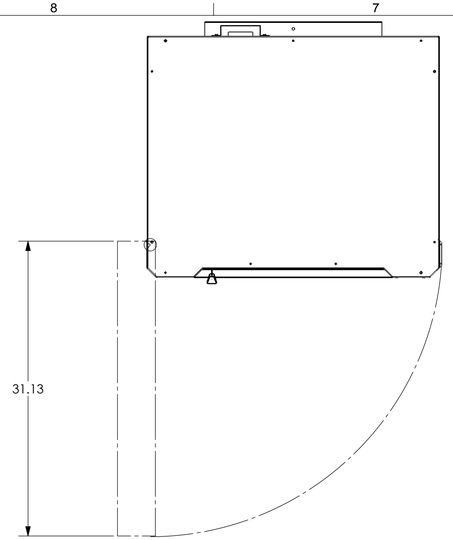
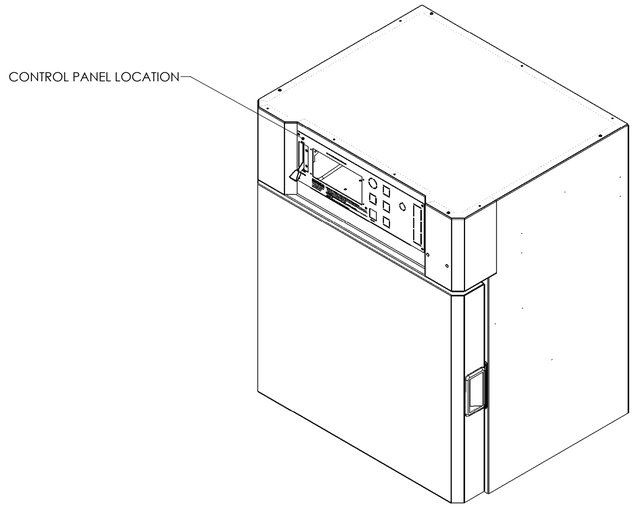
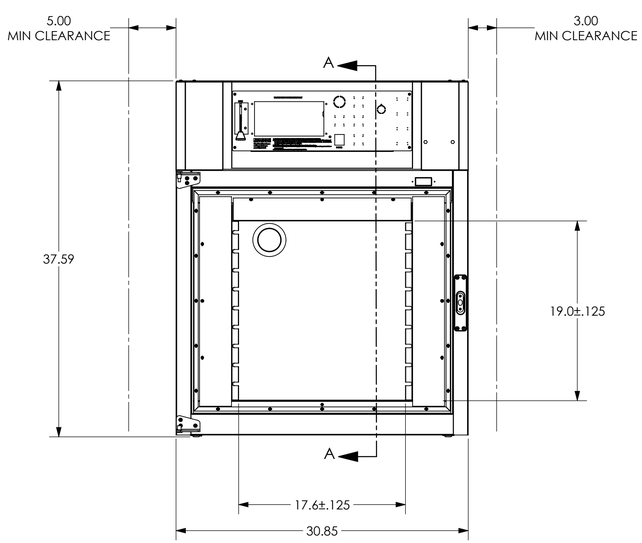
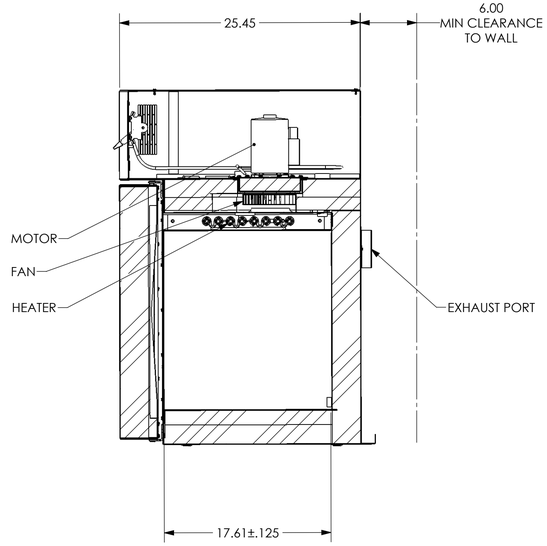
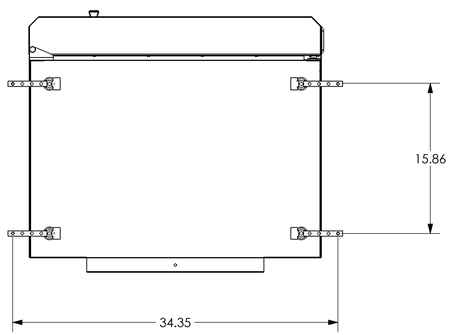








SECTION A-A



REV.	DATE	BY	DESCRIPTION	ECO #

DR'N	BS	SCALE	1:8
CK'D	ERA	DATE	08/18/2014
APP	ERA	SIMILAR TO	— — SWKS

Despatch
MINNEAPOLIS,MN ● LAKEVILLE,MN

LAC1-38-8 SALES PROPOSAL

SIZE	CODE	PART NUMER	REV	SHT OF SHTS
D	— —	342810	B	1 of 2

UNLESS OTHERWISE SPECIFIED DIMENSIONAL TOLERANCES
DECIMALS
.XX ± .030
.XXX ± .005

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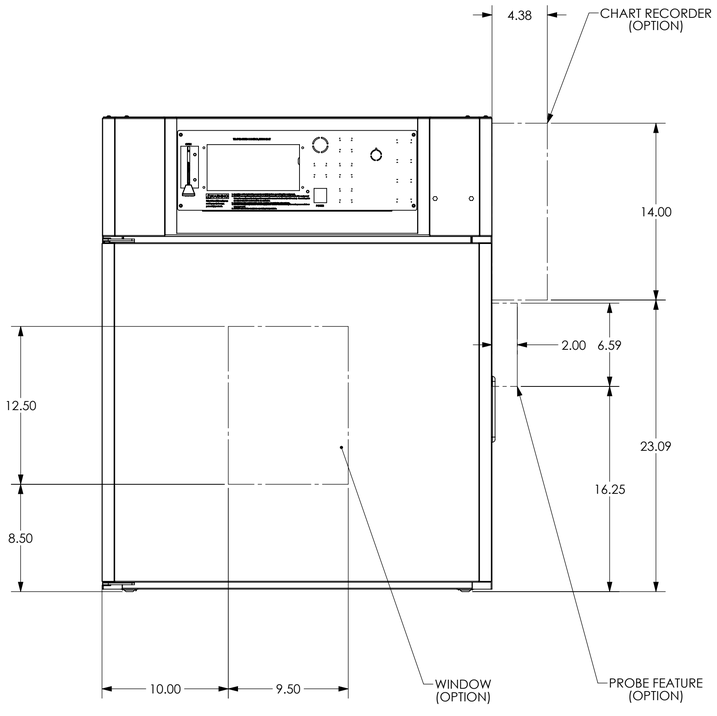
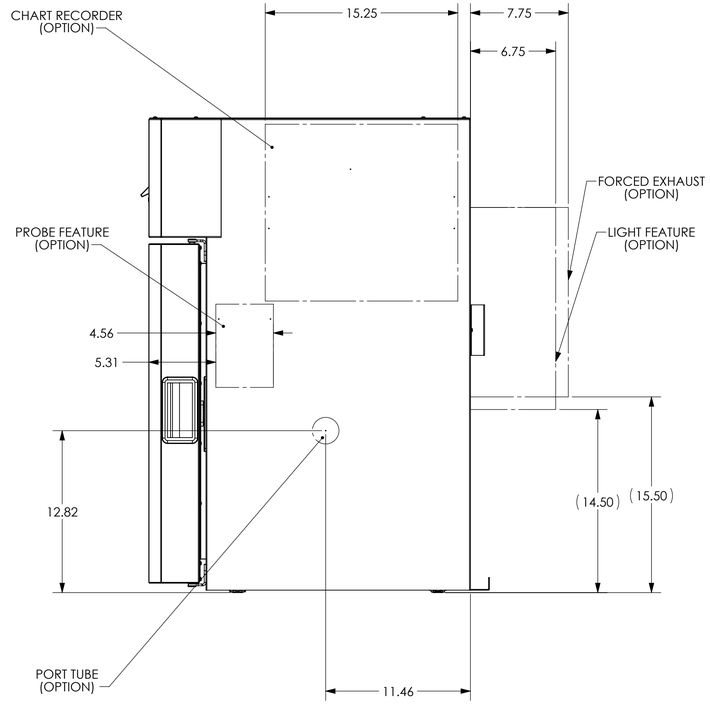
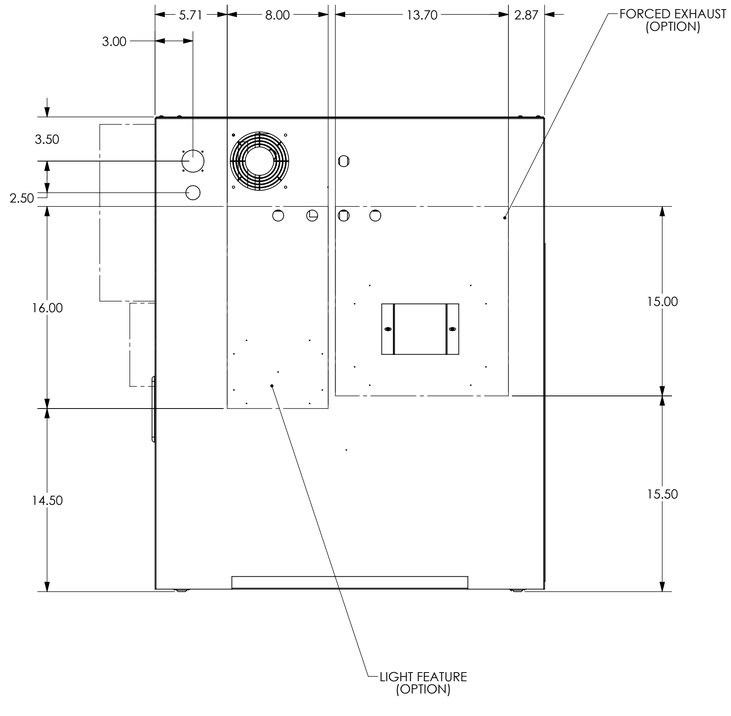
OPTIONAL ASSEMBLIES







DR'N	BS	SCALE	1:8
CK'D	ERA	DATE	08/18/2014
APP	ERA	SIMILAR TO	— — SWKS

Despatch
MINNEAPOLIS,MN ● LAKEVILLE,MN

LAC1-38-8 SALES PROPOSAL

UNLESS OTHERWISE SPECIFIED DIMENSIONAL TOLERANCES
DECIMALS
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.XXX ± .005

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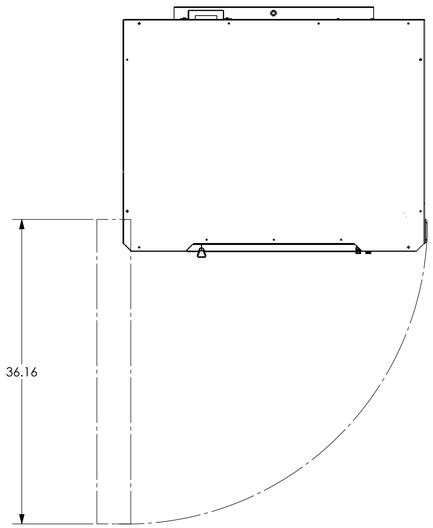
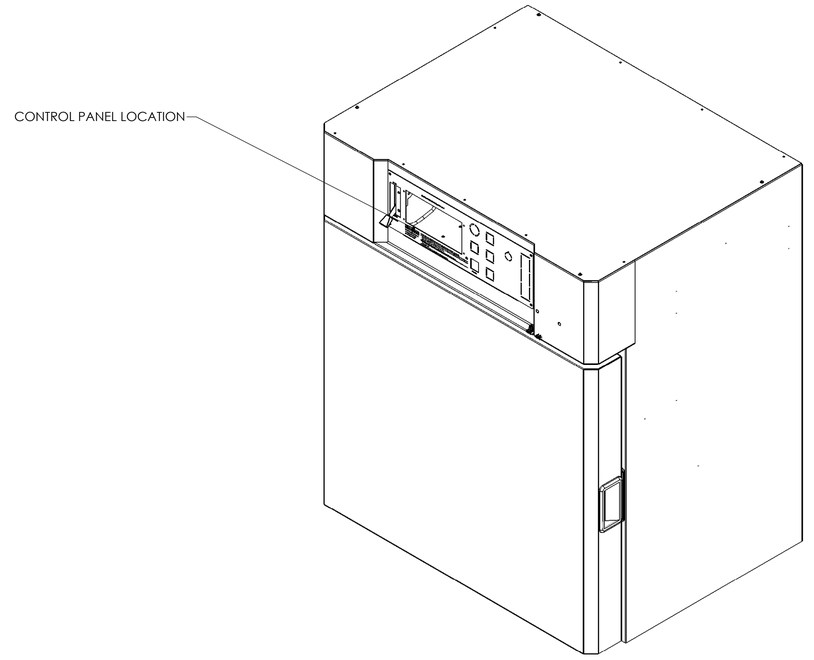
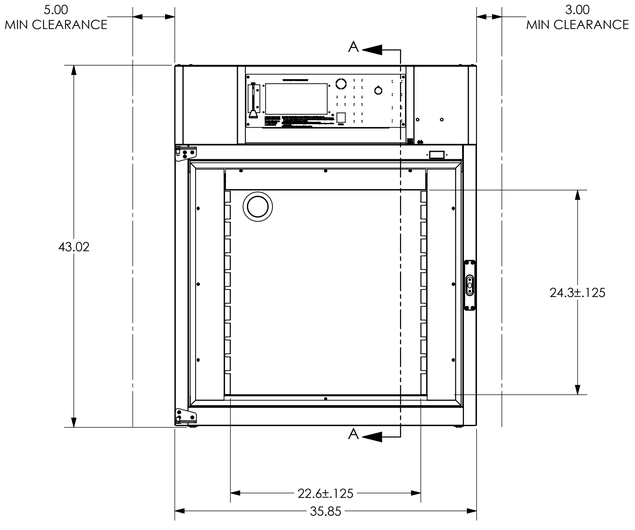
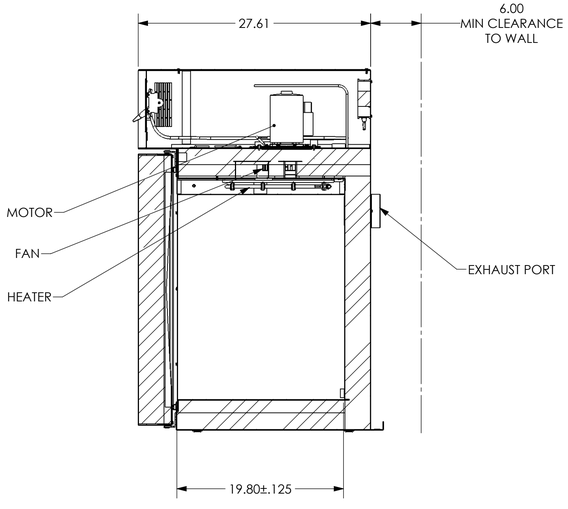
SIZE	CODE	PART NUMER	REV	SHT OF SHTS
D	— —	342810	B	2 of 2

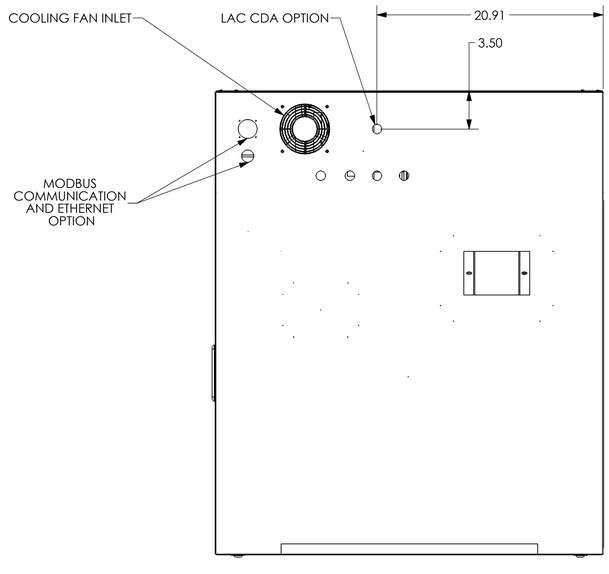


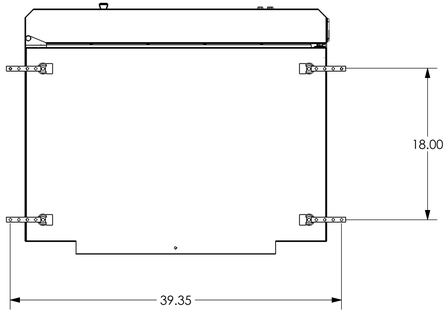






SECTION A-A
SCALE 1 : 9





REV.	DATE	BY	DESCRIPTION	ECO #

DR'N	BS	SCALE	1:8
CK'D	ERA	DATE	08/18/2014
APP	ERA	SIMILAR TO	— — SWKS

Despatch
MINNEAPOLIS,MN ● LAKEVILLE,MN

LAC1-67-8 SALES PROPOSAL

UNLESS OTHERWISE SPECIFIED DIMENSIONAL TOLERANCES
DECIMALS
.XX ± .030
.XXX ± .005

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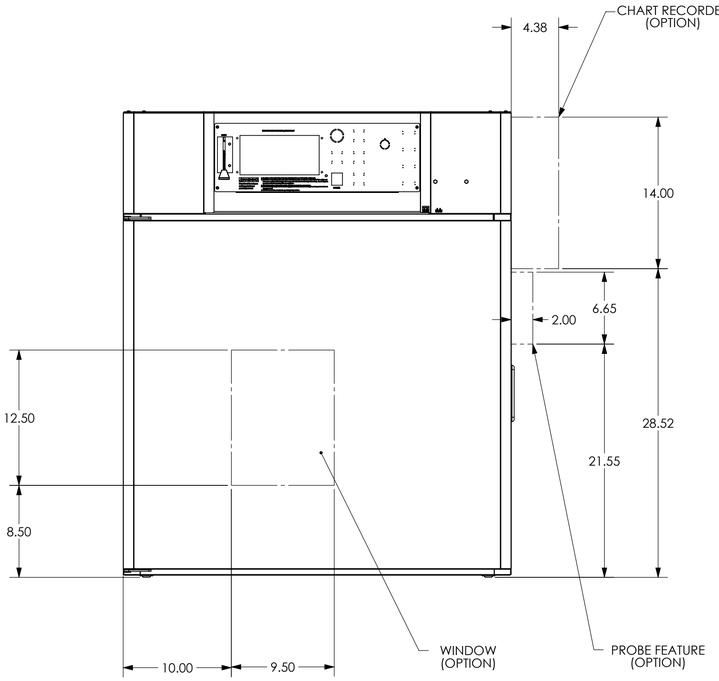
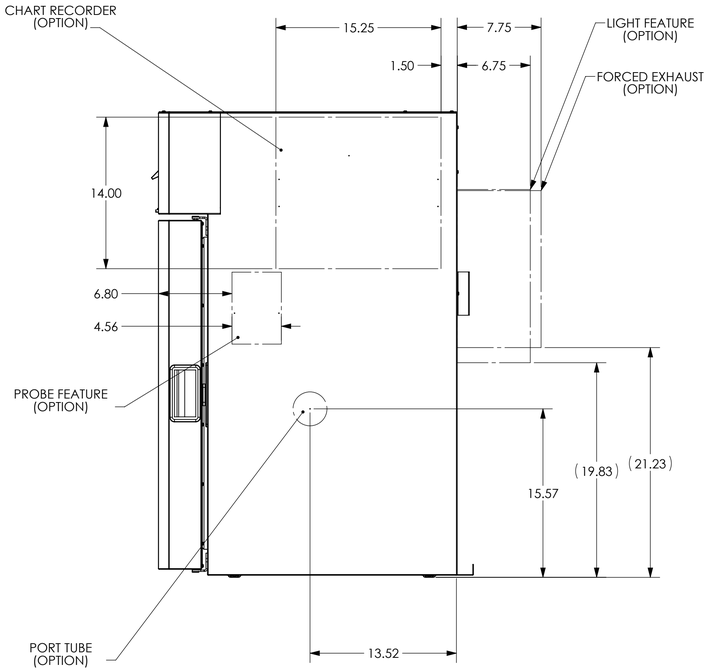
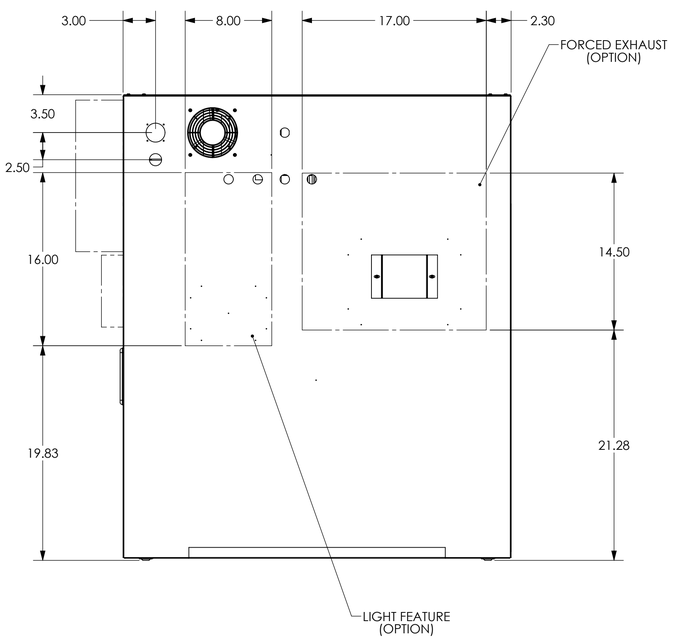
SIZE	CODE	PART NUMER	REV	SHT OF SHTS
D	— —	342828	C	1 of 2

OPTIONAL ASSEMBLIES







DR'N	BS	SCALE	1:8
CK'D	ERA	DATE	08/18/2014
APP	ERA	SIMILAR TO	— — SWKS

UNLESS OTHERWISE SPECIFIED DIMENSIONAL TOLERANCES
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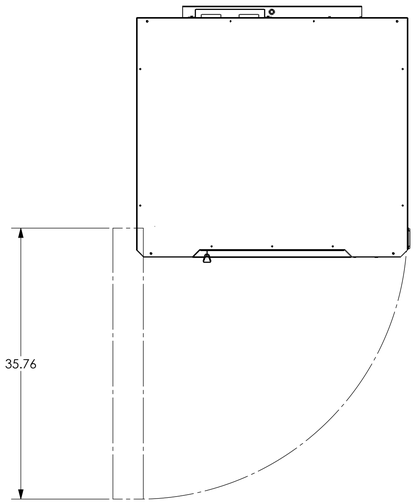
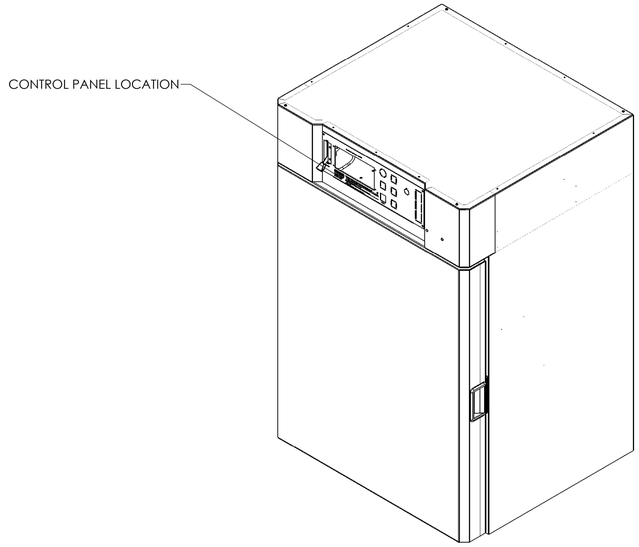
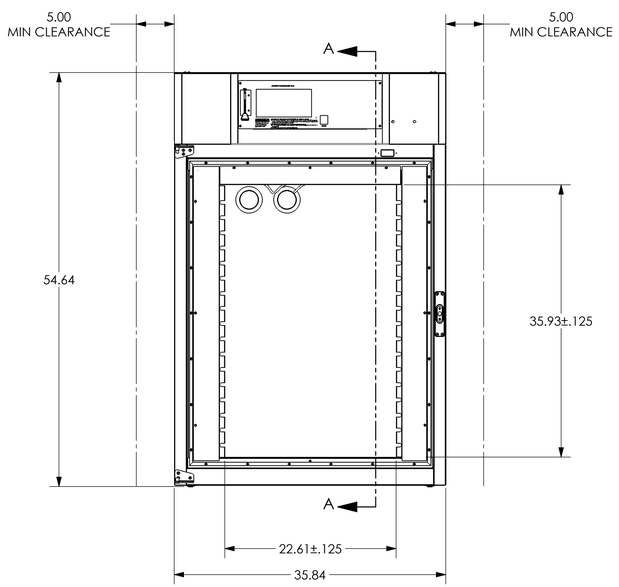
Despatch
MINNEAPOLIS,MN ● LAKEVILLE,MN

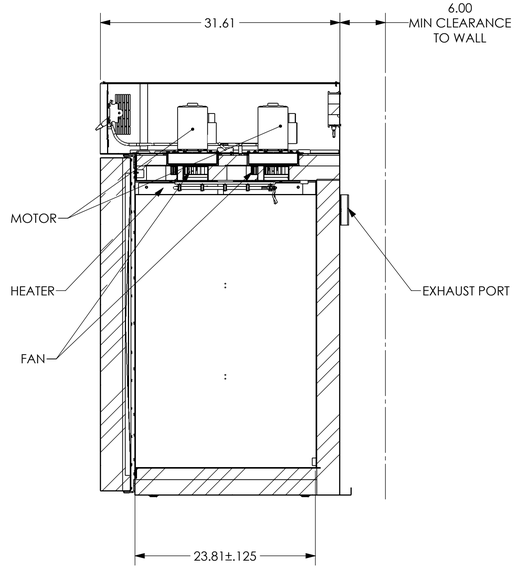
LAC1-67-8 SALES PROPOSAL

SIZE	CODE	PART NUMER	REV	SHT OF SHTS
D	— —	342828	C	2 of 2

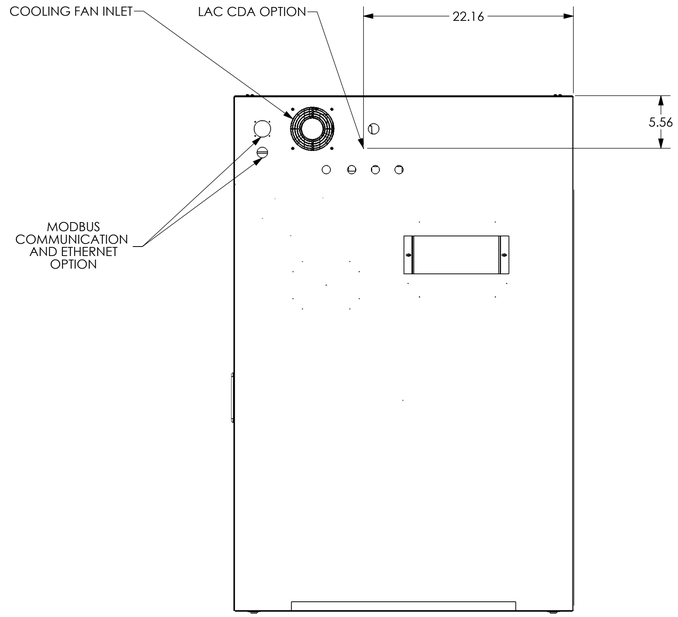


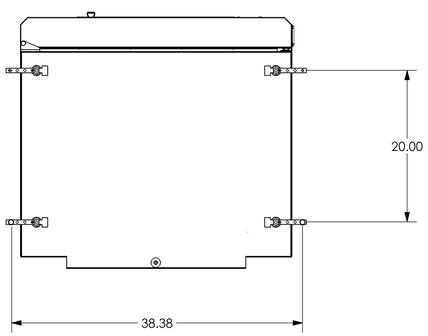






SECTION A-A
SCALE 1 : 10





REV.	DATE	BY	DESCRIPTION	ECO #

DR'N	BS	SCALE	1:12
CK'D	ERA	DATE	08/18/2014
APP	ERA	SIMILAR TO	— — SWKS

UNLESS OTHERWISE SPECIFIED DIMENSIONAL TOLERANCES
DECIMALS
.XX ± .030
.XXX ± .005

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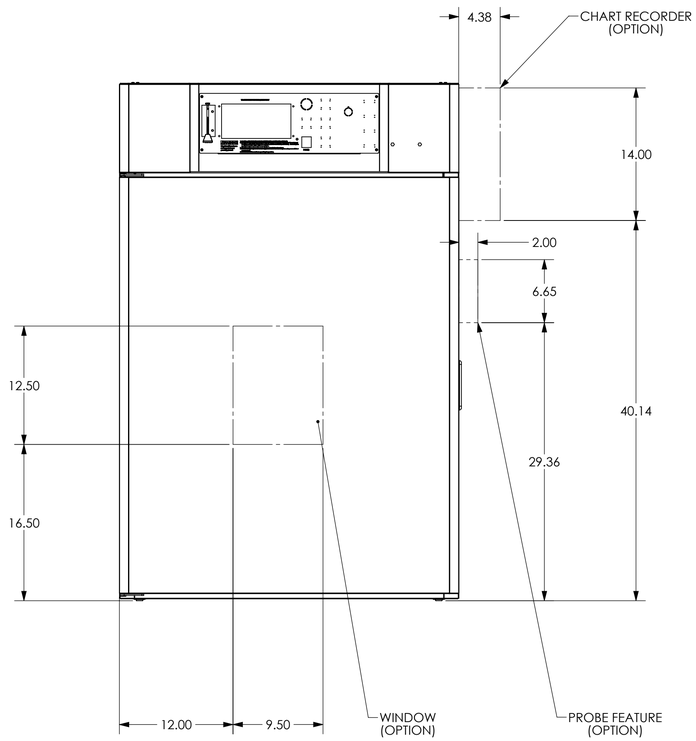
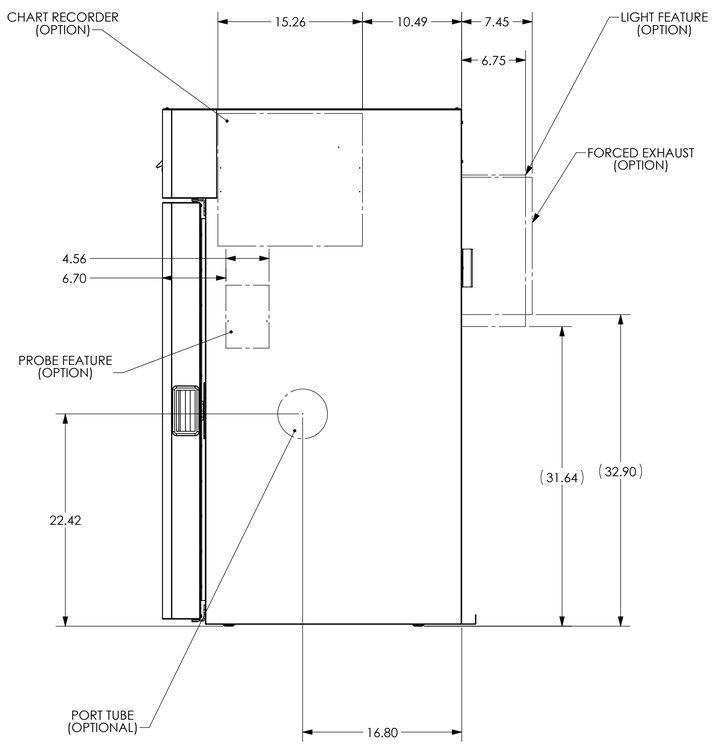
Despatch
MINNEAPOLIS,MN ● LAKEVILLE,MN

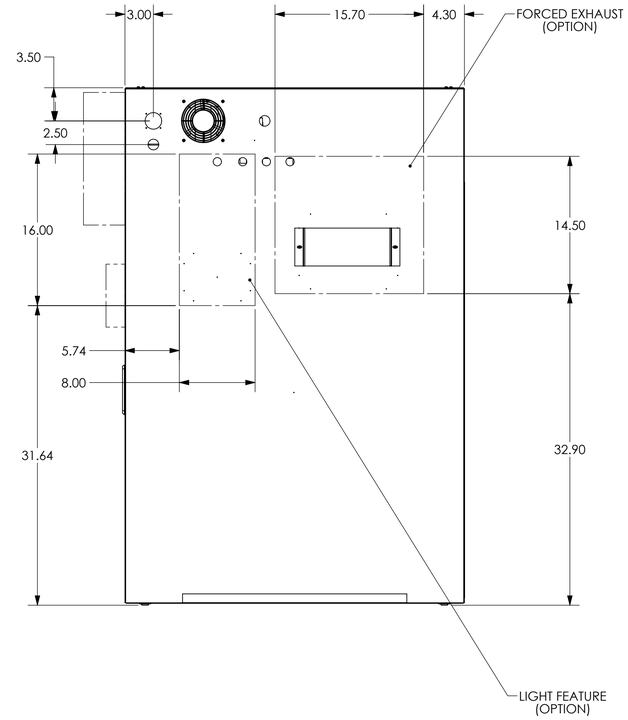
LAC2-12-8 SALES PROPOSAL

SIZE	CODE	PART NUMER	REV	SHT OF SHTS
D	— —	342893	B	1 of 2

OPTIONAL ASSEMBLIES







DR'N	BS	SCALE	1:12
CK'D	ERA	DATE	08/18/2014
APP	ERA	SIMILAR TO	— — SWKS

Despatch
MINNEAPOLIS,MN ● LAKEVILLE,MN

LAC2-12-8 SALES PROPOSAL

UNLESS OTHERWISE SPECIFIED DIMENSIONAL TOLERANCES
DECIMALS
.XX ± .030
.XXX ± .005

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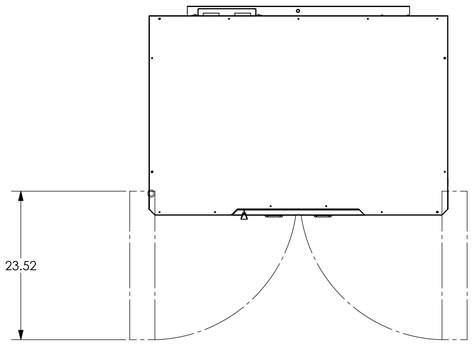
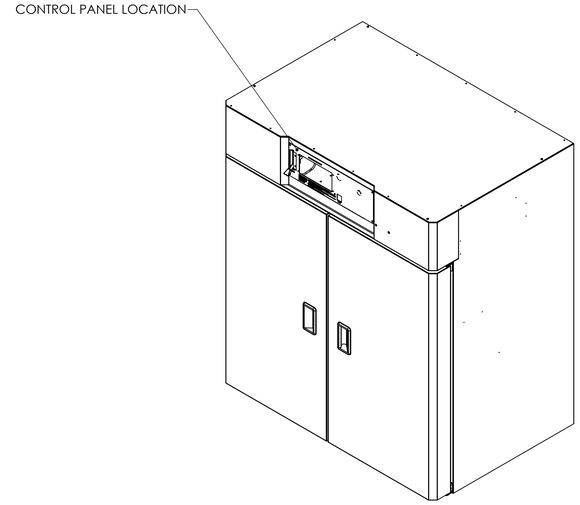
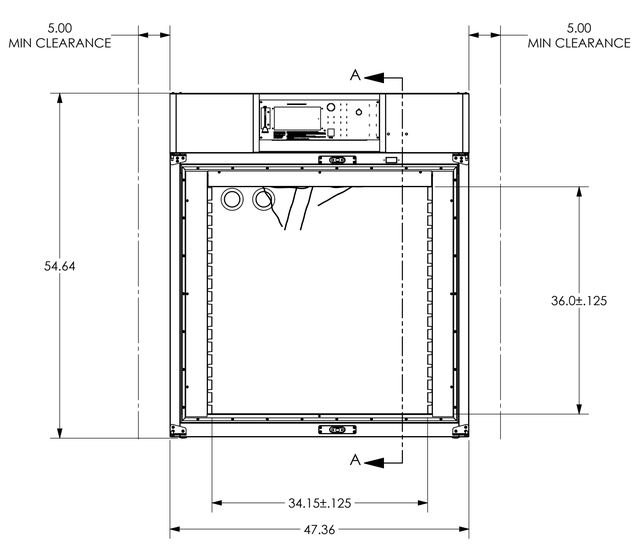
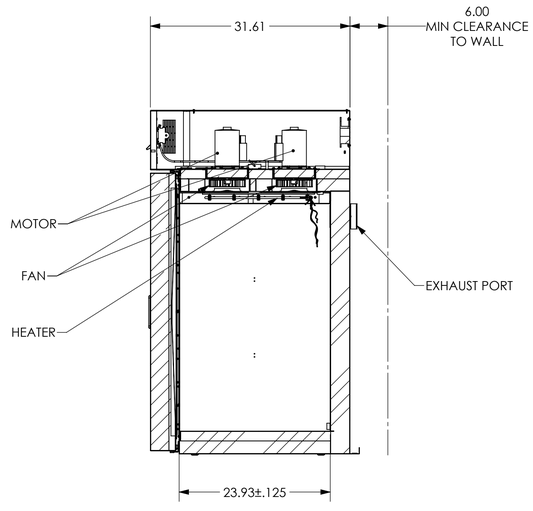
SIZE	CODE	PART NUMER	REV	SHT OF SHTS
D	— —	342893	B	2 of 2

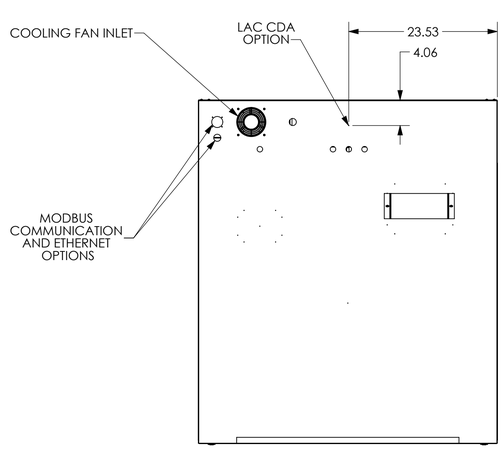


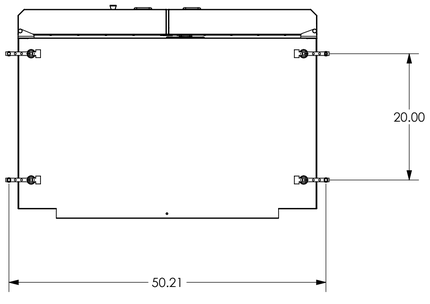






SECTION A-A





REV.	DATE	BY	DESCRIPTION	ECO #

UNLESS OTHERWISE SPECIFIED DIMENSIONAL TOLERANCES
DECIMALS
.XX ± .030
.XXX ± .005

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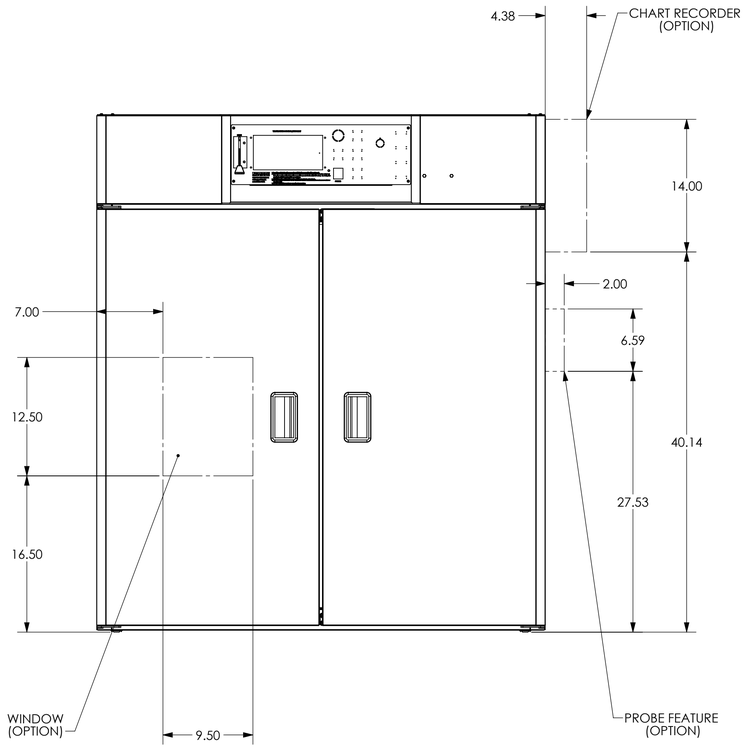
DR'N	BS	SCALE	1:12
CK'D	ERA	DATE	08/18/2014
APP	ERA	SIMILAR TO	— — SWKS

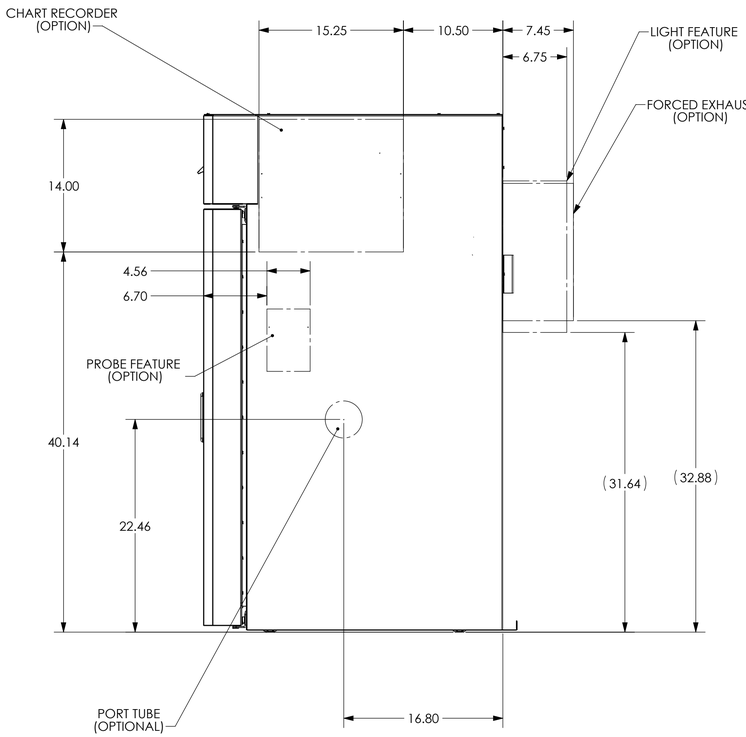
Despatch
MINNEAPOLIS,MN ● LAKEVILLE,MN

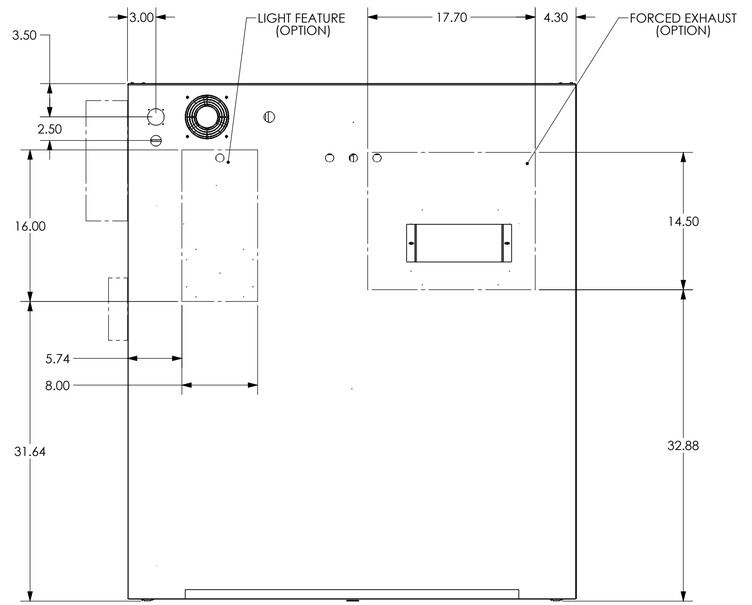
LAC2-18-8 SALES PROPOSAL

SIZE	CODE	PART NUMER	REV	SHT OF SHTS
D	— —	342866	B	1 of 2

OPTIONAL ASSEMBLIES







DR'N	BS	SCALE	1:12
CK'D	ERA	DATE	08/18/2014
APP	ERA	SIMILAR TO	— — SWKS

Despatch
MINNEAPOLIS,MN ● LAKEVILLE,MN

LAC2-18-8 SALES PROPOSAL

UNLESS OTHERWISE SPECIFIED DIMENSIONAL TOLERANCES
DECIMALS .XX ± .030 .XXX ± .005

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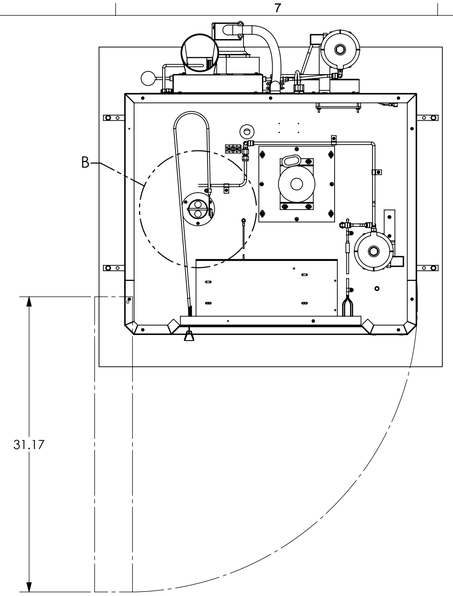
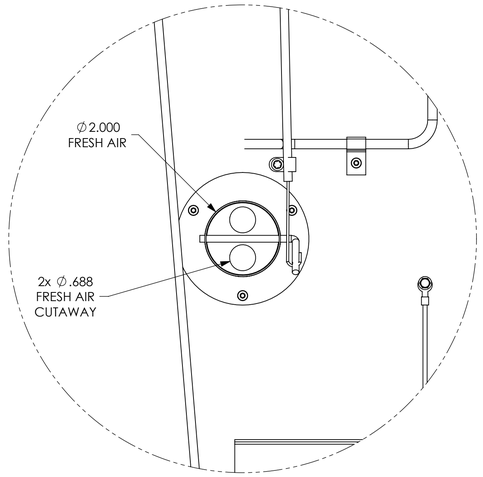
SIZE	CODE	PART NUMER	REV	SHT OF SHTS
D	— —	342866	B	2 of 2





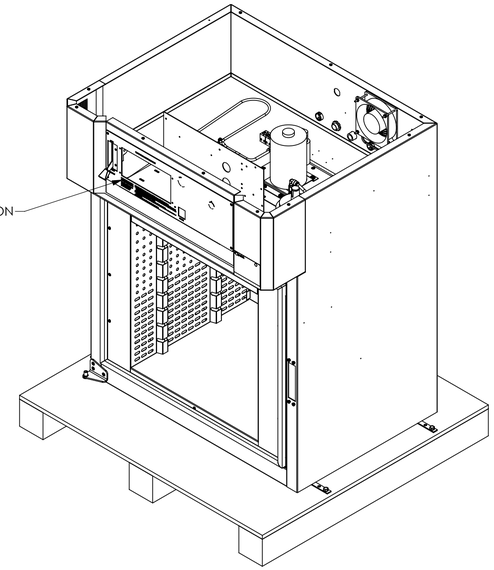
DETAIL B
SCALE 1 : 2

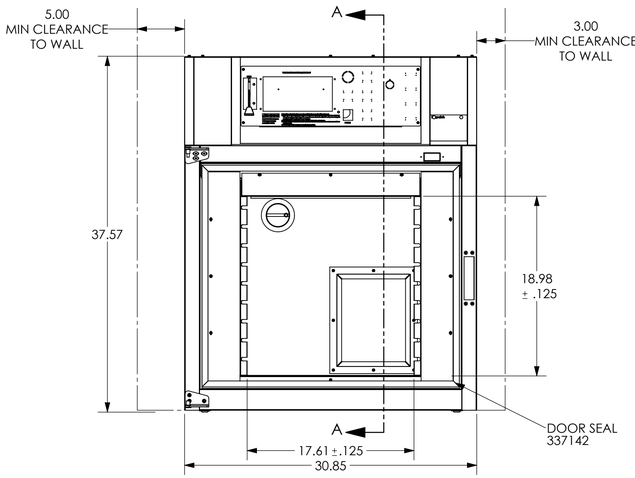
DESIGN SPECIFICATIONS

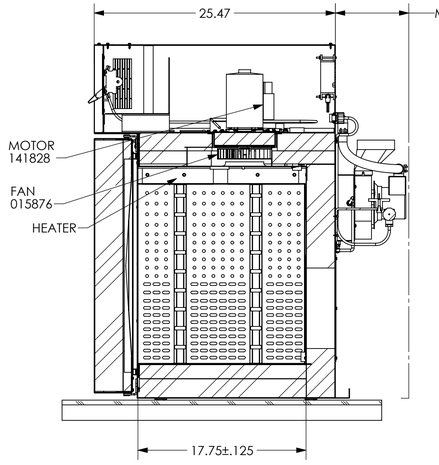
EXPLOSION VENTING AREA (sq. ft.)	
DOORS W/EXP. LATCHES	NONE
OPEN ENDS	NONE
EXPLOSION RELIEF PNLS	0.383 (SQ.FT)
INTERNAL VOL, (cu. ft.)	5.61
EXP. RELIEF RATIO	14.6
FRESH AIR ADMITTED 70° F.	13 (SCFM)
PURGE CYCLE	2.0(MIN)
VOLATILE	0.020 GPH TOLUENE OR EQUAL @350°FMAX (177°C)
FRESH AIR =	2.0" DIA
DUCT-CUTAWAY	0.74(SQ.IN) 24%
BLADE SIZE	(2) 11/16"DIA HOLES
EXHAUST =	4"DIA HALF-HOLE
DUCT-CUTAWAY	2.05(SQ.IN) 33%
BLADE SIZE	0.88" CUTAWAY

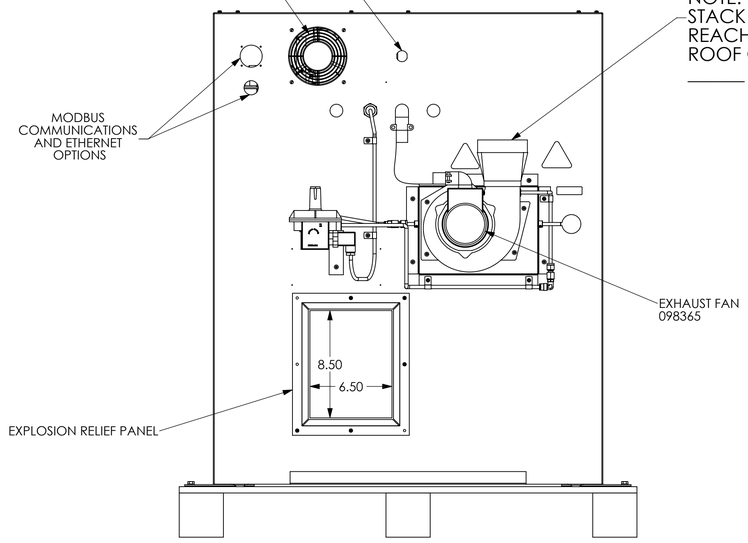
△C

△C

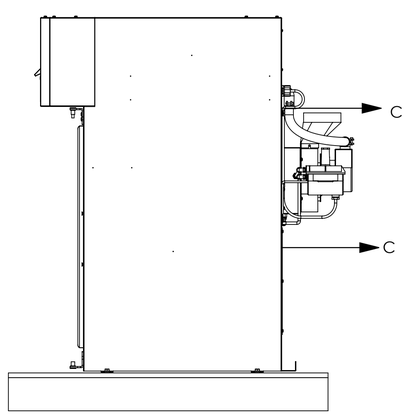


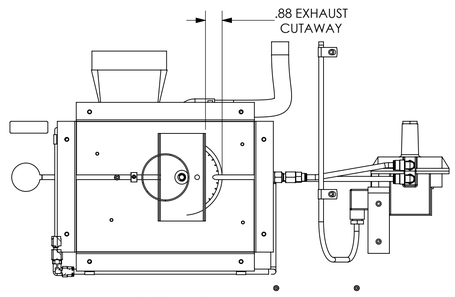






4.00"DIA EXHAUST OUTLET
(OPTIONAL 1.75 X 2.75 W/O ADPTR)
NOTE:
STACK TEMPERATURE COULD
REACH 500°F. DESIGN
ROOF OPENING ACCORDINGLY.
_____ STACK BY CUSTOMER.





SECTION C-C
SCALE 1 : 4

REV.	DATE	BY	DESCRIPTION	ECO #
C	3/16/2015	CTS	DAMPER CUTAWAY UPDATE	1500146
B	1/20/2015	GDY	UPDATE EXH CUTAWAY.	1400507

UNLESS OTHERWISE SPECIFIED DIMENSIONAL TOLERANCES

DECIMALS
.XX ± .030
.XXX ± .005

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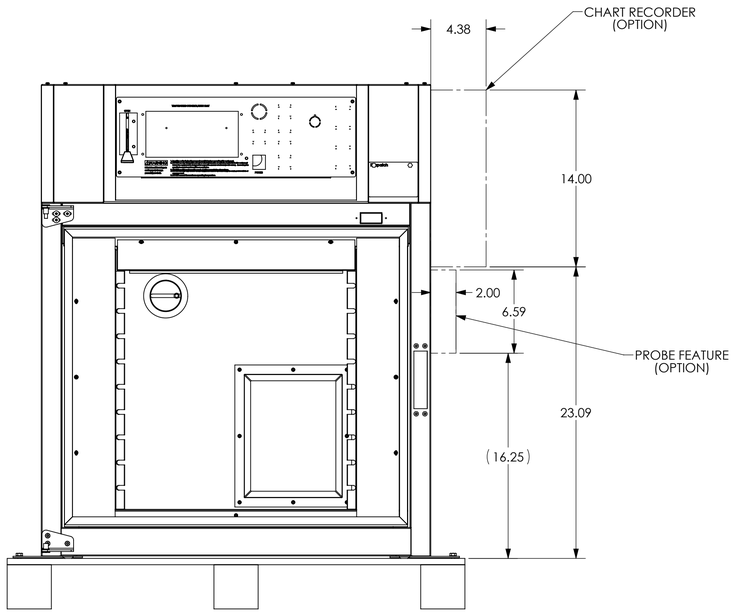
DR'N	MIB	SCALE	1:8
CK'D	GDY	DATE	12/08/2014
APP	GDY	SIMILAR TO	342810 SWKS

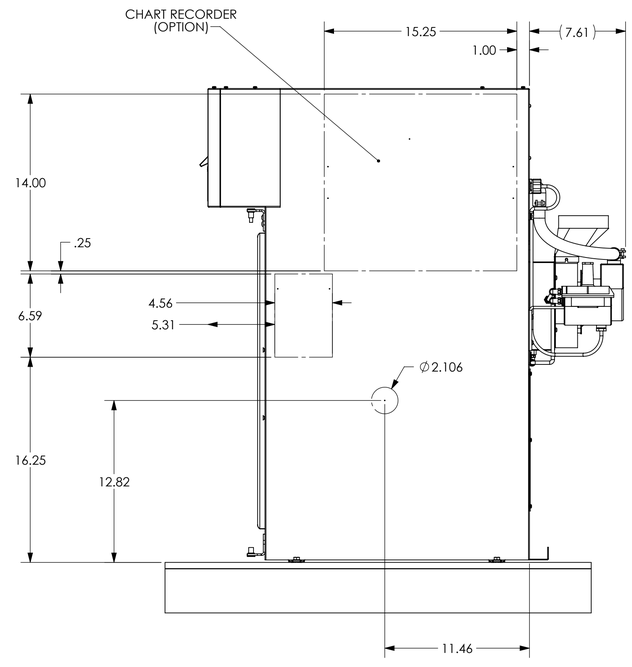
Despatch
MINNEAPOLIS,MN ● LAKEVILLE,MN

LFC1-38-8 SALES PROPOSAL (LAC1-38-8-CL-A)

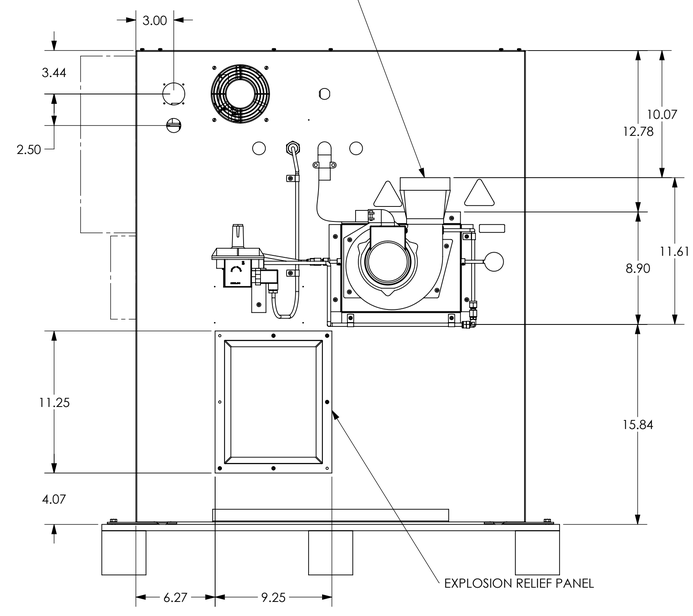
SIZE	CODE	PART NUMER	REV	SHT OF SHTS
D	— —	346076	C	1 of 2

OPTIONAL ASSEMBLIES





4.00"DIA EXHAUST OUTLET
(OPTIONAL 1.75 X 2.75 W/O ADPTR)
NOTE:
STACK TEMPERATURE COULD
REACH 500°F. DESIGN
ROOF OPENING ACCORDINGLY.
_____ STACK BY CUSTOMER.



DR'N	MIB	SCALE	1:8
CK'D	GDY	DATE	12/08/2014
APP	GDY	SIMILAR TO	342810 SWKS

Despatch
MINNEAPOLIS,MN ● LAKEVILLE,MN

LFC1-38-8 SALES PROPOSAL (LAC1-38-8-CL-A)

SIZE	CODE	PART NUMER	REV	SHT OF SHTS
D	—	346076	C	2 of 2

UNLESS OTHERWISE SPECIFIED DIMENSIONAL TOLERANCES
DECIMALS
.XX ± .030
.XXX ± .005

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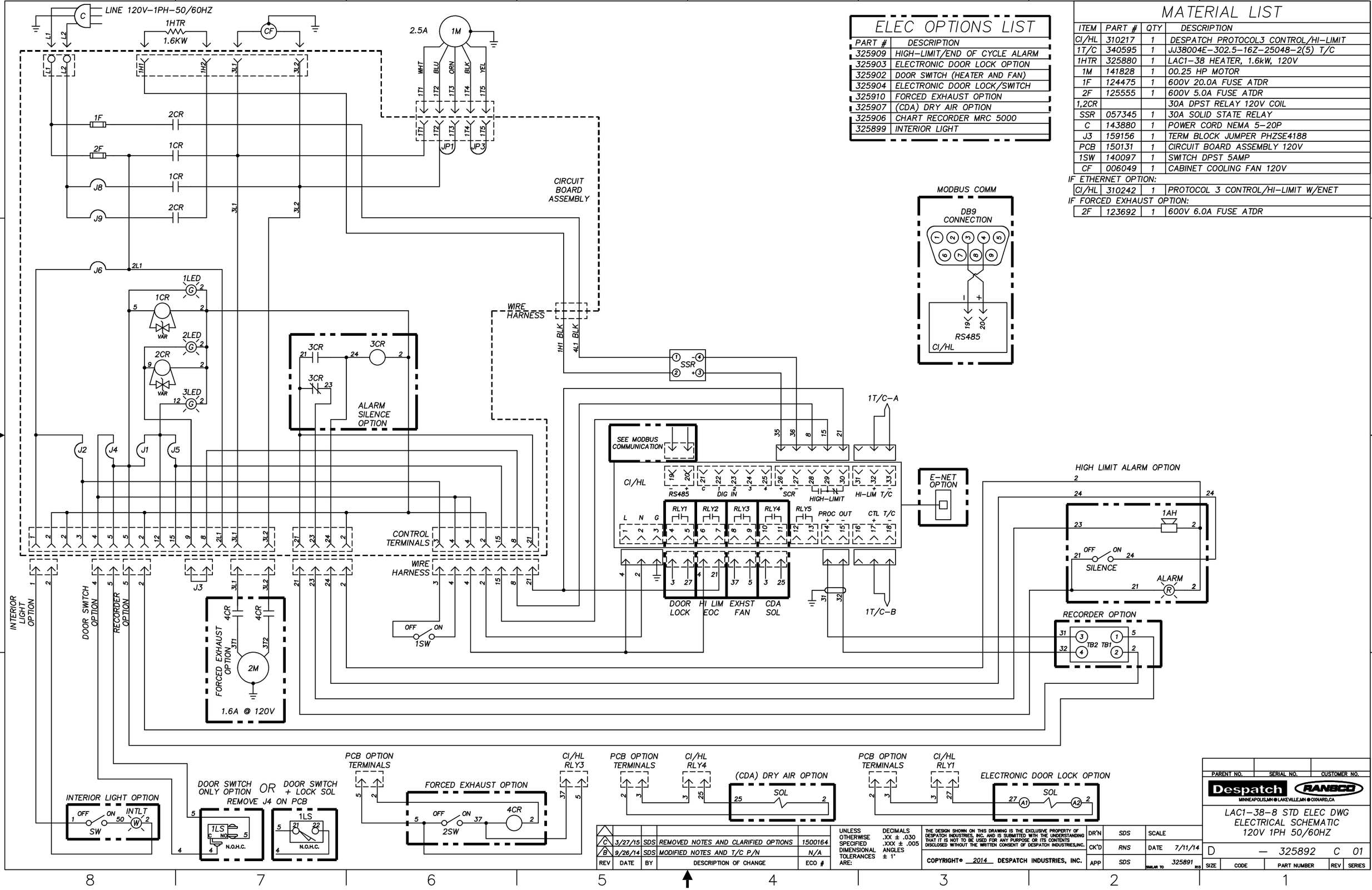
ELEC OPTIONS LIST

PART #	DESCRIPTION
325909	HIGH-LIMIT/END OF CYCLE ALARM
325903	ELECTRONIC DOOR LOCK OPTION
325902	DOOR SWITCH (HEATER AND FAN)
325904	ELECTRONIC DOOR LOCK/SWITCH
325910	FORCED EXHAUST OPTION
325907	(CDA) DRY AIR OPTION
325906	CHART RECORDER MRC 5000
325899	INTERIOR LIGHT

MATERIAL LIST

ITEM	PART #	QTY	DESCRIPTION
CI/HL	310217	1	DESPATCH PROTOCOL3 CONTROL/HI-LIMIT
1T/C	340595	1	JJ38004E-302.5-16Z-25048-2(5) T/C
1HTR	325880	1	LAC1-38 HEATER, 1.6kW, 120V
1M	141828	1	00.25 HP MOTOR
1F	124475	1	600V 20.0A FUSE ATDR
2F	125555	1	600V 5.0A FUSE ATDR
1,2CR			30A DPST RELAY 120V COIL
SSR	057345	1	30A SOLID STATE RELAY
C	143880	1	POWER CORD NEMA 5-20P
J3	159156	1	TERM BLOCK JUMPER PHZSE4188
PCB	150131	1	CIRCUIT BOARD ASSEMBLY 120V
1SW	140097	1	SWITCH DPST 5AMP
CF	006049	1	CABINET COOLING FAN 120V
IF ETHERNET OPTION:			
CI/HL	310242	1	PROTOCOL 3 CONTROL/HI-LIMIT W/ENET
IF FORCED EXHAUST OPTION:			
2F	123692	1	600V 6.0A FUSE ATDR



REV	DATE	BY	DESCRIPTION OF CHANGE	ECO #
C	3/27/15	SDS	REMOVED NOTES AND CLARIFIED OPTIONS	1500164
B	9/26/14	SDS	MODIFIED NOTES AND T/C P/N	N/A

UNLESS OTHERWISE SPECIFIED DIMENSIONAL TOLERANCES ARE: DECIMALS .XX ± .030 .XXX ± .005 ANGLES ± 1°

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DR'N	SDS	SCALE
CK'D	RNS	DATE 7/11/14
APP	SDS	SIMILAR TO 325891 RNS

PARENT NO. | SERIAL NO. | CUSTOMER NO.

Despatch RANSCO
MINNEAPOLIS,MN • LAKEVILLE,MN • OXNARD,CA

LAC1-38-8 STD ELEC DWG
ELECTRICAL SCHEMATIC
120V 1PH 50/60HZ

SIZE	CODE	PART NUMBER	REV	SERIES
D	—	325892	C	01

LINE 240V–1PH–50/60HZ
LINE 208V–1PH–50/60HZ

HEATER
SEE PG.2 FOR HEATER WIRING

1.4A @ 240V
1.6A @ 208V

ELEC OPTIONS LIST

PART #	DESCRIPTION
325896	HIGH–LIMIT/END OF CYCLE ALARM
325897	CE OPTION
325898	DISC SWITCH OPTION
325903	ELECTRONIC DOOR LOCK OPTION
325902	DOOR SWITCH (HEATER AND FAN)
325904	ELECTRONIC DOOR LOCK/SWITCH
325905	FORCED EXHAUST OPTION
325908	(CDA) DRY AIR OPTION
325906	CHART RECORDER MRC 5000
325899	INTERIOR LIGHT

MATERIAL LIST

ITEM	PART #	QTY	DESCRIPTION
CI/HL	310217	1	DESPATCH PROTOCOL3 CONTROL/HI–LIMIT
1T/C	340595	1	JJ38004E–302.5–16Z–25048–2(5) T/C
HTR	325881	1	LAC1–38 HEATER AY, 1.8kW 208V/240V
HTR	325882	1	LAC1–67 HEATER AY, 2.4kW 208V/240V
1M	141828	2	00.25 HP MOTOR
1,4F	VARIOUS	2	SEE PAGE 2
2,3F	VARIOUS	2	SEE PAGE 2
1,2CR			30A DPST RELAY 240V COIL
SSR	057345	1	30A SOLID STATE RELAY
J3	159156	1	TERM BLOCK JUMPER PHZSE4188
PCB	183949	1	CIRCUIT BOARD ASSEMBLY 240V
1SW	140097	1	SWITCH DPST 5AMP
CF	015229	1	CABINET COOLING FAN 240V
IF ETHERNET OPTION:			
CI/HL	310242	1	PROTOCOL 3 CONTROL/HI–LIMIT W/ENET

SEE PAGE 2 FOR FUSE CHART AND HEATER WIRING

CIRCUIT BOARD ASSEMBLY

DISCONNECT SWITCH OPTION
LINE 208/240V 1PH–50/60HZ

CE FILTER OPTION
CUSTOMER WIRING

MODBUS COMM
DB9 CONNECTION

WIRE HARNESS

ALARM SILENCE OPTION

SEE MODBUS COMMUNICATION

1T/C–A

E–NET OPTION

HIGH LIMIT ALARM OPTION

CONTROL TERMINALS

WIRE HARNESS

DOOR LOCK | HI LIM EOC | EXHST FAN | CDA SOL

1T/C–B

RECORDER OPTION

INTERIOR LIGHT OPTION

DOOR SWITCH OPTION

RECORDER OPTION

FORCED EXHAUST OPTION
0.8A @ 240V
0.9A @ 208V

DOOR SWITCH ONLY OPTION OR DOOR SWITCH + LOCK SOL
REMOVE J4 ON PCB

PCB OPTION TERMINALS | CI/HL RLY3 | FORCED EXHAUST OPTION

PCB OPTION TERMINALS | CI/HL RLY4 | (CDA) DRY AIR OPTION

PCB OPTION TERMINALS | CI/HL RLY1 | ELECTRONIC DOOR LOCK OPTION

REV	DATE	BY	DESCRIPTION OF CHANGE	ECO #
C	3/27/15	SDS	REMOVED NOTES AND CLARIFIED OPTIONS	1500164
B	9/26/14	SDS	MODIFIED NOTES AND T/C P/N	N/A

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DR'N	SDS
CK'D	RNS
APP	SDS
SCALE	
DATE	7/11/14
SIMILAR TO	325890 R15

PARENT NO. | SERIAL NO. | CUSTOMER NO.

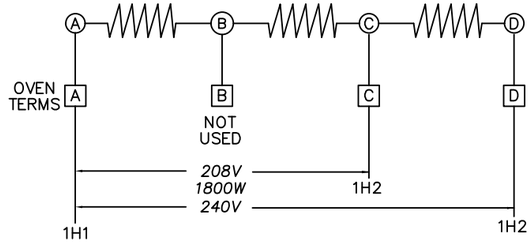
Despatch RANSCO
MINNEAPOLIS,MN • LAKEVILLE,MN • OXNARD,CA

LAC1–X–8 STD ELEC DWG
ELECTRICAL SCHEMATIC
208/240V 1PH 50/60HZ

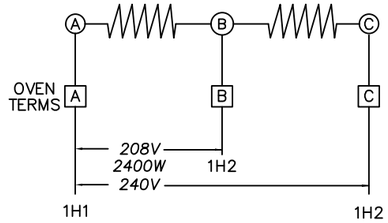
SIZE	CODE	PART NUMBER	REV	SERIES
D	—	325891	C	01

HEATER WIRING

LAC1–38 208V/240V
1.8kW 8.7A/7.5A

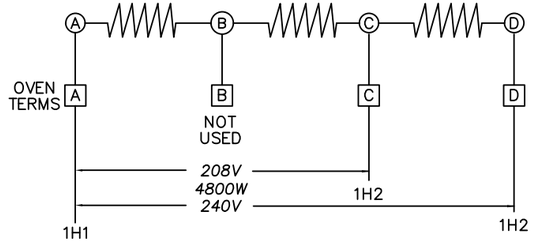


LAC1–67 208V/240V
2.4kW 11.5A/10.0A



LAC1–38 208V/240V
4.8kW 23.1A/20.0A

LAC1–67 208V/240V
4.8kW 23.1A/20.0A



FUSES

LAC1–X–8	STANDARD HEATER		UPGRD HTR	FORCED EXHST
240V MODELS	1F,4F	2F,3F	1F,4F	2F,3F
LAC1–38	10A–125556	3A–117172	25A–134923	4A–123306
LAC1–67	12A–125562	3A–117172	25A–134923	4A–123306
208V MODELS	1F,4F	2F,3F	1F,4F	2F,3F
LAC1–38	10A–125556	3A–117172	30A–124487	4A–123306
LAC1–67	15A–260076	3A–117172	30A–124487	4A–123306

REV	DATE	BY	DESCRIPTION OF CHANGE	ECO #
C	3/27/15	SDS	NO CHANGE THIS PAGE	1500164
B	9/26/14	SDS	UPDATED HEATER WIRING	N/A

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DR'N	SDS
CK'D	RNS
APP	SDS
SCALE	
DATE	7/11/14
SIMILAR TO	325890 R15

PARENT NO. | SERIAL NO. | CUSTOMER NO.

Despatch — MINNEAPOLIS,MN • LAKEVILLE,MN
RANDCO

LAC1–38 and LAC1–67
HEATER WIRING AND FUSING
208V/240V

SIZE	CODE	PART NUMBER	REV	SERIES
D	—	325891	C	02

LINE 240V–1PH–50/60HZ
LINE 208V–1PH–50/60HZ

HEATER
SEE PG.2 FOR HEATER WIRING

1.4A @ 240V
1.6A @ 208V

1M

2M

CIRCUIT BOARD ASSEMBLY

ELEC OPTIONS LIST

PART #	DESCRIPTION
325896	HIGH–LIMIT/END OF CYCLE ALARM
325897	CE OPTION
325898	DISC SWITCH OPTION
325903	ELECTRONIC DOOR LOCK OPTION
325902	DOOR SWITCH (HEATER AND FAN)
325904	ELECTRONIC DOOR LOCK/SWITCH
325905	FORCED EXHAUST OPTION
325908	(CDA) DRY AIR OPTION
325906	CHART RECORDER MRC 5000
325899	INTERIOR LIGHT

MATERIAL LIST

ITEM	PART #	QTY	DESCRIPTION
CI/HL	310217	1	DESPATCH PROTOCOL3 CONTROL/HI–LIMIT
1T/C	340595	1	JJ38004E–302.5–16Z–25048–2(5) T/C
HTR	325884	1	LAC2–12 HEATER AY, 4.8kW, 208V/240V
HTR	325883	1	LAC2–18 HEATER AY, 4.8kW, 208V/240V
1,2M	141828	2	00.25 HP MOTOR
1,4F	VARIOUS	2	SEE PAGE 2
2,3F	VARIOUS	2	SEE PAGE 2
1,2CR			30A DPST RELAY 240V COIL
SSR	057345	1	30A SOLID STATE RELAY
J3	159156	1	TERM BLOCK JUMPER PHZSE4188
PCB	183949	1	CIRCUIT BOARD ASSEMBLY 240V
1SW	140097	1	SWITCH DPST 5AMP
CF	015229	1	CABINET COOLING FAN 240V
IF ETHERNET OPTION:			
CI/HL	310242	1	PROTOCOL 3 CONTROL/HI–LIMIT W/ENET

SEE PAGE 2 FOR FUSE CHART AND HEATER WIRING

DISCONNECT SWITCH OPTION
LINE 208/240V 1PH–50/60HZ
PCB

CE FILTER OPTION
CUSTOMER WIRING
DISC SW
PE
FILTER
LINE
LOAD
TO CONTROL PANEL
PCB

MODBUS COMM
DB9 CONNECTION
RS485
CI/HL

WIRE HARNESS

SSR

ALARM SILENCE OPTION

SEE MODBUS COMMUNICATION

1T/C–A

CI/HL
RS485
DIG IN
SCR
HIGH–LIMIT
HI–LIM T/C
RLY1
RLY2
RLY3
RLY4
RLY5
PROC OUT
CTL T/C

E–NET OPTION

HIGH LIMIT ALARM OPTION
1AH
SILENCE
ALARM

RECORDER OPTION
TB2 TB1

CONTROL TERMINALS

WIRE HARNESS

DOOR LOCK
HI LIM EOC
EXHST FAN
CDA SOL

1T/C–B

INTERIOR LIGHT OPTION

DOOR SWITCH OPTION

RECORDER OPTION

J3

FORCED EXHAUST OPTION
3M
0.8A @ 240V
0.9A @ 208V

OFF ON
1SW

INTERIOR LIGHT OPTION
OFF ON INTLT
SW

DOOR SWITCH ONLY OPTION OR DOOR SWITCH + LOCK SOL
REMOVE J4 ON PCB
1LS
N.O.H.C.

PCB OPTION TERMINALS
CI/HL RLY3
FORCED EXHAUST OPTION
OFF ON
2SW

PCB OPTION TERMINALS
CI/HL RLY4
(CDA) DRY AIR OPTION
SOL

PCB OPTION TERMINALS
CI/HL RLY1
ELECTRONIC DOOR LOCK OPTION
SOL

REV	DATE	BY	DESCRIPTION OF CHANGE	ECO #
C	3/27/15	SDS	REMOVED NOTES AND CLARIFIED OPTIONS	1500164
B	9/26/14	SDS	MODIFIED NOTES AND T/C P/N	N/A

UNLESS OTHERWISE SPECIFIED DIMENSIONAL TOLERANCES ARE: DECIMALS .XX ± .030 .XXX ± .005 ANGLES ± 1°

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DR'N	SDS
CK'D	RNS
APP	SDS
SCALE	
DATE	7/11/14
SIMILAR TO	320166 RNS

PARENT NO. | SERIAL NO. | CUSTOMER NO.

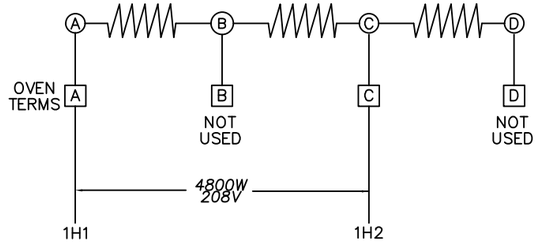
Despatch — RANSCO
MINNEAPOLIS,MN • LAKEVILLE,MN • OXNARD,CA

LAC2–X–8 STD ELEC DWG
ELECTRICAL SCHEMATIC
208/240V 1PH 50/60HZ

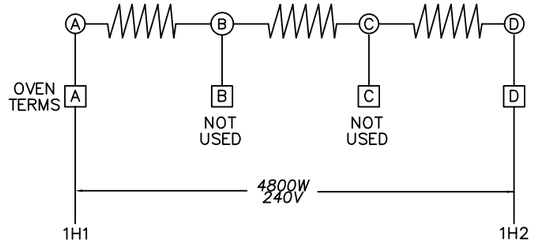
SIZE	CODE	PART NUMBER	REV	SERIES
D	—	325890	C	01

HEATER WIRING

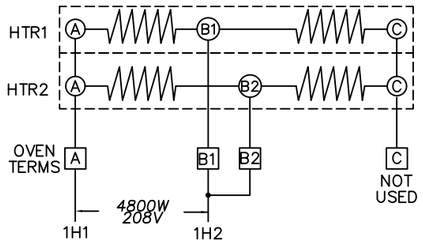
LAC2–12 208V–4.8kW
23.0A



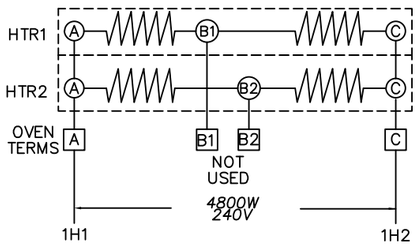
LAC2–12 240V–4.8kW
20.0A



LAC2–18 208V–4.8kW
23.0A



LAC2–18 240V–4.8kW
20.0A



FUSES

LAC2–X–8	STANDARD HEATER		FORCED EXHST
240V MODELS	1F,4F	2F,3F	2F,3F
LAC2–12	25A–134923	5A–125555	6A–123692
LAC2–18	25A–134923	5A–125555	6A–123692
208V MODELS	1F,4F	2F,3F	2F,3F
LAC2–12	30A–124487	5A–125555	6A–123692
LAC2–18	30A–124487	5A–125555	6A–123692

REV	DATE	BY	DESCRIPTION OF CHANGE	ECO #
C	3/27/15	SDS	NO CHANGE THIS PAGE	1500164
B	9/26/14	SDS	UPDATED HEATER WIRING	N/A

UNLESS OTHERWISE SPECIFIED DIMENSIONAL TOLERANCES ARE: DECIMALS .XX ± .030 .XXX ± .005 ANGLES ± 1°

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DR'N	SDS
CK'D	RNS
APP	SDS
SCALE	NONE
DATE	7/11/14

PARENT NO. | SERIAL NO. | CUSTOMER NO.

Despatch
MINNEAPOLIS,MN • LAKEVILLE,MN

LAC2–X–8 STD ELEC DWG
HEATER WIRING AND FUSING
208/240V 1PH 50/60HZ

SIZE	CODE	PART NUMBER	REV	SERIES
D	—	325890	C	02

LINE 240V–1PH–50/60HZ
LINE 208V–1PH–50/60HZ

HEATER
SEE PG.2 FOR HEATER WIRING

1.4A @ 240V
1.6A @ 208V

NOTE 1:
REMOVE J1 AND J5 FOR CLASS A OPERATION.

SEE PAGE 2 FOR ELECTRICAL DETAILS

SEE NOTE 1

CIRCUIT BOARD ASSEMBLY

WIRE HARNESS

CONTROL TERMINALS

ELEC OPTIONS LIST

PART #	DESCRIPTION
325896	HIGH–LIMIT/END OF CYCLE ALARM
325897	CE OPTION
325898	DISC SWITCH OPTION
325903	ELECTRONIC DOOR LOCK OPTION
325902	DOOR SWITCH (HEATER AND FAN)
325904	ELECTRONIC DOOR LOCK/SWITCH
325905	FORCED EXHAUST OPTION
325908	(CDA) DRY AIR OPTION
325906	CHART RECORDER MRC 5000
325899	INTERIOR LIGHT

MATERIAL LIST

ITEM	PART #	QTY	DESCRIPTION
CI/HL	310217	1	DESPATCH PROTOCOL3 CONTROL/HI–LIMIT
1T/C	340595	1	JJ38004E–302.5–16Z–25048–2(5) T/C
HTR	325884	1	LAC–8 HEATER AY, 4.8kW 208V/240V
1,2M	141828	2	00.25 HP MOTOR
3M	098365	2	FAN ASSEMBLY
1,4F	VARIOUS	2	SEE PAGE 2
2,3F	VARIOUS	2	SEE PAGE 2
1,2CR	ON PCB		30A DPST RELAY 240V COIL
TDR	141803	1	TIME DELAY RELAY
SSR	057345	1	30A SOLID STATE RELAY
J3	159156	1	TERM BLOCK JUMPER PHZSE4188
PCB	183949	1	CIRCUIT BOARD ASSEMBLY 240V
1SW	140097	1	SWITCH DPST 5AMP
CF	015229	1	CABINET COOLING FAN 240V
IF ETHERNET OPTION:			
CI/HL	310242	1	PROTOCOL 3 CONTROL/HI–LIMIT W/ENET

DISCONNECT SWITCH OPTION
LINE 208/240V 1PH–50/60HZ
PCB

CE FILTER OPTION
CUSTOMER WIRING
DISC SW
PE
FILTER
LINE
LOAD
TO CONTROL PANEL
L1 L2
PCB

MODBUS COMM
DB9 CONNECTION
RS485
CI/HL

CONNECT TO PCB
CLASS–A AIR FLOW SWITCHES
1AF 5A 2AF
RECIRC EXH
(SEE NOTE 4)

ALARM SILENCE OPTION

SEE MODBUS COMMUNICATION

1T/C–A

CI/HL
RS485 DIG IN SCR HIGH–LIMIT HI–LIM T/C
RLY1 RLY2 RLY3 RLY4 RLY5 PROC OUT CTL T/C
L N G

E–NET OPTION

DOOR LOCK | HI LIM EOC | EXHST FAN | CDA SOL

1T/C–B

HIGH LIMIT ALARM OPTION
1AH
OFF ON
SILENCE
ALARM

RECORDER OPTION
TB2 TB1

INTERIOR LIGHT OPTION
OFF ON INTLT
SW

DOOR SWITCH OPTION
CLASS–A OPTION
RECORDER OPTION

FORCED EXHAUST OPTION
3M
0.8A @ 240V
0.9A @ 208V

OFF ON
1SW

DOOR SWITCH ONLY OPTION OR DOOR SWITCH + LOCK SOL
REMOVE J4 ON PCB
1LS
N.O.H.C.

PCB OPTION TERMINALS
FORCED EXHAUST OPTION
OFF ON
2SW
4CR
CI/HL RLY3

PCB OPTION TERMINALS
CI/HL RLY4
(CDA) DRY AIR OPTION
SOL

PCB OPTION TERMINALS
CI/HL RLY1
ELECTRONIC DOOR LOCK OPTION
SOL

REV	DATE	BY	DESCRIPTION OF CHANGE	ECO #
B	9/26/14	SDS	MODIFIED NOTES AND CLARIFIED OPTIONS	1500164

UNLESS OTHERWISE SPECIFIED DIMENSIONAL TOLERANCES ARE: DECIMALS .XX ± .030 .XXX ± .005 ANGLES ± 1°

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DR'N SDS | CK'D | APP | SCALE | DATE 11/18/14 | SIMILAR TO 325886 R15

PARENT NO. | SERIAL NO. | CUSTOMER NO.

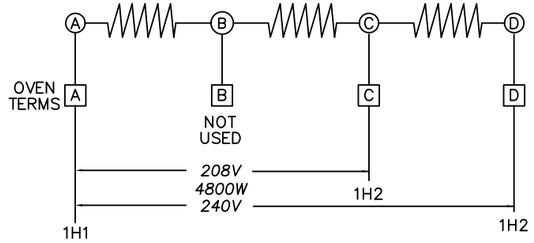
Despatch RANSCO
MINNEAPOLIS,MN ● LAKEVILLE,MN ● OXNARD,CA

LFC1–38–8 CL–A ELEC DWG
ELECTRICAL SCHEMATIC
208/240V 1PH 50/60HZ

SIZE	CODE	PART NUMBER	REV	SERIES
D	—	325871	B	01

HEATER WIRING

LAC1–38 208V/240V
4.8kW 23.1A/20.0A



FUSES

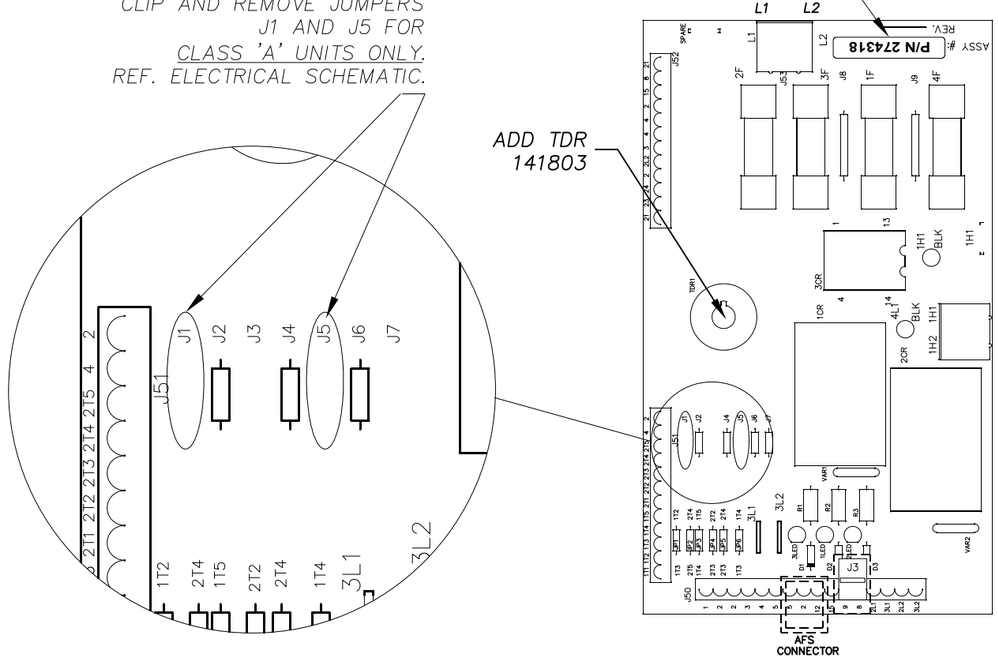
LAC1–38–8	CLASS–A	
240V MODELS	1F,4F	2F,3F
LAC1–38	25A–134923	4A–123306
208V MODELS	1F,4F	2F,3F
LAC1–38	30A–124487	4A–123306

PCB MODIFICATION

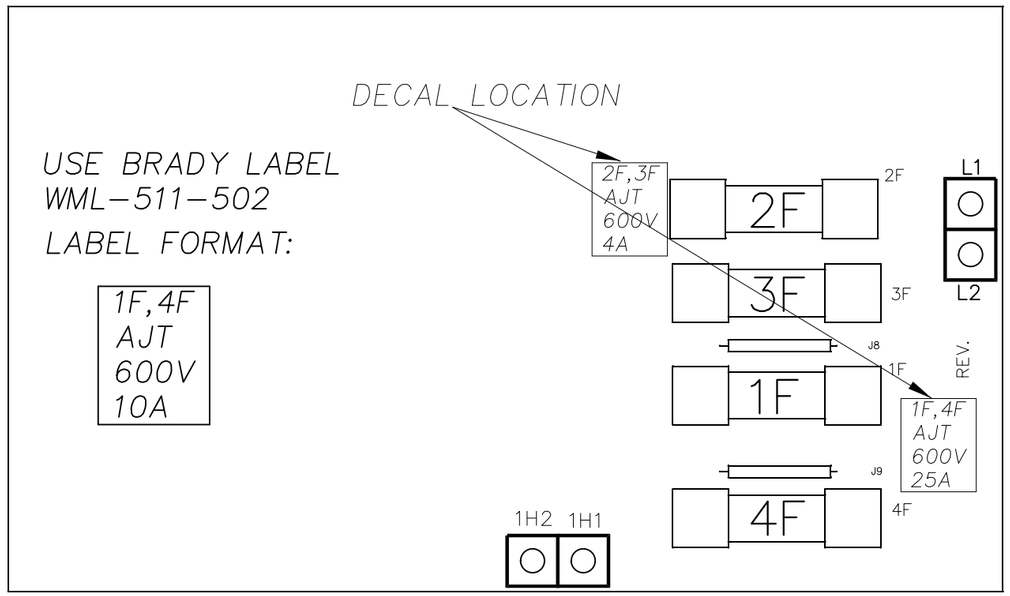
ADD DECAL P/N 274319
OVER EXISTING ASSY # AREA.

CLIP AND REMOVE JUMPERS
J1 AND J5 FOR
CLASS 'A' UNITS ONLY.
REF. ELECTRICAL SCHEMATIC.

ADD TDR
141803



FUSE LABELS



REV	DATE	BY	DESCRIPTION OF CHANGE	ECO #
B	9/26/14	SDS	MODIFIED NOTES AND CLARIFIED OPTIONS	1500164

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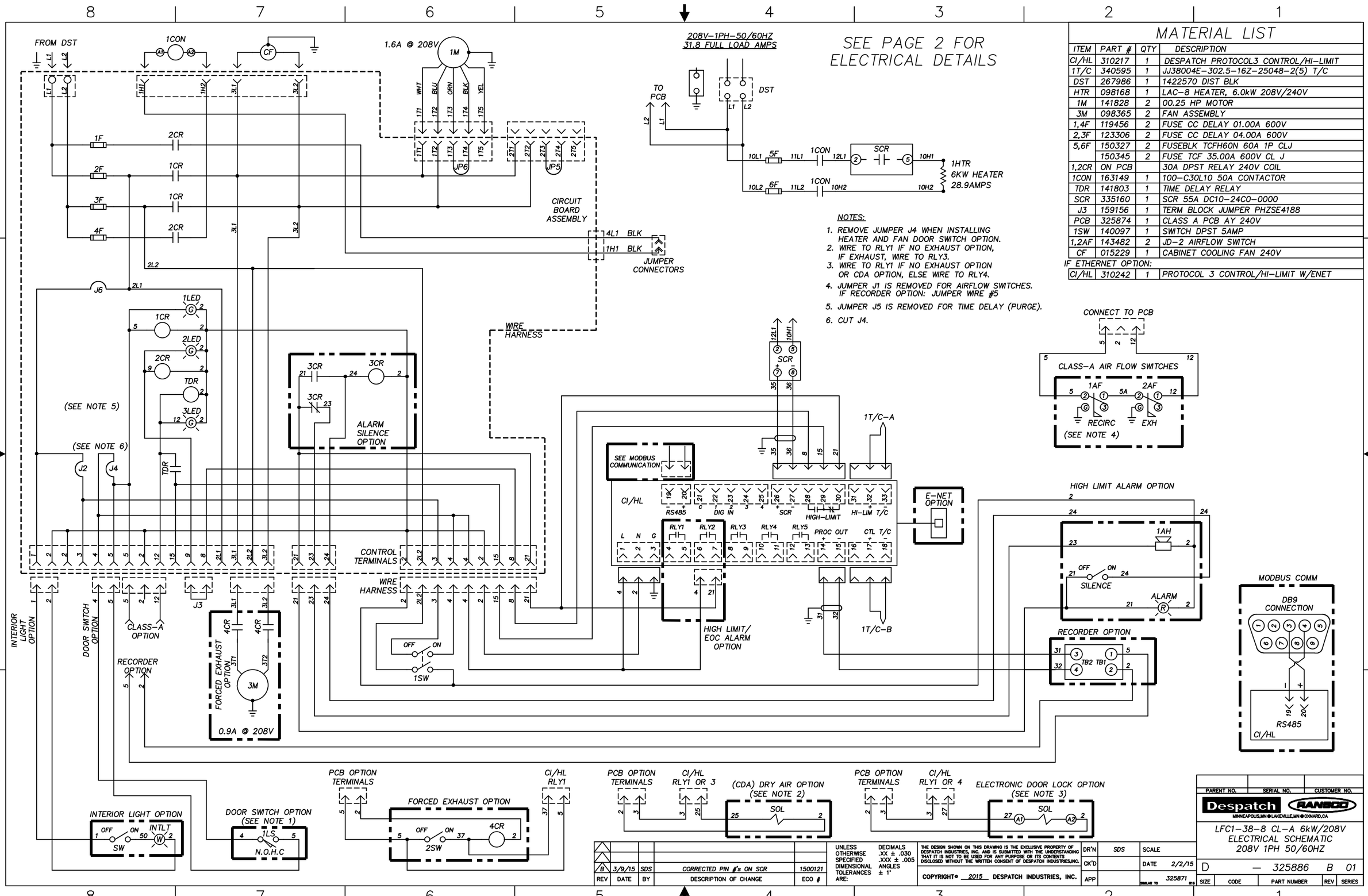
DR'N SDS | CK'D | APP | SCALE | DATE 11/18/14 | SIMILAR TO 325886 R15

PARENT NO. | SERIAL NO. | CUSTOMER NO.

Despatch RANSCO
MINNEAPOLIS,MN • LAKEVILLE,MN

LFC1–38–8 CL–A ELEC DWG
HEATER WIRING AND FUSING
208V/240V

SIZE	CODE	PART NUMBER	REV	SERIES
D	—	325871	B	02



NOTES:

1. REMOVE JUMPER J4 WHEN INSTALLING HEATER AND FAN DOOR SWITCH OPTION.
2. WIRE TO RLY1 IF NO EXHAUST OPTION, IF EXHAUST, WIRE TO RLY3.
3. WIRE TO RLY1 IF NO EXHAUST OPTION OR CDA OPTION, ELSE WIRE TO RLY4.
4. JUMPER J1 IS REMOVED FOR AIRFLOW SWITCHES. IF RECORDER OPTION: JUMPER WIRE #5
5. JUMPER J5 IS REMOVED FOR TIME DELAY (PURGE).
6. CUT J4.

MATERIAL LIST

ITEM	PART #	QTY	DESCRIPTION
CI/HL	310217	1	DESPATCH PROTOCOL3 CONTROL/HI–LIMIT
1T/C	340595	1	JJ38004E–302.5–16Z–25048–2(5) T/C
DST	267986	1	1422570 DIST BLK
HTR	098168	1	LAC–8 HEATER, 6.0kW 208V/240V
1M	141828	2	00.25 HP MOTOR
3M	098365	2	FAN ASSEMBLY
1,4F	119456	2	FUSE CC DELAY 01.00A 600V
2,3F	123306	2	FUSE CC DELAY 04.00A 600V
5,6F	150327	2	FUSEBLK TCFH60N 60A 1P CLJ
	150345	2	FUSE TCF 35.00A 600V CL J
1,2CR	ON PCB		30A DPST RELAY 240V COIL
1CON	163149	1	100–C30L10 50A CONTACTOR
TDR	141803	1	TIME DELAY RELAY
SCR	335160	1	SCR 55A DC10–24C0–0000
J3	159156	1	TERM BLOCK JUMPER PHZSE4188
PCB	325874	1	CLASS A PCB AY 240V
1SW	140097	1	SWITCH DPST 5AMP
1,2AF	143482	2	JD–2 AIRFLOW SWITCH
CF	015229	1	CABINET COOLING FAN 240V
IF ETHERNET OPTION:			
CI/HL	310242	1	PROTOCOL 3 CONTROL/HI–LIMIT W/ENET

REV	DATE	BY	DESCRIPTION OF CHANGE	ECO #
B	3/9/15	SDS	CORRECTED PIN #'s ON SCR	1500121

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DR'N SDS | CK'D | APP | SCALE | DATE 2/2/15 | SIMILAR TO 325871 R18

PARENT NO. | SERIAL NO. | CUSTOMER NO.

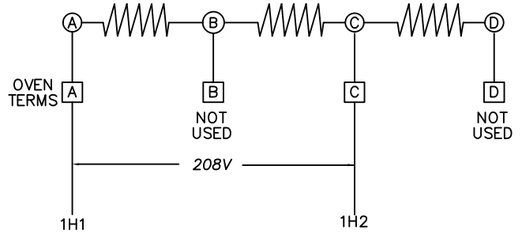
Despatch RANSCO MINNEAPOLIS,MN • LAKEVILLE,MN • OXNARD,CA

LFC1–38–8 CL–A 6kW/208V
ELECTRICAL SCHEMATIC
208V 1PH 50/60HZ

SIZE	CODE	PART NUMBER	REV	SERIES
D	—	325886	B	01

HEATER WIRING

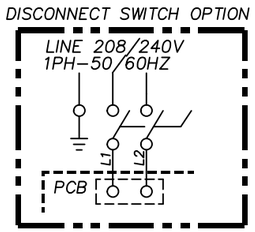
LAC1–38 208V
6.0kW 28.9A



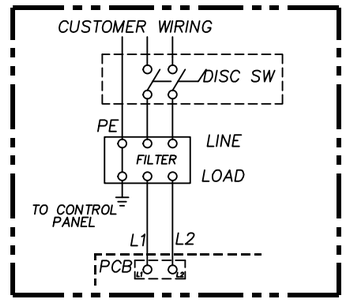
ELEC OPTIONS LIST

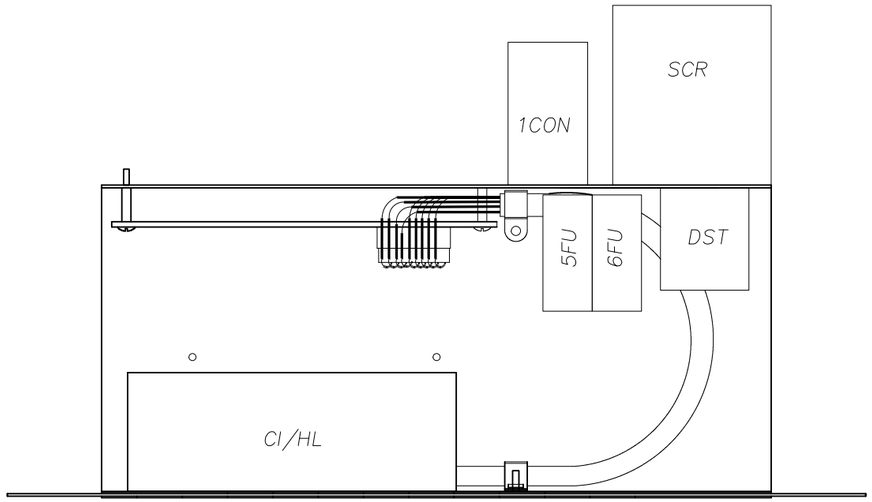
PART #	DESCRIPTION
325896	HIGH–LIMIT/END OF CYCLE ALARM
325897	CE OPTION
325898	DISC SWITCH OPTION
325903	ELECTRONIC DOOR LOCK OPTION
325902	DOOR SWITCH (HEATER AND FAN)
325904	ELECTRONIC DOOR LOCK/SWITCH
325905	FORCED EXHAUST OPTION
325908	(CDA) DRY AIR OPTION
325906	CHART RECORDER MRC 5000
325899	INTERIOR LIGHT

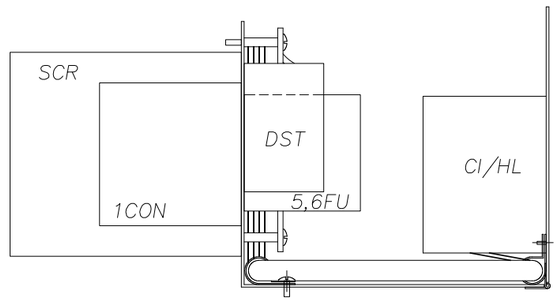
DISCONNECT SWITCH OPTION



CE FILTER OPTION







REV	DATE	BY	DESCRIPTION OF CHANGE	ECO #
B	3/9/15	SDS	NO CHANGE THIS PAGE	1500121

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DR'N SDS | CK'D | APP | SCALE | DATE 2/2/15 | SIMILAR TO 325871 RIS

PARENT NO. | SERIAL NO. | CUSTOMER NO.

Despatch RANSCO
MINNEAPOLIS,MN ● LAKEVILLE,MN

LFC1–38–8 CL–A 6kW/208V
HEATER WIRING & OPTIONS
208V

SIZE	CODE	PART NUMBER	REV	SERIES
D	—	325886	B	02