



**MONTGOMERY COUNTY, MARYLAND**  
**TOWER COORDINATOR**  
**RECOMMENDATION**

APPLICATION NUMBER: 201312-05

DATE: 28 October 2013

<b>Application Information:</b>		
Applicant:	AT&T	
Description:	Attach 12 panel antennas, nine 73"-high and three 96"-high, atop a 25'-high church.	
Site Location:	St. Luke Lutheran Church 9100 Colesville Road, Silver Spring	
Property Owner:	Saint Luke Evangelical Lutheran Church of Silver Spring	
Classification in accordance with Zoning Ordinance: R-60		
Private Property:	<input checked="" type="checkbox"/>	By right: <input checked="" type="checkbox"/>
Public Property:	<input type="checkbox"/>	Mandatory Referral: <input type="checkbox"/>
		Minor Modification <input type="checkbox"/>
		Special Exception: <input type="checkbox"/>
		Special Exception Modification: <input type="checkbox"/>
Impact on land-owning agency: N/A		
Existing or future public safety telecommunications facilities and plans: NA		
Co-location options: T-Mobile also has antennas atop this church.		
<p>Implications to surrounding area: The antennas will be concealed within a faux chimney to be constructed alongside the existing faux chimney T-Mobile constructed to conceal their antennas (TFCG # 200407-03) to match the existing chimney at the church. The plans provided with the application show the overall height of the facility will be approximately 25' above the top of building roof. The photo below shows a view of the church from the parking area off of Dale Drive. The approximate location and height of the proposed AT&amp;T faux chimney is indicated by the arrow on the left. The T-Mobile chimney is located in the center of the photo and the real chimney originally constructed at the church is visible on the right in the photo.</p>		
Based on our site visit, although the impact of a second antenna enclosure atop the church		

may be minimal because it is disguised as a chimney, it will likely be more visible to passers-by along Colesville Road and Dale Drive.

Attachments: Application

Comments: A building height of 50' is required in a residential zone to permit attachment of antennas according to the zoning code. However, we understand from past applications, DPS would permit this facility because the antennas will be concealed.

Equipment will be placed in a 12' x 12' shelter to be placed on a steel platform to be constructed on the roof. Because an emergency power generator will also be placed on the platform alongside the shelter, we condition our recommendation on the noise from the generator not exceeding the limits in the County's Noise Ordinance.

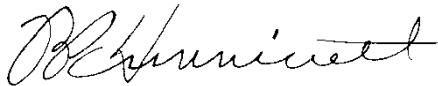
**Tower Coordinator Recommendation:**

Recommended:

Recommended with conditions:

Not recommended:

Conditions: On the generator operating in compliance with the County's Noise Ordinance.



1/02/14

Signature

Date



**MONTGOMERY COUNTY, MARYLAND**  
**APPLICATION FOR WIRELESS COMMUNICATIONS**  
**SITE COORDINATION**

**DATE:** \_\_\_\_\_ **NUMBER:** \_\_\_\_\_  
(To be filled in by County)

Applicant Name: **AT&T Mobility**

DBA:

Address: **10015 Old Columbia Rd, Suite F-100, Columbia, MD 21046**

Contact Person  
and Phone No.: **Phil Stetler, 443-977-7561**

Provide a description of the proposed installation, including the type and height of the structure (i.e. monopole, rooftop, water tank, guyed tower, self-support tower, etc.) and whether it is existing, modified, or new. Describe any modifications that will be made to existing structure.

*AT&T will co-locate and install twelve (12) panel antennas and related support equipment at the 49' RAD center on this building rooftop; the antennas will be screened and hidden from view behind a proposed stealth chimney. Nine (9) of the proposed antennas will measure 72.72"x11.85"x7.1". Three (3) of the proposed antennas will measure 96"x13.4"x16.5". AT&T will also locate supporting equipment on the rooftop within a mounted equipment shelter and will locate a natural-gas fueled backup power generator next to the shelter.*

Address/City: 9100 Colesville Road, Silver Spring, MD 20910

Site Name: Ellsworth

Zoning: R-60

Site Owner/Landlord: Saint Luke Evangelical Lutheran Church of Silver Spring

Structure Owner: Saint Luke Evangelical Lutheran Church of Silver Spring

Latitude/Longitude (NAD27 degrees/minutes/seconds: 39/00/18.81, -77/01/25.45

Ground Elevation AMSL in feet: 303'

Antenna Height AGL in feet: 49'

Frequency bands to be used: 734-740; 740-746; 869.04-879.99; 890.01-891.48; 1950-1965; 1985-1990 (TX), 704-710; 710-716; 716-722; 824.04-834.99; 845.01-846.48; 1870-1885; 1905-1910 (RX)

Maximum Effective Radiation Power (ERP): 57.2 dBm

Federal Communication Commission (FCC) Emission Designator: 30M0W7D

FCC Antenna Structure Registration Number: n/a

Description of antenna(s), including physical size, patterns, gain and orientation (include copy of spec sheet or drawings): (9) *Commscope SBNHH-1D65B (9 panels, 72.72"x11.85"x7.1")*, (3) *Alcatel-Lucent 3JR52703AAAA (3 panels, 96"x13.4"x16.5")*, *Antenna gain: 14.3-17.3 dBi*

Describe area to be served by the proposed installation. Attach a map of the general area showing the location of the site. Upon request, attach RF propagation studies showing service area coverage surrounding the proposed site with and without the proposed site. *Please see the enclosed RF propagation maps.*

Will antennas be installed on an existing structure? yes

If not, describe results of investigation about possible co-location. Include a listing of alternative sites considered and an explanation as to why each possible alternative was not selected. If a site was ruled out because of radio frequency (RF) issues, provide RF propagation maps documenting inadequate coverage: n/a

Justification of why this site was selected: *It was determined that a gap in AT&T data and voice coverage exists in the area surrounding the intersection of Dale Drive and Colesville Road. A co-location on this rooftop will enable AT&T to fill the gap in coverage and provide seamless service to their customers.*

Will site be used to support government telecommunications facilities or other equipment for government use? no

If yes, describe:

Attach a site plan of the proposed facility showing location of monopole, tower, or structure on the property, location of existing and proposed equipment buildings or cabinets, and distance of any new structures or buildings from property lines and other buildings or residences within 300 feet. Clearly identify existing versus proposed facilities by carrier. Also provide an elevation sketch of the structure showing major dimensions, existing attachments, and mounting height of proposed antennas. If a balloon test has been performed, please provide copies of the photographs.

Will the antenna installation be in compliance with the maximum permissible RF exposure limits set forth in §1.1310 of the FCC Rules and Regulations? Yes  No

If the answer is no, please attach an explanation.

Type of compliance study required under §1.1307 of the FCC Rules and Regulations:

Categorically Excluded

Routine Environmental Evaluation

Environmental Assessment

If antennas will be located on a rooftop, please attach a description of any steps that have been or will be taken to prevent the aggregate RF from exceeding exposure limits. **AT&T always takes necessary steps to ensure that RF emissions stay within permissible limits.**

Montgomery County Code, Chapter 2-58E requires applicants to submit a facility location plan indicating the location of every existing telecommunications transmission facility and the general location of facilities that are anticipated to be built in the near future. Has a new or updated plan been filed with the County within the last year? Yes  No  If the answer if no, please submit a plan with this application.

If an application for an FAA review has been submitted or an FAA determination has been issued, please attach a copy.

Submit the application fee, **with a copy of this Application Form**, to:

Office of Cable and Communication Services  
 100 Maryland Avenue, Room 250  
 Rockville, MD 20850

State the fee category selected for this application and the amount and date paid:  
 Category: \_Co-location\_\_\_\_\_ Fee: \$ 1000.00\_\_\_\_\_  
 Date Paid: \_10/21/13\_\_\_\_\_ Check # \_1237\_\_\_\_\_

**Submit the original and three (3) copies of the application with all attachments to:**  
 Columbia Telecommunications Corporation  
 10613 Concord Street  
 Kensington, MD 20895

Phone: 301-933-1488



st luke's church, chevy chase md



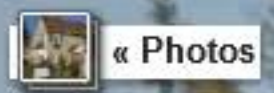
Drew Montgomery



+ Share



992 Dale Drive, Silver Spring, Maryland, United States  
Address is approximate



© 2013 Google | Image Date: April 2012

Report a problem



# Product Specifications

COMMSCOPE®

POWERED BY



## SBNH-1D6565B

**Andrew® Dual Band Antenna, 698–896 MHz and 1710–2180 MHz, 65° horizontal beamwidth, RET compatible**

- Interleaved dipole technology providing for attractive, low wind load mechanical package
- Internal next generation actuator eliminates field installation and defines new standards for reliability

## Electrical Specifications

Frequency Band, MHz	698–806	806–896	1710–1880	1850–1990	1920–2180
Gain, dBi	15.0	15.2	18.4	18.2	17.8
Beamwidth, Horizontal, degrees	70	67	59	57	65
Beamwidth, Vertical, degrees	12.3	10.8	5.5	5.1	4.8
Beam Tilt, degrees	0–10	0–10	0–6	0–6	0–6
USLS, typical, dB	15	15	15	15	15
Front-to-Back Ratio at 180°, dB	25	27	34	35	32
Front-to-Back Total Power at 180° ± 20°, dB	20	20	28	28	25
CPR at Boresight, dB	24	20	25	25	22
CPR at Sector, dB	10	8	10	10	8
Isolation, dB	30	30	30	30	30
Isolation, Intersystem, dB	30	30	30	30	30
VSWR   Return Loss, dB	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150	-150
Input Power per Port, maximum, watts	400	400	300	300	300
Polarization	±45°	±45°	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm
Lightning Protection	dc Ground	dc Ground	dc Ground	dc Ground	dc Ground

## General Specifications

Antenna Brand	Andrew®
Antenna Type	DualPol® dual band
Band	Multiband
Brand	DualPol®   SmartBeam®   Teletilt®
Operating Frequency Band	1710 – 2180 MHz   698 – 896 MHz

## Mechanical Specifications

Color	Light gray
Connector Interface	7-16 DIN Female
Connector Location	Bottom
Connector Quantity, total	4
Lightning Protection	dc Ground
Radiator Material	Aluminum
Radome Material	Fiberglass, UV resistant
Wind Area, maximum	0.6 m <sup>2</sup>   6.2 ft <sup>2</sup>
Wind Loading, maximum	617.7 N @ 150 km/h 138.9 lbf @ 150 km/h
Wind Speed, maximum	241.0 km/h   149.8 mph

## Dimensions

# Product Specifications

COMMScope®



SBNH-1D6565B

Depth	181.0 mm   7.1 in
Length	1847.0 mm   72.7 in
Width	301.0 mm   11.9 in
Net Weight	21.5 kg   47.4 lb

## Remote Electrical Tilt (RET) Information

Adjustment Time, full range, maximum	30 s
Annual Failure Rate, maximum	0.01%
Power Consumption, idle state, maximum	2.0 W
Power Consumption, normal conditions, maximum	11.0 W
Power Input	10-30 V
Protocol	3GPP/AISG 2.0 Multi-RET
RET Interface	RS-485 Female (daisy chain port ,1)   RS-485 Male (input port, 1)
RET Interface, quantity	1 female   1 male
RET System	Teletilt®

## Regulatory Compliance/Certifications

### Agency

RoHS 2011/65/EU  
China RoHS SJ/T 11364-2006  
ISO 9001:2008

### Classification

Compliant by Exemption  
Above Maximum Concentration Value (MCV)  
Designed, manufactured and/or distributed under this quality management system



## Included Products

DB380 — Pipe Mounting Kit for 2.4"-4.5" (60-115mm) OD round members on wide panel antennas. Includes 2 clamp sets and double nuts.

DB5083 — Downtilt Mounting Kit for 2.4"-4.5" (60 - 115 mm) OD round members. Includes a heavy-duty, galvanized steel downtilt mounting bracket assembly and associated hardware. This kit is compatible with the DB380 pipe mount kit for panel antennas that are equipped with two mounting brackets.

## ALU 1A Product Info (AA: Active Antenna):

Preliminary <sup>o</sup>	8' AA (B2A/B5P/B12P)	8' AA (B30A/B5P/B12P)	8' AA (B4A/B5P/B12P)	6' AA (B2A/B5P/B12P)	6' AA (B4A/B5P/B12P)	6' AA (B30A/B5P/B12P)	4' AA (B2A/B5P/B12P)	4' AA (B4A/B5P/B12P)	4' AIR (B30A/B5P/B12P)
Product Number	3JR52703AAAA	3JR39282AAAA	3JR52702AAAA	3JR52702AAAA	3JR52702AAAA	3JR39281AAAA	3JR52701AAAA	TBD	3JR39280AAAA
Active antenna/radio	PCS 2 TX / 4 RX	WCS 2 TX / 4 RX	AWS 2 TX / 4 RX	PCS 2 TX / 4 RX	AWS 2 TX / 4 RX	WCS 2 TX / 4 RX	PCS 2 TX / 4 RX	AWS 2 TX / 4 RX	WCS 2 TX / 4 RX
Bypass antenna	700/850 MHz +/- 45°	700/850 MHz +/- 45°	700/850 MHz +/- 45°	700/850 MHz +/- 45°	700/850 MHz +/- 45°	700/850 MHz +/- 45°	700/850 MHz +/- 45°	700/850 MHz +/- 45°	700/850 MHz +/- 45°
Antenna HBW	65° +/- 5° (passive) 65° +/- 5° (active)	71° +/- 5° (passive) 61° +/- 5° (active)	TBD	65° +/- 5° (passive) 65° +/- 5° (active)	TBD	71° +/- 5° (passive) 61° +/- 5° (active)	65° +/- 5° (passive) 65° +/- 5° (active)	TBD	71° +/- 5° (passive) 51° +/- 5° (active)
Antenna VBW	9° (700/850 MHz) 5.5° (PCS)	9° (700/850 MHz) 5° (WCS)	TBD	1° (700/850 MHz) 5.5° (PCS)	TBD	11° (700/850 MHz) 5° (WCS)	16° (700/850 MHz) 7° (PCS)	TBD	18° (700/850 MHz) 7° (WCS)
Antenna Gain	13.4 dBi (bypass) 17.5 dBi (PCS)	13.4 dBi (bypass) 17.5 dBi (WCS)	TBD	12.4 dBi (bypass) 17.5 dBi (PCS)	TBD	12.4 dBi (bypass) 17.5 dBi (WCS)	11.4 dBi (bypass) 16.3 dBi (PCS)	TBD	10.9 dBi (bypass) 16.3 dBi (WCS)
Antenna Tilting Range	0-10° (bypass) 0-10° (PCS)	0-10° (bypass) 0-10° (WCS)	TBD	0-10° (bypass) 0-10° (PCS)	TBD	0-10° (bypass) 0-10° (WCS)	0-10° (bypass) 0-10° (PCS)	TBD	0-10° (bypass) 0-10° (WCS)
Interface	CPRI ports: one dedicated to WCDMA, one to LTE RET: (Passive side) one AISG input and one AISG output port; (Active side) one AISG output port; AISG information received from CPRI link DC: nominal -48V								
Number of UMTS carriers	2 <sup>2</sup>	N/A	TBD	2 <sup>2</sup>	TBD	N/A	2 <sup>2</sup>	TBD	N/A
LTE	Up to 20 MHz								
Supported Baseband	9926 d2U (LTE) 9396 d2U/d4U (UMTS)	9926 d2U (LTE)	9926 d2U (LTE)	9926 d2U (LTE) 9396 d2U/d4U (UMTS)	9926 d2U (LTE)	9926 d2U (LTE)	9926 d2U (LTE)	9926 d2U (LTE)	9926 d2U (LTE)
Dimensions (HxWxD)	96"x13.4"x16.5" <sup>3</sup>	96"x13.4"x16.5" <sup>3</sup>	TBD	80"x13.4"x16.5" <sup>3</sup>	TBD	80"x13.4"x16.5" <sup>3</sup>	60.9"x13.4"x16.5" <sup>3</sup>	TBD	60.9"x13.4"x16.5" <sup>3</sup>
Weight	163.8 lbs <sup>3</sup>	163.8 lbs	TBD	152.1 lbs <sup>3</sup>	TBD	152.1 lbs <sup>3</sup>	137.8 lbs <sup>3</sup>	TBD	137.8 lbs <sup>3</sup>
HW Availability <sup>4</sup>	Jun. '14	Jan. '15	TBD	Jun. '14	TBD	Jan. '15	Jun. '14	TBD	Jan. '15

AT THE SPEED OF IDEAS™



Alcatel-Lucent

## ALU 4 Way RX RRH Product Info:

Band	AWS	PCS	WCS
Model	RRH2x40-AWS+RDEM	RRH2x60-1900A-4R	RRH2x50-WCS
Product Number		3JR39501AA	3JR39279AA
TX power	2x40W	2x60W	2x50W
RX branches	4	4	4
Dimensions (HxWxD)	27.8"x17"x11.9"	22.1"x12.5"x9.9"	46.7"x12"x5.8"
Weight	61.9 lbs*	59.8 lbs*	77.4 lbs*
HW Availability	Nov. '13	Feb. '14	Jan. '15
SW Dependency	L146.0 (5 MHz) LR13.1 (10 MHz)	LR13.1	LR14.1



## Scoping Dimension and Weight

The below Dimension and Weight must be used for the SFC Activity.

Alcatel Lucent			
Type	Model #	DIMENSIONS HxWxD (INCHES)	WEIGHT (LBS)
4ft WCS IA	3JR39280AAAA	60.9x13.1x16.5	137.8
6ft WCS IA	3JR39281AAAA	80x13.1x16.5	152.1
8ft WCS IA	3JR39282AAAA	96x13.1x16.5	163.8
RRH2x50-WCS	3JR39279AA	46.7x12x5.8	77.4
RRH2x40-07L-DE	3JR38037AA	29.2x14.1x9	74.1
Filter	IBC700-1	21.8x11.7x14.3	63.3

**PROJECT DESCRIPTION**

THIS PROPOSAL IS FOR AN UNMANNED WIRELESS COMMUNICATIONS FACILITY CONSISTING OF THE INSTALLATION OF TWELVE (12) PANEL ANTENNAS WITHIN A PROPOSED 27' TALL FAUX CHIMNEY AND THE PLACEMENT OF AN EQUIPMENT SHELTER AND GENERATOR ON A PROPOSED STEEL PLATFORM ON THE ROOF OF AN EXISTING BUILDING.

**PROJECT INFORMATION**

APPLICANT ADDRESS: AT&T  
7150 STANDARD DRIVE  
HANOVER, MD 21706

JURISDICTION: MONTGOMERY COUNTY

SITE ADDRESS: 9100 COLESVILLE ROAD  
SILVER SPRING, MD 20910-1654

LATITUDE: N 39°00'18.81" (NAD 83)  
LONGITUDE: W 77°01'25.45" (NAD 83)  
GROUND ELEVATION: 303' (ASML)

PROPERTY OWNER: SAINT LUKE EVANGELICAL LUTHERAN  
CHURCH OF SILVER SPRING  
9100 COLESVILLE ROAD  
SILVER SPRING, MD 20910-1654

MAP/GRID/PARCEL: JP31/0000/0000  
SUBDIVISION/BLOCK/LOT: 0162/M/13

**RF DATA SHEET**

DATE ISSUED: TBD VERSION: TBD

**CODE ANALYSIS**

APPLICABLE BUILDING CODE: INTERNATIONAL BUILDING CODE 2009 (W/ LOCAL AMENDMENTS)

APPLICABLE ELECTRICAL CODE: NFPA 70 - 2008 (W/ LOCAL AMENDMENTS)

APPLICABLE LIGHTNING PROTECTION CODE: NFPA 780 - 2006

**PROJECT CONTACTS**

1. AT&T PROJECT MANAGER: JENNIFER VAN RIPER  
(410) 818-6459

2. OWNER CONTACT: DAN THOMAS  
(301) 588-4363

**DRAWING INDEX**

**REV.**

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4126-05	DETAILS	1

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEERS IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

THIS DOCUMENT WAS DEVELOPED TO REFLECT A SPECIFIC SITE AND ITS SITE CONDITIONS AND IS NOT TO BE USED FOR ANOTHER SITE OR WHEN OTHER CONDITIONS PERTAIN. REUSE OF THIS DOCUMENT IS AT THE SOLE RISK OF THE USER.

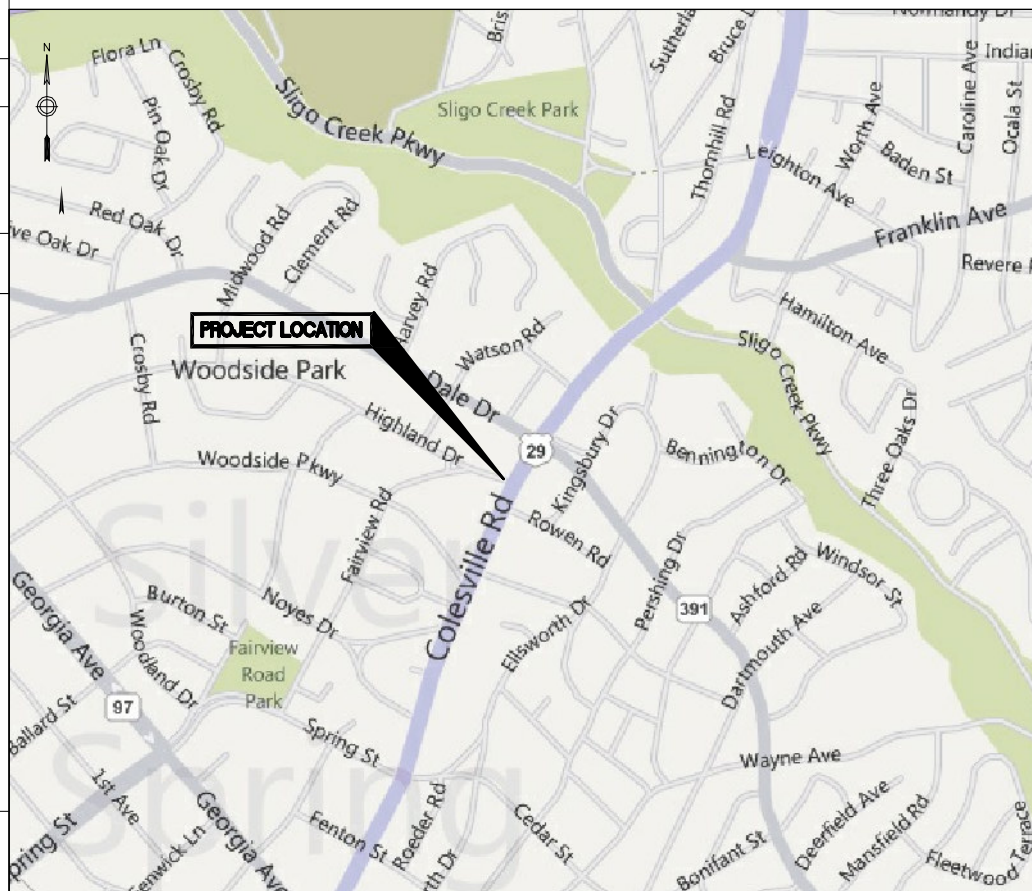


**at&t**  
MOBILITY

**SITE NAME: ELLSWORTH\_**  
**ST. LUKE'S CHURCH**  
**SITE ID NUMBER:**  
**10138155\_4126**

**VICINITY MAP**

DIRECTIONS: DEPART 7150 STANDARD DRIVE, HANOVER, MD 21076 ON STANDARD DRIVE. TURN LEFT ONTO PARKWAY DRIVE. THEN IMMEDIATELY, TURN RIGHT ONTO PARK CIRCLE DRIVE. ROAD NAME CHANGES TO COCA-COLA DRIVE. TAKE RAMP ONTO SR-100 WEST. AT EXIT 5A-B, TAKE RAMP RIGHT FOR 1-95 SOUTH TOWARD WASHINGTON. AT EXIT 27, TAKE RAMP RIGHT FOR 1-495 WEST/1-495 OUTERLOOP/ CAPITAL BELTWAY TOWARD SILVER SPRING. AT EXIT 30, TAKE RAMP RIGHT FOR US-29 SOUTH/COLESVILLE ROAD TOWARD SILVER SPRING. THE SITE IS ON THE RIGHT.



**NOT TO SCALE**

**GENERAL NOTES**

1. THE SUBCONTRACTOR SHALL GIVE ALL NOTICES AND REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY. MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
2. THE ARCHITECT/ENGINEER HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE SUBCONTRACTOR BIDDING THE JOB IS NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID SUBCONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
3. THE SUBCONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE AT&T REPRESENTATIVE (BECHTEL) OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF SUBCONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK. IN THE EVENT OF DISCREPANCIES, THE SUBCONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.
4. THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND ALL OTHER MATERIALS AND LABOR DEEMED NECESSARY TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN.
5. THE SUBCONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
6. THE SUBCONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/CONTRACT DOCUMENTS.
7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S/VENDORS SPECIFICATIONS UNLESS OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
8. THE SUBCONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE UPDATED WITH THE LATEST REVISIONS AND ADDENDUMS OR CLARIFICATIONS AVAILABLE FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
9. THE SUBCONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE SUBCONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
10. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY OR LOCAL GOVERNMENT AUTHORITY.
11. THE SUBCONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVEMENTS, CURBING, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, THE SUBCONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
12. THE SUBCONTRACTOR SHALL MAINTAIN THE GENERAL WORK AREA AS CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
13. THE SUBCONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
14. THE SUBCONTRACTOR SHALL NOTIFY THE AT&T REPRESENTATIVE (BECHTEL) WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE SUBCONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED BY THE AT&T REPRESENTATIVE (BECHTEL).
15. THE SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE JOB.

AT&T CONSTRUCTION \_\_\_\_\_ DATE AT&T RF \_\_\_\_\_ DATE

AT&T COMPLIANCE \_\_\_\_\_ DATE AT&T REAL ESTATE \_\_\_\_\_ DATE



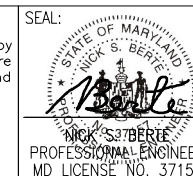
**SITE NAME: ELLSWORTH\_**  
**ST. LUKE'S CHURCH**  
**SITE NUMBER: 10138155\_4126**

9100 COLESVILLE ROAD  
SILVER SPRING, MD 20910



1	10/23/13	ISSUED FOR ZONING	LMR	NSB	NSB
0	10/17/13	ISSUED FOR ZONING	LMR	NSB	NSB
NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE: AS SHOWN			DESIGNED BY: LMR	DRAWN BY: LMR	

"Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 37157, Expiration Date: July 17, 2015."



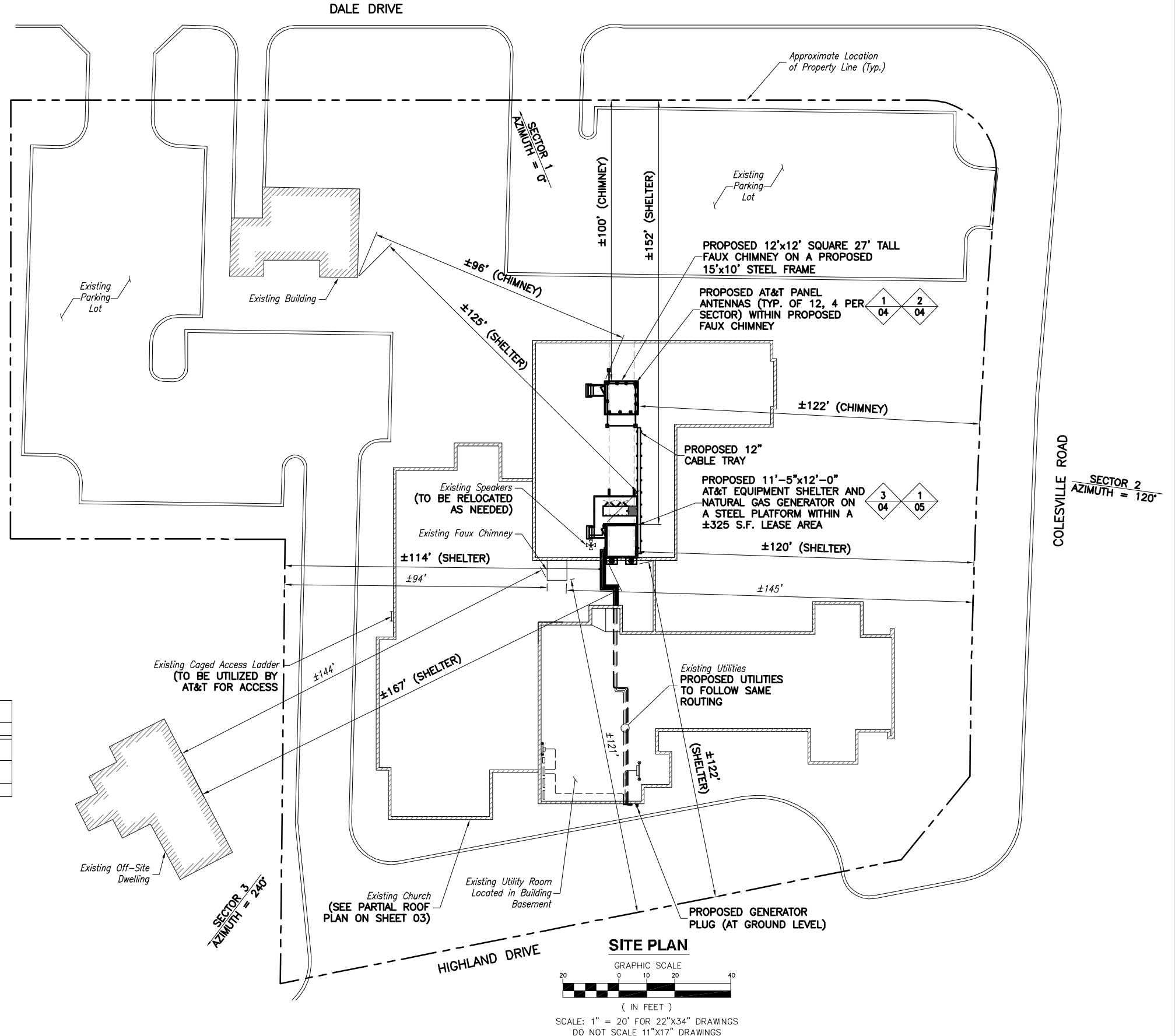
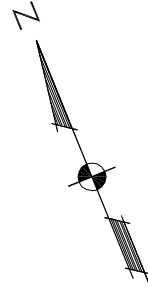
TITLE SHEET

PROJECT NUMBER: 50013763

JOB NUMBER	DRAWING NUMBER	REV
25471-430	4126-01	1

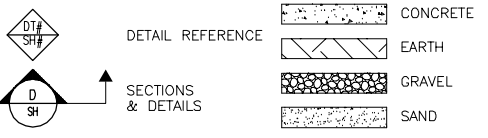
**GENERAL NOTES:**

- SITE PLAN INFORMATION OBTAINED FROM THE FOLLOWING:
  - LIMITED FIELD OBSERVATIONS PERFORMED BY DEWBERRY ON 01/26/11, 03/02/11 AND 09/17/13.
  - SITE PLAN IS BASED ON EXISTING AERIAL PHOTOGRAPHY. A FIELD SURVEY HAS NOT BEEN CONDUCTED BY DEWBERRY. THIS PLAN WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
- THIS PROPOSAL IS FOR AN UNMANNED WIRELESS COMMUNICATIONS FACILITY CONSISTING OF THE INSTALLATION OF TWELVE (12) PANEL ANTENNAS WITHIN A PROPOSED 27' TALL FAUX CHIMNEY AND THE PLACEMENT OF AN EQUIPMENT SHELTER AND GENERATOR ON A PROPOSED STEEL PLATFORM ON THE ROOF OF AN EXISTING BUILDING
- THE PROPOSED FACILITY IS UNMANNED AND IS NOT FOR HUMAN HABITATION. (NO HANDICAP ACCESS IS REQUIRED)
- NO NOISE, SMOKE, DUST, VAPORS OR ODOR WILL RESULT FROM THIS PROPOSAL.
- EXTERIOR SIGNS ARE NOT PROPOSED EXCEPT AS REQUIRED BY THE FCC.
- TOTAL AREA OF DISTURBANCE UNDER THIS PROPOSAL: ±0 S.F.
- ALL CONSTRUCTION FOR SITE IMPROVEMENTS SHALL CONFORM TO APPLICABLE SPECIFICATIONS, STANDARDS, AND REQUIREMENTS OF THE GOVERNMENTAL OR UTILITY AUTHORITIES HAVING JURISDICTION.
- IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- CONTRACTOR SHALL CONTACT THE "MISS UTILITY MARYLAND" PRIOR TO CONSTRUCTION @ 1-800-257-7777.
- ALL CONSTRUCTION AND DESIGN FOR THE PROPOSED ANTENNA MOUNTS SHALL CONFORM IN ACCORDANCE WITH THE CURRENT STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES (TIA/EIA-222-G) REVISED, JANUARY 2006.
- POWER TO THE FACILITY WILL BE MONITORED BY A SEPARATE METER.
- SUBCONTRACTOR TO VERIFY ANTENNA ELEVATION AND AZIMUTH WITH RF ENGINEERING PRIOR TO INSTALLATION.
- SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS & INSPECTIONS REQUIRED FOR CONSTRUCTION.
- A DRIVEWAY PERMIT IS NOT REQUIRED.
- THIS PROJECT WILL NOT REQUIRE STREETS OR PROPERTY TO BE DEDICATED FOR PUBLIC USE.
- THIS PROJECT WILL NOT REQUIRE PERMANENT MONUMENTS.
- NO ENVIRONMENTAL INVESTIGATION HAS BEEN COMPLETED BY DEWBERRY-GOODKIND, INC.
- ACCORDING TO THE FEMA FLOOD INSURANCE RATE MAP OF MONTGOMERY COUNTY, MD MAP NUMBER 24031C03700DATED 09/29/2006, THE SITE IS LOCATED WITHIN X - AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN. THIS SITE IS OUTSIDE THE LIMITS OF THE 100-YEAR FLOOD ZONE.



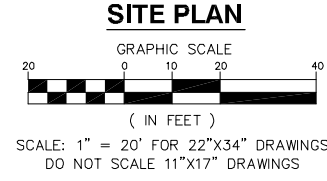
BULK REQUIREMENTS FOR TELECOMMUNICATIONS FACILITY 59-G-2.58				
DESCRIPTION	REQUIRED	EXISTING	PROPOSED	REMARKS
MINIMUM SUPPORT STRUCTURE SETBACK FROM PROPERTY LINE	31 FEET (0.5:1)	94 FEET	100 FEET	CONFORMING
MINIMUM SUPPORT STRUCTURE SETBACK FROM OFF-SITE DWELLING	54 FEET (1:1)	144 FEET	96 FEET	CONFORMING
MAXIMUM SUPPORT STRUCTURE HEIGHT	<155 FEET	52 FEET	54 FEET	CONFORMING

**SYMBOLS AND MATERIALS**



**LEGEND**

- HEAVY LINEWEIGHT INDICATES PROPOSED FACILITIES
- LIGHT LINEWEIGHT INDICATES EXISTING FACILITIES
- SUBJECT PROPERTY LINE



**Dewberry**  
Dewberry Engineers Inc.  
EAST GATE BUSINESS CENTER  
133 GAITHER DRIVE, SUITE F  
MT. LAUREL, NEW JERSEY 08054  
PHONE: 856.802.0843  
FAX: 856.802.0846

**SITE NAME: ELLSWORTH\_ ST.LUKE'S CHURCH**  
**SITE NUMBER: 10138155\_4126**  
  
9100 COLESVILLE ROAD  
SILVER SPRING, MD 20910

**at&t**  
**MOBILITY**  
7150 STANDARD DRIVE  
HANOVER, MD 21076

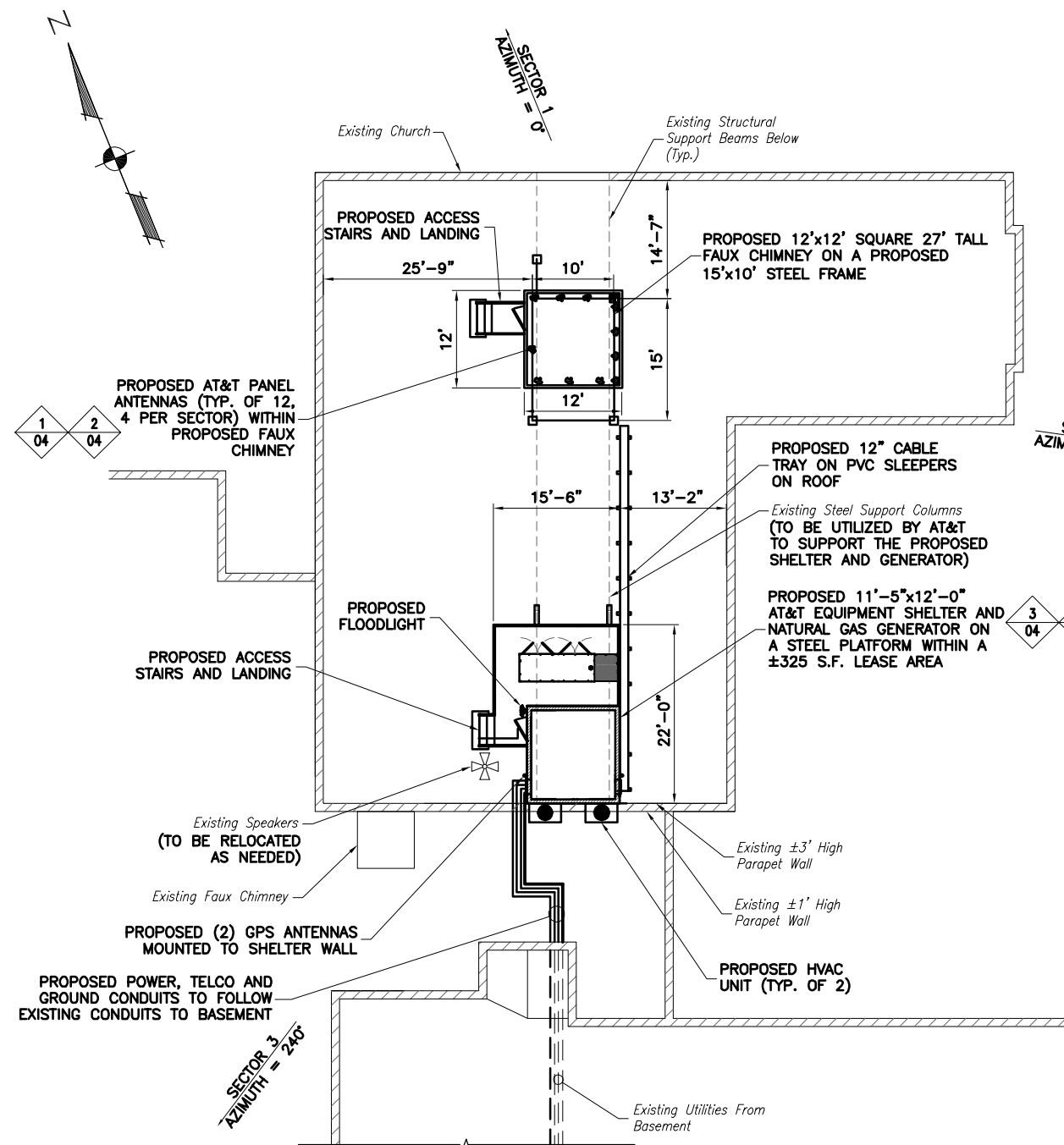
NO.	DATE	REVISIONS	BY	CHK	APP'D
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0	10/17/13	ISSUED FOR ZONING	LMR	NSB	NSB

SCALE: AS SHOWN    DESIGNED BY: LMR    DRAWN BY: LMR

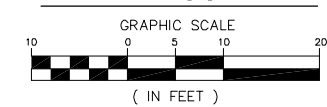
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SEAL:  
  
NICK S. BERLE  
PROFESSIONAL ENGINEER  
MD LICENSE NO. 37157

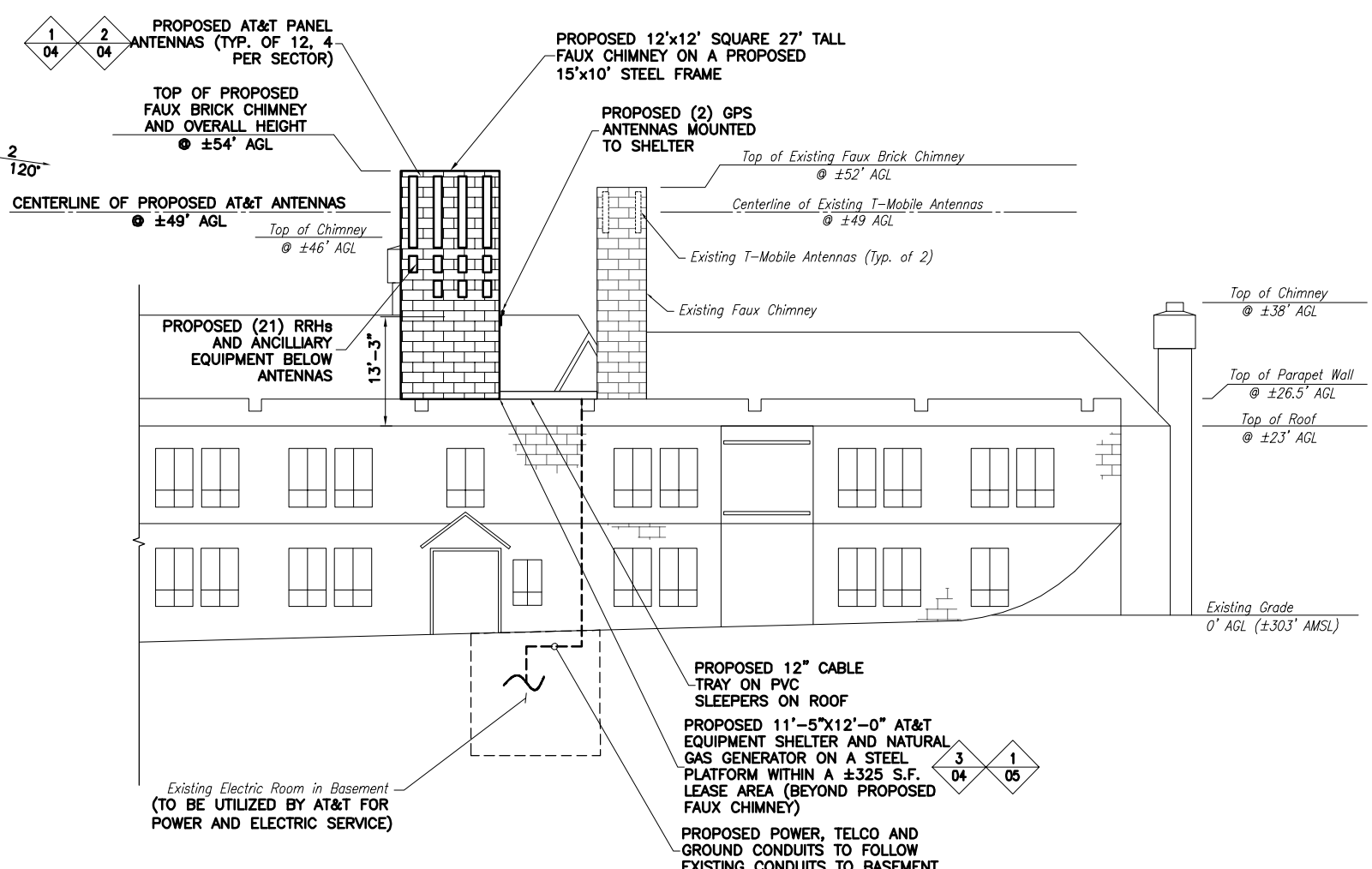
SITE PLAN AND GENERAL NOTES		
PROJECT NUMBER: 50013763		
JOB NUMBER	DRAWING NUMBER	REV
25471-430	4126-02	1



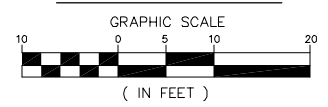
**PARTIAL ROOF PLAN**



SCALE: 1" = 10' FOR 22"x34" DRAWINGS  
DO NOT SCALE 11"x17" DRAWINGS



**ELEVATION VIEW**



SCALE: 1" = 10' FOR 22"x34" DRAWINGS  
DO NOT SCALE 11"x17" DRAWINGS

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**SITE NAME: ELLSWORTH\_**  
**ST. LUKE'S CHURCH**  
**SITE NUMBER: 10138155\_4126**

9100 COLESVILLE ROAD  
SILVER SPRING, MD 20910

**at&t**  
**MOBILITY**

7150 STANDARD DRIVE  
HANOVER, MD 21076

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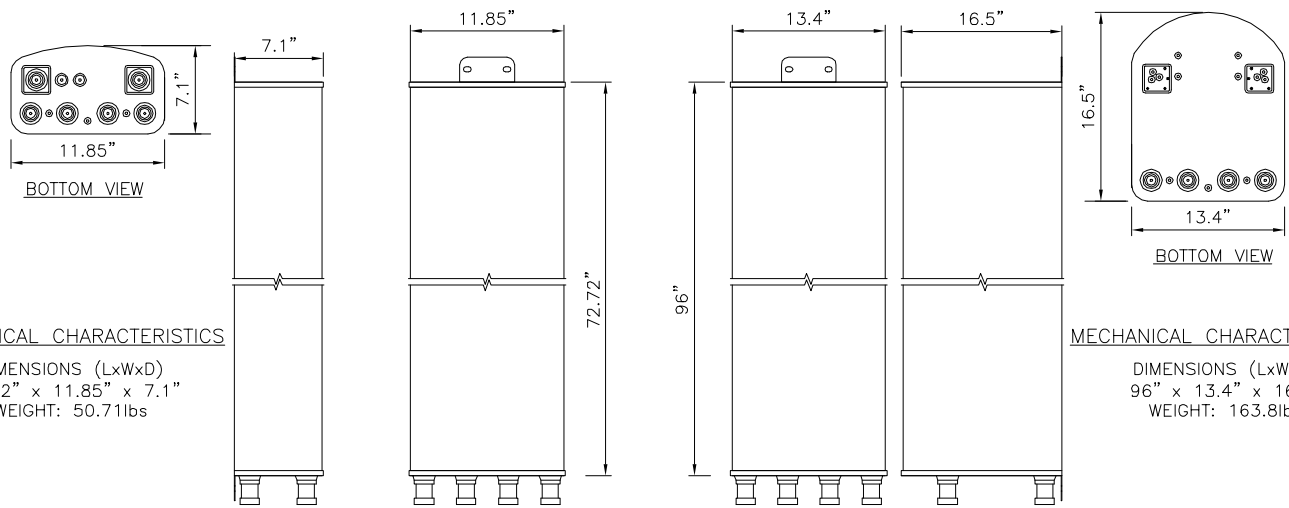
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**PARTIAL ROOF PLAN AND ELEVATION VIEW**

PROJECT NUMBER: 50013763

JOB NUMBER	DRAWING NUMBER	REV
25471-430	4126-03	1



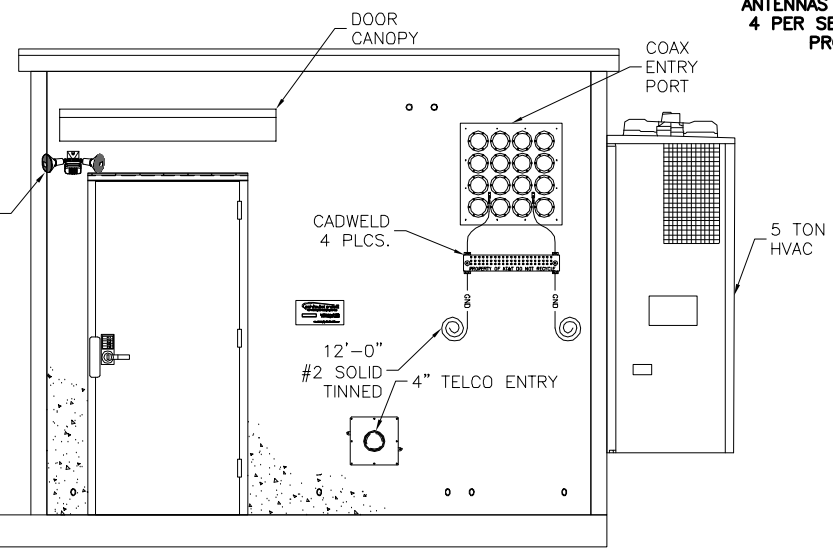
**MECHANICAL CHARACTERISTICS**  
 DIMENSIONS (LxWxD)  
 72.72" x 11.85" x 7.1"  
 WEIGHT: 50.71lbs

**MECHANICAL CHARACTERISTICS**  
 DIMENSIONS (LxWxD)  
 96" x 13.4" x 16.5"  
 WEIGHT: 163.8lbs

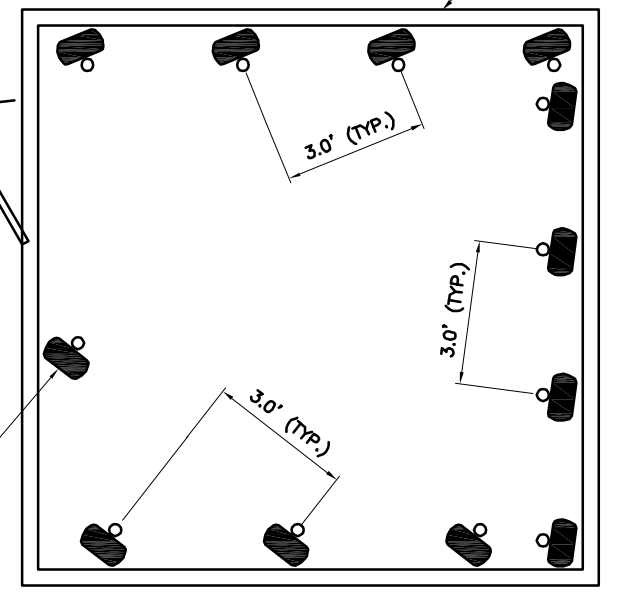
**PANEL ANTENNA**  
 COMMSCOPE SBNHH-1D65B

**PANEL ANTENNA**  
 ALCATEL-LUCENT 3JR52703AAAA

**PANEL ANTENNA DETAILS**  
 NOT TO SCALE

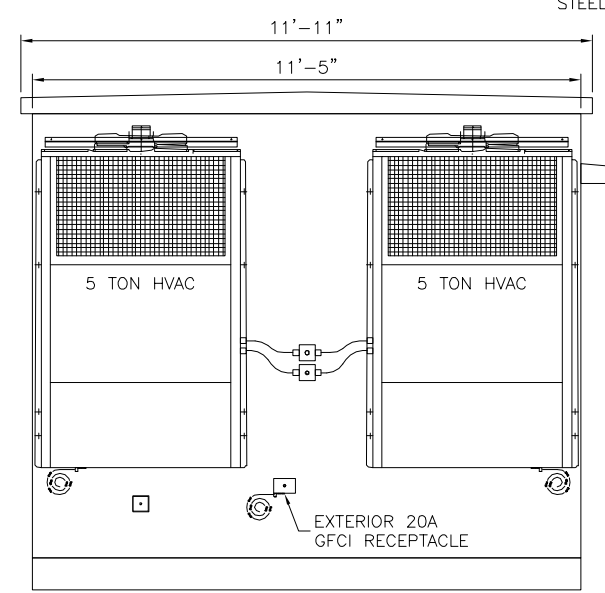
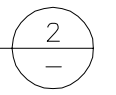


**PROPOSED AT&T PANEL ANTENNAS (TYP. OF 12, 4 PER SECTOR) WITHIN PROPOSED FAUX CHIMNEY**

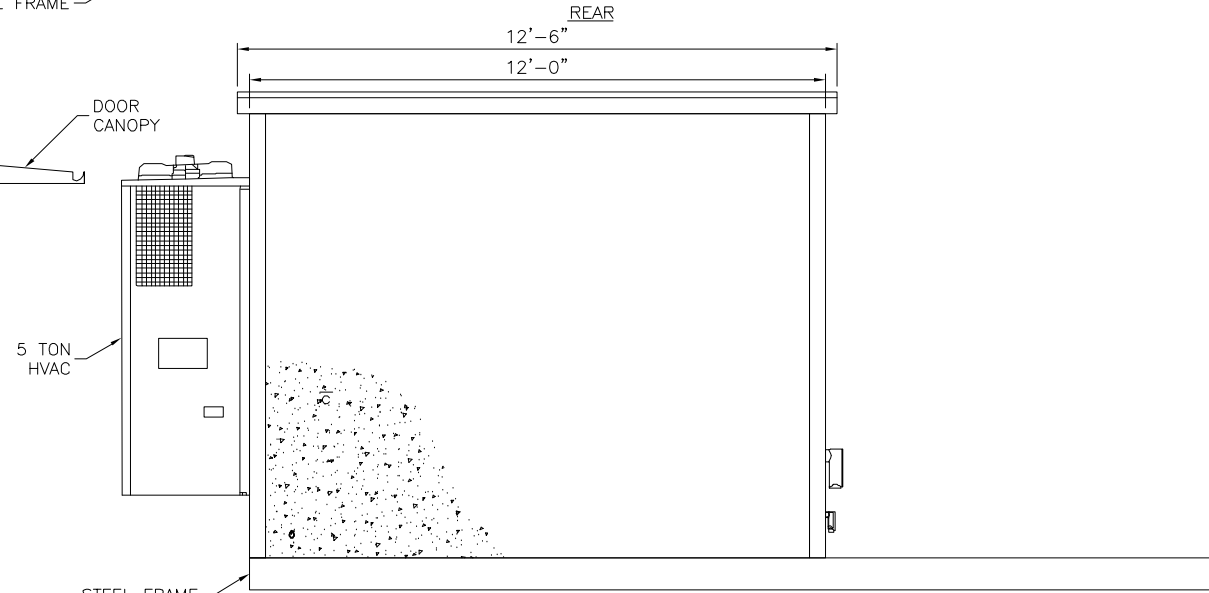


**SECTOR 3**  
 AZIMUTH = 240°

**ANTENNA MOUNTING AND ORIENTATION DETAIL**  
 NOT TO SCALE



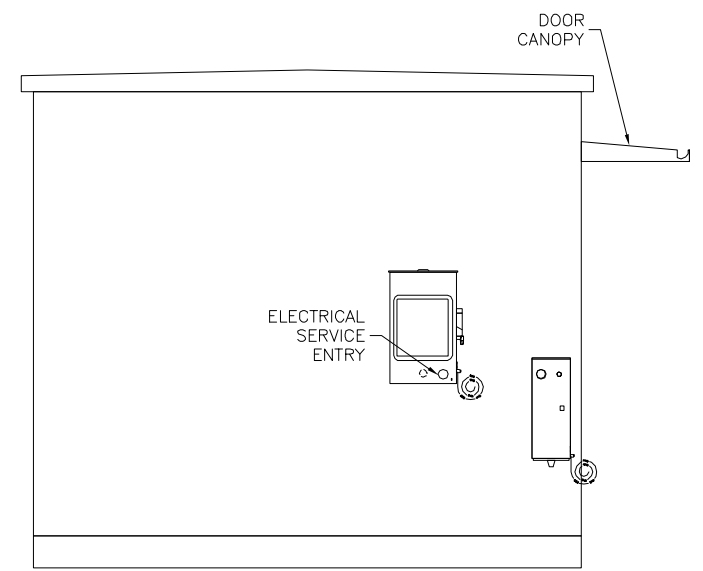
LEFT



FRONT

REAR

**EQUIPMENT SHELTER ELEVATIONS DETAIL**  
 NOT TO SCALE

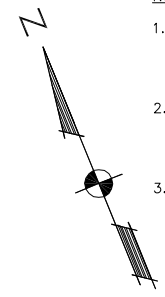


RIGHT

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**NOTES:**

1. ANTENNA ORIENTATION IS BASED ON TRUE NORTH BEARING, CONTRACTOR SHALL VERIFY TRUE NORTH PRIOR TO CONSTRUCTION.
2. CONTRACTOR TO REFER TO FINAL RF CONFIGURATIONS SHEET FOR ANTENNA AZIMUTHS PRIOR TO CONSTRUCTION.
3. MOUNT RRHS AND ANCILLIARY EQUIPMENT BELOW ANTENNAS



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**SITE NAME: ELLSWORTH\_**  
**ST. LUKE'S CHURCH**  
**SITE NUMBER: 10138155\_4126**  
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 SILVER SPRING, MD 20910

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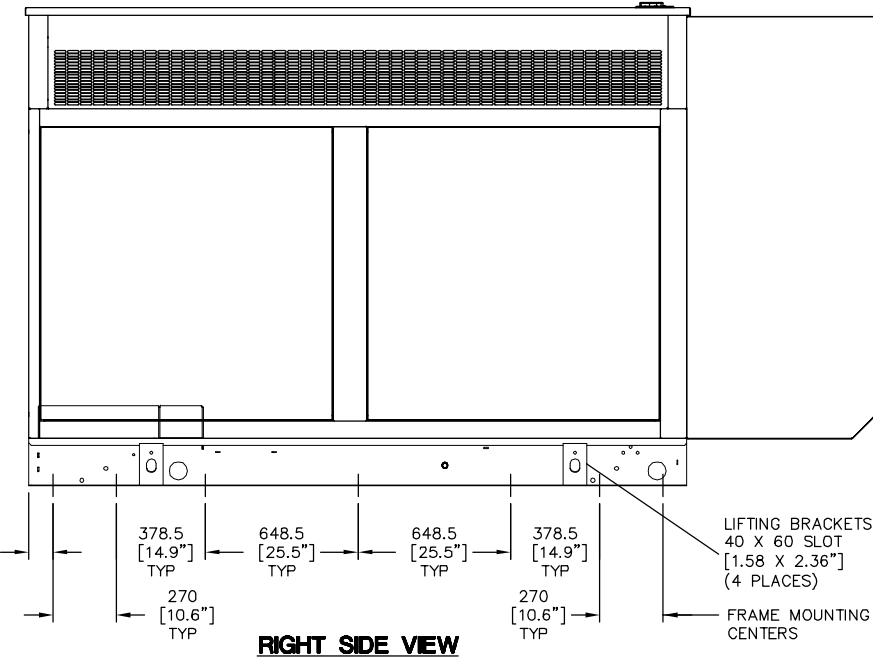
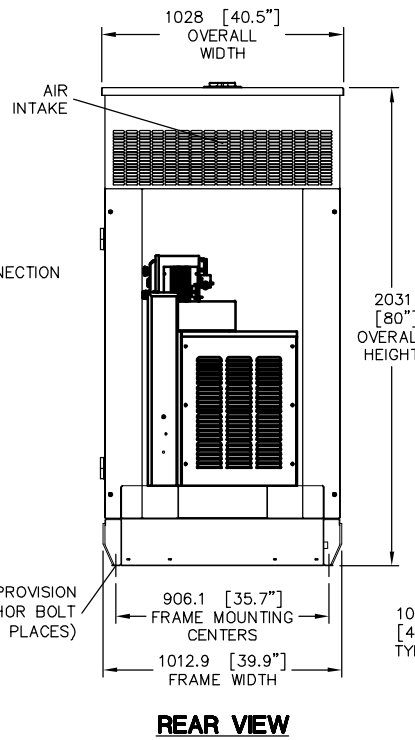
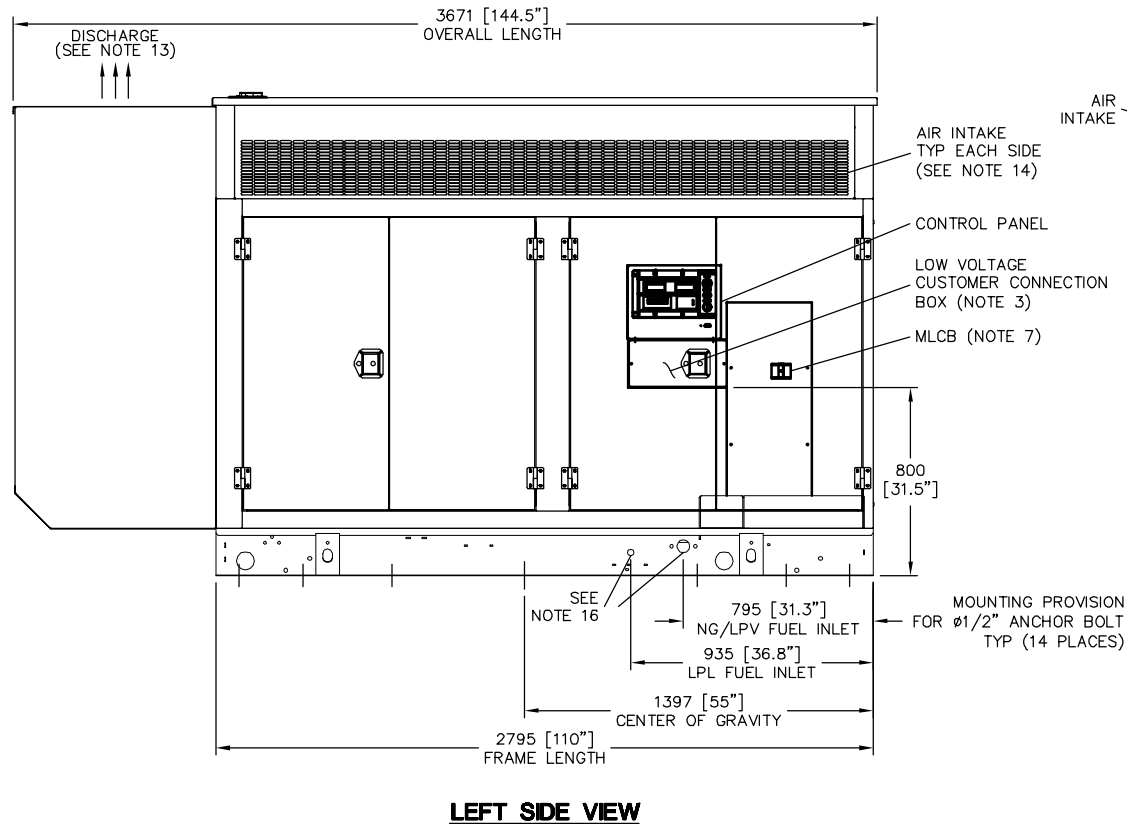
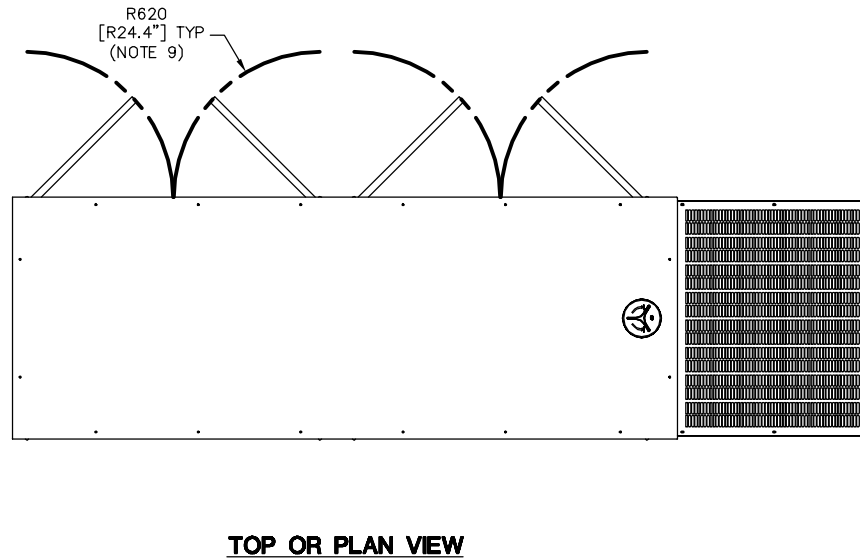
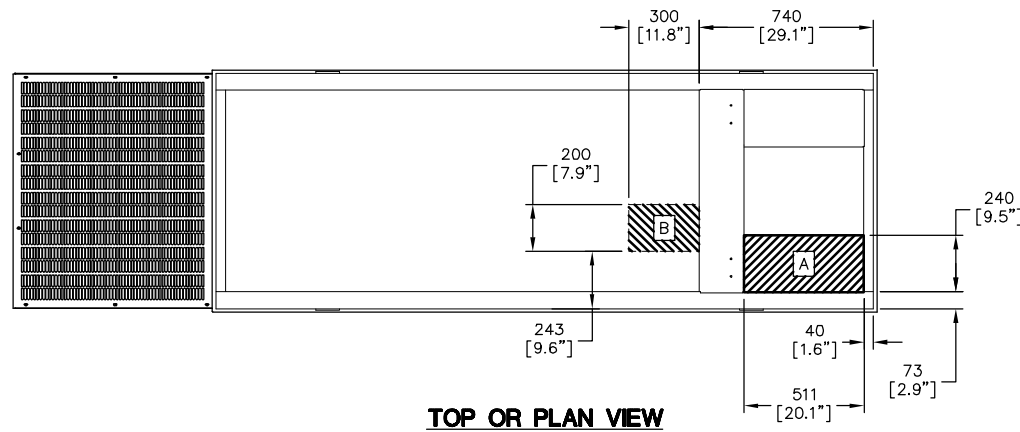
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DETAILS

PROJECT NUMBER: 50013763

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25471-430	4126-04	1



RECOMMENDED ELECTRICAL STUB-UPS (SEE TOP VIEW)	
DESCRIPTION	INSIDE BASE
AC LOAD LEAD CONDUIT	A
1) LOW VOLTAGE CUSTOMER CONNECTION BOX FOR 120VAC GFCI OUTLET, (STANDARD BLOCK HEATER, BATTERY CHARGER AND OTHER 120 VAC OPTIONS).	B SEE NOTE 3
2) TRANSFER SWITCH/ COMMUNICATION CONDUITS, COMMUNICATIONS AND 2-WIRE START MUST NOT BE RUN IN CONDUIT WITH AC WIRING.	

**NOTES:**

- THE LEFT SIDE OF THE GENERATOR IS SERVICE ACCESSIBLE.
- 10 AMP BATTERY CHARGER ENCLOSED WITHIN CONTROL PANEL.
- CONNECTION POINTS FOR CONTROL WIRES. BOTTOM OF LOW VOLTAGE CUSTOMER CONNECTION BOX HAS KNOCKOUTS FOR 1/2" & 3/4" CONDUIT FITTINGS.
- GENERATOR MUST BE GROUNDED.
- 12 VOLT NEGATIVE GROUND SYSTEM.
- OPTIONAL REMOTE EMERGENCY STOP SHIPPED LOOSE WITH GENERATOR.
- MAIN LINE CIRCUIT BREAKER (MLCB), AC LOAD LEAD CONNECTION AND AUXILIARY 120/240V CONNECTION.
- LEVEL 2A SOUND ATTENUATED ENCLOSURE STANDARD WITH GENERATOR.
- DOORS MUST BE ABLE TO OPEN 90 DEG. TO BE REMOVED. DOORS ARE LOCATED ON THE LEFT SIDE OF THE GENERATOR ONLY.
- 'A' IS THE STUB UP AREA FOR THE MLCB AND NEUTRAL CONNECTION.
- SEE DRAWING 0C3850 FOR DUCT REMOVAL. REMOVAL OF FRONT DUCT WILL PROVIDE ACCESS TO MUFFLER.
- 120VAC ENGINE BLOCK HEATER.
- MUST ALLOW FREE FLOW OF DISCHARGE AIR AND EXHAUST. SEE SPEC SHEET FOR MINIMUM AIR FLOW AND MAXIMUM RESTRICTION REQUIREMENTS.
- MUST ALLOW FREE FLOW OF INTAKE AIR. SEE SPEC SHEET FOR MINIMUM AIR FLOW AND MAXIMUM RESTRICTION REQUIREMENTS.
- IT IS THE RESPONSIBILITY OF THE INSTALLATION TECHNICIAN TO ENSURE THAT THE GENERATOR INSTALLATION COMPLIES WITH ALL APPLICABLE CODES, STANDARDS, AND REGULATIONS.
- ENGINE SERVICE CONNECTIONS:  
FUEL INLET NG/LPV = 1-1/4" NPT COUPLING  
FUEL INLET LPL = 1/4" NPT COUPLING

WEIGHT DATA (INCLUDES WOODEN SHIPPING SKID)  
STEEL ENCLOSED GENERATOR- TO BE DETERMINED

UNITS: mm [INCHES]

GENERATOR DETAIL 1  
NOT TO SCALE

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**SITE NAME: ELLSWORTH\_ ST.LUKE'S CHURCH**  
**SITE NUMBER: 10138155\_4126**

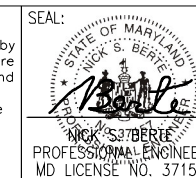
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SILVER SPRING, MD 20910



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