GENERAL NOTES

1. THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE SEVENTH EDITION (2020) & ASCE 7-16. THIS SYSTEM MAY BE USED WITHIN AND OUTSIDE OF HIGH VELOCITY HURRICANE ZONE. THIS DESIGN IS NOT INTENDED TO CERTIFY IMPACT RESISTANCE OF THE MECHANICAL UNIT CABINETRY.

2. NO 33-1 / 3 % INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM.

3. ALL DIMENSIONS AND THE MINIMUM WEIGHT OF MECHANICAL UNIT SHALL CONFORM TO LIMITATIONS STATED HEREIN. ALL MECHANICAL SPECIFICATIONS (CLEAR SPACE, TONNAGE, ETC.) SHALL BE AS PER MANUFACTURER RECOMMENDTIONS AND ARE THE EXPRESS RESPONSIBILTIY OF THE CONTRACTOR.

4. ALL CONCRETE SPECIFIED HEREIN IS NOT PART OF THIS CERTIFICATION. AS A MINIMUM, ALL CONCRETE SHALL BE STRUCTURAL CONCRETE 4" MIN. THICK AND SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI, UNLESS NOTED OTHERWISE.

5. THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.

6. ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS.

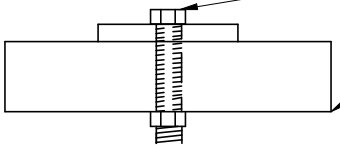
7. THE ADEQUACY OF ANY EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS SHALL BE VERIFIED BY THE ONSITE DESIGN PROFESSIONAL AND IS NOT INCLUDED IN THIS CERTIFICATION. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.

8. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.

9. WATER-TIGHTNESS OF EXISTING HOST SUBSTRATE SHALL BE THE FULL RESPONSIBILITY OF THE INSTALLING CONTRACTOR. CONTRACTOR SHALL ENSURE THAT ANY REMOVED OR ALTERED WATERPROOFING MEMBRANE IS RESTORED AFTER FABRICATION AND INSTALLATION OF STRUCTURE PROPOSED HEREIN. THIS ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY WATERPROOFING OR LEAKAGE ISSUES WHICH MAY OCCUR AS WATER-TIGHTNESS SHALL BE THE FULL RESPONSIBILITY OF THE INSTALLING CONTRACTOR.

ANCHORING DETAILS

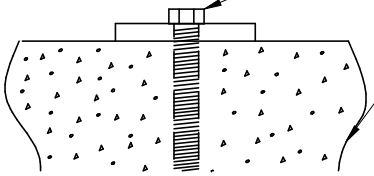
WOOD FRAMING



ASTM F3125 1/2" DIA. BOLT WITH MATCHING NUTS/WASHERS ATTACHEDTO MIN. 1 1/2" THICK WOOD FRAMING - SEE DRAWING SET FOR ANCHOR LOCATIONS

WOOD FRAMING

CONCRETE

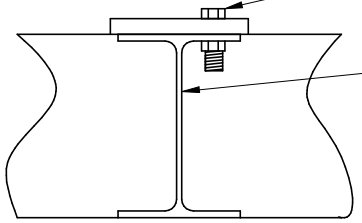


HILTI 1/2" DIA. KWIK HUS-EZ ANCHOR WITH 0'-3" MIN. EMBEDED INTO 3000 PSI CONCRETE WITH MIN. 6" EDGE DISTANCE - SEE DRAWING SET FOR ANCHOR LOCATIONS

CONCRETE

Maximum velocity = 175 mph
Exposure C
Maximum roof height = 30 feet
Maximum pressures:
Lateral = 88 PSF
Vertical = 70 PSF

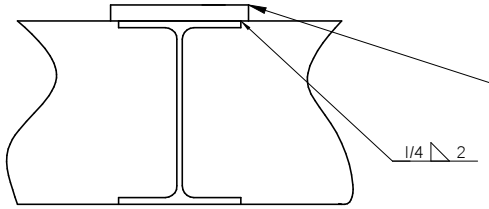
STEEL WITH FASTENER



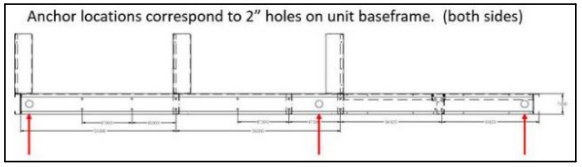
ASTM F3125 1/2" DIA. BOLT WITH MATCHING NUTS/WASHERS ATTACHED TO MIN. 3/16" THICK A36 STEEL - SEE DRAWING SET FOR ANCHOR LOCATIONS

3/16" MIN. A36 STEEL

STEEL SEAM WELD



STEEL SEAM WELD
- SEE DRAWING SET FOR ANCHOR LOCATIONS



USE THESE INSTRUCTIONS FOR ALL SHEETS RELATED TO C-SERIES

RONALD A. CRIBBS
LICENSE
No 61034
STATE OF FLORIDA
PROFESSIONAL ENGINEER

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

SHEET 1 OF 1

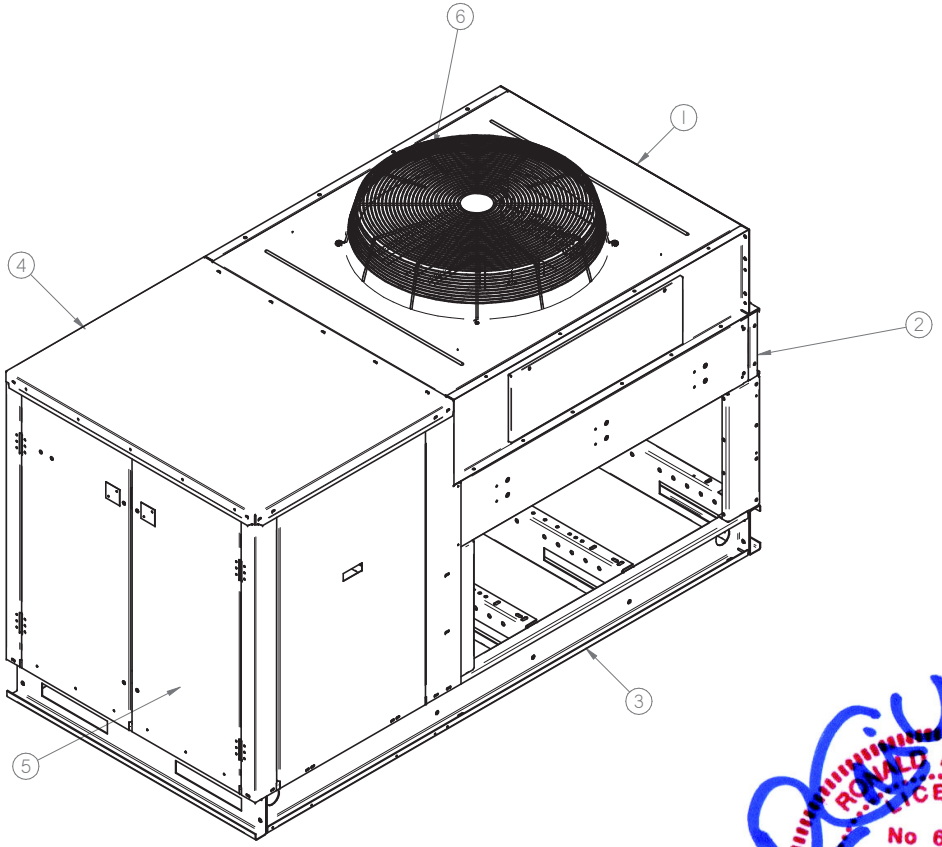
HUSSMANN®

2020 FLORIDA BUILDING CODE C-SERIES

P/N C-SERIES REV E

SWN 11 SHEET SIZE D

REVISION HISTORY						
REV	ECN	DATE	REVISION DESCRIPTION	REV BY	CHKD BY	APPR BY
A		1/15/21	INITIAL RELEASED	JS	JS	JS



NUMBER	ITEM	DESCRIPTION	QTY
1	LEV2SLDH10	HOUSING 1WIDE 1FAN	1
2	LEV2-C1W1F	LEV2 COIL 1WIDE 1FAN	1
3	SDBSXBASE0	Base; S Semi-Herm 1 Fans	1
4	SDBSXHSG1X	HOUSING;S SEMI-HERM 1 FAN WIDE	1
5	SDP CTRLBOX 7IN	CNTRLBOX; 7 INCH DEEP SLD	1
6	E11088300I	MOTOR ASSY SLD 1.5HP 1140 230/	1

RONALD A. CRIBBS LICENSE No 61034 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

SHEET 1 OF 1

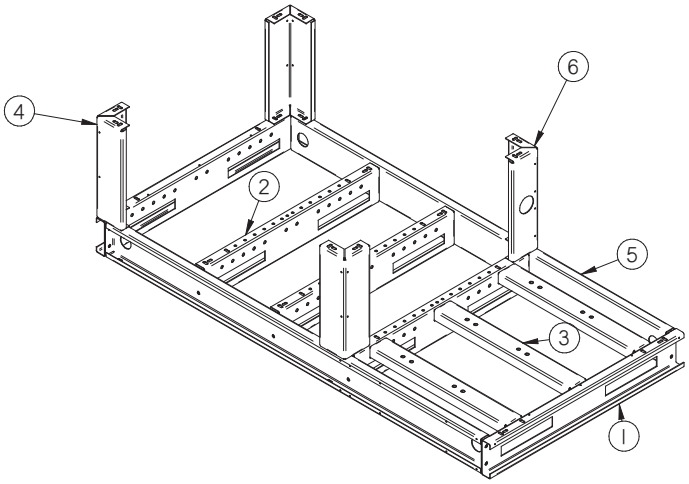
HUSSMANN®

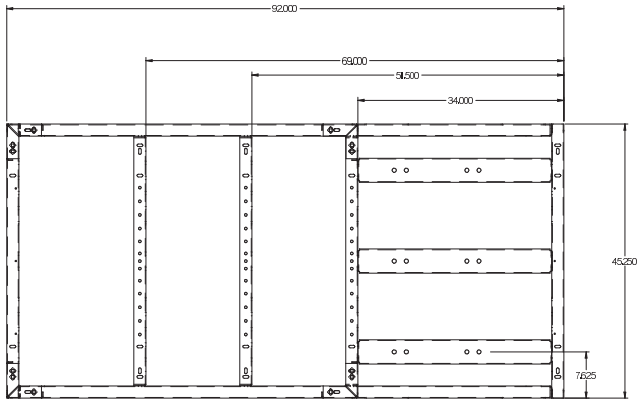
CS-11

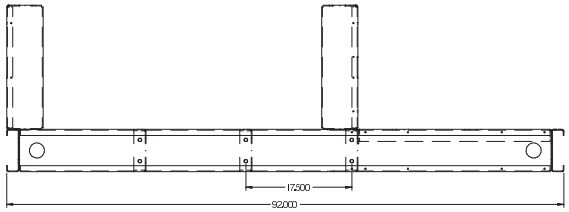
P/N CS-11 REV A

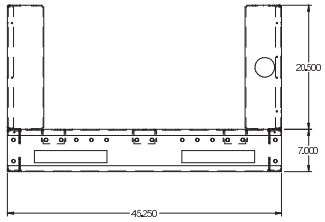
GDF 3.0 SHEET SIZE D

Item Number	Document Number	Title	Material	Quantity
1	900900	SLD CHNL END (45 1/4")	CU15 MIN. G90U GALV STEEL	2
2	901100	SLD CHNL XBRACE (41 1/4")	CU15 MIN. G90U GALV STEEL	3
3	901300	SLD CHNL COMPR (32")	CU15 MIN. G90U GALV STEEL	3
4	901700	SLD LEG (20 1/2")	CU15 MIN. G90U GALV STEEL	3
5	907000	SLD CHNL LATL (88")	CU15 MIN. G90U GALV STEEL	2
6	912800	SLD LEG w/ hole	CU15 MIN. G90U GALV STEEL	1



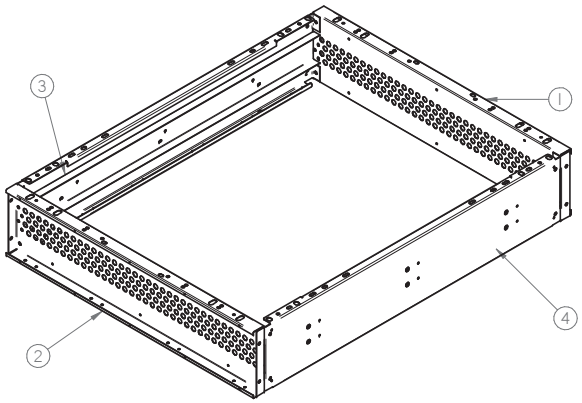






RONALD A. CRIBBS
LICENSE
No 61034
STATE OF FLORIDA
PROFESSIONAL ENGINEER

					KRACK CORPORATION
					MATERIAL:
					DESCRIPTION: Drawing Assy S DBSX BASE 11
1		RELEASED	G.B.	3/13/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"			THIRD ANGLE PROJECTION		SCALE: / SHEET# / DRAWN BY: G.B. / DATE: 03/13/02 / PART NO: 907200



NUMBER	ITEM	DESCRIPTION	QTY
1	E203413	LEV2 ENDPLT 0.375" 36X4 LH RB	1
2	E203414	LEV2 ENDPLT 0.375" 36X4 RH HDR	1
3	E203419	CHANNEL C 54" IF LEV2	2
4	E203417	LEV2 COIL BAFFLE	2
6*	E150966	LEV TRUNCATE TBE SHT 0.375" 4R	10
7*	SSTU13	TUBE SS304 3/80Dx57.00x.012W	8
8*	T06C140620	TUBE CU .375; .014 X 62.000 RI	136 (31.5 LB)
9*	FA1003604A05	Fin 1038-36-4 Al-.005NS	54 IN (45 LB)

NUMBERS: 6 - 7 - 8 - 9

ITEMS ARE INSTALLED INSIDE OF THE C CHANNEL (NUMBER-3)

RONALD A. CRIBBS
LICENSE
No 61034
STATE OF FLORIDA
PROFESSIONAL ENGINEER

NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

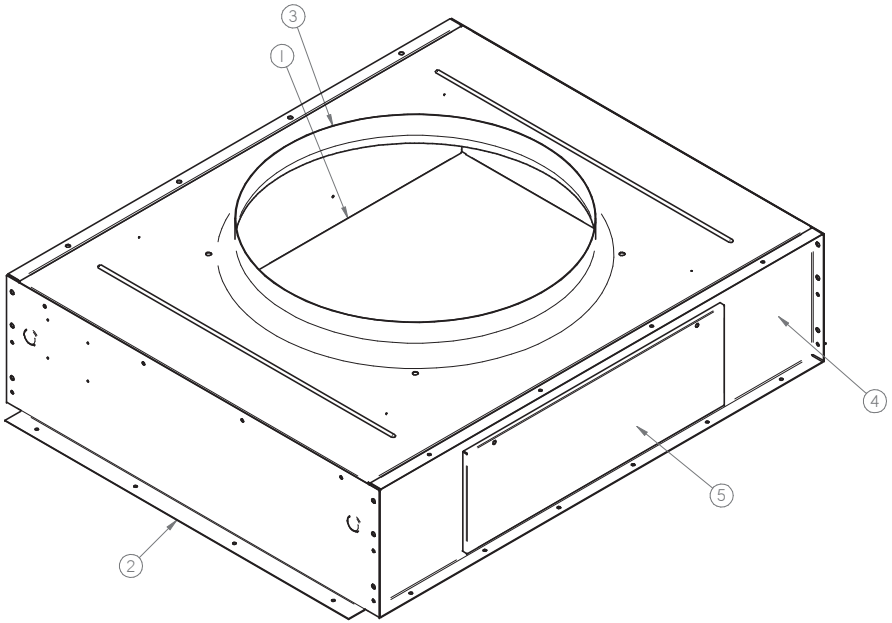
SHEET 1 OF 1

HUSSMANN®

LEV2 COIL 1WIDE 2FAN

P/N LEV2-C1W2F REV A

GDF 3.0 SHEET SIZE D



NUMBER	ITEM	DESCRIPTION	QTY
1	E203581	PLENUM SIDE PANEL	1
2	E203433	PLENUM END/CENTER 1W LEV2	2
3	E87128P	FAN PANEL 30" LEV2 1W & 2W NAR	1
4	E203436	PLENUM SIDE PANEL W/DOOR	1
5	E86121	ACCESS DOOR	1

RONALD A. CRIBBS LICENSE No 61034 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOTES:
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3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

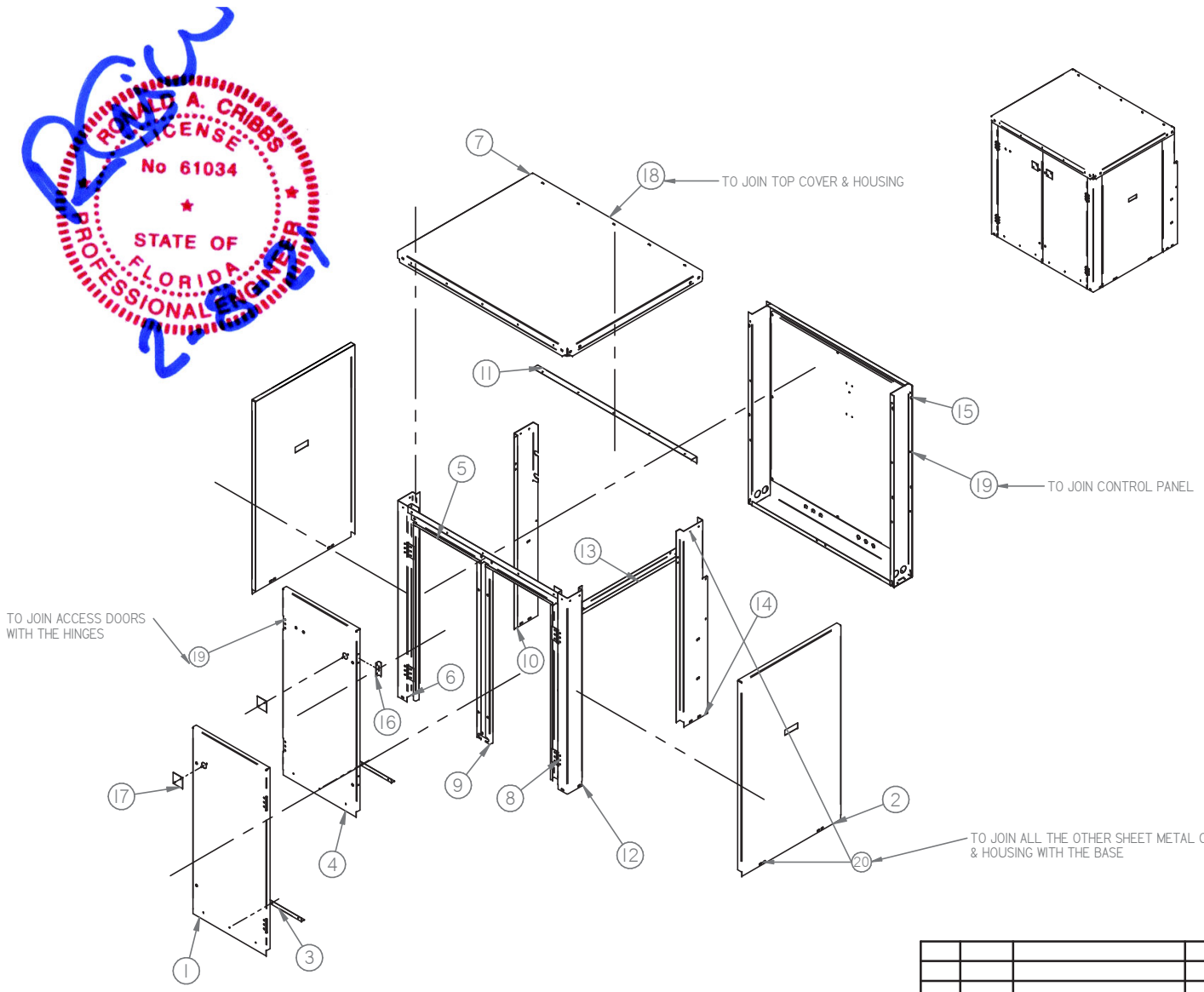
SHEET 1 OF 1

HUSSMANN®

HOUSING 1 WIDE 1 FAN

P/N LEV2SLDH10 REV A

GDF 3.0 SHEET SIZE D



Item	Part #	Title	Material	QTY.
1	901900	SLD DOOR RH	SG90U ASTM A653 (12GA .1084 NOM)	1
10	902801	SLD PNL POST INTR LH	SG90U ASTM A653 (12GA .1084 NOM)	1
11	905600	SLD PNL TOP SPRT (1 WIDE)	SG90U ASTM A653 (12GA .1084 NOM)	1
12	904702	SLD PNL POST CORNER FR RH	SG90U ASTM A653 (12GA .1084 NOM)	1
13	904001	SLD CHNL (MTR WIRE)	SG90U ASTM A653 (12GA .1084 NOM)	1
14	902802	SLD PNL POST INTR RH	SG90U ASTM A653 (12GA .1084 NOM)	1
15	E152226	SDP CTRLBOX 5 IN ASSY		1
16	904800	SLD DOOR SFTY INTLK	SG90U ASTM A653 (12GA .1084 NOM)	1
17	905500	SLD DOOR COVER PLATE	SG90U ASTM A653 (12GA .1084 NOM)	2
18	E312774	10-16X3/4"TEK2 HXWSHR HD SD SW	SEE SPEC	14
19	05454	RIVET-0.25 DIA X 0.125-0.375 GRIP	SEE SPEC	14
2	903501	SLD PNL ACCESS	SG90U ASTM A653 (12GA .1084 NOM)	2
20	05385	#14X3/4 TYPE AB HHSMS ZP SCREW	SEE SPEC	38
3	902400	SLD CTRL PNL DOOR SPRT	SG90U ASTM A653 (12GA .1084 NOM)	2
4	901800	SLD DOOR LH	SG90U ASTM A653 (12GA .1084 NOM)	1
5	904600	SLD PNL POST INTR OF CTR PNL	SG90U ASTM A653 (12GA .1084 NOM)	1
6	904701	SLD PNL POST CORNER FR LH	SG90U ASTM A653 (12GA .1084 NOM)	1
7	904300	SLD PNL TOP	SG90U ASTM A653 (12GA .1084 NOM)	1
8	E306001	SLD HINGE 3X3" SS ASSY		4
9	903400	SLD DOOR POST (CNTR)	SG90U ASTM A653 (12GA .1084 NOM)	1

REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:
0		Released	G.B.	7/12/02

TOLERANCE: UNLESS OTHERWISE SPECIFIED
ANGULAR: +/- 0.5°
DECIMAL: +/- 0.031"

THIRD ANGLE PROJECTION

KRACK CORPORATION

MATERIAL:

DESCRIPTION: Drawing Assy S DBSX HSG 1X CSD-13 (12GA)

MODEL: SLD

JOB NO:

SCALE:

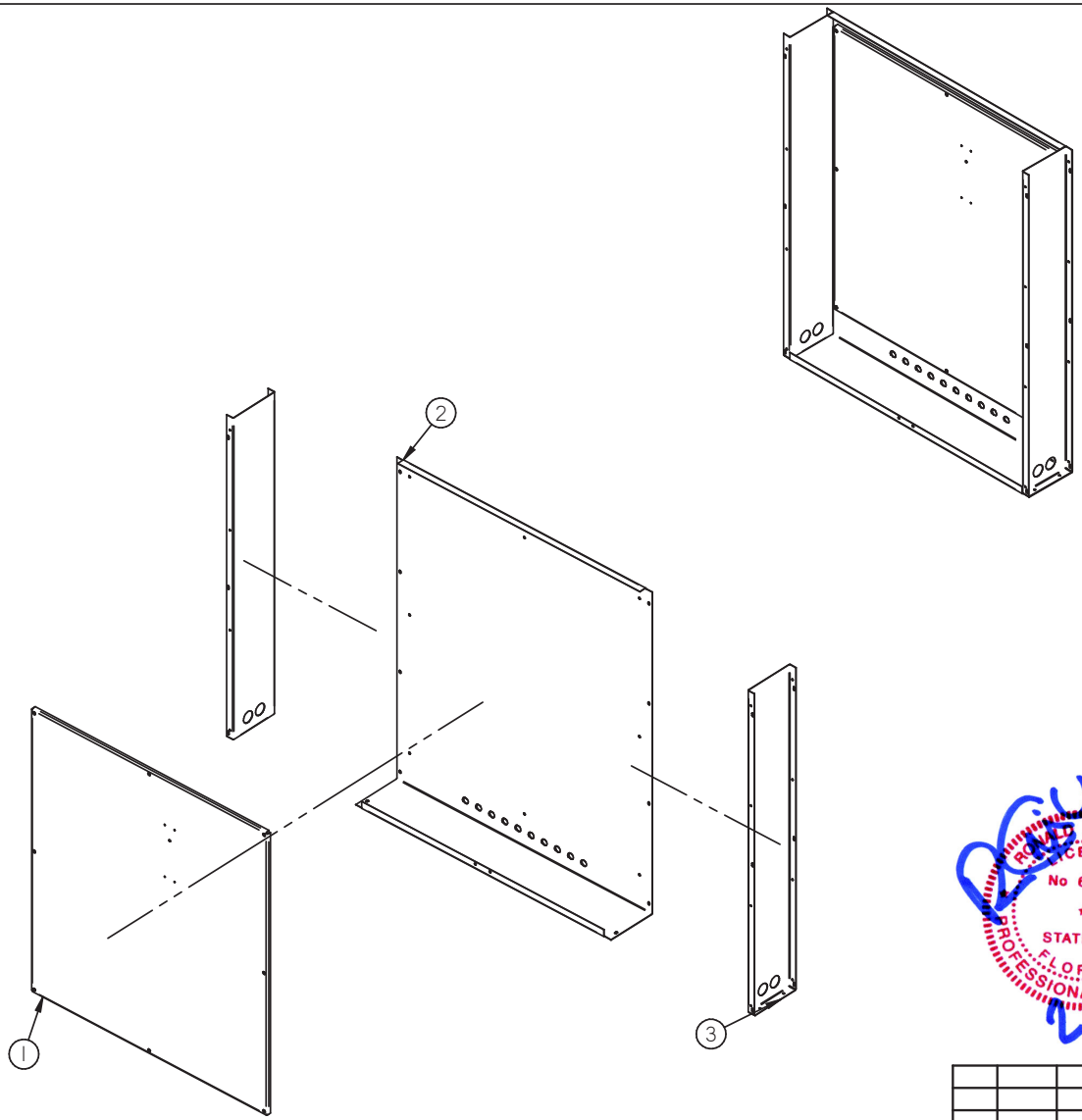
SHEET#

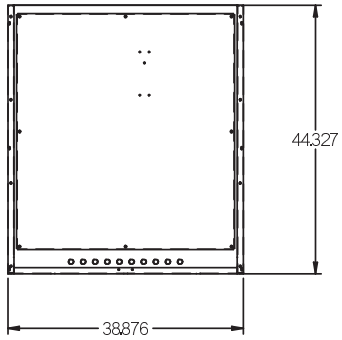
DRAWN BY: G.B.

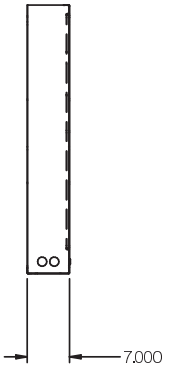
DATE: 7/12/02

PART NO: HIGHWIND

Item	Part #	Title	Material	QTY.
1	902100	SLD CTRL SUB PNL	0.085 MIN. G90U GALV STEEL	1
2	912000	SLD CTRL PNL BOX (DEEP)	0.048 MIN. G90U GALV STEEL	1
3	911900	SLD CTRL PNL BOX SIDE	0.048 MIN. G90U GALV STEEL	2

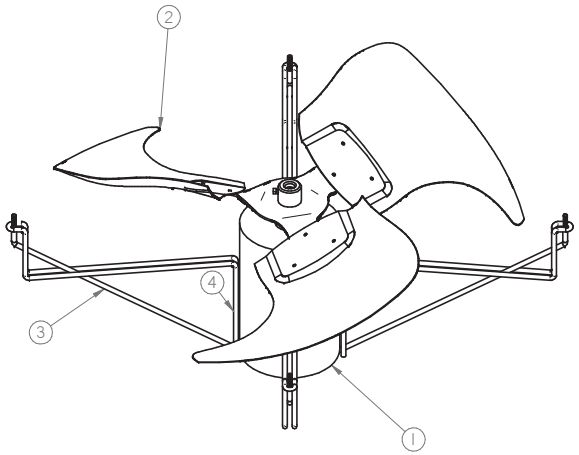




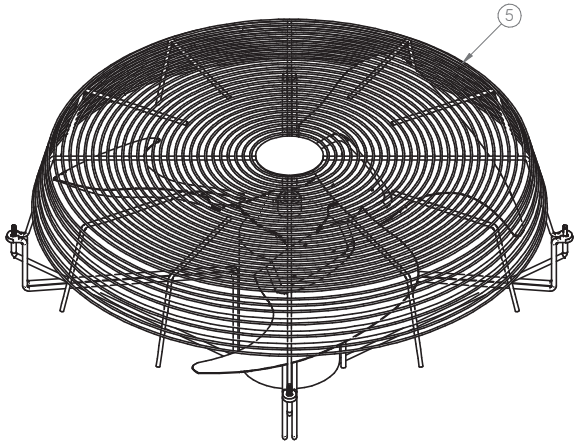


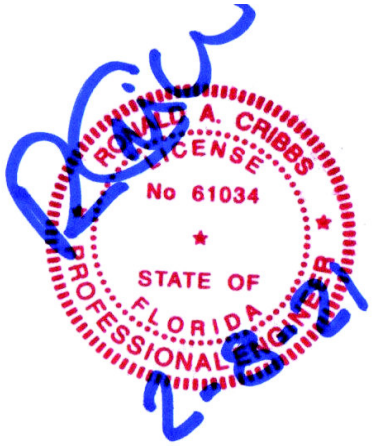
RONALD A. CRIBBS LICENSE No 61034 STATE OF FLORIDA PROFESSIONAL ENGINEER

					KRACK CORPORATION
					MATERIAL:
					DESCRIPTION: SDP CTRLBOX 7IN
0		RELEASED	G.B.	7/15/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"			THIRD ANGLE PROJECTION		SCALE: / SHEET# / PART NO: E152227
					DRAWN BY: G.B. DATE: 7/15/02



NUMBER	ITEM	DESCRIPTION	QTY
1	E205492IN	MOTOR 1.5HP 230/460/60/3/1140	1
2	E205493	30 DIA FAN 24 DEG CW 5/8 BORE	1
3	E280793	MOTOR BRACKET	2
4	80034	MOTOR RING 56 FRAME LEV-SM	1
5	E280792	FAN GUARD 30" LEV-SM-PC	1





NOTES:
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   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL ⟨K⟩
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

SHEET 1 OF 1

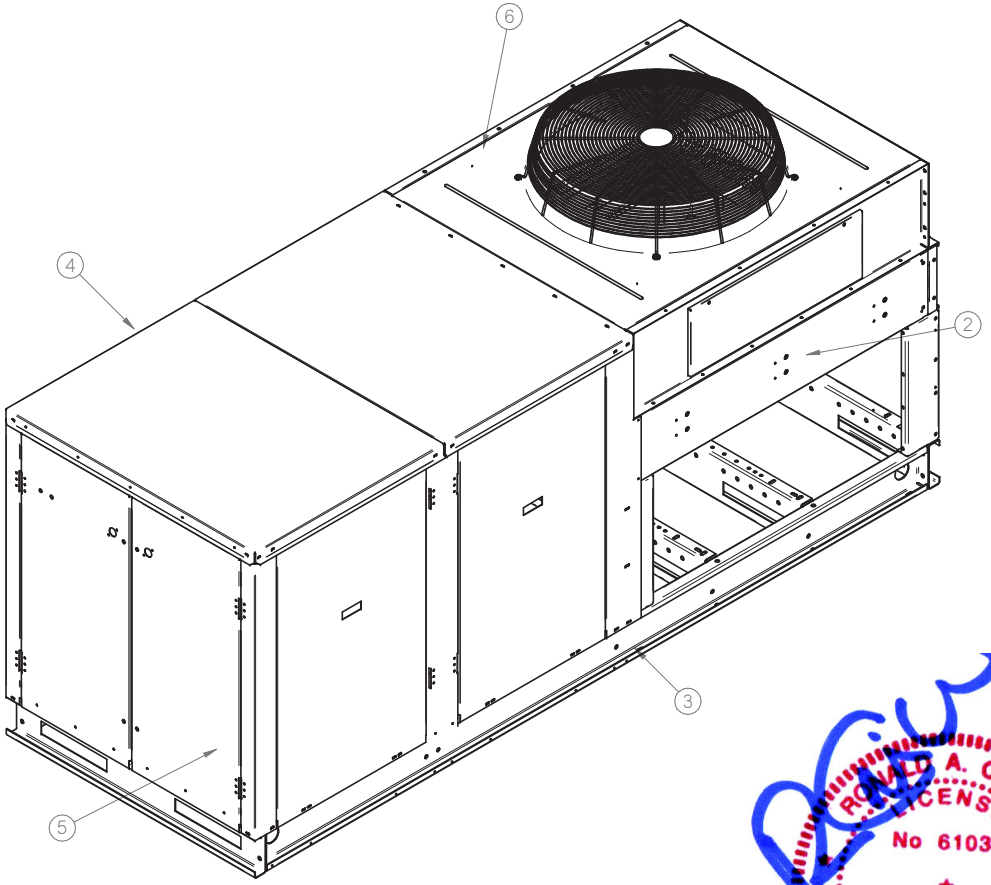
HUSSMANN®

MOTOR ASSY SLD 1.5HP 1140 230/

P/N E110883001 REV A

GDF 3.0 SHEET SIZE D

REVISION HISTORY						
REV	ECN	DATE	REVISION DESCRIPTION	REV BY	CHKD BY	APPR BY
A		1/15/21	INITIAL RELEASED	JS	JS	JS



NUMBER	ITEM	DESCRIPTION	QTY
1	LEV2SLDH10	HOUSING 1WIDE 1FAN	1
2	LEV2-C1W1F	LEV2 COIL 1WIDE 1FAN	1
3	DPDBSXBAS0	Base; D Semi-Herm 1 Fans	1
4	DPDBSXHSG1	HOUSING; D SEMI-HERM 1 FAN WIDE	1
5	SDP CTRLBOX 7IN	CNTRLBOX; 7 INCH DEEP SLD	1
6	E11088300 1	MOTOR ASSY SLD 1.5HP 1140 230/	1

RONALD A. CRIBBS
LICENSE
No 61034
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

NOTES:
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2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

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THIRD ANGLE PROJECTION

SHEET 1 OF 1

HUSSMANN®

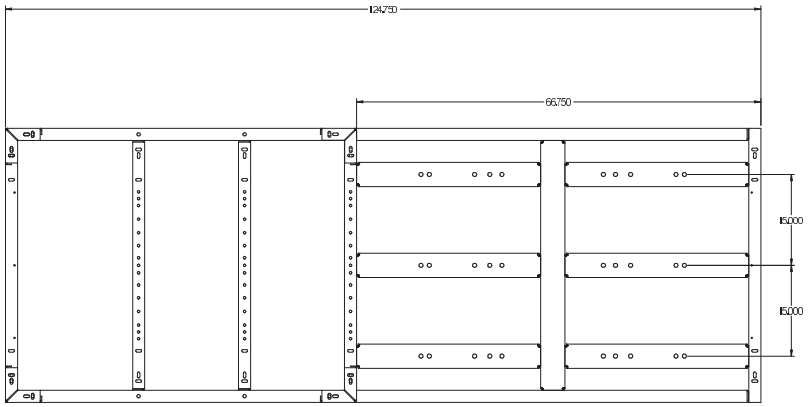
CD-11

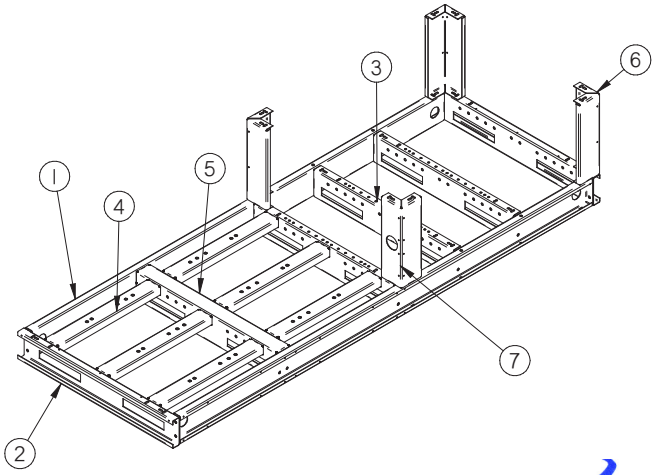
P/N CD-11

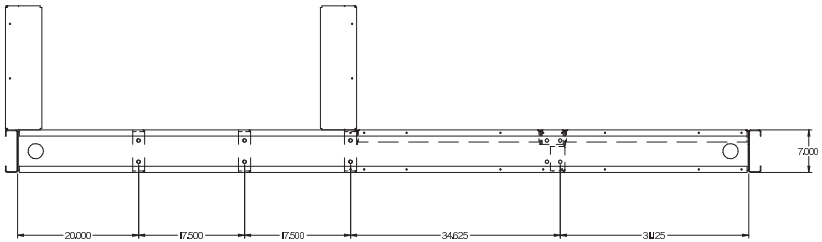
REV A

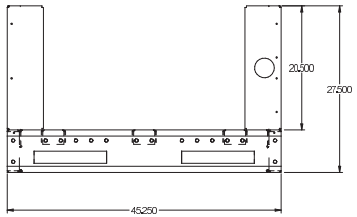
GDF 3.0 SHEET SIZE D

Item Number	Document Number	Title	Quantity
1	EI52290	SLD CHNL LATL (120.75")	2
2	900900	SLD CHNL END (45 1/4")	2
3	901100	SLD CHNL XBRACE (41 1/4")	3
4	901400	SLD CHNL COMPR (30 3/8")	6
5	901500	SLD CHNL XBRACE COMPR (41 1/4")	1
6	901700	SLD LEG (20 1/2")	3
7	912800	SLD LEG w/ hole	1



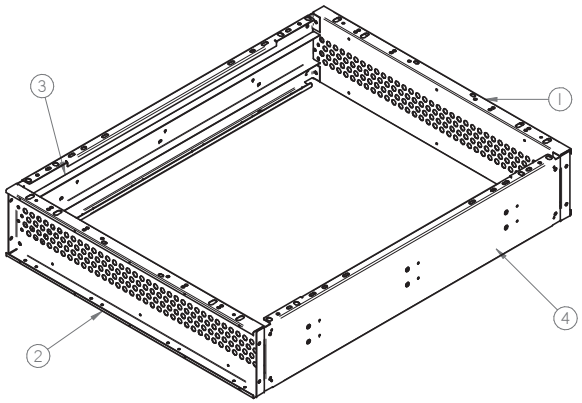






RONALD A. CRIBBS
LICENSE
No 61034
STATE OF FLORIDA
PROFESSIONAL ENGINEER

					KRACK CORPORATION
					MATERIAL:
2		NEW 1-PC SIDE RAIL	G.B.	11/11/02	DESCRIPTION: Drawing Assy DP DBSX BASE 11
1		RELEASED	G.B.	6/21/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"		THIRD ANGLE PROJECTION			SCALE: / SHEET# / PART NO: 907300
					DRAWN BY: G.B. / DATE: 06/21/02



NUMBER	ITEM	DESCRIPTION	QTY
1	E203413	LEV2 ENDPLT 0.375" 36X4 LH RB	1
2	E203414	LEV2 ENDPLT 0.375" 36X4 RH HDR	1
3	E203419	CHANNEL C 54" IF LEV2	2
4	E203417	LEV2 COIL BAFFLE	2
6*	E150966	LEV TRUNCATE TBE SHT 0.375" 4R	10
7*	SSTU13	TUBE SS304 3/80Dx57.00x.012W	8
8*	T06C140620	TUBE CU .375; .014 X 62.000 RI	136 (31.5 LB)
9*	FA1003604A05	Fin 1038-36-4 Al-.005NS	54 IN (45 LB)

NUMBERS: 6 - 7 - 8 - 9

ITEMS ARE INSTALLED INSIDE OF THE C CHANNEL (NUMBER-3)

RONALD A. CRIBBS
LICENSE
No 61034
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL ⟨K⟩
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

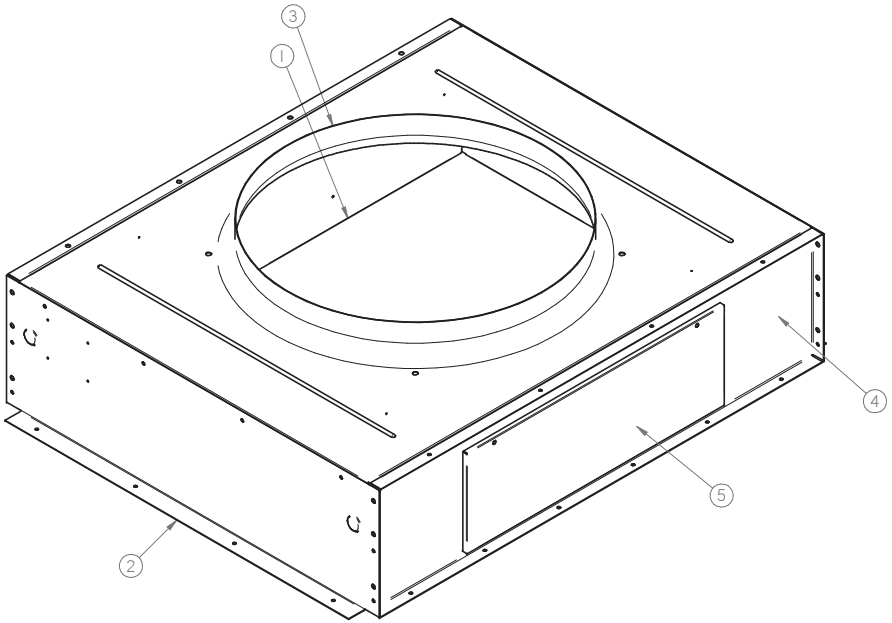
SHEET 1 OF 1

HUSSMANN®

LEV2 COIL 1WIDE 2FAN

P/N LEV2-C1W2F REV A

GDF 3.0 SHEET SIZE D



NUMBER	ITEM	DESCRIPTION	QTY
1	E203581	PLENUM SIDE PANEL	1
2	E203433	PLENUM END/CENTER 1W LEV2	2
3	E87128P	FAN PANEL 30" LEV2 1W & 2W NAR	1
4	E203436	PLENUM SIDE PANEL W/DOOR	1
5	E86121	ACCESS DOOR	1

RONALD A. CRIBBS LICENSE No 61034 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

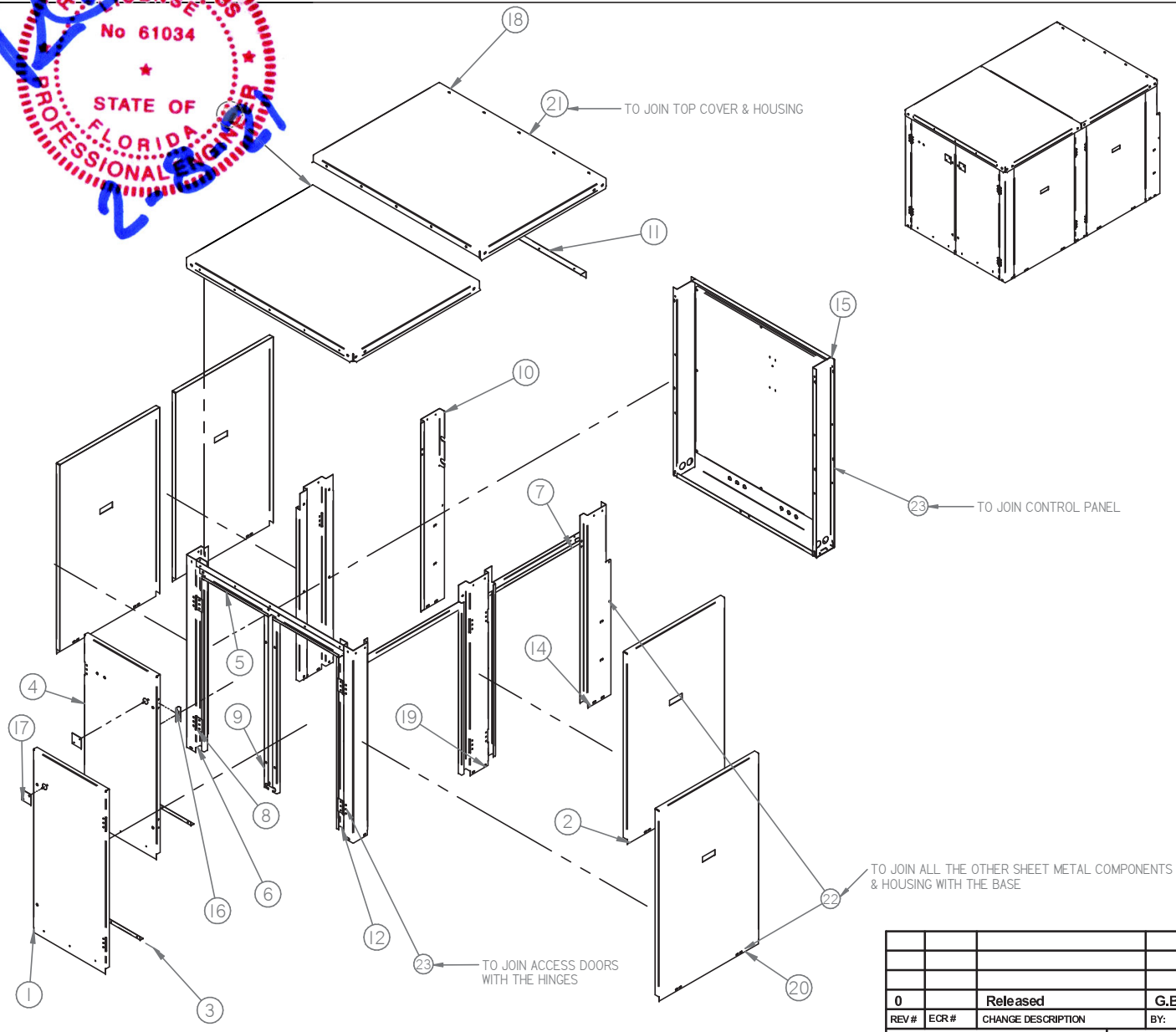
SHEET 1 OF 1

HUSSMANN®

HOUSING 1 WIDE 1 FAN

P/N LEV2SLDH10 REV A

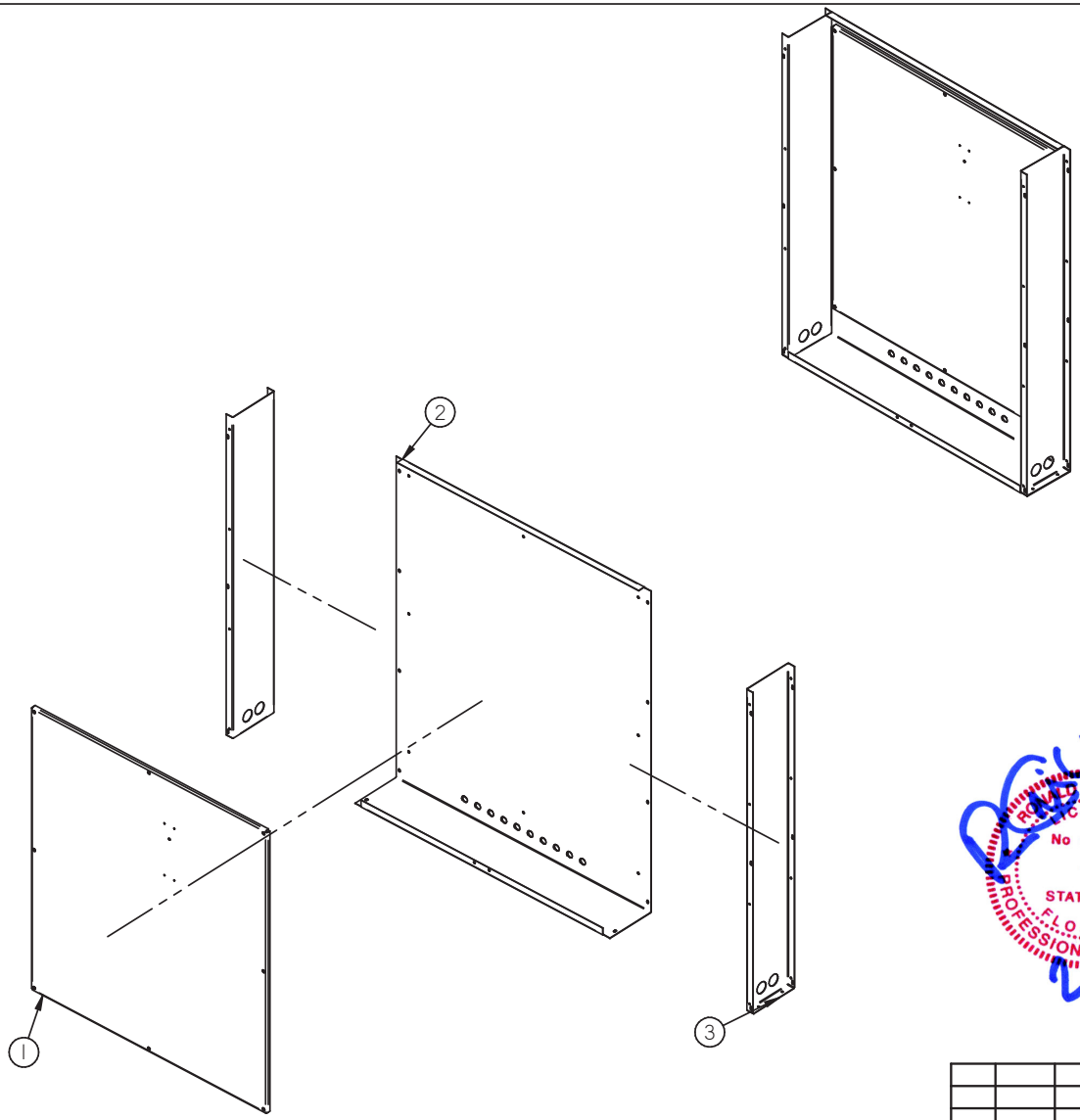
GDF 3.0 SHEET SIZE D

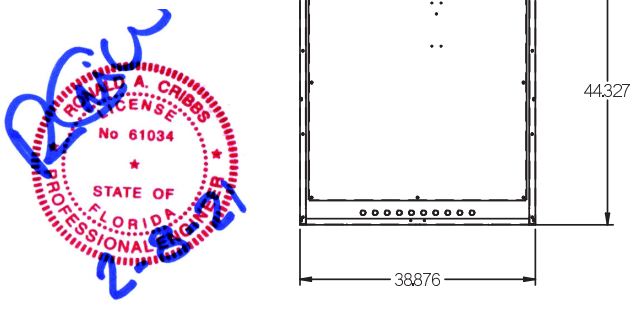


Item	Part #	Title	Material	QTY.
1	901900	SLD DOOR RH	SG90U ASTM A653 12GA .1084 NOM	1
10	902801	SLD PNL POST INTR LH	SG90U ASTM A653 12GA .1084 NOM	1
11	905600	SLD PNL TOP SPRT (1 WIDE)	SG90U ASTM A653 12GA .1084 NOM	1
12	904702	SLD PNL POST CORNER FR RH	SG90U ASTM A653 12GA .1084 NOM	1
13	902500	SLD PNL TOP (FT)	SG90U ASTM A653 12GA .1084 NOM	1
14	902802	SLD PNL POST INTR RH	SG90U ASTM A653 12GA .1084 NOM	1
15	E152226	SDP CTRLBOX 5 IN ASSY	SEE SPEC	1
16	904800	SLD DOOR SFTY INTLK	0.058 MIN. G90U GALV STEEL	1
17	905500	SLD DOOR COVER PLATE	0.058 MIN. G90U GALV STEEL	2
18	902600	SLD PNL TOP (REAR)	SG90U ASTM A653 12GA .1084 NOM	1
19	903100	SLD PNL POST CNTR	SG90U ASTM A653 12GA .1084 NOM	2
2	903501	SLD PNL ACCESS	SG90U ASTM A653 12GA .1084 NOM	2
20	903500	SLD PNL ACCESS	SG90U ASTM A653 12GA .1084 NOM	2
21	E312774	10-16X3/4"TEK2 HXWSHR HD SD SW	SEE SPEC	28
22	05385	#14X3/4 TYPE AB HHSMS ZP SCREW	SEE SPEC	70
23	05454	RIVET-0.25 DIA X 0.125-0.375 GRIP	SEE SPEC	38
3	902400	SLD CTRL PNL DOOR SPRT	SG90U ASTM A653 12GA .1084 NOM	2
4	901800	SLD DOOR LH	SG90U ASTM A653 12GA .1084 NOM	1
5	904600	SLD PNL POST INTR OF CTR PNL	SG90U ASTM A653 12GA .1084 NOM	1
6	904701	SLD PNL POST CORNER FR LH	SG90U ASTM A653 12GA .1084 NOM	1
7	904002	SLD CHNL (MTR WIRE) DEEP	SG90U ASTM A653 12GA .1084 NOM	1
8	E306001	SLD HINGE 3X3" SS ASSY		4
9	903400	SLD DOOR POST (CNTR)	SG90U ASTM A653 12GA .1084 NOM	1

					KRACK CORPORATION
					MATERIAL:
					DESCRIPTION: Drawing Assy DP DBSX HSG 1X
0		Released	G.B.	7/12/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"		THIRD ANGLE PROJECTION			SCALE: / SHEET# / PART NO: HIGHWIND
					DRAWN BY: G.B. / DATE: 7/12/02

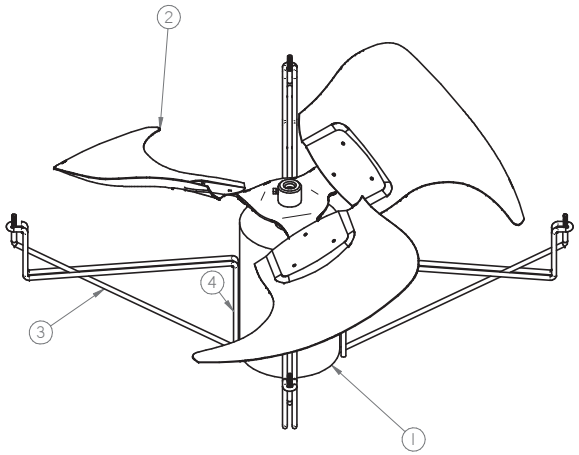
Item	Part #	Title	Material	QTY.
1	902100	SLD CTRL SUB PNL	0.085 MIN. G90U GALV STEEL	1
2	912000	SLD CTRL PNL BOX (DEEP)	0.048 MIN. G90U GALV STEEL	1
3	911900	SLD CTRL PNL BOX SIDE	0.048 MIN. G90U GALV STEEL	2



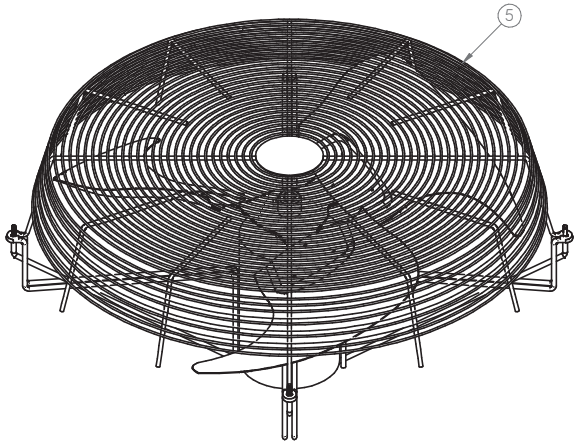


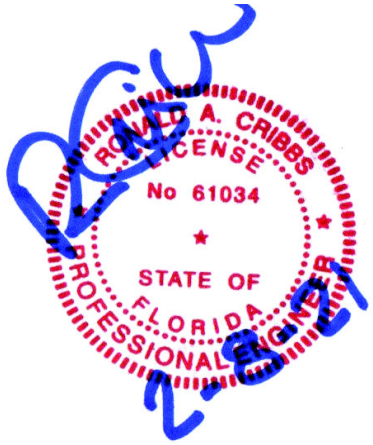
RONALD A. CRIBBS LICENSE No 61034 STATE OF FLORIDA PROFESSIONAL ENGINEER

					KRACK CORPORATION
					MATERIAL:
					DESCRIPTION: SDP CTRLBOX 7IN
0		RELEASED	G.B.	7/15/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"		THIRD ANGLE PROJECTION			SCALE: / SHEET# / PART NO: E152227
					DRAWN BY: G.B. DATE: 7/15/02



NUMBER	ITEM	DESCRIPTION	QTY
1	E205492IN	MOTOR 1.5HP 230/460/60/3/1140	1
2	E205493	30 DIA FAN 24 DEG CW 5/8 BORE	1
3	E280793	MOTOR BRACKET	2
4	80034	MOTOR RING 56 FRAME LEV-SM	1
5	E280792	FAN GUARD 30" LEV-SM-PC	1





NOTES:
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   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
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3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

SHEET 1 OF 1

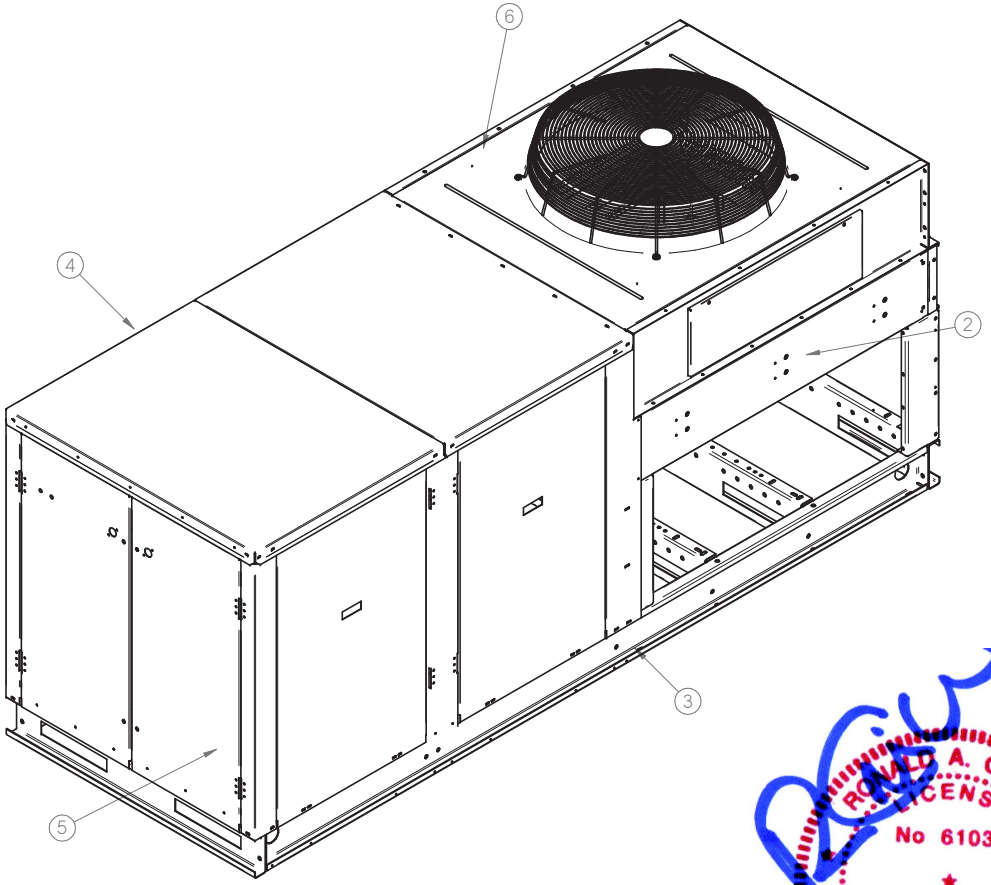
HUSSMANN®

MOTOR ASSY SLD 1.5HP 1140 230/

P/N E110883001 REV A

GDF 3.0 SHEET SIZE D

REVISION HISTORY						
REV	ECN	DATE	REVISION DESCRIPTION	REV BY	CHKD BY	APPR BY
A		1/15/21	INITIAL RELEASED	JS	JS	JS



NUMBER	ITEM	DESCRIPTION	QTY
1	LEV2SLDH10	HOUSING 1WIDE 1FAN	1
2	LEV2-C1W1F	LEV2 COIL 1WIDE 1FAN	1
3	DPDBSXBAS0	Base; D Semi-Herm 1 Fans	1
4	DPDBSXHSG1	HOUSING; D SEMI-HERM 1 FAN WIDE	1
5	SDP CTRLBOX 7IN	CNTRLBOX; 7 INCH DEEP SLD	1
6	E11088300 1	MOTOR ASSY SLD 1.5HP 1140 230/	1

RONALD A. CRIBBS LICENSE No 61034 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOTES:
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   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

SHEET 1 OF 1

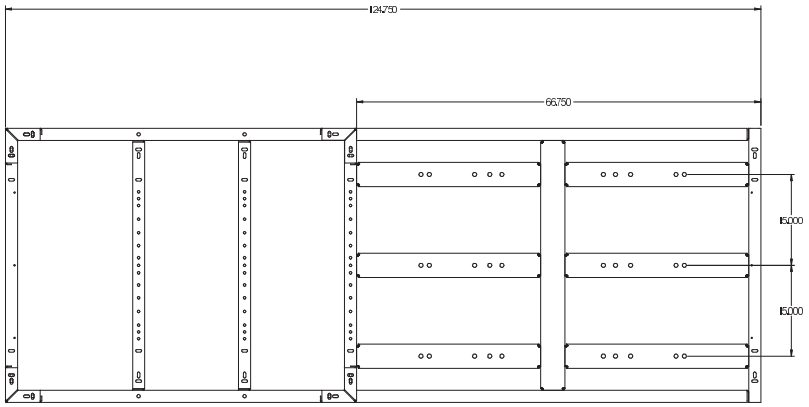
HUSSMANN®

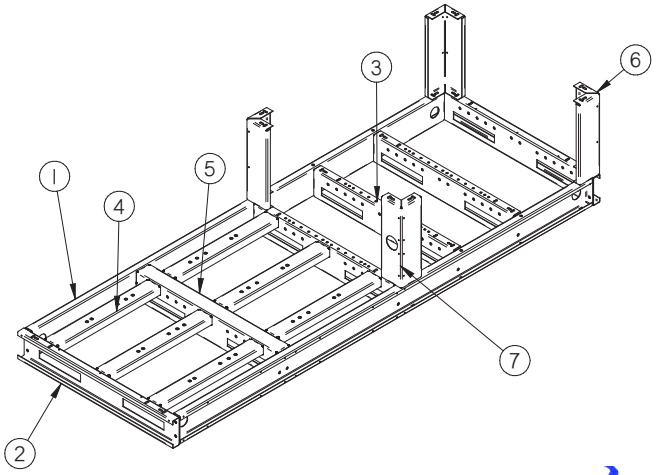
CP-11

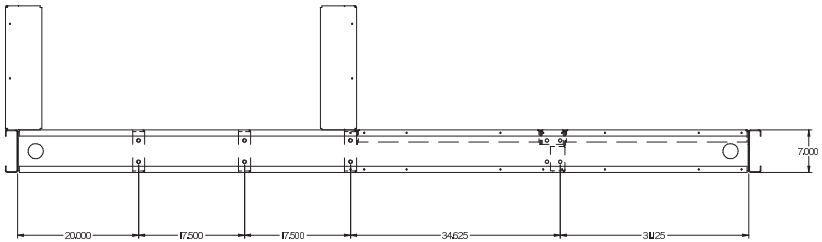
P/N CP-11 REV A

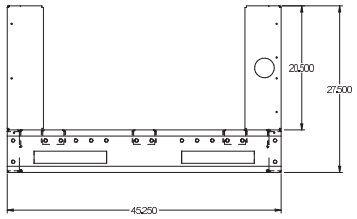
GDF 3.0 SHEET SIZE D

Item Number	Document Number	Title	Quantity
1	EI52290	SLD CHNL LATL (120.75")	2
2	900900	SLD CHNL END (45 1/4")	2
3	901100	SLD CHNL XBRACE (41 1/4")	3
4	901400	SLD CHNL COMPR (30 3/8")	6
5	901500	SLD CHNL XBRACE COMPR (41 1/4")	1
6	901700	SLD LEG (20 1/2")	3
7	912800	SLD LEG w/ hole	1



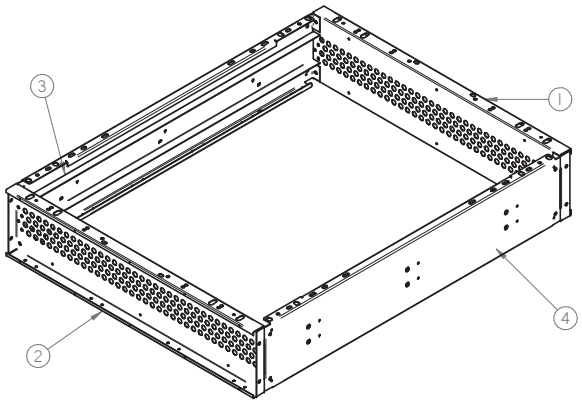








					KRACK CORPORATION
					MATERIAL:
2		NEW 1-PC SIDE RAIL	G.B.	11/11/02	DESCRIPTION: Drawing Assy DP DBSX BASE 11
1		RELEASED	G.B.	6/21/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"		THIRD ANGLE PROJECTION			SCALE: / SHEET# / PART NO: 907300
					DRAWN BY: G.B. / DATE: 06/21/02



NUMBER	ITEM	DESCRIPTION	QTY
1	E203413	LEV2 ENDPLT 0.375" 36X4 LH RB	1
2	E203414	LEV2 ENDPLT 0.375" 36X4 RH HDR	1
3	E203419	CHANNEL C 54" IF LEV2	2
4	E203417	LEV2 COIL BAFFLE	2
6*	E150966	LEV TRUNCATE TBE SHT 0.375" 4R	10
7*	SSTU13	TUBE SS304 3/80Dx57.00x.012W	8
8*	T06C140620	TUBE CU .375; .014 X 62.000 RI	136 (31.5 LB)
9*	FA1003604A05	Fin 1038-36-4 Al-.005NS	54 IN (45 LB)

NUMBERS: 6 - 7 - 8 - 9

ITEMS ARE INSTALLED INSIDE OF THE C CHANNEL (NUMBER-3)



NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL ⟨K⟩
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

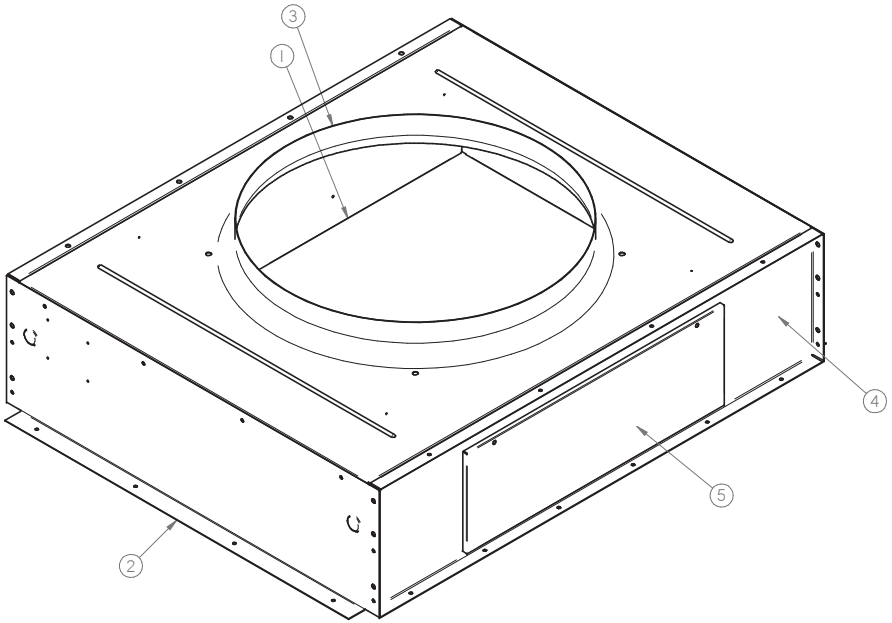
SHEET 1 OF 1

HUSSMANN®

LEV2 COIL 1WIDE 2FAN

P/N LEV2-C1W2F REV A

GDF 3.0 SHEET SIZE D



NUMBER	ITEM	DESCRIPTION	QTY
1	E203581	PLENUM SIDE PANEL	1
2	E203433	PLENUM END/CENTER 1W LEV2	2
3	E87128P	FAN PANEL 30" LEV2 1W & 2W NAR	1
4	E203436	PLENUM SIDE PANEL W/DOOR	1
5	E86121	ACCESS DOOR	1

RONALD A. CRIBBS LICENSE No 61034 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOTES:
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3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

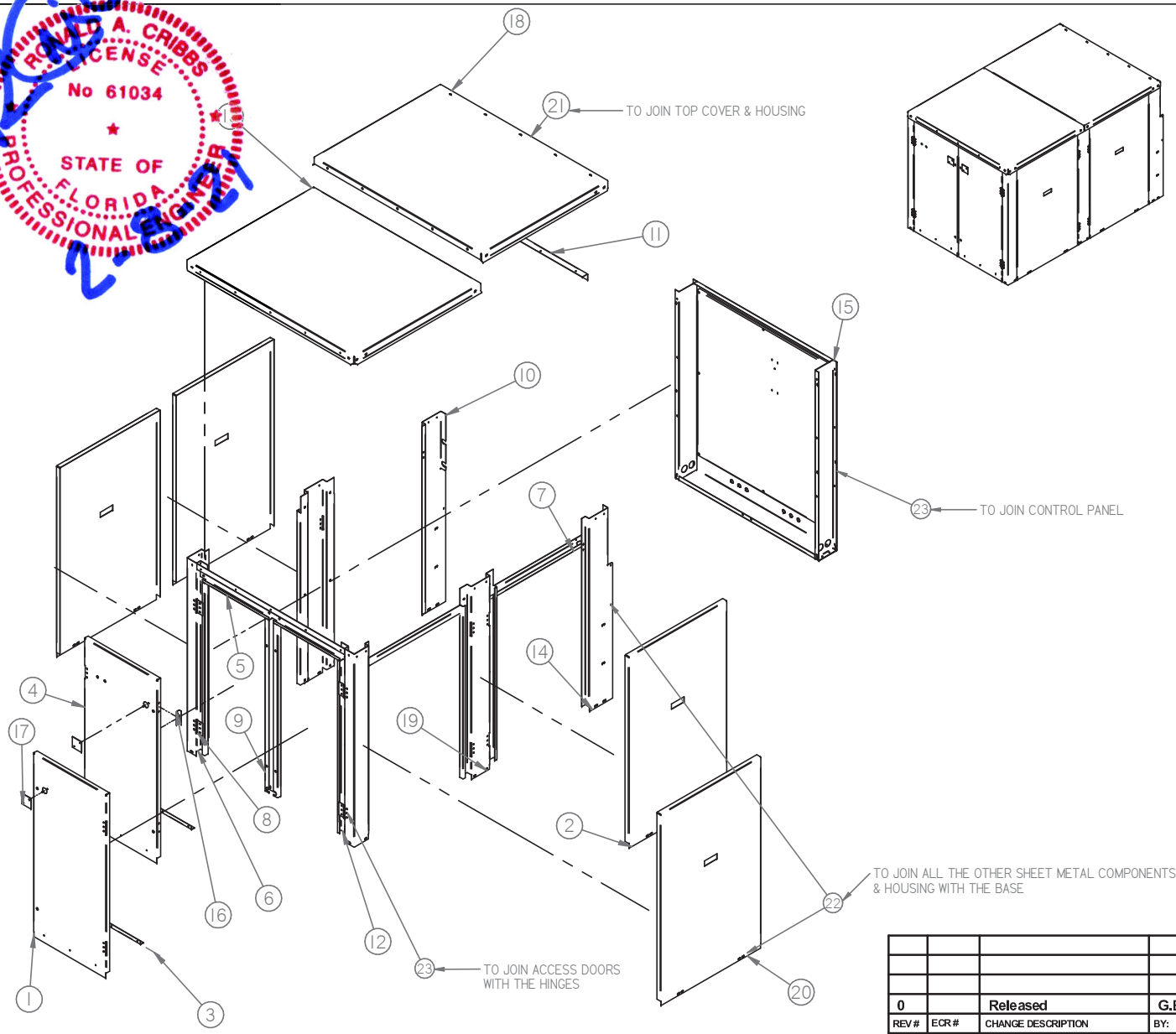
SHEET 1 OF 1

HUSSMANN®

HOUSING 1 WIDE 1 FAN

P/N LEV2SLDH10 REV A

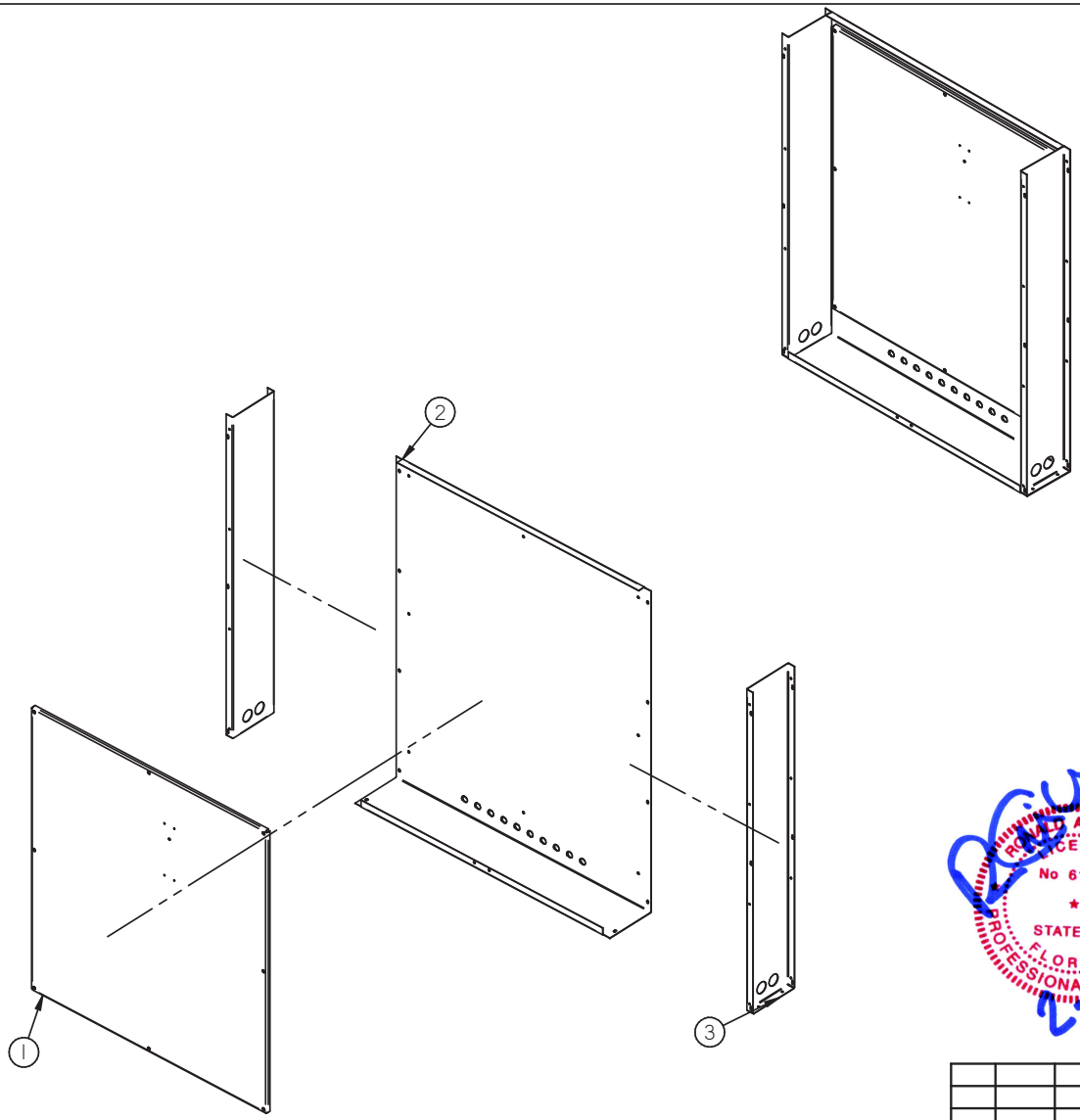
GDF 3.0 SHEET SIZE D

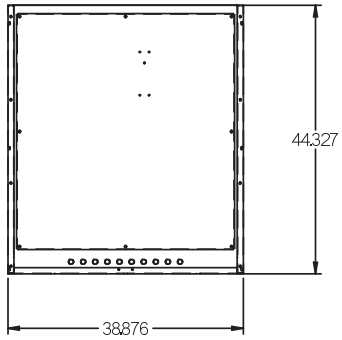


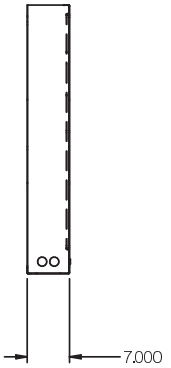
Item	Part #	Title	Material	QTY.
1	901900	SLD DOOR RH	SG90U ASTM A653 12GA .1084 NOM	1
10	902801	SLD PNL POST INTR LH	SG90U ASTM A653 12GA .1084 NOM	1
11	905600	SLD PNL TOP SPRT (1 WIDE)	SG90U ASTM A653 12GA .1084 NOM	1
12	904702	SLD PNL POST CORNER FR RH	SG90U ASTM A653 12GA .1084 NOM	1
13	902500	SLD PNL TOP (FT)	SG90U ASTM A653 12GA .1084 NOM	1
14	902802	SLD PNL POST INTR RH	SG90U ASTM A653 12GA .1084 NOM	1
15	E152226	SDP CTRLBOX 5 IN ASSY	SEE SPEC	1
16	904800	SLD DOOR SFTY INTLK	0.058 MIN. G90U GALV STEEL	1
17	905500	SLD DOOR COVER PLATE	0.058 MIN. G90U GALV STEEL	2
18	902600	SLD PNL TOP (REAR)	SG90U ASTM A653 12GA .1084 NOM	1
19	903100	SLD PNL POST CNTR	SG90U ASTM A653 12GA .1084 NOM	2
2	903501	SLD PNL ACCESS	SG90U ASTM A653 12GA .1084 NOM	2
20	903500	SLD PNL ACCESS	SG90U ASTM A653 12GA .1084 NOM	2
21	E312774	10-16X3/4"TEK2 HXWSHR HD SD SW	SEE SPEC	28
22	05385	#14X3/4 TYPE AB HHSMS ZP SCREW	SEE SPEC	70
23	05454	RIVET-0.25 DIA X 0.125-0.375 GRIP	SEE SPEC	38
3	902400	SLD CTRL PNL DOOR SPRT	SG90U ASTM A653 12GA .1084 NOM	2
4	901800	SLD DOOR LH	SG90U ASTM A653 12GA .1084 NOM	1
5	904600	SLD PNL POST INTR OF CTR PNL	SG90U ASTM A653 12GA .1084 NOM	1
6	904701	SLD PNL POST CORNER FR LH	SG90U ASTM A653 12GA .1084 NOM	1
7	904002	SLD CHNL (MTR WIRE) DEEP	SG90U ASTM A653 12GA .1084 NOM	1
8	E306001	SLD HINGE 3X3" SS ASSY		4
9	903400	SLD DOOR POST (CNTR)	SG90U ASTM A653 12GA .1084 NOM	1

					KRACK CORPORATION
					MATERIAL:
					DESCRIPTION: Drawing Assy DP DBSX HSG 1X
0		Released	G.B.	7/12/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"			THIRD ANGLE PROJECTION		SCALE: / SHEET# / PART NO: HIGHWIND
					DRAWN BY: G.B. / DATE: 7/12/02

Item	Part #	Title	Material	QTY.
1	902100	SLD CTRL SUB PNL	0.085 MIN. G90U GALV STEEL	1
2	912000	SLD CTRL PNL BOX (DEEP)	0.048 MIN. G90U GALV STEEL	1
3	911900	SLD CTRL PNL BOX SIDE	0.048 MIN. G90U GALV STEEL	2

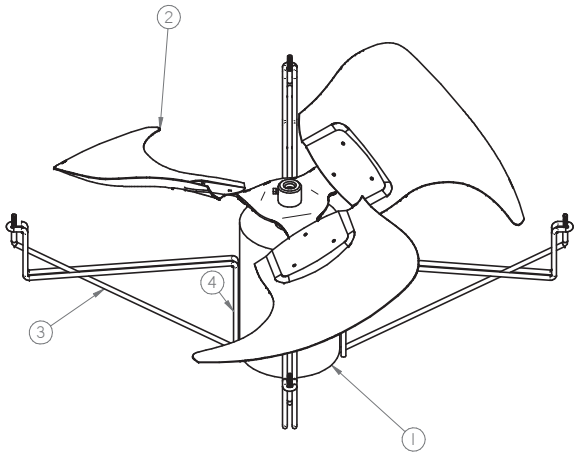




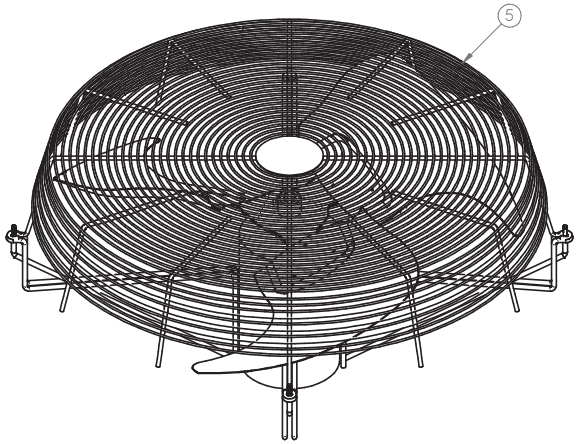


RONALD A. CRIBBS LICENSE No 61034 STATE OF FLORIDA PROFESSIONAL ENGINEER

					KRACK CORPORATION
					MATERIAL:
					DESCRIPTION: SDP CTRLBOX 7IN
0		RELEASED	G.B.	7/15/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"			THIRD ANGLE PROJECTION		SCALE: / SHEET# / PART NO: E152227
					DRAWN BY: G.B. DATE: 7/15/02



NUMBER	ITEM	DESCRIPTION	QTY
1	E205492IN	MOTOR 1.5HP 230/460/60/3/1140	1
2	E205493	30 DIA FAN 24 DEG CW 5/8 BORE	1
3	E280793	MOTOR BRACKET	2
4	80034	MOTOR RING 56 FRAME LEV-SM	1
5	E280792	FAN GUARD 30" LEV-SM-PC	1





NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL ⟨K⟩
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

SHEET 1 OF 1

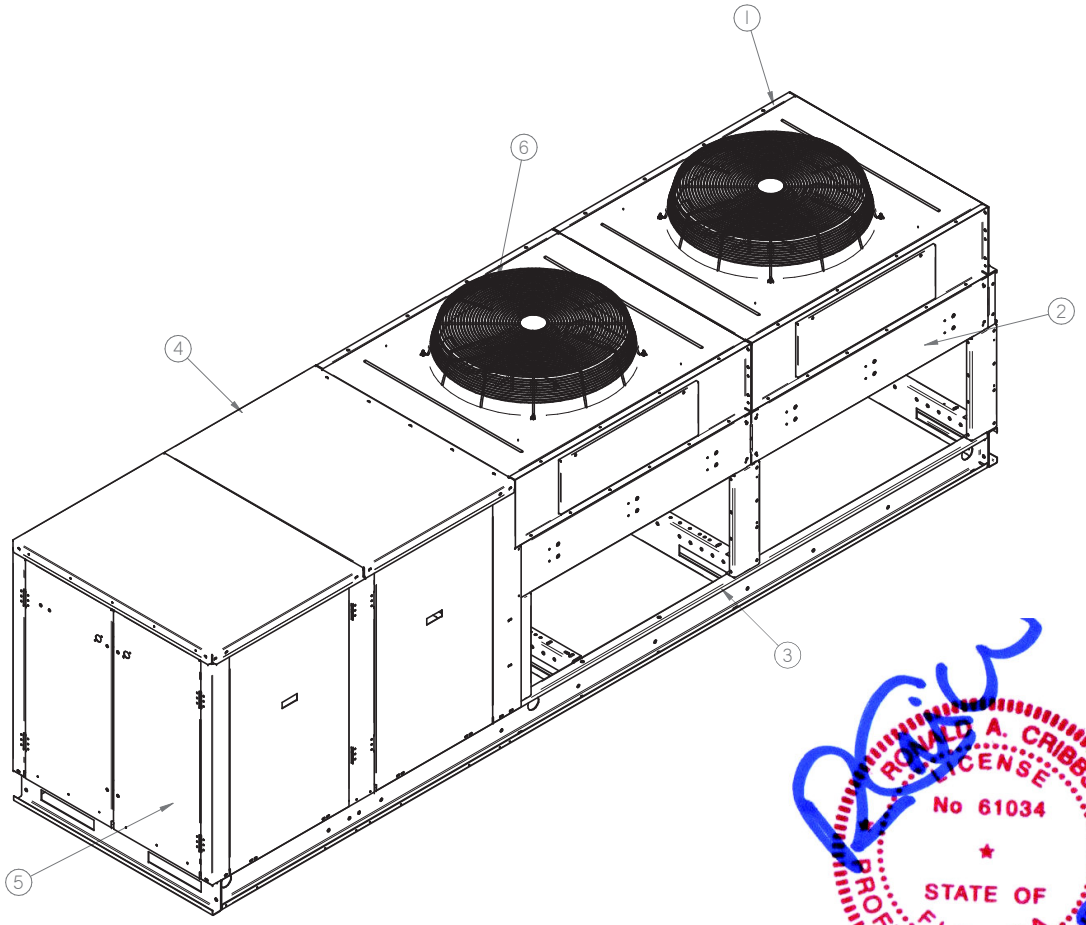
HUSSMANN®

MOTOR ASSY SLD 1.5HP 1140 230/

P/N E110883001 REV A

GDF 3.0 SHEET SIZE D

REVISION HISTORY						
REV	ECN	DATE	REVISION DESCRIPTION	REV BY	CHKD BY	APPR BY
A		1/22/21	INITIAL RELEASED	JS	JS	JS



NUMBER	ITEM	DESCRIPTION	QTY
1	LEV2SLDH12	HOUSING 1WIDE 2FAN	1
2	LEV2-C1W2F	LEV2 COIL 1WIDE 2FAN	1
3	DPDBSXBAS0	Base; D Semi-Herm 1 Fans	1
4	DPDBSXHSG1	HOUSING; D SEMI-HERM 1 FAN WIDE	1
5	SDP CTRLBOX 7IN	CNTRLBOX; 7 INCH DEEP SLD	1
6	E11088300 1	MOTOR ASSY SLD 1.5HP 1140 230/	2

NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

SHEET 1 OF 1

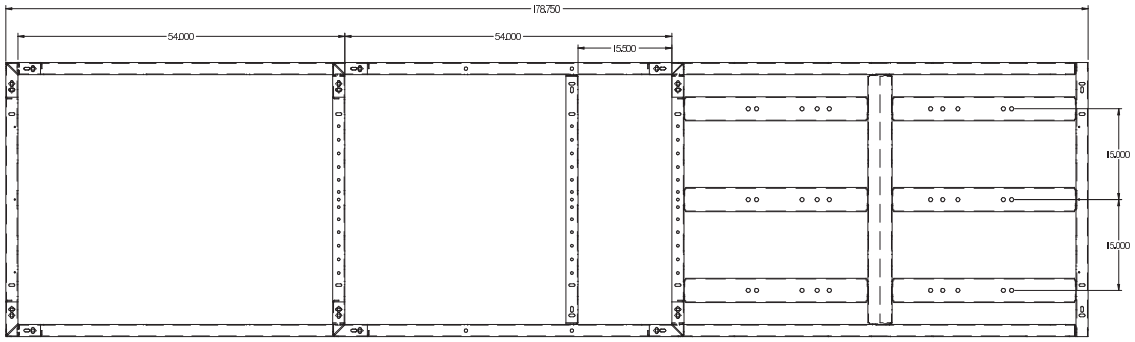
HUSSMANN®

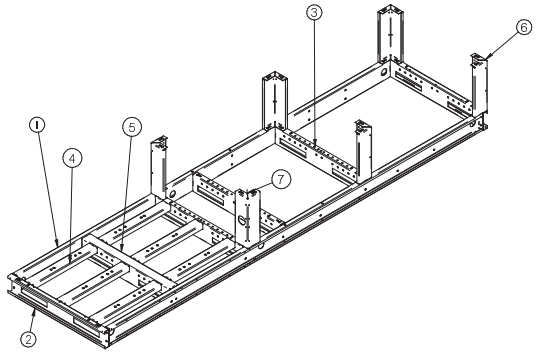
CD-12

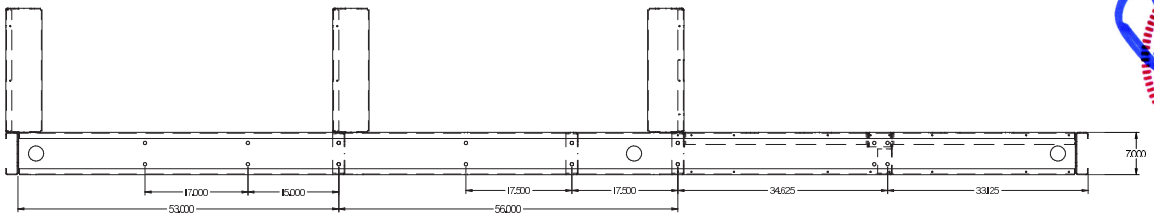
P/N CD-12 REV A

GDF 3.0 SHEET SIZE D

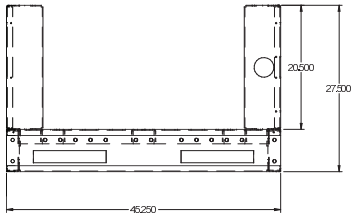
Item Number	Document Number	Title	Quantity
1	915229I	SLD CHNL LATL (174.75")	2
2	900900	SLD CHNL END (45 1/4")	2
3	901100	SLD CHNL XBRACE (41 1/4")	3
4	901400	SLD CHNL COMPR (30 3/8")	6
5	901500	SLD CHNL XBRACE COMPR (41 1/4")	1
6	901700	SLD LEG (20 1/2")	5
7	912800	SLD LEG w/ hole	1



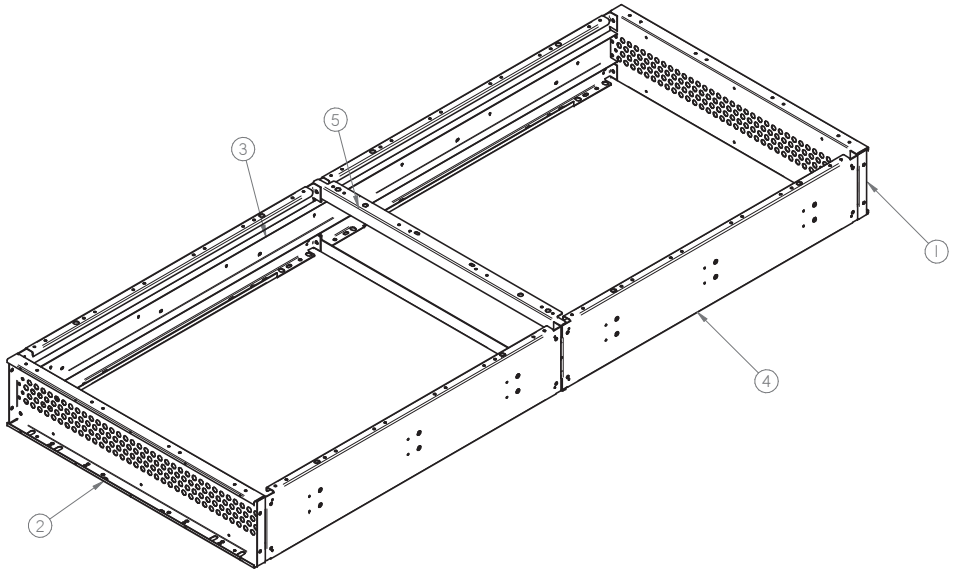




RONALD A. CRIBBS LICENSE No 61034 STATE OF FLORIDA PROFESSIONAL ENGINEER



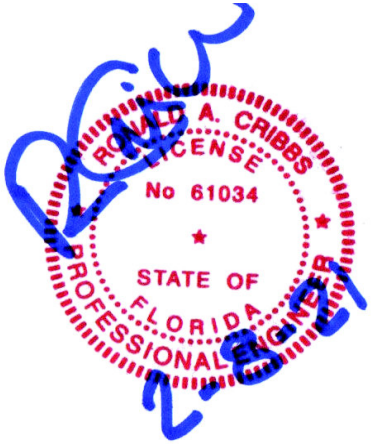
					KRACK CORPORATION
					MATERIAL:
2		NEW 1 PIECE SIDE RAIL	G.B.	11/12/02	DESCRIPTION: Drawing Assy DP DBSX BASE 12
1		RELEASED	G.B.	3/25/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"		THIRD ANGLE PROJECTION			SCALE: / SHEET# / PART NO: 906200
					DRAWN BY: G.B. / DATE: 01/28/02



NUMBER	ITEM	DESCRIPTION	QTY
1	E203413	LEV2 ENDPLT 0.375" 36X4 LH RB	1
2	E203414	LEV2 ENDPLT 0.375" 36X4 RH HDR	1
3	E203421	CHANNEL C 108" 2F LEV2	2
4	E203417	LEV2 COIL BAFFLE	4
5	E203418	LEV2 COIL CROSS SUPT	2
6*	E150966	LEV TRUNCATE TBE SHT 0.375" 4R	22
7*	SSTU08	TUBE SS304 3/80Dx111.63x.012W	8
8*	T06C141170	TUBE CU .375; .014 X 117.000 R	136 (62.73 LB)
9*	FA1003603A05	Fin 1038-36-3 Al-.005NS	108 IN (82.01 LB)

NUMBERS: 6 - 7 - 8 - 9

ITEMS ARE INSTALLED INSIDE OF THE C CHANNEL (NUMBER-3)



NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL ⟨K⟩
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

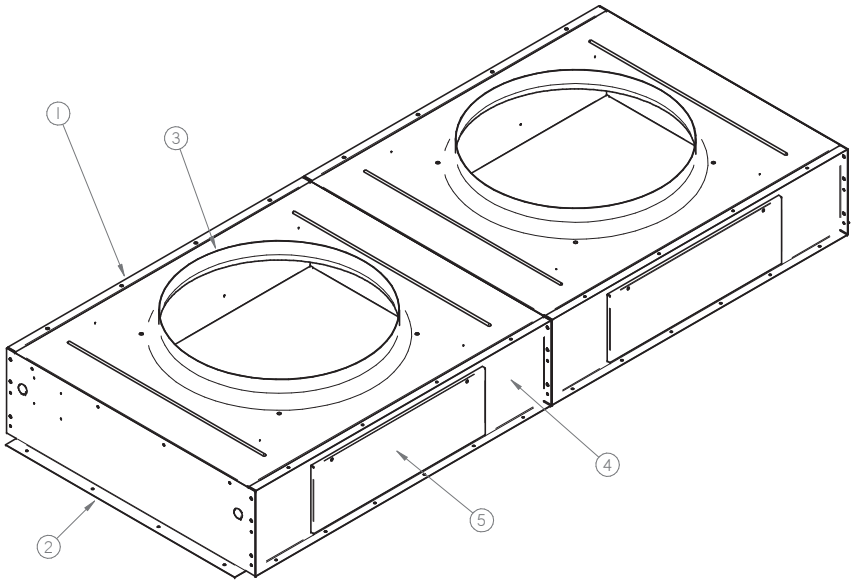
SHEET 1 OF 1

HUSSMANN®

LEV2 COIL 1WIDE 2FAN

P/N LEV2-C1W2F REV A

GDF 3.0 SHEET SIZE D



NUMBER	ITEM	DESCRIPTION	QTY
1	E203581	PLENUM SIDE PANEL	2
2	E203433	PLENUM END/CENTER 1W LEV2	3
3	E87128P	FAN PANEL 30" LEV2 1W & 2W NAR	2
4	E203436	PLENUM SIDE PANEL W/DOOR	2
5	E86121	ACCESS DOOR	2

RONALD A. CRIBBS
LICENSE
No 61034
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

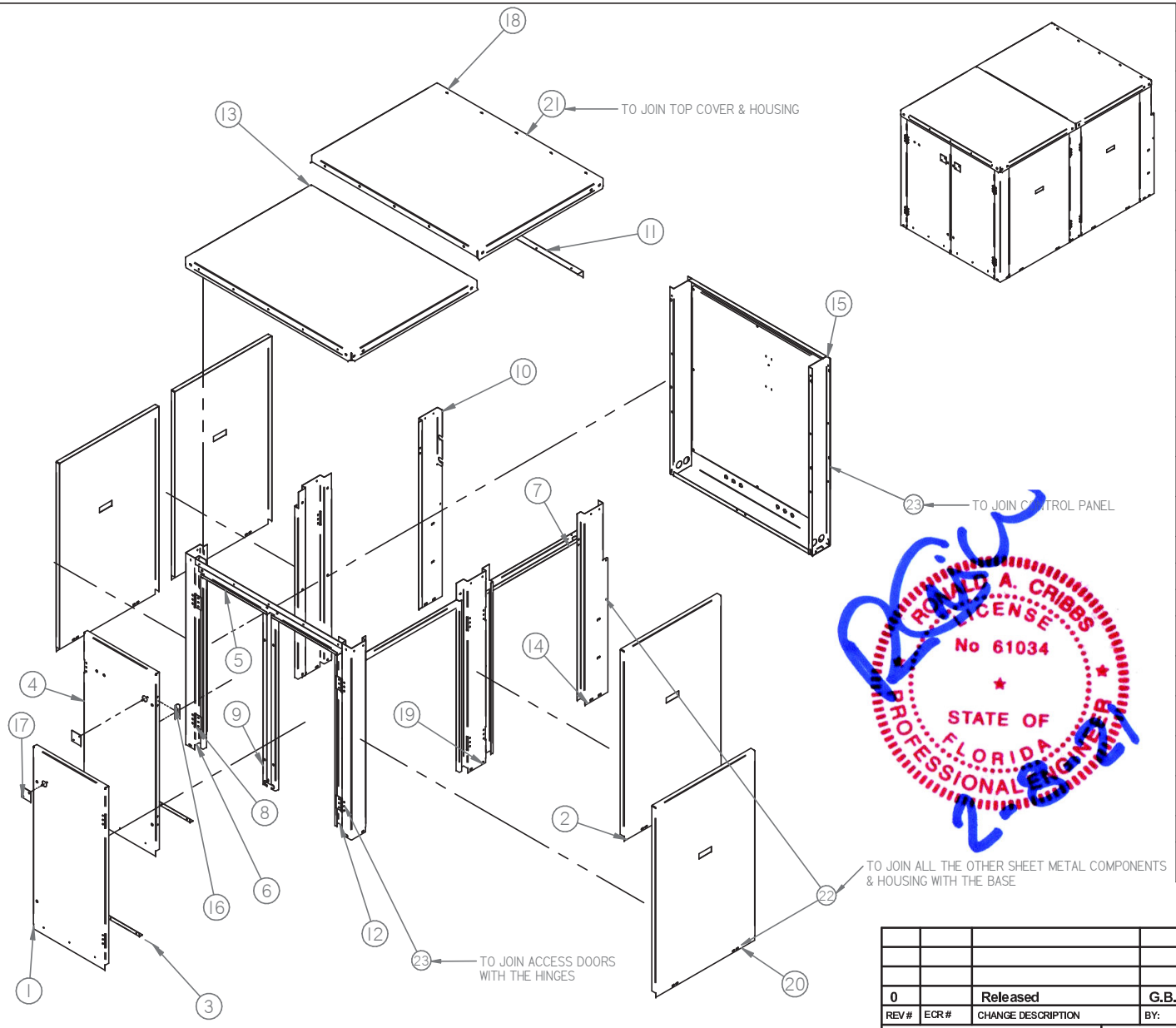
SHEET 1 OF 1

HUSSMANN®

HOUSING 1WIDE 2FANS

P/N LEV2SLDH12 REV A

GDF 3.0 SHEET SIZE D



Item	Part #	Title	Material	QTY.
1	901900	SLD DOOR RH	SG90U ASTM A653 12GA .1084 NOMI	1
10	902801	SLD PNL POST INTR LH	SG90U ASTM A653 12GA .1084 NOMI	1
11	905600	SLD PNL TOP SPRT (1 WIDE)	SG90U ASTM A653 12GA .1084 NOMI	1
12	904702	SLD PNL POST CORNER FR RH	SG90U ASTM A653 12GA .1084 NOMI	1
13	902500	SLD PNL TOP (FT)	SG90U ASTM A653 12GA .1084 NOMI	1
14	902802	SLD PNL POST INTR RH	SG90U ASTM A653 12GA .1084 NOMI	1
15	E152226	SDP CTRLBOX 5 IN ASSY	SEE SPEC	1
16	904800	SLD DOOR SFTY INTLK	0.058 MIN. G90U GALV STEEL	1
17	905500	SLD DOOR COVER PLATE	0.058 MIN. G90U GALV STEEL	2
18	902600	SLD PNL TOP (REAR)	SG90U ASTM A653 12GA .1084 NOMI	1
19	903100	SLD PNL POST CNTR	SG90U ASTM A653 12GA .1084 NOMI	2
2	903501	SLD PNL ACCESS	SG90U ASTM A653 12GA .1084 NOMI	2
20	903500	SLD PNL ACCESS	SG90U ASTM A653 12GA .1084 NOMI	2
21	E312774	10-16X3/4"TEK2 HXWSHR HD SD SW	SEE SPEC	28
22	05385	#14X3/4 TYPE AB HHSMS ZP SCREW	SEE SPEC	70
23	05454	RIVET-0.25 DIA X 0.125-0.375 GRIP	SEE SPEC	38
3	902400	SLD CTRL PNL DOOR SPRT	SG90U ASTM A653 12GA .1084 NOMI	2
4	901800	SLD DOOR LH	SG90U ASTM A653 12GA .1084 NOMI	1
5	904600	SLD PNL POST INTR OF CTR PNL	SG90U ASTM A653 12GA .1084 NOMI	1
6	904701	SLD PNL POST CORNER FR LH	SG90U ASTM A653 12GA .1084 NOMI	1
7	904002	SLD CHNL (MTR WIRE) DEEP	SG90U ASTM A653 12GA .1084 NOMI	1
8	E306001	SLD HINGE 3X3" SS ASSY		4
9	903400	SLD DOOR POST (CNTR)	SG90U ASTM A653 12GA .1084 NOMI	1

REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:
0		Released	G.B.	7/12/02

TOLERANCE: UNLESS OTHERWISE SPECIFIED
ANGULAR: +/- 0.5°
DECIMAL: +/- 0.031"

THIRD ANGLE PROJECTION

KRACK CORPORATION

MATERIAL:

DESCRIPTION: Drawing Assy DP DBSX HSG 1X

MODEL: SLD

JOB NO:

SCALE:

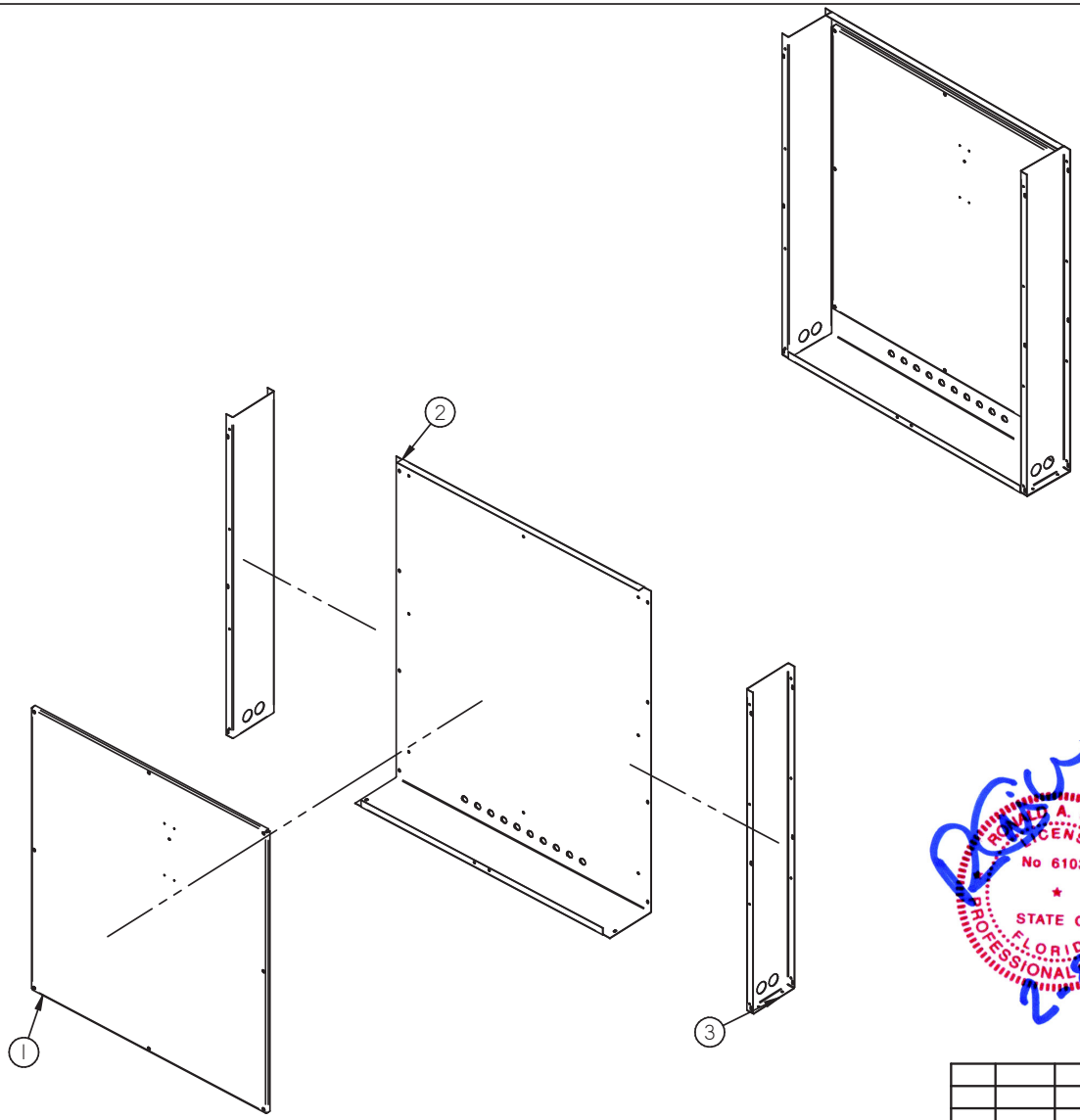
SHEET#

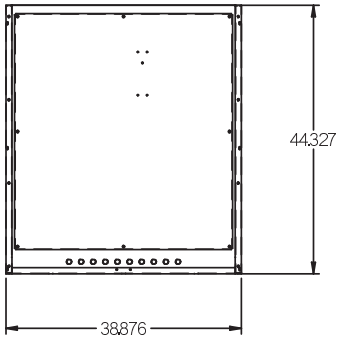
DRAWN BY: G.B.

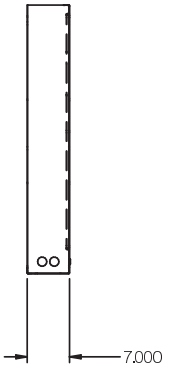
DATE: 7/12/02

PART NO: HIGHWIND

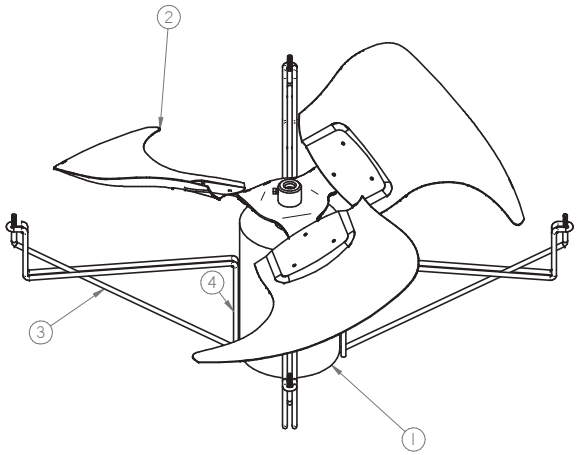
Item	Part #	Title	Material	QTY.
1	902100	SLD CTRL SUB PNL	0.085 MIN. G90U GALV STEEL	1
2	912000	SLD CTRL PNL BOX (DEEP)	0.048 MIN. G90U GALV STEEL	1
3	911900	SLD CTRL PNL BOX SIDE	0.048 MIN. G90U GALV STEEL	2



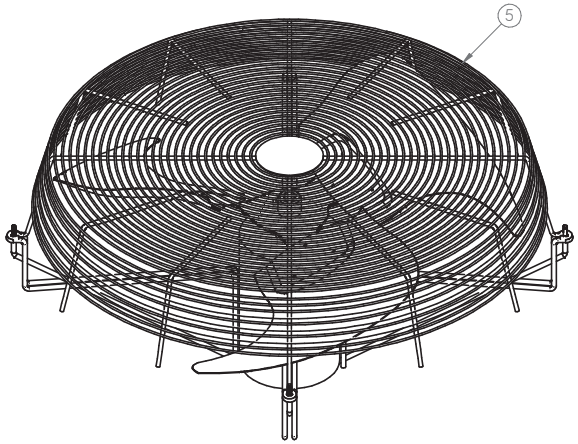


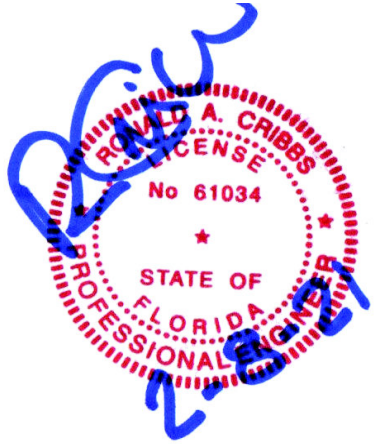


					KRACK CORPORATION
					MATERIAL:
					DESCRIPTION: SDP CTRLBOX 7IN
0		RELEASED	G.B.	7/15/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"			THIRD ANGLE PROJECTION		SCALE: / SHEET# / PART NO: E152227 DRAWN BY: G.B. / DATE: 7/15/02



NUMBER	ITEM	DESCRIPTION	QTY
1	E205492IN	MOTOR 1.5HP 230/460/60/3/1140	1
2	E205493	30 DIA FAN 24 DEG CW 5/8 BORE	1
3	E280793	MOTOR BRACKET	2
4	80034	MOTOR RING 56 FRAME LEV-SM	1
5	E280792	FAN GUARD 30" LEV-SM-PC	1





NOTES:
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   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
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3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

SHEET 1 OF 1

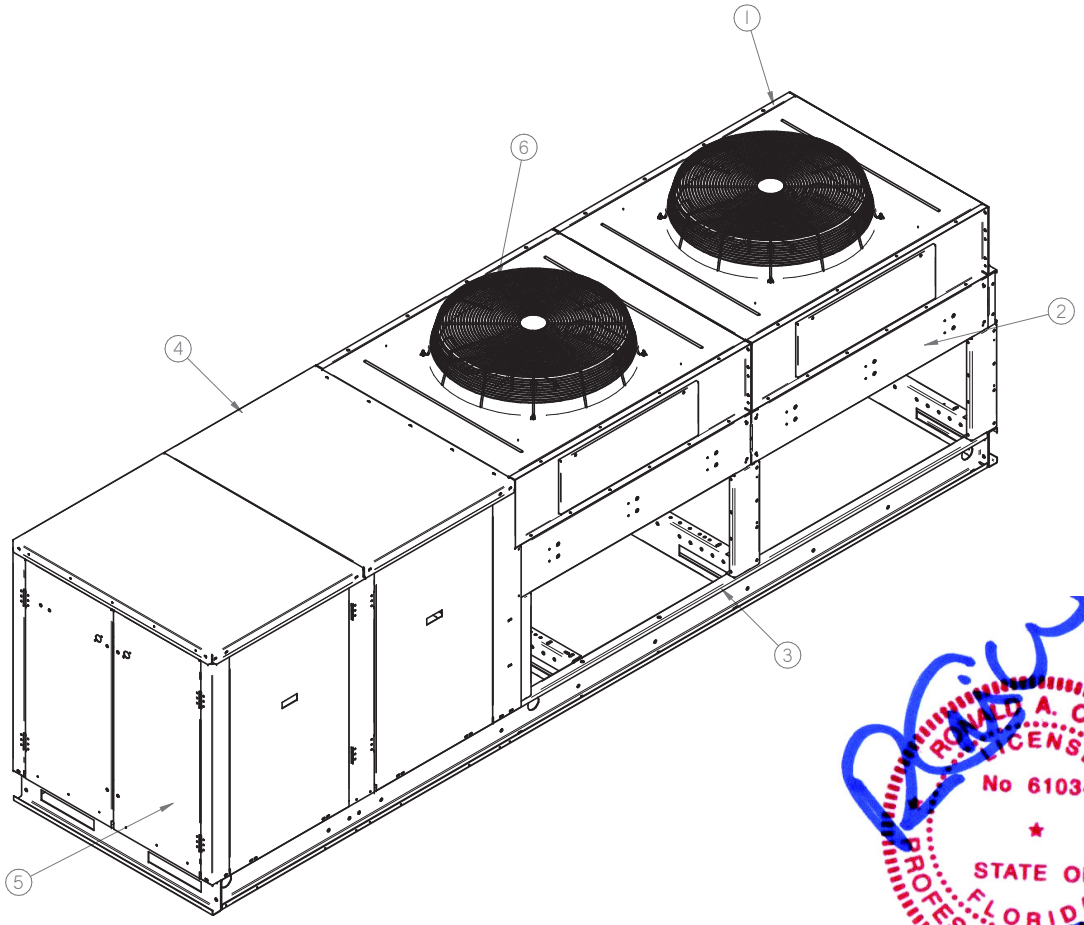
HUSSMANN®

MOTOR ASSY SLD 1.5HP 1140 230/

P/N E110883001 REV A

GDF 3.0 SHEET SIZE D

REVISION HISTORY						
REV	ECN	DATE	REVISION DESCRIPTION	REV BY	CHKD BY	APPR BY
A		1/22/21	INITIAL RELEASED	JS	JS	JS



NUMBER	ITEM	DESCRIPTION	QTY
1	LEV2SLDH12	HOUSING 1WIDE 2FAN	1
2	LEV2-C1W2F	LEV2 COIL 1WIDE 2FAN	1
3	DPDBSXBAS0	Base; D Semi-Herm 1 Fans	1
4	DPDBSXHSG1	HOUSING; D SEMI-HERM 1 FAN WIDE	1
5	SDP CTRLBOX 7IN	CNTRLBOX; 7 INCH DEEP SLD	1
6	E11088300 1	MOTOR ASSY SLD 1.5HP 1140 230/	2

RONALD A. CRIBBS
LICENSE
No 61034
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

SHEET 1 OF 1

HUSSMANN®

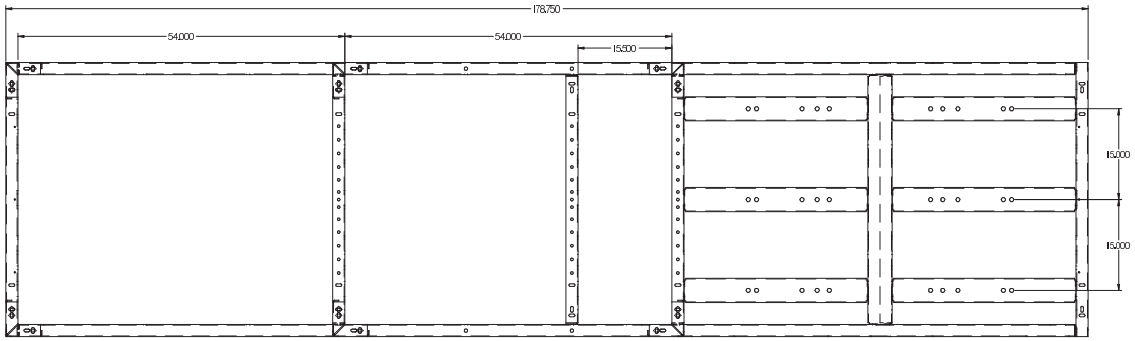
CP-12

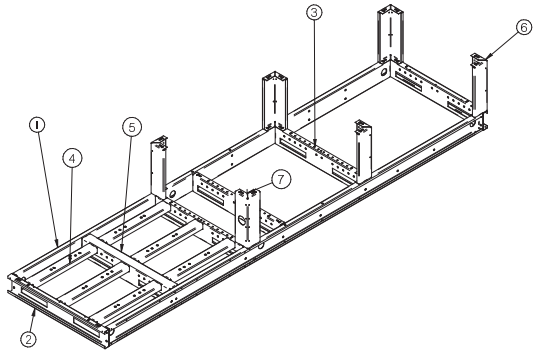
P/N CP-12 REV A

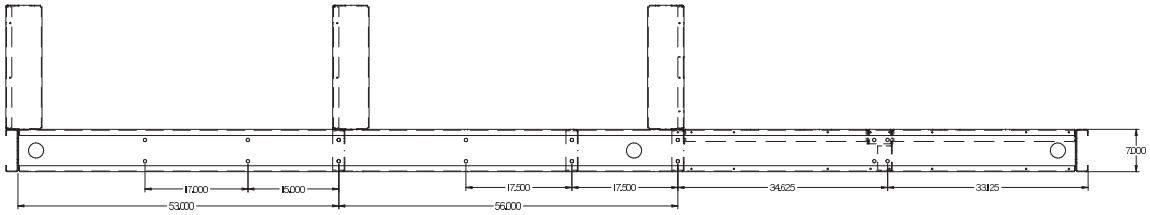
GDF 3.0 SHEET SIZE D

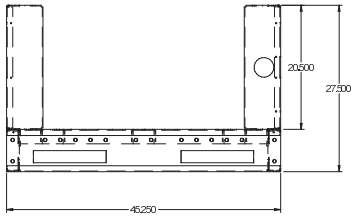
Item Number	Document Number	Title	Quantity
1	E152291	SLD CHNL LATL (174.75")	2
2	900900	SLD CHNL END (45 1/4")	2
3	901100	SLD CHNL XBRACE (41 1/4")	3
4	901400	SLD CHNL COMPR (30 3/8")	6
5	901500	SLD CHNL XBRACE COMPR (41 1/4")	1
6	901700	SLD LEG (20 1/2")	5
7	912800	SLD LEG w/ hole	1

RONALD A. CRIBBS LICENSE No 61034 STATE OF FLORIDA PROFESSIONAL ENGINEER

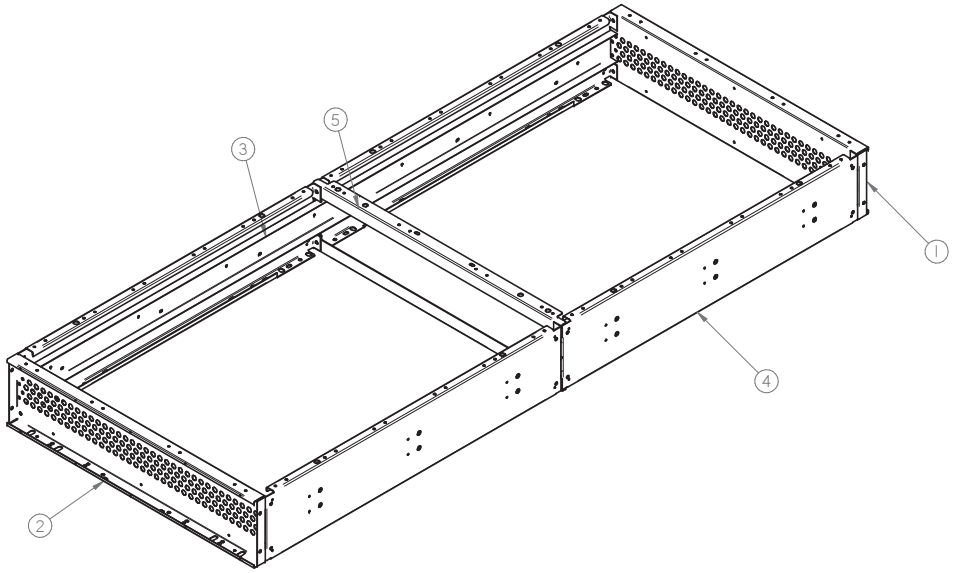








					KRACK CORPORATION
					MATERIAL:
2		NEW 1 PIECE SIDE RAIL	G.B.	11/12/02	DESCRIPTION: Drawing Assy DP DBSX BASE 12
1		RELEASED	G.B.	3/25/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"		THIRD ANGLE PROJECTION			SCALE: / SHEET# / PART NO: 906200
					DRAWN BY: G.B. / DATE: 01/28/02



NUMBER	ITEM	DESCRIPTION	QTY
1	E203413	LEV2 ENDPLT 0.375" 36X4 LH RB	1
2	E203414	LEV2 ENDPLT 0.375" 36X4 RH HDR	1
3	E203421	CHANNEL C 108" 2F LEV2	2
4	E203417	LEV2 COIL BAFFLE	4
5	E203418	LEV2 COIL CROSS SUPT	2
6*	E150966	LEV TRUNCATE TBE SHT 0.375" 4R	22
7*	SSTU08	TUBE SS304 3/80Dx111.63x.012W	8
8*	T06C141170	TUBE CU .375; .014 X 117.000 R	136 (62.73 LB)
9*	FA1003603A05	Fin 1038-36-3 Al-.005NS	108 IN (82.01 LB)

NUMBERS: 6 - 7 - 8 - 9

ITEMS ARE INSTALLED INSIDE OF THE C CHANNEL (NUMBER-3)

RONALD A. CRIBBS LICENSE No 61034 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL ⟨K⟩
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

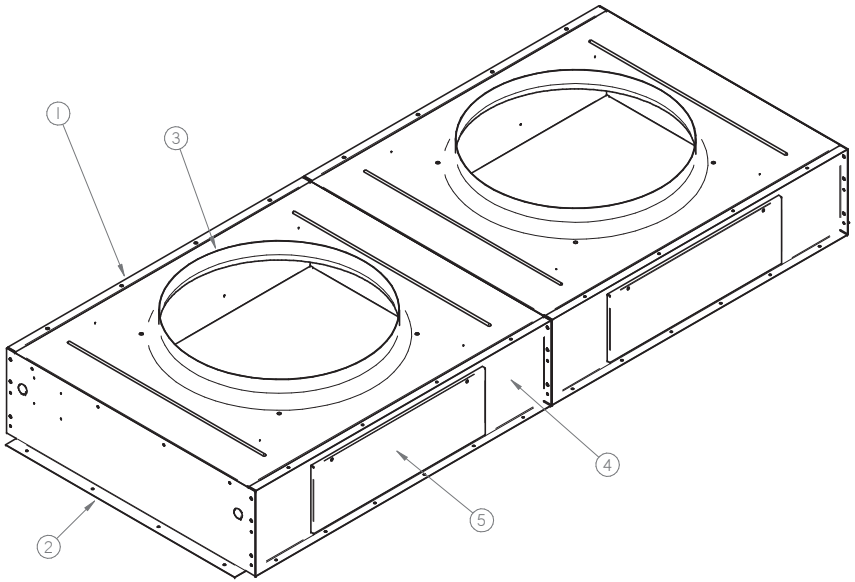
SHEET 1 OF 1

HUSSMANN®

LEV2 COIL 1WIDE 2FAN

P/N LEV2-C1W2F REV A

GDF 3.0 SHEET SIZE D



NUMBER	ITEM	DESCRIPTION	QTY
1	E203581	PLENUM SIDE PANEL	2
2	E203433	PLENUM END/CENTER 1W LEV2	3
3	E87128P	FAN PANEL 30" LEV2 1W & 2W NAR	2
4	E203436	PLENUM SIDE PANEL W/DOOR	2
5	E86121	ACCESS DOOR	2



NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL ⟨K⟩
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

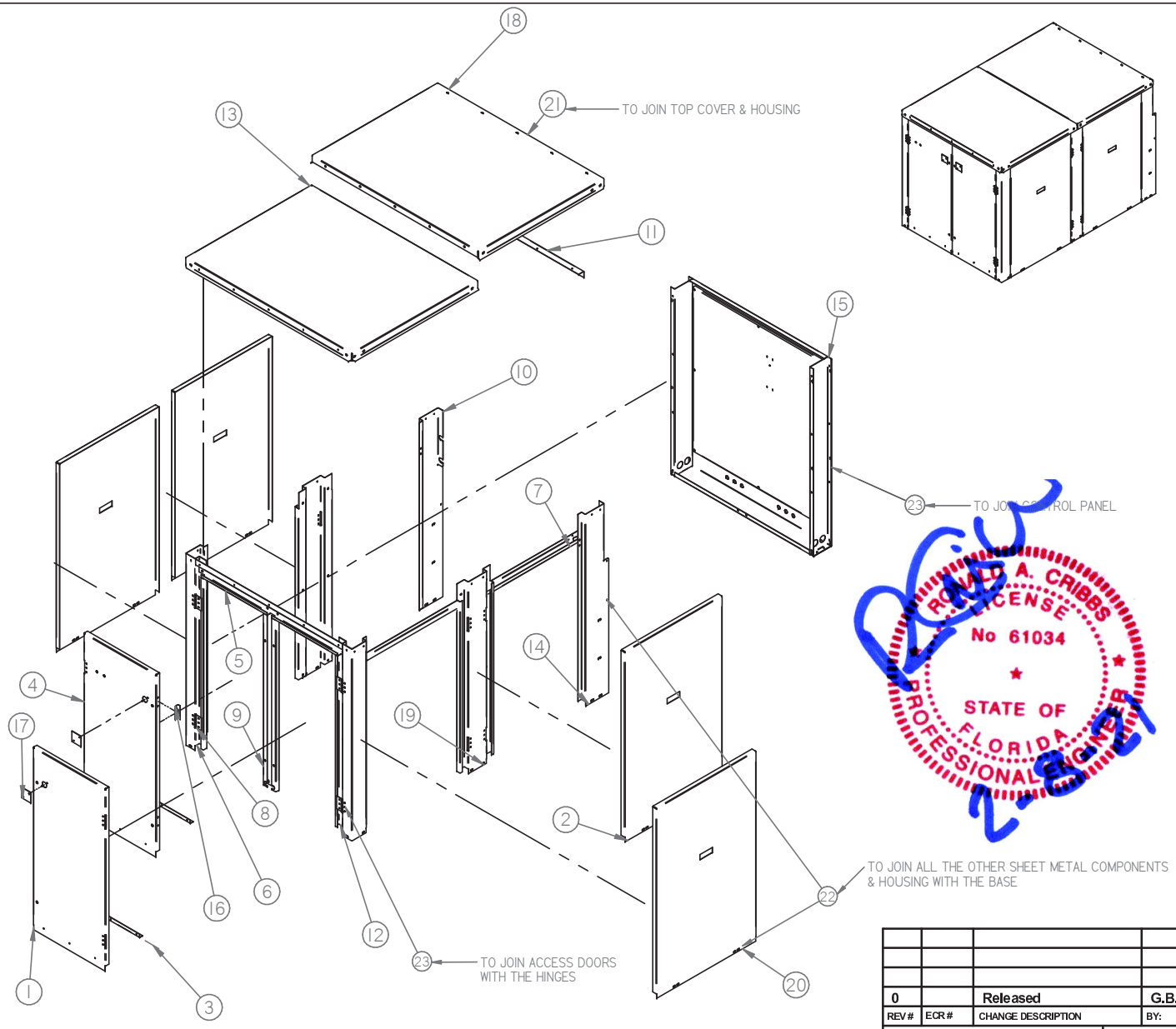
SHEET 1 OF 1

HUSSMANN®

HOUSING 1WIDE 2FANS

P/N LEV2SLDH12 REV A

GDF 3.0 SHEET SIZE D



Item	Part #	Title	Material	QTY.
1	901900	SLD DOOR RH	SG90U ASTM A653 12GA .1084 NOMI	1
10	902801	SLD PNL POST INTR LH	SG90U ASTM A653 12GA .1084 NOMI	1
11	905600	SLD PNL TOP SPRT (1 WIDE)	SG90U ASTM A653 12GA .1084 NOMI	1
12	904702	SLD PNL POST CORNER FR RH	SG90U ASTM A653 12GA .1084 NOMI	1
13	902500	SLD PNL TOP (FT)	SG90U ASTM A653 12GA .1084 NOMI	1
14	902802	SLD PNL POST INTR RH	SG90U ASTM A653 12GA .1084 NOMI	1
15	E152226	SDP CTRLBOX 5 IN ASSY	SEE SPEC	1
16	904800	SLD DOOR SFTY INTLK	0.058 MIN. G90U GALV STEEL	1
17	905500	SLD DOOR COVER PLATE	0.058 MIN. G90U GALV STEEL	2
18	902600	SLD PNL TOP (REAR)	SG90U ASTM A653 12GA .1084 NOMI	1
19	903100	SLD PNL POST CNTR	SG90U ASTM A653 12GA .1084 NOMI	2
2	903501	SLD PNL ACCESS	SG90U ASTM A653 12GA .1084 NOMI	2
20	903500	SLD PNL ACCESS	SG90U ASTM A653 12GA .1084 NOMI	2
21	E312774	10-16X3/4"TEK2 HXWSHR HD SD SW	SEE SPEC	28
22	05385	#14X3/4 TYPE AB HHSMS ZP SCREW	SEE SPEC	70
23	05454	RIVET-0.25 DIA X 0.125-0.375 GRIP	SEE SPEC	38
3	902400	SLD CTRL PNL DOOR SPRT	SG90U ASTM A653 12GA .1084 NOMI	2
4	901800	SLD DOOR LH	SG90U ASTM A653 12GA .1084 NOMI	1
5	904600	SLD PNL POST INTR OF CTR PNL	SG90U ASTM A653 12GA .1084 NOMI	1
6	904701	SLD PNL POST CORNER FR LH	SG90U ASTM A653 12GA .1084 NOMI	1
7	904002	SLD CHNL (MTR WIRE) DEEP	SG90U ASTM A653 12GA .1084 NOMI	1
8	E306001	SLD HINGE 3X3" SS ASSY		4
9	903400	SLD DOOR POST (CNTR)	SG90U ASTM A653 12GA .1084 NOMI	1

REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:
0		Released	G.B.	7/12/02

TOLERANCE: UNLESS OTHERWISE SPECIFIED
ANGULAR: +/- 0.5°
DECIMAL: +/- 0.031"

THIRD ANGLE PROJECTION

KRACK CORPORATION

MATERIAL:

DESCRIPTION: Drawing Assy DP DBSX HSG 1X

MODEL: SLD

JOB NO:

SCALE:

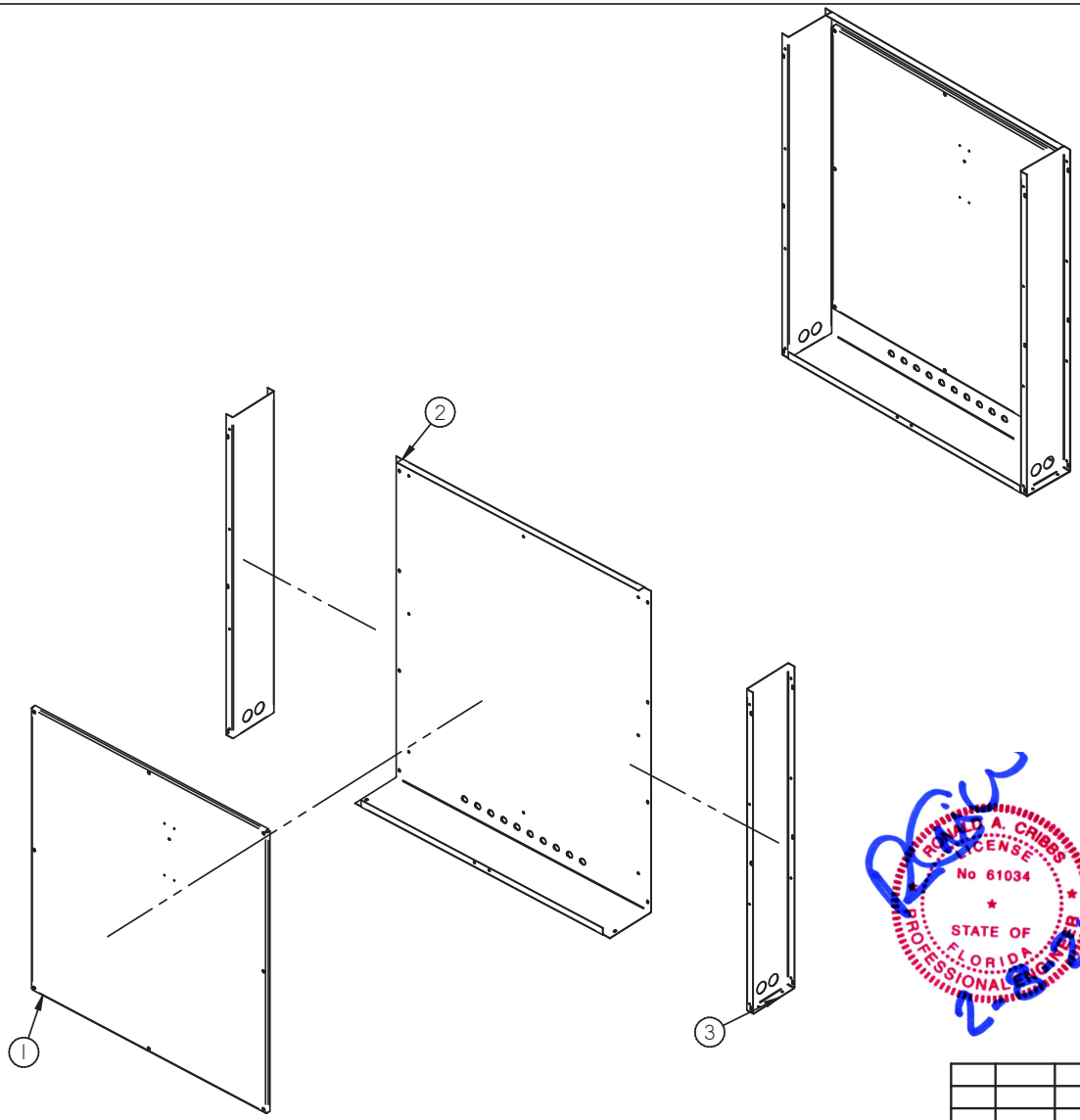
SHEET#

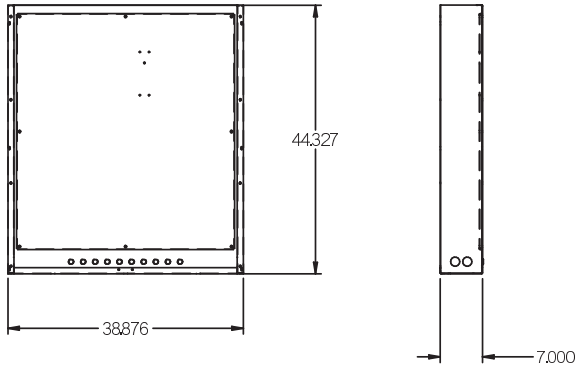
DRAWN BY: G.B.

DATE: 7/12/02

PART NO: HIGHWIND

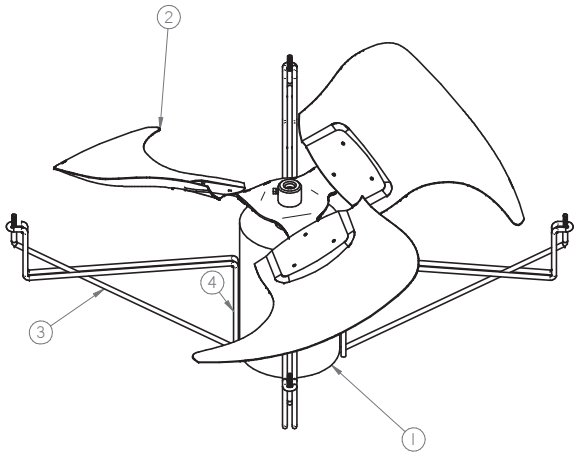
Item	Part #	Title	Material	QTY.
1	902100	SLD CTRL SUB PNL	0.085 MIN. G90U GALV STEEL	1
2	912000	SLD CTRL PNL BOX (DEEP)	0.048 MIN. G90U GALV STEEL	1
3	911900	SLD CTRL PNL BOX SIDE	0.048 MIN. G90U GALV STEEL	2



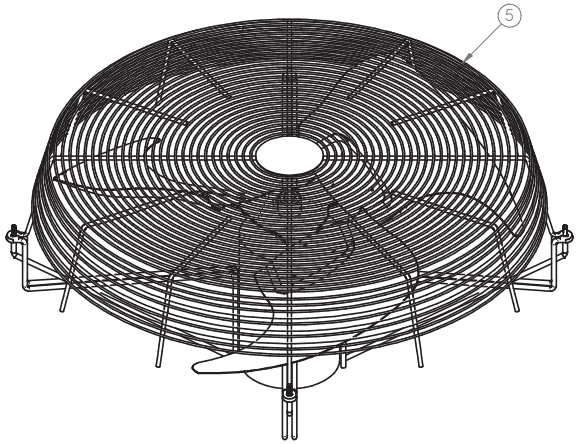


RONALD A. CRIBBS LICENSE No 61034 STATE OF FLORIDA PROFESSIONAL ENGINEER

					KRACK CORPORATION
					MATERIAL:
					DESCRIPTION: SDP CTRLBOX 7IN
0		RELEASED	G.B.	7/15/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"			THIRD ANGLE PROJECTION		SCALE: / SHEET# / PART NO: E152227
					DRAWN BY: G.B. DATE: 7/15/02



NUMBER	ITEM	DESCRIPTION	QTY
1	E205492IN	MOTOR 1.5HP 230/460/60/3/1140	1
2	E205493	30 DIA FAN 24 DEG CW 5/8 BORE	1
3	E280793	MOTOR BRACKET	2
4	80034	MOTOR RING 56 FRAME LEV-SM	1
5	E280792	FAN GUARD 30" LEV-SM-PC	1





NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

SHEET 1 OF 1

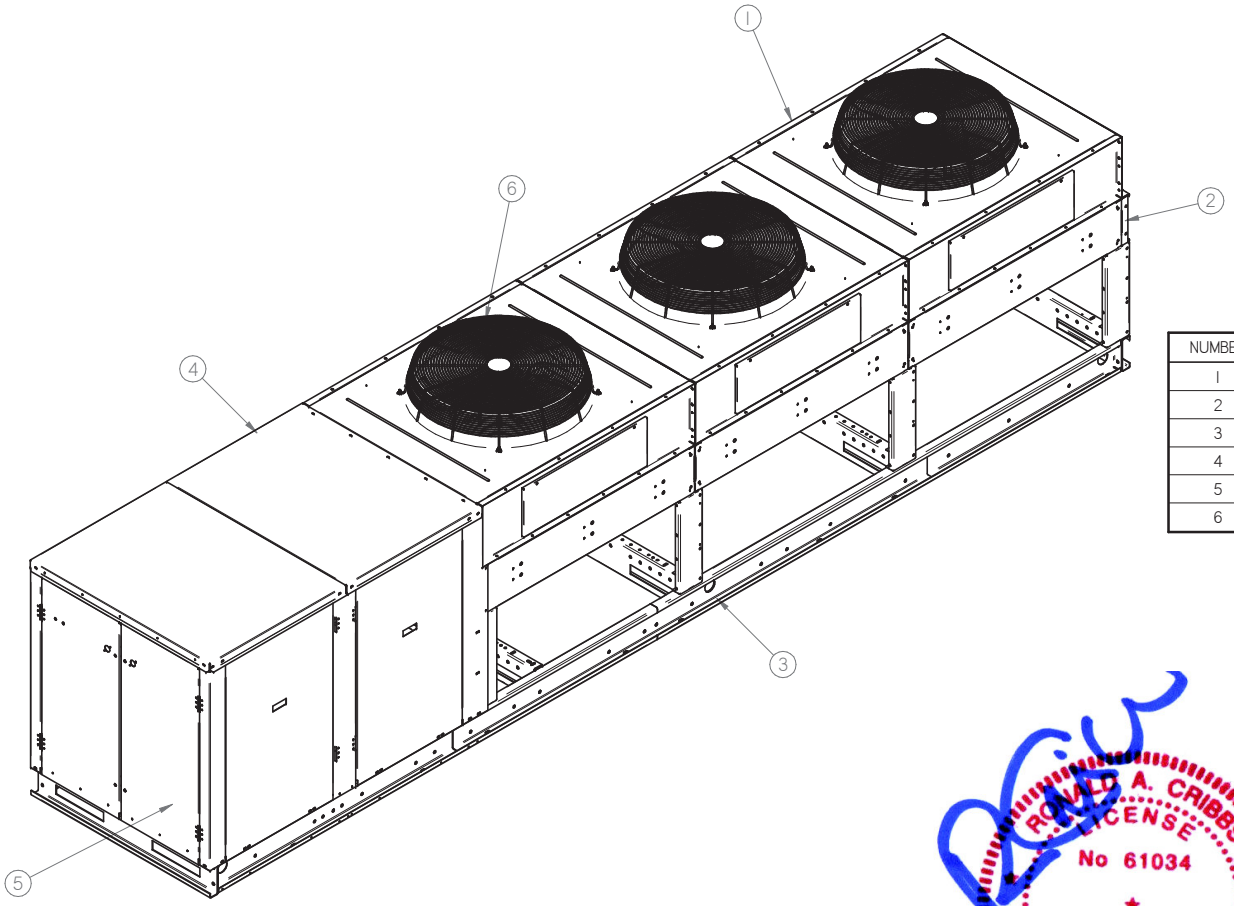
HUSSMANN®

MOTOR ASSY SLD 1.5HP 1140 230/

P/N E110883001 REV A

GDF 3.0 SHEET SIZE D

REVISION HISTORY						
REV	ECN	DATE	REVISION DESCRIPTION	REV BY	CHKD BY	APPR BY
A		1/22/21	INITIAL RELEASED	JS	JS	JS



NUMBER	ITEM	DESCRIPTION	QTY
1	LEV2SLDH14	HOUSING 1WIDE 3FAN	1
2	LEV2-C1W3F	LEV2 COIL 1WIDE 3FAN	1
3	DPDBSXBAS2	Base; D Semi-Herm 3 Fans	1
4	DPDBSXHSG1	HOUSING; D SEMI-HERM 1 FAN WIDE	1
5	SDP CTRLBOX 7IN	CNTRLBOX; 7 INCH DEEP SLD	1
6	E110883001	MOTOR ASSY SLD 1.5HP 1140 230/	3



NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

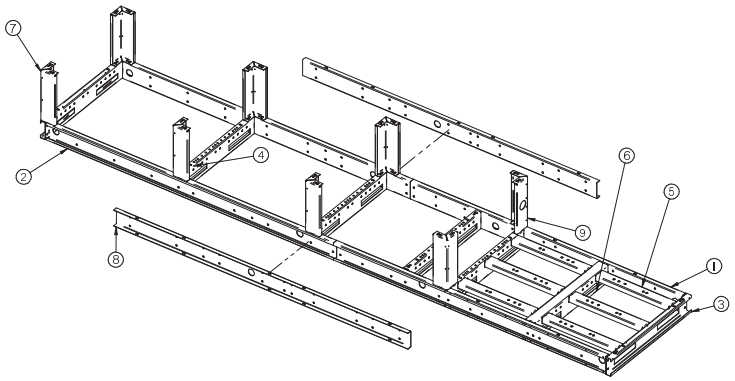
SHEET 1 OF 1

HUSSMANN®

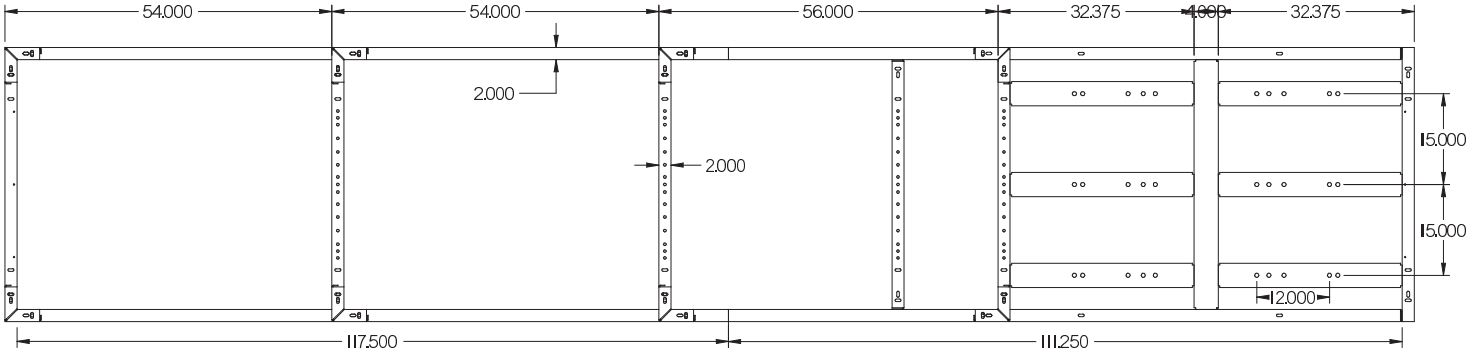
CD-13

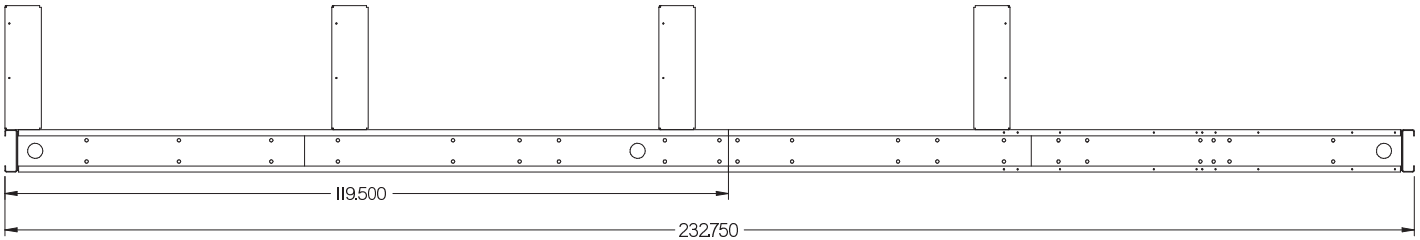
P/N CD-13 REV A

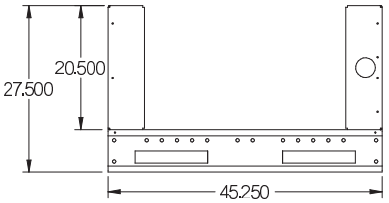
GDF 3.0 SHEET SIZE D



Item Number	Document Number	Title	Material	Quantity
1	900600	SLD CHNL LATL (111 1/4)	0.115 MIN. G90U GALV STEEL	2
2	900800	SLD CHNL LATL (117 1/2)	0.115 MIN. G90U GALV STEEL	2
3	900900	SLD CHNL END (45 1/4")	0.115 MIN. G90U GALV STEEL	2
4	901100	SLD CHNL XBRACE (41 1/4")	0.115 MIN. G90U GALV STEEL	4
5	901400	SLD CHNL COMPR (30 3/8")	0.115 MIN. G90U GALV STEEL	6
6	901500	SLD CHNL XBRACE COMPR (41 1/4")	0.115 MIN. G90U GALV STEEL	1
7	901700	SLD LEG (20 1/2")	0.115 MIN. G90U GALV STEEL	7
8	905000	SLD CHNL SPRT LATL (120")	0.115 MIN. G90U GALV STEEL	2
9	912800	SLD LEG w/ hole	0.115 MIN. G90U GALV STEEL	1

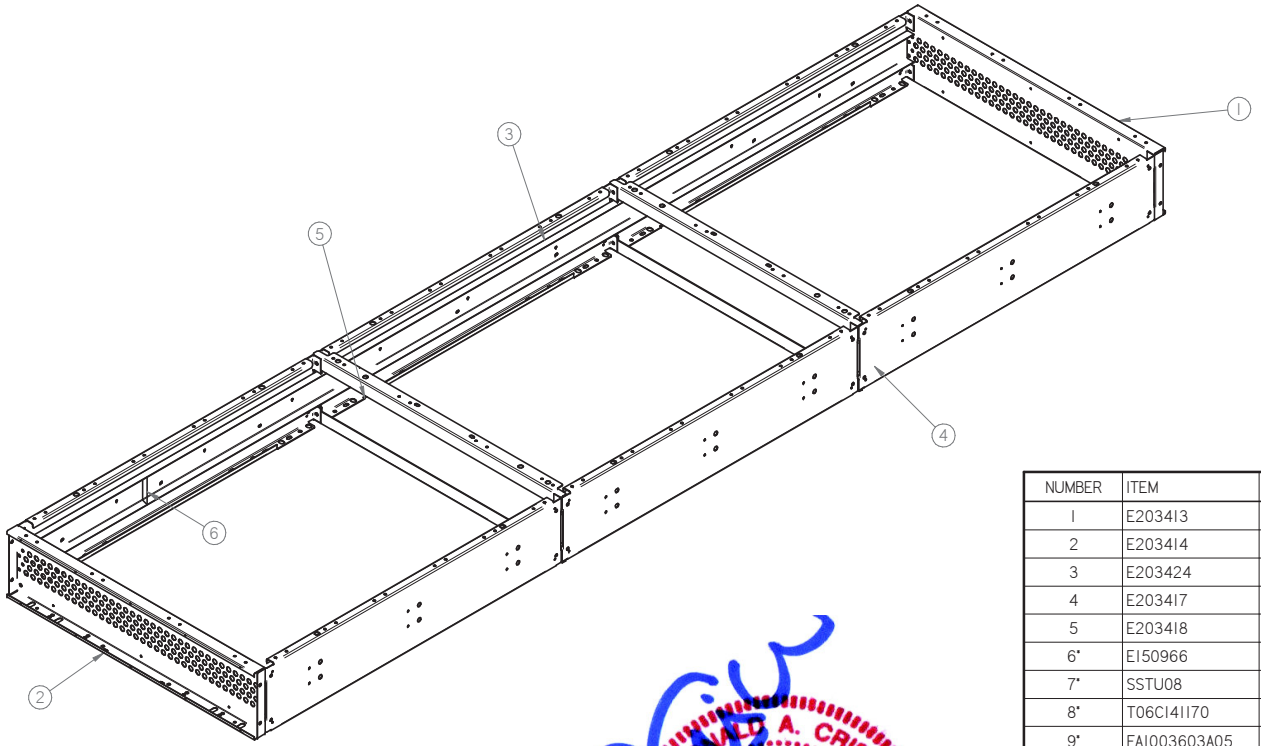








					KRACK CORPORATION
					MATERIAL:
					DESCRIPTION: Drawing Assy DP DBSX BASE 13
1		RELEASED	G.B.	2/8/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"		THIRD ANGLE PROJECTION			SCALE: / SHEET# / PART NO: 906300
					DRAWN BY: G.B. / DATE: 01/28/02



NUMBER	ITEM	DESCRIPTION	MATERIAL	QTY
1	E203413	LEV2 ENDPLT 0.375" 36X4 LH RB	SG90U .058 (.0635 NOM) 40X120	1
2	E203414	LEV2 ENDPLT 0.375" 36X4 RH HDR	SG90U .058 (.0635 NOM) 40X120	1
3	E203424	LEV2 C CHANNEL 162" 3F	SG90U .048 (.0516 NOM) 48X165	2
4	E203417	LEV2 COIL BAFFLE	42X57 .085 G90U GALV. SHT	6
5	E203418	LEV2 COIL CROSS SUPT	SG90U .085 (13GA .0934) 52X120	4
6*	E150966	LEV TRUNCATE TBE SHT 0.375" 4R	SG90U .058 (.0635 NOM) 40X120	32
7*	SSTU08	TUBE SS304 3/8ODx111.63x.012W	TUBE SS 3/8	8
8*	T06C141170	TUBE CU .375; .014 X 117.000 R	TUBE CU 3/8	136 (62.73 LB)
9*	FA1003603A05	Fin 1038-36-3 Al-.005NS	AL .005	108 IN (82.01 LB)

NUMBERS: 6 - 7 - 8 - 9

ITEMS ARE INSTALLED INSIDE OF THE C CHANNEL (NUMBER-3)

RONALD A. CRIBBS LICENSE No 61034 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL ◈
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

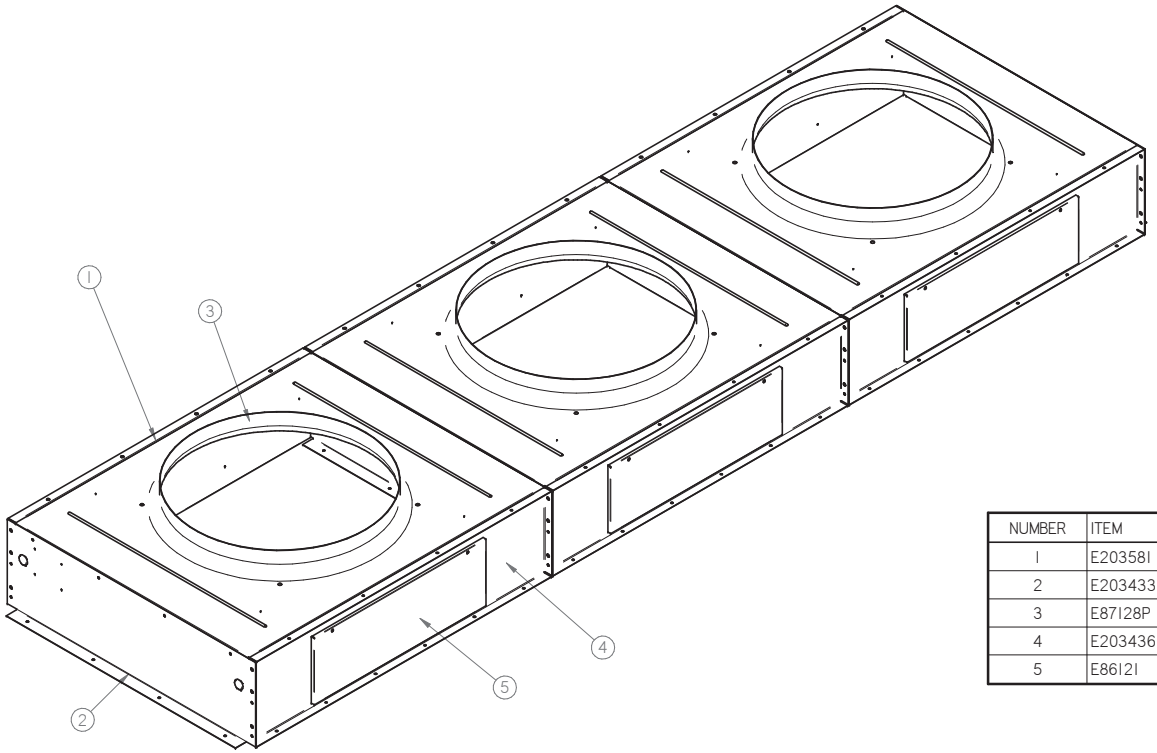
SHEET 1 OF 1

HUSSMANN®

LEV2 COIL 1WIDE 3FAN

P/N LEV2-C1W3F REV A

GDF 3.0 SHEET SIZE D



NUMBER	ITEM	DESCRIPTION	QTY
1	E203581	PLENUM SIDE PANEL	3
2	E203433	PLENUM END/CENTER 1W LEV2	4
3	E87128P	FAN PANEL 30" LEV2 1W & 2W NAR	3
4	E203436	PLENUM SIDE PANEL W/DOOR	3
5	E86121	ACCESS DOOR	3

RONALD A. CRIBBS LICENSE No 61034 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

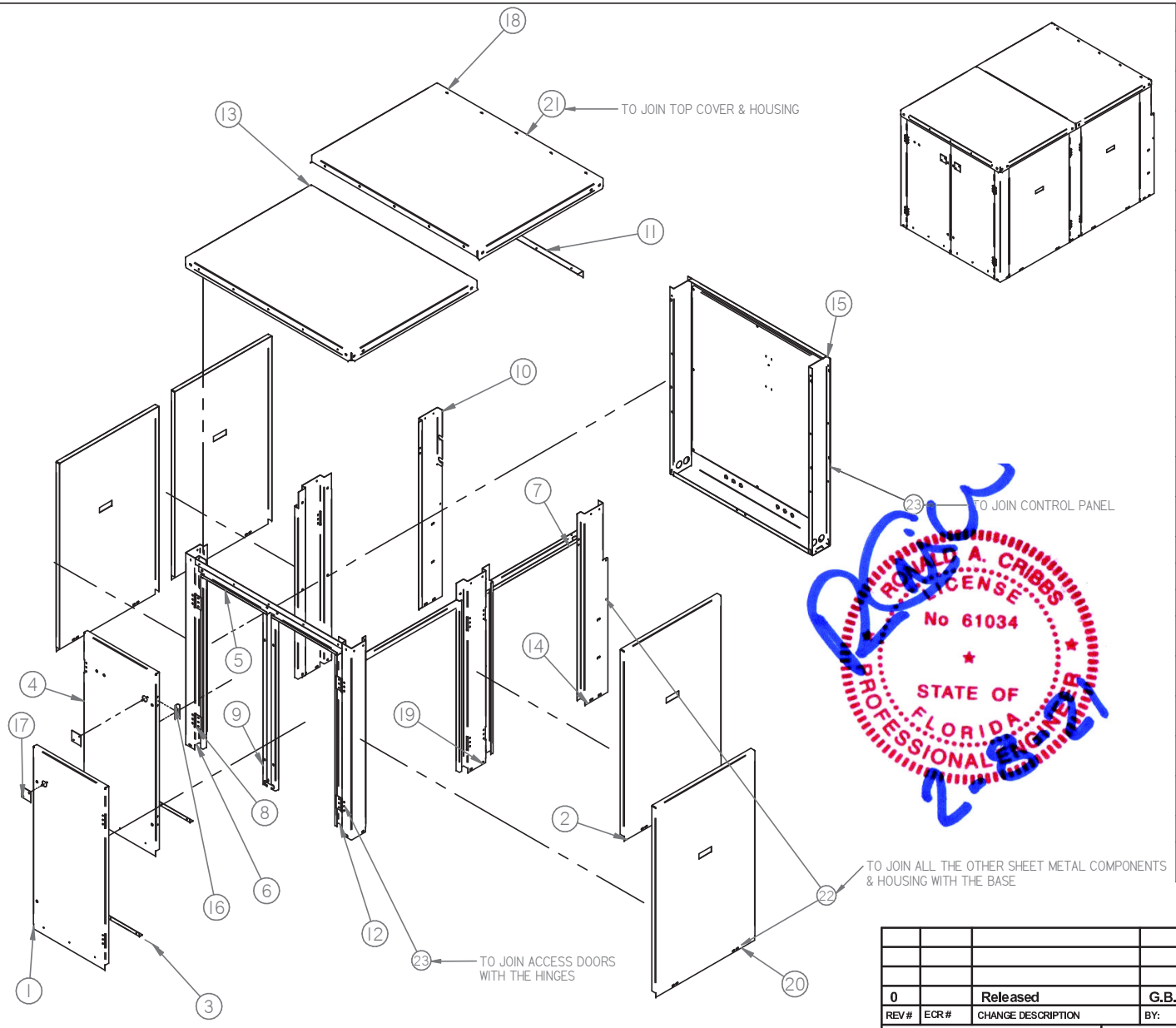
SHEET 1 OF 1

HUSSMANN®

HOUSING 1WIDE 3FANS

P/N LEV2SLDH14 REV A

GDF 3.0 SHEET SIZE D



Item	Part #	Title	Material	QTY.
1	901900	SLD DOOR RH	SG90U ASTM A653 12GA .1084 NOMI	1
10	902801	SLD PNL POST INTR LH	SG90U ASTM A653 12GA .1084 NOMI	1
11	905600	SLD PNL TOP SPRT (1 WIDE)	SG90U ASTM A653 12GA .1084 NOMI	1
12	904702	SLD PNL POST CORNER FR RH	SG90U ASTM A653 12GA .1084 NOMI	1
13	902500	SLD PNL TOP (FT)	SG90U ASTM A653 12GA .1084 NOMI	1
14	902802	SLD PNL POST INTR RH	SG90U ASTM A653 12GA .1084 NOMI	1
15	E152226	SDP CTRLBOX 5 IN ASSY	SEE SPEC	1
16	904800	SLD DOOR SFTY INTLK	0.058 MIN. G90U GALV STEEL	1
17	905500	SLD DOOR COVER PLATE	0.058 MIN. G90U GALV STEEL	2
18	902600	SLD PNL TOP (REAR)	SG90U ASTM A653 12GA .1084 NOMI	1
19	903100	SLD PNL POST CNTR	SG90U ASTM A653 12GA .1084 NOMI	2
2	903501	SLD PNL ACCESS	SG90U ASTM A653 12GA .1084 NOMI	2
20	903500	SLD PNL ACCESS	SG90U ASTM A653 12GA .1084 NOMI	2
21	E312774	10-16X3/4"TEK2 HXWSHR HD SD SW	SEE SPEC	28
22	05385	#14X3/4 TYPE AB HHSMS ZP SCREW	SEE SPEC	70
23	05454	RIVET-0.25 DIA X 0.125-0.375 GRIP	SEE SPEC	38
3	902400	SLD CTRL PNL DOOR SPRT	SG90U ASTM A653 12GA .1084 NOMI	2
4	901800	SLD DOOR LH	SG90U ASTM A653 12GA .1084 NOMI	1
5	904600	SLD PNL POST INTR OF CTR PNL	SG90U ASTM A653 12GA .1084 NOMI	1
6	904701	SLD PNL POST CORNER FR LH	SG90U ASTM A653 12GA .1084 NOMI	1
7	904002	SLD CHNL (MTR WIRE) DEEP	SG90U ASTM A653 12GA .1084 NOMI	1
8	E306001	SLD HINGE 3X3" SS ASSY		4
9	903400	SLD DOOR POST (CNTR)	SG90U ASTM A653 12GA .1084 NOMI	1

REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:
0		Released	G.B.	7/12/02

TOLERANCE: UNLESS OTHERWISE SPECIFIED
ANGULAR: +/- 0.5°
DECIMAL: +/- 0.031"

THIRD ANGLE PROJECTION

KRACK CORPORATION

MATERIAL:

DESCRIPTION: Drawing Assy DP DBSX HSG 1X

MODEL: SLD

JOB NO:

SCALE:

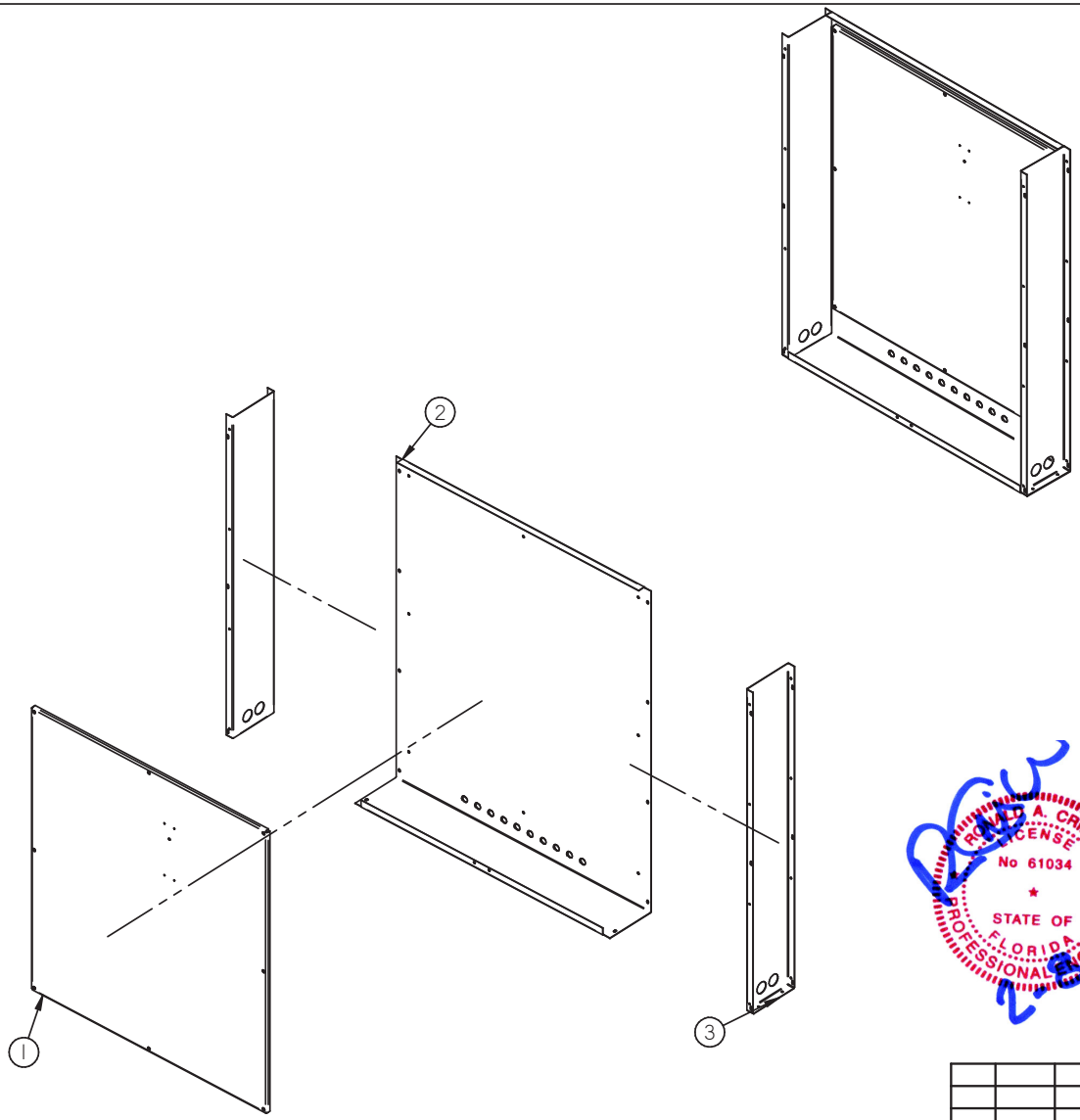
SHEET#

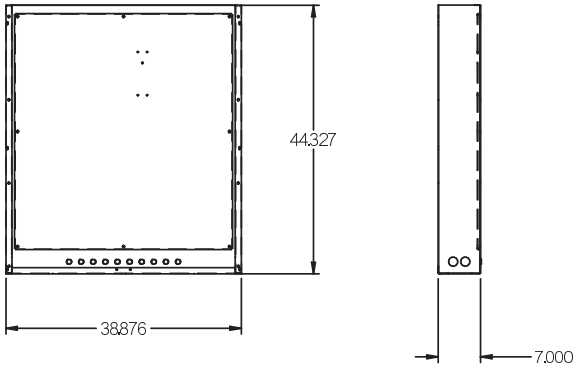
DRAWN BY: G.B.

DATE: 7/12/02

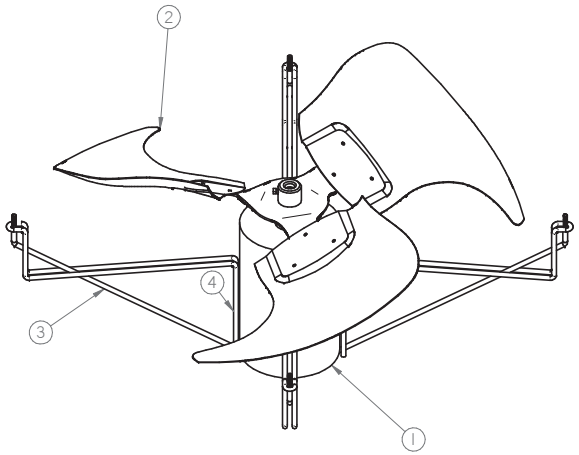
PART NO: HIGHWIND

Item	Part #	Title	Material	QTY.
1	902100	SLD CTRL SUB PNL	0.085 MIN. G90U GALV STEEL	1
2	912000	SLD CTRL PNL BOX (DEEP)	0.048 MIN. G90U GALV STEEL	1
3	911900	SLD CTRL PNL BOX SIDE	0.048 MIN. G90U GALV STEEL	2

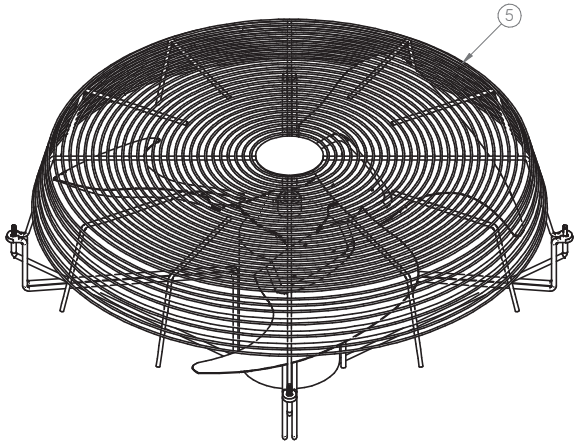




					KRACK CORPORATION
					MATERIAL:
					DESCRIPTION: SDP CTRLBOX 7IN
0		RELEASED	G.B.	7/15/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"			THIRD ANGLE PROJECTION		SCALE: / SHEET# / PART NO: E152227
					DRAWN BY: G.B. DATE: 7/15/02



NUMBER	ITEM	DESCRIPTION	QTY
1	E205492IN	MOTOR 1.5HP 230/460/60/3/1140	1
2	E205493	30 DIA FAN 24 DEG CW 5/8 BORE	1
3	E280793	MOTOR BRACKET	2
4	80034	MOTOR RING 56 FRAME LEV-SM	1
5	E280792	FAN GUARD 30" LEV-SM-PC	1





NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

SHEET 1 OF 1

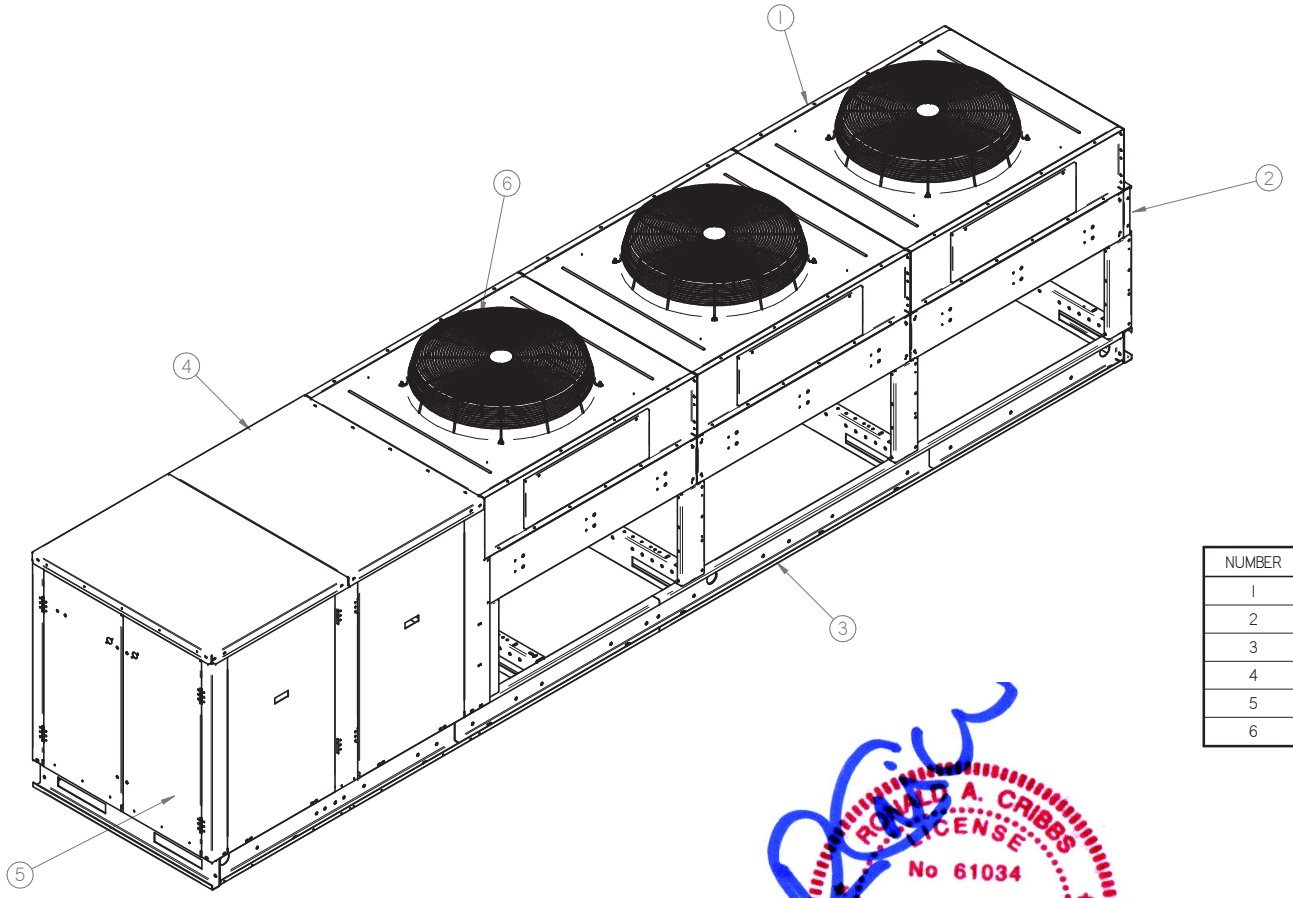
HUSSMANN®

MOTOR ASSY SLD 1.5HP 1140 230/

P/N E110883001 REV A

GDF 3.0 SHEET SIZE D

REVISION HISTORY						
REV	ECN	DATE	REVISION DESCRIPTION	REV BY	CHKD BY	APPR BY
A		1/22/21	INITIAL RELEASED	JS	JS	JS



NUMBER	ITEM	DESCRIPTION	QTY
1	LEV2SLDH14	HOUSING 1WIDE 3FAN	1
2	LEV2-C1W3F	LEV2 COIL 1WIDE 3FAN	1
3	DPDBSXBAS2	Base; D Semi-Herm 3 Fans	1
4	DPDBSXHSG1	HOUSING; D SEMI-HERM 1 FAN WIDE	1
5	SDP CTRLBOX 7IN	CNTRLBOX; 7 INCH DEEP SLD	1
6	E110883001	MOTOR ASSY SLD 1.5HP 1140 230/	3

RONALD A. CRIBBS
LICENSE
No 61034
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

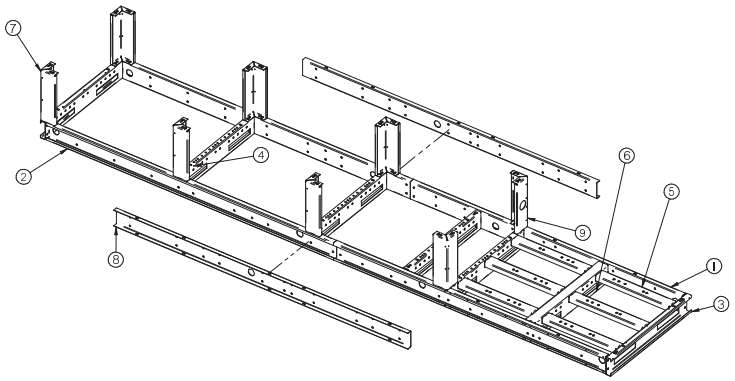
SHEET 1 OF 1

HUSSMANN®

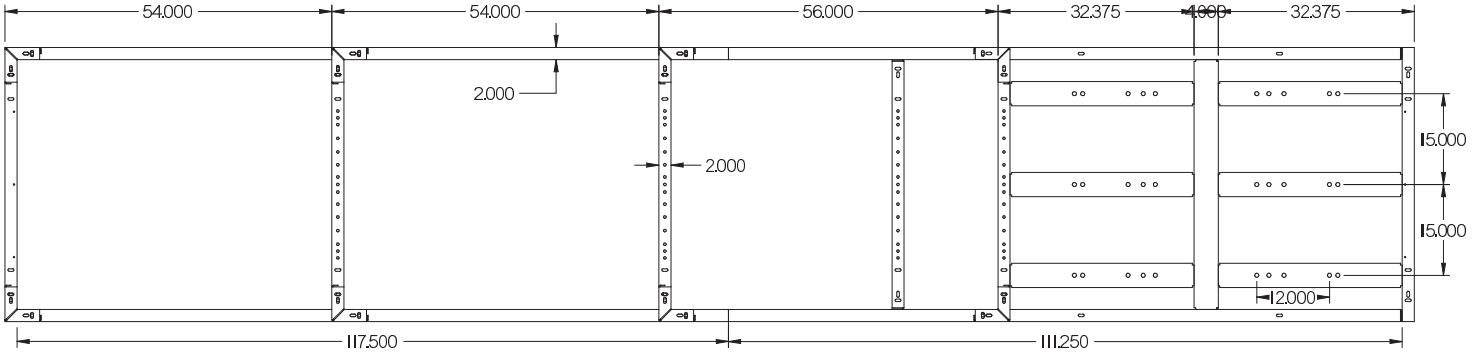
CP-13

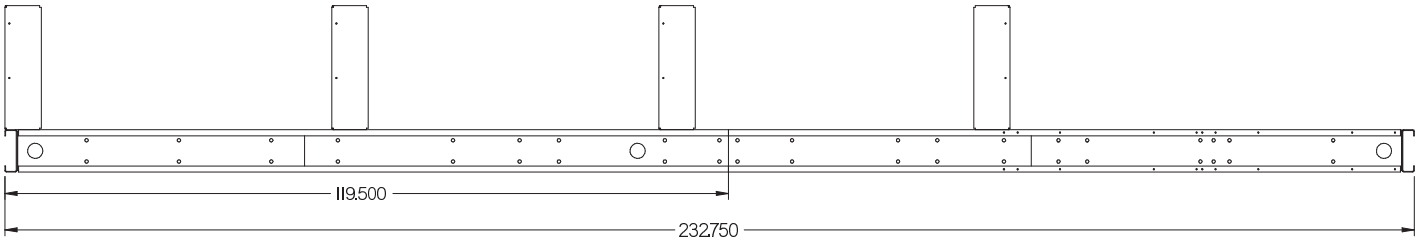
P/N CP-13 REV A

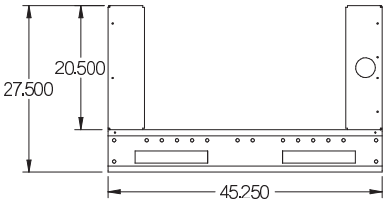
GDF 3.0 SHEET SIZE D



Item Number	Document Number	Title	Material	Quantity
1	900600	SLD CHNL LATL (111 1/4)	0.115 MIN. G90U GALV STEEL	2
2	900800	SLD CHNL LATL (117 1/2)	0.115 MIN. G90U GALV STEEL	2
3	900900	SLD CHNL END (45 1/4")	0.115 MIN. G90U GALV STEEL	2
4	901100	SLD CHNL XBRACE (41 1/4")	0.115 MIN. G90U GALV STEEL	4
5	901400	SLD CHNL COMPR (30 3/8")	0.115 MIN. G90U GALV STEEL	6
6	901500	SLD CHNL XBRACE COMPR (41 1/4")	0.115 MIN. G90U GALV STEEL	1
7	901700	SLD LEG (20 1/2")	0.115 MIN. G90U GALV STEEL	7
8	905000	SLD CHNL SPRT LATL (120")	0.115 MIN. G90U GALV STEEL	2
9	912800	SLD LEG w/ hole	0.115 MIN. G90U GALV STEEL	1

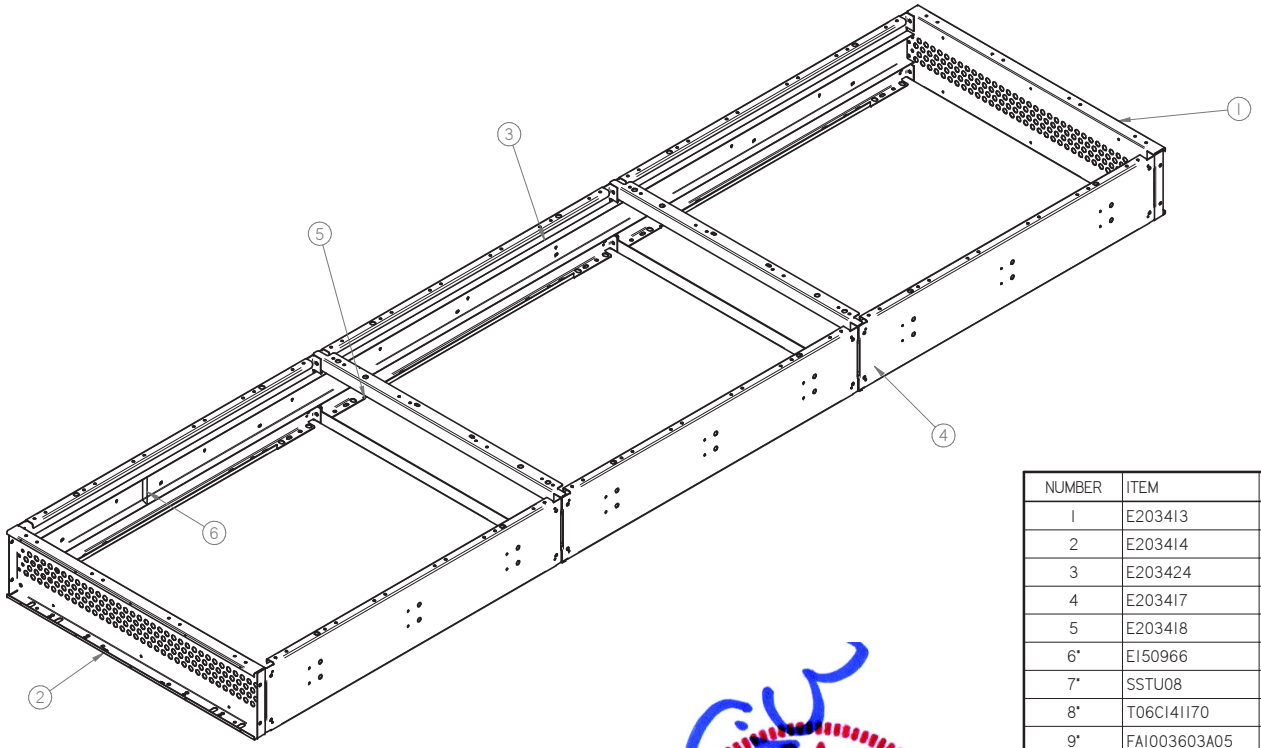






RONALD A. CRIBBS LICENSE No 61034 STATE OF FLORIDA PROFESSIONAL ENGINEER

					KRACK CORPORATION
					MATERIAL:
					DESCRIPTION: Drawing Assy DP DBSX BASE 13
1		RELEASED	G.B.	2/8/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"		THIRD ANGLE PROJECTION			SCALE: / SHEET# / PART NO: 906300
					DRAWN BY: G.B. / DATE: 01/28/02



NUMBER	ITEM	DESCRIPTION	MATERIAL	QTY
1	E203413	LEV2 ENDPLT 0.375" 36X4 LH RB	SG90U .058 (.0635 NOM) 40X120	1
2	E203414	LEV2 ENDPLT 0.375" 36X4 RH HDR	SG90U .058 (.0635 NOM) 40X120	1
3	E203424	LEV2 C CHANNEL 162" 3F	SG90U .048 (.0516 NOM) 48X165	2
4	E203417	LEV2 COIL BAFFLE	42X57 .085 G90U GALV. SHT	6
5	E203418	LEV2 COIL CROSS SUPT	SG90U .085 (13GA .0934) 52X120	4
6*	E150966	LEV TRUNCATE TBE SHT 0.375" 4R	SG90U .058 (.0635 NOM) 40X120	32
7*	SSTU08	TUBE SS304 3/8ODx111.63x.012W	TUBE SS 3/8	8
8*	T06C141170	TUBE CU .375; .014 X 117.000 R	TUBE CU 3/8	136 (62.73 LB)
9*	FA1003603A05	Fin 1038-36-3 Al-.005NS	AL .005	108 IN (82.01 LB)

NUMBERS: 6 - 7 - 8 - 9

ITEMS ARE INSTALLED INSIDE OF THE C CHANNEL (NUMBER-3)

RONALD A. CRIBBS LICENSE No 61034 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL ◈
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

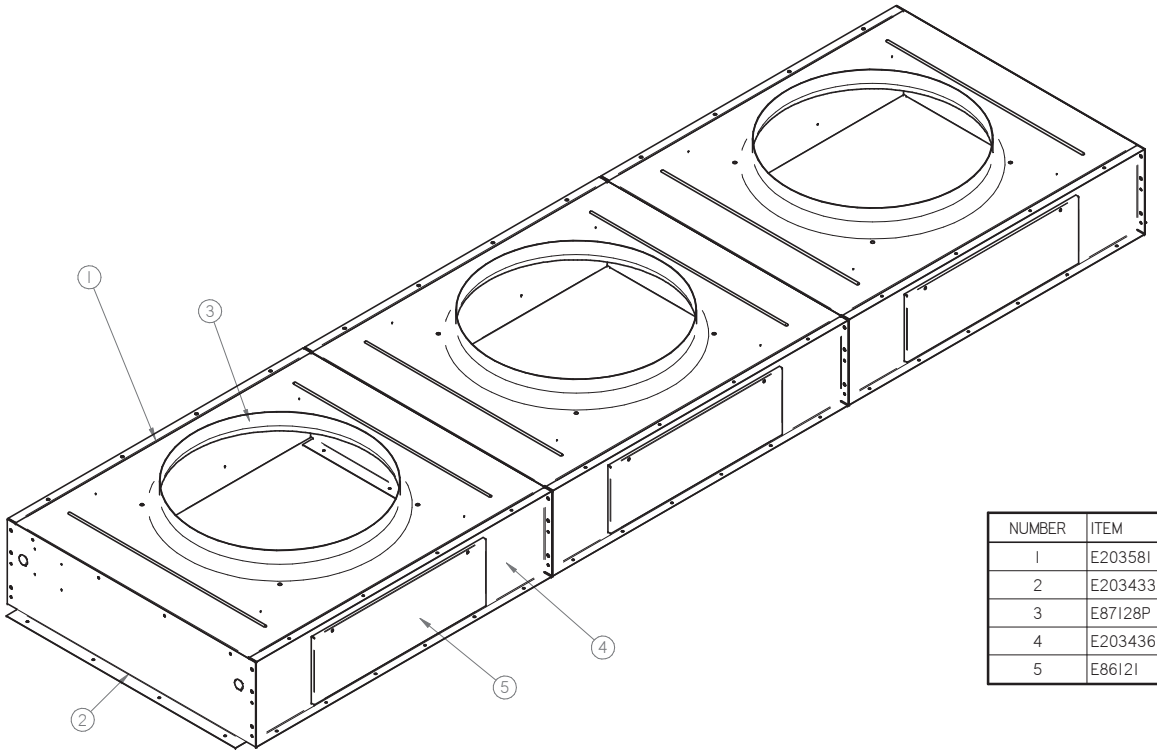
SHEET 1 OF 1

HUSSMANN®

LEV2 COIL 1WIDE 3FAN

P/N LEV2-C1W3F REV A

GDF 3.0 SHEET SIZE D



NUMBER	ITEM	DESCRIPTION	QTY
1	E203581	PLENUM SIDE PANEL	3
2	E203433	PLENUM END/CENTER 1W LEV2	4
3	E87128P	FAN PANEL 30" LEV2 1W & 2W NAR	3
4	E203436	PLENUM SIDE PANEL W/DOOR	3
5	E86121	ACCESS DOOR	3

RONALD A. CRIBBS LICENSE No 61034 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

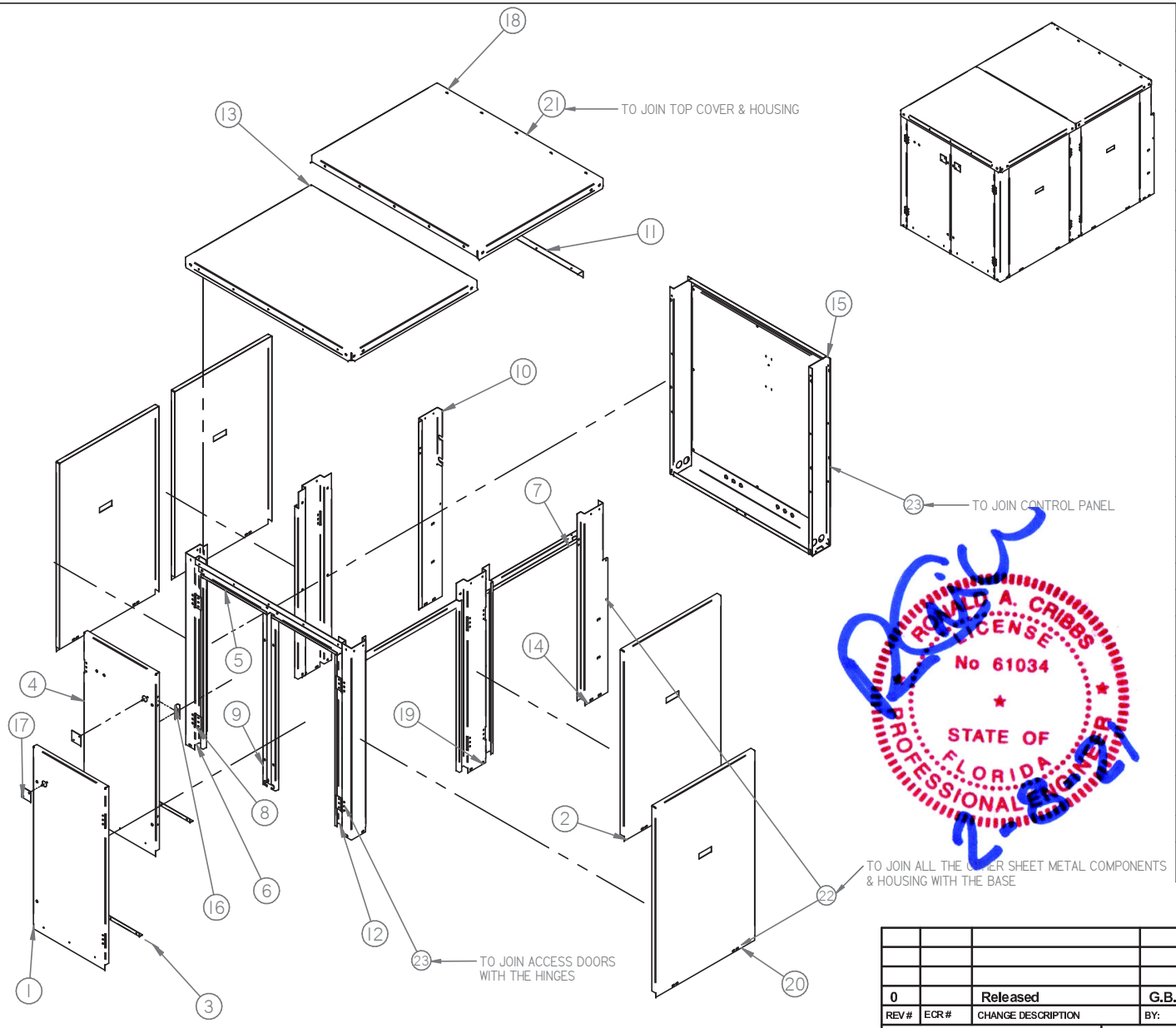
SHEET 1 OF 1

HUSSMANN®

HOUSING 1WIDE 3FANS

P/N LEV2SLDH14 REV A

GDF 3.0 SHEET SIZE D



Item	Part #	Title	Material	QTY.
1	901900	SLD DOOR RH	SG90U ASTM A653 12GA .1084 NOMI	1
10	902801	SLD PNL POST INTR LH	SG90U ASTM A653 12GA .1084 NOMI	1
11	905600	SLD PNL TOP SPRT (1 WIDE)	SG90U ASTM A653 12GA .1084 NOMI	1
12	904702	SLD PNL POST CORNER FR RH	SG90U ASTM A653 12GA .1084 NOMI	1
13	902500	SLD PNL TOP (FT)	SG90U ASTM A653 12GA .1084 NOMI	1
14	902802	SLD PNL POST INTR RH	SG90U ASTM A653 12GA .1084 NOMI	1
15	E152226	SDP CTRLBOX 5 IN ASSY	SEE SPEC	1
16	904800	SLD DOOR SFTY INTLK	0.058 MIN. G90U GALV STEEL	1
17	905500	SLD DOOR COVER PLATE	0.058 MIN. G90U GALV STEEL	2
18	902600	SLD PNL TOP (REAR)	SG90U ASTM A653 12GA .1084 NOMI	1
19	903100	SLD PNL POST CNTR	SG90U ASTM A653 12GA .1084 NOMI	2
2	903501	SLD PNL ACCESS	SG90U ASTM A653 12GA .1084 NOMI	2
20	903500	SLD PNL ACCESS	SG90U ASTM A653 12GA .1084 NOMI	2
21	E312774	10-16X3/4"TEK2 HXWSHR HD SD SW	SEE SPEC	28
22	05385	#14X3/4 TYPE AB HHSMS ZP SCREW	SEE SPEC	70
23	05454	RIVET-0.25 DIA X 0.125-0.375 GRIP	SEE SPEC	38
3	902400	SLD CTRL PNL DOOR SPRT	SG90U ASTM A653 12GA .1084 NOMI	2
4	901800	SLD DOOR LH	SG90U ASTM A653 12GA .1084 NOMI	1
5	904600	SLD PNL POST INTR OF CTR PNL	SG90U ASTM A653 12GA .1084 NOMI	1
6	904701	SLD PNL POST CORNER FR LH	SG90U ASTM A653 12GA .1084 NOMI	1
7	904002	SLD CHNL (MTR WIRE) DEEP	SG90U ASTM A653 12GA .1084 NOMI	1
8	E306001	SLD HINGE 3X3" SS ASSY		4
9	903400	SLD DOOR POST (CNTR)	SG90U ASTM A653 12GA .1084 NOMI	1

REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:
0		Released	G.B.	7/12/02

TOLERANCE: UNLESS OTHERWISE SPECIFIED
ANGULAR: +/- 0.5°
DECIMAL: +/- 0.031"

THIRD ANGLE PROJECTION

KRACK CORPORATION

MATERIAL:

DESCRIPTION: Drawing Assy DP DBSX HSG 1X

MODEL: SLD

JOB NO:

SCALE:

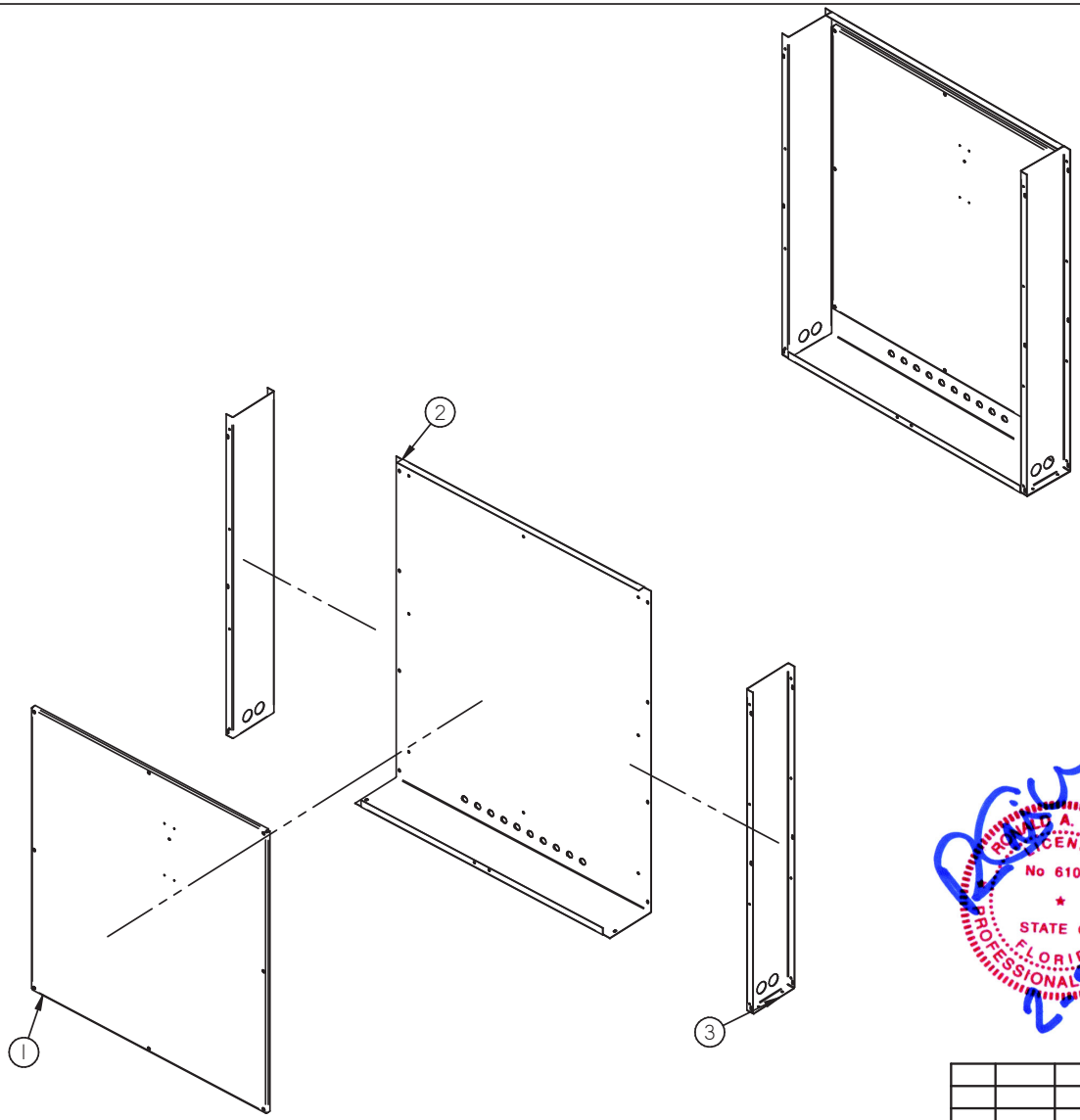
SHEET#

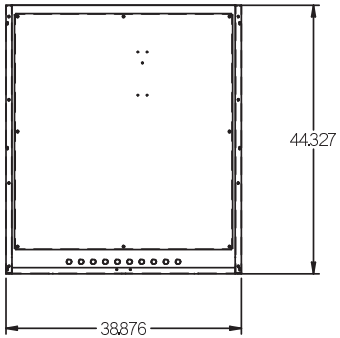
DRAWN BY: G.B.

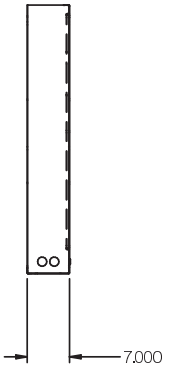
DATE: 7/12/02

PART NO: HIGHWIND

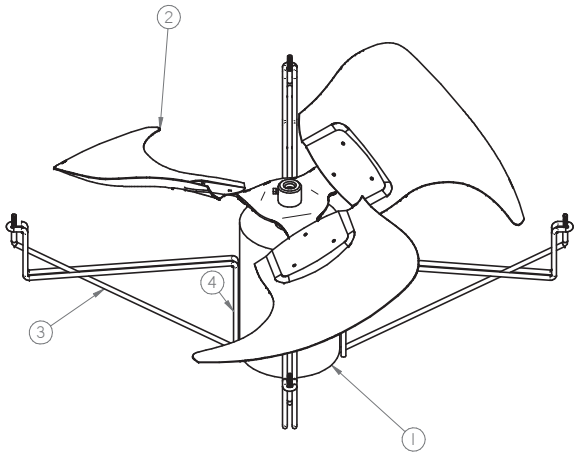
Item	Part #	Title	Material	QTY.
1	902100	SLD CTRL SUB PNL	0.085 MIN. G90U GALV STEEL	1
2	912000	SLD CTRL PNL BOX (DEEP)	0.048 MIN. G90U GALV STEEL	1
3	911900	SLD CTRL PNL BOX SIDE	0.048 MIN. G90U GALV STEEL	2



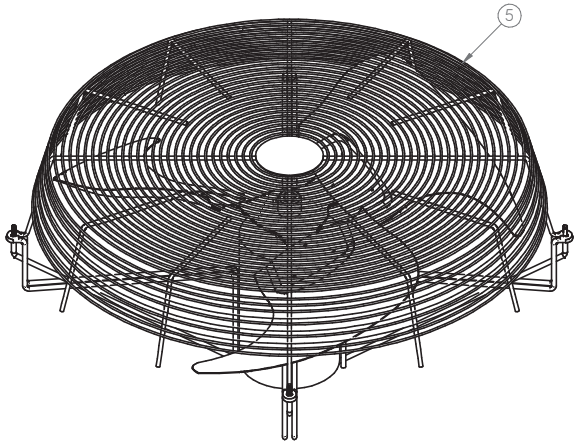




					KRACK CORPORATION
					MATERIAL:
					DESCRIPTION: SDP CTRLBOX 7IN
0		RELEASED	G.B.	7/15/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"		THIRD ANGLE PROJECTION			SCALE: / SHEET# / PART NO: E152227 DRAWN BY: G.B. / DATE: 7/15/02



NUMBER	ITEM	DESCRIPTION	QTY
1	E205492IN	MOTOR 1.5HP 230/460/60/3/1140	1
2	E205493	30 DIA FAN 24 DEG CW 5/8 BORE	1
3	E280793	MOTOR BRACKET	2
4	80034	MOTOR RING 56 FRAME LEV-SM	1
5	E280792	FAN GUARD 30" LEV-SM-PC	1





NOTES:
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3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

SHEET 1 OF 1

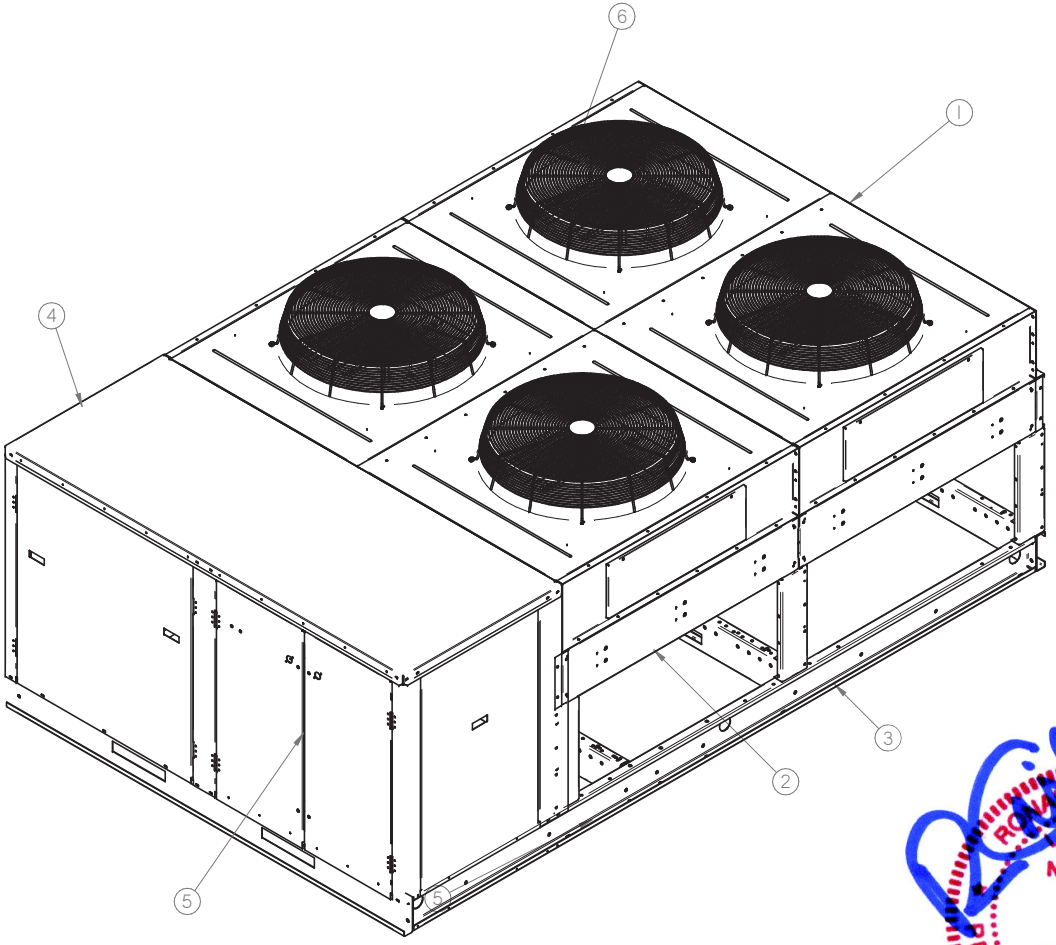
HUSSMANN®

MOTOR ASSY SLD 1.5HP 1140 230/

P/N E110883001 REV A

GDF 3.0 SHEET SIZE D

REVISION HISTORY						
REV	ECN	DATE	REVISION DESCRIPTION	REV BY	CHKD BY	APPR BY
A		1/15/21	INITIAL RELEASED	JS	JS	JS



NUMBER	ITEM	DESCRIPTION	QTY
1	LEVSLDH25	HOUSING 2WIDE 4FAN	1
2	LEV2-C2W4F	LEV2 COIL 2WIDE 2FAN	1
3	SDPB22F	SDP DBSX BASE 22	1
4	SDPDBSXHSG	HOUSING,S SEMI-HERM 2 FAN WIDE	1
5	SDP CTRLBOX 7IN	CNTRLBOX; 7 INCH DEEP SLD	1
6	E11088300	MOTOR ASSY SLD 1.5HP 1140 230/	4



NOTES:
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3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

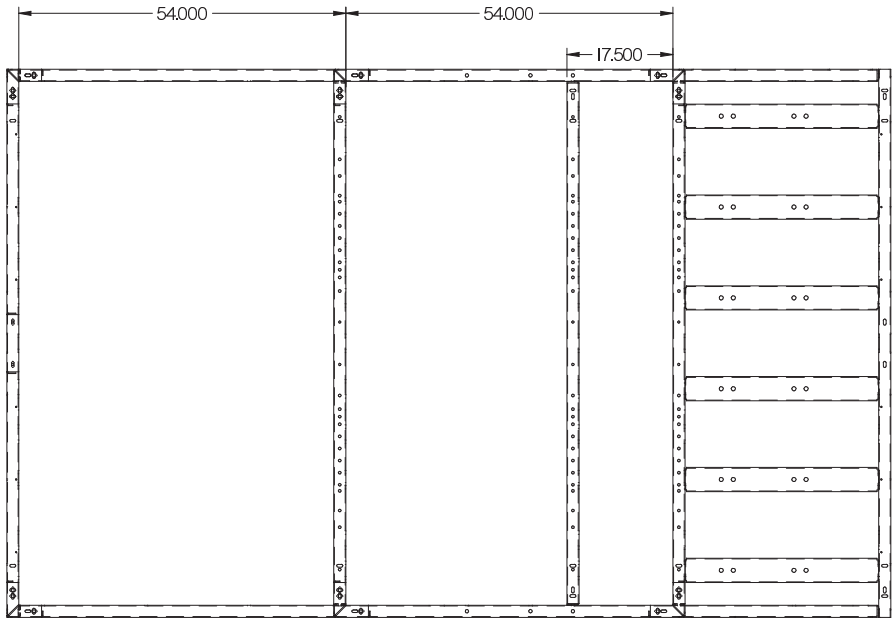
SHEET 1 OF 1

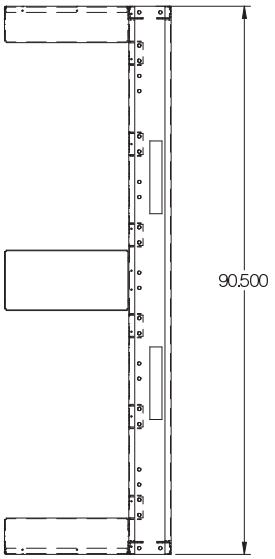
HUSSMANN®

CD-22

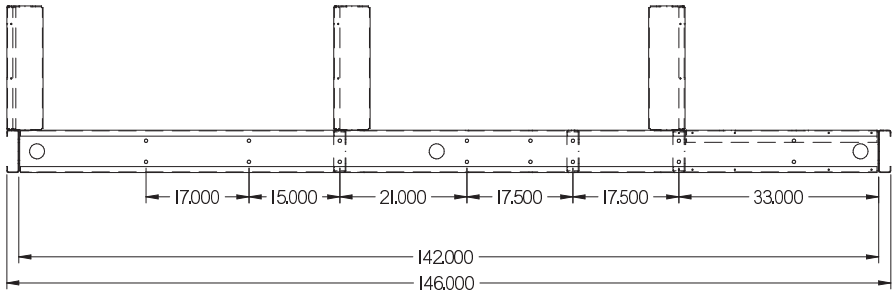
P/N CD-22 REV A

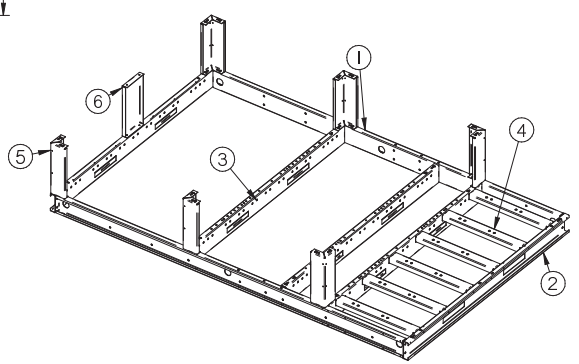
GDF 3.0 SHEET SIZE D





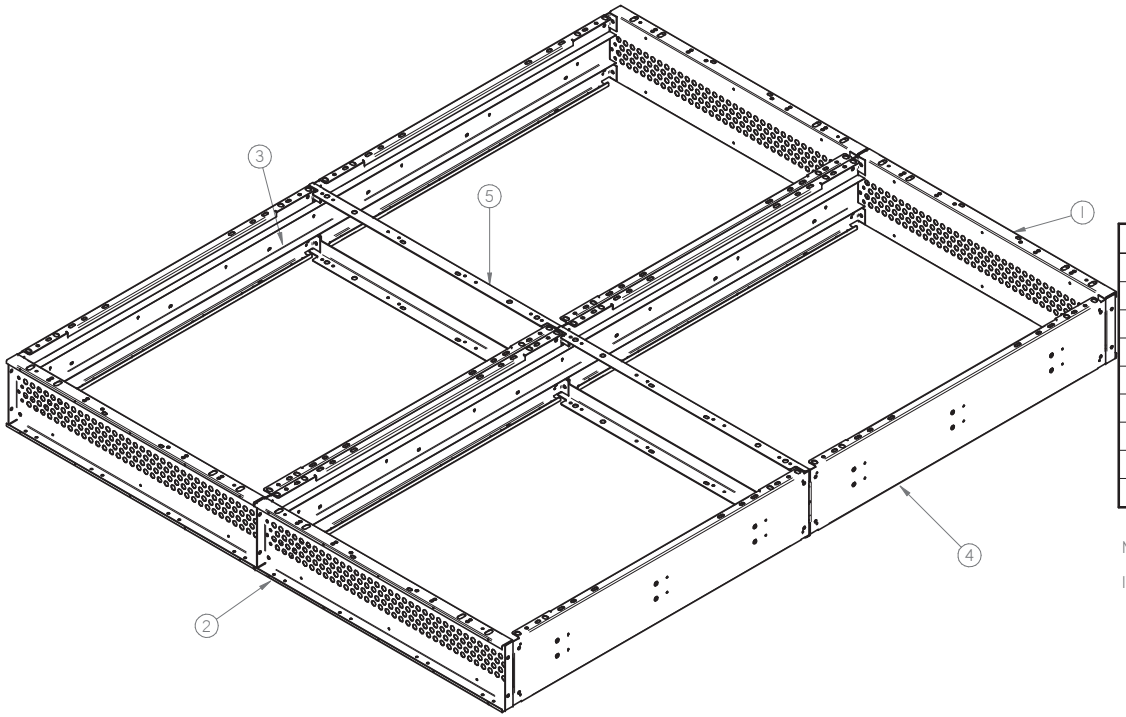
Item Number	Document Number	Title	Material	Quantity
1	E152289	SLD CHNL LATL (142")	0.115 MIN. G90U GALV STEEL	2
2	901000	SLD CHNL END (90 1/2")	0.115 MIN. G90U GALV STEEL	2
3	901200	SLD CHNL XBRACE (86 1/2")	0.115 MIN. G90U GALV STEEL	3
4	901300	SLD CHNL COMPR (32")	0.115 MIN. G90U GALV STEEL	6
5	901700	SLD LEG (20 1/2")	0.115 MIN. G90U GALV STEEL	6
6	908000	SLD LEG CNTR (20 1/2")	0.115 MIN. G90U GALV STEEL	1







					KRACK CORPORATION
					MATERIAL:
2		NEW 1-PC SIDE RAIL	G.B.	11/6/02	DESCRIPTION: Drawing Assy SDP DBSX BASE 22
1		RELEASED	G.B.	3/20/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"		THIRD ANGLE PROJECTION			SCALE: / SHEET# / PART NO: 906400
					DRAWN BY: G.B. / DATE: 01/28/02



NUMBER	ITEM	DESCRIPTION	QTY
1	E203413	LEV2 ENDPLT 0.375" 36X4 LH RB	2
2	E203414	LEV2 ENDPLT 0.375" 36X4 RH HDR	2
3	E203421	CHANNEL C 108" 2F LEV2	4
4	E203417	LEV2 COIL BAFFLE	8
5	E203418	LEV2 COIL CROSS SUPT	4
6*	E150966	LEV TRUNCATE TBE SHT 0.375" 4R	44
7*	SSTU08	TUBE SS304 3/80Dx111.63x.012W	8
8*	T06C1411170	TUBE CU .375; .014 X 117.000 R	272 (125 LB)
9*	FA1003603A05	Fin 1038-36-3 Al-.005NS	216 IN (164 LB)

NUMBERS: 6 - 7 - 8 - 9

ITEMS ARE INSTALLED INSIDE OF THE C CHANNEL (NUMBER-3)



NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL ⟨K⟩
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

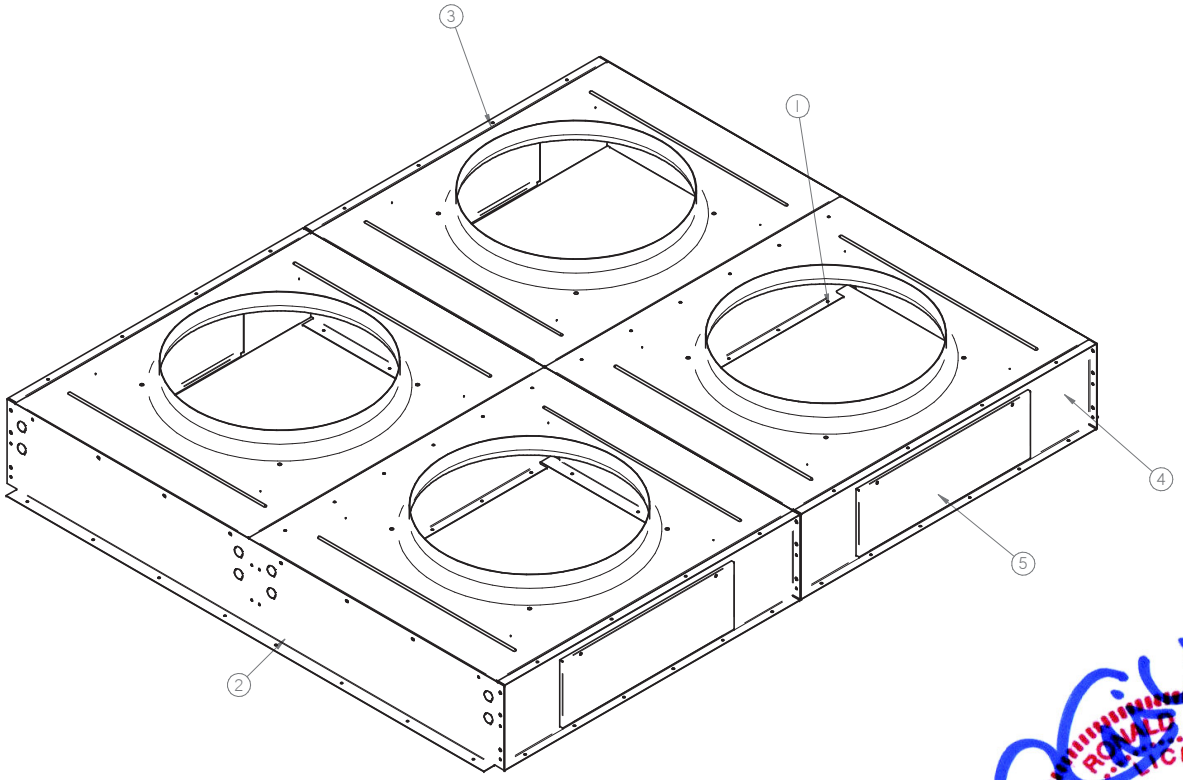
SHEET 1 OF 1

HUSSMANN®

LEV2 COIL 2WIDE 2FAN

P/N LEV2-C2W2F REV A

GDF 3.0 SHEET SIZE D



NUMBER	ITEM	DESCRIPTION	QTY
1	E203435	PLENUM PARTITION 2W LEV2	2
2	E203433	PLENUM END/CENTER 1W LEV2	3
3	E87128P	FAN PANEL 30" LEV2 1W & 2W NAR	4
4	E203436	PLENUM SIDE PANEL W/DOOR	4
5	E86121	ACCESS DOOR	4



NOTES:
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THIRD ANGLE PROJECTION

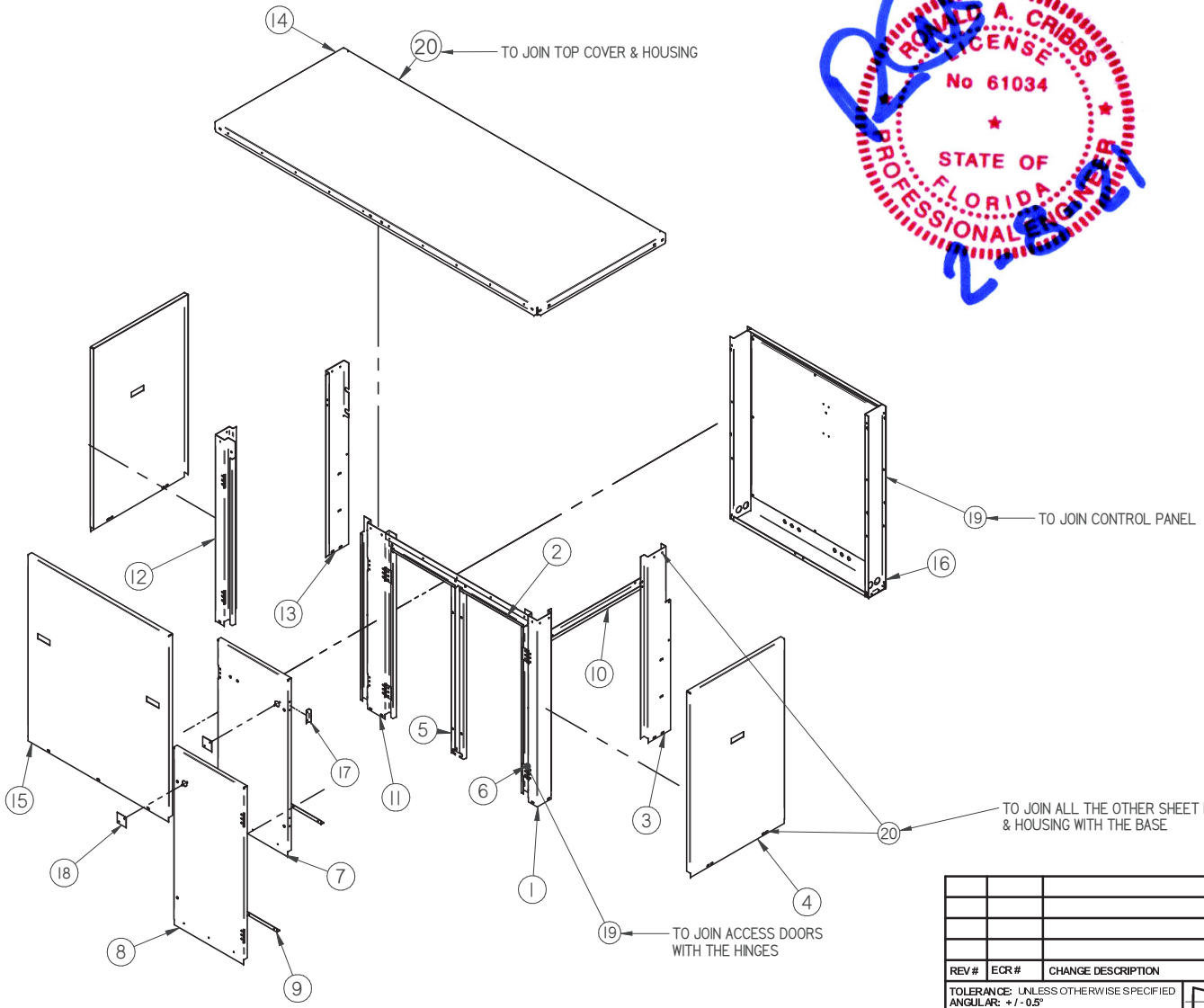
SHEET 1 OF 1

HUSSMANN®

HOUSING 2WIDE 2FAN

P/N LEV2SLDH25 REV A

GDF 3.0 SHEET SIZE D



RONALD A. CRIBBS
LICENSE
No 61034
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Item	Part #	Title	Material	QTY.
1	904702	SLD PNL POST CORNER FR RH	SG90U ASTM A653 (12GA .1084 NOM)	1
10	904001	SLD CHNL (MTR WIRE)	SG90U ASTM A653 (12GA .1084 NOM)	1
11	903100	SLD PNL POST CNTR	SG90U ASTM A653 (12GA .1084 NOM)	1
12	904701	SLD PNL POST CORNER FR LH	SG90U ASTM A653 (12GA .1084 NOM)	1
13	902801	SLD PNL POST INTR LH	SG90U ASTM A653 (12GA .1084 NOM)	1
14	902700	SLD PNL TOP	SG90U ASTM A653 (12GA .1084 NOM)	1
15	903600	SLD PNL ACCESS	SG90U ASTM A653 (12GA .1084 NOM)	1
16	E152226	SDP CTRLBOX 5 IN ASSY		1
17	904800	SLD DOOR SFTY INTLK	0.058 MIN. G90U GALV STEEL	1
18	905500	SLD DOOR COVER PLATE	0.058 MIN. G90U GALV STEEL	2
19	05385	#14X3/4 TYPE AB HHSMS ZP SCREW	SEE SPEC	70
2	904600	SLD PNL POST INTR OF CTR PNL	SG90U ASTM A653 (12GA .1084 NOM)	1
20	E312774	10-16X3/4"TEK2 HXWSHR HD SD SW	SEE SPEC	28
21	05454	RIVET-0.25 DIA X 0.125-0.375 GRIP	SEE SPEC	38
3	902802	SLD PNL POST INTR RH	SG90U ASTM A653 (12GA .1084 NOM)	1
4	903501	SLD PNL ACCESS	SG90U ASTM A653 (12GA .1084 NOM)	2
5	903400	SLD DOOR POST (CNTR)	SG90U ASTM A653 (12GA .1084 NOM)	1
6	E306001	SLD HINGE 3X3" SS ASSY		4
7	901800	SLD DOOR LH	SG90U ASTM A653 (12GA .1084 NOM)	1
8	901900	SLD DOOR RH	SG90U ASTM A653 (12GA .1084 NOM)	1
9	902400	SLD CTRL PNL DOOR SPRT	SG90U ASTM A653 (12GA .1084 NOM)	2

REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:

TOLERANCE: UNLESS OTHERWISE SPECIFIED
ANGULAR: +/- 0.5°
DECIMAL: +/- 0.031"

THIRD ANGLE PROJECTION

KRACK CORPORATION

MATERIAL:

DESCRIPTION: SDP DBSX HSG 2X

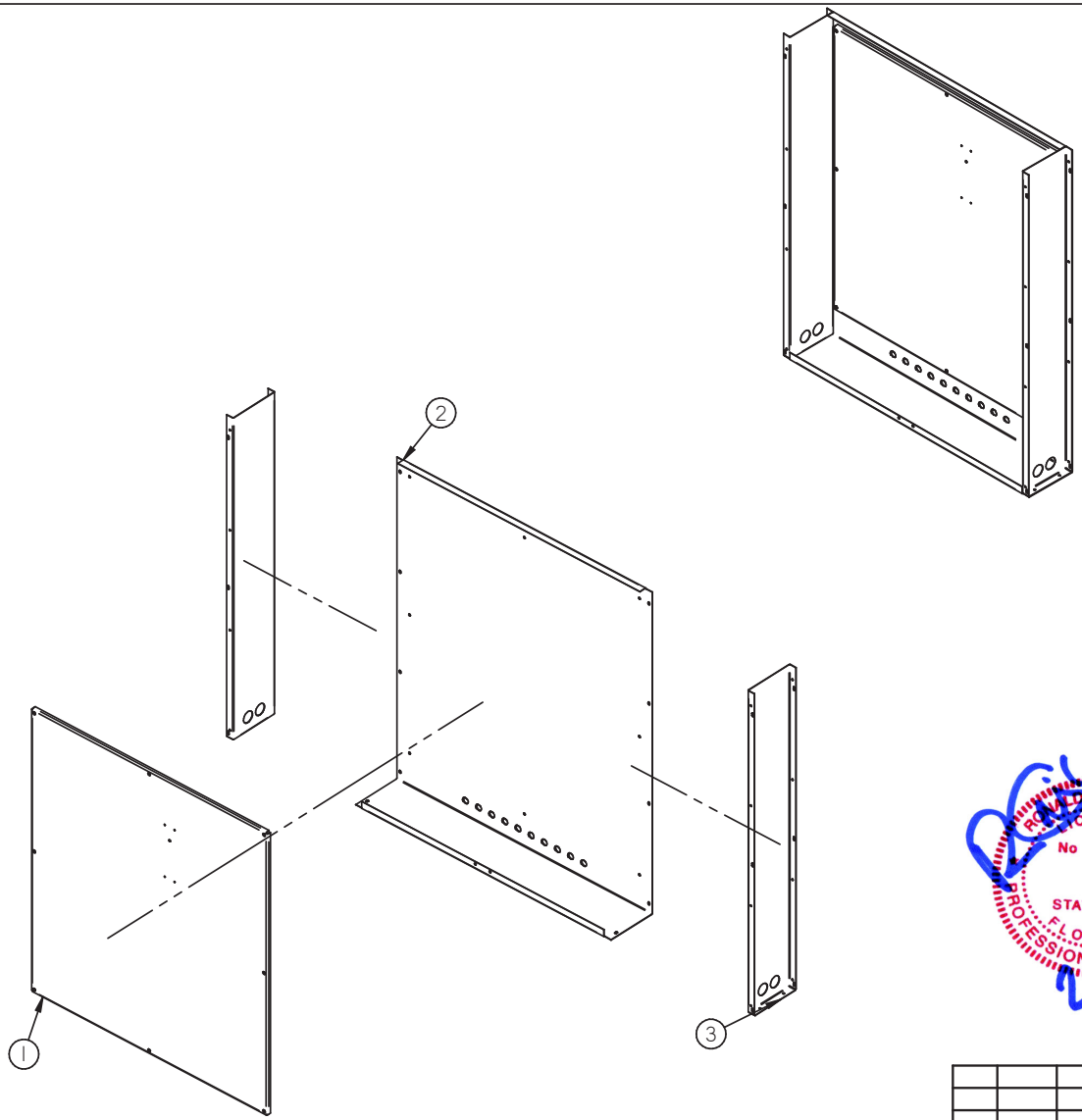
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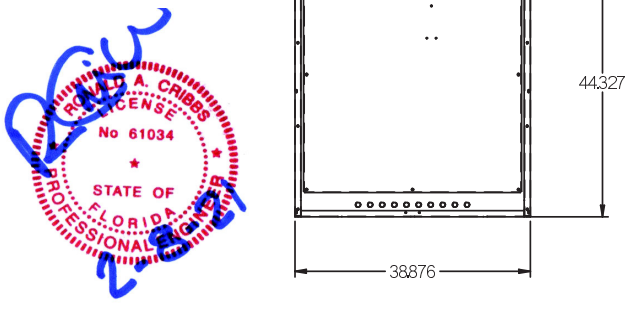
SCALE: | SHEET#

DRAWN BY: G.B. | DATE: 7/15/02

PART NO: **HIGHWIND**

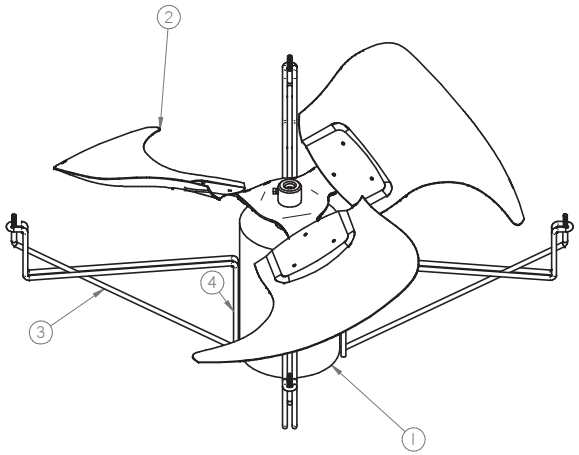
Item	Part #	Title	Material	QTY.
1	902100	SLD CTRL SUB PNL	0.085 MIN. G90U GALV STEEL	1
2	912000	SLD CTRL PNL BOX (DEEP)	0.048 MIN. G90U GALV STEEL	1
3	911900	SLD CTRL PNL BOX SIDE	0.048 MIN. G90U GALV STEEL	2



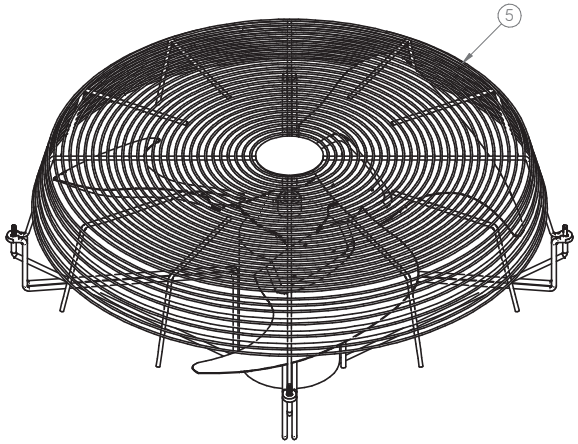


RONALD A. CRIBBS
LICENSE
No 61034
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

					KRACK CORPORATION
					MATERIAL:
					DESCRIPTION: SDP CTRLBOX 7IN
0		RELEASED	G.B.	7/15/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"			THIRD ANGLE PROJECTION		SCALE: / SHEET# / PART NO: E152227 DRAWN BY: G.B. / DATE: 7/15/02



NUMBER	ITEM	DESCRIPTION	QTY
1	E205492IN	MOTOR 1.5HP 230/460/60/3/1140	1
2	E205493	30 DIA FAN 24 DEG CW 5/8 BORE	1
3	E280793	MOTOR BRACKET	2
4	80034	MOTOR RING 56 FRAME LEV-SM	1
5	E280792	FAN GUARD 30" LEV-SM-PC	1





NOTES:
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3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

SHEET 1 OF 1

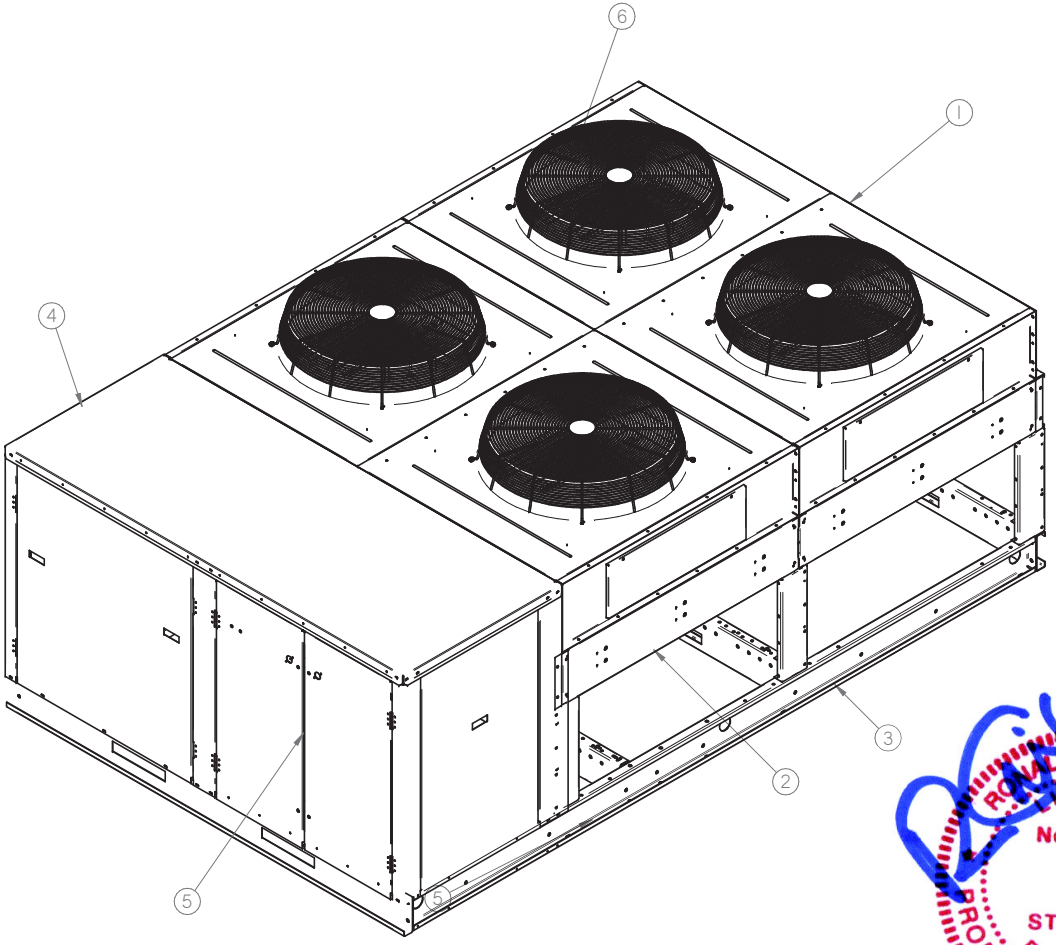
HUSSMANN®

MOTOR ASSY SLD 1.5HP 1140 230/

P/N E110883001 REV A

GDF 3.0 SHEET SIZE D

REVISION HISTORY						
REV	ECN	DATE	REVISION DESCRIPTION	REV BY	CHKD BY	APPR BY
A		1/15/21	INITIAL RELEASED	JS	JS	JS



NUMBER	ITEM	DESCRIPTION	QTY
1	LEVSLDH25	HOUSING 2WIDE 4FAN	1
2	LEV2-C2W4F	LEV2 COIL 2WIDE 2FAN	1
3	SDPB22F	SDP DBSX BASE 22	1
4	SDPDBSXHSG	HOUSING,S SEMI-HERM 2 FAN WIDE	1
5	SDP CTRLBOX 7IN	CNTRLBOX; 7 INCH DEEP SLD	1
6	E11088300	MOTOR ASSY SLD 1.5HP 1140 230/	4

RONALD A. CRIBBS LICENSE No 61034 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOTES:
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THIRD ANGLE PROJECTION

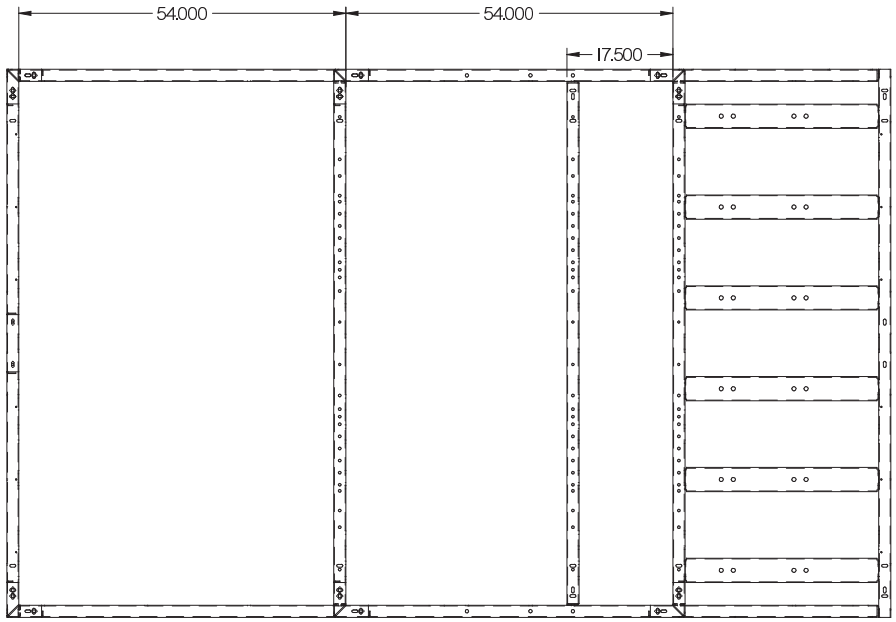
SHEET 1 OF 1

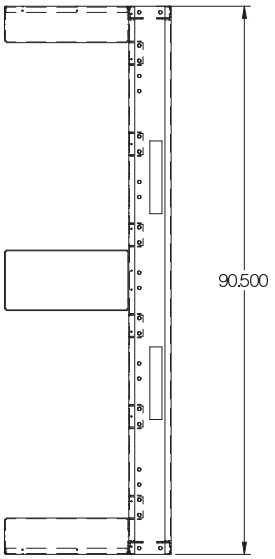
HUSSMANN®

CS-22

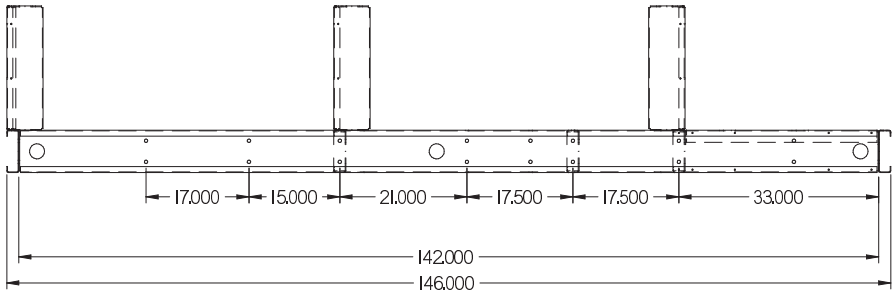
P/N CS-22 REV A

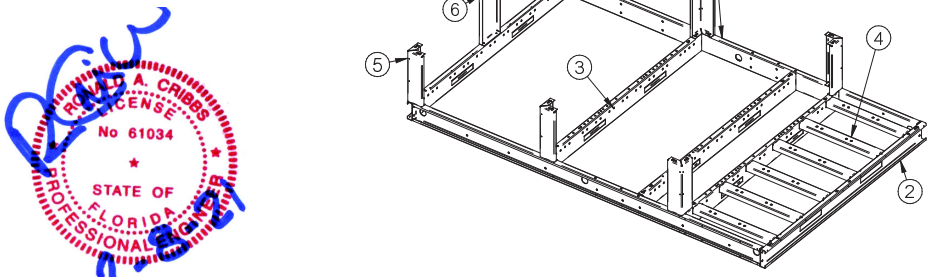
GDF 3.0 SHEET SIZE D



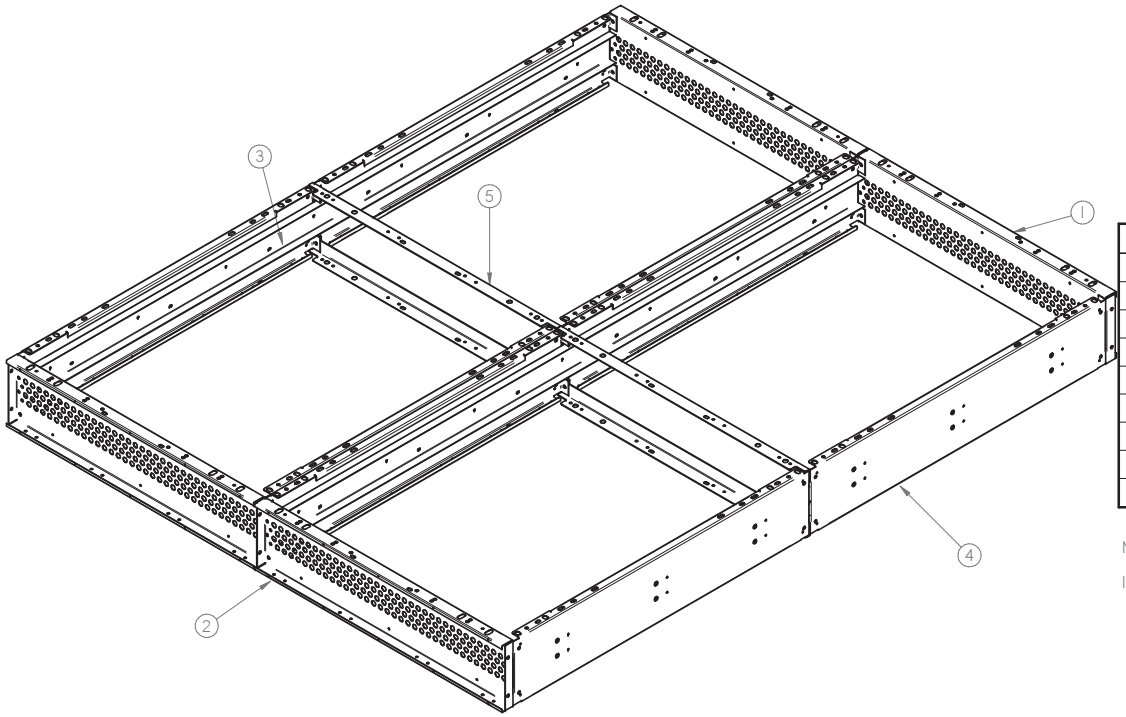


Item Number	Document Number	Title	Material	Quantity
1	E152289	SLD CHNL LATL (142")	0.115 MIN. G90U GALV STEEL	2
2	901000	SLD CHNL END (90 1/2")	0.115 MIN. G90U GALV STEEL	2
3	901200	SLD CHNL XBRACE (86 1/2")	0.115 MIN. G90U GALV STEEL	3
4	901300	SLD CHNL COMPR (32")	0.115 MIN. G90U GALV STEEL	6
5	901700	SLD LEG (20 1/2")	0.115 MIN. G90U GALV STEEL	6
6	908000	SLD LEG CNTR (20 1/2")	0.115 MIN. G90U GALV STEEL	1





					KRACK CORPORATION
					MATERIAL:
2		NEW 1-PC SIDE RAIL	G.B.	11/6/02	DESCRIPTION: Drawing Assy SDP DBSX BASE 22
1		RELEASED	G.B.	3/20/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"		THIRD ANGLE PROJECTION			SCALE: / SHEET# / PART NO: 906400
					DRAWN BY: G.B. / DATE: 01/28/02



NUMBER	ITEM	DESCRIPTION	QTY
1	E203413	LEV2 ENDPLT 0.375" 36X4 LH RB	2
2	E203414	LEV2 ENDPLT 0.375" 36X4 RH HDR	2
3	E203421	CHANNEL C 108" 2F LEV2	4
4	E203417	LEV2 COIL BAFFLE	8
5	E203418	LEV2 COIL CROSS SUPT	4
6*	E150966	LEV TRUNCATE TBE SHT 0.375" 4R	44
7*	SSTU08	TUBE SS304 3/80Dx111.63x.012W	8
8*	T06C1411170	TUBE CU .375; .014 X 117.000 R	272 (125 LB)
9*	FA1003603A05	Fin 1038-36-3 Al-.005NS	216 IN (164 LB)

NUMBERS: 6 - 7 - 8 - 9

ITEMS ARE INSTALLED INSIDE OF THE C CHANNEL (NUMBER-3)



NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

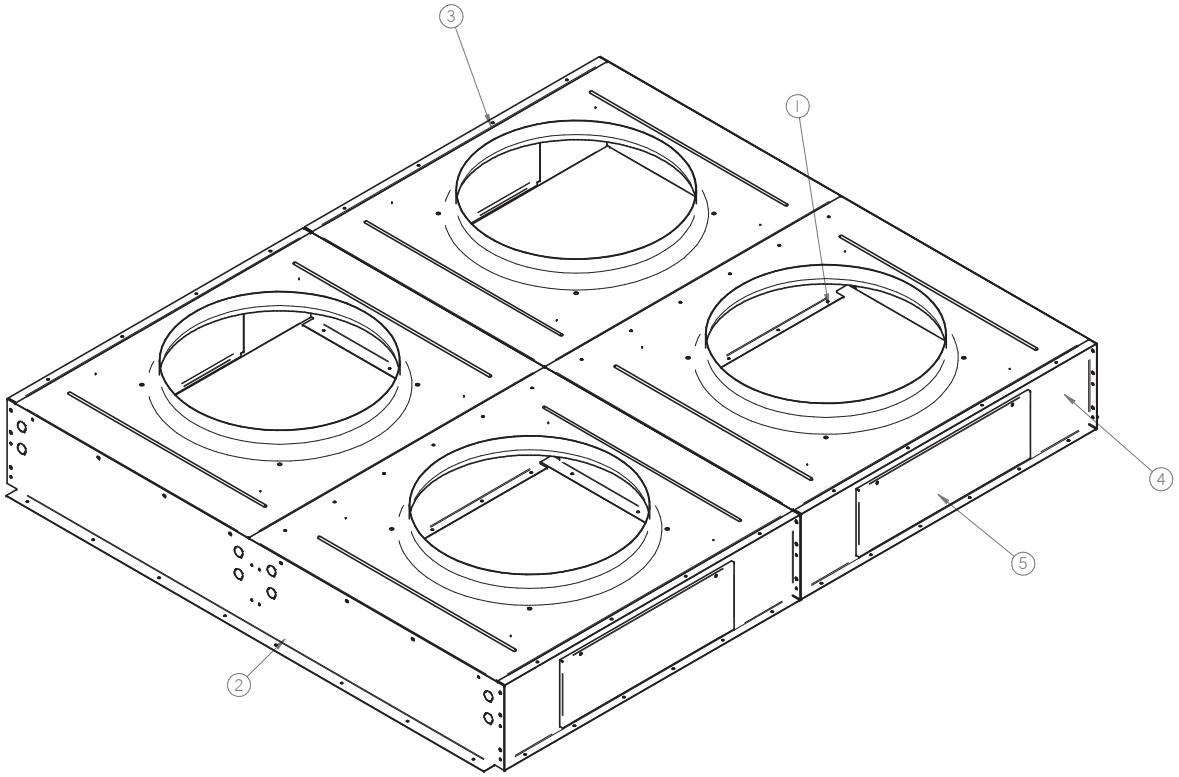
SHEET 1 OF 1

HUSSMANN®

LEV2 COIL 2WIDE 2FAN

P/N LEV2-C2W2F REV A

GDF 3.0 SHEET SIZE D



NUMBER	ITEM	DESCRIPTION	QTY
1	E203435	PLENUM PARTITION 2W LEV2	2
2	E203433	PLENUM END/CENTER 1W LEV2	3
3	E87128P	FAN PANEL 30" LEV2 1W & 2W NAR	4
4	E203436	PLENUM SIDE PANEL W/DOOR	4
5	E86121	ACCESS DOOR	4

RONALD A. CRIBBS
LICENSE
No 61034
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

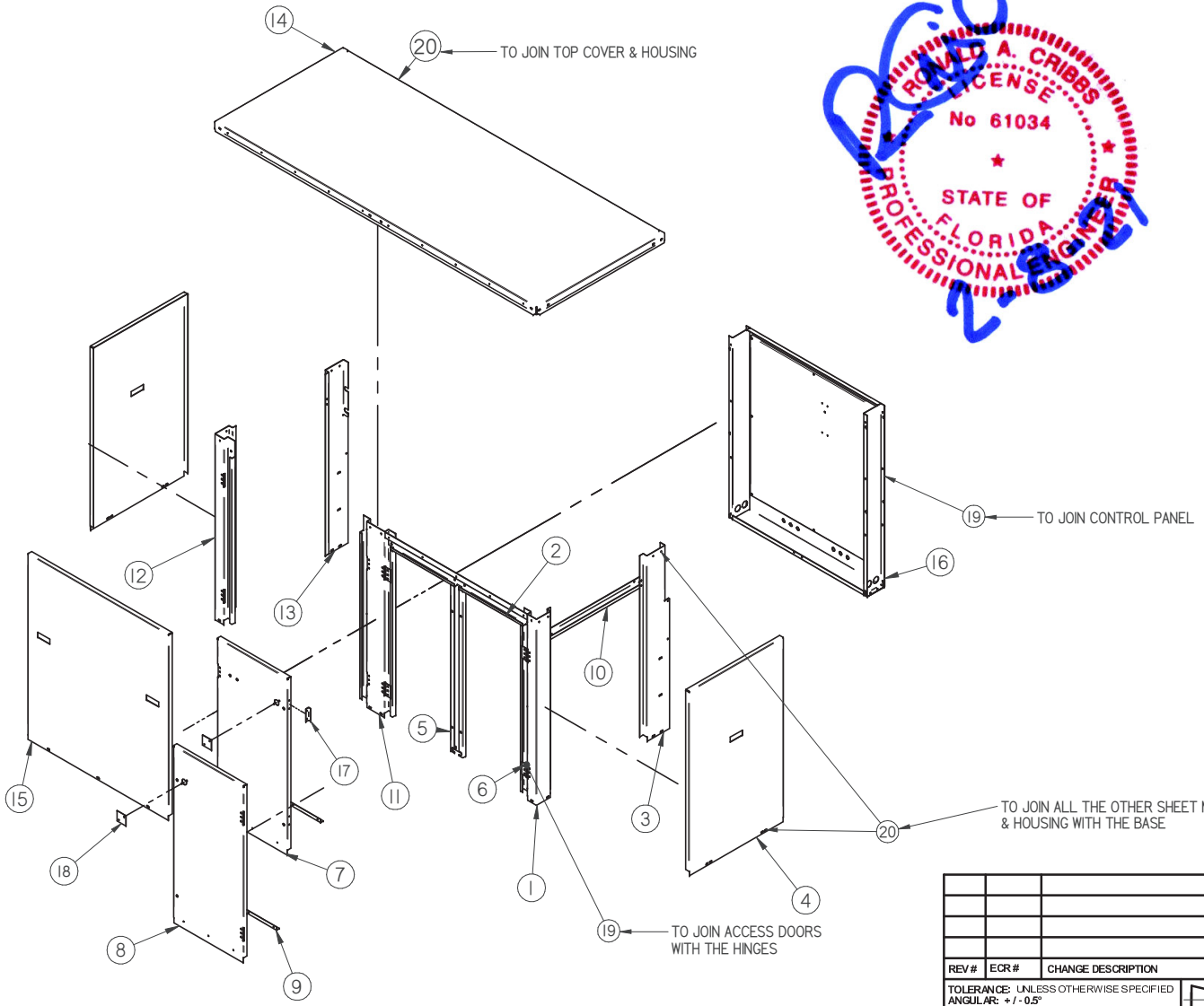
SHEET 1 OF 1

HUSSMANN®

HOUSING 2WIDE 2FAN

P/N LEV2SLDH25 REV A

GDF 3.0 SHEET SIZE D



Item	Part #	Title	Material	QTY.
1	904702	SLD PNL POST CORNER FR RH	SG90U ASTM A653 (12GA .1084 NOMI	1
10	904001	SLD CHNL (MTR WIRE)	SG90U ASTM A653 (12GA .1084 NOMI	1
11	903100	SLD PNL POST CNTR	SG90U ASTM A653 (12GA .1084 NOMI	1
12	904701	SLD PNL POST CORNER FR LH	SG90U ASTM A653 (12GA .1084 NOMI	1
13	902801	SLD PNL POST INTR LH	SG90U ASTM A653 (12GA .1084 NOMI	1
14	902700	SLD PNL TOP	SG90U ASTM A653 (12GA .1084 NOMI	1
15	903600	SLD PNL ACCESS	SG90U ASTM A653 (12GA .1084 NOMI	1
16	E152226	SDP CTRLBOX 5 IN ASSY		1
17	904800	SLD DOOR SFTY INTLK	0.058 MIN. G90U GALV STEEL	1
18	905500	SLD DOOR COVER PLATE	0.058 MIN. G90U GALV STEEL	2
19	05385	#14X3/4 TYPE AB HHSMS ZP SCREW	SEE SPEC	70
2	904600	SLD PNL POST INTR OF CTR PNL	SG90U ASTM A653 (12GA .1084 NOMI	1
20	E312774	10-16X3/4"TEK2 HXWSHR HD SD SW	SEE SPEC	28
21	05454	RIVET-0.25 DIA X 0.125-0.375 GRIP	SEE SPEC	38
3	902802	SLD PNL POST INTR RH	SG90U ASTM A653 (12GA .1084 NOMI	1
4	903501	SLD PNL ACCESS	SG90U ASTM A653 (12GA .1084 NOMI	2
5	903400	SLD DOOR POST (CNTR)	SG90U ASTM A653 (12GA .1084 NOMI	1
6	E306001	SLD HINGE 3X3" SS ASSY		4
7	901800	SLD DOOR LH	SG90U ASTM A653 (12GA .1084 NOMI	1
8	901900	SLD DOOR RH	SG90U ASTM A653 (12GA .1084 NOMI	1
9	902400	SLD CTRL PNL DOOR SPRT	SG90U ASTM A653 (12GA .1084 NOMI	2

REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:

TOLERANCE: UNLESS OTHERWISE SPECIFIED
ANGULAR: +/- 0.5°
DECIMAL: +/- 0.031"

THIRD ANGLE PROJECTION

KRACK CORPORATION

MATERIAL:

DESCRIPTION: SDP DBSX HSG 2X

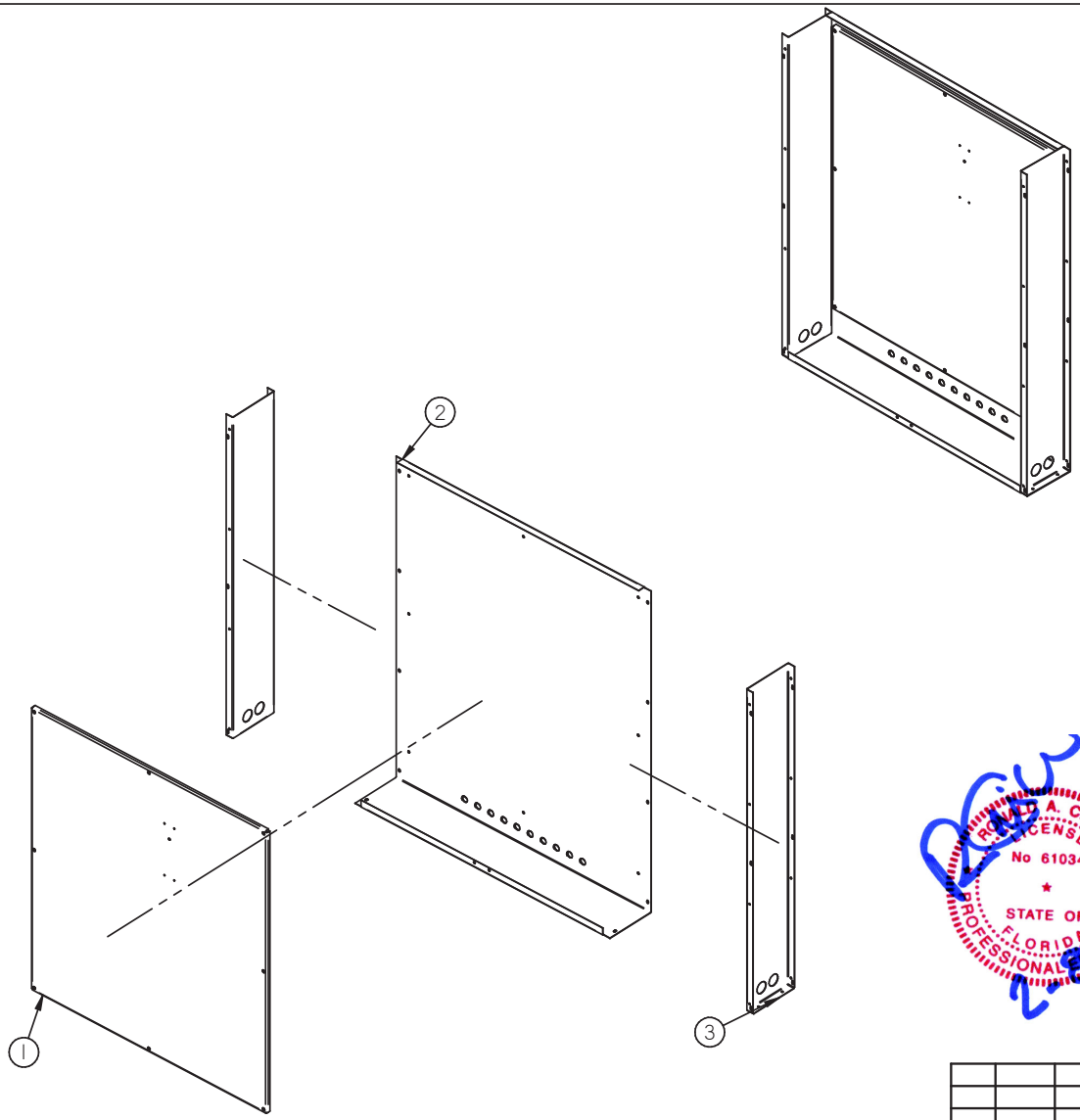
MODEL: SLD | JOB NO:

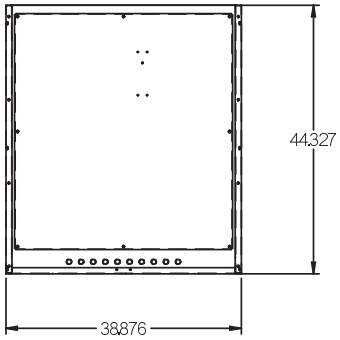
SCALE: | SHEET#

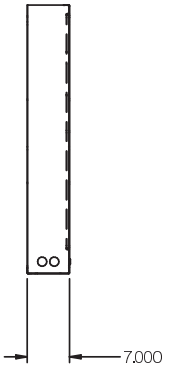
DRAWN BY: G.B. | DATE: 7/15/02

PART NO: **HIGHWIND**

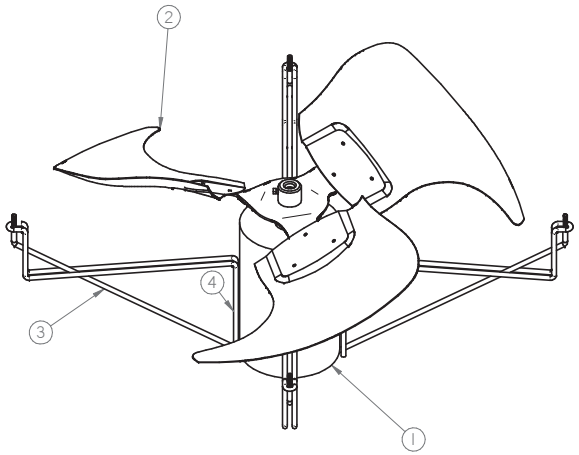
Item	Part #	Title	Material	QTY.
1	902100	SLD CTRL SUB PNL	0.085 MIN. G90U GALV STEEL	1
2	912000	SLD CTRL PNL BOX (DEEP)	0.048 MIN. G90U GALV STEEL	1
3	911900	SLD CTRL PNL BOX SIDE	0.048 MIN. G90U GALV STEEL	2



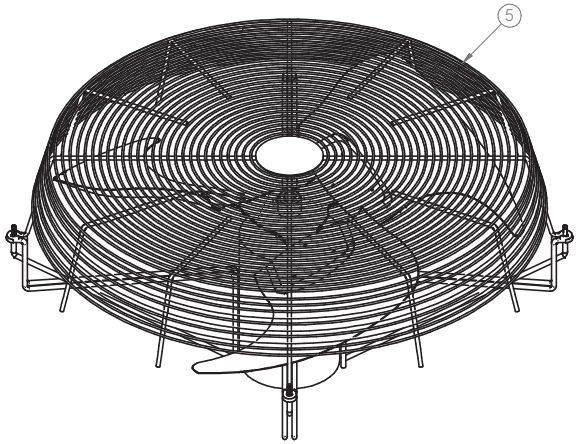




					KRACK CORPORATION
					MATERIAL:
					DESCRIPTION: SDP CTRLBOX 7IN
0		RELEASED	G.B.	7/15/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"		THIRD ANGLE PROJECTION			SCALE: / SHEET# / PART NO: E152227 DRAWN BY: G.B. / DATE: 7/15/02



NUMBER	ITEM	DESCRIPTION	QTY
1	E205492IN	MOTOR 1.5HP 230/460/60/3/1140	1
2	E205493	30 DIA FAN 24 DEG CW 5/8 BORE	1
3	E280793	MOTOR BRACKET	2
4	80034	MOTOR RING 56 FRAME LEV-SM	1
5	E280792	FAN GUARD 30" LEV-SM-PC	1





NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

SHEET 1 OF 1

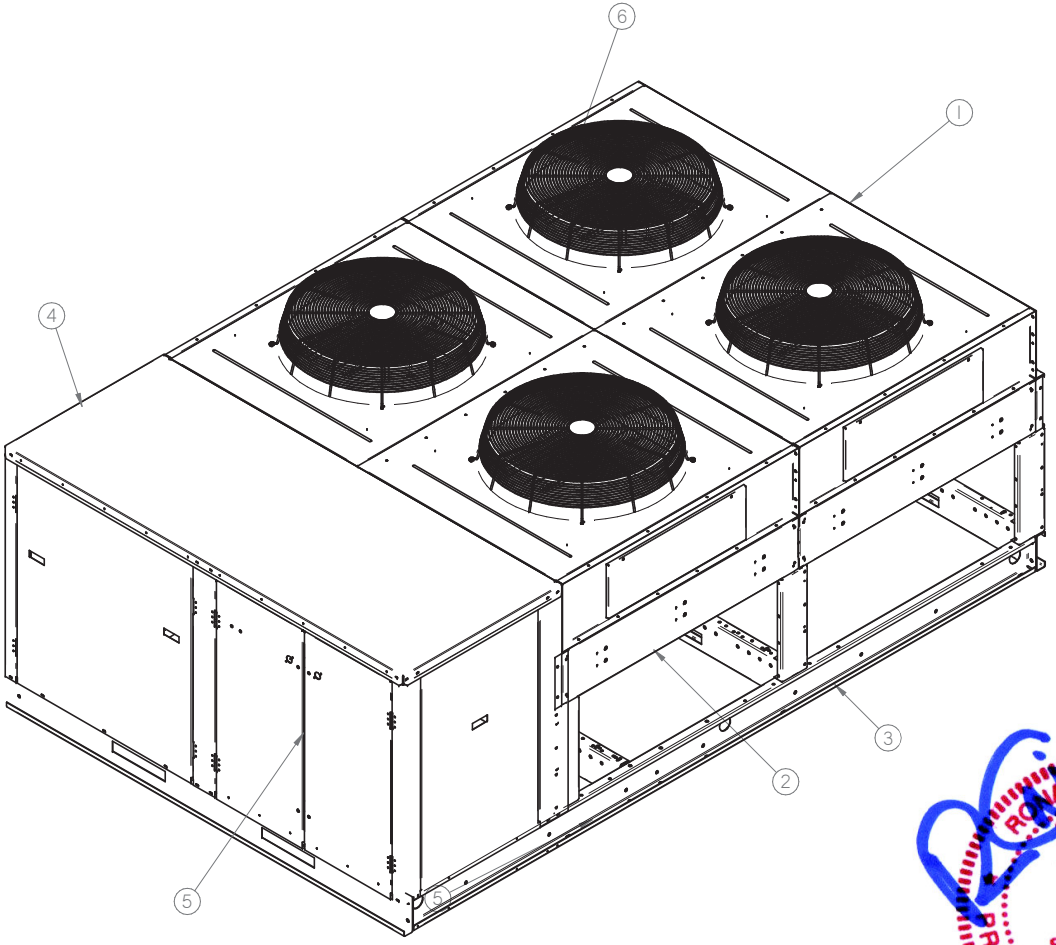
HUSSMANN®

MOTOR ASSY SLD 1.5HP 1140 230/

P/N E110883001 REV A

GDF 3.0 SHEET SIZE D

REVISION HISTORY						
REV	ECN	DATE	REVISION DESCRIPTION	REV BY	CHKD BY	APPR BY
A		1/15/21	INITIAL RELEASED	JS	JS	JS



NUMBER	ITEM	DESCRIPTION	QTY
1	LEVSLDH25	HOUSING 2WIDE 4FAN	1
2	LEV2-C2W4F	LEV2 COIL 2WIDE 2FAN	1
3	SDPB22F	SDP DBSX BASE 22	1
4	SDPDBSXHSG	HOUSING,S SEMI-HERM 2 FAN WIDE	1
5	SDP CTRLBOX 7IN	CNTRLBOX; 7 INCH DEEP SLD	1
6	E11088300	MOTOR ASSY SLD 1.5HP 1140 230/	4



NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

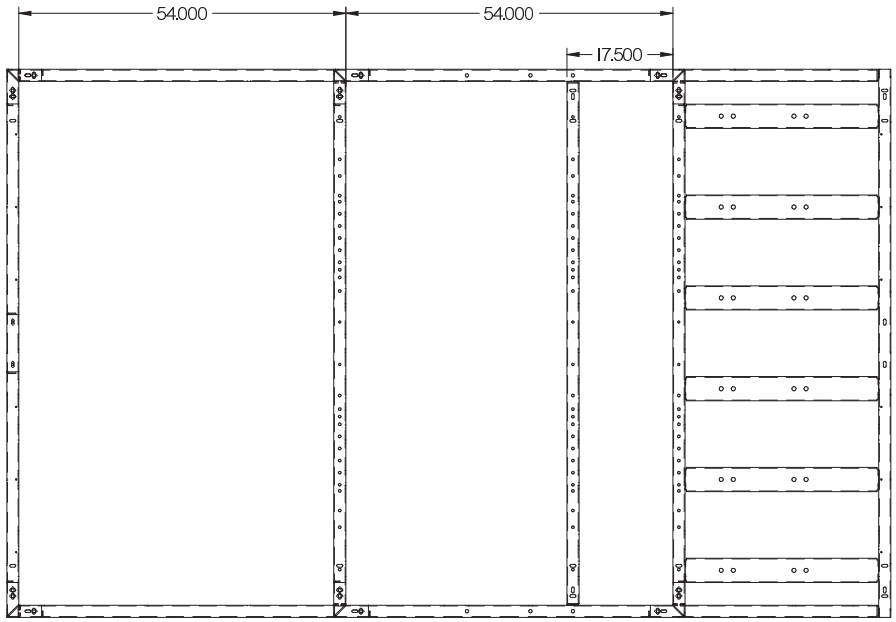
SHEET 1 OF 1

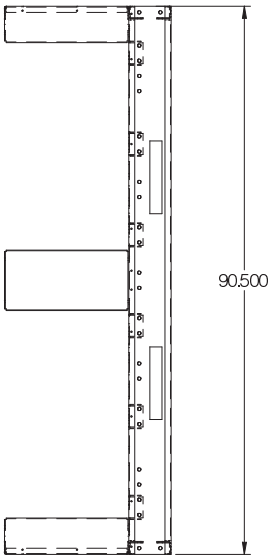
HUSSMANN®

CP-22

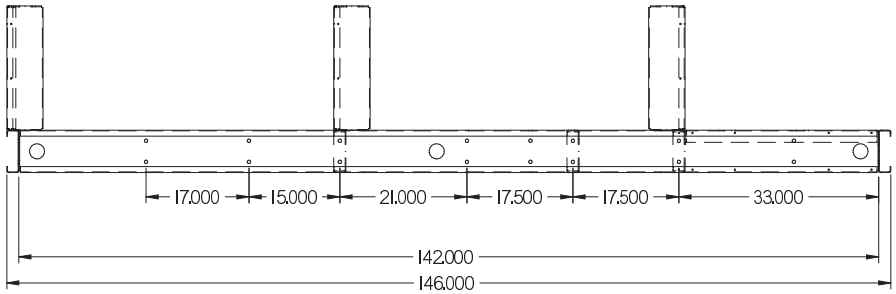
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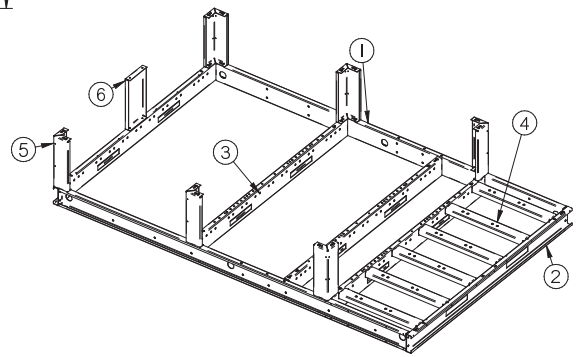
GDF 3.0 SHEET SIZE D





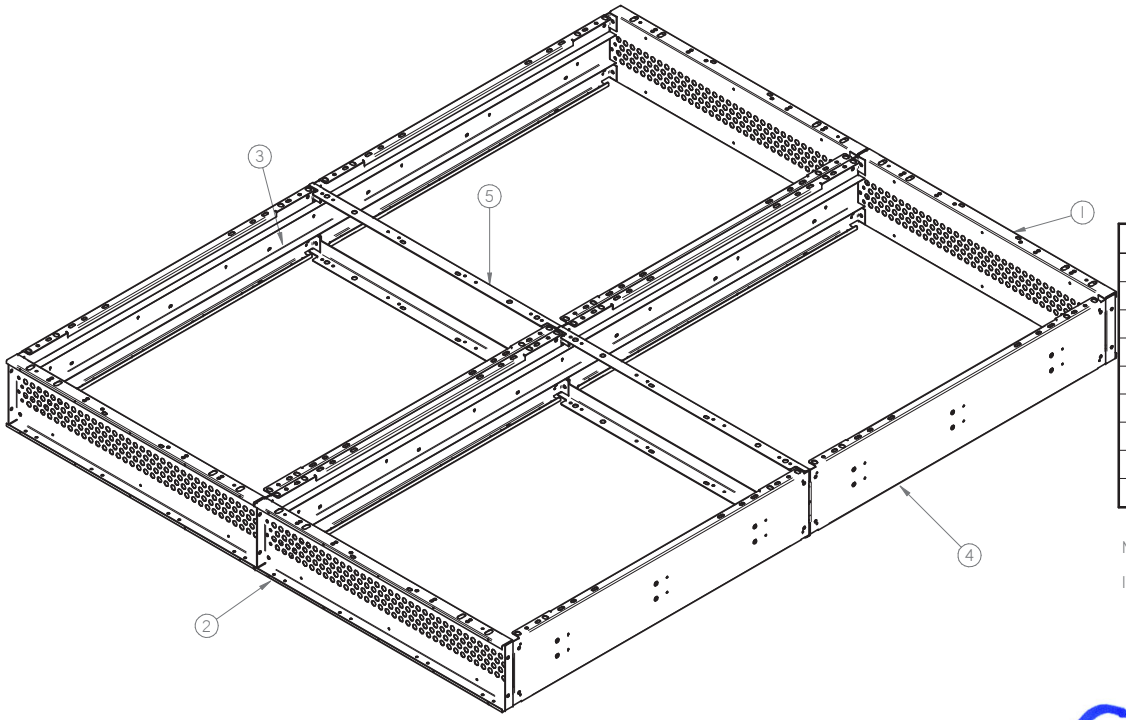
Item Number	Document Number	Title	Material	Quantity
1	E152289	SLD CHNL LATL (142")	0.115 MIN. G90U GALV STEEL	2
2	901000	SLD CHNL END (90 1/2")	0.115 MIN. G90U GALV STEEL	2
3	901200	SLD CHNL XBRACE (86 1/2")	0.115 MIN. G90U GALV STEEL	3
4	901300	SLD CHNL COMPR (32")	0.115 MIN. G90U GALV STEEL	6
5	901700	SLD LEG (20 1/2")	0.115 MIN. G90U GALV STEEL	6
6	908000	SLD LEG CNTR (20 1/2")	0.115 MIN. G90U GALV STEEL	1







					KRACK CORPORATION
					MATERIAL:
2		NEW 1-PC SIDE RAIL	G.B.	11/6/02	DESCRIPTION: Drawing Assy SDP DBSX BASE 22
1		RELEASED	G.B.	3/20/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"		THIRD ANGLE PROJECTION			SCALE: / SHEET# / PART NO: 906400
					DRAWN BY: G.B. / DATE: 01/28/02



NUMBER	ITEM	DESCRIPTION	QTY
1	E203413	LEV2 ENDPLT 0.375" 36X4 LH RB	2
2	E203414	LEV2 ENDPLT 0.375" 36X4 RH HDR	2
3	E203421	CHANNEL C 108" 2F LEV2	4
4	E203417	LEV2 COIL BAFFLE	8
5	E203418	LEV2 COIL CROSS SUPT	4
6*	E150966	LEV TRUNCATE TBE SHT 0.375" 4R	44
7*	SSTU08	TUBE SS304 3/80Dx111.63x.012W	8
8*	T06C141170	TUBE CU .375; .014 X 117.000 R	272 (125 LB)
9*	FAI003603A05	Fin 1038-36-3 Al-.005NS	216 IN (164 LB)

NUMBERS: 6 - 7 - 8 - 9

ITEMS ARE INSTALLED INSIDE OF THE C CHANNEL (NUMBER-3)

RONALD A. CRIBBS
LICENSE
No 61034
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

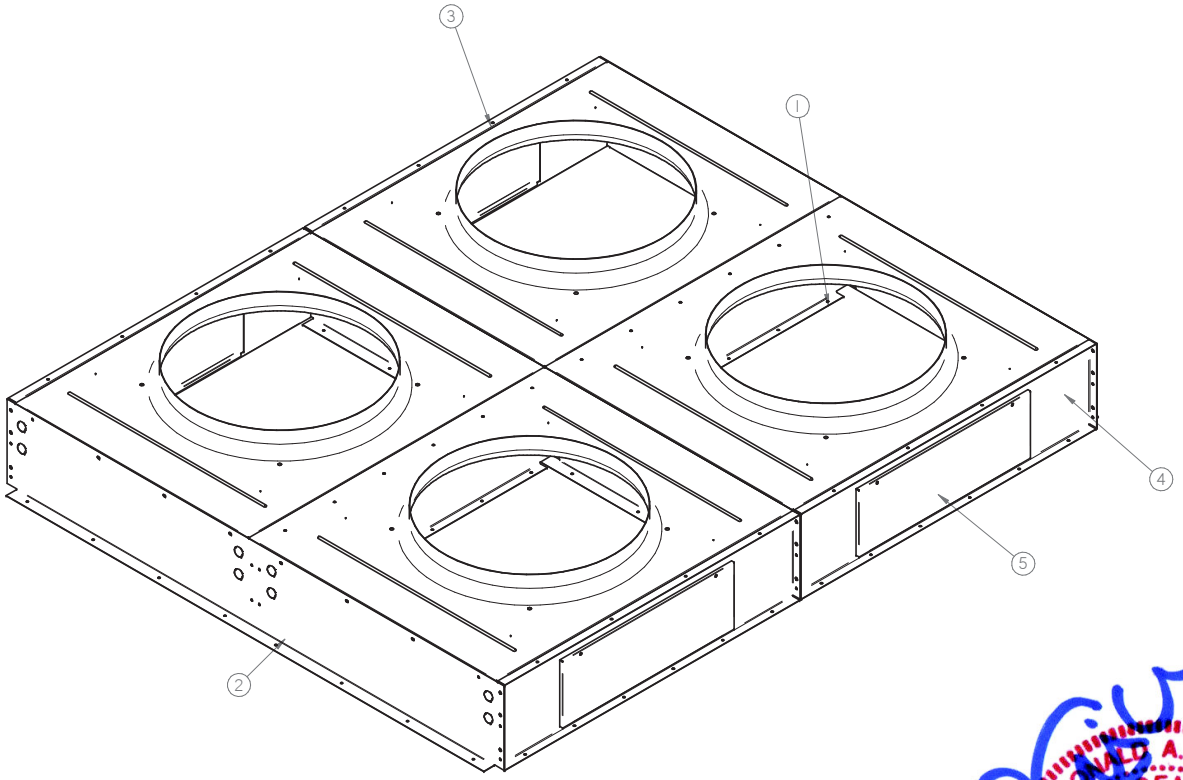
SHEET 1 OF 1

HUSSMANN®

LEV2 COIL 2WIDE 2FAN

P/N LEV2-C2W2F REV A

GDF 3.0 SHEET SIZE D



NUMBER	ITEM	DESCRIPTION	QTY
1	E203435	PLENUM PARTITION 2W LEV2	2
2	E203433	PLENUM END/CENTER 1W LEV2	3
3	E87128P	FAN PANEL 30" LEV2 1W & 2W NAR	4
4	E203436	PLENUM SIDE PANEL W/DOOR	4
5	E86121	ACCESS DOOR	4



NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

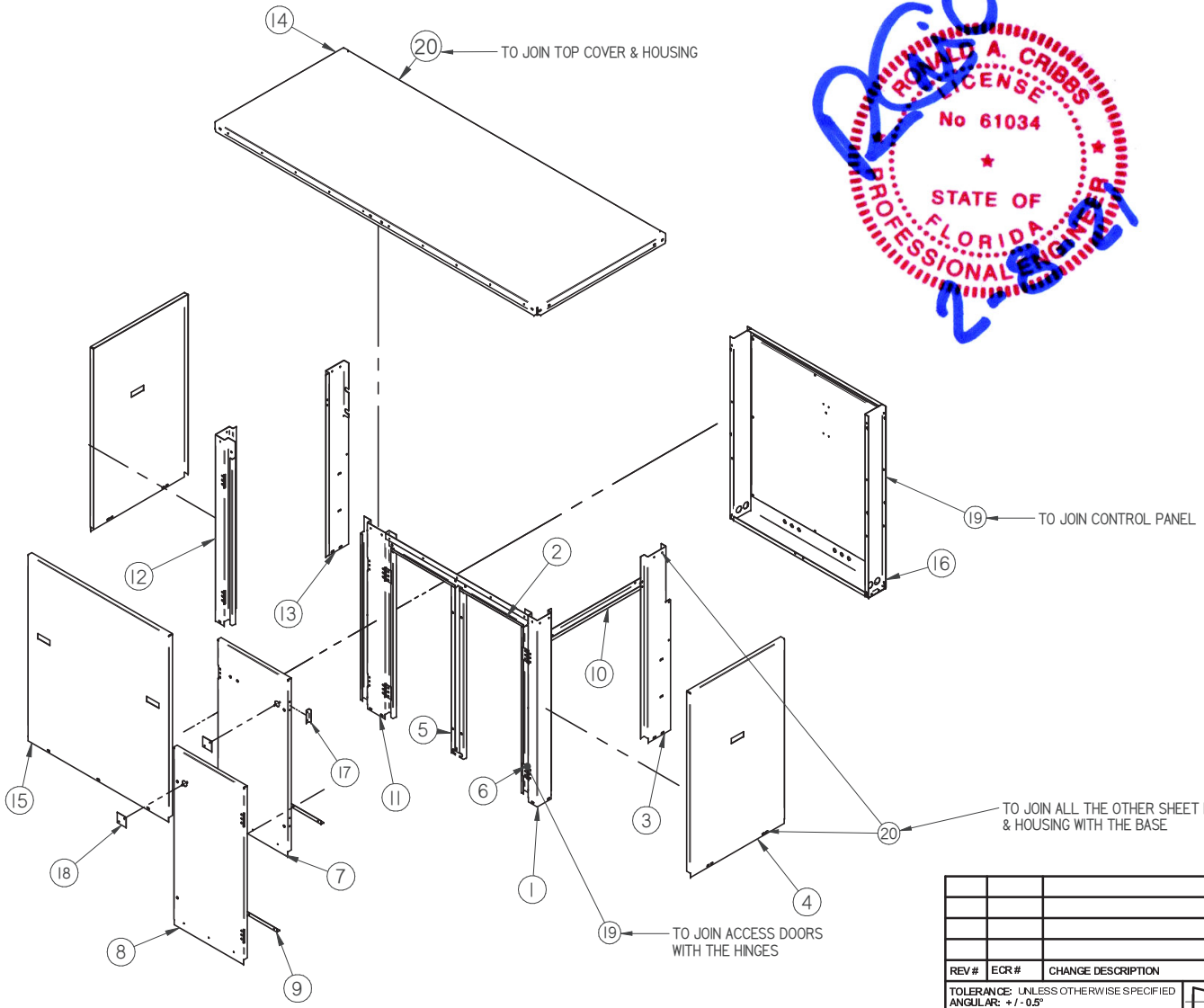
SHEET 1 OF 1

HUSSMANN®

HOUSING 2WIDE 2FAN

P/N LEV2SLDH25 REV A

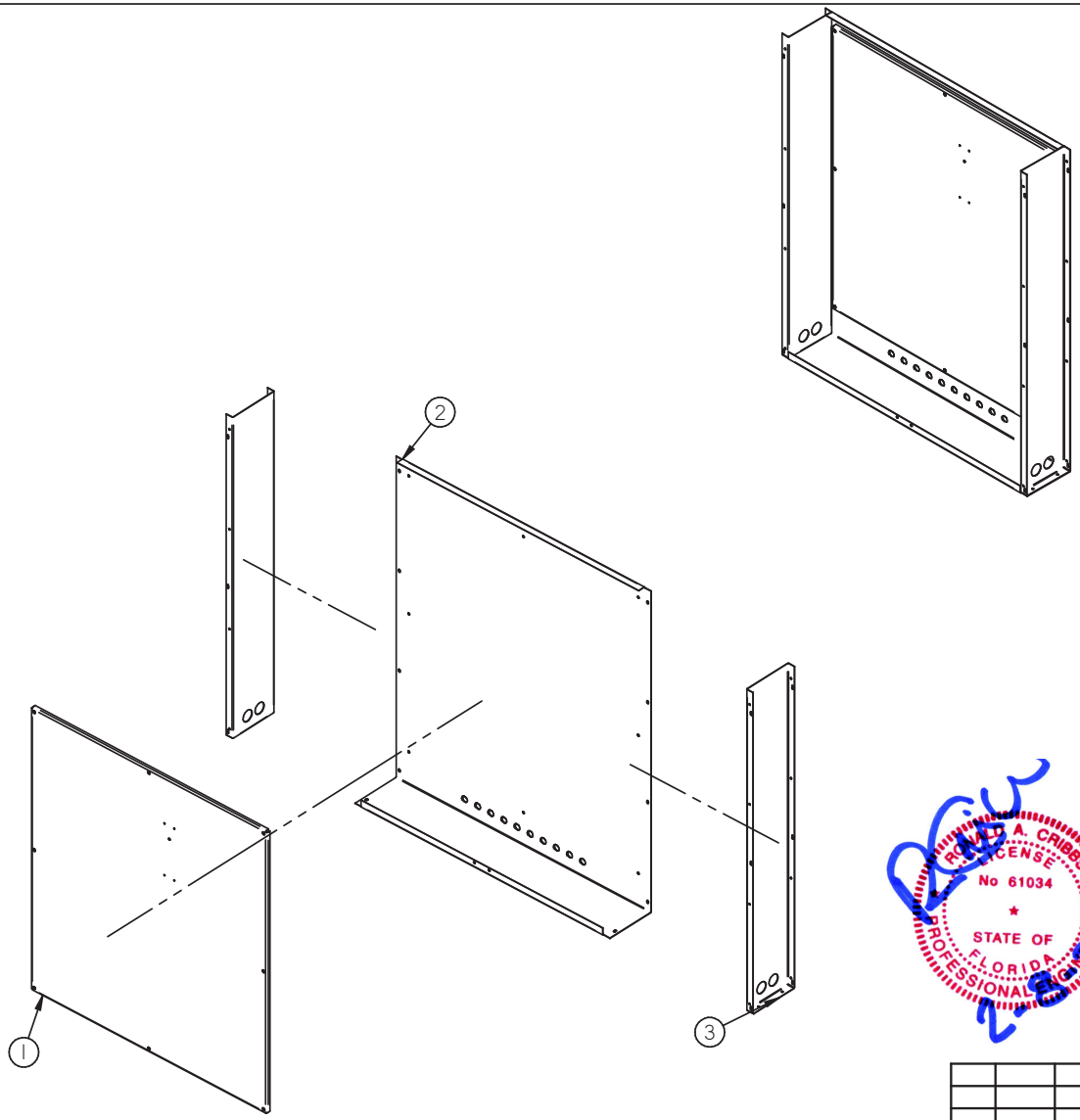
GDF 3.0 SHEET SIZE D

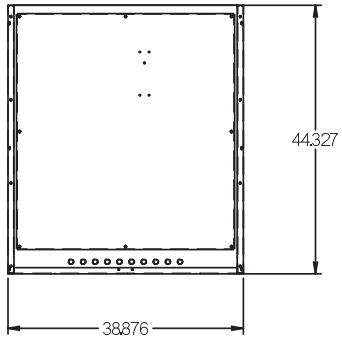


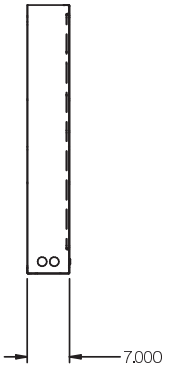
Item	Part #	Title	Material	QTY.
1	904702	SLD PNL POST CORNER FR RH	SG90U ASTM A653 (12GA .1084 NOMI	1
10	904001	SLD CHNL (MTR WIRE)	SG90U ASTM A653 (12GA .1084 NOMI	1
11	903100	SLD PNL POST CNTR	SG90U ASTM A653 (12GA .1084 NOMI	1
12	904701	SLD PNL POST CORNER FR LH	SG90U ASTM A653 (12GA .1084 NOMI	1
13	902801	SLD PNL POST INTR LH	SG90U ASTM A653 (12GA .1084 NOMI	1
14	902700	SLD PNL TOP	SG90U ASTM A653 (12GA .1084 NOMI	1
15	903600	SLD PNL ACCESS	SG90U ASTM A653 (12GA .1084 NOMI	1
16	E152226	SDP CTRLBOX 5 IN ASSY		1
17	904800	SLD DOOR SFTY INTLK	0.058 MIN. G90U GALV STEEL	1
18	905500	SLD DOOR COVER PLATE	0.058 MIN. G90U GALV STEEL	2
19	05385	#14X3/4 TYPE AB HHSMS ZP SCREW	SEE SPEC	70
2	904600	SLD PNL POST INTR OF CTR PNL	SG90U ASTM A653 (12GA .1084 NOMI	1
20	E312774	10-16X3/4"TEK2 HXWSHR HD SD SW	SEE SPEC	28
21	05454	RIVET-0.25 DIA X 0.125-0.375 GRIP	SEE SPEC	38
3	902802	SLD PNL POST INTR RH	SG90U ASTM A653 (12GA .1084 NOMI	1
4	903501	SLD PNL ACCESS	SG90U ASTM A653 (12GA .1084 NOMI	2
5	903400	SLD DOOR POST (CNTR)	SG90U ASTM A653 (12GA .1084 NOMI	1
6	E306001	SLD HINGE 3X3" SS ASSY		4
7	901800	SLD DOOR LH	SG90U ASTM A653 (12GA .1084 NOMI	1
8	901900	SLD DOOR RH	SG90U ASTM A653 (12GA .1084 NOMI	1
9	902400	SLD CTRL PNL DOOR SPRT	SG90U ASTM A653 (12GA .1084 NOMI	2

					KRACK CORPORATION
					MATERIAL:
					DESCRIPTION: SDP DBSX HSG 2X
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"			THIRD ANGLE PROJECTION		SCALE: / SHEET# / PART NO: HIGHWIND
					DRAWN BY: G.B. / DATE: 7/15/02

Item	Part #	Title	Material	QTY.
1	902100	SLD CTRL SUB PNL	0.085 MIN. G90U GALV STEEL	1
2	912000	SLD CTRL PNL BOX (DEEP)	0.048 MIN. G90U GALV STEEL	1
3	911900	SLD CTRL PNL BOX SIDE	0.048 MIN. G90U GALV STEEL	2

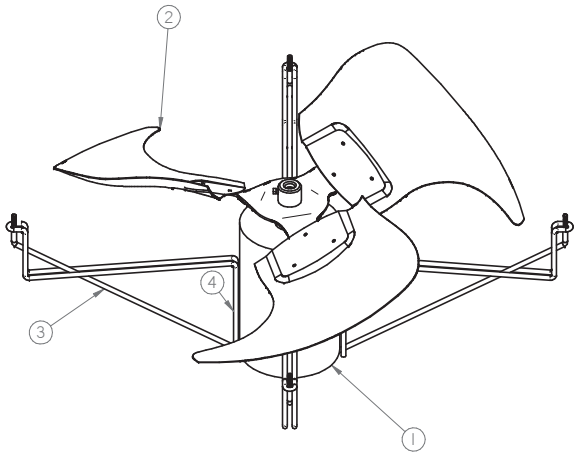




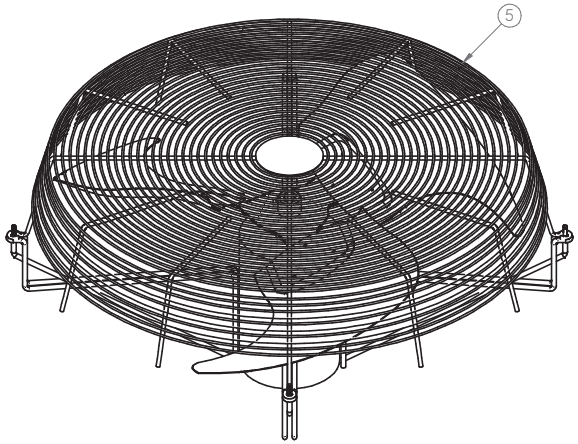


RONALD A. CRIBBS LICENSE No 61034 STATE OF FLORIDA PROFESSIONAL ENGINEER

					KRACK CORPORATION
					MATERIAL:
					DESCRIPTION: SDP CTRLBOX 7IN
0		RELEASED	G.B.	7/15/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"			THIRD ANGLE PROJECTION		SCALE: / SHEET# / PART NO: E152227
					DRAWN BY: G.B. DATE: 7/15/02



NUMBER	ITEM	DESCRIPTION	QTY
1	E205492IN	MOTOR 1.5HP 230/460/60/3/1140	1
2	E205493	30 DIA FAN 24 DEG CW 5/8 BORE	1
3	E280793	MOTOR BRACKET	2
4	80034	MOTOR RING 56 FRAME LEV-SM	1
5	E280792	FAN GUARD 30" LEV-SM-PC	1





NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

SHEET 1 OF 1

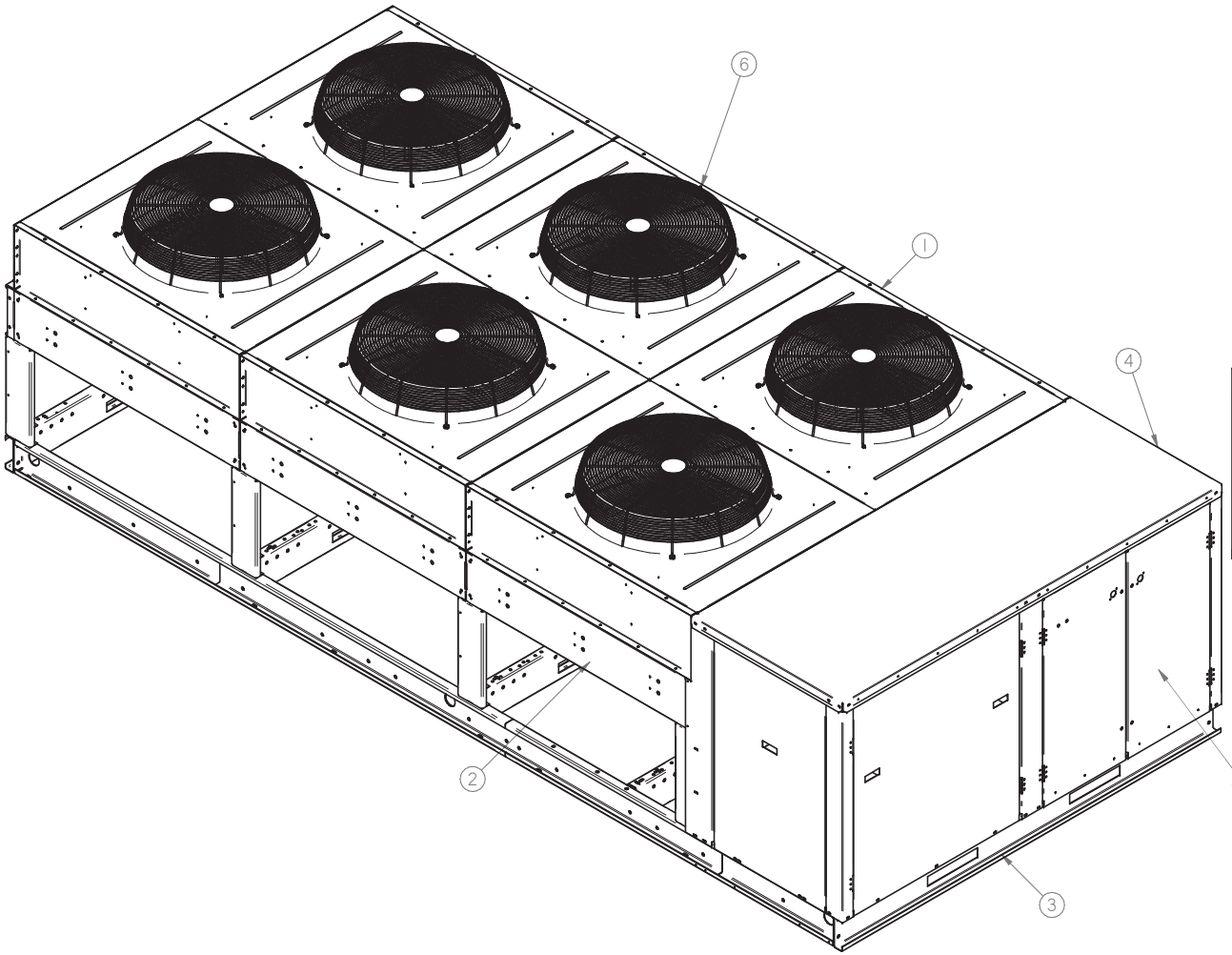
HUSSMANN®

MOTOR ASSY SLD 1.5HP 1140 230/

P/N E110883001 REV A

GDF 3.0 SHEET SIZE D

REVISION HISTORY						
REV	ECN	DATE	REVISION DESCRIPTION	REV BY	CHKD BY	APPR BY
A		1/24/19	INITIAL RELEASED	JS	JS	JS



NUMBER	ITEM	DESCRIPTION	QTY
1	HCLCU2W6F	HOUSING CLCU 2WIDE 6FAN	1
2	LEV2-C2W6F	LEV2 COIL 2WIDE 6FAN	1
3	SDPB23F6D	SDP DBSX BASE 23	1
4	SDPDBSXHSG	HOUSING,S SEMI-HERM 2 FAN WIDE	1
5	SDP CTRLBOX 7IN	CNTRLBOX; 7 INCH DEEP SLD	1
6	E11088300I	MOTOR ASSY SLD 1.5HP 1140 230/	6

RONALD A. CRIBBS LICENSE No 61034 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

SHEET 1 OF 1

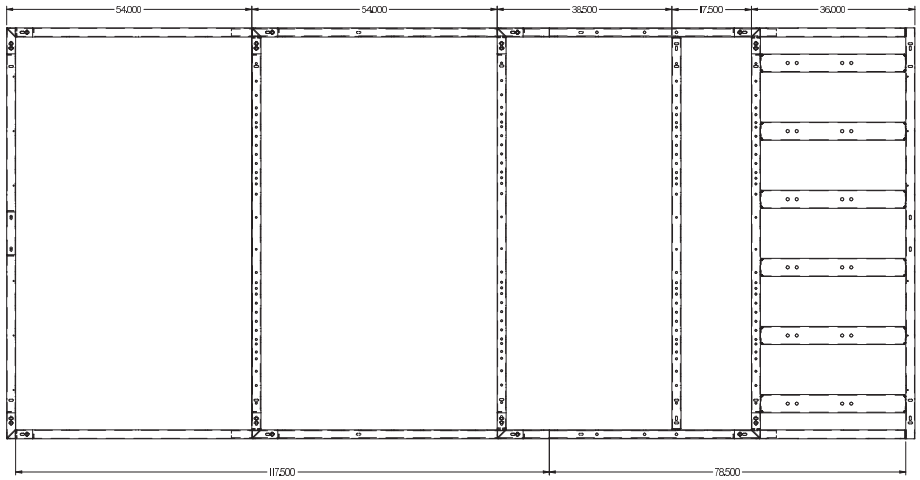
HUSSMANN®

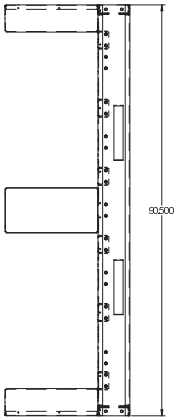
CD-23

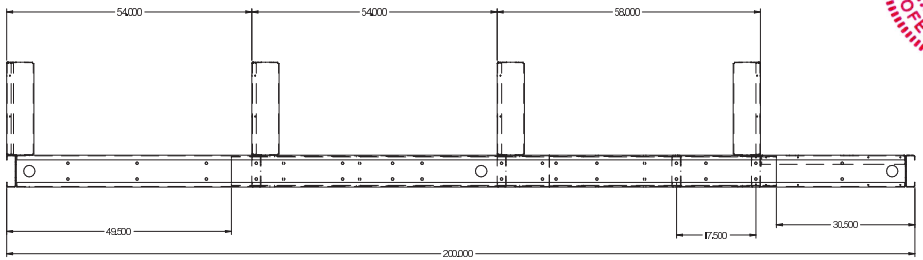
P/N CD-23 REV A

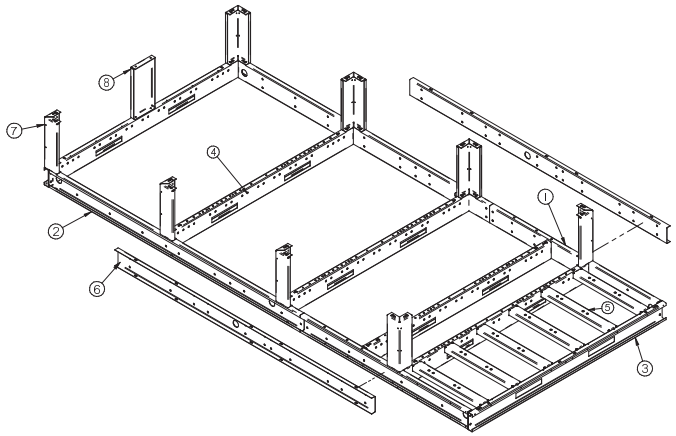
GDF 3.0 SHEET SIZE D

Item Number	Document Number	Title	Material	Quantity
1	900500	SLD CHNL LATL (78 1/2")	CU15 MIN. G90U GALV STEEL	2
2	900800	SLD CHNL LATL (117 1/2)	CU15 MIN. G90U GALV STEEL	2
3	901000	SLD CHNL END (90 1/2")	CU15 MIN. G90U GALV STEEL	2
4	901200	SLD CHNL XBRACE (86 1/2")	CU15 MIN. G90U GALV STEEL	4
5	901300	SLD CHNL COMFR (32")	CU15 MIN. G90U GALV STEEL	6
6	905000	SLD CHNL SPRT LATL (120")	CU15 MIN. G90U GALV STEEL	2
7	901700	SLD LEG (20 1/2")	CU15 MIN. G90U GALV STEEL	8
8	908000	SLD LEG CNTR (20 1/2")	CU15 MIN. G90U GALV STEEL	1



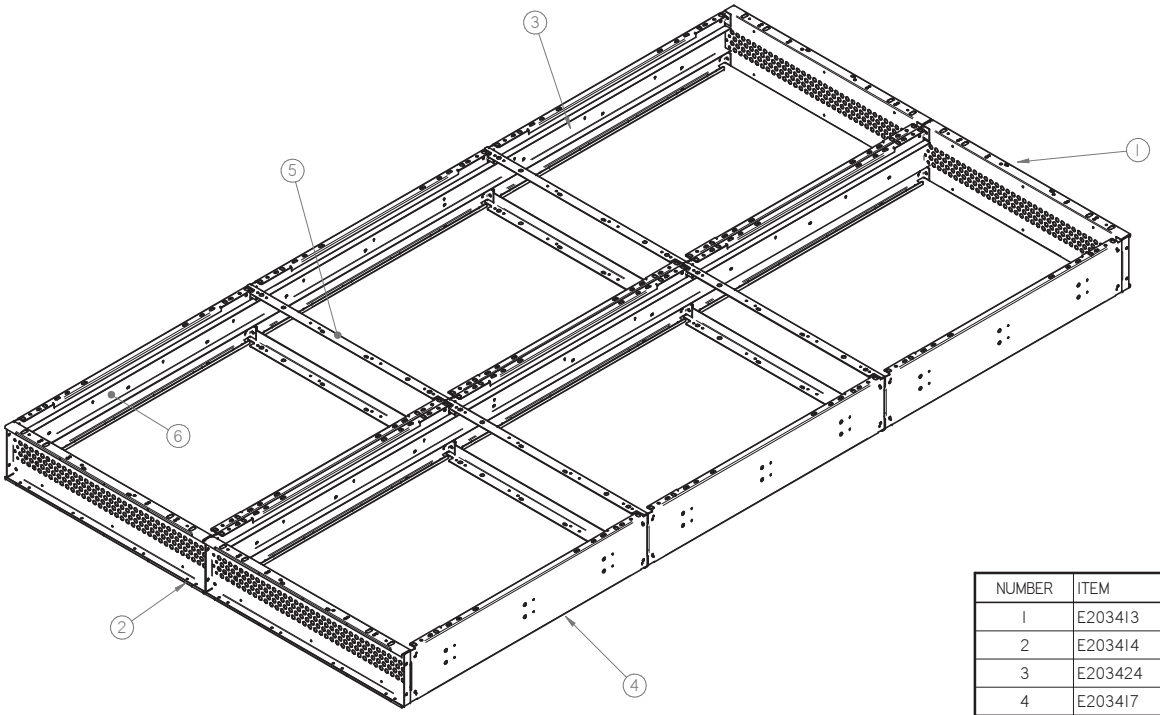






RONALD A. CRIBBS
LICENSE
No 61034
STATE OF FLORIDA
PROFESSIONAL ENGINEER

					KRACK CORPORATION
					MATERIAL:
					DESCRIPTION: Drawing Assy SDP DBSX BASE 23_6D
1		RELEASED	G.B.	5/6/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"		THIRD ANGLE PROJECTION			SCALE: / SHEET# / PART NO: 906500
					DRAWN BY: G.B. / DATE: 05.06.02



NUMBER	ITEM	DESCRIPTION	MATERIAL	QTY
1	E203413	LEV2 ENDPLT 0.375" 36X4 LH RB	SG90U .058 (.0635 NOM) 40X120	2
2	E203414	LEV2 ENDPLT 0.375" 36X4 RH HDR	SG90U .058 (.0635 NOM) 40X120	2
3	E203424	LEV2 C CHANNEL 162" 3F	SG90U .048 (.0516 NOM) 48X165	4
4	E203417	LEV2 COIL BAFFLE	42X57 .085 G90U GALV. SHT	12
5	E203418	LEV2 COIL CROSS SUPT	SG90U .085 (13GA .0934) 52X120	8
6*	E150966	LEV TRUNCATE TBE SHT 0.375" 4R	SG90U .058 (.0635 NOM) 40X120	64
7*	SSTU08	TUBE SS304 3/80Dx111.63x.012W	TUBE SS 3/8	16
8*	T06C1411170	TUBE CU .375; .014 X 117.000 R	TUBE CU 3/8	272 (125.46 LB)
9*	FA1003603A05	Fin 1038-36-3 Al-.005NS	AL .005	216 IN (164.1 LB)

NUMBERS: 6 - 7 - 8 - 9

ITEMS ARE INSTALLED INSIDE OF THE C CHANNEL (NUMBER-3)

RONALD A. CRIBBS LICENSE No 61034 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL ◈
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

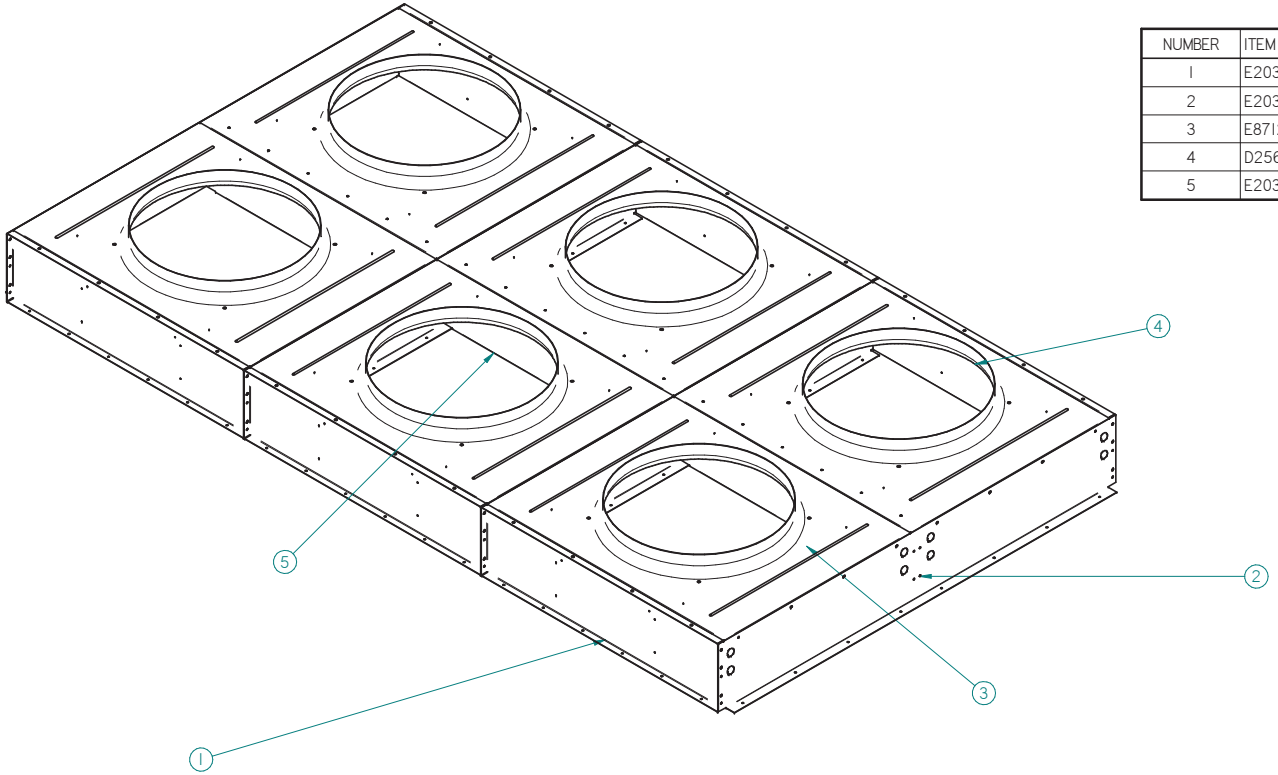
SHEET 1 OF 1

HUSSMANN®

LEV2 COIL 1WIDE 3FAN

P/N LEV2-C2W6F REV A

GDF 3.0 SHEET SIZE D



NUMBER	ITEM	DESCRIPTION	QTY
1	E203581	PLENUM SIDE PANEL	6
2	E203434	LEV2 PLENUM END/CENTER 2W	2
3	E87128P	FAN PANEL 30" LEV2 1W & 2W NAR	3
4	D256804P	FAN PANEL 30" DIA FANS 2 WIDE	3
5	E203435	PLENUM PARITION 2W LEV2	2



NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

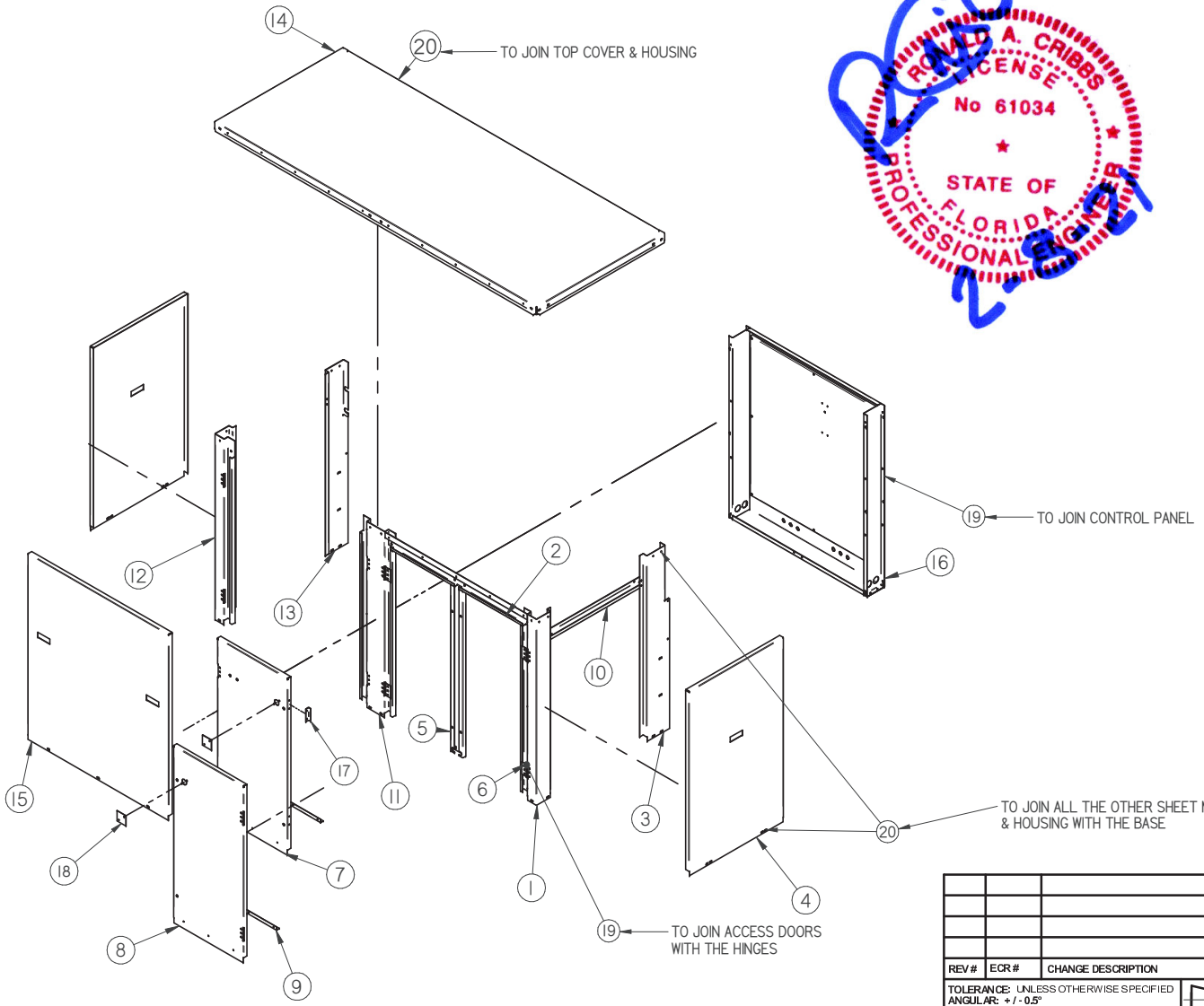
SHEET 1 OF 1

HUSSMANN®

HOUSING CLCU
2WIDE 6FANS

P/N HCLCU2W6F REV A

GDF 3.0 SHEET SIZE D



Item	Part #	Title	Material	QTY.
1	904702	SLD PNL POST CORNER FR RH	SG90U ASTM A653 (12GA .1084 NOM)	1
10	904001	SLD CHNL (MTR WIRE)	SG90U ASTM A653 (12GA .1084 NOM)	1
11	903100	SLD PNL POST CNTR	SG90U ASTM A653 (12GA .1084 NOM)	1
12	904701	SLD PNL POST CORNER FR LH	SG90U ASTM A653 (12GA .1084 NOM)	1
13	902801	SLD PNL POST INTR LH	SG90U ASTM A653 (12GA .1084 NOM)	1
14	902700	SLD PNL TOP	SG90U ASTM A653 (12GA .1084 NOM)	1
15	903600	SLD PNL ACCESS	SG90U ASTM A653 (12GA .1084 NOM)	1
16	E152226	SDP CTRLBOX 5 IN ASSY		1
17	904800	SLD DOOR SFTY INTLK	0.058 MIN. G90U GALV STEEL	1
18	905500	SLD DOOR COVER PLATE	0.058 MIN. G90U GALV STEEL	2
19	05385	#14X3/4 TYPE AB HHSMS ZP SCREW	SEE SPEC	70
2	904600	SLD PNL POST INTR OF CTR PNL	SG90U ASTM A653 (12GA .1084 NOM)	1
20	E312774	10-16X3/4"TEK2 HXWSHR HD SD SW	SEE SPEC	28
21	05454	RIVET-0.25 DIA X 0.125-0.375 GRIP	SEE SPEC	38
3	902802	SLD PNL POST INTR RH	SG90U ASTM A653 (12GA .1084 NOM)	1
4	903501	SLD PNL ACCESS	SG90U ASTM A653 (12GA .1084 NOM)	2
5	903400	SLD DOOR POST (CNTR)	SG90U ASTM A653 (12GA .1084 NOM)	1
6	E306001	SLD HINGE 3X3" SS ASSY		4
7	901800	SLD DOOR LH	SG90U ASTM A653 (12GA .1084 NOM)	1
8	901900	SLD DOOR RH	SG90U ASTM A653 (12GA .1084 NOM)	1
9	902400	SLD CTRL PNL DOOR SPRT	SG90U ASTM A653 (12GA .1084 NOM)	2

REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:

TOLERANCE: UNLESS OTHERWISE SPECIFIED
ANGULAR: +/- 0.5°
DECIMAL: +/- 0.031"

THIRD ANGLE PROJECTION

KRACK CORPORATION

MATERIAL:

DESCRIPTION: SDP DBSX HSG 2X

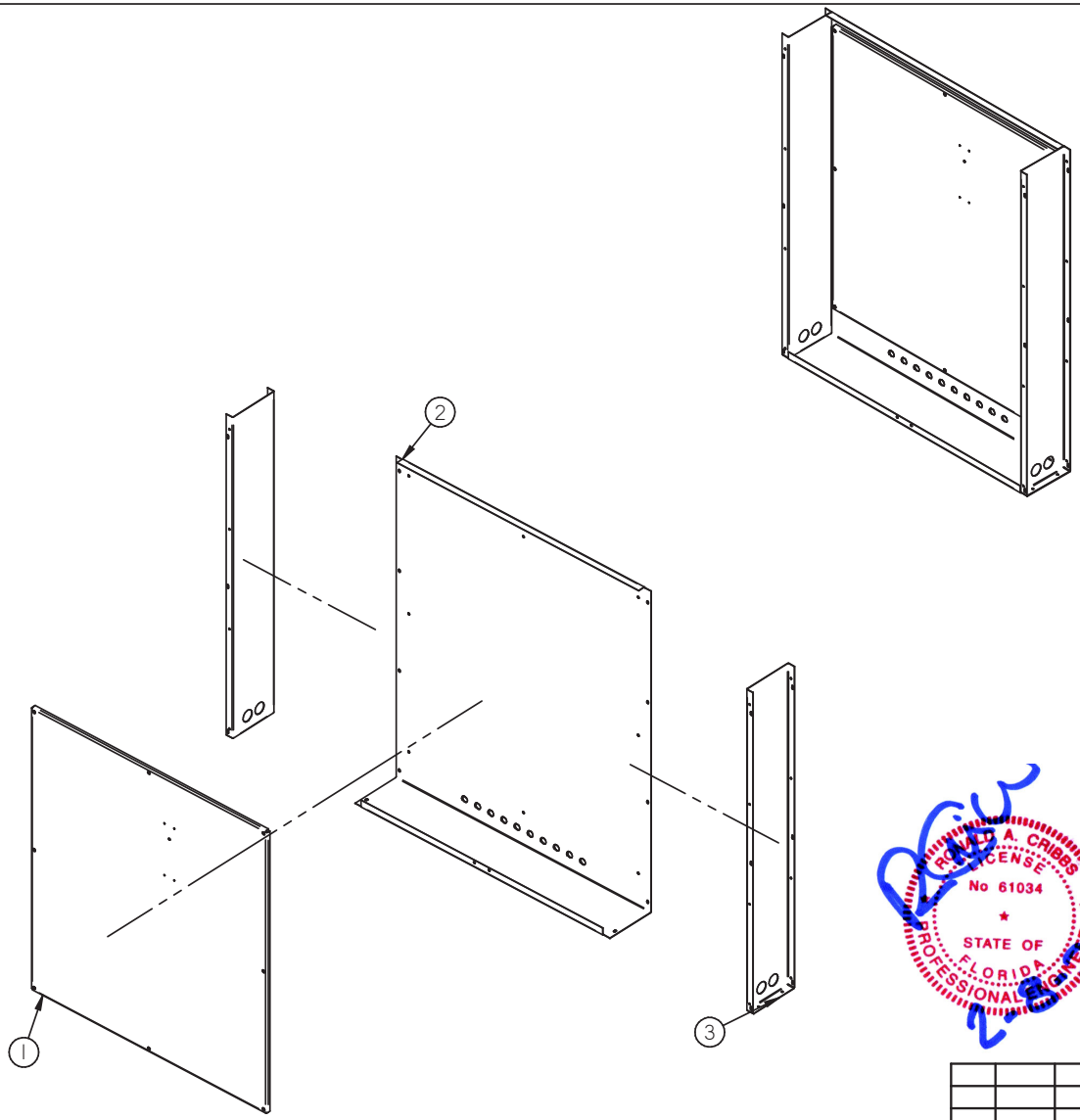
MODEL: SLD | JOB NO:

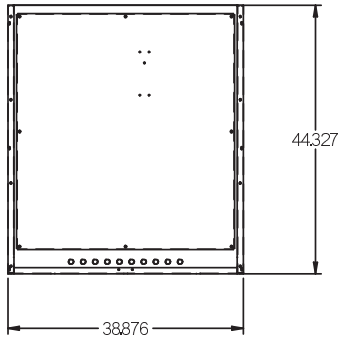
SCALE: | SHEET#

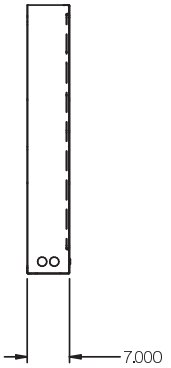
DRAWN BY: G.B. | DATE: 7/15/02

PART NO: **HIGHWIND**

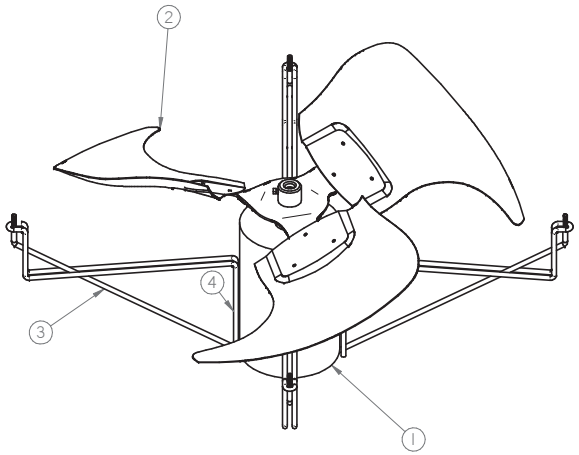
Item	Part #	Title	Material	QTY.
1	902100	SLD CTRL SUB PNL	0.085 MIN. G90U GALV STEEL	1
2	912000	SLD CTRL PNL BOX (DEEP)	0.048 MIN. G90U GALV STEEL	1
3	911900	SLD CTRL PNL BOX SIDE	0.048 MIN. G90U GALV STEEL	2



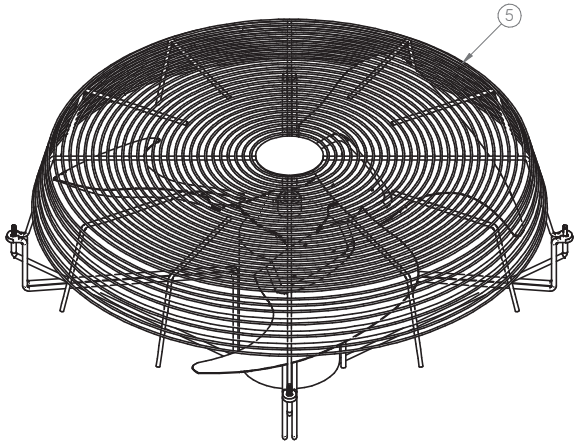


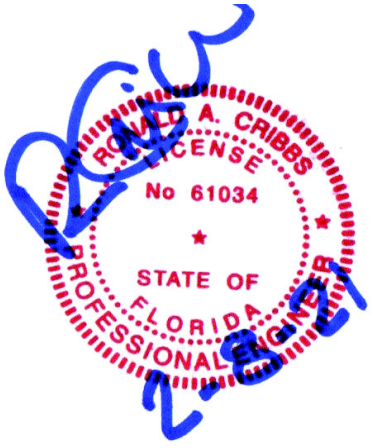


					KRACK CORPORATION
					MATERIAL:
					DESCRIPTION: SDP CTRLBOX 7IN
0		RELEASED	G.B.	7/15/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"		THIRD ANGLE PROJECTION			SCALE: / SHEET# / PART NO: E152227 DRAWN BY: G.B. / DATE: 7/15/02



NUMBER	ITEM	DESCRIPTION	QTY
1	E205492IN	MOTOR 1.5HP 230/460/60/3/1140	1
2	E205493	30 DIA FAN 24 DEG CW 5/8 BORE	1
3	E280793	MOTOR BRACKET	2
4	80034	MOTOR RING 56 FRAME LEV-SM	1
5	E280792	FAN GUARD 30" LEV-SM-PC	1





NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL ⟨K⟩
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

SHEET 1 OF 1

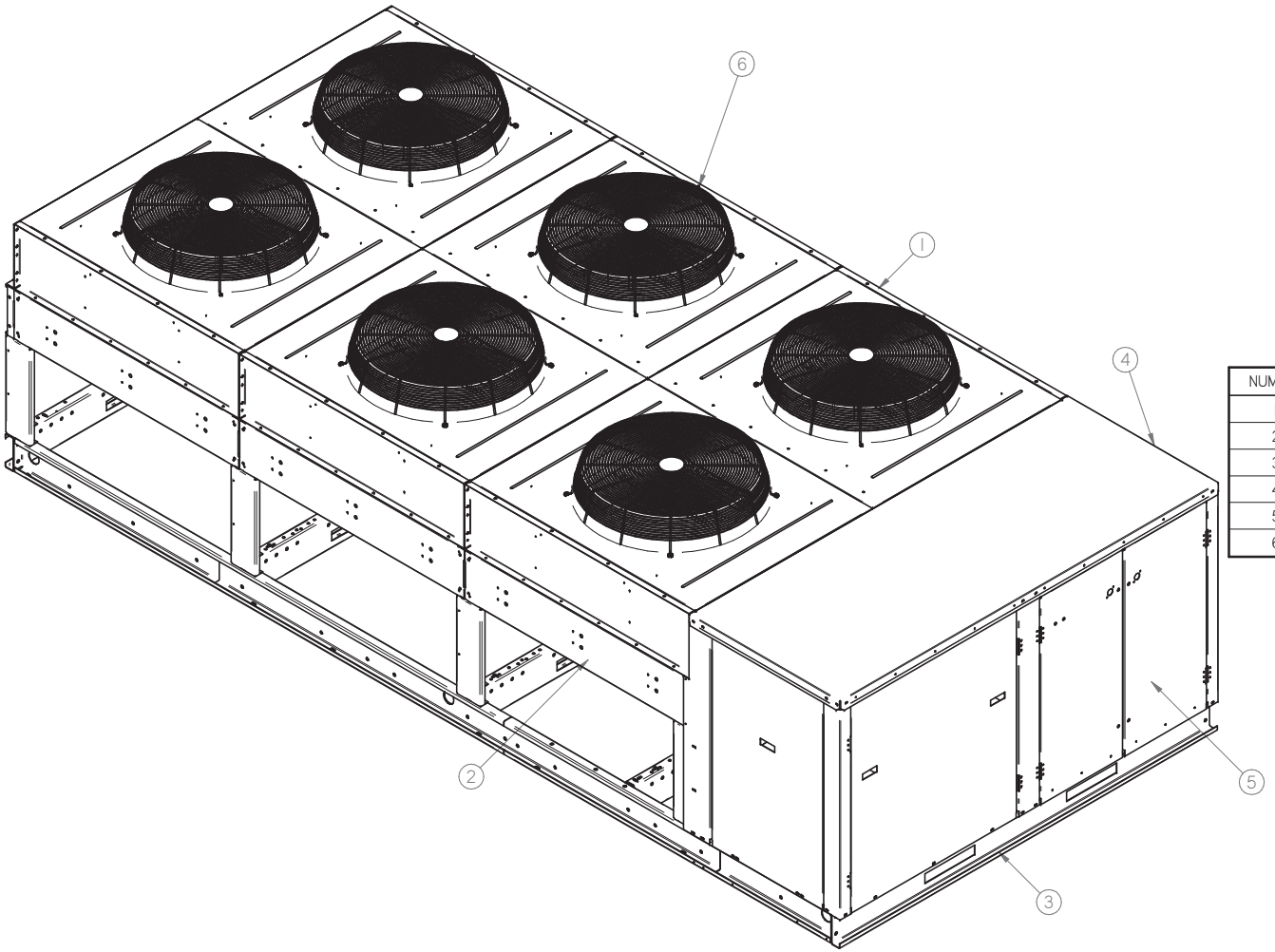
HUSSMANN®

MOTOR ASSY SLD 1.5HP 1140 230/

P/N E110883001 REV A

GDF 3.0 SHEET SIZE D

REVISION HISTORY						
REV	ECN	DATE	REVISION DESCRIPTION	REV BY	CHKD BY	APPR BY
A		1/24/19	INITIAL RELEASED	JS	JS	JS



NUMBER	ITEM	DESCRIPTION	QTY
1	HCLCU2W6F	HOUSING CLCU 2WIDE 6FAN	1
2	LEV2-C2W6F	LEV2 COIL 2WIDE 6FAN	1
3	SDPB23F6D	SDP DBSX BASE 23	1
4	SDPDBSXHSG	HOUSING,S SEMI-HERM 2 FAN WIDE	1
5	SDP CTRLBOX 7IN	CNTRLBOX; 7 INCH DEEP SLD	1
6	E11088300I	MOTOR ASSY SLD 1.5HP 1140 230/	6

RONALD A. CRIBBS
LICENSE
No 61034
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

SHEET 1 OF 1

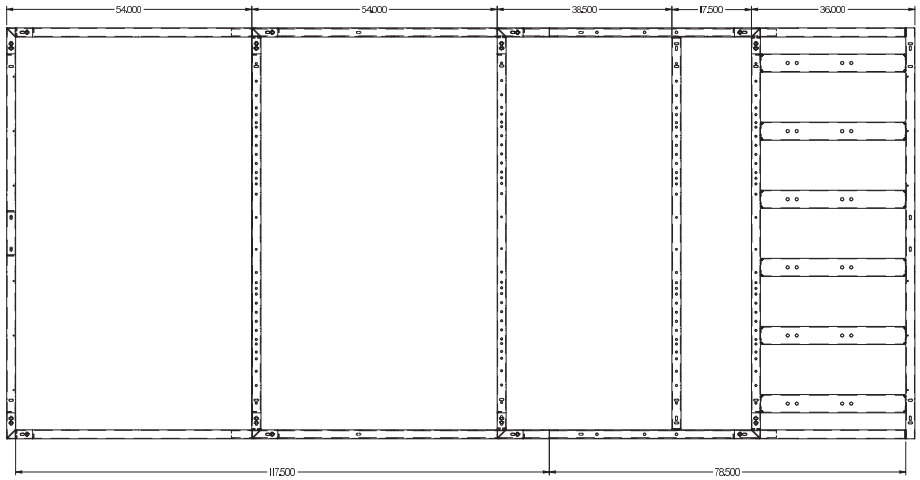
HUSSMANN®

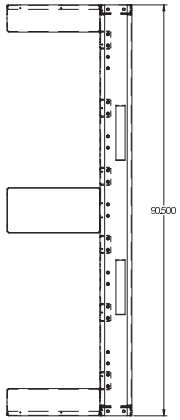
CP-23

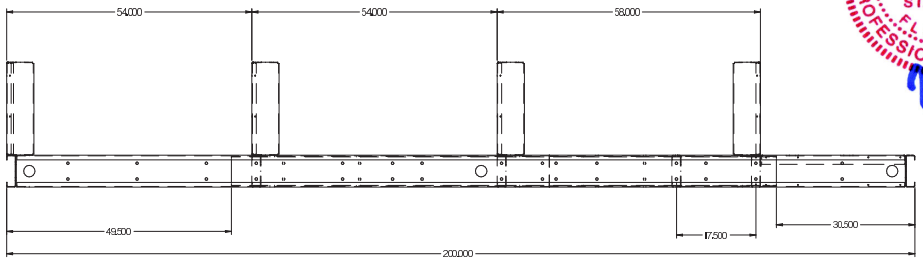
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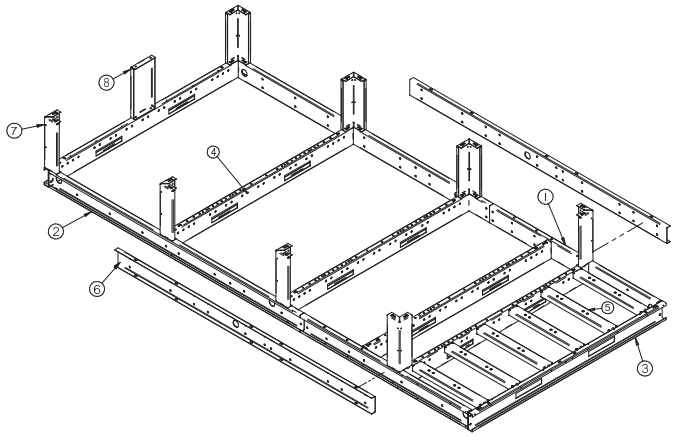
GDF 3.0 SHEET SIZE D

Item Number	Document Number	Title	Material	Quantity
1	900500	SLD CHNL LATL (78 1/2")	CU15 MIN. G90U GALV STEEL	2
2	900800	SLD CHNL LATL (117 1/2)	CU15 MIN. G90U GALV STEEL	2
3	901000	SLD CHNL END (90 1/2")	CU15 MIN. G90U GALV STEEL	2
4	901200	SLD CHNL XBRACE (86 1/2")	CU15 MIN. G90U GALV STEEL	4
5	901300	SLD CHNL COMFR (32")	CU15 MIN. G90U GALV STEEL	6
6	905000	SLD CHNL SPRT LATL (120")	CU15 MIN. G90U GALV STEEL	2
7	901700	SLD LEG (20 1/2")	CU15 MIN. G90U GALV STEEL	8
8	908000	SLD LEG CNTR (20 1/2")	CU15 MIN. G90U GALV STEEL	1



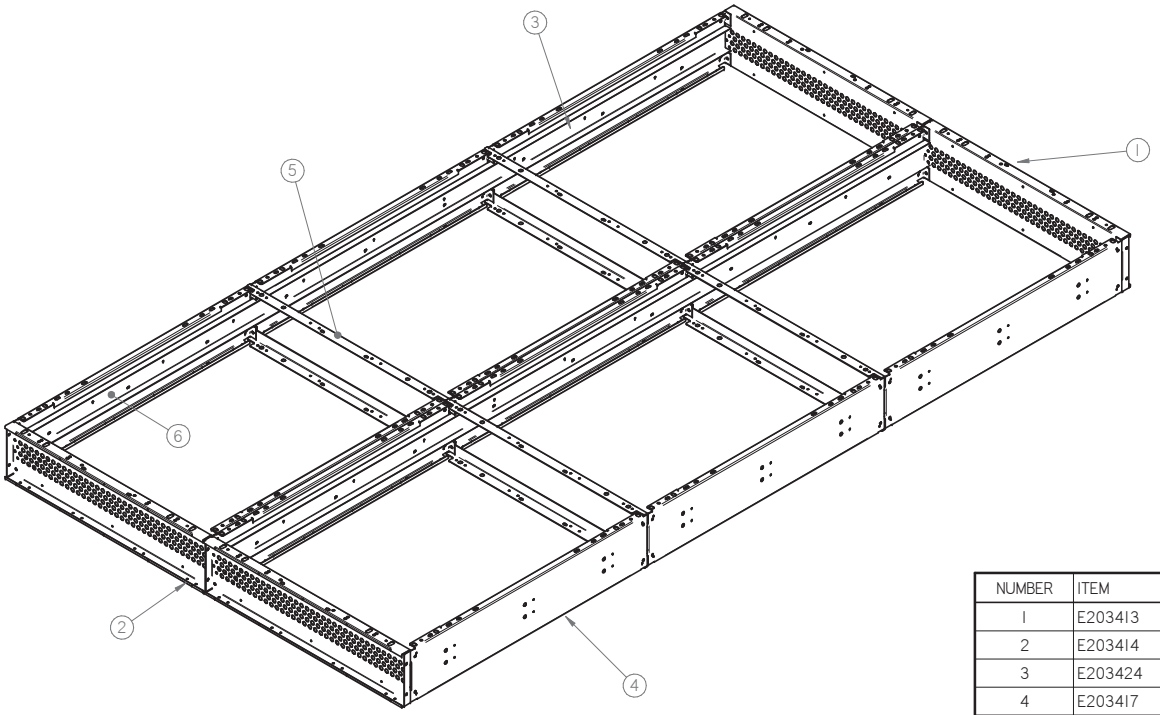






RONALD A. CRIBBS
LICENSE
No 61034
STATE OF FLORIDA
PROFESSIONAL ENGINEER

					KRACK CORPORATION
					MATERIAL:
					DESCRIPTION: Drawing Assy SDP DBSX BASE 23_6D
1		RELEASED	G.B.	5/6/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"		THIRD ANGLE PROJECTION			SCALE: / SHEET# / PART NO: 906500
					DRAWN BY: G.B. / DATE: 05.06.02





NUMBER	ITEM	DESCRIPTION	MATERIAL	QTY
1	E203413	LEV2 ENDPLT 0.375" 36X4 LH RB	SG90U .058 (.0635 NOM) 40X120	2
2	E203414	LEV2 ENDPLT 0.375" 36X4 RH HDR	SG90U .058 (.0635 NOM) 40X120	2
3	E203424	LEV2 C CHANNEL 162" 3F	SG90U .048 (.0516 NOM) 48X165	4
4	E203417	LEV2 COIL BAFFLE	42X57 .085 G90U GALV. SHT	12
5	E203418	LEV2 COIL CROSS SUPT	SG90U .085 (13GA .0934) 52X120	8
6*	E150966	LEV TRUNCATE TBE SHT 0.375" 4R	SG90U .058 (.0635 NOM) 40X120	64
7*	SSTU08	TUBE SS304 3/80Dx111.63x.012W	TUBE SS 3/8	16
8*	T06C141170	TUBE CU .375; .014 X 117.000 R	TUBE CU 3/8	272 (125.46 LB)
9*	FA1003603A05	Fin 1038-36-3 Al-.005NS	AL .005	216 IN (164.1 LB)

NUMBERS: 6 - 7 - 8 - 9

ITEMS ARE INSTALLED INSIDE OF THE C CHANNEL (NUMBER-3)

NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL ⟨K⟩
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

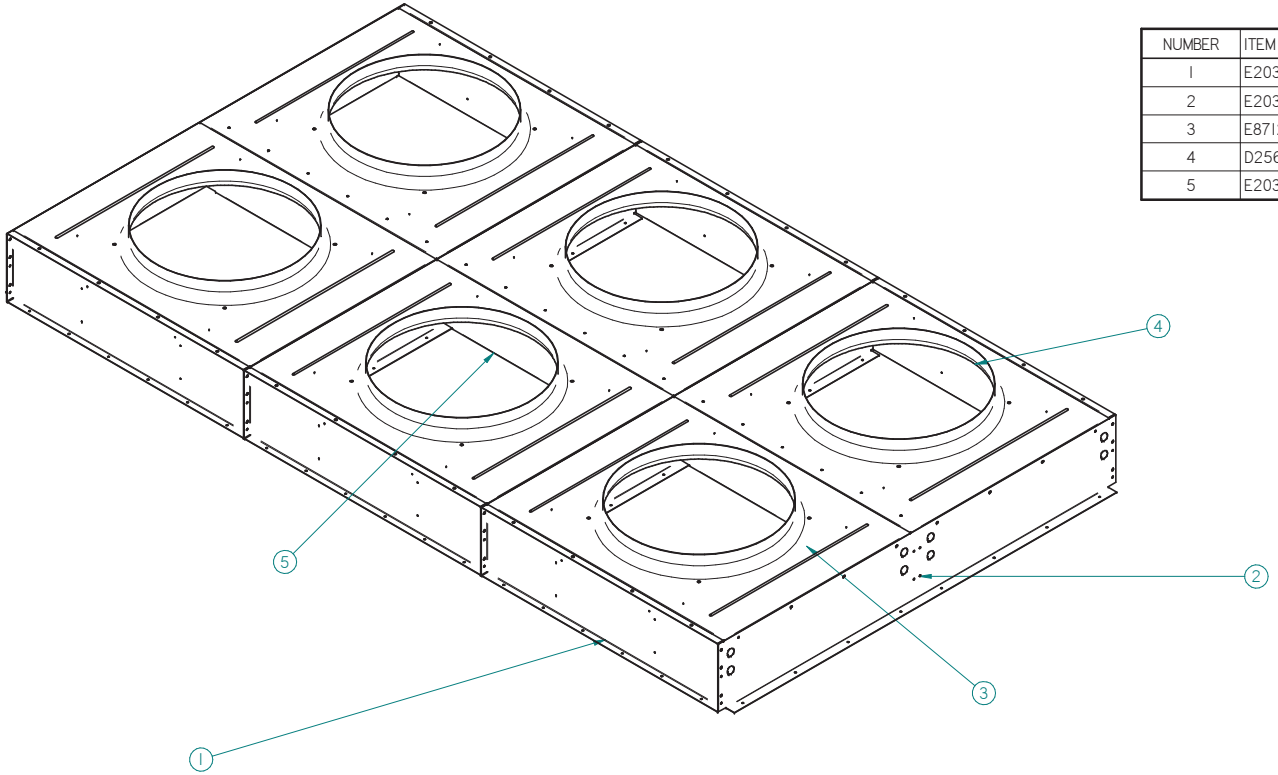
SHEET 1 OF 1

HUSSMANN®

LEV2 COIL 1WIDE 3FAN

P/N LEV2-C2W6F REV A

GDF 3.0 SHEET SIZE D



NUMBER	ITEM	DESCRIPTION	QTY
1	E203581	PLENUM SIDE PANEL	6
2	E203434	LEV2 PLENUM END/CENTER 2W	2
3	E87128P	FAN PANEL 30" LEV2 1W & 2W NAR	3
4	D256804P	FAN PANEL 30" DIA FANS 2 WIDE	3
5	E203435	PLENUM PARITION 2W LEV2	2



NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL ⟨K⟩
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

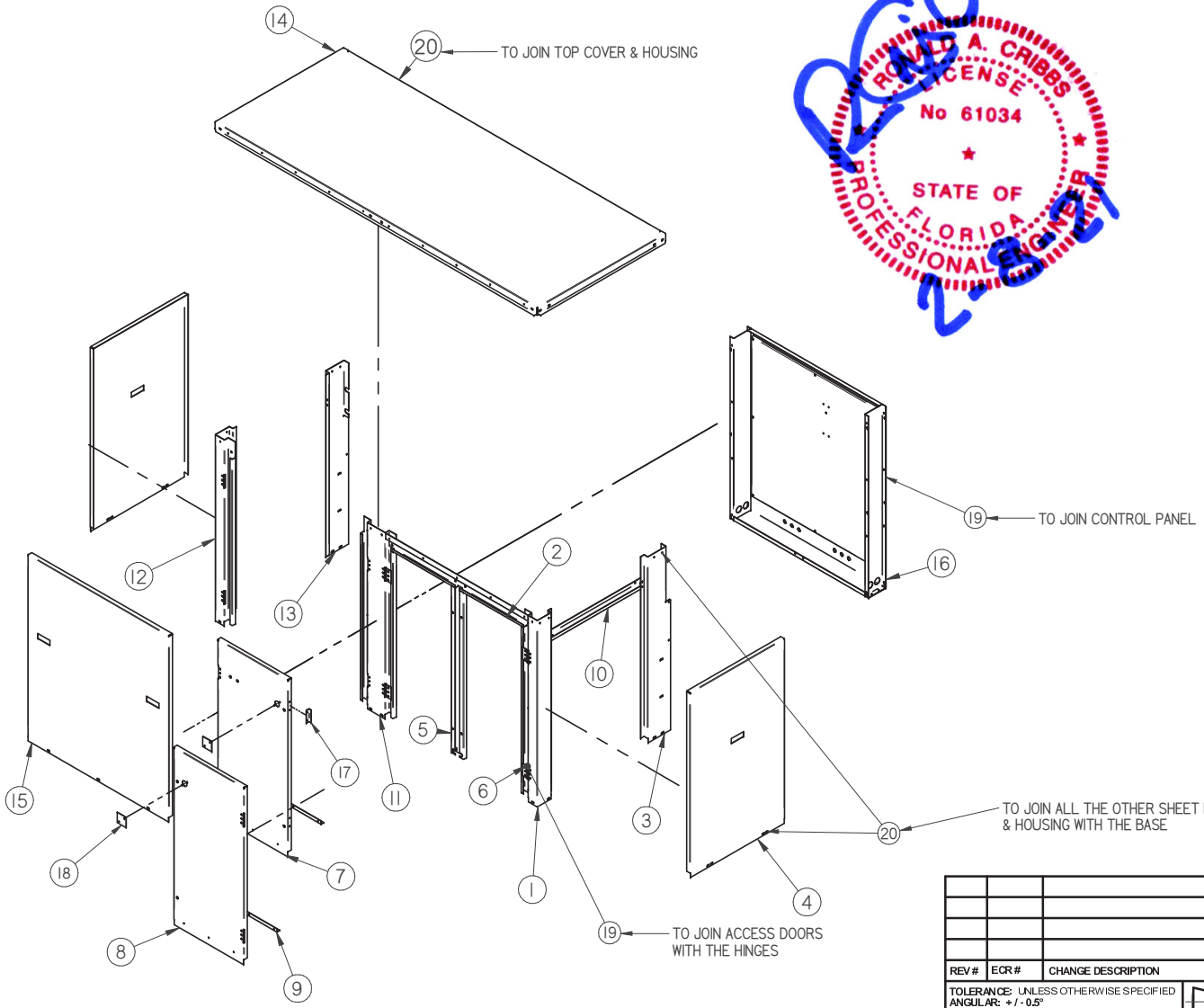
SHEET 1 OF 1

HUSSMANN®

HOUSING CLCU
2WIDE 6FANS

P/N HCLCU2W6F REV A

GDF 3.0 SHEET SIZE D



Item	Part #	Title	Material	QTY.
1	904702	SLD PNL POST CORNER FR RH	SG90U ASTM A653 (12GA .1084 NOM)	1
10	904001	SLD CHNL (MTR WIRE)	SG90U ASTM A653 (12GA .1084 NOM)	1
11	903100	SLD PNL POST CNTR	SG90U ASTM A653 (12GA .1084 NOM)	1
12	904701	SLD PNL POST CORNER FR LH	SG90U ASTM A653 (12GA .1084 NOM)	1
13	902801	SLD PNL POST INTR LH	SG90U ASTM A653 (12GA .1084 NOM)	1
14	902700	SLD PNL TOP	SG90U ASTM A653 (12GA .1084 NOM)	1
15	903600	SLD PNL ACCESS	SG90U ASTM A653 (12GA .1084 NOM)	1
16	E152226	SDP CTRLBOX 5 IN ASSY		1
17	904800	SLD DOOR SFTY INTLK	0.058 MIN. G90U GALV STEEL	1
18	905500	SLD DOOR COVER PLATE	0.058 MIN. G90U GALV STEEL	2
19	05385	#14X3/4 TYPE AB HHSMS ZP SCREW	SEE SPEC	70
2	904600	SLD PNL POST INTR OF CTR PNL	SG90U ASTM A653 (12GA .1084 NOM)	1
20	E312774	10-16X3/4"TEK2 HXWSHR HD SD SW	SEE SPEC	28
21	05454	RIVET-0.25 DIA X 0.125-0.375 GRIP	SEE SPEC	38
3	902802	SLD PNL POST INTR RH	SG90U ASTM A653 (12GA .1084 NOM)	1
4	903501	SLD PNL ACCESS	SG90U ASTM A653 (12GA .1084 NOM)	2
5	903400	SLD DOOR POST (CNTR)	SG90U ASTM A653 (12GA .1084 NOM)	1
6	E306001	SLD HINGE 3X3" SS ASSY		4
7	901800	SLD DOOR LH	SG90U ASTM A653 (12GA .1084 NOM)	1
8	901900	SLD DOOR RH	SG90U ASTM A653 (12GA .1084 NOM)	1
9	902400	SLD CTRL PNL DOOR SPRT	SG90U ASTM A653 (12GA .1084 NOM)	2

REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:

TOLERANCE: UNLESS OTHERWISE SPECIFIED
ANGULAR: +/- 0.5°
DECIMAL: +/- 0.031"

THIRD ANGLE PROJECTION

KRACK CORPORATION

MATERIAL:

DESCRIPTION: SDP DBSX HSG 2X

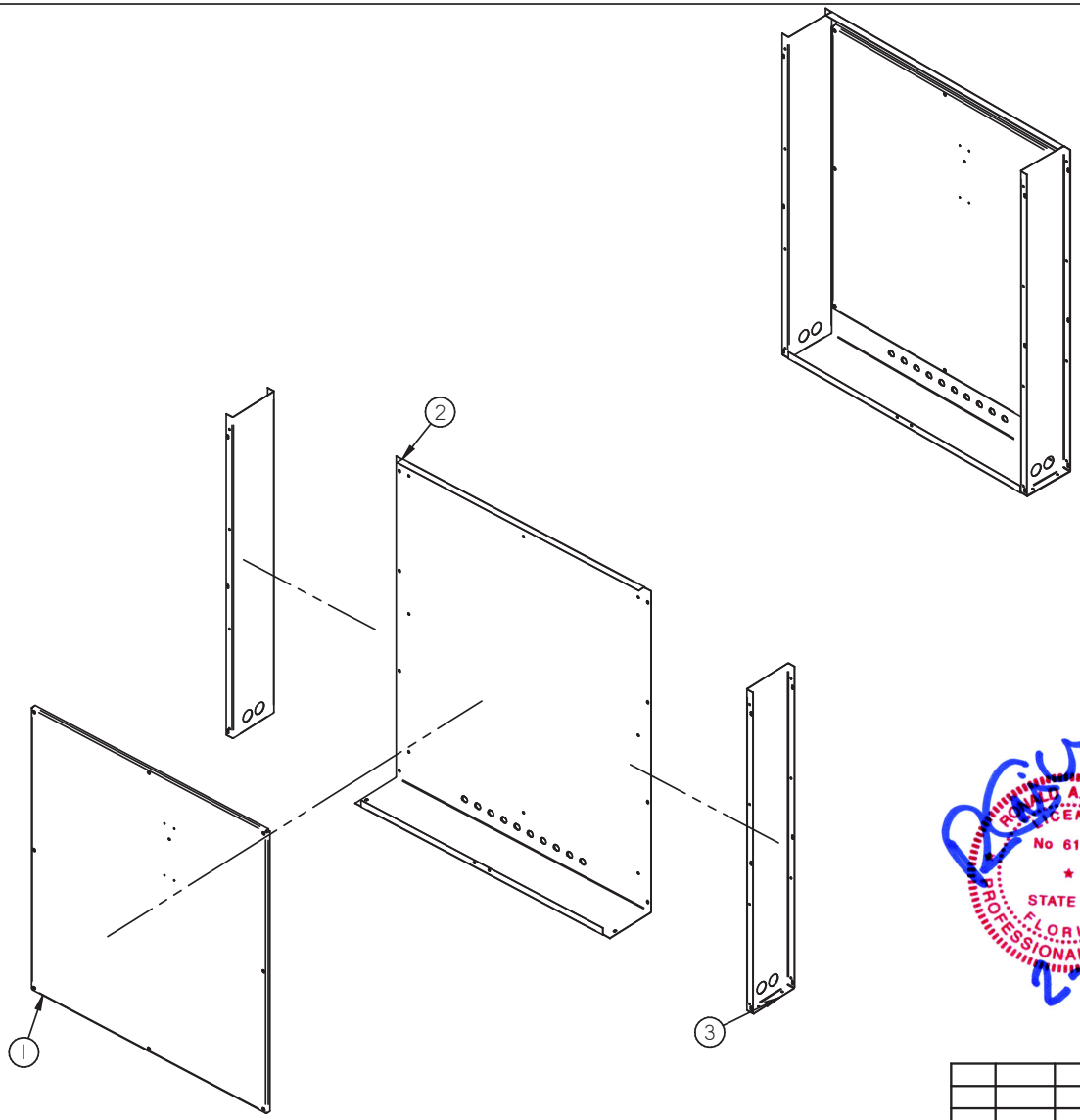
MODEL: SLD | JOB NO:

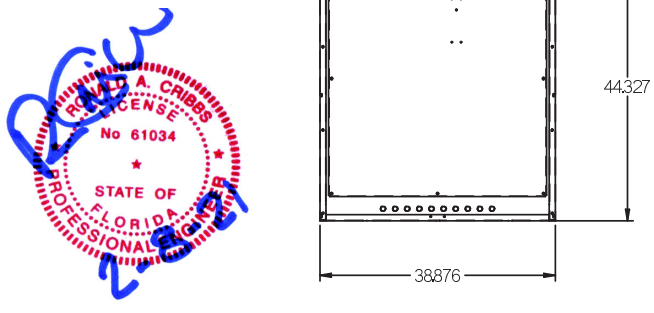
SCALE: | SHEET#

DRAWN BY: G.B. | DATE: 7/15/02

PART NO: **HIGHWIND**

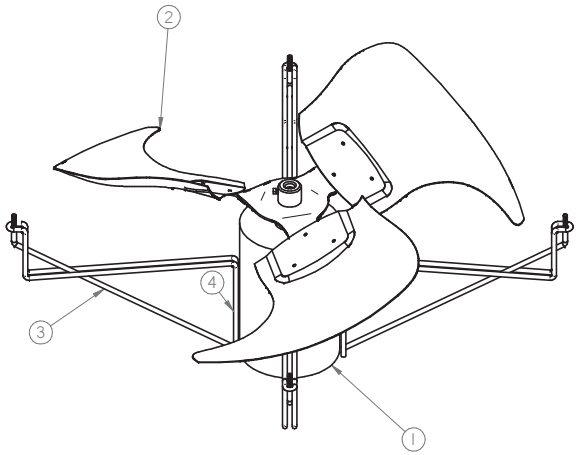
Item	Part #	Title	Material	QTY.
1	902100	SLD CTRL SUB PNL	0.085 MIN. G90U GALV STEEL	1
2	912000	SLD CTRL PNL BOX (DEEP)	0.048 MIN. G90U GALV STEEL	1
3	911900	SLD CTRL PNL BOX SIDE	0.048 MIN. G90U GALV STEEL	2



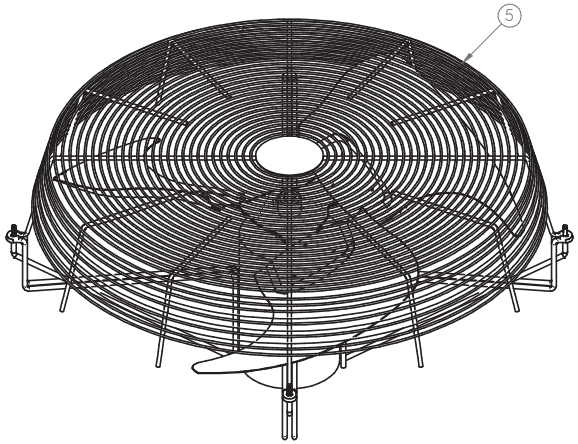


RONALD A. CRIBBS
LICENSE
No 61034
STATE OF FLORIDA
PROFESSIONAL ENGINEER

					KRACK CORPORATION
					MATERIAL:
					DESCRIPTION: SDP CTRLBOX 7IN
0		RELEASED	G.B.	7/15/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"			THIRD ANGLE PROJECTION		SCALE: / SHEET# / PART NO: E152227
					DRAWN BY: G.B. DATE: 7/15/02



NUMBER	ITEM	DESCRIPTION	QTY
1	E205492IN	MOTOR 1.5HP 230/460/60/3/1140	1
2	E205493	30 DIA FAN 24 DEG CW 5/8 BORE	1
3	E280793	MOTOR BRACKET	2
4	80034	MOTOR RING 56 FRAME LEV-SM	1
5	E280792	FAN GUARD 30" LEV-SM-PC	1





NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

SHEET 1 OF 1

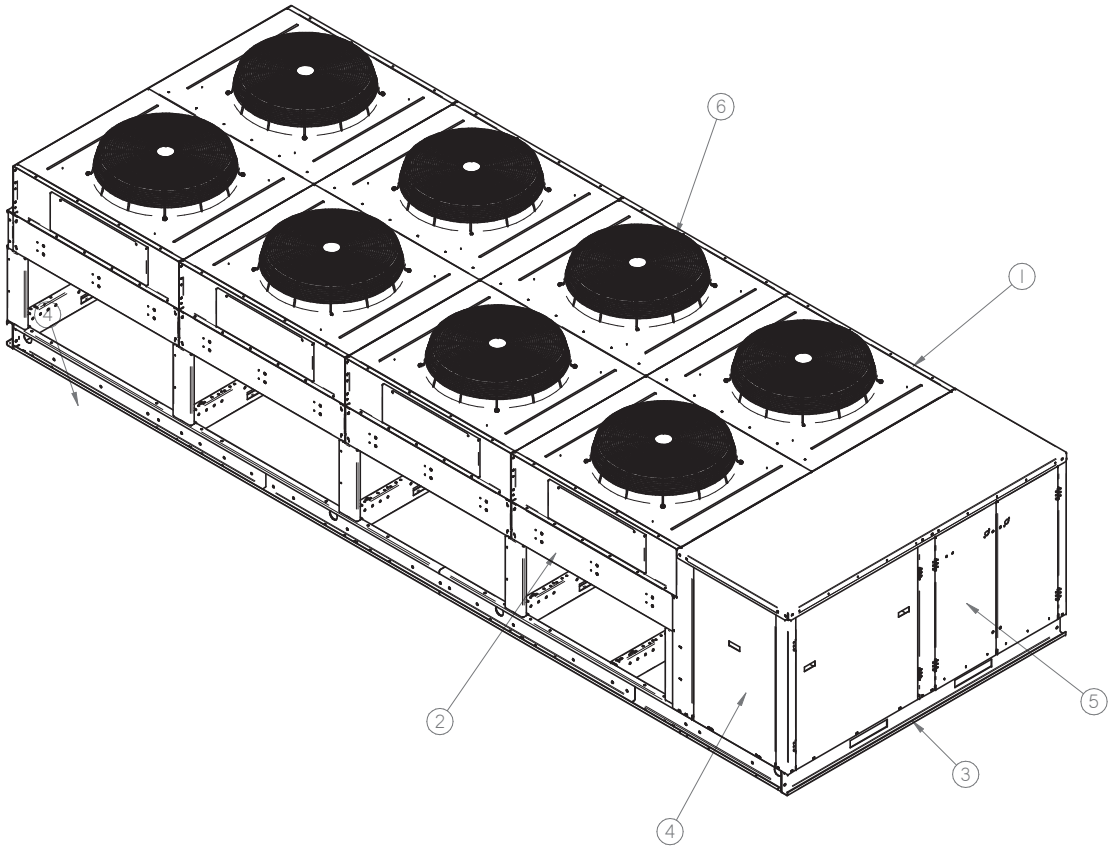
HUSSMANN®

MOTOR ASSY SLD 1.5HP 1140 230/

P/N E110883001 REV A

GDF 3.0 SHEET SIZE D

REVISION HISTORY						
REV	ECN	DATE	REVISION DESCRIPTION	REV BY	CHKD BY	APPR BY
A		1/22/21	INITIAL RELEASED	JS	JS	JS



NUMBER	ITEM	DESCRIPTION	QTY
1	LEVSLDH29	HOUSING 2WIDE 8FAN	1
2	LEV2-C2W8F	LEV2 COIL 2WIDE 8FAN	1
3	SDPB24F6D	SDP DBSX BASE 24	1
4	SDPDBSXHSG	HOUSING,S SEMI-HERM 2 FAN WIDE	1
5	SDP CTRLBOX 7IN	CNTRLBOX; 7 INCH DEEP SLD	1
6	E11088300I	MOTOR ASSY SLD 1.5HP 1140 230/	8

RONALD A. CRIBBS
LICENSE
No 61034
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

SHEET 1 OF 1

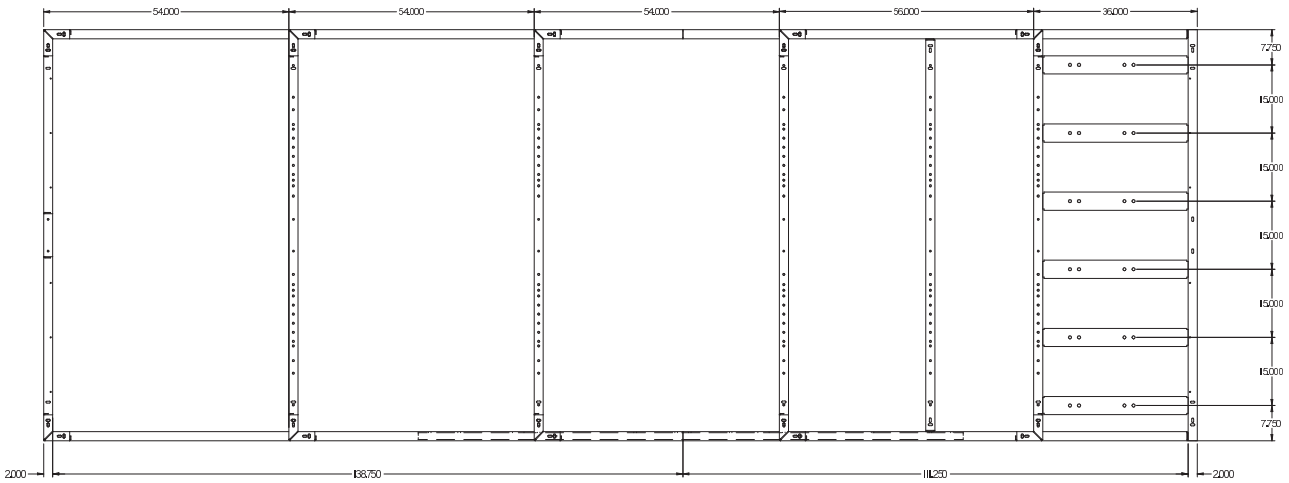
HUSSMANN®

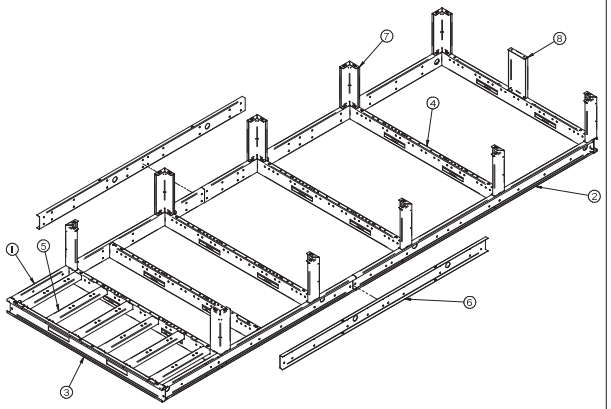
CD-24

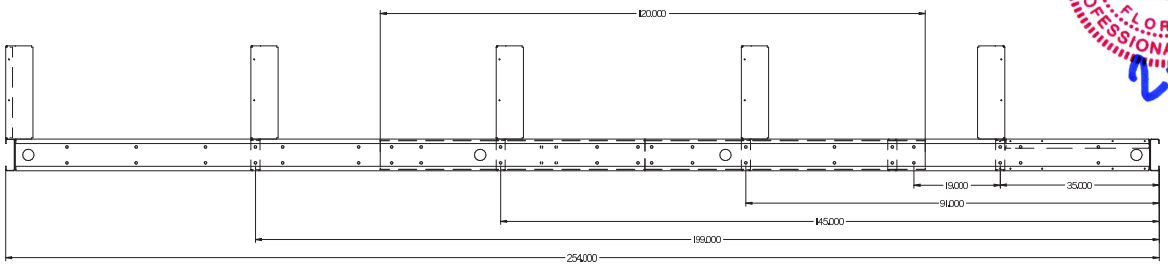
P/N CD-24 REV A

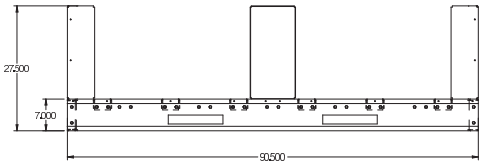
GDF 3.0 SHEET SIZE D

Item Number	Document Number	Title	Material	Quantity
1	908300	SLD CHNL LATL (111.25")	0.115 MIN 090U GALV STEEL	2
2	EII52278	SLD CHNL LATL (138.75")	0.115 MIN 090U GALV STEEL	2
3	901000	SLD CHNL END (90 1/2")	0.115 MIN 090U GALV STEEL	2
4	901200	SLD CHNL XBRACE (86 1/2")	0.115 MIN 090U GALV STEEL	5
5	901300	SLD CHNL COMPR (32")	0.115 MIN 090U GALV STEEL	6
6	908700	SLD CHNL SPRT LATL (120")	0.115 MIN 090U GALV STEEL	2
7	901700	SLD LEG (20 1/2")	0.115 MIN 090U GALV STEEL	10
8	908000	SLD LEG CNTR (20 1/2")	0.115 MIN 090U GALV STEEL	1



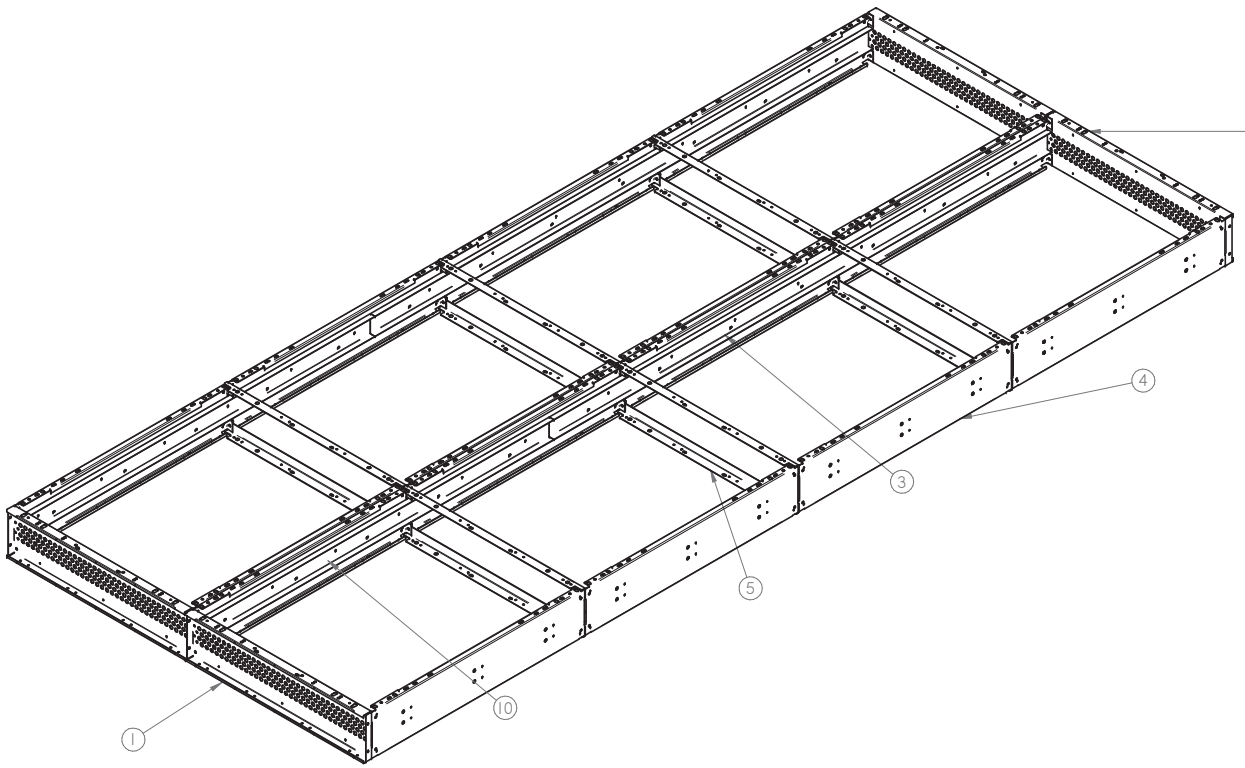






RICHARD A. CRIBBS
LICENSE
No 61034
STATE OF FLORIDA
PROFESSIONAL ENGINEER

					KRACK CORPORATION
					MATERIAL:
					DESCRIPTION: Drawing Assy SDP DBSX BASE 24_6D
1		RELEASED	G.B.		
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"			THIRD ANGLE PROJECTION		SCALE: / SHEET# / PART NO: 908900
					DRAWN BY: G.B. / DATE: 10/11/02



NUMBER	ITEM	DESCRIPTION	QTY
1	E203413	LEV2 ENDPLT 0.375" 36X4 LH RB	2
10	E203420	CHANNEL C 90"	4
2	E203414	LEV2 ENDPLT 0.375" 36X4 RH HDR	2
3	E203422	CHANNEL C 126"	4
4	E203417	LEV2 COIL BAFFLE	16
5	E203418	LEV2 COIL CROSS SUPT	12
6*	E150966	LEV TRUNCATE TBE SHT 0.375" 4R	88
7*	SSTU0	TUBE SS304 3/80Dx220x.012W	8
8*	T06C142160	TUBE CU .375; .014 X 226.000 R	272 (230 LB)
9*	FA1003604A05	Fin 1038-36-4 Al-.005NS	432 IN (328 LB)

NUMBERS: 6 - 7 - 8 - 9

ITEMS ARE INSTALLED INSIDE OF THE C CHANNEL (NUMBER-3)

RONALD A. CRIBBS LICENSE No 61034 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL ⟨K⟩
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

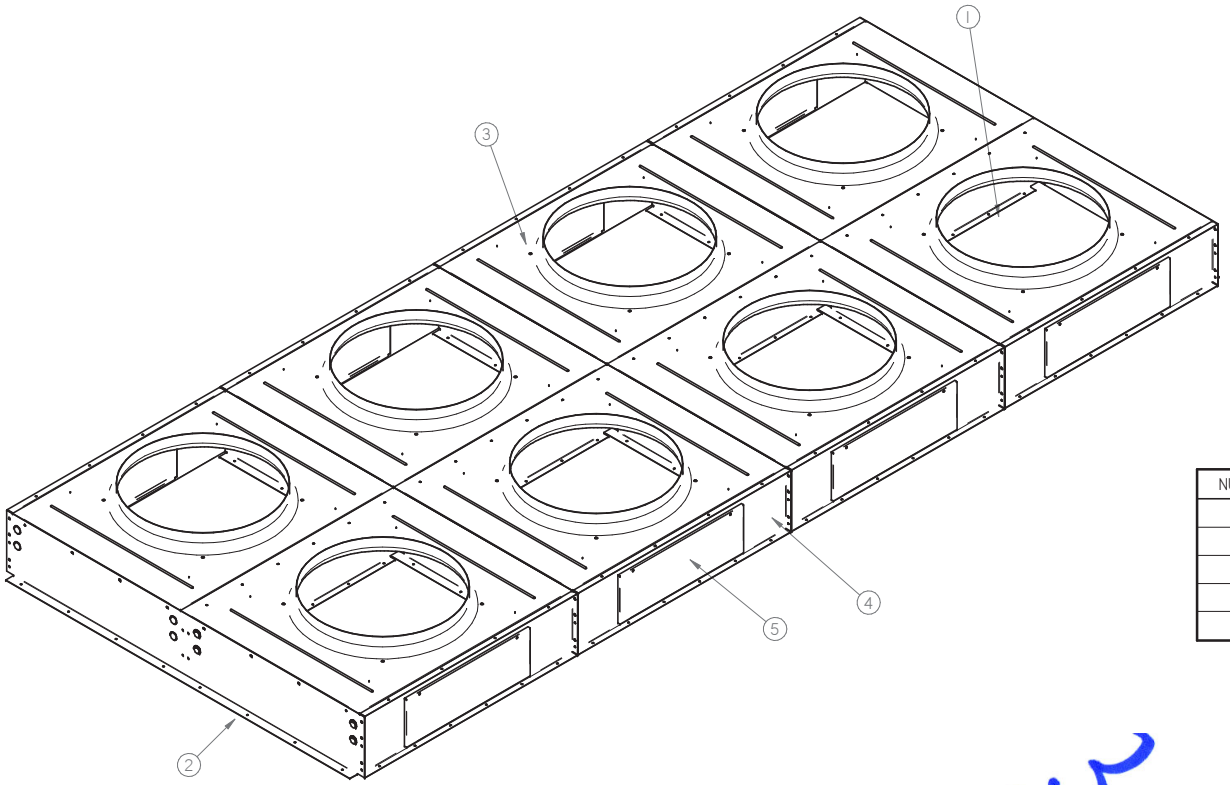
SHEET 1 OF 1

HUSSMANN®

HOUSING 2WIDE 8FANS

P/N LEV2-C2W8F REV A

GDF 3.0 SHEET SIZE D



NUMBER	ITEM	DESCRIPTION	QTY
1	E203435	PLENUM PARTITION 2W LEV2	4
2	E203433	PLENUM END/CENTER 1W LEV2	5
3	E87128P	FAN PANEL 30" LEV2 1W & 2W NAR	8
4	E203436	PLENUM SIDE PANEL W/DOOR	8
5	E86121	ACCESS DOOR	8

RONALD A. CRIBBS
LICENSE
No 61034
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

NOTES:
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   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

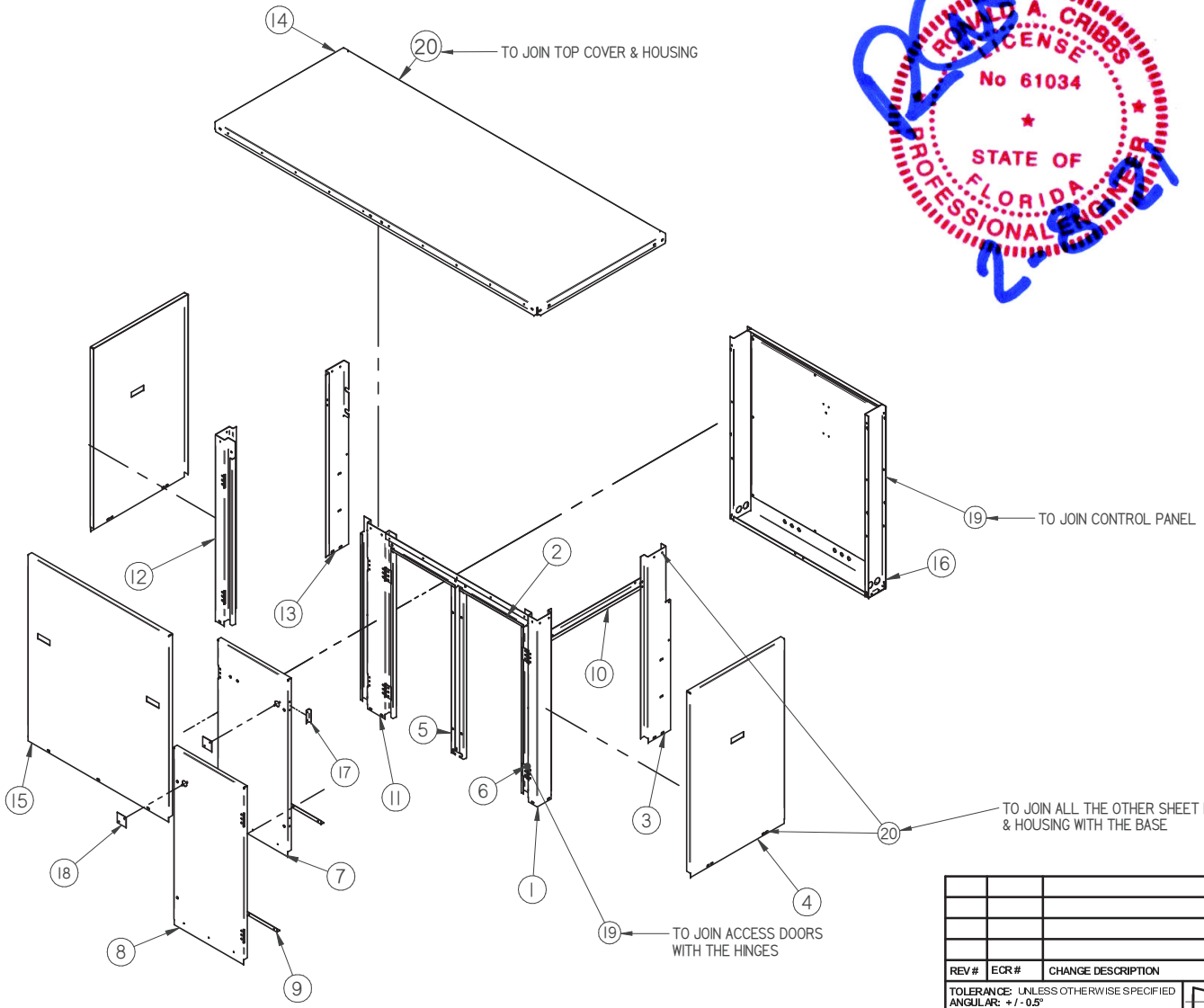
SHEET 1 OF 1

HUSSMANN®

HOUSING 2WIDE 8FAN

P/N LEV2SLDH29 REV A

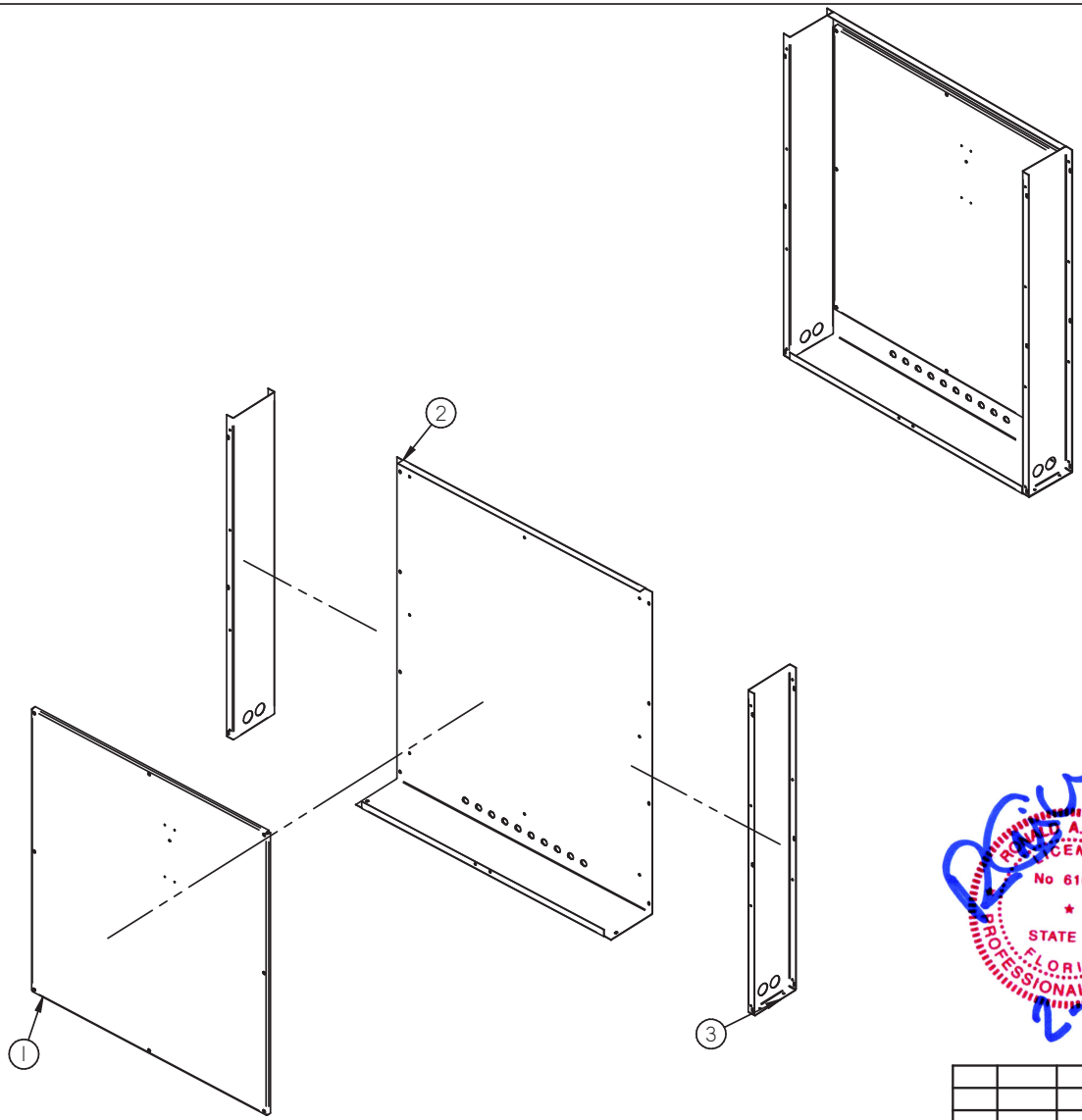
GDF 3.0 SHEET SIZE D

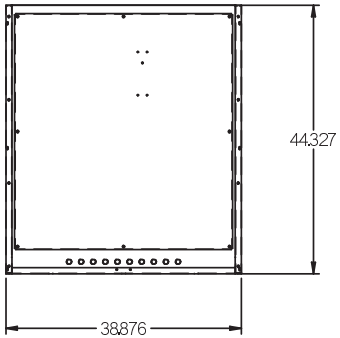


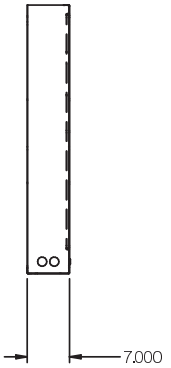
Item	Part #	Title	Material	QTY.
1	904702	SLD PNL POST CORNER FR RH	SG90U ASTM A653 (12GA .1084 NOMI	1
10	904001	SLD CHNL (MTR WIRE)	SG90U ASTM A653 (12GA .1084 NOMI	1
11	903100	SLD PNL POST CNTR	SG90U ASTM A653 (12GA .1084 NOMI	1
12	904701	SLD PNL POST CORNER FR LH	SG90U ASTM A653 (12GA .1084 NOMI	1
13	902801	SLD PNL POST INTR LH	SG90U ASTM A653 (12GA .1084 NOMI	1
14	902700	SLD PNL TOP	SG90U ASTM A653 (12GA .1084 NOMI	1
15	903600	SLD PNL ACCESS	SG90U ASTM A653 (12GA .1084 NOMI	1
16	E152226	SDP CTRLBOX 5 IN ASSY		1
17	904800	SLD DOOR SFTY INTLK	0.058 MIN. G90U GALV STEEL	1
18	905500	SLD DOOR COVER PLATE	0.058 MIN. G90U GALV STEEL	2
19	05385	#14X3/4 TYPE AB HHSMS ZP SCREW	SEE SPEC	70
2	904600	SLD PNL POST INTR OF CTR PNL	SG90U ASTM A653 (12GA .1084 NOMI	1
20	E312774	10-16X3/4"TEK2 HXWSHR HD SD SW	SEE SPEC	28
21	05454	RIVET-0.25 DIA X 0.125-0.375 GRIP	SEE SPEC	38
3	902802	SLD PNL POST INTR RH	SG90U ASTM A653 (12GA .1084 NOMI	1
4	903501	SLD PNL ACCESS	SG90U ASTM A653 (12GA .1084 NOMI	2
5	903400	SLD DOOR POST (CNTR)	SG90U ASTM A653 (12GA .1084 NOMI	1
6	E306001	SLD HINGE 3X3" SS ASSY		4
7	901800	SLD DOOR LH	SG90U ASTM A653 (12GA .1084 NOMI	1
8	901900	SLD DOOR RH	SG90U ASTM A653 (12GA .1084 NOMI	1
9	902400	SLD CTRL PNL DOOR SPRT	SG90U ASTM A653 (12GA .1084 NOMI	2

					KRACK CORPORATION	
					MATERIAL:	
					DESCRIPTION: SDP DBSX HSG 2X	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD	JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"			THIRD ANGLE PROJECTION		SCALE: / SHEET#	PART NO: HIGHWIND
					DRAWN BY: G.B. / DATE: 7/15/02	

Item	Part #	Title	Material	QTY.
1	902100	SLD CTRL SUB PNL	0.085 MIN. G90U GALV STEEL	1
2	912000	SLD CTRL PNL BOX (DEEP)	0.048 MIN. G90U GALV STEEL	1
3	911900	SLD CTRL PNL BOX SIDE	0.048 MIN. G90U GALV STEEL	2

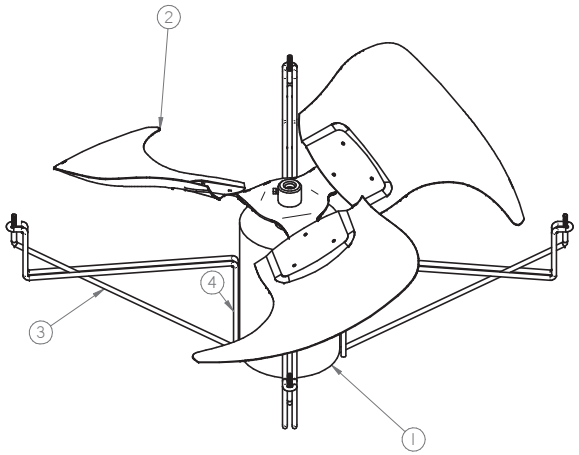




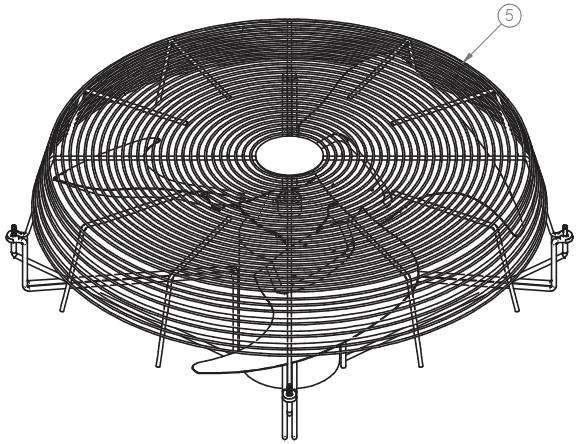


RONALD A. CRIBBS
LICENSE
No 61034
STATE OF FLORIDA
PROFESSIONAL ENGINEER

					KRACK CORPORATION
					MATERIAL:
					DESCRIPTION: SDP CTRLBOX 7IN
0		RELEASED	G.B.	7/15/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"			THIRD ANGLE PROJECTION		SCALE: / SHEET# / PART NO: E152227 DRAWN BY: G.B. / DATE: 7/15/02



NUMBER	ITEM	DESCRIPTION	QTY
1	E205492IN	MOTOR 1.5HP 230/460/60/3/1140	1
2	E205493	30 DIA FAN 24 DEG CW 5/8 BORE	1
3	E280793	MOTOR BRACKET	2
4	80034	MOTOR RING 56 FRAME LEV-SM	1
5	E280792	FAN GUARD 30" LEV-SM-PC	1





NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

SHEET 1 OF 1

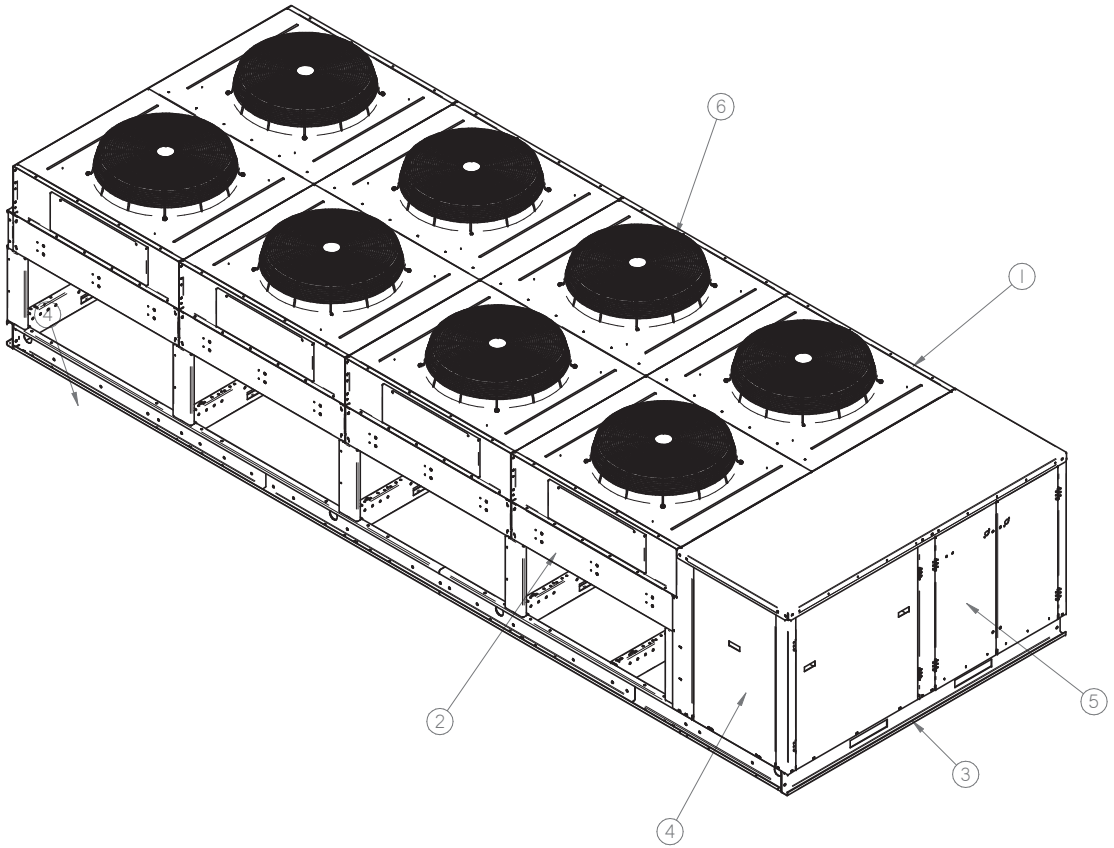
HUSSMANN®

MOTOR ASSY SLD 1.5HP 1140 230/

P/N E110883001 REV A

GDF 3.0 SHEET SIZE D

REVISION HISTORY						
REV	ECN	DATE	REVISION DESCRIPTION	REV BY	CHKD BY	APPR BY
A		1/22/21	INITIAL RELEASED	JS	JS	JS



NUMBER	ITEM	DESCRIPTION	QTY
1	LEVSLDH29	HOUSING 2WIDE 8FAN	1
2	LEV2-C2W8F	LEV2 COIL 2WIDE 8FAN	1
3	SDPB24F6D	SDP DBSX BASE 24	1
4	SDPDBSXHSG	HOUSING,S SEMI-HERM 2 FAN WIDE	1
5	SDP CTRLBOX 7IN	CNTRLBOX; 7 INCH DEEP SLD	1
6	E11088300I	MOTOR ASSY SLD 1.5HP 1140 230/	8



NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

SHEET 1 OF 1

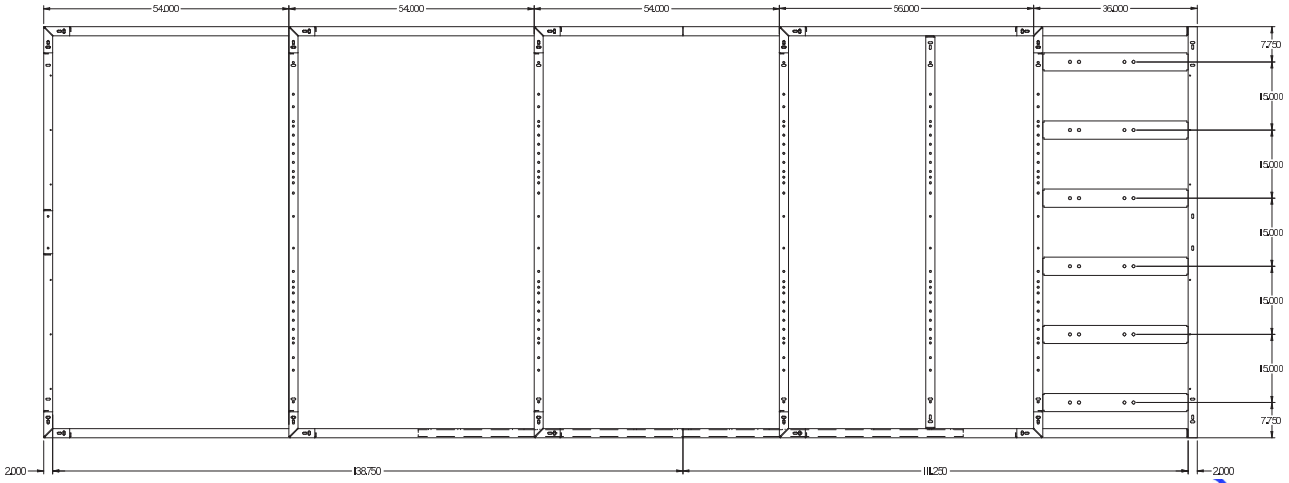
HUSSMANN®

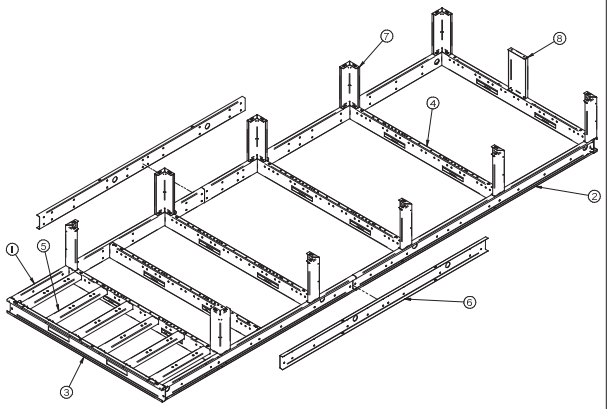
CP-24

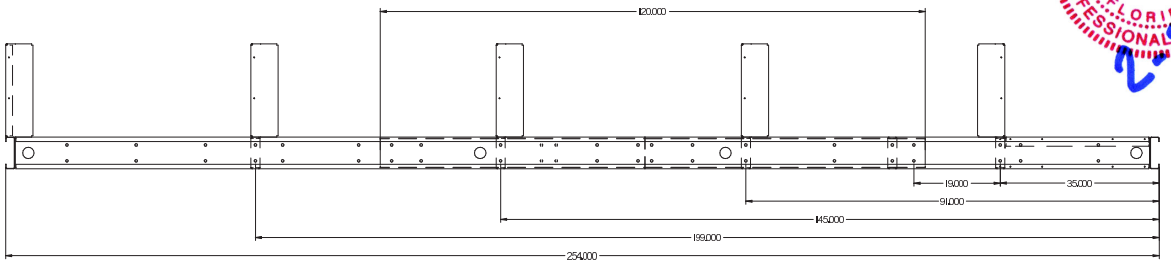
P/N CP-24 REV A

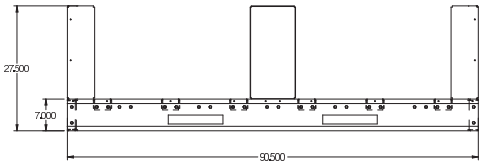
GDF 3.0 SHEET SIZE D

Item Number	Document Number	Title	Material	Quantity
1	908300	SLD CHNL LATL (111.25")	0.115 MNL 090U GALV STEEL	2
2	EII52278	SLD CHNL LATL (138.75")	0.115 MNL 090U GALV STEEL	2
3	901000	SLD CHNL END (90 1/2")	0.115 MNL 090U GALV STEEL	2
4	901200	SLD CHNL XBRACE (86 1/2")	0.115 MNL 090U GALV STEEL	5
5	901300	SLD CHNL COMPR (32")	0.115 MNL 090U GALV STEEL	6
6	908700	SLD CHNL SPRT LATL (120")	0.115 MNL 090U GALV STEEL	2
7	901700	SLD LEG (20 1/2")	0.115 MNL 090U GALV STEEL	10
8	908000	SLD LEG CNTR (20 1/2")	0.115 MNL 090U GALV STEEL	1



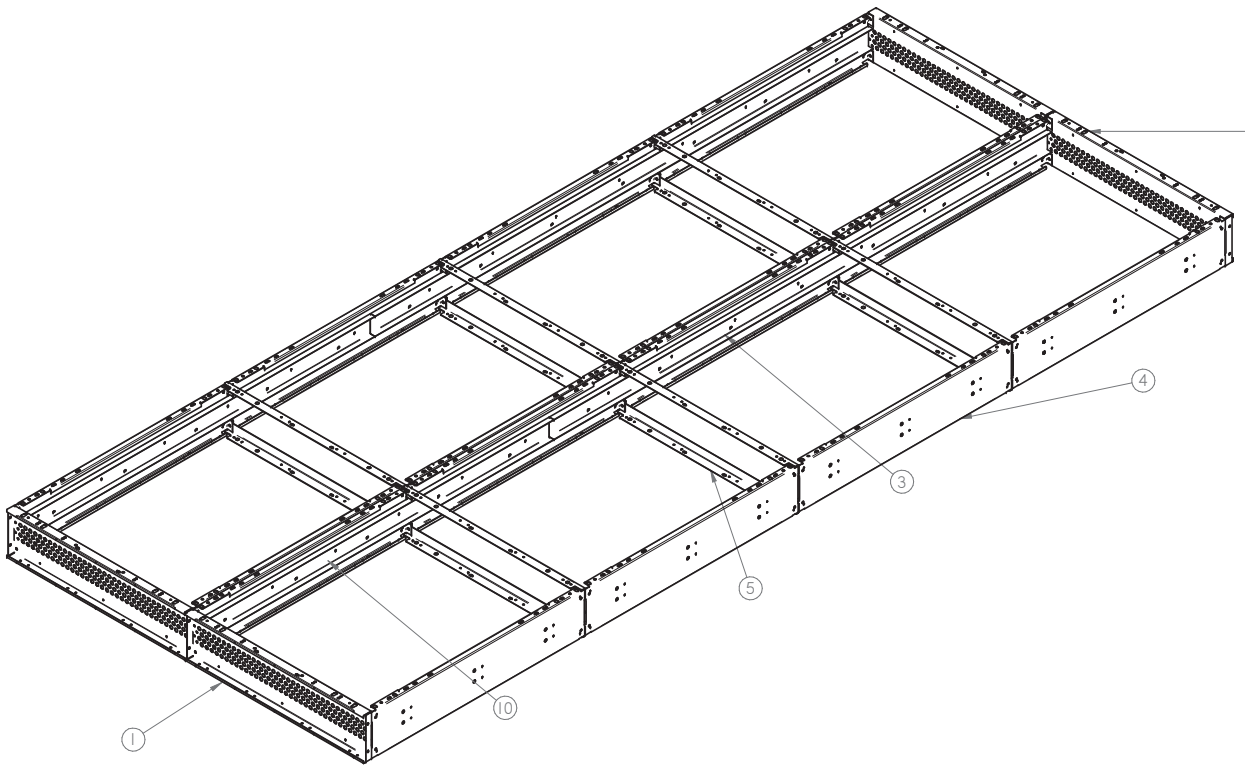






RONALD A. CRIBBS
LICENSE
No 61034
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

					KRACK CORPORATION
					MATERIAL:
					DESCRIPTION: Drawing Assy SDP DBSX BASE 24_6D
1		RELEASED	G.B.		
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"			THIRD ANGLE PROJECTION		SCALE: / SHEET# / PART NO: 908900
					DRAWN BY: G.B. / DATE: 10/11/02



NUMBER	ITEM	DESCRIPTION	QTY
1	E203413	LEV2 ENDPLT 0.375" 36X4 LH RB	2
10	E203420	CHANNEL C 90"	4
2	E203414	LEV2 ENDPLT 0.375" 36X4 RH HDR	2
3	E203422	CHANNEL C 126"	4
4	E203417	LEV2 COIL BAFFLE	16
5	E203418	LEV2 COIL CROSS SUPT	12
6*	E150966	LEV TRUNCATE TBE SHT 0.375" 4R	88
7*	SSTU0	TUBE SS304 3/80Dx220x.012W	8
8*	T06C142160	TUBE CU .375; .014 X 226.000 R	272 (230 LB)
9*	FA1003604A05	Fin 1038-36-4 Al-.005NS	432 IN (328 LB)

NUMBERS: 6 - 7 - 8 - 9

ITEMS ARE INSTALLED INSIDE OF THE C CHANNEL (NUMBER-3)

RONALD A. CRIBBS LICENSE No 61034 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL ⟨K⟩
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

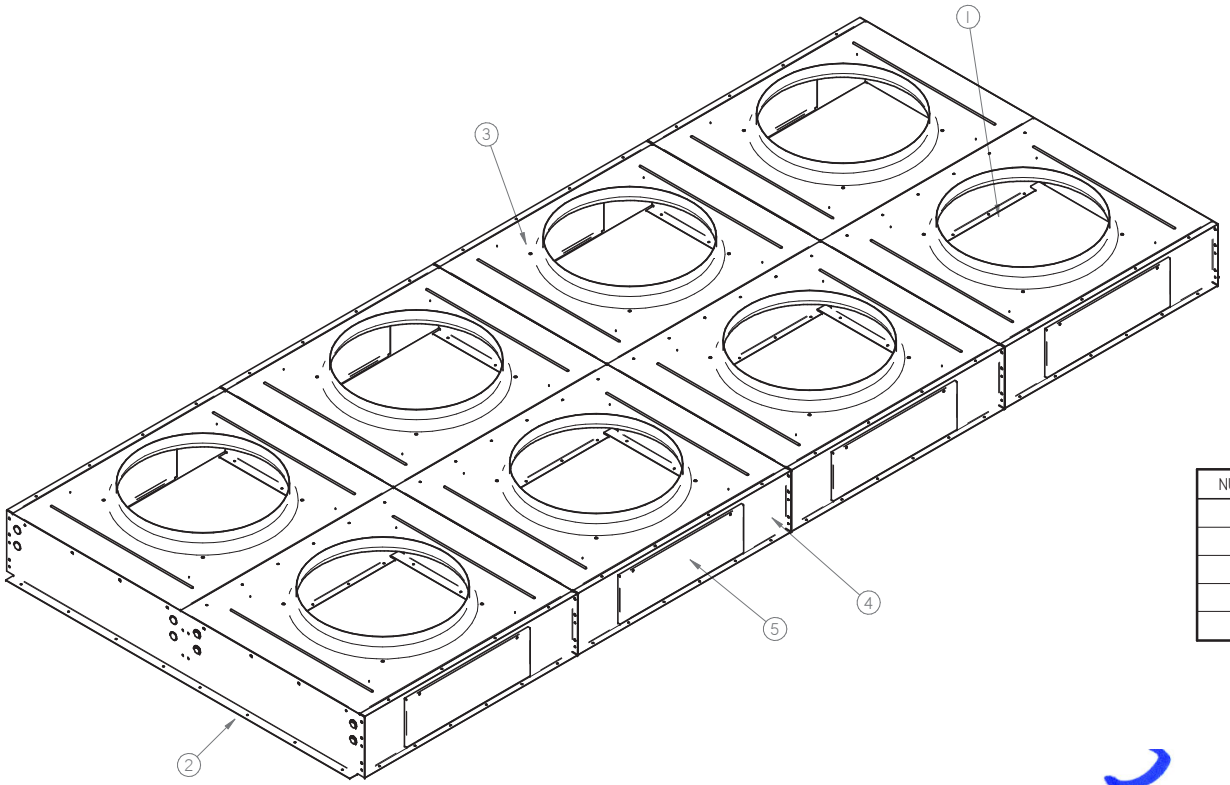
SHEET 1 OF 1

HUSSMANN®

HOUSING 2WIDE 8FANS

P/N LEV2-C2W8F REV A

GDF 3.0 SHEET SIZE D



NUMBER	ITEM	DESCRIPTION	QTY
1	E203435	PLENUM PARTITION 2W LEV2	4
2	E203433	PLENUM END/CENTER 1W LEV2	5
3	E87128P	FAN PANEL 30" LEV2 1W & 2W NAR	8
4	E203436	PLENUM SIDE PANEL W/DOOR	8
5	E86121	ACCESS DOOR	8

RONALD A. CRIBBS
LICENSE
No 61034
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

NOTES:
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2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

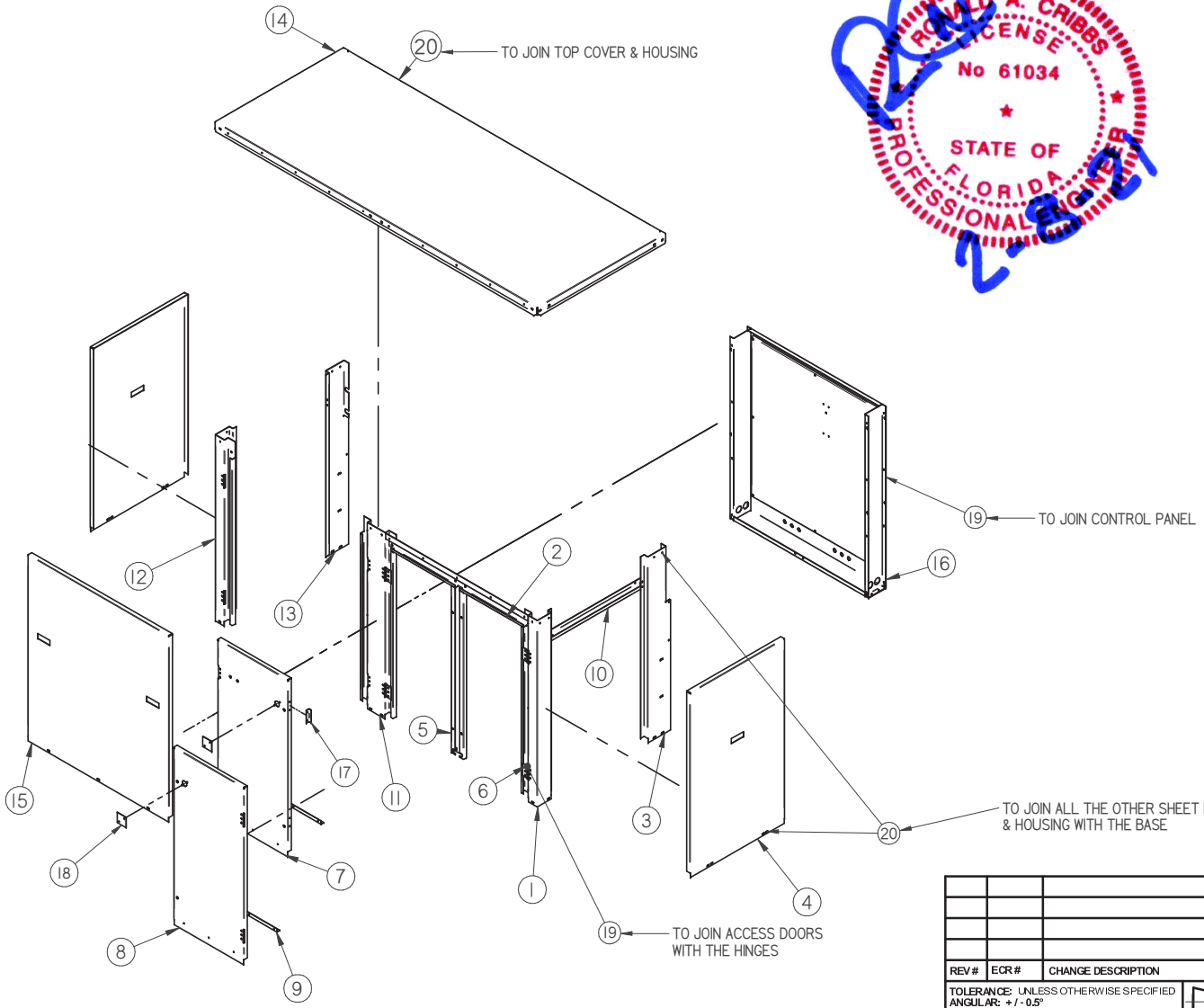
SHEET 1 OF 1

HUSSMANN®

HOUSING 2WIDE 8FAN

P/N LEV2SLDH29 REV A

GDF 3.0 SHEET SIZE D



RONALD A. CRIBBS
LICENSE
No 61034
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Item	Part #	Title	Material	QTY.
1	904702	SLD PNL POST CORNER FR RH	SG90U ASTM A653 (12GA .1084 NOMI)	1
10	904001	SLD CHNL (MTR WIRE)	SG90U ASTM A653 (12GA .1084 NOMI)	1
11	903100	SLD PNL POST CNTR	SG90U ASTM A653 (12GA .1084 NOMI)	1
12	904701	SLD PNL POST CORNER FR LH	SG90U ASTM A653 (12GA .1084 NOMI)	1
13	902801	SLD PNL POST INTR LH	SG90U ASTM A653 (12GA .1084 NOMI)	1
14	902700	SLD PNL TOP	SG90U ASTM A653 (12GA .1084 NOMI)	1
15	903600	SLD PNL ACCESS	SG90U ASTM A653 (12GA .1084 NOMI)	1
16	E152226	SDP CTRLBOX 5 IN ASSY		1
17	904800	SLD DOOR SFTY INTLK	0.058 MIN. G90U GALV STEEL	1
18	905500	SLD DOOR COVER PLATE	0.058 MIN. G90U GALV STEEL	2
19	05385	#14X3/4 TYPE AB HHSMS ZP SCREW	SEE SPEC	70
2	904600	SLD PNL POST INTR OF CTR PNL	SG90U ASTM A653 (12GA .1084 NOMI)	1
20	E312774	10-16X3/4"TEK2 HXWSHR HD SD SW	SEE SPEC	28
21	05454	RIVET-0.25 DIA X 0.125-0.375 GRIP	SEE SPEC	38
3	902802	SLD PNL POST INTR RH	SG90U ASTM A653 (12GA .1084 NOMI)	1
4	903501	SLD PNL ACCESS	SG90U ASTM A653 (12GA .1084 NOMI)	2
5	903400	SLD DOOR POST (CNTR)	SG90U ASTM A653 (12GA .1084 NOMI)	1
6	E306001	SLD HINGE 3X3" SS ASSY		4
7	901800	SLD DOOR LH	SG90U ASTM A653 (12GA .1084 NOMI)	1
8	901900	SLD DOOR RH	SG90U ASTM A653 (12GA .1084 NOMI)	1
9	902400	SLD CTRL PNL DOOR SPRT	SG90U ASTM A653 (12GA .1084 NOMI)	2

REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:

TOLERANCE: UNLESS OTHERWISE SPECIFIED
ANGULAR: +/- 0.5°
DECIMAL: +/- 0.031"

THIRD ANGLE PROJECTION

KRACK CORPORATION

MATERIAL:

DESCRIPTION: SDP DBSX HSG 2X

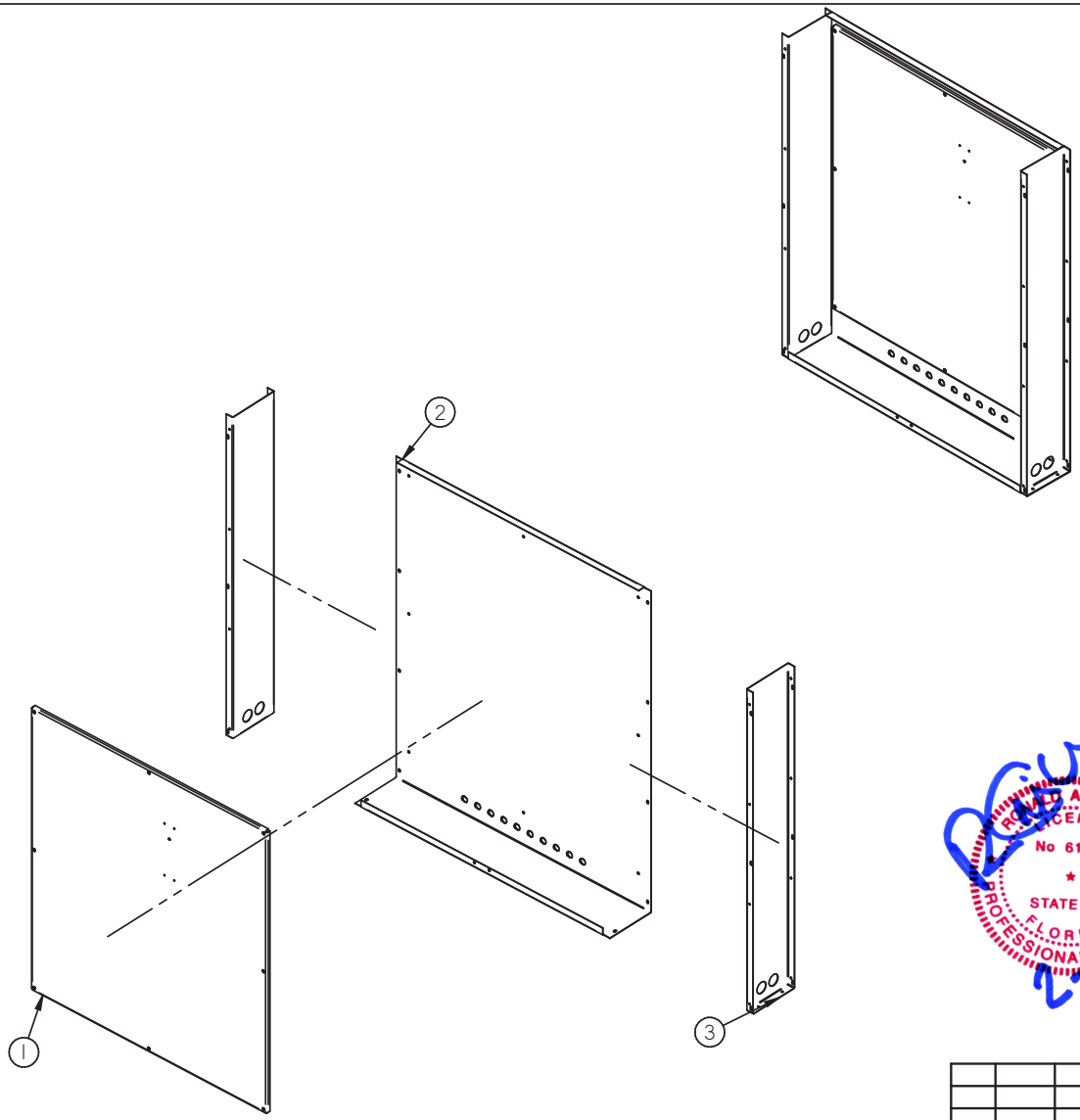
MODEL: SLD | JOB NO:

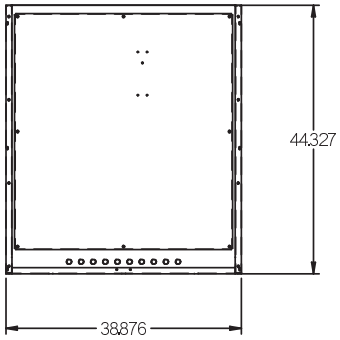
SCALE: | SHEET#

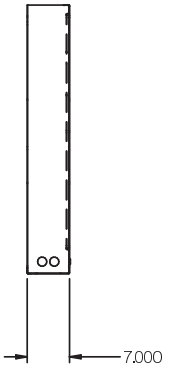
DRAWN BY: G.B. | DATE: 7/15/02

PART NO: **HIGHWIND**

Item	Part #	Title	Material	QTY.
1	902100	SLD CTRL SUB PNL	0.085 MIN. G90U GALV STEEL	1
2	912000	SLD CTRL PNL BOX (DEEP)	0.048 MIN. G90U GALV STEEL	1
3	911900	SLD CTRL PNL BOX SIDE	0.048 MIN. G90U GALV STEEL	2

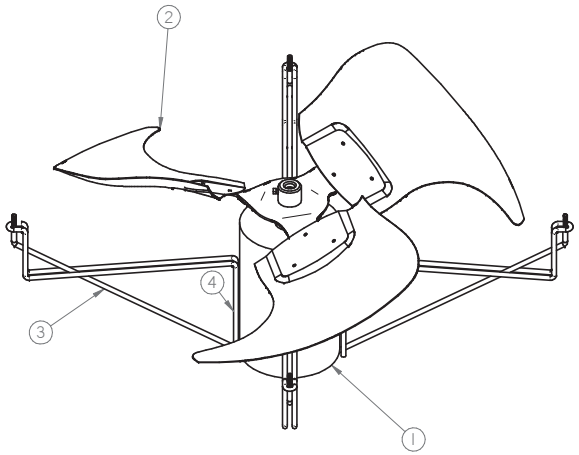




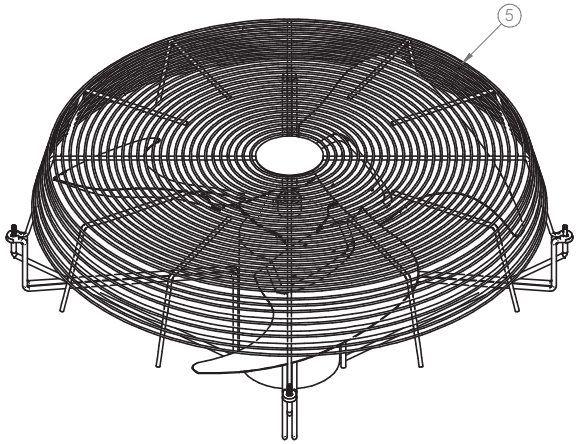


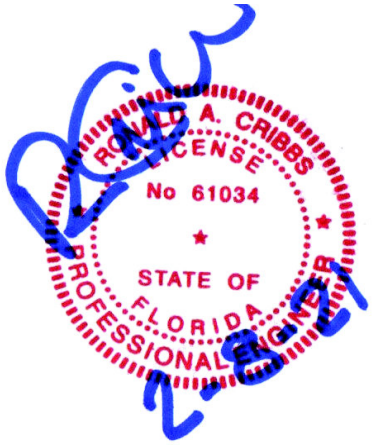
RONALD A. CRIBBS
LICENSE
No 61034
STATE OF FLORIDA
PROFESSIONAL ENGINEER

					KRACK CORPORATION
					MATERIAL:
					DESCRIPTION: SDP CTRLBOX 7IN
0		RELEASED	G.B.	7/15/02	
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: SLD / JOB NO:
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: +/- 0.5° DECIMAL: +/- 0.031"			THIRD ANGLE PROJECTION		SCALE: / SHEET# / PART NO: E152227 DRAWN BY: G.B. / DATE: 7/15/02



NUMBER	ITEM	DESCRIPTION	QTY
1	E205492IN	MOTOR 1.5HP 230/460/60/3/1140	1
2	E205493	30 DIA FAN 24 DEG CW 5/8 BORE	1
3	E280793	MOTOR BRACKET	2
4	80034	MOTOR RING 56 FRAME LEV-SM	1
5	E280792	FAN GUARD 30" LEV-SM-PC	1





NOTES:
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3. MATERIAL- SEE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

SHEET 1 OF 1

HUSSMANN®

MOTOR ASSY SLD 1.5HP 1140 230/

P/N E110883001 REV A

GDF 3.0 SHEET SIZE D

Product Name	CONDENSER C-SERIES CS-13
Manuf. Name	Hussmann
Document #	Material Information
Page #	**Appendix A**
PE Name	Ronald A Cribbs, PE
Revision#	**0**

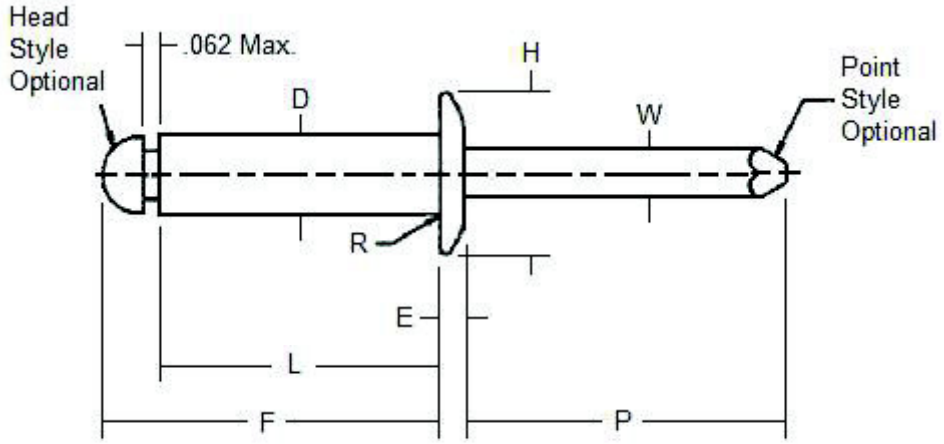
Material Appendix:

Sheet Metal

Fasteners

Rivet, Dome Head, Steel Rivet, Steel Mandrel, Grade 30, Zinc

The information below lists the required dimensional, chemical and physical characteristics of the products in this purchase order. If the order received does not meet these requirements, it may result in a supplier corrective action request, which could jeopardize your status as an approved vendor. Unless otherwise specified, all referenced consensus standards must be adhered to in their entirety.



Rivet Diameter	D	H	E	R	W	P	F
	Body Diameter	Style 1 - Regular Head		Radius of Fillet	Mandrel Diameter	Mandrel Protrusion	Blind Side Protrusion
		Head Diameter	Head Height				
Nom.	Ref.	Ref.	Ref.	Ref.	Ref.	Min.	Ref.
3/32	.092	.188	.028	.015	.057	1.00	L + .100
1/8	.122	.250	.036	.020	.076		L + .120
5/32	.153	.312	.043	.020	.095	1.04	L + .140
3/16	.183	.375	.053	.025	.114		L + .160
1/4	.249	.500	.069	.030	.151		L + .180

SHEET# 3

Rivet Diameter	Recommended Drill Size	Recommended Hole Size	L Rivet Body Length	Grip Range	Typical Ultimate Strength (lbs.)	
Nom.		Max.	Ref.		Shear (Min.)	Tensile (Min.)
3/32	#41	.100	.225	.031 - .125	130	170
3/32			.335	.126 - .250		
3/32			.475	.251 - .375		
1/8	#30	.133	.188	.031 - .062	260	310
1/8			.250	.063 - .125		
1/8			.313	.126 - .187		
1/8			.375	.188 - .250		
1/8			.438	.251 - .312		
1/8			.500	.313 - .375		
1/8			.625	.376 - .500		
1/8			.750	.501 - .625		
5/32	#20	.164	.275	.031 - .125	370	470
5/32			.338	.126 - .187		
5/32			.400	.188 - .250		
5/32			.525	.251 - .375		
5/32			.650	.376 - .500		
5/32			.800	.501 - .625		
5/32			.925	.626 - .750		
3/16	#11	.196	.300	.031 - .125	540	680
3/16			.362	.126 - .187		
3/16			.425	.188 - .250		
3/16			.550	.251 - .375		
3/16			.675	.376 - .500		
3/16			.800	.501 - .625		
3/16			.925	.626 - .750		
3/16			1.050	.751 - .875		
3/16			1.175	.876 - 1.000		
1/4	F	.261	.350	.031 - .125	1,000	1,240
1/4			.475	.126 - .250		
1/4			.600	.251 - .375		
1/4			.725	.376 - .500		
1/4			.850	.501 - .625		
1/4			.975	.626 - .750		
1/4			1.100	.751 - .875		
1/4			1.225	.876 - 1.000		

RECORD OF REVISION CHANGES TO THIS DOCUMENT ARE LOCATED ON THE LAST PAGE

Specification Requirements:

- Dimensions: IFI-114, Grade 30
- Material: Rivet Body: Low Carbon Steel
  Mandrel: Carbon Steel
- Mechanical Properties: IFI-114, Grade 30
- Finish: Rivet Body: Fe/Zn 3AN per ASTM F1941/F1941M
  Mandrel: Fe/Zn 3AN per ASTM F1941/F1941M

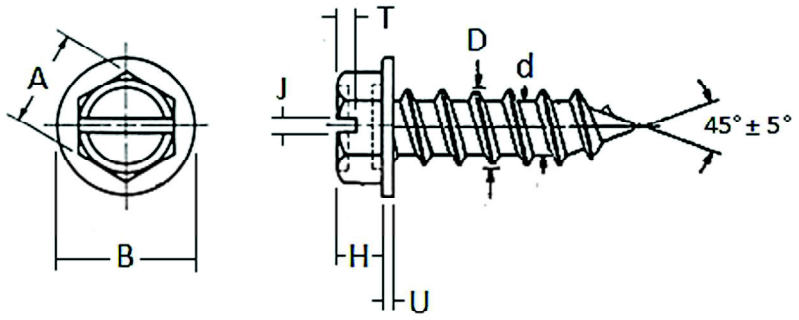
Revision Level Changes to this Document

Document Name	Revision Level	Revision Date	Rationale for Revision
RV.DH.STL.STL.30.Z	00	5/4/2018	Revised title and removed ASTM B633 electroplating requirement. Added ASTM F1941/F1941M electroplating requirement.

The rationale above may not include all of the changes within each revision. A complete review of the Fastenal Product Standard is required.

Sheet Metal Screw, Indented Slotted Hex Washer Head, Type A, Zinc

This product standard contains the required dimensional, mechanical, performance, and chemical characteristics of the products shown in this purchase order (as applicable to the product). Unless specified below, current revisions of national or international standards shall be applicable as of the date of Fastenal's purchase order and must be adhered to in their entirety. If the order received does not meet these requirements, corrective action may be issued which could jeopardize your status as an approved supplier to Fastenal.



Size	A		H		B		U		Protrusion	J		T	
	WAF		Head Height		Washer Diameter		Washer Thickness			Slot Width		Slot Depth	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Min.	Max.	Min.	Max.	Min.
#4	.188	.181	.060	.049	.243	.225	.019	.011	.029	.039	.031	.042	.025
#6	.250	.244	.093	.080	.328	.302	.025	.015	.048	.048	.039	.053	.033
#7	.250	.244	.093	.080	.328	.302	.029	.017	.048	.048	.039	.053	.033
#8	.250	.244	.110	.096	.348	.322	.031	.019	.058	.054	.045	.074	.052
#10	.312	.305	.120	.105	.414	.384	.031	.019	.063	.060	.050	.080	.057
#12	.312	.305	.155	.139	.432	.398	.039	.022	.083	.067	.056	.103	.077
#14	.375	.367	.190	.172	.520	.480	.050	.030	.103	.075	.064	.111	.083
5/16	.500	.489	.230	.208	.676	.624	.055	.035	.125	.084	.072	.134	.100
#20	.500	.489	.230	.208	.676	.624	.055	.035	.125	.084	.072	.134	.100
#24	.562	.551	.295	.270	.780	.720	.063	.037	.162	.084	.072	.134	.100

Nominal Size	Threads per Inch	D		d	
		Major Diameter		Minor Diameter	
		Max.	Min.	Max.	Min.
#4	24	0.114	0.110	0.083	0.078
#6	18	0.141	0.136	0.102	0.096
#7	16	0.158	0.152	0.114	0.108
#8	15	0.168	0.162	0.123	0.116
#10	12	0.194	0.188	0.133	0.126
#12	11	0.221	0.215	0.162	0.155
#14	10	0.254	0.248	0.185	0.178
5/16	9	0.333	0.327	0.234	0.226
#20	9	0.333	0.327	0.234	0.226
#24	9	0.390	0.383	0.291	0.282

RECORD OF REVISION CHANGES TO THIS DOCUMENT ARE LOCATED ON THE LAST PAGE

Specification Requirements:

- Dimensions: ASME B18.6.3
  All sizes are fully threaded
- Drive Style: Hex Slotted
- Material & Mechanical Properties: ASME B18.6.3
- Thread Requirements: Rolled Thread per ASME B18.6.3
- Finish: Fe/Zn 3AN per ASTM F1941/F1941M
- Hydrogen Embrittlement: Baking to relieve internal hydrogen embrittlement is mandatory and shall be performed after electroplating prior to the application of conversion finish where baking temperatures can damage the conversion film. Baking may be allowed after conversion finish provided temperature does not alter performance. Part temperature shall reach 375°F to 400°F (190°C to 204°C) for a minimum of 4 hours, as soon as practical after plating.
  Hydrogen Embrittlement test results per ASME B18.6.3 shall be maintained and supplied to Fastenal upon request.

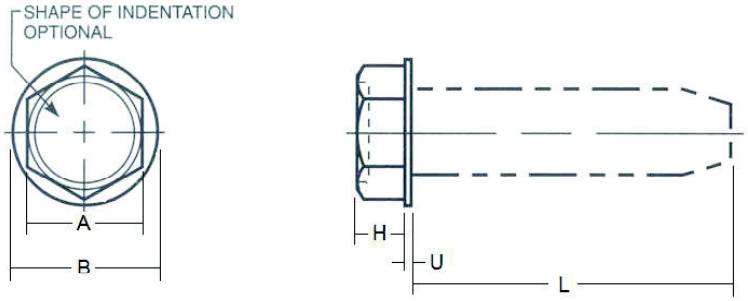
Revision Level Changes to this Document

Document Name	Revision Level	Revision Date	Rationale for Revision
SMS.HWSL.A.Z	08	6/3/2019	Revised HE testing requirement, material and mechanical properties.

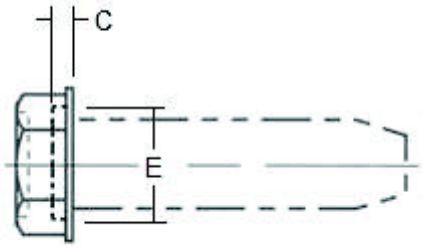
The rationale above may not include all of the changes within each revision. A complete review of the Fastenal Product Standard is required.

Self-Drilling Screws, Hex Washer Head, BSD Thread, with Bonded Sealing Washer, Zinc

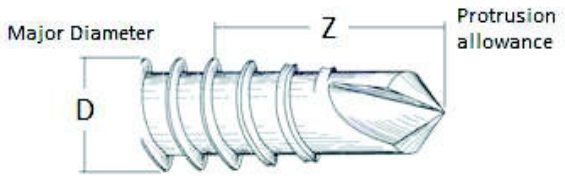
The information below lists the required dimensional, chemical and physical characteristics of the products in this purchase order. If the order received does not meet these requirements, it may result in a supplier corrective action request, which could jeopardize your status as an approved vendor. Unless otherwise specified, all referenced consensus standards must be adhered to in their entirety.



Undercut Optional



Nominal Size	A		H		B		U		C	E
	Width Across Flats		Head Height		Washer Diameter		Washer Thickness		Undercut Depth	Undercut Diameter
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Max.
#4	0.188	0.181	0.060	0.049	0.243	0.225	0.019	0.011	-	-
#6	0.250	0.244	0.093	0.080	0.328	0.302	0.025	0.015	0.016	0.25
#8	0.250	0.244	0.110	0.096	0.348	0.322	0.031	0.019	0.020	0.25
#10	0.312	0.305	0.120	0.105	0.414	0.384	0.031	0.019	0.020	0.32
#12	0.312	0.305	0.155	0.139	0.432	0.398	0.039	0.022	0.024	0.32
1/4 (#14)	0.375	0.367	0.190	0.172	0.520	0.480	0.050	0.030	0.031	0.39
5/16	0.500	0.489	0.230	0.208	0.676	0.624	0.055	0.035	-	-



SHEET# 3

Nominal Size	Type BSD							
	Threads per Inch	D		Minor Diameter		Z	Point Diameter	
		Major Diameter				Protrusion		
		Max.	Min.	Max.	Min.	Ref.	Max.	Min.
#4	24	.114	.110	.086	.082	.163	.091	.087
#6	20	.139	.135	.104	.099	.190	.116	.110
#8	18	.166	.161	.122	.116	.211	.136	.130
#10	16	.189	.183	.141	.135	.300	.156	.150
#12	14	.215	.209	.164	.157	.353	.183	.177
1/4 (#14)	14	.246	.240	.192	.185	.393	.222	.217
5/16	12	.314	.305	.272	.263	.421	.274	.268

Length Tolerance	
Nominal Screw Length	Tolerance
Up to 1", inclusive	+/-0.03
Over 1"	+/-0.05

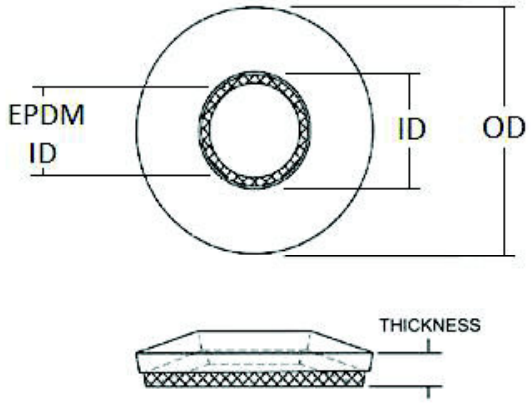
5/16 Test Performance				
Test Plate	Axial Loading	Drill Speed	Time to Drive	Torsion
Inch	lbs	RPM	sec max	lb-in Min.
0.063	44.974	1800	5.0	289.5

Torsion is per SAE J933 Type B

Screw Specification Requirements:

- Dimensions: ASME B18.6.3
SAE J78
Fully Threaded
- Drive Style: Hex
- Material, Mechanical & Performance: #4 - 1/4": SAE J78. 5/16": See Above
- Thread Requirements: SAE J78
- Point Size: Sizes 4 to 8: #2
Sizes 10 to 5/16": #3
**Exception: Screws ½" in length and under shall have a #2 point
- Finish: Fe/Zn 3AN per ASTM F1941/F1941M

- Hydrogen Embrittlement: Baking to relieve internal hydrogen embrittlement is mandatory and shall be performed after electroplating prior to the application of conversion finish where baking temperatures can damage the conversion film. Baking may be allowed after conversion finish provided temperature does not alter performance. Part temperature shall reach 375°F to 400°F (190°C to 204°C) for a minimum of 4 hours, as soon as practical after plating.
  Hydrogen Embrittlement test results shall be maintained and supplied to Fastenal upon request.



Size	ID		OD		EPDM I.D.		Washer and Rubber seal Thickness combined	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
#6	.198	.218	.368	.392	.129	.153	.098	.122
#8	.198	.218	.493	.507	.125	.145	.098	.122
#10	.198	.218	.493	.507	.145	.16	.098	.122
#12	.226	.246	.547	.558	.165	.189	.098	.122
#14	.257	.277	.622	.635	.208	.224	.098	.122
1/4	.257	.277	.622	.635	.208	.224	.098	.122
5/16	.344	.364	.741	.755	.259	.275	.098	.122

Washer Specification Requirements:

- Dimensions: See Table Above
- Washer Material: Carbon Steel per ASTM A653, CS Type B or SS 50 [340] Class 3
- Sealing Washer Material: EPDM
- Finish: Galvanize per ASTM A653, G90/Z275 (SI UNITS)

Designation: A653/A653M – 09

Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process[1]

This standard is issued under the fixed designation A653/A653M; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope*

1.1 This specification covers steel sheet, zinc-coated (galvanized) or zinc-iron alloy-coated (galvannealed) by the hot-dip process in coils and cut lengths.

1.2 The product is produced in various zinc or zinc-iron alloy-coating weights [masses] or coating designations as shown in Table 1and in Table S2.1.

1.3 Product furnished under this specification shall conform to the applicable requirements of the latest issue of Specification A924/A924M, unless otherwise provided herein.

1.4 The product is available in a number of designations, grades and classes in four general categories that are designed to be compatible with different application requirements.

1.4.1 Steels with mandatory chemical requirements and typical mechanical properties.

1.4.2 Steels with mandatory chemical requirements and mandatory mechanical properties.

1.4.3 Steels with mandatory chemical requirements and mandatory mechanical properties that are achieved through solid-solution or bake hardening.

1.5 This specification is applicable to orders in either inch-pound units (as A653) or SI units (as A653M). Values in inch-pound and SI units are not necessarily equivalent. Within the text, SI units are shown in brackets. Each system shall be used independently of the other.

1.6 Unless the order specifies the "M" designation (SI units), the product shall be furnished to inch-pound units.

1.7 The text of this specification references notes and footnotes that provide explanatory material. These notes and footnotes, excluding those in tables and figures, shall not be considered as requirements of this specification.

1.8 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 *ASTM Standards:*[2]

A90/A90M Test Method for Weight [Mass] of Coating on Iron and Steel Articles with Zinc or Zinc-Alloy Coatings

A370 Test Methods and Definitions for Mechanical Testing of Steel Products

A568/A568M Specification for Steel, Sheet, Carbon, Structural, and High-Strength, Low-Alloy, Hot-Rolled and Cold-Rolled, General Requirements for

A902 Terminology Relating to Metallic Coated Steel Products

A924/A924M Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process

D7396 Guide for Preparation of New, Continuous Zinc-Coated (Galvanized) Steel Surfaces for Painting

E517 Test Method for Plastic Strain Ratio ***r*** for Sheet Metal

E646 Test Method for Tensile Strain-Hardening Exponents (***n*** -Values) of Metallic Sheet Materials

2.2 *ISO Standard:*[3]

ISO 3575 Continuous Hot-Dip Zinc-Coated Carbon Steel of Commercial and Drawing Qualities

ISO 4998 Continuous Hot-Dip Zinc-Coated Carbon Steel of Structural Quality

3. Terminology

3.1 *Definitions*—See Terminology A902 for definitions of general terminology relating to metallic-coated hot-dip products.

3.2 *Definitions of Terms Specific to This Standard:*

3.2.1 *bake hardenable steel*, *n*—steel sheet in which a significant increase in yield strength is realized when moderate heat treatment, such as that used for paint baking, follows straining or cold working.

3.2.2 *differentially coated*, *n*—galvanized steel sheet having a specified "coating designation" on one surface and a significantly lighter specified "coating designation" on the other surface.

[1] This specification is under the jurisdiction of ASTM Committee A05 on Metallic-Coated Iron and Steel Products and is the direct responsibility of Subcommittee A05.11 on Sheet Specifications.

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[2] For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

[3] Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, http://www.ansi.org.

***A Summary of Changes section appears at the end of this standard.**

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TABLE 1 Weight [Mass] of Coating Requirements[A,B,C]

NOTE 1— Use the information provided in 8.1.3 to obtain the approximate coating thickness from the coating weight [mass].

		Minimum Requirement[D]		
		Triple-Spot Test		Single-Spot Test
Inch-Pound Units				
Type	Coating Designation	Total Both Sides, oz/ft^2	One Side, oz/ft^2	Total Both Sides, oz/ft^2
Zinc	G01	no minimum	no minimum	no minimum
	G30	0.30	0.10	0.25
	G40	0.40	0.12	0.30
	G60	0.60	0.20	0.50
	G90	0.90	0.32	0.80
	G100	1.00	0.36	0.90
	G115	1.15	0.40	1.00
	G140	1.40	0.48	1.20
	G165	1.65	0.56	1.40
	G185	1.85	0.64	1.60
	G210	2.10	0.72	1.80
	G235	2.35	0.80	2.00
	G300	3.00	1.04	2.60
	G360	3.60	1.28	3.20
Zinc-iron alloy	A01	no minimum	no minimum	no minimum
	A25	0.25	0.08	0.20
	A40	0.40	0.12	0.30
	A60	0.60	0.20	0.50
SI Units				
Type	Coating Designation	Total Both Sides, g/m^2	One Side, g/m^2	Total Both Sides, g/m^2
Zinc	Z001	no minimum	no minimum	no minimum
	Z90	90	30	75
	Z120	120	36	90
	Z180	180	60	150
	Z275	275	94	235
	Z305	305	110	275
	Z350	350	120	300
	Z450	450	154	385
	Z500	500	170	425
	Z550	550	190	475
	Z600	600	204	510
	Z700	700	238	595
	Z900	900	316	790
	Z1100	1100	390	975
Zinc-iron alloy	ZF001	no minimum	no minimum	no minimum
	ZF75	75	24	60
	ZF120	120	36	90
	ZF180	180	60	150

[A]The coating designation is the term by which the minimum triple spot, total both sides coating weight [mass] is specified. Because of the many variables and changing conditions that are characteristic of continuous hot-dip coating lines, the zinc or zinc-iron alloy coating is not always evenly divided between the two surfaces of a coated sheet; nor is it always evenly distributed from edge to edge. However, the minimum triple-spot average coating weight (mass) on any one side shall not be less than 40 % of the single-spot requirement.

[B]As it is an established fact that the atmospheric corrosion resistance of zinc or zinc-iron alloy-coated sheet products is a direct function of coating thickness (weight (mass)), the selection of thinner (lighter) coating designations will result in almost linearly reduced corrosion performance of the coating. For example, heavier galvanized coatings perform adequately in bold atmospheric exposure whereas the lighter coatings are often further coated with paint or a similar barrier coating for increased corrosion resistance. Because of this relationship, products carrying the statement "meets ASTM A653/A653Mrequirements" should also specify the particular coating designation.

[C]International Standard, ISO 3575, continuous hot-dip zinc-coated carbon steel sheet contains Z100 and Z200 designations and does not specify a ZF75 coating.

[D]No minimum means that there are no established minimum requirements for triple- and single-spot tests.

3.2.2.1 *Discussion*—The single side relationship of either specified "coating designation" is the same as shown in the note of Table 1 regarding uniformity of coating.

3.2.3 *high strength low alloy steel*, *n*—a specific group of sheet steels whose strength is achieved through the use of microalloying elements such as columbium (niobium), vanadium, titanium, and molybdenum resulting in improved formability and weldability than is obtained from conventional carbon-manganese steels.

3.2.3.1 *Discussion*—Producers use one or a combination of microalloying elements to achieve the desired properties. The product is available in two designations, HSLAS and HSLAS-F. Both products are strengthened with microalloys, but HSLAS-F is further treated to achieve inclusion control.

3.2.4 *minimized spangle*, *n*—the finish produced on hot-dip zinc-coated steel sheet in which the grain pattern is visible to the unaided eye, and is typically smaller and less distinct than the pattern visible on regular spangle.

3.2.4.1 *Discussion*—This finish is produced by one of two methods: either *(1)* the zinc crystal growth has been started but arrested by special production practices during solidification of the zinc, or *(2)* the zinc crystal growth is inhibited by a

combination of coating-bath chemistry plus cooling during solidification of the zinc. Minimized spangle is normally produced in coating designations G90 [Z275] and lighter.

3.2.5 *regular spangle*, *n*—the finish produced on hot-dip zinc-coated steel sheet in which there is a visible multifaceted zinc crystal structure.

3.2.5.1 *Discussion*—Solidification of the zinc coating is typically uncontrolled, which produces the variable grain size associated with this finish.

3.2.6 *spangle-free*, *n*—the uniform finish produced on hot-dip zinc-coated steel sheet in which the visual spangle pattern, especially the surface irregularities created by spangle formation, is not visible to the unaided eye.

3.2.6.1 *Discussion*—This finish is produced when the zinc crystal growth is inhibited by a combination of coating-bath chemistry, or cooling, or both during solidification of the zinc.

3.2.7 *solid-solution hardened steel or solution hardened steel*, *n*—steel sheet strengthened through additions of substitutional alloying elements such as Mn, P, or Si.

3.2.7.1 *Discussion*—Substitutional alloying elements such as Mn, P, and Si can occupy the same sites as iron atoms within the crystalline structure of steels. Strengthening arises as a result of the mismatch between the atomic sizes of these elements and that of iron.

3.2.8 *zinc-iron alloy*, *n*—a dull grey coating with no spangle pattern that is produced on hot-dip zinc-coated steel sheet.

3.2.8.1 *Discussion*—Zinc-iron alloy coating is composed entirely of inter-metallic alloys. It is typically produced by subjecting the hot-dip zinc-coated steel sheet to a thermal treatment after it emerges from the molten zinc bath. This type of coating is suitable for immediate painting without further treatment except normal cleaning (refer to Guide D7396). The lack of ductility of the alloy coating presents a potential for powdering, etc.

4. Classification

4.1 The material is available in several designations as follows:

4.1.1 Commercial steel (CS Types A, B, and C),

4.1.2 Forming steel (FS Types A and B),

4.1.3 Deep drawing steel (DDS Types A and C),

4.1.4 Extra deep drawing steel (EDDS),

4.1.5 Structural steel (SS),

4.1.6 High strength low alloy steel (HSLAS),

4.1.7 High strength low alloy steel with improved formability (HSLAS-F),

4.1.8 Solution hardened steel (SHS), and

4.1.9 Bake hardenable steel (BHS).

4.2 Structural steel, high strength low alloy steel, solution hardened steel, and bake hardenable steel are available in several grades based on mechanical properties. Structural Steel Grade 50 [340] is available in four classes based on tensile strength. Structural Steel Grade 80 [550] is available in three classes, based on chemistry.

4.3 The material is available as either zinc-coated or zinc-iron alloy-coated in several coating weights [masses] or coating designations as shown in Table 1 and in Table S2.1, and

4.3.1 The material is available with the same or different coating designations on each surface.

5. Ordering Information

5.1 Zinc-coated or zinc-iron alloy-coated sheet in coils and cut lengths is produced to thickness requirements expressed to 0.001 in. [0.01 mm]. The thickness of the sheet includes both the base metal and the coating.

5.2 Orders for product to this specification shall include the following information, as necessary, to adequately describe the desired product:

5.2.1 Name of product (steel sheet, zinc-coated (galvanized) or zinc-iron alloy-coated (galvannealed)),

5.2.2 Designation of sheet [CS (Types A, B, and C), FS (Types A and B), DDS (Types A and C), EDDS, SS, HSLAS, HSLAS-F, SHS, or BHS].

5.2.2.1 When a CS type is not specified, CS Type B will be furnished. When a FS type is not specified, FS Type B will be furnished. When a DDS type is not specified, DDS Type A will be furnished.

5.2.3 When a SS, HSLAS, HSLAS-F, SHS, or BHS designation is specified, state the grade, or class, or combination thereof.

5.2.4 ASTM designation number and year of issue, as A653 for inch-pound units or A653M for SI units.

5.2.5 Coating designation,

5.2.6 Chemically treated or not chemically treated,

5.2.7 Oiled or not oiled,

5.2.8 Minimized spangle (if required),

5.2.9 Extra smooth (if required),

5.2.10 Phosphatized (if required),

5.2.11 Dimensions (show thickness, minimum or nominal, width, flatness requirements, and length, if cut lengths). The purchaser shall specify the appropriate table of thickness tolerances in Specification A924/A924M that applies to the order, that is, the table of thickness tolerances for ⅜-in. [10-mm] edge distance, or the table of thickness tolerances for 1-in. [25-mm] edge distance.

5.2.12 Coil size requirements (specify maximum outside diameter (OD), acceptable inside diameter (ID), and maximum weight [mass]),

5.2.13 Packaging,

5.2.14 Certification, if required, heat analysis and mechanical property report,

5.2.15 Application (part identification and description), and

5.2.16 Special requirements (if any).

5.2.16.1 If required, the product may be ordered to a specified base metal thickness (see Supplementary Requirement S1.)

5.2.16.2 If required, the product may be ordered to a specified single spot/single side coating mass (see Supplementary Requirement S2.)

NOTE 1—Typical ordering descriptions are as follows: steel sheet, zinc-coated, commercial steel Type A, ASTM A653, Coating Designation G115, chemically treated, oiled, minimum 0.040 by 34 by 117 in., for stock tanks, or steel sheet, zinc-coated, high strength low alloy steel Grade 340, ASTM A653M, Coating Designation Z275, minimized spangle, not chemically treated, oiled, minimum 1.00 by 920 mm by coil, 1520-mm maximum OD, 600-mm ID, 10 000-kg maximum, for tractor inner fender.

NOTE 2—The purchaser should be aware that there are variations in manufacturing practices among the producers and therefore is advised to establish the producer's standard (or default) procedures for thickness tolerances.

6. Chemical Composition

6.1 *Base Metal*:

6.1.1 The heat analysis of the base metal shall conform to the requirements shown in Table 2 for CS (Types A, B, and C), FS (Types A and B), DDS (Types A and C), and EDDS, and Table 3 for SS, HSLAS, HSLAS-F, SHS, and BHS.

6.1.2 Each of the elements listed in Tables 2 and 3 shall be included in the report of heat analysis. When the amount of copper, nickel, chromium, or molybdenum is less than 0.02 %, report the analysis as either <0.02 % or the actual determined value. When the amount of vanadium, titanium, or columbium is less than 0.008 %, report the analysis as either <0.008 % or the actual determined value. When the amount of boron is less than 0.0005 %, report as <0.0005 % or the actual determined value.

6.1.3 See Specification A924/A924M for chemical analysis procedures and product analysis tolerances.

6.2 *Zinc Bath Analysis*—The bath metal used in continuous hot-dip galvanizing shall contain not less than 99 % zinc.

NOTE 3—To control alloy formation and promote adhesion of the zinc coating with the steel base metal, the molten coating metal composition normally contains a percentage of aluminum usually in the range from 0.05 to 0.25. This aluminum is purposely supplied to the molten coating bath, either as a specified ingredient in the zinc spelter or by the addition of a master alloy containing aluminum.

7. Mechanical Properties

7.1 Structural steel, high-strength low-alloy steel, high strength low alloy steel with improved formability, solution hardened steel, and bake hardenable steel shall conform to the mechanical property requirements in Table 4 for the grade, or class, or both.

7.1.1 Bake hardenable steel shall conform to bake hardening index requirements included in Table 4 for the grade specified. The method for measuring the bake hardening index is described in the Annex. Bake hardenable steel shall exhibit a minimum increase in yield strength of 4 ksi [25 MPa] as based on the upper yield point or of 3 ksi [20 MPa] as based on the lower yield stress, after a prestrained specimen has been exposed to a standard bake cycle (340°F [170°C] for 20 minutes).

TABLE 2 Chemical Requirements[A]

	Composition, %—Heat Analysis Element, max (unless otherwise shown)													
Designation	Carbon	Manganese	Phosphorus	Sulfur	Aluminum, min	Cu	Ni	Cr	Mo	V	Cb	Ti[B]	N	B
CS Type A[C,D,E]	0.10	0.60	0.030	0.035	. . .	0.25	0.20	0.15	0.06	0.008	0.008	0.025	. . .	. . .
CS Type B[F,C]	0.02 to 0.15	0.60	0.030	0.035	. . .	0.25	0.20	0.15	0.06	0.008	0.008	0.025	. . .	. . .
CS Type C[C,D,E]	0.08	0.60	0.100	0.035	. . .	0.25	0.20	0.15	0.06	0.008	0.008	0.025	. . .	. . .
FS Type A[C,G]	0.10	0.50	0.020	0.035	. . .	0.25	0.20	0.15	0.06	0.008	0.008	0.025	. . .	. . .
FS Type B[F,C]	0.02 to 0.10	0.50	0.020	0.030	. . .	0.25	0.20	0.15	0.06	0.008	0.008	0.025	. . .	. . .
DDS Type A[D,E]	0.06	0.50	0.020	0.025	0.01	0.25	0.20	0.15	0.06	0.008	0.008	0.025	. . .	. . .
DDS Type C[D,E]	0.02	0.50	0.020 to 0.100	0.025	0.01	0.25	0.20	0.15	0.06	0.10	0.10	0.15	. . .	. . .
EDDS[H]	0.02	0.40	0.020	0.020	0.01	0.25	0.20	0.15	0.06	0.10	0.10	0.15	. . .	. . .

[A] Where an ellipsis (. . .) appears in this table, there is no requirement, but the analysis shall be reported.
[B] For steels containing 0.02 % carbon or more, titanium is permitted at the producer's option, to the lesser of 3.4N + 1.5S or 0.025 %.
[C] When a deoxidized steel is required for the application, the purchaser has the option to order CS and FS to a minimum of 0.01 % total aluminum.
[D] Steel is permitted to be furnished as a vacuum degassed or chemically stabilized steel, or both, at the producer's option.
[E] For carbon levels less than or equal to 0.02 %, vanadium, columbium, or titanium, or combinations thereof are permitted to be used as stabilizing elements at the producer's option. In such cases, the applicable limit for vanadium and columbium shall be 0.10 % max and the limit for titanium shall be 0.15 % max.
[F] For CS and FS, specify Type B to avoid carbon levels below 0.02 %.
[G] Shall not be furnished as a stabilized steel.
[H] Shall be furnished as a stabilized steel.

TABLE 3 Chemical Requirements[A]

Designation	Composition, %—Heat Analysis Element, max (unless otherwise shown)												
	Carbon	Manganese	Phosphorus	Sulfur	Si	Al, min	Cu	Ni	Cr	Mo	V[B]	Cb[B]	Ti[B,C,D]	N
SS														
33 [230]	0.20	1.35	0.10	0.04			0.25	0.20	0.15	0.06	0.008	0.008	0.025	. . .
37 [255]	0.20	1.35	0.10	0.04			0.25	0.20	0.15	0.06	0.008	0.008	0.025	. . .
40 [275]	0.25	1.35	0.10	0.04			0.25	0.20	0.15	0.06	0.008	0.008	0.025	. . .
50 [340] Class 1, 2, and 4	0.25	1.35	0.20	0.04			0.25	0.20	0.15	0.06	0.008	0.008	0.025	. . .
50 [340] Class 3	0.25	1.35	0.04	0.04			0.25	0.20	0.15	0.06	0.008	0.008	0.025	. . .
55 [380]	0.25	1.35	0.04	0.04			0.25	0.20	0.15	0.06	0.008	0.008	0.025	. . .
60 [410]	0.25	1.35	0.04	0.04			0.25	0.20	0.15	0.06	0.008	0.008	0.025	. . .
70 [480]	0.25	1.35	0.04	0.04			0.25	0.20	0.15	0.06	0.008	0.008	0.025	. . .

TABLE 3 *Continued*

Designation	Composition, %—Heat Analysis Element, max (unless otherwise shown)													
	Carbon	Manganese	Phosphorus	Sulfur	Si	Al, min	Cu	Ni	Cr	Mo	V[B]	Cb[B]	Ti[B,C,D]	N
80 [550] Class 1	0.20	1.35	0.04	0.04			0.25	0.20	0.15	0.06	0.008	0.015	0.025	. . .
80 [550] Class 2[E]	0.02	1.35	0.05	0.02			0.25	0.20	0.15	0.06	0.10	0.10	0.15	. . .
80 [550] Class 3	0.20	1.35	0.04	0.04			0.25	0.20	0.15	0.06	0.008	0.015	0.025	. . .
HSLAS[F]														
40 [275]	0.20	1.20	. . .	0.035			. . .	0.20	0.15	0.16	0.01 min	0.005 min	0.01 min	. . .
50 [340]	0.20	1.20	. . .	0.035			0.20	0.20	0.15	0.16	0.01 min	0.005 min	0.01 min	. . .
55 [380] Class 1	0.25	1.35	. . .	0.035			0.20	0.20	0.15	0.16	0.01 min	0.005 min	0.01 min	. . .
55 [380] Class 2	0.15	1.20	. . .	0.035			0.20	0.20	0.15	0.16	0.01 min	0.005 min	0.01 min	. . .
60 [410]	0.20	1.35	. . .	0.035			0.20	0.20	0.15	0.16	0.01 min	0.005 min	0.01 min	. . .
70 [480]	0.20	1.65	. . .	0.035			0.20	0.20	0.15	0.16	0.01 min	0.005 min	0.01 min	. . .
80 [550]	0.20	1.65	. . .	0.035			0.20	0.20	0.15	0.16	0.01 min	0.005 min	0.01 min	. . .
HSLAS-F[F,G]														
40 [275]	0.15	1.20	. . .	0.035			. . .	0.20	0.15	0.16	0.01 min	0.005 min	0.01 min	. . .
50 [340]	0.15	1.20	. . .	0.035			0.20	0.20	0.15	0.16	0.01 min	0.005 min	0.01 min	. . .
55 [380] Class 1	0.20	1.35	. . .	0.035			0.20	0.20	0.15	0.16	0.01 min	0.005 min	0.01 min	. . .
55 [380] Class 2	0.15	1.20	. . .	0.035			0.20	0.20	0.15	0.16	0.01 min	0.005 min	0.01 min	. . .
60 [410]	0.15	1.20	. . .	0.035			0.20	0.20	0.15	0.16	0.01 min	0.005 min	0.01 min	. . .
70 [480]	0.15	1.65	. . .	0.035			0.20	0.20	0.15	0.16	0.01 min	0.005 min	0.01 min	. . .
80 [550]	0.15	1.65	. . .	0.035			0.20	0.20	0.15	0.16	0.01 min	0.005 min	0.01 min	. . .
SHS[D]	0.12	1.50	0.12	0.030	. . .	. . .	0.20	0.20	0.15	0.06	0.008	0.008	0.025	. . .
BHS[D]	0.12	1.50	0.12	0.030	. . .	. . .	0.20	0.20	0.15	0.06	0.008	0.008	0.025	. . .

[A]Where an ellipsis (. . .) appears in this table there is no requirement, but the analysis shall be reported.

[B]For carbon levels less than or equal to 0.02 %, vanadium, columbium, or titanium, or combinations thereof, are permitted to be used as stabilizing elements at the producer's option. In such cases, the applicable limit for vanadium and columbium shall be 0.10% max., and the limit for titanium shall be 0.15 % max.

[C]Titanium is permitted for SS steels at the producer's option, to the lesser of 3.4N +1.5S or 0.025 %.

[D]For steels containing more than 0.02 % carbon, titanium is permitted to the lesser of 3.4N + 1.5S or 0.025 %.

[E]Shall be furnished as a stabilized steel.

[F]HSLAS and HSLAS-F steels commonly contain the strengthening elements columbium, vanadium, and titanium added singly or in combination. The minimum requirements only apply to the microalloy elements selected for strengthening of the steel.

[G]HSLAS-F steel shall be treated to achieve inclusion control.

TABLE 4 Mechanical Requirements, Base Metal (Longitudinal)

Inch-Pound Units

Designation	Grade	Yield Strength, min, ksi	Tensile Strength, min, ksi[A]	Elongation in 2 in., min, %[A]	Bake Hardening Index, min, ksi Upper Yield/Lower Yield[A]
SS	33	33	45	20	. . .
	37	37	52	18	. . .
	40	40	55	16	. . .
	50 Class 1	50	65	12	. . .
	50 Class 2	50	. . .	12	. . .
	50 Class 3	50	70	12	. . .
	50 Class 4	50	60	12	. . .
	55	55	70	11	. . .
	60	60	70	10[B]	. . .
	70	70	80	9[B]	. . .
	80 Class 1[C]	80[D]	82	. . .	. . .
	80 Class 2[C,E]	80[D]	82	. . .	. . .
	80 Class 3	80[D]	82	3[F]	. . .
HSLAS	40	40	50[G]	22	. . .
	50	50	60[G]	20	. . .
	55 Class 1	55	70[G]	16	. . .
	55 Class 2	55	65[G]	18	. . .
	60	60	70[G]	16	. . .

TABLE 4 *Continued*

Inch-Pound Units

Designation	Grade	Yield Strength, min, ksi	Tensile Strength, min, ksi[A]	Elongation in 2 in., min, %[A]	Bake Hardening Index, min, ksi Upper Yield/Lower Yield[A]
	70	70	80[G]	12	. . .
	80	80	90[G]	10	. . .
HSLAS-F	40	40	50[G]	24	. . .
	50	50	60[G]	22	. . .
	55 Class 1	55	70[G]	18	. . .
	55 Class 2	55	65[G]	20	. . .
	60	60	70[G]	18	. . .
	70	70	80[G]	14	. . .
	80	80	90[G]	12	. . .
SHS	26	26	43	32	. . .
	31	31	46	30	. . .
	35	35	50	26	. . .
	41	41	53	24	. . .
	44	44	57	22	. . .
BHS	26	26	43	30	4 / 3
	31	31	46	28	4 / 3
	35	35	50	24	4 / 3
	41	41	53	22	4 / 3
	44	44	57	20	4 / 3

SI Units

Designation	Grade	Yield Strength, min, MPa	Tensile Strength, min, MPa[A]	Elongation in 50 mm, min, %[A]	Bake Hardening Index, min, MPa Upper Yield/Lower Yield[A]
SS	230	230	310	20	. . .
	255	255	360	18	. . .
	275	275	380	16	. . .
	340 Class 1	340	450	12	. . .
	340 Class 2	340	. . .	12	. . .
	340 Class 3	340	480	12	. . .
	340 Class 4	340	410	12	. . .
	380	380	480	11	. . .
	410	410	480	10[B]	. . .
	480	480	550	9[B]	. . .
	550 Class 1[C]	550[D]	570	. . .	. . .
	550 Class 2[C,E]	550[D]	570	. . .	. . .
	550 Class 3	550[D]	570	3[F]	. . .
HSLAS	275	275	340[G]	22	. . .
	340	340	410[G]	20	. . .
	380 Class 1	380	480[G]	16	. . .
	380 Class 2	380	450[G]	18	. . .
	410	410	480[G]	16	. . .
	480	480	550[G]	12	. . .
	550	550	620[G]	10	. . .
HSLAS-F	275	275	340[G]	24	. . .
	340	340	410[G]	22	. . .
	380 Class 1	380	480[G]	18	. . .
	380 Class 2	380	450[G]	20	. . .
	410	410	480[G]	18	. . .
	480	480	550[G]	14	. . .
	550	550	620[G]	12	. . .
SHS	180	180	300	32	. . .
	210	210	320	30	. . .
	240	240	340	26	. . .
	280	280	370	24	. . .
	300	300	390	22	. . .
BHS	180	180	300	30	25 / 20
	210	210	320	28	25 / 20
	240	240	340	24	25 / 20
	280	280	370	22	25 / 20
	300	300	390	20	25 / 20

[A]Where an ellipsis (. . .) appears in this table there is no requirement.

[B]For sheet thickness of 0.028 in. [0.71 mm] or thinner, the elongation requirement is reduced two percentage points for SS Grades 60 [410] and 70 [480].

[C]For sheet thickness of 0.028 in. [0.71 mm] or thinner, no tension test is required if the hardness result in Rockwell B85 or higher.

[D]As there is no discontinuous yield curve, the yield strength should be taken as the stress at 0.5 % elongation under load or 0.2 % offset.

[E]SS Grade 80 [550] Class 2 may exhibit different forming characteristics than Class 1, due to difference in chemistry.

[F]The purchaser should consult with the producer when ordering SS Grade 80 [550] Class 3 material in sheet thicknesses 0.028 in. [0.71 mm] or thinner regarding elongation and tension test requirements.

[G]If a higher tensile strength is required, the user should consult the producer.

7.2 The typical mechanical properties for CS (Types A, B, and C), FS (Types A and B), DDS (Types A and C), and EDDS sheet designations are listed in Table 5. These mechanical property values are nonmandatory. They are intended solely to provide the purchaser with as much information as possible to make an informed decision on the steel to be specified. Values outside of these ranges are to be expected.

7.3 When base metal mechanical properties are required, all tests shall be conducted in accordance with the methods specified in Specification A924/A924M.

7.4 *Bending Properties Minimum Cold Bending Radii*—Structural steel and high-strength low-alloy steel are commonly fabricated by cold bending. There are many interrelated factors that affect the ability of a steel to cold form over a given radius under shop conditions. These factors include thickness, strength level, degree of restraint, relationship to rolling direction, chemistry, and base metal microstructure. The table in Appendix X1 lists the suggested minimum inside radius for 90° cold bending for structural steel and high-strength low-alloy steel. They presuppose "hard way" bending (bend axis parallel to rolling direction) and reasonably good shop forming practices. Where possible, the use of larger radii or "easy way" bends are recommended for improved performance.

8. Coating Properties

8.1 *Coating Weight [Mass]*:

8.1.1 Coating weight [mass] shall conform to the requirements as shown in Table 1 for the specific coating designation, or

8.1.2 If required, the coating mass shall conform to the requirements as shown in Table S2.1 for the specific single spot/single side coating mass designation (single spot/single side designations are available only in SI units).

8.1.3 Use the following relationships to estimate the coating thickness from the coating weight [mass]:

8.1.3.1 1 oz/ft^2 coating weight = 1.7 mils coating thickness, and

8.1.3.2 7.14 g/m^2 coating mass = 1 μm coating thickness.

8.1.4 Use the following relationship to convert coating weight to coating mass:

8.1.4.1 1 oz/ft^2 coating weight = 305.15 g/m^2 coating mass.

8.2 *Coating Weight [Mass] Tests*:

8.2.1 Coating weight [mass] tests shall be performed in accordance with the requirements of Specification A924/A924M.

8.2.2 The referee method to be used shall be Test Method A90/A90M.

8.3 *Coating Bend Test*:

8.3.1 The bend test specimens of coated sheet designated by prefix "G" ["Z"] shall be capable of being bent through 180° in any direction without flaking of the coating on the outside of the bend only. The coating bend test inside diameter shall have a relation to the thickness of the specimen as shown in Table 6. Flaking of the coating within 0.25 in. [6 mm] of the edge of the bend specimen shall not be cause for rejection.

8.3.2 Because of the characteristics of zinc-iron alloy coatings designated by prefix "A" ["ZF"] as explained in the Discussion following 3.2.8, coating bend tests are not applicable.

9. Retests and Disposition of Non-Conforming Material

9.1 Retests, conducted in accordance with the requirements of the section on Retests and Disposition of Non-Conforming Material of Specification A924/A924M, are permitted when an unsatisfactory test result is suspected to be the consequence of the test method procedure.

9.2 Disposition of non-conforming material shall be subject to the requirements of 13.2 of Specification A924/A924M.

10. Dimensions and Permissible Variations

10.1 All dimensions and permissible variations shall comply with the requirements of Specification A924/A924M.

11. Keywords

11.1 alloyed coating; bake hardenable steel; high strength low alloy; minimized spangle coating; sheet steel; solution hardened steel; spangle; steel; steel sheet; structural steel; zinc; zinc coated (galvanized); zinc iron-alloy; zinc iron-alloy coated

TABLE 5 Typical Ranges of Mechanical Properties[A,B] (Nonmandatory)

Designation	(Longitudinal Direction)			r_m Value[C]	n Value[D]
	Yield Strength		Elongation in 2 in. [50 mm], %		
	ksi	[MPa]			
CS Type A	25/55	[170/380]	≥20	[E]	[E]
CS Type B	30/55	[205/380]	≥20	[E]	[E]
CS Type C	25/60	[170/410]	≥15	[E]	[E]
FS Types A and B	25/45	[170/310]	≥26	1.0/1.4	0.17/0.21
DDS Type A	20/35	[140/240]	≥32	1.4/1.8	0.19/0.24
DDS Type C	25/40	[170/280]	≥32	1.2/1.8	0.17/0.24
EDDS[F]	15/25	[105/170]	≥40	1.6/2.1	0.22/0.27

[A]The typical mechanical property values presented here are nonmandatory. They are intended solely to provide the purchaser with as much information as possible to make an informed decision on the steel to be specified. Values outside of these ranges are to be expected. The purchaser may negotiate with the supplier if a specific range or a more restrictive range is required for the application.

[B]These typical mechanical properties apply to the full range of steel sheet thicknesses. The yield strength tends to increase and some of the formability values tend to decrease as the sheet thickness decreases.

[C]r_m Value—Average plastic strain ratio as determined by Test Method E517.

[D]n Value—Strain-hardening exponent as determined by Test Method E646.

[E]No typical mechanical properties have been established.

[F]EDDS Sheet will be free from changes in mechanical properties over time, that is, nonaging.

TABLE 6 Coating Bend Test Requirements

Inch-Pound Units

Coating Designation[B]	Ratio of the Inside Bend Diameter to Thickness of the Specimen (Any Direction) CS, FS, DDS, EDDS, SHS, BHS			SS, Grade[A]		
	Sheet Thickness					
	Through 0.039 in.	Over 0.039 through 0.079 in.	Over 0.079 in.	33	37	40
G01	0	0	0	1½	2	2½
G30	0	0	0	1½	2	2½
G40	0	0	0	1½	2	2½
G60	0	0	0	1½	2	2½
G90	0	0	1	1½	2	2½
G100	0	0	1	1½	2	2½
G115	0	0	1	1½	2	2½
G140	1	1	2	2	2	2½
G165	2	2	2	2	2	2½
G185	2	2	2	2	2	2½
G210	2	2	2	2	2	2½
G235	2	2	3	3	3	3

	HSLAS[A]			HSLAS-F				
	40	50	60	40	50	60	70	80
G01	1½	1½	3	1	1	1	1½	1½
G30	1½	1½	3	1	1	1	1½	1½
G40	1½	1½	3	1	1	1	1½	1½
G60	1½	1½	3	1	1	1	1½	1½
G90	1½	1½	3	1	1	1	1½	1½
G100	1½	1½	3	1	1	1	1½	1½
G115	1½	1½	3	1	1	1	1½	1½

SI Units

Coating Designation[B]	Ratio of the Inside Bend Diameter to Thickness of the Specimen (Any Direction) CS, FS, DDS, EDDS, SHS, BHS			SS, Grade[C]		
	Sheet Thickness					
	Through 1.0 mm	Over 1.0 mm through 2.0 m	Over 2.0 mm	230	255	275
Z001	0	0	0	1½	2	2½
Z90	0	0	0	1½	2	2½
Z120	0	0	0	1½	2	2½
Z180	0	0	0	1½	2	2½
Z275	0	0	0	1½	2	2½
Z305	0	0	1	1½	2	2½
Z350	0	0	1	1½	2	2½
Z450	1	1	2	2	2	2½
Z500	2	2	2	2	2	2½
Z550	2	2	2	2	2	2½
Z600	2	2	2	2	2	2½
Z700	2	3	3	3	3	3

	HSLAS[C]			HSLAS-F				
	275	340	410	275	340	410	480	550
Z001	1½	1½	3	1	1	1	1½	1½
Z90	1½	1½	3	1	1	1	1½	1½
Z120	1½	1½	3	1	1	1	1½	1½
Z180	1½	1½	3	1	1	1	1½	1½
Z275	1½	1½	3	1	1	1	1½	1½
Z305	1½	1½	3	1	1	1	1½	1½
Z350	1½	1½	3	1	1	1	1½	1½

[A] SS Grades 50, 60, 70, and 80, HSLAS, and HSLAS-F Grades 70 and 80 are not subject to bend test requirements.
[B] If other coatings are required, the user should consult the producer for availability and suitable bend test requirements.
[C] SS Grades 340, 410, 480, and 550, HSLAS, and HSLAS-F Grades 480 and 550 are not subject to bend test requirements.

SUPPLEMENTARY REQUIREMENTS

The following standardized supplementary requirements are for use when desired by the purchaser. These additional requirements shall apply only when specified on the order.

S1. Base Metal Thickness

S1.1 The specified minimum thickness shall apply to the base metal only.

S1.2 The coating designation shown on the order indicates the coating to be applied to the specified minimum base metal thickness.

S1.3 The applicable tolerances for base metal thickness are shown in Tables 16 and Tables 17, Thickness Tolerance of Cold-Rolled Sheet (Carbon and High-Strength, Low-Alloy Steel), of Specification A568/A568M.

S2. Single Spot/Single Side Coating Mass

S2.1 The coating designation shown on the order indicates the coating mass to be applied to a single side. The order shall specify a coating mass designation from Table S2.1 for each surface. No inch pound designations are available, although for each SI coating mass designation in Table S2.1, corresponding inch-pound values are shown for information purposes

S2.2 The format for specifying the coating for each surface on the order shall be, for instance, 60G60G. In the case of differential coating masses, the thicker (heavier) coating mass side shall be specified first, for instance 90G45G.

TABLE S2.1 Mass of Coating Requirements—Single Spot/Single Side[A,B,C]

NOTE 1—Use the information provided in 8.1.3 to obtain the approximate coating thickness per side from the coating mass.

NOTE 2—As stated in 1.5, values in SI and inch-pound units are not necessarily equivalent.

Single Spot/Single Side Coating Mass					
Type	SI Units			Inch-Pound Units (information only)	
	Coating Designation	Minimum, g/m^2	Maximum, g/m^2	Minimum, oz/ft^2	Maximum, oz/ft^2
Zinc	20G	20	70	0.07	0.23
	30G	30	80	0.10	0.26
	40G	40	90	0.12	0.29
	45G	45	95	0.15	0.31
	50G	50	100	0.16	0.33
	55G	55	105	0.18	0.34
	60G	60	110	0.20	0.36
	70G	70	120	0.23	0.40
	90G	90	160	0.30	0.62
	100G[D]	100	200	0.32	0.65
Zinc-Iron Alloy	40A	40	70	0.13	0.23
	45A	45	75	0.15	0.25
	50A	50	80	0.16	0.26

[A]The coating designation is the term by which the minimum single spot/single side coating mass is specified for each side.

[B]As it is an established fact that the atmospheric corrosion resistance of zinc or zinc-iron alloy-coated sheet products is a direct function of coating thickness (mass), the selection of thinner (lighter) coating designations will result in almost linearly reduced corrosion performance of the coating. For example, heavier galvanized coatings perform adequately in bold atmospheric exposure whereas the lighter coatings are often further coated with paint or a similar barrier coating for increased corrosion resistance. Because of this relationship, products carrying the statement "meets ASTM A653/A653Mrequirements" should also specify the particular coating designation.

[C]Ordering to single spot/single side spot coating weight designations allows for the possibility of receiving product with a higher average total coating mass on both surfaces than what might be expected on assumed equivalent product coated to the total both sides requirement of Table 1. The user should be aware that this may result in issues during forming and spot welding.

[D]It is permissible to order Coating Designation 100G as 98G. Historically, the conversion from 0.32 oz/ft^2 to g/m^2 resulted in a value of 98 g/m^2 which was subsequently rounded to 100 g/m^2. Both SI designations have the same limits.

ANNEX

(Mandatory Information)

A1. BAKE HARDENABLE STEELS

A1.1 Determination of Bake Hardening Index

A1.1.1 The bake hardening index (BHI) is determined by a two-step procedure using a standard longitudinal (rolling direction) tensile-test specimen, prepared in accordance with Test Methods A370. The test specimen is first strained in tension. The magnitude of this tensile "pre-strain" shall be 2 % (extension under load). The test specimen is then removed from the test machine and baked at a temperature of 340°F [170°C] for a period of 20 minutes. Referring to Fig. A1.1, the bake hardening index (BHI) of the material is calculated as follows:

$$BHI = B - A \quad \text{(A1.1)}$$

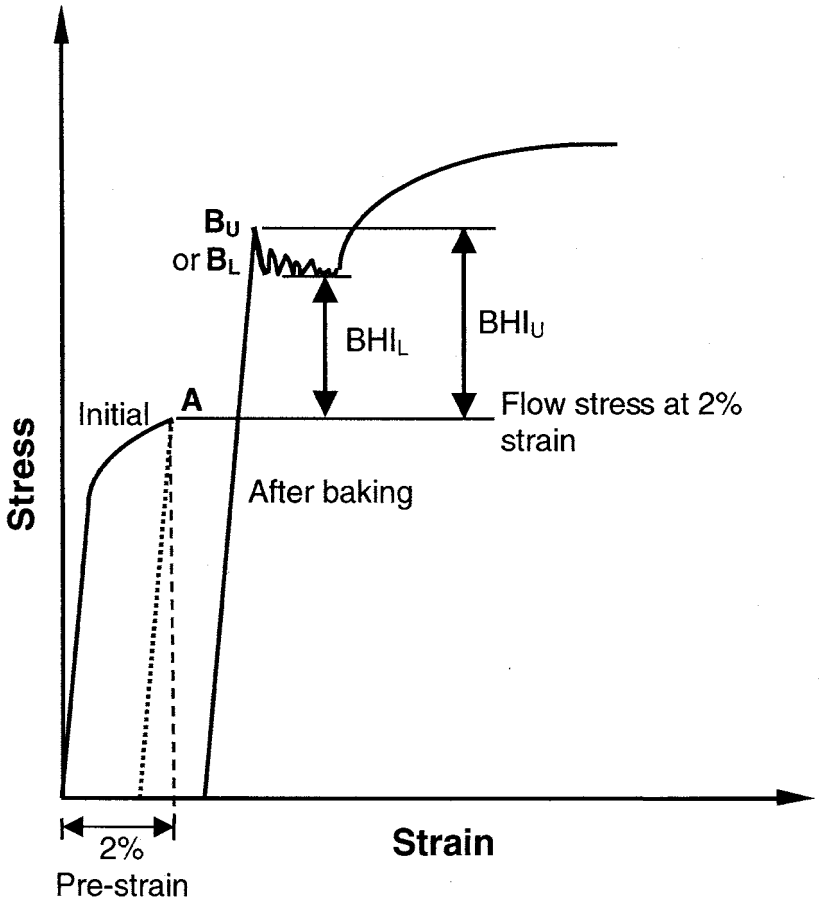


FIG. A1.1 Representation of Bake Hardening Index

where:

A = flow stress at 2 % extension under load

B = yield strength [upper yield strength (B_U) or lower yield stress (B_L)] after baking at 340°F [170°C] for 20 minutes.

A1.1.2 The original test specimen cross section (width and thickness) is used in the calculation of all engineering strengths in this test.

A1.1.3 The pre-straining of 2 % in tension is intended to simulate a modest degree of forming strain, while the subsequent baking is intended to simulate a paint-curing or similar treatment. In the production of actual parts, forming strains and baking treatments can differ from those employed here and, as a result, final properties can differ from the values obtained under these controlled conditions.

APPENDIXES

(Nonmandatory Information)

X1. BENDING PROPERTIES

X1.1 Table X1.1 lists suggested minimum inside radii for cold bending.

TABLE X1.1 Suggested Minimum Inside Radii for Cold Bending[A]

NOTE 1— (*t*) equals a radius equivalent to the steel thickness.
NOTE 2—The suggested radii should be used as minimums for 90° bends in actual shop practice.

Designation	Grade	Minimum Inside Radius for Cold Bending[B]
SS	33 [230]	1½ *t*
	37 [255]	2*t*
	40 [275]	2*t*
	50 [340] Class 1	not applicable
	50 [340] Class 2	not applicable
	50 [340] Class 3	not applicable
	50 [340] Class 4	not applicable
	55 [380]	not applicable
	60 [410]	not applicable
	70 [480]	not applicable
	80 [550] Class 1	not applicable
	80 [550] Class 2	not applicable
	80 [550] Class 3	not applicable
HSLAS	40 [275]	2*t*
	50 [340]	2½ *t*
	55 [380] Class 1	3*t*
	55 [380] Class 2	3*t*
	60 [410]	3*t*
	70 [480]	4*t*
	80 [550]	4½ *t*
HSLAS-F	40 [275]	1½ *t*
	50 [340]	2*t*
	55 [380] Class 1	2*t*
	55 [380] Class 2	2*t*
	60 [410]	2*t*
	70 [480]	3*t*
	80 [550]	3*t*
SHS	26 [180]	½ *t*
	31 [210]	1*t*
	35 [240]	1½ *t*
	41 [280]	2*t*
	44 [300]	2*t*
BHS	26 [180]	½ *t*
	31 [210]	1*t*
	35 [240]	1½ *t*
	41 [280]	2*t*
	44 [300]	2*t*

[A]Material that does not perform satisfactorily, when fabricated in accordance with the requirements in Table X1.1, may be subject to rejection pending negotiation with the steel supplier.
[B]Bending capability may be limited by coating designation.

X2. RATIONALE FOR CHANGES IN PRODUCT DESIGNATIONS

X2.1 Subcommittee A05.11 has revised the designations used to classify the various products available in each hot-dip coated specification. The previous "quality" designations have been replaced with designations and descriptions more closely related with product characteristics. Many of the former "quality" specifications described the steel only in terms of limited chemical composition, which in some cases was identical for two or more qualities. The former designations also did not reflect the availability of new steels which are the result of the use of new technologies such as vacuum degassing and steel ladle treatments.

X2.2 The former "quality" designators, defined in very broad qualitative terms, did not provide the user with all the information needed to select the appropriate steel for an application. The new designations are defined with technical information such as specific chemical composition limits and typical nonmandatory mechanical properties. These steel characteristics are important to users concerned with the weldability and formability of the coated steel products. The typical mechanical properties included in the new designation system are those indicated by the tension test. These properties are more predictive of steel formability than other tests such as the hardness test which may not compensate adequately for product variables such as substrate thickness and coating weight.

X2.3 The new designations also provide the user with the flexibility to restrict the steels applied on any order. For example, a user can restrict the application of ultra low carbon steels on an application through the selection of an appropriate "type" designator.

X2.4 There is a limited relationship between the former and current systems of designation. Some of the reasons for this limited relationship are: addition of steels not previously described in ASTM specifications, restrictions placed on ranges of chemical composition, the addition of typical mechanical properties, and the enhanced capability of steel producers to combine chemical composition and processing

methods to achieve properties tailored to specific applications.

X2.5 The changes in designation are significant which may create transition issues that will have to be resolved. Continued dialogue between users and producers will have to be maintained to assist with the transition to the new system of designations. A user with concerns about the appropriate coated steel to order for a specific application should consult with a steel supplier or producer.

X3. RELATIONSHIP BETWEEN SPECIFICATIONS THAT DESCRIBE REQUIREMENTS FOR A COMMON PRODUCT

X3.1 ISO 3575 and ISO 4998 may be reviewed for comparison with this standard. The relationship between the standards may only be approximate; therefore, the respective documents should be consulted for actual requirements. Those who use these documents must determine which specifications address their needs.

X4. COATING MASS SELECTION BASED ON ATMOSPHERIC CORROSION RATES[4] FOR ZINC-COATED STEEL SHEET

X4.1 The proper selection of coating mass to meet a user's needs for zinc-coated steel sheet requires some knowledge about the relative corrosiveness of the environment in which the product will be used. The corrosion rate of the zinc coating varies widely depending upon many factors of the environment. For example, the time of wetness is an important issue that affects the corrosion rate. The presence of impurities such as chlorides, nitrates, and sulfates can also dramatically affect the rate of corrosion. Other issues such as the presence or absence of oxygen and the temperature of the environment are important determinants for predicting the "life of the product."

X4.2 The final performance requirements can also impact the minimum coating mass needed for a given application. For example, is the application an aesthetic one that requires no red rust. In this case, the time to failure is thus defined as the time for the onset of red rust (the time for the zinc coating to be consumed in a large enough area for rusting of the steel to be observed). Or, is the application one in which the time to failure is defined as the time when perforation of the steel sheet is observed? In this case, the thickness of the steel sheet as well as the thickness of the zinc coating impact the time to failure.

[4] Atmospheric corrosion rates do not apply to zinc-iron alloy coatings.

X4.3 No matter how one defines the "product life," there are data in the published literature to assist users once the environment and desired product life are determined.

X4.4 Although the corrosion rate can vary considerably depending on the environmental factors, it is well known that, in most instances, the life of the zinc coating is a linear function of coating mass for any specific environment. That means, to achieve twice the life for any specific application, the user should order twice the coating mass.

X4.4.1 *Examples*:

X4.4.1.1 A G60 coating mass will exhibit approximately twice the life of a G30 coating mass.

X4.4.1.2 A G90 coating mass will exhibit about 50 % longer life than a G60 coating mass.

X4.5 The following two reference books are excellent sources for additional and more detailed information on the corrosion behavior of zinc-coated steel sheet products:

X4.5.1 *Corrosion and Electrochemistry of Zinc*, X. Gregory Zhang, published by Plenum Press, 1996.

X4.5.2 *Corrosion Resistance of Zinc and Zinc Alloys*, Frank C. Porter, Published by Marcel Dekker, Inc., 1994

SUMMARY OF CHANGES

Committee A05 has identified the location of selected changes to this standard since the last issue (A653/A653M - 08) that may impact the use of this standard. (May 1, 2009)

(*1*) Added new Grade 80 Class 3 requirements to Tables 3, 4, and X1.1.
(*2*) Added new SS Grade 60 [410] and 70 [480] requirements to Tables 3, 4, 6, and X1.1.
(*3*) Changed reference from D2092 to D7396 in 2.1 and 3.2.8.1.
(*4*) Changed the order of the coating weight [mass] designations in Table 6 from descending to ascending.
(*5*) Added 20G coating designation to Table S2.1

Committee A05 has identified the location of selected changes to this standard since the last issue (A653/A653M - 07) that may impact the use of this standard. (July 15, 2008)

(*1*) Changed the order of the coating weight [mass] designations in Table 1 from descending to ascending, and changed Footnote A.

(*2*) Added Supplementary Requirement S2 that allows a purchaser to order product to single spot/single side coating designations. In support of this, revisions were made in 1.2, 4.3, and 8.1.1; and added 5.2.16.2 and 8.1.2, with previous 8.1.2 renumbered as 8.1.3.

(*3*) Added 8.1.4 added showing the formula for converting coating weight to coating mass.

(*4*) Replaced footnote H with footnotes D and E on DDS Type C in Table 2.

(*5*) In Table 3, revised SS GRD 33 to increase P level.

(*6*) Revised 10.1.

(*7*) Deleted Flatness Tables: 7 and 8.

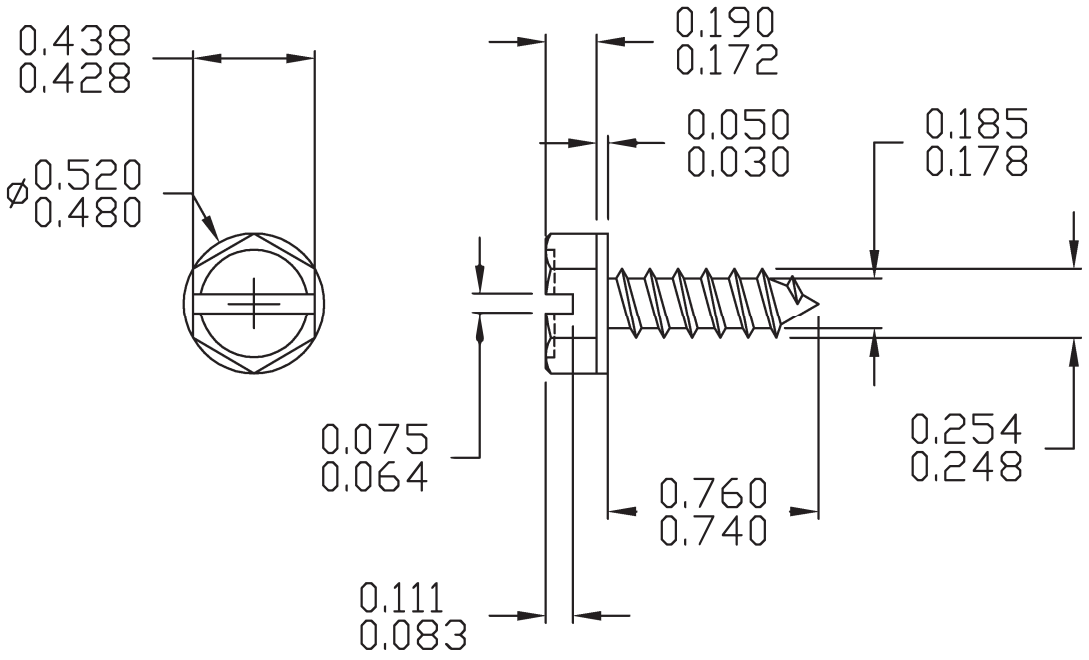
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NOTES:

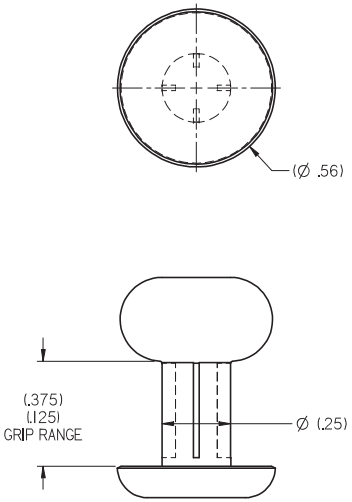
1. MATERIAL: STEEL # 1038 (GRADE 2 SCREW).
2. HARDNESS: ROCKWELL 100B MAX.
3. TENS STR MIN: 69000 PSI.
4. FINISH: INORGANIC PLATING, 5-10 μm ZINC DICHROMATE 240 HOURS SALT SPRAY NO RED OR BLACK OXIDE ON ANY SURFACE PER ASTM F1789. TEST METHOD ASTM B 117 & ASTM D 610.



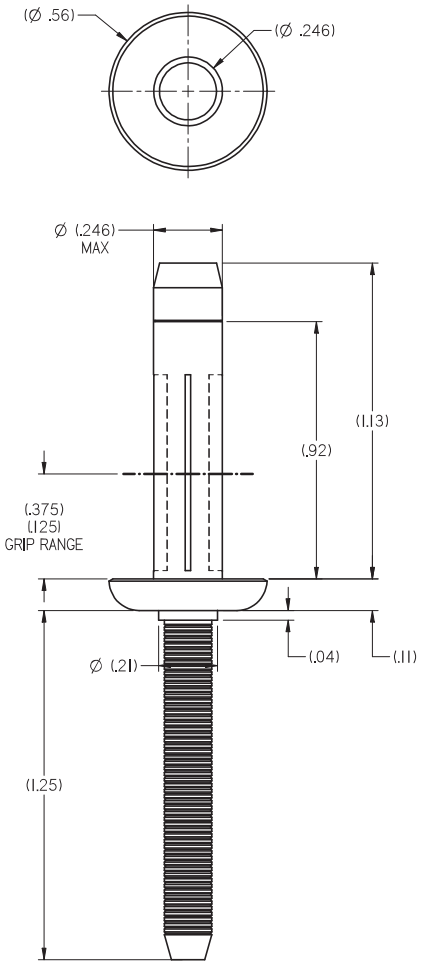
					KRACK CORPORATION		
					MATERIAL: SEE INTERNATIONAL STANDARD		
					DESCRIPTION: SCREW - SHEET METAL - TYPE A - #14	SHEET 37 OF 39	
A	-	RELEA SEDF OR P RODUCT ION	GMS	03/30/11			
REV #	ECR #	CHANGE DESCRIPTION	BY:	DATE:	MODEL: HARDWARE KRACK	JOB NO: -	
TOLERANCE: UNLESS OTHERWISE SPECIFIED ANGULAR: + / - 0.5° DECIMAL: + / - 0.031"			THIRD ANGLE PROJECTION		SCALE: NONE	SHEET# 1 OF 1	PART NO: 05385
					DRAWN BY: GMS	DATE: 3-30-11	

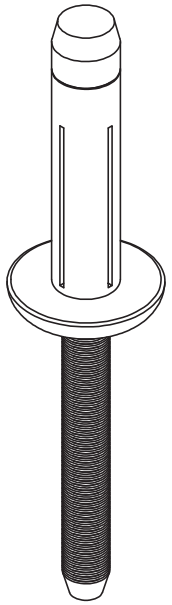
REVISION HISTORY						
REV	ECN	DATE	REVISION DESCRIPTION	REV BY	CHKD BY	APPR BY
B	ECN-CAP-0012525	2018/04/10	CREATED IN SE	KK	EGC	EGC

INSTALLED



AS - RECEIVED





NOTES:

1. APPLICABLE STANDARDS / SPECIFICATIONS ASME Y14.5M-1994, DIMENSIONING AND TOLERANCING
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL Ⓚ
3. ONLY THE ITEM DESCRIBED ON THIS DRAWING, WHEN PROCURED FROM THE VENDOR (S) LISTED HEREON IS APPROVED BY HUSSMANN CORPORATION FOR USE IN APPLICATIONS SPECIFIED HEREON. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR APPROVAL BY HUSSMANN ENGINEERING.
4. IDENTIFICATION OF THE APPROVED SOURCE (S) HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEMS DESCRIBED ON THE DRAWING.
5. MATERIAL- STEEL
6. FINISH : RIVET = CAD. PLATE OR ZINC PLATE AT MANUFACTURER'S OPTION.
   STEM = CAD. PLATE OR ZINC PLATE AT MANUFACTURER'S OPTION.
7. RV66 SERIES BLIND RIVETS CAN ONLY BE INSTALLED WITH THE RV8840B-8 PULLING HEAD
8. PUSHOUT LBS. REQUIRED - 50 lbs. MINIMUM
9. KRACK PROPRIETARY RIVET
10. SOURCE ONLY FROM: OLYMPIC FASTENING SYSTEMS, INC
11. OLYMPIC P/N: RV66/260-8-6 1/4" STL, 3 PIN
12. RECOMMENDED HOLE SIZE - 1/4"
13. U.S. PAT. #3,178,989, OTHER PATENTS PENDING, ALSO FOREIGN PATENTS.

APPROVED SOURCES OF SUPPLY					
LINE	HUSSMANN P/N	DESCRIPTION	VENDOR	VENDOR P/N	COMMENTS
1	0545400000	RIVET-0.25 DIA X 0.125-0.375 GRIP	OLYMPIC FASTENING SYSTEMS, INC	05454	
2					
3					
4					
5					
6					

SOURCE CONTROL DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

SHEET 38 OF 39

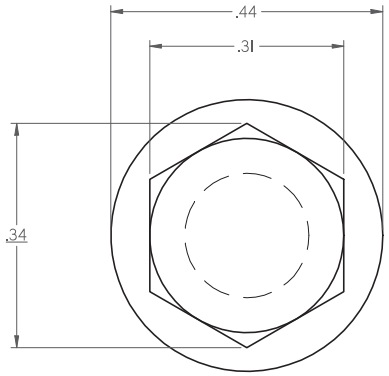
HUSSMANN®

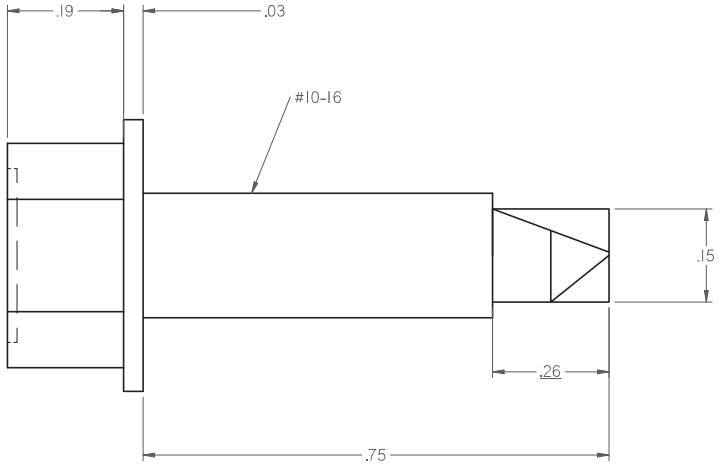
RIVET-0.25 DIA X 0.125-0.375 GRIP

P/N 0545400000 REV B

GDF 3.0 SHEET SIZE D (ISO D)

REVISION HISTORY						
REV	ECN	DATE	REVISION DESCRIPTION	REV BY	CHKD BY	APPR BY
A	NA	04/24/20	DESIGN RELEASED	JS	JS	JS





NOTES:
1. APPLICABLE STANDARDS / SPECIFICATIONS
   ASME Y14.5M-1994, DIMENSIONS AND TOLERANCES
2. KEY PRODUCT CHARACTERISTICS PER EPR-0006 & IDENTIFIED WITH SYMBOL (K)
3. Dimensions: ASME B18.6.3
4. SAE J78#Fully Threaded
5. Material & Mechanical Properties: #4 - 1/4: SAE J786.
6. Thread Requirements: SAE J78
7. Finish: Fe/Zn 3AN per ASTM F1941/F1941M
8. Drive: Hex
9. Point Style: #2 or #3 acceptable

APPROVED SOURCES OF SUPPLY					
LINE	HUSSMANN P/N	DESCRIPTION	VENDOR	VENDOR P/N	COMMENTS
1	E312774	10-16X3/4"TEK2 HXWSHR HD SD SW	FASTENAL	1131812	
2					
3					
4					
5					
6					

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION

SHEET 39 OF 39

HUSSMANN®

10-16X3/4"TEK2 HXWSHR HD SD SW

P/N E312774 REV A

GDF 3/D SHEET SIZE D