



DISTRIBUTION CONSTRUCTION STANDARD
 EUGENE WATER & ELECTRIC BOARD - EUGENE, OREGON

SCHEDULE 40 PVC SECONDARY POLE DIP TOP PORTION 2", 3" & 5"

Approved Jul 10, 2024
EC5-1.2600
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ASSEMBLY EC5-1.2601

2" SECONDARY POLE DIP WITH 12" CONDUIT BRACKETS - FOR MAINTENANCE ONLY

1.	474-0001507	1 EA	HOOKDR.5/16"X3 1/2"
2.	428-0000814	3 EA	CLPCNDSTRAP2"
3.	438-0000988	30 FT	CND2"x10'PVC 40
4.	416-0000773	3 EA	BRKTCND12"STANDOFF
5.	388-0000677	6 EA	SCRLAG 1/2 X 4

ASSEMBLY NOTES:

1. See design note 5.

ASSEMBLY EC5-1.2602

3" SECONDARY POLE DIP WITH 12" CONDUIT BRACKETS

1.	474-0001507	1 EA	HOOKDR.5/16"X3 1/2"
2.	428-0000815	3 EA	CLPCNDSTRAP3"
3.	438-0000991	30 FT	CND3"x10'PVC 40
4.	416-0000773	3 EA	BRKTCND12"STANDOFF
5.	388-0000677	6 EA	SCRLAG 1/2 X 4

ASSEMBLY EC5-1.2603

5" SECONDARY POLE DIP WITH 12" CONDUIT BRACKETS

1.	474-0001507	1 EA	HOOKDR.5/16"X3 1/2"
2.	428-0000817	3 EA	CLPCND STRAP 5"
3.	438-0000995	30 FT	CND5"x10'PVC 40
4.	416-0000773	3 EA	BRKTCND12"STANDOFF
5.	388-0000677	6 EA	SCRLAG 1/2 X 4

ASSEMBLY EC5-1.2604

2" SECONDARY POLE DIP WITH 18" CONDUIT BRACKETS - FOR MAINTENANCE ONLY

1.	474-0001507	1 EA	HOOKDR.5/16"X3 1/2"
2.	428-0000814	3 EA	CLPCNDSTRAP2"
3.	438-0000988	30 FT	CND2"x10'PVC 40
4.	416-0000774	3 EA	BRKTCNDT18"STANDOFF
5.	388-0000677	6 EA	SCRLAG 1/2 X 4

ASSEMBLY NOTES:

1. See design note 5.

ASSEMBLY EC5-1.2605

3" SECONDARY POLE DIP WITH 18" CONDUIT BRACKETS

1.	474-0001507	1 EA	HOOKDR.5/16"X3 1/2"
2.	428-0000815	3 EA	CLPCNDSTRAP3"
3.	438-0000991	30 FT	CND3"x10'PVC 40
4.	416-0000774	3 EA	BRKTCNDT18"STANDOFF
5.	388-0000677	6 EA	SCRLAG 1/2 X 4

ASSEMBLY EC5-1.2606

5" SECONDARY POLE DIP WITH 18" CONDUIT BRACKETS

1.	474-0001507	1 EA	HOOKDR.5/16"X3 1/2"
2.	428-0000817	3 EA	CLPCND STRAP 5"
3.	438-0000995	30 FT	CND5"x10'PVC 40
4.	416-0000774	3 EA	BRKTCNDT18"STANDOFF
5.	388-0000677	6 EA	SCRLAG 1/2 X 4

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ASSEMBLY EC5-1.2610

2" SECONDARY POLE DIP ON EXISTING CONDUIT BRACKETS - FOR MAINTENANCE ONLY

1.	474-0001507	1 EA	HOOKDR.5/16"X3 1/2"
2.	428-0000814	3 EA	CLPCNDSTRAP2"
3.	438-0000988	30 FT	CND2"x10'PVC 40

ASSEMBLY NOTES:

1. See design note 5.
2. Refer to assembly EC5-1.2621 for additional 2" conduit straps if needed for existing pole dip conduit brackets.

ASSEMBLY EC5-1.2611

3" SECONDARY POLE DIP ON EXISTING CONDUIT BRACKETS

1.	474-0001507	1 EA	HOOKDR.5/16"X3 1/2"
2.	428-0000815	3 EA	CLPCNDSTRAP3"
3.	438-0000991	30 FT	CND3"x10'PVC 40

ASSEMBLY NOTES:

1. Refer to assembly EC5-1.2622 for additional 3" conduit straps if needed for existing pole dip conduit brackets.

ASSEMBLY EC5-1.2612

5" SECONDARY POLE DIP ON EXISTING CONDUIT BRACKETS

1.	474-0001507	1 EA	HOOKDR.5/16"X3 1/2"
2.	428-0000817	3 EA	CLPCND STRAP 5"
3.	438-0000995	30 FT	CND5"x10'PVC 40

ASSEMBLY NOTES:

1. Refer to assembly EC5-1.2623 for additional 5" conduit straps if needed for existing pole dip conduit brackets.

ASSEMBLY EC5-1.2616

CONDUCTOR (KELLUMS) GRIP FOR 1/0 TRIPLEX CONDUCTOR

6.	452-0001275	1 EA	DE KELL 1 1/4
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ASSEMBLY NOTES:

1. Install one conductor grip for each run of triplex conductor.
2. Conductor diameter range for this assembly is 1.0" to 1.24".

ASSEMBLY EC5-1.2617

CONDUCTOR (KELLUMS) GRIP FOR 4/0 TRIPLEX CONDUCTOR

6.	452-0001276	1 EA	DE KELL 1 1/2
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ASSEMBLY NOTES:

1. Install one conductor grip for each run of triplex conductor.
2. Conductor diameter range for this assembly is 1.25" to 1.49".

ASSEMBLY EC5-1.2618

CONDUCTOR (KELLUMS) GRIP FOR 350 TRIPLEX CONDUCTOR

6.	452-0001277	1 EA	DE KELL 2
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ASSEMBLY NOTES:

1. Install one conductor grip for each run of triplex conductor.
2. Conductor diameter range for this assembly is 1.75" to 1.99".

ASSEMBLY EC5-1.2619

CONDUCTOR (KELLUMS) GRIP FOR 350 QUADRUPLIX AND LARGER CONDUCTOR

6.	452-0001278	1 EA	DE KELL 2 1/2
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ASSEMBLY NOTES:

1. Install one conductor grip for each run of quadruplex conductor.
2. Conductor diameter range for this assembly is 2.0" to 2.49".

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ASSEMBLY EC5-1.2621

2" CONDUIT STRAP - FOR USE ON EXISTING POLE DIP CONDUIT BRACKETS - FOR MAINTENANCE ONLY

- 2. 428-0000814 1 EA CLPCNDSTRAP2"

ASSEMBLY NOTES:

- 1. See design note 5.

ASSEMBLY EC5-1.2622

3" CONDUIT STRAP - FOR USE ON EXISTING POLE DIP CONDUIT BRACKETS

- 2. 428-0000815 1 EA CLPCNDSTRAP3"

ASSEMBLY EC5-1.2623

5" CONDUIT STRAP - FOR USE ON EXISTING POLE DIP CONDUIT BRACKETS

- 2. 428-0000817 1 EA CLPCND STRAP 5"

CONSTRUCTION NOTES:

- 1. All conduits shall enter the same end of the secondary box a maximum of 8" from the bottom inside edge of the secondary box.
- 2. Conduits shall not extend more than 11/2" +/-1/2" above the crushed rock base.

DESIGN NOTES:

- 1. Location of pole dip to be identified and located to allow for climbing space clearances.
- 2. Using the 12" pole dip brackets is the preferred assembly.
- 3. 18" brackets shall be used for joint use applications when the total number of conduits exceeds (3) on the EWEB pole dip bracket.
- 4. If substructure is not existing, see EC5-1.2300 for substructure construction standard.
- 5. For new construction, a minimum 3" conduit is required for a primary or secondary pole dip.

REFERENCE STANDARDS:

- A) Refer to EC5-2.0400, EC5-2.0500 & EC5-2.0600 for secondary box assemblies.
- B) Refer to EC4-0.3800 for climbing space reference.
- C) Refer to EC5-6.3400 for 350 & 500 KCM urd secondary moles.
- D) Refer to EC5-6.3500 for 750 KCM urd secondary moles.
- E) Refer to EC5-8.0800 for aluminum 600 volt triplex and quadruplex underground secondary/service conductor.
- F) Refer to EC5-2.0100 for required minimum feeder, primary and secondary/service conductor makeup length for vaults and secondary boxes.