



Cochise County

Development Services
Planning Division

Public Programs...Personal Service
www.cochise.az.gov

APPLICATION FOR A SPECIAL USE

Applicant's Name: Green Desert Patient Center of Peoria, Inc.

Name of All Property Owner(s): Banyan Farms, LLC and Magnolia Farms, LLC

Applicant Mailing Address:

1155 W Rio Salado Parkway, Suite 201, Tempe, AZ 85281

Street #	Town	State	Zip code

Subject Property Address (if different than mailing address):

5655 E Gaskill Road, Willcox, AZ 85643

Street #	Town	State	Zip code

Email Address: jfrancoeur@harvestinc.com

Phone Number: 951-234-1305

Tax Parcel Number: 30543056G, 30543056F, 40101003E and 40101003F

Current Zoning Designation: RU-4

Comprehensive Plan Land Use Category/Growth Area: N/A

Comprehensive Plan Land Use Designation: N/A

Area Plan Designation (if applicable): N/A

Size of Property (in acreage or square feet): 304.43 acres

How many acres will be cleared and developed? 291.93 acres

Describe your relationship to this application. (Select one)

I am the property owner

I am an authorized agent for the property owner

Bisbee Office

1415 Melody Lane, Building F
Bisbee, Arizona 85603
520-432-9300
520-432-9278 fax
planningandzoning@cochise.az.gov

If the applicant is not the property owner, please attach a notarized letter of authorization to this application.

The Purpose of a Special Use

Special Uses include uses or activities with a greater potential for impacts on neighboring properties than the permitted uses in a Zoning District. Examples of Special Uses are manufacturing, RV Parks, guest ranches, hospitals and schools. These more intense uses must be carefully reviewed to decide if they could make good neighbors to the existing uses. For this reason, a Special Use Permit requires a public hearing and approval by the Planning and Zoning Commission before it is allowed.

What is the Process?

1. Pre-application meeting with County planning staff.
2. Citizen Review Process – the applicant must send notice to all property owners within a radius of no less than 300 feet of the subject parcel(s), as shown on the most recent available records of the last property tax assessment. The County Zoning Inspector may expand the mailed notification area to greater than a 300-foot radius at time of application acceptance if there are compatibility concerns associated with the request.
3. Application Submittal
4. Technical review by relevant internal staff and external agencies
5. Public Hearing – Planning and Zoning Commission (Approval/Denial)

Appeals

The Commission action can be appealed to the Board of Supervisors by anyone who disagrees with the outcome. Appeals must be filed within fifteen (15) calendar days of the Commission action. The applications are available online “Appeal: Board of Supervisors.”

Required Submittals

1. This application
2. Citizen Review Report
3. Site plan -drawn to scale showing the existing and proposed District boundaries and an accurate legal description of the area being petitioned for amendment. See “concept plan instructions for special uses” (included in this application). Please see our website for an example plan: <https://www.cochise.az.gov/development-services/special-uses>
4. Letter of Authorization (for authorized agents, if applicable)
5. Hazardous or polluting materials attachment (only if hazardous materials are proposed, if applicable)
6. Deed restrictions (if applicable)
7. Outdoor lighting, manufacturers specifications (if applicable)
8. Processing Fee

Concept Plan Instructions for Special Uses

Sometimes, an applicant will seek approval for a particular special use or uses on a piece of property well ahead of actual construction or operation of that use. Often the exact dimensions of structures or configuration of uses on the property are not known yet until the uses have been approved and the applicant has invested resources into site planning. The Zoning Regulations allow for the submittal of a "Concept Plan" in lieu of a site plan in the case of phased special uses on one property or a special use where construction is not anticipated within one year. However, if the use(s) are approved by the Planning and Zoning Commission, then a detailed site plan meeting the requirements of the Zoning Regulations will be required for each use or phase and shall be in substantial conformance with the approved special use. If the site plan is not within substantial conformance with the approved use and concept plan, then the special use will need to be reviewed, in a public hearing, by the Commission once again to modify the original proposal. **Note: any**

anticipated waivers of site development standards such as setbacks, screening, landscaping or parking spaces must be requested, justified, and approved by the Commission prior to the issuance of a building permit.

In order to adequately review the proposed special use(s) on a piece of property, a Concept Plan must include at a minimum the following information:

- Parcel boundaries and adjacent roads;
- The general location, size and height of all structures and uses (existing and proposed), including minimum setbacks from parcel boundaries, washes and roads;
- The general location and minimum number of parking spaces to be provided, including proposed surface and width of driveways;
- Proposed screening and landscaping;
- Any significant topographical features (washes, hills, rock outcroppings, wetlands) and cultural features of the property and adjacent parcels;
- If applicable, project phasing (approximate schedule of uses and construction) and any other information deemed necessary to effectively review the Special Use.

Please state the reason for this request and why it should be supported.

See #1 of "Special Use Permit Application Supplement"

Identify the utility company/service provider for each of the following services and state if additional provisions or future connections are required in the space below.

Service Provider	Service Provider	Additional Provisions Required
Water/Well	On-site well	Additional well drilling/commissioning required
Sewer/Septic	Septic	Additional septic infrastructure required
Electricity	Sulfur Springs Valley Electric Co-Op	Additional power to be brought to property
Natural Gas	Southwest Gas	Additional gas connections, if necessary
Telephone	None	None
Fire Protection	Willcox Fire Department	None
Waste Disposal	Sulphur Springs Sanitation	Additional waste pickups, if necessary

Is this request consistent with all deed restrictions or private covenants in effect for this property? If applicable, please include a copy of these restrictions/covenants with this application.

Yes
 No
 Not applicable (no deed restrictions or covenants)

Describe all **existing** structures/uses present on the subject parcel. Note: the size and location of existing structures must be shown on the accompanying site plan.

See #2 of "Special Use Permit Application Supplement"

Describe all **proposed** structures/uses on the parcel that to be placed on the parcel. Note: the size and location of proposed structures must be shown on the accompanying site plan.

See #3 of "Special Use Permit Application Supplement"

Is the proposed special use consistent with stated purpose of the current zoning district? Explain.

See #4 of "Special Use Permit Application Supplement"

Describe all intermediate and final products/services that will be produced/offered/sold, if applicable.

See #5 of "Special Use Permit Application Supplement"

What materials will be used to construct the new building(s)? (Note, for an existing building(s), please also list the construction type(s), i.e., factory-built building, wood, block, metal).

See #6 of "Special Use Permit Application Supplement"

Will the project be constructed/completed within one year or phased?

One year

Phased

If this is a phased project, describe the phases here and physically depict them on the site plan.

See #7 of "Special Use Permit Application Supplement"

What are the days and hours of operation (if applicable)?

Days of the week: Monday through Sunday

8 AM to 5 PM

Number of employees (if applicable):

Initially 7 Future: 53

Total average daily traffic generated (non-residential uses):

How many vehicles will be entering and leaving the site (per day)? See #8

Total trucks (e.g., by type, number of wheels, or weight)? See #9

Estimate which direction(s) and on which road(s) the traffic will travel from the site.

See #10 of "Special Use Permit Application Supplement"

If more than one direction, estimate the percentage that travel in each direction.

See #11 of "Special Use Permit Application Supplement"

At what time of day, day of week and season (if applicable) is traffic the heaviest?

See #12 of "Special Use Permit Application Supplement"

Will your property be served by a private well? If private well, show the location on the site plan. Also, please answer the following:

Estimated total gallons of water used: per day 1.65M per year 3B

Will your property be served by a septic system? Yes No

If yes, show the septic tank, leach field and 100% expansion area on the site plan, and indicate whether the system is existing or proposed.

Does your parcel have permanent legal access*? If no, what steps are you taking to obtain such access? (*Our Zoning Regulations state that no building permit for a nonresidential use shall be issued unless a site has permanent and direct access to a publicly maintained street or street where a private maintenance agreement is in place. Said access shall be not less than twenty (20) feet wide throughout its entire length and shall adjoin the site for a minimum distance of twenty (20) feet. If access is from a private road or easement provide documentation of your right to use this road or easement and a private maintenance agreement.)

See #13 of "Special Use Permit Application Supplement"

Which streets or easements will be used for traffic entering or exiting the property? (Please label on the accompanying plan)

See #14 of "Special Use Permit Application Supplement"

What impact will this have on the traffic volume of roads serving this subject property?

See #15 of "Special Use Permit Application Supplement"

How many driveway cuts are proposed along streets or easements to allow site access? State whether this is an increase/decrease and whether any existing cuts will need relocation.

See #16 of "Special Use Permit Application Supplement"

Does the subject parcel have site access onto a major road?

Yes

No

Are you requesting any modifications or waivers from site development standards? Please explain.

See #17 of "Special Use Permit Application Supplement"

Is the subject property within Sierra Vista Sub-Watershed Overlay Zone? If so, please indicate this, and that you understand that it will be subject to additional plan reviews and inspections whenever a building permit is required.

Yes, and I understand the permitting requirements

No, it's outside the boundaries

Please describe your citizen review process (if applicable). Specifically, state whether you received any responses to your mailed notice or public meeting. Explain how your special use application has incorporated the feedback you received.

See #18 of "Special Use Permit Application Supplement"

Identify the utility company/service provider for each of the following services and state if additional provisions or future connections are required in the space below.

Service Provider	Service Provider	Additional Provisions Required
Water/Well	On-site well	Additional well drilling/commissioning required
Sewer/Septic	Septic	Additional septic infrastructure required
Electricity	Sulfur Springs Valley Electric Co-Op	Additional power to be brought to property
Natural Gas	Southwest Gas	Additional gas connections, if necessary
Telephone	None	None
Fire Protection	Willcox Fire Department	None
Waste Disposal	Sulphur Springs Sanitation	Additional waste pickups, if necessary

Describe any outdoor activity associated with your special use proposal.

See #19 of "Special Use Permit Application Supplement"

Will outdoor storage of equipment, materials or products be needed? If yes, show the location on the site plan. Describe any measures to be taken to screen this storage from neighboring properties.

See #20 of "Special Use Permit Application Supplement"

Will any noise or vibrations be produced that can be heard or felt on neighboring properties on a regular basis? if yes; describe the level and duration of this noise. What measures are you proposing to prevent this noise from being heard on neighboring properties?

See #21 of "Special Use Permit Application Supplement"

Will odors be created? If yes, what measures will be taken to prevent these odors from escaping onto neighboring properties?

See #22 of "Special Use Permit Application Supplement"

Will any on-site activities attract pests, such as flies or mice? If yes, what measures will be taken to prevent a nuisance on neighboring properties?

See #23 of "Special Use Permit Application Supplement"

Will additional dust be created on a regular basis? If yes, what measures will be taken to prevent this dust from escaping onto neighboring properties or roadways?

See #24 of "Special Use Permit Application Supplement"

Is outdoor lighting proposed? If yes, show the location(s) on the site plan. Indicate how neighboring properties and roadways will be shielded from light spillover. Please submit manufacturer's specifications for all light fixtures.

Yes No See #25 of "Special Use Permit Application Supplement"

Will you be performing any off-site construction (e.g., access aprons, driveways, and culverts)? If yes, show details on the site plan. Note: The County may require off-site improvements reasonably related to the impacts of the use such as road or drainage improvements.

Yes No

Show on-site drainage flow on the site plan. Will drainage patterns on site be changed? If so, please indicate on the site plan and describe below.

See #26 of "Special Use Permit Application Supplement"

If more than one acre is to be cleared, describe the proposed dust and erosion control measures to be used and show on site plan, if appropriate.

See #27 of "Special Use Permit Application Supplement"

If the developed portion of the site is one acre or larger, specific measures to conserve water on-site must be provided. Specifically, design features that will be incorporated into the development to reduce water use, provide for detention and conserve and enhance natural recharge areas must be described. What specific water conservation measures are proposed (for applicable site 1+ acres)? Describe here and/or show on the site plan submitted with this application.

See #28 of "Special Use Permit Application Supplement"

Do you anticipate the use of any hazardous or dangerous materials? If yes, please complete a "Hazardous or Polluting Materials Attachment" and attach it to this application.

Yes No

I hereby certify that I am the owner or duly authorized owner's agent and all information in this questionnaire, in the Joint Permit Application and on the site plan is accurate. I understand that if any information is false, it may be grounds for revocation of the Commercial Use/ Building/ Special Use Permit. In addition, I hereby request all inspections necessary to process this application, and if the permit is issued, I request all inspections necessary to monitor progress, and document completion, at all stages of the work related to this permit. Failure to obtain permits may result in fines or other penalties.

Applicant Signature

1/29/2021

Date

Special Use Permit Application Supplement

Green Desert Patient Center of Peoria, Inc.

1. The purpose of this Special Use Permit (SUP) Application is to request a modification to the existing Special Use Permit Approval (Docket SU-18-06) issued to Green Desert Patient Center of Peoria, Inc. on March 28, 2018. The Applicant's primary purpose for requesting the SUP modification is centered around the increasing demand for marijuana flower and marijuana-related products throughout the State of Arizona, as permitted by law. The increased capacity requested under the SUP Application will bring economic benefit to Cochise County and its residents through (i) increased tax revenue, (ii) well-paying and reliable jobs and (iii) increased need for service-related businesses involved in the development and maintenance of the structures on the property.

2. The current structures on APN 30543056G are used for the cultivation and processing of medical marijuana, as approved under Docket SU-18-06. The structures include the following:

- 1, 60,000 square foot greenhouse building used for cultivation of marijuana
- 1, 10,000 square foot greenhouse building used for propagation of marijuana plants
- 1, 7,250 square foot storage warehouse used for storing of raw goods and ancillary equipment utilized in the cultivation process
- 1, 672 square foot pump house used for the well servicing the property
- 1, 576 square foot generator building used for supporting structures for electricity
- 1, 50' by 100' pellet mill (not in use)
- 2.5 acres of unimproved land approved for cultivation of marijuana under Docket SU-18-06

The current structure on APN 40101003F is an approximate 1,500 square foot, vacant manufactured home. This home is not occupied and will be removed during the development of the structures proposed under this SUP Application.

3. The proposed structures across APNs 30543056F, 40101003E and 40101003F include:

- 1,016 hoop houses covering 128.5 acres used for cultivation
- 2 greenhouses covering 24.09 acres used to veg, flower, and produce plants
- 27 shade structures covering 6.9 acres for cultivation
- 2 water storage areas covering 10 acres used to collect drainage and rainwater
- 2 drying rooms covering 22 acres used for drying plant material
- 2 infusion/processing spaces covering 6 acres using for manufacturing
- 3 irrigation and storage spaces covering 15 acres used for irrigation and storage of materials
- 1 general management area covering 1.4 acres

-1 leach field and septic area covering 3.4 acres

The proposed structures on APN 30543056G include:

-10-acre outdoor area for the cultivation of marijuana (in addition to and contiguous with the 2.5 acres approved under Docket SU-18-06)

-1, 12,000 square foot support facility for post-harvest functions in the cultivation process

See "Attachment #1 – Multibay Windy End Kit Manual," "Attachment #2 – Rain Gutter," "Attachment 3 – Shade Net Plans," and "Attachment 4 – Greenhouse Structure Plans" for more specifications on proposed structures.

4. The property has a zoning designation of RU-4. Pursuant to Section 1825.01 – Zoning Districts of the Cochise County Zoning Regulations, "Medical Marijuana Dispensaries, Medical Marijuana Dispensary Cultivation Facilities, Medical Marijuana Infusion Facilities, and Medical Marijuana Cultivation Facilities are allowed by Special Use Authorization in the Rural (RU-4, RU-10, RU-18, RU-36), General Business, Light, and Heavy Industry Zoning Districts." Therefore, the proposed special use is consistent with the permissible uses in the zoning district where this property is situated.

5. Raw, unprocessed, cannabis plant material will be cultivated in the hoop houses, outdoor cultivation space, and greenhouse structures. This cultivated plant material will be sent to post-harvest areas for the purposes of transforming the material into bulk flower, trim, shake, and biomass. A portion of this material will be used for infusing into manufactured goods, such as extracts, consumables, and resin. Inputs for the cultivation process includes coir, various forms of fertilizer, and water. Inputs for the infusion process includes hydrocarbons and CO₂. Products will only be arranged for sale to third-party dispensaries who hold an active Arizona Department of Health Services Dispensary Registration Certificate and Approval to Operate.

6. Materials for construction include steel, plastic, concrete, glass, prefabricated masonry/framing, metal, and wood. The existing structures on-site consist of steel, corrugated metal, concrete, glass, wood, and prefabricated masonry/framing.

7. This project will be phased as follows:

-Phase 1 (4 to 6-month duration):

-1 irrigation and storage building covering 1 acre

-1 flower greenhouse covering 1.09 acres

-27 cultivation shade structures covering 6.9 acres

-4 water tanks holding 1500m³ covering 0.3 acres

-10-acre outdoor cultivation area (in addition to the pre-approved 2.5 acres approved under Docket SU-18-06)

-12,000 square foot post-harvest support facility

-Phase 2 (6 to 8-month duration):

- 556 hoop houses covering 69.5 acres
- 1 veg greenhouse covering 23 acres
- 1 irrigation and storage building covering 9 acres
- 1 water storage area covering 9.7 acres
- 1 drying room covering 11 acres
- 1 infusion/processing space covering 3 acres
- 1 leach field and septic area covering 3.4 acres
- 1 general management office area covering 1.4 acres

-Phase 3 (6 to 8-month duration):

- 460 hoop houses covering 59 acres
- 1 drying room covering 11 acres
- 1 infusion/processing space covering 3 acres
- 1 irrigation and storage building covering 5 acres

8. Average daily traffic generated per phase is as follows:

- Phase 1: 8 per day
- Phase 2: 45 per day
- Phase 3: 90 per day

9. Following construction, total truck count includes 1, 18-wheel semi-trailer truck per week, with an increase to 8, 18-wheel semi-trailer trucks per week during the months of June and October.

10. Traffic will flow to and from Bell Ranch Road, both in a northerly and southerly direction, to the main entrance to the facility located on E Gaskill Road between Bell Ranch Road and Calle Contento.

11. Traffic flowing northerly and southerly from Bell Ranch Road to E Gaskill Road is expected to be split 50% in both directions; however, this ratio is subject to change based on conditions of roads, development in the area, and any inclement weather.

12. Traffic will be heaviest during weekday operating hours in June and September through the end of October.

13. The parcel(s) have permanent legal access from E Gaskill Road, Bell Ranch Road, E Canada Lane, E Parker Ranch Road, and Calle Contento.

14. E Gaskill Road, Bell Ranch Road, E Canada Lane, E Parker Ranch Road, and Calle Contento are streets that will be used for traffic entering and exiting the property.

15. Traffic will increase during the buildout of each of the phases, as contractors and delivery drivers will be frequenting the property. Once the site is operational, there will be employees traveling to the site, deliveries (although less frequent than construction), and dispatch of outgoing product.

16. There are four proposed curb cuts, all of which will be located on the eastern side of the group of parcels along Bell Ranch Road. This is a net increase in the amount of existing curb cuts and there are no proposed relocations of existing curb cuts.

17. The SUP Application is not requesting any modification or waivers from site development standards.

18. Public noticing letters were mailed to neighboring property owners on December 17, 2020, in accordance with standards outlined by Cochise County. As of January 29, 2021, the Applicant has not received any responses from the neighboring property owners.

19. The outdoor cultivation proposed for APN 30543056G will involve outdoor activity associated with the special use. After plants have completed the cloning stage, they will be transported to the outdoor cultivation area where they will be planted in designated pots for the veg and flowering phase. Once the plants are ready for harvesting, they will be removed from their planted section and relocated to the post-harvest area for the next phase of the cultivation process.

20. Outdoor storage of equipment, material, and products will be needed. During the buildout of each phase, material used for the construction process will be stored and secured in accordance with local and state standards. Upon completing each phase, equipment, material, and products will be stored in accordance with the designated storage area on the site plan. If any temporary storage is needed, temporary structures may be constructed on unused portions of the site and in accordance with local and state regulations.

21. Aside from construction-related equipment operating during the buildout phases, there will be no noise or vibrations occurring on a regular basis that can be heard by neighbors. The Applicant will attempt to mitigate construction-related noise and vibrations outside of normal working hours.

22. There will be an aroma associated with the outdoor cultivation operations, however, the plant aroma will peak around flowering season, which should occur no more than three times a year. The outdoor cultivation area will be located on the eastern-most side of the property, so it will be the furthest distance possible from neighboring structures/dwellings.

23. The Applicant will use biological control, an integrated pest management process, that will reduce the chance of any pest build up on the property. Additionally, pests will be controlled using glue collection traps and pesticides that are organic and compliant with guidelines set forth by the Organic Materials Review Institute.

24. The Applicant will build internal access roads to limit dust and utilize gravel covering where possible. If dust becomes an issue, the Applicant will seek services for a tanker to spray water on-site and mitigate dust.

25. The Applicant will use IDA compliant lights to minimize upward light pollution. Additionally, the lights placed on the property will use integral louver and house-side shield technology to minimize light spillover onto neighboring properties. See "Attachment 5 – Outdoor Lighting" for lighting specifications.

26. Drainage patterns will not be materially affected by the buildout of the facility.

27. A water tanker equipped with spray mechanisms will be used during buildout. This will reduce the amount of dust and erosion occurring from increased vehicle and heavy equipment traffic on-site. The developed property will be cleared with a gradual slope to help with any water drainage needed during construction activities.

28. Operations on the subject property will use precision drip irrigation, which, according to a study by Washington State University, has been shown to reduce expended water by 50%. Ditches will also be created around the boundary of the property for drainage support and rain collection. Water rain collection reservoirs will also be used to retain rainwater, which will be used for irrigation.



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Community Development
 Planning, Zoning and Building Safety Division
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HAZARDOUS OR POLLUTING MATERIALS ATTACHMENT

This information will help determine what provisions you may need to make to address any hazardous or polluting materials that might be associated with your proposed commercial use. All international fire and building code standards must be followed. It is highly recommended that you understand the requirements for the safe storage and transfer of hazardous materials in advance of finalizing your design plans.

APPLICANT NAME Green Desert Patient Center of Peoria, Inc.

TAX PARCEL NUMBER 30543056G, 30543056F, 40101003E and 40101003F

Your Facility Information

Name of your company/business: Green Desert Patient Center of Peoria, Inc.

Name of responsible party (e.g., owner or operator): Banyan Farms, LLC and Magnolia Farms, LLC

Mailing address of responsible party: 1155 W Rio Salado Parkway, Suite 201

City: Tempe State: AZ Zip: 85281

Phone/fax number(s) of responsible party: 951-234-1305

E-mail address of responsible party: jfrancoeur@harvestinc.com

Your Materials Information

These questions do not apply to ordinary household or office products or wastes such as cleansers, waxes, or office supplies. It applies only if the hazardous or polluting materials are involved in the commercial business, or if grounds or maintenance chemicals (pesticides, fertilizers, paints, etc.) will be present in quantities greater than 50 pounds (solids) or 25 gallons (liquids).

1. List hazardous and polluting materials (including raw materials, products, wastes, emissions, discharges, etc.) that will be **brought to, stored, manufactured, produced, generated, processed or otherwise used at or released or transferred from the site.** Note the maximum quantities you plan to store at any given time.

Material	See #1 of "Hazardous or Polluting Materials Attachment Supplement"	Quantity
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Planning, Zoning and Building Safety
 1415 Melody Lane, Building E
 Bisbee, Arizona 85603
 520-432-9300
 520-432-9278 fax
 1-877-777-7958
 planningandzoning@cochise.az.gov

Highway and Floodplain
 1415 Melody Lane, Building F
 Bisbee, Arizona 85603
 520-432-9300
 520-432-9337 fax
 1-800-752-3745
 highway@cochise.az.gov
 floodplain@cochise.az.gov

Material _____ Quantity _____

Material _____ Quantity _____

Material _____ Quantity _____

2. How will you store these hazardous or polluting substances? (For example, automotive batteries require impervious flooring, flammables require NFPA 30 cabinets, gas cylinders need restraints, and many chemicals have specific requirements, such as secondary containment areas for liquids. These requirements are found in the Material Safety Data Sheets (MSDS) or can be requested from ADEQ.)
See #2 of "Hazardous or Polluting Materials Attachment Supplement"

3. What methods will you use to ensure proper containment during use or ventilation? (Include potential waste and by-products as well as the substances themselves.)
See #3 of "Hazardous or Polluting Materials Attachment Supplement"

4. How will you dispose of the waste or excess substances? (Be advised that commercial operators may not use the County transfer stations household hazardous waste program. The County's transfer stations only handle household materials and you must have an appropriate disposal method for commercial quantities and substances.)
See #4 of "Hazardous or Polluting Materials Attachment Supplement"

Based on your business use of hazardous materials and/or polluting materials you may be requested to provide additional information which may include Chemical Abstract Service Registry Numbers (CASRN), waste codes, Material Safety Data Sheets (MSDS) and/or various plans or permits required by federal, state or local regulations. The County's Building Official and/or Emergency Service staff may also contact you for additional information about materials referenced on this form.

By my signature below, I hereby certify that all the information presented in this form is accurate to the best of my knowledge. I understand that I may be contacted to provide additional information and may need to obtain federal, state or local permits to bring, store, manufacture, produce, generate, process or otherwise use at or release or transfer hazardous materials from my site.

Applicant Signature

1/29/2021
Date

Steve White, President of Green Desert Patient Center of Peoria, Inc.

Print Name/Company

Owner Agent

Hazardous or Polluting Materials Attachment Supplement

Green Desert Patient Center of Peoria, Inc.

1.

Material	Quantity
Potassium Nitrate	2,000 pounds
Dipcal (Nitric Acid, Ammonium, Calcium, Salt)	2,000 pounds
Monopotassium Phosphate Anhydrous	2,000 pounds
Micronutrients	500 pounds
Phosphoric Acid	2,000 pounds

2. These products will be stored on spill containment pallets, in a locked warehouse. Access to the warehouse will be restricted.

3. Products will be diluted with water prior to use. Concentration of the product used will not be high enough to reach exposure limits. Goggles and rubber gloves will be used when handling the product.

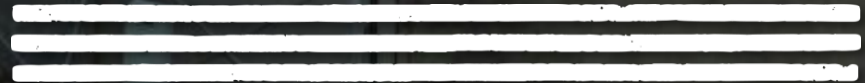
4. There will be no waste of excess substances. Drainage from cultivated crops will be blended with fresh water to dilute if applied to landscaping plants. Any commercial quantities and substances will be handled in accordance with appropriate regulations. None of our proposed products/substances for use will require special handling.

Attachment #1 – Multibay Windy End Kit Manual



MULTIBAY WINDY END KIT MANUAL

TM00162

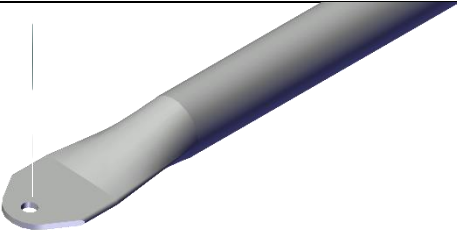
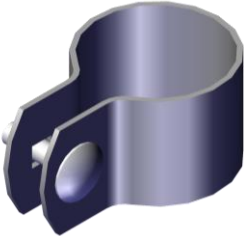
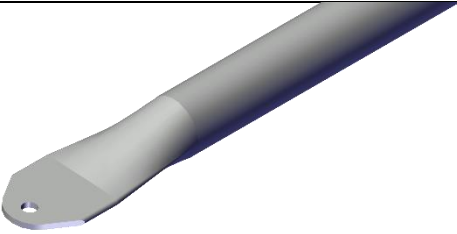


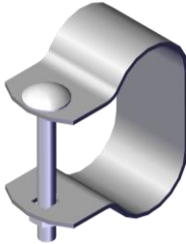
Haygrove

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PARTS LIST

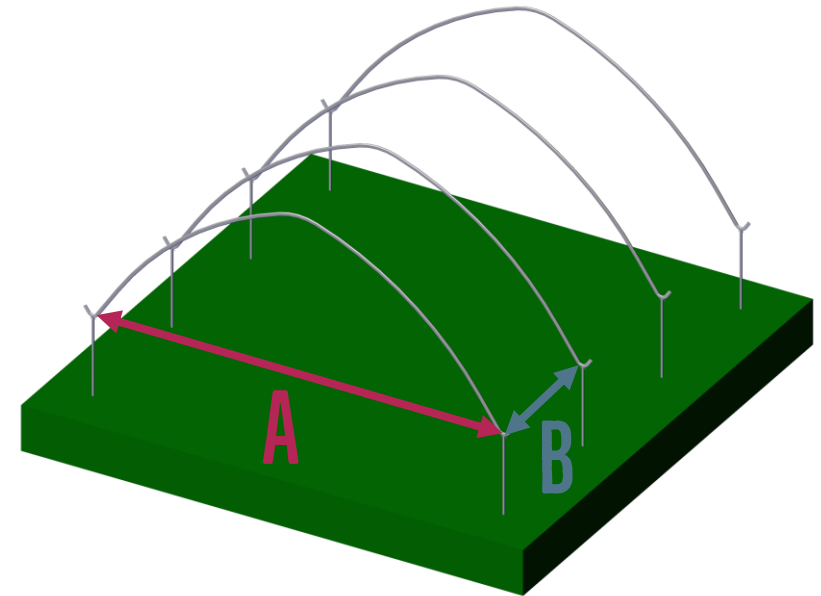
Manual Label	View of the Part	Part Number(s)	Description
Leg Strut		<p>SXXX4015A SXXX3515A</p>	<p>XXXcm long Leg Strut</p>
Leg Clamp		<p>C50AC C40AC C60AC C60HCNB C50HCNB C40HCNB C40HCNBXS C60UB C508UB C40UB</p>	<p>Clamp for fixing to 50mm or 40mm Leg</p>
Hoop Strut		<p>SXXX4015A SXXX3515A</p>	<p>XXXcm Long Hoop Strut</p>

<p>Hoop Clamp</p>		<p> C8040BHSOAC C6040BHSOAC C60AC C50AC C40AC C8040BHSOHCNB C6040BHSOHCNB C60HCNB C50HCNB C40HCNB C40HCNBXS C8040HSOUB C6040HSOUB C60UB C508UB C40UB </p>	<p>Clamp for fixing to Hoop</p>
-------------------	---	--	---------------------------------

STRUT LENGTH LOOKUP TABLES

A - BAY WIDTH

B - END SPACING



Leg Struts

Leg Length (m)	Drill Depth (m)	End Spacing (m)					
		1.8	2.0	2.2	2.5	3.0	3.3
2.0	0.75	2	2.2	2.4	2.7	3.1	3.4
2.25	0.85	2.2	2.3	2.5	2.7	3.2	3.5
	1.0	2	2.2	2.4	2.7	3.1	3.4
2.5	0.85	2.3	2.4	2.6	2.9	3.3	3.6
	1.0	2.2	2.4	2.5	2.8	3.2	3.5
2.75	0.85	2.5	2.6	2.8	3.0	3.4	3.7
	1.0	2.4	2.5	2.7	2.9	3.3	3.6
3.0	0.85	2.7	2.8	2.9	3.1	3.5	3.8
	1.0	2.5	2.7	2.8	3.0	3.5	3.7
3.25	1.0	2.7	2.9	3.0	3.2	3.6	3.8
3.5	1.0	2.9	3.0	3.2	3.4	3.7	4.0
3.75	1.0	3.1	3.3	3.4	3.5	3.9	4.2
4.0	1.0	3.3	3.5	3.6	3.7	4.2	4.4

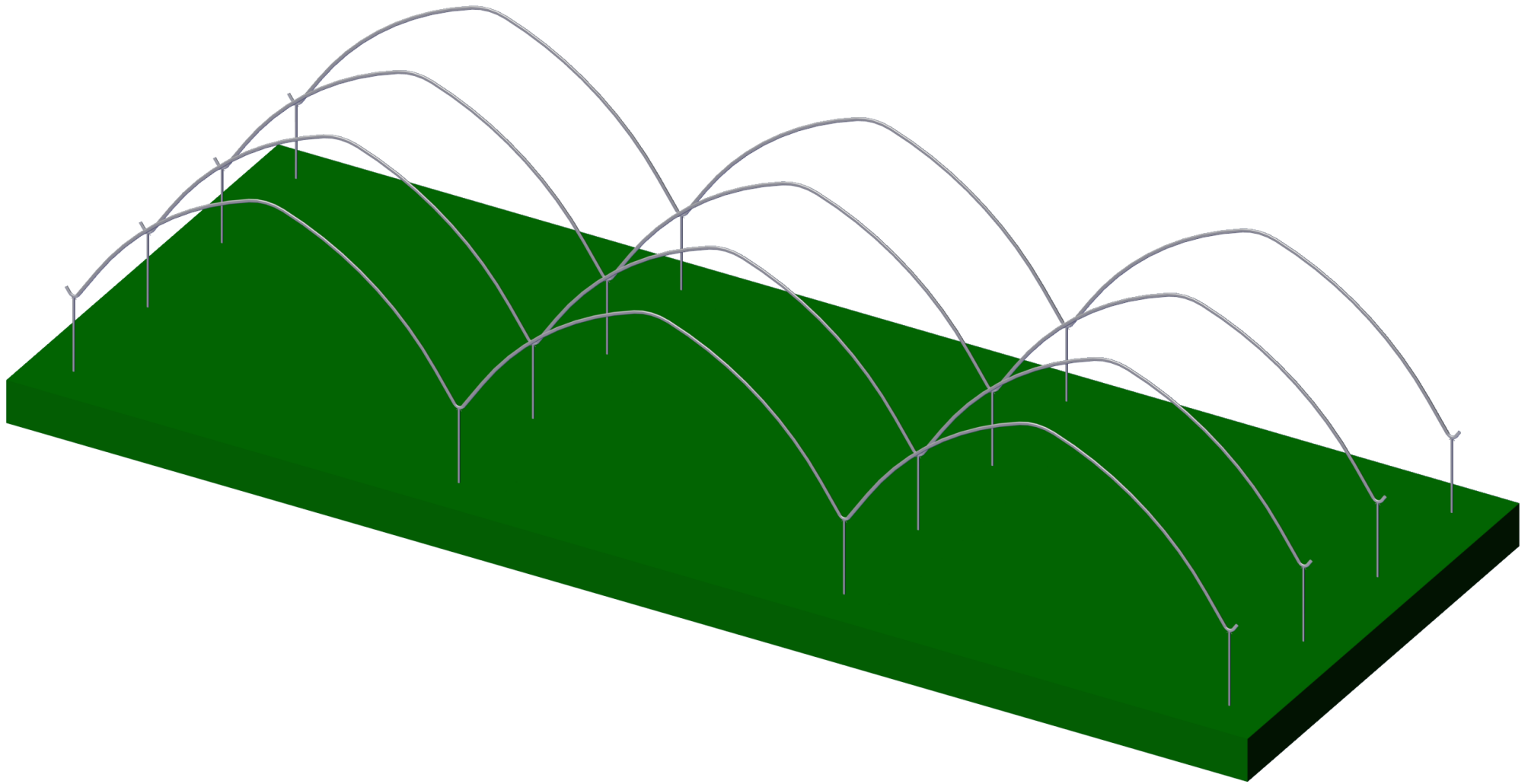
Hoop Strut Length – Pioneer, Ventura, EZvent, Fixed Top Vent

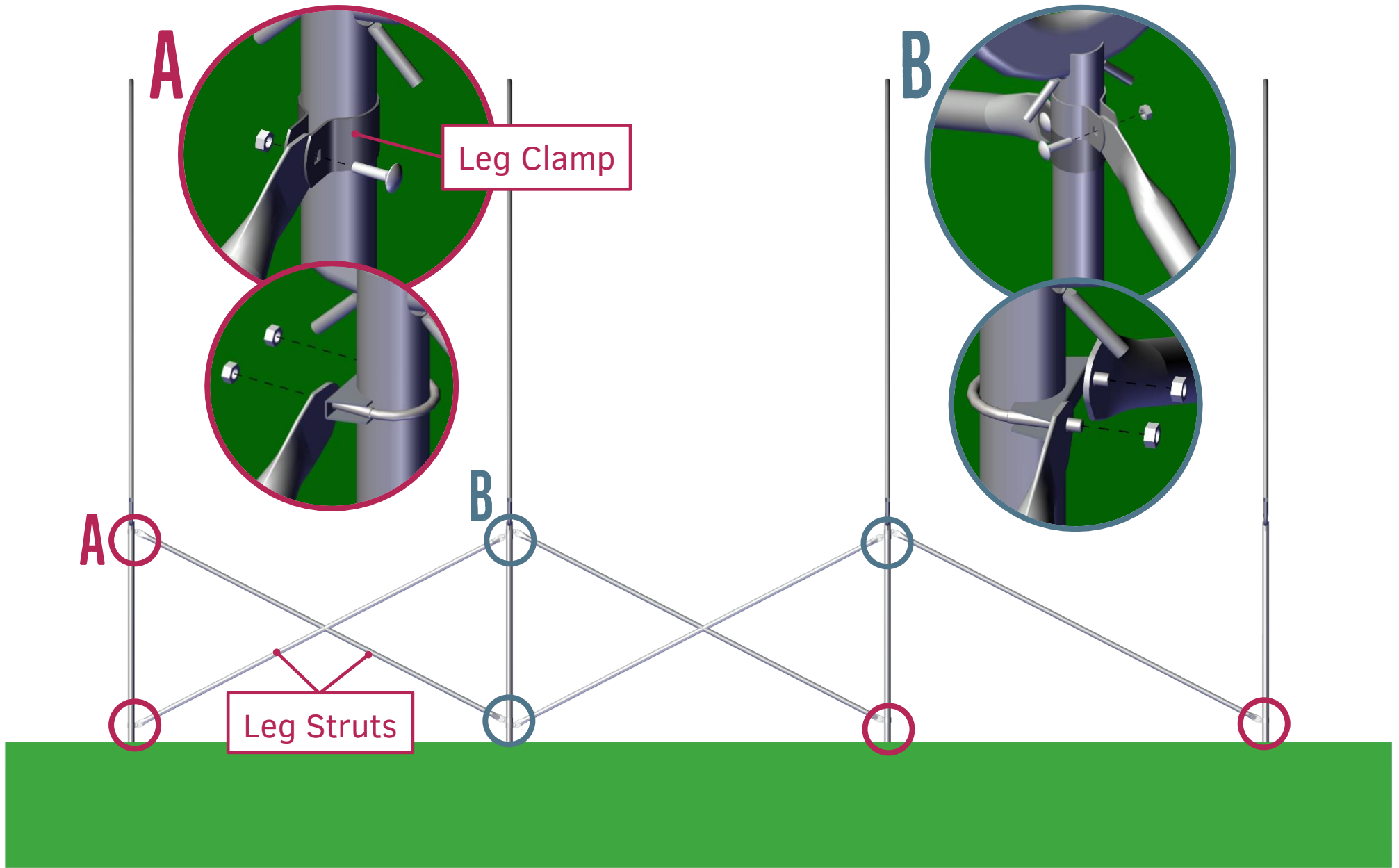
Bay Width (m)	End Spacing (m)					
	1.8	2.0	2.2	2.5	3.0	3.3
5.5 - 6.0	2.2	2.4	2.4	2.7	3.3	3.6
6.1 - 6.5	2.2	2.4	2.4	2.9	3.3	3.6
6.6 - 7.5	2.2	2.4	2.7	2.9	3.3	3.6
7.6 - 8.0	2.2	2.4	2.7	2.9	3.3	3.7
8.1 - 8.5	2.4	2.7	2.7	2.9	3.4	3.7
8.6 - 9.0	2.4	2.7	2.9	2.9	3.4	3.7
9.1 - 9.4	2.4	2.7	2.9	3.0	3.7	3.9
9.5 - 9.6	2.4	2.7	2.9	3.4	3.7	3.9
9.7 - 10.0	2.4	2.9	3.0	3.4	3.7	3.9

Hoop Strut Length – Greenhouse, Telescopic

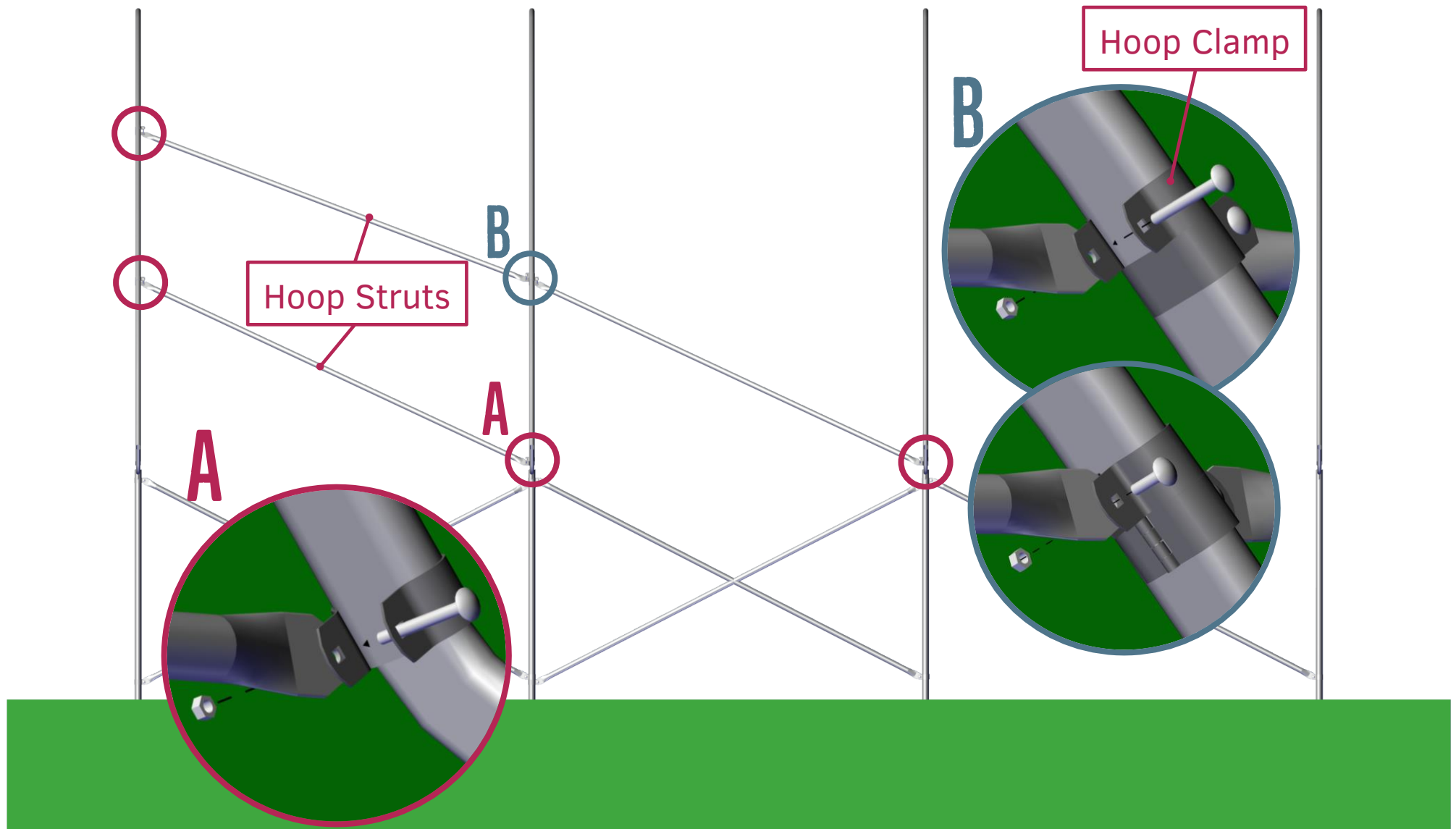
Bay Width (m)	End Spacing (m)					
	1.8	2.0	2.2	2.5	3.0	3.3
6.0 - 6.4	2.2	2.4	2.7	2.9	3.4	3.5
6.5 - 6.7	2.4	2.4	2.7	2.9	3.4	3.6
6.8 - 7.1	2.4	2.4	2.7	2.9	3.4	3.7
7.2 - 7.3	2.4	2.7	2.7	3.2	3.4	3.7
7.4 - 7.8	2.4	2.7	2.9	3.2	3.4	3.7
7.9 - 8.1	2.7	2.7	2.9	3.2	3.7	3.7
8.2 - 8.5	2.7	2.9	2.9	3.4	3.7	3.7
8.6 - 9.0	2.7	2.9	2.9	3.4	3.7	3.9
9.1 - 9.4	2.7	2.9	2.9	3.4	3.7	3.9
9.5 - 9.9	2.7	2.9	3.0	3.4	3.7	3.9
10.0	2.7	2.9	3.2	3.4	3.7	3.9

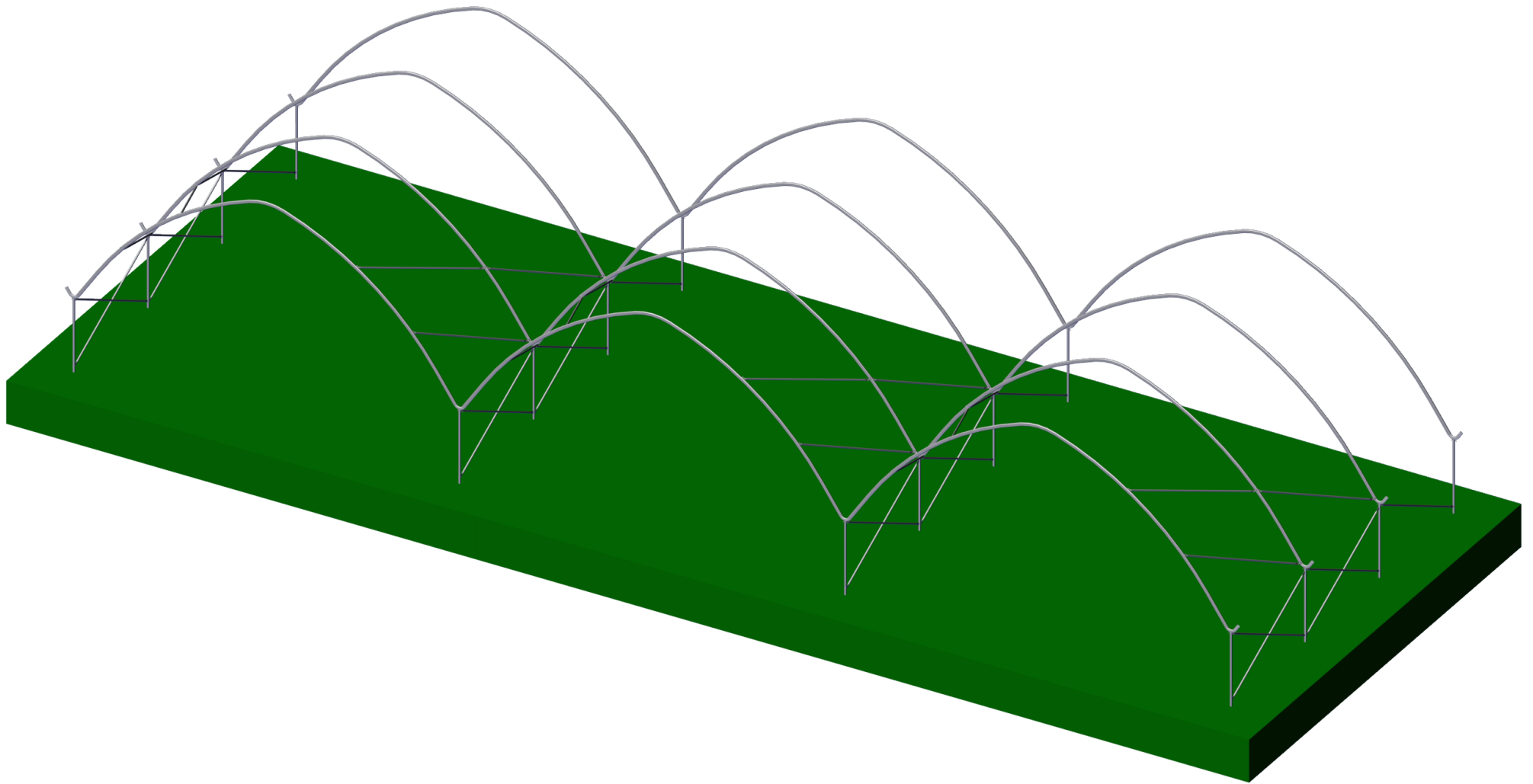
PART A - LEG STRUTS





PART B - HOOP STRUTS





BUILD COMPLETE



HAYGROVE LTD, REDBANK, LEDBURY, HEREFORDSHIRE, HR8 2JL

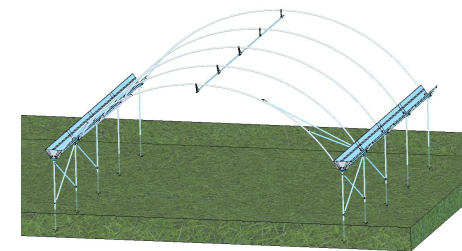
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Attachment #2 – Rain Gutter

Haygrove

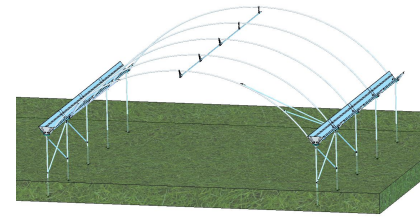
Pioneer 4 Series Steel Rain Gutter



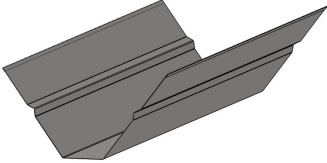
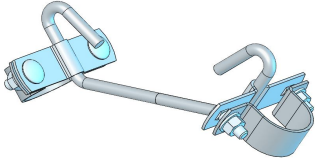
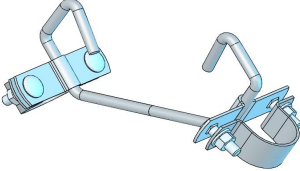
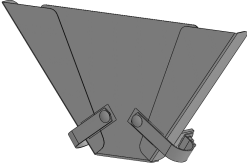
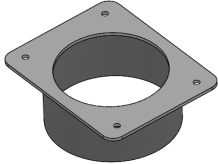
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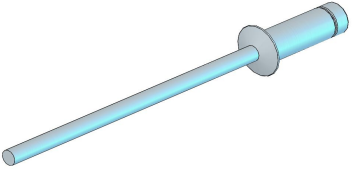


www.haygrove.com

4 Series Tunnel



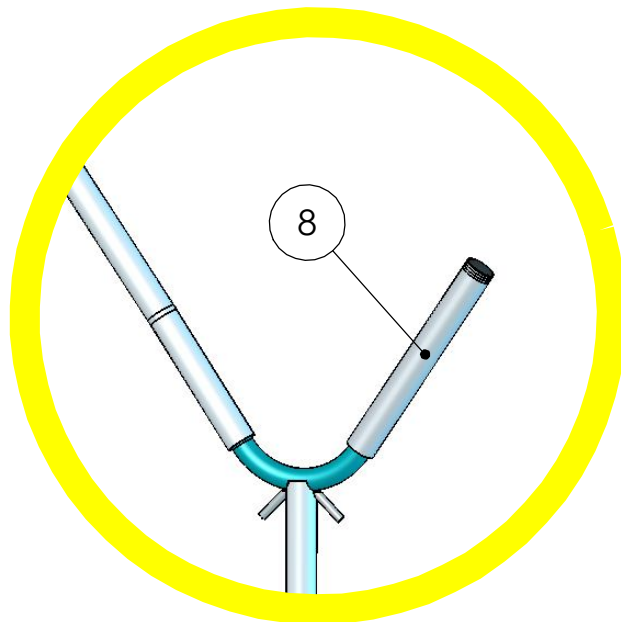
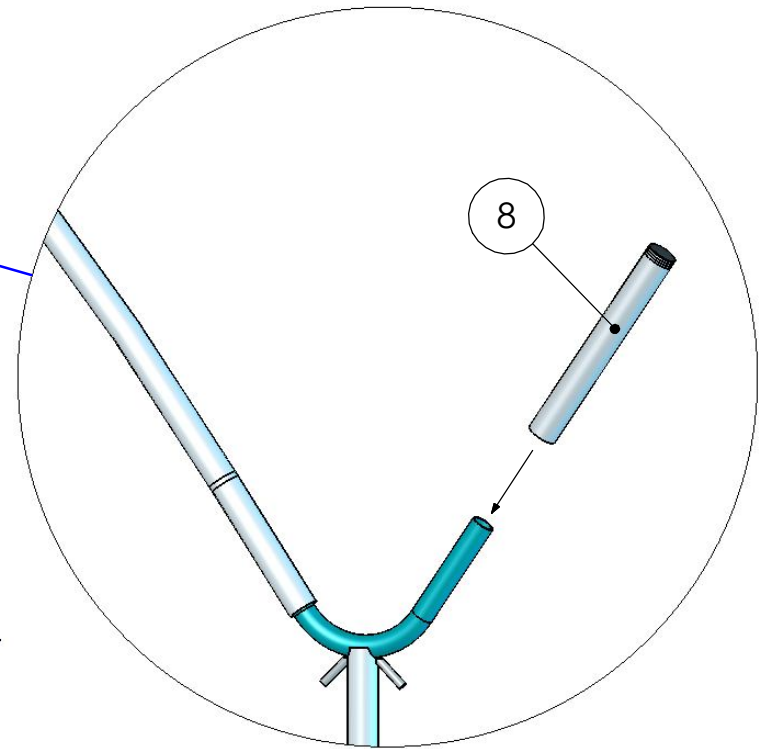
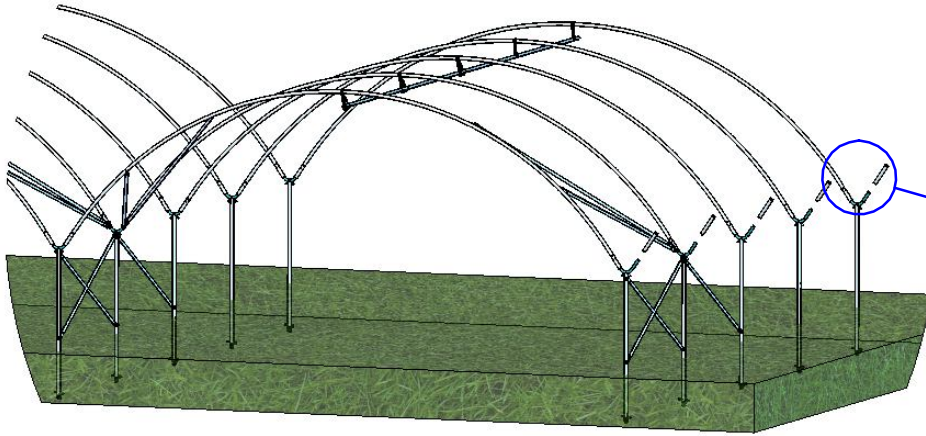
Steel Gutter

No.	View of the part	Part no.	Description
1		SRG0068	Steel Gutter 4 series Tunnel (6.8m Long)
2	Bracket option I: 	TA00565	Roping Brackets for standard venting
3	Bracket option II: 	TA00551	Roping Brackets for roller venting
4		TA00812	End cap for steel gutter 4s
5		TW00867 - 102mm or TW00990 - 90mm	Down Pipe for End Steel Gutter 4-S

6			Rivet
7			Silicon
8	Only if you have a gutter also on the edge of the tunnel: 	TA00638	40mm Tube Sleeve

4 series Steel Gutter

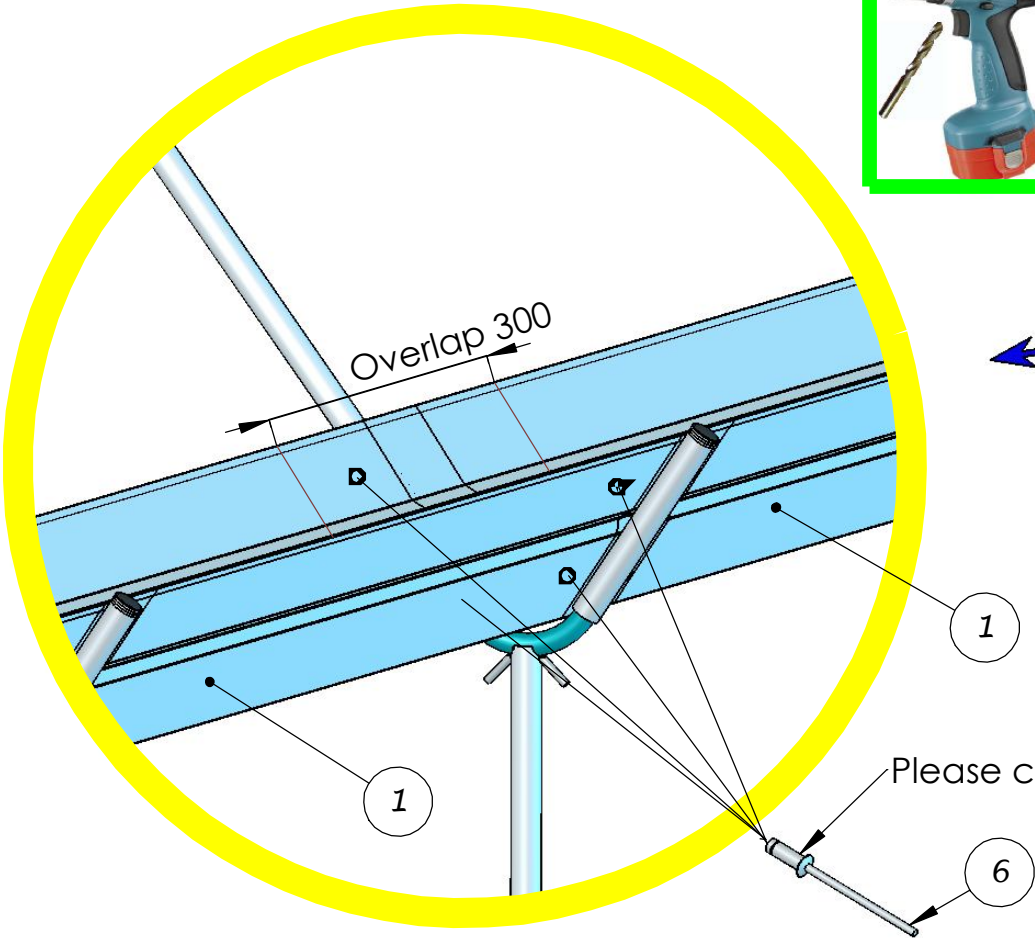
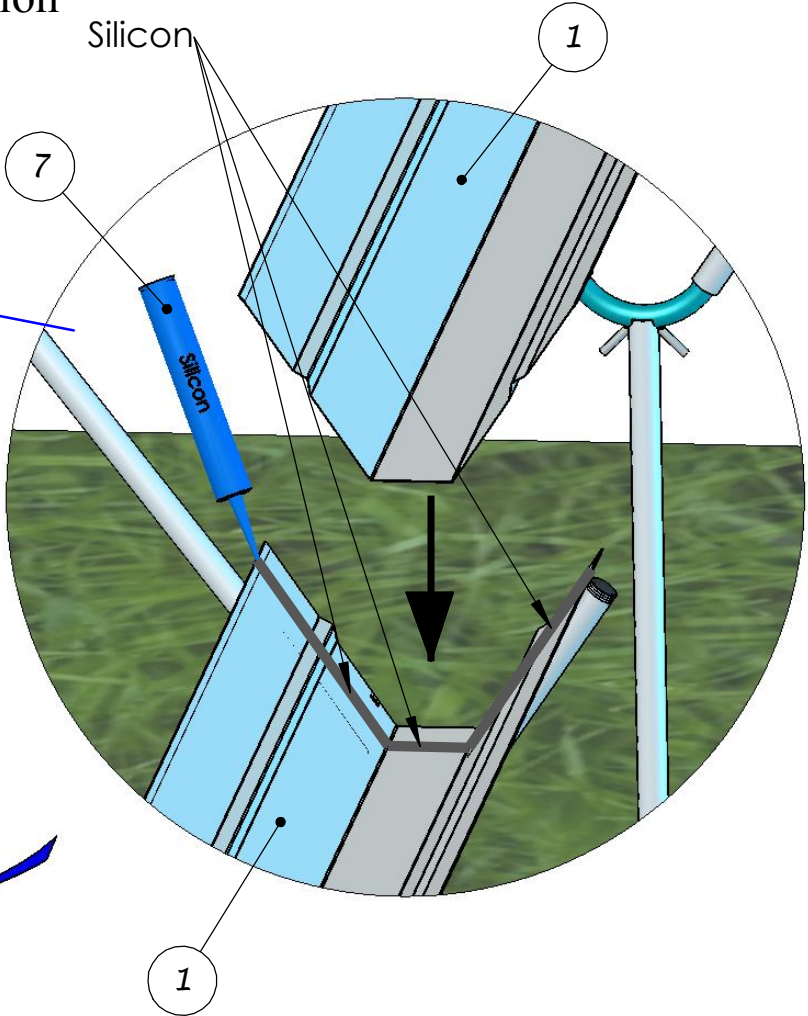
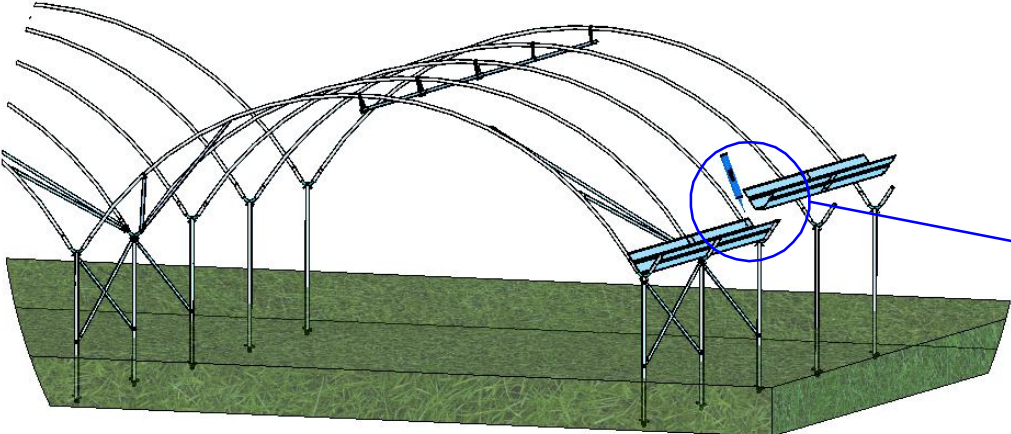
Option, if you have gutter also on side of the tunnel, if you havn't please go to page nr 2



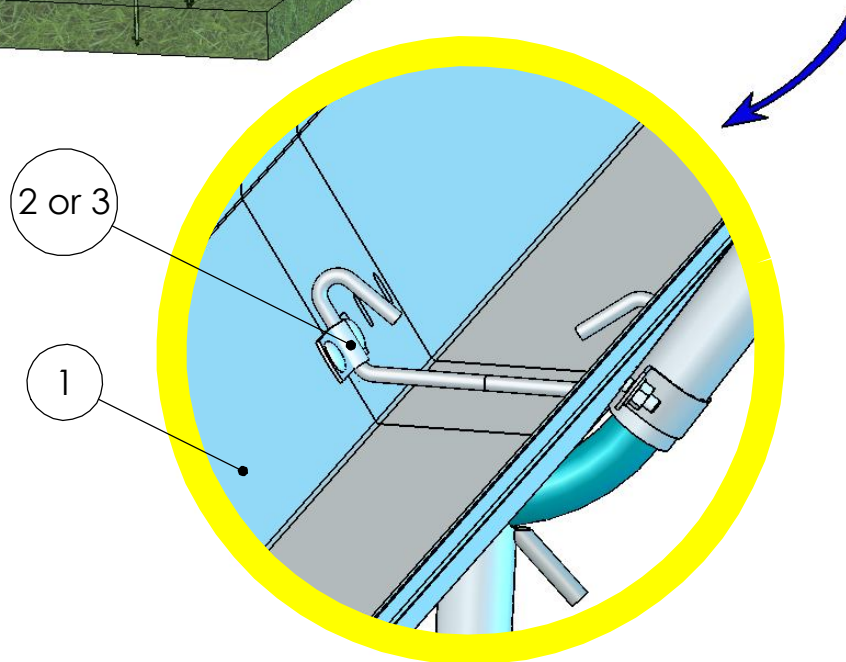
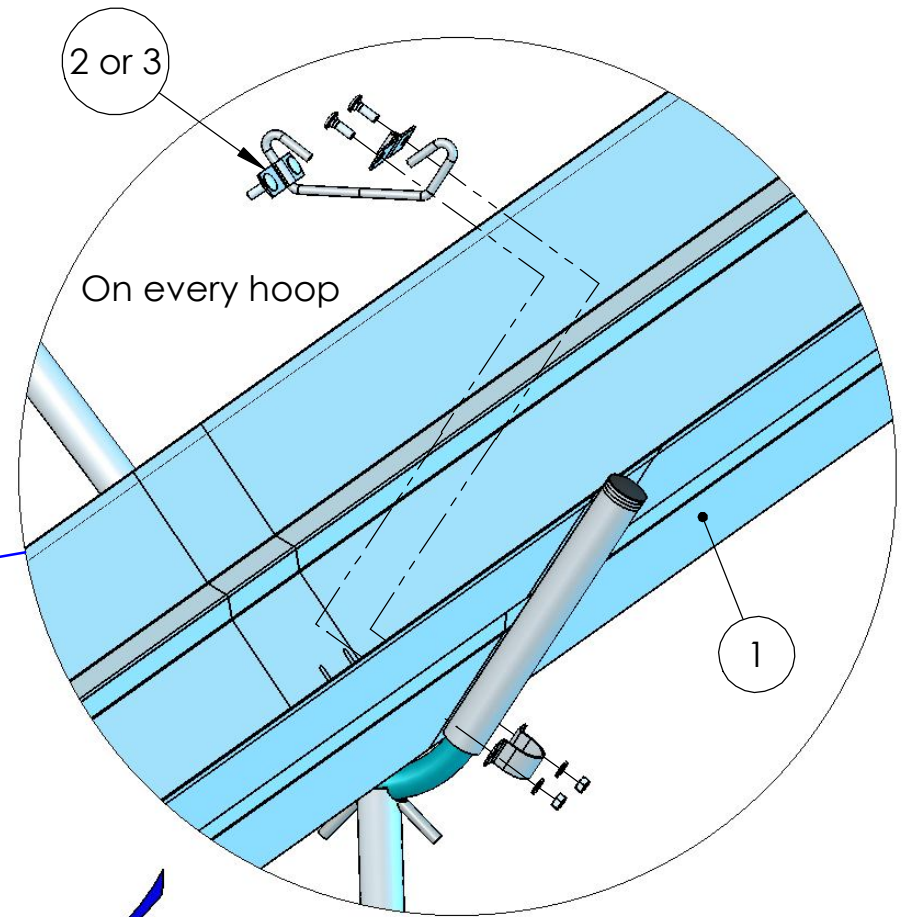
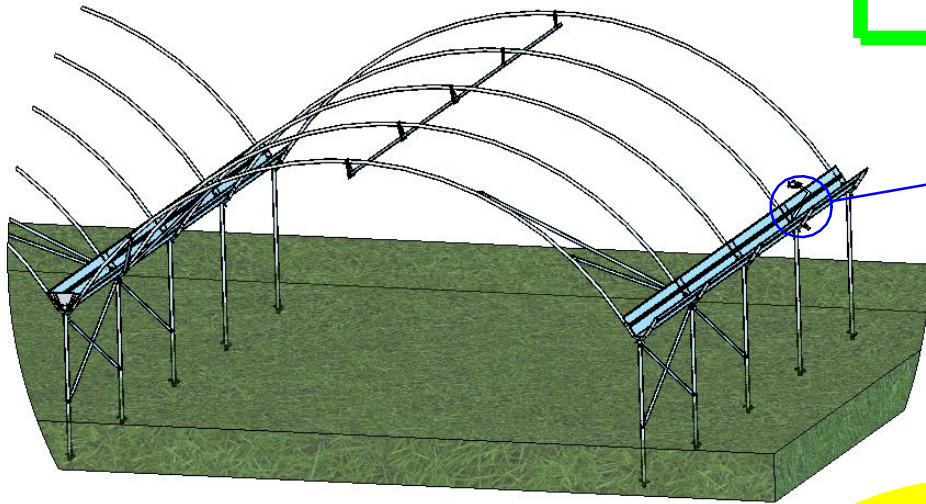
Haygrove

Manul - Steel gutter **1**

Gutter connection



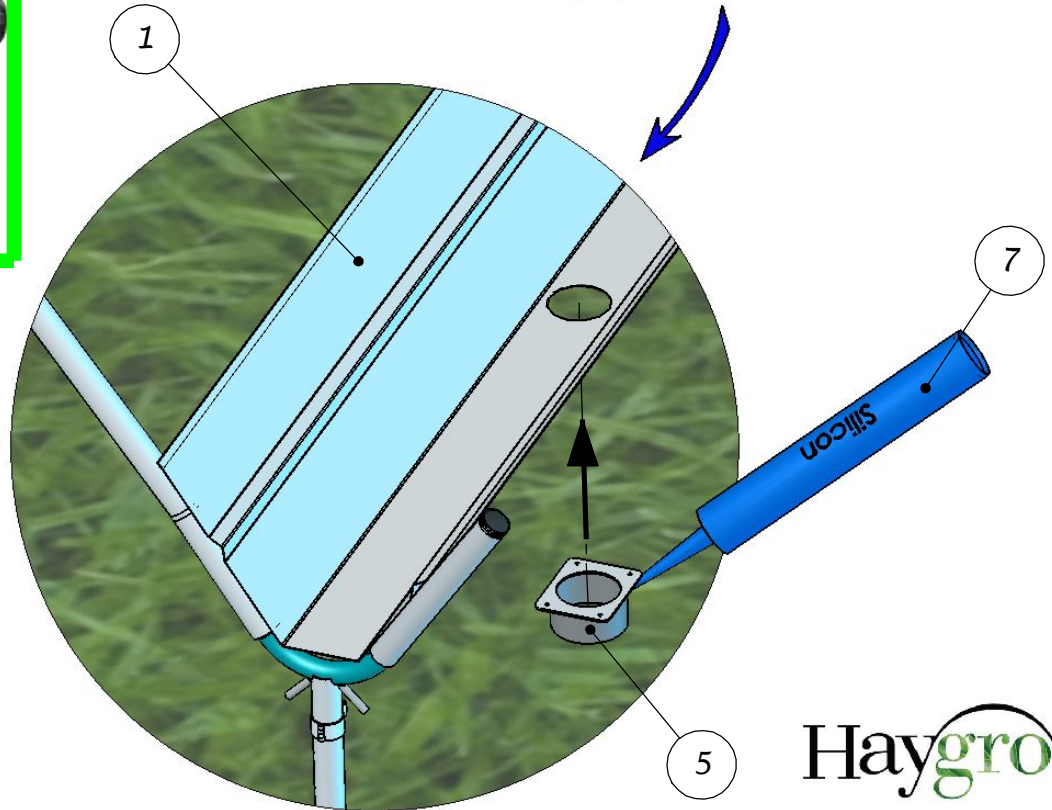
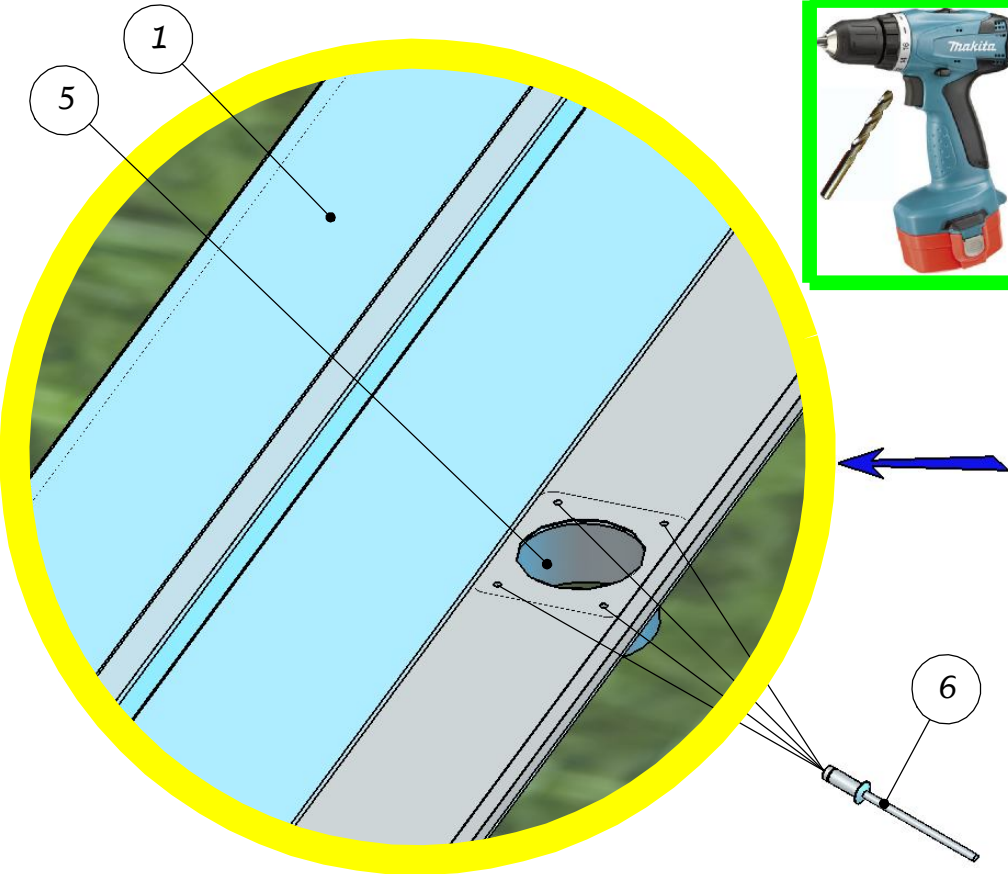
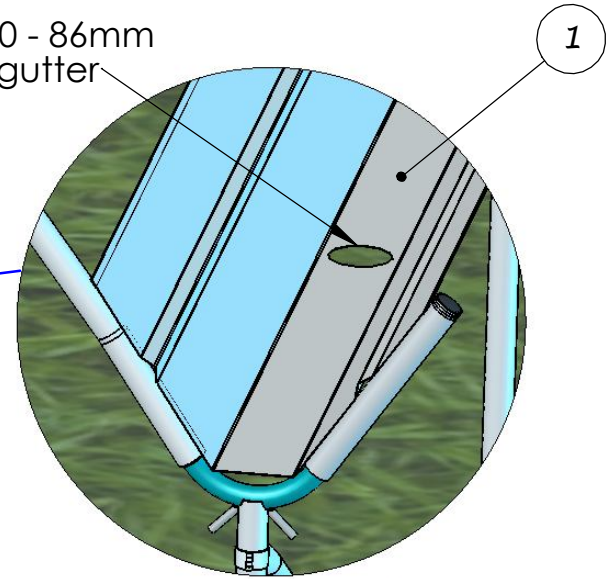
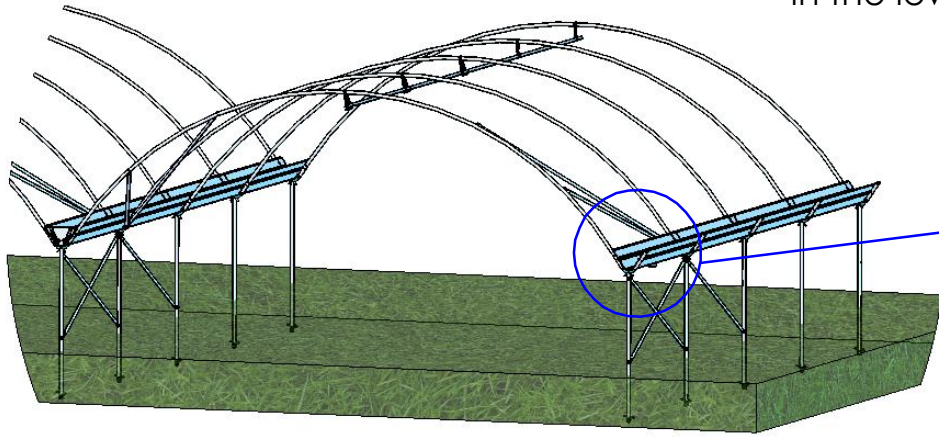
Please connect two gutters by 4 rivets



Haygrove

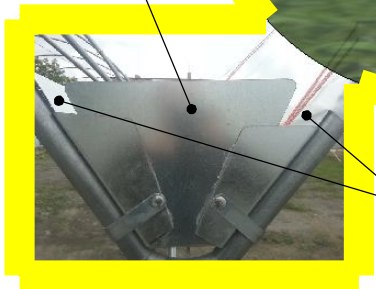
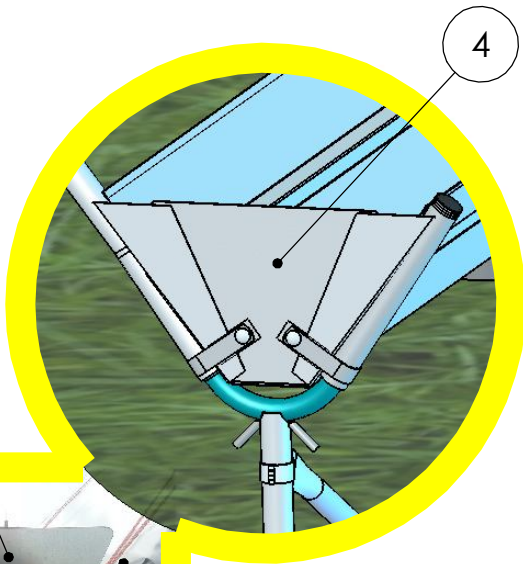
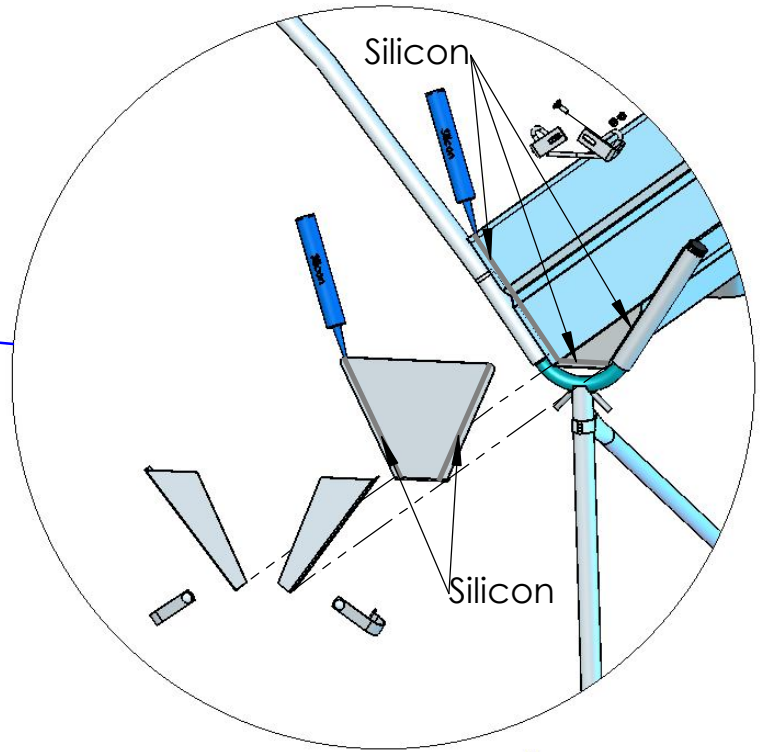
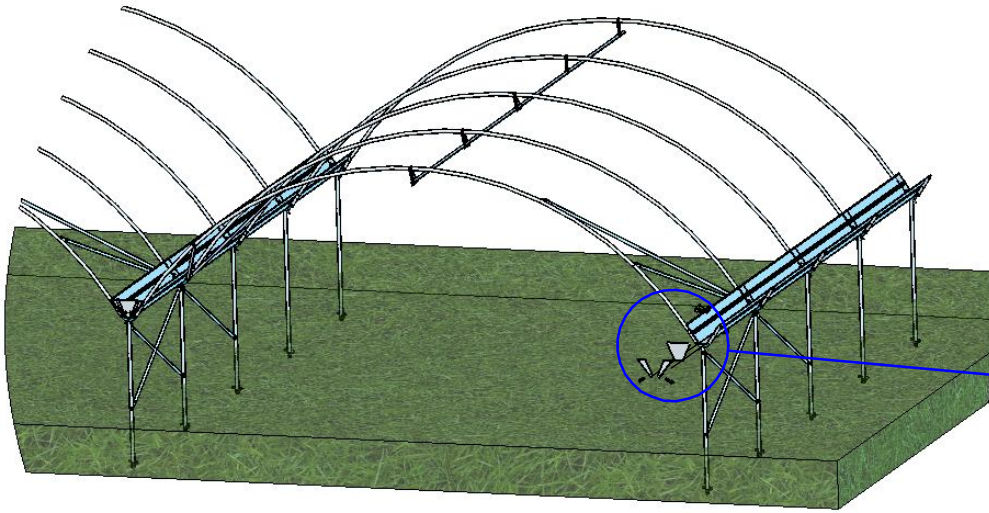
Manul - Steel gutter 3

Please make a hole dia 80 - 86mm in the lowest point of the gutter

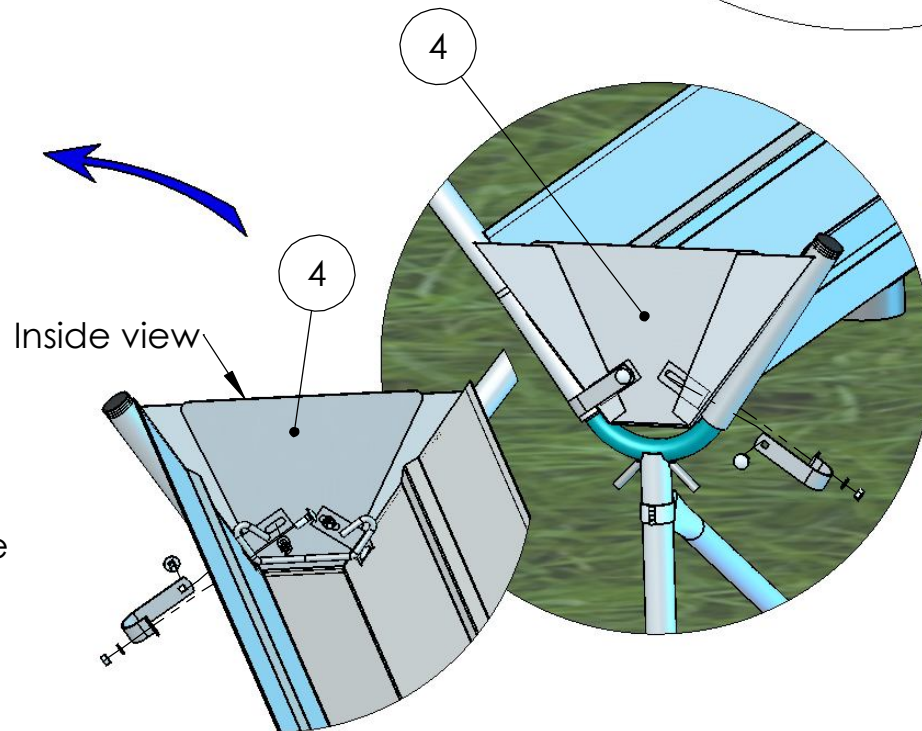


Haygrove

Manul - Steel gutter 4



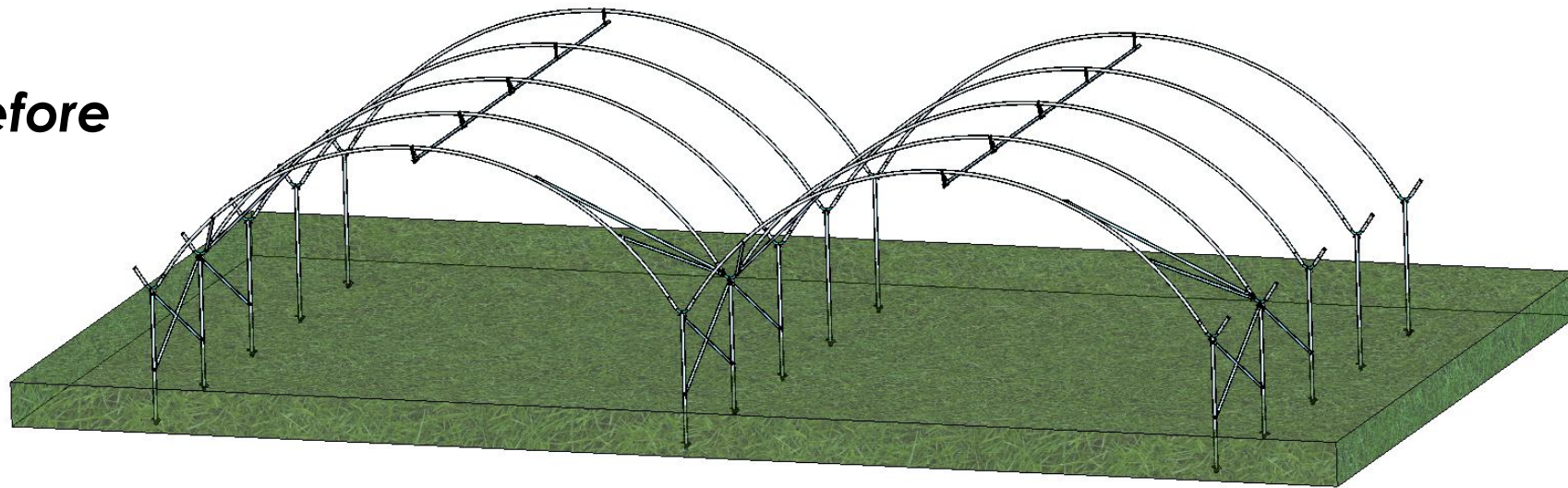
If you need (because of polly) you can cut a little sides of end cup.



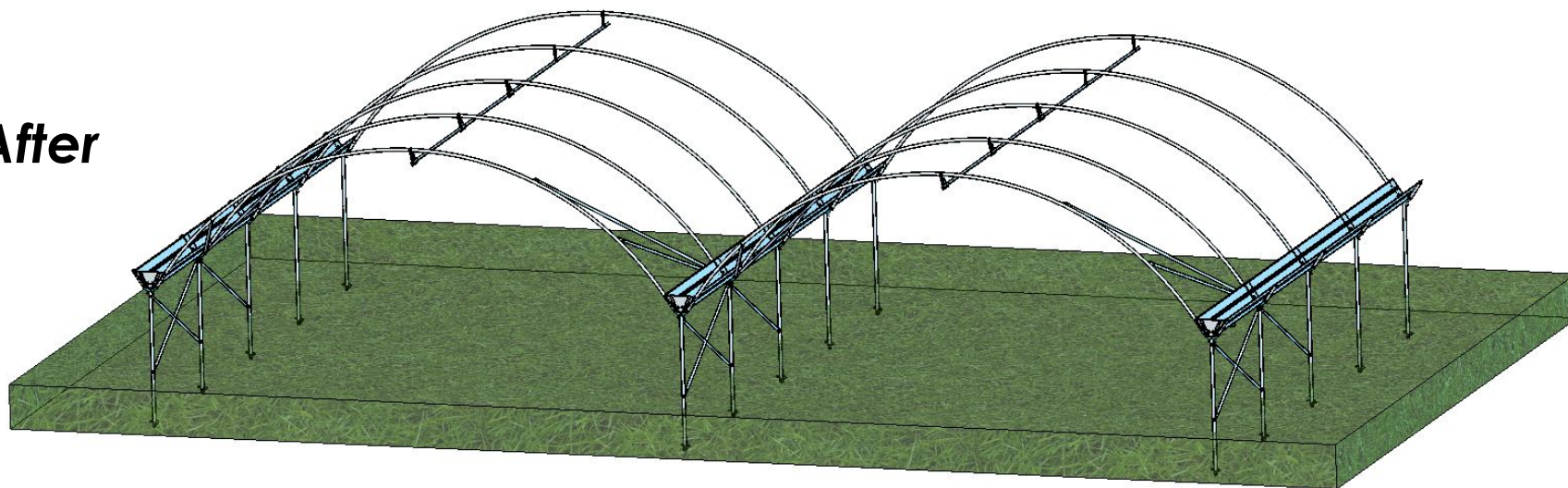
Haygrove

Manul - Steel gutter 5

Before

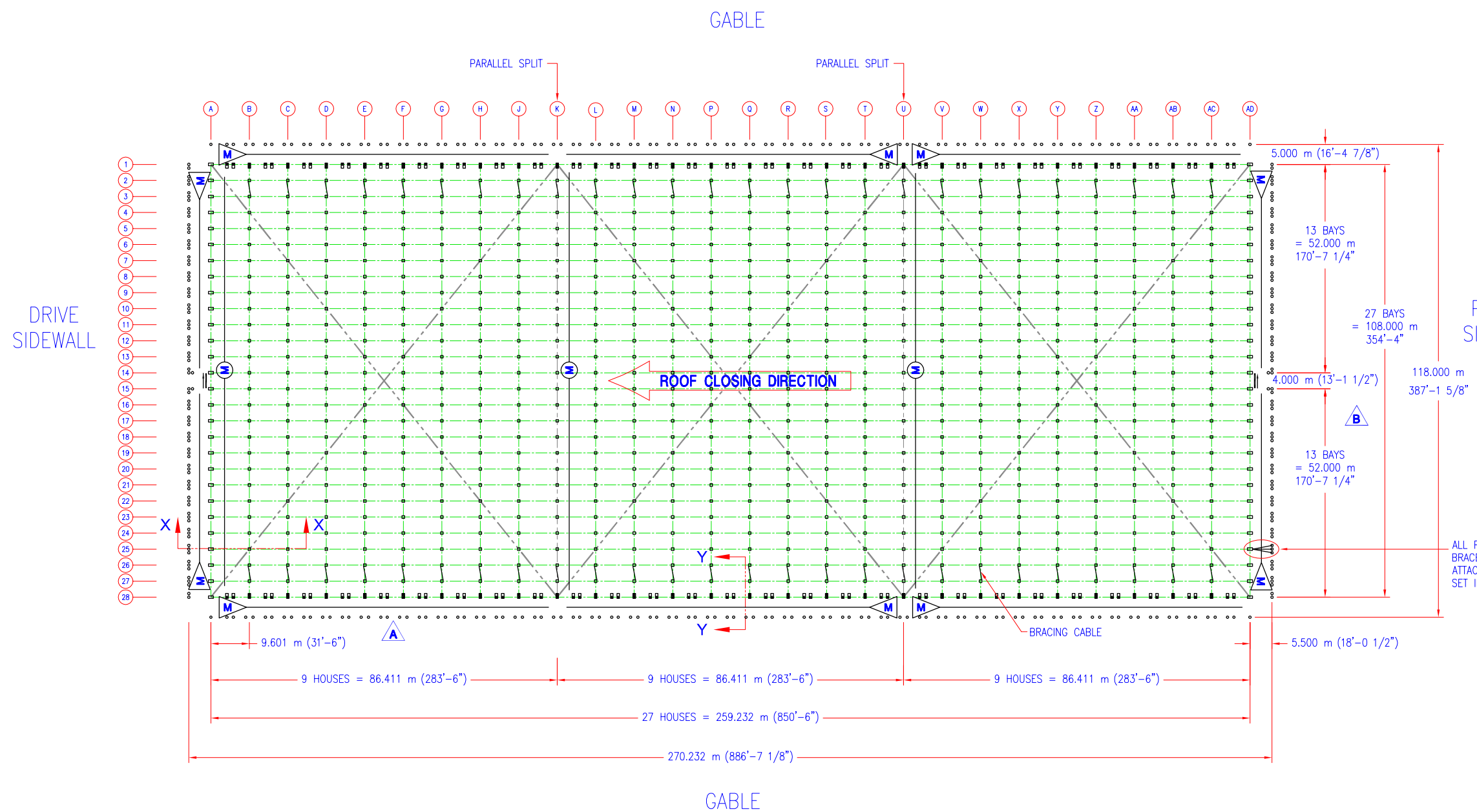


After



Attachment #3 – Shade Net Plans

NOTE: THE LETTERS "I" AND "O"
ARE NOT USED FOR POST GRID
CO-ORDINATES



CUSTOMER TO
CONFIRM
NORTH
ORIENTATION

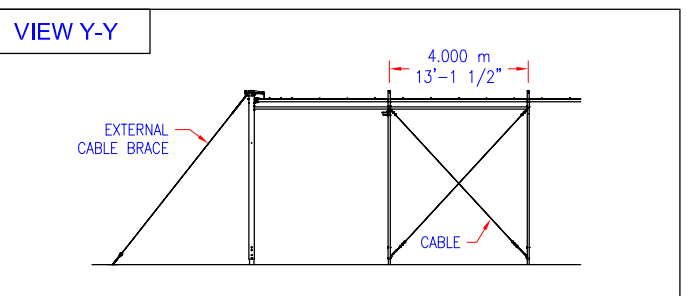
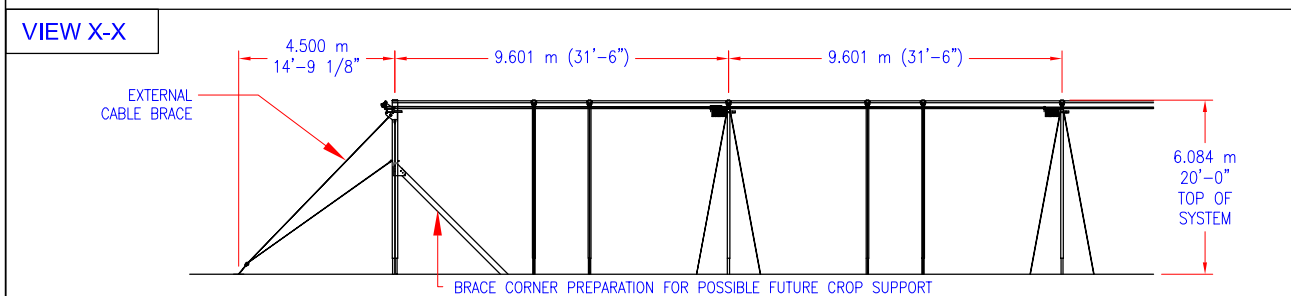
PULLEY
SIDEWALL

DRIVE
SIDEWALL

ALL PERIMETER POSTS ARE
BRACED BY CABLES
ATTACHED TO TIGHTENERS
SET IN CONCRETE FOOTINGS.

FLAT ROOF
TOTAL AREA: 301,358 ft² (27,997 m²)

- ROOF AREA POWERED BY ONE MOTOR
- CABLE TIGHTENER
- SLIDING DOOR
- GREENHOUSE ROOF MOTOR AND DRIVELINE
- EXTERIOR OR INTERIOR WALL MOTOR AND DRIVELINE



LET	ECN	REVISION	DATE	BY	DATE	BY	DWG
B		GENERAL REVISION	JAN 25/21	JL			
A		ONE ZONE WITH BLACKOUT SYSTEM	JAN 21/21	JL			
					01/18/21	JL	2021-026-A02-REVB

Cravo CRAVO EQUIPMENT LTD.
BRANTFORD, ONTARIO, CANADA

TITLE
LGSA20 INC, ARIZONA.
27 FR HOUSES @ 31.5 ft x 354 ft = 301,358 ft²

Attachment #4 – Greenhouse Structure Plans

Attachment #5 – Outdoor Lighting



Catalog # : _____ Project : _____

Prepared By : _____ Date : _____

Slice Medium (SLM)

Outdoor LED Area Light



OVERVIEW

Lumen Package	9,000 - 42,000
Wattage Range	69 - 390
Efficacy Range (LPW)	93 - 145
Weight lbs(kg)	30 (13.6)

QUICK LINKS

[Ordering Guide](#)[Performance](#)[Photometrics](#)[Dimensions](#)

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath.
- Designed to mount to square poles.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 30 lbs in carton.

Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated sealed optical chamber in 1 component.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in IES Types 2, 3, 5W, FT, FTA and AM.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377. Also Available in Phosphor Converted Amber with Peak intensity at 610nm.
- Minimum CRI of 70.
- Integral louver (IL) and house-side shield (IH) options available for improved backlight control without sacrificing street side performance. See page 5 for more details.

Electrical

- High-performance programmable driver features over-voltage, under-voltage, short-circuit and over temperature protection. Custom lumen and wattage packages available.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100k Hours (See Lumen Maintenance on Page 3)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F). 42L lumen package rated to +40°C.
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.

Controls

- Optional integral passive infrared Bluetooth™ motion and photocell sensor (see page 5 for more details). Fixtures operate independently and can be commissioned via iOS or Android configuration app.
- LSI's AirLink™ wireless control system

options reduce energy and maintenance costs while optimizing light quality 24/7. (see page 5 for more details).

Installation

- A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment.
- Included terminal block accepts up to 12 ga. wire.
- Utilizes LSI's traditional 3" drill pattern B3 for easy fastening of LSI products.

Warranty

- LSI LED Fixtures carry a 5-year warranty.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- IDA compliant; with 3000K color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet Locations.
- IP66 rated Luminaire per IEC 60598.
- 3G rated for ANSI C136.31 high vibration applications
- IP66 rated Luminaire per IEC 60598.
- 3G rated for ANSI C136.31 high vibration applications are qualified.

Specifications and dimensions subject to change without notice.





Slice Medium Outdoor LED Area Light

ORDERING GUIDE

[Back to Quick Links](#)

TYPICAL ORDER EXAMPLE: **SLM LED 36L SIL FTA UNV DIM 50 70CRI ALSCS04 BRZ IL**

Luminaire Prefix	Light Source	Lumen Package	Light Output	Distribution	Orientation ²	Voltage	Driver
SLM - Slice Medium	LED	9L - 9,000 lms 12L - 12,000 lms 18L - 18,000 lms 24L - 24,000 lms 30L - 30,000 lms 36L - 36,000 lms 42L - 42,000 lms Custom Lumen Packages ¹	SIL - Silicone	2 - Type 2 3 - Type 3 5W - Type 5 Wide FT - Forward Throw FTA - Forward Throw Automotive AM - Automotive Merchandise	(blank) - standard L - Optics rotated left 90° R - Optics rotated right 90°	UNV - Universal Voltage (120-277V) HV - High Voltage (347-480V)	DIM - 0-10V Dimming (0-10%)

Color Temp	Color Rendering	Controls (Choose One)	Finish	Options
50 - 5,000 CCT 40 - 4,000 CCT 30 - 3,000 CCT AMB - Phosphor Converted Amber ¹²	70CRI - 70 CRI	(Blank) - None Wireless Controls System ALSC - AirLink Synapse Control System ALSCH - AirLink Synapse Control System Host / Satellite ³ ALSCS02 - AirLink Synapse Control System with 12-20' Motion Sensor ALSCS02 - AirLink Synapse Control System Host / Satellite with 12-20' Motion Sensor ³ ALSCS04 - AirLink Synapse Control System with 20-40' Motion Sensor ALSCS04 - AirLink Synapse Control System Host / Satellite with 20-40' Motion Sensor ³ ALBSCS1 - AirLink Blue Wireless Motion & Photo Sensor Controller (8-24' mounting height) ⁴ ALBSCS2 - AirLink Blue Wireless Motion & Photo Sensor Controller (25-40' mounting height) ⁴ Stand-Alone Controls EXT - 0-10V Dimming leads extended to housing exterior CR7P - 7 Pin Control Receptacle ANSI C136.41 ⁶ IMSBT1 - Integral Bluetooth™ Motion and Photocell Sensor max 8-24' mounting height ^{4,5} IMSBT2 - Integral Bluetooth Motion and Photocell Sensor max 25-40' mounting height ^{4,5} Button Type Photocells PCI120 - 120V PCI208-277 - 208-277V PCI347 - 347V	BRZ - Bronze BLK - Black GPT - Graphite MSV - Metallic Silver WHT - White PLP - Platinum Plus SVG - Satin Verde Green	(Blank) - None IH - Integral Houseside Shield ² IL - Integral Louver (Sharp Spill Light Cutoff) ²

Accessories Ordering Information⁷

Controls Accessories	
Description	Order Number
PC120 Photocell for use with CR7P option (120V) ⁸	122514
PC208-277 Photocell for use with CR7P option (208V, 240V, 277V) ⁸	122515
Twist Lock Photocell (347V) for use with CR7P ⁸	122516
Twist Lock Photocell (480V) for use with CR7P ⁸	1225180
AirLink 5 Pin Twist Lock Controller ⁸	661409
AirLink 7 Pin Twist Lock Controller ⁸	661410
PMOS24-24V Pole-Mounted Occupancy Sensor (24V) ^{9,10}	663284CLR
Shorting Cap for use with CR7P ⁸	149328

Fusing Accessories ¹¹	
Description	Order Number
Single Fusing (120V)	FK120
Single Fusing (120V)	FK277
Double Fusing (208V, 240V)	DFK240
Double Fusing (480V)	DFK480
Double Fusing (347V)	DFK347

Mounting Accessories ⁹	
Description	Order Number
Round Pole Adapter (3" Round/Tapered Poles)	408273CLR
Round Pole Adapter (4" Round Poles)	379967CLR
Round Pole Adapter (5" Round Poles)	379968CLR
Universal Mounting Bracket	684616CLR
Adjustable Slip Fitter (2" - 2 3/8" Tenon)	688138CLR
Quick Mount Pole Bracket (Square Pole)	687073CLR
Quick Mount Pole Bracket (4-5" Round Pole)	689903CLR
15 Tilt Quick Mount Pole Bracket (Square Pole)	688003CLR
15 Tilt Quick Mount Pole Bracket (4-5" Round Pole)	689905CLR
Wall Mount Bracket	382132CLR
Wood Pole Bracket (6" Minimum Pole Diameter)	751219CLR

Shielding & Miscellaneous Accessories	
Description	Order Number
IH - Integral Louver/Shield ²	684812
IL - Integral Houseside Shield ²	743414
10' Linear Bird Spike Kit (6' Recommended per Luminaire)	736795

FOOTNOTES:

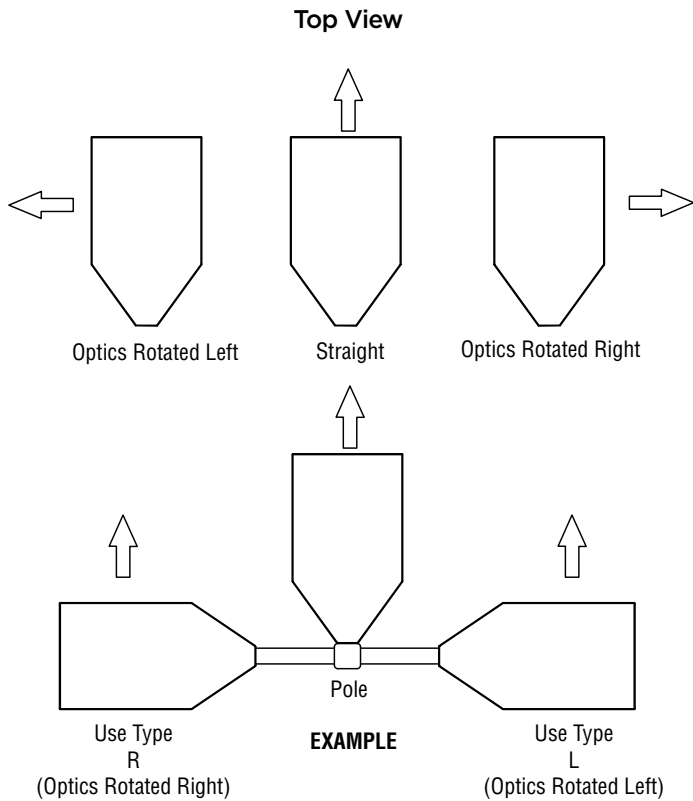
- Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances but not DLC listed.
- Not available on "Type 5W" distribution.
- Consult Factory for Site Layout
- Not available in HV.
- IMSBT is field configurable via the LSI app that can be downloaded from your smartphone's native app store

- Control device or shorting cap must be ordered separately. See Accessory Ordering Information.
- Accessories are shipped separately and field installed.
- Factory installed CR7P option required. See Options.
- "CLR" denotes finish. See Finish options.
- Only available with ALSC/ALSCH control options.
- Fusing must be located in hand hole of pole.
- Only available in 9L and 12L Lumen Packages. Consult factory for lead time and availability.





OPTICS ROTATION



ACCESSORIES/OPTIONS

Integral Louver (IL) and House-Side Shield (IH)

Accessory louver and shield available for improved backlight control without sacrificing street side performance. LSI's Integral Louver (L) and Integral House-Side Shield (IH) options deliver backlight control that significantly reduces spill light behind the poles for applications with pole locations close to adjacent properties. The design maximizes forward reflected light while reducing glare, maintaining the optical distribution selected, and most importantly eliminating light trespass. Both options rotate with the optical distribution.

Luminaire Shown with Integral Louver (IL)



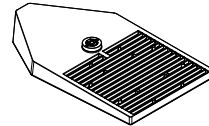
Luminaire Shown with IMSBT Option



7 Pin Photoelectric Control

7-pin ANSI C136.41-2013 control receptacle option available for twist lock photocontrols or wireless control modules. Control accessories sold separately. Dimming leads from the receptacle will be connected to the driver dimming leads (Consult factory for alternate wiring).

Fixture Shown with CR7P





Slice Medium Outdoor LED Area Light

PERFORMANCE

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Delivered Lumens*												
Lumen Package	Distribution	CRI	3000K CCT			4000K CCT			5000K CCT			Wattage
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
9L	2	70	8956	131	B2-U0-G2	9427	138	B2-U0-G2	9838	144	B2-U0-G2	68
	3		9088	133	B2-U0-G2	9566	140	B2-U0-G2	9983	146	B2-U0-G2	
	5W		8431	123	B3-U0-G2	8875	130	B3-U0-G2	8262	135	B3-U0-G2	
	FT		9046	133	B2-U0-G2	9522	140	B2-U0-G2	9937	146	B2-U0-G2	
	FTA		8993	131	B2-U0-G2	9466	138	B2-U0-G2	9879	144	B2-U0-G2	
	AM		8953	132	B2-U0-G1	9817	144	B2-U0-G2	10210	150	B2-U0-G2	
12L	2	70	11842	127	B3-U0-G2	12465	134	B3-U0-G2	13009	140	B3-U0-G2	93
	3		12017	129	B2-U0-G2	12649	136	B2-U0-G2	13200	142	B2-U0-G2	
	5W		11149	120	B4-U0-G2	11735	126	B4-U0-G2	12247	132	B4-U0-G2	
	FT		11962	128	B2-U0-G2	12591	135	B2-U0-G2	13140	141	B2-U0-G3	
	FTA		11891	128	B3-U0-G3	12517	134	B3-U0-G3	13062	140	B3-U0-G3	
	AM		11997	129	B2-U0-G2	13155	141	B3-U0-G2	13681	147	B3-U0-G2	
18L	2	70	17722	119	B3-U0-G3	18655	126	B3-U0-G3	19468	131	B3-U0-G3	149
	3		17984	121	B2-U0-G3	18930	127	B3-U0-G3	19755	133	B3-U0-G3	
	5W		16685	112	B4-U0-G2	17563	118	B4-U0-G2	18328	123	B4-U0-G2	
	FT		17901	121	B3-U0-G3	18843	127	B3-U0-G3	19664	132	B3-U0-G4	
	FTA		17796	120	B3-U0-G3	18732	126	B3-U0-G3	19549	132	B3-U0-G3	
	AM		17906	121	B3-U0-G2	19634	133	B3-U0-G2	20419	148	B3-U0-G2	
24L	2	70	24122	128	B4-U0-G3	24851	132	B4-U0-G3	25119	133	B4-U0-G3	189
	3		24945	132	B3-U0-G3	25699	136	B3-U0-G4	25976	138	B3-U0-G4	
	5W		22673	122	B5-U0-G3	23667	125	B5-U0-G3	23823	127	B5-U0-G3	
	FT		24276	129	B3-U0-G4	25010	132	B3-U0-G4	25280	134	B3-U0-G4	
	FTA		24715	131	B3-U0-G3	25462	135	B3-U0-G3	25737	136	B3-U0-G3	
	AM		24056	127	B3-U0-G2	25729	136	B3-U0-G3	26243	139	B3-U0-G3	
30L	2	70	30286	122	B4-U0-G3	31201	126	B4-U0-G3	31538	127	B4-U0-G3	249
	3		31319	126	B3-U0-G4	32266	130	B3-U0-G4	32614	131	B3-U0-G4	
	5W		28843	116	B5-U0-G3	29715	120	B5-U0-G3	30036	121	B5-U0-G4	
	FT		30479	123	B3-U0-G4	31401	126	B3-U0-G4	31740	128	B3-U0-G5	
	FTA		31030	125	B3-U0-G3	31969	129	B4-U0-G3	32314	130	B4-U0-G3	
	AM		30471	122	B3-U0-G3	32590	131	B3-U0-G3	33242	134	B3-U0-G3	
36L	2	70	36082	114	B4-U0-G4	37173	117	B4-U0-G4	37574	118	B4-U0-G4	318
	3		37313	117	B3-U0-G4	38442	121	B3-U0-G4	38857	122	B4-U0-G4	
	5W		34363	108	B5-U0-G4	35402	111	B5-U0-G4	35784	113	B5-U0-G4	
	FT		36313	114	B3-U0-G5	37411	118	B4-U0-G5	37815	119	B4-U0-G5	
	FTA		36969	116	B4-U0-G4	38087	120	B4-U0-G4	38498	121	B4-U0-G4	
	AM		36718	115	B3-U0-G3	39270	123	B4-U0-G3	40056	126	B4-U0-G3	
42L	2	70	41060	104	B5-U0-G4	42301	108	B5-U0-G4	42758	109	B5-U0-G4	393
	3		42461	108	B4-U0-G5	43745	111	B4-U0-G5	44217	112	B4-U0-G5	
	5W		39104	99	B5-U0-G4	40286	102	B5-U0-G4	40721	104	B5-U0-G4	
	FT		41323	105	B4-U0-G5	42572	108	B4-U0-G5	43032	109	B4-U0-G5	
	FTA		42069	107	B4-U0-G4	43341	110	B4-U0-G4	43809	111	B4-U0-G4	
	AM		42205	107	B4-U0-G3	45138	114	B4-U0-G3	46041	116	B4-U0-G3	



Slice Medium Outdoor LED Area Light

PERFORMANCE (CONT.)

ELECTRICAL DATA (AMPS)*							
Lumens	Watts	120V	208V	240V	277V	347V	480V
9L	68.2	0.6	0.3	0.3	0.2	0.2	0.1
12L	93.1	0.8	0.4	0.4	0.3	0.3	0.2
18L	148.5	1.2	0.7	0.6	0.5	0.4	0.3
24L	188.8	1.6	0.9	0.8	0.7	0.5	0.4
30L	248.6	2.1	1.2	1.0	0.9	0.7	0.5
36L	317.8	2.6	1.5	1.3	1.1	0.9	0.7
42L	393.4	3.3	1.9	1.6	1.4	1.1	0.8

*Electrical data at 25°C (77°F). Actual wattage may differ by +/-10%

FOOTNOTES:

- Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing.
- In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
- In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing.

RECOMMENDED LUMEN MAINTENANCE ¹ (9-18L)					
Ambient	Initial ²	25h ²	50h ²	75h ²	100h ²
0 C	100%	97%	94%	90%	87%
10 C	100%	97%	94%	90%	87%
20 C	100%	97%	94%	90%	87%
25 C	100%	97%	93%	90%	86%
30 C	100%	97%	93%	89%	86%
40 C	100%	97%	92%	88%	84%
50 C	100%	96%	91%	87%	83%

RECOMMENDED LUMEN MAINTENANCE ¹ (42L)					
Ambient	Initial ²	25h ²	50h ²	75h ²	100h ²
0 C - 40C	100%	100%	97%	94%	92%

PHOTOMETRICS

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Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

See <http://www.lsi-industries.com/products/led-lighting-solutions.aspx> for detailed photometric data.

SLM-LED-30L-SIL-2-40-70CRI

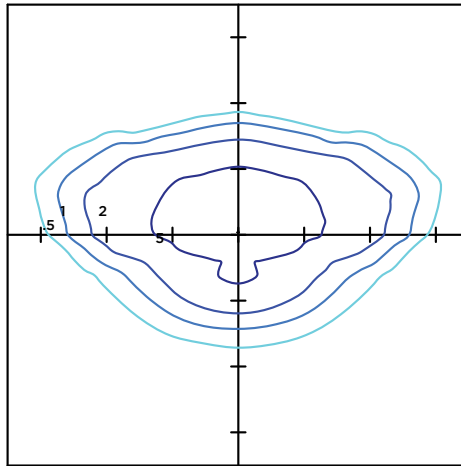
LUMINAIRE DATA

Type 2 Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	31,201
Watts	248.6
Efficacy	126
IES Type	Type II - Short
BUG Rating	B4-U0-G3

Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	4375	14%
Medium (30-60)°	18726	60%
High (60-80)°	7949	25%
Very High (80-90)°	152	0%
Uplight (90-180)°	0	0%
Total Flux	31201	100%

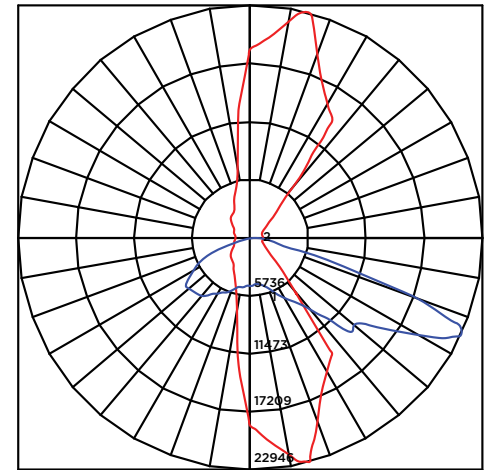
ISO FOOTCANDLE



25' Mounting Height/ 25' Grid Spacing

■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

POLAR CURVE





Slice Medium Outdoor LED Area Light

PHOTOMETRICS (CONT.)

SLM-LED-30L-SIL-3-40-70CRI

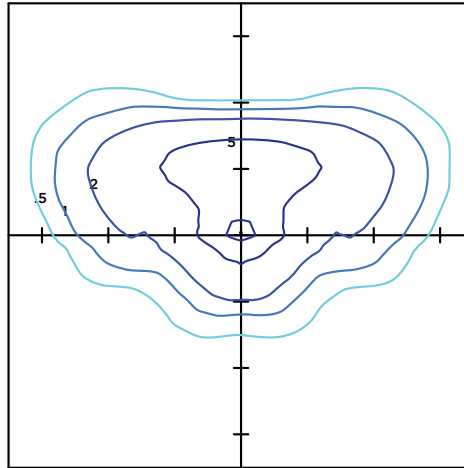
LUMINAIRE DATA

Type 3 Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	32,266
Watts	248.6
Efficacy	130
IES Type	Type III - Short
BUG Rating	B3-U0-G4

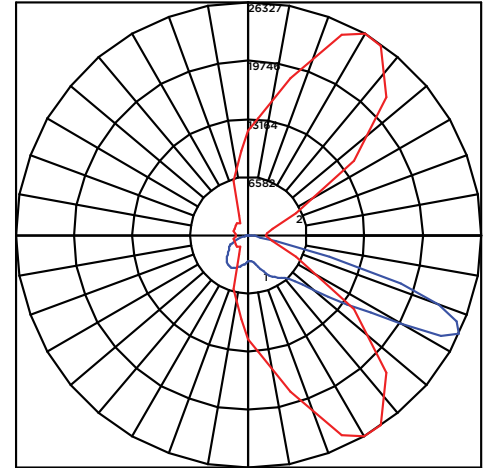
Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	3497	11%
Medium (30-60)°	16867	52%
High (60-80)°	11653	36%
Very High (80-90)°	248	1%
Uplight (90-180)°	0	0%
Total Flux	32266	100%

ISO FOOTCANDLE



POLAR CURVE



25' Mounting Height/ 25' Grid Spacing

■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

SLM-LED-30L-SIL-FT-40-70CRI

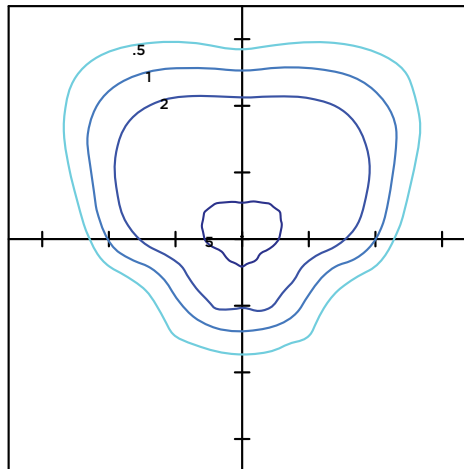
LUMINAIRE DATA

Type FT Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	31,401
Watts	248.6
Efficacy	126
IES Type	Type IV - Short
BUG Rating	B3-U0-G4

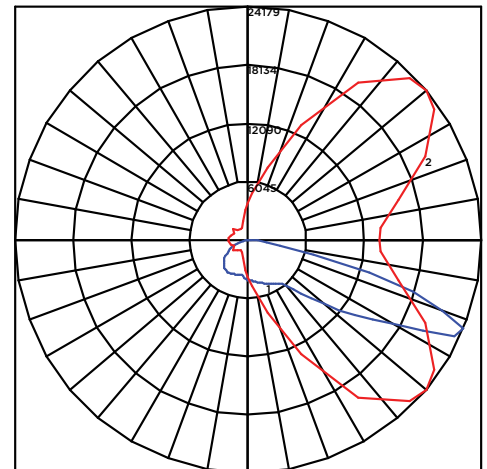
Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	3659	12%
Medium (30-60)°	14488	46%
High (60-80)°	12808	41%
Very High (80-90)°	447	1%
Uplight (90-180)°	0	0%
Total Flux	31402	100%

ISO FOOTCANDLE



POLAR CURVE



25' Mounting Height/ 25' Grid Spacing

■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC





Slice Medium Outdoor LED Area Light

PHOTOMETRICS (CONT.)

SLM-LED-30L-SIL-AM-40-70CRI

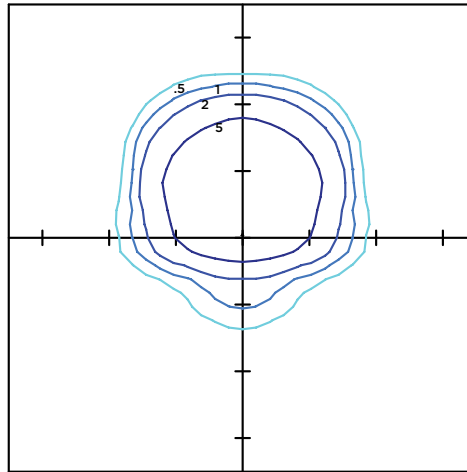
LUMINAIRE DATA

Type AM Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	32,590
Watts	249
Efficacy	131
IES Type	Type III - Very Short
BUG Rating	B3-U0-G3

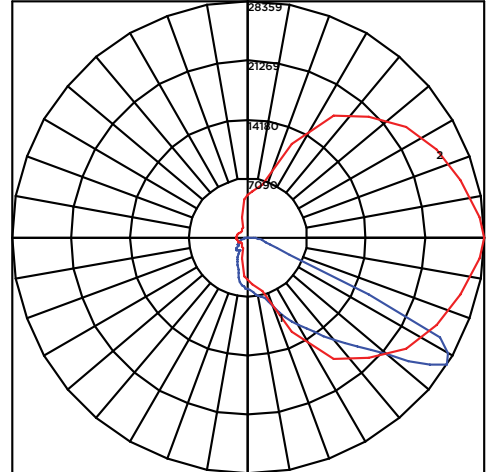
Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	5652	17%
Medium (30-60)°	20618	63%
High (60-80)°	5956	18%
Very High (80-90)°	364	1%
Uplight (90-180)°	0	0%
Total Flux	32590	100%

ISO FOOTCANDLE



POLAR CURVE

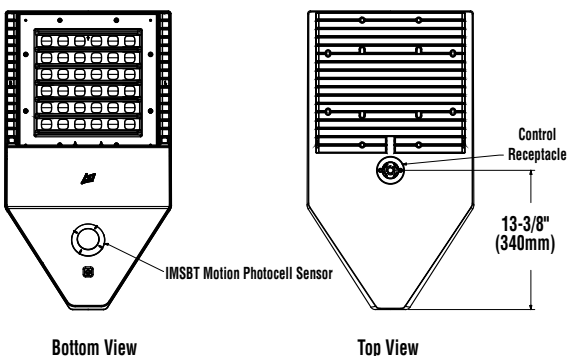
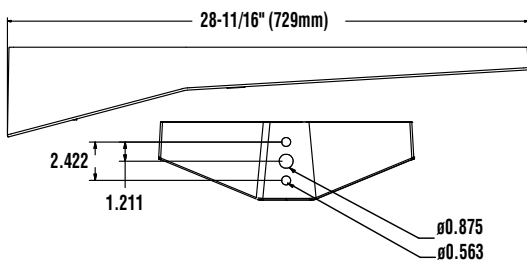
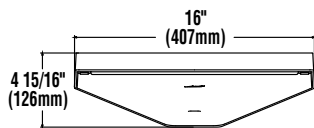


25' Mounting Height/ 25' Grid Spacing

5 FC
 2 FC
 1 FC
 0.5 FC

PRODUCT DIMENSIONS

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LUMINAIRE EPA CHART - SLM									
Tilt Degree		0°	30°	45°	Tilt Degree	0°	30°	45°	
■	Single	0.5	2.1	2.6	⊠	T90°	1.2	2.9	3.6
■	D180°	1.1	2.1	2.6	⊠	TN120°	1.3	4.4	5.4
■	D90°	0.9	2.5	3.1	⊠	Q90°	1.2	2.9	3.6



CONTROLS

AirLink Wireless Lighting Controller

The AirLink integrated controller is a California Title 24 compliant lighting controller that provides real-time light monitoring and control with utility-grade power monitoring. It includes a 24V sensor input and power supply to connect a sensor into the outdoor AirLink wireless lighting system.

The wireless integrated controller is compatible with this fixture.

Click the link below to learn more details about AirLink.

<https://www.lsi-industries.com/documents/datasheets/airlink-outdoor-specsheet.pdf>

Integral Bluetooth™ Motion and Photocell Sensor (IMSBT)

Slim low profile sensor provides multi-level control based on motion and/or daylight. Sensor controls 0-10 VDC LED drivers and is rated for cold and wet locations (-30° C to 70° C). Two unique PIR lenses are available and used based on fixture mounting height. All control parameters are adjustable via an iOS or Android App capable of storing and transmitting sensor profiles.

Click the link below to learn more details about IMSBT.

<https://www.lsi-industries.com/documents/datasheets/imsbt-specsheet.pdf>

AirLink Blue

Wireless Bluetooth Mesh Outdoor Lighting Control System that provides energy savings, code compliance and enhanced safety/security for parking lots and parking garages. Three key components; Bluetooth wireless radio/sensor controller, Time Keeper and an iOS App. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into Area/Site, Wall Mounted, Parking Garage and Canopy luminaires.

Click the link below to learn more details about AirLink Blue.

<https://www.lsi-airlink.com/airlink-blue/>

POLES & BRACKETS

LSI offers a full line of poles and mounting accessories to complete your lighting assembly. Aluminum and steel in both square and round shafts. In addition, LSI offers round tapered, fluted and hinge based poles. Designed and engineered for durability and protected with our oven baked DuraGrip Protection System. Also available with our DuraGrip+ Protection system for unmatched corrosion resistance and an extended warranty. American made in our Ohio facility with industry leading lead times.

Click the link below to learn more details about poles & brackets.

<https://www.lsi-industries.com/products/poles-and-brackets-area-street.aspx>



BKA UMB CLR

The 3G rated UMB allows for seamless integration of LSI luminaires onto existing/ retrofit or new construction poles. The UMB was designed for square or round (tapered or straight) poles with two mounting hole spacings between 3.5" - 5".



BKA ASF CLR

The adjustable Slip Fitter is a 3G rated rugged die cast aluminum adapter to mount LSI luminaires onto a 2" iron pipe, 2 3/8 OD tenon. The Adjustable Slip Fitter can be rotated 180° allowing for tilting LSI luminaires up to 45° and 90° when using a vertical tenon.



BKS PQM15 CLR

The Pole Quick Mount Bracket allows for preset 15° uptilt of LSI luminaires for greater throw of light and increased vertical illumination as well as fast installation onto poles with LSI's 3" or 5" bolt pattern.



BKS PQMH CLR

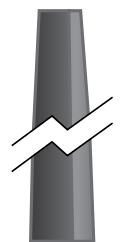
The Pole Quick Mount Bracket allows for lightning fast installation of LSI luminaires onto existing and new construction poles with LSI's B3 or B5 standard pole bolt patterns.



Square Pole
14'-39'



Round Pole
10'-30'



Tapered Pole
20'-39'

