

GENERAL NOTES:

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:

1.1. CONTRACTOR – T.B.D.

1.2. SUBCONTRACTOR – GENERAL CONTRACTOR (CONSTRUCTION)

1.3. OWNER – AT&T MOBILITY

1.4. OEM – ORIGINAL EQUIPMENT MANUFACTURE
2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
4. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
5. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER’S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
6. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CONTRACTOR.
7. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR. ROUTING OF TRENCHING SHALL BE APPROVED BY CONTRACTOR.
8. 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 OWNER.
9. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OFF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER’S DESIGNATED LOCATION.
10. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
11. ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.
12. ALL STRUCTURAL STEEL WORK SHALL BE DONE IN ACCORDANCE WITH AISC SPECIFICATIONS.
13. CONSTRUCTION SHALL COMPLY WITH SPECIFICATION 25741–000–3APS–A00Z–00002, GENERAL CONSTRUCTION SERVICES.
14. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
15. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK MAY NEED TO BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
16. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.
17. WIRING, RACEWAY, AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC AND TELCORDIA.
18. SUBCONTRACTOR SHALL MODIFY EXISTING CABLE TRAY SYSTEM AS REQUIRED TO SUPPORT RF AND TRANSPORT CABLING TO THE NEW BTS EQUIPMENT. SUBCONTRACTOR SHALL SUBMIT MODIFICATIONS TO CONTRACTOR FOR APPROVAL.
19. CABLES SHALL NOT BE ROUTED THROUGH LADDER–STYLE CABLE TRAY RUNGS.
20. EACH END OF EVERY POWER, GROUNDING, AND T1 CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR–CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2 INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC & OSHA, AND MATCH EXISTING INSTALLATION REQUIREMENTS.
21. POWER PHASE CONDUCTORS (I.E., HOTS) SHALL BE LABELED WITH COLOR–CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, ½ INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). PHASE CONDUCTOR COLOR CODES SHALL CONFORM WITH THE NEC & OSHA AND MATCH EXISTING INSTALLATION REQUIREMENTS.
22. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING, AND BRANCH CIRCUIT ID NUMBERS (I.E., PLANELOAD AND CIRCUIT ID’S).
23. PANELBOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS.
24. ALL TIE WRAPS WHERE PERMITTED SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES. USE LOW PROFILES TIE WRAPS.
25. NONMETALLIC RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
26. THE SUBCONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CONTRACTOR BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
27. THE SUBCONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD AGAINST LIFE AND PROPERTY.



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188 INVERNESS DR WEST, SUITE 400
ENGLEWOOD, CO 80112



8502 E VIA DE VENTURA, SUITE 220
SCOTTSDALE, AZ 85258



2227 W. PECOS ROAD, SUITE 4,
CHANDLER AZ 85224

ADDRESS
1501 SOUTH POTOMAC
AURORA, CO 80045

SITE NUMBER
COL01176

SITE NAME
HUMANA

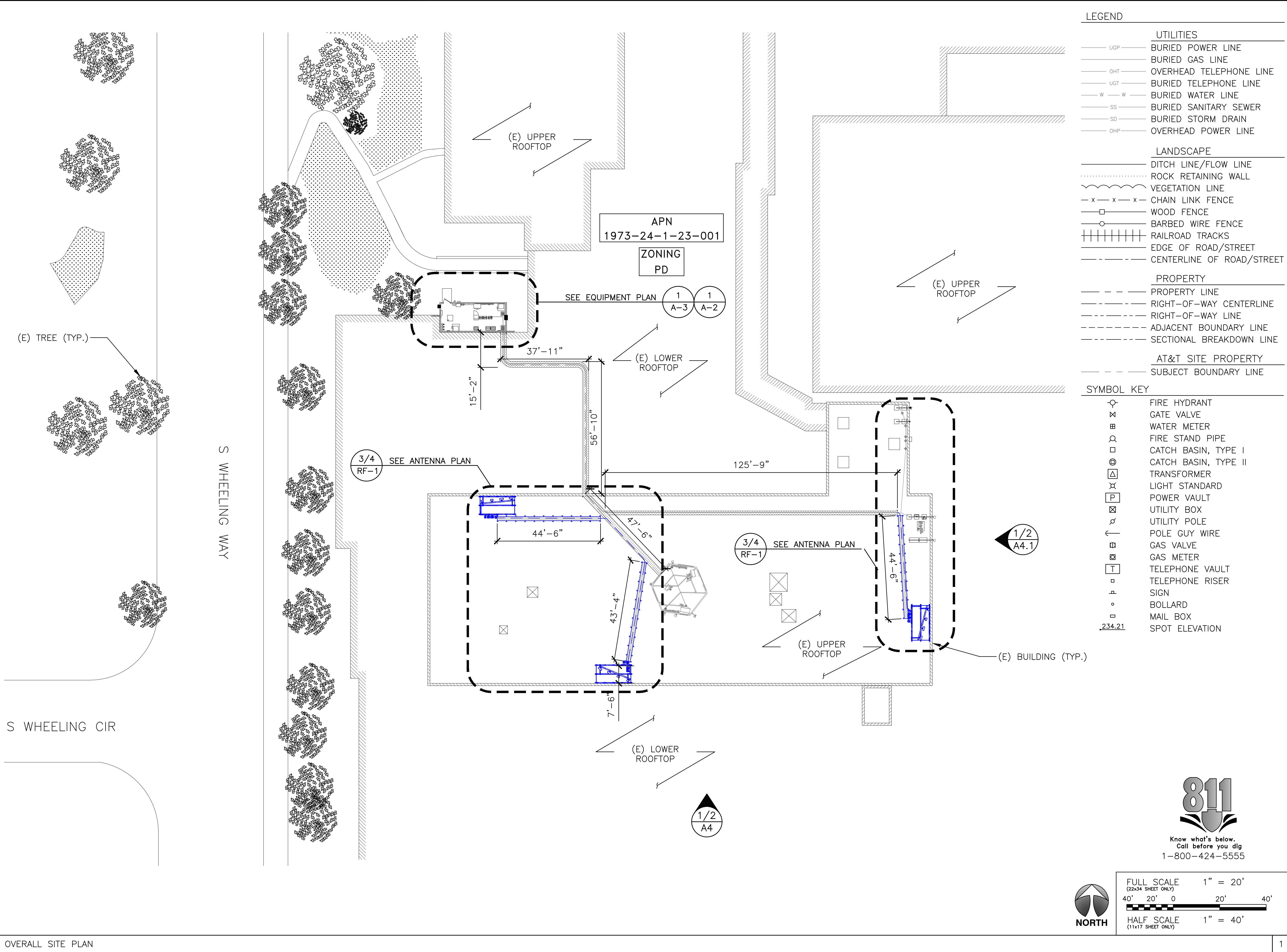
SEAL

FA #:: 10093833

REV	DATE	DESCRIPTION
A	10/25/19	PRELIMINARY ZONING DRAWINGS
B	01/28/20	SCREENING APPROVAL
C	02/03/20	CLIENT COMMENTS
D	04/27/20	SCREENING REVISION
E	05/21/20	CLIENT REVISIONS
F	07/02/20	CLIENT CORRECTIONS
G	07/09/20	SCREENING REVISION

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-1



LEGEND	
UTILITIES	
	BURIED POWER LINE
	BURIED GAS LINE
	OVERHEAD TELEPHONE LINE
	BURIED TELEPHONE LINE
	BURIED WATER LINE
	BURIED SANITARY SEWER
	BURIED STORM DRAIN
	OVERHEAD POWER LINE
LANDSCAPE	
	DITCH LINE/FLOW LINE
	ROCK RETAINING WALL
	VEGETATION LINE
	CHAIN LINK FENCE
	WOOD FENCE
	BARBED WIRE FENCE
	RAILROAD TRACKS
	EDGE OF ROAD/STREET
	CENTERLINE OF ROAD/STREET
PROPERTY	
	PROPERTY LINE
	RIGHT-OF-WAY CENTERLINE
	RIGHT-OF-WAY LINE
	ADJACENT BOUNDARY LINE
	SECTIONAL BREAKDOWN LINE
AT&T SITE PROPERTY	
	SUBJECT BOUNDARY LINE

SYMBOL KEY	
	FIRE HYDRANT
	GATE VALVE
	WATER METER
	FIRE STAND PIPE
	CATCH BASIN, TYPE I
	CATCH BASIN, TYPE II
	TRANSFORMER
	LIGHT STANDARD
	POWER VAULT
	UTILITY BOX
	UTILITY POLE
	POLE GUY WIRE
	GAS VALVE
	GAS METER
	TELEPHONE VAULT
	TELEPHONE RISER
	SIGN
	BOLLARD
	MAIL BOX
	SPOT ELEVATION

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SHEET TITLE
OVERALL SITE PLAN

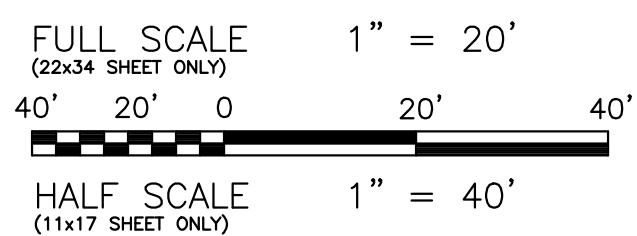
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A-1

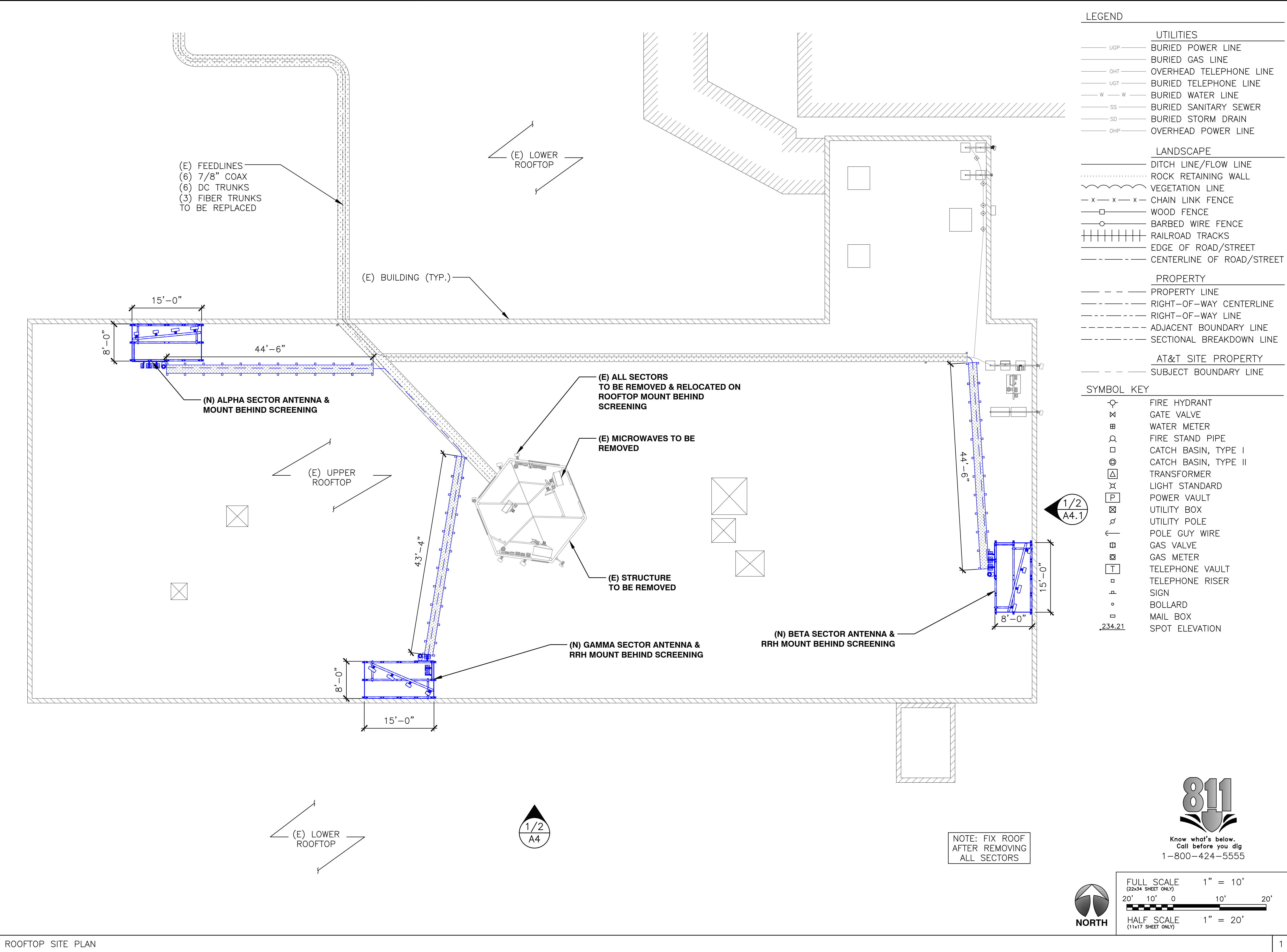
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1



Know what's below.
Call before you dig
1-800-424-5555





- LEGEND**
- UTILITIES**
- UGP BURIED POWER LINE
 - BURIED GAS LINE
 - OHT OVERHEAD TELEPHONE LINE
 - UGT BURIED TELEPHONE LINE
 - W BURIED WATER LINE
 - SS BURIED SANITARY SEWER
 - SD BURIED STORM DRAIN
 - OHP OVERHEAD POWER LINE
- LANDSCAPE**
- DITCH LINE/FLOW LINE
 - ROCK RETAINING WALL
 - VEGETATION LINE
 - x - x - x - CHAIN LINK FENCE
 - WOOD FENCE
 - BARBED WIRE FENCE
 - RAILROAD TRACKS
 - EDGE OF ROAD/STREET
 - CENTERLINE OF ROAD/STREET
- PROPERTY**
- PROPERTY LINE
 - RIGHT-OF-WAY CENTERLINE
 - RIGHT-OF-WAY LINE
 - ADJACENT BOUNDARY LINE
 - SECTIONAL BREAKDOWN LINE
- AT&T SITE PROPERTY**
- SUBJECT BOUNDARY LINE

- SYMBOL KEY**
- FIRE HYDRANT
 - GATE VALVE
 - WATER METER
 - FIRE STAND PIPE
 - CATCH BASIN, TYPE I
 - CATCH BASIN, TYPE II
 - TRANSFORMER
 - LIGHT STANDARD
 - POWER VAULT
 - UTILITY BOX
 - UTILITY POLE
 - POLE GUY WIRE
 - GAS VALVE
 - GAS METER
 - TELEPHONE VAULT
 - TELEPHONE RISER
 - SIGN
 - BOLLARD
 - MAIL BOX
 - SPOT ELEVATION

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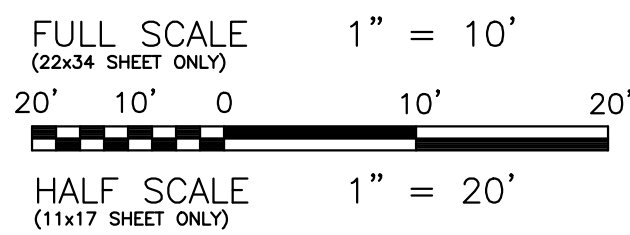
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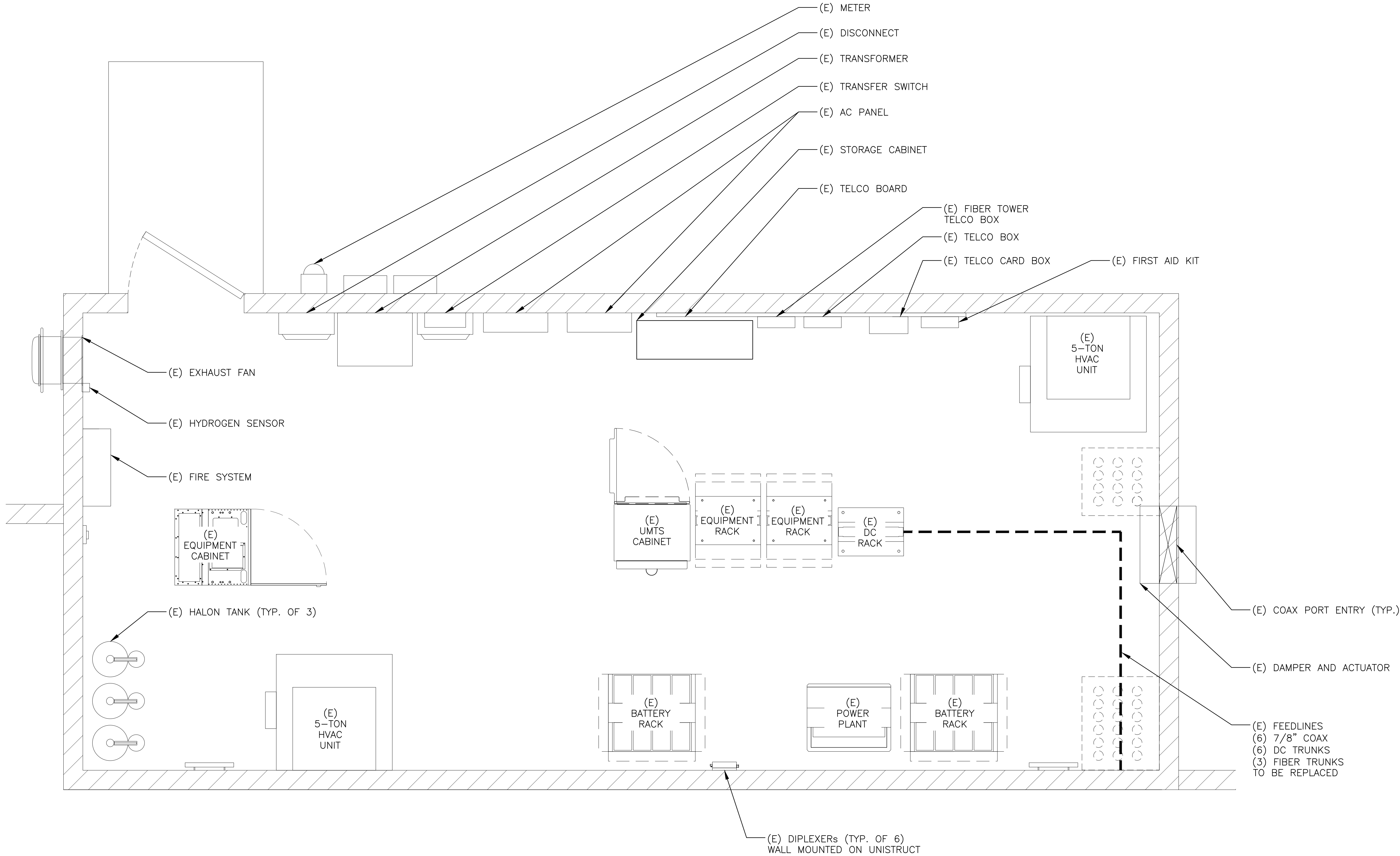
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SHEET TITLE
ROOFTOP PLAN

SHEET NUMBER
A-1.1



NOTE: FIX ROOF
AFTER REMOVING
ALL SECTORS



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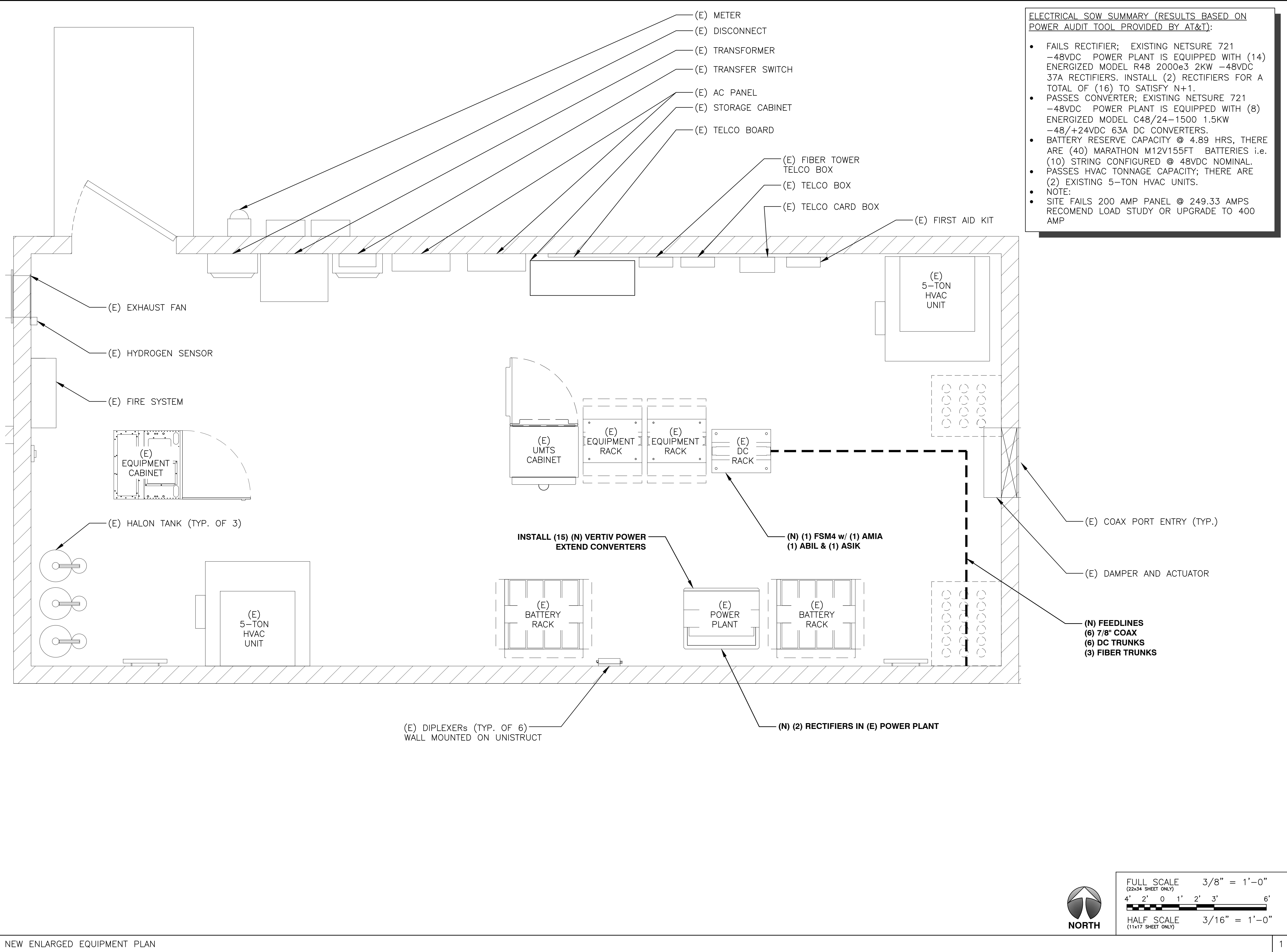
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SHEET TITLE
EXISTING ENLARGED
EQUIPMENT PLAN

SHEET NUMBER
A-2



FULL SCALE
(22x34 SHEET ONLY)
3/8" = 1'-0"
4' 2' 0' 1' 2' 3' 6'
HALF SCALE
(11x17 SHEET ONLY)
3/16" = 1'-0"



ELECTRICAL SOW SUMMARY (RESULTS BASED ON POWER AUDIT TOOL PROVIDED BY AT&T):

- FAILS RECTIFIER; EXISTING NETSURE 721 -48VDC POWER PLANT IS EQUIPPED WITH (14) ENERGIZED MODEL R48 2000e3 2KW -48VDC 37A RECTIFIERS. INSTALL (2) RECTIFIERS FOR A TOTAL OF (16) TO SATISFY N+1.
- PASSES CONVERTER; EXISTING NETSURE 721 -48VDC POWER PLANT IS EQUIPPED WITH (8) ENERGIZED MODEL C48/24-1500 1.5KW -48/+24VDC 63A DC CONVERTERS.
- BATTERY RESERVE CAPACITY @ 4.89 HRS, THERE ARE (40) MARATHON M12V155FT BATTERIES i.e. (10) STRING CONFIGURED @ 48VDC NOMINAL.
- PASSES HVAC TONNAGE CAPACITY; THERE ARE (2) EXISTING 5-TON HVAC UNITS.
- NOTE:
 - SITE FAILS 200 AMP PANEL @ 249.33 AMPS RECOMEND LOAD STUDY OR UPGRADE TO 400 AMP



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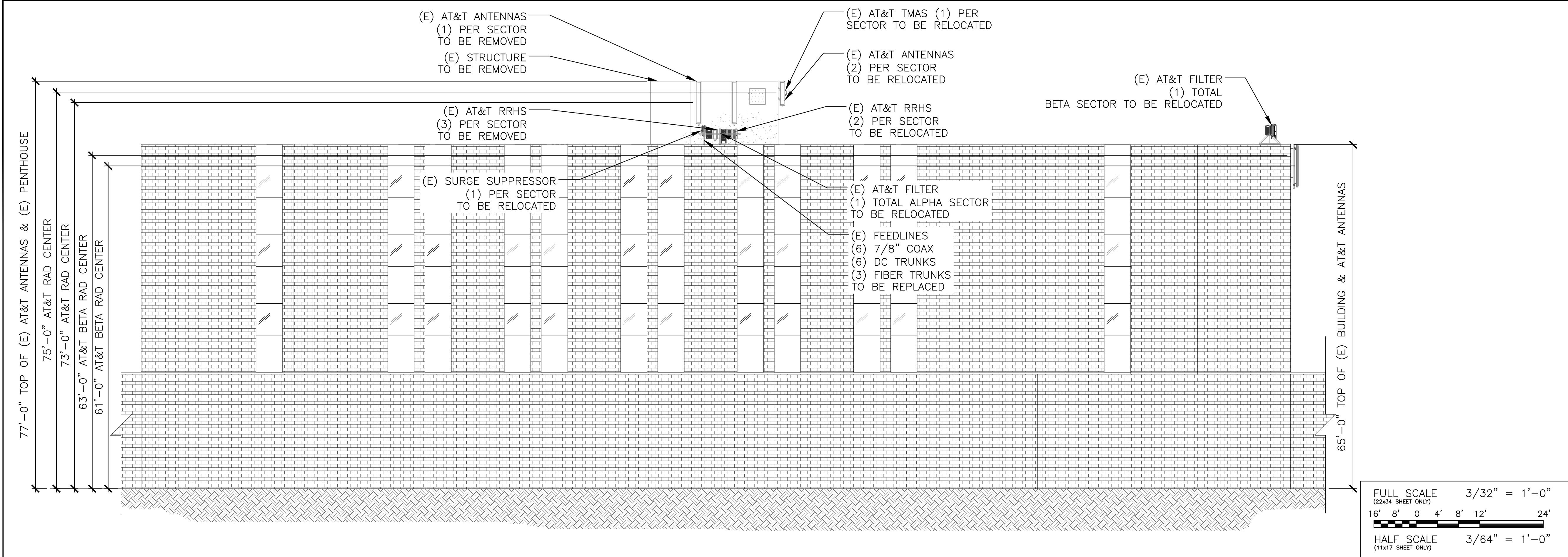
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SHEET TITLE
NEW ENLARGED
EQUIPMENT PLAN

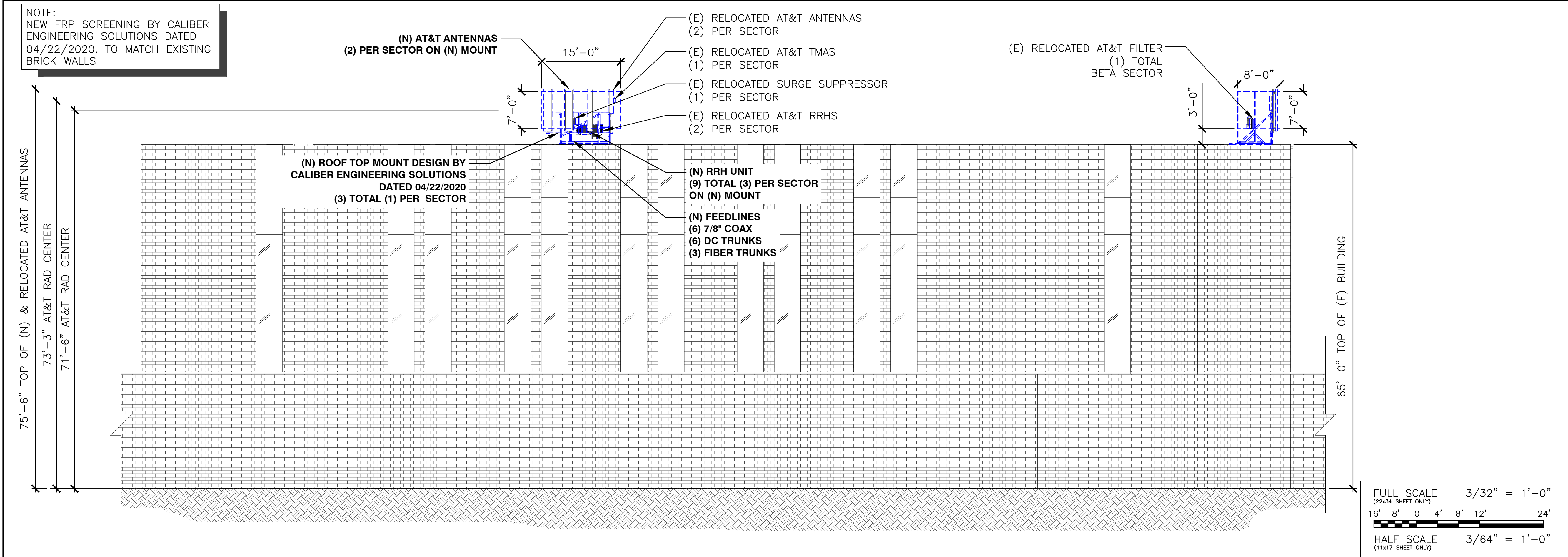
SHEET NUMBER
A-3



FULL SCALE
(22x34 SHEET ONLY)
3/8" = 1'-0"
4' 2' 0 1' 2' 3' 6'
HALF SCALE
(11x17 SHEET ONLY)
3/16" = 1'-0"



1



2


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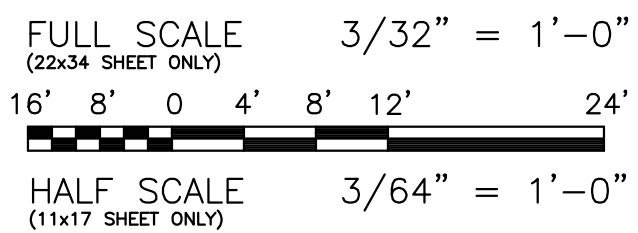
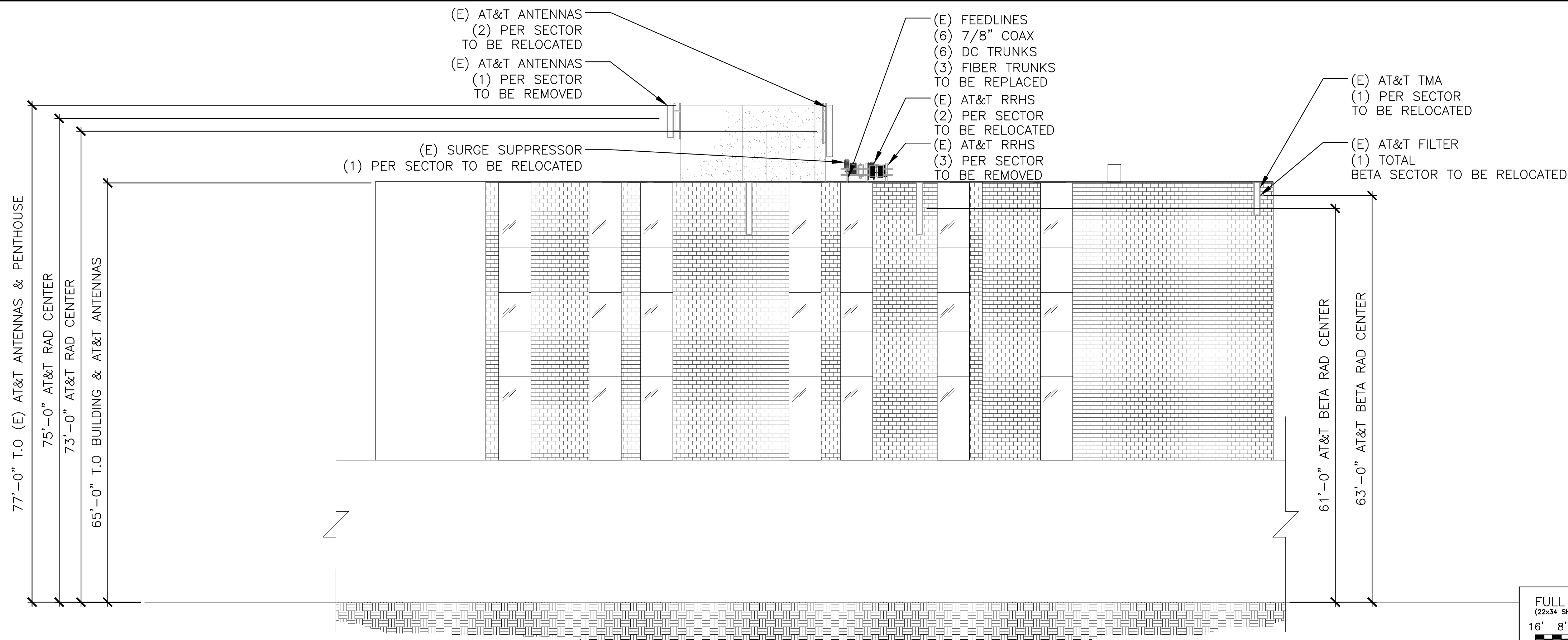
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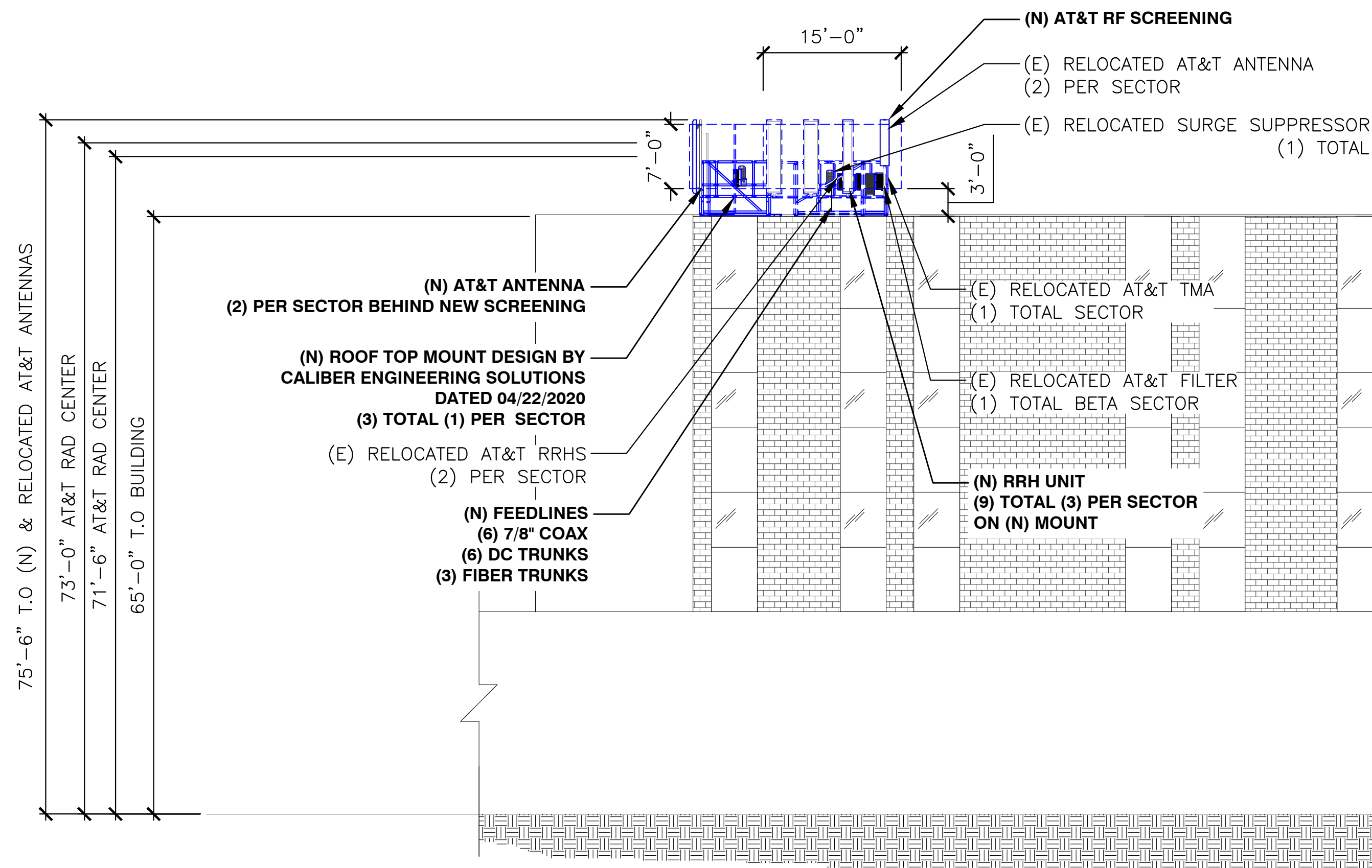
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**EXISTING & NEW
BUILDING ELEVATION**

SHEET NUMBER
A-4

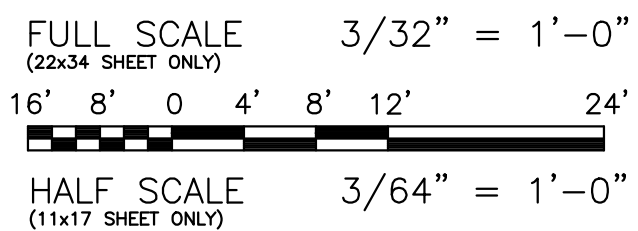


EXISTING EAST BUILDING ELEVATION

1



NOTE:
NEW FRP SCREENING BY CALIBER
ENGINEERING SOLUTIONS DATED
04/22/2020. TO MATCH EXISTING
BRICK WALLS



NEW EAST BUILDING ELEVATION

2



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SHEET TITLE
EXISTING & NEW
BUILDING ELEVATION

SHEET NUMBER
A-4.1

EXISTING ANTENNA SCHEDULE					
SECTOR	POSITION	TECH	ANTENNA	RRH	FEED LINE TYPE
ALPHA	1	UMTS	55" PANEL	—	(2) (E) COAX CABLES
ALPHA	2	----	—	—	—
ALPHA	3	LTE	96" PANEL	(3) LTE	EXISTING FIBER TRUNK
ALPHA	4	LTE	96.7" PANEL	(2) LTE	EXISTING FIBER TRUNK
BETA	1	UMTS	55" PANEL	—	(2) (E) COAX CABLES
BETA	2	----	—	—	—
BETA	3	LTE	96.7" PANEL	(2) LTE	EXISTING FIBER TRUNK
BETA	4	LTE	96" PANEL	(3) LTE	EXISTING FIBER TRUNK
GAMMA	1	UMTS	55" PANEL	—	(2) (E) COAX CABLES
GAMMA	2	----	—	—	—
GAMMA	3	LTE	96" PANEL	(3) LTE	EXISTING FIBER TRUNK
GAMMA	4	LTE	96.7" PANEL	(2) LTE	EXISTING FIBER TRUNK

NEW ANTENNA SCHEDULE						CABLE LENGTH
SECTOR	POSITION	TECH	ANTENNA	RRH	FEED LINE TYPE	
ALPHA	1	UMTS	55" PANEL	—	(2) NEW COAX CABLES	±280.8'
ALPHA	2	LTE	96" PANEL	(2) LTE	NEW FIBER TRUNK	
ALPHA	3	LTE	96" PANEL	(1) LTE	NEW FIBER TRUNK	
ALPHA	4	LTE	96" PANEL	(2) LTE	NEW FIBER TRUNK	
BETA	1	UMTS	55" PANEL	—	(2) NEW COAX CABLES	±422.4'
BETA	2	LTE	96" PANEL	(2) LTE	NEW FIBER TRUNK	
BETA	3	LTE	96" PANEL	(1) LTE	NEW FIBER TRUNK	
BETA	4	LTE	96" PANEL	(2) LTE	NEW FIBER TRUNK	
GAMMA	1	UMTS	55" PANEL	—	(2) NEW COAX CABLES	±315.6'
GAMMA	2	LTE	96" PANEL	(2) LTE	NEW FIBER TRUNK	
GAMMA	3	LTE	96" PANEL	(1) LTE	NEW FIBER TRUNK	
GAMMA	4	LTE	96" PANEL	(2) LTE	NEW FIBER TRUNK	

NOTES:
1. DO NOT USE COAX LENGTHS FOR CUT LENGTHS: ESTIMATES ONLY
2. CONFIRM THAT GENERAL CONTRACTOR IS USING LATEST VERSION OF RFDS.
* OR SIMILAR



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SHEET TITLE
EXISTING & NEW
ANTENNA CONFIGURATION

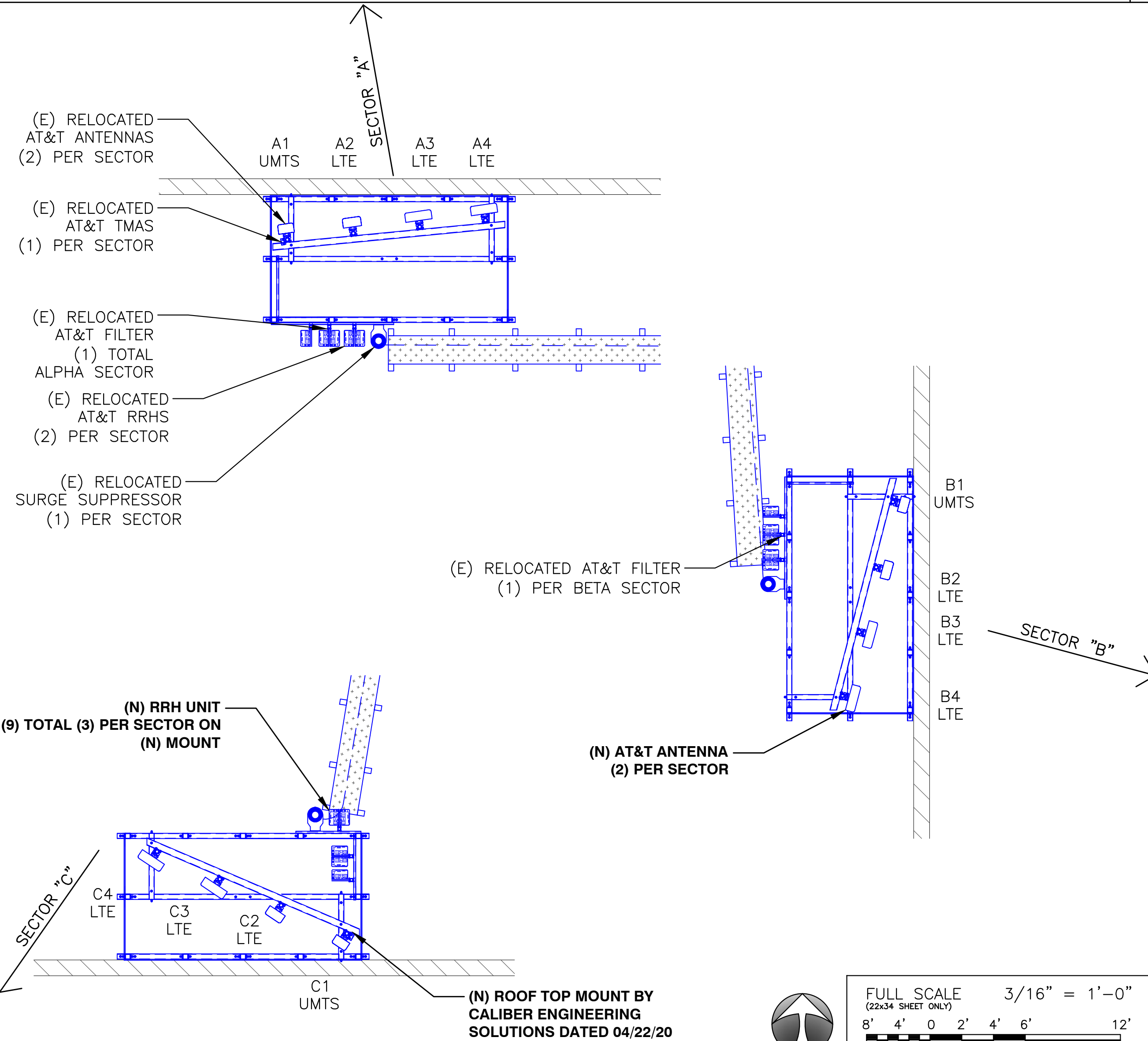
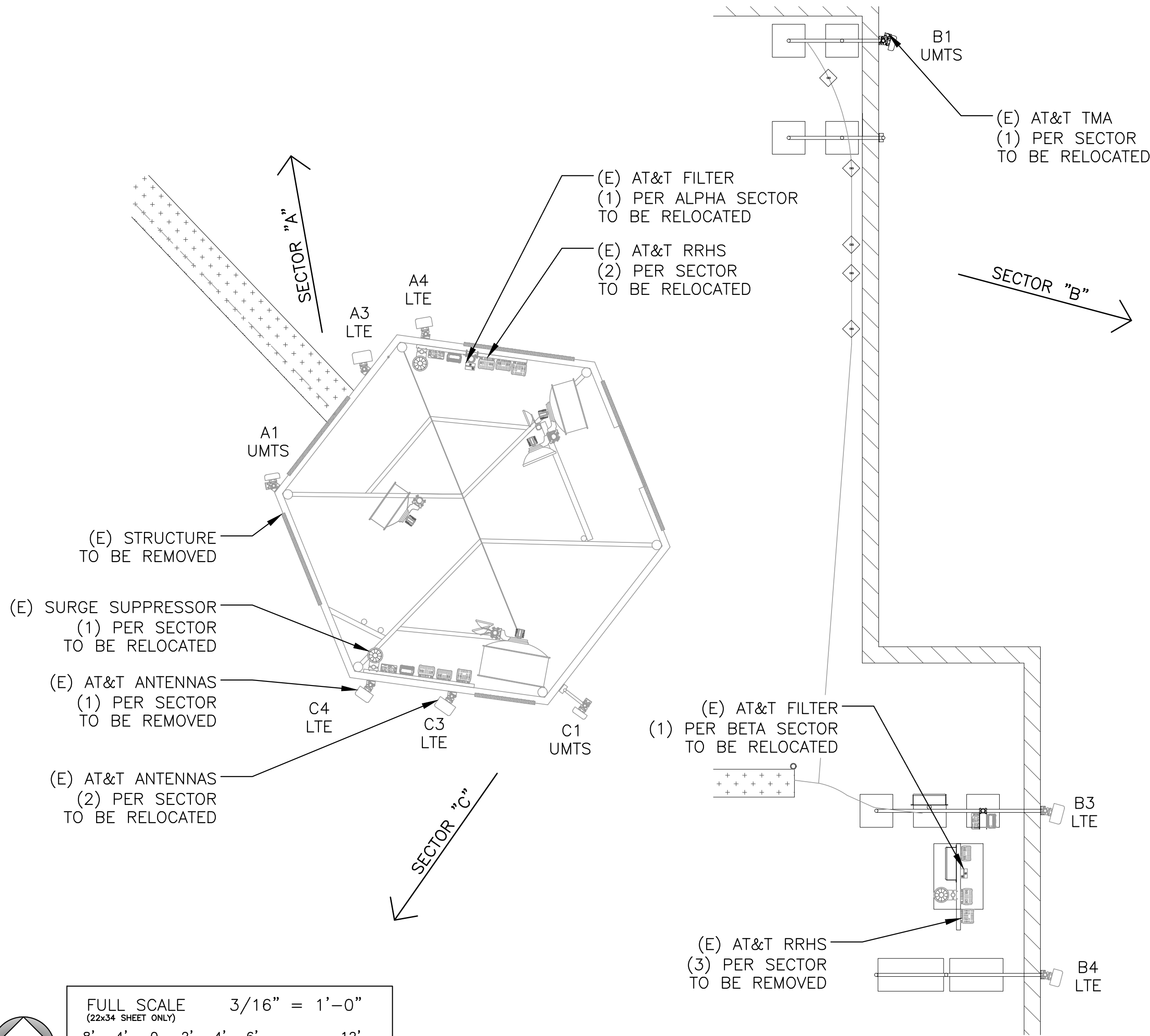
SHEET NUMBER
RF-1

EXISTING ANTENNAS AND COAX CONFIGURATION AND SCHEDULE

1

NEW ANTENNA AND COAX CONFIGURATION AND SCHEDULE

2



FULL SCALE 3/16" = 1'-0"
(22x34 SHEET ONLY)
8' 4' 0 2' 4' 6' 12'
HALF SCALE 3/32" = 1'-0"
(11x17 SHEET ONLY)

EXISTING ANTENNA CONFIGURATION

3

NEW ANTENNA CONFIGURATION

4



FULL SCALE 3/16" = 1'-0"
(22x34 SHEET ONLY)
8' 4' 0 2' 4' 6' 12'
HALF SCALE 3/32" = 1'-0"
(11x17 SHEET ONLY)

Weight:

6"x12'	15 lbs
9"x12'	17 lbs
12" x12'	19 lbs
18" x12'	22 lbs
24" x12'	23 lbs

Load:

6'	Span 324 lbs per linear ft
8'	Span 125 lbs per linear ft
10'	Span 117 lbs per linear ft
12'	Span 77 lbs per linear ft

Features: Aluminum cable tray with press fit rungs. Covers and bends also available.
Construction: Constructed from extruded T-6061 aluminum.

DC INPUT

VOLTAGE RANGE

MAXIMUM CURRENT

DC OUTPUT

VOLTAGE

MAXIMUM POWER

MAXIMUM CURRENT

PEAK EFFICIENCY

MECHANICS

DIMENSIONS (H X W X D)

WEIGHT

-42 VDC TO -58 VDC

24.35 A

-58 VDC

1000 W

17.2 A @ -58 VDC

98.6%

107.2 X 18.5 X 109.7 MM

4.22 X 0.73 X 4.32 INCHES

0.45 KG / 1.0 LBS

MANUFACTURER: COMMSCOPE

PART #: NNH4-65C-R6

LENGTH: 96.0"

WIDTH: 19.6"

DEPTH: 7.8"

WEIGHT: 99.2 lbs.

RF CONNECTORS, TYP

AT&T MOBILITY

188 INVERNESS DR WEST, SUITE 400

ENGLEWOOD, CO 80112

8502 E VIA DE VENTURA, SUITE 220

SCOTTSDALE, AZ 85258

2227 W. PECOS ROAD, SUITE 4,

CHANDLER AZ 85224

ADDRESS

1501 SOUTH POTOMAC

AURORA, CO 80045

SITE NUMBER

COL01176

SITE NAME

HUMANA

SEAL

NEQ.15930 1R482000E3
RECTIFIER, NETSURE™ 512 & 721, HIGH
EFFICIENCY,
-48 VDC, 40 A/2000 W, 120/208/240 VAC,
SINGLE-PHASE INPUT, 4.4 LBS.

MANUFACTURER: NOKIA

MODEL: AIRSCALE RRH 4T4R B5 160W

HEIGHT: 13.26" (337mm)

WIDTH: 11.61" (295mm)

DEPTH: 6.49" (165mm)

WEIGHT: 36.82 LBS (16.7KG)

MANUFACTURER: NOKIA

MODEL: AIRSCALE RRH 4T4R B25/B66 320W

HEIGHT: 26.57" (675mm)

WIDTH: 12.87" (327mm)

DEPTH: 6.49" (165mm)

WEIGHT: <88.18 LBS (40.0KG)

MANUFACTURER: NOKIA

MODEL: AIRSCALE RRH 4T4R B12/B14 320W

HEIGHT: 26.57" (675mm)

WIDTH: 12.87" (327mm)

DEPTH: 6.49" (165mm)

WEIGHT: <101.41 LBS (46.0KG)

DRAWN BY: AK

CHECKED BY: CW

APPROVED BY: CW

FA #: 10093833

REV	DATE	DESCRIPTION
A	10/25/19	PRELIMINARY ZONING DRAWINGS
B	01/28/20	SCREENING APPROVAL
C	02/03/20	CLIENT COMMENTS
D	04/27/20	SCREENING REVISION
E	05/21/20	CLIENT REVISIONS
F	07/02/20	CLIENT CORRECTIONS
G	07/09/20	SCREENING REVISION

SHEET TITLE

RF & EQUIPMENT DETAILS

SHEET NUMBER

RF-2

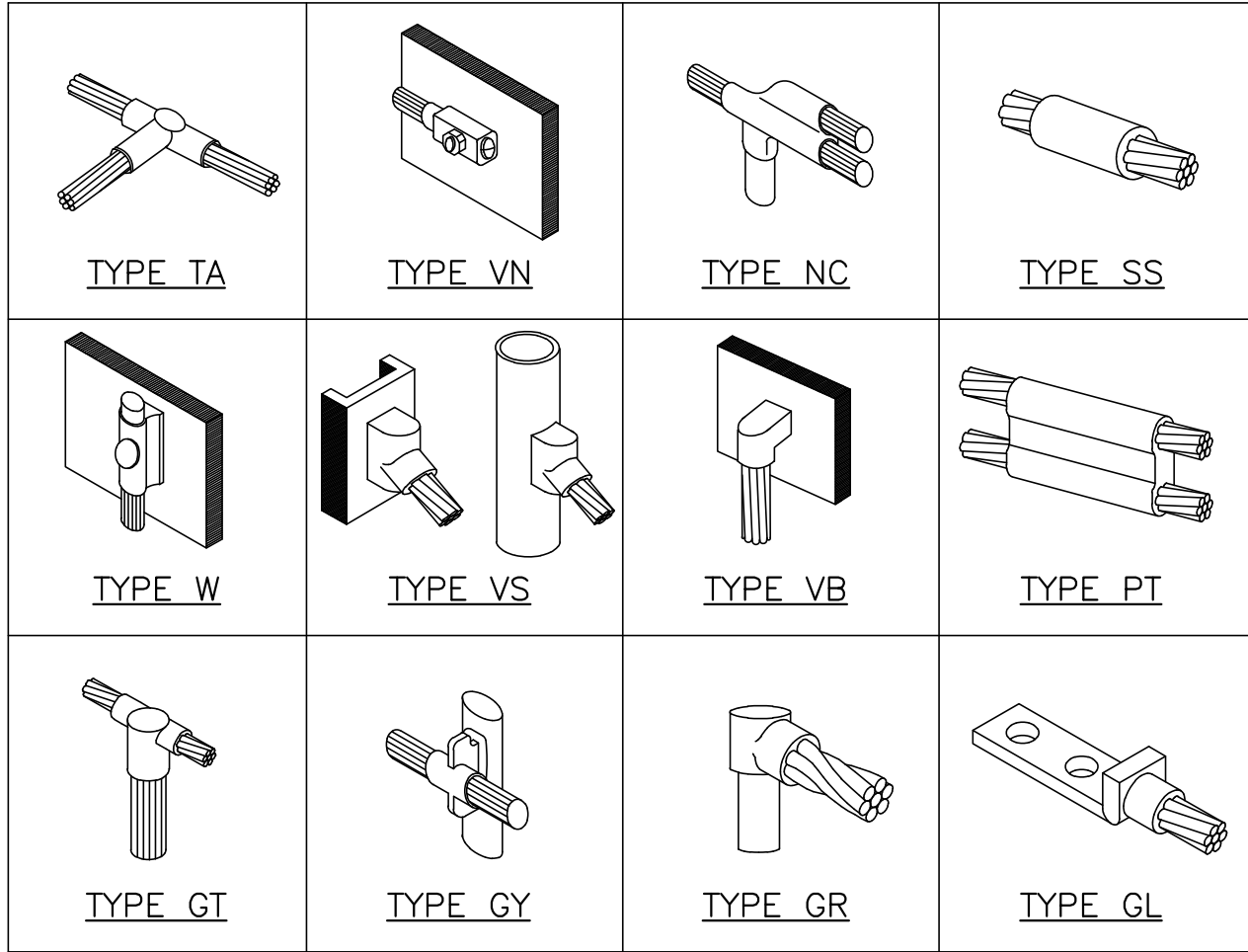
RECTIFIER DETAIL

4 NEW AIRSCALE RRH 4T4R B5 160W AHCA

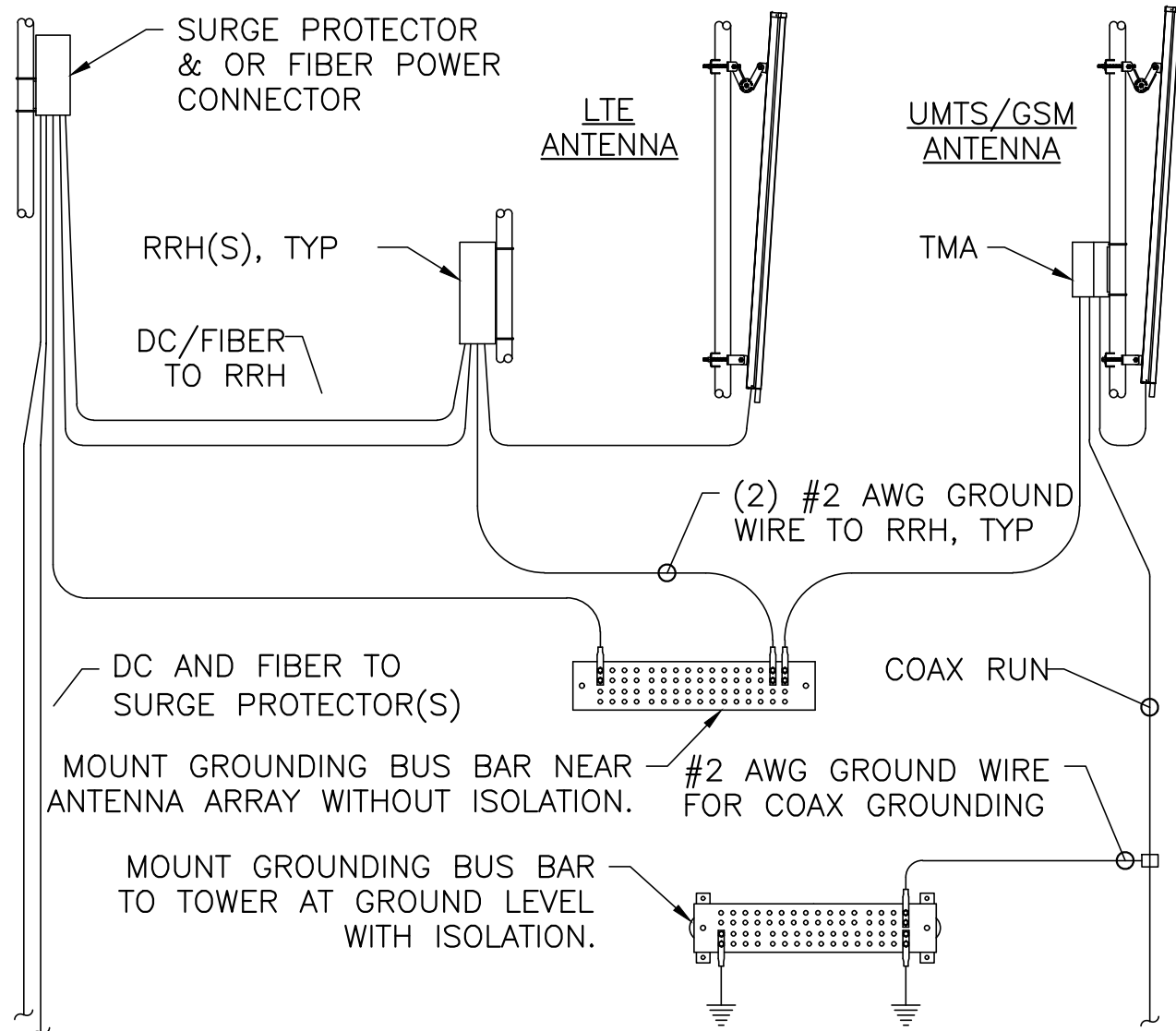
5 NEW AIRSCALE DUAL RRH 4T4R B25/66 320W AHFIB

6 NEW AIRSCALE DUAL RRH 4T4R B12/14 320W AHLBA

7



NOTE: CADWELD "TYPES" SHOWN ABOVE ARE EXAMPLES – CONSULT WITH PROJECT MANAGER FOR SPECIFIC TYPES OF CADWELDS TO BE USED.



- GENERAL GROUNDING NOTES:
1. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS.
 2. GROUND ALL ANTENNA BASES, FRAMES, CABLE RUNS, AND OTHER METALLIC COMPONENTS USING GROUND WIRES AND CONNECT TO SURFACE MOUNTED BUS BARS. FOLLOW ANTENNA AND BTS MANUFACTURERS PRACTICES FOR GROUNDING REQUIREMENTS. GROUND COAX SHIELD AT BOTH ENDS AND EXIT FROM TOWER OR POLE USING MFR'S PRACTICES.
 3. ALL WIRES SHALL BE COPPER THHN/THWN. ALL GROUND WIRE SHALL BE GREEN INSULATED WIRE ABOVE GROUND.
 4. CONTRACTOR TO VERIFY AND TEST GROUND TO SOURCE. GROUNDING AND OTHER OPERATIONAL TESTING WILL BE WITNESSED BY AT&T REPRESENTATIVE.
 5. THE SUBCONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM AND LIGHTNING PROTECTION SYSTEM (AS DESIGNED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AHJ), THE SITE-SPECIFIC (UL, LPI, OR NFPA) LIGHTING PROTECTION CODE, AND GENERAL COMPLIANCE WITH TELCORDIA AND TIA GROUNDING STANDARDS. THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.

CAD WELD EXAMPLES

1 ANTENNA GROUNDING DIAGRAM

2 GROUNDING NOTES


3 NOT USED



AT&T MOBILITY
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SITE NUMBER
COL01176

SITE NAME
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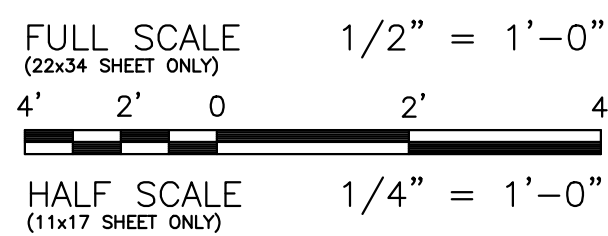
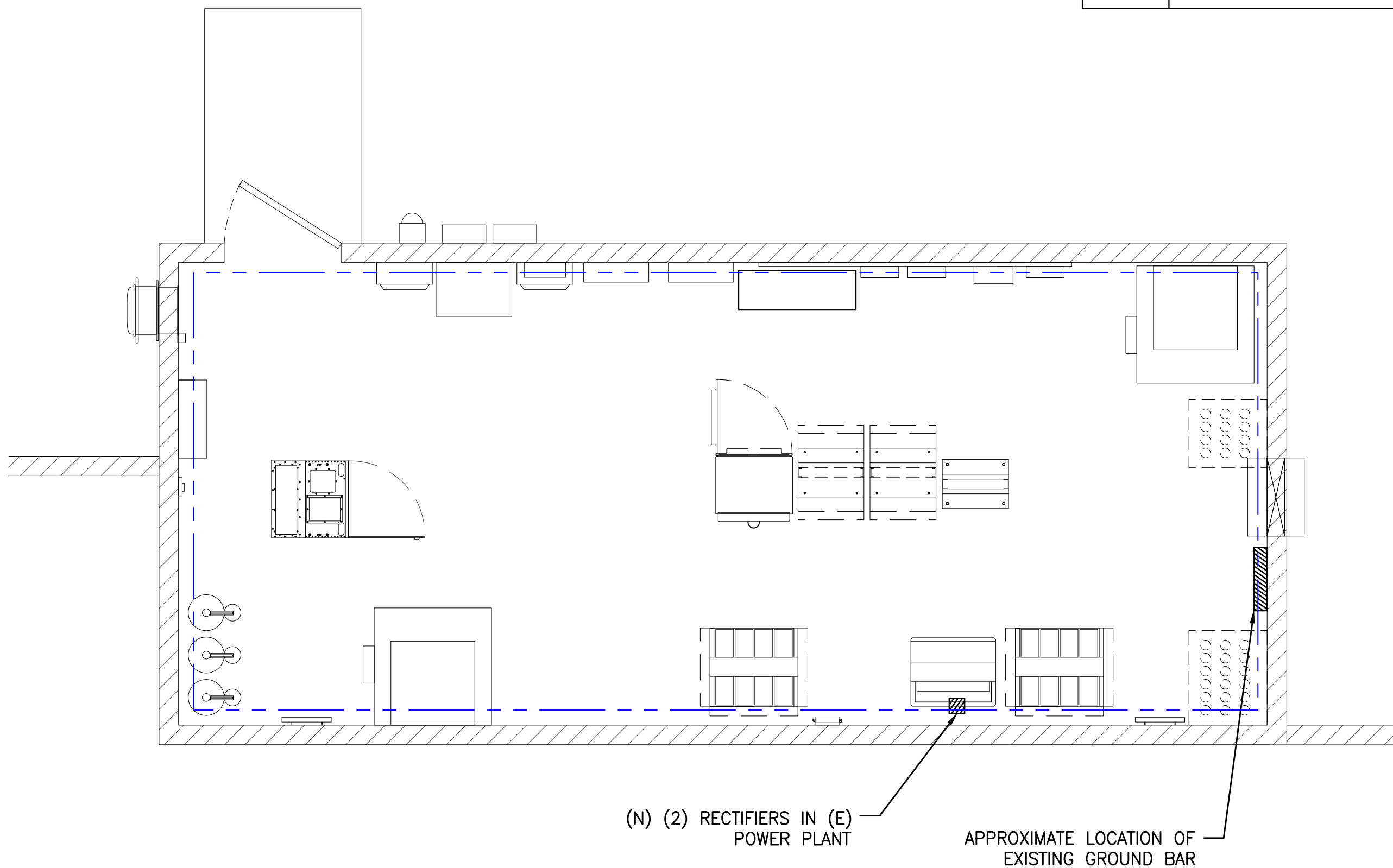
SEAL

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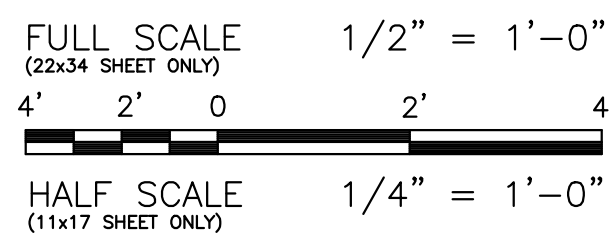
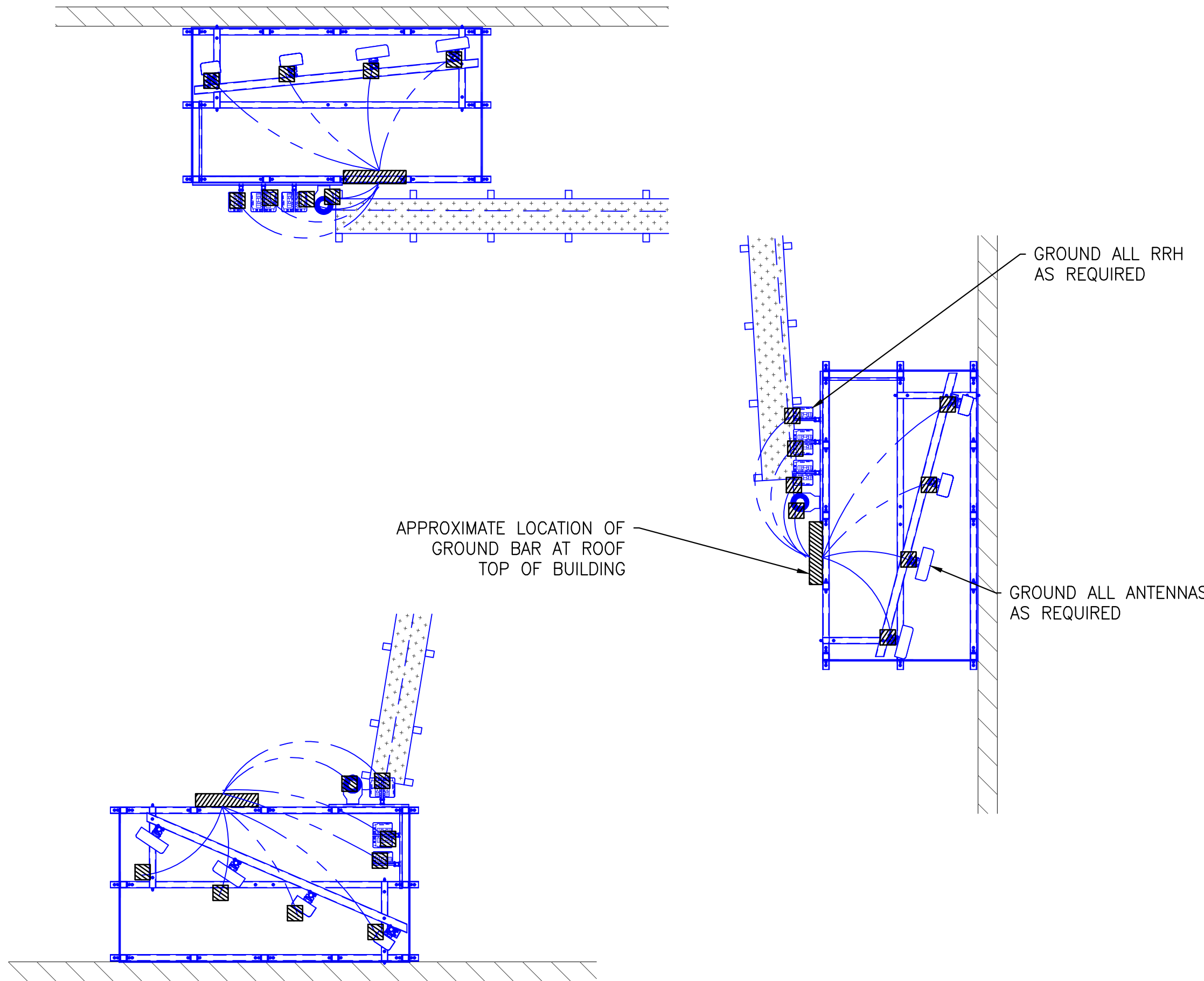
SHEET TITLE
SCHEMATIC GROUNDING
PLAN & DETAILS

SHEET NUMBER
G-1



GROUNDING PLAN

5 ANTENNA PLAN



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