VFD ORDER CODE

POSITION #	1	2	3	4	5	6	7	8	9	10	11
CODE NUMBER	1	9	X	V							

- MODEL
- VFD SUPPLIER CODE (SEE CHART #1)
- VFD FRAME CODE (SEE CHART #2)
- VFD LINE VOLTAGE CODE (SEE CHART #3)
- VFD OPTIONS (SEE CHART #4)

CHART #1	VFD SUPPLIER CODE
CODE NO. POS. #5	SUPPLIER
A	RELIANCE ELECTRIC LIQUIFLO-2 VFD

CHART #2					
VFD FRAME CODE			RELIANCE DRIVE PACKAGE FRAME SIZES AND AMP RATINGS		
#6	#7	#8			
DRIVE FRAME CODE			NAMEPLATE/UL IN/OUT AMPS RATING	OVERLOAD INPUT AMPS (RECTIFIER) RATING	OVERLOAD OUTPUT AMPS (INVERTER) RATING	WEIGHT (LBS)
NA			NA	NA	NA	NA
4AA			900/900	954A	954A	2800
4CC			1215/1215	1239A	1239A	2800

CHART #3	VFD VOLTAGE
CODE NO. POS. #9	NAMEPLATE LINE VOLTAGE
1	NA
2	NA
3	380-3-60
4	416-3-60
5	460-3-60
6	NA
7	NA
8	NA
9	400-3-50

CHART #4 OPTIONS

POSITION #11

POSITION #10	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	V	W	X	Y	Z
A	1	29	124	169	279	469	1248	1369	1789	2478	3567	5789	12469	13489	15689	24567	34689	123567	125789	234567	345689	1245789	12356789
B	2	34	125	178	289	478	1249	1378	2345	2479	3568	6789	12478	13567	15789	24568	34789	123568	126789	234568	345789	1246789	12456789
C	3	35	126	179	345	479	1256	1379	2346	2489	3569	12345	12479	13568	16789	24569	35678	123569	134567	234569	346789	1256789	13456789
D	4	36	127	189	346	489	1257	1389	2347	2567	3578	12346	12489	13569	23456	24578	35679	123578	134568	234578	356789	1345678	23456789
E	5	37	128	234	347	567	1258	1456	2348	2568	3579	12347	12567	13578	23457	24579	35689	123579	134569	234579	456789	1345679	123456789
F	6	38	129	235	348	568	1259	1457	2349	2569	3589	12348	12568	13579	23458	24589	35789	123589	134578	234589	1234567	1345689	-
G	7	39	134	236	349	569	1267	1458	2356	2578	3678	12349	12569	13589	23459	24678	36789	123678	134579	234678	1234568	1345789	-
H	8	45	135	237	356	578	1268	1459	2357	2579	3679	12356	12578	13678	23467	24679	45678	123679	134589	234679	1234569	1346789	-
J	9	46	136	238	357	579	1269	1467	2358	2589	3689	12357	12579	13679	23468	24689	45679	123689	134678	234689	1234578	1356789	-
K	12	47	137	239	358	589	1278	1468	2359	2678	3789	12358	12589	13689	23469	24789	45689	123789	134679	234789	1234579	1456789	-
L	13	48	138	245	359	678	1279	1469	2367	2679	4567	12359	12678	13789	23478	25678	45789	124567	134689	235678	1234589	2345678	-
M	14	49	139	246	367	679	1289	1478	2368	2689	4568	12367	12679	14567	23479	25679	46789	124568	134789	235679	1234678	2345679	-
N	15	56	145	247	368	689	1345	1479	2369	2789	4569	12368	12689	14568	23489	25689	56789	124569	135678	235689	1234679	2345689	-
P	16	57	146	248	369	789	1346	1489	2378	3456	4578	12369	12789	14569	23567	25789	123456	124578	135679	235789	1234689	2345789	-
Q	17	58	147	249	378	1234	1347	1567	2379	3457	4579	12378	13456	14578	23568	26789	123457	124579	135689	236789	1234789	2346789	-
R	18	59	148	256	379	1235	1348	1568	2389	3458	4589	12379	13457	14579	23569	34567	123458	124589	135789	245678	1235678	2356789	-
S	19	67	149	257	389	1236	1349	1569	2456	3459	4678	12389	13458	14589	23578	34568	123459	124678	136789	245679	1235679	2456789	-
T	23	68	156	258	456	1237	1356	1578	2457	3467	4679	12456	13459	14678	23579	34569	123467	124679	145678	245689	1235689	3456789	-
V	24	69	157	259	457	1238	1357	1579	2458	3468	4689	12457	13467	14679	23589	34578	123468	124689	145679	245789	1235789	12345678	-
W	25	78	158	267	458	1239	1358	1589	2459	3469	4789	12458	13468	14689	23678	34579	123469	124789	145689	246789	1236789	12345679	-
X	26	79	159	268	459	1245	1359	1678	2467	3478	5678	12459	13469	14789	23679	34589	123478	125678	145789	256789	1245678	12345689	-
Y	27	89	167	269	467	1246	1367	1679	2468	3479	5679	12467	13478	15678	23689	34678	123479	125679	146789	345678	1245679	12345789	-
Z	28	123	168	278	468	1247	1368	1689	2469	3489	5689	12468	13479	15679	23789	34679	123489	125689	156789	345679	1245689	12346789	-

VFD
OPTION LIST:

1 - 3 PHASE VOLTS/AMPS ANALOG METER PACKAGE
2 - HIGH INTERRUPT CIRCUIT BREAKER WITH SHUNT TRIP (100K AMPS)
3 - CE MARKING COMPLIANCE
4 -

EXAMPLES:

00 (ZERO, ZERO) = NO OPTIONS
LA = CONSISTS OF: 1,3
METER PACKAGE
CE MARKING COMPLIANCE

NO DEVIATION FROM THE CONSTRUCTION DEFINED BY AN APPROVED SAMPLE OR DETAILED SPECIFICATION (ON FILE IN CARRIER AIR CONDITIONING COMPANY ENGINEERING DEPARTMENT) WILL BE MADE WITHOUT WRITTEN APPROVAL FROM CARRIER AIR CONDITIONING COMPANY PURCHASING DEPARTMENT.

REV	REVISION RECORD	DATE	BY	CHK'D	APP'D	NPCA NO.
4.0	ADDED 4AA OPTION	01/25/08	HeCY	WangL	JinL	197575GA
3.0	NO CHANGE TO THIS SHEET; SHEET # 9,10,11,12,14 OF 16 ARE REMOVED.	12/12/06	PK-H	-	CBH	195307DJ

DRAWING RELEASE LEVEL: **PRODUCTION**

THIRD ANGLE PROJECTION

MATERIAL: SEE BILL OF MATERIAL -

ENGINEERING REQUIREMENTS: -

WEIGHT: -

SURFACE FINISH: - | MFG/PURCH: -

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON:

1 DEC	2 DEC	3 DEC	ANG
± -	± .12	± -	± - °

AUTHORIZATION NUMBER: 197575GA

ENGINEERING	MANUFACTURING
JinL 01/25/08	ShiJC01/25/08
DRAFTER	CHECKER
HeCY 01/25/08	WangL01/25/08

CAD MODEL (INTERNAL USE ONLY): MODEL NAME 4.0

Carrier
A United Technologies Company

TITLE: VFD ASY
19XR LF-2 4AA & 4CC

SIZE	DRAWING NUMBER	REV
D	19XV04006501 SHEET 1 OF 10	4.0

NEXT DRAWING	SCALE	DISTRIBUTION
-	N/A	-

UNCONTROLLED WHEN PRINTED

GENERAL DESCRIPTION:

1. VARIABLE FREQUENCY DRIVE (VFD) SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH N.E.C., U.L., C.S.A. AND CARRIER ENGINEERING REQUIREMENT Z-420. WHEN THE "CE OPTION" IS ORDERED, THE VFD SHALL ALSO COMPLY WITH ALL APPLICABLE CE MARKING DIRECTIVES.

2. VFD SHALL BE UL LISTED AND C.S.A. CERTIFIED OR cUL LISTED FOR 346-480VAC, 3 PHASE, 50/60 HZ INPUT POWER AND SHALL BE CAPABLE OF OPERATING IN ALL COMMERCIAL THREE WIRE CIRCUITS, PLUS GROUND.

3. VFD TO BE SUPPLIED COMPLETE WITH WIRING TO ALL COMPONENTS.

STANDARD EQUIPMENT SHALL BE INCLUDED AS FOLLOWS:

3A. NEMA 1 DESIGN ENCLOSURE, WITH RAIL MOUNTING AND VERTICALLY HINGED LOCKABLE DOORS IN ACCORDANCE WITH THIS DRAWING. DOORS SHALL SWING THROUGH 130 DEG MINMUM. ENCLOSURE SHALL INCLUDE LIFTING BRACKETS ON THE TOP ADEQUATELY LOCATED AND SIZED TO FACILITATE RIGGING.

3B. THE VFD SHALL HAVE A MINIMUM 65K AMPS INTERRUPTING CAPACITY AND SHORT CIRCUIT CAPACITY WHEN FITTED WITH THE STANDARD MAIN POWER 65K AMP INTERRUPT CAPACITY SHUNT TRIP CIRCUIT BREAKER. THE VFD SHALL HAVE A MINIMUM 100K AMPS INTERRUPTING CAPACITY AND SHORT CIRCUIT CAPACITY WHEN FITTED WITH THE MAIN POWER 100K AMP INTERRUPT CAPACITY SHUNT TRIP CIRCUIT BREAKER OPTION. THE LINE LUGS ON THE BREAKER SHALL ACCOMMODATE AT LEAST THE MINIMUM QUANTITY (# CONDUCTORS) AND SIZE (CONDUCTOR RANGE) CABLES PER PHASE AS FOLLOWS:

VFD FRAME.	STANDARD 65KAIC LUG CAPACITY (PER PHASE)		OPTIONAL 100KAIC LUG CAPACITY (PER PHASE)	
	# CONDUCTORS	CONDUCTOR RANGE	# CONDUCTORS	CONDUCTOR RANGE
4AA	4	500-1000MCM	4	500-1000MCM
4CC	4	500-1000MCM	4	500-1000MCM

3C. A DOUBLE HOLE COMPRESSION LUG CAPABLE OF ACCEPTING [(2) 1-500 MCM] BARE CABLES SHALL BE BONDED TO THE ENCLOSURE. ONE HOLE IN THE DOUBLE HOLE GROUND LUG SHALL BE FOR BONDING TO EARTH BY THE FIELD INSTALLING ELECTRICIAN.

3D. A 15 AMP MINMUM CONTROL, OIL HEATER AND OIL PUMP CIRCUIT BREAKER WIRED FROM THE LINE SIDE OF THE MAIN CIRCUIT BREAKER TO THE PRIMARY OF THE CONTROL TRANSFORMER. INTERRUPTING CAPACITY SHALL BE EQUAL TO OR GREATER THAN THE INTERRUPTING CAPACITY OF THE MAIN POWER CIRCUIT BREAKER.

3E. A 3.0 KVA MINIMUM CONTROL POWER TRANSFORMER WITH THE PRIMARY WIRED FROM THE CONTROL CIRCUIT BREAKER. THE SECONDARY SHALL BE TERMINATED IN ACCORDANCE WITH THIS DRAWING.

3F. CABLE ASSEMBLIES FOR COMMUNICATION, HIGH PRESSURE SWITCH, AND INTERLOCK SHALL BE CONNECTED AND TERMINATED IN ACCORDANCE WITH THIS DRAWING.

4. PROVISIONS SHALL BE MADE FOR ANY OR ALL OPTIONS AS FOLLOWS:

4A. 3 PHASE VOLTS/AMPS ANALOG METER PACKAGE.

4B. 100K AMP INTERRUPT CAPACITY CIRCUIT BREAKER WITH SHUNT TRIP.

4C. CE CONFORMITY AND MARKING.

5. DRIVE CONFIGURATION PARAMETERS (SOFTWARE SETTINGS) SHALL BE PER CARRIER ENGINEERING REQUIREMENT Z-420.

GENERAL SPECIFICATIONS:

A. ALL SHEET METAL ENCLOSURE CABINET PARTS TO BE FREE OF DIRT, OIL, GREASE AND FOREIGN MATERIALS PRIOR TO PAINTING.

B. PAINT ALL ENCLOSURE SURFACES WITH GRAY POWDER COATING: CARRIER MATERIAL SPECIFICATION PK155 OR FEDERAL STANDARD 595a COLOR NUMBER 26231 ENAMEL TOP COAT.

C. APPLY ONE COAT OF PAINT TO ALL SURFACES TO A MINIMUM DRY FILM THICKNESS OF 1.0 TO 1.25 MILS. FULL COVERAGE IS REQUIRED ON ALL SURFACES.

D. THE FOLLOWING INFORMATION SHALL BE VISIBLE FROM THE OUTSIDE OF THE PACKAGING:

A. CARRIER PART NUMBER.

E. VFD AND SEPARATELY SHIPPED OPTIONS MUST BE ADEQUATELY PACKAGED TO PROTECT THEM FROM DAMAGE, DIRT AND MOISTURE.

F. VFD AND OPTION PARTS MUST BE FREE OF DIRT, MOISTURE AND MANUFACTURING DEBRIS.

G. EACH VFD MUST BE PERMANENTLY MARKED WITH THE CARRIER PART NUMBER AND AN ACCEPTABLE SERIAL NUMBER AND DATE CODE THAT PROVIDES A MINIMUM OF MONTH AND YEAR OF MANUFACTURE. LOCATE MARKING VISIBLE FROM THE INSIDE OF PACKAGING.

H. ASSEMBLE SOLDERLESS WIRE TERMINATIONS PER CARRIER ENGINEERING REQUIREMENT B-033.

I. EACH VFD SHALL BEAR UL AND CSA LABELS OR A cUL LABEL. A VFD WITH THE CE OPTION SHALL ALSO BEAR THE CE MARKING.

J. FACE OF BRAZE CONNECTOR (DF34CA019) & BRAZE SLEEVE (DF02CA025) SHALL BE PARALLEL WITH BACK OF ENCLOSURE WITHIN 2 DEGREES IN ALL DIRECTIONS.

K. REFRIGERANT CONTAINING COMPONENTS SHALL BE LEAK TIGHT PER CARRIER ENGINEERING REQUIREMENT A-116.

L. NO MOUNTING BOLTS OR OTHER FASTNERS MAY EXTEND BELOW THE BOTTOM OF MOUNTING RAILS

M. RS-485 COMM BOARD ASSY, TO BE PROGRAMMED WITH CARRIER SOFTWARE CESR131378-XX.

N. TB1-19/20 JUMPER WIRE SHALL BE INSTALLED ON THE 'CUSTOMER SIDE' OF THE TERMINAL BLOCK.

O. GATEWAY COMMUNICATION MODULE SHALL HAVE A LABEL WHICH IDENTIFIES THE SOFTWARE VERSION NUMBER.

P. EDGE GUARD TO BE ATTACHED TO ALL METAL EDGES WHERE WIRES PASS THROUGH.

REV	REVISION RECORD	DATE	BY	CHK'D	APP'D	NPCA NO.
4.0	ADDED 4AA OPTION	01/25/08	HeCY	WangL	JinL	197575GA
3.0	IN GENERAL SPECIFICATIONS, "COMM" IN NOTE "M" WAS "COM"	12/12/06	PK-H	-	CBH	195307DJ

DRAWING RELEASE LEVEL: **PRODUCTION**

THIRD ANGLE PROJECTION

MATERIAL: SEE BILL OF MATERIAL -

ENGINEERING REQUIREMENTS: -

WEIGHT: -

SURFACE FINISH: - MFG/PURCH: -

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON:

1 DEC	2 DEC	3 DEC	ANG
±-	±.12	±-	±-°

AUTHORIZATION NUMBER: 197575GA

ENGINEERING	MANUFACTURING
JinL 01/25/08	ShiJC01/25/08

DRAFTER	CHECKER
HeCY 01/25/08	WangL01/25/08

CAD MODEL (INTERNAL USE ONLY): MODEL NAME 4.0

Carrier
A United Technologies Company

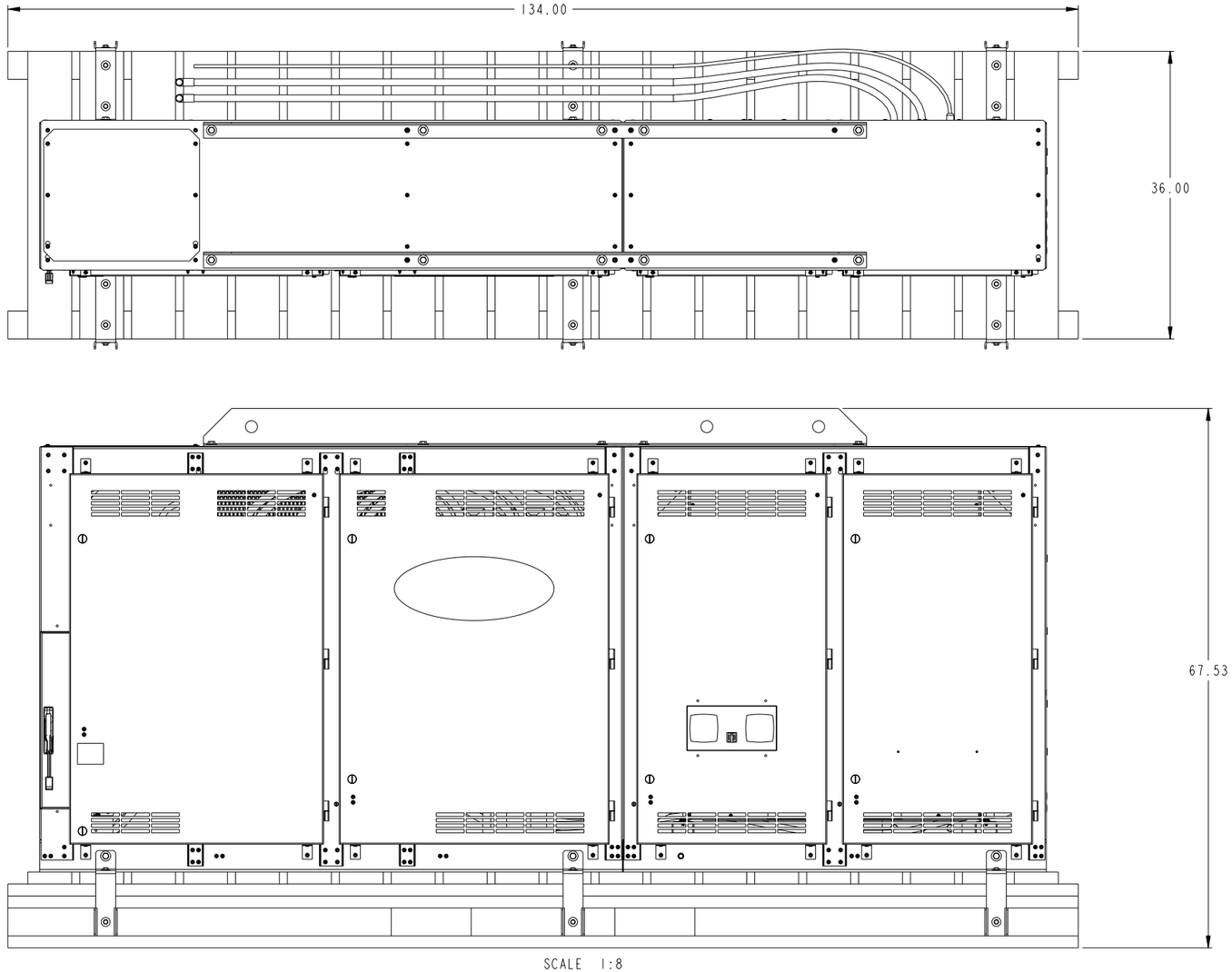
TITLE: VFD ASY
19XR LF-2 4AA & 4CC

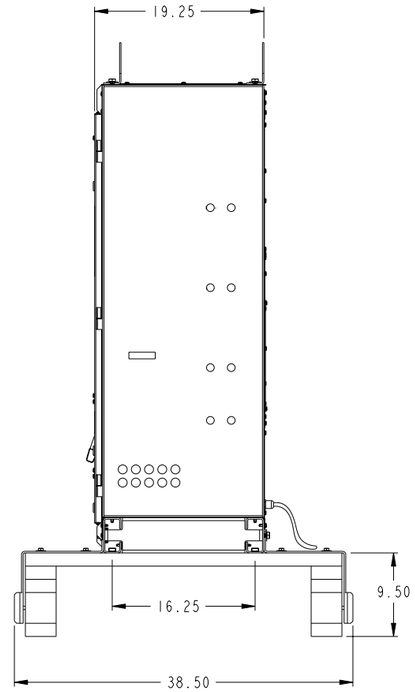
SIZE	DRAWING NUMBER	REV
D	19XV04006501 SHEET 2 OF 10	4.0

NEXT DRAWING	SCALE	DISTRIBUTION
-	N/A	-

UNCONTROLLED WHEN PRINTED

OVERLAY: 19XV04006501_4CC_W_SHIP





SCALE 1:8

SHIPPING DIMENSIONS

4AA & 4CC VFD ASSEMBLY

REV	REVISION RECORD	DATE	BY	CHK'D	APP'D	NPCA NO.
4.0	ADDED 4AA OPTION	01/25/08	HeCY	WangL	JinL	197575GA
3.0	DIM. 3.12 IS DELETED; HANDLE HAS BEEN LOWERED PICTORIALLY.	12/12/06	PK-H	-	CBH	195307DJ

DRAWING RELEASE LEVEL: **PRODUCTION**

THIRD ANGLE PROJECTION

MATERIAL: SEE BILL OF MATERIAL -

ENGINEERING REQUIREMENTS: -

WEIGHT: -

SURFACE FINISH: - MFG/PURCH: -

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON:
1 DEC ± - | 2 DEC ± .12 | 3 DEC ± - | ANG ± -°

AUTHORIZATION NUMBER: 197575GA

ENGINEERING	MANUFACTURING
JinL 01/25/08	ShiJC01/25/08
DRAFTER	CHECKER
HeCY 01/25/08	WangL01/25/08

CAD MODEL (INTERNAL USE ONLY): MODEL NAME 4.0

Carrier
A United Technologies Company

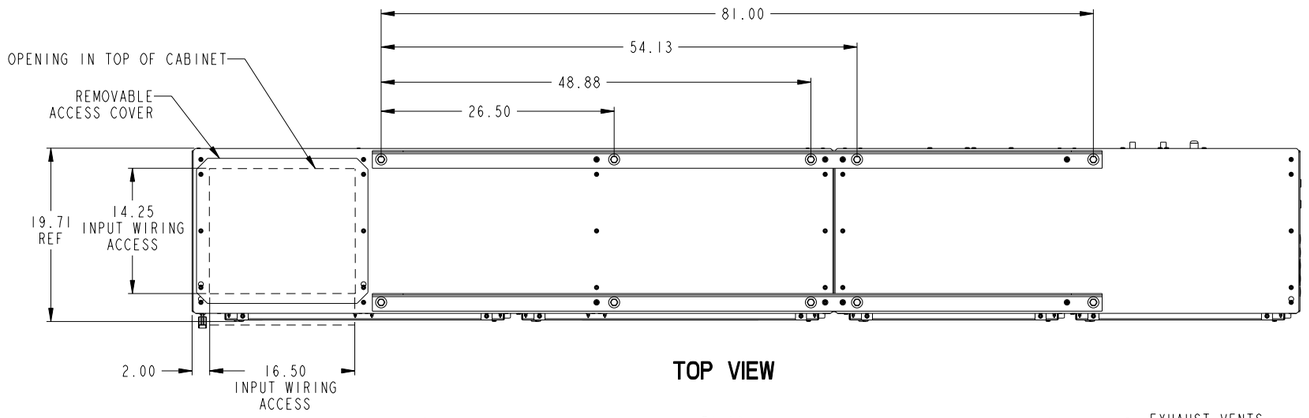
TITLE: VFD ASY
19XR LF-2 4AA & 4CC

SIZE	DRAWING NUMBER	REV
D	19XV04006501 SHEET 3 OF 10	4.0

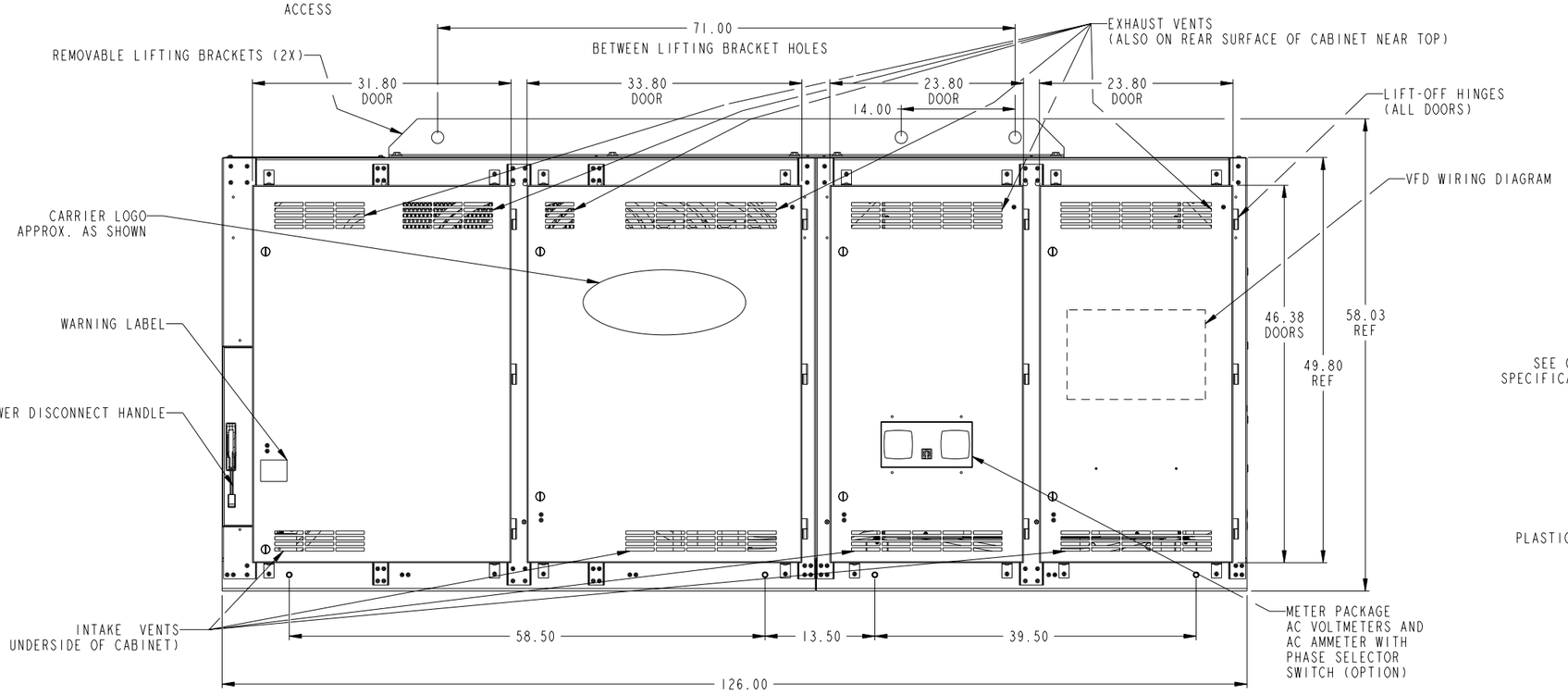
NEXT DRAWING	SCALE	DISTRIBUTION
-	N/A	-

UNCONTROLLED WHEN PRINTED

OVERLAY: I9XV04006501_4CC_CABINET_FRONT

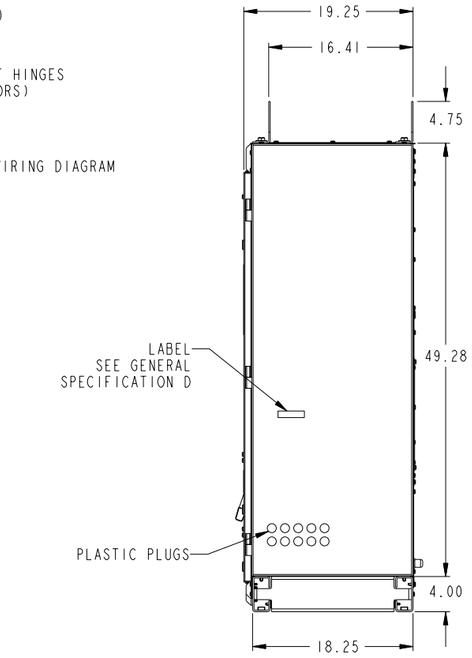


TOP VIEW



FRONT VIEW

SCALE 1:8



4AA & 4CC VFD ASSEMBLY

REV	REVISION RECORD	DATE	BY	CHK'D	APP'D	NPCA NO.
4.0	ADDED 4AA OPTION	01/25/08	HeCY	WangL	JinL	197575GA
3.0	DIM. 3.12 IS DELETED; HANDLE HAS BEEN LOWERED PICTORIALLY.	12/12/06	PK-H	-	CBH	195307DJ

DRAWING RELEASE LEVEL: **PRODUCTION**

THIRD ANGLE PROJECTION

MATERIAL: SEE BILL OF MATERIAL -

ENGINEERING REQUIREMENTS: -

WEIGHT: -

SURFACE FINISH: - | MFG/PURCH: -

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON:

1 DEC	2 DEC	3 DEC	ANG
± -	± .12	± -	± -°

AUTHORIZATION NUMBER: 197575GA

ENGINEERING	MANUFACTURING
JinL 01/25/08	ShiJC01/25/08
DRAFTER	CHECKER
HeCY 01/25/08	WangL01/25/08

CAD MODEL (INTERNAL USE ONLY): MODEL NAME 4.0

Carrier
A United Technologies Company

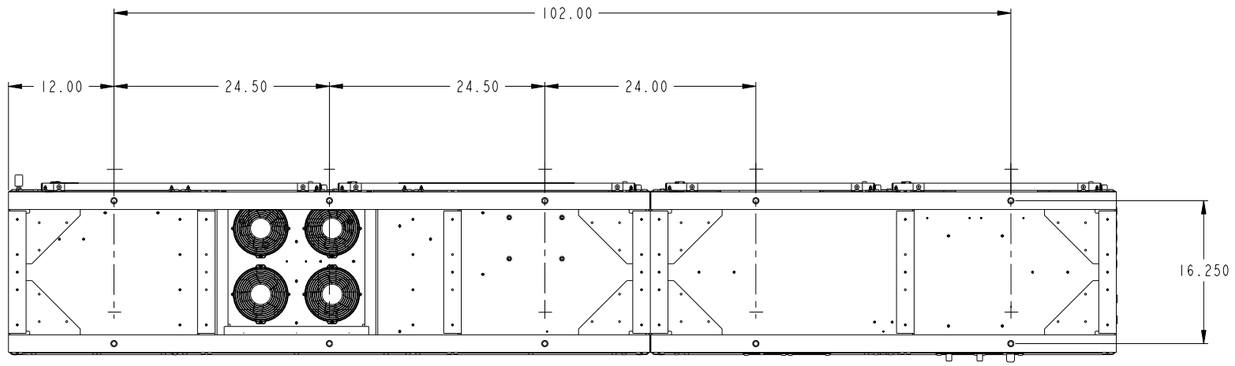
TITLE: VFD ASY
19XR LF-2 4AA & 4CC

SIZE	DRAWING NUMBER	REV
D	19XV04006501 SHEET 4 OF 10	4.0

NEXT DRAWING	SCALE	DISTRIBUTION
-	N/A	-

UNCONTROLLED WHEN PRINTED

OVERLAY: 19XV04006501_4CC_BOTTOM_VIEW



VIEW X-X

(FROM SHEET #16)

4AA & 4CC VFD ASSEMBLY

REV	REVISION RECORD	DATE	BY	CHK'D	APP'D	NPCA NO.
4.0	ADDED 4AA OPTION	01/25/08	HeCY	WangL	JinL	197575GA
3.0	DIM. 3.12 IS DELETED; HANDLE HAS BEEN LOWERED PICTORIALLY.	12/12/06	PK-H	-	CBH	195307DJ

DRAWING RELEASE LEVEL: **PRODUCTION**

THIRD ANGLE PROJECTION

MATERIAL: SEE BILL OF MATERIAL -

ENGINEERING REQUIREMENTS: -

WEIGHT: -

SURFACE FINISH: - | MFG/PURCH: -

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON:

1 DEC	2 DEC	3 DEC	ANG
± -	± .12	± -	± -°

AUTHORIZATION NUMBER: 197575GA

ENGINEERING	MANUFACTURING
JinL 01/25/08	ShiJC01/25/08
DRAFTER	CHECKER
HeCY 01/25/08	WangL01/25/08

CAD MODEL (INTERNAL USE ONLY): MODEL NAME 4.0

Carrier
A United Technologies Company

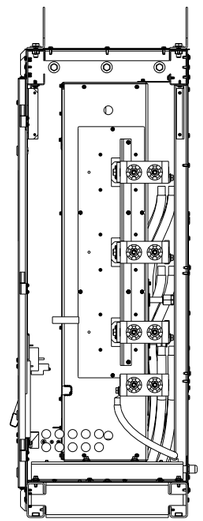
TITLE: VFD ASY
19XR LF-2 4AA & 4CC

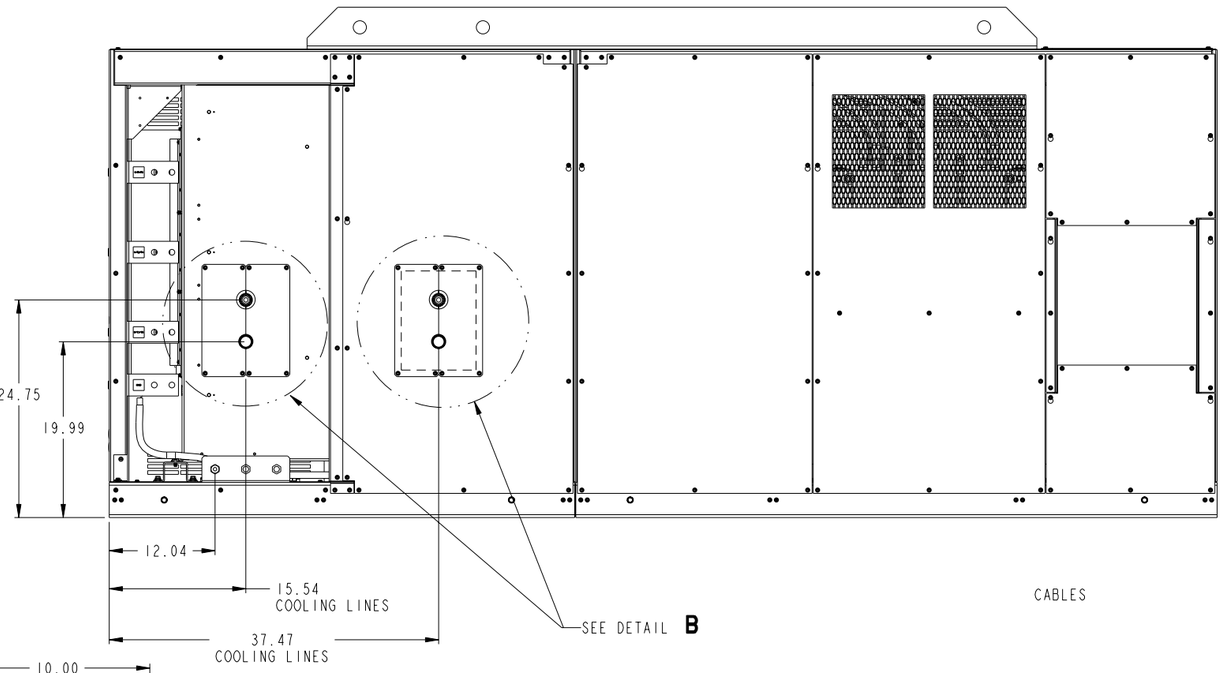
SIZE	DRAWING NUMBER	REV
D	19XV04006501 SHEET 5 OF 10	4.0

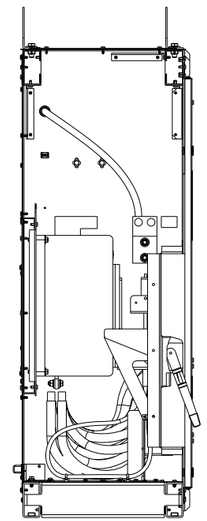
NEXT DRAWING	SCALE	DISTRIBUTION
-	N/A	-

UNCONTROLLED WHEN PRINTED

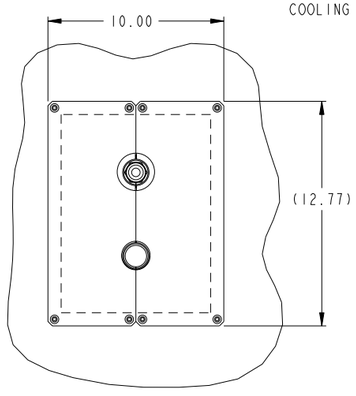
OVERLAY: 19XV04006501_4CC_WO_SIDEPANEL







CABLES



DETAIL B
REFRIGERANT ACCESS PANEL OPENING
SCALE 1:4

4AA & 4CC VFD ASSEMBLY

REV	REVISION RECORD	DATE	BY	CHK'D	APP'D	NPCA NO.
4.0	ADDED 4AA OPTION	01/25/08	HeCY	WangL	JinL	197575GA
3.0	DIM. 3.12 IS DELETED; HANDLE HAS BEEN LOWERED PICTORIALLY.	12/12/06	PK-H	-	CBH	195307DJ

DRAWING RELEASE LEVEL: **PRODUCTION**

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON:

1 DEC	2 DEC	3 DEC	ANG
± -	± .12	± -	± - °

MATERIAL: SEE BILL OF MATERIAL -

AUTHORIZATION NUMBER: 197575GA

ENGINEERING	MANUFACTURING
JinL 01/25/08	ShiJC01/25/08

ENGINEERING REQUIREMENTS: -

DRAFTER	CHECKER
HeCY 01/25/08	WangL01/25/08

WEIGHT: -

SURFACE FINISH	MFG/PURCH
-	-

CAD MODEL (INTERNAL USE ONLY): MODEL NAME 4.0

Carrier
A United Technologies Company

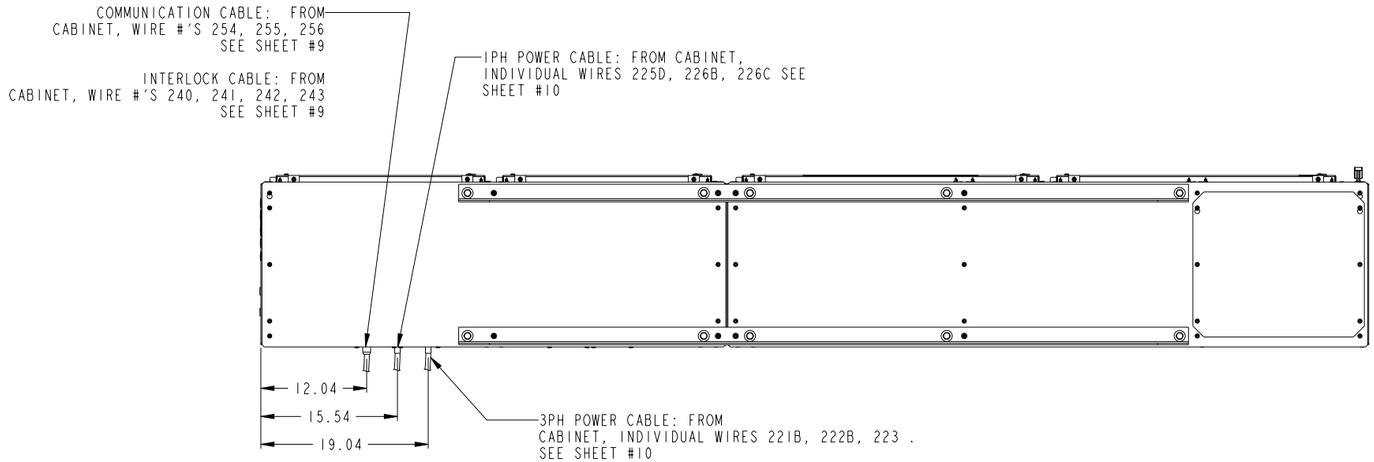
TITLE: VFD ASY
19XR LF-2 4AA & 4CC

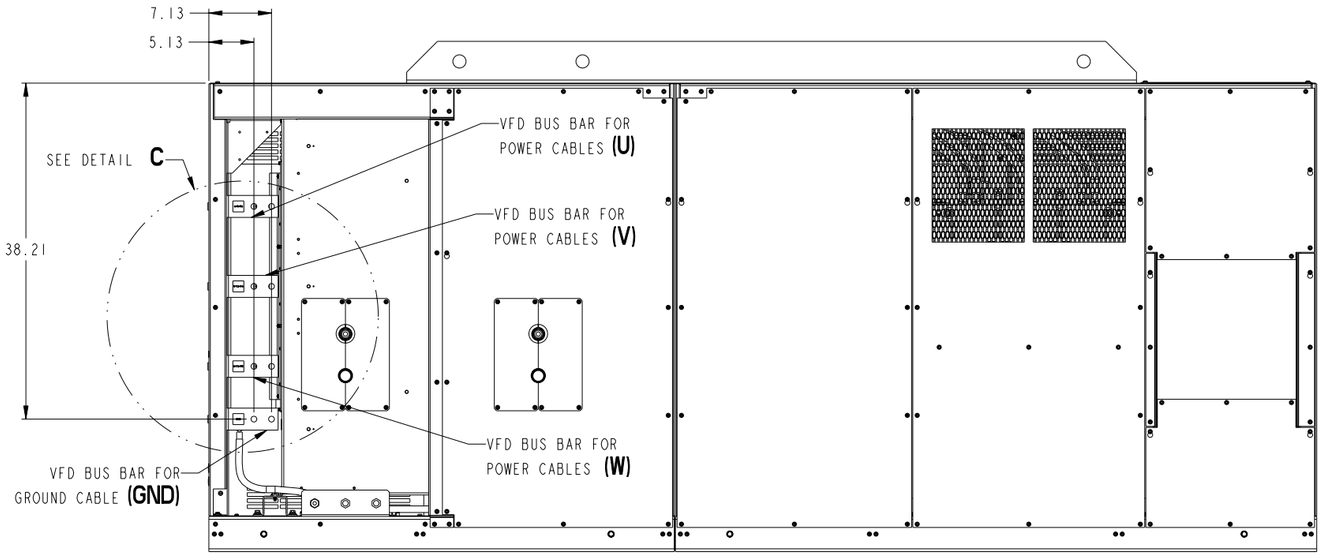
SIZE	DRAWING NUMBER	REV
D	19XV04006501 SHEET 6 OF 10	4.0

NEXT DRAWING	SCALE	DISTRIBUTION
-	N/A	-

UNCONTROLLED WHEN PRINTED

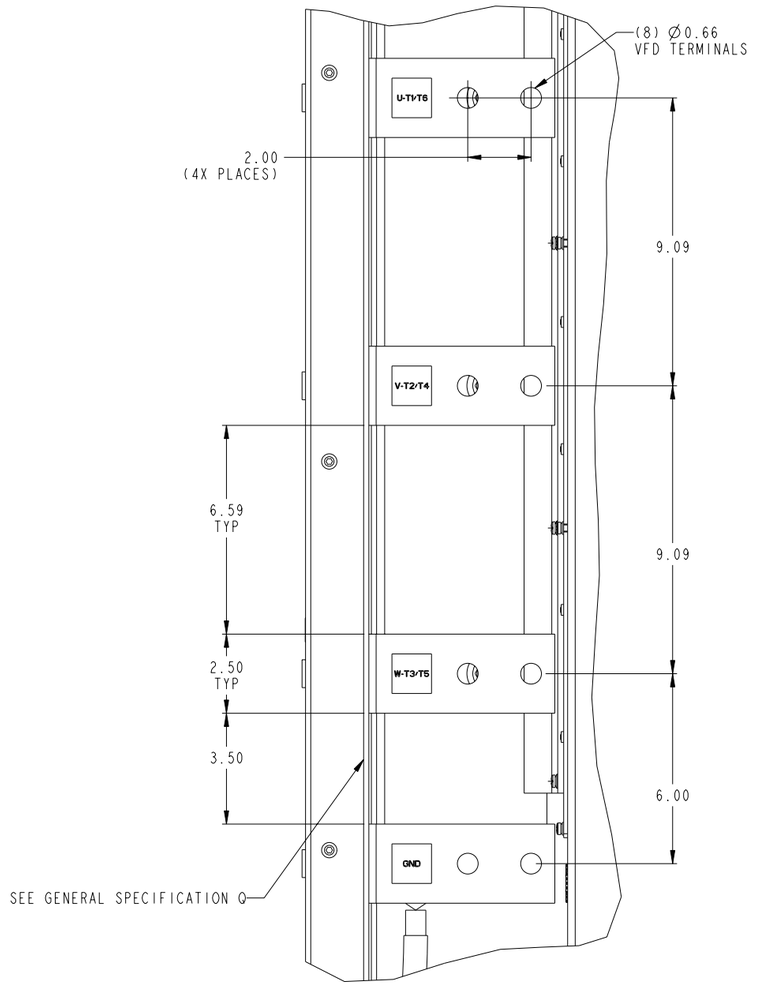
OVERLAY: 19XV04006501_4CC_BACK_VIEW





SCALE 1:8

BUS BAR CONSTRUCTION DETAIL



DETAIL C
SCALE 9:20
BUS BAR CONSTRUCTION DETAILS

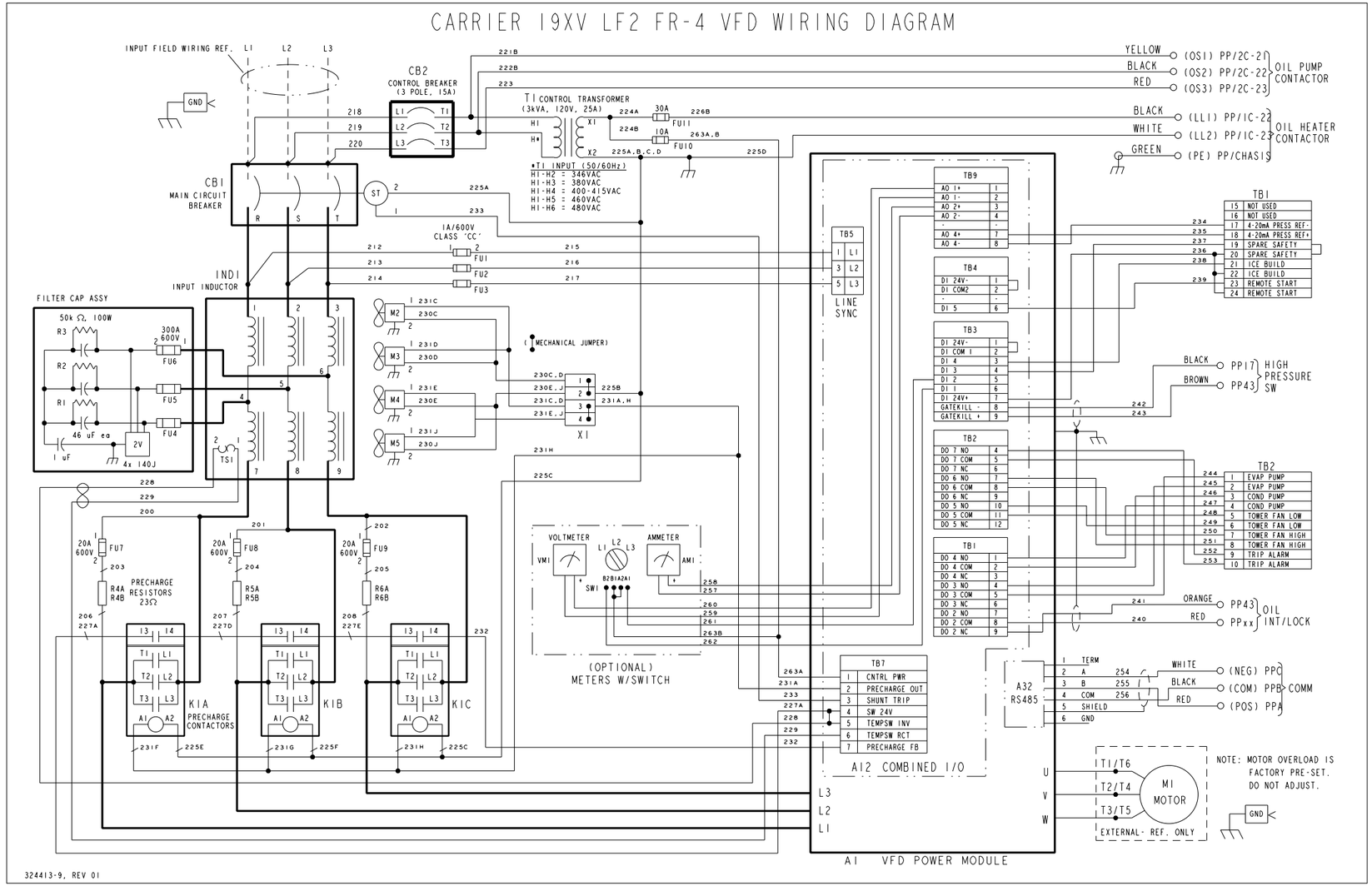
4AA & 4CC VFD ASSEMBLY

REV	REVISION RECORD	DATE	BY	CHK'D	APP'D	NPCA NO.
4.0	ADDED 4AA OPTION	01/25/08	HeCY	WangL	JinL	197575GA
3.0	DIM. 3.12 IS DELETED; HANDLE HAS BEEN LOWERED PICTORIALLY.	12/12/06	PK-H	-	CBH	195307DJ

DRAWING RELEASE LEVEL:	PRODUCTION	Carrier — A United Technologies Company	
THIRD ANGLE PROJECTION	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: 1 DEC ±- 2 DEC ±.12 3 DEC ±- ANG ±-°	THIS DOCUMENT AND THE INFORMATION CONTAINED THEREIN IS PROPRIETARY TO CARRIER CORPORATION AND SHALL NOT BE USED OR DISCLOSED TO OTHERS, IN WHOLE OR IN PART, WITHOUT THE WRITTEN AUTHORIZATION OF CARRIER CORPORATION.	
MATERIAL: SEE BILL OF MATERIAL -	AUTHORIZATION NUMBER: 197575GA	TITLE: VFD ASY 19XR LF-2 4AA & 4CC	
ENGINEERING REQUIREMENTS: -	ENGINEERING: JinL 01/25/08	MANUFACTURING: ShiJC01/25/08	SIZE: D
WEIGHT: -	DRAFTER: HeCY 01/25/08	CHECKER: WangL01/25/08	DRAWING NUMBER: 19XV04006501 SHEET 7 OF 10
SURFACE FINISH: -	MFG/PURCH: -	CAD MODEL (INTERNAL USE ONLY): MODEL NAME 4.0	REV: 4.0
NEXT DRAWING: -	SCALE: N/A	DISTRIBUTION: -	

UNCONTROLLED WHEN PRINTED

CARRIER 19XV LF2 FR-4 VFD WIRING DIAGRAM



324413-9, REV 01

4AA & 4CC VFD ASSEMBLY

REV	REVISION RECORD	DATE	BY	CHK'D	APP'D	NPCA NO.
4.0	ADDED 4AA OPTION	01/25/08	HeCY	WangL	JinL	197575GA
3.0	DIM. 3.12 IS DELETED; HANDLE HAS BEEN LOWERED PICTORIALLY.	12/12/06	PK-H	-	CBH	195307DJ

DRAWING RELEASE LEVEL: **PRODUCTION**

THIRD ANGLE PROJECTION

MATERIAL: SEE BILL OF MATERIAL -

ENGINEERING REQUIREMENTS: -

WEIGHT: -

SURFACE FINISH: - MFG/PURCH: -

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON:
1 DEC ±- 2 DEC ±.12 3 DEC ±- ANG ±-°

AUTHORIZATION NUMBER: 197575GA

ENGINEERING	MANUFACTURING
JinL 01/25/08	ShiJC01/25/08
DRAFTER	CHECKER
HeCY 01/25/08	WangL01/25/08

CAD MODEL (INTERNAL USE ONLY): MODEL NAME 4.0

Carrier
A United Technologies Company

TITLE: VFD ASY
19XR LF-2 4AA & 4CC

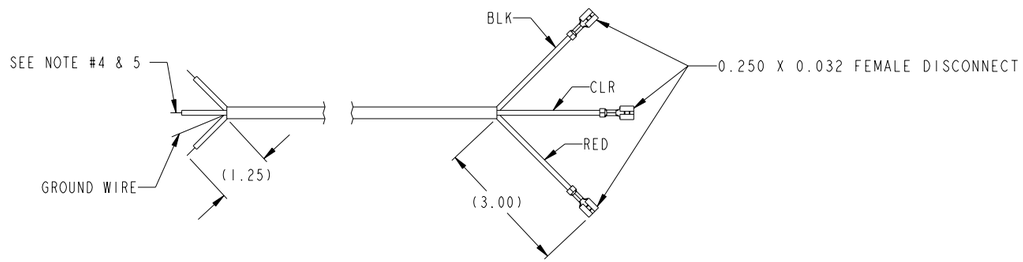
SIZE	DRAWING NUMBER	REV
D	19XV04006501 SHEET 8 OF 10	4.0

NEXT DRAWING	SCALE	DISTRIBUTION
-	N/A	-

UNCONTROLLED WHEN PRINTED

NOTES:

1. CABLE TO BE (3) CONDUCTOR, #18 AWG STRANDED COPPER, FOIL SHIELDED WITH DRAIN WIRE, RATED AT 300V, 60°C WITH U.L. & CSA LABELING. WIRES COLOR CODED AS INDICATED.
2. REMOVE CABLE JACKET AND FOIL SHIELDING BACK TO DIMENSIONS SHOWN ON BOTH ENDS.
3. CUT OFF GROUND WIRE (BARE) AT CABLE JACKET ON THIS END ONLY.
4. STRIP INDIVIDUAL WIRE ENDS TO A MINIMUM LENGTH OF 0.31 AND A MAXIMUM LENGTH OF 0.38
5. SEE ENGINEERING REQUIREMENT B-033 FOR SOLDERLESS WIRE TERMINATIONS.

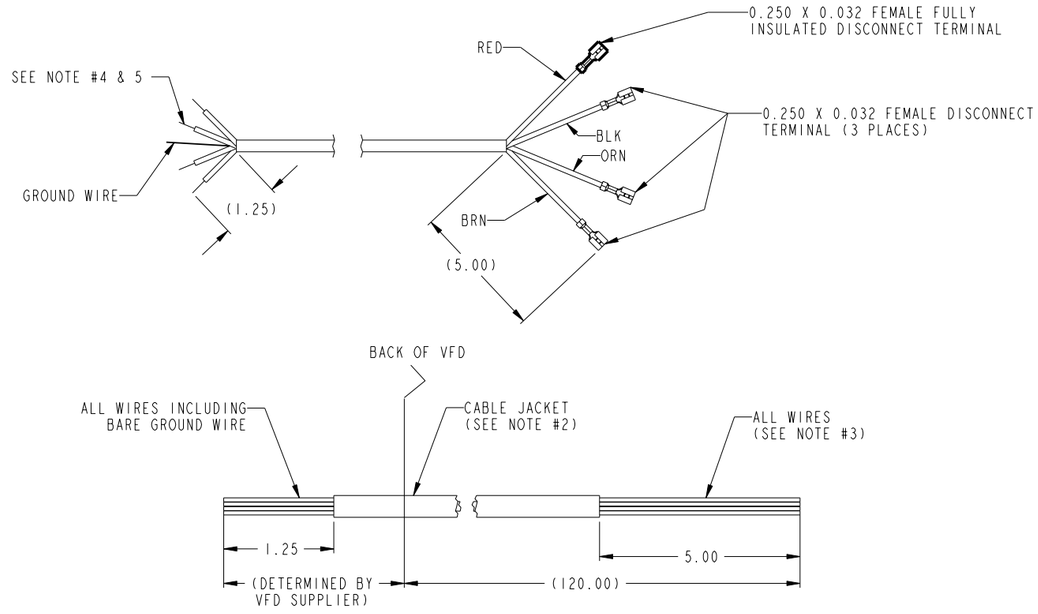


CABLE PREPARATION
PRIOR TO ASSEMBLY

19XV04006001
COMMUNICATION CABLE ASSEMBLY

NOTES:

1. CABLE TO BE (4) CONDUCTOR, #18 AWG STRANDED COPPER, FOIL SHIELDED WITH DRAIN WIRE, RATED AT 300V, 80°C WITH U.L. & CSA LABELING. WIRES COLOR CODED AS INDICATED.
2. REMOVE CABLE JACKET AND FOIL SHIELDING BACK TO DIMENSIONS SHOWN ON BOTH ENDS.
3. CUT OFF GROUND WIRE (BARE) AT CABLE JACKET ON THIS END ONLY.
4. STRIP INDIVIDUAL WIRE ENDS TO A MINIMUM LENGTH OF 0.31 AND A MAXIMUM LENGTH OF 0.38
5. SEE ENGINEERING REQUIREMENT B-033 FOR SOLDERLESS WIRE TERMINATIONS.



CABLE PREPARATION
PRIOR TO ASSEMBLY

19XV04006101
INTERLOCK CABLE ASSEMBLY

4AA & 4CC VFD ASSEMBLY

REV	REVISION RECORD	DATE	BY	CHK'D	APP'D	NPCA NO.
4.0	ADDED 4AA OPTION	01/25/08	HeCY	WangL	JinL	197575GA
3.0	DIM. 3.12 IS DELETED; HANDLE HAS BEEN LOWERED PICTORIALLY.	12/12/06	PK-H	-	CBH	195307DJ

DRAWING RELEASE LEVEL: **PRODUCTION**

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON:

1 DEC	2 DEC	3 DEC	ANG
± -	± .12	± -	± - °

MATERIAL: SEE BILL OF MATERIAL -

ENGINEERING REQUIREMENTS: -

WEIGHT: -

SURFACE FINISH: - MFG/PURCH: -

AUTHORIZATION NUMBER: 197575GA

ENGINEERING	MANUFACTURING
JinL 01/25/08	ShiJC01/25/08
DRAFTER	CHECKER
HeCY 01/25/08	WangL01/25/08

CAD MODEL (INTERNAL USE ONLY): MODEL NAME 4.0

Carrier
A United Technologies Company

TITLE: VFD ASY
19XR LF-2 4AA & 4CC

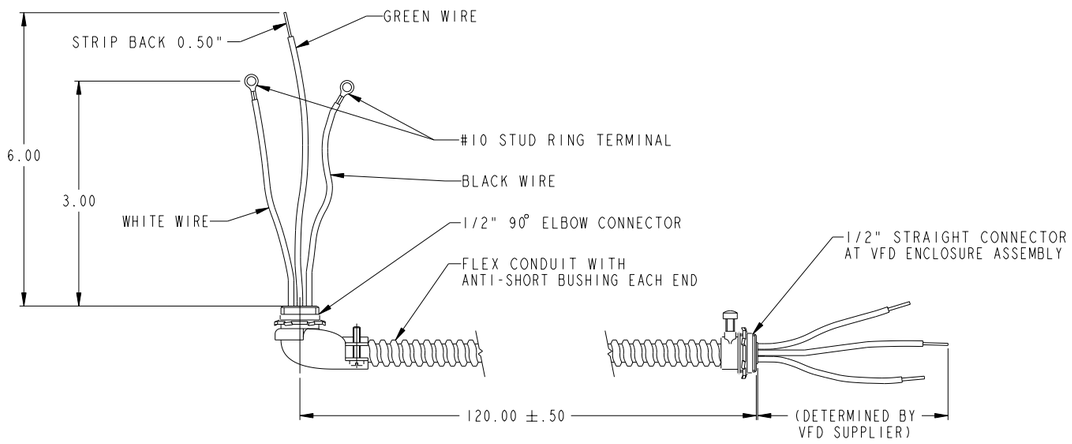
SIZE	DRAWING NUMBER	REV
D	19XV04006501 SHEET 9 OF 10	4.0

NEXT DRAWING	SCALE	DISTRIBUTION
-	N/A	-

UNCONTROLLED WHEN PRINTED

NOTE:

POWER WIRES TO BE #10 AWG, GROUND WIRE TO BE #12 AWG MIN. ALL WIRES TO BE STRANDED COPPER, RATED AT 600V, 105°C WITH U.L. & CSA LABELING. FREE LENGTH OF WIRES AT 90° CONNECTOR END TO BE 3.00" FOR BLACK & WHITE WIRES AND 6.00" FOR THE GREEN WIRE.

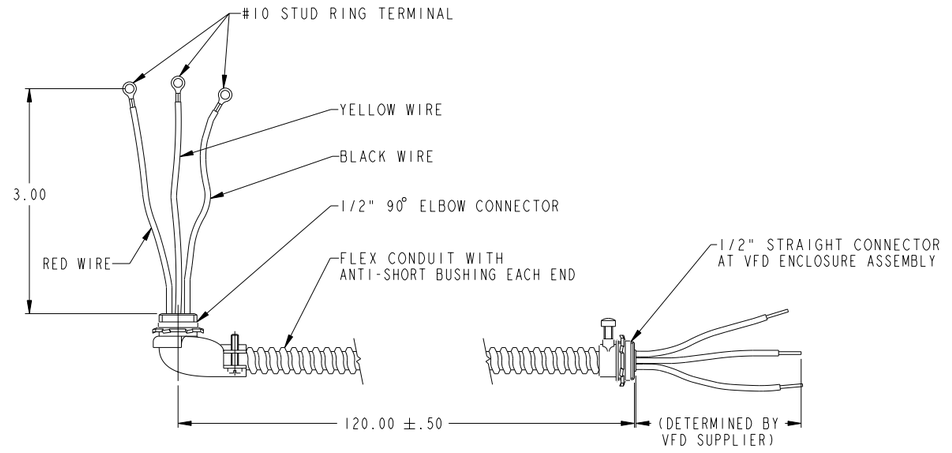


19XV04006201

115 - 1- 50/60 POWER CABLE ASSEMBLY

NOTE:

WIRES TO BE #14 AWG STRANDED COPPER, RATED AT 600V, 105 °C WITH U.L. & CSA LABELING.



19XV04006301

LINE VAC - 3 - 50/60 POWER CABLE ASSEMBLY

4AA & 4CC VFD ASSEMBLY

REV	REVISION RECORD	DATE	BY	CHK'D	APP'D	NPCA NO.
4.0	ADDED 4AA OPTION	01/25/08	HeCY	WangL	JinL	197575GA
3.0	DIM. 3.12 IS DELETED; HANDLE HAS BEEN LOWERED PICTORIALLY.	12/12/06	PK-H	-	CBH	195307DJ

DRAWING RELEASE LEVEL: **PRODUCTION**

THIRD ANGLE PROJECTION

MATERIAL: SEE BILL OF MATERIAL -

ENGINEERING REQUIREMENTS: -

WEIGHT: -

SURFACE FINISH: - | MFG/PURCH: -

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON:
1 DEC ±- | 2 DEC ±.12 | 3 DEC ±- | ANG ±-°

AUTHORIZATION NUMBER: 197575GA

ENGINEERING	MANUFACTURING
JinL 01/25/08	ShiJC01/25/08
DRAFTER	CHECKER
HeCY 01/25/08	WangL01/25/08

CAD MODEL (INTERNAL USE ONLY): MODEL NAME 4.0

Carrier
A United Technologies Company

TITLE: VFD ASY
19XR LF-2 4AA & 4CC

SIZE	DRAWING NUMBER	REV
D	19XV04006501 SHEET 10 OF 10	4.0

NEXT DRAWING	SCALE	DISTRIBUTION
-	N/A	-

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