



MEETING AGENDA

PLAN COMMISSION
Wednesday, November 8, 2017
7:30 P.M.
MEMORIAL HALL – MEMORIAL BUILDING

1. CALL TO ORDER

2. MINUTES - Minutes of October 11, 2017

3. FINDINGS AND RECOMMENDATIONS

- a) Case A-36-2017 – 52 S. Washington Street – Green Goddess – Exterior Appearance/Site Plan Review for a front façade alteration to existing retail store.
- b) Case A-33-2017 – 21 Salt Creek Ln. (former Robert Crown Center) – Hinsdale Humane Society – Special Use Permit for Animal Humane Society

4. SIGN PERMIT REVIEW

- a) Case A-40-2017 – 4 N. Washington St. – Chase Bank – New Ground Sign and On-Site Informational Wall Sign with Modification Request

5. EXTERIOR APPEARANCE AND SITE PLAN REVIEW

- a) Case A-29-2017 – 336 E. Ogden Ave. – Bill Jacobs Land Rover – Exterior Appearance/Site Plan review for new Land Rover Dealership (replacing Land Rover at 300 E. Ogden) (continuation from September 13, public meeting)

6. ADJOURNMENT

The Village of Hinsdale is subject to the requirements of the Americans with Disabilities Act of 1990. Individuals with disabilities who plan to attend this meeting and who require certain accommodations in order to allow them to observe and/or participate in this meeting, or who have questions regarding the accessibility of the meeting or the facilities, are requested to contact Darrell Langlois, ADA Coordinator at 630.789-7014 or **by TDD at 789-7022** promptly to allow the Village of Hinsdale to make reasonable accommodations for those persons. Web Site: www.villageofhinsdale.org

Approved

**MINUTES
VILLAGE OF HINSDALE
PLAN COMMISSION
October 11, 2017
MEMORIAL HALL
7:30 P.M.**

Chairman Cashman called the meeting to order at 7:30 p.m., Wednesday, October 11, 2017, in Memorial Hall, the Memorial Building, 19 East Chicago Avenue, Hinsdale, Illinois.

PRESENT: Chairman Cashman, Commissioner Krillenberger, Commissioner Jablonski, Commissioner Crnovich, Commissioner Braselton, Commissioner Unell, & Commissioner Fiascone

ABSENT: Commissioners Peterson & Willobee

ALSO PRESENT: Chan Yu-Village Planner, Applicants for cases A-35-2017, A-36-2017, and A-33-2017

Approval of Minutes

With no questions or concerns, the PC **unanimously approved** the minutes from the September 13, 2017, meeting 4-0 (2 absent, 3 abstained).

Findings and Recommendations - Case A-25-2017 – 55th St./County Line Rd. – Hinsdale Meadows Venture, LLC – Detailed Plan and Special Use Permit for a 64-unit residential Planned Development. The PC, with no questions, **unanimously approved** the Findings and Recommendations as submitted, 6-0 (1 abstained, 2 absent).

Findings and Recommendations - Case A-34-2017 – 16 Grant Square – Kramer Foods – Exterior Appearance/Site Plan review for front façade alteration to existing grocery store. The PC, with no questions, **unanimously approved** the Findings and Recommendations as submitted, 6-0 (1 abstained, 2 absent)

Sign Permit Review - Case A-35-2017 – 4 N. Washington St. – Chase Bank – New Wall Sign Replacement

The applicant presented the sign request to the PC. The Chase representative stated that the ground sign application will come to the PC at a future date. The application described tonight only includes a wall sign. The Chase representative described a wall sign to be placed on the front of the building made up of a 12” letter set & internal illumination. The letters will appear black during the day and illuminated white during the evening hours. The Chase representative also described a stainless steel plaque to be placed on the entrance of the building, however it was noted that the application did not include the plaque.

The PC had no major concerns (although a few preferred a slightly smaller wall sign) for the request as submitted. The PC **unanimously approved** the sign application as submitted, 7-0 (2 absent).

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Agenda Item *no discussion, for continuation for Nov. 8 PC meeting* – Case A-29-2017 – 336 E. Ogden Ave. – Bill Jacobs Land Rover – Exterior Appearance/Site Plan review for new Land Rover Dealership (replacing Land Rover at 300 E. Ogden). Per the applicant's request via email on October 9, 2017, the PC **unanimously continued** the item for the November 8, 2017, PC meeting, 7-0 (2 absent).

Agenda Item Case A-36-2017 – 52 S. Washington Street – Green Goddess – Exterior Appearance/Site Plan Review for a front façade alteration to existing retail store. The applicant presented the exterior appearance and site plan request to the PC. Photos of the existing boarded up location and adjacent buildings were shared with the PC. A color rendition of the proposed store front was displayed and described by the applicant representative. The applicant noted the knee wall in the proposed picture would appear more crème color & less bright white in real life and be constructed of brick. The door to the store entrance would be relocated front the center of the building (as it was previous to the accident) to the right side of the building. It was noted that the proposed recessed door on the right side of the building is likely the original location of the store entry door when the building was constructed and would be a better match with the other buildings on the block. The proposed door would look like a house door and be recessed so that it does not open on to the sidewalk. The applicant also stated the sign above the store would remain the same but be re-located to the center of the building. The sign is currently set off-center.

The PC expressed that the request will be an improvement over the original entrance. The PC **unanimously recommended approval** for the exterior appearance/site plan application as submitted, 7-0 (2 absent).

Agenda Item–Public Hearing - Case A-33-2017 – 21 Salt Creek Ln. (former Robert Crown Center) – Hinsdale Humane Society – Special Use Permit for Animal Humane Society and concurrent Exterior Appearance/Site Plan Review. The applicant reviewed the request for a special use permit and concurrent exterior appearance/site plan application for the Hinsdale Humane Society at the former Robert Crown Center. The applicant described the current location, operation, services offered & staff of the Humane Society. Current neighbors (both residential & hospital) were visited by the Humane Society Director and they reported no problems or concerns with the Humane Society as a neighbor. The applicant also reviewed the neighborhood outreach to neighbors of the proposed location (Salt Creek). The owner of the 21 Spinning Wheel apartment building and Graue Mill condo manager reported support and no concerns with the proposed relocation of the Humane Society. A visit to the residential neighbors in the R5 & R6 homes was attempted by the Humane Society director, however, no homeowners were available at the time of contact.

Noise concerns from the animals were addressed by describing physical building structures and practices of the proposed location. Sound baffles will be part of the building plan, the practice of never leaving dogs outside unattended, the practice of walking dogs one at a time (never together) and obedience training of animals will reduce the noise.

The presentation continued with the applicant describing the physical features of the proposed lot and building. The current size of the parking lot will be reduced increasing green space and landscaping around the building. The front of the building will also include a walkway with donor benches, donor paver plaza, and re-location of the current trash area with a new fence enclosure. The outdoor fenced dog area will be open (no dog “runs”) and will be located at the back corner of the lot.

The floor plan of the new facility was shared with the PC. The building entrance will be an open lobby to showcase the offerings of the Humane Society. Administration offices (currently located in a different facility from the current animal shelter) will be included in the proposed location. The proposed facility will

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also include a multi-purpose classroom, dog and cat adoption area, an animal play room for group play of dogs/cats, and an animal intake area in the rear of the building.

The applicant showed pictures of proposed changes to the outside of the building. The concrete walls and columns will be wrapped in brick and stone veneer, many new windows will replace those existing in poor condition, a wood ceiling will be installed at the outdoor covered entrance along with a wall sign and a “cat display” window from the outside entrance. Fencing included in this project will be vinyl and 8ft in some locations, 10ft to screen the existing mechanical equipment. It was proposed to add 2 additional light poles to the 2 existing lights in the parking lot. A concern of the PC was the odor of the animal waste, the applicant stated that the fecal waste would be bagged, tied and disposed of in the dumpster that would be emptied frequently. This is the same practice used by the Human Society currently and has not resulted in unpleasant odors by visitors or neighbors. The PC noted a concern that the proposed location should include ample parking for visitors. It was noted by the applicant that the 4 parking spaces would be increased to over 40 in the proposed location.

The PC unanimously supported the use, and planned improvements to the building and site. The PC also complimented the applicant for a great application packet and neighborhood outreach efforts. The PC **unanimously recommended approval** for the special use permit and exterior appearance/site plan as submitted, 7-0 (2 absent).

(Please see the attached transcript for Case A-33-2017 included as part of this record)

Adjournment

The meeting was adjourned at 8:12 p.m. after a unanimous vote.

Respectfully Submitted,
Jennifer Spires, Community Development Secretary

STATE OF ILLINOIS)
) ss:
 COUNTY OF DU PAGE)

BEFORE THE HINSDALE PLAN COMMISSION

In the Matter of:)
)
)
 HINSDALE HUMANE SOCIETY,)
 21 Salt Creek Lane)
 Special Use Permit)
 Case No. A-33-2017.)

REPORT OF PROCEEDINGS had and testimony
 taken at the hearing of the above-entitled
 matter before the Hinsdale Plan Commission, at
 19 East Chicago Avenue, Hinsdale, Illinois, on
 October 11, 2017, at the hour of 7:30 p.m.

BOARD MEMBERS PRESENT:

MR. STEPHEN CASHMAN, Chairman;
 MR. GERALD JABLONSKI, Member;
 MS. JULIE CRNOVICH, Member;
 MS. DEBRA BRASELTON, Member;
 MS. ANNA FIASCONE, Member;
 MR. TROY UNELL, Member; and
 MR. JIM KRILLENBERGER, Member.

<div>2</div> <div>1 ALSO PRESENT:</div> <div>2 MR. CHAN YU, Village Planner;</div> <div>3 MR. MIKE MATTHYS, Architect for</div> <div>4 Applicant;</div> <div>5 MR. JASON SANDERSON, Builder for</div> <div>6 Applicant;</div> <div>7 MR. TOM VAN WINKLE, Director of Humane</div> <div>8 Society;</div> <div>9 MR. BRAD HOEPFNER, Project Team Member</div> <div>10 for Applicant.</div> <div>11</div> <div>12 CHAIRMAN CASHMAN: Our next order of</div> <div>13 business is Public Hearing on Case A-33-2017, 21</div> <div>14 South Salt Creek, formerly the Robert Crown</div> <div>15 Center, for the Hinsdale Humane Society for a</div> <div>16 special use permit for animal humane society.</div> <div>17 Now, we need to swear in anyone who is going to</div> <div>18 testify.</div> <div>19 (WHEREUPON, the oath was</div> <div>20 administered to Mr. Matthys,</div> <div>21 Mr. Sanderson, Mr. VanWinkle</div> <div>22 and Mr. Hoepfner.)</div> <div>07:46:52PM</div> <div>CHAIRMAN CASHMAN: You can give us an</div> <div>overview of the project. Let us know who you</div>	<div>4</div> <div>1 feet from residential to the north through that</div> <div>2 little woodland area you can see in the aerial.</div> <div>3 As part of our due diligence and as</div> <div>4 requested by the board in our introduction to</div> <div>5 them with this project, they asked that we get</div> <div>6 the testimony from the neighbors, our current</div> <div>7 neighbors, as to how we participated as</div> <div>8 neighbors for them, so Tom went around through</div> <div>9 the neighbors to the north. We got four</div> <div>10 signatures that just sort of suggests or talks</div> <div>11 about us being good neighbors and not having any</div> <div>12 problems with our operational practices.</div> <div>13 We also went to Amita and to</div> <div>14 highlight a few things they pointed out.</div> <div>15 Property grounds were always well-maintained.</div> <div>16 We had no complaints regarding Hinsdale Humane</div> <div>17 Society as a neighbor and they have also</div> <div>18 partnership with the hospital with patient pet</div> <div>19 therapy program, an initiative that's been a</div> <div>20 huge success. It's not only are we good</div> <div>21 neighbors but we engage our neighbors in</div> <div>22 cooperative business enterprises.</div> <div>07:49:00PM</div> <div>07:49:28PM</div>
<div>3</div> <div>1 are and we look forward to seeing your</div> <div>2 presentation.</div> <div>3 MR. MATTHYS: Thank you. Mike Matthys,</div> <div>4 with Linden Group architects representing</div> <div>5 Hinsdale Humane Society. I have with me Tom</div> <div>6 VanWinkle, the director, Jason Sanderson,</div> <div>7 builder, and project team Brad.</div> <div>8 Tonight we are here requesting a</div> <div>9 special use for an animal shelter/humane society</div> <div>10 and exterior and site plan review.</div> <div>11 The existing Hinsdale Humane</div> <div>12 Society is located at 22 North Elm Street. It's</div> <div>13 operated since 1953 in Hinsdale for 64 years.</div> <div>14 Currently they operate 16 dog kennels and 16 cat</div> <div>15 kennels in the animal shelter. Humane society</div> <div>16 facilitates adoptions for approximately 900</div> <div>17 animals serving the community with outreach</div> <div>18 education, obedience and classes. They have</div> <div>19 over 50 volunteers that serve the facility.</div> <div>20 Here is a picture of the existing</div> <div>21 facility on Elm Street. It's located just next</div> <div>22 to the hospital off the corner approximately 500</div> <div>07:47:30PM</div> <div>07:48:24PM</div>	<div>5</div> <div>1 We are relocating the facility to</div> <div>2 21 Salt Creek Lane in the Robert Crown Center.</div> <div>3 Just a map coming from 22 North Elm Street up to</div> <div>4 the Crown center. We are surrounded by zoning</div> <div>5 districts R-5, R-6 and O-3.</div> <div>6 Another thing the board asked us to</div> <div>7 do is to create some information gathering out</div> <div>8 to what will be our new neighbors and I'll have</div> <div>9 Tom VanWinkle step up just to talk a little bit</div> <div>10 about his neighborhood outreach to the</div> <div>11 neighbors.</div> <div>12 MR. VAN WINKLE: Thank you. Hello.</div> <div>13 Tom VanWinkle. I'm the executive director of</div> <div>14 the Hinsdale Humane Society. I went around and</div> <div>15 visited, or tried to visit, all of our new</div> <div>16 neighbors to let them know what our hopes and</div> <div>17 plans are and to let them know that we are here</div> <div>18 to answer any questions or concerns they have.</div> <div>19 The closest neighbor to us, which</div> <div>20 has the R-6 zoning, which is the Spinning Wheel</div> <div>21 apartments, I was able to speak to the owner's</div> <div>22 family of that building and Rich was with me who</div> <div>07:50:12PM</div> <div>07:50:42PM</div>

<p style="text-align: center;">6</p> <p>1 is with Robert Crown Center. We had a great 2 conversation. 3 She told us that we could tell you 4 tonight that she has no problems with us moving 5 in. She wants to be a good neighbor also. We 6 discussed any of the concerns she had, which 7 would be noise was her biggest question, and we 8 told her how we are going to keep that under 9 wraps as we do in our current location, and then 10 we asked her permission to tell you tonight that 11 she is happy with us moving in there and has no 12 concerns. 13 I also went to the Graue Mill, 14 spoke to -- I'm not sure of her title, to the 15 manager, the grounds manager, introduced myself 16 and told her -- asked her if she could spread 17 the word amongst her residents that, again, if 18 they would like to have a meeting or any 19 questions or concerns, I'd be happy to answer 20 them. She, herself, again, said she, herself, 21 did not see a problem with it. There are many 22 dog owners and pet owners in that area but she</p>	<p style="text-align: center;">8</p> <p>1 a volunteer or staff member with them so -- can 2 I say a dog never barks? That would be pretty 3 silly for me to say that, but there's a person 4 right there to keep them under control. 5 On the inside we do have -- we will 6 be having sound baffles in order to control the 7 noise inside. And as I explained to the owner, 8 if you can hear a dog barking from inside the 9 facility at 250 or 300 feet away, you can 10 imagine how loud it is inside the shelter and 11 that's not something that we or our guests want 12 so it really -- it behooves us from a business 13 standpoint to keep the noise as minimal as 14 possible because doctors don't want to stay in a 15 building that is overrun with noise. So we do 16 that through enrichment practices, obedience 17 training and as I said, dogs are never walked 18 together so there's no two dogs walking side-by- 19 side yapping at each other out on a walk, they 20 are all done individually. 21 MR. MATTHYS: A few highlights on the 22 site. Lot size is about 101,000 square feet,</p>
<p style="text-align: center;">7</p> <p>1 did say that if any concerns came up, she would 2 pass my name along and I have heard nothing from 3 them. 4 I then did go around to the other 5 neighbors up there in the R-5, R-6 up at the top 6 of the page there. I was not able to -- I 7 knocked on doors but no one was home when I did 8 visit them but I did make an attempt to speak to 9 those homeowners as well. That is what I have 10 been able to do in the new location. 11 CHAIRMAN CASHMAN: Do you know are pets 12 allowed in the Spinning Wheel apartments? 13 MR. VAN WINKLE: They are. It's pet 14 friendly, yes. 15 CHAIRMAN CASHMAN: Quite a convenience. 16 MR. UNELL: How do you currently 17 control the noise and how do you expect to 18 control the noise at the new location? 19 MR. VAN WINKLE: Our animals are never 20 left outside unattended. That's number one 21 thing. We have outdoor play areas but they are 22 never left in there unattended so we always have</p>	<p style="text-align: center;">9</p> <p>1 approximately 2.3 acres, bordered by Salt Creek 2 on two sides and located within a flood plain. 3 Built in the mid 1970s, poured concrete 4 construction, approximately 15,000 square foot 5 on the first floor. There is a small mezzanine 6 floor as well. 7 Proposed site plan. Just to 8 highlight a few of our development changes. 9 It's in zoning district IB. Our building size I 10 mentioned was approximately 15,000. We have an 11 FAR of .17 which is well under the maximum .5. 12 Our building height is 22 feet existing, which 13 we will not change, well under the 44-foot 14 maximum current height in the zoning code 15 permitted. 16 Our green area, we are reducing the 17 impervious area by reducing some parking area, 18 which I'll highlight later, but we are taking 19 our green area that's currently at 48,000 square 20 feet existing to 56,000 square feet, so roughly 21 a 17 percent reduction of impervious area, 22 17 percent increase in green space.</p>

<div>10</div> <div> <p>1 Parking wise, based on our use we</p> <p>2 are required to have 40 spaces based on the</p> <p>3 zoning code, we are proposing 43.</p> <p>4 So back up one page just to sort of</p> <p>5 summarize the site improvements that we are</p> <p>6 proposing. Throughout the site we are looking</p> <p>7 at advanced landscaping that you will see</p> <p>8 detailed out on our submitted landscape plan.</p> <p>9 The removal of bus parking area</p> <p>10 which is to the northeast portion of the site,</p> <p>11 so we are reducing the back parking lot. Along</p> <p>12 with that, we are adding additional parking to</p> <p>13 the front of the building towards the turnaround</p> <p>14 cul-de-sac so we are looking at trying to create</p> <p>15 more parking. What we are going to highlight is</p> <p>16 our front entrance for our customers.</p> <p>17 Another small thing additional</p> <p>18 green space. The current drive that goes</p> <p>19 alongside of the building the asphalt abuts</p> <p>20 right into the structure. It's a wide drive</p> <p>21 because of the bus traffic that went through</p> <p>22 there previously so I think it's probably</p> </div> <div>07:55:28PM</div> <div>07:55:58PM</div>	<div>12</div> <div> <p>1 is our fenced in area. (Indicating.)</p> <p>2 We will have a relocated trash</p> <p>3 area. So if you have driven behind the</p> <p>4 building, as you come around the building</p> <p>5 currently, the trash dumpster is here and it's</p> <p>6 not covered, not enclosed in any way. So we are</p> <p>7 relocating the trash area over to this side with</p> <p>8 a fence enclosure. Details of that enclosure</p> <p>9 are provided with the site plan submittal.</p> <p>10 MR. YU: Sheet A-1, lower left.</p> <p>11 MR. MATTHYS: Just to highlight our</p> <p>12 floor plan and our plans how we look to renovate</p> <p>13 the current Robert Crown Center. Actually, it</p> <p>14 really worked as a nice fit for the program that</p> <p>15 was put together with a lot of conversations</p> <p>16 with the humane society as they planned even</p> <p>17 before Linden Group architects was even on</p> <p>18 board.</p> <p>19 We are looking at the entrance that</p> <p>20 faces the drive right here being the main public</p> <p>21 entrance where I mentioned we are adding</p> <p>22 parking. Comes into a nice lobby. If you have</p> </div> <div>07:57:42PM</div> <div>07:58:12PM</div>
<div>11</div> <div> <p>1 34 feet now. We are taking that and reducing it</p> <p>2 down to a standard two-way lane, which is 24</p> <p>3 feet, so we are taking that 10 feet, we are</p> <p>4 putting it along the building and doing</p> <p>5 foundation plantings which will make the building</p> <p>6 look much nicer along the access drive there.</p> <p>7 A couple of nice features out</p> <p>8 front. We are looking at doing a walking path</p> <p>9 and a donor paver plaza. You will see it</p> <p>10 highlighted in some of the views that we will</p> <p>11 show you of the exterior. Looking at providing</p> <p>12 kind of pedestrian benches in those areas with</p> <p>13 possible donor opportunities and also that paver</p> <p>14 area is a nice opportunity for the humane</p> <p>15 society to offer donor bricks, engraved bricks</p> <p>16 for donations.</p> <p>17 We will have a fenced in outdoor</p> <p>18 yard. Tom mentioned that. The fenced in area</p> <p>19 will not have what we call individual runs in</p> <p>20 it, it's just an open area. It's located off</p> <p>21 the back corner of the building. I'll point it</p> <p>22 out here on the screen. That little area there</p> </div> <div>07:56:28PM</div> <div>07:56:58PM</div>	<div>13</div> <div> <p>1 been in the building, it's kind of a nice</p> <p>2 two-story lobby open structure. It's going to</p> <p>3 be a great kind of common space for the facility</p> <p>4 where they can sort of show off the current</p> <p>5 offerings of adoptions and education about</p> <p>6 animals.</p> <p>7 Administrative offices. Currently</p> <p>8 humane society has their offices and their</p> <p>9 animal facilities in two different locations.</p> <p>10 This building allows us to bring everything</p> <p>11 together. So the administrative offices are in</p> <p>12 the right corner.</p> <p>13 We will have a nice multipurpose</p> <p>14 classroom where we are going to do obedience</p> <p>15 training. That's item No. 3 there. And we will</p> <p>16 also do various community instructional</p> <p>17 activities as well as additional playroom and</p> <p>18 bonding room for people looking at adoptions.</p> <p>19 We will have a dog adoption area</p> <p>20 and a cat adoption area and then our intake is</p> <p>21 off the back corner of the building. So the</p> <p>22 traffic of animals coming into the humane</p> </div> <div>07:58:42PM</div> <div>07:59:08PM</div>

<p style="text-align: right;">14</p> <p>1 society goes to the rear parking lot and through</p> <p>2 this entrance where they get taken in, taken</p> <p>3 care of, and hopefully moved forward into</p> <p>4 adoption.</p> <p>5 We also have various isolation</p> <p>6 wards and things to deal with animals who have</p> <p>7 problems.</p> <p>8 The last sort of exciting thing</p> <p>9 that we have been talking about is the idea of a</p> <p>10 puppy bowl bonding playroom. So kind of central</p> <p>11 to the whole facility is going to be a big nice</p> <p>12 size playroom where people can get in there and</p> <p>13 play with an animal they are looking at</p> <p>14 adopting. We are kind of modeling it after a</p> <p>15 Super Bowl commercial, puppy bowl with the idea</p> <p>16 of having a bunch of puppies in there playing</p> <p>17 around and having some windows looking out over</p> <p>18 it. When they get puppies in, it's a great way</p> <p>19 to promote those adoptions.</p> <p>20 CHAIRMAN CASHMAN: It's like cats and</p> <p>21 dogs battle in there.</p> <p>22 MR. MATTHYS: So a few pictures for</p>	<p style="text-align: right;">16</p> <p>1 structure. You see the concrete columns. They</p> <p>2 have in-fill of built walls that have wood</p> <p>3 paneling on them that have seen better days.</p> <p>4 It's painted blue now.</p> <p>5 What we are looking at doing to the</p> <p>6 exterior is keeping the concrete structures.</p> <p>7 Along the posts areas we are looking at wrapping</p> <p>8 those columns in stone. Brad, I think we have a</p> <p>9 sample over there on the far right of the stone</p> <p>10 we are looking at, kind of a natural pattern</p> <p>11 stone and combining that with brick on the wall.</p> <p>12 So on the existing walls we will be</p> <p>13 applying a thin veneer stone and brick to give</p> <p>14 the building a nicer look of quality and I think</p> <p>15 it's going to do a big improvement from the blue</p> <p>16 painted falling apart wood paneling. Some of</p> <p>17 those walls will be rebuilt. Where we can keep</p> <p>18 them we will and we will just apply the new</p> <p>19 facade materials to them.</p> <p>20 We will also be adding new windows.</p> <p>21 Not in the clear story but everywhere else</p> <p>22 pretty much gets new windows. The windows are</p>
<p style="text-align: right;">15</p> <p>1 you.</p> <p>2 CHAIRMAN CASHMAN: Going back to the</p> <p>3 previous page. Near the intake door, there's an</p> <p>4 area that's called police drop box. Is that for</p> <p>5 like after hours or how does that function?</p> <p>6 MR. MATTHYS: Yes. So currently they</p> <p>7 have off the back of their facility is for</p> <p>8 police drop-off. It's a room that's locked down</p> <p>9 and the police have a key to the outside door,</p> <p>10 they can come in and leave an animal there. So</p> <p>11 we have a few runs. I think we have a sink and</p> <p>12 a counter and some cages.</p> <p>13 MR. VAN WINKLE: We have contracts with</p> <p>14 nine different communities including Hinsdale.</p> <p>15 So they bring animals in to us in that area. It</p> <p>16 keeps them from having to go out to the rest of</p> <p>17 the shelter, they will stay contained in that</p> <p>18 little area until we come in in the morning and</p> <p>19 take care of them.</p> <p>20 MR. MATTHYS: Just some pictures of how</p> <p>21 the exterior of the building looks today. It's</p> <p>22 -- simple stated, it's a cast concrete</p>	<p style="text-align: right;">17</p> <p>1 all old, kind of leaky and need replacement.</p> <p>2 You can see on that bottom picture</p> <p>3 I highlighted that paver area with the outdoor</p> <p>4 seating.</p> <p>5 The entranceway. Currently that</p> <p>6 has just like acoustical tile ceiling like an</p> <p>7 outdoor 2-by-2 ceiling grid in it. We are</p> <p>8 looking at highlighting that ceiling with some</p> <p>9 tongue-and-groove wood.</p> <p>10 Some nice signage element that</p> <p>11 identifies the facility. The window you see in</p> <p>12 the middle there is actually our cat adoption</p> <p>13 area. We are looking at getting sight lines</p> <p>14 into the colony areas where cats will be hanging</p> <p>15 out. It will be kind of a cool thing as you</p> <p>16 enter the building.</p> <p>17 So lastly, this is sort of the</p> <p>18 formal presentation of elevation of materials of</p> <p>19 all sides, the architectural elevation and with</p> <p>20 that, I'd like to thank you and open up to</p> <p>21 questions.</p> <p>22 CHAIRMAN CASHMAN: Thank you very much.</p>

<p style="text-align: right;">18</p> <p>1 Jim, questions for the applicant?</p> <p>2 MR. KRILLENBERGER: I think this is</p> <p>3 spectacular. Help me understand the fencing.</p> <p>4 It looks from the elevations that it's very</p> <p>5 close to the building. Is that where the dog</p> <p>6 runs are going to be?</p> <p>7 MR. MATTHYS: Yes. So I'll go back up.</p> <p>8 There are no exterior dog runs.</p> <p>9 So on the floor plan there's a</p> <p>08:03:36PM 10 fence that rides along this long, narrow area</p> <p>11 that connects that outdoor exercise area to</p> <p>12 these dog adoption areas. So you are basically</p> <p>13 not connected. Does that answer your question?</p> <p>14 You are seeing that on the northwest elevation</p> <p>15 that faces the creek.</p> <p>16 MR. KRILLENBERGER: Eight-foot tall?</p> <p>17 MR. MATTHYS: Yes.</p> <p>18 MR. KRILLENBERGER: What will the</p> <p>19 material be?</p> <p>08:04:04PM 20 MR. MATTHYS: It will be a vinyl, solid</p> <p>21 vinyl PVC fence. There's also an additional</p> <p>22 fence screening that's currently there that's</p>	<p style="text-align: right;">20</p> <p>1 reuse of this. There couldn't be a better, more</p> <p>2 perfect spot for the humane society. As long as</p> <p>3 there hasn't been any neighbors, would be my</p> <p>4 only concern, but I applaud your efforts. It</p> <p>5 looks fabulous.</p> <p>6 CHAIRMAN CASHMAN: Jerry?</p> <p>7 MR. JABLONSKI: I think the beauty of</p> <p>8 the project it's really spectacular. One of my</p> <p>9 few concerns is it's so spectacular. Have you</p> <p>08:05:58PM 10 raised all the funds to complete the project?</p> <p>11 MR. VAN WINKLE: Yes.</p> <p>12 MR. JABLONSKI: Is it going to incur a</p> <p>13 higher operating cost?</p> <p>14 MR. VAN WINKLE: We are going to</p> <p>15 undergo a fundraising campaign now to make sure</p> <p>16 we can meet our operating needs and my</p> <p>17 architects and my contractor have promised me</p> <p>18 that what I have set for the budget they are</p> <p>19 going to come in underneath that.</p> <p>08:06:26PM 20 We actually are beginning the</p> <p>21 campaign and fundraising efforts now to be</p> <p>22 prepared a year from now to meet the increased</p>
<p style="text-align: right;">19</p> <p>1 screened. It's a ten-foot fence that screens a</p> <p>2 mechanical unit off the back that will be</p> <p>3 replaced. You will see that also represented on</p> <p>4 the northeast elevation. There's a chance that</p> <p>5 that piece of equipment will go away but more</p> <p>6 than likely we will maintain HVAC equipment in</p> <p>7 that existing enclosure.</p> <p>8 MR. KRILLENBERGER: I'm tremendously</p> <p>9 encouraged that with outreach to the neighbors</p> <p>08:04:36PM 10 that's very appreciated and addresses some of my</p> <p>11 concerns. And the additional green space seems</p> <p>12 like this facility will be a good answer.</p> <p>13 MS. BRASELTON: Any lighting change in</p> <p>14 the parking areas?</p> <p>15 MR. HOEPFNER: So currently we did not</p> <p>16 do a photometric of the existing parking lot.</p> <p>17 MR. MATTHYS: There's two existing</p> <p>18 poles. More than likely we will probably add a</p> <p>19 couple to illuminate it, but we will meet code,</p> <p>08:05:22PM 20 and we can have that submitted to you before the</p> <p>21 next meeting.</p> <p>22 MS. BRASELTON: I think it's an amazing</p>	<p style="text-align: right;">21</p> <p>1 operating costs.</p> <p>2 MR. JABLONSKI: I wish you well.</p> <p>3 MR. VAN WINKLE: Thank you.</p> <p>4 CHAIRMAN CASHMAN: Julie?</p> <p>5 MS. CRNOVICH: It's a wonderful reuse</p> <p>6 of the building and I love how the design of the</p> <p>7 new building fits in with the woods and the</p> <p>8 creek. It just looks like it belongs.</p> <p>9 I'd like to commend you for putting</p> <p>08:06:52PM 10 together a wonderful packet for us and bringing</p> <p>11 in all the information. I think this is a win</p> <p>12 win for everybody, and I just wish all</p> <p>13 applications that came in front of us were like</p> <p>14 this. Thank you.</p> <p>15 CHAIRMAN CASHMAN: This is the same</p> <p>16 team from the Hinsdale Animal Hospital, isn't</p> <p>17 it?</p> <p>18 MR. VAN WINKLE: Yes, it is.</p> <p>19 CHAIRMAN CASHMAN: Which was just as</p> <p>08:07:14PM 20 well.</p> <p>21 MR. UNELL: I agree it looks very nice,</p> <p>22 good use of the property and as long as there's</p>

<div>22</div> <div>1 no concerns of the neighbors, I'm in support of</div> <div>2 it.</div> <div>3 CHAIRMAN CASHMAN: Anna?</div> <div>4 MS. FIASCONE: I echo you all. I have</div> <div>5 a few random questions.</div> <div>6 What's the material going to be for</div> <div>7 the trash enclosure and how do you handle the</div> <div>8 dog waste? Is that dumpster going to be tightly</div> <div>9 closed? I'm just worried about other people</div> <div>08:07:44PM 10 walking around and the smell from the dogs and</div> <div>11 the cats.</div> <div>12 MR. MATTHYS: Currently the plan is for</div> <div>13 the fecal waste to be bagged and tied and put in</div> <div>14 the dumpster. It's managed with pickups. In</div> <div>15 hotter months the pickups are more frequent when</div> <div>16 odor becomes an issue. There's other ways to</div> <div>17 manage it but that's the more typical way.</div> <div>18 Jason, if you want to add something</div> <div>19 to that?</div> <div>08:08:12PM 20 MR. SANDERSON: Yes. Tom kind of said</div> <div>21 this before. We don't want the people that come</div> <div>22 in for adoptions to smell that no more than</div>	<div>24</div> <div>1 have now at your current location?</div> <div>2 MR. VAN WINKLE: Well, I'll say it</div> <div>3 depends on the day. So weekends Saturdays and</div> <div>4 Sundays are our two busiest days. We could have</div> <div>5 anywhere right now from 50 to 100 on a weekend</div> <div>6 day. Today we may have had three on a crummy</div> <div>7 day like today.</div> <div>8 We do hope to vastly increase the</div> <div>9 number of visitors that come through with the</div> <div>08:09:52PM 10 bigger facility and with the services we offer.</div> <div>11 So I would say on the weekends I would be hoping</div> <div>12 for 200 to 250 coming through for various</div> <div>13 reasons, whether it be adoption or one of our</div> <div>14 education programs or maybe it's obedience</div> <div>15 training, or whatever we are having to offer.</div> <div>16 MS. FIASCONE: So you think your</div> <div>17 parking lot is sufficient?</div> <div>18 MR. SANDERSON: How many spots do you</div> <div>19 have today?</div> <div>08:10:16PM 20 MR. VAN WINKLE: Four.</div> <div>21 MR. SANDERSON: I had a feeling where</div> <div>22 you were going. I knew where you were asking</div>
<div>23</div> <div>1 anybody else does. So they are going to be on</div> <div>2 top of managing that more than you guys can</div> <div>3 imagine.</div> <div>4 So we have built 150 animal</div> <div>5 hospitals, this is how we manage it. It's never</div> <div>6 been an issue. Because for this reason they are</div> <div>7 investing 2 to 3 million in the project, they</div> <div>8 don't want a facility that smells. So that when</div> <div>9 they bag it and tie it and then there's a lid on</div> <div>08:08:42PM 10 top of the dumpster, it has not been an issue.</div> <div>11 MR. MATTHYS: One of the things to note</div> <div>12 is this came up with Hinsdale Animal Hospital as</div> <div>13 well as and we presented two options of removing</div> <div>14 the waste and what was kind of I think came to</div> <div>15 the conclusion, they would rather have it in the</div> <div>16 dumpster than go into the water treatment plant.</div> <div>17 That was versus a flush method of removing the</div> <div>18 waste. So that's why we are going to the bag</div> <div>19 and tie and I think currently --</div> <div>08:09:14PM 20 MR. VAN WINKLE: Bag and tie.</div> <div>21 MS. FIASCONE: How many visitors do you</div> <div>22 plan to have in a day? I mean, how many do you</div>	<div>25</div> <div>1 the question. Pardon to interrupt you, but I</div> <div>2 know where you were going. We are going to go</div> <div>3 up to 44 so we are going to exponentially</div> <div>4 increasing the parking which should help out.</div> <div>5 CHAIRMAN CASHMAN: The weekends are</div> <div>6 your busiest time?</div> <div>7 MR. VAN WINKLE: It would be our</div> <div>8 busiest time, yes.</div> <div>9 CHAIRMAN CASHMAN: And it's when it's</div> <div>08:10:38PM 10 the most quiet there.</div> <div>11 MS. FIASCONE: And then I notice the</div> <div>12 signage on the site plan, that comes later;</div> <div>13 correct?</div> <div>14 CHAIRMAN CASHMAN: Correct.</div> <div>15 MS. FIASCONE: Thank you.</div> <div>16 MR. SANDERSON: Just for the record, we</div> <div>17 are really excited about the signage on the</div> <div>18 building. Really excited.</div> <div>19 CHAIRMAN CASHMAN: This is a really</div> <div>08:10:56PM 20 well-done presentation. I think it's a great</div> <div>21 reuse. I was probably there a few months ago, I</div> <div>22 was talking to a board member of Robert Crown</div>

<div>26</div> <div>1 and they were wondering what to do with this</div> <div>2 building and what the future is going to hold</div> <div>3 for them and when I first heard about this, I</div> <div>4 thought it was a great reuse and fantastic.</div> <div>5 When is the lease up in the office</div> <div>6 space you are using at Katherine Legge?</div> <div>7 MR. VAN WINKLE: I think we are month</div> <div>8 to month with the village at Katherine Legge.</div> <div>9 CHAIRMAN CASHMAN: I just think it's a</div> <div>08:11:28PM 10 fantastic reuse of this facility. Robert Crown</div> <div>11 has been a great asset and so has Hinsdale</div> <div>12 Humane Society, so this is a continuing great</div> <div>13 legacy on this site so I'm very excited about</div> <div>14 it. A very well-done presentation. Very</div> <div>15 thorough.</div> <div>16 Any more questions?</div> <div>17 (No response.)</div> <div>18 Hearing none, do I have a motion to</div> <div>19 approve the special use permit application for</div> <div>08:11:48PM 20 animal hospital, Hinsdale Humane Society, Case</div> <div>21 A-33-2017 as submitted?</div> <div>22 MR. YU: Chairman, with the exterior</div>	<div>28</div> <div>1 STATE OF ILLINOIS)</div> <div>) ss:</div> <div>2 COUNTY OF DU PAGE)</div> <div>3 I, KATHLEEN W. BONO, Certified</div> <div>4 Shorthand Reporter, Notary Public in and for the</div> <div>5 County DuPage, State of Illinois, do hereby</div> <div>6 certify that previous to the commencement of the</div> <div>7 examination and testimony of the various</div> <div>8 witnesses herein, they were duly sworn by me to</div> <div>9 testify the truth in relation to the matters</div> <div>10 pertaining hereto; that the testimony given by</div> <div>11 said witnesses was reduced to writing by means</div> <div>12 of shorthand and thereafter transcribed into</div> <div>13 typewritten form; and that the foregoing is a</div> <div>14 true, correct and complete transcript of my</div> <div>15 shorthand notes so taken aforesaid.</div> <div>16 IN TESTIMONY WHEREOF I have</div> <div>17 hereunto set my hand and affixed my notarial</div> <div>18 seal this 30th day of October, A.D. 2017.</div> <div>19</div> <div>20</div> <div>21 KATHLEEN W. BONO,</div> <div>C.S.R. No. 84-1423,</div> <div>22</div>
<div>27</div> <div>1 appearance and site plan as well.</div> <div>2 CHAIRMAN CASHMAN: So noted.</div> <div>3 MR. KRILLENBERGER: I so motion.</div> <div>4 MR. UNELL: Second.</div> <div>5 CHAIRMAN CASHMAN: Anna?</div> <div>6 MS. FIASCONE: Aye.</div> <div>7 MR. UNELL: Aye.</div> <div>8 MS. CRNOVICH: Aye.</div> <div>9 CHAIRMAN CASHMAN: Aye.</div> <div>10 MR. JABLONSKI: Aye.</div> <div>11 MS. BRASELTON: Aye.</div> <div>12 MR. KRILLENBERGER: Aye.</div> <div>13 CHAIRMAN CASHMAN: Great job. Thank</div> <div>14 you.</div> <div>15 (WHICH, were all of the</div> <div>16 proceedings had, evidence</div> <div>17 offered or received in the</div> <div>18 above entitled cause.)</div> <div>19</div> <div>20</div> <div>21</div> <div>22</div>	

HINSDALE PLAN COMMISSION

RE: Case A-36-2017 – Applicant: Green Goddess Boutique – 52 S. Washington Street

Request: Exterior Appearance and Site Plan Review in the B-2 Central Business District

DATE OF PLAN COMMISSION (PC) REVIEW: October 11, 2017

DATE OF BOARD OF TRUSTEES 1ST READING: November 7, 2017

FINDINGS AND RECOMMENDATION

I. FINDINGS

1. The PC heard testimony from the applicant's attorney, Mr. Peter Coules, on behalf of Green Goddess Boutique at 52 S. Washington Street. He reviewed the current damaged front entrance (boarded up) was due to an auto incident. Via PowerPoint, he reviewed examples of nearby building facades with similar designs for the proposed plan. The proposed new façade will use brick to match the existing brick, and clarified the knee wall will be brick to match the exact color of the existing building brick. The new side entrance/exit door will be relocated to the right of the storefront, and will also be a "cream color" to match the brick color. It is recessed for Code compliance (door cannot swing outward into sidewalk).
2. Mr. Coule's clarified the existing wall sign will not change and only be moved to the left to be centered with the building.
3. The PC in general, expressed that the request looks nice, and is an improvement over the previous front entrance.
4. Green Goddess Boutique is located in the B-2 Central Business District at 52 S. Washington Street. There were no comments from the audience during the PC public meeting on October 11, 2017.
5. A Commissioner asked about the existing door and proposed door. The applicant clarified that the left (south) door is existing and is the entrance to the second floor of the building. The new door on the right side of the building (north) will lead into the first floor retail space Green Goddess Boutique.
6. Mr. Coule's reviewed that the HPC unanimously approved the Certificate of Appropriateness for the request in the Historic Downtown District on October 11, 2017. (HPC meeting, same day preceding PC meeting)

II. RECOMMENDATIONS

Following a motion to recommend approval of the proposed exterior appearance and site plan as submitted, the Village of Hinsdale Plan Commission, on a vote of seven (7) "Ayes," and two (2) "Absent," recommends that the President and Board of Trustees approve the application as submitted.

THE HINSDALE PLAN COMMISSION By: _____, Chairman

Dated this _____ day of _____, 2017.

HINSDALE PLAN COMMISSION

RE: Case A-33-2017 – Applicant: Hinsdale Humane Society – 21 Salt Creek Lane

Request: Special Use Permit to allow Animal Humane Society in the IB District and concurrent Exterior Appearance and Site Plan Review

DATE OF PLAN COMMISSION (PC) SCHEDULING OF HEARING: September 13, 2017

DATE OF PC REVIEW (Public Hearing): October 11, 2017

DATE OF BOARD OF TRUSTEES 1ST READING: November 7, 2017

FINDINGS AND RECOMMENDATION

I. FINDINGS

1. The PC heard testimony from the applicant's architect, Mr. Michael Matthys, Linden Group Architects, on behalf of Hinsdale Humane Society (HHS) currently at 22 N. Elm Street. He reviewed the 64-year history in Hinsdale of the non-for-profit animal humane society, and its current aforementioned location and surrounding uses. He reviewed that Tom Van Winkle, the Executive Director of the HHS (and also present at the meeting) sought comments from the subject property neighbors for the request, and reported positive feedback from the area at 22 N. Elm Street.
2. Tom Van Winkle, the Executive Director of the HHS, reviewed the family member of the owner of the closest neighbor, the Spinning Wheel Apartments, Ms. Caroline Koplin gave him permission to tell the PC that she has no issues with HHS moving next door. Mr. Winkle also reviewed the application with the property manager at Grau Mill, and they too, do not have any issues with the request.
3. Mr. Matthys reviewed the building height, current F.A.R. and building footprint, which will not change. He reviewed that the lot coverage area would be reduced by 8,140 SF, an increase of 17% in greenspace. Three additional parking spaces will be added in the front of the lot, for a total of 43 parking spaces (40 is required). Additional site plan details were reviewed, including front sidewalk/donor pavers and landscaping on the east side of the building. A fenced-in outdoor play area was also reviewed, located on the northwest corner of the rear of the building.
4. 21 Salt Creek Lane is located in the IB Institutional Buildings District, where a special use permit is required to establish an animal human society. There were no comments from the audience during the PC public meeting on October 11, 2017.
5. A Commissioner asked if pets are allowed in the Spinning Wheel Apartments. Mr. Winkle replied yes. Another Commissioner asked how waste is handled. Mr. Matthys explained it is tied, bagged and disposed more frequently during hotter months. Jason Sanderson, RWW Management, also commented that they've built 150 animal hospitals this way and has never had an issue.
6. A Commissioner asked about the noise of the facility and how it could be controlled. Mr. Winkle replied that the animals are never left outside unattended. The new facility will also include the installation of sound baffles to control the noise inside. Dogs are also walked individually he noted.
7. A Commissioner asked if there are any plans for new lighting. There were no photometric plans or new lighting plans submitted, however, Mr. Matthys replied there will be lighting plans submitted to the next meeting (Board of Trustees).
8. The PC in general, expressed strong support for the proposed special use, and commented that the exterior appearance of the building improvements look very nice, and is an improvement over the current building.

II. RECOMMENDATIONS

Following a motion to recommend approval of the proposed special use permit, exterior appearance and site plan as submitted, the Village of Hinsdale Plan Commission, on a vote of seven (7) "Ayes," and two (2) "Absent," recommends that the President and Board of Trustees approve the application as submitted.

THE HINSDALE PLAN COMMISSION By:

_____, Chairman

Dated this _____ day of _____, 2017.




MEMORANDUM

DATE: November 8, 2017

TO: Chairman Cashman and Plan Commissioners

CC: Kathleen A. Gargano, Village Manager
Robb McGinnis, Director of Community Development/Building Commissioner

FROM: Chan Yu, Village Planner 

RE: 4 N. Washington Street – Chase Bank – 1 New Ground Sign (newly illuminated) and On-Site Informational Wall Sign with modification request to have name and logo
Case A-40-2017

Summary

The Village of Hinsdale has received a sign application from Olympic Sign Co., on behalf of Chase Bank, requesting approval to replace the existing Northern Trust Bank ground sign and on-site informational sign at 4 N. Washington Street, in the B-1 Community Business District. The same applicant was approved for a new wall sign at the October 11, 2017, Plan Commission (PC) meeting.

Request and Analysis

The existing Northern Trust Bank ground sign is located at its west parking lot entrance. The requested new ground sign location is at the south-east (N. Washington St./Chicago Ave.) corner of the subject property. The double sided sign will face east and west, features illuminated channel letters and Chase octagon logo. Per the submitted site plan, the sign is outside the 100-foot sight distance visibility triangle (N. Washington St./Chicago Ave. intersection) and is also 10 feet from the front lot line.

The proposed ground sign structure is 3'-10" tall and approximately 6'-6" wide. The sign face area is 1'-9" tall and 6'-4.25" wide, for an area of 11.12 SF. The channel letters are white, the Chase logo is blue and the sign backing is nickel colored. The 1'-6" tall ground sign base, features thin "brick" cladding that appears to be dark red in color. There is aluminum trim on the bottom and top of the sign face that is white painted. The proposed location and sign dimensions are code compliant.

The second sign request is to replace existing onsite informational signage next to the front door entrance. The proposed sign is 1'-8.5" tall and 1'-2" wide, for an area of 2 SF, which is code compliant for on-site informational signage. However, the applicant is requesting to feature the Chase name and logo on it, which triggers this to be a wall sign. To this end, the applicant is requesting the PC for a sign modification to allow an additional wall sign for the subject property. The code limits the subject property to 1 wall sign in the B-1 District.

The 2 SF sign is made of brushed aluminum and has a dark nickel backing color and gray colored logo and text (2 colors total). The sign is 1" thick, and there is a 1" top and bottom brushed stainless steel trim feature (included in the area of the 2 SF sign). The text references "Chase Private Client", which is a



MEMORANDUM

service offered at this particular branch to high profile customers. Since this is a Chase exclusive service, the sign modification request is to allow the name "Chase" and its logo on the signage.

Process

Per Section 11-607(D) and the nature of the request, this application would require a meeting before the PC and does not require public notification. The PC maintains final authority on signage with no further action required by the Board of Trustees.

Attachments:

- Attachment 1 – Ground Sign (illuminated) and On-Site Informational Sign Application and Exhibits
- Attachment 2 - Village of Hinsdale Zoning Map and application location
- Attachment 3 - Street View of 4 N. Washington Street and existing ground sign location
- Attachment 4 - Street View of 4 N. Washington Street and approximate new ground sign location
- Attachment 5 - Parcel Map of 4 N. Washington Street



**VILLAGE OF HINSDALE
COMMUNITY DEVELOPMENT DEPARTMENT
APPLICATION FOR SIGN PERMIT**

Applicant

Name: Olympic Sign Co. for Chase Bank
Address: 1130 N Garfield
City/Zip: Lombard, IL 60148
Phone/Fax: (630) 652-4106 / 424-6120
E-Mail: gdragisic@olysigns.com
Contact Name: Guy Dragisic

Contractor

Name: Olympic Sign Company
Address: 1130 N Garfield
City/Zip: Lombard, IL 60148
Phone/Fax: (630) 652-4106 / 424-6120
E-Mail: gdragisic@olysigns.com
Contact Name: Guy Dragisic

ADDRESS OF SIGN LOCATION: 4 N Washington Street

ZONING DISTRICT: B-1 Community Business District

SIGN TYPE: Monument Sign E.I.

ILLUMINATION Internally Illuminated

*Illumination cannot exceed 50 foot-candles as defined in Section 9-106(E)(b)

Sign Information:

Overall Size (Square Feet): 11.8 (24" x 76")

Overall Height from Grade: 3' 10" Ft.

Proposed Colors (Maximum of Three Colors):

- ① White
- ② Blue
- ③ Nickle

Site Information:

Lot/Street Frontage: Chicago St 200' Washington st 80'

Building/Tenant Frontage: Chicago st 57' 9" Washington st 40'

Existing Sign Information:

Business Name: _____

Size of Sign: _____ Square Feet

Business Name: _____

Size of Sign: _____ Square Feet

I hereby acknowledge that I have read this application and the attached instruction sheet and state that it is correct and agree to comply with all Village of Hinsdale Ordinances.

[Signature]
Signature of Applicant

10-26-17
Date

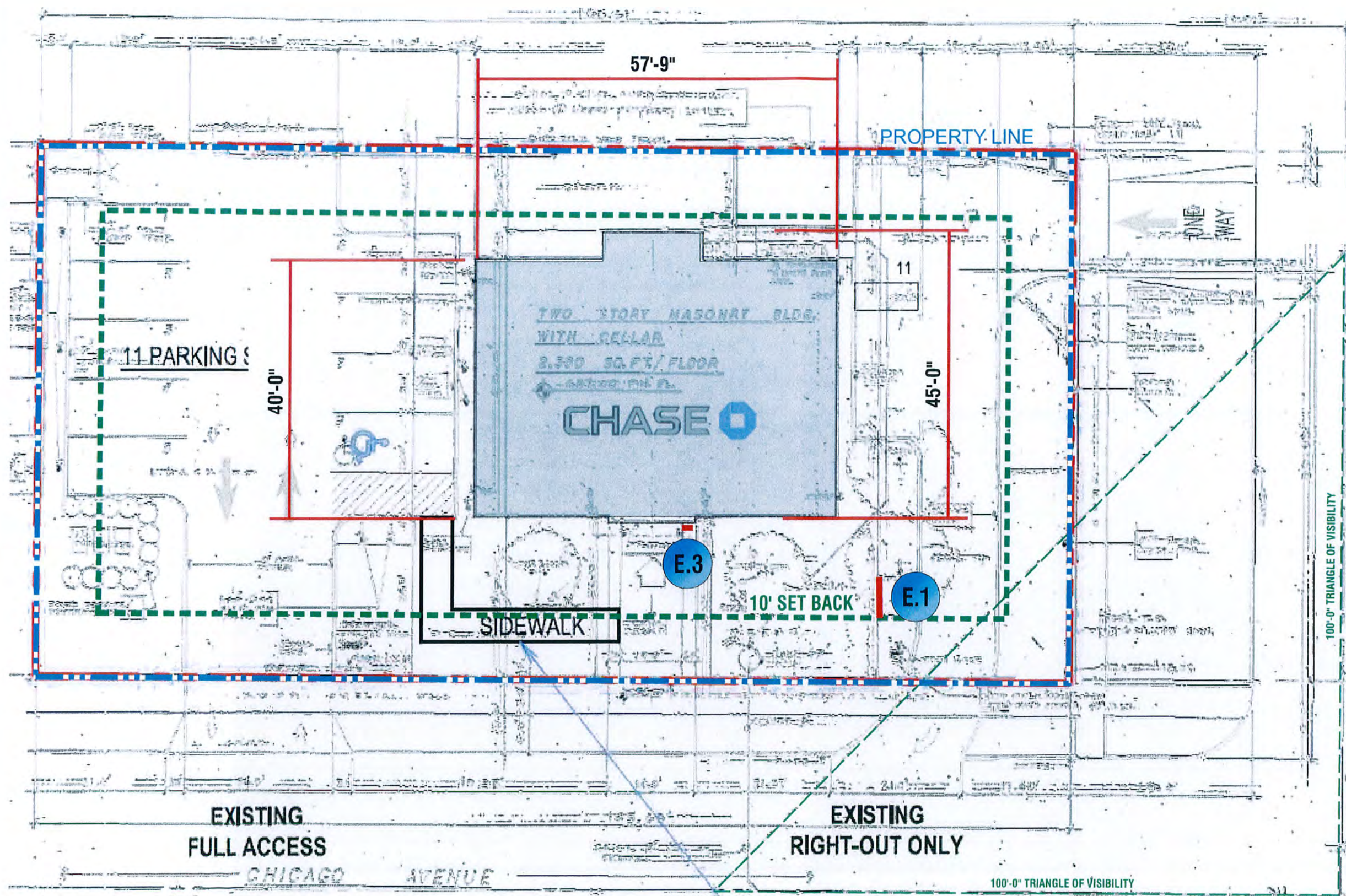
ATTACHED
Signature of Building Owner

Date

FOR OFFICE USE ONLY - DO NOT WRITE BELOW THIS LINE

Total square footage: _____ x \$4.00 = 0 (Minimum \$75.00)

Plan Commission Approval Date: _____ Administrative Approval Date: _____



SITE PLAN

SCALE: 1/16" = 1'-0"



DATE
3/16/17



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JP Morgan Chase Bank
#38100P248004

Downtown Hinsdale
4 North Washington Street
Hinsdale, IL 60521

Initial Date: 06/28/17
Salesperson: Arthur Navarro
Coordinator: Tracey Pichierri
Designer: bjones
Scale: As noted

CUSTOMER APPROVAL

Customer Signature _____ Date _____
COPY, COLORS & SIZES

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electrical to sign location -
RESPONSIBILITY OF OTHERS!

Customer Signature _____ Date _____

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Drawing Number: 17-01326

Project ID: CHASE_38100P248004_1

Enlarged Site Plan

Page No. 1 PERMIT B-R5-10.24.17

Attachment 1

SIGNAGE OVERVIEW

E.1 SIGN TYPE CUSTOM M-12-RE LETTERS/LOGO TO ILLUMINATE ONLY
ILLUMINATION NOT TO EXCEED 50 FOOT CANDLES



PROPOSED EAST ELEVATION - N. WASHINGTON ST. SCALE: APPROXIMATE



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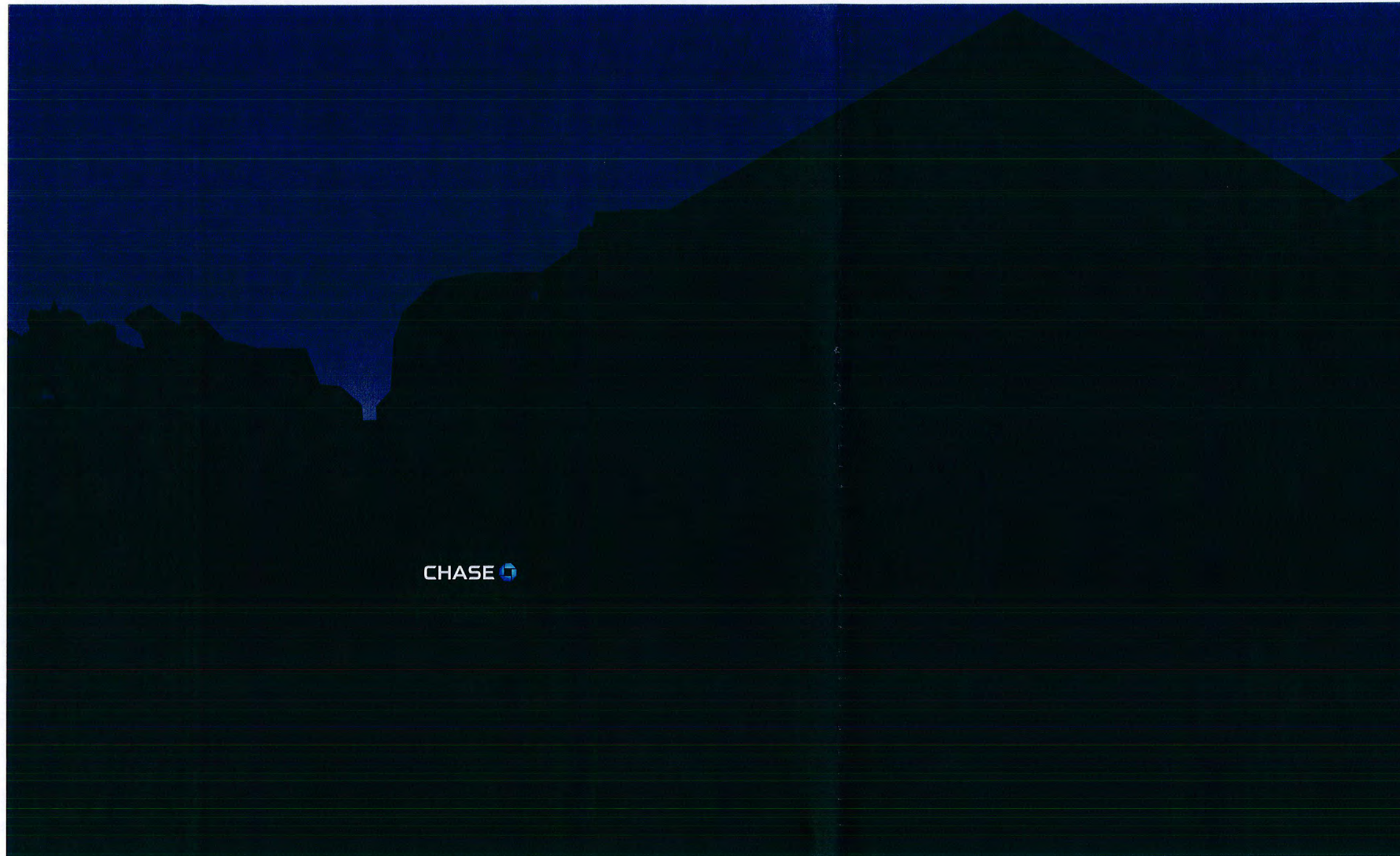
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Drawing Number: 17-01326

Project ID: CHASE_38100P248004_1

NIGHT VIEW



PROPOSED EAST ELEVATION - N. WASHINGTON ST. SCALE: APPROXIMATE



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**JP Morgan Chase Bank
#38100P248004**

**Downtown Hinsdale
4 North Washington Street
Hinsdale, IL 60521**

Initial Date: 06/28/17
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Coordinator: Tracey Pichierri
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Scale: As noted

CUSTOMER APPROVAL

Customer Signature _____ Date _____
COPY, COLORS & SIZES

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Customer Signature _____ Date _____

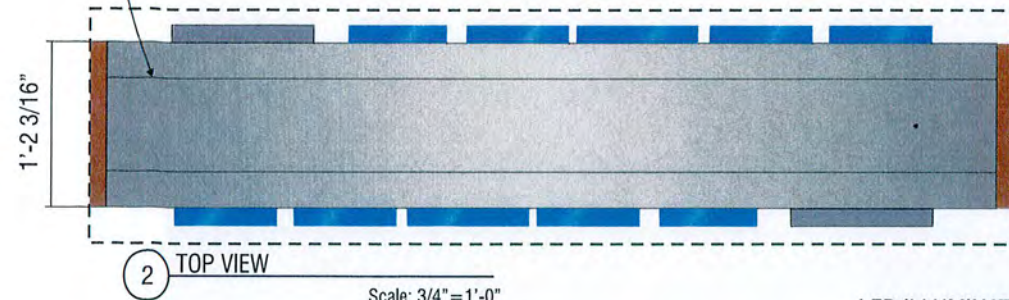
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Page No. PERMIT B-R5-10.24.17

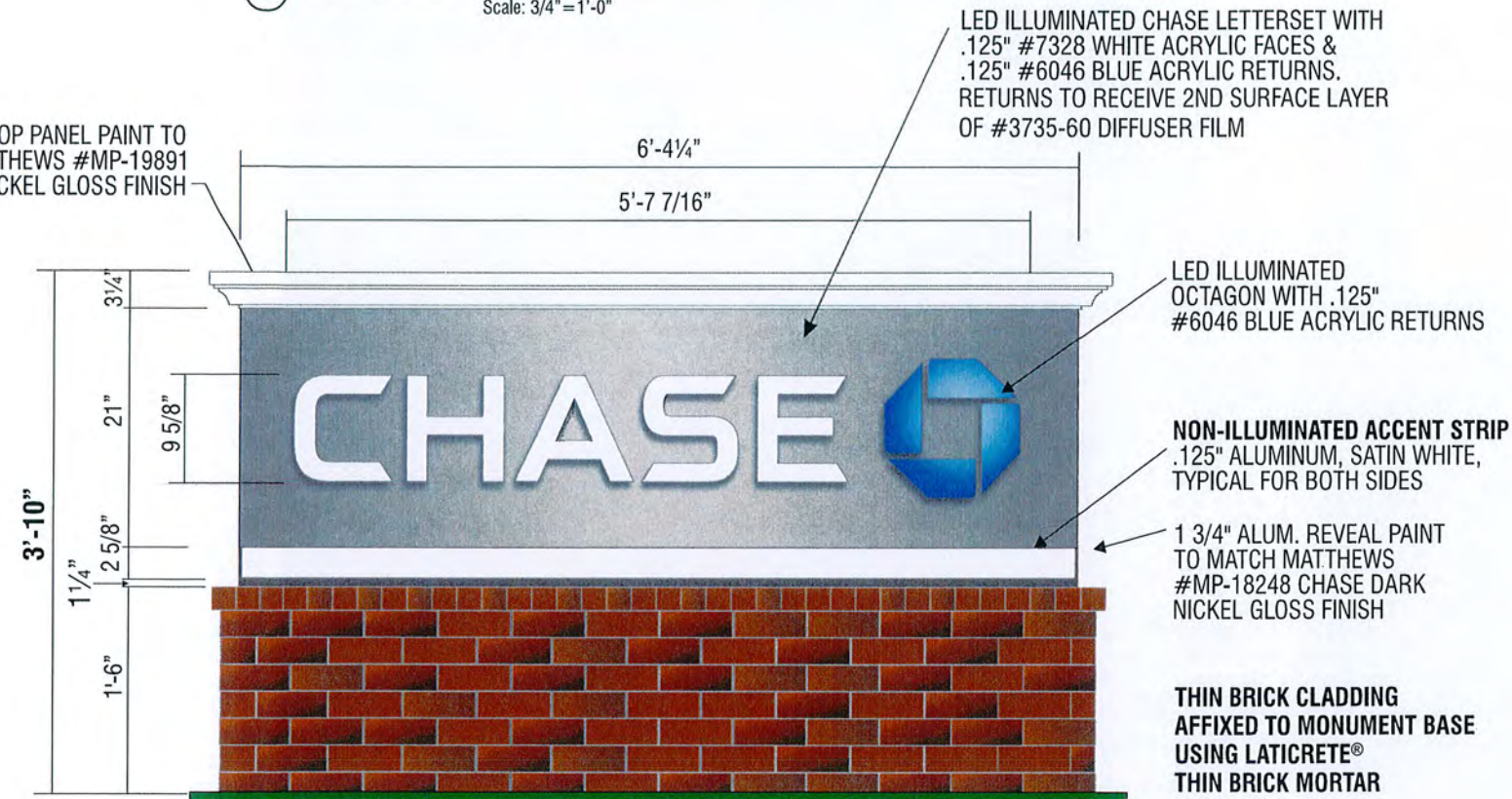
.125" ALUM. TOP PANEL PAINT TO
MATCH MATTHEWS #MP-19891
CHASE NICKEL GLOSS FINISH



ALL EXPOSED PAINTED SURFACES SHALL BE COATED WITH
MATTHEWS #282-208SP VOC GLOSS CLEAR, WITH MINIMUM
2 MILS DRY FILM THICKNESS (DFT) PER MATTHEWS
APPLICATION SPECIFICATIONS.

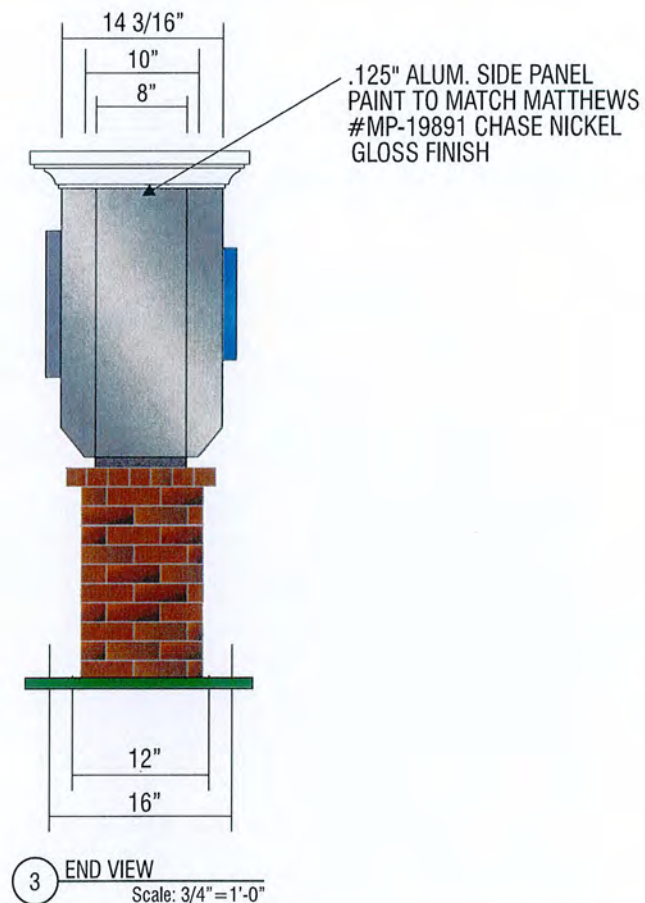
ALL EXPOSED FASTENER HEADS
SHALL BE PAINTED TO MATCH THE
EXTERIOR CABINET FINISH

.125" ALUM. TOP PANEL PAINT TO
MATCH MATTHEWS #MP-19891
CHASE NICKEL GLOSS FINISH



1 ELEVATION VIEW

Scale: 3/4" = 1'-0"



.125" ALUM. SIDE PANEL
PAINT TO MATCH MATTHEWS
#MP-19891 CHASE NICKEL
GLOSS FINISH

E.1 SIGN TYPE CUSTOM M-12-RE

CUSTOM CAP, HEIGHT w/ BRICK VENEER BASE

MANUFACTURE AND INSTALL ONE (1) ILLUMINATED D/F MONUMENT SIGN



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JP Morgan Chase Bank
#38100P248004

Downtown Hinsdale
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Drawing Number: 17-01326

Project ID: CHASE_38100P248004_1



VILLAGE OF HINSDALE
COMMUNITY DEVELOPMENT DEPARTMENT
APPLICATION FOR SIGN PERMIT

Applicant

Name: Olympic Sign Co. for Chase Bank
Address: 1130 N Garfield
City/Zip: Lombard, IL, 60148
Phone/Fax: (630) 652-4106 / 424-6120
E-Mail: gdragisic@olysigns.com
Contact Name: Guy Dragisic

Contractor

Name: Olympic Sign Company
Address: 1130 N Garfield
City/Zip: Lombard, IL 60148
Phone/Fax: (630) 652-4106 / 424-6120
E-Mail: gdragisic@olysigns.com
Contact Name: Guy Dragisic

ADDRESS OF SIGN LOCATION: 4 N Washington St.

ZONING DISTRICT: B-1 Community Business District

SIGN TYPE: Wall Sign - PLAQUE E, 3

ILLUMINATION None

*Illumination cannot exceed 50 foot-candles as defined in Section 9-106(E)(b)

Sign Information:

Overall Size (Square Feet): 2 (20 1/2" x 14")

Overall Height from Grade: 78" Ft.

Proposed Colors (Maximum of Three Colors):

- ① Brushed aluminum
- ② Gray
- ③

Site Information:

Lot/Street Frontage: Chicago St 200' Washington St 80'

Building/Tenant Frontage: Chicago St 57' 9" Washington St 40'

Existing Sign Information:

Business Name:

Size of Sign: Square Feet

Business Name:

Size of Sign: Square Feet

I hereby acknowledge that I have read this application and the attached instruction sheet and state that it is correct and agree to comply with all Village of Hinsdale Ordinances.

[Signature]
Signature of Applicant

10-25-17
Date

ATTACHED
Signature of Building Owner

Date

FOR OFFICE USE ONLY - DO NOT WRITE BELOW THIS LINE

Total square footage: x \$4.00 = 0 (Minimum \$75.00)

Plan Commission Approval Date: Administrative Approval Date:

SIGNAGE OVERVIEW



E.3 CPC-EWP-SF-20.5-RE
FACING SOUTH TO CHICAGO AVE.

78"
A.F.F.
TO
TOP

PROPOSED WEST LOT ENTRANCE - CHICAGO AVE. SCALE: 1/2"=1'-0"



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CUSTOMER APPROVAL

Customer Signature _____ Date _____
COPY, COLORS & SIZES

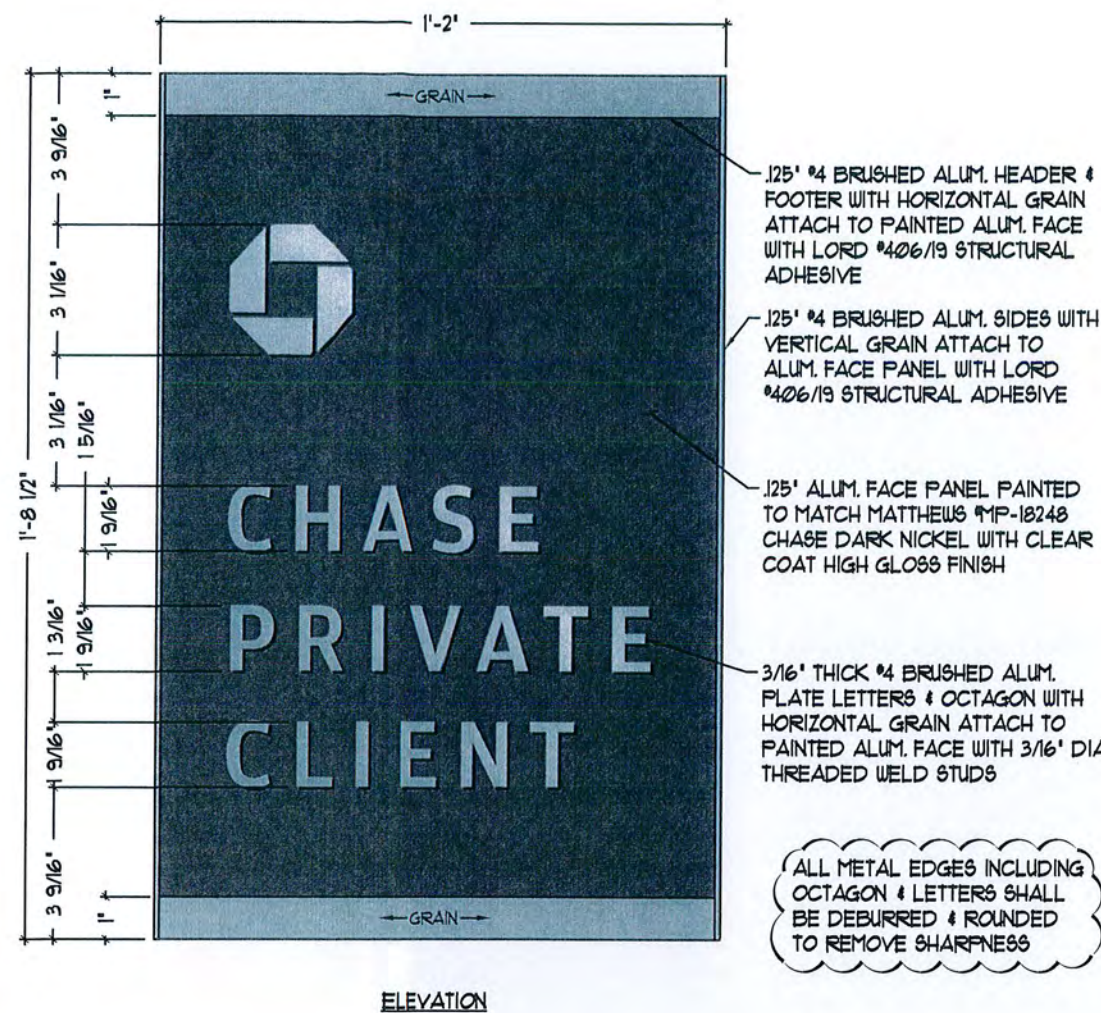
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Project ID: CHASE_38100P248004_1

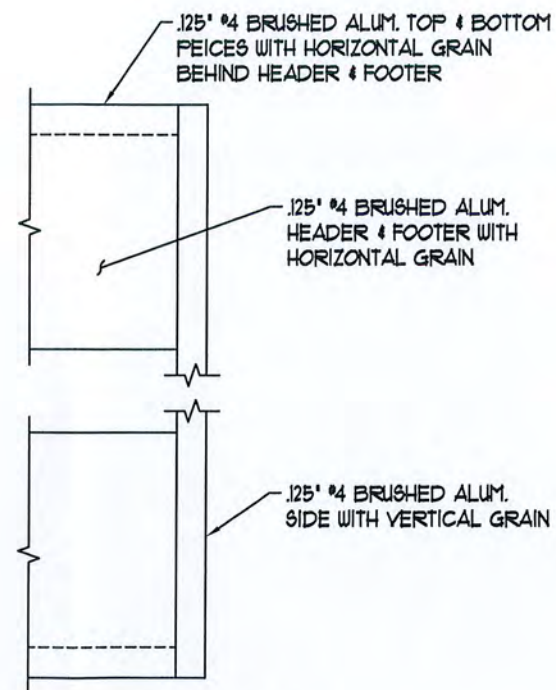


ELEVATION



SIDE VIEW

MANUFACTURER SHALL USE A TEMPLATE TO ENSURE PROPER PLACEMENT & ALIGNMENT OF LETTERS & OCTAGON



BRUSHED STAINLESS STEEL TRIM DETAIL

APPROX WEIGHT OF SIGN: 10 LBS

E.3

SIGN TYPE CPC-EWP-20.5-RE

MANUFACTURE AND INSTALL ONE (1) CPC ENTRANCE WALL PLAQUE

NOTES:

1. Design is based on 90 mph 3 sec gust design wind speed per IBC 2006, Exposure C.
2. No additional wind catching surfaces are added to the building structure, the customer's building engineer is to determine the adequacy of the supporting structure.
3. Aluminum components shall be free from defects. Aluminum shapes shall be extruded from 6061-T6 alloy. Aluminum sheet shall be 3003-H14 alloy. Aluminum plate shall be 5052-H34 alloy.
4. All fasteners shall be stainless steel or otherwise coated to prevent corrosion.
5. Welds shall be made with a 4000 series filler for aluminum by persons qualified in accordance with AWS standards within the past two years.
6. All wall penetrations shall be sealed to prevent water intrusion.
7. This design is prototypical and should not be used for site specific applications unless deemed suitable by a competent Professional Engineer.



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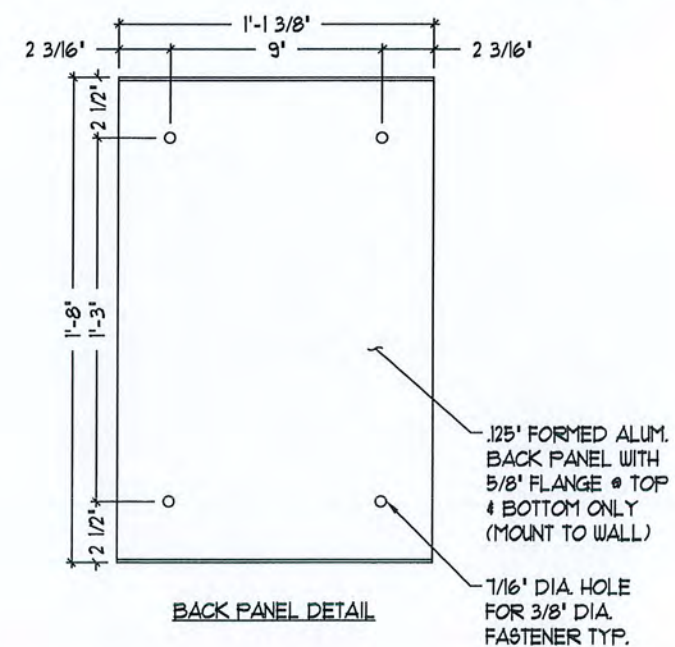
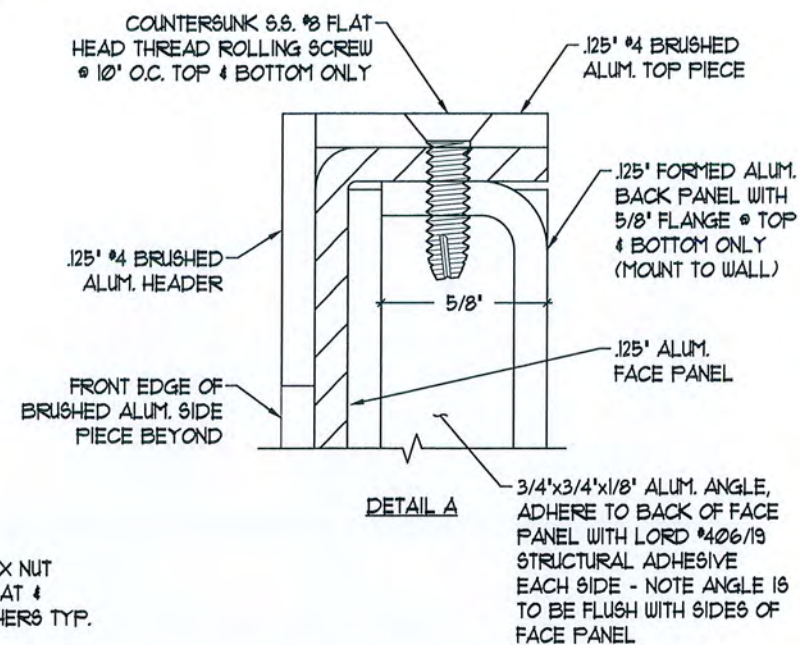
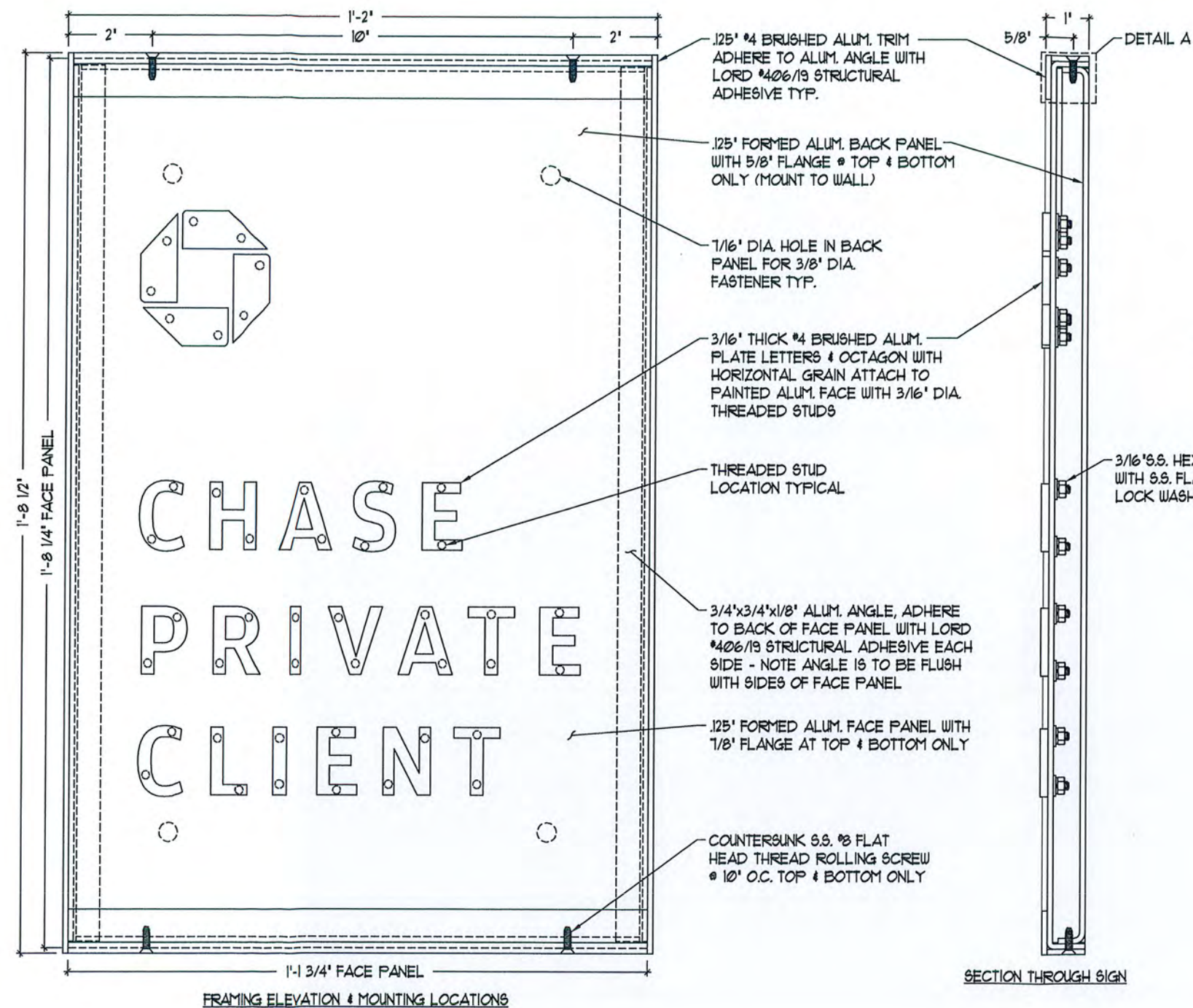
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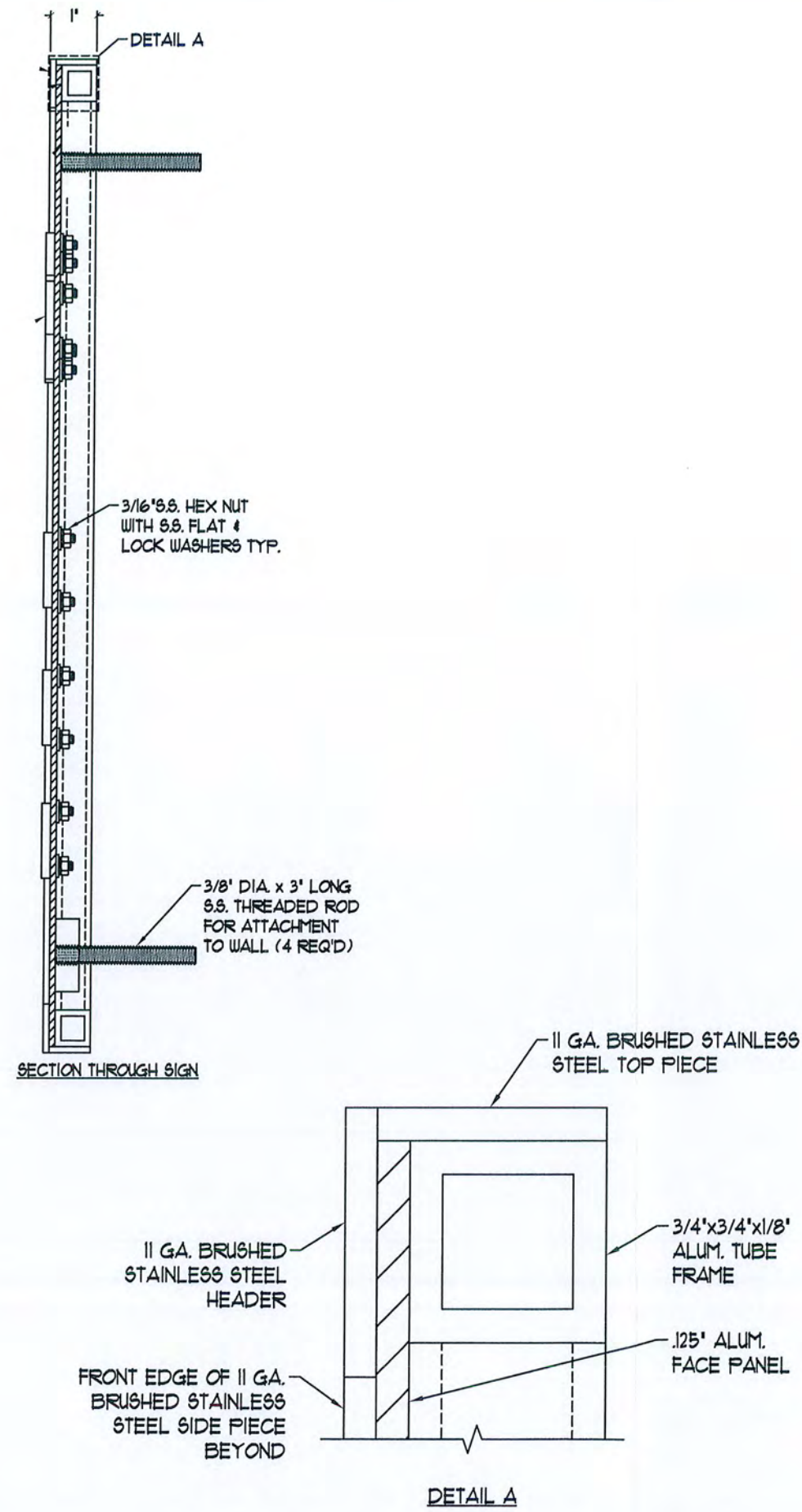
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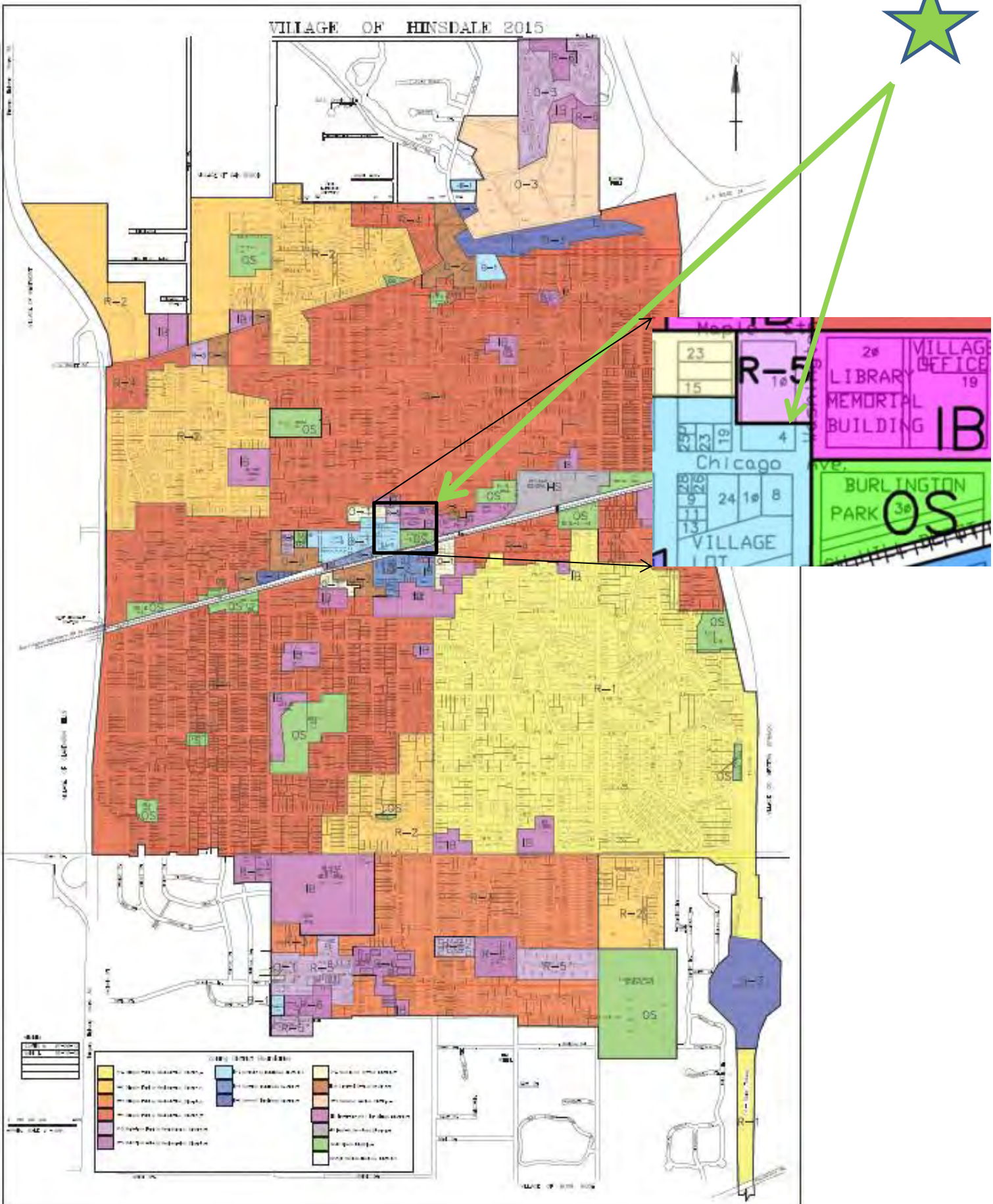
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Drawing Number: 17-01326

Project ID: CHASE_38100P248004_1

Attachment 2: Village of Hinsdale Zoning Map and Project Location



Attachment 3: Street View of 4 N. Washington Street (facing north)
Existing Ground Sign Location



Attachment 4: Street View of 4 N. Washington Street (facing northwest)
Proposed New Ground Sign Location



Attachment 5: Parcel Map of 4 N. Washington Street






MEMORANDUM

DATE: November 8, 2017

TO: Chairman Cashman and Plan Commissioners

CC: Kathleen A. Gargano, Village Manager
Robb McGinnis, Director of Community Development/Building Commissioner

FROM: Chan Yu, Village Planner 

RE: 336 E. Ogden Avenue – Bill Jacobs Group - Relocation of Hinsdale Land Rover Dealership
Exterior Appearance/Site Plan for Renovation of former GM facility - Case A-29-2017
Continuation from September 13, 2017, Plan Commission Public Meeting

Summary

The Village of Hinsdale has received an Exterior Appearance/Site Plan review application from Mr. Peter Nagel, Project Designer on behalf of the Bill Jacobs Group, requesting approval to renovate the existing former GM training facility at 336 E. Ogden Avenue. The renovation request is for the Hinsdale Land Rover dealership at 300 E. Ogden Avenue to relocate to the subject property. Auto dealerships are a permitted use in the B-3 General Business District.

On September 13, 2017, the architect, Jerry Mortier, on behalf of the applicant, reviewed the site plan and building plans with the Plan Commission (PC). He stated that the building envelope and parking lot will essentially stay the same. The façade of the building and the floorplan will be redeveloped to Land Rover specifications. He also reviewed the parking lot, fence and lighting on the site plan. He presented two optional fence heights, 6 feet or 8 feet tall, whichever would best suit the community. He also stated that Land Rover will not use the existing PA system and switch to Nextel Radio devices. The number of light poles in the lot would remain the same and the locations were presented to the PC.

During the public comment period of the PC meeting on September 13, 2017, there were approximately 5 neighbors who live in the residential neighborhood south of the subject property who expressed concerns over the proposal. The concerns focused on the sound of the additional traffic, equipment and tire sounds coming from the overhead door facing south, where serviced cars would enter and exit to an area with 19 car lifts and a car wash space. Function and aesthetics in regards to the southern property line fence, neighborhood “test drives” and sidewalk safety concerns were also voiced by the neighbors. Delivery times for parts and cars were also asked by the neighbors, and reported that the current Land Rover site receives deliveries at 2 AM.

The applicant requested to continue the agenda item for the November 8, 2017, PC meeting to host a third neighborhood meeting on October 30, 2017, to review changes per the concerns raised at the second neighborhood meeting on October 2, 2017. A summary of the concerns raised by the neighbors at the September 13, 2017, PC meeting and both aforementioned October meetings are provided on the latter half of page 2 (Neighborhood/Residents’ Concerns Summary).



MEMORANDUM

Application Modification Summary for November 8, 2017, PC Meeting

In response to the concerns and requests by the neighbors at the October 2, and October 30, 2017, neighborhood meetings, and September 13, 2017, PC meeting, the applicant has revised and submitted revised plans, as summarized in Attachment 1, applicant cover letter dated October 31, 2017.

Some revision examples include:

- 1) Removal of the existing 4 southeast overhead doors. The applicant will seal off by brick, the 4 overhead doors of the service area that faced south. This was a primary area of concern in regards to noise.
- 2) A continuous row of 10 feet tall arborvitae hedge added to the entire length of the south fence. Per the applicant, the 10-foot arborvitae height is the initial planting height, and can grow up to 15-feet. The arborvitae will be planted south of the fence wherever possible.
- 3) A new fence height configuration for a 6-foot height at the 808 Oak Street lot line, with an increase to 8-feet tall for the remainder of the fence (westward), per the neighbor's request.
- 4) 3 fence options are presented, and include a composite Trex fence (wood look), SimTek fence (stone look) with an STC-26 sound rating, and a cedar fence with horizontal boards.
- 5) Relocated refuse location from the south of the subject property to the west, in between the 2 existing elevated loading docks. A solid enclosure illustration is included on the elevation sheet and notes it will be painted grey, to match the building façade.
- 6) Updated photometric plan with site lighting data added, including average lighting of 2.6 foot-candles overall, and 0 at the southern residential lot lines. For context, the Illuminating Engineering Society of North America (IESNA) holds security lighting for automotive dealerships to a 10 foot-candle average, and 75 foot-candle max for the first row of vehicles (feature display area) adjacent to a major arterial. The code calls for luminaire cutoffs to prevent direct glare onto any public or private property or streets, and no more than .5 foot-candle at any residential lot line. Fixtures labeled "OA-C" and "OC-C" will be dimmed 30% during afterhours (hours to be discussed at the PC meeting).
- 7) Lighting wall packs removed, including 2 from the south, 3 from the west and 1 from the north of the building. The plan shows 4 total, 3 on the west and 1 on the southeast corner.
- 8) New low plantings planned for the southeast green space area (per the concerns of the resident to the south) with illustration. The Village has indicated it will plant a tree in the area too.
- 9) The application request to trim the east Oak Street bushes from its current height between 9'-10' to 3' is now proposed to be trimmed down to 5', but cut shorter at the ingress/egress points for line-of-sight purposes.

Neighborhood/Residents' Concerns Summary

The concerns and issues raised at the September 13 PC meeting and October 2, and October 30, 2017, meetings primarily revolved around noise, traffic, lighting and the south property line fence.

Noise concerns were referenced for the following reasons:

- 1) A resident reported the current Land Rover dealership at 300 E. Ogden Avenue receives deliveries at 2 AM, and is worried it could also occur at the new location.
- 2) The southeast overhead garage doors will continuously open and close during service hours, which will expose tire noises and power tool noises from the service area, which includes 20



MEMORANDUM

car lifts and a car wash space. To this end, the residents voiced strong opposition to utilizing the southeast overhead doors. The PC Chair requested a potential floorplan revision that could possibly allow the service traffic to exit out of the east side of the building.

- 3) A few residents referenced the sound from the PA system, used at the current Land Rover dealership as being noisy. The applicant has noted at the meeting and neighborhood meetings that the new dealership would not use a PA system.

A few neighborhood residents expressed concerns about additional traffic. For example, traffic concerns were referenced for the following reasons:

- 1) A resident is worried about test drives exiting east from the dealership and south into the residential neighborhood.
- 2) A resident is concerned about the line-of-sight for exiting east from the dealership, due to the current and potential trees and shrubs of the landscape plan. This was emphasized due to pedestrians using the nearby sidewalk.

Lighting and fence aesthetics were also topics of concern by the neighbors. For example, these concerns were referenced for the following reasons:

- 1) A few residents believed the current lighting/photometric plan is too bright and will be a light pollution problem.
- 2) A resident has reported current lighting on the building is causing a glare onto his property.
- 3) A resident who lives directly adjacent (southeast) to the subject property is requesting careful consideration regarding the aesthetics/materials of the new fence. His request is to keep the fence height to 6 feet, due to how close the property line is to the home.
- 4) A resident who lives directly adjacent (south west) to the subject property is also requesting careful consideration regarding the aesthetics/materials of the new fence. However, his request is to construct the tallest fence possible (8 feet, per the code) to buffer against the light and sound.
- 5) The fence should have additional purposes, including sound and light buffering. To that end, some neighbors are requesting for a concrete fence.
- 6) In general, the neighbors and PC expressed that the current perimeter landscaping needs improving.

Request and Analysis

Per the applicant, the subject property is 157,687 SF, which is 3.62 acres. The existing GM training facility building is 1-story, 20-foot tall building with a footprint of 37,115 SF (.23 floor area ratio). The proposed plan will change the northeast corner of the front façade, and will reduce the building footprint slightly to 36,955 SF. Currently, there is a canopy feature that extends past the brick façade wall at the west of the building. The applicant plans to reconstruct the canopy area, to be flush with the existing brick façade wall by reducing the canopy overhang, but increasing the height 2-inches to match the existing building height of 20 feet. Thus, the front yard setback will not change. The rear and side yard setbacks will also not be affected since the plan will not expand the existing height or building envelope. Of note, the current bulk requirements would permit a new building 30 feet tall/2-stories, and a .50 floor area ratio.



MEMORANDUM

The applicant had submitted two options to update the building façade for the September 13, 2017, PC meeting (“sunshine gray” and “champagne”). However, for the November 8, 2017, PC meeting, the elevation plan only includes sunshine gray metal panels; horizontal in nature, on the north, east and west elevations, and painting the existing brick walls in the color gray. Installation for new planar glazing windows and removing/replacing the existing overhead doors are shown on the north (front façade), and partially on the east and west façades. Primarily, the existing brick walls will be painted grey.

The site plan shows a new resin walkway with a green hedge between the front façade and sidewalk on Ogden Avenue. The landscape plan references two trees in the front yard to be removed, along with four dead trees on the west side yard. There will be six new trees planted for a net zero loss in trees. The site plan will utilize the existing parking lot, however, with newly added interior green island plantings. The total lot coverage will be reduced slightly by 1.1 percent, and there will be a reduction of 21 parking spaces. The existing subject property perimeter green space will be preserved and maintained at its current size and setback. There is an existing fence along the southeastern portion of the subject property, between Oak Street and Franklin Street that is adjacent to the residential (R-4) zoning district to the south. The revised plan includes a continuous row of 6 feet tall arborvitae hedge for the entire length of the south fence.

A building floorplan is included, and shows the new use of the existing building for the Land Rover dealership its service center. The floorplan legend references space for showrooms, sales offices, parts storage, service reception and service areas. Scaled drawings of cars are also shown to give spatial context. The site plan has been updated for the November 8, 2017, PC meeting to show the southeast overhead doors sealed off. This was reviewed at the October 30, 2017, neighborhood meeting.

The public meeting notice requirements have been followed per section 11-604(E), since the nonresidential parcel is within 250 feet from a single-family zoning district. It abuts the R-4 Single Family Residential District to the south. There has been 3 neighborhood meetings thus far, on September 8, 2017, October 2, 2017, and October 30, 2017, with the neighbors on Franklin and Oak Street. The applicant presented the plans, revisions and answered questions by residents and staff at said meetings.

Process

Pursuant to Section 11-606, the Chairman of the PC shall, at the public meeting on the application for exterior appearance review, allow any member of the general public to offer relevant material and nonrepetitive comment on the application. Within 60 days following the conclusion of the public meeting, the Plan Commission shall transmit to the Board of Trustees its recommendation, in the form specified in subsection 11-103(H) of this article, recommending either approval or disapproval of the exterior appearance and site plan based on the standards set forth in subsection F1 of this Section 11-606.

Attachments:

- Attachment 1 – Summary Cover Letter (dated 10.31.17) and updated Application Exhibits (packet)
- Attachment 2 - Zoning Map and Project Location
- Attachment 3 - Birds Eye View Map
- Attachment 4 - Street View of 336 E. Ogden Avenue
- Attachment 5 - Residential Concern email regarding the east property line bushes (dated 10.31.17)

October 31, 2017

Village of Hinsdale
Community Development Department
c/o Chan Yu, Village Planner
5550 East Ave
Countryside, IL 60525

Re: Plan Commission Public Hearing for Jacobs Land Rover, November 2017

Mr. Yu, Mr. McGinnis, Board of Trustees, Plan Commissioners, et al:

As requested, the memorandum below outlines the updated status and revisions to the documents originally dated 09.13.17 for the September Plan Commission meeting, to be reviewed in continuation on November 8, 2017. These revisions are all in response to questions, comments, or requests from the September Plan Commission meeting, and October 2nd and 30th neighborhood meetings in Hinsdale made by various commissioners, residents, the village planner, and the village manager.

1. Schematic Floor Plan
 - a. Most recent floor plan approved by owner is provided. Most notably there are no longer any overhead doors on the south wall of the building. This plan was revised following the October 2nd neighborhood meeting in which these doors were of great concern for noise and visibility. The owner is willing to use the quietest door possible that works with his operation.
2. Schematic Exterior Elevations
 - a. Only the option where existing brick is maintained and painted is being pursued now.
 - b. Annotation has been revised and clarified.
 - c. New dumpster location and materials is indicated.
 - d. All existing wall packs on building are indicated as being removed. Some are being replaced as indicated on photometric and architectural site plans.
3. Existing ALTA Survey
 - a. No change.
4. Architectural Site Plan
 - a. Extent of green space/hedges indicated to match landscape plan.
 - b. Light poles are identified per photometric plan.
 - c. Overhead doors on south side of building removed per revised floor plan.
 - d. Parts Loading docks are identified and loading areas are dimensioned.
 - e. Dumpster Enclosure has moved to west side of building between loading docks. Material has changed to match building as per revised Elevations (page 8).
 - f. Number/location of handicap parking stalls per village ordinance (2 shown, 4 previously)
 - g. Number/location of total parking stalls (266, previously 264; still 49 employees + customer)
 - h. Fence along extent of southern property border to be entirely new; entire existing fence to be torn down and replaced. See also Fence 3D images added to this set (pages 7A Trex, 7B SimTek, 7C Cedar). The fence at the end of the cul-de-sac and extending west to edge of property is noted to be set at top of the slope and field coordinated to miss existing plantings.
5. Photometric Site Plan
 - a. (2) wall packs on south, (3) wall packs on west, and (1) wall pack on north of building removed.
 - b. (1) poles on south property line and (2) light poles on west property line added.
 - c. "Luminaire Schedule" revised and average lighting levels/notes added.
 - i. Lighting cut sheets will be provided separately from this packet.
 - ii. Please note the average reading for the entire site is about 2.5fc, and 0.5fc or less at all property lines. Hinsdale does not have an ordinance for off-hours dimming, but as a

- comparison Naperville requires lighting to be dimmed to 10fc after 10pm. Our site is a quarter of that total at all times of the day.
- iii. Please also note that the standard recommended light level per the Illuminating Engineering Society (IES) standards is 20fc avg. for an auto dealership, with a recommended range of 10-40 fc.
 - iv. A simplified description of each fixture including color temperature, lumen output, and dimming capability has been added to this sheet.
6. Landscape Plan
- a. Extent of trees and hedges to be pruned/removed is clearly indicated on plan.
 - i. The hedge along Oak St was recommended to be removed entirely at September Plan Commission. It was initially trimmed down to 36" to block headlights onto the street and increase visibility to/from lot both for sales and for safety. Per 10/30/17 neighborhood meeting these will now be trimmed up to 60" tall but cut back at the access points.
 - b. Replace low plantings in southeast green space.
 - c. All fencing on south property line now indicated as new; see fence images.
 - d. Continuous hedge added along entire length of fence. This hedge is indicated as arborvitae on the plan for a continuous look. Per the 10/30/17 neighborhood, plantings on the residential lots can be flexible if a relatively cohesive look is maintained and all plantings are within the current budget.
7. Proposed Fence (3D images). We are presenting (3) options for consideration. All (3) options indicate a 6' fence at 808 Oak St property line, then steps up to 8' fence for remainder of fence. These heights are all flexible and are based on our latest feedback. See landscape plan for extent of additional plantings along fence.
- a. Option A – composite fence. This is a "wood look" fence made out of plastic for easier maintenance. Product is "Trex" and sample will be brought to the meeting. 25-year replacement warranty.
 - b. Option B – acoustical fence. This is a "SimTek" brand fence suggested by plan commission at September meeting. It has an STC-26 sound rating, which is comparable to a standard office wall. 25-year replacement warranty. A gray stone-look option is shown but it is available in a variety of colors as well as a wood-look. Product info is provided separately from this packet.
 - c. Option C – cedar fence. This was initial option presented to neighbors on October 2nd and has been slightly modified since that meeting.
 - d. Several concrete/masonry fence options were priced and are cost-prohibitive to this project, including the cast concrete panel option presented at 10/30/17 meeting.
8. Additional items not in packet
- a. Lighting cut sheets
 - b. SimkTek sound analysis and product info
 - c. Exterior building material samples and fence sample(s) will be brought to plan commission meeting

We hope this description of revisions helps facilitate the Plan Commission's review of our submittal and look forward to the meeting on November 8th. We appreciate the detailed review and input from the Village staff and residents, and thank you again for your cooperation.

Sincerely,

Peter Nagel, AIA
Project Designer
The Redmond Company

CC: Jerry Mortier, co-applicant, The Redmond Company



1. SCHEMATIC FLOOR PLAN
2. SCHEMATIC ELEVATIONS
3. EXISTING ALTA SURVEY
4. ARCHITECTURAL SITE PLAN
5. PHOTOMETRIC SITE PLAN
6. LANDSCAPE PLAN
7. PROPOSED FENCE
 - A. COMPOSITE FENCE
 - B. SIMTEK ACOUSTIC FENCE
 - C. CEDAR FENCE

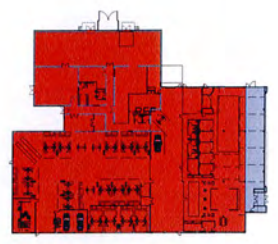
Jacobs Land Rover

Plan Commission Submittal


THE REDMOND COMPANY
 • DESIGN • CONSTRUCTION
 • CONSULTING • MANAGEMENT
 W228 N745 Westmound Drive
 Waukesha, Wisconsin 53186
 tel 262.549.9600 fax 262.549.1314
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AUTHORIZATION
SIGNATURE

SIGNATURE _____ DATE _____

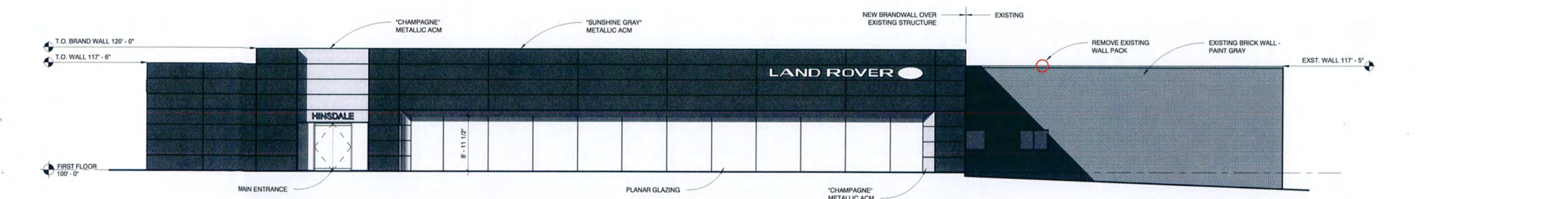
THIS SIGNATURE AUTHORIZES THE DESIGN/BUILDER TO PROCEED TO THE NEXT PHASE OF PROJECT COMPLETION AND CERTIFIES THAT THE DESIGN/BUILDER AND THE CLIENT ARE IN AGREEMENT TO THE SCOPE OF WORK PRODUCED AND THAT THE DRAWINGS ARE IN COMPLIANCE WITH THE CLIENTS REQUIREMENTS.


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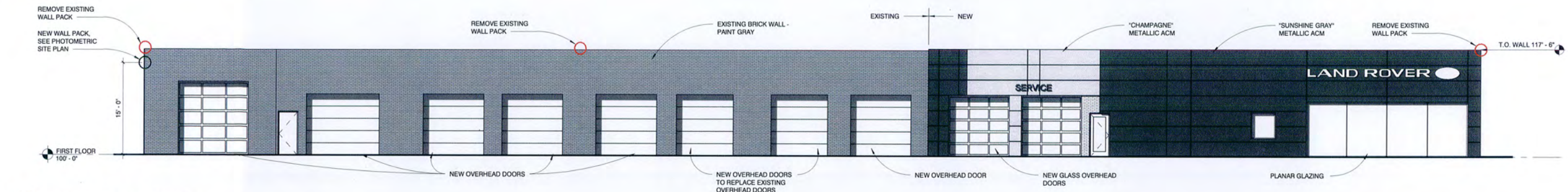
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First Floor - Option K

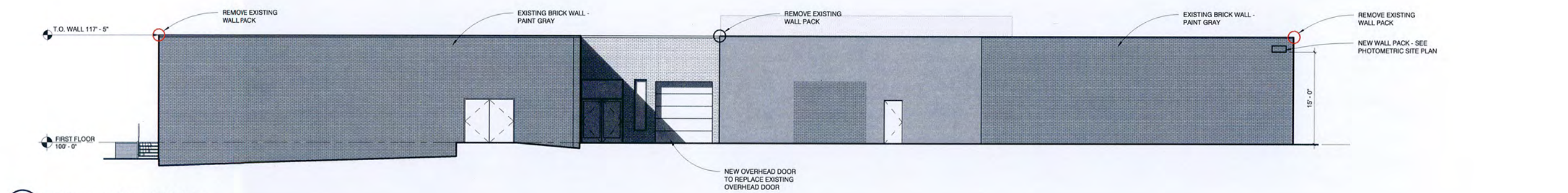




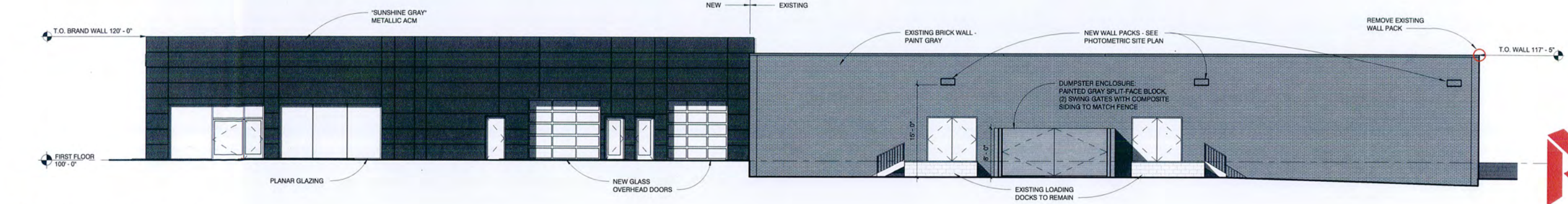
1 NORTH ELEVATION - PROPOSED
1/8" = 1'-0"



2 EAST ELEVATION - PROPOSED
1/8" = 1'-0"



3 SOUTH ELEVATION - PROPOSED
1/8" = 1'-0"



4 WEST ELEVATION - PROPOSED
1/8" = 1'-0"

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Exterior Elevations

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ALTA / NSPS LAND TITLE SURVEY

PARCEL 1:
LOTS 14, 15, 16 AND 71 (EXCEPT THE SOUTH 60 FEET AND EXCEPT THE WEST 30.0 FEET THEREOF) IN HINSDALE HIGHLANDS, BEING A SUBDIVISION OF PART OF THE NORTHEAST QUARTER OF SECTION 1, TOWNSHIP 38 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED APRIL 8, 1922 AS DOCUMENT 155000, IN DUPAGE COUNTY, ILLINOIS.

PARCEL 2:
A PART OF THE NORTHEAST QUARTER OF SECTION 1, TOWNSHIP 38 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS:
COMMENCING ON THE EAST LINE OF SAID NORTHEAST QUARTER 279 FEET SOUTH OF THE NORTHEAST CORNER OF SAID QUARTER SECTION; THENCE SOUTH 79 DEGREES 48 MINUTES WEST, 938.41 FEET TO THE NORTHWEST CORNER OF LOT 16 IN HINSDALE HIGHLANDS, FOR A POINT OF BEGINNING; THENCE SOUTH PARALLEL WITH THE EAST LINE OF SAID QUARTER 300 FEET; THENCE SOUTH 79 DEGREES 48 MINUTES WEST 200 FEET; THENCE NORTH PARALLEL WITH THE EAST LINE OF SAID QUARTER 300 FEET TO AN IRON STAKE ON THE SOUTH LINE OF OGDEN AVENUE; THENCE NORTH 79 DEGREES 48 MINUTES EAST 200 FEET TO THE POINT OF BEGINNING, IN DUPAGE COUNTY, ILLINOIS.

PARCEL 3:
LOT 13 AND THE SOUTH 60 FEET OF LOT 71 (EXCEPT THE WEST 30.0 FEET THEREOF TAKEN FOR PUBLIC STREET) IN HINSDALE HIGHLANDS, BEING A SUBDIVISION OF PART OF THE NORTHEAST QUARTER OF SECTION 1, TOWNSHIP 38 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED APRIL 8, 1922 AS DOCUMENT 155000, IN DUPAGE COUNTY, ILLINOIS.

COMMON ADDRESS: 336 E. OGDEN AVENUE, HINSDALE, ILLINOIS

- TABLE "A" ITEMS
- monuments noted at all boundary corners
 - address observed is detailed on the survey
 - per Federal Emergency Management Agency only the described property lies in Zone "X", area determined to be outside 0.2% annual chance floodplain
 - gross land area = 3.62 acres
 - zoning classification is B-3 General Business District except for the south 60' of Lot 71 which is R-4
 - Maximum building height = 30' or 2 floors setbacks 100' from c/y of Ogdene Ave 35' from Oak Street sideyard = 10' rearward = 20' Maximum Floor Area ratio = 0.50
 - South 60' of Lot 71 is R-4, single Family R-4 Maximum building height = 3 stories setbacks front 35' sideyard = 8' rearward = 25' Maximum Floor Area Ratio = 0.24 + 1200 s.f.
 - exterior dimensions of building is noted
 - building footprint = 37,115 s.f.
 - building height is noted along the southerly wall of the building
 - substantial features are located and shown on the survey
 - parking lot striping is faded and worn through out there are 223 regular striped parking stalls and 3 handicap striped parking stalls as best as can be determined
 - underground utilities are shown per observed evidence in the field and from record gas company records
 - names of adjoining owners, determined through tax records, are detailed on the survey drawing.
 - described property is located at the intersection of 2 right of ways as shown on the survey drawing
 - no observed evidence of recent earth moving work, building construction or building additions observed in the process of the survey work

TITLE COMMITMENT SCHEDULE B ITEMS PERTAINING TO SURVEY MATTERS

- covenants, conditions and restrictions contained in deed recorded November 9, 1926, as document 224623, conveying lot 71, relating to use, cost and location of buildings to be erected on the land
- covenants, conditions and restrictions contained in deed recorded May 16, 1961 as document R61-6902 and any amendments thereto: until and unless said lot 71 is reclassified as a Commercial District or Industrial District under the village zoning ordinance, neither General Motors Corporation nor any successor in title to the property hereby conveyed shall without permission granted by ordinance of said village:
- use any part of said lot 71 for purpose which at the time is lawful solely in Commercial or Industrial Districts under the village Zoning Ordinance
- construct any building upon said lot 71
- make any portion of said lot 71 available for the use of the general public for parking motor vehicles
- permit the parking of motor vehicles within 6 feet of the south line of said lot 71 or within 35 feet of its east line.

STATE OF ILLINOIS) S.S.
COUNTY OF DUPAGE)

TO: NAPLETON INVESTMENTS PARTNERSHIP, LP
an Illinois Limited Partnership
LAND ROVER HINSDALE, LLC
CHICAGO TITLE INSURANCE COMPANY

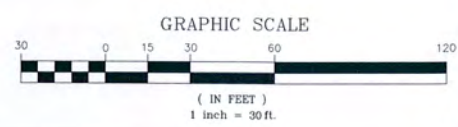
THIS IS TO CERTIFY THAT THIS PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH 2011 "MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS" JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS AND INCLUDES ITEMS 1, 2, 3, 4, 6a, 6b, 7a, 7b1, 7c, 8, 9, 11, 13, 14 and 16 THEREOF. THE FIELD WORK WAS COMPLETED ON AUGUST 18, 2016.

DATE OF PLAT: AUGUST 19, 2016.

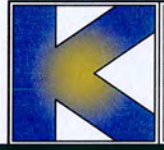
Michael L. Krisch
MICHAEL L. KRISCH
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2501
LICENSE EXPIRES NOVEMBER 30, 2016

Symbols Legend

●	Sanitary Sewer Manhole
⊙	Storm Sewer Manhole
□	Catch Basin
■	Curb Inlet
○	Fire Hydrant
⊗	Water Valve in Vault
⊕	Water Valve
⊞	B-Box
+	Sign
≡	Street Sign
⊞	Gas Valve
⊞	Landscape Light / Post
⊞	Light Pole
⊞	Electric Transformer
⊞	Utility Pedestal
⊞	Telephone Manhole
⊞	Electric Handhole
⊞	Traffic Signal Pole
⊞	Pole Anchor
⊞	Utility Pole w/ Overhead Wire Direction
—	Storm Sewer
—	Sanitary Sewer
—	W—W—Watermain
—	G—G—Gasmain
—	E—E—Underground Electric Line
—	T—T—Underground Telephone Line
—	TV—TV—Underground Cable Television
—	FO—FO—Underground Fiber Optic Line
—	FM—FM—Force Main Sewer



Prepared for: ED NAPLETON DEALERSHIP GROUP



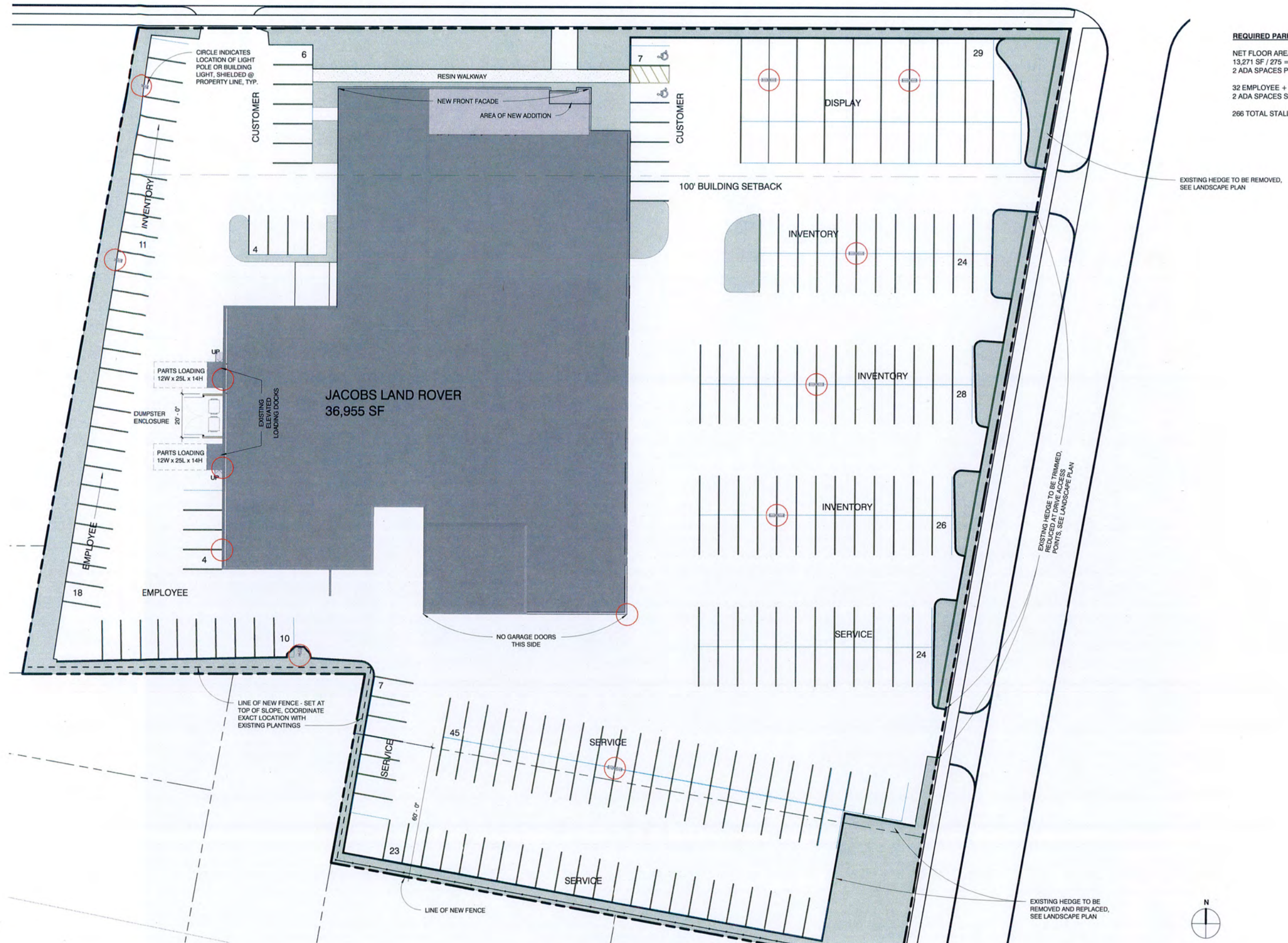
No.	Date	Revision Description	By:

KRISCH LAND SURVEYING, LLC
PROFESSIONAL DESIGN FIRM LICENSE No. 184-006866
P.O. Box 929 • Plainfield, IL 60544 • Phone: 630.627.5589
Fax: 630.627.5594

SURVEYING — CONSULTING — CONSTRUCTION LAYOUT

Scale: 1" = 30' Drawn: MLK Chkd: GDK File# CAD File: 92120-2016

m.krisch@gdkls.com



Jacobs Land Rover

Architectural Site Plan

REQUIRED PARKING SPACES

NET FLOOR AREA / 275 =
13,271 SF / 275 = 49 SPACES
2 ADA SPACES PER IL STATE CODE

32 EMPLOYEE + 17 CUSTOMER = 49 SHOWN
2 ADA SPACES SHOWN

266 TOTAL STALL COUNT

— EXISTING HEDGE TO BE REMOVED,
SEE LANDSCAPE PLAN

EXISTING HEDGE TO BE TRIMMED,
REDUCED AT DRIVE ACCESS
POINTS, SEE LANDSCAPE PLAN

— EXISTING HEDGE TO BE
REMOVED AND REPLACED,
SEE LANDSCAPE PLAN



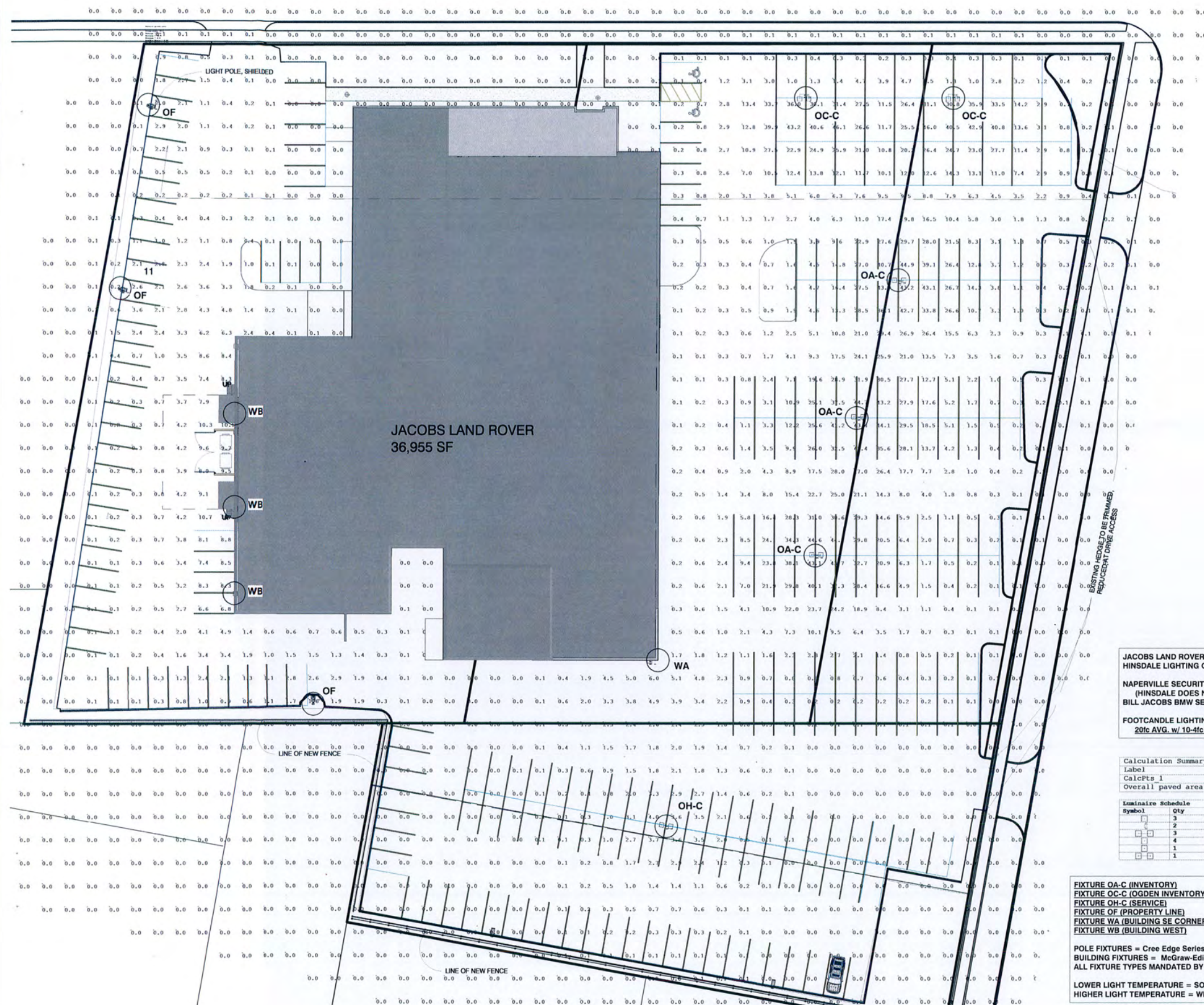
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JACOBS LAND ROVER LIGHTING LEVEL AT 100% = 2.56 fc AVG. (SEE SUMMARY BELOW)
HINSDALE LIGHTING ORDINANCE = 0.5fc OR LESS @ PROPERTY LINE

NAPERVILLE SECURITY LEVEL LIGHTING = 10fc MAX
(HINSDALE DOES NOT HAVE SECURITY LIGHTING ORDINANCE)
BILL JACOBS BMW SECURITY LEVEL LIGHTING = 2.5fc AVG.

FOOTCANDLE LIGHTING GUIDE PER ILLUMINATING ENGINEERING SOCIETY (IES) =
20fc AVG. w/ 10-4fc RANGE FOR AUTOMOTIVE SALES LOT

Calculation Summary					
Label	CalcType	Units	Avg	Max	Min
CalcPts 1	Illuminance	FC	2.56	46.1	0.0
Overall paved area	Illuminance	FC	4.67	46.1	0.0

Luminaire Schedule					
Symbol	Qty	Label	Arrangement	LLF	Description
OF	3	OF	SINGLE	0.900	CREE - ARS-EDG-3MB-DA-02-E-UL-STD-525-DIM
WB	2	WB	TWIN	0.900	CREE - ARS-RHO-AND-HV-24-E-UL-STD-700-DIM
WA	3	WA	BACK-BACK	0.900	CREE - ARS-RHO-SS-HV-24-E-UL-STD-700-DIM
OC-C	4	OC-C	SINGLE	0.900	MC GRAM EDISON - GWC-AF-02-LAD-E1-SL3
OA-C	1	OA-C	SINGLE	0.900	MC GRAM EDISON - GWC-AF-02-LAD-E1-SL4
OH-C	1	OH-C	BACK-BACK	0.900	CREE - ARS-EDG-3M-DA-04-E-UL-STD-350-DIM

FIXTURE OA-C (INVENTORY) Back-Back, 4000K, 30% dimming overnight, 59969 lm output
FIXTURE OC-C (ODGEN INVENTORY) Twin, 4000K, 30% dimming overnight, 35982 lm output
FIXTURE OH-C (SERVICE) Back-Back, 4000K, directional arm, 4418 lm output
FIXTURE OF (PROPERTY LINE) Single, 4000K, directional arm, 2489 lm output
FIXTURE WA (BUILDING SE CORNER) Single, 3000K, light spill control, 6983 lm output
FIXTURE WB (BUILDING WEST) Single, 3000K, light spill control, 7246 lm output

POLE FIXTURES = Cree Edge Series (LED)
BUILDING FIXTURES = McGraw-Edison GWC Galleon Wall Luminaire (LED)
ALL FIXTURE TYPES MANDATED BY LAND ROVER

LOWER LIGHT TEMPERATURE = SOFTER, YELLOWER LIGHT, APPEARS DIMMER (3000-4000K)
HIGHER LIGHT TEMPERATURE = WHITER LIGHT WITH TRUER COLOR REPRESENTATION, CLOSER TO DAYLIGHT (5000K+)

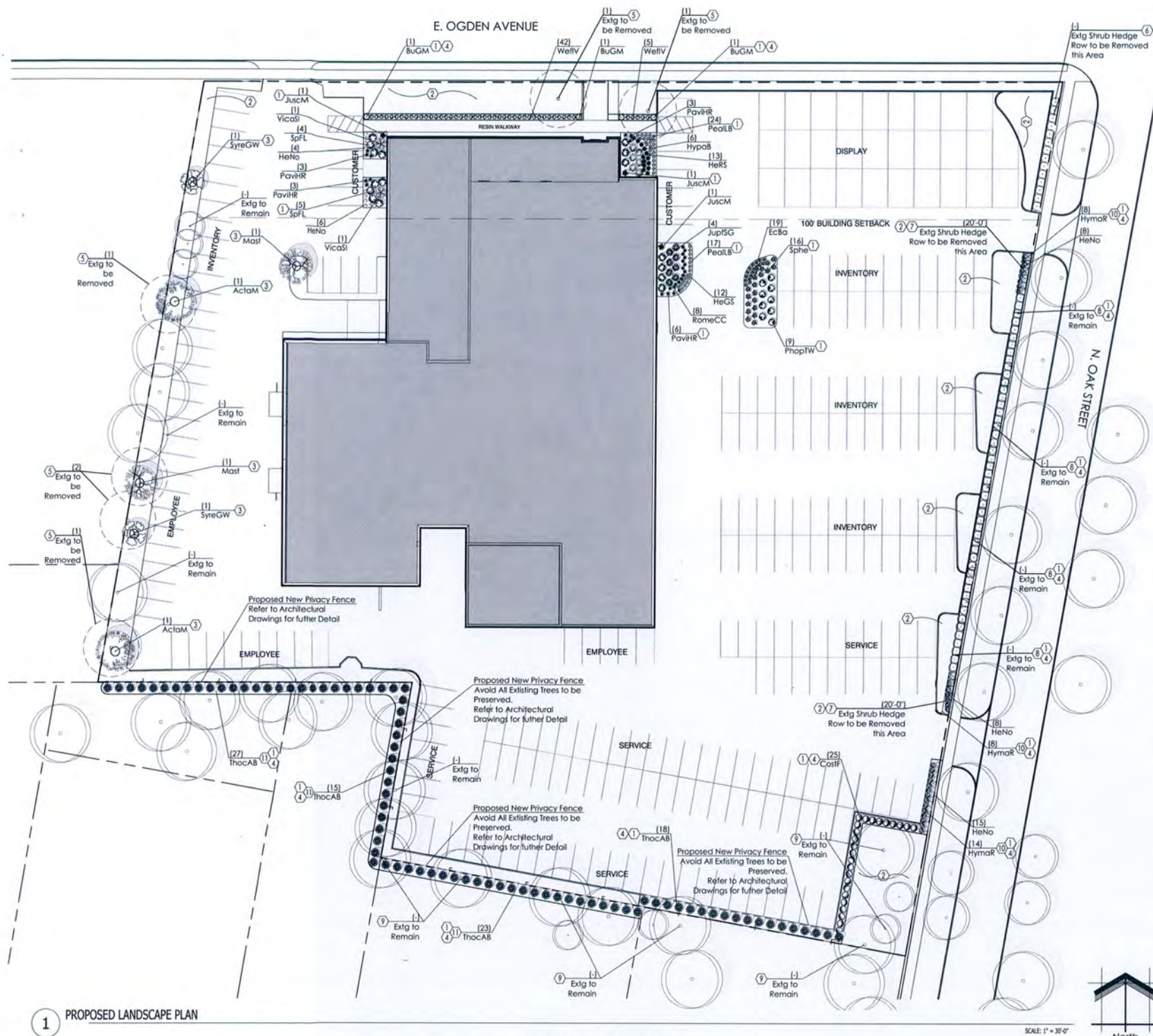
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Photometric Site Plan

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1 PROPOSED LANDSCAPE PLAN

Proposed Plant Material Table

Broadleaf Deciduous Tree					
Quantity	Code Name	Symbol	Scientific Name	Common Name	Planting Size
2	ActoM		Acer tataricum subsp. ginnala 'Mandy'	Red Rhapsody Amur Maple	2 1/2'-Cal - B&B
2	Mast		Magnolia stellata	Star magnolia	2 1/2'-Cal - B&B
2	SyreGW		Syringa reticulata subsp. pekinensis 'Great Wolf'	Great Wall Tree Lilac	2 1/2'-Cal - B&B
-	Extg		Existing to Remain	Existing to Remain	Existing
6	Extg		Existing to be Removed	Existing to be Removed	Existing
Broadleaf Deciduous Shrub					
Quantity	Code Name	Symbol	Scientific Name	Common Name	Planting Size
25	Cotf		Camus stolonifera 'Farrow'	Arctic Fire Red Twig Dogwood	18" - 24" - Cont
30	HymaR		Hydrangea macrophylla 'Robert'	Let's Dance Moonlight Hydrangea	18" - Cont
6	HypaB		Hydrangea paniculata 'Bobo'	Bobo Hardy Hydrangea	18" - 24" - Cont
9	PhopTW		Physocarpus opulifolius 'SMPOIW'	Tiny Wine Ninebark	18" - Cont
8	RomeCC		Rosa 'Meiriansol'	Candy Cane Cocktail Rose	18" - 24" - Cont
9	SpFL		Spiraea x 'Fire Light'	Fire Light Spiraea	18" - Cont
2	VicaSi		Viburnum carlesii 'J.N. Select A'	Spice Island Koreanspice viburnum	24" - 30" - B&B
47	WetIV		Weigela florida 'Verveig'	My Monet Weigela	15" - 18" - Cont
-	Extg		Existing to Remain	Existing to Remain	Existing
-	Extg		Existing to be Removed	Existing to be Removed	Existing

Conifer Evergreen Shrub					
Quantity	Code Name	Symbol	Scientific Name	Common Name	Planting Size
3	JuscM		Juniperus scopulorum 'Medora'	Medora Juniper	3' - 4' - B&B
7	JupISG		Juniperus x pfitzeriana 'MonSan'	Sea of Gold Juniper	18" - 24" - B&B
83	ThocAB		Thuja occidentalis 'Art Boe'	North Pole Arborvitae	6' - B&B
Broadleaf Evergreen Shrub					
Quantity	Code Name	Symbol	Scientific Name	Common Name	Planting Size
4	BuGM		Buxus 'Green Mountain'	Green Mountain Boxwood	24" - 30" - Cont
Perennial Grass					
Quantity	Code Name	Symbol	Scientific Name	Common Name	Planting Size
15	PavHR		Panicum virgatum 'Hot Rod'	Hot Rod Switch Grass	1-Gal - Cont
41	PealB		Pennisetum alopecuroides 'Little Bunny'	Little Bunny Fountain Grass	1-Gal - Cont
18	Sphe		Sporobolus heterolepis	Prairie Dropseed	1-Gal - Cont
Perennial					
Quantity	Code Name	Symbol	Scientific Name	Common Name	Planting Size
19	EcBa		Echinacea x 'Balsomised'	Sambro Salsa Red Coneflower	1-Gal - Cont
41	HeNo		Hemerocallis x 'Nasferatu'	Traphylaker Nasferatu Daylily	4 1/2' pot
13	HeRS		Hemerocallis x 'Ruby Spider'	Ruby Spider Daylily	4 1/2' pot
12	HeGS		Heuchera x hybrida 'Grape Soda'	Grape Soda Coral Bells	1-Gal - Cont

LANDSCAPE PLAN GENERAL NOTES

- ** PLANT MATERIAL SHOWN ON LANDSCAPE PLAN IS DEPICTED AT MATURE GROWTH. **
- AT LEAST SEVENTY-TWO HOURS PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL VERIFY UTILITY LOCATIONS AS GIVEN BY THE ELECTRIC, GAS, TELEPHONE, WATER, SEWER, AND CABLE TELEVISION COMPANIES. UTILITIES OR ENTITIES. REVIEW WITH OWNER'S REPRESENTATIVE SITE MECHANICAL, SITE ELECTRICAL AND LIGHTING, SITE GRADING AND DRAINAGE, SITE IRRIGATION AND ALL OTHER DRAWINGS PERTAINING TO UNDERGROUND UTILITY LOCATIONS, RECORD SET OF INFORMATION THE SAME AS IN POSSESSION OF OWNER'S REPRESENTATIVE. ALSO REVIEW OWNER'S "MARK SETS" OF ALL OF THESE DRAWINGS IN POSSESSION OF THE CONTRACTOR OR OWNER. MARK ALL SUCH UTILITIES ON THE SITE PRIOR TO COMMENCING. COORDINATE WITH OWNER BEFORE AND DURING CONSTRUCTION. REPAIR ANY DAMAGE TO ANY SYSTEM THAT IS CAUSED BY LANDSCAPE CONTRACTOR AT NO COST TO OWNER.
 - ALL PLANTINGS SPECIFIED FOR THE JACOBS LAND ROVER PROJECT PLANTING TABLES SHALL COMPLY WITH STANDARDS AS DESCRIBED IN AMERICAN STANDARD OF NURSERY STOCK, ANSI Z60.1 2014 AND ANSI STANDARDS FOR PLANTING 2012.
 - ALL DEVIATIONS FROM THE APPROVED JACOBS LAND ROVER PROJECT PLANS SHALL BE NOTED ON THE RECORD DRAWINGS. BY THE CONTRACTOR AND MAY BE EXECUTED ONLY WITH PRIOR APPROVAL FROM THE LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE. VERBAL AGREEMENTS OR REVISIONS WITHOUT A CHANGE ORDER WILL NOT BE RECOGNIZED BY LANDSCAPE ARCHITECT AND OWNER.
 - ALL PLANTS MUST BE BID AND SELECTED PER THE SPECIES SPECIFIED ON THE PLANS. THE SIZES OF PLANT MATERIAL LISTED HEREIN IS A MINIMUM ACCEPTABLE SIZE. ADDITIONALLY, IF EXCESSIVE PRUNING REDUCES THE CROWN THE PLANT SHALL BE REPLACED.
 - PROTECT PUBLIC FROM CONSTRUCTION WITH BARRIERS AND BARRICADES.
 - ALL AREAS THAT WERE DISTURBED DURING CONSTRUCTION AND AREAS NOT COVERED WITH PAVEMENT, BUILDING, PLANTING BEDS, OR TREE PITS ARE TO BE TOPSOILED 3" DEEP (MIN.) AND SHALL BE SODDED/SEEDED WITH SPECIFIED LAWN GRASS. LANDSCAPE CONTRACTOR SHALL INCLUDE COST PER SQUARE YARD FOR ADDITIONAL SEED OPERATIONS AS MAY BE POSSIBLY REQUIRED TO REESTABLISH ADJACENT TURF GRASS AREAS WHICH MAY BECOME DAMAGED DURING THE CONSTRUCTION PROCESS OR TO REPAIR DAMAGE DONE BY OTHERS.
 - CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL MATERIALS, TOOLS, EQUIPMENT, LABOR, AND PLANTS NECESSARY FOR PROPER PLANTING AND INSTALLATION OF ALL LANDSCAPE MATERIAL.
 - QUANTITIES ON PLANT MATERIALS LIST ARE FOR CONVENIENCE OF BIDDING ONLY. CONTRACTOR IS RESPONSIBLE FOR ALL PLANTS SHOWN ON LANDSCAPE PLANS AND COVERAGE OF ALL AREAS Delineated. THE PLANS ARE TO SUPERSEDE THE PLANT LIST IN ALL CASES.
 - CONTRACTOR IS RESPONSIBLE FOR ALL ESTIMATING AND BIDDING. ALL AREAS, QUANTITIES MATERIALS SHOULD BE FIELD VERIFIED WITH SITE CONDITIONS.
 - WHERE DISCREPANCIES OCCUR BETWEEN THE LANDSCAPE PLANS AND/OR ARCHITECTURAL AND/OR THE CIVIL DRAWINGS (AND ANY OTHER SITE DRAWINGS) THE DISCREPANCIES MUST BE BROUGHT TO THE LANDSCAPE ARCHITECT'S ATTENTION FOR COORDINATION AND RESOLUTION.
 - ALL DISEASED, NOXIOUS OR INAPPROPRIATE MATERIALS SHALL BE REMOVED FROM THE PROPOSED SITE PRIOR TO THE START OF CONSTRUCTION AND DURING THE MAINTENANCE PERIOD.
 - GENERAL CONTRACTOR SHALL LEAVE THE SITE FREE OF CONSTRUCTION DEBRIS.
 - ALL LAWN AND PLANTING AREAS SHALL SLOPE TO DRAIN A MINIMUM OF 2% UNLESS NOTED OTHERWISE AND REVIEWED WITH OWNER'S REPRESENTATIVE FOR FINAL APPROVAL.
 - FINISH GRADES FOR SHRUB AND GROUND COVER AREAS SHALL BE HELD 1" BELOW TOP OF ADJACENT PAVEMENTS AND CURBS, UNLESS NOTED OTHERWISE ON THE PLANS. REFER TO LSP1.2 FOR FURTHER INFORMATION.
 - ALL PERENNIAL ANNUAL AND GROUND COVER AREAS TO RECEIVE A BLEND OF ORGANIC SOIL AMENDMENTS PRIOR TO PLANTING. TILL THE FOLLOWING MATERIALS INTO EXISTING TOPSOIL TO A DEPTH OF APPROXIMATELY 8". A DEPTH OF 12" IN TREE PITS. PROPORTIONS AND QUANTITIES MAY REQUIRE ADJUSTMENT DEPENDING ON THE CONDITION OF EXISTING SOIL. REFER TO LSP1.2 FOR FURTHER INFORMATION.
- PER EVERY 100 SQUARE FEET ADD:
- ONE - 2 CUBIC FOOT BALE OF PEAT MOSS. 2 POUNDS OF 5-10-5 GARDEN FERTILIZER. 1/4 CUBIC YARD OF COMPOSTED MANURE OR OTHER COMPOSTED ORGANIC MATERIAL.
- ALL SHRUBS TO BE POCKET PLANTED WITH A 50/50 MIX OF COMPOSTED, ORGANIC MATERIAL AND EXISTING SOIL. INSTALL TOPSOIL INTO ALL BEDS AS NEEDED TO ACHIEVE PROPER GRADE. REMOVE ALL EXCESSIVE GRAVEL, CLAY AND STONES. REFER TO LSP1.2 FOR FURTHER INFORMATION.
 - PLANT ALL TREES SLIGHTLY HIGHER THAN FINISHED GRADE AT ROOT FLARE. BACK FILL HOLE WITH 2/3 EXISTING TOPSOIL AND ORGANIC SOIL AMENDMENTS SPECIFIED IN NOTE 15. AVOID ANY AIR POCKETS. DISCARD ANY GRAVEL, CLAY OR STONES. REFER TO LSP1.2 FOR FURTHER INFORMATION.
 - ALL TREES TO BE INSTALLED, STAKED AND GUYED ACCORDING TO DETAILS. REFER TO ANSI STANDARDS FOR PLANTING 2012 AND DETAILS ON LSP1.2 FOR FURTHER INFORMATION.
 - PROVIDE A 4'-0" - 5'-0" DIAMETER MULCH RING ALL LAWN TREES.
 - ALL PLANTINGS TO BE WATERED AT THE TIME OF PLANTING, THROUGHOUT CONSTRUCTION AND UPON COMPLETION OF PROJECT AS REQUIRED.
 - WHERE SPECIFIED, ALL PLANT BEDS, PITS AND TREE RINGS ARE TO RECEIVE A MINIMUM OF 2-3" DRESSING OF SHREDDED HARDWOOD OAK BARK MULCH SHAVINGS FREE OF GROWTH, WEEDS, FOREIGN MATTER DETRIMENTAL TO PLANT LIFE OR GERMINATION INHIBITING INGREDIENTS. LANDSCAPE CONTRACTOR TO PROVIDE A SAMPLE TO OWNER FOR APPROVAL. CONTRACTOR TO TAKE CARE WITH INSTALLATION NOT TO DAMAGE OR COVER PLANTS. REFER TO LSP1.2 FOR FURTHER INFORMATION.
 - LAWN INSTALLATION: CONTRACTOR TO FURNISH AND PREPARE TOPSOIL (3" MIN) AND SEED BED (REMOVE ALL STONES 1" OR LARGER). APPLY STARTER FERTILIZER AND SEED UNIFORMLY. PROVIDE A MULCH COVERING SUITABLE TO GERMINATE AND ESTABLISH TURF. EROSION CONTROL MESH SHOULD BE USED IN SWALES AND STEEP GRADES WHERE APPLICABLE. METHODS OF INSTALLATION MAY VARY AT THE DISCRETION OF CONTRACTOR. IT IS HIS/HER RESPONSIBILITY TO ESTABLISH AND GUARANTEE A SMOOTH, UNIFORM, QUALITY TURF. IF STRAW MULCH IS USED AS A COVERING, A TACKIFIER MAY BE NECESSARY TO AVOID WIND DAMAGE.
 - REQUIRED SEED MIXES:
- PREMIUM 60 GRASS SEED MIX REINDER'S (847) 573-3300**
- 20% AMERICAN KENTUCKY BLUE GRASS
 - 20% ALPINE KENTUCKY BLUE GRASS
 - 20% LANAGARA KENTUCKY BLUE GRASS
 - 20% VICTORY CHEWINGS FESCUE
 - 10% FIESTA III PERENNIAL RYE GRASS
 - 10% CUTTER PERENNIAL RYE GRASS
- APPLY AT A RATE OF 175 POUNDS PER ACRE. REFER TO SUPPLIERS SPECIFICATIONS AND INSTALLATION CUT SHEETS FOR FURTHER INFORMATION
- DURING THE INITIAL "30 DAY MAINTENANCE PERIOD" THE LANDSCAPE CONTRACTOR IS REQUIRED TO PROVIDE AND ON-GOING PLEASANT VISUAL ENVIRONMENT WHEREAS ANY PLANT WHICH IS NOT RESPONDING TO TRANSPLANTING OR THRIVING SHALL IMMEDIATELY BE REPLACED. NEW LAWNS SHALL WATERED AND REPAIRED AND WEEDS MUST BE REMOVED. NO EXCEPTIONS WILL BE GRANTED.
 - ALL NEWLY PLANTED TREES AND SHRUBS ARE TO RECEIVE AN APPLICATION OF AN ANTI-TRANSPIRANT SPRAY THAT WILL EFFECTIVELY REDUCE THE WATER LOSS OF TRANSPIRATION OF PLANT MATERIAL AND REDUCE THE STRESS OF TRANSPLANTATION. IT IS RECOMMENDED AS PART OF THE ONGOING MAINTENANCE THAT ANY BROADLEAF EVERGREEN AND CONIFEROUS TREE AND SHRUBS (EXCLUDING ARBORVITAE) RECEIVE AN APPLICATION OF AN ANTI-DESICANT SPRAY TO REDUCE THE LOSS OF MOISTURE DUE TO WINTER DESICCATION.
 - MAINTENANCE: THE OWNER SHALL TEND AND MAINTAIN ALL PLANT MATERIALS IN A HEALTHY GROWING CONDITION AS PER THE APPROVED PLAN. PLANTINGS SHALL BE REPLACED WHEN NECESSARY AND KEPT FREE FROM REFUSE & DEBRIS. ALL PLANTING MATERIAL WHICH IS DYING OR DAMAGED BEYOND RECOVERY SHALL BE REPLACED WITHIN SIX (6) MONTHS OR BY THE NEXT PLANTING SEASON, WHICHEVER COMES FIRST.
- MAINTENANCE NOTE:**
- MAINTENANCE IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO MAINTAIN REQUIRED LANDSCAPING IN ACCORDANCE WITH THE MUNICIPALITY'S PROPERTY MAINTENANCE CODE AND AN APPROVED MAINTENANCE PLAN. THE MAINTENANCE MUST INCLUDE, AT A MINIMUM, METHODS FOR PROVIDING THE FOLLOWING:
- NECESSARY IRRIGATION (IF REQUIRED)
 - INTEGRATED PEST MANAGEMENT.
 - PROPER FERTILIZATION
 - TREE CARE AND PRUNING, SHRUB TIP CLIPPING AND SHAPING AS REQUIRED.
 - REPLACEMENT OF LOST VEGETATION, AND ALL DISEASED, DAMAGED, OR DEAD MATERIAL WILL BE REPLACED BY THE END OF THE FOLLOWING PLANTING SEASON IN PERPETUITY.
 - WEED MANAGEMENT AND BED CARE.
- LANDSCAPE / SITE DEMOLITION CONTRACTOR TO VERIFY LOCATIONS OF EXISTING TREES AND SHRUBS BE SALVAGED AND CLEARLY TAG THEM WITH MARKING TAPE AND CONSTRUCTION FENCE.

CODED NOTES

- LANDSCAPE / SITE DEMOLITION CONTRACTOR TO VERIFY LOCATIONS OF EXISTING TREES TO BE SALVAGED AND CLEARLY TAG THEM WITH MARKING TAPE AND CONSTRUCTION FENCE. LANDSCAPE INSTALLATION CONTRACTOR TO COORDINATE INSTALLATION OF NEW PLANT MATERIAL AND THE COORDINATION WITH EXISTING TREES TO BE SALVAGED.
- MULCH BED AREA. DRESS WITH 2"-3" OF SHREDDED HARDWOOD BARK MULCH. TAKE CARE WITH INSTALLATION NOT TO DAMAGE OR COVER PLANTS. REFER TO GENERAL NOTES AND SPECIFICATIONS FOR FURTHER INFORMATION.
 - SEEDED AREAS OF TURF GRASS. REPAIR ANY AND ALL TURF DAMAGE FROM THE CONSTRUCTION PROCESS AS REQUIRED. IT IS VERY IMPORTANT TO FOLLOW THE MANUFACTURERS INSTALLATION INSTRUCTIONS REGARDING THE TURF GRASS FOR PROPER GERMINATION AND SURVIVABILITY OF THE SEED MIX. ALSO REFER TO GENERAL NOTES FOR PREPARATION OF TOP SOIL AND SEED INSTALLATION. REFER TO GRADING PLAN FOR FURTHER INFORMATION. ALSO REFER TO GENERAL NOTES AND SPECIFICATIONS FOR FURTHER INFORMATION.
 - MULCHED 4'-0" DIA. TREE RING BED AREA w/ EARTHEN BED EDGE (SHOVEL POINT) LANDSCAPE EDGE AS REQUIRED. DRESS WITH 2"-3" OF SHREDDED HARDWOOD BARK MULCH. REFER TO LSP1.2, GENERAL NOTES AND SPECIFICATIONS FOR FURTHER INFORMATION.
 - EARTHEN BED EDGE (SHOVEL POINT) LANDSCAPE EDGE. TYPICAL ALL PLANT MATERIAL AREAS. DRESS WITH 2"-3" OF SHREDDED HARDWOOD BARK MULCH. REFER TO GENERAL NOTES AND SPECIFICATIONS FOR FURTHER INFORMATION.
 - REMOVE EXISTING TREE IN ITS ENTIRETY. GRIND STUMP AND ROOT FLARE TO 12" BELOW GRADE, MINIMUM. REMOVE ALL DEBRIS AND ROOTS AS REQUIRED AND REPAIR TURF AND PREP FOR NEW TURF OR PLANTING BED AS REQUIRED. REFER TO DETAIL FOR 4' LSP1.2 FOR TREE PROTECTION DETAIL.
 - REMOVE EXISTING BROADLEAF DECIDUOUS SHRUB ROW IN THIS AREA IN ITS ENTIRETY. REMOVE /GRIND STUMPS TO 12" BELOW GRADE, MINIMUM. REMOVE ALL DEBRIS AND ROOTS AS REQUIRED AND REPAIR ADJACENT TURF AND PREP FOR NEW TURF AS REQUIRED.
 - REMOVE EXISTING BROADLEAF DECIDUOUS SHRUB ROW FOR THE FIRST 10'-0" AWAY FROM THE CURB CUT DRIVE LANE IN ITS ENTIRETY. REMOVE /GRIND STUMPS TO 12" BELOW GRADE, MINIMUM. REMOVE ALL DEBRIS AND ROOTS AS REQUIRED AND REPAIR ADJACENT TURF AND PREP FOR NEW TURF AS REQUIRED.
 - EXISTING BROADLEAF DECIDUOUS SHRUB ROW IN THIS AREA TO REMAIN. SHRUBS TO BE PROPERLY THINNED AND PRUNED TO A HEIGHT OF 60" ABOVE GRADE.
 - EXISTING BROADLEAF DECIDUOUS TREES TO REMAIN. TREES IN THIS AREA ARE TO BE PROPERLY PRUNED TO REMOVE ANY HAZARDOUS BRANCHES AND PROMOTE AND ENCOURAGE STRONG AND HEALTHY GROWTH.
 - REPLACE LOW SHRUB BORDER THIS AREA. REFER TO PLANT TABLE FOR FURTHER INFORMATION
 - PLANT MATERIAL TO BE INSTALLED BY LAND ROVER OFF PROPERTY ONTO CITY OWNED OR PRIVATE RESIDENTIAL PROPERTY AS DEPICTED THUS. THE MAINTENANCE AND WATERING, INCLUDING WATERING FOR INITIAL PLANT MATERIAL ESTABLISHMENT IS TO BE THE RESPONSIBILITY OF THE CITY /PRIVATE RESIDENCES. REPLACEMENT OF NEWLY INSTALLED PLANT MATERIAL INSTALLED OFF PROPERTY ONTO CITY OWNED OR PRIVATE RESIDENTIAL PROPERTY FOR DYING, DAMAGED BEYOND RECOVERY OR DEAD IS THE RESPONSIBILITY OF THE CITY /PRIVATE RESIDENCES.



TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN ILLINOIS, THE ILLINOIS UNDERGROUND UTILITY FACILITIES DAMAGE PREVENTION ACT REQUIRES A MINIMUM OF 3 DAYS NOTICE BEFORE YOU EXCAVATE. (NOT INCLUDING SATURDAY, SUNDAY OR LEGAL HOLIDAYS)

UNDERGROUND SEWER AND UTILITY INFORMATION AS SHOWN IS OBTAINED FROM THE RECORDS OF MUNICIPALITY AND LOCAL UTILITY COMPANIES. THE ACCURACY OF WHICH CAN NOT BE GUARANTEED OR CERTIFIED TO.

THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THIS SURVEY ARE APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN ILLINOIS CALL THE CHICAGO UTILITY ALERT NETWORK 1-811-244-2000.

www.811call.com

OR



11525 W. North Avenue Suite 1B
Wauwatosa, WI 53226
Tel (414) 476-1204
www.insitelandscape.com
mdavis@insitelandscape.com

Project:

JACOBS LAND ROVER

336 Ogden Avenue
Hinsdale, IL 60521

Issuance and Revisions:

Date	Number	Description
08/14/17		Client Review Submittal
08/15/17		Plan Commission Submittal
08/24/17		Revisions Based on Client Comments
09/01/17		Revisions Based on Staff Comments / Construction Document Submittal
09/29/17		Additional Revisions Based on Staff & Client Comments
10/03/17		Additional Revisions Based on Neighborhood Meeting Comments

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Sheet Title:

PROPOSED LANDSCAPE PLAN,
GENERAL NOTES,
AND PLANT MATERIAL TABLE

Date of Drawing: 10/03/17
Scale: 1" = 30'-0"
Drawn By: MCD
Job Number: L17-053
Sheet Number:

LSP1.1
Attachment 1

Project:

**JACOBS
LAND ROVER**

 336 Ogden Avenue
 Hinsdale, IL 60521

Issuance and Revisions:

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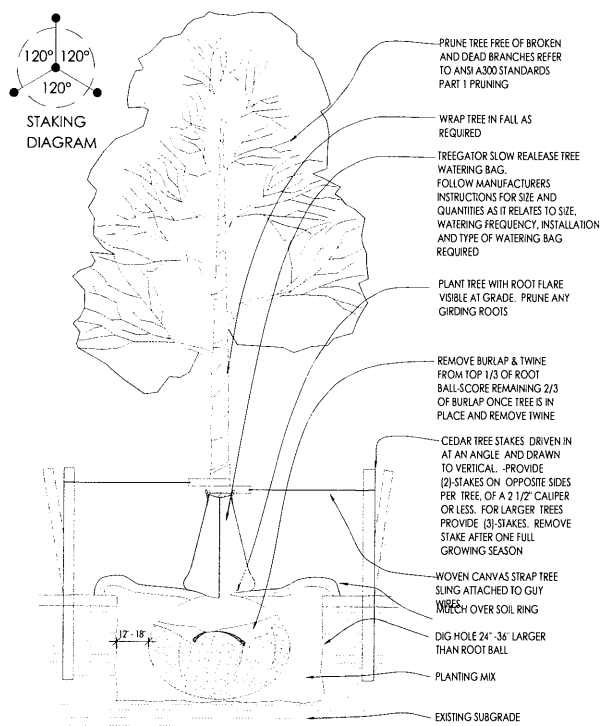
Sheet Title:

 PROPOSED LANDSCAPE PLAN,
 PLANTING DETAILS

Date of Drawing: 10/03/17
 Scale: As Noted
 Drawn By: MCD
 Job Number: L17-053
 Sheet Number:

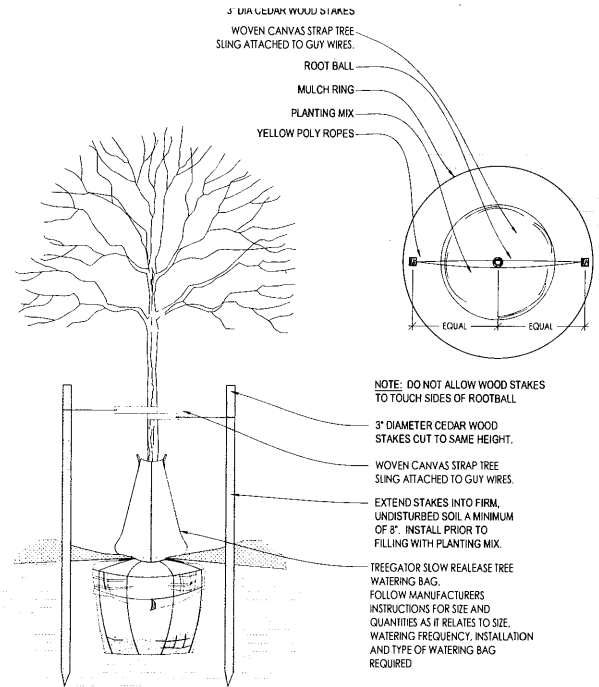
LSP1.2

Attachment 4



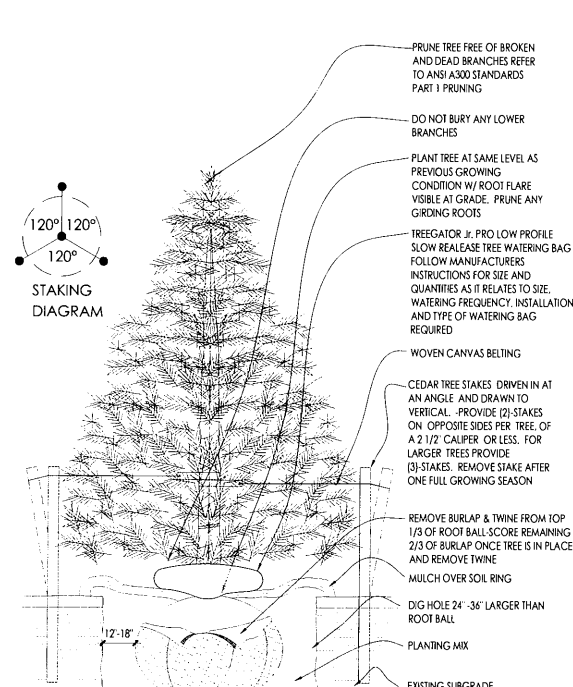
1 DECIDUOUS TREE PLANTING DETAIL

SCALE: NONE



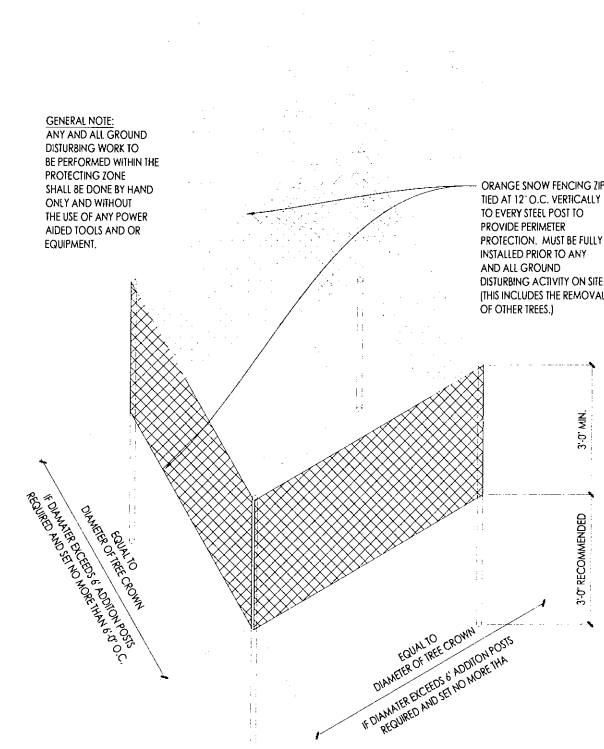
2 DECIDUOUS TREE STAKING PARKING ISLAND/RESTRICTED AREAS

SCALE: NONE



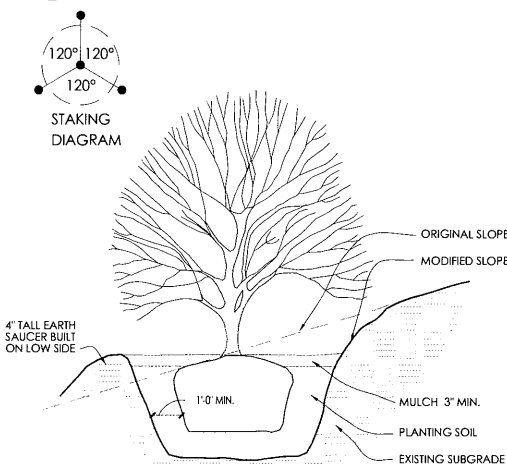
3 CONIFEROUS TREE PLANTING DETAIL

SCALE: NONE



4 EXISTING TREE PROTECTION DETAIL

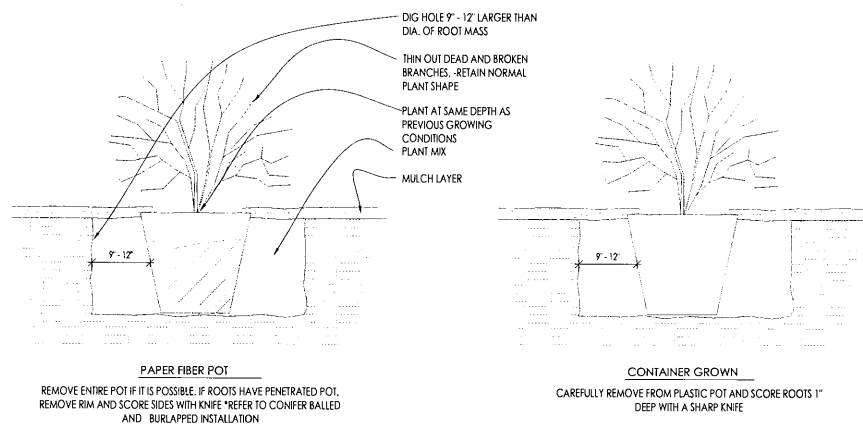
SCALE: NONE



5 SLOPE PLANTING DETAIL

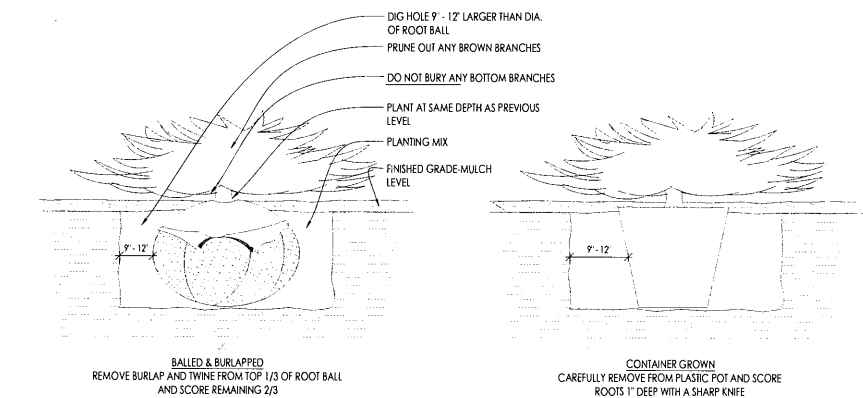
REFER TO TYPICAL DECIDUOUS TREE DETAIL FOR STAKING

SCALE: NONE



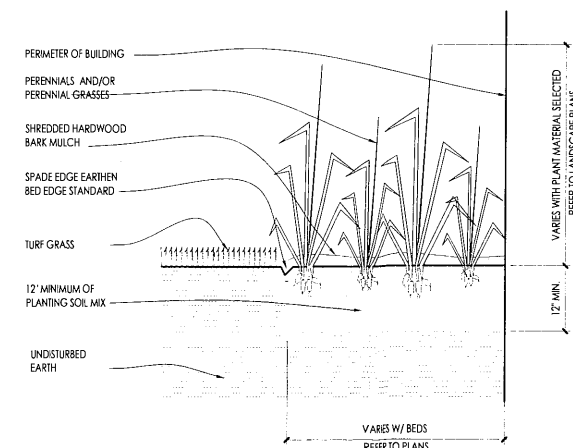
6 DECIDUOUS SHRUB PLANTING DETAIL

SCALE: NONE



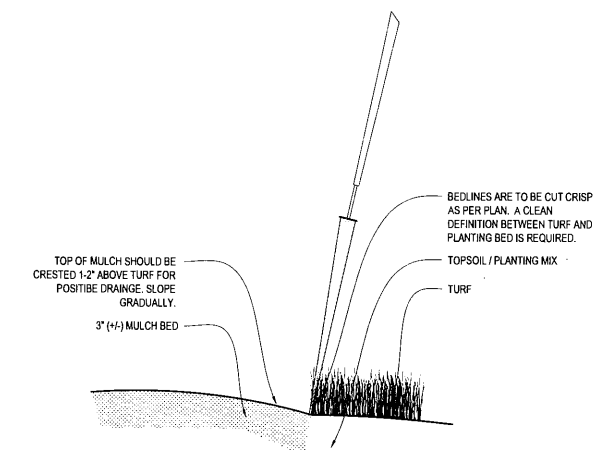
7 CONIFEROUS SHRUB PLANTING DETAIL

SCALE: NONE



8 PERENNIAL BED PLANTING DETAIL

SCALE: NONE

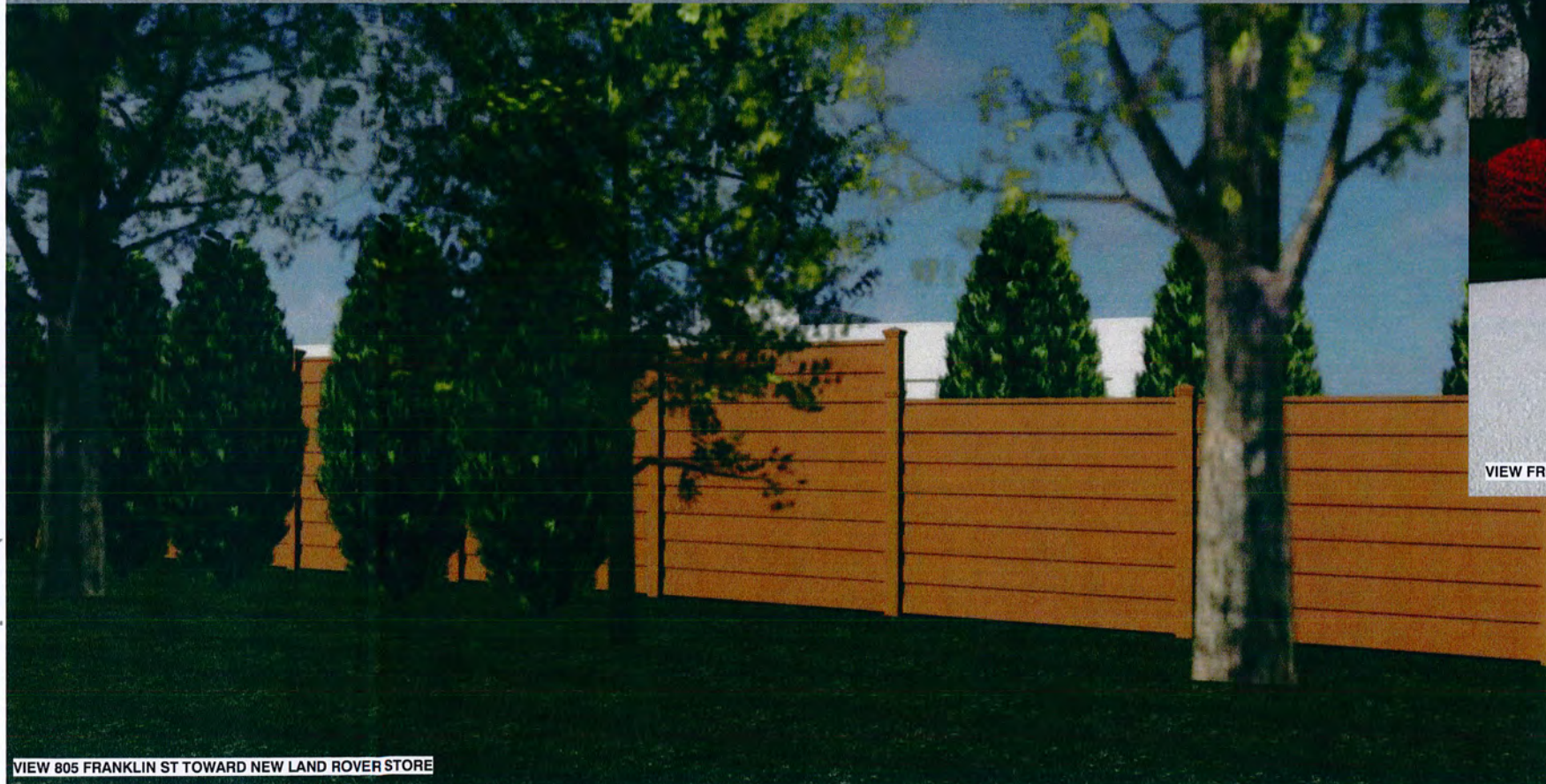


9 SPADE EDGE PLANT BED EDGE DETAIL

SCALE: NONE



VIEW FROM LOT TOWARD 808 N OAK ST



VIEW 805 FRANKLIN ST TOWARD NEW LAND ROVER STORE



VIEW FROM SE GREEN SPACE TOWARD 808 N OAK ST

Jacobs Land Rover

Fence - Composite (Trex)



THE REDMOND COMPANY
 • DESIGN • CONSTRUCTION
 • CONSULTING • MANAGEMENT
 W228 N745 Westmound Drive
 Waukesha, Wisconsin 53186
 tel 262.549.9600 fax 262.549.1314
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11.08.2017

17046



VIEW FROM LOT TOWARD 808 N OAK ST



VIEW 805 FRANKLIN ST TOWARD NEW LAND ROVER STORE



VIEW FROM SE GREEN SPACE TOWARD 808 N OAK ST

Jacobs Land Rover

Fence - STC-26 Acoustical Fence (SimTek)


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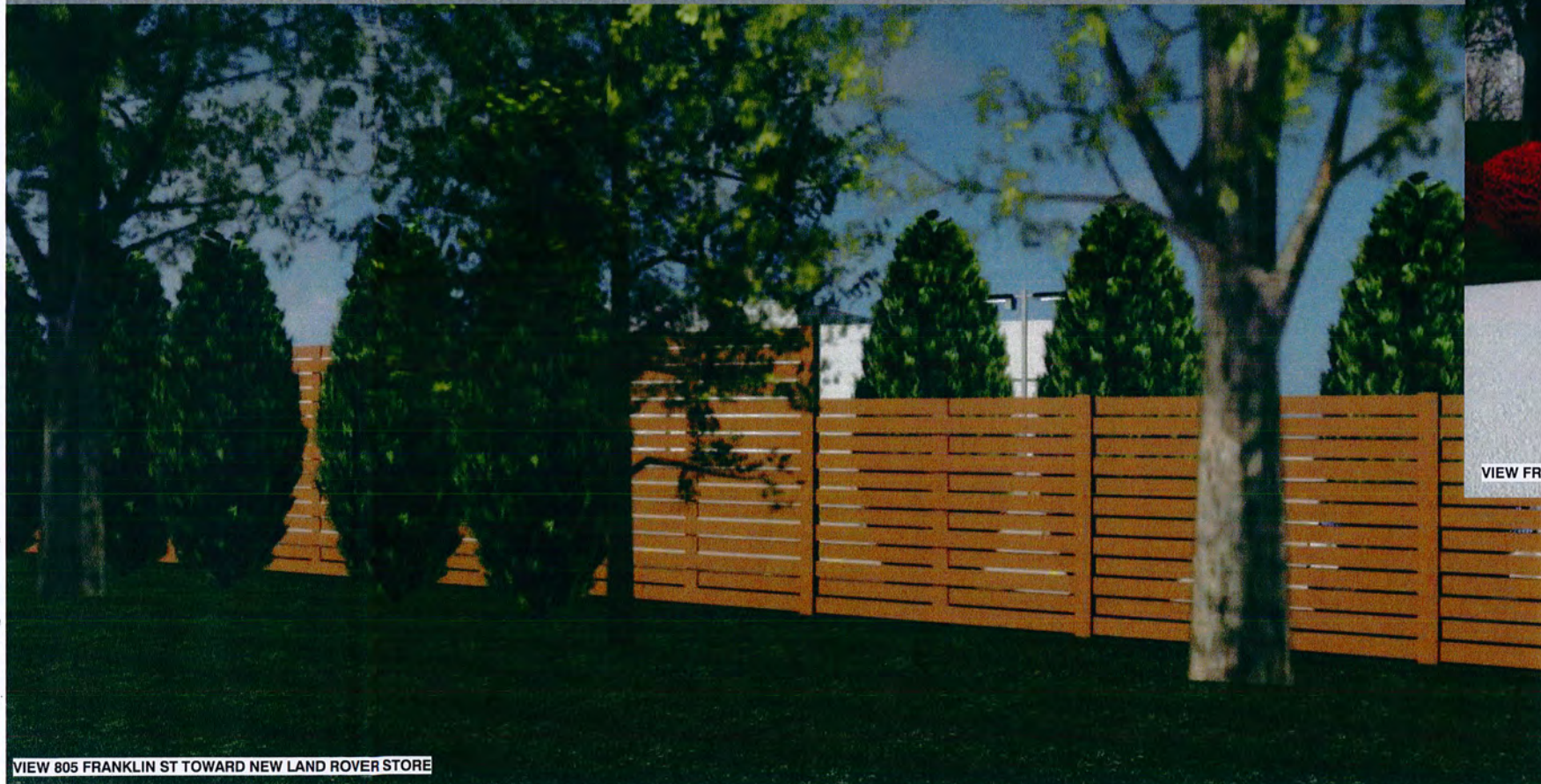
17046



VIEW FROM LOT TOWARD 808 N OAK ST



VIEW FROM SE GREEN SPACE TOWARD 808 N OAK ST



VIEW 805 FRANKLIN ST TOWARD NEW LAND ROVER STORE

Jacobs Land Rover

Fence - Cedar



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17046



**STUNNING BEAUTY
LIFETIME DURABILITY**

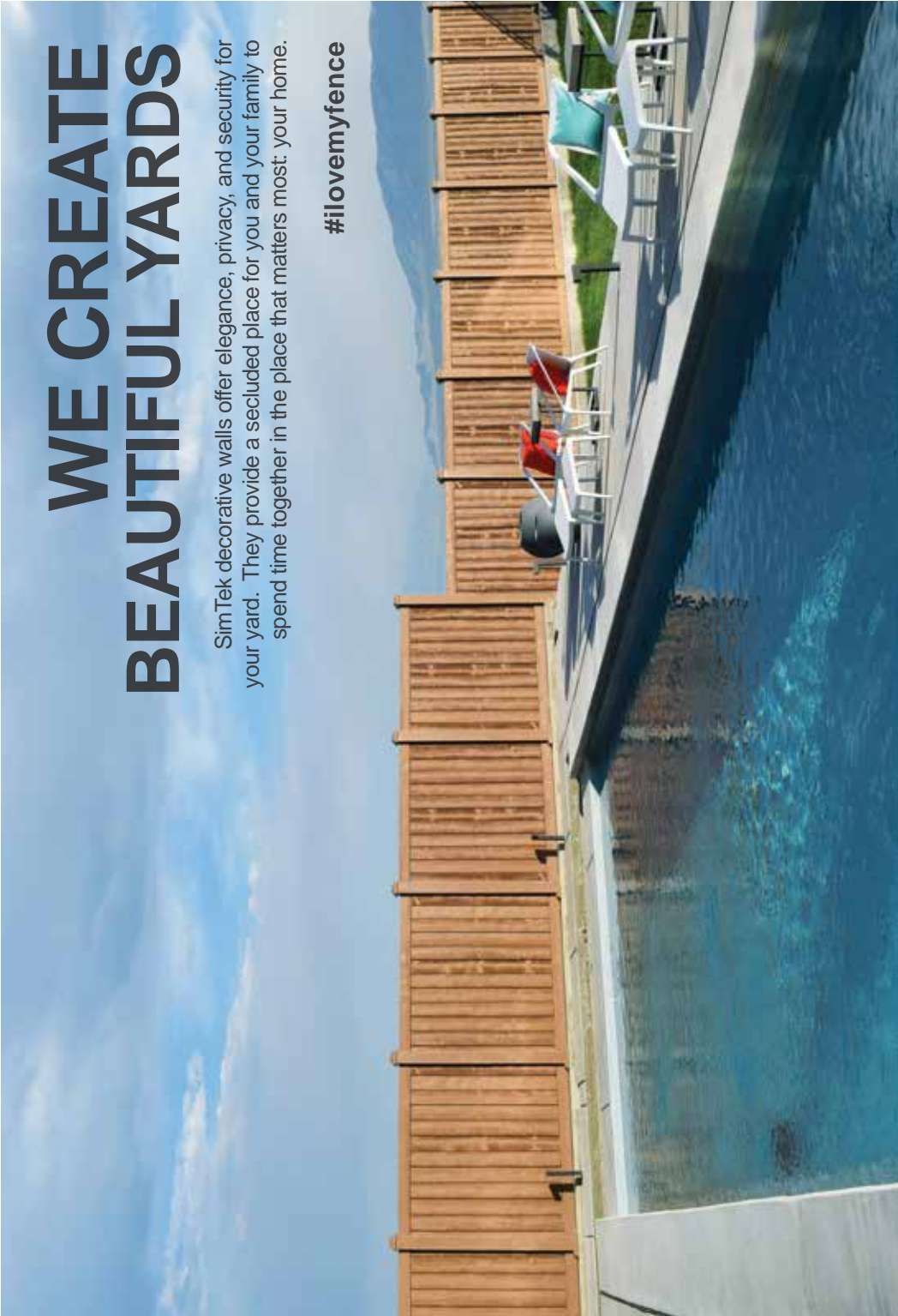
1.866.648.9336

www.simtekfence.com

Attachment 1



DREAM YARDS DON'T JUST HAPPEN,
THEY'RE BUILT ON A FOUNDATION
OF QUALITY AND TIMELESS DESIGN.



WE CREATE BEAUTIFUL YARDS

Sim Tek decorative walls offer elegance, privacy, and security for your yard. They provide a secluded place for you and your family to spend time together in the place that matters most: your home.

#ilovemyfence



PATENTED CONSTRUCTION

Sim Tek Fence has reinvented fence manufacturing with its patented design of rotationally-molded fence allowing realistic granite-stone appearance, dramatic wood texture, and superior performance.

EXTREMELY DURABLE

SimTek Fence is made with a proprietary blend of virgin and recycled polyethylene plastic and reinforced with galvanized steel. Our fence will withstand significant impact or wind-load without compromising aesthetics.




MAINTENANCE-FREE


Sim Tek Fence will never need painting or staining and will not warp, fade or crack. SimTek withstands temperatures from -40° F to +140° F, and is resistant to any negative organic process.

SOLID PRIVACY AND SECURITY


SimTek Fence provides exceptional privacy and security for your loved ones. So sit back, relax and enjoy the great outdoors.




MADE OF
STRONG LLDPE




SUPERIOR WIND
RATING




BLOCKS 98% OF
DIRECT SOUND




IMPACT
RESISTANT




FADE RESISTANT



ECO-FRIENDLY



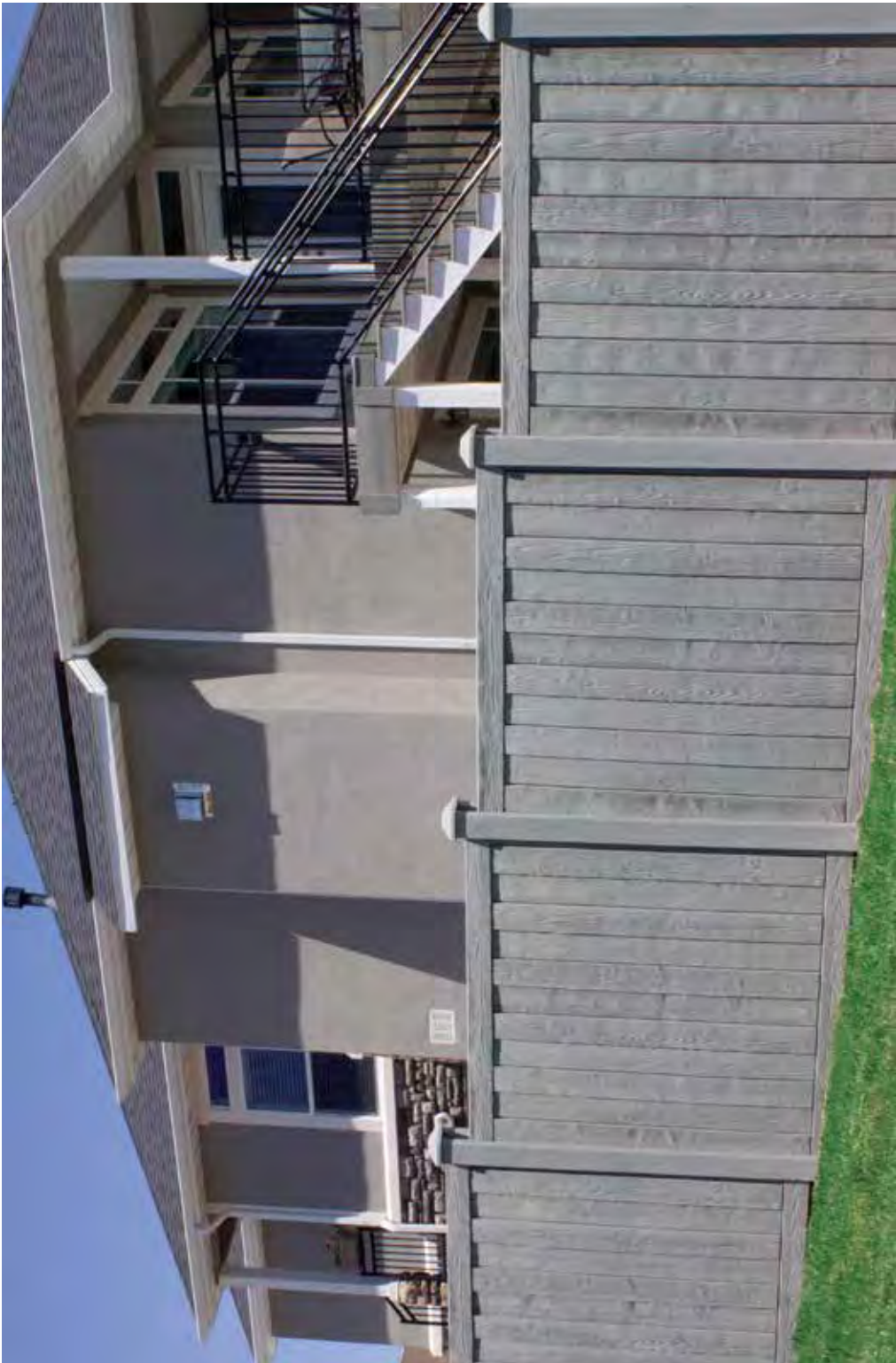
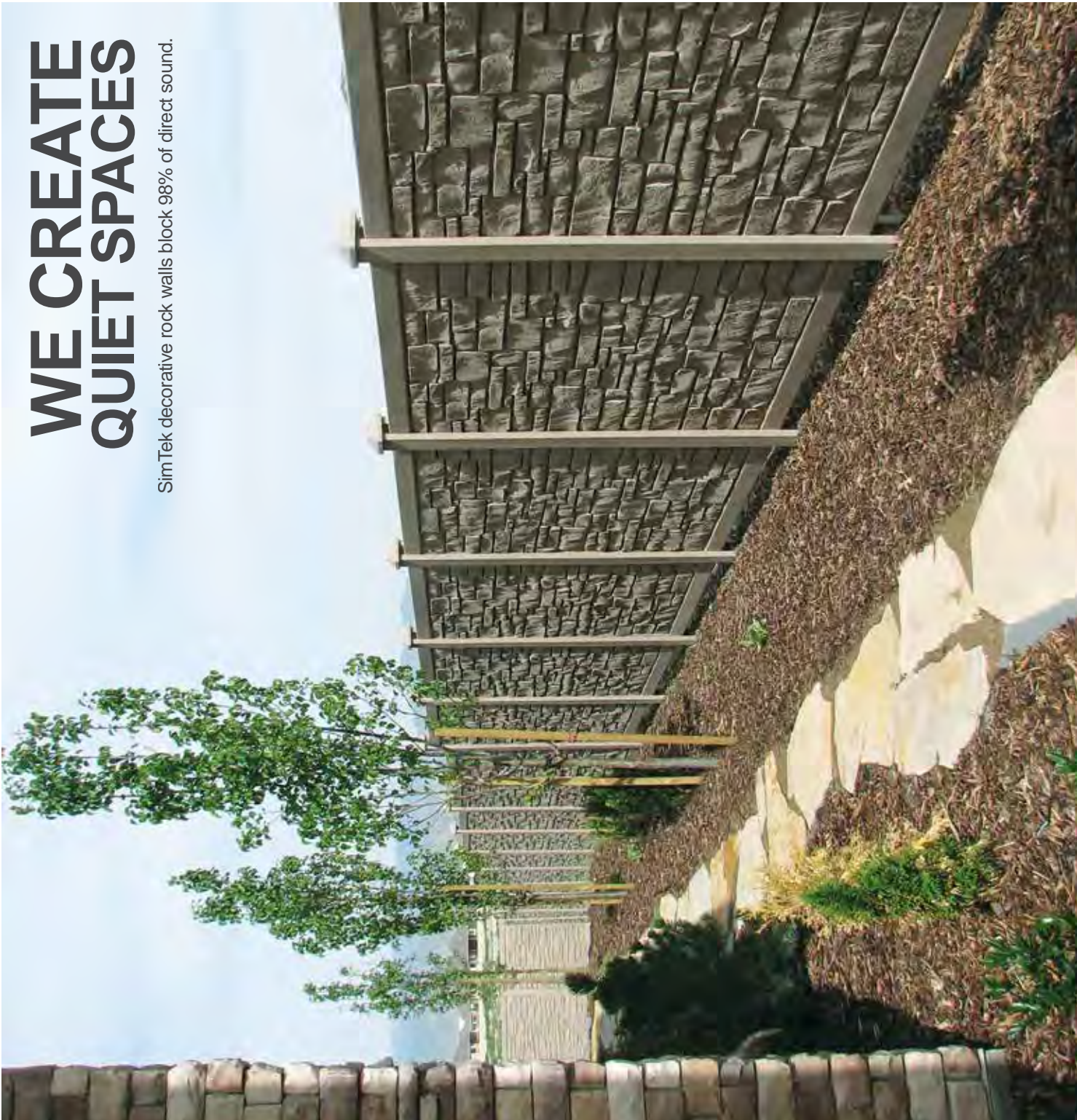
EASY INSTALLATION



MADE IN
THE USA

WE CREATE QUIET SPACES

SimTek decorative rock walls block 98% of direct sound.

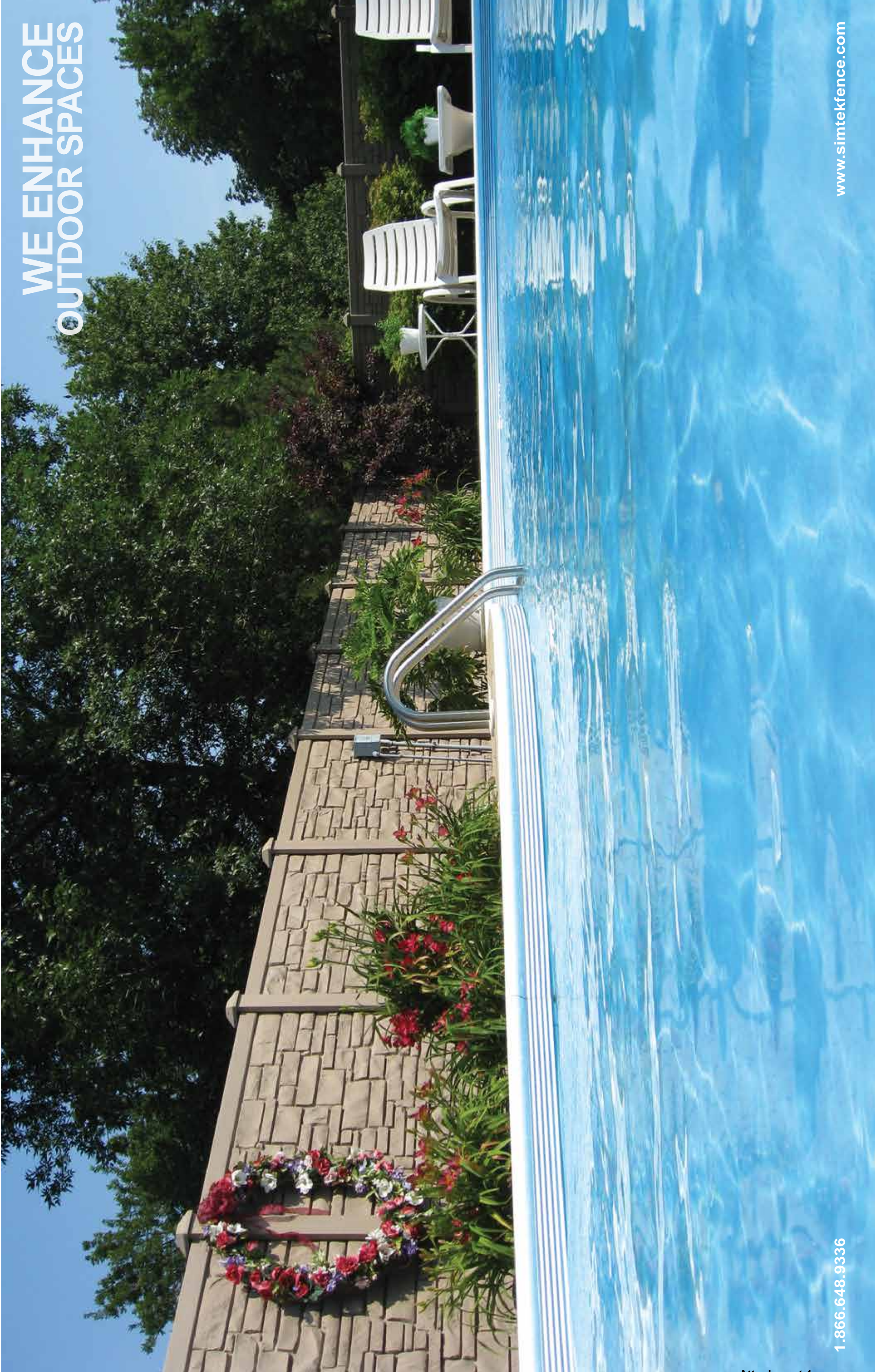


WE CREATE STRONG BARRIERS

SimTek's decorative rock walls have been tested to withstand constant hurricane winds of up to 110 MPH with gusts up to 130 MPH. Our walls are engineered with steel-reinforced polyethylene, making them extremely durable. They are fade-free and uniquely graffiti resistant.

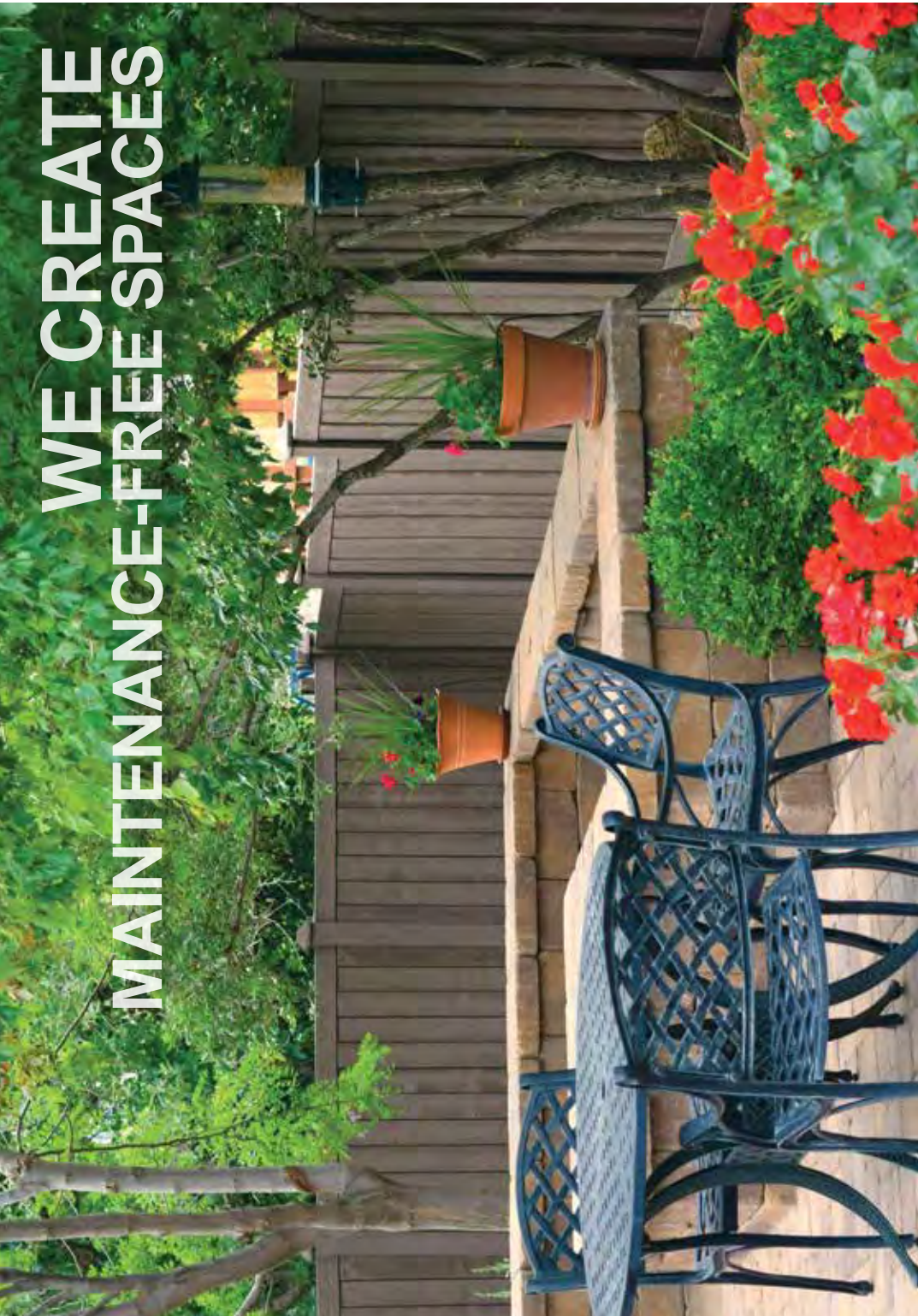


WE ENHANCE
OUTDOOR SPACES



1.866.648.9336

www.simtekfence.com



WE CREATE MAINTENANCE-FREE SPACES



THE ASHLAND COLLECTION FEATURES RICH COLORS AND DRAMATIC TEXTURE, WHICH GIVES OUR PANELS A REALISTIC WOOD APPEARANCE



Ashland panels are made from a proprietary blend of polyethylene and contain up to 25% recycled material. No trees are cut down for the purpose of manufacturing our fence.



Our panels contain UV-12 inhibitors for a lifetime of vibrant colors. Ashland polymers have been tested to withstand extreme weather conditions with little to no fading.



Ashland panels will never need painting or staining and will not warp, fade, or crack. SimTek withstands temperatures from -40° F to +140°F, and is resistant to any negative organic process.



Ashland panels have the same look on both sides, thus enhancing both you and your neighbor's outdoor living space.



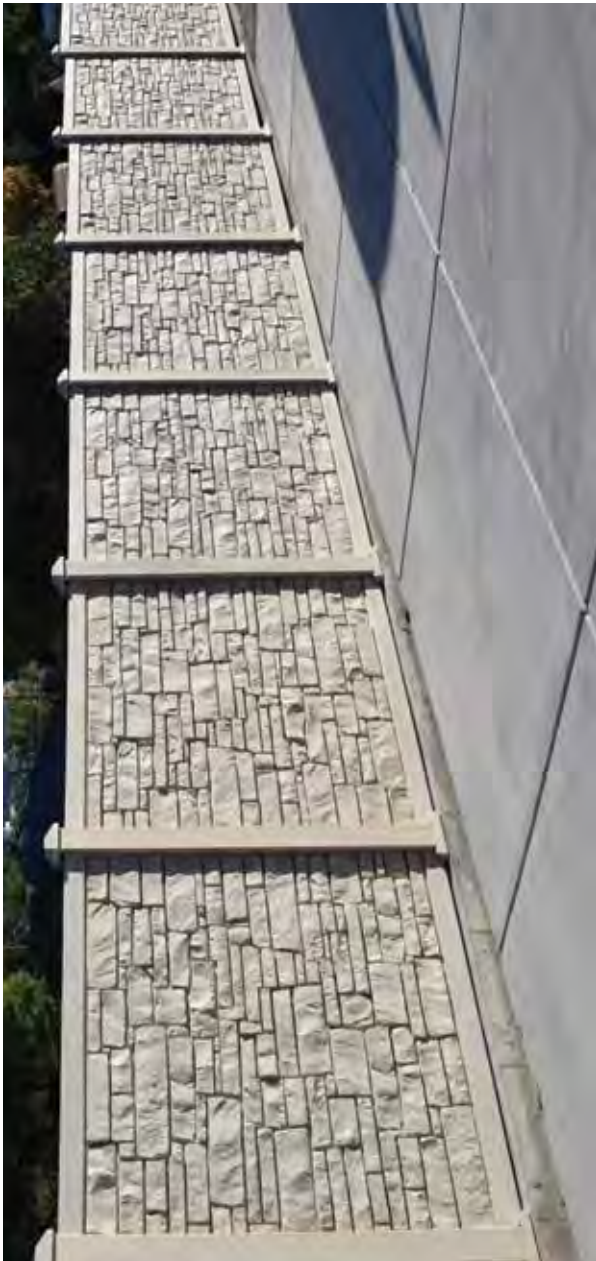
Scan QR Code
and watch our
Ashland video



STEEL REINFORCED



CONCRETE MOUNTING



A quality finished wall is the result of a quality installation. Be certain that your retaining wall is at least 8" wide so the bolts can be anchored properly.



EXTREMELY DURABLE

- The internal frame of our gate is made of a 1.5" x 1.5" galvanized, 14 gauge, heavy-duty, steel frame. Each gate comes complete with two self-closing hinges, a latch, and a striker rod.
- Gates come in 3ft, 4ft, 5ft and 6ft widths and may be double hung for 7ft, 8ft, 9ft, 10ft, 11ft or 12ft openings.
- Hinges thread directly into the interior metal frame of the gate.
- Our spring loaded, self-closing hinges meet national pool codes.

For more information including installation instructions, please visit our website: www.simtekfence.com

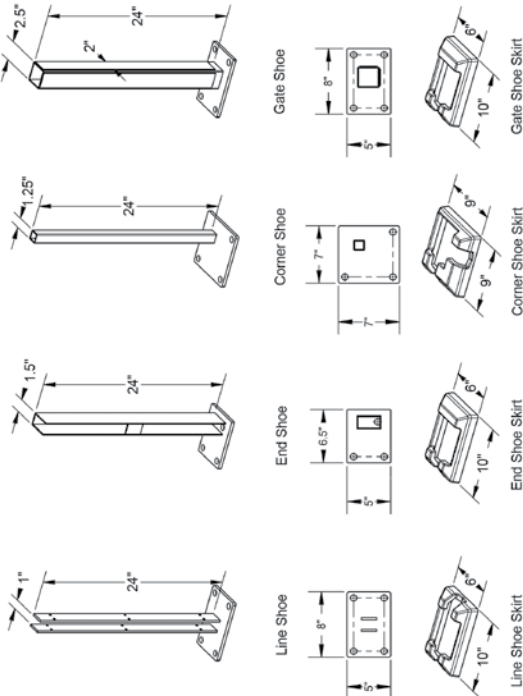


Sim Tek Fence can be installed on top of an eight inch minimum width, poured concrete wall or on a flat concrete surface. Our concrete mounting brackets are made with heavy steel plates and have vertical members. They attach to the concrete with wedge anchors and are bolted to the posts.

Mounting brackets are available for lines, ends, corners, and gate posts. Decorative skirts are used to cover the plates and anchor bolts for a finished look.



Scan QR Code and watch our how-to video



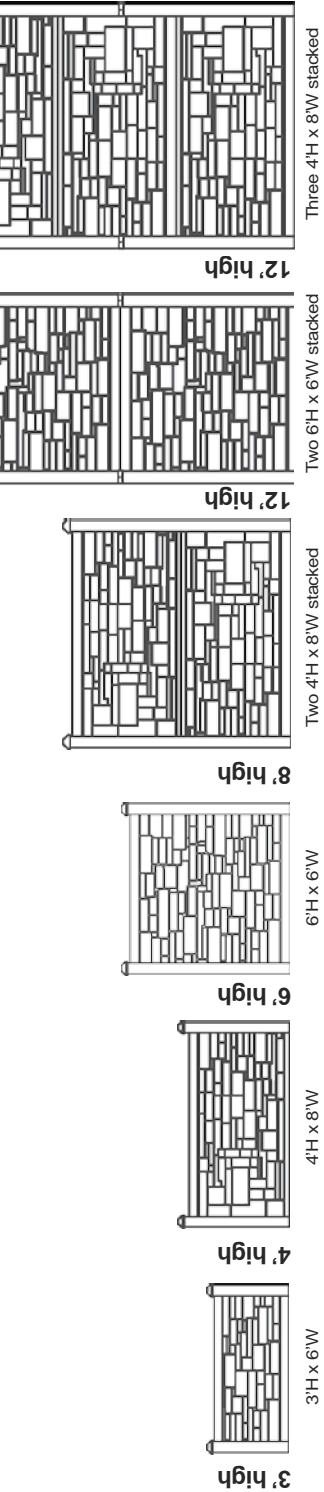
Attachment 1

PANELS & POSTS

SIZES

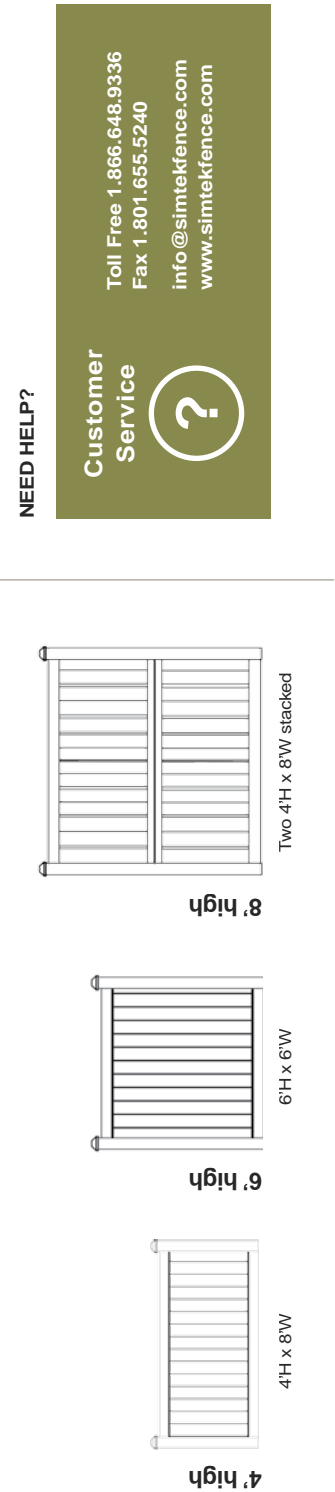
- Panels come in 3'H x 6'W, 6'H x 6'W, and 4'H x 8'W
- All panels contain high-grade galvanized steel in both top and bottom rails
- Panel heights cannot be modified; however, panels can be cut to any custom width
- Our panels have been engineered to allow stacking to create 8' and 12' high walls

ECOSTONE SIZES & HEIGHTS



- Posts come in 8.5' and 12' heights and have a five-inch outer diameter
- All posts contain full-length, internally molded, steel stiffeners for optimum strength
- Posts are made from 50% recycled polyethylene plastic
- For a 12' high fence, we supply metal I-beams with matching plastic post sleeves

ASHLAND SIZES & HEIGHTS



NEED HELP?

Customer Service



Toll Free 1.866.648.9336
Fax 1.801.655.5240
info@simtektence.com
www.simtektence.com

LEARN MORE



Proud member since 2007



NOA Approval 12-125.02



For full warranty information, please visit our website



Proudly made in the United States



U.S. Patents 7,478,797 / 7,635,114
Foreign Patents Pending

COLOR OPTIONS

GRANITE & WOOD GRAINS



Brown Granite



Dark Brown Granite



Beige Granite



Gray Granite



Desert Granite



Black Granite



Walnut Brown



Red Cedar



Nantucket Gray



Gold Cedar



Black Oak



Scan QR Code and request a free color sample



STUNNING BEAUTY LIFETIME DURABILITY

Corporate Headquarters

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Orem, UT 84057
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Tel.: 1.801.655.5236
Fax: 1.801.655.5240
info@simtekfence.com
www.simtekfence.com

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Easton, PA 18045
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Tel. 1.801.655.5236
Fax 1.801.655.5240
info@simtekfence.com
www.simtekfence.com

Authorized Dealer



INSTALLATION GUIDE

6' HIGH FENCE

1.866.648.9336

www.simtekfence.com

Attachment 1



INSTALLATION GUIDE

These instructions are designed to assist both professional installers and do-it-yourselfers of SimTek™ decorative rock-walls. These instructions are detailed to insure an excellent finished wall.

A quality finished wall is a result of a quality installation. The layout must be consistent with ground contours; posts must be appropriately spaced and properly anchored. Follow SimTek™ installation instructions carefully and your wall will be both structurally correct and a beautiful addition to your project or property.

Before any installation, check all local regulations regarding fencing, location of all buried utility lines, and correct property lines. Be certain that you are in compliance with all local codes, permits, county and state laws. Ensure that you have all the components needed to complete your fence configuration.

TOOLS NEEDED

Tape Measure

Level

Auger or Post Hole Digger

Shovel

Power Drill

Circular Saw

Concrete

Spray Paint

Mallet or Hammer

Fence String

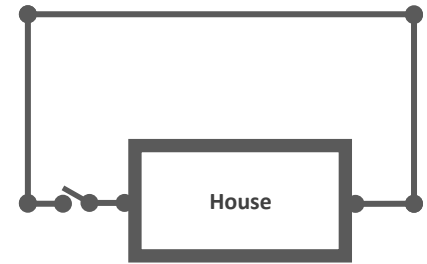


Step 1: Lay Out Fence Line

1. Locate your property line and stretch a string between stakes from the beginning to the end of the fence to ensure posts will be set on a straight line.
2. Beginning at the corner or end post, mark the location of the post. Dig a hole for each post.

Center to Center Post Dimensions

	Line	Corner	End	Gate
Line	71 ½"	72 ½"	71 ½"	72 ½"
Corner		73 ½"	72 ½"	73 ½"



Step 2: Digging Holes

1. If a laser is available, it will be an excellent tool to assist in determining grade and slope.
2. For a level ground installation, begin at a corner or an end post. This will give you a good starting point. If there is a slope, it is easier to begin at the top and work your way down hill.
3. Dig all post holes 10"- 12" diameter by 30"- 36" deep for the six foot high wall and 48" deep for the eight foot high wall. Make sure to check local building codes to ensure required depths and diameters are met.
4. Holes must be 71.5" apart, center to center for the six foot wall and 96" for the eight foot wall. It is essential that the panel stiffener touches post to post. The panel stiffener is wider than the panel to accommodate panel thermal expansion. **DO NOT CUT THE STIFFENER UNLESS THE PANEL IS BEING CUT SHORTER.**
5. Walls will rarely measure out to an exact number of full panels; therefore it will likely require cutting one or more panels to complete a wall. Depending on personal preference, you may wish to narrow the width of the last 2 to 3 panels or cut the first and last panels evenly so that there is not one very narrow panel. Panels can be cut with any circular saw, although the steel stiffeners will require a metal cutting blade.



Step 3: Installing Fence Brackets

If posts are to be installed in level ground attaching brackets in advance of post installation is easiest when using a measuring template for faster repetitive bracket installation. It is easier to change a bracket in the field if necessary than to install brackets once posts are installed in the ground.

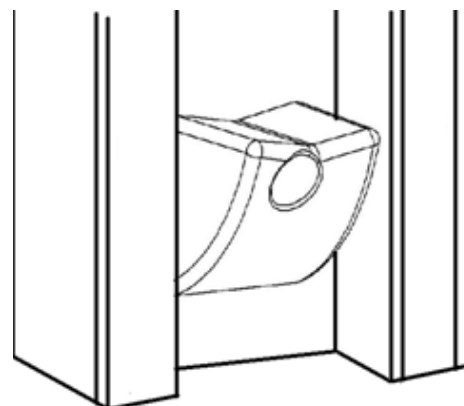
Installed brackets provide a leveling point on each post.

DISTANCE FROM TOP OF POST TO SUPPORT BRACKET SURFACE

Panel Size	3'	4'	6'	8'
Bracket location	37.5"	49.5"	73.5"	99"

Tip

Note: Brackets come packaged at the tip of the post during shipping. They must be removed and reattached in the channel of the post at the desired height during installation.



Step 4: Setting Posts

1. Set a post in the hole with concrete. Using a mallet or hammer, tap the post into the concrete until the top of the post meets the desired height.
2. Fill the remainder of the hole with concrete. Using a level, check two adjacent sides of the post. Two-way levels are useful. Adjust the post until it is both vertical and at the correct height.
3. If using a dry mix method, first place the post in the hole in the approximate position at the bottom of the hole. Pour the dry mix in the hole, positioning the post as soon as it is feasible.
4. Using the steel stiffener out of the panel, which is exactly 70.25" for the six foot wall and 95" for the eight foot wall, as a spacer, set the next post the same as the first.
5. Do not move the post which is now in position. Leave the panel stiffener spacer in place for one hour minimum, as concrete begins to cure, to keep the posts from moving. Set 3 to 4 posts with panel stiffeners as spacers, then advance them one at a time, by moving the first spacer placed. Allow the concrete to cure for a minimum of 24 to 48 hours.
6. For a complete step-by-step installation video, visit our website at: <http://www.simtekfence.com/product-information> or for personalized assistance call our customer service line at 1-866-648-9336.



Make sure post is straight, plumb, and evenly spaced



Tip

Note: All SimTek posts are reinforced with galvanized steel. If posts need to be cut, we suggest cutting them at the tip. Do not cut the top of the post.

Step 5: Installing Fence Panels

1. Panel support brackets must be attached to all posts.
2. Be certain steel stiffeners are inserted in the top and bottom rail of each panel; they come installed from the factory, but may have been removed to use as post spacers.
3. Panels are universal, with no front or back, and no top or bottom edge. Randomly installing panels gives the most pleasing aesthetic effect.
4. Lift the panel bottom edge to approximately 4' off the ground. Have one person flex the next post outward until the groove will receive the panel. Once the section is in the channel, ease the panel down onto the support brackets.
5. Install caps over the posts.
6. Caps are pressure fitted making securing them typically unnecessary; however, a 3" screw can be driven through the top of the cap into the middle of the post if desired.



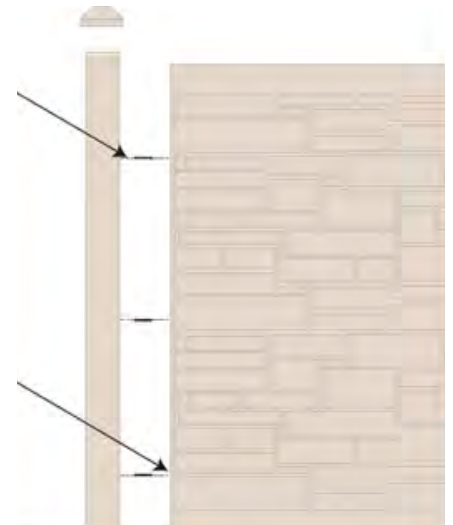
Step 6: Securing Panels

1. Panels must be attached to all six foot gate posts and corner posts because they could conceivably become disengaged from the post because of the shallower groove.
2. To prevent unauthorized panel removal, you can drive one fastener per panel through the panel edge into the post.
3. Caution. Never attach both edges of any panel to posts. Polyethylene has a degree of thermal expansion and contraction.

#14 Hex Washer Head, 3"
Self Tapping Screw



Fasteners should attach
panels to end post and
corner post inside panel
grooves



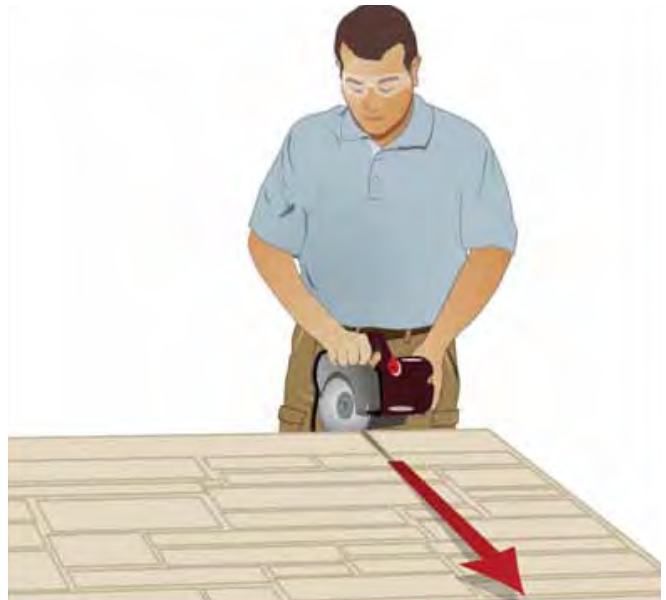
Tip

Note: Never attach both edges of any panel to posts. Polyethylene has a degree of thermal expansion and contraction.

Step 7: Cutting Panels

Where a narrower panel is required to finish a wall, panels can be cut to any desired length.

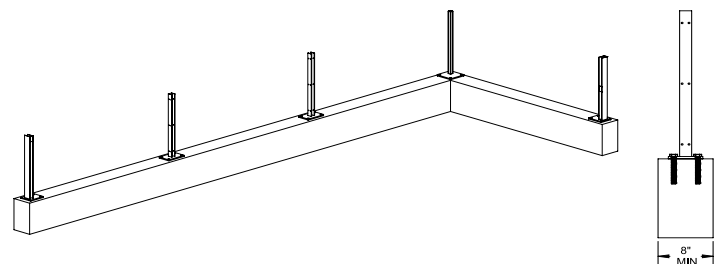
1. Remove steel stiffeners from panels. Determine the exact width between post channels. Mark and cut stiffeners to that width with a metal cutting blade.
2. Mark and cut the panel to the stiffener width, minus $\frac{1}{2}$ " to allow for thermal expansion and contraction of the panel. Make certain panels are cut accurately with edges parallel.
3. If a cut panel is used with an end or corner post, use the factory edge for attachment to the post.
4. For steeper slopes, panels can be cut so the step or drop in each section is 12" or less.



Installing on a Retaining Wall

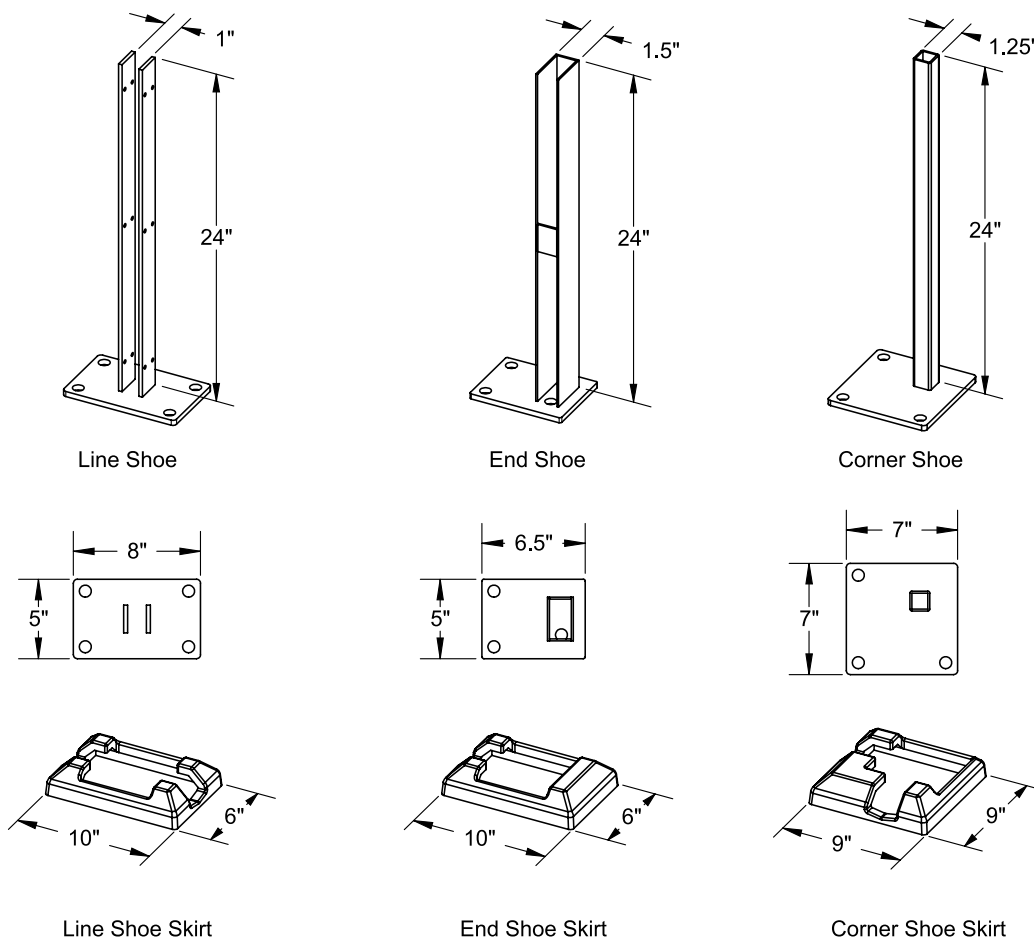
SimTek can be installed on top of an 8" minimum width poured concrete wall or on flat concrete using SimTek's Concrete Mounting Brackets. Concrete surface mounts are manufactured with a heavy steel plate with vertical members. It attaches to the concrete with anchors and bolts to the post. Specific concrete shoes are available for end post, line post and corner posts.

1. Cut the post to the desired height. Post may need to be cut longer to accommodate changes in elevation. Always cut off the bottom of the post, retaining the factory finished post top.
2. Panel support brackets are unnecessary when using concrete shoes. The Panels will set directly on the wall or driveway surface.
3. Start at the corner or an end post position. Locate the concrete shoe an equal distance from the edges of the concrete.
4. Mark the position of the plate. Drill all four holes through the pre-drilled holes in the steel plate.
5. Next install all the concrete anchor bolts in the base plate bolt holes provided with a minimum tension and shear strength of at least 4,000 lbs. Position the bolts to fasten the mounting place of the shoe.
6. Place the shoe over the bolt and attach the shoes to the concrete with specified fasteners



7. If the concrete is not level, washers may be placed over anchor bolts and before shoes are bolted down to serve as leveling devices.
8. Position the skirt covers over the shoes, covering the metal plates. Skirts must be inserted prior to posts being attached.
9. Attach the shoe straps to the posts with fasteners in pre-drilled holes. Each side of the strap gets three staggered screws installed from opposite sides of the post for line posts and three each for ends and corners.
10. With the first shoe anchored, and the post attached, determine and mark the next shoe position using a panel stiffener as a spacer. It will measure 71.5" (for 3' high and 6' high) from the center of the next post and 1" shorter for a line to a corner post. For 4' high and 8' high sections, it will measure 96" center to center.
11. Cut 7/8" of the bottom panel stiffer to accommodate the shoe strap and its screws. It is also recommended to remove 1/2" off the lower two feet on both sides of the panel edge to accommodate the shoe straps as well.
12. Mark and drill the holes for the next shoe.
13. Once all the shoes and posts are securely anchored to the wall and skirts are in place, insert the panels. Be certain that steel stiffeners are in both top and bottom rails of each panel.
14. Finally, place the caps on the post for a finished look.

Concrete Surface Mounting Brackets



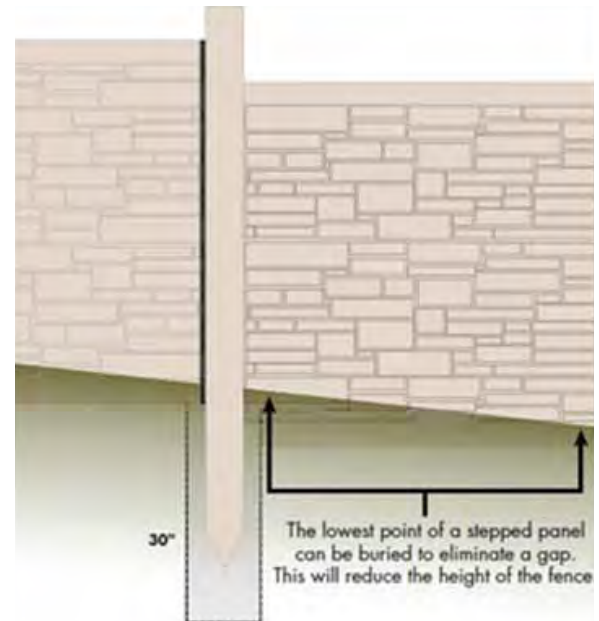
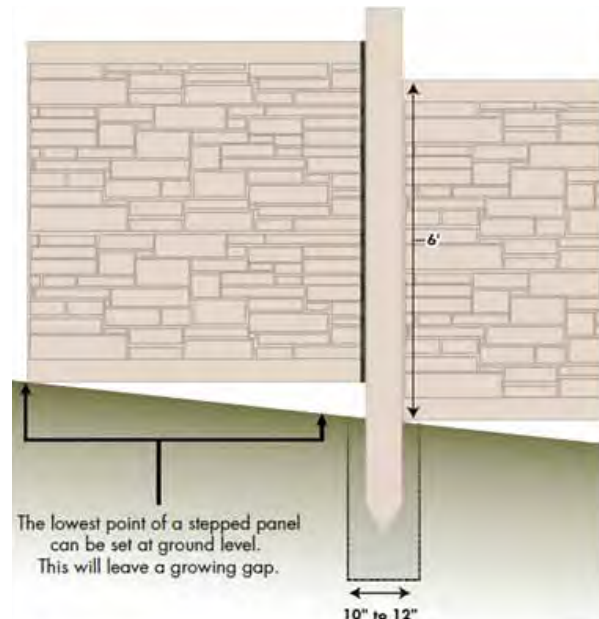
Installing on Sloping Terrain



Caution: SimTek Fence is not engineered for use as a retaining wall.

Installation on sloping terrain is similar to that on flat terrain. Professionals typically use a laser to shoot and obtain a grade.

1. Set the first post on the uphill side. Post placement is important! Posts are typically placed at the point where the slope changes whether in a peak or a valley.
2. The panel support brackets should be pre-attached at 73 1/2" for 6' high or 98" for 8' high and can receive the downhill side of the panel at that height. Once the slope and the drop per panel have been determined, the bracket on the uphill side should be adjusted to the proper height. Panels will always be set level even on a slope.
3. Set the second post and make any adjustments to bracket position.
4. Use steel stiffeners for spacing to set the distance for each succeeding post.
5. Use a level on the stiffener to insure panels will be level when installed.
6. For more information see illustration A and B
7. Please visit our website for a full installation video <http://www.simtekfence.com/install/>



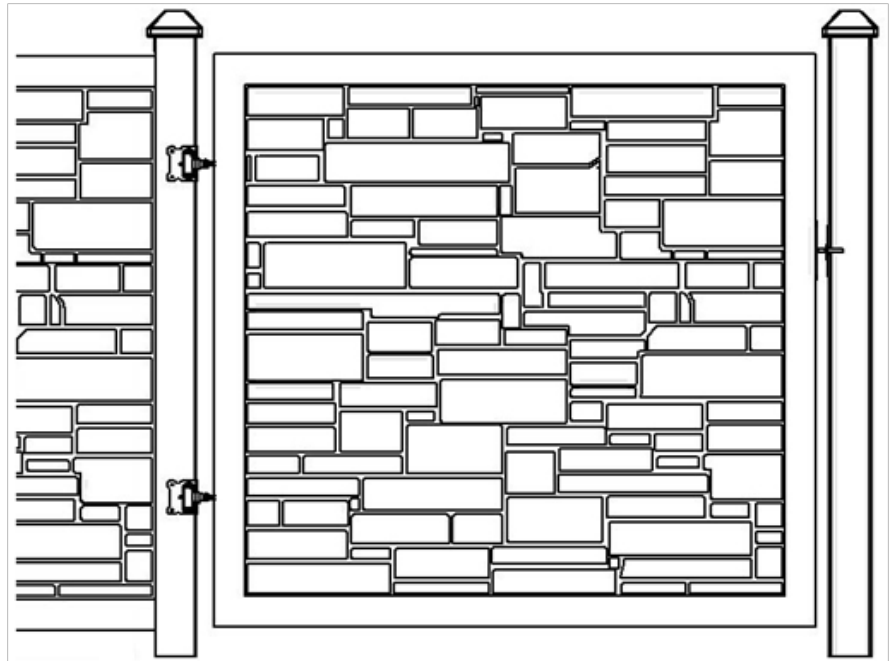
FYI

A 6' wide panel can be stepped as much as 12" per panel. For steeper elevations you can use our 142" long post. For more details and instructions call your sales representative

SimTek Gate Installation Guide

Gate Components and Tools Needed

- Gate Post
- SimTek™ Fence Gate
- End Post
- SimTek™ Hinges
- Latch
- Striker Rod (optional)
- 2 ½" Self-tapping Screws
- Button Head Screws
- Level and Power Drill
- Concrete



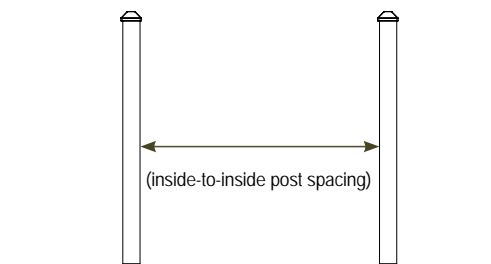
Step #1: Set the Gate Post

Gate posts have extra steel reinforcing for strength and are different than all other posts. Before setting the post in the ground, make sure that a gate post (not an end post) is used)

1. Dig a hole 10" to 12" in diameter by 30" to 36" deep in the ground.
2. The flat surface (without a channel) must be in position to receive the gate and gate hardware.
3. Post spacing is critical. The ideal spacing is to have a 1" gap between the latch post and the striker bar side of the gate and 1 ½" for the hinge side. The extra gap on the hinge side is to allow for thermal expansion and contraction.
4. Set the post utilizing the same method as for other posts and fill the hole with concrete. Allow the concrete to cure for 48 to 72 hours.

Gate Post

(Hinges are attached to this post)



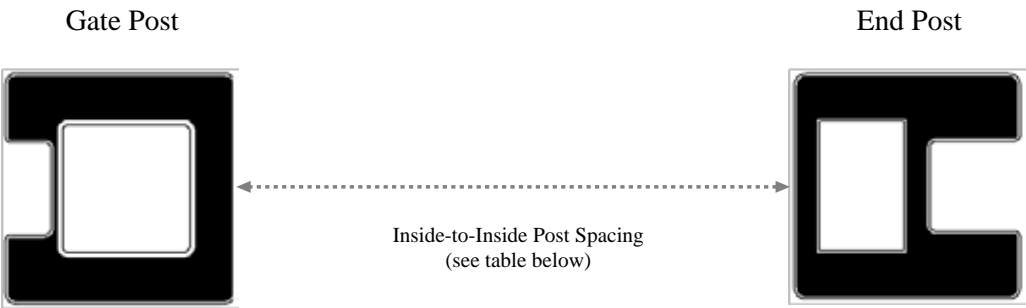
End Post

(The latch is attached to this post)

Step #2: Gate Openings

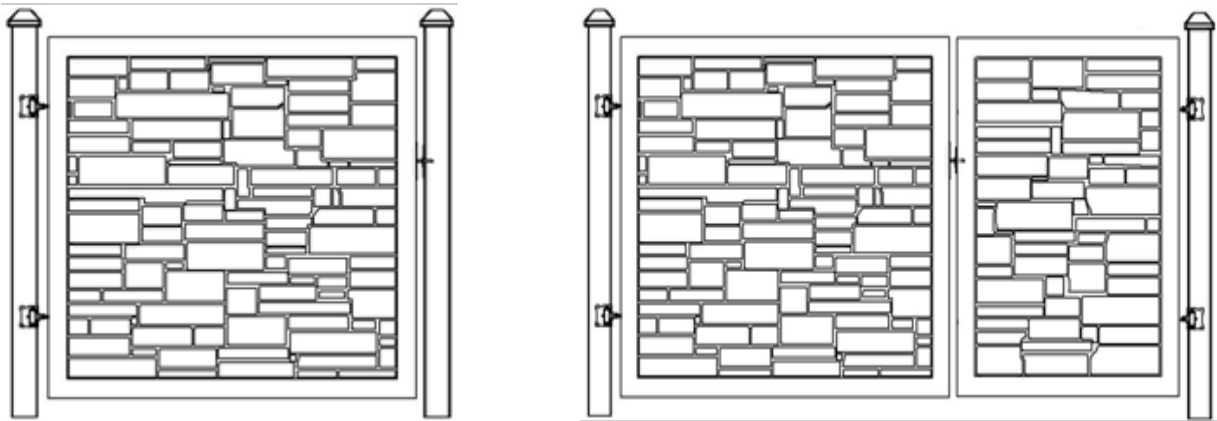
All gates require about a 1 ½” gap between the gate and the gate post, and about a 1” gap between the gate and the end post or between the two gates when using double gates.

For a single gates, use one gate post and one end post. For double gates, use two gate posts.



Gate Width	Single Opening	Double Drive w/3' Gate	Double Drive w/4' Gate	Double Drive w/5' Gate	Double Drive w/6' Gate
3ft Wide Gate	38.5"	76.0"	88.0"	100.0"	112.0"
4ft Wide Gate	50.5"	88.0"	100.0"	112.0"	124.0"
5ft Wide Gate	62.5"	99.5"	111.5"	122.5"	134.5"
6ft Wide Gate	73.5"	110.5"	123.5"	134.5"	145.5"

SimTek Gates

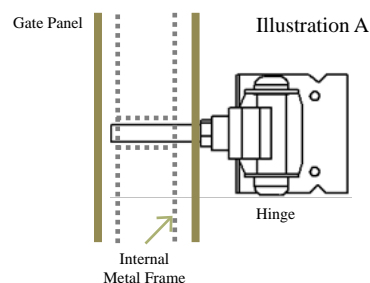


Step #3: Gate Hardware Installation

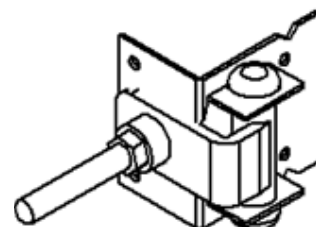
- A. Thread the $\frac{1}{2}$ " hinge rod into the upper and lower inserts in the gate metal frame leaving about $1\frac{1}{2}$ " from the edge of the gate to the bracket (this can be re-adjusted later)
- B. Next hold the gate and its hinges against the gate post at the proper position and height. Drill the provided $2\frac{1}{2}$ " self-tapping screws into the gate post.



Do not over tighten the screws because it can crush the internal foam, making an indentation in the post.



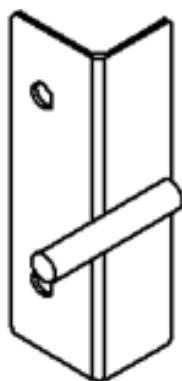
SimTek Hinge



- C. Level the gate. The standard height should be level with the top of the fence panel. Gates are designed with a 4" gap at the bottom to facilitate an unobstructed swing. If you desire a gap smaller than 4", you may lower the gate relative to the fence panels.
- D. Attach the striker rod to the gate by using the provided button head screws.
- E. Finally, align the latch with the striker rod and attach the latch to the end post by using the supplied $2\frac{1}{2}$ " self-tapping screws.



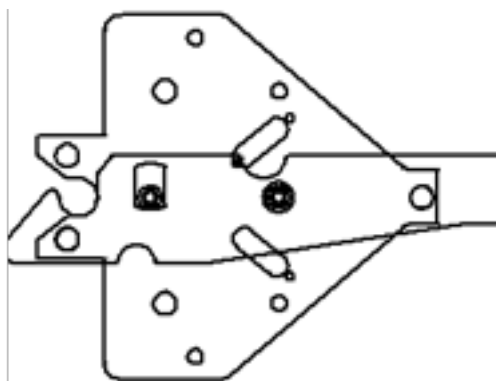
$2\frac{1}{2}$ " Zinc Plated Self Tapping Screw



Striker Rod



Button Head Screw



Latch



$2\frac{1}{2}$ " Zinc Plated Self Tapping Screw



WARRANTY INFORMATION

SimTek™ Fence warrants the product line to be free from manufacturing defects in materials and workmanship for 25-years from the date of purchase, or for as long as the original end-user purchaser of the product owns and occupies the real estate on which the product was first installed. The manufacturer's warranty does not apply to installation.

What We Cover. When proper installation procedures are followed and under normal and proper use, SimTek™ Fence will not crack, warp, peel, rot, blister, fade or drastically change colors. If such defects or degradation is discovered, SimTek™ at its sole discretion will repair, replace the product, or provide the customer a credit for the value of the product subject to the warranty within a reasonable time following the receipt by SimTek™ Fence of notice of such a defect.

Limitations and Exclusions. This warranty does not cover damages as a result of abuse, misuse, vandalism, unauthorized repairs or modifications, defacement, neglect, accidents, improper installations, or improper use, acts of god, improper ground settlement, failure of any structure or soil in which the fence was installed, exposure to extremely harmful chemicals, fire, etc. SimTek™ will not be responsible for labor or other expenses not directly incurred by SimTek™ in effecting any claims under this warranty.

SimTek™ reserves the right to modify, enhance, discontinue its products, including colors and will not be responsible in the event replacement products vary in granite colors compared to the original product as a result of reasonable weathering and/or product engineering.

Registration. In order to receive full benefits on this warranty, you must register your warranty within 90 days of installation by completely and accurately filling out our online warranty registration at our website: www.simtekfence.com/registration/

LED Area/Flood Luminaire

POLE LIGHT - 15' HEIGHT

The Cree Edge™ Series has a slim, low profile design. Its rugged cast aluminum housing minimizes wind load requirements and features an integral, weathertight LED driver compartment and high performance aluminum heat sinks. Various mounting choices: Adjustable Arm, Direct Arm, Direct Arm Long, or Side Arm (details on page 2). Includes a leaf/debris guard.

DA Mount



Patented NanoOptic® Product Technology

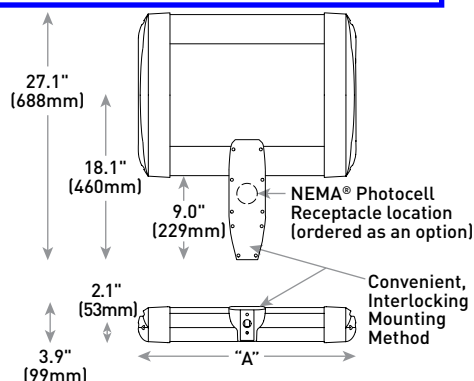
Made in the U.S.A. of U.S. and imported parts

CRI: Minimum 70 CRI

CCT: 4000K (+/- 300K), 5700K (+/- 500K) standard

Limited Warranty†: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

[†] See <http://lighting.cree.com/warranty> for warranty terms



Field-Installed

Bird Spikes XA-BRDSPK Hand-Held Remote XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required	Backlight Control Shields XA-20BLS-4 - Four-pack - Unpainted stainless steel
---	--

LED Count [x10]	Dim. "A"	Weight
02	12.1" (306mm)	21 lbs. (10kg)
04	12.1" (306mm)	24 lbs. (11kg)
06	14.1" (357mm)	27 lbs. (12kg)
08	16.1" (408mm)	28 lbs. (13kg)
10	18.1" (459mm)	32 lbs. (15kg)
12	20.1" (510mm)	34 lbs. (15kg)
14	22.1" (560mm)	37 lbs. (17kg)
16	24.1" (611mm)	41 lbs. (19kg)

AA/DL/SA Mount - see page 22 for weight & dimensions

Example: ARE-EDG-2M-AA-12-E-UL-SV-350

				E							
Product	Optic			Mounting*	LED Count (x10)	Series	Voltage	Color Options	Drive Current	Options	
ARE-EDG	2M Type II Medium	3MB Type III Medium w/BLS	4MP Type IV Medium w/Partial BLS	AA Adjustable Arm	02 04 06 08 10 12 14 16	E	UL Universal 120-277V UH Universal 347-480V	BK Black BZ Bronze SV Silver WH White	350 350mA 525 525mA 700 700mA - Available with 20- 60 LEDs	DIM 0-10V Dimming - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current	PML Programmable Multi-Level, 20-40' Mounting Height - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt
	2MB Type II Medium w/BLS	3MP Type III Medium w/Partial BLS	5M Type V Medium	DA Direct Arm DL Direct Long Arm						F Fuse - Refer to ML spec sheet for availability with ML options - Available with UL voltage only - Available for U.S. applications only - When code dictates fusing, use time delay fuse	PML2 Programmable Multi-Level, 10-30' Mounting Height - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt
	2MP Type II Medium w/Partial BLS	4M Type IV Medium	5S Type V Short							HL Hi/Low (Dual Circuit Input) - Refer to HL spec sheet for details - Sensor not included	R NEMA® Photocell Receptacle - Intended for downlight applications with maximum 45° tilt - Photocell by others - Refer to ML spec sheet for availability with ML options
	3M Type III Medium	4MB Type IV Medium w/BLS								ML Multi-Level - Refer to ML spec sheet for details - Intended for downlight applications at 0° tilt	40K 4000K Color Temperature - Minimum 70 CRI - Color temperature per luminaire
										P Photocell - Refer to ML spec sheet for availability with ML options - Available with UL voltage only	
FLD-EDG	25 25° Flood 40 40° Flood	70 70° Flood SN Sign	N6 NEMA® 6	AA Adjustable Arm SA Side Arm - Available with 20-60 LEDs							

* Reference EPA and pole configuration suitability data beginning on page 19
NOTE: Price adder may apply depending on configuration

OH-C
OF



US: lighting.cree.com

T (800) 236-6800 F (262) 504-5415

Rev. Date: V5 09/05/2017

Canada: www.cree.com/canada



T (800) 473-1234 F (800) 890-7507

Attachment 1

Product Specifications

CONSTRUCTION & MATERIALS

- Slim, low profile, minimizing wind load requirements
- Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartment and high performance heat sinks
- DA and DL mount utilizes convenient interlocking mounting method. Mounting is rugged die cast aluminum, mounts to 3-6" (76-152mm) square or round pole and secures to pole with 5/16-18 UNC bolts spaced on 2" (51mm) centers
- AA and SA mounts are rugged die cast aluminum and mount to 2" (51mm) IP, 2.375" (60mm) O.D. tenons
- Includes leaf/debris guard
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver, and white are available
- **Weight:** See Dimensions and Weight Charts on pages 1 and 22

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- DA and DL mounts designed with integral weathertight electrical box with terminal strips (12Ga-20Ga) for easy power hookup
- Integral 10kV surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- **Maximum 10V Source Current:** 20 LED (350mA): 10mA; 20 LED (525 & 700mA) and 40-80 LED: 0.15mA; 100-160 LED: 0.30mA

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without P or R options
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards when ordered with AA, DA and DL mounts
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- DLC qualified with select FLD-EDG SKUs. Refer to <https://www.designlights.org/search/> for most current information
- Meets Buy American requirements within ARRA

Electrical Data*							
LED Count (x10)	System Watts 120-480V	Total Current (A)					
		120V	208V	240V	277V	347V	480V
350mA							
02	25	0.21	0.13	0.11	0.10	0.08	0.07
04	46	0.36	0.23	0.21	0.20	0.15	0.12
06	66	0.52	0.31	0.28	0.26	0.20	0.15
08	90	0.75	0.44	0.38	0.34	0.26	0.20
10	110	0.92	0.53	0.47	0.41	0.32	0.24
12	130	1.10	0.63	0.55	0.48	0.38	0.28
14	158	1.32	0.77	0.68	0.62	0.47	0.35
16	179	1.49	0.87	0.77	0.68	0.53	0.39
525mA							
02	37	0.30	0.19	0.17	0.16	0.12	0.10
04	70	0.58	0.34	0.31	0.28	0.21	0.16
06	101	0.84	0.49	0.43	0.38	0.30	0.22
08	133	1.13	0.66	0.58	0.51	0.39	0.28
10	171	1.43	0.83	0.74	0.66	0.50	0.38
12	202	1.69	0.98	0.86	0.77	0.59	0.44
14	232	1.94	1.12	0.98	0.87	0.68	0.50
16	263	2.21	1.27	1.11	0.97	0.77	0.56
700mA							
02	50	0.41	0.25	0.22	0.20	0.15	0.12
04	93	0.78	0.46	0.40	0.36	0.27	0.20
06	134	1.14	0.65	0.57	0.50	0.39	0.29

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-480V +/- 10%

Recommended Cree Edge™ Series Lumen Maintenance Factors (LMF) ¹					
Ambient	Initial LMF	25K hr Projected ² LMF	50K hr Projected ² LMF	75K hr Calculated ³ LMF	100K hr Calculated ³ LMF
5°C (41°F)	1.04	1.01	0.99	0.98	0.96
10°C (50°F)	1.03	1.00	0.98	0.97	0.95
15°C (59°F)	1.02	0.99	0.97	0.96	0.94
20°C (68°F)	1.01	0.98	0.96	0.95	0.93
25°C (77°F)	1.00	0.97	0.95	0.94	0.92

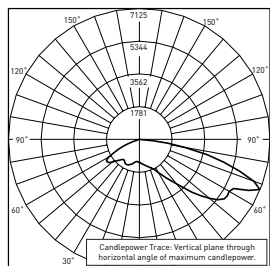
¹ Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing
² In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (IDUT) i.e. the packaged LED chip
³ In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (IDUT) i.e. the packaged LED chip



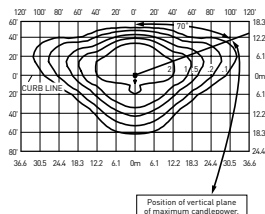
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/cree-edge-series-1>

2M



CSA Test Report #: 6371
ARE-EDG-2M-**-06-E-UL-700-40K
Initial Delivered Lumens: 10,985



ARE-EDG-2M-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 17,504
Initial FC at grade

Type II Medium Distribution

LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	2,501	B1 U0 G1	2,551	B1 U0 G1
04	5,003	B1 U0 G1	5,102	B1 U0 G1
06	7,418	B2 U0 G2	7,565	B2 U0 G2
08	9,891	B2 U0 G2	10,087	B2 U0 G2
10	12,334	B2 U0 G2	12,578	B2 U0 G2
12	14,801	B3 U0 G3	15,094	B3 U0 G3
14	17,158	B3 U0 G3	17,498	B3 U0 G3
16	19,609	B3 U0 G3	19,998	B3 U0 G3
525mA				
02	3,550	B1 U0 G1	3,624	B1 U0 G1
04	7,099	B2 U0 G2	7,248	B2 U0 G2
06	10,527	B2 U0 G2	10,748	B2 U0 G2
08	14,037	B3 U0 G3	14,331	B3 U0 G3
10	17,504	B3 U0 G3	17,870	B3 U0 G3
12	21,004	B3 U0 G3	21,444	B3 U0 G3
14	24,350	B3 U0 G3	24,860	B3 U0 G3
16	27,828	B4 U0 G3	28,411	B4 U0 G3
700mA				
02	4,189	B1 U0 G1	4,275	B1 U0 G1
04	8,379	B2 U0 G2	8,549	B2 U0 G2
06	12,425	B2 U0 G2	12,678	B2 U0 G2

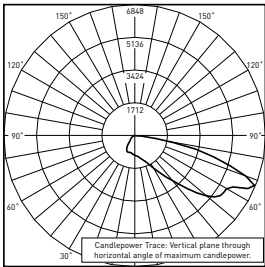
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit:
<https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

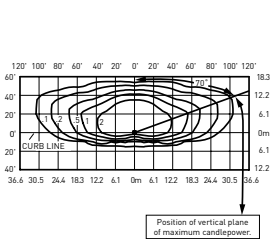
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/cree-edge-series-1>

2MB



CSA Test Report #: 6447
ARE-EDG-2MB-**-06-E-UL-700-40K
Initial Delivered Lumens: 7,953



ARE-EDG-2MB-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 13,185
Initial FC at grade

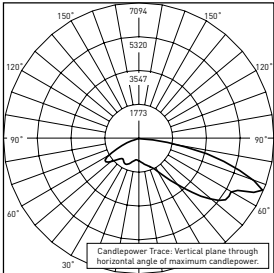
Type II Medium Distribution w/BLS				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	1,884	B0 U0 G1	1,921	B0 U0 G1
04	3,768	B1 U0 G1	3,843	B1 U0 G1
06	5,588	B1 U0 G1	5,698	B1 U0 G1
08	7,450	B1 U0 G2	7,598	B1 U0 G2
10	9,291	B1 U0 G2	9,475	B1 U0 G2
12	11,149	B1 U0 G2	11,370	B1 U0 G2
14	12,924	B1 U0 G2	13,181	B1 U0 G2
16	14,771	B1 U0 G2	15,063	B1 U0 G2
525mA				
02	2,674	B0 U0 G1	2,730	B0 U0 G1
04	5,348	B1 U0 G1	5,460	B1 U0 G1
06	7,930	B1 U0 G2	8,096	B1 U0 G2
08	10,573	B1 U0 G2	10,794	B1 U0 G2
10	13,185	B1 U0 G2	13,461	B1 U0 G2
12	15,821	B2 U0 G2	16,153	B2 U0 G3
14	18,341	B2 U0 G3	18,726	B2 U0 G3
16	20,962	B2 U0 G3	21,401	B2 U0 G3
700mA				
02	3,156	B0 U0 G1	3,220	B0 U0 G1
04	6,311	B1 U0 G1	6,440	B1 U0 G1
06	9,359	B1 U0 G2	9,549	B1 U0 G2

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

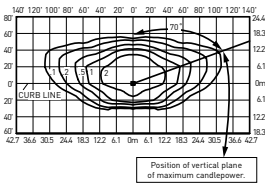
Photometry

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2MP



CSA Test Report #: 6361
ARE-EDG-2MP-**-06-E-UL-700-40K
Initial Delivered Lumens: 9,912



ARE-EDG-2MP-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 15,458
Initial FC at grade

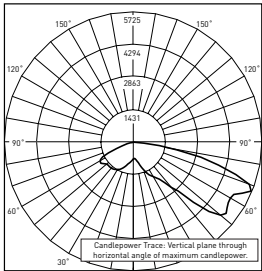
Type II Medium Distribution w/Partial BLS				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	2,209	B1 U0 G1	2,253	B1 U0 G1
04	4,418	B1 U0 G1	4,505	B1 U0 G1
06	6,551	B2 U0 G1	6,681	B2 U0 G1
08	8,735	B2 U0 G2	8,908	B2 U0 G2
10	10,892	B2 U0 G2	11,108	B2 U0 G2
12	13,071	B2 U0 G2	13,330	B2 U0 G2
14	15,153	B2 U0 G2	15,453	B2 U0 G3
16	17,317	B3 U0 G3	17,661	B3 U0 G3
525mA				
02	3,135	B1 U0 G1	3,200	B1 U0 G1
04	6,270	B1 U0 G1	6,401	B2 U0 G1
06	9,297	B2 U0 G2	9,492	B2 U0 G2
08	12,396	B2 U0 G2	12,656	B2 U0 G2
10	15,458	B2 U0 G3	15,782	B2 U0 G3
12	18,549	B3 U0 G3	18,938	B3 U0 G3
14	21,504	B3 U0 G3	21,954	B3 U0 G3
16	24,576	B3 U0 G3	25,091	B3 U0 G3
700mA				
02	3,700	B1 U0 G1	3,775	B1 U0 G1
04	7,400	B2 U0 G2	7,550	B2 U0 G2
06	10,973	B2 U0 G2	11,196	B2 U0 G2

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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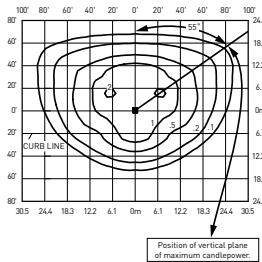
Photometry

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3M



RESTL Test Report #: PL09276-001A
ARE-EDG-3M-**-06-E-UL-700-40K
Initial Delivered Lumens: 11,333



ARE-EDG-3M-**-06-E-UL-700-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 11,779
Initial FC at grade

Fixture OH-C
(service)

Type III Medium Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	2,371	B1 U0 G1	2,418	B1 U0 G1
04	4,743	B1 U0 G1	4,837	B1 U0 G1
06	7,033	B2 U0 G2	7,172	B2 U0 G2
08	9,377	B2 U0 G2	9,563	B2 U0 G2
10	11,693	B3 U0 G3	11,925	B3 U0 G3
12	14,032	B3 U0 G3	14,310	B3 U0 G3
14	16,267	B3 U0 G3	16,589	B3 U0 G3
16	18,591	B3 U0 G3	18,959	B3 U0 G3
525mA				
02	3,365	B1 U0 G1	3,436	B1 U0 G1
04	6,731	B2 U0 G2	6,872	B2 U0 G2
06	9,981	B3 U0 G3	10,190	B3 U0 G3
08	13,307	B3 U0 G3	13,586	B3 U0 G3
10	16,594	B3 U0 G3	16,942	B3 U0 G3
12	19,913	B3 U0 G3	20,330	B3 U0 G3
14	23,085	B3 U0 G3	23,569	B3 U0 G3
16	26,383	B4 U0 G4	26,936	B4 U0 G4
700mA				
02	3,972	B1 U0 G1	4,053	B1 U0 G1
04	7,944	B2 U0 G2	8,105	B2 U0 G2
06	11,779	B3 U0 G3	12,019	B3 U0 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

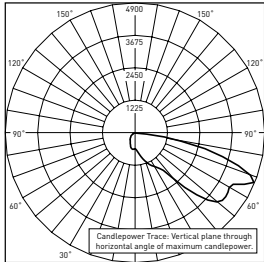
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit:
<https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>



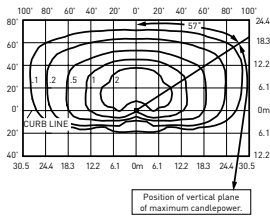
Photometry

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3MB



CSA Test Report #: 6448
ARE-EDG-3MB-**-06-E-UL-700
Initial Delivered Lumens: 7,740



ARE-EDG-3MB-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 12,275
Initial FC at grade

Fixture OF
(property lines)

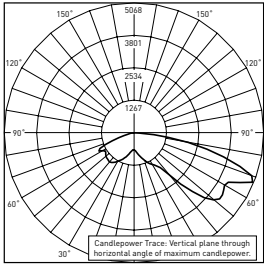
Type III Medium Distribution w/BLS				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	1,754	B0 U0 G1	1,789	B0 U0 G1
04	3,508	B1 U0 G1	3,578	B1 U0 G1
06	5,202	B1 U0 G2	5,305	B1 U0 G2
08	6,936	B1 U0 G2	7,074	B1 U0 G2
10	8,650	B1 U0 G2	8,821	B1 U0 G2
12	10,380	B1 U0 G3	10,585	B1 U0 G3
14	12,033	B1 U0 G3	12,272	B1 U0 G3
16	13,752	B2 U0 G3	14,025	B2 U0 G3
525mA				
02	2,489	B0 U0 G1	2,542	B0 U0 G1
04	4,979	B1 U0 G2	5,083	B1 U0 G2
06	7,383	B1 U0 G2	7,538	B1 U0 G2
08	9,844	B1 U0 G2	10,050	B1 U0 G3
10	12,275	B1 U0 G3	12,532	B1 U0 G3
12	14,730	B2 U0 G3	15,039	B2 U0 G3
14	17,077	B2 U0 G3	17,434	B2 U0 G3
16	19,516	B2 U0 G3	19,925	B2 U0 G3
700mA				
02	2,938	B1 U0 G1	2,998	B1 U0 G1
04	5,876	B1 U0 G2	5,996	B1 U0 G2
06	8,714	B1 U0 G2	8,891	B1 U0 G2

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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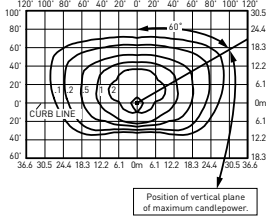
Photometry

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3MP



CSA Test Report #: 6385
ARE-EDG-3MP-**-06-E-UL-700-40K
Initial Delivered Lumens: 9,619



ARE-EDG-3MP-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 14,548
Initial FC at grade

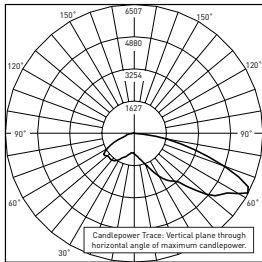
Type III Medium Distribution w/Partial BLS				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	2,079	B1 U0 G1	2,120	B1 U0 G1
04	4,158	B1 U0 G1	4,240	B1 U0 G1
06	6,166	B1 U0 G2	6,288	B1 U0 G2
08	8,221	B2 U0 G2	8,384	B2 U0 G2
10	10,252	B2 U0 G2	10,455	B2 U0 G3
12	12,302	B2 U0 G3	12,546	B2 U0 G3
14	14,261	B3 U0 G3	14,544	B3 U0 G3
16	16,299	B3 U0 G3	16,622	B3 U0 G3
525mA				
02	2,950	B1 U0 G1	3,012	B1 U0 G1
04	5,901	B1 U0 G2	6,024	B1 U0 G2
06	8,750	B2 U0 G2	8,933	B2 U0 G2
08	11,667	B2 U0 G3	11,911	B2 U0 G3
10	14,548	B3 U0 G3	14,853	B3 U0 G3
12	17,458	B3 U0 G3	17,824	B3 U0 G3
14	20,239	B3 U0 G3	20,663	B3 U0 G3
16	23,130	B3 U0 G4	23,615	B3 U0 G4
700mA				
02	3,482	B1 U0 G1	3,553	B1 U0 G1
04	6,964	B2 U0 G2	7,106	B2 U0 G2
06	10,327	B2 U0 G2	10,537	B2 U0 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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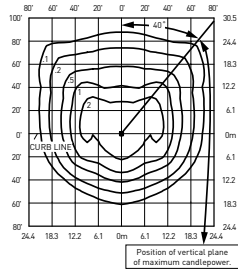
Photometry

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4M



CSA Test Report #: 6438
ARE-EDG-4M-**-06-E-UL-700-40K
Initial Delivered Lumens: 11,367



ARE-EDG-4M-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 17,504
Initial FC at grade

Type IV Medium Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	2,501	B1 U0 G1	2,551	B1 U0 G1
04	5,003	B2 U0 G1	5,102	B2 U0 G1
06	7,418	B2 U0 G2	7,565	B2 U0 G2
08	9,891	B2 U0 G2	10,087	B2 U0 G2
10	12,334	B3 U0 G3	12,578	B3 U0 G3
12	14,801	B3 U0 G3	15,094	B3 U0 G3
14	17,158	B3 U0 G3	17,498	B3 U0 G3
16	19,609	B3 U0 G3	19,998	B3 U0 G3
525mA				
02	3,550	B1 U0 G1	3,624	B1 U0 G1
04	7,099	B2 U0 G2	7,248	B2 U0 G2
06	10,527	B2 U0 G2	10,748	B2 U0 G2
08	14,037	B3 U0 G3	14,331	B3 U0 G3
10	17,504	B3 U0 G3	17,870	B3 U0 G3
12	21,004	B3 U0 G3	21,444	B3 U0 G3
14	24,350	B4 U0 G3	24,860	B4 U0 G3
16	27,828	B4 U0 G3	28,411	B4 U0 G3
700mA				
02	4,189	B1 U0 G1	4,275	B1 U0 G1
04	8,379	B2 U0 G2	8,549	B2 U0 G2
06	12,425	B3 U0 G3	12,678	B3 U0 G3

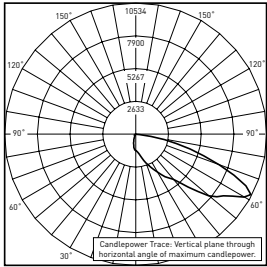
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

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<https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

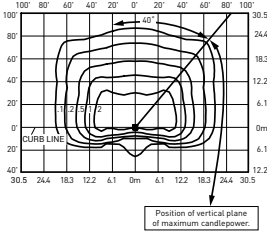
Photometry

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4MB



CSA Test Report #: 6449
ARE-EDG-4MB-**-12-E-UL-525-40K
Initial Delivered Lumens: 13,155



ARE-EDG-4MB-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 13,185
Initial FC at grade

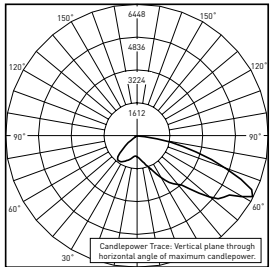
Type IV Medium Distribution w/BLS				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	1,884	B0 U0 G1	1,921	B0 U0 G1
04	3,768	B1 U0 G1	3,843	B1 U0 G1
06	5,588	B1 U0 G1	5,698	B1 U0 G2
08	7,450	B1 U0 G2	7,598	B1 U0 G2
10	9,291	B1 U0 G2	9,475	B1 U0 G2
12	11,149	B1 U0 G2	11,370	B1 U0 G2
14	12,924	B1 U0 G2	13,181	B1 U0 G2
16	14,771	B2 U0 G2	15,063	B2 U0 G2
525mA				
02	2,674	B0 U0 G1	2,730	B0 U0 G1
04	5,348	B1 U0 G1	5,460	B1 U0 G1
06	7,930	B1 U0 G2	8,096	B1 U0 G2
08	10,573	B1 U0 G2	10,794	B1 U0 G2
10	13,185	B1 U0 G2	13,461	B1 U0 G2
12	15,821	B2 U0 G3	16,153	B2 U0 G3
14	18,341	B2 U0 G3	18,726	B2 U0 G3
16	20,962	B2 U0 G3	21,401	B2 U0 G3
700mA				
02	3,156	B1 U0 G1	3,220	B1 U0 G1
04	6,311	B1 U0 G2	6,440	B1 U0 G2
06	9,359	B1 U0 G2	9,549	B1 U0 G2

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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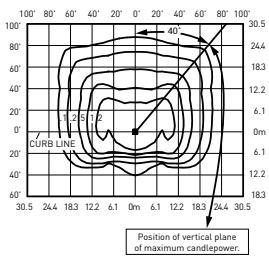
Photometry

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4MP



CSA Test Report #: 6417
ARE-EDG-4MP-**-06-E-UL-700-40K
Initial Delivered Lumens: 9,989



ARE-EDG-4MP-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 15,458
Initial FC at grade

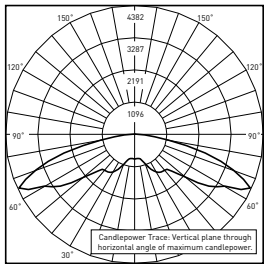
Type IV Medium Distribution w/Partial BLS				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	2,209	B1 U0 G1	2,253	B1 U0 G1
04	4,418	B1 U0 G1	4,505	B1 U0 G1
06	6,551	B2 U0 G1	6,681	B2 U0 G1
08	8,735	B2 U0 G2	8,908	B2 U0 G2
10	10,892	B2 U0 G2	11,108	B2 U0 G2
12	13,071	B2 U0 G2	13,330	B2 U0 G2
14	15,153	B3 U0 G2	15,453	B3 U0 G2
16	17,317	B3 U0 G2	17,661	B3 U0 G2
525mA				
02	3,135	B1 U0 G1	3,200	B1 U0 G1
04	6,270	B2 U0 G1	6,401	B2 U0 G1
06	9,297	B2 U0 G2	9,492	B2 U0 G2
08	12,396	B2 U0 G2	12,656	B2 U0 G2
10	15,458	B3 U0 G2	15,782	B3 U0 G2
12	18,549	B3 U0 G2	18,938	B3 U0 G3
14	21,504	B3 U0 G3	21,954	B3 U0 G3
16	24,576	B3 U0 G3	25,091	B3 U0 G3
700mA				
02	3,700	B1 U0 G1	3,775	B1 U0 G1
04	7,400	B2 U0 G2	7,550	B2 U0 G2
06	10,973	B2 U0 G2	11,196	B2 U0 G2

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit:
<https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/cree-edge-series-1>

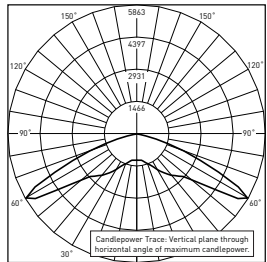
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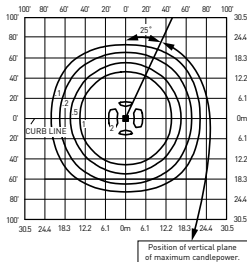
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/cree-edge-series-1>

55



Restl Test Report #: PL09286-001A
ARE-EDG-5S-**-06-E-UL-700-40K
Initial Delivered Lumens: 14,123



ARE-EDG-5S-**-06-E-UL-700-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 14,523
Initial FC at grade

Type V Short Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	2,924	B2 U0 G0	2,982	B2 U0 G0
04	5,847	B3 U0 G1	5,963	B3 U0 G1
06	8,671	B3 U0 G1	8,842	B3 U0 G1
08	11,561	B3 U0 G2	11,790	B3 U0 G2
10	14,416	B4 U0 G2	14,702	B4 U0 G2
12	17,300	B4 U0 G2	17,642	B4 U0 G2
14	20,055	B4 U0 G2	20,453	B4 U0 G2
16	22,920	B4 U0 G2	23,374	B4 U0 G2
525mA				
02	4,149	B2 U0 G1	4,236	B2 U0 G1
04	8,298	B3 U0 G1	8,472	B3 U0 G1
06	12,305	B3 U0 G2	12,563	B3 U0 G2
08	16,406	B4 U0 G2	16,750	B4 U0 G2
10	20,459	B4 U0 G2	20,887	B4 U0 G2
12	24,551	B4 U0 G2	25,065	B4 U0 G2
14	28,461	B5 U0 G3	29,057	B5 U0 G3
16	32,527	B5 U0 G3	33,208	B5 U0 G3
700mA				
02	4,897	B2 U0 G1	4,996	B2 U0 G1
04	9,793	B3 U0 G1	9,993	B3 U0 G2
06	14,523	B4 U0 G2	14,818	B4 U0 G2

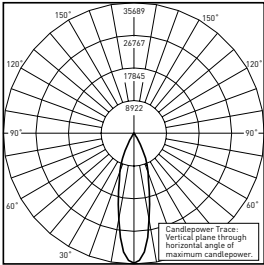
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>



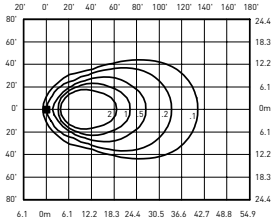
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/cree-edge-series-1>

25°



RESTL Test Report #: 2014-0006
FLD-EDG-25-**-06-E-UL-700-40K
Initial Delivered Lumens: 12,924



FLD-EDG-25-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 20,913
Initial FC at grade

25° Flood Distribution		
LED Count (x10)	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*
350mA		
02	2,989	3,048
04	5,977	6,096
06	8,863	9,039
08	11,818	12,052
10	14,737	15,029
12	17,684	18,035
14	20,501	20,907
16	23,429	23,894
525mA		
02	4,241	4,330
04	8,482	8,660
06	12,578	12,842
08	16,771	17,122
10	20,913	21,352
12	25,096	25,622
14	29,093	29,703
16	33,250	33,946
700mA		
02	5,006	5,107
04	10,011	10,215
06	14,845	15,147

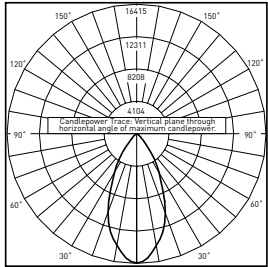
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens



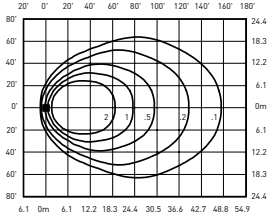
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/cree-edge-series-1>

40°



ITL Test Report #: 79679
CAN-EDG-40-**-06-E-UL-700-40K
Initial Delivered Lumens: 12,889



FLD-EDG-40-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 20,459
Initial FC at grade

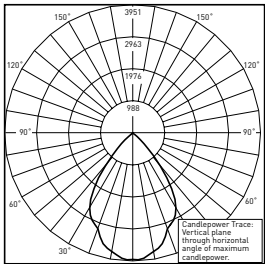
40° Flood Distribution		
LED Count (x10)	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*
350mA		
02	2,924	2,982
04	5,847	5,963
06	8,671	8,842
08	11,561	11,790
10	14,416	14,702
12	17,300	17,642
14	20,055	20,453
16	22,920	23,374
525mA		
02	4,149	4,236
04	8,298	8,472
06	12,305	12,563
08	16,406	16,750
10	20,459	20,887
12	24,551	25,065
14	28,461	29,057
16	32,527	33,208
700mA		
02	4,897	4,996
04	9,793	9,993
06	14,523	14,818

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

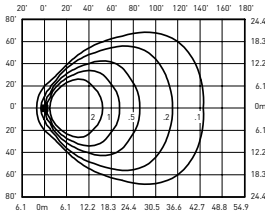
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/cree-edge-series-1>

70°



RESTL Test Report #: 2014-0007
FLD-EDG-70-**-04-E-UL-350-40K
Initial Delivered Lumens: 4,734



FLD-EDG-70-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 18,640
Initial FC at grade

70° Flood Distribution		
LED Count (x10)	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*
350mA		
02	2,664	2,716
04	5,327	5,433
06	7,900	8,056
08	10,533	10,742
10	13,135	13,395
12	15,762	16,074
14	18,272	18,635
16	20,883	21,297
525mA		
02	3,780	3,859
04	7,560	7,719
06	11,211	11,446
08	14,948	15,261
10	18,640	19,031
12	22,368	22,837
14	25,931	26,474
16	29,636	30,256
700mA		
02	4,461	4,552
04	8,923	9,104
06	13,232	13,501

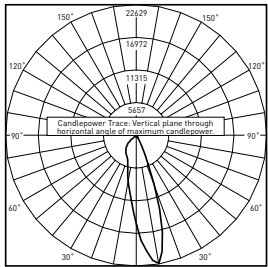
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens



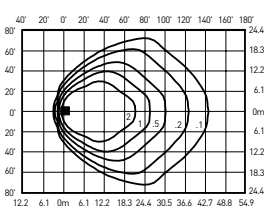
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/cree-edge-series-1>

SN



RESTL Test Report #: 2014-0013
FLD-EDG-SN-**-06-E-UL-700-40K
Initial Delivered Lumens: 11,885



FLD-EDG-SN-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 18,868
Initial FC at grade

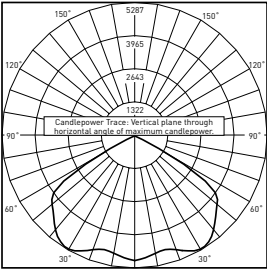
SN Flood Distribution		
LED Count (x10)	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*
350mA		
02	2,696	2,750
04	5,392	5,499
06	7,996	8,155
08	10,662	10,873
10	13,295	13,559
12	15,954	16,270
14	18,495	18,862
16	21,137	21,556
525mA		
02	3,826	3,906
04	7,653	7,813
06	11,348	11,585
08	15,130	15,447
10	18,868	19,263
12	22,641	23,115
14	26,247	26,797
16	29,997	30,625
700mA		
02	4,516	4,608
04	9,032	9,215
06	13,393	13,665

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

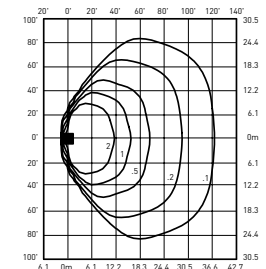
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/cree-edge-series-1>

N6



RESTL Test Report #: 2014-0014
FLD-EDG-N6-**-06-E-UL-700-40K
Initial Delivered Lumens: 13,253


















FLD-EDG-N6-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 20,913
Initial FC at grade

NEMA® 6 Flood Distribution		
LED Count (x10)	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*
350mA		
02	2,989	3,048
04	5,977	6,096
06	8,863	9,039
08	11,818	12,052
10	14,737	15,029
12	17,684	18,035
14	20,501	20,907
16	23,429	23,894
525mA		
02	4,241	4,330
04	8,482	8,660
06	12,578	12,842
08	16,771	17,122
10	20,913	21,352
12	25,096	25,622
14	29,093	29,703
16	33,250	33,946
700mA		
02	5,006	5,107
04	10,011	10,215
06	14,845	15,147

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

Luminaire EPA










Fixed Arm Mount – ARE-EDG-DA						
LED Count (x10)	Single	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
						
02	0.60	0.87	1.20	1.47	1.47	1.75
04	0.60	0.87	1.20	1.47	1.47	1.75
06	0.60	0.92	1.20	1.51	1.51	1.83
08	0.60	0.96 N/A with 3" poles	1.20	1.55 N/A with 3" poles	1.55	1.91 N/A with 3" poles
10	0.60	1.00 N/A with 3" poles	1.20	1.60 N/A with 3" poles	1.60	2.00 N/A with 3" poles
12	0.60	1.04 N/A with 3" poles	1.20	1.64 N/A with 3" poles	1.64	2.08 N/A with 3" poles
14	0.60	1.08 N/A with 3" or 4" poles	1.20	1.68 N/A with 3" or 4" poles	1.68	2.16 N/A with 3" or 4" poles
16	0.60	1.12 N/A with 3" or 4" poles	1.20	1.72 N/A with 3" or 4" poles	1.72	2.24 N/A with 3" or 4" poles
Fixed Arm Mount – ARE-EDG-DL						
02	0.75	1.02	1.50	1.77	1.77	1.91
04	0.75	1.02	1.50	1.77	1.77	1.91
06	0.75	1.07	1.50	1.82	1.82	1.98
08	0.75	1.11	1.50	1.86	1.86	2.04
10	0.75	1.15	1.50	1.90	1.90	2.10
12	0.75	1.19	1.50	1.94	1.94	2.16
14	0.75	1.23	1.50	1.98	1.98	2.22
16	0.75	1.27	1.50	2.02	2.02	2.28

Adjustable Arm Mount – ARE-EDG-AA/FLD-EDG-AA/SA									
LED Count (x10)	Single	2 @ 90°	2 @ 180°	In-Line 2 @ 180°	3 @ 90°	3 @ 120°	In-Line 3 @ 180°	4 @ 90°	In-Line 4 @ 180°
Tenon Configuration If used with Cree tenons, please add tenon EPA with Luminaire EPA									
									
	Vertical: PB-1A*; PT-1; PW-1A3** Horizontal: By others	Vertical: PB-2A*; PB-2R2.375; PW-2A3** Horizontal: PD-2A4(90); PT-2(90)	Vertical: PB-2A*; PB-2R2.375; PW-2A3** Horizontal: PD-2A4(180); PT-2(180)	Vertical: PB-2A*; PB-2R2.375	Vertical: PB-3A*; PB-3R2.375 Horizontal: PD-3A4(90); PT-3(90)	Vertical: PB-3A*; PB-3R2.375 Horizontal: PT-3(120)	Vertical: PB-3A*; PB-3R2.375	Vertical: PB-4A*(90); PB-4R2.375 Horizontal: PD-4A4(90) PT-4(90)	Vertical: PB-4A*(180); PB-4R2.375
0° Tilt									
02	0.66	0.98	1.32	1.32	1.77	1.64	1.98	1.91	2.64
04	0.66	0.98	1.32	1.32	1.64	1.64	1.98	1.97	2.64
06	0.66	1.02	1.32	1.32	1.68	1.68	1.98	2.05	2.64
08	0.66	1.07	1.32	1.32	1.80	1.72	1.98	2.29	2.64
10	0.66	1.11	1.32	1.32	1.76	1.76	1.98	2.21	2.64
12	0.66	1.15	1.32	1.32	1.80	1.80	1.98	2.29	2.64
14	0.66	1.19	1.32	1.32	1.84	1.84	1.98	2.38	2.64
16	0.66	1.23	1.32	N/A	1.89	1.89	N/A	2.46	N/A

* Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6") for single, double or triple luminaire orientation or 4 (4"), 5 (5"), or 6 (6") for quad luminaire orientation

** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6")










Luminaire EPA

Adjustable Arm Mount – ARE-EDG-AA/FLD-EDG-AA/SA									
LED Count (x10)	Single	2 @ 90°	2 @ 180°	In-Line 2 @ 180°	3 @ 90°	3 @ 120°	In-Line 3 @ 180°	4 @ 90°	In-Line 4 @ 180°
Tenon Configuration If used with Cree tenons, please add tenon EPA with Luminaire EPA									
									
	Vertical: PB-1A*; PT-1; PW-1A3** Horizontal: By others	Vertical: PB-2A*; PB-2R2.375; PW-2A3** Horizontal: PD-2A4(90); PT-2(90)	Vertical: PB-2A*; PB-2R2.375; PW-2A3** Horizontal: PD-2A4(180); PT-2(180)	Vertical: PB-2A*; PB-2R2.375	Vertical: PB-3A*; PB-3R2.375 Horizontal: PD-3A4(90); PT-3(90)	Vertical: PB-3A*; PB-3R2.375 Horizontal: PT-3(120)	Vertical: PB-3A*; PB-3R2.375	Vertical: PB-4A*(90); PB-4R2.375 Horizontal: PD-4A4(90) PT-4(90)	Vertical: PB-4A*(180); PB-4R2.375
30° Tilt									
02	0.71	1.37	1.42	1.42	2.08	2.08	2.13	2.73	2.84
04	0.71	1.37	1.42	1.42	2.08	2.08	2.13	2.73	2.84
06	0.82	1.48	1.64	1.64	2.30	2.30	2.46	2.95	3.28
08	0.93	1.59	1.86	1.86	2.52	2.52	2.79	3.17	3.72
10	1.04	1.70	2.08	2.08	2.74	2.74	3.12	3.40	4.16
12	1.15	1.81	2.30	2.30	2.96	2.96	3.45	3.62	4.60
14	1.26	1.92	2.52	2.52	3.18	3.18	3.78	3.84	5.04
16	1.37	2.03	2.74	N/A	3.40	3.40	N/A	4.06	N/A
45° Tilt									
02	0.89	1.55	1.78	1.78	2.45	2.45	2.67	3.10	3.56
04	0.89	1.55	1.78	1.78	2.45	2.45	2.67	3.10	3.56
06	1.03	1.69	2.06	2.06	2.72	2.72	3.09	3.38	4.12
08	1.17	1.83	2.34	2.34	3.00	3.00	3.51	3.66	4.68
10	1.31	1.97	2.62	2.62	3.28	3.28	3.93	3.94	5.24
12	1.45	2.11	2.90	2.90	3.56	3.56	4.35	4.21	5.80
14	1.59	2.25	3.18	3.18	3.83	3.83	4.77	4.49	6.36
16	1.73	2.38	3.46	N/A	4.11	4.11	N/A	4.77	N/A
60° Tilt									
02	1.20	1.86	2.40	2.40	3.06	3.06	3.60	3.72	4.80
04	1.20	1.86	2.40	2.40	3.06	3.06	3.60	3.72	4.80
06	1.39	2.05	2.78	2.78	3.44	3.44	4.17	4.10	5.56
08	1.58	2.23	3.16	3.16	3.81	3.81	4.74	4.47	6.32
10	1.77	2.42	3.54	3.54	4.19	4.19	5.31	4.84	7.08
12	1.95	2.61	3.90	3.90	4.56	4.56	5.85	5.22	7.80
14	2.14	2.80	4.28	4.28	4.94	4.94	6.42	5.59	8.56
16	2.33	2.98	4.66	N/A	5.31	5.31	N/A	5.97	N/A

* Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6") for single, double or triple luminaire orientation or 4 (4"), 5 (5"), or 6 (6") for quad luminaire orientation

** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6")

Luminaire EPA

Adjustable Arm Mount – ARE-EDG-AA/FLD-EDG-AA/SA									
LED Count (x10)	Single	2 @ 90°	2 @ 180°	In-Line 2 @ 180°	3 @ 90°	3 @ 120°	In-Line 3 @ 180°	4 @ 90°	In-Line 4 @ 180°
Tenon Configuration If used with Cree tenons, please add tenon EPA with Luminaire EPA									
									
	Vertical: PB-1A*; PT-1; PW-1A3** Horizontal: By others	Vertical: PB-2A*; PB-2R2.375; PW-2A3** Horizontal: PD-2A4(90); PT-2(90)	Vertical: PB-2A*; PB-2R2.375; PW-2A3** Horizontal: PD-2A4(180); PT-2(180)	Vertical: PB-2A*; PB-2R2.375	Vertical: PB-3A*; PB-3R2.375 Horizontal: PD-3A4(90); PT-3(90)	Vertical: PB-3A*; PB-3R2.375 Horizontal: PT-3(120)	Vertical: PB-3A*; PB-3R2.375	Vertical: PB-4A*(90); PB-4R2.375 Horizontal: PD-4A4(90) PT-4(90)	Vertical: PB-4A*(180); PB-4R2.375
90° Tilt									
02	1.85	2.51	3.70	3.64	4.36	4.36	5.55	5.02	7.40
04	1.85	2.51	3.70	3.64	4.36	4.36	5.55	5.02	7.40
06	2.14	2.80	4.28	4.22	4.94	4.94	6.42	5.59	8.56
08	2.43	3.09	4.86	4.78	5.51	5.51	7.29	6.17 N/A with horizontal tenon	9.72
10	2.71	3.37	5.42	5.34	6.08	6.08	8.13	6.74 N/A with horizontal tenon	10.84
12	3.00	3.66	6.00	5.90	6.66	6.66	9.00	7.31 N/A with horizontal tenon	12.00
14	3.29	3.95 N/A with PW-2A3**	6.58	6.48	7.23	7.23	9.87	7.89 N/A with horizontal tenon	13.16
16	3.57	4.23 N/A with PW-2A3**	7.14	N/A	7.81	7.81	N/A	8.46 N/A with horizontal tenon	N/A

* Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6") for single, double or triple luminaire orientation or 4 (4"), 5 (5"), or 6 (6") for quad luminaire orientation

** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6")

Tenon EPA

Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.52
PB-4A*(180)	2.22
PB-4A*(90)	1.11
PB-2R2.375	0.92
PB-3R2.375	1.62
PB-4R2.375	2.32
PD Series Tenons	0.09
PT Series Tenons	0.10
PW-1A3**	0.47
PW-2A3**	0.94
WM-2	0.08
WM-4	0.25
WM-DM	None

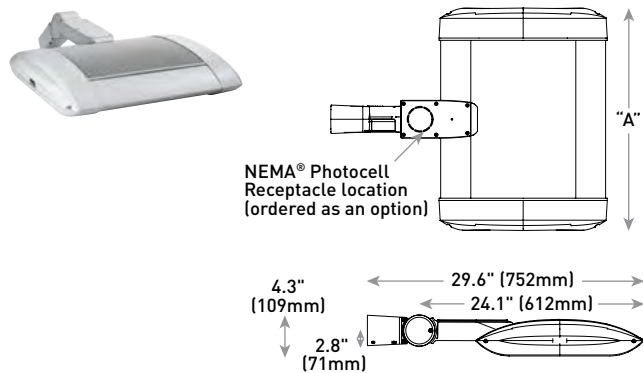
* Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6") for single, double or triple luminaire orientation or 4 (4"), 5 (5"), or 6 (6") for quad luminaire orientation

** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6")

Tenons and Brackets† (must specify color)	
Square Internal Mount Vertical Tenons (Steel) - Mounts to 3-6" (76-152mm) square aluminum or steel poles PB-1A* – Single PB-4A*(90) – 90° Quad PB-2A* – 180° Twin PB-4A*(180) – 180° Quad PB-3A* – 180° Triple	Round External Mount Vertical Tenons (Steel) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons PB-2R2.375 – Twin PB-4R2.375 – Quad PB-3R2.375 – Triple
Square Internal Mount Horizontal Tenons (Aluminum) - Mounts to 4" (102mm) square aluminum or steel poles PD-2A4(90) – 90° Twin PD-3A4(90) – 90° Triple PD-2A4(180) – 180° Twin PD-4A4(90) – 90° Quad	Round External Mount Horizontal Tenons (Aluminum) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons - Mounts to square pole with PB-1A* tenon PT-1 – Single (Vertical) PT-3(90) – 90° Triple PT-2(90) – 90° Twin PT-4(90) – 90° Quad PT-2(180) – 180° Twin
Wall Mount Brackets - Mounts to wall or roof WM-2 – Horizontal for AA and SA mounts WM-4 – L-Shape for AA and SA mounts WM-DM – Plate for DA and DL mounts	Mid-Pole Bracket - Mounts to square pole PW-1A3** – Single PW-2A3** – Double
	Ground Mount Post - For ground mounted flood luminaires PGM-1 - For use with AA and SA mounts

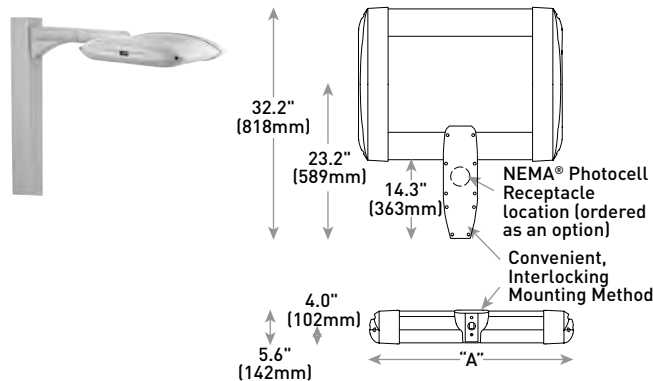
† Refer to the [Bracket and Tenons spec sheet](#) for more details

AA Mount



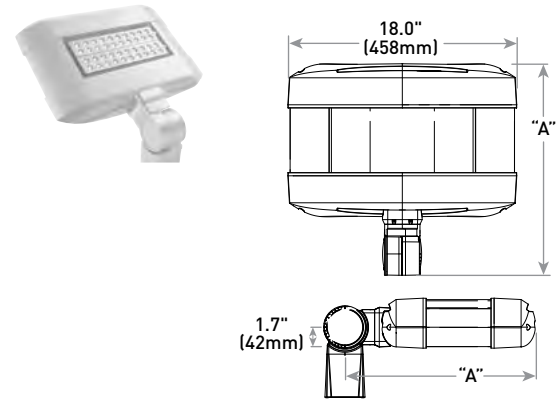
LED Count (x10)	Dim. "A"	Weight
02	12.1" (306mm)	21 lbs. (10kg)
04	12.1" (306mm)	24 lbs. (11kg)
06	14.1" (357mm)	27 lbs. (12kg)
08	16.1" (408mm)	28 lbs. (13kg)
10	18.1" (459mm)	32 lbs. (15kg)
12	20.1" (510mm)	34 lbs. (15kg)
14	22.1" (560mm)	37 lbs. (17kg)
16	24.1" (611mm)	41 lbs. (19kg)

DL Mount



LED Count (x10)	Dim. "A"	Weight
02	12.1" (306mm)	23 lbs. (10kg)
04	12.1" (306mm)	26 lbs. (12kg)
06	14.1" (357mm)	29 lbs. (13kg)
08	16.1" (408mm)	30 lbs. (14kg)
10	18.1" (459mm)	34 lbs. (15kg)
12	20.1" (510mm)	36 lbs. (16kg)
14	22.1" (560mm)	42 lbs. (19kg)
16	24.1" (611mm)	44 lbs. (20kg)

SA Mount



LED Count (x10)	Dim. "A"	Weight
02	16.0" (406mm)	25 lbs. (11kg)
04	18.0" (457mm)	26 lbs. (12kg)
06	20.0" (508mm)	28 lbs. (13kg)

Cree Edge™ Series

LED High Output Area/Flood Luminaire featuring Cree TrueWhite® Technology

POLE LIGHT - 15' HEIGHT

Product Description

The Cree Edge™ High Output Area/Flood luminaire is designed to deliver high lumen packages with precise optical control. The unit features a slim, low profile design that minimizes wind load and is available with two mounting options made with rugged die cast aluminum. The HV mount tenon is an adjustable arm that mounts to a horizontal or vertical 2" (51mm) IP, 2.375-2.50" (60-64mm) O.D. steel tenon. Tenon length must be a minimum of 3.75" (95mm). The direct mount bracket accessory allows for further mounting flexibility. The AA mount is an adjustable arm that mounts to a vertical 2" (51mm) IP, 2.375-3" (60-76mm) O.D. minimum 3.75" (95mm) tall tenon. The adjustable arm mount is for use in applications which have a vertical tenon and require a NEMA® Photocell Receptacle. Available with Cree TrueWhite® Technology, the Cree Edge™ High Output helps to beautifully render true colors and deliver value beyond energy savings.

Applications: Auto dealerships, parking lots, campuses, facade lighting, high-mast and general site lighting applications

Performance Summary

Utilizes Cree TrueWhite® Technology on 5000K Luminaires

Patented NanoOptic® Product Technology

Made in the U.S.A. of U.S. and imported parts

CRI: Minimum 70 CRI (4000K & 5700K); 90 CRI (5000K)

CCT: 4000K (+/- 300K), 5000K (+/- 300K), 5700K (+/- 500K) standard

Limited Warranty*: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

* See <http://lighting.cree.com/warranty> for warranty terms

Accessories

Field-Installed	
Bird Spikes XA-BRDSPKXAK12 - 120 LED XA-BRDSPKXAK24 - 240 LED	Backlight Control Shields XA-30BLS-4 - Four-pack for 120 LED - Unpainted stainless steel XA-30BLS-8 - Eight-pack for 240 LED - Unpainted stainless steel
Direct Mount Bracket EHO-UNV - Mounts to minimum 4" (102mm) round or square; aluminum or steel pole or can be surface-mounted directly to a vertical or horizontal surface - For use with HV mount only - Must specify finish color - See Direct Mount Configurations table on page 15 - Poles must be field-drilled for direct mount EHO-UNV	

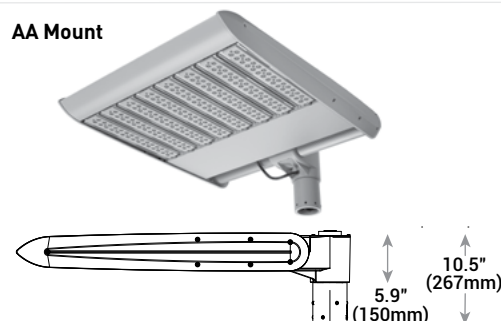
Ordering Information

Example: ARE-EHO-2M-HV-12-E-UL-SV-700

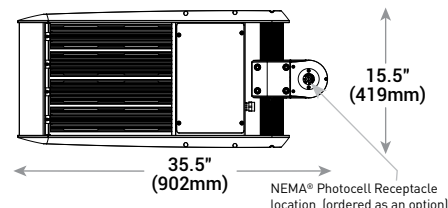
Product	Optic	Mounting*	LED Count (x10)	E	Series	Voltage	Color Options	Drive Current	Options
ARE-EHO	1S Type I Short	AA Adjustable Arm - For use in applications which require a vertical tenon and a NEMA® Photocell Receptacle	12 24	E	UL Universal 120-277V UH Universal 347-480V	BK Black BZ Bronze SV Silver WH White	700 700mA 1000 1000mA	DIM 0-10V Dimming - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current	ML Multi-Level - Refer to ML spec sheet for details - Intended for downlight applications at 0° tilt - Not available with UH voltage or 240 LEDs with 1000mA drive current R NEMA® Photocell Receptacle - 3-pin receptacle per ANSI C136.10 - Vertical tenon applications require use of AA mount - Photocell and shorting cap by others - Refer to ML spec sheet for availability with ML options
	2SB Type II Short w/BLS								
	2MB Type II Medium w/BLS								
	2MP Type II Medium w/Partial BLS								
FLD-EHO	15 15° Flood	HV Horizontal/Vertical Tenon - Available with Direct Mount Bracket when ordered with EHO-UNV field-installed accessory (see table above) - Not for use with NEMA receptacle when mounted to vertical tenon	40 70	E	UL Universal 120-277V UH Universal 347-480V	BK Black BZ Bronze SV Silver WH White	700 700mA 1000 1000mA	F Fuse - When code dictates fusing, use time delay fuse - Refer to ML spec sheet for availability with ML options - Available for U.S. applications only	RL Rotate Left - Optic is rotated to the left RR Rotate Right - Optic is rotated to the right 40K 4000K Color Temperature - Minimum 70 CRI - Color temperature per luminaire 50K 5000K Color Temperature - Minimum 90 CRI - Utilizes Cree TrueWhite® Technology - Color temperature per luminaire
	25 25° Flood								
	40 40° Flood								
	70 70° Flood								

* Reference EPA and pole configuration suitability data beginning on page 14

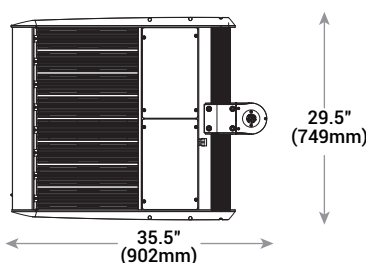
AA Mount



120 LED



240 LED



LED Count (x10)	Weight
12	45.3 lbs. (20.5kg)
24	80.5 lbs. (36.5kg)

HV Mount and Direct Mount Bracket - see page 16 for weight & dimensions

OA-C
OC-C



Rev. Date: V9 09/06/2017



US: lighting.cree.com

T (800) 236-6800 F (262) 504-5415

Canada: www.cree.com/canada

T (800) 473-1234 F (800) 890-7507

Attachment 1

Product Specifications

CREE TRUEWHITE® TECHNOLOGY

A revolutionary way to generate high-quality white light, Cree TrueWhite® Technology is a patented approach that delivers an exclusive combination of 90+ CRI, beautiful light characteristics and lifelong color consistency, all while maintaining high luminous efficacy – a true no compromise solution.

CONSTRUCTION & MATERIALS

- Slim, low profile, minimizing wind load
- Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartments and high performance heat sinks
- HV mount – adjustable arm that mounts to a horizontal or vertical 2" (51mm) IP, 2.375-2.50" (60-64mm) O.D. steel tenon. Tenon length must be a minimum of 3.75" (95mm). **Not for use with NEMA receptacle when mounted to vertical tenon**
- AA mount – adjustable mounting arm is rugged die cast aluminum and mounts to 2" (51mm) IP, 2.375-3" (60-76mm) O.D. minimum 3.75" (95mm) tall vertical tenon
- Surface-mount directly to a vertical or horizontal surface with field-installed EHO-UNV direct mount bracket (accessory (refer to table on page 1)
- Luminaire may be field adjusted for use in uplight position. Please refer to installation instructions for details
- Extruded aluminum adjustable mounting shaft
- Luminaire is adjustable from horizontal 90° towards pole and 120° away from pole
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, bronze, black, and white are available
- **Weight:** See weight charts on pages 1 and 16

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- **Maximum 10V Source Current:** 120 LED: 0.40mA; 240 LED: 0.80mA

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Consult factory for CE Certified products
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Meets Buy American requirements within ARRA
- RoHS compliant. Consult factory for additional details

Electrical Data*							
LED Count (x10)	System Watts 120-480V	Total Current (A)					
		120V	208V	240V	277V	347V	480V
700mA							
12	267	2.24	1.29	1.12	0.99	0.80	0.58
24	533	4.49	2.57	2.24	1.97	1.62	1.16
1000mA							
12	421	3.61	2.06	1.80	1.61	1.25	0.90
24	831	7.16	4.04	3.54	3.14	2.50	1.81

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-480V +/- 10%

Recommended Cree Edge™ High Output Series Lumen Maintenance Factors (LMF) ¹					
Ambient	Initial LMF	25K hr Projected ² LMF	50K hr Projected ² LMF	75K hr Calculated ³ LMF	100K hr Calculated ³ LMF
5°C (41°F)	1.04	1.01	0.99	0.98	0.96
10°C (50°F)	1.03	1.00	0.98	0.97	0.95
15°C (59°F)	1.02	0.99	0.97	0.96	0.94
20°C (68°F)	1.01	0.98	0.96	0.95	0.93
25°C (77°F)	1.00	0.97	0.95	0.94	0.92

¹ Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing

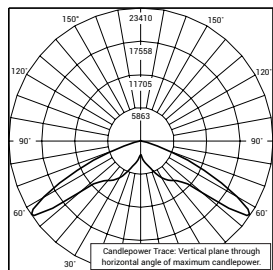
² In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip)

³ In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip)

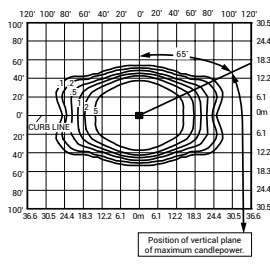
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/cree-edge-high-output-1>

15



ITL Test Report #: 78640
ARE-EHO-1S-**-12-E-UL-1000-40K
Initial Delivered Lumens: 37,812



ARE-EHO-1S-**-24-E-UL-1000-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 83,020
Initial FC at grade

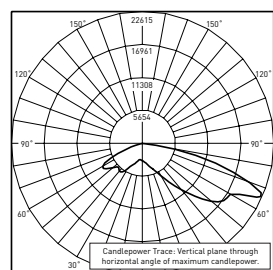
Type I Short Distribution

LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
700mA						
12	30,299	B5 U1 G4	23,236	B4 U1 G3	30,932	B5 U1 G4
24	60,636	B5 U1 G5	46,502	B5 U1 G4	61,902	B5 U1 G5
1000mA						
12	41,484	B5 U1 G4	31,806	B5 U1 G4	42,327	B5 U1 G4
24	83,020	B5 U1 G5	63,652	B5 U1 G5	84,707	B5 U1 G5

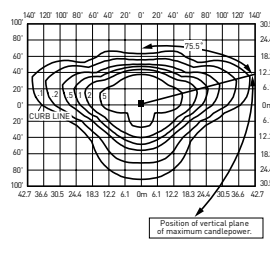
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

2M



ITL Test Report #: 78643
ARE-EHO-2M-**-12-E-UL-1000-40K
Initial Delivered Lumens: 32,284



ARE-EHO-2M-**-24-E-UL-1000-50K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 53,859
Initial FC at grade

Type II Medium Distribution

LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
700mA						
12	25,637	B4 U1 G4	19,661	B3 U1 G3	26,173	B4 U1 G4
24	51,307	B5 U1 G5	39,348	B4 U1 G4	52,379	B5 U1 G5
1000mA						
12	35,102	B4 U1 G4	26,913	B4 U1 G4	35,815	B4 U1 G4
24	70,248	B5 U1 G5	53,859	B5 U1 G5	71,675	B5 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

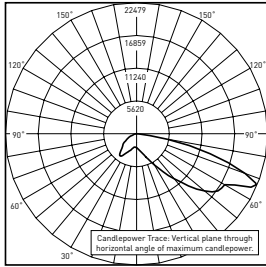
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

Cree Edge™ LED High Output Area/Flood Luminaire

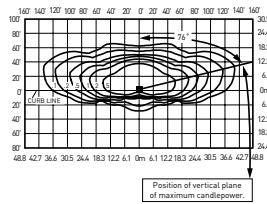
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/cree-edge-high-output-1>

2MB



ITL Test Report #: 78683
ARE-EHO-2MB-**-12-E-UL-1000-40K
Initial Delivered Lumens: 24,579



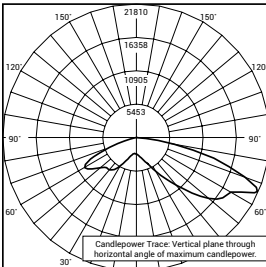
ARE-EHO-2MB-**-24-E-UL-1000-50K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 40,569
Initial FC at grade

Type II Medium w/BLS Distribution						
LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
700mA						
12	19,311	B2 U1 G3	14,810	B2 U1 G2	19,715	B2 U1 G3
24	38,647	B3 U1 G4	29,639	B3 U1 G4	39,454	B3 U1 G4
1000mA						
12	26,440	B2 U1 G3	20,272	B2 U1 G3	26,977	B3 U1 G3
24	52,914	B3 U1 G5	40,569	B3 U1 G4	53,989	B3 U1 G5

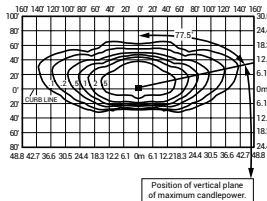
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

2MP



ITL Test Report #: 78688
ARE-EHO-2MP-**-12-E-UL-1000-40K
Initial Delivered Lumens: 28,203



ARE-EHO-2MP-**-24-E-UL-1000-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 62,037
Initial FC at grade

Type II Medium w/Partial BLS Distribution						
LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11
700mA						
12	22,641	B3 U1 G3	17,363	B3 U1 G3	23,114	B3 U1 G3
24	45,310	B4 U1 G4	34,749	B3 U1 G4	46,257	B4 U1 G4
1000mA						
12	30,999	B3 U1 G3	23,767	B3 U1 G3	31,629	B3 U1 G3
24	62,037	B4 U1 G5	47,564	B4 U1 G4	63,298	B4 U1 G5

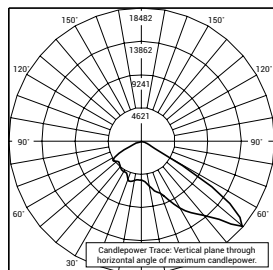
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

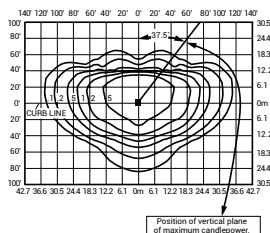
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/cree-edge-high-output-1>

25



ITL Test Report #: 78639
ARE-EHO-2S-**-12-E-UL-1000-40K
Initial Delivered Lumens: 34,4783



ARE-EHO-2S-**-24-E-UL-1000-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 74,809
Initial FC at grade

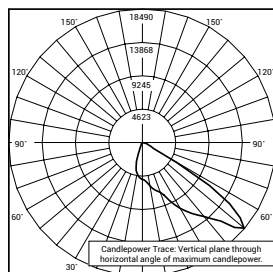
Type II Short Distribution

LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11
700mA						
12	27,302	B4 U1 G4	20,938	B3 U1 G3	27,872	B4 U1 G4
24	54,639	B5 U1 G5	41,903	B4 U1 G4	55,780	B5 U1 G5
1000mA						
12	37,381	B4 U1 G4	28,660	B4 U1 G4	38,141	B4 U1 G4
24	74,809	B5 U1 G5	57,357	B5 U1 G5	76,330	B5 U1 G5

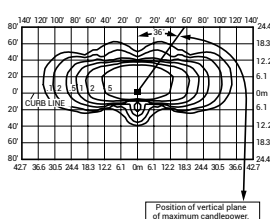
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit:
<https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

25B



ITL Test Report #: 78684
ARE-EHO-2SB-**-12-E-UL-1000-40K
Initial Delivered Lumens: 26,431



ARE-EHO-2SB-**-24-E-UL-1000-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 57,475
Initial FC at grade

Type II Short w/BLS Distribution

LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11
700mA						
12	20,976	B3 U1 G2	16,087	B2 U1 G2	21,414	B3 U1 G2
24	41,978	B3 U1 G4	32,194	B3 U1 G3	42,855	B3 U1 G4
1000mA						
12	28,719	B3 U1 G3	22,019	B3 U1 G2	29,303	B3 U1 G3
24	57,475	B4 U1 G4	44,067	B4 U1 G4	58,643	B4 U1 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

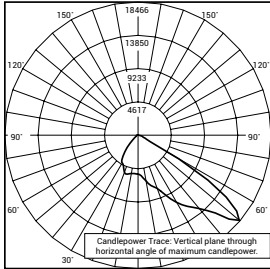
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit:
<https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

Cree Edge™ LED High Output Area/Flood Luminaire

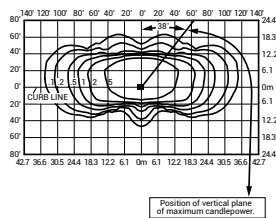
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/cree-edge-high-output-1>

2SP



ITL Test Report #: 78686
ARE-EHO-2SP-**-12-E-UL-1000-40K
Initial Delivered Lumens: 30,296



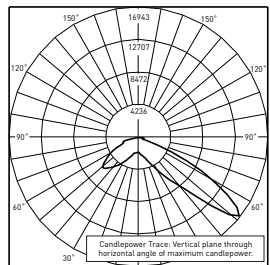
ARE-EHO-2SP-**-24-E-UL-1000-50K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 51,061
Initial FC at grade

Type II Short w/Partial BLS Distribution						
LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11
700mA						
12	24,305	B3 U1 G3	18,640	B3 U1 G3	24,813	B3 U1 G3
24	48,642	B4 U1 G4	37,304	B4 U1 G3	49,658	B4 U1 G4
1000mA						
12	33,278	B4 U1 G3	25,514	B3 U1 G3	33,954	B4 U1 G3
24	66,599	B5 U1 G4	51,061	B4 U1 G4	67,952	B5 U1 G4

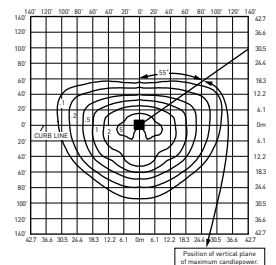
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

3M



RESTL Test Report #: PL10164-002
ARE-EHO-3M-**-12-E-UL-1000-40K
Initial Delivered Lumens: 33,797



ARE-EHO-3M-**-24-E-UL-1000-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 33,278
Initial FC at grade

Type III Medium Distribution						
LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
700mA						
12	24,305	B4 U0 G4	18,640	B3 U0 G3	24,813	B4 U0 G4
24	48,642	B5 U0 G5	37,304	B4 U0 G4	49,658	B5 U0 G5
1000mA						
12	33,278	B4 U0 G4	25,514	B4 U0 G4	33,954	B4 U0 G4
24	66,599	B5 U0 G5	51,061	B5 U0 G5	67,952	B5 U0 G5

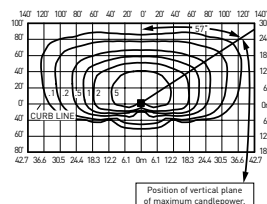
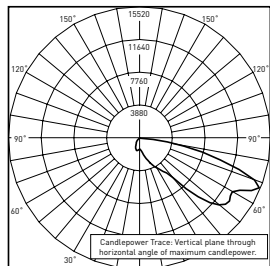
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/cree-edge-high-output-1>

3MB



ARE-EHO-3MB-**-24-E-UL-1000-50K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 37,771
Initial FC at grade

**Fixture OC-C
(Ogden inventory)**

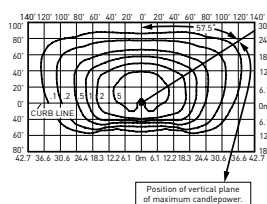
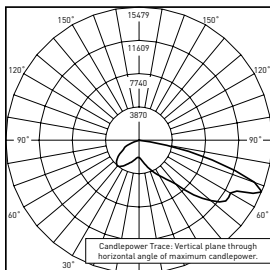
Type III Medium w/BLS Distribution

LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
700mA						
12	17,979	B2 U1 G3	13,789	B2 U1 G3	18,355	B2 U1 G3
24	35,982	B3 U1 G5	27,595	B3 U1 G4	36,733	B3 U1 G5
1000mA						
12	24,617	B2 U1 G4	18,874	B2 U1 G3	25,117	B2 U1 G4
24	49,265	B3 U1 G5	37,771	B3 U1 G5	50,266	B3 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

3MP



ARE-EHO-3MP-**-24-E-UL-1000-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 58,388
Initial FC at grade

Type III Medium w/Partial BLS Distribution

LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
700mA						
12	21,309	B3 U1 G3	16,342	B3 U1 G3	21,754	B3 U1 G3
24	42,645	B4 U1 G5	32,705	B3 U1 G4	43,536	B4 U1 G5
1000mA						
12	29,175	B3 U1 G4	22,369	B3 U1 G3	29,768	B3 U1 G4
24	58,388	B4 U1 G5	44,766	B4 U1 G5	59,574	B4 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

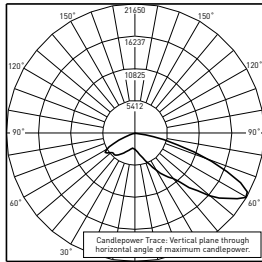
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

Cree Edge™ LED High Output Area/Flood Luminaire

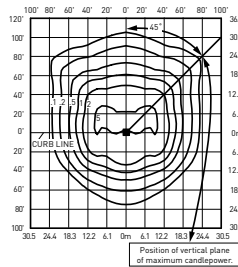
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/cree-edge-high-output-1>

4M



RESTL Test Report #: PL09297-001
ARE-EHO-4M-**-12-E-UL-1000-40K
Initial Delivered Lumens: 34,817



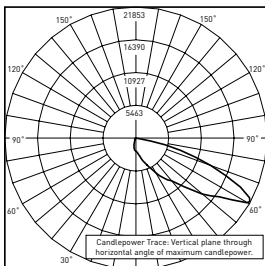
ARE-EHO-4M-**-12-E-UL-1000-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 35,102
Initial FC at grade

Type IV Medium Distribution						
LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
700mA						
12	25,637	B4 U0 G3	19,661	B3 U0 G3	26,173	B4 U0 G3
24	51,307	B5 U0 G5	39,348	B4 U0 G4	52,379	B5 U0 G5
1000mA						
12	35,102	B4 U0 G4	26,913	B4 U0 G3	35,815	B4 U0 G4
24	70,248	B5 U0 G5	53,859	B5 U0 G5	71,675	B5 U0 G5

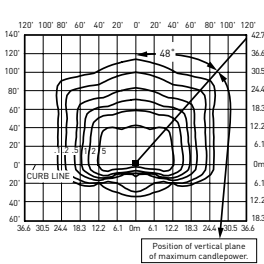
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

4MB



ITL Test Report #: 78734
ARE-EHO-4MB-**-12-E-UL-1000-40K
Initial Delivered Lumens: 25,113



ARE-EHO-4MB-**-24-E-UL-1000-50K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 40,569
Initial FC at grade

Type IV Medium w/BLS Distribution						
LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
700mA						
12	19,311	B2 U1 G3	14,810	B2 U1 G2	19,715	B2 U1 G3
24	38,647	B3 U1 G5	29,639	B2 U1 G4	39,454	B3 U1 G5
1000mA						
12	26,440	B2 U1 G4	20,272	B2 U1 G3	26,977	B2 U1 G4
24	52,914	B3 U1 G5	40,569	B3 U1 G5	53,989	B3 U1 G5

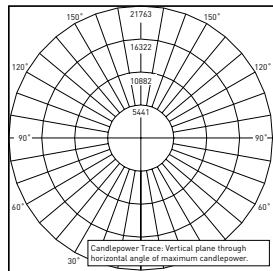
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

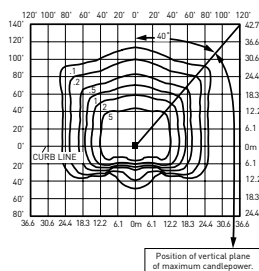
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/cree-edge-high-output-1>

4MP



ITL Test Report #: 78967
ARE-EHO-4MP-**-12-E-UL-1000-40K
Initial Delivered Lumens: 28,934



ARE-EHO-4MP-**-24-E-UL-1000-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 62,037
Initial FC at grade

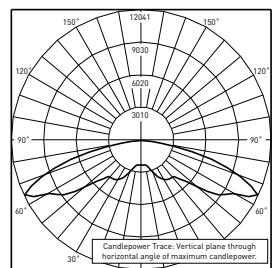
Type IV Medium w/Partial BLS Distribution

LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
700mA						
12	22,641	B3 U1 G3	17,363	B2 U1 G3	23,114	B3 U1 G3
24	45,310	B4 U1 G5	34,749	B3 U1 G4	46,257	B4 U1 G5
1000mA						
12	30,999	B3 U1 G4	23,767	B3 U1 G3	31,629	B3 U1 G4
24	62,037	B5 U1 G5	47,564	B4 U1 G5	63,298	B5 U1 G5

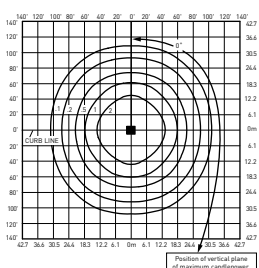
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

5M



RECTL Test Report #: PL09298-001
ARE-EHO-5M-**-12-E-UL-1000-40K
Initial Delivered Lumens: 36,005



ARE-EHO-5M-**-12-E-UL-1000-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 36,925
Initial FC at grade

Type V Medium Distribution

LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
700mA						
12	26,969	B5 U0 G3	20,683	B4 U0 G3	27,532	B5 U0 G3
24	53,972	B5 U0 G5	41,392	B5 U0 G4	55,100	B5 U0 G5
1000mA						
12	36,925	B5 U0 G4	28,311	B5 U0 G3	37,675	B5 U0 G4
24	73,897	B5 U0 G5	56,657	B5 U0 G5	75,399	B5 U0 G5

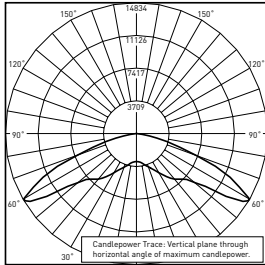
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

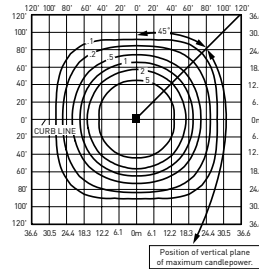
Photometry

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55



ITL Test Report #: 78687
ARE-EHO-5S-**-12-E-UL-1000-40K
Initial Delivered Lumens: 37,329



ARE-EHO-5S-**-24-E-UL-1000-50K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 62,952
Initial FC at grade

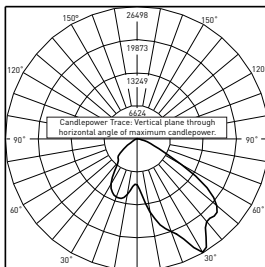
**Fixture OA-C
(inventory)**

Type V Short Distribution						
LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
700mA						
12	29,966	B5 U0 G3	22,981	B4 U0 G2	30,592	B5 U0 G3
24	59,969	B5 U0 G4	45,991	B5 U0 G4	61,222	B5 U0 G4
1000mA						
12	41,028	B5 U0 G4	31,456	B5 U0 G3	41,862	B5 U0 G4
24	82,108	B5 U0 G5	62,952	B5 U0 G4	83,776	B5 U0 G5

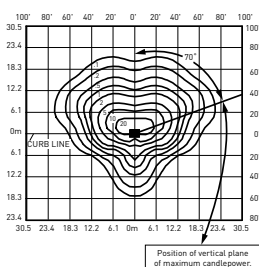
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit:
<https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

AF



RESTL Test Report #: PL09299-001
ARE-EHO-AF-**-12-E-UL-1000-40K
Initial Delivered Lumens: 38,346



ARE-EHO-AF-**-12-E-UL-1000-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 39,660
Initial FC at grade

Automotive FrontlineOptic™ Distribution						
LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
700mA						
12	28,967	B4 U0 G2	22,215	B3 U0 G2	29,572	B4 U0 G2
24	57,970	B5 U0 G2	44,458	B4 U0 G2	59,181	B5 U0 G2
1000mA						
12	39,660	B4 U0 G2	30,408	B4 U0 G2	40,466	B4 U0 G2
24	79,371	B5 U0 G3	60,854	B5 U0 G3	80,984	B5 U0 G3

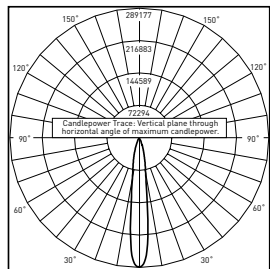
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit:
<https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

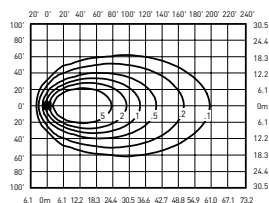
Photometry

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15°



ITL Test Report #: 78519
FLD-EHO-15-**-24-E-UL-1000-40K
Initial Delivered Lumens: 38,859



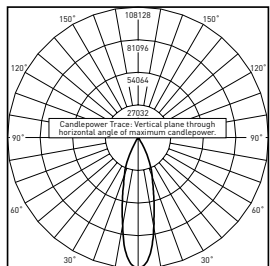
FLD-EHO-15-**-24-E-UL-1000-50K
Mounting Height: 25' (7.6m) A.F.G. - 60° tilt
Initial Delivered Lumens: 64,351
Initial FC at grade

15° Flood Optic Distribution

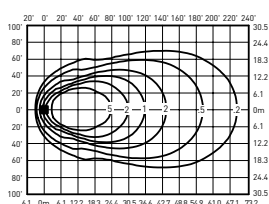
LED Count (x10)	4000K	5000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
700mA			
12	30,631	23,492	31,271
24	61,302	47,013	62,583
1000mA			
12	41,940	32,155	42,792
24	83,932	64,351	85,638

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

25°



ITL Test Report #: 78520
FLD-EHO-25-**-24-E-UL-1000-40K
Initial Delivered Lumens: 38,828



FLD-EHO-25-**-24-E-UL-1000-50K
Mounting Height: 25' (7.6m) A.F.G. - 60° tilt
Initial Delivered Lumens: 64,351
Initial FC at grade

25° Flood Optic Distribution

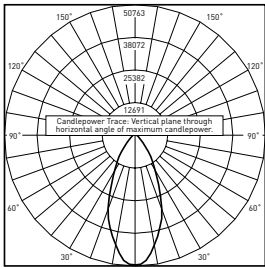
LED Count (x10)	4000K	5000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
700mA			
12	30,631	23,492	31,271
24	61,302	47,013	62,583
1000mA			
12	41,940	32,155	42,792
24	83,932	64,351	85,638

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

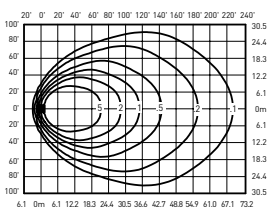
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/cree-edge-high-output-1>

40°



ITL Test Report #: 78521
FLD-EHO-40-**-12-E-UL-1000-40K
Initial Delivered Lumens: 36,476

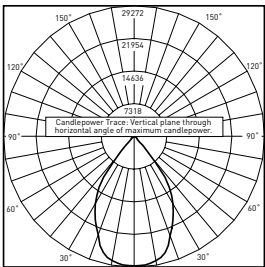


FLD-EHO-40-**-24-E-UL-1000-50K
Mounting Height: 25' (7.6m) A.F.G. - 60° tilt
Initial Delivered Lumens: 62,952
Initial FC at grade

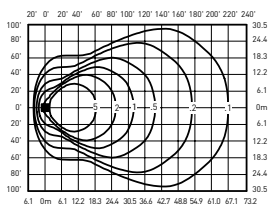
40° Flood Optic Distribution			
LED Count (x10)	4000K	5000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
700mA			
12	29,966	22,981	30,592
24	59,969	45,991	61,222
1000mA			
12	41,028	31,456	41,862
24	82,108	62,952	83,776

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

70°



ITL Test Report #: 78522
FLD-EHO-70-**-12-E-UL-1000-40K
Initial Delivered Lumens: 33,030



FLD-EHO-70-**-24-E-UL-1000-50K
Mounting Height: 25' (7.6m) A.F.G. - 60° tilt
Initial Delivered Lumens: 57,357
Initial FC at grade

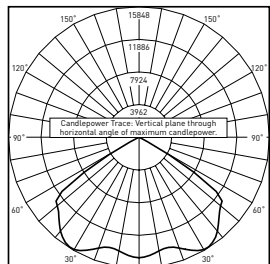
70° Flood Optic Distribution			
LED Count (x10)	4000K	5000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
700mA			
12	27,302	20,938	27,872
24	54,639	41,903	55,780
1000mA			
12	37,381	28,660	38,141
24	74,809	57,357	76,330

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

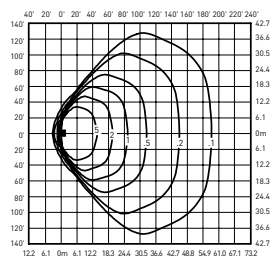
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/cree-edge-high-output-1>

N6



ITL Test Report #: 78562
FLD-EH0-N6-**-12-E-UL-1000-40K
Initial Delivered Lumens: 38,110



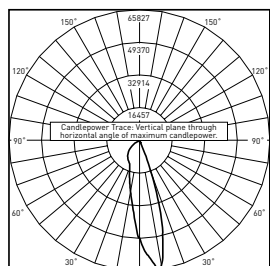
FLD-EH0-N6-**-24-E-UL-1000-50K
Mounting Height: 25' [7.6m] A.F.G. - 60° tilt
Initial Delivered Lumens: 64,351
Initial FC at grade

NEMA 6 Distribution

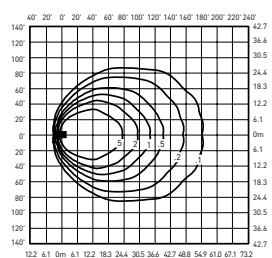
LED Count (x10)	4000K	5000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
700mA			
12	30,631	23,492	31,271
24	61,302	47,013	62,583
1000mA			
12	41,940	32,155	42,792
24	83,932	64,351	85,638

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

SN



ITL Test Report #: 78563
FLD-EH0-SN-**-12-E-UL-1000-40K
Initial Delivered Lumens: 34,961













FLD-EH0-SN-**-24-E-UL-1000-50K
Mounting Height: 25' [7.6m] A.F.G. - 60° tilt
Initial Delivered Lumens: 58,056
Initial FC at grade

Sign Optic Distribution

LED Count (x10)	4000K	5000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
700mA			
12	27,635	21,193	28,212
24	55,305	42,414	56,460
1000mA			
12	37,837	29,010	38,606
24	75,722	58,056	77,260

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

Luminaire EPA

Horizontal/Vertical Tenon Mount, Adjustable Arm Mount, and EHO-UNV Direct Mount Bracket											
LED Count (x10)	Luminaire Weight	Single	2 @ 90°	2 @ 180°	2 @ 180°	3 @ 90°	3 @ 120°	3 @ 180°	4 @ 90°	4 @ 180°	
Tenon Configuration If used with Cree tenons, please add tenon EPA with Luminaire EPA											
		Vertical	Horizontal	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	
											
		PB-1A*; PW-1A3; EHO-UNV	Horizontal Tenon (N/A w/AA Mount)	PB-2A*; PB-2R2.375; PW-2A3; [2] EHO-UNV	PB-2A*; PB-2R2.375; PW-2A3 (picture does not apply)	PB-2A*; PB-2R2.375; PW-2A3 (picture doesn't apply)	PB-3A*; PB-3R2.375; [3] EHO-UNV	PB-3A*; PB-3R2.375	PB-3A*; PB-3R2.375	PB-4A*(90); PB-4R2.375; [4] EHO-UNV	PB-4A*(180); PB-4R2.375
0° Tilt											
12	45.3 lbs. [20.6kg]	1.41	1.41	2.35	2.83	2.83	3.76	3.76	4.24	4.70	5.66
24	80.5 lbs. [36.6kg]	1.41	1.41	2.80	2.83	N/A	4.22	4.22	N/A	5.61	N/A
10° Tilt											
12	45.3 lbs. [20.6kg]	1.49	1.41	2.90	2.98	2.98	4.39	4.39	5.96	5.81	7.95
24	80.5 lbs. [36.6kg]	2.38	1.97	2.38	4.76	N/A	6.18	6.18	N/A	7.59	N/A
20° Tilt											
12	45.3 lbs. [20.6kg]	2.11	1.71	3.53	4.22	4.22	5.64	5.64	8.45	7.05	11.26
24	80.5 lbs. [36.6kg]	3.46	3.11	4.87	6.92	N/A	7.12	7.12	N/A	9.74	N/A
30° Tilt											
12	45.3 lbs. [20.6kg]	2.69	2.30	4.11	5.39	5.39	6.80	6.80	10.78	8.22	14.37
24	80.5 lbs. [36.6kg]	4.59	4.23	6.97	9.19	N/A	10.60	10.60	N/A	12.01	N/A
45° Tilt											
12	45.3 lbs. [20.6kg]	3.50	3.11	4.91	6.99	6.99	8.40	8.40	13.98	9.82	18.64
24	80.5 lbs. [36.6kg]	6.03	5.73	7.44	10.31	N/A	13.48	13.48	N/A	14.89	N/A
60° Tilt											
12	45.3 lbs. [20.6kg]	4.12	3.74	5.54	8.25	8.25	9.66	9.66	16.49	11.08	21.99
24	80.5 lbs. [36.6kg]	7.24	6.91	8.65	12.37	N/A	15.89	15.89	N/A	17.30	N/A
70° Tilt											
12	45.3 lbs. [20.6kg]	4.41	4.03	5.83	8.83	8.83	10.24	10.24	17.65	11.65	23.54
24	80.5 lbs. [36.6kg]	7.76	7.45	9.17	15.51	N/A	16.93	16.93	N/A	18.34	N/A
80° Tilt											
12	45.3 lbs. [20.6kg]	4.59	4.21	6.00	9.18	9.18	10.59	10.59	18.36	12.01	24.47
24	80.5 lbs. [36.6kg]	8.06	7.79	9.48	16.12	N/A	17.54	17.54	N/A	18.95	N/A
90° Tilt											
12	45.3 lbs. [20.6kg]	4.64	4.26	6.06	9.29	9.29	10.70	10.70	18.58	12.12	24.77
24	80.5 lbs. [36.6kg]	8.14	7.89	9.56	16.29	N/A	17.70	17.70	N/A	19.12	N/A

Note: Not for use with aluminum tenons

Tenon EPA

Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.52
PB-4A*[90]	1.11
PB-4A*[180]	2.22
PB-2R2.375	0.92
PB-3R2.375	1.62
PB-4R2.375	2.32
PW-1A3**	0.47
PW-2A3**	0.94
WM-2	0.08
WM-2L	0.13
WM-4L	0.32
EHO-UNV	0.22

* Specify pole size: 3 {3"}, 4 {4"}, 5 {5"}, or 6 {6"} for single, double or triple luminaire orientation or 4 {4"}, 5 {5"}, or 6 {6"} for quad luminaire orientation

** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 {3"}, 4 {4"}, 5 {5"}, or 6 {6"}.

Tenons and Brackets* (must specify color)**Square Internal Mount Vertical Tenons (Steel)**

- Mounts to 3-6" (76-152mm) square aluminum or steel poles

PB-1A* – Single

PB-4A*[90] – 90° Quad

PB-2A* – 180° Twin

PB-4A*[180] – 180° Quad

PB-3A* – 180° Triple

Wall Mount Brackets

- Mounts to wall or roof

WM-2 – Horizontal

WM-4L – Extended L-Shape

WM-2L – Extended Horizontal

Round External Mount Vertical Tenons (Steel)

- Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons

PB-2R2.375 – Twin

PB-4R2.375 – Quad

PB-3R2.375 – Triple

Mid-Pole Bracket

- Mounts to square pole

PW-1A3** – Single

PW-2A3** – Double

Direct Mount Bracket

- Mounts to minimum 4" (102mm) round or square; aluminum or steel pole or can be surface-mounted directly to a vertical or horizontal surface

- For use with HV mount only

- See Direct Mount Configurations table below

- Poles must be field-drilled for direct mount

EHO-UNV

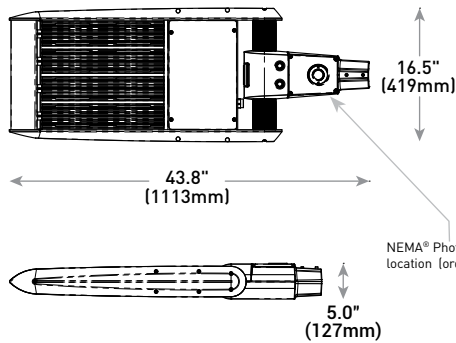
† Refer to the [Bracket and Tenons spec sheet](#) for more details

Direct Mount Configurations

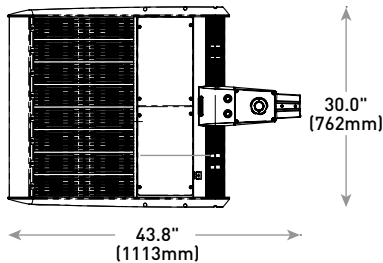
Compatibility with EHO-UNV Direct Mount Bracket					
LED Count [x10]	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
4" Square					
12	✓	✓	N/A	N/A	N/A
24	✓	✓	N/A	N/A	N/A
4" Round					
12	N/A	✓	N/A	N/A	N/A
24	N/A	✓	N/A	N/A	N/A
5" Square					
12	✓	✓	✓	N/A	✓
24	✓	✓	✓	N/A	✓
5" Round					
12	N/A	✓	N/A	✓	N/A
24	N/A	✓	N/A	✓	N/A
6" Square					
12	✓	✓	✓	N/A	✓
24	✓	✓	✓	N/A	✓
6" Round					
12	✓	✓	✓	✓	✓
24	✓	✓	✓	✓	✓

HV Mount (shown in horizontal position)

120 LED



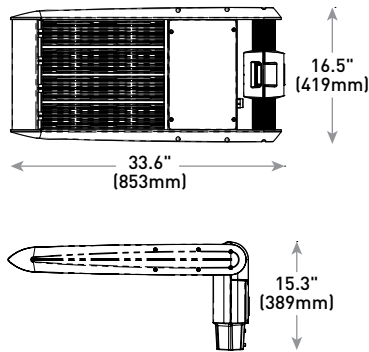
240 LED



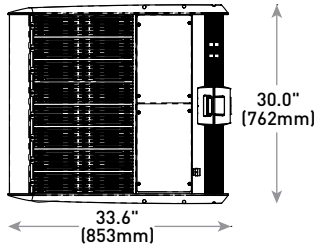
LED Count (x10)	Weight
12	45.3 lbs. (20.5kg)
24	80.5 lbs. (36.5kg)

HV Mount (shown in vertical position)

120 LED



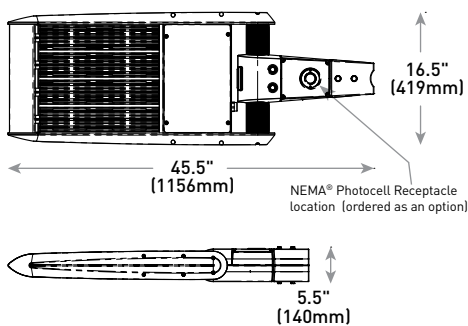
240 LED



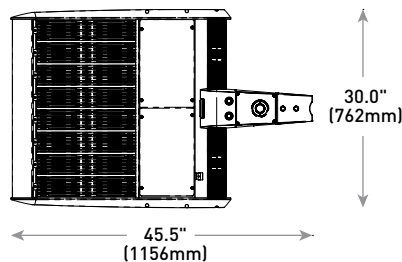
LED Count (x10)	Weight
12	45.3 lbs. (20.5kg)
24	80.5 lbs. (36.5kg)

Direct Mount Bracket (accessory sold separately)
Not for use with R option.

120 LED



240 LED



LED Count (x10)	Weight
12	45.3 lbs. (20.5kg)
24	80.5 lbs. (36.5kg)

INSTALLATION INSTRUCTIONS

IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

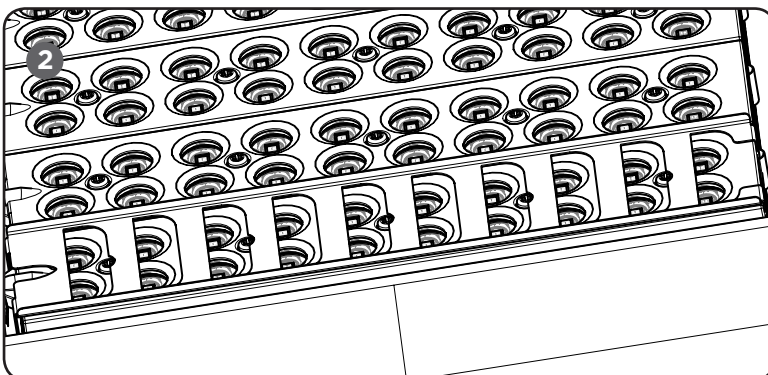
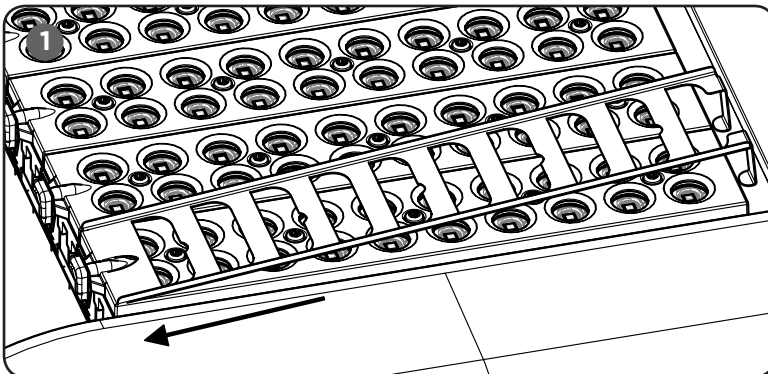
1. To reduce the risk of electrical shock, turn off power supply before installation or servicing.
2. This accessory intended to be used with the 60 or 120 LED Edge Streetlight.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

ACCESSORY KIT CONTENTS

1. (4 or 8) Back Light Shield per 20 or 30 LEDs

TO INSTALL:



BACK LIGHT SHIELD

NOTE: The Back Light Shield can be mounted 0° or 180° on the XAK Series (Edge H.O.).

STEP 1:

Clean the surface of the Light Bars.

NOTE: Be sure to use a very mild detergent. Damage will occur to the LED Optics if any alcohol based or otherwise harsh chemicals used.

STEP 2:

Orientate the Back Light Shield to face 0° or 180°, depending on the fixture, and carefully place on the surface of the Light Bars over the LEDs having the tabs going over one end of the Light Bar. See **Figure 1**.

STEP 3:

Gently pull the tabs on the opposite end of the Back Light Shield over the Light Bar and carefully press down until it clicks and is flushed. See **Figure 2**.

STEP 4:

Repeat Steps 3 and 4 depending on the number of LEDs.

LED Dimming Option

For use with Cree Edge™ Series, LEDway® Series, 228 Series™, 304 Series™, OL Series™, XSP Series, XSP-HO Series, CPY Series, OSQ Series, RSW™ Series and VG Series Luminaires

Description:

Our 0-10V dimming option provides access to multiple drive currents and provides the flexibility to utilize combinations of these currents to optimize lumen output and energy savings needs. As the product is dimmed all LEDs are operated at the same current for longevity and lumen maintenance.

Unlike traditional source technologies, LED performance improves when dimmed in terms of efficacy, longevity and lumen maintenance. This powerful combination allows for the selection luminaires capable of delivering high levels of sustainable illumination performance when desired, but with the ability to be dimmed to deliver lower levels of illumination when appropriate with even greater energy savings.

If dimming leads remain open (factory shipped), luminaire will run at full power.

The 0-10V dimming control interface is compliant with the IEC EN 60929 Annex E which establishes controls for fluorescent products.

Dimming Availability

LEDway® Luminaires – Requires DIM Option		
Drive Current	Voltage	All Mounts
350mA	120-277	20-120 LED
	347-480	20-120 LED
525mA	120-277	20-120 LED
	347-480	20-120 LED
700mA	120-277	20-120 LED
	347-480	20-120 LED

228 Series™ Luminaires – Requires DIM Option					
Drive Current	Voltage	Canopy		Soffit IC Rated	Soffit Non-IC Rated
		RM Mount	RT Mount	All Mounts	All Mounts
350mA	120-277	90 LED	N/A	N/A	30-60 LED
	347-480	90 LED	N/A	N/A	30-60 LED
525mA	120-277	30-90 LED	30-60 LED	N/A	30-60 LED
	347-480	30-90 LED	30-60 LED	N/A	30-60 LED
700mA	120-277	30-90 LED	30-60 LED	N/A	N/A
	347-480	30-90 LED	30-60 LED	N/A	N/A
900mA	120-277	60 LED	N/A	N/A	N/A
	347-480	60 LED	N/A	N/A	N/A
1000mA	120-277	30 LED	N/A	N/A	N/A
	347-480	30 LED	N/A	N/A	N/A

304 Series™ Luminaires – Requires DIM Option									
Drive Current	Voltage	Floodlight	Parking Structure	Recessed Canopy		Recessed Interior		Recessed Soffit	
		Yoke Mount	All Mounts	Single & Double Skin Mounts	Upgrade Mounts	Non-IC Mounts	IC Rated Mounts	Non-IC Mounts	IC Rated Mounts
350mA	120-277	40-60 LED	40-60 LED	40-60 LED	40-60 LED	40-60 LED	40-60 LED	40-60 LED	40-60 LED
	347-480	40-60 LED	40-60 LED	40-60 LED	40-60 LED	40-60 LED	40-60 LED	40-60 LED	40-60 LED
525mA	120-277	40-60 LED	40-60 LED	40-60 LED	40-60 LED	40-60 LED	N/A	40-60 LED	N/A
	347-480	40-60 LED	40-60 LED	40-60 LED	40-60 LED	40-60 LED	N/A	40-60 LED	N/A
700mA	120-277	40-60 LED	40-60 LED	40-60 LED ¹	N/A	N/A	N/A	N/A	N/A
	347-480	40-60 LED	40-60 LED	40-60 LED ¹	N/A	N/A	N/A	N/A	N/A

¹Marked spacing required

Rev. Date: V4 04/13/2017

US: lighting.cree.com

T (800) 236-6800 F (262) 504-5415

Canada: www.cree.com/canada



T (800) 473-1234 F (800) 890-7507

Attachment 1

LED Dimming Option

Cree Edge™ Series Luminaires – Requires DIM Option										
Drive Current	Voltage	Area/Flood			High Output	Round Area/Flood	Canopy	Parking	Security	Transportation
		Direct & Adjustable Arm Mounts	Post Top Mounts	Side Arm Mount	All Mounts	All Mounts	All Mounts	All Mounts		All Mounts
350mA	120-277	40-240 LED	40-240 LED	20-60 LED	N/A	40-120 LED	40-240 LED	40-100 LED	20-120 LED ³	40-100; 120-160
	347-480	20-240 LED ^{1,2}	40-240 LED ^{1,2}	20-60 LED	N/A	40-120 LED ^{1,2}	40-240 LED ^{1,2}	40-100 LED ^{1,2}	20-120 LED ^{2,3}	40-100; 120-160
525mA	120-277	20-160 LED	40-160 LED	20-60 LED	N/A	40-120 LED	40-160 LED	40-100 LED	20-80 LED ³	40-100; 120-160
	347-480	20-160 LED ^{1,2}	40-160 LED ^{1,2}	20-60 LED	N/A	40-120 LED ^{1,2}	40-160 LED ^{1,2}	40-100 LED ^{1,2}	20-80 LED ^{2,3}	40-100; 120-160 LED ^{1,2}
700mA	120-277	20-60 LED	40-60 LEDs	20-60 LED	120-240 LED	40-60 LED	40-60 LED	40-60 LED ^{1,2}	20-60 LED ³	40-60
	347-480	20-60 LED ^{1,2}	40-60 LED ^{1,2}	20-60 LED	120-240 LED ^{1,2}	40-60 LED ^{1,2}	40-60 LED ^{1,2}	40-60 LED ^{1,2}	20-60 LED ^{2,3}	40-60 LED ^{1,2}
1000mA	120-277	N/A	N/A	N/A	120-240 LED	N/A	N/A	N/A	N/A	N/A
	347-480	N/A	N/A	N/A	120-240 LED ^{1,2}	N/A	N/A	N/A	N/A	N/A

¹P (Photocell) option not available on 480V

²Not available with F (Fuse) option

³P (Photocell) option not available

OL Series™ Linear Flood – Requires DIM Option		
Drive Current	Voltage	All Mounts
350mA	120-277	14-112 LED
	347-480	14-112 LED
525mA	120-277	14-112 LED
	347-480	14-112 LED
700mA	120-277	14-112 LED
	347-480	14-112 LED

0-10V Dimming Multipliers – 350mA Drive Current

Note: For use with products when 350mA drive current is specified. Specified drive current represents the maximum drive current that will be available with dimming option. Specifying the maximum allowed drive current for your product will provide the greatest range of dimming. Multipliers are for estimating purposes only. Check actual spec sheet data where available.

120-277V			
0-10V	Drive Current (mA)	System Watts Multiplier	Lumen Multiplier
<= 1.1	75	0.23	0.24
1.3	88	0.26	0.28
1.6	113	0.33	0.36
1.9	138	0.40	0.43
2.2	163	0.46	0.51
2.3	175	0.50	0.54
2.7	213	0.60	0.65
3	238	0.67	0.72
3.3	263	0.74	0.78
3.4	275	0.79	0.81
3.6	288	0.81	0.85
3.8	313	0.87	0.91
>= 4.2	350	1.00	1.00

347-480V			
0-10V	Drive Current (mA)	System Watts Multiplier	Lumen Multiplier
<= 1.0	75	0.25	0.24
1.1	88	0.28	0.28
1.6	113	0.35	0.36
1.9	138	0.41	0.43
2.2	163	0.48	0.51
2.3	175	0.50	0.54
2.7	213	0.63	0.65
2.9	238	0.69	0.72
3.2	263	0.76	0.78
3.3	275	0.79	0.81
3.4	288	0.83	0.85
3.6	313	0.90	0.91
>= 4.0	350	1.00	1.00

LED Dimming Options

0-10V Dimming Multipliers – 525mA Drive Current

Note: For use with products when 525mA drive current is specified. Specified drive current represents the maximum drive current that will be available with dimming option. Specifying the maximum allowed drive current for your product will provide the greatest range of dimming. Multipliers are for estimating purposes only. Check actual spec sheet data where available.

120-277V			
0-10V	Drive Current (mA)	System Watts Multiplier	Lumen Multiplier
<= 1.4	75	0.15	0.18
2.2	125	0.23	0.29
2.6	150	0.28	0.34
3.0	175	0.32	0.40
3.7	225	0.42	0.50
4.5	275	0.51	0.60
5.2	325	0.60	0.69
5.6	350	0.65	0.73
6.7	425	0.80	0.85
7.4	475	0.90	0.93
>= 8.2	525	1.00	1.00

347-480V			
0-10V	Drive Current (mA)	System Watts Multiplier	Lumen Multiplier
<= 1.7	75	0.15	0.18
2.4	125	0.24	0.29
2.7	150	0.29	0.34
3.1	175	0.33	0.40
3.7	225	0.42	0.50
4.3	275	0.51	0.60
4.9	325	0.60	0.69
5.3	350	0.65	0.73
6.2	425	0.80	0.85
6.9	475	0.89	0.93
>= 7.7	525	1.00	1.00

0-10V Dimming Multipliers – 700mA Drive Current

Note: For use with products when 700mA drive current is specified. Specified drive current represents the maximum drive current that will be available with dimming option. Specifying the maximum allowed drive current for your product will provide the greatest range of dimming. Multipliers are for estimating purposes only. Check actual spec sheet data where available.

120-277V			
0-10V	Drive Current (mA)	System Watts Multiplier	Lumen Multiplier
<= 1.1	75	0.11	0.14
1.7	125	0.18	0.23
1.9	150	0.21	0.28
2.3	175	0.24	0.32
2.8	225	0.31	0.40
3.4	275	0.38	0.48
3.9	325	0.45	0.56
4.2	350	0.48	0.59
5.1	425	0.59	0.69
5.6	475	0.66	0.76
6.1	525	0.74	0.82
6.4	550	0.78	0.85
6.7	575	0.81	0.87
7.3	625	0.89	0.93
>= 8.5	700	1.00	1.00

347-480V			
0-10V	Drive Current (mA)	System Watts Multiplier	Lumen Multiplier
<= 1.0	75	0.12	0.14
1.7	125	0.18	0.23
2.0	150	0.21	0.28
2.3	175	0.25	0.32
2.8	225	0.32	0.40
3.3	275	0.38	0.48
3.7	325	0.45	0.56
4.0	350	0.48	0.59
4.7	425	0.58	0.69
5.2	475	0.65	0.76
5.8	525	0.74	0.82
5.9	550	0.77	0.85
6.2	575	0.80	0.87
6.7	625	0.87	0.93
>= 7.7	700	1.00	1.00

LED Dimming Option

0-10V Dimming Multipliers – 1000mA Drive Current

Note: For use with products when 900mA or 1000mA drive current is specified. Specified drive current represents the maximum drive current that will be available with dimming option. Specifying the maximum allowed drive current for your product will provide the greatest range of dimming. Multipliers are for estimating purposes only. Check actual spec sheet data where available.

120-277V			
0-10V	Drive Current (mA)	System Watts Multiplier	Lumen Multiplier
<= 1.0	105	0.07	0.19
1.4	150	0.11	0.23
1.6	175	0.13	0.25
1.7	200	0.15	0.27
2.1	250	0.20	0.31
2.5	300	0.24	0.35
2.9	350	0.29	0.39
3.2	400	0.33	0.43
3.6	450	0.38	0.47
4.0	500	0.42	0.51
4.2	525	0.44	0.53
4.3	550	0.47	0.55
4.7	600	0.51	0.59
5.1	650	0.56	0.63
5.4	700	0.60	0.67
5.8	750	0.65	0.71
6.2	800	0.69	0.75
6.5	850	0.74	0.79
6.9	900	0.78	0.83
7.3	950	0.83	0.87
7.6	1000	0.87	0.91
>= 8.0	1050	1.00	1.00

347-480V			
0-10V	Drive Current (mA)	System Watts Multiplier	Lumen Multiplier
<= 1.0	105	0.07	0.19
1.4	150	0.11	0.23
1.6	175	0.13	0.25
1.7	200	0.15	0.27
2.1	250	0.20	0.31
2.5	300	0.24	0.35
2.9	350	0.29	0.39
3.2	400	0.33	0.43
3.6	450	0.38	0.47
4.0	500	0.42	0.51
4.2	525	0.44	0.53
4.3	550	0.47	0.55
4.7	600	0.51	0.59
5.1	650	0.56	0.63
5.4	700	0.60	0.67
5.8	750	0.65	0.71
6.2	800	0.69	0.75
6.5	850	0.74	0.79
6.9	900	0.78	0.83
7.3	950	0.83	0.87
7.6	1000	0.87	0.91
>= 8.0	1050	1.00	1.00

0-10V Dimming Multipliers

Multipliers are for estimating purposes only.

VG Series – Requires DIM Option		
Input Power Designator	Voltage	All Mounts
A	120-277	Available
	347-480	Available

VG Series		
0-10V	System Watts Multiplier	Lumen Multiplier
<= 0.8	0.15	0.12
1.3	0.19	0.17
1.7	0.23	0.23
2	0.27	0.27
2.4	0.31	0.33
2.7	0.35	0.39
3.2	0.41	0.45
3.7	0.46	0.52
4.4	0.55	0.60
5.1	0.64	0.68
5.7	0.72	0.76
6.5	0.82	0.86
7.1	0.90	0.91
10	1.00	1.00

LED Dimming Option

0-10V Dimming Multipliers

Multipliers are for estimating purposes only.

CPY Series – Requires DIM Option		
Input Power Designator	Voltage	Availability
A	120-277	N/A
	347-480	N/A
B	120-277	Available
	347-480	Available
C	120-277	N/A
	347-480	N/A
D	120-277	Available
	347-480	Available
E	120-277	Available
	347-480	Available

CPY Series – Input Power Designator B		
0-10V	System Watts Multiplier	Lumen Multiplier
≤ 1.0	0.14	0.15
1.6	0.22	0.25
1.9	0.26	0.30
2.2	0.30	0.35
2.8	0.39	0.44
3.4	0.48	0.54
3.9	0.55	0.61
4.2	0.60	0.65
5.1	0.73	0.78
5.7	0.83	0.86
6.3	0.91	0.93
6.6	0.96	0.97
6.9	1.00	1.00
≥ 7.5	1.09	1.13

CPY250 Series – Input Power Designators D & E		
0-10V	120-480V	
	System Watts Multiplier	Lumen Multiplier
≤ 1.0	0.12	0.13
1.6	0.18	0.17
1.9	0.21	0.21
2.2	0.25	0.25
2.8	0.33	0.34
3.4	0.41	0.43
3.9	0.47	0.49
4.2	0.51	0.54
5.1	0.64	0.66
5.7	0.71	0.73
6.3	0.79	0.81
6.6	0.83	0.85
6.9	0.86	0.87
7.5	0.95	0.96
≥ 8.0	1.00	1.00

OSQ Series – Requires DIM Option		
Input Power Designator	Voltage	Availability
A, B, J, K, S, T, U	120-277	Available
	347-480	Available

OSQ Series – A, J & S Input Power Designators		
0-10V	System Watts Multiplier	Lumen Multiplier
≤ 1.1	0.12	0.15
1.6	0.18	0.24
2.0	0.22	0.30
2.2	0.27	0.35
2.9	0.34	0.43
3.5	0.41	0.51
4.0	0.48	0.59
4.2	0.50	0.61
4.7	0.57	0.68
5.4	0.64	0.73
5.8	0.71	0.80
6.3	0.78	0.85
7.2	0.85	0.91
7.4	0.90	0.94
7.7	0.95	0.98
10.0	1.00	1.00

OSQ Series – B, K & T Input Power Designators		
0-10V	System Watts Multiplier	Lumen Multiplier
≤ 0.7	0.15	0.13
1.3	0.17	0.19
1.6	0.22	0.24
1.8	0.25	0.28
2.1	0.31	0.33
2.5	0.38	0.40
2.6	0.40	0.42
3.0	0.46	0.48
3.3	0.50	0.53
3.7	0.58	0.59
3.9	0.61	0.63
4.2	0.68	0.67
4.6	0.71	0.74
5.3	0.84	0.84
5.5	0.90	0.87
5.9	0.91	0.91
6.4	0.99	0.98
≥ 6.5	1.00	1.00

OSQ Series – U Input Power Designator		
0-10V	System Watts Multiplier	Lumen Multiplier
≤ 1.0	0.09	0.12
1.3	0.10	0.14
1.8	0.16	0.21
2.1	0.20	0.26
2.4	0.25	0.30
2.6	0.27	0.33
3.0	0.32	0.39
3.3	0.36	0.44
3.5	0.39	0.46
3.9	0.44	0.52
4.0	0.45	0.53
4.2	0.48	0.56
4.6	0.53	0.61
5.1	0.60	0.68
5.3	0.62	0.70
5.8	0.69	0.76
5.9	0.71	0.77
6.3	0.75	0.82
6.5	0.80	0.84
6.9	0.83	0.88
7.2	0.89	0.92
7.7	0.96	0.96
10.0	1.00	1.00



LED Dimming Option

0-10V Dimming Multipliers

Multipliers are for estimating purposes only.

LEDway® High Output Luminaires – Requires DIM Option		
Input Power Designator	Voltage	All Mounts
A	120-277	Available
	347-480	Available

LEDway® Series High Output Street Luminaires		
0-10V	System Watts Multiplier	Lumen Multiplier
<= 1.0	0.12	0.14
1.6	0.16	0.20
1.9	0.20	0.25
2.2	0.23	0.30
2.8	0.31	0.39
3.4	0.39	0.47
3.9	0.45	0.54
4.2	0.49	0.58

LEDway® Series High Output Street Luminaires Cont.		
0-10V	System Watts Multiplier	Lumen Multiplier
5.1	0.61	0.76
6.3	0.76	0.82
6.6	0.80	0.86
6.9	0.84	0.89
7.5	0.91	0.94
>= 8.0	1.00	1.00

0-10V Dimming Multipliers

Multipliers are for estimating purposes only.

XSP Series				
Product	Version	Input Power Designator	Voltage	Availability
XSP1 & XSP2	B	A-I	120-277	Standard
			347-480	Standard
	C	E & F	120-277	Standard
			347-480	Standard
XSPR	A	C	120-277	Standard
		G	120-277	Standard
	B	A	120-277	Standard
XSPW	A	C	120-277	Standard
			347	Standard
		G	120-277	N/A
			347	N/A

Version A: XSPR™ & XSPW™ Luminaires Version B: XSP1™ & XSP2™ Luminaires		
0-10V	System Watts Multiplier	Lumen Multiplier
<= 1.0	0.16	0.12
1.6	0.22	0.21
1.9	0.25	0.25
2.2	0.29	0.30
2.8	0.36	0.38
3.4	0.43	0.46
3.9	0.49	0.53
4.2	0.50	0.57
5.1	0.52	0.68
5.7	0.71	0.75
6.3	0.78	0.82
6.6	0.82	0.85
6.9	0.86	0.89
7.5	0.94	0.95
>= 8.0	1.00	1.00

Version B: XSPR™ Luminaires Version C: XSP1™ & XSP2™ Luminaires		
0-10V	System Watts Multiplier	Lumen Multiplier
<= 1.0	0.11	0.15
1.6	0.17	0.23
1.9	0.21	0.29
2.2	0.24	0.33
2.8	0.32	0.43
3.4	0.39	0.51
3.9	0.45	0.58
4.2	0.49	0.61
5.1	0.61	0.72
5.7	0.68	0.79
6.3	0.76	0.85
6.6	0.80	0.87
6.9	0.84	0.90
7.5	0.92	0.95
>= 8.0	1.00	1.00

LED Dimming Option

0-10V Dimming Multipliers

Multipliers are for estimating purposes only.

XSP High Output Series			
Product	Input Power Designator	Voltage	Availability
BXSP1 - HO	100W	120-277	Standard
BXSP2 - HO	165W	120-277	Standard
		347-480	Standard
BXSPR - HO	60W	120-277	Standard
	80W	120-277	Standard

XSP1™ High Output Luminaires		
0-10V	System Watts Multiplier	Lumen Multiplier
</= 1.0	0.09	0.13
2.0	0.20	0.26
2.6	0.25	0.35
3.0	0.30	0.41
3.3	0.34	0.45
3.7	0.43	0.50
4.0	0.44	0.54
4.8	0.53	0.64
5.0	0.58	0.67
5.3	0.62	0.71
6.0	0.70	0.78
6.7	0.80	0.87
7.0	0.86	0.90
7.2	0.89	0.92
10.0	1.00	1.00

XSP2™ High Output Luminaires		
0-10V	System Watts Multiplier	Lumen Multiplier
</= 1.0	0.09	0.12
2.0	0.23	0.22
2.6	0.29	0.31
3.0	0.34	0.37
3.5	0.41	0.41
4.0	0.47	0.46
4.6	0.53	0.50
5.0	0.60	0.59
5.6	0.67	0.62
5.8	0.70	0.66
6.4	0.78	0.74
7.0	0.85	0.82
7.2	0.89	0.85
7.7	0.98	0.87
10.0	1.00	1.00

XSPR™ High Output Luminaires		
0-10V	System Watts Multiplier	Lumen Multiplier
</= 1.0	0.09	0.13
2.0	0.19	0.26
2.6	0.26	0.35
3.0	0.31	0.41
3.3	0.35	0.46
3.7	0.43	0.51
4.0	0.44	0.56
4.8	0.53	0.66
5.0	0.57	0.69
5.3	0.62	0.73
6.0	0.69	0.81
6.7	0.80	0.89
7.0	0.86	0.92
7.2	0.89	0.94
10.0	1.00	1.00

Description:

Cree's 0-10V dimming is included standard with each RSW streetlight through the NEMA 7-Pin receptacle (ANSI C136.41 compatible controls by others).

Unlike traditional source technologies, LED performance improves when dimmed in terms of efficacy, longevity and lumen maintenance. This powerful combination allows for the selection of luminaires capable of delivering high levels of sustainable illumination performance when desired, but with the ability to be dimmed to deliver lower levels of illumination when appropriate with even greater energy savings.

Dimming Availability

RSW (S1) Series Luminaires	
Input Power	Availability
30W	Available
50W	Available

0-10V Dimming Multipliers

RSW (S1) Series Luminaires – 30 Watt		
0-10V	System Watts Multiplier	Lumen Multiplier
3.9	0.48	0.46
5.1	0.64	0.64
6.4	0.80	0.81
10	1.00	1.00

RSW (S1) Series Luminaires – 50 Watt		
0-10V	System Watts Multiplier	Lumen Multiplier
5.6	0.67	0.72
6.4	0.76	0.82
7.3	0.87	0.93
10	1.00	1.00

LED Dimming Option

Description:

Cree's 0-10V dimming is included standard with each RSW streetlight through the NEMA 7-Pin receptacle (ANSI C136.41 compatible controls by others).

Unlike traditional source technologies, LED performance improves when dimmed in terms of efficacy, longevity and lumen maintenance. This powerful combination allows for the selection of luminaires capable of delivering high levels of sustainable illumination performance when desired, but with the ability to be dimmed to deliver lower levels of illumination when appropriate with even greater energy savings.

Dimming Availability

RSW Small & Medium Series Luminaires	
Lumen Package	Availability
3L	Available
5L	Available
9L	Available

0-10V Dimming Multipliers

RSW™ Street Luminaires – 3L		
0-10V	System Watts Multiplier	Lumen Multiplier
</= 1.0	0.17	0.13
3	0.36	0.37
3.9	0.48	0.50
5.1	0.63	0.66
6.5	0.81	0.84
7	0.87	0.89
>/= 8.5	1.00	1.00

RSW™ Street Luminaires – 5L		
0-10V	System Watts Multiplier	Lumen Multiplier
</= 1.0	0.14	0.13
3	0.34	0.37
4.5	0.54	0.57
5.6	0.68	0.72
6.4	0.80	0.82
7.3	0.92	0.93
>/= 8.5	1.00	1.00

RSW™ Street Luminaires – 9L		
0-10V	System Watts Multiplier	Lumen Multiplier
1.0	0.11	0.14
2.0	0.23	0.24
3.0	0.35	0.37
4.0	0.49	0.51
5.1	0.61	0.70
5.9	0.72	0.75
6.1	0.75	0.78
6.4	0.79	0.83
6.7	0.84	0.89
7.2	0.91	0.96
7.6	0.98	0.98
11.1	1.00	1.00

BUILDING-MOUNTED LIGHT - 15' HEIGHT

McGraw-Edison

DESCRIPTION

The Galleon™ wall LED luminaire's appearance is complementary with the Galleon area and site luminaire bringing a modern architectural style to lighting applications. Flexible mounting options accommodate wall surfaces in both an upward and downward configuration. The Galleon family of LED products deliver exceptional performance with patented, high-efficiency AccuLED Optics™, providing uniform and energy conscious lighting for parking lots, building and security lighting applications.

SPECIFICATION FEATURES

Construction

Driver enclosure thermally isolated from optics for optimal thermal performance. Heavy wall aluminum housing die-cast with integral external heat sinks to provide superior structural rigidity and an IP66 rated housing. Overall construction passes a 1.5G vibration test to ensure mechanical integrity. UPLIGHTING: Specify with the UPL option for inverted mount upright housing with additional protections to maintain IP rating.

Optics

Choice of thirteen 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 3000K, 5000K and 6000K CCT. Greater than 90%

lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 1200mA, 800mA, and 600mA drive currents.

Electrical

LED drivers are mounted for ease of maintenance. 120-277V 50/60Hz, 347V or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Drivers are provided standard with 0-10V dimming. An optional Eaton proprietary surge protection module is available and designed to withstand 10kV of transient line surge. The Galleon Wall LED luminaire is suitable for operation in -30°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Emergency egress options for -20°C ambient environments and occupancy sensor available.

Mounting

Gasketed and zinc plated rigid steel mounting attachment fits directly to 4" j-box or wall with the Galleon Wall "Hook-N-Lock" mechanism for quick installation. Secured with two captive corrosion resistant black oxide coated allen head set screws which are concealed but accessible from bottom of fixture.

Finish

Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. 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.

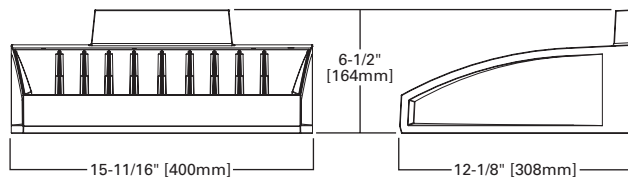


GWC GALLEON WALL LUMINAIRE

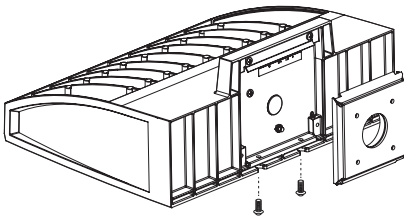
1-2 Light Squares
Solid State LED

WALL MOUNT LUMINAIRE

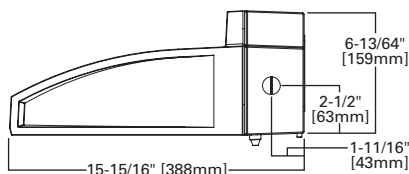
DIMENSIONS



HOOK-N-LOCK MOUNTING



BATTERY BACKUP AND THRU-BRANCH BACK BOX



CERTIFICATION DATA

UL/cUL Listed
LM79 / LM80 Compliant
IP66 Housing
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
-30°C Minimum Temperature
40°C Ambient Temperature Rating

SHIPPING DATA

Approximate Net Weight:
27 lbs. (12.2 kgs.)

POWER AND LUMENS

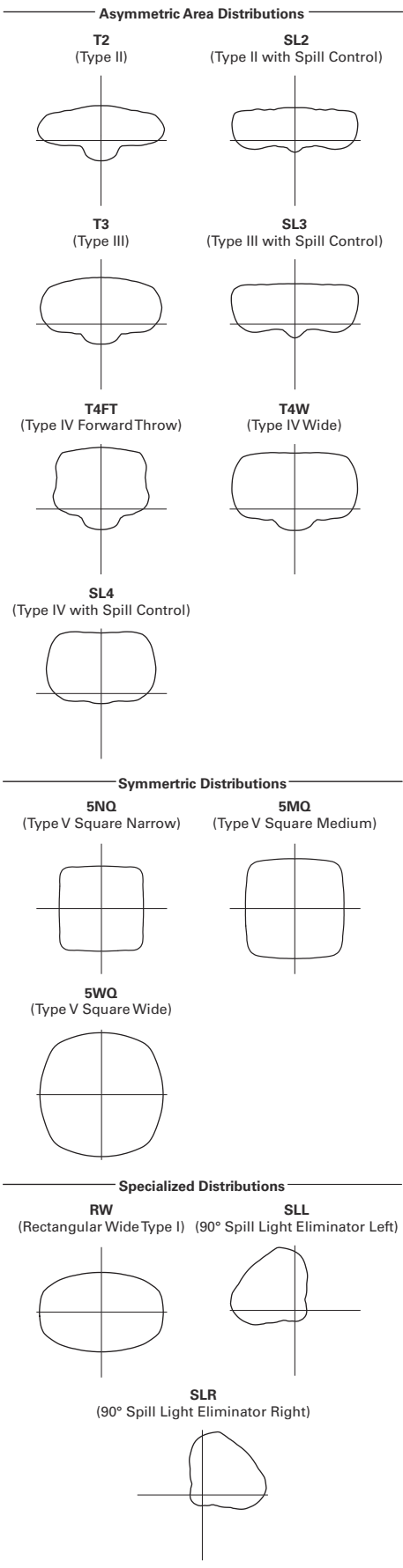
Number of Light Squares		1				2			
Drive Current		600mA	800mA	1.0A	1.2A	600mA	800mA	1.0A	1.2A
Nominal Power (Watts)		34	44	59	67	66	85	113	129
Input Current @ 120V (A)		0.30	0.39	0.51	0.58	0.58	0.77	1.02	1.16
Input Current @ 208V (A)		0.17	0.22	0.29	0.33	0.34	0.44	0.56	0.63
Input Current @ 240V (A)		0.15	0.19	0.26	0.29	0.30	0.38	0.48	0.55
Input Current @ 277V (A)		0.14	0.17	0.23	0.25	0.28	0.36	0.42	0.48
Input Current @ 347V (mA)		0.11	0.15	0.17	0.20	0.19	0.24	0.32	0.39
Input Current @ 480V (mA)		0.08	0.11	0.14	0.15	0.15	0.18	0.24	0.30
Optics									
T2	4000K/5000K Lumens	4,110	5,040	6,238	6,843	8,031	9,849	12,190	13,373
	3000K Lumens	3,638	4,461	5,522	6,057	7,109	8,718	10,791	11,838
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
T3	4000K/5000K Lumens	4,189	5,138	6,359	6,975	8,187	10,039	12,425	13,630
	3000K Lumens	3,708	4,548	5,629	6,174	7,247	8,887	10,999	12,065
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
T4FT	4000K/5000K Lumens	4,214	5,167	6,395	7,016	8,233	10,097	12,497	13,709
	3000K Lumens	3,730	4,574	5,661	6,211	7,288	8,938	11,062	12,135
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3
T4W	4000K/5000K Lumens	4,159	5,100	6,313	6,925	8,127	9,966	12,336	13,532
	3000K Lumens	3,682	4,515	5,588	6,130	7,194	8,822	10,920	11,979
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
SL2	4000K/5000K Lumens	4,102	5,032	6,227	6,831	8,018	9,832	12,170	13,350
	3000K Lumens	3,631	4,454	5,512	6,047	7,098	8,703	10,773	11,817
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
SL3	4000K/5000K Lumens	4,188	5,137	6,358	6,974	8,186	10,038	12,424	13,628
	3000K Lumens	3,707	4,547	5,628	6,173	7,246	8,886	10,998	12,064
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3
SL4	4000K/5000K Lumens	3,980	4,880	6,040	6,626	7,776	9,537	11,803	12,949
	3000K Lumens	3,523	4,320	5,347	5,865	6,883	8,442	10,448	11,462
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3
5NQ	4000K/5000K Lumens	4,321	5,298	6,558	7,193	8,443	10,353	12,814	14,057
	3000K Lumens	3,825	4,690	5,805	6,367	7,474	9,164	11,343	12,443
	BUG Rating	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2
5MQ	4000K/5000K Lumens	4,400	5,396	6,678	7,326	8,598	10,544	13,050	14,315
	3000K Lumens	3,895	4,777	5,911	6,485	7,611	9,334	11,552	12,672
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
5WQ	4000K/5000K Lumens	4,412	5,410	6,695	7,345	8,621	10,572	13,085	14,354
	3000K Lumens	3,906	4,789	5,926	6,502	7,631	9,358	11,583	12,706
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
SLL/SLR	4000K/5000K Lumens	3,681	4,515	5,588	6,129	7,193	8,821	10,917	11,976
	3000K Lumens	3,258	3,997	4,946	5,425	6,367	7,808	9,664	10,601
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3
RW	4000K/5000K Lumens	4,281	5,250	6,498	7,129	8,366	10,259	12,698	13,930
	3000K Lumens	3,790	4,647	5,752	6,311	7,406	9,081	11,240	12,331
	BUG Rating	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2

Fixture WB
(bldg west)

Fixture WA
(bldg SE corner)

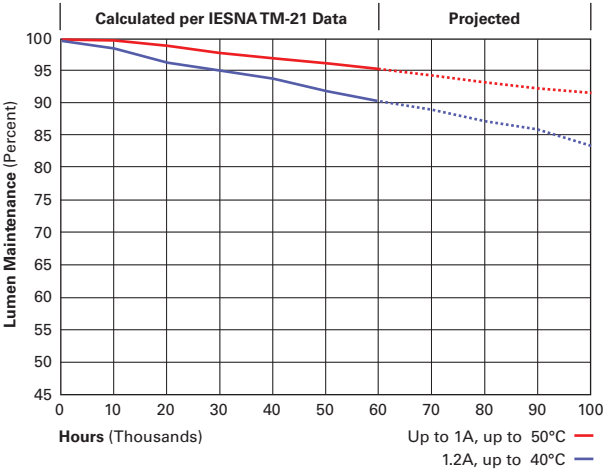
* Nominal lumen data for 70 CRI. BUG rating for 4000K/5000K. Refer to IES files for 3000K BUG ratings.

OPTICAL DISTRIBUTIONS



LUMEN MAINTENANCE

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	> 416,000
1.2A	Up to 40°C	> 90%	> 205,000



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

CONTROL OPTIONS

0-10V

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (P, R and PER7)

Optional button-type photocontrol (P) and photocontrol receptacles (R and PER7) provide a flexible solution to enable “dusk-to-dawn” lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

After Hours Dim (AHD)

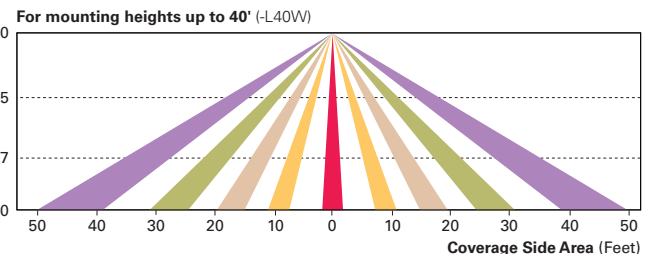
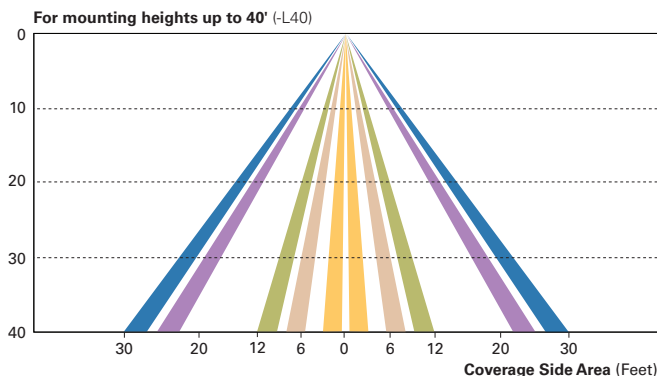
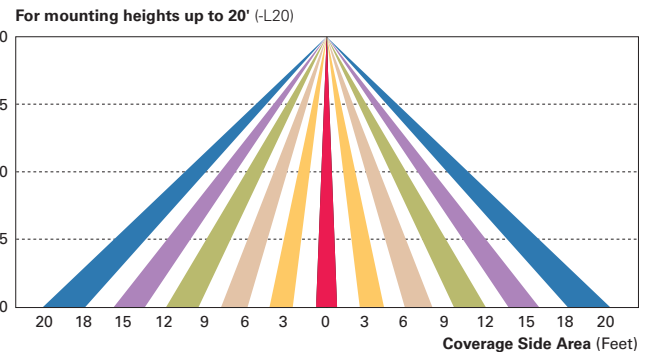
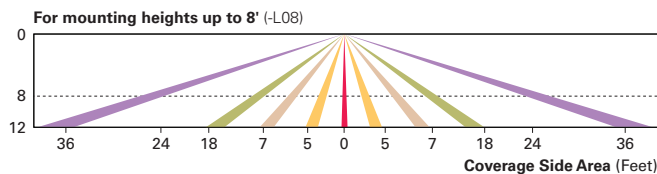
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a “dusk-to-dawn” period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (MS/DIM-LXX and MS-LXX)

These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for “dusk-to-dawn” control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters.

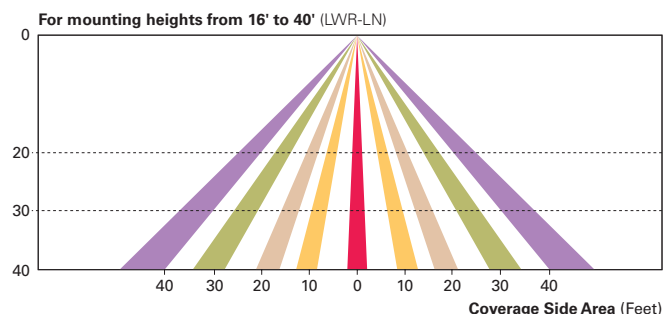
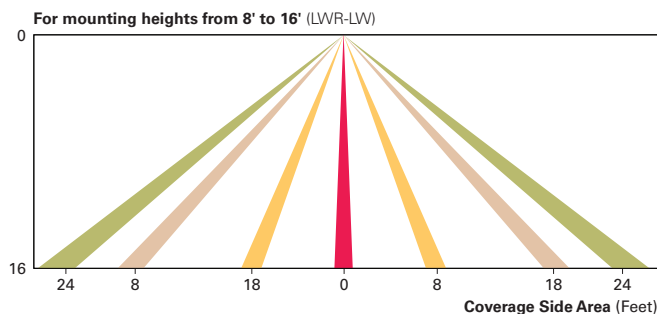
A variety of sensor lens are available to optimize the coverage pattern for mounting heights from 8'-40'.



LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)

The LumaWatt Pro system is a peer-to-peer wireless network of luminaire-integral sensors for any sized project. Each sensor is capable of motion and photo sensing, metering power consumption and wireless communication. The end-user can securely create and manage sensor profiles with browser-based management software. The software will automatically broadcast to the sensors via wireless gateways for zone-based and individual luminaire control. The LumaWatt Pro software provides smart building solutions by utilizing the sensor to provide easy-to-use dashboard and analytic capabilities such as improved energy savings, traffic flow analysis, building management software integration and more.

For additional details, refer to the LumaWatt Pro product guides.



ORDERING INFORMATION

Sample Number: GWC-AF-02-LED-E1-T3-GM

Product Family ¹	Light Engine	Number of Light Squares ²	Lamp Type	Voltage	Distribution	Color	Mounting Options
GWC=Galleon Wall	AF=1A Drive Current	01=1 02=2 ³	LED=Solid State Light Emitting Diodes	E1=120-277V 347=347V ⁴ 480=480V ^{4,5}	T2=Type II T3=Type III T4FT=Type IV Forward Throw T4W=Type IV 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 5NQ=Type V Square Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White CC=Custom Color ⁶	[BLANK]=Surface Mount
Options (Add as Suffix)					Accessories (Order Separately)		
7030=70 CRI / 3000K ⁷ 8030=80 CRI / 3000K ⁷ 7050=70 CRI / 5000K ⁷ 7060=70 CRI / 6000K ⁷ 600=Drive Current Factory Set to 600mA 800=Drive Current Factory Set to 800mA 1200=Drive Current Factory Set to 1200mA ⁸ F=Single Fused (120, 277 or 347V. Must Specify Voltage) FF=Double Fused (208, 240 or 480V. Must Specify Voltage) 10K=10kV Surge Module DIM=0-10V Dimming Leads ^{9,10} DALI=DALI Driver ¹¹ HA=50°C High Ambient ¹² UPL=Uplight Housing ¹³ BBB=Battery Pack with Back Box ^{3,8,9,14,15} CWB=Cold Weather Battery Pack with Back Box ^{3,8,9,14,15} P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) R=NEMA Twistlock Photocontrol Receptacle PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle ¹⁶ AHD145=After Hours Dim, 5 Hours ¹⁷ AHD245=After Hours Dim, 6 Hours ¹⁷ AHD255=After Hours Dim, 7 Hours ¹⁷ AHD355=After Hours Dim, 8 Hours ¹⁷ MS-LXX=Motion Sensor for On/Off Operation ^{18,19,20} MS/DIM-LXX=Motion Sensor for Dimming Operation ^{18,19,20} LWR-LW=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height ^{20,21,22} LWR-LN=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 20' Mounting Height ^{20,21,22} L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right MT=Factory Installed Mesh Top LCF=Light Square Trim Plate Painted to Match Housing ²³ HSS=Factory Installed House Side Shield ²⁴ CE=CE Marking and Small Terminal Block ²⁵					OA/RA1013=Photocontrol Shorting Cap OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V OA/RA1201=NEMA Photocontrol - 347V OA/RA1027=NEMA Photocontrol - 480V MA1252=10kV Circuit Module Replacement MA1059XX=Thru-branch Back Box (Must Specify Color) FSIR-100=Wireless Configuration Tool for Occupancy Sensor ¹⁸ LS/HSS=Field Installed House Side Shield ^{24,26}		

NOTES:

- DesignLight Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
- Standard 4000K CCT and minimum 70 CRI.
- Two light squares with BBB or CWB options limited to 25°C, 120/277V only.
- Requires the use of a step down transformer. Not available in combination with sensor options at 1200mA.
- Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
- Custom colors are available. Setup charges apply. Paint chip samples required. Extended Lead times apply.
- Extended lead times apply. Use dedicated IES files when performing layouts.
- Not available with HA option.
- Cannot be used with other control options.
- Low voltage control lead brought out 18" outside fixture.
- Only available with BBB or CWB in single light square. HA option available for single light square only. Limited to 1A and below.
- Not available with 1200, UPL, BBB and CWB options. Available for single light square only.
- Not available with SL2, SL3, SL4, HA, BBB, CWB, R, or PER7 options.
- Operates a single light square only. Cold weather option operates -20°C to +40°C, standard 0°C to +40°C. Backbox is non-IP rated.
- Switched / unswitched option standard for 120/277V only.
- Compatible with standard 3-PIN photocontrols, 5-PIN or 7-PIN ANSI controls.
- Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information.
- The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.
- Replace LXX with mounting height in feet for proper lens selection (e.g., L8=8' mounting height). L8, L20, L40, and L40W are available options.
- Includes integral photosensor.
- LumaWatt Pro wireless sensors are factory installed requiring network components in appropriate quantities. See www.eaton.com/lighting for LumaWatt Pro application information.
- Bronze sensor is shipped with Bronze fixtures. White sensor shipped on all other housing color options.
- Not available with HSS option.
- Only for use with SL2, SL3 and SL4 distributions. The light square trim plate is painted black when the HSS option is selected.
- CE is not available with the 1200, DALI, LWR, MS, MS/DIM, P, R or PER7 options. Available in 120-277V only.
- One required for each light square.



**ASTM E 90 SOUND TRANSMISSION LOSS
TEST REPORT**

Rendered to:

SIMTEK™ FENCE

SERIES/MODEL: Simtek 8-Foot Wall

TYPE: Privacy Fence

Summary of Test Results			
Data File No.	Description (Nominal Dimensions)	STC	OITC
89608.01	Simtek 8-foot wall, simulated rock wall, 8' by 8' privacy fence section	26	20

Reference should be made to Architectural Testing, Inc. Report No. 89608.01-113-11 for complete test specimen description. The complete test results are listed in Appendix B.



ACOUSTICAL PERFORMANCE TEST REPORT

Rendered to:

SIMTEK™ FENCE
1330 West 400 North
Orem, Utah 84057

Report No: 89608.01-113-11
Test Date: 03/03/09
Report Date: 03/10/09
Expiration Date: 03/03/13

Test Sample Identification:

Series/Model: Simtek 8-Foot Wall

Type: Privacy Fence

Overall Size: 96" by 96"

Material: Polyethylene

Pattern: Simulated Rock Wall

Project Scope: Architectural Testing, Inc. was contracted by SimTek™ Fence to conduct a sound transmission loss test on a Series/Model Simtek 8-foot wall, privacy fence. A summary of the results is listed in the Test Results section and the complete test data is included as Appendix B of this report. The sample was provided by the client.

Test Methods: The acoustical tests were conducted in accordance with the following:

ASTM E 90-04, *Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions.*

ASTM E 413-04, *Classification for Rating Sound Insulation.*

ASTM E 1332-90 (Re-approved 2003), *Standard Classification for Determination of Outdoor-Indoor Transmission Class.*

ASTM E 2235-04, *Standard Test Method for Determination of Decay Rates for Use in Sound Insulation Test Methods.*

Test Equipment: The equipment used to conduct these tests meets the requirements of ASTM E 90. The microphones were calibrated before conducting sound transmission loss tests. The test equipment and test chamber descriptions are listed in Appendix A.

Sample Installation: Sound transmission loss tests were initially performed on a filler wall that was designed to test 96" by 96" specimens. The filler wall achieved an STC rating of 68.

The 96" by 96" plug was removed from the filler wall assembly. The privacy fence was placed on a foam isolation pad in the test opening. Duct seal was used to seal the perimeter of the privacy fence to the test opening on both sides. The interior side of the privacy fence, when installed, was approximately 1/4" from being flush with the receiving room side of the filler wall. A stethoscope was used to check for any abnormal air leaks around the test specimen prior to testing.

Test Procedure: The sound transmission loss test consisted of the following measurements: One background noise sound pressure level and five sound absorption measurements were conducted at each of the five microphone positions. Two sound pressure level measurements were made simultaneously in both rooms, at each of the five microphone positions. The air temperature and relative humidity conditions were monitored and recorded during the background, absorption, source, and receive room measurements.

Sample Descriptions: A polyethylene fence section measuring 96" by 96" was tested. SimTek™ Fence provided all test materials, and the test specimen did not arrive assembled. Two horizontal sections were installed between two end posts.

Each horizontal section was 89-7/8" wide by 48" high and approximately 2" thick. Both horizontal sections were hollow-molded polyethylene with an 18 gauge thick, 1-1/2" by 1-1/2" hollow steel stiffener in the top and bottom rails.

The two polyethylene end posts were a nominal 5" by 5" by 96", C-channel shape. Each post was filled with recycled polyethylene and had a 14 gauge, 2" by 3" hollow steel reinforcement channel. The vertical sections were stacked and inserted into both C-channel shaped end posts.

Comments: The weight of the sample was 188 lbs. The client did not supply drawings on the Series/Model Simtek 8-foot wall, privacy fence. The test specimen was returned per the client's request. Photographs of the test specimen are included in Appendix C.

Test Results: The STC (Sound Transmission Class) rating was calculated in accordance with ASTM E 413. The OITC (Outdoor-Indoor Transmission Class) was calculated in accordance with ASTM E 1332. A summary of the sound transmission loss test results on the Series/Model Simtek 8-foot wall, privacy fence is listed below.

Summary of Test Results			
Data File No.	Description (Nominal Dimensions)	STC	OITC
89608.01	Simtek 8-foot wall, simulated rock wall, 8' by 8' privacy fence section	26	20

The complete test results are listed in Appendix B. Flanking limit tests and reference specimen tests are available upon request.

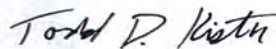
Detailed drawings, data sheets, representative samples of test specimens, a copy of this report, or other pertinent project documentation will be retained by Architectural Testing for a period of four years from the original test date. At the end of this retention period, such materials shall be discarded without notice and the service life of this report will expire. Results obtained are tested values and were secured by using the designated test methods. This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. It is the exclusive property of the client so named herein and relates only to the specimen tested. This report may not be reproduced, except in full, without the written approval of Architectural Testing.

For ARCHITECTURAL TESTING, INC:



Digitally Signed by: Kurt A. Golden

Kurt A. Golden
Senior Technician - Acoustical Testing




Digitally Signed by: Todd D. Kister

Todd D. Kister
Laboratory Supervisor - Acoustical Testing

KAG:jmc

Attachments (pages): This report is complete only when all attachments listed are included.

- Appendix-A: Equipment description (1)
- Appendix-B: Complete test results (2)
- Appendix-C: Photographs (1)

	Architectural Testing, Inc., is accredited by the International Accreditation Service, Inc. (IAS) under the specific test methods listed under lab code TL-144, in accordance with the recognized International Standard ISO/IEC 17025:2005. The laboratory's accreditation or test report in no way constitutes or implies product certification, approval, or endorsement by IAS. This test report applies only to the specimen that was tested.
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Revision Log

<u>Rev. #</u>	<u>Date</u>	<u>Page(s)</u>	<u>Revision(s)</u>
0	03/10/09	N/A	Original Report Issue

Appendix A

Instrumentation:

Instrument	Manufacturer	Model	Description	ATI Number
Analyzer	Agilent Technologies	35670A	Dynamic signal analyzer	Y002929
Receive Room Microphone	G.R.A.S.	40AR	1/2", pressure type, condenser microphone	Y003246
Source Room Microphone	G.R.A.S.	40AR	1/2", pressure type, condenser microphone	Y003245
Receive Room Preamp	G.R.A.S.	26AK	1/2" preamplifier	Y003249
Source Room Preamp	G.R.A.S.	26AK	1/2" preamplifier	Y003248
Microphone Calibrator	Brüel & Kjær	4228	Pistonphone calibrator	Y002816
Noise Source	Delta Electronics	SNG-1	Two, uncorrelated "Pink" noise signals	Y002181
Equalizer	Rane	RPE228	Programmable EQ	Y002180
Power Amplifiers	Renkus-Heinz	P2000	Two Amplifiers	Y002179 Y001779
Receive Room Loudspeakers	Renkus-Heinz	Trap Jr/9"	Two Loudspeakers	Y001784 Y001785
Source Room Loudspeakers	Renkus-Heinz	Trap Jr/9"	Two Loudspeakers	Y002649 Y002650

Test Chamber:

	Volume	Description
Receiving Room	8291.3 ft ³ (234 m ³)	Rotating vane and stationary diffusers. Temperature and humidity controlled. Isolation pads under the floor.
Source Room	7296.3 ft ³ (206.6 m ³)	Stationary diffusers only. Temperature and humidity controlled.

	Maximum Size	Description
TL Test Opening	14 ft wide by 10 ft high	Vibration break between source and receive rooms.

Appendix B
Complete Test Results



SOUND TRANSMISSION LOSS

ASTM E 90

Architectural Testing

ATI No.	89608.01	Date	03/03/09
Client	SimTek™ Fence		
Specimen	Series/Model: Simtek 8-foot wall, simulated rock wall, 8' by 8' privacy fence section		
Specimen Area	64.00 Sq Ft		
Filler Area	76.00 Sq Ft		
Operator	Kurt Golden		

	Bkgrd	Absorp	Source	Receive	Filler	Specimen
Temp F	71.2	70.9	71.7	71.1	71.8	71.2
RH %	44.1	44.6	45.1	44.3	42.9	44.5

Freq (Hz)	Bkgrd SPL (dB)	Absorp (Sabines /Sq Ft)	Source SPL (dB)	Receive SPL (dB)	Filler TL (dB)	Specimen TL (dB)	95% Conf Limit	No. of Defici- encies	Trans Coef Diff
80	40.3	55.5	83.9	70.8	47.1	14	2.04	0	32.6
100	39.3	50.6	87.9	74.3	47.9	15	2.27	0	32.5
125	41.5	51.7	91.8	77.4	55.1	15	2.01	0	39.0
160	39.3	56.3	94.5	80.8	55.3	14	1.22	0	40.4
200	38.3	57.5	98.6	84.5	54.5	15	0.60	1	39.1
250	36.8	63.6	99.1	85.0	57.0	14	0.96	5	42.1
315	36.1	69.1	98.0	81.1	57.5	17	0.78	5	40.1
400	34.4	74.6	97.6	78.7	62.5	18	0.81	7	43.6
500	34.0	69.5	99.1	77.2	66.0	22	0.36	4	43.7
630	32.2	65.0	101.8	76.3	67.0	25	0.45	2	40.8
800	35.2	63.5	101.2	72.0	70.6	29	0.38	0	40.6
1000	32.7	65.5	100.9	69.2	74.0	32	0.26	0	41.7
1250	32.4	72.7	104.0	71.3	75.3	32	0.53	0	42.4
1600	30.1	77.1	110.0	78.3	74.1	31	0.47	0	42.5
2000	21.2	83.3	105.3	74.0	72.3	30	0.22	0	41.3
2500	10.9	98.8	103.7	72.6	74.6	29	0.22	1	44.7
3150	11.6	114.4	104.3	73.2	80.2	29	0.44	1	50.9
4000	9.5	137.9	103.2	69.8	83.2	30	0.33	0	52.4
5000	7.8	176.6	101.4	64.8	86.2	32	0.46	0	53.3

STC Rating = 26 *(Sound Transmission Class)*
Deficiencies = 26 *(Number of deficiencies versus contour curve)*
OITC Rating = 20 *(Outdoor/Indoor Transmission Class)*

Notes:

- 1) The acoustical chambers are qualified for measurements down to 80 hertz. Data reported below 80 hertz is for reference only.
- 2) Transmission loss coefficient differences less than 6 indicate the lower limit of the transmission loss for this specimen. These cells are highlighted red.
- 3) Transmission loss coefficient differences between 6 and 15 indicate there has been a filler wall correction applied. These cells are highlighted green.
- 4) Receive Room levels less than 5dB above the Background levels are highlighted in yellow.



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Architectural Testing

ATI No. 89608.01

Date 03/03/09

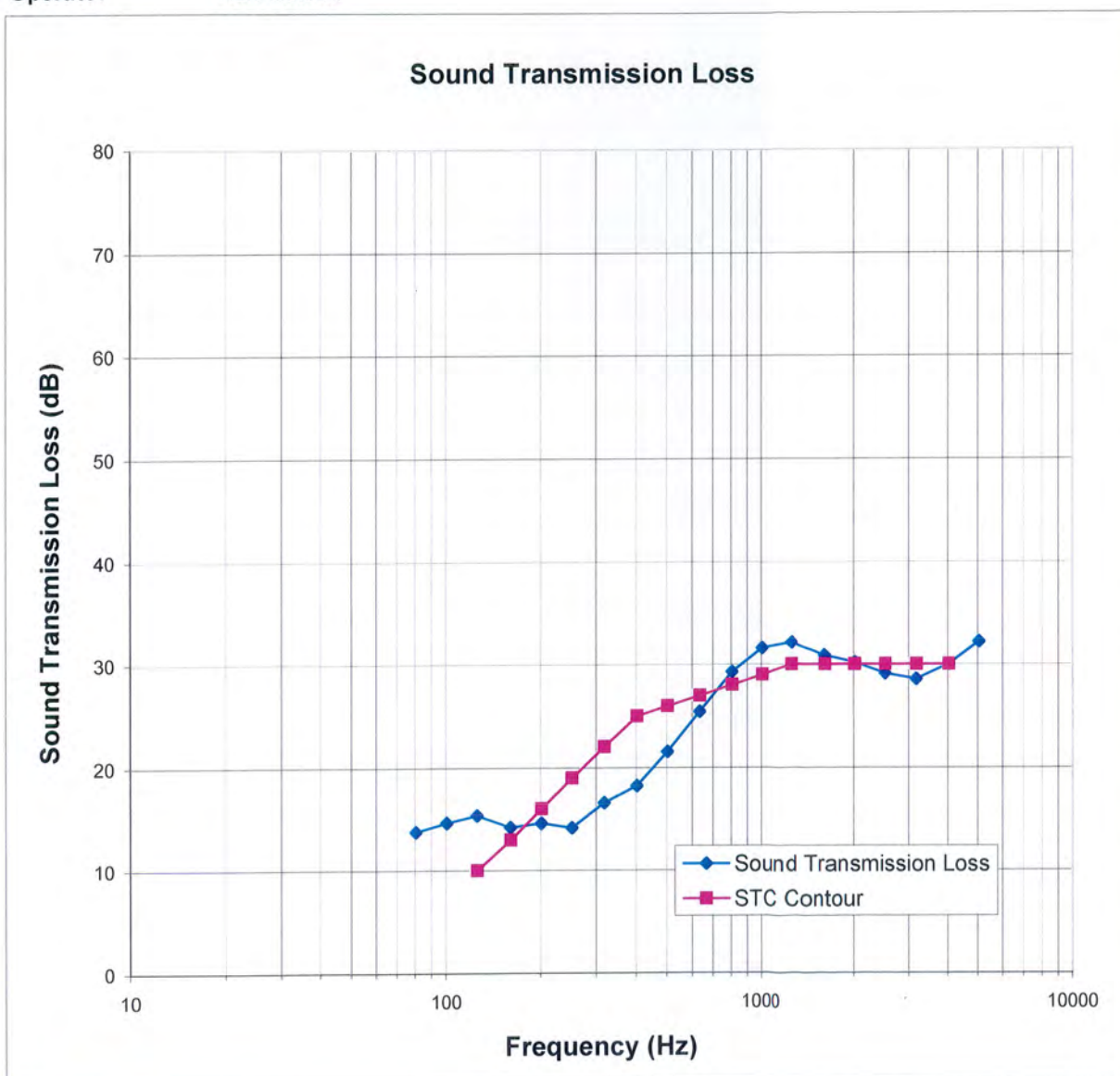
Client SimTek™ Fence

Specimen Series/Model: Simtek 8-foot wall, simulated rock wall, 8' by 8' privacy fence section

Specimen Area 64.00 Sq Ft

Filler Area 76.00 Sq Ft

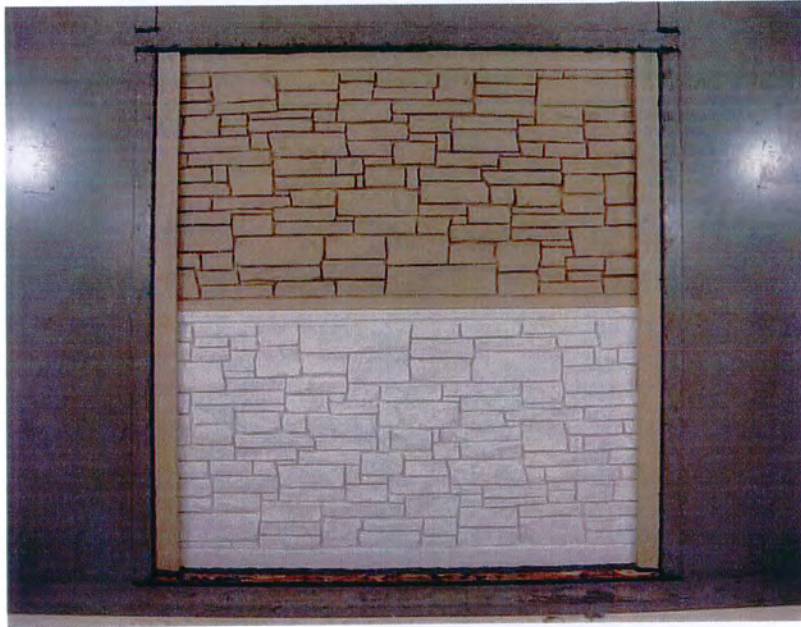
Operator Kurt Golden



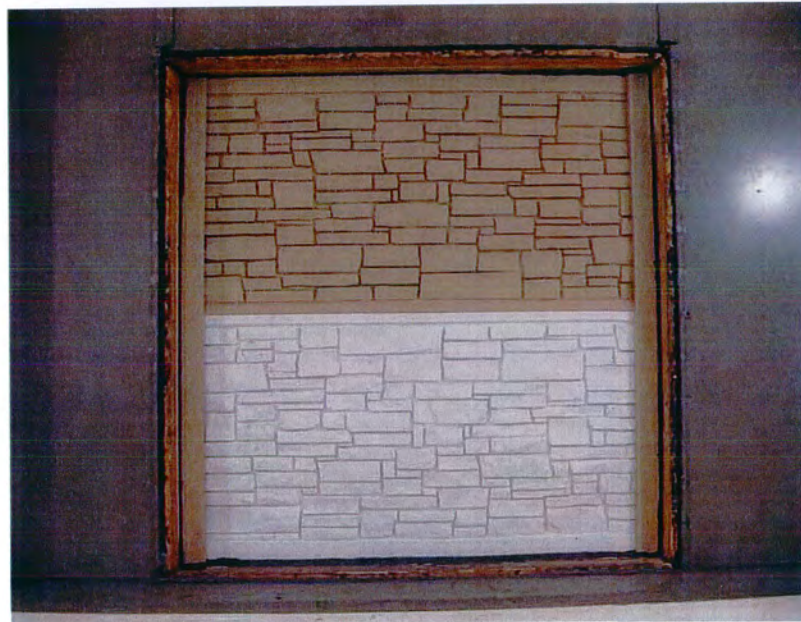
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Appendix C

Photographs

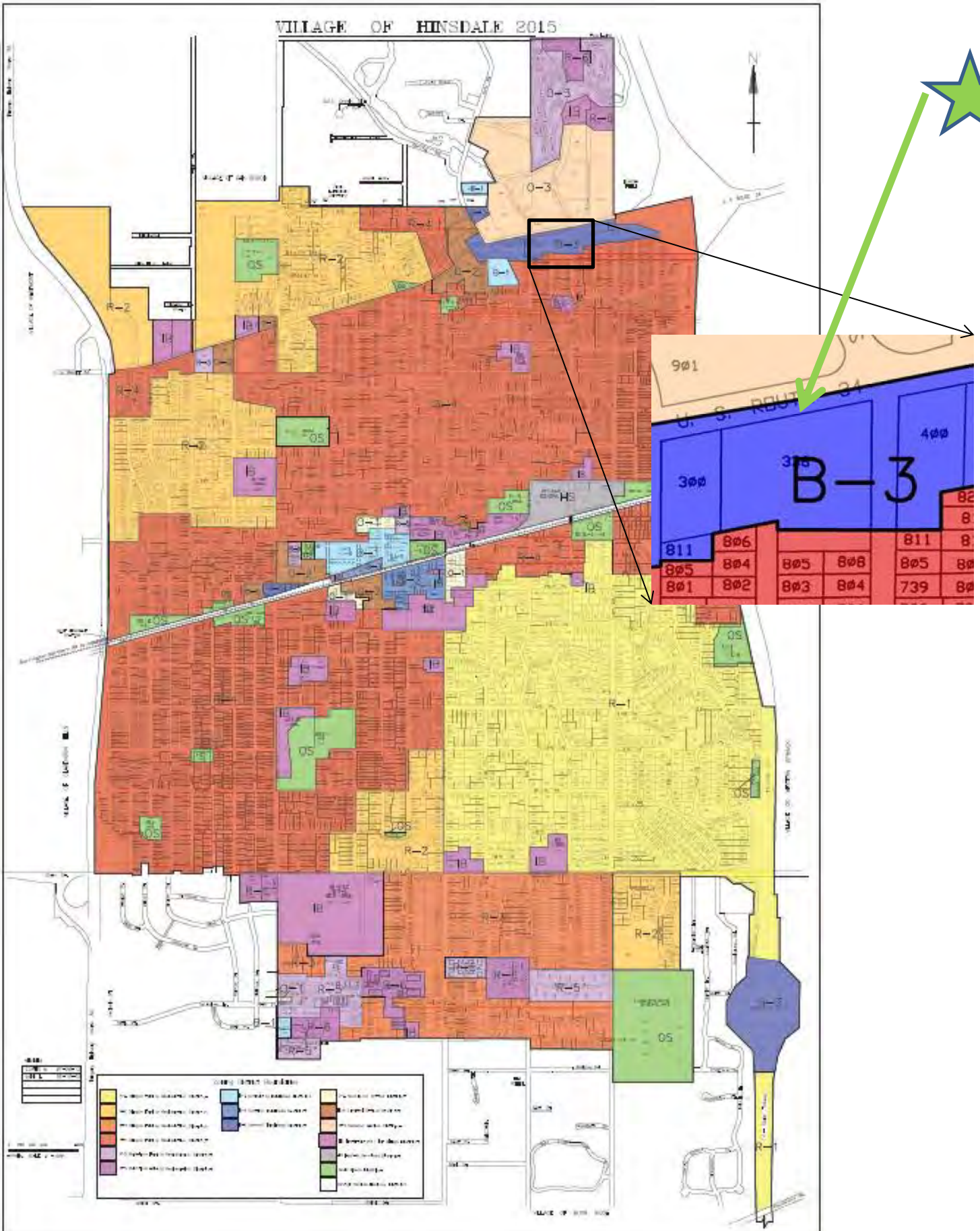


Receive Room View of Installed Specimen

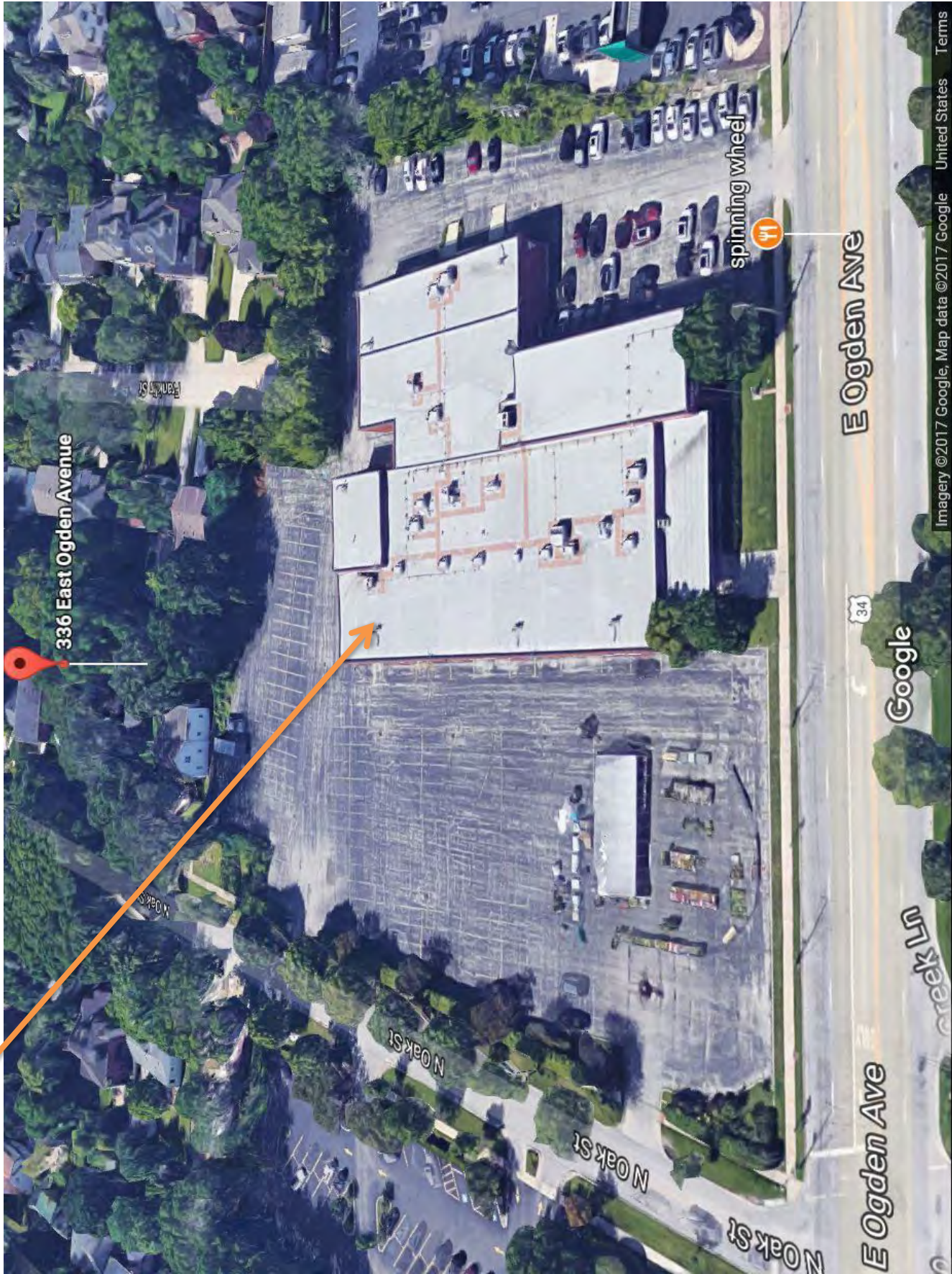


Source Room View of Installed Specimen

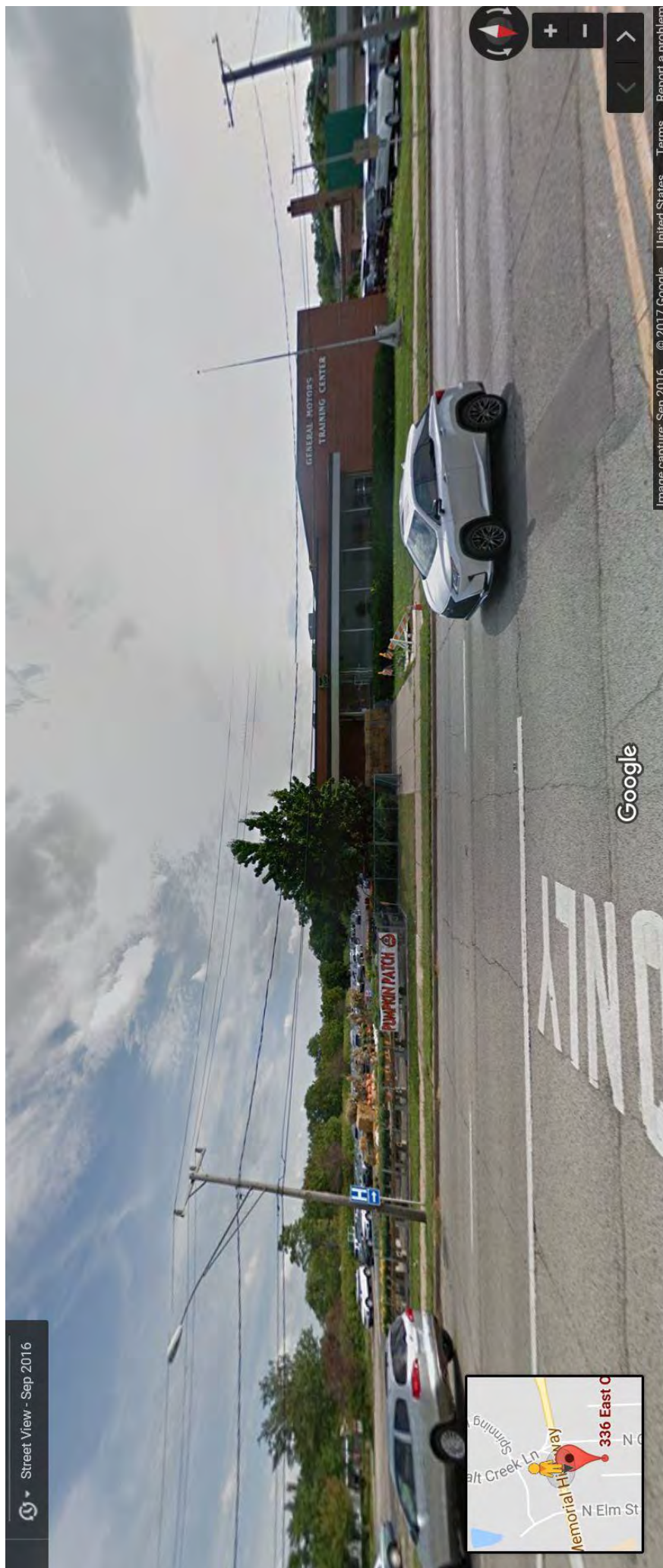
Attachment 2: Village of Hinsdale Zoning Map and Project Location



Attachment 3: Birds Eye View of 336 E. Ogden Ave. (facing south)
Application Location



Attachment 4: Street View of 336 E. Ogden Ave. (facing south)



Attachment 4: Street View of 336 E. Ogden Ave. (facing south)



Chan Yu

From: Junguo Bian <bian138@gmail.com>
Sent: Tuesday, October 31, 2017 12:20 PM
To: Chan Yu
Cc: Mike Stick
Subject: Re: Land Rover Neighborhood Meeting on Monday, October 30 at 6:30 pm

Dear Mr. Chan Yu,

It was nice seeing you yesterday at the Land Rover Neighborhood meeting. As a follow-up to yesterday's meeting, I want to express my concerns on the bushes that the Land Rover dealership planned to cut and hope you can forward my concerns to the plan commission.

The dealership planned to cut the height of the bushes to only three or four feet and they stated the reason for doing that is to increase the drivers' sight due to safety concern. I personally don't see it is necessary to cut the bushes if it is to have a better sight for the driver. They only need to remove very small portions of bushes near the entrance or exit for that purpose. Just take a look at the entrance/exit of Chase bank on the opposite side of the Oak street. The dealership is transforming an car education facility into a large car repair shop. I think they should minimize the impact on the residents around the area. The bushes serve as a green wall that will shield local residents from the dealership. The green wall is a barrier for both noises and light from the dealership. Especially the south portions of the bushes are directly facing a resident house. With all the service garage doors moving to the east side of the building, the dealership should consider strengthening the sound barrier on the east side instead of cutting them. Oak street is already a relatively busy street and I would expect much more traffic with this car service facility. And from environmental point of view, I think they should consider having more plants on the oak street instead of cutting the height of the bushes with the increased vehicle emissions.

Thank you very much!

Junguo Bian

On Thu, Oct 26, 2017 at 10:32 AM, Mike Stick <MStick@butlerrubin.com> wrote:

Dear Neighbors:

Land Rover has scheduled another neighborhood meeting to discuss its revised application and plans for the GM facility that abuts the north end of Franklin Street. The meeting will be held on Monday, October 30 at 6:30 pm. It will take place at the GM facility which is the subject of Land Rover's application. We are to meet at the front entrance of the GM facility on the north side of the building (facing Ogden Avenue). I am told that Land Rover will make a presentation and will conduct a walking tour inside and outside the facility if the neighbors so desire.

Chan Yu

From: Mike Stick [REDACTED]
Sent: Thursday, November 02, 2017 10:51 PM
To: Chan Yu
Cc: Thomas Cauley personal e-mail address; Mike Stick; Kathleen Gargano
Subject: November 8 Plan Commission Meeting: Land Rover Application
Attachments: Residents ltr to PC 11 02 17.pdf; ATT00001.htm

Chan,

Attached is a letter from residents affected by Land Rover's proposed development of the GM Training site. Land Rover's application is on the agenda for the November 8 Plan Commission. I would appreciate it if you would include this letter in the packets that are delivered to each member of the Plan Commission. Thank you.

Michael Stick

November 2, 2017

Village of Hinsdale
19 E. Chicago Avenue
Hinsdale, IL 60521

Attn: Chairman Cashman and Plan Commissioners

Dear Chairman Cashman and Members of the Plan Commission:

We are residents of North Franklin and North Oak Street. Our homes are located in the areas adjacent to or in the immediate vicinity of the current GM Training Facility located at 336 E. Ogden Avenue (the "Site"). Land Rover proposes to convert the former educational facility at the Site into a car dealership and to turn the south portion of the Site into a massive repair shop with 20 service bays and a car wash operation. The residents of the adjacent area most affected by Land Rover's proposed repair shop have requested that Land Rover construct a brick or solid masonry wall along the Site's south property line. There is ample support for this request.

The overall purpose of the Hinsdale zoning code is "to maintain Hinsdale as one of the nation's finest residential suburbs by preserving and enhancing its historic character as a community comprised principally of well-maintained single family residential neighborhoods and small, thriving business areas oriented to serve the day-to-day needs of local residents." Consistent with this overall purpose, it is our understanding that the Village required the Fuller's Service Center in downtown Hinsdale to build a brick wall on three sides of its property. Like the Fuller's site, Land Rover's proposed repair shop abuts residential property on only one side. But, unlike the Fuller's facility, Land Rover's proposed repair shop: 1) is much closer to a residential neighborhood, 2) is much larger, and 3) and does not appear oriented to simply serving "the day-to-day needs of local residents."

Land Rover first submitted its application for consideration at the Plan Commission's September 13, 2017 meeting. At that meeting, various members of the Plan Commission, including the Chair, encouraged Land Rover on at least seven (7) separate occasions to consider constructing a "brick" or "solid masonry wall" along the south property line. In sum, the residents' request for such a wall is supported by the overall purpose of the Hinsdale zoning code, past Village precedent, and the urging of Commission members when this application was last considered.

In response to the Plan Commission's September 13 suggestions, Land Rover proposed to install either 1) a slatted wood fence with gaps that inadequately blocks noise and light, 2) a Trex composite fence, or 3) a SimTek plastic fence. Importantly, Land Rover acknowledges that its most noise absorbing option – the SimTek plastic fence – has a noise absorbing rating that is, at most, comparable to the noise absorbing rating of a standard interior office wall.

Land Rover does not question that the brick or solid masonry wall requested by the residents and suggested by the Plan Commission will provide a significantly better buffer against noise than any of its three proposed options. Instead, Land Rover has consistently referenced its inadequate construction budget in rejecting the residents' request. Land Rover's construction budget for the Site exceeds \$6 million and will pay for, among other things, an elegant car dealership and that huge 20-bay repair shop and car washing facility. Unfortunately, Land Rover has dedicated very little of its budget to addressing the residents' request for a barrier along the south property line: Land Rover proposes spending less than 1% of its overall budget or no more than approximately \$55,000 for its most expensive option, the SimTek plastic fence.

Faced with Land Rover's inadequate budget, the residents offered a compromise proposal in early October that Land Rover construct a pre-cast, stamped concrete wall along the south property line – a less costly alternative to the brick or solid masonry wall requested by residents and suggested by the Plan Commission. The residents even obtained and provided Land Rover with a quote for installation of a pre-cast concrete wall. Such a wall would likely cost about 33% of what Land Rover claims a brick or solid masonry wall would cost. This proposed compromise was a reasonable and good faith attempt by the residents to address many, but by no means all, of their major concerns while taking into consideration Land Rover's inadequate budget. To date, Land Rover has ignored the residents' compromise proposal.

The Plan Commission encouraged Land Rover on September 13th to reconfigure its floor plan to eliminate the garage doors used by vehicles exiting the repair shop on the south side of the building. Shortly after the October 2 neighborhood meeting, Land Rover submitted revised plans to the Plan Commission that, instead of eliminating any of the south facing garage doors, added three additional garage doors on the building's south side. To its credit, Land Rover eventually acceded to the Plan Commission's request and eliminated garage doors on the south side. However, Land Rover now claims it will incur approximately \$50,000 in additional construction cost to comply with this Plan Commission request and is using this additional cost as justification for limiting its investment in a south property line barrier. But, the company has also revised its initial plans submitted to the Plan Commission calling for cladding all four sides of its building and is now proposing that it only clad the north side. Not only does the elimination of cladding on three sides of the building adversely affect the overall appearance of the southern portion of the Site, Land Rover will likely recapture significant material and construction costs by eliminating the cladding.

We understand that Land Rover's proposed facility promises to be a significant source of sales tax revenue for the Village and that car dealerships on Ogden Avenue are a permitted use. However, it is our further understanding that repair shops are not a permitted use on this B-3 zoned site. Significantly, Land Rover acknowledged at the September 13 Plan Commission meeting that "the revenue generator for the [new] facility is service" and that "the primary driver for this project are the service bays" at its proposed 20-bay repair shop – the portion of the Site that most adversely affects the residents in the area. Under these circumstances, we think it is fundamentally unfair for North Franklin Street and North Oak Street area residents to

shoulder an unreasonable burden in conjunction with the Village's attempts to attract a revenue source intended to benefit Hinsdale as a whole.

This letter addresses only the residents' concerns regarding a barrier along the south property line of the Site. There are additional resident concerns, including concerns about landscaping and the lighting of the Site, that have not been adequately addressed by Land Rover and that could be raised at the November 8 Plan Commission meeting. We are prepared to welcome Land Rover as a new neighbor, but would like the applicant to do what is reasonably necessary to address the residents' legitimate concerns regarding noise, light, safety and aesthetics. At this point, Land Rover has ignored the residents' good faith, compromise fence proposal, which was intended to accommodate Land Rover's inadequate budget. Consequently, we request that the Plan Commission reject Land Rover's application unless the applicant commits to building a brick or solid masonry wall along the south property line of the Site.

Very truly yours

Michael A. Stick, Michael A. Stick, 802 Franklin Street

Linda Rempert, Linda Rempert, 804 Franklin Street

Michael Rempert, Michael Rempert, 804 Franklin Street

DAN BASSIL, D.P., 803 FRANKLIN ST

Christina

CHRISTINA CIRGIS, 803 FRANKLIN ST

Pb Lee, Pontus Mattsson, 805 FRANKLIN ST

Ulrika Ulrika Mattsson, 805 Franklin St.

Mary Beth King MARY BETH KING 743 FRANKLIN ST.

Allie King Allie King 743 FRANKLIN ST.

Robert A. Hopkins Rob Hopkins 732 N. FRANKLIN ST.

Brian J. Gambler Brian J. Gambler 736 Franklin St.

Nick Skokna Nick SKOKNA 808 N. OAK

Amber Bauer-Gambler Amber Bauer-Gambler 736 Franklin St.

Junguo Bian Junguo, Bian 811 N. Oak