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			<u>IN:</u>	SULATOR TIE	<u>S</u>			
DRAWING NUMBER	SHT.			DRAWING TI	ΓLE		DWG REV.	BOM REV.
A-34-00	1 – 1	GENERAL IN	FORMATION				D	
A-34-01	1 – 2	SUPER TOP-	TIE ON SINGLE	INSULATOR			Α	Α
A-34-02	1 – 1	SUPER TOP-		INSULATOR			Α	
A-34-03	1 – 1	URBAN UNI-	TIE FOR ALL TY	PES OF BARE OR		TOR	С	
A-34-04	1 – 1	SPOOL & UN	II-MOUNT WIRE	TIES			Α	
A-34-05	1 – 1	SECONDARY	TIE ON SPREA	DER BRACKET			С	
A-34-06	1 – 1	DEADEND TI	ES FOR SPOOL	INSULATOR			0	
A-34-07	1 – 3	DISTRIBUTIO	ON TIE AND DOU	BLE SUPPORT T	E		A/0/0	
A-34-08	1 – 1	RURAL HAN	D TIE				A	
			ask Power -		ON STANDARDS			
			DRN. LM					
	LI	MOEN	P PATEL	CHKD. PP		INDEX		
				2021-08-19				
	DA	TE OF ISSUE:	2022-01-10	DRAWING NO:	A-34-INDEX	SHEET 1	of 1 F	REV. L

GENERAL INFORMATION

- 1. ARMOUR ROD AND TIE WIRE MATERIAL MUST MATCH. IE, STEEL WITH STEEL / ALUMINUM WITH ALUMINUM.
- 2. ALUMINUM ARMOUR ROD & TIE WIRE MUST BE USED WITH ALL ALUMINUM CONDUCTORS (DAISY, LEGACY TULIP AND LEGACY COSMOS). NEW INSTALLATIONS OF TULIP AND COSMOS SHALL USE ALUMINUM ARMOUR ROD AND LINE POST INSULATORS (2 20 00).
- 3. STEEL ARMOUR ROD & TIE WIRE IS THE STANDARD FOR TYING AND RE-TYING CONDUCTORS ON RURAL CIRCUITS (EXCLUDING ALL ALUMINUM CONDUCTORS). ALUMINUM ARMOUR ROD & TIE WIRE MAY BE USED ON URBAN CIRCUITS.
- 4. UNI-TIE (SYNTHETIC TIE) IS THE STANDARD FOR TYING AND RE-TYING CONDUCTORS ON URBAN CIRCUITS:
 - A. UNI-TIES CAN BE INSTALLED OVER ARMOURED OR JACKETED CONDUCTORS.
 - B. INSULATORS THAT ARE NOT 'F' NECK ARE TO BE CHANGED OUT WHEN RE-TYING. UNI-TIES ARE ONLY FOR 'F' NECK INSULATORS.
 - C. UNI-TIES ARE USED IN MISCELLANEOUS URBAN AND RURAL APPLICATIONS. AN EXAMPLE IS ON A PIN INSULATOR TO SUPPORT A LONG RISER.
- 5. SUPER TOP TIES ARE PERMITTED ON:
 - A. URBAN CIRCUITS (INCLUDING ARMOURED CONDUCTORS)
 - B. RURAL CIRCUITS OF #6 HICON, #6 HERRING AND #2 SPARROW
 - C. SPOOL SIDE TIES UP TO AND INCLUDING 1/0 RAVEN

SaskPower - DISTRIBUTION STANDARDS					
APPROVAL	DESIGN CHK	DRN. LM			
L MOEN	P PATEL	CHKD. PP	GENERAL	INFORMATION	
		2021-07-08			
DATE OF ISSUE:	2021-08-16	DRAWING NO:	\-34-00	SHEET 1 of 1	REV. D

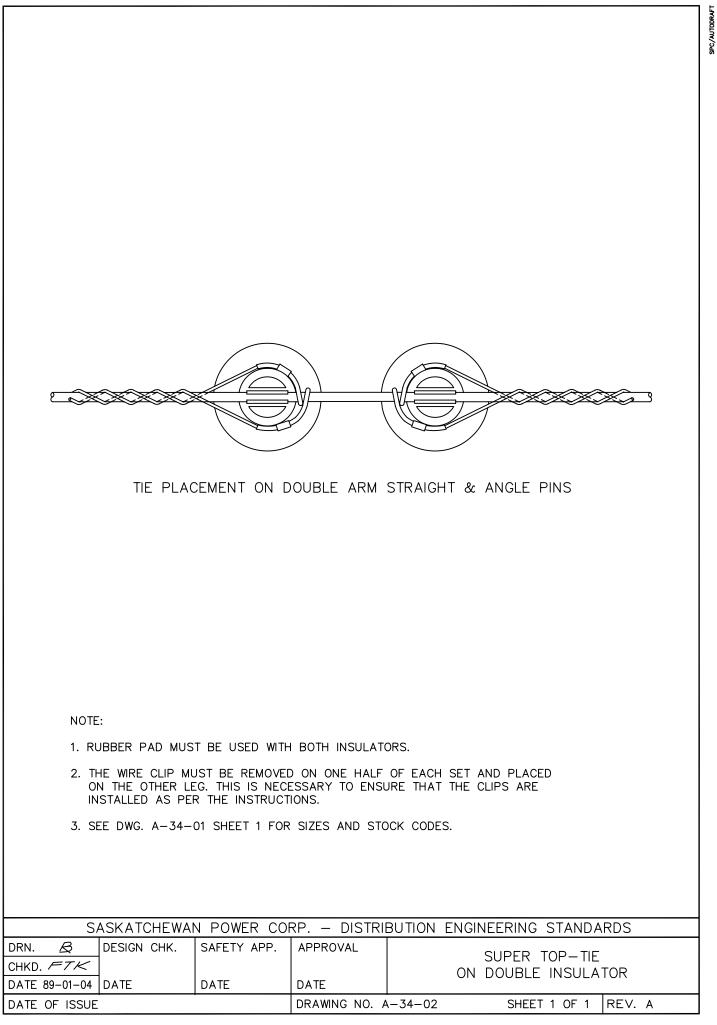
TIE CODE NO.	TIE COLOR CODE	1 CONDUCTOR	CONDUCTOR WITH ² ARMOUR ROD
2-97-58	NONE	#6 ACSR SB HERRING	_
2-97-60	ORANGE	#6 HICON	_
2-97-62	RED	#2 ACSR SPARROW	_
2-97-66	YELLOW	1/0 ACSR RAVEN	_
2-97-68	BLACK	3/0 ACSR PIGEON	#2 ACSR SPARROW
2-97-69	PINK	4/0 ACSR PENGUIN	_
2-97-72	GREEN	266.8 ACSR PARTRIDGE	1/0 ACSR RAVEN

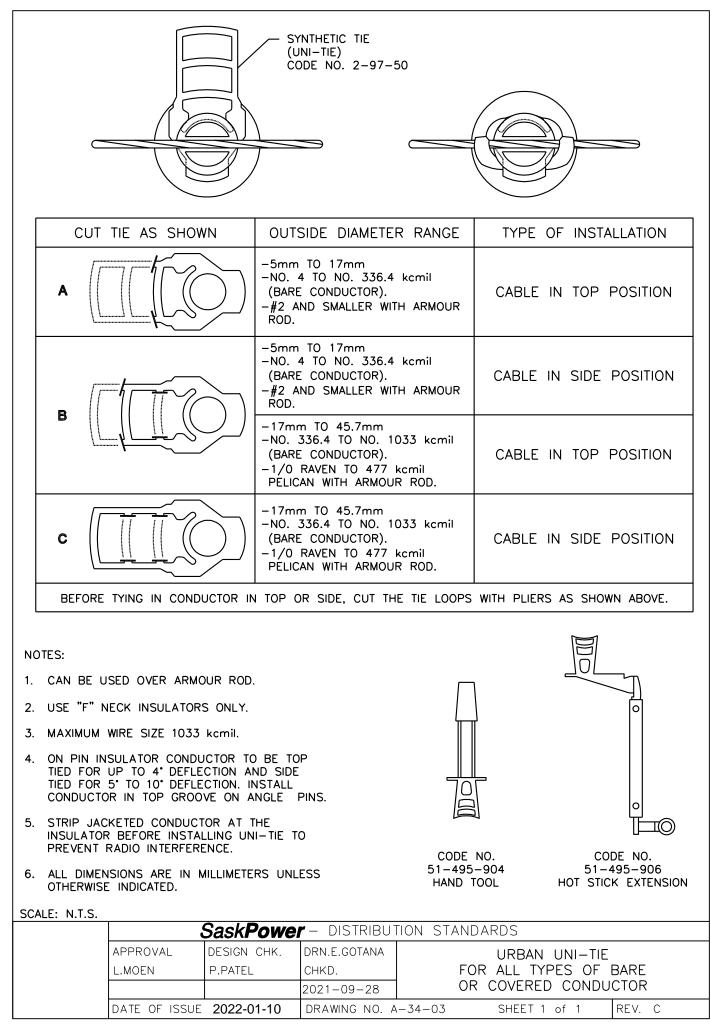
1. USE SUPER TOP-TIE ON THESE CONDUCTORS WITHOUT ARMOUR ROD.

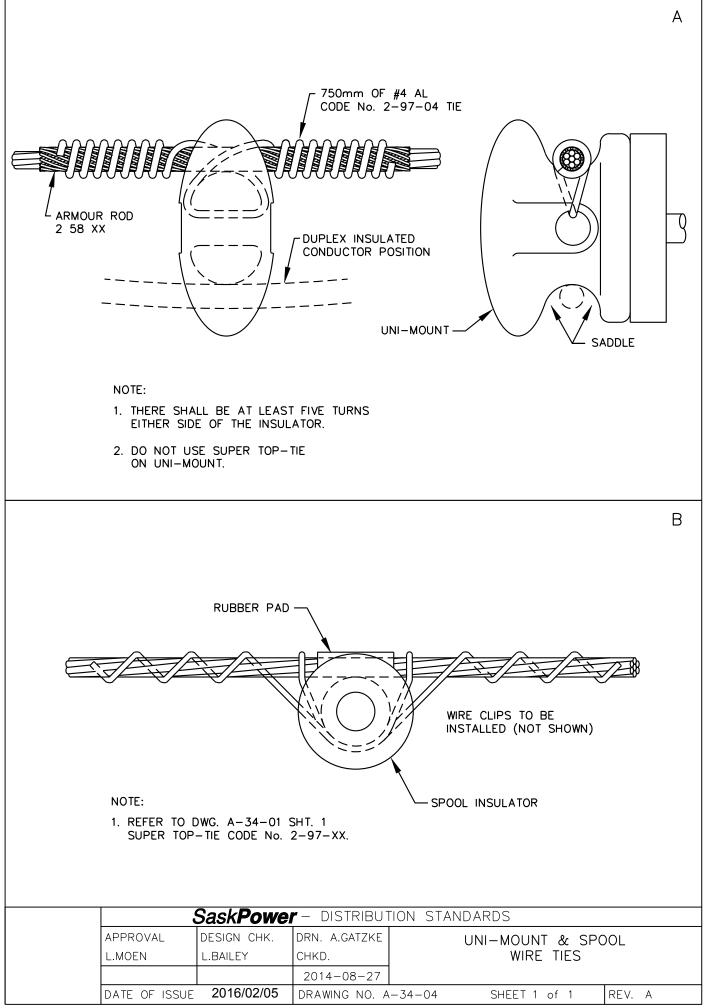
2. USE SUPER TOP-TIE ON THESE CONDUCTORS WITH ARMOUR ROD. THESE CAN BE USED OVER STEEL ARMOUR ONLY.

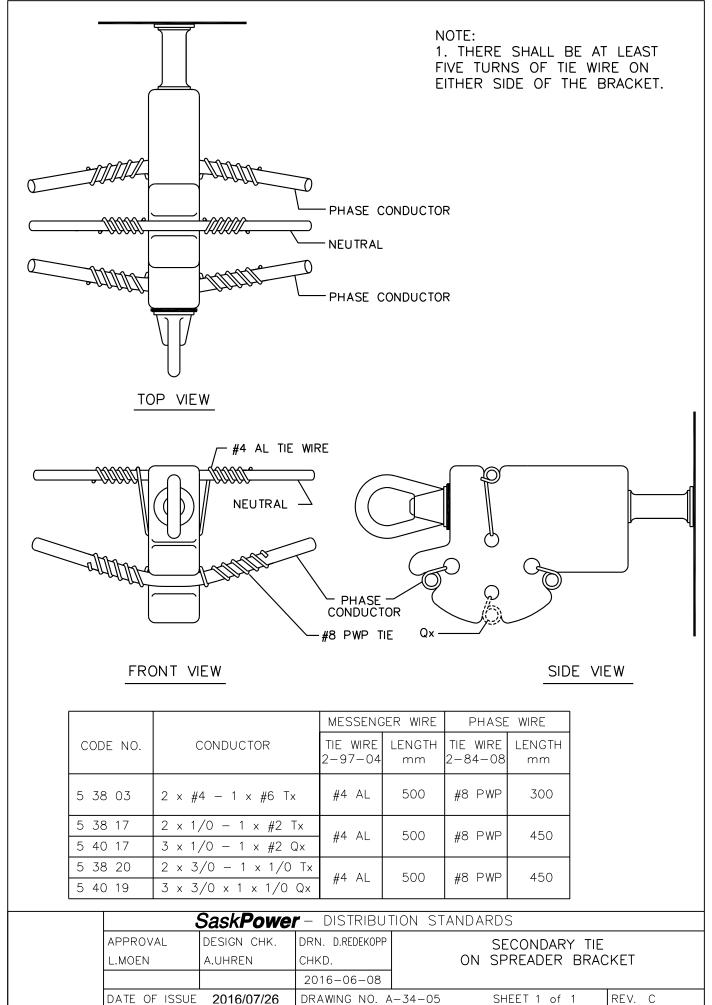
S	SASKATCHEWAN POWER CORP DISTRIBUTION ENGINEERING STANDARDS								
DRN. <u>み</u> CHKD. <i>戸下K</i> DATE 89-01-04	4	SAFETY APP.	APPROVAL DATE	SUPER TOP-TIE ON SINGLE INSULATOR					
DATE OF ISSUE	· ·		DRAWING NO. A	A-34-01 SHEET 1 OF 2 REV. A					

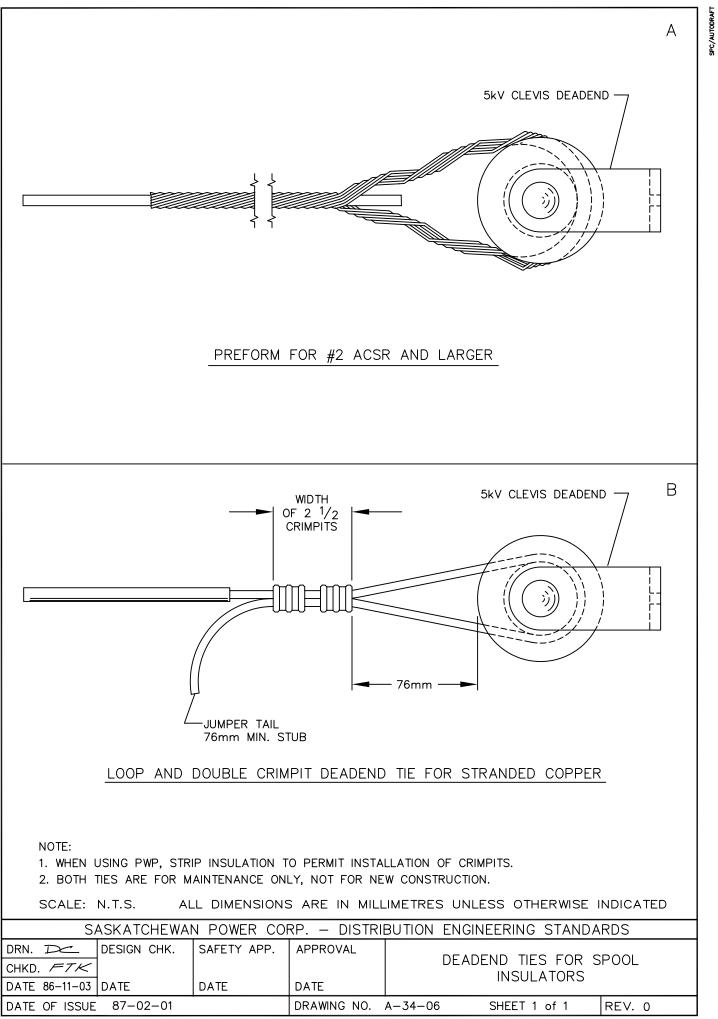
WIRE	- IDENTITY TAG
RUBBER PAD-	WIRE CLIP
HIGH DENSITY POLYETHELYNE	COLOR CODE
	N PLACE TO PREVENT THE TIE FROM SLIPPING OVER
THE LIP OF THE INSULATOR. 2. NOT TO BE USED AS A SIDE TIE	
3. DO NOT USE TIES ON BARE COP	PPER CONDUCTOR.
4. FOR USE ON DEFLECTIONS UP TO	O 10 ⁰ (CONDUCTOR IN TOP INSULATOR GROOVE).
	RP. – DISTRIBUTION ENGINEERING STANDARDS
DRN. & DESIGN CHK. SAFETY APP. CHKD. FTK DATE 89-01-04 DATE DATE	APPROVAL SUPER TOP-TIE ON SINGLE INSULATOR
DATE OF ISSUE	DRAWING NO. A-34-01 SHEET 2 OF 2 REV. A

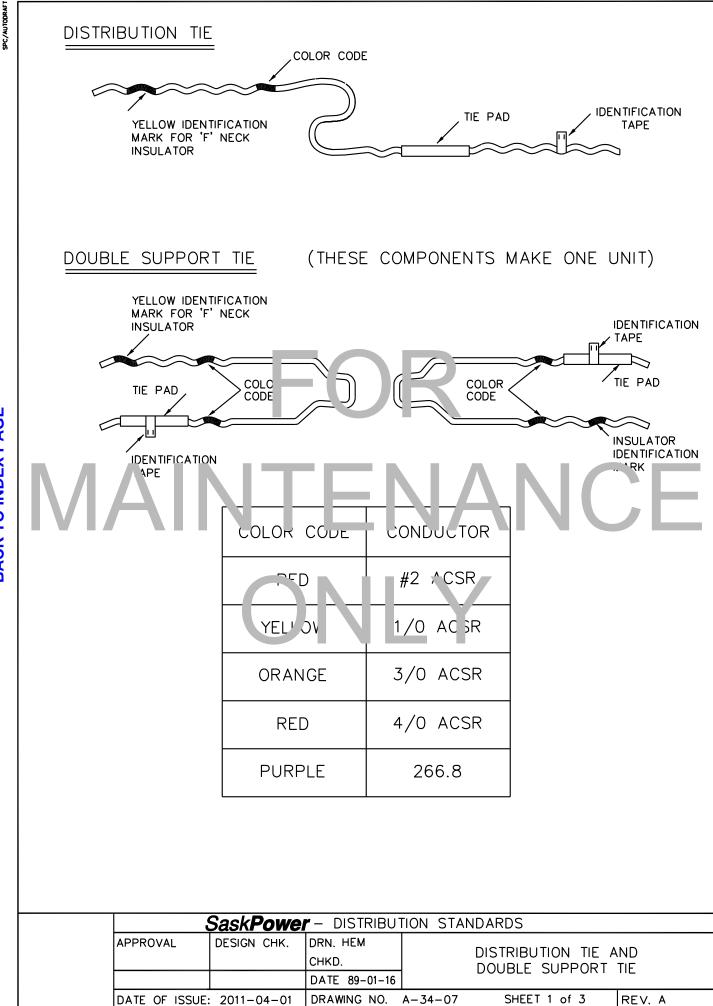


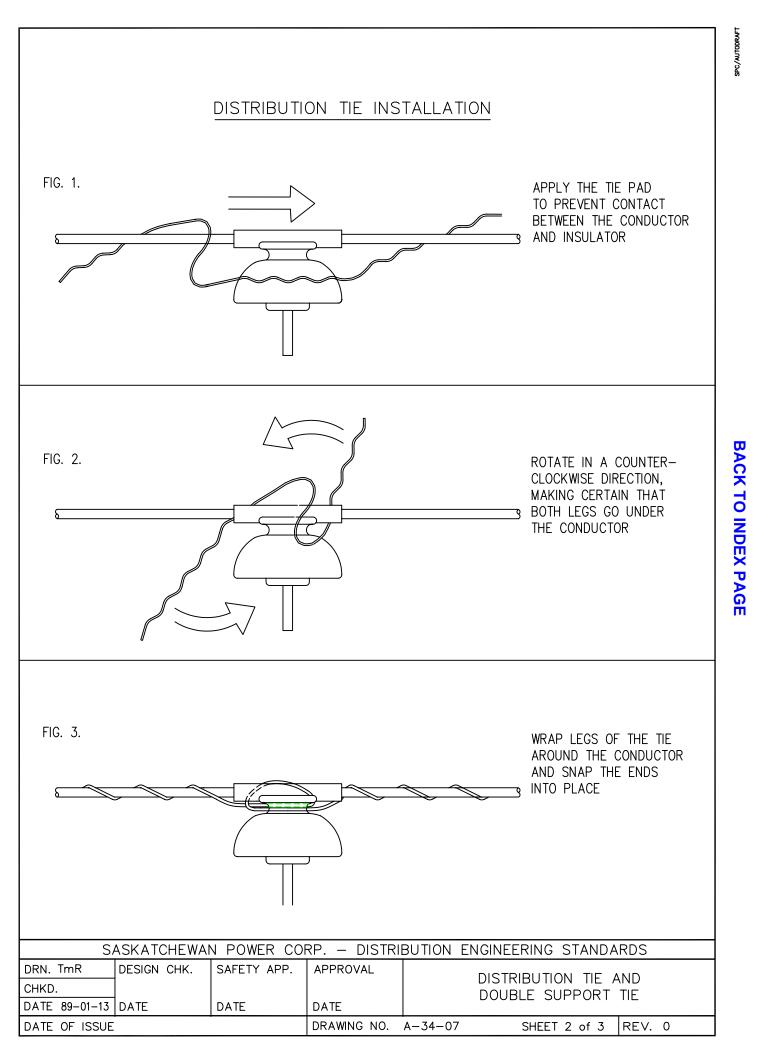


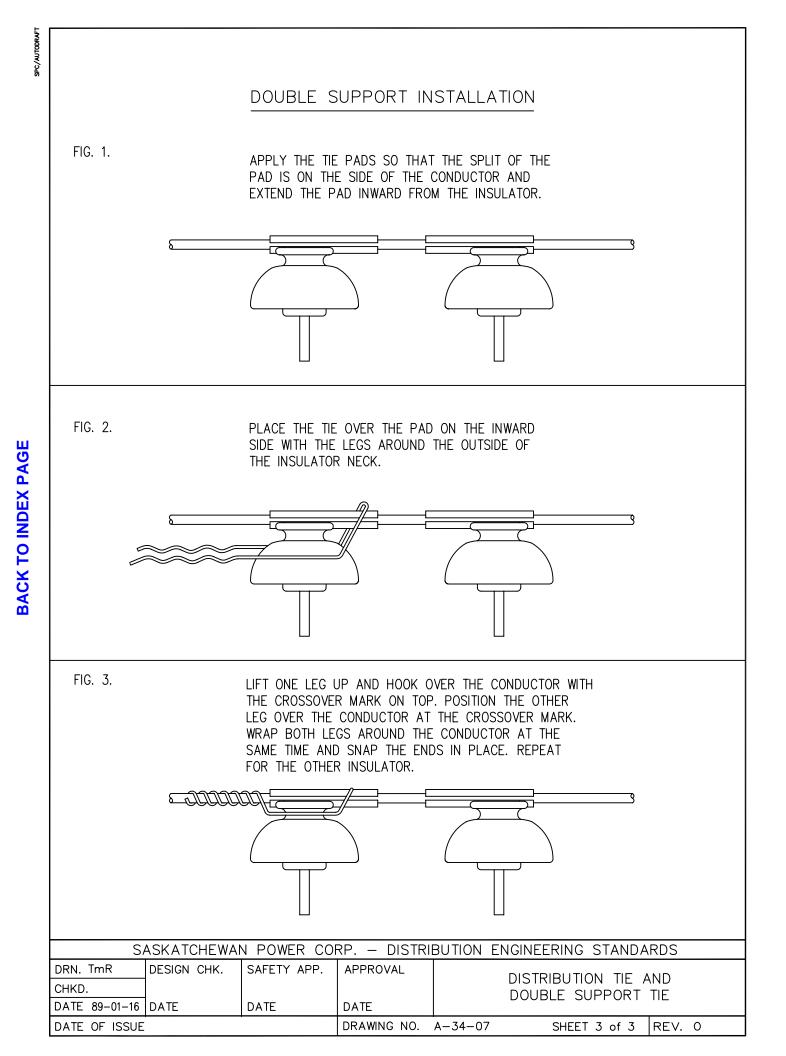


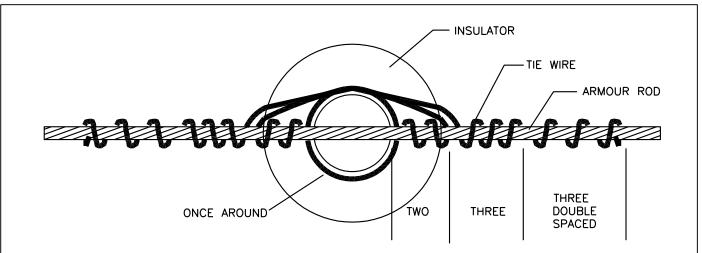












TIE WIRE TURNS ARE TIGHTLY WRAPPED TO THE INSULATOR, EXCEPT FOR THE DOUBLE SPACED TURNS INDICATED.

FOR DOUBLE INSULATORS, ALL THE TURNS BETWEEN THE INSULATORS ARE TIGHTLY WRAPPED.

STEEL TIE WIRE AND ARMOUR ROD						
CONDUCTOR	ARMOUR ROD (SINGLE	ARMOUR ROD (DOUBLE	TIE WIRE			
	INSULATOR)	INSULATOR)	(PER INSULATOR)			
1/0 ACSR RAVEN 47" STEEL		59"STEEL	1.5m #8 STEEL			
2 78 10 2–58–10 (BLUE)		2–58–11 (BLUE)	2-97-28			
3/0 ACSR PIGEON	56"STEEL	68" STEEL	1.7m #8 STEEL			
2 78 30	2–58–30 (GREY)	2–58–31 (GREY)	2-97-28			
4/0 ACSR PENGUIN	60" STEEL	72" STEEL	1.7m #8 STEEL			
2 78 40	2–58–40 (BLACK)	2–58–41 (BLACK)	2-97-28			
266.8KCMIL ACSR-PARTRIDGE 2 78 50	64" STEEL 2–58–50 (GREEN)	64" STEEL 2–58–50 (GREEN)	1.8m #8 STEEL 2–97–28			

ALUMINUM TIE WIRE AND ARMOUR ROD						
CONDUCTOR	ARMOUR ROD (SINGLE	ARMOUR ROD (DOUBLE	TIE WIRE			
	INSULATOR)	INSULATOR)	(PER INSULATOR)			
1/0 ACSR RAVEN 2 78 10	TBD	TBD	1.5m #4 ALUMINUM 2–97–04			
3/0 ACSR PIGEON	56" ALUMINUM	68" ALUMINUM	1.7m #4 ALUMINUM			
2 78 30	2–59–29 (GREY)	2–59–30 (GREY)	2-97-04			
4/0 ACSR PENGUIN	60" ALUMINUM	72" ALUMINUM	1.7m #4 ALUMINUM			
2 78 40	2–59–39 (BLACK)	2–59–40 (BLACK)	2-97-04			
266.8KCMIL ACSR-PARTRIDGE 2 78 50	64" ALUMINUM 2–59–52 (GREEN)	64" ALUMINUM 2-59-52 (GREEN)	1.8m #4 ALUMINUM 2-97-04			

NOTES:

1. TIE WIRE SHALL ONLY BE USED WITH ARMOUR RODS OF THE SAME MATERIAL TO AVOID DAMAGE AND/OR PREMATURE FAILURE.

2. COLOUR DENOTES THE COLOUR CODE FOUND ON THE ARMOUR ROD FOR IDENTIFICATION PURPOSES.

APPROVED FOR CONSTRUCTION

	SaskPower - Distribution standards						
APPROVAL DESIGN CHK. DRN. D.REDEKOPP							
	L.MOEN	D.DONAIS	CHKD.	HAND TIE			
			2018-11-22				
DATE OF ISSUE GEFJEEG			DRAWING NO. A	-34-08	SHEET 1 of 1	REV. A	