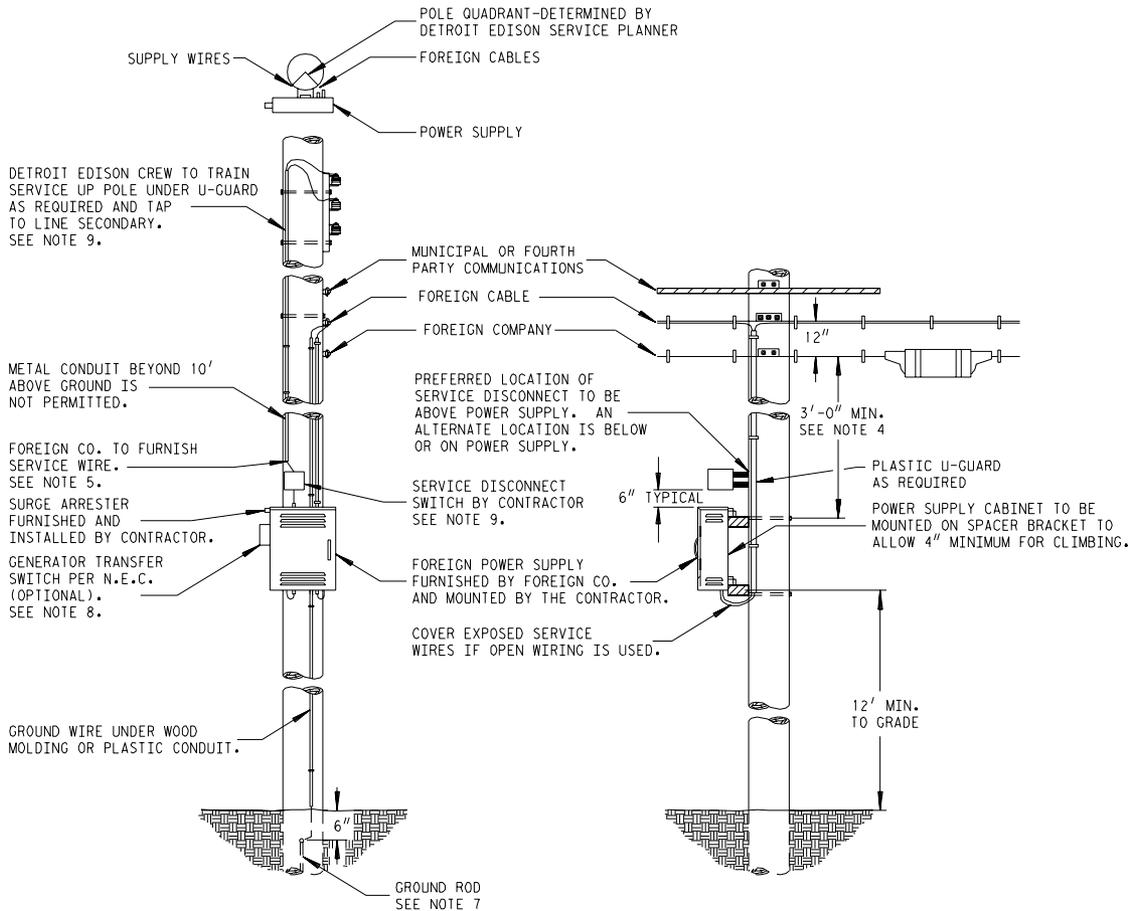


4-JOINT USE



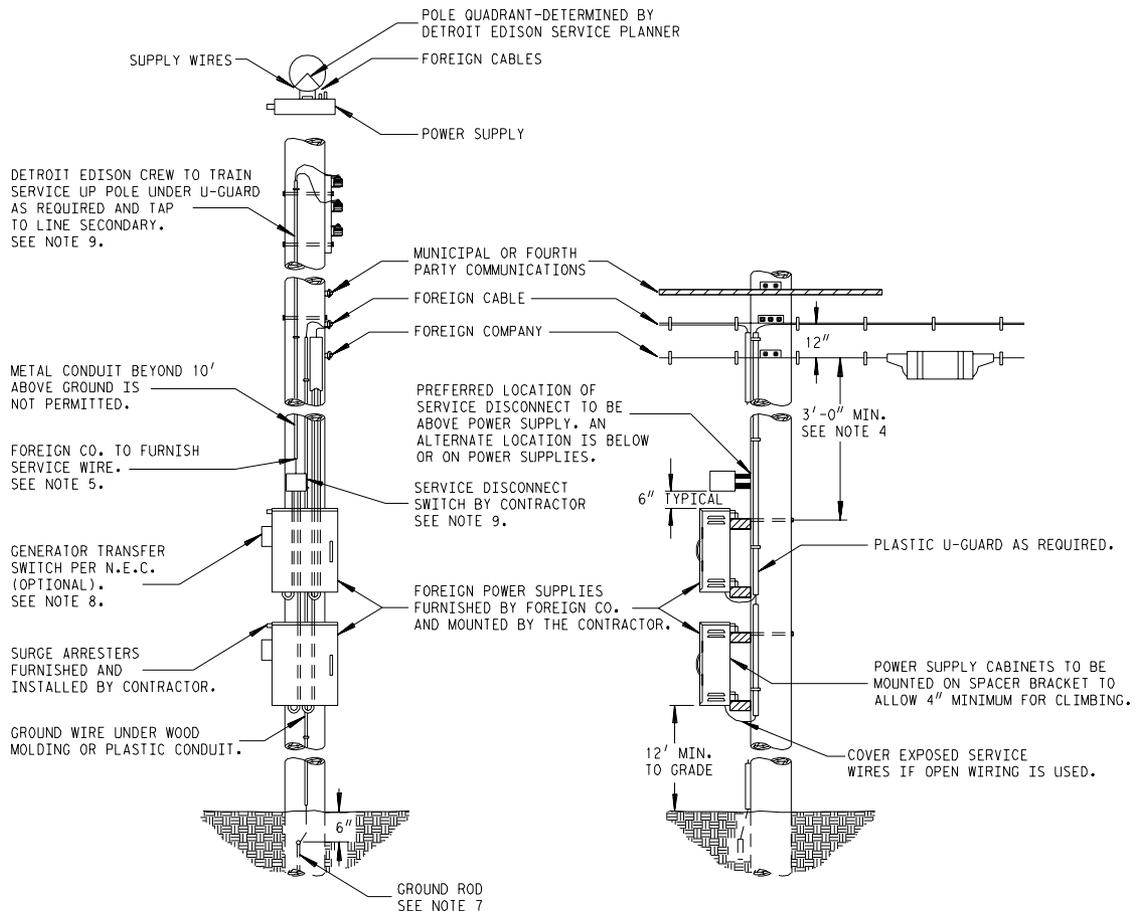
NOTES:

DETAIL 408

1. THE LOCATION OF A FOREIGN CABINET INSTALLATION SHALL BE COORDINATED BY THE FOLLOWING PERSONNEL.
  - A. DETROIT EDISON SERVICE PLANNER
  - B. FOREIGN CO. REPRESENTATIVE
2. THE POWER SUPPLY OR ASSOCIATED EQUIPMENT SHALL NEVER BE LOCATED ON A POLE WHERE IT WILL IN ANY WAY INTERFERE WITH THE CLIMBING SPACE OR MAINTENANCE OF EQUIPMENT.
3. POLES CARRYING UTILITY UNDERGROUND RISER CABLES OR POLES SUPPORTING TELEPHONE CROSS CONNECTING TYPE TERMINALS, AIR DRYERS, CONCENTRATORS, CARRIER CABINETS, APPARATUS CASES, POLE MOUNTED LOAD POTS AND POLES CARRYING HEAVY DETROIT EDISON EQUIPMENT SUCH AS TRANSFORMER CLUSTERS, REGULATORS, DAS EQUIPMENT, P.T.S., CAPACITOR BANKS, BUCK POLES, ETC., SHALL NOT BE SELECTED FOR A POWER SUPPLY LOCATION. CONTACT DETROIT EDISON INTERCOMPANY FACILITIES ADMINISTRATOR FOR SPECIAL SITUATIONS.
4. NORMALLY THE UPPER POWER SUPPLY SHALL BE MOUNTED ON THE FACE OF THE POLE 3'-0" MINIMUM BELOW THE LOWEST STRAND.
5. SUPPLY WIRES TO BE 2 #8 COPPER OR 2 #6 ALUM. OPEN WIRE OR EQUIVALENT SERVICE ENTRANCE CABLE. THE CABLE FOREIGN CO. SHALL IDENTIFY SERVICE NEUTRAL BY REMOVING SIX INCHES OF INSULATION FROM THE GROUND WIRE, COIL UP AND LEAVE ENOUGH WIRE TO REACH LINE SECONDARY. (IF WHITE OR GRAY WIRE USED, NEUTRAL DOES NOT HAVE TO BE SKINNED.)
6. TIE ALL EQUIPMENT GROUNDS TOGETHER INSIDE SERVICE DISCONNECT SWITCH.
7. FOREIGN CO. MAY GROUND THEIR POWER SUPPLY TO AN EXISTING DETROIT EDISON POLE GROUND WITH A NO. 6 AWG COPPER CONDUCTOR VERSUS INSTALLING A SEPARATE POLE GROUND. WHEN NO POLE GROUND IS PRESENT, THE CONTRACTOR SHALL FURNISH AND INSTALL AN APPROVED GROUNDING ELECTRODE AND POLE GROUND AS SPECIFIED FOR THE POWER SUPPLY.
8. IF A PORTABLE GENERATOR IS TO BE USED, A TRANSFER SWITCH PER NEC MUST BE INSTALLED. ALTERNATE LOCATION FOR TRANSFER SWITCH IS POLE MOUNTED BETWEEN DISCONNECT AND POWER SUPPLY.
9. DETROIT EDISON CREW TO LEAVE SERVICE DISCONNECT SWITCH IN "OFF" POSITION AFTER SERVICE IS CONNECTED.
10. ALL CONSTRUCTION MUST BE IN ACCORDANCE WITH APPLICABLE NATIONAL AND LOCAL CODES.

JOINT USE SPECIFICATION FOR  
POLE MOUNTED POWER SUPPLY

4-JOINT USE



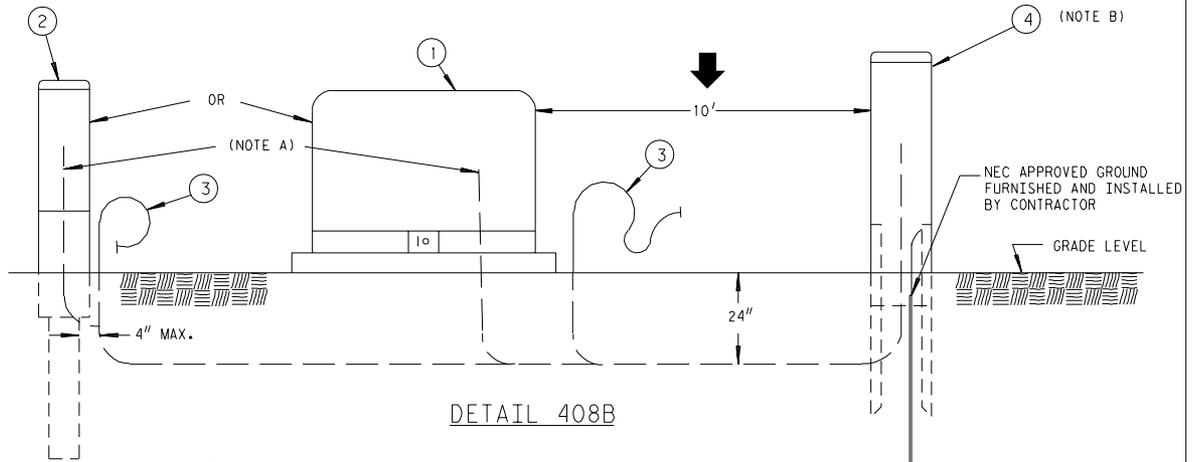
NOTES:

DETAIL 408A

1. THE LOCATION OF A FOREIGN CABINET INSTALLATION SHALL BE COORDINATED BY THE FOLLOWING PERSONNEL.
  - A. DETROIT EDISON SERVICE PLANNER
  - B. FOREIGN CO. REPRESENTATIVE
2. THE POWER SUPPLIES OR ASSOCIATED EQUIPMENT SHALL NEVER BE LOCATED ON A POLE WHERE IT WILL IN ANY WAY INTERFERE WITH THE CLIMBING SPACE OR MAINTENANCE OF EQUIPMENT.
3. POLES CARRYING UTILITY UNDERGROUND RISER CABLES OR POLES SUPPORTING TELEPHONE CROSS CONNECTING TYPE TERMINALS, AIR DRYERS, CONCENTRATORS, CARRIER CABINETS, APPARATUS CASES, POLE MOUNTED LOAD POTS AND POLES CARRYING DETROIT EDISON EQUIPMENT SUCH AS TRANSFORMER CLUSTERS, REGULATORS, DAS EQUIPMENT, CAPACITOR BANKS, P.T.S., BUCK POLES, ETC., SHALL NOT BE SELECTED FOR A POWER SUPPLY LOCATION. CONTACT DETROIT EDISON INTERCOMPANY FACILITIES ADMINISTRATOR FOR SPECIAL SITUATIONS.
4. NORMALLY THE UPPER POWER SUPPLY SHALL BE MOUNTED ON THE FACE OF THE POLE 3'-0" MINIMUM BELOW THE LOWEST STRAND.
5. SUPPLY WIRES TO BE 2 #8 COPPER OR 2 #6 ALUM. OPEN WIRE OR EQUIVALENT SERVICE ENTRANCE CABLE. THE CABLE FOREIGN CO. SHALL IDENTIFY SERVICE NEUTRAL BY REMOVING SIX INCHES OF INSULATION FROM THE GROUND WIRE, COIL UP AND LEAVE ENOUGH WIRE TO REACH LINE SECONDARY. (IF WHITE OR GRAY WIRE USED, NEUTRAL DOES NOT HAVE TO BE SKINNED)
6. TIE ALL EQUIPMENT GROUNDS TOGETHER INSIDE SERVICE DISCONNECT SWITCH.
7. FOREIGN CO. MAY GROUND THEIR POWER SUPPLY TO AN EXISTING DETROIT EDISON POLE GROUND WITH A NO. 6 AWG COPPER CONDUCTOR VERSUS INSTALLING A SEPARATE POLE GROUND. WHEN NO POLE GROUND IS PRESENT, THE CONTRACTOR SHALL FURNISH AND INSTALL AN APPROVED GROUNDING ELECTRODE AND POLE GROUND AS SPECIFIED FOR THE POWER SUPPLY.
8. IF A PORTABLE GENERATOR IS TO BE USED, A TRANSFER SWITCH PER NEC MUST BE INSTALLED. ALTERNATE LOCATION FOR TRANSFER SWITCH IS POLE MOUNTED BETWEEN DISCONNECT AND POWER SUPPLIES.
9. DETROIT EDISON CREW TO LEAVE SERVICE DISCONNECT SWITCH IN "OFF" POSITION AFTER SERVICE IS CONNECTED.
10. ALL CONSTRUCTION MUST BE IN ACCORDANCE WITH APPLICABLE NATIONAL AND LOCAL CODES.

JOINT USE SPECIFICATION FOR POLE MOUNTED TANDEM POWER SUPPLIES

## 4-JOINT USE



DETAIL 408B

**NOTICE:**

SERVICE CONNECTIONS WILL BE MADE TO TRANSFORMER ONLY WHEN NO PEDESTAL EXISTS.

**LEGEND:**

1. DETROIT EDISON PADMOUNT TRANSFORMER.
2. DETROIT EDISON SECONDARY PEDESTAL.
3. CUSTOMER UNDERGROUND CABLE.
4. FOREIGN POWER SUPPLY.

**NOTES:****A - SERVICE CABLE****\* SPECIFICATIONS**

ALUMINUM SINGLE CONDUCTOR TYPE U.S.E. AND CROSS LINKED POLYETHYLENE RHH-RHW.

**\* RESPONSIBILITIES**

CONTRACTOR WILL FURNISH AND INSTALL CABLE UP TO BUT NOT IN OR UNDER TRANSFORMER OR PEDESTAL. DETROIT EDISON WILL INSTALL AND TERMINATE SERVICE IN TRANSFORMER OR PEDESTAL.

**\* METHOD OF INSTALLATION**

CONTRACTOR WILL CONTACT MISS DIG WHEN WORKING IN PROXIMITY OF DETROIT EDISON DISTRIBUTION CABLES. HAND DIG CLOSE TO TRANSFORMER, PEDESTAL, OR DISTRIBUTION CABLES. IDENTIFY NEUTRAL BY STRIPPING 4" OF INSULATION AT END. ALLOW SUFFICIENT CABLE FOR CONNECTION BY DETROIT EDISON: 8' AT TRANSFORMER, 4' AT PEDESTAL. SEAL CABLE ENDS AGAINST MOISTURE.

**DETROIT EDISON DETAIL FOR INSTALLATION AND TERMINATION:**

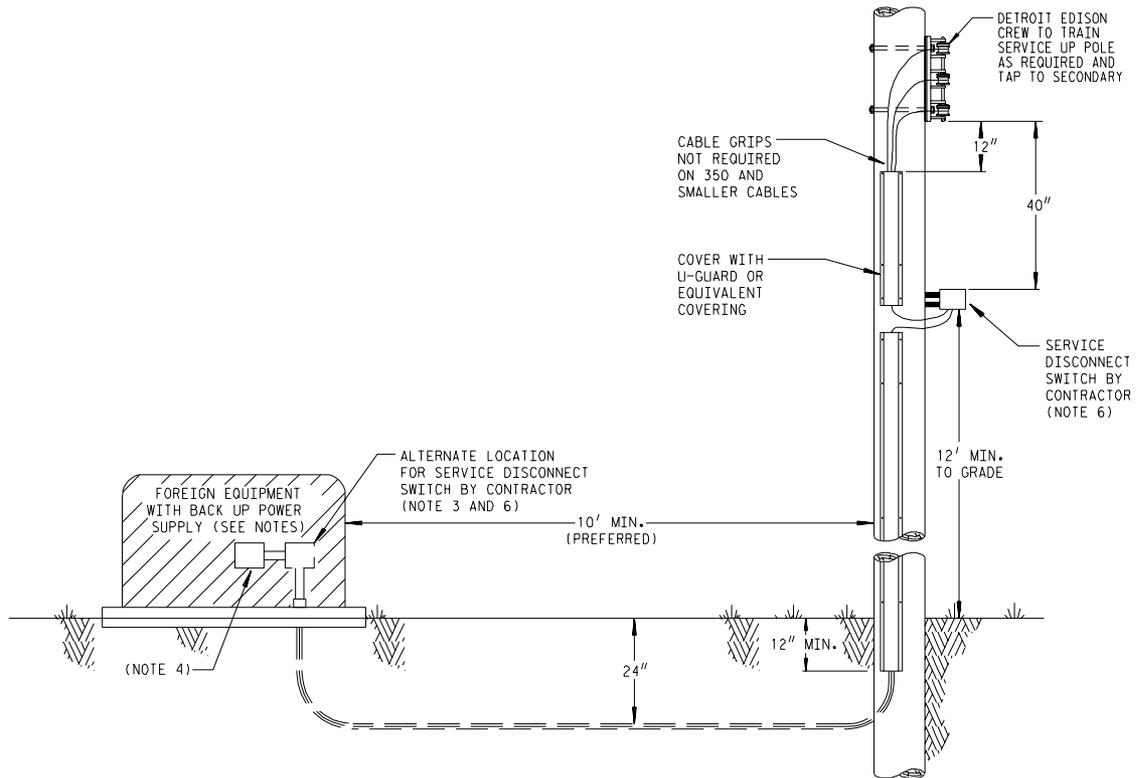
TRANSFORMER: SIMILAR TO DETAIL 23227E  
PEDESTAL: SIMILAR TO DETAIL 23227F

**B - CLEARANCES**

FOREIGN POWER SUPPLY IS NOT TO BE INSTALLED DIRECTLY OVER DETROIT EDISON DISTRIBUTION CABLES OR DIRECTLY IN FRONT OF TRANSFORMER DOOR, NOR WITHIN 2' OF ANY EXISTING DETROIT EDISON FACILITY. IF INSTALLED AT SAME TIME AS DETROIT EDISON FACILITIES REFER TO PAGE 1-43-72 IN THE UNDERGROUND LINE CONSTRUCTION STANDARDS MANUAL.

**C - DETROIT EDISON ASSUMES NO RESPONSIBILITY FOR INJURY OR DAMAGE ARISING FROM THE USE OF THIS SPECIFICATION.****D - CHANGES OTHER THAN DETAIL NUMBERS MADE TO THIS PAGE MUST BE REFLECTED ON REFERENCE PAGE 1-9-236.**

## 4-JOINT USE



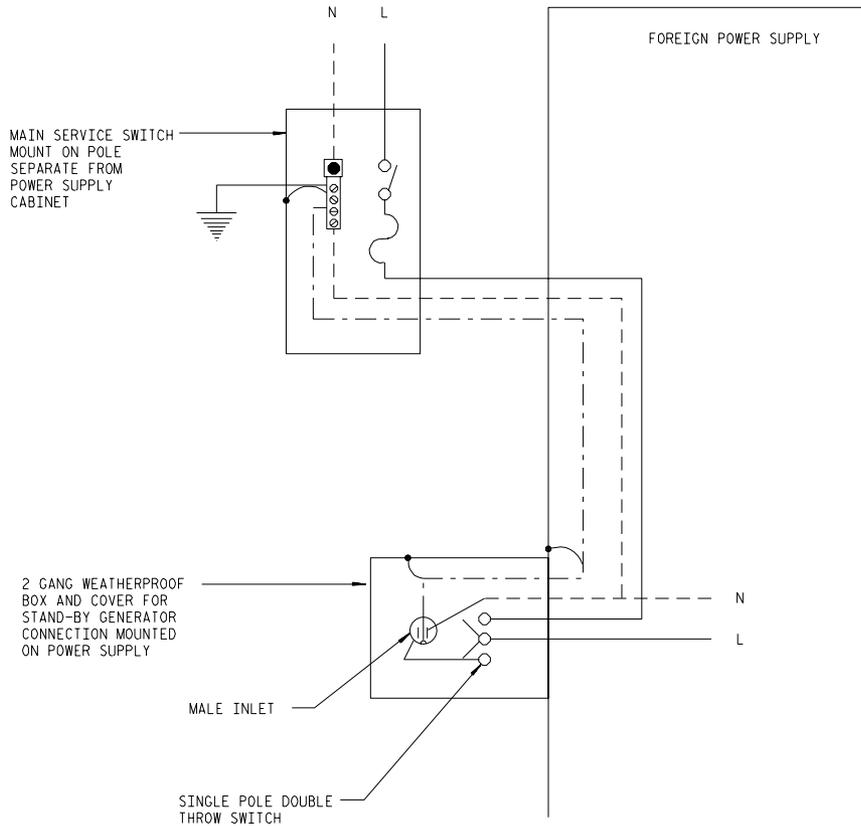
DETAIL 408C

## NOTES:

- THE LOCATION OF THE CABINET INSTALLATION AND THE PLACEMENT OF THE CABLE ON THE POLE SHOULD BE COORDINATED BY THE FOLLOWING PERSONNEL:
  - DETROIT EDISON SERVICE PLANNER
  - FOREIGN CO. REPRESENTATIVE
- THE UG SUPPLY CABLES ARE TO BE PROVIDED BY THE FOREIGN COMPANY. THE SERVICE NEUTRAL SHALL BE IDENTIFIED BY REMOVING SIX INCHES OF INSULATION FROM THE END OF THE WIRE COILED AT THE POLE. IF THE NEUTRAL WIRE IS WHITE OR GREY IT DOES NOT HAVE TO BE SKINNED BACK FOR IDENTIFICATION. THE COIL OF WIRE SHOULD BE LONG ENOUGH TO REACH THE SECONDARY AND THE COIL SHOULD BE LEFT AT THE BASE OF THE POLE FOR DTE PERSONNEL TO ATTACH TO THE POLE AND TAP TO THE SECONDARY.
- TIE ALL EQUIPMENT GROUNDS TOGETHER INSIDE THE SERVICE DISCONNECT BOX.
- IF THE EQUIPMENT IS DESIGNED SO THAT A PORTABLE 120 (240) VOLT GENERATOR CAN BE USED FOR STAND-BY POWER, AN ELECTRICAL TRANSFER SWITCH PER NEC MUST BE INSTALLED BETWEEN THE FEEDS FROM THE GENERATOR AND THE DTE SECONDARY. PLACEMENT OF THE TRANSFER SWITCH IN THE SUPPLY CIRCUIT IS SCHEMATICALLY SHOWN ON SPEC PAGE 1-4-10. THE TRANSFER SWITCH SHOULD BE INSTALLED ON THE EQUIPMENT CABINET. A SERVICE DISCONNECT SWITCH INSTALLED ON THE POLE OR ALTERNATELY ON THE EQUIPMENT CABINET IS REQUIRED TO ELIMINATE POSSIBILITY OF 120 VOLT BACKFEED ON TO THE DTE SYSTEM.
- IF A DC GENERATOR IS USED AS THE BACK-UP POWER SUPPLY TO CHARGE THE STANDBY BATTERIES AND THERE IS NO POSSIBILITY OF BACKFEED TO THE DTE SECONDARY, NO TRANSFER SWITCH IS REQUIRED.
- THE DETROIT EDISON CREW IS TO LEAVE THE SERVICE DISCONNECT SWITCH LOCKED IN THE "OFF" POSITION AFTER THE SERVICE IS CONNECTED. LOCK THE DISCONNECT IN THE "OFF" POSITION USING A DISPOSABLE LOCK.
- ALL CONSTRUCTION MUST BE IN ACCORDANCE WITH APPLICABLE NATIONAL AND LOCAL CODES.

OH POWER SUPPLIES FOR  
FOREIGN EQUIPMENT  
WITH STAND-BY GENERATORS

4-JOINT USE



DETAIL 408D

NOTES:

1. DOUBLE THROW SWITCH MUST BREAK DETROIT EDISON COMPANY SUPPLY BEFORE CLOSING TO STAND-BY GENERATOR.
2. REFER TO PAGE 1-4-8, 1-4-8.1 AND 1-4-9 FOR LOCATION AND ASSEMBLY OF EQUIPMENT ON POLE.
3. USE ONLY 3 WIRE EQUIPMENT GROUNDING EXTENSION CORD TO CONNECT GENERATOR TO TRANSFER SWITCH INLET.
4. THE DETROIT EDISON COMPANY ASSUMES NO RESPONSIBILITY FOR INJURY OR DAMAGES ARISING FROM THE USE OF THIS SPECIFICATION DIAGRAM.