

# SHOP DRAWING/SUBMITTAL REVIEW Date: October 22, 2019 Project Name/Job No. JMH – West Wing 9th Floor Modernization - / #28060 Spec Section/Shop Drawing No. Fan Coil Unit for Rooms 901 & 937/237315-1.0 Approved subject to notations and corrections as indicated (Refer to General Comment) Resubmit corrected Shop Drawing for our records X Resubmittal of Shop Drawing is not required. Rejected/Resubmit Remarks: Refer to comments below. Reviewed by: Jose R. Gonzalez, B.S.M.E. General Comment:

This serves to Certify that this shop drawing submittal (s) has been reviewed for accuracy and compliance with general conformance of the design and layout (only) with Contract Documents. Contractor must check and approve shop drawing submittal (s) before submission and shall be responsible for dimensions, quantities, job conditions and coordination with other trades. Approval of the shop drawing and product submittal (s) by the engineer shall not relieve the Contractor of any Contract responsibility for meeting or exceeding the requirements of the Construction Documents, code compliance, compliance with the requirements of agencies having

jurisdiction, etc. These shall remain the sole responsibility of the Contractor.

# **COMMENTS**

1. FCU's for Rooms 901 & 937.



# **Submittal #237315-1.0 237315 - FAN COIL UNITS**

Skanska USA 330 S.W. 2nd Avenue Suite 207 Fort Lauderdale, Florida 33312 Project: 2316610-WW9000 - Jackson Health - West Wing 9 1611 NW 12th Avenue Miami, Florida 33136

Phone: (954) 920-5167
Fax: (954) 927-4671

	Fan Coil Unit for Rooms 901 and 937				
SPEC SECTION:	237315 - FAN COIL UNITS	SUBMITTAL MANAGER:	Jounel Bonilla (Skanska USA Building Inc. (FL-Fort La)		
STATUS:	Submitted to A/E/O	DATE CREATED:	10/16/2019		
ISSUE DATE:	10/16/2019	REVISION:	0		
RESPONSIBLE CONTRACTOR:	Integ Miami LLC	RECEIVED FROM:	Milagros Suarez		
RECEIVED DATE:	10/16/2019	SUBMIT BY:	10/16/2019		
FINAL DUE DATE:	10/23/2019	LOCATION:			
TYPE:	Product Data	PRIORITY			
APPROVERS:	Natividad Soto (Ferguson Glasgow Schuster So	to, Inc.)			
BALL IN COURT: Natividad Soto (Ferg	guson Glasgow Schuster Soto, Inc.)				
DISTRIBUTION:					
	R, please see attached the proposed FCU's for roor roor investigation is needed.	ns 901 and 937. The FCU for the	West Elevator Lobby will be submitted		
ATTACHMENTS:					

# SUBMITTAL WORKFLOW

#	NAME	SUBMITTER/ APPROVER	SENT DATE	DUE DATE	RETURNED DATE	RESPONSE	ATTACHMENTS
1	Natividad Soto	Approver		10/23/2019		Pending	

BY	DATE	COPIES TO



FO-INTEG-PROJECT-PO0001-REV.03 Gestión de Control de Calidad / Quality Management

# Information

Status: In Review

Task/tareas condition

Legend
Overdue
On Time
Delayed Start
Inactive

Project (CDC) - Empresa/ Integ Miami LLC

COMPANY:

Project (CDC) - CDC ( Centro I-HVAC-JHS-WW9-050919

de Costo)

Project (CDC) - Customer Skanska USA

Name

Project (CDC) - Ubicacion 1611 NW 12th Ave, Miami, Florida 33136

# Submittal

Title: Fan Coil Unit

Spec Section: Description: TRANE Fan Coil Unit

Model Number: FCCB030

Submittal Type: Product Data

Submitted On: 16-10-2019 Responsible Contractor: Integ Miami LLC

Submittal Manager: Daniela Salas

Issue Date: Final Due Date:

Lead Time: 7

Ball in Court: Skanska

# Attachment

Attachment:

**Linked Drawings:** 

Notes:

# Stamp Info

Stamp Date:

Other Name:

Show Stamp on PDF:

# Submittal logs

Add Submittal LOG

Revision #	Date Submittal REV	Attachement Document:	Comments:
No submittal lo	gs found		

-	Submittal Approval	
	Approval	Name/Title:
	Signature	

Created today at 5:38 AM (PDT). Last updated by <u>Suarez, Milagros</u> today at 5:40 AM (PDT). Owned by <u>Suarez, Milagros</u>.



Unit Over	view								
Model	Cabinet Style	Unit Cabinet	Design	Elevation	Ext	ernal Dimensi	ons	We	ight
Number	Cabillet Style	Size	Airflow	Elevation	Length	Width	Height	Shipping	Operating
FCCB030	Horizontal concealed	Size 030	249 cfm	0.00 ft	33.000 in	25.000 in	10.000 in	68.0 lb	81.0 lb

Unit Features	
Inlet Style	Bottom toe space inlet
Outlet Style	Front duct collar outlet
Unit Mounted Disconnect Switch	With disconnect switch
Filter Type	1" throwaway
Piping System/Placement	With piping, right hand
Drain Pan	Polymer



Motor/Electrical Information			
Unit voltage	115v/60hz/1ph	Min circuit ampacity	2.75 A
ESP	0.020 in H2O	Max fuse size	15.00 A
Motor type	Free discharge ECM	Motor rpm #1	1089 rpm
Motor speed	High	Motor hp #1	0.130 hp
Motor power	39.0 W		
FLA motor option	Standard FLA ECM		

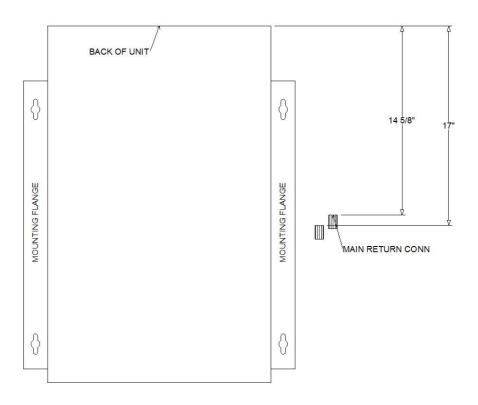
Coil Information			
Main Coil Type	4 row cooling only	Cooling Fluid Type	Water
Coil Air Vent	Manual		
Piping Packages / End Valves	Basic ball valve supply and return		

Coil Performance - Cooling				
Total Capacity	8.89 MBh	Entering Fluid Temp	45.00 F	
Sensible Capacity	6.13 MBh	Leaving Fluid Temp	55.00 F	
Entering Dry Bulb	80.00 F	Fluid Pressure Drop	5.86 ft H2O	
Entering Wet Bulb	67.00 F	Fluid Flow Rate	1.80 gpm	
Leaving Dry Bulb	54.99 F	Fluid Delta T	10.00 F	
Leaving Wet Bulb	54.31 F			

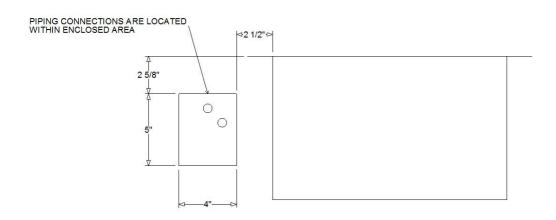
Controls, Sensors and Val	ves		
Control type	Tracer ZN 510	Cooling Coil Control Valve	2-Way, 2 Position N.C.
Zone Sensor Type	Wall mtd temp sensor (ON/CNC, COMM)		

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# **TOP VIEW**

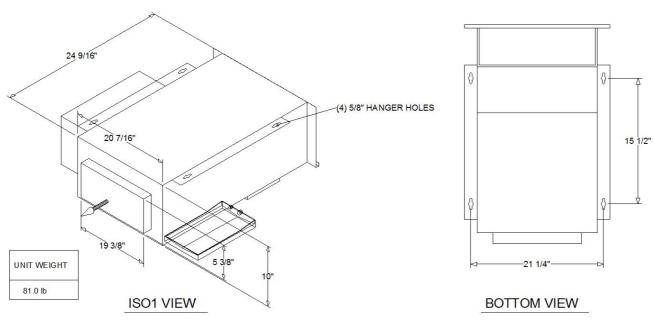


# **BACK VIEW**

- NOTES: 1. PIPING CONNECTIONS ARE 5/8" OUTSIDE DIAMETER COPPER. 2. LOCATING DIMENSIONS HAVE A PLUS OR MINUS 1" TOLERANCE.

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# NOTES:

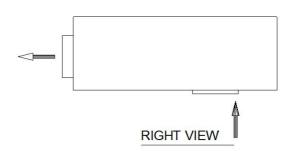
- 1. ARROW(S) INDICATE THE DIRECTION OF AIRFLOW.
- 2. FILTERS ARE ACCESSED THROUGH THE BOTTOM OF UNIT.
- 3. CONTROL WIRES SHOULD ENTER CONTROL BOX THROUGH TOP FRONT KNOCKOUT.
- 4. POWER WIRES ARE TO ENTER CONTROL BOX THROUGH FRONT BOTTOM CONDUIT ENTRANCE KNOCKOUTS.
- 5. PIPING CONNECTIONS ARE 5/8" OD COPPER.
- 6. AUXILIARY DRAINPAN CONN: MAIN: 7/8" OD TUBE & CLAMP SECONDARY: 3/8" ID TUBE
- 7. STANDARD ENDPOCKET WIDTH IS 7".



LEFT VIEW

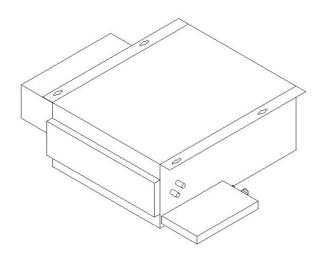


**BACK VIEW** 



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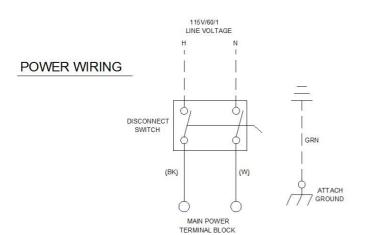




# **BIM VIEW**

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# NOTES:

- 1. ALL FIELD WIRING MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC), STATE AND LOCAL REQUIREMENTS.
- 2. DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS. DASHED LINE ENCLOSURES AND / OR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY THE FIELD. SOLID
- LINES INDICATE WIRING BY TRANE COMPANY.

  3. CUSTOMER SUPPLIED FORM C DRY CONTACTS. FIELD WIRING SHOULD BE 16-22 AWG WITH A MAXIMUM LENGTH OF 1000 FT. DEFAULT SETTINGS: OPEN = OCCUPIED.
- 4. COMMUNICATION WIRE MUST BE TRANE PART NO. 400-20-28 OR EQUIVALENT. MAXIMUM LENGTH OF AGGREGATE RUN AS FOLLOWS: 4500 FT. FOR DAISY CHAIN WITH 105 OHM RESISTOR AT EACH END. 1500 FT. FOR STAR WITH ONE 50 OHM RESISTOR NEAR THE CENTER OF THE STAR. CAUTION: DO NOT RUN POWER IN THE SAME CONDUIT OR WIRE BUNDLE WITH COMMUNICATION LINK.
- 5. INTERCONNECTION WIRING MUST BE 16-22 AWG INTERCONNECTION WIRING MUST BE 16-22 AWG AND MUST NOT BE GREATER THAN 200 FT.
  INTERCONNECTION WIRING SHOULD NOT BE BUNDLED WITH, RUN PARALLEL WITH, OR RUN IN THE SAME CONDUIT WITH ANY HIGH VOLTAGE (110V OR GREATER) WIRES. SHIELDED WIRE (BELDON 83559/83562 OR EQUIVALLENT) IS RECOMMENDED IN APPLICATIONS WHERE A HIGH DEGREE OF NOISE IMMUNITY TO RFI IS NEEDED. SHIELD SHOULD BE CONNECTED TO CHASSIS GROUND AT THE UNIT AND TAPED AT THE OTHER END.

MCA: 2.75 MFS: 15.00

# **WARNING**

HAZARDOUS VOLTAGE
DISCONNECTAL ELECTRIC POWER
INCLUDING REMOTEDISCONNECTS AND
FOLLOW LOCK OUT AND TAG PROCEDURES
BEFORE SERVICION, INSURE THAIL
MOTOR CAPACITORS HAVED SICHARGED
STOKED VOLTAGE UNITE WITH ANRABLE
SPEED DRIVE, REFER TO DIVINE
INSTRUCTIONS FOR CAPACITOR DISCHARGE

FAILURE TO DO THE ABOVE BEFORE SERVICING COULD RESULT IN DEATH OR SERIOLISIN 11 DV

# AVERTISSEMENT TENSION DANGEREUSE!

COUPER TOUTES LES TENSIONS ET OUVRIR LES SECTIONNEURS À DIST OUVRIL ESSECTIONNEURS À DISTANCE.
PUIS SUIVRE LES PROCÉDURES PAROED
VERROUILLAGE ET DES ÉTIQUETTES AVANT
TOUTE INTERNEVITION. MERIFER QUE TOUS
LES CONDENATEURS DES MOTEURS SONT
DÉCHARGES, DANS LE CAS DUINE
COMPORTE NAT DES EUTRABLEMENTS À
UNITERNEVITIONS DE L'ENTRAINEMENT AVANT
LIGHT L'ENTRAINEMENT POUR
DÉCHARGER LES CONDENSATEURS.

NE PAS RESPECTER CESMESURES DE PRÉCAUTION PEUT ENTRAÎNER DES BLESSURES GRAVES POUVANT ÊTRE MORTELLES.

# **ADVERTENCIA**

IVOLTAJE PELIGROSO!

INOLTALE PELIGROSO!

DESCONECT TODAL ALBRERGÍA ELÉCTRICA.

INCLUSO LAS DESCONESIONES RENOTRASY:
SORALOS PROCEDIMENTOS DE GIERREY
ETIQUETADO ANTES DE PROCEDER A.

SERVICIO. ASEQUIRESE DE LUE TODOS
LOS CAPRICTIORES DEL INOTOR HAYAN
DESCAPRADO EN OUTALE ALANGEMADO
PARALAS UNIDADES CON ELE DE
DESCAPACIONES DEL SOTOR DE DEL ELE
LOS CONTRACTOR DE LOS DESCAPACIONES DE LOS CAPACIONES DEL SEL ELE

SORGIO DE CONTRACTOR DE LOS DESCAPACIONES

DESCAPACIONES CONTRACTOR DE PRIPA LA
DESCAPACIONES.

EL NO REALIZAR LO ANTERIORMENTE INDICADO, PODRÍA OCASIONAR LA MUERTE O SERIAS LESIONES PERSONALES.

# NOTICE

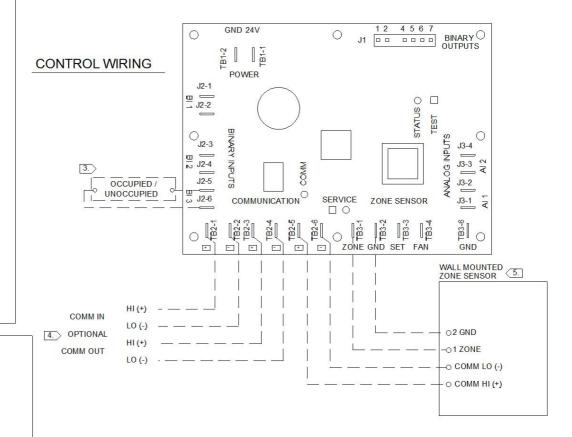
UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS. FAILURE TO DO THE ABOVE COULD RESULT IN EQUIPMENT DAMAGE.

# **AVIS**

N'UTILISER QUE DES CONDUCTEURS EN CUIVREI LES BORNES DE L'UNITÉ NE SONT PAS CONÇUES POUR RECEVOIR D'AUTRES TYPES DE CONDUCTEURS. FAIRE DÉFAUT À LA PROCÉDURE CI-DESSUS PEUT ENTRAÎNER DES DOMMAGES À L'ÉQUIPEMENT.

# AVISO

UTILICE ÚNICAMENTE CONDUCTORES DE COBRE LAS TERMINALES DE LA UNIDAD NO ESTÁN DISEÑADAS PARA ACEPTAR OTROS TIPOS DE CONDUCTORES. NO SEGUIR LAS INSTRUCCIONES ANTERIORES PUEDE PROVOCAR DAÑOS EN EL EQUIPO.



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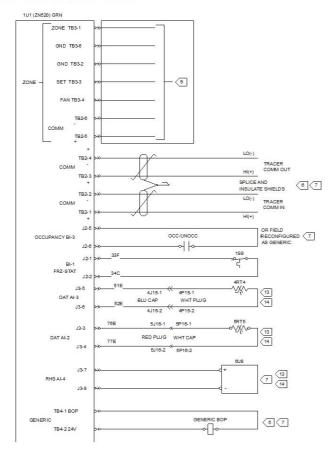
### NOTES (SHEET TWO):

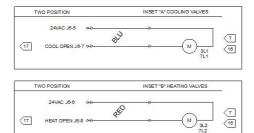
- UNLESS OTHERWISE NOTED. ALL SWITCHES ARE SHOWN AT 25° C (77° F), WITH ALL UTILITIES TURNED OFF, AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.
- DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS. DASHED UNED ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY THE FIELD. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS. SOLID LINES INDICATE WIRING BY TRANE.
- NUMBERS ALONG THE LEFT SIDE OF THE SCHEMATIC DESIGNATE THE LOCATION OF COMPONENTS BY LINE NUMBER.
- ALL FIELD WIRING MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC). STATE AND LOCAL REQUIREMENTS. ALL FIELD WIRING MUST HAVE AN INSULATION VOLTAGE RATING THAT EQUALS OR EXCEEDS UNIT RATED VOLTAGE.
- 5 BINARY OUTPUT IS RATED 24VAC, 12VA, PILOT DUTY. (1TB4-1&2).
- 6 COMMUNICATION WIRE MUST BE TRANE PART NO. 400-20-28, OR WINDY CITY OR CONNECTAIR "LEVEL 4" CABLE. MAXIMUM OF 4500 FOOT AGGREGATE RUN. CAUTION DO NOT RUN POWER IN THE SAME CONDUIT OR WIRE BUNDLE WITH COMMUNICATION LINK. FOR ADDITIONAL INFORMATION REFER TO EMTX-EB-68.
- 7 USE CLASS 2 WIRING.
- CONDENSATE OVERFLOW SWITCH IS CLASS 2 VOLTAGE ONLY
  (24V OR LESS) 10 WATT NON-INDUCTIVE (MAX) SWITCH. THE
  CONDENSATE SWITCH MUST BE WIRED ONLY TO EQUIPMENT
  THAT IS POWERED BY THE ONBOARD TRANSFORMER.
- 9 SEE SHEET 23114668 FOR ZONE SENSOR WIRING.

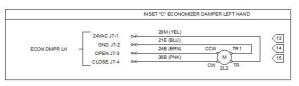
- 10 ELECTRIC HEAT WIRING SHOWN ON SHEETS 23114699 THRU 23114714.
- WIRING SHOWN IS FOR TWO POSITION DAMPER. SEE INSET
- 12 WIRING SHOWN IS FOR MODULATING VALVES. SEE INSET "A & B" FOR FACTORY AND FIELD INSTALLED 2 POSITION VALVES.
- 13 OPTION NOT AVAILABLE ZN010 (CTYP = E).
- OPTION NOT AVAILABLE ZN510 (CTYP = F).
- 15 OPTION NOT AVAILABLE ON LOW VERTICAL (MODL=K,L).
- 16 FIELD SUPPLIED ACTUATOR WIRING UTILIZES THE SAME CONNECTION POINTS AS FACTORY ACTUATOR WIRING.
- VALVES SHOWN IN NORMALLY CLOSED POSITION, FOR NORMALLY OPEN POSITION, THE VALVE SIGNAL BECOMES CLOSE:

L	EVICE PREFIX LOCATION CODE	
AREA	LOCATION	
1	CONTROL PANEL	
2	CONTROL END	
3	PIPING END	
4	FAN SECTION	
5	COIL SECTION	
6	CUSTOMER INSTALLED	
7	FIELD SUPPLIED DEVICE	

LEGEND					
DEVICE DESIGNATION	DESCRIPTION	LINE			
101	ZN520	74			
3L1	COOLING/ CHANGEOVER VALVE	75,122			
7L1	COOLING/ CHANGEOVER VALVE	75,122			
3L2	COOLING/ CHANGEOVER VALVE	79,127			
7L2	HEATING COIL VALVE	79,127			
2L2	ECON DAMPER ACTUATOR LH	84			
2L2	ECON DAMPER ACTUATOR RH	88 116 87			
2L2	DAMPER ACTUATOR				
159	FREEZE-STAT				
4RT4	OUTSIDE AIR TEMP SENSOR	89			
5RT5	DISCHARGE AIR TEMP SENSOR	91			
6U8	ZONE HUMIDITY SENSOR	93			
1U2	ZN ADAPTER BOARD	98 129			
1U4	ENGINE BOARD				
3RT1	AUTOCHG TEMP SNSR	129			
358	CONDENSATE OVERFLOW SWITCH	132			

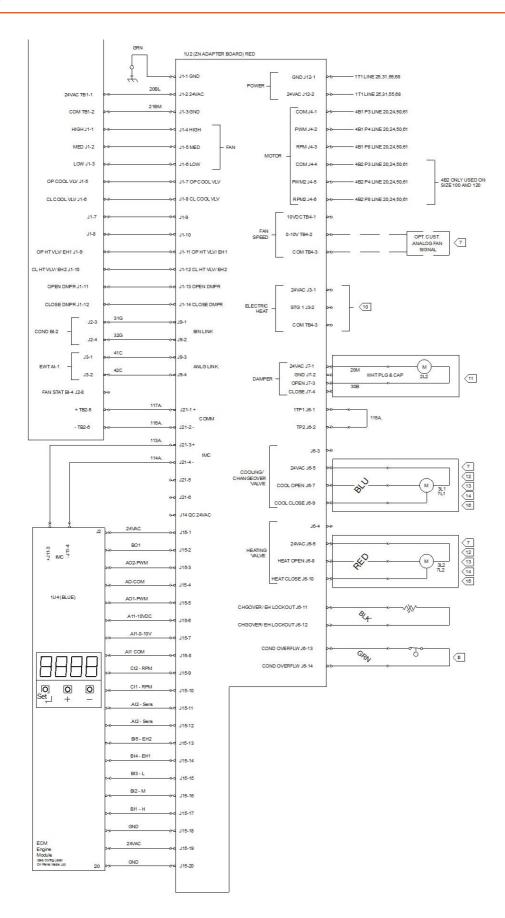






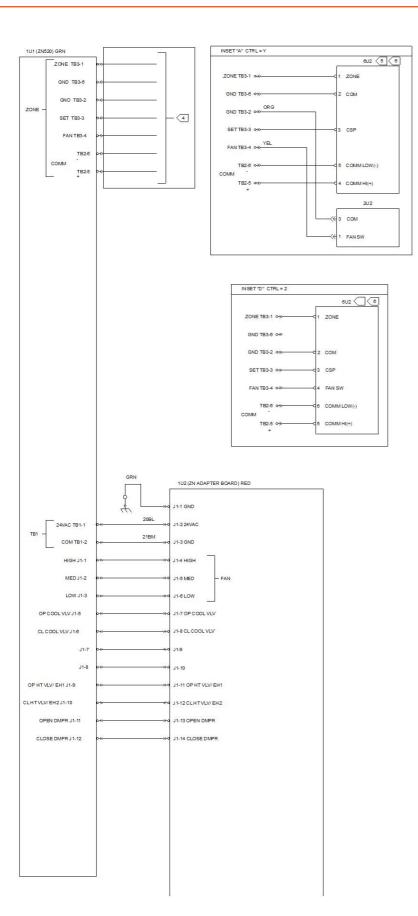


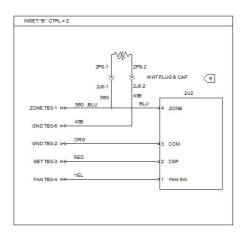
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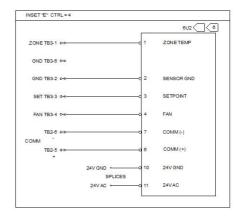


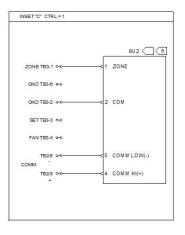
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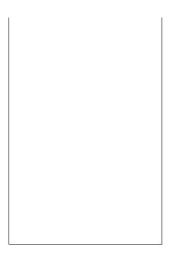


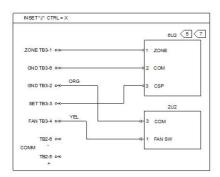




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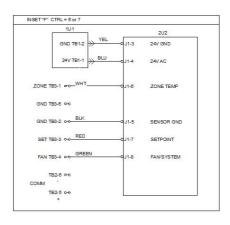


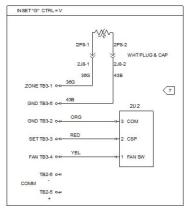


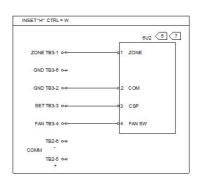


# NOTES (SHEET THREE):

- UNLESS OTHERWISE NOTED. ALL SWITCHES ARE SHOWN AT 25°C (77°F), AT ATMOSPHERIC PRESSURE, AT 50 % RELATIVE HUMIDITY, WITH ALL UTILITIES TURNED OFF, AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.
- DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY
  OTHERS. DASHED LINED ENCLOSURES AND/OR DASHED DEVICE
  OUTLINES INDICATE COMPONENTS PROVIDED BY THE FIELD.
  PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY
  OR AVAILABLE SALES OPTIONS. SOLID LINES INDICATE WIRING BY
  TRANE.
- ALL FIELD WIRING MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC). STATE AND LOCAL REQUIREMENTS. ALL FIELD WIRING MUST HAVE AN INSULATION VOLTAGE RATING THAT EQUALS OR EXCEEDS UNIT RATED VOLTAGE.
- 4 SEE INSETS "A" THRU "J" FOR CONTROL OPTION WIRING.
- 5 USE CLASS 2 WIRING.
- 6 OPTION NOT AVAILABLE ON ZN010 (CTYP = E).
- 7 OPTION NOT AVAILABLE ON ZN510 OR ZN520 (CTYP = FAND G).





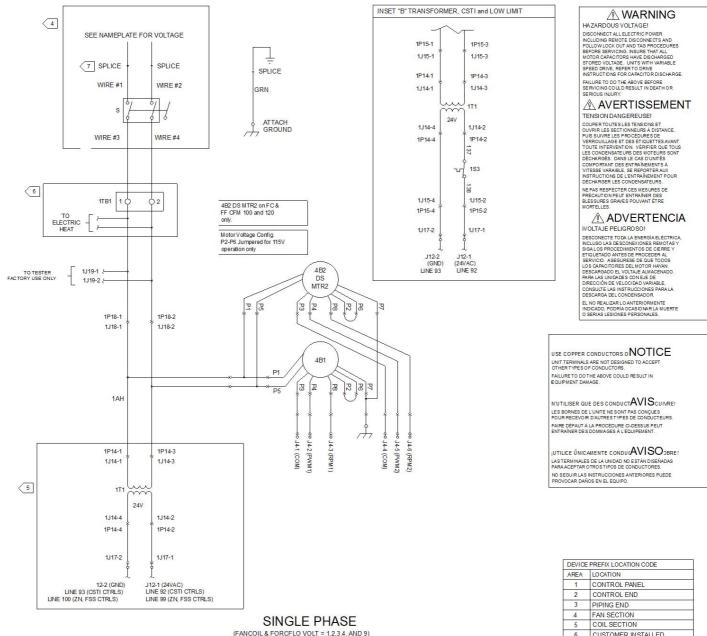


	EVICE PREFIX LOCATION CODE	
AREA	LOCATION	
1	CONTROL PANEL	
2	CONTROLEND	
3	PIPING END	
4	FAN SECTION	
5	COIL SECTION	
6	CUSTOMER INSTALLED	
7	FIELD SUPPLIED DEVICE	

LEGEND				
DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER		
101	ZN 520	147		
1U2	ZN ADAPTER BOAR D	171		
6U2	ZONE SENSOR MODULE	148,148,161,186,196		
2U2	ZONE SENSOR MODULE	151,178		
2U2	FAN SWITCH	156,200		
4RT2	RETURN AIR SENSOR	149,173		
202	WIRELESS SENSOR RECEIVER	181		

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(FANCOIL & FORCFLO VOLT = 1,2,3,4, AND 9) (LOW VERTICAL VOLT = 1)

# NOTES

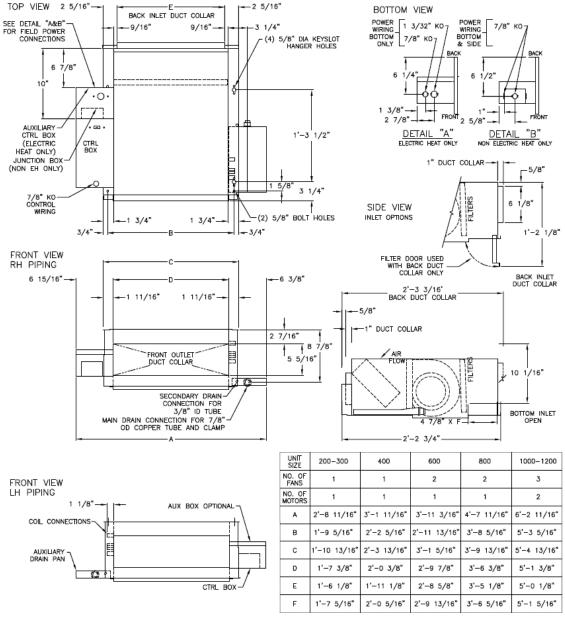
- UNLESS OTHERWISE NOTED. ALL SWITCHES ARE SHOWN AT 25°C (77°F), AT ATMOSPHERIC PRESSURE, AT 50 % RELATIVE HUMIDITY, WITH ALL UTILITIES TURNED OFF, AND AFTER NORMAL SHUTDOWN HAS OCCURED.
- DASHED LINES INDICATE RECOMMENDED FIELD DASHED UNES INDICATE RECOMMENDED FIELD WIRNING BY OTHERS. DASHED UNE ENCLOSURES ANDIOR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY THE FIELD. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS. SOLID LINES INDICATE WIRNING BY TRANE CO.
- ALL FIELD WIRING MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC) STATE AND LOCAL REQUIREMENTS.
- WIRING SHOWN IS FOR UNITS WHEN SWCHED (WITH DISCONNECT SWITCH). UNITS WITHOUT DISCONNECT SWITCH (SWCHEO) OMIT SWITCH AND REPLACE WITH SPLICE.
- WIRING SHOWN IS FOR UNITS WHEN CTYP=A,E,F,G,L,M,N AND CTYP=H (CST) WITH CTOP=0 (NONE). SEE INSET: "B" FOR UNITS WHEN CTYP=H AND CTOP = A OR C (LOW LIMIT SENSOR).
- 6 1TB1 ONLY PRESENT IF UNIT HAS ELECTRIC HEAT ADDITIONAL ELECTRIC HEAT WIRING SHOWN ON SHEETS 23114699 THRU 23114714.
- 7 SPLICE END LOCATED INJUNCTION BOX

DEVICE	PREFIX LOCATION CODE					
AREA	LOCATION					
1	CONTROL PANEL					
2	CONTROL END					
3	PIPING END					
4	FAN SECTION					
5	COIL SECTION					
6	CUSTOMER INSTALLED					
7	FIELD SUPPLIED DEVICE					

	LEGEND		
DEVICE DESIGNATION	DESCRIPTION	LINE	
181	DISCONNECT SWITCH	14	
1TB1	EHTERMINAL BLOCK	20	
4B2	MOTOR 2	24	
4B1	MOTOR 1	29	
153	CSTI LOW LIMIT SENSOR	35	
1T1	TRANSFORMER	31,37	

VOLTAGE SELECTION						
DIGIT	DIGIT	DESCRIPTION	WIRE #1	WIRE #2	WIRE #3	WIRE #4
VOLT	1	115V/60HZ/1PH	L1/BLK	NAVHT	1AA/BLK	2AA/WHT
VOLT	2	208V/60HZ/1PH	L1/BLK	L2/BLK	1AA/BLK	2AC/BLK
VOLT	3	277V/60HZ/1PH	L1/BLK	N/WHT	1AA/BLK	2AA/WHT
VOLT	4	230V/60HZ/1PH	L1/BLK	L2/BLK	1AA/BLK	2AC/BLK
VOLT	9	220-240/50/1	L1/BLK	NAVHT	1AA/BLK	2AA/WHT

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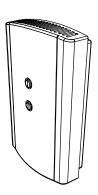


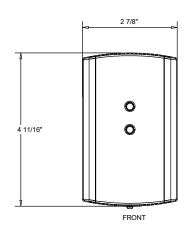
## NOTE:

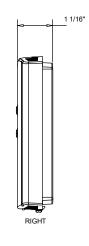
- COIL CONNECTIONS ARE ALWAYS ON THE DRAIN PAN SIDE AND OPPOSITE THE CONTROL BOX.
- COIL CONNECTIONS ARE 5/8" O.D. SWEAT. SEE PAGES XXXXX FOR LOCATIONS.
- 3. ALL DUCT COLLAR DIMENSIONS ARE TO THE OUTSIDE OF THE COLLAR.
- 4. SEE PAGES XXXXXX FOR DIMENSIONS FOR OUTSIDE AIR OPENINGS.

X1351153001

Zone Sensor w/On + Cancel







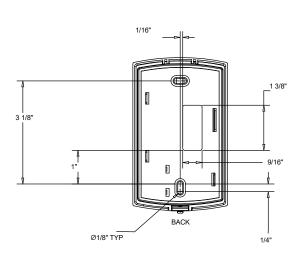




Table 1. UniTrane® Fan-Coil general data

Unit Size	02	03	04	06	08	10	12
Coil Data							
Face Area-ft <sup>2</sup> (cm <sup>2</sup> )	0.8 (743)	0.8 (743)	1.1 (1020)	1.6 (1490)	2.1 (1950)	3.2 (2970)	3.2 (2970)
L x D x H-in. (cm)							
2-Row	15 x 1.7 x 8	15 x 1.7 x 8	20 x 1.7 x 8	29.5 x 1.7 x 8	38 x 1.7 x 8	57 x 1.7 x 8	57 x 1.7 x 8
	(38 x 4 x 20)	(38 x 4 x 20)	(51 x 4 x 20)	(75 x 4 x 20)	(97 x 4 x 20)	(145 x 4 x 20)	(145 x 4 x 20)
3-Row	15 x 2.6 x 8	15 x 2.6 x 8	20 x 2.6 x 8	29.5 x 2.6 x 8	38 x 2.6 x 8	57 x 2.6 x 8	57 x 2.6 x 8
	(38 x 7 x 20)	(38 x 7 x 20)	(51 x 7 x 20)	(75 x 7 x 20)	(97 x 7 x 20)	(145 x 7 x 20)	(145 x 7 x 20)
4-Row	15 x 3.5 x 8	15 x 3.5 x 8	20 x 3.5 x 8	29.5 x 3.5 x 8	38 x 3.5 x 8	57 x 3.5 x 8	57 x 3.5 x 8
	(38 x 9 x 20)	(38 x 9 x 20)	(51 x 9 x 20)	(75 x 9 x 20)	(97 x 9 x 20)	(145 x 9 x 20)	(145 x 9 x 20)
Volume-gal (L)							
1-Row (Heat)	0.06 (0.23)	0.06 (0.23)	0.08 (0.30)	0.11 (0.42)	0.14(0.53)	0.21 (0.79)	0.21 (0.79)
2-Row	0.12 (0.45)	0.12 (0.45)	0.15 (0.57)	0.22 (0.83)	0.28 (1.06)	0.42 (1.59)	0.42 (1.59)
3-Row	0.18 (0.68)	0.18 (0.68)	0.23 (0.87)	0.33 (1.25)	0.42 (1.59)	0.62 (2.35)	0.62 (2.35)
4-Row	0.24 (0.91)	0.24 (0.91)	0.30 (1.14)	0.44 (1.67)	0.56 (2.12)	0.83 (3.14)	0.83 (3.14)
Fins/ft (cm)		, , , , ,	, , ,		, , ,	,	, ,
2-Row	144 (4.7)	144 (4.7)	144 (4.7)	144 (4.7)	144 (4.7)	144 (4.7)	144 (4.7)
3-Row	144 (4.7)	144 (4.7)	144 (4.7)	144 (4.7)	144 (4.7)	144 (4.7)	144 (4.7)
4-Row	144 (4.7)	144 (4.7)	144 (4.7)	144 (4.7)	144 (4.7)	144 (4.7)	144 (4.7)
Reheat Coil Data (1-Row)	()	()	,		,	,	
Hot Water or Steam							
Face Area-ft2 (cm2)	0.6	0.6	0.8	1.2	1.6	2.4	2.4
	(557)	(557)	(743)	(1120)	(1490)	(2230)	(2230)
L x D x H-in. (cm)	15 x 1.5 x 6	15 x 1.5 x 6	20 x 1.5 x 6	29.5 x 1.5 x 6	38 x 1.5 x 6	57 x 1.5 x 6	57 x 1.5 x 6
,	(38 x 4 x 15)	(38 x 4 x 15)	(51 x 4 x 15)	(75 x 4 x 15)	(97 x 4 x 15)	(145 x 4 x 15)	(145 x 4 x 15)
Volume—gal (L)	0.12 (0.45)	0.12 (0.45)	0.15 (0.57)	0.22 (0.83)	0.28 (1.06)	0.42 (1.59)	0.42 (1.59)
Fins/ft (cm)	48 (1.6)	48 (1.6)	48 (1.6)	48 (1.6)	48 (1.6)	48 (1.6)	48 (1.6)
Fan/Motor Data	(=)	,	,	,	,	,	,
Fan Quantity	1	1	1	2	2	3	3
Size-Dia" x Width" (cm)	6.31 x 4	6.31 x 6.5	6.31 x 7.5	6.31 x 6.5	6.31 x 7.5	(1) 6.31 x 7.5	6.31 x 7.5
,	(16 x 10)	(16 x 17)	(16 x 19)	(16 x 17)	(16 x 19)	(16 x 19)	(16 x 19)
Size-Dia" x Width" (cm)	, ,					(2) 6.31x6.5	, ,
,						(16 x 6.5)	
Motor Quantity	1	1	1	1	1	2	2
Filter Data							
1" (cm) TA and Pl. Media							
Quantity	1	1	1	1	1	1	1
Size-in. (cm)	8-7/8 x 19-1/8	8-7/8 x 19-1/8	8-7/8 x 24-1/8	8-7/8 x 33-5/8	8-7/8 x 42-1/8	8-7/8 x 61-1/8	8-7/8 x 61-1/8
,	(23 x 49)	(23 x 49)	(23 x 61)	(23 x 85)	(23 x 107)	(23 x 155)	(23 x 155)
1" Fresh Air Filter (only or							-
Quantity	1	1	1	1	1	1	1
Size—in. (cm)	5-1/2 x 19-1/8	5-1/2 x 19-1/8	5-1/2 x 24-1/8	5-1/2 x 33-5/8	5-1/2 x 42-1/8	5-1/2 x 61-1/8	
	(14 x 49)	(14 x 49)	(14 x 61)	(14 x 85)	(14 x 107)	(14 x 156)	(14 x 156)