TOM BARROW CO.

MAIL & SHIP TO ADDRESS:
2800 Plant Atkinson Road
Smyrna, Georgia 30080

Tel: (404) 351-1010
Fax: (404) 350-9121
www.tombarrow.com

To: Addison Smith Mechanical Contractor, Inc.
110 Kingsbridge Drive
Carrollton, GA 30117

Date: January 17, 2014

Attn.:

Subject: Honda ki Expansion
Tallapoosa, Ga

Customer's # SMIT801

TBCo # 53902AD

Enclosed is one set of electronic submittal data on the following equipment:

Price Ind. Terminal Units

This is for:

X **Submittal data for approval: order is being held subject to approval.**
_____ Revised or corrected submittal data; order is being released per your instructions.
_____ Record purposes; order has been released for fabrication and shipment as soon as possible.
_____ Record purposes; order has been released for fabrication and shipment according to your instructions.
_____ Purposes of reminding you that submittal was made sometime ago but you never released order for fabrication and shipment.
_____ Furnishing you with requested operation and maintenance instructions.
_____ Email:
_____ Remarks:

Yours truly,
TOM BARROW CO.

Daniel Maloy

DM:ceg

VI. Terminal Units

Price Ind model SDV single duct terminal unit with field mounted controls (controls provided by others) per attached.

PROJECT:	Honda ki Expansion		
LOCATION:	Tallapoosa, Ga		January 17, 2014
ARCHITECT:		**TBCo CONTACT:**	Daniel Maloy
ENGINEER:		**PHONE NUMBER:**	(404) 351-1010
CONTRACTOR:	Addison Smith Mechanical Contractor, Inc.	**JOB NUMBER:**	53902AD

Terminals
Submittals

Job Name: HONDA TERMINAL UNITS
Date Printed: 1/17/2014
Spec Section: 15 - HVAC

Contact: 2800 PLANT ATKINSON ROAD
SMYRNA, GA 30080

All-In-One
Detailed Submittal Schedule
Terminals

Date Printed: 1/17/2014
Job Name: HONDA TERMINAL UNITS

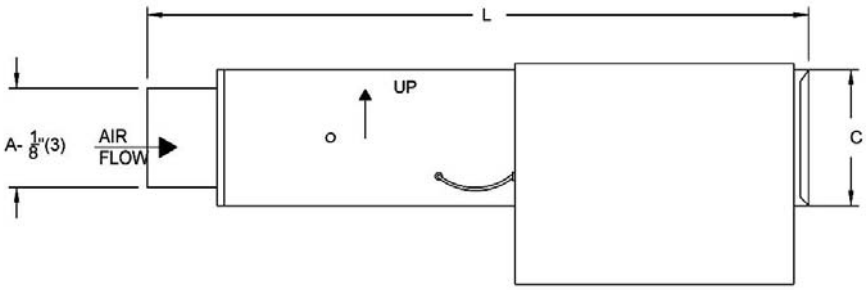
#	Qty	Model	Tag	Size 1	Inlet Dia	Max Primary (CFM)	Min Primary (CFM)	Heat Min (CFM)	Heat Max (CFM)	Inlet SP (in wg)	Downstream SP (in wg)	Min Oper PD (in wg)	Dis. H	Dis. W	* Max Rad NC 2008	T Liner	Reheat (CFM)	EAT (°F)	LAT (°F)	Rows	Coil	Sequence	Acc. 2	Static Submittal
2	1	SDV5	VAV-37-3	16	16	3000	750	0	0	1.00	0.25	0.01	18.00	24.00	28 (4)	FG50	1500	55.0	76.1	EC	Electric	2000	PS	237030, 253117
Desc.: FG50 - 1/2" Thick Fiberglass Liner (Standard) | EC - Electric Coil | 2000 - VAV - Field Installed Controls Supplied by Others | PS - Protective Shroud |																								
6	1	SDV5	VAV-37-4	7	7	500	125	0	0	1.00	0.25	0.06	10.00	12.00	20 (2)	FG50	375	55.0	80.3	EC	Electric	2000	PS	237030, 253117
Desc.: FG50 - 1/2" Thick Fiberglass Liner (Standard) | EC - Electric Coil | 2000 - VAV - Field Installed Controls Supplied by Others | PS - Protective Shroud |																								
7	1	SDV5	VAV-37-5	8	8	800	200	0	0	1.00	0.25	0.01	10.00	12.00	25 (2)	FG50	600	55.0	78.7	EC	Electric	2000	PS	237030, 253117
Desc.: FG50 - 1/2" Thick Fiberglass Liner (Standard) | EC - Electric Coil | 2000 - VAV - Field Installed Controls Supplied by Others | PS - Protective Shroud |																								
8	1	SDV5	VAV-37-6	12	12	1600	400	0	0	1.00	0.25	0.01	15.00	16.00		FG50	1200	55.0	76.1	EC	Electric	2000	PS	237030, 253117
Desc.: FG50 - 1/2" Thick Fiberglass Liner (Standard) | EC - Electric Coil | 2000 - VAV - Field Installed Controls Supplied by Others | PS - Protective Shroud |																								
9	1	SDV5	VAV-37-1	16	16	3000	750	0	0	1.00	0.25	0.01	18.00	24.00	28 (4)	FG50	1500	55.0	76.1	EC	Electric	2000	PS	237030, 253117
Desc.: FG50 - 1/2" Thick Fiberglass Liner (Standard) | EC - Electric Coil | 2000 - VAV - Field Installed Controls Supplied by Others | PS - Protective Shroud |																								
10	1	SDV5	VAV-37-2	16	16	3125	800	0	0	1.00	0.25	0.01	18.00	24.00	29 (4)	FG50	1800	55.0	86.6	EC	Electric	2000	PS	237030, 253117
Desc.: FG50 - 1/2" Thick Fiberglass Liner (Standard) | EC - Electric Coil | 2000 - VAV - Field Installed Controls Supplied by Others | PS - Protective Shroud |																								
11	1	SDV5	VAV-37-7	6	6	350	100	0	0	1.00	0.25	0.11	8.00	12.00		FG50	260	55.0	79.3	EC	Electric	2000	PS	237030, 253117
Desc.: FG50 - 1/2" Thick Fiberglass Liner (Standard) | EC - Electric Coil | 2000 - VAV - Field Installed Controls Supplied by Others | PS - Protective Shroud |																								
12	1	SDV5	VAV-37-8	6	6	350	100	0	0	1.00	0.25	0.11	8.00	12.00		FG50	260	55.0	79.3	EC	Electric	2000	PS	237030, 253117
Desc.: FG50 - 1/2" Thick Fiberglass Liner (Standard) | EC - Electric Coil | 2000 - VAV - Field Installed Controls Supplied by Others | PS - Protective Shroud |																								
13	1	SDV5	VAV-37-9	7	7	500	125	0	0	1.00	0.25	0.06	10.00	12.00	20 (2)	FG50	450	55.0	79.6	EC	Electric	2000	PS	237030, 253117
Desc.: FG50 - 1/2" Thick Fiberglass Liner (Standard) | EC - Electric Coil | 2000 - VAV - Field Installed Controls Supplied by Others | PS - Protective Shroud |																								
14	1	SDV5	FUTURE	7	7	500	125	0	0	1.00	0.25	0.06	10.00	12.00	20 (2)	FG50	450	55.0	79.6	EC	Electric	2000	PS	237030, 253117
Desc.: FG50 - 1/2" Thick Fiberglass Liner (Standard) | EC - Electric Coil | 2000 - VAV - Field Installed Controls Supplied by Others | PS - Protective Shroud |																								

Performance Notes

Date Printed: 1/17/2014

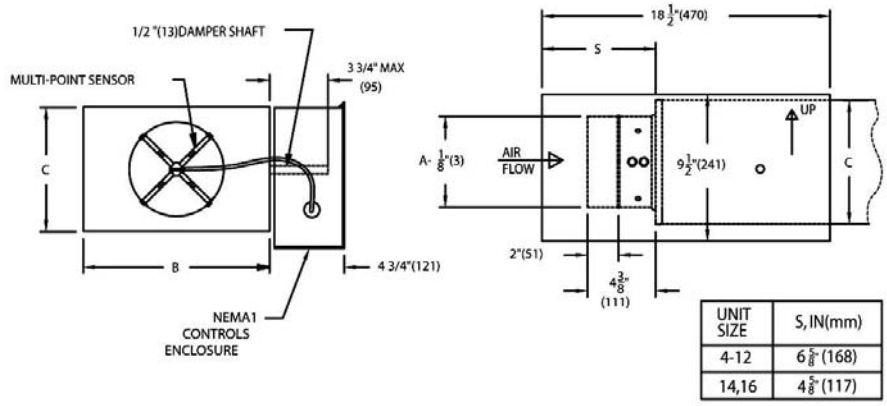
1. Dashes (--) indicate NC values less than 20.
2. NC values are calculated based on procedures outlined in AHRI Standard 885-2008, "A Procedure for Estimating Occupied Space Sound Levels in the Application of Air Terminals and Air Outlets."
3. Sound power levels are given in decibels (dB).
4. Dashes (--) indicate sound power levels below 36-29-26-22-19-17 for each octave band; values below these sound power levels are considered below significance per AHRI 880.
5. Minimum operating pressure is the minimum static pressure required to operate the terminal unit assembly at maximum primary flow with a wide open damper.
6. Airflow is given in cubic feet per minute (cfm).
7. Air pressure drop is given in inches water gauge (in. w.g.), and water pressure drop is given in feet of water gauge (ft. w.g.).
8. NC values are derived from sound power levels obtained in accordance with ASHRAE Standard 130-2008 and AHRI Standard 880-2011, which include duct end reflection corrections.
9. * NC values are derived from sound power levels obtained in accordance with ASHRAE Standard 130-2008 and AHRI Standard 880-2008. This is NOT the current estimation methodology for NC values and does not include duct end reflection corrections.
10. Terminal unit assembly is ETL certified in accordance with UL1995 and CSA 22.2.236.

SDV5 Single Duct w/ Electric Coil



Unit Size	Max CFM	Outlet		Inlet	Length
		B	C	A	L
6	450	12	8	6	40 1/4
7	650	12	10	7	40 1/4
16	4000	24	18	16	40 1/4

Digital Controls



UNIT SIZE	S, IN(mm)
4-12	6 5/8" (168)
14,16	4 5/8" (117)

- Controls are supplied by controls contractor and field installed
- Controls Enclosure will be supplied as illustrated on right hand side unless specified otherwise
- Multi-point Primary Airflow Sensor supplied by Price

PROJECT: HONDA TERMINAL UNITS **SUBMITTAL NO:** 258148-A **SUBMITTAL DATE:** 1/17/2014
ENGINEER: **CUSTOMER:**
DESCRIPTION: Single Duct - DDC By Others
SDV5//I/2000/16,6,7/FLD/CFM//EC/10.0,18.0,2.0,3.5/480-3/1/IDSW/FUS////////FG50///PS//////////////////////

Marketing Release version: 1.37.1.1, All In One version: 3.1.5
All metric dimensions () are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.

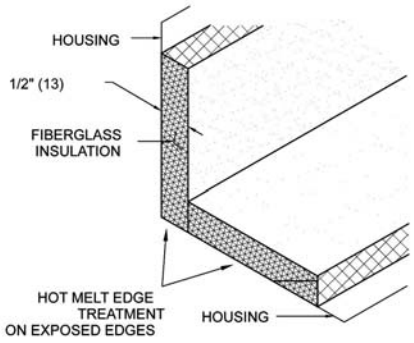
Notes

- 22 Ga. zinc coated terminal and 20 Ga. heater, mechanically sealed, leak resistant construction
- Rectangular discharge opening with slip and drive cleat duct connection

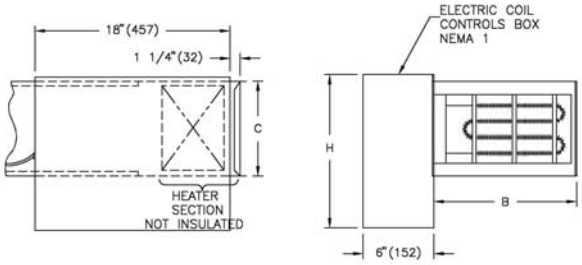
Assembly UL1995 & CSA236 certified

Liner FG50

Internal Insulation – Fiberglass 1/2" (13mm) thick, min. 1.5# density, meets requirements of NFPA90A and UL 181. R-Value = 1.9



Electric Coil



Unit Size	B	C	H
6	12	8	12
7	12	10	12
16	24	18	17

Standard Coil Notes

- Automatic reset thermal cutout
- Manual reset thermal cutout
- Hinged access door
- Refer to submitted control diagrams for standard control components to be supplied
- 24 VAC / 50 VAC Class 2 Transformer
- Low watt density elements, high grade nickel-chrome alloy
- Air flow switch
- Single point electrical connection
- Magnetic Contactors

Electrical Configuration

Supply Voltage:

- 480/3ø (3 Wire)

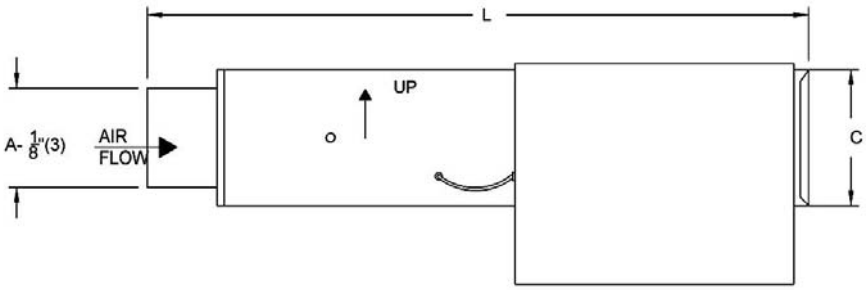
Stages/Control: 1

Selected Coil Features

- FUS - Main line fusing
- IDSW - Door Interlock Disconnect

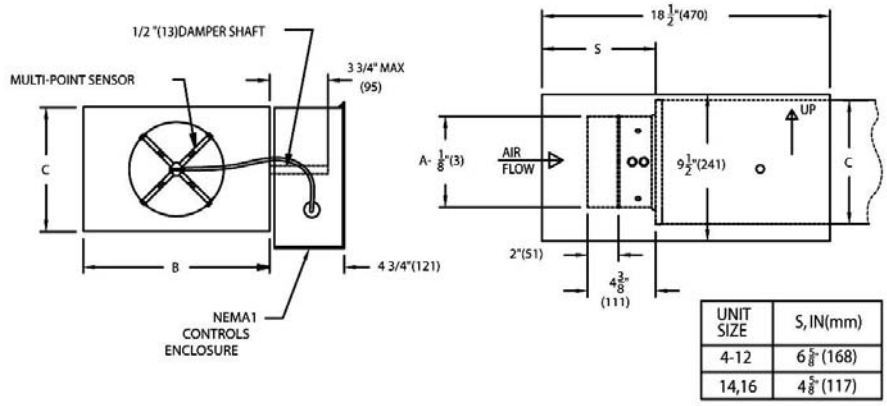
PROJECT: HONDA TERMINAL UNITS **SUBMITTAL NO:** 258148-A **SUBMITTAL DATE:** 1/17/2014
ENGINEER: **CUSTOMER:**
DESCRIPTION: Single Duct - DDC By Others
SDV5//I/2000/16,6,7/FLD/CFM//EC/10.0,18.0,2.0,3.5/480-3/1/IDSW/FUS////////FG50///PS//////////////////////

SDV5 Single Duct w/ Electric Coil



Unit Size	Max CFM	Outlet		Inlet	Length
		B	C	A	L
7	650	12	10	7	40 1/4
8	800	12	10	8	40 1/4
12	2100	16	15	12	40 1/4

Digital Controls



UNIT SIZE	S, IN(mm)
4-12	6 5/8" (168)
14,16	4 5/8" (117)

- Controls are supplied by controls contractor and field installed
- Controls Enclosure will be supplied as illustrated on right hand side unless specified otherwise
- Multi-point Primary Airflow Sensor supplied by Price

PROJECT: HONDA TERMINAL UNITS **SUBMITTAL NO:** 258148-A **SUBMITTAL DATE:** 1/17/2014
ENGINEER: **CUSTOMER:**
DESCRIPTION: Single Duct - DDC By Others
SDV5//I/2000/7,8,12/FLD/CFM//EC/3.0,4.5,8.0/480-3/SCRV/IDSW/FUS/////////FG50///PS/////////////////////SCR-112/

Marketing Release version: 1.37.1.1, All In One version: 3.1.5
All metric dimensions () are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.

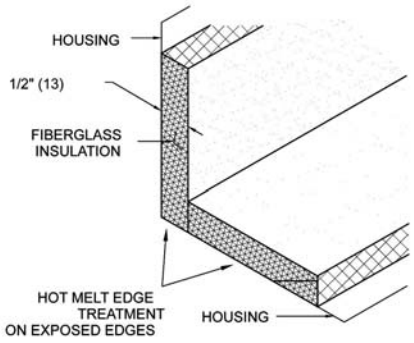
Notes

- 22 Ga. zinc coated terminal and 20 Ga. heater, mechanically sealed, leak resistant construction
- Rectangular discharge opening with slip and drive cleat duct connection

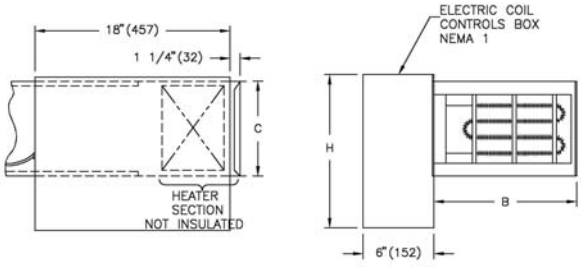
Assembly UL1995 & CSA236 certified

Liner FG50

Internal Insulation – Fiberglass 1/2" (13mm) thick, min. 1.5# density, meets requirements of NFPA90A and UL 181. R-Value = 1.9



Electric Coil



Unit Size	B	C	H
7	12	10	12
8	12	10	12
12	16	15	17

Standard Coil Notes

- Automatic reset thermal cutout
- Manual reset thermal cutout
- Hinged access door
- Refer to submitted control diagrams for standard control components to be supplied
- 24 VAC / 50 VAC Class 2 Transformer
- Low watt density elements, high grade nickel-chrome alloy
- Air flow switch
- Single point electrical connection
- Magnetic Contactors

Electrical Configuration

Supply Voltage:

- 480/3ø (3 Wire)

Stages/Control: SCRV

- SCR voltage control with 0-10 VDC control signal
- SCR-112 (3 Phase SCR, 10 Amps Max / 480 Volts Max)

Selected Coil Features

- FUS - Main line fusing
- IDSW - Door Interlock Disconnect

PROJECT: HONDA TERMINAL UNITS **SUBMITTAL NO:** 258148-A **SUBMITTAL DATE:** 1/17/2014
ENGINEER: **CUSTOMER:**
DESCRIPTION: Single Duct - DDC By Others
SDV5//I/2000/7,8,12/FLD/CFM//EC/3.0,4.5,8.0/480-3/SCRV/IDSW/FUS///////FG50///PS/////////////////////SCR-112/

All metric dimensions () are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.