




STANDARD PMH9-AUTOMATIC SWITCH PAD		<i>Virginia Tech Electric Service</i> BLACKSBURG, VIRGINIA
DRAWN BY: V.K. GOYAL	DATE: 08-31-92	REV. DATE: 12-09-98
Detail Sheet 1 of 2		DRAWING NAME: PMH-9 AUTO

NOTES:

- PAD THICKNESS 8" MINIMUM, ON 6" OF GRAVEL TO BE 6" ABOVE FINISH GRADE/FLOOR
- FOR TRANSFORMER PAD REINFORCEMENT USE #4 REBAR ON 12" CENTERS.
- VTES TO PROVIDE FIBERGLASS WELLS OF APPROPRIATE SIZE. WELL TO BE INSTALLED WITH TOP FLUSH WITH THE PAD.
- PROVIDE 8' CLEAR WORKING SPACE IN FRONT OF TRANSFORMER DOORS AND 2' OF ACCESS SPACE ON FRONT AND SIDES.

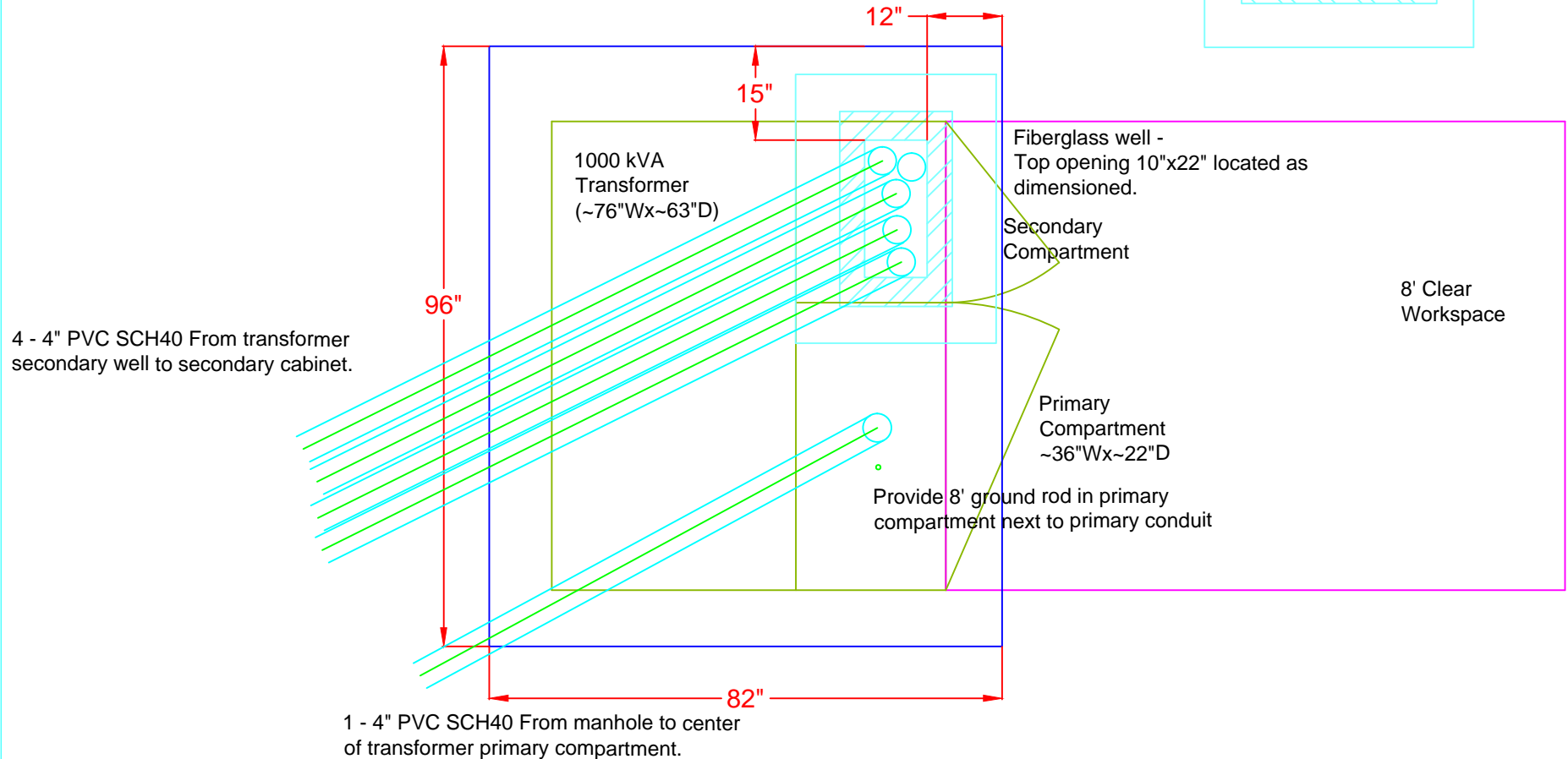
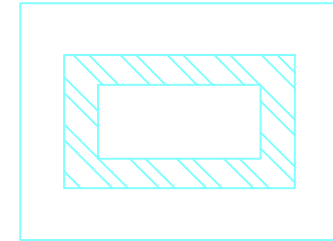
LEGEND:

- PAD / WALL / FENCE (BLUE) 
- WORKSPACE (MAGENTA) 
- EQUIPMENT (DARK GREEN) 

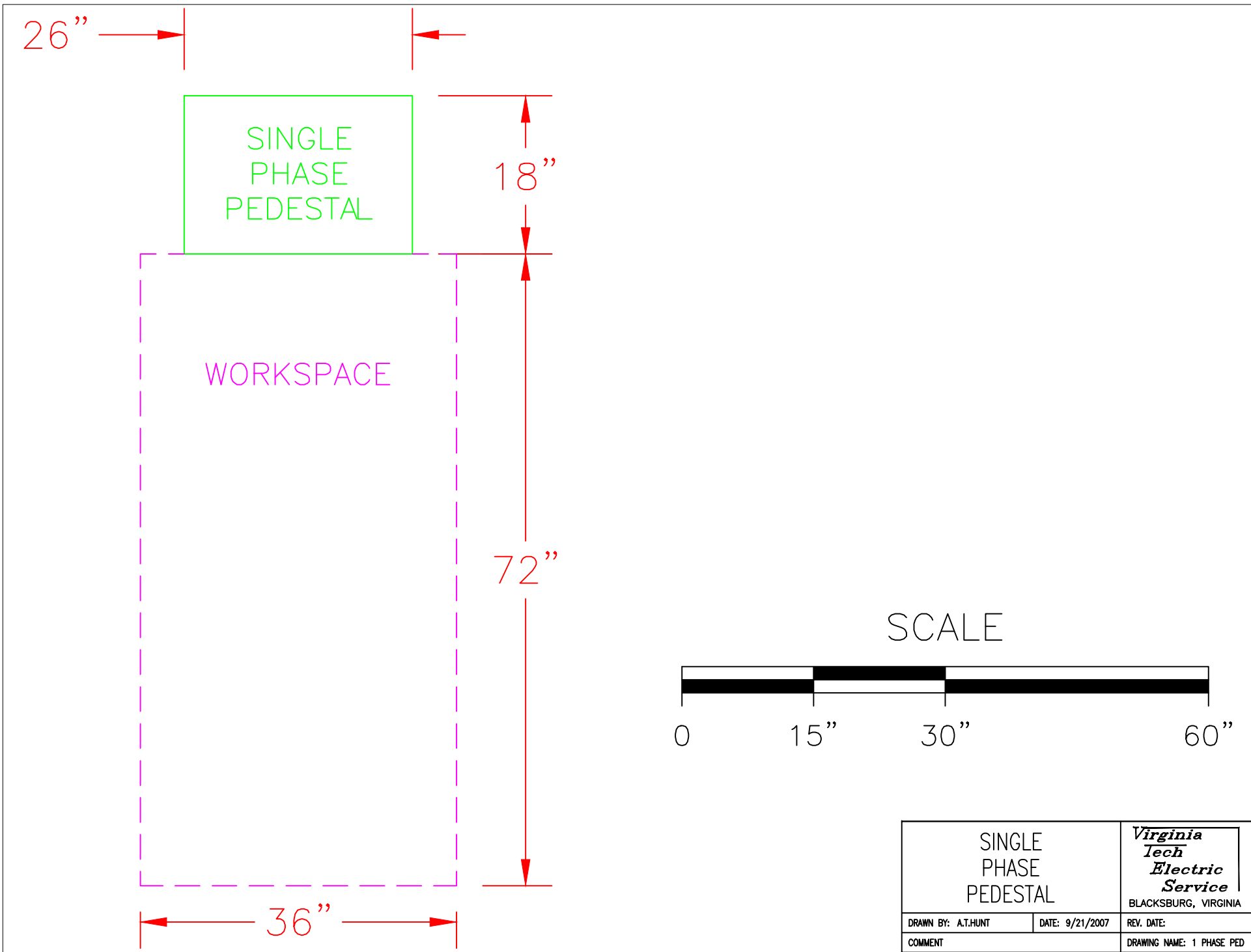
CONDUIT
(W/ 90 UP BOTH ENDS)

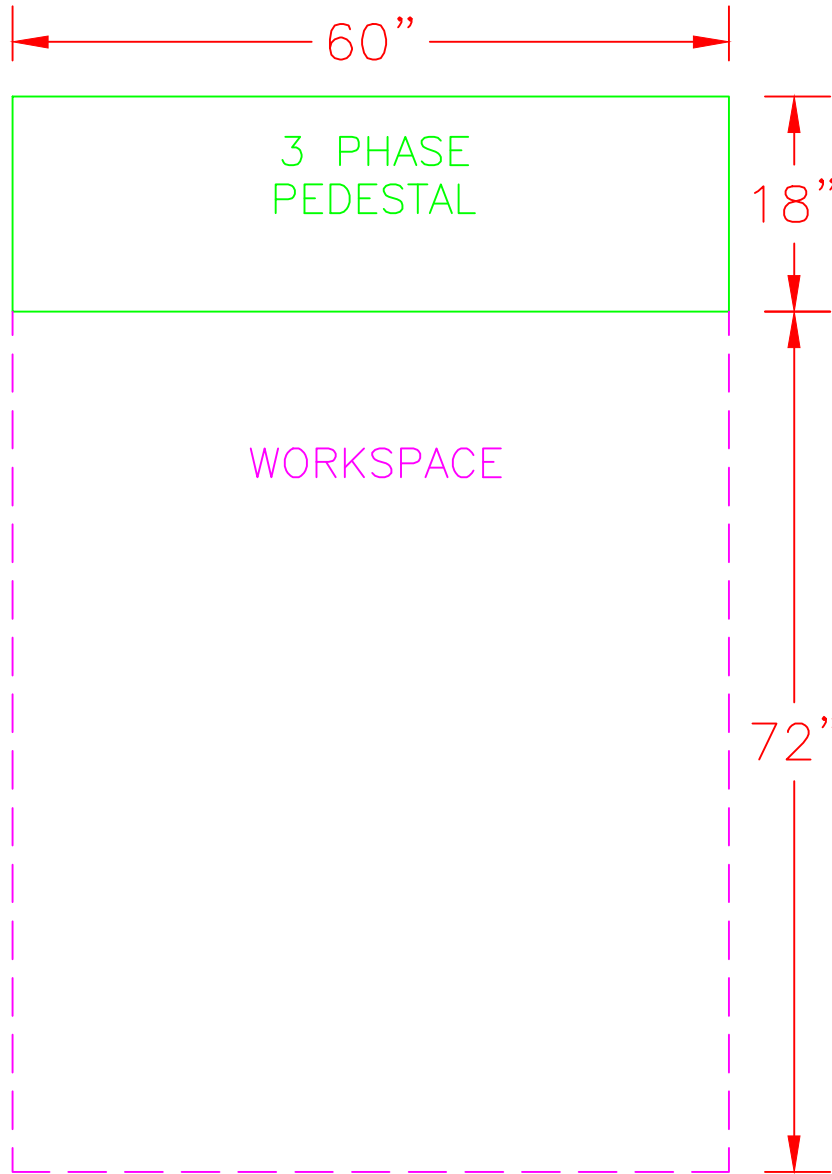


FIBERGLASS WELL
(TOP SHOWN HATCHED)

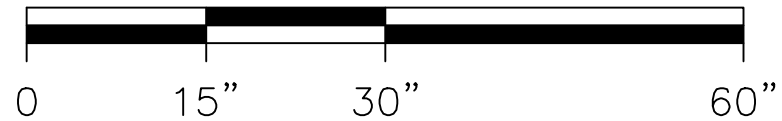


STANDARD PMH9-AUTOMATIC SWITCH PAD		<i>Virginia Tech Electric Service</i> BLACKSBURG, VIRGINIA
DRAWN BY: V.K. GOYAL	DATE: 08-31-92	REV. DATE: 12-09-98
Detail Sheet 2 of 2		DRAWING NAME: PMH-9 AUT





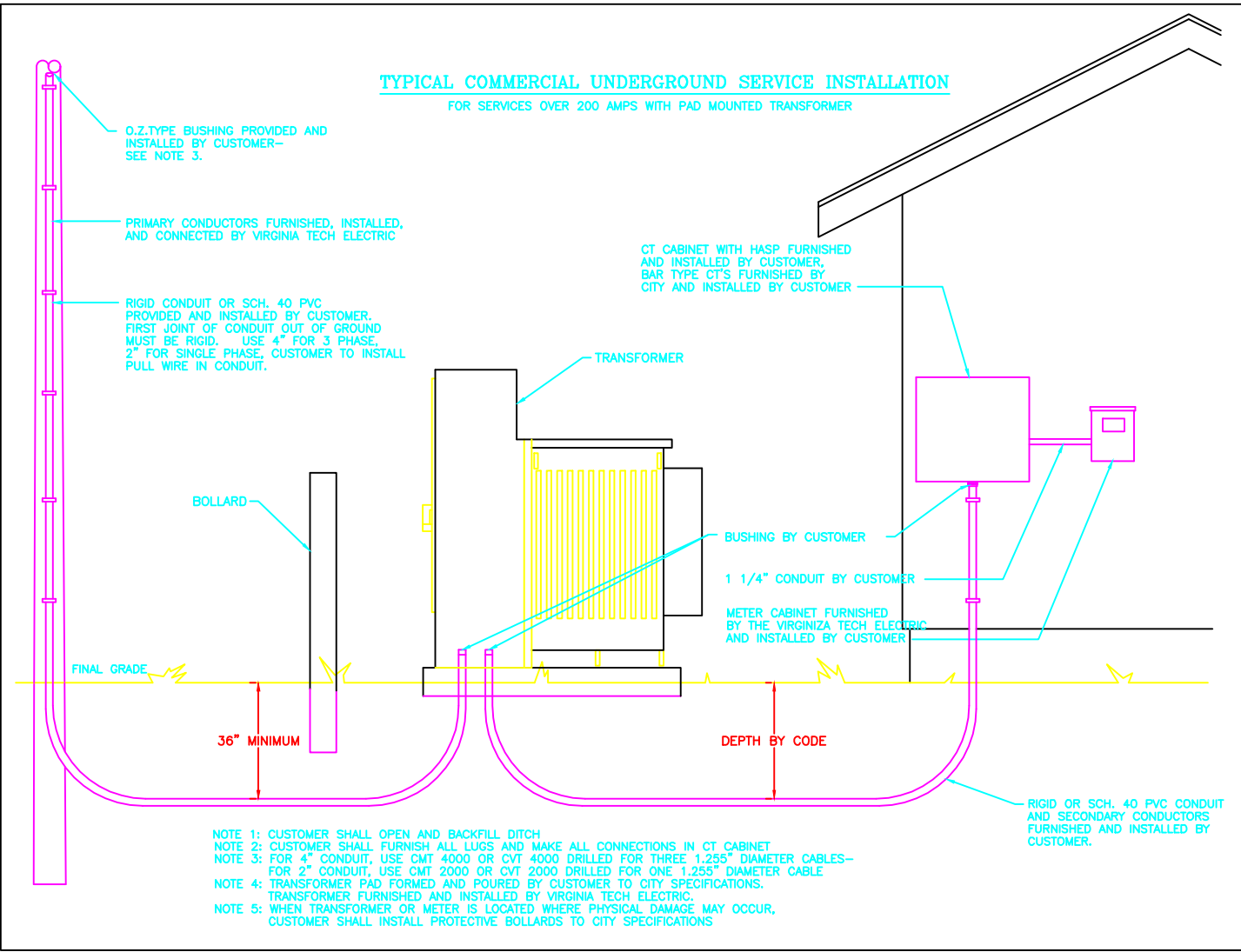
SCALE



3 PHASE PEDESTAL		<i>Virginia Tech Electric Service</i> BLACKSBURG, VIRGINIA
DRAWN BY: A.T.HUNT	DATE: 9/21/2007	REV. DATE:
COMMENT		DRAWING NAME: 3 PHASE PED

TYPICAL COMMERCIAL UNDERGROUND SERVICE INSTALLATION

FOR SERVICES OVER 200 AMPS WITH PAD MOUNTED TRANSFORMER



O.Z. TYPE BUSHING PROVIDED AND INSTALLED BY CUSTOMER—SEE NOTE 3.

PRIMARY CONDUCTORS FURNISHED, INSTALLED, AND CONNECTED BY VIRGINIA TECH ELECTRIC

RIGID CONDUIT OR SCH. 40 PVC PROVIDED AND INSTALLED BY CUSTOMER. FIRST JOINT OF CONDUIT OUT OF GROUND MUST BE RIGID. USE 4" FOR 3 PHASE, 2" FOR SINGLE PHASE, CUSTOMER TO INSTALL PULL WIRE IN CONDUIT.

BOLLARD

FINAL GRADE

36" MINIMUM

TRANSFORMER

CT CABINET WITH HASP FURNISHED AND INSTALLED BY CUSTOMER, BAR TYPE CT'S FURNISHED BY CITY AND INSTALLED BY CUSTOMER

BUSHING BY CUSTOMER

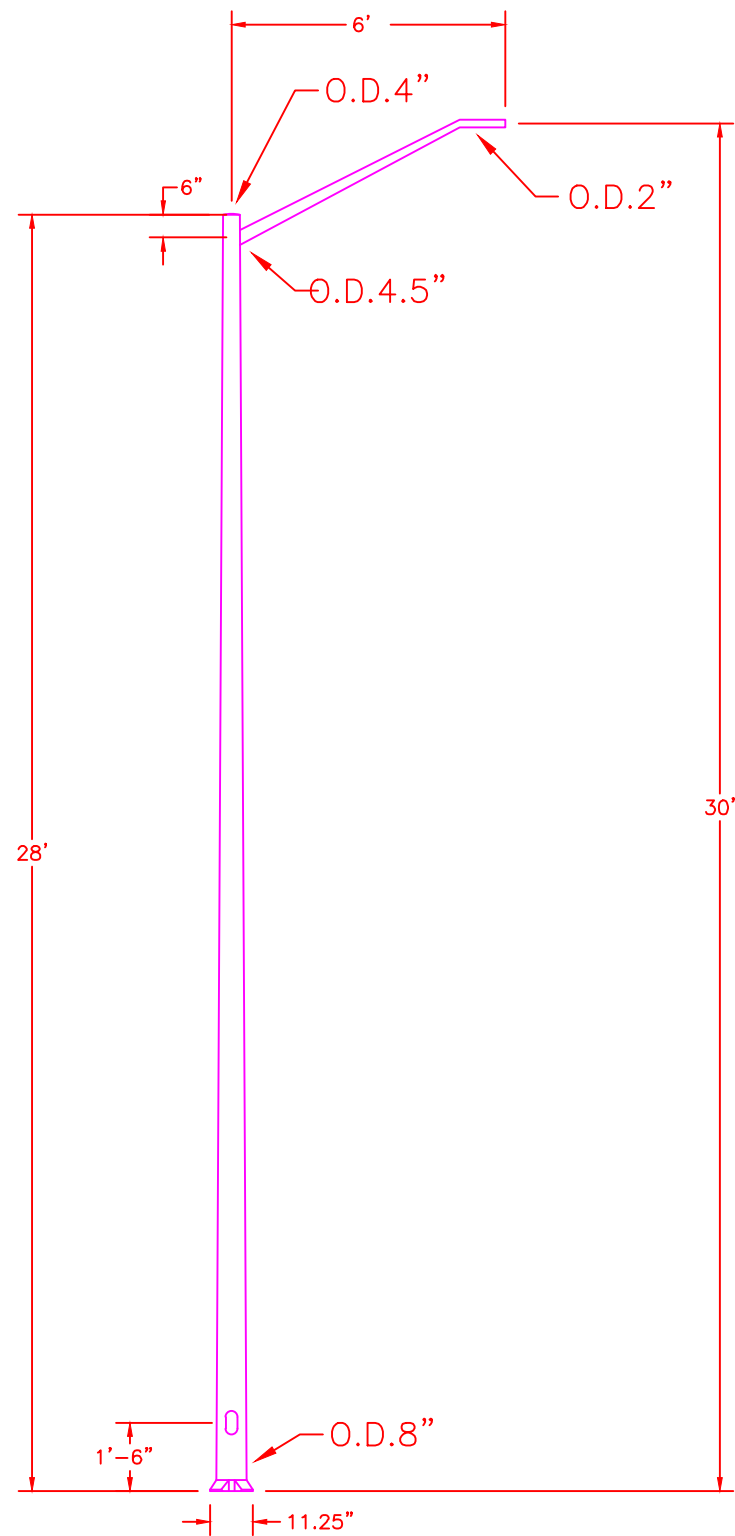
1 1/4" CONDUIT BY CUSTOMER

METER CABINET FURNISHED BY THE VIRGINIA TECH ELECTRIC AND INSTALLED BY CUSTOMER

DEPTH BY CODE

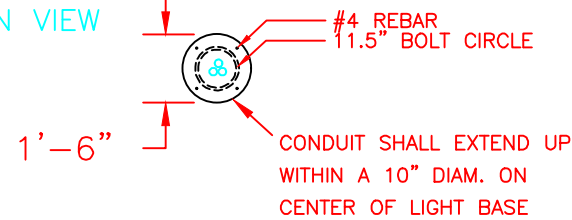
RIGID OR SCH. 40 PVC CONDUIT AND SECONDARY CONDUCTORS FURNISHED AND INSTALLED BY CUSTOMER.

- NOTE 1: CUSTOMER SHALL OPEN AND BACKFILL DITCH
- NOTE 2: CUSTOMER SHALL FURNISH ALL LUGS AND MAKE ALL CONNECTIONS IN CT CABINET
- NOTE 3: FOR 4" CONDUIT, USE CMT 4000 OR CVT 4000 DRILLED FOR THREE 1.255" DIAMETER CABLES— FOR 2" CONDUIT, USE CMT 2000 OR CVT 2000 DRILLED FOR ONE 1.255" DIAMETER CABLE
- NOTE 4: TRANSFORMER PAD FORMED AND POURED BY CUSTOMER TO CITY SPECIFICATIONS. TRANSFORMER FURNISHED AND INSTALLED BY VIRGINIA TECH ELECTRIC.
- NOTE 5: WHEN TRANSFORMER OR METER IS LOCATED WHERE PHYSICAL DAMAGE MAY OCCUR, CUSTOMER SHALL INSTALL PROTECTIVE BOLLARDS TO CITY SPECIFICATIONS

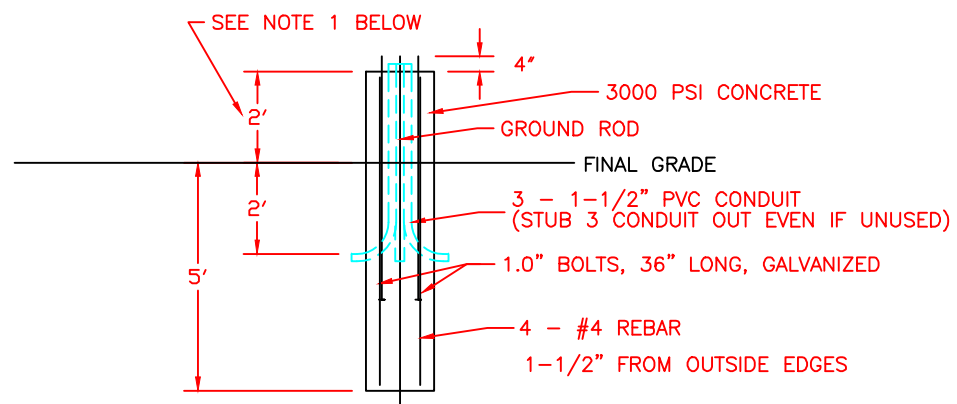


HAPCO # 21-585

BOLT CIRCLE PLAN VIEW



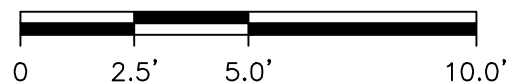
ELEVATION



NOTES:

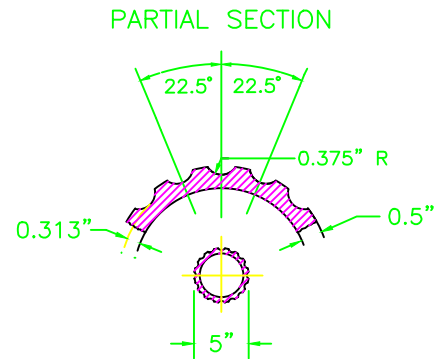
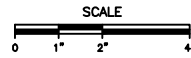
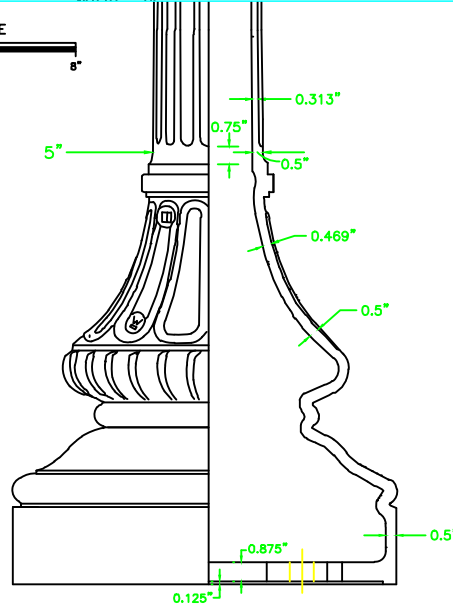
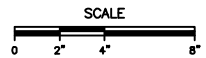
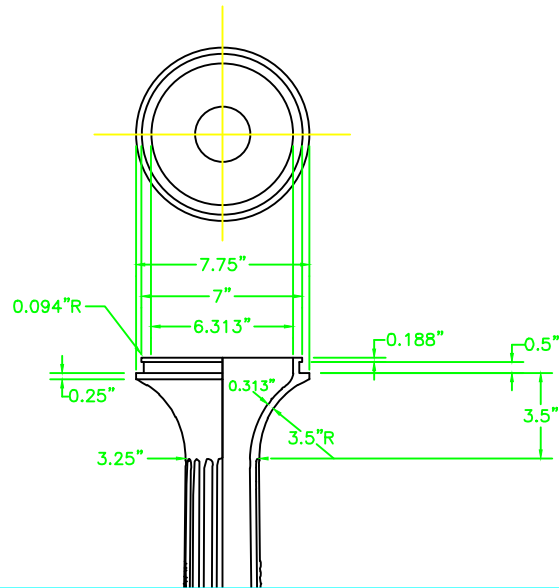
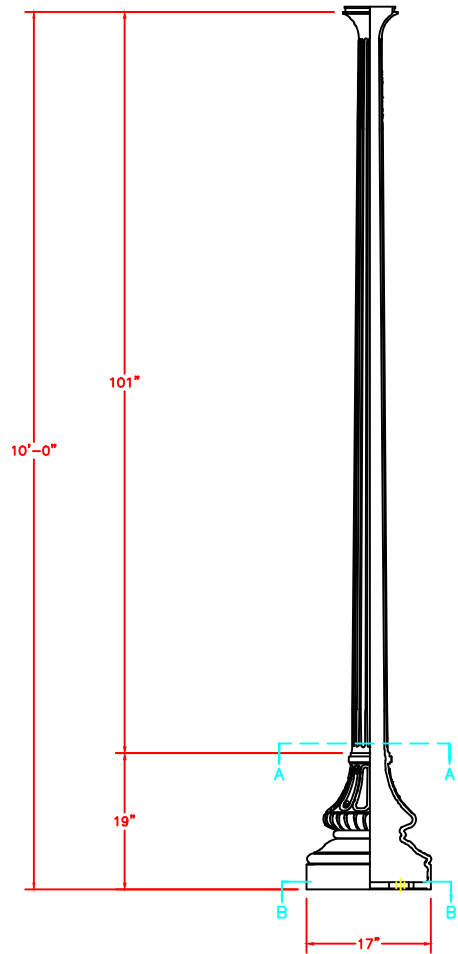
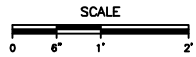
1. FOR CURBSIDE INSTALLATION TOP OF BASE IS AT FINAL GRADE. FOR EXPOSED PARKING LOT INSTALLATION TOP OF BASE IS 2'-0" ABOVE FINAL GRADE.
2. VIRGINIA TECH ELECTRIC SERVICE SHALL SUPPLY ANCHOR BOLTS, BOLT PATTERN, AND TEMPLATE AT TIME OF CONSTRUCTION.
3. CONTRACTOR SHALL SUPPLY AND INSTALL CONDUIT, PULL WIRES, AND LIGHT BASES AS SHOWN ON PLANS.
4. VIRGINIA TECH ELECTRIC SERVICE SHALL PROVIDE AND INSTALL 30' ALUMINUM POLES AND COBRA HEAD FIXTURES.

SCALE

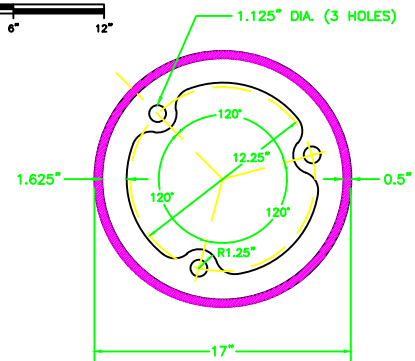
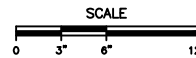


REVISIONS		
DATE	DESCRIPTION	BY
07-17-96	Updated notes and dims.	RLD

TYPICAL ALUMINUM POLE PLAN & ELEVATION		<i>Virginia Tech Electric Service</i> BLACKSBURG, VIRGINIA	
		DRAWN BY: SRAVAN SRIHARAN	DATE: 11-25-91
		REV. DATE: 02-18-93	DRAWING NAME: STL1000



SECTION A-A



SECTION B-B

REVISIONS		
DATE	DESCRIPTION	BY
03-16-93	COMPUTER DRAWING	SS

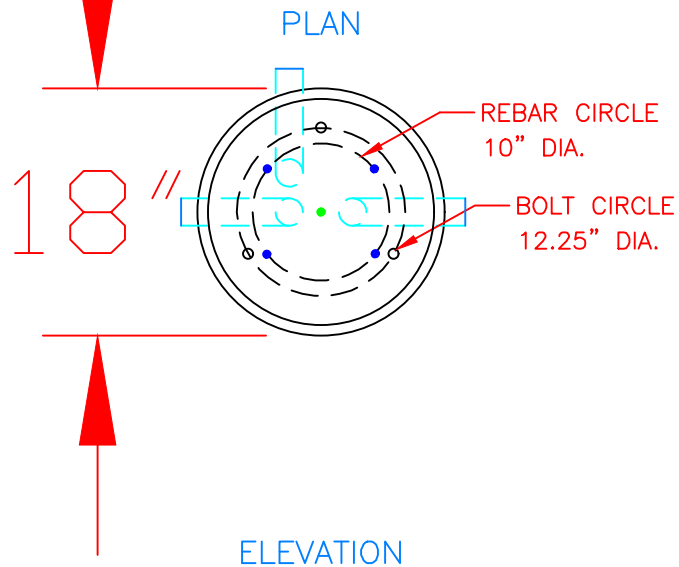
CAMPUS ST. LIGHTING
HOKIE CAST IRON
ELEVATION & DETAILS

Virginia Tech
Electric Service
BLACKSBURG, VIRGINIA

DRAWN BY: SRAWAN SINGHANI DATE: 4-9-28

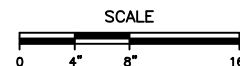
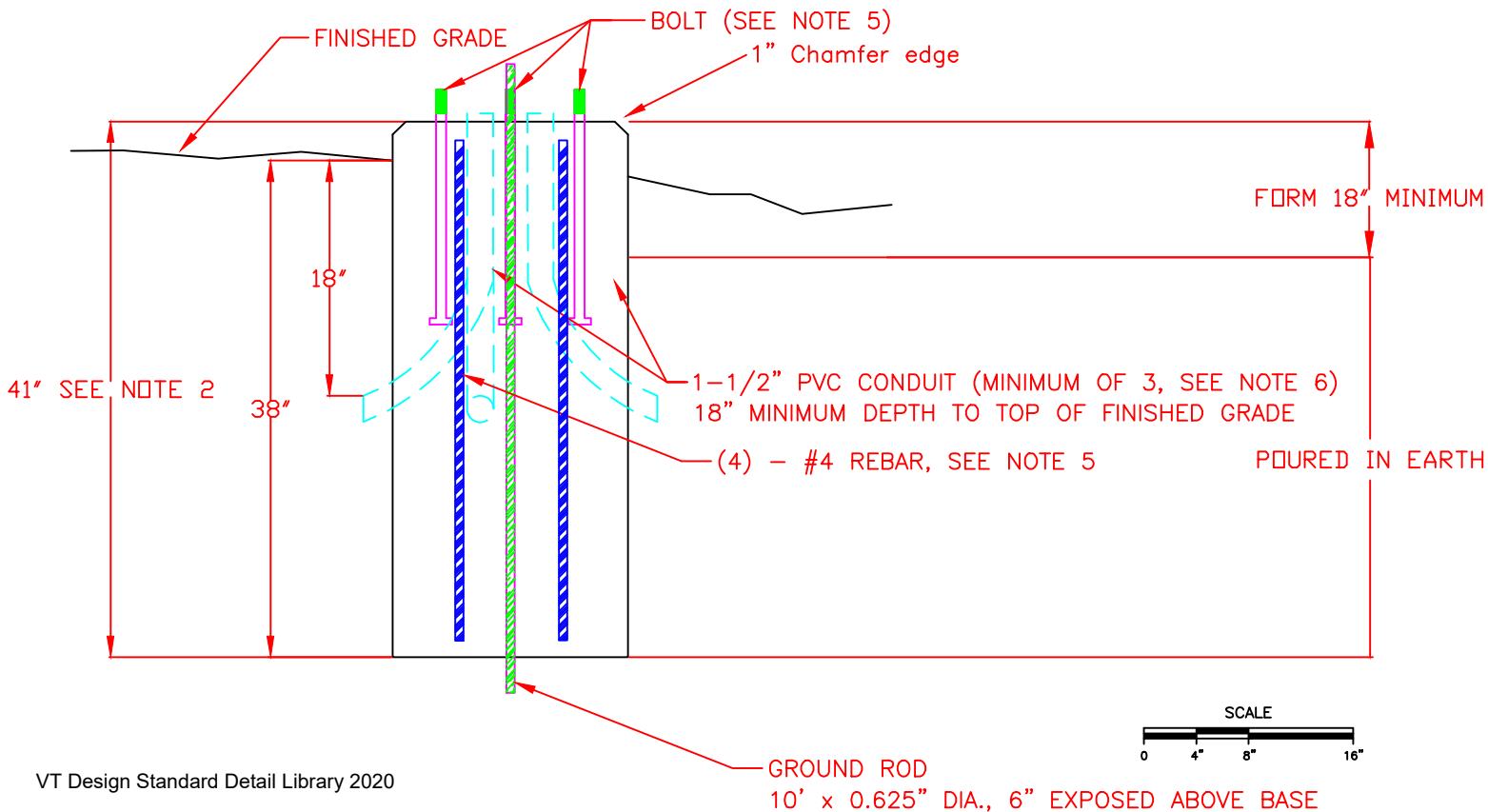
REV. DATE: 03-16-93

DRAWING NAME: STLA1001



NOTES:

1. CONTRACTOR SHALL SUPPLY AND INSTALL CONDUIT, PULL STRINGS, AND LIGHT BASES AS SHOWN ON PLANS.
2. THE TOP OF THE BASE SHALL EXTEND AT LEAST 5 INCHES ABOVE THE HIGHEST POINT OF FINISHED GRADE AT THE POLE. IF IMMEDIATELY ADJACENT TO A SIDEWALK IT SHALL EXTEND THREE INCHES ABOVE THE WALK.
3. THE TOP OF THE BASE SHALL BE LEVEL AND SMOOTH AND AT LEAST THE UPPER 18" SHALL BE FORMED. PROVIDE A 1" CHAMFER ON THE EDGE.
4. CONDUIT AND GROUND ROD SHALL EXTEND UP WITHIN A 8" DIA. CIRCLE ON THE CENTER OF THE LIGHT BASE.
5. ANCHORS BOLTS ARE 5/8 x 13" LONG AND SHALL EXTEND 3 INCHES ABOVE THE BASE. CONTRACTOR TO INSTALL (4) #4 REBAR VERTICALLY WITH TOPS 2" BELOW CONCRETE SURFACE DURING BASE INSTALLATION. VTES TO PROVIDE ANCHORS, AND TEMPLATE.
6. PROVIDE AT LEAST ONE SPARE CONDUIT STUBBED OUT OF BASE, WITH A MINIMUM OF THREE CONDUIT PER BASE.



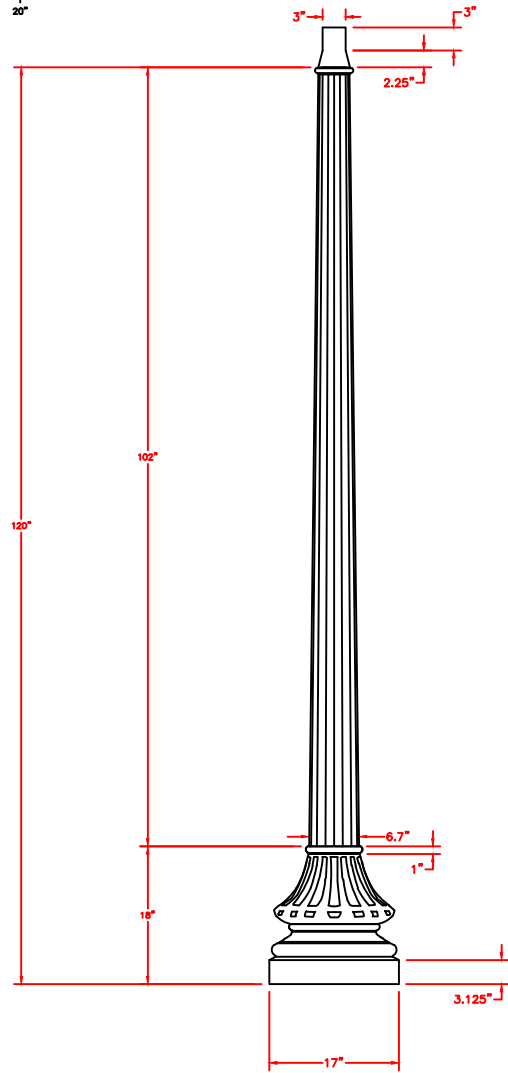
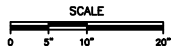
REVISIONS			
DATE	DESCRIPTION	BY	
06-05-17	NOTE/CONDUIT CHANGE	SFH	
03-18-93	COMPUTER DRAWN	SS	
05-16-08	Updated Notes	RLD	

CAMPUS ST. LIGHTING
HOKIE BASE
PLAN & ELEVATION

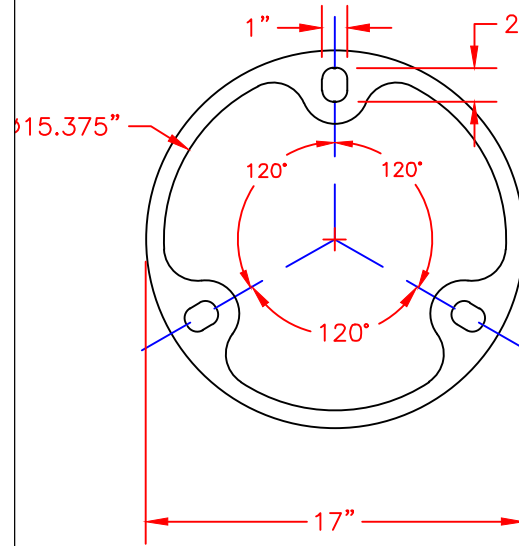
Virginia
Tech
Electric
Service
BLACKSBURG, VIRGINIA

DRAWN BY: SRAVAN SRINIHARAN DATE: 03-18-93 REV. DATE: 05-16-2008

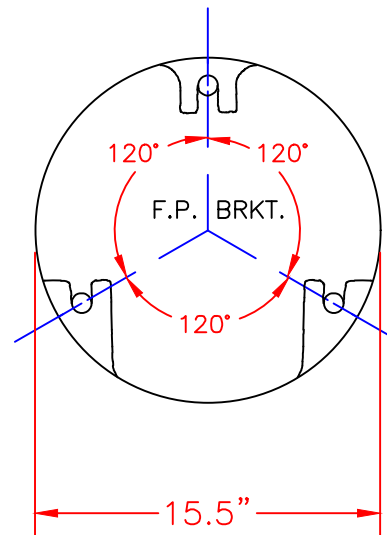
DRAWING NAME: STLA1002



BASE OF BROWN STANDARD



BASE OF BLACK STANDARD



REVISIONS		
DATE	DESCRIPTION	BY
04-19-03	COMPUTER DRAWN	SS

STREET LIGHTING
HOKIE FIBERGLASS
ELEVATION & BASE

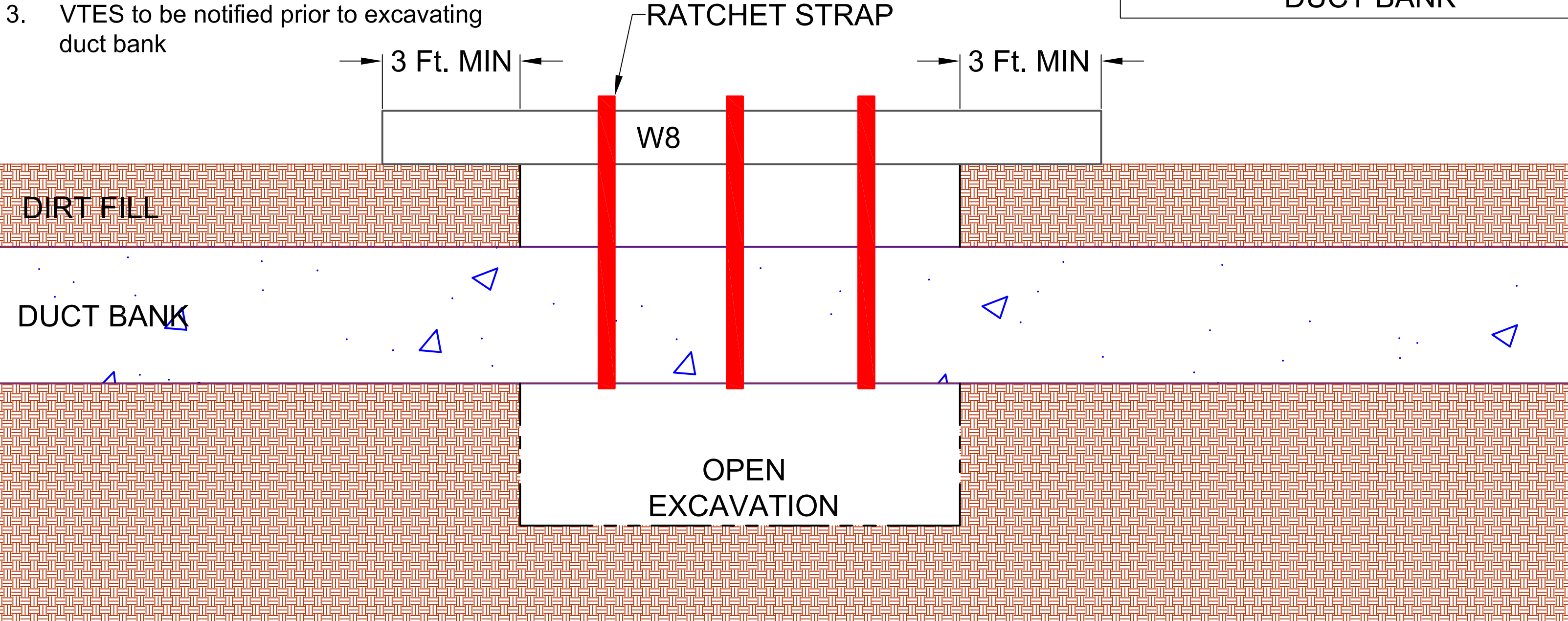
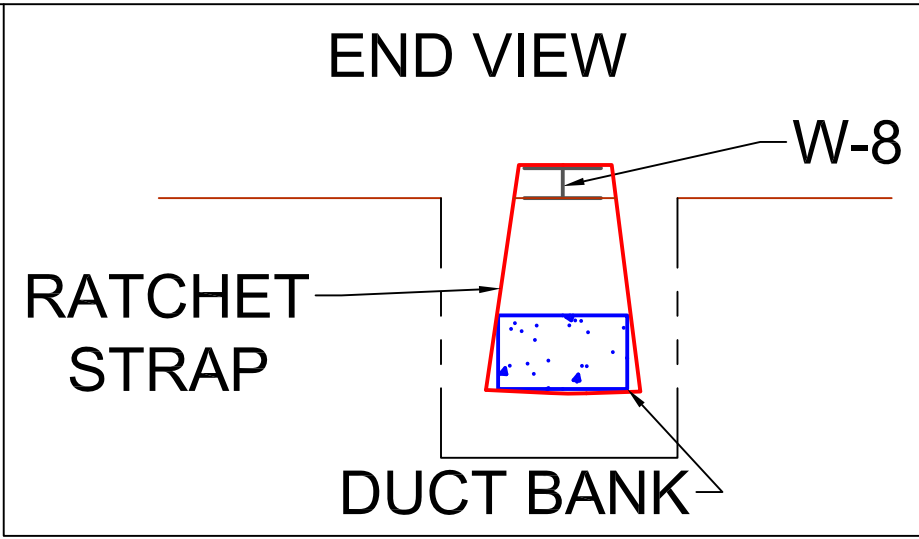
DRAWN BY: SRWAN SRIRAMON DATE: 04-09-03

Virginia Tech
Electric Service
BLACKSBURG, VIRGINIA

REV. DATE: 04-19-03
DRAWING NAME: STL1003

NOTES:

1. Place W8 across span of exposed duct bank section, extend 3 foot minimum past sidewall of excavation on each side
2. 2 inch heavy duty (10,000 lb rated) ratchet strap every 3 foot supporting duct bank
3. VTES to be notified prior to excavating duct bank



EXPOSED DUCT BANK SUPPORT REQUIREMENTS		<i>Virginia Tech Electric Service</i> BLACKSBURG, VIRGINIA
DRAWN BY: GS RUPPERT	DATE: 09-13-19	REV. DATE:
		DRAWING NAME: