Board of Adjustment Staff Report



Meeting Date: June 6, 2019

Agenda Item: 8G

SPECIAL USE PERMIT CASE NUMBER: WSUP19-0004 (Fox Mountain Monopole)

 BRIEF SUMMARY OF REQUEST:
 Construction and operation of a new 150-foot high

 monopole for wireless communication.
 STAFF PLANNER:

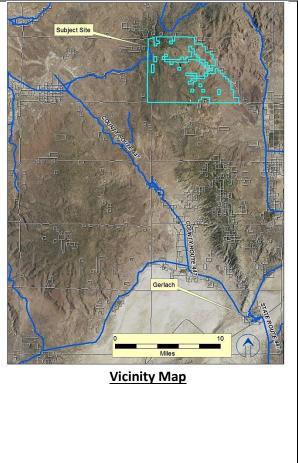
 Roger Pelham, Senior Planner
 775.328.3622

775.328.3622 rpelham@washoecounty.us

CASE DESCRIPTION

For possible action, hearing, and discussion to approve the construction and operation of a new wireless cellular facility consisting of a 150-foot high monopole structure, solar arrays, outdoor shelter with an interior generator room, and three (3) propane tanks within an irregular lease area situated at Fox Mountain, Nevada.

Applicant:	Commnet of Nevada
Property Owner:	United States of America – Bureau of Land Management
Location:	At the terminus of Old Camp Canyon Road/Fox Mountain Road, approximately 7 miles northwest of its intersection with County Road 447 and approximately 30 miles northwest of the town of Gerlach in Northern Washoe County
APN:	066-080-33
Parcel Size:	± 23,299 acres
Master Plan:	Rural
Regulatory Zone:	General Rural
Area Plan:	High Desert
Citizen Advisory Board:	Gerlach / Empire
Development Code:	Authorized in Article 324, Communication Facilities and Article 810 Special Use Permits
Commission District:	5 – Commissioner Herman



STAFF RECOMMENDATION

APPROVE

APPROVE WITH CONDITIONS

DENY

POSSIBLE MOTION

I move that, after giving reasoned consideration to the information contained in the staff report and information received during the public hearing, the Washoe County Board of Adjustment approve with conditions Special Use Permit Case Number WSUP19-0004 for Commnet Nevada, having made all five findings in accordance with Washoe County Code Section 110.810.30.

(Motion with Findings on Page 11)

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Exhibits Contents

Conditions of Approval	Exhibit A
Agency Comments	Exhibit B
Public Notice	Exhibit C
Project Application	Exhibit D

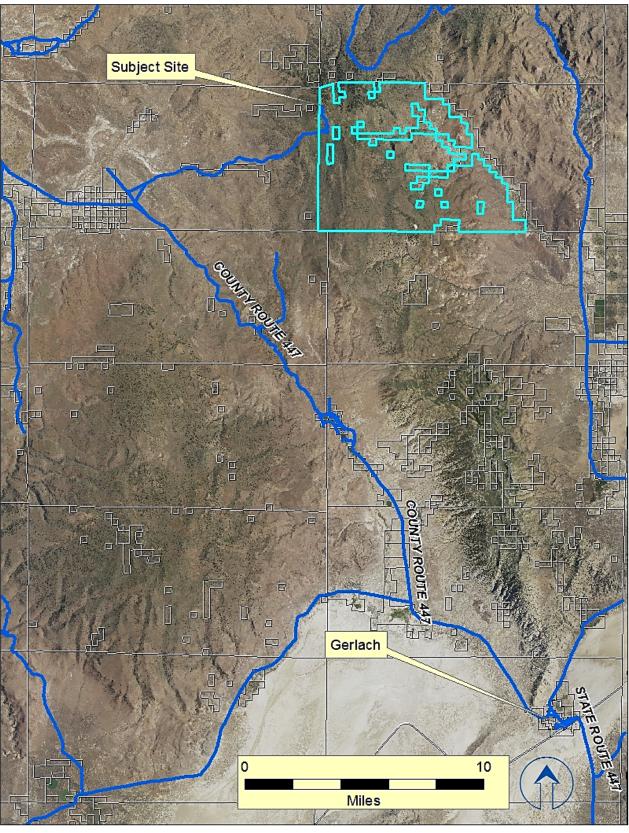
Special Use Permit

The purpose of a Special Use Permit is to allow a method of review to identify any potential harmful impacts on adjacent properties or surrounding areas for uses that may be appropriate within a regulatory zone; and to provide for a procedure whereby such uses might be permitted by further restricting or conditioning them so as to mitigate or eliminate possible adverse impacts. If the Board of Adjustment grants an approval of the Special Use Permit, that approval is subject to Conditions of Approval. Conditions of Approval are requirements that need to be completed during different stages of the proposed project. Those stages are typically:

- Prior to permit issuance (i.e. a grading permit, a building permit, etc.)
- Prior to obtaining a final inspection and/or a certificate of occupancy on a structure
- Prior to the issuance of a business license or other permits/licenses
- Some Conditions of Approval are referred to as "Operational Conditions." These conditions must be continually complied with for the life of the business or project.

The Conditions of Approval for Special Use Permit Case Number WSUP19-0004 are attached to this staff report and will be included with the Action Order, if approval is granted by Washoe County.

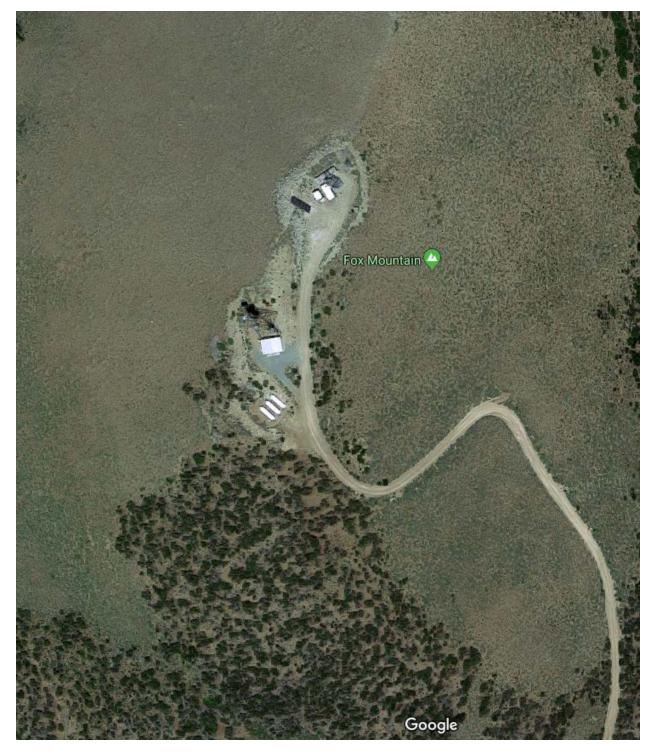
The subject property is designated General Rural (GR). The proposed use of a wireless communication facility is permitted in the GR regulatory zone subject to the approval of a special use permit per WCC 110.328. Therefore, the applicant is seeking approval of this SUP from the Board of Adjustment.



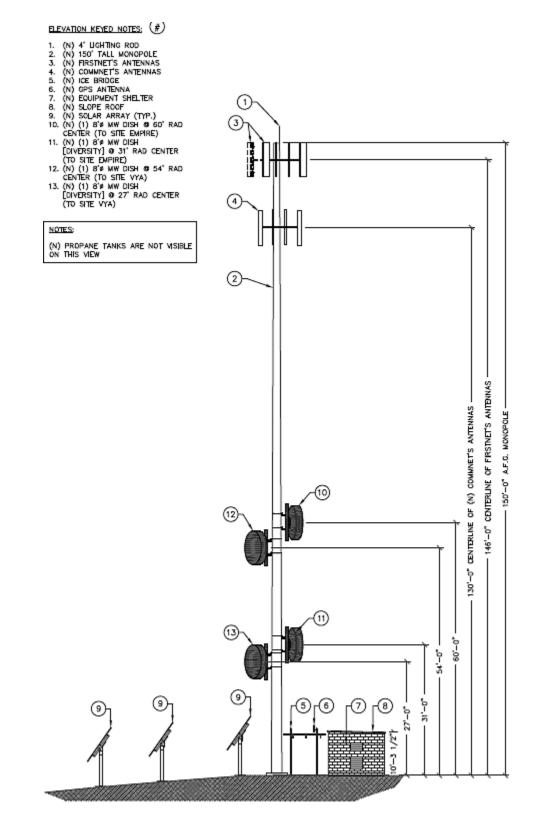
Vicinity Map



Proposed Site Plan



Overhead Photo of Subject Site (Google Earth)



Elevation of Proposed Facility



Subject site, looking south



Project Evaluation

The applicant, Commnet of Nevada, is requesting approval of a Special Use Permit to allow the construction of a monopole antenna to facilitate wireless communication. The pole is proposed to be constructed of galvanized steel that will dull to a non-reflective, non-corroding grey color. The 150-foot tall monopole will be equipped with 6 panel antennas and will be able to accommodate future collocations. The project is located at the terminus of Old Camp Canyon Road/Fox Mountain Road, approximately 7 miles northwest of its intersection with County Road 447 and approximately 30 miles northwest of the town of Gerlach in Northern Washoe County. This location was previously developed with two other wireless communication facilities.

There are few impacts anticipated in association with the construction of this monopole antenna. Visual impact is of limited concern, as there are no dwellings in the vicinity of the project site.

The applicant has also applied for a director's modification of standards to eliminate the ornamental landscaping that is typically required of commercial developments. Given the remote location, staff is inclined toward approval of that request, but would appreciate any guidance that the Board of Adjustment would care to provide on the topic. Dry-land revegetation of all disturbed areas with native seed mixes will be required if the requirement for ornamental landscaping is waived.

The monopole overall height is proposed to be ± 150.0 feet tall to the top of pole. Sections 110.324.40 through 110.324.75 of the Washoe County Code (Table 110.324.50.1) allows heights of "+100" when the pole is located more than 2000 feet from a residentially zoned property or public paved right of way. By straight-line distance the subject site is approximately 7 miles from a paved public road. By dirt road, the subject site is approximately 10 miles from a public paved road. The proposed project is consistent with the applicable standards of the Development Code.

Gerlach/Empire Citizen Advisory Board (GECAB)

The proposed project was presented by the applicant's representative at the regularly scheduled Citizen Advisory Board meeting on May 9, 2019. The CAB did not express opposition to the project and encouraged Washoe County to facilitate further enhancement of the cellular coverage in the High Desert Planning Area. The draft minutes from that meeting will be provided to the BOA at the public hearing.

Reviewing Agencies

The following agencies received a copy of the project application for review and evaluation.

- Washoe County Community Services Department
 - Planning and Building Division
 - Engineering and Capital Projects Division
 - Utilities/Water Rights
 - Parks and Open Spaces
- Washoe County Health District
 - Air Quality Management Division
 - Vector-Borne Diseases Program
 - Environmental Health Services Division
- US Bureau of Land Management
- US Fish and Wildlife
- Nevada Department of Environmental Protection
- Nevada Department of Wildlife
- Nevada Historic Preservation
- Washoe County Animal Services
- Washoe County Sheriff
- Truckee Meadows Fire Protection District
- Regional Transportation Commission
- Washoe-Storey Conservation District

Three of the seventeen above-listed agencies/departments provided comments and/or recommended conditions of approval in response to their evaluation of the project application. A

requirements.

summary of each agency's comments and/or recommended conditions of approval and their contact information is provided. The Conditions of Approval document is attached to this staff report and will be included with the Action Order.

• <u>Washoe County Planning and Building Division</u> addressed revegetation and compliance with the plans submitted as part of the Special use Permit application.

Contact: Roger Pelham, 775.328.3622, rpelham@washoecounty.us

- <u>Washoe County Engineering and Capital Projects</u> addressed technical considerations for the construction drawings and easements on the project site.
 Contact: Leo Vesely, 775.328.2041, Ivesely@washoecounty.us
- <u>Truckee Meadows Fire Protection District</u> addressed compliance with the International Wildland Urban Interface Code (IWUIC), wildland fire risk and defensible space

Contact: Don Coon, 775.326.6077, Dcoon@tmfpd.us

• <u>U.S. Fish and Wildlife Service</u> addressed raven nests, sage grouse and noxious weeds on the project site.

Contact: Tara L. Vogel, 775.861.6301, tara_vogel@fws.gov

Staff Comment on Required Findings

WCC Section 110.810.30, Article 810, *Special Use Permits*, requires that all of the following findings be made to the satisfaction of the Washoe County Board of Adjustment before granting approval of the request. Staff has completed an analysis of the special use permit application and has determined that the proposal is in compliance with the required findings as follows.

1. <u>Consistency.</u> That the proposed use is consistent with the action programs, policies, standards and maps of the Master Plan and the High Desert Area Plan.

<u>Staff Comment:</u> There are no policies or action programs within the High Desert Area Plan that conflict with the approval of a Special Use Permit to allow a new wireless cellular facility consisting of a 150-foot high monopole structure, solar arrays, outdoor shelter with an interior generator room, and three (3) propane tanks.

2. <u>Improvements.</u> That adequate utilities, roadway improvements, sanitation, water supply, drainage, and other necessary facilities have been provided, the proposed improvements are properly related to existing and proposed roadways, and an adequate public facilities determination has been made in accordance with Division Seven.

<u>Staff Comment:</u> The project site is very remote, and currently developed with two other wireless communication facilities, therefore adequate utilities, roadway improvements, sanitation, water supply, drainage, and other necessary facilities have been provided, the proposed improvements are properly related to existing and proposed roadways, and an adequate public facilities determination can be made in accordance with Division Seven.

3. <u>Site Suitability.</u> That the site is physically suitable for a cellular communication facility, and for the intensity of such a development.

<u>Staff Comment:</u> The project site is very remote, and currently developed with two other wireless communication facilities, therefore the site is physically suitable for a cellular communication facility, and for the intensity of such a development.

4. <u>Issuance Not Detrimental.</u> That issuance of the permit will not be significantly detrimental to the public health, safety or welfare; injurious to the property or improvements of adjacent properties; or detrimental to the character of the surrounding area.

<u>Staff Comment</u>: The project site is very remote, and there are no residences in the vicinity of the project. The project, if approved, will result in greater access to communication in a

remote area and may be seen to enhance public safety in that area. Issuance of the permit will not be significantly detrimental to the public health, safety or welfare; injurious to the property or improvements of adjacent properties; or detrimental to the character of the surrounding area.

5. <u>Effect on a Military Installation</u>. Issuance of the permit will not have a detrimental effect on the location, purpose or mission of the military installation.

<u>Staff Comment:</u> There is no military installation within the area required to be noticed for this permit, therefore, the issuance of the permit cannot not have a detrimental effect on the location, purpose or mission of a military installation.

Recommendation

Those agencies which reviewed the application recommended conditions in support of approval of the project. Therefore, after a thorough analysis and review, Special Use Permit Case Number WSUP19-0004 is being recommended for approval with conditions. Staff offers the following motion for the Board's consideration.

<u>Motion</u>

I move that, after giving reasoned consideration to the information contained in the staff report and information received during the public hearing, the Washoe County Board of Adjustment approve with conditions Special Use Permit Case Number WSUP19-0004 for Commnet Nevada, having made all five findings in accordance with Washoe County Code Section 110.810.30:

- 1. <u>Consistency.</u> That the proposed use is consistent with the action programs, policies, standards and maps of the Master Plan and the High Desert Area Plan;
- 2. <u>Improvements.</u> That adequate utilities, roadway improvements, sanitation, water supply, drainage, and other necessary facilities have been provided, the proposed improvements are properly related to existing and proposed roadways, and an adequate public facilities determination has been made in accordance with Division Seven;
- 3. <u>Site Suitability.</u> That the site is physically suitable for a cellular communication facility, and for the intensity of such a development;
- 4. <u>Issuance Not Detrimental.</u> That issuance of the permit will not be significantly detrimental to the public health, safety or welfare; injurious to the property or improvements of adjacent properties; or detrimental to the character of the surrounding area; and
- 5. <u>Effect on a Military Installation</u>. Issuance of the permit will not have a detrimental effect on the location, purpose or mission of the military installation.

Appeal Process

Board of Adjustment action will be effective 10 calendar days after the written decision is filed with the Secretary to the Board of Adjustment and mailed to the applicant, unless the action is appealed to the Washoe County Board of County Commissioners, in which case the outcome of the appeal shall be determined by the Washoe County Board of County Commissioners. Any appeal must be filed in writing with the Planning and Building Division within 10 calendar days from the date the written decision is filed with the Secretary to the Board of Adjustment and mailed to the applicant.

Applicant: Commnet of Nevada Attn: Cindy Phillips 1562 North Park Street Castle Rock, CO 80109

- Owner: US BLM Attn: Daniel Ryan 2550 Riverside Drive Susanville, CA 96130
- Representatives: CIS Communications Attn: Julie Krekler 749 Old Ballas Road Creve Coeur, MO 63141



Conditions of Approval

Special Use Permit Case Number WSUP19-0004

The project approved under Special Use Permit Case Number WSUP19-0004 shall be carried out in accordance with the Conditions of Approval granted by the Board of Adjustment on June 6, 2019. Conditions of Approval are requirements placed on a permit or development by each reviewing agency. These Conditions of Approval may require submittal of documents, applications, fees, inspections, amendments to plans, and more. These conditions do not relieve the applicant of the obligation to obtain any other approvals and licenses from relevant authorities required under any other act.

<u>Unless otherwise specified</u>, all conditions related to the approval of this Special Use Permit shall be met or financial assurance must be provided to satisfy the conditions of approval prior to issuance of a grading or building permit. The agency responsible for determining compliance with a specific condition shall determine whether the condition must be fully completed or whether the applicant shall be offered the option of providing financial assurance. All agreements, easements, or other documentation required by these conditions shall have a copy filed with the County Engineer and the Planning and Building Division.

Compliance with the conditions of approval related to this Special Use Permit is the responsibility of the applicant, his/her successor in interest, and all owners, assignees, and occupants of the property and their successors in interest. Failure to comply with any of the conditions imposed in the approval of the Special Use Permit may result in the institution of revocation procedures.

Washoe County reserves the right to review and revise the conditions of approval related to this Special Use Permit should it be determined that a subsequent license or permit issued by Washoe County violates the intent of this approval.

For the purpose of conditions imposed by Washoe County, "may" is permissive and "shall" or "must" is mandatory.

Conditions of Approval are usually complied with at different stages of the proposed project. Those stages are typically:

- Prior to permit issuance (i.e., grading permits, building permits, etc.).
- Prior to obtaining a final inspection and/or a certificate of occupancy.
- Prior to the issuance of a business license or other permits/licenses.
- Some "Conditions of Approval" are referred to as "Operational Conditions." These conditions must be continually complied with for the life of the project or business.

FOLLOWING ARE CONDITIONS OF APPROVAL REQUIRED BY THE REVIEWING AGENCIES. EACH CONDITION MUST BE MET TO THE SATISFACTION OF THE ISSUING AGENCY.

Washoe County Planning and Building Division

1. The following conditions are requirements of Planning and Building, which shall be responsible for determining compliance with these conditions.

Contact Name – Roger Pelham, (775) 328-3622, rpelham@washoecounty.us

- a. The applicant shall attach a copy of the Action Order approving this project to all administrative permit applications (including building permits) applied for as part of this special use permit.
- b. The applicant shall demonstrate substantial conformance to the plans approved as part of this special use permit. The Planning and Building Division shall determine compliance with this condition.
- c. The applicant shall submit complete construction plans for the project, to Washoe County, on or before June 6, 2021. The applicant shall submit all required corrections to those plans and building permits must be issued by Washoe County on or before June 6, 2022. Failure to submit appropriate plans, and to have complete construction plans issued by Washoe County, within the times listed in this condition shall render this approval null and void. Compliance with this condition shall be determined by the Director of Planning and Building.
- d. Construction drawings and grading plans shall include revegetation plans for all disturbed areas. Revegetation plans and specifications shall be prepared by a landscape architect, registered in the State of Nevada. Revegetation efforts shall be repeated each year, until all disturbed areas are consistent with adjacent, undisturbed, areas.
- e. A note shall be placed on all construction drawings and grading plans stating:

NOTE

Should any cairn or grave of a Native American be discovered during site development, work shall temporarily be halted at the specific site and the Sheriff's Office as well as the State Historic Preservation Office of the Department of Conservation and Natural Resources shall be immediately notified per NRS 383.170.

- f. The following **Operational Conditions** shall be required for the life of the project:
 - i. Failure to comply with all conditions of approval shall render this approval null and void. Compliance with this condition shall be determined by Planning and Building.

Washoe County Engineering and Capital Projects

2. The following conditions are requirements of the Engineering Division, which shall be responsible for determining compliance with these conditions.

Contact Name – Leo Vesely, (775) 328-2041, lvesely@washoecounty.us

- a. A complete set of construction improvement drawings, including an on-site grading plan, shall be submitted when applying for a building/grading permit. Grading shall comply with best management practices (BMP's) and shall include detailed plans for grading, site drainage, erosion control (including BMP locations and installation details), slope stabilization, and mosquito abatement. Placement or removal of any excavated materials shall be indicated on the grading plan. Silts shall be controlled on-site and not allowed onto adjacent property.
- b. The applicant shall provide documentation of easements for the lease area, access and utilities. A copy of the easements shall be submitted to the Engineering Division prior to the approval of a building permit.
- c. All existing and proposed easements shall be shown on the site and/or grading plan. The County Engineer shall determine compliance with this condition.

Truckee Meadows Fire Protection District

3. The following conditions are requirements of the Truckee Meadows Fire Protection District, which shall be responsible for determining compliance with these conditions. Unless otherwise stated, these conditions shall be met prior to the issuance of any building or grading permit or on an ongoing basis as determined by TMFPD.

Contact Name – Don Coon, 775.326.6077, Dcoon@tmfpd.us

a. Fire protection of the new structures shall be as required by the current adopted International Fire Code, (*IFC*) International Wildland Urban Interface Code (*IWUIC*) 2012 Ed, with amendments and the requirements of the NFPA standard(s). (<u>https://codes.iccsafe.org/content/IWUIC2012</u> https://codes.iccsafe.org/content/IFC2012)

The following conditions are notes provided to the applicant by the Truckee Meadows Fire Protection District:

The Fire Hazard designation for your project is available on the provided Washoe Regional Mapping System link. (<u>https://gis.washoecounty.us/wrms/firehazard</u>) After you have found your property using the address search feature, the color of the background area will indicate your wildland fire risk.

When you have determined your Fire Risk Rating use the link provided, to determine the *IWUIC* construction and defensible space requirements. (https://www.washoecounty.us/building/Files/Files/2012%20WUI%20CODE%20GUIDE_rev%20 11-25-13.pdf)

U.S. Fish and Wildlife Service | Reno Fish & Wildlife Office

4. The following conditions are requirements of the U.S. Fish and Wildlife Service, Reno Fish & Wildlife Office, which shall be responsible for determining compliance with these conditions.

Contact Name – Tara L. Vogel, 775.861.6301, tara_vogel@fws.gov

- Periodically inspect the install and facility for any raven nests since it is within sagegrouse habitat. If Raven nest(s) identified, please contact the Nevada Department of Wildlife to discuss management options;
- b. When accessing the facility, if there is road kill, please discard appropriately to detour raven attractants;
- c. Conduct weed abatement measures such as noxious and invasive weeds removal as a result of the project such as the along the access road and facility location.

*** End of Conditions ***

From: Wines-Jennings, Tammy L To: Pelham, Roger; Parker, Jacob Emerson, Kathy; Stark, Katherine; Emerson, Kathy; Schull, Shyanne Cc: Subject: RE: April Agency Review Memo II Date: Monday, April 22, 2019 11:30:41 AM Attachments: image001.png image002.png image003.png image004.png image005.png

From the WCRAS perspective, we do not see any concerns for either of these. Thanks,

Tammy Jennings

From: Stark, Katherine

Sent: Thursday, April 18, 2019 3:41 PM
To: Schull, Shyanne <SSchull@washoecounty.us>
Cc: Wines-Jennings, Tammy L <TWines-Jennings@washoecounty.us>; Stark, Katherine
<KRStark@washoecounty.us>; Emerson, Kathy <KEmerson@washoecounty.us>
Subject: April Agency Review Memo II

Good afternoon,

Please find the attached Agency Review Memo with cases received in April by Washoe County Community Services Department, Planning and Building.

You've been asked to review the applications for **Items 1 & 2**. The item descriptions and links to the applications are provided in the memo.

Please remember to send any agency review responses/comments directly to the Planner for the case, rather than replying to me.

Thank you!



Katy Stark Office Support Specialist, Planning and Building Division | Community Services Department <u>krstark@washoecounty.us</u> | Office: 775.328.3618 | Fax: 775.328.6133 1001 East Ninth Street, Bldg. A, Reno, NV 89512

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From: To: Subject: Date: Attachments:	Lawson. Jacqueline Pelham. Roger April Agency Review Memo II Friday, April 19, 2019 9:13:52 AM April Agency Review Memo II.pdf image001.png image002.png image003.png image004.png image005.png			
Good morning I	Roger,			
The EMS Program does not currently have any comments regarding the Special Use Permit Case Number WSUP19-0004 (Fox Mountain Monopole) included in April Application Review Memo II. Please contact me if you have any questions.				
Thank you				
Jackie				

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WASHOE COUNTY COMMUNITY SERVICES DEPARTMENT Engineering and Capital Projects

1001 EAST 9TH STREET RENO, NEVADA 89512 PHONE (775) 328-3600 FAX (775) 328.3699

Date: May 3, 2019

- To: Roger Pelham, Senior Planner
- From: Leo Vesely, P.E., Licensed Engineer
- Re: Special Use Permit Case WSUP19-0004 Fox Mountain Monopole APN 066-080-33

GENERAL PROJECT DISCUSSION

Washoe County Engineering staff has reviewed the above referenced application. The Special Use Permit is for the construction of a 150 foot high monopole on the site. The Engineering and Capital Projects Division recommends approval with the following comments and conditions of approval which supplement applicable County Code and are based upon our review of the site and the application prepared by the Rubicon Design Group. The County Engineer shall determine compliance with the following conditions of approval.

For questions related to sections below, please see the contact name provided.

GENERAL CONDITIONS

Contact Information: Leo Vesely, P.E. (775) 328-2041

- A complete set of construction improvement drawings, including an on-site grading plan, shall be submitted when applying for a building/grading permit. Grading shall comply with best management practices (BMP's) and shall include detailed plans for grading, site drainage, erosion control (including BMP locations and installation details), slope stabilization, and mosquito abatement. Placement or removal of any excavated materials shall be indicated on the grading plan. Silts shall be controlled on-site and not allowed onto adjacent property.
- The applicant shall provide documentation of easements for the lease area, access and utilities. A copy of the easements shall be submitted to the Engineering Division prior to the approval of a building permit.
- All existing and proposed easements shall be shown on the site and/or grading plan. The County Engineer shall determine compliance with this condition.



WWW.WASHOECOUNTY.US

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Subject: WSUP19-0004 – Fox Mountain Monopole Date: May 3, 2019 Page: 2

DRAINAGE (COUNTY CODE 110.416, 110.420, and 110.421) Contact Information: Walt West, P.E. (775) 328-2310

1. No comments.

TRAFFIC AND ROADWAY (COUNTY CODE 110.436) Contact Information: Mitch Fink, (775) 328-2050

1. No comments.

UTILITIES (County Code 422 & Sewer Ordinance) Contact Information: Tim Simpson, P.E. (775) 954-4648

1. No comments

From: To: Subject: Date: Attachments:	Gil. Donald Pelham, Roger FW: April Agency Review Memo II Wednesday, April 24, 2019 12:53:40 PM April Agency Review Memo II.pdf image001.png image002.png image004.png image005.png
Roger,	
The Washoe C #2).	ounty Sheriff's Office Patrol Division has no issues or concerns with this project (Item
Thank you,	
Don	

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1861	WASHOE COUNTY COMMUNITY SERVICES INTEGRITY COMMUNICATION SERVICE	P.O. Box 11130 Reno, Nevada 89520-0027 Phone: (775) 328-3600 Fax: (775) 328-369 9			
April 26, 201	9				
TO:	Roger Pelham, Senior Planner, CSD, Planning & Develo	opment Division			
FROM:	Vahid Behmaram, Water Management Planner Coordina	ator, CSD			
SUBJECT:	Special Use Permit Case Number WSUP19-0004 (Fox Mountain Monopole)				
Project desc	ription:				
facility consi	t is proposing to approve the construction and operation of sting of a 150-foot-high monopole structure, solar arrays, o rator room, and three (3) propane tanks within an irregular evada.	outdoor shelter with an			
	nity Services Department (CSD) recommends approval o ater Rights conditions:	f this project with the			
There are no	conditions of approval.				

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From:	Coon, Don
To:	Pelham, Roger
Cc	Coon, Don
Subject:	WSUP19-0004
🖂 Message	WSUP19-0004 RP.DOCX (19 KB)
Thanks	
Don Coon,	
	ntion Specialist II
	leadows Fire Protection District
1001 E. 9 th	
Reno, NV.	
775-326-60	
775-360-83	
dcoon@tn	nfpd.us
TRUCKE	E COUNTY, NV

WSUP19-0004

Truckee Meadows Fire Protection District (TMFPD)

- The following conditions are requirements of the Truckee Meadows Fire Protection District, which shall be responsible for determining compliance with these conditions. Unless otherwise stated, these conditions shall be met prior to the issuance of any building or grading permit or on an ongoing basis as determined by TMFPD.
 Contact Name – Don Coon, 775.326.6077, Docom@tmfpd.us
 - a. Fire protection of the new structures shall be as required by the current adopted International Fire Code, (*IFC*) International Wildland Urban Interface Code (*IWUIC*) 2012 Ed, with amendments and the requirements of the NFPA standard(s). (<u>https://codes.iccsafe.org/content/IWUIC2012</u> <u>https://codes.iccsafe.org/content/IFC2012</u>)
 - b. The Fire Hazard designation for your project is available on the provided Washoe Regional Mapping System link. (<u>https://gis.washoecounty.us/wrms/firehazard</u>) After you have found your property using the address search feature, the color of the background area will indicate your wildland fire risk.
 - c. When you have determined your Fire Risk Rating use the link provided, to determine the *IWUIC* construction and defensible space requirements.
 (<u>https://www.washoecounty.us/building/Files/Files/2012%20WUI%20CODE%20GUID</u> <u>E_rev%2011-25-13.pdf</u>)
 - d. Provide a Vegetation selection, installation, management and Defensible Space Plan as required for the project in accordance with the requirements of the *IWUIC*.

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MEMORANDUM



WASHOE COUNTY REGIONAL PARKS AND OPEN SPACE

PLANNING DIVISION

TO: Roger Pelham, Senior Planner

FROM: Sophia Kirschenman, Park Planner

DATE: May 8, 2019

SUBJECT: Special Use Permit Case Number WSUP19-0004 (Fox Mountain Monopole)

Washoe County Regional Parks and Open Space has reviewed and prepared the following comments related to Special Use Permit Case Number WSUP19-0004:

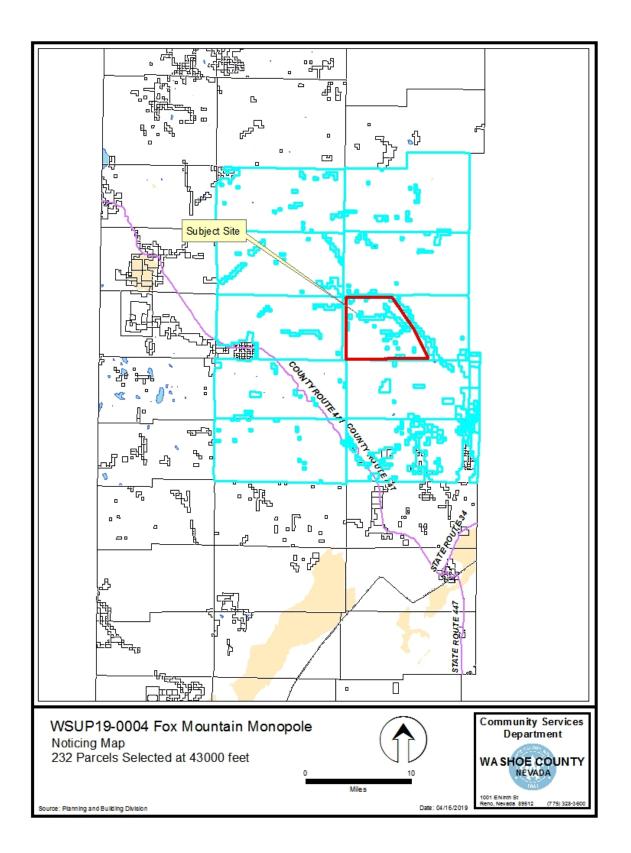
The proposed monopole would be located in the area of Fox Mountain, Nevada and new development must conform to the policies included in the High Desert Area Plan. Due to the rural location of the proposed development, no parks or recreational amenities are proposed nearby. Staff notes that the applicant is requesting a variance to waive the traditional landscaping requirement due to the remote location of the subject parcel and lack of visibility to the general public. While those are important considerations, Washoe County Parks and Open Space would like to reiterate that landscaping requirements also serve to reduce heat, erosion, dust, and pollutants by increasing vegetation and to ensure that disturbed areas do not be come populated with noxious weeds and invasive species. While irrigated landscaping may not be feasible in this location, Washoe County Parks and Open Space recommends that the applicant still be required to revegetate at least 20% of the total developed land area, utilizing hydroseeding or another strategy that does not require temporary irrigation. Hydroseed applications should occur in November or December and if the appropriate vegetative coverage requirements are not realized, further hydroseeding should be required.

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From:	Vogel, Tara <tara_vogel@fws.gov></tara_vogel@fws.gov>
To:	Pelham, Roger
Cc	Justin Barrett
Subject:	Commnet Wireless application review recommendations
[NOTICE:	This message originated outside of Washoe County - DO NOT CLICK on links or open attachments unless you are sure the content is safe.]
Hi Roger	
The Reno	Fish and Wildlife Office reviewed the Commnet Wireless application and supplemental documents for the installation of the 150 ft. monopole on Fox Mt. in Washoe Co. We have the following recommendations:
1. Periodi	ically inspect the install and facility for any raven nests since it is within sage-grouse habitat. If Raven nest(s) identified, please contact the Nevada Department of Wildlife to discuss management options;
2. When	accessing the facility, if there is road kill, please discard appropriately to detour raven attractants;
3. Condu	ict weed abatement measures such as noxious and invasive weeds removal as a result of the project such as the along the access road and facility location.
Thank yo	u for the opportunity to provide feedback. Please let us know if you have any questions, or need anything further.
Sincerely, Tara	
Tara L. V	Vogel
Fish and	l Wildlife Biologist
U.S. Fisł	n and Wildlife Service Reno Fish & Wildlife Office
1340 Fir	nancial Blvd., Suite 234 Reno, Nevada 89502
Office: 77	5.861.6394
Fax: 775	.861.6301

Email: <u>tara_vogel@fws.gov</u>

Page **8** of **8**





Niginal WSUP 19-0004

April 10, 2019

Washoe County Planning and Development Division 1001 E. Ninth Street Reno, NV 89512 Attn: Jacob Parker

RE: Application for Special Use Permit and Director's Modification – Fox Mountain, NV 10140A Fox Mountain Road, Gerlach, NV 89412

Please find attached a Special Use Permit and Director's Modification submittal applications for a new Commnet Wireless telecommunications facility located at the above referenced location. The submittal contains the following documents.

This application is for the April 15, 2109 submittal.

- 1. Filing Fee Check
- 2. Development Application
- 3. Owner's Affidavit
- 4. Project Support Statement
- 5. Director's Modification Application and Memorandum
- 5. Site Plans (Note pages A-4.0 through A-4.3 were removed from the site plans as they are not relevant
- to zoning and they contain proprietary information).
- 6. Photosimulations
- 7. Coverage Maps
- 8. Radio Frequency Statement
- 9. Treasurer Statement
- 10. Site Photos
- 11. Recorded Easement Agreement with private land owners for site access
- 12. Flash Drive containing Application materials

If you have any questions or need additional materials, I can be reached at (314) 640-5182.

Sincerely, Julie Krekeler

General Manager

Attachments

749 Old Ballas Road, Creve Coeur, MO 63141 / (314) 569-2275 www.ciscomm.com



April 10, 2019

Washoe County Planning and Development Division 1001 E. Ninth Street Reno, NV 89512 Attn: Jacob Parker

RE: Application for Special Use Permit and Director's Modification – Fox Mountain, NV 10140A Fox Mountain Road, Gerlach, NV 89412

On behalf of Commnet of Nevada, LLC (dba Commnet Wireless), I am submitting a Special Use Permit and Director's Modification submittal application for a new telecommunications facility located at the above referenced location on April 10, 2109 prior to the April 15 submittal date. Please accept this waiver for the submittal time frames and the 3 day completeness check.

If you have any questions or need additional materials, I can be reached at (314) 640-5182.

Sincerely,

Julie Krekeler

General Manager

Attachments

Memorandum

To: Washoe County, NV

CC: Commnet of Nevada, LLC

From: Julie M. Hall, Senior RF Engineer, Centerline Solutions

Date: 03/27/19

Re: RF Emissions Analysis of Proposed Facility-Fox Mountain, NV

Commnet of Nevada is proposing to install a wireless telecommunications facility at Fox Mountain, NV, in Washoe County, at the following coordinates: 41° 1' 31.25" N, 119° 33' 30.09" W. The proposed installation was evaluated for RF Emissions compliance. The computations, analysis, and conclusions were based on applicable FCC guidelines and regulations for maximum permissible exposure to humans consistent with FCC OET Bulletin 65. At the time of installation, this facility will be transmitting at less than 2% of the applicable RF Emissions limits, thus the facility will be in compliance with applicable FCC regulations for RF Emissions. In addition, the analysis was completed with both existing capacity and future capacity, to insure compliance as the site grows in capacity.

Re-evaluation of the site for compliance would happen if other carriers locate at the facility, if the site grows beyond the capacity that the initial evaluation was completed for, or antennas at the site are changed or added to.

I certify that the analysis is correct to the best of my knowledge, and all calculations, assumptions and conclusions are based on generally acceptable engineering practices.

Julie M. Hall

Julie M. Hall Senior <u>RF Engineer</u> Centerline Solutions

1

Property Owner Affidavit

Applicant Name: Committed Nevada, LLC

The receipt of this application at the time of submittal does not guarantee the application complies with all requirements of the Washoe County Development Code, the Washoe County Master Plan or the applicable area plan, the applicable regulatory zoning, or that the application is deemed complete and will be processed.

STATE OF NEVADA

AKe

(please print name)

being duly sworn, depose and say that I am the owner* of the property or properties involved in this application as listed below and that the foregoing statements and answers herein contained and the information herewith submitted are in all respects complete, true, and correct to the best of my knowledge and belief. I understand that no assurance or guarantee can be given by members of Planning and Building.

(A separate Affidavit must be provided by each property owner named in the title report.)

Assessor Parcel Number(s): 066-080-33

Printed Name

(Notary Stamp)

Subscribed and sworn to before me this

Notary Public in and for said county and state

My commission expires:_

day of _

*Owner refers to the following: (Please mark appropriate box.)

- Owner
- Corporate Officer/Partner (Provide copy of record document indicating authority to sign.)
- Dever of Attorney (Provide copy of Power of Attorney.)
- Owner Agent (Provide notarized letter from property owner giving legal authority to agent.)
- Property Agent (Provide copy of record document indicating authority to sign.)
- Letter from Government Agency with Stewardship

December 2018

See Attached Document (Notary to cross ou See Statement Below (Lines 1–6 to be comp	ut lines 1–6 below) pleted only by document signer[s], <i>not</i> Notary)
Signature of Document Signer No. 1	Signature of Document Signer No. 2 (if any)
L. L. GALVIN Notary Public - California Modoc County Commission # 2268119	Subscribed and sworn to (or affirmed) before m on this <u>4</u> th day of <u>April</u> , 20 <u>19</u> by <u>Date</u> Month <u>Yea</u> (1) <u>Craig</u> <u>R. Drake</u> (an d (2) Name(s) of Signer(s)
My Comm. Expires Dec 19, 2022	proved to me on the basis of satisfactory evidence
	Signature B. B. Hal
	RRH O.
Seal Place Notary Seal Above	Signature Signature of Notary Public
Place Notary Seal Above Though this section is optional, completing t fraudulent reattachment of	- / - / - / -
Place Notary Seal Above Though this section is optional, completing t fraudulent reattachment of escription of Attached Document	Signature Signature of Notary Public Signature of Notary Public

Community Services Department Planning and Building DIRECTOR'S MODIFICATION OF PARKING/LANDSCAPING MINOR DEVIATION STANDARDS APPLICATION



Community Services Department Planning and Building 1001 E. Ninth St., Bldg. A Reno, NV 89512-2845

Telephone: 775.328.6100

Washoe County Development Application

Your entire application is a public record. If you have a concern about releasing personal information, please contact Planning and Building staff at 775.328.6100.

Project Information	S	Staff Assigned Case No.:				
Project Name: Commnet Wireless, Fox Mountain, NV						
Project Commnet Wireless proposed the construction of a new unmanned wireless communication facility serving Fox Mountain						
Project Address: Washoe Coun	ity 911 Assigned addre	ss: 10140 A Fox Mountain Road,	Gerlach, NV 89412			
Project Area (acres or square fe	eet): 1,459 sf for tower a	and ground space and approx 500 s	of for propane tanks			
Project Location (with point of re	eference to major cross	streets AND area locator):				
From intersection of County Road 447,	turn right onto Old Camp F	Road, then turn left to stay on Old Camp	Road/Rox Mountain Road			
Assessor's Parcel No.(s):	Parcel Acreage:	Assessor's Parcel No.(s):	Parcel Acreage:			
066-080-33	23,299.211 acres					
Indicate any previous Wash Case No.(s). NA	oe County approval	s associated with this applica	tion:			
Applicant Inf	f ormation (attach	additional sheets if neces	sary)			
Property Owner:		Professional Consultant:				
Name: United States of Americ	a - BLM	Name: CIS Communications, L	LC			
Address: 2550 Riverside Drive		Address: 749 Old Ballas Road				
Susanville, CA	Zip: 96130	Creve Coeur, MO	Zip: 63141			
Phone: (530) 252-5321	Fax:	Phone: (314) 569-2275	Fax:			
Email: dryan@blm.gov		Email:julie@ciscomm.com				
Cell: (530) 252-5321	Other:	Cell: (314) 640-5182	Other:			
Contact Person: Daniel Ryan -	Realty Specialist	Contact Person: Julie Krekeler - General Manager				
Applicant/Developer:		Other Persons to be Contacted:				
Name: Commnet of Nevada, LLC (dba Commnet Wireless)	Name:				
Address: 1562 North Park Stree	et	Address:				
Castle Rock, CO	Zip: 80109		Zip:			
Phone: (720) 733-7854	Fax:	Phone:	Fax:			
Email: cphillips@atni.com		Email:				
Cell: (720) 733-7854	Other:	Cell:	Other:			
Contact Person: Cindy Phillips - Dire	ctor of Real Estate/Regulatory	Contact Person:				
	For Office	Use Only				
Date Received:	Initial:	Planning Area:				
County Commission District:		Master Plan Designation(s):				
CAB(s):		Regulatory Zoning(s):				

Director's Modification of Standards Supplemental Information

(All required information may be separately attached)

1. What modification or deviation are you requesting? Be specific.

Parking Standards - Article 110.410.00 Landscaping Standards - Article 110.412.00 Noise and Lighting Standards - Section 110.414.00 Noise and Lighting Minor Deviation Standards - Section 110.804.35

2. Why is the modification or deviation necessary to the success of the project/development? <u>Be</u> <u>specific.</u> Are there any extenuating circumstances or physical conditions on the proposed project/development site?

Please refer to the attached Director's Memorandum for explanation

3. Are you proposing to mitigate the effect of the modification or reduction?

Please refer to the attched Director's Memorandum for explanation

4. What section of code are you requesting to modify or deviate? **Be specific.** List the code section and if there are specific requirements for the modification, provide detailed information. For deviation, provide the percentage of the deviation.

Parking Standards - Whole Section Landscaping Standards - Whole Section Noise and Lighting Standards - Whole Section Minor Deviation Standards - maximum standards allowed as stated by Washoe County Planning Department

5. For Minor Deviation request; list what properties/parcels are affected by the deviation? Explain if there will be any impacts to the affected neighboring properties. (At a minimum, affected property owners are those owners of parcels that immediately abut the location of the proposed minor deviation.)

Please refer to the attached Director's Memoranum for list of adjoining parcels and impact explanation.

MEMORANDUM

To: Washoe County

CC: Commnet of Nevada, LLC (Commnet Wireless)

From: Julie Krekeler, Site Acquisition, CIS Communications, LLC

Date: April 10, 2019

Re: DIRECTOR'S MODIFICATION REQUEST CLARIFICATION – Special Use Permit - APN: 066-080-33 (Fox Mountain, NV)

Dear Washoe County,

The subject application is for a Special Use Permit for the construction of a telecommunications facility consisting of a 150' monopole, solar arrays, outdoor shelter with an interior generator room, and three (3) propane tanks within an irregular lease area situated at Fox Mountain, Nevada. The parcel is located on property owned by the United Stated of America and is managed by the Bureau of Land Management. The parcel consists of 23,299.211 acres.

Upon review of Washoe County's Development Code Section 110, Commnet Wireless is hereby requesting certain specific conditions to be considered for Director's Modification due to the following.

<u>Article 110.410.00 Parking</u> –Commnet Wireless would like to modify Section 110.410.00 to allow for the request to waive the whole section of parking. Due to the unusual nature of the establishment and the remote rural location of this proposed unmanned facility that will be visited by a cell tech once or twice a month, the standards set form in this section such as parking design and access width would be excessive and unreasonable for Commnet Wireless. Furthermore, the proposed facility is at an established communications site where there is an existing access road. The proposed facility is not for the general public access and there is ample space for the technician to park at the lease area.

<u>Article 110.412.00 Landscaping -</u> Commet Wireless would like to modify Section 110.412.00 to allow for the request to waive the whole section of landscaping. The subject site is located in a remote area. In addition to being remote, the site is located over nine miles from Highway 447 and the adjoining parcel is also owned by the United States of America, where there will be minimal visibility. Because this remote location is an unmanned facility, Commnet Wireless' policy is to avoid any landscaping to conserve water as well as the need for routine landscape maintenance. Additionally, because of the vast size of the parcel (23,299 acres), it is unreasonable for Commnet Wireless to meet Washoe County's requirement of landscape coverage of a minimum twenty (20) percent of the total developed land area as well as landscaped buffers at least one (1) tree every twenty (20) linear feet of property frontage as outlined in Sections 110.412.40 (a) and (c). This location has a natural barrier of trees surrounding the mountain top.

<u>Section 110.414.00 Noise and Lighting -</u> Commnet Wireless would like to modify the Section 110.414.00 to allow for the request to waive the entire section of Noise and Lighting. The site will be powered by solar arrays/batteries along with a generator. The generator will be situated inside the shelter and any noise would be at a minimum. First Net responder equipment is proposed at this site. Per Section 110.414.20 (b) emergency equipment is exempt from this section.

Unless lighting is required by the FAA, no lighting is proposed at the unmanned facility. Commnet proposes Washoe County's current best practice of "dark-sky" standards and Commnet will conserve any solar power usage for powering the site. There will be lighting inside the shelter that is turned on only during a technician's site visit.

<u>Section 110.804.35 Minor Deviations –</u> Commnet Wireless is proposing a 150' monople and is seeking approval for the height deviation per table 110.324.55.1 . As stated, this site is located in a remote area where there is currently limited to no cellular service. This site will include First Net responder emergency equipment as well as future users and due to the diverse topography and the remoteness of the area, the height is needed to overcome that terrain to obtain optimal coverage when connecting to their other sites that are part of the network design.

The following is a list of parcels that abut the subject property parcel. The closest parcel to the proposed facility is parcel # 066-060-26, which is at a distance of ~120 feet, and is owned by the United States. Parcels indicated below with an asterisk are private landowners. All other parcel numbers belong to the United States. There does not appear to be a residence within the adjoining parcels. The impact this proposed facility will have is a communication source that is vital to today's safety and quality of life within rural Nevada.

	066	060	26	*	066	030	48
*	066	80	1		066	030	34
	066	100	19	*	066	080	21
	066	110	15	*	066	080	22
	066	080	12	*	066	080	25
	066	080	37	*	066	080	24
	066	080	39		066	080	46
	066	080	38		066	080	42
*	066	080	16		066	080	41
	066	080	47		066	080	44
	066	080	15	*	066	080	40
	066	080	48		066	080	4
*	066	020	17				

Community Services Department

Planning and Building

SPECIAL USE PERMIT (see page 7)

SPECIAL USE PERMIT FOR GRADING (see page 9)

SPECIAL USE PERMIT FOR STABLES (see page 12)

APPLICATION



Community Services Department Planning and Building 1001 E. Ninth St., Bldg. A Reno, NV 89512-2845

Telephone: 775.328.6100

Washoe County Development Application

Your entire application is a public record. If you have a concern about releasing personal information, please contact Planning and Building staff at 775.328.6100.

Project Information	S	Staff Assigned Case No.:		
Project Name: Commn	et Wireless	- Fox Mountain,	NV	
Project Commnet Wireless proposes the construction of a new unmanned wireless Description: communication facility serving the Fox Mountain				
Project Address: Washoe Count	y E911 Assigned addre	ss: 10140 A Fox Mountain Road, G	erlach, NV 89412	
Project Area (acres or square fee	et): 1,459 sf for tower a	nd ground space and approx 500 sf	for propane tanks	
Project Location (with point of re	ference to major cross	streets AND area locator):		
From intersection of County Road 447, turn	n right onto Old Camp Cany	on Road, then turn left to stay on Old Camp	Road/Fox Mountain Road	
Assessor's Parcel No.(s):	Parcel Acreage:	Assessor's Parcel No.(s):	Parcel Acreage:	
066-080-33	23,299.211 Acre			
	e County approval	s associated with this applica	tion:	
Case No.(s). NA Applicant Inf	ormation (attach	additional sheets if necess	sarv)	
Property Owner:		Professional Consultant:		
Name: United States of America	- BLM	Name: CIS Communications, LLC		
Address: 2550 Riverside Drive		Address: 749 Old Ballas Road		
Susanville, CA	Zip: 96130	Creve Coeur, MO	Zip: 63141	
	Fax:	Phone: (314) 569-2275	Fax:	
Email: dryan@blm.gov		Email: julie@ciscomm.com		
Cell: (530) 252-5321	Other:	Cell: (314) 640-5182	Other:	
Contact Person: Daniel Ryan - F	Realty Specialist	Contact Person: Julie Krekeler - General Manager		
Applicant/Developer:	<u> </u>	Other Persons to be Contac	ted:	
Name: Commnet of Nevada, LLC (dba Commnet Wireless)	Name:		
Address: 1562 North Park Street		Address:		
Castle Rock, CO	Zip: 80109		Zip:	
Phone: (720) 733-7854	Fax:	Phone:	Fax:	
Email: cphillips@atni.com		Email:		
Cell: (720) 733-7854	Other:	Cell:	Other:	
Contact Person: Cindy Phillips - Direc	tor of Real Estate/Regulatory	Contact Person:		
	For Office	Use Only		
Date Received:	Initial:	Planning Area:		
County Commission District:		Master Plan Designation(s):		
CAB(s):		Regulatory Zoning(s):		

Special Use Permit Application Supplemental Information

(All required information may be separately attached)

1. What is the project being requested?

Commnet Wireless' proposed installation of a new unmanned telecommunications facility consisting of a 150' monopole with antennas/dishes, equipment shelter, solar arrays and LP tanks.

2. Provide a site plan with all existing and proposed structures (e.g. new structures, roadway improvements, utilities, sanitation, water supply, drainage, parking, signs, etc.)

Refer to construction drawings attached.

3. What is the intended phasing schedule for the construction and completion of the project?

One phase - Construction would take between one and two months.

4. What physical characteristics of your location and/or premises are especially suited to deal with the impacts and the intensity of your proposed use?

Location is needed from an RF standpoint. Location is ideal from an impact standpoint as there is minimal to no visibility from any existing populated areas.

5. What are the anticipated beneficial aspects or affects your project will have on adjacent properties and the community?

Improved wireless coverage as well as wireless broadband coverage for the First Net emergency responders.

6. What are the anticipated negative impacts or affect your project will have on adjacent properties? How will you mitigate these impacts?

There are no negative impacts on adjacent properties or communities. Project is located in remote rural area.

7. Provide specific information on landscaping, parking, type of signs and lighting, and all other code requirements pertinent to the type of use being purposed. Show and indicate these requirements on submitted drawings with the application.

No landscaping, parking, or lighting proposed. All required signage to be attached to shelter door. Please refer to Project Support Statement for explanations.

8. Are there any restrictive covenants, recorded conditions, or deed restrictions (CC&Rs) that apply to the area subject to the special use permit request? (If so, please attach a copy.)

No No

9. Utilities:

a. Sewer Service	NA
b. Electrical Service	NA
c. Telephone Service	NA
d. LPG or Natural Gas Service	NA
e. Solid Waste Disposal Service	NA
f. Cable Television Service	NA
g. Water Service	NA

For most uses, Washoe County Code, Chapter 110, Article 422, Water and Sewer Resource Requirements, requires the dedication of water rights to Washoe County. Please indicate the type and quantity of water rights you have available should dedication be required.

h. Permit #	acre-feet per year	
i. Certificate #	acre-feet per year	
j. Surface Claim #	acre-feet per year	
k. Other #	acre-feet per year	

Title of those rights (as filed with the State Engineer in the Division of Water Resources of the Department of Conservation and Natural Resources).

Not applicable.

10. Community Services (provided and nearest facility):

a. Fire Station	Washoe Rural - Station T40
b. Health Care Facility	Nevada Health Center, Inc., Gerlach NV
c. Elementary School	Gerlach K-12
d. Middle School	Gerlach K-12
e. High School	Gerlach K-12
f. Parks	Gerlach Community Park
g. Library	Gerlach Community Library
h. Citifare Bus Stop	NA

COMMNET WIRELESS PROJECT SUPPORT STATEMENT

Project Name: Fox Mountain Project Address: 10140 A Fox Mountain Road Gerlach, NV 89412 Project APN: 066-080-33

Introduction

Commnet Wireless (Commnet) focuses on connecting rural America with affordable, carrier grade communications networks to improve safety and quality of life, and to promote economic development. The areas of focus are predominately small communities, state and national parks, seasonal areas, and the roadways that connect these areas to mainstream America. Commnet is seeking to improve cellular coverage within the Fox Mountain range as well as Highway 447 northwest of Gerlach for approximately 35 miles. In addition, this site is needed to cover Hwy 34, north of the site, for approximately 9 miles, as well as small roads reservoirs near the site. Furthermore, this site will be utilized for the FirstNet nationwide emergency broadband network dedicated to first responders.

Location

Commnet proposes the construction of a new wireless communications facility that consists of a 150' monopole located at Fox Mountain, Nevada. The property is zoned General Rural (GR) and is owned by the United States of America and is managed by the Bureau of Land Management. The adjacent parcels are also owned by the United States of America. The nearest residentially zoned property of medium density suburban residential development, is located mainly on the outskirts of the town of Gerlach, Nevada, which is approximately 28 miles away from the proposed facility.

Project Description/Design

Commnet will be adding (12) antennas, (9) RRU's, (2) surge suppressors, (2) Fiber lines, (3) DC power lines, (4) microwave dishes along with (8) ¹/₂" coax lines on the tower. An outdoor shelter with an interior generator room and solar arrays will be situated within an irregular shaped lease area of consisting of 1,459 square feet and ground space for (3) propane tanks consisting of 500 square feet surrounded with protective bollards. The propane tanks will be placed to the east of the facility and will meet all regulatory safety guidelines. Gas lines will be installed underground from the tank(s) point of connection to the point of termination at the shelter. This will be an unmanned facility providing cellular and First Net responders coverage 24 hours a day, 7 days a week.

Public and Safety Benefits of Improved Wireless Service

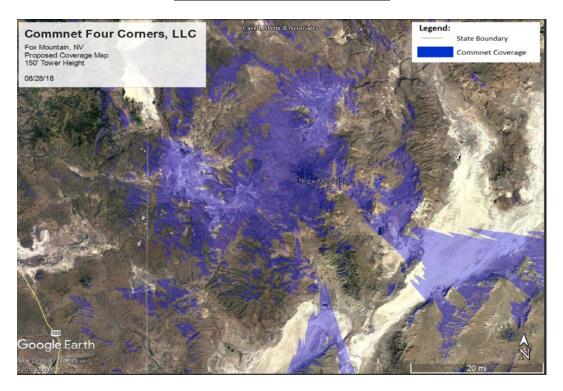
Today, more people are relying on wireless phones as their main form of communication; whether it be in their homes, businesses, and/or vehicles. This site will allow Commnet's customers to maintain cellular coverage as shown in the coverage map referenced below.

Additionally, this site is also being utilized for the FirstNet nationwide emergency broadband network dedicated to first responders (ie Fire, Police, EMT) for the ability to communicate on a single network for any public safety needs in this area.



Existing Coverage

Coverage with Proposed Tower



Aesthetic Impacts

Commnet proposes to install a 150' monopole which is similar to the existing structures at Fox Mountain. The proposed height was required due to the surrounding topography and meets the County's requirements for facilities in this zoning code. The facility will not have any negative impacts on this project or adjacent properties in the community as there is currently minimal visibility of the existing facilities from public roadways. The facility will be placed between two existing structures, and will be in line with the layout of the other structures.

Alternative Site Analysis

When searching for any new communication site location, Commnet's first goal is to try and secure space on an existing tower or tall structure at the height required. With this philosophy in mind, Commnet first evaluated the collocation opportunities in the search area that offered the height, ground space, access and utilities and other needs required for their system. It was determined there were three (3) individual tower sites at Fox Mountain. The possibility of using any of the existing towers was ruled out due to insufficient height, insufficient structural capacity, and an unresponsive/unwilling tower owner.



In order to meet the required coverage objective, Commet concluded that the construction of a new facility would be required. Commet and the BLM worked together to layout an approved location for the proposed facility.

Below is a detailed explanation of why each existing facility at Fox Mountain would not be a viable collocation candidate.

1. <u>Washoe County Tower at Fox Mountain (Option #1)</u> – Washoe County has a tower located on the north side of the proposed site that Commnet Wireless pursued as a potential collocation candidate; however, Washoe County was not allowing collocation for reasons of their land lease with BLM does not allow a non-governmental entity in their facility, lack of enough power to support a collocator as well as Washoe County had only enough tower structural capacity to accommodate their current equipment as well as their projected future equipment.

2. Los Angeles Department of Water and Power at Fox Mountain (Option #2) – Commet pursued this tower as a potential collocation candidate. Commnet Wireless left multiple detailed messages with the LADWP's realty department without receiving any responses.

3. <u>Bureau of Land Management at Fox Mountain (Option #3)</u> – The BLM has a small repeater tower on the north side of site that was neither tall enough nor structurally viable for collocation.

Statement of Commitment to Allow Collocation

In addition to Commnet's antenna loadings as proposed, this tower is also structurally designed to accommodate additional communication collocators.

Lighting and Signage

Unless required by the Federal Aviation Administration (FAA), no lighting is proposed at this facility. All required FCC and other regulatory notification signage will be attached to the shelter door.

Access/Utilities/Parking

Access to the facility is by way of Old Camp Canyon Road /Fox Mountain Road which is located off of County Road 447, approximately 31 miles northwest of Gerlach. No road improvements are planned as Commnet will utilize the existing gravel road. The facility will be powered by solar arrays/batteries along with a generator and propane tanks as back-up power supply. Parking is not proposed as this is an unmanned facility that will be visited by a cell tech once or twice a month. There is sufficient parking at the facility location.

Maintenance and equipment back-up power

The proposed wireless communications facility is located in a remote rural location. Because First Net responder emergency equipment will be located at this facility, it is imperative that the facility is operable in the event of a power outage or a natural disaster. In the event of an outage, the battery power will operate the system. If the power outage is for an extended period, and the batteries are no longer effective, the generator will automatically power the site. This multi-layer back-up system is important for communications sites to ensure continued operation. A cell technician will visit the site approximately once or twice a month to perform regular equipment maintenance.

Fencing

Commnet is not proposing fencing at this facility as currently, all other existing facilities do not have fencing. In lieu of fencing, Commnet's tower will be designed in accordance to OSHA safety regulations, which incorporate anti-climbing security measures.

Landscaping Variance

Commnet is not proposing landscaping at this facility and is seeking a variance to obtain relief from the landscaping requirements. The subject property is located in a remote rural location, has restricted access to water resources, and will have limited monthly technician visits. The site is located approximately 9 miles from the nearest public roadway and landscaping would not be visible to the general public. There is a natural landscape of trees at the mountain top that surrounds the existing facilities that acts as a buffer to public visibility. Commnet is requesting the Board of Adjustments to specifically waive landscaping requirements for the above stated reasons.

Grading

Not applicable. Grading is not anticipated for this project.

Significant Hydrological Resources

The subject site is located in the High Desert planning area. Per section Section 110.418.05 (e), the provisions of this article do not apply for development in the High Desert planning area.

Washoe County Treasurer Tammi Davis Washoe County Treasurer P.O. Box 30039, Reno, NV 89520-3039 ph: (775) 328-2510 fax: (775) 328-2500 Email: tax@washoecounty.us

Account Detail

\$0.00

\$0.00

\$0.00

\$0.00

\$0.00

2018

2017

2016

2015

2014

\$0.00

\$0.00

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			Disclaimer
Back to Account D	etail Change of Address	Print this Page	ALERTS: If your real
CollectionCart			property taxes are delinguent, the search
Collection C	Items Total Ch art ₀ \$0.00	eckout View	results displayed may not reflect the correct amount owing. Please contact our office for the current amount
Pay Online			due.
No payment due for this acco	punt.		 For your convenience, online payment is available on this site.
Washoe County Parcel Info	rmation		E-check payments are accepted without a fee
Parcel ID	Status	Last Update	However, a service
06608033	Active	3/20/2019 2:06 AM	:50 fee does apply for online credit card payments.
Current Owner: UNITED STATES OF AMERICA NONE RENO, NV 00000		OLD CAMP RD DE COUNTY NV	See Payment Information for details
Taxing District 9000	Geo CI):	Pay By Check
	Legal Description		Please make checks payable to: WASHOE COUNTY TREASURER
Township 36 Section Lot Block I		NSPECIFIED	Mailing Address: P.O. Box 30039 Reno, NV 89520-3039
Tax Bill (Click on desired ta	v uppe for due datas and fu	rthan dataila)	Overnight Address: 1001 E. Ninth St., Ste D140
	al Paid Penalty/Fees	Interest Balance Due	Reno, NV 89512-2845

\$0.00

\$0.00

\$0.00

\$0.00

\$0.00

Total

\$0.00

\$0.00

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\$0.00



0/24/2018 11:16:45 Requested By COMMNET WIRELESS INC Washoe County Recorder Lawrence R. Burtness - Recorder Fee: \$41.00 RPTT: \$0.00 Page 1 of 3



This instrument was prepared by and after recording return to: Commnet of Nevada, LLC 1562 Park Street Castle Rock, CO 80109 Attn: Cindy Phillips Ref: Fox Mountain, NV

MEMORANDUM OF EASEMENT AGREEMENT

29 THIS MEMORANDUM OF EASEMENT AGREEMENT ("Memorandum") is made this , 2018 ("Effective Date"), by and between Estill Ranches, LLC, with day of an address of 1875 Plumas Street, Suite 3, Reno, NV 89509 ("Grantor") and Commnet of Nevada, LLC, with an address of 1562 Park St., Castle Rock, CO 80109 ("Grantee").

Grantor and Grantee have entered into an Easement Agreement (the "Easement Agreement") which sets forth, among other things, the terms of an easement granted by Grantor to Grantee on, over, to, through, and across an existing road which is located on property owned and controlled by Grantor (the "Property") which Property is described on Exhibit A attached hereto and incorporated herein by this reference.

The term of the Easement, unless sooner terminated under provisions of the Easement Agreement, shall be perpetual, with the provisions regarding the Easement set forth in detail in the Easement Agreement.

This Memorandum of Easement is not intended to amend, modify, supplement, or supersede any of the provisions of the Easement Agreement and, to the extent there may be any conflict or inconsistency between the Easement Agreement. The provisions of and covenants contained in this Memorandum shall run with the land and shall bind and inure to the benefit of the Grantor and Grantee and their respective successors and assigns.

IN WITNESS WHEREOF, the parties have duly executed this Memorandum.

GRANTOR:

Estill Ranches, LLC, a Nevada limited liability company

Ву:	D	
Print Name:	John	Estill
Title:	Estill	Paces LLC
	man	aage

GRANTEE: Commnet of Nevada, LLC, a Delaware limited liability company

Mark Hansen Print Name:

V. P. Network Support

Title:

[ACKNOWLEDGEMENTS ARE ON THE FOLLOWING PAGE]

GRANTOR ACKNOWLEDGMENT

STATE OF Nevada COUNTY OF Washoe The foregoing instrument was acknowledged before me this 29th day of August by Tohn Sstill as the Manager __, 20<u>_18</u>, by John Sstill of Estill Ranches, LLC. WITNESS my hand and official seal. ESMERALDA ESTRADA Notary Public, State of Nevada Appointment No. 17-3014-2 Notary Public My Appt. Expires Aug 18, 2021 My Commission Expires: 18,2021 **GRANTEE ACKNOWLEDGMENT**

STATE OF COLUMIDO COUNTY OF DOULIAS The foregoing instrument was acknowledged before me this 16th day of October, 2018, NIGE as the 67

of Commnet of Nevada, LLC.

WITNESS my hand and official seal.

Notary Public

My Commission Expires:

SAMANTHA RAE BLACK NOTARY PUBLIC STATE OF COLORADO NOTARY ID 20184012966 MY COMMISSION EXPIRES MARCH 20, 2022

EXHIBIT A

Property Description

LEGAL DESCRIPTION

The land referred to herein is situated in the State of Nevada, County of Washoe, described as follows:

TOWNSHIP 36 NORTH, RANGE 21 EAST, M.D.B.M.

Section 19: South Half of the Northeast Quarter; Southeast Quarter of the Northwest Quarter

Section 20: North Half of the South Half

Section 21: Southwest Quarter of the Northwest Quarter

APN: 066-060-16, 17 and 18

đ

Commnet of Nevada, LLC

Existing Coverage Near Fox Mountain, NV

03/25/19

Legend:

State Boundary

Commnet Coverage

Fox Mountain

Google Earth

395

mage Landsat / Copernicus

Gerlach

Frog Pond

WSUP19-00

Commnet Four Corners, LLC

Fox Mountain, NV Proposed Coverage Map 150' Tower Height

08/28/18

Cavell, Mertz & Associates

Legend:

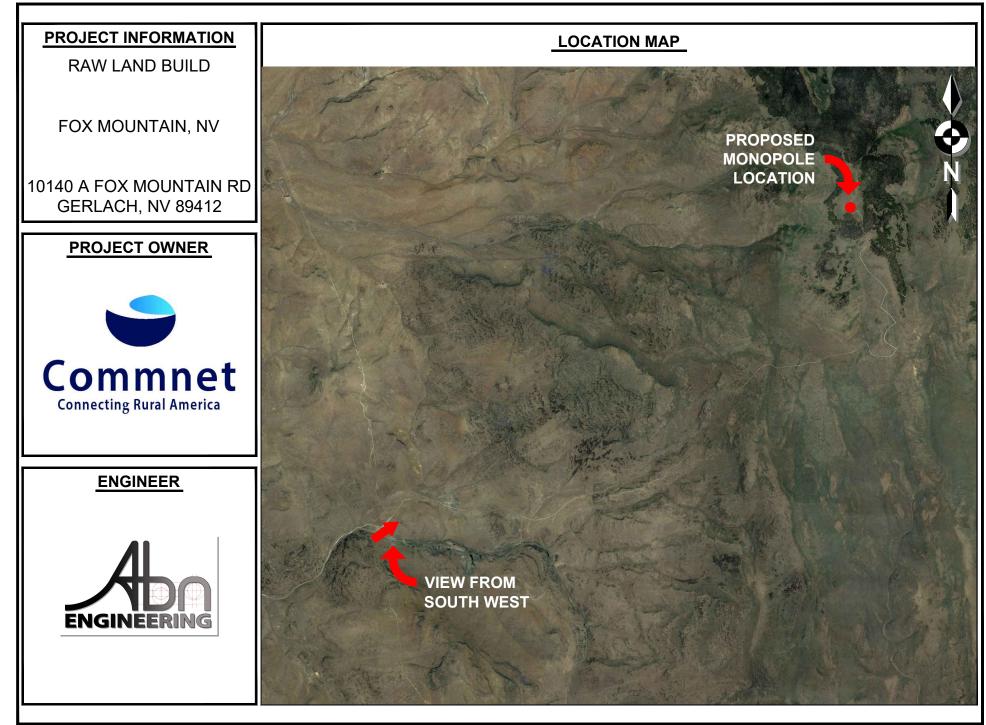
State Boundary

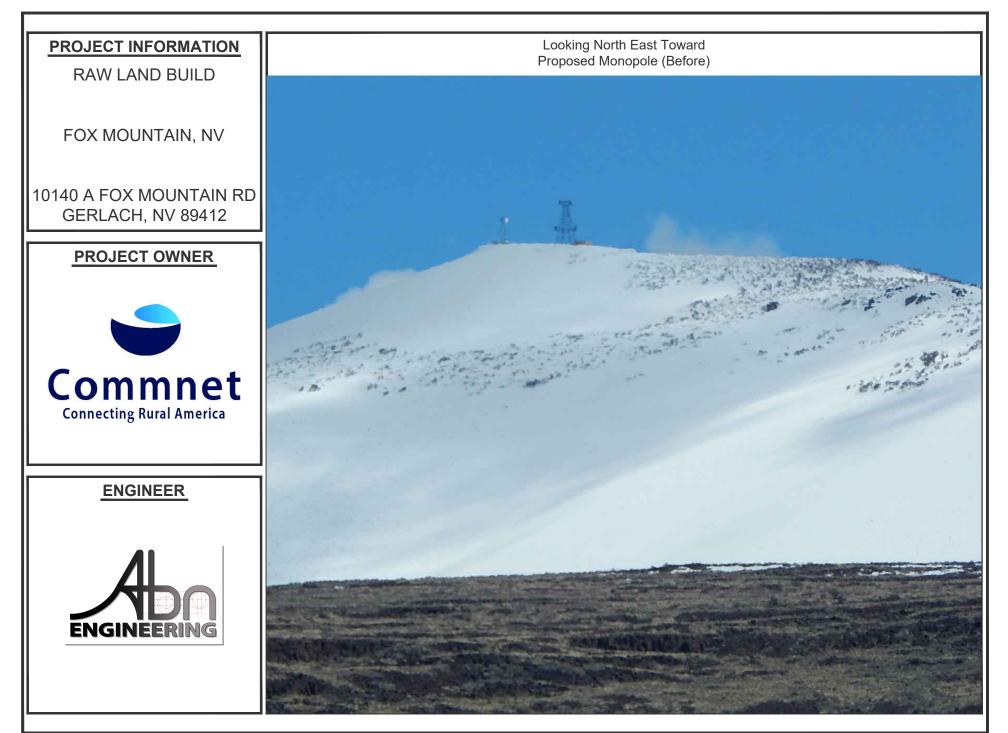
Commnet Coverage

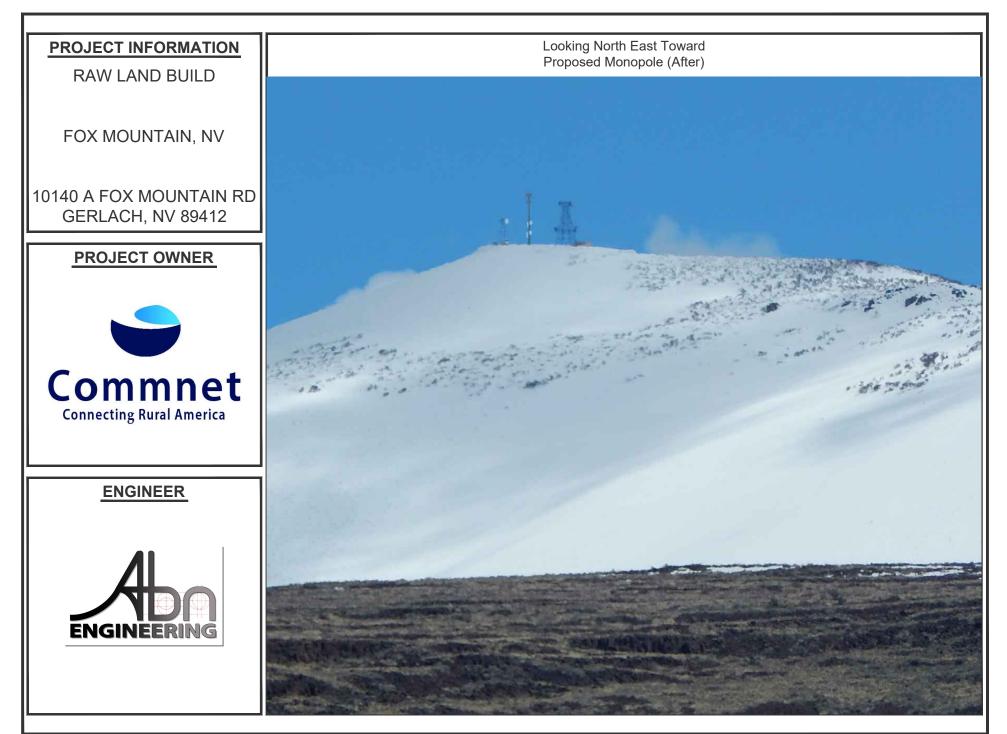
Fox Mountain

Boogle Earth

Image Landsat / Copernicus © 2018 Google WSUP19-000 20 mi EXHIBIT D







Fox Mountain, NV Photos

*Note that all photos may have not been attained due to exceptional conditions prohibiting travel to the site

Fox MT Tower Center Looking North



Fox MT South Looking North

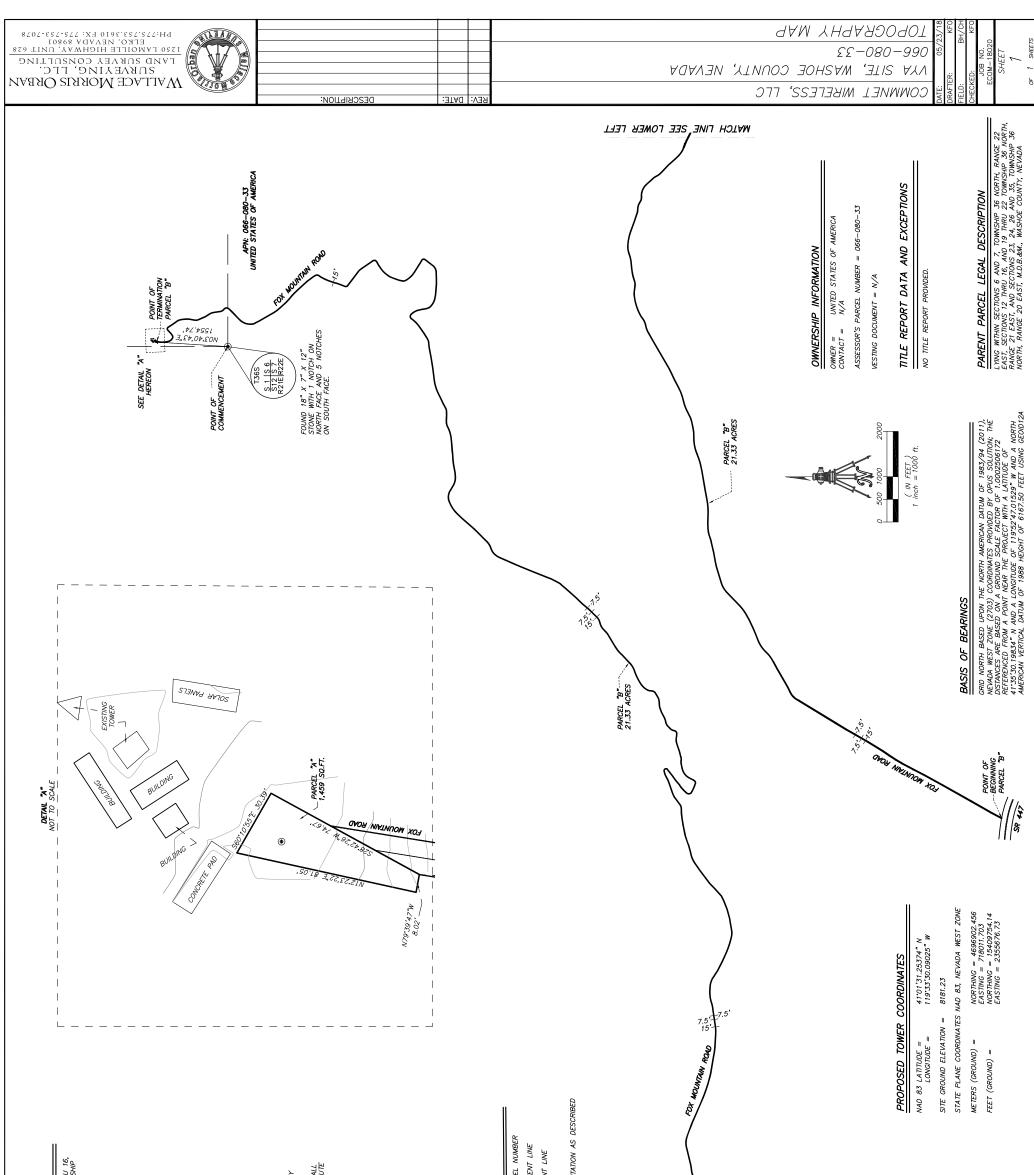


Fox Mt East Looking West



Fox MT Tower Center Looking South





	Connecting Rural America
Connecting Rural America	
	1337 E DESERT FLOWER LANE PHOENIX, AZ 85048 PHONE: (480) 213-8524
	PE SEAL
SHEET INDEX	A. MANE & G. MAN
TITLE: DESCRIPTION: T-1 TITE SHEFT & PROJECT INFORMATION	19064 S
-1 GENERAL NOTES	
SN-1 SILE SIGNALE DE LAILS A-1 OVERALL SITE PLAN	SIG
- 2.0	AD EE:
A-2.1 EQUIPMENT LAYOUT A-3 SITE ELEVATION & DETAILS	
COMMNET'S	DATE DI
	7/8/18 REVISED
FIRS	2/22/19 REVISED
A-5.2 ZIE CABINET & DETAILS A-6.0 CONSTRUCTION DETAILS	F 4/2/19 REVISED CD JN
CONSTRUCTION	THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY
-8 CONSTRUCTION DETAILS	NATURE. ANY USE OR UISCLUSURE OTHER THAN THAT WHICH RELATES TO COMMNET WIRELESS IS STRICTLY PROHIBITED.
	SITE NAME
	FOX MOUNTAIN NV
G-3 GROUNDING DETAILS S-1 STRUCTURAL NOTES	
-2 MASONRY DETAILS	PROJECT
-4 ROOF PLAN, BU	RAW LAND BUILD
0 N	
APPROVAL BOX	LONG: 119°33'30.09025"W 10140 A FOX MOUNTAIN ROAD GERLACH, NV 89412
DEPARTMENT: SIGNATURE: DATE:	
PROJECT MANAGER	SHEET TITLE
RF MANAGER	TITLE SHEET
	SHEET NUMBER

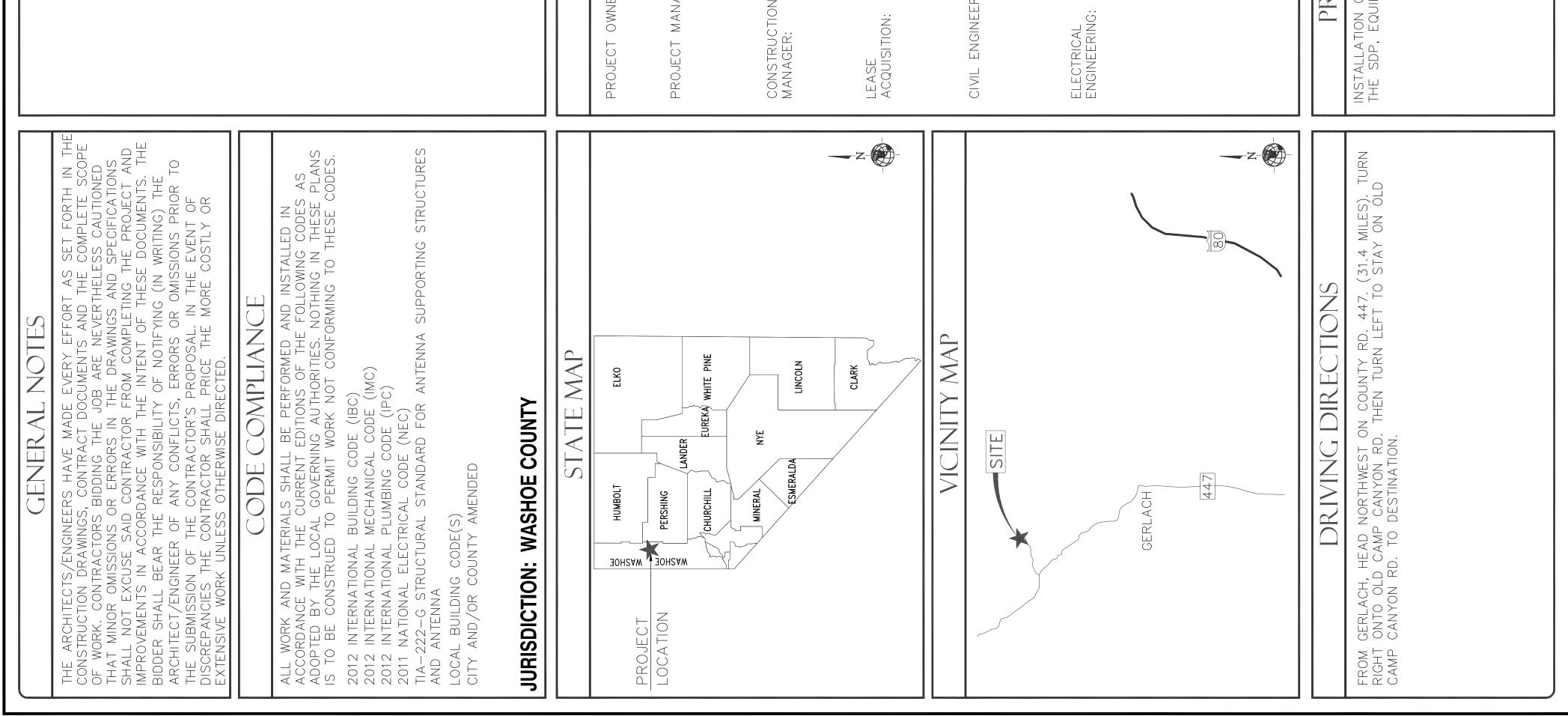
FOX MOUNTAIN, NV

RAW LAND BUILD

	PROJECT TEAM	PROJ	ECT INFORMATION
NER:	COMMNET WIRELESS, LLC 1562 NORTH PARK STRFFT	SITE NAME:	FOX MOUNTAIN, NV
NAGER:	CASTLE ROCK, COLORADO 80109 1562 North Park Street	SITE ADDRESS:	10140 A FOX MOUNTAIN ROAD Gerlach, nv 89412
	CASILE NOCK, CULUNADO BUIUS CONTACT: POLLEY WIESE PHONE: (720) 733-5399 EMAIL: pwiese@atni.com	SITE COORDINATES:	LATITUDE: 41°01'31.25374"N (NAD 83) Longitude: 119°33'30.09025"W (NAD 83) Elevation: ±8,181.23' (AMSL) (NAVD 88)
NO	1562 N. PARK STREET CASTLE ROCK, CO 80104 CONTACT: DAVE TILLER, CM PHONE: (720) 357–5384	APPLICANT:	COMMNET WIRELESS, LLC 1562 NORTH PARK STREET CASTLE ROCK, COLORADO 80109
	EMAIL: DTiller@atni.com	CONTACT:	DAVE TILLER (720) 357-5384
	1562 N. PARK SIREET CASTLE ROCK, CO 80104 CONTACT: ALEXIS LEIDIGH PHONE: (501) 448-1545 FMAN: Al aidiab@atai com	PROPERTY OWNER:	BLM UNITED STATES OF AMERICA
		APN NUMBER:	066-080-33
ER:	Abn Engineering, LLC 1337 f desert flower lanf	CURRENT ZONING:	TBD
	PHOENIX, AZ 85048 Contact. sandeed a mane de	CONSTRUCTION TYPE:	VB
	PHONE: (480) 213-8524	NEW USE:	
		OCCUPANCY:	VACANT LAND
	LE LLU 12005 ANTELOPE TRAIL	CURRENT USE:	UNMANNED TELECOMMUNICATIONS FACILITY
	PHONE: (303) 748-1189	LEASE AREA:	1459 SF
ROJ	PROJECT DESCRIPTION		UTILITY TABLE
I OF A T	NEW MONOPOLE WITH ANTENNAS, IDENTIFIED IN F shei ted i d tanks and soi ad addays	UTILITY:	PROVIDER:
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			N/A – Solar Site
		ONE/FIBER	
		CL	
			WASHUE COUNTY

WSUP19-0004 EXHIBIT D

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		RAILROAD TRACKS	GENERAL NOTES
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	ONTRACTOR SHALL TRANSPORT ANTENNAS IN A MANNER WILL NOT DAMAGE OR FFFECT	<u>Note:</u> Failure to perform inve Verification as required indication
L SECONDARY ELECTRICAL Lans and current nec and r shall obtain all required	E PIM TEST PRIOR TO INSTALL.	ACKNOWLEDGEMENT FROM THE CON THE MATERIALS AND EQUIPMENT W THEIR ENTIRETY AND THE CONTRAC
	THE CONTRACTOR SHALL INSPECT, CLEAN AND TEST FIBER CABLES PRIOR TO INSTALLING AND RECORD THE RESULTS TO CWL CM.	ASSUME ALL RESPONSIBILITY AND COSTS FOR EQUIPMENT SHORTAGES MISCFLLANFOLIS NOTES
SIBILITY TO PROVIDE AND RUN LCO BOX ON THE H-FRAME TO NSIDE THE EQUIPMENT T OF TWO (2) EACH 25-PAIR VD 1 PULL STRING. CABLE	THE CONTRA PROPERLY TO ANTENNAS, O	NTRACTO FOR AN ANS.
PIPE. CONDUITS WILL BE FROST-SLEEVES ON BOTH JST BE INSTALLED WITH ABOUT TENTIAL FROST-HEAVE RELIEF. INSIDE THE CONDUIT - TIED	THE CONTRACTOR WILL ATTA MOUNTING BRACKETS.	FOR CHANGES THAT REQUIRED ADI THE CM WILL COMPLETE A CHANGE OUTLINE THE REASON FOR THE CH COSTS.
ential future use. I <u>f Applicable)</u> Nsibility to install 2	THE CONTRACTOR SHALL VERIFY THAT PIPE MOUNTS ARE VERTICAL (PLUMB).	<u>Sweep / Pim / Fiber test</u> After the installation of Ante The general contractor shall
A PULL STRING FROM THE D THE TELCO TERMINATION (BINET OR DSX LOCATION.	SHALL COLD GALVANIZE SPRAY ALL DF THE HOT DIP GALVANIZATION.	ALL COMPONENTS AND PROVIDE A REPORT OF THE RESULTS. A GRA TO BE PROVIDED TO THE LOCAL N
<u>BLE)</u> Pare a "Spread-footing Meter with slab) Based on site plans.	THE CONTRACTOR SHALL INSTALL GROUNDING IN ACCORDANCE WITH THE PLANS AND MANUFACTURER'S RECOMMENDATIONS. GROUNDING KITS TO BE INSTALLED AT INTERVALS OF 100' ON TOWER.	APPROVAL. SWEEP TESTS SHOULD BY THE GC TERMINATING EACH RU A SHORT, 50 OHM LOAD, AND ANT JUMPER AND PROVIDING RETURN L
(INCLUDING REBAR PLAN) OVED FINAL SITE DRAWINGS. A MINIMUM COMPRESSIVE	THE CONTRACTOR SHALL INSTALL ICE-BRIDGE FROM TOWER TO THE APPROPRIATE RF BAY OR EQUIPMENT SHELTER, IF REQUIRED.	AFTER THE INSTALLATION OF FIBER JUMPERS, THE GC SHOULD PROPER FIBER TO CONFIRM THE RESULTS A
BUILDING SPECIFICATIONS. TESTED AND THE RESULTS MENT ENGINEER. IF THE REQUIREMENTS AND IS	THE CONTRACTOR SHALL ROUTE SPECIFIED COAX/POWER/FIBER CABLES ALONG CABLE TRAY/ICE-BRIDGE USING HANGERS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.	LIMITS. LIMITS. IF CONTRACTORS OFFER PIM TESTII SHOLLI D. RF. CONDLICTED ON JILIMPF
TION SHALL INCLUDE:	THE CONTRACTOR SHALL MARK EACH COAXIAL/POWER/FIBER CABLE IN ACCORDANCE WITH THE ANTENNA/FEEDLINE COLOR CODE SHEET AS SHOWN IN THE PLANS.	ANTENNAS TO CONFIRM THEY ARE AND WORKING PROPERLY. PIM TESTING STANDARD
	THE CONTRACTOR SHALL INSTALL HOISTING GRIPS, ACCORDING TO MANUFACTURER'S RECOMMENDATIONS (AS APPLICABLE).	UIREMENTS FOR PIM SSING: -103DBM OR
L F	THE CONTRACTOR SHALL INSTALL SURGE ARRESTORS/BIAS-T, IF REQUIRED, AND BUSS BARS IN APPROVED LOCATIONS.	FAILING: BELOW -96DBM (-139DB)
LA CULLECTION UN THE 4 X 4	THE CONTRACTOR SHALL WEATHERPROOF ALL COAX CONNECTIONS IN ACCORDANCE TO MANUFACTURER'S RECOMMENDATIONS.	Sweep test required per each cable/antenna system - antenna on ground before in
	THE CONTRACTOR SHALL PERFORM A "TAPE DROP" MEASUREMENT TO CONFIRM / VALIDATE ANTENNA CENTER LINE (ACL) HEIGHT.	TOWER -RETURN LOSS WITH 50 OHM LOAI TO MAIN COAXIAL LINE AND JUMPE -DISTANCE TO FAULT (DTF) WITH
TO THINGS SUCH AS: SHELTER JLVERTS, CURB-CUTS, TRAFFIC ETC).	<u>Grounding</u> The contractor shall install the grounding system in accordance with the plan.	CONNECTED TO MAIN COAXÍAL LINE -RETURN LOSS WITH PRECISION SH CONNECTED TO MAIN COAXIAL LINE -DISTANCE TO FAULT (DTF) WITH
AUNICATE DIRECTLY WITH THE RY VEHICLE TO VERIFY ACTUAL - AS WEIGHED BY HIGHWAY S RESPONSIBLE TO COORDINATE ATED CRANF AND LIFTING	ACTOR SHALL ROUTE GROUND LEADS TO ALL POINTS AND GROUND LEADS BY USING EXOTHERMIC APPROVED MECHANICAL COMPRESSION CONNECTIONS.	SHORT CONNECTED TO MAIN COAX JUMPER -RETURN LOSS SYSTEM W/ANTENN TO MAIN COAXIAL LINE AND JUMPE
, LIFTING CABLES, LIFTING ACTUAL WEIGHT OF SHELTER	THE CONTRACTOR SHALL APPLY OXIDE-INHIBITING COMPOUND IN ALL REQUIRED LOCATIONS.	-DISTANCE TO FAULT (DTF) SYSTE CONNECTED TO MAIN COAXIAL LINE -18 IS THE PASS / FAIL LINE - PFRFORMFD FROM THF POINT AT V
- APPLICABLE) - All INTER-BAY E PLANS, WHICH INCLUDE	FOR NEW CONSTRUCTION, THE CONTRACTOR SHALL PERFORM A MEGGER TEST AFTER ALL ATTACHMENTS HAVE BEEN MADE TO THE EQUIPMENT AND PROVIDE READINGS TO THE CM FOR CLOSE OUT REPORTS.	JUMPERS CONNECT TO THE DVPAS GSM CABINET AND AT THE JUMPEF THE CDMA CABINET. ALL LINES, F USE, ARE TO BE TESTED.
MADE SHALL PLACE.	IF REQUIRED, THE CONTRACTOR SHALL PROVIDE PHOTOS VERIFYING THAT ALL GROUND LEADS ARE IN PLACE AND CONNECTED TO SUBSURFACE GROUND RING PRIOR TO BACKFILLING GROUND SYSTEM EXCAVATION (CAD WELD OR BURNDY HY-GROUND CONNECTIONS BELOW GRADE).	
UE NORTH TO SET ALL Meet the performance commnet. And other	<u>MATERIALS</u> SECURITY AND PRESERVATION OF SITE MATERIALS AND EQUIPMENT ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN THE EVENT OF DAMAGE, THE CONTRACTOR SHALL PRESERVE THE ORIGINAL CONTAINER AND CONTACT CWL/CWL CM IMMEDIATELY.	
, SHALL USE AN ANTENNA ACCURATELY CAPTURE ALL AND (OPTIONALLY) AGL JLD USE EQUIPMENT OF GOOD HT THE WIRELESS INDUSTRY.	THE CONTRACTOR SHALL COMPLETE INVENTORY VERIFICATION NO LATER THAN ONE (1) BUSINESS DAY AFTER RECEIPT OF MATERIALS. TO INDICATE COMPLETION OF INVENTORY, THE CONTRACTOR SHALL SIGN AND DATED A COPY OF MATERIAL LIST AND GIVE TO THE CM. ANY MISSING MATERIAL SHALL BE REPORTED THE CM IMMEDIATELY.	

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THE CONTRACTOR CM/OWNER SO AS BY SITE OWNER A CONTRACT THE CONTRAC COMMISSION (A BID WALK V QUESTIONS OI IN REGARDS BUT NO CHAN CM. BID WAL QUESTIONS TH CONTRA(S/CONDL TOR SEF \triangleleft UCTI-OF THE CONTRA COMPLETE C GROUNDING CONTR, CCORD/ DIRECT CONTR/ NSTRA DEVIAT WALK ΟĞ I I C \bigcirc ЦЦ \bigcirc \bigcirc DATE: TIME: \bigcirc THE C PIPES, LOCAT THE (CONS DEGRI S \bigcirc Ш THE IN A(AND THE DEM(ANY BID THE APPI THE NECE STA⁻ THE FRE $\bigcirc \bigcirc$ the use or re-use of the electronic files. All rights reserved.

GC'S FOUNDAT FOUNDATION L EXCAVATION REINFORCING Ъ \bigcirc ⊢ - EQUIPMENT ALUMINUM. UTILIZED TO PITCHING SHELTER ACK Ŕ CTF CTF \square THE SER LOC ШHЦ ALL Of BE GENERAL CONTRACTOR'S PROJECT MANAGER (CONTRACTOR PM) GENERAL CONTRACTOR'S PROJECT MANAGER (CONTRACTOR PM) BEFORE THE COMMENCEMENT OF ANY WORK, THE GC WILL ASSIGN A CONTRACTOR PROJECT MANAGER (CONTRACTOR PM) WHO WILL ACT AS A SINGLE POINT OF CONTACT FOR ALL RC MHO WILL ACT AS A SINGLE POINT OF CONTRACTOR PM OF WILL DEVELOP A MASTER SCHEDULE FOR THE PROJECT, WHICH OR WILL BE SUBMITTED TO THE CWL CM PRIOR TO THE COMMENCEMENT OF ANY WORK. THIS CONTRACTOR PM WILL ALSO: SCHEDULE AN ON-SITE MEETING PRIOR TO PROJECT START, WITH ALL MAJOR PARTIES PRESENT. APPROPRIATE PARTIES INCLUDE (BUT ARE NOT LIMITED TO) CWL CM, CWL LOCAL OPERATIONS POC (MANAGER, SUPERVISOR OR TECHNICIAN), SF LOCAL POWER COMPANY, DESIGNATED ELECTRICIAN, LOCAL POERATIONS POC (MANAGER, SUPERVISOR OR TECHNICIAN), SC THE CONTRACTOR PM WILL PROVIDE DAILY VERBAL UPDATES ON SITE WORK PROGRESS TO THE CWL CM. ALL EXCAVATION SHALL BE DONE WITH CARE TO AVOID ALL EXCAVATION SHALL BE DONE WITH CARE TO AVOID DAMAGING UNDERGROUND PIPES/CONDUITS. ANY DAMAGE CAUSED BY CONSTRUCTION SHALL BE REPAIRED IMMEDIATELY AND MONITORED BY THE CONTRACTOR UNTIL REPAIRS ARE COMPLETED. THE CONTRACTOR UNTIL REPAIRS ARE COMPLETED. THE CONTRACTOR SHALL NOTIFY THE CM BY PHONE IMMEDIATELY IF DAMAGE TO UNDERGROUND FACILITIES IS CAUSED BY CONSTRUCTION AND THE CONTRACTOR SHALL SUBMIT A WRITTEN REPORT OF THE INCIDENT TO THE CM AND TO THE OWNER OF THE DAMAGED FACILITIES WITHIN 24 HOURS. R VILL BE HELD ON-SITE TO DISCUSS ANY C POSSIBLE SUGGESTIONS THAT GC'S MAY HAVE O THIS INSTALLATION. BID WALK IS OPTIONAL GE ORDERS WILL BE ALLOWED UNLESS APPROVED K IS DESIGNED TO CLEAR UP ANY CONCERNS OR AT GC'S MAY HAVE ABOUT THE INSTALLATION. S AND QUEST, WITH THAT TNOTE Ľ ONND E IS GRADED Anding Water NY trench Tore all THE L PROVIDE A COMPLETE INSTALLATION HE CONSTRUCTION PLANS PROVIDED CONSTRUCTION/PROJECT MANAGERS. \bigcirc PERMI AND ŪP, S ALL OUNTY, RECAUTIONS UPON REQ SHOWING L TOOLS NECESSARY INSTALLATION OF E WITH THE PLANS. ISING \triangleleft N IZED R SHALL COORDINATE EXCAVATION WORK AS NOT TO INTERFERE WITH COMPOUND A AND/OR CURRENT TENANTS. 0 N UNDERGR RACTOR SHALL PROVIDE AS-BUILT DRAWINGS ATE COMPLETION OF CONSTRUCTION AND THA TIONS FROM THE PLANS. OWER-AN TIL EACH NSTRUCTIO HAS BEEN AUTHORIZ WITH O COORDINATES L LORE IS CLE, BASIS. S < à SITE STAN AN) REST(OR. PRE S. \vdash ΟZ TION OF I Ś RE THAT THE SI DN TO AVOID SI METHODS FOR A CTOR SHALL RE RIGINAL CONDITIC CTED TO QUIPMEN SS SNON T S AREA DAILY N UNT E-CON RMIT HAS THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND SUPERVISING ALL SAFETY PROGRAMS IDENTIFIED BY OHSA REGULATION: THE CONTRACTOR SHALL PROVIDE DOCUMENTCOMPLIANCE. U N T \triangleleft N A € PRE- \bigcirc ليا ليا AND PR(E SITE ON A PENDEI Ш EXPI N < MAY BE REQUIRED . PLAN SUBMITTALS. Y ALL JDING JANCE TED: P DING I INGINE \bigcirc THE CONTRACTOR SHALL ENSURE TH PROPERLY DURING CONSTRUCTION T AND USE APPROVED BACKFILL METH WORK REQUIRED. THE CONTRACTOR DISTURBED AREAS TO THEIR ORIGIN/ MATERIALS. \triangleleft Ч Ц N H H H H H H \triangleleft OT BE -LINE / Ш THE GC WILL NOT START CONSTR FOLLOWING HAS BEEN COMPLETEL MEETING HAS BEEN HELD; BUILDI SECURED, AND THE PROJECT ENO START OF CONSTRUCTION. CONDUC OR AFTE APPROP ERIFY SUPPL) I INCLUE EBRIS CALL-WITH AN I SHALL NC BRING ON-I DE $\bigcirc \triangleleft$ HALL TION JR SHALL 5 USING AI 2E. SHALL CTIONS SHALL _ATED & AND $\Box \square$ DR SHALL ACTOR SHA CONSTRUCT SYSTEM, I エー CONTRACTOR SHOP CONSTRUCT ACTOR S ION REL, ETHICS AND AND VALK WILL B NS OR POS RDS TO TH CHANGE OI O WALK IS NS THAT G SONTRACTOR SSARY INSPEC CTOR OR BI ACTOR UITS L ERVICE. RACTOR DANCE V STION OF TOR Š Ū

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ALL CONCRETE SHALL DEVELOP A MINIMU STRENGTH AS SPECIFIED IN THE BUILDING CONCRETE SAMPLES ARE TO BE TESTED PROVIDED TO THE SITE DEVELOPMENT EN RESULTS DO NOT MEET MINIMUM REQUIRE DETERMINED TO BE UNACCEPTABLE, CONT RESPONSIBLE FOR CORRECTING THE DEFIC

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VERY, (TRMITS HE SITE, ONSIBILI TO THII JLVERTS TC). COORDINATION OF SHELTER DELIVERY ALONG WITH ALL NECESSARY PERMIT ROADS AND GAIN ACCESS TO THE SI OFFLOAD TOOLS, ARE THE RESPONSIE CONTRACTOR PM (THIS APPLIES TO TO DELIVERY VEHICLE(S), CRANE, CULVER CONTROL, ROAD RESTRICTIONS, ETC).

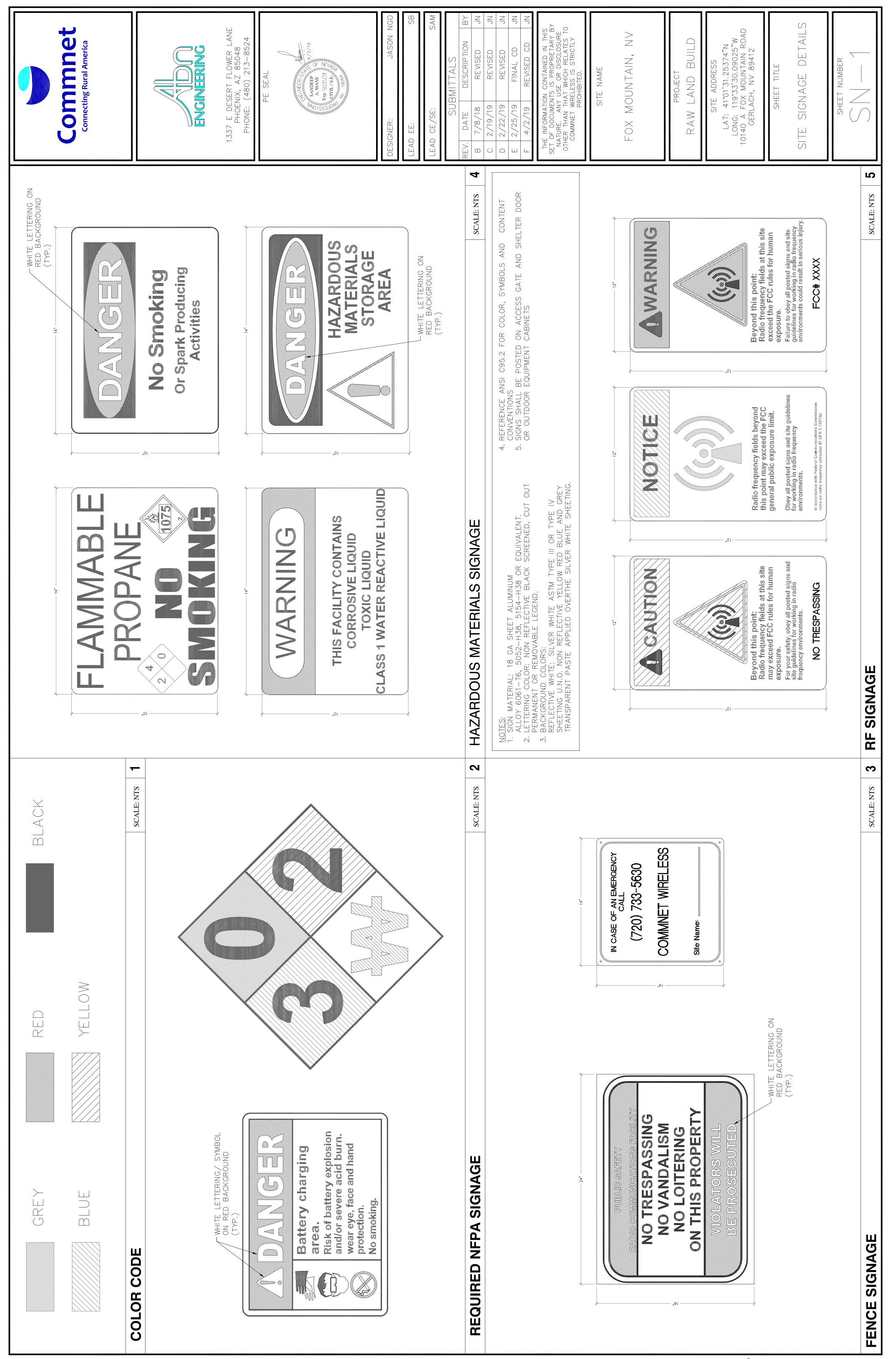
AUNICA RY VEH - AS S RESP TED CF , LIFTIN , LIFTIN THE CONTRACTOR PM WILL COMMUN DRIVER OF THE SHELTER DELIVERY SHELTER AND CONTENTS WEIGHT – SCALES. THE CONTRACTOR PM IS R THE APPROPRIATELY SIZED / RATEL EQUIPMENT (IE: SPREADER BARS, LI SHACKLES, ETC), BASED ON THE AC AND CONTENTS.

POWER AND EQUIPMENT BAYS (IF THE CONTRACTOR SHALL INSTALL CONNECTIONS ACCORDING TO THE TELCO, DC CIRCUITS, ALARM CABL

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RUE NOI /FIBER ANTENNAS/COAX/POWER/F THE CONTRACTOR SHALL U ANTENNA AZIMUTHS. THE CONTRACTOR, IN ORDER TO MEET TH REQUIREMENTS FOR E-911 FOR COMMNET PERFORMANCE/QUALITY CONTROL, SHALL ALIGNMENT TOOL IN ORDER TO ACCURATE ALIGNMENT IN AZIMUTH, TILT, ROLL AND HEIGHT. THE CONTRACTOR SHOULD USE QUALITY AND PREFERRED THOUGHT THE V

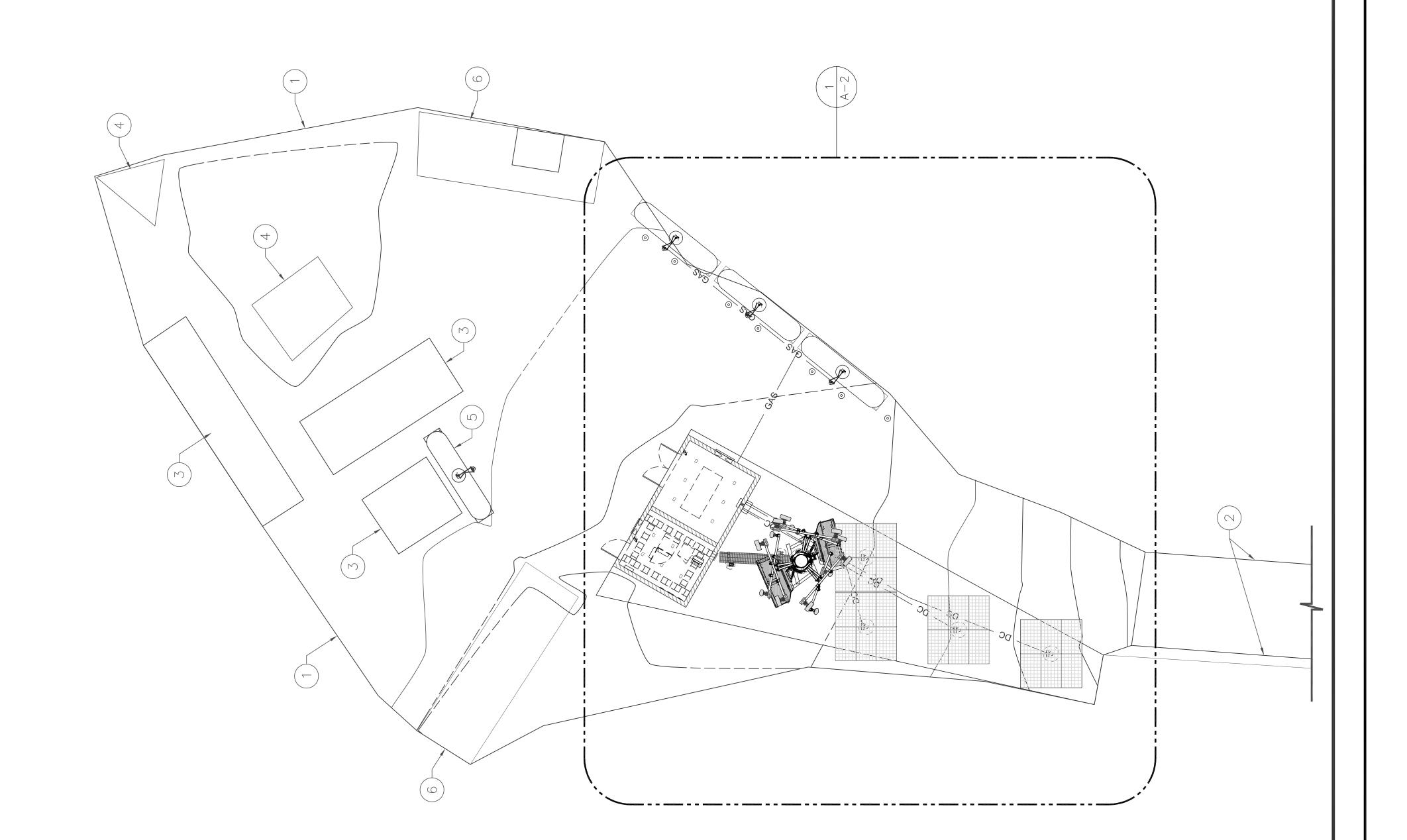
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APPROXIMATE VALEY GRADE DROP (E) DILT ACCESS ROAD (E) SULANG (TYP.) (E) SOLAR PANELS (TYP.) (E) SOLAR PANELS (TYP.) (E) SOLAR PANELS (TYP.) 2.001ARIO DAVE DAVE DAVE DAVE DAVE DAVE DAVE DAVE

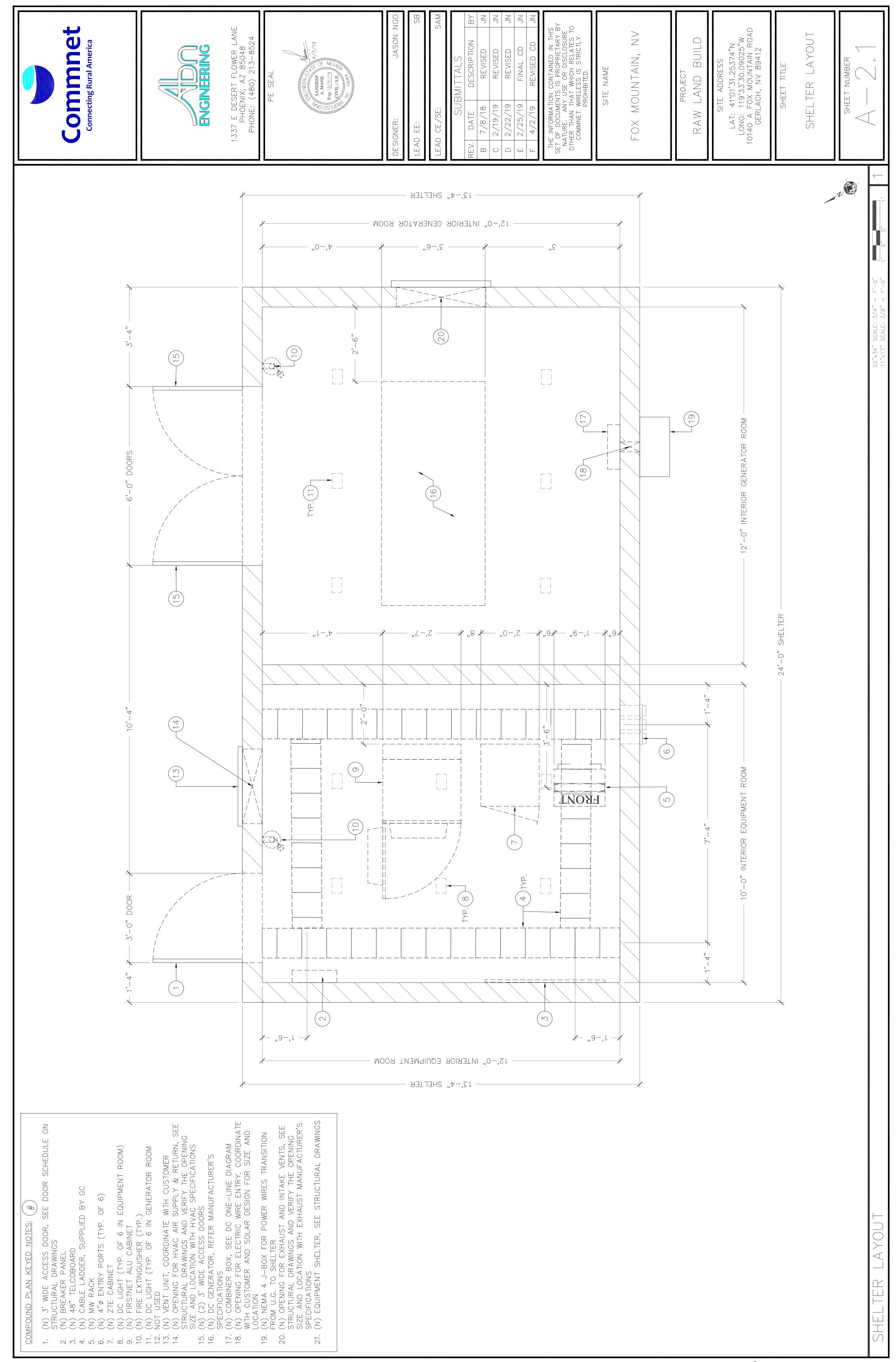


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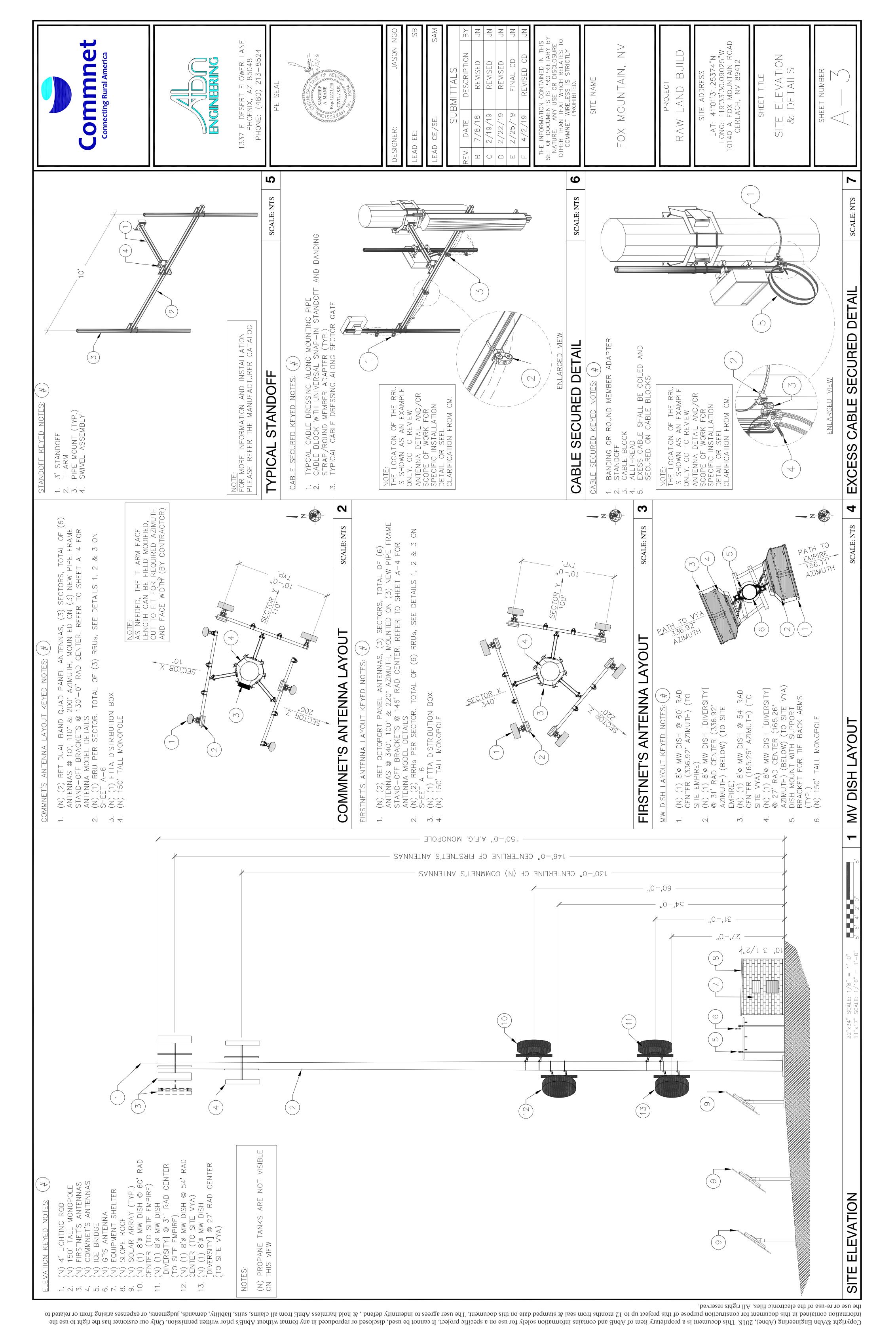
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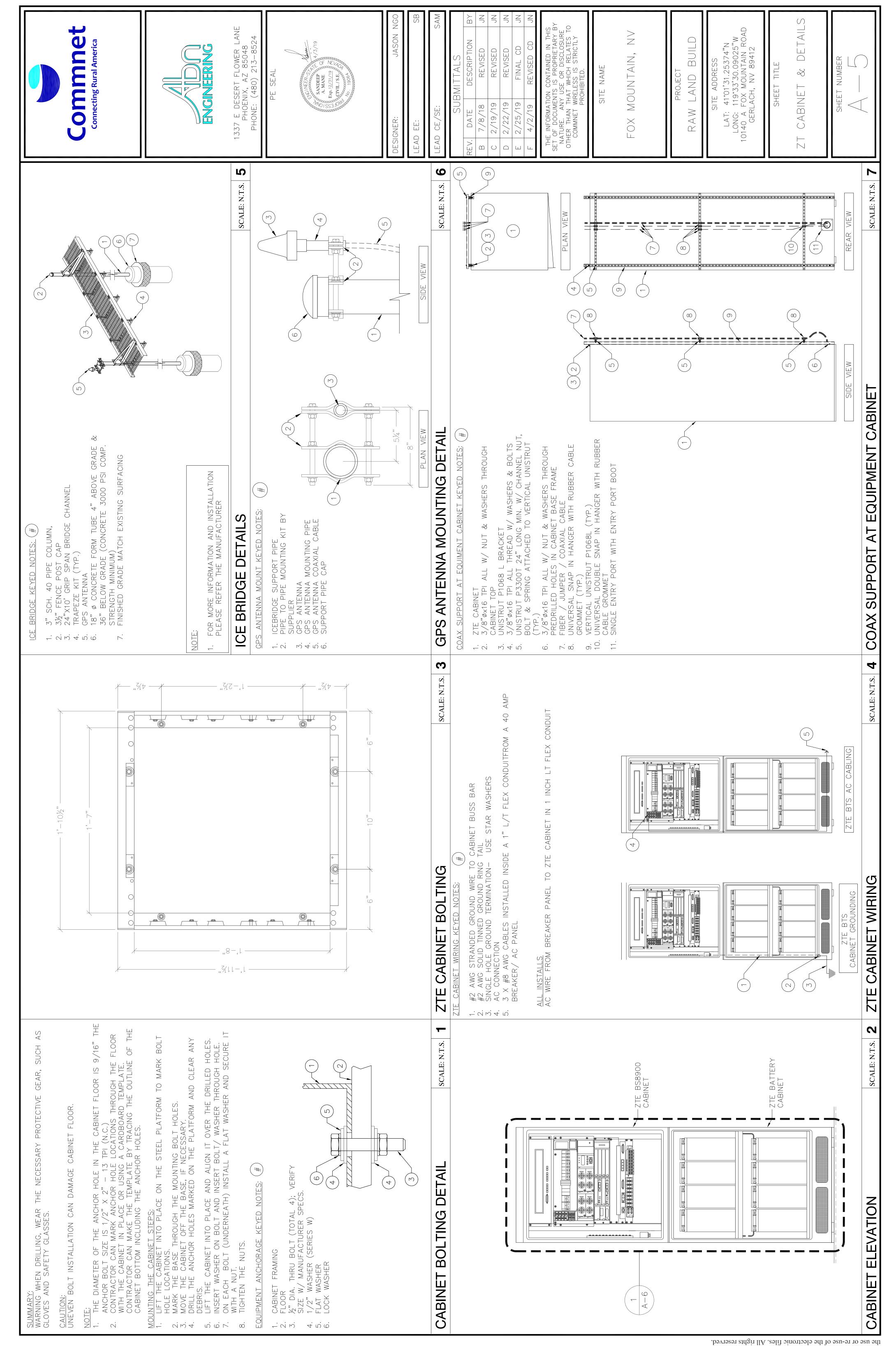


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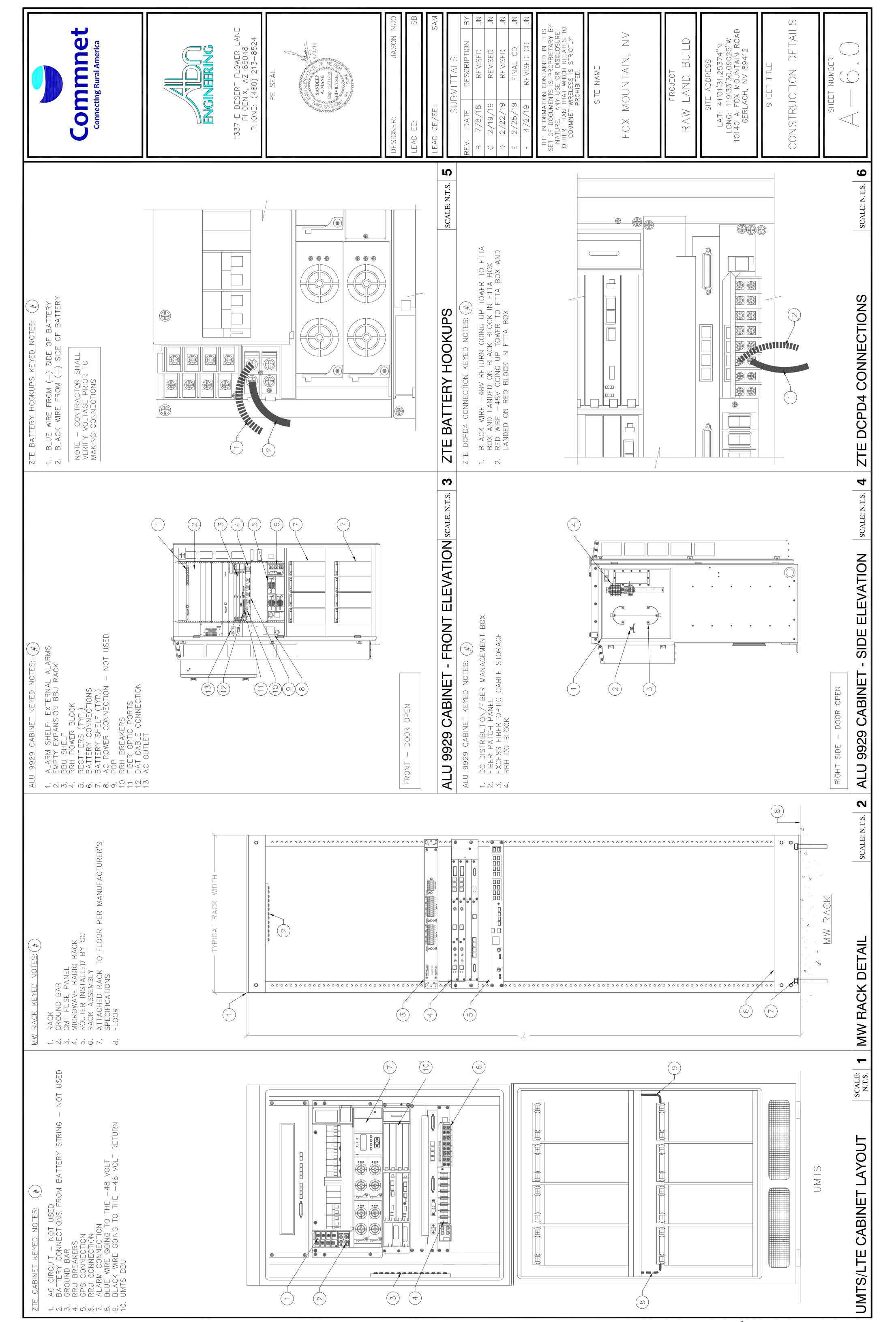


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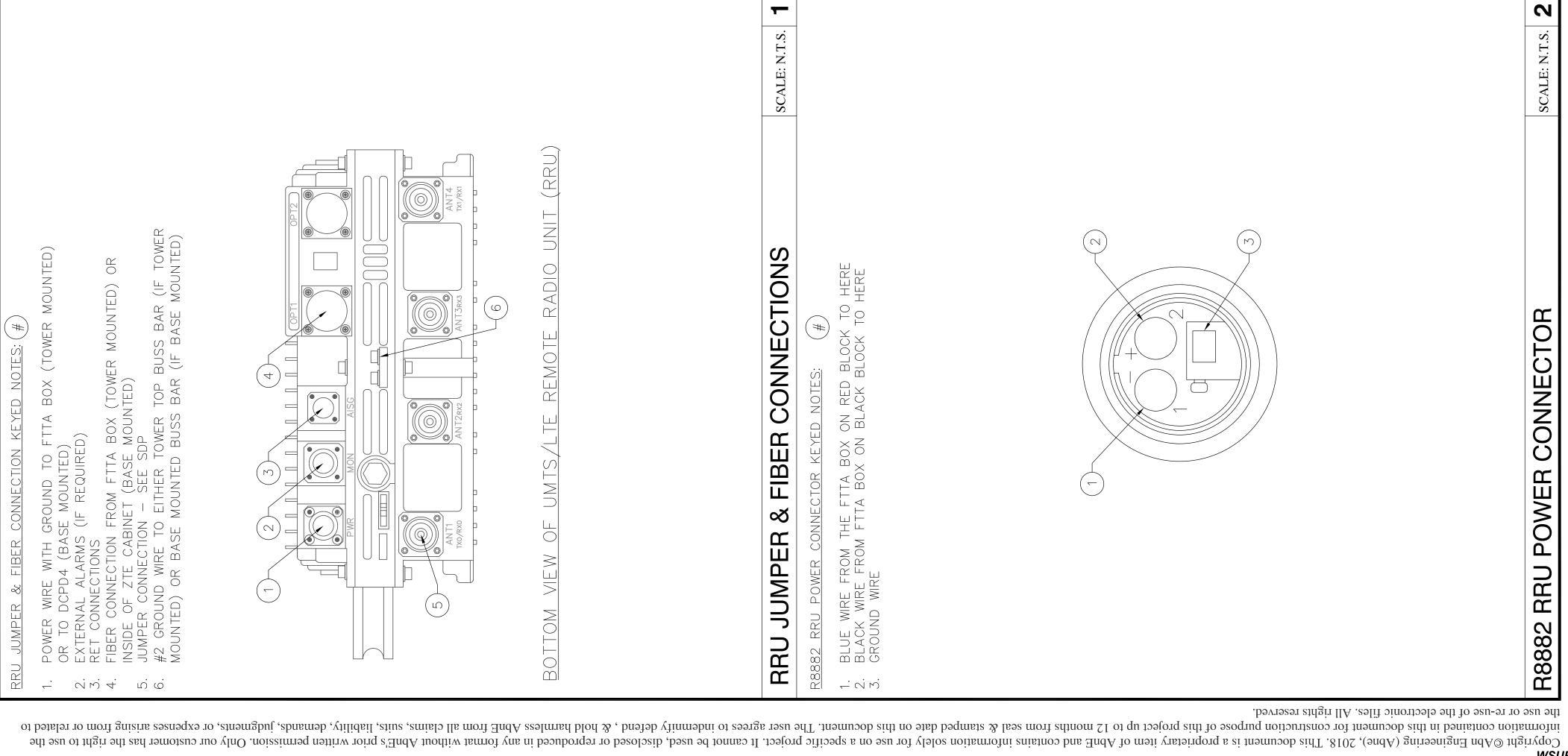


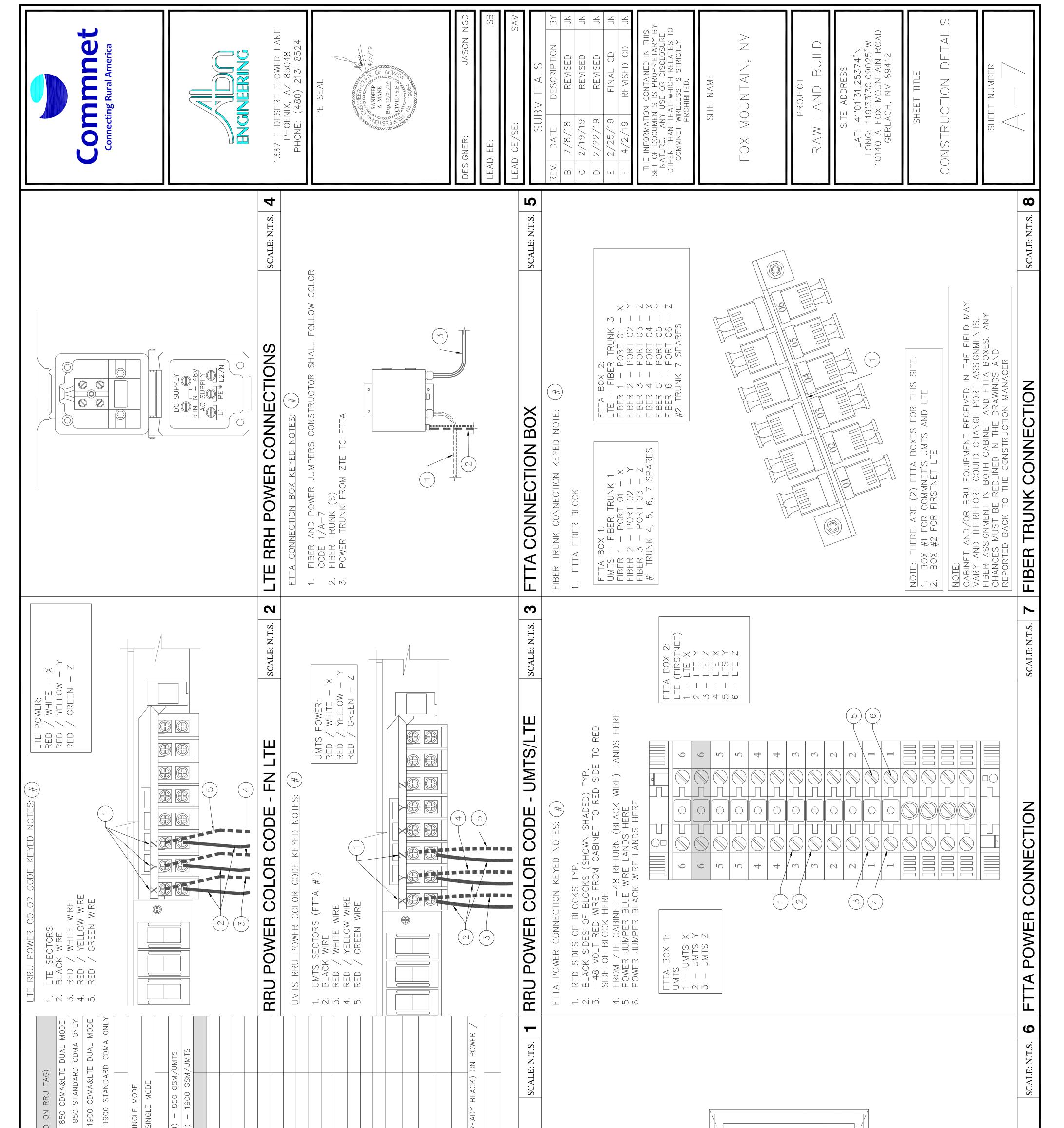
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Connecting Rural America	1337 E DESERT FLOWER LANE PHOENIX, AZ 85048 PHONE: (480) 213–8524 PE SEAL	GNER: JASON N GNER: JASON N CE/SE: JASON N SUBMITTALS	REV. DATE DESOCRIFTION BT B 7/8/18 REVISED JN C 2/19/19 REVISED JN D 2/22/19 REVISED JN E 2/25/19 FINAL CD JN F 4/2/19 REVISED JN THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO COMMNET WIRELESS IS STRICTLY PROHIBITED. SITE NAME SITE NAME SITE NAME	FOX MOUNTAIN, NV PROJECT PROJECT RAW LAND BUILD SITE ADDRESS LAT: 41°01'31.25374"N LONG: 119°33'30.09025"W 10140 A FOX MOUNTAIN ROAD	CONSTRUCTION DETAILS	
		SCALE: N.T.S. 5				SCALE: N.T.S.
		3 NOT USED				4 NOT USED
CAP) – SEE DETAIL 4 ON THIS SHEET) (TOWER MOUNTED) OR INSIDE OF LTE CABINET	Image: state	REMOTE RADIO HEAD (RRH) scale: N.T.S.			ote radio head (rrh)	STALE NTS
RRH KEYED NOTES: (#) 1. RRH DC POWER CONNECTION (UNDER RED CAP) 2. GROUND CONNECTION 3. FIBER OPTIC CONNECTION FROM FTTA BOX (TOW (BASE MOUNTED) 4. RET CONNECTIONS 5. EXTERNAL ALARMS (IF REQUIRED)		E BBH - BOTTOM VIEW OF LTE	1. ATTENNA JUMPER CONNECTIONS		TOP VIEW OF LTE REMOTE	I TF RRH - TOP VIFW

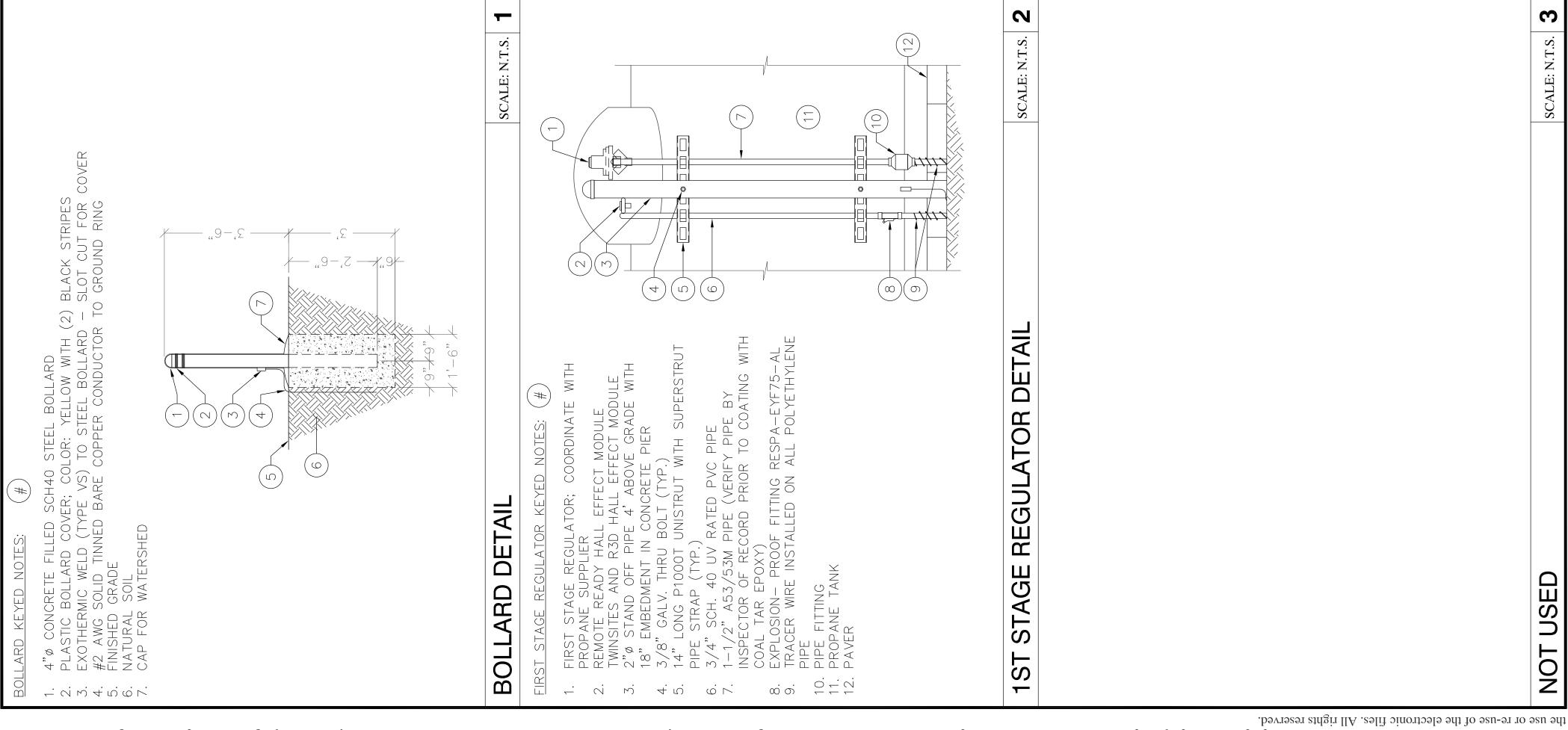




TECHNOLOGY	CABLE TYPE	TAPE COLOR		RRU P/N CODE (LOCATED
LTE	POWER -	ORANGE WRAP		31012
LTE		ORANGE WRAP	ADD 1 ADDITIONAL WRAP 129557	31009 ZXSDR R88 S8500
GSM/UMIS	POWER	YELLOW WRAP		31011 ZXSDR R88 S1900
		CBEEN WRAP		1010 27347 700
CDMA	FIBER TRUNK	WRAP	DMA, 12955	31037 850 CDMA R888
UMTS		PURPLE WRAP	R 12955	CDMA R8882 NEW
UMTS	IBE	PURPLE WRAP	MTS, RAP	
DO		WHITE WRAP	ADDITIONAL POWER OR 12955	ZXSDR R8882 S850
DO	FIBER TRUNK	1 WHITE WRAP	DD 1 ADDITIONAL WRAP	31024 ZXSDR R8882 S1900
IECHNOLOGY I TF	CABLE IYPE Power triink	1 ORANGE + FRED + SECTOR	COMMENIS	
	TRUNK	1 ORANGE+FREQ+SECTOR		
GSM/UMTS	TRUNK	1 YELLOW+FREQ+SECTOR		
GSM/UMTS	TRUNK	1 YELLOW+FREQ+SECTOR		
CDMA	TRUNK	1 GRFEN+FREQ+SECTOR		
UMTS	TRUNK	1 PURPLE+FREQ+SECTOR		
UMTS	TRUNK	1 PURPLE+FREQ+SECTOR		
	FIBER TRUNK	1 WHITE+FREQ+SECTOR		
FREQUENCY	LOR			
700	BLACK/BLANK			
850 1900	GREY BROWN			
SECTOR	CABLE TYPE	COLOR		
×	COAX JUMPER	RED		
>		WHITE		
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	CUAX JUMPER	BLUE OR ITF FOR 700MH2 -1		VF BLANK (CABLE COLOR IS ALR
EXAMPLE	_			
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FTTA DI	DISTRIBUTION B(BOX KEYED NOTES: (#)		
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	/ER JUMPERS 'e "Imeers			
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FTTA	DISTRIBUTION	BOX	CONNECTION DE	ETAIL

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	NOT USED	NOT USED	NOT USED
	SCALE: N.T.S. 4	SCALE: N.T.S. 5	SCALE: N.T.S. 6
JOINT TRENCH KEYED NOTES: # 1. MATCH EXISTING SURFACE 2. FINISHED GRADE 3. VERT. DEPTH W/O SHORING PER GOVERNING CODES 4. CLEAR BEDDING W/ MIN. 12" COVERAGE OVER CONDUIT 5. PVC CONDUIT FOR GAS	FUEL LINE TRENCH DETAIL	NOT USED	NOT USED



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(INGS AND ALL FINISHED GRADE WITH CIVIL DRAWINGS. DEVIATIONS FROM CONTRACT DOCUMENTS SHALL BE CLOU ENTIONED WHICH ARE NOT CLOUDED OR FLAGGED BY SUI INEER'S REVIEW, UNLESS NOTED ACCORDINGLY. APPROVE OR DISAPPROVE ANY CHANGES TO CONTRACT D APPROVE OR DISAPPROVE ANY CHANGES TO CONTRACT D INEER OR OWNER ARE NOT TO BE CONSIDERED CHANGES TO MAKE SURE ITEMS ARE CONSTRUCTED TO CONTRACT ESIGNS AND LAYOUT PERFORMED BY OTHERS RESTS WITH MID TO THE CONTRACTOR IN OBTAINING CORRECT SHOF HE CONTRACTOR IN OBTAINING CORRECT SHOF HE CONTRACTOR.	NISHED GRADE WITH CIVIL DRAWINGS. A CONTRACT DOCUMENTS SHALL BE CLOUDED BY MANUFACTURER OR ARE NOT CLOUDED OR FLAGGED BY SUBMITTING PARTIES, SHALL NOT BE UNLESS NOTED ACCORDINGLY. SAPPROVE ANY CHANGES TO CONTRACT DOCUMENTS AT ANYTIME BEFORE OR ACT DOCUMENTS. ITEMS OMITTED OR SHOWN INCORRECTLY AND ARE NOT IS ARE NOT TO BE CONSIDERED CHANGES TO CONTRACT DOCUMENTS. IT IS ITEMS ARE CONSTRUCTED TO CONTRACT DOCUMENTS. UT PERFORMED BY OTHERS RESTS WITH THE DESIGNING OR SUBMITTING ONTRACTOR IN OBTAINING CORRECT SHOP DRAWINGS. RESPONSIBILITY FOR	Connecting Rural America
BASED ON THE REQUIREMENTS OF THE AISC CODE LERANCES FOR CONCRETE CONSTRUCTION AND MAT AND MEMBER SIZES ARE FOR REFERENCE ONLY. CO IN. THE CONTRACTOR SHALL VERIFY THE ACTUAL CO CTURE BEFORE BEGINNING WORK. ANY DISCREPANCIE UTION BEFORE BEGINNING WORK. REFER TO A&E P MECHANICAL AND ELECTRICAL PLANS FOR DUCTS, P MAY BE NECESSARY IN ORDER TO PERFORM THE DN THE STRUCTURAL AND ENGINEERING PLANS AND HO SHALL INVESTIGATE WHERE THIS TEMPORARY SH //BRACING.	BASED ON THE REQUIREMENTS OF THE AISC CODE OF STANDARD PRACTICE AND ACI 117, ERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS. AND MEMBER SIZES ARE FOR REFERENCE ONLY. CONTRACTOR SHALL VERIEY ALL DIMENSIONS ON THE CONTRACTOR SHALL VERIEY THE ACTUAL CONFIGURATION OF EXISTING CONSTRUCTION TO THE CONTRACTOR SHALL VERIEY THE ACTUAL CONFIGURATION OF EXISTING CONSTRUCTION CONSTRUCTION BEFORE BEGINNING WORK. ANY DISCREPANCIES OR UNSOUND CONDITIONS SHALL BE LUTION BEFORE BEGINNING WORK. ANY DISCREPANCIES OR UNSOUND CONDITIONS SHALL BE CHAIN AND EFFORE BEGINNING WORK. REFER TO A&E PLANS FOR DIMENSIONS, EMBEDMENT, AND MECHANICAL AND ELECTRICAL PLANS FOR DUCTS, PIPING, EMBEDMENT, AND OPENINGS NOT MAY BE NECESSARY IN ORDER TO PERFORM THE NECESSARY STRUCTURAL MODIFICATIONS TO NI THE STRUCTURAL AND ENGINEERING PLANS AND DETAILS. THE CONTRACTOR MUST RETAIN A HO SHALL INVESTIGATE WHERE THIS TEMPORARY SHORING/BRACING IS REQUIRED, AND SHALL /BRACING.	1337 E DESERT FLOWER LANE PHOENIX, AZ 85048 PHONE: (480) 213-8524
AIERAL SIABILITY: THEMSELVES ARE A NON-SELF-9 D BY THE ROOF AND FLOOR DIAP ELEMENTS (SUCH AS BEAMS, CC EMENTS ARE NOT IN PLACE, THE WHERE TEMPORARY SHORING/BR/ RENTS AND REACH THEIR FINAL STALLED AND REACH THEIR FINAL RING DRAWINGS FOR DIMENSIONS IOUSEKEEPING PADS, WALL AND ITEMS, ETC. CONTRACTOR SHALL N. WHERE SECTIONS ARE INDICA ON (1) IS SHOWN ON C5.	THEMSELVES ARE A NON-SELF-SUPPORTING STRUCTURE. LATERAL FORCES DUE TO WIND, THEMSELVES ARE A NON-SELF-SUPPORTING STRUCTURE. LATERAL SYSTEM. CERTAIN ELEMENTS SHOWN D BY THE ROOF AND FLOOR DIAPHRAGMS TO THE LATERAL SYSTEM. CERTAIN ELEMENTS SHOWN ELEMENTS (SUCH AS BEAMS, COLUMNS, AND WALLS). IF, DUE TO SEQUENCING OF ELEMENTS (SUCH AS BEAMS, COLUMNS, AND WALLS). IF, DUE TO SEQUENCING OF EMENTS ARE NOT IN PLACE, THE CONTRACTOR SHALL RETAIN A LICENSED STRUCTURAL EMENTS ARE NOT IN PLACE, THE CONTRACTOR SHALL RETAIN A LICENSED STRUCTURAL STALLED AND REACH THEIR FINAL DESIGN UNTIL THE REQUIRED STRUCTURAL ELEMENTS AND STALLED AND REACH THEIR FINAL DESIGN STRENGTHS. RING DRAWINGS FOR DIMENSIONS NOT SHOWN, INCLUDING BUT NOT LIMITED TO: SIZE AND OUSEKEEPING PADS, WALL AND FLOOR OPENINGS, BLOCKOUTS, FLOOR DEPRESSIONS, SUMPS, ITEMS, ETC. CONTRACTOR SHALL VERIFY DIMENSIONS AND RESOLVE DISCREPANCIES OR N. WHERE SECTIONS ARE INDICATED ON THE PLAN BY A NUMBER AND A DRAWING NUMBER NN (1) IS SHOWN ON C5.	PE SEAL
VSPECTION IS REQUIRED FOR THE	Following items:	DESIGNER: JASON NGO
CIC) THE SPECIAL INSPECTOR: SHALL OBSERVE THE WORK ASSIGNED TO SPECIFICATION. SHALL OBSERVE THE WORK THE ENGINEER OR OW SHALL FURNISH INSPECTION REPORTS TO TO THE BEST OF HIS KNOWLEDGE THE WORKMANSHIP P NIS AND THE APPLICABLE WORKMANSHIP P TANDARD MATERIAL STRENGTHS AND CONS ABS AND SIDEWALKS MAY NOT BE SHOWN ON CGS. WALL OPENINGS PRIOR TO START OF CONS ABS AND SIDEWALKS MAY NOT BE SHOWN ON CGS. WALL OPENINGS MAY NOT BE SHOWN ON SEE A&E, MECHANICAL, ELECTRICAL AND LOCATION AND ELECTRICAL ENGINEERS THROUGH ECONS AND FLECTRICAL ENGINEERS THROUGH ECONS AND FLECTRICAL ENGINEERS THROUGH ECONS AND PLECTRICAL ENGINEERS THROUGH ECONS AND FLECTRICAL ENGINEERS THROUGH	BE CERTAIN IT CONFI THE BUILDING OFFICI- INER SHALL COMPLETI- ORK IS IN CONFORMA ROVISIONS OF THE CO FRUCTIONS – RESOLV FOR EXACT DIMENSI- FOR EXACT DIMENSI- STRUCTURAL DRAWING STRUCTURAL DRAWINGS. F IL MBING DRAWINGS. F ALL APPLY UNLESS NO ALL APPLY UNLESS NO R.	LEAD CE/SE: SAM LEAD CE/SE: SAM SUBMITTALS REV. DATE DESCRIPTION BY REV. DATE DESCRIPTION D C 2/19/19 REVISED JN C 2/19/19 REVISED JN E 2/22/19 REVISED JN E 2/22/19 REVISED JN THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO COMMET WHICH RELATES TO COMMET WHICH RELATES TO COMMET WHICH RELATES TO SET OF DOCUMENTS IS STRICTLY PROHBITED. FOX MOUNTAIN, NV FOX MOUNTAIN, NV SITE NAME BUILD SITE ADDRESS SITE ADDRESS
	SEE S4 SERIES SHEETS FOR FOUNDATION DETAILS SEE S5 SERIES SHEETS F FRAMING DETAILS SEE S1 SERIES SHEETS FOR TYPICAL DETAILS SEE PLAN NOTES FOR EACH PLAN SHEET	01'31.253 •33'30.09 * Mount, H, NV 89
IN FLOOR OR ROOF CMU WALL, U.N.O. - PLACE CONCRETE WALL U.N.O -OOTING OF DECK STEEL MALL	SEE TYPICAL NOTE 4 ABOVE SEE FOUNDATION/FRAMING PLANS SEE FOUNDATION/FRAMING PLANS	STRUCTURAL NOTES SHEET NUMBER

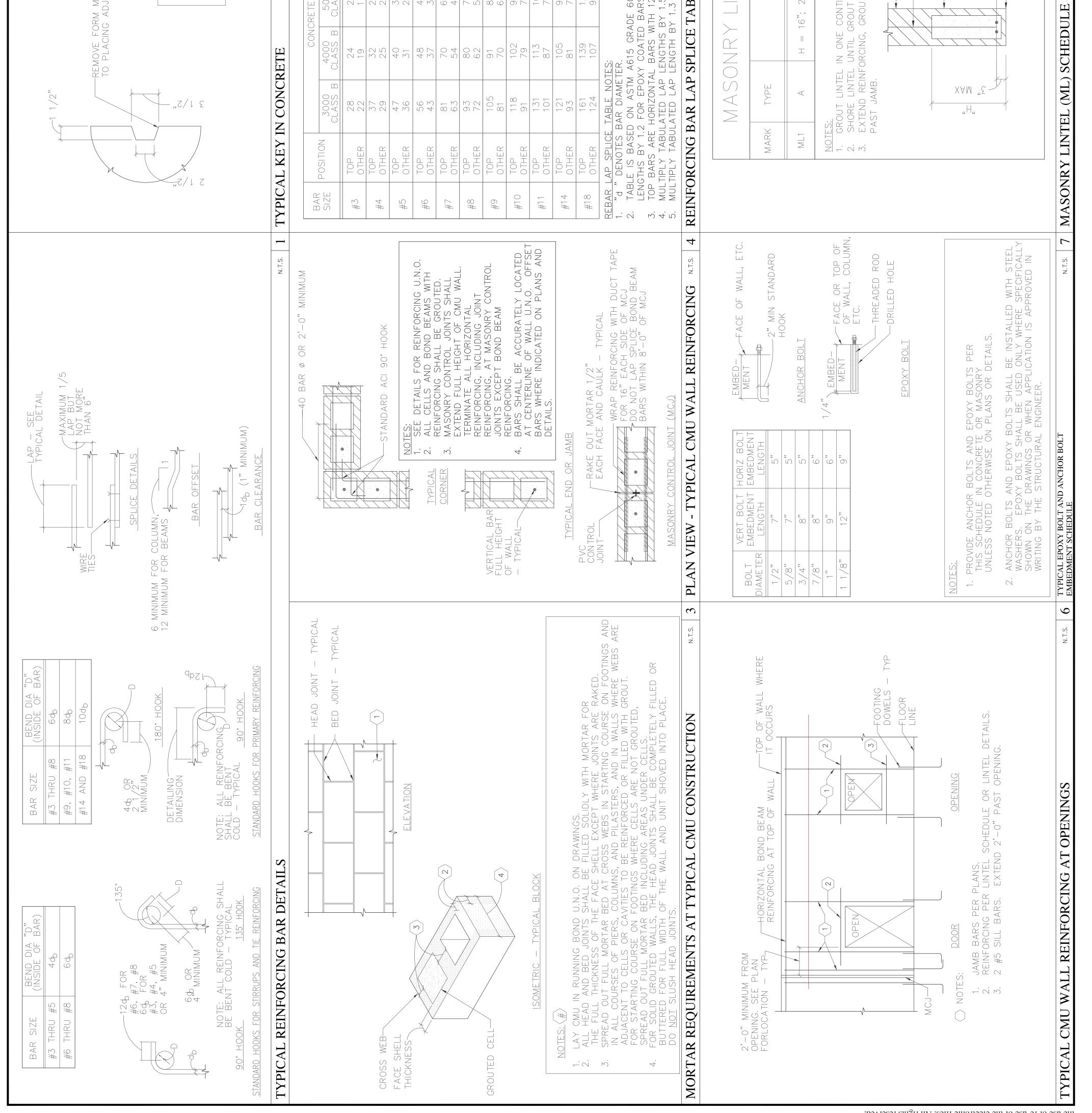
REINFORCING: ASTM A615 (Fy = 60 KSI) DEFORMED BARS FOR ALL BARS. ALL GRADE 60 REINFORCING TO BE WELDED SHALL BE ASTM A706. WELDED WIRE FABRIC PER ASTM A185, WIRE PER ASTM A82. NO TACK WELDING OF REINFORCING BARS ALLOWED WITHOUT PRIOR REVIEW OF PROCEDURE WITH THE STRUCTURAL ENGINEER. LATEST ACI CODE AND DETAILING MANUAL APPLY. CLEAR CONCRETE	VERIFY ALL DIMENSIONS WITH DRAWING ANY CHANGES, SUBSTITUTIONS, OR DE FABRICATOR. ANY OF THE AFOREMEN CONSIDERED APPROVED AFTER ENGINE
COVERAGE AS FULLOWS: CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	
LAP SPLICES IN CONCRETE: LAP SPLICES, UNLESS NOTED OTHERWISE, SHALL BE CLASS "B" TENSION LAP SPLICES PER LATEST EDITION OF ACI 318. LAP SPLICES IN CONCRETE COLUMNS SHALL BE STANDARD COMPRESSION LAP SPLICES. STAGGER SPLICES A MINIMUM OF ONE LAP LENGTH. LAPS IN WELDED WIRE FABRIC SHALL BE MADE SO THAT THE OVERLAP, MEASURED BETWEEN OUTERMOST CROSS WIRES OF EACH FABRIC SHEET, IS NOT LESS THAN THE SPACING OF CROSS WIRES PLUS 2 INCHES. ALL WELDED WIRE FABRIC SHALL BE CHAIRED TO ENSURE DROBED OF FABRIC SHALL BE CHAIRED TO ENSURE	THE ADEQUACY OF ENGINEERING DESIC AUTHORITY. REVIEWING IS INTENDED ONLY AS AN CORRECTNESS SHALL REST WITH THE BUILDING TOLFRANCES:
ALL SPLICE LOCATIONS SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER. PROVIDE BENT CORNER BARS TO MATCH AND LAP WITH ALL SPLICE LOCATIONS SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER. PROVIDE BENT CORNER BARS TO MATCH AND LAP WITH HORIZONTAL BARS AT ALL CORNERS AND INTERSECTIONS PER TYPICAL DETAILS. REINFORCING BAR SPACING GIVEN ARE MAXIMUM ON CENTERS. ALL BARS PER CRSI SPECIFICATIONS AND HANDBOOK. DOWEL ALL VERTICAL REINFORCING TO FOUNDATION WITH STANDARD 90-DEGREE HOOKS UNLESS NOTED OTHERWISE. SECURELY TIE ALL BARS IN LOCATION BEFORE PLACING CONCRETE. CONCRETE COLUMN DOWEL EMBEDMENT SHALL BE A STANDARD COMPRESSION DOWEL WITH EMBEDMENT LENGTH ACCORDING TO THE LATEST EDITION OF THE ACI 318. (UNLESS NOTED OTHERWISE ON PLANS OR DETAILS). DRYPACK: DRYPACK SHALL BE 5.000 PSI NON-SHRINK GROUT. FIVE STAR OR EQUIVALENT. INSTALL DRYPACK UNDER BEARING PLATES BEFORE	STANDARD TOLERANCES SHALL BE BAS STANDARD SPECIFICATIONS FOR TOLER EXISTING STRUCTURE: EXISTING STRUCTURAL DIMENSIONS ANI IN THE FIELD PRIOR TO FABRICATION. AND THE CONDITION OF THE STRUCTU REPORTED TO THE EOR FOR RESOLUT OPENINGS NOT SHOWN. REFER TO ME
ING MEMBER IS INSTALLED. ICTURAL STEEL: STRUCTURAL STEEL SHALL BE ASTM A992 (Fy = 50 KSI). ALL CHANNELS, ANGLES, AND PLATES SHALL BE ASTM A36 (Fy ALL PIPE STEEL SHALL BE ASTM A501 (Fy = 36 KSI). OR ASTM A53, TYPE E OR S, GRADE B (Fy = 35 KSI). (NOTE: A ALL PIPE STEEL SHALL BE ASTM A501 (Fy = 36 KSI). OR ASTM A53, TYPE E OR S, GRADE B (Fy = 35 KSI). (NOTE: A ALL PIPE STEEL SHALL BE ASTM A501 (Fy = 36 KSI). OR ASTM A53, TYPE E OR S, GRADE B (Fy = 35 KSI). (NOTE: A ALL PIPE STEEL SHALL BE ASTM A501 (Fy = 36 KSI). OR ASTM A53, TYPE E OR S, GRADE B (Fy = 35 KSI). (NOTE: A ALL PIPE STEEL SHALL BE ASTM A325, UNLESS NOTED OTHERWISE. ALL CONSTRUCTION PER LATEST AISC HANDBOO NOMENT CONNECTIONS, AND WHERE OTHERWISE NOTED OTHERWISE. ALL CONSTRUCTION FAKES PLACE. ALL BOLTS AND ASION AND EPOXY BOLTS TO HAVE I.C.C. RATING FOR MATERIAL INTO WHICH INSTALLATION TAKES PLACE. ALL BOLTS, ANC S, EXPANSION BOLTS, FTC. SHALL BE INSFECTED BY AN INDEPENDENT TESTING LABORATORY. ALL WELDING SHALL ORMED BY WELDERS HOLDING VALLD CERTIFICATES AND HAVING CURRENT EXPERIENCE IN THE TYPE OF WELD SHOWN ON TI INGS OR NOTES. CERTIFICATES SHALL BE THOSE ISSUED BY AN ACCEPTED TESTING AGENCY. ALL WELDING SHALL ORMED BY WELDERS HOLDING VALLD CERTIFICATES AND HAVING CURRENT EXPERIENCE IN THE TYPE OF WELD SHOWN ON TI INGS OR NOTES. CERTIFICATES SHOLED OTHERWISE. FOR GRADE 60 REINFORCING BARS, USE E90 SERIES. ALL WELDING STADEMARK WELDERY NUCLESS INTERD OTHERWISE. FOR GRADE 60 REINFORCING BARS, USE E90 SERIES. ALL WELDING SHALL BETAKED AND AND FILL WELDS. THE DARMONN WELDING WOLEN AND AND PARIDARIN. FOR MATCH AND AND FILL WELDS. THE EXAMINES DARMING DO NOT DISTINGUES BARS, USE EVANNA ON THE AGE AND AND FILL WELDS. THE AGE AND AND FILL AND AND FILL AND AND FILL WELDS. THE AGE AND AND FILL AND	SHOWN. TEMPORARY SHORING AND BRACING M THE EXISTING STRUCTURE SHOWN ON LICENSED STRUCTURAL ENGINEER WHO DESIGN THIS TEMPORARY SHORING/B SEQUENCING CONSTRUCTION AND LATE THE STRUCTURAL COMPONENTS BY TH EARTHQUAKE, OR SOIL ARE CARRIED E ON OR LOCAL STABILITY OF OTHER EL CONSTRUCTION, THESE STABILITY ELEM ENGINEER WHO SHALL INVESTIGATE WH SHORING/BRACING. THE CONTRACTOR THEIR CONNECTIONS HAVE REFN INST THER CONNECTIONS HAVE REFN INST
MPORTANT CONSTRUCTION COMPONENT, OVER ANY STEL THE ASTM OR OTHER SPECIFICATION DESIGNATION SHALL MPORTANT CONSTRUCTION COMPONENT, OVER ANY SHOP STRENGTH BOLTS: HIGH STRENGTH BOLTS SHALL BE ASTM A325 AND SHAL HEAR PLANE (i. e. A TYPE "N" CONNECTION). BOLTS M CAL) AT ALL MOMENT FRAMES AND BRACED FRAMES. AL ING LABORATORY TO ENSURE BOLT TENSION.	MISCELLANEOUS: REFER TO ENTIRE SET OF ENGINEERIN LOCATION OF CURBS, EQUIPMENT HOU DRAINS, ANCHOR BOLTS, EMBEDDED IT CONFLICTS PRIOR TO CONSTRUCTION. THUS, 1/C5, THE INDICATED SECTION SPECIAL INSPECTION:
STEEL DECKING: ROOF DECK: DECK SHALL BE 1 1/2" DEEP, 36" WIDE, 22 GAGE PAINTED (GALVANIZED) STEEL, WITH MINIMUM YIELD STRESS OF 50 KSI, WITH MINIMUM S = 0.19 IN3 AND 1 = 0.192 IN4 PER FOOT OF WIDTH. DECK SHALL BE DEFORMED/INDENTED TO PROVIDE A MECHANICAL BOND WITH THE CONCRETE. DECK SHALL BE ERECTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AS 3 SPAN MINIMUM. DECK SHALL BE CONTINUOUSLY SHORED WHEN SPAN EXCEEDS 5 FEET. DECK SHALL BE ATTACHED FOR A MINIMUM DIAPHRAGM SHEAR CAPACITY OF 1,787 PLF USING THE FOLLOWING MINIMUM ATTACHMENTS: WELD DECK TO SUPPORTING MEMBERS WITH 7 – 1/2" DIAMETERS OR 3/8" X 3/4" PUDDLE WELDS FRE SHEET AT ENDS, END LAPS AND AT INTERMEDIATE SUPPORTS, AND AT 12" 0.C. AT PERIMETER BEAMS AND OPENING EDGES RUNNING PARALLEL TO THE DECK. SIDE SEAM ATTACHMENT SHALL BE BUTTON PUNCHES AT 12" 0.C. ALL WELDING SHALL BE PERFORMED BY WELDERS EXPERIENCED IN LIGHT GAGE STEEL DECK WORK AND A.W.S. CERTIFIED FOR LIGHT GAGE STEEL WORK. DECK WELDING MAY BE ACHEVED WITH EGO SERIES LOW HYDROGEN RODS.ALL EXPOSED WELDS SHALL BE DE-SLAGGED, CLEANED AND PRIMED BY WELDERS EXPERIENCED IN LIGHT GAGE STEEL DECK WORK AND A.W.S. CERTIFIED FOR LIGHT GAGE STEEL WORK. DECK WELDING MAY BE ACHEVED WITH EGO SERIES LOW HYDROGEN RODS.ALL EXPOSED WELDS SHALL BE DE-SLAGGED, CLEANED BY MELDERS EXPERIENCED IN LIGHT GAGE STEEL DECK WORK AND A.W.S. CERTIFIED FOR LIGHT GAGE STEEL WORK. DECK WELDING MAY BE ACHEVED WITH AND TOUCHED UP WITH PAINT. CONTRACTOR SHALL DE-SLAG AND DE-SLAGGED, CLEANED WITH ADALLED WITH AND TOUCHED UP WITH PAINT. CONTRACTOR SHALL DE-SLAG AND	PER IBC SECTION 1701, SPECIAL INSF 1. CONCRETE (CONTINUOUS) 2. BOLTS IN CONCRETE (PERIODIC) 3. REINFORCING STEEL (PERIODIC) 4. HIGH STRENGTH BOLTING (PERIODIC) 5. STRUCTURAL MASONRY (PERIODIC) 6. EXPANSION BOLTS (PERIODIC) 7. DUTIES AND RESPONSIBILITIES OF 7. DUTIES AND RESPONSIBILITIES OF 8) THE SPECIAL INSPECTOR SH DESIGN DRAWINGS AND SPEC 8) THE SPECIAL INSPECTOR SH C) UPON COMPLETION OF THE FORMS CERTIFYING THAT TO PLANS AND SPECIFICATIONS 1. FOR APPLICABLE CODES AND STAN 1. FOR APPLICABLE CODES AND STAN
N ALL PUDDLE WELDS PRIOK TO INSPECTION -ENGINEERED STRUCTURE DESIGN CRITERIA: PRE-ENGINEERED STRUCTURE MANUFACTURER SHALL BE RESPONSIBLE FOR THE ENTIRE DESIGN OF THE STRUCTURE, S ING, LATERAL ANALYSIS AND ALL RELATED WORK. THE PRE-ENGINEERED STRUCTURE SHALL BE DESIGNED TO SUPPORT SELF WEIGHT PLUS SUPERIMPOSED DEAD, LIVE, W MIC LOADING, WHICHEVER COMBINATION PRODUCES THE MOST SEVERE CONDITION, IN ACCORDANCE WITH THE LATEST MMENDATIONS OF THE METAL BUILDING MANUFACTURERS ASSOCIATION.	 VERIFY ALL DIMENSIONS WITH A&E FOR CLARITY, ALL EXTERIOR SLABS FOR CLARITY, ALL EXTERIOR SLABS SCOPE LINES, SEE A&E DRAWINGS FOR CLARITY, ALL ROOF, AND WAL AND LOCATION OF OPENINGS, SEE TYPICAL STRUCTURAL DETAILS. VEF DUCTS, ETC. WITH MECHANICAL AN DUCTS, ETC. WITH MECHANICAL ANYOR
ELECTRICAL CONDUIT IN CONCRETE SLABS: ELECTRICAL CONDUIT SHALL BE RIGID STEEL CONDUIT OR FLEXIBLE PLASTIC CONDUIT. ALUMINUM CONDUIT IS PROHIBITED. CONDUIT WITH A MAXIMUM OUTSIDE DIAMETER OF 1/6 TIMES THE SLAB THICKNESS MAY BE EMBEDDED IN ONE LAYER AT THE MID-DEPTH OF SLABS. MINIMUM CLEAR DISTANCE BETWEEN CONDUITS SHALL BE 3 TIMES CONDUIT DIAMETER. CONDUIT SHALL BE FIRMLY CHAIRED AND TIED TO PREVENT DISPLACEMENT DURING POURING. PLACE #3 AT 12 INCHES ADDITIONAL REINFORCING ABOVE AND BELOW, PERPENDICULAR TO THE CONDUIT. THE ADDED REINFORCING SHALL EXTEND 1'-O" PAST THE CONDUIT ON BOTH SIDES. FOR CONDUIT PLACED IN SLABS ON METAL DECKING, CONDUIT SHALL RUN IN THE METAL DECK FLUTES PER THE TYPICAL CONDUIT IN SLAB ON METAL DECK DETAIL. EXPANSION BOLTS:	
EXPANSION BOLTS USED IN CONCRETE SHALL BE A HILTI KWIK BOLT TZ WITH APPROVED ICC-ESR REPORT EPOXY ANCHORS IN MASONRY: ALLOWABLE EPOXY ADHESIVES USED FOR BOLT AND DOWEL INSTALLATION IN GROUTED CELL OF MASONRY SHALL BE HILTI HY-70 OR APPROVED EQUAL, THE PRODUCTS SHALL HAVE APPROVED ICC-ESR REPORT. STRUCTURAL FILL:	
ALL FILL PLACED TO SUPPORT SLABS ON GRADE, BEHIND PERMANENT WALLS, AND AROUND ALL DRAINS SHALL CONSIST OF WELL GRADED, GRANULAR MATERIAL PER THE SPECIFICATIONS. SOILS FOR STRUCTURAL FILL SHALL BE APPROVED BY THE GEOTECHNICAL GRADED, GRANULAR MATERIAL PER THE SPECIFICATIONS. SOILS FOR STRUCTURAL FILL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER. STRUCTURAL FILL SHALL BE PLACED ON SOUND NATIVE MATERIAL. PROOF-ROLL CUT AREAS WHICH PROVIDE SUPPORT FOR PERMANENT STRUCTURES. AREAS WHICH ARE EXCESSIVELY YIELDING, AS DETERMINED BY THE CONTINUOUS OBSERVATION OF THE GEOTECHNICAL ENGINEER, SHALL BE OVER-EXCAVATED AND REPLACED WITH STRUCTURAL FILL. STRUCTURAL FILL SHALL BE PLACED PER THE SPECIFICATION.	AIL C
NOTES ON CRACKING OF CONCRETE STRUCTURES: CRACKING IS INHERENT TO THE MATERIAL PROPERTIES OF CONCRETE CONSTRUCTION (INCLUDING POST-TENSIONED CONCRETE STRUCTURES). WHILE EVERY EFFORT HAS BEEN MADE TO MINIMIZE THE EFFECTS OF UNSIGHTLY CRACKING, THE PRESENCE OF CRACKS ARE NORMAL AND UNAVOIDABLE. THE DESIGN OF THE CONCRETE STRUCTURAL ITEMS HAVE BEEN ANALYZED USING A "CRACKING SECTION."THE PRESENCE OF THE CRACKING SHOULD NOT BE CONSIDERED DETRIMENTAL TO THE STRUCTURE. CRACKS LARGER THAN 20 MILS SHALL BE FILLED AND SEALED WITH AM APPROVED CRACK FILLER TO PREVENT FUTURE DETERIORATION. ALLOWANCE SHALL BE MADE IN THE CONSTRUCTION BUDGET FOR SEALING OF SUCH CRACKS. IN SOME CASE, CRACKS DO NOT APPEAR UNTIL WELL AFTER CONSTRUCTION HAS BEEN COMPLETED. IT IS THE RESPONSIBILITY OF THE OWNER TO MAINTAIN THE STRUCTURE PROPERLY OVER THE LIFE OF THE STRUCTURE. CONCRETE CRACKS, SHOULD THEY OCCUR, SHALL BE FILLED AND SEALED TO PREVENT PREMATURE DETERIORATION OF THE STRUCTURE.	TYPICAL DE TYPICAL DE PLAN NOTE PLAN NOTE PLAN NOTE PLAN NOTE PLAN NOTE PLAN NOTE CAST-IN- F
SHOP DRAWINGS: SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL ITEMS IN ADDITION TO ITEMS REQUIRED BY PROJECT SPECIFICATIONS. THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTAL. ITEMS NOT IN ACCORDANCE WITH CONTRACT DOCUMENTS SHALL BE FLAGGED UPON HIS REVIEW.	TOP TOP TOP TOP BOD BOTTOM OF TOS TOP OF STE TOW TOP OF WAL

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2012 EUTION OF THE INTERNATIONAL BUILDING CODE WITH WASHOE COUNTY AMENDMENTS General:
ENTIRE CONTRACT DOCUMENTS SHALL BE USED TO BUILD BUILDING. SOME CRITICAL ITEMS REQUIRED BY OTHER DISCIPLINES MAY NOT BE SHOWN ON STRUCTURAL DRAWING. ITEMS SHOWN BY OTHER DISCIPLINES WITH REFERENCE TO THESE DRAWING BUT NOT SHOWN IN THIS SET SHALL BE CONSIDERED
THE STRUCTURAL CONSTRUCTION DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRUCTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. THE STRUCTURE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES FOR PROCEDURE OF CONSTRUCTION, OR THE SAFETY PRECAUTIONS AND THE PROGRAMS INCIDENT THERETO (NOR SHALL OBSERVATION VISIT
TO THE SITE INCLUDE INSPECTION OF THESE ITEMS). CONTRACTOR SHALL VERIFY ALL DIMENSIONS & COORDINATE SITE CONDITIONS WITH THE DRAWINGS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES & OMISSIONS SHALL BE RESOLVED WITH THE PROJECT OWNER. DO NOT USE SCALED DIMENSIONS. WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDA.
ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR MECHANICAL, PLUMBING AND ELECTRICAL WITH APPROPRIATE TRADES, DRAWING AND SUBCONTRACTORS PRIOR TO CONSTRUCTION.
E ALL DETAILS.
NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT. ALL DIMENSIONS SHOWN (INCLUDING ELEVATIONS) ON STRUCTURAL DRAWINGS ARE TO ASSIST CONTRACTOR IN VERIFICATION. SCALING DIMENSIONS FROM DRAWINGS IS NOT PERMITTED. LOCATION OF ALL ITEMS SHALL BE DETERMINED BY DIMENSIONS OR NOTES ONLY; D NOT LISE GRAPHIC APPEARANCE TO ASSILME SPECIFIC LOCATIONS
CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS WITH DRAWINGS AND FINISHED GRADE WITH CIVIL DRAWING PRIOR TO START OF CONSTRUCTION. RESOLVE ANY DISCREPANCY WITH THE RECORD ENGINEER.
OR NOT. TYPICAL DETAILS MAY OR MAY NOT BE CUT ON PLANS, BUT APPLY UNLESS NOTED OTHERWISE. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL STRUCTURAL NOTES AND SPECIFICATIONS, THE GREATER REQUIREMENTS SHALL GOVERN.WHERE NO SPECIFIC DETAIL IS SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT. FOR BIDDING PURPOSE, WHERE ANY MEMBER OR STRUCTURE/ELEMENT SHOWN BUT NOT CALLED OUT ON THE PLANS OR DETAILS, THE LARGEST SIMILAR MEMBER OR ELEMENT USED IN THE PROJECT SHALL BE UTILIZED. ANY ENGINEERING DESIGN, PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW, SHALL BEAR THE SEAL OF AN ENGINEER REGISTERED II
DESIGN LOADS: PESIGN LOAD = 20 PSF (REDUCIBLE) ROOF LIVE LOAD = 20 PSF (REDUCIBLE) ROOF SNOW LOAD = 33 PSF DESIGN ROOF LOAD = 143 PSF (TOTAL) WIND LOAD = 130 MPH WIND SPEED WITH 3 SECOND GUST EXPOSURE = C SEISMIC DESIGN CATEGORY = D, R = 2 SOIL SITE CLASS D RISK CATEGORY II
FOUNDATIONS: THE FOUNDATION DESIGN IS BASED UPON THE PARAMETERS AND RECOMMENDATIONS IN THE GEOTECHNICAL REPORT BY PEZONELLA GEOTECHNICAL SERVICES, JOB# PG-18-001.
THE BUILDING WALL FOUNDATION IS DESIGNED FOR MAXIMUM SOIL BEARING PRESSURE = 4,000 PSF. THE SOIL UNSUITABLE FOR SUPPORTING FOUNDATION SHALL BE REMOVED AS DIRECTED BY GEOTECHNICAL ENGINEER AND BACKFILLED TO DESIGN BEARING ELEVATION WITH ENGINEERED FILL OR WITH LEAN CONCRETE. THE FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED SOIL (CONTROLLED COMPACTED FILL). FOR BOTTOM OF FOOTING ELEVATIONS, SEE
ALL BEARING SURFACES SHALL BE UNDISTURBED LEVEL AND SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF CONCRETE.
FINISHED GRADE IS DEFINED AS TOP OF SLAB FOR INTERIOR FOOTINGS AND LOWEST ADJACENT GRADE WITHIN 5 FEET FOR PERIMETER FOOTINGS. FOUNDATION EXCAVATIONS SHALL BE INSPECTED BY SOILS ENGINEER PRIOR TO PLACEMENT OF CONCRETE.
CONCRETE: MINIMUM 28 DAY STRENGTH 4,500 PSI UNLESS NOTED OTHERWISE: SLABS ON GRADE AND FOUNDATION4,500 PSI CONCRETE SLAB ON METAL DECK4,500 PSI NORMAL WEIGHT
MECHANICALLY VIBRATE ALL CONCRETE WHEN PLACED. MAXIMUM SLUMP 5" FOR CONCRETE WITHOUT PLASTICIZER. IF PLASTICIZER IS USED, A HIGHER FINAL SLUMP MAY BE ALLOWED UPON STRUCTURAL ENGINEER'S APPROVAL. CONCRETE SHALL BE FREE OF CHLORIDE, FLY ASH ADDITIVES SHALL CONFORM TO ASTM A618, CLASS F AND FLY ASH SHALL NOT
PROVIDE SLEEVES FOR UTILITY OPENINGS IN CONCRETE BEFORE CONCRETE PLACEMENT, DO NOT CUT ANY CONFLICTING REINFORCING. NO CONSTRUCTION JOINTS OTHER THAN THOSE SHOWN ON THE DRAWINGS SHALL BE INSTALLED WITHOUT APPROVAL OF THE EOR. CONCRETE SHALL NOT BE DROPPED MORE THAN FIVE FEET VERTICALLY WITHOUT USE OF TREMIES. CONCRETE FOUNDATION AND PADS MAY BE POURED AGAINST NEAT EXCAVATIONS PROVIDED THE REQUIRED CONCRETE CONCRETE FOUNDATION AND PADS MAY BE POURED AGAINST NEAT EXCAVATIONS PROVIDED THE REQUIRED CONCRETE FOUNDATION AND PADS MAY BE POURED AGAINST NEAT EXCAVATIONS PROVIDED THE REQUIRED CONCRETE FOUNDATION AND PADS MAY BE POURED AGAINST NEAT EXCAVATIONS PROVIDED THE REQUIRED CONCRETE FOUNDATION AND PADS MAY BE POURED AGAINST NEAT EXCAVATIONS PROVIDED THE REQUIRED CONCRETE FOUNDATION AND PADS MAY BE POURED AGAINST NEAT EXCAVATIONS PROVIDED THE REQUIRED CONCRETE FOUNDATION AND PADS MAY BE POURED AGAINST NEAT EXCAVATIONS PROVIDED THE REQUIRED CONCRETE FOUNDATION AND PADS MAY BE POURED AGAINST NEAT EXCAVATIONS PROVIDED THE REQUIRED CONCRETE FOURDATION AND PADS MAY BE POURED AGAINST NEAT EXCAVATIONS PROVIDED THE REQUIRED CONCRETE FOR
reinforcing is maintained. Masonry:
HOLLOW CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90, GRADE N, TYPE 1, F'm = 1,500 PSI, RUNNING BOND, MORTAR TYPE S, 1,800 PSI. GROUT 2,000 PSI. MECHANICALLY VIBRATE GROUT IN VERTICAL SPACES IMMEDIATELY AFTER POURING & AGAIN ABOUT 5 MINUTES LATER. PROVIDE CLEANOUTS IF GROUT LIFT EXCEEDS 4'-0" IN BLOCK WALLS. MAXIMUM GROUT LIFT SHALL BE 8'-0". UNLESS NOTED OTHERWISE ON THE PLANS, PLACE CONTROL JOINTS IN MASONRY WALLS SUCH THAT NO STRAIGHT RUN OF WALL EXCEEDS 24'-0". CONTROL JOINTS SHALL NOT OCCUR AT WALL CORNERS, INTERSECTIONS, ENDS, WITHIN 24" OF CONCENTRATED POINTS OF BEARING OR JAMBS, OR OVER OPENINGS UNLESS SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS. ALL MASONRY BELOW FINISHED FLOOR OR GRADE SHALL BE GROUTED SOLID. LAP SPLICES SHALL BE AS FOLLOWS:
BAR PLACEMENT #3 #4 #5 #6 SINGLE BAR PER CELL CENTERED (INCHES) 19 25 32 48 VERTICAL REINFORCING:
PLACE 1 # 5 IN CENTER OF GROUTED CELL AT CENTER OF WALL, CONTINUOUS FOR FULL HEIGHT OF WALL AT ALL CORNERS, INTERSECTIONS, WALL ENDS, BEAM BEARINGS, JAMBS, EACH SIDE OF CONTROL JOINTS AND AT INTERVALS NOT TO EXCEED 48" O.C. UNLESS NOTED OTHERWISE. TIE AT 8'-O" VERTICALLY, WITH SINGLE WIRE LOOP TIE BY A.A. WIRE PRODUCTS COMPANY. LAP SPLICES SHALL CONFORM TO THE SCHEDULE UNDER "MASONRY" SECTION. DOWEL ALL VERTICAL REINFORCING TO FOUNDATION WITH DOWELS TO MATCH SIZE AND SPACING OF VERTICAL REINFORCING.
PLACE 2 # 5 IN MINIMUM 8" DEEP GROUTED CONTINUOUS BOND BEAM AT ROOFLINE. 1 #5 IN MINIMUM 8" DEEP GROUTED CONTINUOUS BOND BEAM AT TOP OF PARAPET OR TOP OF A FREESTANDING WALL. PLACE THESE BARS CONTINUOUS THRU CONTROL JOINTS PER TYPICAL DETAIL. PROVIDE BENT BARS PER TYPICAL DETAIL. PROVIDE BENT BARS PER TYPICAL DETAILS, TO MATCH HORIZONTAL BOND BEAM REINFORCING, AT CORNERS & WALL INTERSECTION TO MAINTAIN BOND BEAM CONTINUITY. LAP SPLICES SHALL BE AS PER SCHEDULE UNDER "MASONRY" SECTION DO NOT SPLICE WITHIN 8'-O" OF CONTROL JOINTS. PLACE STANDARD WEIGHT (NO. 9 GAGE WIRE) DUR-O-WAL OR DUR-O-WIRE (OR EQUIVALENT) LADDER TYPE JOINT REINFORCEMENT AT 16" O.C. IN ALL MASONRY WALLS.

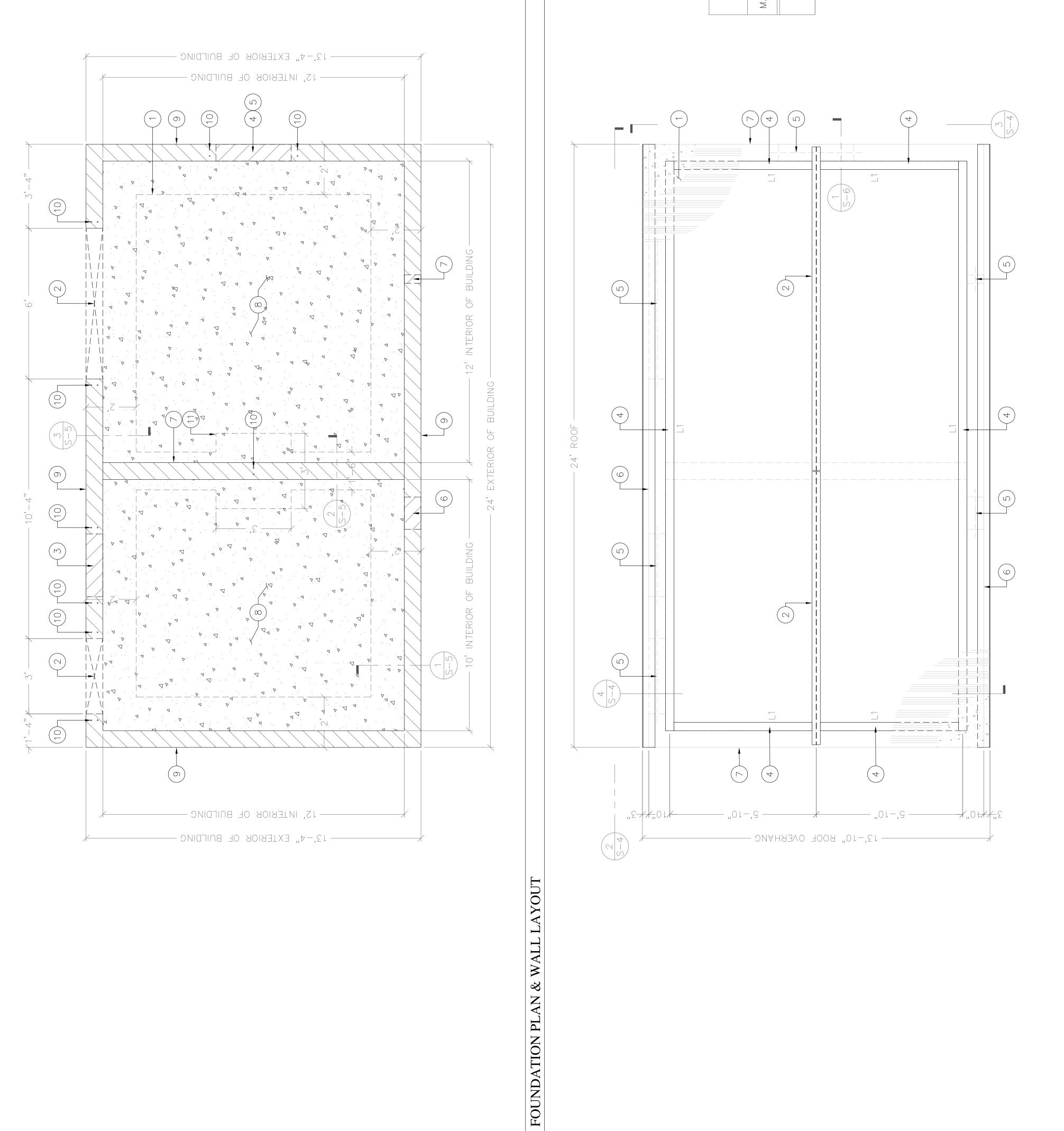
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			PHONE: (480) 213-8524 PE SEAL	Construction of the second of	C: JASON N	LEAD EE: SB LEAD CE/SE: SAM	V. DATE DESCRIPTION 7/8/18 REVISED 2/19/19 REVISED	D 2/22/19 REVISED JN E 2/25/19 FINAL CD JN F 4/2/19 REVISED CD JN	SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO COMMNET WIRELESS IS STRICTLY	SITE NAME	Fox mountain, nv			SITE ADDRESS LAT: 41°01'31.25374"N LONG: 119°33'30.09025"W 10140 A FOX MOUNTAIN ROAD GERLACH, NV 89412	sheet title MASONRY DETAIL	SHEET NUMBER
	T MID-DEPTH OF CONCRETE SLAB, WALL, PPLIES AT ALL CONSTRUCTION JOINTS OTHERWISE.	N.T.S. 2	D N N N N N N N N N N N N N N N N N N N	17 16 16 23 29 29 26 34 26		49 72 56		/UNCOATED BARS. MULTIPLY TABULATED LAP CRETE BELOW THEM.	ZETE.	SCHEDULE	REMARKS	CING	STRENGTH. MACONDY LINITS FOD 24"	REINFORCING	PROVIDE OPEN-END MASONRY UNITS AT EACH COURSE WITHIN LINTEL AND SOLID GROUT AS SHOWN BOTTOM REINFORCING	BOND BEAM
MATERIAL PRIOR DJACENT CONCRETE	NOTES: 1. LOCATE KEY AT N FOOTING, ETC. 2. THIS DETAIL APPL UNLESS NOTED OT		c (PSI) AND LAP (6000 7 CLASS B CL	22 20 18 17 16 16 29 26 25 22 20 19 23 33 31 28 25 24 28 25 24 23 31 28 33 31 28 33 31 28 33 31 28	50 51 51 74	57 83 64	90 71 66 88 88 88 88 88 88 88 88 88	60 REINFORCING STEEL/L ARS. 12" OR MORE OF CONCR	E UTILITY WEIGHT		LINTEL SIZE	2 #5 BOTTOM REINFORC	NTINUOUS POUR. Ut reaches design stre	AL V DET	AT EACH COUR: AT EACH COUR: SOLID GROUT A BOTTOM REINFO	SOLID BOTTOM UNITS TYPE A



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 EQUIPMENT SHELTER KEYED NOTES: (#) 1. WALL FOOTING (TYP.) 2. DOOR OPENING, SEE DETAIL 6 ON SHEET S-2 3. VENT OPENING, SEE DETAIL 6 ON SHEET S-2 4. EXHAUST AIR SUPPLY OPENING ABOVE, SEE DETAIL 6 ON SHEET S-2 5. EXHAUST VENT OPENING ABOVE, SEE DETAIL 6 ON SHEET S-2 6. ENTRY PORT OPENING, SEE DETAIL 6 ON SHEET S-2 7. POWER WIRE ENTRY OPENING, SEE DETAIL 6 ON SHEET S-2 8. THK. SLAB W/ #4 @ 12" O.C. EACH WAY (TYP.) 9. 8" THK. BEARING CMU WALL (TYP.) 10. (2) #5 VERTICAL BARS (TYP.) 11. 3'x3' FOOTING AT BEAM BEARING LOCATION. EXTEND WALL 	Comparing Rural America
TE: TE: RIOR TO ANY WORK, VERIFY DOOR OPENING SIZE WI GENERATOR SPECS, ADJUST THE OPENING SIZE AND I AS NECESSARY. ALSO VERIFY OTHER OPENINGS FOR EXHAUST WITH RESPECTIVE MANUFACTURER FOR SIZE LOCATIONS.	1337 E DESERT FLOWER LANE PHOENIX, AZ 85048 PHONE: (480) 213-8524
	PE SEAL
U U U U U U U	DESIGNER: JASON NGO LEAD EE: SB LEAD CE/SE: SAM
ROOF FRAMING KEYED NOTES: (#) 1. 2" CONCRETE TOPPING WITH W.W.F. 6X6 - W2.9X2.9 OVER 1-1/2" X 22 GAGE STEEL DECK PER GENERAL STRUCTURAL NOTES, TOTAL SLAB THICKNESS = 3-1/2" 2. STEEL BEAM 3. 8" THICK CMU WALL BELOW 4. L1 IS THE ANGLE LEDGER ATTACHED TO WALL 5. MASONRY LINTEL. SEE SCHEDULE FOR DETAIL 6. CLOSURE BENT PLATE PER DETAIL SHEET S-5 7. ALONG SHORT SIDES, USE 3/16" CLOSURE PLATE TO SEAL THE CONCRETE AND DECK	REV. DATE DESCRIPTION BY B 7/8/18 REVISED JN C 2/19/19 REVISED JN C 2/19/19 REVISED JN D 2/22/19 REVISED JN F 4/2/19 REVISED JN F 4/2/19 REVISED JN THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY JN NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO COMMNET WIRELESS IS STRICTLY
STEEL LEDGER (L) SCHEDULE	SITE NAME
LEDGER SIZE CONNECTION REMARKS STEEL ANGLE SEE ANCHORAGE DETAIL ON SHEET S-5	FOX MOUNTAIN, NV
	project RAW LAND BUILD
	SITE ADDRESS LAT: 41°01'31.25374"N LONG: 119°33'30.09025"W 10140 A FOX MOUNTAIN ROAD GERLACH, NV 89412
	sheet title Building Foundation & Roof Framing Plan
N ISIN	SHEET NUMBER

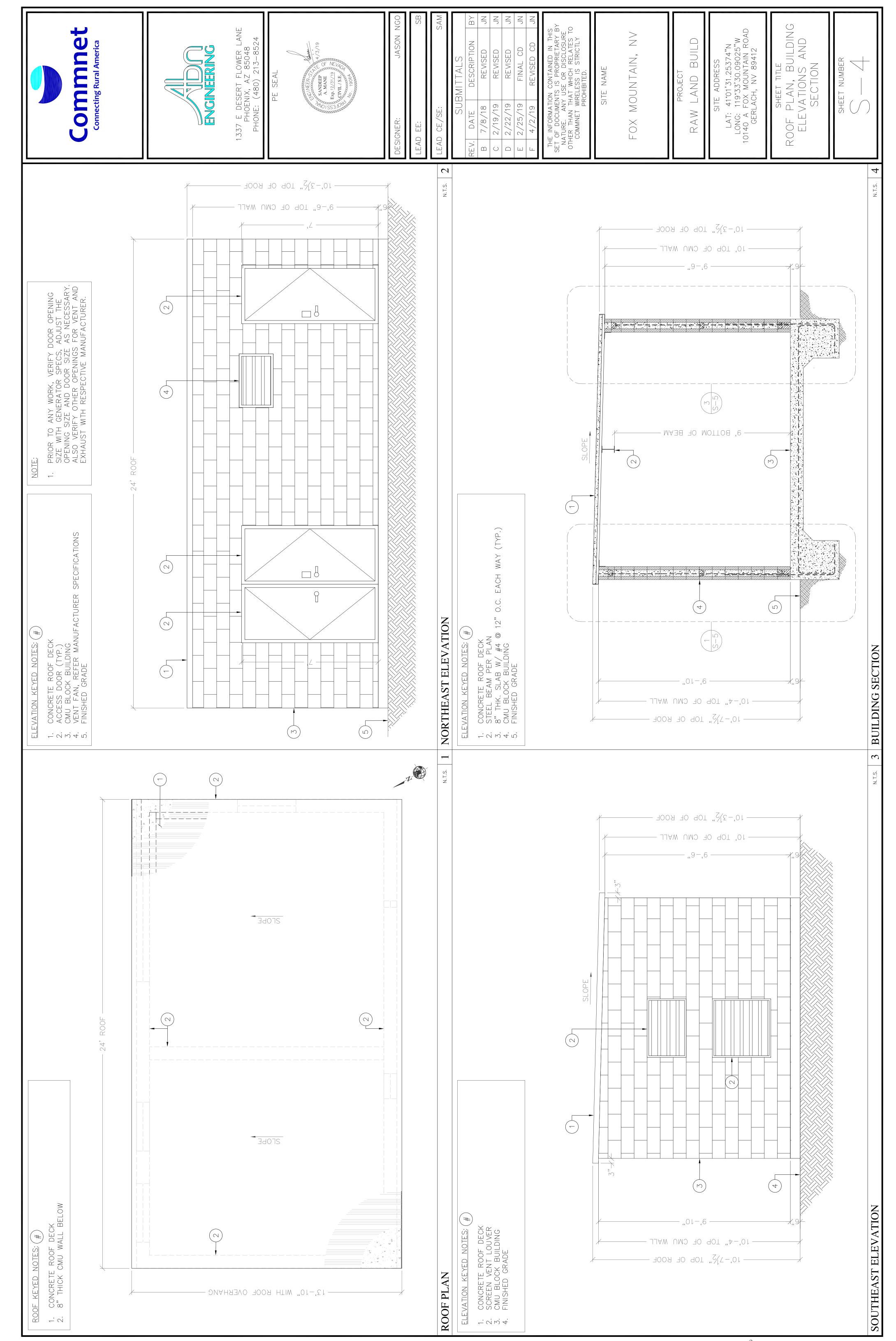




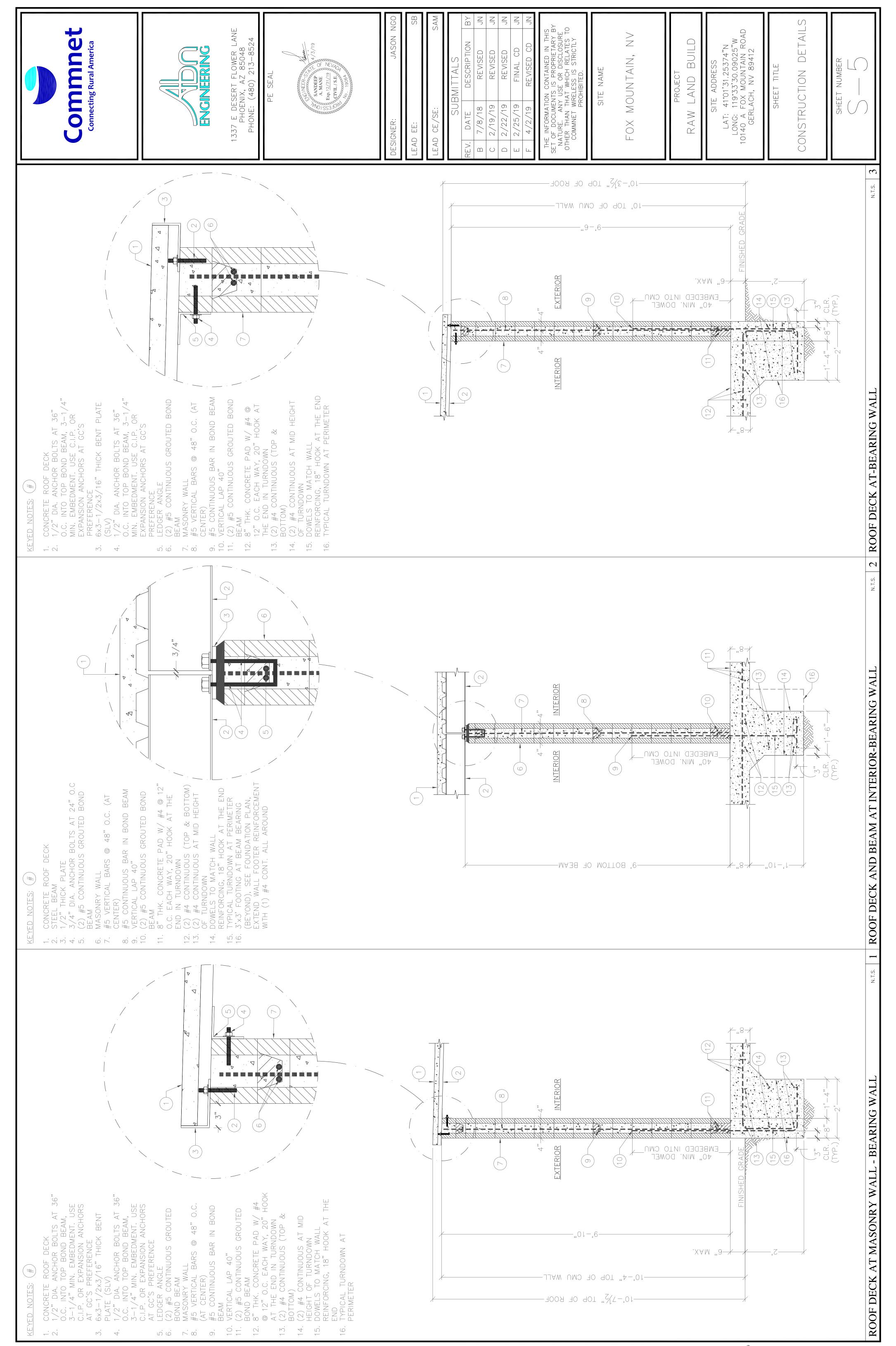
PLAN

ROOF FRAMING

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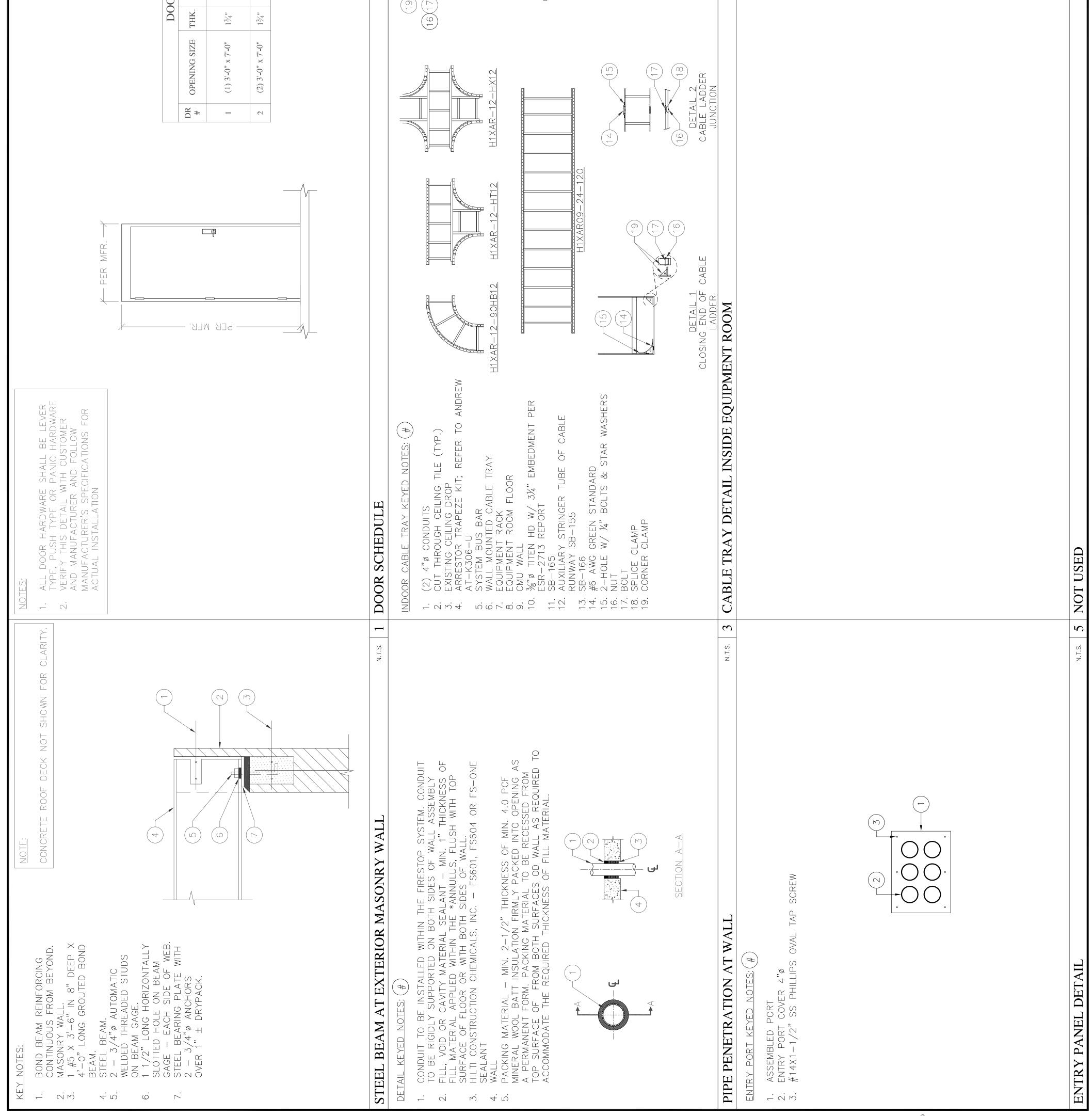


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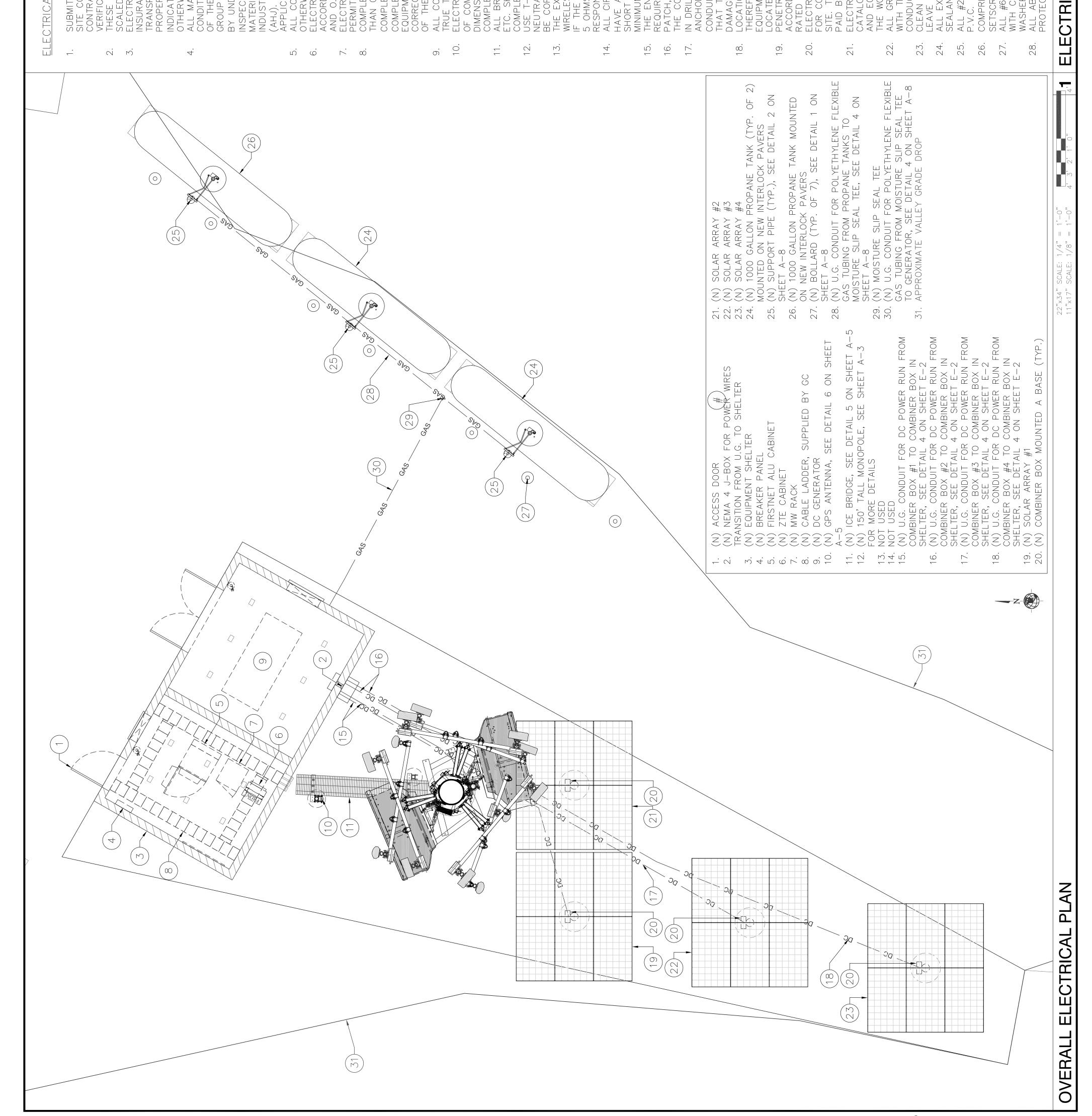
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Conecting Rural America	1337 E DESERT FLOWER LANE PHOENIX, AZ 85048 PHONE: (480) 213-8524	DESIGNER: DATA DESIGNATION NGO	LEAD EE: SB LEAD CE/SE: SAM LEAD CE/SE: SAM REV. DATE REV. DATE DATE DESCRIPTION B 7/8/18 REV. DATE D 2/19/19 REVISED JN D 2/22/19 REVISED JN F 4/2/19 REVISED JN	THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO COMMNET WIRELESS IS STRICTLY PROHIBITED. SITE NAME FOX MOUNTAIN, NV	PROJECT RAW LAND BUILD SITE ADDRESS LAT: 41°01'31.25374"N LONG: 119°33'30.09025"W 10140 A FOX MOUNTAIN ROAD GERLACH, NV 89412	SHEET TITLE CONSTRUCTION DETAILS SHEET NUMBER
		AL 4 N.T.S. 2	NOTES: 1. ALL CABLE TRAY MEASUREMENTS ARE ACCURATE WITHIN ± 14			N.T.S. 6
	OR SCHEDULEDOORMATERIALHINGETYPEDOORFRAMENEWDOORFRAMENEWCOORDINATE WITHGEARNEWCOORDINATE WITHGEARNEWCOORDINATE WITHGEAR		CONNECTING TWO CABLE LADDERS BY "T JUNCTION	SUPPORTING CABLE TRAY AT CMU WALL TRAY AT CMU		



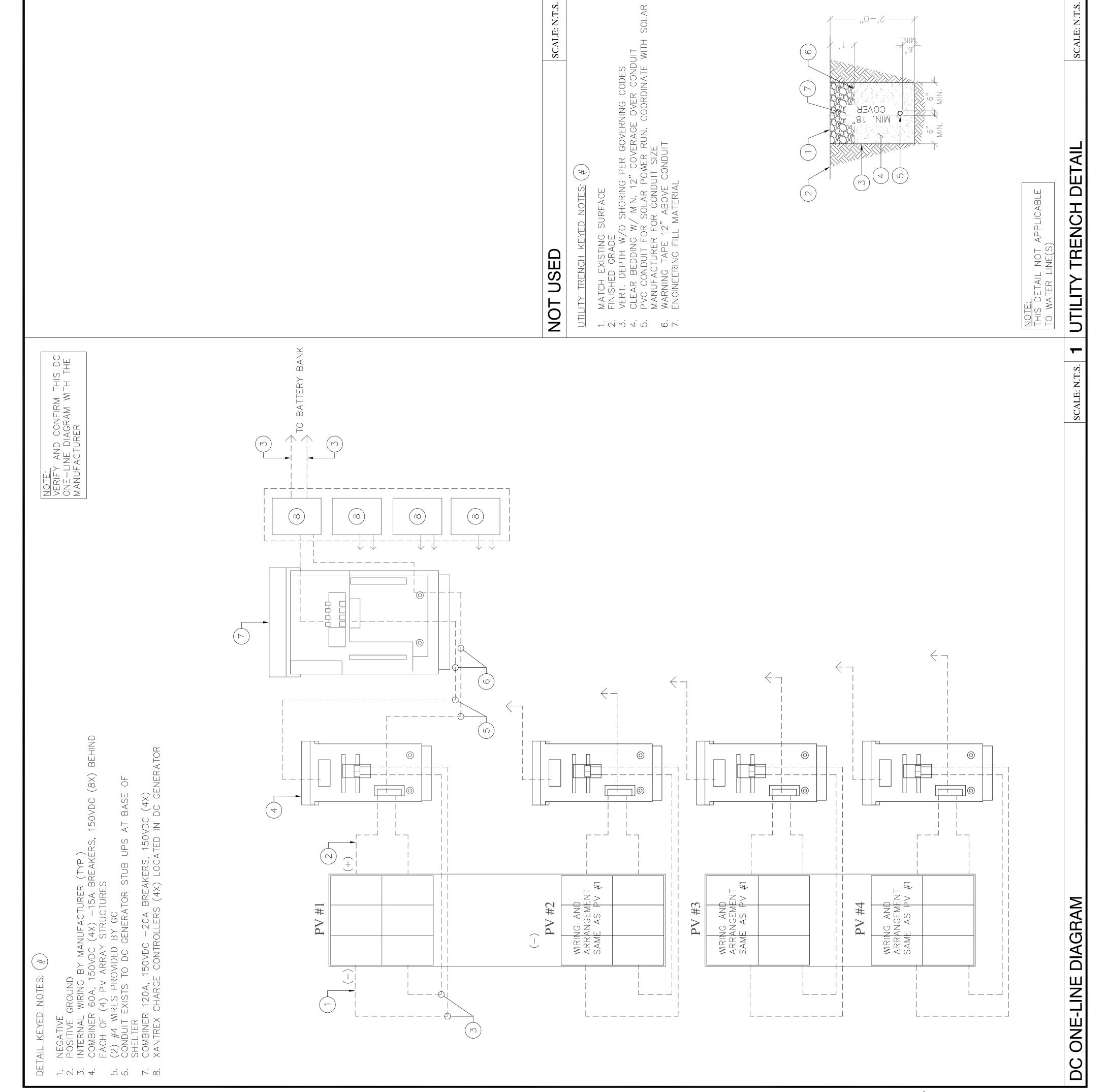
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TRICAL GENERAL NOTES: SUBMITTAL OF BID INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT. CONTRACTOR IS RESPONSIBLE FOR ALL FIELD	
HESE PLANS ARE DIAGRAMMATIC ONLY, AND ARE NOT TO BE HESE PLANS ARE DIAGRAMMATIC ONLY, AND ARE NOT TO BE CALED. LECTRICAL CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, NSURANCE, EQUIPMENT, INSTALLATION, CONSTRUCTION TOOLS, RANSPORTATION, ETC. AS REQUIRED FOR A COMPLETE AND PROPERLY OPERABLE SYSTEM ENERGIZED THROUGHOUT AND AS	Connecting Rural America
THERWISE REQUIRED. ILL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND F THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR SROUP OF EQUIPMENT. MATERIALS SHALL BE LISTED AND APPROVED SY UNDERWRITER'S LABORATORY (UL) AND SHALL BEAR THE NSPECTION LABEL "J" WHERE SUBJECT TO SUCH APPROVAL.	
ATERIALS SHALL MEET WITH APPROVAL OF THE DIVISION OF NDUSTRIAL SAFETY AND ALL GOVERNING BODIES HAVING JURISDICTION AHJ). MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH NPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA, AND NBFU. NLL CONDUIT INSTALLED SHALL BE SURFACE MOUNTED UNLESS OTHERWISE NOTED.	ENGINEERING 1337 E DESERT FLOWER LANE PHOENIX, AZ 85048 PHONE: (480) 213-8524
CCORDANCE WITH ALL GOVERNING STATE, COUNTY, LOCAL CODES ND 0.S.H.A. LECTRICAL CONTRACTOR SHALL SECURE ALL NECESSARY ELECTRICAL ERMITS, AND PAY ALL REQUIRED FEES. COMPLETE JOB SHALL BE GUARANTEED FOR A PERIOD OF NO LESS HAN ONE YEAR AFTER THE DATE OF JOB COMPLETION. DATE OF JOB COMPLETION SHALL BE THE DATE ON THE CONTRACTOR'S "NOTICE OF COMPLETION SUBMITTED TO THE OWNER. ANY WORK, MATERIAL, OR	PE SEAL PE SEAL
QUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE, UPON WRITTEN NOTIFICATION, AT THE EXPENSE IF THE ELECTRICAL CONTRACTOR. ALL CONDUIT ONLY (C.O.) SHALL HAVE A PULL WIRE OR ROPE, AND RUE TAPE. LECTRICAL CONTRACTOR SHALL PROVIDE THE OWNER WITH ONE SET IF COMPLETE ELECTRICAL "AS BUILT" DRAWINGS, SHOWING ACTUAL	EXP. 12/31/19 8 A
MENSIONS AND CIRCUITS, WITHIN 10 WORKING DAYS OF PROJECT COMPLETION. ALL BROCHURES, OPERATING MANUALS, CATALOGS, SHOP DRAWINGS, TC. SHALL BE TURNED OVER TO PROJECT MANAGER AT JOB	DESIGNER: JASON NGO LEAD EE: SB
JSE T-TAP CONNECTIONS ON ALL MULTI-CIRCUITS WITH COMMON JEUTRAL CONDUCTOR FOR LIGHTING FIXTURE. ALL CONDUCTORS SHALL SE COPPER.	LEAD CE/SE: SAM
HE EXTERIOR GROUND RING SHALL BE TESTED PER COMMNET VIRELESS SPECIFICATIONS USING A 3-POINT FALL OF POTENTIAL TEST. THE GROUNDING SYSTEM RESISTANCE TO EARTH IS GREATER THAN OHMS, THE ELECTRICAL CONTRACTOR SHALL NOTIFY THE RESPONSIBLE ENGINEER. ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AN AMP INTERRUPT RATING (AIC) NOT LESS THAN THE MAXIMUM CHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED AND A	SUBMITTALSV.DATEDESCRIP7/8/18REVISI2/19/19REVISI2/22/19REVISI
HINIMUM OF 10,000 A.I.C. He entire electrical installation shall be grounded as equired by all applicable codes.	F 2/25/19 FINAL CD JN F 4/2/19 REVISED CD JN
HE COURSE OF THE ELECTRICAL WORK. N DRILLING HOLES INTO CONCRETE (WHETHER FOR FASTENING OR NCHORING PURPOSES OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS, ETC.) IT MUST BE CLEARLY UNDERSTOOD HAT TENDONS AND REBARS WILL NOT BE DRILLED INTO, CUT, OR	THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO COMMNET WIRELESS IS STRICTLY PROHIBITED.
AMAGED UNDER ANY CIRCUMSTANCES. OCATION OF TENDONS AND REBARS ARE NOT DEFINITELY KNOWN AND HEREFORE MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND QUIPMENT VIA X-RAY, OR OTHER DEVICES THAT CAN ACCURATELY OCATE THE REINFORCING STEEL TENDONS.	site name FOX MOUNTAIN, NV
CCORDANCE WITH APPLICABLE LOCAL BUILDING CODES, USING U.L. RATED MATERIALS. LECTRICAL CONTRACTOR IS TO COORDINATE WITH UTILITY COMPANY OR CONNECTION OF TEMPORARY AND PERMANENT POWER TO THE RITE. THE TEMPORARY POWER AND ALL HOOK-UP COSTS SHALL BE	PROJECT
LECTRICAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND/OR ATALOG CUT-SHEETS ON ALL NON-SPECIFIED ORIGINAL MATERIALS IND EQUIPMENT, TO PROJECT MANAGER PRIOR TO COMMENCEMENT OF HE WORK. ALL GROUNDING SYSTEM LEADS SHALL BE TESTED FOR CONTINUITY WITH THE GROUND LOOP CONDUCTOR. ALL FAULTY CONNECTIONS OR CONDUCTORS SHALL BE REPAIRED OR REPLACED AS REQUIRED.	KAW LANU BUILU SITE ADDRESS LAT: 41°01'31.25374"N LONG: 119°33'30.09025"W 10140 A FOX MOUNTAIN ROAD GERLACH, NV 89412
EAVE WORK PREMISES IN A COMPLETE AND UNDAMAGED CONDITION. ALL EXTERIOR WALL PENETRATIONS SHALL BE SEALED WITH POLYSEAM EALANT. ALL #2 TINNED BARE COPPER DOWNLEADS TO BE PROTECTED BY ½" V.C. PIPE AND SECURED. COMPRESSION FITTINGS TO BE USED ON ALL CONDUITS (NO ETSCREWS).	SHEET TITLE OVERALL ELECTRICAL PLAN & ELECTRICAL NOTES
WITH CRIMPED DOUBLE LUG, ATTACHED WITH NUTS, BOLTS AND STAR VASHERS TYPICAL AND NO-OX GREASE BETWEEN LUG AND BUSS BAR. ALL ABOVE GROUND CONDUIT SHALL BE SCHEDULE 80 PVC WITH UV PROTECTION OR GRC.	SHEET NUMBER
TRICAL NOTES SCALE: NTS 2	



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	PE SEAL	DESIGNER: JASON NGO LEAD EE: SB LEAD CE/SE: SAM SUBMITTALS	REV.DATEDESCRIPTIONBYB7/8/18REVISEDJNC2/19/19REVISEDJND2/22/19REVISEDJNE2/25/19FINAL CDJNF4/2/19REVISED CDJNTHE INFORMATION CONTAINED IN THISSET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO COMMNET WIRELESS IS STRICTLY	site name FOX MOUNTAIN, NV	PROJECT RAW LAND BUILD SITE ADDRESS LAT: 41°01'31.25374"N LONG: 119°33'30.09025"W 10140 A FOX MOUNTAIN ROAD	SHEET TITLE SHEET TITLE ONE-LINE DIAGRAM & DETAILS	SHEET NUMBER
		ALE: N.T.S. 3					ALE: N.T.S. 5
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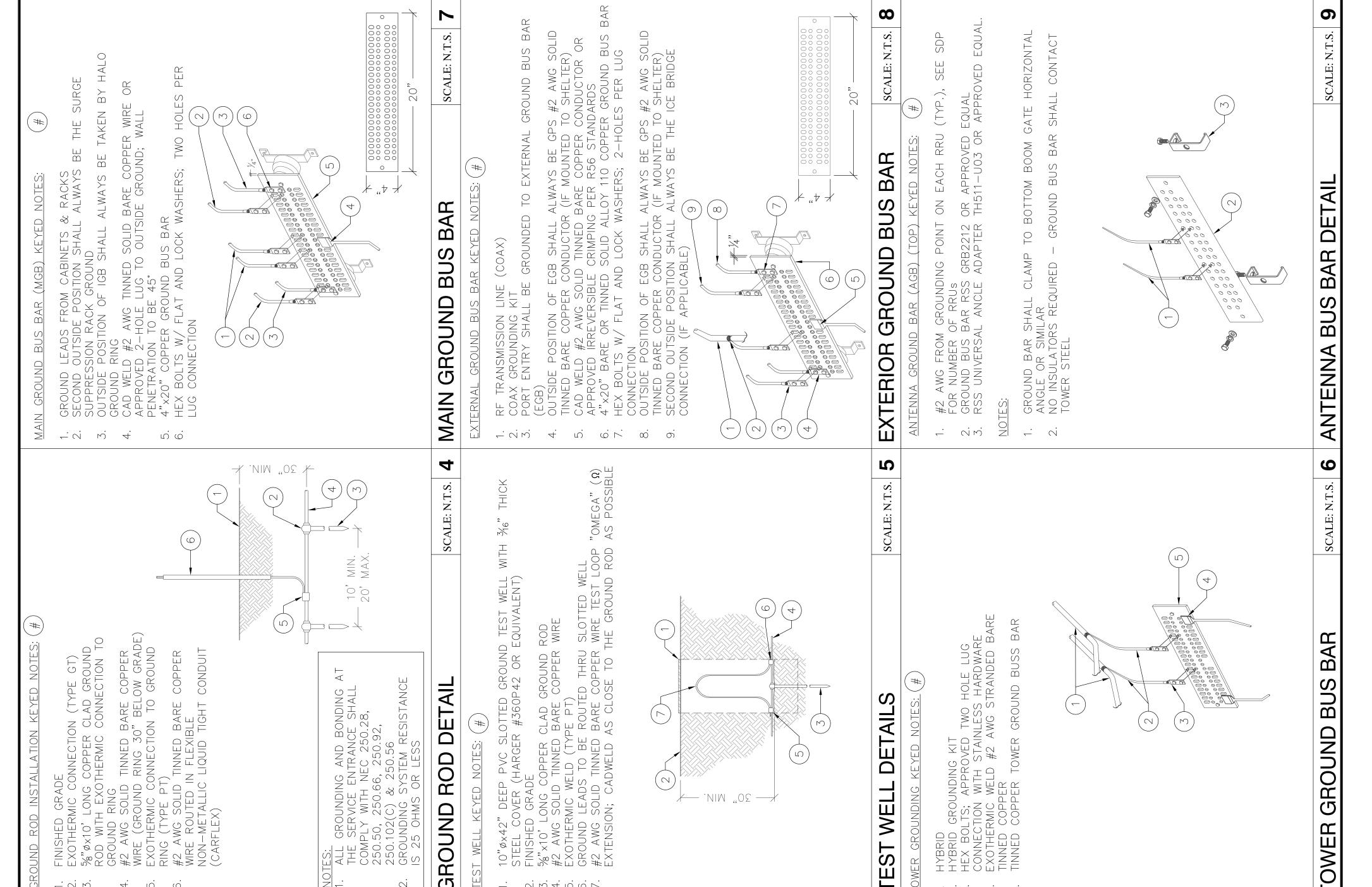
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Connecting Rural America	1337 E DESERT FLOWER LANE PHOENIX, AZ 85048 PHONE: (480) 213-8524	PE SEAL PE SEAL Processing A MANE A MANA A MANE A MANE A MANE A MANE A MANE A M	DESIGNER: JASON NGO LEAD EE: SB	UBMITTALS DESCRIPTION B REVISED	C 2/19/19 REVISED JN D 2/22/19 REVISED JN E 2/25/19 FINAL CD JN F 4/2/19 REVISED CD JN	THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO COMMNET WIRELESS IS STRICTLY PROHIBITED.	site name FOX MOUNTAIN, NV	project RAW LAND BUILD	SITE ADDRESS LAT: 41°01'31.25374"N LONG: 119°33'30.09025"W 10140 A FOX MOUNTAIN ROAD GERLACH, NV 89412	sheet title GROUNDING PLAN	SHEET NUMBER
LEGEND: TINNED SOLID ALLOY 110 COPPER TOWER BUSS BAR BONDED TO TOWER STEEL. TEST WELL, SEE DETAIL 5 ON SHEET G-2 5/8" DIA. × 10° COPPER CLAD GROUND ROD. SEE DETAIL 4 ON SHEET G-2. (TYP. OF 16)	 DTES: DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF S, BUT ARE NOT TO BE CONSIDERED FABRICATION DRAWINGS. VATE WITH OTHER TRADES, AND PROVIDE EACH SYSTEM COMPLETE, VG ALL NECESSARY COMPONENTS, FITTINGS AND OFFSETS.	SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, OUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS. SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF STEMS. TO G-2 & G-3 FOR GROUNDING DETAILS. TALLIC SURFACES SHALL BE PREPARED PRIOR TO BONDING, COLD GALV. SHALL BE USED ON ANY EXOTHERMIC WELD TO PREVENT CORROSION, EA TO BE COLD GALV. SPRAY SHALL BE TAPED OFF PRIOR TO NTION.	UCTION KEYED NOTES: (#) ING ELECTRODE CONDUCTOR SYSTEM (GROUND RING), #2 AWG SOLID NNED COPPER CONDUCTOR. GROUNDING ELECTRODE CONDUCTOR SHALL IED 30" BELOW GRADE WHERE APPLICABLE. ABOVE GRADE GROUNDING DDE CONDUCTOR TO BE ROUTED IN FLEXIBLE NON-METALLIC LIQUID	ONDUIT & FASTENED TO CONCRETE SURFACE MAX. FASTENERS SHALL BE FLEXIBLE CONDUIT HALF STRAPS * × 2" (L) RED HEAD HAMMER-SET NAIL DRIVE ANCHOR OR EQUIV. A. × 10' LONG COPPER CLAD GROUND ROD PLACED MINIMUM EVERY 10'	TETAL DOOR FRAMING TO GROUND HALO, SEE DETAIL 9 ON SHEET G-3 ELL, SEE DETAIL 5 ON SHEET G-2 2 AWG STRANDED NON-JACKETED INTERIOR GROUNDING HALO TO MAIN BAR (MGB) 2 AWG STRANDED NON-JACKETED GENERATOR ROOM GROUNDING HALO	HOE HALO BREAK LOCATION, 6" CLEARANCE MINIMUM (TYP.) ROUND BUS BAR (MGB) INSTALLED BY SHELTER MANUFACTURER R GROUND BUS BAR (EGB). BOND TO GROUND RING WITH (2) #2 AWG INNED BARE COPPER CONDUCTORS. IN ADDITION, BOND ENTRY PANEL WITH #2 AWG THHN COPPER CONDUCTOR, SEE DETAIL 8 ON SHEET	ABINETS AND MW RACK TO #2 AWG GREEN JACKET EQUIPMENT CONDUCTOR PER MANUFACTURER'S SPECS (TYP.). ABLE LADDER TO MGB WITH #6 AWG THHN COPPER CONDUCTOR (TYP.), TAIL 8 ON SHEET G-3 #2 AWG JUMPER AT CABLE LADDER CORNER (TYP.) ENERATOR TO GROUND RING PER MANUFACTURER SPECS ENT METAL FRAMING TO GROUND RING WITH #2 AWG (TYP.), SEE 10 ON SHEET G-2	<pre>kHaust vent metal framing to ground ring with #2 awg a #2 awg solid bare tinned copper conductor ground radial i shelter and pole, see detail 3 on sheet G-2 ole baseplate to ground ring at manufacturer specified ns with #2 awg solid bare tinned copper conductor (TYP. OF 3</pre>	5), SEE DETAIL 11 ON SHEET G-2 GROUND BUS BAR (TGB) TOP AND BOTTOM, SEE DETAIL 6 ON SHEET A GROUND BUS BAR (AGB) AT ANTENNA LEVEL, SEE DETAIL 9 ON 3-2 RU/RRH TO AGB (TYP.) IR HANDLER METAL FRAMING TO GROUND HALO WITH #2 AWG	COPPER CONDUCTOR (TYP.) OLAR PANEL TO GROUND RADIAL WITH #2 UND RADIAL WITH #2 AWG (TYP.) SADIAL WITH #2 AWG (TYP.), SEE DET UND RADIAL WITH #2 AWG (TYP.), SEE DET	IICALLY BOND PROPANE TANK LEG TO GROUND RADIAL WITH #2 AWG SEE DETAIL 3 ON SHEET G-3 22"x34" Scale: 1/4" = 1'-0" 4' 3' 2' 1' 0" 4' 4' 7' 2' 1' 0" 4' 4' 7' 2' 1' 0" 4' 4' 7' 7' 1' 0" 4' 7' 1' 11"x17" Scale: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' 7' 1' 1' 11"x17" Scale: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' 7' 1' 1' 11"x17" 5CALE: 1/8" 5 1'-0" 4' 3' 2' 1' 0" 5 1' 1' 1' 11"x17" 5 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1'



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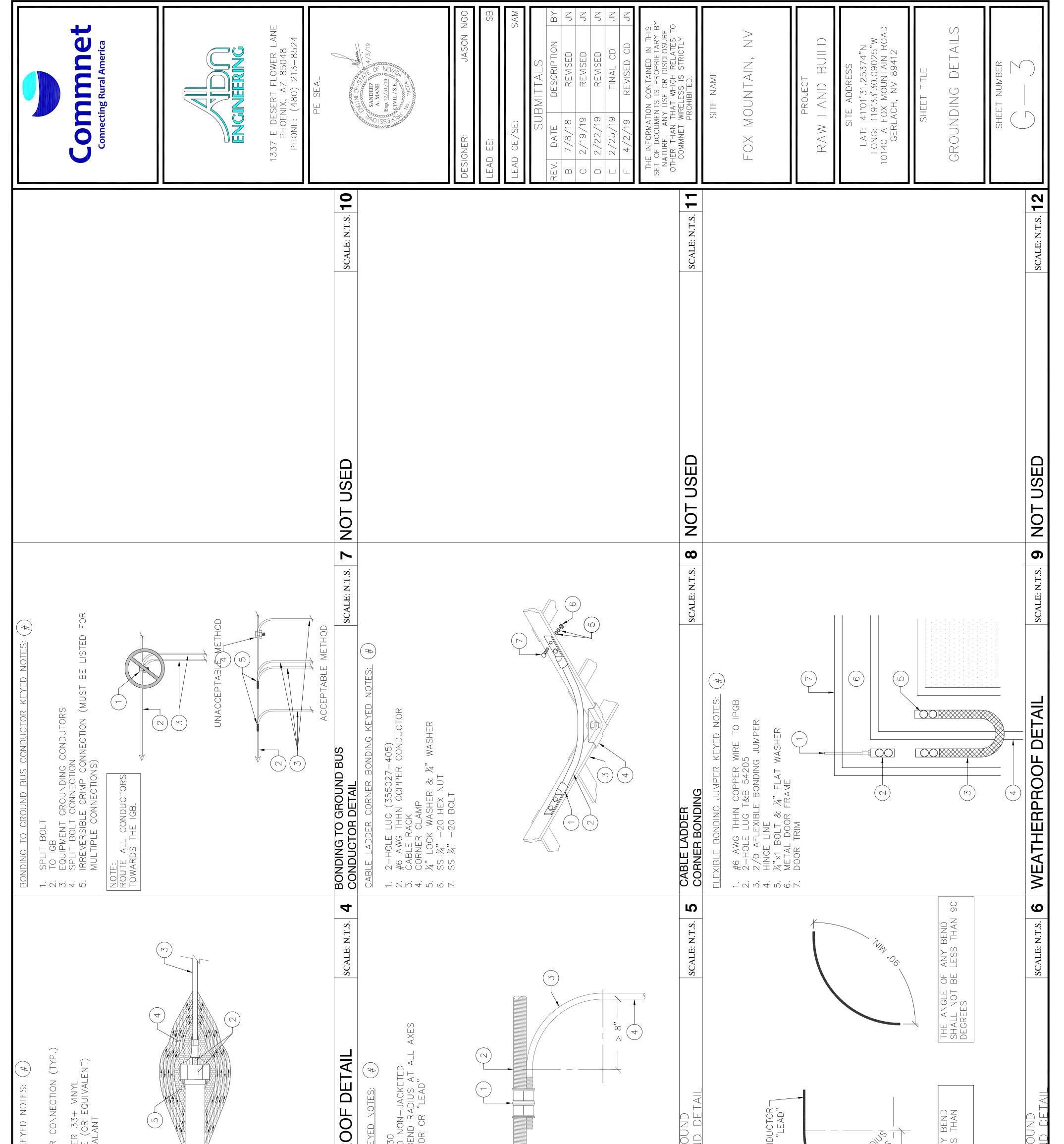
ETALLIC BONDING KEYED NOTES: SHELTER EXTERIOR METALLIC EQUIPMEN MECHANICAL BONDING CONNEC (TYPE YA-2) #2 AWG SOLID TINNED BARE (WIRE GROUND CONDUCTOR ROI FLEXIBLE NON-METALLIC LIQUII CONDUIT (CARFLEX)	Compared America
5. FASTENED CARFLEX W/ HALF STRAPS & 1/3 x 2" (L) RED HEAD HAMMER-SET NAIL DRIVE ANCHOR OR APPROVAL EQUAL APPROVAL EQUAL	
6. GROUND RING 7. EXOTHERMIC CONNECTION TO GROUND RING (TYPE PT) 8. FINISHED GRADE 6. FINISHED GRADE	
	DESER Hoenix, Ve: (48
BONDING DETAIL	PE SEAL
"SUREGROUND" GROUND KIT . "SUREGROUND" GROUND KIT . TINNED SOLID ALLOY 110 COPPER GROUND I POLE (TGB); BOND DIRECTLY TO MONOPOLE RF TRANSMISSION LINE (COAX)	A MANE SANDEEP OF A MANE A MAN
 MONOPOLE EXOTHERMIC WELD TO MANUFACTURER INSTALLED BONDING TAB (TYP.) FINISHED GRADE OUTLINE OF TOWER FOUNDATION 	DESIGNER: JASON NGO
 6. EXUTHERMIC WELD (17P.) 9. ICE BRIDGE 10. #6 AWG THHN COPPER WIRE W/ MECHANICAL CONNECTION TO EACH 110. #6 BRIDGE SECTION (TYP.) 	
 COAX CABLE AND HANGERS SUREGROUND" GROUND KIT 4X20 COPPER EXTERNAL GROUND BUS BAR (EGB) CONDITIOR ROLITED IN DVC OR FLEXIBLE NON-CONDITIONE CONDITION 	
(CARFLEX) (TYP.) (CARFLEX) (TYP.) . #2 AWG SOLID TINNED BARE COPPER WIRE TO SUPPORT POS . 0UTSIDE EDGE OF SHELTER FOUNDATION . #2 AWG SOLID TINNED BARE COPPER WIRE (GROUND RING) M	DATE DESCRIPTION /8/18 REVISED /19/19 REVISED
BELOW GRADE 18. 58"ø×10' Long Copper Clad Ground Rod (typ.) 19. not used 20. outline of equipment shelter	2/22/19 2/25/19 4/2/19 R
GROUND C	THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO COMMNET WIRELESS IS STRICTLY PROHIBITED.
. BOND BASE OF	SITE NAME
	FOX MOUNTAIN, NV
	project RAW LAND BUILD
	SITE ADDRESS LAT: 41°01'31.25374"N LONG: 119°33'30.09025"W 10140 A FOX MOUNTAIN ROAD GERLACH, NV 89412
	sheet title GROUNDING DETAILS
	SHEET NUMBER
TOWER/ICE BRIDGE DETAIL SCALE: N.T.S. 11	



KEYED NOTES: ALL GROUNDING AND THE SERVICE ENTRAN COMPLY WITH NEC 25 250.50, 250.66, 250. 250.102(C) & 250.56 GROUNDING SYSTEM F IS 25 OHMS OR LESS GROU KEYE INSTALL \sim TOWER GROUNDING WELL ·ΝΙΜ "ΟΣ — ROUND ROD TOWER ST WELL TEST GROUND NOTES: 1. ALL THE വ Ш Ņ. 4. <u>с</u>. μŊ. Ö - 0, W, 4, 10, . IS GREATER. AWG OR \mathbf{c} Υ_ N N.T.S. Ś SCALE: N.T.S. N.T. \sim E ARE EXAMPLES. STRUCTION MANAGER S PROJECT. SCALE:] SCALE: \triangleleft $\overline{\bigcirc}$. Д_ WHICHEVER I ТҮРЕ ΥΡΕ \leq DETAIL ZE CONDUCTOR SIZ AWG/MCM MCM MCM MCM MCM MCM SS \lesssim R MC SOIL SIZING LINE, V LEAST 0 Ó 0 0 ТҮРЕ ТҮРЕ 250 300 500 600 750 $- |\alpha| |\omega| + |0|$ ETAILS M WITH WIRE (-)(#) HERE THIS FROST OF AT CONDUCTOR SIZE COPPER DEPTH TO BE 30" OR 6" BELOW FRO GROUND RINGS SHOULD CONSIST OF LARGER BARE COPPER CONDUCTOR. BURY THE RINGS IN DIRECT CONTACT AØ \bigcirc S T $\forall \times$ GROUND RING TRENCHING KEYED NOTES: HOWN OR FOR TRENCH Υ $\overline{\Box}$ ТҮРЕ <u>UTIE</u> Ш \sim TYPES" SH(MANAGER BE USED \sim \leq CONDUCTOR SPECIFICATIONS DE WELD ТҮРЕ TINNED BARE CONDUCTOR LENGTH LINEAR FT GROUNDING 53 66 84 105 125 175 175 00 250 300 S T A.C \triangleleft 4 \vdash 300 HD "MOLD T' H PROJECT N MOLDS TO 33 RING \sim ТҮРЕ TYPE EXOTHERMIC 34 4 42 54 67 85 85 151 151 76 BACKFILL PER S FINISHED GRADE #2 AWG SOLID CADWELD JLT WITH P PECIFIC MO S СЦ ROUND ΥΡΕ Ш ſ GRND NOTE: ERICO CA CONSULT FOR SPEC NOTES: വ M N. Ч N ...

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International List Archite List Area International List Archite List Area International List Archite List Area International List Archite List Area International List Archite List Area International List Archite List Area International List Archite List Area International List Archite List Area International List Archite List Area International List Archite List Area International List Archite List Area International List Archite List Area International List Archite List Area International List Archite List Area International List Archite List Area International List Archite List Area International List Archite List Area International List Archite List Area International List Archite List Area International List Archite List Area International List Archite List Area International List Archite List Area International List Archite List Area International List Archite List Area International List Archite List Area International List Archite List Area International List Area International List Archite List Archite List Area International List Archite List Area International List Area International List Area International List Area International List Area International List Area International List Area Internatin List Area Internatin List Area	WEATHERPROOFING KEY 1. COAX 2. COAX TO JUMPER (3. JUMPER (TYP.) 4. 3M SCOTCH SUPER ELECTRICAL TAPE (5. VAPOR WRAP SEAL,	WEATHERPRO NEATHERPRO HALO AROUND TAP KEYE 1. C-TAP T&B #54730 2. #2 AWG STRANDED N 3. #6 GRN, 8" MIN BEN 4. GROUND CONDUCTOR		ACCEPTABLE GROU CONDUCTOR BEND GROUND CONDU	THE RADIUS OF ANY SHALL NOT BE LESS 203 MM (8 IN.) CONDUCTOR BEND
		SIZE VC S 3 BOLT VC S 3 BOLT FR (AS NOTED),	DUND BAR DF TWO EXPOSED T IN THE AREA OF URFACE OF LUG AN 8 8	4) SCALE: N.T.S. ROUTED IN RFLEX) (TYP.) (L) RED HEAD QUAL	S.T.N.
UND LU UND LU UND LU UND LU BURNDY STELE FLAT W WIRE STELE FLAT V VO ONLY 6 STELE FLAT V VO ONLY 6 STELE	YED NOTES: (#) R R NUND LUG (SEE TABLE FOR DDEL) C (CLEAR) C	BOL 3/8" - 16 3/8" - 16 3/8" - 16 3/8" - 16 1/2" - 16 1/2" - 16 1/2" - 16 1/2" COARS R OR COARS	LUG AND TO MATINU S		

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