

**NOTICE OF EXEMPTION**

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TO:  Office of Planning and Research  
1400 Tenth Street, Room 121  
Sacramento, CA 95814  
  
 County Clerk-Recorder  
County of Tehama  
633 Washington Street – Room 11  
Red Bluff, CA 96080

FROM:  
  
CORNING UNION ELEMENTARY  
SCHOOL DISTRICT  
1005 Hoag Street  
Corning, CA 96021

**Project Title:** Communications Project

**Project Location - Specific:** 864 Hoag Street in Corning, California  
Tehama County Assessor Parcel No. 0714-122-006-000

**Project Location - City:** Corning                      **Project Location - County:** Tehama

**Description of Project:**

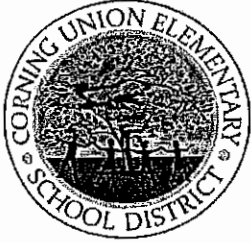
The District will be constructing a communications tower between 60 and 120 feet high on its former maintenance site located at 864 Hoag Street, Corning, California, which site is approximately 567 square meters (APN 0714-122-006-000).

**Name of Public Agency Approving Project:** Corning Union Elementary School District

**Name of Person or Agency Carrying Out Project:** Corning Union Elementary School District

**Exempt Status:** (check one)

- Ministerial (Sec. 21080(a)(1); 15268(b));
- Declared Emergency (Sec. 21080(b)(3); 15269(a));
- Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
- Categorical Exemption. State Type and Section No.:  
CEQA Guidelines §§ 15301 (Existing Facilities); 15311 (Accessory Structures); 15332 (Infill Development)
- Statutory Exemptions. State Code number:



# Corning Union Elementary School District

1005 Hoag Street, Corning, CA 96021 ■ Phone: 530.824.7700 ■ Fax: 530.824.2493 ■

[www.corningelementary.org](http://www.corningelementary.org)

*Preparing Students For Their Future!*

OUR DISTRICT GOVERNING BOARD:

*Helen Pitkin ■ Ronda Holland ■ Blaine Smith ■ Jani Franer Greer ■ Bob Hall*

*Tiffany Dietz, Superintendent*

*Joe Lodigiani, Assistant Superintendent*

*Heather Igarta, Chief Business Official*

## RESOLUTION 23/24-2

**RESOLUTION OF THE GOVERNING BOARD OF THE  
CORNING UNION ELEMENTARY SCHOOL DISTRICT  
FINDING THE CONSTRUCTION OF THE COMMUNICATIONS TOWER  
AT THE DISTRICT MAINTENANCE FACILITY EXEMPT FROM,  
AND APPROVING THE PROJECT FOR PURPOSES OF, THE CALIFORNIA  
ENVIRONMENTAL QUALITY ACT AND AUTHORIZING STAFF TO FILE A  
NOTICE OF EXEMPTION FOR THE PROJECT**

**WHEREAS**, the Corning Union Elementary School District ("District") owns the site at 864 Hoag Street in Corning, California, which previously served as the District's maintenance facility (the "Site"); and

**WHEREAS**, the District desires to construct a communications tower at the Site to enhance and improve telecommunication services (the "Project"); and

**WHEREAS**, the Site consists of approximately 567 square meters (APN 0714-122-006-000) located at 864 Hoag Street, Corning, California; and

**WHEREAS**, a depiction of the proposed Project and the Project Site is attached hereto as Exhibit "A" which is incorporated herein by this reference; and

**WHEREAS**, Section 15301 of Title 14 of the California Code of Regulations ("CEQA Guidelines") provides that a project is generally exempt from CEQA if it involves the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination, including demolition and removal of individual small structures of up to three single-family residences, a duplex or multifamily residential structure of up to six dwelling units, and, in urban areas up to three commercial buildings; and

**WHEREAS**, Section 15311 of the CEQA Guidelines provides that a project that consists of construction, or placement of minor structures accessory to (appurtenant to) existing commercial, industrial, or institutional facilities, including but not limited to, small parking lots, is exempt from the requirements of CEQA; and

**WHEREAS**, Section 15332 of the CEQA Guidelines provides that a project that is consistent with the applicable general plan designation, on a site within the city limits, that is less than 5 acres, contains no habitat of value for

endangered species, does not result in significant impacts to air, traffic water or noise and is otherwise adequately served by utilities and public services, is exempt from the requirements of CEQA; and

WHEREAS, with respect to the Project, the District will be constructing a communications tower on the Site between 60 to 120 feet in height with an accompanying NEMA type 4 enclosure for accessory equipment; and

WHEREAS, the Project is not subject to any of the exceptions to exemptions set forth in CEQA Guidelines section 15300.2; and

WHEREAS, the Project will not cause a substantial adverse change in the significance of a historical resource; and

WHEREAS, the Project will not involve the use of significant amounts of hazardous substances.

NOW, THEREFORE, THE GOVERNING BOARD DOES HEREBY DETERMINE, RESOLVE, AND ORDER AS FOLLOWS:

Section 1. The above recitals are true and correct and are incorporated herein as findings of the Governing Board by this reference.

Section 2. The Governing Board hereby finds that the Project, as proposed, is exempt from CEQA pursuant to CEQA Guidelines Sections 15301, 15311, and 15332.

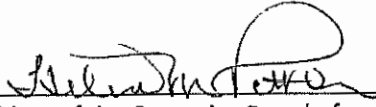
Section 3. The Governing Board hereby approves the Project for purposes of CEQA.

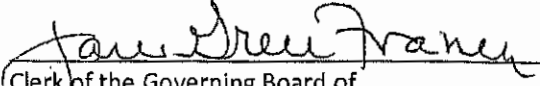
Section 4. The Governing Board hereby delegates authority to the Superintendent of the District or designee to take any action reasonably required to (1) cause a Notice of Exemption to be filed with the Tehama County Clerk and the State Clearinghouse including, but not limited to, the issuance of payment of those Fish and Game fees that may be required pursuant to Fish and Game Code Section 711.4; or (2) effectuate the purpose and intent of this Resolution.

Section 5. All supporting materials that constitute a record of these proceedings will be kept on file with the Operations Division at the District's Office, located at 100S Hoag Street, Corning, California.

APPROVED, PASSED AND ADOPTED by the Governing Board of the Corning Union Elementary School District, Tehama County, State of California, this 9th day of August, 2023, by the following vote:

AYES: 4  
NOES: 0  
ABSTAIN: 0  
ABSENT: 1

  
\_\_\_\_\_  
President of the Governing Board of  
Corning Union Elementary School District

  
\_\_\_\_\_  
Clerk of the Governing Board of  
Corning Union Elementary School District

# CORNING UESD LTE-WAN-2020

WEST STREET TOWER  
864 HOAG STREET  
CORNING, CA 96021

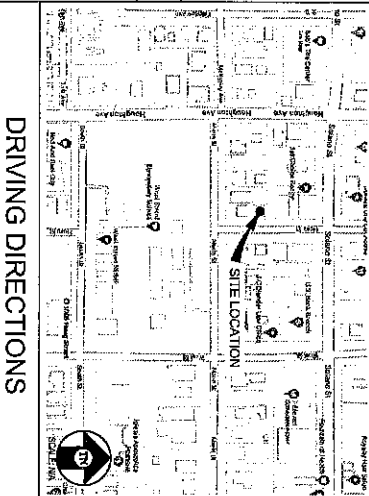
## PROJECT DESCRIPTION

- INSTALLING A (N) UNMANNED AERIAL VEHICLE COMMUNICATIONS FACILITY CONSISTING OF:
- INSTALLING (1) (N) TETRA-OF (0)D SA (1) EQUIPMENT PAD
  - BRIDGING (3) (N) ANTENNAS & (1) (N) RADIO UNITS ON (0) (N) (N) (N) MONOPOLE
  - BRIDGING (N) POWER & TIE-INS
  - BRIDGING (N) POWER W/ TET-OF SAVING DATE
  - BRIDGING (N) POWER CONDUIT
  - BRIDGING (N) LIGHT FIXTURES
  - BRIDGING (N) FENCE & (N) GATE
  - BRIDGING (N) ICE BRIDGE

## PROJECT INFORMATION

SITE NAME	WEST STREET TOWER	ASSOCIATION	CITY OF CORNING
COUNTY	TEHAMA	POWER	PG&E
APN	071-123-005	TELEPHONE	(530) 238-1111
SITE ADDRESS	864 HOAG STREET CORNING, CA 96021	LOCATION	N 79° 57' 38.37" AND S1 N (29° 48' 20.17") AND S1 W 122° 11' 13.77" AND S3 W (-122° 30' 17.47") AND S3
CURRENT ZONING	I-18	ASST.	274
CONSTRUCTION TYPE	U (UNMANNED COMMUNICATIONS FACILITY)		
PROPERTY TYPE	CORNING UNION ELEMENTARY SCHOOL DISTRICT		
PROPERTY OWNER	1005 HOAG STREET CORNING, CA 96021		
APPLICANT	CORNING UNION ELEMENTARY SCHOOL DISTRICT		
APPLICANT REPRESENTATIVE	STREAMLINE ENGINEERING AND DESIGN, INC. 8445 SHAW COLLEGE BLVD. SUITE 2 RENEVALE, CA 95946		
CONSTRUCTION CONTACT:	ATN: TBD		

## VICINITY MAP



## DRIVING DIRECTIONS

- FROM 1005 HOAG STREET CORNING, CA 96021
1. HEAD WEST ON SOUTH ST TOWARD HOAG ST
  2. TURN RIGHT ON HOAG STREET
  3. TURN LEFT ON WEST ST
  4. TURN LEFT ON HOAG ST
- ESTIMATED TRIP 1 MINUTE ESTIMATED DISTANCE 0.3 MILES

## CODE COMPLIANCE

ALL WORK & MATERIALS SHALL BE PERFORMED & INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. WORKING IN THESE PLANS IS TO BE CONSIDERED TO PERMIT WORK NOT CONTAINED TO THESE CODES:

- 2019 CALIFORNIA ADMINISTRATIVE CODE PART 1, TITLE 24 C.C.R.
- 2019 CALIFORNIA BUILDING CODE (CBC), PART 2, VOLUME 1&2, TITLE 24 C.C.R.
- 2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
- 2019 CALIFORNIA FIRE CODE (FC), PART 5, TITLE 24 C.C.R.
- 2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
- 2019 CALIFORNIA MECHANICAL CODE (CMC), PART 5, TITLE 24 C.C.R.
- 2019 CALIFORNIA ENERGY CODE (CEC), PART 5, TITLE 24 C.C.R.
- 2019 CALIFORNIA INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS
- 2019 CALIFORNIA INTERNATIONAL MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS
- 2019 CALIFORNIA INTERNATIONAL PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS
- 2019 CALIFORNIA INTERNATIONAL BUILDING CODE (CBC), PART 5, TITLE 24 C.C.R.
- 2019 CALIFORNIA INTERNATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS
- 2019 CALIFORNIA INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS
- 2019 CALIFORNIA INTERNATIONAL MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS
- ANSI/ISA-75.23-2011

ALSO WITH ANY OTHER APPLICABLE LOCAL & STATE LAWS AND REGULATIONS

**DISABLED ACCESS REQUIREMENTS**

THIS FACILITY IS UNMANNED & NOT FOR HUMAN OCCUPATION. DISABLED ACCESS & REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA STATE BUILDING CODE, TITLE 24 PART 2, SECTION 119-203.3

## SHEET INDEX

SHEET	DESCRIPTION	REV
T-11	TITLE SHEET	-
SHEET 1	TOPOGRAPHIC SURVEY	-
A-1.1	OVERALL SITE PLAN	-
A-1.2	ENLARGED SITE PLAN	-
A-1.3	EQUIPMENT PLAN	-
A-2.1	ANTENNA PLAN	-
A-3.1	ELEVATIONS	-
A-3.2	ELEVATIONS	-
A-4.1	DETAILS	-
S-1.1	STRUCTURAL NOTES & DETAILS	-
S-1.2	STRUCTURAL DETAILS	-
E-1.1	ELECTRICAL PLAN	-
E-1.2	GROUNDING PLANS	-

## DESIGN CRITERIA

ROOF LIVE LOAD N/A	DOOR LIVE LOAD N/A	ALLOW SIGN BEARING N/A
DEAD LOAD 20 PSF	GROUND ELEVATION 279 FT	TOPOGRAPHIC SURVEY 1
WIND SPEED CATEGORY 0	SEISMIC CATEGORY IV 1.0	SEISMIC CATEGORY I
WIND SPEED CATEGORY 0	SEISMIC CATEGORY IV 1.0	SEISMIC CATEGORY I

## TESTS AND SPECIAL INSPECTIONS

STREAMLINE ENGINEERING & DESIGN, INC. DOES NOT REQUIRE ANY STRUCTURAL OBSERVATION OR SPECIAL INSPECTION OF ANY STRUCTURAL COMPONENT. TESTING & RECORD MUST BE OBTAINED BEFORE ANY CONSTRUCTION OF WORK BEGINS. TESTING & RECORD MUST BE OBTAINED BEFORE ANY CONSTRUCTION OF WORK BEGINS. TESTING & RECORD MUST BE OBTAINED BEFORE ANY CONSTRUCTION OF WORK BEGINS.

WEST STREET TOWER  
864 HOAG STREET  
CORNING, CA 96021

**Streamline Engineering and Design Inc.**

8445 Shaw College Blvd, Suite E Granite Bay, CA 95746  
 Contact: Kevin Soromon Phone: 916-660-1630  
 E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

ISSUE STATUS	DATE	DESCRIPTION	REV
APPROVED FOR PERMIT	01/28/22	01/28/22	1.0
DESIGNED BY: S. SHAW	12/05/22	12/05/22	1.0
CHECKED BY: S. SHAW	12/05/22	12/05/22	1.0
APPROVED BY: J. SPORE	12/05/22	12/05/22	1.0
DATE	12/05/22		

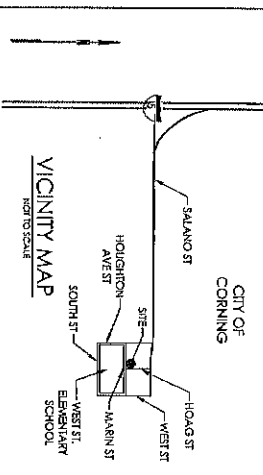
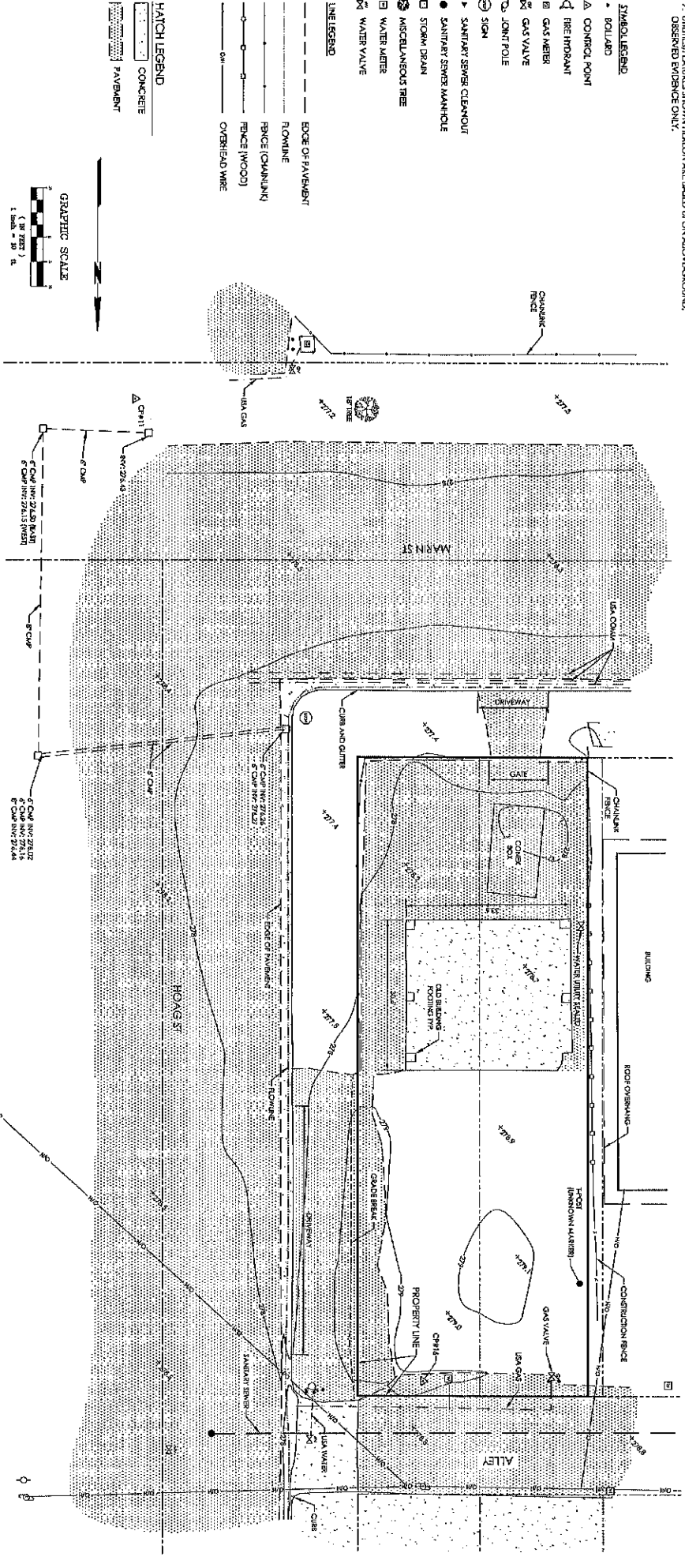
TITLE SHEET  
SHEET NUMBER: T-11.1

**GENERAL NOTES**

1. THIS SURVEY WAS CONDUCTED ON 4/21/2022.
2. COORDINATE SYSTEM: CALIFORNIA COORDINATE SYSTEM OF 1983 (CCSR83) ZONE 1; (PROJ 2017.25)
3. VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVVD83); (GEOID 18)
4. CONTIGUOUS INTERVAL: 1 FOOT.
5. TREE DIAMETERS SHOWN HEREON ARE DIAMETER AT BREAST HEIGHT. TREE CLASSIFICATION IS BASED UPON SURVEYOR'S BEST ESTIMATION. A CERTIFIED ARBORIST SHOULD BE CONSULTED TO VERIFY TREE PERIMETER, TREE, LESS THAN 8 IN DIAMETER, WERE NOT SURVEYED.
6. UNITS OF MEASUREMENT SHOWN HEREON ARE IN TERMS OF THE U.S. SURVEY FOOT AND DECIMALS THEREOF.
7. LIMITS OF SURVEY SHOWN HEREON ARE BASED UPON ABOVE-GROUND, OBSERVED EVIDENCE ONLY.

**CONTROL POINT TABLE**

POINT #	NOTHING	FAITHING	ELEVATION	DESCRIPTION
7	1858462.29	4209762.01	2737.77	ORIGINAL 2 WALKER
11	1858462.47	4209762.18	2737.89	ADDITIONAL 2 WALKER
12	1858462.47	4209762.01	2737.89	ADDITIONAL 2 WALKER
15	1858462.25	4209762.22	2751.14	ADDITIONAL 2 WALKER



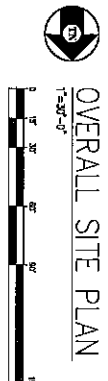
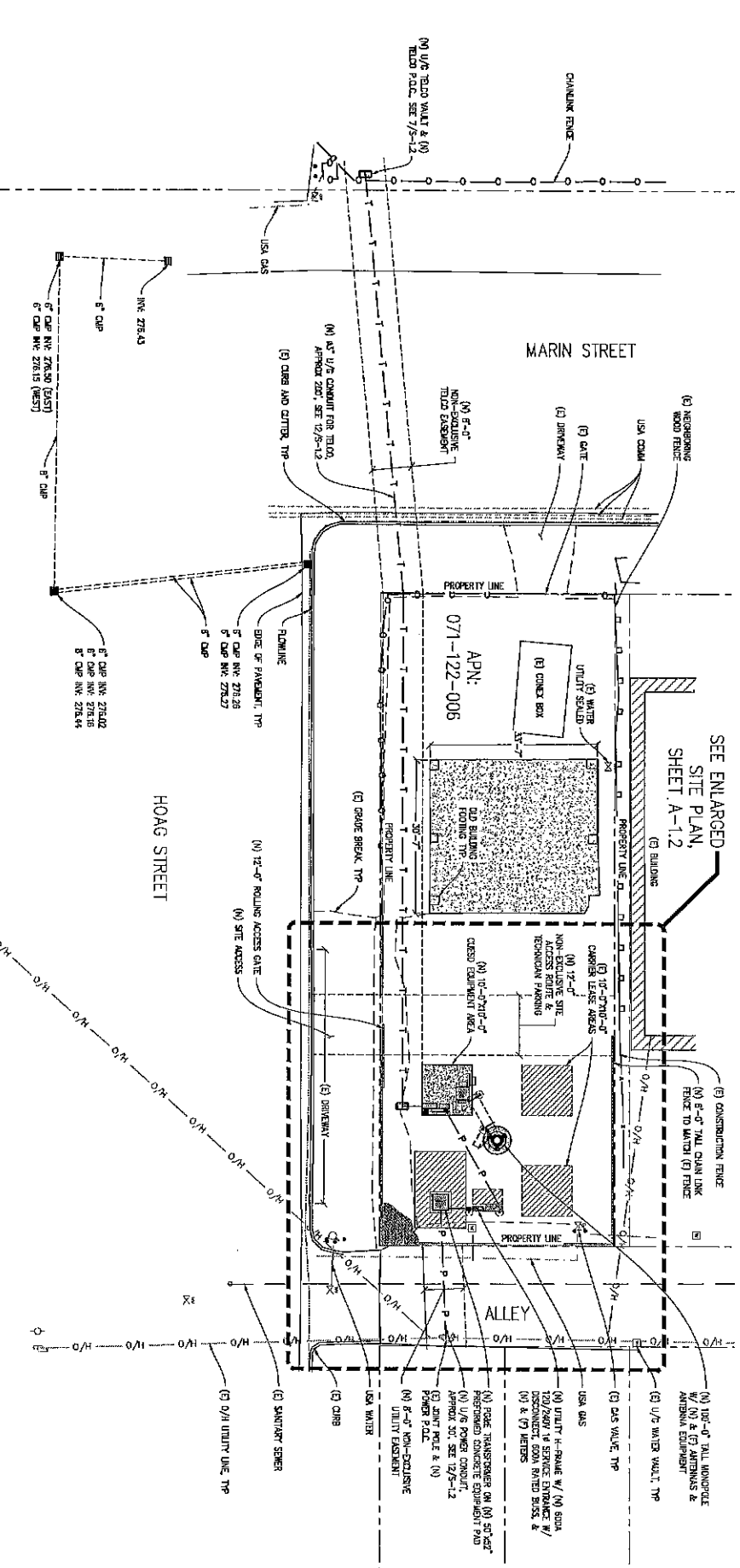
<p>DATE OF SURVEY: 4/21/2022                  SURVEYOR: [Signature]                  PROJECT: COMMUNICATION ANTENNA SITE</p>		<p>NO. DATE DESCRIPTION</p>			<p>864 HOANG ST., CORNING, CA 96021                  COMMUNICATION ANTENNA SITE  <b>TOPOGRAPHIC SURVEY</b></p>	<p>SHEET  <b>1</b>                  PG 1 OF 1</p>
<p>SCALE: 1" = 20'</p>		<p>DATE: 4/21/2022                  DRAWN BY: [Name]                  CHECKED BY: [Name]</p>				

**PROJECT GENERAL NOTES**

- THIS FACILITY IS AN UNOCCUPIED WIRELESS TELECOMMUNICATION FACILITY. PLANS ARE NOT TO BE SCALD AND ARE INTENDED TO BE A DEMONSTRATION ONLY. UNLESS NOTED OTHERWISE.
- EXISTING UTILITIES SHALL BE IDENTIFIED BY THE CONTRACTOR AND RECORDED AS SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH ALL REGULATIONS AS REQUIRED BY THE JURISDICTION.
- THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION AND DEPTHS OF ALL EXISTING UTILITIES BEFORE BEGINNING CONSTRUCTION. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND ENDOXER IMMEDIATELY.
- IF THE CONTRACTOR IS TO BE RESPONSIBLE TO PAY FOR PERMIT FEES, AND TO OBTAIN SAID PERMITS AND TO COORDINATE INSPECTIONS.
- THE CONTRACTOR SHALL RECEIVE IN WRITING, AUTHORIZATION TO PROCEED BEFORE THE START OF CONSTRUCTION, FROM THE DESIGN PROFESSIONAL. CALL BEFORE YOU DIG. CONSTRUCTION IS REQUIRED TO CALL 811 (NATIONWIDE) "CALL BEFORE YOU DIG" (NATIONAL) AT LEAST 72 HOURS BEFORE DIGGING.
- ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS. THE PERFORMANCE OF THE WORK SHALL BE SUBJECT TO THE OVERSIGHT AND SUPERVISION OF THE DESIGN PROFESSIONAL. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS FROM THE DESIGN PROFESSIONAL. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS FROM THE DESIGN PROFESSIONAL. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS FROM THE DESIGN PROFESSIONAL.

- ALL EXISTING ABOVE GROUND, WATER, GAS, ELECTRIC AND ALL OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK SHALL BE PROTECTED AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING ALL UTILITIES AND PROTECTING THEM THROUGHOUT THE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING ALL UTILITIES AND PROTECTING THEM THROUGHOUT THE CONSTRUCTION.
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**NOTICE**  
 NEW MONITOR TO BE ANALYZED BY OTHERS. STREAMLINE ENGINEERING & DESIGN INC. IS NOT RESPONSIBLE FOR THE EVALUATION OF THE NEW TOWER, BASE PLANS, ANCHOR BOLTS, OR FOUNDATION.



ISSUE STATUS

Δ	DATE	DESCRIPTION	REV.
	11/19/21	DESIGN	1.0
	11/19/21	UTILITY REVIEW	1.1
	11/19/21	ADJUST	1.2
	12/05/22	3D MODEL	1.3

DESIGNED BY: C. COOT  
 CHECKED BY: S. SWING  
 APPROVED BY: J. SPONGE  
 DATE: 12/05/22

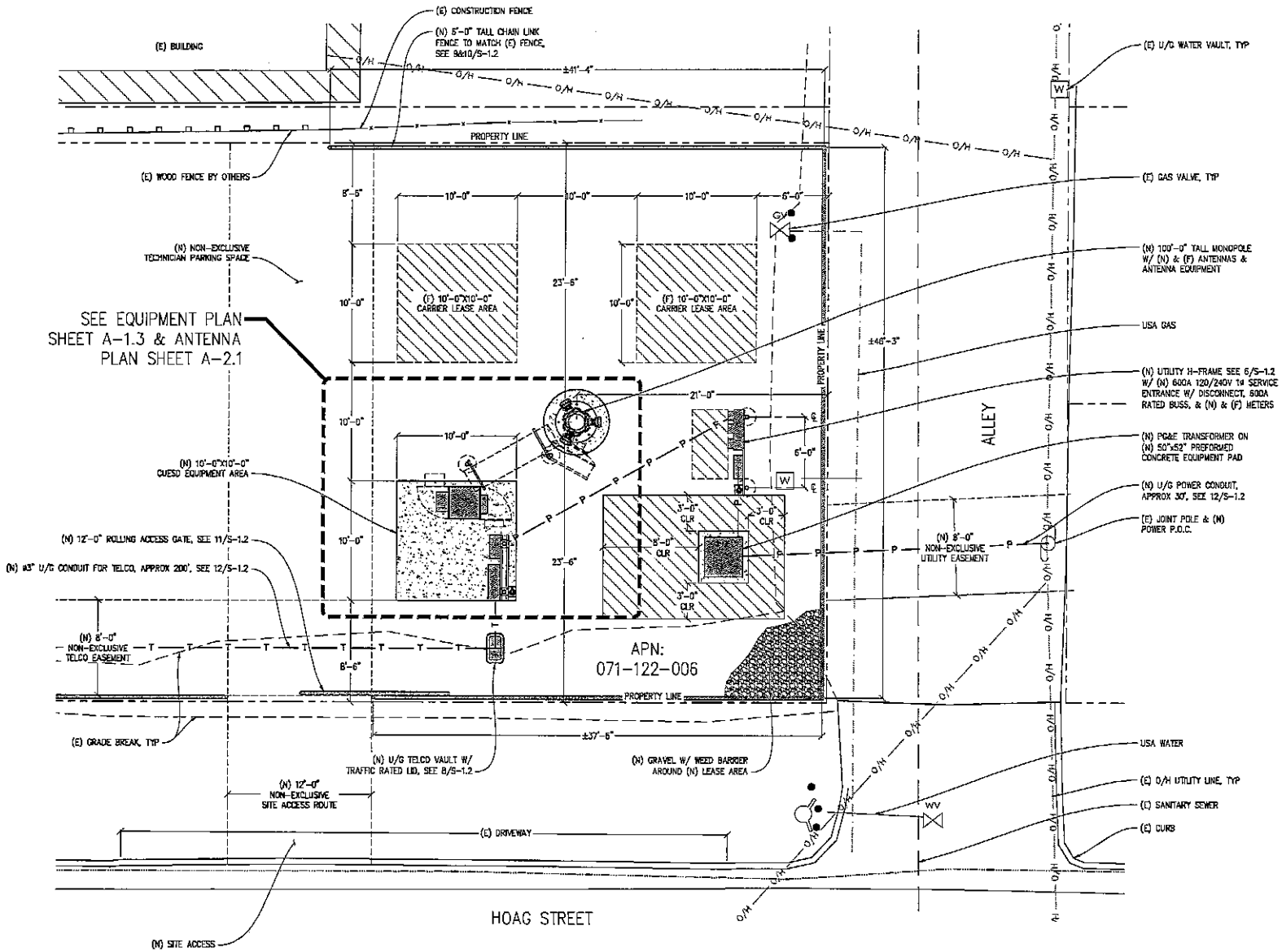
SHEET TITLE: OVERALL SITE PLAN  
 SHEET NUMBER: A-1.1

**Streamline Engineering and Design Inc.**

8445 Storms College Blvd, Suite E, Granite Bay, CA 95748  
 Contact: Kevin Sorenson Phone: 916-660-1330  
 E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

**WEST STREET TOWER**

304 KING STREET  
 GRANITE BAY, CA 95748



**WEST STREET TOWER**  
 864 HOAG STREET  
 CORNING, CA 95021

**Streamline Engineering**  
 AN LICENSED PROFESSIONAL ENGINEER  
 6446 Stuart College Blvd, Suite E, Corning, CA 95746  
 Corning, Kevin Swenson, Phone: 916-859-1930  
 E-Mail: kevin@streamlineeng.com Fax: 916-859-1941  
THESE PROFESSIONAL ENGINEERS ARE LICENSED BY THE BOARD OF PROFESSIONAL ENGINEERS AND SURVEYORS OF THE STATE OF CALIFORNIA. THESE PROFESSIONAL ENGINEERS ARE NOT RESPONSIBLE FOR THE EVALUATION OF THE NEW TOWER, BASE PLATE, ANCHOR BOLTS, OR FOUNDATION.



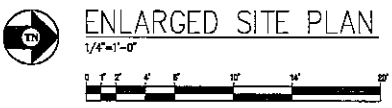
**ISSUE STATUS**

Δ	DATE	DESCRIPTION	REV.
	09/09/22	CD 50%	C.C.
	11/03/22	CLIENT REV	C.C.
	11/23/22	CLIENT REV	C.C.
	12/05/22	CD 100%	S.S.
	-	-	-
	-	-	-

DRAWN BY: E. COOY  
 CHECKED BY: S. SAUNG  
 APPROVED BY: J. SPORE  
 DATE: 12/05/22

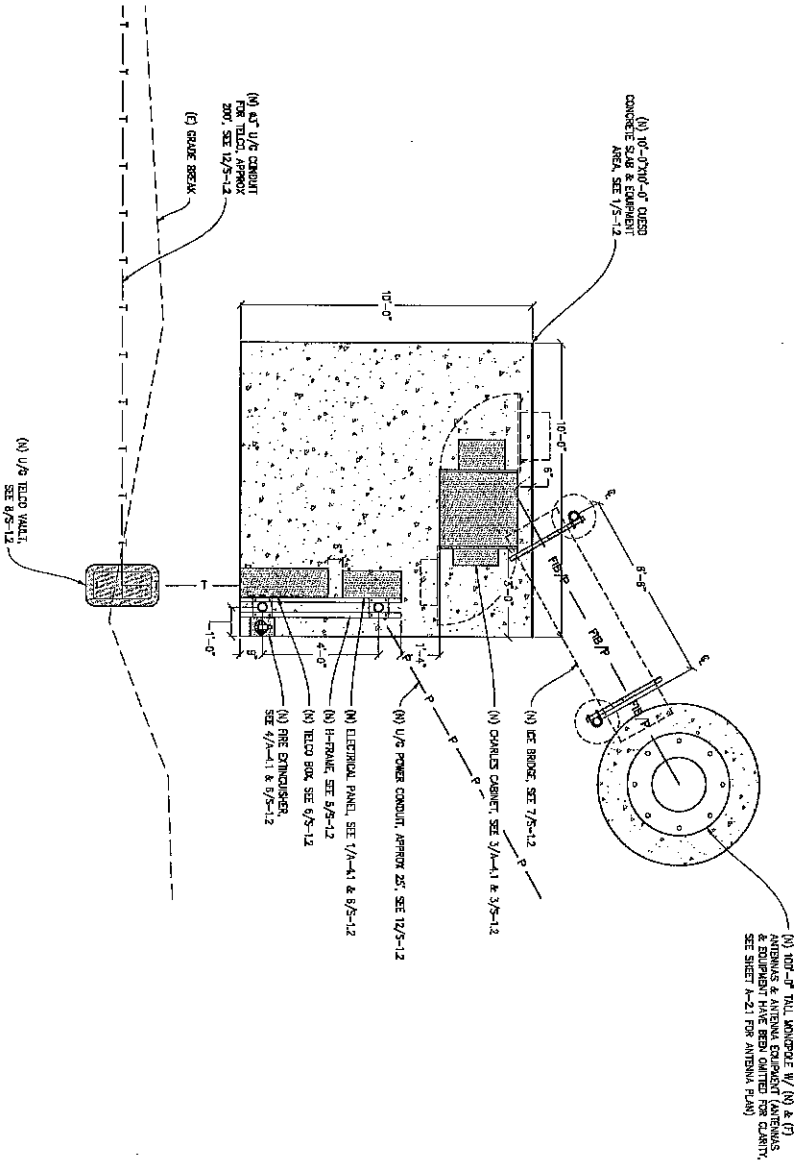
SHEET TITLE:  
**ENLARGED SITE PLAN**  
 SHEET NUMBER:  
**A-1.2**

**NOTICE**  
 NEW MONOPOLE TO BE ANALYZED BY OTHERS. STREAMLINE ENGINEERING & DESIGN INC. IS NOT RESPONSIBLE FOR THE EVALUATION OF THE NEW TOWER, BASE PLATE, ANCHOR BOLTS, OR FOUNDATION.





### EQUIPMENT PLAN



**NOTICE**

NEW MONORAIL TO BE ANALYZED BY OTHERS. STREAMLINE ENGINEERING & DESIGN, INC. IS NOT RESPONSIBLE FOR THE EVALUATION OF THE NEW TOWER BASE PLATE ANCHOR BOLTS OR FOUNDATION.

ISSUE STATUS		
Δ DATE	DESCRIPTION	REV.
12/06/22	ISSUE	1.0
11/24/22	Q.1 REV	1.0
11/24/22	Q.1 ANTEN	1.0
12/06/22	SD TOWER	1.0

DRAWN BY: C. COBY  
 CHECKED BY: S. SWANG  
 APPROVED BY: A. SPRUE  
 DATE: 12/06/22

SHEET TITLE:  
 EQUIPMENT PLAN

SHEET NUMBER:  
 A-1.3



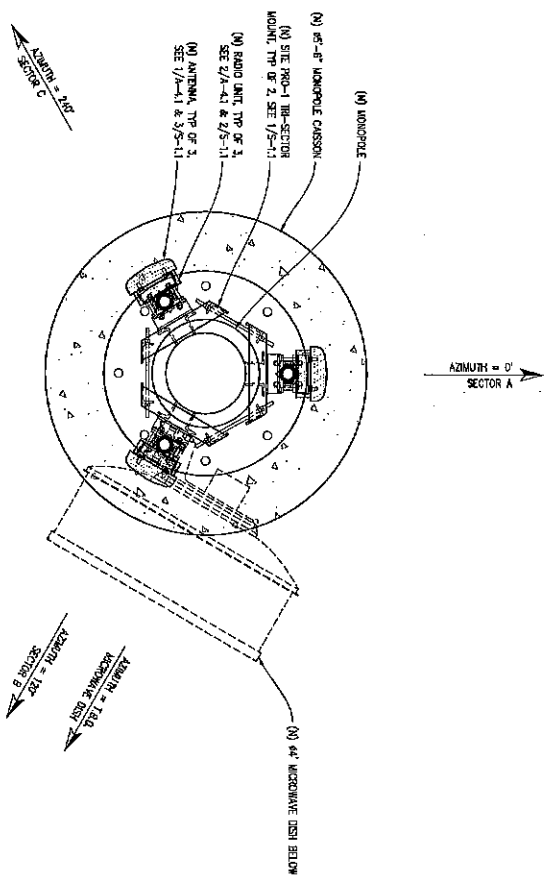
**Streamline Engineering**  
 engineering inc.

8446 Sierra College Blvd, Suite E Granite Bay, CA 95746  
 Contact: Kevin Sorensen Phone: 916-865-1930  
 E-Mail: kevin@streamlineeng.com Fax: 916-865-1941


**WEST STREET TOWER**

364 HOGS STREET  
 CORNING, CA 96021





ANTENNA PLAN  
1"=1'-0"



**NOTICE**  
NEW MONOPOLE TO BE ANALYZED BY OTHER STRUCTURE ENGINEERING & DESIGN INC. IS NOT RESPONSIBLE FOR THE EVALUATION OF THE NEW TOWER, BASE PLATE, ANCHOR BOLTS, OR FOUNDATION.

ISSUE STATUS	
Δ	DATE DESCRIPTION REVISION
1	09/09/21 CD SMC
2	11/03/21 CD SMC
3	12/05/21 CD SMC
4	12/05/21 CD SMC
5	12/05/21 CD SMC
6	12/05/21 CD SMC
7	12/05/21 CD SMC
8	12/05/21 CD SMC
9	12/05/21 CD SMC
10	12/05/21 CD SMC

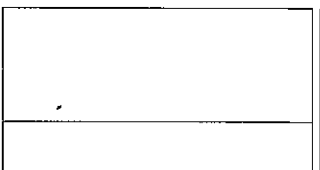
DRAWN BY: C. COOY  
CHECKED BY: S. SANC  
APPROVED BY: J. SPORG  
DATE: 12/05/22

SHEET TITLE:  
ANTENNA PLAN  
SHEET NUMBER:  
A2.1



**Streamline Engineering and Design, Inc.**  
8445 Sierra College Blvd, Suite E Granite Bay, CA 95746  
Contact: Kevin Sorensen Phone: 916-850-1930  
E-Mail: kevin@streamlineeng.com Fax: 916-850-1941

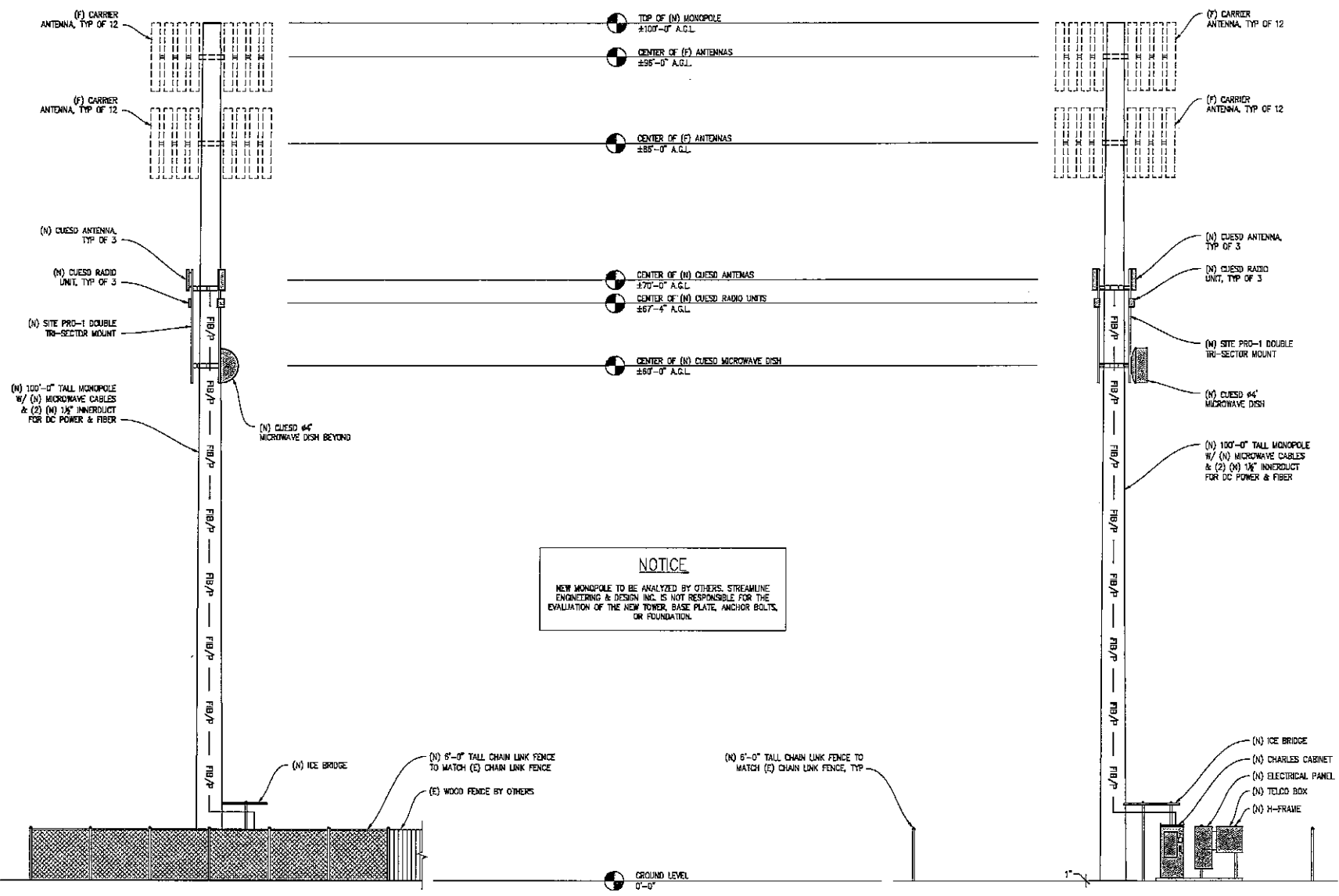
THIS IS AN UNOFFICIAL REPRESENTATION OF THE PROJECT AND SHOULD NOT BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN CONSENT OF THE ENGINEER. CONTACT THE ENGINEER FOR ANY QUESTIONS OR CONCERNS.



WEST STREET TOWER  
8445 SIERRA COLLEGE BLVD  
GRANITE BAY, CA 95746

# WEST STREET TOWER

864 HOAG STREET  
CORNING, CA 96021



**NOTICE**  
NEW MONOPOLE TO BE ANALYZED BY OTHERS. STREAMLINE ENGINEERING & DESIGN INC. IS NOT RESPONSIBLE FOR THE EVALUATION OF THE NEW TOWER, BASE PLATE, ANCHOR BOLTS, OR FOUNDATION.

**WEST ELEVATION**  
3/16"=1'-0"

**SOUTH ELEVATION**  
3/16"=1'-0"

**Streamline Engineering**  
  
 844E Sierra College Blvd, Suite E Grants Pass, CA 96246  
 Contact: Kevin Sorenson Phone: 530-969-1930  
 E-Mail: kevin@streamlineeng.com Fax: 916-669-1641  
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**ISSUE STATUS**

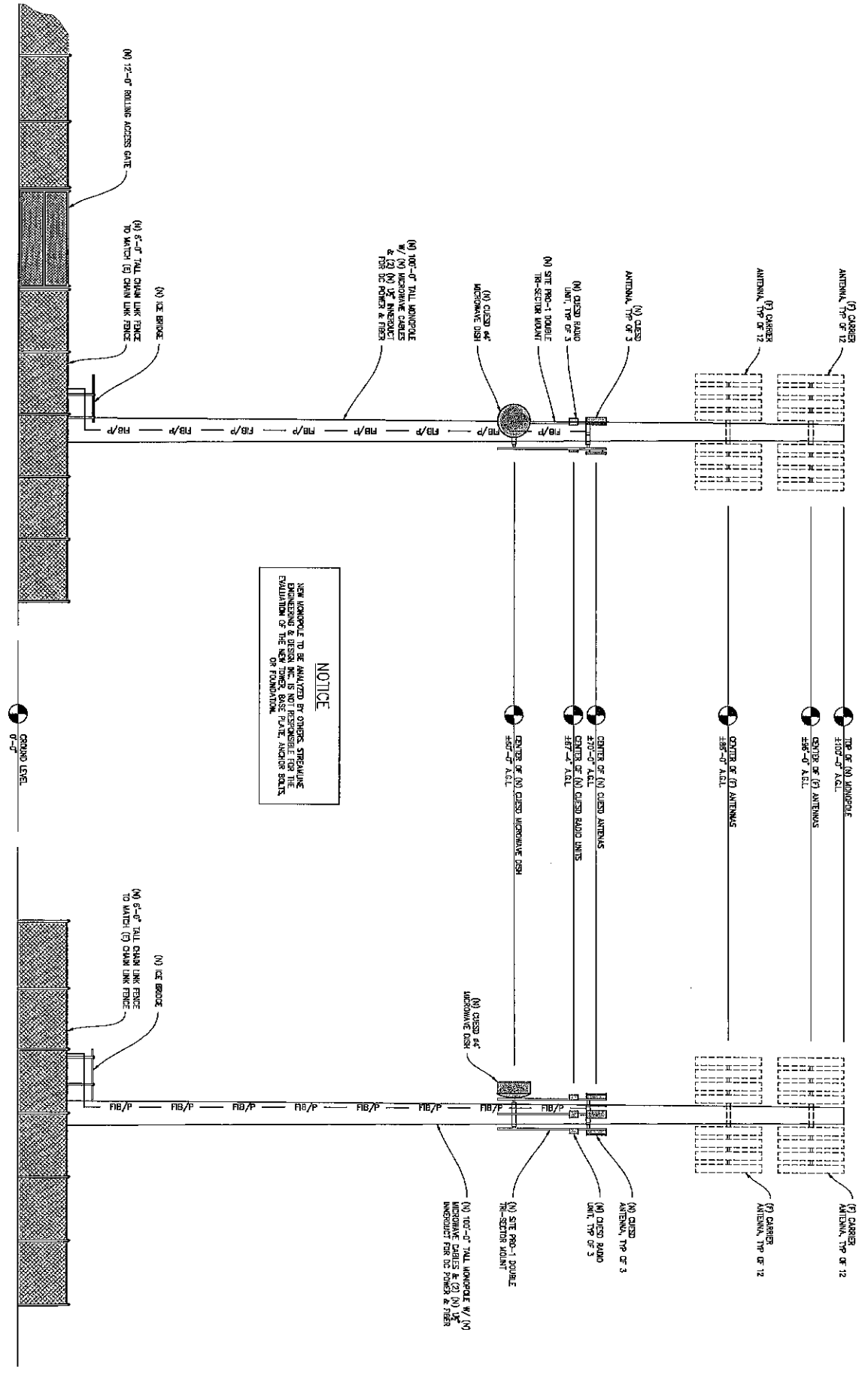
Δ	DATE	DESCRIPTION	REV.
	09/09/22	CD BOX	C.C.
	11/03/22	CLIENT REV	C.C.
	11/23/22	CLIENT REV	C.C.
	12/05/22	CD 100%	S.D.

DRAWN BY: C. CODY  
 CHECKED BY: S. SAUG  
 APPROVED BY: J. SPORE  
 DATE: 12/05/22

SHEET TITLE:  
**ELEVATIONS**  
 SHEET NUMBER:  
**A-3.1**

EAST ELEVATION  
3/16"=1'-0"

NORTH ELEVATION  
3/16"=1'-0"



**NOTICE**  
THIS WORKSHOULD BE ANALYZED BY OTHER STRUCTURAL ENGINEERS TO DETERMINE THE EXISTING FOUNDATION OF THE TOWER BASE FOR CABLE ANCHORAGE OR FOUNDATION.

ISSUE STATUS	
Δ	DESCRIPTION
09/09/21	CD SWG
11/01/21	CD SWG
12/05/22	CD SWG
	CD SWG
	CD SWG
	CD SWG

DRAWN BY: C. COOY  
 CHECKED BY: S. SWAN  
 APPROVED BY: A. SWANE  
 DATE: 12/05/22

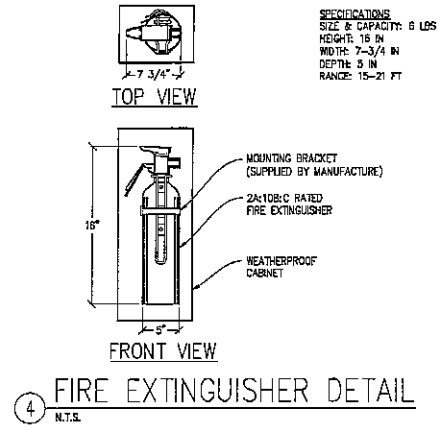
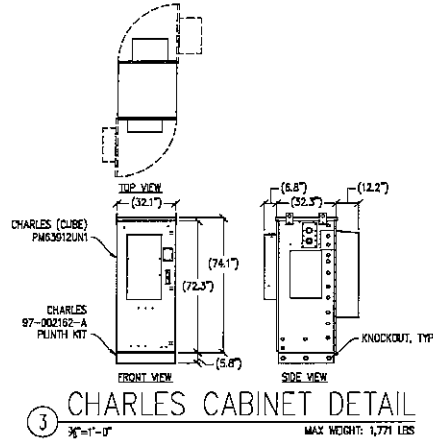
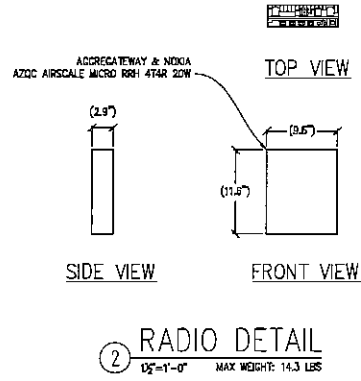
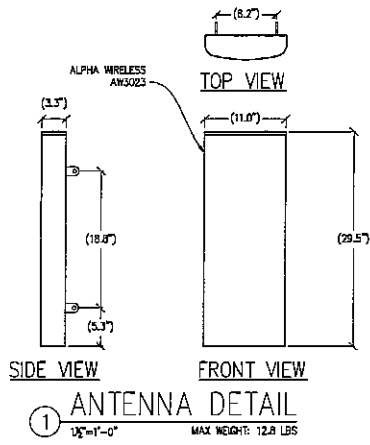
SHEET TITLE: ELEVATIONS  
 SHEET NUMBER: A-3.2



**Streamline Engineering and Design, Inc.**  
 6445 Stern College Blvd, Suite E Granite Bay, CA 95746  
 Contact: Kevin Sorensen Phone: 916-654-1930  
 E-Mail: ksorens@streamlineeng.com Fax: 916-660-1941

WEST STREET TOWER

364 RIVALS STREET  
 CORNELL, CA 94901



WEST  
STREET  
TOWER

864 HOAG STREET  
CORNING, CA 95021

**Streamline Engineering**  
CORNING, CALIFORNIA

8445 Shivers College Blvd, Suite E Corning, CA 95746  
Contact: Kevin Sorenson Phone: 915-664-1930  
E-Mail: kevin@streamlineeng.com Fax: 915-664-1941

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ISSUE STATUS

Δ	DATE	DESCRIPTION	REV.
	09/09/22	CD 80%	C.C.
	11/03/22	CLIENT REV	C.C.
	11/23/22	CLIENT REV	C.C.
	12/05/22	CD 100%	S.D.

DRAWN BY: C. CODY  
CHECKED BY: S. SAHNG  
APPROVED BY: J. SPORE  
DATE: 12/05/22

SHEET TITLE:  
DETAILS  
SHEET NUMBER:  
A-4.1

**CONSTRUCTION NOTES**

1. BEFORE BUILDING CONSTRUCTION CONDITIONS INDICATED ON THE DRAWINGS SHALL BE FULFILLED BY THE CONTRACTOR PRIOR TO PROCEEDING WITH CONSTRUCTION OF MATERIALS. IF EXISTING CONDITIONS DO NOT ALLOW FOR DETAILS OR CONDITIONS TO BE SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL ADVISE THE ARCHITECT IMMEDIATELY IN WRITING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS, EXISTING CONDITIONS IN A THOROUGH MANNER SUCH THAT ALTERNATE DESIGNS OR DETAILS, IF REQUIRED, MAY BE DEVELOPED WITHOUT DELAY TO THE PROJECT.
2. BEFORE CONSTRUCTION THE CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY CHANGE OR VARIATION TO THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, EXISTING CONDITIONS IN A THOROUGH MANNER SUCH THAT ALTERNATE DESIGNS OR DETAILS, IF REQUIRED, MAY BE DEVELOPED WITHOUT DELAY TO THE PROJECT.
3. THE INTENT OF THESE DRAWINGS IS THAT THE WORK OF THE ADDITIONAL CONSTRUCTION OF RECONSTRUCTION IS TO BE IN ACCORDANCE WITH THE EXISTING CONSTRUCTION AS DESCRIBED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, EXISTING CONDITIONS IN A THOROUGH MANNER SUCH THAT ALTERNATE DESIGNS OR DETAILS, IF REQUIRED, MAY BE DEVELOPED WITHOUT DELAY TO THE PROJECT.
4. ALL WORK AND MATERIALS SHALL BE NEW UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, EXISTING CONDITIONS IN A THOROUGH MANNER SUCH THAT ALTERNATE DESIGNS OR DETAILS, IF REQUIRED, MAY BE DEVELOPED WITHOUT DELAY TO THE PROJECT.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, EXISTING CONDITIONS IN A THOROUGH MANNER SUCH THAT ALTERNATE DESIGNS OR DETAILS, IF REQUIRED, MAY BE DEVELOPED WITHOUT DELAY TO THE PROJECT.

**CONCRETE NOTES**

1. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO AC 308.4, CONCRETE MIX DESIGN SHALL BE REVIEWED BY THE ARCHITECT PRIOR TO PROCEEDING WITH CONSTRUCTION.
2. CONTRACTOR SHALL VERIFY SET CONDITIONS & ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, EXISTING CONDITIONS IN A THOROUGH MANNER SUCH THAT ALTERNATE DESIGNS OR DETAILS, IF REQUIRED, MAY BE DEVELOPED WITHOUT DELAY TO THE PROJECT.
3. ALL CONCRETE SHALL BE A MINIMUM 5,000 PSI WITH A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI AT 28 DAYS.
4. ALL CONCRETE SHALL BE PLACED AND FINISHED TO THE FINISH CONDITION.
5. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.
6. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.
7. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.
8. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.
9. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.
10. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.
11. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.
12. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.
13. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.
14. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.
15. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.
16. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.
17. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.

**CONCRETE CORE/DRILLING NOTES**

1. WHEN INSTALLING DRILLING AND/OR REMOVED DRILLING PANS IN EXISTING NON-REINFORCED OR PARTIALLY REINFORCED CONCRETE (NO REINFORCING BARS), THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, EXISTING CONDITIONS IN A THOROUGH MANNER SUCH THAT ALTERNATE DESIGNS OR DETAILS, IF REQUIRED, MAY BE DEVELOPED WITHOUT DELAY TO THE PROJECT.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, EXISTING CONDITIONS IN A THOROUGH MANNER SUCH THAT ALTERNATE DESIGNS OR DETAILS, IF REQUIRED, MAY BE DEVELOPED WITHOUT DELAY TO THE PROJECT.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, EXISTING CONDITIONS IN A THOROUGH MANNER SUCH THAT ALTERNATE DESIGNS OR DETAILS, IF REQUIRED, MAY BE DEVELOPED WITHOUT DELAY TO THE PROJECT.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, EXISTING CONDITIONS IN A THOROUGH MANNER SUCH THAT ALTERNATE DESIGNS OR DETAILS, IF REQUIRED, MAY BE DEVELOPED WITHOUT DELAY TO THE PROJECT.

**EXPANSION & EPOXY ANCHORS**

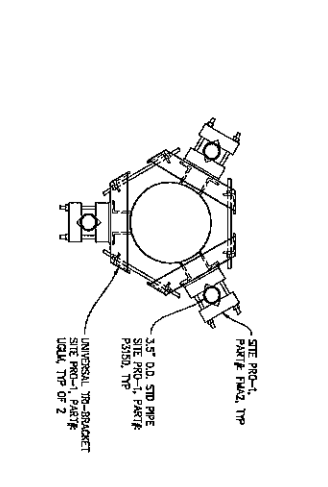
1. REPAIRMENTS AND EPOXY ANCHORS SHALL BE IN COMPLIANCE WITH ALL REQUIREMENTS OF THE 2019 CALIFORNIA BUILDING CODE (CBC).
2. ALL ANCHORS PROVIDED SHALL BE INCLUDED IN EVALUATION REPORTS OF THE INTERNATIONAL CODE COUNCIL (ICC) AND SHALL BE EVALUATED FOR 2019 BC.
3. EPOXY ANCHORS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, EXISTING CONDITIONS IN A THOROUGH MANNER SUCH THAT ALTERNATE DESIGNS OR DETAILS, IF REQUIRED, MAY BE DEVELOPED WITHOUT DELAY TO THE PROJECT.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, EXISTING CONDITIONS IN A THOROUGH MANNER SUCH THAT ALTERNATE DESIGNS OR DETAILS, IF REQUIRED, MAY BE DEVELOPED WITHOUT DELAY TO THE PROJECT.

**STRUCTURAL STEEL NOTES**

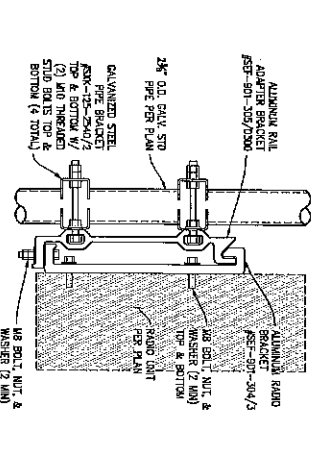
1. ALL STEEL CONSTRUCTION INCLUDING FABRICATION, ERECTION AND MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF THE 2019 CALIFORNIA BUILDING CODE (CBC).
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, EXISTING CONDITIONS IN A THOROUGH MANNER SUCH THAT ALTERNATE DESIGNS OR DETAILS, IF REQUIRED, MAY BE DEVELOPED WITHOUT DELAY TO THE PROJECT.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, EXISTING CONDITIONS IN A THOROUGH MANNER SUCH THAT ALTERNATE DESIGNS OR DETAILS, IF REQUIRED, MAY BE DEVELOPED WITHOUT DELAY TO THE PROJECT.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, EXISTING CONDITIONS IN A THOROUGH MANNER SUCH THAT ALTERNATE DESIGNS OR DETAILS, IF REQUIRED, MAY BE DEVELOPED WITHOUT DELAY TO THE PROJECT.

**CONCRETE TENSILE TEST VALUES**

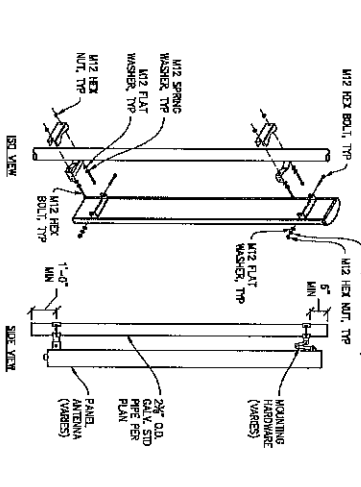
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1/2" DIA. TYP.	1/2" DIA. TYP.	1/2" DIA. TYP.
1/2" DIA. TYP.	1/2" DIA. TYP.	1/2" DIA. TYP.



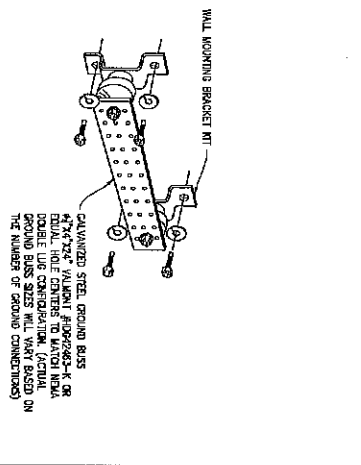
**1 TRI-SECTOR ANTENNA MOUNT**



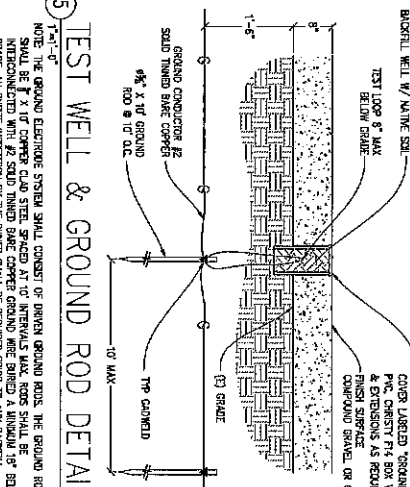
**2 RADIO UNIT MOUNTING**



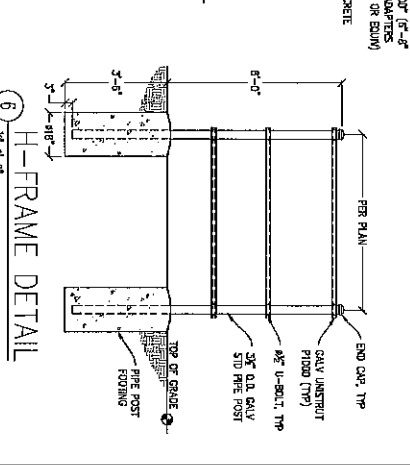
**3 ANTENNA MOUNT**



**4 GROUND BUSS DETAIL**



**5 TEST WELL & GROUND ROD DETAIL**



**6 H-FRAME DETAIL**

**Streamline Engineering and Design, Inc.**  
8445 Sierra College Blvd, Suite 5 Granite Bay, CA 95746  
Contact: Kevin Sorenson Phone: 916-660-1000  
E-Mail: kevin@streamlineeng.com Fax: 916-660-1041

**ISSUE STATUS**

Δ	DATE	DESCRIPTION	REV
	11/09/2021	01 SDC	1.1
	11/09/2021	02 SDC	1.2
	11/09/2021	03 SDC	1.3
	11/09/2021	04 SDC	1.4

CHECKED BY: S. SWAYE  
APPROVED BY: J. SWAYE  
DATE: 12/09/22

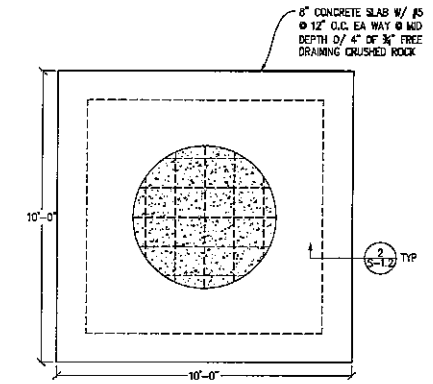
**STRUCTURAL NOTES & DETAILS**

SHEET NUMBER: **S-1.1**

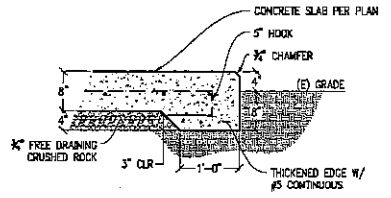
**WEST STREET TOWER**  
604 HOUND STREET  
SACRAMENTO, CA 95811

# WEST STREET TOWER

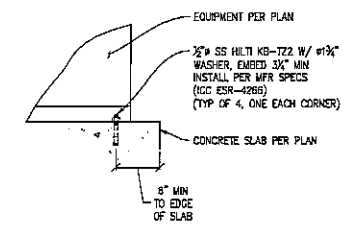
864 HOAG STREET  
CORNING, CA 96001



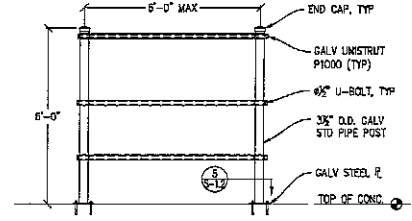
① CONCRETE SLAB DETAIL  
3/8"=1'-0"



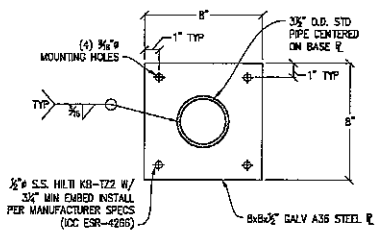
② THICKENED EDGE SLAB  
1"=1'-0"



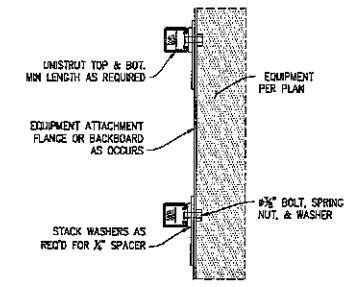
③ CABINET TO CONC  
1 1/2"=1'-0"



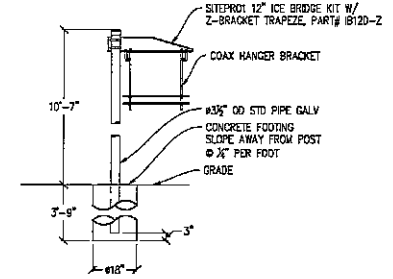
④ H-FRAME DETAIL  
1/2"=1'-0"



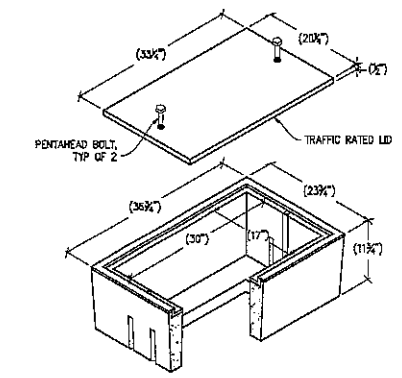
⑤ H-FRAME BASE PLATE  
3"=1'-0"



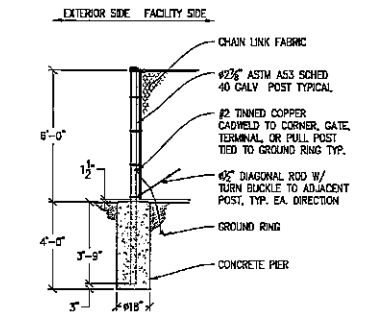
⑥ EQUIPMENT MOUNTING  
3"=1'-0"



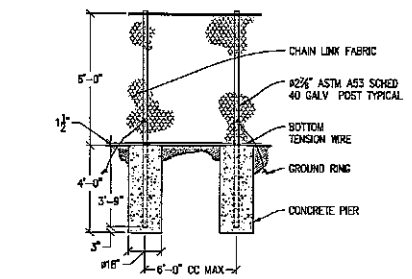
⑦ ICE BRIDGE DETAIL  
1/2"=1'-0"



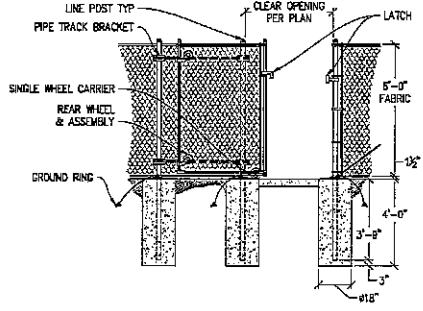
⑧ B1730 HANDHOLE DETAIL  
NOT TO SCALE



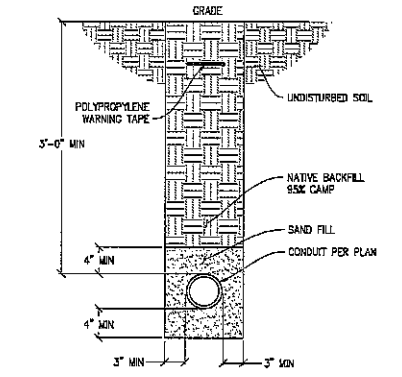
⑨ CORNER POST DETAIL  
3/8"=1'-0"



⑩ LINE POST DETAIL  
3/8"=1'-0"



⑪ SLIDE GATE DETAIL  
3/8"=1'-0"

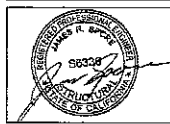


⑫ CONDUIT TRENCH DETAIL  
1/8"=1'-0"

**Streamline Engineering**  
COMMUNICATIONS DIVISION

8445 Sierra College Blvd, Suite 8 Corning, CA 96046  
Corning, CA 96046  
Contact Kevin Strassman, Phone: 531-866-1930  
E-Mail: kstrass@streamlineeng.com Fax: 531-866-1941

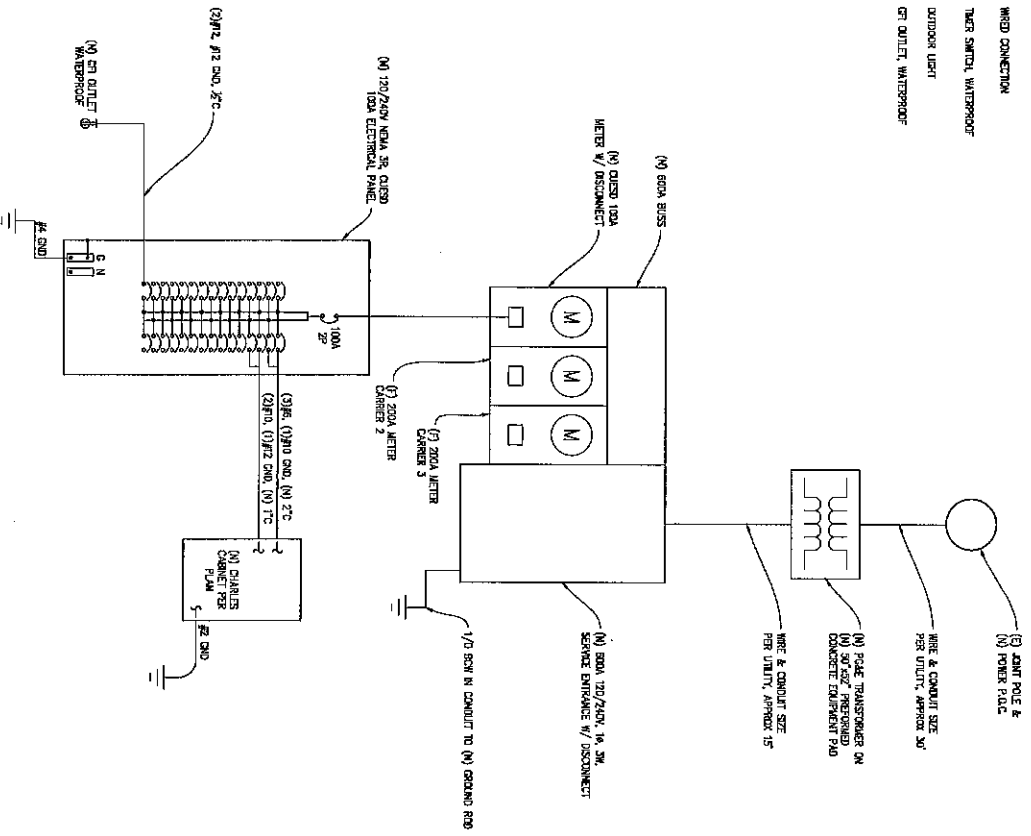
WE DESIGN AND CONSTRUCT COMMUNICATIONS AND DATA CENTERS, TELEPHONE EXCHANGES, AND ALL TYPES OF COMMUNICATIONS AND DATA NETWORKS. WE ARE A FULL SERVICE ENGINEERING AND CONSTRUCTION FIRM. ALL WORK IS GUARANTEED.



ISSUE STATUS			
DATE	DESCRIPTION	REV.	
09/09/22	CD 50%	C.C.	
07/05/22	CLIENT REV	C.C.	
07/23/22	CLIENT REV	C.C.	
12/05/22	CD 100%	S.D.	
-	-	-	-
-	-	-	-
DRAWN BY: C. COOY			
CHECKED BY: S. SAWO			
APPROVED BY: J. SPORRE			
DATE: 12/05/22			
SHEET TITLE:			
STRUCTURAL DETAILS			
SHEET NUMBER:			
S-1.2			

**ELECTRICAL LEGEND**

- (M) MECHANICAL INTERLOCK
- (N) NEUTRAL
- (C) CIRCUIT BREAKER
- (G) SERVICE GROUND
- (W) WIRING CONNECTION
- (P) THREE PHASE WATERPROOF
- (L) OUTDOOR LIGHT
- (O) OUTLET WATERPROOF



**SINGLE LINE DIAGRAM**

**ELECTRICAL LABELING REQUIREMENTS**

1. CONTRACTOR SHALL LABEL ALL ELECTRICAL DEVICES INSTALLED OR ALTERED PURSUANT TO THIS CONTRACT PER THE FOLLOWING. LABELS SHALL BE PERMANENT BLACK ON WHITE PAPER AND SHALL BE 1/2" HIGH BY 1 1/2" WIDE. ALL ELECTRICAL DEVICES SHALL BE LABELED WITH THE FOLLOWING INFORMATION:
  - 1. ALL PANELS, RACKS AND RAIL DEVICES SHALL BE LABELED WITH DEVICE NAME, VOLTAGES, RATING FOR WATTS, AND TED FROM DATA.
  - 2. ALL SWITCHES & OUTLET PLATES SHALL BE LABELED WITH TED FROM DATA, REMAINING W/IT ON LEFT OF THE MAIN SWITCHING POINT FOR EACH FROM FOR COORDINATION/W/PERMITS LABELS.
  - 3. ALL CIRCUITS SERVING A PANEL BOARD SHALL BE LABELED WITH THE TED FROM DATA (SERIES).
  - 4. ALL (O) OR RETROFITTED LIGHTING FIXTURES SHALL BE LABELED WITH THE TED FROM DATA (SERIES).
  - 5. ALL CIRCUITS SERVING A ROOM OR FLOOR SHALL BE LABELED AT THE ENTRY & EXIT (OR IN A SINGLE LOCATION IF GROUND W/IT FROM - & TO PANEL/ROOM/ DATA).
  - 6. TED FROM DATA = Special name - shape etc. PANEL XY.1.57

TYPICAL LOAD TABLE 240V	
CARRIER	LOAD KVA
(N) CUESO	8.6 KVA
(F) CARRIER 2	22 KVA
(F) CARRIER 3	27 KVA
TOTAL	62.6 KVA

**ELECTRICAL NOTES**

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE 2010 NEC AS WELL AS ALL APPLICABLE STANDARDS, SPECIFICATIONS AND LOCAL CODES.
2. CONTRACTOR SHALL DESIGN AND INSTALL ALL CONDUIT, CONDUIT SCHEDULES SHALL BE LABELED WITH THE FOLLOWING INFORMATION:
  - 1. ALL ELECTRICAL DEVICES SHALL BE LABELED WITH THE TED FROM DATA (SERIES).
  - 2. ALL SWITCHES & OUTLET PLATES SHALL BE LABELED WITH TED FROM DATA, REMAINING W/IT ON LEFT OF THE MAIN SWITCHING POINT FOR EACH FROM FOR COORDINATION/W/PERMITS LABELS.
  - 3. ALL CIRCUITS SERVING A PANEL BOARD SHALL BE LABELED WITH THE TED FROM DATA (SERIES).
  - 4. ALL (O) OR RETROFITTED LIGHTING FIXTURES SHALL BE LABELED WITH THE TED FROM DATA (SERIES).
  - 5. ALL CIRCUITS SERVING A ROOM OR FLOOR SHALL BE LABELED AT THE ENTRY & EXIT (OR IN A SINGLE LOCATION IF GROUND W/IT FROM - & TO PANEL/ROOM/ DATA).
  - 6. TED FROM DATA = Special name - shape etc. PANEL XY.1.57
3. ALL ELECTRICAL DEVICES SHALL BE LABELED WITH THE TED FROM DATA (SERIES).
4. ALL SWITCHES & OUTLET PLATES SHALL BE LABELED WITH TED FROM DATA, REMAINING W/IT ON LEFT OF THE MAIN SWITCHING POINT FOR EACH FROM FOR COORDINATION/W/PERMITS LABELS.
5. ALL CIRCUITS SERVING A PANEL BOARD SHALL BE LABELED WITH THE TED FROM DATA (SERIES).
6. ALL (O) OR RETROFITTED LIGHTING FIXTURES SHALL BE LABELED WITH THE TED FROM DATA (SERIES).
7. ALL OUTDOOR EQUIPMENT SHALL HAVE NEARBY OR 70C MET.
8. ELECTRICAL WORK SHALL BE LABELED WITH THE TED FROM DATA (SERIES).
9. ALL ELECTRICAL WORK SHALL BE LABELED WITH THE TED FROM DATA (SERIES).
10. ALL ELECTRICAL WORK SHALL BE LABELED WITH THE TED FROM DATA (SERIES).
11. ALL ELECTRICAL WORK SHALL BE LABELED WITH THE TED FROM DATA (SERIES).
12. ALL ELECTRICAL WORK SHALL BE LABELED WITH THE TED FROM DATA (SERIES).

**PANEL SCHEDULE**

SUBELEMENT: PANEL A		SCHEDULE: 240V		VOLTAGE: 120/240V, 1Ø			
NO.	DESCRIPTION	LOAD VA	LOAD VA	NO.	DESCRIPTION	LOAD VA	LOAD VA
1	100A MAIN BREAKER			1	100A MAIN BREAKER		
2	200A CIRCUIT BREAKER			2	200A CIRCUIT BREAKER		
3	200A CIRCUIT BREAKER			3	200A CIRCUIT BREAKER		
4	200A CIRCUIT BREAKER			4	200A CIRCUIT BREAKER		
5	100A BUS			5	100A BUS		
6	100A BUS			6	100A BUS		
7	100A BUS			7	100A BUS		
8	100A BUS			8	100A BUS		
9	100A BUS			9	100A BUS		
10	100A BUS			10	100A BUS		
11	100A BUS			11	100A BUS		
12	100A BUS			12	100A BUS		
13	100A BUS			13	100A BUS		
14	100A BUS			14	100A BUS		
15	100A BUS			15	100A BUS		
16	100A BUS			16	100A BUS		
17	100A BUS			17	100A BUS		
18	100A BUS			18	100A BUS		
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21	100A BUS			21	100A BUS		
22	100A BUS			22	100A BUS		
23	100A BUS			23	100A BUS		
24	100A BUS			24	100A BUS		
25	100A BUS			25	100A BUS		
26	100A BUS			26	100A BUS		
27	100A BUS			27	100A BUS		
28	100A BUS			28	100A BUS		
29	100A BUS			29	100A BUS		
30	100A BUS			30	100A BUS		
GR. RECEPTANCE		20/1	29	PHASE TOTALS		4200	4200
TOTAL VA =		6580		TOTAL VA =		4200	4200

**ISSUE STATUS**

Δ DATE	DESCRIPTION	REV.
09/09/21	00 50%	1
11/05/21	01 100%	2
12/05/21	02 100%	3

DRAWN BY: C. COOY  
 CHECKED BY: S. SVAIG  
 APPROVED BY: J. SPENCER  
 DATE: 12/05/22

SHEET TITLE: ELECTRICAL PLAN  
 SHEET NUMBER: E-1.1



**Streamline Engineering and Design, Inc.**

8446 Stern College Blvd, Suite E, Granite Bay, CA 95746  
 Contact: Kevin Sonerson Phone: 916-866-1630  
 E-Mail: kevin@streamlineeng.com Fax: 916-860-1941

**WEST STREET TOWER**

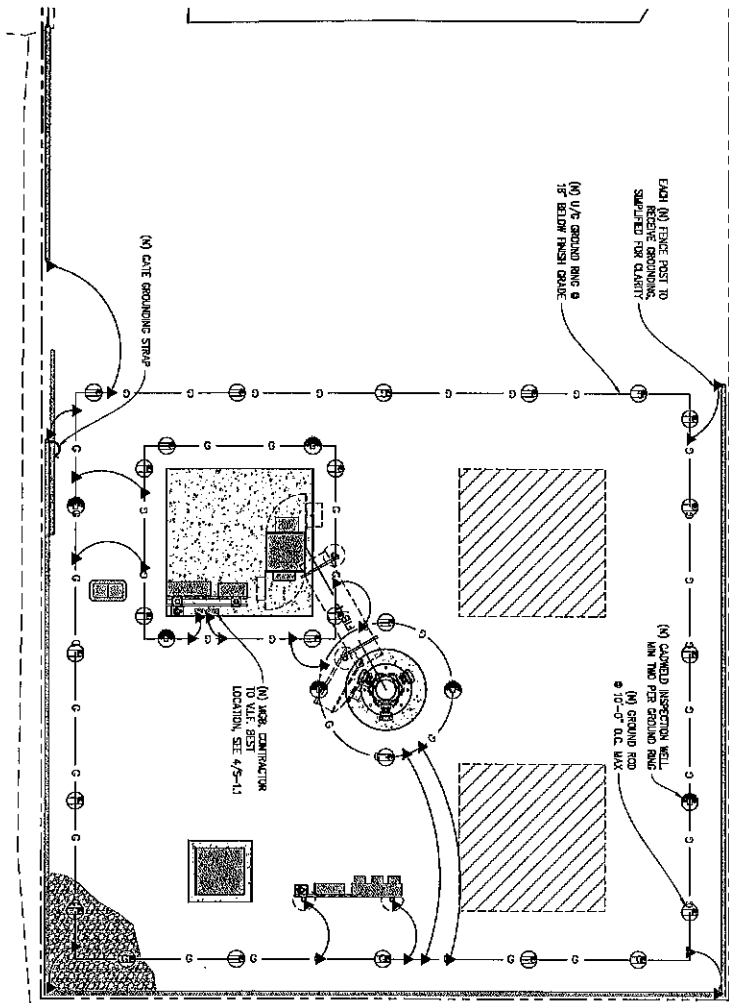
840 W. STREET  
 CONCORD, CA 94501

### GROUNDING NOTES

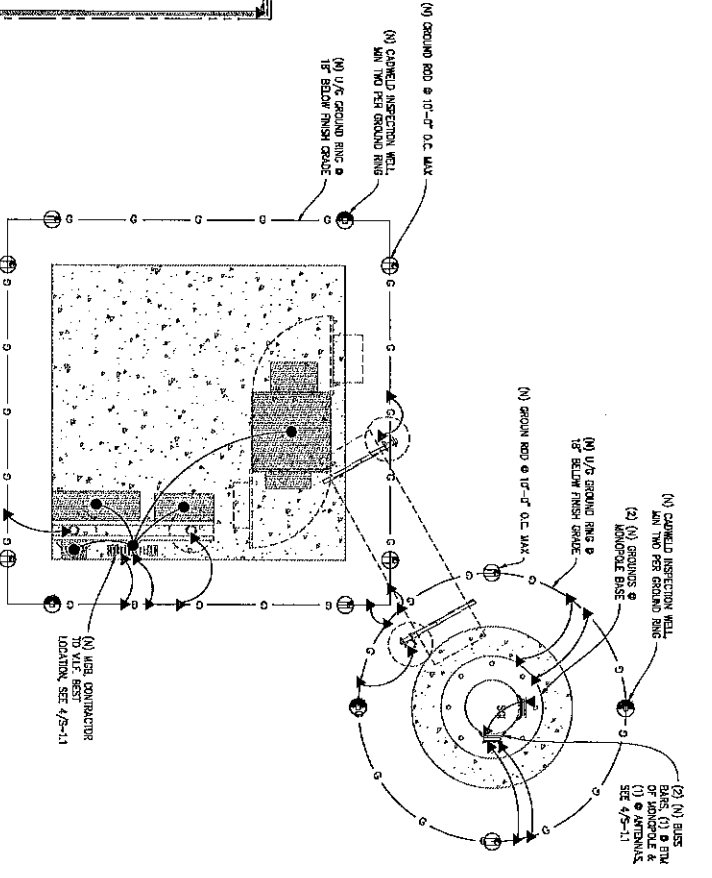
1. GROUNDING SHALL COMPLY WITH REG. ARTICLE 250
  2. GROUNDING UNLESS OTHERWISE SPECIFIED AND AS SHOWN SHALL BE IN CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE (NEC)
  3. EXTERIOR WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE
  4. GROUNDING CONNECTIONS SHALL BE MADE WITH BONDING HYPERTERM WELDS
  5. CONNECTIONS TO EQUIPMENT SHALL BE MADE USING STAINLESS STEEL HARDWARE
  6. WEATHER PROTECTING OVER COAT SHALL BE USED AT ALL CONNECTIONS FOR CONNECTIONS TO BRASS WASHERS AND NUTS OR EQUIPMENT PLATED BETWEEN CONDUCTORS
  7. CORNER LUGS WITH STAIN WASHERS AND NUTS OR EQUIPMENT PLATED BETWEEN CONDUCTORS SHALL BE USED AT ALL CONNECTIONS
  8. ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH, IF PRACTICABLE, AND USE THE SHORTEST AND STRAIGHTEST PATH, IF PRACTICABLE
  9. BE BEST AT ALL POINTS WHERE NECESSARY TO DRAIN OR LEAK, HOWEVER, AS NOTED IN THE PLAN OR OTHERWISE SPECIFIED, THE CONTRACTOR SHALL FURNISH ONE OF THE FOLLOWING FEASIBLE OPTIONS:
- A. CONNECT TO EXISTING GROUNDING SYSTEMS
  - B. CONNECT TO BUILDING STEEL COLUMNS
  - C. INSTALL A NEW GROUNDING SYSTEM
- UPON COMPLETION OF THE GROUNDING INSTALLATION, THE CONTRACTOR SHALL EMPLOY AN OWNER APPROVED 3RD PARTY TO CONDUCT A "FALL OFF POSITION" TEST AND SUBMIT A REPORT OF SAID TEST FOR APPROVAL TO OTHER THE OWNER OR CONSTRUCTION MANAGER.

### GROUNDING LEGEND

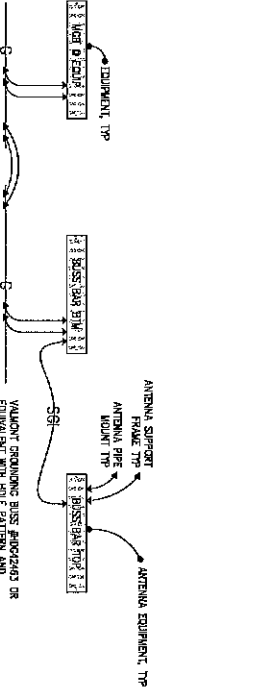
- MECHANICAL CONNECTION
- ◀ EXTERIOR DOWNWELD
- ⊕ CAMELBACK INSPECTION WELL
- ⊕ TYP. 2" DIA. X 10'-0" LONG COPPER CLAD GROUND ROD @ 10' O.C. MAX. & 18" MIN. BELOW FINISH GRADE
- ⊕ CAT GROUNDING STRAP
- ⊕ TYP. #2 TINED BOW UNDERGROUND CND BNS @ 12" MIN. BELOW FINISH GRADE
- ⊕ GROUND WIRE #2 STRANDED GREEN INSULATED WIRE



### GROUNDING PLAN



### ENLARGED GROUNDING PLAN



### GROUND BUSS CONNECTION DIAGRAM

NOT TO SCALE

**Streamline Engineering**  
and Design, Inc.

9445 Sierra College Blvd, Suite E Granite Bay, CA 95746  
Contact: Kevin Sorenson Phone: 916-660-1938  
E-Mail: [kevin@streamlineeng.com](mailto:kevin@streamlineeng.com) Fax: 916-660-1941

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**WEST STREET TOWER**

864 ROAD STREET  
CONNING, CA 95021

**ISSUE STATUS**

NO.	DATE	DESCRIPTION	REV.
1	10/12/22	ISSUE FOR PERMIT	1
2	11/15/22	REVISED PER COMMENTS	2
3	12/05/22	FOR ISSUE	3

DRAWN BY: C. COOY

CHECKED BY: S. SANG

APPROVED BY: J. SORNSON

DATE: 12/05/22

**GROUNDING PLANS**

SHEET NUMBER: \_\_\_\_\_

**E-1.2**