

RADIATION FROM THIS FACILITY WILL NOT INTERFERE WITH
OPERATION OF OTHER COMMUNICATION DEVICES.

THIS FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. LANDINGS AND EXITS SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES.

THIS PROJECT CONSISTS OF THE INSTALLATION OF 65' MONOPALM AND ASSOCIATED EQUIPMENT WITHIN A 18'x40' COMPOUND.

**Know what's below.
Call before you dig.**



240 LEIGH FARM ROAD, SUITE 415
DURHAM, NC 27707

AZ-0037/S. HORNE
PH30391A

SITE ADDRESS

948 S. HORNE

MESA, AZ 85204

MARICOPA COUNTY

LATITUDE: 33° 23' 53.1" (33.39806) N

LONGITUDE: 111° 48' 52.5" (-111.8146) W

GROUND ELEVATION: 1225.5' AMSL (NAVD 88)

TAX/PIN#: 139-27-026A

ZONING: RS-6

[illegible]

1. FROM T-MOBILE OFFICE LOCATED AT 2625 SOUTH PLAZA DRIVE.
2. TURN RIGHT ON S PRIEST DR AND CONTINUE FOR ± 1.0 MI
3. TURN LEFT AND MERGE ONTO US-60 E TOWARD MESA
4. FOLLOW US-60 E FOR ± 7.3 MI
4. TAKE EXIT 180 FOR MESA DR
5. TURN LEFT ONTO S MESA DR AND CONTINUE FOR ± 0.6 MI
6. TURN RIGHT ONTO S HORNES AVE AND CONTINUE FOR ± 0.5 MI
7. TURN LEFT ONTO S HORNE AND CONTINUE FOR ± 0.3 MI
8. DESTINATION WILL BE ON THE LEFT.

<u>MUNICIPALITY</u>	CITY OF MESA
<u>QUARTER SECTION #</u>	N/A
<u>TOWER TYPE</u>	MONOPALM
<u>TOWER HEIGHT</u>	65' (70' TO HIGHEST APPURTENANCE)
<u>NUMBER OF CARRIERS</u>	0 EXISTING, 1 PROPOSED
<u>EMERGENCY CONTACT</u>	POLICE: (480) 644-2211
<u>CONSULTANT</u>	TECTONIC ENGINEERING &

ENGINEERING CONTACT PERSON: PAMELA BULLIVANT, P.E.
ENGINEERING CONTACT PHONE: (804) 217-8504

<u>DEVELOPER</u>	ECO-SITE 240 LEIGH FARM ROAD, SUITE 415 DURHAM, NC 27707
CONTACT PERSON:	TBD
CONTACT PHONE:	(919) 636-6810
<u>POWER COMPANY</u>	SRP
ATTENTION:	CUSTOMER SERVICE
CONTACT PHONE:	(602) 236-8888
<u>TELEPHONE COMPANY</u>	COX COMMUNICATIONS
ATTENTION:	CUSTOMER SERVICE
CONTACT PHONE:	(866) 867-7644

PROPERTY OWNER	SCHOOL DIST 4 33 S HIBBERT MESA, AZ 85204
CONTACT PERSON:	JOE GEORGES
CONTACT PHONE:	(480) 250-6527

[illegible]

THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL ITEMS OF CONCERN HAVE BEEN ADDRESSED AND EACH OF THE DRAWINGS HAS BEEN REVISED AND ISSUED "FOR CONSTRUCTION"

CITY OF MESA
55 N. CENTER ST.
MESA, AZ 85201
PHONE: (480) 644-2385
ATTN: GORDON SHEFFIELD

Eco-Site[®]

240 LEIGH FARM ROAD, SUITE 415
DURHAM, NC 27707



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WORK ORDER NUMBER DRAWN BY

8623.S HORNE

RAWN BY

DAI

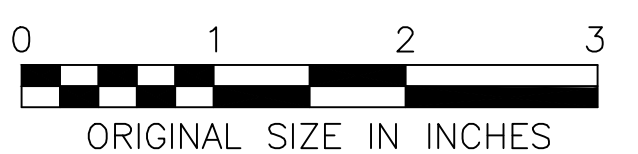
NO.	DATE	ISSUE
0	05/18/17	PRELIMINARY
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2	06/19/17	PER SURVEY
3	07/06/17	JX COMMENTS

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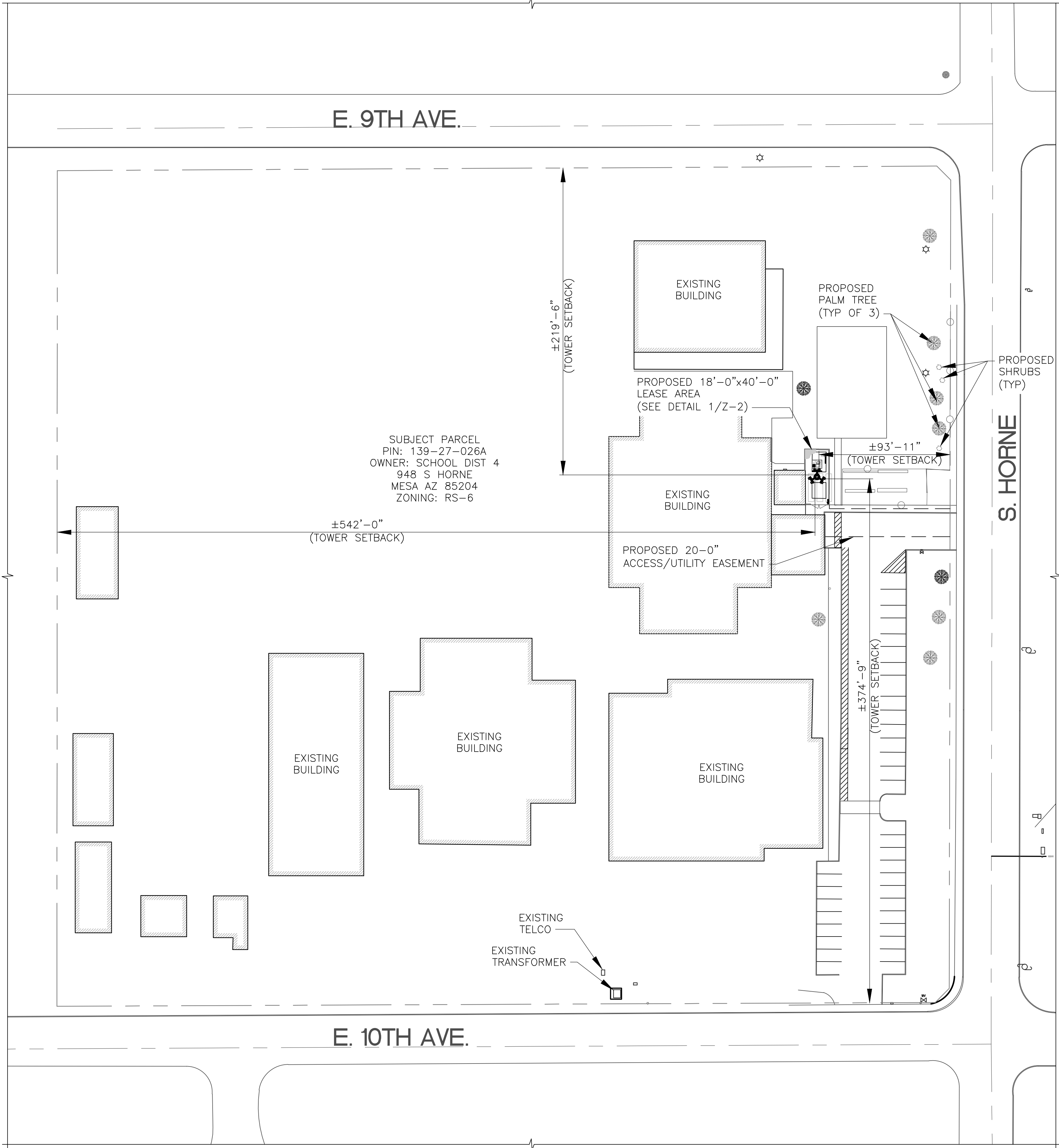


SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1



1
Z-1
OVERALL SITE PLAN
SCALE: 1" = 20'

NOTE

NEW MONOPALM SETBACKS TO PROPERTY LINE:

- NORTH ±219'-6"
- SOUTH ±374'-9"
- EAST ±93'-11"
- WEST ±542'-0"

SETBACKS ARE DERIVED FROM A TOPOGRAPHIC SURVEY PERFORMED BY A REGISTERED LAND SURVEYOR.

LANDSCAPING NOTE

CONTRACTOR TO PLANT (3) LIVE PALM TREES ALONG HORNE AND APPROPRIATE SHRUBBERY TO BE COORDINATED WITH SCHOOL.

PROPOSED ECO-SITE
18'-0"x40'-0" LEASE AREA
(720 SQ.FT.)



AERIAL VIEW OF PROPOSED LEASE AREA

Eco-Site

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SHEET TITLE

OVERALL SITE PLAN

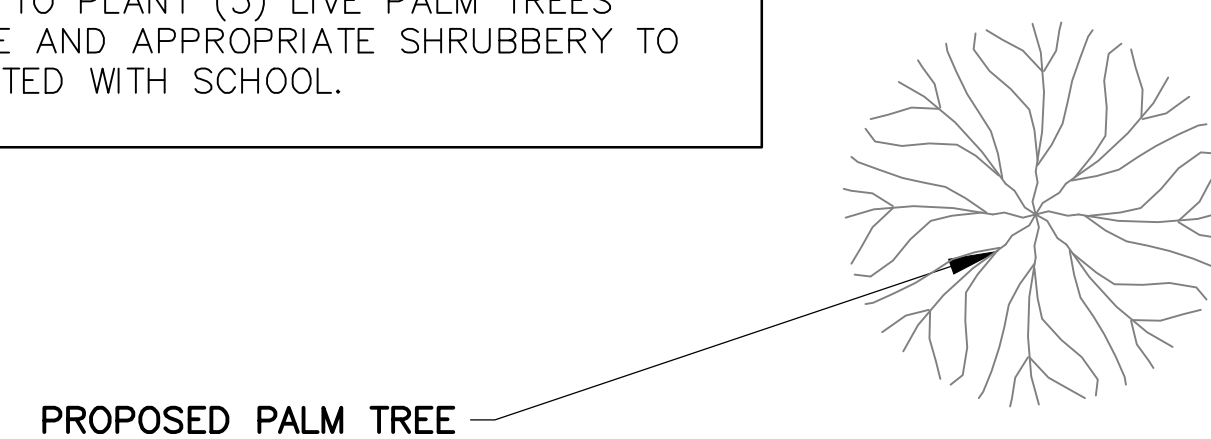
SHEET NUMBER

Z-1



LANDSCAPING NOTE

CONTRACTOR TO PLANT (3) LIVE PALM TREES
ALONG HORNE AND APPROPRIATE SHRUBBERY TO
BE COORDINATED WITH SCHOOL.



PROPOSED SHRUBS

EXISTING CONCRETE
BASKETBALL COURT

EXISTING
BIKE RACKS

PROPOSED PROTECTIVE
CHAIN LINK FENCE

PROPOSED 10'x15'
T-MOBILE LEASE AREA

FLEXISTACK
COVP

PROPOSED CMU
WALL WITH STUCCO TO
MATCH EXISTING BUILDING

EXISTING
BUILDING

REMOVE EXISTING
PLANTERS

EXISTING
BUILDING

18'-0"
(LEASE AREA/COMPOUND)

9'-0"
TOWER

PPC

SSC

FIBER BOX

PROPOSED
CO-LOCATOR
LEASE AREA

20'-0"
TOWER

40'-0"
(LEASE AREA/COMPOUND)

12'-0" PROPOSED
DOBULE GATE

17'-1"
LEASE AREA/COMPOUND

PROPOSED METER/
DISCONNECT

PROPOSED 20'-0"
ACCESS/UTILITY EASEMENT

1
Z-2

ENLARGED SITE PLAN

SCALE: 1"= 5'-0"

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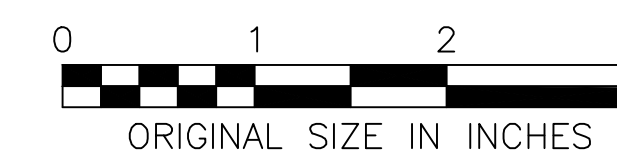
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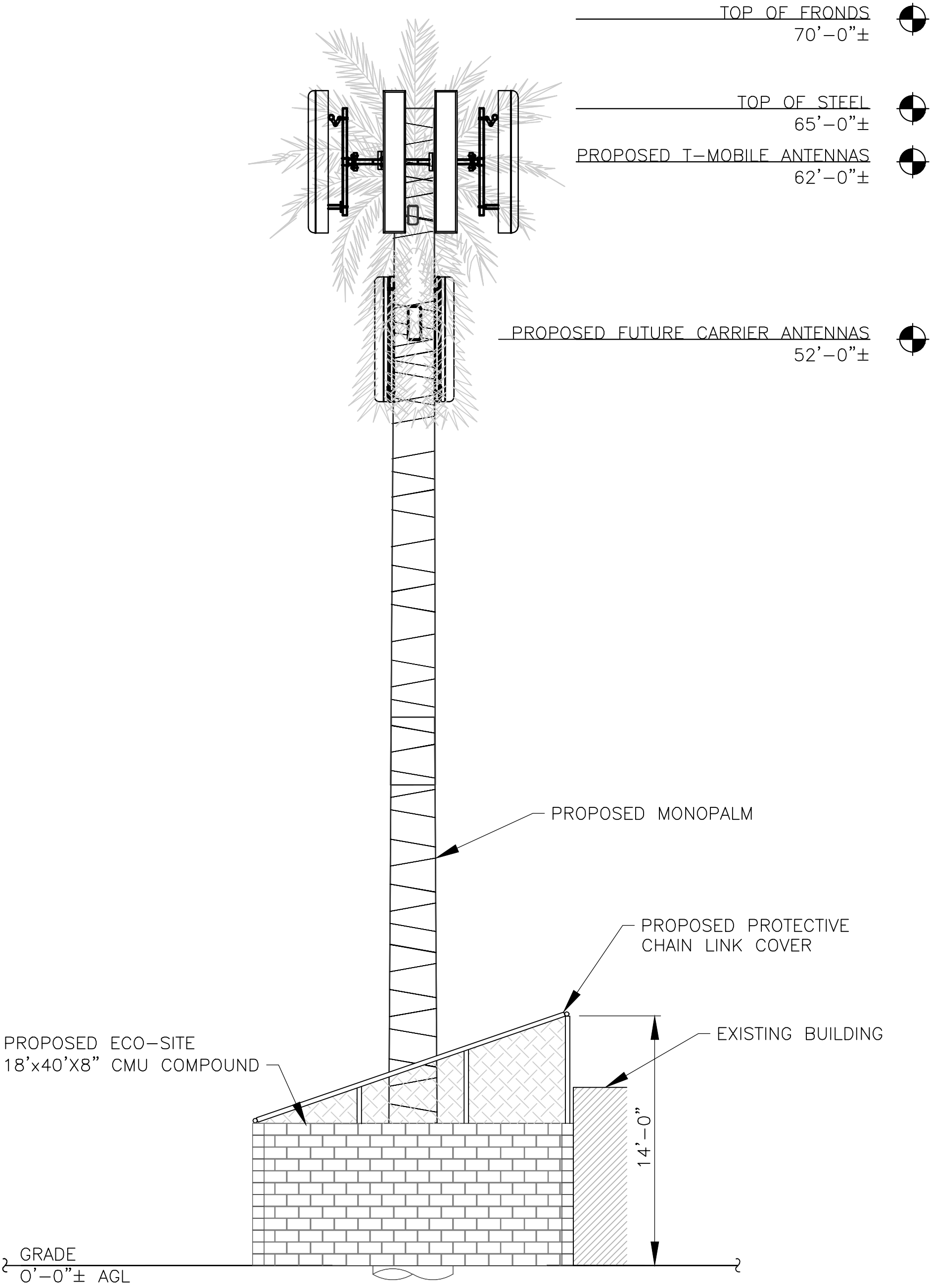
ORIGINAL SIZE IN INCHES

SHEET TITLE

ENLARGED SITE PLAN

SHEET NUMBER

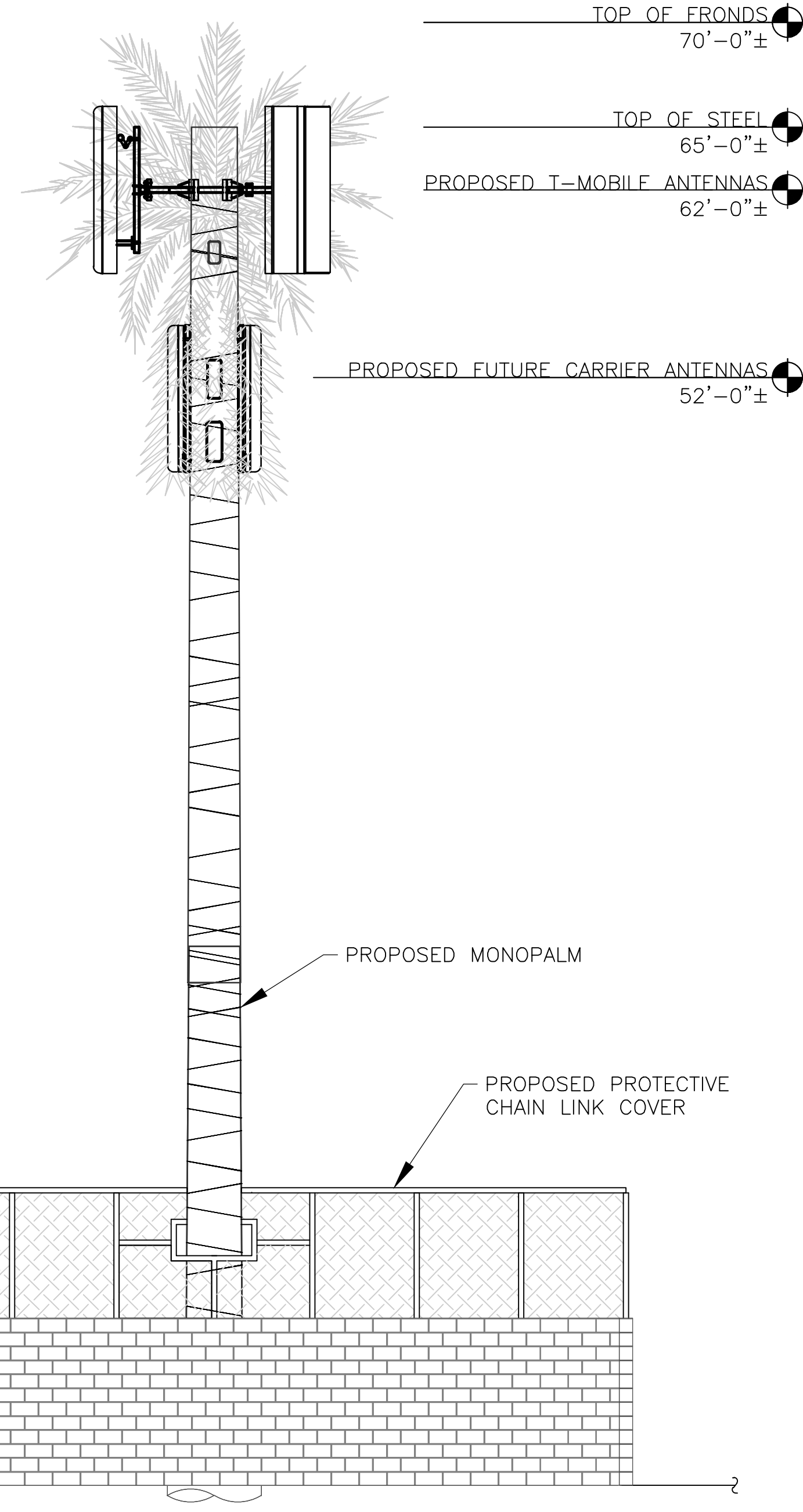
Z-2



1
Z-3
PROPOSED NORTH ELEVATION
SCALE: 3/16" = 1'-0"

NOTE

ALL INFORMATION ON THIS PAGE IS PROVIDED BY ECO-SITE AND/OR OTHERS AND IS SHOWN FOR ILLUSTRATION PURPOSES ONLY. CONTRACTOR SHALL CONTACT ECO SITE CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION FOR ALL DETAILED ANTENNA, MOUNT AND COAX CABLE INFORMATION.



2
Z-3
PROPOSED EAST ELEVATION
SCALE: 3/16" = 1'-0"

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0 1 2 3
ORIGINAL SIZE IN INCHES

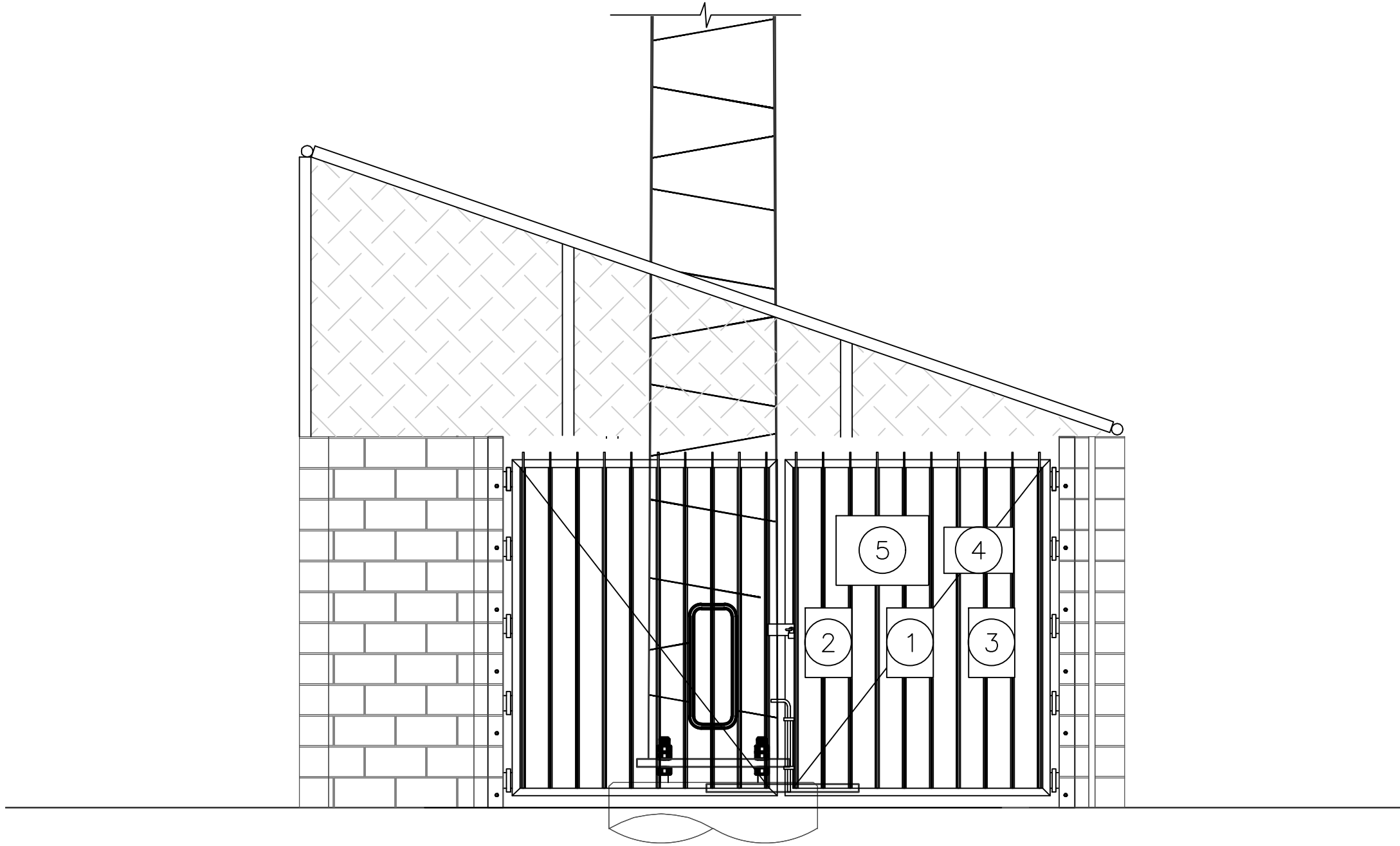
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ELEVATION

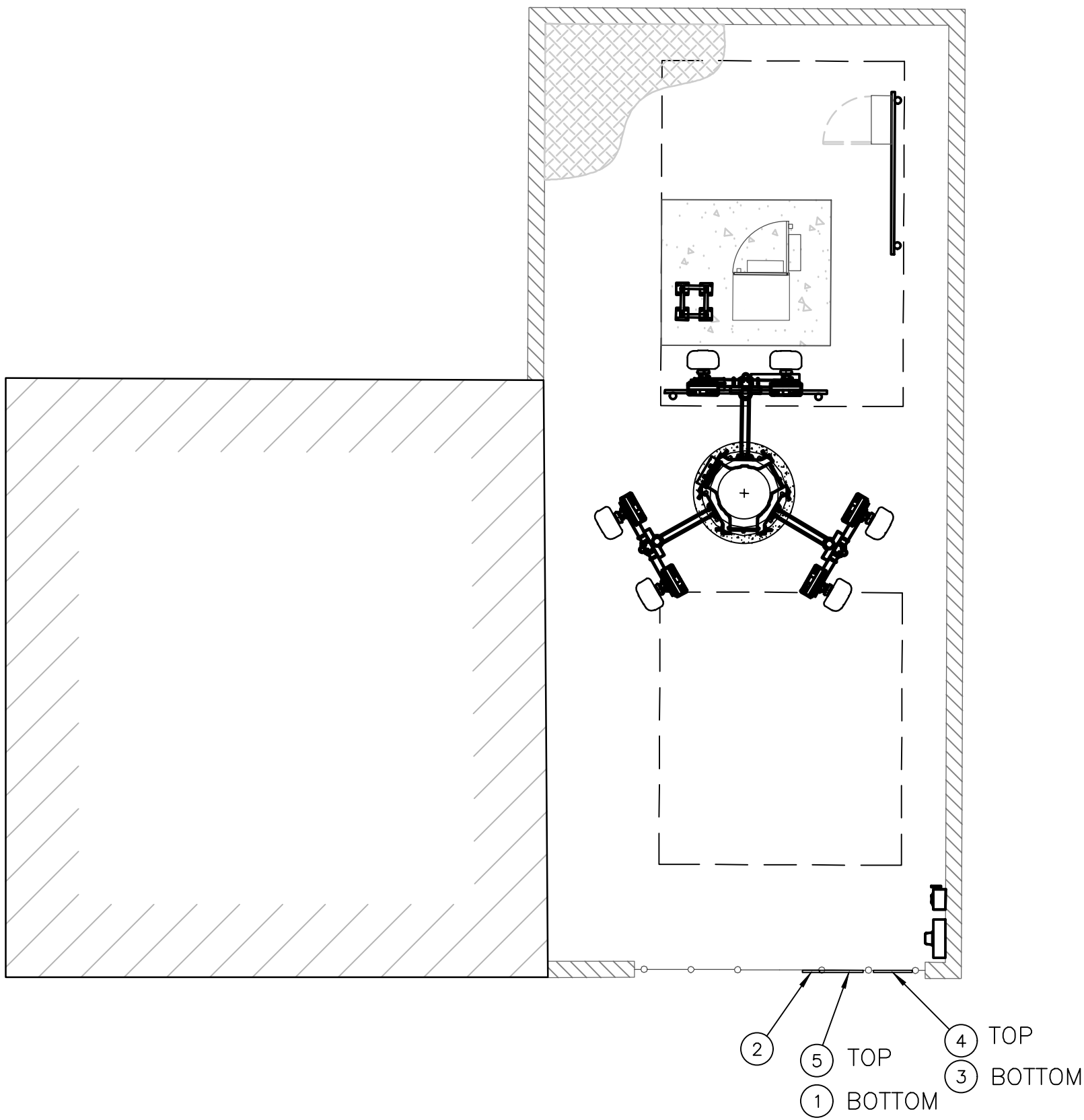
SHEET NUMBER

Z-3

S HORNE AZ-0037/PH30391

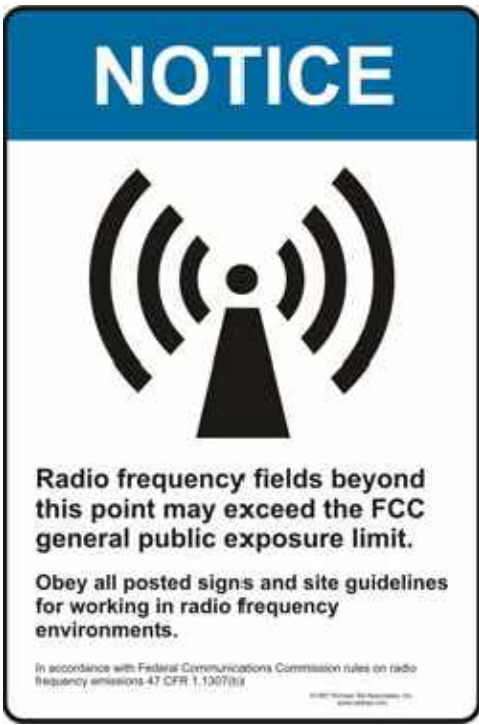


1 SITE SIGNAGE FRONT GATE
SCALE: N.T.S.



NOTE: SEE TYPICAL SIGNS AND SPECIFICATIONS
DETAIL ON THE SHEET FOR SIGN DESIGNATION.

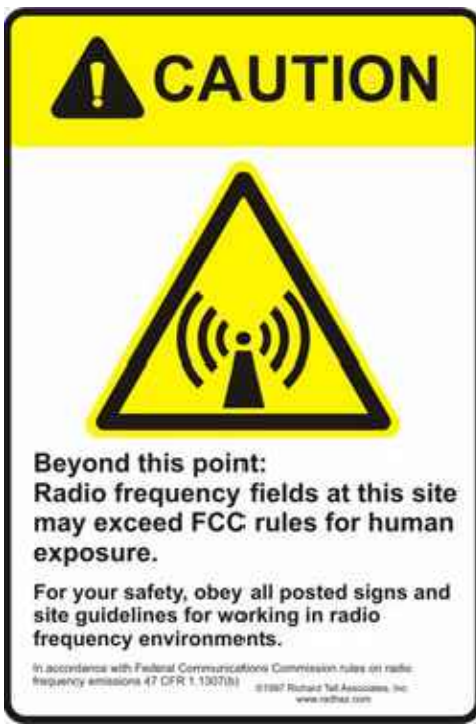
2 OVERALL SIGN PLACEMENT PLAN VIEW
SCALE: N.T.S.



1 NOTICE - RF SIGN (BLUE)



2 WARNING - RF SIGN



3 CAUTION - RF SIGN (YELLOW)



4 NO TRESPASSING SIGN

12"x18" DIGITAL PRINT
MOUNTED TO 0.40 THICK ALUMINUM
(OPERATIONS PROVIDED)

TOWER ID:
SITE NAME:
E911 ADDRESS:
FCC#:

Eco-Site

FOR TOWER LEASING INFORMATION &
EMERGENCY CONTACT
1-866-899-6191

5 ECO-SITE ID SIGN

18" HIGH x 24" WIDE
(OPERATIONS PROVIDED)

SIGNAGE NOTE

- SIGNS SHALL BE FABRICATED FROM CORROSION RESISTANT PRESSED METAL AND PAINTED WITH LONG LASTING UV RESISTANT COATING.
- SIGNS (EXCEPT WHERE NOTED OTHERWISE) SHALL BE MOUNTED TO THE TOWER, GATE AND FENCE USING A MINIMUM OF 9 GAUGE ALUMINUM WIRE, HOG RINGS (AS UTILIZED IN FENCE INSTALLATIONS) OR BRACKETS WHERE NECESSARY. BRACKETS SHALL BE OF SIMILAR METAL AS THE STRUCTURE TO AVOID GALVANIC CORROSION.

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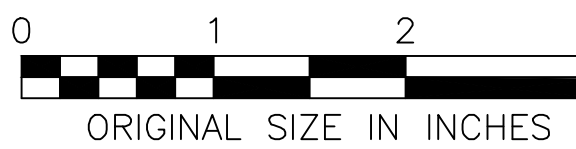
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ORIGINAL SIZE IN INCHES

SHEET TITLE

SITE SIGNAGE
DETAILS

SHEET NUMBER

Z-4

GENERAL NOTES

1. LENGTHS GIVEN ON THIS CHART ARE ESTIMATED FROM AVAILABLE INFORMATION.

2. TYPES AND SIZES OF THE ANTENNA CABLES ARE BASED ON THE ESTIMATED LENGTH OF THE CABLES. CONTRACTOR TO VERIFY ALL ACTUAL LENGTHS IN FIELD PRIOR TO INSTALLATION AND NOTIFY THE FIELD ENGINEER FOR VERIFICATION OF SIZES OF CABLES.

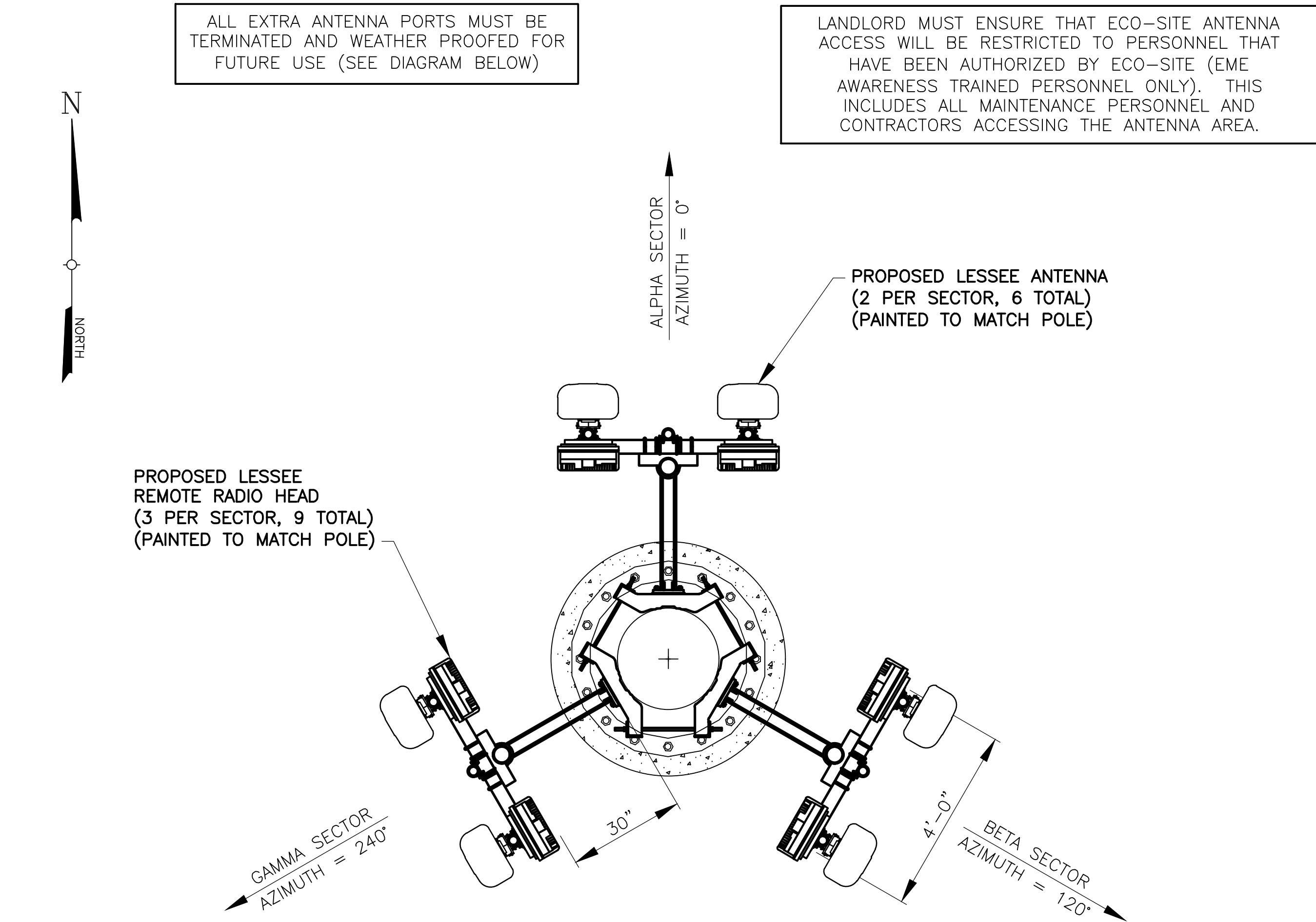
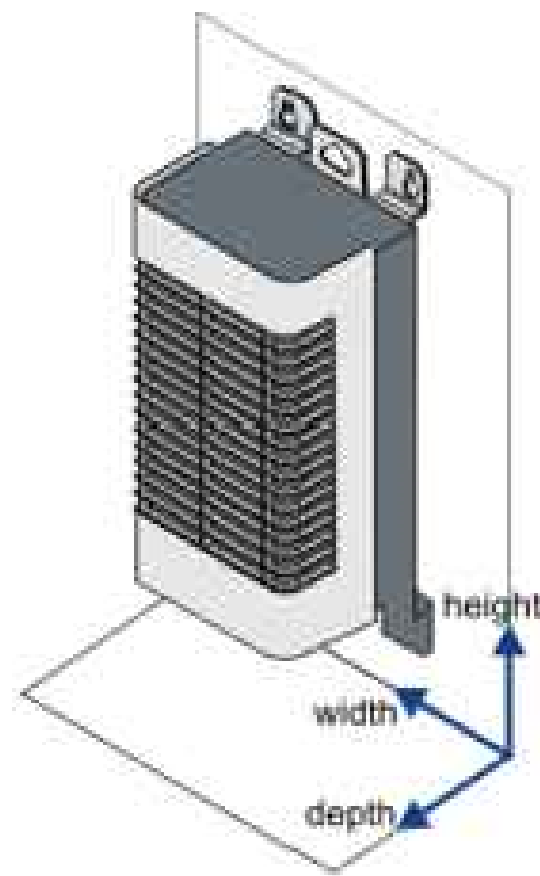
3. CONTRACTOR TO PROVIDE AS BUILTS FOR THE LENGTH OF CABLES UPON COMPLETION OF INSTALLATION.

4. CONTRACTOR TO PROVIDE FINAL CABLE LENGTHS AND RETURN LOSSES FOR ALL CABLES.

5. ALL NEW ANTENNA AZIMUTHS REFERENCE TRUE NORTH. CONSULT REQUIRED QUADRANGLE MAP FOR NECESSARY MECHANICAL DECLINATION.

TYPICAL FUTURE CARRIER ANTENNA SCHEDULE							
ATTACH LEVEL (COR)	AZIMUTHS (DEG, TN)	ANTENNA TYPE	ANTENNA QUANTITY	MECHANICAL DOWN TILT	MOUNT TYPE	COAX (QUANTITY) SIZE (NOMINAL)	ESTIMATED COAX CABLE LENGTH
62'-0"	0	96.0" PANEL ANTENNA	2 (PROP)	0°	INSTALLED ON PROPOSED 4' T-MOUNTS	(1) 1 5/8" HYBRIFLEX	~75'-0"
	120°	96.0" PANEL ANTENNA	2 (PROP)	0°			
	240°	96.0" PANEL ANTENNA	2 (PROP)	0°			

RRU			
TYPE	TYPE 1	TYPE 2	TYPE 3
OUTPUT	4X40	4x40	4x40
BAND	B25/B2	B29/B12	B66
HEIGHT (IN.)	34.3 (W/BACKET)	34.3 (W/BACKET)	23.1
	23.0 (NO BRACKET)	22.9 (NO BRACKET)	21.5
DEPTH (IN.)	7.8	6.3	4.8
WIDTH (IN.)*	12.6	12.6	11.4
WEIGHT (LBS.)	23	24	44.1
MOUNT	WALL OR POLE	WALL OR POLE	WALL OR POLE**
*WITHOUT SOLAR SHIELD			
**RAS AND HORIZONTAL BOOK MOUNT			

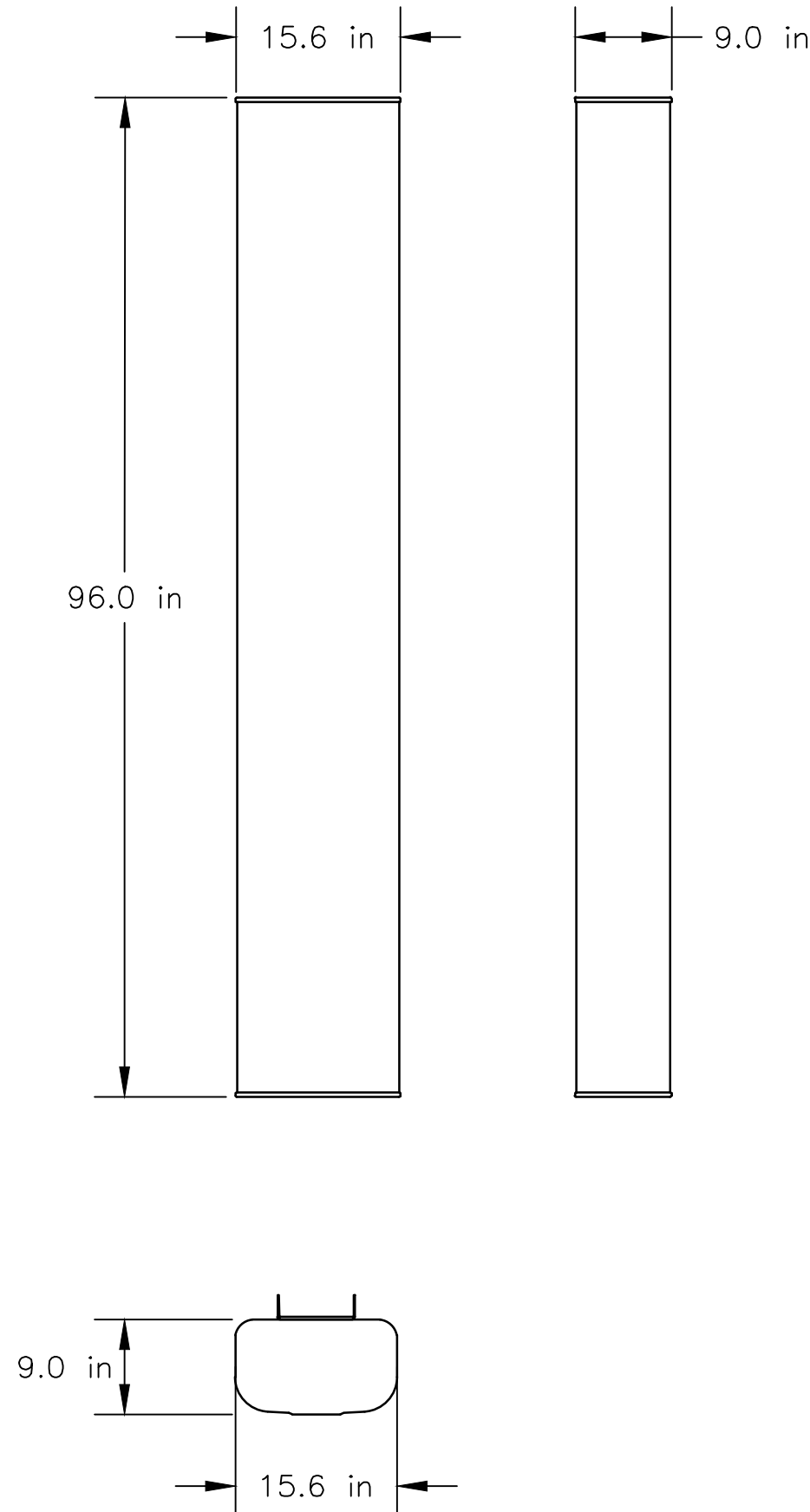


2

RRUS SPECIFICATION SHEET

RF-1

SCALE: N.T.S.



3

PROPOSED ANTENNA

RF-1

SCALE: N.T.S.

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