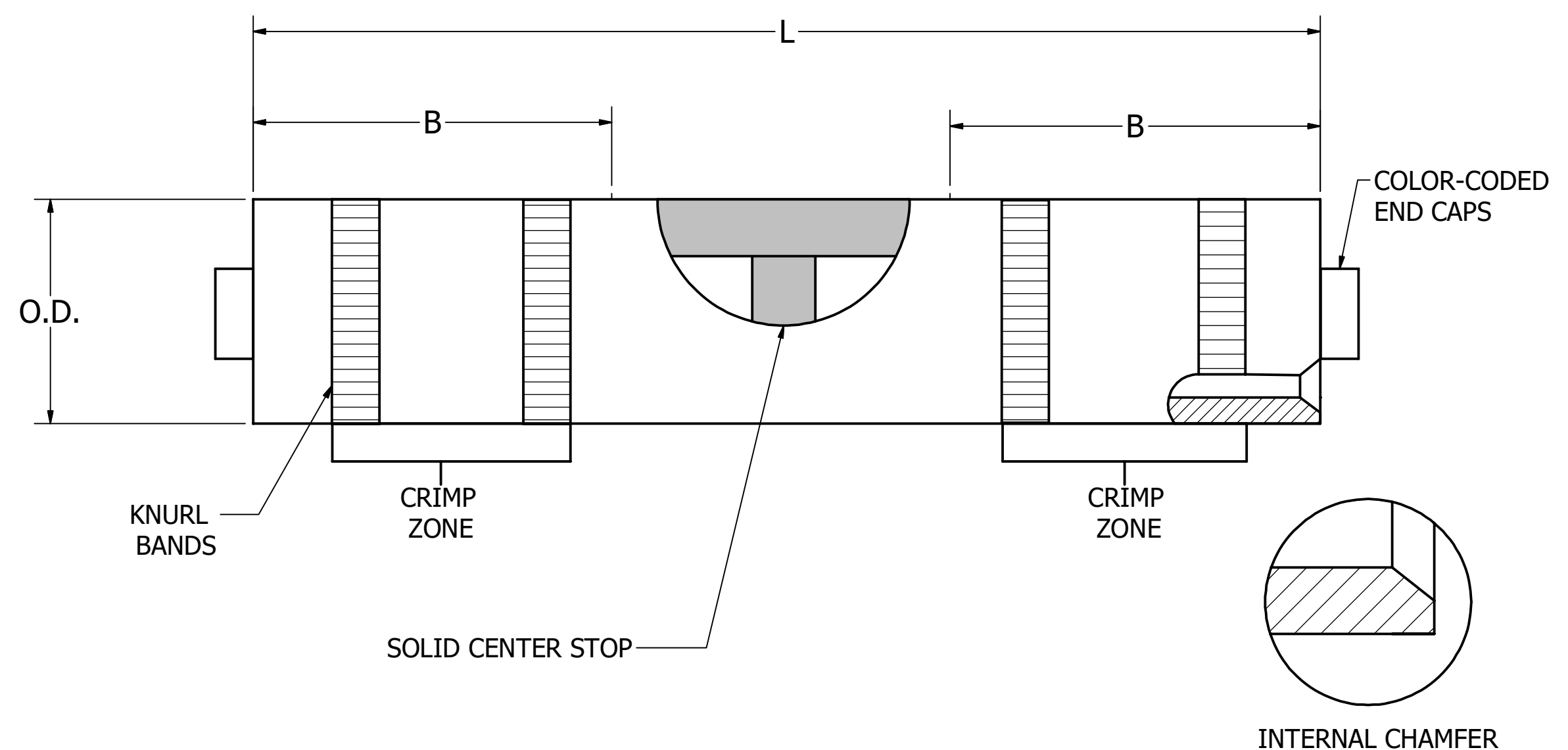


CATALOG NUMBER	WIRE ACCOMMODATES					OUTSIDE DIAMETER (OD)	OVERALL LENGTH (L)	BARREL LENGTH (B)	WIRE STRIP LENGTH	TEMP RATING	COLOR CODE DIE INDEX #
	ALUMINUM	COPPER	COPPER CLAD ALUMINUM (CCA)	EXPANDED RANGES DIELESS INSTALLATION TOOLS							
				644, 444S SERIES	81 SERIES						
YS8CA1	8 AWG	8 AWG	--	--	--	.30 [8]	1.44 [37]	.59 [15]	3/4"	75°C	BLUE 374
YS6CA1	6 AWG	6 AWG	--	--	--	.34 [9]	1.70 [43]	.72 [18]	7/8"	90°C	GRAY 346 No Color 161
YS4CA1	4 AWG	4 AWG	--	4 AWG - 6 AWG	4 AWG - 6 AWG	.43 [11]	1.97 [50]	.86 [22]	1"	90°C	GREEN 375 No Color 162
YS2CA1	2 AWG	2 AWG	--	2 AWG - 6 AWG	2 AWG - 6 AWG	.53 [13]	2.44 [62]	1.09 [28]	1 1/4"	90°C	PINK 348 No Color 163 No Color 239
YS1CA1	1 AWG	1 AWG	--	1 AWG - 2 AWG	1 AWG - 6 AWG	.54 [14]	2.05 [52]	.90 [23]	1 1/16"	90°C	GOLD 471 No Color 163
YS25A1	1/0 AWG	1/0 AWG	--	1/0 AWG - 1 AWG	1/0 AWG - 6 AWG	.60 [15]	2.37 [60]	1.06 [27]	1 3/16"	90°C	TAN 296 No Color 241
YS26A1	2/0 AWG	2/0 AWG	--	2/0 AWG - 1 AWG	2/0 AWG - 4 AWG	.67 [17]	2.61 [66]	1.18 [30]	1 3/8"	90°C	OLIVE 297 No Color 245
YS27A1	3/0 AWG	3/0 AWG	--	3/0 AWG - 1 AWG	3/0 AWG - 2 AWG	.76 [19]	2.88 [73]	1.31 [33]	1 1/2"	90°C	RUBY 467 No Color 166
YS28A1	4/0 AWG	4/0 AWG	--	4/0 AWG - 1 AWG	4/0 AWG - 1 AWG	.85 [22]	3.06 [78]	1.40 [36]	1 5/8"	90°C	WHITE 298 No Color 660
YS29A1	250 kcmil	250 kcmil	--	250 kcmil - 1/0 AWG	250 kcmil - 1/0 AWG	.92 [23]	3.18 [81]	1.46 [37]	1 5/8"	90°C	RED 324
YS30A1	300 kcmil	300 kcmil	4/0 AWG CCA DLO (329/22)	300 kcmil - 2/0 AWG	300 kcmil - 2/0 AWG	1.01 [26]	3.20 [81]	1.47 [37]	1 3/4"	90°C	BLUE 470
YS31A1	350 kcmil	350 kcmil	250 kcmil CCA DLO (399/22)	350 kcmil - 3/0 AWG	350 kcmil - 3/0 AWG	1.11 [28]	4.04 [103]	1.89 [48]	2 1/8"	90°C	BROWN 299
YS32A1	400 kcmil	400 kcmil	--	400 kcmil - 4/0 AWG	400 kcmil - 4/0 AWG	1.19 [30]	4.86 [123]	2.30 [58]	2 1/2"	90°C	GREEN 472
YS34A1	500 kcmil	500 kcmil	350 kcmil CCA DLO (551/22)	500 kcmil - 4/0 AWG	500 kcmil - 4/0 AWG	1.32 [34]	5.02 [128]	2.38 [60]	2 5/8"	90°C	PINK 300
YS36A1	600 kcmil	600 kcmil	500 kcmil CCA DLO (779/22)	600 kcmil - 250 kcmil	600 kcmil - 250 kcmil	1.44 [37]	5.14 [131]	2.44 [62]	2 7/8"	90°C	BLACK 473
YS39A1	700 kcmil 750 kcmil 900 Compact ONLY	700 kcmil 750 kcmil 900 Compact ONLY	600 kcmil CCA DLO (925/22)	750 kcmil - 500 kcmil	750 kcmil - 500 kcmil	1.46 [37]	5.26 [134]	2.50 [64]	2 7/8"	90°C	YELLOW 936
YS39AM1	700 kcmil 750 kcmil 900 Compact ONLY	700 kcmil 750 kcmil 900 Compact ONLY	--	750 kcmil - 500 kcmil	750 kcmil - 500 kcmil	1.60 [41]	5.58 [142]	2.63 [67]	2 7/8"	90°C	RED 301
YS40A1	800 kcmil	800 kcmil	--	800 kcmil - 500 kcmil	--	1.65 [42]	5.48 [139]	2.61 [66]	3"	90°C	GRAY 474
YS42A1	900 kcmil	900 kcmil 600 kcmil	--	900 kcmil - 600 kcmil	--	1.50 [38]	5.29 [134]	2.47 [63]	2 7/8"	90°C	GRAY 303
YS44A1	1000 kcmil	1000 kcmil	750 kcmil CCA DLO (1184/22) 800 kcmil CCA DLO (1258/22)	1000 kcmil - 750 kcmil	--	1.84 [47]	5.94 [151]	2.84 [72]	3 1/8"	90°C	BROWN 302
YS45A2	1250 kcmil	1250 kcmil	--	--	--	1.84 [47]	4.67 [119]	2.23 [57]	3 1/8"	75°C	BROWN 302
YS46A1	1500 kcmil	1500 kcmil	--	--	--	2.26 [57]	7.05 [179]	3.40 [86]	3 3/4"	75°C	BLUE 478
YS46A2	1500 kcmil	1500 kcmil	--	--	--	2.26 [57]	6.57 [167]	3.18 [81]	3 3/4"	75°C	BLUE 478
YS47A1	1750 kcmil	1750 kcmil	--	--	--	2.44 [62]	8.31 [211]	3.99 [101]	4 3/8"	75°C	WHITE 587
YS48A1	2000 kcmil	2000 kcmil	--	--	--	2.60 [66]	7.58 [193]	3.66 [93]	4 1/8"	75°C	RED 479
YS483A1	2250 kcmil	--	--	--	--	2.60 [66]	7.58 [193]	3.66 [93]	4 1/8"	75°C	RED 479

- NOTES:
- CONNECTOR: UNINSULATED ALUMINUM COMPRESSION SPLICE. MADE FROM SEAMLESS ALUMINUM TUBING WITH SOLID CENTER CABLE STOP PLUG FOR PROPER WIRE INSERTION LENGTH.
 - CONNECTION: COMPRESSION CONNECTIONS ARE MADE IRREVERSIBLE AND MAINTENANCE FREE.
 - APPLICABLE STANDARDS: CONNECTORS ARE ONLY UL LISTED AND CSA CERTIFIED WHEN INSTALLED WITH THE BURNDY ENGINEERED SYSTEM AND SELECT OTHER CRIMP TOOL MANUFACTURERS IN ACCORDANCE WITH ONE OR MORE UL CATEGORIES.
 - UL LISTED TO UL 486A-486B WIRE CONNECTORS
 - CSA CERTIFIED TO C22.2
 - TEMPERATURE AND VOLTAGE RATING:
 - UL LISTED 90°C, UP TO 35kV *SEE CONNECTOR FINISHES FOR ADDITIONAL SERVICE TEMPERATURE RATINGS.
 - ALUMINUM CONNECTORS ARE MARKED WITH AL9CU ACCOMMODATING ALUMINUM (AL) AND COPPER (CU) WIRE UP TO 90°C.
 - ALUMINUM CONNECTORS ARE MARKED WITH AL7CU ACCOMMODATING ALUMINUM (AL) AND COPPER (CU) WIRE UP TO 75°C.
 - WIRE ACCOMMODATE TYPES (SEE TABLE): DUAL RATED TO ACCOMMODATE ALUMINUM AND COPPER WIRE.
 - CODE ALUMINUM WIRE (AL): CLASS B (CONCENTRIC, COMPRESSED, COMPACT)
 - CODE COPPER WIRE (CU): CLASS B (CONCENTRIC, COMPRESSED, COMPACT) OR CLASS C
 - COPPER CLAD ALUMINUM (CCA): SEE TABLE FOR WIRE STRANDING INFORMATION.
 - CONNECTOR FINISHES AND SUFFIX: SEE SECTION C OF THE BURNDY MASTER CATALOG FOR PLATING SERVICE TEMPERATURE RATINGS.
 - ELECTRO-TIN PLATED: CONNECTORS HAVING NO SUFFIX ARE TIN PLATED UNLESS OTHERWISE SPECIFIED. CATALOG NUMBER EXAMPLE: YS28A1
 - NICKEL PLATED: APPLY SUFFIX "NK" TO A CATALOG NUMBER IN THE TABLE, IF NOT SPECIFIED. CATALOG NUMBER EXAMPLE: YS28A1NK
 - SILVER PLATED: APPLY SUFFIX "SV" TO A CATALOG NUMBER IN THE TABLE, IF NOT SPECIFIED. CATALOG NUMBER EXAMPLE: YS28A1SV
 - TIN ZINC PLATED: APPLY SUFFIX "TZ" TO A CATALOG NUMBER IN THE TABLE, IF NOT SPECIFIED. CATALOG NUMBER EXAMPLE: YS28A1TZ
 - BARE CONNECTORS: APPLY SUFFIX "BR" TO A CATALOG NUMBER IN THE TABLE, IF NOT SPECIFIED. CATALOG NUMBER EXAMPLE: YS28A1BR
 - FEATURES:
 - BARREL TYPICAL ROLL MARKINGS (AS SPACE PERMITS): CRIMP ZONE IS INDICATED BY KNURL BANDS, BURNDY CORPORATE NAME OR LOGO, UL LOG (IF APPLICABLE), CSA LOGO (IF APPLICABLE), WIRE SIZE, DIE COLOR CODE, INDEX NUMBER.
 - BARREL DESIGN: BARREL END AT THE WIRE HAS AN INTERNAL CHAMFER, ALLOWING FOR SMOOTH WIRE INSERTION.
 - CONNECTORS ARE PRE-FILLED WITH PENETROX™A13, WHICH IS AN OXIDE INHIBITOR.
 - EACH CONNECTOR HAS COLOR-CODED END CAPS TO MATCH THE DIE COLOR CODE. THIS ALSO PREVENTS PARTICLES FROM ENTERING THE BARREL.
 - INSTALLATION TOOLING AND DIES ARE CONSTANTLY BEING UPDATED. FOR THE LATEST INSTALLATION TOOLING INFORMATION, REFER TO THE MASTER CATALOG ON THE BURNDY WEBSITE.
 - YS39A- ACCOMMODATING 900 KCMIL COMPACT ALUMINUM WIRE WILL REQUIRE THE USE OF A 644 OR 444S SERIES INSTALLATION TOOL.
 - YS42A- ACCOMMODATING 600 KCMIL COPPER WIRE WILL REQUIRE THE USE OF A 644 OR 444S SERIES INSTALLATION TOOL.

REV	DATE	DESCRIPTION	ECO	BY	CHK.
L	4/27/2021	NEW DRAWING CREATION	210423007498	SS	YR



TO ORDER BURNDY® PRODUCTS CALL		HYLINK™	
UNITED STATES 1-800-346-4175 (LONDONDERRY, NH)		ITEM NO: SEE TABLE	
CANADA: 1-800-361-6975 (QUEBEC) 1-800-387-6487 (ALL OTHER PROVINCES)		CAT. NO: SEE TABLE	
FOR PRODUCT INFO: http://www.burndy.com		DRAWN BY: ESK	24-08-1972
		CHECKER: SFP	25-08-1972
		DSN APRVL: D.C.W.	12-12-1972
		MFG APRVL: --	
		QA APRVL: D VARIO	07-25-1995
		MKT APRVL: P WERTHMAN	04-17-1995
		PROD FAM: --	
		PROJECT #: --	SIZE
		DOCUMENT TYPE: SALES	D
		REL LEVEL: Released	
		DRAWING NO	REV
		SD073942	L
		SHEET 1 OF 4	

CATALOG NUMBER DESIGNATION	WIRE SIZE		WIRE STRIP LENGTH	COLOR CODE INDEX#	MECHANICAL & RATCHET (DIES REQUIRED)		MECHANICAL & RATCHET (DEDICATED DIE TOOLS)		HYDRAULIC TOOLS (DIES REQUIRED)					HYDRAULIC TOOLS (DIELESS)			
	CLASS B, C CONDUCTOR (AL/CU)	COPPER CLAD ALUMINUM (CCA) <small>For use with 644 & 444 tools only</small>			MD6	MD7 MD734	OUR840	MY28 MY29	MRC840AL	MD6 600 500 SERIES (6 TON)	750 35 SERIES (12 Ton)	45 SERIES Use PT6515 adaptor with U-dies (15 Ton)	46 SERIES Use PUADP1 adaptor with U-dies (15 Ton)	60 SERIES (60 Ton)	81 4PC SERIES (6 Ton)	644 SERIES (11 Ton)	444 SERIES (11 Ton)
YS8CA-	8 AWG	-	5/8	BLUE 374	X8CART(2) W374 (1)	X8CART (2)	1 CRIMP	1 CRIMP	X8CART (2) W374 (1)	U8CABT (1)	U8CABT (1)	U8CABT (1)	-	1 CRIMP	-	-	-
YS6CA-	6 AWG	-	3/4	GRAY 346 NO COLOR INDEX 161	X6CART (2) W161 (1)	X6CART (2) X161 (2)	1 CRIMP	1 CRIMP	X6CART (2) W161 (1) X161 (2)	U6CABT (1)	U6CABT (1)	U6CABT (1)	-	1 CRIMP	1 CRIMP	-	1 CRIMP
YS4CA-	4 AWG	-	1	GREEN 375 NO COLOR INDEX 162	X4CART (3) W162 (3)	X4CART (3) -	1 CRIMP	2 CRIMP	X4CART (3) W162 (3)	U4CABT (1)	U4CABT (1)	U4CABT (1)	-	1 CRIMP	1 CRIMP	1 CRIMP	1 CRIMP
YS2CA-	2 AWG	-	1-1/4	PINK 348 NO COLOR INDEX 163 NO COLOR INDEX 239	X2CART (4) W163 (3) W239 (2)	X2CART (4) -	2 CRIMP	2 CRIMP	X2CART (4) W163 (3) W239 (2) X239 (4)	U2CABT (1)	U2CABT (1)	U2CABT (1)	-	2 CRIMP	1 CRIMP	1 CRIMP	1 CRIMP
YS1CA-	1 AWG	-	1-1/16	GOLD 471 NO COLOR INDEX 163	X1CART (3) W163 (3)	X1CART (3) -	2 CRIMP	2 CRIMP	X1CART (3) W163 (3)	U1CART (1)	U1CART (1)	U1CART (1)	-	2 CRIMP	1 CRIMP	1 CRIMP	1 CRIMP
YS25A-	1/0 AWG	-	1-3/16	TAN 296 NO COLOR INDEX 241	X25ART (4) W241 (2)	X25ART (4) X241 (4)	2 CRIMP	2 CRIMP	X25ART (4) X241 (2)	U25ART (1)	U25ART (1)	U25ART (1)	-	2 CRIMP	1 CRIMP	1 CRIMP	1 CRIMP
YS26A-	2/0 AWG	-	1-3/8	OLIVE 297 NO COLOR INDEX 245	X26ART (4) WBG (2) W245 (3)	X26ART (4) XBG (4) X245 (4)	2 CRIMP	3 CRIMP	X26ART (4) WBG (2) W245 (3) X245 (4)	U26ART (2)	U26ART (2)	U26ART (2)	-	2 CRIMP	1 CRIMP	1 CRIMP	1 CRIMP
YS27A-	3/0 AWG	-	1-1/2	RUBY 467 NO COLOR INDEX 166	X27ART (4) W166 (4)	X27ART (4) -	2 CRIMP	3 CRIMP	X27ART (4) W166 (4)	U27ART (2)	U27ART (2)	U27ART (2)	-	2 CRIMP	1 CRIMP	1 CRIMP	1 CRIMP
YS28A-	4/0 AWG	-	1-5/8	WHITE 298 NO COLOR INDEX 660	X28ART (6) W660 (3)	X28ART (6) X660 (8)	2 CRIMP	3 CRIMP	X28ART (6) W660 (3) X660 (8)	U28ART (2)	U28ART (2)	U28ART (2)	L28ART (1)	2 CRIMP	1 CRIMP	1 CRIMP	1 CRIMP
YS29A-	250 kcmil	-	1-5/8	RED 324	-	-	-	-	-	U29ART (2)	U29ART (2)	U29ART (2)	L29ART (1)	2 CRIMP	1 CRIMP	1 CRIMP	1 CRIMP
YS30A-	300 kcmil	4/0 AWG CCA DLO (329/22)	1-3/4	BLUE 470	-	-	-	-	-	U30ART (2)	U30ART (2)	U30ART (2)	L30ART (1)	2 CRIMP	1 CRIMP	1 CRIMP	1 CRIMP
YS31A-	350 kcmil	250 kcmil CCA DLO (399/22)	2-1/8	BROWN 299	W31ART (4)	-	-	-	W31ART (4)	U31ART (2)	U31ART (2)	U31ART (2)	L31ART (1)	3 CRIMP	1 CRIMP	1 CRIMP	1 CRIMP
YS32A-	400 kcmil	-	2-1/2	GREEN 472	-	-	-	-	-	U32ART (4)	U32ART (4)	U32ART (4)	L32ART (2)	4 CRIMP	1 CRIMP	1 CRIMP	1 CRIMP
YS34A-	500 kcmil	350 kcmil CCA DLO (551/22)	2-5/8	PINK 300	-	-	-	-	-	U34ART (4)	U34ART (4)	U34ART (4)	L34ART (2)	4 CRIMP	1 CRIMP	1 CRIMP	1 CRIMP
YS36A-	600 kcmil	500 kcmil CCA DLO (779/22)	2-7/8	BLACK 473	-	-	-	-	-	U36ART (4)	U36ART (4)	U36ART (4)	L36ART (2)	4 CRIMP	1 CRIMP	1 CRIMP	1 CRIMP
YS39A-*	700 - 750 kcmil	600 kcmil CCA DLO (925/22)	2-7/8	YELLOW 936	-	-	-	-	-	U39ART2 (4)	U39ART2 (4)	U39ART2 (4)	L39ART2 (2)	4 CRIMP	1 CRIMP	1 CRIMP	1 CRIMP
YS40A-	800 kcmil	-	3	GRAY 474	-	-	-	-	-	S40ART (4)	P40ART (4)	L40ART (2)	-	1 CRIMP	1 CRIMP	1 CRIMP	1 CRIMP
YS42A-*	900 AL kcmil	-	2-7/8	GRAY 303	-	-	-	-	-	U42ART (4)	U42ART (4)	-	-	2 CRIMP	2 CRIMP	2 CRIMP	2 CRIMP
YS44A-	1000 kcmil	750 kcmil CCA DLO (1184/22) 800 kcmil CCA DLO (1258/22)	3-1/8	GRAY 474	-	-	-	-	-	S44ART (4)	P44ART (4)	L44ART (2)	-	-	1 CRIMP	1 CRIMP	1 CRIMP
YS45A-	1250 kcmil	900 kcmil CCA DLO (1406/22) 1000 kcmil CCA DLO (1554/22)	3-1/8	BROWN 302	-	-	-	-	-	S44ART (4)	P44ART (4)	L44ART (2)	-	-	-	-	-
YS46A-	1500 kcmil	-	3-3/4	BLUE 478	-	-	-	-	-	-	-	-	L46ART (2)	-	-	-	-
YS47A-	1750 kcmil	-	4-3/8	WHITE 587	-	-	-	-	-	-	-	-	L47ART (2)	-	-	-	-
YS48A-	2000 kcmil	-	4-1/8	RED 479	-	-	-	-	-	-	-	-	L48ART (2)	-	-	-	-

NOTES:

- A. *YS39A- ACCOMMODATING 900 KCMIL COMPACT ALUMINUM WIRE WILL REQUIRE THE USE OF A 644 OR 444S SERIES INSTALLATION TOOL
- B. *YS42A- ACCOMMODATING 600 KCMIL COPPER WIRE WILL REQUIRE THE USE OF A 644 OR 444S SERIES INSTALLATION TOOL.

TO ORDER BURNDY® PRODUCTS CALL		HYLINK™	
UNITED STATES 1-800-346-4175 (LONDONDERRY, NH)		ITEM NO: SEE TABLE	
CANADA: 1-800-361-6975 (QUEBEC) 1-800-387-6487 (ALL OTHER PROVINCES)		CAT. NO: SEE TABLE	
FOR PRODUCT INFO: http://www.burndy.com		DRAWN BY: ESK 24-08-1972	
		CHECKER: SFP 25-08-1972	
		DSN APRVL: D.C.W. 12-12-1972	
		MFG APRVL: --	
		QA APRVL: D VARIO 07-25-1995	
		MKT APRVL: P WERTHMAN 04-17-1995	
		PROD FAM: --	
		PROJECT #: --	
		SIZE: D	
		DOCUMENT TYPE: SALES	
		REL LEVEL: Released	
		DRAWING NO: SD073942	
		SHEET 2 OF 4	
		REV: L	

REV	DATE	DESCRIPTION	ECO	BY	C'H'K.
L	4/27/2021	NEW DRAWING CREATION	210423007498	SS	YR

REV	DATE	DESCRIPTION	ECO	BY	CHK.
L	4/27/2021	NEW DRAWING CREATION	210423007498	SS	YR

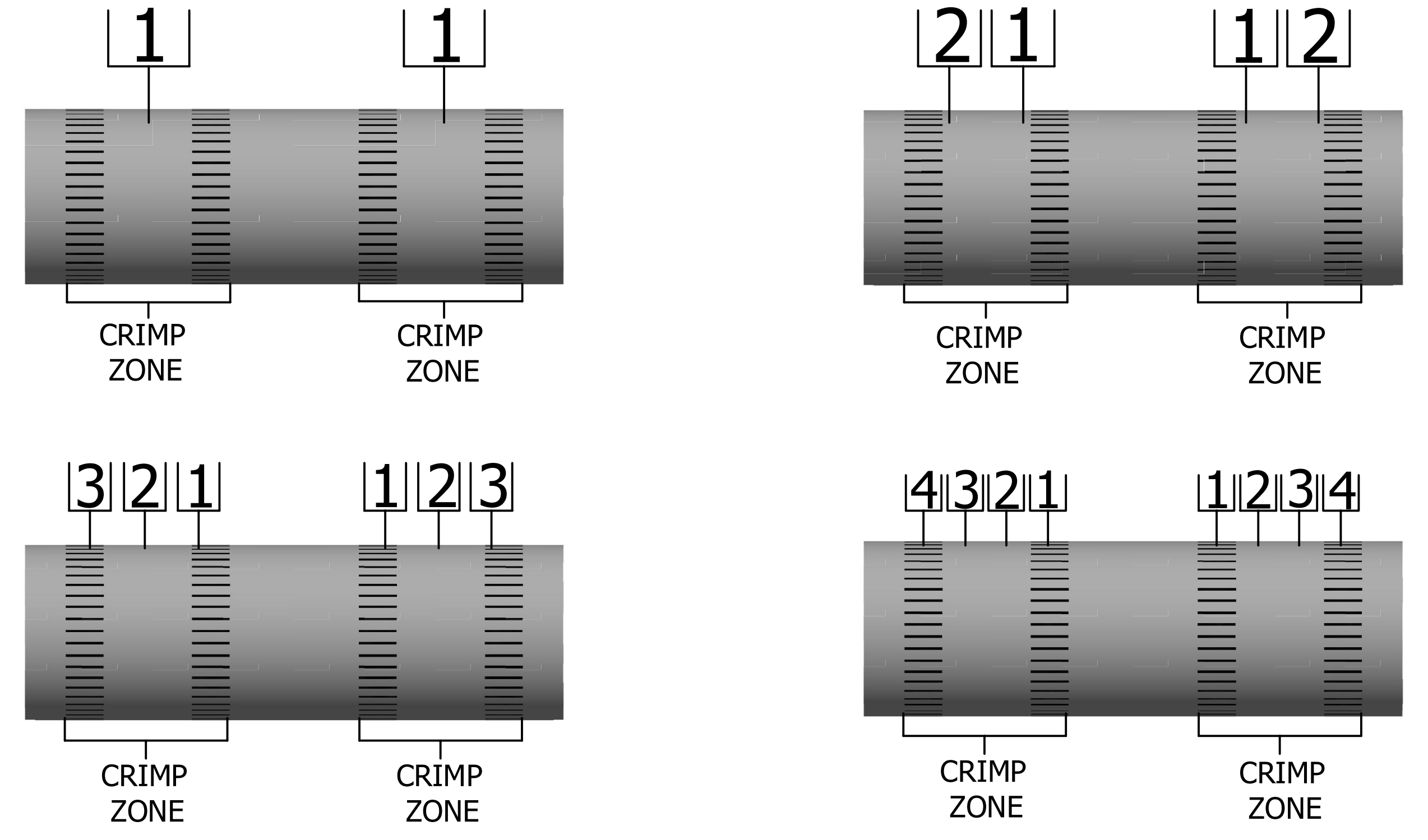
Installation Instructions

Installation instructions help the installer understand proper wire preparation, proper insertion requirements, crimp zone location, individual crimp location, crimp order and crimp direction, to ensure safe and reliable wire connections. In order to obtain a UL Listing BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more UL categories.

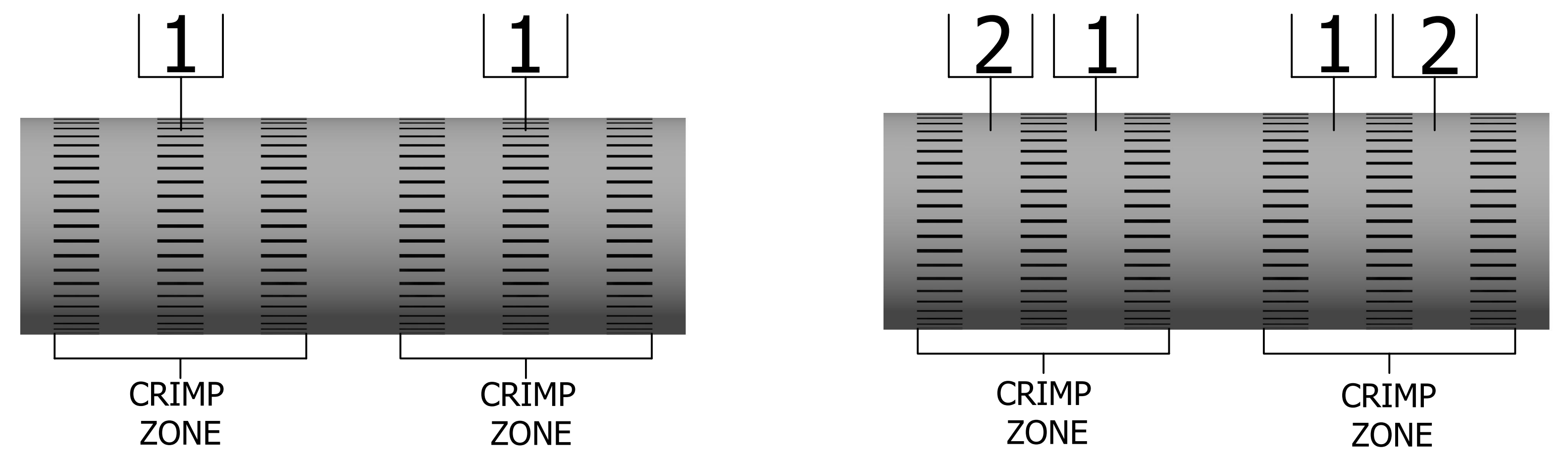
Aluminum Installation Steps:

- Select the appropriate connector based on:
 - Wire Material
 - Wire Construction
 - Wire Size
- Strip the insulation to the appropriate wire strip length, based on the table's Wire Strip Length recommendation for the selected connector. Due to tolerances in the connector, wire strip length, and insulation stripping tools, this range may be 0" - 1/4". The exposed wire, also known as a "shiner", has no performance impact on the connection and there is no wire exposure requirement by BURNDY.
- Wire brush the bare conductor to remove any oxides. DO NOT wire brush tin-plated connectors.
- Apply PENETROX™ A13 oxide inhibitor to the bare conductor.
- Insert the conductor into the barrel for the full length. The connector barrel is filled with PENETROX™ A13, so be aware of the following:
 - Oxide inhibitor may discharge from the barrel when wire is fully inserted.
 - Oxide inhibitor may cause resistance that could feel like the wire is fully inserted. Ensure you insert the wire with enough force to penetrate the oxide inhibitor barrier until you reach the full wire insertion distance.
- Apply the proper number of crimps based on the installation tooling requirements. Use the illustrations as a guide on crimp placement and direction for the proper number of crimps.
- Remove excess PENETROX™ A13 that may discharge during installation.
- *YS39A- Accommodating 900 kcmil compact aluminum wire will require the use of a 644 or 444s series installation tool.
- *YS42A- Accommodating 600 kcmil copper wire will require the use of a 644 or 444s series installation tool.

CATALOG NUMBER DESIGNATIONS					
YS8CA	YS6CA	YS4CA	YS2CA	YS1CA	YS25A



CATALOG NUMBER DESIGNATIONS					
YS26A	YS27A	YS28A	YS29A	YS30A	YS31A
YS39AM	YS40A	YS44A	YS45A	YS46A	YS48A



TO ORDER BURNDY® PRODUCTS CALL		HYLINK	
UNITED STATES		ITEM NO: SEE TABLE	
1-800-346-4175 (LONDONDERRY, NH)		CAT. NO: SEE TABLE	
CANADA:		DRAWN BY: ESK 24-08-1972	
1-800-361-6975 (QUEBEC)		CHECKER: SFP 25-08-1972	
1-800-387-6487 (ALL OTHER PROVINCES)		DSN APRVL: D.C.W. 12-12-1972	
FOR PRODUCT INFO: http://www.burndy.com		MFG APRVL: --	
		QA APRVL: D VARIO 07-25-1995	
		MKT APRVL: P WERTHMAN 04-17-1995	
		PROD FAM: --	
		PROJECT #: --	
		SIZE	
		D	
		DRAWING NO	
		SD073942	
		SHEET 3 OF 4	
		REV	
		L	

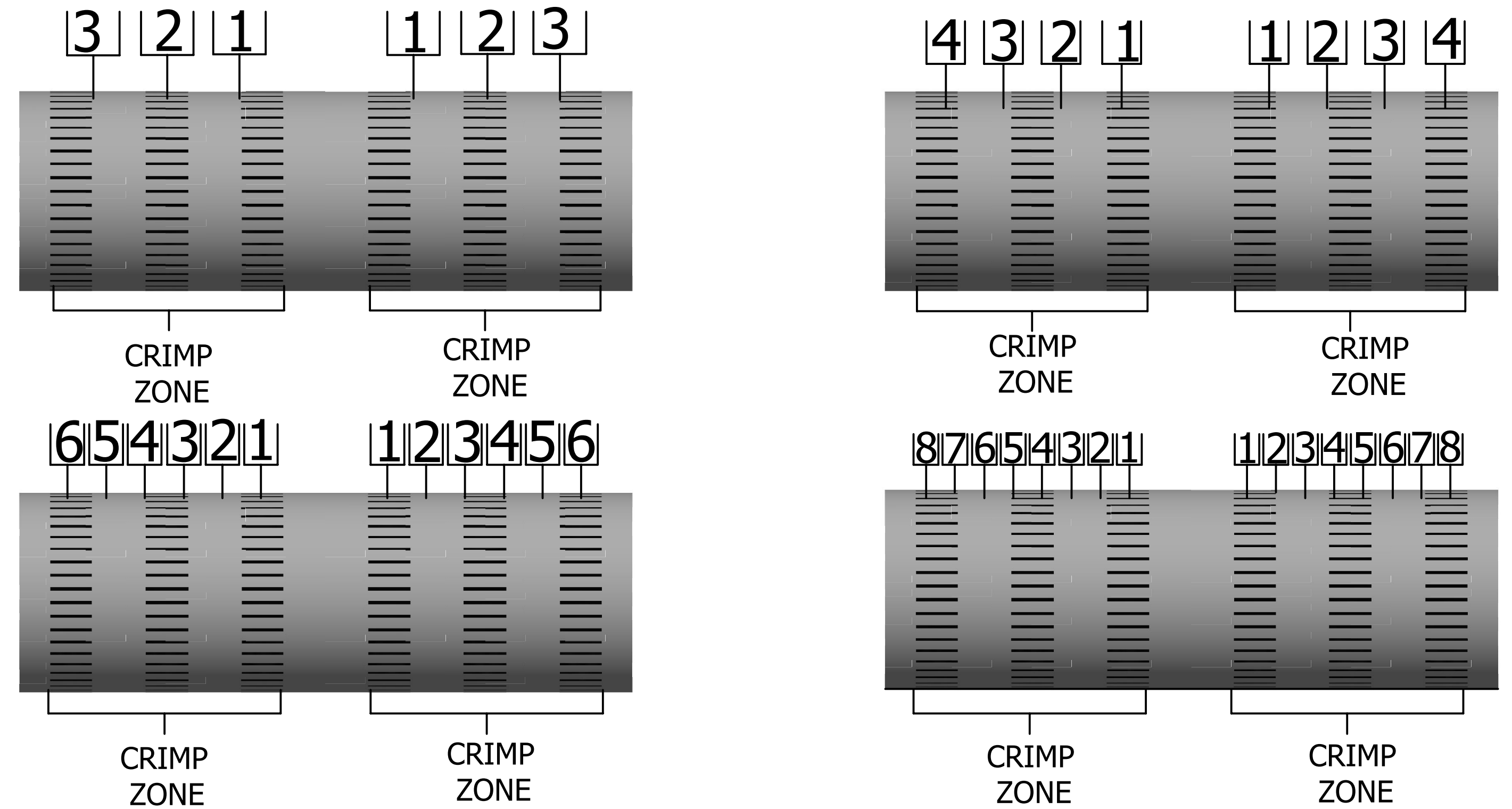
Installation Instructions

Installation instructions help the installer understand proper wire preparation, proper insertion requirements, crimp zone location, individual crimp location, crimp order and crimp direction, to ensure safe and reliable wire connections. In order to obtain a UL Listing BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more UL categories.

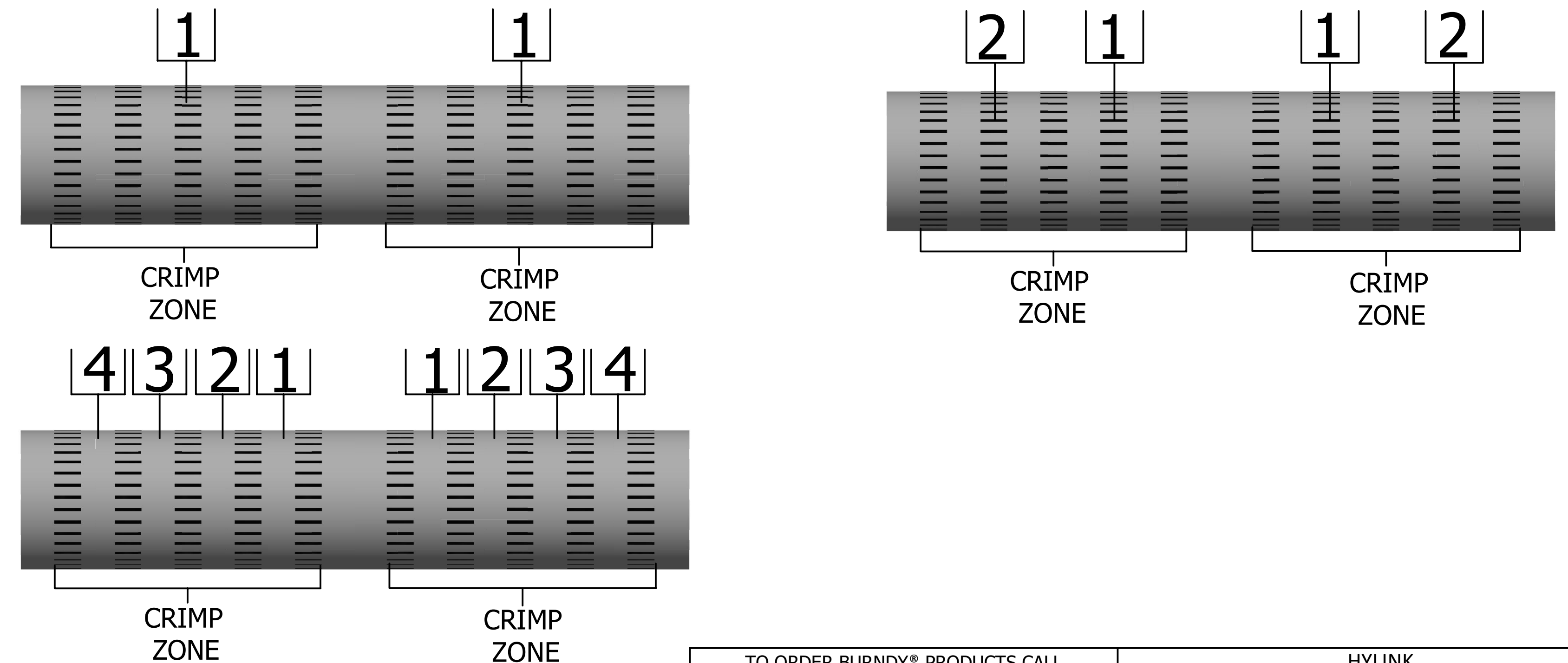
Aluminum Installation Steps:

- Select the appropriate connector based on:
 - Wire Material
 - Wire Construction
 - Wire Size
- Strip the insulation to the appropriate wire strip length, based on the table's Wire Strip Length recommendation for the selected connector. Due to tolerances in the connector, wire strip length, and insulation stripping tools, this range may be 0" - 1/4". The exposed wire, also known as a "shiner", has no performance impact on the connection and there is no wire exposure requirement by BURNDY.
- Wire brush the bare conductor to remove any oxides. DO NOT wire brush tin-plated connectors.
- Apply PENETROX™ A13 oxide inhibitor to the bare conductor.
- Insert the conductor into the barrel for the full length. The connector barrel is filled with PENETROX™ A13, so be aware of the following:
 - Oxide inhibitor may discharge from the barrel when wire is fully inserted.
 - Oxide inhibitor may cause resistance that could feel like the wire is fully inserted. Ensure you insert the wire with enough force to penetrate the oxide inhibitor barrier until you reach the full wire insertion distance.
- Apply the proper number of crimps based on the installation tooling requirements. Use the illustrations as a guide on crimp placement and direction for the proper number of crimps.
- Remove excess PENETROX™ A13 that may discharge during installation.
- *YS39A- Accommodating 900 kcmil compact aluminum wire will require the use of a 644 or 444s series installation tool.
- *YS42A- Accommodating 600 kcmil copper wire will require the use of a 644 or 444s series installation tool.

REV	DATE	DESCRIPTION	ECO	BY	C'H'K.
L	4/27/2021	NEW DRAWING CREATION	210423007498	SS	YR



CATALOG NUMBER DESIGNATIONS				
YS32A	YS34A	YS36A	YS39A*	YS42A*



TO ORDER BURNDY® PRODUCTS CALL		HYLINK														
UNITED STATES 1-800-346-4175 (LONDONDERRY, NH)		ITEM NO: SEE TABLE														
CANADA: 1-800-361-6975 (QUEBEC) 1-800-387-6487 (ALL OTHER PROVINCES)		CAT. NO: SEE TABLE														
FOR PRODUCT INFO: http://www.burndy.com		<table border="1"> <tr> <td>DRAWN BY: ESK</td> <td>24-08-1972</td> </tr> <tr> <td>CHECKER: SFP</td> <td>25-08-1972</td> </tr> <tr> <td>DSN APRVL: D.C.W.</td> <td>12-12-1972</td> </tr> <tr> <td>MFG APRVL: --</td> <td></td> </tr> <tr> <td>QA APRVL: D VARIO</td> <td>07-25-1995</td> </tr> <tr> <td>MKT APRVL: P WERTHMAN</td> <td>04-17-1995</td> </tr> </table>	DRAWN BY: ESK	24-08-1972	CHECKER: SFP	25-08-1972	DSN APRVL: D.C.W.	12-12-1972	MFG APRVL: --		QA APRVL: D VARIO	07-25-1995	MKT APRVL: P WERTHMAN	04-17-1995		
DRAWN BY: ESK	24-08-1972															
CHECKER: SFP	25-08-1972															
DSN APRVL: D.C.W.	12-12-1972															
MFG APRVL: --																
QA APRVL: D VARIO	07-25-1995															
MKT APRVL: P WERTHMAN	04-17-1995															
<table border="1"> <tr> <td>PROJECT #:</td> <td>---</td> <td>SIZE</td> <td>D</td> </tr> <tr> <td>DOCUMENT TYPE:</td> <td>SALES</td> <td></td> <td></td> </tr> <tr> <td>REL LEVEL:</td> <td>Released</td> <td></td> <td></td> </tr> </table>		PROJECT #:	---	SIZE	D	DOCUMENT TYPE:	SALES			REL LEVEL:	Released					
PROJECT #:	---	SIZE	D													
DOCUMENT TYPE:	SALES															
REL LEVEL:	Released															
		DRAWING NO: SD073942		REV: L												
		SHEET 4 OF 4														