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

FILE NO.: SUP-15-013 AGENDA ITEM: F-4(B)

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 Production Facility on property zoned General Industrial (GI), located at 8001 Highway 50 East, APN 008-611-39.

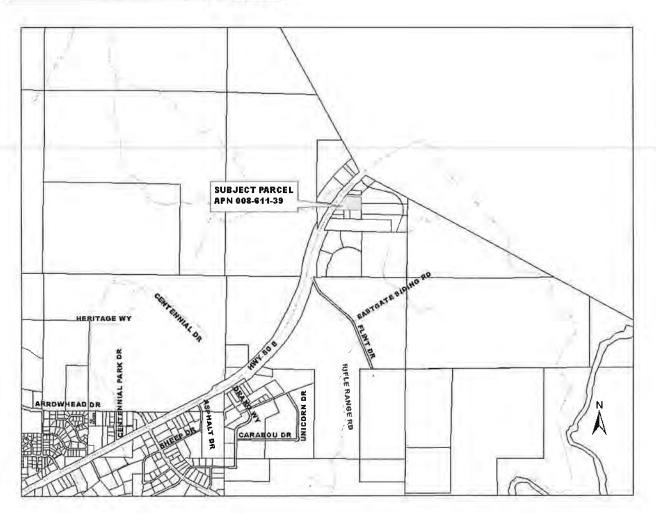
APPLICANT: 5SEAT Investments, LLC

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 Production 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 production 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 production 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 production facility.
- The applicant shall provide parking lot lighting consistent with Carson City Development Standards.
- 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.
- 19. The project will need to comply with the 2012 International Fire Code and the 2012 International WUI Code, with Northern NV Amendments.
- 20. 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.
- 21. 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.
- 22. 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.
- 23. 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.
- 24. Effluent from the production 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).
- 25. Effluent from the production 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.
- 26. If chemicals are to be used as part of the production process secondary containment will need to be provided for these chemicals per CCMC 12.06.248.

- 27. Please provide Safety Data Sheets for all chemicals or fertilizers that will be used at this facility.
- The facility will need to meet all applicable codes found in Title 12.06, 12.2.065 and Appendix 18 Division 15 of CCMC and all applicable codes found in the 2012 Uniform Plumbing Code (UPC).

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

- 29. The Special Use Permit for this Medical Marijuana production 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.
- 30. All production 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.
- 31. 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.
- 32. No consumption of medical marijuana or medical marijuana-infused products shall occur on the premises of this production facility, including the parking lot and surrounding area.
- 33. The sale of medical marijuana products to the general public from this facility is prohibited.
- 34. Outdoor display and sales of medical marijuana merchandise is prohibited.
- 35. Medical marijuana products shall not be visible from outside the production facility at any time.
- 36. 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 Production 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
- PROPOSED ADDITION TO STRUCTURE: 1,552 square feet
- EXISTING PARKING: Estimated at 7 spaces
- SETBACKS:

	Front	Side	Street Side	Rear
Required	30 feet	0	N/A	0 feet
Proposed	107.5 feet	169 feet	N/A	368.7 feet

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 production 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 production facility in a planned 1,552 square foot expansion to the 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 cultivation facility in the existing portion of the subject building. This cultivation facility permit is scheduled to be heard on the same agenda as this item. The production facility will use cuttings, clippings and miscellaneous cannabis plant material to create a concentrated resin that will be encapsulated for distribution. At this time, the applicant does not plan to manufacture other products including edibles and topicals at this location and will limit production to the capsule form of product. The production facility will consist of a processing area, a water treatment area, a storage/clean up room, a loading and receiving area and a vault as shown on the floorplans included in the application. 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 production 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 production 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 production facility are proposed to be conducted inside an existing permanent building. Production 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 production 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 production facility.

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

A condition of approval has been recommended that the production 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 production 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) Production Facilities. One space per 500 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 production 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 production 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 production 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 production facilities.

c. Drive-through service is prohibited.

Not applicable to medical marijuana production 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 production facilities.

- 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 production facilities.

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

Not applicable to medical marijuana production facilities.

Staff finds that the proposed production 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-15-013 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.
- 2. 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:

The project will need to comply with the 2012 International Fire Code and the 2012 International WUI Code, with Northern Nevada Amendments.

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 production 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 production 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 are to be used as part of the production 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. The facility will need to meet all applicable codes found in Title 12.06, 12.2.065 and Appendix 18 Division 15 of CCMC and all applicable codes found in the 2012 Uniform Plumbing Code (UPC).

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 production facility meets the Master Plan goal of promoting a variety of industrial specializations. The proposed production 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 production 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 production 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 production 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 production 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 production 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.

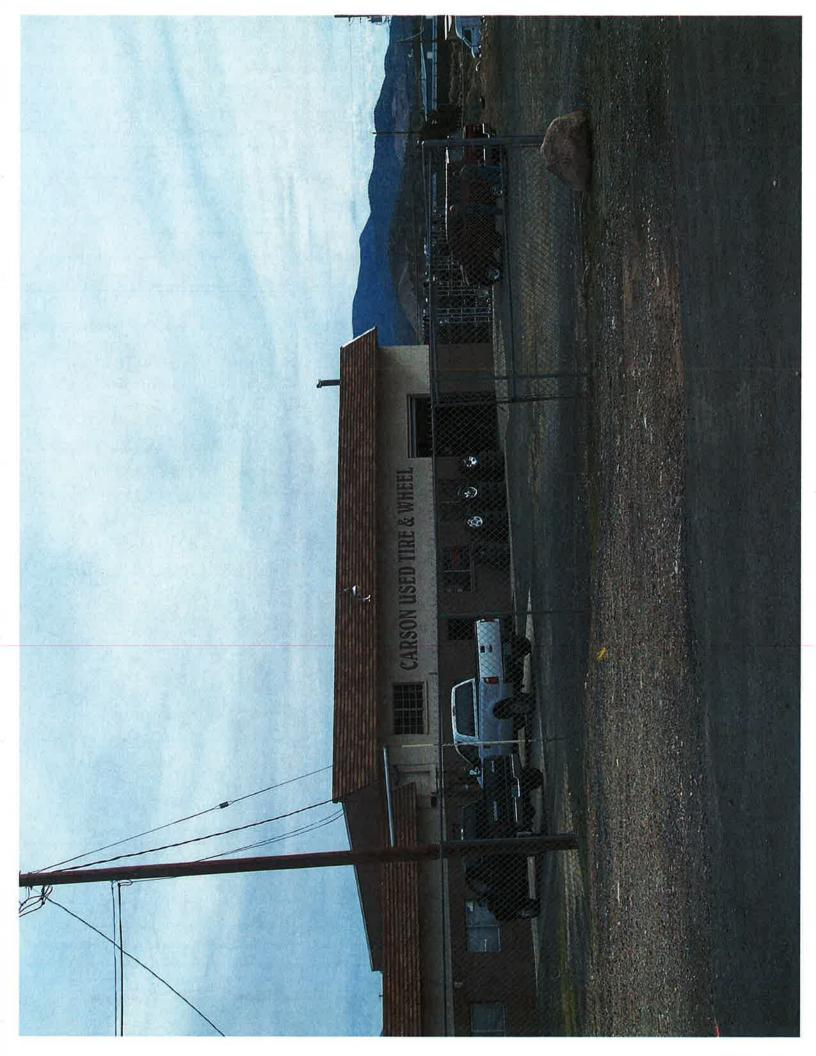
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The production facility is proposed in an existing building within the General Industrial zoning district. The operation will not be accessible by the public and is intended to be inconspicuous and unobtrusive as all operations will be conducted inside.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

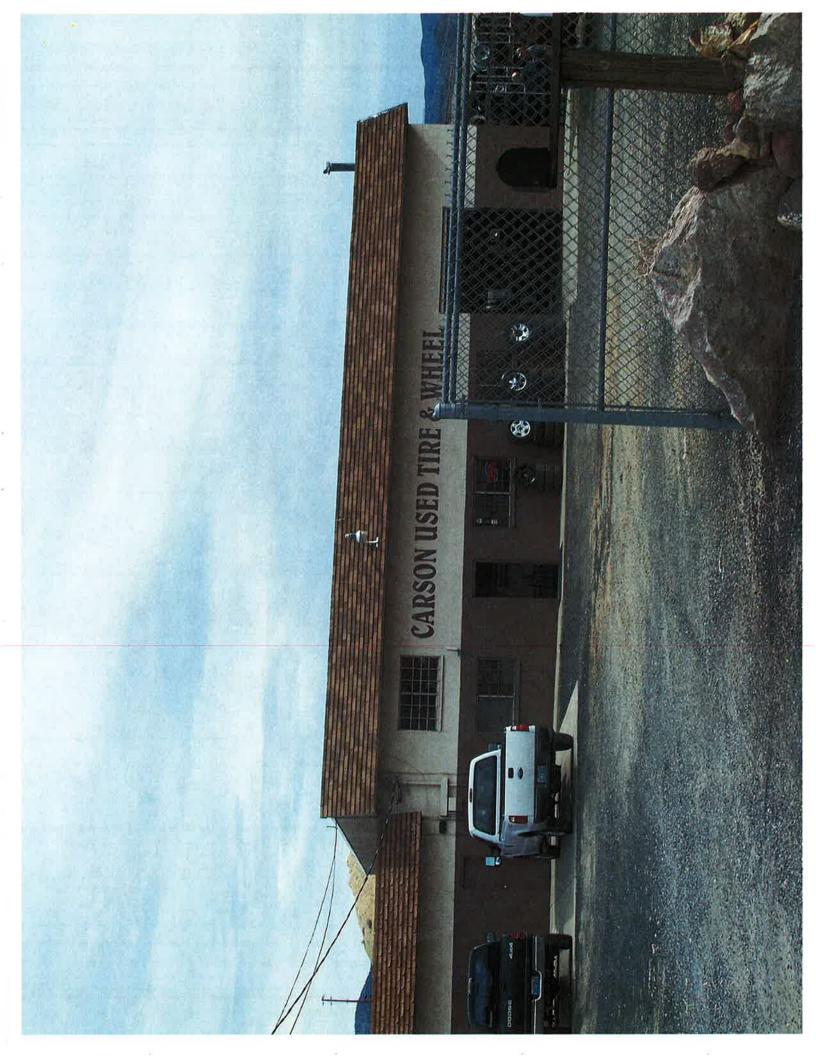
Attachments:

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-15-013)









February 24, 2015

Susan, see below for comments on # SUP-15-013 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.

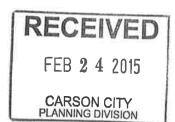
Thanks.

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 February 24, 2015

Comments for SUP 15-013



1. The project will need to comply with the 2012 International Fire Code and the 2012 International WUI Code, with Northern NV Amendments.

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 15-013

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 production 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

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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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March 3, 2015

Major Project Review Committee

Re: # SUP 15-013

Dear Kathe,

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 15-013 located at 8001 Hwy 50 East project:

- Effluent from Production processes 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 Production processes 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 are to be used as part of the production 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 that will be used at this facility.
- 5. Facility will need to meet all applicable codes found in Title 12.06, 12.2.065 and Appendix 18 Division 15 of the Carson City Municipal Code (CCMC) and all applicable codes found in the 2012 Uniform Plumbing Code (UPC).
- 6. Facility will need to meet all applicable codes found in Title 12.06, 12.12.065 Appendix 18 Division 15 of the Carson City Municipal Code (CCMC) and all applicable codes found in the 2012 Uniform Plumbing Code (UPC).

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

Susan Dorr-Pansky, AICP

February 20, 2015

Planning Manager

108 East Proctor Street Carson City, NV 89701

Re:

SUP-15-012 & SUP-15-013

RECEIVED

FEB 2 0 2015

CARSON CITY PLANNING DIVISION

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.

3. 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-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 nontoxic 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 CO₂ extracts during extract production ensures consistency and quality throughout the manufacturing process and ensures a safe and desirable end product. The nature of CO₂ 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
- · Poems
- About
- · BCBS
- Events



SUPERGRAPHICAL

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



Apoks Superentical's 2000psi systems are designed to provide subcritical—and supercritical CO2 botained oil extractions with low overall power consumption in a compact design. All 2000psi systems come equipped with our energy efficient, 220 v single phase diaphragm pumping system.

Our fully automated 2000psi systems utilize our patent pending adveto a formation a resourcing to provide reliable and consistent operation

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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 30% faster compared to our older 1500ps; system extraction times
- Ambient Noise Reduction. New recirculation technology eliminates the need for a costly commercial compressed air system, which can reduce ambient noise levels up to 75%.
- Waste Heat Elimination Motor driven system completely eliminates the waste heat that is produced by compressed air drive systems. This reduces facility air conditioning loads and eliminates the need for discover's to manage the waste heat.
- Reduced Power Consumption Improved recirculation technology reduces overall power required for the system as much as 50%. Regenerative heat exchangers are employed to manage thermal byproduces and eliminate the need for multiple heaters and chillers.
- 95% CO2 Gas Recovery Gascous CO2 pumping technology allows for 95% CO2 recovery which minimizes operational costs and improves worker safety
- Power Friendly—Commonly available single phase 220V electricity is required for the system. No need to search for a facility with 5 phase power.
- Less Complexity and Maintenance New recirculation technology has significantly fewer moving parts improving reliability and reducing maintenance costs by as much as 80° c.
- Smaller Footprint Overall space required for the system has been reduced by 25%
- Fully Automated All Apeks Supercritical systems are fully automated which allows for safe consistent 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 Engineering Peer Review which has approved by the Washington State LCB, the Colorado MED and multiple Fire Departments!

System Features:

- Single or dual 5L and 20L extraction vessel options
- Simple to operate no complicated control systems or computer interfaces
- Internet Messaging real time email/text notification of system condition changes
- Sale—All vessels are designed and manufactured in accordance with ASME specifications and pressure ratings. Redundant safety features protect the system from accidental overpressurization. Tubing connections are made with proven compression fitting technology—the same fittings are used on arteral and off-shore oil platforms. Non-isolable pressure gages are on each pressure containing vessel for visual verification of depressurization prior to opening.
- Environmentally Friendly System recirculates CO2 during extraction and allows for recovery of CO2 after extraction is complete.
- Easy to clean All standers steel construction. Vessels have polished interiors and quick opening closing mechanisms. All tubing can be removed and re-assembled for thorough cleaning.
 Separators/collection vessels use FDA sanitary fitting and connections.
- Reliable ~ VET (Valveless Expansion Technology) no constrictions or regulating valves to cause clogging of the system and loss of production time.
- · Efficient Regenerative heat transfer significantly reduces overall energy consumption. Jacketed vessels and water recirculation allow for capture and transfer of heat through extraction cycle.
- Effective—Extraction media is contained in extraction vessel with integral filters—Filters also act as a liquid CO2 dispersant to avoid channeling in the product. Reversible flow through the extractor
- 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 visual indication of valve positions allows for easy assessment of flow paths and system configuration. No mysterious boxes with inlet and outlet connections as the outside.
- · Modular additional extraction vessels can be added to the system with no welding required
- Small footpeint systems are designed to minimize space requirements all operations occur from the front of the system
- · Production friendly integral weighing scale and system timer help users efficiently run their extractions

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System Specifications:

Click here for the P&ID diagram

Extraction Vessel

- Multiple vessel configurations available 5 liter, 20 liter, two 5 liter, or two 20 liter vessels
- Volume
 - 5L vessel holds up to 3 pounds of dry ground material
 - 20L vessel holds up to 12 pounds of dry, ground material
 - NOTE vessel does not need to be full in order to perform an extraction
- Pressure maximum pressure 2000 psi (137 lar)
- * Temperature max 160F (71C)
- Materials 304 stainless seed. Vessel interior is polished to food grade level.
- Closures Hammer Union (commonly used in oil and gas industry for temporary piping), top with integral hinge
- · Sealing mechanism self-energized o-ring seals, Buna-90 material
- Filter integral filters on closure heads [20 micron standard] other sizes available
- · Temperature measurement internal K type thermocouple senses actual extraction temperature
- Jacket volume 20L vessel 18 Liters (4 8 gallon) 51, vessel (1.5 Liters (1.2 gallon))
- · Safety non-isolable spring loaded safety relief valve prevents accidental over-pressurization
- Addition of a second Extraction Vessel can be used to double system capacity

CO2 Recirculation Pump

- . Flowrate 15 CFM gas flow
- · Construction hydraulically actuated diaphragm
- · Materials all wetted parts are 316 stainless steel
- · Filter coalescing filter on inlet to minimize oil introduction
- Safety non-isolable spring loaded safety relief valve prevents accidental over-pressurization

Separators

- 2 separators standard on each unit. Larger collection cup on 1st separator available.
- Volume Separator 1 = 51. Separator 2 = 2.51 iters
- Pressure Maximum pressure = 500 psi (41 bar)
- Temperature up to 160F (71C)
- Materials 304 stainless steet
- Closures -- FDA sanitary style holted
- Sealing mechanism—sanitary gasket, cured silicone
- Safety non-isolable spring loaded safety relief valve prevents accidental over-pressurization

Separation Mechanism

* <u>Interest Emperature Lecturines 17 CL</u>

The path from extractor to 1st separator is continuous diameter with no constructions. Separation occurs in 1st separator utilizing contribugal separation and depressurization.

Heat Exchanger

- · Construction tube in tube style
- · Materials 304 stainless steel
- · Conling/Heating media water

Chiller/Heater

- Recurculating chiller/heater
- Temperature range -10C to 70C (14F to 158F)

Dimensional Information

- 51 vessel configurations
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 - · Continue and Decorate of the section
 - Chick here for the alternate LOCATD fourth
- 20L vessel configurations

- · They here to the abernate 26(6) 20149 for aprint

- 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 shut down system to prevent accidental over-pressurration
- · Optional Data acquisition

User Supplied System Requirements

- Extractor Flectrical 115V AC, 60 hz, 15A
- F Chiller/Heater Electrical 220V AC, 1 phase, 60 hz, 15A Plug is NEMA 6-15R
- CO2 Gaseous CO2 (no dip tube), food grade or better. No regulator needed.
- Diaphragm Pump Electrical- 220V_i i phase_i 50A service. Plug is NEMA 6-50R.

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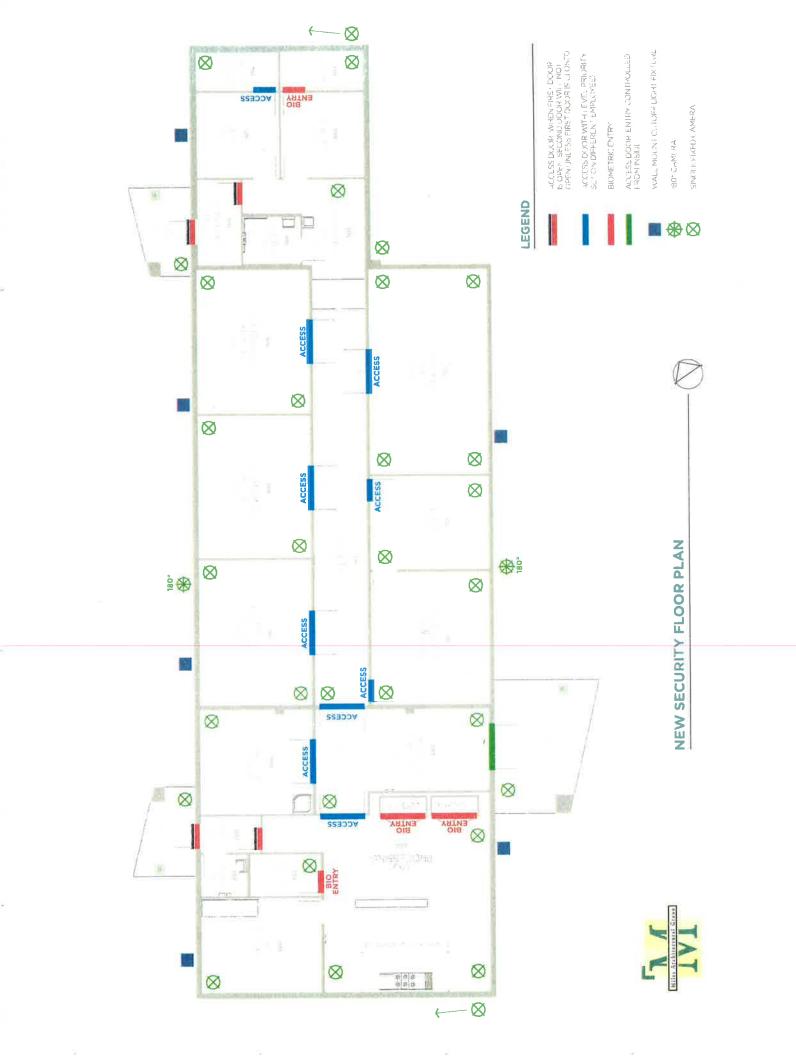


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Tags





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 Tj for long life and low lumen depreciation
- Low starting temperature: -30C
- IC controlled LED circuits
- 3 year system warranty

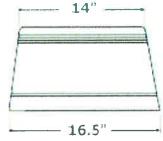
Wall Mount

Trapezoid Cut-off Series





7.1" 9.3"



DISTRIBUTION



Average Beam Angle(50%) 108.0

LED POWERED BY:







Models:

VVD31115FR: 15 LEDS - 40W - 2752 Lm - 700mA

VVD31130FR: 30 LEDS - 77W - 5036 Lm - 700mA

Ordering:

Part #

Color Temp

Voltage

VVD31115FR VVD31130FR

N - Natural - 4700K

UNV - 100-277V

Ordering Example: VVD31115FR-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





























USA Corporate Headquarters: United Kingdom/Europe Flong Kong Asia Pacific





exacq\/ISIOn_A-Series

IP Camera Servers
IP Cameras and Encoders

exacqVision 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 4U 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 desktop 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 SSA 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	20	40	Desktop				
Maximum IP Cameras	Expandable up	to 64 cameras per server (data rate					
ncluded IP Licenses	4	4	4				
Server	20	4U					
Pre-Loaded VMS Software	exacqVision Professio	nal (standard), exacqVision Enterpri	se Server (optional)				
Typical Video Storage Rate (Mbps)	300Mbps (Windows). 450Mbps (Linux)	350Mbps (Windows), 550 Mbps (Linux)	250Mops (Windows), 300Mbps (Linux)				
ocal Client Display Rate (FPS)		750 (Windows, Standard/Optional C 1/500 (Linux, Standard / Optional CF					
Maximum Hard Drives	3	8	2				
Maximum Storage	12 TB	32 TB	8 TB				
Monitor Output	1 DVI-1, 1 DVI-D,	1 Display Port, maximum 2 simultar	neous monitors				
Operating System	Windows 7 64 or	t, Windows 2008 R2 (Optional). Ubu	ntu I inux 10,04				
Operating System Drive	32 GB 35D	(Linux), HD (Windows), 64 GB SSD (Optional)				
Processor	Ger 3 h	ntel i3 (standard), Intel Core i5 or i	7 (oetional)				
RAM		4 GB (standard), 8 GB (optional)					
NIC		2 (standard), 4 optional)					
USB Ports		5 x USB 2 0 2 x USB 3.0					
BVD CD RW		Included					
Ser al Connection	N/A	N/A	N/A				
Audio Outputs	The state of the s	T	1				
Keyboard & Mouse	Included						
General	2U	4U					
Dimensions (lxwxh)	21.25 x 16.75 x 3.5 in 54.7 x 42.6 x 8.9 cm	28 x 16.75 x 7 in 71.2 x 42.6 x 17.8 cm	15,675 x 13 x 5,375 in 39 7 x 33,1 x 14,6 in				
Weignt	27 - 31 lbs 12.3 - 14 1 kg	44 - 60 lbs 20 - 27.3 kg	:35 22 l bs 8,4 - 10 kg				
Regulatory		CE (Class A), FCC (Class A), UL Listed	ł				
inout Voltage		120, 240 VAC auto-sensing					
Power Supplies	5 ingle	Single (Dua) Optional)	Single				
Power & Heat	160 Warts/540 BTU/h (Max) 110 Watts/370 BTU/h (Typical)	240 Watts/790 BTU/n (Max) 140 Watts/470 BTU/h (Typical)	50 Watts/500 BTU/h (Max) -110 Watts/370 BTU/h (Typica				
Operating Temperature		40 - 95 F14.5 - 35 C					
Server Revision	51	G1	H1				
Compatible Client Operating System	Window	s 7, vista, XP, Server 2003/2008 32-b Linux (Ubuntu) Mac OS X	it or é bit 🥕 🔬 📫 Mac				

All part numbers can be found in the product catalog at: https://exacq.com/catalog/ Specifications subject to change. Visit www.exacq.com for the most current product specifications.



exacqVision

VMS Software Solutions Overview (1987)

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	Free Windows, Linux & Mac Clients	2	2	Z
	Browser-Based Viewing of Live/Stored Events	Z	I	Z
	Compatible with Free Exacq Mobile App	R	Ø	:4)
	EasyConnect Auto-Detrect/Connect to Compatible IP Cameras	3	2	2
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	Soft Triggers	20	a	<u> </u>
	Time-Lapse Recording		2	Ø
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	Smart Search		E E	21
	Email Notification for System Health Events		61	3
	exacylision Surveillance Reyboard Support		©	2
	USM fastorer			7
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Try exacqVision Now!
Connect to during a server of install the server of twine to your own computer and it comerns with a full-featured tree into the body. By the skacqvision with browner ellert as the free Ekacq Mobile app.

www.exacq.com/tryexacqvision

Accessories



Enterprise System Manager (ESM)

Masimize the aptima of your tracovision Entgrance. recorder with ESM Access via



USB I/O Module

Alto conhousable moger inputsubpliffs level server connections (o expand year surveidance system.



Surveillance Keyboard

Pre-configured for quick, yasy metallation and elicanical control of the and recorded a tied from the exacqVision client.



Exacq Mobile

Free upp provides high a recorded water from multiple system. IOS Androad Windows Papine at



e tacqVision exacqVision

exacqVision Edge/Edge+

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exacqVision Virtual

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exacq\/isions



E-Series Encoders

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EXACC VISION Server & Handware Cheatsheet

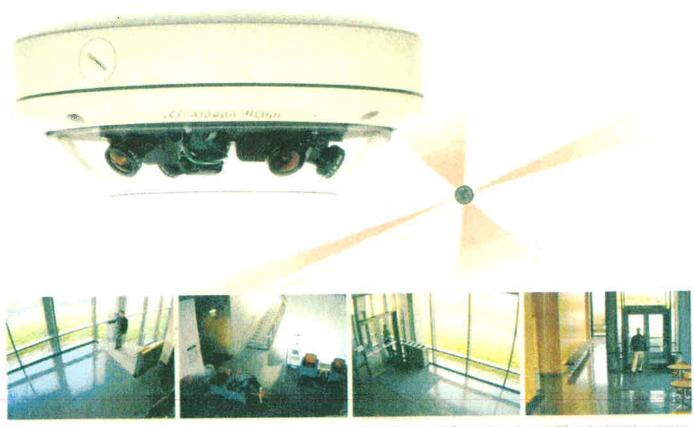
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Leading the Way in Megapixel Video

SurroundVideo® Omni Megapixel IP Cameras

12MP WDR or 20MP H.264 Ail-in-One Omni-Directional User-Configurable Multi-Sensor Day/Night Indoor/Outdoor Dome IP Cameras



Example projection 12MB (Control Control MDS and Ideas (Anti-SM) and Ideas (Anti-SM)

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

The wordy in districtory tradeling intercents to be Subcontrol Exercised Onto the districts multiple regions of intercent research in the residence of the subcontrol of the control of the subcontrol of the subc

A unique track design allows for molecular school similar sinitials to be incorporatively described with configuration. Popular uses of Supplicative programs of the rates, let to recent description constraints on to

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Omni-Directional Track with 4 Customizable Sensors



270 FOV



vide Dynamic Range on 12MP Models



True Day/Night



Pixel Binning Morio



Duni E



Ultra Low Pro



Impact / Weather Resistant IK-10 and IP66 Rated

SurroundVideo Omni



Highlighted Features:

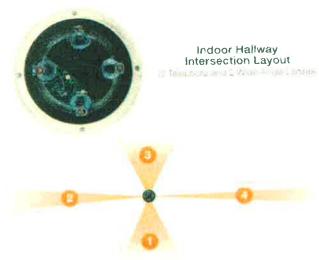
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- ums Decrete Low-Profile Housing
- Complete Mounting Gill tions
- Outdoor Rated Pick and IK-10 Impact Resistant Housing

Surround Video Omni Versatility

The Surround Video. Canni can reduce multiple single sensor comisses. One exercise of this is a hallway intersection where the ability to choose different

Another great example or the versatility of the authority seed Charles the carner layout. Configuring the camera is 6 sensors in the corner layout will provide a seamest 270" retaint you by wall as a new lonking directly bests will enough the pest possible mags qualify and pixel density. underneam the certery. No other severa can broken this level of coverage the a bulk way for that









Reduce the Number of Cameras to Improve Coverage and Simplify Installation

Area as Vision megapital reproperty delivery suberior mode dealth, and reduces overall system costs by curreng larger areas with fewer cameras

An area typically requiring multiple pain tilt zoom (PTZ) cameras or multiple liver cameras can ne covered with coangle SurroundVideo* Qinn. multi-sensor cumora. SurroundVideo" Omral delivers comprehensive coverage and forensic detail. It is user-configurable to achieve maximum coverage in the desirest areas of nierest. As a result. Surround/video. Owni eliminates the propensity of a PTZ to be facing the wrong way when an incident occurs.

SurroundVideo® Omni Megapixel IP Cameras

Accessory Configurations



Ceiling Mount

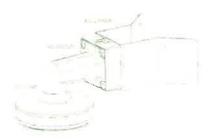


Wall Mount



Pole Mount

Surface Mount (Standard)



Corner Mount

Accessories



AV-PMA



SV-EBA









Los Arigeles, CA, USA

Some of the property of the series

Support great saturables above in

Latin America

SOUTH

Moscow, Russia

Lens Options

Middle East

Small transfer switchest control of

ACAL:

China

THE PROPERTY OF THE PROPERTY O



MegaDynamic Wide Dynamic Range (WDR)

The Y2MP SurroundVicto. Comit carriers produces clear triages in extremely challenging lighting conditions. Arecont Vision's VOVI technology delivers a Expansic range of unito mouto at full resolution winding lowering have rates. WOR in-comites the amount of detail in both origin and think areas of a scena. The WOR performance of the Sing univideo. Only magapinel carrier areas ents an up to 50 IB migrowishest. This work is a surround to not WOR santeras.









From Microscopii Integralismoscopii Microscopii Robert Robert in 1881 Special News

Enhanced Low Light Performance

As part of their superior Day/Night operation, Surround/rised* Omnicameras include low light enhancing technology with a machanical IR (intraved) out filter, pixel orining and adaptive noise-cancellation. Day/Night capability automatically switches from noint to black/white operation to increase isensitivity and visage clarity at night or in unlift spaces.









Four Mepasikal Image Semant with Night Mode Name of TS To the Wile

H 264 Decompression (example)





Compliant H.264 Compression by Arecont Vision

Surround/idea Commissionalism movementation of High ellows full trains rates and full resolution without saunticing mage doubly. With by rate control, the CPU load of the NVR or VMS seniors is decreased at coin the client (decompression) side and the senior styrage side. This allows lower bandwighth and storage relative to NUPSQ. Real Time Streaming Protocol RTSPI allows for comparisity with Applie DuckTime 1, vol. 3 and other matter dispers.

Model Comparison

Model	Sensor	Full Resolution	Max Frame Rate 9 Full Resolution	Minimum Humination	Lans	H264/ MUPEG	Day/ Night	WDR	Binning Mode
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Options

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-28	puring a fact the community of social to heavy in a lower May Consequence
-08	Control of the second second





DS-2CD2112-I

1.3MP Outdoor Dome Camera

Specifications



Available models

Weight

DS-2CD2112-I (1.3MP)





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







DS-1258ZJ

OS-1272ZJ-110B

OS-1280Z.FDM18



DS-2CD2132-I

3MP IR Fixed Focal Dome Camera

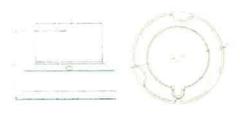




Key features

- · 3 megapixel (2048 x 1536) resolution
- · Full HD1080p real-time video
- 3D DNR & DWDR & BLC
- · IR LEDs up to 30m
- · IP66
- · PoE
- Vandal-proof

Dimensions



	DS-200213231
Calliero	是1000mm (1000mm) (10
Image sensor	1/3" progressive scan CMOS
Min_illumination	0, 19 lux@F2,0 AGC on 0 lux with IR
Shutter time	1/30s ~ 1/100.000s
Lens	4mm @F2 0, angle of view 75 8 (2.8mm, 6mm, 12mm cotional)
Lens mount	M12
Angle adjustment	Pan 0 - 355 till 0 - 65
Digital noise reduction	3D DNR
Wide dynamic range	Digital WDR
Day & night	True
Compression standard	
Video compression	H.264 / MJPEG
H 264 codec profile	Mae: profile
Bit rate	32 Kinps ~ 16 Mbps
Dual stream	Yes
The State of the S	
Max, image resolution	2048 × 1536
Frame rate	60Hz: 15fps (2048 x 1536), 30fps (1920 x 1080),30fps (1280 c 720)
Image settings	Saturation originaless contrast adjustable through prient software or web prowser
BLC	Yes zone configurable
	MANAGER STATE OF THE STATE OF T
Network storage	NAS
Alarm migger	Monor detection tempering alarm
Pratocols	TOPIP HTTP DHOP DNS DDNS RTP. HTSP PPPIE SMTP NTP SNMP HTTPS, FTP 802 to 2018
System compatibility	ONVIF, PSIA CGI
General functionalities	User authentication, watermark
Method	
Communication interface	1 RJ45 IOM / IGOM athemet cort
Country	法有关的 · Land And And And And And And And And And A
Operating conditions	-30°C - 60°C (-22°F - 140°F) humidity 95% or less (non-condensing)
Power supply	12 VDC ± 10% PoE (802.3af)
Power consumption	Max. 5W ,7W with (CR on)
Impact protection	IEC60066-275Eh .507, EN50102 up to IKT0
Ingress protection	IP86 / (K tő
3 K. 1	

approx 10 to 30 meters Φ 111 x 82 mm

500g (1 1 lbs)

Available models

DS-2CD2132-I

IR range

Dimensions Weight

Accessories



DS-1258ZJ

Wall Mount Plastic Bracket DS-1280ZJ-DM18 Conduit Base for

21x2 Dome Cameras

1

280ZJ-DM18 DS-1270ZJ-110

Pendant Cap for 21x2 Dome (thread adapters included)

107

DS-1272ZJ-110B

Wall mount with junction box for 21x2 dome

Honeywell

VISTA-20P

VISTA® CONTROL PANEL



The high capacity, feature-rich VISTA-20P lets you deliver more value to your customers on each and every sale with up to 48 zones of protection. Internet uploading/downloading, 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 premises without TELCO lines. The panel's installation advantages, innovative end-user benefits and robust system capacity make the value-priced VISTA-20P an ideal choice for higher end installations.

FEATURES

- IP alarm reporting and upleading/ downloading capability for internet and intranet use via GSMV4G, 7845-ENT, GSMV4G or GSMX4G
- Supports four graphic touchscreen keypaus
- Wireless keys can be programmed without using zones
- Eight on-board nardwired zones standard (15 when Zone Doubling feature is used)
- 40 hardwire expansion zones
- 40 wireless expansion zones
- Two low current on-locard 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 and/or wireless expansion modules
- Two independent partitions plus a common partition
 - Global Arming from any system keypad
- Go to function to view or operate one partition from the other
- Separate partition account numbers

- 16 output devices
- Relays (Model 4204 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 two-wire smokes
- 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
- Flashes 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 bell

Security Dealer Features

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

- Dynamic Signaling
 - Reduces redundant reporting to the central station when multiple reporting methods are used: i.e. digital dialer and AlarmNet radio

Valuable End-user Features

- Viewable on system keypads:
 - Exit countdown
- Time and date display*
- Event log*
- · Auto keypari packlighting on entry
- Keyswitch arming
- Programmable macro buttons and single-button arming
- Supports a variety of wireless remote controls for single-button operation
- User Scheduling
- Latchkey reports to pagers
- Auto arm/disarm
- "User access" time windows
- VIP Module allows system control from any touchtone phone
- · Chime by zone
- Fully compatible with Honeywell Total Connect "Remote Services

'Requires custom alpha keypad

VISTA-20P

VISTA® CONTROL PANEL

SPECIFICATIONS

Electrical

- Aux. power 12VDC; 600mA maximum
- Seven hour standby at 400mA aux, load with four amp hour battery
- 16.5VAC/25VA transformer
- Alarm output 12VDC, 2.0 amps max.
 For UL installations, combined aux, and alarm output cannot exceed 700mA

Output Control

- Supports up to four relay boards (up to 16 relays)
- Optional X-10 transformer/interface ipart no. 4300) may be used to control up to 16 X-10 receiving devices

Zones

- Eight hardwired zones (15 with zone doubling)
- Selectable response 10/msec 350/msec 750/msec
- · Assignable to any partition
- 20 selectable zone types plus four configurable zone types
- Programmable swinger suppression

Expansion Devices

- 4219 Eight hardwired zones 16mA
- 4204 Up to four relays 15rrA standby (each active relay draws an additional 40rrA)
- 4229 Eight hardwired zones and two relays – 36mA (each active relay draws an additional 40mA)

Accessories

- iGSMV4G Internet and Digital Cellular Communicator with Remote Service Capability
- 7845i-ENT Enterprise Internet Communicator

- GSMV4G Digital Cellular Communicator with Remote Service Capability
- GSMX4G Digital Cellular Communicator for VISTA Control Panels
- 5881ENL RF Receiver supports up to eight zones – 60mA
- 5881ENM supports up to 16 zones – 60mA
- 5881ENH supports up to 48 zones 60m/A
- 5883 Transceiver supports up to 40 zones – 30mA

Keypads

- 6162 Custom Alpha Security Keypad – 40mA/120mA
- 6162V Voice Custom Alpha Security Keypad – 60mA/190mA
- 6162RF Custom Alpha Receiver/Security Keybad – 120mA/210mA
- 6152 Fixed-English Security Keypad – 40mA/70mA
- 6152V Voice Foxed-English Security Keypad – 60mA 190mA
- 6152RF/6152RFFR Fixed-English/French Receiver/Security Keypad – 30mA/105mA
- 8152ZN/6152ZNFF; Fixed-English/French Security Keypad with Hardwired Zone
 S5mA/80rnA
- 6148 Fixed English LCD 30mA/55mA
- 6280 Color Graphic Touchscreen Keypad with Voice
- Tuxedo Touch " (TUXW) Color Graphic Voice Touchscreen Security Keyped and Home/Business Controller (White)
- Tuxedo Touch with Integrated Wi-Fi*
 ITUXWIFIM, Color Graphic Voice
 Touchscreen Security Keypaid and
 HomerBusiness Controller with
 Integrated Wi-Fi (White)

Agency Listings ETL listing

Residential Fire and Burgiary:

 Household Fire Warning System
 Units – ANSI/UL 985, 2000/05/26
 (5th edition) with revisions up to 2004/04/29

Smoke Detectors

- Supports up to 15 two-wire smake detectors
- Supports four-wire smoke detectors

Communications

- rGSMV4G Internet and Digital Cellular Communicator with Remote Service Capability
- 7845i-ENT Enterprise Internet Communicator
- GSMV4G Digital Gellular Communicator with Remote Service Capability
- GSMX4G Digital Calular Communicator for VISTA Control Parials
- Touchtone or pulse
- Formats supported.
- ADEMCO* Contact ID
- ADEMCO 4 + 2 Express
- ADEMCC low sceed
- Sescou/Radionics
- 3 + 1, 4 1 and 4 + 2 reporting
- Reporting capacitnes
- Split
- Dual
- Split/Dual True dial tone detection
- Low battery reports 11:2 11.6VDC
- AC loss and restoral reporting supported

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

L/VISTA20PD/D
December 2013
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Honeywell



NetAXSTM

Web-based Access Control System



Honeywell's web-based access control offering now provides solutions for installations of any size. NetAXS" enables users to manage their system ariywhere there's an Internet connectionwith 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 browser-based interface, your fearning curve and training time are significantly decreased. 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-friendly design that easily adapts to existing iT infrastructure and methods. This means reduced installation and support cost. Its superior

scalability means you can purchase the exact amount of access control you need now-and add doors later as business needs change, Plus, NetAXS integrates with Honeywell's fully-featured WIN-PAK software to enable more robust and sophisticated 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 amount of access control you need now and easily add doors later
- · FLEXIBLE: Compatible with WIN-PAK XE, WIN-PAK SE. WIN-PAK PE and WIN-PAK PRO CS (managed access) software

NETAXS OFFERINGS

ENCLOSURES and ADO-ON BOARDS

	NX1P*	NetAXS-123: One door, compact iplastic) enclosure
Door	NX1MPS	NetAXS-123: One door, standard (metal) enclosure with power supply and battery
	NX1P*	NetAXS-123: One door, compact (plastic) enclosureand
2	NXD1*	NetAXS-123: One door add-on board
Doors	NX1MPS	NetAXS-123: One door, standard (metal) 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 batteryand
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 (deluxe enclosure)

^{·450} mA @ 12 VDC is the maximum current available to power strike, reader(s) and input devices when using a 802.3af Power Over Ethernet (PoE) connection. If additional current is required, an external 12 VDC power supply is needed.

NetAXS™

Web-based Access Control System

SYSTEM BENEFITS



User Friendly

Easy to use landing page provides a user-friendly experience so you can provide end user training in less than 30 minutes. Whether you're showing customers how to set up the basic parameters such as time zones and access levels, or teaching them how to add or delete cards, 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 refresh data automatically without having to refresh the page. This allows status updates from NetAXS to be pushed out to the web screens automatically, without user interaction.

Alarms, events, inputs, outputs, and status screens all automatically update as information is received.

Data transfer between the controller and web browsers has been optimized to reduce bandwidth requirements, improving screen response times.



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

Etnemar Virtual Loop (EVL), a NetAXS-123 v5.0 feature, for webhosted systems (EVL is not supported by WIN-PAK), allows 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 RS-485 loop also featured with version 5,0 and previous releases
or NetAXS firmware. NetAXS-123 downstream panels operating EVL
and on the same subnet as the gateway plinel are automatically
discovered by the gateway panel, greatly reducing installation time and
making system expansion easy. Systems using NetAXS-4 or a mix of
NetAXS-123 and NetAXS-4 must use RS-485 to loop panels.



Door Access Modes and Options

NetAXS allows you to assign cardholders different levels of access. Supervisor access allows an employee to present their card once to the reader to give individual access. If the supervisor presents their card twice, they enable access for their team during the specified time zone.

Escort access requires a supervisor escort for a non-supervisor cardholder. The supervisor must present his card first, then the non-supervisor must present his card within ten seconds.

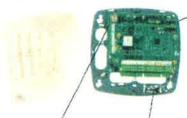
NetAXS™

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 diagnostics from your laptop
- Color coded terminal labels
- Removable terminal blocks

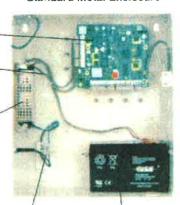
NetAXS-123 Standard Metal Enclosure

Multiple Tie-Down and Grounding Points

· Cleaner and more consistent installations

4 A, 12 VDC **Power Supply**

- · Universal input (100-240 VAC)
- 3,5 A available to power accessories - over 1 A to power each door



Terminal Block with Input Fuse

12V Battery Backup

NetAXS-123 Add-On Boards

NetAXS-123 One Door Add-on Board

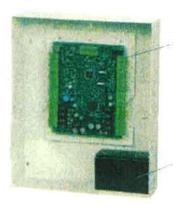


NetAXS-123 Two Door Add-on Board



NetAXS-4

NetAXS-4 Standard Metal Enclosure



Control Panel (NX4PCB)

- On-Board Ethernet Port
- Built-In PCI Function

12V

Battery

Backup

- Multiple Communication Paths
- . Color Coded Terminal Blocks

Power Door Locks

> Noise Suppression Filter

Convenient

Pre-Wired Panel Design

Fire-Rated Lock **Power Release**

Fused Relay Distribution Module

NetAXS-4

Deluxe Metal Enclosure

24V Battery Backup

110V Plug

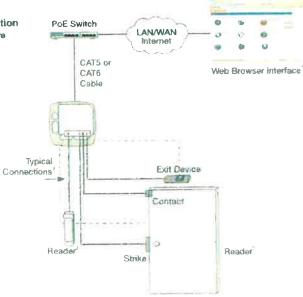


Web-based Access Control System

SYSTEM OVERVIEW

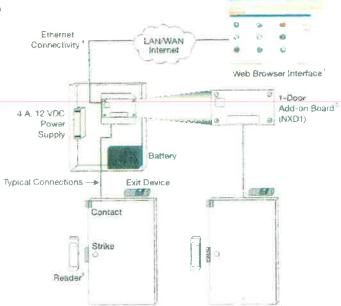
1 DOOR

Typical PoE Configuration Compact Plastic Enclosure



2 DOORS

1 Door Standard Metal Enclosure snown with 1-Door Adti-on Board



- 1, Also compatible with WIN-PAK* XE, WIN-PAK SE, WIN-PAK PE and WIN-PAK PRO CS (Managed Access)
- 2. When using an IN and OUT reader, BOTH readers must have HOLD lines
- 450 mA. 12 VDC is maximum available to power strike, reader(s) and input devices when using a 802.3af PoE connection, If unit is externally powered with a 12 VDC supply, higher current is available.
- 4. USB compatibility for local configuration
- 5...1-door add-on hoard compatible with compact plastic enclosure

- 6. Requires external power when used in compact plastic enclosure
- 7. 2-door add-on board is not compatible with compact plastic enclosure
- 8, When mixing NetAXS-123 and 4-door NetAXS (NetAXS-4) controllers, the NetAXS-123 must be configured as the first panel or gateway

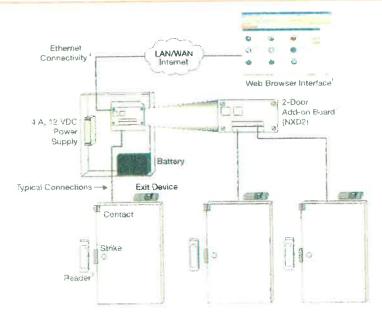
NetAXSTM

Web-based Access Control System

SYSTEM OVERVIEW

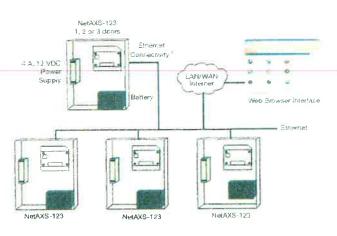
3 DOORS

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



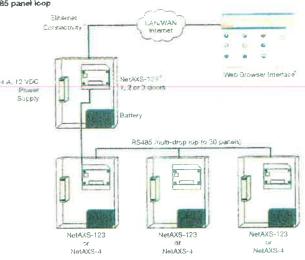
>3 DOORS

Scalable Architecture Ethernet Virtual Loop



>3 DOORS

Scalable Architecture RS-485 panel lcop



- Also compatible with WIN-PAK* XE, WIN-PAK SE: WIN-PAK PE and WIN-PAK PRO CS (Managed Access)
- 2. When using an IN and OUT reader, BOTH readers must have HOLD lines
- 450 mA, 12 VDC is maximum available to power strike, reader(s) and input devices
 when using a 802,3af PoE connection. If unit is externally powered with a 12 VDC
 supply, righer current is available.
- 4. USB compatibility for local configuration
- 5. 1-door add-on board compatible with compact plastic enclosure

- 6. Requires external power when used in compact plastic enclosure
- 7 2-door add-on board is not compatible with compact plastic enclosure
- 8 When mixing NetAXS-123 and 4-door NetAXS (NetAXS-4) controllers, the NetAXS-123 must be configured as the first panel or gateway
- NetAXS-123 v5 0 or later supports Ethernet Virtual Loop (EVL), NetAXS-4 DOES NOT SUPPORT EVL. Therefore, systems using EVL must use NetAXS-123 panels.

SPECIFICATIONS AND FEATURES

				THE PERSON NAMED IN	1 700 0
		NX1P	NX1MPS	NX4S1	NX4L1
2	Door/Reader Capability	1 DOOR Controller ^{1,4}	1, 2 or 3 DOOR Controller (NXD1 or NXD2 add-on board is required for 2nd or 3rd door)	Four READE	
000	Expandability	Expandable up to 93 DOORS (186	readers) per controller loop ^{2,3}	Expandable up to 124 doors (12	4 readers) per controller loop ^{2,3}
READERS,DOORS	Dual Reader Control Capability (IN/OUT Reader per Door)	YES ⁵ - IN and OUT read (readers must have H		*	
2	Reader Compatibility	Standard Wiegand p		Standard Wiegand ABA not s	protocol supported
	Number of Outputs	ABA not su Two SPBT relays (jumper seli per door rated at Two open collector output reader LED (Aux) and reader buzz	ectable NO or NC contacts) 3 A @ 28 VDC s (OC) (16 ma, 12 VDC)		s rated at 10 A @ 28 VDC uts (0C) (16 ma, 12 VDC): ut) and 4 reader ouzzer
OUTPUTS	Output Expandability	2-door solution has 3 total outputs: 4 relays: 4 0C (requires NXD1 add-on board)	2-door solution has & total autputs: 4 relays, 4 00 (requires NXD1 add-on board) 3-door solution has 12 total autputs: 6 relays, 6 00 (requires NXD2 add-on board)		able to 72 iotal outputs NX40UT relay output boards
1	Relay Power Source	Selectable: +12 VDC - 0 to 28 VDC external		0 to 28 VDC externally supplied source	÷24 VDC self-powered
	Number of Inputs	Controller has a total of six configu- points. (Factory default settings are St Tamper B. Power Fai	latus, REX, Reader Tamper A, Reader	14 configurable four-sta	te supervised input points
MPUTS	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 UN relay input boards.
- 1	Power-Fail and Panel Tamper	Yes	Yes	Yes	Yes
	"Off the Wall" Tamper Capability	Yes	and a representation of the control	**	**
POWER INPUT	Unit Input Socket or Hardwire AC Input	Power over Ethernet (PoE) 802.3af or external 12 VDC supply	93 VAC to 264 VAC, 50/60 Hz input provides 12 VDC, 4 A autput Yes	120 VAC, 6 A, 60 Hz input for wall transformer provides 16.5 VAC @ 50 VA output	input provides 24 VDC, 6 A output Yes
MOd	Control Board Power Input	Power over Ethernet (PoE) or ÷12 VDC	+12 VDC from included power supply	16.5 VAC from included wall mount transformer	+24 VDC from included power supply
POWER OUTPUT	Power for Reader(s) and Input Devices Power for Locks/Strikes	450 mA, 12 VDC is available to power strike, reader(s) and input 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 VDC total)	600 mA auxiliary current available to power the readers and other devices Locks/strikes must be externally powered	600 mA auxiliary current swallar to power the readers and othe devices 1.1 A per door for locks/ strikes 14.4 A @ 24 VDC total
20	Backup Battery System	External	12 VDC, 7 AH battery	12 VDC, 7 AH battery	Two 12 VDC, 7 AH batteries
ш	Material	High Impact Plastic	Metal	Metal	Metal
ENCLOSURE	Physical Enclosure Size	7.75"H x 7.75"W x 2.75"D	13.9°H x 11.9°W x 4.7°D	18 'H x 15"W x 4.5 'D	23.9"H x 17.7"W x 4"D
ENCI	Wiring Access Holes/Knockouts	7	19	8	30
	Removable Terminal Blocks with Color Coded Labels	Yes	Yes	Yes	Yes
HISTALLATION	Graphic Wiring Cards/Labels	Yes	Yes	Yes	Yes
STA	Captive Mounting Hardware Cable Shield Termination Points	Yes	Yes Yes	Yes	Y65
#		40	Global Geographic Tin		100
	Real Time Clock		Daylight Saving T		
3	Clock Synchronization		Yes - via NTP net		
MAT	Processor	Freescale Co	oldfire 32-bit	Freescale (Coldfire 32-bit
202	System MTBF	250,00	0 hours	250,0	00 hours
SYSTEM INFORMATION	(mean time between failures) Temperature Ratings	333,50	32 to 120°F (0°C to -67 to 185°F (-55°C to	49°C) Operating	
	I .	OF and EO	C compliant	CE and FCC compliant	FCC compliant

SPECIFICATIONS AND FEATURES

		NetAXS	-123	NetAXS	4 4 5 10 10 10 10 10			
		NX1P	NX1MPS	NX4S1	NX4L1			
9	Status LEDs	12 LEDs total (12V power, PoE, over o door state, run,	urrent, Ethernet, RS485, reader(s), relay status)	19 LEDs total (Power, system n downstream, reader	s, relay status)			
CONMIS	Built-in Communication Options 1/O Expansion Module Connectivity Controller Loop Capability	Ethernet, USI Use RS485 port to connect a maxim (4 output an Total of 16(EVL)/31(RS48	um of 6 downstream 1/0 modules d 2 input) i5) panels in a loop ^{2,3}	Ethernet, RS48 Use RS485 port to connect a mai modules (4 output Total of 31 panels	umum of 6 downstream V0 and 2 input)			
	Software Compatibility ⁹		WIN-PAK XE/SE/PE/CS -		0			
- 1	NetAXS-123 as Gateway Panel	Supporte	ed downstream panels include NetAX	S-123 and NetAXS-4 See notes 2 & 1	l			
TSOH	NetAXS-4 as Gateway Panel	Curren	tly supported downstream panels incl	lude NetAXS-4 only See notes 2 & 3.				
#	using PCI3 Converter	Supported	downstream panels include NetAXS-	123, NetAXS-4, N-1000 family and N	IS2			
	using N-485-PCI-2 Converter		Not compatible with NetA					
	Door Control Modes	Card only, card and PtN, c	ard or PIN, PIN only, lockdown, disab st card rule, snow day rule, time zone	led, supervisor, ascort, limited use o	ard, expire on date.			
CONTROL	Interlocks for custom actions Anti-Passback Capability	Yes	Yes Local and global capability, hard 29 allows anti-passback using In and	Yes and soft implementation	Yesan ⁵			
	Card and Event Buffer Capacity		10,000 card capacity, 25.	000 event capacity				
	Firmware Revision	On-boa	ard flash memory for field firmware re		1			
וענ	Offline Database backup available		Card and configurati					
CARDS and DATABASE	Export Capabilities		Card database, alarms and	events (CSV format) ⁵				
	Number of Card Formats		128 unique card formats	can be supported ⁵				
0 0	Site Codes		В					
9	Maximum Card Format Size		75-bit (maximum card	$1 * = 64 - \text{Dets})^{5,7}$				
50 I	Time Zones	1275						
క	Access Levels	128						
	Holidays	Yes	255 ⁵ Yes	Yes	Yas			
Sis	integrated basic reports Import/export of card database	Yes	Yes	/es	Yes			
REPORTING and ANALYSIS	Alarms and events can be	Yes	Yas	Yes	Yes			
교교	exported and saved in offline storage	163	103					
_31	Supported Browsers		Internet Explorer and	d Mozilla Firefox				
	Icon Oriven Landing Page	Yes	Yes					
G #	Web Browser Control	Full	control monitor and view live events	manually control doors and readers				
2 45	Web Server Support		All access contro					
EMBEDDED WEB SERVER	Secure Web Browsing		SSL and SHA-1 secure so	cket layer encryption				
m 3	Dynamic Screen Refresh	Yes	Yes	Yes	Yes			
	Multiple user connections	English, Italian, French, Outon, Spanish						
SILLIY	Global Languages Supported Printed Documentation	English, Italian, French,	Dutch, Spanish, Czech, ese and Arabic	Engl				
IA	Quick Start Guides	Yes	Yes	2-7-7-1				
WORLOWIDE ACCEPTABILITY	Full User and Installation Guides Multi-Language Basic	on product CD Yes	on product CD Yes	Printed	Printed			
WID	Installation Guides	Customer shilling to aspert	I mport, modify, create and add langua	to the selected for use with	unique logia accounts			
ā	User Translated Files	Power over Ethernet (PoE)	Mport, mounty, create and add langua	I I I I I I I I I I I I I I I I I I I	andre rodu accomics.			
=					**			

- 1. A second door may be added with a NXD1 add-on board however, PoE power restrictions apply (see footnote 4).
- 2. RS-485 panel loop: A total of 31 NetAXS-123 and NetAXS-4 panels may be combined in a controller loop for a maximum of 123 doors. Ethernet Virtual Loop (EVL): A total of 16 NetAXS-123 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.
- 3. When mixing NetAXS-123 and NetAXS-4 controllers, NetAXS-123 must be the gateway Panel and the panel loop must be RS-485.
- 4- 450 mA, 12 VDC is maximum current available to power strike, reader(s) and input devices when using a 802.3af PoE connection. If unit is externally powered, higher current is available.
- 5. When using WIN-PAK software, this feature may have limitations or not exist.

- ii. An external UPS is required to power the PoE power source for battery backup:
- 7. Suitable for handling the 75-bit transparent card formul of PN, TWIC and FRAC cards.
- 8, USB port for setup and troubleshooting.
- 9. WIN-PAK software compatibility for NetAXS
 - a) All NetAXS versions programmed as an N1000: WIN-PAK SE, WIN-PAK PE, WIN-PAK PRO CS, WIN-PAK CS 4,1 WIN-PAK 2005, WIN-PAK PRO 2005, WIN-PAK 2.0 Release 4
 - b) NetAXS v3.x: WiN-PAK v3.0-3.2 (Builds 670.14 or greater) or WIN-PAK CS 4.2 (Build 1017.33 or greater)
 - c) NetAXS v4.0 or greater: WIN-PAK v3,3 (Build 670.21) or greater or WIN-PAK CS 4.2 (Build 1017.33) or greater

NetAXS™

Web-based Access Control System

ORDERING

Part Number	Description
NetAXS-123	
Door Solutions	والمراب والمناول والمنافظ والمناف والمناف والمناف والمناف والمناف والمناف والمناف والمنافي والمنافي
X1P	NeuAXS-123: One door, compact (plastic) enclosure - PoE or externally powered
NX1MPS	NetAXS-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 battery
Add-on Boards (For 2	and 3 door solutions)
NXD1*	NetAXS-123: One door add-on board (Adds 1 door to your existing 1-door system = 2 doors)
NXD2**	NetAXS-123: Two door add-on board (Adds 2 doors to your existing 1-door system = 3 doors)
NetAXS-123 Compone	nts & Accessories
NXC1	NetAXS-123 - Control Board only
NetAXS-123 Access C	ontrol Starter Kits with Reeders
NX1P10	NetAXS-123; Includes NXTP One door compact (plastic) enclosure and (1) OP t0HONR mini-multion proximity reader
NX1MPS10	NetAXS-123: Includes NX1MPS One door, standard (metal) enclosure with power supply and battery and (1) OP10HONIR mini-mullion proximity reader
NXD1OP10	NetAXS-123: Includes NXD1 One door add-on and (1) OP16HONR mini multion proximity reader (Adds 1 door to your existing 1-door system = 2 doors)
NXD2OP10	NetAXS-123: Includes NXD2 Two door add-on and (2) OP10HONR mini-multion proximity readers (Adds 2 doors to your existing 1-door system = 3 doors)
NetAXS-4	
NetAXS-4 Web Based	Access Control Panels
NX4S1	NetAXS-4: 4 Door Control Paner Standard Enclosure)
NX4L1	NetAXS-4: Pre-wired 4 Door Control Panel (Celuxe Enclosure)
NX4PCB	NetAXS-4: NetAXS PCB Board with Manual and (4) Surge Suppressors
NetAXS-4 Access Cor	ntrol Starter Kits with Readers
WPNX4L30	NetAXS-4: IP Ready Access Starter Kit with WIN-PAK, NX4S1 Deluxe Standard Enclosure Ciption and (4) OP30HONR Mullion Proximity Readers
WPNX4S30	NetAXS-4: IP Ready Access Starter Kit with MIN PAK_NX4S1 Standard Enclosure Option and (4) OP30HONR Multion Proximity Readers
NX4OP30S	Net/AXS-4; Net/AXS with Standard Enclosure - Standalone Web-based Access 4 Door Kit with (4) OP30HONR
NX4OP40S	NetAXS-4; NetAXS with Standard Enclosure - Standalone Web-based Access 4 Door Kit with (4) OP40HONR
NX4OP30L	NetAXS-4: NetAXS with Deluxe Enclosure - Standalone Web-based Access 4 Door Kit with (4) OPCOHONR
NX4OP40L	NetAXS-4: NetAXS with Deluxe Enclosure - Standalone Web-based Access 4 Door Kit with (4) OP40HONR
NetAXS Accessories	
NX4IN	NetAXS Input Board - 32 inputs per board, Connect 2 per panel, Total 64 inputs
NX4OUT	NetAXS Output Board - 16 relays per coard. Connect 4 per panel. Total 64 relays
External power adapter required for NX4IN and NX4OUT	Input: 100-240VAC, 1.3A, 50-60Hz Output: 24 VDC, 2.3A, 55 Watts
NXIOENCKT	Double board enclosure for NX4IN, NX4OUT

For more information:

www.noneywell.com/security

Automation and Control Solutions

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



L/NXS123D/D September 2914 @ 2014 Honeywell International Inc.

Hequires external power when used in compact plastic enclosure
 2-door add-on board is not compatible with compact plastic enclosure

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 < <u>broeks@med-canna.com</u>>;
To: Michael Bove < <u>mrboy 2003@yahoo.com</u>>;

Subject: equipment list

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

http://www.camfilters.com/pus/fam/8/12.html

Thats the link to the exhaust fan, 1 per bloom

room

using the CD1200 1 per bloom room

Thats is the inline Uvonair ozone system, we are

http://www.ppreshtitter.com/about/phreal-litter-proeprint asex

Thats the charcoal filter x2 for each bloom

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

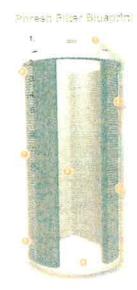
Sjoerd Broeks 800.556.9892 x701

sorpexs if med-tarms and



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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

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51% open air custom mesh

Unique "Anti Air Bypass" System

Large selection of sizes available to fit any application

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





Phresh® Filter RC 48 Australian Carbon

Competitive Filter Carbon

UVONAIR CD

Éliminateur d'odeurs

CD - 1000-1 CD - 800 Modèles:

CD - 1000-2

CD - 1200

Système d'ozone en conduit

Considérations pour l'installation :

Veuillez lire foures les directives avant de procéder à l'installation. 1) Les généraleurs d'ozone Uvonair CD sont conçus pour traiter les odeurs dans les conduits d'aétation pendant que l'air est

evacué. Le modèle CD-800 dott être installe dans un conduit de 8 po (20 cm). Les deux CD-1000 doit être installé dans un conduit de 10 po (25 cm). Les adaptateurs de conduits peuvent être utilisés pour l'installation dans des conduits de dimensions différentés. L'installation d'une unité plus petite dans un peuvent être utilisés pour l'installation dans des conduits de dimensions différentés. L'installation d'une unité plus petite dans un conduit plus grand peut réduire la circulation d'air.

- Dans la plupart des cas, le modèle CD-800 et modèle CD-1-1000 traitera toutes les odeurs èvacuées hors des pièces dont la superficie ne dépasse pas 20 000 pt² (600 m²). Le modèle CD-2-1000 traitera toutes les odeurs évacuées hors des pièces dont la superficie ne dépasse pas 40 000 pt² (1200 m²). Le modèle CD-1200, don't le débit est considérablement plus élevé, traitera la superficie ne dépasse pas 40 000 pt² (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 pt² (3000 m²). Pour les odeurs particuliérement ortes, il est prétérable d'utiliser le modèle ayant le débit d'air le plus élevé. 5
 - Dans la mesure du possible, placez la genéraleur Uyonair à un minimum de 15 pi (5 m) de l'extremité du conduit
 - Lorsque vous utilisez un ventiliteur placez toujours l'ozoneaur du côte sortie ventilateur. d'échappement afin d'assurer un temps de reaction suffisant les odeurs.

4) 3

Exigences en matière d'électriclé. Installez conformement aux normes de sécurité sur l'électricité de votre localité. Fournissez une alimentation électrique de 110 volts 60 Hz au généraleur d'ozone Uvonair CD synchronisé avec le vantitateur. Comme mésure de sécurité, l'unité Uvonair CD doit fonctionner en landem avec le ventitateur. L'unité Uvonair CD est mune 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. Installation: 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.
 - - Pour l'installation dans un conduit de metal ;
- Il sera necessalra d'enlever une section de conduit d'environ 11,5 po (29 cm) à l'endroit où l'unité doit être installée. Consultez 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 Uvorrair CD. Soutenez le poids de l'unité en suspendant des câbles fixés aur les supports à un crochet ou à un clou enfoncé dans les a
 - pournelles superieures. Procédez au réglage final après l'installation finale a
- Insérez l'unité dans les conduits existants jusqu'aux arêtes de montage et rendez l'instaltation hermétique en utilisant du niban adhesif en tolle ou des crampons de serrage. ΰ

- Pour l'installation à l'aide d'un conduit flexible s) :

 a) Enlevez une section du conduit de 36 pp (91 cm),

 b) Coupez 2 morceaux de 17 pp (43 cm) du conduit flexible de 8 pp (20 cm) de diamètre.

 c) Fixez-les de chaque côte du généraleur Livonair et immobilisez le réseau de gaines en le rendant hermétique à l'aide de c). ruban adhèsit en tolle ou de crampons de serrage

Les modèles Uvoriar CD comportent deux réglages de débit,«High» (élevé) et «Low» (bas) afin que vous puissiez régler le niveau des oceurs. Le modèle CD-1200 produira des niveaux d'ozone tégérés lorsqu'il est régle à «High» Déterminez le niveau d'ozone réquis en surveillant le niveau d'odeur de l'air évacue. Les niveaux peuvent varier au cours du cycle croissant. Ces unités n'ont pas besoin d'entretien.

Garante et politique de réparation: Les unites Uvoneir 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 d'achat. Elles sont garanties seulement pour l'usage décrit.

- Appetez le fabricant au 1 800 755-2098 pour obtenir le numéro d'autorisation de retour de marchandises ainsi que les

 - Les produits garantis seront réparés sans trais et refournes port paye dans les 24 heures survant 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 dissiperà donc et ne s'accumulera pas

uv**O**snair 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 8H1 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 - 1000-1 CD - 800 Wodels:

CD - 1200

CD - 1000-2 CD - 1200

CD - 1000-1

Modelos: CD - 800

Ozono por efecto corona Eliminador de olores

UVONAIR CD

In-Duct Ozone System

Installation considerations: Please read all instructions prior to installation.

- Uvonair CD ozone generators are engineered to treat odors in ventilation duets as air is being exhausted. Model CD 800 is for 12" (30 cm) duets. Both model CD-1000s are for 10" (25 cm) duets. Model CD-1200 is for 12" (30 cm) duets. Duet adapters may be used for installation into other size duets. Installing the smaller unit into larger duets may
- Under most circumstances Model CD-800 and CD-1000-1 will treat all odors being exhausted from rooms up to 20,000 cu ft. (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.
 - e,
 - (3000 m³). For extreme odors, it is better to use the higher output unit
 - Position the Uvonair generator if possible a minimum of 15 ft. (5 m) from the end of the exhaust duct to ensure adequate reaction time with odors. We recommend a minimum of 15 ft. (5m) of ductwork. 4.
 - When using a fan, always put the ozonator on the output side of the fan

When using a fan, always put the ozonator on the output side of the fan
<u>Electrical requirements</u>:
<u>Install in accordance to local electrical standards</u>. Provide 110V 60Hz electrical power to the Uvordan CD ozone generator
<u>Install in accordance to local electrical standards</u>. Provide 110V 60Hz electrical power to the Uvordan CD ozone generator
synchronized with the ventilation fan. As a safety teature, Uvordan CD unit must be working in landem with the ventilation
exhaust fan. Uvordan CD is equipped with a 6 ft. (2 m) zord 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 Uvortair unit is not plugged in. Installation:
 1. Attach th
 2. Turn off
 3. For insti
 - For installation into metal duct:
- It will be necessary 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. n
 - Support the weight of the unit with duct hanging wire from the support bracket to a hook or nail on the joists above. Make final adjustment effer final installation.
 Insert the unit into the existing ducts up to mounting ridges and make it airtight using duct tape or clamps. 9
 - For installation using flex duct as an option:

a

- Remove a 36"(91cm) section of duct.
- Cut two 17 (43cm) pieces of flex 6" (20cm) diameter duct. Attach to each side of the Uvoriair generator and then secure to the ductwork making it airtight with duct tape or င် ထို့ အ

may vary throughout the growing cycle

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

No maintenance is required of these units.

Warramy & 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 warrantly 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# instructions
- 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

Factores a tenev en cuenta en la instalación. Sirvase feer todas las Instrucciones antes de la instalación.

Los generadores de ozono Uvonair CD son diseñados para tratar los otores en los conductos de ventilación a medida que se expuisa el aire. 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 tamaños con la ayuda de adeptadores. La instalación de una unidad más pequeña en conductos más grandes puede

restringir la circulación de alire.

En la mayoria de los casos, los modelos CD-800 y CD-1000-1 puede tratar todos los oloras que se expulsan de las habitaciones hasia de 20,000 pies cúbicos (500 m²). El modelo CD-1000-2 puede tratar todos los oloras que se expulsan de las habitaciones hasta de 40,000 pies cúbicos (1,200 m²). El modelo CD-1200, con su capacidad considerablemente mayor, puede tratar todos los olores de habitaciones hasta de 100,000 pies cúbicos (3,000 m²). Para olores sumamente luertes es mejor usar la unidad de mayor capacidad

Si es posible, ubique el generador Uvonair a una distancia minima de 15 ples (5 m) del extremo del conducto de escape pera garantzar un bempo de reacción adecuado e los olores. Si utilizz un ventilador, ubique siempre el generador del tado de la salida del ventilador.

singronizado con el ventilador, a cortiente eléctrica de 110V 60Hz. Como característica de segundad, la cortiente a la unidad. Uvonair CD dibe apagarse cuándo se apaga el ventilador. El generador Uvonair CD viene equipado con un cordon de 6 pies (2 m), con un enchulre de 3 patas conectado a tierra y un fusible de protección contra la sobretensión. ción debe realizarse según las normás electricas locales. El generador de ozono Uvonair CD debe conectarse, Requisitos eléctricos La instalación debe rea

Coloque las dos escuadras de soporte que vienen con la unidad en la parte superior de ésta, utilizando los cuatro tornillos (2 m) Insta

Apague el venillador y cerciórese de que la unidad Uvonair no este conectada. Para la instalación en un conducto merálico: ya instalados en su lugar.

- a) Es necesario recortar un tramo de aproximadamente 11,5 " (29 cm) del conducto en el lugar donde se va a instaler la
 unidad. Consulte con un tecnico en verifilación sobre la longitud especifi los, pues ésta puede variar, dependiendo de la
 unidad. Consulte con un tecnico en verifilación sobre la longitud esperador los posibilidad de ajusta poder introducirle el generador Uvonar CD.
 b) Soporte de la unidad con alambre pera coligar conductos, desde un gancho o clavo en las vigas de la perte
 superior al soporte. Una vez instalada, haga los ajustes necesarios.
 c) Infroduzca la unidad en los conductos existentes hasta los rebordes de montaje y selle herméticamente con chila
- adhesiva para conductos o con abrazaderas. Instalación opcional utilizando conductos flexibles:
- 000
- Recorte un tramo de 36" (91 cm) del conducto. Corte dos piezas de 17" (43 cm) de conducto flexible de 3" (20 cm) de diámetro. Colóquetos a cada lado del generador Uvonair y luego asegúrelos al sistema de conductos y selle herméticamenta con cinte adhesiva para conductos o con abrazaderas

Ш Funcionamiento:
Modelos Vuonnar CD Unenen graduaciones de salida alta y beja de manera que puede graduantas según el nivel de los olores.
Modelos Vuonnar CD Unenen graduación más elévada, niveles muy altos de ozono. Para determinar el nivel de ozono modelo CD-1200 produce, en la graduación más elévada, niveles muy altos de ozono. Para determinar el nivel de olores del aire de escape. Este puede variar durante el ciclo creciente.

Estas unidades no requieren de servicio de mantenimiento.

Garantia y política sobre reparaciones. La unidades Uvonair CD tienen una garantia de un año, dasde la fecha de compra, contra defactos de las reclamaciones de La garantia sólo es válida para el uso descrito. Conserve el comprobente de compra para efectos de las reclamaciones de garantia,

- Liame al fabricante al 1 800 785 2088 para solicitar el número RGA inúmero de autorización para la devolución de mercancias) e instrucciones para el envio
- Los aparatos cuya reparación este cubierta por la garantia, serán reparados sin cargo y devueltos con el Neta pagado dentro de las 24 horas de habertos recibido. Los envios deben ser con llete pagado y deben incluir el número RGA.

ADVERTENCIA Se recomienda para usos comerciales. El ozono, en concentraciones superiores a las .05 PPM, pudiera ser darino para la selud. El ozono tiene una vida media de – 30 minules, en consecuencia se dispará y nunca se llega a acumular.. Nunca mire la luz directamente. Una exposición prolongada a la luz U.V. puede causar daños a los ólos.



Max-FanTM Series

The Max Fan Saves Energy! -Extremely energy Efficient!

-Lower Lifetime Cost!

Save on shipping costs!

Housing?

design

The Max-Fan Saves Space!

-Small Airtight

-Easy Installation!

-Light Weight & Compact

Marc Fan Rome

5" MICE

3 42

TO Marc

TE Mak 3d May

20" HOX

The Max-Fan Is Quiet! -Very High Aerodynamic Efficiency:

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

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

FAN ODEL	CFIM	RPIM	MAX WATTS	MAX AMPS.	SONES	DUCT DIA.	LENGTH	BLADE DESIGN	HOUSING	INLE OUTL
8"	667	3250	179	1.5		3"	8 7/8"	Mixed Flow	Plastic	8"
12"	1703	3374	489	4.1		12"	12 1/8"	Mixed Flow	Gaivanized	12"



Performance Data

₩g							· ·			
	FAN	D**	.125"	.25"	.375"	.5"*	.7511%	1.0"	1.25"	1.5'
CFIVI	3"	657	650	630	610	585	520	420	150	100
CFM	12"	1708	1530	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 fans should not be reduced more than 50% as this results in the fans overheating.



Performance certified is for installation type D - Ducted inlet. Ducted outlet: Performance ratings do not include the effects of appurtenances (accessories)

The sound ratings shown are for loudness values in spherical sones at 5ft. (1.5m) in a spherical free field calculated 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.





A Division of 5SEAT Investments, LLC

March 10, 2015

Carson City, Nevada

Community Planning Department

Planning Division

108 E. Proctor Street

Carson City, NV 89701

Attn: Susan Dorr Pansky, AICP Planning Manager

Re; File# SUP 15-013 - MME- 8001 Hwy 50 East- 5SEAT Investments, LLC- MME Identifier #CO54

Dear Ms. Pansky,

Per your request, the following information describes the basic operational procedures for the above SUP project:

The MME production operation is based on the use of cuttings, clippings and miscellaneous cannabis plant matter received from our MME cultivation facilities. During each bi-weekly production cycle, an approximate total of 200 ounces of this plant matter will be converting to a master concentrate of destearinated cannabis resin (DCR) with the use of a 2000+ psi Co2 extraction unit only.

It is estimated that the production facility will produce 30 ounces of DCR per production cycle.

After quality control approvals, the DCR will be encapsulated into MME approved disbursement cartridges. These cartridges will then be packaged in State of Nevada approved and industry certified child proof containers for shipment to approved MME dispensaries pursuant to NAC 453A.416.

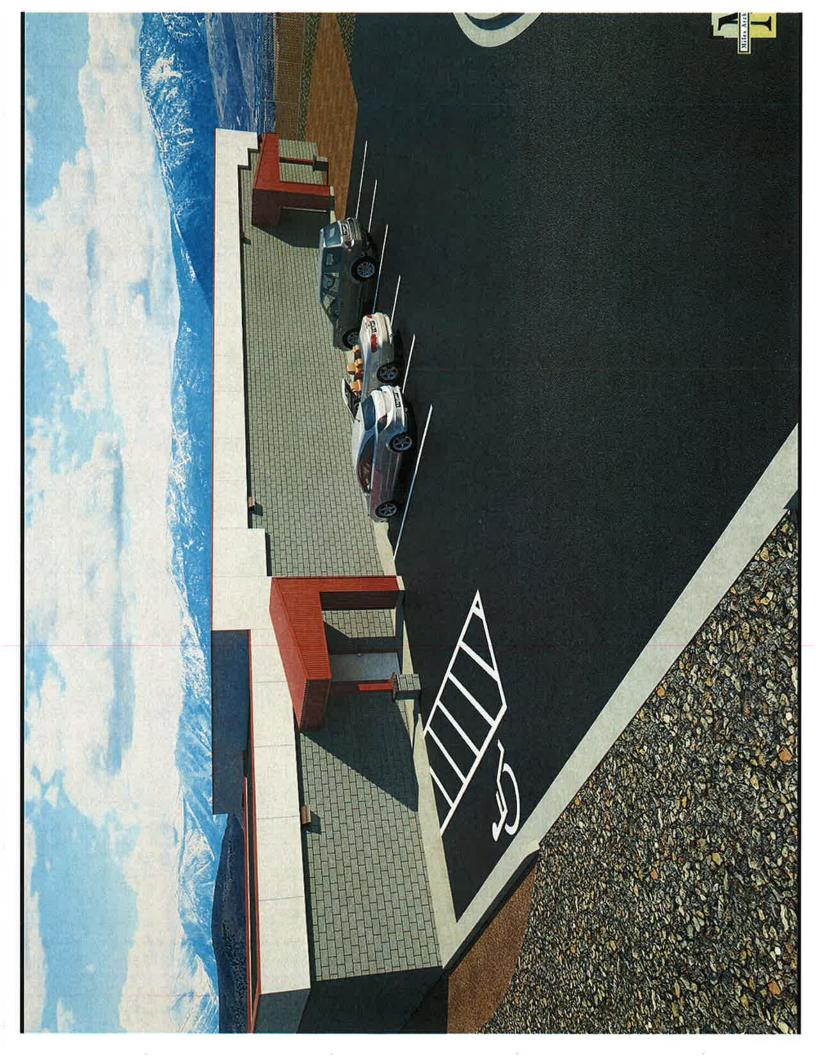
All DCR products produced within this facility will be disbursed to qualified recipients through a State of Nevada, Department of Health and Human Services, Division of Public and Behavioral approved MME dispensary pursuant to NRS and NAC 453A.

Please contact me if you need additional information, Regards,

Dan Flannagan

Designated Agent for 5SEAT Investments, LLC

(775) 376-0392



SPECIAL USE PERMIT APPLICATION

For

5SEAT INVESTMENTS, LLC MME PRODUCTION FACILITY

Prepared By#



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

Prepared for:

5Seat Investments, LLC 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

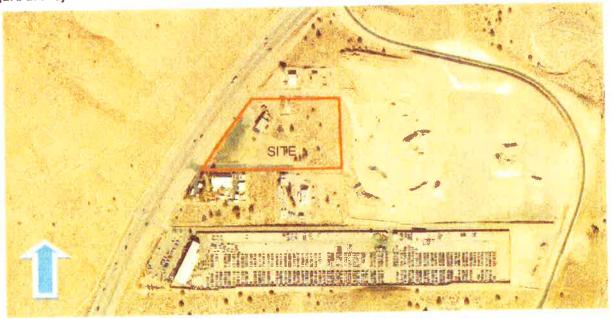
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PROJECT LOCATION

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



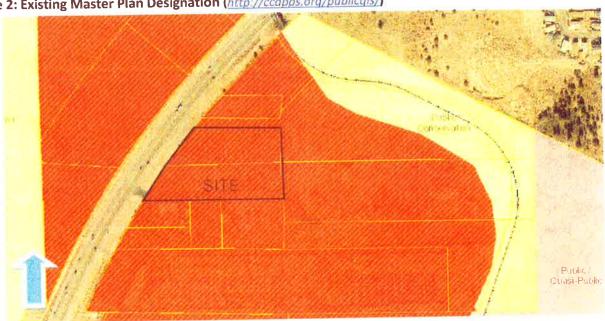


Figure 3: Existing Zoning Designation



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.

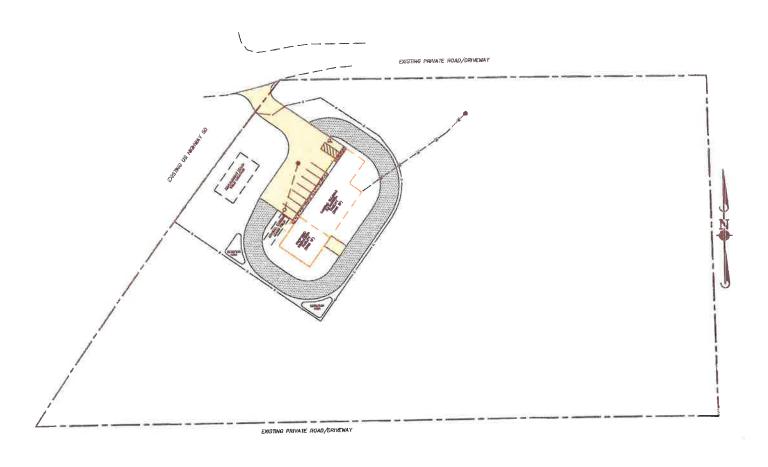
Table 2: Project Statistics

Total Site Area	+/- 5.13 Acres
Total Building Area	+/- 4,660 SF
Total Landscaped Area	+/- 2,600 SF
Total Paved Area	+/- 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.

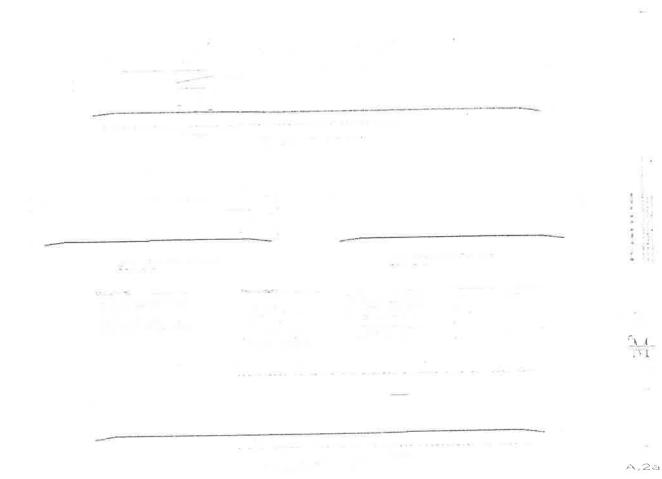
Within the new MME production facility, the applicant proposes to install a commercial kitchen preparation area that shall not produce industrial or non-domestic waste discharges, specifically pursuant the State of Nevada, Division of Environmental Protection (OSDS) General Permit provisions I.A.3, I.A.6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



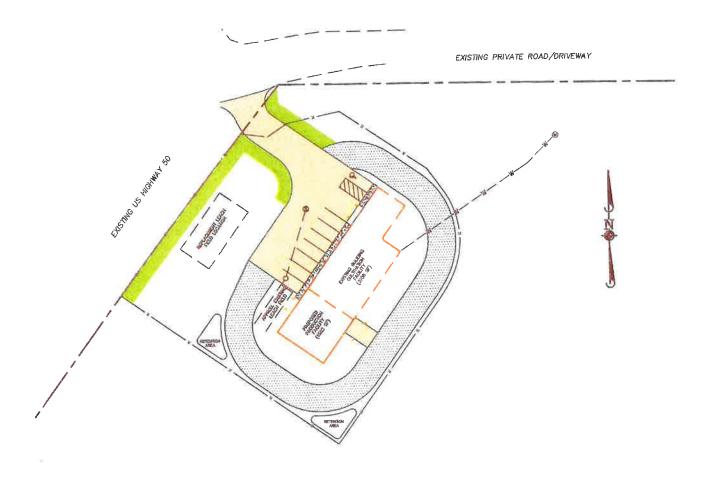
A. Ta

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

edical Marijuana E	stablishment (MME)		4	
Land Use	CCMC Requirement	Facility Count	Required Stalls	Provided Stalls
MME Cultivation	1 space per 1,000 sf	3,108 sf	4	4
MME Production	1 space per 500 sf	1,552 sf	4	4
	tals:	4,660 sf	8	8

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.

- 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.

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.

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.

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.

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 A MAN AND PLANS

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

1

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.

I. 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

Carson City Planning Division 103 E. Proctor Street · Carson City I Phone: (775) 887-2180 · E-mail: plannin	ฟูV 89701 g@carson.org	FOR OFFICE USE ONLY: CCMC 18.02 SPECIAL USE PERMIT	
FILE # SUP — 15 - APPLICANT SEAT Investments, LLC - Dan Flannagar	PHONE# 877-723-0543	FEE: \$2,450.00 MAJOR \$2,200.00 MINOR (Residential zoning districts) 	
mailing address, city, state, zip 275 Hill Street, Suite 290, Reno	, NV 89501	SUBMITTAL PACKET 8 Completed Application Packets	
email address dilann@dmnovo.com property owner	рнопё 3 775-883-3499	(1 Original + 7 Copies) including: Application Form Written Project Description Site Plan Building Elevation Drawings and Floor Plans	
Tim McCarville, LLC mailing address, city, state, zip PO Box 20581, Carson City, NV email address		Proposal Questionnaire With Both Questions and Answers Given Applicant's Acknowledgment Statement Documentation of Taxes Paid-to-Date (1 copy) Project Impact Reports (Engineering) (4 copies)	
APPLICANT AGENT/REPRESENTATIVE Manhard Consulting, LTD - Mark Rot	PHONE # ter 775-882-5630	once the application is deemed complete by staff) Application Reviewed and Received By: Submittal Deadline: See attached PC application submittal	
MAILING ADRESS, CITY STATE, ZIP 3478 Executive Point Way, Suite 12, Carson City, NV 89706 EMAIL ADDRESS mrotter@manhard.com		Submittal Deadline: See attached PC application Scattering schedule. Note: Submittals must be of sufficient clarity and detail such that all departments are able to determine if they can support the request. Additional information may be required.	
Project's Assessor Parcel Number(s): 008-611-39	Street Address ZIP Code 8001 Highway 50 East	, Carson City, NV 89701	
Project's Master Plan Designation	Project's Current Zoning GI - General Industri	Nearest Major Cross Street(s) Arrowhead Drive and Highway 50 East	
Briefly describe your proposed project: (Use proposed use, provide additional page(s) to some (CCMC) Section: as a conditional use is as follows: Reference attached additional informa	or Development Stand	s if necessary). In addition to the brief description of your project and of your project and proposal. In accordance with Carson City Municipa ards, Division, Section, a request to allow	
PROPERTY OWNER'S AFFIDAVIT	being duly deposed, do hereby a application 8001 Highway 50 E	ffirm that <u>I am the record owner</u> of the subject property, and that I have east, Carson City, NV 89701	
Signature Use additional page(s) if necessary for other	Address	Date	
STATE OF NEVADA COUNTY)	personally act and before mell indically public	
executed the foregoing document.	person whose name is subscribe	personally and a cknowled god wornto that he/st a cknowled god wor	
Notary Public		owntown area, it may need to be scheduled before the Historic Resourc citizens Committee prior to being scheduled for review by the Planni	
NOTE: If your project is located within the li Commission, the Airport Authority, and/or Commission. Planning personnel can help y	nistoric district, airport area, or use the Redevelopment Authority Countries the above determination Page		

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	

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.

ls or doss 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 Told Vices Criteria (2.1b, 2.2b, 2.3b, Land Use Districts, Appendix C)?
	Meet adopted standards (e.g. setbacks) for transitions between non-residential residential zoning districts (2,1d)?
	Protect environmentally sensitive areas through proper setbacks, dedication, or other mechanisms (3.1b)?
3	Sited outside the primary floodplain and away from geologic hazard areas or follows the required setbacks or other mitigation measures (3.3d, e)?
4	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 policies of that SPA (Land Use Map, Chapter 8)?

CHAPTER 4: EQUITABLE DISTRIBUTION OF RECREATIONAL OPPORTUNITIES



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 do

93 T	he proposed development
	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)
П	Encourage rause or redevelopment of underused retail spaces (5.2b)?
	Support heritage tourism activities, particularly those associated with historic
IJ	resources, cultural institutions and the State Capitol (5.4a)?
	Promote revitalization of the Downtown core (5.6a)?
\Box	LIOURNIE TEATIGUESINON OF THE ELECTRICAL CONTROL OF THE ELECTRICAL CON

□ 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.

ls or does the proposed development:

- Use durable, long-lasting building materials (6.1a)?
- 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, Jandscaping 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.

ls or does the proposed development:

- Promote transit-supportive development patterns (e.g. mixed-use, pedestrianoriented, 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)?

Secured Tax Imquiry Detail for Parcel # 008-611-39

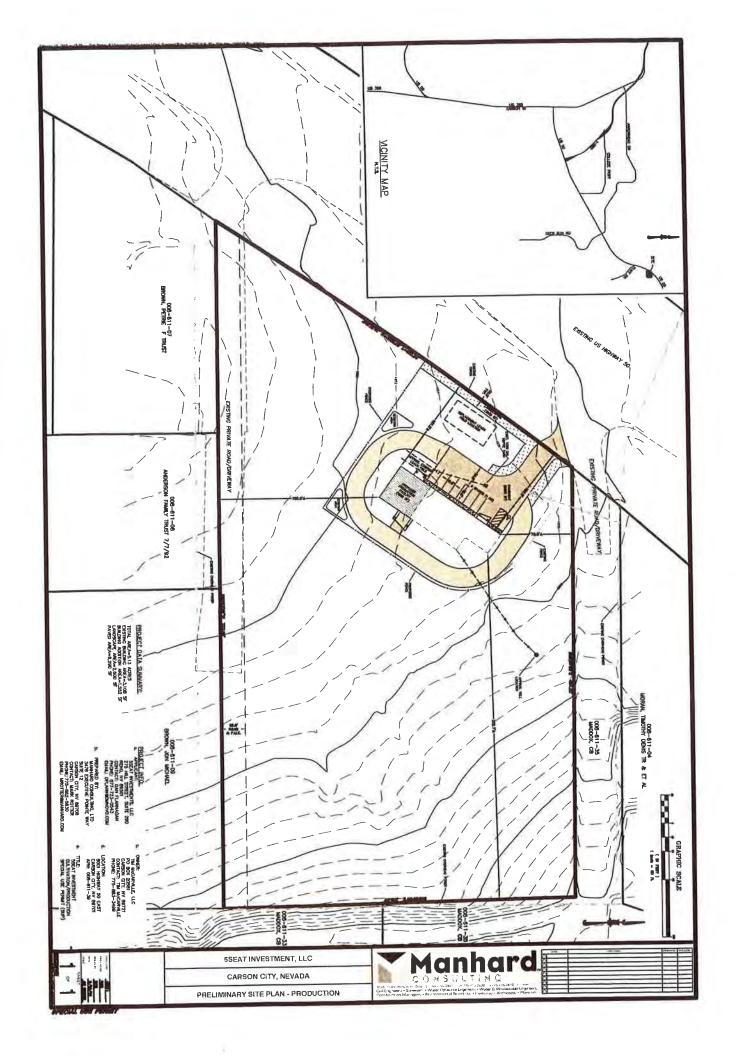
Roll #:
Property Location: Tax Year:
Billed to: Tax Service:
Land Use Code:

Prior Year Tax Penaltiv/Interest Total Amount Paid Total Due

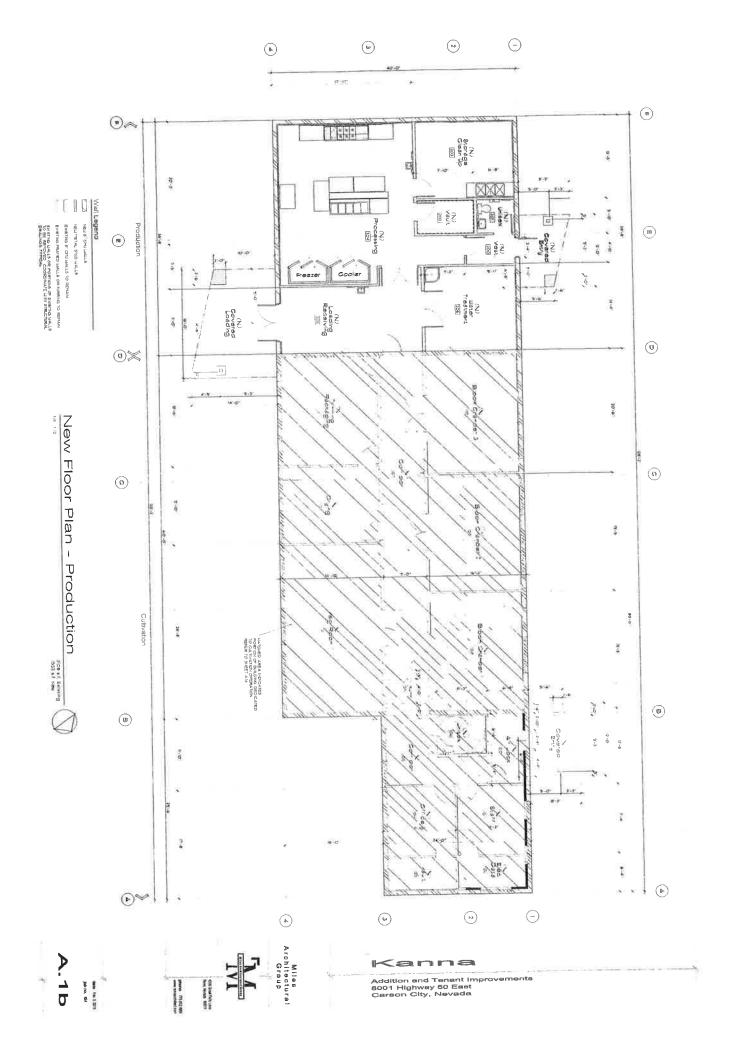
Current Year

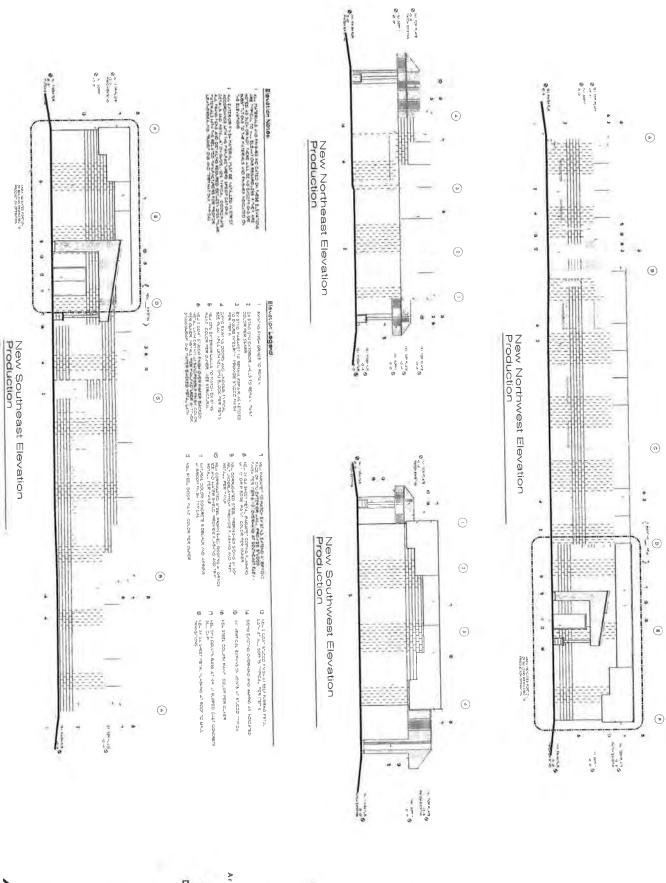
Payment Cart History

Appendix B



Appendix C

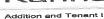




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Appendix D



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 CO_2 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 (CO_2). 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. CO_2 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 CO_2 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 CO_2 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 CO_2 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.



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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:

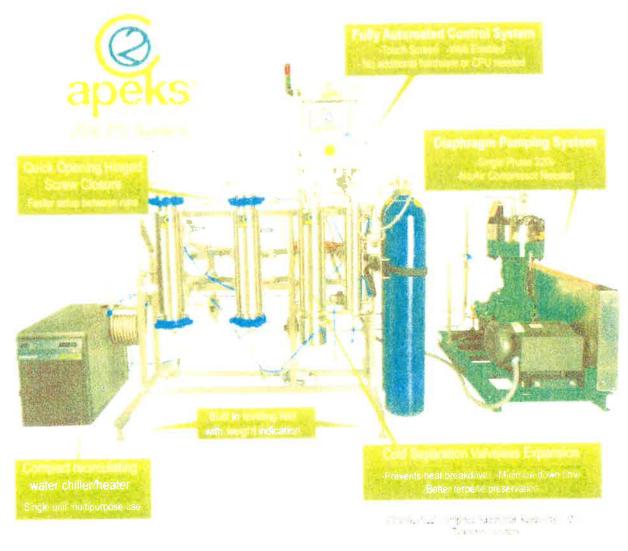
- Extraction is prepared in the same fashion as product #1.
- Selected strains such as AC/DC provide a CBD dominant extract.
- Any of the high THC and low CBD (>1%) strains on file provide a THC dominant extract.
- Extracts are accurately assayed for cannabinoid content.
- Extract are either sold as 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.



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

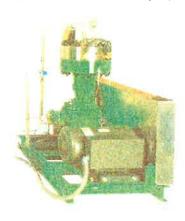


Apeka Suncrentical ± 2050psi systems are designed to provide subcritical and supercritical CO2 botanical oil extractions with low overall power consumption in a compact design. All 2000ps. yearns come agrupped with our energy officient, 220V lingle phase diaphragm comping system.

Our fully automated 2009ps) systems utilize our putem pending

to provide reliable and consistent operation

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



- Processing Time Reduction Extraction times have been demonstrated to us on to 3.2 linear compared to our older 156 bit is steam expection times.
- Amoran Nove Reduction. New recorder of econology clima des factions. Silv contracted competed to watern which conscious arbitration of colors of the contracted competed to watern.
- * Waste Figure Floridation Motor driven by term completely eliminates the waste near that is produced by compressed on crive systems. This reduces facility an conducation ready and conquiries the need for ductwork to manage the waste heat
- Reduced Power Consumption Improved section decree decree decree decree decree overall power regarded for the system as much as 50%. Regenerative heat exchangers are employed to in may a normal content of the system. by products and elemente the new for multiple nearest and childes.
- 1 99 et O l Gas Recovery. Gisconi CO pompioni acclural yea thin self assort O2 read an adoption minural assign monal costs and improves to their men
- a Power Faculty. Commonly as alabe, single phase 22% electron is a circulate the gater. No need to search for a facility with a phase power
- tas. Complexib and Landonauce. New operculation seels obegation argumentally level than algebras, approximate including and education adultenance costs to at much as a complexib.
- Smaller Footpoint. O enall space requires for the sistem has been reduced to 25%
- # Fally Automated At Aprile Supercritical system are fully intomate, which allows for site consistent and reliable extractions while reducing orderator shall be et and maining haves compared to manually operated wateris

ME vives Superior for the extent. The sample gave or the requiring the same from the many same for Restaurant Superior S

System Features:

- · Single or dual \$1, and \$01, a junction (issued approxi-
- · Sample to operate no complicated cantrol asteria or comparer surective.
- · Interne Wessawin reartime entire test retification of system condition abange-
- Nate: Vit cossels are leagued and manufactured in aconomics with ASME specifications and pressure ratings. Redundant safety features project the system from accidental incorporation. There is no content of the system from accidental incorporation. connections for made with proven compression fitting technology—the same fittings are used on stream and off-snote on platform—some deliber presents gages an on each presents for usual serification of repressors/autor pater or opening
- Hostonimentally F and S System conculates (102 during a magnetic and illuser for recovery of CO2 direct extraction is complete.
- the first to seem. All standess were construction. Vessers have poliched ancirons and quies opening about a mechanisms. All tubing can be removed and re-essenabled for thorough cleaning Separators collection vessels use PDA sanitive letting and connections
- Reliable VELIV is cless Expansion Technology 1—no constrictions or regulating valves to cluse elogging of the asstem and loss of preduction rice
- Elification Regenerative heat transfer significantly reduces overall energy consumption. Technical vessels and water restrentiation allow for capture and transfer of near through extraction and before the property of the p
- Effective Extraction media is contained in extraction resset with integral filters—rates aske across a bijuid CO2 dispersant to avoid channeling in the product. Reverable flow through the extractor

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 On the extractor media is extracted in the extractor medi ensures all material is extracted
- Flexible juriable separation collection (cessel 5) es ann recommente arving yield automits facketed vesses can be configured for larger differential temperature if needed.
- * bass to under final open frame using and estant indication of valve positions allows for easy assessment of flow paths and system configuration. No my derious hoves with met and oddet connections
- # Modular additional extraction vessels can be added to the system with no welding required
- Small footprint systems are designed to minimize space requirements. All inperations occur from the foot of the system
- Production (crondly integral weighing scale and system timer help users efficiently run their extractions

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System Specifications:

Estraction Vessel

- Multiple vessel continuations readable: 5 hte: 20 nter two 5 hter or two 20 trior casels
- * Valume
 - 51 case! holds no to 3 pounds of dry ground material
 - 201 vessel holds up to 12 pounds of thy ground material
 - NOTE: yessel does not need to be full in order to restorm an extraction
- * Pressure orasimom pressure 2003 psi (137 iru)
- Framerature mas (60P (71C))
- Vinterials 301 stainless step! Asset interior is possible to food grade to cl
- * Closures. Hammer Union (commonly used in our and cas industry for temporary piper), for each solegial hit is
- Serving mechanism—self-energized o-ring seals. Bunas 9) material
- * 1 this inter at filters on closure needs 20 micron aunitard office sizes a advide
- L'emperature measurement i interna: la pipe illermaca infe sonses actual e danctura tempo ature.
- factet oftan = 201 | esset (84 aere e) \$ gatton) 5t valset (154 desset 2 batton)
- Salety mon-isolable spring leaded safety relief rable merents accidental oper-pres-unization
- Maint on all a second lost reason Vessel can be used to double system capital?

PO2 Recirculating Pamp

- · Pleasage Pac PM gr. Sax
- · Construction by dranient's actuated diaparage.
- Anatomals all vertex pairs are 316 stainless steel
- Filter coalescing filter on inlet to mnamize o ; tatroduction
- Sitety in non-isolable spring scaded safety relief abig precents accidental or en-pressur zation

Suparators

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- Pressure the seman pressure the psi at hair
- Temperature up to Folf 71(%)
- Algrenols 104 stanless steet
- Closures (DA sominy style belied
- "- Scaling mechanism" santar gasket cared sincone
- Sufety non-isolable sping Goded latery rebot, all e provents accidental over pressur ratio.

Separation Mechanism

those path their extractor to Le separator is continued a districter with no constitutions. Separation accurs in a separator and separation depression/attour

Heat Exchangers

- « Construction mbe in tane style
- Minerals 3c) standess sitel
- · Cooline Helitin (medic) water

Chiller/Iteater

- · Recirculating on ler senter
- Temperature range (LOC) or FoC (LOC) to 158E)

Dimensional Information

- 31 Losses confirmations
- ≡ 20L vessei configurations

Control System

- Functions Fulls, automatic Programmable Logic Controller (PLC) touch screen interface with first level safety functionality and user programmable pressure, temperature and time. Also has built in four and maintenance timers, electronic weathing scale, and alarm log
- balety pressure transducers monitor system pressure and shul down system to prevent accidental over pressurization.
- Орноваї Data асциватол

User Supplied System Requirements

- + Extractor Flactricus 135 $\mathcal{M}_{\rm c}$ too by Eq.V.
- Chiller/Henter Elevarical (220V/AC) Labrase (9) hz. (5 V. Plug is NEMA 0-15R)
- ▼ (O" Gauson) CO2 (no dip tube) food grade or hetter. No regulator needed.
- Dispanager Pump Electrical 120A I phase 50A service. Plag is NFMA 6-50R

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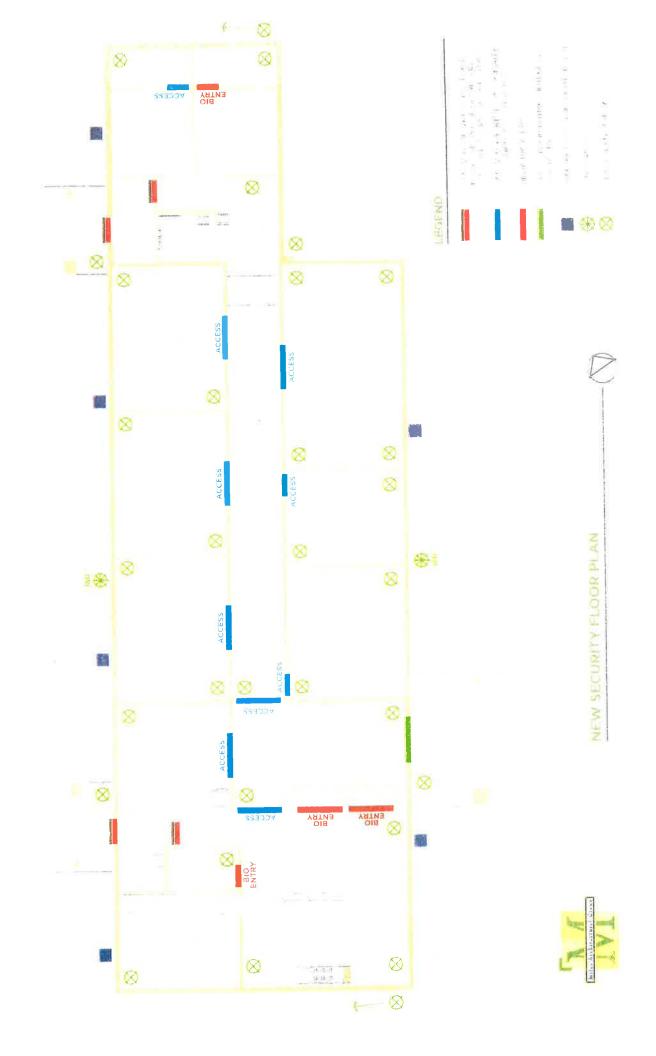
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Att margin no



T105





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 15-013 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:

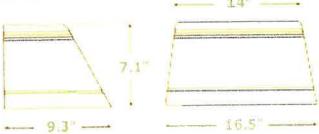
- Highest quality, long life CREE XTE R2 LEDS
- UL and CUL Listed for wet location IP65
- Long lasting die-cast aluminum housing
- Architectural bronze UV resistant powdercoat finish
- Position adjustable for 2 different light distributions
- Heavy duty silicone foam gasket included
- Extremely long life stylized design
- High quality thermal heatsinks
- Rugged product construction throughout
- Excellent CRI: RA>75
- Low 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:





Avidago Berm Angasi 50% (138%

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

Ordering:

Voltage Part # Color Temp N - Natural - 4700K UNV - 100-277V VVD31115FR VVD31130FR

Ordering Example: VVD31115FR-N-UNV















exacq\/Ision

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

Product Brochure







































exacqVision A-Series

IP Camera Servers
IP Cameras and Encoders

exacg Vision A-Series IP Camera Servers

Reliable, Professional Grade Systems

Key Features & Benefits:

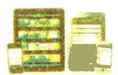
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3 fear Has dware Warranty 3: Year Software Subscription Agreement SSA: — 3-year bardware warranty and \$5A included update client, server and web server and ware with the latest exacgingon software features at no additional cost during the 3-year SSA period.



TECHNICAL SPECIFICATIONS

A-Series IP Camera Servers

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VMD Software Solutions Overview

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Try exacgVision Now!

Connect to our dense servers or initialistic server software to your corn computer and IP carriers with a full-feature free that license. Try the exacquision was browner client or the free Exacq Mobile upp. Accessories



Enterprise System Manager (ESM)



USB IIO Medula



Surveillance Reyboard



Exact Monite



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Leading * + Way, in Magazines wides

SurroundVideo Omni Megapixel IP Cameras

Use One Megapixel Surround (Inico and for a Wide Range of Requirements.)







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With Dynamic Rando



Fire Day Night



access (Naverney SAF-10)



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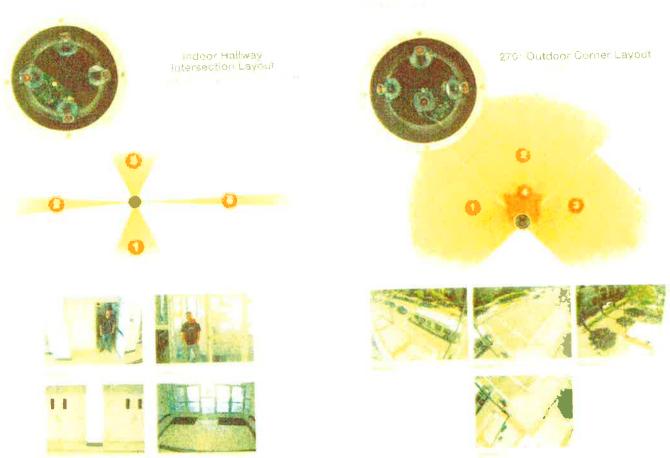
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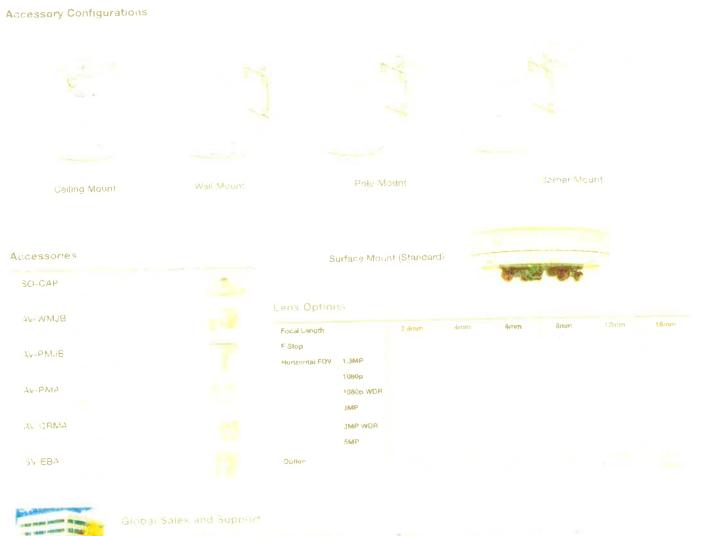
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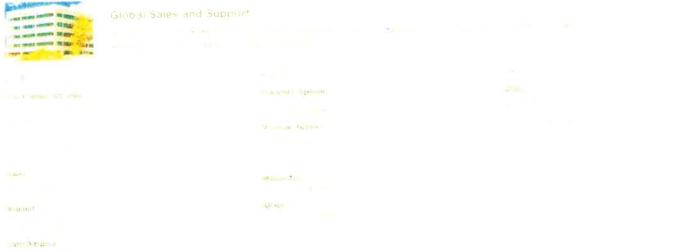
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Reduce the Number of Cameras to Improve Coverage and Simplify Installation

SurroundVideo* Omni Megapixel IP Cameras





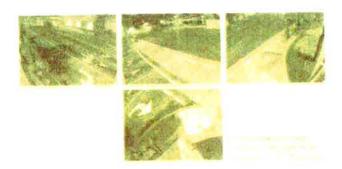


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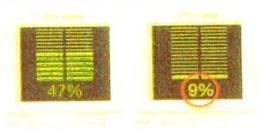
Mega Jynamic Wide Dynamic Range (WDR)



Enhanced Low Light Performance



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Compliant H 264 Compression by Arecont Vision

Model Comparison

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AT A SECOND SECO





DS-2CD2112-I

1.3MP Outdoor Dome Camera





Key features

- + 1.3 Megapixet (1280 x 960) High Resolution
- HD 729c Real-time Video
- True Day / Night Auto Switch
- . IP66 Ingress Protection
- R LEDs up to 30m
- Vandai-proof Housing

Dimensions

Specifications

	DS-2002112-1
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Available models

Accessories













DS-2CD2132-I

3MP IR Fixed Focal Dome Camera





Key features

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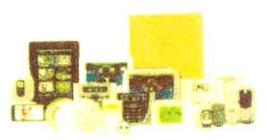
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With act and only

Honeywell

VISTA-20P

VISTA" CONTROL PANEL



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

In addition, the VISTA-20P used with an Alarmhet lintenet or 4G communicator can be installed in Temises without TELCO thes. The panel's installation advantages, innovatile and user benefits and robust system panacity trake the value-priced VISTA-20P an ideal choice for higher and installations.

FEATURES

- P alarm reporting and uploadings downloading raciability for intercet and intranet use viel GSMN4G 1843-ENT GSMV4G or GSMX4G.
- Supportation registrate conclusions
- Wireless kevs can be programmed without Land Lune.
- Eight on coald hardwired coned standard: "Slamen Zone Doubting feature is used)
- 10 take are expertation 700%
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- The row runnent or -coard finager outgets
- 100 Firen Log viewable at system keypeds with unrevitate starno
- 48 system usor codes assignable id either paintion
- Expandable to 48 total zense when used voto inertwired another wireless expansion modules
- Two independent variations plus a common partition
- Glenai Arming Iren and system keypad
- Go to function to view in operate one partition from the other
- Separate partition account numbers

- 16 octput devices
- Raleys (Mortel 4204 Relay Mortules)
 4229 Expansion Module)
- Solur installar-configurable zone wces eliowe instinataile: Ici create custom zone exces cycassigning all cone attributes
- Supports four wire and up to 15 and wire smokes
 - Works with Sentral OleanMeTM meanigenance slopel
- Maide actions on output pevides depending on system stare Turns lights of when system are
- Tiers the same light to men sustem diserrus
- Frashes same lights when system
- Built-in onone line out monitor with programmable celar and arm, quation politions
 - Display on system keypads
 - Frigger local sounders
 - Tragger system bell

Security Dealer Features

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

- Dynamic Bignaring
 - Reduces reduction in economy to the central station when multiple reporting methods are used, is builded maken in AlamaNet 1976.

Valuable End-user Features

- We van e on the sin keydads
- Existance in Figure
- Time and ria: display
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- Auto Kawasa is kiraning on som
- Keyswitch armining
- Programmable source sufficies informatingle-buffer armets
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- User Schedilling
 - Latonkev land 15 m Lagera
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- User access lime wholews
- VIP Alodule allows system control from any fought insightnee.
- Chime by zone
- Fully corncaticle with Honeywell Total Connect. Renk. - Services

Redures light in dot a kerpad

VISTA-20P

VISTA* CONTROL PANEL

SPECIFICATIONS

Electrical

- · Aux, power 12/05, 600mA meximum
- Seven hour standby at 400m4 aux. load with four amp hour batter.
- 16.5VAC/25VA transformer
- Namic stout 12VDC 2.0 amps max; For JL regalations combined and end

Output Control

- · Supports no for bur relationaris
- Optional (+1) manafement intertace cartine 4300) may be used to bontrol up to the X-11 recenting nevices

Zones

- Eight hardwined cones
- Selectable rashonse "Chasen
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- Programmacie swinger succinession

Expansion Devices

- Part of a ray grows = 1x⁻¹
- L204 Up to our relate 150 fill standb leach active relay provision
- 1220 Eight familities solles and the

Accessories

- · CSMMdG to empt and Ctgit if
- · PASS TIME III BRIDGE paper communicate

- GSM/4G Ölgif il Callelar Correctioneater With Remote Service Capacillity
- GSMX4G Digital Deligial Communicator for MSTA Control Paneis
- 638 (ENL RF Receiver supports) up to sight zones + 60mA
- · 5881ENM Support up to 's zones - burnA
- 5291 ENH succorts up to 48 zones - BūrnA
- 5883 Transceiver supports to the

Keypads

- F162 Chetom Art a Security Kerdad
- 81 621 mide Guston, Albhe Beolim
 Keybad 6umA, 196mA
- 6, SZPF Custoir, Alpha Rede ler Security
- 6152 Fixe(r-6 rg/m²) 3€ / 15 Ke/m²);
- €152 verbs Fixed-English Seturit
- 5 52PM 6 152RFSB Fixed-English Flanus
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Agency Listings ETL listing

· Residential Fire and Burgian.

– Housenoki fire Naminu System: Units - AMSI/U 965 2000/06/26 (5th edition) with revisions 10 fc 2004/04/29

Smoke Detectors

- Зиррота исто : поможите втоке detectors
- Supports four-wire amoke 04.5 pms

Communications

- GSMN4G Inteiner and Digital Dair len Communicator will Reinsre Sellice Capability
- 1845I-ENT Er rant se Intan e
- QSMV4F Digital stular Con Humbato with Rammie Sen ine Capability
- GSMX4C Digital Latelar Classicator IIII.
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- AS STORY DESIGNATION
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ORDERING

VISTA-20P

Control Par el

VISTA-20PSIA

Control Panel for CP-01 SIA Certifications

For more information:

Automation and Control Solutions

Honeywell Security Products Americas 2 Corporate Center Dr. Suite 170 P.O. Box 9040 Melville NY 11747 www.honeywell.com

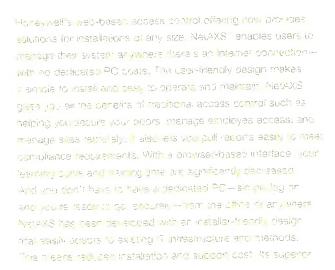
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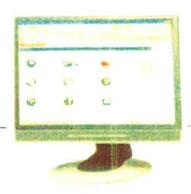
Honeywell

Honeywell

NetAXS^M

Web-based Access Control System





politically means you can purchase the sixual amount of access control you need now — and add doors latel as pusiness needs change. Plus the AXS integrates with moneywell's fully-leatured with LPAK software to enable more in busicand sophisticated that AxS integrations. So as your stisting grows. NetAXS grows

System Highlights:

- BIMPLE, Manage inter access control anythere with an internet or sector
- BCALABLE Placenass the exact sincluded access control
 roughts and easily add on is late.
- FUEX BLE Coincatible with MM4-Park IIAE MMN4P Ark SE MIN4P MK PE and MM4-PAK PRO Colimanaged accessi software

NETAXS OFFERINGS

ENER USCHES AND ADD ON BUARDS

1	NX1P*	Netal/2 116 fine ocur compact placaci emblusum
Door	NX1MPS	hereis its the nemand stole enduction will also up upper and taller.
	NX1P*	hartAx8-123: Dne door inchestic enclosure —and —
2	NXD1°	NarAXS 123: One doze ukla-on poerd
Doors	NX1MPS	NetAXS-173 time door standard stretal) enclosure with bower solety and better-
	NXD1	NetAXS-123 Une decripage on occard
3	NX1MPS	NetAXS-123: One door, standard (metal) enclosure with power supply and battery —and —
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 (deluxe enclosure)

1450 mA & 12 VDC is the insurbation current available to power stake readerful and input devices when using a 802 Jaf Power Over Ethernet (PoE) connection. It additional current is required, an external 12 VDC power supply is needed.

NetAXS™

Web-based Access Control System

SYSTEM BENEFITS



User Friendly

Easy to use landing page unusues a user hench exhenence so you can provide and user witting in less train 60 minutes whitemer or he showing tolerances? Who as use he basic parameters such as me concessful access what for reaching negligibles to add to detect pards, even mine you become all costed on one page. Simply loging would all provider a address and having steam likes our would are provider as are



Dynamic Screen Updates

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Alabins, avents, industs, uniquits, and status somens all and mescally totate as information is received.

Data transfer between the controller and treb prowsers han been softmixed to reducir bandwidth requirer ents, in proving sersen response times.



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

Ethernet Virtual Lock. Shill, a NerAh3-120, 5, hreature its tweethosted systems. But its not subcorted by viN-PAK, allows up to 16. Pinetwork on estep NetAKS-120 contribers to be managed as a group line group is called a Nith at Loop, as its functionality is similar to an RS-185 k to also react to virtueral. Sill and one course eleases or NetAKS trainare. NetAKS-120 trainate and large previous personal sill and one contribution in a same subcrist as the pateway bine are automatical, its notionared by the gateway cancel greaty in budging retailation line and making sustain expansion says. System. In give AKS-4 or a may metAKS-120, and NetAKS-4 thus your RS-155 to look trainate.



Door Access Modes and Options

FletAXS allows volute assign cardheiders different evets of access. Supervisor access allows an employee this asset their card points to the reader to and inclinational access of the all pervisor presents their pard types, they enable access for their reach during the specified time zime.

Escort access requires a supervisor escort for a non-supervisor randholider. The supervisor must present no card first, then the mon-supervisor must cresent no card within ten seconds.

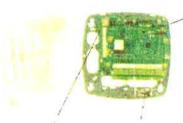
NetAXS

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 wet: browser or WIN-PAK software
- RS485 or Ethernet: Connect panels downstream and/or connect to WIN-PAK software
- USB Port: Easy setup and diagnostics from your labtop
- · Color coded terminal labels
- · Removable terminal blocks

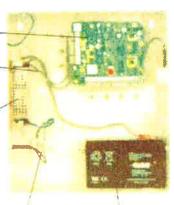
NetAXS-123 Standard Metal Enclosure

Multiple Tie-Down and Grounding Points

 Cleaner and more consistent installations

4 A, 12 VDC **Power Supply**

- Universal mout 1100-240 VAOI
- 8.5 A available to power accessories - over 1 A o dewar sach tiper

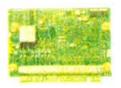


Terminal Block with Ir put Fuse

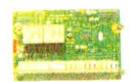
12V Battery Backup

NetAXS-123 Add-On Boards

NetAXS-123 One Door Add-on Board

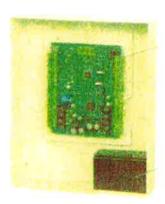


NetAXS-123 Two Oper Add-on Board



NotAX5-4

NetAXS-4 Standard Metal Enclosure



Control Panel (NX4PCB)

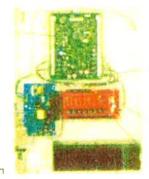
- · On-Board Ethernel Port
- · Built-in POI Function
- Multiple Communication Paths
- Color Goded Terminal Blacks

Power Door Locks

12V Battery Backup

Noise Suppression Filter

NetAXS-4 Deluxe Metal Enclos ire



Pre-Wired Panel Design

Fire-Rated Lock Power Release

Fused Relay Distribution Module

Convenient 110V Plug

24V Battery Backup

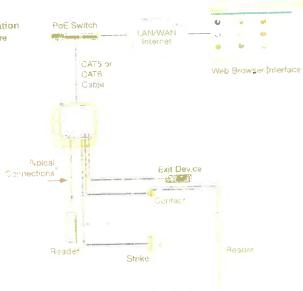
NetAXS[™]

Web-based Access Control System

SYSTEM OVERVIEW

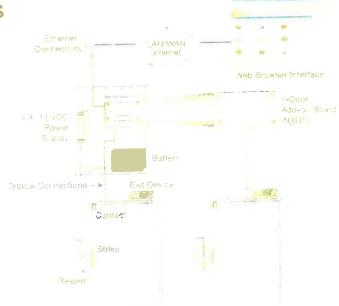
1 DOOR

Typical PoE Configuration Compact Plastic Enclosure



2 DOORS

1 Door Standard Metal Enclosure snown with 1-Deer Add-or: Board



- And strobately art wild PAR's (E) MIN Nr. 31. With PAR PE and WIN-PAR Factor OS (Manager) is about
- when using an its and Quill reader 30 TSI readers must have HOLL, invis-
- 3.14 mg/l²2 VIX, is maximum available to cower strike readers—in dimout devices wheth rung a 902 dail PoE connection, it unit is externally powered with a 12 VDC supply. Tigner, numerities wasterfie.
- SB compatibility for local configuration
- 1-golv addi-on board compatible with compact plastic andiosure

- 8. Regume to a dramatic covver when used in poinpact closuc enclosure
- Edgor 4 (d-or locard is not our patible with compact plastic enclosure
- 9. When mixing NerACS 123 and 1-door NetACS flietAXS-4t our inclient the NetACS-127 mind be 15-holdered as the linet or gateway.

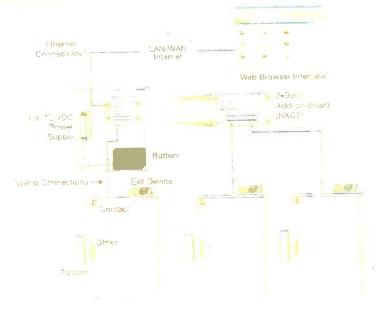
NetAXS[®]

Web-based Access Control System

SYSTEM OVERVIEW

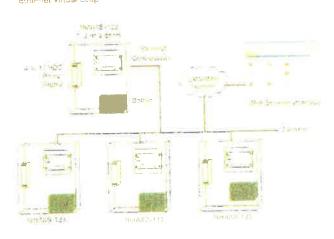
3 DOORS

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



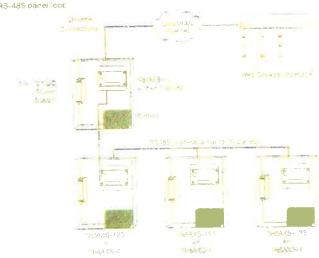
>3 DOORS

Scalable Ambitecture Ethernet Virtual Loop



>3 DOORS

Scalable Architecture 93-485 panel look



- NSO SCHOOLING WITH WINLEAS IN SECULTIVE SECULTIVE AND SECULTIVE WITH ACCURATION ACCURATION.
- When using in the and OUT coader, Build by decisionate and Build where
- Find that 11 VDC is maximum invalance (0.700 m Mins), that is a minour decise when using a 900, hall finds come short in in this accentable disversed with in 12 mm, https://linking.com/mins/volumes
- _ 1383 : ompaables for tot as continuation
- 5 door inde-on board compatible with constant plastic encount

- Regures exit, let usinfor then used in porme intribute at the delice.
- 2-duor aug-lin poard is not compatible, with compatible set blastic artifolium
- When make Meth/3-120 and 4 door Neth/95 The MXS-1 controllers the Meth/S-23 make be politiqued as the first line on guillaviay.
- 1 NerAXS-121 in Northier supports Etherent pd., 41 doc [79] NerAXS-4 LOGENCH SUPPOPERVIOR Branch by and instrumbled instru-MerAXS-125 panels

SPECIFICATIONS AND FEATURES

	100	NetAXS	-123	Red X	A STORY OF THE REAL PROPERTY.
		NX1P	NX1MPS	NX4S1	NX4L1
3	Door/Reader Capability	1 DOOR Controller ^{1 4}	1 2 or 3 DOOR Controller (NXD1 or NXD2 add-on board is required for 2nd or 3rd door)	Four READER	
	Expandability	Expandable up to 93 DOORS (180	6 readers) per controller loop ^{2 3}	Expandable up to 124 doors (124	readers) per controller loop ²
KEADENSAUURS	Dual Reader Control Capability (IN/OUT Reader per Door)	YES ⁵ - IN and OUT read (readers must have b Standard Wiegand	IOLD fine capability)	Standard Wiegand p	rotocol supported
	Reader Compatibility	ABA not s	upported	ABA not st	
	Number of Gutputs	Two SPRT relays (jumper se por stock rated in Two noun collector notice reader LED rates and stader but	1 3 A @ 28 VUC 1 000 :16 ma. 12 VOC:	Egynt SPDT, Farm Ciletaya Eight open polencion intput 4 rearier LED Abb Totalu (Aux Outbut) a	8 00 (18 mm 12 900) in and 1 imader overst
OUTPUTS	Օսիսփ Expandability	2-deer solution has 3 total outputs: 4 relays 4 00 (requires NXD1 add-on board)	2-door solution has 8 total outputs: 4 relays 4 30 irequires NXD1 add-on board! 3-door solution has 12 total outputs: 6 relays, 6 30 irequires NXD2 add-on board!	d-door solution expands ising a maximum of to (4)	able to 72 total outputs NX40UT relay output coards
	Relay Power Source	Selectable: #12 VBC 0 to 28 VBC extern	sett-powered - OR = alty supplied source	3 to 28 VDC externally supplied source	-24 VDC self-powered
	Number of inputs	esting : Factory riefault settings are	gurable four-state supervised input Status, REX, Reader Tamper A. Reader ad and General Input)	(4 configurable four state	e supervised 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)	4-door solution expandable maximum of two NX4	e to 78 total inputs ⁵ using a IIN relay input boards
	Power-Fail and Panel Tamper	Yes	Yes	Yes	Yes
	Off the Wall Tamper Casalilly	Yes		126 VAC 6 A 60 Hz input for 138	This was so H- 2 A normal liver
PUT	Enit frout	Power over Ethernet (PoE) 302 3af or external 12 VDC supply	93 VAC to 264 VAC. 50/60 Hz input provides 12 VDC, 4 A output	transformer provides 15,5 VA: -> 50 VA output	input oroyides 24 VDC, 6 A output
POWER INPUT	Secket or Hardwire AC input	Power over Elhernet (Pož gr −12 VDC	Yes ×12 VDC from included power supply	15 5 VAC iron includes Well mount transformat	Yes +24 YOC from included powe
	A control denter of	450 mA 12 VDC is available to Tolle		600 mA spokery correct, avadable to power the	600 mA auxiliary current available to power the readers and other
TUTPUT I	Power for Readens) and Input Devices	strike reader(s) and imput devices when using Poli- if nigher current is needed, power of	readers	number and littles devices next strikes intest be	devices 1.1.4 per door for locks strikes (4.4 A @ 24 VDC total
POWER	Power for Locks/Strikes	external 12 VDC supply External ^o	12 VDC, 7 AH battery	externally powerfel 12 VDC 7 AH batter)	Two 12 VDC 7 AH patteries
	Backup Battery System Material	High Impact Plastic	Vietal	Metal	Metal
ENGLOSTINE	Physical Enclosure Size	7.76 H < 7.75 W < 2.75 D	139 4 c 119 W x 4 7 'D	18 H < 15 W x 4.5 D	23 9" F x 17 7 W x 1 D
MOLE	Wiring Access Holes/Knockouts	Ē	19	δ	30
	Removable Terminal Blocks with Color Coded Labels	Yes	Yes	Yes	Yes
INSTALLATION	Graphic Wining Cards/Labels	Yes	Yes	/es	Yes
A P	Captive Mounting Harriware	Yes	Yas	Yes	Yes
- S	Cable Shield Termination Points		Yes Global Geographic T		700
	Real Time Clock		Daylight Saving	Time Support	
10k	Clock Synchronization		Yes - via NTP n		Coldfire 32-bit
MAT	Processor		Coldfire 32-bit		
FOR	System MTBF (mean time between failures)	250,	000 hours		000 hours
SYSTEM INFORMATION	Temperature Ratings		32 to 120 F (0 C to		
YSTE	зантрегация пашнуя ————————————————————————————————————	DE and I	-67 to 185°F (-55 C FCC compliant	CE and FCC compliant	FCC compliant
in	Certifications and Approvals		294 listing	UL-294 listing	14294 listing

SPECIFICATIONS AND FEATURES

(la	OH TOATTO	N-WXS-	23	ISAX				
		NX1P	NXTMPS	NX4S1				
LEDS	Status LEDs	12 LEDs total /12V oower PoE, over cur door state run re	elay status)	13 LEDs total (Power jivstein downstream reade	ers, relay status)			
-	Built-in Communication Octors	Sthemet USB ⁸	RS485	Elberne RSJ				
COMMS	VO Expansion Module Connectivity	Use RS485 port to connect a maximum (4 output and	2 input;	Use 95485 port to sceneer a m modules : 1 butp Total of 3 - gane	ut and 2 input;			
2	Controller Loop Capability	Total of 16(EVL) 31 RS485	n panels in a loop		19 10 10 000			
	Software Companionty		WIN-PAK XE/SE/PE/CS	See Note 9 Deluw	,			
	NetAXS 123 as Gateway Panel	Supported	downstream panels include NetAA	S 123 and NetAXS-4 See notes 2 &	1			
HOST	NetAXS 4 as Gateway Panel	Currenti	v supported downstream panels inc	clude NetAXS-4 only See notes 2.3	uca nea			
Ŧ	using PCI3 Converter	Supported of	lownstream panels include NetAXS	-123, NetAXS-4, N-1000 tam iv and	102			
	users N-485-PCI-2 Duriverter		Not compatible with Net	AXS-123 OF NEGAXS	card expire on tota			
75	Jear Central Modes	Card unity pard and PML ca first	; card rule, snow day rule, time zor	bled supervisor escon, limited use he loggle anti-passocies dure 1.3 Hes	१४६०, ७५०। ५ ०। १ तत्त्व			
CONTROL	Interlocks (or custom actions	tes II	Yes Lecal and global capacitity, par	7-				
	Anti-Passback Capability	NetAXS-12	Legal and global capacity. Par 3 allows anti-passback using in an 10,000 card capacity. In	d But readers per door (local a id gli	eoni, ^v			
	Card and Event Buffer Capacity	Nu noos	d Bach namen for field firmware	evision podates and feature expans	101			
	Firmware Revision	JI-0CaV	Card and configura	tion databases				
3	Giffline Database backup available	1	Card database alarms and	events (CSV formati)				
ABA	Export Capabilities		128 unique card formati					
DA	Number of Card Formals		4					
pur	Site Codes	75-bit imaximum card ≠ = 64-bitsi ^{5, 2}						
CARDS and DALABASE	Maximum Card Format Size		13 01 11021110					
CAR	Time Zones		128					
	Access Levels		255					
	Holidays	1	Yes	Yes	Vgs.			
- SS	neograted basis imports	1,38	res	tas	Vag			
	Alarms and wrents can be	(e)						
REPURTING	Avenue and Seven &	Yes	fes	y. Yes	198			
(E)	alliane storage			1.44				
	Supported Browners		internet Explorer at	MOZINA PROPIN				
_ æ	Con Orwen sanding Fago	/es	control monitor and come live paget	s reamually control doors and reade	rs			
EMBEDOED NEB SERVER	Web Boowser Quittoil	-un	All access 100	trei functions				
SE	Web Server Support Secure Web Browsing		SSL and SHA-1 secure s					
A E	Ownamic Screen Retrests		19	S .	l lan			
		Yes .	Yes	¥es	/es			
	Muttiple user connection		The second secon					
		End of Jahan French, Outen Spenish	The second secon	no English Italian, French District is				
ILITY /	Multiple user connections Robal Labbuages Supported Season decompilation		Ctech Simplified Chinese and Armo Outch, Spanish Chech, ese and Probin		ranish Guerra and Simplified Ch			
TABILITY	Regal Lebauagen Suppermit	Ent. sh. talian, French, Outch, Spanish English, Italian French, Sunolified Chin Yes	Crech Simplified Chinese and Arm Outoh, Spanish Chech, ese and Arabio 7es	= 3	ar an Overcland Simplified Ch			
CEPTABILITY	Robal Lenaueges Supportant Senaut discongulation Quick Start Suides Full User and lestallation Suides	Enduch Jakan, French, Outch, Spanish English Italian French, Sunohihad Chin	Ctech Simplified Chinese and Armo Outch, Spanish Chech, ese and Probin		ranish Ovens and Simplified Ch			
IDE ACCEPTABILITY	Pubal Leihauagen Gugberrati Feillen disconernitaties Quick Start Guides Feill User and Installation Geides Multi-Language Beein Installation Guides	End sh. Jalian, French, Outen, Spanish English Italian French, Sunolified Chin Yes on grodust 23 Yes	Crech Simplified Chinese and Arto Outph, Spanish Chech, ese and Arabio (es on product UD Yes	Printed	an an Overs and Symplified Ch			
LUWIDE ACCEPTABILITY	Pubal Leitabagen Sugborrati Ferneri discreptibilities Quick Start Guides Full User and Installation Suides Multi-Language Basin	End shutalian, French, Outch, Spanish English Italian French, Sunolified Chin Yes on product 20 Yes Customer ability to export in	Chech Simplified Chinese and And Outch, Soansen Chech, ese and Prabin /es on product UD Yes Import, nuclify create and add. and	= 3	an an Overs and Simalifies Ch			
WONLUWIDE ACCEPTABILITY	Pubal Leihauagen Gugberrati Feillen disconernitaties Quick Start Guides Feill User and Installation Geides Multi-Language Beein Installation Guides	End sh. Jalian, French, Outen, Spanish English Italian French, Sunolified Chin Yes on grodust 23 Yes	Crech Simplified Chinese and Arto Outph, Spanish Chech, ese and Arabio (es on product UD Yes	Printed	an an Overc and Simplified C right			

- A second door may be added with a MXD+ odd-on beard dowerer. PoE bower restrictions apply (see footnote 4)
- RS-485 ganet loop: A total of R: MetAXS-123 and NeOXS-4 ganets may be combined in a positioffer loop for a minimum of 125 spork Ethannel visitual Loop (EVL). A local of 16 NetAXS-123 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
- 3 When mixing NetAXS-123 and NetAXS-4 controllers. NetAXS-123 must be trie gateway. Panel and the panel toop must be 95-485.
- 1. 450 mA, 12 VOC is maximum current available to power strike, reader(s) and input devices when using a 302,3af PoE connection. If unit is externally powered, higher current is available
- 5. When using WIN-PAK software, this feature may have limitations or not exist.

- 4 An external UPS is required to power the PoE ocwer's ince for pattery backup.
- 7. Suitable for nanding the 75-bit transparent card formula of PIV, TWIC and FRAC cards.
- 8 USB oort for setup and apublishooting.
- 9 WIN-PAK software compatibility for NetAXS
 - a) All NetAXS iversions programmed as an N1000:

WIN-PAK SE WIN-PAK PE WIN-PAK PRO CS, WIN-PAK CS 4.1

WIN-PAK 2005 WIN-PAK PRO 2005 WIN-PAK 2.0 Release 4

- b) NetAXS v3 x, WiN-PAK v3 0-3 2 (Builds 670-14 or greater) or WiN-PAK CS 4.2 (Build 1017 33 or greater)
- c) NetAXS v4.0 or greater, WIN-PAK v3 3 (Build 670 21) or greater or WIN-PAK CS 4.2 (Build 1017 33) or greater

NetAXS™

Web-based Access Control System

ORDERING

Part Number	Description
South NS-123	the substitution of the su
Door Solutions	
NX1P	NetAXS-123 One (GD) (Cimpatt spasto encipsure: PoE or externally powered
NX1MPS	NetAXS-120 One door, standard (risetal) enclosure with ramper switch and ferminal block Include: 4.7-12 vDC autoul/100 240 VAC metripower's body and 127-7 AH carter;
Add-on Boards (For 2	and 3 door solutions)
NXD1*	NetAXS-183, One door ado-on beard (Adris 1 door to your existing 1-door system = 2 doors)
NXD2**	NigraXS-123. Two doplinadd-on board: (Adds 2 dours to your existing 1 door system = + ricons)
NetAXS-123 Compone	nts & Accessories
NXC1	Met NXS-123 Corlinal Board pro-
NetAXS-123 Access C	ontrol Starter Kits with Readers
NX1P10	New VS 12 Pinchwise NRTP One and its moad loastic and assistant III OP CHONP mentionulatives with reader
NX1MPS10	MeVAS-123: Indicates NATMPS The local standard metall engineurs with cower allows and path or and in DPT9HONE menuling province province.
NXD10P10	NexAVS 1CT throughs NACT One oper see on and it OP to-CMP on inverse proximity leader. Alice 1 Joseph Louis existing 1-source supprise 5 to one.
NXD2OP10	MerexS- visit includies NADZ Tixo local address you in 2 ICP 10H GNP in a required proximity readers tAdds 2 to the to your skill all posts and the 1 Idea of the control o
Martin No.	
NetAXS-4 Web Based	Access Control Panels
NX4S1	Marky'S-k; 1 Door Control Pane - Standard Entitluine
NX4L1	MetAXS-1 Pre-wires 4 Door Control Paris, Celture Endicature
NX4PCB	ModikiS 1 hegykiS PIGE Board kith Mishballand 4 Surge Bundrassor's
NetAXS-4 Access Cor	ntrol Starter Kits with Readers
WPNX4L30	CHELAXS - IP Report Anciest Starter Kit With U. N. Park "QuaS" CALLIE Standard Problems Districting of GRACHENG NAME December 1 D
WPNX4S30	NejaxiSut (Pileguis, Auropsa Siamer Karluth, MRI PAK, NYUS / Standard Endosulia Dallor landirá i POSHIGNE Abdi un Projumay Readem
NX40P30S	Mounts A tractive with Stundard Shopping and Stundard Ribbot based inclused Floor in climbia, LFTCHON P
NX40P40S	Negatives in the present Ended the along target was made to be suit door start to the month
NX4OP30L	Name (See Aget MAS) with its take Englished in Summarions Virso based in case. Outside Kit with a ITE of the Mas
NX4OP40L	NEW ISH I MODARS WIN Colors Endos Pennadre rived dassau i cress - Liter K. Wen III-CP - FLONE
NetAXS Accessories	
NX4IN	Negacis Singui Brown - 32 industricer trian in Trius in Zilver pare. Town 64 industri
NX4OUT	NetAkS Cutpot Buant - Telelay Danisary Conviet - Jer bane Final 3 Bay)
External power adapter required for NX4IN and NX4OUT	mon. 13. 2.(3).d (.15. 35 t) ar
NXIOENCKT	Druble to infliendesure for twild 10 to 4.7

For more information:

www.noneywell.com/security

Automation and Control Solutions

Haquilles external cowo when used in no ripacing asid shifting its 2-whore something them is a recoverable, with connects divisite accounts

Honeywell Security Products Americas 2700 Slankenoaker Pkwv, Suite 150 Louisville, KY 40299 1 800.323 4576 www.honeywell.com Honeywell

t, NXS 12 년 Septiminary 2 HT 참 (VI) 1 Thorey 2 enterpolational Inc.

Danf

From:

Michael Bove <mrbove2003@yahoo.com>

Sent:

Friday, February 13, 2015 6:03 PM

To:

Dan Flannigan

Subjects

Fw: equipment list

From: Sjoerd Broeks < To: Michael Bove <

Subject: equipment list

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

Thats the link to the exhaust fan, I per bloom

room

Thats is the inline Uvonair ozone system, we are

using the CD1200 1 per blocm room

Thats the charcoal filter x2 for each bloom

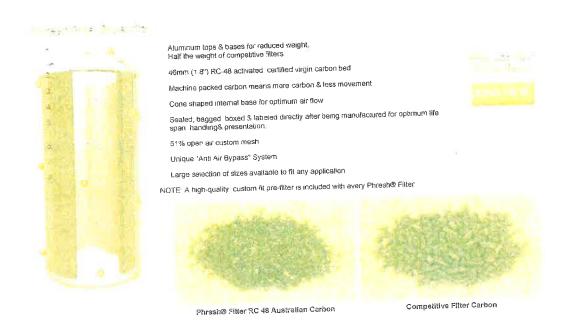
room, each filter is 950 CFM. The part number is 701025

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

Sjoerd Broeks 800.556.9892 x701

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UVONAIR CD

Modèles : Éliminateur d'odeurs

CD - 1000-1 CD - 800

CD - 1000-2 CD - 1200

Considérations pour l'installation :

- Veuillez ilre toutes les directives avant de procéder à l'installation.

 1) Les générateurs d'ozone Uvonar CD sont conçus pour traiter les odeurs dans les conduits d'aération pendant que l'air est est es générateurs d'ozone Uvonar CD sont conçus pour traiter les odeurs dans les deux CD-1000 doit être installe dans un conduit de 8 po (20 cm). Les deux CD-1000 doit être installe dans un conduit de 12 po (30 cm). Les adaptaleurs de conduits conduit de 10 po (25 cm). Le modèle CD-1200 doit être installe dans un conduit de 12 po (30 cm). Les adaptaleurs 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. L'installation d'une unité plus petite dans un
 - Dans la plupart des cas. le modèle CD-800 et modèle CD-1-1000 traitera foutes les odeurs évacuées hors des pièces dont la superficie ne dépasse pas 20 000 pt² (600 m²). Le modèle CD-2-1000 traitera foutes les odeurs évacuées hors des pièces dont la superficie ne dépasse pas 40 000 pt² (1200 m²). Le modèle CD-1200, dont le débit est considérablement plus élevé. Traitera foutes les odeurs évacuées hors des pièces dont la superficie ne dépasse pas 100 000 pt² (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 pt (5 m) de l'extrémité du conduit
 - d'échappement afin d'assurer un temps de reaction suffisant les odeurs. 8
 - Lorsque vous utilisez un ventilteur placez toujours l'ozoneaur du côté sortie ventilateur

3

Installez conformément aux normes de sécurité sur l'électricité de voire localité. Fournissez une alimentation électrique de 110 volts 60 Hz au générateur d'ozone Uvonair 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 mune 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

Fixez les deux supports fournis au haut de l'unité à l'aide des quatre vis déjà en place. Fixez les deux supromental de la supromental de la servez-vous que l'unie v. 2. Fermez le ventilateur et assurez-vous que l'unitate l'action dans un conduit de métal : 3. Pour l'installation dans un conduit de section de

- Fermez le ventilateur et assurez-vous que l'unité Uvonair n'est pas branchée.
- Il sera nécessaire d'enlèver 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 précise du conduit puisque celle u peut varier selon l'installation du conduit existent 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 fixés sur les supports à un crochet ou à un clou enfoncé dans les poutrelles supéneures. Procédez au réglage final après l'installation finale. Q.
 - Insérez l'unité dans les conduils existants jusqu'aux arêtes de montage et rendez l'installation hermétique en utilisant du ruban adhésif en toite ou des crampons de serrage. O

Pour l'installation à l'aide d'un conduit llexible a) Enlevez 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 ပော် ထွဲ

ruban adhesif en toile ou de crampons de serrage

Les modéles Uvornair CD comportent deux réglages de débit,«High» (élevé) et «Low» (bas) afin que vous puissiez régler le niveau des odes odeus. Le modèle CD-1200 produire des niveaux d'ozone très élevés lorsqu'il est réglé à «High». Déterminez le niveau d'ozone requis en surveillant le niveau d'odeur de flair évacué. Les niveaux peuvent verier au cours du cycle croissant. Ces unités n'ont pas besoin d'entretien.

Garantie et politique de réparation. Les unités Uvoriar 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 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
- 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**snair CE

Eliminador de olores Eliminateur d'odeurs Odor Eliminator

Models/ 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

UVONAIR CD

Ozone by Corona Discharge Odor Eliminator

CD - 1000-2 CD - 1000-1 Wodels: CD - 800

CD - 1200

Ozono por efecto corona Eliminador de olores

CD - 1006-2 CD - 1200 CD - 1000-1 Modelos: CD - 800

In-Duct Ozone System

Installation considerations.
Please read all Instructions prior to Installation.

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 1/20 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. 1f. (600 m²). Model CD-1000-2 will treat all odors being exhausted from rooms up to 40,000 cu. ff. (1200 m²). Model CD-1200 with its significantly higher dutput, will treat all odors being exhausted from rooms up to 100,000 cu. ft.

(3000 m²). For extreme adors it is better to use the higher output unit.

Position the Dyonair generator it possible a minimum of 15 ft. (5 m) from the end of the exhaust duct to ensure adequate reaction time with odors. 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.

<u>Electrical reoutrements:</u>

<u>Initialal in excordance to focal electrical standards.</u> Provide 110V 60Hz electrical power to the Uvonair CD ozone generator installar in a coordance to focal electrical standards. Provide 110V 60Hz electrical power to the Uvonair CD ozone generator synchronized with the ventiliation fan. As a safety feature. Uvonair CD unit must be working in tandem with the ventilation synchronized with the ventilation fan. As a safety feature. Uvonair CD unit must be working in and a surge protection fuse, ethabats fan. Uvonair CD is equipped with a 8 ft (2 m) cord with a grounded three-prong plug and a surge protection fuse.

Installation: 1. Attach th

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.

For installation into metal duct:

If will be necessary 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. Support the weight of the unit with duckhanging wire from the support bracket to a hook or nail on the joists above. Make final adjustment after final installation. n'

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

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For installation using flex duct as an option: a) 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 arriight with duct tape or

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

No maintenance is required of mese units.

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

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

Sistems de ozono en conductos

Factores a tanar en cuenta en la instalación: Sirvasa lear todas las instrucciones antes de la Instalación.

Los generadores de cono Uvoneir CD son diseñados pare tratar los alores en los conductos de ventilación a medida que expusa ela aira. El modelo CD-1000 por instala en sonductos de 8° (20 cm). Ambos modelos CD-1000 por instala en sonductos de 10° (30 cm). Se puede instalar en conductos de otros conductos de 10° (35 cm). El modelo CD-1200 es para conductos de 12° (30 cm). Se puede instalar en conductos de otros la syuda de adeptadores. La instalación de una unidad más pequeña en conductos más grandes puede

restringir la circulación de sire.

En la mayoría de los casos, los modelos CD-900 y CD-1000-1 puede trater todos los olores que se expulsan habitaciones hasta de 20,000 pies cúbicos (12,000 m²). El modelo CD-1000-2 puede trater todos los olores que se expulsan habitaciones hasta de 40,000 pies cúbicos (12,00 m²). El modelo CD-1200, con su capacidad considerablemente mayor, puede tratar todos los olores de habitaciones hasta de 100,000 pies cúbicos (3,000 m²). Para olores sumemente mayor, puede tratar todos los olores de habitaciones hasta de 100,000 pies cúbicos (3,000 m²). Para olores sumemente mayor, puede tratar todos los olores de habitaciones hasta de 100,000 pies cúbicos (3,000 m²). Para olores sumemente mayor, puede tratar todos los olores de replacidad.

Si es posible, ubique al generador Uvorair a una distancia minima de 15 pies (5 m) del extremo del conducto de escape para garantizar un tempo de reacción adecuado a los olores. Si utiliza un ventilador ubique siempre el generador del lado de la salida del ventilador.

Requisitos electridos.

La instaleción debe realizarse senun las normas electricas totales. El generador de ozono Uyonair CD daba conectarse, la instaleción debe realizarse senun las normanes electrica de 110V 6014s. Como caracienteto de segundad, la corriente a la unidad sincronizado con el ventilador, a comente electrica de 110V 6014s. Como caracienteto de segundad, la corriente a la unidad buyonair CD debe apagares quando se apaga el ventilador. El generador Lyonair CD viene equipado con un cordon de 6 ples 12 mi, con un entitule de 3 palas conecíado a tierra y un fusible de protección contra la sobretensión.

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

ya mistalados en su lugar.

Apague el venillados y cerciorese de que la unidad Dvonair no esté conectada.

Apague el venillados y cerciorese de que la unidad Dvonair no esté conducto en el lugar donde se va a insialar la para la mistalación su un conducto merálico;

Es necesario reconer un tentro de aproximadámente 11.5 "(29 cm) del conducto en el lugar donde variar, dependiendo de la la Es necesario reconer un tentro de aproximadámente 11.5 "(29 cm) del conducto consulte con un tentro de aproximado de la la conducto existente y de la posibilidad de abusala de abusa

c) Introduzze la unidad en los conductos existentes hasta los rebordes de montaje y selle herméticamente

adhesiva para conductos o con abrazaderas.
Instalection opcional utilizando conductos flaulbles:
a) Reconte un tramo de 36' (31 cm) del conducto.
b) Conte dos piezas de 17' (43 cm) de conducto flaulble de 8' (20 cm) de diámetro.
c) Coloquetos a cada lado del generador Uvonalry luego asegúretos al sislema de conductos y selle herméticamente con c)

cinta adhesiva para conductos o con abrazaderas

Modelos Uvonair CD tienen gradusciones de salda alta y baja de manera que puede graduarlas según el nivel de los olores. modelo CD-1200 produce, en la gradusción más elevada, niveles muy altos de ozono. Para determinar el nivel de ozono necesario controle el nivel de olores del aire de escape. Este puede variar durante el ciclo creciente. Estas unidades no requieren de servicio de mantenimiento.

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

Llame al rebricante al 1 800 765 2098 pera solicitar el número RGA (número de autorización para la devolución de

Los erivios deben ser con flete pagado y deben incluir el número RGA. Los aparatos cuya raparación este cubierta por la garantía, serán reparados sin cargo y devuetros con el flete pagado dentro de las 24 horas de habertos recibido.

ADVERTENCIA Se recomienda para usos comerciales. El ozono, en concentraciones superiores a las .05 PPM, pudiera ser dañino para la Se recomienda para usos comerciales. salud. El ozono tiene una vida media de ~ 30 minutes, 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.

-Small Airtight

-Easy Installation!

-Light Weight & Compact



Max-Fanty Series

The Max-Fan Saves Space!

The Max Fan Saves Energy! -Extremely energy Efficienti

Housing!

-Lower Lifetime Costl

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

design

Save on shipping costs! The Max-Fan is Quiet!

-Very High Aerodynamic Efficiency?

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

FAN	CFM	RPIVI		MAX	SONES DUCT	LENGTH	BLADE DESIGN	HOUSING	INLE
8"	667	3250		1.5	8:,	3 7/8"	Mined Flow	Plastic	811
12"	1703	337-1	489	4.1	12"	12 1/8"	Mixed Flow	Galvenices	12"





	FAN	Çi ¹	.125"	.25	.575"	5™*	75"	2,2'	1.25	1.51
O STRA	311	667	550	530	510	ว็ชิวี	520	420	150	100
CEIVI	1211	1708	1680	1655	1530	1595	1530	1450	1330	130



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

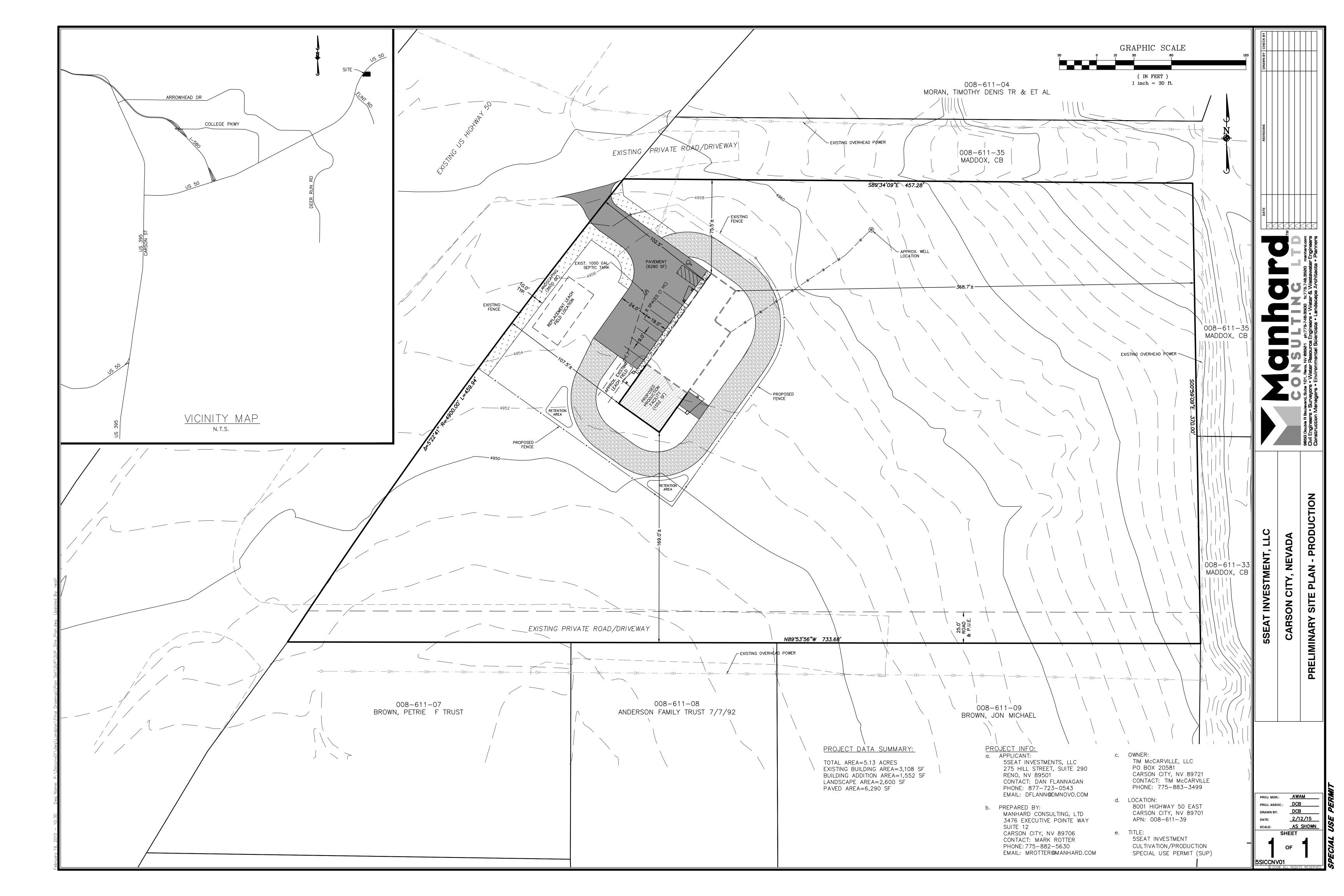
Performance certified is for installation type $\mathbb D$ - Ducted telet. Ducted outlet Performance wrings in aninclude the effects of appurtenances recogsiones,

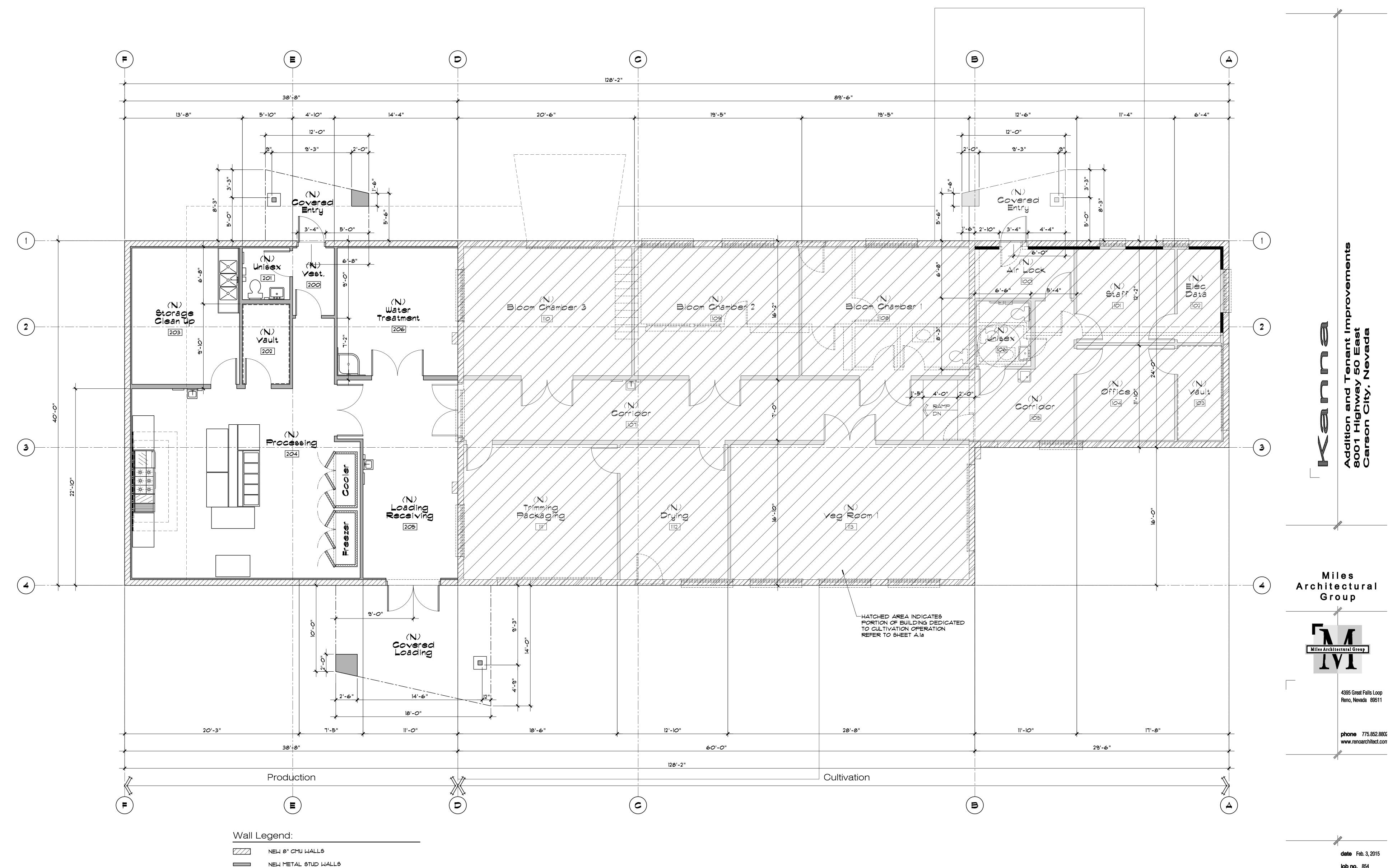
The sound ratings shown are for loudness values in spirerical somes at 5ft. (1.5m) in a spirerical free field calculated per Annex 3 of AMCA 311. Values shown are for installation Type D : Duc intel spherical sone levels. Ratings do not include the effect of duct and correction. All sone valu shown are calculated at 0.1" Static Pressure in inches 18.6.).

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









New Floor Plan - Production

1/4"=1'-0"

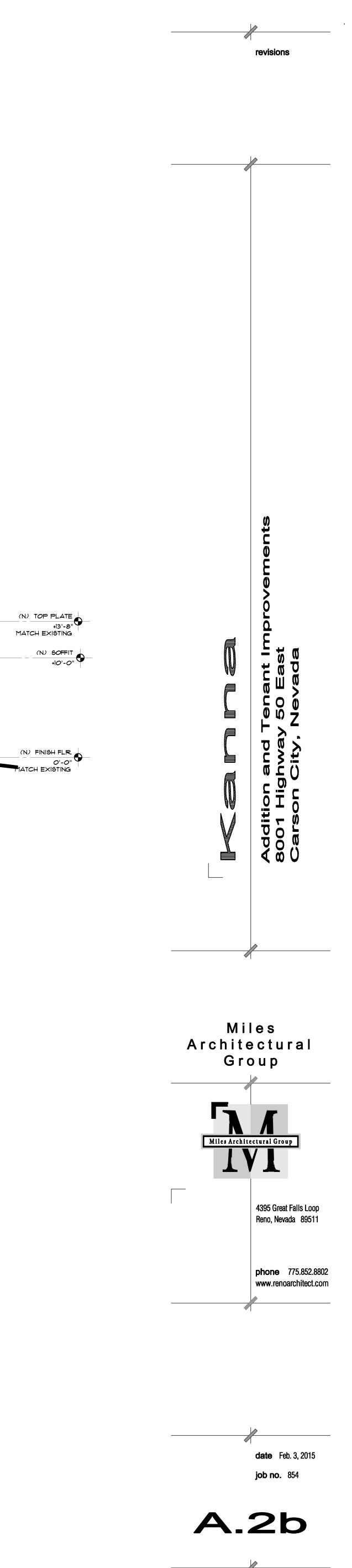
3108 s.f. Existing 1552 s.f. New

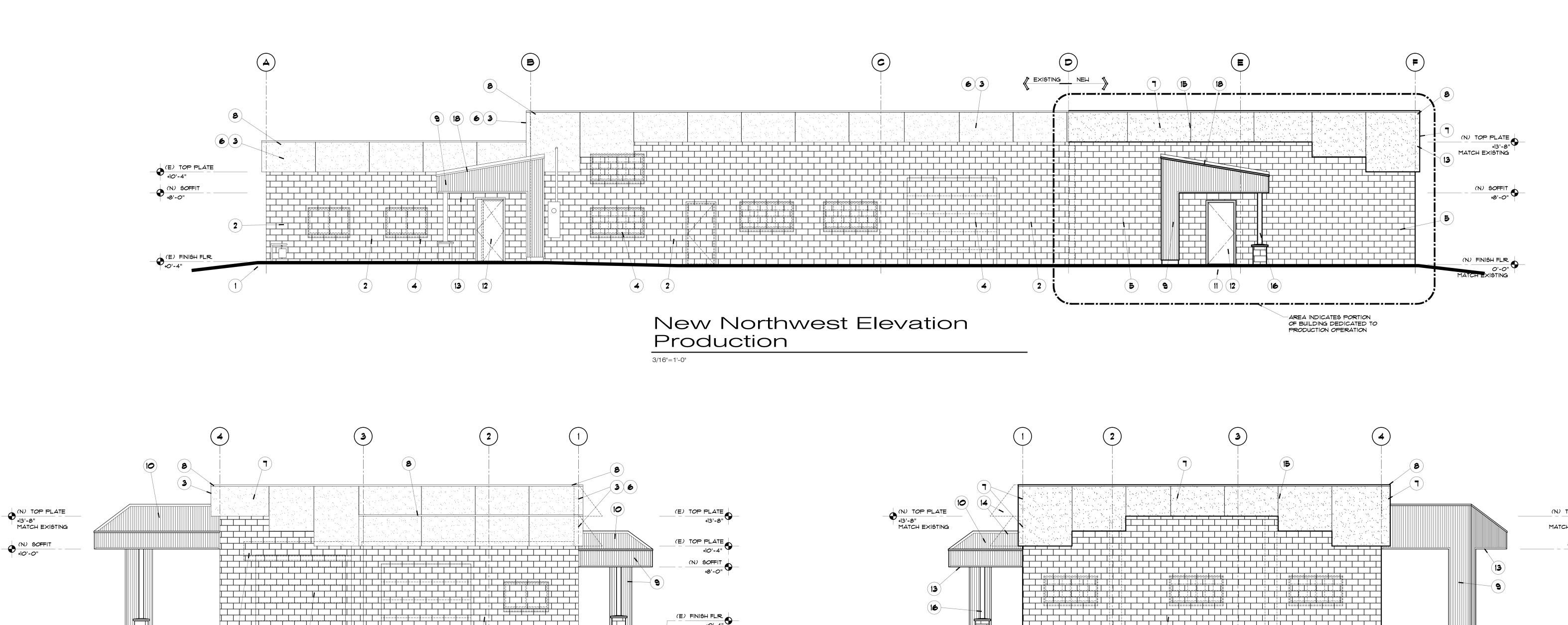
EXISTING 8" CMU WALLS TO REMAIN

EXISTING FRAMED WALLS OR FURRING TO REMAIN

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

job no. 854





New Northeast Elevation Production

3/16"=1'-0"

Elevation Notes:

(N) FINISH FLR.

O'-O"

MATCH EXISTING

Elevation Legend:

- I. ALL MATERIALS AND FINISHES INDICATED ON THESE ELEVATIONS ARE TYPICAL TO ALL ELEVATIONS REGARDLESS IF THEY ARE NOTED AS SUCH OR NOT. THERE WILL BE NO EXCEPTIONS OR SUBSTITUTIONS TO THE MATERIALS AND FINISHES INDICATED ON THE ELEVATIONS
- 2. ALL EXTERIOR FINISH MATERIAL MUST BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS, DETAILS AND INSTALLATION GUIDELINES, TYPICAL. COORDINATE ALL TRANSITIONS AND DETAILING REQUIRED BETWEEN DISSIMILAR MATERIALS WITH THE RELATED MANUFACTURERS FOR PROPER WEATHERSEALING, TRANSITIONS AND TERMINATIONS, TYPICAL
- 2 EXISTING CMU EXTERIOR WALLS TO REMAIN. PAINT: COLOR PER OWNER

EXISTING FINISH GRADE TO REMAIN

(E) FINISH FLR.

- 3 EXISTING PARAPET TO REMAIN, REPAIR AS NEEDED TO ENSURE INTEGRITY. PROVIDE STUCCO FINISH
- PER ITEM 6 DEMO EXISTING DOORS AND WINDOWS, TYPICAL, SEE PLAN. INFILL WITH NEW CMU BLOCK PER ITEM 5
- 5 NEW CMU EXTERIOR WALLS TO MATCH EXISTING. PAINT: COLOR PER OWNER. -SEE STRUCTURAL
- (6) NEW 2 COAT STUCCO FINISH OVER PAPER BACKED METAL LATH DRYVIT W/ SANDPEBBLE FINISH, COLOR PER OUNER. INSTALL PER MANUFACTURER O/ TYVEK STUCCOURAP AND PAPER BACKED METAL LATH
- NEW PARAPET TO MATCH EXISTING, EXTEND 6" BEYOND FACE OF CMU EXTERIOR WALL. PROVIDE STUCCO FINISH PER ITEM 6 (12" OVERHANG AT SOUTHEAST ELEV.)
- 8 NEW 24 GA SHEET METAL PARAPET COPING FLASHING w/ 1 1/2" DRIP EDGE. PAINT: COLOR PER OWNER
- 9 NEW CORRUGATED STEEL PREFINISHED SIDING 0/30# FELT UNDERLAYMENT, PROVIDE FLASHING AND TRIM INSTALL PER MANUF.
- NEW CORRUGATED STEEL PREFINISHED ROOFING O/ GRACE ICE AND WATER SHIELD. PROVIDE FLASHING AND TRIM INSTALL PER MANUF.
- 11 NATURAL COLOR CONCRETE SIDEWALK AND APRONS W/ BROOM FINISH, TYPICAL
- (12) NEW STEEL DOOR, PAINT: COLOR PER OWNER

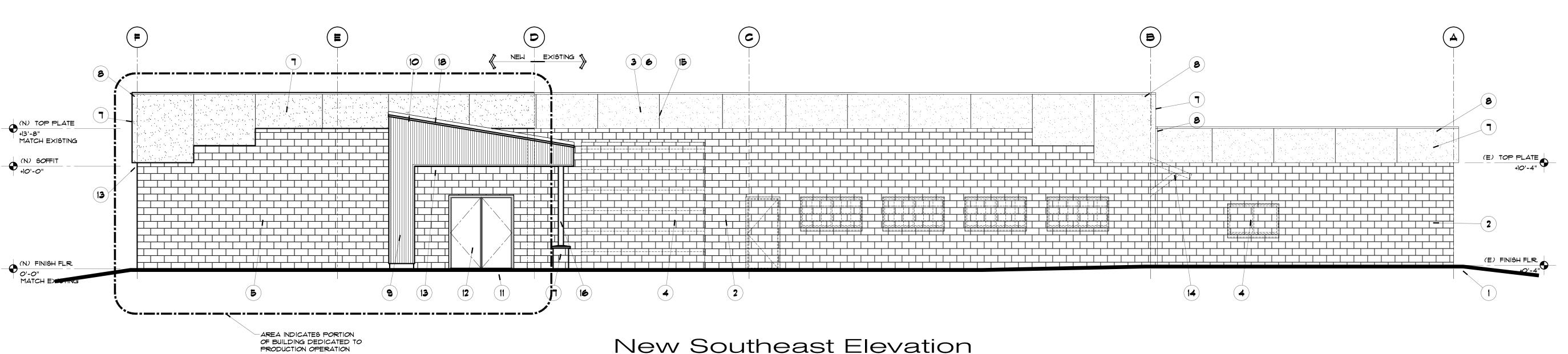
(13) NEW 2 COAT STUCCO FINISH O/ SELF FURRING METAL LATH AT ALL SOFFITS, TYPICAL. PER ITEM 6

New Southwest Elevation

Production

3/16"=1'-0"

- 14 DEMO EXISTING OVERHANG AND AUNING AS INDICATED
- (15) 1/4" VERTICAL EXPANSION JOINTS AT STUCCO, TYPICAL
- (16) NEW STEEL COLUMN, PAINT: COLOR PER OWNER
- NEW CMU COLUMN BASE AT +24" W/ SLOPED CAST CONCRETE
- (18) NEW 24 GA SHEET METAL FLASHING AT ROOF TO WALL TRANSITIONS



New Southeast Elevation Production

3/16"=1'-0"