STAFF REPORT FOR THE PLANNING COMMISSION MEETING OF MARCH 25, 2015

FILE NO.: SUP-15-012 AGENDA ITEM: F-4(A)

STAFF AUTHOR: Susan Dorr Pansky, AICP

Planning Manager

REQUEST: To consider a request from 5SEAT Investments, LLC (property owner: Tim McCarville, LLC) to allow a Medical Marijuana Cultivation Facility on property zoned General Industrial (GI), located at 8001 Highway 50 East, APN 008-611-39.

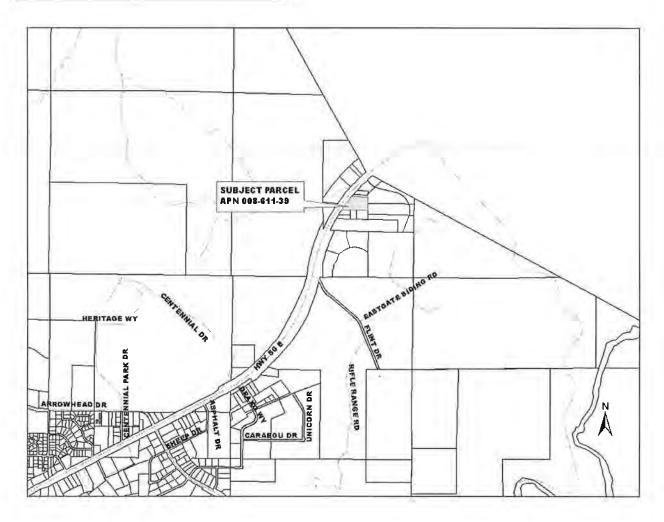
APPLICANT: 5SEAT Investments, LLC

OWNER: Tim McCarville, LLC

LOCATION: 8001 Highway 50 East

APN: 008-611-39

RECOMMENDED MOTION: "I move to approve SUP-15-012, a Special Use Permit request from 5SEAT Investments, LLC (property owner: Tim McCarville, LLC) to allow a Medical Marijuana Cultivation Facility on property zoned General Industrial, located at 8001 Highway 50 East, APN 008-611-39, based on the findings and subject to the conditions of approval contained in the staff report."



RECOMMENDED CONDITIONS OF APPROVAL:

The following shall be completed prior to commencement of the use:

- 1. The applicant must sign and return the Notice of Decision for conditions for approval within 10 days of receipt of notification. If the Notice of Decision is not signed and returned within 10 days, then the item may be rescheduled for the next Planning Commission meeting for further consideration.
- 2. All development shall be substantially in accordance with the development plans approved with this application, except as otherwise modified by these conditions of approval.
- 3. All on- and off-site improvements shall conform to City standards and requirements.
- 4. All on- and off-site improvements shall conform to NRS and NAC 453A and the Adopted Regulations of the Division of Public and Behavioral Health of the Department of Health and Human Services, LCB File No. R004-14, as applicable at the time of development.
- 5. The use for which this permit is approved shall commence within 12 months of the date of final approval. A single, one year extension of time may be requested in writing to the Planning Division thirty days prior to the one year expiration date. Should this permit not be initiated (obtain a Building Permit) within one year and no extension granted, the permit shall become null and void.
- 6. The applicant shall maintain a State certificate to operate a Medical Marijuana Establishment, specifically a cultivation facility, at the subject location prior to commencement of operation. Failure to maintain this certificate will render this Special Use Permit null and void.
- 7. The applicant shall obtain and maintain a valid Carson City Business License for the operation of a Medical Marijuana cultivation facility.
- 8. The project requires application for a Building Permit, issued through the Carson City Building Division. This will necessitate a complete review of the project to verify compliance with all adopted construction codes and municipal ordinances applicable to the scope of the project.
- 9. All areas where vehicles will be driven or parked must be hard surface, either asphalt or concrete. The existing asphalt parking area is in poor condition and shall be resurfaced to a standard acceptable to the Engineering Division.
- 10. The existing parking area shall be striped to accommodate all required parking spaces for the proposed cultivation facility.
- 11. The applicant shall provide parking lot lighting consistent with Carson City Development Standards.
- 12. The applicant shall provide landscaping as shown on the site plan provided with the application. This landscaping shall be consistent with the Carson City Development Standards, Division 3 Landscaping.

- 13. The applicant shall provide architectural detail on the front of the building in compliance with Carson City Development Standards, Division 1 Land Use and Site Design for review and approval by the Planning Division.
- 14. Should the applicant desire signage, the applicant shall submit proposed signage to the Planning Division for review and approval prior to installation. A Sign Permit may be required depending on the nature of the proposed signage. All signage shall conform to Division 1.20 and Division 4 of the Carson City Development Standards, as applicable.

The following conditions shall be completed with any Building Permit application:

- 15. The applicant shall submit a copy of the Notice of Decision and conditions of approval, signed by the applicant and owner, with any Building Permit application.
- 16. All projects and improvements must be performed in accordance with Nevada Revised Statutes (NRS) 624 and Carson City Municipal Code Section 15.05.020.
- 17. Repairs, replacements and alterations must comply with 2012 International Building Codes, 2012 Uniform Plumbing Code or 2012 International Plumbing Code, Uniform Mechanical Code or 2012 International Mechanical Code, 2012 Fuel Gas Code, 2011 Electrical Code, and 2012 Northern Nevada Amendments.
- 18. All contractors are required to carry State and local licenses.
- The project will need to comply with the 2012 International Fire Code and the 2012 International WUI Code, with Northern NV Amendments.
- 20. Provide more detail on the Nitrogen/CO2 sterilization process for new plants.
- 21. Provide more detail on gas flush with Nitrogen/CO2 in drying/curing area.
- 22. The project is in the identified Wildland Urban Interface area of Carson City. The addition will need to comply with the adopted International WUI Code. As long as the addition is under 50% of the existing gross square footage, the existing water supply and access are acceptable.
- Prior to the issuance of a Building Permit, provide proof of the approval to use the well water as your water system for this facility.
- 24. Prior to the issuance of a Building Permit, provide an approved, by Nevada Department of Environmental Protection (NDEP), set of engineered plans of the on-site sewage disposal system.
- 25. Prior to the issuance of a Building Permit, provide a detailed set of drawings, and standard operating procedures on how you will meet the intent of Carson City Municipal Code (CCMC) 12.06.
- 26. Prior to the issuance of a Certificate of Occupancy, provide a letter from your engineer stating that the system was installed according to the NDEP approved plans.
- 27. Effluent from the cultivation process is not allowed to be discharged into an Individual

- Sewage Disposal System per Carson City Municipal Code (CCMC) 12.06.020(B) and 12.06.060(S).
- 28. Effluent from the cultivation process needs to meet all discharge limits as defined in CCMC 12.06.410, before it can be brought to the Carson City Wastewater Reclamation Plan for disposal.
- 29. If chemicals and/or fertilizers are to be used as part of the cultivation process secondary containment will need to be provided for these chemicals per CCMC 12.06.248.
- 30. Please provide Safety Data Sheets for all chemicals or fertilizers that will be used at this facility.
- 31. If greater than 160 square surface feet of material to the existing building will be disturbed, the following items will be required:
 - a. An asbestos assessment done on all applicable materials being disturbed.
 - b. Submittal of a completed Carson City Acknowledgment of Asbestos Assessment form.
 - c. Depending on the results of the asbestos assessment, an EPA 10-day notification may also be required.

The following conditions shall be applicable throughout the life of the use:

- 32. The Special Use Permit for this Medical Marijuana cultivation facility is only valid at the location specified in this application for the operator who obtains the Nevada State certificate for this facility. The Special Use Permit approval shall expire and become null and void if the operator loses or otherwise forfeits his or her State certificate to operate this facility. Special Use Permits for Medical Marijuana Establishments are non-transferable between operators and locations within Carson City.
- 33. All cultivation facility operations shall conform to NRS and NAC 453A and the Adopted Regulations of the Division of Public and Behavioral Health of the Department of Health and Human Services, LCB File No. R004-14, as may be modified from time to time.
- 34. Medical marijuana or medical marijuana-infused products intended for disposal shall be rendered unusable and disposed of off-site at the Carson City Landfill as medical material for immediate burial. Temporary exterior on-site storage of product for disposal shall be prohibited. This method of disposal is subject to change and may be modified by Carson City at any time.
- No consumption of medical marijuana or medical marijuana-infused products shall occur on the premises of this cultivation facility, including the parking lot and surrounding area.
- 36. The sale of medical marijuana products to the general public from this facility is prohibited.
- 37. Outdoor display and sales of medical marijuana merchandise is prohibited.
- 38. Medical marijuana products shall not be visible from outside the cultivation facility at any time.

The applicant shall maintain a ventilation and filtration system at all times to prevent offensive odor discharge from the building that could impact the surrounding properties. Failure to maintain this system, as well as the detection of medical marijuana odors in the vicinity may result in citation and possible revocation of this Special Use Permit.

LEGAL REQUIREMENTS: CCMC 18.02.080 (Special Use Permits), CCMC 18.04.150 General Industrial (GI), CCMC DS 1.20 Development Standards for Medical Marijuana Establishments.

MASTER PLAN DESIGNATION: Mixed Use Commercial (MUC)

PRESENT ZONING: General Industrial (GI)

KEY ISSUES: Will the proposed Medical Marijuana Cultivation Facility be compatible with the surrounding neighborhood and be in keeping with the standards of the Carson City Municipal Code?

SURROUNDING ZONING AND LAND USE INFORMATION:

- EAST: General Industrial/Aggregate Pit
- WEST: General Commercial/Vacant Parcels
- NORTH: General Industrial/Commercial Warehouse Uses
- SOUTH: General Industrial/Retail Commercial Uses

ENVIRONMENTAL INFORMATION:

- FLOOD ZONE: Zone X (areas of minimal flooding)
- EARTHQUAKE FAULT: Zone II
- SLOPE/DRAINAGE: Site has been previously developed and is relatively flat at the western side. The eastern side of the site slopes from northeast to southwest

SITE DEVELOPMENT INFORMATION:

- LOT SIZE: 5.13 acres
- EXISTING STRUCTURE SIZE: 3,120 square feet
- EXISTING PARKING: Estimated at 7 spaces
- SETBACKS: N/A Existing Building
- VARIANCES REQUESTED: None

PREVIOUS REVIEWS:

None

HISTORY:

Senate Bill (SB) 374, commonly referred to as the "Medical Marijuana Act," was adopted by the Nevada Legislature and signed into law in 2013, authorizing Medical Marijuana Establishments in Nevada. In July 2014, the Carson City Board of Supervisors adopted zoning regulations to allow Medical Marijuana Establishments in the General Commercial and General Industrial zoning districts in certain locations in Carson City with the approval of a Special Use Permit and subject to specific development standards.

In addition to the Special Use Permit requirements set forth by Carson City, any Medical Marijuana Establishment applicants are also required to apply to the State of Nevada for a certificate to operate a Medical Marijuana Establishment in Nevada. All applications for Medical Marijuana Establishments for 2014 were submitted and provisional certificates were issued by the State on November 3, 2014. A provisional certificate is a preliminary certificate issued by the State that is contingent on applicants receiving all local zoning and business license approvals. Once those approvals have been verified, the State will issue an official certificate to successful Medical Marijuana Establishment operators.

The applicant for this Special Use Permit to operate a Medical Marijuana Establishment, in this case a cultivation facility, has received a provisional certificate from the State. As a result, a condition of approval has been recommended as a part of this staff report that the applicant must maintain their certificate to operate a Medical Marijuana Establishment in Carson City in order for this Special Use Permit to remain valid. The failure to maintain a certificate to operate from the State would result in the Special Use Permit becoming null and void.

DISCUSSION:

The applicant is proposing to operate a medical marijuana cultivation facility in an existing 3,120 square foot building on Highway 50 East. Under a separate Special Use Permit application, the applicant also proposes to operate a medical marijuana production facility in a planned 1,552 square foot expansion of the existing building. The production facility will be heard on the same agenda as this item. The cultivation facility will grow medical marijuana for use in the applicant's medical marijuana production facility as well as for distribution to other medical marijuana production facilities and dispensaries.

The cultivation facility will consist of three bloom chambers, one vegetation room, one drying room, one trimming/packaging room, two offices, a restroom and a vault. The applicant indicates that the cultivation process will be accomplished through a combined hydroponics and soil process that is outlined in detail in the information provided in the application package. The facility will employ approximately 14 people, with up to seven of those positions being on-site at the same time.

Staff estimates water usage for the facility to be up to 1,000 gallons per day, which is under the threshold of 7,500 gallons per day that would require Growth Management Review. In addition, this facility is not connected to municipal water due to its relatively remote location in relation to the water system. The applicant states that water for the project will be supplied by a well that was drilled on the property in 1974. However, no Proof of Completion was completed on the well and the State Engineer's office canceled the permit in 1977 for failure to comply with the original permit conditions. Regardless, the property has continued to operate with the well and without the property owner's knowledge that the well permit had been cancelled. The property owner is now aware of the situation and intends to resubmit an application on the existing well to get it legally permitted. The Engineering Division is aware of this situation but has no objection to the proposed project based on the status of the well. The Health and Human Services Division has indicated that they would like the applicant to provide proof that the well has been approved for the proposed project. Staff has incorporated this requirement into the recommended conditions of approval.

In addition to not being connected to domestic water, the project is also not connected to the city system system, but instead to an existing septic system. Again, due to the relatively remote location of the proposed project, connection to the city's sewer system is not a feasible option. In

working with the applicant, Engineering and Health and Human Services staff have determined that continuing to utilize a septic system for the proposed project is acceptable, provided that it be designed and engineered appropriately and to the satisfaction of the Nevada Division of Environmental Protection. Conditions of approval have been recommended by staff to address these requirements.

Traffic volumes are estimated to be relatively low, with daily trips limited to approximately 18 average daily trips. Approximately 14 of these trips will be associated with employees, while the other four trips will be associated with deliveries to and from the facility. Staff notes that the parking area and driveway approach are in poor condition and will be required to be paved and striped as a part of this project.

Along these same lines, staff notes that no landscaping is present on the property currently. Staff has discussed this concern with the applicant and the applicant has provided proposed landscaping areas on the site plan included with the application. Staff finds the proposed landscaping areas to be acceptable and has recommended a condition of approval that the new landscape areas comply with Carson City Development Standards, Division 3 – Landscaping.

Additionally, staff notes that part of the proposal for the existing building for the cultivation facility, as well as the expansion for the production facility, includes removing the existing front-facing windows in the building and making the entire front of the building solid concrete block. Per Carson City Development Standards, Division 1 – Site Design, smooth faced block is not allowed as the predominant building material. Staff has recommended a condition that the applicant provide architectural detail on the portion of the building that faces the public right-of-way in order to comply with the Development Standards. This will be reviewed for approval by the Planning Division at the Building Permit stage.

The applicant proposes a security plan that includes additional perimeter chain-link fencing at the east and south sides of the building, as well as new exterior building lighting, and extensive surveillance that includes the following:

- Devices or a series of devices to detect unauthorized intrusion, which may include a signal system interconnected with a radio frequency method, such as cellular, private radio signals, or other mechanical or electronic device;
- At least one 19-inch or greater call-up monitor;
- A video printer capable of immediately producing a clear still photo from any video camera image;
- Video cameras with a recording resolution of at least 704x480 or the equivalent providing coverage of all entrances to and exits from limited access areas and all entrances to and exits from the building, capable of identifying any activity occurring within the grow rooms in low light conditions;
- A method for storing video recordings from the video cameras for at least 30 calendar days;
- A failure notification system that provides an audible and visual notification of any failure in the electronic monitoring system;
- Sufficient battery backup for video cameras and recording equipment to support at least five minutes or recording in the event of a power outage; and
- Immediate automatic or electronic notification to alert local law enforcement agencies of an unauthorized breach of security at the medical marijuana establishment in the interior of each building of the establishment.

The applicant's proposed hours of operation are 7am to 7pm seven days per week. Staff notes that the limitation on hours of operation set forth in the Carson City Development Standards is for dispensaries only and that the applicant could operate outside of their proposed hours if they choose to do so.

To mitigate concerns of medical marijuana odor from the facility, the applicant proposes to use can filters, charcoal filters and Uvonair ozone systems in each of the bloom rooms of the facility. State regulations require that medical marijuana facilities do not emit odors that are detectable from outside of their facilities. Additionally, staff has recommended a condition of approval to address odor concerns as a part of this report.

A Special Use Permit is required for the proposed project for the following reason:

 Pursuant to Carson City Municipal Code, Section 18.04.150, General Industrial Conditional Uses, a Medical Marijuana Establishment requires the approval of a Special Use Permit subject to Carson City Development Standards, Section 1.20, Medical Marijuana Establishments.

As stated above, Medical Marijuana Establishments are subject to specific criteria outlined in the Carson City Development Standards, Section 1.20 – Medical Marijuana Establishments. These development standards and how the proposed cultivation facility meets them are addressed below:

1.20 Medical Marijuana Establishments.

The following standards are intended to establish minimum standards and Special Use Permit review criteria for Medical Marijuana Establishments, including Cultivation Facilities, Dispensaries, Production Facilities, and Testing Laboratories, as defined in Title 18 and NRS, in addition to other standards for commercial and industrial development.

- 1. The following standards apply to all Medical Marijuana Establishments.
 - a. All Medical Marijuana Establishments (MMEs) require approval of a Special Use Permit. Special Use Permits for MMEs are only valid at a given location for the operator who obtains the Nevada State certificate for that facility. The Special Use Permit approval shall expire and become null and void if the MME operator loses or otherwise forfeits his or her State certificate to operate that facility. Special Use Permits are non-transferable between operators and locations within Carson City.

Staff has recommended a condition of approval outlining these requirements.

- b. No consumption of Medical Marijuana products shall occur on the premises of any MME.
 - Consumption on the premises of the cultivation facility is not proposed. Staff has recommended a condition of approval to address this requirement.
- c. All business activities related to MMEs, including cultivation, shall be conducted indoors, within a permanent building. The use of office trailers or other temporary structures is prohibited. All MMEs shall have an appearance, both as to the interior and exterior, which is professional, orderly, dignified, and consistent with the

traditional style of pharmacies and medical offices.

The business activities for the cultivation facility are proposed to be conducted inside an existing permanent building. Cultivation activities are in line with industrial-type activities, in buildings that are not accessible by the public. Therefore, a building such as the one proposed is appropriate for this use, rather than a building that is consistent with the traditional style of pharmacies and medical offices. The building is required to be professional, orderly and dignified nonetheless.

d. Outside display or sales of MME merchandise shall be prohibited.

Outside display and sales is not proposed with the cultivation facility. Staff has recommended a condition of approval to address this requirement.

e. Accessory outside storage for MMEs shall comply with Title 18.16 Development Standards, Division 1.12 Outside Storage.

Outside storage is not proposed with this cultivation facility.

f. Access to the MME shall be restricted in compliance with State regulations.

A condition of approval has been recommended that the cultivation facility maintain compliance with all State regulations.

g. No MME-related products shall be visible from outside the building.

Based on the nature of this cultivation operation, MME-related products are not anticipated to be visible from outside the building. Staff has recommended a condition of approval to address this requirement.

h. Sign Requirements. All MME signage shall be discreet, professional, and consistent with the traditional style of signage for pharmacies and medical offices. All MMEs shall follow the sign regulations for Office Uses in the Development Standards, Division 4, except that freestanding sign height for Cultivation Facilities, Production Facilities, and Testing Laboratories shall be limited to 10 feet consistent with sign height requirements for industrial uses.

The applicant is not proposing signage with this application. Staff has recommended a condition of approval that will require that signage be reviewed and approved by the Planning Division prior to installation, should the applicant decide to pursue signage.

- i. Parking Requirements. Parking shall be provided for MMEs as follows:
 - (1) Cultivation Facilities. One space per 1,000 square feet of gross floor area.

The proposed building and expansion will house co-located medical marijuana cultivation and production facilities. The cultivation facility portion of the building is expected to be approximately 3,120 square feet, which would require four parking spaces based on the requirement of one space per 1,000 square feet of gross floor area. The required parking for the production facility, estimated at 1,552 square feet, is four spaces based on one space per 500 square feet of

gross floor area. Together, the total parking requirement is eight spaces.

The existing parking lot is not currently striped but staff believes that a minimum of eight spaces can be accommodated. The applicant has provided for eight parking spaces on the site plan included in the application. Staff believes the existing parking area is in poor condition and has recommended a condition of approval to repave the area and to restripe for the required parking spaces. Finally, staff recommends a condition that the applicant be required to install parking lot lighting in compliance with Carson City Development Standards, Division 1.

No more than two Dispensaries shall be permitted in Carson City.

This item is not applicable to medical marijuana cultivation facilities.

k. A MME shall not be located within 1,000 feet of a public or private school that provides formal education traditionally associated with preschool or kindergarten through grade 12 or within 300 feet of a facility that provides day care to children, a public park, a playground, a public swimming pool, a center or facility, the primary purpose of which is to provide recreational opportunities or services to children or adolescents, that existed on the date on which the application for the proposed MME was submitted to the State Health Division, measured on a straight line from the nearest school or community facility property line to the front door or primary entrance of the MME.

Staff has verified that the proposed cultivation facility meets the minimum distance requirements outlined in this standard. This is further substantiated with the zoning letter provided by staff to the applicant on August 6, 2014 for submission with their State application. The zoning letter is included in the application for reference.

- 2. The following standards apply to all Medical Marijuana Dispensaries.
 - a. A single point of secure public entry shall be provided and identified.

Not applicable to medical marijuana cultivation facilities.

b. Hours of operation shall be limited to 7:00 a.m. to 8:00 p.m., seven days per week.

Not applicable to medical marijuana cultivation facilities.

c. Drive-through service is prohibited.

Not applicable to medical marijuana cultivation facilities.

d. A Dispensary shall not be located on property or within a shopping center with frontage on the same street on which a residentially-zoned property is located unless the Dispensary is located more than 300 feet from the residential property, measured on a straight line from the nearest residential property line abutting the street right-ofway to the front door of the Dispensary.

Not applicable to medical marijuana cultivation facilities.

- 3. Special Use Permit review standards. The following shall be considered in the review of any Dispensary located within the General Industrial zoning district in addition to the required Special Use Permit findings:
 - a. That the proposed Dispensary is located where sufficient, convenient and safe access is provided to the public.

Not applicable to medical marijuana cultivation facilities.

b. That the proposed location has adequate lighting and street improvements for a use providing public access.

Not applicable to medical marijuana cultivation facilities.

Staff finds that the proposed cultivation facility meets the applicable development standards required. With the recommended conditions of approval and findings provided by the applicant, staff is in support of this Special Use Permit application. Staff recommends that the Planning Commission approve SUP-15-012 based on the required findings as noted on the following pages.

PUBLIC COMMENTS: Public notices were mailed to 36 adjacent property owners within 300 feet of the subject site on March 9, 2015. As of the writing of this report, no comments in support or in opposition of the proposed project have been received. Any comments that are received after this report is completed will be submitted to the Planning Commission prior to or at the meeting on March 25, 2015, depending on the date of submission of the comments to the Planning Division.

OTHER CITY DEPARTMENTS OR OUTSIDE AGENCY COMMENTS: The following comments were received by various city departments. Recommendations have been incorporated into the recommended conditions of approval, where applicable.

Building Division:

- 1. All projects and improvements must be performed in accordance with Nevada Revised Statutes (NRS) 624 and Carson City Municipal Code Section 15.05.020.
- Repairs, replacements and alterations must comply with 2012 International Building Codes, 2012 Uniform Plumbing Code or 2012 International Plumbing Code, Uniform Mechanical Code or 2012 International Mechanical Code, 2012 Fuel Gas Code, 2011 Electrical Code, and 2012 Northern Nevada Amendments.
- 3. All contractors are required to carry State and local licenses.

Fire Department:

- 1. The project will need to comply with the 2012 International Fire Code and the 2012 International WUI Code, with Northern NV Amendments.
- 2. Provide more detail on the Nitrogen/CO2 sterilization process for new plants.

- 3. Provide more detail on gas flush with Nitrogen/CO2 in drying/curing area.
- 4. The project is in the identified Wildland Urban Interface area of Carson City. The addition will need to comply with the adopted International WUI Code. As long as the addition is under 50% of the existing gross square footage, the existing water supply and access are acceptable.

Engineering Division:

All areas where vehicles will be driven or parked must be hard surface, either asphalt or concrete.

Health and Human Services:

- 1. Prior to the issuance of a Building Permit, provide proof of the approval to use the well water as your water system for this facility.
- 2. Prior to the issuance of a Building Permit, provide an approved, by Nevada Department of Environmental Protection (NDEP), set of engineered plans of the on-site sewage disposal system.
- 3. Prior to the issuance of a Building Permit, provide a detailed set of drawings, and standard operating procedures on how you will meet the intent of Carson City Municipal Code (CCMC) 12.06.
- 4. Prior to the issuance of a Certificate of Occupancy, provide a letter from your engineer stating that the system was installed according to the NDEP approved plans.

Environmental Control Authority:

- 1. Effluent from the cultivation process is not allowed to be discharged into an Individual Sewage Disposal System per Carson City Municipal Code (CCMC) 12.06.020(B) and 12.06.060(S).
- 2. Effluent from the cultivation process needs to meet all discharge limits as defined in CCMC 12.06.410, before it can be brought to the Carson City Wastewater Reclamation Plan for disposal.
- 3. If chemicals and/or fertilizers are to be used as part of the cultivation process secondary containment will need to be provided for these chemicals per CCMC 12.06.248.
- 4. Please provide Safety Data Sheets for all chemicals or fertilizers that will be used at this facility.
- 5. If greater than 160 square surface feet of material to the existing building will be disturbed, the following items will be required:
 - a. An asbestos assessment done on all applicable materials being disturbed.
 - b. Submittal of a completed Carson City Acknowledgment of Asbestos Assessment form.
 - c. Depending on the results of the asbestos assessment, an EPA 10-day notification may also be required.

FINDINGS: Staff's recommendation is based upon the findings as required by CCMC Section 18.02.080 (Special Use Permits) enumerated below and substantiated in the public record for the project.

1. Will be consistent with the master plan elements.

Chapter 5: Economic Vitality, Goal 5.1d – Industrial Specializations

The addition of a medical marijuana cultivation facility meets the Master Plan goal of promoting a variety of industrial specializations. The proposed cultivation facility will provide medical marijuana products to retail dispensary outlets in the region and will help to support the needs of current and future medical marijuana patients.

2. Will not be detrimental to the use, peaceful enjoyment, economic value, or development of surrounding properties or the general neighborhood; and will cause no objectionable noise, vibrations, fumes, odors, dust, glare or physical activity.

The proposed cultivation facility will be located in an existing building. The nature of the business is in line with general industrial uses and is not expected to cause objectionable noise, vibrations, fumes, dust, glare or physical activity. The cultivation facility does have the potential to produce medical marijuana plant odors that may be detected from outside the facility. To address this concern, the applicant proposes a ventilation system to control odors. Staff has also recommended a condition of approval to address potential odor concerns.

3. Will have little or no detrimental effect on vehicular or pedestrian traffic.

The proposed cultivation facility is anticipated to generate very low levels of vehicular traffic and essentially no additional pedestrian traffic. The applicant indicates that the facility will employ up to 14 employees, with seven employees on site at any given time. The applicant estimates that up to 18 average daily trips will be generated per day between employees and deliveries. The proposed traffic level is lower than what is generally anticipated for general industrial uses and is not expected to have a detrimental impact.

4. Will not overburden existing public services and facilities, including schools, police and fire protection, water, sanitary sewer, public roads, storm drainage, and other public improvements.

The proposed cultivation facility is located in an existing building and should not have impact on existing public services such as water, sanitary sewer, storm drainage or other public improvements. Staff estimates the water usage for the property to be up to 1,000 gallons per day but this demand will be served by an existing well and not by city services. Additionally, there will likely be an increase in sewage disposal above what is currently generated at the building, but it will be handled by a septic system and holding tank on the site and will not impact the sewer system. The storm drainage should be unaffected.

There is no anticipated impact on schools and the impacts on police and fire protection are unknown at this time as this is a new use in Nevada. The applicant has proposed

security measures that are intended to supplement police services so that impacts to such services would be minimal.

5. Meets the definition and specific standards set forth elsewhere in this title for such particular use and meets the purpose statement of that district.

Medical Marijuana Establishments are a conditional use in accordance with Title 18.04.135 General Industrial Conditional Uses and require a Special Use Permit. With the approval of this Special Use Permit and recommended conditions of approval, the project will meet the definition and specific standards required to support this use in the General Industrial zoning district.

6. Will not be detrimental to the public health, safety, convenience and welfare.

The proposed cultivation facility will be located in an inconspicuous, secure space with limited access by only those employed by the facility or authorized to enter it. This facility will not be open to the public and is not anticipated to be detrimental to the public health, safety, convenience and welfare.

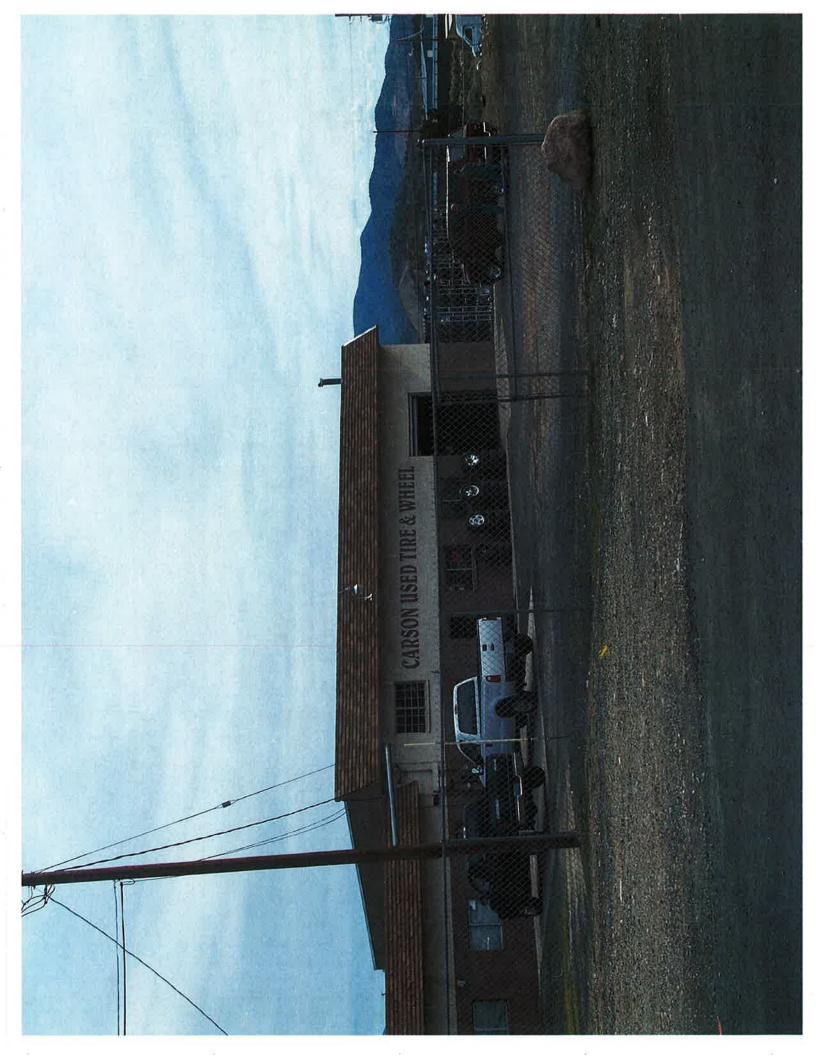
7. Will not result in material damage or prejudice to other property in the vicinity.

The cultivation facility is proposed in an existing building within the General Industrial zoning district. The operation will not be accessible by the public and is intended to be inconspicuous and unobtrusive as all operations will be conducted inside. It is not anticipated to result in material damage or prejudice to other property in the vicinity.

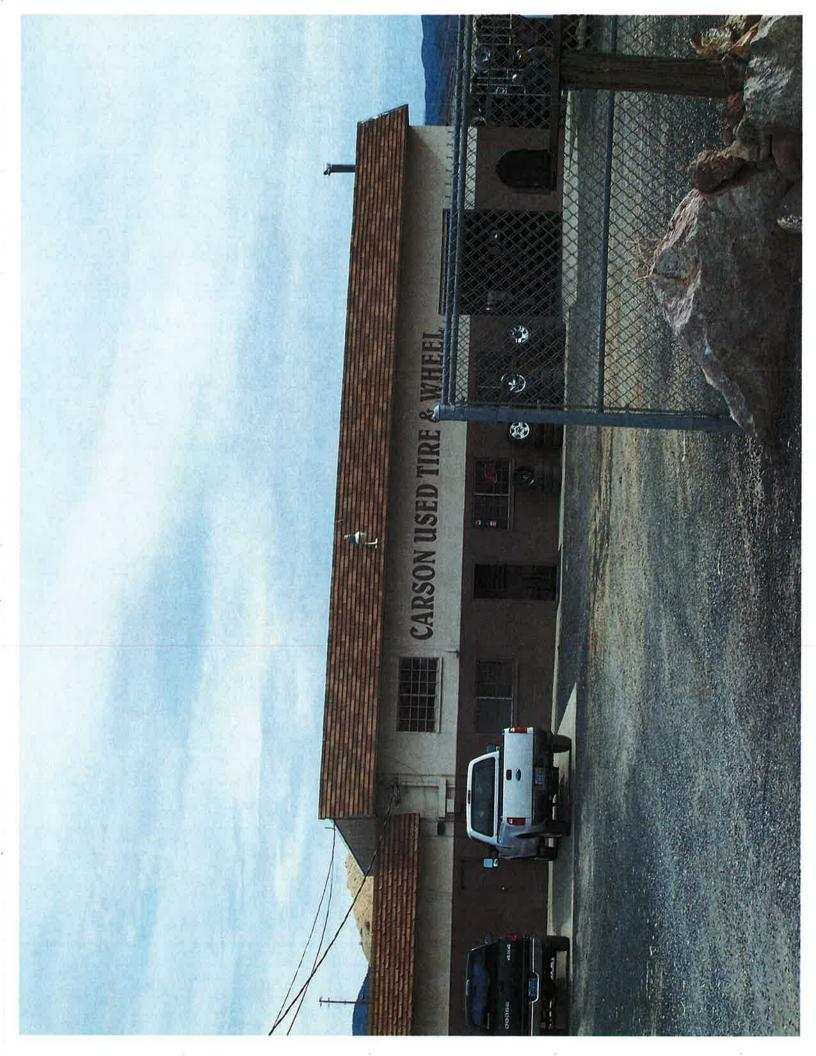
Attachments:

Site Photos
Building Division Comments
Fire Department Comments
Engineering Division Comments
Health and Human Services Comments
Environmental Control Division Comments
Supplemental Application Information
Application (SUP-15-012)









Susan Dorr Pansky

From:

Shawn Keating

Sent:

Tuesday, February 24, 2015 11:12 AM

To:

Susan Dorr Pansky

Subject:

SUP-15-012 & 013 (APN 008-611-39)

Susan, see below for comments on # SUP-15-012 MME Facility.

- 1. All projects and improvements must be performed in accordance with Nevada State Revised Statute (NRS) 624 and Carson City Municipal Code (CCMC) 15.05.020.
- Repairs, Replacement, and Alterations must comply with 2012 International Building Codes, 2012 Uniform
 Plumbing Code or 2012 International Plumbing Code, Uniform Mechanical Code or 2012 International
 Mechanical code, 2012 Fuel Gas Code, 2011 Electrical Code, Adopted International Energy Conservation Code,
 and 2012 Northern Nevada Amendments.
- 3. All Contractors are required to carry State and local license.

Thanks.

Shawn Keating

Chief Building Official Carson City Community Development 108 E. Proctor Street Carson City, NV 89701

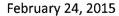
Main 775-887-2310 FAX 775-887-2202

Shawn Keating CBO

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Building Official
Carson City Community Development Department
Office 775-887-2310
Fax 775-887-2202
Cell 775-230-6623

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Comments for 15-012:



- 1. The project will need to comply with the 2012 International Fire Code and the 2012 International WUI Code, with Northern NV Amendments.
- 2. Provide more detail on Nitrogen/CO2 sterilization process for new plants.
- 3. Provide more detail on gas flush with Nitrogen/CO2 in drying/curing area.
- 4. The project is in the identified wildland urban interface area of Carson City. The addition will need to comply with the adopted International WUI Code. As long as the addition is under 50% of the existing gross SF, the existing water supply and access are acceptable.

Dave Ruben

Captain – Fire Prevention Carson City Fire Department 777 S. Stewart Street Carson City, NV 89701

Direct 775-283-7153 Main 775-887-2210 FAX 775-887-2209



Engineering Division Planning Commission Report File Number SUP 15-012

TO:

Planning Commission

FROM

Rory Hogen, E.I.

DATE:

February 26, 2015

MEETING DATE:

March 25, 2015

SUBJECT TITLE:

Action to consider an application for a Special Use Permit from 5SEAT Investments, LLC to establish a medical marijuana cultivation facility at 8001 Hwy 50 E, apn 08-611-39.

RECOMMENDATION:

The Engineering Division has no preference or objection to the special use request. The following item must be addressed:

 All areas where vehicles will be driven or parked must be hard surface, either asphalt or concrete.

DISCUSSION:

The Engineering Division has reviewed the conditions of approval within our areas of purview relative to adopted standards and practices and to the provisions of CCMC 18.02.080, Conditional Uses. All construction and improvements must meet the requirements of Carson City and State of Nevada Codes and Development Standards.

CCMC 18.02.080 (2a) - Adequate Plans

The information submitted by the applicant is adequate for this analysis.

CCMC 18.02.080 (5a) - Master Plan

The request is not in conflict with any Engineering Master Plans for streets or storm drainage.

CCMC 18.02.080 (5c) - Traffic/Pedestrians

The proposal will not affect traffic or pedestrian facilities.

CCMC 18.02.080 (5d) - Public Services

Existing facilities appear to be adequate for this project. There is no City sewer or water service near this site.

Susan Dorr Pansky

From:

Dustin Boothe

Sent:

Tuesday, March 10, 2015 4:20 PM

To:

Susan Dorr Pansky

SUP-15-012

Carson City Health and Human Services

Water

Prior to the issuance of your building permit, provide proof of your approval to use the well water as your water system for this facility.

Sewer

Prior to the issuance of your building permit, provide an approved, by Nevada Department of Environmental Protection (NDEP), set of engineered plans of the On Site Sewage Disposal System.

Prior to the issuance of your building permit, provide a detailed set of drawings, and standard operating procedures on how you will meet the intent of CCMC 12.06.

Prior to the issuance of your Certificate of Occupancy, provide a letter from your engineer stating that the system was installed according to the NDEP approved plans.

SUP-15-013

Carson City Health and Human Services

Water

Prior to the issuance of your building permit, provide proof of your approval to use the well water as your water system for this facility

Sewer

Prior to the issuance of your building permit, provide an approved, by Nevada Department of Environmental Protection (NDEP), set of engineered plans of the On Site Sewage Disposal System.

Prior to the issuance of your building permit, provide a detailed set of drawings, and standard operating procedures on how you will meet the intent of CCMC 12.06.

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Dustin Boothe, MPH, REHS Carson City Health and Human Services 900 E. Long St. Carson City, NV 89706 (775) 887-2190 ext. 7220

dboothe@carson.org

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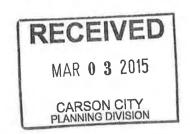
Dustin Boothe, MPH, REHS Carson City Health and Human Services 900 E. Long St. Carson City, NV 89706 (775) 887-2190 ext. 7220

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March 3, 2015

Major Project Review Committee

Re: SUP-15-012



After initial plan review the Carson City Environmental Control Authority (ECA), a Division of Carson City Public Works Department (CCPW), has the following requirements per the Carson City Municipal Code (CCMC) and the Uniform Plumbing Code (UPC) for the SUP 15-012 located at 8001 Hwy 50 East project:

- 1. Effluent from cultivation process not allowed to be discharged into a Individual Sewage Disposal System per Carson City Municipal Code (CCMC) 12.06.020(B), and 12.06.060(S).
- 2. Effluent from the cultivation process needs to meet all discharge limits as defined (CCMC) 12.06.410, before it could be brought to the Carson City Wastewater Reclamation Plant for disposal.
- 3. If chemicals and or fertilizers are to be used as part of the cultivation process secondary containment will need to be provided for these chemicals per CCMC 12.06.248.
- 4. Please provide Safety Data Sheets for all chemicals or fertilizers that will be used at this facility.
- 5. If greater than 160 square surface feet of material to the existing building would be disturbed the following items would be required.
 - a. An asbestos assessment done on all applicable materials being disturbed.
 - b. Submittal of Carson City Acknowledgement of Asbestos Assessment form.
 - c. Depending on results of asbestos assessment an EPA 10 day notification may also be required.

Please notify Mark Irwin if you have any questions regarding these comments, I can be reached at 775-283-7380.

Sincerely;

Mark Irwin
Environmental Control Officer 3

c: David Bruketta, Utility Manager.
Kelly Hale, Environmental Control Supervisor.



= SUP - 15 - 013

Civil Engineering

Surveying

- SIIP - 15 - 0 1 2

Water Resources Management
Water & Wastewater Engineering

Supply Chain Logistics

Construction Management

Environmental Sciences

Landscape Architecture

Land Planning

February 20, 2015

Susan Dorr-Pansky, AICP Planning Manager 108 East Proctor Street Carson City, NV 89701

Re:

SUP-15-012 & SUP-15-013



Dear Susan,

On Behalf of 5SEAT Investments, Manhard Consulting is providing the following additional information in response to your request letter dated February 18, 2015.

1. Provide information on the general cultivation process. This does not need to include information that may be deemed as proprietary, but we would like to know, in general terms, how the cultivation process will work at this facility.

A detailed Cultivation Methodology summary is included as an attachment to this letter and also been inserted into Appendix D of SUP-15-012.

Provide information on the infusion side of the production process including the types of products that
are anticipated to be produced. This does not need to include information that may be deemed as
proprietary, but we would like to know, in general terms, how the infusion side of the production process will
work at this facility.

Detailed information on the infusion side of the production process including a product list has been included as an attachment to this letter and also been inserted in to Appendix D of SUP-15-013.

Provide general information on methods of security that will be used for the building. Detailed security information is not required, but information on the types of security measures that will be employed is required.

A complete preliminary security plan has been included as an attachment to this letter and also been inserted into Appendix D of both of the SUP applications

4. Provide information on ventilation measures that will be taken to ensure that odor will not be detected from outside the building.

Detailed information on the proposed ventilation measures has been included as an attachment to this letter and also inserted into Appendix D of both SUP applications

5. Provide information on the anticipated plans for the accessory structure that is located on the property.

The current plans for the existing accessory structure on the property are to use the building for noncombustible storage and freeze protection for the well pressure tank and supply lines.

6. Expand on the traffic information to include anticipated daily trips of employees as well as weekly trips for deliveries in and out of the facility.

Estimated traffic generated from the project is 18 ADT. These trips are estimated to be composed of 14 ADT generated by employees and 4 ADT by associated deliveries.

7. Provide hours of operation for each facility.

Anticipated hours of operation of the facilities will be 7 am to 7pm.

8. Provide general information on proposed fencing if more is planned beyond what currently exists on the site. Type of fencing and location will be sufficient.

The site plan provided proposes new chain link fencing to be installed on the south and east portions of the property at the limits of the proposed improvements. The new fencing is proposed to tie into the existing fencing located on the on the north and west side of the property.

9. Provide general information on lighting proposed for the project. Location and general type of lighting including site, parking lot and building lighting will be sufficient, no spec sheets are required.

General lighting information for the project has been included as an attachment to this letter and also inserted in Appendix D of both SUP applications.

If you have any questions, or require any additional information, please feel free to contact me directly.

Sincerely,
Manhard Consulting

Christopher Baker, LEED AP

Planning Manager



Cultivation Methodology

To ensure quality, consistency, and safety of all medical Cannabis products produced in its facilities, MedCanna Consulting, an industry leading Cannabis agronomy consultancy, has developed a detailed plan with strict policies and procedures for its cultivation operations. This plan consists of a proven methodology developed by MedCanna and its members, who bring a combined experience of nearly 75 years in producing high quality Cannabis.

MedCanna's plan incorporates proper genetic selection of strains (chemovars) with established and tested cannabinoid profiles that have proven and/or anecdotal evidence of efficacy in treating medical ailments. Their advanced bio-organic cultivation techniques, include strict environmental controls, software tracking of all products from seed to sale, organic pest control methods, in-house and third party testing for molds and contaminants as well as advanced curing and packaging methods.

MedCanna in conjunction with T.H. Seeds® holds a vast library of different Cannabis genetics. Most have already been tested for their Cannabinoid profiles, and all have amassed anecdotal evidence of medicinal efficacy for various ailments. Through using specific chemovars that exhibit known medicinal values and cultivating them within their preferred environment a very high level of consistency and purity can be attained. They incorporate pruning and screening techniques to help with even hormone distribution throughout the plant. All undergrowth is removed at different stages to allow for an even Cannabinoid profile throughout each plant. Any parts of the crop deemed less than exceptional can be used for processing for extraction and incorporated into extract production.

Each crop will be tested first in-house and ultimately by a third party lab prior to any product being released for sale. Crops will be tested for molds (ultraviolet light and high powers microscope inspection) residual insecticides, fungicides (both through chromatographic analysis), and Cannabinoid profiles (THC/THC-A/THC-V/CBN/CBD/CBD-A) using HPLC (High Performance Liquid Chromatography) to third party standards. By utilizing all known safeguards and following their well-practiced Integrated Pest Management system there will be no chance of any contaminated product reaching the patient.

Any plant genetics entering the facility will be kept under quarantine for a period of six days, during which a three-part sterilization procedure will take place. This process involves the use of both Ozonated water and CO2/Nitrogen gas; this ensures the



cleanliness of the "stock" plants, which in turn will eliminate the need for any chemicals to be used during the growth stage. A once weekly fumigation of vegetative plants/units with Ozonated or electrolyzed water will ensure an environment free of unwanted pathogens. Application of all facets of Integrated Pest Management will be rigorously adhered to. Cleanliness of the individual units as well as the rest of the facility is key. Daily monitoring of plants and traps will allow for the immediate implementation of measured responses should safe operating parameters be exceeded.

Keeping the climate in the grow space and the root zone at optimal levels, coupled with regular inoculation with beneficial organisms will ensure that pathogens cannot take hold and proliferate. Sterilization of units during changeover will be carried out as a standard. Sterilization of the drying and curing section will be performed before the product enters, and after the product leaves the chamber. A gas flush with CO2 or Nitrogen gas of the drying unit with the product inside will ensure sterility of the finished medicinal product. All finished product is to be stored under vacuum with Nitrogen gas.

There are a number of OMRI listed insecticides and fungicides available on the market, Many of these work reasonably well, especially when sprayed preventatively, although they are no replacement for good practices. All of the organic products used have a defined time in which they break down. If necessary, these products can be incorporated for use, well within their recommended dosages and use timelines. These products include organically based pyrethrums, neem oils, mineral oil or alcohol based products and biologically active products such as BT and Spinosad.

A well-structured fertilization schedule gives the plants just what they need, but not more, this eliminates the presence of ballast salts and un-used fertilizers in the end product. They incorporate three different types of organically based enzymes throughout the growth process, coupled with a flushing period toward the end of the bloom cycle. Ballast feed levels will be measured from run off and basic lab tests of the grow medium. This allows on the spot decisions about nutrient dosing. Plant tissue analysis will also be used in determining nutrient levels and allow us to ensure that there are no extra ballast materials in the end product.

The use of the BioTrackTHC "seed to sale" software system will aid us in maintaining strict controls within the cultivation facility. BioTrackTHC provides the ability to "tag" or barcode each plant and track its treatment and environmental conditions from the beginning its of life through harvest, processing, and ultimately sale. Via this barcoding and tracking system all end user product will track back to a production lot and in the unlikely event of contamination of any kind or residual ballast, insecticide or fungicide



level deemed unacceptable by third party standards, the entire lot can easily be identified and disposed of in a legal and safe manner.



Extraction Methodology

MedCanna Consulting's extraction plan includes extracts and concentrates for multiple end uses. The goal is to provide consistent and safe extracts for both the producer and consumer. MedCanna utilizes traditional sieved extraction methods, both dry and water-assisted, as well as CO₂ supercritical fluid extraction (SFE). Sifted extracts involve mechanical separation of the trichomes from the plant material. The trichomes contain the essential oils and cannabinoids of the plant. Once separated from the raw botanical material the trichomes can then be used for vaporization and further processing into infused products and edibles. Ultimately these extracts will be used to produce hashish, oils, tinctures, sublingual sprays, medicated gelcaps, and food products of consistent dose and cannabinoid profile.

We also plan on using supercritical fluids for extraction. A supercritical fluid is any substance at pressures and temperatures above its critical point where it acts both like a gas and a liquid. This allows the solvent or CO₂ to pass through the raw botanical material and extraction of the cannabinoids and essential oils in a safe and efficient manner. Traditionally this has been done with more dangerous solvents such as butane or acetone. However there are numerous studies showing that butane as well as other solvent based extracts can contain high levels of residual hydrocarbons or solvents which are potentially toxic and can lead to pulmonary issues. Butane is also highly flammable and butane extraction is responsible for numerous near fatal explosions throughout the industry.

MedCanna Consulting uses safe and environmentally friendly carbon dioxide (CO₂). Carbon Dioxide is the most commercially used supercritical solvent. It has been used on a large scale for extraction of hops for beer production and decaffeination of coffee beans as well as production of essential oils for pharmaceutical purposes. CO₂ is non-toxic and is Generally Regarded As Safe (GRAS) by the FDA for use in food products; has no added heavy metals or toxic contaminants that other solvents may have; and is also nonflammable, greatly reducing the need for an explosion proof environment for making extracts. The CO₂ utilized in extraction is a renewable resource as it is a byproduct of the manufacturing industry. In a closed-loop SFE extraction setup it is possible to recapture as much as 95% of the CO₂ used.

A CO_2 SFE extraction setup must contain a pump for the CO_2 , a pressure cell to contain the sample, a means of maintaining pressure in the system, and a collecting vessel. The liquid is pumped to a heating zone where it is heated to supercritical conditions. It



then passes into the extraction vessel where it rapidly diffuses into the solid matrix and dissolves the material to be extracted. The dissolved material is swept from the extraction cell into a separator at lower pressure and the extracted material settles out. The CO₂ can then be cooled, re-compressed and recycled.

By regulating and varying the pressure and temperature you can control the extraction instrument and selectively extract various parts of the plant. Ideally a higher pressure would be initially run, then the essential oil purified in further stages. At higher pressures CO₂ will extract cannabinoids, terpenes, plant waxes and even pigments. All of these have numerous end uses and a great medicinal value. Depending on the unit which could hold anywhere from a 1 liter to a larger 20 liter unit it would take one to six hours to run its complete cycle. Since CO₂ does not have the dissolving power of traditional hydrocarbons there may still be valuable essential oils left in the botanical material that may need to be run again.

MedCanna plans on refining these extracts and offering them in infused products and other end-user consumables. The use of CO_2 extracts during extract production ensures consistency and quality throughout the manufacturing process and ensures a safe and desirable end product. The nature of CO_2 extracts provides a more rich and full spectrum extract form the plant as well, this will allow for further purification and isolation of specific compounds to tailor treatments towards the patients needs.

Once the system is done running the oleoresin that comes out of the machine is set aside for further purification. At this point, the Cannabis oleoresin (raw oil) has a wide variety of medicinal components from the plant. With basic lab equipment these can be separated depending on their ideal end use. The cannabinoids and terpenes ideally are going to be used in aromatherapy devices or infused products. These products may need to be vacuum dried to ensure stability and preservation for future use. The plant waxes and some of the pigments from the plant have amazing value as topical products. Once isolated and identified they can be put into numerous products to treat a number of skin conditions.



5SEAT INVESTMENTS LLC

Product list and Description for: File#SUP: 15-013

#1-Master concentrate:

- A fully destearinated cannabis resin.
- Available as tincture standardized to 50mg/ml.
- Tincture is in 2 and 4oz bottles.
- Available as solid resin for vaporization or raw ingestion.
- Solid resin available in .5g, 1g and 3.5 g packages for vaporization or raw ingestion.

#2-Cannabis Lipid Fraction:

- Waxes, Phytosterols, Fatty acids and alcohols of the cannabis plant.
- Used in topical products.
- Promotes circulation and healing.
- Used in topical oil in the place of other waxes.
- Packaged in 8oz plastic tubs.

#3-Custom ratio extract:

- Extraction is prepared in the same fashion as product #1.
- Selected strains such as AC/DC provide a CBD dominant extract.
- Any of the high THC and low CBD (>1%) strains on file provide a THC dominant extract.
- Extracts are accurately assayed for cannabinoid content.
- Extract are either sold as a CBD dominant or as an assayed blend in a
- 50:50 ratio THC:CBD.
- Resulting extract is offered as tincture or solid resin.
- Resulting extract is offered as tincture or solid resin.
- Custom Ration Extract tincture is packed in 2 and 4oz bottles.
- Custom Ratio Resin is packaged in .5g,1g, and 3.5g amounts.

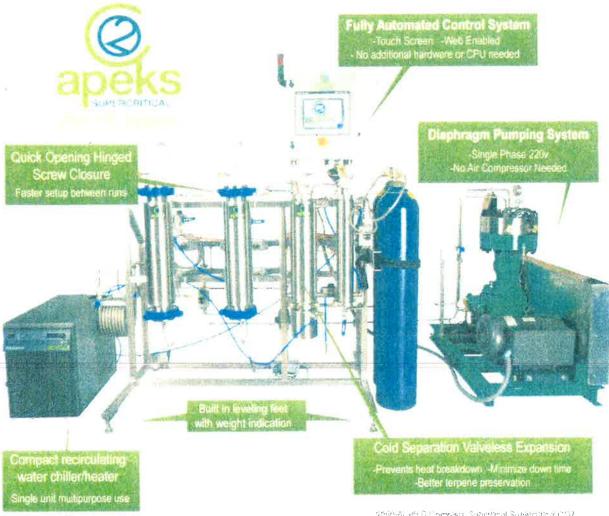
#4-Topical Oil:

- A high quality massage oil blend of coconut, avocado, almond and Cannabis Lipid Fraction with essential oils.
- infused to 150mg/oz using the Master concentrate.
- Packaged in 4 and 8oz bottles.

- Equipment
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- * About
- · Diews
- 1 verily



Electrically Efficient 2000psi Subcritical/ Supercritical CO2 Systems for Botanical Oil Extractions



2000-3Lv5LD Complete Subtrition Superview C1-2 Evitable on System

Apoks Supercritical's 2000ps systems are designed to provide subcritical and supercritical CO2 folianical oil extractions with low overall power consumption in a compact design. All 2000ps systems come antipped 4rth our energy efficient, 220% single phase diaphragin ouriping system.

Our fully automated 2000ps; systems utilize our parent pending

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The benefits of our new 2000psi systems with diaphragm pumping technology are summarized below:



- Processing Time Reduction Extraction times have been demonstrated to be up to 21% faster compared to our older 15(figur system extraction times)
- Ambient Noise Reduction. New recoordings recliniclegy eliminates the need for a circuly connected compressed air system. Anche can reduce ambient noise levels up to 75%.
- Waste Hear Elimination Alorer driven system completely eliminates the waste near that is produced by compressed air drive systems. This reduces facility our conditioning loads and eliminates the need for discretely in manage the waste hear.
- Reduced Power Consumption Improved rectronistions rectionly reduces your Hoover required for the motion as much as 50%. Regenerative heat exchangers are employed to making thermal hyproducts and climate the model for multiple fivaters and children.
- 996 CO2 Gas Recovery—Caracter CO3 primping recharings allows for 95% CO2 recentler, which maximizes operational custs and improves worker sales.
- . Power Friendly Commonly is adulte single phase 2201 electricity is required for the system. No need to search for a literaty with 3 phase power
- . Loss Completity and Maintenance. New reureulation technology has significantly fewer moving parts improving reliability and radicing maintenance costs by as much as 30%.
- Smaller Footprint. Or etail space resurred for the system has been reduced by $2^{89} \sigma$
- Sally Automated. All Applys Supercritical systems are fully represented systems are fully represented which allows feel and reliable extractions while reducing operator skill level and training times compared to manually operated systems.

All Apeks Supercritical systems have undergone a third party Lugineering Peer Review which has approved by the Washington State LCB, the Colorado All D and multiple Fire Departments!

System Features:

- Single or dual 50, and 30) permattion vessel options
- Sample to operate no complicated control systems or computer saterfaces
- Internet Messaging real time drian text netification of system condition changes
- Safe Ail respols are designed field manufactured in recordance with ASME specifications and pressure ratings. Redundant safety features protect the system from accidental overpressuration. Tubing connections are made with proven compression futing technology—the same fittings are used in aircraft and off-shore on platforms. Non-isolable pressure ignges are on their pressure obtaining vessel for fisual verification of depressorazation prior to opening.
- Environmentally Foundly System recirculates CD2 during extraction and allows for receivery of CO2 after extraction is complete
- Easy to clean. All Zandess steet construction. Vessels have potented micrors and quick opening closing mechanisms. All tubing can be removed and re-assembled for thorough eleming. Separators/collection vessels use PDA sanitary fitting and connections.
- Reliable VE.F (Valveless Expansion Technology) no constructions or regulating valves to cause dogging of the system and loss of production time
- Efficient Regenerative heat traibler significantly reduces overall energy consumption. Jacketed vessels and states recirculation allow for capture and transfer of near through extraction evole
- Effective Extraction media is contained in extraction resist with integral filters, filters also acras a liquid CO2 dispersant to avoid channeling in the product. Reversible flow through the extractor ensures all material is extracted.
- Flexible variable separation/collection/vessel sizes can accomodate varying yield amounts. Jacketed vessels can be configured for larger differential temperature if needed.
- Easy to understand—open frame design and cisual indication of valve positions allows for easy assessment of flow paths and system configuration. No invaterious buxes with offer and outlet connections to the courses.
- Modulor additional extraction vessels can be added to the system with no welding required
- Small footpent asystems are designed to minimize space requirements—all operations occur from the front of the system
- Production friendly—integral weighing feele and system timer help users efficiently run their extractions

Click to Obtain Current 2015 Pricing and ROI

System Specifications:

They have for the PA10 diagram

Entraction Vessel

- Multiple vessel configurations available 5 hier 20 liter two 5 hier or two 20 hier vessels.
- Volume
 - 51 yease! holds up to 3 pounds of dry, ground material
 - 201 sessel holds up to 12 pounds of dry, ground material
 - SOTE vessel does not need to be full in order to perform an evaluation
- Pressure imatum microssure (200) ps/(137 bur).
- · Compensure max (60F (7)C)
- · Materials 304 standess sieer Nessel interior is polished to food grade lene?
- · Cleavres Hammer Union (commonly used in oil and gas industry for temporars piping) top with vitegral hitigo-
- . Serling mechanism self-energized sering seels, Buna-90 material
- Filter interval filters on closure heads. 20 micron standard inthe sizes visibable
- · Temperature measurement internal K-type thermoccupie senses detual extraction temperature
- Pacher volume = 20L mossel (3 Liters (4 Sigation) 51 vessel (4.5 Liters (4.2 million))
- · Salety non-isolable apanel tended safety relief, alive prevents accidental over-presentation
- Addition of a second Extraction Vessel can be used to double system expecting

C 572 Recirculation Famo

- * Plouring 15 CFM gardow
- · Construction by draminally actuated diaphragm
- . Materials all waited parts are 116 stainless stept
- Filter—confescing filter on safet to minimize oil introduction
- * Satety non-isolable spring loaded safety revel value prevents accidental over-prossurration

Separators

- 2 segarators standard on each unit. Laiger collection due on l'at segarator regulable.
- Volume Separator (± St. Separator 2 ± 2.5 f. iters
- Pressure: "M: from messure = 600 psi (d) bar)
- Temperature up to :60F:71Cs
- Matorials 104 stainless steel
- · Closures IDA sentary ayle belied
- · Sealing-mechanism · sanitary pasket anick-streams
- Safety non-soltable spring loaded cafety relief valve provents accidental over pressur/zation

Separation Mechanism

thow both from extractor to 1st separator is continuous diameter with to ensure turns. Separation occurs in 1st separator autizonal contributed separation and depression action

Meat Exchangers

- · Construction tube in tabe style
- Materials 300 stainless sizel
- · Coolingd learing blodis water

Chiller/Heater

- · Recirculating thiller heater
- Temperature mage +10C to 40C (14F to 158F)

Dimensional Information

- N wessel configurations
 - LO BUILDE SESSE SESSESSION FOR THE
 - I The second second second
 - Child have not any married and a fill your
- # 20L vessel configurations

- * Late Service His DEN 1911 Demont
- 1765 hard for the abultany 2005-200 or Googelie

Control System

- * Functions Fully automatic Programmable Logic Controller (PLC) touch screen interface with first level safety functionality and user programmable pressure, temperature and time. Also has built in hour and maintenance timers, electronic weighing scale, and alarm log
- * Safety pressure transducers monitor system pressure and shit down system to prevent accidental over pressurization
- Optional Data acquisition

User Supplied System Requirements

- # Extractor Fleetmeat 115V AC, 60 frz, 15A
- * Chiller/Heater Electrical 220V AC 1 phase 60 ftz, 15A Plug is NEMA 6-15R
- CO2 Gaseous CO2 (no dip tube), food grade or better. No regulator needed
- € Diaphragin Pump Electrical- 226V i phase 50A service. Plug is NEMA 6-50R.

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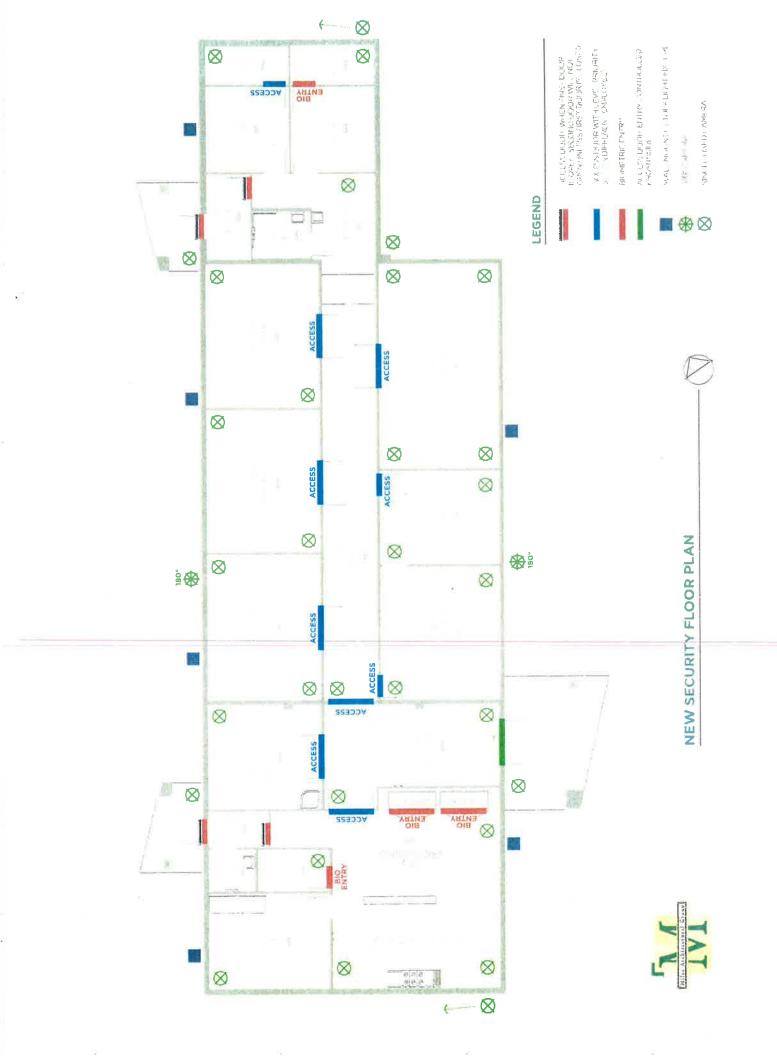


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840 people like Tree Tolling



Fags





Security Plan

Kanna

8001 Highway 50 East

Carson City, NV 89701

Prepared By:

Tim Kolakowski

All Pro Security, Inc.

1295 East Moana Lane Suite D

Reno, NV 89502

NV License 56430

COMPANY INTRO:

All Pro Security, Inc.: Since inception date of Sept. 2002, with over 40 years of combined experience we provide advanced on-time installations needed to protect people and property at the fullest ability. We are a full service design, install and service company. The applications we provide are security, fire, monitoring, access control and video solutions. We design and complete the installation to each customer's needs and requirements by any local and federal regulations per industry standards. Our 24/7 service and dedication to our customers, quality and on-site support are a few of the many advantages to having All Pro Security, Inc. as your full service security provider.

Proposed Security Plan:

Intrusion Detection System: The system will consist of Honeywell security panel (Vista 20P). The panel will communicate via a Honeywell GSMV4G GSM cellular radio that communicates in Contact ID format. This combination panel/communicator transmits all signals (ie: alarm, trouble, and test) to Rapid Response Monitoring. Both Underwriter Laboratories (UL) and Factory Mutual (FM) certify rapid Response Monitoring central station.

The system will send a test signal to the central station from both the main control panel and the GSM radio on a 24-hour basis. The back-up power supply will also be capable of supplying power in the event of power loss for a period of 24 hours. Once power is lost an "AC Loss" signal will be sent to the central station and the proper persons will be notified.

The vault area will have a separate partitioned portion of the system which will allow this area to be armed at all times when it is not occupied.

The system will have the following levels of protection:

- A. Exterior Door Contacts: In the event of breach during after hours
- B. Interior Door Contacts: Vault Area Protection for higher level employees with access
- C. Motion Detection: For Common Areas and near doors.
- D. Glass Break Detection: In areas with any glass to outer building perimeters.
- E. Panic Buttons: Remote and Stationary in event of a breach of security and imminent danger

Any signals (i.e. Bypassing of zones, low battery, loss of AC, Alarms) will be sent via text or email to any owner or manager as requested.

Access Control System: The Access Control System will be The Honeywell NetAXS-123. This panel is self-contained and is programmed on-site with a web browser. All access cards will be programmed based on door location, schedule and employee duties, limiting the ability of unauthorized entry into a secure portion of the building. For high security areas (ie. Vault) employees will be required to present their card/keyfob followed by presenting their fingerprint in order to gain entry. Further, these areas will then require the alarm system being disarmed. This will provide redundancy on the security of these areas.

The access control system will store a log of all authorized access to doors as well as unauthorized attempts to access a door. All events are time stamped with date and time.

Upon approval of Authority Having Jurisdiction, there will be an extra security measure at the two employee entrances to avoid the breach with multiple persons entering, by means of only allowing one

door to be open at one time. In case of fire, the exit doors will have an emergency relay to cut power to the mag-locks to enable egress out and ingress in for fire department as needed. AHJ may require additional egress for emergency if this type of system is enforced.

<u>IP Video Surveillance System:</u> The video security surveillance system will operate 24 hours a day, 7 days per week. The cameras will be positioned on the exterior and interior of the building. Some areas which will be covered but not limited to are the parking lot, all exterior sides of the building, all entrances to and from the building and all interior rooms and hallways.

The Exacq Video Server will have the following features: The hard drives are a RAID 5 configuration providing a high level of reliability. Having all storage of video on a main server allows for this device to be stored in a very high security area preventing the ability of being tampered with by unauthorized individuals. This server and all POE network switches will have an uninterrupted power supply (UPS) so that it will continue to operate in the event of power loss. All cameras are powered by "power over Ethernet (POE)" so they are also protected from a loss of building power.

The software installed on the server is Exacq IP video surveillance and security platform, is a comprehensive video management system that combines powerful network video recorders (NVRs) with physical security information management (PSIM) functionality. Ocularis represents the latest evolution in IP video surveillance and security. As an integrated video and event management platform, it includes a full-fledged video management system (VMS) for streaming, recording and managing an unlimited number of cameras at multiple sites. Ocularis' straightforward workflow provides a collaborative environment in which video and alerts from across the organization are converted into meaningful events, for efficient shared handling and building a video-evidence case file. Monitors installed will all be 19" and larger. Access into the software is password protected.

Exterior cameras will consist of Arecont Vison 180 degree cameras and HikVision 3 MP fixed cameras protecting the entire perimeter. Interior cameras will consist of HikVision 1.3 and 3MP vandal domes in all areas inside.

Closing

All Questions regarding the proposed schedule of protection can be directed to:

Tim Kolakowski President All-Pro Security, Inc. 775-560-6623



5SEAT INVESTMENTS LLC

KANNA SECURITY NARRATIVE

FILE # SUP 15-013 MME Production

8001 Hwy 50 East Carson City, NV

To prevent unauthorized access to medical marijuana at a medical marijuana establishment, the Kanna MME project will have:

- 1. Security equipment to deter and prevent unauthorized entrance into limited access areas that includes, without limitation:
- (a) Devices or a series of devices to detect unauthorized intrusion, which may include a signal system interconnected with a radio frequency method, such as cellular, private radio signals, or other mechanical or electronic device.
- (b) Exterior lighting to facilitate surveillance.(c) Electronic monitoring including, without limitation:
- (1) At least one 19-inch or greater call-up monitor;
- (2) A video printer capable of immediately producing a clear still photo from any video camera image;
- (3) Video cameras with a recording resolution of at least 704 x 480 or the equivalent providing coverage of all entrances to and exits from limited access areas and all entrances to and exits from the building, capable of identifying any activity occurring in or adjacent to the building;
- (4) A video camera at each point of sale location allowing for the identification of any person who holds a valid registry identification card or his or her designated primary caregiver purchasing medical marijuana;
- (5) A video camera in each grow room capable of identifying any activity occurring within the grow room in low light conditions;
- (6) A method for storing video recordings from the video cameras for at least 30 calendar days;
- (7) A failure notification system that provides an audible and visual notification of any failure in the electronic monitoring system; and
- (8) Sufficient battery backup for video cameras and recording equipment to support at least five minutes of recording in the event of a power outage.
- (d) Immediate automatic or electronic notification to alert local law enforcement agencies of an unauthorized breach of security at the medical marijuana establishment in the interior of each building of the establishment.
- 2. Policies and procedures:
- (a) That restrict access to the areas of the establishment that contain marijuana to persons authorized to be in that area only;
- (b) That provide for the identification of persons authorized to be in the areas of the establishment that contain marijuana;
- (c) That prevent loitering;
- (d) For conducting electronic monitoring; and
- (e) For the use of the automatic or electronic notification to alert local law enforcement agencies of an unauthorized breach of security at the medical marijuana establishment.



5SEAT INVESTMENTS LLC

KANNA SECURITY NARRATIVE cont;

FILE # SUP 15-013 MME Production

8001 Hwy 50 East Carson City, NV

Lighting;

Kanna will install sufficient lighting outside of the registered premises to be used each day between sunrise and sunset that adequately illuminates the cultivation center and its immediate surrounding area, including storage areas, parking lots, and entry areas. Specifically, Kanna will install ViVidleds Wall Mount77-5036 lm-700ma security lights.

Exterior lighting will be installed near video surveillance devices to ensure proper illumination for the identification of people, vehicles and license plates within 40 feet of the building. The outdoor lighting we be hooded to deflect light away from adjacent properties. Sufficient exterior lighting serves as a deterrent for robbery and burglary.



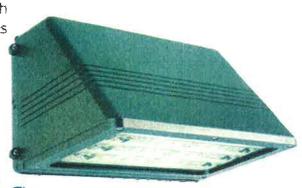


LED Features:

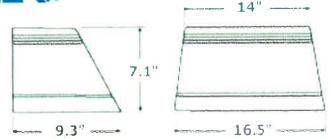
- Highest quality, long life CREE XTE R2 LEDS
- UL and CUL Listed for wet location IP65
- Long lasting die-cast aluminum housing
- Architectural bronze UV resistant powdercoat finish
- Position adjustable for 2 different light distributions
- Heavy duty silicone foam gasket included
- Extremely long life stylized design
- High quality thermal heatsinks
- Rugged product construction throughout
- Excellent CRI: RA>75
- Low Ti for long life and low lumen depreciation
- Low starting temperature: -30C
- IC controlled LED circuits
- 3 year system warranty

Wall Mount

Trapezoid Cut-off Series







Simple One Person Mounting

Models:



Andrage Beim Angre(50%) 108 C.

- VVD31115FR: 15 LEDS 40W 2752 Lm 700mA
- VVD31130FR: 30 LEDS 77W 5036 Lm 700mA

Ordering:

Part #	Color Temp	Voltage
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VVD31130FR	Ordering Example	n VVO31115FR-N-UNV









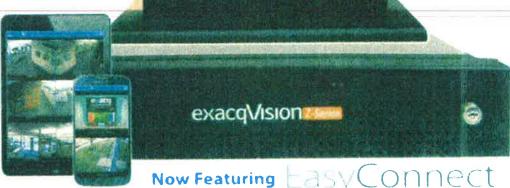


exacq\/ision

Powerful, Intuitive IP Video Surveillance Software & Servers From Complete Single Camera to Enterprise Solutions

Product Brochure





The Power of IP Cameras with the Simplicity of Analog



























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exacq\/ISIOn A-Series

IP Camera Servers
IP Cameras and Encoders

exacgVision A-Series IP Camera Servers

Reliable, Professional Grade Systems

Key Features & Benefits:

- All in One Solution Video recording, web/mobile client hosting, and local live video display from the same server
- Network Video Recording Servers IP Camera Servers -- Record IP cameras and encoders. Live and recorded video viewable through free exacqVision client application.
- Up to 64 IP Cameras Per Server Up to 64 IP cameras per server. Compatible with over 1,800 IP camera
 models. Continuously record up to 550Mbps of video. Use our configuration calculator to find the perfect
 exacqVision server for your application.
- Enterprise Class Storage Up to 32 TB of storage per server using continuous duty enterprise class drives.
 Optional RAID on 40 models.
- Cross-Compatible Local, Remote and Mobile User Interfaces Access live and
 recorded video on multiple client PCs with free Windows, Mac or Linux client
 application, exacqVision web server application is pre-installed on the server to access
 video through a web browser or free Mobile iPhone/iPad and Android apps.



- Professional Chassis for all Requirements 20 and 40 rackmount chassis ideal for server rooms with optional rack mounting kits. Compact deaktop chassis ideal for space constrained applications.
- Unlimited Scalability Pre-loaded with exacqVision Professional video management system (VMS) software. Easily
 add additional IP camera licenses and change out cameras. Add unlimited additional servers for greater capacity or
 dispersed geographic location. Manage individual systems from the same user interface or upgrade to exacqVision
 enterprise to easily manage multiple servers simultaneously.
- CPU Upgrade Option Available CPU upgrade option increases local client and web server performance up to 100% and enables hosting of Certified Software Applications (CSA) such as video analytics or point-of-sale interfaces on exacqVision servers. CSAs are software developed by Exacq technology partners and tested by Exacq for reliable operation on exacqVision servers. Save hardware costs, rack space, and support costs by loading multiple applications on one exacqVision server.
- 3-Year Hardware Warranty, 3-Year Software Subscription Agreement (SSA) 3-year hardware warranty and 55A included. Update client, server and web server software with the latest exacqVision software features at no additional cost during the 3-year SSA period.



TECHNICAL SPECIFICATIONS

A-Series IP Camera Servers

Camera Settings	2U	4 U	Desktop
Maximum IP Cameras	Expandable up	to 64 cameras per server (data rate	dependent)
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All paint regime on can be found in the product rejetog at https://exacq.com/catalog/ Specifications subject to change. Visit www.exacq.com/or the most current product specifications.



Exacq Technologies, Inc. 11955 Exit Five Parkway Fishers, IN 46037 USA Exacq Technologies Europe, Ltd. Business & Technology Centre Bessemer Drive Stevenage, Herts SG1 2DX-UK +1.317.845.5710 USA +5255.56080817 Mexico +44.2087.505660 UK/Europe +852.8120.9275 Hong Kond



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VMS Software Solutions Overview

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Accessories



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exacqVISION Server & Hardware Cheatsheet

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Leading the Way in Megapixel Video

SurroundVideo® Omni Megapixel IP Cameras

12MP WDR or PUMP HI264 Alisin-Dise Omn-Directional Use-Configurable Multi-Sensor Day Night Indiger Outdook Doine IP Cameras



Use One Megapixel Surround Video Omni for a Wide Range of Requirements.

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True Days Night









SurroundVideo Omni



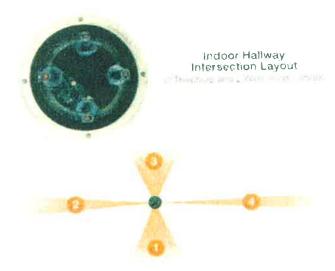
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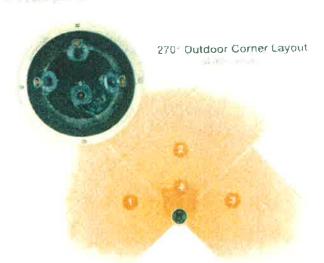
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Reduce the Number of Cameras to Improve Coverage and Simplify Installation

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SurroundVideo* Omnì Megapixel IP Cameras

Accessory Configurations



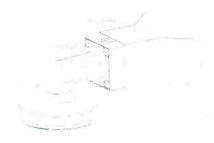
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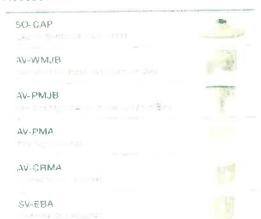


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Corner Mount

Accessories







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Global Sales and Support

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Arecont Vision

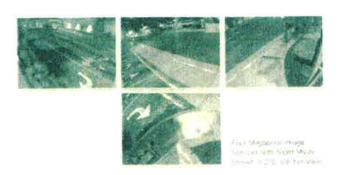
Maga Dynamic Wide Dynamic Range (WDR)

The 12MP SurroundVicted Contributions produces blear images in axiometry civalencing lighting conditions. Are contivious is WERT rechnology, deliners a straining range of unito it clinib as full insolvable, without bosening from males, WERT miximizes the unsolution detailing outhought and their areas of the pene. The WORT performance of the Surroundvicted Communication and account representation of WERT cameratic interviews of the WERT cameratic interviews of Contribution and Association (Contribution and Association (Contribution)).

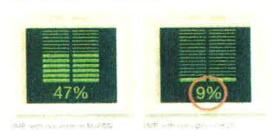


Enhanced Low Light Performance

As part of their superior Day/Night aperation. Surroundings of Union cameras include low light enhancing technology with a machanical IRI intrared) out filter, pixel birning and adaptive opine-calculation. Day/Night cacability autoropaidally winders from solar to black/white operation of increase sensibility and image classy at right or much spaces.



H 264 Decompression (example:



Compliant H.264 Compression by Arecont Vision

Supplier trades and that equivalent without southering image doors in the region and that equivalent without southering image doors. With on the control may CPU south that NVMS something to supplie the trade in the client potential southers are trade somethings with. The places that bencewath and littings when on NVPEG Plant Type Streaming Protection (NVPEP silburg Sectional and the ALPEG Plant Type Streaming Protection (NVPEP silburg Sectional and Alpega Section (NVPEP) allowed to the section of the Section (NVPEP).

Model Comparison

Model	Sensor	Full Resolution	Max Frame Rate 9 Full Resulution	Minimum Mumination	L arts	HJ264V MJPEG	Day/ Night	ROW	Binning Mode
4V12176DN-NL						127			
AV121760N-28								ď	
AV12176DN-Q8									
AV201750N-NL				y	= 0	2	7		5
AV20175QN-28									
AV20175DN-08						8	1		- 5

Options

-NL	The second second second
-28	programme of the control of the cont
-08	





DS-2CD2112-I

1.3MP Outdoor Dome Camera

Specifications



Available models

:Neight

08-2002112-1 (1.3MP)

600a





Key features

- 1.3 Megapixel (1280 x 960) High Resolution
- HD 720p Real-time Video
- . True Day / Night Auto Switch
- IP66 Ingress Protection
- IR LEDs up to 30m
- Vandal-proof Housing

Dimensions

Accessories







Semples and being

Mikelsion USA, Inc. 25 July 1 July 1 July 1 July 2


DS-2CD2132-I

3MP IR Fixed Focal Dome Camera

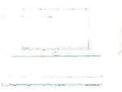




Key features

- · 3 megapixel (2048 x 1536) resolution
- Full FID 1980p real-time video
- · 3D DNR & DWDR & BLD
- · IR LEDs, up to 30m
- · 1266
- · PaE
- Vandal-proof

Ormensions





Cara Vol.	DEACH TO THE THE PARTY OF THE P
fmage sensor	1/3" progressive scan CMOS
Nhn siummabon	O 10 NX (BFZ)O AGC ON U TO NAME TR
Shutter time:	1/30s - 1/1/90 1/00s
Lvis	4mm @F2.0, single of view 75.8 (2.8mm, Gram, 12mm civilianal)
Lana mount	W15
Angle adjustment	Pan () - 355 (9) 9 - 66
Digital noise reduction	OD ONE
vilide dynamic range	Digital NDR
Day 3 mghl	Twe
Compression standard	《新华的文化》。1879年 - 1870年 - 1870年 - 1870年 - 187
Visted compression	HIZEH / NUPERS
H 264 codes profile	Macrostofile
Bitrate	DZ Kops - 16 Mors
Dual stream	Yes
	AND THE RESERVE THE PARTY OF TH
Max image resolution	2048 × 1838
Frame rate	60242 159ps (2043 i 1536) 30fps (1920 i 1088) 30fps (1280 (729)
image settings	Saturator brightness cyntine adjustable though chemical ware or web proviser
ELC	resizone configuração
Name of the last	Mary Transfer of the Control of the
Network sterage	NAS
Alcum Ingger	Motion detection isompriming alarm
Chalacals:	TOO BE WITH DINCE DING DOING AT BIRTS BAD E SIXTO NIT SHIME HITES FIRE
System compatibility	DNVIE PSIA CSI
Seneral functionalities	Veier auther Beatien, watermark
foliate .	AND THE STATE OF T
Communication interface	1.R345 FOM 1150M sittemet cont
Commo	是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个
Choerating conditions	- 我们 C 一 ED IC LIZE F — 140 F L hornidity 引かった less infor-nondenating)
Power Albuh	12 7/00 1 10% P68 (8)(2)3aft
Prover consumption	Man SM ITVE with (CR on)
in eact protection	IECOCURA-273EN SCIT ENSO ICE UP O INTO

Available models

Vigress profeshori

is rende

Meight.

Dimensions

IFRO ALL

de fill 1 6 signam

163 1 60022

appeared 10 to 30 maters.

DS-20D21324

Accessone



Wall Young

Plastic Markley

DS-1258Z1

DS-1280ZJ-DM15 Conduit Sees for

2112 Denre Gameras

4

OS-1270ZJ-110

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State of the state

Historian USA, Inc.

E Married Library

Honeywell

VISTA-20P

VISTA* CONTROL PANEL



The high capacity, feature-rich VISTA-20P tets you deliver more value to your customers on each and every sale with up to 48 zones of protection, internet uploading/clownloading, graphic keypad support and dual partitions, VISTA-20P gives you the ability to send alarm signals and upload/download via an internet Protocol (IP), improving the speed at which information can be delivered to and from the control panel.

In addition, the VISTA-20P, used with an AlarmNet* internet or 4G communicator can be installed in dramises without TELCO lines. The panel's installation advantages, innovative encl-user benefits and robust system capacity make the value-priced VISTA-20P an ideal choice for higher end installations.

FEATURES

- IP alarm reporting and uploading/ downloading pacability for internet and Intranet use via GSMV4G, 7845-ENT, GSMV4G or GSMX4G
- Supports four graphic touchscreen keypaids
- Wireless keys can be programmed without using zones
- Eight on-board hardwired zones standard (15 when Zone Doubling feature is used)
- 40 hardwire expansion zones
- 40 Jureless excension zones
- Two low current on-dosted trigger outputs
- 100 Event Log viewable at system keypads with time/date stamp
- 48 system user codes assignable to either partition
- Expandable to 48 total zones when used with hardwired anction wireless expansion modules
- Two independent partitions plus a common partition
- Global Arming from any system keybad
- Go to function to view or operate one partition from the other
- Separate partition account numbers

- 16 output devices.
- Relays (Model 4284 Relay Modules or 4229 Expansion Module)
- Four installer-configurable zone types allows the installer to create oustom zone types by assigning all zone attributes
- Supports four-wire and up to 16 has-wire stockes
- Works with Sentrol CleanMe™ maintenance signal
- Multiple actions on output devices depending on system state
 - Turns lights off when system arms.
- Turns the same light on when system disarms
- Plashes same lights when system is in alarm.
- Built-in phone line cut monitor with programmable delay and annunciation options
 - Display on system keypads
 - Trigger local sounders
 - Trigger system ball

Security Dealer Features

- Automatic System Load Shed
- During extended AC power fail, the system battery will be disconnected to prevent ineversible battery failure. Reduces service calls to replace batteries.

- Dynamic Signating
- Reduces redundant reporting to the pentral station, when multiple reporting methods are used, us, digital dialer and AlarmNet radio.

Valuable End-user Features

- · Wewable on system keypads
- Ёха рациярыя»
- Time and date display!
- Event log"
- Auto herveid becklightigg on entry
- Keyswitch arming
- Programmable Packs outtons and single-burton arming
- Supports a value of virteless remote controls for single-button operation
- User Scheckling.
- Latchkey redorts to careers
- Auto arm/disarm
- 'User access' intelligences
- VIP Module allows system control from any touchtone phone
- Chime by zone
- Fully compatible with Honeywell Total Connect "Planno"s Services

Plaquires phatom albit a several

VISTA-20P

VISTA® CONTROL PANEL

SPECIFICATIONS

Electrical

- Aux. power 12VDC, 600mA maximum
- Seven hour standby at 400mA axx. toad with lour amp hour battery
- 16.5VAC/25VA transformer
- Alarm output 12VDC, 2.9 amps max. For UL installations, combined aux and alarm bulbut cannot sucasci TCEmA

Output Control

- · Supports up to lour relay boards luc to 16 relays
- Octional X-10 transformeránteriace. ipart no. 4300) may be used to control up to 16 X-10 recenting devices.

- Eight hardwired zones 115 with zone decicling)
- Selectable resconse 16 msec. 350msec. 750msec
- Assignable to any partition.
- 20 selectable zone types plus four configurable zone types
- Programmable swinger suppression

Expansion Devices

- 42 19 Eight hardwired zones 16dW.
- 4204 Up to four relays 15mA stansiby. leach active relay draws an additional 40mA).
- 1229 Eight han liwred zones and two. relave - 36mA (each active relaw ciraws an additional 45mA.

Accessories

- IGSMV4G internet and Digital. Cellular Communicator with Flymate Service Cacability
- 7845FEMT Enterorise internet Communicator

- GSMV4G Digital Cellular Communicator with Remote Service Capability
- · GSMX4G Digital Cellular Communicator for VISTA Control Panels
- 5881 ENL RF Receiver supports up to eight zones - 60mA
- 5881ENM supports up to 16 zones BDmA
- . 5881EAH supports to to 48 zones - 60mA
- 5883 Transceiver supports up to 40 zones - Burna

Keypads

- 6162 Custom Alona Security Keycod
- 6162V voice Sustoin Albria Security Keybeid - 80mA/190mA
- · 6162RF Custom Alpha Received Security Keybard - 120mA 210mA
- 6152 Found-English Security Keybad - JOHNAY PORNA
- 6152V voice Folect-English Security Keycar) - 60mA 196mA
- 5152FF/6152FFFR Fixed-English/French Receiver/Security Keydad - 3CmA-105mA
- 8152ZN/8459ZNFP Exert-English French Securic, Reydad with Handwired Zone _ 35-A/80 m A
- 6 N43 Fixed English LCD 30 mA 55 mA
- 9280 Color Graphic Touchscreen. Keypad with Voice
- Turedo Touch " ITUMM Color Gracine Home/Blueines: Controller (White)
- Tursdo Touch with Integrated Mi-Fir TUXMEM, Color Graphic voice Touchscreen Security Keycaul and Home/Susiness Controller with endy. 14-in hereigatin

Agency Listings

ETL listing

 Residential Fire and Burgiany - Household Fre Warning System Units - ANSI/UL 985, 2000x05/26 (5th ethbon) with revisions up to 2004/04/29

Smoke Detectors

- · Supports up to 15 two-wire amoke delectors
- Supports four-wire smake detectors

Communications

- IGSMN4G Internet and Digital Cellular Communicator with Renocte Service Capaciti
- 7845-ENT Ewentilise Internet Communicator
- GSMV4G Digital Cellular Communicator with Remote Service Capability
- GSMM49 Digital Callulat Communicator for VISTA Control Paliets
- · Touchtane or bake
- Formets supporter!
- ADEMOS* Correct ID
- ADEMOCIA + 2 Express
- LIBERT WOLDSMEDE "
- Sesente Problem as
- · 3+ 1, 4 1 sind 1+2 recorre
- Beconting capabilities
- Spat
- Spát Duai True del tore detection
- Low pattery reptics 1 12 11.6 /DC

ORDERING

VISTA-20P

Control Panel

VISTA-20PSIA

Control Panel for CP-01 SIA Certifications

For more information:

www.honeywell.com/security

Automation and Control Solutions

Honeywell Security Products Americas 2 Corporate Center Dr. Suite 100 P.O. Box 9040 Melville, NY 11747 1.800.467.5875 www.honeywell.com

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Honeywell



NetAXSTM

Web-based Access Control System



Horieywell's web-based access control offering now provides solutions for installations of any size. NetAXS" enables users to trianage their system anywhere there's an Internet connection—with no dedicated PC costs. The user-friendly design makes it simple to install and easy to operate and maintain. NetAXS gives you all the benefits of traditional access control such as helping you secure your doors, manage employee access, and manage sites remotely. It also lets you pull reports easily to meet compliance requirements. With a proviser-based interface, your learning curve and training time are significantly decreased. And you don't have to have a dedicated PC—simply log on and you don't have to have a dedicated PC—simply log on and you're ready to go, securely—from the office or anywhere. NETAXS has been developed with an installer-triendly design that easily adapts to existing IT infrastructure and methods. This trieans reduced installation and support cost. Its superior

scalability means you can purchase the exact amount of access control you need now—and add clocks later as business needs change. Plus. NetAXS integrates with Honeywest's fully-featured WIN-PAX software to enable more robust and sorbisticated NetAXS integrations. So as your system grows. NetAXS grows with you.

System Highlights:

- SIMPLE: Manage your access control anywhere with an internet connection
- SCALABLE: Purchase the exact simount of access control
 you need now and easily add doors later
- FLEXIBLE: Compatible with Wink-PAK, IXE, WINK-PAK SE, WINK-PAK, PE and WINK-PAK PRO CS (managed access) software

NETAXS OFFERINGS

ENCLOSURES and ADD-ON BOARDS

1	NX1P*	NetAXS-123: One door compact plastic) enclosure
Door	NX1MPS	NetAXS-123: One door standard metalicenclesure with priver supply and battery
	NX1P*	NetAXS-123: One door, compact (plastic) enclosure
2	NXD1*	-and- NetAXS-123 One door add-on board
Doors	NX1MPS	NetAXS-123: One door standard (metall) enclosure with power supply and battery — and —
	NXD1	NetAXS-123: One door add-on board
3	NX1MPS	NetAXS-123: One door, standard (metal) enclosure with power supply and battery
Doors	NXD2	NetAXS-123: Two door add-on board
4	NX4S1	NetAXS-4: 4 Door control panel (standard enclosure)
Doors	NX4L1	NetAXS-4: Pre-wired 4 door control panel (detuxe enclosure)

1450 mA © 12 VDC is the maximum current available to power strike, readerle) and injuit devices when using a 802,3at Power Over Ethernet (PoE) controllion, if additional current is required, an external 12 VDC power supply is headerly.

NetAXS**

Web-based Access Control System

SYSTEM BENEFITS



User Friendly

Easy to use landing page provides a user-frendly expenence so you can provide and user training in less than 30 minutes. Whether you're showing qualtimers how to set up the basic parameters such as time cones and access levels, or teaching them how to add or delete bands, everything you need is all located on one page. Simply log into your IP address and havigate the system like you would any other internet site.



Dynamic Screen Updates

With NetAXS, dynamic screens retresh data putcreatically without having to retresh the cage. This allows status updates from NetAXS to be guaried out to the web screens automatically, without user interaction.

Alarms, 679Ms, Yubuls, outputs, and status screens all automatically update as information is received.

Data transfer between the controller and web provisers has been obtitived to reclude bandwidth requirements, improving screen response times.



RS-485 or Ethernet Virtual Loop (EVL) with NetAXS-123

Ethernat Virtual Loop (EVL), a NetAXS-123 v5.0 feature, for webheated systems (EVL) is not subported by WIN-PAK), allowe up to 16.
IP network connected NetAXS-123 controllers to be managed as a
group. The group is called a "Virtual Loop" as its functionality is similar
to an PIS-488 floop and featured with version 5.0 and previous releases
of NetAXS firmwars, NetAXS-123 downstream penals operating EVL
and on the same subret as the gateway pines are automatically
discovered by the gateway panel, greatly reducing installation time and
making system expension easy. Systems using NetAXS-4 or a mix of
NetAXS-123 and NetAXS-4 must upe RS-485 to loop penals.



Door Access Modes and Options

NetAXS allows you to exsign cardholders different levels of access. Supervisor access allows an employee to cresent their card orice to the reader to give individual access if the subervisor presents their card times, they enable access for their feath during the specified time cone.

Egont access requires a supervisor escort for a non-supervisor caroholder. The supervisor must present his carolities, then the port-supervisor must present his carolities, then the port-supervisor must present his card within ten seconds.

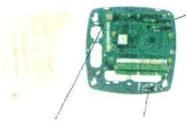
NetAXS™

Web-based Access Control System

ENCLOSURE OPTIONS

NetAXS-123

NetAXS-123
Compact Plastic Enclosure



PoE or 12 VDC Powered

Built-in Tamper Switch

Control Panel (NXC1)

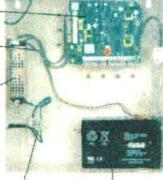
- Ethernet Port, Connect to web browser or WIN-PAK software
- RS485 or Ethernet: Connect panels downstream and/or connect to WIN-PAK software
- USB Port: Easy setup and diagnososs from your taptop
- . Color apded terminal labels
- · Flamovable terminal clocks

NetAXS-123 Standard Metal Enclosure



4 A, 12 VDC Power Supply

- Universal input (100-240 VAC)
- 3.5 A available to power accessories - over (9 to power each door



Terminal Block with Input Fuse

12V Battery Backup

NetAXS-123 Add-On Boards

NetAXS-123 One Door Add-on Board

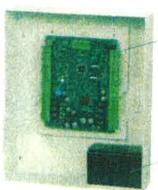


NetAXS-123 Two Door Add-on Board



NetAXS-4

NetAXS-4
Standard Metal Enclosure



Standard Metal Enclosure

12V Battery

Backup

NetAXS-4
Deluxe Metal Enclosure

Control Panel (NX4PCB)

- On-Board Ethernet Port
- · Built-In PCI Function
- Multiple Communication Paths
- Color Coded Terminal Blocks

Power Door Locks

Noise Suppression Filter

Convenient 110V Plug

Pre-Wired Panel Design

Fire-Rated Lock Power Release

Fused Relay Distribution Module

24V Battery Backup

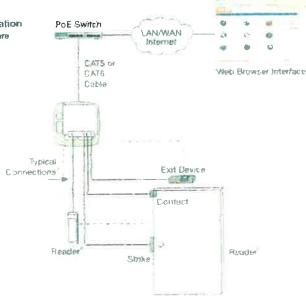
NetAXS™

Web-based Access Control System

SYSTEM OVERVIEW

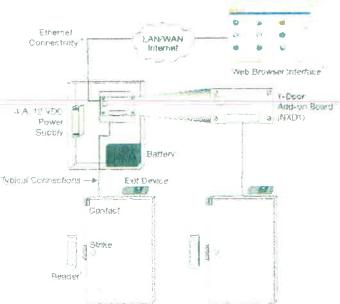
1 DOOR

Typical PoE Configuration Compact Plastic Enclosure



2 DOORS

1 Door Standard Metal Enclosure shown with 1-Door Add-on Board



- Also compatible with WIN PAK* KE, WIN-PAK SE, WIN-PAK PE and PIR-PAK PRO C9 (Manager) Access;
- 2. When using an IN and OUT reactor, 30 1/4 readers must have HOLD lines.
- 3 450 mM 12 VOC is maximum available to power strike, readerts) and input devices when using a 602.35d PoE connection, it unit is enternally powered with a 12 VDC subply, Prigner current is available.
- 4 USB combatibility for local configuration
- Fig. (-slock add-on troated consputition with compact plastic enclosure

- 5 Flequires external cower when used in compact plastic enclosure
- 7. 2-door add-on coard a not compatible with contract practic enclosure.
- When mining RistASS-123 and Tideor NistAXS (histAXS-4) controllers, the NietAXS-125 must be configured as the first panel or gateway

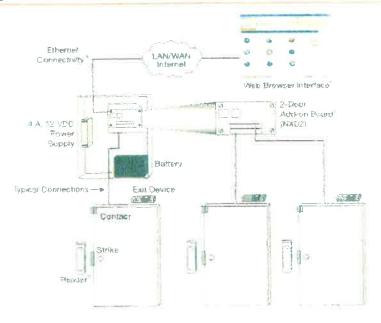
NetAXS™

Web-based Access Control System

SYSTEM OVERVIEW

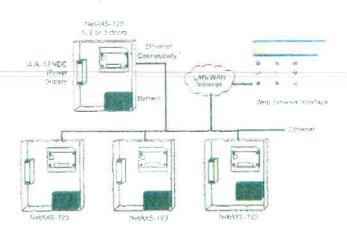
3 DOORS

1 Door Standard Metal Enclosure shown with 2-Door Add-on Board



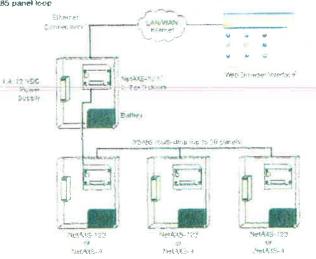
>3 DOORS

Scalable Architecture Ethernet Virtual Leop



>3 DOORS

Scalable Architecture RS-485 panel loop



- Also compatible with WIN-PAK* RE, WIN-PAK SE, WIN-PAK PE and WIN-PAK PPO OS (Marjaged) Access)
- 2. When rising air IN and QUT reader BOTH readers must have hot a lines
- 450 mil, 12 VDC is maximum analyble to power strike readons; and mout devices when varigle 802,3st PoE conflection. If unit is sidentially bewarded with a 12 VDC supply, higher current is invalidable.
- 4. USB compatibility for local configuration
- 5. 1-dear add-on board schipalible with compact stast's enciosure

- 5. Placeway externed disvisor when usen in compact Dische enclosure
- 7. 2-door stad-on search and comprisible with cuttinger blastic and asum
- 6 When mixing NetA/S-120 and 4-door NetA/S thetA/S-4, controllers the NetA/S-123 must be configured as the first riving or gatevray.
- NeIAXS-123 /5 0 or later supports Efficient with at Loop (EVL).
 NerAXS-4 SOES MOT SUPPORT EVL. Translate, bystemb using EVL must use NebAXS-123 panels.

SPECIFICATIONS AND FEATURES

		NetAXS	5-123	NetA.	XS-4
		NX1P	NX1MPS	NX4S1	NX4L1
	Door/Reader Capability	1 DOOR Controller ^{3,4}	1, 2 or 3 DOOR Controller (NOD1 or NOD2 add-un board is	Four READE	R controller
READERS,000RS		Expandable up to 93 DOORS (186	required for 2nd or 3rd door)	Expandable up to 124 doors (12	A newterst ner constroller loon ^{2,3}
82	Expandability	YES ⁵ — IN and OUT read		Exhaultane oh an 114 annu (176	4 regulardy per countries way
99	Dual Reader Control Capability (IN/OLIT Reader per Duor)	(readers must have H		*	
2	Reader Compatibility	Standard Wiegand p			protocal supported
	risignor companinty	ABA not si			scapported at 16 A 49 28 VDC
	Aumber of Outputs	Two SPDT relays (jumper sel per door rated at Two open abillector output reader LED (Aun) and reader buzz	3 A @ 28 VDC Is (DC) (16 ms, 12 VDC)	Eight open sollector units	uls (OC) (16 ma, 12 VDC); nel) and 4 reader frizzer
OUTPUTS	Outpu! Expandability	2-door solution has 3 total outputs 4 releys, 4 DC (requires NXO) add-on board)	2-deor solution has 8 total outputs: 4 relays 4 00 (requires NOO) and/or board 3-door solution has 12 total outputs: 6 relays, 6 00 (requires NOO) add-on board;		habbe is 72 inital outputs NX4097 relay output onards.
3	Relay Power Source	Selectable: +12 VDC 0 to 28 VDC externa	-	0 to 28 VDC sollernally supplied source	#24 VDC sall-powered
	Number of Inputs	Controller has a total of six configuration (Factory default settings are Stamper B. Power Fa	tatus, REX, Reader Tamper A, Reader	14 configurable four-stat	te sopervised input points
MAPUTS	Input Expandability	2-door solution has a total of 10 inputs (requires NXD1 add-on board)	2-door solution has a total of 10 inputs (requires NXD1 add-on board). 3-door solution has a total of 14 inputs (requires NXD2 add-on board)		e to 78 total inputs ⁵ using a 4IN relay input boards.
	Power-Fail and Panel Tamper	Yes	Yes	Yes	Yes
	"Off the Wall" Tamper Capability	Yes	**	**	
POWER INPUT	Unit Input Socket ur Hardwire AC Imput	Power over Ethernel (FDE) 302,3sf or extensal 12 VDC supply	9d VAC to 264 VAC. 50/60 Hz input provides 12 VOC. 4 A output 79s	120 VAC, 5 A 80 Hz input for well transformer provides 15.5 VAC QI 50 VA output	
O.W.		Power over Ethernet (PoE)	12 IDE-from included power-	18,5 YAC from included work	-24 YUS from included gowl
a.	Control Board Power Input	or #12 VDE	supply	mount transformer	supply
WER OUTPUT	Power for Readerts) and Input Devices Power for Locks/Strikes	450 mA, 12 VDC is available to power strike, reader(s) and imput devices when using PoE, if higher current is needed, power by external 12 VDC supply.	1,15 A per door for locks/strikes, readers and input devices (3,5 A @ 12 VOC total)	600 mA auxiliary current available to power the readers and other devices Locks/strikes/hust be externally powered	to power the readers and oth devices 1.1 A per door for locks/ strikes (4.4 A @ 24 VDC lotal
PON	Backup Battery System	External ⁶	12 VDC, 7 AH battery	12 VDC, 7 AH battery	Two 12 VDC, 7 Ah batteries
111	Materia)	High Impact Plastic	Metal	Metal	Metal
ENCLOSCINE	Physical Enclosure Size	7.75"H 17.75"W 12.75 D	13.9°F x 11.9°W x 4.7°D	19 H x 15 W x 4.5 D	20,9"H :: 17,7"W :: 4"U
NC.	Wiring Access Holes/Knockouts	7	19	8	30
	Removable Terminal Blocks with Color Coded Labels	Yes	Yes	Yes	Уеэ
MSTALLATION	Graphic Wiring Cards/Labels	Yes	Yes	Yes	Yes
TALL	Captive Mounting Hardware	Yes	Yes		
SW	Cable Shield Termination Points	**	Yes	Yes	yes
	Heal Time Clock	1	Global Geographic Thr Ogylight Saving T		
害	Clock Synchronization	}	Yes - via NEP net		
EATH	Procesour	Fraescale G	owafire 32-bit	1	Soldhie 32-Vit
100	System MTSF	250.00	d hours	951: A	00 hours
3	imean ame between failures)	230,00	32 to 120 F (0°C to		004010
STATEM NEGORALATION	Temperature flatings	OF and PG	- 97 to 1297 (9 C to 1 - 97 to 1397 (-59°C to 1397) Compliant		FCC compliant
	Carmications and Approvake		4 listing	UL-294 isting	UK-294 habog

SPECIFICATIONS AND FEATURES

		NetAXS	-123	NetAX	S-4		
	,		30				
		NX1P	NX1MPS	NX4S1	NX4L1		
120	Status LEDs	12 LEDs total [12V power, PoE, over o door state, run.	relay status)	19 LEDs total (Power, system downstream, read-	ers, relay status)		
COMMS	BisR-in Communication Options VD Expension Module Connectivity Controller Loop Capability	Ethernet, USE Use RS485 port to sonnest a maximi (4 cutput and Total at 16(EVL)/31(RS48	um of 5 downstream VO modeles d 2 input G ₁ panels in a loop ^{7,3}	Ethernel, RS4 Use 95485 port to connect a m impdules (if butp Total of 31 pane	aumium of 6 downstream 40 of and 2 input)		
	Software Compatibility ⁹		WIN-PAK XE/SE/PE/CS				
	NetAXS-123 as Gateway Panel	Supporte	d downstream panels include NetAX	S-123 and NetAXS-4 See notes 2 &	13		
HOST	NetAXS-4 as Gateway Panel	Currently supported downstream panels include NetAXS-4 only See notes 2 & 3.					
**	using PCI3 Converter	Supported downstream panels include NetAXS-123, NetAXS-4, N-1000 family and NS2					
1	using N-485-PCI-2 Converter	Not compatible with NetAXS-123 or NetAXS					
	Down Control Modes	Card only, card and PIN, card or PIN. PIN only, lockdown, disabled, superwoot, escort, limited use cord, expire on their first card rate, show day rule, time zone toggle, and-pesseden, duress					
E E	Interlocks for custom actions	Yes	Yes	195	YES		
CUNTRUL	Anti-Fassback Capubility		Local and global capability, half Challens anti-passback using In and	Out renders per door docal and gin	epat) ⁵		
Ť	Card and Event Buffer Capacity		10,000 card capacity, 25	000 event capacity			
- 1	Firmware Bevision	Un-boa	rd flash memory for field firmware r		1047		
392	Office Database backup available		Card and configurat				
A .	Export Capabilities	Card database, alarms and events (CSV format) ⁵					
ATA	Number of Card Formats	128 unique card formats can be supported ⁵					
0	Site Codes	3					
5	Maximum Card Format Size	75-bit (maximum card # = 64-bits) ^{5,7}					
CARDS and DATABASE	Time Zones	1.275					
2	Access Levels	150	128				
	Holidays		255 ⁵				
1-1-1-7		Yes	Yes	788	'fes		
REPUBLISHE and Amalysis	Integrated basic reports (moort/export of card database	Yes	YES	/es	455		
A A	Alaurus and events can be			1			
AN	exported and saved in	169	196	Yas	193		
2 2	offline starage	Internet Explorer and Mozilla Firefox					
	Supported Browsers			MOZMU PACION			
0.5	icon Driven Landing Page	Yes	Yes control marktor and view live events	maham has sand; lartano-discussor			
PVE BVE	Web Browser Control	Full	niganually control opurs and resident of functions				
3 SE	Web Server Support Secure Web Browsing		SSL and SHA-1 secure so				
EMBEDDED WEB SERVER	Dynamic Screen Refresh		Yes	2			
	Multiple user connections	Yes	Yes	Yes	Yes		
	Global Languages Supported	English, Italian, French, Outch, Spanish	Czech, Simplified Chinese and Arabi	English, Aalian, French, Dutch, Spa	men, Clark and Simplified Ch		
VERM	Printed Decumentation	English, Makan, French, Simplified Chin	Dutch Spanish Czech		glisii		
J. J.	Guick Start Sordes	Yes	703		- 24		
3	Full User and Installation Suides	On product CD	on product CD	Printed	Printed		
monicular acceptablist	Multi-Language Basic Installation Guidea	Yes	Yes		**		
70	User Translated Files		mport, modify, create and add langu	age thes. Can be selected for use vir	th unique login accounts		
SO.	Universal Power Supply Input	Power over Ethernet (PoE)	YES				
	and the second of the second s	802.3a!	93-284 VAC, 50/60 htt intuit	1			

- 1. A second door may be added with a NXD1 add-on board however. PdE cower restrictions apply (see funtaule fr
- 2 RS-485 panel loop: A total of 31 NeVAIS-120 and NeVAIS-4 canels may be combined in a controller loop for a maximum of 123 doors. Ethernet Virtual Loop (EVL), A total of 18 NeVAIS-120 panels may be combined in a controller loop for a maximum of up to 48 doors. NetAxS-4 panels CANNOT be used with an EVL.
- 1. When mixing NetAXS-120 and NetAXS-4 conmollers, NetAXS-120 must be the galeway Panel and the canel look must be RS-485.
- 1. 450 mA, 12 YOC is maximum current available to power strike, teader(s) and input devices when using a REZ 3rd FoE connection, if unit is externally powered, higher current is available,
- 5. When using WIN-PAX software, this feature may have limitations or not exist.

- 8. An external UPS is required to gower the PaE sower entirce for soldery backup.
- 7. Suitable for randing the 75-bit transparent card formult of PIN, TWIS and FRAS cards,
- 3. USB part for setup and troubleshooting.
- 9 WIN-PAN settware compatibility for NetAXS
- a) All NetAXS versions programmed as an N1000:
 - WIN-PAK SE, WIN-PAK PE, WIN-PAK PRO SS, WIN-PAK CS 4.1
 - WINLFAX 2005, WINLFAX PRO 2005, WINLFAX 2.0 Helsade 4
- 3) Notaks v3.4. WIN-PAX v3.0-3.2 (Builds 870.14 or greater) or WIN-PAX CS 4.2. (Build 1017 33 or greater)
- or NetAXS YALO or greater: WIN-PAX 93.3 (Build 670.21) or greater or WIN-PAX CS 4.2 (Build 1017, 33) or greater



Web-based Access Control System

ORDERING

Part Number	Description
NetAXS-123	
Door Solutions	
NX1P	NetAXS-123: One cloor, compact (plastic) enclosure - PoE or externally powered
NX1MPS	NetAIG-123. One door, standard (metal) enclosure with tamper switch and terminal block, includes 4 A, 12 VDC output/100-24 VAC input power supply and 12V, 7 AH cattery.
Add-on Boards (For 2	and 3 door solutions)
NXD1*	NetAAS-123: One goor add-on board (Adds 1 door to your existing 1-door system = 3 doors)
NXD2**	NetA/S-123: Two door add-on bloam! (Auds 2 doors to your existing 1-door system = 3 doors)
NetAXS-123 Compone	ents & Accessories
NXC1	NetA(S-123 - Control Board only
NetAXS-123 Access C	control Starter Kits with Readers
NX1P10	NetAXS-123: Includes NXTP One door compact (plastic) enclosure and 11-OPTOHONRI respectfullion croximity reader
NX1MPS10	NetAXS-123: Includes NX1MPS One ocur, standard (metal) enclosure with power supply and dattern and U) OP10HONP transmittibles provided to seader
NXD1OP10	NatAXS 128 Includes NXC1 One coor add-on and (1) OP16HONR remainfulion preximity reader Adds 1 door to your existing 1-dear system = 2 doors)
NXD2OP10	NerAXS-128: includes NXD2 Two door add-on and IZ; OP10HONF; min-multion proximity readers (Adds 2 doors to your existing 1-door system = 3 doors).
NetAXS-4	
NetAXS-4 Web Based	Access Control Panels
NX4S1	MetAXS-4; 4 Dear Control Panel (Standard Enclosure)
NX4L1	NetAXS-4: Pre-wired 4 Door Control Panel (Celuxe Englosure)
NX4PCB	NetAXS-4: NetAXS PCB Board with Manual brid. 4) Surge Suppressors
NetAXS-4 Access Cor	ntrol Starter Kits with Readers
WPNX4L30	NetAXS-4: IP Result; Access Starter Kit with WIN-PIAK INVAS I Delive Standard Englishers Option and (4) OP30HONR Mullion Proximity Readers
WPNX4\$30	NeuVS-4, IF Ready Access Starter Kit with WIN PAK, NX-IS1 Standard Enclosure Cintion and (4) CF00HONR Multion Provintily Readers
NX40P30S	NetAXS-4 NetAXS with Starkland Enclosure - Standalione Web based Access 4 Cook Kit with TAT CAROPHONA
NX40P40S	NetAVS-4 NetAVS with Standard Enclosure - Standalone Neichbased Audess 4 Door Kit with (4) CPROHOMF
NX4OP30L	NebUS-1 NetAXS with Delura Enclosury - Standalone Web-based Access 4 Dept Kit with 14 DP GHONR
NX4OP40L	PresAVS-4: NetAVS with Deluxe Enclosure - Standalone Web-based Access 4 Dept Kit with 4 OP *CHICMP
NetAXS Accessories	
NX4IN	NebNS Input Board - 32 inputs per board. Connect 2 per panel. Total 64 inputs
NX4OUT	NepAXS Output Board - 16 relays per upard. Connect 4 per panel. Total 84 relays.
External power adapter required for NX4IN and NX4OUT	input: 100-245VAC, 1.3A, 50-86Hz Output: 24-VOC, 2.3A, 55-Watte
NXIOENÇKT	Doubte bestril anciosure for NX4IN, NX4IGUT

For more information:

www.noneywell.com/security

Automation and Control Solutions

Honeywell Security Products Americas 2700 Blankenbaker Pkwy, Suite 150 Louisville, WY 40299 1.800.323.4576 www.honeywell.com

Honeywell

UNKS 13.00-0 Sestember 2014 #2014 https://well.international.fnc.

Requires external cower when used in compact plastic enclosure
 Z-deer add-on Seard is list compatible with compact claude anciosure

DanF

From:

Michael Bove <mrbove2003@yahoo.com>

Sent:

Friday, February 13, 2015 6:03 PM

To: Subject: Dan Flannigan Fw: equipment list

From: Sjoerd Broeks < sbrueks@med-canna_com>; To: Michael Bove < mcbove 2003@yahuo com>;

Subject: equipment list

Sent: Sat, Feb 14, 2015 1:03:07 AM

http://www.canfilters.com/nins/fun & 12/html room

Thats the link to the exhaust fan, 1 per bloom

http://www.ts.am.com/pcf/to-chain_ctl.pai using the CD1200 1 per bloom room

Thats is the inline Uvonair ozone system, we are

Thats the charcoal filter x2 for each bloom ou phresonie prom about paréso-titet-disetum asti room, each filter is 950 CFM. The part number is 701025

I will find the policies and procedures manual and send it to you asap

Sioerd Broeks 800.556.9892 x701



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Aluminum tops & bases for reduced weight. Half the weight of competitive filters.

46mm (1.8") RC-48 activated, certified virgin carbon bed

Machine packed carbon means more carbon & less movement

Cone shaped internal base for optimum air flow Sealed, bagged boxed ${\bf S}$ labeled directly after being manufactured for optimum life span handling ${\bf S}$ presentation.

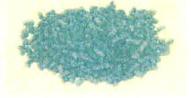
51% open air custom mesh

Unique 'Anti Air Bypass' System

Large selection of sizes available to fit any application

NOTE: A high-quality custom rt pre-filter is included with every Phresh® Filter





White Area Tille"

Phresh® Fifter RC 48 Australian Carbon

Competitive Filter Carbon

UVONAIR CD

Eliminateur d'odeurs

CD - 800 Modeles

CD - 1000-1 CD - 1000-2

CD - 1200

Système d'ozone en conduit

Considérations oour l'installation:
Vauilleze fire toutes les divertires aivant de procéder à l'installation.
Vauilleze fire toutes les divertires aivant de procéder à l'installation.

I. Les généraleurs d'ozone Uvonair CD sont conque pour traiter les odeurs dans les conduits d'ozone Uvonair CD sont conqui de 8 po (20 cm). Les deux CD-1000 doit être installé dans un conduit de 8 po (20 cm). Les deux CD-1000 doit être installé dans un conduit de 12 po (30 cm). Les adaptateurs de conduits conduit de 10 po (25 cm). Le modèle CD-1200 doit être installe dans un conduit de 12 po (30 cm). Les adaptateurs de conduits peutre l'installation dans des conduits de diménsions différentes. L'installation d'une unité plus petite dans un peuvent être utitisés pour l'installation dans des conduits de diménsions différentes. conduit plus grand paut réduire la circulation d'air.

Dans la plupart des cas, le modèle CD-800 et modèle CD-1-1000 traitera toules les odeurs évacuées hors des pieces dont la superficie ne dépasse pas 20 000 pl² (600 m²). Le modèle CD-2-1000 traitera toules les odeurs évacuées hors des pieces dont la superficie ne dépasse pas 40 000 pl² (1200 m²). Le modèle CD-1200, dont le débit est considérablement plus élevé, traitera loutes les odeurs evacuées hors des pièces dont la superficie ne dépasse pas 100 000 pir (3000 m²). Pour les odeurs

Dans la masure du possible, placez le généraleur Uvonair à un minimum de 15 pi (5 m) de l'extrémité du conduit particulierement fortes. Il est preferable d'utiliser le modèle ayant le débit d'air le plus élevé. 3

d'échappement ain d'assurer un temps de reaction suffisant les odeurs.

Lorsque vous utilisez un ventilteur placez toujours l'ozoneaur du côté sortie ventilateur.

Exinances en mattere d'électricié

instaliez conformément aux normes de sécurité sur rélectivaité de votre localité. Fournissez une alimentation électrique de 110 volts 80 Hz au généraleur d'ozone Uvonáir CD synchronisé avec le ventilateur. Comme mesure de sécurité, l'unité Uvonair CD doit fonctionner en tandem avec le ventilateur. L'unité Uvonair CD est munte d'un cordon de 6 pi (2 m) avec une prise à trois broches mise à la terre et d'un tusible de protection contre les surtensions

- Fixez les deux supports fournis au haut de l'unité à l'aide des quatre vis delle en place.
 - 2 Fermez le ventilateur et assurez-vous que l'unite Uvonair n'est pas branchée.
- Il sera necessaire d'entever une section de conduit d'environ 11,5 po (29 cm) à l'endroit ou l'unité doit être installée. Consultez un technicien en ventilation pour connaître la longuer precise du conduit puisque celle ci peut varier selon l'installation du conduit existant et la possibilité de l'adapter aux lins de l'insertion du généraleur Uvoriar CD. Soulenez le poids de l'unité en suspendent des cèbles fixés sur les supports a un crochet ou à un clou enfonce dens les Pour l'installation dans un conduit de métal : a)

poutrelles supérieures. Procédez au réglage final après l'installation finale Q

Inserez funilè dans les conduits existants jusqu'aux arêtes de montage et rendez l'installation hermètique en utilisant du ruban adhésif en tolle ou des crampons de serrage. ΰ

- Coupez 2 marceaux de 17 po (43 cm) du conduit llexible de 8 po (20 cm) de diamètre. Fixez-les de chaque côté du générateur Uvvnair et immobilisez le réseau de gaines en le rendant hermétique à l'aide de Pour l'installation à l'aide d'un conduit flexible à Enlevez une section du conduit de 55 poi (91 cm) b). Coupez 2 morceaux de 17 poi (43 cm) du conduit c). Fixez-les de chaque côté du générateur Livanair e
 - ruban adhésif en tolle ou de crampons de serrage

Fonctionnement

Les modèles Uvonair CD comportent deux réglages de débit, «High» (éleve) et «Low» (bas) alin que vous puissiez régler le niveau des odeurs. Le modèle CD-1200 produira des niveaux d'ozone très éleves lorsqu'il est réglé a «High». Déterminez le niveau d'ozone requis en surveillant le niveau d'odeur de l'air évacué. Les niveaux péuvent varier eu cours du cycle croissant.

Ces unités n'ont pas besoin d'entretien.

Gavante et ablinque de réparation: Les unites Livoneir CD sont garanties contre tout défaut de matériau et de fabrication pour une dufée d'un an à partir de la date d'achat. Elles sont garanties seulement pour l'usage décrit. Conservez voire reçu d'achei aux fins de réclamation au titre de la

Appelez le fabricant au 1 800 765-2098 pour obtenir le numéro d'autorisation de retour de marchandises ainsi que les

Les envois doivent être prépayés et comprende le numéro d'autorisation de retour des merchandises

Les produits garantis seront réparès sans frais et retournés port payé dans les 24 heures suivant la réception

ablisse en garde : Ce modete est recommande aux fins d'utilisation commerciale. Lorsque les concentrations sont superieures a 0.05 ppm, l'ozone peut nuire a la sante. L'ozone comporte une demi-vie de - 30 minutes, il se dissipera donc et ne s'accumulera pas.

uvO_snair CD

Eliminador de olores Eliminateur d'odeurs Odor Eliminator

Modelos/ Modelos/ Modèles

CD-1000-1 CD-1000-2 CD-1200 CD-800

Manufactured in Canada by Fabricado en Canadá por: Fabriqué au Canada par

Ozone Environmental Technologies

Woodbridge, Ontario, Canada L4L 8H1 361 Rowntree Dairy Road, Unit 4 Tel: 1-800-765-2098

Website: www.uvonair.com

Ozone by Corona Discharge Odor Eliminator UVONAIR CD

CD - 1000-2 CD - 1000-1 CD - 800 Models

CD - 1200

CD - 1000-1 CD - 1000-2 Modelos: CD - 800

CD = 1200

In-Duct Ozone System

Installation considerations: Please read all Instructions print to installation.

- Uvonair CD ozone generators are engineered to treat odors in ventilation ducts as air is tering exhausted. Model CD 800 is for installation into 8' (26 cm) ducts. Both model CD-1000s are for 10' (25 cm) ducts. Model CD-1200 is for 12'' (30 cm) ducts. Duct adapters may be used for installation into other size ducts. Installing the smaller unit into larger ducts may
 - Under most circumstances Model CD-800 and CD-1000-1 will treat all odors being exhausted from rooms up to 20,000 cu. it. (1200 m²). Model CD-1000-2 will treat all odors being exhausted from rooms up to 40,000 cu. it. (1200 m²). Model CD-1200, with its significantly higher output, will treat all odors being exhausted from rooms up to 100,000 cu. it. (3000 m²). For extreme odors, it is better to use the higher output unit. restrict airflow.
 - N m
- Position the Uyonar generator if possible a minimum of 15 it. (5 m) from the end of the exhaust duct to ensure adequate reaction time with odors. We recommend a minimum of 15 it. (5m) of ductwork 4

reaction thre with bodis. We recommend a fining that the control of the fam.

Factorical requirements:

Exactorical requirements:

Install in accordance to local electrical standards. Provide 110V 60Hz electrical power to the Uvonair CD ozone generator synchronized with the ventilation fan. As a safety feature; Uvonair CD unit must be working in landem with the ventilation such as a safety feature; Uvonair CD unit must be working in landem with the ventilation such as a safety feature; Uvonair CD unit must be working in landem with the ventilation such as the control of
Attach the two supplied support brackets to the top of the unit using the four screws already set in place. Turn off the ventiletion fan and ensure the Uvonair unit is not plugged in.

- Installation:
 1. Attach the 2. Turn off the 3. For installation
 - For installation into metal duct:
- Consult a ventilation professional for the specific length as this may vary depending on the existing duct setup and its ability to adjust for the insertion of the Uvoriair CD generator. It will be necessary to remove an approximate 11.5" (29 cm) section of duct where the unit is to be installed
 - Support the weight of the unit with duckhanging wire from the support brecket to a hook or nail on the joists (a
 - Insert the unit into the existing ducts up to mounting ridges and make it airtight using duct tape or clamps. above. Make final adjustment after final installation. (C)
 - For installation using flex duct as an option:
 - Remove a 36"(91cm) section of duct.
- Cut two 17"(43 cm) pieces of flex 8" (20cm) diameter duct.
 Attach to each side of the Uvonair generator and then secure to the ductwork making it airtight with duct tape or င်ာ ထား

Operations:
Both Uvonair CD models have High and Low output settings so you can adjust to the odor lave. Model CD-1200 will produce yery high levels of ozone at its high setting. Determine the ozone level required by monitoring the exhaust air for odors. Levels may vary throughout the growing cycle

No maintenance is required of these units.

Wavranny & Repair Politey. Uvanair CD units are warranted for one year from the time of purchase against any defects in material and manufacturing. It is

- Call the manufacturer at 1 800 765 2098 for the RGA# (Returned Goods Authorization Number) and shipping warranted only for the application described. Keep your purchase receipt for warranty claim
- Shipments must be prepaid and accompanied with the RGA#
- Products qualifying for warranty will be repaired at no charge and shipped back prepaid within 24 hours of receipt

Warming: Recommended for commercial use Ozone, in concentrations above 05 PPM, may be injurious to health. Ozone has a half-life of ~ 30 minutes, therefore it will dissipate and not accumulate.

Ozono por efecto corona

ozono en conductos Sisterna de

Factores a tener en cuenta en la Instalación ; Sirvase leer todas las instrucciones antes de la Instalación.

- Los generadores de ozono Uvonair CD son diseñados para tratar los olores en los conductos de vanillación a medida que se expulsa el aire. El modelo CD-800 se usida en conductos de 8° (20 cm). Ambos modelos CD-1000 por instala en conductos de 10° (25 cm). El modelo CD-1200 es para conductos de 10° (30 cm). Se puede instalar en conductos de otros tamaños con la ayuda de adaptadores. La instalación de una unidad más pequeña en conductos más grandes puede
 - En la mayoria de los casos, los modelos CD-800 y CD-1000-1 puede tratar todos los olores que se expulsan de las hantaciones hasta de 20,000 pies cúbicos (630 m²). El modelo CD-1000-2 puede tratar todos los olores que se expulsan de las habitaciones hasta de 40,000 pies cúbicos (1,200 m²). El modelo CD-1200, con su capacidad consideráblemente mayor, puede tratar todos los olores de habitaciones hasta de 100,000 pies cúbicos (3,000 m²). Para alores sumamente restringir la circulación de aire.
 - fuerles es mejor usar la unidad de mayor capacidad.
 Se posible, unique el generador Uvoriar a una distanca minima de 15 ples (5 m) del extremo del conducto de escape pera garantizar un itempo de reacción adecuado a los olores.
 Si utiliza un ventilador, ubique siempre el generador del lado de la salida del ventilador.

Requisitos eléctricos:
Le instalación debe realizarse segun les normas electricas locales. El generador de ozono Uwonar CD debe conecterse,
Le instalación debe realizarse segun les normas electrica de 140V 80Hz. Como característica de seguridad, la connente a la unidad
suncronizado con el ventilador, a corriente electrica de 140V 80Hz. Como característica de seguridad, la connente a la unidad
Uvonar CD debe apagaise cuendo se apaga el ventilador. El generador Uvonair CD viene equipado con un cordón de 8 ples
(2 m), con un enchule de 3 patas conecitado a lierra y un fusible de protección contra la sobretensión.

instalación. 1 Coloque las dos escuadras de soporte que vienen con la unidad en la parte superior de ésta, utilizando los cuatro fornillos ya instalados en su lugar.

- Apague el ventitador y cerciórese de que la unidad Uvonair no este conectada. Para la instalación en un conducto metallica:
- a) Es necesano recorter un tramo de aproximaciamente 11.5 ° (29 cm) del conducto en el lugar donde se va a instalar le
 inidad. Consulte con un técnico en ventilación sobre la fongitud especif (ca, pues ésta puede variar, dependiendo de la
 inistalación del conducto existente y de la posibilidad de alustado para poder introducide el generador Uvoriar CD.
 b) Soporte el peso de la unidad con atambre pera coligar conductos, desde un gancho o ctavo en las viges de la parte
 superior el soporte. Una vez instalada, regia los ajustes necesarios.
 c) Introducza la unidad en los conductos existentes trasta los rebordes de montaje y selle herméticamente con cina
- adhesiva para conductos o con abrazaderas.
- Installación opcional utilizando conductos flexibles:

 Recorde un tramo de 36° (91 cm) del conducto flexible de 8° (20 cm) de distructo.

 Corde dos piezas de 17° (43 cm) de conducto flexible de 8° (20 cm) de distructo.

 Corde dos piezas de 17° (43 cm) de conducto flexible de 8° (20 cm) de distructo.

Functonamiento: Maduationes de salida alta y baja de manera que puede graduartas según el nivel de los olores. Modelos Uvonair CD tienen graduacion más eleveda, nivelas muy altos de ozono. Para determinar el nivel de ozono modelo CD-1200 produce, en la gráduación más eleveda, nivelas muy altos de ozono. Para determinar el nivel de osona necesario controle el nivel de olores del aira de escape. Este puede variar durante el ciclo creciente. Este puede variar durante el ciclo creciente.

Ш

Garantis v politica sobre reparaciones:

La unidades Uvonar CD tienen una garantia de un año, desde la fecha de compra, contra defectos de material y de fabricación. La garantia sólo es válida pero el uso descrito. Conserve el comprobante de compra para efectos de las reclamaciones de

- Llame al fabricante al 1 800 765 2098 para solicitar el número RGA (número de autorización para la devolución de
- mercancias) e instrucciones para el envio. Los envios deben ser con flete pagado y deben incluir el número RGA. Los aparatos cuya reparación este cubienta por la garantla, serán reparados sin cargo y devueltos con el flete pagado dentro de las 24 horas de haberlos recibido.

ADVERTENCIA.

Se reconferde para usos comerciales. El ozono, en concentraciones superiores a las .05 PPM, pudiera ser dafino para la salud. El ozono ilene una vida media de ~30 minutes, en consecuencia se disipara y nuncia se flega a acumular.

Nunca mire la luz directamente. Una exposición prolongada a la luz U.V. puede causar daños a los ojos.



Max-Fanim Series

The Max Fan Saves Energy! -Extremely energy Efficient! The Max-Fan Saves Space!

-Small Airtight

Man Fan Hame

Housing! -Lower Lifetime Cost!

-Easy Installation!

-Cost of Energy is 70-90% of life time cost!

-Light Weight & Compact

3" NEX

Save on shipping costs!

72" 10114

20" Vigas

The Max-Fan Is Quiet!

-Very High Aerodynamic Efficiency!

-Optimized Mixed Flow is quieter than other lans of the same size!

FAN MODEL	CFIY	RPM	MAX WATTS	MAX AMPS.	1 71 14 16 16 16 16 16 16 16 16 16 16 16 16 16	DUCT DIA.	LENGTH	BLADE DESIGN	HOUSING	DUTL
3"	667	3250	179	1.5		3,1	3 7/8**	Mized Flow	Plastic	3 ⁿ
12"	1708	3374	489	4.1		12"	12 1/8"	Mined Flow	Galvanizet	12"







	FAN	0" 667	.125" 650	.25"	.375"				1.25°	1.5'
OFDA										
CFM	12"	1708	1630	1655	1630	1595	1530	1460	1330	130

To Speed control the 12" Max Fan the Can Trol is required to avoid growling and overheati All lans should not be reduced more than 50% as this results in the lans overheating.



Performance certified is for installation type D - Ducted inlet. Ducted outlet, Performance rotings do not include the effects of appartenances (accessories)

The sound ratings shown are for loudness values in spherical sones at 5/3: (1.5 m) in a spherical free field calculated per Annex B of AMCA 311. Values shown are for installation Type D : Due inlet spherical sone levels. Railings do not include the effect of duct end correction. All sone valu shown are calculated at 0.1" Static Pressure in inches W.G.).

* Speed (RPM) shown is nominal. Performance is based on actual speed of test.





SPECIAL USE PERMIT APPLICATION

For

5SEAT INVESTMENTS, LLC MME CULTIVATION FACILITY

Prepared By:



3476 Executive Point Way, Suite 12 Carson City, Nevada 89706

> Prepared for: 5Seat Investments, ILC 275 Hill Street, Suite 290 Reno, NV 89501

> > **FEBRUARY 2015**



February 12, 2015

Susan Dorr-Pansky, AICP Planning Manager 108 East Proctor Street Carson City, NV 89701

Re:

5SEAT Investments, LLC Special Use Permit Requests for two (2) MME Facilities

Dear Susan,

On Behalf of 5SEAT Investments, Manhard Consulting appreciates your consideration of the enclosed application requests. The proposed project site consists of one (1) parcel (APN: 008-611-39) that is +/- 5.13 acres and is located at 8001 Highway 50 East in Carson City, NV.

The enclosed applications are requesting two (2) separate Special Use Permits to allow for two (2) Medical Marijuana Establishments as required by Carson City Municipal 18.04.150.

The First Special Use Permit is being requested to establish a Medical Marijuana Cultivation Facility utilizing the existing 3,108 square foot building on APN: 008-611-39.

A second Special Use Permit is being request to establish a Medical Marijuana Production Facility utilizing a new 1,552 square foot addition to the existing building located on APN: 008-611-39.

If you have any questions, or require any additional information, please feel free to contact me directly.

Sincerely, Manhard Consulting

Christopher Baker, LEED AP

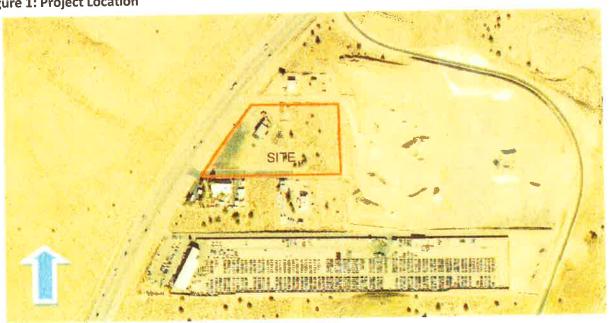
Planning Manager

TABLE OF CONTENTS	
Project Location	2
Existing Site Conditions	2
Existing Master Plan & Zoning Designations	
Surrounding Proporties	4
Application Paguest	
Project Description	4
Cito Dlan	
Ruilding	
Proliminary Flevations & Floor Plans	
Landscano	10
Hydrology	11
Water Supply	
Course Impact	····· ++
Dorking	12
Traffic	12
Carson City Dayslanment Standards Division 120 Requirements	12
Special Use Permit General Review Questions	15
LIST OF FIGURES	
Figure 1: Project Location	3
Figure 2: Existing Master Plan Designation	
Figure 4: Site Plan	
Figure 4: Site Plan	
Figure 5: Building Elevations Figure 6: Building Floor Plans	9
Figure 6: Building Floor Plans Figure 7: Concept Landscape Plan	10
Figure 7: Concept Landscape Plan	
LIST OF TABLES	
Table 1: Surrounding Property Designations	4
Table 2: Project Statistics	
Table 3: Parking Calculations	
APPEDICES	
Applications	Appendix A
Cito Plan	Appendix t
Architectural Plans	Appendix C
Supporting Information	Appendix [

PROJECT LOCATION

The proposed project site consists of one (1) parcel (APN: 008-611-39) that is +/- 5.13 acres and is located at 8001 Highway 50 East in Carson City, NV. The proposed site is in accordance with Carson City Municipal Code 108.04.150 which states, "a Medical Marijuana Cultivation, Production or Laboratory may be located in those areas zoned General Industrial (GI), east of the I-580 freeway and north of the boundary of Sections 13 through 18 of Township 15N, Range 20E.





EXISTING SITE CONDITIONS

The proposed project site has a current master plan designation of Mixed Use Commercial (MUC) and a current zoning designation of General Industrial (GI). The property is currently occupied by Carson Used Tire & Wheel and contains an existing building that is 3,108 square feet. The proposed facilities will replace the existing land use. The access for the parcel is directly from Highway 50 East. The existing building and business are generally only using the front (western) half of the parcel, with the eastern portion of the parcel being vacant with native vegetation. This parcel is designated by FEMA as being in a Zone X area which is an area determined to be outside the 0.2% annual chance floodplain.

EXISTING MASTER PLAN & ZONING DESIGNATIONS



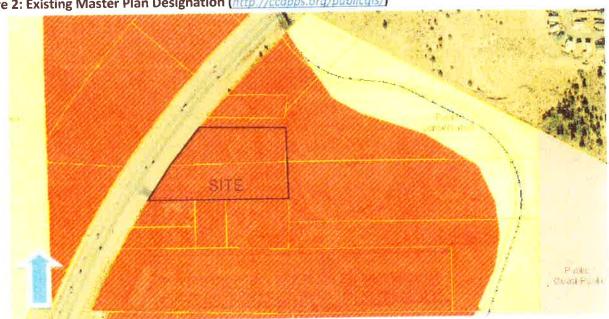


Figure 3: Existing Zoning Designation



SURROUNDING PROPERTIES

Table 1: Surrounding Property Designations

Location	Master Plan Designation	Zoning Designation	Current Land Use
North	Mixed Use Commercial	General Industrial (GI)	Commercial Business
South	Mixed Use Commercial	General Industrial (GI)	Commercial Business, Vacant
East	Mixed Use Commercial	General Industrial (GI)	Commercial Business
West	Mixed Use Commercial	General Commercial (GC)	Highway 50, Vacant

APPLICATION REQUEST

Two (2) separate Special Use Permit applications are being requested to allow for two (2) Medical Marijuana Establishments as required by Carson City Municipal 18.04.150.

The First Special Use Permit is being requested to establish a Medical Marijuana Cultivation Facility utilizing the existing 3,108 square foot building on APN: 008-611-39.

A second Special Use Permit is being request to establish a Medical Marijuana Production Facility utilizing a new 1,552 square foot addition to the existing building located on APN: 008-611-39.

PROJECT DESCRIPTION

The proposed project includes a total of two (2) Medical Marijuana Establishments (MME's), included in two (2) separate phases, and proposed to be established under two (2) separate Special Use Permits.

Phase 1 includes exterior and interior renovations of an existing building to accommodate a Medical Marijuana Cultivation Facility. As detailed in the attached floor plans, the cultivation facility will include 3,108 square feet comprised of three (3) bloom chambers, a vegetation room, drying room, a trimming and packaging area, one (1) unisex bathroom, a vault and associated staff and office space. Also included in the interior floor plan is an air lock room for ingress and egress.

The cultivation facility will grow Medical Marijuana for distribution, no sales will occur on site. It is anticipated that the cultivation process will include both hydroponic and soil base systems. More detailed information as to the technical processes of the cultivation facility can be provided as a supplement to this application request if necessary.

Also included as part of Phase 1 are site improvements including new paved access of Highway 50, parking improvements, landscaping, fencing, security improvements including lighting (In accordance State of Nevada and Carson City Codes) and septic and water upgrades as necessary to accommodate the proposed facility.

Phase 2, which is proposed under a separate special use permit request, includes the construction of a new 1,552 square feet addition to the existing 3,108 square foot building. This addition will house a Medical Marijuana Production Facility comprised of a processing area, including a commercial kitchen, freezer, cooler, sink, stove, a water treatment room, storage and clean up room, one (1) unisex bathroom, a vault and loading and receiving area.

The production facility will focus on extraction of cannabinoids from the marijuana flower and convert the cannabinoids into a concentrated form to be used in other forms including edibles. More detailed information on the production and extraction methodology is provided as part of the Appendix.

All business activities completed at the proposed facility including both the cultivation and production processes will be conducted solely within the building.

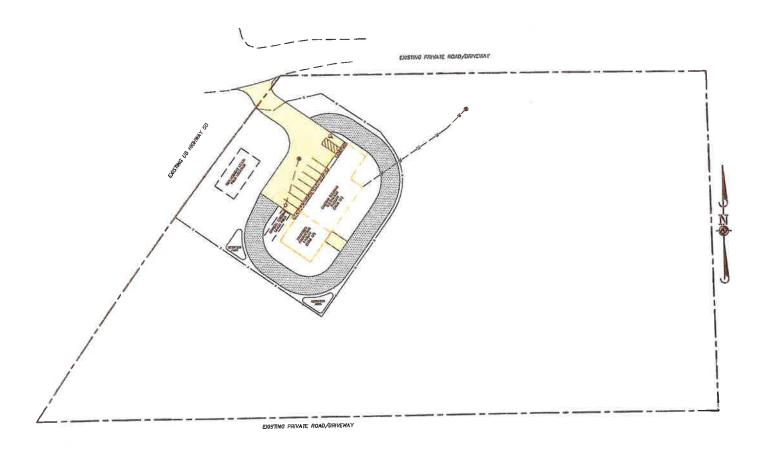
Table 2: Project Statistics

+/- 5.13 Acres
+/- 4,660 SF
+/- 2,600 SF
+/- 6,290 SF

SITE PLAN

A reduced Site Plan is shown in Figure 4 for reference. A full size version of the site plan is located in Appendix B.

Figure 4: Site Plan



BUILDING

Phase 1: MME Cultivation Facility:

This phase includes commercial tenant improvements utilizing the existing 3,108 square foot (sf) commercial building located at 8001 Highway 50 East to create and operate a Medical Marijuana (MME) Cultivation Facility. These improvements include renovations to both interior and exterior of the existing building per the attached plans, details and specifications supplied by Miles Architectural.

The new MME cultivation facility shall be constructed, licensed and operated in compliance with NRS 453A and NAC 453A. All tenant improvements and facility operations shall be in accordance with current Carson City and Nevada State Codes and Statues (See Appendix C).

Phase 2: MME Production Facility:

This phase includes construction of a new 1,552 square foot (sf) addition to be attached to the existing 3,108 sf commercial building located 8001 Highway 50 East for the purposes of creating and operating a Medical Marijuana (MME) Production Facility. The applicant proposes to construct the new commercial addition and perform site improvements as per attached plans, details and specifications supplied by Miles Architectural Group.

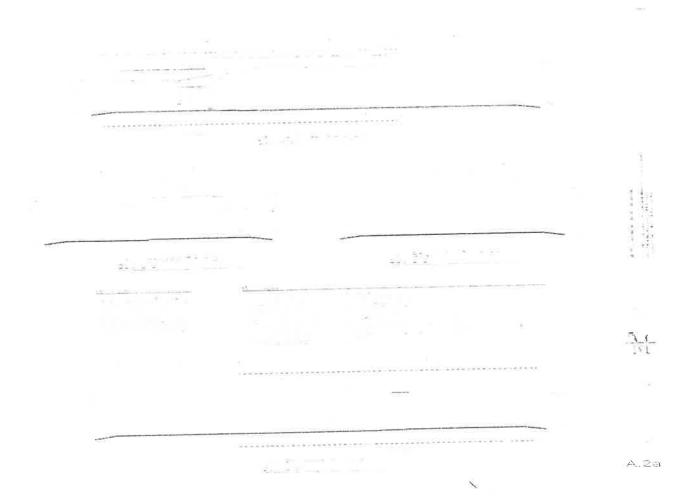
Within the new MME production facility, the applicant proposes to install a commercial kitchen preparation area that shall not produce industrial or non-domestic waste discharges, specifically pursuant the State of Nevada, Division of Environmental Protection (OSDS) General Permit provisions I.A.3, I.A.6 and I.A.7.

The new MME production facility shall be constructed, licensed and operated in compliance with NRS 453A and NAC 453A. All tenant improvements and facility operations shall be in accordance with current Carson City and Nevada State Codes and Statues (See Appendix C).

PRELIMINARY ELEVATIONS AND FLOOR PLANS

The building elevations and floor plans are preliminary in nature and are intended to demonstrate building scale and general building appearance.

Figure 5: Elevations



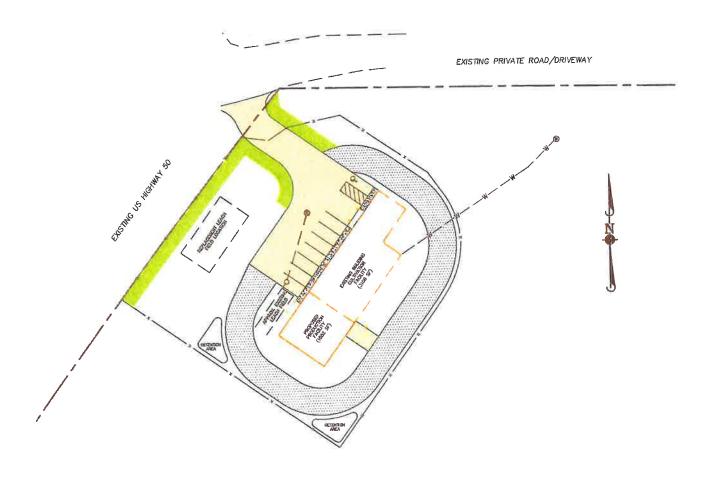
A, La

Figure 6: Floor Plan

9

LANDSCAPE

Figure 7: Conceptual Landscape Plan



HYDROLOGY

The parcel as it sits today has partially been developed and is currently being used as a commercial business. The west portion of the site is in a disturbed state with the drainage trending in a southerly direction. The existing topography on the western portion of the site is fairly flat with slopes between 3% and 4%. There are no defined drainage conveyance facilities, with all of the disturbed areas sheet flowing to the south where it is conveyed through the adjacent properties. The eastern portion of the site is undisturbed with native vegetation and steeper slopes that range between 7% and 12%. This drainage generally sheets flows to the southwest where it is conveyed through the adjacent properties to the south. This parcel is designated by FEMA as being in a Zone X area which is an area determined to be outside the 0.2% annual chance floodplain.

In the proposed condition, flows from the improved areas will be routed to a retention / detention facility on the south side of the proposed development area. With the development of the property, the peak discharge from the site will be increased minimally due to the addition of paved areas, sidewalk, and roof area from the proposed building expansion. The retention / detention facility will be sized to reduce the peak flow from the increase in impervious area to match the flows prior to the new improvements.

WATER SUPPLY

Water supply for the subject site is provided by a well that was drilled on the property in 1974. The current proposed development plans to use this well to provide water service for use in the modified and expanded building. The applicant and owner will need to work with the State of Nevada and Carson City to get this well properly permitted for use. After the well was drilled in 1974, no Proof of Completion was submitted to the State Engineer's office and the permit was cancelled in 1977 for failure to comply with the permit conditions. The current property owner was not aware of this situation until recently when he called the State Engineer's office to get information on his well. To get the well properly permitted, the property owner will need to re-submit an application for the well, with the appropriate maps, and provide proof of completion. Verification of a functioning meter on the well will need to be provided as well as water rights that match the required project need. The proper amount of water rights will be determined based on the final fixture unit count in the building, the required amount of water needed for the landscape improvements, and daily demand for the cultivation operation. At this time, municipal water service is not available in the vicinity of the proposed project.

SEWER IMPACT

The subject parcel currently uses an onsite sewer disposal system (OSDS) for disposal of sewer waste. At this time, municipal sewer improvements are not available in the vicinity of the proposed project. The existing OSDS system takes sewer flow from both the existing commercial business and the auxiliary

structure on the north side of the site. The OSDS system consists of a 1,000 gallon septic tank that sits to the west of the existing structure. The septic tank discharges to the south to the existing distribution box and leach field. An emergency, or replacement, leach field location has been planned for on the west side of the project site, between the landscape area and parking lot. It is anticipated that the sewer flows for the proposed project will be similar to the existing facility. Please reference the site plan in Appendix B for the location of the sewer improvements.

PARKING

Table 3: Parking Calculations

MME Cultivation 1 space per 1,000 sf 3,108 sf 4 4	d Use Co	CMC Requirement	Facility Count	Required Stalls	Provided Stall
	ultivation 1	space per 1,000 sf	3,108 sf	4	4
MME Production 1 space per 500 sf 1,552 sf 4		space per 500 sf	1,552 sf	4	4

TRAFFIC

Traffic generation associated with the proposed facility will be minimal. Traffic related to the project will be limited to employees and associated facility deliveries. It is anticipated that with full build-out, of both the cultivation and production facilities, no more than 7 employees will be on site at any given time.

CARSON CITY DEVELOPMENT STANDARDS, DIVISION 120 REQUIREMENTS

1.20 Medical Marijuana Establishments.

The following standards are intended to establish minimum standards and Special Use Permit review criteria for Medical Marijuana Establishments, including Cultivation Facilities, Dispensaries, Production Facilities, and Testing Laboratories, as defined in Title 18 and NRS, in addition to other standards for commercial and industrial development.

- The following standards apply to all Medical Marijuana Establishments.
 - a. All Medical Marijuana Establishments (MMEs) require approval of a Special Use Permit. Special Use Permits for MMEs are only valid at a given location for the operator who obtains the Nevada State certificate for that facility. The Special

Use Permit approval shall expire and become null and void if the MME operator loses or otherwise forfeits his or her State certificate to operate that facility. Special Use Permits are non-transferable between operators and locations within Carson City.

The attached applications are requesting two (2) separate Special Use Permits to legally establish both a Medical Marijuana Cultivation Facility and a Medical Marijuana Production Facility. It is understood that these facilities and their operators are required to maintain a state certificate and that if approved special use permits are non-transferable.

 No consumption of Medical Marijuana products shall occur on the premises of any MME.

No consumption of medical marijuana products will occur on the premises.

C. All business activities related to MMEs, including cultivation, shall be conducted indoors, within a permanent building. The use of office trailers or other temporary structures is prohibited. All MMEs shall have an appearance, both as to the interior and exterior, which is professional, orderly, dignified, and consistent with the traditional style of pharmacies and medical offices.

All business activities completed at the proposed facility including both the cultivation and production processes will be conducted solely within the building.

d. Outside display or sales of MME merchandise shall be prohibited.

No outside display or sales of merchandise will occur on the premises.

e. Accessory outside storage for MMEs shall comply with Title 18.16 Development Standards, Division 1.12 Outside Storage.

It is proposed that all business activity including storage will occur within the building. If for some reason these operation practices are modified in the future, any outdoor storage will comply with Title 18.16 Development Standards, Division 1.12 Outside Storage.

Access to the MME shall be restricted in compliance with State regulations.

The proposed facilities will in no way be open to the public. As required, the site and facility are designed with the necessary security measures including perimeter fencing, secure ingress and egress to the building, lighting and surveillance.

g. No MME-related products shall be visible from outside the building.

The site and building are designed so that no MME products are visible from outside the building.

h. Sign Requirements. All MME signage shall be discreet, professional, and consistent with the traditional style of signage for pharmacies and medical offices. All MMEs shall follow the sign regulations for Office Uses in the Development Standards, Division 4, except that freestanding sign height for Cultivation Facilities, Production Facilities, and Testing Laboratories shall be limited to 10 feet consistent with sign height requirements for industrial uses.

No signage is proposed as part of either of these applications.

- i Parking Requirements. Parking shall be provided for MMEs as follows:
 - (1) Dispensaries. One space per 300 square feet of gross floor area.
 - (2) Cultivation Facilities. One space per 1,000 square feet of gross floor area.
 - (3) Production Facilities. One space per 500 square feet of gross floor area.
 - (4) Testing Laboratories. One space per 400 square feet of gross floor area.

The total facility at build out will include 4,660 square feet and require 8 total parking stalls, one (1) of which will be accessible.

j No more than two Dispensaries shall be permitted in Carson City.

The proposed project is limited to both a cultivation and production facility, no dispensaries are proposed to operate at this location.

k A MME shall not be located within 1,000 feet of a public or private school that provides formal education traditionally associated with preschool or kindergarten through grade 12 or within 300 feet of a facility that provides day care to children, a public park, a playground, a public swimming pool, a center or facility, the primary purpose of which is to provide recreational opportunities or services to children or adolescents, that existed on the date on which the application for the proposed MME was submitted to the State Health Division, measured on a straight line from the nearest school or community facility property line to the front door or primary entrance of the MME.

A state license application for both a Cultivation and Production Facility were approved which included and zoning verification letter demonstrating the proposed site complies with the above requirements.

SPECIAL USE PERMIT GENERAL REVIEW QUESTIONS

Question 1. How will the proposed development further and be in keeping with, and not contrary to, the goals of the Master Plan Elements?

Explanation A. Turn to the Master Plan Policy Checklist. The Master Plan Policy Checklist for Special Use Permits and Major Project Reviews address five items that appear in the Carson City Master Plan. Each theme looks at how a proposed development can help achieve the goals of the Carson City Master Plan. Address each theme; a check indicates that the proposed development meets the applicable Master Plan Policy. In your own words provide written support of the policy statement. You may want to acquire a free CD or purchase a paper copy of the Master Plan from the Planning Division, or review the copy in the Planning Office or in the reference section of the Ormsby Public Library on Roop Street, or use our website at

The proposed project helps to achieve A Balanced Land Use Pattern in that the proposed project site is located in a General Industrial (GI) zone which has been identified as an appropriate designation for uses of this type.

Question 2. Will the effect of the proposed development be detrimental to the immediate vicinity? To the general neighborhood?

Explanation A. Describe the general types of land uses and zoning designations adjoining your property

The proposed project site is surrounded by other industrial type uses and similar General Industrial (GI) and General Commercial (GC) zoning designations.

Location	Master Plan Designation	Zoning Designation	Current Land Use
North	Mixed Use Commercial	General Industrial (GI)	Commercial Business
South	Mixed Use Commercial	General Industrial (GI)	Commercial Business Vacant
East	Mixed Use Commercial	General Industrial (GI)	Commercial Business
West	Mixed Use Commercial	General Commercial (GC)	Highway 50, Vacant

B. Explain why your project is similar to existing development in the neighborhood, and why it will not hurt property values or cause problems, such as noise, dust, odors, vibration, fumes, glare, or physical activity, etc. with neighboring property owners. Will the project involve any uses that are not contained within a building? If yes, please describe. If not, state that all uses will be within a building. Explain how construction-generated dust (if any) will be controlled. Have other properties in your area obtained approval of a similar request? How will your project differ in appearance from your neighbors? Your response

should consider the proposed physical appearance of your proposal, as well as comparing your use to others in the area.

The proposed project includes significant site and building improvements. The proposed land use will not create additional noise, dust, odors, vibration, fumes, glare, or physical activity above and beyond the property's previous use. With this unique land use comes significant security upgrades to the property which may help surrounding properties.

C. Provide a statement explaining how your project will not be detrimental to the use, peaceful enjoyment or development of surrounding properties and the general neighborhood.

The proposed project will be contained completely within the building and therefore will blend nicely into the area and not be detrimental to the peaceful enjoyment of the surrounding properties.

D. Consider the pedestrian and vehicular traffic that currently exists on the road serving your project. What impact will your development have when it is successfully operating? Will vehicles be making left turns? Will additional walkways and traffic lights be needed? Will you be causing traffic to substantially increase in the area? What will be the emergency vehicle response time? State how you have arrived at your conclusions. What City department have you contacted in researching your proposal? Explain the effect of your project with the existing traffic in the area.

The project site is accessed off Highway 50 which has significant vehicular traffic but very limited pedestrian traffic. The proposed facility will not actually be open to the public and therefore traffic, both vehicular and pedestrian, will be limited to employees and deliveries. These factors will produce a significant reduction in traffic counts versus the previous business on site. Carson City Fire has been on site to discuss the project and has concluded that the proposed improvements meet or exceed their requirements.

E. Explain any short-range and long-range benefit to the people of Carson City that will occur if your project is approved.

The proposed project is a reuse/ redevelopment of an existing site which includes extensive improvements. Additional benefits of the project include added employment opportunities, and tax revenue.

Question 3. Has sufficient consideration been exercised by the applicant in adapting the project to existing improvements in the vicinity?

Explanation A. How will your project affect the school district? Will your project add to the student population or will it provide a service to the student population? How will your project affect the Sheriff's Office?

The proposed development will not create any changes in the needs from internal service departments. The Sheriff's office may actually see a reduction to crime in the area with the addition of the required security features associated with a facility of this nature.

B. If your project will result in the covering of land area with paving or a compacted surface, how will drainage be accommodated? Talk to Engineering for the required information.

See the attached hydrology section.

C. Are the water supplies serving your project adequate to meet your needs without degrading supply and quality to others in the area? Is there adequate water pressure? Are the lines in need of replacement? Is your project served by a well? Talk to Public Works for the required information.

See attached water section.

D. Is there Adequate capacity in the sewage disposal trunk line that you will connect to in order to serve your project, or is your site on a septic system? Please contact Public Works for the required information.

See attached sewer section.

E. What kind of road improvements are proposed or needed to accommodate your project? Have you spoken to Public Works or Regional Transportation regarding road improvements?

The only proposed improvements will be on site. Additional road improvements will not be needed.

F. Indicate the source of the information that you are providing to support your conclusions and statements made in this packet (private engineer, Public Works, Regional Transportation, title report, or other sources).

The information provided is a collaboration between Manhard Consulting, Miles Architectural Group and MedCanna. The information is in compliance with Carson City Municipal Code, NAC and NRS.

G. If outdoor lighting is to be a part of the project, please indicate how it will be shielded from adjoining property and the type of lighting (wattage/height/placement) provided.

Although it is anticipated that outdoor lighting will ultimately be part of the proposed project, a detailed lighting plan is not included as part of this submittal package. Any lighting associated with the proposed development will be in accordance with Carson City Municipal Code Development standards Lighting Section 1.3.

H. Describe the proposed landscaping, including screening and arterial landscape areas (if required by the zoning code). Include a site plan with existing and proposed landscaping shown on the plan which complies with City ordinance requirements.

A conceptual landscape plan is provided as part of this application (Figure 7). All landscaped areas will comply with Carson City Ordinance requirements.

Provide a parking plan for your project. If you are requesting approval for off-site parking within 300 feet, provide site plans showing (1) parking on your site, (2) parking on the off-site parking lot, and (3) how much of the off-site parking area is required for any business other than your own. Design and dimensions of parking stalls, landscape islands, and traffic aisles must be provided.

The proposed site plan also functions as the parking plan, which shows all dimensioned parking stalls.

Appendix A

arson City Planning Division 98 E. Proctor Street - Carson City M none: (775) 887-2180 • E-mail: planning	V 89701	FOR OFFICE USE CCINC 18.02 SPECIAL	USE PERMIT
ILE # SUP - 15 -		FEE: \$2,45	50.00 MAJOR 00.00 MINOR (Residential
PPLICANT EAT Investments, LLC - Dan Flannagan	PMONE # 877-723-0543	92,20 zoni -> noticing fe	ng districts)
ailing address, city, stäte, zip 75 Hill Street, Suite 290, Reno,	NV 89501	SUBMITTAL PAC	KST leted Application Packets
MAIL ADDRESS flann@dmnovo.com		(1 Origin	nal + 7 Copies) including: tion Form Project Description
ROPERTY OWNER TIM McCarville, LLC	PMONE # 775-883-3499	Site Pla	
AAILING ADDRESS, CITY, STATE, ZIP O Box 20581, Carson City, NV MAIL ADDRESS	39721	Answer Applica Docum	s Given int's Acknowledgment Statement entation of Taxes Paid-to-Date († copy)
APPLICANT AGENT/REPRESENTATIVE Manhard Consulting, LTD - Mark Rott	PHONE # er 775-882-5630	CD cor once th Application Rev	Intaining application digital data (to be submitted nataining application is deemed complete by staff) riewed and Received By: line: See attached PC application submittal
MAILING ADRESS, CITY STATE, ZIP 3476 Executive Point Way, Suite 1 EMAIL ADDRESS Mrotter@manhard.com	2, Carson City, NV 89706	schedule. Note: Submitta	is must be of sufficient clarity and detail such lents are able to determine if they can support ditional information may be required.
Project's Assessor Parcel Number(s):	Street Address ZIP Code 8001 Highway 50 East,	Carson City, N	IV 89701
008-611-39 Project's Master Plan Designation Mixed Use Commercial	Project's Current Zoning GI - General Industria		Nearest Major Cross Street(s) Arrowhead Drive and Highway 50 East
	or Development Standar	if necessary). In a your project and pi ds_ Division	addition to the brief description of your project an opposal. In accordance with Carson City Municipa section, a request to allow
PROPERTY OWNER'S AFFIDAVIT I. knowledge of, and I agree to, the filling of this	being duly deposed, do hereby สที application 8001 Highway 50 Ea	irm that <u>I am the rec</u> st, Carson City, NV 89	cord owner of the subject property, and that I have
Signature	Address		Date
Use additional page(s) if necessary for other	names.		
STATE OF NEVADA COUNTY)	pers	conally appeared before me, a notary public,
On, 2, 2, personally known (or proved) to me to be the executed the foregoing document.	person whose name is subscribed	to the foregoing	HAL he/she
Notary Public			Ti. V. Marija
NOTE: If your project is located within the h Commission, the Airport Authority and/or Commission. Planning personnel can help y	ustoric district, airport area, or dov the Redevelopment Authority Cit ou make the above determination	vntown area, it is a citizens Committee p	prior to being scheduled for review by the Plann

Master Plan Policy Checklist

Special Use Permit, Major Project Review & Administrative Permits

PURPOSE

The purpose of a development checklist is to provide a list of questions that address whether a development proposal is in conformance with the goals and objectives of the 2006 Carson City Master Plan that are related to non-residential and multi-family residential development. This checklist is designed for developers, staff, and decision-makers and is intended to be used as a guide only.

Development Name:	* *** *** ** ** ** *** *** *** *** ***
Reviewed By	
Date of Review:	

DEVELOPMENT CHECKLIST

The following five themes are those themes that appear in the Carson City Master Plan and which reflect the community's vision at a broad policy level. Each theme looks at how a proposed development can help achieve the goals of the Carson City Master Plan. A check mark indicates that the proposed development meets the applicable Master Plan policy. The Policy Number is indicated at the end of each policy statement summary. Refer to the Comprehensive Master Plan for complete policy language.

CHAPTER 3: A BALANCED LAND USE PATTERN



The Carson City Master Plan seeks to establish a balance of land uses within the community by providing employment opportunities, a diverse choice of housing, recreational opportunities, and retail services.

is or does the proposed development:

- Meet the provisions of the Growth Management Ordinance (1.1d, Municipal Code 18.12)?
- Use sustainable building materials and construction techniques to promote water and energy conservation (1.1e, f)?
- □ Located in a priority infill development area (1.2a)?
- Provide pathway connections and easements consistent with the adopted Unified Pathways Master Plan and maintain access to adjacent public lands (1.4a)?
- Protect existing site features, as appropriate, including mature trees or other character-defining features (1.4c)?



	At adjacent county boundaries or adjacent to public lands, coordinated with the applicable agency with regards to compatibility, access and amenities (1.5a, b)?
	In identified Mixed-Use areas, promote mixed-use development patterns as appropriate for the surrounding context consistent with the land use descriptions of the applicable Mixed-Use designation, and meet the intent of the Mixed-Use Evaluation Criteria (2.1h. 2.2h. 2.3h, Land Use Districts, Appendix C)?
	Meet adopted standards (e.g. setbacks) for transitions between non-residential and residential zoning districts (2.1d)?
	Protect environmentally sensitive areas through proper setbacks, dedication, or other mechanisms (3.1b)?
T'	Sited outside the primary floodplain and away from geologic hazard areas or follows the required setbacks or other mitigation measures (3.3d, e)?
Y	Provide for levels of services (i.e. water, sewer, road improvements, sidewalks, etc.) consistent with the Land Use designation and adequate for the proposed development (Land Use table descriptions)?
	If located within an identified Specific Plan Area (SPA), meet the applicable

CHAPTER 4: EQUITABLE DISTRIBUTION OF RECREATIONAL OPPORTUNITIES

policies of that SPA (Land Use Map, Chapter 8)?



The Carson City Master Plan seeks to continue providing a diverse range of park and recreational opportunities to include facilities and programming for all ages and varying interests to serve both existing and future neighborhoods.

is or does the proposed development:

- Provide park facilities commensurate with the demand created and consistent with the City's adopted standards (4.1b)?
- □ Consistent with the Open Space Master Plan and Carson River Master Plan (4.3a)?

CHAPTER 5: ECONOMIC VITALITY



The Carson City Master Plan seeks to maintain its strong diversified economic base by promoting principles which focus on retaining and enhancing the strong employment base, include a broader range of retail services in targeted areas, and include the roles of technology, tourism, recreational amenities, and other economic strengths vital to a successful community.

Is or does the proposed development:

98	tue bloboses gavelohmen:
	Encourage a citywide housing mix consistent with the labor force and non-labor
	force populations (5.1)
	Encourage the development of regional retail centers (5.2a)
	Encourage reuse or redevelopment of underused retail spaces (5.2b)?
П	Support heritage tourism activities, particularly those associated with historic
	resources, cultural institutions and the State Capitol (5.4a)?
	Promote revitalization of the Downtown core (5.6a)?



□ Incorporate additional housing in and around Downtown, including lofts, condominiums, duplexes, live-work units (5.6c)?

CHAPTER 6: LIVABLE NEIGHBORHOODS AND ACTIVITY CENTERS



The Carson City Master Plan seeks to promote safe, attractive and diverse neighborhoods, compact mixed-use activity centers, and a vibrant, pedestrian-friendly Downtown.

Is or does the proposed development:

- Use durable, long-lasting building materials (6.1a)?
- U Promote variety and visual interest through the incorporation of varied building styles and colors, garage orientation and other features (6.1b)?
- Provide variety and visual interest through the incorporation of well-articulated building facades, clearly identified entrances and pedestrian connections, landscaping and other features consistent with the Development Standards (6.1c)?
- Provide appropriate height, density and setback transitions and connectivity to surrounding development to ensure compatibility with surrounding development for infill projects or adjacent to existing rural neighborhoods (6.2a, 9.3b 9.4a)?
- If located in an identified Mixed-Use Activity Center area, contain the appropriate mix, size and density of land uses consistent with the Mixed-Use district policies (7.1a, b)?
- ☐ If located Downtown:
 - o Integrate an appropriate mix and density of uses (8.1a, e)?
 - o Include buildings at the appropriate scale for the applicable Downtown Character Area (8.1b)?
 - o Incorporate appropriate public spaces, plazas and other amenities (8.1d)?
- Incorporate a mix of housing models and densities appropriate for the project location and size (9.1a)?

CHAPTER 7: A CONNECTED CITY



The Carson City Master Plan seeks promote a sense of community by linking its many neighborhoods, employment areas, activity centers, parks, recreational amenities and schools with an extensive system of interconnected roadways, multi-use pathways, bicycle facilities, and sidewalks.

Is or does the proposed development:

- Promote transit-supportive development patterns (e.g. mixed-use, pedestrian-oriented, higher density) along major travel corridors to facilitate future transit (11.2b)?
- Maintain and enhance roadway connections and networks consistent with the Transportation Master Plan (11.2c)?
- Provide appropriate pathways through the development and to surrounding lands, including parks and public lands, consistent with the Unified Pathways Master Plan (12.1a, c)?

Back to Last Page Treasurer Home Assessor Data Inquiry Secured Tax Inquiry Detail for Parcel # 008-611-39 Roll #: 110995 Property Location: Tax Year
Billed to: Tax Service: Land Use Code: Total Amount Paid Total Due Tax Penalty/Interest Prior Year 77 (2) 4.74 364 14 Current Year 612:24 # IE de 98-18 MIZLE 3211 SHIR

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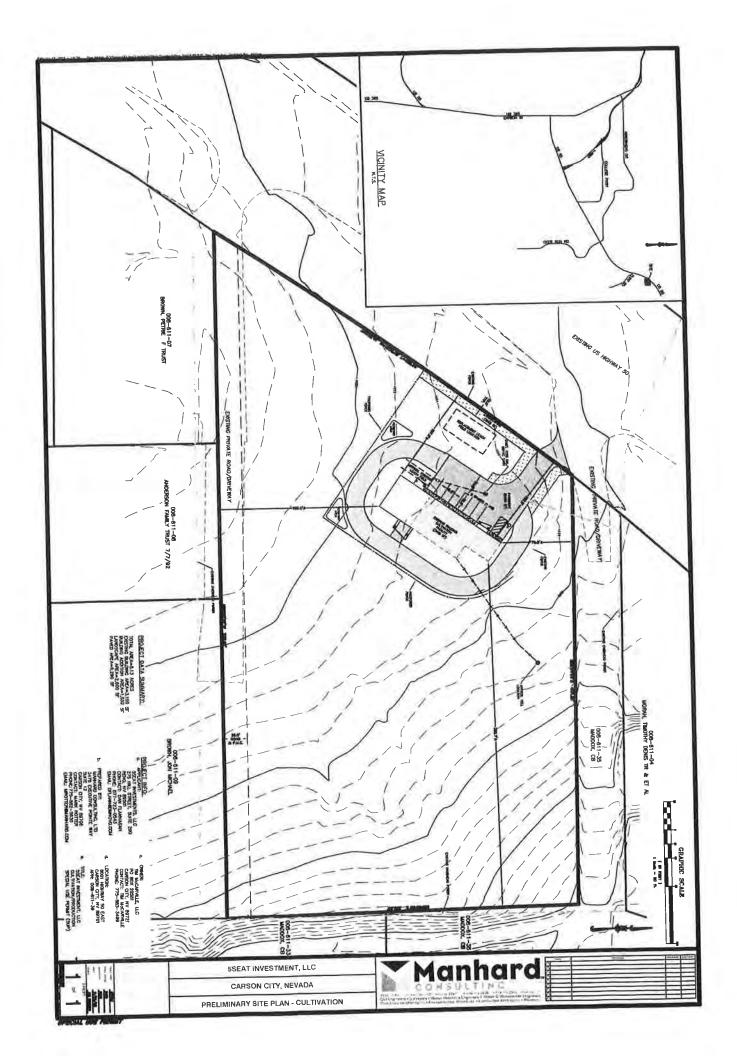
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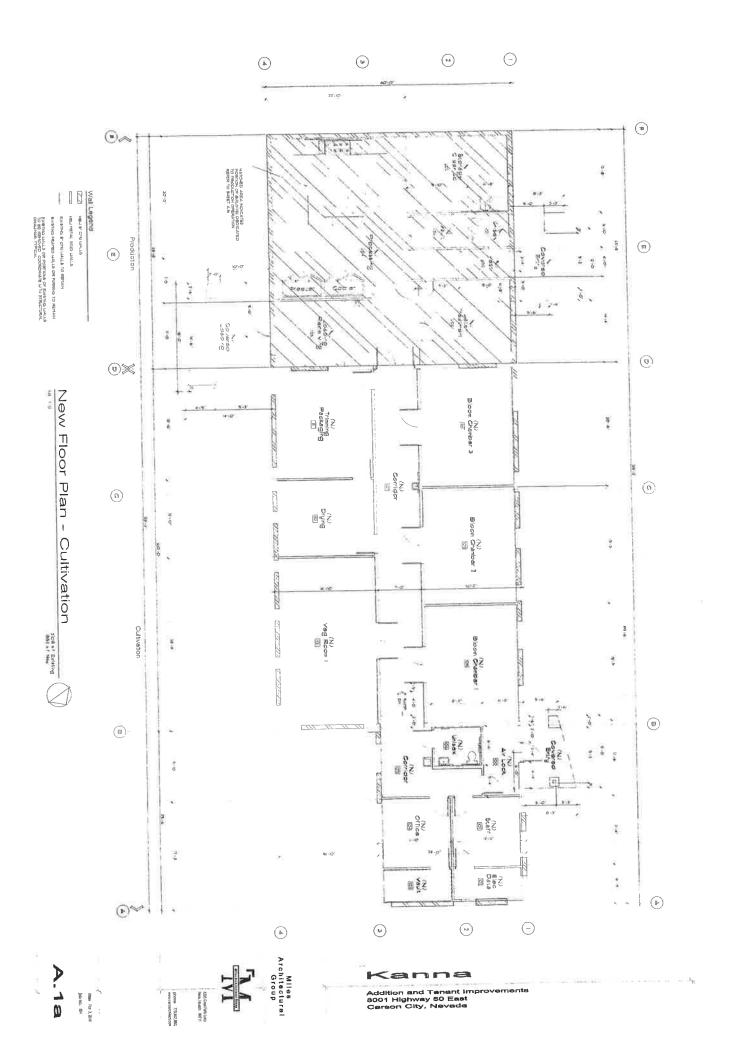
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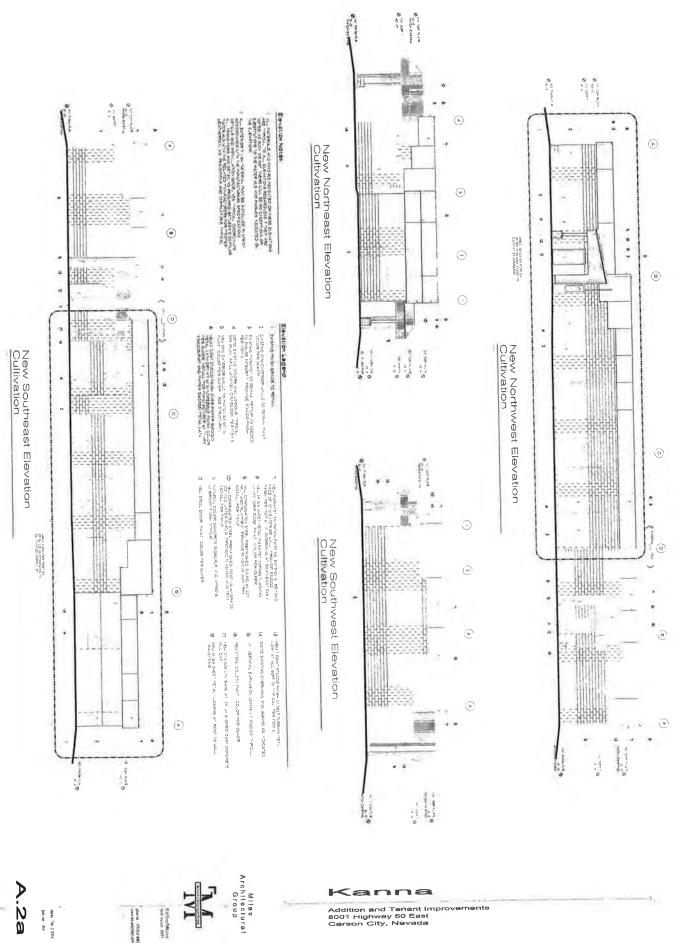
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Appendix B



Appendix C





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Appendix D



Cultivation Methodology

To ensure quality, consistency, and safety of all medical Cannabis products produced in its facilities, MedCanna Consulting, an industry leading Cannabis agronomy consultancy, has developed a detailed plan with strict policies and procedures for its cultivation operations. This plan consists of a proven methodology developed by MedCanna and its members, who bring a combined experience of nearly 75 years in producing high quality Cannabis.

MedCanna's plan incorporates proper genetic selection of strains (chemovars) with established and tested cannabinoid profiles that have proven and/or anecdotal evidence of efficacy in treating medical ailments. Their advanced bio-organic cultivation techniques, include strict environmental controls, software tracking of all products from seed to sale, organic pest control methods, in-house and third party testing for molds and contaminants as well as advanced curing and packaging methods.

MedCanna in conjunction with T.H. Seeds holds a vast library of different Cannabis genetics. Most have already been tested for their Cannabinoid profiles, and all have amassed anecdotal evidence of medicinal efficacy for various ailments. Through using specific chemovars that exhibit known medicinal values and cultivating them within their preferred environment a very high level of consistency and purity can be attained. They incorporate pruning and screening techniques to help with even hormone distribution throughout the plant. All undergrowth is removed at different stages to allow for an even Cannabinoid profile throughout each plant. Any parts of the crop deemed less than exceptional can be used for processing for extraction and incorporated into extract production.

Each crop will be tested first in-house and ultimately by a third party lab prior to any product being released for sale. Crops will be tested for molds (ultraviolet light and high powers microscope inspection) residual insecticides, fungicides (both through chromatographic analysis), and Cannabinoid profiles (THC/THC-A/THC-V/CBN/CBD/CBD-A) using HPLC (High Performance Liquid Chromatography) to third party standards. By utilizing all known safeguards and following their well-practiced Integrated Pest Management system there will be no chance of any contaminated product reaching the patient.

Any plant genetics entering the facility will be kept under quarantine for a period of six days, during which a three-part sterilization procedure will take place. This process involves the use of both Ozonated water and CO2/Nitrogen gas; this ensures the



cleanliness of the "stock" plants, which in turn will eliminate the need for any chemicals to be used during the growth stage. A once weekly fumigation of vegetative plants/units with Ozonated or electrolyzed water will ensure an environment free of unwanted pathogens. Application of all facets of Integrated Pest Management will be rigorously adhered to. Cleanliness of the individual units as well as the rest of the facility is key. Daily monitoring of plants and traps will allow for the immediate implementation of measured responses should safe operating parameters be exceeded.

Keeping the climate in the grow space and the root zone at optimal levels, coupled with regular inoculation with beneficial organisms will ensure that pathogens cannot take hold and proliferate. Sterilization of units during changeover will be carried out as a standard. Sterilization of the drying and curing section will be performed before the product enters, and after the product leaves the chamber. A gas flush with CO2 or Nitrogen gas of the drying unit with the product inside will ensure sterility of the finished medicinal product. All finished product is to be stored under vacuum with Nitrogen gas.

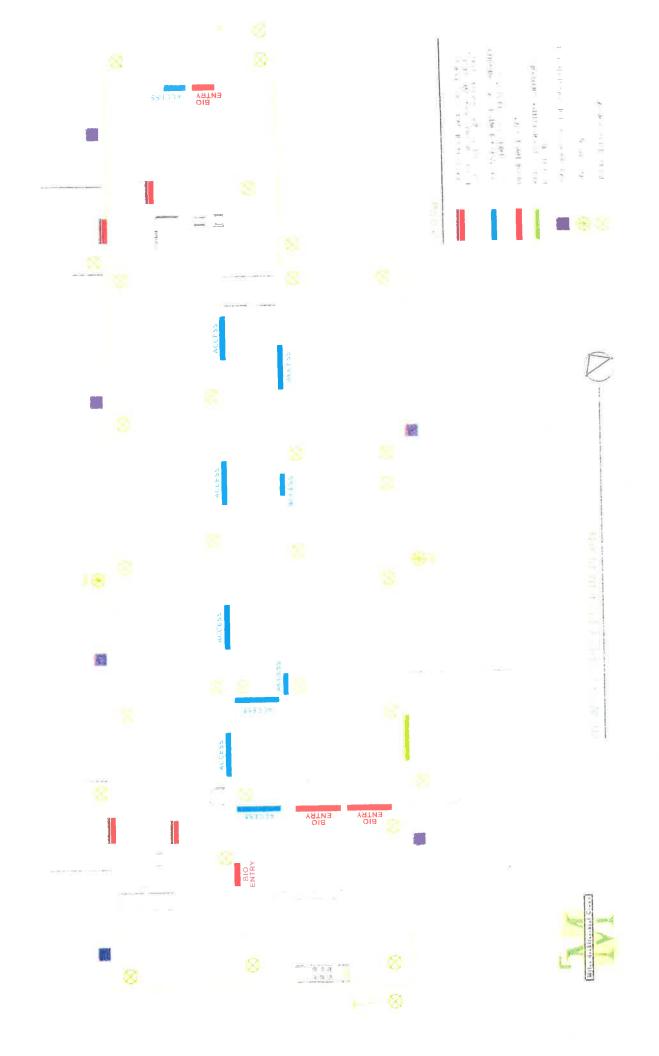
There are a number of OMRI listed insecticides and fungicides available on the market, Many of these work reasonably well, especially when sprayed preventatively, although they are no replacement for good practices. All of the organic products used have a defined time in which they break down. If necessary, these products can be incorporated for use, well within their recommended dosages and use timelines. These products include organically based pyrethrums, neem oils, mineral oil or alcohol based products and biologically active products such as BT and Spinosad.

A well-structured fertilization schedule gives the plants just what they need, but not more, this eliminates the presence of ballast salts and un-used fertilizers in the end product. They incorporate three different types of organically based enzymes throughout the growth process, coupled with a flushing period toward the end of the bloom cycle. Ballast feed levels will be measured from run off and basic lab tests of the grow medium. This allows on the spot decisions about nutrient dosing. Plant tissue analysis will also be used in determining nutrient levels and allow us to ensure that there are no extra ballast materials in the end product.

The use of the BioTrackTHC "seed to sale" software system will aid us in maintaining strict controls within the cultivation facility. BioTrackTHC provides the ability to "tag" or barcode each plant and track its treatment and environmental conditions from the beginning its of life through harvest, processing, and ultimately sale. Via this barcoding and tracking system all end user product will track back to a production lot and in the unlikely event of contamination of any kind or residual ballast, insecticide or fungicide



level deemed unacceptable by third party standards, the entire lot can easily be identified and disposed of in a legal and safe manner.





Security Plan

Kanna

8001 Highway 50 East

Carson City, NV 89701

Prepared By:

Tim Kolakowski

All Pro Security, Inc.

1295 East Moana Lane Suite D

Reno, NV 89502

NV License 56430

COMPANY INTRO:

All Pro Security, Inc.: Since inception date of Sept. 2002, with over 40 years of combined experience we provide advanced on-time installations needed to protect people and property at the fullest ability. We are a full service design, install and service company. The applications we provide are security, fire, monitoring, access control and video solutions. We design and complete the installation to each customer's needs and requirements by any local and federal regulations per industry standards. Our 24/7 service and dedication to our customers, quality and on-site support are a few of the many advantages to having All Pro Security, Inc. as your full service security provider.

Proposed Security Plan:

Intrusion Detection System: The system will consist of Honeywell security panel (Vista 20P). The panel will communicate via a Honeywell GSMV4G GSM cellular radio that communicates in Contact ID format. This combination panel/communicator transmits all signals (ie: alarm, trouble, and test) to Rapid Response Monitoring. Both Underwriter Laboratories (UL) and Factory Mutual (FM) certify rapid Response Monitoring central station.

The system will send a test signal to the central station from both the main control panel and the GSM radio on a 24-hour basis. The back-up power supply will also be capable of supplying power in the event of power loss for a period of 24 hours. Once power is lost an "AC Loss" signal will be sent to the central station and the proper persons will be notified.

The vault area will have a separate partitioned portion of the system which will allow this area to be armed at all times when it is not occupied.

The system will have the following levels of protection:

- A. Exterior Door Contacts: In the event of breach during after hours
- B. Interior Door Contacts: Vault Area Protection for higher level employees with access
- C. Motion Detection: For Common Areas and near doors.
- D. Glass Break Detection: In areas with any glass to outer building perimeters.
- E. Panic Buttons: Remote and Stationary in event of a breach of security and imminent danger

Any signals (i.e. Bypassing of zones, low battery, loss of AC, Alarms) will be sent via text or email to any owner or manager as requested.

Access Control System: The Access Control System will be The Honeywell NetAXS-123. This panel is self-contained and is programmed on-site with a web browser. All access cards will be programmed based on door location, schedule and employee duties, limiting the ability of unauthorized entry into a secure portion of the building. For high security areas (ie. Vault) employees will be required to present their card/keyfob followed by presenting their fingerprint in order to gain entry. Further, these areas will then require the alarm system being disarmed. This will provide redundancy on the security of these areas.

The access control system will store a log of all authorized access to doors as well as unauthorized attempts to access a door. All events are time stamped with date and time.

Upon approval of Authority Having Jurisdiction, there will be an extra security measure at the two employee entrances to avoid the breach with multiple persons entering, by means of only allowing one door to be open at one time. In case of fire, the exit doors will have an emergency relay to cut power to the mag-locks to enable egress out and ingress in for fire department as needed. AHJ may require additional egress for emergency if this type of system is enforced.

IP Video Surveillance System: The video security surveillance system will operate 24 hours a day, 7 days per week. The cameras will be positioned on the exterior and interior of the building. Some areas which will be covered but not limited to are the parking lot, all exterior sides of the building, all entrances to and from the building and all interior rooms and hallways.

The Exacq Video Server will have the following features: The hard drives are a RAID 5 configuration providing a high level of reliability. Having all storage of video on a main server allows for this device to be stored in a very high security area preventing the ability of being tampered with by unauthorized individuals. This server and all POE network switches will have an uninterrupted power supply (UPS) so that it will continue to operate in the event of power loss. All cameras are powered by "power over Ethernet (POE)" so they are also protected from a loss of building power.

The software installed on the server is Exacq IP video surveillance and security platform, is a comprehensive video management system that combines powerful network video recorders (NVRs) with physical security information management (PSIM) functionality. Ocularis represents the latest evolution in IP video surveillance and security. As an integrated video and event management platform, it includes a full-fledged video management system (VMS) for streaming, recording and managing an unlimited number of cameras at multiple sites. Ocularis' straightforward workflow provides a collaborative environment in which video and alerts from across the organization are converted into meaningful events, for efficient shared handling and building a video-evidence case file. Monitors installed will all be 19" and larger. Access into the software is password protected.

Exterior cameras will consist of Arecont Vison 180 degree cameras and HikVision 3 MP fixed cameras protecting the entire perimeter. Interior cameras will consist of HikVision 1.3 and 3MP vandal domes in all areas inside

Closing

All Questions regarding the proposed schedule of protection can be directed to:

Tim Kolakowski President All Pro Security, Inc. 775-560-6623



5SEAT INVESTMENTS LLC

KANNA SECURITY NARRATIVE

FILE # SUP 15-012 MME Cultivation

8001 Hwy 50 East Carson City, NV

To prevent unauthorized access to medical marijuana at a medical marijuana establishment, the Kanna MME project will have:

- 1. Security equipment to deter and prevent unauthorized entrance into limited access areas that includes, without limitation:
- (a) Devices or a series of devices to detect unauthorized intrusion, which may include a signal system interconnected with a radio frequency method, such as cellular, private radio signals, or other mechanical or electronic device.
- (b) Exterior lighting to facilitate surveillance.(c) Electronic monitoring including, without limitation:
- (1) At least one 19-inch or greater call-up monitor;
- (2) A video printer capable of immediately producing a clear still photo from any video camera image;
- (3) Video cameras with a recording resolution of at least 704 x 480 or the equivalent providing coverage of all entrances to and exits from limited access areas and all entrances to and exits from the building, capable of identifying any activity occurring in or adjacent to the building;
- (4) A video camera at each point of sale location allowing for the identification of any person who holds a valid registry identification card or his or her designated primary caregiver purchasing medical marijuana;
- (5) A video camera in each grow room capable of identifying any activity occurring within the grow room in low light conditions;
- (6) A method for storing video recordings from the video cameras for at least 30 calendar days;
- (7) A failure notification system that provides an audible and visual notification of any failure in the electronic monitoring system; and
- (8) Sufficient battery backup for video cameras and recording equipment to support at least five minutes of recording in the event of a power outage.
- (d) Immediate automatic or electronic notification to alert local law enforcement agencies of an unauthorized breach of security at the medical marijuana establishment in the interior of each building of the establishment.
- 2. Policies and procedures:
- (a) That restrict access to the areas of the establishment that contain marijuana to persons authorized to be in that area only;
- (b) That provide for the identification of persons authorized to be in the areas of the establishment that contain marijuana;
- (c) That prevent loitering;
- (d) For conducting electronic monitoring; and
- (e) For the use of the automatic or electronic notification to alert local law enforcement agencies of an unauthorized breach of security at the medical marijuana establishment.



5SEAT INVESTMENTS LLC

KANNA SECURITY NARRATIVE cont;

FILE # SUP 15-012 MME Cultivation

8001 Hwy 50 East Carson City, NV

Lighting;

Kanna will install sufficient lighting outside of the registered premises to be used each day between sunrise and sunset that adequately illuminates the cultivation center and its immediate surrounding area, including storage areas, parking lots, and entry areas. Specifically, Kanna will install ViVidleds Wall Mount77-5036 1m-700ma security lights.

Exterior lighting will be installed near video surveillance devices to ensure proper illumination for the identification of people, vehicles and license plates within 40 feet of the building. The outdoor lighting we be hooded to deflect light away from adjacent properties. Sufficient exterior lighting serves as a deterrent for robbery and burglary.

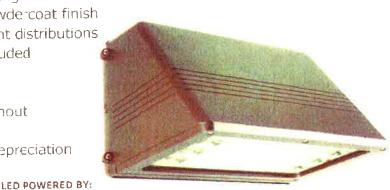




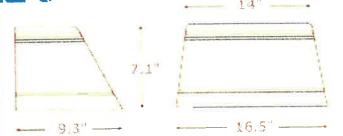
LED Features:

- 📁 Highest quality, long life CREE XTE R2 LEDS
- UL and CUL Listed for wet location IP65
- Long lasting die-cast aluminum housing
- Architectural bronze UV resistant powdercoat finish
- Position adjustable for 2 different light distributions
- Heavy duty silicone foam gasket included
- Extremely long life stylized design
- High quality thermal heatsinks
- Rugged product construction throughout
- Excellent CRI: RA>75
- Low Tj for long life and low lumen depreciation
- Low starting temperature: -30C
- IC controlled LED circuits
- 3 year system warranty

Trapezoid Cut-off Series

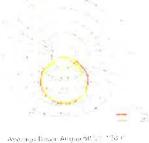






Simple One Person Mounting







Models:

- VVD31115FR: 15 LEDS 40W 2752 Lm 700mA
- VVD31130FR: 30 LEDS 77W 5036 Lm 700mA

Ordering:

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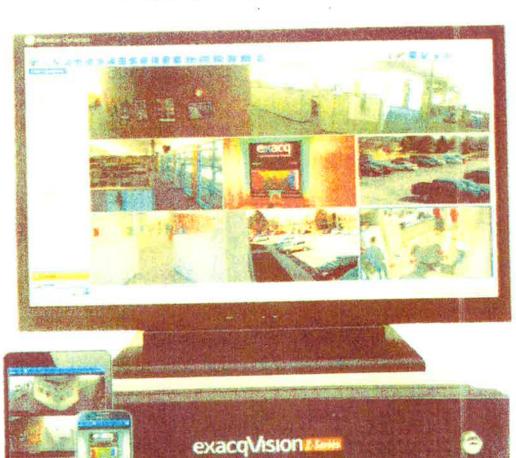






exacq\/ISION

Product Brochure













Now Featuring



















exacqVision A-Series

IP Camera Servers
IP Cameras and Encoders

exacqVision A-Series IP Camera Servers

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Exacq Technologies Europe, Ltd. Business & Technology Centre Bessemer Drive Stovenage, Herts SG1 ZDX, UK

+1.317.845.5710 USA +5255 56080817 Mexico +44.2087.505660 UK/Europe +852.8120.9275 Hong Kong

www.exacq.com 65-13

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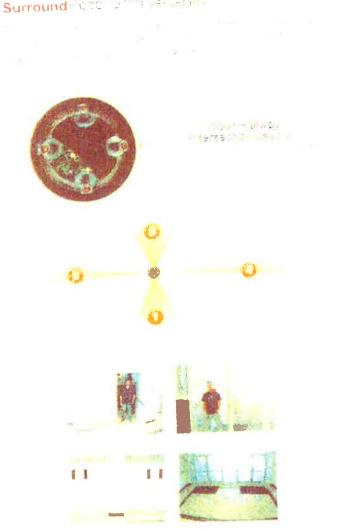
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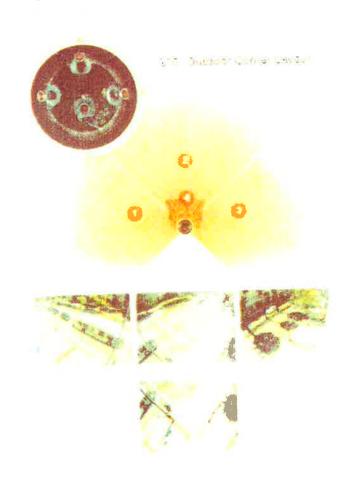






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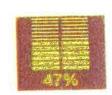
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VISTA-20P

VISTA® CONTROL PAMEL

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NETAXS OFFERINGS

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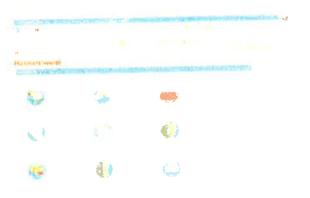
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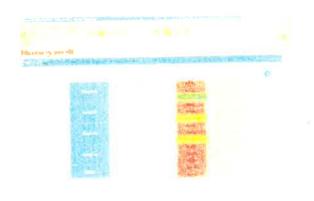
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SYSTEM BENEFITS



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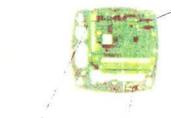
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ENCLOSURE OPTIONS

NetAXS 123

NetAXS-120 Compact Plastic Englosure



PoE or 12 VDC Powered

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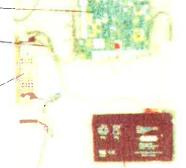
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NetAXS-123 Add On Boards

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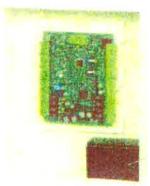


NetAXS-123 Two Door Add-on Board



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NetAXS 4 Standard Metal Englosure



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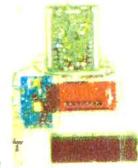
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NetAXS-+ Deluxe Meral Enclosins



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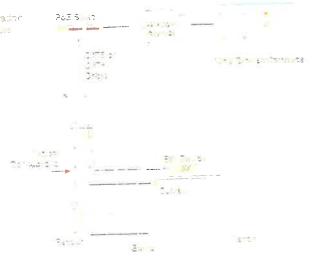
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SYSTEM OVERVIEW

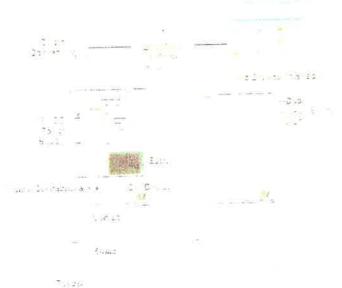
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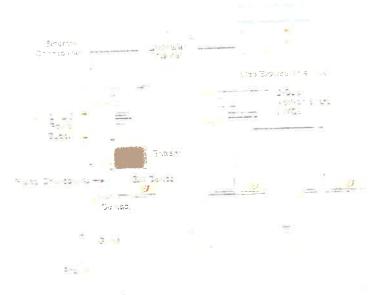
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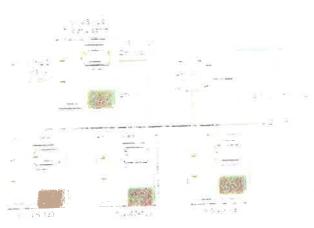
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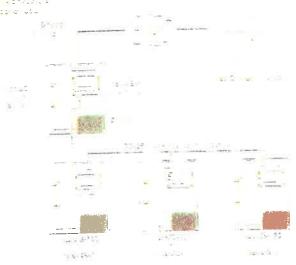
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For more information:

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Honeywell

DanF

From:

Michael Bove <mrbove2003@yahoo.com>

Sent:

Friday, February 13, 2015 6:03 PM

To:

Dan Flannigan

Subject:

Fw: equipment list

From: Sjoerd Broeks < present med came composition>; To: Michael Bove < 11 1000 2000 2000 2000 >;

Subject: equipment list

Sent: Sat, Feb 14, 2015 1:03:07 AM

room

Thats the link to the exhaust fan, I per bloom

HIS THE PROPERTY SHOWS AND ADMINISTRATION OF THE PARTY.

Thats is the inline Uvonair ozone system, we are

using the CD1200 1 per bloom room

Thats the charcoal filter x2 for each bloom RUDE TO THE BUILD A ROLLING REAL PROPERTY OF THE PROPERTY OF T

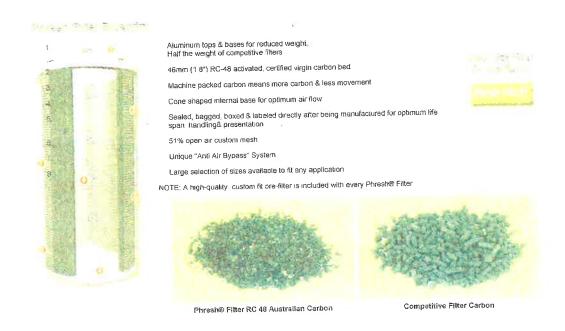
room, each filter is 950 CFM The part number is 701025

I will find the policies and procedures manual and send it to you asap

Sioerd Broeks 800 556 9892 x701

STATEMENT OF CONFIDENTIALITY

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UVONAIR CD

Éliminateur d'odeurs

Modèles:

CD - 1000-1 CD - 800

CD - 1000-2

CD - 1200

- Considérations nour l'installation:
 Veuillez lire foures les directives avant de procéder à l'installation.
 Veuillez lire foures les directives avant de procéder à l'installation.

 1) Les générateurs d'ozone Uvonair CD sont rocheur le 8 po (20 cm). Les deux CD-1000 doit être installé dans un conduit de 8 po (20 cm). Les deux CD-1000 doit être installé dans un conduit de 8 po (20 cm). Les datoptateurs de conduits conduit de 10 po (25 cm). Le modèle CD-1200 doit être installé dans un conduit de 12 po (30 cm). Les adaptateurs de conduits conduit de 10 po (25 cm). Le modèle CD-1200 doit être installé dans un conduit de 12 po (30 cm). Les adaptateurs de conduits peuvent être utilisés pour l'installation dans des conduits de dimensions différentes. L'installation d'une unité plus petite dans un peuvent être utilisés pour l'installation dans des conduits de dimensions différentes. conduit plus grand peut réduire la circulation d'air.
- superficie ne dépasse pas 20 000 p² (600 m²). Le modèle CD-2-1000 traitera loutes les odeurs évacuées hors des pièces dont la superficie ne dépasse pas 40 000 p² (1200 m²). Le modèle CD-1200, don't le débit est considérablement plus élevé, traitera toutes les odeurs évacuées hors des pièces dont la superficie ne dépasse pas 100 000 p² (3000 m²). Pour les odeurs particulièrement fortes, il est préférable d'utiliser le modèle ayant le débit d'air le plus élevé.

 Dans la mesure du possible, placez le générateur Uvonair à un minimum de 15 pi (5 m) de l'extrémité du conduit Dans la plupart des cas, le modèle CD-800 et modèle CD-1-1000 traitera toutes les odeurs évacuées hors des pièces dont la 5
 - 3
 - Lorsque vous utilisez un ventilteur placez toujours l'ozoneaur du côte sortie ventilateur d'échappement afin d'assurer un temps de reaction suffisant les odeurs.

4

Exigences en matière d'électriclé: Installez conformément aux normes de sécurité sur l'électricité de voire localité. Fournissez une alimentation électrique de 110 volts 60 Hz au généraleur d'ozone Uvoriair CD synchronisé avec le ventilateur. Comme mesure de sécurité. l'unité Uvoriair CD doit fonctionner en tandem avec le ventilateur. L'unité Uvoriair CD est munie d'un cordon de 6 pi (2 m) avec une prise à trois broches mise à la terre et d'un fusible de protection contre les surtensions.

- 1. Fixez les deux supports fournis au haut de l'unité à l'aide des quatre vis déjà en place. 2. Fermez le ventilateur et assurez-vous que l'unité Uvonair n'est pas branchée. 3. Pour l'installation dans un conduit de métal :
- Il sera nécessaire d'enlever une section de conduit d'environ 11,5 po (29 cm) à l'endroit où l'unite doit être installée. Consullez un technicien en ventilation pour connaître la longuer précise du conduit puisque celle ci peut varier selon l'installation du conduit existant et la possibilité de l'adapter aux fins de l'insertion du générateur Uvonair CD. Soutenez le poids de l'unité en suspendant des câbles fixes sur les supports à un crochet ou à un clou enfoncé dans les poutrelles supérieures. Procédez au réglage final après l'installation finale. a)
 - <u>a</u>
- Insérez l'unité dans les conduits existants jusqu'aux arêtes de montage et rendez l'installation hermétique en utilisant du ruban adhésif en toile ou des crampons de serrage. ΰ

- Entevez une section du conduit de 36 po (91 cm). Coupez 2 morceaux de 17 po (43 cm) du conduit flexible de 8 po (20 cm) de diamètre. Fixez-les de chaque côté du générateur Uvonair et immobilisez le réseau de gaines en le rendant hermétique à l'aide de ruban adhésif en tolle ou de crampons de serrage. Pour l'installation à l'aide d'un conduit flexible a) Enlevez une section du conduit de 36 po (9 b) Coupez 2 morceaux de 17 po (43 cm) du c. c) Fixez-les de chaque côte du générateur UM

Fonctionnement:

des odeurs. Le modèle CD-1200 produira des niveaux d'ozone très élevés lorsqu'il est réglé à «Hgh». Déterminez le niveau d'ozone requis en surveillant le niveau d'odeur de l'air évacué. Les niveaux peuvent varier au cours du cycle croissant. Les modèles Uvonair CD comportent deux réglages de débit, «High» (èlevé) et «Low» (bas) afin que vous puissiez règler le niveau Ces unités n'ont pas besoin d'entretien.

Garantie et politique de réparation: Les unités Uvonair CD sont garanties contre tout défaut de matériau et de fabrication pour une durée d'un an à partir de la date d'achat, Elles sont garanties seulement pour l'usage décrit. Conservez votre reçu d'achat aux fins de réclamation au titre de la

- Appelez le fabricant au 1 800 765-2098 pour obtenir le numéro d'autorisation de retour de marchandises ainsi que les instructions d'expédition.
 - Les produits garantis seront réparés sans frais et retournés port payé dans les 24 heures suivant la réception. Les envois doivent être prépayés et comprende le numéro d'autorisation de retour des merchandises.

Mise en garde : Ce modele est recommande aux fins d'utilisation commerciale. Lorsque les concentrations sont superieures a 0,05 ppm, l'ozone peut nuire a la sante. L'ozone comporte une demi-vie de ~ 30 minutes, il se dissipera donc et ne s'accumulera pas.

uv**O**₃nair CD

Eliminador de olores Éliminateur d'odeurs Odor Eliminator

Models/ Modelos/ Modèles

CD-800 CD-1000-1 CD-1000-2 CD-1200

Manufactured in Canada by Fabricado en Canadá por: Fabriqué au Canada par

Ozone Environmental Technologies

Woodbridge, Ontario, Canada L4L 8H11 361 Rowntree Dairy Road, Unit 4 Tel: 1-800-765-2098

Website: www.uvonair.com

UVONAIR CD

Ozone by Corona Discharge Odor Eliminator

CD - 1000-2 CD - 1200 CD - 1000-1 Models: CD - 800

Eliminador de olores

CD - 1000-2 CD - 1200 CD - 1000-1 Modelos: CD - 800

In-Duct Ozone System

Please read all instructions prior to installation. Installation considerations:

Uvonair CD ozone generators are engineered to treat odors in ventilation ducts as air is being exhausted. Model CD 800 is for installation into 8 (20 cm) ducts. Both model CD-1000s are for 10" (25 cm) ducts. Model CD-1200 is for 12" (30 cm) ducts. Duct adapters may be used for installation into other size ducts. Installing the smaller unit into larger ducts may

Under most circumstances Model CD-800 and CD-1000-1 will treat all odors being exhausted from rooms up to 20,000 cu. it. (600 m²). Model CD-1000-2 will treat all odors being exhausted from rooms up to 40,000 cu. ft. (1200 m²). Model CD-1200, with its significantly higher output, will treat all odors being exhausted from rooms up to 100,000 cu. ft. (3000 m²). For extreme odors, it is better to use the higher output unit.

Position the Uvanair generator if possible a minimum of 15 ft. (5 m) from the end of the exhaust duct to ensure adequate reaction time with adors. We recommend a minimum of 15 ft. (5m) of ductwork

When using a fan, always put the ozonator on the output side of the fan.

5. When using a fan, always put the ozonator on the output side of the fan.

Electrical requirements:

Initial in accordance to local electrical standards. Provide 110V 60Hz electrical power to the Uvonair CD ozone generator install in accordance to local electrical standards. Provide 110V 60Hz electrical power to the Uvonair CD ozone generator synchronized with the ventilation fan. As a safety reature, Uvonair CD unit must be working in landem with the ventilation synchronized with the ventilation fan. As a safety reature, Uvonair CD unit must be working in landem with the ventilation synchronized with a 5 ft. (2 m) cord with a grounded three-prong plug and a surge protection fuse, exhaust fan. Uvonair CD is equipped with a 5 ft. (2 m) cord with a grounded three-prong plug and a surge protection fuse.

Attach the two supplied support brackets to the top of the unit using the four screws already set in place Turn off the ventilation fan and ensure the Uvonair unit is not plugged in. Installation:

For installation into metal duct:

It will be recessary to remove an approximate 11.5" (29 cm) section of duct where the unit is to be installed. Consult a ventilation professional for the specific length as this may vary depending on the existing duct setup and its ability to adjust for the insertion of the Uvonair CD generator. a

Support the weight of the unit with ducthanging wire from the support bracket to a hook or nail on the joists above. Make final adjustment after final installation. â

Insert the unit into the existing ducts up to mounting ridges and make it airtight using duct tape or clamps. G

For installation using flex duct as an option: Remove a 36"(91cm) section of duct.

Cut two 17"(43cm) pieces of flex 8" (20cm) diameter duct. Attach to each side of the Uvonair generator and then secure to the ductwork making it airlight with duct tape or (C) (D) (G)

Both Uvonair CD models have High and Low output settings so you can adjust to the odor level. Model CD-1200 will produce very high levels of ozone at its high setting. Determine the ozone level required by monitoring the exhaust air for odors. Levels vary throughout the growing cycle

No maintenance is required of these units.

Warranty & Repair Policy: Uvonair CD units are warranted for one year from the time of purchase against any defects in material and manufacturing. It is warranted only for the application described. Keep your purchase receipt for warranty claim.
• Call the manufacturer at 1 800 765 2098 for the RGA# (Returned Goods Authorization Number) and shipping

Shipments must be prepaid and accompanied with the RGA#

Products qualifying for warranty will be repaired at no charge and shipped back prepaid within 24 hours of receipt

Warning: Recommended for commercial use. Ozone, in concentrations above 05 PPM, may be injurious to health. Ozone has a half-life of ~ 30 minutes, therefore it will dissipate and not accumulate

Sistema de ozono en conductos

Ozono por efecto corona

Factores a tener en cuenta en la instalación. Sirvase leer todas las instrucciones antes de la instalación.

Los generadores de ozono Uvonar CD son diseñados para tratar los olores en los conductos de ventilación a medida que se expulsa el aira. El modelo CD-800 se instala en conductos de 8° (20 cm). Ambos modelos CD-1000 por instala en conductos de 10° (25 cm). El modelo CD-1200 es para conductos de 12° (30 cm). Se puede instalar en conductos de otros lamaños con la ayuda de adaptadores. La instalación de una unidad más pequeña en conductos más grandes puede

restinging la circulación de aire.

En la mayoria de los casos, los modelos CD-803 y CD-1000-1 puede tratar lodos los olores que se expulsan de las en la mayoria de los casos, los modelos CD-803 y CD-1000-2 puede tratar lodos los olores que se expulsan habitaciones hasta de 20,000 pies cubicos (1,200 m²). El modelo CD-1200, con su capacidad considerablemente estas parables de las habitaciones nasta de 40,000 pies cúbicos (1,200 m²). El modelo CD-1200, con su capacidad considerablemente mayor, puede tratar lodos los olores de habitaciones hasta de 100,000 pies cúbicos (3,000 m²). Para olores sumannente fuertes es mejor usar la unidad de mayor capacidad.

Si se posible, utileme el generador Uvonair a una distancia mínima de 15 pies (5 m) del extremo del conducto de escape para garantizar un tiempo de casación adecuado a los olores.

Si utiliza un ventilador, ubrique siempre el generador del tado de la salida del ventilador.

4. Su ultiza un vernilador, ubrique siempre el generador del lado de la salida del ventilador.
Requisitos eléctricos:
La instalación debe realizarse seguir les normas eléctricas locales. El generador de ozono Uvonair CD debe coneclarse,
La instalación debe realizarse seguir les normas eléctrica de 110V 60Hz. Como cereclarística de seguiridad, la corriente a la unidad
sincronizado con el venidador, a corrente eléctrica de 110V 60Hz. Como cereclarística de seguiridad, la corriente a la unidad
Uvonair CD debe apagarse cuando se apaga el venidador. El generador Uvonair CD viene equipado con un cordón de 6 pies
(2 m), con un enchule de 3 pates conectado a tierra y un fusible de protección contra la sobrefensión.

Coloque las dos escuadras de soporte que vienen con la unidad en la parte superior de ésta, utilizando los cuatro tornillos

ya instalados en su lugar. Apague el ventilador y cerclórese de que la unidad Uvonair no esté conectada. Para la instalación en un conducto metálico:

8) Es necesario recortar un tramo de aproximadamente 11.5" (29 cm) del conducto en el lugar donde se va a instalar la
unidad. Consulte con un técnico en venillación sobre la longitud especifica, pues ésta puede variar, dependendo de la
unidad. Consulte conducto existente y de la posibilidad de ejustánto para poder introduciór el generador Uvonair CD.
 b) Soporte el preso de la unidad con alambre para coliquer conductos, desde un gencho o clavo en las vigas de la parte
superior al soporte. Una vez instalada, haga los ajustes necesarios.
 c) Introduzca la unidad en los conductos existentes nasta fos rebordes de montaje y selle neméticamente con cinta.

adhesiva para conductos o con abrazaderas. Instalación opcional utilizando conductos llexibles:

Recorte un tramo de 36° (91 cm) del conducto. Corte dos prezas de 17° (43 cm) de conducto flexible de 8° (20 cm) de diámetro. Colóquetos a cada lado del generador Uvonair y luego asegurelos al sistema de conductos y selle herméticamente con 660

cinta adhesiva para conductos o con abrazaderas

Funcionamiento. Modelos Uvonair CD tienen graduaciones de salida alta y baja de manera que puede graduarlas según el nivel de los olor modelo CD-1200 produce, en la graduación más elevada, niveles muy altos de ozóno. Para determinar el nivel de ozono necesario controle el nivel de olores del aira de escrape. Este puede variar durante el ciclo creciente.

Ш

Estas unidades no requieren de servicio de mantenimiento

Garantia y política sobre reparaciones.

La unidades Uvonair CD lienen una garantía de un año, desde la fecha de compra, contra defectos de material y de fabricación. La garantía soto es válida para el uso descrito. Conserve el comprobante de compra para efectos de las reclamaciones de

Llame al fabricante al 1 890 785 2088 para solicitar el número RGA (número de autorización para la devolución de garantia

Los aparatos cuya reparación este cubienta por la garantía, serán reparados sin cargo y devueltos con el flete pagado dentro de las 24 foras de habertos recibido. mercancias) e instrucciones para el envío. Los envios deben ser con flete pagado y deben incluir el número RGA.

ADVERTENCIA Se recomiends para usos comerciales. El ozono, en concentraciones superiores a las .05 PPM, pudiera ser dañino para la Se recomiends para usos comerciales. El ozono, en concentraciones superiores a larga a acumular. salud. El ozono tene una vida media de ~ 30 minutas, en consecuencia se disipará y nunca se llega a acumular. Nunca mire la luz directamente. Una exposición prolongada a la luz U.V. puede causar daños a los ojos.





Max-FanTM Series

Group Inc.

The Max Fan Saves Energy! -Extremely energy Efficient!

Housing!

design

-Lower Lifetime Cost!

Save on shipping costs! The Max-Fan Is Quiet! The Max-Fan Saves Space!

-Small Airtight

William State State Con-

-Very High Aerodynamic Efficiency!

-Cost of Energy is 70-90% of life time cost!

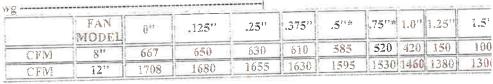
-Easy Installation! -Light Weight & Compact

-Optimized Mixed Flow is quieter than other fans of the same size?

FAN MODEL	CFM	RPM	MAX WATTS	MAX AMPS.	SONES	DIA.	LENGTH	DESIGN.	HOUSING	OUTL
8"		3250		1.5		811	8 7/811	Mixed Flow	Plastic	811
12"	1708	3374	489	4.1		12"	12 1/8"	Mixed Flow	Gaivanized	121









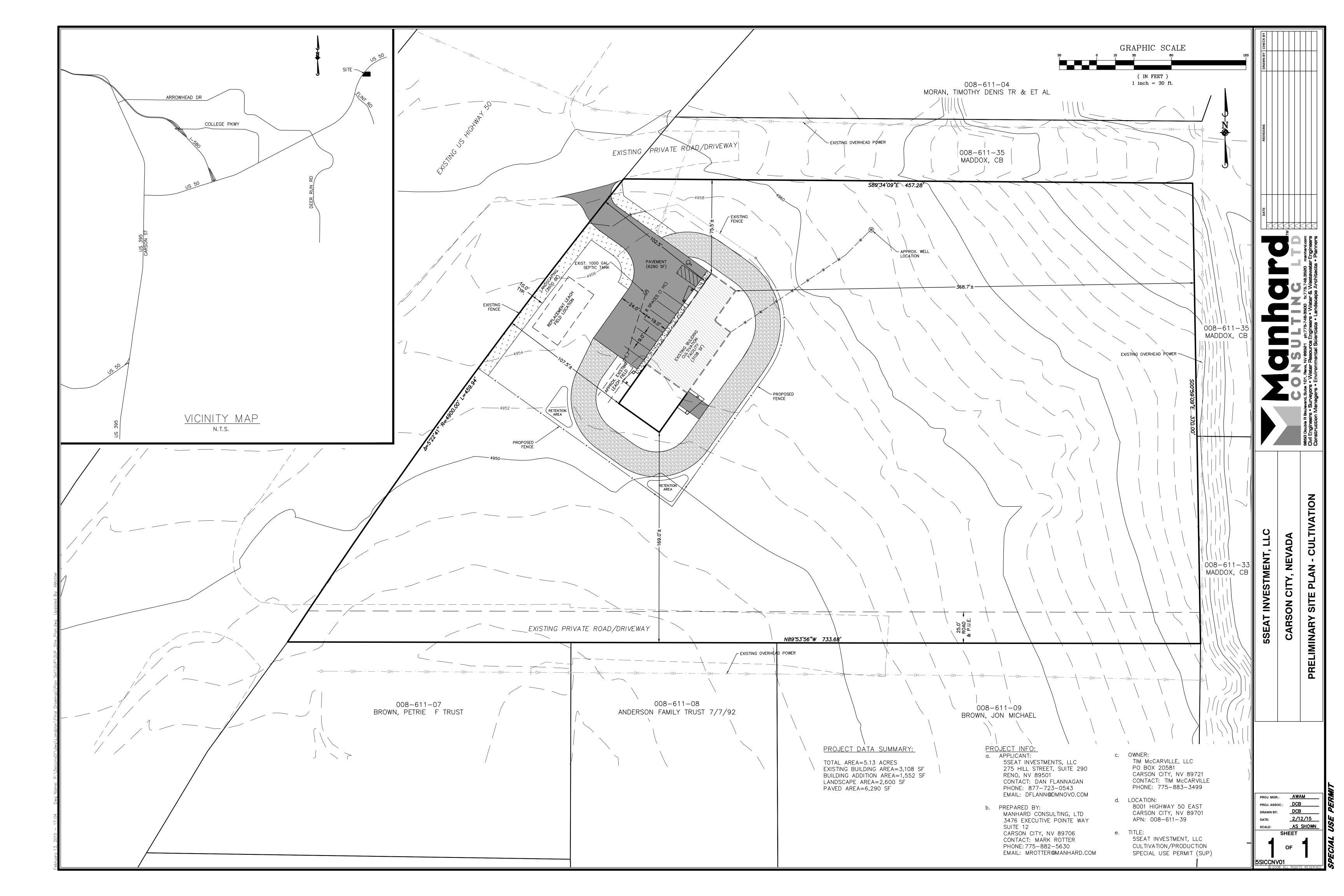
To Speed control the 12" Max Fan the Can Trol is required to avoid growling and overheati All fans should not be reduced more than 50% as this results in the fans overheating.

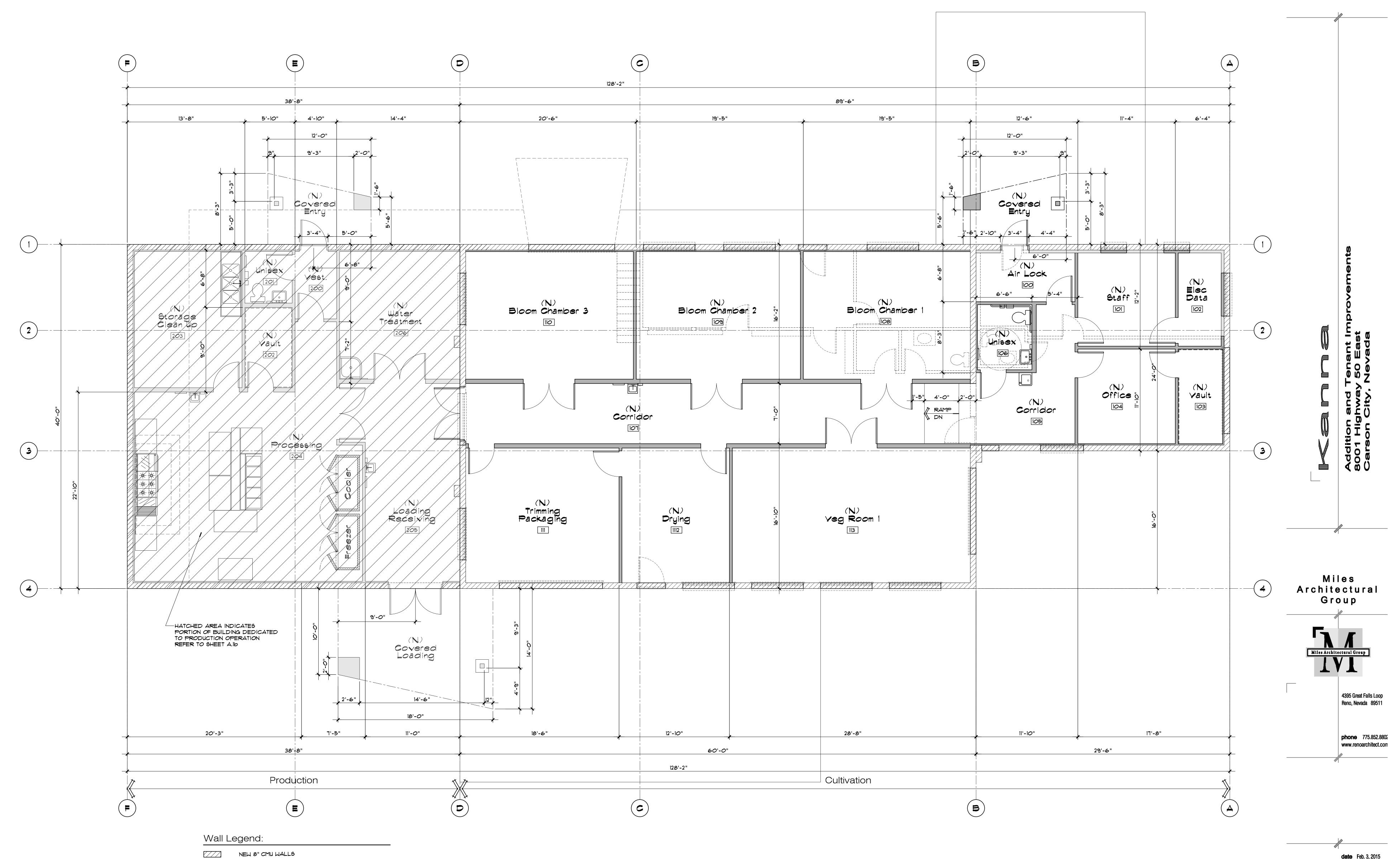
Performance certified is for installation type D - Ducted inter. Ducted outlet Performance rotings do not include the effects of appurrenances (accessomes)

The sound ratings shown are for loudness values in spherical sones at 5ft. (1.5m) in a spherical free field culculated per Annex B of AMCA 311. Values shown are for installation Type D: Duc inlet spherical sone levels. Ratings do not include the effect of duct end correction. All sone valu shown are calculated at 0.1" Static Pressure in inches W.G.).

* Speed (RPM) shown is nominal. Performance is based on actual speed of test.







New Floor Plan - Cultivation

1/4"=1'-0"

3108 s.f. Existing 1552 s.f. New

NEW METAL STUD WALLS

EXISTING 8" CMU WALLS TO REMAIN

EXISTING FRAMED WALLS OR FURRING TO REMAIN

EXISTING WALLS OR PORTIONS OF EXISTING WALLS TO BE REMOVED: COORDINATE WITH STRUCTURAL DRAWINGS, TYPICAL

date Feb. 3, 2015 **job no.** 854

A.1a

3/16"=1'-0"

A.2a

Miles

Architectural

Group

4395 Great Falls Loop Reno, Nevada 89511

phone 775.852.8802 www.renoarchitect.com