

ADDENDUM NO. 02

for

**VENTURA COUNTY
FIRE PROTECTION DISTRICT**

**PHASE I – NEW COMMUNICATION TOWER
INSTALLATION AT**

FIRE COMMUNICATIONS CENTER (FCC)

**160 Durley Avenue
Camarillo, CA 93010**

Original Bid Due Date: April 24, 2025 (Postponed)

Revised Bid Due Date: May 01, 2024 @ 1:00 PM

Issue Date of Addendum No. 02: April 25, 2024

ADDENDUM NO. 02

DATE: April 25, 2024

PROJECT: Phase I – New Communication Tower Installation
at Fire Communications Center

REVISED BID DUE DATE: May 01, 2024 by not later than 1:00 PM

DISTRIBUTION: Prospective Bidders

The following revisions and/or clarifications shall be made part of the Bid Documents issued for this project and shall be taken into consideration when submitting bid proposals.

The following are responses to Requests for Information (RFIs) received by the posted deadline of April 16, 2024.

1. **Inquiry:** Can the structural engineer and manufacturer of an antenna tower also build to construct said antenna tower?

Reply: Yes, if they have an appropriate active contractor's license.

2. **Inquiry:** Please confirm that the tower will come pre-painted FAA orange and white.

Reply: According to the FAA permit determination referenced in Appendix 4 - FAA Permit 2024-AWP-2115-OE of the Bid Documents the tower is not required to be painted and therefore will not be pre-painted FAA orange and white.

3. **Inquiry:** Please confirm that all permits will be paid for by the County.

Reply: All permits will be paid by the Ventura County Fire Protection District.

1. Permit 1: Airport ASN: 2024-AWP-2115-OE (Approved), see Appendix 4 (Paid for by VCFD)
2. Permit 2: Crane Permit: The awarded contractor shall apply for, and obtain the Crane Permit. Awarded contractor shall be responsible for providing all necessary information to successfully obtain said permit. This permit must be obtained before the Owner allows mobilization of the crane for tower erection. This is a requirement of the Federal Aviation Administration (FAA) since the work is occurring near active airport operations. (VCFD will Pay the permit and Contractor will submit application)
3. Permit 3: VCBS Permit #C23-000798 (Approved) (Paid for by VCFD)

4. **Inquiry:** Please confirm that the County will supply all special inspections included but not limited to concrete, compaction, rebar, and break test samples.

Reply: The special inspections will be paid by Ventura County Fire Protection District but scheduling inspections will be the responsibility of the awarded contractor.

5. **Inquiry:** Will the County be supplying the tower light? If so can we get a cut sheet on what will be provided and all materials that will come with it? We need to know if it will have a S/O cord to run up the tower or if we have to run GRC up the tower with site.

Reply: The contractor shall provide the light and associated cabling and power connection. The contractor shall replace the existing light in kind and provide S/O chord accordingly.

6. **Inquiry:** Can we get a detailed location and connection point for the tower lighting and where the control box will be located?

Reply: For the purposes of this bid, S/O chord shall run down the tower from the light, across the length of the cable bridge to the existing FCC building where it shall be surface mounted to the side of the building and connecting at a 90-degree angle to the existing electrical equipment box identified on Sheet A-1.2 as Construction Note #4, near the southeast corner of the FCC building. This is approximated at 200 LF of S/O chord.

7. **Inquiry:** Will you have the tower location surveyed or is that on the contractor?

Reply: The CAD drawing with the survey will be provided but it is the contractor's responsibility to survey for final foundation elevations and tower location per plan.

8. **Inquiry:** Confirm that the waveguide bridge assembly from Tashjian as shown on S-11 is not being supplied by the County.

Reply: The waveguide bridge assembly from Tashjian as shown on S-11 is an owner-furnished item and will be supplied by Ventura County Fire Protection District.

9. **Inquiry:** There was talk of a new Microflect port being installed as well as some additional wall mounted cable bridge. Can we get the size of the port and how many feet and how wide the bridge should be please?

Reply: Reference provided Exhibit A. Six feet of additional waveguide bridge is being added that will be secured by the contractor to the existing building in the same fashion as the existing bridge portion being extended. As shown in EXHIBIT A, two new entry ports are being added, one 12 port and one 4 port. These ports will be owner-furnished and contractor-installed. Contractor responsible for associated coring of the existing 8-inch thick CMU wall for installation. Coordinate location with District prior to coring.

ADDENDUM NO. 02

The following are changes to the Bid Documents being made by the Ventura County Fire Protection District as part of this Addendum.

- A. California Contractor's License Class C51 is not required, but is an acceptable alternative to Class B noted in the bid documents, for bidding contractors.
- B. All bollards previously proposed around the tower are removed from the contract. This includes associated grounding. See Revised Plan Sheets in EXHIBIT B, accordingly.
- C. New Engineer's Estimate is \$235,400.
 - a. This accounts for the following deletions that were included in the original estimate:
 - i. Removal of all bollards and associated grounding, and
 - ii. Removal of responsibility of Contractor to provide cable bridge. District will provide this as owner-furnished contractor-installed, just like the tower.
 - b. This accounts for the following additions that were not included in the original estimate:
 - i. Add tower light, associated cabling and electrical connection, and
 - ii. Add new 12-port entry and a 4-port entry per Exhibit A along with associated cable bridge mounting and coring.
- D. The original bid due date of April 24, 2024 was postponed in Addendum No. 01.
- E. Revised Bid Opening Date shall be May 01, 2024 per this Addendum No. 02.
All bids are due on May 01 by not later than 1:00 PM.

This Addendum shall be attached to and become part of the specifications, and further, each bidder shall include this Addendum with their bid as an acknowledgement of receipt of this Addendum. The acknowledgement of receipt of this Addendum shall be taken as prima facie evidence that, prior to the submission of the bid, the bidder was fully cognizant of all provisions of the Addendum and of all work and conditions affected thereby.

Acknowledgment of this Addendum by inserting the Addendum Number and date on page 13 of 21 of the Proposal is required. Failure to do so may result in the disqualification of your bid.

Authorized by: Ventura County Fire Protection District David Kirby, Project Manager 165 Durley Avenue Camarillo, CA 93010	Approved by: Ideas Architecture, AIA C-24269 Artie Anderson, Principal, Architect of Record 1082 So. Seaward Avenue, Ventura, CA 93001 Ventura, CA 93001
By:  April 25, 2024 Signature (David Kirby) Date	By:  April 25, 2024 Signature (Arthur Anderson, AIA) Date

EXHIBIT A

For

ADDENDUM NO. 02

**VENTURA COUNTY
FIRE PROTECTION DISTRICT**

**PHASE I - NEW COMMUNICATION TOWER
INSTALLATION AT**

FIRE COMMUNICATION CENTER (FCC)

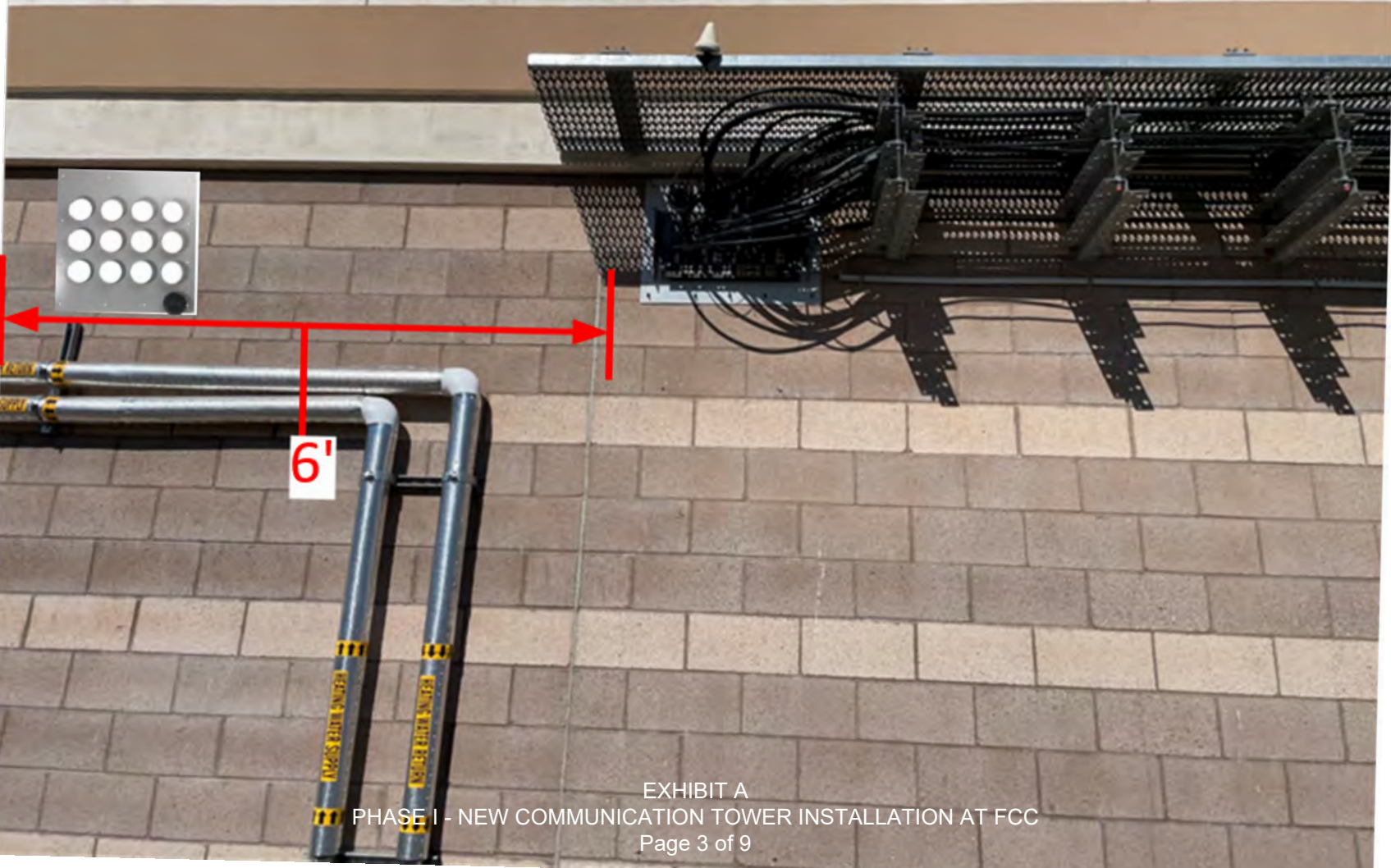
**160 Durley Avenue
Camarillo, CA 93010**

Bid Documents – Addendum No.02 – Issue Date: April 25, 2024
Ventura County Fire Protection District
Phase I – New Communication Tower Installation at Fire Communications Center
160 Durley Avenue, Camarillo, CA 93010
Bid Due Date and Time – May 01, 2024 @ 1:00 PM



EXHIBIT A
PHASE I - NEW COMMUNICATION TOWER INSTALLATION AT FCC
Page 2 of 9

Waveguide Bridge Extension and 12 Port Entry Port





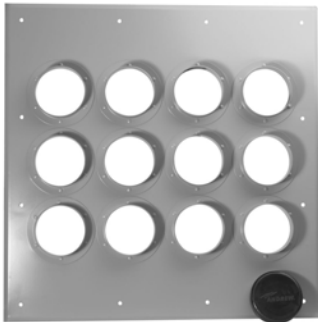
4 Port Entry Port





12 port entry port
inside building

EXHIBIT A
PHASE I - NEW COMMUNICATION TOWER INSTALLATION AT FCC
Page 5 of 9



Tweleve 4" Port Entrance Panel, 3 x 4

Product Classification

Product Type	Entrance panel
Product Brand	I-Line
Ordering Note	CommScope® non-standard product

General Specifications

Color	Gray
Entry Panel Port Size	101.6 mm 4 in
Number of Ports	12
Panel Type	Multiple

Dimensions

Height	647.7 mm 25.5 in
Width	647.7 mm 25.5 in

Material Specifications

Material Type	Aluminum
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Environmental Specifications

Weather Resistance Test Method	04AS00-03.9.0 IEC 60529:2001, IP66
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Packaging and Weights

Height, packed	698.5 mm 27.5 in
Width, packed	698.5 mm 27.5 in
Length, packed	1,778 mm 70 in

Included	Entry cap Hardware Port
Packaging quantity	1
Weight, gross	3.62 kg 7.981 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant





4 Port Entrance Panel, 1 x 4

Product Classification

Product Type	Entrance panel
Ordering Note	CommScope® non-standard product

General Specifications

Color	Gray
Entry Panel Port Size	101.6 mm 4 in
Number of Ports	4
Panel Type	Multiple

Dimensions

Height	241.3 mm 9.5 in
Width	647.7 mm 25.5 in

Material Specifications

Material Type	Aluminum
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Environmental Specifications

Weather Resistance Test Method	04AS00-03.9.0 IEC 60529:2001, IP66
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Packaging and Weights

Height, packed	668.02 mm 26.3 in
Width, packed	259.08 mm 10.2 in
Length, packed	50.8 mm 2 in
Included	Entry cap Hardware Port
Packaging quantity	1
Weight, gross	1.4 kg 3.086 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value

204673-4

ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant



Included Products

- CAP-4 – Snap-in Entry Port Cap, 4 in

EXHIBIT B

For

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**160 Durley Avenue
Camarillo, CA 93010**

Bid Documents – Addendum No.02 – Issue Date: April 25, 2024
Ventura County Fire Protection District
Phase I – New Communication Tower Installation at Fire Communications Center
160 Durley Avenue, Camarillo, CA 93010
Bid Due Date and Time – May 01, 2024 @ 1:00 PM

GENERAL NOTES

1.

CONTRACTOR MUST PERFORM WORK DURING OWNER'S PREFERRED HOURS TO AVOID DISTURBING NORMAL BUSINESS.

2.

DRAWINGS ARE NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE, AND THIS SET OF PLANS IS INTENDED TO BE USED FOR DIAGRAMMATIC PURPOSES ONLY. UNLESS NOTED OTHERWISE, THE GENERAL CONTRACTORS SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR, AND ANYTHING ELSE DEEMED NECESSARY TO COMPLETE INSTALLATIONS AS DESCRIBED HEREIN.

3.

ALL WORK PERFORMED ON PROJECT AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK.

4.

PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS INVOLVED SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE PROPOSED PROJECT, WITH THE CONSTRUCTION AND CONTRACT DOCUMENTS, FIELD CONDITIONS, AND CONFIRM THAT THE PROJECT MAY BE ACCOMPLISHED AS CONSTRUCTION AND SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY ERRORS, OMISSIONS, OR DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE DISTRICTS REPRESENTATION, DAVID KIRBY.

5.

THE GENERAL CONTRACTOR SHALL RECEIVE WRITTEN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK OF ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/CONTRACT DOCUMENTS.

6.

THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.

7.

THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO MANUFACTURER'S/VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.

8.

GENERAL CONTRACTOR SHALL PROVIDE AT THE PROJECT SITE A FULL SET OF CONSTRUCTION DOCUMENTS UPDATED WITH THE LATEST REVISIONS AND ADDENDA OR CLARIFICATIONS OR AMENDATIONS FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.

9.

CONTRACTOR SHALL SEE TO IT THAT GENERAL WORK AREA IS KEPT CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OF ANY NATURE.

10.

THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC., DURING CONSTRUCTION. UPON COMPLETION OF WORK, CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.

11.

PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA DURING CONSTRUCTION.

12.

SEAL PENETRATIONS THROUGH FIRE-RATED AREAS WITH U.L. LISTED OR FIRE MARSHAL APPROVED MATERIALS IF APPLICABLE TO THIS FACILITY AND/OR PROJECT SITE.

13.

IF EXISTING FACILITIES ARE RELATED TO THE WORK, THE CONTRACTOR SHALL NOT DISRUPT THE EXISTING SERVICES OR UTILITIES WITHOUT OBTAINING CM'S PRIOR APPROVAL AND INSTRUCTIONS IN EACH CASE.

14.

DETAILS INCLUDE HEREIN ARE INTENDED TO SHOW END RESULTS OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS OR SITUATIONS AND MODIFICATIONS SHALL BE INCLUDED AS PART OF THE SCOPE OF WORK.

15.

THE ARCHITECTS/ENGINEERS HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. CONTRACTORS BIDDING THE JOB ARE NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS, AND/OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS. THE BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE DISTRICTS REPRESENTATIVE OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED OTHERWISE.

16.

GENERAL AND/OR SUBCONTRACTOR SHALL VISIT JOB SITE PRIOR TO THE START OF ANY WORK TO VERIFY ALL DIMENSIONS AND/OR OTHER FIELD CONTINGENCIES THAT MIGHT OCCUR DURING CONSTRUCTION AND SHALL CONFORM TO LOCAL CODES REGARDLESS OF WHAT IS SHOWN OR NOT SHOWN ON THESE DRAWINGS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DISTRICTS REPRESENTATIVE, DAVID KIRBY BEFORE ANY WORKS IS DONE, THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENTS THE FINISHED STRUCTURE, UNLESS OTHERWISE SHOWN, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND DIRECT THE WORK AND SHALL BE SOLE RESPONSIBLE FOR ALL CONSTRUCTIONS MEANS, METHODS, TECHNIQUES, AND PROCEDURES.

17.

TEMPORARY PEDESTRIAN PROTECTION, AS REQUIRED, SHALL BE PROVIDED DURING CONSTRUCTION.

18.

ALL WORK UNDER ALL SECTIONS SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE HIGHEST STANDARDS OF PRACTICE RELATED TO THE TRADES INVOLVED, AND SHALL BE COMPLETE AND PROPERLY COORDINATED WITH ALL WORK ADJACENT OR RELATED TO IT.

19.

CONCEAL ALL CONDUITS IN WALLS AND CEILING, REPAIR, PATCH AND PREP FOR PAINT ALL HOLES AND DAMAGED AREAS TO MATCH EXISTING.

20.

ALL PATCHING TO MATCH TEXTURE AND MATERIAL OF EXISTING, VERIFY ON SITE. ALL PAINTING WILL BE BY OTHERS.

21.

CONTRACTOR TO VERIFY LOCATION OF ALL LIGHTING, PLUMBING IN FIELD

22.

CONTRACTOR TO PROVIDE DUST AND NOISE CONTROL AT ALL TIMES.

23.

CONTRACTOR TO SUBMIT SUBMITTAL AND SHOP DRAWINGS TO FIRE DEPARTMENT, ATTENTION DAVID KIRBY, FOR APPROVAL.

24.

DO NOT SCALE DRAWINGS, VERIFY ALL DIMENSIONS AND CONDITIONS IN FIELD. IMMEDIATELY REPORT ANY DISCREPANCIES TO THE OWNER.

25.

PROVIDE ALL NECESSARY BACKING AND BLOCKING.

26.

THE WORK OF THIS CONTRACT SHALL CONSIST OF ALL LABOR, MATERIALS, EQUIPMENT AND RELATED ITEMS NECESSARY TO COMPLETE ALL WORK AS INDICATED ON THE DRAWINGS AND SPECIFIED HEREIN.

27.

ALL WORK SHALL COMPLY WITH IN ALL RESPECTS WITH THE CALIFORNIA BUILDING CODE AND/OR STATE, COUNTY, OTHER LAWS, CODES, ORDINANCES AND REGULATIONS AS EACH MAY APPLY.

28.

THE CONTRACTOR AND SUBCONTRACTOR PARTICIPATING IN THE WORK SHALL GUARANTEE THAT ALL WORK FOR WHICH HE IS RESPONSIBLE SHALL BE FREE FROM ANY DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM THE DATE ON COMPLETION AND SHALL BE RESPONSIBLE FOR THE REPLACEMENT OR REPAIR WITHOUT ANY ADDITIONAL CHARGE FOR ALL WORK DONE OR MATERIALS FURNISHED IN ACCORDANCE WITH THIS CONTRACT THAT BECOME DEFECTIVE WITHIN ONE YEAR AFTER SUBSTANTIAL COMPLETION OF THE WORK.

29.

THE CONTRACTOR SHALL KEEP THE PREMISES FREE FROM ANY ACCUMULATION OF WASTE MATERIAL AND RUBBISH AND SURPLUS MATERIAL AND LEAVE THE PREMISES BROOM CLEAN..

30.

ALL WORK IS PREVAILING WAGE. PREVAILING WAGES SHALL APPLY...

POINT TO POINT MICROWAVE TRANSMITTER SYSTEM, UTILIZING FCC LICENSED FREQUENCIES BANDS, FOR THE VENTURA COUNTY INFORMATION SYSTEMS DEPARTMENT..

NO COMMERCIAL ENTITIES ARE AUTHORIZED TO UTILIZE THE COUNTY INFORMATION SYSTEMS DEPARTMENT NETWORK SITES, NOR CO-LOCATE WITHIN THE BUILDING OR UPON THEIR TOWER. THIS INCLUDES, BUT IS NOT LIMITED TO, CELLULAR PROVIDERS, COMMERCIAL ISP's, TELEPHONE COMPANY REPEATER ANTENNAS,

ETC.

SCOPE OF WORK

THE PROJECT CONSISTS OF THE MODIFICATION OF THE EXISTING TELECOM FACILITIES

INSTALLATION/OPERATION OF NEW 100 FOOT COMMUNICATION TOWER WITH NEW ANTENNAS AND DUAL EMERGENCY LIGHT ON TOP OF TOWER REFER TO TOWER DRAWINGS.

NEW OVER HEAD CABLE BRIDGES FROM NEW TOWER TO THE EXISTING COMMUNICATION BUILDING, WITH VERTICAL SUPPORT POSTS. REFER TO TOWER DRAWINGS

RELOCATION OF THE EXISTING ANTENNAS FROM THE EXISTING TOWER TO THE NEW TOWER

EXISTING TOWER BEING REMOVED AFTER NEW TOWER IS INSTALLED AND OPERATIONAL

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN COMPLIANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING

- CALIFORNIA ADMINISTRATIVE CODE (TITLES 24 & 25)
- CALIFORNIA BUILDING CODE, 2019 EDITION
- CALIFORNIA MECHANICAL CODE, 2019 EDITION
- CALIFORNIA PLUMBING CODE, 2019 EDITION
- CALIFORNIA ELECTRIC CODE, 2019 EDITION
- FEDERAL – OSHA

SOILS REPORT INSPECTIONS

SOILS ENGINEER TO REVIEW, APPROVE AND SIGN SITE/PLOT AND FOUNDATION PLAN TO AFFIRM CORRECTNESS CONSISTENCY WITH SOILS REPORT..
SOILS ENGINEER TO INSPECT GRADING. EARTH WORK AND FOUNDATIONS AS PER THE REQUIRED IN SOILS REPORT RYBAK PROJECT 3484, DATED 08/05/2021

SOILS ENGINEER

RYBAK GEOTECHNICAL, INC

CONSULTING ENGINEERS

16022 ARMINTA STREET, SUITE #7

VAN NUYS, CALIFORNIA 91406

CONTACT: RICHARD RYBAK

Email: rrybak@rybakgeotechnical.com

PHONE: (818) 785--0550

SITE OBSERVATION BY SOILS ENGINEER, ALL EXCAVATIONS, BOTTOM OF FOUNDATION FOOTINGS, BACK FILL, COMPACTION TO BE REVIEWED AND APPROVED BY SOILS ENGINEER PRIOR TO ANY STEEL BEING INSTALLED .

ANTENNA SCHEDULE ON 100 FT TOWER

(N) (4) 96" DIA. DISH ANTENNAS MOUNTED AT 46'–0"

(N) (2) UBUIQUITY AF24 ANTENNAS MOUNTED AT 50'–0"

(N) (4) 72" DIA. DISH ANTENNAS MOUNTED AT 55'–0"

(N) (4) 72" DIA. DISH ANTENNAS MOUNTED AT 64'–0"

(N) (12) 96" OMNI WHIP ANTENNA MOUNTED AT 70'–0"

(N) (4) 72" DIA. DISH ANTENNAS MOUNTED AT 81'–0"

(N) (12) 96" OMNI WHIP ANTENNAS MOUNTED AT 86'–0"

(N) (2) 2.4 GHz GRID ANTENNAS MOUNTED AT 91'–0"

(N) (4) 48" DIA. DISH ANTENNAS MOUNTED AT 96'–0"

(N) (2) FCC DUAL TOWER LIGHT MOUNTED AT 100'–0"

(N) (2) AXIS SECURITY CAMERAS MOUNTED AT 100'–0"

(N) (2) PHASING SIMULCAST ANTENNAS MOUNTED 100'–0"

(N) (2) 264" OMNI WHIP ANTENNAS MOUNTED AT 100'–0"

(N) (12) 96" OMNI WHIP ANTENNAS MOUNTED AT 100'–0"

THE ELEVATION, SIZE AND DIRECTION OF THE PANEL, OMNI WHIP, MICROWAVE DISH AND SIMULACAST ANTENNAS MAY BE ADJUSTED TO MEET SYSTEM NEEDS AND INTERCONNECT REQUIREMENTS.

MATRIX

ITEM	FURNISHED	INSTALLED
NEW TOWER & FOUNDATION CABLE BRIDGES & FDN	CONTRACTOR	CONTRACTOR
ANTENNAS & COAX	AGENCY	AGENCY
ALL INTERIOR WORK	AGENCY	AGENCY
ALL ELSE	CONTRACTOR	CONTRACTOR

PROJECT DATA

PROPERTY INFORMATION

APN: 2300030120

PROPERTY ADDRESS: 160 DURLEY AVENUE
CAMARILLO, CA 93010

PROPERTY OWNER: COUNTY OF VENTURA
CAMARILLO AIRPORT
800 S. VICTORIA AVE
VENTURA, CA 93009

LESSEE OWNER: VENTURA COUNTY
FIRE DEPARTMENT
165 DURLEY AVENUE
CAMARILLO, CA 93010

PROJECT INFORMATION

ZONED: AIRPORT

PARKING PROVIDED/REQUIRED: N/A

CONSTRUCTION TYPE: V-N

OCCUPANCY GROUP: GROUP U2

NO SPRINKLERS REQUIRED

NO GRADING REQUIRED

NO CHANGES FOR THE HANDICAPPED REQUIRED.

THIS PROJECT IS "NON-ACCESSABLE" AND THEREFORE, IS NOT DESIGNED TO MEET ADA AND ACCESSIBILITY REQUIREMENTS.

REPRESENTATIVES

A&E DEPARTMENT

IDEAS—Architecture

VENTURA, CALIFORNIA 93001

CONTACT: ARTHUR ANDERSON

PHONE: (8

REFER TO TOWER DRAWINGS FOR ADDITIONAL NOTES AND REQUIREMENTS – TOWER DRAWINGS SUPERCEDE ALL NOTES ON THIS SHEET

05 CONCRETE

- ALL CONCRETE FOR THE FLATWORK AND MISCELLANEOUS ITEMS SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 2500 PSI REFER TO TOWER DRAWINGS FOR CONCRETE SPECIFICATIONS.
- REINFORCING BARS SHALL BE OF INTERMEDIATE GRADE CONFORMING TO ASTM A 615, GRADE 40 FOR #2 AND #3 BARS AND GRADE 60 FOR #4 BARS AND LARGER.
- CEMENT SHALL BE TYPE II, LOW ALKALI, CONFORMING TO ASTM C-150.
- ALL AGGREGATE USED IN CONCRETE SHALL CONFORM TO ASTM C-33. MAXIMUM AGGREGATE SIZE SHALL BE 1".
- SPLICES OF REINFORCING STEEL SHALL BE LAPPED A MINIMUM OF 30 DIAMETERS AND SECURELY WIRED TOGETHER. SPLICES OF ADJACENT REINFORCING BARS SHALL BE STAGGERED WHEREVER POSSIBLE. SEE DRAWINGS FOR PARTICULAR REQUIREMENTS FOR SPLICE BREAKS. ALL BARS ARE TO BE CONTINUOUS AROUND CORNERS AND INTERSECTIONS.
- MINIMUM CONCRETE COVER FOR REINFORCING SHALL BE:
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
CAST IN FORMS AND EXPOSED TO EARTH OR WEATHER 2"
OTHER PER UNIFORM BUILDING CODE
- LOCATIONS OF SLEEVES FOR PIPES, AND FOR PIPES INTENDED TO BE CAST IN CONCRETE, FOR WHICH NO SPECIFIC DETAILS ARE SHOWN SHALL BE SUBJECT TO THE REVIEW OF THE STRUCTURAL ENGINEER.

08 STRUCTURAL STEEL

- ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36 UNLESS OTHERWISE SHOWN. MINIMUM YIELD STRENGTH SHALL BE 36,000 PSI.
- FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE STANDARD PRACTICE OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATIONS. DATED NOVEMBER 1, 1978.
- ALL STEEL FABRICATION TO BE DONE IN A SHOP APPROVED BY THE BUILDING DEPARTMENT. WELDING SHOPS MUST SUBMIT THE INFORMATION AND MEET ALL THE REQUIREMENTS OF SECTION 306 (F) OF THE UNIFORM BUILDING CODE BEFORE THEY WILL BE CONSIDERED AS APPROVED.
- STRUCTURAL STEEL FABRICATOR TO FURNISH SHOP DRAWINGS OF ALL STEEL FOR ENGINEERS APPROVAL BEFORE FABRICATION. NO FIELD MODIFICATIONS ALLOWED UNLESS APPROVED IN WRITING BY THE ARCHITECT..
- ALL WELDING SHALL BE PERFORMED BY WELDERS HAVING CURRENT WELDING CERTIFICATES. WELDING SHALL BE PERFORMED BY ELECTRIC ARC PROCESS. IN ACCORDANCE THE APPLICABLE PORTION OF THE CODE FOR ARC WELDING IN BUILDING CONSTRUCTION OF THE AMERICAN WELDING SOCIETY AS AMENDED TO DATE.
- FIELD WELDING IS DESIGNED FOR FULL STRESS. CONTINUOUS INSPECTION IS REQUIRED.
- ALL BOLTS SHALL BE UNFINISHED BOLTS CONFORMING TO ASTM A-307 OF THE SIZE SHOWN ON THE DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED ON TOWER DRAWINGS.
- USE AISC USUAL GAUGES FOR BOLTS IN ALL STEEL SECTIONS, MODIFIED AS REQUIRED BY CONDITIONS UNLESS OTHERWISE SHOWN OR NOTED.
- ALL STEEL AND CONNECTORS TO BE MIN. HOT DIPPED GALVANIZED. AND STAINLESS STEEL FINISH REQUIRED WHERE INDICTED ON DRAWINGS
- FIELD DIMENSIONS ARE TO BE TAKEN BY THE CONTRACTOR PRIOR TO FABRICATION OF STEEL BEAMS AND CONNECTORS. ACCURATE DIMENSIONS ± 1/16" ARE TO BE PROVIDED. TO FABRICATOR.
- ALL FASTENERS INCLUDING NUTS, WASHERS, BOLTS, SHEARPANEL NAILS/SCREWS, HARDWARE IN CONTACT WITH PERSERVATIVE-TREATED WOOD SHALL BE HOT-DIPPED ZINC-COATED GALV STEEL.
- REFER TO TOWER DRAWINGS FOR ADDITIONAL REQUIREMENTS WHICH SUPERCEED ALL OF THE ABOVE

01 GENERAL NOTES

- ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO THE REVIEW OF THE OWNER AND ARCHITECT..
- APPARENT DISCREPANCIES OR AMBIGUITIES ON THE DRAWINGS AND/OR SPECIFICATIONS SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH WORK.
- ALL WORK DONE UNDER THIS CONTRACT SHALL BE IN COMPLIANCE WITH THE 2016 EDITION OF THE CALIFORNIA BUILDING CODE.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DESIGN AND INSTALL ALL TEMPORARY BRACING AND SHORING TO INSURE SAFETY UNTIL THE WORK IS COMPLETED.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING WORK. THE OWNER AND ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND COORDINATING ALL DIMENSIONS. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND NON-STRUCTURAL ITEMS NOT SHOWN ON STRUCTURAL PLANS.
- ALL SCAFFOLDING AND SHORING SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE INDUSTRIAL SAFETY COMMISSION OF THE STATE OF CALIFORNIA.
- N/A
- THE CONTRACTOR IS REQUIRED TO ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT MADE TO APPLIED CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD HARMLESS THE STRUCTURAL ENGINEER FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SLOE NEGLIGENCE OF THE ARCHITECT.

SITE UTILITIES

- THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES AT THE SITE (SHOWN OR NOT SHOWN). IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK.
- THE CONTRACTOR SHALL LOCATE ALL UTILITY CONNECTIONS WITHIN 5 FT. OF THE OF THE BUILDING LINE, AND PROTECT UNTIL ALL CONNECTIONS AND TESTING ARE COMPLETED. CONTRACTOR SHALL TAG ALL CONNECTION LOCATIONS WHERE FINISH SURFACES ARE PERMANENT. (I.E. CONCRETE, A.C. PAVING ETC.)
- ALL ON-SITE UTILITIES SHALL BE INSTALLED UNDERGROUND.

02 EXCAVATING, GRADING & FILLING

- ANY EXISTING FILL IN BUILDING AREAS OR AREAS TO RECEIVE COMPACTED FILL, SHALL BE REMOVED AND REPLACED IN LAYERS AND RE-COMPACTED.
- THE GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE PROJECT SHALL BE NOTIFIED BY THE CONTRACTOR THAT GRADING IS TO COMMENCE, AND THE CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS FOR THEIR INSPECTION.
- ALL VEGETATION AND DEBRIS ON THE SURFACE SHALL BE REMOVED FROM THE SITE PRIOR TO COMMENCING EXCAVATION AND GRADING.
- BACKFILLING IN TRENCHES AND AROUND FOOTINGS SHALL BE PLACED IN 6" LAYERS AND COMPACTED WITH EITHER AIR OR GASOLINE OPERATED COMPACTING EQUIPMENT.
- RYBAK GEOTECHNICAL ENGINEERS TO DETERMINE IN FIELD ACTUAL DEPTH OF TOWER FOUNDATIONS.
- IF SEEPAGE PITS OR CESSPOOLS ARE ENCOUNTERED, DO NOT FILL UNTIL APPROVAL IS OBTAINED FROM THE GRADING INSPECTOR.
- ANY EXISTING FILL IN BUILDING AREAS OR AREAS TO RECEIVE COMPACTED FILL, SHALL BE REMOVED AND REPLACED IN LAYERS AND RE-COMPACTED.

03 FOUNDATIONS

- TOWER AND CABLE BRIDGE FOUNDATIONS FOR DEPTHS/SIZE/STEEL REFER TO TOWER DRAWINGS FOR ADDITIONAL INFORMATION SOILS ENGINEER TO DETERMINE IN FIELD FINAL FOOTING DEPTHS.
- PRIOR TO POURING CONCRETE FOUNDATIONS, ALL LOOSE EARTH, WATER, AND DEBRIS SHALL BE REMOVED FROM THE FOUNDATION BED.
- THE BOTTOM ELEVATION OF ALL FOOTINGS SHALL BE SUBJECT TO THE APPROVAL OF THE SOILS ENGINEER..
- CONTRACTOR TO PROVIDE FOR DE-WATERING OF ALL EXCAVATIONS FROM EITHER SURFACE WATER OR SEEPAGE.
- CONTRACTOR SHALL PROTECT ALL FOUNDATION EXCAVATIONS ON THE SITE FROM CAVING.

04 GROUNDING

- REFER TO ACHITECTS SHEET G-1 FOR ALL GROUNDING NOTES AND DETAILS GROUNDING TO MEET R-56 STANDARDS

DIV 1 GENERAL CONDITIONS

1.12 TESTING

- THE OWNER AND/OR ARCHITECT RESERVE THE RIGHT TO HAVE TESTS MADE WHEN DEEMED NECESSARY. SHOULD THE ARCHITECT ORDER SPECIAL TESTING OR INSPECTION OF A QUESTIONABLE PART OF THE WORK WHICH REVEALS DEFECTS NOT IN CONFORMITY WITH THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PAY THE COST OF SUCH SPECIAL TESTING OR INSPECTIONS INCLUDING THE ARCHITECT'S EXTRA SERVICES MADE NECESSARY THEREBY. OTHERWISE THE OWNER SHALL BEAR SUCH COST.
- TESTS SHALL BE MADE IN ACCORDANCE WITH RECOGNIZED STANDARDS BY A COMPETENT, INDEPENDENT TESTING LABORATORY. ANY MATERIAL FOUND DEFECTIVE OR NOT IN CONFORMITY WITH SPECIFICATION STANDARDS SHALL BE PROMPTLY REPLACED OR REPAIRED AT THE EXPENSE OF THE CONTRACTOR. SAMPLES FOR TESTING WILL BE FURNISHED BY THE CONTRACTOR AND SELECTED REQUIRED AS DIRECTED BY THE ARCHITECT.

1.13 INSPECTIONS AND CERTIFICATES OF COMPLIANCE

- THE CONTRACTOR SHALL INFORM THE FIRE DEPARTMENT OF THE REQUIRED FINAL INSPECTION AND SCHEDULE SUCH INSPECTION 24 HRS. IN ADVANCE.
- THE CONTRACTOR SHALL SIGN AND SUBMIT TO THE DEPARTMENT OF BUILDING AND SAFETY A "CERTIFICATE OF COMPLIANCE" STATING THAT THE WORK HAS BEEN PERFORMED AND MATERIALS INSTALLED ACCORDING TO THE PLANS AND SPECIFICATIONS AFFECTING NON-RESIDENTIAL ENERGY.
- BEFORE THE BUILDING MAY BE OCCUPIED, INSTALLATION CERTIFICATES FOR MANUFACTURED DEVICES REGULATED BY THE APPLIANCE STANDARDS SHALL BE ISSUED TO THE ARCHITECT, THE OWNER AND THE LOCAL BUILDING DEPARTMENT CERTIFICATES SHALL:
 - IDENTIFY FEATURES REQUIRED TO VERIFY COMPLIANCE W/ APPLIANCE STDs.
 - INCLUDE A STATEMENT INDICATING THAT THE INSTALLED DEVICES CONFORM TO THE APPLIANCE STANDARDS AND THE REQUIREMENTS FOR SUCH DEVICES IN THE PLANS AND SPECIFICATIONS APPROVED BY THE LOCAL AGENCY

1.14 MISCELLANEOUS

- CONTRACTOR SHALL PROVIDE PEDESTRIAN PROTECTION AS REQUIRED IN CBC
- THE CONTRACTOR SHALL COMPLY WITH REQUIREMENTS FOR THE STORAGE AND HANDLING OF HAZARDOUS MATERIALS AS REQUIRED BY LOCAL ORDINANCE
- THE CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS FOR CONSTRUCTION WATER. DUST SHALL BE CONTROLLED BY WATERING AS REQUIRED.
- GENERAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ARCHITECT FOR REVIEW IN ITEMS CALLED OUT AS "OR EQUAL," AND IN ACCORDANCE WITH THE PROJECT MANUAL.
- VEHICULAR ACCESS MUST BE PROVIDED AND MAINTAINED SERVICEABLE THROUGHOUT CONSTRUCTION.
- CONTRACTOR SHALL INCLUDE COST FOR ALL REQUIRED STAKING AND SURVEYING.
- CONTRACTOR SHALL PROVIDE PORTABLE TOILET DURING CONSTRUCTION PERIOD

DIV 2 SITE WORK

- SEE CONSTRUCTION DRAWINGS FOR LOCATION OF BUILDING WORKING POINTS, ROUGH GRADING, ON-SITE UTILITIES, SITE IMPROVEMENTS, SITE RETAINING WALLS.
- EXCAVATION / GRADING REQUIREMENTS:
 - THE GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE PROJECT SHALL BE NOTIFIED BY THE CONTRACTOR AND OWNER THAT GRADING IS TO COMMENCE AND MAKE ALL NECESSARY ARRANGEMENT FOR FIELD INSPECTOR.
 - AFTER THE REQUIRED EXCAVATIONS, ANY CUT AREAS IN WHICH THE EXPOSED NATURAL GROUND HAS BEEN DISTURBED SHOULD BE SCARIFIED TO A MIN. DEPTH OF 18", BROUGHT TO PROPER MOISTURE-CONTENT, AND COMPACTED TO AT LEAST 90% OF THE MAX DENSITY .
 - ALL FILL AND BACKFILL MATERIAL SHALL BE CLEAN.
 - ALL GRADING SHALL CONFORM TO LOCAL ORDINANCES AND STANDARDS.
 - FURNISH ALL EQUIPMENT, MATERIALS, AND LABOR REQUIRED TO EXECUTE THE WORK AS INDICATED ON THE DRAWINGS, AS SPECIFIED HEREIN AND AS NEEDED TO COMPLETE THE CONTRACT.
 - PROVIDE BARRICADES, LIGHTS, SIGNS AND SAFETY PRECAUTIONS REQUIRED BY GOVERNING CODES AND ORDINANCES.
 - PROVIDE DUST CONTROL.
 - A THOROUGH SEARCH SHALL BE MADE FOR UNDERGROUND UTILITIES AND STRUCTURES, ETC., WITHIN THE BUILDING SITE. CONTRACTOR SHALL REMOVE OR CAP OFF ALL SUCH ITEMS IN ACCORDANCE WITH THE ARCHITECT'S INSTRUCTIONS PERTAINING TO EACH DISCOVERY, AND AT THE CONTRACTOR'S EXPENSE. IN ALL CASES OF THIS TYPE, THE ARCHITECT SHALL BE NOTIFIED BEFORE THE WORK PROCEEDS, EXCEPTING THAT IN ANY EMERGENCY AFFECTING SAFETY OF LIFE, OR OF ADJOINING PROPERTY, THE CONTRACTOR SHALL ACT AT ONCE WITHOUT SUCH INSTRUCTIONS TO PREVENT SUCH THREATENED INJURY OR LOSS.
 - DAMAGE TO ANY ADJACENT PROPERTY, STREETS AND THE LIKE CAUSED BY OPERATIONS OF THIS SECTION SHALL BE RESTORED TO ORIGINAL CONDITION WITHOUT ADDITIONAL COST OR LIABILITY TO THE OWNER.
 - EXCAVATE TO EXACT DIMENSIONS, LEVELS, AND ALIGNMENT SHOWN ON THE DRAWINGS. REMOVE ALL MATERIALS ENCOUNTERED.
 - ALL BACKFILL SHALL BE PLACED IN ACCORDANCE TO GRADING RECOMMENDATIONS.
 - COMPACTION BY FLOODING OR JETTING IS STRICTLY PROHIBITED.
 - NO FILL MATERIALS SHALL BE PLACED, SPREAD, OR ROLLED DURING UNFAVORABLE WEATHER CONDITIONS. WHEN WORK IS INTERRUPTED BY HEAVY RAINS, FILL OPERATIONS SHALL NOT BE RESUMED UNTIL TESTS BY THE SOILS ENGINEER INDICATE THAT THE MOISTURE CONTENT AND DENSITY OF THE FILL ARE AS SPECIFIED.
 - REMOVE ALL WATER, INCLUDING RAINWATER, ENCOUNTERED DURING THE TRENCHING AND SUB-STRUCTURE WORK, TO AN APPROVED LOCATION BY THE USE OF PUMPS, DRAINS, AND OTHER APPROVED METHODS.

- REPORT ANY UNUSUAL SOIL CONDITIONS OR VARIATIONS IN THE SOIL TO THE ARCHITECT IMMEDIATELY FOR CONSULTATION AND/OR DIRECTIONS.

- ALL AREAS SHALL BE GRADED AND FILLED AS SHOWN ON THE DRAWING TO A TOLERANCE OF PLUS OR MINUS 1/10th OF ONE FOOT.

- FINISHED GRADE SHALL BE CLEAN, RAKED, LEVEL, FREE OF ROCKS, VEGETATION AND BUILDING DEBRIS. GRADE SHALL SLOPE 1/4 INCH PER FOOT AWAY FROM BUILDING, WALKS, ETC., FOR A MINIMUM OF TEN FEET AND MAINTAIN THE NATURAL GRADE. MAKE NECESSARY ADJUSTMENTS REQUIRED TO PROVIDE PROPER SITE DRAINAGE.

DIV 0 GENERAL

0.01 DIMENSIONS:

- INTERIOR PLAN DIMENSIONS ARE TO FACE OF STUD OR CONCRETE (CMU) UNLESS A CENTERLINE/GRIDLINE IS INDICATED, WHICH WILL THEN INDICATE THE DIMENSION IS TO CENTER OF ELEMENT. (COLUMN, WALL, STUD, ETC..) .
- EXTERIOR PLAN DIMENSIONS ARE TO FACE OF STUD UNLESS A CENTERLINE OR GRIDLINE IS INDICATED, WHICH WILL THEN INDICATE THE DIMENSION IS CENTER OF ELEMENT. SEE EXTERIOR DETAILS FOR ADDITIONAL INFO.
- DOOR AND CASED OPENINGS WITHOUT LOCATION DIMENSIONS ARE FOUR (4) INCHES FROM FACE OF ADJACENT PARTITION OR CENTERED BETWEEN PARTITIONS (UON).
- ALIGNMENT TAKES PRECEDENCE OVER DIMENSIONS. VERIFY ALL DIMENSIONS AND CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- EXTERIOR WINDOWS ARE DIMENSIONED TO WINDOW SIZE AS INDICATED ON WINDOW SCHEDULE. CONTRACTOR SHALL DETERMINE WINDOW ROUGH OPENING REQUIREMENTS.
- DO NOT SCALE DRAWINGS – THE CONTRACTOR SHALL USE DIMENSIONS SHOWN ON THE DRAWINGS AND ACTUAL FIELD MEASUREMENT. NOTIFY THE ARCHITECT IF ANY DISCREPANCIES ARE FOUND.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE, AND REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR INTERPRETATION AND OR CORRECTIONS PRIOR TO INSTALLATION. COST OF CORRECTING WORK BASED ON MISINTERPRETATION BY CONTRACTOR OR UNREPORTED DIMENSIONAL DISCREPANCIES SHALL BE BORNE BY THE CONTRACTOR.
- WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE ON THE DRAWINGS. LARGE SCALE DRAWINGS TAKE PRECEDENCE OVER SMALL SCALE DRAWINGS. DIMENSIONS GOVERN MEASUREMENTS.

0.02 CODES

- ALL WORK SHALL CONFORM TO APPLICABLE BUILDING CODES AND LOCAL ORDINANCES AND REGULATIONS. IN CASE OF ANY CONFLICT WHERE SPECIFIED DOES NOT EQUAL OR EXCEED THE REQUIREMENTS OF THE LAWS OR ORDINANCES, THE LAWS OR ORDINANCES SHALL GOVERN. NOTIFY THE ARCHITECT OF ALL CONFLICTS.

0.03 ABBREVIATIONS & SYMBOLS

- THROUGHOUT THE PLAN ARE ABBREVIATIONS & SYMBOLS WHICH ARE IN COMMON USE. THE LIST OF ABBREVIATIONS & SYMBOLS PROVIDED IS NOT INTENDED TO BE COMPLETE OR REPRESENTATIVE OF CONDITIONS OR MATERIALS ACTUALLY USED ON THE PROJECT. THE ARCHITECT WILL DEFINE THE INTENT OF ANY IN QUESTION.

DIV 1 GENERAL CONDITIONS

- THE ENTIRE WORK PROVIDED FOR HEREIN IS TO BE CONSTRUCTED AND FINISHED IN EVERY PART IN A GOOD AND SUBSTANTIAL MANNER IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS, TO THE FULL INTENT OF THE SAME. ANY WORK REQUIRED BY LAW, BUT WHICH MAY NOT BE SPECIFICALLY MENTIONED BY LAW, SHALL BE DONE BY CONTRACTORS IN ACCORDANCE WITH THE LAWS OF THE COUNTY, DISTRICT, OR STATE UNDER WHICH JURISDICTION MAY COME AND COST SHALL BE BORNE BY CONTRACTORS. ANY SUCH WORK SHALL BE DONE IN CONFORMANCE WITH THE PLANS, BOTH AS TO MANNER AND APPEARANCE.
- THE DRAWINGS AND SPECIFICATIONS: THESE DRAWINGS COVER THE FURNISHING AND INSTALLATION OF ALL MATERIALS AND WORK AS CALLED FOR ON THE DRAWINGS OR IN THE SPECIFICATIONS (OR IN BOTH) WHICH ARE BOUND SEPARATELY AND ARE A PART OF THE CONTRACT.
- IT SHALL BE THE RESPONSIBILITY OF EACH GENERAL AND SUB CONTRACTOR TO CHECK WITH THE ARCHITECTURAL DRAWINGS PRIOR TO SUBMITTING THEIR BID AND BEFORE INSTALLATION OF THEIR WORK. ANY DISCREPANCY BETWEEN THE ARCHITECTURAL AND THE CONSULTING ENGINEER(S) DRAWINGS SHALL BE BROUGHT TO THE DISTRICTS REPRESENTATIVE ATTENTION BY WRITTEN REQUEST FOR CLARIFICATION. ANY WORK OMITTED OR INSTALLED IN CONFLICT WITH ARCHITECTURAL DRAWINGS SHALL BE PERFORMED OR CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
- ALL SITE INFORMATION IS BELIEVED TO BE CORRECT, HOWEVER, IT IS ALL CONTRACTORS' RESPONSIBILITY TO VERIFY ALL ACTUAL SITE CONDITIONS PRIOR TO SUBMITTING A BID.
- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT, SERVICES AND TRANSPORTATION REQUIRED TO FULLY CARRY OUT THE INTENTIONS OF THE PLANS AND SPECIFICATIONS AS PART OF THE CONTRACT, WHETHER OR NOT SPECIFICALLY DOCUMENTED. THE CONTRACTOR SHALL PROVIDE EACH ITEM MENTIONED, INDICATED, OR IMPLIED TO ACHIEVE THE INTENDED BUILDING ACCORDING TO THE METHODS OF BEST CONSTRUCTION PRACTICE. THE DISTRICTS REPRESENTATIVE SHALL BE THE FINAL JUDGE AS TO THE QUALITY OF THE WORKMANSHIP, AND RESERVES THE RIGHT TO REJECT ANY WORK CONSIDERED INFERIOR.
- ALL MANUFACTURED EQUIPMENT AND MATERIALS ARE TO BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, AND ARE TO BE NEW. MANUFACTURER'S RECOMMENDATIONS SHALL BE CONSIDERED A PART OF THESE CONTRACT DOCUMENTS AS THOUGH INCLUDED HEREIN.
- CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ARCHITECT HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.
- THE CONTRACTOR SHALL MAINTAIN A COMPLETE SET OF DRAWINGS AT THE JOB SITE FOR USE IN MAKING "RECORD DRAWINGS." ANY REVISIONS SHALL BE NOTED THEREON AND SUBMITTED TO THE ARCHITECT AT THE COMPLETION OF THE JOB PER THE PROJECT MANUAL. PROVIDE A COPY FOR THE OWNER PER CONSTRUCTION DOCUMENTS
- BUILDING PERMITS:
 - BUILDING PERMITS WILL BE OBTAINED AND PAID FOR BY THE CONTRACTOR.
- COORDINATION:
 - EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION AND COORDINATION WITH OTHER CONTRACTORS TO ASSURE COMPLIANCE WITH DRAWINGS AND SPECIFICATIONS, AND THE ACCURATE LOCATION OF STRUCTURAL MEMBERS AND OPENINGS FOR MECHANICAL, ELECTRICAL, STAIRS, ELEVATORS AND MISCELLANEOUS EQUIPMENT.
 - THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK.

FCC

COMMUNICATIONS SITE
NEW 100 FT TOWER
160 DURLEY AVENUE
CAMARILLO, CA 93010
COUNTY OF VENTURA
CALIFORNIA

PROJECT INFORMATION:

VENTURA COUNTY
FIRE PROTECTION
DEPARTMENT

CURRENT ISSUE DATE:

09/19/22

ISSUED FOR:

CONSTRUCTION

REV.:DATE:DESCRIPTION:BY:

Δ	04/12/2023	REVISED PER SURVEY
Δ	05/27/2023	REVISED PER SURVEY
Δ	03/05/2024	BID SET
Δ	04/24/2024	REVISED NEW BOLLARDS REMOVED

PLANS PREPARED BY:

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LICENSED ARCHITECT
C-24269
ARTHUR ALLEN ANDERSON
02-2025
RENEWAL DATE
STATE OF CALIFORNIA
04-24-2024

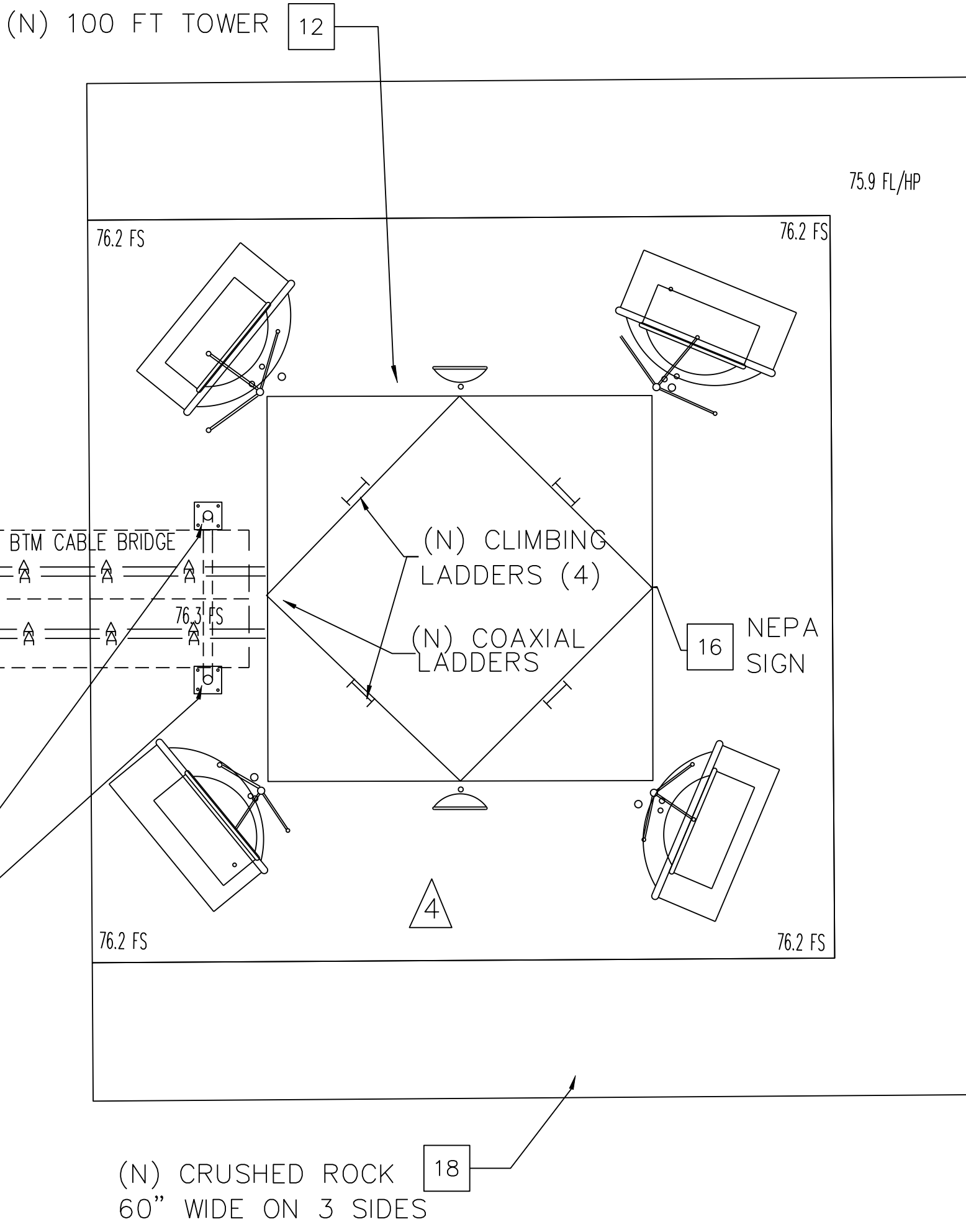
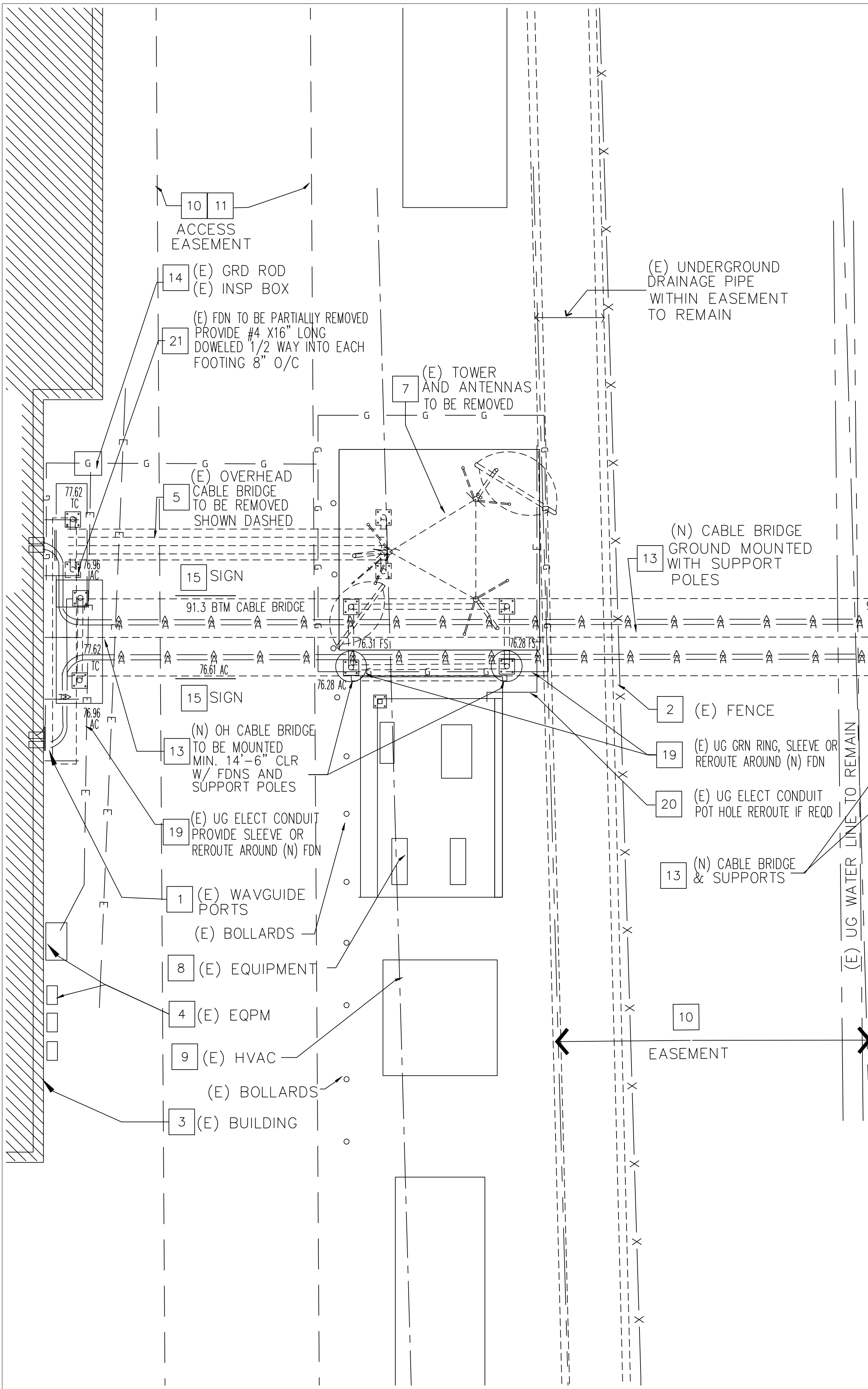
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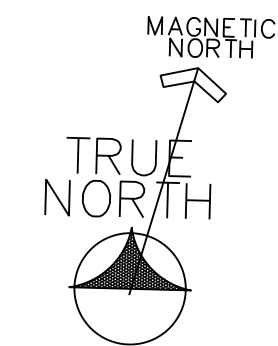


REFERENCE NOTES

(N) NEW (E) EXISTING (D) DEMO (RL) RELOCATE
VENTURA COUNTY I.S.D. TO PROVIDE AND REINSTALL ALL ANTENNA COAXES TO (E) RADIO EQUIPMENT FROM (E) ANTENNAS GROUND WIRES FROM BUS BAR AT BUILDING TO ANTENNAS GROUND WIRES FROM INTERIOR BUS BAR TO RADIO EQUIPMENT. CONTRACTOR TO PROVIDE AND INSTALL ALL OTHER GROUNDING AND ALL GROUND BUSS BARS

- 1 (E) WAVE GUIDE ENTRY PORT AT BUILDING.
- 2 (E) CHAIN-LINK FENCE WITH GATES TO REMAIN
- 3 (E) BUILDING TO REMAIN
- 4 (E) ELECTRICAL EQUIPMENT TO REMAIN
- 5 (E) CABLE TRAY TO BE REMOVED, (E) ANTENNA COAX TO BE RELOCATED
- 6 (E) ELECTRICAL GENERATOR ON CONCRETE SLAB
- 7 (E) LATTICE TOWER WITH (E) ANTENNAS TO BE REMOVED AND RELOCATE ANTENNAS TO NEW TOWER AFTER NEW TOWER AND CABLE BRIDGE ARE INSTALLED AND OPERATIONAL
- 8 (E) EQUIPMENT SHED AND PIPING TO REMAIN
- 9 (E) HVAC UNIT TO REMAIN
- 10 (E) EASEMENT TO REMAIN SURVEY BEFORE YOU DIG
UNRESTRICTED ACCESS 12' WIDE EASEMENT EXTENDING FROM PUBLIC ROAD TO THE LEASED PREMISES THAT MAY BE USED INGRESS AND EGRESS TO THE LEASED PREMISES, (7) DAYS A WEEK (24) HOURS A DAY, ON FOOT OR MOTOR VEHICLE, INCLUDING TRUCKS. THE UNRESTRICTED ACCESS AREA MAY ALSO BE USED FOR THE INSTALLATION AND MAINTENANCE OF ALL REQUIRED UTILITY WIRES, POLES, CABLES, CONDUITS, AND PIPES EXTENDING FROM THE NEAREST PUBLIC RIGHT-OF-WAY, TO THE LEASED PREMISES.
- 11 (N) 100' HIGH LATTICE TOWER WITH ANTENNAS AND DUAL EMERGENCY LIGHT ON TOP (1" CONDUIT FROM BLDG PANEL) REFER TO TOWER DRAWINGS FOR CONSTRUCTION AND ERECTION DETAILS ANTENNAS PROVIDED AND INSTALLED BY V.C. - I.S.D.
- 12 (N) CABLE BRIDGE ATTACHED TO STEEL PIPE COL'S 14'-6" CLEARANCE REQD BELOW THE BOTTOM OF TRUSS REFER TO TOWER DRAWINGS FOR ALL DETAILS AND FOUNDATIONS
- 13 (E) GROUND INSPECTION BOX WITH GROUND RODS REFER TO SHEET G-1 FOR DETAILS
- 14 (RL) (E) METAL SIGNS MOUNDED TO CABLE BRIDGE TO NEW BRIDGE "CAUTION 12'-6" CLEARANCE" LETTERING ON BOTH SIDES OF BRIDGE
- 15 (N) N.E.P.A. CAUTION SIGNS PLACED ON TOWER AND ON FRONT GATE TO FACILITY REFER TO DETAILS A-2.2
- 16 NOT USED A
- 17 (N) 3/4" CRUSHED ROCK 3" THICK REFER TO SHEET C-1 60" ON THREE SIDES OF TOWER FOR DRAINAGE
- 18 (E) UG ELECT CONDUIT OR UG GRD WIRE AT (N) CONC FND PROVIDE (N) SLEEVE OR REROUTE AROUND (N) CONCRETE FTG
- 19 (E) UG ELECT CONDUIT AT (N) CONC FOUNDATION PROVIDE (N) POT HOLE TO VERIFY CONDUIT LOCATION PROVIDE (N) SLEVE OR REROUTE AROUND (N) CONCRETE FTG
- 20 (E) CONC FOUNDATION FOR BRIDGE SUPPORTS TO BE PARTIALLY REMOVED FOR NEW BRIDGE FOOTING PROVIDE #4 X 16" LONG REBARS DOWELED INTO EACH FOOTING 8" MIN SPACED 8" O/C
- 21

REFER TO SHEET A-1.3 FOR DIMENSION PLAN



DETAILED SITE PLAN

SCALE: 1/4" = 1'-0"

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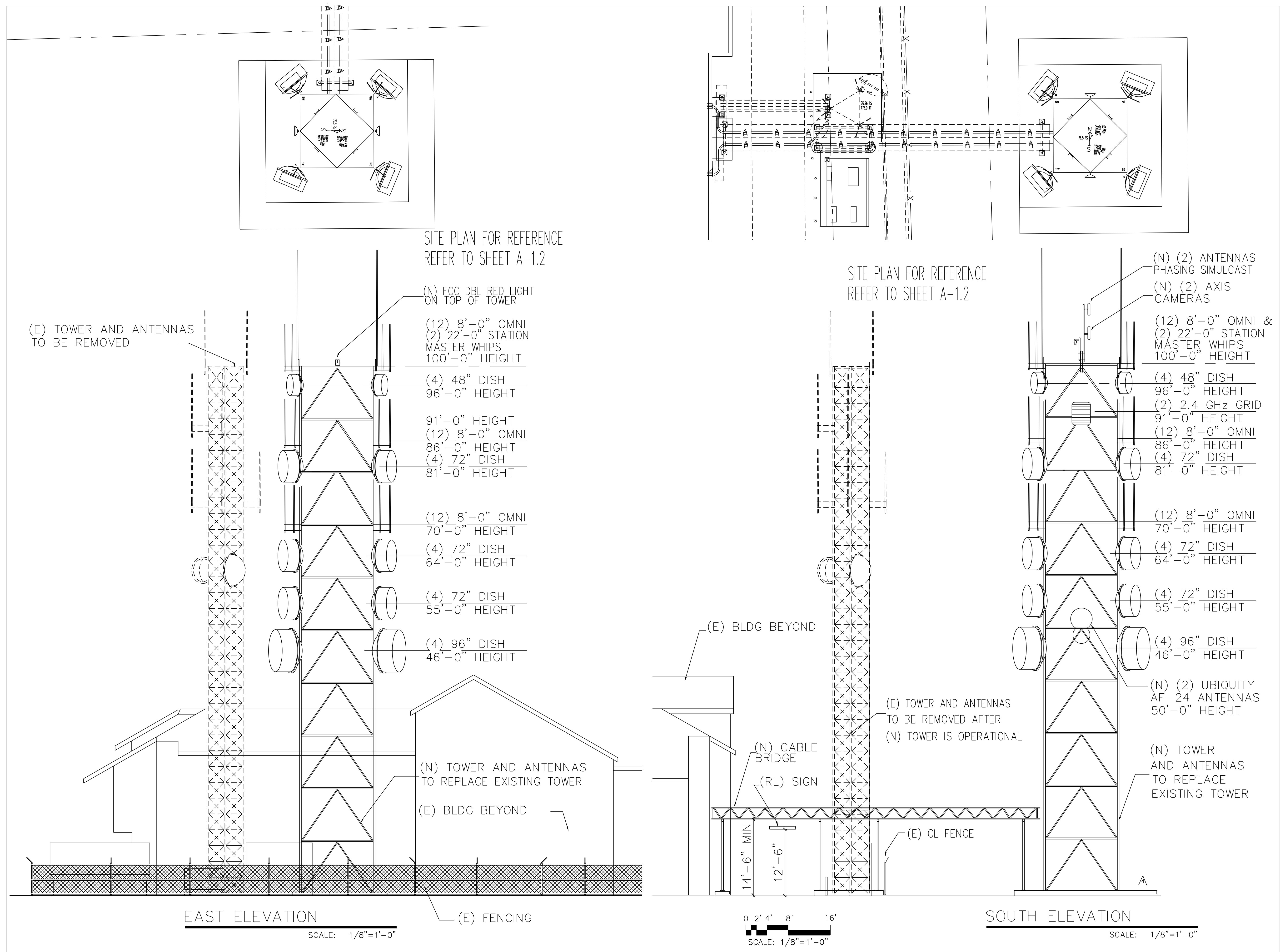
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DETAILED
SITE PLAN

SHEET NUMBER:

A-1.2

REVISION:



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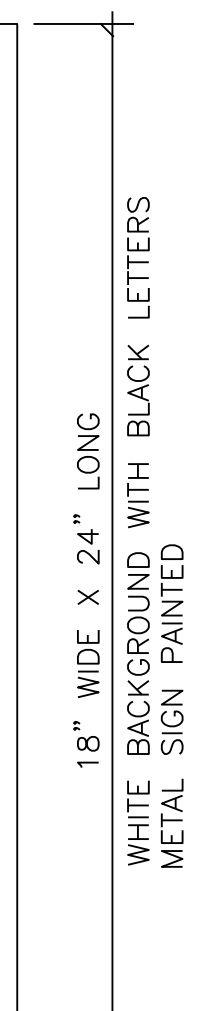
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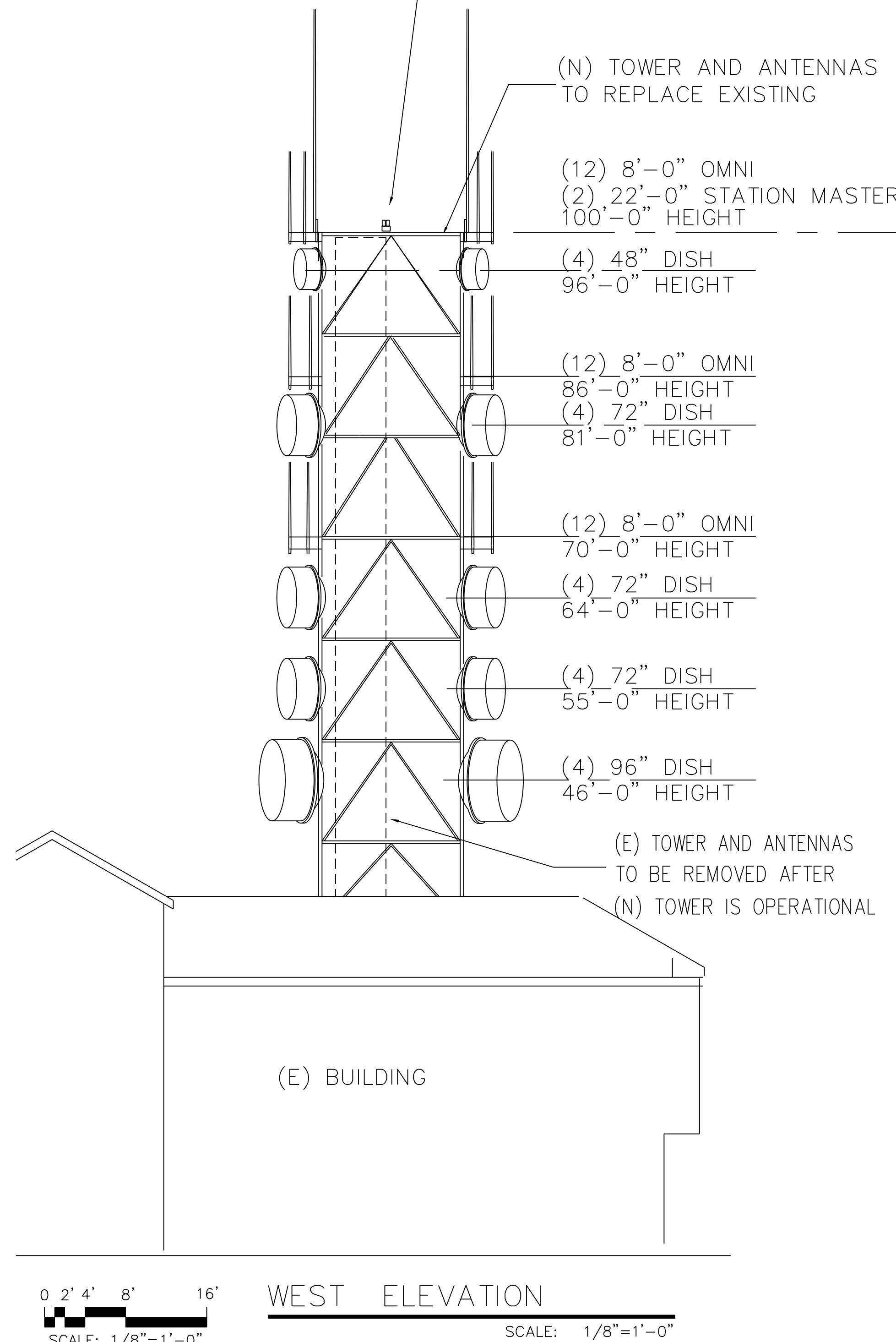
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ARTHUR ALLEN ANDERSON
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RENEWAL DATE
STATE OF CALIFORNIA
04-24-2024

SHEET TITLE:
**EXTERIOR
ELEVATIONS**

SHEET NUMBER:
A-2.1

REVISION:





COMMUNICATIONS SITE
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COUNTY OF VENTURA
CALIFORNIA

PROJECT INFORMATION:

**VENTURA COUNTY
FIRE PROTECTION
DEPARTMENT**

CURRENT ISSUE DATE:—

09/19/22

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CONSTRUCTION

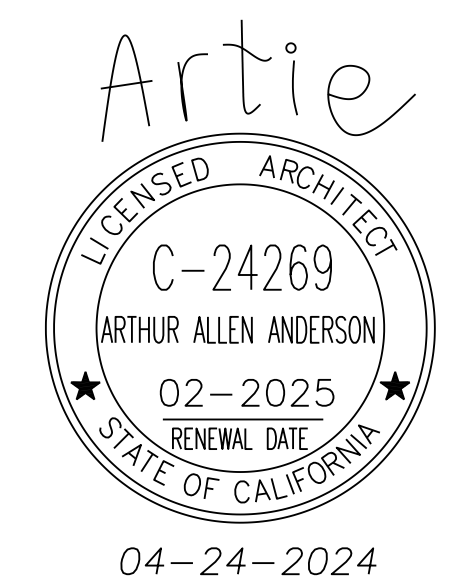
[illegible]PLANS PREPARED BY:

IDEAS

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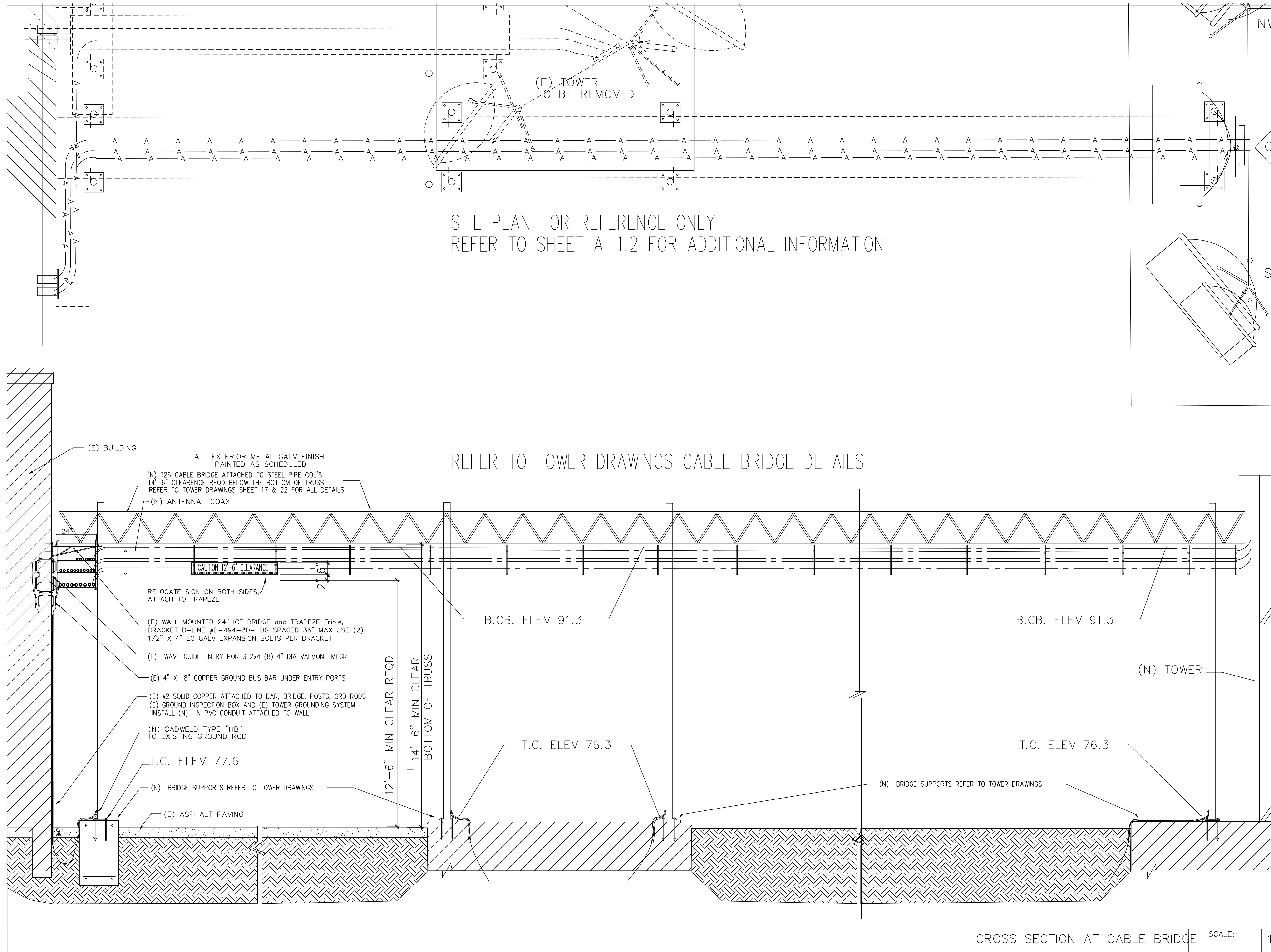
SHEET TITLE:

EXTERIOR ELEVATIONS

SHEET NUMBER: 3

REVISION:

A-2.2



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REV.:	DATE:	DESCRIPTION:	BY:
1	04/12/2023	REVISED PER SURVEY	
2	05/27/2023	REVISED PER SURVEY	
3	03/05/2024	BID SET	
4	04/24/2024	REVISED NEW BOLLARDS REMOVED	

PLANS PREPARED BY:
IDEAS
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SIGNATURE BLOCKS:

SHEET TITLE:

DETAILS

SHEET NUMBER: **A-3.1** REVISION:

SPECIFICATIONS

- A. GENERAL
- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND GOVERNING AUTHORITIES.
 - ALL MATERIALS SHALL BE NEW AND WHERE APPLICABLE, SHALL COMPLY WITH THE FOLLOWING STANDARDS:
 - NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA)
 - AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
 - UNDERWRITERS LABORATORIES (UL)
 - DO ALL CUTTING AND PATCHING OF THE EXISTING CONSTRUCTION AS NECESSARY FOR THE INSTALLATION OF THE ELECTRICAL SYSTEM.
 - ALL MATERIALS AND EQUIPMENT PROVIDED AND/OR INSTALLED UNDER THIS SPECIFICATION SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE OF THE WORK BY THE OWNER.
 - INTERRUPTION OF SERVICE TO THE BUILDING SHALL BE PRE SCHEDULED WITH THE BUILDING OWNERS.
 - IF INTERRUPTION CANNOT BE TOLERATED DURING REGULAR DAYLIGHT HOURS, IT SHALL BE SCHEDULED FOR A TIME MUST SUITABLE TO THE OWNER.
 - HAVE ADEQUATE MATERIALS AND LABOR AVAILABLE DURING ANY INTERRUPTION OR CUTOFF SO THAT THE WORK CAN BE COMPLETED IN A TIMELY FASHION WITHOUT DELAY.
- B. CONDUCTORS – 600 VOLTS
- UNLESS OTHERWISE INDICATED, CONDUCTORS SHALL BE 600 VOLT, THHN-THWN.
- C. CONDUIT
- USE U.L. LISTED GALVANIZED ELECTRICAL METALLIC TUBING (EMT)/OR RIGID AS REQUIRED FOR CONDUIT INSTALLED ON THE INTERIOR OF THE BUILDING.
 - SEMI-RIGID PLASTIC TYPE PVC SCHEDULE 40 CONDUITS MAY BE USED WHERE INSTALLED UNDER SLABS IN CONTACT WITH EARTH OR WHERE INSTALLED UNDERGROUND. INSTALL UNDERGROUND CONDUITS A MINIMUM OF 24 INCHES BELOW GRADE.
 - FLEXIBLE STEEL CONDUITS SHALL BE USED FOR FINAL CONNECTION TO MOTORS OR OTHER VIBRATING EQUIPMENT. IT SHALL BE U.L. LISTED GALVANIZED INCLUDING ALL FITTINGS. NEOPRENE JACKET, MOISTURE AND OIL-PROOF FLEXIBLE STEEL CONDUIT WITH WATERPROOF FITTINGS SHALL BE USED FOR OUTDOOR AND OTHER DAMP AREAS.
 - PROVIDE SECURE MOUNTING FACILITIES FOR ALL CONDUITS. WIRE OR PLUMBER'S TAPE IS NOT ACCEPTABLE.
 - RUN ALL EXPOSED CONDUIT AT RIGHT ANGLES TO OR PARALLEL TO STRUCTURAL MEMBERS.
 - PROVIDE PROPER FLASHING WHERE CONDUITS PASS THROUGH THE ROOF OR EXTERIOR WALL. FLASHING SHALL BE MADE SO THAT IT COMPLETELY SEALS OUT ANY WATER FROM ENTERING.
- D. PULL BOXES
- PROVIDE PULL BOXES WHERE REQUIRED FOR PULLING CONDUCTORS DUE TO LONG RUNS AND/OR EXCESS NUMBER OF BENDS.
 - PULL BOXES SHALL BE SIZED AS INDICATED ON THE DRAWINGS CONSTRUCTED OF CODE GAGE SHEET STEEL WITH SCREW COVER. WHERE THEY ARE INSTALLED IN THE EXTERIOR OF THE BUILDING, THEY SHALL BE WEATHERPROOF WITH GASKETED COVERS.
- E. SWITCHES
- LIGHTING SWITCHES SHALL BE SPECIFICATION GRADE 20 AMPERE, 120/277 VOLT, A.C., IVORY HANDLE, QUIET TYPE. SINGLE POLE TOGGLE SWITCHES SHALL BE HUBBLE #1221-I, P&S #20AC1-I, ARROW-HART #1991-I OR EQUAL.
- F. RECEPTACLES
- DUPLEX RECEPTACLE OUTLETS SHALL BE 3 WIRE GROUNDING TYPE, SPECIFICATION GRADE NEMA #5-15R OR #5-20R, 125 VOLT POLARIZED PARALLEL SLOT DEVICES. WHERE THERE ARE MORE THAN ONE RECEPTACLE ON A CIRCUIT, 15 AMPERE RECEPTACLE MAY BE USED. IF ONLY ONE RECEPTACLE IS ON A CIRCUIT, 20 AMPERE RECEPTACLE MUST BE USED.
- G. PLATES
- PLATES FOR ALL SWITCHES AND RECEPTACLES SHALL BE SMOOTH IVORY FINISHED PLASTIC.
- H. CIRCUIT BREAKERS
- CIRCUIT BREAKERS SHALL BE SIZED AS INDICATED ON THE DRAWINGS. UNITS SHALL BE THERMOMAGNETIC, QUICK MAKE, QUICK BREAK TRIP INDICATING MOLDED PLASTIC CONSTRUCTION. CIRCUIT BREAKERS FOR INSTALLATION IN EXISTING SWITCHBOARD SHALL MATCH EXISTING. PROVIDE MOUNTING ACCESSORIES AS NECESSARY. WHERE THEY ARE INSTALLED OUTSIDE OF THE SWITCHBOARD, PROVIDE WITH NEMA 1 ENCLOSURE IF INSTALLED INDOORS. IF THE UNIT IS INSTALLED OUTDOORS, PROVIDE WITH NEMA 3R ENCLOSURE. CIRCUIT BREAKERS SHALL HAVE INTERRUPTION CAPACITIES AS INDICATED ON THE DRAWING.
- I. PANEL
- PANEL SHALL BE SURFACE MOUNTED AS INDICATED, WITH SUB-BREAKERS, BRANCH CIRCUIT NUMBERING, AND LUGS AS INDICATED ON THE PANEL SCHEDULE. PANEL SHALL HAVE HINGED, LOCKABLE DOOR, PROPER BUSING, LUGS, AND INDEX CARDHOLDER WITH THE PANEL SCHEDULE NEATLY TYPED/WRITTEN ON THE CARD.
 - CIRCUIT BREAKERS SHALL BE AUTOMATIC WITH AN INTERRUPTER TRIP ELEMENT FOR EACH POLE AND SHALL BE AS SPECIFIED UNDER CIRCUIT BREAKERS. CIRCUIT BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CURRENT RATING OF 10,000 AMPERES AT 120/240 VOLTS, 1 PHASE, 3 WIRE.
- J. GROUNDING
- GROUNDING SHALL BE PROVIDED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.

- K. TRANSFORMER – DRY TYPE
- TRANSFORMER AT THE CELL SITE SHALL BE DRY-TYPE FOR OUTDOOR FLOOR MOUNTING. IT SHALL BE RATED 150 DEGREES CENTIGRADE. CLASS "H" INSULATION WITH FOUR (4)
- L. CONTRACTOR SHALL PROVIDE THE FOLLOWING COORDINATION
- COORDINATE WITH SERVING ELECTRICAL UTILITY COMPANY AND MAKE PROVISIONS FOR ELECTRICAL SERVICE ACCORDINGLY. INCLUDE ALL SERVICE COSTS AND UTILITY COMPANY CHARGES IN BID.
 - COORDINATE WITH SERVING TELEPHONE UTILITY COMPANY AND MAKE PROVISIONS FOR TELEPHONE SERVICE ACCORDINGLY. INCLUDE ALL SERVICE COSTS AND ANY UTILITY COMPANY CHARGES IN BID.
 - COORDINATE WITH SERVING CABLE TELEVISION COMPANY AND MAKE PROVISIONS FOR CABLE TELEVISION ACCORDINGLY. INCLUDE ALL SERVICE COSTS AND ANY UTILITY COMPANY CHARGES IN BID.
 - ALL PERMITS SHALL BE OBTAINED AND PAID FOR BY CONTRACTOR.

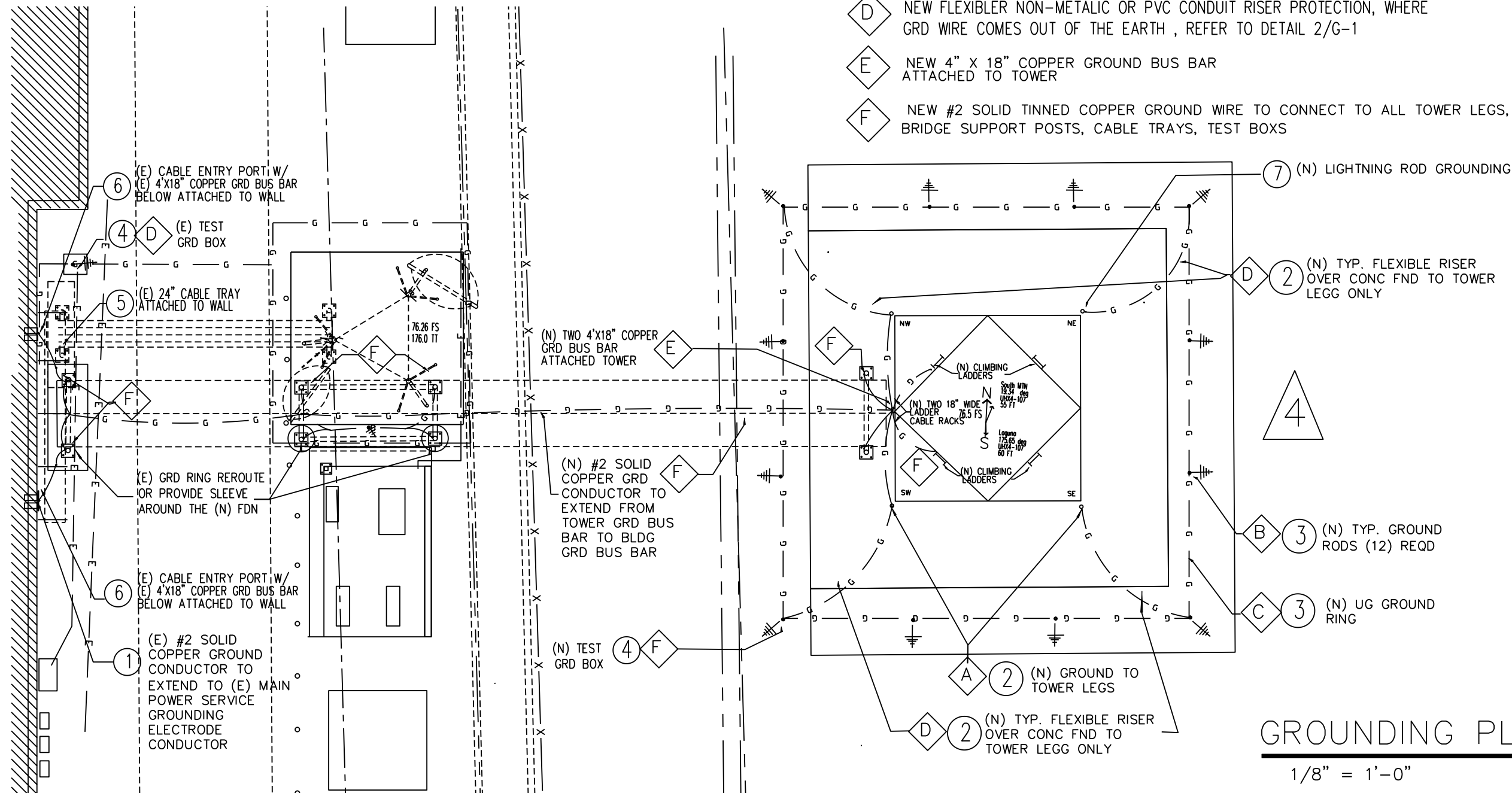
GROUNDING NOTES

- BELOW ARE DESCRIPTIONS OF APPLICATIONS AND PART NUMBERS FOR VARIOUS GROUNDING CONNECTORS. SPECIFIC RENDERINGS, SPECIFICATIONS, AND NOTES ON THESE PLANS SUPERCEDE THE GENERAL SPECIFICATIONS THAT ACCOMPANY THESE DRAWINGS. WHERE THE #2, STRANDED GREEN HALO CONNECTS TO THE BUSS BAR, USE A COMPRESSION FIT, DUAL EYELET CONNECTOR: BURNDY, YGA2C-2N.
- THE STRINGERS WILL BE #2 STRANDED, GREEN CONDUCTOR, CONNECTED TO THE HALO IN A DUAL RADI "Y". UTILIZE (3) THOMAS & BETTS, ORANGE "C" TAPS, PART NO. 54740, AT EACH #2 TO #2 CONNECTION.
- WHERE #6, STRANDED, GREEN CONDUCTOR IS CALLED OUT, THE APPROPRIATE MECHANICAL CONNECTOR IS A COMPRESSION FIT, DUAL EYELET. IT IS APPROPRIATE TO USE A BURNDY, YA6C-2N WHERE THE WAVEGUIDE PORTS ARE GROUNDED DIRECTLY TO THE BUSS BAR, AND A BURNDY, YA6C-2 IN ALL OTHER CASE.
- WHERE #6 STRANDED IS BONDED DIRECTLY TO THE #2 HALO, USE A THOMAS & BETTS, 54730 PINK "C" TAP.
- THE BUSS BARS ARE TO BE 18" X 4" X 1/4" AND THEY ARE EXTERIOR AND INTERIOR TO BE MOUNTED TO THE WALL WITH LARGE, 2", "RED APPLE" INSULATORS.
- THE 2/0 STRANDED CONDUCTOR THAT BONDS THE FIRST APPEARANCE OF AC POWER INSIDE THE BUILDING (DISCONNECT SWITCH) TO THE BUSS BAR WILL UTILIZE A BURNDY, YGA2S-2N COMPRESSION FIT, DUAL EYELET CONNECTOR.
- THE REQUESTED HALO "STANDOFFS" ARE TO MEET THE FOLLOWING CRITERIA:
 - IT MUST HOLD THE HALO 1 1/2" OFF THE WALL.
 - IT MUST BE NON-CONDUCTIVE (SPECIFICALLY, NO METAL CAN SURROUND THE HALO).
 - THE HALO MUST BE ABLE TO BE FASTENED TO, AND RELEASED FROM THE "STANDOFF" WITHOUT THE USE OF TOOLS.
- ALL GROUNDING TO COMPLY WITH MOTOROLA R56 STANDARDS COUNTY GROUNDING SYSTEM REQUIREMENT "5 OHM MAX"

REFERENCE NOTES

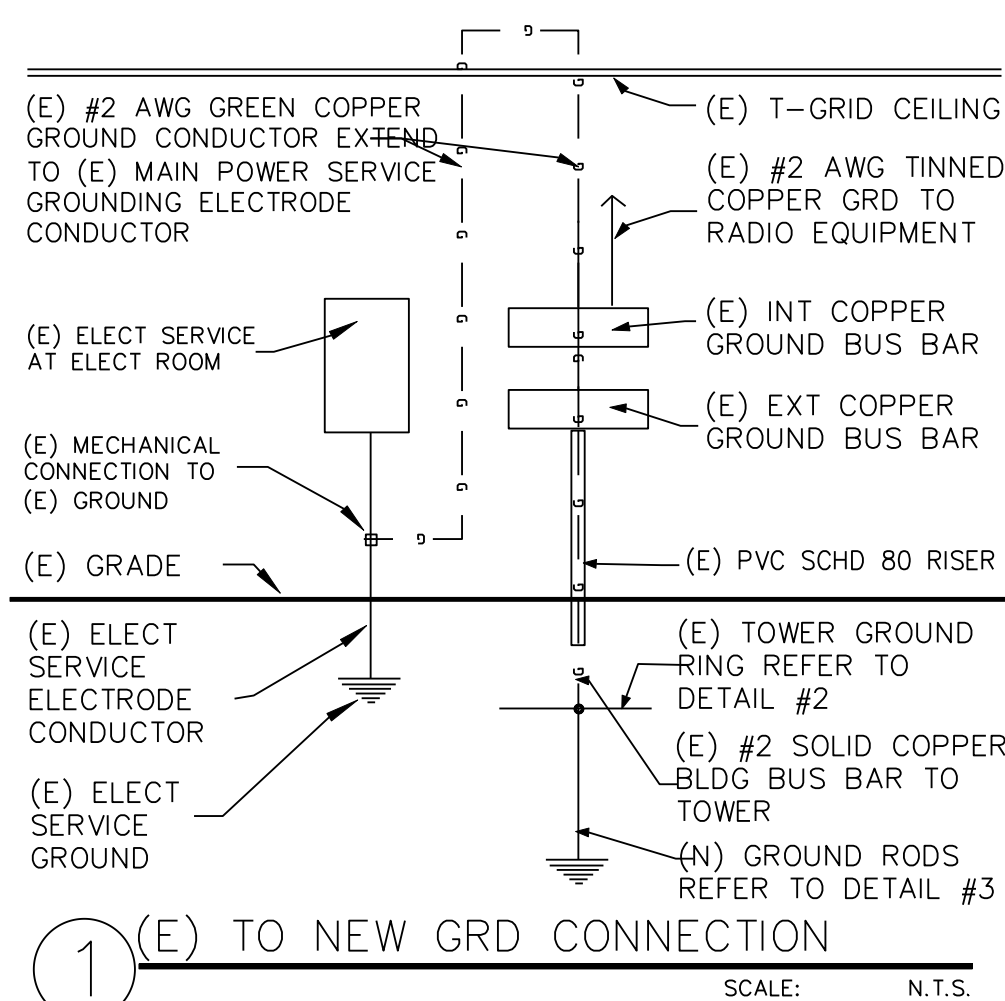
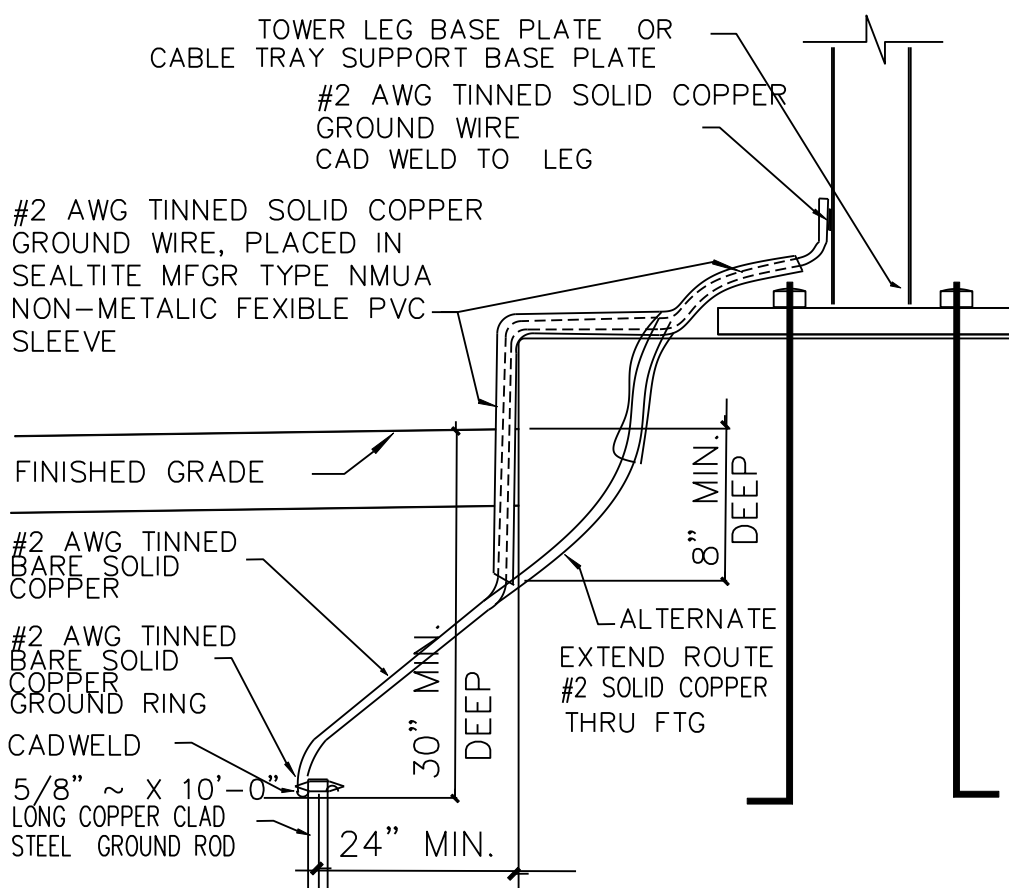
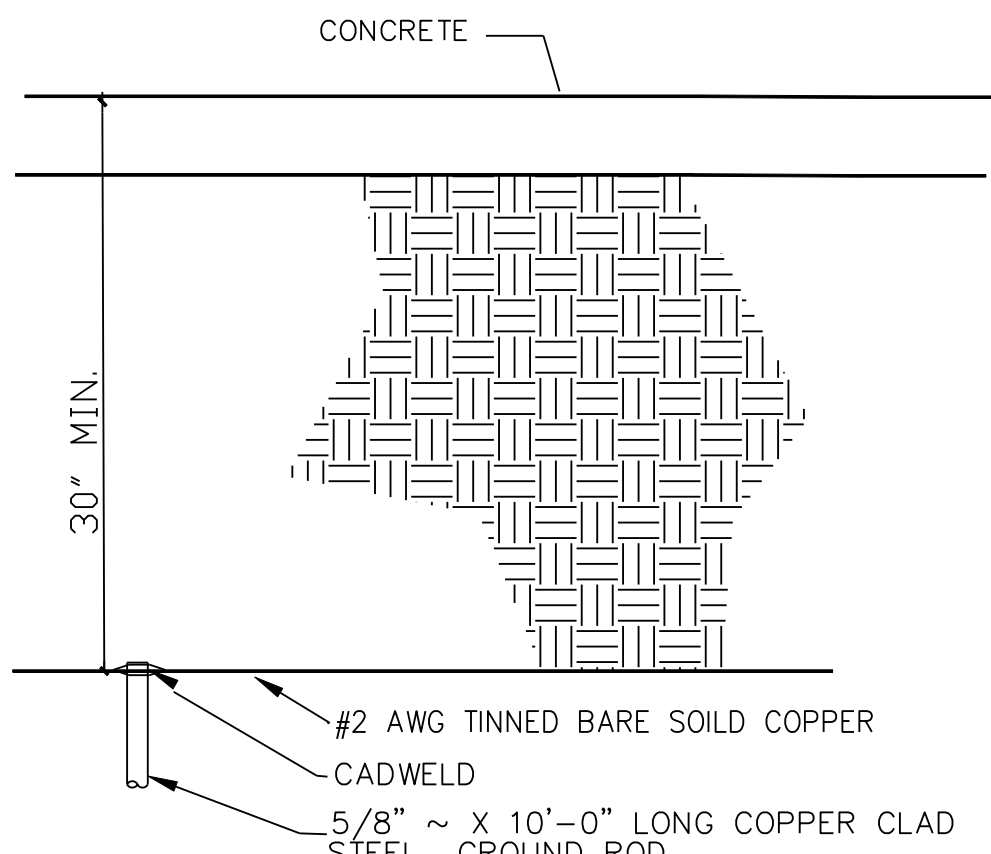
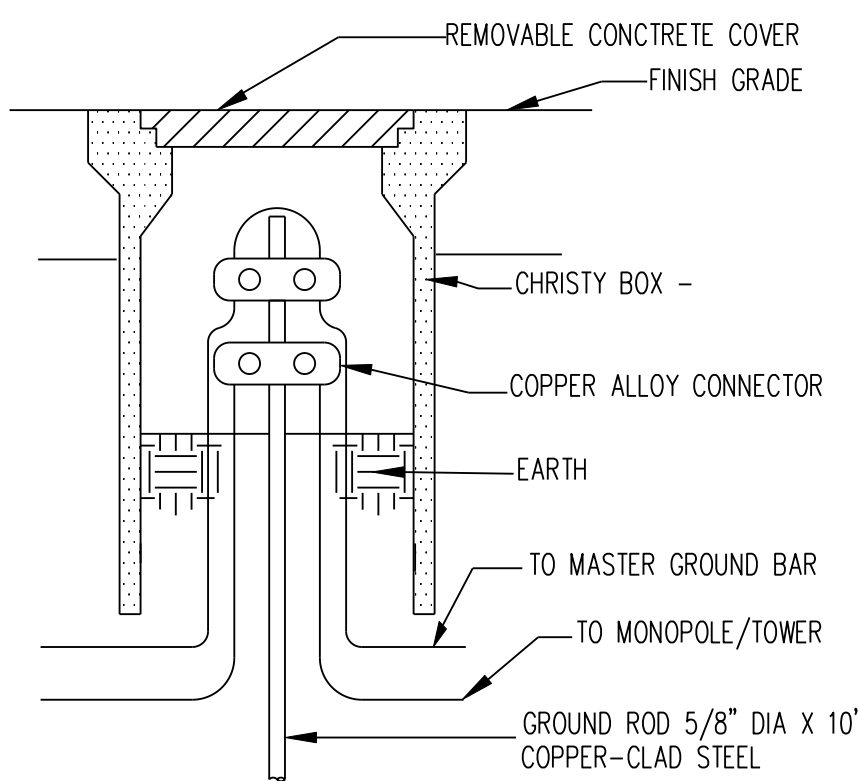
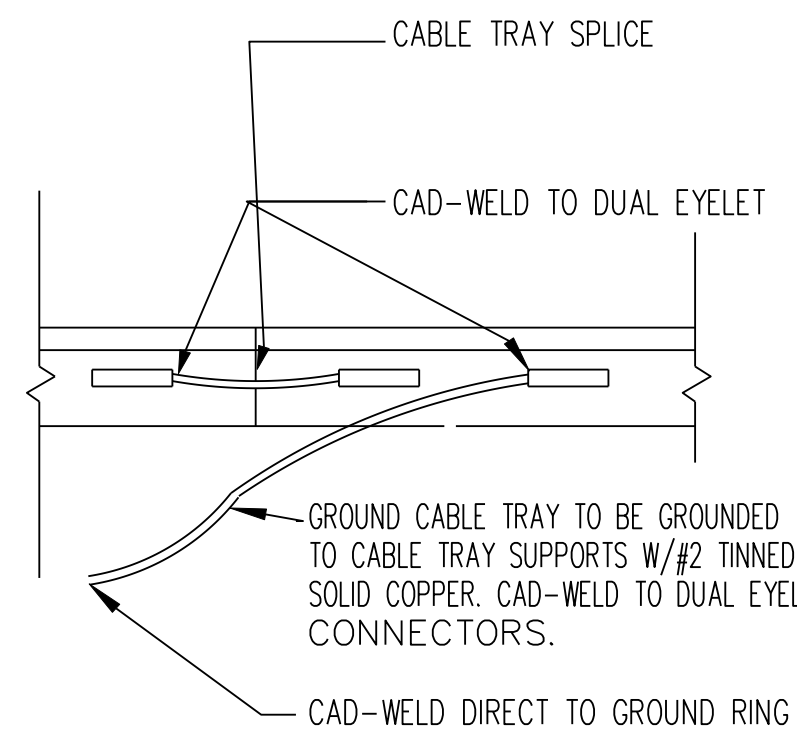
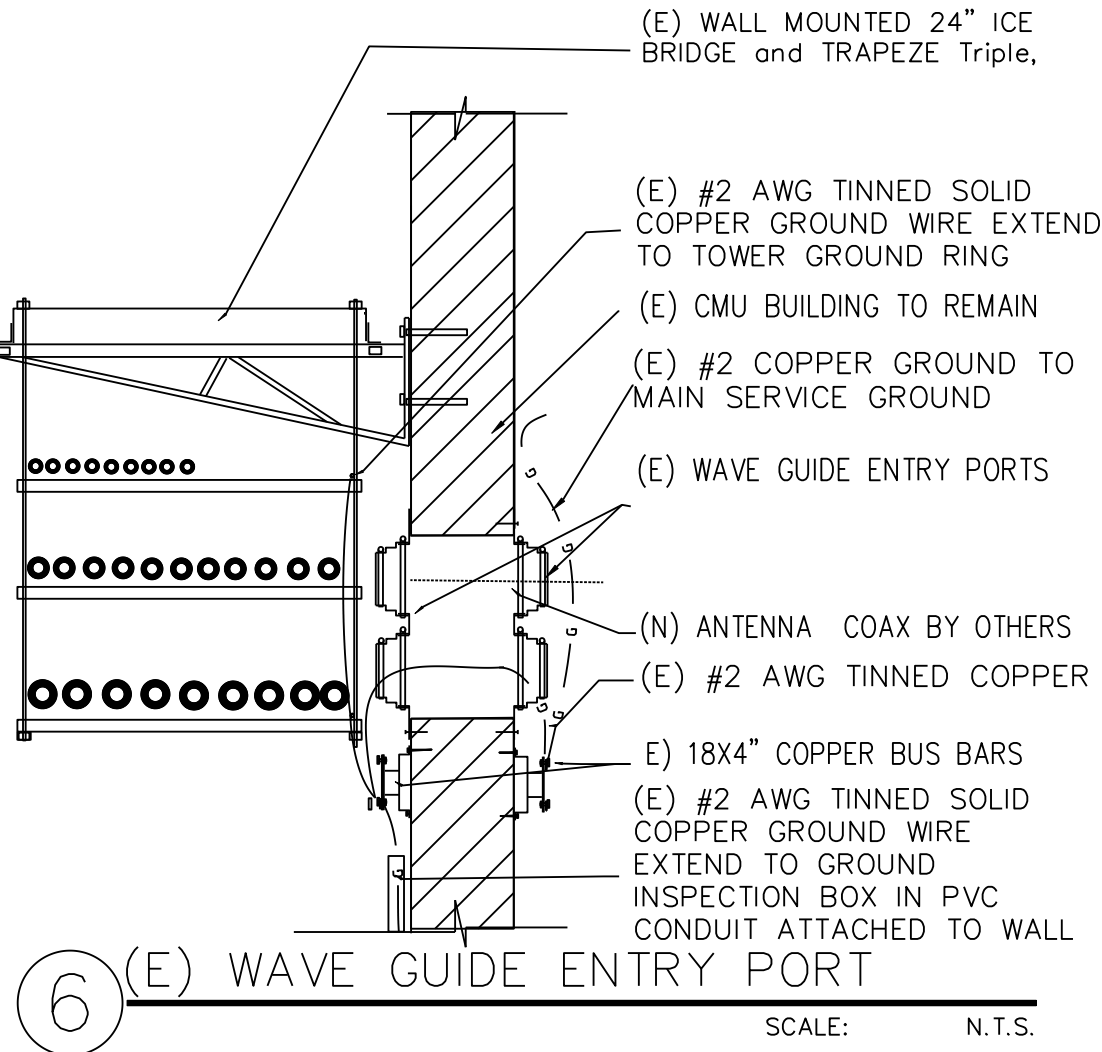
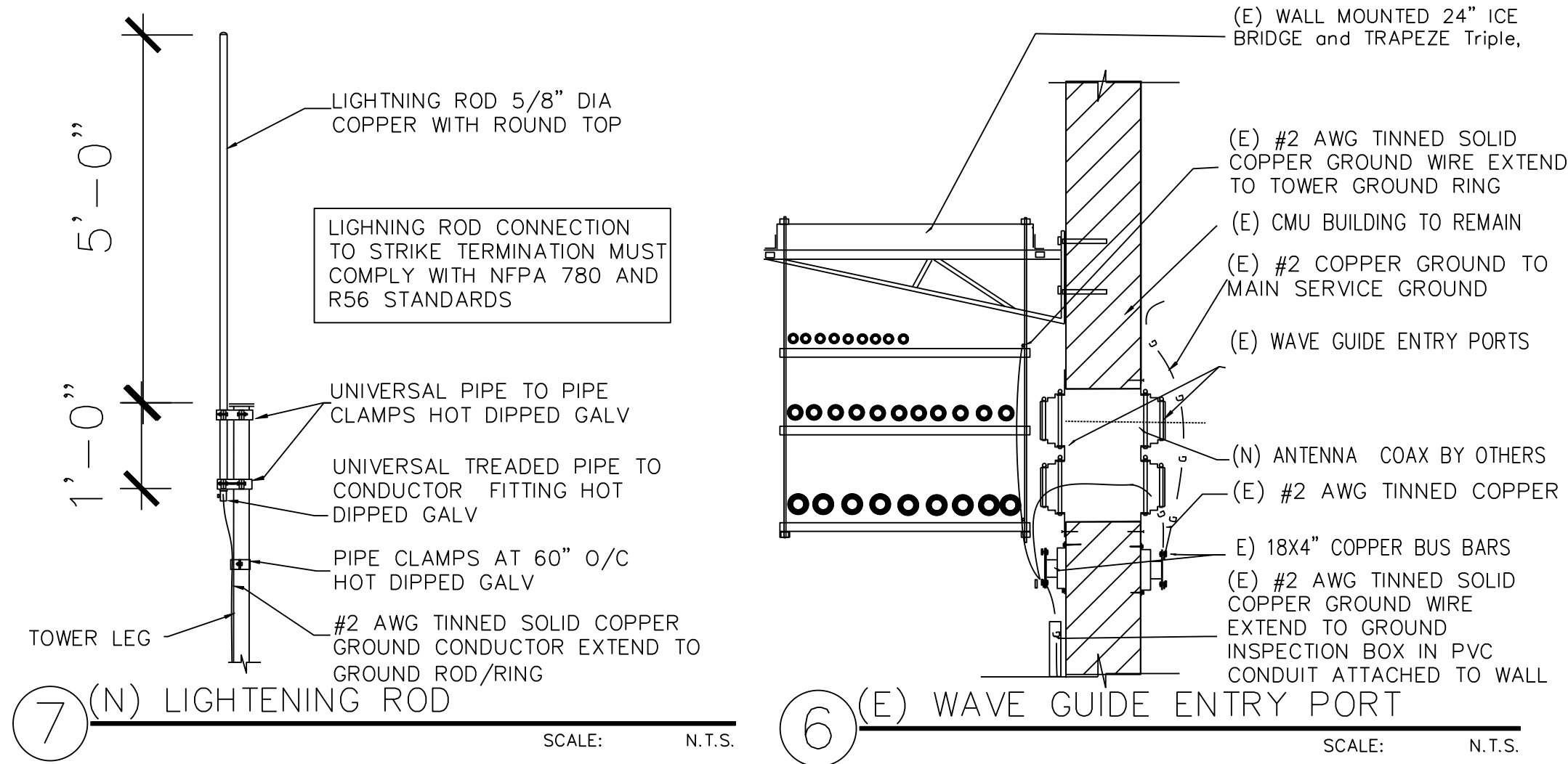
ALL ELECTRICAL EQUIPMENT TO BE LISTED BY UL OR A COUNTY APPROVED THIRD PARTY TESTING FACILITY PER BUILDING CODE.

- A NEW PROVIDE (1) #2 AWG TINNED BARE SOLID COPPER GROUND TO BUSS BARS, TOWER AND BUILDING ELECTRICAL SERVICE GROUND, REFER TO DETAILS 1/G-1
- B NEW COPPER 5/8" X 10'-0" LG COPPER CLAD STEEL GRD RODS CAD WELDED TO UG GROUND RING, REFER TO DETAIL 3/G-1
- C NEW EXTERIOR HALO GROUNDING RING, PROVIDE #2 AWG BARE TINNED SOLID COPPER GROUND RING AS SHOWN. PROVIDE CADWELD CONNECTIONS TO GRD RODS TOWER LEGS AND ELECTRICAL SERVICE GROUND. SEE DETAILS SHEET G-1.
- D NEW FLEXIBLER NON-METALIC OR PVC CONDUIT RISER PROTECTION, WHERE GRD WIRE COMES OUT OF THE EARTH, REFER TO DETAIL 2/G-1
- E NEW 4" X 18" COPPER GROUND BUS BAR ATTACHED TO TOWER
- F NEW #2 SOLID TINNED COPPER GROUND WIRE TO CONNECT TO ALL TOWER LEGS, BRIDGE SUPPORT POSTS, CABLE TRAYS, TEST BOXS



GROUNDING PLAN

1/8" = 1'-0"



FCC

COMMUNICATIONS SITE
NEW 100 FT TOWER
160 DURLY AVENUE
CAMARILLO, CA 93010
COUNTY OF VENTURA
CALIFORNIA

PROJECT INFORMATION:

VENTURA COUNTY
FIRE PROTECTION
DEPARTMENT

CURRENT ISSUE DATE:

09/19/22

ISSUED FOR:

CONSTRUCTION

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GROUNDING
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G-1

REVISION:

EXHIBIT B

PHASE I - NEW COMMUNICATION TOWER INSTALLATION AT FCC

Page 10 of 11

CONSULTANT:



STAMP:



OWNER:

PROJECT:

160 DURLEY AVE
CAMARILLO, CA 93010

SCALE:

SHEET:

NUMBER:



PHASE I - NEW COMMUNICATION TOWER INSTALLATION AT FCC