Service 2026

Instructions



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SERVICE 2026

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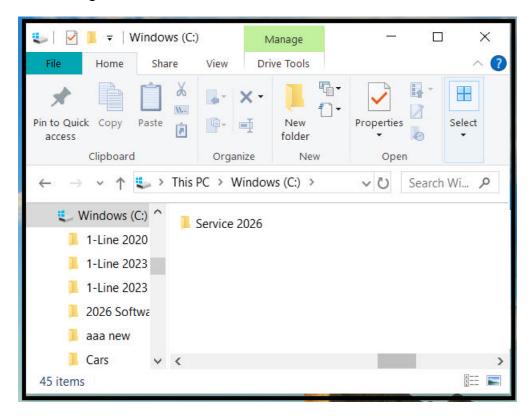
The **Service 2026** software is a spreadsheet template software program for calculating main service panel size, feeder sizes and single family 1-Line drawings. The **Service 2026** software is for reference purposes only, and Durand & Associates cannot assume any responsibility for the accuracy of the program contents. In using this program the user agrees to hold harmless and wave all claims against Durand & Associates.

SOFTWARE REQUIREMENTS

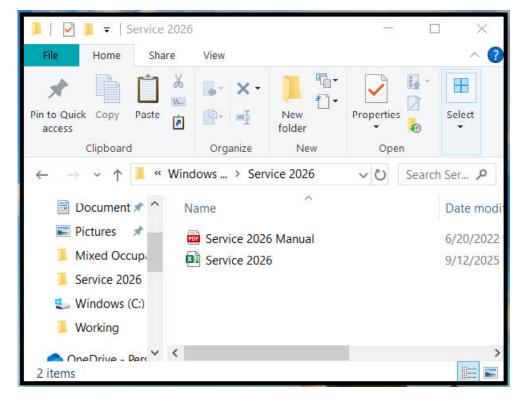
Service 2026 was created with Microsoft Excel 2007. To use these templates you must have Microsoft Excel, Version 2007 or later, installed on your computer.

SERVICE 2026 TEMPLATE

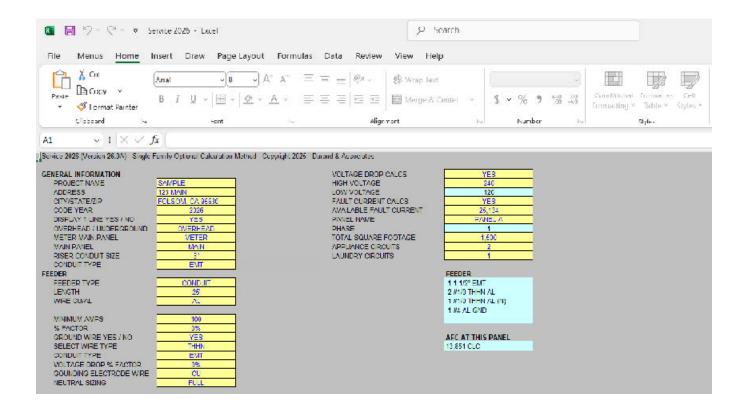
To use the template start your Excel program and select File Open (Ctrl + O). Then navigate to the "Service 2026" folder.



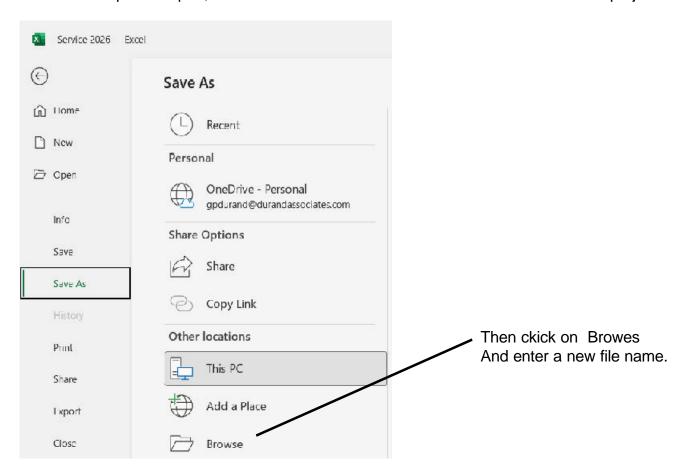
Double click on the "Service 2026" folder which will display the folder's contents.

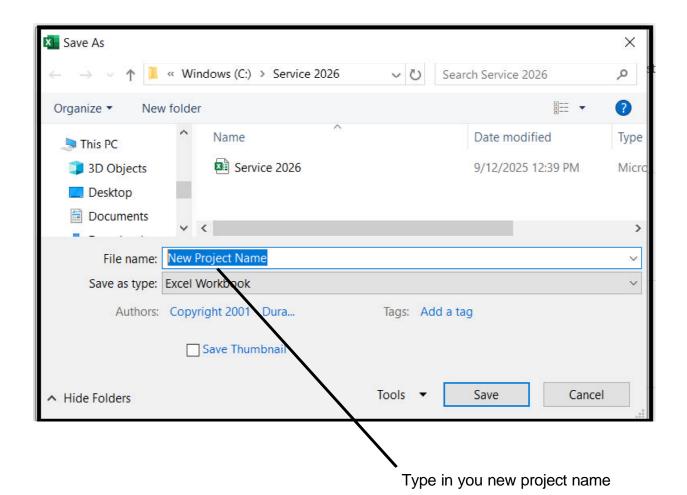


Then double click on the Service 2026 icon to open the template.



Once the template is open, use the "File Save As" command to save the file as a new project.





Page 5

TABS



Located at the bottom of the screen are 4 tabs. One marked Input one marked Calcs one mark Dir Input and the other marked Dir Print.

The Input tab is used to enter your project's information.

The Calcs tab is used to view and print your load calculations.

The Dir Input is used to enter your circuit directory.

The Dir Print is used to print your circuit directory.

GENERAL ENTRIES

PROJECT NAME	SAMPLE
ADDRESS	123 MAIN
CITY/STATE/ZIP	FOLSOM, CA 95630
CODE YEAR	2026
DISPLAY 1-LINE YES / NO	YES
OVERHEAD / UNDERGROUND	OVERHEAD
METER-MAIN.PANEL	METER
MAIN-PANEL	MAIN
RISER CONDUIT SIZE	3"
CONDUIT TYPE	EMT

CODE YEAR Select 2017, 2020, 2023 or 2026

DISPLAY 1-LINE This will turn on or off the 1-Line drawing on the load calcs.

OVERHEAD / UNDERGROUND Selecting overhead will display an overhead service on the

1-Line, and selecting underground will display an under

ground conduit on the 1-Line.

METER MAIN PANEL METER - Will display a single meter.

METER MAIN - Will display a meter main combination.

METER MAIN PANEL - Will display a meter main & panel

combination.

MAIN PANEL MAIN - Will display a separate main breaker.

MAIN PANEL - Will display a panel with a main breaker.

CONDUIT SIZE Select none or the desired conduit size for your riser

or underground conduit.

CONDUIT TYPE Select the type of conduit.

GENERAL ENTRIES (continued)

FEEDER TYPE	CONDUIT
LENGTH	25'
WIRE CU/AL	AL
MINIMUM AMPS	100
% FACTOR	0%
GROUND WIRE YES / NO	YES
SELECT WIRE TYPE	THHN
CONDUIT TYPE	EMT
VOLTAGE DROP % FACTOR	0%
GOUNDING ELECTRODE WIRE	CU
NEUTRAL SIZING	FULL

FEEDER TYPE Enter Conduit, SER or MC

LENGTH Enter the one way length of the feeder.

WIRE CU/AL Enter CU or AL.

MINIMUM AMPS Enter number between 100 & 400.

% FACTOR Enter % for future use. Example if the load is 150 amps

and you enter 10% the design load will be 165 amps.

SELECT WIRE TYPE Select wire type.

GROUND WIRE YES/NO Enter YES or NO.

CONDUIT TYPE Select conduit type.

VOLTAGE DROP % FACTOR Enter the % factor to increase the wire size. Example

if you enter 10% the program will increase wire size 10%

which will reduce the voltage drop.

GROUND ELECTRODE WIRE Enter CU or AL

NEUTRAL SIZING Enter FULL or AUTO. NOTE This option only appears

when using conduit.

GENERAL ENTRIES (continued)

DESCRIPTION	QTY	KVA EACH
RANGE(S) & OVEN(S)	1	12
CLOTHES DRYER(S)	1	5
WATER HEATER(S)	1	2.5

RANGE(S) & OVEN(S) Enter number of ranges, ovens, and KVA rating.

CLOTHES DRYER(S) Enter number of dryers and KVA rating.

WATER HEATER(S) Enter number of water heaters and KVA rating.



Enter heating & cooling loads listed above.

GENERAL ENTRIES (continued)

EV Chargers (Only applies to Code years 2023 and 2026)

ELECTRIC VEHICLE SUPPLY EQUIPME	NT 120.57	
EV CHARGER(S) YES / NO	QTY	WATTAGE
YES	1	7,200

Enter the description, number of units, and the amps for each item.

MISC. 120 VOLT LOADS 220.82(B)(4)		AMPS
DESCRIPTION	QTY.	EACH
1 DISHWASHER	1	12
2 DISPOSAL	1	4.5
3 MICROWAVE	1	11
4		

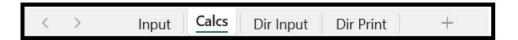
DESCRIPTION	QTY.	EACH
	QII.	
1 POOL PUMP	1	7.5
2		
3		55 No.
4		
5		Al.
6		8
7		
8	-	N.
9		

Enter the description, number of units, amps, and the phase for each item.

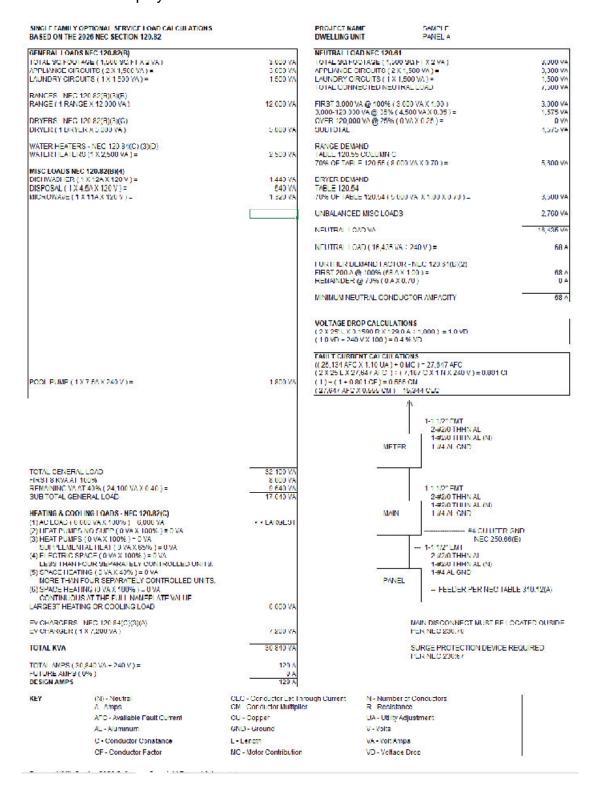
NOTE: Phase column only appears when using a 3-Phase panel.

PRINTING

When you project is complete click on the Calcs tab.

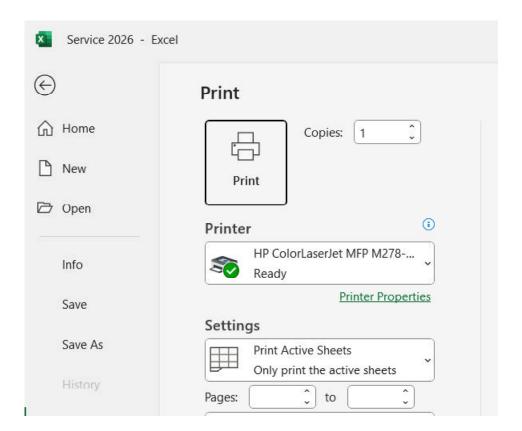


This will display the load calculations



PRINTING

Hold down the Ctrl + P to bring up the print command



If the calculations print on more than one page, go to the "File Page Setup Command" and reduce the percentage.