



SITE NUMBER: CCL00432
PROJECT: 4TX4RX SOFTWARE RETROFIT, 5G NR 1DR-1
SITE NAME: LAGUNA HONDA
USID # 12784 FA # 10088011
PACE #: MRSFR068779, MRSFR068762
PTN #: 3701A0T9H9, 3701A0TB64
375 LAGUNA HONDA BLVD
SAN FRANCISCO, CA 94131

RFDS VER. # 1.01 01/06/2020 ID# 3581095

CONSTRUCTION DRAWING
 IF USING 11"X17" PLOT, DRAWINGS WILL BE HALF SCALE

PROJECT DESCRIPTION

AT&T WIRELESS PROPOSES TO MODIFY AN EXISTING WIRELESS INSTALLATION. THE SCOPE WILL CONSIST OF THE FOLLOWING:

ANTENNA LOCATION:

- REMOVE (1) EXISTING AT&T PANEL ANTENNA, (1) PER SECTOR, (3) TOTAL
- REMOVE (1) EXISTING AT&T RRU5-11 B12, (1) PER SECTOR, (3) TOTAL
- INSTALL (1) NEW AT&T PANEL ANTENNA NHH-65A-RB14, (1) PER SECTOR, (3) TOTAL
- INSTALL (1) NEW AT&T RRU5 4449 B5/B12, (1) PER SECTOR, (3) TOTAL
- INSTALL (1) NEW AT&T DC-9 SURGE SUPPRESSOR PER SECTOR, (3) TOTAL
- INSTALL (2) NEW AT&T DC POWER TRUNKS PER SECTOR, (6) TOTAL
- INSTALL (1) NEW AT&T DC FIBER TRUNKS PER SECTOR, (3) TOTAL

EQUIPMENT LOCATION:


- REMOVE (1) EXISTING AT&T 100A SUB PANEL
- INSTALL (1) NEW AT&T DC-12 SURGE SUPPRESSOR IN (E) FIF RACK
- INSTALL (1) NEW AT&T 6630 IN (E) FIF RACK
- INSTALL (1) NEW AT&T 120/208VAC 3-PH 4-WIRE 125A SUB PANEL

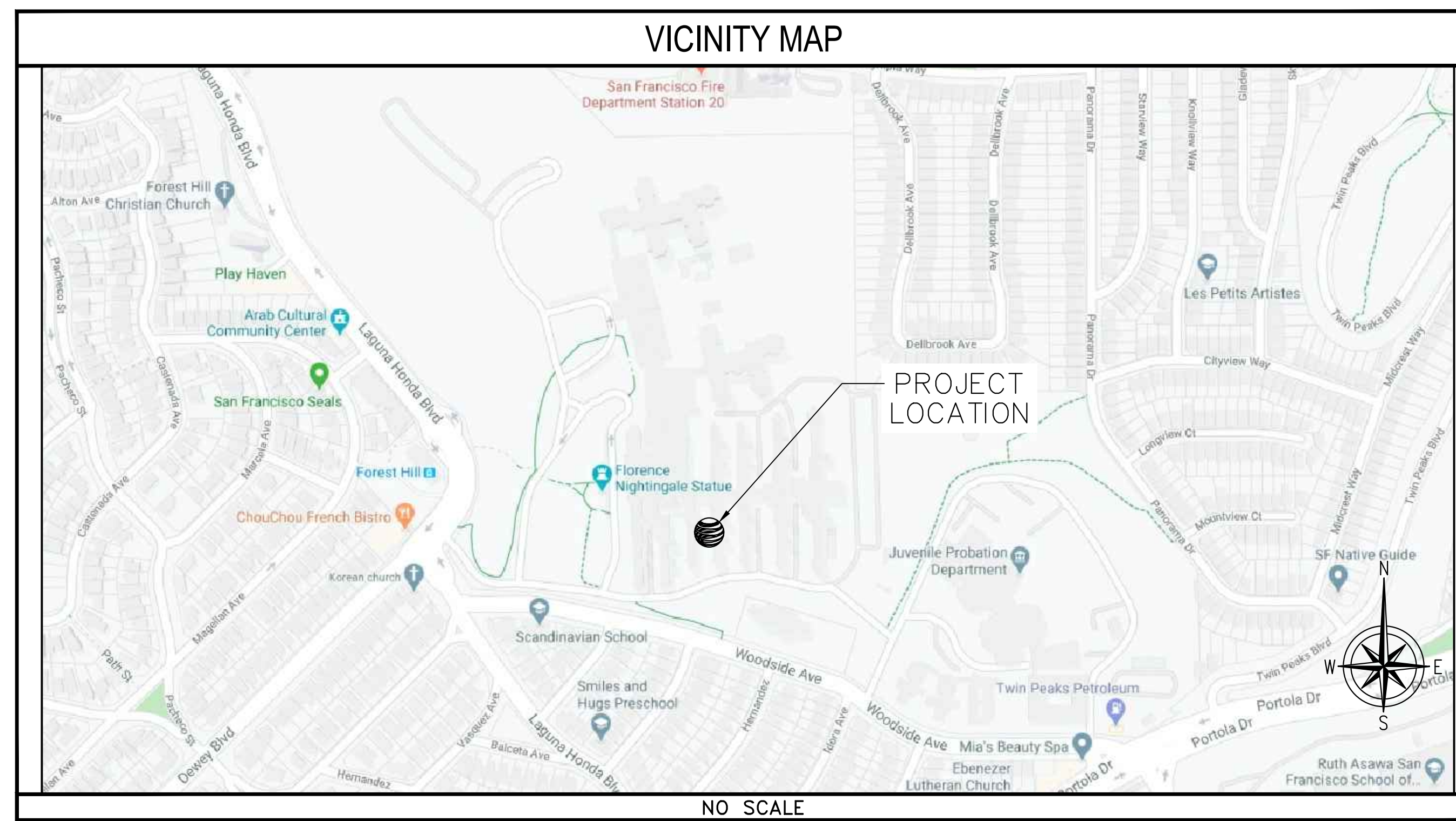
DRAWING INDEX

SHEET NO:		
1 OF 11	T-1	TITLE SHEET
2 OF 11	GN-1	GENERAL NOTES & SITE SIGNAGES
3 OF 11	FD-1	FIRE DEPARTMENT CHECK LIST
4 OF 11	EME-1	EME REPORT
5 OF 11	PS-1	PHOTOSIMS
6 OF 11	A-1	SITE PLAN
7 OF 11	A-2	ENLARGED SITE PLAN AND EQUIPMENT LAYOUTS
8 OF 11	A-3	ANTENNA LAYOUTS
9 OF 11	A-4	ELEVATIONS
10 OF 11	A-5	ELEVATIONS
11 OF 11	D-1	DETAILS

DO NOT SCALE DRAWINGS

SUBCONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.


UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA
 800-227-2600
 48 HOURS BEFORE YOU DIG



DRIVING DIRECTIONS

DIRECTIONS FROM AT&T OFFICE: 5001 EXECUTIVE PKWY SAN RAMON CA 94583
 HEAD SOUTHWEST, TURN RIGHT, TURN LEFT TOWARD EXECUTIVE PKWY, TURN RIGHT TOWARD EXECUTIVE PKWY, TURN RIGHT ONTO EXECUTIVE PKWY, TURN LEFT ONTO CAMINO RAMON, USE THE LEFT 2 LANES TO TURN LEFT ONTO CROW CANYON RD, USE THE RIGHT 2 LANES TO MERGE WITH I-680 N VIA THE RAMP TO SACRAMENTO, MERGE WITH I-680 N, USE THE RIGHT 2 LANES TO TAKE EXIT 46A FOR STATE ROUTE 24 TOWARD OAKLAND/LAFAYETTE, CONTINUE ONTO CA-24 W, KEEP LEFT AT THE Y JUNCTION TO STAY ON CA-24 W, USE THE RIGHT 2 LANES TO TAKE EXIT 2B FOR INTERSTATE 580 W, USE THE LEFT LANE TO MERGE WITH I-580 W, USE THE LEFT 3 LANES TO TAKE EXIT 19A TO MERGE WITH I-80 W TOWARD SAN FRANCISCO, KEEP RIGHT AT THE Y JUNCTION TO STAY ON I-80 W, MERGE WITH US-101 S, USE THE RIGHT LANE TO TAKE EXIT 431 FOR INTERSTATE 280 S TOWARD DALY CITY, USE THE RIGHT LANE TO MERGE WITH I-280 S, TAKE EXIT 53 TO MERGE WITH ALEMANY BLVD TOWARD MISSION ST, MERGE WITH ALEMANY BLVD, USE THE MIDDLE LANE TO STAY ON ALEMANY BLVD, TURN RIGHT ONTO ROUSSEAU ST, ROUSSEAU ST TURNS LEFT AND BECOMES STILL ST, SLIGHT RIGHT ONTO LYELL ST, TURN LEFT ONTO BOSWORTH ST, CONTINUE ONTO O'SHAUGHNESSY BLVD, CONTINUE ONTO WOODSIDE AVE, TURN RIGHT, TURN LEFT, TURN LEFT, TURN RIGHT 375 LAGUNA HONDA BLVD, SAN FRANCISCO, CA 94131.

ENGINEERING

2019 CALIFORNIA BUILDING CODE
 2019 CALIFORNIA TITLE 24
 2019 CALIFORNIA FIRE CODE
 2019 CALIFORNIA ENERGY CODE
 2019 CALIFORNIA MECHANICAL CODE
 TIA/EIA-222-G OR LATEST EDITION

GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

SITE INFORMATION

PROPERTY OWNER: CITY OF SAN FRANCISCO.
ADDRESS: 25 VAN NESS AVE. SAN FRANCISCO, CA 94102
SITE ADDRESS: 375 LAGUNA HONDA BLVD SAN FRANCISCO, CA 94131
APPLICANT: AT&T
ADDRESS: 5001 EXECUTIVE PKWY SAN RAMON CA 94583
APPLICANT REPRESENTATIVE: SMARTLINK LLC
ADDRESS: 2360 CIVIC DRIVE., STE. C PLEASANT HILL, CA 94523
LATITUDE (NAD 83): 37° 47' 51.9" N
LONGITUDE (NAD 83): 122° 27' 22.29984" W
LONGITUDE/LATITUDE TYPE: AMSL
GROUND ELEVATION: ±545.6 FEET (NAVD88)
APN #: 2842-007
ZONING JURISDICTION: CITY OF SAN FRANCISCO
CURRENT ZONING: -
POWER COMPANY: PG&E
TELCO COMPANY: AT&T
PROPOSED USE: UNMANNED TELECOM FACILITY
LEASE AREA (SF): TBD
CONSTRUCTION TYPE: TBD

PROJECT TEAM

PROJECT MANAGER: AT&T
 5001 EXECUTIVE PKWY SAN RAMON, CA 94583
 CONTACT: JEFF DEITHER
 jd786h@att.com
ENGINEER: INTELOCITY, LLC
 1875 CORONADO AVE. SIGNAL HILL, CALIFORNIA 90755
 CONTACT: JOSUE ROMERO
 PH: (714) 553-5316
 josue.romero@intelocity.com
SITE ACQUISITION: SMARTLINK LLC
 2360 CIVIC DRIVE., STE. C PLEASANT HILL, CA 94523
 CONTACT: CHET ANDERSON
 PHONE: (906) 370-2487
 chet.anderson@smartlinkllc.com
ZONING: SMARTLINK LLC
 2360 CIVIC DRIVE., STE. C PLEASANT HILL, CA 94523
 CONTACT: CHET ANDERSON
 PHONE: (906) 370-2487
 chet.anderson@smartlinkllc.com
RF ENGINEER: AT&T
 5001 EXECUTIVE PKWY SAN RAMON, CA 94583
 CONTACT: SAGAR BONDE
 PHONE: (323) 457-5845
 sb970r@att.com


CCL00432
 4TX4RX SOFTWARE RETROFIT,
 5G NR 1DR-1
 LAGUNA HONDA
 375 LAGUNA HONDA BLVD
 SAN FRANCISCO, CA 94131


 5001 EXECUTIVE PKWY
 SAN RAMON, CA 94583


 2360 CIVIC DRIVE., STE. C
 PLEASANT HILL, CA 94523

PLANS PREPARED BY:
INTELOCITY
 DESIGN | BUILD | INNOVATE
 1875 Coronado Ave
 Signal Hill, CA 90755
 A NUWAVE COMPANY

REV	DATE	DESCRIPTION	
4	05/05/20	100% CONSTRUCTION DRAWINGS	JG
3	04/13/20	95% CD AT&T REDLINES	GO
2	03/02/20	90% CONSTRUCTION DRAWINGS	RC/GO
1	02/14/20	85% CONSTRUCTION DRAWINGS	RC
0	10/25/18	80% CONSTRUCTION DRAWINGS	BC


 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET TITLE
TITLE SHEET
 SHEET NUMBER
T-1

GENERAL CONSTRUCTION NOTES

- FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:
GENERAL CONTRACTOR – OVERLAND CONTRACTING INC. (B&V)
SUBCONTRACTOR – CONTRACTOR (CONSTRUCTION)
OWNER – AT&T
- ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS AND AT&T PROJECT SPECIFICATIONS.
- GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL VISIT THE SITE AND SHALL FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS. GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. GENERAL CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF WORK.
- ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
- UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS THE MINIMUM REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND PREPARED BY THE ENGINEER PRIOR TO PROCEEDING WITH WORK.
- THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE ENGINEER PRIOR TO PROCEEDING.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFIRM TO ALL OSHA REQUIREMENTS AND THE LOCAL JURISDICTION.
- GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER DISCIPLINES.
- ERECTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMAN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST ACCEPTED PRACTICE. ALL MEMBERS SHALL BE LAID PLUMB AND TRUE AS INDICATED ON THE DRAWINGS.
- SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH UL LISTED MATERIALS APPROVED BY LOCAL JURISDICTION. SUBCONTRACTOR SHALL KEEP AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DEBRIS.
- WORK PREVIOUSLY COMPLETED IS REPRESENTED BY LIGHT SHADED LINES AND NOTES. THE SCOPE OF WORK FOR THIS PROJECT IS REPRESENTED BY DARK SHADED LINES AND NOTES. SUBCONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR OF ANY EXISTING CONDITIONS THAT DEVIATE FROM THE DRAWINGS PRIOR TO BEGINNING CONSTRUCTION.
- SUBCONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
- THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
- GENERAL CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND SUBCONTRACTORS TO THE SITE AND/OR BUILDING.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE SITE FOR THE DURATION OF CONSTRUCTION UNTIL JOB COMPLETION.
- THE GENERAL CONTRACTOR SHALL MAINTAIN IN GOOD CONDITION ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA, AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES.
- THE GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL PROVIDE PORTABLE FIRE EXTINGUISHERS WITH A RATING OF NOT LESS THAN 2-A OR 2-A10-BC AND SHALL BE WITHIN 25 FEET OF TRAVEL DISTANCE TO ALL PORTIONS OF WHERE THE WORK IS BEING COMPLETED DURING CONSTRUCTION.
- ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS SHALL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION, B) CONFINED SPACE, C) ELECTRICAL SAFETY, AND D) TRENCHING & EXCAVATION.
- ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED, CAPPED, PLUGGED OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE RESPONSIBLE ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.
- THE AREAS OF THE OWNER'S PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION.
- SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE FEDERAL AND LOCAL JURISDICTION FOR EROSION AND SEDIMENT CONTROL.
- NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUNDING. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
- THE SUBGRADE SHALL BE BROUGHT TO A SMOOTH UNIFORM GRADE AND COMPACTED TO 95 PERCENT STANDARD PROCTOR DENSITY UNDER PAVEMENT AND STRUCTURES AND 80 PERCENT STANDARD PROCTOR DENSITY IN OPEN SPACE. ALL TRENCHES IN PUBLIC RIGHT OF WAY SHALL BE BACKFILLED WITH FLOWABLE FILL OR OTHER MATERIAL PRE-APPROVED BY THE LOCAL JURISDICTION.
- ALL NECESSARY RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER.
- ALL BROCHURES, OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS, AND OTHER DOCUMENTS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR AT COMPLETION OF CONSTRUCTION AND PRIOR TO PAYMENT.
- SUBCONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS-BUILT REDLINES TO THE GENERAL CONTRACTOR UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT.

- SUBCONTRACTOR SHALL LEAVE PREMISES IN A CLEAN CONDITION.
- THE PROPOSED FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE, AND IS NOT FOR HUMAN HABITAT (NO HANDICAP ACCESS REQUIRED).
- OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH, BY AT&T TECHNICIANS.
- NO OUTDOOR STORAGE OR SOLID WASTE CONTAINERS ARE PROPOSED.
- ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST REVISION AT&T MOBILITY GROUNDING STANDARD "TECHNICAL SPECIFICATION FOR CONSTRUCTION OF GSM/GPRS WIRELESS SITES" AND "TECHNICAL SPECIFICATION FOR FACILITY GROUNDING". IN CASE OF A CONFLICT BETWEEN THE CONSTRUCTION SPECIFICATION AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN.
- SUBCONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR CONSTRUCTION. IF SUBCONTRACTOR CANNOT OBTAIN A PERMIT, THEY MUST NOTIFY THE GENERAL CONTRACTOR IMMEDIATELY.
- SUBCONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
- INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND/OR DRAWINGS PROVIDED BY THE SITE OWNER. CONTRACTORS SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- NO WHITE STROBIC LIGHTS ARE PERMITTED. LIGHTING IF REQUIRED, WILL MEET FAA STANDARDS AND REQUIREMENTS.
- ALL COAXIAL CABLE INSTALLATIONS TO FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
- NO NOISE, SMOKE, DUST, ODOR, OR VIBRATIONS WILL RESULT FROM THIS FACILITY. (DELETE THIS NOTE IF THE SITE WILL HAVE A GENERATOR)
- NO ADDITIONAL PARKING TO BE PROPOSED. EXISTING ACCESS AND PARKING TO REMAIN. (REVISE THIS NOTE ACCORDING TO THE SITE CONFIGURATION)
- NO LANDSCAPING IS PROPOSED AT THIS SITE. (REVISE THIS NOTE ACCORDING TO THE SITE CONFIGURATION)



NOTICE TO WORKERS

RADIO FREQUENCY ANTENNAS ON THIS ROOF.
PLEASE EXERCISE CAUTION AROUND ANTENNAS AND OBEY POSTED SIGNS AND/OR MARKINGS. FOR ACCESS TO RESTRICTED AREAS OR FOR FURTHER INFORMATION, PLEASE CALL 1-888-859-1400 (SITE NUMBER: CCL00432)

IN ACCORDANCE WITH FCC RULES 47 CFR 1.1310

AVISO A TRABAJADORES

EXISTEN ANTENAS DE RADIOFRECUENCIA EN ESTE TECHO.
POR FAVOR USE PRECAUCION ALREDEDOR DE LAS ANTENAS Y OBEDEZCA A LAS ZONAS RESTRINGIDAS O PARA OBTENER MAS INFORMACION, LLAME AL TELEFONO 1-800-832-6662 (NUMERO DE SITIO: CCL00432)

DE ACUERDO A LAS REGLAS DE FCC 47 CFR 1.1310

工作人員注意

此屋宇房頂有射頻天線裝置
在天線範圍四周務請小心,並遵照各已張貼之指示及/或標識行事
如需進入禁區範圍或索取更多資料
請致電 1-800-832-6662 此站區號: (CCL00432)

依據FCC條例第47 CFR1.1310 款執行

- NOTES:
- WARNING SIGN TO BE MOUNTED AT ANTENNA LOCATIONS.
 - SIGN SHALL COMPLY WITH ANSI C95.2 COLOR, SYMBOL, AND CONTENT CONVENTIONS.
 - SIGNAGE SHALL BE CLEARLY LABELED IN A PHENOLIC LABEL WITH A WHITE BACKGROUND AND BLACK LETTERING, AND SHALL BE READABLE FROM AT LEAST (15) FEET FROM THE SIGN.
 - PROPOSED 12"X20" PLASTIC SIGN

MULTI-LANGUAGE SIGN

4

EMERGENCY SHUT DOWN

FOR IMMEDIATE SHUT DOWN OF ALL RADIO FREQUENCY EMISSIONS OF THIS SITE,

1) CALL CONTACT NUMBER AND GIVE SITE IDENTIFICATION NO.

CONTACT PHONE NUMBER: 1-800-832-6662
SITE IDENTIFICATION NUMBER: CCL00432

2) LOCATION OF EQUIPMENT:
GROUND LEVEL, WITHIN (E) EQUIPMENT ROOM

3) THIS EQUIPMENT HAS BATTERY BACKUP:
YES, INSIDE (E) EQUIPMENT ROOM
(SINANGE ON ACCESS DOOR)

DRAWING NOTES:
1. SIGN SHALL BE PHENOLIC LABEL WITH WHITE BACKGROUND AND BLACK LETTERING. THE TITLE BLOCK SHALL BE A RED BACKGROUND AND 1" HIGH WHITE LETTERING.
2. CONTRACTOR TO PLACE SIGNS IN FOLLOWING LOCATIONS:
a) CELL SITE EQUIPMENT ROOM DOOR
b) BATTERY LOCATION WITHIN PROXIMITY OF BATTERY DISCONNECT
c) FCC ROOM WITHIN PROXIMITY OF THE FIRE ALARM PANEL
d) BUILDING'S MAIN ELECTRICAL ROOM WITHIN PROXIMITY OF THE MAIN SHUTOFF AND/OR AT THE CELL SITE MAIN ELECTRICAL DISCONNECT


SIGN SHALL BE A PHENOLIC LABEL WITH WHITE BACKGROUND AND BLACK LETTERING. THE TITLE BLOCK SHALL BE A RED BACKGROUND AND 1" HIGH WHITE LETTERING.

- NOTE: SIGN TO BE PERMANENTLY MOUNTED AT THE FOLLOWING LOCATIONS:
- CELL SITE EQUIPMENT ROOM DOOR
 - BATTERY LOCATION WITHIN PROXIMITY OF BATTERY DISCONNECT
 - FCC (FIRE CONTROL CENTER) ROOM WITHIN PROXIMITY OF THE FIRE ALARM PANEL
 - BUILDING'S MAIN ELECTRICAL ROOM WITHIN PROXIMITY OF THE MAIN SHUTOFF
 - THE CELL SITE MAIN ELECTRICAL DISCONNECT

EMERGENCY SHUT DOWN SIGN

1

NOTICE



AT&T operates antennas at this site.
Beyond This Point you are entering an area where radio frequency (RF) fields exceed the FCC Occupational Exposure Limits.
Follow safety guidelines for working in an RF environment.
Contact AT&T at 800-638-2822 and follow their instructions prior to performing any maintenance or repairs beyond this point.


Caution Sign C95P-AI-007 This is AT&T site CCL00432

INFORMATION

AT&T operates telecommunications antennas at this location. Remain at least 3 feet away from any antenna and obey all posted signs.
Contact the owner(s) of the antenna(s) before working closer than 3 feet from the antenna.
Contact AT&T at _____ prior to performing any maintenance or repairs near AT&T antennas. This is Site# CCL00432.
Contact the management office if this door/hatch/gate is found unlocked.

INFORMATION

En esta propiedad se ubican antenas de telecomunicaciones operadas por AT&T. Favor mantener una distancia de no menos de 3 pies y obedecer todos los avisos.
Comuníquese con el propietario o los propietarios de las antenas antes de trabajar o caminar a una distancia de menos de 3 pies de la antena.
Comuníquese con AT&T _____ antes de realizar cualquier mantenimiento o reparaciones cerca de la antena de AT&T.
Esta es la estación base número CCL00432.
Favor comunicarse con la oficina de la administración del edificio si esta puerta o compuerta se encuentra sin candado.



NOTICE/INFORMATION SIGNAGE

2


CAUTION



AT&T operates antennas at this site.
Beyond This Point you are entering an area where radio frequency (RF) fields exceed the FCC Occupational Exposure Limits.
Follow safety guidelines for working in an RF environment.
Contact AT&T at 800-638-2822 and follow their instructions prior to performing any maintenance or repairs beyond this point.

Caution Sign C95P-AI-007 This is AT&T site CCL00432

WARNING



AT&T operates antennas at this site.
Beyond This Point you are entering an area where radio frequency (RF) fields exceed the FCC Occupational Exposure Limits.
Failure to follow safety guideline for working in an RF environment could result in serious injury.
Contact AT&T at 800-638-2822 options 9 and 3, and request assistance prior to proceeding beyond this point.

Warning Sign W9-24-AI-128 This is AT&T site USD 1228

CAUTION/WARNING SIGNAGE

3

CCL00432
4TX4RX SOFTWARE RETROFIT,
5G NR 1DR-1
LAGUNA HONDA
375 LAGUNA HONDA BLVD
SAN FRANCISCO, CA 94131



5001 EXECUTIVE PKWY
SAN RAMON, CA 94583



2360 CIVIC DRIVE., STE. C
PLEASANT HILL, CA 94523


PLANS PREPARED BY:



1875 Coronado Ave
Signal Hill, CA 90755

A NUWAVE COMPANY

REV	DATE	DESCRIPTION	
4	05/05/20	100% CONSTRUCTION DRAWINGS	JG
3	04/13/20	95% CD AT&T REDLINES	GO
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SHEET TITLE
GENERAL NOTES & SITE SIGNAGES

SHEET NUMBER
GN-1

2.06 SUBMITTAL REQUIREMENTS FOR CELLULAR ANTENNA SITES (2019)

2.06 SUBMITTAL REQUIREMENTS FOR CELLULAR ANTENNA SITES (2019)

REFERENCE: 2019 SFBC, 2019 SFFC, 2019 SFMC AND FCC OET BULLETIN (97-01)

- SEE SHEET T-1 I. SUBMITTAL REQUIREMENTS
 A. PROVIDE A DESCRIPTION OF WORK ON THE PLANS.
- SEE SHEET A-1, A-2, A-3, A-4, A-5 B. PLANS SHALL INCLUDE PLAN VIEWS AND ELEVATIONS SHOWING ALL EQUIPMENT LOCATIONS AND CABLE RUNS.
- SEE SHEET A-3, D-1, D-2 & D-3 C. PLANS SHALL INCLUDE ANTENNA MANUFACTURER SPECIFICATION SHEETS AND EQUIPMENT LIST ON A DRAWING.
- SEE SHEET EME-1 D. INCLUDE A COPY OF THE SIGNED AND STAMPED RF REPORT ON A DRAWING SHEET AS A REFERENCE TO IDENTIFY THE EXCLUSION AREA REQUIRED TO PREVENT OCCUPATIONAL EXPOSURES IN EXCESS OF THE FCC GUIDELINES (47CFR1.1310 AND FCC OET BULLETIN 65 EDITION 97-01).
- SEE SHEET EME-1 E. THE RF REPORT SHALL INDICATE WHETHER OR NOT THE SITE UNDER REVIEW IS A PART OF A MULTIPLE TRANSMITTER SITE AND SHALL SHOW COMPLIANCE WITH FCC 47CFR1.1307 (B) (3), AS AMENDED - ALL TRANSMITTERS SHALL NOT EXCEED 5% OF THE POWER DENSITY EXPOSURE LIMIT.
- SEE SHEET EME-1 AND SHEET A-2 F. DRAWINGS SHALL REFLECT THE STRIPED/EXCLUSION AREAS FOR WORKERS PER THE ABOVE RF REPORT WITH A MINIMUM RADIUS OF 1-FOOT.
- SEE SHEET EME-1 G. PLANS SHALL INCLUDE A QUANTITATIVE THREE-DIMENSIONAL IMAGE OF THE RF LEVELS FROM EACH ANTENNA LOCATED NEAR AN EGRESS POINT (E.G. PENTHOUSE STAIR; FIRE ESCAPE, ROOF WALKING PATHS; SKYLIGHTS, ETC.).
- SEE SHEET GN-1, EME-1 AND A-2 H. "NOTICE TO WORKERS" WARNING SIGNAGE, AS APPLICABLE PER THE ABOVE RF REPORT, SHALL BE PERMANENTLY MOUNTED AT THE STAIRWELL SIDE OF THE ROOF-ACCESS DOOR (ANSI C95.2-1982 (REFERENCE [3]) - YELLOW OR MORE DURABLE COLOR FOR OUTDOOR LONGEVITY)
- SEE SHEET EME-1 AND SHEET A-2 I. CAMOUFLAGED ANTENNAS SHALL HAVE 4-INCH X 4-INCH SIGNAGE PERMANENTLY MOUNTED TO THE EXTERIOR TO THE RF SCREEN AS PROVIDED BELOW. THE SIGN SHALL BE WEATHERPROOF WITH CONTRASTING BACKGROUND COLOR AND SHALL CONTAIN THE YELLOW TRIANGLE AROUND THE ANTENNA SYMBOL (ANSI C95.2-1982 (REFERENCE [3]) - YELLOW OR MORE DURABLE COLOR FOR OUTDOOR LONGEVITY). SIGNAGE LOCATION(S) AND DETAIL OF THE SIGN SHALL BE INCLUDED ON THE PLANS.
- N/A J. CABLES/WIRING SHALL NOT BE ALLOWED IN EXIT ENCLOSURES, SMOKE-PROOF TOWERS, ELEVATOR SHAFTS, OR IN FRONT OF DRY STANDPIPES. 2019 SFFC 1023.5 AND 509.2
- SEE SHEET A-2 K. ANTENNAS SHALL NOT BE MOUNTED CLOSER THAN THE EXCLUSION ZONE PLUS 4- FEET FOR INSTALLATIONS NEAR FIRE ESCAPES, STAIR PENTHOUSE DOORS, EXTERIOR STANDPIPE OUTLETS, SKYLIGHTS, OR OTHER FIRE DEPARTMENT OPERATIONS CONSIDERATION.

- SEE SHEET D-2 L. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH 2019 CFC, SECTION 608.

- SEE SHEET GN-1 AND SHEET A-2 M. THE FIRE DEPARTMENT MAY NEED TO SHUT DOWN THE POWER TO THE CELL SITE IN AN EMERGENCY SITUATION. IN ORDER TO REDUCE THE SITE OPERATOR'S POSSIBLE LOSS OF SERVICE, PERMANENT EMERGENCY SHUTDOWN PROCEDURE SIGNAGE SHALL BE PROVIDED AT THE EQUIPMENT ROOM ENTRANCE.

1. THE SIGN SHALL INCLUDE THE FOLLOWING:
 - a. EMERGENCY 24-HOUR/7 DAY A WEEK NETWORK OPERATIONS CENTER (NOC) / FIELD TECHNICIAN TELEPHONE NUMBER FOR RF SHUT-DOWN
 - b. CELL SITE IDENTIFICATION NUMBER
 - c. MAP SHOWING LOCATION OF ELECTRICAL MAIN SHUT-OFF (ELECTRICAL MAIN SHALL BE CLEARLY IDENTIFIED WITH A PERMANENT RED LABEL AND WHITE LETTERING).
 - d. MAP SHOWING LOCATION OF BATTERY CABINETS AND BREAKERS (CABINETS AND BREAKERS SHALL BE CLEARLY IDENTIFIED WITH A PERMANENT RED LABEL AND WHITE LETTERING).
 - e. ANY OTHER RELEVANT INFORMATION OR PROCEDURES AS REQUIRED FOR THE INDIVIDUAL CELLULAR SITE.
2. THE SIGN SHALL BE CLEARLY LABELED IN A PHENOLIC LABEL WITH A WHITE BACKGROUND AND BLACK LETTERING. THE TITLE BLOCK SHALL BE A RED BACKGROUND AND 1-INCH HIGH WHITE LETTERING. MULTIPLE SIGNS MAY NEED TO BE INSTALLED BASED UPON THE CELLULAR SITE CONFIGURATION.
3. A COPY OF THE SIGNAGE SHALL BE INCLUDED ON A DRAWING SHEET. SEE ATTACHED SAMPLE.

II. DRAWING NOTES

- A. SIGN SHALL BE A PHENOLIC LABEL WITH WHITE BACKGROUND AND BLACK LETTERING. THE TITLE BLOCK SHALL BE A RED BACKGROUND AND 1-INCH HIGH WHITE LETTERING.
- B. CONTRACTOR TO PLACE SIGNS IN FOLLOWING LOCATIONS:
 1. CELL SITE EQUIPMENT ROOM DOOR
 2. BATTERY LOCATION WITHIN PROXIMITY OF BATTERY DISCONNECT
 3. FCC ROOM WITHIN PROXIMITY OF THE FIRE ALARM PANEL
 4. BUILDING'S MAIN ELECTRICAL ROOM WITHIN PROXIMITY OF THE MAIN SHUTOFF AND/OR AT THE CELL SITE MAIN ELECTRICAL DISCONNECT

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 PLEASANT HILL, CA 94523

PLANS PREPARED BY:

INTELOCITY
 DESIGN | BUILD | INNOVATE

1875 Coronado Ave
 Signal Hill, CA 90755

A NUWAVE COMPANY

REV	DATE	DESCRIPTION	
4	05/05/20	100% CONSTRUCTION DRAWINGS	JG
3	04/13/20	95% CD AT&T REDLINES	GO
2	03/02/20	90% CONSTRUCTION DRAWINGS	RC/GO
1	02/14/20	85% CONSTRUCTION DRAWINGS	RC
0	10/25/18	80% CONSTRUCTION DRAWINGS	BC



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SHEET TITLE
**FIRE DEPARTMENT
 CHECK LIST**

SHEET NUMBER

FD-1

AT&T Mobility • Base Station No. CCL00432
 375 Laguna Honda Boulevard • San Francisco, California
 FA No. 10088011, USID No. 12784, PA No. 3701A0T9H9

Statement of Hammett & Edison, Inc., Consulting Engineers

The firm of Hammett & Edison, Inc., Consulting Engineers, has been retained on behalf of AT&T Mobility, a personal wireless telecommunications carrier, to evaluate proposed modifications to its existing base station (Site No. CCL00432) located at 375 Laguna Honda Boulevard in San Francisco, California, for compliance with appropriate guidelines limiting human exposure to radio frequency ("RF") electromagnetic fields.

Background

The San Francisco Department of Public Health has adopted an 11-point checklist for determining compliance of proposed WTS facilities or proposed modifications to such facilities with prevailing safety standards. The acceptable exposures limits set by the FCC are shown in Figure 1. The most restrictive limit for exposures of unlimited duration at several wireless service bands are as follows:

Wireless Service Band	Transmit Frequency	"Uncontrolled" Public Limit	Occupational Limit (5 times Public)
Microwave (point-to-point)	1-80 GHz	1.0 mW/cm ²	5.0 mW/cm ²
Millimeter-wave	24-47	1.0	5.0
Part 15 (WiFi & other unlicensed)	2-6	1.0	5.0
CBRS (Citizens Broadband Radio)	3,550 MHz	1.0	5.0
BRS (Broadband Radio)	2,490	1.0	5.0
WCS (Wireless Communication)	2,305	1.0	5.0
AWS (Advanced Wireless)	2,110	1.0	5.0
PCS (Personal Communication)	1,930	1.0	5.0
Cellular	869	0.58	2.9
SMR (Specialized Mobile Radio)	854	0.57	2.85
700 MHz	716	0.48	2.4
600 MHz	617	0.41	2.05
[most restrictive frequency range]	30-300	0.20	1.0

Checklist

Reference has been made to information provided by AT&T, including construction drawings by Intelcity, LLC, dated April 13, 2020. It should be noted that the calculation results in this Statement include several "worst-case" assumptions and therefore are expected to overstate actual power density levels from the proposed operations. Figure 2 describes the calculation methodologies, reflecting the facts that a directional antenna's radiation pattern is not fully formed at locations very close by (the "near-field" effect) and that at greater distances the power level from an energy source decreases with the square of the distance from it (the "inverse square law"). This methodology is an industry standard for evaluating RF exposure conditions and has been demonstrated through numerous field tests to be a conservative prediction of exposure levels.

AT&T Mobility • Base Station No. CCL00432
 375 Laguna Honda Boulevard • San Francisco, California
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that explanatory signs[†] be posted at the roof access doors, at edges of the striped areas, and at the antennas, readily visible from any angle of approach to persons who might need to work within that distance.

11. Statement of authorship and qualification.

The undersigned author of this statement is a qualified Professional Engineer, holding California Registration Nos. E-13026 and M-20676, which expire on June 30, 2021. This work has been carried out under his direction, and all statements are true and correct of his own knowledge except, where noted, when data has been supplied by others, which data he believes to be correct.

Conclusion

Based on the information and analysis above, it is the undersigned's professional opinion that the proposed operation of the AT&T Mobility base station located at 375 Laguna Honda Boulevard in San Francisco, California, can comply with the prevailing standards for limiting human exposure to radio frequency energy and, therefore, need not for this reason cause a significant impact on the environment. The highest calculated level in publicly accessible areas is much less than the prevailing standards allow for exposures of unlimited duration. This finding is consistent with measurements of actual exposure conditions taken at other operating base stations. Locking the roof access doors is recommended to establish compliance with public exposure limits; training authorized personnel, marking roof areas, and posting explanatory signs are recommended to establish compliance with occupational exposure limits.

WILLIAM F. HAMMETT, P.E.
 E-13026 M-20676
 Exp. 6-30-2021
 ELECTRICAL MECHANICAL
 STATE OF CALIFORNIA
 William F. Hammett, P.E.
 707/996-5200
 May 1, 2020

[†] Signs should comply with OET-65 color, symbol, and content recommendations. Contact information should be provided (e.g., a telephone number) to arrange for access to restricted areas. The selection of language(s) is not an engineering matter; the San Francisco Department of Public Health recommends that all signs be written in English, Spanish, and Chinese.

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 FA No. 10088011, USID No. 12784, PA No. 3701A0T9H9

1. The location, identity, and total number of all operational radiating antennas installed at this site. AT&T had installed twelve directional panel antennas in three groups of four on the sides of two penthouses above the roof of the five-story Laguna Honda Hospital, located at 375 Laguna Honda Boulevard in San Francisco. There are reported no other wireless base stations installed at the site.

2. List all radiating antennas located within 100 feet of the site that could contribute to the cumulative radio frequency energy at this location. There are reported no other WTS facilities within 100 feet of the site.

3. Provide a narrative description of the proposed work for this project. AT&T proposes to replace three of its antennas. This is consistent with the scope of work described in the drawings for transmitting elements.

4. Provide an inventory of the make and model of antennas or transmitting equipment being installed or removed. AT&T proposes to remove three Kathrein Model 800-10764 antennas and to install three CommScope Model NNH4-65A-R6H4 directional panel antennas at the same locations, next to the remaining nine Kathrein Model 800-10767 antennas. The twelve antennas would employ up to 16° downtilt, would be mounted at an effective height of about 62 feet above ground, at least 8 feet above the roof, and would be oriented in identical groups of four toward 20°T, 140°T, and 260°T, to provide service in all directions.

5. Describe the existing radio frequency energy environment at the nearest walking/working surface to the antennas and at ground level. This description may be based on field measurements or calculations. The maximum existing RF level for a person on the roof near the antennas was measured[†] to be 0.12 mW/cm², which is less than 25% of the applicable public exposure limit. The maximum existing RF level for a person at ground near the site was measured[†] to be 0.0026 mW/cm², which is 1.3% of the most restrictive public limit.

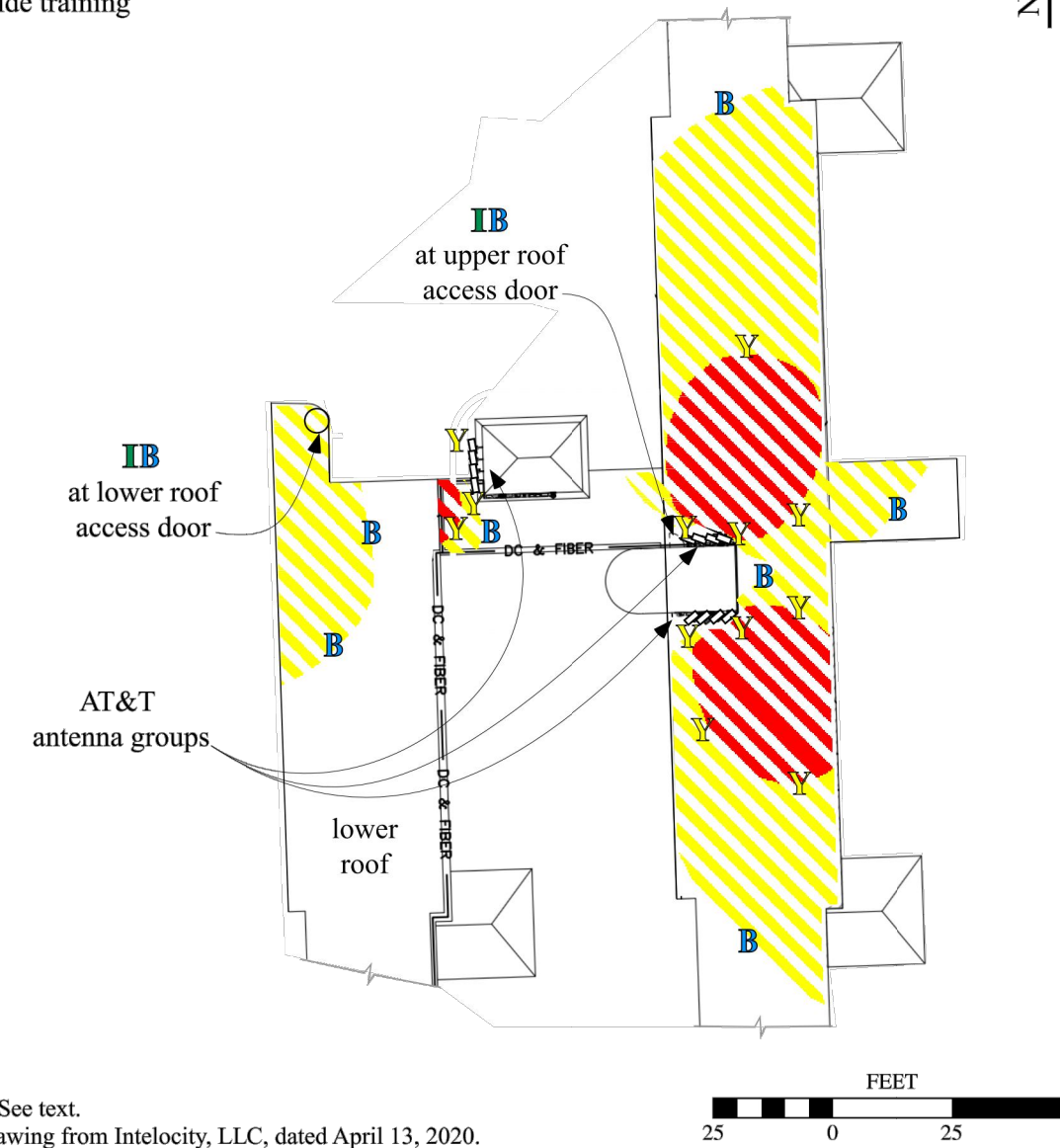
6. Provide the maximum effective radiated power per sector for the proposed installation. The power should be reported in watts and reported both as a total and broken down by frequency band. The maximum effective radiated power proposed by AT&T in any direction is 21,250 watts, representing simultaneous operation at 2,670 watts for WCS, 4,710 watts for AWS, 7,260 watts for PCS, 2,490 watts for cellular, and 4,120 watts for 700 MHz service.

[†] August 17, 2018, using calibrated Narda Type NBM-520 Broadband Field Meter with Type EF-0391 Isotropic Electric Field Probe (Serial No. D-0454).

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 375 Laguna Honda Boulevard • San Francisco, California
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Calculated Cumulative RF Exposure Levels on Roof

- Recommended Compliance Measures
- Stripe roof areas as shown (roof access doors locked)
 - Post explanatory signs
 - Provide training



Notes: See text. Base drawing from Intelcity, LLC, dated April 13, 2020. Calculations performed according to OET Bulletin 65, August 1997.

Legend:	Less Than Public	Exceeds Public	Exceeds Occupational	Exceeds 10x Occupational
Striping color	blank	yellow	red	N/A
Sign type	I - Green INFORMATION	B - Blue NOTICE	Y - Yellow CAUTION	O - Orange WARNING

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 375 Laguna Honda Boulevard • San Francisco, California
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7. Describe the maximum cumulative predicted radio frequency energy level for any nearby publicly accessible building or area. The maximum calculated level at any nearby building is 8.6% of the public exposure limit; this occurs at the tall residential building about 330 feet to the southwest, located at 255 Woodside Avenue.

8. Report the estimated cumulative radio frequency fields for the proposed site at ground level. For a person anywhere at ground, the maximum RF exposure level due to the proposed AT&T operation is calculated to be 0.090 mW/cm², which is 12% of the applicable public exposure limit. Cumulative RF levels at ground level near the site are therefore estimated to be less than 14% of the applicable public limit.

9. Provide the maximum distance (in feet) the three dimensional perimeter of the radio frequency energy level equal to the public and occupational exposure limit is calculated to extend from the face of the antennas. The three-dimensional perimeters of RF levels equal to the public and occupational exposure limits are calculated to extend up to 100 and 42 feet out from the antenna faces, respectively, and to much lesser distances above, below, and to the sides; this includes areas of the roof of the building but does not reach any publicly accessible areas.

10. Provide a description of whether or not the public has access to the antennas. Describe any existing or proposed warning signs, barricades, barriers, rooftop striping or other safety precautions for people nearing the equipment as may be required by any applicable FCC-adopted standards. Due to their mounting location and height, requiring passage through a locked door to reach the upper or lower roofs, the AT&T antennas are not accessible to unauthorized persons. To prevent occupational exposures in excess of the FCC guidelines, it is recommended that appropriate RF safety training, to include review of personal monitor use and lockout/tagout procedures, be provided to all authorized personnel who have access to the roof, including employees and contractors of AT&T and of the property owner. No access within 42 feet directly in front of the AT&T antennas themselves, such as might occur during certain maintenance activities above the roof, should be allowed while the pertinent antennas are in operation, unless other measures can be demonstrated to ensure that occupational protection requirements are met. It is recommended that "Worker Notification Areas" be marked with yellow paint stripes and that "Prohibited Access Areas" be marked with red paint stripes on the roof of the building, as shown in Figure 3, to identify areas within which exposure levels are calculated to exceed the FCC public and occupational limits, respectively. It is recommended

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2360 CIVIC DRIVE., STE. C
 PLEASANT HILL, CA 94523

PLANS PREPARED BY:
INTELOCITY
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 1875 Coronado Ave
 Signal Hill, CA 90755
 A NUWAVE COMPANY

REV	DATE	DESCRIPTION	
4	05/05/20	100% CONSTRUCTION DRAWINGS	JG
3	04/13/20	95% CD AT&T REDLINES	GO
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0	10/25/18	80% CONSTRUCTION DRAWINGS	BC



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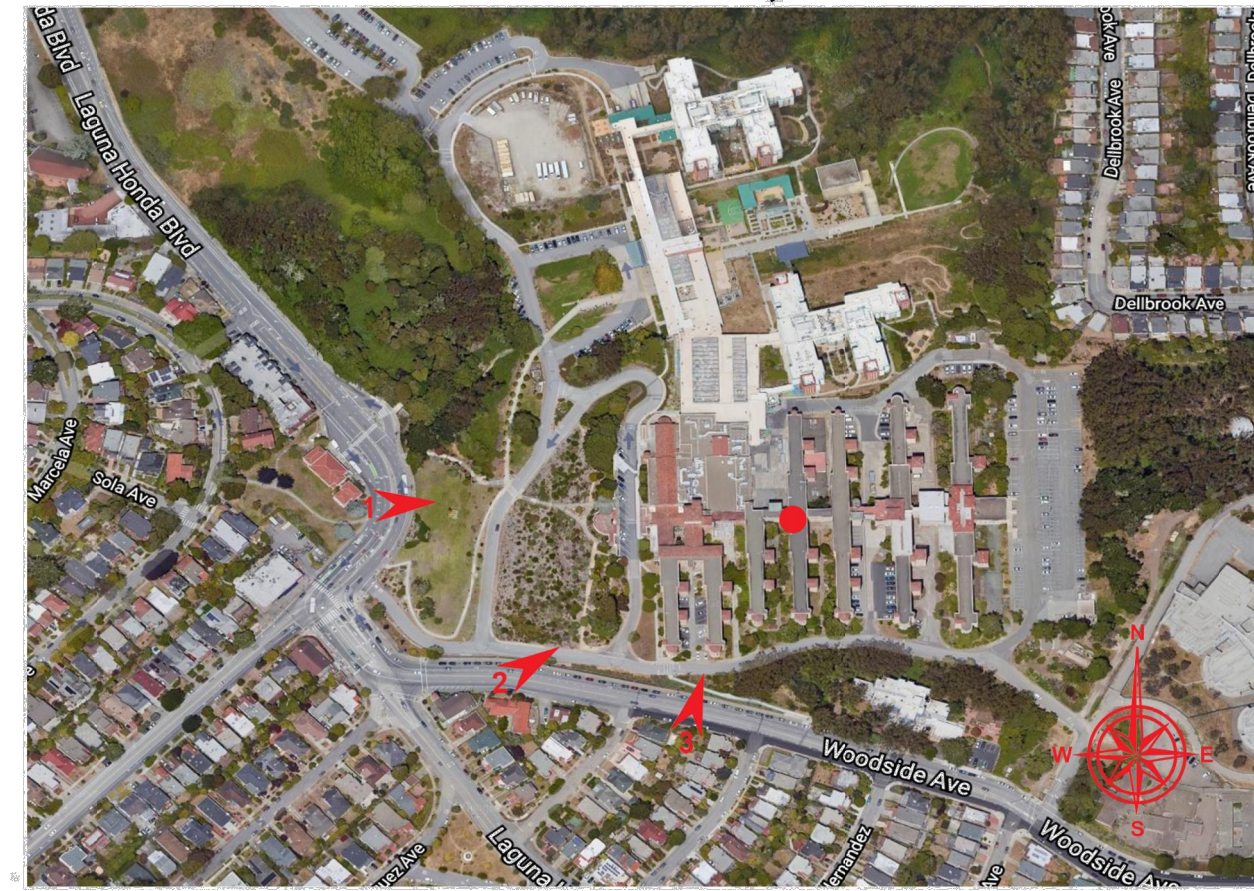
SHEET TITLE
EME REPORT

SHEET NUMBER
EME-1

PHOTO SIMULATION

ROOFTOP MOUNTED PANEL ANTENNAS AT:

375 LAGUNA HONDA BLVD SAN FRANCISCO, CA 94131



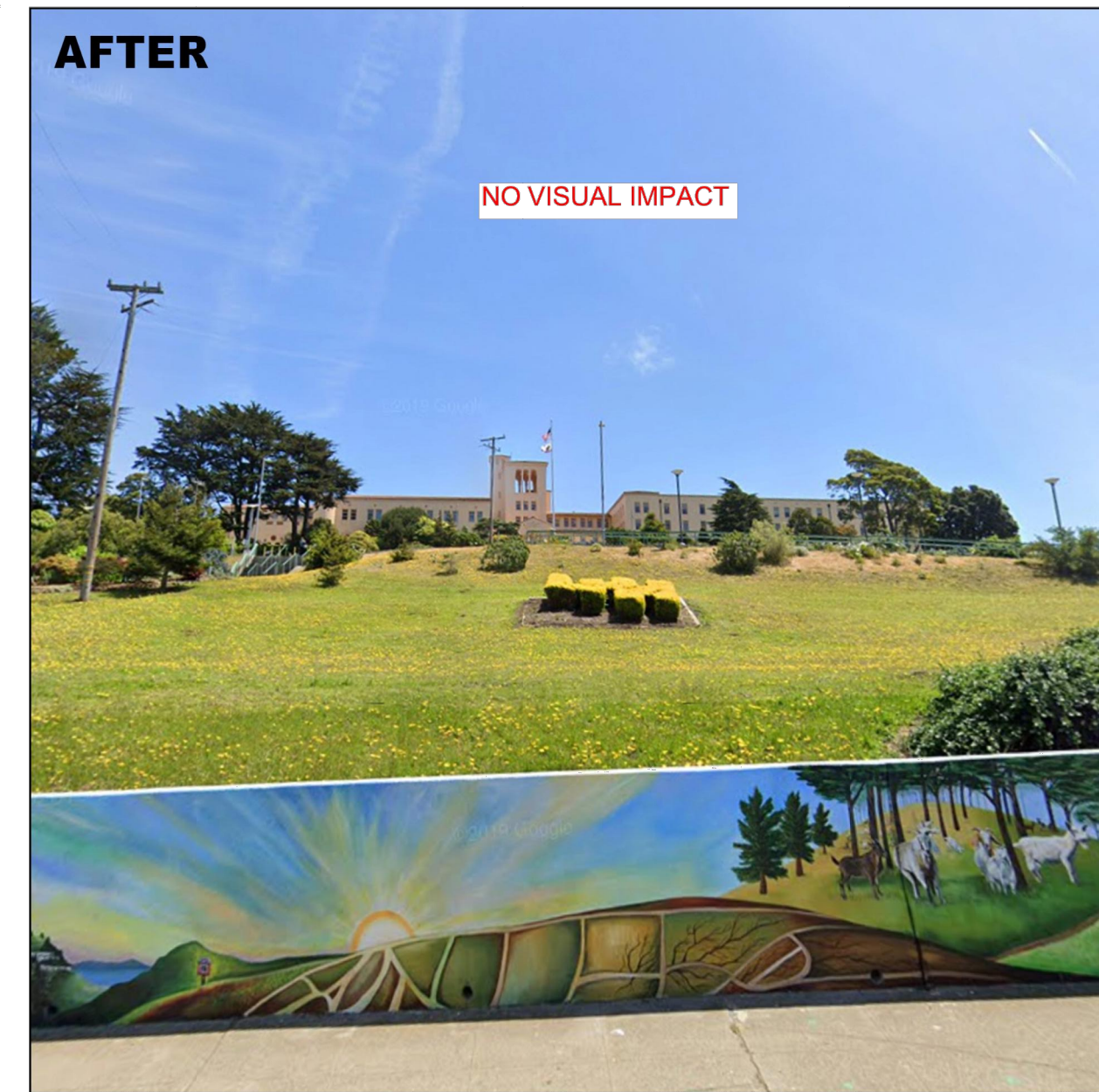
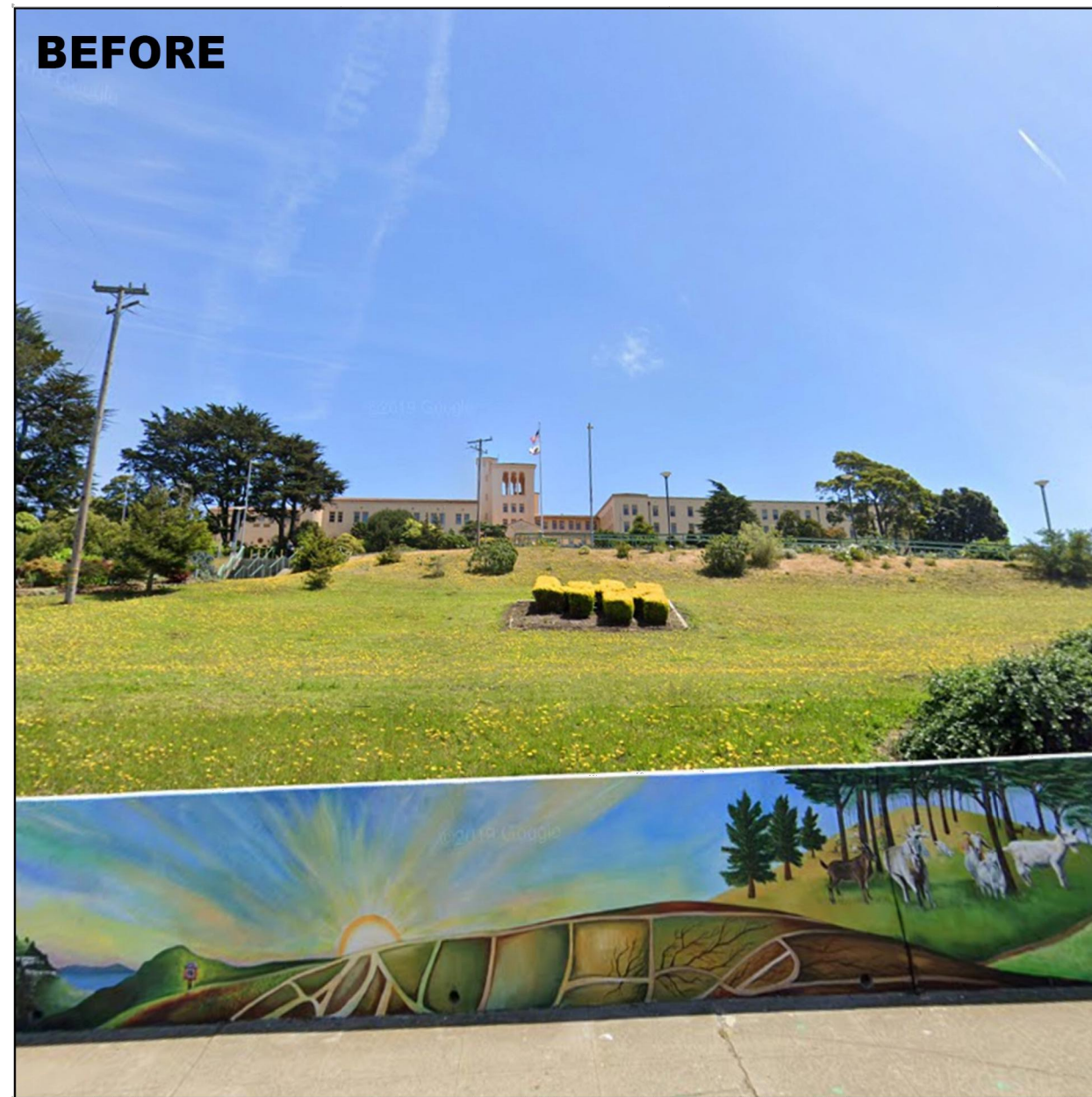
SHEET INDEX

PAGE NO.	PAGE TITLE
1	COVER
2	VIEW 1
3	VIEW 2
4	VIEW 3

PROJECT DESCRIPTION

AT&T PROPOSES TO MODIFY AN EXISTING WIRELESS INSTALLATION.

● LOCATION OF AT&T ANTENNAS



VIEW 1 | LOOKING EAST FROM LAGUNA HONDA BLVD

03.19.20

1875 CORONADO AVE
SIGNAL HILL, CA 90755
PH: 562-230-3519

PROJECT INFORMATION
SITE NUMBER: CCL00432
SITE NAME: LAGUNA HONDA
SITE ADDRESS: 375 LAGUNA HONDA BLVD SAN FRANCISCO, CA 94131

COVER

PAGE 1

03.19.20

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PH: 562-230-3519

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PAGE 2



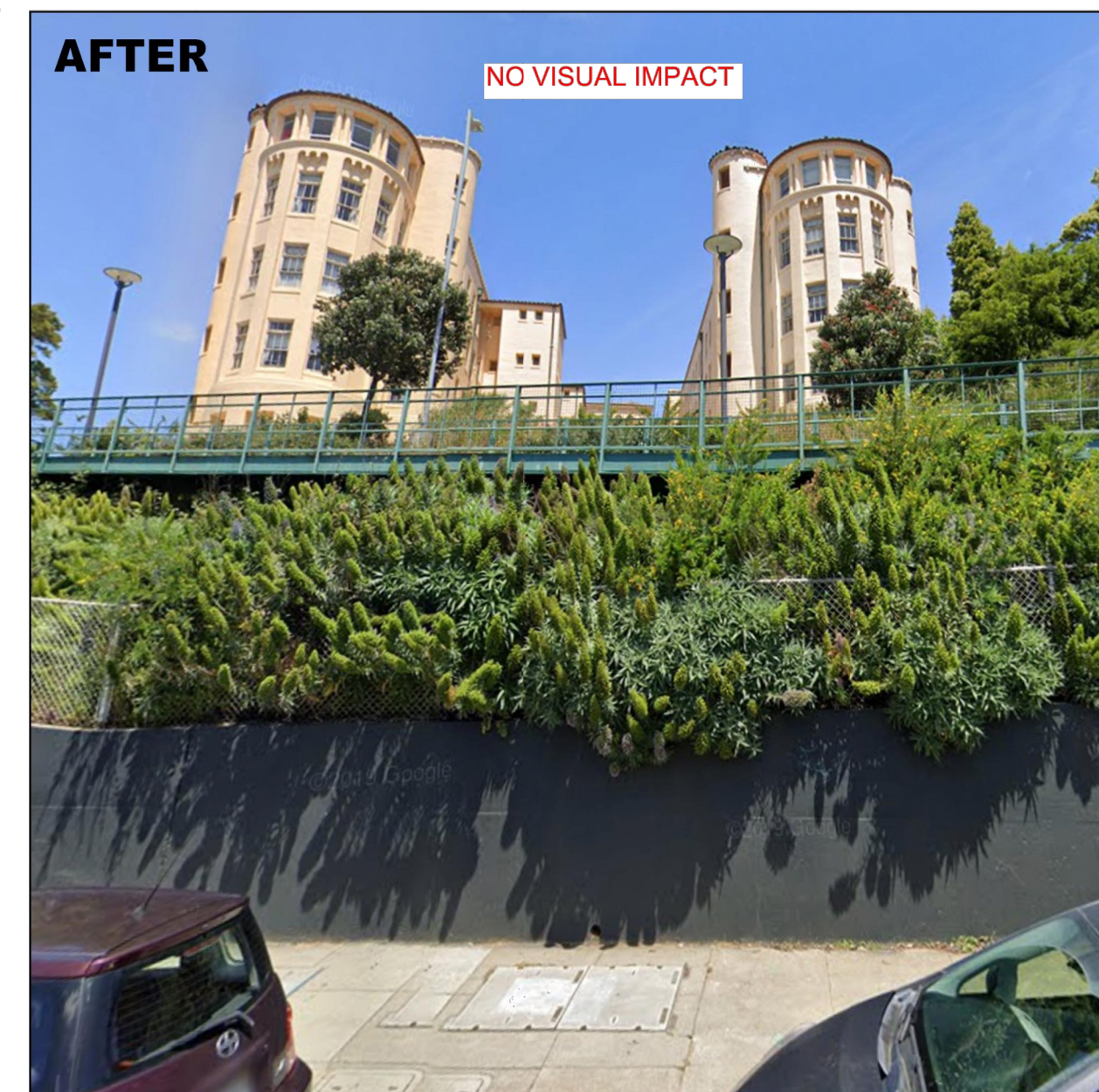
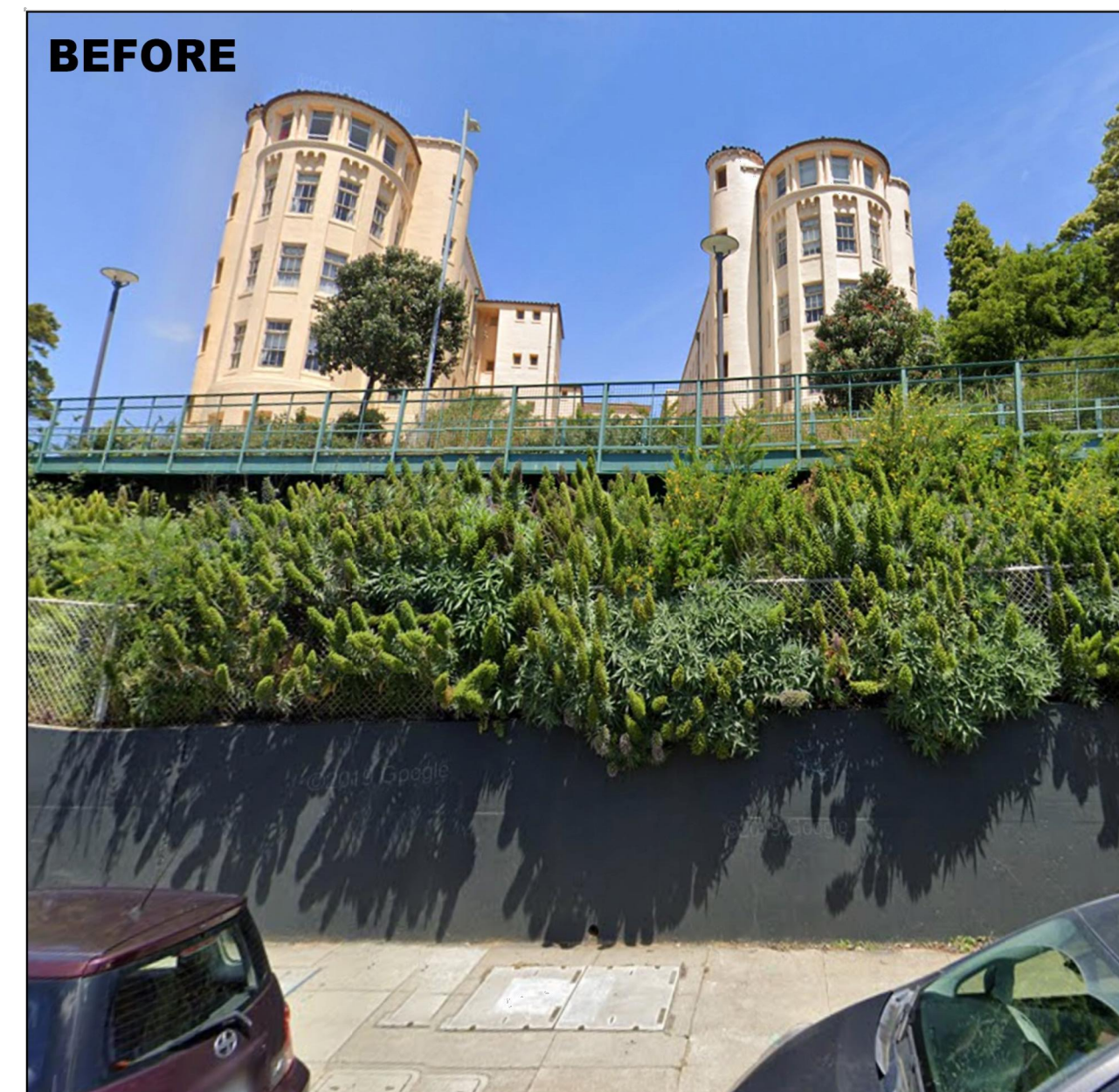
VIEW 2 | LOOKING NORTHEAST FROM WOODSIDE AVE

03.19.20

1875 CORONADO AVE
SIGNAL HILL, CA 90755
PH: 562-230-3519

PROJECT INFORMATION
SITE NUMBER: CCL00432
SITE NAME: LAGUNA HONDA
SITE ADDRESS: 375 LAGUNA HONDA BLVD SAN FRANCISCO, CA 94131

PAGE 3



VIEW 3 | LOOKING NORTH FROM WOODSIDE AVE

03.19.20

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PH: 562-230-3519

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PAGE 4

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PLEASANT HILL, CA 94523

PLANS PREPARED BY:
INTELOCITY
DESIGN | BUILD | INNOVATE
1875 Coronado Ave
Signal Hill, CA 90755
A NUWAVE COMPANY

REV	DATE	DESCRIPTION	BY
4	05/05/20	100% CONSTRUCTION DRAWINGS	JG
3	04/13/20	95% CD AT&T REDLINES	GO
2	03/02/20	90% CONSTRUCTION DRAWINGS	RC/GO
1	02/14/20	85% CONSTRUCTION DRAWINGS	RC
0	10/25/18	80% CONSTRUCTION DRAWINGS	BC



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PHOTO SIMS

SHEET NUMBER
PS-1

NOTE:
 INFORMATION CONTAINED WITHIN
 DRAWINGS ARE BASED ON PROVIDED
 INFORMATION AND ARE NOT THE
 RESULT OF A FIELD SURVEY.

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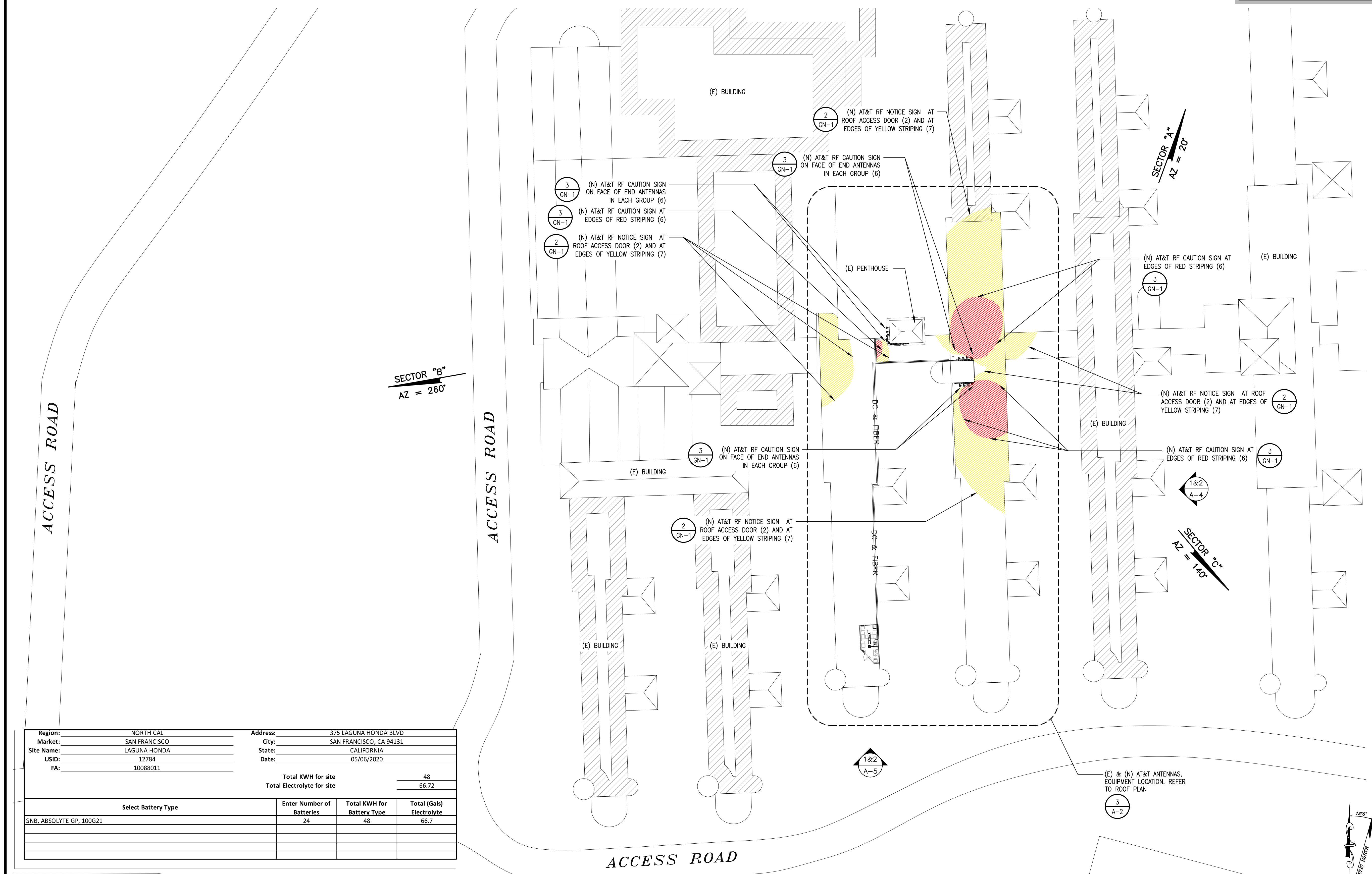
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SHEET TITLE

SITE PLAN

SHEET NUMBER

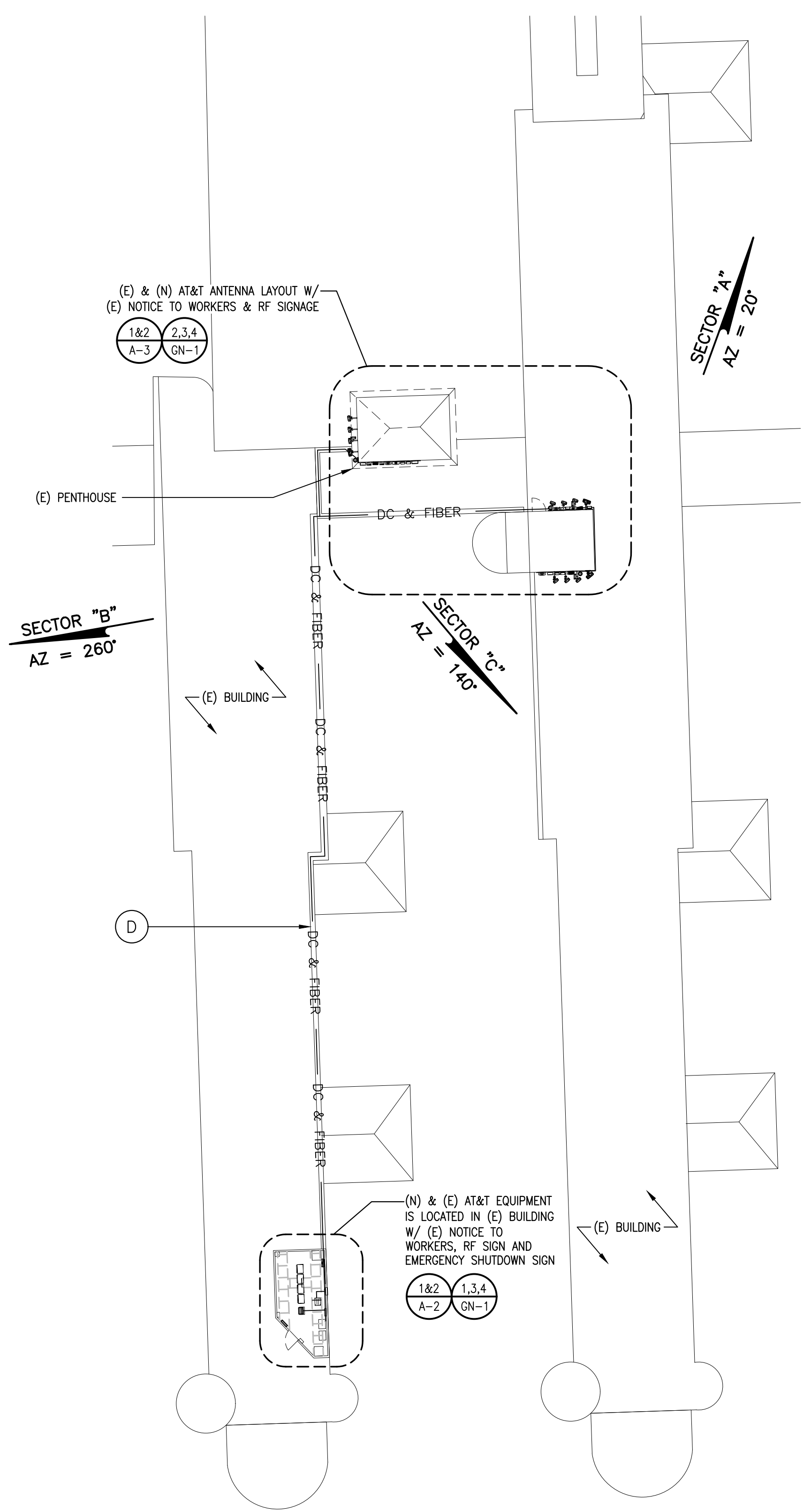
A-1



Region:	NORTH CAL	Address:	375 LAGUNA HONDA BLVD
Market:	SAN FRANCISCO	City:	SAN FRANCISCO, CA 94131
Site Name:	LAGUNA HONDA	State:	CALIFORNIA
USID:	12784	Date:	05/06/2020
FA:	10088011		
		Total KWH for site	48
		Total Electrolyte for site	66.72
Select Battery Type	Enter Number of Batteries	Total KWH for Battery Type	Total (Gals) Electrolyte
GNB, ABSOLYTE GP, 100G21	24	48	66.7

SITE PLAN

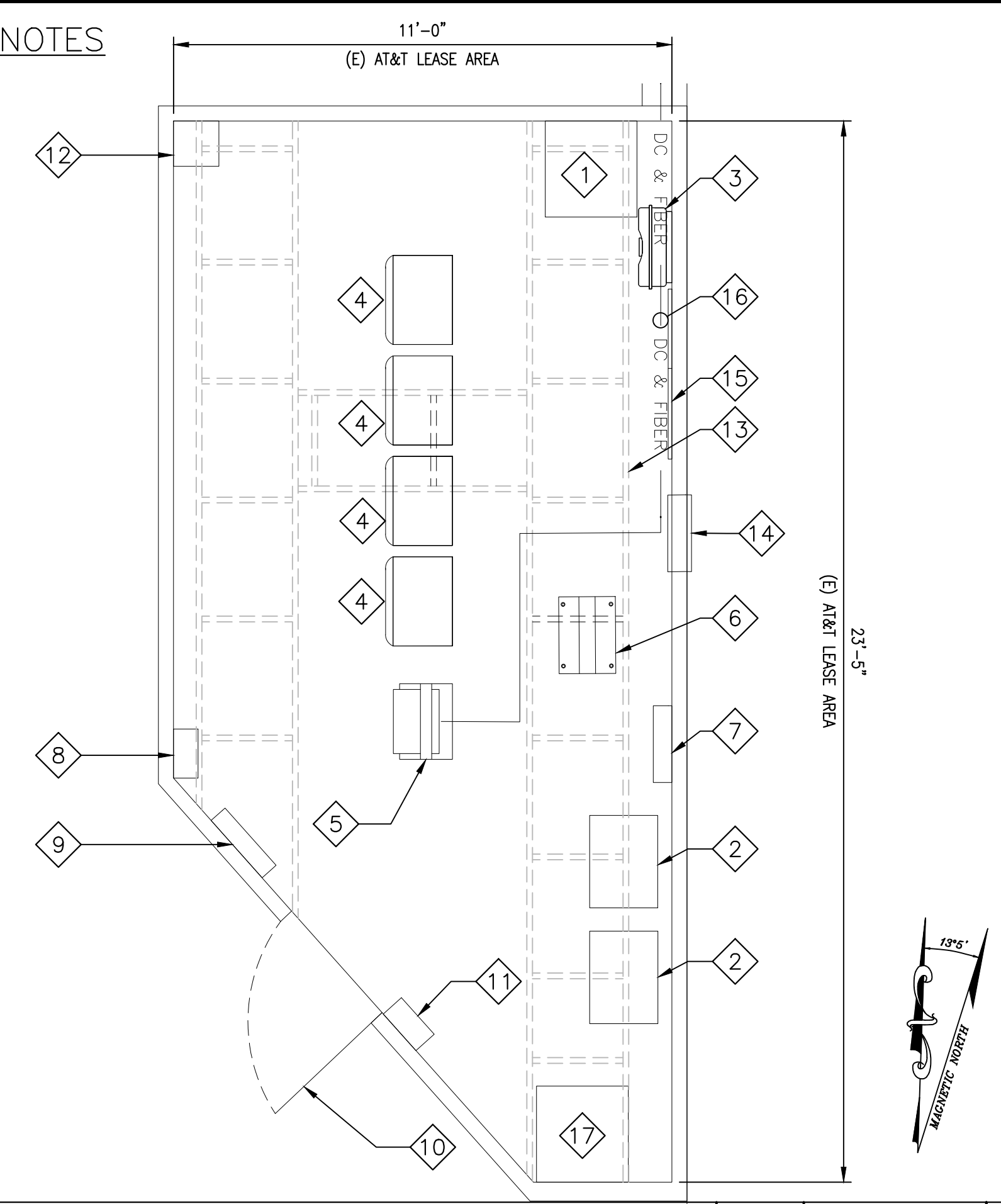
SCALE: 1"=30'-0" 0 15' 30' 1



(D) (N) AT&T (2) DC POWER & (1) FIBER TRUNKS PER SECTOR FROM (E) EQUIPMENT LEASE AREA AT GRADE LEVEL TO EACH ANTENNA SECTOR (APPROX.)
 SECTOR "A", 300' ±
 SECTOR "B", 270' ±
 SECTOR "C", 330' ±
 AND TO BE ROUTED ON (E) VERTICAL SLEEPERS TO FOLLOW (E) FIBER & DC POWER TRUNKS

EXISTING EQUIPMENT LAYOUT KEY NOTES

- 1 (E) AT&T HVAC, (TYP. OF 2)
- 2 (E) AT&T GNB ABSOLUTE BATTERIES, (24) TOTAL
- 3 (E) AT&T CIENA UNIT W/ 9EO UAM UNIT BELOW
- 4 (E) AT&T 2206 RBS CABINET (TYP. OF 4)
- 5 (E) AT&T FIF RACK W/ (2) DC-12, (3) DC FIBER BOXES, (2) XMU, (1) 5216, AND (1) SAU 01
- 6 (E) AT&T DC POWER PLANT
- 7 (E) AT&T BATTERY DISCONNECT
- 8 (E) AT&T MAIN AC PANEL
- 9 (E) AT&T SUB PANEL TO BE REMOVED
- 10 (E) AT&T ACCESS DOOR
- 11 (E) AT&T INTERFACE PANEL
- 12 (E) AT&T TABLE
- 13 (E) AT&T CABLE LADDER
- 14 (E) AT&T COAX PORT
- 15 (E) AT&T ELECTRIC EQUIPMENT
- 16 (E) AT&T DC & FIBER TRUNKS
- 17 (E) AT&T AC UNIT

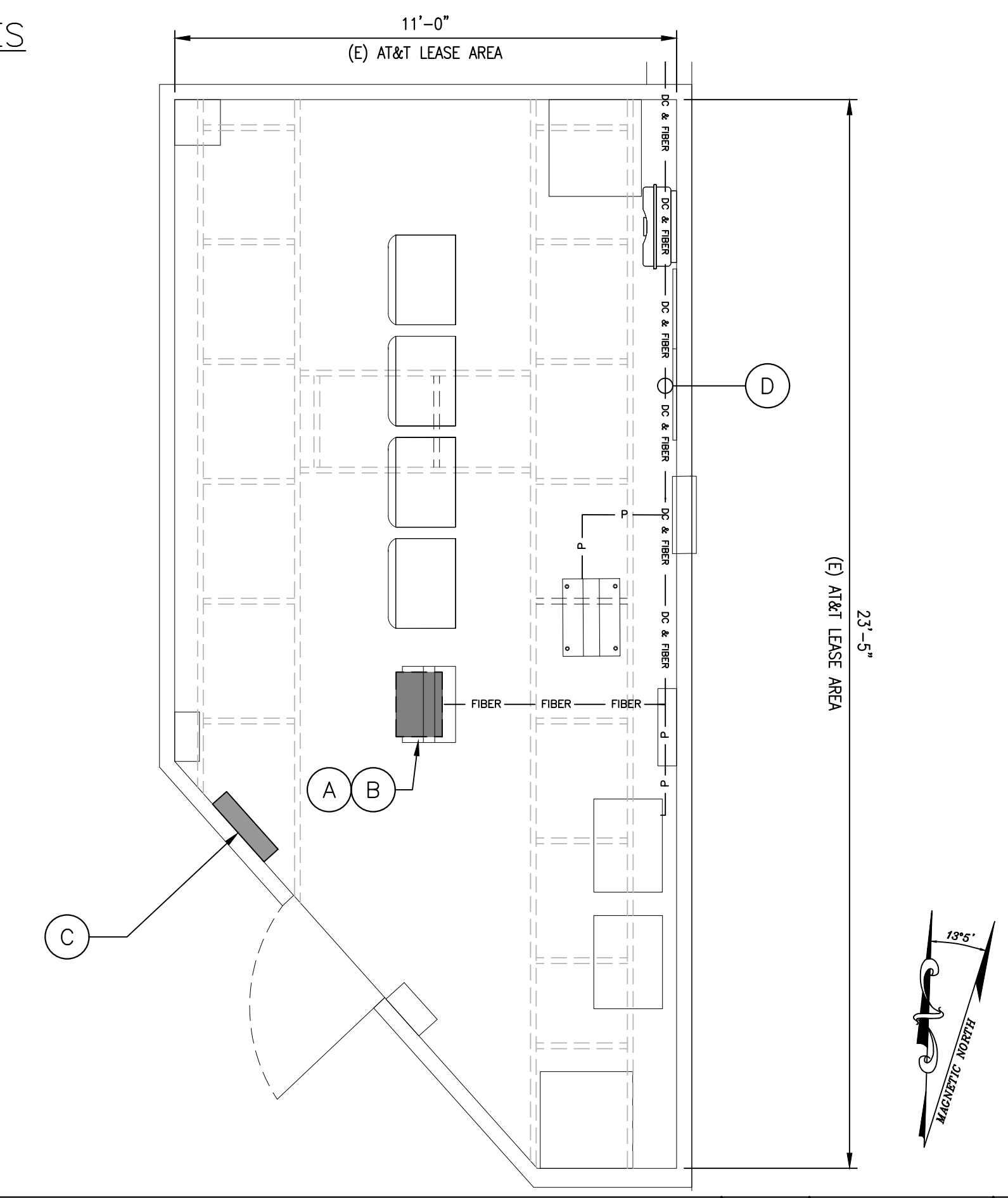


EXISTING EQUIPMENT PLAN AT GRADE LEVEL

SCALE: 3/8"=1'-0" 1

NEW EQUIPMENT LAYOUT KEY NOTES

- (A) (N) (1) AT&T 6630 BASEBAND UNIT INSIDE EXISTING RACK 3
D-1
- (B) (N) (1) AT&T DC-12 SURGE SUPPRESSOR UNIT INSIDE EXISTING RACK 4
D-1
- (C) (N) (1) AT&T 120/208VAC 3-PH 4-WIRE 125A SUB PANEL
- (D) (N) AT&T (2) DC POWER & (1) FIBER TRUNKS PER SECTOR FROM (E) EQUIPMENT LEASE AREA AT GRADE LEVEL TO EACH ANTENNA SECTOR (APPROX.)
 SECTOR "A", 300' ±
 SECTOR "B", 270' ±
 SECTOR "C", 330' ±
 AND TO BE ROUTED ON (E) VERTICAL SLEEPERS TO FOLLOW (E) FIBER & DC POWER TRUNKS



NEW EQUIPMENT PLAN AT GRADE LEVEL

SCALE: 3/8"=1'-0" 2

ENLARGED ROOF PLAN

SCALE: 1"=20'-0" 3

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0	10/25/18	80% CONSTRUCTION DRAWINGS	BC



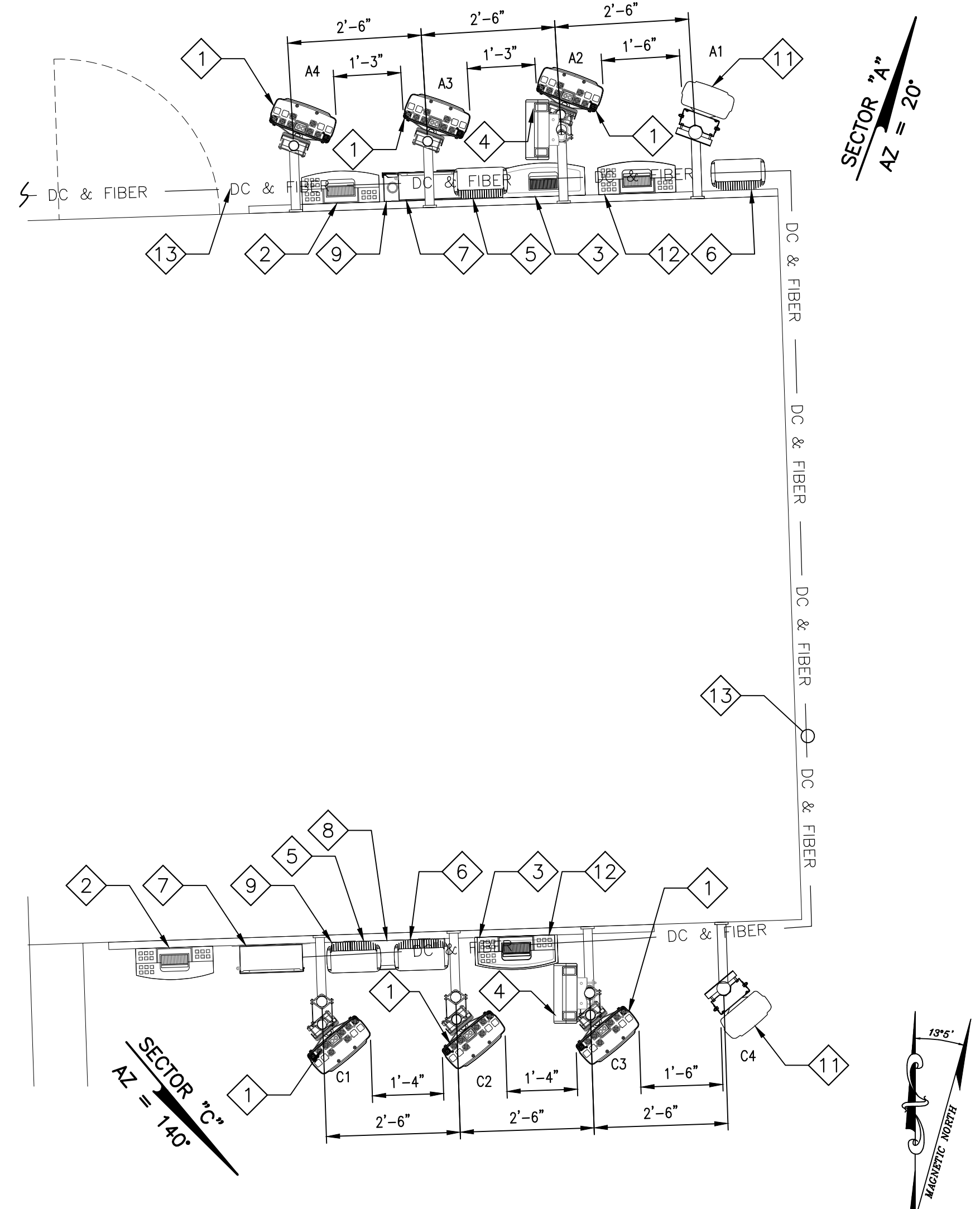
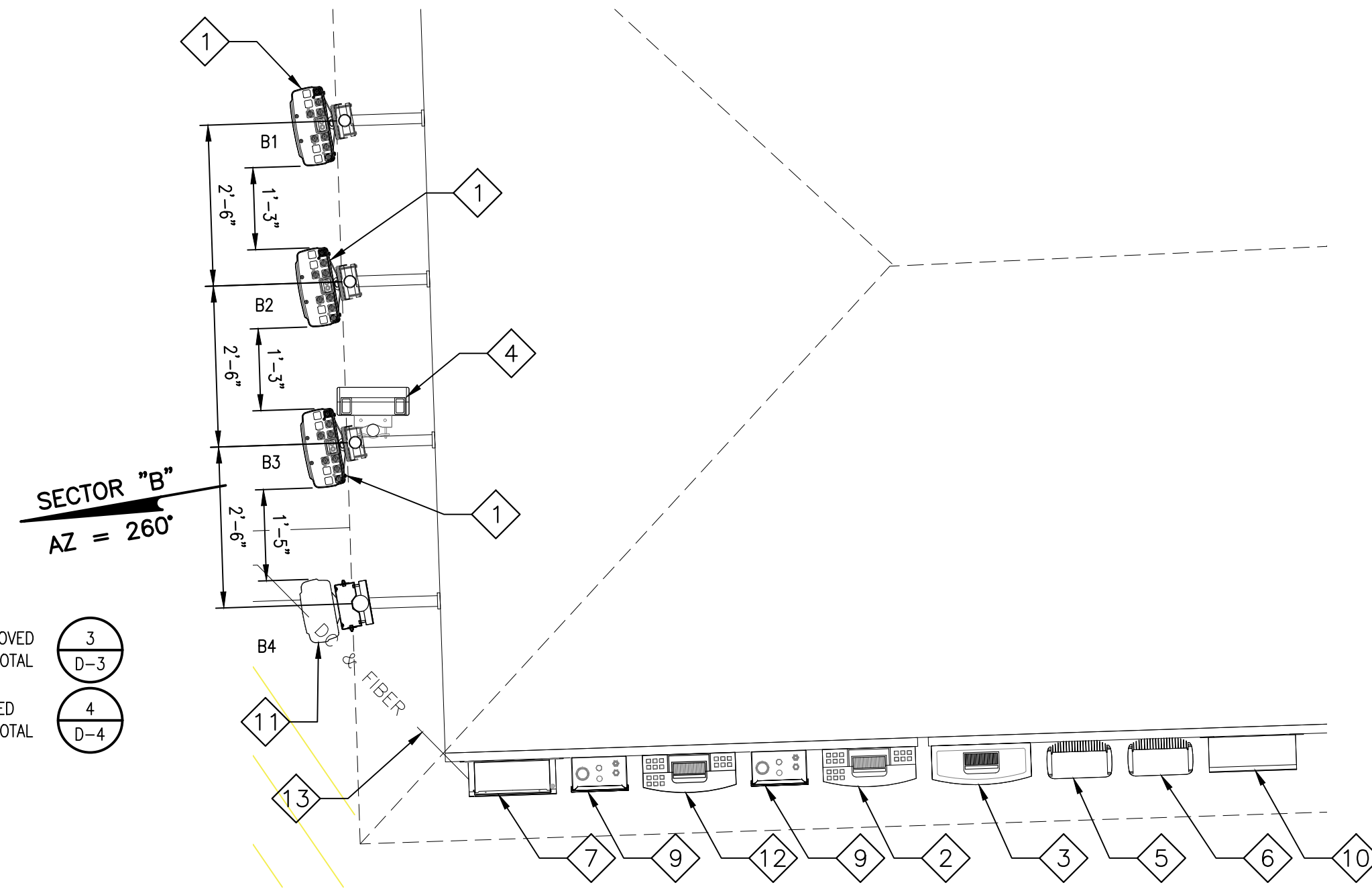
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SHEET TITLE
**ENLARGED ROOF PLAN
 AND EQUIPMENT LAYOUT**

SHEET NUMBER
A-2

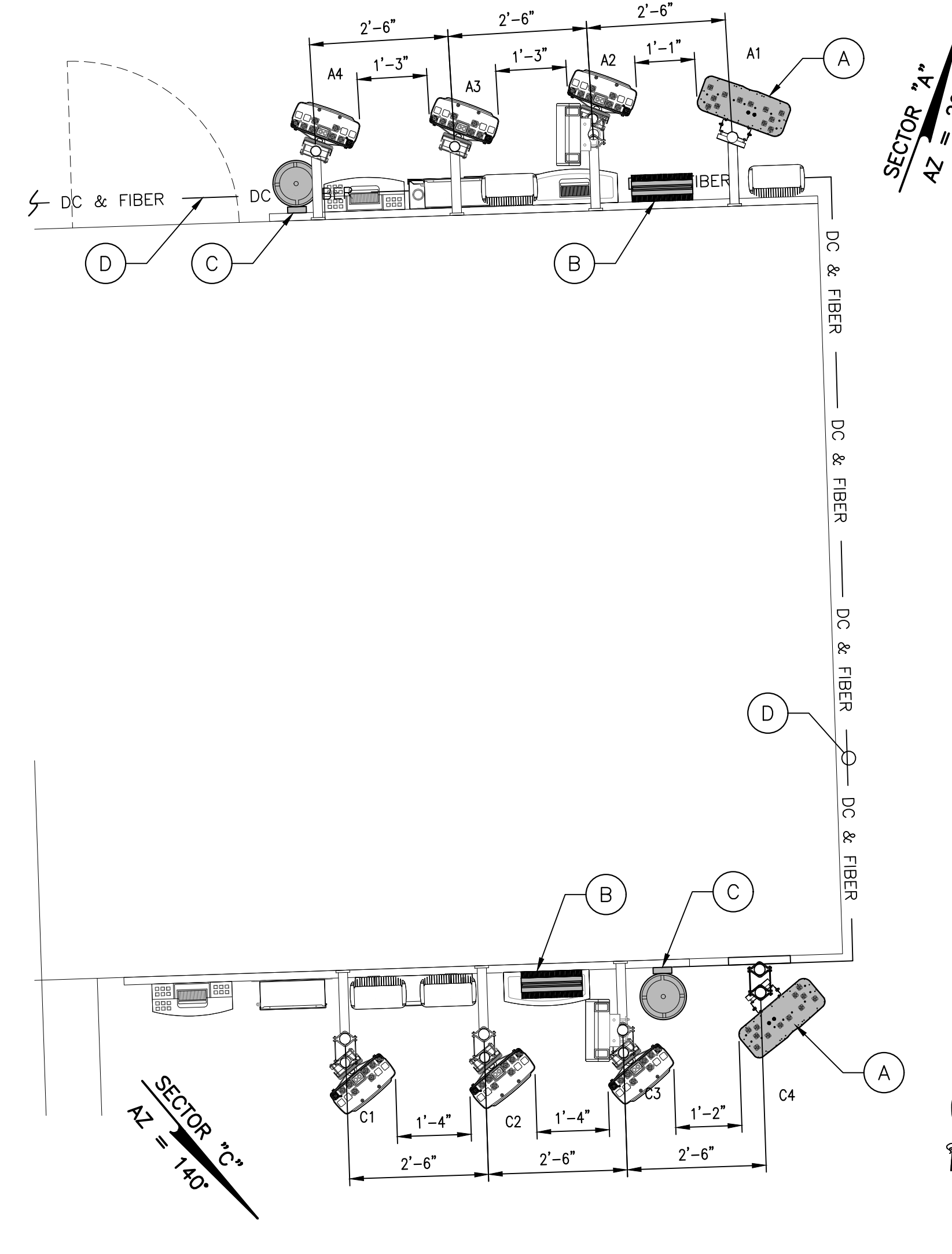
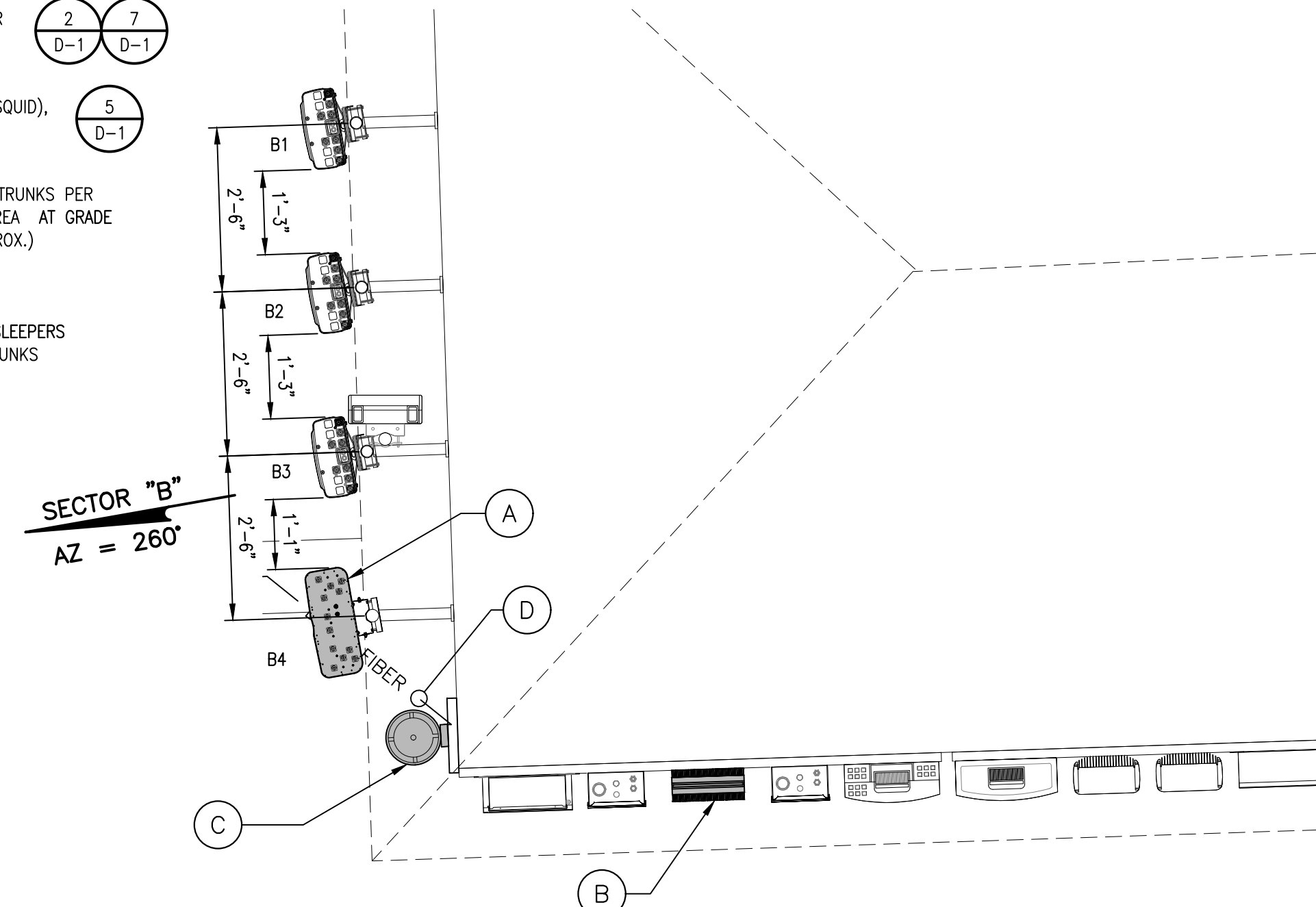
EXISTING ANTENNA LAYOUT KEY NOTES

- 1 (E) AT&T PANEL ANTENNAS TO REMAIN (3) PER SECTOR, (9) TOTAL
- 2 (E) AT&T RRU-11 B2 TO REMAIN (1) PER SECTOR, (3) TOTAL
- 3 (E) AT&T RRU-12 B5 TO REMAIN (1) PER SECTOR, (3) TOTAL
- 4 (E) AT&T RRU-4478 B14 TO REMAIN (1) PER SECTOR, (3) TOTAL
- 5 (E) AT&T RRU-32 B30 TO REMAIN (1) PER SECTOR, (3) TOTAL
- 6 (E) AT&T RRU-32 B66 TO REMAIN (1) PER SECTOR, (3) TOTAL
- 7 (E) AT&T DC6 TO REMAIN (1) PER SECTOR, (3) TOTAL
- 8 (E) AT&T FC12 TO REMAIN (1) PER SECTOR, (3) TOTAL
- 9 (E) AT&T DC2 TO REMAIN (2) PER SECTOR, (6) TOTAL
- 10 (E) AT&T FIBER BOX TO REMAIN
- 11 (E) AT&T PANEL ANTENNAS TO BE REMOVED AND REPLACED (1) PER SECTOR, (3) TOTAL
- 12 (E) AT&T RRU-11 B12 TO BE REMOVED AND REPLACED (1) PER SECTOR, (3) TOTAL
- 13 (E) AT&T DC & FIBER TRUNKS



NEW ANTENNA LAYOUT KEY NOTES

- A (N) AT&T COMMSCOPE 8 PORT NNH4-65A-R6H4 PANEL ANTENNA (1) PER SECTOR (3) TOTAL
- B (N) AT&T RRU-4449 B5/B12, (1) PER SECTOR (3) TOTAL
- C (N) AT&T DC-9 SURGE SUPPRESSOR (SQUID), (1) PER SECTOR, (3) TOTAL
- D (N) AT&T (2) DC POWER & (1) FIBER TRUNKS PER SECTOR FROM (E) EQUIPMENT LEASE AREA AT GRADE LEVEL TO EACH ANTENNA SECTOR (APPROX.)
SECTOR "A", 300' ±
SECTOR "B", 270' ±
SECTOR "C", 330' ±
AND TO BE ROUTED ON (E) VERTICAL SLEEPERS TO FOLLOW (E) FIBER & DC POWER TRUNKS



CCL00432
4TX4RX SOFTWARE RETROFIT,
5G NR 1DR-1
LAGUNA HONDA
375 LAGUNA HONDA BLVD
SAN FRANCISCO, CA 94131



5001 EXECUTIVE PKWY
SAN RAMON, CA 94583



2360 CIVIC DRIVE., STE. C
PLEASANT HILL, CA 94523

PLANS PREPARED BY:
INTELOCITY
DESIGN | BUILD | INNOVATE
1875 Coronado Ave
Signal Hill, CA 90755
A NUWAVE COMPANY

REV	DATE	DESCRIPTION	
4	05/05/20	100% CONSTRUCTION DRAWINGS	JG
3	04/13/20	95% CD AT&T REDLINES	GO
2	03/02/20	90% CONSTRUCTION DRAWINGS	RC/GO
1	02/14/20	85% CONSTRUCTION DRAWINGS	RC
0	10/25/18	80% CONSTRUCTION DRAWINGS	BC

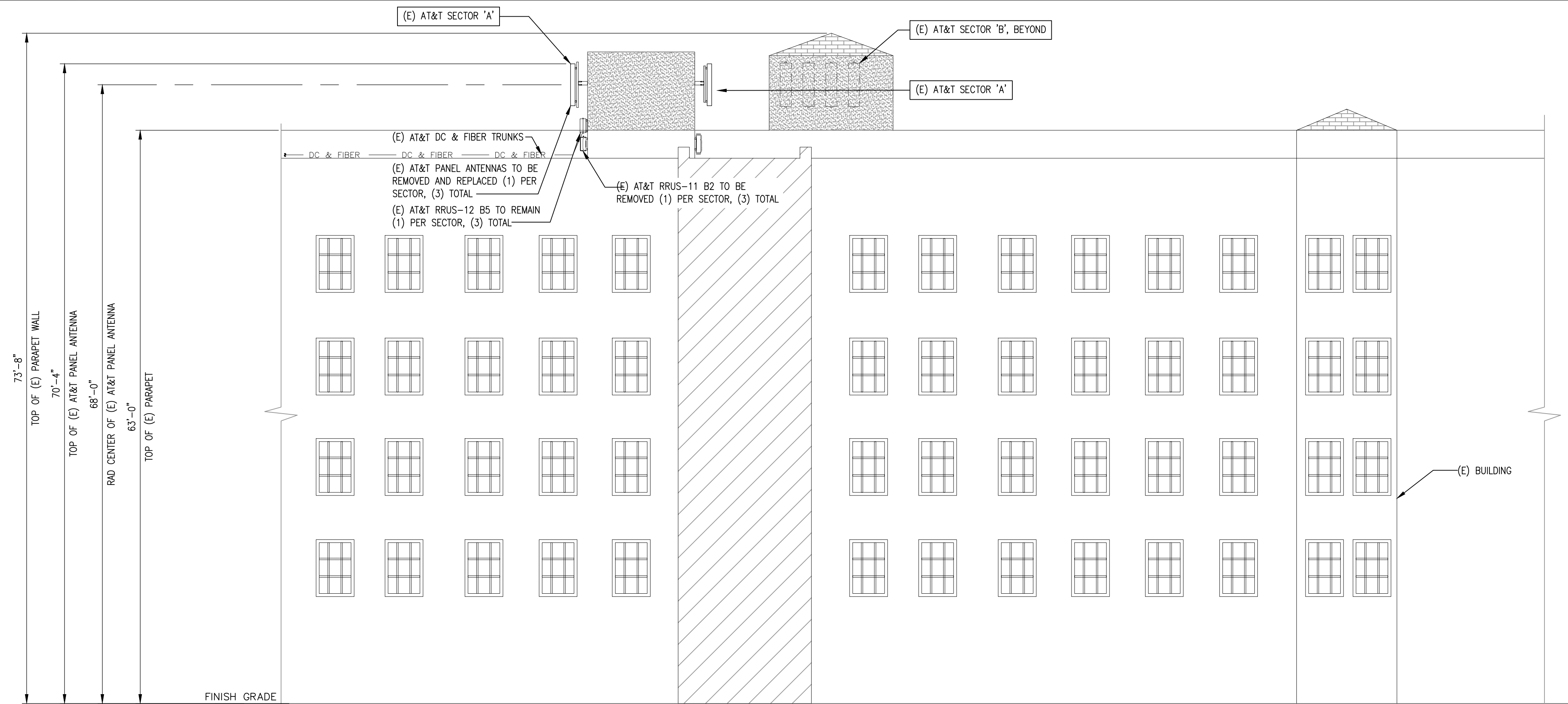


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SHEET TITLE
EXISTING ANTENNA LAYOUT

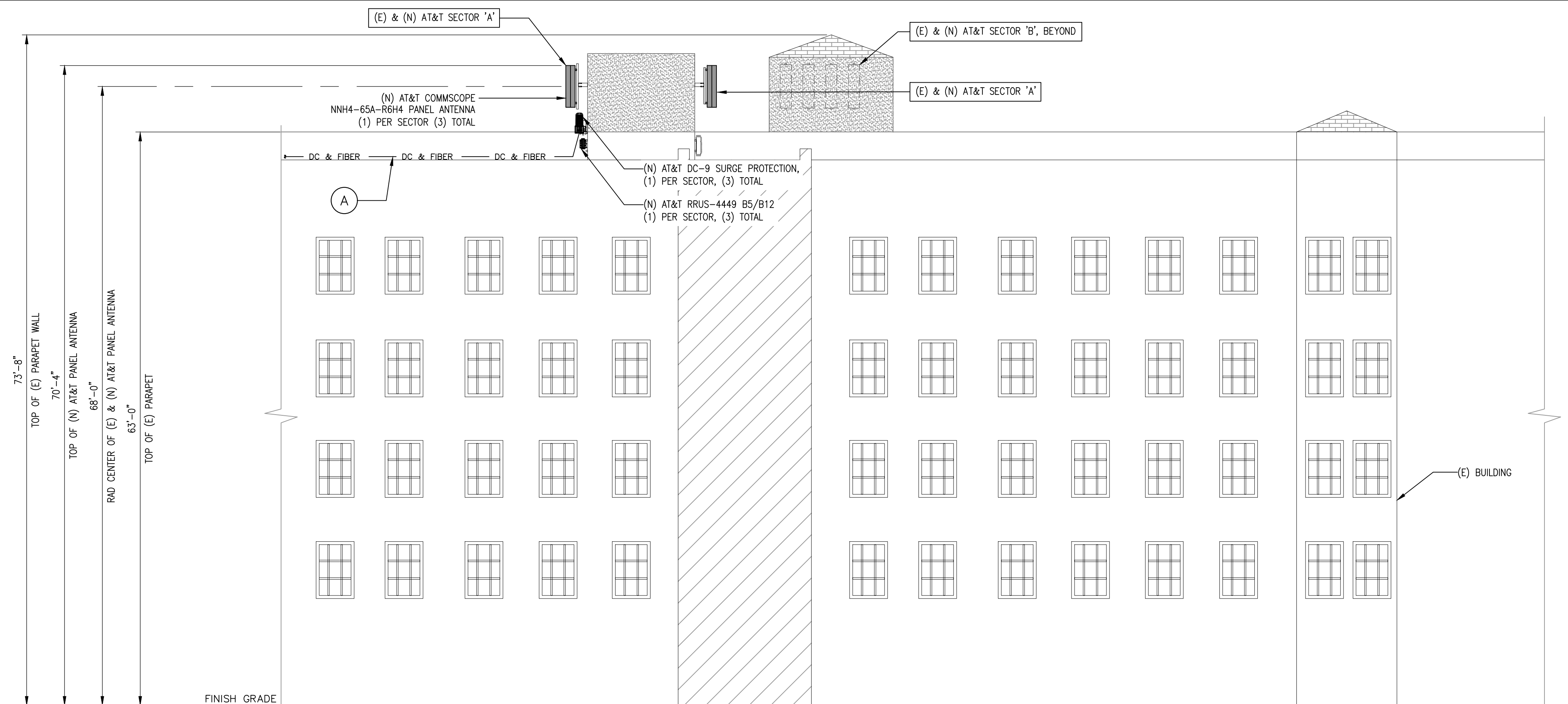
SHEET NUMBER

A-3



EXISTING EAST ELEVATION

SCALE: 1/8"=1'-0" 0 4 8 1



NEW EAST ELEVATION

SCALE: 1/8"=1'-0" 0 4 8 2

NEW DC & FIBER TRUNKS

- (A) NEW AT&T (2) DC POWER & (1) FIBER TRUNKS PER SECTOR FROM (E) EQUIPMENT LEASE AREA AT GRADE LEVEL TO EACH ANTENNA SECTOR (APPROX.)
- SECTOR "A", 300' ±
- SECTOR "B", 270' ±
- SECTOR "C", 330' ±
- AND TO BE ROUTED ON (E) VERTICAL SLEEPERS TO FOLLOW (E) FIBER & DC POWER TRUNKS

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2360 CIVIC DRIVE., STE. C
PLEASANT HILL, CA 94523

PLANS PREPARED BY:



1875 Coronado Ave
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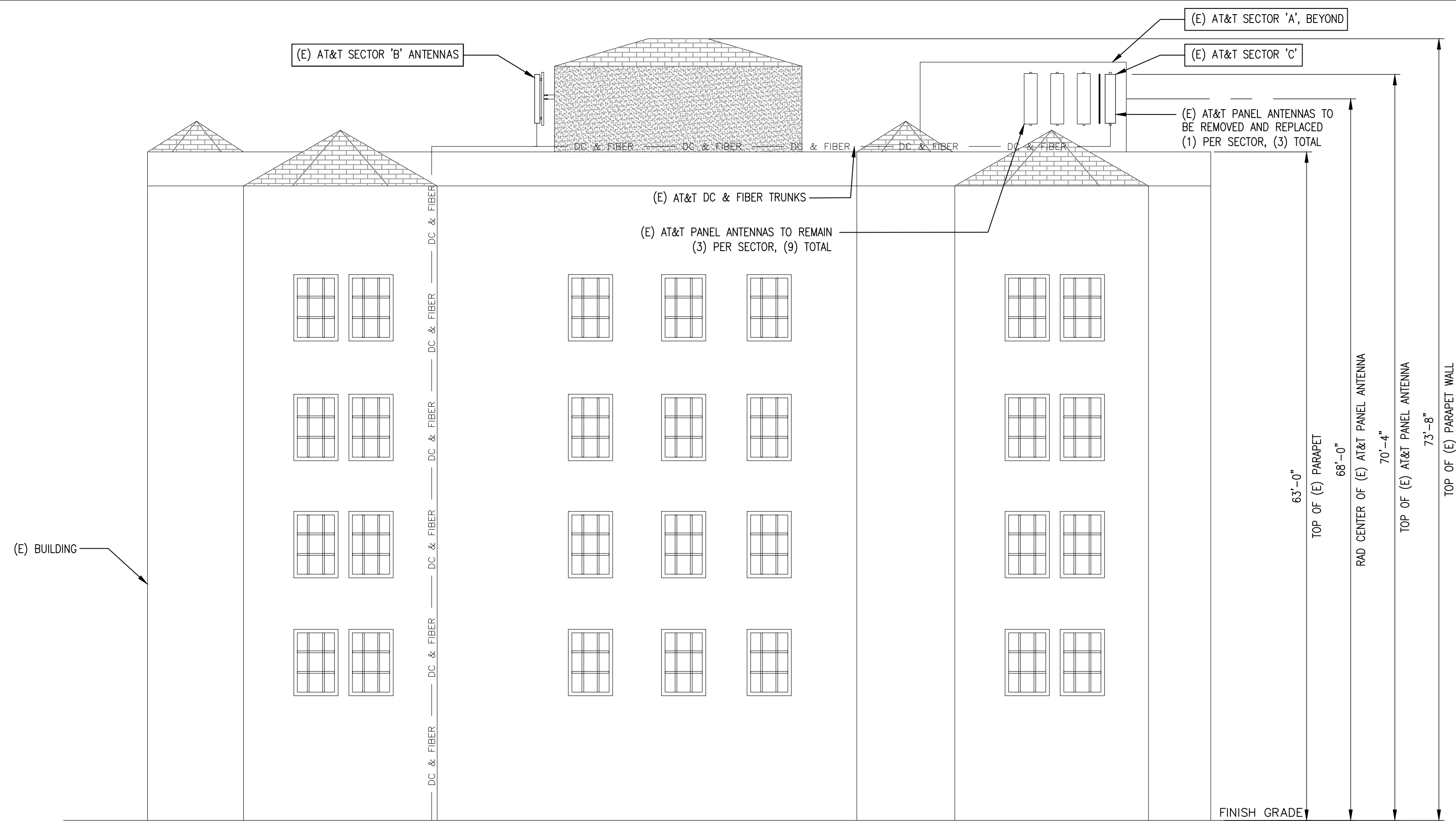
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3	04/13/20	95% CD AT&T REDLINES	GO
2	03/02/20	90% CONSTRUCTION DRAWINGS	RC/GO
1	02/14/20	85% CONSTRUCTION DRAWINGS	RC
0	10/25/18	80% CONSTRUCTION DRAWINGS	BC



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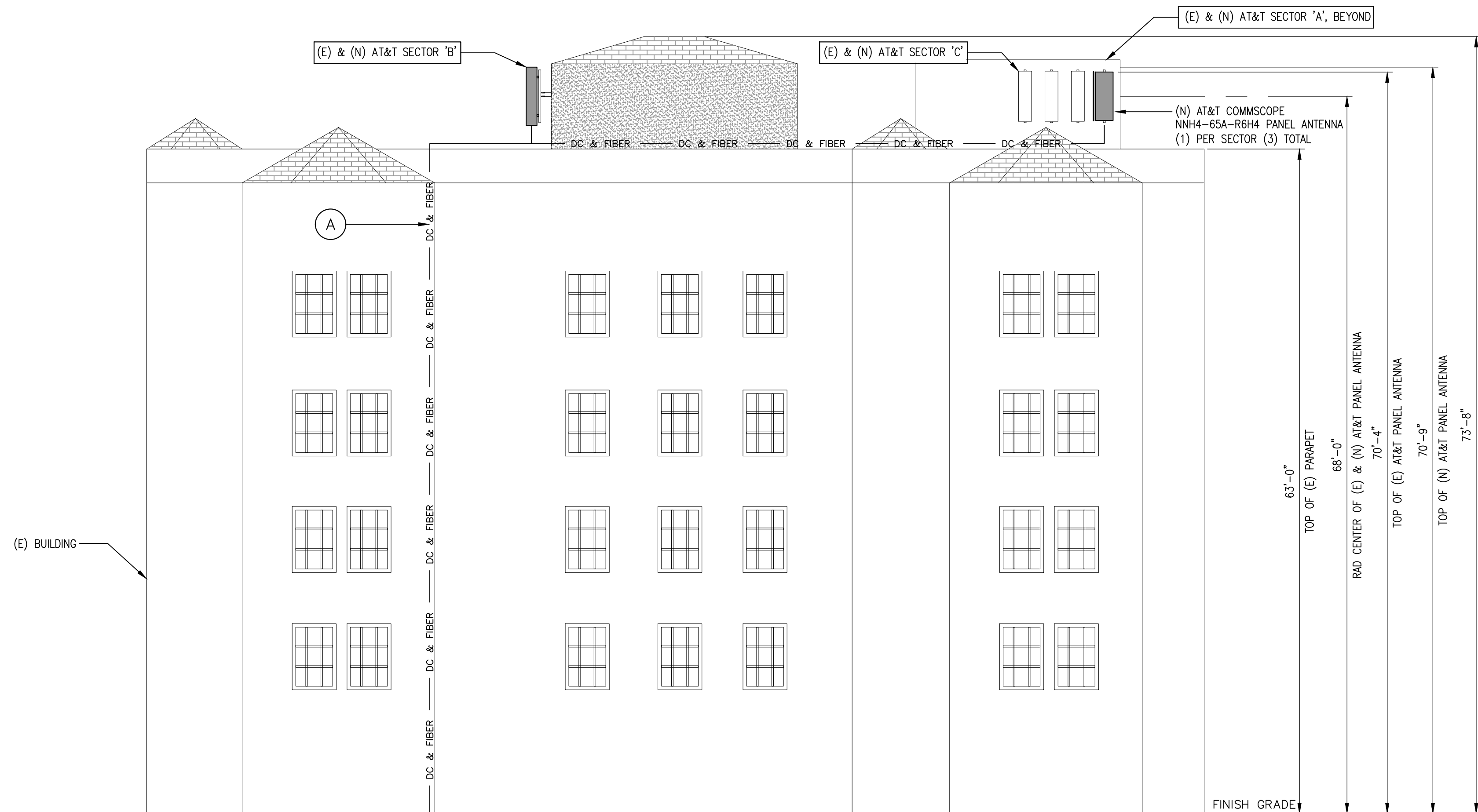
SHEET TITLE
ELEVATION

SHEET NUMBER
A-4



EXISTING SOUTH ELEVATION

SCALE: 1/8"=1'-0" 1



NEW DC & FIBER TRUNKS

- (A) NEW AT&T (2) DC POWER & (1) FIBER TRUNKS PER SECTOR FROM (E) EQUIPMENT LEASE AREA AT GRADE LEVEL TO EACH ANTENNA SECTOR (APPROX.)
- SECTOR "A", 300' ±
- SECTOR "B", 270' ±
- SECTOR "C", 330' ±
- AND TO BE ROUTED ON (E) VERTICAL SLEEPERS TO FOLLOW (E) FIBER & DC POWER TRUNKS

SCALE: 1/8"=1'-0" 2

NEW SOUTH ELEVATION

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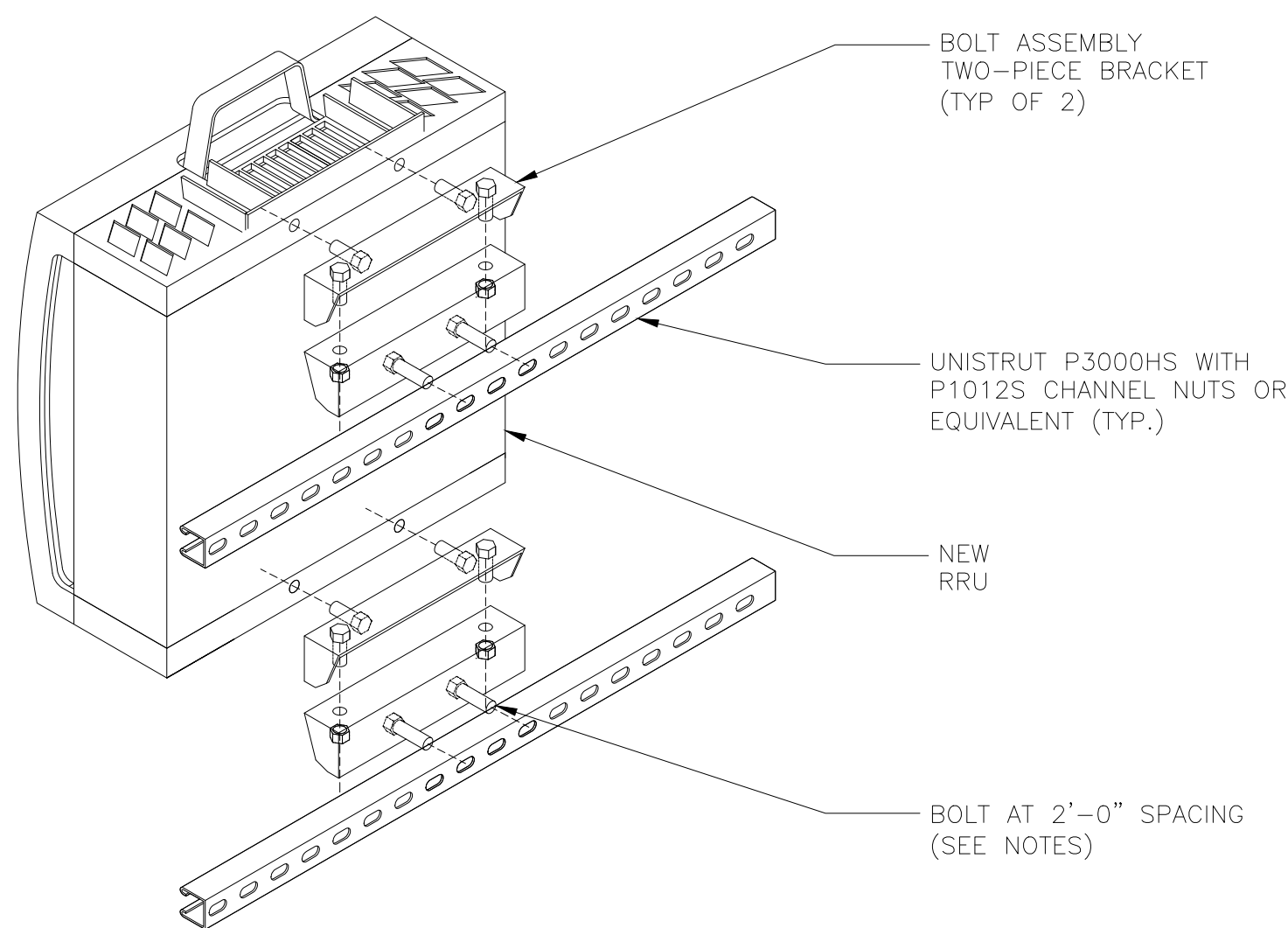
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3	04/13/20	95% CD AT&T REDLINES	GO
2	03/02/20	90% CONSTRUCTION DRAWINGS	RC/GO
1	02/14/20	85% CONSTRUCTION DRAWINGS	RC
0	10/25/18	80% CONSTRUCTION DRAWINGS	BC



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SHEET TITLE
ELEVATION

SHEET NUMBER
A-5



RAYCAP DC12-48-60-RM

DIMENSIONS, WxDxH: 483x89x392mm (19.0"x3.5"x15.4")

NOMINAL OPERATING VOLTAGE: 48 VDC

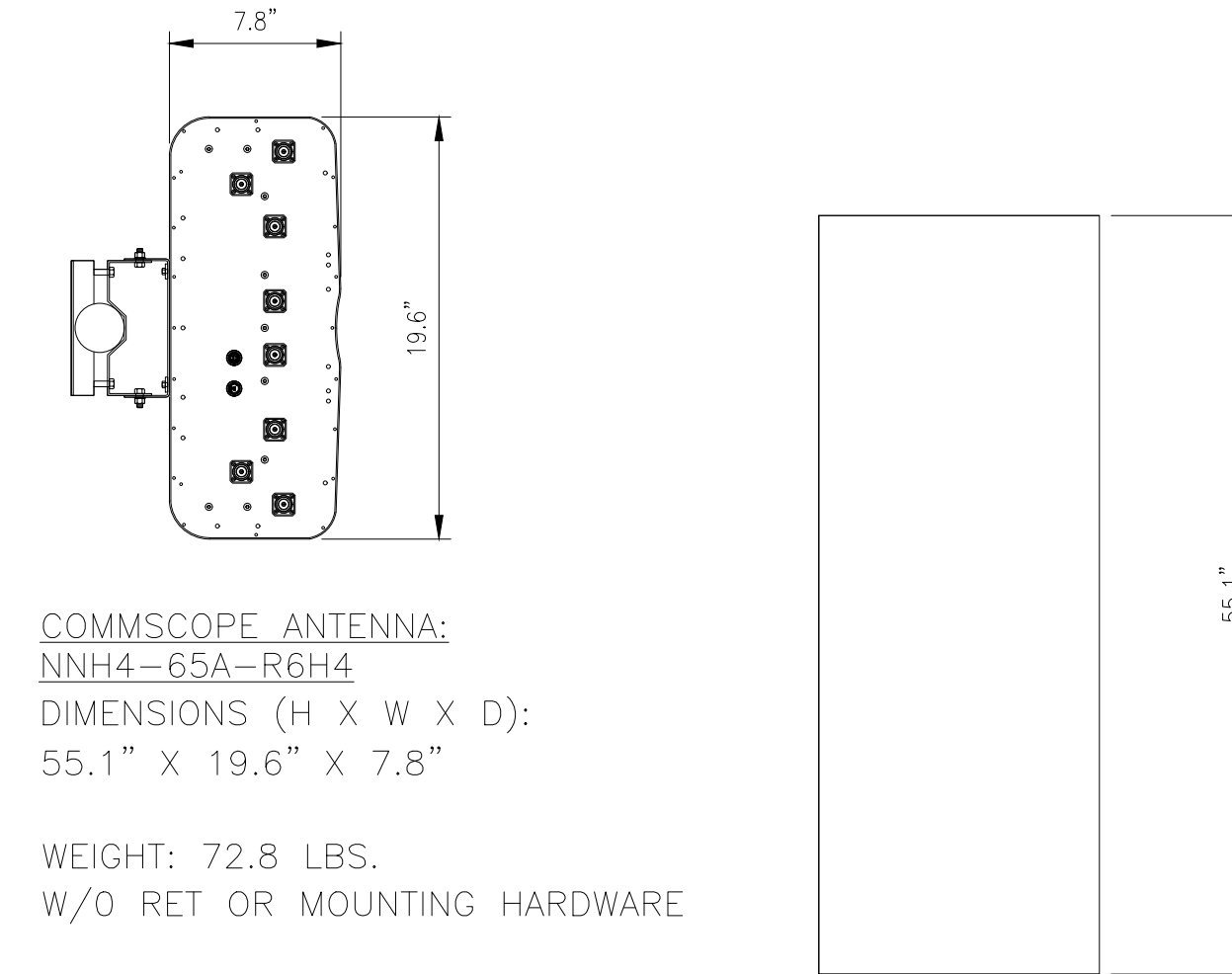
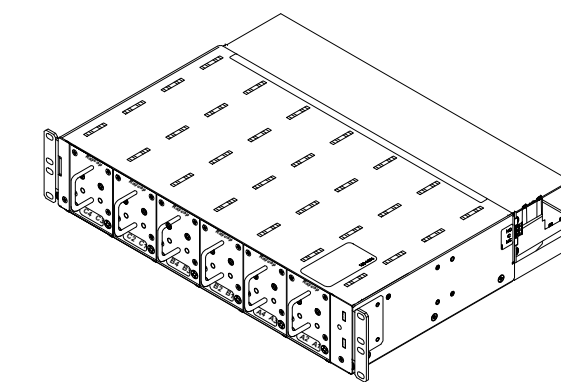
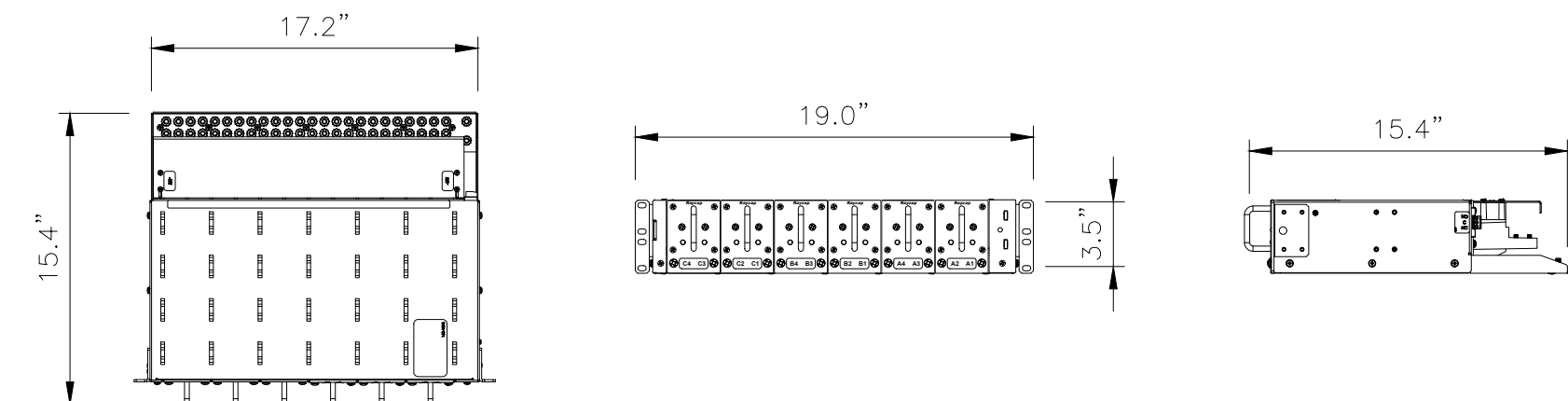
NOMINAL DISCHARGE CURRENT: 20 kA 8/20μs

MAXIMUM DISCHARGE CURRENT: 60 kA 8/20μs

MAXIMUM CONTINUOUS OPERATING VOLTAGE: 75 VDC

VOLTAGE PROTECTION RATING: 400 V

TOTAL WEIGHT: 27 lbs



COMMSCOPE ANTENNA:
NNH4-65A-R6H4
DIMENSIONS (H X W X D):
55.1" X 19.6" X 7.8"

WEIGHT: 72.8 LBS.
W/O RET OR MOUNTING HARDWARE

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SAN FRANCISCO, CA 94131



5001 EXECUTIVE PKWY
SAN RAMON, CA 94583



2360 CIVIC DRIVE., STE. C
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REV	DATE	DESCRIPTION	
4	05/05/20	100% CONSTRUCTION DRAWINGS	JG
3	04/13/20	95% CD AT&T REDLINES	GO
2	03/02/20	90% CONSTRUCTION DRAWINGS	RC/GO
1	02/14/20	85% CONSTRUCTION DRAWINGS	RC
0	10/25/18	80% CONSTRUCTION DRAWINGS	BC

TYPICAL RRU MOUNTING DETAIL

NO SCALE

7

DC 12 SURGE PROTECTION DETAIL

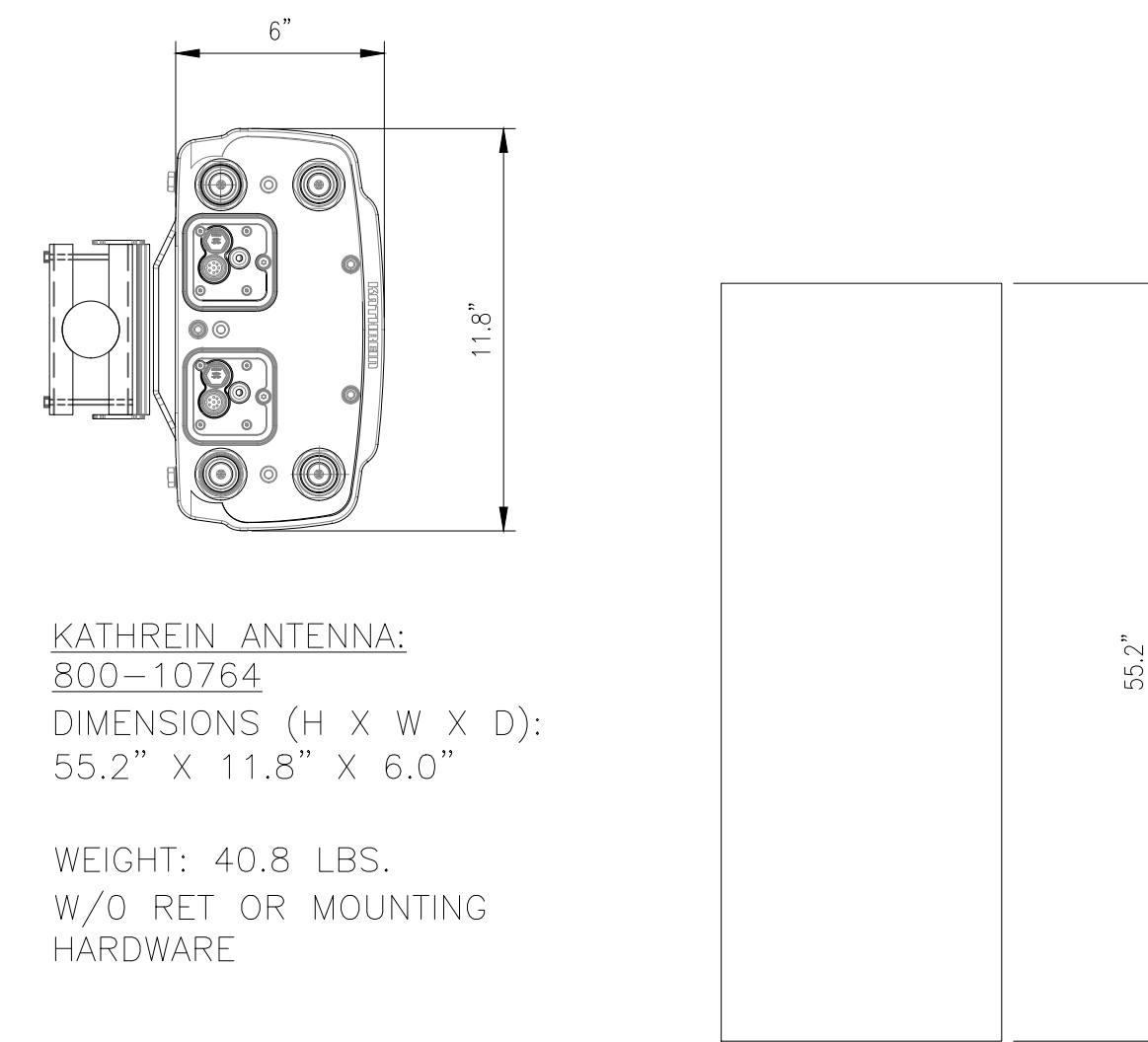
NO SCALE

4

COMMSCOPE ANTENNA

NO SCALE

1



KATHREIN ANTENNA:
800-10764
DIMENSIONS (H X W X D):
55.2" X 11.8" X 6.0"

WEIGHT: 40.8 LBS.
W/O RET OR MOUNTING
HARDWARE

RAYCAP DC9-48-60-24-8C-EV

DIMENSIONS, WxDxH: 260x662mm (10.24"x26.06")

NOMINAL OPERATING VOLTAGE: 48 VDC

NOMINAL DISCHARGE CURRENT: 20 kA 8/20μs

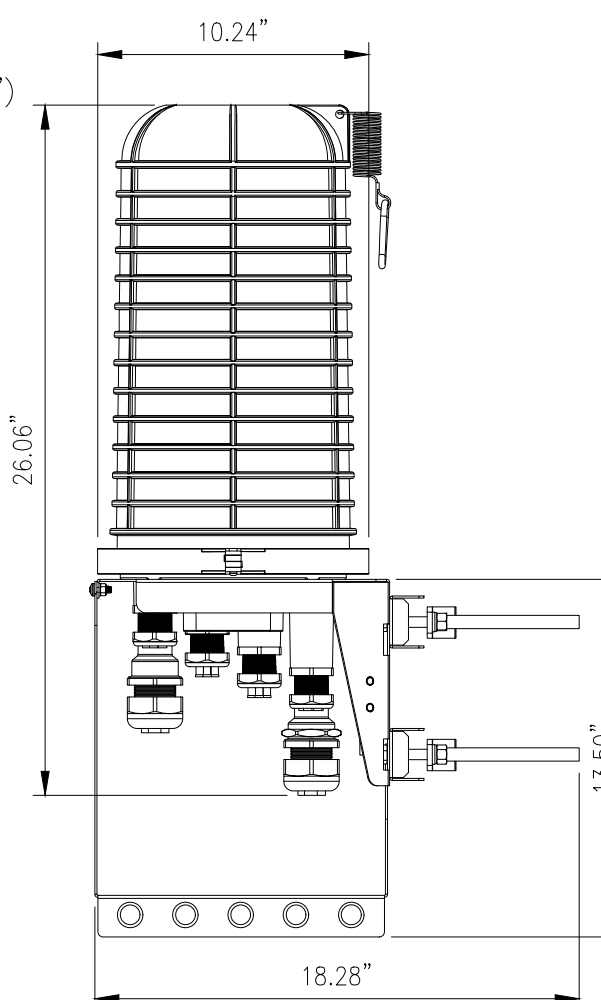
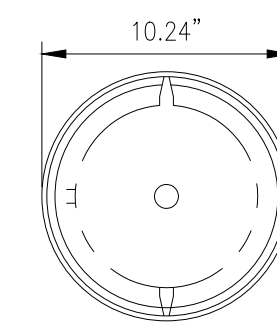
MAXIMUM DISCHARGE CURRENT: 12.5 kA 10/350μs

MAXIMUM CONTINUOUS OPERATING VOLTAGE: 60 VDC

VOLTAGE PROTECTION RATING: 330 V

WIND LOADING: 150 MPH (SUSTAINED)
195 MPH (GUST)

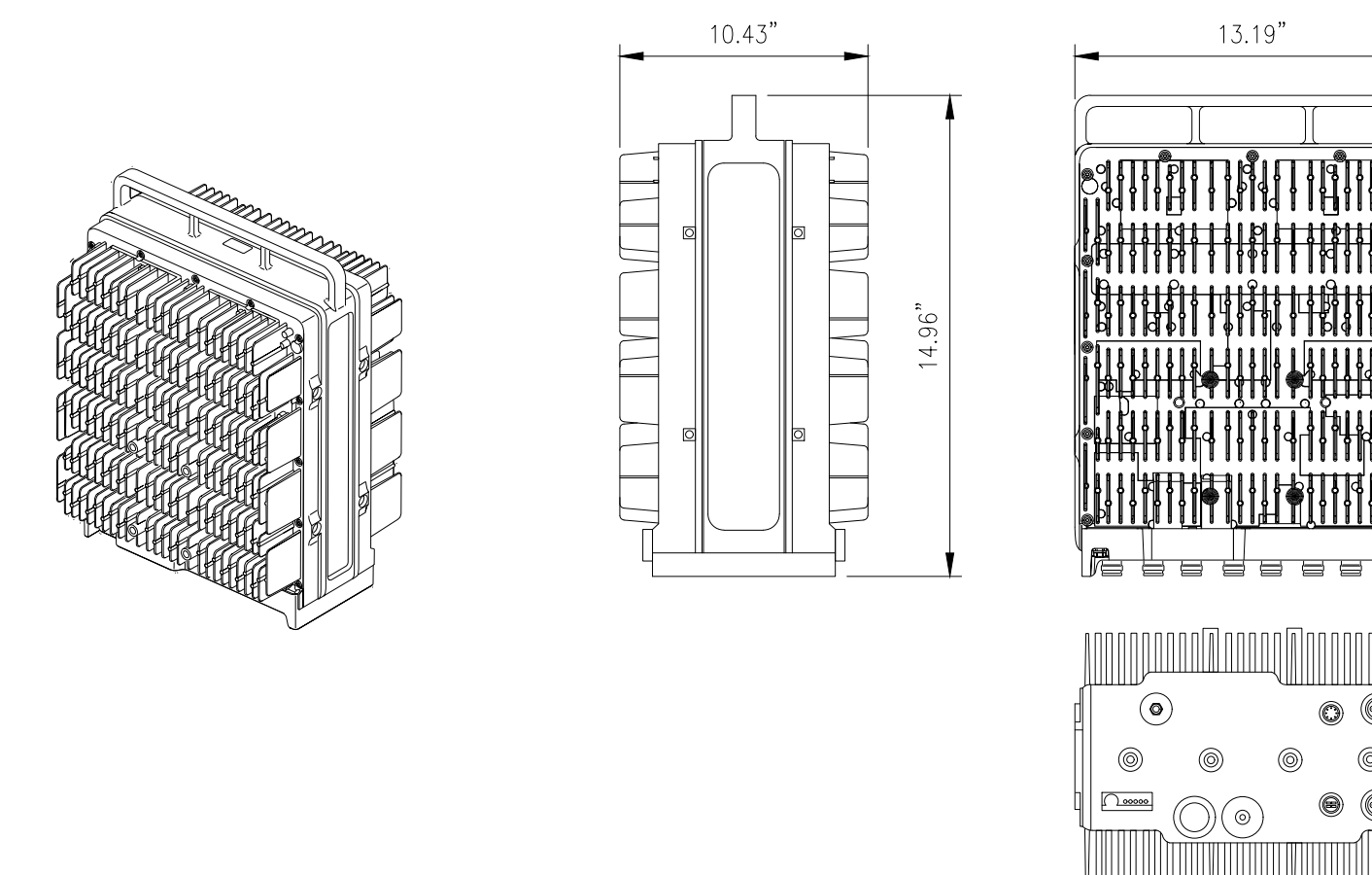
TOTAL WEIGHT: 26.2 lbs



ERICSSON RRUS-4449 B5, B12

DIMENSIONS, HxWxD: 14.96"x13.19"x10.43"

TOTAL WEIGHT (EXCLUDING MNT. HARDWARE): 73 lbs



KATHREIN ANTENNA TO BE REMOVED

NO SCALE

8

DC 9 SURGE PROTECTION DETAIL

NO SCALE

5

RRUS-4449 B5, B12 SPECIFICATIONS

NO SCALE

2

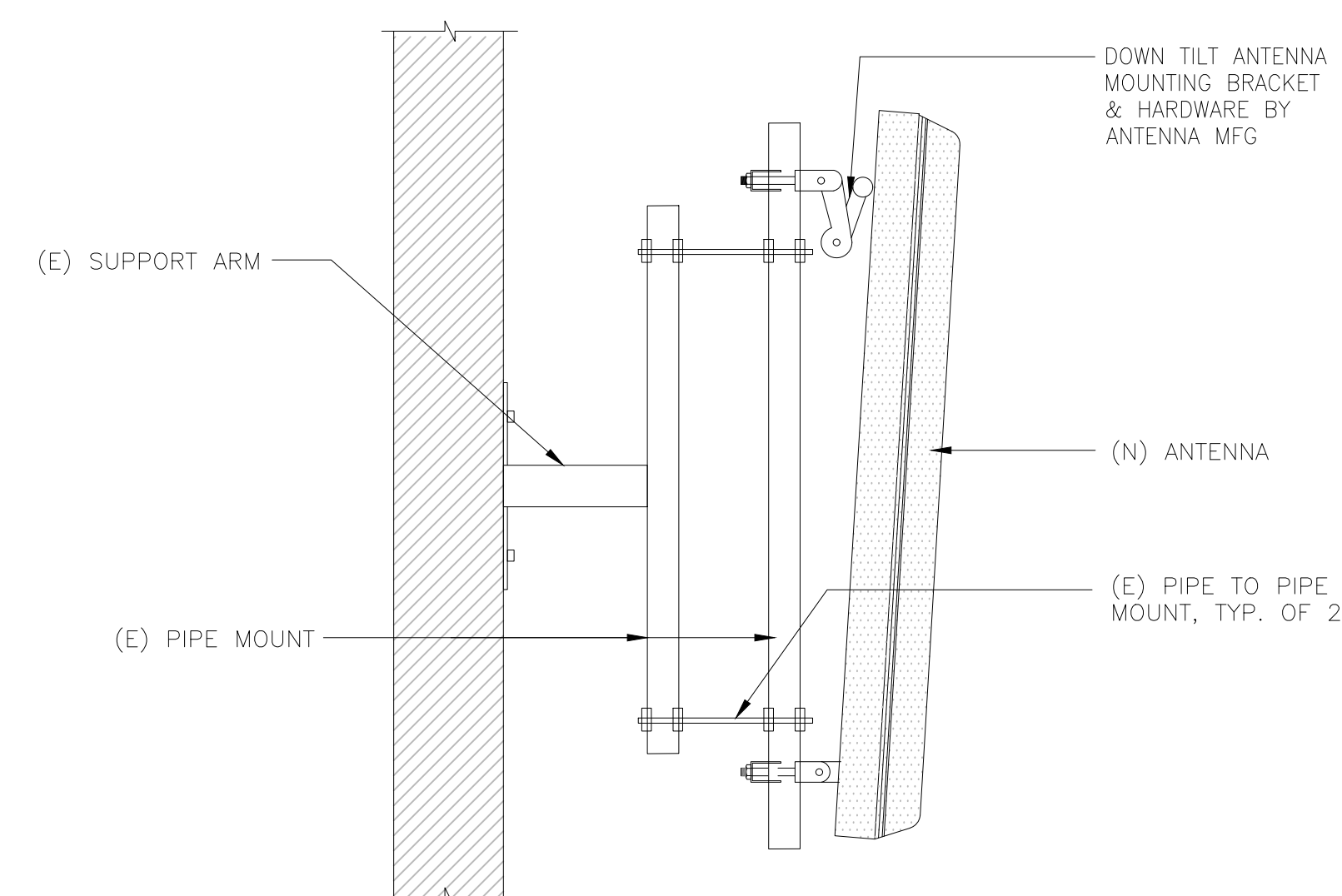
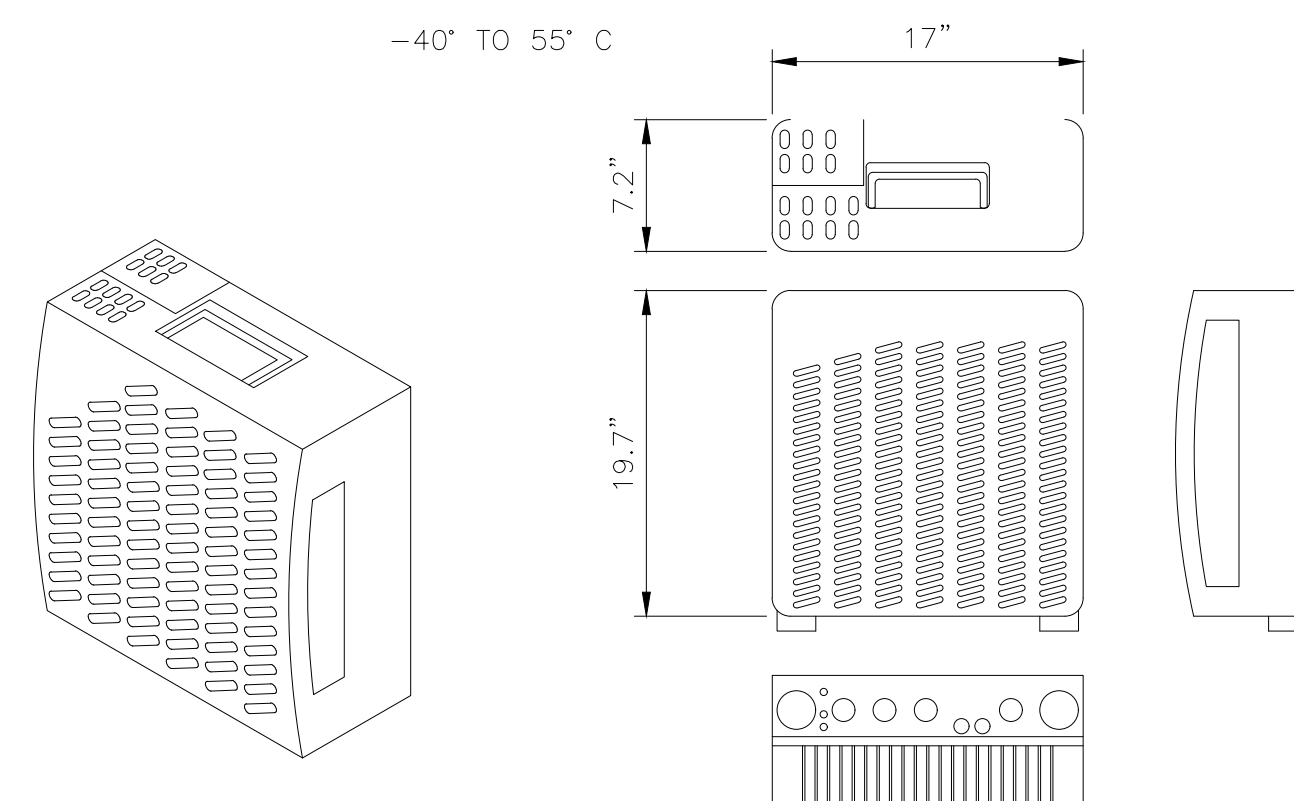
ERICSSON RRUS-11 B12

DIMENSIONS, HxWxD: 20"x17"x7"

POWER CONSUMPTION: 200 WATTS

TOTAL WEIGHT: 50 lbs

TEMPERATURE: -40° TO 55° C



ERICSSON BASEBAND UNIT 6630

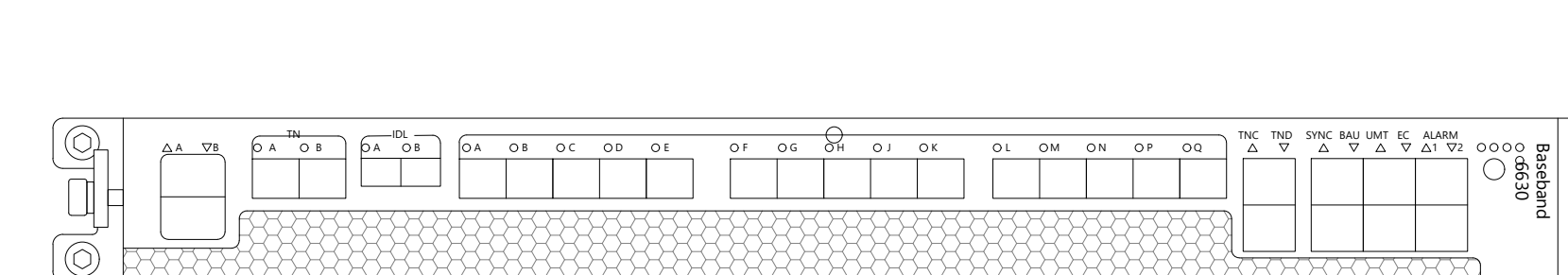
DC POWER SUPPLY: -48VDC

NOMINAL VOLTAGE: 0 TO + 55 DEG C

TEMPERATURE: 19" W X 13.8"D

WEIGHT: 14.3 lbs

15 CPRI PORTS
MAXIMUM OF 24 CELLS (18 WITH NB-IOT)
2 OPTICAL (1/10Gbps)/2 ELECTRICAL (1Gbps) PORTS



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SHEET TITLE
DETAILS

SHEET NUMBER
D-1

RRUS-11 B12 TO BE REMOVED

NO SCALE

9

TYPICAL ANTENNA MOUNT

NO SCALE

6

ERICSSON BASEBAND UNIT 6630

NO SCALE

3