

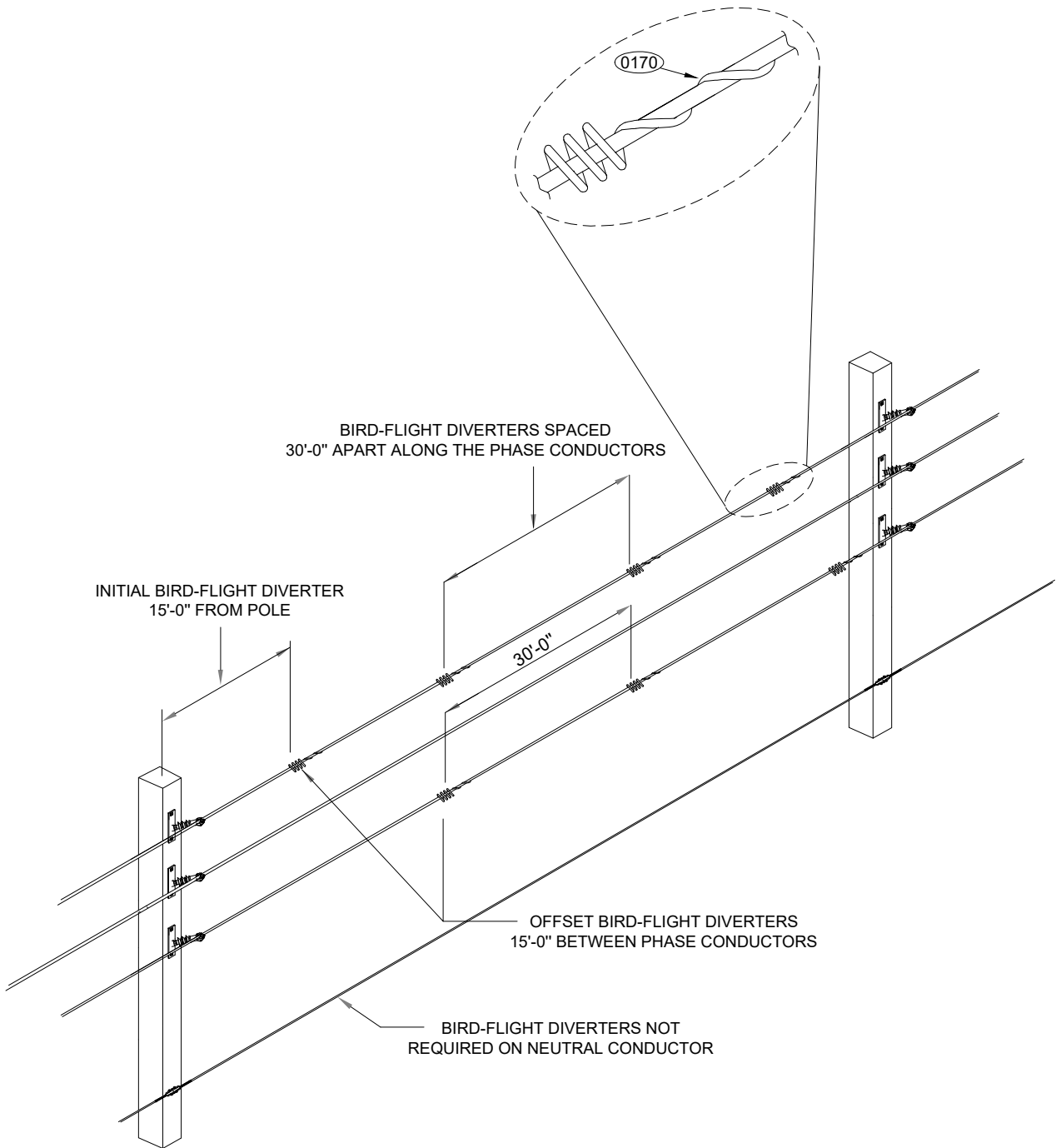


DISTRIBUTION ENGINEERING

OVERHEAD DISTRIBUTION STANDARDS

TITLE:	ASSEMBLY NO. <u>ASSY-1513</u> VERSION <u>4</u>
	DOCUMENT NO. <u>4301.09.079</u>
	PAGE <u>1 OF 4</u> DATE <u>AUG 11, 2025</u>
	SUBMITTED <u>LUIS R. SOTO LIC. 11658</u>
	REVIEWED <u>IVETTE D. SANCHEZ LIC. 13837</u>
	APPROVED <u>RICARDO CASTRO LIC. 12135</u>
	DIGITIZED <u>EMILIO CUADRADO LIC. 3000</u>
	<u>VICTOR R. FEBRES LIC. 3412</u>

WILDLIFE PROTECTION EQUIPMENT
MAXIMUM VOLTAGE: 13.2 KV



BIRD-FLIGHT DIVERTERS INSTALLATION
(SEE NOTES 3 AND 4)



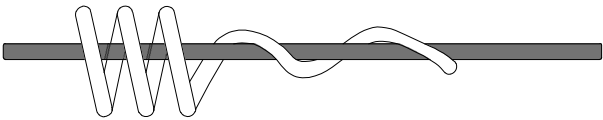
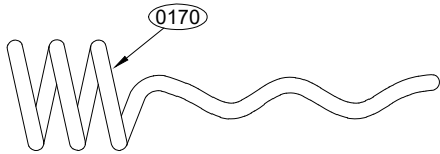
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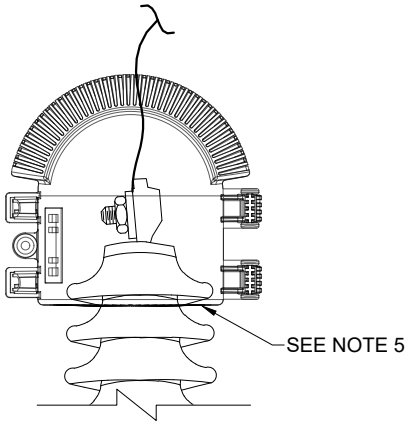
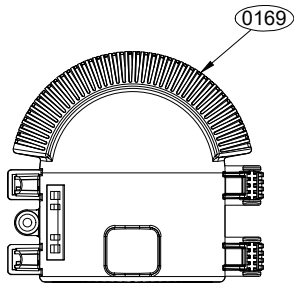
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MAXIMUM VOLTAGE: 13.2 KV

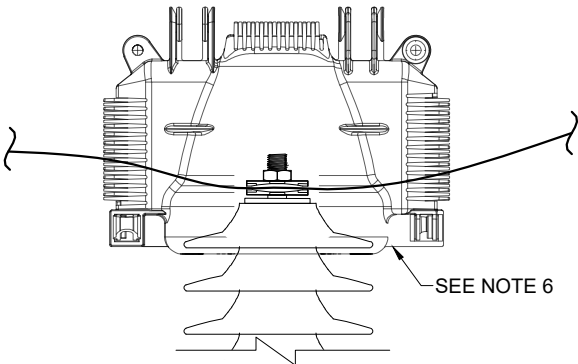
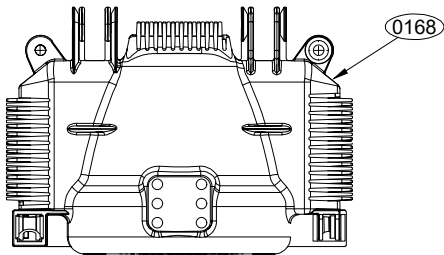
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BIRD-FLIGHT DIVERTER
(SEE NOTES 1, 2, 3, AND 4)



TRANSFORMER BUSHING GUARD
FOR WILDLIFE PROTECTION



SURGE ARRESTER GUARD
FOR WILDLIFE PROTECTION



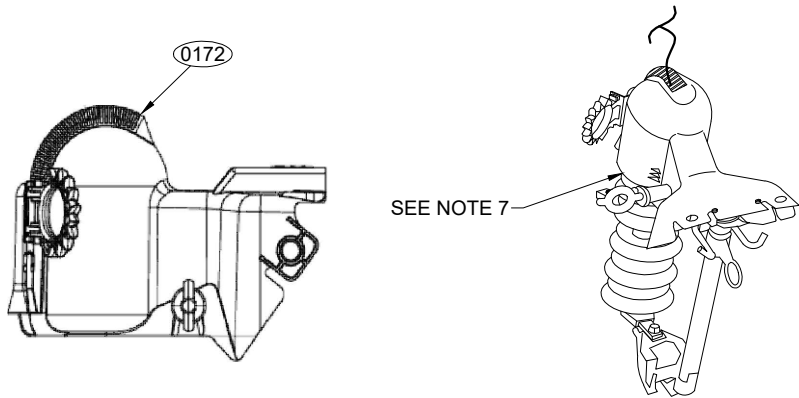
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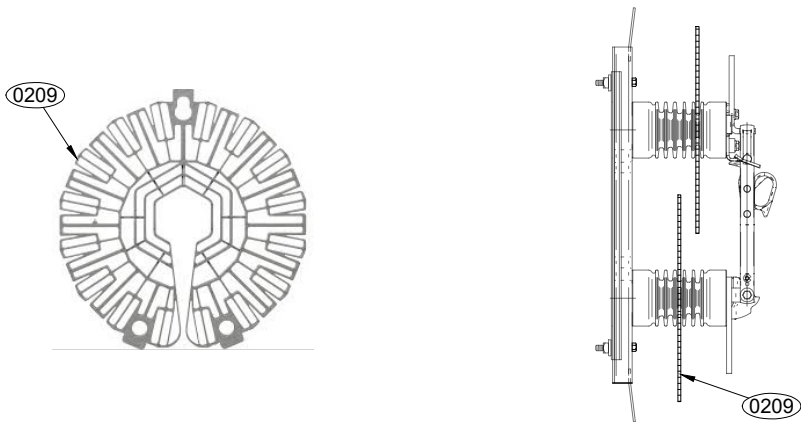
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MAXIMUM VOLTAGE: 13.2 KV

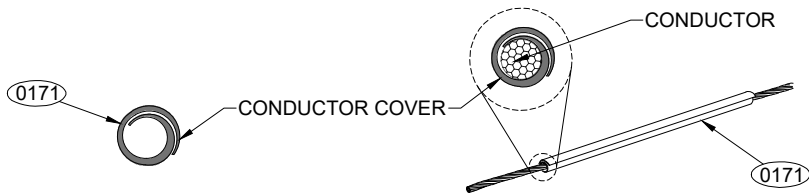
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FUSE CUTOFF GUARD
FOR WILDLIFE PROTECTION



AIR BREAK SWITCH GUARD
FOR WILDLIFE PROTECTION



CONDUCTOR COVER GUARD
FOR WILDLIFE PROTECTION
(SEE NOTE 8)



DISTRIBUTION ENGINEERING

OVERHEAD DISTRIBUTION STANDARDS

TITLE:

**WILDLIFE PROTECTION EQUIPMENT
MAXIMUM VOLTAGE: 13.2 KV
NOTES AND BILL OF MATERIAL**

ASSEMBLY NO. ASSY-1513 VERSION 4
DOCUMENT NO. 4301.09.079
PAGE 4 OF 4 DATE AUG 11, 2025
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VICTOR R. FEBRES LIC. 3412

MATERIALS

NO.	GENERAL DESCRIPTION	WAREHOUSE ITEM	QTY.
0168	SURGE ARRESTER GUARD FOR WILDLIFE PROTECTION	072-82376	AS REQ.
0169	TRANSFORMER BUSHING GUARD FOR WILDLIFE PROTECTION	072-82416	AS REQ.
0170	BIRD-FLIGHT DIVERter	VARIES	AS REQ.
0171	CONDUCTOR COVER GUARD FOR WILDLIFE PROTECTION	VARIES	AS REQ.
0172	FUSE CUTOFF GUARD FOR WILDLIFE PROTECTION	072-82414	AS REQ.
0209	AIR BREAK SWITCH GUARD FOR WILDLIFE PROTECTION	072-87696	AS REQ.

NOTES:

1. BIRD-FLIGHT DIVERterS (ITEM 0170) SHALL BE INSTALLED IN PROTECTED AREAS, SUCH AS BIRD SANCTUARIES.
2. BIRD-FLIGHT DIVERterS (ITEM 0170) CAN BE INSTALLED BY HAND OR USING AN APPLICATOR RING TOOL (ITEM 0167) ON A UNIVERSAL HOT STICK AND A SHOTGUN STICK.
3. FOR VERTICAL CONSTRUCTION, BIRD-FLIGHT DIVERterS (ITEM 0170) SHALL BE INSTALLED ON THE UPPER AND LOWER PHASE CONDUCTORS. THE INITIAL DIVERter ON THE TOP CONDUCTOR SHALL BE OFFSET 15'-0" FROM THE POLE. THE INITIAL DIVERter ON THE BOTTOM CONDUCTOR SHALL BE OFFSET 15'-0" FROM THE ONE ON THE UPPER CONDUCTOR. SUBSEQUENTLY, ON THE SAME PHASE CONDUCTOR, DIVERterS SHALL BE PLACED 30'-0" APART.
4. FOR DELTA CONSTRUCTION, BIRD-FLIGHT DIVERterS (ITEM 0170) SHALL BE INSTALLED ON ALL PHASE CONDUCTORS. THE INITIAL DIVERter ON THE FIRST CONDUCTOR SHALL BE OFFSET 15'-0" FROM THE POLE AND MAINTAINING AN OFFSET OF 15'-0" BETWEEN THE DIVERterS ON OTHER CONDUCTORS. SUBSEQUENTLY, ON THE SAME PHASE CONDUCTOR, DIVERterS SHALL BE PLACED 30'-0" APART.
5. WHEN INSTALLING THE TRANSFORMER BUSHING GUARD FOR WILDLIFE PROTECTION (ITEM 0169), ONLY THE TOP SKIRT OF THE INSULATOR MUST BE CONTAINED WITHIN THE GUARD.
6. WHEN INSTALLING THE SURGE ARRESTER GUARD FOR WILDLIFE PROTECTION (ITEM 0168), ONLY THE TOP SKIRT OF THE INSULATOR MUST BE CONTAINED WITHIN THE GUARD.
7. WHEN INSTALLING THE FUSE CUTOFF GUARD FOR WILDLIFE PROTECTION (ITEM 0172), ONLY THE TOP SKIRT OF THE INSULATOR MUST BE CONTAINED WITHIN THE GUARD.
8. CONDUCTOR COVER GUARD FOR WILDLIFE PROTECTION (ITEM 0171) SHALL BE INSTALLED TO FULLY ENCLOSE THE CABLE SECTIONS AS PER MANUFACTURER'S INSTRUCTIONS.