SYMBOL LEGEND

Α ————————————————————————————————————	ANGLE
AB	
CI —	CURRENT LIMITING
D	DOUBLE
DF	DEADEND
F ———	
	FLAT (HORIZONTAL)
FB —	FLAT BRACE
HD —	HEAVY DUTY
l 	INSULATED
PP	PHASE TO PHASE
N —	NEUTRAL
R —	RIDGE OR POLE TOP PIN
Š	SECONDARY, OPEN WIRE
ST	SECONDARY, TRIPLEX
SQ	SECONDARY, QUADRUPLEX
T ———	TRANSFORMED
TERM — UG — UG	· —· · · · · · · —
	01102110110
V	V LIVIIO/ \L
	CROSSARM, 2.4m
X10 —	CROSSARM, 3m

GENERAL NOTES

- 1. SYMBOLS COMPRISING THE OVERHEAD SKETCHES ARE NOT INTENDED TO BE "ALL INCLUSIVE" FOR USE ON EVERY DISTRIBUTION POLE LINE CONFIGURATION. ONLY SKETCHES WHICH REFLECT TYPICAL ARRANGEMENTS ARE INCLUDED. FOR OTHER DESIRED ARRANGEMENTS, PROVIDE SEPARATE DETAILS DRAWN TO REFLECT THE SPECIFIC CONDITIONS.
- 2. THE METHOD OF SHOWING INFORMATION ON SITE PLAN IS OPTIONAL; HOWEVER, IT SHALL BE CONSISTENT WITH INFORMATION CONTAINED IN THE GUIDE LEGEND (APPENDIX C) INCLUDED IN "TECHNICAL GUIDELINES AND CRITERIA FOR ELECTRICAL DESIGN". THE CHARACTERISTICS AND IDENTIFICATION OF ALL CIRCUITS SHALL BE INCLUDED ON THE SITE PLAN.
- EACH SKETCH CONTAINS MATERIAL ITEMS WHICH COMPRISE A PART OF EACH INDIVIDUAL SYMBOL REFERENCED BY THAT SKETCH. THESE ITEMS ARE INDICATED BY CIRCLED NUMERALS WHICH ARE IDENTIFIED BY SKETCHES OH-1.5 AND OH-1.5A.
- 4. SPACING REQUIREMENTS RELATED TO INDIVIDUAL COMPONENTS OF A SYMBOL ARE INDICATED ON THE APPROPRIATE SKETCH. VERTICAL SPACING REQUIREMENTS BETWEEN CIRCUITS AND/OR SYSTEMS ARE INDICATED ON SKETCH OH-1.4. ALL OTHER SEPARATIONS BETWEEN CIRCUITS, EQUIPMENT, ETC., SHALL CONFORM TO THE NATIONAL ELECTRICAL SAFETY CODE, IEEE C2.
- 5. FOR NEW CONSTRUCTION OR OPERATING VOLTAGES GREATER THAN 5KV, LIMIT THE NUMBER OF CONDUCTORS ON ANY CROSSARM TO A MAXIMUM OF 3.
- USE 3m CROSSARMS FOR ALL UNDERBUILD CIRCUITS WITH OPERATING VOLTAGES GREATER THAN 15KV.

THIS INFORMATION IS FOR DESIGNER USE AND SHALL NOT BE INCLUDED ON CONSTRUCTION DRAWINGS.

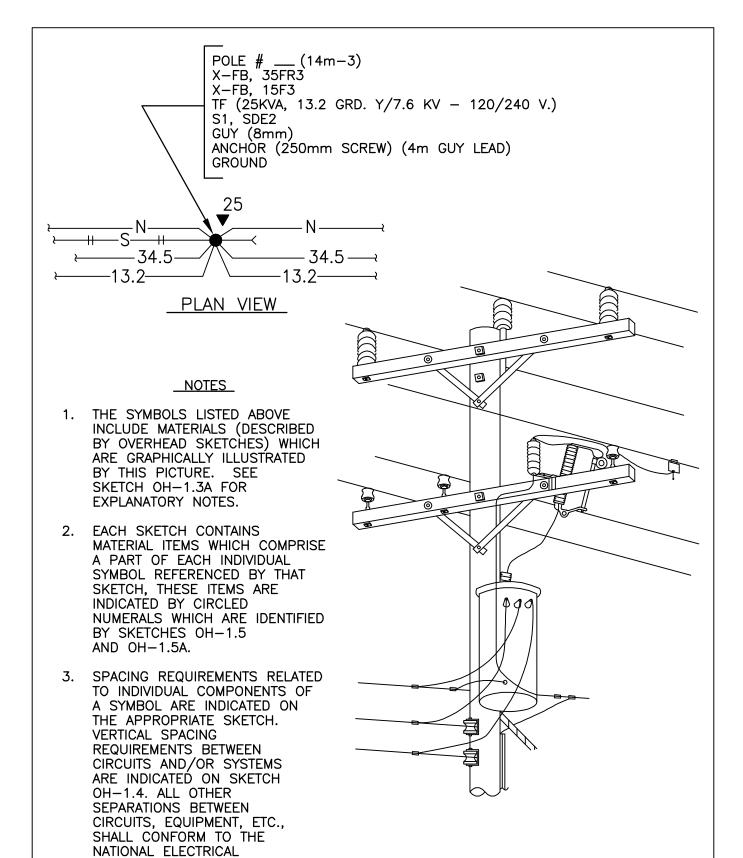
SYMBOL LEGEND & GENERAL NOTES

LIST OF SYMBOLS

SKET	CH NU	MBER_	CATEGORY_
OH-2	THRU	OH-10	CROSSARM SYMBOLS
OH-11	THRU	OH-14	HORIZONTAL (TANGENT OR ANGLE) CONSTRUCTION SYMBOLS
OH-15	THRU	OH-20	HORIZONTAL DEADEND CONSTRUCTION SYMBOLS
OH-21	THRU	OH-25	VERTICAL CONSTRUCTION SYMBOLS
OH-26	THRU	OH-29	TRANSFORMER SYMBOLS
OH-30	THRU	OH-31	UNDERGROUND TERMINAL SYMBOLS
OH-32	THRU	OH-33	GUY SYMBOLS
OH-34	THRU	OH-35	CONDUIT RISER SYMBOLS
OH-36	THRU	OH-40	SECONDARY SYMBOLS
OH-41			GROUND SYMBOL

THIS INFORMATION IS FOR DESIGNER USE AND SHALL NOT BE INCLUDED ON CONSTRUCTION DRAWINGS.

LIST OF SYMBOLS



METHOD OF SHOWING SYMBOLS

SAFETY CODE, IEEE C2.

EXPLANATORY NOTES — METHOD OF SHOWING SYMBOLS

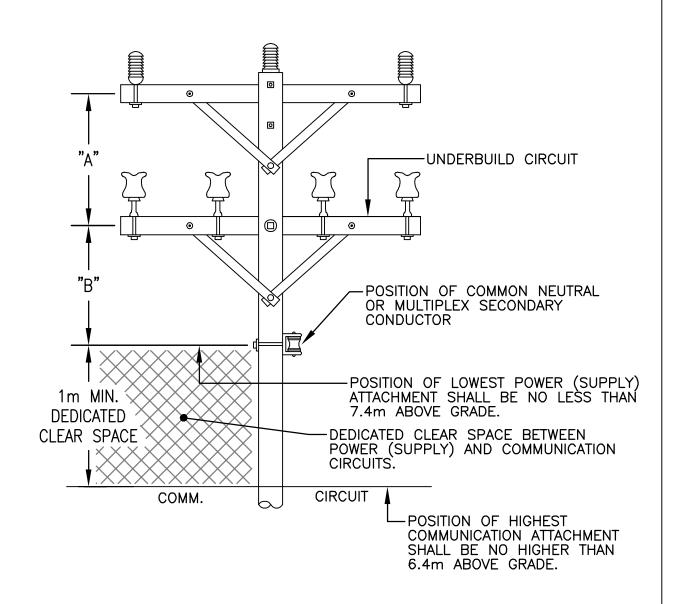
- 1. SYMBOLS ARE SHOWN IN THE <u>BASIC ORDER</u> AS THEY APPEAR ON THE POLE, BY STARTING AT THE TOP AND WORKING DOWN.
- 2. NUMERALS PRECEDING THE SYMBOL INDICATE THE MINIMUM REQUIRED VOLTAGE (KV) RATING (5,15,35) OF THE ASSEMBLY, IF APPLICABLE.
- NUMERAL FOLLOWING THE SYMBOL INDICATES THE NUMBER OF CON-DUCTORS ASSOCIATED WITH THE ASSEMBLY, IF APPLICABLE.
- 4. NUMERAL IN PARENTHESIS FOLLOWING THE SYMBOL DENOTES THE NUMBER OF ASSEMBLIES REQUIRED, IF MORE THAN ONE.
- 5. DATA IN PARENTHESIS FOLLOWING THE SYMBOL PROVIDES INFORMATION RELATIVE TO THE SYMBOL.

EXPLANATION OF SYMBOLS LISTED FOR POLE ON SKETCH OH-1.3

PROVIDE 14m LONG, CLASS 3 POLE CONTAINING:

- X-FB 2.4m CROSSARM WITH FLAT BRACE
- 35FR3 35KV INSULATORS, FLAT (MOUNTED HORIZONTAL ON CROSS-ARM), RIDGE PIN (CENTER PHASE ON POLE TOP PIN), THREE CONDUCTORS
- X-FB 2.4m CROSSARM WITH FLAT BRACE
- 15F3 15KV INSULATORS, FLAT (MOUNTED HORIZONTAL ON CROSSARM), THREE CONDUCTORS. NOTE: THIS SYMBOL CALLS FOR THREE CROSSARM MOUNTED PINS IN LIEU OF RIDGE PIN ON CENTER PHASE.
 - TF TRANSFORMER ON FLAT (HORIZONTAL) CONSTRUCTION. DATA IN PARENTHESIS DESCRIBES THE TRANSFORMER CHARACTERISTICS.
 - S1 SECONDARY, ONE CONDUCTOR, TANGENT CONSTRUCTION (COMMON NEUTRAL).
- SDE2 SECONDARY DEADEND, TWO CONDUCTORS, OPEN WIRE
- GUY (8mm) DOWN GUY WIRE SIZE 8mm
- ANCHOR 250mm SCREW TYPE ANCHOR WITH 4m GUY LEAD. (250mm SCREW) NOTE: NO PLATE IS INCLUDED FOR THE ANCHOR SYMBOL.
 - GROUND NO EXPLANATION NECESSARY

EXPLANATION OF NOTES/SYMBOLS



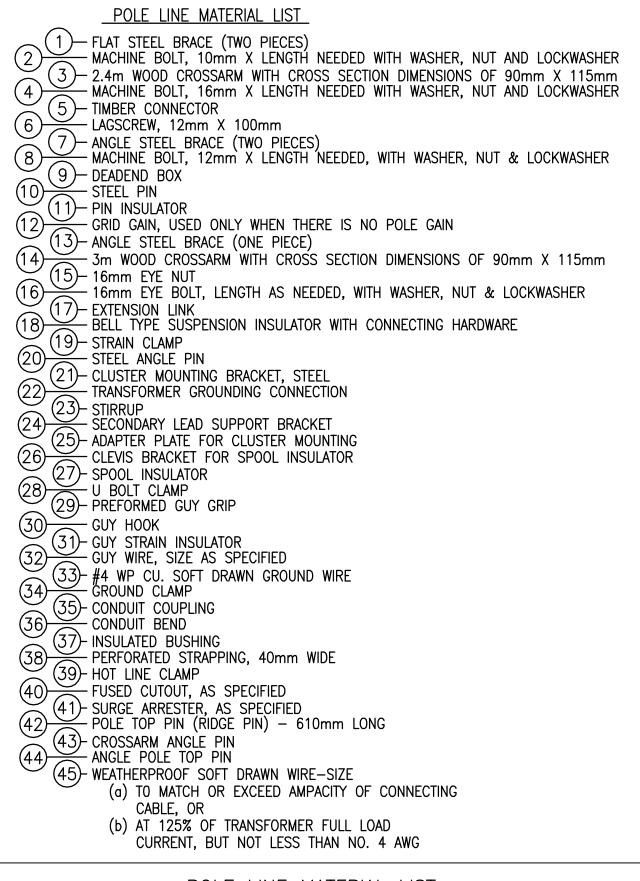
NOTE_

1. FOR HORIZONTAL SPACING REQUIREMENTS FOR CONDUCTORS ON SAME SUPPORT, REFER TO THE NATIONAL ELECTRICAL SAFETY CODE, IEEE C2.

ø-ø VOLTAGE	0-15KV	15-50KV
SPACING "A"	1m	1.2m *
SPACING "B"	1m	1m

* PROVIDE 1.5m CLEARANCE WHEN OPERATING VOLTAGE OF UNDERBUILD CIRCUIT IS GREATER THAN 15KV.

BASIC VERTICAL SPACING REQUIREMENTS

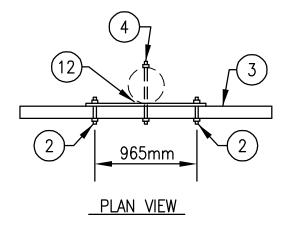


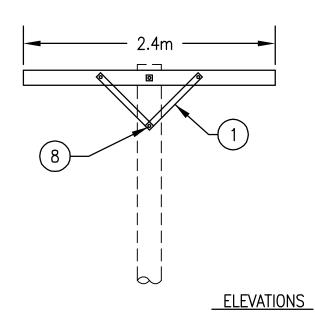
POLE LINE MATERIAL LIST

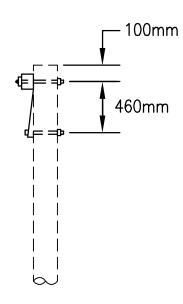
POLE LINE MATERIAL LIST

BACK-UP CURRENT LIMITING FUSE

- TRI-MOUNT BRACKET - TERMINATOR MOUNTING BRACKET CABLE GRIP HANGER HOSE CLAMP - STUD, 20mm X 45mm LINE POST INSULATOR - TRIPLE INSULATOR BRACKET ANGLE CLAMP - INSULATOR, LINE POST CLAMP 1.2m CROSSARM - CROSSARM GAIN BRACKET PULLEY BRACKET WEDGE CLAMP MIDSPAN SERVICE CLAMP 61 STUD, 175mm SADDLE, ANGLE SADDLE CROSSARM FITTING, POLE TOP (65)CONNECTOR SUSPENSION CLAMP (67)- TIE, SERVICE CABLE 1370mm FIBERGLASS STRAIN INSULATOR (69)**PVC RISER SHIELD** PVC EXTENSION SHIELD - PVC BACK PLATE 2.4m WOOD CROSSARM WITH CROSS SECTION DIMENSIONS OF 120mm X 145mm 3m WOOD CROSSARM WITH CROSS SECTION DIMENSIONS OF 120mm X 145mm



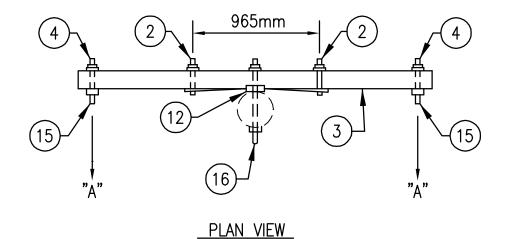


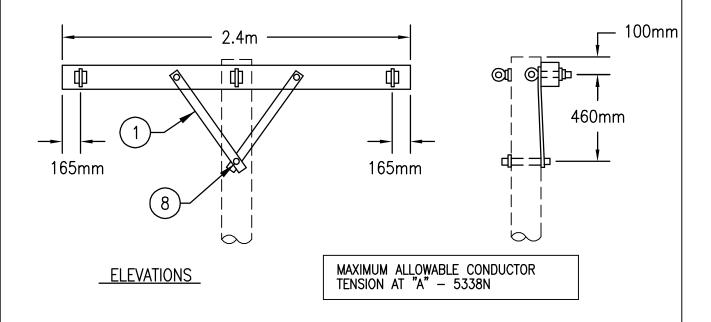


<u>NOTE</u>

DRAWING INDICATES SYMBOL X-FB. SUBSTITUTE 7 FOR 1 ON SYMBOL X-AB.

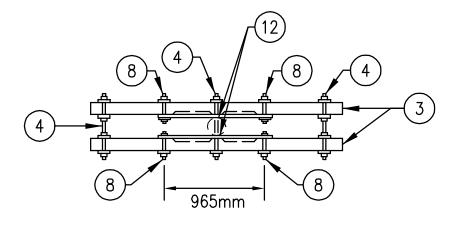
X-FB X-AB



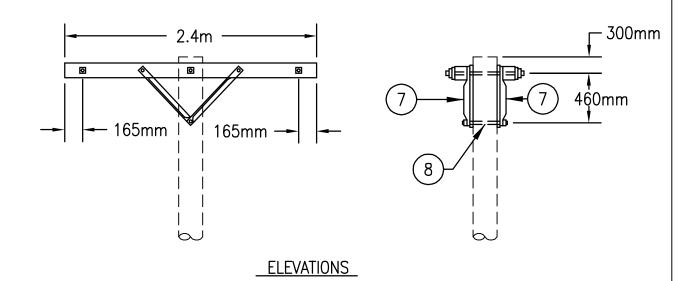


DRAWING INDICATES SYMBOL X-DE-FB. SUBSTITUTE \bigcirc FOR \bigcirc ON SYMBOL X-DE-AB.

X-DE-FB X-DE-AB				
	SKETCH DATE	JUNE 2002	STYLE	OH-3



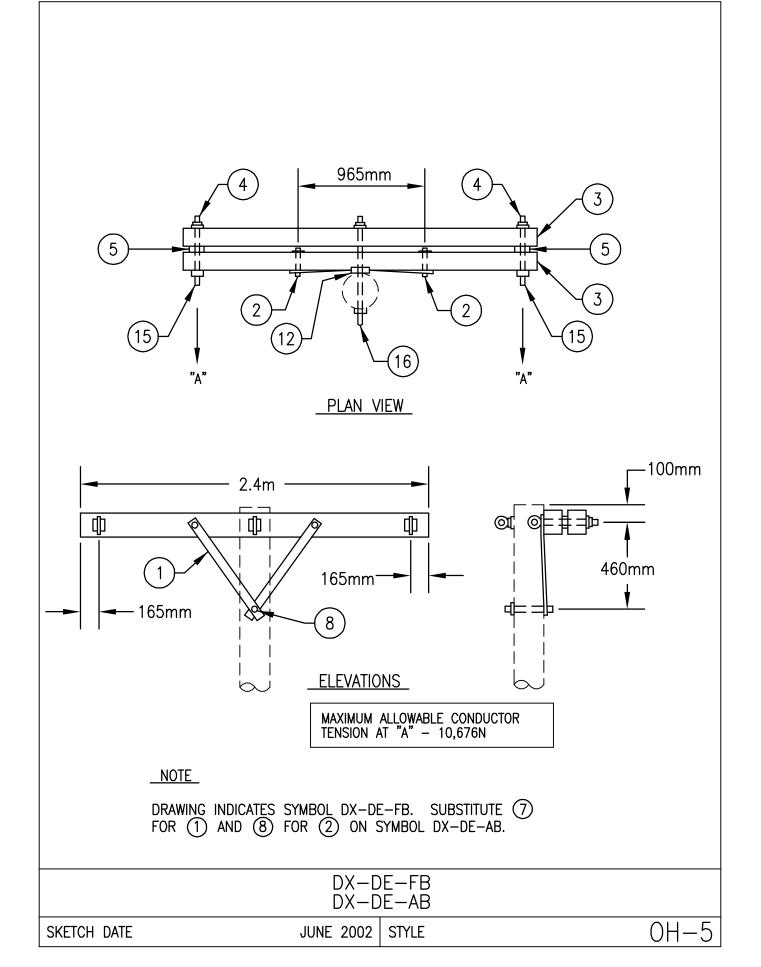
PLAN VIEW

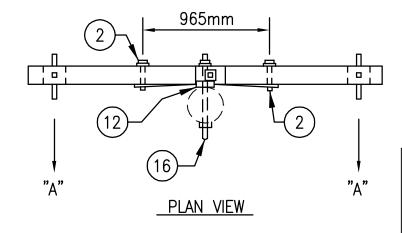


<u>NOTE</u>

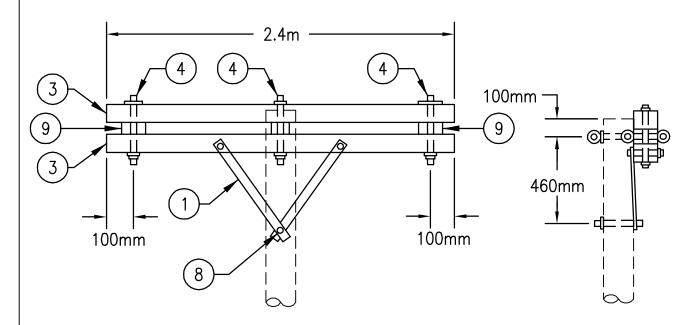
DRAWING INDICATES SYMBOL DX-AB. SUBSTITUTE 1 FOR 7 ON SYMBOL DX-FB.

DX-AB DX-FB			
SKETCH DATE	JUNE 2002	STYLE	0H-4





MAXIMUM ALLOWABLE CONDUCTOR TENSIONS AT "A" - 15,569N EXCEPT 21,129N FOR NOTE 2 SYMBOL.

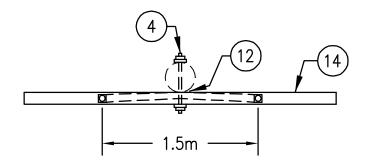


ELEVATIONS

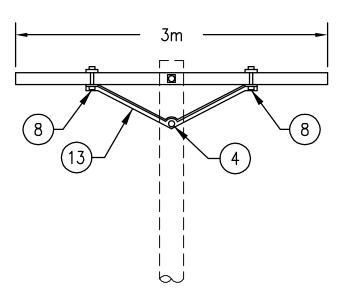
<u>NOTES</u>

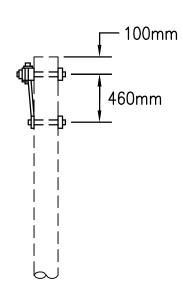
- 1. DRAWING INDICATES SYMBOL DX-DE-FB-BOX. SUBSTITUTE 7 FOR 1 AND 8 FOR 2 ON SYMBOL DX-DE-AB-BOX.
- 2. SUBSTITUTE 72 FOR 3 , 7 FOR 1 , AND 8 FOR 2 ON SYMBOL DX-DE-AB-BOX-HD.

DX-DE-FB-BOX,	DX-DE-AB-BOX
DX-DE-AB	-BOX-HD



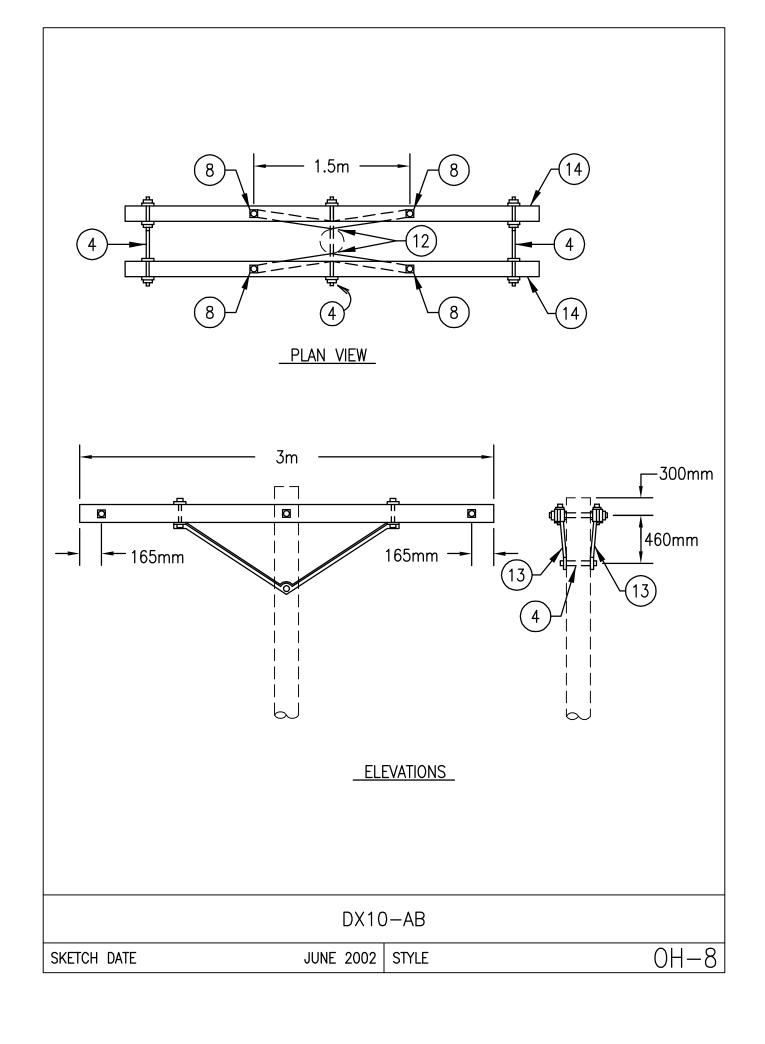
PLAN VIEW

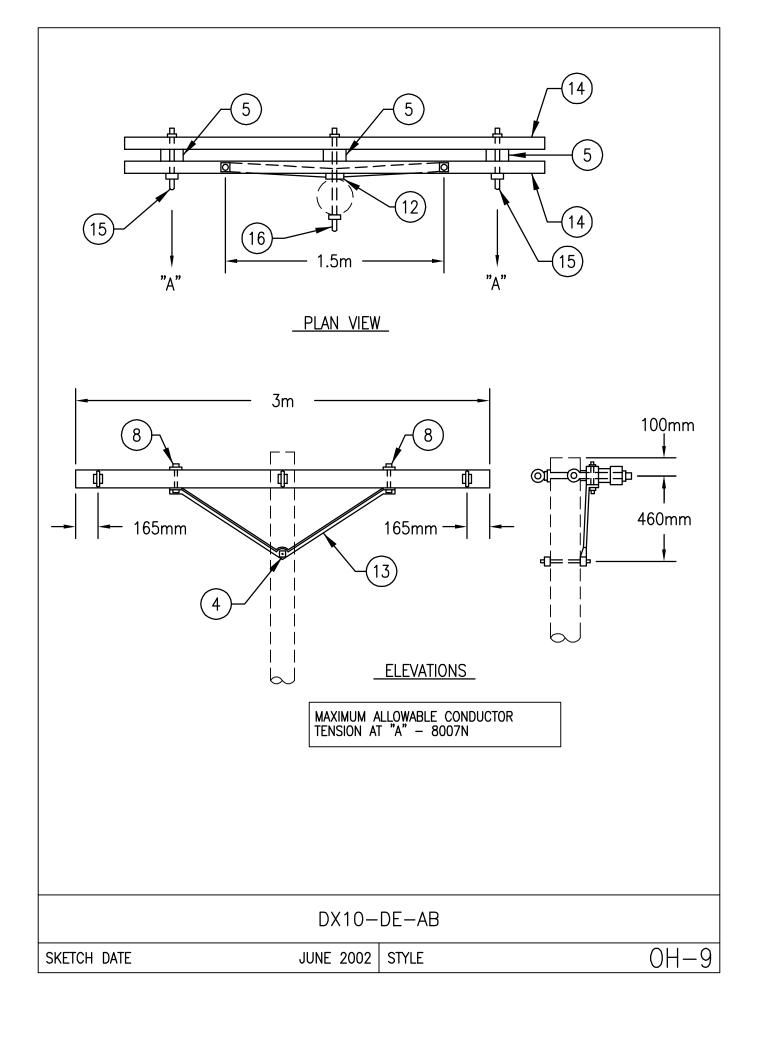


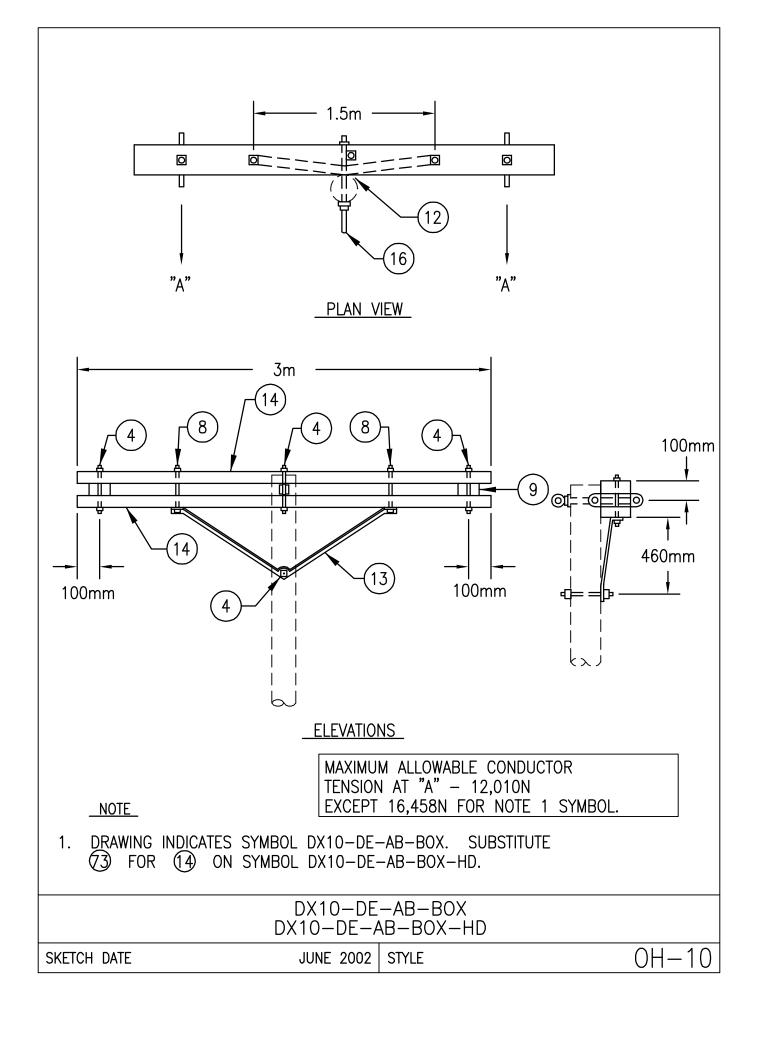


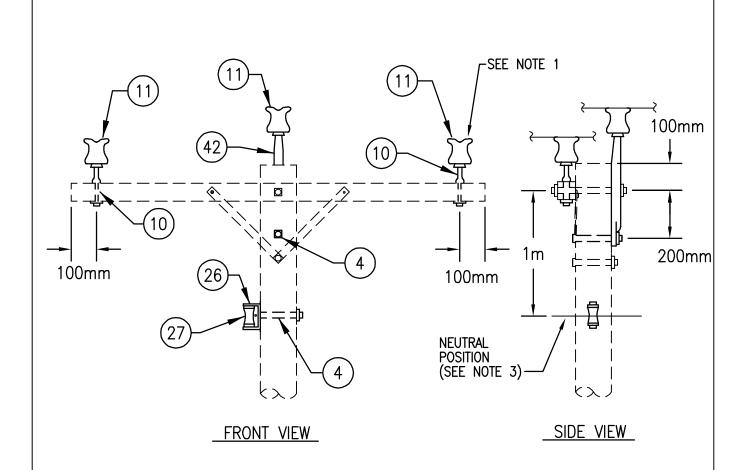
<u>ELEVATIONS</u>

X10-AB







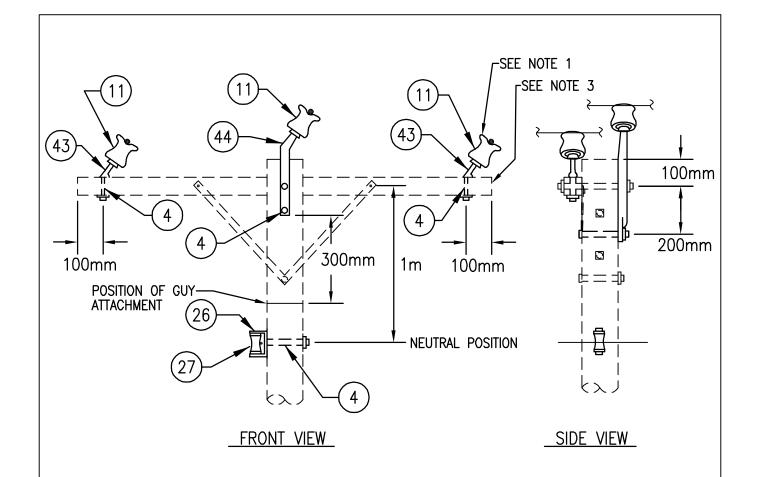


SEE SPECIFICATION SECTION 16301 FOR THE REQUIRED A.N.S.I. INSULATOR CLASS.

NOTES

- 1. DRAWING REPRESENTS SYMBOL FR3-N FOR VOLTAGES UP TO 15KV. ON CIRCUIT VOLTAGE OPERATING LEVELS GREATER THAN 15 KV, SUBSTITUTE (52) FOR (11), (64) FOR (42) AND (61) FOR (10).
- 2. ELIMINATE (4), (26) AND (27) FOR NEUTRAL POSITION ON SYMBOL FR3.
- 3. MODIFY THE 1m NEUTRAL SPACING AS INDICATED ON OTHER SKETCHES FOR TRANSFORMER AND U.G. TERMINAL INSTALLATIONS.

FR3-N, FR3 (0-50KV)			
SKETCH DATE	JUNE 2002	STYLE	OH-11



SEE SPECIFICATION SECTION 16301 FOR THE REQUIRED A.N.S.I. INSULATOR CLASS.

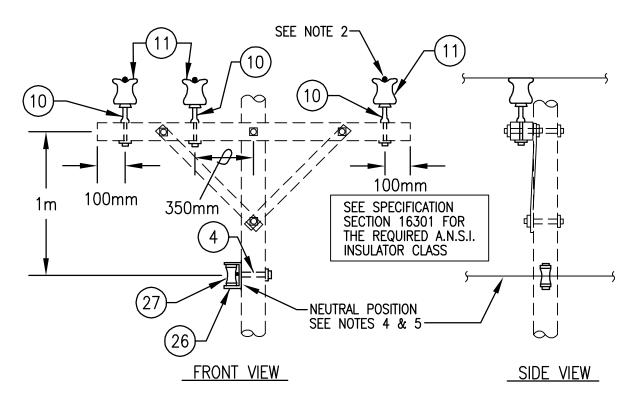
NOTES

- 1. DRAWING REPRESENTS SYMBOL FRA3-N FOR VOLTAGES UP TO 15KV. ON CIRCUIT VOLTAGE OPERATING LEVELS GREATER THAN 15 KV, SUBSTITUTE (52) FOR (11), (61), (62), AND (63) FOR (44).
- 2. ELIMINATE 4, 26 & 27 FOR NEUTRAL POSITION ON SYMBOL FRA3.
- 3. CROSSARM SPACING FROM TOP OF POLE INCREASES FROM 100mm TO 300mm WHEN DOUBLE CROSSARMS (AND INSULATORS) ARE USED.

FRA3-N, FRA3 (0-50 KV)SKETCH DATE

JUNE 2002 STYLE

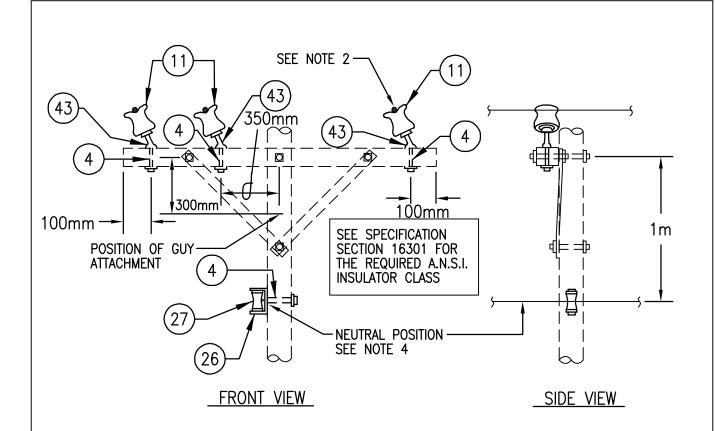
OH-12



NOTES

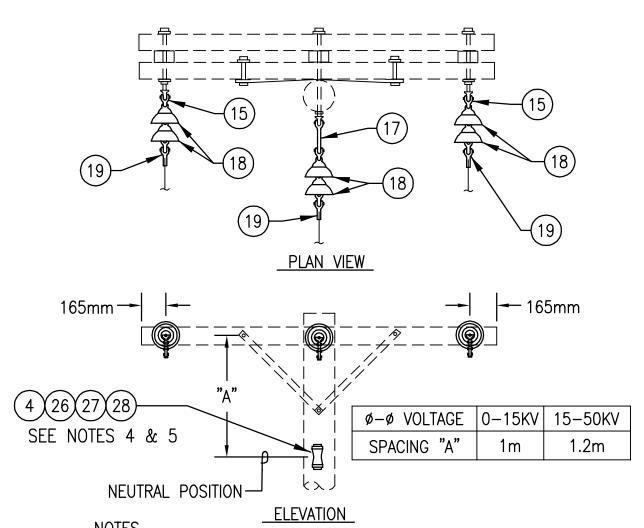
- 1. DRAWING REPRESENTS SYMBOL F3-N FOR VOLTAGES UP TO 15KV (3-PHASE CONDUCTORS). MODIFY INSULATOR ASSEMBLIES AS REQUIRED TO COINCIDE WITH THE NUMBER OF PHASE CONDUCTORS.
- 2. FOR CIRCUIT VOLTAGE OPERATING LEVELS GREATER THAN 15KV, SUBSTITUTE (52) FOR (11) AND (61) FOR (10).
- 3. OMIT ITEMS (4), (26) AND (27) FOR NEUTRAL ON ALL SYMBOLS WHICH DO NOT CONTAIN "N".
- 4. IT SHALL BE PERMISSIBLE TO UTILIZE THE F4 SYMBOL & MOUNT THE NEUTRAL (AS THE FOURTH CONDUCTOR) ON THE CROSSARM WHEN MAINTAINING EXISTING FACILITIES FOR VOLTAGES UP TO 15KV ON WHICH THE NEUTRAL IS LOCATED ON THE CROSSARM. THIS NON-STANDARD ARRANGEMENT SHALL NOT BE USED FOR NEW LINE EXTENSIONS.
- 5. MODIFY THE 1m NEUTRAL SPACING AS INDICATED ON OTHER SKETCHES FOR TRANSFORMER AND U.G. TERMINAL INSTALLATIONS.

F3-N, F3, F2-N, F2, F1, F4 (0-50KV)



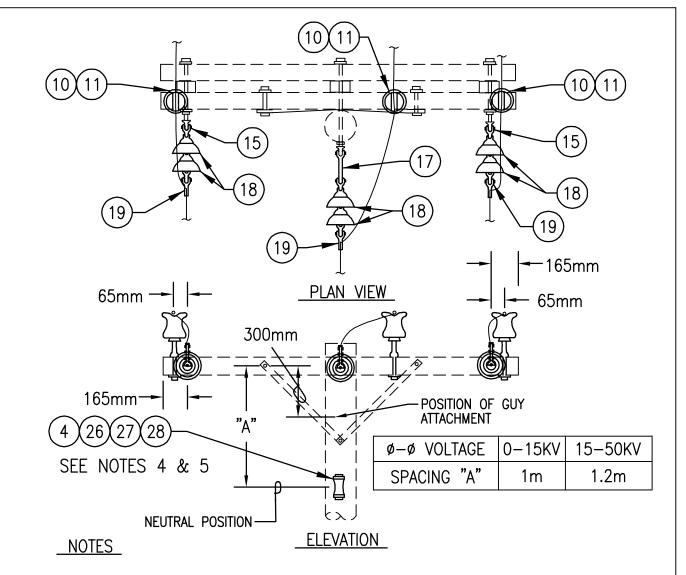
- 1. DRAWING REPRESENTS SYMBOL FA3—N FOR VOLTAGES UP TO 15KV (3—PHASE CONDUCTORS). MODIFY INSULATOR ASSEMBLIES AS REQUIRED TO COINCIDE WITH THE NUMBER OF PHASE CONDUCTORS.
- 2. FOR CIRCUIT VOLTAGE OPERATING LEVELS GREATER THAN 15KV, SUBSTITUTE (52) FOR (11) AND (61), (62), (63) FOR (43).
- 3. OMIT ITEMS 4, 26 AND 27 FOR NEUTRAL ON ALL SYMBOLS WHICH DO NOT CONTAIN "N".
- 4. IT SHALL BE PERMISSIBLE TO UTILIZE THE F4 SYMBOL & MOUNT THE NEUTRAL (AS THE FOURTH CONDUCTOR) ON THE CROSSARM WHEN MAINTAINING EXIST. FACILITIES FOR VOLTAGES UP TO 15KV ON WHICH THE NEUTRAL IS LOCATED ON THE CROSSARM. THIS NON-STANDARD ARRANGEMENT SHALL NOT BE USED FOR NEW LINE EXTENSIONS.

FA3-N, FA3, FA2-N, FA2, FA4 (0-50KV)



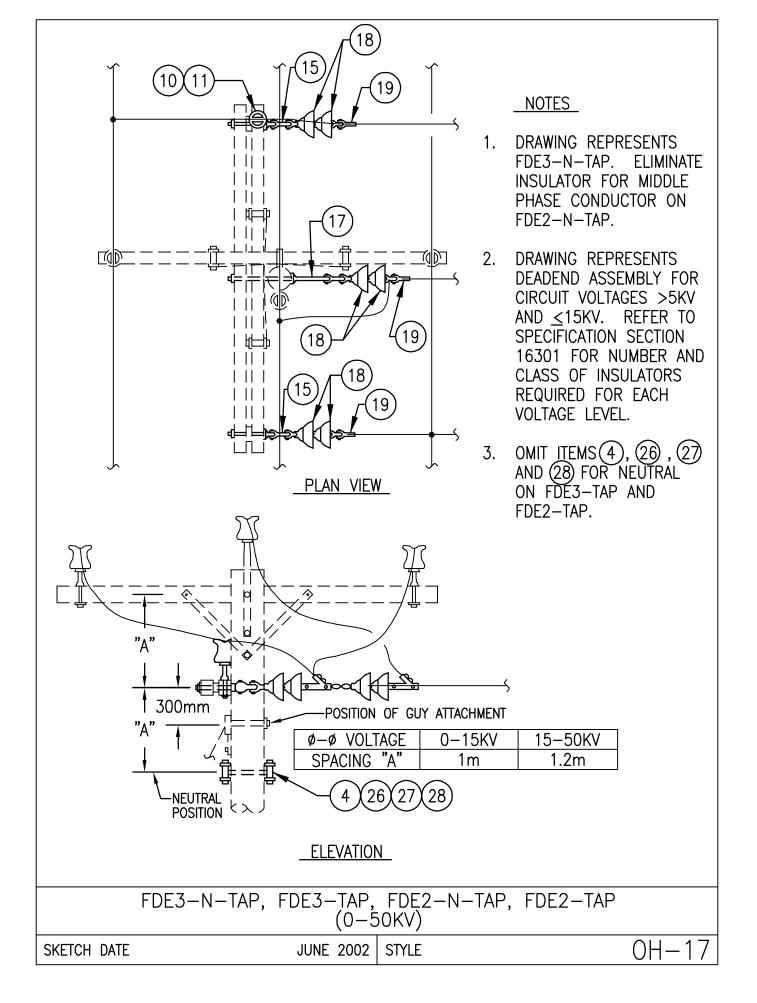
- 1. DRAWING REPRESENTS SYMBOL FDE3-N. ELIMINATE INSULATOR ASSEMBLY FOR MIDDLE PHASE ON SYMBOLS FDE2 AND FDE2-N.
- 2. DRAWING REPRESENTS DEADEND ASSEMBLY FOR CIRCUIT VOLTAGES >5KV AND ≤15KV. REFER TO SPECIFICATIONS SECTION 16301 FOR NUMBER AND CLASS OF INSULATORS REQUIRED FOR EACH VOLTAGE LEVEL.
- 3. OMIT ITEMS 4, 26 27 AND 28 FOR NEUTRAL ON FDE2 AND FDE3.
- 4. FOR NEUTRAL CONDUCTOR LARGER THAN #2 AWG, SUBSTITUTE (19) FOR (26), (27) AND (28).
- 5. MODIFY THE NEUTRAL SPACING "A" AS INDICATED ON OTHER SKETCHES FOR TRANSFORMER AND U.G. TERMINAL INSTALLATIONS.

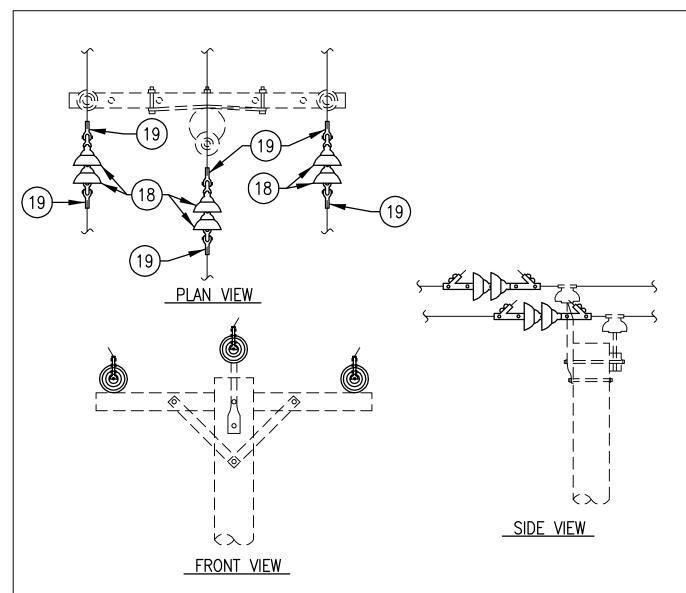
FDE3-N,	FDE3,	FDE2-N,	FDE2
·	(0-5)	OKV)	



- 1. DRAWING REPRESENTS FDE3—N—SLACK FOR VOLTAGES UP TO 15KV. ELIMINATE INSULATOR ASSEMBLIES FOR MIDDLE PHASE ON FDE2—SLACK AND FDE2—N—SLACK.
- 2. DRAWING REPRESENTS DEADEND ASSEMBLY FOR CIRCUIT VOLTAGES >5KV AND ≤15KV. REFER TO SPECIFICATION SECTION 16301 FOR NUMBER AND CLASS OF INSULATORS REQUIRED FOR EACH VOLTAGE LEVEL.
- 3. OMIT ITEMS (4), (26) (27) AND (28) ON FDE2-SLACK AND FDE3-SLACK.
- 4. FOR NEUTRAL CONDUCTOR LARGER THAN #2 AWG, SUBSTITUTE (19) FOR (26), (27) AND (28).
- 5. TWO INSULATOR ASSEMBLIES (ITEMS 26) 27 28 4) REQUIRED FOR THE NEUTRAL CONDUCTOR.
- 6. SLACK SPAN CONSTRUCTION LIMITED TO MAXIMUM SPAN LENGTH OF 24m.

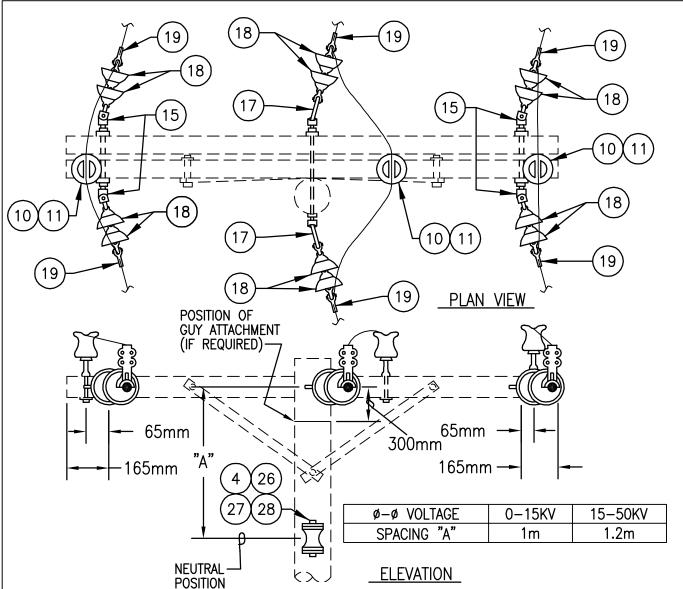
FDE3-N-SLACK, FDE3-SLACK, FDE2-N-SLACK, FDE2-SLACK (0-50KV)





- 1. DRAWING REPRESENTS FDE3-FLOATING. ELIMINATE INSULATOR ASSEMBLIES FOR MIDDLE PHASE ON FDE2-FLOATING.
- 2. DRAWING REPRESENTS FLOATING DEADEND ASSEMBLY FOR CIRCUIT VOLTAGES >5KV AND ≤15KV. REFER TO SPECIFICATION SECTION 16301 FOR NUMBER AND CLASS OF INSULATORS REQUIRED FOR EACH VOLTAGE LEVEL.
- 3. THIS CONSTRUCTION IS TO BE USED FOR INSTALLING A DELIBERATE BREAK IN A CIRCUIT FOR SECTIONALIZING PURPOSES.

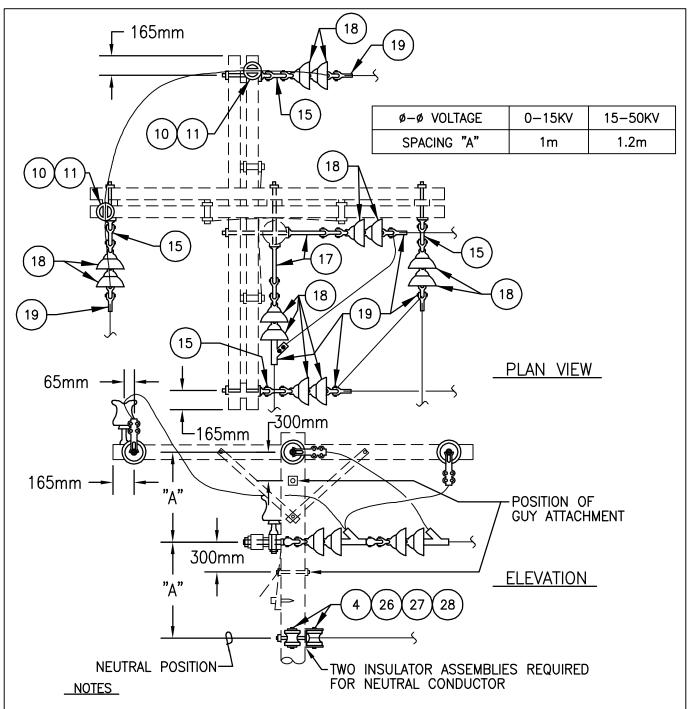
FDE3-FLOATING,	FDE2-FLOATING
(0-5	OKV)



NOTES

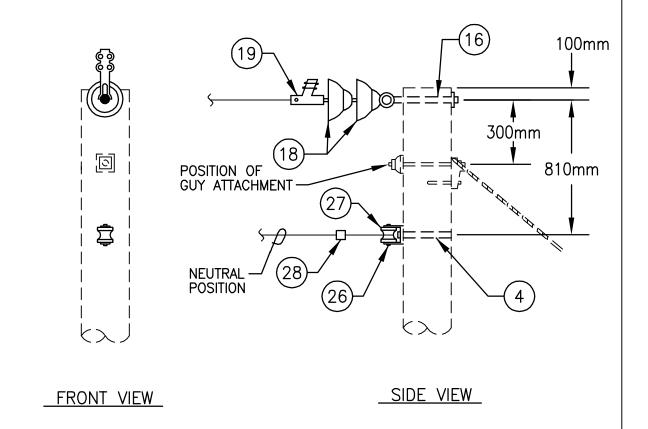
- 1. DRAWING REPRESENTS FDDE3—N. ELIMINATE INSULATOR ASSEMBLIES FOR MIDDLE PHASE ON FDDE2 AND FDDE2—N.
- 2. DRAWING REPRESENTS DEADEND ASSEMBLY FOR CIRCUIT VOLTAGES >5KV AND ≤15KV. REFER TO SPECIFICATION SECTION 16301 FOR NUMBER AND CLASS OF INSULATORS REQUIRED FOR EACH VOLTAGE LEVEL.
- 3. OMIT ITEMS (4), (26), (27) AND (28) FOR NEUTRAL ON FDDE2 AND FDDE3.
- 4. FOR NEUTRAL CONDUCTOR LARGER THAN #2 AWG, SUBSTITUTE (19) FOR (26), (27) AND (28).
- 5. TWO INSULATOR ASSEMBLIES (26), 27 AND 28) REQUIRED FOR NEUTRAL CONDUCTOR.

	FDDE3-N, FDDE3, 0-5	FDDE2-N, 50KV)	FDDE2	
SKETCH DATE	JUNE 2002	STYLE		OH-19



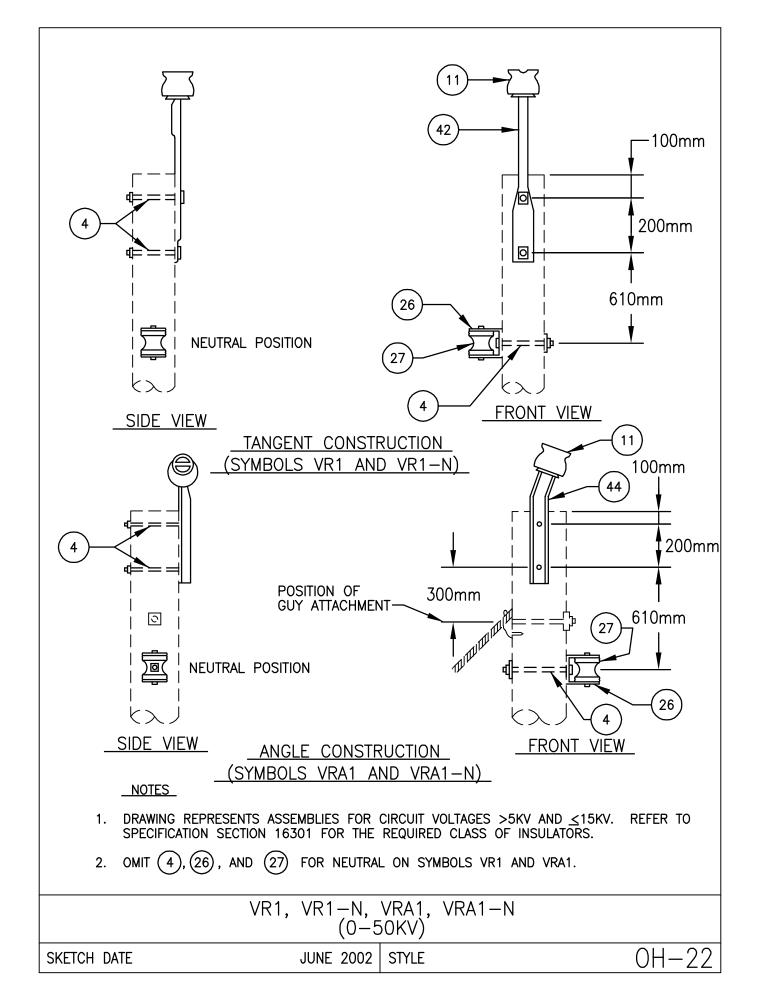
- 1. DRAWING REPRESENTS FDDE3-N-BUCK. ELIMINATE INSULATOR ASSEMBLIES FOR MIDDLE PHASE ON FDDE2-BUCK AND FDDE2-N-BUCK.
- 2. DRAWING REPRESENTS DEADEND ASSEMBLY FOR CIRCUIT VOLTAGES >5KV AND ≤15KV. REFER TO SPECIFICATION SECTION 16301 FOR NUMBER AND CLASS OF INSULATORS REQUIRED FOR EACH VOLTAGE LEVEL.
- 3. OMIT ITEMS (4), (26), (27) AND (28) FOR NEUTRAL ON FDDE2-BUCK AND FDDE3-BUCK.
- 4. FOR NEUTRAL CONDUCTOR LARGER THAN #2 AWG, SUBSTITUTE (19) FOR (26), (27) AND (28).

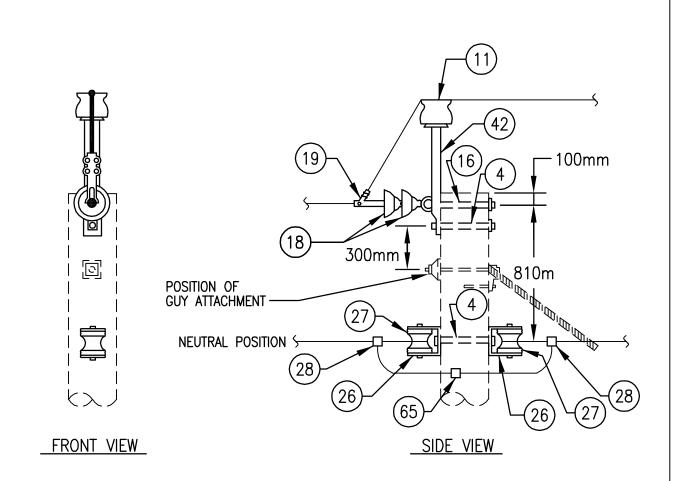
FDDE3-N-BUCK, FDDE3-BUCK, FDDE2-N-BUCK, FDDE2-BUCK (0-50KV)



- DRAWING REPRESENTS DEADEND ASSEMBLY FOR CIRCUIT VOLTAGES >5KV AND ≤15KV. REFER TO SPECIFICATION SECTION 16301 FOR NUMBER AND CLASS OF INSULATORS REQUIRED FOR EACH VOLTAGE LEVEL.
- 2. OMIT ITEMS 4, 20, 27 AND 28 FOR NEUTRAL ON SYMBOL VDE1.

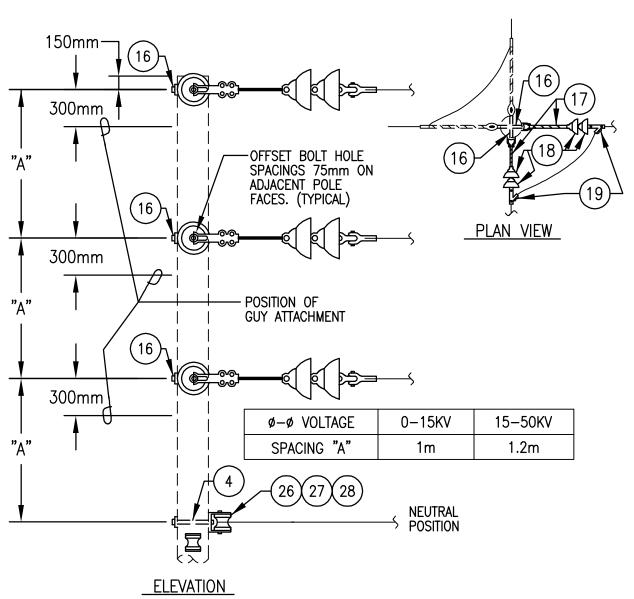
	VDE1-1 (0-5	N, VDE1 50KV)	
SKETCH DATE	JUNE 2002	STYLE	OH-21





- DRAWING REPRESENTS ASSEMBLY FOR CIRCUIT VOLTAGES >5KV AND ≤15KV. REFER TO SPECIFICATION SECTION 16301 FOR THE REQUIRED NUMBER AND CLASS OF INSULATORS.
- 2. OMIT ITEMS 4, 26, 27 AND 28 FOR NEUTRAL ON SYMBOL VDE1-SLACK.
- 3. SINGLE PHASE SLACK SPAN CONSTRUCTION LIMITED TO MAXIMUM SPAN LENGTH OF 24m.

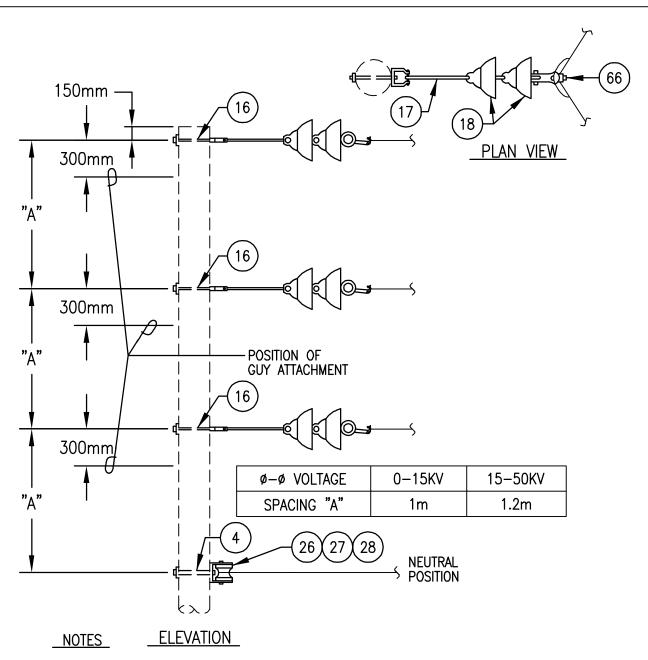
VDE1-N-SLACK,	VDE1-SLACK
(0-5ÓI	



NOTES

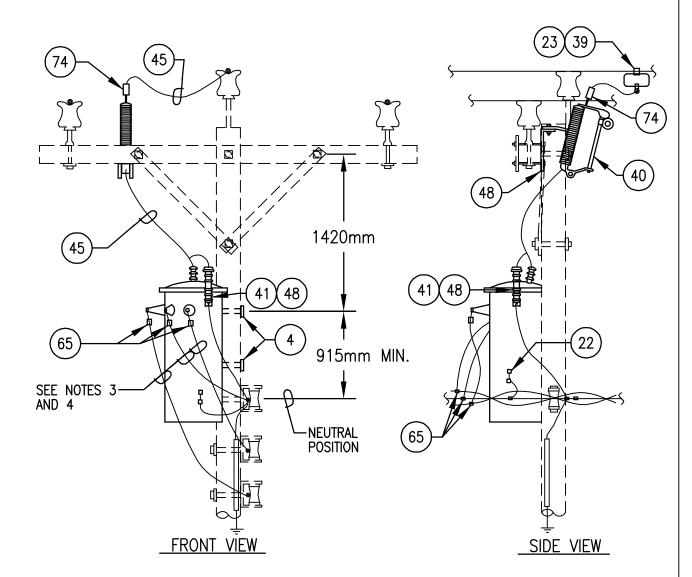
- 1. DRAWING REPRESENTS VDDE3-N FOR CIRCUIT VOLTAGES >5KV AND ≤15KV. MODIFY INSULATOR ASSEMBLIES AS REQUIRED TO COINCIDE WITH THE NUMBER OF PHASE CONDUCTORS. REFER TO SPECIFICATION SECTION 16301 FOR THE REQUIRED NUMBER AND CLASS OF INSULATORS.
- 2. OMIT ITEMS (4) (26) (27) AND (28) FOR NEUTRAL ON ALL SYMBOLS WHICH DO NOT CONTAIN "N".
- 3. FOR NEUTRAL CONDUCTORS LARGER THAN #1/0 AWG, PROVIDE (5) AND (9) IN LIEU OF (6) (27) AND (28). TWO INSULATOR ASSEMBLIES REQUIRED FOR NEUTRAL.

VDDE3-N, VDDE3, VDDE2-N, VDDE2, VDDE1-N, VDDE1 (0-50KV)



- 1. DRAWING REPRESENTS VA3-N. MODIFY INSULATOR ASSEMBLIES AS REQUIRED TO COINCIDE WITH THE NUMBER OF PHASE CONDUCTORS.
- 2. OMIT ITEMS 4 26 27 AND 28 FOR NEUTRAL ON ALL SYMBOLS WHICH DO NOT CONTAIN "N".
- 3. DRAWING REPRESENTS ASSEMBLY FOR CIRCUIT VOLTAGES >5KV AND \leq 15KV. REFER TO SPECIFICATION SECTION 16301 FOR THE REQUIRED NUMBER AND CLASS OF INSULATORS.

VA3-N,	VA3,	VA2-N,	VA2,	VA1−N,	VA1
VA3-N,	·	(0-50k	<v)< td=""><td>ŕ</td><td></td></v)<>	ŕ	

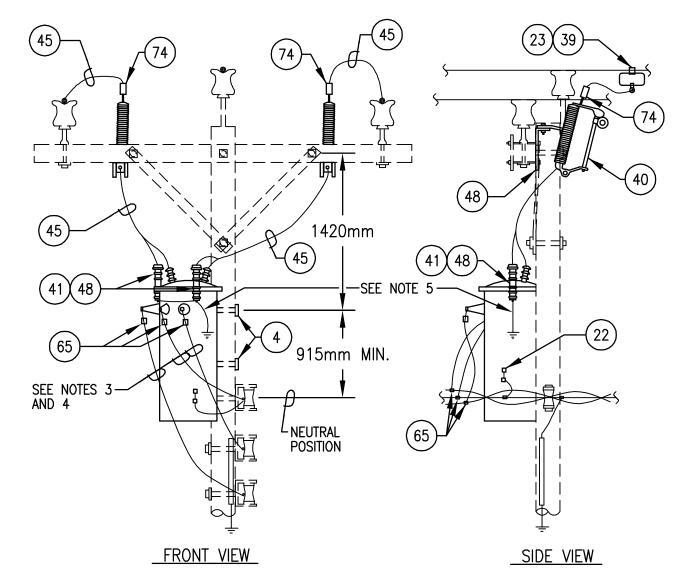


NOTES

SKETCH DATE

- 1. DRAWING REPRESENTS TF-CL. OMIT ITEM (74) FOR SYMBOL TF.
- 2. MODIFY CONNECTIONS AS REQUIRED TO ACCOMODATE TRANSFORMERS WITH PRIMARY BUSHING ARRANGEMENTS OTHER THAN SHOWN.
- 3. WHEN TRANSFORMER PROVIDES UNDERGROUND SERVICE, SIZE SECONDARY OR SERVICE CONDUCTORS AS INDICATED.
- 4. WHEN TRANSFORMER SECONDARY LEADS CONNECT TO OPEN WIRE OR TRIPLEX SECONDARY, CONDUCTOR SHALL HAVE 600 VOLT INSULATION RATING AND MINIMUM AMPACITY OF 125% OF TRANSFORMER FULL LOAD SECONDARY CURRENT.

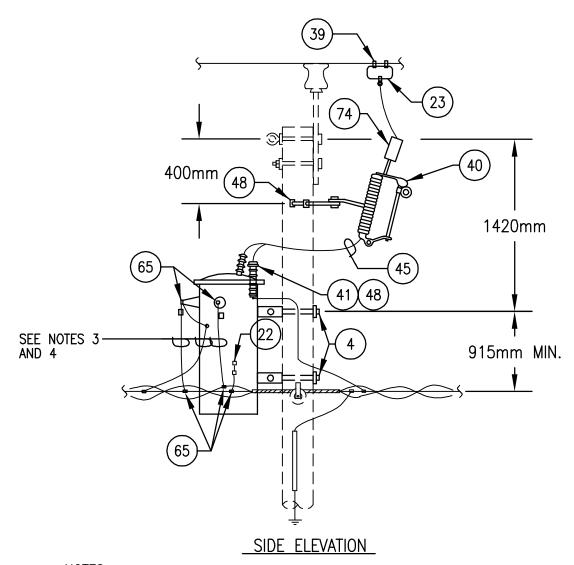
IF-CL, IF	(U-15KV)	
JUNE 2002	STYLE	0H-26



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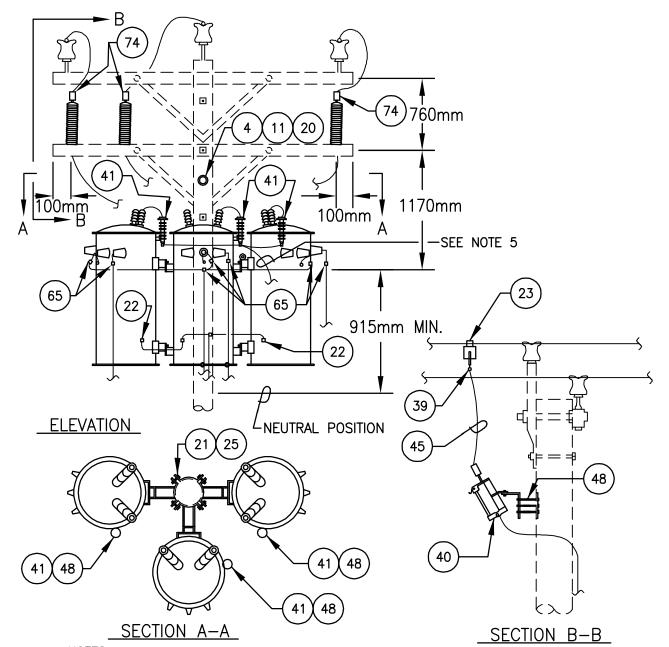
- 1. DRAWING REPRESENTS TFPP-CL. OMIT ITEM (74) FOR SYMBOL TFPP.
- 2. MODIFY CONNECTIONS AS REQUIRED TO ACCOMODATE TRANSFORMERS WITH PRIMARY BUSHING ARRANGEMENTS OTHER THAN SHOWN.
- 3. WHEN TRANSFORMER SECONDARY LEADS CONNECT TO OPEN WIRE OR TRIPLEX SECONDARY, CONDUCTOR SHALL HAVE 600 VOLT INSULATION RATING AND MINIMUM AMPACITY OF 125% OF TRANSFORMER FULL LOAD SECONDARY CURRENT.
- 4. WHEN TRANSFORMER PROVIDES UNDERGROUND SERVICE, SIZE SECONDARY OR SERVICE CONDUCTORS AS INDICATED.
- 5. CONNECT SURGE ARRESTERS TO A PRIMARY GROUNDING ELECTRODE SEPARATE FROM THE SECONDARY NEUTRAL GROUNDING ELECTRODE. SEE GROUNDING NOTES ON SKETCH OH-41.

TFPP-CL, TFPP (0-15KV)



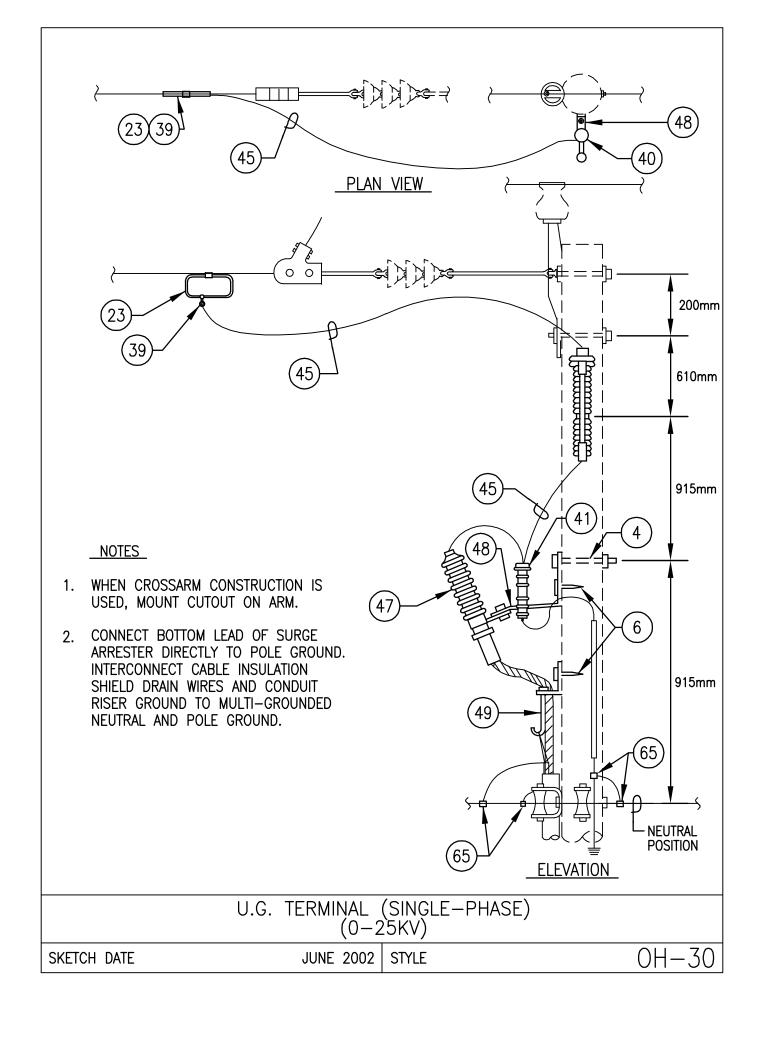
- 1. DRAWING REPRESENTS TV-CL. OMIT ITEM (74) FOR SYMBOL TV.
- 2. MODIFY CONNECTIONS AS REQUIRED TO ACCOMODATE TRANSFORMERS WITH PRIMARY BUSHING ARRANGEMENTS OTHER THAN SHOWN.
- 3. WHEN TRANSFORMER SECONDARY LEADS CONNECT TO OPEN WIRE OR TRIPLEX SECONDARY, CONDUCTOR SHALL HAVE 600 VOLT INSULATION RATING AND MINIMUM AMPACITY OF 125% OF TRANSFORMER FULL LOAD SECONDARY CURRENT.
- 4. WHEN TRANSFORMER PROVIDES UNDERGROUND SERVICE, SIZE SECONDARY OR SERVICE CONDUCTORS AS INDICATED.

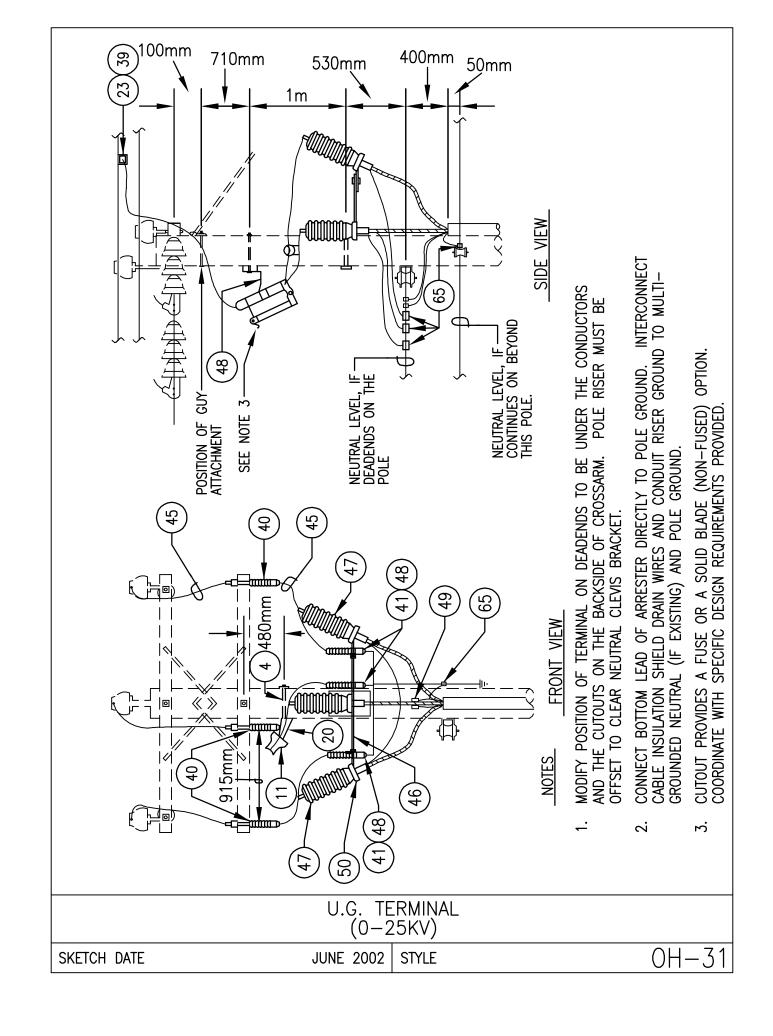
TV-CL, TV (0-15KV)

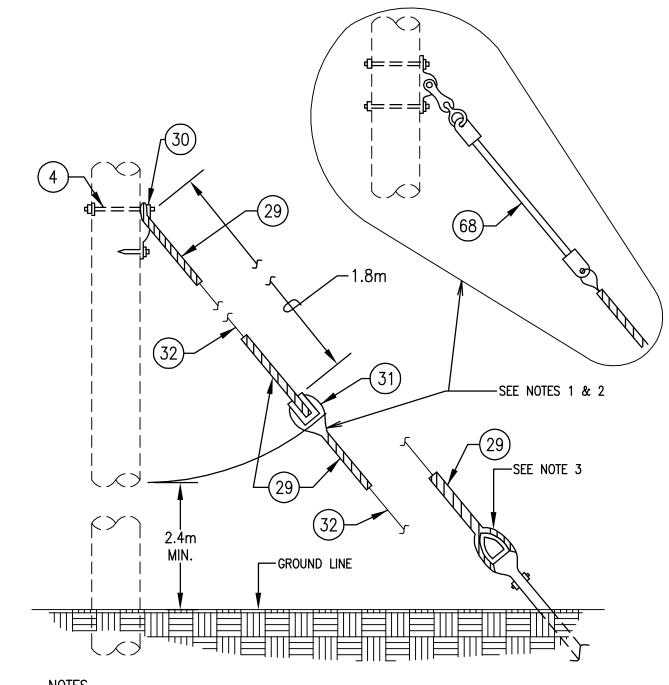


- 1. DRAWING REPRESENTS TIT-CL. OMIT ITEM (74) FOR SYMBOL TIT.
- 2. MODIFY CONNECTIONS AS REQUIRED TO ACCOMODATE TRANSFORMERS WITH PRIMARY BUSHING ARRANGEMENTS OTHER THAN SHOWN.
- WHEN TRANSFORMER SECONDARY LEADS CONNECT TO OPEN WIRE OR QUADRUPLEX SECONDARY, CONDUCTOR SHALL HAVE 600 VOLT INSULATION RATING AND MINIMUM AMPACITY OF 125% OF TRANSFORMER FULL LOAD SECONDARY CURRENT.
- 4. WHEN TRANSFORMER PROVIDES UNDERGROUND SERVICE, SIZE SECONDARY OR SERVICE CONDUCTORS AS INDICATED.
- 5. CONNECT TO SYSTEM NEUTRAL IF THE PRIMARY CIRCUIT IS A 4 WIRE MULTI-GROUNDED SYSTEM. CONNECT TO A PRIMARY GROUNDING ELECTRODE SEPARATE FROM THE SECONDARY NEUTRAL IF THE PRIMARY CIRCUIT IS A 3 WIRE SYSTEM. SEE GROUNDING NOTES ON SKETCH OH-41.

TTT-CL, TTT (0-	·ISKV)
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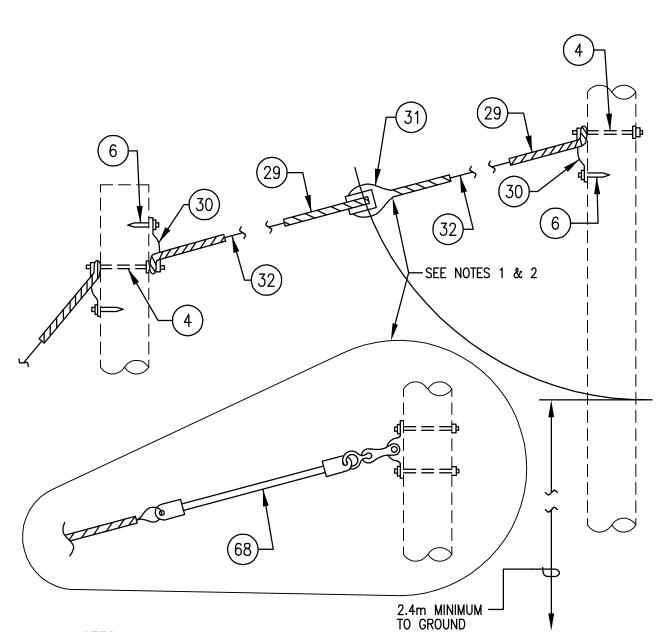




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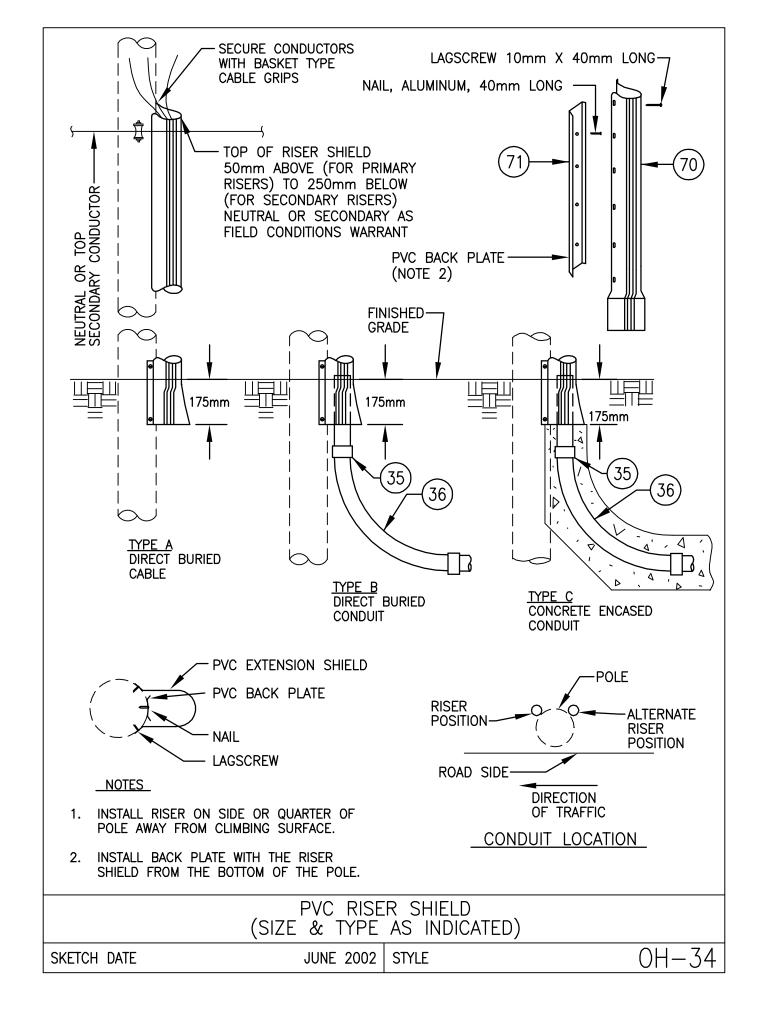
- 1. DRAWING REPRESENTS SYMBOL FOR "GUY-I". OMIT ITEM (31) FOR THE "GUY" SYMBOL.
- ON CIRCUIT OPERATING VOLTAGES GREATER THAN 15KV, SUBSTITUTE (68) FOR (31). COORDINATE INSTALLATION WITH ANCHOR AS SPECIFIED.
- UTILIZE ITEM (68) WHEN GUYING ATTACHMENT IS LOCATED IN THE PRIMARY AREA OF THE POLE AS INDICATED BY SPECIFIC DESIGN REQUIREMENTS PROVIDED.
- BOND ALL GUYS (SUPPLY & COMMUNICATION) AND CONNECT TO POLE GROUND AND SYSTEM NEUTRAL (IF EXISTING).

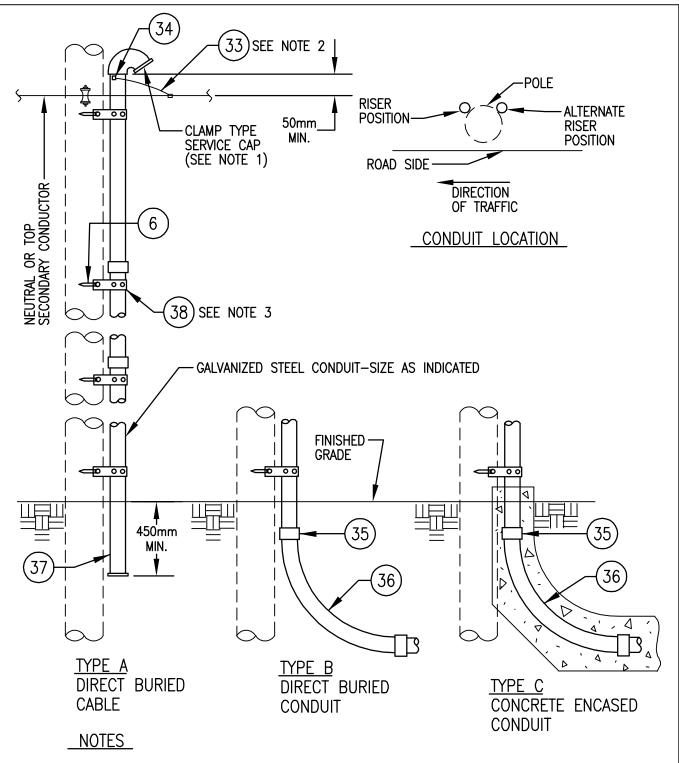
GUY-I GUY			
SKETCH DATE	JUNE 2002	STYLE	OH-32



- 1. DRAWING REPRESENTS SYMBOL FOR "SPAN-GUY-I". OMIT ITEM 31 FOR THE "SPAN GUY" SYMBOL.
- 2. ON CIRCUIT OPERATING VOLTAGES GREATER THAN 15KV, SUBSTITUTE 68 FOR 31.
- 3. UTILIZE ITEM 68 WHEN GUYING ATTACHMENT IS LOCATED IN THE PRIMARY AREA OF THE POLE AS INDICATED BY SPECIFIC DESIGN REQUIREMENTS PROVIDED.

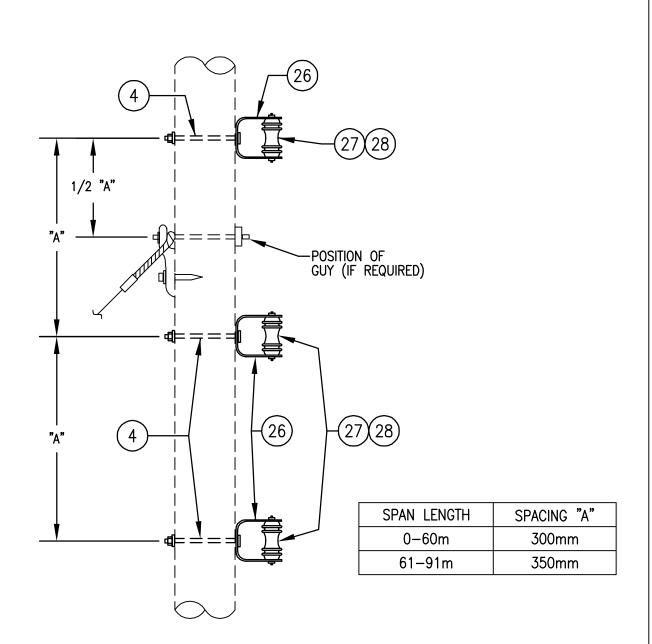
		GUY-I GUY	
SKETCH DATE	JUNE 2002	STYLE	OH-33





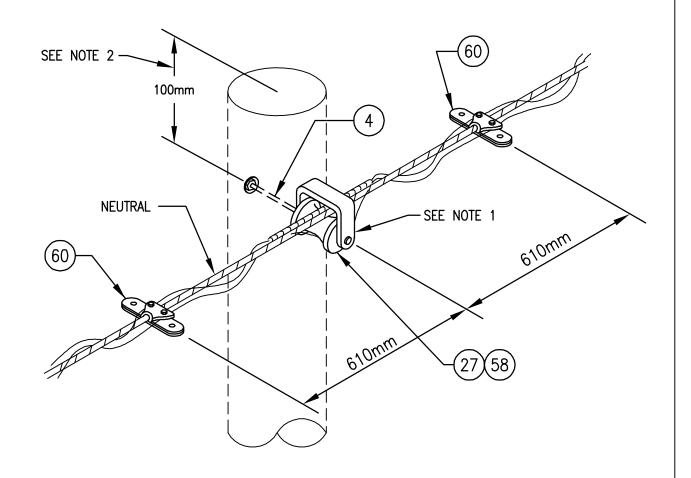
- 1. ON CONDUIT RISER FOR PRIMARY CIRCUITS, ELIMINATE SERVICE CAP AND PROVIDE GROUNDING TYPE INSULATING BUSHING.
- 2. BOND CONDUIT TO POLE GROUND AND SYSTEM NEUTRAL (IF EXISTING). SEE GROUNDING NOTES ON SKETCH OH-41.
- 3. SPACE STRAPS AT MAXIMUM OF 1.2m INTERVALS.

	С	ONDUI	ΤR	ISER
(SIZE	&	TYPE	AS	INDICATED)



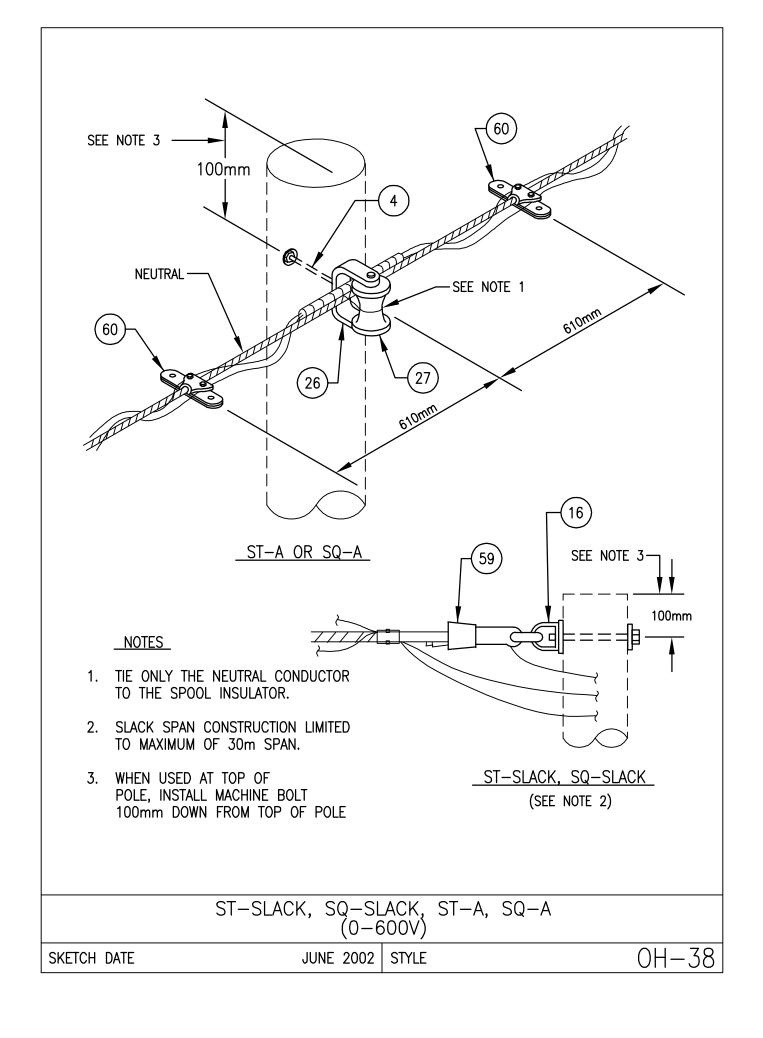
- 1. DRAWING REPRESENTS SYMBOLS S3 OR SDE3. OMIT INSULATOR ASSEMBLIES AS REQUIRED TO COINCIDE WITH NUMBER OF CONDUCTORS.
- 2. OMIT ITEM (28) FOR SYMBOLS S3, S2 AND S1.

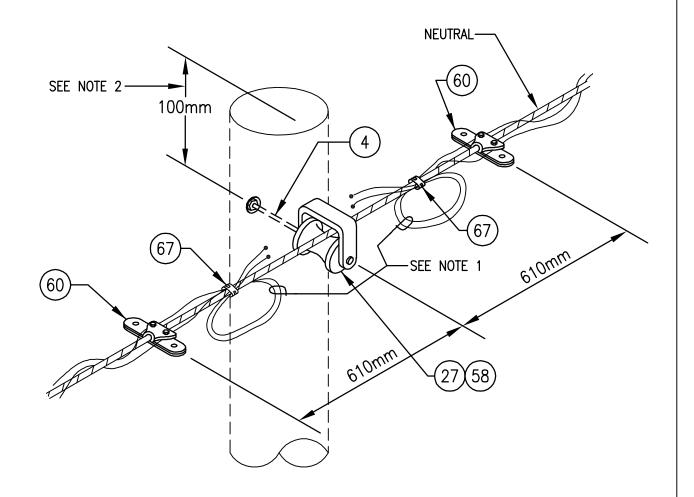
S3,	S2,	S1,	SDE3,	SDE2,	SDE1
		(1	0-600	/)	



- 1. TIE ONLY THE NEUTRAL CONDUCTOR TO THE SPOOL INSULATOR
- 2. WHEN USED AT TOP OF POLE, INSTALL MACHINE BOLT 100mm DOWN FROM TOP OF POLE.

ST OR SQ (0-600V)				
	SKETCH DATE	JUNE 2002	STYLE	OH-37

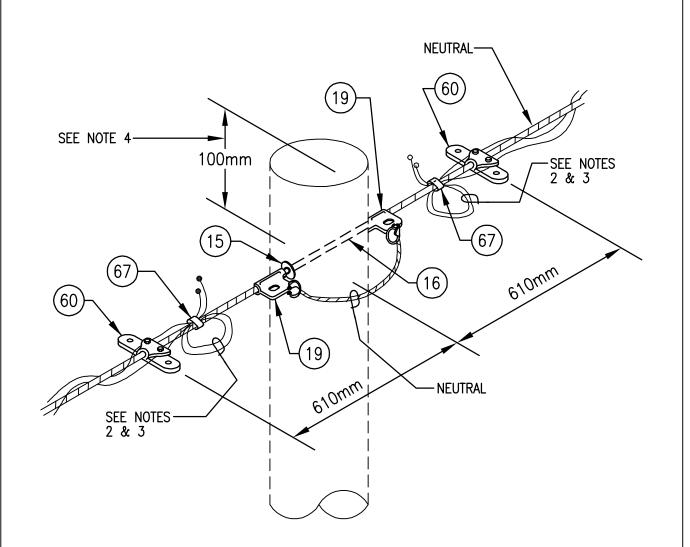




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- 1. COIL CONDUCTORS SO THEY WILL BE LONG ENOUGH TO BE JOINED AND SPLICED TOGETHER.
- 2. WHEN USED AT TOP OF POLE, INSTALL MACHINE BOLT 100mm DOWN FROM TOP OF POLE.

	SIDDE (TANGENT), (0-6	SQDDE (TANGENT) 500V)	
SKETCH DATE	JUNE 2002	STYLE	OH-39



- 1. DRAWING REPRESENTS A STDDE OR SQDDE. OMIT ONE EACH OF ITEMS (19) (60) AND (67) FOR USE WITH STDE OR SQDE.
- 2. CABLE MAY EXTEND ON THROUGH WITHOUT BEING CUT, WHEN REQUIRED.
- 3. COIL CONDUCTORS SO THEY WILL BE LONG ENOUGH TO BE JOINED AND SPLICED TOGETHER.
- 4. WHEN USED AT TOP OF POLE, INSTALL MACHINE BOLT 100mm DOWN FROM TOP OF POLE.

	STDDE, SQDDE (0-6	E, STDE, SQDE 600V)	
SKETCH DATE	JUNE 2002	STYLE	0H-40

