

FRANKLIN COUNTY
PETITION/APPLICATION FOR SPECIAL USE PERMIT
(Type or Print)

I/We, Linda E. Clark, as Owner(s), Contract Purchasers, or Owner's Authorized Agent of the property described below, hereby apply to the Franklin County Board of Supervisors for a special use permit on the property as described below:

1. Petitioners Name: APEX Towers, LLC
2. Property Owner's Name: Linda E. Clark
Phone Number: 540-576-1019
Address: 300 Kay Fork Road
Union Hall, VA Zip: 24176
3. Exact Directions to Property from Rocky Mount: Take Tanyard Rd.(VA-40) 13.27 miles to Kay Ford Rd
Go .33 miles and the site is on the right
4. Tax Map and Parcel Number: 066.000 7101
5. Magisterial District: Union Hall
6. Property Information:
 - A. Size of Property: 13.522 acres
 - B. Existing Zoning: A1
 - C. Existing Land Use: Agricultural
 - D. Is property located within any of the following overlay zoning districts:
Corridor District Westlake Overlay District Smith Mountain Lake Surface District
 - E. Is any land submerged under water or part of a lake? Yes No If yes, explain.
7. Proposed Special Use Permit Information:
 - A. Proposed Land Use: Construction of a Communications Tower
 - B. Size of Proposed Use: 100 x 100
 - C. Other Details of Proposed Use:

Checklist for completed items:

- Application Form
- Letter of Application
- Concept Plan
- Application Fee

I certify that this application for a special use permit and the information submitted herein is correct and accurate.

Petitioner's Name (Print): APEX Towers, LLC/Dale Hill

Signature of Petitioner: _____

Date: 8/21/2017

Mailing Address: 548 East Riverside Drive, Suite D
North Tazewell, VA 24630

Telephone: 276-964-7416

Owner's consent, if petitioner is not property owner:

Owner's Name (Print): Linda E. Clark

Signature of Owner: Linda E. Clark Weddell

Date: 8/25/2017

Date Received by Planning Staff: _____

Time: _____

Clerk's Initials: _____

CHECK #: _____

RECPT. #: _____

AMOUNT: _____

March 30, 2018

Steve Sandy, Director
Planning & Community Development
1255 Franklin Street
Suite 103
Rocky Mount, VA 24151

Re: Proposed Apex Towers, Union Hall Project
195' Self Supporting Tower

Dear Mr. Sandy,

The purpose of this letter is to provide information in support of the above referenced project. This site is being proposed by Apex Towers, LLC for utilization initially by Shentel Wireless in order to provide improved communication service to the citizens and visitors of Franklin County. Specifically, this site will improve the communication services within the Glade Hill/Union Hall area.

The position and height proposed for the structure are extremely important in the network design as it will provide coverage and connections to existing area sites. The proposed facility will be an integral part of the Shentel network in Franklin County and provide mobile communication services to customers, individuals, businesses and government agencies. The requested height of 195' is necessary because wireless is a "line of site" technology and due to the topography and the general geographical area. This height shall assist in providing wireless technologies for this site to allow continuous and seamless communication between the handheld and the site whether the user is located close or at the edge of the site's serving area.

In building this network, Shentel first looked to co-locate on existing structures or towers within the required area. Shentel strongly emphasizes on co-location for two reasons 1.) It is the desire of most local governments, and 2.) It is typically cheaper than building a new site. For this search ring, Shentel could not locate an existing structure whose height, location and structural capacity were capable of meeting the Shentel network design criteria.

Since there were no suitable structures available the only viable option was to construct the proposed communications structure in compliance with all applicable Federal, State and County ordinances, codes and regulations which govern wireless communications facilities. Apex Towers, LLC will maintain the tower and equipment in a safe manner. Should you have any questions, please feel free to contact me.

Respectfully,



Craig Clifton, Senior Vice President
Apex Towers, LLC
cclifton@apex-towers.com
(276)963-1818

March 30, 2018

Steve Sandy, Director
Planning & Community Development
1255 Franklin Street
Suite 103
Rocky Mount, VA 24151

Re: Proposed Apex Towers, LLC – Union Hall Project – colocation policy as it pertains to Franklin County, VA

Dear Mr. Sandy:

As a regional provider of telecommunication infrastructure, Apex Towers, LLC welcomes and actively seeks co-locators/tenants on towers we own and manage. We have staff whose primary function is to market and promote our structures to a wide variety of telecommunication companies at fair and competitive rates. Apex Towers, LLC will also promote the use of our structures to public sector users as well. While we are a small company, most wireless carriers are aware of our presence in the marketplace and seek our involvement when developing their networks in the southeast region. Our sites are well maintained, with attention paid to keeping the facilities debris and weed free. Our operation technicians are responsible for visiting each site regularly, and assuring they are well maintained.

In attempt to be a good corporate citizen and contribute to the well-being of the community, **Apex Towers, LLC agrees to allow Franklin County, Virginia to place its communication equipment on the proposed structure free of charge to the County.** Apex Towers, LLC only request is the County work closely with Apex to determine a mutually beneficial location on our structure.

Should you need any additional information or clarification regarding this request, please feel free to contact me at (276)963-1818.

Respectfully,



Craig N. Clifton, Senior VP/Apex Towers, LLC

March 30, 2018

Steve Sandy, Director
Planning & Community Development
1255 Franklin Street
Suite 103
Rocky Mount, VA 24151

Re: Proposed Apex Towers, LLC – Union Hall Project
195' Self Supporting Tower

Dear Ms. Sandy,

While we have not had to remove any of our structures which have been constructed, we have however investigated the matter and have been provided information and cost estimates to remove abandoned structures. The results of these findings are an approximate cost of \$30K to remove a structure from a property. We therefore agree to adhere to the County's ordinance on abandon structures and agree should the before mentioned structure remain vacant for a period of 12 months it shall be removed within 90 days and the footings and items associated with the said structure be removed to a level of 18" below the surface of the site and restored to a like condition as was prior to placement.

Should you require and additional information or clarification regarding this letter, please feel free to contact me at (276)963-1818.

Respectfully,



Craig N. Clifton, Senior VP/Apex Towers, LLC



Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2017-AEA-7876-OE

Issued Date: 08/15/2017

David McClure
Apex Towers, LLC
125 Whitestick Road
125
BECKLEY, WV 25801

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Antenna Tower Union Hall 2
Location: Union Hall, VA
Latitude: 36-59-47.32N NAD 83
Longitude: 79-40-23.07W
Heights: 952 feet site elevation (SE)
199 feet above ground level (AGL)
1151 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part 1)
 Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

See attachment for additional condition(s) or information.

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 L Change 1.

This determination expires on 02/15/2019 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within

Additional information for ASN 2017-AEA-7876-OE

Frequencies being used in the band 21.2GHz to 23.6GHz.

Frequency (MHz)	Power (dBm)	Bandwidth (MHz)	Modulation	Notes
21200	30	10	QPSK	
21210	30	10	QPSK	
21220	30	10	QPSK	
21230	30	10	QPSK	
21240	30	10	QPSK	
21250	30	10	QPSK	
21260	30	10	QPSK	
21270	30	10	QPSK	
21280	30	10	QPSK	
21290	30	10	QPSK	
21300	30	10	QPSK	
21310	30	10	QPSK	
21320	30	10	QPSK	
21330	30	10	QPSK	
21340	30	10	QPSK	
21350	30	10	QPSK	
21360	30	10	QPSK	
21370	30	10	QPSK	
21380	30	10	QPSK	
21390	30	10	QPSK	
21400	30	10	QPSK	
21410	30	10	QPSK	
21420	30	10	QPSK	
21430	30	10	QPSK	
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21450	30	10	QPSK	
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21470	30	10	QPSK	
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21490	30	10	QPSK	
21500	30	10	QPSK	
21510	30	10	QPSK	
21520	30	10	QPSK	
21530	30	10	QPSK	
21540	30	10	QPSK	
21550	30	10	QPSK	
21560	30	10	QPSK	
21570	30	10	QPSK	
21580	30	10	QPSK	
21590	30	10	QPSK	
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21680	30	10	QPSK	
21690	30	10	QPSK	
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21820	30	10	QPSK	
21830	30	10	QPSK	
21840	30	10	QPSK	
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21870	30	10	QPSK	
21880	30	10	QPSK	
21890	30	10	QPSK	
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21910	30	10	QPSK	
21920	30	10	QPSK	
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21940	30	10	QPSK	
21950	30	10	QPSK	
21960	30	10	QPSK	
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21990	30	10	QPSK	
22000	30	10	QPSK	
22010	30	10	QPSK	
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22060	30	10	QPSK	
22070	30	10	QPSK	
22080	30	10	QPSK	
22090	30	10	QPSK	
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22110	30	10	QPSK	
22120	30	10	QPSK	
22130	30	10	QPSK	
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23560	30	10	QPSK	
23570	30	10	QPSK	
23580	30	10	QPSK	
23590	30	10	QPSK	
23600	30	10	QPSK	



SHENANDOAH PERSONAL COMMUNICATIONS, LLC

**APEX TOWERS SITE NAME: UNION HALL
APEX TOWERS SITE NUMBER: VAF-LUN02
SHENTEL SITE NUMBER: 671775**

300 KAY FORK ROAD
UNION HALL, VA 24176
FRANKLIN COUNTY

PROJECT NARRATIVE
APEX TOWERS PLANS TO BUILD A NEW WIRELESS TELECOMMUNICATIONS FACILITY WHICH WILL INCLUDE A NEW SELF-SUPPORT TOWER, FENCED COMPOUND, AND ACCESS ROAD AS DEFINED ON THIS PLAN SET. SHENTEL WILL BE THE ANCHOR TENANT AND THEY WILL OCCUPY THE TOP POSITION ON THE TOWER AND INSTALL AN EQUIPMENT PLATFORM AT GROUND LEVEL PER THESE PLANS. THE TOWER WILL BE DESIGNED WITH AVAILABLE SPACE ON THE TOWER AND GROUND FOR (3) ADDITIONAL FUTURE TENANTS / COLOCATORS. THE PROPOSED TOWER AND FENCED COMPOUND WILL NOT BE LOCATED INSIDE EXISTING WETLANDS OR RIPARIAN BUFFERS.

SITE INFORMATION

SITE ADDRESS	300 KAY FORK ROAD UNION HALL, VA 24176
LATITUDE (NAD 83)	N 36° 59' 47.322"
LONGITUDE (NAD 83)	W 79° 40' 23.072"
GROUND ELEVATION	951.8' (AMSL) NAVD, 1988
JURISDICTION	FRANKLIN COUNTY
ZONING	A-1
PARCEL ID	0660007101
PARCEL AREA	13.522 ACRES
CURRENT USE	HOME SITE / RURAL OPEN LAND
PROPOSED IMPERVIOUS AREA	11,100 SQ. FT.
PARCEL OWNER	LINDA E. CLARK 300 KAY FORK ROAD UNION HALL, VA 24176
TOWER OWNER	APEX TOWERS 548 EAST RIVERSIDE DRIVE, SUITE D NORTH TAZEWELL, VA 24630
STRUCTURE TYPE	SELF-SUPPORT TOWER
CLASSIFICATION GROUP	U
CONSTRUCTION TYPE	2B
STRUCTURE HEIGHT	195' 0" (AGL)
OVERALL HEIGHT	199' 0" (AGL)
POWER PROVIDER	AEP CO BRIAN D. LEICK ENGINEER, TECHNICIAN SENIOR PHONE: (540) 528-2115 WORK ORDER # OPS-020583098
TELCO PROVIDER	TBD

EMERGENCY INFORMATION:

GLADE HILL VOLUNTEER FIRE DEPARTMENT (540) 576-3744
FRANKLIN COUNTY SHERIFF'S OFFICE (540) 483-3000

APPLICANT

APPLICANT: CRAIG CLIFTON
APEX TOWERS
548 EAST RIVERSIDE DRIVE, SUITE D
NORTH TAZEWELL, VA 24630
(276) 963-1818

VICINITY MAP



CODE COMPLIANCE

- ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING CODES:
- 2012 INTERNATIONAL BUILDING CODE
 - 2011 NATIONAL ELECTRICAL CODE
 - 2009 NFPA 101, LIFE SAFETY CODE
 - 2009 IFC
 - AMERICAN CONCRETE INSTITUTE
 - AMERICAN INSTITUTE OF STEEL CONSTRUCTION
 - MANUAL OF STEEL CONSTRUCTION 13TH EDITION
 - ANSIT/IA-222-G
 - TIA 807
 - INSTITUTE FOR ELECTRICAL & ELECTRONICS ENGINEER 81
 - IEEE C2 NATIONAL ELECTRIC SAFETY CODE LATEST EDITION
 - TELECORDIA GR-1275
 - ANSIT/ 311

DRAWING INDEX

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PROJECT TEAM

ENGINEERING FIRM	TRENT T. SWARR, P.E. NB+C ENGINEERING SERVICES, LLC 4435 WATERFRONT DRIVE, SUITE 100 GLEN ALLEN, VA 23060 (804) 548-4079
ZONING	DALE HILL APEX TOWERS 548 EAST RIVERSIDE DRIVE, SUITE D NORTH TAZEWELL, VA 24630 (276) 964-7416
CONSTRUCTION MANAGER	CRAIG CLIFTON APEX TOWERS 548 EAST RIVERSIDE DRIVE, SUITE D NORTH TAZEWELL, VA 24630 (276) 963-1818

ENGINEER	<p>TOTALLY COMMITTED.</p> <p>NB+C ENGINEERING SERVICES, LLC. 4435 WATERFRONT DRIVE, SUITE 100 GLEN ALLEN, VA 23060</p>												
APPLICANT	<p>548 EAST RIVERSIDE DR. STE. D NORTH TAZEWELL, VA 24630 (276) 963-1818</p>												
SITE INFORMATION	<p>APEX SITE NAME: UNION HALL APEX SITE ID: VAF-LUN02</p> <p>SHENTEL SITE NAME: KAYFORK SHENTEL SITE ID: 671775</p> <p>NB+C PROJ. # 26604 300 KAY FORK ROAD UNION HALL, VA 24176 FRANKLIN COUNTY</p>												
DESIGN RECORD	<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>ISSUED</td> <td>REVISED</td> <td>GP</td> </tr> <tr> <td>A</td> <td>DESIGN</td> <td>PRELIMINARY</td> <td>AI</td> </tr> </tbody> </table>	REV	DATE	DESCRIPTION	BY	B	ISSUED	REVISED	GP	A	DESIGN	PRELIMINARY	AI
REV	DATE	DESCRIPTION	BY										
B	ISSUED	REVISED	GP										
A	DESIGN	PRELIMINARY	AI										
PROFESSIONAL STAMP	<p>PRELIMINARY (NOT FOR CONSTRUCTION)</p>												
ENGINEER	<p>TRENT T. SWARR, P.E. VA PROFESSIONAL ENGINEER, LIC. #49878</p>												
SHEET TITLE	TITLE SHEET												
SHEET NUMBER	T-1												



NOTE:
 1. TOWER WILL HAVE A DULL GALVANIZED FINISH AND WILL NOT BE PAINTED.
 2. NO LIGHTING WILL BE LOCATED ON THE TOWER OR AT TOWER SITE

PARCEL ID #0660002000
 OWNER: JAMES R. DUDLEY
 AREA: 29.10 ACRES
 ZONING: A-1

PARCEL ID #0660007101A
 OWNER: WALTER L. CLARK & LINDA E. CLARK
 AREA: 5.151 ACRES
 ZONING: A-1

PARCEL ID #0660007101
 OWNER: LINDA E. CLARK
 AREA: 11.322 ACRES
 ZONING: A-1

PARCEL ID #0660007103A
 OWNER: SANDRA PAINTER & MARGY WOOD (JOINTOWNCH)
 AREA: 28.18 ACRES
 ZONING: A-1

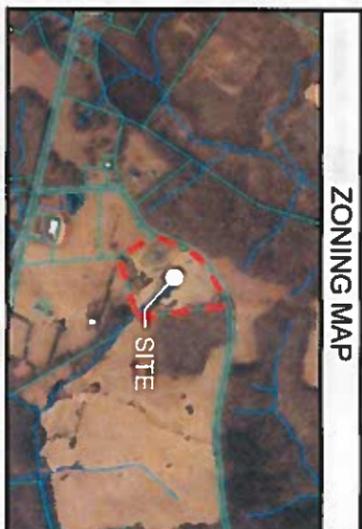
PARCEL ID #0660007200
 OWNER: JOHN W. WUSHKO & REBECCA SMITH
 AREA: 120.0 ACRES
 ZONING: A-1



1 SITE PLAN
 SCALE 1" = 120'-0"



<p>ENGINEER</p> <p>NE+C TOTALLY COMMITTED. NE+C ENGINEERING SERVICES, LLC. <small>424 WESTPORT DRIVE, SUITE 100 DUBLIN, VA 22028</small></p>	<p>APPLICANT</p> <p>Apex Towers</p> <p>548 EAST RIVERSIDE DR. STE. D NORTH TAZEWELL, VA 24630 (276) 963-1818</p>	<p>SITE INFORMATION</p> <p>APEX SITE NAME: UNION HALL APEX SITE ID: VAF-LUN02</p> <p>SHENTEL SITE NAME: KAYFORK SHENTEL SITE ID: 67175</p> <p>NB+C PROJ. # 26604 300 KAY FORK ROAD UNION HALL, VA 24176 FRANKLIN COUNTY</p>	<p>DESIGN RECORD</p> <table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> <th>OR</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>08/07/17</td> <td>REVISED</td> <td></td> <td>AI</td> </tr> <tr> <td>A</td> <td>08/07/17</td> <td>PRELIMINARY</td> <td></td> <td>AI</td> </tr> </tbody> </table>	REV	DATE	DESCRIPTION	BY	OR	B	08/07/17	REVISED		AI	A	08/07/17	PRELIMINARY		AI	<p>PROFESSIONAL STAMP</p> <p style="text-align: center; color: red; font-weight: bold; font-size: 2em;">PRELIMINARY (NOT FOR CONSTRUCTION)</p>	<p>ENGINEER</p> <p>TRENT T. SMARR, P.E. VA PROFESSIONAL ENGINEER LIC. #49978</p>	<p>SHEET NUMBER</p> <p style="font-size: 3em; font-weight: bold;">Z-1</p>
REV	DATE	DESCRIPTION	BY	OR																	
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A	08/07/17	PRELIMINARY		AI																	



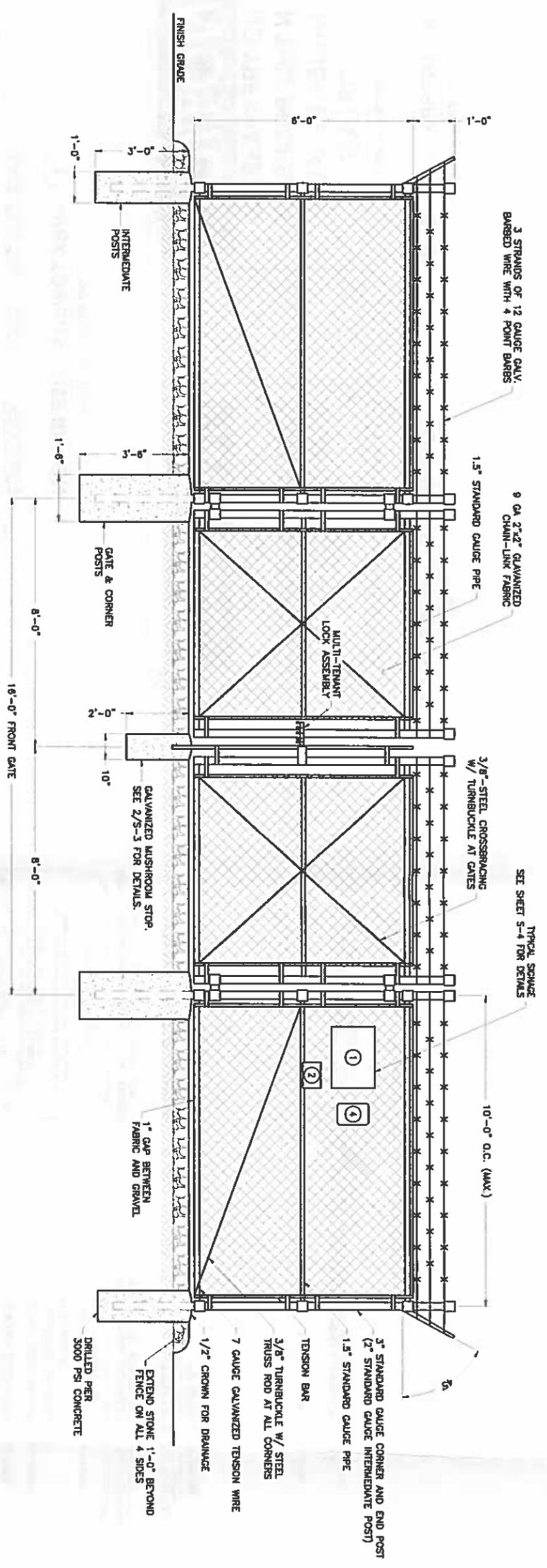
ZONING INFORMATION

JURISDICTION:	FRANKLIN COUNTY
Zoning:	A-1
DISTRICT:	Proposed 4
FRONT YARD SETBACK:	167.5
SIDE YARD SETBACK:	245.0
REAR YARD SETBACK:	698.8
NEAREST RESIDENTIAL STRUCTURE:	519.8
LOT AREA:	13,500 ± ACRES
(ALL DIMENSIONS ARE IN FEET ± UNLESS OTHERWISE NOTED)	

LEGEND

	PROPERTY LINE - SUBJECT PARCEL
	PROPERTY LINE - ADJACENTS
	EXISTING ROAD
	PROPOSED ROAD
	PROPOSED FACILITY
	PROPOSED LEASE AREA
	EXISTING EASEMENT
	PROPOSED FENCE

- GENERAL NOTES**
1. THIS PLAN IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
 2. NO SIGNIFICANT NOISE, SMOKE, DUST, OR ODOR WILL RESULT FROM THIS FACILITY.
 3. THE FACILITY IS UNMANNED AND NOT INTENDED FOR HUMAN HABITATION. THERE IS NO HANDICAP ACCESS REQUIRED.
 4. THE FACILITY IS UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SANITARY SERVICE.
 5. FOR SURVEY INFORMATION, SEE "BLUE ROSS SURVEYING & MAPPING, INC." SITE NAME "UNION HALL" DATED 08/04/17.
 6. REFER TO SURVEY DOCUMENT ON SHEET C-2 FOR ALL LEASED AREA ACCESS & UTILITY EASEMENT AND PROPERTY BOUNDARY INFORMATION.
 7. ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), THE PROPOSED TELECOMMUNICATIONS SITE IS LOCATED IN ZONE "X", COMMUNITY PANEL NO. 51067C03850, DATED 01-08-2010.

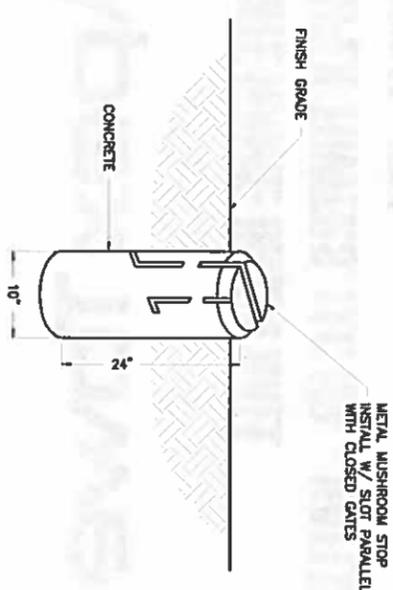


NOTE:
FENCE & GATE DETAIL FOR REFERENCE PURPOSES ONLY.
FOR ACTUAL FENCE & GATE DIMENSIONS REFER TO SHEET Z-3

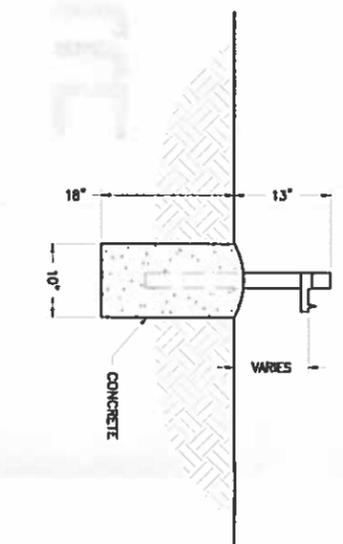
1 TYPICAL FENCE AND GATE DETAIL
S-3 NTS

NOTE:
MULTI-TENANT SECURITY LOCK, STANDARD GALVANIZED 2\"/>

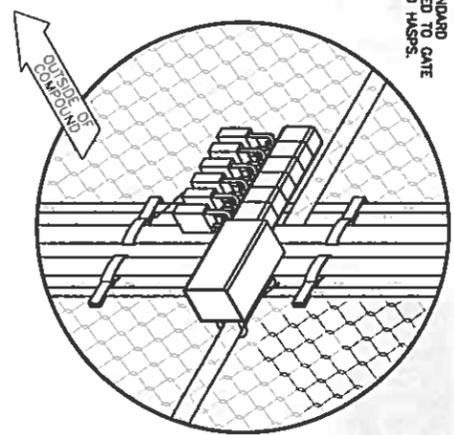
APEX TOWERS
GATE COMBO: 3908



2 MUSHROOM STOP DETAIL
S-3 NTS



3 GATE KEEPER DETAIL
S-3 NTS

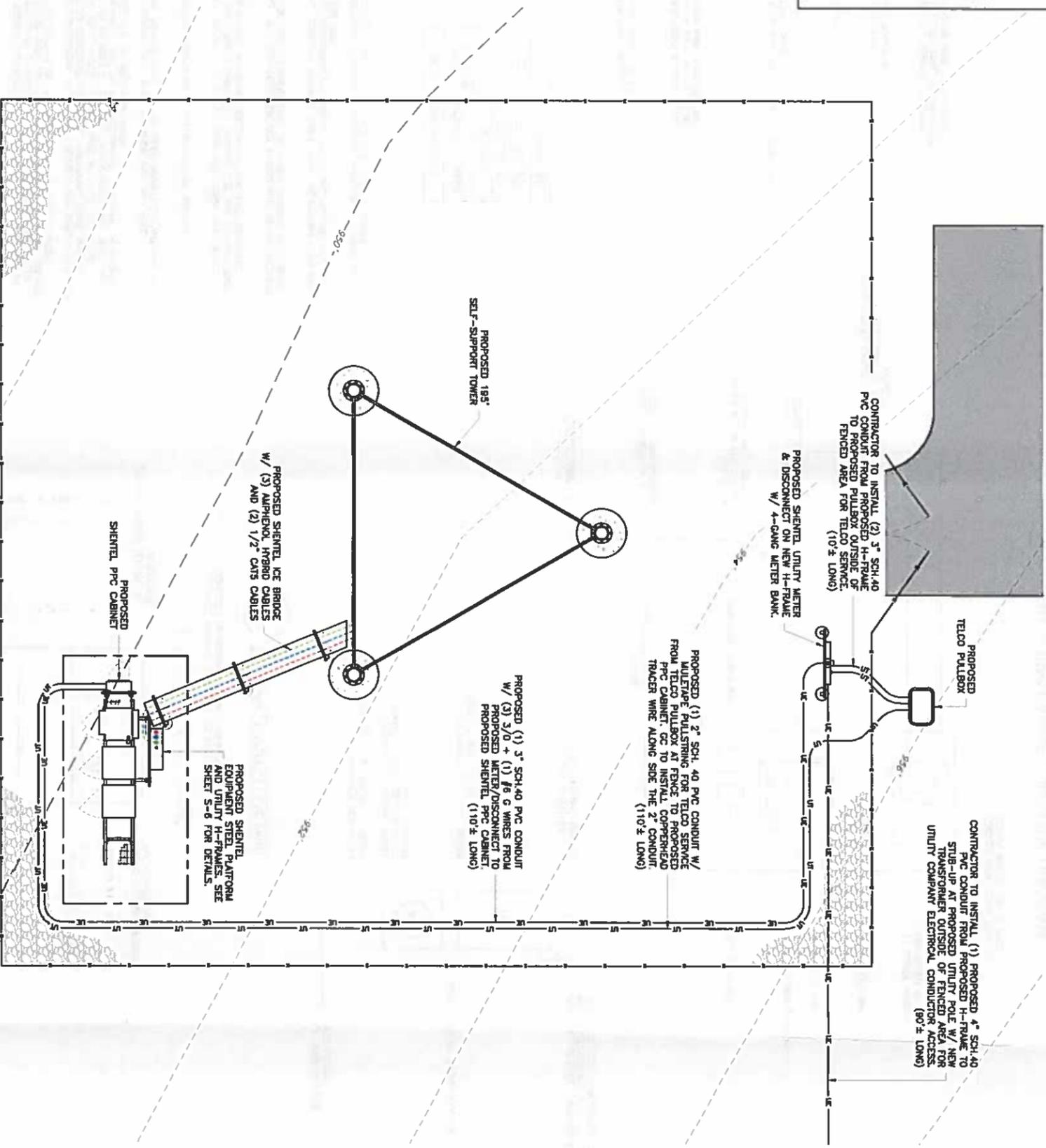


4 MULTI-LOCK DETAIL
S-3 NTS

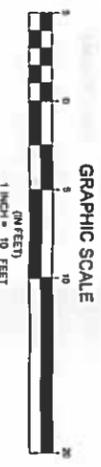
<p>ENGINEER</p> <p>TRENT T. SMARR, P.E. VA PROFESSIONAL ENGINEER LIC. #48878</p>	<p>APPLICANT</p> <p>Apex Towers</p> <p>548 EAST RIVERSIDE DR. STE. D NORTH TAZEWELL, VA 24630 (276) 963-1818</p>	<p>SITE INFORMATION</p> <p>APEX SITE NAME: UNION HALL APEX SITE ID: VAFUN02</p> <p>SHENTEL SITE NAME: KAYFORK SHENTEL SITE ID: 67175</p> <p>NB+C PROJ. # 26604 300 KAY FORK ROAD UNION HALL, VA 24176 FRANKLIN COUNTY</p>	<p>DESIGN RECORD</p> <table border="1"> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> <tr> <td>B</td> <td>08/01/17</td> <td>REVISED</td> <td>GP</td> </tr> <tr> <td>A</td> <td>08/01/17</td> <td>PRELIMINARY</td> <td>NI</td> </tr> </table>	REV	DATE	DESCRIPTION	BY	B	08/01/17	REVISED	GP	A	08/01/17	PRELIMINARY	NI	<p>PROFESSIONAL STAMP</p> <p>PRELIMINARY (NOT FOR CONSTRUCTION)</p>	<p>SHEET TITLE</p> <p>FENCE DETAILS</p>	<p>SHEET NUMBER</p> <p>S-3</p>
REV	DATE	DESCRIPTION	BY															
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- NOTES:
1. CONTRACTOR TO CONFIRM EXACT POWER AND TELCO DEMARCATION POINTS WITH UTILITY COORDINATOR AND/OR UTILITY COMPANY PRIOR TO CONSTRUCTION OF CONDUITS, POWER AND TELEPHONE CONDUIT SHALL BE PROVIDED AND INSTALLED PER UTILITY REQUIREMENTS.
 2. FOR COMPLETE CARRIER INTERNAL WIRING AND ARRANGEMENT, REFER TO DRAWINGS PROVIDED BY PANEL MANUFACTURER.
 3. THE CONTRACTOR SHALL INSTALL SUFFICIENT LENGTHS OF CONDUIT INCLUDING ALL CONDUIT FITTINGS (JUNTS, REDUCING BUSINGS, ELBOWS, COUPLINGS, ETC.) NECESSARY FOR CONNECTING FROM CONDUIT TO THE INTERIOR OF THE BTS CABINET.
 4. THE CONTRACTOR SHALL PROVIDE ELECTRICAL SERVICE EQUIPMENT WITH FAULT CURRENT RATINGS GREATER THAN THE AVAILABLE FAULT CURRENT FROM THE POWER UTILITY.
 5. AT THE END OF THE CONDUIT, CUT COIL AND TAPE A 10' FOOT PIGTAIL FOR TERMINATING BY BTS EQUIPMENT MANUFACTURER.
 6. THE CONTRACTOR SHALL VERIFY THAT THE MAIN BONDING JUMPER AND GROUNDING ELECTRODE CONDUCTOR IS INSTALLED PROPERLY WHEN PANEL SERVICE ENTRANCE EQUIPMENT IS INSTALLED.
 7. THE CONTRACTOR SHALL VERIFY THAT THE ALL ELECTRICAL INSTALLATION CONFORMS TO THE CURRENT NATIONAL CODE.

POWER UTILITY SERVICE CONTACT:
 * AEP CO
 BRANT D. LEICK
 ENGINEER/TECHNICIAN SENIOR
 PHONE: (540) 529-2115
 WORK ORDER # OPS-020583098

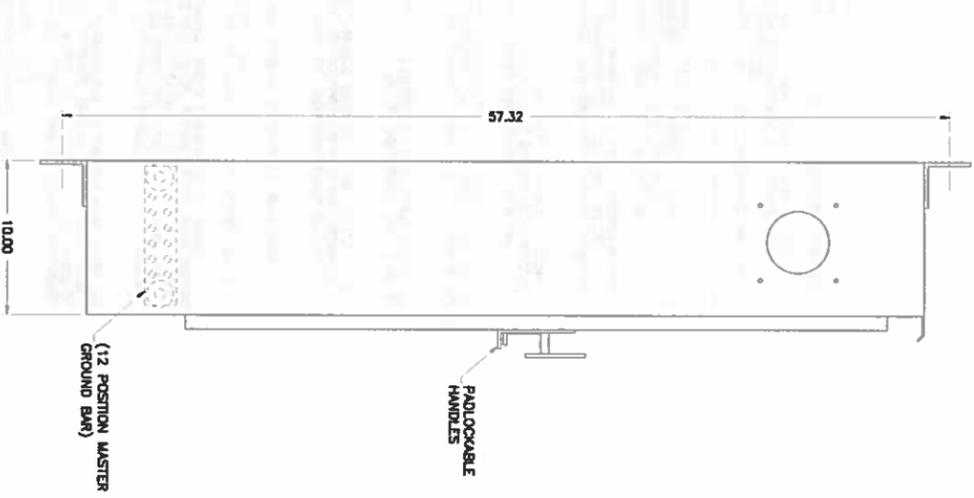


1 COMPOUND ELECTRICAL PLAN
 SCALE: 1" = 10'

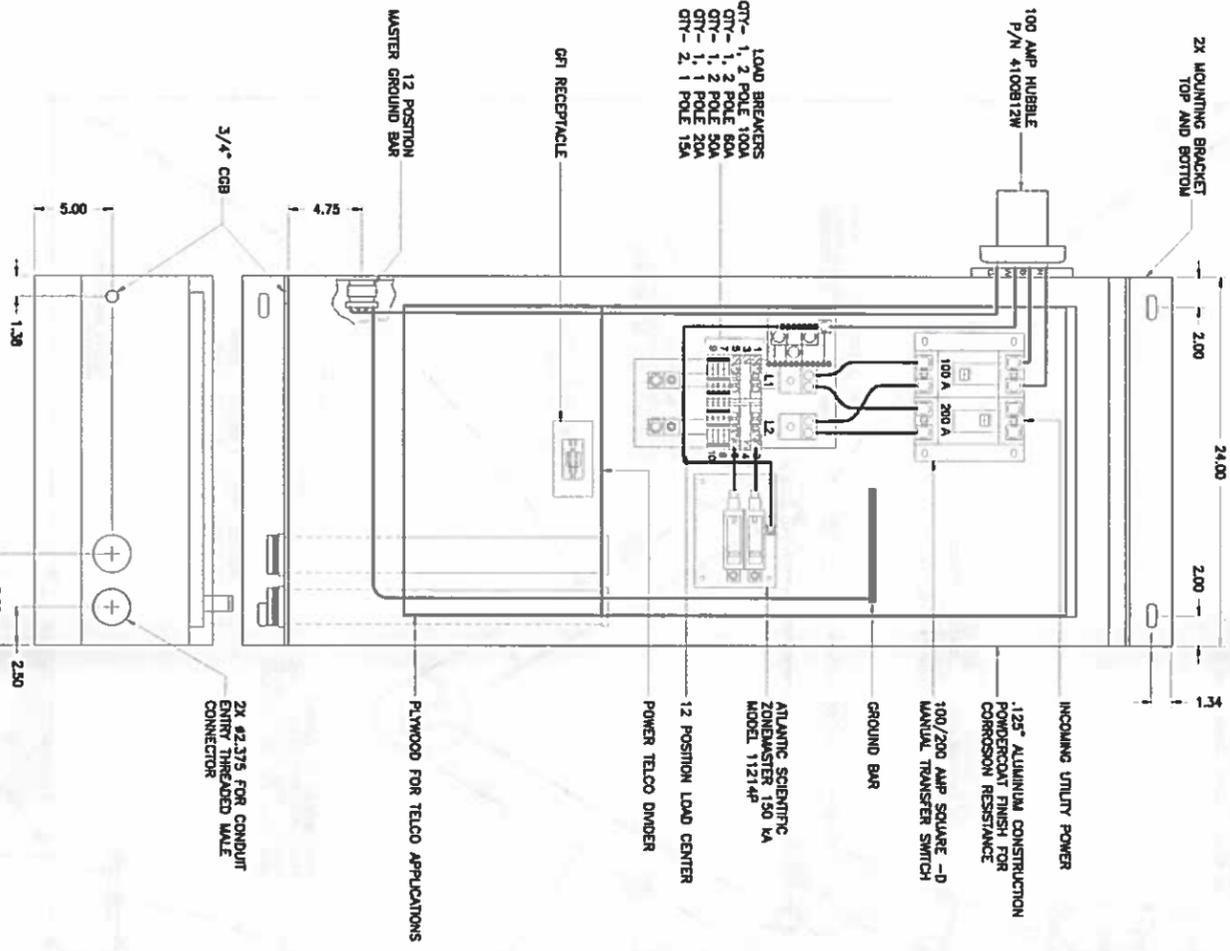


SHEET NUMBER	SHEET TITLE	ENGINEER	PROFESSIONAL STAMP	DESIGN RECORD	SITE INFORMATION	APPLICANT	ENGINEER												
E-2	COMPOUND ELECTRICAL PLAN	TRENT T. SWARR, P.E. VA PROFESSIONAL ENGINEER LIC. #48978	PRELIMINARY (NOT FOR CONSTRUCTION)	<table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>09/18/17</td> <td>REVISED</td> <td>OP</td> </tr> <tr> <td>A</td> <td>09/18/17</td> <td>PRELIMINARY</td> <td>AI</td> </tr> </tbody> </table>	REV	DATE	DESCRIPTION	BY	B	09/18/17	REVISED	OP	A	09/18/17	PRELIMINARY	AI	APEX SITE NAME: UNION HALL APEX SITE ID: VAF/LUN02 SHENTEL SITE NAME: KAYFORK SHENTEL SITE ID: 67175 NB+C PROJ. # 26604 300 KAY FORK ROAD UNION HALL, VA 24176 FRANKLIN COUNTY	 548 EAST RIVERSIDE DR, STE. D NORTH TAZEWELL, VA 24630 (276) 963-1818	 NB+C ENGINEERING SERVICES, LLC. 1520 W. HUNTER DRIVE, SUITE 100 CHARLOTTE, NC 28203
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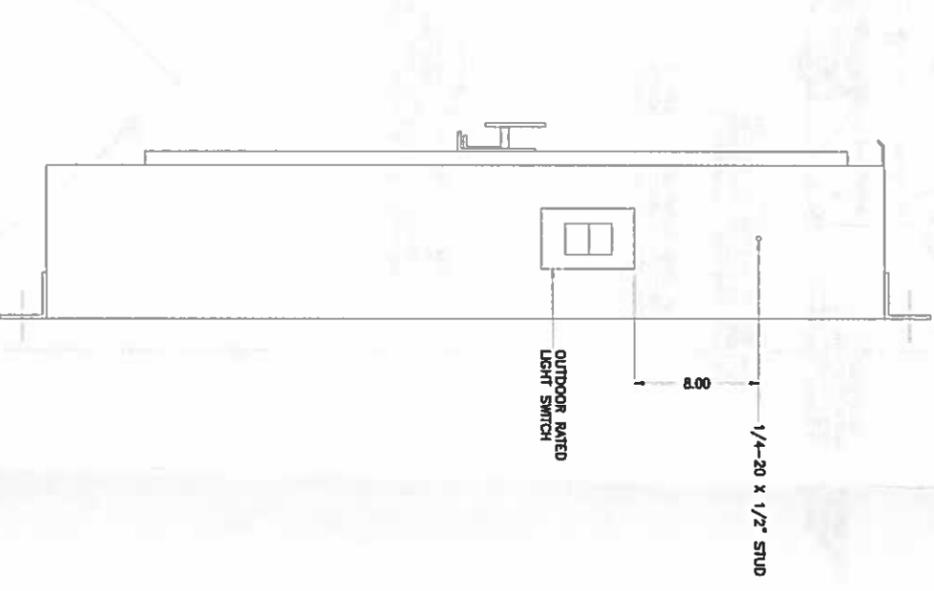
NOTE:
 DRAWING PROVIDED FOR GENERAL ILLUSTRATIVE PURPOSES ONLY.
 PPC CABINET AS PER MANUFACTURER'S SPECIFICATIONS BASED
 ON ELECTRICAL REQUIREMENT FOR THE PROJECT.



1
E-4
NTS
PPC CABINET - LEFT SIDE VIEW

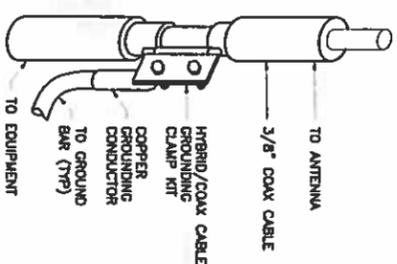


2
E-4
NTS
PPC CABINET - FRONT SIDE VIEW

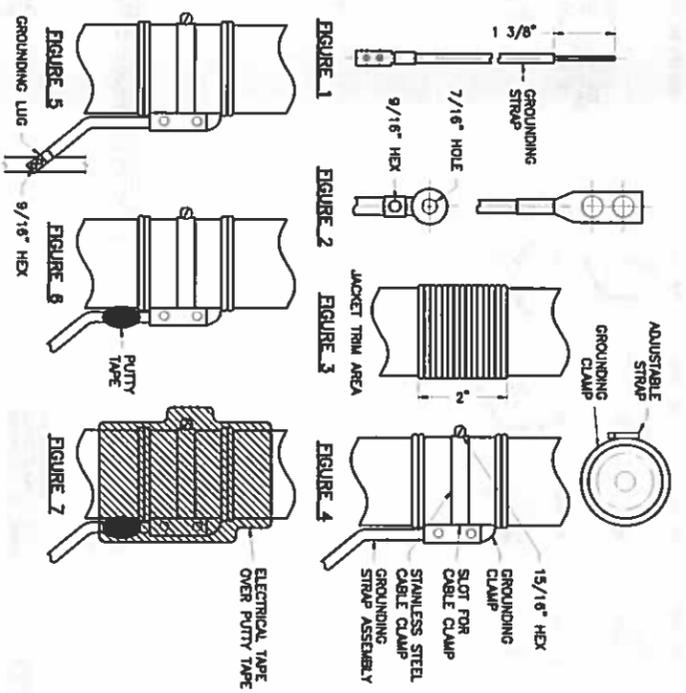


3
E-4
NTS
PPC CABINET - RIGHT SIDE VIEW

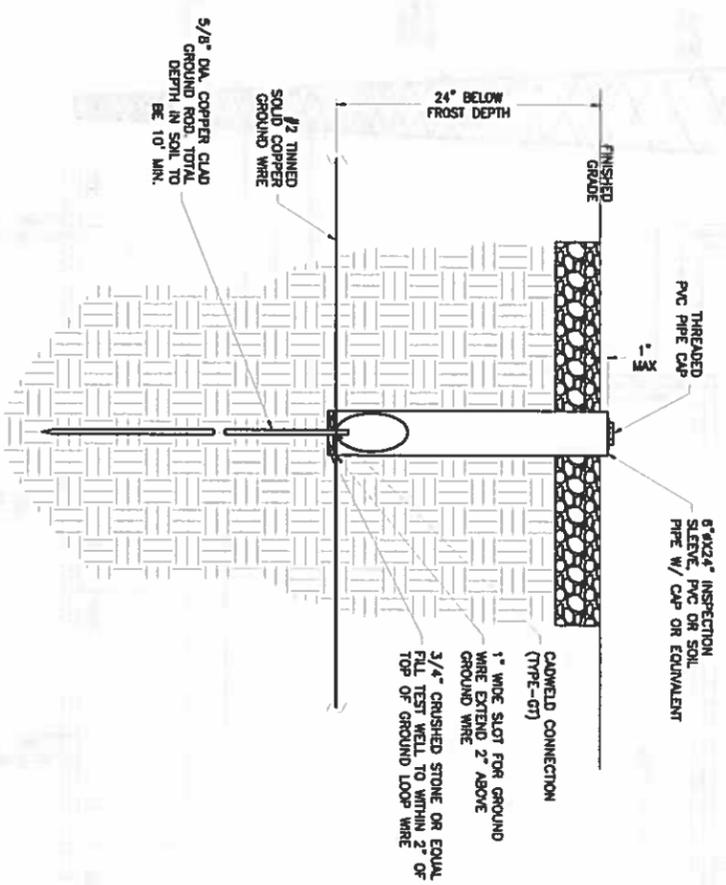
<p>ENGINEER</p>  <p>NEC ENGINEERING SERVICES, LLC. <small>420 WEST HAZEL AVENUE, SUITE 100 FAYETTEVILLE, VA 24404</small></p>	<p>APPLICANT</p>  <p>548 EAST RIVERSIDE DR. STE. D NORTH TAZEWELL, VA 24630 (276) 963-1818</p>	<p>SITE INFORMATION</p> <p>APEX SITE NAME: UNION HALL APEX SITE ID: VAFUN02</p> <p>SHENTEL SITE NAME: KAYFORK SHENTEL SITE ID: 67175</p> <p>NB+C PROJ # 26604 300 KAY FORK ROAD UNION HALL, VA 24176 FRANKLIN COUNTY</p>	<p>DESIGN RECORD</p> <table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>08/18/17</td> <td>REVISED</td> <td>DP</td> </tr> <tr> <td>A</td> <td>08/18/17</td> <td>PRELIMINARY</td> <td>AI</td> </tr> </tbody> </table>	REV	DATE	DESCRIPTION	BY	B	08/18/17	REVISED	DP	A	08/18/17	PRELIMINARY	AI	<p>PROFESSIONAL STAMP</p> <p style="color: red; font-size: 2em; font-weight: bold; transform: rotate(-15deg);">PRELIMINARY (NOT FOR CONSTRUCTION)</p>	<p>ENGINEER</p> <p>TRENT T. SWARR, P.E. VA PROFESSIONAL ENGINEER LIC. #49978</p>	<p>SHEET TITLE</p> <p>PPC CABINET DETAILS</p>	<p>SHEET NUMBER</p> <p style="font-size: 3em; font-weight: bold;">E-4</p>
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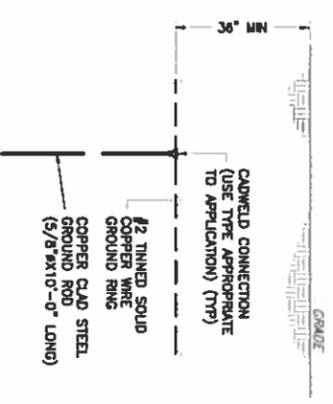
1 COAX CABLE GROUNDING DETAIL
G-2 NTS



2 TYPICAL WEATHERPROOFING DETAIL
G-2 NTS



3 INSPECTION WELL DETAIL
G-2 NTS



4 TYPICAL GROUND ROD DETAIL
G-2 NTS

NEC
TOTALLY COMMITTED.

NEC ENGINEERING SERVICES, LLC.
425 WEST HUNTER DRIVE, SUITE 100
FRANKLIN, VA 22603
(540) 371-1200

Apex Towers

548 EAST RIVERSIDE DR, STE. D
NORTH TAZEWELL, VA 24630
(276) 963-1818

APPEX SITE NAME:
UNION HALL
APPEX SITE ID: VAF-LUN02

SHENTEL SITE NAME:
KAYFORK
SHENTEL SITE ID: 67175

NB+C PROJ. # 26604
300 KAY FORK ROAD
UNION HALL, VA 24176
FRANKLIN COUNTY

DESIGN RECORD

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A	09/18/17	PRELIMINARY		AI

PROFESSIONAL STAMP

PRELIMINARY
(NOT FOR CONSTRUCTION)

ENGINEER

TRENT T. SMARR, P.E.
VA PROFESSIONAL ENGINEER LIC. #49878

SHEET TITLE

**GROUNDING
DETAILS**

SHEET NUMBER

G-2



548 EAST RIVERSIDE DR. STE. D
NORTH TAZEWELL, VA 24630
(276) 963-1818

APPEX SITE NAME:
UNION HALL
APEX SITE ID: VAFUN02

SHEMTEL SITE NAME:
KAYFORK
SHEMTEL SITE ID: 67175

NB+C PROJ. # 26604
300 KAY FORK ROAD
UNION HALL, VA 24176
FRANKLIN COUNTY

REVISIONS			
REV	DATE	DESCRIPTION	BY
B	DESIGN	REVISED	CP
A	DESIGN	PRELIMINARY	AM

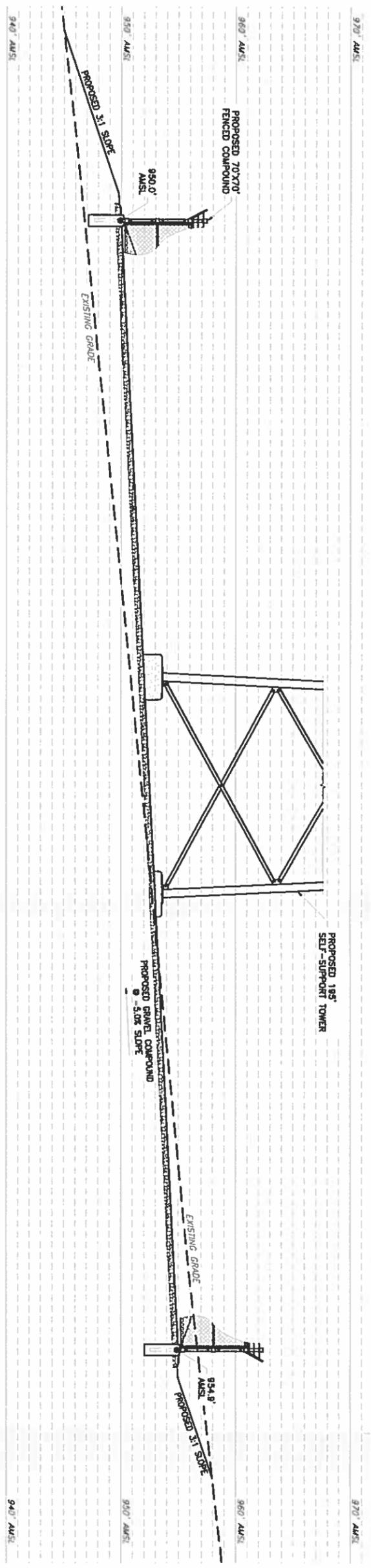
PRELIMINARY
(NOT FOR CONSTRUCTION)

TRIENT T. SWARR, P.E.
VA PROFESSIONAL ENGINEER LIC. #48978

COMPOUND
GRADING PROFILE

SHEET NUMBER
ES-1

NOTE:
CONTRACTOR IS TO FULLY COMPACT ROLL ALL SLOPES & COMPOUND.



1
ES-1
COMPOUND GRADING PROFILE
SCALE: 1" = 10'-0"

