

STAFF REPORT FOR ADMINISTRATIVE PERMIT REVIEW OF SEPTEMBER 28, 2022

FILE NO: LU-2022-0371

AGENDA ITEM: 3.B

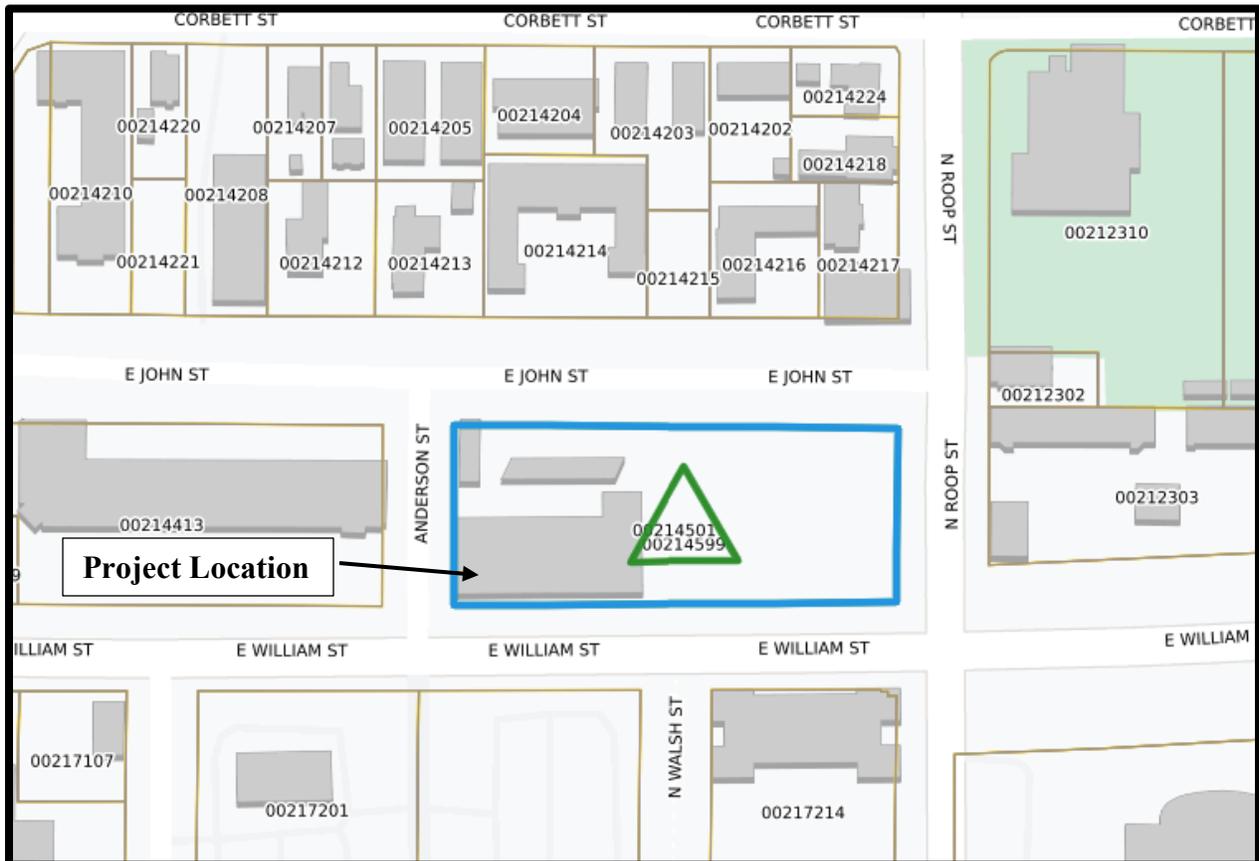
STAFF CONTACT: Lena Reseck, Assistant Planner

AGENDA TITLE: LU-2022-0371 For Possible Action: Discussion and possible action regarding a request for an Administrative Permit to allow for the installation of equipment on an existing structure zoned Retail Commercial (“RC”) located at 600 E. William Street, Assessor’s Parcel Number (“APN”) 002-145-01. (Lena Reseck, lreseck@carson.org)

Summary: The applicant is proposing to locate three panel antennas, a microwave antenna, six radios, three overvoltage protection devices (“OVP”), three ballasted frames, three hybrid cables, and an equipment cabinet within a proposed lease area of 5’x7’ on the building rooftop. The antennas will be located 7.6 feet above the existing building height of 46.4 feet. Per Carson City Municipal Code (“CCMC”) 18.15.025(2)(a), wireless telecommunication facilities and/or equipment may locate on an existing structure provided that such installations do not increase the height of the existing structure by more than ten feet and subject to the approval of an administrative permit.

RECOMMENDED MOTION: “I move to approve LU-2022-0371, based on the findings and subject to the conditions of approval contained in the staff report.”

VICINITY MAP:



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 of 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 Administrative Hearing Examiner 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. The applicant shall obtain a building permit from the Carson City Community Development Department Building Division ("Building Division") prior to any proposed construction.
5. The applicant shall meet all the conditions of approval and commence the use for which this permit is granted within 12 months of the date of final approval. A single, one year extension of time may be granted if requested in writing to the Community Development Department 30 days prior to the one year expiration date. Should this permit not be initiated within one year and no extension granted, the permit shall become null and void.

The following shall be submitted with any building permit application:

6. The applicant shall submit a copy of the notice of decision, conditions of approval, and an explanation of how the request addresses each condition with the building permit application.
7. The antennas shall match the color of the existing structure. The applicant shall provide the Planning Division with the proposed color choices for review and approval with the building permit.

The following applies to the site throughout the life of the project:

8. This permit shall become null and void and the wireless communication antennas, enclosures, and ancillary equipment shall be removed from the site if and when the use is abandoned for a period of more than 12 consecutive months.

LEGAL REQUIREMENTS: CCMC 18.02.110 (Administrative Permits), 18.04.130 (Retail Commercial Uses), 18.15 (Communication Facilities and Equipment), and Carson City Development Standards ("CCDS") Division 1 Land Use and Site Design at 1.9 (Wireless Telecommunication Facilities and Equipment).

MASTER PLAN DESIGNATION: Community/Regional Commercial

PRESENT ZONING: Retail Commercial

KEY ISSUES: Will the proposed use be in keeping with all the standards of the Carson City Municipal Code?

SURROUNDING ZONING AND LAND USE INFORMATION

WEST: Retail Commercial
EAST: General Commercial ("GC")
NORTH: Retail Commercial
SOUTH: Retail Commercial

ENVIRONMENTAL INFORMATION

FLOOD ZONE: X Shaded (Low-Risk Flood Zone)
EARTHQUAKE FAULT: Moderate Severity within 500 feet
SLOPE: Site is flat

SITE DEVELOPMENT INFORMATION

LOT SIZE: 1.52 acres
STRUCTURE SIZE/HEIGHT: The existing rooftop is 46.4 feet tall. The added antennas and enclosures will be located 54 feet high not increasing the existing height by more than 10 feet. The equipment will be located on the rooftop.

DISCUSSION:

CCMC Chapter 18.15 *Communication Facilities and Equipment* requires approval of an Administrative Permit for the locating of wireless telecommunication facilities and/or equipment on any existing structure provided such installations do not increase the height of the existing structure by more than 10 feet.

Dish Wireless is proposing to locate three antennas and the equipment on the rooftop of an existing structure. The antennas will increase the height of the building by 7.6 feet in height.

PUBLIC COMMENTS: On September 15, 2022, public notices were mailed to 58 adjacent property owners within 600 feet of the subject site. As of the writing of this report, staff hasn't received any written comments. Any comments that are received after this report is completed will be submitted to the Hearings Examiner prior to or at the meeting on September 28, 2022, depending on the date of submission of the comments to the Carson City Community Development Department Planning Division ("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.

Carson City Public Works Department Environmental Health Division:

The initial review of LU-2022-0371 has been performed by this division and the following requirements are based on the initial review:

1. Compliance is required for sewage disposal and individual sewage disposal systems under NAC Chapter 444 (where applicable).
2. Any possible food to be offered for sale (including chewing gum) establishment is required to comply with the Nevada Administrative Code, Nevada Revised Statutes and the CCMC.

These comments are based on a very general site plan and do not indicate a complete review. All pertinent requirements of Nevada State Law, CCMC, and CCDS will still apply whether mentioned in this letter or not.

FINDINGS: Staff's recommendation is based upon the findings as required by CCMC 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.

The addition of antennas to an existing structure rooftop is consistent with the Master Plan, specifically Goal 3.2c – Communication Facilities and Equipment “Ensure that communication facilities and equipment, such as rooftop antennas, are located and designed so as to not detract from the City’s visual quality”. The proposed Dish Wireless facility is the least intrusive means to improve coverage and capacity relief by locating on an existing structure. The overall height will not increase more than 10 feet.

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 project, as designed and conditioned, will not be detrimental to the use, peaceful enjoyment, economic value, or development of surrounding properties or the general neighborhood. The project will not cause objectionable noise, vibrations, fumes, odors, dust, glare or physical activity. The antennas and equipment will be on the rooftop. Additionally, Dish Wireless’s installation will help extend service to fill its coverage gap.

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

The facility will be unmanned and after construction will typically only be visited approximately once a month for an hour by an operations technician. The proposal will not have an impact on vehicular or pedestrian traffic.

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 facility will be un-manned and therefore will not require the extension or expansion of any public services and facilities are adequate in the area to accommodate the proposed facility.

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.

Per CCMC 18.15.025(2)(a), wireless telecommunication facilities and/or equipment may locate on any existing structure subject to a building permit, approval of an administrative permit, and subject to CCDS Division 1.9, provided that such installations do not increase the height of the existing structure by more than 10 feet. CCMC Chapter 18.15 and CCDS Division 1.9 provides standards for Development of Wireless Communication Facilities. Compliance with these provisions is outlined below:

1. Location and Placement Standards.

The applicant is proposing to locate antennas on an existing structure. Per Development Standards, this is a more desirable method of placing antennas than constructing a new tower. The equipment will also be located on the rooftop.

Either the applicant or co-applicant must be a carrier licensed by the Federal Communications Commission and submit documentation of the legal right to install and use the proposed facility.

Documentation substantiating that the applicant is licensed by FCC has been submitted.

2. *Height and Dimensional Standards.*

The antennas will be located 7.6 feet above the existing building height of 46.4 feet. The visual impact will be minimal.

3. *Setbacks.*

The new equipment will be placed on an existing structure rooftop.

4. *Design Standards.*

The proposed antennas and equipment will match the color of the existing structure.

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

The proposed antennas and related equipment will not be detrimental to the public health, safety, convenience, and welfare, and will cause no adverse impacts to surrounding properties. The antennas will help extend service to fill its coverage gap.

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

As noted above, the impacts of the proposed facility, with the recommended conditions of approval, will be minimal and will not result in material damage or prejudice to other property in the vicinity as the proposed antennas and equipment will be located on the rooftop of an existing structure. The antennas and equipment will be painted to match the existing building.

Attachments:

Application LU-2022-0371

ADMINISTRATIVE PERMIT (CCMC 18.02.110)

FILE # LU-2022-0371

DISH Wireless, LLC by Black Rock 480-744-6239

APPLICANT PHONE #

PO Box 1744, Tualatin, OR 97062

MAILING ADDRESS, CITY, STATE, ZIP

Tatiana@blk-rock.com

EMAIL ADDRESS

BOAC, Ltd. - Asset Manager: Michael Keating 775-386-9729

PROPERTY OWNER PHONE #

295 Holcomb Avenue, Suite 200, Reno, NV 89502

MAILING ADDRESS, CITY, STATE, ZIP

mkeating@logicCRE.com

EMAIL ADDRESS

Tatiana Penton, Black Rock 480-744-6239

APPLICANT AGENT/REPRESENTATIVE PHONE #

PO Box 1744, Tualatin, OR 97062

MAILING ADDRESS, CITY, STATE, ZIP

Tatiana@blk-rock.com

EMAIL ADDRESS

PROJECT'S ASSESSOR PARCEL NUMBER(S): STREET ADDRESS

002-145-01

600 E. William Street, Carson City, NV 89701

Please provide a description of your proposed project below. Provide additional pages to describe your request in more detail.

Installation of (3) panel antennas, (6) radios, (3) OVP devices, (3) ballsted frames and (3) hybrid cables, with a proposed lease area of 5' x 7', including an equipment cabinet, on a building rooftop.

PROPERTY OWNER'S AFFIDAVIT

PLEASE SEE SUBMITTED BUILDING PERMIT APPLICATION FOR SIGNATURES AND AUTHORIZATIONS

I, _____ being duly deposed, do hereby affirm that I am the record owner of the subject property, and that I have knowledge of, and I agree to, the filing of this application.

Signature

Address

Date

ACKNOWLEDGMENT OF APPLICANT

I certify that the forgoing statements are true and correct to the best of my knowledge and belief. I agree to fully comply with all conditions as established by the staff report and/or Hearings Examiner. I am aware that this permit becomes null and void if the use is not initiated within one year of the date of the Planning Director's approval; and I understand that this permit may be revoked for violation of any of the conditions of approval. I further understand that approval of this application does not exempt me from all City code requirements.

Tatiana Penton
Applicant's Signature

Tatiana Penton, on behalf of DISH Wireless
Print Name

08.02.2022
Date



108 E. Proctor Street, Carson City, NV 89701
Phone: (775) 887-2180
Email: planning@carson.org

FEE: \$750 plus noticing fee
ADDITIONAL REVIEW FEE: \$60/hour over 10 hours

SUBMITTAL PACKET – Submit application electronically at permitcenter.carson.org, email completed packet to planning@carson.org or submit one unbound original and a CD or USB drive with complete application in PDF:

- Application Form
- Detailed Written Project Description
- Site Plan
- Administrative Permit Findings
- Master Plan Policy Checklist

Meeting Date: 9/28/2022

Note: Submittals must be of sufficient clarity and detail for all departments to adequately review the request. Additional information may be required.

	CARSON CITY COMMUNITY DEVELOPMENT - BUILDING DIVISION 108 E. PROCTOR ST. CARSON CITY, NV 89701 (775) 887-2310 FAX (775) 887-2202 PERMIT APPLICATION		Submittal Date:
			Permit Number:
			Application Type/Initials:
			Bin Number:
		Standard Plan Number:	

Assessor's Parcel # 002-145-01	Jobsite Street Address: 600 E William St, Carson City, NV 89701	Valuation 50,000
Proposed Construction Description: Dish Wireless proposes to install (3) panel antennas, (6) radios, (3) OVP devices, (3) ballasted frames,		

and (3) hybrid cables with a proposed lease area of 5'x7' which includes (1) equipment cabinet.

Owner	Owner's Name BOAC, Ltd. - Asset Manager: Michael Keating (Logic Commercial Real Estate)		Phone Number Asset Manager: 775-386-9729
	Mailing Address 295 Holcomb Ave., Suite 200		Notify of Application Status? Yes
	City Reno,	State NV	Zip Code 89502

Contractor	Contractor's Name TBD		Nevada License #/Limit Amt TBD	Phone Number TBD
	Mailing Address TBD		Fax Number TBD	
	City TBD	State TBD	Zip Code TBD	

Contact *	Contact Name Tatiana Penton, on behalf of DISH Wireless, LLC		Title/Company Black Rock on behalf of DISH	Email Address tatiana@blk-rock.com
	Mailing Address PO Box 1744		Phone Number 480.744.6239	
	City Tualatin,	State OR	Zip Code 97062	

Project Information	City Water <input type="checkbox"/>	City Sewer <input type="checkbox"/> or Septic System <input type="checkbox"/>	Fire Sprinklers Yes <input type="checkbox"/> or No <input type="checkbox"/>	Wildland Urban Interface Yes <input type="checkbox"/> or No <input type="checkbox"/>
	Well <input type="checkbox"/>	Septic Size N/A	Zoning District RC	Flood Zone No

I will save, indemnify, and keep harmless CARSON CITY, its officers, employees, and agents against all liabilities, judgments, costs, and expenses which may accrue against them in consequence of the granting of this permit, inspections, or use of any on-site or off-site improvements placed by virtue hereof, and will in all things strictly comply with all applicable rules, ordinances, and laws. Signature constitutes an attestation by the owner that application complies with all covenants, conditions, and restrictions.

Applicant's Signature 	Date: 6/14/2022
Property Owner's Signature 	Date: 5/10/2022

OFFICE USE ONLY	BUILDING PERMIT FEES		TRACKING	
	Receipt #:	Plan Check Fee:	Building	Date:
	Received By:	Permit Fee:	Engineering	Date:
	Other Fees:	TOTAL FEES DUE:	Planning	Date:
	Comments:		Fire	Date:
			Health	Date:
Environmental			Date:	

* The contact person listed on the permit will be the person addressed on all correspondence and phone calls.



Developing Tomorrow's Infrastructure for Wireless, Renewable Energy & Gas

WCF Project Narrative

Submitted to the City of Carson, NV

1 GENERAL INFORMATION

Applicant	DISH Wireless, LLC 5701 S Santa Fe Dr Littleton, CO 80120
Representative	Black Rock Consulting Tatiana Penton PO Box 1744 Tualatin, OR 97062 tatiana@blk-rock.com 480-744-6239
Project ID(s)	SCRNO00017C
Project Address	600 E William St, Carson City, NV 89701
Parcel Number	002-145-01
Land Use Designation	RC
Zoning Classification	RC

Black Rock Consulting submits this application on behalf of DISH Wireless, LLC



2 OVERVIEW

DISH Wireless, LLC is proposing to co-locate on an existing wireless communications facility ("WCF" or "Facility"), SCRNO00017C, at 600 E William St. This proposed facility meets DISH's primary coverage objective and supports upgrading existing wireless sites this proposed facility will help fill DISH Wireless, LLC coverage objectives within a geographic area not presently served by DISH's network. This project narrative serves as an explanation of intent, nature, and proposed use of the development, and any pertinent background information for the City of Carson's Community Development Department.

As shown in this application narrative, DISH's proposal is the least intrusive means of extending DISH's service to fill its coverage gap. Existing antennas in the vicinity were evaluated for suitability and were found to be too close to existing DISH Wireless sites, or too far outside of the planned service area.

The proposal meets all of the City of Carson's criteria for siting new wireless communication facilities. DISH requests that the City approve the new facility as proposed.

3 SCOPE OF WORK

The scope of work provides for the co-location of a wireless telecommunications antennas and ancillary equipment at an existing telecommunications site located on the rooftop of the building at 600 E William St, Carson City, NV 89701 (the "Property"). The proposal is for permission to add (3) panel antennas, (1) Microwave Antenna, (6) Radios, (3) OVP, (3) Non-Penetrating Ballasted Frames, and (3) Hybrid fiber lines within the new lease area of 5'x7', which includes (1) cabinet. Antennas to be installed at 51'-0" RAD heights.

4 APPLICABLE LAW

Federal, state, and local laws will apply to this application. Federal law, primarily found in the Telecommunications Act, acknowledges a local jurisdiction's zoning authority over proposed wireless facilities, but limits the exercise of that authority in several important ways. First, a local government must approve an application for a wireless communications site if three conditions are met: 1. There is a significant gap in coverage, 2. The carrier has shown that the manner in which it proposes to provide service in the significant gap is the least intrusive on the values that the community seeks to protect as allowed by applicable law, and 3. There are no potentially available and technologically feasible alternatives that are less intrusive on the goals that the community seeks to protect as allowed by applicable law. 47 USC Section 332 (c)(7)(A) and (B)(i)(II).

In addition, under the Telecommunications Act, the City is prohibited from considering the environmental effects (including health effects) of the proposed site if the site will operate in compliance with federal regulations. 47 USC Section 332 (c)(7)(B)(IV). DISH has included, in this application a PE stamped statement demonstrating that the proposed facility will operate in accordance with the Federal Communication Commission's RF emissions regulations. Therefore, this issue is preempted under federal law and any testimony or documents introduced relating to the environmental or health effects of the proposed site should be disregarded.

The Telecommunications Act requires local jurisdictions to act upon applications for wireless communications sites within a reasonable period of time. The Federal Communications Commission has issued a Shot Clock Rule to establish a deadline for the issuance of land use

permits for wireless facilities. According to the Federal Communications Commission, a reasonable period of time for local governments to act on wireless applications is 90 days for a co-location application and 150 days for all other applications. This time period includes all application notice and appeal periods. Therefore, under federal law, the reasonable time period for the City of Reno's review of this application is 150 days.

5 CCMC 18.02.080(5) FINDINGS

CCMC 18.02.080(5) FINDINGS. Findings from a preponderance of evidence must indicate that the proposed use:

1. Will be consistent with the objectives of the Master Plan elements.

DISH Wireless's proposed facility includes the collocation of antennas on an existing monopole tower which will not result in any overall height increase. DISH Wireless is proposing to locate its equipment on top of an existing telecommunications base station (building). As a result, DISH Wireless's wireless communications facility, as proposed, is not in conflict with the Carson City Master Plan Elements.

2. Will not be detrimental to the use, peaceful enjoyment, economic value, or development of surrounding properties or the general neighborhood; and is compatible with and preserves the character and integrity of adjacent development and neighborhoods or includes improvements or modifications either on-site or within the public right-of-way to mitigate development related to adverse impacts such as noise, vibrations, fumes, odors, dust, glare or physical activity.

The establishment and operation of DISH Wireless's wireless communications facility as proposed will not create unusual noise, vibrations, fumes, odors, dust, glare or other conditions or situations that may be objectionable, detrimental or incompatible with other permitted uses in the vicinity. In fact, DISH Wireless's installation will enhance the provision of wireless communications service to the surrounding neighborhood.

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

The establishment and operation of this wireless communications facility as proposed will not impact vehicular or pedestrian traffic. The proposed DISH Wireless facility will be unmanned and after construction will typically only be visited approximately once a month for an hour or so by an operations technician. The site location is at the Carson City Airport at an existing, established wireless communications facility and is accessed via an existing access driveway.

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.

DISH Wireless's proposed facility will enhance emergency services and improve wireless communication capabilities for the surrounding community. There will be no burden to public services, schools, police and fire protection, sewer, public roads, storm drainage or other public improvements. The proposed DISH Wireless facility is entirely self-monitored by sophisticated computers that connect directly to a central-office and alert personnel to equipment malfunction or breach of security. DISH Wireless's wireless technology provides vital communications in emergency situations and will be commonly used by local residents and emergency personnel to protect the general public's health, safety and welfare. In fact, the majority of all "911" and distress calls are placed on wireless phones in the United States. The proposed DISH Wireless facility will be a benefit and not a burden.



5. Meets the definition and specific standards set forth elsewhere in Carson City Municipal Code, Title 18 for such particular use and meets the purpose statement of that district.

DISH Wireless's proposed facility is a collocation on an existing base station (building). As proposed, the facility will comply with Title 18.15 - Communication Facilities and Equipment.

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

The proposed wireless communications facility will be designed and constructed to meet applicable governmental and industry safety standards. Specifically, DISH Wireless will comply with all FCC and FM rules governing construction requirements, technical standards, interference protection, power and height limitations, and radio frequency standards. In addition, DISH Wireless will comply with all applicable FM rules on site location. Any and all RF emissions are subject to the exclusive jurisdiction of the FCC. All proposed mechanical equipment is appropriately designed and located to minimize visual, noise, and air quality impacts to adjacent properties and the general public. The proposed use, together with any applicable conditions, will not be detrimental to the public health, safety, or general welfare of the County.

7. Will not result in material damage or prejudice to other property in the vicinity, as a result of proposed mitigation measures.

The proposed facility will not materially adversely affect adjacently located properties or their permitted uses. The proposed facility is a modern-day utility and will contribute to the provision of an enhanced wireless communication technology for the general public and emergency service use.

6 ACCESS

The proposed DISH Wireless facility is unmanned and requires only infrequent maintenance visits (approximately one time a month). Access to the facility is via PROW E William St. There is no public access to rooftop and accessed via roofhatch.

7 CONCLUSION

Based on the foregoing analysis, the proposed DISH Wireless, LLC wireless communications facility constitutes the least intrusive means to improve service and increase capacity based upon the values expressed in the Carson City Zoning Ordinance. In compliance with those values, the proposed wireless communications facility will be collocated on an existing base station which, as a result, will minimize aesthetic impacts. The proposed wireless communications facility will be designed and constructed to meet applicable governmental and industry safety standards. Specifically, DISH Wireless will comply with all FCC and FAA rules governing construction requirements, technical standards, interference protection, power and height limitations, and radio frequency standards. In addition, DISH Wireless will comply with all applicable FAA rules on site location. Any and all RF emissions are subject to the exclusive jurisdiction of the FCC.

Master Plan Policy Checklist

Special Use Permits & Major Project Reviews & 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: SCRNO00017C

Reviewed By: _____

Date of Review: _____

DEVELOPMENT CHECKLIST

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

CHAPTER 3: A BALANCED LAND USE PATTERN



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

Is or does the proposed development:

- Meet the provisions of the Growth Management Ordinance (1.1d, Municipal Code 18.12)?
- Use sustainable building materials and construction techniques to promote water and energy conservation (1.1e, f)?
- Located in a priority infill development area (1.2a)?
- Provide pathway connections and easements consistent with the adopted Unified Pathways Master Plan and maintain access to adjacent public lands (1.4a)?

- Protect existing site features, as appropriate, including mature trees or other character-defining features (1.4c)?
- At adjacent county boundaries or adjacent to public lands, coordinated with the applicable agency with regards to compatibility, access and amenities (1.5a, b)?
- In identified Mixed-Use areas, promote mixed-use development patterns as appropriate for the surrounding context consistent with the land use descriptions of the applicable Mixed-Use designation, and meet the intent of the Mixed-Use Evaluation Criteria (2.1b, 2.2b, 2.3b, Land Use Districts, Appendix C)?
- Meet adopted standards (e.g. setbacks) for transitions between non-residential and residential zoning districts (2.1d)?
- Protect environmentally sensitive areas through proper setbacks, dedication, or other mechanisms (3.1b)?
- Sited outside the primary floodplain and away from geologic hazard areas or follows the required setbacks or other mitigation measures (3.3d, e)?
- 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 does the proposed development:

- Encourage a citywide housing mix consistent with the labor force and non-labor force populations (5.1j)
- Encourage the development of regional retail centers (5.2a)
- Encourage reuse or redevelopment of underused retail spaces (5.2b)?
- Support heritage tourism activities, particularly those associated with historic resources, cultural institutions and the State Capitol (5.4a)?
- Promote revitalization of the Downtown core (5.6a)?
- Incorporate additional housing in and around Downtown, including lofts, condominiums, duplexes, live-work units (5.6c)?

CHAPTER 6: LIVABLE NEIGHBORHOODS AND ACTIVITY CENTERS



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

Is or does the proposed development:

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

CHAPTER 7: A CONNECTED CITY



The Carson City Master Plan seeks promote a sense of community by linking its many neighborhoods, employment areas, activity centers, parks, recreational

amenities and schools with an extensive system of interconnected roadways, multi-use pathways, bicycle facilities, and sidewalks.

Is or does the proposed development:

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



PRECISION DESIGN

11768 ATWOOD RD. SUITE 20, AUBURN, CA 95603

August 3, 2022

Jurisdiction: Carson City
Subj: Dish Wireless SCRNO00017C Cell Site
Site Address: 600 E William St
Reno, NV 89701
Ref: First Review (EPC)

Plan check clarifications, additions, and changes have been completed as requested; a written response to each item has been provided.

GENERAL COMMENTS

- G1. Code compliance revised to show fire codes for Nevada, see sheet T-1.
- G2. Site access easement revised to show a ten-foot width with no utility easement, see sheets C-1 & A-1.

ELECTRICAL COMMENTS

E1. N/A

STRUCTURAL COMMENTS

S1. N/A

TRAFFIC CONTROL COMMENTS

TC1. N/A

Please call if you have any questions.

Sincerely,

Precision Design & Drafting, Inc.

Trevor Jones

REFERENCE COPY

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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: PARKERB.COM WIRELESS L.L.C.

ATTN: JEFFREY BLUM
 PARKERB.COM WIRELESS L.L.C.
 PO BOX 6663
 ENGELWOOD, CO 80155

Call Sign WQZM475	File Number
Radio Service WT - 600 MHz Band	

FCC Registration Number (FRN): 0025268459

Grant Date 06-14-2017	Effective Date 09-11-2020	Expiration Date 06-14-2029	Print Date
Market Number PEA076	Channel Block F	Sub-Market Designator 0	
Market Name Reno, NV			
1st Build-out Date	2nd Build-out Date 06-14-2025	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

Special Condition 1 (9/11/2020): Licensee is an indirect, wholly owned subsidiary of DISH Network Corporation (DISH). This license is subject to licensee's compliance with the conditions and restrictions imposed by the Commission in MO&O, Declaratory Ruling and Order of Proposed Modification, FCC 19-103 and the commitments made by DISH in its July 26, 2019 Commitments Letter including Attachment A thereto (see, e.g., FCC 19-103 at App. H), as modified by the Commission, both of which are incorporated by reference into and made operative by Order of Modification and Extension of Time to Construct, DA 20-1072 (WTB Sept. 11, 2020). These conditions, restrictions and commitments include, but are not limited to, the following (see FCC 19-103 and DA 20-1072 for further information):

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: PARKERB.COM WIRELESS L.L.C.

Call Sign: WQZM475

File Number:

Print Date:

Special Condition 1a (9/11/2020): DISH is obligated to provide 5G Broadband Service over this license. DISH has waived its rights to use this license under the Commission's flexible-use policies and this license is expressly conditioned on DISH building, deploying, and offering 5G Broadband Service, which means at least 3GPP Release 15 capable of providing Enhanced Mobile Broadband (eMBB) functionality. 5G is defined as the 5G New Radio interface standard as described in 3GPP Release 15, available at <https://www.3gpp.org/release-15>, or 3GPP Release 16 within 3 years of 3GPP final approval. This condition does not preclude DISH from providing IoT as a service in addition to the 5G Broadband Service, but DISH is precluded from relying on IoT (or any other non-5G Broadband Service) operations to satisfy its buildout requirements and commitments.

Special Condition 1b (9/11/2020): Final Buildout Requirement. With respect to this 600 MHz Band license, licensee shall provide 5G Broadband Service coverage and offer 5G Broadband Service by 6/14/2025 to at least seventy (75) percent of the population in the license area. If licensee fails to establish that it meets this Final Buildout Requirement with respect to this 600 MHz Band license, this authorization shall terminate automatically without Commission action. See § 27.14(t)(4).

Special Condition 1c (9/11/2020): DISH has committed to make significant payments to the U.S. Treasury if it does not meet its deployment commitments and that commitment is a condition of the waiver/extension grant and modification of this license in DA 20-1072. These commitments include, but are not limited to, mandatory monetary payments for failure to meet deployment commitments (that are separate from the final buildout requirements), status reports, and verification metrics. If DISH fails to meet the conditions of these grants, it must make the payments required. In addition to mandatory monetary payments (and license cancellations), DISH continues to be subject to all of the Commission's other enforcement and regulatory powers for failing to meet any condition of the grants and modifications made on 9/11/2020.

Special Condition 1d (9/11/2020): Until September 11, 2026, licensee shall not (1) sell this license without the advance approval of both the FCC and the U.S. Department of Justice or (2) in any 12-month period provide in the Partial Economic Area of this license more than 35% of the capacity of its 5G network to any of the three largest wireless facilities-based providers (alone or in combination) without prior FCC approval. Sell means (i) to transfer, assign, or dispose of this license in any manner either directly or indirectly; or (ii) to transfer control of an entity holding this license; or (iii) to enter into a lease arrangement or any other arrangement that results in the transfer of de jure or de facto control of this license.

Licensee Name: PARKERB.COM WIRELESS L.L.C.

Call Sign: WQZM475

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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**Federal Communications Commission
Wireless Telecommunications Bureau**

RADIO STATION AUTHORIZATION

LICENSEE: MANIFEST WIRELESS L.L.C.

ATTN: ALISON MINEA
MANIFEST WIRELESS L.L.C.
1110 VERMONT AVENUE, NW, SUITE 750
WASHINGTON, DC 20005

Call Sign WQJZ293	File Number
Radio Service WY - 700 MHz Lower Band (Blocks A, B & E)	

FCC Registration Number (FRN): 0017173121

Grant Date 02-20-2009	Effective Date 09-11-2020	Expiration Date 06-14-2023	Print Date
Market Number BEA151	Channel Block E	Sub-Market Designator 0	
Market Name Reno, NV-CA			
1st Build-out Date 03-07-2017	2nd Build-out Date 06-14-2023	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

If the facilities authorized herein are used to provide broadcast operations, whether exclusively or in combination with other services, the licensee must seek renewal of the license either within eight years from the commencement of the broadcast service or within the term of the license had the broadcast service not been provided, whichever period is shorter in length. See 47 CFR §27.13(b).

Special Condition for AU/name change (6/4/2016): Grant of the request to update licensee name is conditioned on it not reflecting an assignment or transfer of control (see Rule 1.948); if an assignment or transfer occurred without proper notification or FCC approval, the grant is void and the station is licensed under the prior name.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: MANIFEST WIRELESS L.L.C.

Call Sign: WQJZ293

File Number:

Print Date:

Special Condition 1 (9/11/2020): Licensee is an indirect, wholly owned subsidiary of DISH Network Corporation (DISH). This license is subject to licensee's compliance with the conditions and restrictions imposed by the Commission in MO&O, Declaratory Ruling and Order of Proposed Modification, FCC 19-103 and the commitments made by DISH in its July 26, 2019 Commitments Letter including Attachment A thereto (see, e.g., FCC 19-103 at App. H), as modified by the Commission, both of which are incorporated by reference into and made operative by Order of Modification and Extension of Time to Construct, DA 20-1072 (WTB Sept. 11, 2020). These conditions, restrictions and commitments include, but are not limited to, the following (see FCC 19-103 and DA 20-1072 for further information):

Special Condition 1a (9/11/2020): DISH is obligated to provide 5G Broadband Service over this license. DISH has waived its rights to use this license under the Commission's flexible-use policies and this license is expressly conditioned on DISH building, deploying, and offering 5G Broadband Service, which means at least 3GPP Release 15 capable of providing Enhanced Mobile Broadband (eMBB) functionality. 5G is defined as the 5G New Radio interface standard as described in 3GPP Release 15, available at <https://www.3gpp.org/release-15>, or 3GPP Release 16 within 3 years of 3GPP final approval. This condition does not preclude DISH from providing IoT as a service in addition to the 5G Broadband Service, but DISH is precluded from relying on IoT (or any other non-5G Broadband Service) operations to satisfy its buildout requirements and commitments.

Special Condition 1b (9/11/2020): Final Buildout Requirement. Licensee shall provide 5G Broadband Service coverage and offer 5G Broadband Service by 6/14/2023 to at least seventy (70) percent of the population in the license area of this license. If licensee fails to establish that it meets this Final Buildout Requirement in the license area of this license, its authorization for unserved areas shall terminate automatically without Commission action. See Public Notice, DA 19-77 (licensee keeps the areas of the license that it serves and the remaining unserved areas are returned to FCC's inventory for relicensing).

Special Condition 1c (9/11/2020): Contingent extension: The Final Buildout Requirement in Special Condition 1b shall be extended to 6/14/2025 if licensee establishes that it is offering 5G Broadband Service with respect to its Lower 700 MHz E Block licenses to 50% or more of the U.S. population covered by DISH's Lower 700 MHz E Block licenses by 6/14/2023.

Special Condition 1d (9/11/2020): DISH has committed to make significant payments to the U.S. Treasury if it does not meet its deployment commitments and that commitment is a condition of the waiver/extension grant and modification of this license in DA 20-1072. These commitments include, but are not limited to, mandatory monetary payments for failure to meet deployment commitments (that are separate from the final buildout requirements), status reports, and verification metrics. If DISH fails to meet the conditions of these grants, it must make the payments required. In addition to mandatory monetary payments (and automatic license terminations), DISH continues to be subject to all of the Commission's other enforcement and regulatory powers for failing to meet any condition of the grants and modifications made on 9/11/2020.

Licensee Name: MANIFEST WIRELESS L.L.C.

Call Sign: WQJZ293

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: AMERICAN H BLOCK WIRELESS L.L.C.

ATTN: OFFICE GEN. COUNSEL, LEGAL DEPT.
 AMERICAN H BLOCK WIRELESS L.L.C.
 PO BOX 6663
 ENGLEWOOD, CO 80155-6663

Call Sign WQTX350	File Number
Radio Service AH - AWS-H Block (at 1915-1920 MHz and 1995-2000 MHz)	

FCC Registration Number (FRN): 0023125057

Grant Date 04-29-2014	Effective Date 09-11-2020	Expiration Date 06-14-2023	Print Date
Market Number BEA151	Channel Block H	Sub-Market Designator 0	
Market Name Reno, NV-CA			
1st Build-out Date 04-29-2018	2nd Build-out Date 06-14-2023	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

Special Condition 1 (9/11/2020): Licensee is an indirect, wholly owned subsidiary of DISH Network Corporation (DISH). This license is subject to licensee's compliance with the conditions and restrictions imposed by the Commission in MO&O, Declaratory Ruling and Order of Proposed Modification, FCC 19-103 and the commitments made by DISH in its July 26, 2019 Commitments Letter including Attachment A thereto (see, e.g., FCC 19-103 at App. H), as modified by the Commission, both of which are incorporated by reference into and made operative by Order of Modification and Extension of Time to Construct, DA 20-1072 (WTB Sept. 11, 2020). These conditions, restrictions and commitments include, but are not limited to, the following (see FCC 19-103 and DA 20-1072 for further information):

Conditions:
 Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: AMERICAN H BLOCK WIRELESS L.L.C.

Call Sign: WQTX350

File Number:

Print Date:

Special Condition 1a (9/11/2020): DISH is obligated to provide 5G Broadband Service over this license. DISH has waived its rights to use this license under the Commission's flexible-use policies and this license is expressly conditioned on DISH building, deploying, and offering 5G Broadband Service, which means at least 3GPP Release 15 capable of providing Enhanced Mobile Broadband (eMBB) functionality. 5G is defined as the 5G New Radio interface standard as described in 3GPP Release 15, available at <https://www.3gpp.org/release-15>, or 3GPP Release 16 within 3 years of 3GPP final approval. This condition does not preclude DISH from providing IoT as a service in addition to the 5G Broadband Service, but DISH is precluded from relying on IoT (or any other non-5G Broadband Service) operations to satisfy its buildout requirements and commitments.

Special Condition 1b (9/11/2020): Final Buildout Requirement. With respect to this H Block license, licensee shall provide 5G Broadband Service coverage and offer 5G Broadband Service by 6/14/2023 to at least seventy (75) percent of the population in the license area. If licensee fails to establish that it meets this Final Buildout Requirement with respect to this H Block license, this authorization shall terminate automatically without Commission action. See § 27.14(r)(3).

Special Condition 1c (9/11/2020): Contingent extension: The Final Buildout Requirement in special condition 1b shall be extended to 6/14/2025 if licensee establishes that it is offering 5G Broadband Service with respect to its AWS H Block licenses to 50% or more of the U.S. population by 6/14/2023.

Special Condition 1d (9/11/2020): DISH has committed to make significant payments to the U.S. Treasury if it does not meet its deployment commitments and that commitment is a condition of the waiver/extension grant and modification of this license in DA 20-1072. These commitments include, but are not limited to, mandatory monetary payments for failure to meet deployment commitments (that are separate from the final buildout requirements), status reports, and verification metrics. If DISH fails to meet the conditions of these grants, it must make the payments required. In addition to mandatory monetary payments (and license cancellations), DISH continues to be subject to all of the Commission's other enforcement and regulatory powers for failing to meet any condition of the grants and modifications made on 9/11/2020.

Licensee Name: AMERICAN H BLOCK WIRELESS L.L.C.

Call Sign: WQTX350

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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**Federal Communications Commission
Wireless Telecommunications Bureau**

RADIO STATION AUTHORIZATION

LICENSEE: GAMMA ACQUISITION L.L.C.

ATTN: ALISON MINEA
GAMMA ACQUISITION L.L.C.
1110 VERMONT AVENUE NW SUITE 750
WASHINGTON, DC 20005

Call Sign T060430151	File Number
Radio Service AD - AWS-4 (2000-2020 MHz and 2180-2200 MHz)	

FCC Registration Number (FRN): 0021004817

Grant Date 03-07-2013	Effective Date 09-11-2020	Expiration Date 06-14-2023	Print Date
Market Number BEA151	Channel Block A	Sub-Market Designator 0	
Market Name Reno, NV-CA			
1st Build-out Date 03-07-2017	2nd Build-out Date 06-14-2023	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: GAMMA ACQUISITION L.L.C.

Call Sign: T060430151

File Number:

Print Date:

Special Condition 1: This license document as first issued on March 7, 2013, reflects the Order of Modification and Authorization (DA 13-231) to existing Mobile Satellite Service ("MSS") call sign E060430 to add Part 27 rights and obligations for Advanced Wireless Service-4 ("AWS-4") terrestrial operating authority with all of the attendant rights, limitations, and obligations associated with the AWS-4 service rules adopted in WT Docket No. 12-70 (FCC 12-151), and any subsequent orders. The license document issued on March 7, 2013, is not a separate authorization in and of itself. The parameters reflected in the International Bureau Filing System for the MSS authorization of the license (call sign E060430) together with the parameters reflected in the Universal Licensing System for the standalone terrestrial authorization of the license (call sign T060430001 - T060430176 derivatives) as of March 7, 2013 constitute the whole of the modified license. Except as otherwise ordered, a licensee of AWS-4 operating authority is permitted to partition, disaggregate, and lease AWS-4 spectrum as provided under the FCC's rules. See, e.g., FCC 19-103; 47 CFR Parts 1, 27. The partition, disaggregation, or lease of AWS-4 spectrum does not encompass the MSS authorization.

Special Condition 2: A licensee of AWS-4 operating authority shall comply with the specific Global Positioning System ("GPS") protection limits set forth in the September 27, 2012 letter agreement between DISH Network Corporation (parent corp. of the AWS-4 licensee under this license as issued on March 7, 2013) and the U.S. GPS Industry Council, as detailed in FCC Order 12-151. See Service Rules for Advanced Wireless Services in the 2000-2020 MHz and 2180-2200 MHz Bands, WT Docket Nos. 12-70, 04-356, ET Docket No. 10-142, Report and Order and Order of Proposed Modification, 27 FCC Rcd 16102, 16151-53, at Paras. 118-122 (2012) (AWS-4 Report and Order), citing Letter from Jeffrey H. Blum, Deputy General Counsel, DISH Network Corporation, and F. Michael Swiek, Executive Director, The U.S. GPS Industry Council, to Marlene H. Dortch, Sec'y, Federal Communications Commission, WT Docket Nos. 12-70, 04-356, ET Docket No. 10-142 (filed Sept. 27, 2012) (a copy of this letter is attached). Further, as detailed in the AWS-4 Report and Order, an AWS-4 license shall remain subject to this Special Condition 2 in the event that the licensee assigns or otherwise transfers the license to a successor-in-interest or assignee. *Id.* at 16152-53, Para. 121.

Special Condition 3A: A licensee of AWS-4 operating authority shall protect Federal operations in the 2200-2290 MHz band as specified in Section 27.1134(e) of the Commission's rules and in FCC Order 12-151. 47 C.F.R. § 27.1134(e); Service Rules for Advanced Wireless Services in the 2000-2020 MHz and 2180-2200 MHz Bands, WT Docket Nos. 12-70, 04-356, ET Docket No. 10-142, Report and Order and Order of Proposed Modification, 27 FCC Rcd 16102, 16148-51, at Paras. 107-117 (2012) (AWS-4 Report and Order).

Licensee Name: GAMMA ACQUISITION L.L.C.

Call Sign: T060430151

File Number:

Print Date:

Special Condition 3B: In December 2012, DISH Network Corporation (parent corp. of the AWS-4 licensee under this license as issued on March 7, 2013) and federal users of the 2200-2290 MHz band entered into an operator-to-operator agreement. Letter from Karl B. Nebbia, Associate Administrator, Office of Spectrum Management, National Telecommunications and Information Administration, to Julius Knapp, Chief, Office of Engineering and Technology, Federal Communications Commission, WT Docket Nos. 12-70, 04-356, ET Docket No. 10-142, at Attachment ("Operator-to-Operator Agreement between New DBSD Satellite Services G.P. and Gamma Acquisition L.L.C. and United States Federal Government Agencies Operating Earth Stations and/or Aeronautical Mobile Telemetry (AMT) Stations in the 2200-2290 MHz Band") (Dec. 11, 2012) (a copy of this letter is attached). As detailed in FCC Order 12-151, a licensee of AWS-4 operating authority shall comply with this agreement with regard to the permissible AWS-4 emissions into the 2200-2290 MHz band and/or the maximum actual AWS-4 emissions to be received at the specified sites of Federal operations in the 2200-2290 MHz band. AWS-4 Report and Order, 27 FCC Rcd at 16148-51, Paras. 107-117.

Special Condition 3C: As detailed in Section 27.1134(e)(2) of the Commission's rules and in FCC Order 12-151, a licensee of AWS-4 operating authority who is a party to a private contractual agreement between it and a Federal government entity(ies) operating in the 2200-2290 MHz band must maintain a copy of the agreement in its station files and disclose it, upon request, to prospective AWS-4 assignees, transferees, or spectrum lessees, to Federal operators, and to the Commission. 47 C.F.R. § 27.1134(e)(2); AWS-4 Report and Order, 27 FCC Rcd at 16149-50, at Para. 112.

Special Condition 4A: This license is subject to the terms of the Memorandum Opinion and Order, DA 13-2409, in WT Docket No. 13-225.

Special Condition for AU/name change (6/4/2016): Grant of the request to update licensee name is conditioned on it not reflecting an assignment or transfer of control (see Rule 1.948); if an assignment or transfer occurred without proper notification or FCC approval, the grant is void and the station is licensed under the prior name.

Special Condition 4B: On June 1, 2016, DISH Network Corporation, parent corp. of the AWS-4 licensee under this license (as issued on March 7, 2013, and to date), stated unequivocally its election applicable to all AWS-4 licenses of terrestrial downlink-not terrestrial uplink-operations at 2000-2020 MHz. See WT Docket No. 13-225, Letter from Jeffrey H. Blum, Senior Vice President & Deputy General Counsel, DISH Network Corporation, to Marlene H. Dortch, Secretary, FCC (filed Jun. 1, 2016). See also modification applications granted 6/7/2016 (Lead Call Sign T060430001/File No# 0007289841). This one-time election is binding on all AWS-4 licensees and licenses including any AWS-4 licenses issued subsequently. Use of the Lower AWS-4 Band for terrestrial downlink operations is subject to any rules that are generally applicable to AWS downlink operations except to the extent expressly waived by Memorandum Opinion and Order, DA 13-2409, in WT Docket No. 13-225. By way of reference and not limitation, see Memorandum Opinion and Order, DA 13-2409, at para. 25 for list of rules waived for downlink operations, and id. at para. 47 for list of requirements for downlink operations.

Licensee Name: GAMMA ACQUISITION L.L.C.

Call Sign: T060430151

File Number:

Print Date:

Special Condition 5 (9/11/2020): Licensee is an indirect, wholly owned subsidiary of DISH Network Corporation (DISH). This license is subject to licensee's compliance with the conditions and restrictions imposed by the Commission in MO&O, Declaratory Ruling and Order of Proposed Modification, FCC 19-103 and the commitments made by DISH in its July 26, 2019 Commitments Letter including Attachment A thereto (see, e.g., FCC 19-103 at App. H), as modified by the Commission, both of which are incorporated by reference into and made operative by Order of Modification and Extension of Time to Construct, DA 20-1072 (WTB Sept. 11, 2020). These conditions, restrictions and commitments include, but are not limited to, the following (see FCC 19-103 and DA 20-1072 for further information):

Special Condition 5a (9/11/2020): DISH is obligated to provide 5G Broadband Service over this license. DISH has waived its rights to use this license under the Commission's flexible-use policies and this license is expressly conditioned on DISH building, deploying, and offering 5G Broadband Service, which means at least 3GPP Release 15 capable of providing Enhanced Mobile Broadband (eMBB) functionality. 5G is defined as the 5G New Radio interface standard as described in 3GPP Release 15, available at <https://www.3gpp.org/release-15>, or 3GPP Release 16 within 3 years of 3GPP final approval. This condition does not preclude DISH from providing IoT as a service in addition to the 5G Broadband Service, but DISH is precluded from relying on IoT (or any other non-5G Broadband Service) operations to satisfy its buildout requirements and commitments.

Special Condition 5b (9/11/2020): Final Buildout Requirement. Licensee shall provide terrestrial 5G Broadband Service coverage and offer terrestrial 5G Broadband Service by 6/14/2023 to at least seventy (70) percent of the population in the license area in the 2000-2020 MHz and 2180-2200 MHz bands. If licensee fails to establish that it meets this Final Buildout Requirement in the license area in the 2000-2020 MHz and 2180-2200 MHz bands, its authorization for this license area shall terminate automatically without Commission action. Failure to meet this Final Buildout Requirement in an EA shall also result in the MSS protection rule in 47 CFR § 27.1136 no longer applying in this license area. See generally 47 CFR § 27.14(q)(2),(4)-(6).

Special Condition 5c (9/11/2020): Contingent extension: The Final Buildout Requirement in special condition 5b shall be extended to 6/14/2025 if licensee establishes that it is offering 5G Broadband Service with respect to its AWS-4 licenses in the 2000-2020 MHz and 2180-2200 MHz bands to 50% or more of the U.S. population by 6/14/2023.

Special condition 5d (9/11/2020): DISH has committed to make significant payments to the U.S. Treasury if it does not meet its deployment commitments and that commitment is a condition of the waiver/extension grant and modification of this license in DA 20-1072. These commitments include, but are not limited to, mandatory monetary payments for failure to meet deployment commitments (that are separate from the final buildout requirements), status reports, and verification metrics. If DISH fails to meet the conditions of these grants, it must make the payments required. In addition to mandatory monetary payments (and license cancellations), DISH continues to be subject to all of the Commission's other enforcement and regulatory powers for failing to meet any condition of the grants and modifications made on 9/11/2020.

Licensee Name: GAMMA ACQUISITION L.L.C.

Call Sign: T060430151

File Number:

Print Date:

Special Condition 5e (9/11/2020): Until September 11, 2026, licensee shall not (1) sell this license without the advance approval of both the FCC and the U.S. Department of Justice or (2) in any 12-month period provide in the Economic Area of this license more than 35% of the capacity of its 5G network to any of the three largest wireless facilities-based providers (alone or in combination) without prior FCC approval. Sell means (i) to transfer, assign, or dispose of this license in any manner either directly or indirectly; or (ii) to transfer control of an entity holding this license; or (iii) to enter into a lease arrangement or any other arrangement that results in the transfer of de jure or de facto control of this license.

Reference Copy

Licensee Name: GAMMA ACQUISITION L.L.C.

Call Sign: T060430151

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Preferred Reference Copy



DISH Wireless L.L.C. SITE ID:
SCRNO00017C

DISH Wireless L.L.C. SITE ADDRESS:

**600 E WILLIAM ST
CARSON CITY, NV 89701**

NEVADA - CODE COMPLIANCE

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING LISTED CODES AND ANY AMENDMENTS THERE TO. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

- 2018 NEVADA BUILDING CODE (NBC)/2018 IBC
- 2018 UNIFORM MECHANICAL CODE (UMC)/2018 UMC
- 2018 INTERNATIONAL FIRE AND SAFETY CODE (IFSC)/2018 IFSC
- 2018 INTERNATIONAL PLUMBING CODE (IPC)/2018 IPC
- 2018 INTERNATIONAL WIRE AND CABLE CODE (IWCC)/2018 IWCC
- 2018 INTERNATIONAL FIRE ALARM AND NOTIFICATION CODE (NFPA 72)/2018 NFPA 72
- 2018 INTERNATIONAL FIRE AND MARINE ELECTRICAL CODE (NFPA 70E)/2018 NFPA 70E
- 2018 INTERNATIONAL FIRE AND MARINE ELECTRICAL CODE (NFPA 70E)/2018 NFPA 70E
- 2018 INTERNATIONAL FIRE AND MARINE ELECTRICAL CODE (NFPA 70E)/2018 NFPA 70E

SHEET INDEX

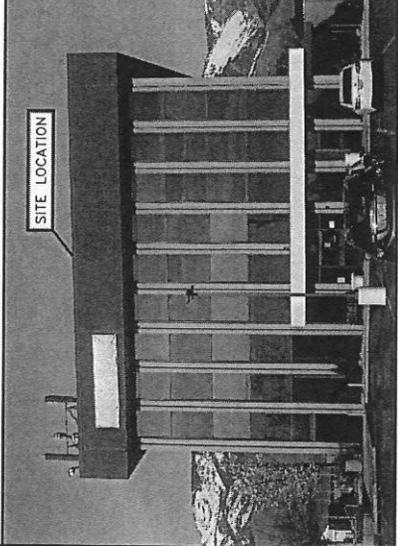
SHEET NO.	SHEET TITLE
T-1	TITLE SHEET
C-1	SURVEY
C-2	T-1 ACCURACY CERTIFICATION
A-1	OVERALL SITE PLAN
A-2	ENLARGED SITE PLAN & EQUIPMENT PLAN
A-3	ANTENNA PLANS
A-4	FIRST FLOOR PLAN
A-5	THIRD FLOOR PLAN
A-6	ELEVATIONS
A-7	ELEVATIONS
A-8	EQUIPMENT DETAILS
A-9	EQUIPMENT DETAILS
A-10	EQUIPMENT DETAILS
E-1	POWER/FIBER ROUTE PLAN
E-2	ELECTRICAL DETAILS
G-1	GROUNDING DETAILS
G-2	GROUNDING DETAILS
OH-1	LEGEND AND ABBREVIATIONS

SCOPE OF WORK

THIS IS NOT AN ALL INCLUSIVE LIST. CONTRACTOR SHALL UTILIZE SEVERAL EQUIPMENT PART OR ENGINES APPROVED EQUIPMENT. CONTRACTOR SHALL VERIFY ALL NEEDED EQUIPMENT TO PROVIDE A FUNCTIONAL SITE. THE PROJECT GENERALLY CONSISTS OF THE FOLLOWING:

- ROOFTOP SCOPE OF WORK:
 - INSTALL (1) PER SECTOR
 - INSTALL (2) PER SECTOR
 - INSTALL (3) PER SECTOR
 - INSTALL (4) PER SECTOR
 - INSTALL (5) PER SECTOR
 - INSTALL (6) PER SECTOR
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SITE PHOTO



1824 NORTH 4616
UTILITY NOTIFICATION CENTER OF NEVADA
(800) 842-2444
WWW.USANORTH11.ORG

CALL 2 WEEKS PRIOR TO CONSTRUCTION

GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED TO PERFORM MAINTENANCE AND REPAIRS. NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO DEMOLITIONAL WORK IS PROHIBITED.

11'x17' PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON THE JOB SITE, AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

SITE INFORMATION

PROPERTY OWNER: GOLDWELL BANKER COMMERCIAL
PROPERTY ADDRESS: 533 W. WYOMING ST. CARSON CITY, NV 89703
SITE ADDRESS: 600 E WILLIAM ST. CARSON CITY, NV 89701
TOWER TYPE: ROOF-TOP
COUNTY: CARSON CITY
LATITUDE (NAD 83): 39° 10' 14.48" N
LONGITUDE (NAD 83): 119° 45' 44.71" W
ZONING JURISDICTION: CARSON CITY
ZONING DISTRICT: RC
PARCEL NUMBER: 002-14-501
OCCUPANCY GROUP: U
CONSTRUCTION TYPE: V-B
POWER COMPANY: NV ENERGY
TELEPHONE COMPANY: AT&T

PROJECT DIRECTORY

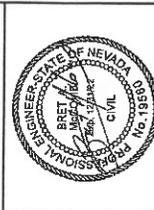
APPLICANT: DISH WIRELESS, LLC
5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120
SITE ACQUISITION: SOPHIA WISGERS
BLACK ROCK CONSULTING
SOPHIA@BLACK-ROCK.COM
(503) 300-1584
CONSTRUCTION MANAGER: TULITA INDIKE
TULITA@DISHWIRELESS.COM
RF ENGINEER: SHREYA RM

DIRECTIONS
DIRECTIONS FROM RENO-TAHOE INTL. AIRPORT: HEAD EAST, SLIGHT RIGHT TOWARD E PLUMB LN, CONTINUE ONTO E PLUMB LN. TURN LEFT ONTO U.S. 392 S./I-580 S RAMP TO CARSON CITY. MERGE ONTO I-580 S/JUS-395 S. TAKE EXIT S TOWARD E WILLIAM ST. KEEP RIGHT, FOLLOW SIGNS FOR DOWNTOWN/CARSON CITY & MERGE ONTO E WILLIAM ST. MERGE ONTO E WILLIAM ST. THE DESTINATION WILL BE ON YOUR RIGHT.

VICINITY MAP
NO SCALE



PRECISION DESIGN
By Design, INC.
Phone: (800) 252-8448
11100 Riverchase Blvd. #1000, Dallas, TX 75244



DRAWN BY: CHECKED BY: APPROVED BY:
A. MCCOMB T. JONES B. MCCOMB
RFDS REV #:
CONSTRUCTION DOCUMENTS

REV	DATE	DESCRIPTION
1	06/13/22	CONTR
2	07/25/22	CONTR
3	07/25/22	CONTR
4	08/23/22	CONTR

ASB PROJECT NUMBER: SCRNO00017C
DISH Wireless L.L.C. PROJECT INFORMATION
600 E WILLIAM ST.
CARSON CITY, NV 89701

TITLE SHEET
SHEET NUMBER: T-1



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



PRECISION DESIGN
Designs, INC.
Phone: (303) 826-6545 www.precisiondesign.com
11758 Anwood Rd, Suite 20, Auburn, CA 95603

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A. McCOMB T. JONES B. McCOMB

CONSTRUCTION DOCUMENTS

REV	DATE	DESCRIPTION
1	04/13/22	CRWK
2	05/12/22	CR100K
3	07/25/22	CR100K
4	07/27/22	CR100K
5	08/03/22	CR100K

AAE PROJECT NUMBER
SCRN000017C

DISH Wireless L.L.C.
PROJECT INFORMATION

600 E WILLIAM ST
CARSON CITY, NV 89701

SHEET TITLE
1-A ACCURACY CERTIFICATION

SHEET NUMBER
C-2



PRECISION DESIGN

1-A ACCURACY CERTIFICATION

Date of Survey: April 29, 2022
 Site Name: SCRNO00017C
 Site Address: 600 E William Street
 Carson City, NV 89701
 County: Carson City
 Type: Building Rooftop

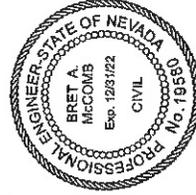
Geographic Coordinates at Building Penthouse (NAD83)

LATITUDE: 39° 10' 14.34"N (39.17065°)
 LONGITUDE: 119° 45' 45.18"W (-119.76255°)

Elevation (NAVD88)

GROUND ELEV: 4790.1' AMSL (0' AGL)
 TOP OF STEEL POLE: 4797.5' AMSL (67.4' AGL)
 TOP OF ANTENNA: 4800.4' AMSL (70.3' AGL)

I hereby certify that the latitude and longitude shown above are accurate to within +/- 1.5 feet horizontally and that the elevation shown above are accurate to within +/- 3 feet vertically. The horizontal datum (Geographic Coordinates) is in terms of the North American Datum of 1983 (NAD 83) and is expressed in degrees (°), minutes (') and seconds ("). To the nearest hundredth of a second. The vertical datum (Elevations) is in terms of the North American Vertical Datum of 1988 (NAVD 88) and is determined to the nearest tenth of a foot.



Bret McComb
 Bret McComb, PE
 Date: 5/2/22

11758 Anwood Rd, Suite 20, Auburn, CA 95603,
 Tel: (530) 823-6545



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



PRECISION DESIGN
Engineering, Inc.
Phone: (303) 533-8400 www.pdk.com
11708 Arroyo Pl. Suite 200 Aurora, CO 80010

PROFESSIONAL ENGINEER
BRETT J. JONES
No. 19558
CIVIL



DRAWN BY: T. JONES
CHECKED BY: B. MCCOMB
APPROVED BY: B. MCCOMB
RFDS REV # 1

CONSTRUCTION DOCUMENTS

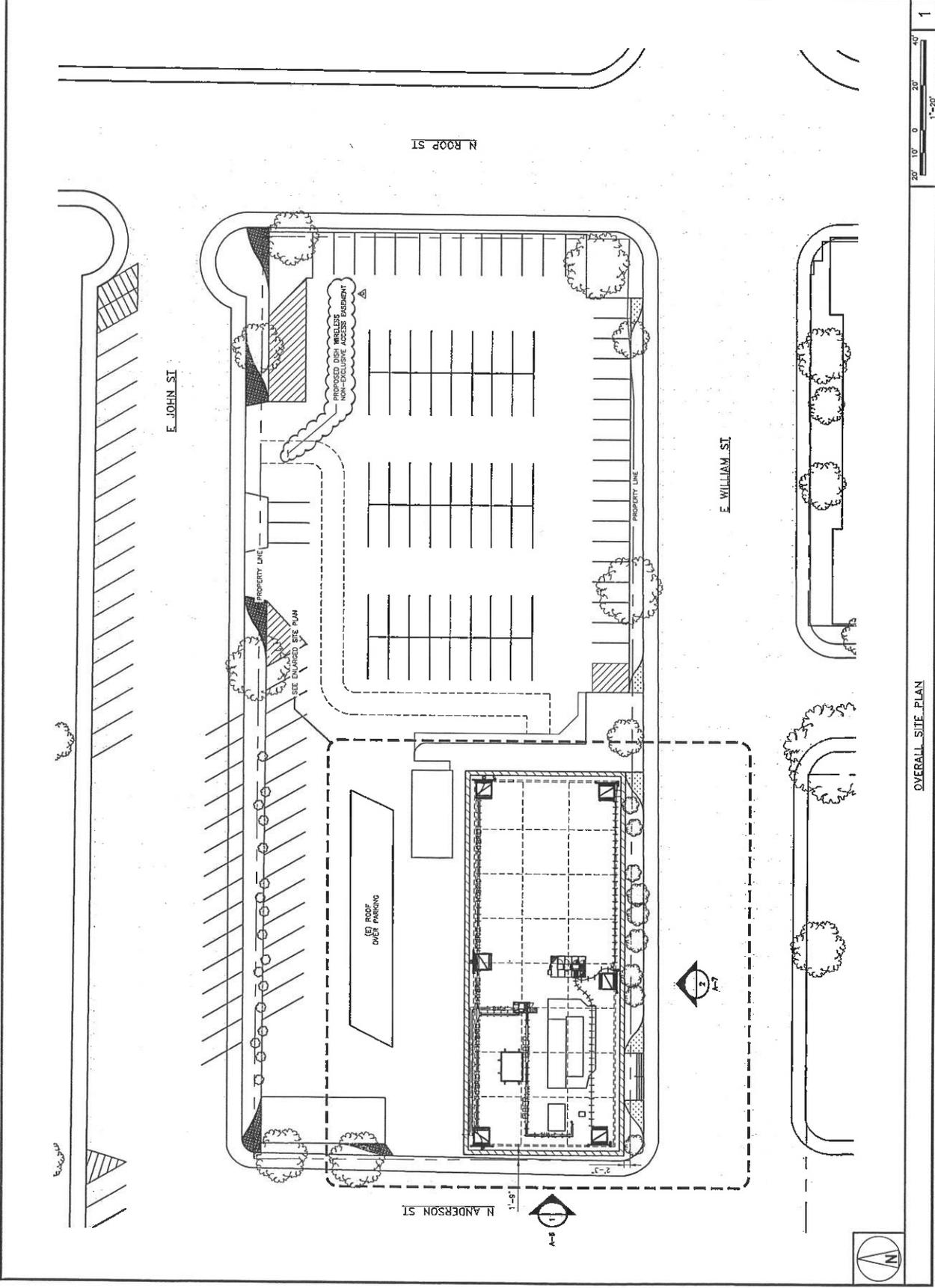
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2	06/11/2021	ISSUE FOR PERMIT
3	07/27/23	ISSUE FOR PERMIT
4	06/11/23	ISSUE FOR PERMIT

PROJECT NUMBER
SCRN000017C

PROJECT INFORMATION
DISH Wireless LLC
500 E WILLIAM ST
CARSON CITY, NV 89701

SHEET TITLE
OVERALL SITE PLAN

SHEET NUMBER
A-1



OVERALL SITE PLAN



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A. MCCOMB T. JONES B. MCCOMB

RFS REV # 1

CONSTRUCTION DOCUMENTS

REV	DATE	DESCRIPTION
1	04/13/22	ISSUE
2	05/27/22	CONTRACT
3	07/29/22	CONTRACT
4	07/27/22	CONTRACT
5	08/02/22	CONTRACT

AGE PROJECT NUMBER
SCRN000017C

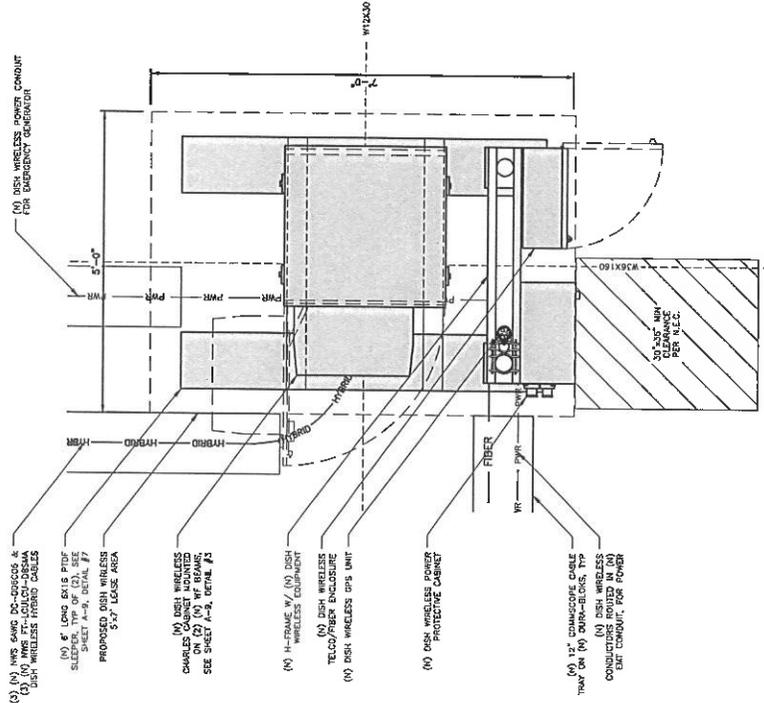
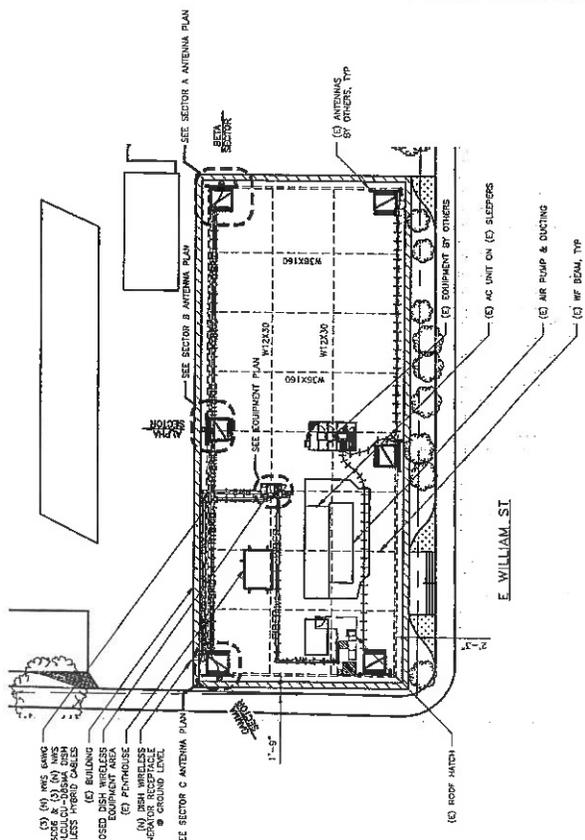
DISH Wireless, L.L.C.
PROJECT INFORMATION

600 E WILLIAM ST
CARSON CITY, NV 89701

SHEET TITLE
ENLARGED SITE PLAN & EQUIPMENT PLAN

SHEET NUMBER
A-2

- NOTES**
- CONTRACTOR TO VERIFY WITH DISH Wireless L.L.C. C.U. & LOCAL UTILITY THE LOCATION OF THE POWER AND RISK SOURCE PRIOR TO CONSTRUCTION.
 - UTILITY RUBBER MAT TO BE INSTALLED UNDER ALL DISH EQUIPMENT. RUBBER MAT IS TESTING ON OR APPLIED TO ROOF MEMBRANE.
 - CONTRACTOR TO PAINT ALL (N) EQUIPMENT TO MATCH (C)



ENLARGED SITE PLAN

EQUIPMENT PLAN



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



PRECISION DESIGN
Design, Inc.
Phone: (303) 524-8446 www.precisiondesign.com
1170 Pennsylvania Street, Suite 100, Littleton, CO 80120

PROFESSIONAL SEAL
BRETT JONES
REGISTERED PROFESSIONAL ENGINEER
STATE OF NEVADA
No. 19335



DRAWN BY: CHECKED BY: APPROVED BY:
A. MCCOMB T. JONES B. MCCOMB

REDS REV # 1

CONSTRUCTION DOCUMENTS

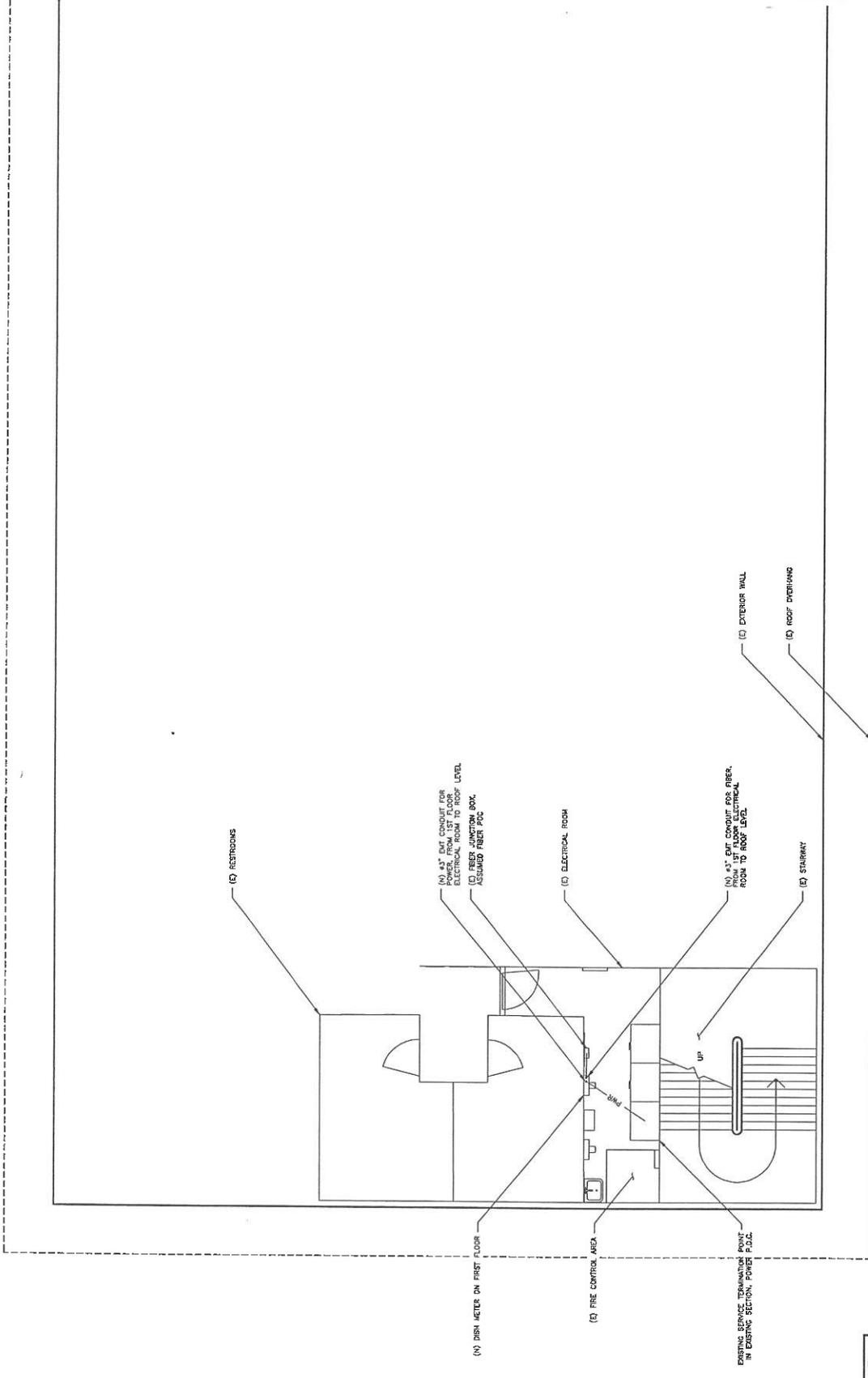
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2	07/25/22	CH 100K
3	07/27/22	CH 100K
4	08/23/22	CH 100K

AGE PROJECT NUMBER
SCRN000017C

DISH wireless, L.L.C.
PROJECT INFORMATION
600 E WILLIAM ST.
CARSON CITY, NV 89701

SHEET TITLE
FIRST FLOOR PLAN

SHEET NUMBER
A-4



FIRST FLOOR



1



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



PRECISION DESIGN
Precision Design, Inc.
11788 Avenida RL, Suite 20, Arroyo, CA 95023

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A. MCCOMB T. JONES B. MCCOMB

REFS REV # 1

CONSTRUCTION DOCUMENTS

REV	DATE	DESCRIPTION
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Δ	07/29/22	OWNER
Δ	07/27/22	OWNER
Δ	06/29/22	OWNER

AMEE PROJECT NUMBER
SCRN000017C

BSW WIRELESS, LLC
PROJECT INFORMATION

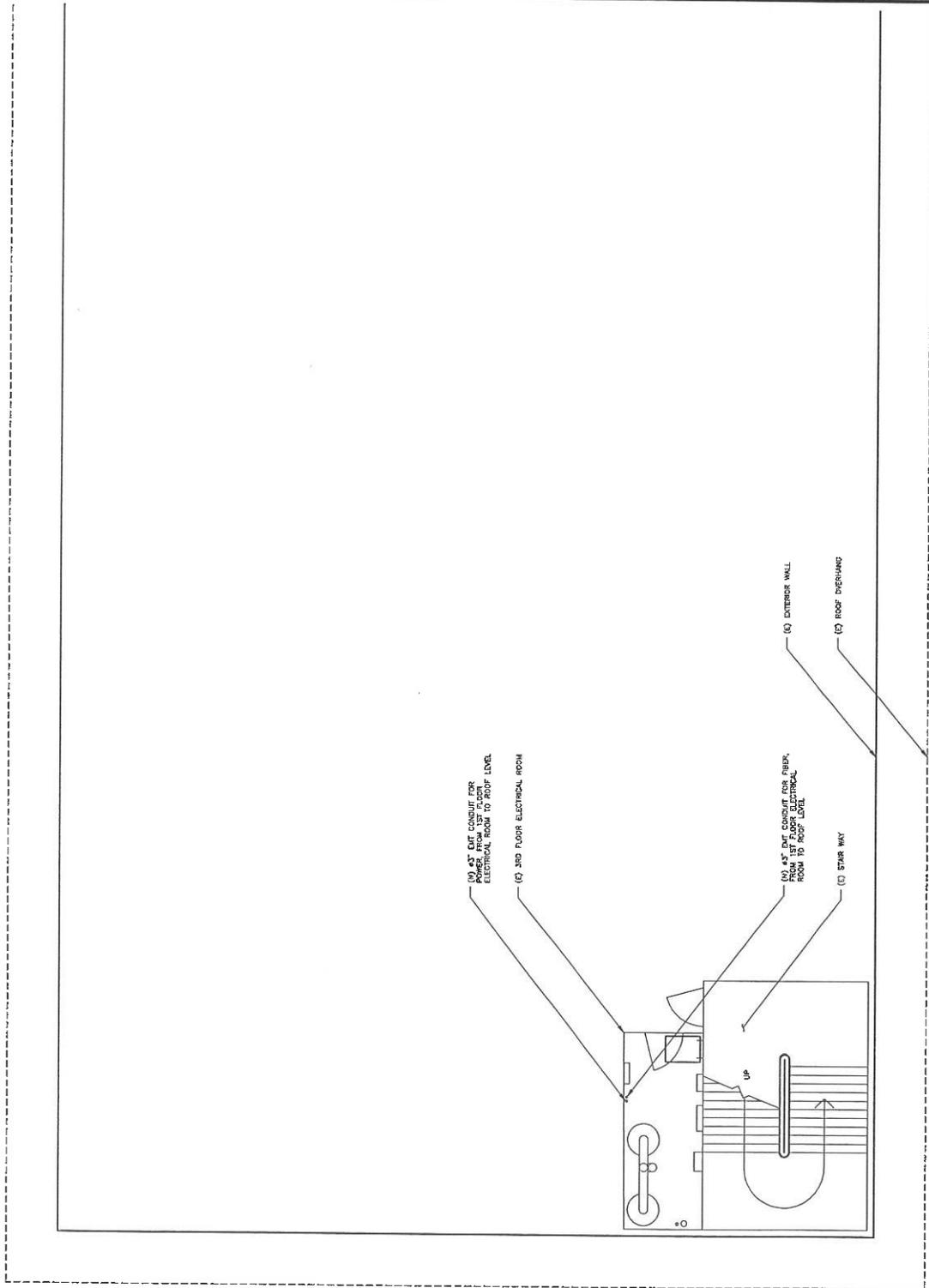
600 E. WILLIAM ST
CARSON CITY, NV 89701

SHEET TITLE

THIRD FLOOR PLAN

SHEET NUMBER

A-5



THIRD FLOOR PLAN





5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



PRECISION DESIGN
Engineering, Inc.
1198 AVENUE H, SUITE 20, ALBANY, CA 94706

PROFESSIONAL ENGINEER
STATE OF NEVADA
No. 19550
Civil



DRAWN BY: T. JONES
CHECKED BY: APPROVED BY: B. MCCOMB
RFDS REV #:

CONSTRUCTION DOCUMENTS

REV	DATE	DESCRIPTION
1	07/27/22	ISSUE
2	07/27/22	ISSUE
3	07/27/22	ISSUE
4	08/24/22	ISSUE

446 PROJECT NUMBER
SCRN000017C
OSH WIRELESS LLC
PROJECT INFORMATION
800 E WILLIAM ST
CARSON CITY, NV 89701

SHEET TITLE
EQUIPMENT DETAILS

SHEET NUMBER
A-8

FUJITSU TRIPLE BAND TA08023-B605	
DIMENSIONS (HxWxD)	14.9" x 15.7" x 7.8"
WEIGHT	74.05 lbs
CONNECTOR TYPE	4.3-15.9F
POWER SUPPLY	DC -58V--35V

FUJITSU DUAL BAND TA08023-B604	
DIMENSIONS (HxWxD)	14.9" x 15.7" x 7.8"
WEIGHT	63.9 lbs
CONNECTOR TYPE	4.3-15.9F
POWER SUPPLY	DC -58V--35V

GPSGL-TMG-SPI-40NCB	
DIMENSIONS (HxWxD)	5.11" x 10.0" x 3.27" x 2.5"
WEIGHT	0.75 lbs
CONNECTOR	N-FEMALE
FREQUENCY RANGE	1590 ± 20MHz

RRH DETAIL	
JMA MX08FR0665-21	75" x 20.0" x 8.0"
DIMENSIONS (HxWxD)	75" x 20.0" x 8.0"
RF PORTS, CONNECTOR TYPE	6 x 4.3-15.9 FEMALE
WEIGHT	64.5 lbs
HEIGHT WITH BRACKETS	62.5 lbs

RRH DETAIL	
CHARLES CFIT-PF2020DSH1 FIBER TELCO ENCLOSURE	20" x 20" x 9"
DIMENSIONS (HxWxD)	20" x 20" x 9"
WEIGHT	20 lbs
WALL	TYPE 4
COMPLIANCE	

RRH DETAIL	
CHARLES CFIT-PF2020DSH1 FIBER TELCO ENCLOSURE	20" x 20" x 9"
DIMENSIONS (HxWxD)	20" x 20" x 9"
WEIGHT	21.82 lbs

SURGE SUPPRESSION DETAIL (OVP)	
COMMSCOPE VHLP2-18/D	25.9" x 25.0"
DIMENSIONS (HxWxD)	25.9" x 25.0"
WEIGHT	12.7 lbs

FIBER TELCO ENCLOSURE DETAIL	
CHARLES CFIT-PF2020DSH1 FIBER TELCO ENCLOSURE	20" x 20" x 9"
DIMENSIONS (HxWxD)	20" x 20" x 9"
WEIGHT	20 lbs
WALL	TYPE 4
COMPLIANCE	

CABLE TRAY DETAIL	
COMMSCOPE LT-12-4D CABLE TRAY	12" x 12" x 4"
DIMENSIONS (LxWxH)	12" x 12" x 4"

ANTENNA DETAIL	
CHARLES INDUSTRY HEX CUBE-PW639155N4	74" x 32" x 32"
DIMENSIONS (HxWxD)	74" x 32" x 32"
POWER PLANS	-48DC ABS/ROOF
TOTAL WEIGHT (EMPTY)	408 lbs

ANTENNA DETAIL	
CHARLES INDUSTRY HEX CUBE-PW639155N4	74" x 32" x 32"
DIMENSIONS (HxWxD)	74" x 32" x 32"
POWER PLANS	-48DC ABS/ROOF
TOTAL WEIGHT (EMPTY)	408 lbs

MICROWAVE ANTENNA DETAIL	
CHARLES INDUSTRY HEX CUBE-PW639155N4	74" x 32" x 32"
DIMENSIONS (HxWxD)	74" x 32" x 32"
POWER PLANS	-48DC ABS/ROOF
TOTAL WEIGHT (EMPTY)	408 lbs



PROFESSIONAL ENGINEER
STATE OF NEVADA
No. 11650



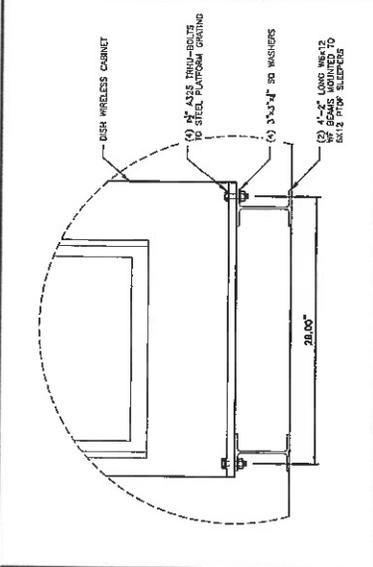
DRAWN BY: CHECKED BY: APPROVED BY:
A. MCCOMB T. JONES B. MCCOMB
RFS REV #:

CONSTRUCTION DOCUMENTS

REV	DATE	DESCRIPTION
1	04/13/22	ISSUE
2	07/27/22	ISSUE
3	07/27/22	ISSUE
4	08/23/22	ISSUE

466 PROJECT NUMBER
SCRN000017C
DISH Wireless LLC
PROJECT INFORMATION
600 E WILLIAM ST
CARSON CITY, NV 89701

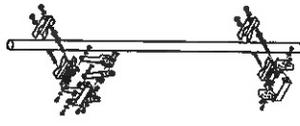
SHEET TITLE
EQUIPMENT DETAILS
SHEET NUMBER
A-9



CABINET ANCHOR DETAIL NO SCALE 3

JMA ANTENNA MOUNT BRACKET #9190031B	
TOTAL WEIGHT (WITH BRACKET)	18 lbs (8.18 kg)
POLE DIAMETER RANGE	2.5" TO 4.5"

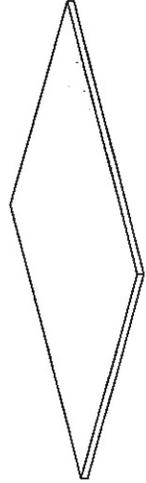
NOTE:
KIT #9190031B: TOP AND BOTTOM BRACKETS FOR 4-, 5-, AND 6-FOOT ANTENNAS.
ANTENNA BRACKET NOT PART OF KIT



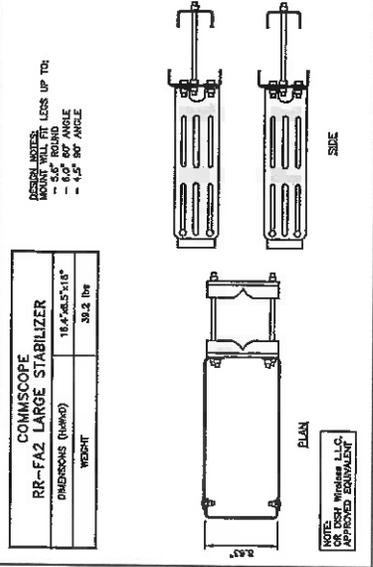
NOTE:
OR DISH Wireless LLC APPROVED EQUIPMENT

ANTENNA BRACKET DETAIL NO SCALE 6

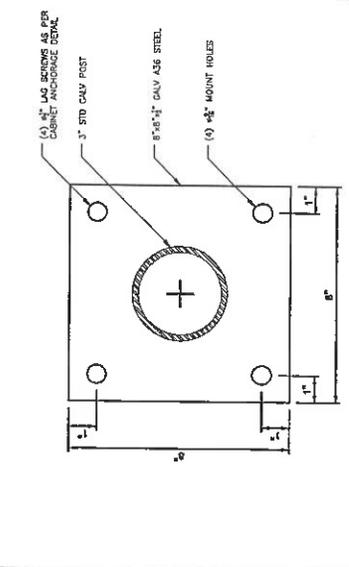
UTILITY RUBBER MAT, BLACK	
DIMENSIONS	4' x 3' 1/2"
WEIGHT/ VOLUME	34.5 LB AVERAGE
MATERIAL	100% RECYCLE RUBBER



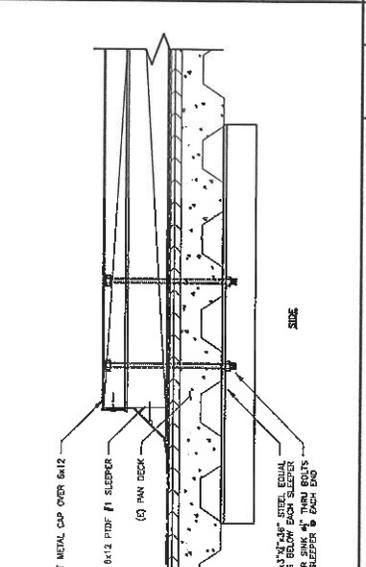
UTILITY RUBBER MAT DETAIL NO SCALE 8



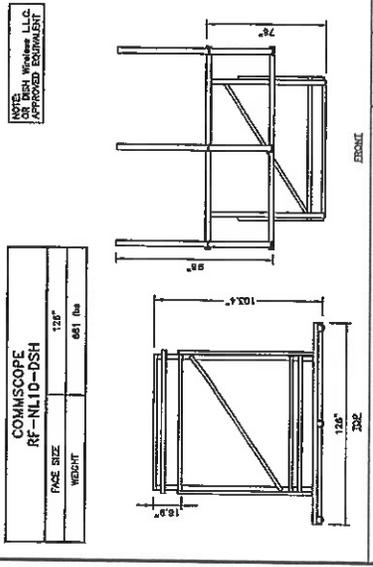
RRM MOUNT DETAIL NO SCALE 2



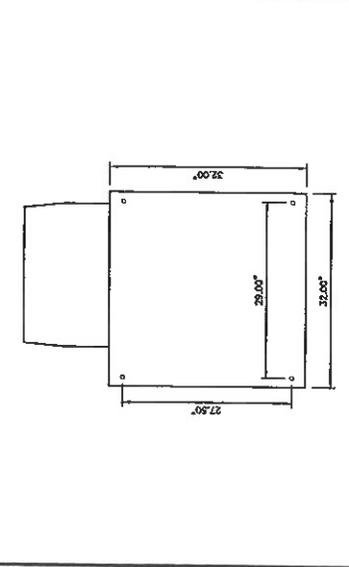
BASE PLATE DETAIL NO SCALE 5



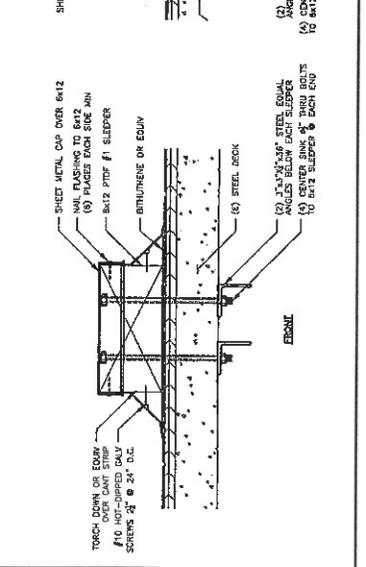
SLEEPER TO STEEL ANGLE DETAIL NO SCALE 7



NON-PENETRATING BALLASTED FRAME DETAIL NO SCALE 1



CABINET BOLT PATTERN DETAIL NO SCALE 4



SLEEPER TO STEEL ANGLE DETAIL NO SCALE 7



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



PRECISION DESIGN
Design Works, Inc.
 Project: (02) 020406 ANE-0001.com
 11704 Avenida Rd. Suite 20, Alhambra, CA 91803

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DRAWN BY: CHECKED BY: APPROVED BY:
 A. McCOMB T. JONES B. McCOMB

RFDS REV # 1

CONSTRUCTION DOCUMENTS

REV	DATE	DESCRIPTION
	04/10/22	CONK
	05/17/22	CONK
	07/07/22	CONK
	08/03/22	CONK

AAE PROJECT NUMBER
 SCRNO00017C

DESIGN WORKS, L.L.C.
 PROJECT INFORMATION
 600 E WILLIAM ST
 CARSON CITY, NV 89701

SHEET TITLE
 EQUIPMENT DETAILS

SHEET NUMBER
A-10

NO SCALE	NO SCALE	NO SCALE	NO SCALE	NO SCALE	NO SCALE
<p>CABLES UNLIMITED HYBRID CABLE MINIMUM BEND RADIISES</p>	<p>GPS MINIMUM SKY VIEW REQUIREMENTS</p>	<p>EXON-DMON METER DETAIL</p>	1	2	3
NOT USED	NOT USED	NOT USED	4	5	6
NOT USED	NOT USED	NOT USED	7	8	9



DRAWN BY: CHECKED BY: APPROVED BY:
A. MCCOMB T. JONES B. MCCOMB

CONSTRUCTION DOCUMENTS

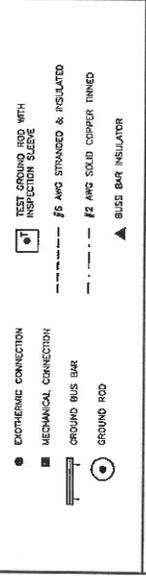
REV	DATE	DESCRIPTION
1	04/13/21	ISSUE
2	06/23/21	CHANGES
3	07/29/21	CHANGES
4	07/29/21	CHANGES
5	08/20/21	CHANGES

AGE PROJECT NUMBER
SCR0000017C

DISH WIRELESS, L.L.C.
PROJECT INFORMATION
600 E WILLIAM ST
CARSON CITY, NV 89701

SHEET TITLE
GROUNDING DETAILS

SHEET NUMBER
G-1

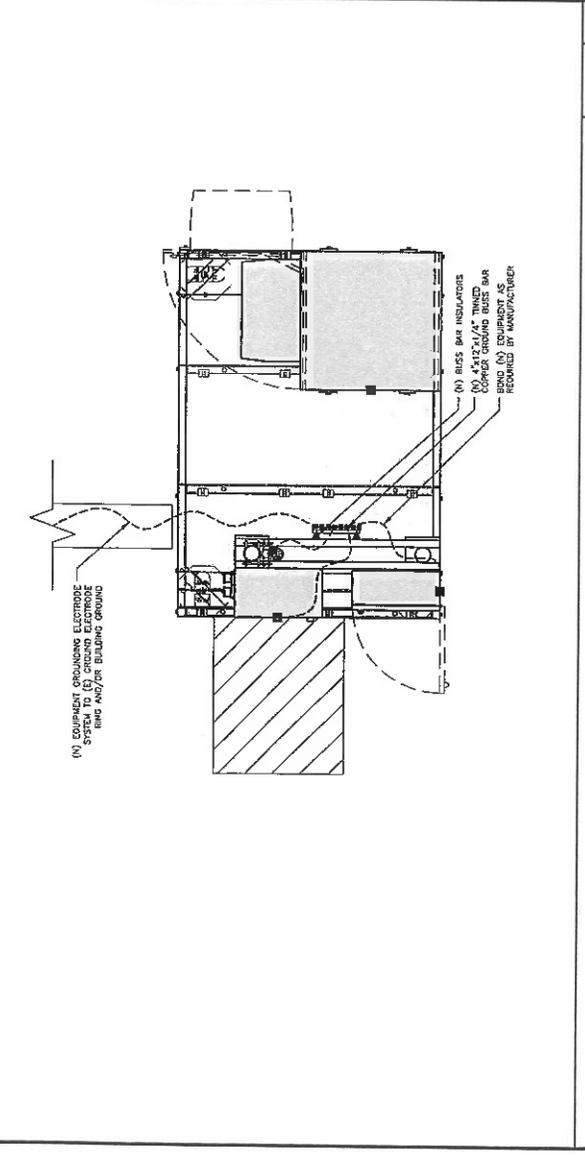


- GROUNDING IS SHOWN DIAGRAMMATICALLY ONLY.
- CONDUCTORS SHALL BE INSTALLED AS A COMPLETE SYSTEM. GROUNDING SHALL BE IN COMPLIANCE WITH THE SECTION AND THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND MANUFACTURER'S SPECIFICATIONS.
- ALL GROUND CONDUCTORS SHALL BE COPPER, NO ALUMINUM CONDUCTORS SHALL BE USED.

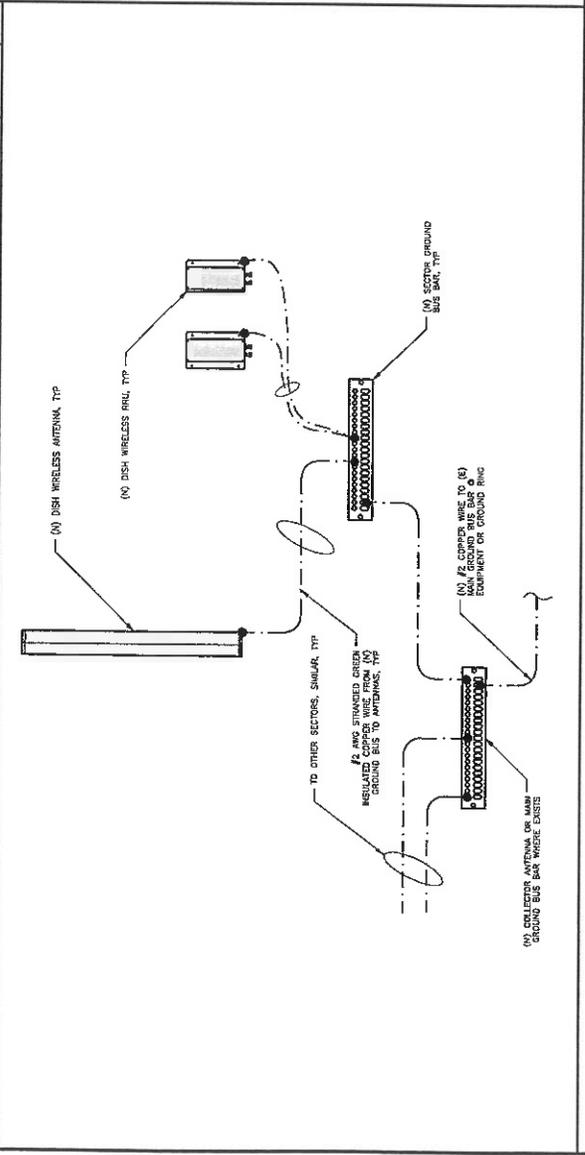
GROUNDING KEY NOTES

- EXTERIOR GROUND RING: #2 AWG SOLID COPPER, BURIED AT A DEPTH OF AT LEAST 30 INCHES BELOW THE FINISH GRADE AND APPROXIMATELY 24 INCHES FROM THE EXTERIOR WALL OR FOOTING.
- INTERIOR GROUND RING: THE GROUND RING SYSTEM SHALL BE INSTALLED AROUND AN ANTENNA TOWER'S LEGS, AND SHALL BE MECHANICALLY BONDED TO THE TOWER AND THE BUILDING. AT LEAST TWO BONDS SHALL BE MADE BETWEEN THE EXTERIOR GROUND RING AND THE BUILDING GROUND SYSTEM USING MINIMUM #2 AWG SOLID COPPER CONDUCTORS.
- INTERIOR GROUND RING: #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTOR EXTENDED AROUND THE PERIMETER OF THE TOWER AND BUILDING. INSULATED COPPER CONDUCTORS SHALL BE MECHANICALLY BONDED TO THE INTERIOR GROUND RING WITH #2 AWG STRANDED GREEN INSULATED CONDUCTOR.
- BOND TO INTERIOR GROUND RING: #2 AWG SOLID TINNED COPPER WIRE PRIMARY BONDS SHALL BE PROVIDED AT LEAST AT FOUR POINTS ON THE INTERIOR GROUND RING, LOCATED AT THE CORNERS OF THE BUILDING.
- GROUNDING BOND: LISTED COPPER CLAD STEEL MINIMUM 1/2" DIAMETER BY 60 FT LENGTH GREEN COPPER RODS SHALL BE INSTALLED WITH INSPECTION SLEEVES. GROUND RODS SHALL BE DRIVEN TO THE DEPTH OF GROUND RING CONDUCTOR.
- CELL REFERENCE GROUND BAR: POINT OF GROUND REFERENCE FOR ALL COMMUNICATIONS EQUIPMENT FRAMES. ALL BONDS ARE MADE WITH #2 AWG UNLESS NOTED OTHERWISE. STRANDED GREEN INSULATED COPPER CONDUCTORS, BOND TO GROUND RING WITH (2) #2 SOLID TINNED COPPER CONDUCTORS.
- MATCH PLATE GROUND BAR: BONDS TO THE INTERIOR GROUND RING WITH #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS. WHEN A MATCH-PLATE AND A CELL REFERENCE GROUND BAR ARE BOTH PRESENT, THE ONE MUST BE CONNECTED TO THE MATCH-PLATE AND TO THE INTERIOR GROUND RING USING (2) TWO #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS EACH.
- EXTERIOR CABLE ENTRY POINT GROUND BRASS: LOCATED AT THE ENTRANCE TO THE CELL SITE BUILDING, BOND TO INTERIOR GROUND RING WITH A #2 AWG SOLID TINNED COPPER CONDUCTORS WITH AN EoTHERMIC WELD AND INSPECTION SLEEVE.
- CELL GROUND BAR: BOND TO BOTH CELL REFERENCE GROUND BAR OR EXTERIOR GROUND RING.
- FRAME BONDS: THE BONDING POINT FOR TELECOM EQUIPMENT FRAMES SHALL BE THE GROUND BUS THAT IS NOT ISOLATED FROM THE EQUIPMENT'S METAL FRAMEWORK.
- INTERIOR LINE BONDS: METAL FRAMES, CABINETS AND INDIVIDUAL METALLIC UNITS LOCATED WITHIN THE AREA OF THE INTERIOR GROUND RING REQUIRE A #8 AWG STRANDED GREEN INSULATED COPPER BOND TO THE INTERIOR GROUND RING.
- TERMINAL AND GATE CONDUITS: METAL FRAMES WITHIN 7 FEET OF THE EXTERIOR GROUND RING OR OBJECTS BUNDED TO THE EXTERIOR GROUND RING SHALL BE BONDED TO THE GROUND RING WITH #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS AT AN INTERVAL NOT EXCEEDING 25 FEET. BONDS SHALL BE MADE AT EACH GATE POST AND ACCESS GATE OPENINGS.
- EXTERIOR LINE BONDS: METALLIC OBJECTS, EXTERNAL TO OR MOUNTED TO THE BUILDING, SHALL BE BONDED TO THE EXTERIOR GROUND RING, USING #2 TINNED SOLID COPPER WIRE.
- ICE BRIDGE SUPPORTS: EACH ICE BRIDGE LEG SHALL BE BONDED TO THE GROUND RING WITH #2 AWG GATE TINNED COPPER CONDUCTOR. PROVIDE EoTHERMIC WELDS AT BOTH THE ICE BRIDGE LEG AND BUNDED GROUND RING.
- DURING ALL DC POWER SYSTEM CHANGES INCLUDING DC SYSTEM CHANGE OUTS, RECTIFIER REPLACEMENTS OR ADDITIONS, BATTERY DISTRIBUTION CHANGES, BATTERY REPLACEMENTS AND BATTERY CHARGERS, ALL DC POWER SYSTEMS SHALL BE DE-ENERGIZED. ALL DC POWER SYSTEMS ARE EQUIPPED WITH DC SYSTEM CONDUCTORS FROM THE DC POWER SYSTEM COMMON RETURN BUS DIRECTLY CONNECTED TO THE CELL SITE REFERENCE GROUND BAR.
- TOWER TOP COLLECTOR BUSH BAR IS TO BE MECHANICALLY BONDED TO PROPOSED ANTENNA MOUNT COLLAR. REFER TO DISH WIRELESS, L.L.C. GROUNDING NOTES.

NO SCALE
GROUNDING KEY NOTES
NO SCALE



EQUIPMENT GROUNDING PLAN
NO SCALE



TYPICAL GROUNDING PLAN
NO SCALE



PROFESSIONAL ENGINEER
STATE OF NEVADA
No. 13850
BRETT J. JONES
Civil



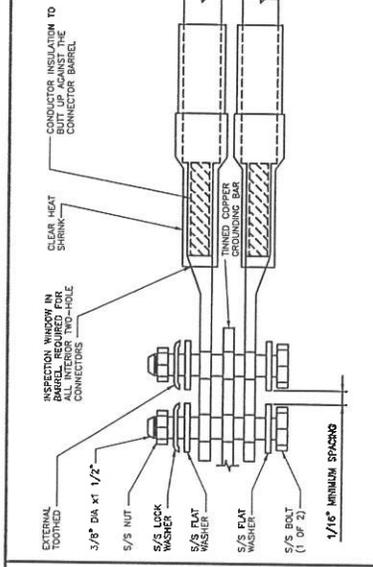
DRAWN BY: CHECKED BY: APPROVED BY:
A. MCCOMB T. JONES B. MCCOMB
RFDS REV #:
1

CONSTRUCTION DOCUMENTS

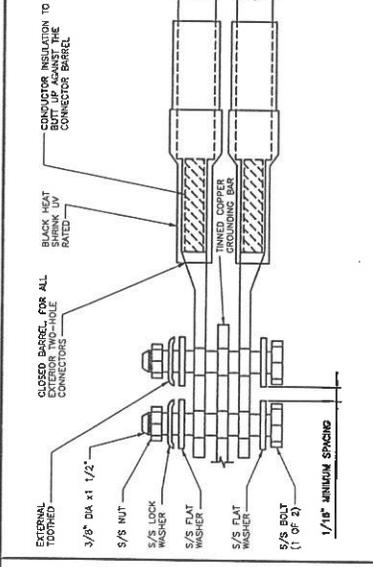
REV	DATE	DESCRIPTION
1	04/13/22	CONTRACT
2	05/12/22	CHANGES
3	07/25/22	CHANGES
4	07/27/22	CHANGES
5	08/02/22	CHANGES

AGE PROJECT NUMBER
SCRN000017C
PROJECT INFORMATION
600 E WILLIAM ST
CARSON CITY, NV 89701

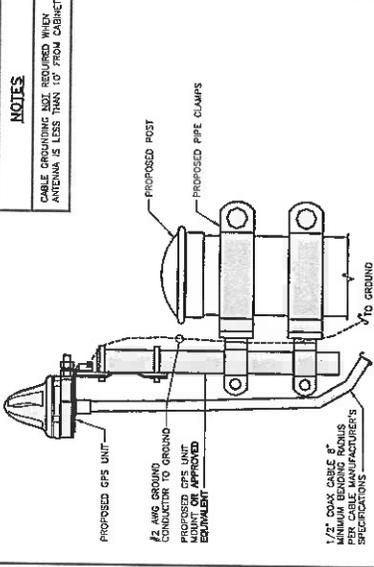
SHEET TITLE
GROUNDING DETAILS
SHEET NUMBER
G-2



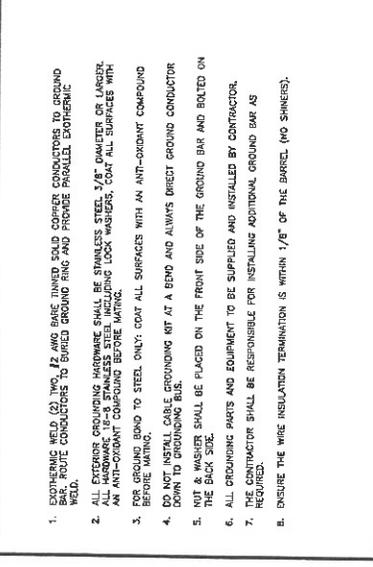
TYPICAL INTERIOR TWO-HOLE LUG
NO SCALE 3



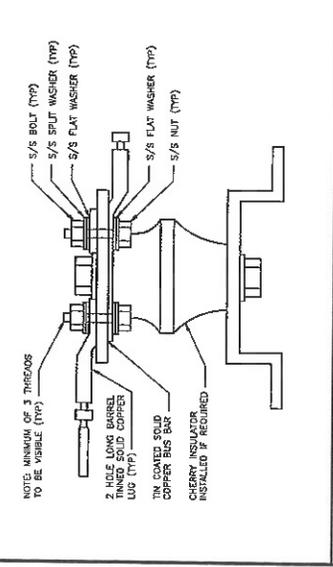
TYPICAL EXTERIOR TWO-HOLE LUG
NO SCALE 2



TYPICAL GPS UNIT GROUNDING
NO SCALE 5



LUG DETAIL
NO SCALE 4



OUTDOOR CABINET GROUNDING
NO SCALE 6

- TYPICAL GROUNDING NOTES**
1. EXOTHERMIC WELD (E) SHALL BE WELDING COPPER CONDUCTORS TO GROUND BARS. COPPER CONDUCTORS TO BE WELDED TO GROUND BARS AND PROVIDE PARALLEL EXOTHERMIC WELD.
 2. ALL EXTERIOR GROUNDING HARDWARE SHALL BE STAINLESS STEEL. 3/16\"/>

NOTES

CABLE GROUNDING SIZE REQUIRED WHEN ANTENNA IS LESS THAN 10' FROM CABINET

