	ACRD200-201 - INROW-RD, FLUID COOLED					
Sheet No.	Component/Detail	Description				
1	Drawing Guide	ACRD200-201, 208-230V, 60Hz Fluid Cooled,				
2	Isometric External View	ACRD200-201, 208-230V, 60Hz Fluid Cooled, Isometric External View				
3	General Arrangement	ACRD200-201, 208-230V, 60Hz Fluid Cooled, General Arrangement				
4	Top and Bottom View	ACRD200-201, 208-230V, 60Hz Fluid Cooled, Top and Bottom View				
5	Anchoring Details	ACRD200-201, 208-230V, 60Hz Fluid Cooled, Anchoring Details				
6-8	Internal View	ACRD200-201, 208-230V, 60Hz Fluid Cooled, Internal View				
9	Piping Diagram	ACRD200-201, 208-230V, 60Hz Fluid Cooled, Piping Diagram				
10	Electrical Piping Data	ACRD200-201, 208-230V, 60Hz Fluid Cooled, Electrical Piping Data				
11	User Interface	ACRD200-201, 208-230V, 60Hz Fluid Cooled, User Interface				
12-13	Control Wiring	ACRD200-201, 208-230V, 60Hz Fluid Cooled, Control Wiring				

LEGEND					
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION		
	SHUT OFF VALVE		P-Trap		
-151-	HEAD PRESSURE CONTROL VALVE		S-Trap		
	PRESSURE RELIEF VALVE		Inverted Trap		
	CHECK VALVE				

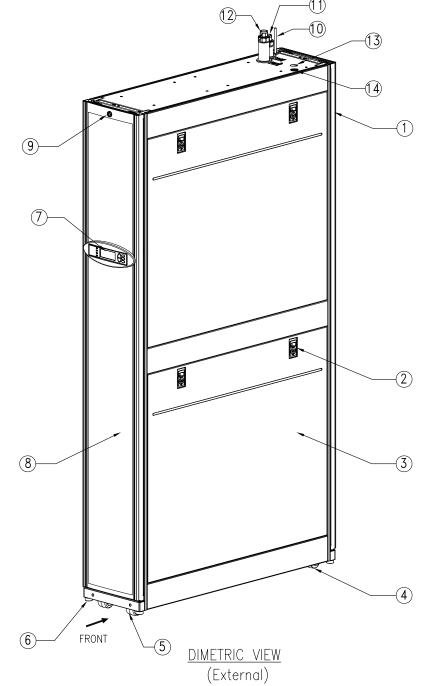
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TITLE:	InRow DIRECT EXPANSION InRow RD, 300mm, FLUID COOLED ACRD200 : 208 - 230V, 60 Hz ACRD201 : 220 - 240V, 50 Hz DRAWING GUIDE	
	DRAWING GOIDE	

InRow DIRECT EXPAN	DWG NO:	ACRD	200)-201	REV. 1	
ACRD200 : 208 - 230\ ACRD201 : 220 - 240\	DRAWN:	SURAJ P/M	CRAVEN	26-FEB-13	ANGLE	
DRAWING GUIDE	ENGINEER	: R GRANTHAN/I	M BROWN	29-MAR-12	PROJECTION:	
PROJECT: DRAWINGS	SHEET 1 OF 13	APPROVE	D: C CUMMISKEY/0	C ZALDIVAR	29-MAR-12	N/A

- REMOVAL REAR DOOR.
- 2 SIDE PANEL LATCH.
- 3 REMOVABLE SIDE PANEL.
- 4 REAR CASTERS (NON-SWIVELING).
- 5 FRONT CASTERS (SWIVELING).
- 6 ADJUSTABLE LEVELING FOOT.
- 7 DISPLAY INTERFACE.
- (8) REMOVABLE FRONT DOOR.
- 9 DOOR LOCK.
- (10) TOP CONDENSATE PUMP DRAIN.
- (11) LIQUID IN (SUPPLY).
- (12) LIQUID OUT (RETURN).
- (13) ELECTRICAL POWER INPUT
- LOW VOLTAGE WIRING INPUT



1.INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL

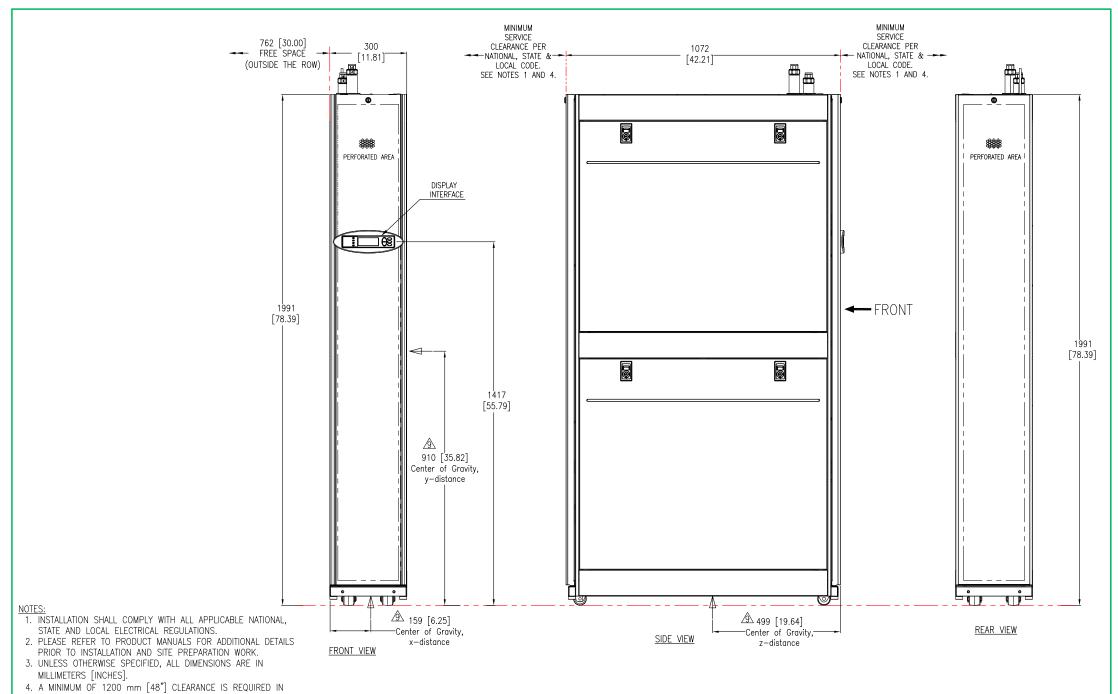
2.PLEASE REFER TO PRODUCT MANUALS FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.

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TITLE:	InRow DIRECT EXPANSION
	InRow RD, 300mm, FLUID COOLED
	ACRD200 : 208 - 230V, 60 Hz
	ACRD201 : 220 - 240V, 50 Hz
	ISOMETRIC EXTERNAL VIEW

DWG NO: ACR[)200	-201	REV.
DRAWN:	SURAJ P	27-JAN-12	ANGL
ENGINEER: R GRANTHAN	/M BROWN	29-MAR-12	PROJECT



FRONT OR REAR OF THE ACRD UNIT IF THE UNIT HAS TO BE REMOVED FROM THE ROW. 5. FRONT AND REAR ACCESS IS REQUIRED FOR SERVICE.

6. MAXIMUM WEIGHT OF UNIT IS 190 kg [419 lb].

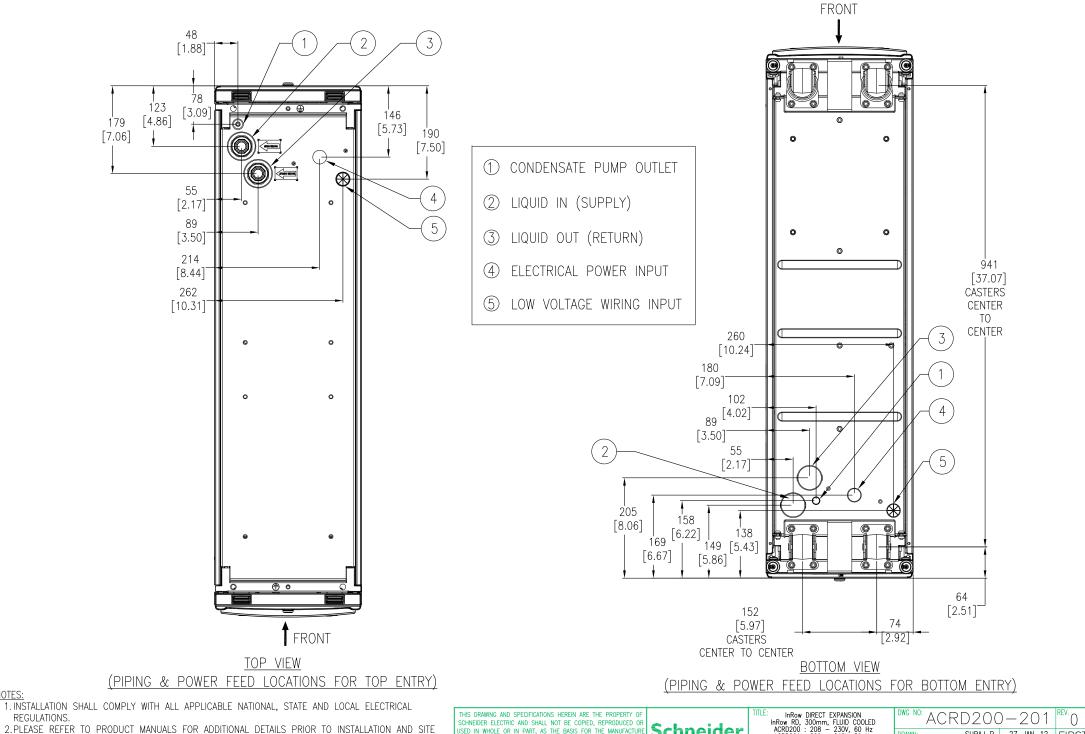
8. FLOOR LOADING: 595kg/meter^2 [122 lb/ft²]. \triangle 9. THIS INFORMATION PROVIDED CONSERVATIVE CENTER OF GRAVITY CALCULATION.

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ILE:	InRow	DIRECT	EXPANS	ION
	InRow RD,	300mm,	FLUID	COOLED
	ACRD200			
	ACRD201	: 220 -	240V,	50 Hz
	GENE	RAL ARRA	angeme	NT

InRow DIRECT EXPANSION InRow RD, 300mm, FLUID COOLED	DWG NO: A	ACRD200)-201	REV.
ACRD200 : 208 - 230V, 60 Hz ACRD201 : 220 - 240V, 50 Hz	DRAWN:	SURAJ P	27-JAN-12	FIRST
GENERAL ARRANGEMENT	ENGINEER: R	GRANTHAN/M BROWN	29-MAR-12	ANGLE
PROJECT: DRAWINGS SHEET 3 0	13 APPROVED:C	CUMMISKEY/C ZALDIVAR	29-MAR-12	PROJECTION



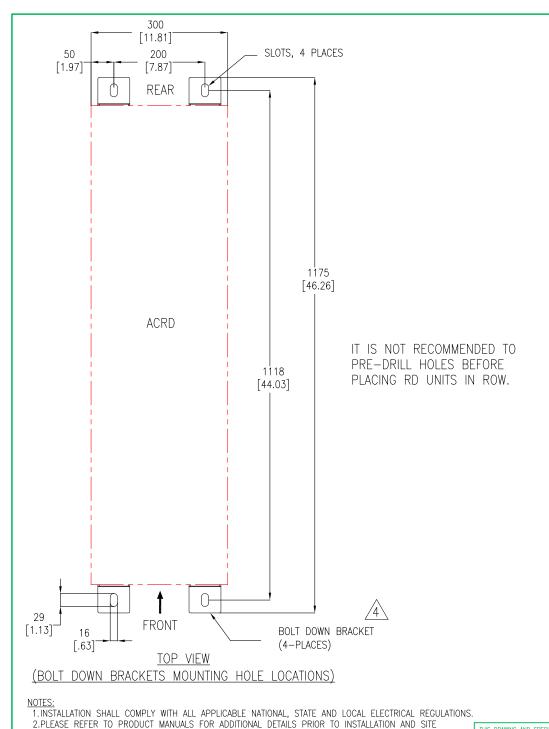
PREPARATION WORK. 3. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS [INCHES]. SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE

Schneider # Electric InRow DIRECT EXPANSION
InRow RD, 300mm, FLUID COOLED
ACRD200 : 208 - 230V, 60 Hz
ACRD201 : 220 - 240V, 50 Hz
TOP VIEW & BOTTOM VIEW

PROJECT: DRAWINGS SHEET 4 OF 13 APPROVED:C CUMMISKEY/C ZALDIVAR

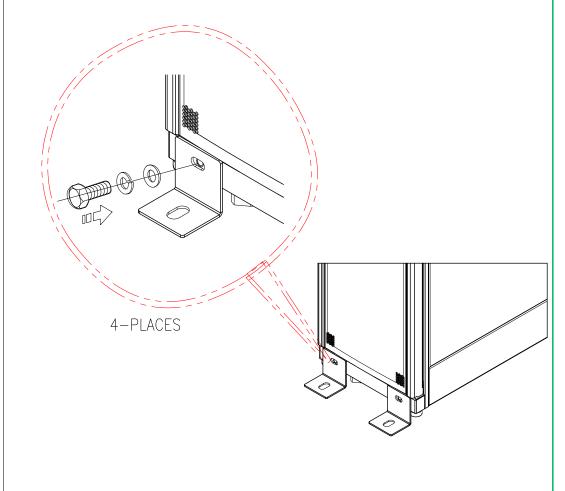
27-JAN-12 FIRS1 29-MAR-12 ANGLE ENGINEER: R GRANTHAN/M BROWN

29-MAR-12 PROJECTION



STABILIZING THE InRow RD:

TO PREVENT THE ENCLOSURE FROM MOVING FROM ITS FINAL LOCATION (IF NOT BAYED TO ANOTHER DEVICE). USE AR7701(BOLT-DOWN KIT) WHICH IS INCLUDED IN THE SHIP LOOSE PARTS KIT). ATTACH THE BRACKETS TO THE UNIT AS SHOWN. USE CODE COMPLIANT FASTENERS TO SECURE THE UNIT TO THE FLOOR.



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Schneider # Electric InRow DIRECT EXPANSION
InRow RD, 300mm, FLUID COOLED
ACRD200 : 208 - 230V, 60 Hz
ACRD201 : 220 - 240V, 50 Hz
ANCHORING DETAILS

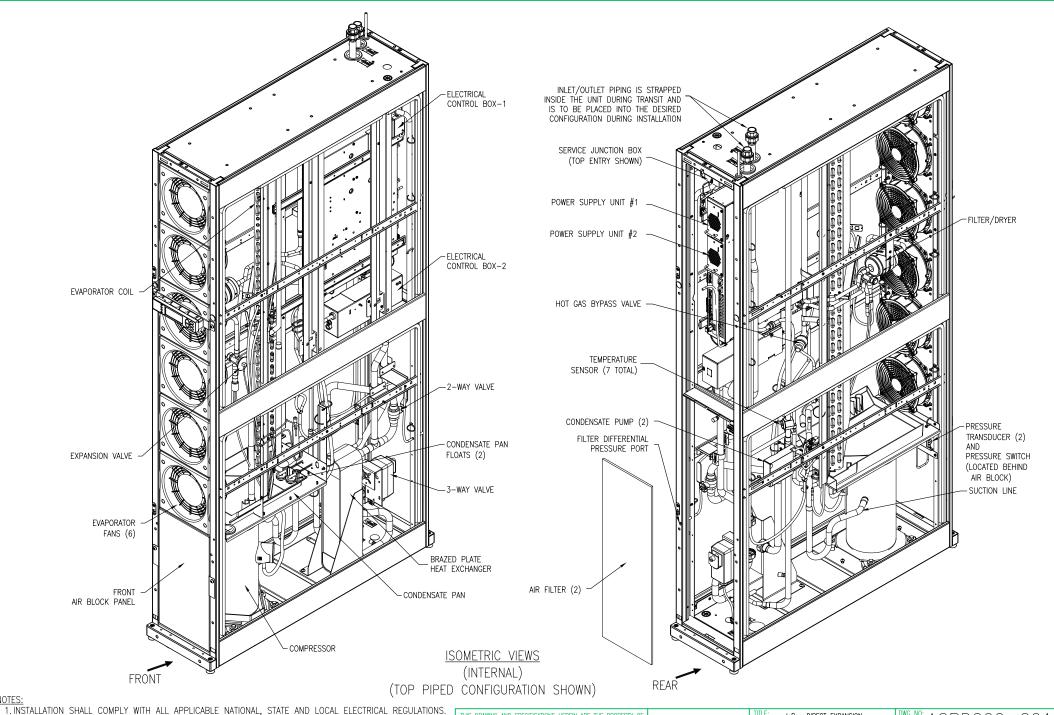
ACRD200-201 27-JAN-12 FIRST DRAWN: 29-MAR-12 ANGLE ENGINEER: R GRANTHAN/M BROWN PROJECT: DRAWINGS SHEET 5 OF 13 APPROVED:C CUMMISKEY/C ZALDIVAR 29-MAR-12 PROJECTION

3.UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].

PREPARATION WORK.

△4.BOLT DOWN KIT (#AR7701) IS OPTIONAL AND HAS TO BE ORDERED SEPARATELY.

5.REFER TO "InfraStruXure InRow-RD SEISMIC INSTALLATION GUIDE" FOR SEISMIC ANCHORING GUIDELINES.



2.PLEASE REFER TO PRODUCT MANUALS FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE

PREPARATION WORK.

3.UNIT IS SHIPPED CONFIGURED FOR TOP ENTRY.

4. SOME MECHANICAL COMPONENTS HAVE BEEN OMITTED FOR PURPOSE OF CLARITY.

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Schneider Electric

HLE:	InRow	DIRECT I	EXPANS	ION	
	InRow RD,				
	ACRD200				
	ACRD201	: 220 -	240V,	50	Hz
	ISOME	TRIC INTE	rnal v	ΊEW	

PROJECT: DRAWINGS SHEET 6 OF 13 APPROVED:C CUMMISKEY/C ZALDIVAR

-20126-SEP-14 ANGLE SURAJ P/S CUNHA 29-MAR-12 PROJECTION ENGINEER: R GRANTHAN/M BROWN

29-MAR-12

TOP PIPING CONFIGURATION 118 DETAIL-B [4.63] (REFER TO [3.30] POWER INPUT 534 ÈNLARGED VIEW) FOR TOP ENTRY [21.02] 201 [7.91] POWER SUPPLY UNIT-1 POWER SUPPLY UNIT-2 302 OUTDOOR [11.88] HEAT EXCHANGER (OHE) PORTS CONFIGURATION ı RS-232 PORT FORM C AND SHUTDOWN INPUT CONTROL RS-485 PORT 30 • [1.18] BUILDING MANAGEMENT SYSTEM(BMS) FRONT ---RS-485 PORT **←**FRONT NETWORK PORT RESET BUTTON A-LINK PORTS DETECTOR DETAIL-B PORT REMOTE -TEMPERATURE SENSOR PORT SIDE VIEW REAR VIEW SIDE VIEW

NOTES:

1.INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL REGULATIONS.
2.PLEASE REFER TO PRODUCT MANUALS FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE

(REAR DOOR, FILTERS &

PIPING INSULATION REMOVED)

- PREPARATION WORK
- 3. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].

(SIDE PANELS REMOVED)

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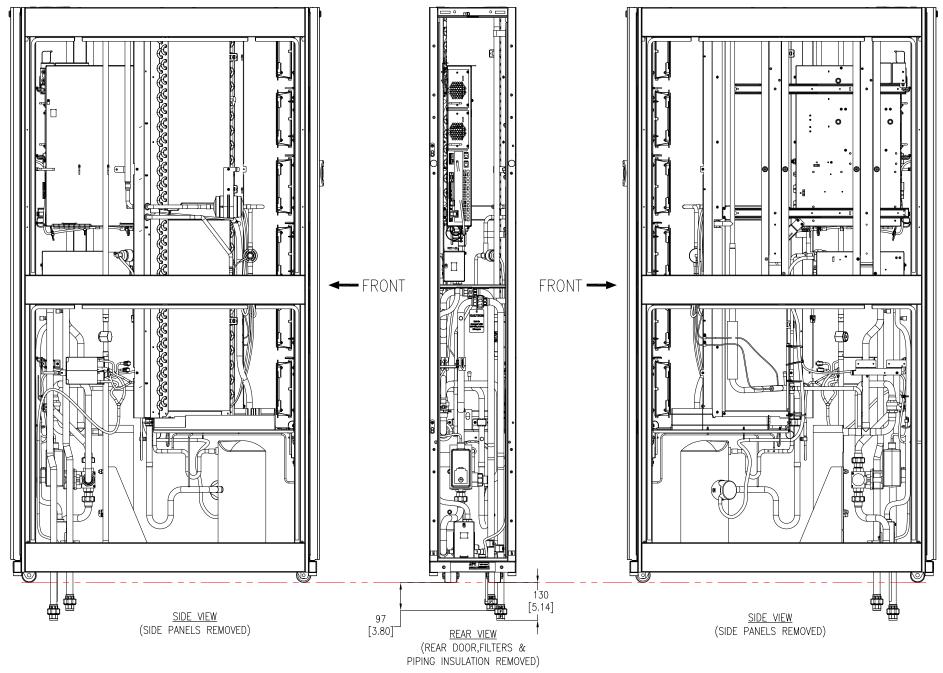
(SIDE PANELS REMOVED)



TITLE:	InRow DIRECT EXPANSION
	InRow RD, 300mm, FLUID COOLED
	ACRD200 : 208 - 230V, 60 Hz
	ACRD201 : 220 - 240V, 50 Hz
	INTERNAL VIEW — TOP PIPING

TITLE: InRow DIRECT EXPANSION InRow RD, 300mm, FLUID COOLED	DWG NO:	CRD200)-201	REV.
ACRD200 : 208 - 230V, 60 Hz ACRD201 : 220 - 240V, 50 Hz	DRAWN:	SURAJ P	27-JAN-12	FIRST
INTERNAL VIEW — TOP PIPING	ENGINEER: R	GRANTHAN/M BROWN	29-MAR-12	ANGLE
PROJECT: DRAWINGS SHEET 7 OF 13	APPROVED:C	CUMMISKEY/C ZALDIVAR	29-MAR-12	PROJECTION

BOTTOM PIPING CONFIGURATION



1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL REGULATIONS. 2. PLEASE REFER TO PRODUCT MANUALS FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.

3. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].

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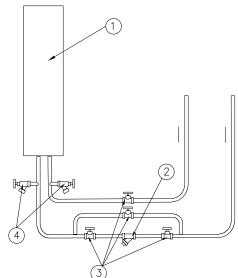
TITLE:	InRow	DIRECT EXPANS	ION
	InRow RD,	300mm, FLUID	COOLED
		: 208 - 230V,	
	ACRD201	: 220 - 240V,	50 Hz
	INTERNAL '	VIEW — BOTTOM	PIPING

ACRD200-201 27-JAN-12

FIRST ENGINEER: R GRANTHAN/M BROWN 29-MAR-12 ANGLE PROJECT: DRAWINGS SHEET 8 OF 13 APPROVED: C CUMMISKEY/C ZALDIVAR 29-MAR-12 PROJECTION

BOTTOM PIPING SHOWN

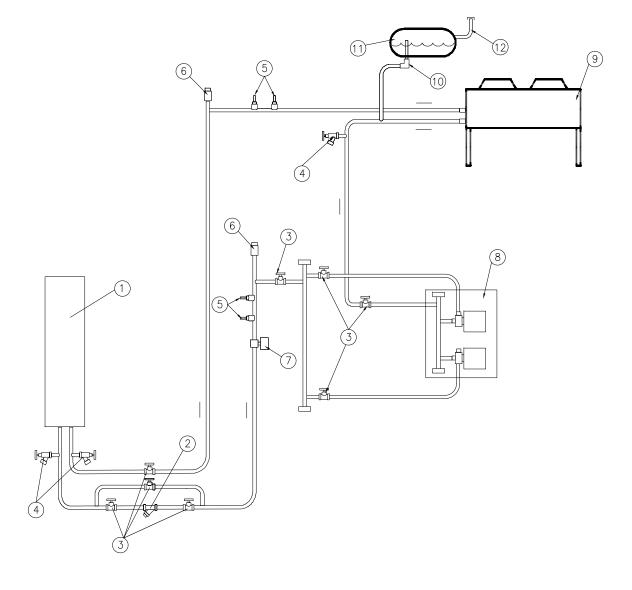
WATER COOLED PIPING



- (1) InRow RD
- (2) Strainer*
- (3) Gate Valve*
- (4) Hose bib*
- (5) Temperature & Pressure gauges*
- (6) Air vent*
- (7) Flow switch*
- 8 Pump package*
- (9) Fluid-cooler
- (10) Airtrol fitting*
- (11) Expansion Tank*
- (12) Tank fill*

*Field supplied and installed

GLYCOL COOLED PIPING



NOTES:

1.INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL REGULATIONS.

2.PLEASE REFER TO PRODUCT MANUALS FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.

3.THE TOP PIPING CONFIGURATION WILL HAVE THE SAME VALVES, FITTINGS & STRAINERS AS BOTTOM PIPING CONFIGURATION.

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TLE:	InRow	DIRECT EXPANSION	
		300mm, FLUID COOLED	
		: 208 - 230V, 60 Hz	
		: 220 - 240V, 50 Hz	
	P	IPING DIAGRAM	

DWG NO: ACRD200-201 REV.
DRAWN: SURAJ P | 27-JAN-12 FJF

PROJECT: DRAWINGS SHEET 9 OF 13 APPROVED: C CUMMISKEY/C ZALDIVAR

ENGINEER: R GRANTHAN/M BROWN 29-MAR-12 ANGLE
APPROVED:C CUMMISKEY/C ZALDIVAR 29-MAR-12 PROJECTION

	POWER CONNECTIONS							
SKU	VOLTAGE	FREQUENCY	REQUENCY MCA MOP FL		FLA	(COMPRESSOR)		POWER (KW)
						LRA	RLA	,
ACRD200	208-230V	60HZ	25	40	N/A	87.50	16.00	4.6
ACRD201	220-240V	50HZ	N/A	N/A	21	97.00	16.00	4.4

NOTE: ABOVE DATA IS BASED ON MAXIMUM OPERATING CONDITIONS.

INSTALLATION MUST COMPLY WITH NATIONAL AND/OR LOCAL ELECTRICAL CODES.

MCA - MINIMUM CIRCUIT AMPACITY

MOP - MAXIMUM OVERCURRENT PROTECTION

LRA - LOCKED ROTOR AMPS

RLA - COMPRESSOR RATED LOAD AMPS.

FLA - FULL LOAD AMPS

PIPING CONNECTIONS					
CONNECTION	TYPE	ACRD200-201			
FLUID INPUT	BRAZED*	7/8" OD COPPER			
FLUID RETURN	BRAZED*	7/8" OD COPPER			
CONDENSATE		3/16" ID			
DRAIN		5/16" OD			

^{*} USE THE PROVIDED GASKETS TO PREVENT LEAKAGE.

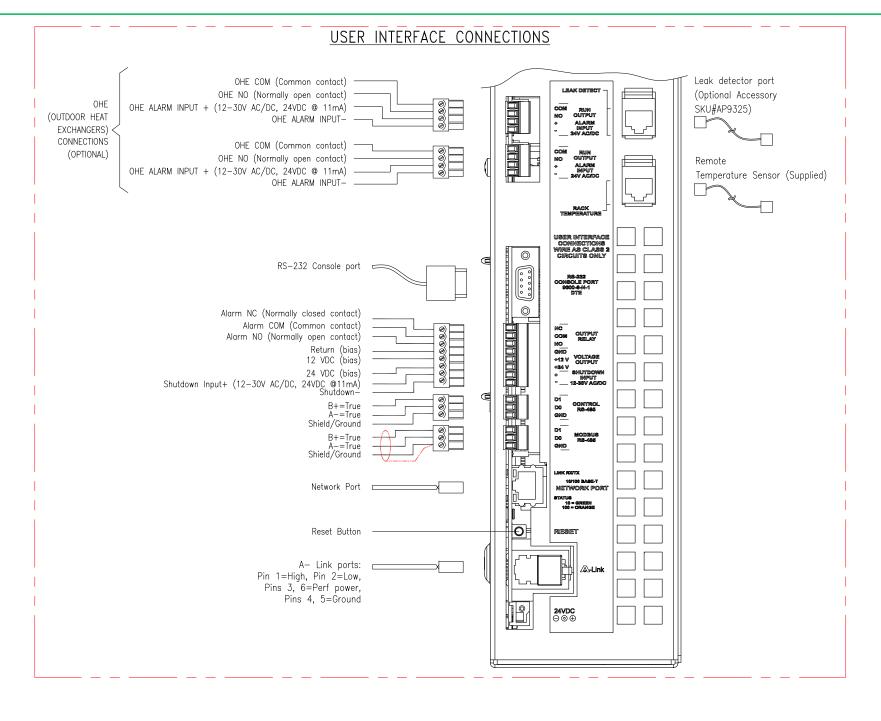
- 1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL REGULATIONS.
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TITLE:	
mice.	InRow DIRECT EXPANSION
	InRow RD, 300mm, FLUID COOLED
	ACRD200 : 208 - 230V, 60 Hz
	ACRD201 : 220 - 240V, 50 Hz
	CONNECTION OVERVIEW

INCOM DIRECT EXPANSION INCOM RD, 300mm, FLUID COOLED			DWG NO: ACRD200-201 REV. 0			
ACRD200 : 208 - 230V, 60 Hz ACRD201 : 220 - 240V, 50 Hz		DRAWN:	SURAJ P	27-JAN-12	ANGLE	
	CONNECTION OVERVIEW		ENGINEER: R	GRANTHAN/M BROWN	29-MAR-12	PROJECTION
	PROJECT: DRAWINGS	SHEET 10 OF 13	APPROVED:C	CUMMISKEY/C ZALDIVAR	29-MAR-12	NA



NOTES

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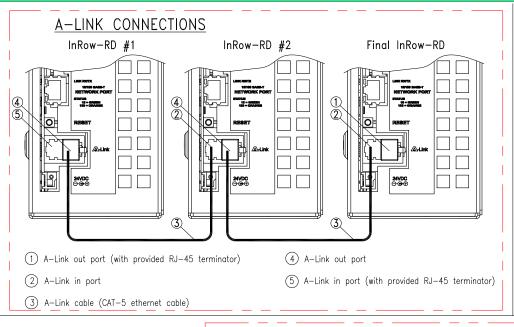


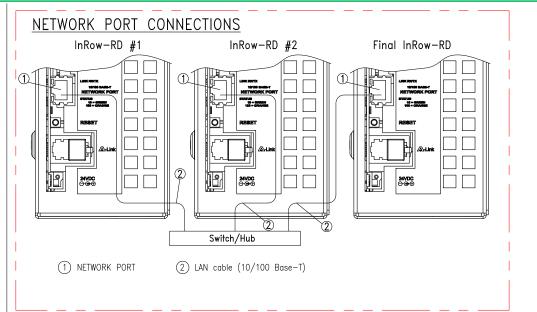
TITLE:	InRow DIRECT EXPANSION
	InRow RD, 300mm, FLUID COOLED
	ACRD200 : 208 - 230V, 60 Hz
	ACRD201 : 220 - 240V, 50 Hz
	LISER INTERFACE

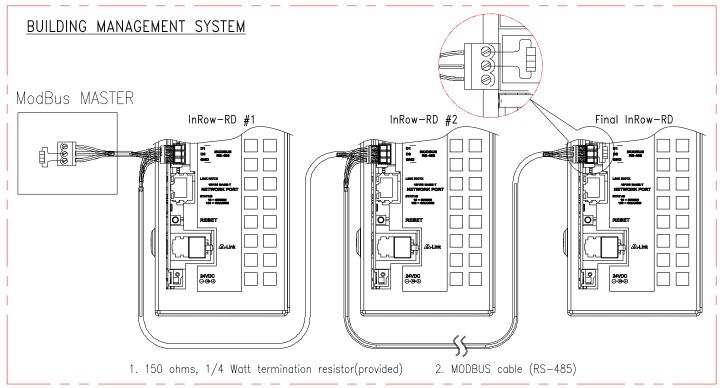
DWG NO:	ACRD200)-201	REV. O
DRAWN:	SURAJ P	27-JAN-12	ANGLE

ACRD201 : 220 – 240V, 50 Hz
USER INTERFACE

ENGINEER: R GRANTHAN/M BROWN 29-MAR-12 PROJECTION
PROJECT: DRAWINGS SHEET 11 0F13 APPROVED: CUMMISKEY/C ZALDWAR 29-MAR-12 NA







- 1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL REGULATIONS.
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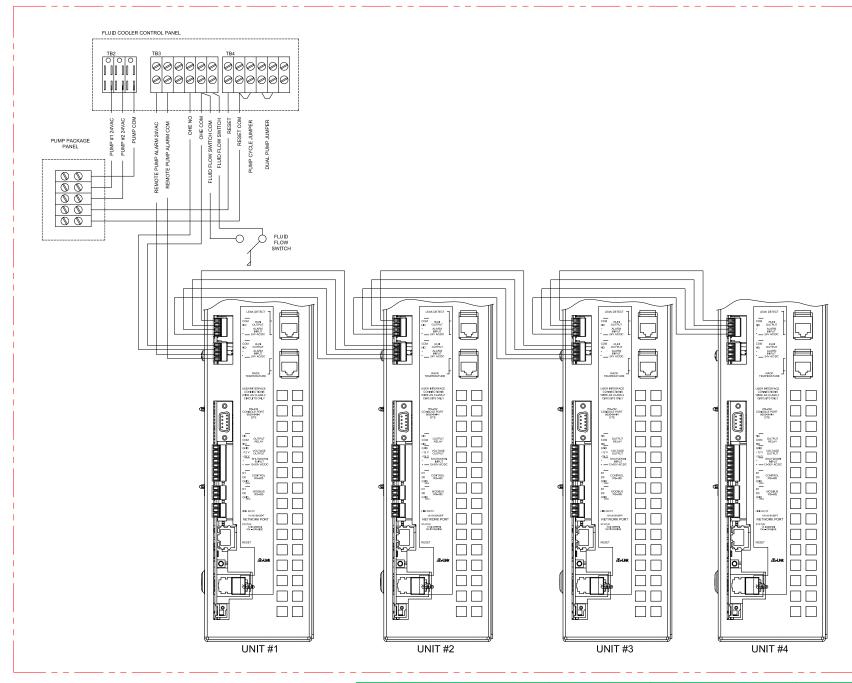


TITLE:	InRow DIRECT EXPANSION
	InRow RD, 300mm, FLUID COOLED
	ACRD200 : 208 - 230V, 60 Hz
	ACRD201 : 220 - 240V, 50 Hz
	CONTROL WIRING - 1

ACRD200 -20127-JAN-12

ANGLE ENGINEER: R GRANTHAN/M BROWN 29-MAR-12 PROJECTION PROJECT: DRAWINGS SHEET 12 OF 13 APPROVED: C CUMMISKEY/C ZALDIVAR 29-MAR-12

CONTROL WIRING



NOTES

- INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL REGULATIONS.
 PLEASE REFER TO PRODUCT MANUALS FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE
- PREPARATION WORK.
- 3. ACRD PROVIDES A DRY CONTACT CLOSURE FOR REMOTE OPERATION OF FLUID COOLER.
- 4. GROUPING OF UNITS DEPENDS ON CAPACITY OF FLUID COOLER.

5. THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURED OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.



IIILE:	InRow DIRECT EXPANSION	
	InRow RD, 300mm, FLUID COOLED	
	ACRD200 : 208 - 230V, 60 Hz	
	ACRD201 : 220 - 240V, 50 Hz	
	CONTROL WIRING - 2	

PROJECT: DRAWINGS SHEET 13 OF 13 APPROVED:C CUMMISKEY/C ZALDIVAR

DWG NO:	ACRD200)-201	REV.
DRAWN:	SURAJ P	27-JAN-12	ANGLE
ENGINEER: F	GRANTHAN/M BROWN	29-MAR-12	PROJECTION

29-MAR-12 NA