CITY OF NEWARK APPROVED SECONDARY CONNECTORS

Approved Padmount Transformer Secondary Lugs for 3-phase transformers

NO EXCEPTIONS

Six conductors per phase maximum

Conductor AL/CU	Burndy Part #
1/0 Stranded	YA25A7
2/0 Stranded	YA26A3
4/0 Stranded	YA28A5
250 kcmil	YA29A3
350 kcmil	YA31A3
500 kcmil	YA34A3
600 kcmil	YA36A3
750 kcmil	YA39A5
1000 kcmil	YA44A3

- Single Phase Padmounts up to 75kVA – six 350 kcmil conductors maximum per spade
- 100kVA – six 500 kcmil conductors max, contingent on space for conduits – contact Electric Department for prior approval – connectors supplied by the City of Newark

Standard Primary Pull Box

36"X48"X36" Deep High Density Polyethylene
Pencell PEM3648X with 2 PEM3648-6 Spacers
Identification- ELECTRIC
Note: Contact City of Newark Electric Department
if pullbox will be subject to vehicular traffic

Approved Aerial Commercial Service Entrance Connector

(For use on customer owned service conductors connected to aerial City owned conductors – usually triplex or quadriplex)

Burndy (FCI) - Unitap or NSI Industries – Polaris System

Note: Contact City of Newark Electric Department to review the number of conductors City will supply.

Approved Secondary Lugs for conductors directly connected to Aerial Transformer Bushings

Up to 500 kcmils	City supplies 6 position eyebolt connectors
600 kcmil	YA36A3
750 kcmil	YA39A5
1000 kcmil	YA44A3

CITY OF NEWARK NEW CASTEL COUNTY, DE				
APPROVED SECONDARY CONNECTORS				
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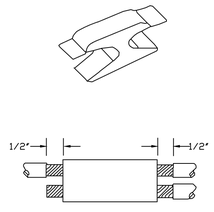
DWG NO. STD201E	SCALE: NTS	DATE: 10/13/2005		SHEET: 1 of 1

Fig. 12



INSTRUCTIONS FOR INSTALLING COMPRESSION "H" TAP CONNECTORS

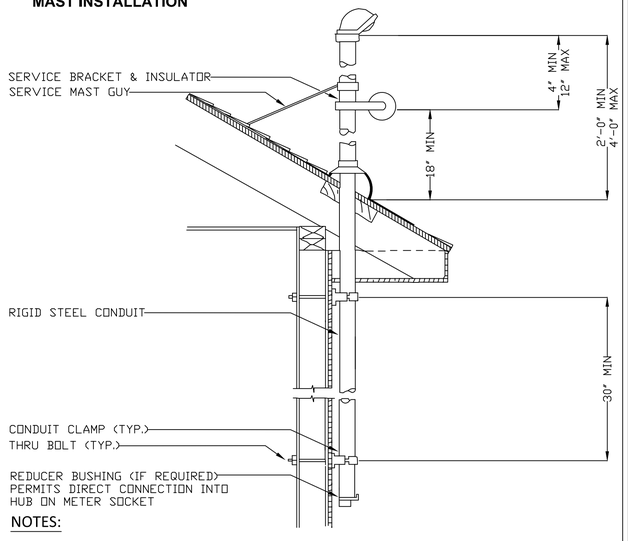
1. Use these connectors for non-tension splice or tap connections of aluminum to aluminum conductors or of aluminum to copper conductors, as shown above.
2. Be sure to use the correct size connectors and tooling as per manufacturers recommendations.
3. Install the connectors so that the aluminum or ACSR conductors are physically above the copper conductors.
4. Strip conductor as shown above, wire brush until metal is clean. Apply anti-oxidant compound and make connection **immediately**.

   CAUTION: Do not nick or cut conductors in stripping process!
5. Place stripped conductor in groove, allowing it to extend 1/2" beyond connector from end to end using full number of indents as per manufacturers recommendations.
6. Tape all connections.

CITY of NEWARK NEW CASTLE COUNTY, DE				
H TAP CONNECTIONS				
CHECKED BY: RV	SIZE A	DR BY: AH	FILENAME: \\std\STD205E.dwg	REV 1
DWG NO. STD205E	SCALE: NTS	DATE: 8/19/08		SHEET: 1 of 1

Fig. 6

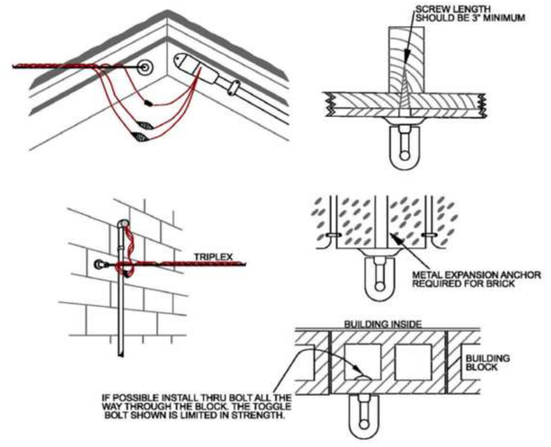
STANDARD SERVICE MAST INSTALLATION



NOTES:

1. APPROVAL FOR LOCATION MUST BE OBTAINED FROM THE CITY OF NEWARK BEFORE INSTALLATION.
2. GUYING REQUIRED FOR SERVICE DROPS OVER 50'.
3. GUYING REQUIRED IF TOP OF MAST (EXCLUDING WEATHERHEAD) IS MORE THAN 26" ABOVE ROOF.
4. SERVICE BRACKET AND INSULATOR HEIGHT MUST ALLOW MINIMUM REQUIRED CLEARANCES TO GROUND AS PER N.E.C.

CITY of NEWARK NEW CASTLE COUNTY, DE				
SERVICE MAST INSTALLATION				
CHECKED BY: Rv	SIZE A	DR BY: AH	FILENAME: \\std\STD204E.dwg	REV 1
DWG NO. STD204E	SCALE: NTS	DATE: 8/19/08		SHEET: 1 of 1



1. THE BUILDER/ELECTRICIAN ASSUMES RESPONSIBILITY FOR THE INTEGRITY OF THE ANCHORING DEVICE.
2. THE PULL ON A SERVICE CONDUCTOR IS A MAXIMIN OF 350 POUNDS WHEN THE CONDUCTOR IS COVERED WITH A 1/2" COATING OF ICE AND WIND BLOWING AT 40 MPH. DEPENDING ON THE WIRE SIZE, SAG, AND SPAN LENGTH, CONDUCTOR TENSION COULD APPROACH OR EXCEED THE MAXIMUM TENSION.
3. TO LIMIT CONDUCTOR TENSIONS, SUBSTANTIAL SAG MAY BE REQUIRED FOR LONGER SPANS. THE HEIGHT OF THE ATTACHEMENT MUST BE SUFFICIENT TO PROVIDE ADEQUATE VERTICAL CLEARANCE AT THE LOWEST SAG OF THE WIRE. SAGS OF SERVICE WIRES MAY APPROACH 6 FT IN A 100 FT SPAN. CONSULT THE CITY IF YOU SUSPECT A CLEARANCE PROBLEM MIGHT OCCUR.
4. ALL EXPOSED METAL SHOULD BE ZINC PLATED OR GALVENIZED.

CITY of NEWARK NEW CASTLE COUNTY, DE				
Point of Attachment Anchoring Standard				
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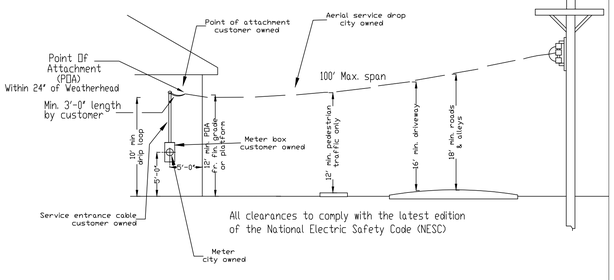
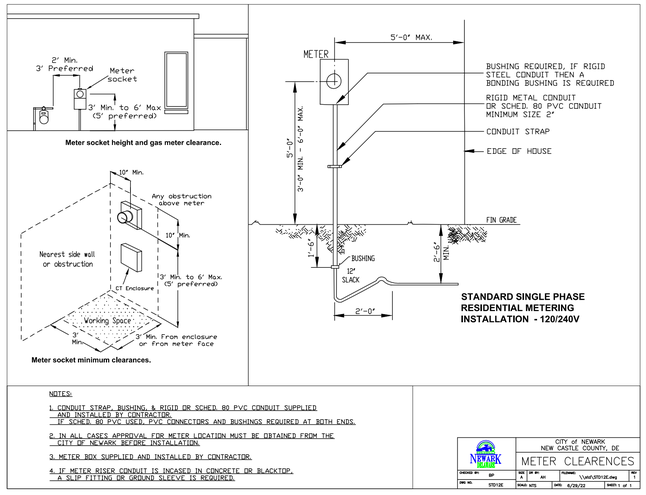
DRAWING NO. STD208E.pdf	SCALE: NTS	DATE: 2/15/13		SHEET: 1 OF 1

Fig. 15



CITY of NEWARK NEW CASTLE COUNTY, DE				
SERVICE CLEARANCES				
CHECKED BY: BP	SIZE A	DR BY: AH	FILENAME: \\std\STD207E.dwg	REV 1
DWG NO. STD207E	SCALE: NTS	DATE: 10/21/22		SHEET: 1 of 1



NOTES:

1. CONDUIT STRAP, BUSHING, & RIGID OR SCHED. 80 PVC CONDUIT SUPPLIED AND INSTALLED BY CONTRACTOR. IF SCHED. 80 PVC USED, PVC CONNECTORS AND BUSHINGS REQUIRED AT BOTH ENDS.
2. IN ALL CASES APPROVAL FOR METER LOCATION MUST BE OBTAINED FROM THE CITY OF NEWARK BEFORE INSTALLATION.
3. METER BOX SUPPLIED AND INSTALLED BY CONTRACTOR.
4. IF METER RISER CONDUIT IS ENCASED IN CONCRETE OR BLACKTOP, A SLIP FITTING OR GROUND SLEEVE IS REQUIRED.

CITY of NEWARK NEW CASTLE COUNTY, DE				
METER CLEARENCES				
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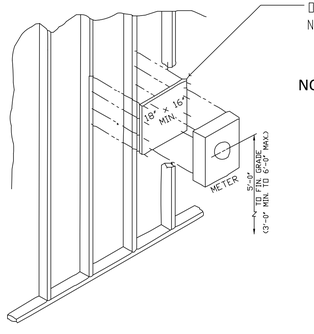
DWG NO. STD151E	SCALE: NTS	DATE: 6/28/22		SHEET: 1 of 1

Fig. 14



NOTES:

1. METER BOX SUPPLIED AND INSTALLED BY CONTRACTOR.
2. IN ALL CASES APPROVAL FOR METER LOCATION MUST BE OBTAINED FROM THE CITY BEFORE INSTALLATION.
3. SEE FIGURE 5 FOR STANDARD UNDERGROUND INSTALLATION.

CITY of NEWARK NEW CASTLE COUNTY, DE				
STANDARD METER INSTALLATION FOR NEW CONSTRUCTION-200A MAX				
CHECKED BY: RV	SIZE A	DR BY: SWS	FILENAME: \\std\STD206E.dwg	REV 1
DWG NO. STD206E	SCALE: NTS	DATE: 1/7/22		SHEET: 1 of 1