Panel &1-Line 2008 Order Form

Company Name _____

Contact Name _____

Address _____

City _____ ST _____ Zip _____

Phone _____

Email _____

Because you are a registered user of 1-Line or Software you are entitled to upgrade to Panel 2008 or the all new 1-Line 2008. These programs conform to the 2002, 2005, 2008 NEC.

CHECK ONE OR BOTH

☐ Panel 2008 Upgrade - Only $125 (Regular Price $225) **You Save $100**
The all new Panel 2008 now includes a Code year selectable feature that allows you to choose the 2002, 2005 or 2008 NEC.

☐ 1-Line 2008 Upgrade - Only $225.00 (Regular Price $435.00) **You Save $210**
The all new 1-Line 2008 software will allow you to link up to 24 panels to a main switchboard and printout a 1-Line drawing. 1-Line 2008 now includes a Code year selectable feature that allows you to choose the 2002, 2005 or 2008 NEC

SHIPPING METHOD

☐ Email (FREE) ☐ Email & Hard Copy $10 ☐ Hard Copy Only $10

PAYMENT METHOD

☐ Visa ☐ Master Card ☐ AMX ☐ Discover ☐ Check Enclosed

Credit Card Number _____

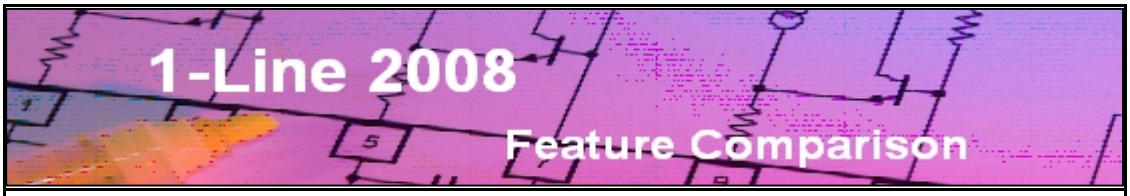
Expiration Date _____

Sign _____

FAX TO: (208) 443-6629

MAIL TO:

Durand & Associates
176 Three Waters Road
Priest Lake, ID 83856
Phone (208) 443-6627



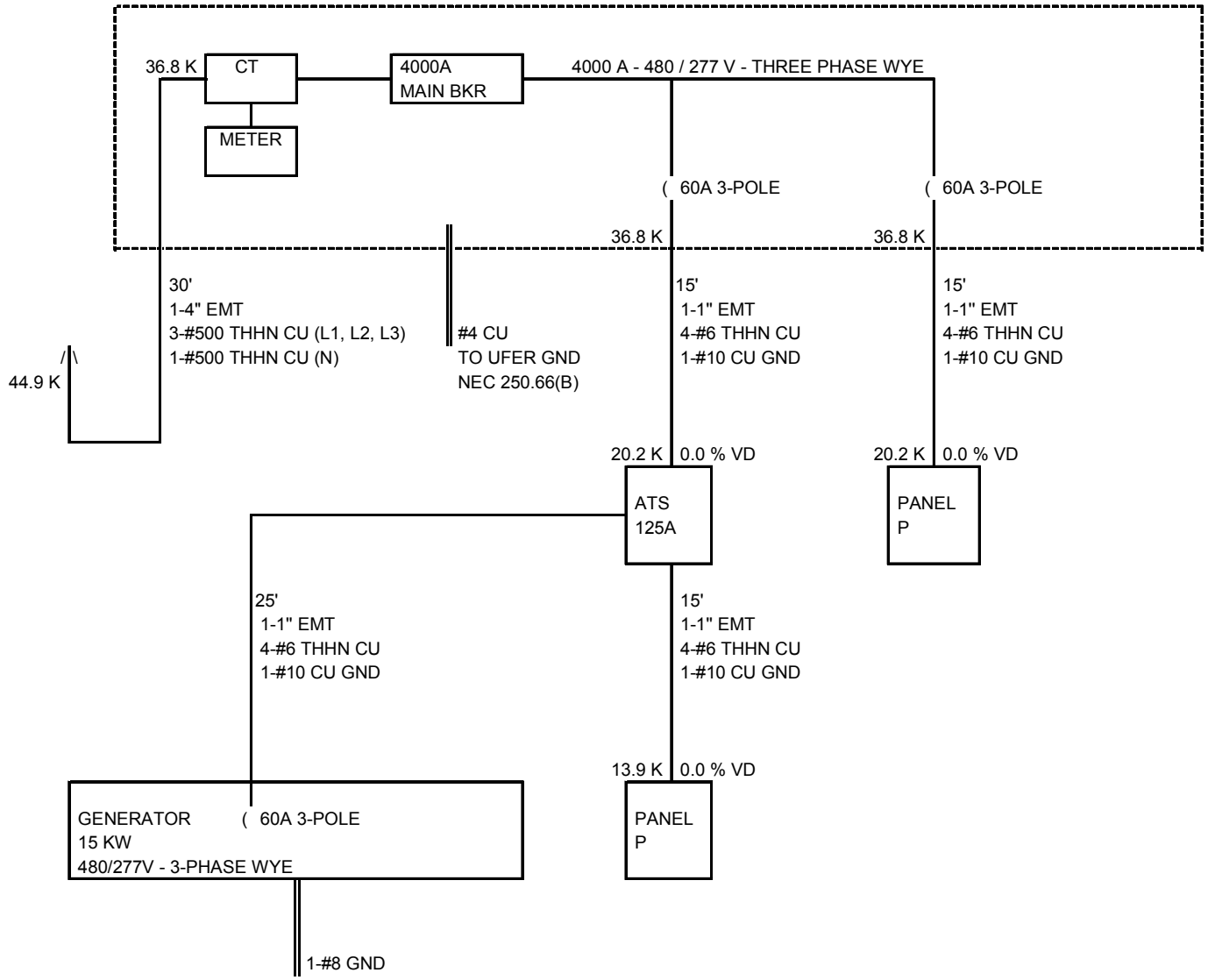
Feature Comparison	1-Line 2005	1-Line 2007	1-Line 2008
Number of Panels	12	18	**24**
Number of Sub Panels	0	18	**24**
Number of Xmfr Panels	0	18	**24**
Automatic Transfer Switch	No	No	**Yes**
Automatic Generator Sizing	No	No	**Yes**
Code Year Selectable	No	No	**Yes**
True Phase Display	No	No	**Yes**
2008 Code Compliant	No	No	**Yes**
2005 Code Compliant	Yes	Yes	**Yes**
2002 Code Compliant	No	No	**Yes**
Load Calc Summary	No	Yes	**Yes**
Neutral Load Calc Summary	No	No	**Yes**
Minimum Neutral Load Calc	No	No	**Yes**
Sub Panel Metering	No	Yes	**Yes**
Subpanel Breaker Position	None	Fixed	**Variable**
1-Phase Load Balance	No	Yes	**Yes**
Manual Loads	12	18	**24**
Transformers	0	18	**24**
Main Switchboard	Yes	Yes	**Yes**
84 Circuit Panels	No	Yes	**Yes**
Fault Current Calcs	No	Yes	**Yes**
Manual Fault Current	No	Yes	**Yes**
Manual Error Checking	No	Yes	**Yes**
3-Phase Delta	No	Yes	**Yes**
Feed 1-Phase Panel from 3-Phase Source	No	Yes	**Yes**
True 1-Line Drawing	No	Yes	**Yes**
Voltage Drop Display	No	Yes	**Yes**
Manual Voltage Drop	No	Yes	**Yes**
Auto Conductor Size	Yes	Yes	**Yes**

Automatic Transfer Switch & Generator

1-Line 2008 lets you place a transfer switch on the Main Switch Board at Circuit Position #1.

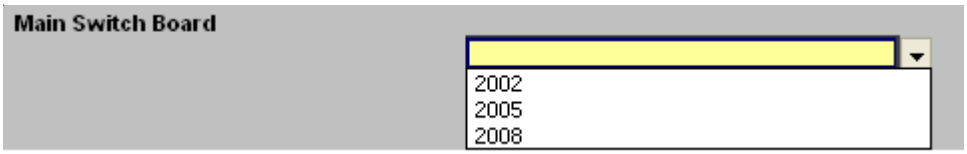
Automatic Transfer Switch & Engine Generator (Located at Circuit Position C1)

AUTOTRANSFERSWITCH	YES
TRANSFER SWITCH SIZING	MANUAL
SIZE OF TRANSFER SWITCH (AMPS)	125
ATS DISTANCE FROM MSWBD	15'
ENGINE GENERATOR	YES
GENERATOR SIZING	MANUAL
KW OF GENERATOR	15
GEN-SET DISTANCE FROM ATS	25'



Code Year Selectable

1-Line 2008 let's you choose the Code Year. (2002, 2005, or 2008)



LOAD CALCULATIONS FOR - MAIN SWITCHBOARD				
BASED ON THE 2008 NEC				NEC 220.61(A)
	L1	L2	L3	NEUTRAL
CALCULATED LOAD (NEC 215.5)	16,300 VA	15,950 VA	15,856 VA	16,300 VA
CALCULATED LOAD WITH DEMAND FACTORS (NEC 215.5)				
GENERAL LOAD	3,000 VA	3,000 VA	3,000 VA	3,000 VA
RECEPTACLE LOAD (NEC TABLE 220.44)				
1ST 10,000W	3,333 VA	3,333 VA	3,333 VA	3,333 VA
REMAINDER @ 50%	1,583 VA	1,583 VA	1,583 VA	1,583 VA
CONTINUOUS LOAD (NEC 215.2)	3,600 VA	3,600 VA	3,600 VA	3,600 VA
PLUS 25% (L1, L2, L3)	900 VA	900 VA	900 VA	
PLUS 0% (NEUTRAL) NEC 215.2(A) EX NO 2				0 VA
MOTOR LOAD (NEC 430.24)	1,900 VA	1,900 VA	1,900 VA	1,900 VA
PLUS 25% OF LARGEST MOTOR	475 VA	475 VA	475 VA	475 VA
KITCHEN LOADS (NEC 220.56)				
L1 (1,300 X 1) =	1,300 VA			1,300 VA
L2 (950 X 1) =		950 VA		
L3 (856 X 1) =			856 VA	
TOTAL BALANCED LOAD (3-PHASE)	15,647 VA	15,647 VA	15,647 VA	
TOTAL BALANCED LOAD (1-PHASE)	94 VA	94 VA	0 VA	
TOTAL UNBALANCED LOAD (1-PHASE)	350 VA	0 VA	0 VA	
				15,191 VA

New Exception to the 2008 NEC

LOAD CALCULATIONS FOR - MAIN SWITCHBOARD				
BASED ON THE 2005 NEC				NEC 220.61(A)
	L1	L2	L3	NEUTRAL
CALCULATED LOAD (NEC 215.5)	16,300 VA	15,950 VA	15,856 VA	16,300 VA
CALCULATED LOAD WITH DEMAND FACTORS (NEC 215.5)				
GENERAL LOAD	3,000 VA	3,000 VA	3,000 VA	3,000 VA
RECEPTACLE LOAD (NEC TABLE 220.44)				
1ST 10,000W	3,333 VA	3,333 VA	3,333 VA	3,333 VA
REMAINDER @ 50%	1,583 VA	1,583 VA	1,583 VA	1,583 VA
CONTINUOUS LOAD (NEC 215.2)	3,600 VA	3,600 VA	3,600 VA	3,600 VA
PLUS 25%	900 VA	900 VA	900 VA	900 VA
MOTOR LOAD (NEC 430.24)	1,900 VA	1,900 VA	1,900 VA	1,900 VA
PLUS 25% OF LARGEST MOTOR	475 VA	475 VA	475 VA	475 VA
KITCHEN LOADS (NEC 220.56)				
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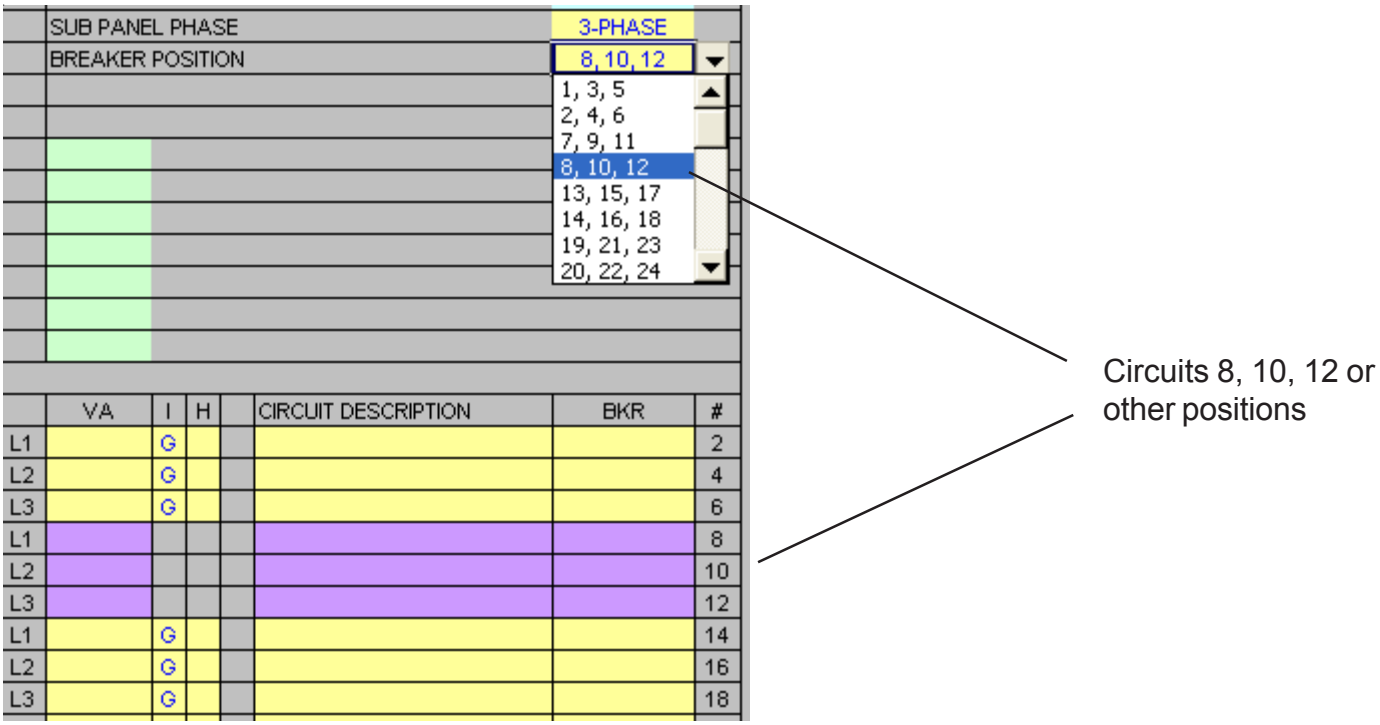
L3 (856 X 1) =			856 VA	
TOTAL BALANCED LOAD (3-PHASE)	15,647 VA	15,647 VA	15,647 VA	
TOTAL BALANCED LOAD (1-PHASE)	94 VA	94 VA	0 VA	
TOTAL UNBALANCED LOAD (1-PHASE)	350 VA	0 VA	0 VA	
				16,091 VA

NEC 2005 Calculation Method

Subpanel Breaker Position

1-Line 2008 let's you place subpanel circuit breaker in various positions.



Minimum Neutral Load Calcs

With 1-Line 2008 you may now select the minimum size neutral.