



AT&T

SITE NAME: EAGLE COUNTY GOVERNMENT OFFICE

PROJECT: MBO/SBO NSB

ADDRESS: 500 BROADWAY STREET
EAGLE, CO 81631

FA LOCATION CODE: 16231705

PACE NUMBER: MRUTH058067

USID: 327462

SITE CONTACT:

JESSE MERYHEW
EAGLE COUNTY
970.390.3617
JESSE.MERYHEW@EAGLECOUNTY.US

PROJECT DESCRIPTION:

INSTALLATION OF (1) NEW AT&T ANTENNA MOUNTED TO AN EXISTING STAIRWELL TOWER, SUPPORTED BY (1) NEW MBO (MULTI-BAND OUTDOOR) & (1) NEW SBO (SINGLE-BAND OUTDOOR) MOUNTED INSIDE THE STAIRWELL TOWER, TO PROVIDE COVERAGE FOR THE SURROUNDING AREA.

SITE PHOTO:



PROJECT TEAM:

CONSTRUCTION MANAGER:
QUIN GELFAND
AT&T WIRELESS
214.208.5407
QG112C@ATT.COM

RF MANAGER:
YASH NANJUNDASWAMY
AT&T WIRELESS
303.374.4645
YN211V@ATT.COM

A&E MANAGER:
ADAM DAILEY
MOUNTAIN WIRELESS
720.255.6089
ADAILEY@MOUNTAINWIRELESS.COM

MOUNTAIN
WIRELESS
an ONTIVITY company

927 SALIDA WAY
AURORA, CO 80011
303.343.6544

NOT FOR ZONING
NOT FOR CONSTRUCTION

AT&T



7670 S CHESTER ST 2
CENTENNIAL, CO 80112

SITE ACCESS:

MUST SCHEDULE SITE VISITS, PRIOR TO ACCESSING SITE. HEAD END IS LOCATED IN STAIRWELL TOWER ON LEVEL 2.

PROJECT DATA:

COUNTY: EAGLE
JURISDICTION: TOWN OF EAGLE
PARCEL NUMBER: 2109-051-12-001
PROPERTY OWNER: EAGLE COUNTY
ZONING DISTRICT: PUBLIC AREA (PA)
ACREAGE: 1.720
LEGAL DESCRIPTION: SUBDIVISION: EAGLE BLOCK: 28 LOTS 1-24, TOGETHER WITH WEST HALF OF VACATED BROADWAY R.O.W. BETWEEN 5TH ST. AND 6TH ST
OCCUPANCY TYPE: A-3, B
CONSTRUCTION TYPE: A-3
NUMBER OF STORIES: 3
FULLY SPRINKLERED: YES
GOVERNING CODES: 2015 IBC, 2017 NEC

SHEET LIST:

T1 TITLE SHEET
Z1.0 OVERALL SITE PLAN
Z2.1 N & E ELEVATIONS
Z2.2 S & W ELEVATIONS
Z3.1 EQUIPMENT DETAILS

SITE MAP:



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ISSUE PHASE:

ZONING - REVISION B

ISSUE DATE:

07.24.2023

TITLE SHEET

T 1

SCALE SET FOR 24"X36" SHEET
USE 1/2 SCALE FOR 11"X17" SHEET

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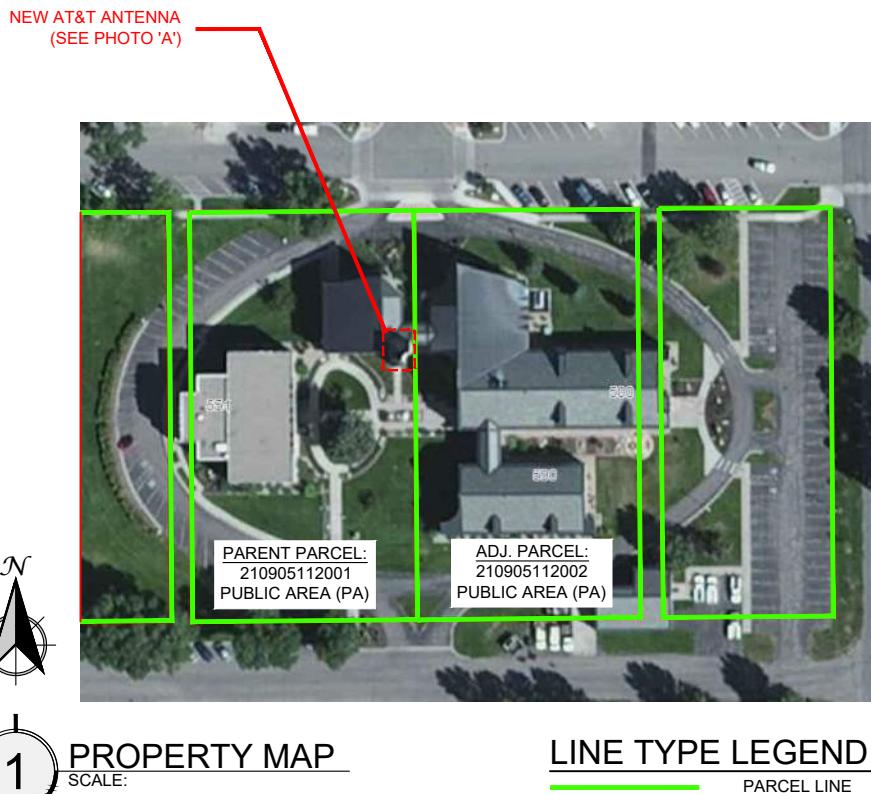
ISSUE PHASE:
ZONING - REVISION B

ISSUE DATE:
07.24.2023

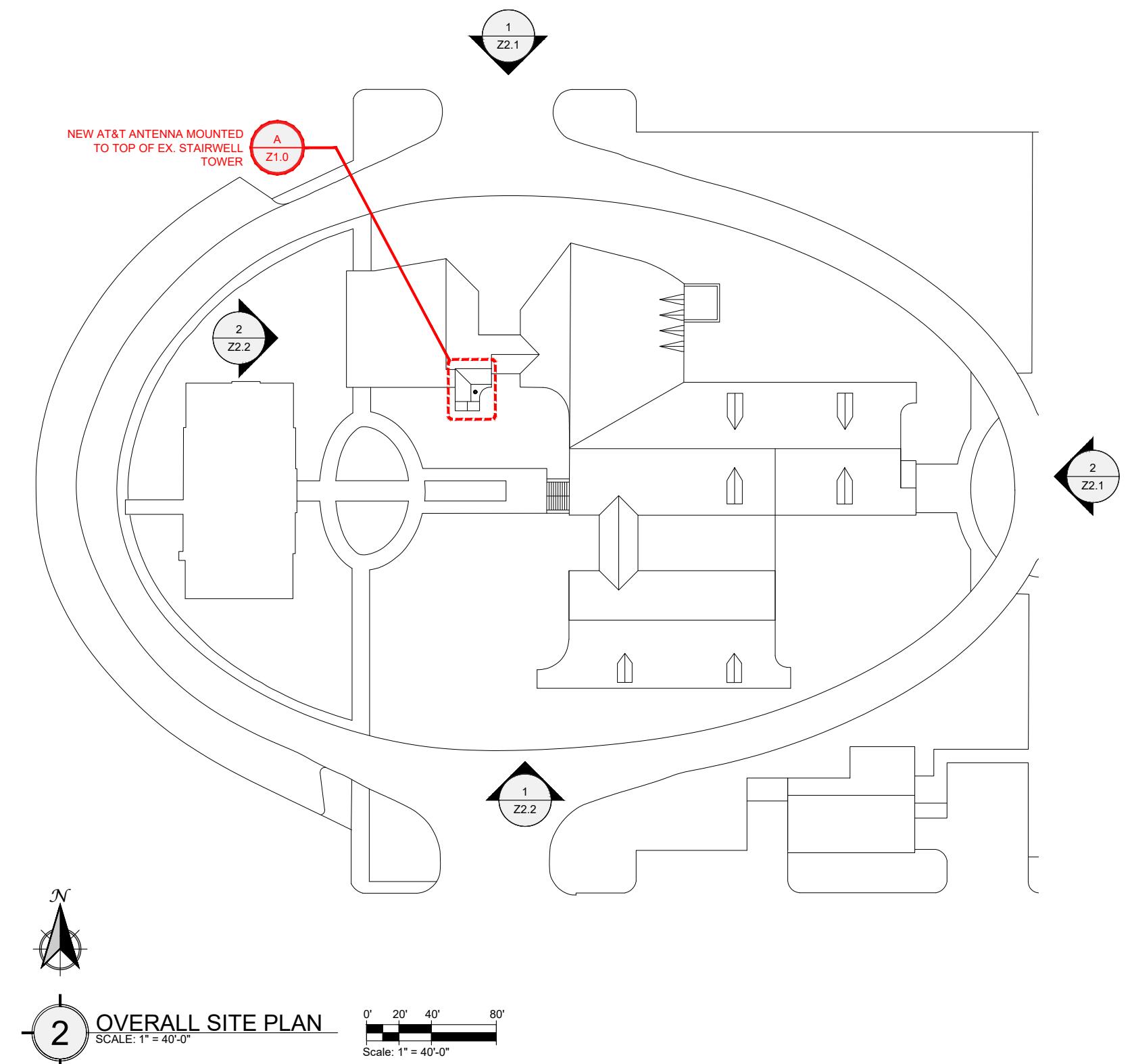
OVERALL SITE PLAN

Z 1.0

SCALE SET FOR 24" x 36" SHEET
USE 1/2 SCALE FOR 11" x 17" SHEET



'A'
NEW ANTENNA PHOTO SIMULATION
(GROUND LEVEL - LOOKING NORTH)



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N & E ELEVATIONS

Z2.1

SCALE SET FOR 24"X36" SHEET
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1 NORTH ELEVATION
SCALE: 3/32" = 1'-0"

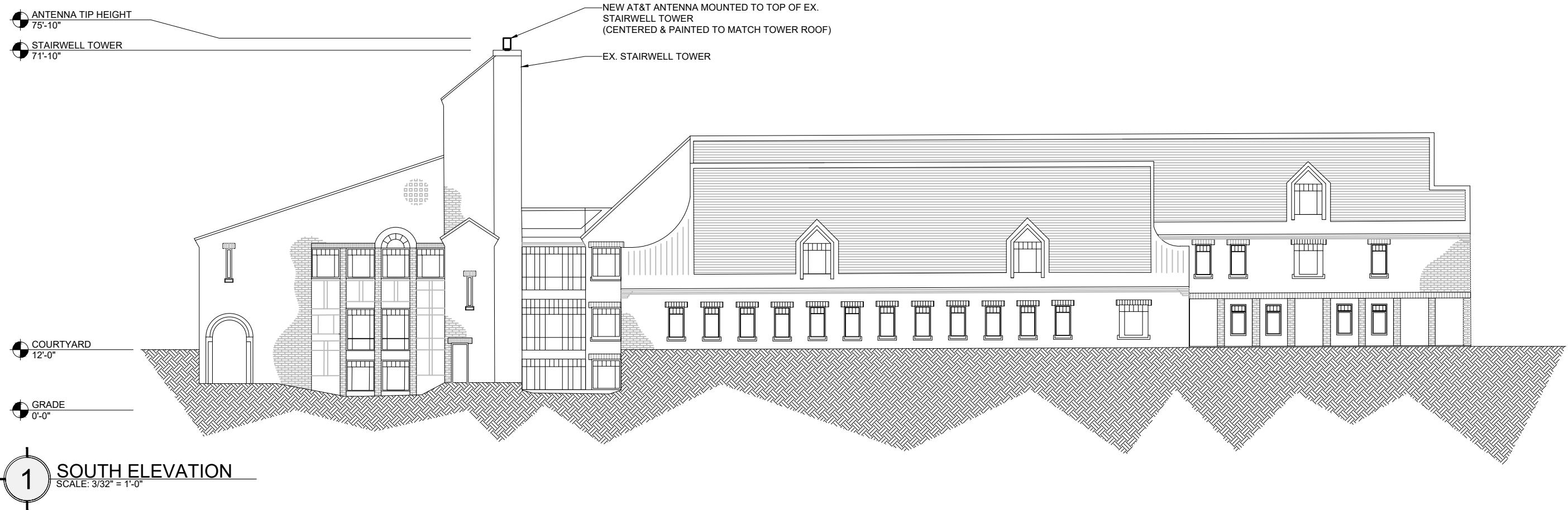


2 EAST ELEVATION
SCALE: 3/32" = 1'-0"

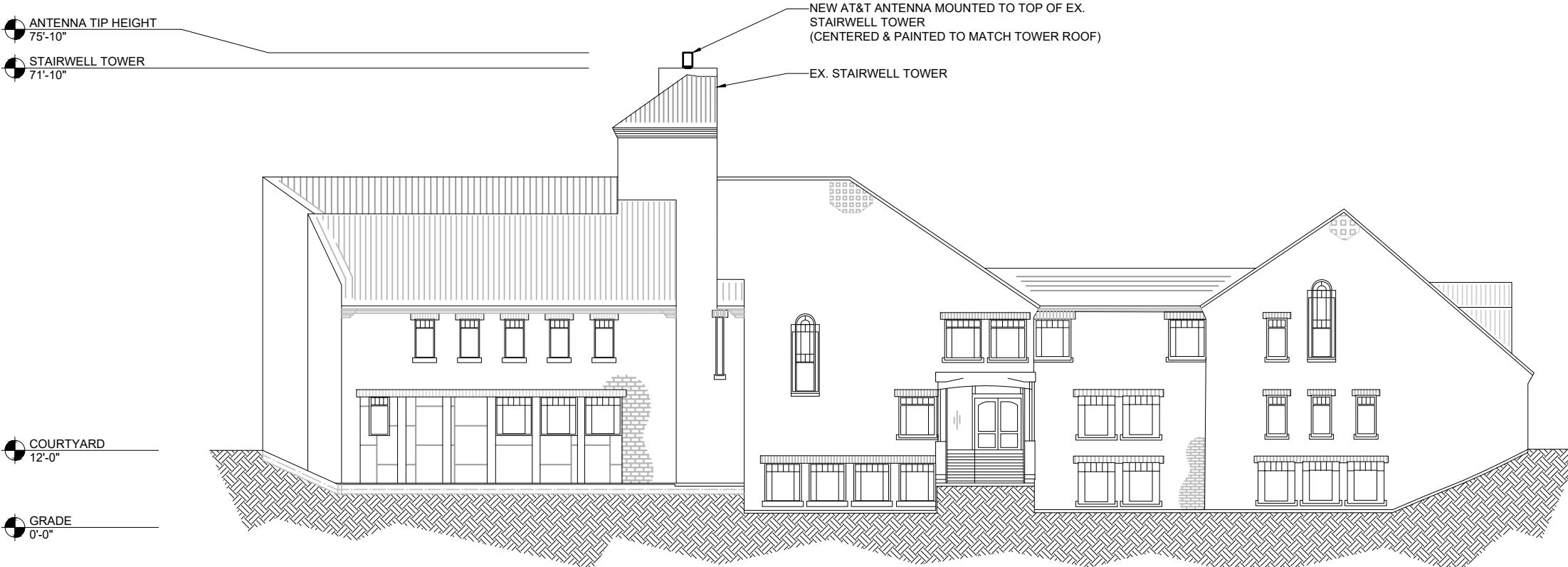
0' 4' 8' 16' 24'

Scale: 3/32" = 1'-0"

**NOT FOR ZONING
CONSTRUCTION**



1 **SOUTH ELEVATION**
SCALE: 3/32" = 1'-0"



2 **WEST ELEVATION**
SCALE: 3/32" = 1'-0"

0' 4' 8' 16' 24'
Scale: 3/32" = 1'-0"

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S & W ELEVATIONS

Z2.2

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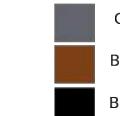


2' 14-Port Quasi-Omni Pattern Canister Antenna [698-896, 1695-2690, 3300-4200 and 5150-5925 MHz]

GQ2414-B6790

Description:

- Quasi-Omni Pattern Canister Antenna for Outdoor DAS and Small Cells
- 4x ports for Low Band 698-896 MHz
- 4x ports for AWS/PCS/WCS Band 1695-2690 MHz
- 4x ports for C-Band 3300-4200 MHz
- 2x ports for U-NII Band 5150-5925 MHz*



698-896, 1695-2690, 3300-4200 and 5150-5925 MHz
14-Port Quasi-Omni Pattern Canister Antenna

*Compliant to 789033 D02 General U-NII Test Procedures New Rules v01r04: The antenna meets current U-NII-1 requirements for gain and upper side-lobe performance. Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Sub-part E

Electrical Specifications

Frequency Band [MHz]	698-896	1695-2200	2305-2360	2496-2690	3300-3550	3550-3700	3700-4200	5150-5925
Input Connector Type	4x 4.3-10(F)		4x 4.3-10(F)		4x 4.3-10(F)		2x 4.3-10(F)	
Isolation (min.)	23 dB	20 dB	25 dB		20 dB		25 dB	
VSWR (max.) /RL (min.)			1.5:1 / 14.0 dB					
Impedance			50 Ω					
Polarization			Dual slant 45° (±45°)					
Horizontal Beamwidth			Omni (360°)					
Vertical Beamwidth	83.9°	22.6°	18.6°	16.6°	25.4°	25.8°	23.7°	21.3°
Gain (max.)	4.1 dBi	9.1 dBi	8.7 dBi	9.5 dBi	8.1 dBi	8.6 dBi	8.0 dBi	5.5 dBi
Gain (avg.)	3.4 dBi	8.0 dBi	8.1 dBi	8.6 dBi	7.3 dBi	7.5 dBi	7.2 dBi	4.3 dBi
Downtilt			0° Fixed					
Max Power / Port		100 Watts			100 Watts		1 Watt	
PIM @ 2x43 dBm		<-153 dBc			N/A		N/A	

Mechanical Specifications

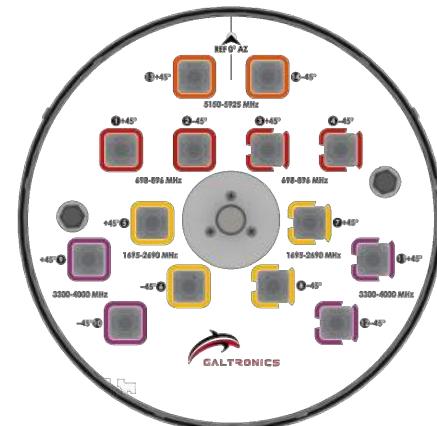
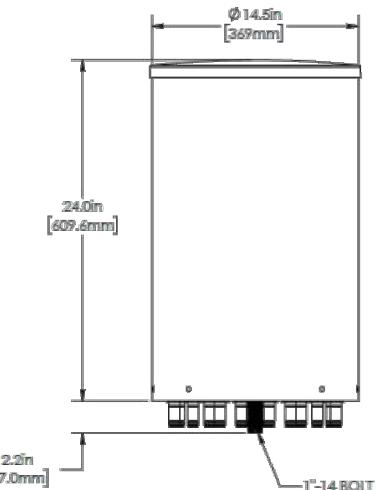
Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	22.5 lbs (10.2 kg)
Antenna Diameter	14.5" (369 mm)
Antenna Height	24.0" (609.6 mm)
Radome Material	ASA
Radome Color	Gray, Brown and Black
Ingress Protection	Outdoor (IP65)
Wind Survival Rating	150 mph (241 km/h)

RFD#: B6790 ; Revision: R3 ; Release Date: November 23, 2021;



Additional Technical Information

Mechanical Dimensions



Mating Connector Torque:
4.3-10: 3.7 ft-lb (5 Nm)

Part Numbers & Ordering Options

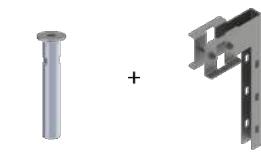
Description	Color	Mounting Kit	Part Number
Quasi-Omni Pattern Canister Antenna with 14x 4.3/10(F) Connectors	Gray		GQ2414-B6790-1xx
	Brown	Including MK-06761 mounting kit assembly	GQ2414-B6790-6xx
	Black		GQ2414-B6790-Bxx

Mounting Brackets & Optional Accessories

Mounting Kit Assembly, Canister, Pole Top (wind speed of 150 mph)

The assembly kit includes a 1" Mount Rod Adapter (MK-06678: universal interface for pole top installation) and a Pole Top Mounting Bracket (MK-06679: a bracket base attached directly to wood, metal and cement poles).

Note: 1" Rod Adapter (MK-06678) and Pole Top Mounting Bracket (MK-06679) may be ordered separately.



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