



SUBMITTAL SHEET

Edifice, LLC
NC4205 . - CMS Grier Elementary School

Project: NC4205 .
CMS Grier Elementary School
7515 The Plaza
Charlotte, NC
28215

Spec Section Num: 233600
Submittal: 233600.001
Revision: 0
Package:
Date: 4/20/2022 EDT

Submittal Title: Air Terminal Units Product Data
Submittal Detail:
Response Due By:


Contractor:

Contractor's Stamp

THIS REVIEW IS FOR GENERAL COMPLIANCE WITH THE DESIGN CONCEPT THE SUBCONTRACTOR / VENDOR IS RESPONSIBLE FOR DIMENSIONS TO BE CONFIRMED AND COORDINATED IN THE FIELD AND REMAINS RESPONSIBLE FOR VERIFICATION OF ALL QUANTITIES. EDIFICE IS NOT RESPONSIBLE FOR ANY DEVIATION FROM THE CONTRACT DOCUMENTS. DEVIATIONS AND / OR SUBSTITUTIONS MUST BE CLEARLY IDENTIFIED. APPROVAL OF ANY DEVIATIONS / SUBSTITUTIONS MUST BE MADE BY OWNER OR DESIGN TEAM.

Architect:

Architect's Stamp

SHOP DRAWING REVIEW 

NO EXCEPTION TAKEN
 APPROVED AS NOTED
 REVISE AND RESUBMIT
 REJECTED

REVIEW IS FOR GENERAL COMPLIANCE WITH THE INTENT OF THE CONTRACT DOCUMENTS. MECHANICAL CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR CORRECTNESS, DIMENSIONS, DETAILS, QUANTITIES AND ALL COST ASSOCIATED WITH SUBSTITUTED EQUIPMENT, INCLUDING MAINTENANCE ACCESS, CLEARANCES, BUILDING ALTERATIONS, REPLACEMENT OF OTHER SYSTEM COMPONENTS, ETC.

BY Bill Nord DATE 4/27/2022

Response:
Comment:

-Contractor to review RH/LH requirements as indicated on drawings and as part of BIM coordination.

-Verify compliance with DDC controller provided to VAV box manufacturer for Factory Mounting.

-Bill Nord Optima Engineering



SINGLE DUCT VAV SUBMITTAL

Project

CMS Grier, Hidden Valley, Newell Elementary School Relief

Date

Tuesday, April 12, 2022

Mechanical Engineer

Optima Engineering

Mechanical Contractor

Superior Mechanical Systems, Inc.

In accordance with Specification Section 233600

AIR TERMINAL UNITS

Notes:

1. Controls to be Factory Mounted and Installed, but provided by controls contractor
2. Sensors to be provided by controls contractor
3. Unit handing to be determined with contractor

VAV BOX SCHEDULE

Unit Tag	Model	Controller	Unit Size/Inlet	Reheat Type	Handing (Left/Right)	Primary Max Airflow (CFM)	Primary Min Airflow (CFM)	Inlet Pressure (in wg)	Discharge Pressure (in wg)	Heating Capacity (MBH)	Heating Coil APD (in wg)	Reheat Fluid Rows	Heating Coil EAT (F)	Heating Coil LAT (F)	Htg Airflow (CFM)	Heating Coil Fluid Flow (gpm)	Heating Coil EWT (F)	Heating Coil LWT (F)	Htg Fluid Pressure Drop (ft wg)	Min Unit Static Pressure (in wg)	Rad Fan NC	Disch Fan NC
VAV-1.01	35E	Factory Installed Controls by Others	5 Inch (62 - 360 CFM)	Water Reheat		250	70	1.00	0.20	5.53	0.05	1 Row	55	94.4	130	1.0	160	148.7	0.54	0.15	13	24
VAV-1.02	35E	Factory Installed Controls by Others	12 Inch (357 - 2060 CFM)	Water Reheat		1455	370	1.00	0.20	28.18	0.39	2 Rows	55	90.8	730	1.2	160	111.9	0.35	0.47	18	20
VAV-1.03	35E	Factory Installed Controls by Others	12 Inch (357 - 2060 CFM)	Water Reheat		1515	380	1.00	0.20	29.49	0.41	2 Rows	55	90.9	760	1.3	160	113.6	0.41	0.50	20	21
VAV-1.04	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		1030	260	1.00	0.20	20.41	0.37	2 Rows	55	91.3	520	1.0	160	118.2	0.20	0.45	11	19
VAV-1.05	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		1210	310	1.00	0.20	21.61	0.49	2 Rows	55	87.8	610	1.0	160	115.8	0.20	0.61	14	20
VAV-1.06	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		1030	260	1.00	0.20	20.41	0.37	2 Rows	55	91.3	520	1.0	160	118.2	0.20	0.45	11	19
VAV-1.07	35E	Factory Installed Controls by Others	12 Inch (357 - 2060 CFM)	Water Reheat		1490	380	1.00	0.20	29.34	0.40	2 Rows	55	91.2	750	1.3	160	113.8	0.41	0.49	20	20
VAV-1.08	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		1030	260	1.00	0.20	20.41	0.37	2 Rows	55	91.3	520	1.0	160	118.2	0.20	0.45	11	19
VAV-1.09	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		1160	290	1.00	0.20	21.23	0.45	2 Rows	55	88.9	580	1.0	160	116.5	0.20	0.56	13	20
VAV-1.10	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	None		500	150	1.00	0.20	0.00	0.00	None	55	0.0	0	0.0	0	0.00	0.00	0.02	1	12
VAV-1.11	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		1180	300	1.00	0.20	21.36	0.47	2 Rows	55	88.5	590	1.0	160	116.3	0.20	0.58	13	20
VAV-2.01	35E	Factory Installed Controls by Others	5 Inch (62 - 360 CFM)	Water Reheat		250	70	1.00	0.20	5.53	0.05	1 Row	55	94.4	130	1.0	160	148.7	0.54	0.15	13	24
VAV-2.02	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		1010	260	1.00	0.20	20.26	0.35	2 Rows	55	91.8	510	1.0	160	118.5	0.20	0.44	10	19
VAV-2.03	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		1130	290	1.00	0.20	21.10	0.43	2 Rows	55	89.3	570	1.0	160	116.8	0.20	0.54	12	20
VAV-2.04	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	None		500	150	1.00	0.20	0.00	0.00	None	55	0.0	0	0.0	0	0.00	0.00	0.02	1	12
VAV-2.05	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		1100	280	1.00	0.20	20.83	0.41	2 Rows	55	90.1	550	1.0	160	117.4	0.20	0.51	12	20
VAV-2.06	35E	Factory Installed Controls by Others	12 Inch (357 - 2060 CFM)	Water Reheat		1440	360	1.00	0.20	28.04	0.38	2 Rows	55	91.1	720	1.2	160	112.2	0.35	0.46	18	20
VAV-2.07	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		1060	270	1.00	0.20	20.55	0.39	2 Rows	55	90.9	530	1.0	160	117.9	0.20	0.48	11	19
VAV-2.08	35E	Factory Installed Controls by Others	12 Inch (357 - 2060 CFM)	Water Reheat		1440	360	1.00	0.20	28.04	0.38	2 Rows	55	91.1	720	1.2	160	112.2	0.35	0.46	18	20
VAV-2.09	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		900	230	1.00	0.20	19.30	0.29	2 Rows	55	94.7	450	1.0	160	120.5	0.20	0.36	8	18
VAV-2.10	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		1060	270	1.00	0.20	20.55	0.39	2 Rows	55	90.9	530	1.0	160	117.9	0.20	0.48	11	19
VAV-2.11	35E	Factory Installed Controls by Others	12 Inch (357 - 2060 CFM)	Water Reheat		1420	360	1.00	0.20	27.90	0.37	2 Rows	55	91.4	710	1.2	160	112.4	0.35	0.45	18	20
VAV-3.01	35E	Factory Installed Controls by Others	5 Inch (62 - 360 CFM)	Water Reheat		155	40	1.00	0.20	4.48	0.02	1 Row	55	106.9	80	1.0	160	150.8	0.54	0.06	7	13
VAV-3.02	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	None		500	150	1.00	0.20	0.00	0.00	None	55	0.0	0	0.0	0	0.00	0.00	0.02	1	12
VAV-3.03	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		600	150	1.00	0.20	10.25	0.07	1 Row	55	86.6	300	1.0	160	139.0	0.22	0.10	2	13
VAV-3.04	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	None		500	150	1.00	0.20	0.00	0.00	None	55	0.0	0	0.0	0	0.00	0.00	0.02	1	12
VAV-3.05	35E	Factory Installed Controls by Others	8 Inch (159 - 920 CFM)	Water Reheat		395	100	1.00	0.20	7.67	0.07	1 Row	55	90.5	200	1.0	160	144.3	0.75	0.10	13	16
VAV-3.06	35E	Factory Installed Controls by Others	5 Inch (62 - 360 CFM)	Water Reheat		175	50	1.00	0.20	4.73	0.03	1 Row	55	103.7	90	1.0	160	150.3	0.54	0.08	8	16
VAV-3.07	35E	Factory Installed Controls by Others	6 Inch (89 - 515 CFM)	Water Reheat		310	80	1.00	0.20	5.99	0.08	1 Row	55	89.7	160	1.0	160	147.7	0.54	0.14	14	19
VAV-3.08	35E	Factory Installed Controls by Others	8 Inch (159 - 920 CFM)	Water Reheat		375	100	1.00	0.20	7.52	0.06	1 Row	55	91.7	190	1.0	160	144.6	0.75	0.09	12	16
VAV-3.09	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		595	150	1.00	0.20	10.25	0.07	1 Row	55	86.6	300	1.0	160	139.0	0.22	0.10	2	13
VAV-3.10	35E	Factory Installed Controls by Others	8 Inch (159 - 920 CFM)	Water Reheat		625	160	1.00	0.20	15.13	0.30	2 Rows	55	98.8	320	1.0	160	129.0	0.36	0.38	18	21
VAV-3.11	35E	Factory Installed Controls by Others	5 Inch (62 - 360 CFM)	Water Reheat		225	60	1.00	0.20	5.36	0.04	1 Row	55	96.3	120	1.0	160	149.0	0.54	0.12	12	21
VAV-3.12	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		710	180	1.00	0.20	17.56	0.19	2 Rows	55	100.2	360	1.0	160	124.1	0.20	0.23	5	15
VAV-3.13	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		760	190	1.00	0.20	17.99	0.21	2 Rows	55	98.8	380	1.0	160	123.2	0.20	0.26	5	15
VAV-3.14	35E	Factory Installed Controls by Others	6 Inch (89 - 515 CFM)	Water Reheat		320	80	1.00	0.20	5.99	0.08	1 Row	55	89.7	160	1.0	160	147.7	0.54	0.14	14	19
VAV-3.15	35E	Factory Installed Controls by Others	6 Inch (89 - 515 CFM)	Water Reheat		260	70	1.00	0.20	5.53	0.06	1 Row	55	94.4	130	1.0	160	148.7	0.54	0.10	12	16
VAV-3.16	35E	Factory Installed Controls by Others	8 Inch (159 - 920 CFM)	Water Reheat		400	100	1.00	0.20	7.67	0.07	1 Row	55	90.5	200	1.0	160	144.3	0.75	0.10	13	16
VAV-3.17	35E	Factory Installed Controls by Others	8 Inch (159 - 920 CFM)	Water Reheat		620	160	1.00	0.20	14.91	0.29	2 Rows	55	99.6	310	1.0	160	129.5	0.36	0.37	18	21
VAV-3.18	35E	Factory Installed Controls by Others	8 Inch (159 - 920 CFM)	Water Reheat		460	120	1.00	0.20	8.07	0.09	1 Row	55	87.5	230	1.0	160	143.5	0.75	0.13	14	19
VAV-4.01	35E	Factory Installed Controls by Others	8 Inch (159 - 920 CFM)	Water Reheat		390	100	1.00	0.20	7.67	0.07	1 Row	55	90.5	200	1.0	160	144.3	0.75	0.10	13	16
VAV-4.02	35E	Factory Installed Controls by Others	6 Inch (89 - 515 CFM)	Water Reheat		310	80	1.00	0.20	6.02	0.08	1 Row	55	89.8	160	1.0	160	148.0	0.57	0.14	14	19
VAV-4.03	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		1200	300	1.00	0.20	21.48	0.48	2 Rows	55	88.2	600	1.0	160	116.0	0.20	0.60	14	20
VAV-4.04	35E	Factory Installed Controls by Others	12 Inch (357 - 2060 CFM)	Water Reheat		1610	410	1.00	0.20	31.03	0.46	2 Rows	55	90.5	810	1.4	160	114.6	0.46	0.56	20	21
VAV-4.05	35E	Factory Installed Controls by Others	6 Inch (89 - 515 CFM)	Water Reheat		350	90	1.00	0.20	6.26	0.09	1 Row	55	87.2	180	1.0	160	147.2	0.54	0.17	16	20
VAV-4.06	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		690	180	1.00	0.20	17.34	0.18	2 Rows	55	100.9	350	1.0	160	124.5	0.20	0.22	4	14
VAV-4.07	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		900	230	1.00	0.20	19.30	0.29	2 Rows	55	94.7	450	1.0	160	120.5	0.20	0.36	8	18
VAV-4.08	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		890	230	1.00	0.20	19.30	0.28	2 Rows	55	94.7	450	1.0	160	120.5	0.20	0.35	8	18
VAV-4.09	35E	Factory Installed Controls by Others	8 Inch (159 - 920 CFM)	Water Reheat		500	130	1.00	0.20	13.44	0.20	2 Rows	55	104.8	250	1.0	160	132.5	0.36	0.25	16	19
VAV-7.01	35E	Factory Installed Controls by Others	5 Inch (62 - 360 CFM)	Water Reheat		250	70	1.00	0.20	5.53	0.05	1 Row	55	94.4	130	1.0	160	148.7	0.54	0.15	13	24
VAV-7.02	35E	Factory Installed Controls by Others	12 Inch (357 - 2060 CFM)	Water Reheat		1445	370	1.00	0.20	28.18	0.38	2 Rows	55	90.8	730	1.2	160	111.9	0.35	0.46	18	20
VAV-7.03	35E	Factory Installed Controls by Others	12 Inch (357 - 2060 CFM)	Water Reheat		1430	360	1.00	0.20	28.04	0.37	2 Rows	55	91.1	720	1.2	160	112.2	0.35	0.45	18	20
VAV-7.04	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		960	240	1.00	0.20	19.79	0.32	2 Rows	55	93.2	480	1.0	160	119.5	0.20	0.40	9	18
VAV-7.05	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		1200	300	1.00	0.20	21.48	0.48	2 Rows	55	88.2	600	1.0	160	116.0	0.20	0.60	14	20
VAV-7.06	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		960	240	1.00	0.20	19.79	0.32	2 Rows	55	93.2	480	1.0	160	119.5	0.20	0.40	9	18
VAV-7.07	35E	Factory Installed Controls by Others	12 Inch (357 - 2060 CFM)	Water Reheat		1360	340	1.00	0.20	26.55	0.34	2 Rows	55	91.2	680	1.1	160	110.6	0.30	0.41	18	18
VAV-7.08	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		1080	270	1.00	0.20	20.69	0.40	2 Rows	55	90.5	540	1.0	160	117.6	0.20	0.49	12	19
VAV-7.09	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		1195	300	1.00	0.20	21.48	0.48	2 Rows	55	88.2	600	1.0	160	116.0	0.20	0.59	13	20
VAV-7.10	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		960																

VAV BOX SCHEDULE

Unit Tag	Model	Controller	Unit Size/Inlet	Reheat Type	Handing (Left/Right)	Primary Max Airflow (CFM)	Primary Min Airflow (CFM)	Inlet Pressure (in wg)	Discharge Pressure (in wg)	Heating Capacity (MBH)	Heating Coil APD (in wg)	Reheat Fluid Rows	Heating Coil EAT (F)	Heating Coil LAT (F)	Htg Airflow (CFM)	Heating Coil Fluid Flow (gpm)	Heating Coil EWT (F)	Heating Coil LWT (F)	Htg Fluid Pressure Drop (ft wg)	Min Unit Static Pressure (in wg)	Rad Fan NC	Disch Fan NC
VAV-7.11	35E	Factory Installed Controls by Others	12 Inch (357 - 2060 CFM)	Water Reheat		1360	340	1.00	0.20	26.55	0.34	2 Rows	55	91.2	680	1.1	160	110.6	0.30	0.41	18	18
VAV-7.12	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		960	240	1.00	0.20	19.79	0.32	2 Rows	55	93.2	480	1.0	160	119.5	0.20	0.40	9	18
VAV-7.13	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	None		500	150	1.00	0.20	0.00	0.00	None	55	0.0	0	0.0	0	0.0	0.00	0.02	1	12
VAV-7.14	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		1200	300	1.00	0.20	21.48	0.48	2 Rows	55	88.2	600	1.0	160	116.0	0.20	0.60	14	20
VAV-7.15	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		720	180	1.00	0.20	17.56	0.19	2 Rows	55	100.2	360	1.0	160	124.1	0.20	0.24	5	15
VAV-7.16	35E	Factory Installed Controls by Others	6 Inch (89 - 515 CFM)	Water Reheat		325	90	1.00	0.20	6.13	0.08	1 Row	55	88.4	170	1.0	160	147.5	0.54	0.15	14	19
VAV-7.17	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		1080	270	1.00	0.20	20.69	0.40	2 Rows	55	90.5	540	1.0	160	117.6	0.20	0.49	12	19
VAV-8.01	35E	Factory Installed Controls by Others	5 Inch (62 - 360 CFM)	Water Reheat		250	70	1.00	0.20	5.53	0.05	1 Row	55	94.4	130	1.0	160	148.7	0.54	0.15	13	24
VAV-8.02	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		995	250	1.00	0.20	20.11	0.34	2 Rows	55	92.2	500	1.0	160	118.8	0.20	0.43	10	19
VAV-8.03	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	None		500	150	1.00	0.20	0.00	0.00	None	55	0.0	0	0.0	0	0.00	0.02	1	12	
VAV-8.04	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		1225	310	1.00	0.20	22.55	0.50	2 Rows	55	88.7	620	1.1	160	118.0	0.24	0.62	14	20
VAV-8.05	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		1200	300	1.00	0.20	21.48	0.48	2 Rows	55	88.2	600	1.0	160	116.0	0.20	0.60	14	20
VAV-8.06	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		1080	270	1.00	0.20	20.69	0.40	2 Rows	55	90.5	540	1.0	160	117.6	0.20	0.49	12	19
VAV-8.08	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		1080	270	1.00	0.20	20.69	0.40	2 Rows	55	90.5	540	1.0	160	117.6	0.20	0.49	12	19
VAV-8.09	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		1195	300	1.00	0.20	21.48	0.48	2 Rows	55	88.2	600	1.0	160	116.0	0.20	0.59	13	20
VAV-8.10	35E	Factory Installed Controls by Others	12 Inch (357 - 2060 CFM)	Water Reheat		1845	470	1.00	0.20	34.27	0.59	2 Rows	55	89.1	930	1.6	160	116.2	0.59	0.72	22	23
VAV-8.11	35E	Factory Installed Controls by Others	12 Inch (357 - 2060 CFM)	Water Reheat		1380	350	1.00	0.20	27.61	0.35	2 Rows	55	92.0	690	1.2	160	112.9	0.35	0.43	18	18
VAV-8.12	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		960	240	1.00	0.20	19.79	0.32	2 Rows	55	93.2	480	1.0	160	119.5	0.20	0.40	9	18
VAV-8.13	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		1195	300	1.00	0.20	21.48	0.48	2 Rows	55	88.2	600	1.0	160	116.0	0.20	0.59	13	20
VAV-8.14	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		960	240	1.00	0.20	19.79	0.32	2 Rows	55	93.2	480	1.0	160	119.5	0.20	0.40	9	18
VAV-8.15	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		1080	270	1.00	0.20	20.69	0.40	2 Rows	55	90.5	540	1.0	160	117.6	0.20	0.49	12	19
VAV-8.16	35E	Factory Installed Controls by Others	12 Inch (357 - 2060 CFM)	Water Reheat		1830	460	1.00	0.20	33.34	0.58	2 Rows	55	88.6	920	1.5	160	114.5	0.52	0.71	22	23
VAV-8.17	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	None		500	150	1.00	0.20	0.00	0.00	None	55	0.0	0	0.0	0	0.00	0.02	1	12	
VAV-8.18	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		960	240	1.00	0.20	19.79	0.32	2 Rows	55	93.2	480	1.0	160	119.5	0.20	0.40	9	18
VAV-9.01	35E	Factory Installed Controls by Others	8 Inch (159 - 920 CFM)	Water Reheat		500	130	1.00	0.20	13.44	0.20	2 Rows	55	104.8	250	1.0	160	132.5	0.36	0.25	16	19
VAV-9.02	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		900	230	1.00	0.20	19.30	0.29	2 Rows	55	94.7	450	1.0	160	120.5	0.20	0.36	8	18
VAV-9.03	35E	Factory Installed Controls by Others	12 Inch (357 - 2060 CFM)	Water Reheat		1810	460	1.00	0.20	33.21	0.57	2 Rows	55	88.8	910	1.5	160	114.7	0.52	0.70	22	23
VAV-9.04	35E	Factory Installed Controls by Others	12 Inch (357 - 2060 CFM)	None		1000	300	1.00	0.20	0.00	0.00	None	55	0.0	0	0.0	0	0.00	0.04	13	14	
VAV-9.05	35E	Factory Installed Controls by Others	14 Inch (486 - 2800 CFM)	Water Reheat		1995	500	1.00	0.20	40.28	0.34	2 Rows	55	92.3	1000	1.7	160	111.5	0.44	0.43	14	21
VAV-9.06	35E	Factory Installed Controls by Others	10 Inch (248 - 1430 CFM)	Water Reheat		750	190	1.00	0.20	17.99	0.21	2 Rows	55	98.8	380	1.0	160	123.2	0.20	0.26	5	15

HVAC Guide Specifications

Single-Duct VAV Terminal Unit

Size Range:

Nominal 23 to 7100 cfm

Carrier Model Number:

35EA (Analog Control)

35EC (Carrier Comfort Network® [CCN] Variable Air Volume [VAV] Electronic Control)

35ED (BACnet* VAV Electronic Controls)

35EN (No Control or direct digital controls [DDC] by Others)

35EP (Pneumatic Control)

35EV (CCN Variable Volume and Temperature [VVT] Electronic Control)

35EB (BACnet VVT Electronic Controls)

Part 1 — General

1.01 SYSTEM DESCRIPTION:

Factory-assembled, externally powered, variable air volume control terminal. Unit shall be complete with a damper assembly, flow sensor, externally mounted volume controller, collars for duct connection, and all required features. Control box shall be clearly marked with an identification label that lists such information as nominal cfm, maximum and minimum airflow limits, coil-type and coil hand, where applicable.

1.02 QUALITY ASSURANCE

- A. Insulation shall meet National Fire Protection Association (NFPA) 90A requirements for flame spread and smoke generation and Underwriters Laboratory (UL) 181 requirements for anti-erosion, corrosion, and fungus properties.
- B. Hot water coils, when specified, shall be tested for leakage at 250 psig with the coil submerged in water.
- C. Electric heating coils, when specified, shall be UL or Engineering Testing Laboratory (ETL) listed and designed to comply with UL Standard 1096.
- D. Sound power levels shall be Air-Conditioning, Heating, and Refrigeration Institute (AHRI) certified in accordance with the requirements of AHRI 880.

Part 2 — Products

2.01 EQUIPMENT

A. General:

Factory-assembled, externally powered, variable air volume control terminal. Unit shall be complete with a damper assembly, flow sensor, externally mounted volume controller, collars for duct connection and all required features. Control box shall be clearly marked with an identification label that lists such information as nominal cfm, maximum and minimum airflow limits, coil-type and coil hand, balancing chart, and tagging data, where applicable.

B. Unit Cabinet:

Constructed of 22-gage galvanized steel with round or rectangular inlet collar and rectangular discharge with slip and drive connection. All primary air inlet collars shall accommodate standard flex duct sizes

C. Insulation:

1. Standard casing shall be lined with ½-in. thick, ½-lb dual-density fiberglass insulation that meets UL 181 and NFPA 90A. Insulation shall be attached to the unit casing by adhesive and weld pins.
2. **STERILINER INSULATION:** Unit casing shall be lined with 13/16-in. thick, 4-lb density, rigid-board insulation with nylon-reinforced foil covering insulation fibers that meets UL 181 and NFPA 90A. Liner shall be attached to unit casing by adhesive and weld pins with full-seam-length Z-strips to enclose and seal the insulation cut edges.

D. Damper Assembly:

The control air damper assembly shall be constructed of heavy gage galvanized steel with ½-in. solid shaft rotating in Delrin† bearings. Damper shaft shall be marked on the end to indicate damper position. Damper blade shall incorporate a flexible gasket for tight airflow shutoff and operate over a full 90 degrees.

E. Controls:

Guide Specification

Project: CMS Grier, Hidden Valley, Newell ES Relief
Prepared By: Paul Shelor

04/12/2022
07:25AM

1. The unit shall be equipped with an amplified flow probe located in the unit inlet. Air flow for the pressure independent controller (supplied by others) shall be determined with a factory-supplied 12-point total pressure, center-averaging cross flow sensor, having a magnification resulting in no greater than 2625 fpm at 1 in. developed signal.
- F. Special Features:
1. Hot Water Heating Coil:
Coil shall be mounted in a minimum 20-ga. galvanized steel casing with slip and drive discharge connections and factory mounted on the base unit as shown on the equipment drawings. Coils shall have:
 - a. Aluminum fins (10 ft per in.) bonded to the copper tubes by mechanical expansion.
 - b. Number of coil rows and circuits shall be selected to provide performance as required by the plans.
 - c. Up to 4 rows as shown on equipment drawings or designed on the equipment schedule. Right or left-hand fittings with sweat connection sizes as indicated on equipment drawings.

* BACnet is a registered trademark of ASHRAE (American Society of Heating, Refrigerating, and Air Conditioning Engineers).

Table Of Contents

Project: CMS Grier-HV-Newell Relief
Prepared By: Paul Shelor

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5 IN VAV INLET HW REHEAT

Project: CMS Grier-HV-Newell Relief
Prepared By: Paul Shelor

04/12/2022
07:29AM

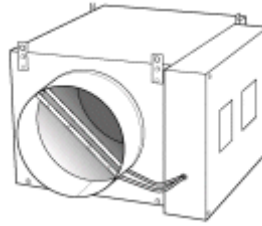
5 IN VAV INLET HW REHEAT

**Tag Cover Sheet
Unit Report
Certified Drawing**

Unit Report For 5 IN VAV INLET HW REHEAT

Project: CMS Grier-HV-Newell Relief
 Prepared By: Paul Shelor

04/12/2022
 07:29AM



Unit Parameters

Tag Name: **5 IN VAV INLET HW REHEAT**
 Quantity: **7**
 Model Type: **Field or Factory Installed Controls by Others**
 Model: **35E Single Duct Terminals**
 Unit and Inlet Size: **5 Inch (62 - 360 CFM)**
 Part Number: **35EN3021R050DXX00000SDH0W1100000.OP0000025000700130**
 Reheat Option: **Water Reheat**
 Insulation Lining: **Steriliner**

Dimensions

Unit Depth: **20.5** in
 Unit Width: **12.0** in
 Unit Height: **8.0** in
 Unit Operating Weight : **28** lb

*** Weights and Dimensions are approximate. Weight does not include curbs and accessories. Approximate dimensions are provided primarily for shipping purposes. For exact dimensions, refer to certified drawings.

Warranty Information

1 Year Parts Only Warranty


Ordering Information

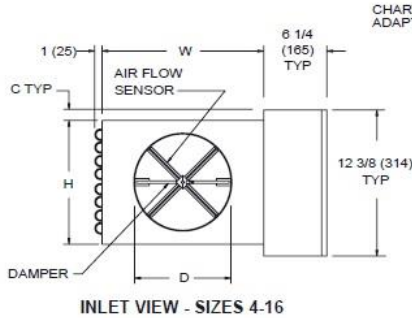
Part Number	Description	Quantity
Base Unit		
35EN3021R050DXX00000SDH0W1100000.OP0000025000700130	35E Single Duct Terminals	7
	Base Unit	
	Steriliner	
	22 Gauge, Right Hand Ctrl, w/Access Panel	
	DXX0: Factory Installed Controls Provided by Others	
	1 Row/Right	
	LineaCross (4 quadrant)	
	Hangers	
	Non-Fused Disconnect For Controls	
	120-24 Vac Transformer	
	Water Coil Vent & Drain	
Accessories		

Certified Drawing for 5 IN VAV INLET HW REHEAT

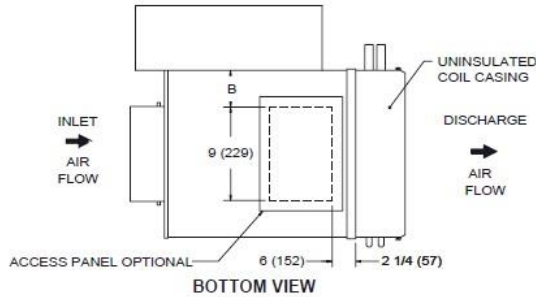
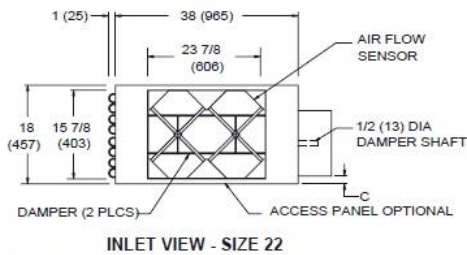
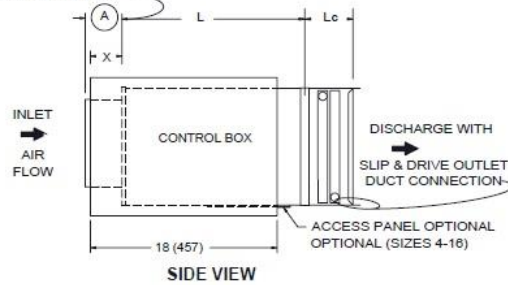
Project: CMS Grier-HV-Newell Relief
Prepared By: Paul Shelor

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CATALOG #					



CHARTED 'A' DIMENSION INCLUDES INLET ADAPTER PROVIDED ON SIZES 4 & 5



STANDARD FEATURES:

- 22 Ga. Zinc coated steel construction.
- NEMA 1 steel control enclosure for electronic components
- 1/2" thick dual density fiberglass insulation meeting NFPA 90A and UL 181 safety requirements.
- Four quadrant averaging cross flow sensor
- Hot water coils. See form TS0005 for dimensions and specifications
- Variety of analog and digital control packages for pressure independent systems.
- AHRI certified sound ratings

NOTE: Right hand configuration shown, left hand available.

DIMENSIONS ARE GIVEN AS INCHES (MM)

OPTIONAL FEATURES:

- 20 Ga. Zinc coated steel construction
- Liners:
 - 1/2" dual density fiberglass
 - 1" dual density fiberglass
 - Perforated double wall 1/2"
 - Perforated double wall 1"
 - 1/2" Cellular - fibre free
 - None
 - Steriliner
 - Sterilwall 1/2"
 - Sterilwall 1"
 - 1" Cellular - fibre free
- Linear averaging sensor.
- Disconnect switch for electronic controls
- 24 volt transformer.
- Left hand controls.
- Left hand water coil connection
- Dust tight control enclosure
- Bottom access panel (not available in size 22)
- Cam lock bottom access panel (not available in size 22)
- Right Hand Controls
- Right Hand Water Coil Connection
- Hanger Brackets

INLET SIZE	NOM MAX CFM (L/s)	L	W	H	A	B	C	D	X
4	230 (109)	15 1/2 (394)	12 (305)	8 (203)	5 3/8 (136)	1 1/2 (38)	2 1/8 (54)	3 7/8 (98)	7 1/4 (184)
5	360 (170)	15 1/2 (394)	12 (305)	8 (203)	5 3/8 (136)	1 1/2 (38)	2 1/8 (54)	4 7/8 (124)	7 1/4 (184)
6	520 (245)	15 1/2 (394)	12 (305)	8 (203)	3 3/8 (86)	1 1/2 (38)	2 1/8 (54)	5 7/8 (149)	7 1/4 (184)
7	710 (335)	15 1/2 (394)	12 (305)	10 (254)	3 3/8 (86)	1 1/2 (38)	1 1/8 (29)	6 7/8 (175)	7 1/4 (184)
8	925 (437)	15 1/2 (394)	12 (305)	10 (254)	3 3/8 (86)	1 1/2 (38)	1 1/8 (29)	7 7/8 (200)	7 1/4 (184)
9	1200 (566)	15 1/2 (394)	14 (356)	12 1/2 (318)	3 3/8 (86)	2 1/2 (64)	-	8 7/8 (225)	5 1/4 (133)
10	1450 (685)	15 1/2 (394)	14 (356)	12 1/2 (318)	3 3/8 (86)	2 1/2 (64)	-	9 7/8 (251)	5 1/4 (133)
12	2100 (991)	15 1/2 (394)	16 (406)	15 (381)	3 3/8 (86)	3 1/2 (89)	-	11 7/8 (302)	5 1/4 (133)
14	2900 (1369)	15 1/2 (394)	20 (508)	17 1/2 (445)	3 3/8 (86)	5 1/2 (140)	-	13 7/8 (352)	3 1/4 (83)
16	3700 (1746)	15 1/2 (394)	24 (610)	18 (457)	3 3/8 (86)	7 1/2 (191)	-	15 7/8 (403)	3 1/4 (83)
22	7100 (3351)	15 (381)	38 (965)	18 (457)	4 1/4 (108)	NA	1 1/8 (29)	SEE ABOVE	5 1/4 (133)

JOB NAME	JOB NUMBER	LOCATION	DRAWING NUMBER
BUYER	BUYER #	REVISION C	SHEET 1 OF 1
			35E-202-3


PRODUCT INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

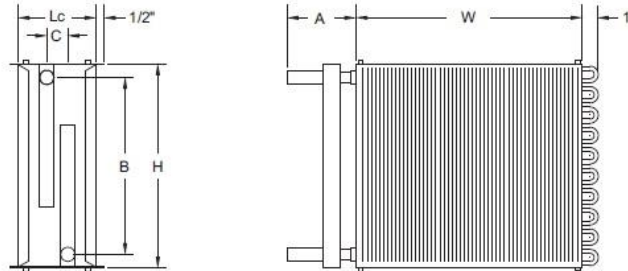
09/03/2021

Certified Drawing for 5 IN VAV INLET HW REHEAT

Project: CMS Grier-HV-Newell Relief
Prepared By: Paul Shelor

04/12/2022
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CATALOG #					



- NOTES:**
1. 35E coils are shipped from the factory attached to the unit discharge. Coil discharge is configured for slip and drive field ductwork installation. Coil section is uninsulated. Coils are not for steam applications.
 2. CONNECTION TUBING – 0.032-in. thick copper, male solder connection. Refer to connection diameter shown in the table below.
 3. COIL CASING – 20-gage galvanized steel
 4. COIL TUBING – ½ in. OD x 0.016-in. thick copper
 5. COIL FINNS – 0.0045-in. thick aluminum, 10 per inch, mechanically bonded to tubing.
 6. COILS ACCESSORIES – optional air vent and drain
 7. Unit dimensions given in inches

35E UNIT SIZE	NO. OF ROWS IN COILS	H	W	Lc	A	B	C	WATER CONN (OD)
04, 05, 06	1 Row	7 7/8	12	5	3	6 1/4	-	1/2
	2 Row	7 7/8	12	5	3	6 1/4	-	5/8
	3 Row	7 7/8	12	7 1/4	4 1/4	5 7/8	2 3/16	7/8
	4 Row	7 7/8	12	7 1/4	4 1/4	6 1/4	3 1/4	7/8
07, 08	1 Row	10 1/4	12	5	3	8 3/4	-	1/2
	2 Row	10 1/4	12	5	2 4/7	8 3/4	-	5/8
	3 Row	10 1/4	12	7 1/4	4 1/4	8 3/8	2 3/16	7/8
09, 10	4 Row	10 1/4	12	7 1/4	4 1/4	9	3 1/4	7/8
	1 Row	12 3/4	14	5	4 1/4	10 7/8	1 1/8	7/8
	2 Row	12 3/4	14	5	4 1/4	11 1/2	1 1/16	7/8
	3 Row	12 3/4	14	7 1/4	4 1/4	10 7/8	2 3/16	7/8
12	4 Row	12 3/4	14	7 1/4	4 1/4	11 1/2	3 1/4	7/8
	1 Row	15 1/4	16	5	4 1/4	13 3/8	1 1/8	7/8
	2 Row	15 1/4	16	5	4 1/4	14	1 1/16	7/8
	3 Row	15 1/4	16	7 1/4	4 1/4	13 3/8	2 3/16	7/8
14	4 Row	15 1/4	16	7 1/4	4 1/4	14	3 1/4	7/8
	1 Row	17 3/4	20	7 1/2	4 1/4	15 7/8	1 1/8	7/8
	2 Row	17 3/4	20	7 1/2	4 1/4	16 1/2	1 1/16	7/8
	3 Row	17 3/4	20	9 3/4	4 1/4	15 7/8	2 3/16	7/8
16	4 Row	17 3/4	20	9 3/4	4 1/4	16 1/2	3 1/4	7/8
	1 Row	17 3/4	24	7 1/2	4 1/4	15 7/8	1 1/8	7/8
	2 Row	17 3/4	24	7 1/2	4 1/4	16 1/2	1 1/16	7/8
	3 Row	17 3/4	24	9 3/4	4 1/4	15 7/8	2 3/16	7/8
22	4 Row	17 3/4	24	9 3/4	4 1/4	16 1/2	3 1/4	7/8
	1 Row	17 3/4	38	5	4 1/4	15 7/8	1 1/8	7/8
	2 Row	17 3/4	38	5	4 1/4	16 1/2	1 1/16	7/8
	3 Row	17 3/4	38	7 1/4	4 1/4	15 7/8	2 3/16	7/8
22	4 Row	17 3/4	38	7 1/4	4 1/4	16 1/2	3 1/4	7/8

PRODUCT INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

03/25/2021

JOB NAME		JOB NUMBER		LOCATION		DRAWING NUMBER	
BUYER		BUYER #		REVISION B	SHEET 1 OF 1	35E-202-7	

6 IN VAV INLET HW REHEAT

Project: CMS Grier-HV-Newell Relief
Prepared By: Paul Shelor

04/12/2022
07:29AM

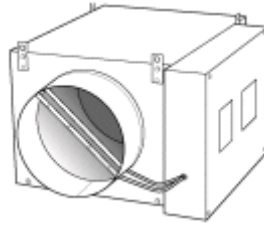
6 IN VAV INLET HW REHEAT

**Tag Cover Sheet
Unit Report
Certified Drawing**

Unit Report For 6 IN VAV INLET HW REHEAT

Project: CMS Grier-HV-Newell Relief
 Prepared By: Paul Shelor

04/12/2022
 07:29AM



Unit Parameters

Tag Name: **6 IN VAV INLET HW REHEAT**
 Quantity: **6**
 Model Type: **Field or Factory Installed Controls by Others**
 Model: **35E Single Duct Terminals**
 Unit and Inlet Size: **6 Inch (89 - 515 CFM)**
 Part Number: **35EN3021R060DXX00000SDH0W1100000.OP0000031000800160**
 Reheat Option: **Water Reheat**
 Insulation Lining: **Steriliner**

Dimensions

Unit Depth: **20.5** in
 Unit Width: **12.0** in
 Unit Height: **8.0** in
 Unit Operating Weight : **28** lb

*** Weights and Dimensions are approximate. Weight does not include curbs and accessories. Approximate dimensions are provided primarily for shipping purposes. For exact dimensions, refer to certified drawings.

Warranty Information

1 Year Parts Only Warranty


Ordering Information

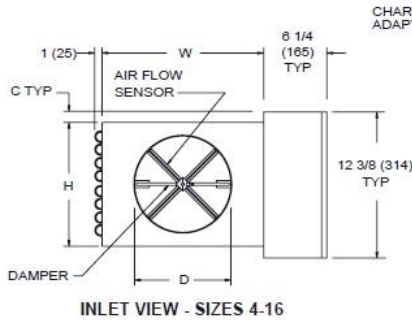
Part Number	Description	Quantity
Base Unit		
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	Base Unit	
	Steriliner	
	22 Gauge, Right Hand Ctrl, w/Access Panel	
	DXX0: Factory Installed Controls Provided by Others	
	1 Row/Right	
	LineaCross (4 quadrant)	
	Hangers	
	Non-Fused Disconnect For Controls	
	120-24 Vac Transformer	
	Water Coil Vent & Drain	
Accessories		

Certified Drawing for 6 IN VAV INLET HW REHEAT

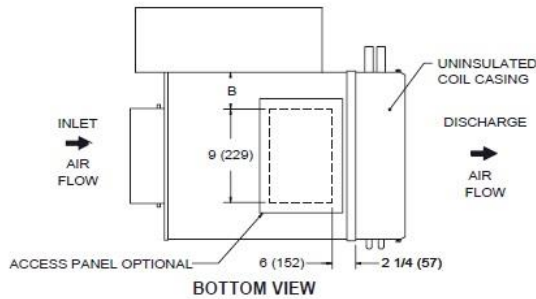
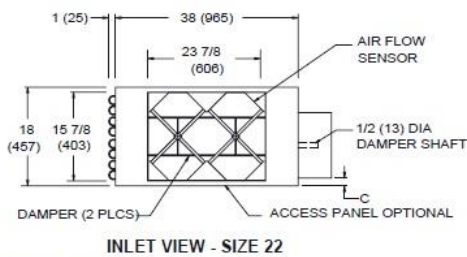
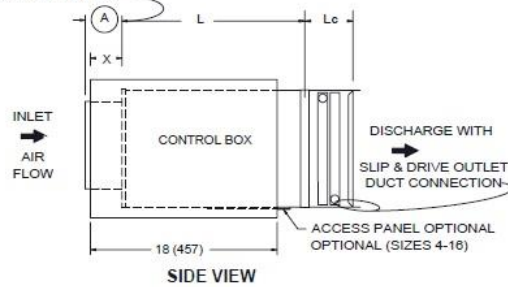
Project: CMS Grier-HV-Newell Relief
Prepared By: Paul Shelor

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CATALOG #					



CHARTED 'A' DIMENSION INCLUDES INLET ADAPTER PROVIDED ON SIZES 4 & 5



STANDARD FEATURES:

- 22 Ga. Zinc coated steel construction.
- NEMA 1 steel control enclosure for electronic components
- 1/2" thick dual density fiberglass insulation meeting NFPA 90A and UL 181 safety requirements.
- Four quadrant averaging cross flow sensor
- Hot water coils. See form TS0005 for dimensions and specifications
- Variety of analog and digital control packages for pressure independent systems.
- AHRI certified sound ratings

NOTE: Right hand configuration shown, left hand available.

DIMENSIONS ARE GIVEN AS INCHES (MM)

OPTIONAL FEATURES:

- 20 Ga. Zinc coated steel construction
- Liners:
 - 1/2" dual density fiberglass
 - 1" dual density fiberglass
 - Perforated double wall 1/2"
 - Perforated double wall 1"
 - 1/2" Cellular - fibre free
- Linear averaging sensor.
- Disconnect switch for electronic controls
- 24 volt transformer.
- Left hand controls.
- Left hand water coil connection
- Dust tight control enclosure
- Bottom access panel (not available in size 22)
- Cam lock bottom access panel (not available in size 22)
- None
- Steriliner
- Sterilwall 1/2"
- Sterilwall 1"
- 1" Cellular - fibre free
- Right Hand Controls
- Right Hand Water Coil Connection
- Hanger Brackets

INLET SIZE	NOM MAX CFM (L/s)	L	W	H	A	B	C	D	X
4	230 (109)	15 1/2 (394)	12 (305)	8 (203)	5 3/8 (136)	1 1/2 (38)	2 1/8 (54)	3 7/8 (98)	7 1/4 (184)
5	360 (170)	15 1/2 (394)	12 (305)	8 (203)	5 3/8 (136)	1 1/2 (38)	2 1/8 (54)	4 7/8 (124)	7 1/4 (184)
6	520 (245)	15 1/2 (394)	12 (305)	8 (203)	3 3/8 (86)	1 1/2 (38)	2 1/8 (54)	5 7/8 (149)	7 1/4 (184)
7	710 (335)	15 1/2 (394)	12 (305)	10 (254)	3 3/8 (86)	1 1/2 (38)	1 1/8 (29)	6 7/8 (175)	7 1/4 (184)
8	925 (437)	15 1/2 (394)	12 (305)	10 (254)	3 3/8 (86)	1 1/2 (38)	1 1/8 (29)	7 7/8 (200)	7 1/4 (184)
9	1200 (566)	15 1/2 (394)	14 (356)	12 1/2 (318)	3 3/8 (86)	2 1/2 (64)	-	8 7/8 (225)	5 1/4 (133)
10	1450 (685)	15 1/2 (394)	14 (356)	12 1/2 (318)	3 3/8 (86)	2 1/2 (64)	-	9 7/8 (251)	5 1/4 (133)
12	2100 (991)	15 1/2 (394)	16 (406)	15 (381)	3 3/8 (86)	3 1/2 (89)	-	11 7/8 (302)	5 1/4 (133)
14	2900 (1369)	15 1/2 (394)	20 (508)	17 1/2 (445)	3 3/8 (86)	5 1/2 (140)	-	13 7/8 (352)	3 1/4 (83)
16	3700 (1746)	15 1/2 (394)	24 (610)	18 (457)	3 3/8 (86)	7 1/2 (191)	-	15 7/8 (403)	3 1/4 (83)
22	7100 (3351)	15 (381)	38 (965)	18 (457)	4 1/4 (108)	NA	1 1/8 (29)	SEE ABOVE	5 1/4 (133)

JOB NAME	JOB NUMBER	LOCATION	DRAWING NUMBER
BUYER	BUYER #	REVISION C	SHEET 1 OF 1
			35E-202-3


PRODUCT INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

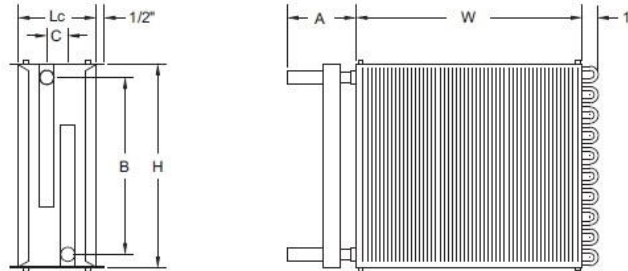
09/03/2021

Certified Drawing for 6 IN VAV INLET HW REHEAT

Project: CMS Grier-HV-Newell Relief
Prepared By: Paul Shelor

04/12/2022
07:29AM

CODE		THIS DOCUMENT IS THE PROPERTY OF CARRIER CORPORATION AND IS DELIVERED UPON THE EXPRESS CONDITION THAT THE CONTENTS WILL NOT BE DISCLOSED OR USED WITHOUT CARRIER CORPORATION'S WRITTEN CONSENT.	SUBMISSION OF THESE DRAWINGS OR DOCUMENTS DOES NOT CONSTITUTE PART PERFORMANCE OR ACCEPTANCE OF CONTRACT.	35E HOT WATER REHEAT COILS	35E
CATALOG #					



- NOTES:**
1. 35E coils are shipped from the factory attached to the unit discharge. Coil discharge is configured for slip and drive field ductwork installation. Coil section is uninsulated. Coils are not for steam applications.
 2. CONNECTION TUBING – 0.032-in. thick copper, male solder connection. Refer to connection diameter shown in the table below.
 3. COIL CASING – 20-gage galvanized steel
 4. COIL TUBING – ½ in. OD x 0.016-in. thick copper
 5. COIL FINNS – 0.0045-in. thick aluminum, 10 per inch, mechanically bonded to tubing.
 6. COILS ACCESSORIES – optional air vent and drain
 7. Unit dimensions given in inches

35E UNIT SIZE	NO. OF ROWS IN COILS	H	W	Lc	A	B	C	WATER CONN (OD)
04, 05, 06	1 Row	7 7/8	12	5	3	6 1/4	-	1/2
	2 Row	7 7/8	12	5	3	6 1/4	-	5/8
	3 Row	7 7/8	12	7 1/4	4 1/4	5 7/8	2 3/16	7/8
	4 Row	7 7/8	12	7 1/4	4 1/4	6 1/4	3 1/4	7/8
07, 08	1 Row	10 1/4	12	5	3	8 3/4	-	1/2
	2 Row	10 1/4	12	5	2 4/7	8 3/4	-	5/8
	3 Row	10 1/4	12	7 1/4	4 1/4	8 3/8	2 3/16	7/8
09, 10	4 Row	10 1/4	12	7 1/4	4 1/4	9	3 1/4	7/8
	1 Row	12 3/4	14	5	4 1/4	10 7/8	1 1/8	7/8
	2 Row	12 3/4	14	5	4 1/4	11 1/2	1 1/16	7/8
	3 Row	12 3/4	14	7 1/4	4 1/4	10 7/8	2 3/16	7/8
12	4 Row	12 3/4	14	7 1/4	4 1/4	11 1/2	3 1/4	7/8
	1 Row	15 1/4	16	5	4 1/4	13 3/8	1 1/8	7/8
	2 Row	15 1/4	16	5	4 1/4	14	1 1/16	7/8
	3 Row	15 1/4	16	7 1/4	4 1/4	13 3/8	2 3/16	7/8
14	4 Row	15 1/4	16	7 1/4	4 1/4	14	3 1/4	7/8
	1 Row	17 3/4	20	7 1/2	4 1/4	15 7/8	1 1/8	7/8
	2 Row	17 3/4	20	7 1/2	4 1/4	16 1/2	1 1/16	7/8
	3 Row	17 3/4	20	9 3/4	4 1/4	15 7/8	2 3/16	7/8
16	4 Row	17 3/4	20	9 3/4	4 1/4	16 1/2	3 1/4	7/8
	1 Row	17 3/4	24	7 1/2	4 1/4	15 7/8	1 1/8	7/8
	2 Row	17 3/4	24	7 1/2	4 1/4	16 1/2	1 1/16	7/8
	3 Row	17 3/4	24	9 3/4	4 1/4	15 7/8	2 3/16	7/8
22	4 Row	17 3/4	24	9 3/4	4 1/4	16 1/2	3 1/4	7/8
	1 Row	17 3/4	38	5	4 1/4	15 7/8	1 1/8	7/8
	2 Row	17 3/4	38	5	4 1/4	16 1/2	1 1/16	7/8
	3 Row	17 3/4	38	7 1/4	4 1/4	15 7/8	2 3/16	7/8
22	4 Row	17 3/4	38	7 1/4	4 1/4	16 1/2	3 1/4	7/8

PRODUCT INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

03/25/2021

JOB NAME	JOB NUMBER	LOCATION		DRAWING NUMBER
BUYER	BUYER #	REVISION B	SHEET 1 OF 1	35E-202-7

8 IN VAV INLET HW REHEAT

Project: CMS Grier-HV-Newell Relief
Prepared By: Paul Shelor

04/12/2022
07:29AM

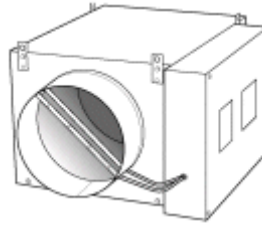
8 IN VAV INLET HW REHEAT

**Tag Cover Sheet
Unit Report
Certified Drawing**

Unit Report For 8 IN VAV INLET HW REHEAT

Project: CMS Grier-HV-Newell Relief
 Prepared By: Paul Shelor

04/12/2022
 07:29AM



Unit Parameters

Tag Name: **8 IN VAV INLET HW REHEAT**
 Quantity: **9**
 Model Type: **Field or Factory Installed Controls by Others**
 Model: **35E Single Duct Terminals**
 Unit and Inlet Size: **8 Inch (159 - 920 CFM)**
 Part Number: **35EN3021R080DXX00000SDH0W1200000.OP0000050001300250**
 Reheat Option: **Water Reheat**
 Insulation Lining: **Steriliner**

Dimensions

Unit Depth: **20.5** in
 Unit Width: **12.0** in
 Unit Height: **10.0** in
 Unit Operating Weight : **37** lb

*** Weights and Dimensions are approximate. Weight does not include curbs and accessories. Approximate dimensions are provided primarily for shipping purposes. For exact dimensions, refer to certified drawings.

Warranty Information

1 Year Parts Only Warranty


Ordering Information

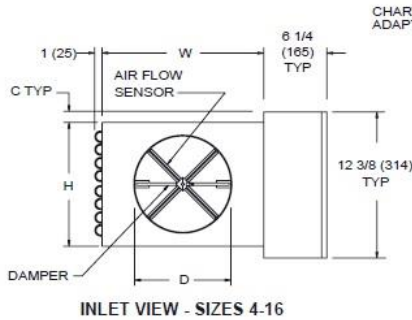
Part Number	Description	Quantity
Base Unit		
35EN3021R080DXX00000SDH0W1200000.OP0000050001300250	35E Single Duct Terminals	9
	Base Unit	
	Steriliner	
	22 Gauge, Right Hand Ctrl, w/Access Panel	
	DXX0: Factory Installed Controls Provided by Others	
	2 Row/Right	
	LineaCross (4 quadrant)	
	Hangers	
	Non-Fused Disconnect For Controls	
	120-24 Vac Transformer	
	Water Coil Vent & Drain	
Accessories		

Certified Drawing for 8 IN VAV INLET HW REHEAT

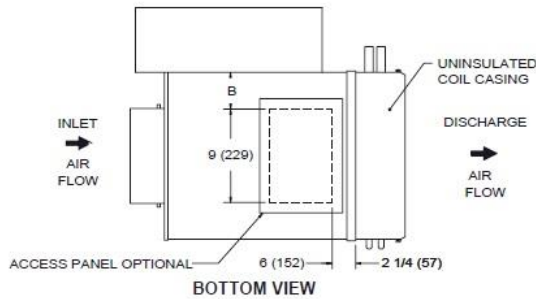
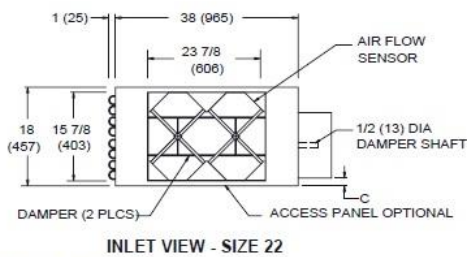
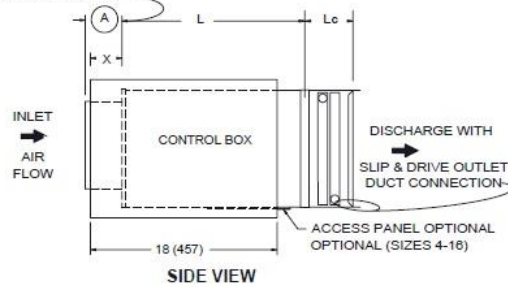
Project: CMS Grier-HV-Newell Relief
Prepared By: Paul Shelor

04/12/2022
07:29AM

CODE		THIS DOCUMENT IS THE PROPERTY OF CARRIER CORPORATION AND IS DELIVERED UPON THE EXPRESS CONDITION THAT THE CONTENTS WILL NOT BE DISCLOSED OR USED WITHOUT CARRIER CORPORATION'S WRITTEN CONSENT.	SUBMISSION OF THESE DRAWINGS OR DOCUMENTS DOES NOT CONSTITUTE PART PERFORMANCE OR ACCEPTANCE OF CONTRACT.	BASE UNIT WITH HOT WATER ANALOG OR DDC ELECTRONIC CONTROL	35E
CATALOG #					



CHARTED 'A' DIMENSION INCLUDES INLET ADAPTER PROVIDED ON SIZES 4 & 5



STANDARD FEATURES:

- 22 Ga. Zinc coated steel construction.
- NEMA 1 steel control enclosure for electronic components
- 1/2" thick dual density fiberglass insulation meeting NFPA 90A and UL 181 safety requirements.
- Four quadrant averaging cross flow sensor
- Hot water coils. See form TS0005 for dimensions and specifications
- Variety of analog and digital control packages for pressure independent systems.
- AHRI certified sound ratings

NOTE: Right hand configuration shown, left hand available.

DIMENSIONS ARE GIVEN AS INCHES (MM)

OPTIONAL FEATURES:

- 20 Ga. Zinc coated steel construction
- Liners:
 - 1/2" dual density fiberglass
 - 1" dual density fiberglass
 - Perforated double wall 1/2"
 - Perforated double wall 1"
 - 1/2" Cellular - fibre free
 - None
 - Steriliner
 - Sterilwall 1/2"
 - Sterilwall 1"
 - 1" Cellular - fibre free
- Linear averaging sensor.
- Disconnect switch for electronic controls
- 24 volt transformer.
- Left hand controls.
- Left hand water coil connection
- Dust tight control enclosure
- Bottom access panel (not available in size 22)
- Cam lock bottom access panel (not available in size 22)
- Right Hand Controls
- Right Hand Water Coil Connection
- Hanger Brackets

INLET SIZE	NOM MAX CFM (L/s)	L	W	H	A	B	C	D	X
4	230 (109)	15 1/2 (394)	12 (305)	8 (203)	5 3/8 (136)	1 1/2 (38)	2 1/8 (54)	3 7/8 (98)	7 1/4 (184)
5	360 (170)	15 1/2 (394)	12 (305)	8 (203)	5 3/8 (136)	1 1/2 (38)	2 1/8 (54)	4 7/8 (124)	7 1/4 (184)
6	520 (245)	15 1/2 (394)	12 (305)	8 (203)	3 3/8 (86)	1 1/2 (38)	2 1/8 (54)	5 7/8 (149)	7 1/4 (184)
7	710 (335)	15 1/2 (394)	12 (305)	10 (254)	3 3/8 (86)	1 1/2 (38)	1 1/8 (29)	6 7/8 (175)	7 1/4 (184)
8	925 (437)	15 1/2 (394)	12 (305)	10 (254)	3 3/8 (86)	1 1/2 (38)	1 1/8 (29)	7 7/8 (200)	7 1/4 (184)
9	1200 (566)	15 1/2 (394)	14 (356)	12 1/2 (318)	3 3/8 (86)	2 1/2 (64)	-	8 7/8 (225)	5 1/4 (133)
10	1450 (685)	15 1/2 (394)	14 (356)	12 1/2 (318)	3 3/8 (86)	2 1/2 (64)	-	9 7/8 (251)	5 1/4 (133)
12	2100 (991)	15 1/2 (394)	16 (406)	15 (381)	3 3/8 (86)	3 1/2 (89)	-	11 7/8 (302)	5 1/4 (133)
14	2900 (1369)	15 1/2 (394)	20 (508)	17 1/2 (445)	3 3/8 (86)	5 1/2 (140)	-	13 7/8 (352)	3 1/4 (83)
16	3700 (1746)	15 1/2 (394)	24 (610)	18 (457)	3 3/8 (86)	7 1/2 (191)	-	15 7/8 (403)	3 1/4 (83)
22	7100 (3351)	15 (381)	38 (965)	18 (457)	4 1/4 (108)	NA	1 1/8 (29)	SEE ABOVE	5 1/4 (133)

JOB NAME	JOB NUMBER	LOCATION	DRAWING NUMBER
BUYER	BUYER #	REVISION C	SHEET 1 OF 1
			35E-202-3


PRODUCT INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

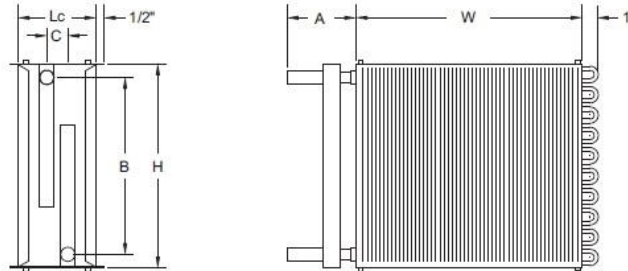
09/03/2021

Certified Drawing for 8 IN VAV INLET HW REHEAT

Project: CMS Grier-HV-Newell Relief
Prepared By: Paul Shelor

04/12/2022
07:29AM

CODE		THIS DOCUMENT IS THE PROPERTY OF CARRIER CORPORATION AND IS DELIVERED UPON THE EXPRESS CONDITION THAT THE CONTENTS WILL NOT BE DISCLOSED OR USED WITHOUT CARRIER CORPORATION'S WRITTEN CONSENT.	SUBMISSION OF THESE DRAWINGS OR DOCUMENTS DOES NOT CONSTITUTE PART PERFORMANCE OR ACCEPTANCE OF CONTRACT.	35E HOT WATER REHEAT COILS	35E
CATALOG #					



- NOTES:**
1. 35E coils are shipped from the factory attached to the unit discharge. Coil discharge is configured for slip and drive field ductwork installation. Coil section is uninsulated. Coils are not for steam applications.
 2. CONNECTION TUBING – 0.032-in. thick copper, male solder connection. Refer to connection diameter shown in the table below.
 3. COIL CASING – 20-gage galvanized steel
 4. COIL TUBING – ½ in. OD x 0.016-in. thick copper
 5. COIL FINS – 0.0045-in. thick aluminum, 10 per inch, mechanically bonded to tubing.
 6. COILS ACCESSORIES – optional air vent and drain
 7. Unit dimensions given in inches

35E UNIT SIZE	NO. OF ROWS IN COILS	H	W	Lc	A	B	C	WATER CONN (OD)
04, 05, 06	1 Row	7 7/8	12	5	3	6 1/4	-	1/2
	2 Row	7 7/8	12	5	3	6 1/4	-	5/8
	3 Row	7 7/8	12	7 1/4	4 1/4	5 7/8	2 3/16	7/8
	4 Row	7 7/8	12	7 1/4	4 1/4	6 1/4	3 1/4	7/8
07, 08	1 Row	10 1/4	12	5	3	8 3/4	-	1/2
	2 Row	10 1/4	12	5	2 4/7	8 3/4	-	5/8
	3 Row	10 1/4	12	7 1/4	4 1/4	8 3/8	2 3/16	7/8
09, 10	4 Row	10 1/4	12	7 1/4	4 1/4	9	3 1/4	7/8
	1 Row	12 3/4	14	5	4 1/4	10 7/8	1 1/8	7/8
	2 Row	12 3/4	14	5	4 1/4	11 1/2	1 1/16	7/8
	3 Row	12 3/4	14	7 1/4	4 1/4	10 7/8	2 3/16	7/8
12	4 Row	12 3/4	14	7 1/4	4 1/4	11 1/2	3 1/4	7/8
	1 Row	15 1/4	16	5	4 1/4	13 3/8	1 1/8	7/8
	2 Row	15 1/4	16	5	4 1/4	14	1 1/16	7/8
	3 Row	15 1/4	16	7 1/4	4 1/4	13 3/8	2 3/16	7/8
14	4 Row	15 1/4	16	7 1/4	4 1/4	14	3 1/4	7/8
	1 Row	17 3/4	20	7 1/2	4 1/4	15 7/8	1 1/8	7/8
	2 Row	17 3/4	20	7 1/2	4 1/4	16 1/2	1 1/16	7/8
	3 Row	17 3/4	20	9 3/4	4 1/4	15 7/8	2 3/16	7/8
16	4 Row	17 3/4	20	9 3/4	4 1/4	16 1/2	3 1/4	7/8
	1 Row	17 3/4	24	7 1/2	4 1/4	15 7/8	1 1/8	7/8
	2 Row	17 3/4	24	7 1/2	4 1/4	16 1/2	1 1/16	7/8
	3 Row	17 3/4	24	9 3/4	4 1/4	15 7/8	2 3/16	7/8
22	4 Row	17 3/4	24	9 3/4	4 1/4	16 1/2	3 1/4	7/8
	1 Row	17 3/4	38	5	4 1/4	15 7/8	1 1/8	7/8
	2 Row	17 3/4	38	5	4 1/4	16 1/2	1 1/16	7/8
	3 Row	17 3/4	38	7 1/4	4 1/4	15 7/8	2 3/16	7/8
	4 Row	17 3/4	38	7 1/4	4 1/4	16 1/2	3 1/4	7/8

PRODUCT INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

03/25/2021

JOB NAME	JOB NUMBER	LOCATION		DRAWING NUMBER
BUYER	BUYER #	REVISION B	SHEET 1 OF 1	35E-202-7

10 IN VAV INLET HW REHEAT

Project: CMS Grier-HV-Newell Relief
Prepared By: Paul Shelor

04/12/2022
07:29AM

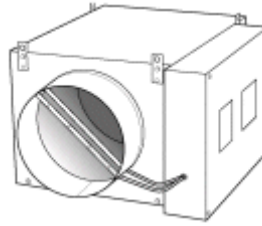
10 IN VAV INLET HW REHEAT

**Tag Cover Sheet
Unit Report
Certified Drawing**

Unit Report For 10 IN VAV INLET HW REHEAT

Project: CMS Grier-HV-Newell Relief
 Prepared By: Paul Shelor

04/12/2022
 07:29AM



Unit Parameters

Tag Name: **10 IN VAV INLET HW REHEAT**
 Quantity: **43**
 Model Type: **Field or Factory Installed Controls by Others**
 Model: **35E Single Duct Terminals**
 Unit and Inlet Size: **10 Inch (248 - 1430 CFM)**
 Part Number: **35EN3021R100DXX00000SDH0W1200000.OP0000119503000600**
 Reheat Option: **Water Reheat**
 Insulation Lining: **Steriliner**

Dimensions

Unit Depth: **20.5** in
 Unit Width: **14.0** in
 Unit Height: **13.0** in
 Unit Operating Weight : **46** lb

*** Weights and Dimensions are approximate. Weight does not include curbs and accessories. Approximate dimensions are provided primarily for shipping purposes. For exact dimensions, refer to certified drawings.

Warranty Information

1 Year Parts Only Warranty


Ordering Information

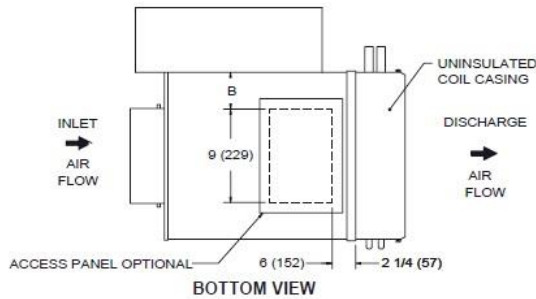
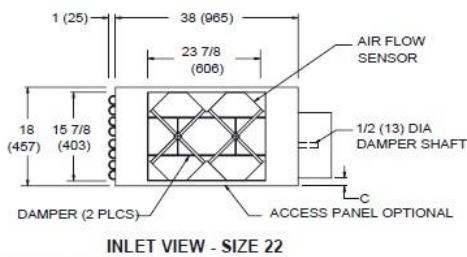
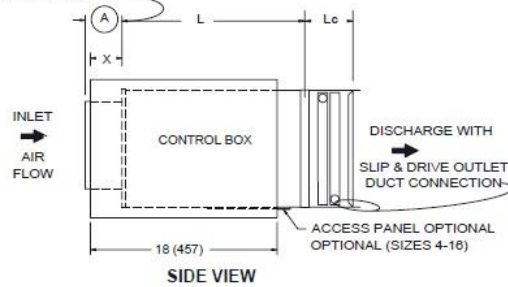
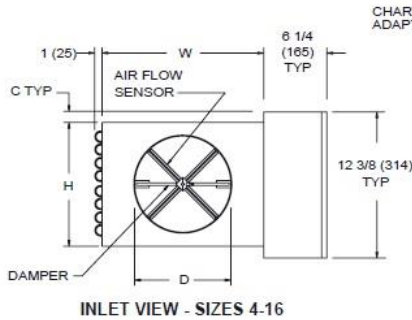
Part Number	Description	Quantity
Base Unit		
35EN3021R100DXX00000SDH0W1200000.OP0000119503000600	35E Single Duct Terminals	43
	Base Unit	
	Steriliner	
	22 Gauge, Right Hand Ctrl, w/Access Panel	
	DXX0: Factory Installed Controls Provided by Others	
	2 Row/Right	
	LineaCross (4 quadrant)	
	Hangers	
	Non-Fused Disconnect For Controls	
	120-24 Vac Transformer	
	Water Coil Vent & Drain	
Accessories		

Certified Drawing for 10 IN VAV INLET HW REHEAT

Project: CMS Grier-HV-Newell Relief
Prepared By: Paul Shelor

04/12/2022
07:29AM

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CATALOG #					



STANDARD FEATURES:

- 22 Ga. Zinc coated steel construction.
- NEMA 1 steel control enclosure for electronic components
- 1/2" thick dual density fiberglass insulation meeting NFPA 90A and UL 181 safety requirements.
- Four quadrant averaging cross flow sensor
- Hot water coils. See form TS0005 for dimensions and specifications
- Variety of analog and digital control packages for pressure independent systems.
- AHRI certified sound ratings

NOTE: Right hand configuration shown, left hand available.

DIMENSIONS ARE GIVEN AS INCHES (MM)

OPTIONAL FEATURES:

- 20 Ga. Zinc coated steel construction
- Liners:
 - 1/2" dual density fiberglass
 - 1" dual density fiberglass
 - Perforated double wall 1/2"
 - Perforated double wall 1"
 - 1/2" Cellular - fibre free
 - None
 - Steriliner
 - Sterilwall 1/2"
 - Sterilwall 1"
 - 1" Cellular - fibre free
- Linear averaging sensor.
- Disconnect switch for electronic controls
- 24 volt transformer.
- Left hand controls.
- Left hand water coil connection
- Dust tight control enclosure
- Bottom access panel (not available in size 22)
- Cam lock bottom access panel (not available in size 22)
- Right Hand Controls
- Right Hand Water Coil Connection
- Hanger Brackets

INLET SIZE	NOM MAX CFM (L/s)	L	W	H	A	B	C	D	X
4	230 (109)	15 1/2 (394)	12 (305)	8 (203)	5 3/8 (136)	1 1/2 (38)	2 1/8 (54)	3 7/8 (98)	7 1/4 (184)
5	360 (170)	15 1/2 (394)	12 (305)	8 (203)	5 3/8 (136)	1 1/2 (38)	2 1/8 (54)	4 7/8 (124)	7 1/4 (184)
6	520 (245)	15 1/2 (394)	12 (305)	8 (203)	3 3/8 (86)	1 1/2 (38)	2 1/8 (54)	5 7/8 (149)	7 1/4 (184)
7	710 (335)	15 1/2 (394)	12 (305)	10 (254)	3 3/8 (86)	1 1/2 (38)	1 1/8 (29)	6 7/8 (175)	7 1/4 (184)
8	925 (437)	15 1/2 (394)	12 (305)	10 (254)	3 3/8 (86)	1 1/2 (38)	1 1/8 (29)	7 7/8 (200)	7 1/4 (184)
9	1200 (566)	15 1/2 (394)	14 (356)	12 1/2 (318)	3 3/8 (86)	2 1/2 (64)	-	8 7/8 (225)	5 1/4 (133)
10	1450 (685)	15 1/2 (394)	14 (356)	12 1/2 (318)	3 3/8 (86)	2 1/2 (64)	-	9 7/8 (251)	5 1/4 (133)
12	2100 (991)	15 1/2 (394)	16 (406)	15 (381)	3 3/8 (86)	3 1/2 (89)	-	11 7/8 (302)	5 1/4 (133)
14	2900 (1369)	15 1/2 (394)	20 (508)	17 1/2 (445)	3 3/8 (86)	5 1/2 (140)	-	13 7/8 (352)	3 1/4 (83)
16	3700 (1746)	15 1/2 (394)	24 (610)	18 (457)	3 3/8 (86)	7 1/2 (191)	-	15 7/8 (403)	3 1/4 (83)
22	7100 (3351)	15 (381)	38 (965)	18 (457)	4 1/4 (108)	NA	1 1/8 (29)	SEE ABOVE	5 1/4 (133)

JOB NAME	JOB NUMBER	LOCATION	DRAWING NUMBER
BUYER	BUYER #	REVISION C	SHEET 1 OF 1
			35E-202-3


PRODUCT INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

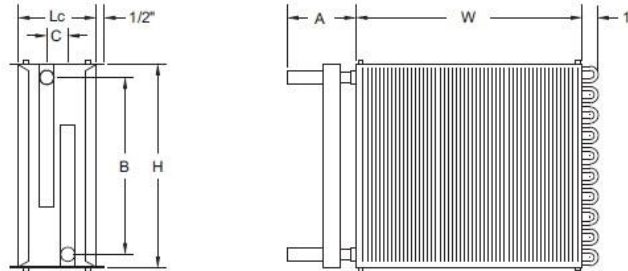
09/03/2021

Certified Drawing for 10 IN VAV INLET HW REHEAT

Project: CMS Grier-HV-Newell Relief
Prepared By: Paul Shelor

04/12/2022
07:29AM

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CATALOG #					



- NOTES:**
1. 35E coils are shipped from the factory attached to the unit discharge. Coil discharge is configured for slip and drive field ductwork installation. Coil section is uninsulated. Coils are not for steam applications.
 2. CONNECTION TUBING – 0.032-in. thick copper, male solder connection. Refer to connection diameter shown in the table below.
 3. COIL CASING – 20-gage galvanized steel
 4. COIL TUBING – ½ in. OD x 0.016-in. thick copper
 5. COIL FINS – 0.0045-in. thick aluminum, 10 per inch, mechanically bonded to tubing.
 6. COILS ACCESSORIES – optional air vent and drain
 7. Unit dimensions given in inches

35E UNIT SIZE	NO. OF ROWS IN COILS	H	W	Lc	A	B	C	WATER CONN (OD)
04, 05, 06	1 Row	7 7/8	12	5	3	6 1/4	-	1/2
	2 Row	7 7/8	12	5	3	6 1/4	-	5/8
	3 Row	7 7/8	12	7 1/4	4 1/4	5 7/8	2 3/16	7/8
	4 Row	7 7/8	12	7 1/4	4 1/4	6 1/4	3 1/4	7/8
07, 08	1 Row	10 1/4	12	5	3	8 3/4	-	1/2
	2 Row	10 1/4	12	5	2 4/7	8 3/4	-	5/8
	3 Row	10 1/4	12	7 1/4	4 1/4	8 3/8	2 3/16	7/8
	4 Row	10 1/4	12	7 1/4	4 1/4	9	3 1/4	7/8
09, 10	1 Row	12 3/4	14	5	4 1/4	10 7/8	1 1/8	7/8
	2 Row	12 3/4	14	5	4 1/4	11 1/2	1 1/16	7/8
	3 Row	12 3/4	14	7 1/4	4 1/4	10 7/8	2 3/16	7/8
	4 Row	12 3/4	14	7 1/4	4 1/4	11 1/2	3 1/4	7/8
12	1 Row	15 1/4	16	5	4 1/4	13 3/8	1 1/8	7/8
	2 Row	15 1/4	16	5	4 1/4	14	1 1/16	7/8
	3 Row	15 1/4	16	7 1/4	4 1/4	13 3/8	2 3/16	7/8
	4 Row	15 1/4	16	7 1/4	4 1/4	14	3 1/4	7/8
14	1 Row	17 3/4	20	7 1/2	4 1/4	15 7/8	1 1/8	7/8
	2 Row	17 3/4	20	7 1/2	4 1/4	16 1/2	1 1/16	7/8
	3 Row	17 3/4	20	9 3/4	4 1/4	15 7/8	2 3/16	7/8
	4 Row	17 3/4	20	9 3/4	4 1/4	16 1/2	3 1/4	7/8
16	1 Row	17 3/4	24	7 1/2	4 1/4	15 7/8	1 1/8	7/8
	2 Row	17 3/4	24	7 1/2	4 1/4	16 1/2	1 1/16	7/8
	3 Row	17 3/4	24	9 3/4	4 1/4	15 7/8	2 3/16	7/8
	4 Row	17 3/4	24	9 3/4	4 1/4	16 1/2	3 1/4	7/8
22	1 Row	17 3/4	38	5	4 1/4	15 7/8	1 1/8	7/8
	2 Row	17 3/4	38	5	4 1/4	16 1/2	1 1/16	7/8
	3 Row	17 3/4	38	7 1/4	4 1/4	15 7/8	2 3/16	7/8
	4 Row	17 3/4	38	7 1/4	4 1/4	16 1/2	3 1/4	7/8

PRODUCT INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

03/25/2021

JOB NAME	JOB NUMBER	LOCATION		DRAWING NUMBER
BUYER	BUYER #	REVISION B	SHEET 1 OF 1	35E-202-7

10 IN VAV INLET COOLING ONLY

Project: CMS Grier-HV-Newell Relief
Prepared By: Paul Shelor

04/12/2022
07:29AM

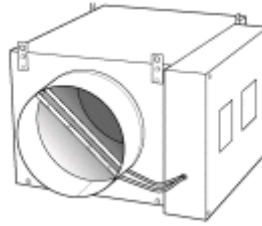
10 IN VAV INLET COOLING ONLY

**Tag Cover Sheet
Unit Report
Certified Drawing**

Unit Report For 10 IN VAV INLET COOLING ONLY

Project: CMS Grier-HV-Newell Relief
 Prepared By: Paul Shelor

04/12/2022
 07:29AM



Unit Parameters

Tag Name: **10 IN VAV INLET COOLING ONLY**
 Quantity: **7**
 Model Type: **Field or Factory Installed Controls by Others**
 Model: **35E Single Duct Terminals**
 Unit and Inlet Size: **10 Inch (248 - 1430 CFM)**
 Part Number: **35EN3021R100DXX000000SDH00000000.000000050001500000**
 Reheat Option: **None**
 Insulation Lining: **Steriliner**

Dimensions

Unit Depth: **15.5** in
 Unit Width: **14.0** in
 Unit Height: **13.0** in
 Unit Operating Weight : **30** lb

*** Weights and Dimensions are approximate. Weight does not include curbs and accessories. Approximate dimensions are provided primarily for shipping purposes. For exact dimensions, refer to certified drawings.

Warranty Information

1 Year Parts Only Warranty


Ordering Information

Part Number	Description	Quantity
Base Unit		
35EN3021R100DXX000000SDH00000000.000000050001500000	35E Single Duct Terminals	7
	Base Unit	
	Steriliner	
	22 Gauge, Right Hand Ctrl, w/Access Panel	
	DXX0: Factory Installed Controls Provided by Others	
	LineaCross (4 quadrant)	
	Hangers	
	Non-Fused Disconnect For Controls	
	120-24 Vac Transformer	
Accessories		

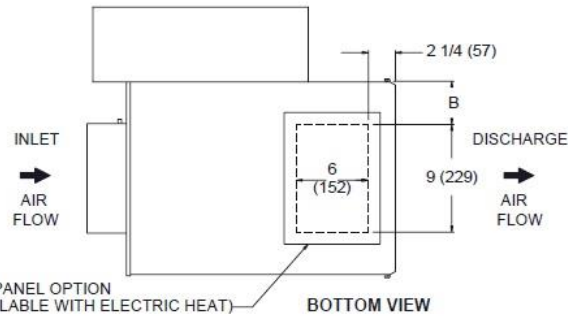
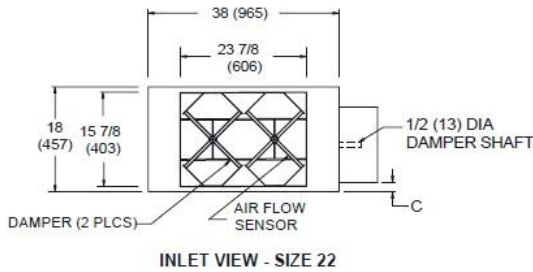
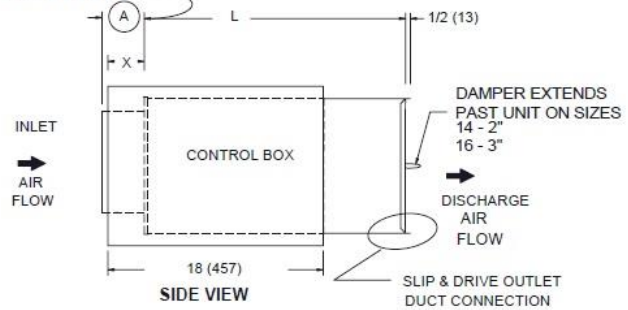
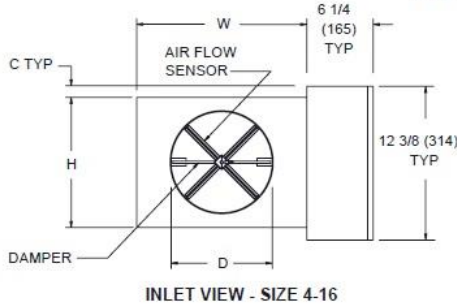
Certified Drawing for 10 IN VAV INLET COOLING ONLY

Project: CMS Grier-HV-Newell Relief
Prepared By: Paul Shelor

04/12/2022
07:29AM

CODE		THIS DOCUMENT IS THE PROPERTY OF CARRIER CORPORATION AND IS DELIVERED UPON THE EXPRESS CONDITION THAT THE CONTENTS WILL NOT BE DISCLOSED OR USED WITHOUT CARRIER CORPORATION'S WRITTEN CONSENT.	SUBMISSION OF THESE DRAWINGS OR DOCUMENTS DOES NOT CONSTITUTE PART PERFORMANCE OR ACCEPTANCE OF CONTRACT.	BASE UNIT WITH ANALOG OR DDC ELECTRONIC CONTROL	35E
CATALOG #					

CHARTED 'A' DIMENSION INCLUDES INLET ADAPTER PROVIDED ON SIZES 4 & 5



STANDARD FEATURES:

- 22 Ga. Zinc coated steel construction.
- NEMA 1 steel control enclosure for electric or electronic components
- 1/2" thick dual density fiberglass insulation meeting NFPA 90A and UL 181 safety requirements.
- Four quadrant averaging cross flow sensor
- Variety of electric, analog, and digital control packages for pressure dependent and pressure independent systems.
- ETL listed - Adherence to UL 429 for electrically operated valves.
- AHRI 880 certified sound ratings

NOTE: Right hand configuration shown, left hand available.

OPTIONAL FEATURES:

- 20 Ga. Zinc coated steel construction
- Liners: 1/2" dual density fiberglass None
- 1" dual density fiberglass Steriliner
- Perforated double wall 1/2" Sterilwall 1/2"
- Perforated double wall 1" Sterilwall 1"
- 1/2" Cellular - fibre free 1" Cellular - fibre free
- Linear averaging sensor.
- 24 Volt transformer
- Disconnect switch for electronic controls. Hanger Brackets
- Dust tight control enclosure.
- Left hand control enclosure.
- Right hand control enclosure.
- Bottom access panel (not available in size 22)
- Cam lock bottom access panel (not available in size 22)

DIMENSIONS ARE GIVEN AS INCHES (MM)

INLET SIZE	NOM MAX CFM(L/s)	L	W	H	A	B	C	D	X
4	230 (109)	15 1/2 (394)	12 (305)	8 (203)	5 3/8 (136)	1 1/2 (38)	2 1/8 (54)	3 7/8 (98)	7 1/4 (184)
5	360 (170)	15 1/2 (394)	12 (305)	8 (203)	5 3/8 (136)	1 1/2 (38)	2 1/8 (54)	4 7/8 (124)	7 1/4 (184)
6	520 (245)	15 1/2 (394)	12 (305)	8 (203)	3 3/8 (86)	1 1/2 (38)	2 1/8 (54)	5 7/8 (149)	7 1/4 (184)
7	710 (335)	15 1/2 (394)	12 (305)	10 (254)	3 3/8 (86)	1 1/2 (38)	1 1/8 (29)	6 7/8 (175)	7 1/4 (184)
8	925 (437)	15 1/2 (394)	12 (305)	10 (254)	3 3/8 (86)	1 1/2 (38)	1 1/8 (29)	7 7/8 (200)	7 1/4 (184)
9	1200 (566)	15 1/2 (394)	14 (356)	12 1/2 (318)	3 3/8 (86)	2 1/2 (64)	-	8 7/8 (225)	5 1/4 (133)
10	1450 (685)	15 1/2 (394)	14 (356)	12 1/2 (318)	3 3/8 (86)	2 1/2 (64)	-	9 7/8 (251)	5 1/4 (133)
12	2100 (991)	15 1/2 (394)	16 (406)	15 (381)	3 3/8 (86)	3 1/2 (89)	-	11 7/8 (302)	5 1/4 (133)
14	2900 (1369)	15 1/2 (394)	20 (508)	17 1/2 (445)	3 3/8 (86)	5 1/2 (140)	-	13 7/8 (352)	3 1/4 (83)
16	3700 (1746)	15 1/2 (394)	24 (610)	18 (457)	3 3/8 (86)	7 1/2 (191)	-	15 7/8 (403)	3 1/4 (83)
22	7100 (3351)	15 (381)	38 (965)	18 (457)	4 1/4 (108)	NA	1 1/8 (29)	SEE ABOVE	5 1/4 (133)

JOB NAME	JOB NUMBER	LOCATION	DRAWING NUMBER
BUYER	BUYER #	REVISION E	SHEET 1 OF 1
			35E-202-1

PRODUCT INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

09/03/2021

12 IN VAV INLET HW REHEAT

Project: CMS Grier-HV-Newell Relief
Prepared By: Paul Shelor

04/12/2022
07:29AM

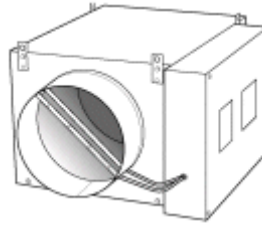
12 IN VAV INLET HW REHEAT

**Tag Cover Sheet
Unit Report
Certified Drawing**

Unit Report For 12 IN VAV INLET HW REHEAT

Project: CMS Grier-HV-Newell Relief
 Prepared By: Paul Shelor

04/12/2022
 07:29AM



Unit Parameters

Tag Name: **12 IN VAV INLET HW REHEAT**
 Quantity: **15**
 Model Type: **Field or Factory Installed Controls by Others**
 Model: **35E Single Duct Terminals**
 Unit and Inlet Size: **12 Inch (357 - 2060 CFM)**
 Part Number: **35EN3021R120DXX00000SDH0W1200000.OP0000181004600910**
 Reheat Option: **Water Reheat**
 Insulation Lining: **Steriliner**

Dimensions

Unit Depth: **20.5** in
 Unit Width: **16.0** in
 Unit Height: **15.0** in
 Unit Operating Weight : **56** lb

*** Weights and Dimensions are approximate. Weight does not include curbs and accessories. Approximate dimensions are provided primarily for shipping purposes. For exact dimensions, refer to certified drawings.

Warranty Information

1 Year Parts Only Warranty


Ordering Information

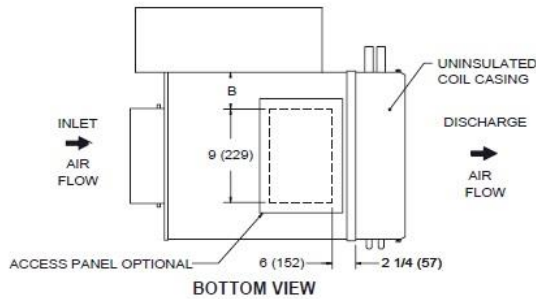
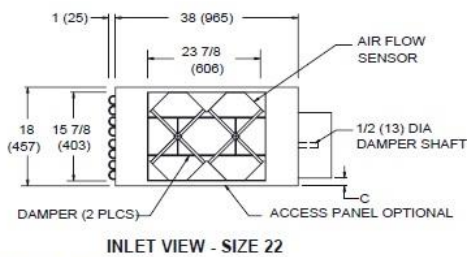
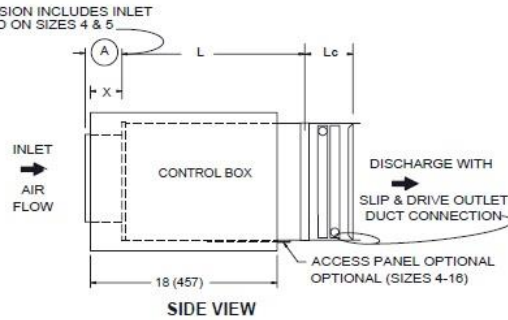
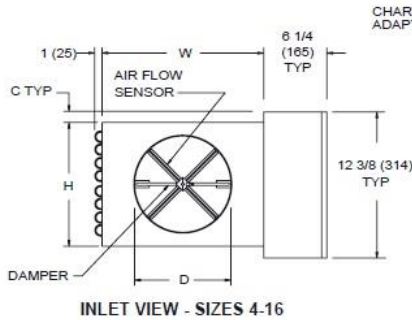
Part Number	Description	Quantity
Base Unit		
35EN3021R120DXX00000SDH0W1200000.OP0000181004600910	35E Single Duct Terminals	15
	Base Unit	
	Steriliner	
	22 Gauge, Right Hand Ctrl, w/Access Panel	
	DXX0: Factory Installed Controls Provided by Others	
	2 Row/Right	
	LineaCross (4 quadrant)	
	Hangers	
	Non-Fused Disconnect For Controls	
	120-24 Vac Transformer	
	Water Coil Vent & Drain	
Accessories		

Certified Drawing for 12 IN VAV INLET HW REHEAT

Project: CMS Grier-HV-Newell Relief
Prepared By: Paul Shelor

04/12/2022
07:29AM

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CATALOG #					



STANDARD FEATURES:

- 22 Ga. Zinc coated steel construction.
- NEMA 1 steel control enclosure for electronic components
- 1/2" thick dual density fiberglass insulation meeting NFPA 90A and UL 181 safety requirements.
- Four quadrant averaging cross flow sensor
- Hot water coils. See form TS0005 for dimensions and specifications
- Variety of analog and digital control packages for pressure independent systems.
- AHRI certified sound ratings

NOTE: Right hand configuration shown, left hand available.

DIMENSIONS ARE GIVEN AS INCHES (MM)

OPTIONAL FEATURES:

- 20 Ga. Zinc coated steel construction
- Liners:
 - 1/2" dual density fiberglass
 - 1" dual density fiberglass
 - Perforated double wall 1/2"
 - Perforated double wall 1"
 - 1/2" Cellular - fibre free
- Linear averaging sensor.
- Disconnect switch for electronic controls
- 24 volt transformer.
- Left hand controls.
- Left hand water coil connection
- Dust tight control enclosure
- Bottom access panel (not available in size 22)
- Cam lock bottom access panel (not available in size 22)
- None
- Steriliner
- Sterilwall 1/2"
- Sterilwall 1"
- 1" Cellular - fibre free
- Right Hand Controls
- Right Hand Water Coil Connection
- Hanger Brackets

INLET SIZE	NOM MAX CFM (L/s)	L	W	H	A	B	C	D	X
4	230 (109)	15 1/2 (394)	12 (305)	8 (203)	5 3/8 (136)	1 1/2 (38)	2 1/8 (54)	3 7/8 (98)	7 1/4 (184)
5	360 (170)	15 1/2 (394)	12 (305)	8 (203)	5 3/8 (136)	1 1/2 (38)	2 1/8 (54)	4 7/8 (124)	7 1/4 (184)
6	520 (245)	15 1/2 (394)	12 (305)	8 (203)	3 3/8 (86)	1 1/2 (38)	2 1/8 (54)	5 7/8 (149)	7 1/4 (184)
7	710 (335)	15 1/2 (394)	12 (305)	10 (254)	3 3/8 (86)	1 1/2 (38)	1 1/8 (29)	6 7/8 (175)	7 1/4 (184)
8	925 (437)	15 1/2 (394)	12 (305)	10 (254)	3 3/8 (86)	1 1/2 (38)	1 1/8 (29)	7 7/8 (200)	7 1/4 (184)
9	1200 (566)	15 1/2 (394)	14 (356)	12 1/2 (318)	3 3/8 (86)	2 1/2 (64)	-	8 7/8 (225)	5 1/4 (133)
10	1450 (685)	15 1/2 (394)	14 (356)	12 1/2 (318)	3 3/8 (86)	2 1/2 (64)	-	9 7/8 (251)	5 1/4 (133)
12	2100 (991)	15 1/2 (394)	16 (406)	15 (381)	3 3/8 (86)	3 1/2 (89)	-	11 7/8 (302)	5 1/4 (133)
14	2900 (1369)	15 1/2 (394)	20 (508)	17 1/2 (445)	3 3/8 (86)	5 1/2 (140)	-	13 7/8 (352)	3 1/4 (83)
16	3700 (1746)	15 1/2 (394)	24 (610)	18 (457)	3 3/8 (86)	7 1/2 (191)	-	15 7/8 (403)	3 1/4 (83)
22	7100 (3351)	15 (381)	38 (965)	18 (457)	4 1/4 (108)	NA	1 1/8 (29)	SEE ABOVE	5 1/4 (133)

JOB NAME	JOB NUMBER	LOCATION	DRAWING NUMBER
BUYER	BUYER #	REVISION C	SHEET 1 OF 1
			35E-202-3


PRODUCT INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

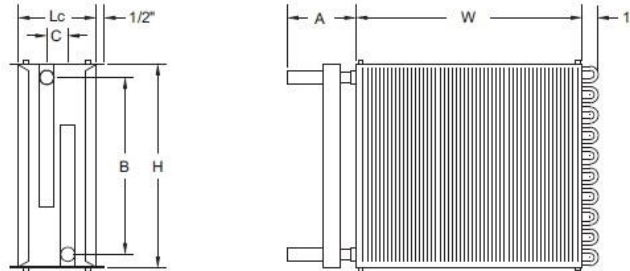
09/03/2021

Certified Drawing for 12 IN VAV INLET HW REHEAT

Project: CMS Grier-HV-Newell Relief
Prepared By: Paul Shelor

04/12/2022
07:29AM

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CATALOG #					



- NOTES:**
1. 35E coils are shipped from the factory attached to the unit discharge. Coil discharge is configured for slip and drive field ductwork installation. Coil section is uninsulated. Coils are not for steam applications.
 2. CONNECTION TUBING – 0.032-in. thick copper, male solder connection. Refer to connection diameter shown in the table below.
 3. COIL CASING – 20-gage galvanized steel
 4. COIL TUBING – ½ in. OD x 0.016-in. thick copper
 5. COIL FINS – 0.0045-in. thick aluminum, 10 per inch, mechanically bonded to tubing.
 6. COILS ACCESSORIES – optional air vent and drain
 7. Unit dimensions given in inches

35E UNIT SIZE	NO. OF ROWS IN COILS	H	W	Lc	A	B	C	WATER CONN (OD)
04, 05, 06	1 Row	7 7/8	12	5	3	6 1/4	-	1/2
	2 Row	7 7/8	12	5	3	6 1/4	-	5/8
	3 Row	7 7/8	12	7 1/4	4 1/4	5 7/8	2 3/16	7/8
	4 Row	7 7/8	12	7 1/4	4 1/4	6 1/4	3 1/4	7/8
07, 08	1 Row	10 1/4	12	5	3	8 3/4	-	1/2
	2 Row	10 1/4	12	5	2 4/7	8 3/4	-	5/8
	3 Row	10 1/4	12	7 1/4	4 1/4	8 3/8	2 3/16	7/8
	4 Row	10 1/4	12	7 1/4	4 1/4	9	3 1/4	7/8
09, 10	1 Row	12 3/4	14	5	4 1/4	10 7/8	1 1/8	7/8
	2 Row	12 3/4	14	5	4 1/4	11 1/2	1 1/16	7/8
	3 Row	12 3/4	14	7 1/4	4 1/4	10 7/8	2 3/16	7/8
	4 Row	12 3/4	14	7 1/4	4 1/4	11 1/2	3 1/4	7/8
12	1 Row	15 1/4	16	5	4 1/4	13 3/8	1 1/8	7/8
	2 Row	15 1/4	16	5	4 1/4	14	1 1/16	7/8
	3 Row	15 1/4	16	7 1/4	4 1/4	13 3/8	2 3/16	7/8
	4 Row	15 1/4	16	7 1/4	4 1/4	14	3 1/4	7/8
14	1 Row	17 3/4	20	7 1/2	4 1/4	15 7/8	1 1/8	7/8
	2 Row	17 3/4	20	7 1/2	4 1/4	16 1/2	1 1/16	7/8
	3 Row	17 3/4	20	9 3/4	4 1/4	15 7/8	2 3/16	7/8
	4 Row	17 3/4	20	9 3/4	4 1/4	16 1/2	3 1/4	7/8
16	1 Row	17 3/4	24	7 1/2	4 1/4	15 7/8	1 1/8	7/8
	2 Row	17 3/4	24	7 1/2	4 1/4	16 1/2	1 1/16	7/8
	3 Row	17 3/4	24	9 3/4	4 1/4	15 7/8	2 3/16	7/8
	4 Row	17 3/4	24	9 3/4	4 1/4	16 1/2	3 1/4	7/8
22	1 Row	17 3/4	38	5	4 1/4	15 7/8	1 1/8	7/8
	2 Row	17 3/4	38	5	4 1/4	16 1/2	1 1/16	7/8
	3 Row	17 3/4	38	7 1/4	4 1/4	15 7/8	2 3/16	7/8
	4 Row	17 3/4	38	7 1/4	4 1/4	16 1/2	3 1/4	7/8

PRODUCT INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

03/25/2021

JOB NAME	JOB NUMBER	LOCATION		DRAWING NUMBER
BUYER	BUYER #	REVISION B	SHEET 1 OF 1	35E-202-7

12 IN VAV INLET COOLING ONLY

Project: CMS Grier-HV-Newell Relief
Prepared By: Paul Shelor

04/12/2022
07:29AM

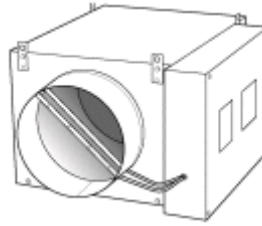
12 IN VAV INLET COOLING ONLY

**Tag Cover Sheet
Unit Report
Certified Drawing**

Unit Report For 12 IN VAV INLET COOLING ONLY

Project: CMS Grier-HV-Newell Relief
 Prepared By: Paul Shelor

04/12/2022
 07:29AM



Unit Parameters

Tag Name: **12 IN VAV INLET COOLING ONLY**
 Quantity: **1**
 Model Type: **Field or Factory Installed Controls by Others**
 Model: **35E Single Duct Terminals**
 Unit and Inlet Size: **12 Inch (357 - 2060 CFM)**
 Part Number: **35EN3021R120DXX000000SDH00000000.000000100003000000**
 Reheat Option: **None**
 Insulation Lining: **Steriliner**

Dimensions

Unit Depth: **15.5** in
 Unit Width: **16.0** in
 Unit Height: **15.0** in
 Unit Operating Weight : **35** lb

*** Weights and Dimensions are approximate. Weight does not include curbs and accessories. Approximate dimensions are provided primarily for shipping purposes. For exact dimensions, refer to certified drawings.

Warranty Information

1 Year Parts Only Warranty

Ordering Information

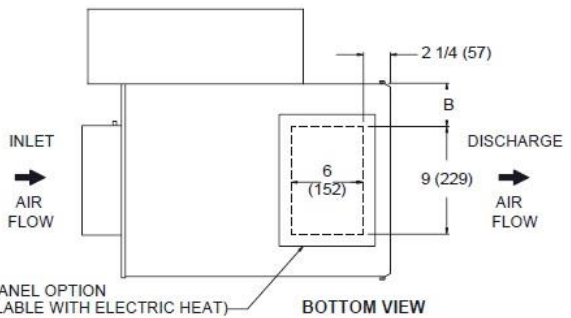
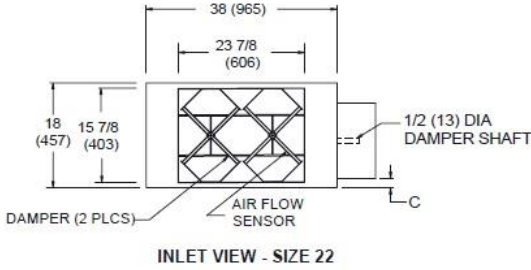
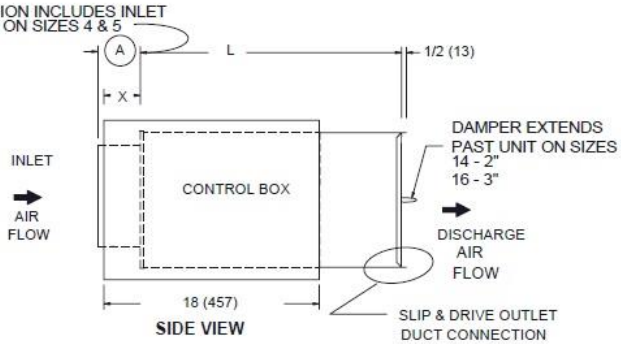
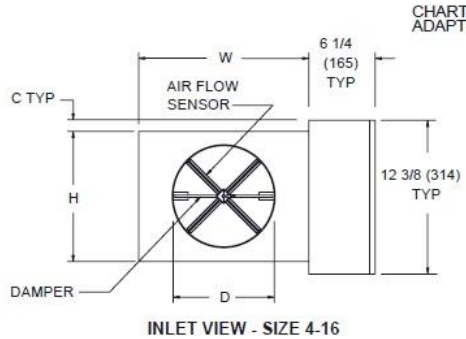
Part Number	Description	Quantity
Base Unit		
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	Base Unit	
	Steriliner	
	22 Gauge, Right Hand Ctrl, w/Access Panel	
	DXX0: Factory Installed Controls Provided by Others	
	LineaCross (4 quadrant)	
	Hangers	
	Non-Fused Disconnect For Controls	
	120-24 Vac Transformer	
Accessories		

Certified Drawing for 12 IN VAV INLET COOLING ONLY

Project: CMS Grier-HV-Newell Relief
Prepared By: Paul Shelor

04/12/2022
07:29AM

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CATALOG #					



STANDARD FEATURES:

- 22 Ga. Zinc coated steel construction.
- NEMA 1 steel control enclosure for electric or electronic components
- 1/2" thick dual density fiberglass insulation meeting NFPA 90A and UL 181 safety requirements.
- Four quadrant averaging cross flow sensor
- Variety of electric, analog, and digital control packages for pressure dependent and pressure independent systems.
- ETL listed - Adherence to UL 429 for electrically operated valves.
- AHRI 880 certified sound ratings

NOTE: Right hand configuration shown, left hand available.

OPTIONAL FEATURES:

- 20 Ga. Zinc coated steel construction
- Liners: 1/2" dual density fiberglass None
- 1" dual density fiberglass Steriliner
- Perforated double wall 1/2" Sterilwall 1/2"
- Perforated double wall 1" Sterilwall 1"
- 1/2" Cellular - fibre free 1" Cellular - fibre free
- Linear averaging sensor.
- 24 Volt transformer
- Disconnect switch for electronic controls. Hanger Brackets
- Dust tight control enclosure.
- Left hand control enclosure.
- Right hand control enclosure.
- Bottom access panel (not available in size 22)
- Cam lock bottom access panel (not available in size 22)

DIMENSIONS ARE GIVEN AS INCHES (MM)

INLET SIZE	NOM MAX CFM(L/s)	L	W	H	A	B	C	D	X
4	230 (109)	15 1/2 (394)	12 (305)	8 (203)	5 3/8 (136)	1 1/2 (38)	2 1/8 (54)	3 7/8 (98)	7 1/4 (184)
5	360 (170)	15 1/2 (394)	12 (305)	8 (203)	5 3/8 (136)	1 1/2 (38)	2 1/8 (54)	4 7/8 (124)	7 1/4 (184)
6	520 (245)	15 1/2 (394)	12 (305)	8 (203)	3 3/8 (86)	1 1/2 (38)	2 1/8 (54)	5 7/8 (149)	7 1/4 (184)
7	710 (335)	15 1/2 (394)	12 (305)	10 (254)	3 3/8 (86)	1 1/2 (38)	1 1/8 (29)	6 7/8 (175)	7 1/4 (184)
8	925 (437)	15 1/2 (394)	12 (305)	10 (254)	3 3/8 (86)	1 1/2 (38)	1 1/8 (29)	7 7/8 (200)	7 1/4 (184)
9	1200 (566)	15 1/2 (394)	14 (356)	12 1/2 (318)	3 3/8 (86)	2 1/2 (64)	-	8 7/8 (225)	5 1/4 (133)
10	1450 (685)	15 1/2 (394)	14 (356)	12 1/2 (318)	3 3/8 (86)	2 1/2 (64)	-	9 7/8 (251)	5 1/4 (133)
12	2100 (991)	15 1/2 (394)	16 (406)	15 (381)	3 3/8 (86)	3 1/2 (89)	-	11 7/8 (302)	5 1/4 (133)
14	2900 (1369)	15 1/2 (394)	20 (508)	17 1/2 (445)	3 3/8 (86)	5 1/2 (140)	-	13 7/8 (352)	3 1/4 (83)
16	3700 (1746)	15 1/2 (394)	24 (610)	18 (457)	3 3/8 (86)	7 1/2 (191)	-	15 7/8 (403)	3 1/4 (83)
22	7100 (3351)	15 (381)	38 (965)	18 (457)	4 1/4 (108)	NA	1 1/8 (29)	SEE ABOVE	5 1/4 (133)

JOB NAME	JOB NUMBER	LOCATION	DRAWING NUMBER
BUYER	BUYER #	REVISION E	SHEET 1 OF 1
			35E-202-1

PRODUCT INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

09/03/2021

14 IN VAV INLET HW REHEAT

Project: CMS Grier-HV-Newell Relief
Prepared By: Paul Shelor

04/12/2022
07:29AM

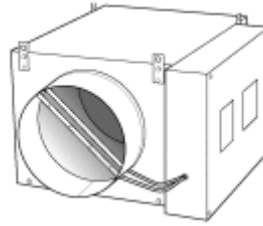
14 IN VAV INLET HW REHEAT

**Tag Cover Sheet
Unit Report
Certified Drawing**

Unit Report For 14 IN VAV INLET HW REHEAT

Project: CMS Grier-HV-Newell Relief
 Prepared By: Paul Shelor

04/12/2022
 07:29AM



Unit Parameters

Tag Name: **14 IN VAV INLET HW REHEAT**
 Quantity: **1**
 Model Type: **Field or Factory Installed Controls by Others**
 Model: **35E Single Duct Terminals**
 Unit and Inlet Size: **14 Inch (486 - 2800 CFM)**
 Part Number: **35EN3021R140DXX00000SDH0W1200000.OP0000199505001000**
 Reheat Option: **Water Reheat**
 Insulation Lining: **Steriliner**

Dimensions

Unit Depth: **23.0** in
 Unit Width: **20.0** in
 Unit Height: **18.0** in
 Unit Operating Weight : **68** lb

*** Weights and Dimensions are approximate. Weight does not include curbs and accessories. Approximate dimensions are provided primarily for shipping purposes. For exact dimensions, refer to certified drawings.

Warranty Information

1 Year Parts Only Warranty


Ordering Information

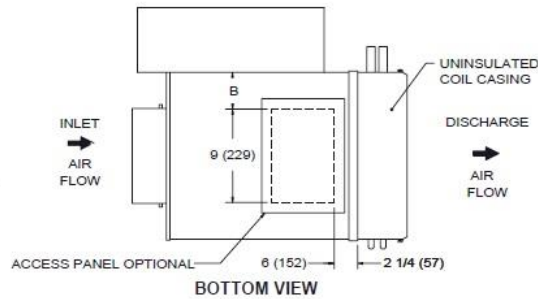
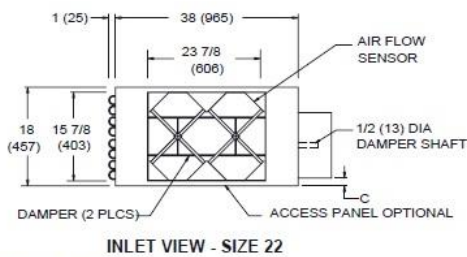
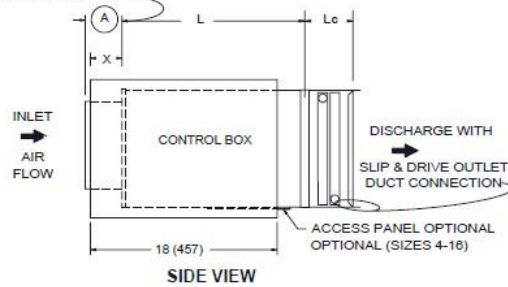
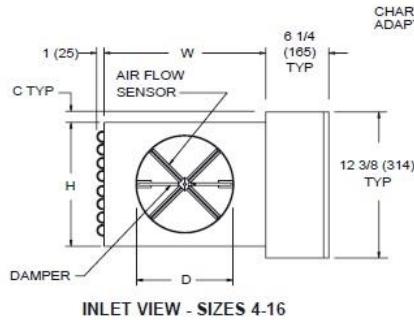
Part Number	Description	Quantity
Base Unit		
35EN3021R140DXX00000SDH0W1200000.OP0000199505001000	35E Single Duct Terminals	1
	Base Unit	
	Steriliner	
	22 Gauge, Right Hand Ctrl, w/Access Panel	
	DXX0: Factory Installed Controls Provided by Others	
	2 Row/Right	
	LineaCross (4 quadrant)	
	Hangers	
	Non-Fused Disconnect For Controls	
	120-24 Vac Transformer	
	Water Coil Vent & Drain	
Accessories		

Certified Drawing for 14 IN VAV INLET HW REHEAT

Project: CMS Grier-HV-Newell Relief
Prepared By: Paul Shelor

04/12/2022
07:29AM

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CATALOG #					



STANDARD FEATURES:

- 22 Ga. Zinc coated steel construction.
- NEMA 1 steel control enclosure for electronic components
- 1/2" thick dual density fiberglass insulation meeting NFPA 90A and UL 181 safety requirements.
- Four quadrant averaging cross flow sensor
- Hot water coils. See form TS0005 for dimensions and specifications
- Variety of analog and digital control packages for pressure independent systems.
- AHRI certified sound ratings

NOTE: Right hand configuration shown, left hand available.

DIMENSIONS ARE GIVEN AS INCHES (MM)

OPTIONAL FEATURES:

- 20 Ga. Zinc coated steel construction
- Liners:
 - 1/2" dual density fiberglass
 - 1" dual density fiberglass
 - Perforated double wall 1/2"
 - Perforated double wall 1"
 - 1/2" Cellular - fibre free
- Linear averaging sensor.
- Disconnect switch for electronic controls
- 24 volt transformer.
- Left hand controls.
- Left hand water coil connection
- Dust tight control enclosure
- Bottom access panel (not available in size 22)
- Cam lock bottom access panel (not available in size 22)
- None
- Steriliner
- Sterilwall 1/2"
- Sterilwall 1"
- 1" Cellular - fibre free
- Right Hand Controls
- Right Hand Water Coil Connection
- Hanger Brackets

INLET SIZE	NOM MAX CFM (L/s)	L	W	H	A	B	C	D	X
4	230 (109)	15 1/2 (394)	12 (305)	8 (203)	5 3/8 (136)	1 1/2 (38)	2 1/8 (54)	3 7/8 (98)	7 1/4 (184)
5	360 (170)	15 1/2 (394)	12 (305)	8 (203)	5 3/8 (136)	1 1/2 (38)	2 1/8 (54)	4 7/8 (124)	7 1/4 (184)
6	520 (245)	15 1/2 (394)	12 (305)	8 (203)	3 3/8 (86)	1 1/2 (38)	2 1/8 (54)	5 7/8 (149)	7 1/4 (184)
7	710 (335)	15 1/2 (394)	12 (305)	10 (254)	3 3/8 (86)	1 1/2 (38)	1 1/8 (29)	6 7/8 (175)	7 1/4 (184)
8	925 (437)	15 1/2 (394)	12 (305)	10 (254)	3 3/8 (86)	1 1/2 (38)	1 1/8 (29)	7 7/8 (200)	7 1/4 (184)
9	1200 (566)	15 1/2 (394)	14 (356)	12 1/2 (318)	3 3/8 (86)	2 1/2 (64)	-	8 7/8 (225)	5 1/4 (133)
10	1450 (685)	15 1/2 (394)	14 (356)	12 1/2 (318)	3 3/8 (86)	2 1/2 (64)	-	9 7/8 (251)	5 1/4 (133)
12	2100 (991)	15 1/2 (394)	16 (406)	15 (381)	3 3/8 (86)	3 1/2 (89)	-	11 7/8 (302)	5 1/4 (133)
14	2900 (1369)	15 1/2 (394)	20 (508)	17 1/2 (445)	3 3/8 (86)	5 1/2 (140)	-	13 7/8 (352)	3 1/4 (83)
16	3700 (1746)	15 1/2 (394)	24 (610)	18 (457)	3 3/8 (86)	7 1/2 (191)	-	15 7/8 (403)	3 1/4 (83)
22	7100 (3351)	15 (381)	38 (965)	18 (457)	4 1/4 (108)	NA	1 1/8 (29)	SEE ABOVE	5 1/4 (133)

JOB NAME	JOB NUMBER	LOCATION	DRAWING NUMBER
BUYER	BUYER #	REVISION C	SHEET 1 OF 1
			35E-202-3


PRODUCT INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

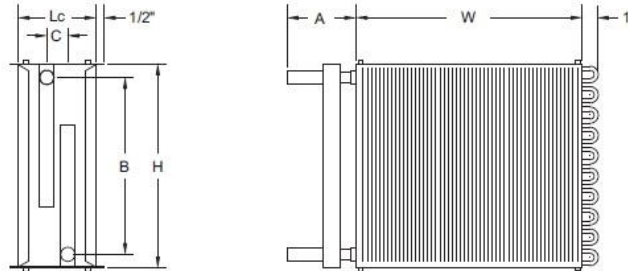
09/03/2021

Certified Drawing for 14 IN VAV INLET HW REHEAT

Project: CMS Grier-HV-Newell Relief
Prepared By: Paul Shelor

04/12/2022
07:29AM

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CATALOG #					



- NOTES:**
1. 35E coils are shipped from the factory attached to the unit discharge. Coil discharge is configured for slip and drive field ductwork installation. Coil section is uninsulated. Coils are not for steam applications.
 2. CONNECTION TUBING – 0.032-in. thick copper, male solder connection. Refer to connection diameter shown in the table below.
 3. COIL CASING – 20-gage galvanized steel
 4. COIL TUBING – ½ in. OD x 0.016-in. thick copper
 5. COIL FINS – 0.0045-in. thick aluminum, 10 per inch, mechanically bonded to tubing.
 6. COILS ACCESSORIES – optional air vent and drain
 7. Unit dimensions given in inches

35E UNIT SIZE	NO. OF ROWS IN COILS	H	W	Lc	A	B	C	WATER CONN (OD)
04, 05, 06	1 Row	7 7/8	12	5	3	6 1/4	-	1/2
	2 Row	7 7/8	12	5	3	6 1/4	-	5/8
	3 Row	7 7/8	12	7 1/4	4 1/4	5 7/8	2 3/16	7/8
	4 Row	7 7/8	12	7 1/4	4 1/4	6 1/4	3 1/4	7/8
07, 08	1 Row	10 1/4	12	5	3	8 3/4	-	1/2
	2 Row	10 1/4	12	5	2 4/7	8 3/4	-	5/8
	3 Row	10 1/4	12	7 1/4	4 1/4	8 3/8	2 3/16	7/8
	4 Row	10 1/4	12	7 1/4	4 1/4	9	3 1/4	7/8
09, 10	1 Row	12 3/4	14	5	4 1/4	10 7/8	1 1/8	7/8
	2 Row	12 3/4	14	5	4 1/4	11 1/2	1 1/16	7/8
	3 Row	12 3/4	14	7 1/4	4 1/4	10 7/8	2 3/16	7/8
	4 Row	12 3/4	14	7 1/4	4 1/4	11 1/2	3 1/4	7/8
12	1 Row	15 1/4	16	5	4 1/4	13 3/8	1 1/8	7/8
	2 Row	15 1/4	16	5	4 1/4	14	1 1/16	7/8
	3 Row	15 1/4	16	7 1/4	4 1/4	13 3/8	2 3/16	7/8
	4 Row	15 1/4	16	7 1/4	4 1/4	14	3 1/4	7/8
14	1 Row	17 3/4	20	7 1/2	4 1/4	15 7/8	1 1/8	7/8
	2 Row	17 3/4	20	7 1/2	4 1/4	16 1/2	1 1/16	7/8
	3 Row	17 3/4	20	9 3/4	4 1/4	15 7/8	2 3/16	7/8
	4 Row	17 3/4	20	9 3/4	4 1/4	16 1/2	3 1/4	7/8
16	1 Row	17 3/4	24	7 1/2	4 1/4	15 7/8	1 1/8	7/8
	2 Row	17 3/4	24	7 1/2	4 1/4	16 1/2	1 1/16	7/8
	3 Row	17 3/4	24	9 3/4	4 1/4	15 7/8	2 3/16	7/8
	4 Row	17 3/4	24	9 3/4	4 1/4	16 1/2	3 1/4	7/8
22	1 Row	17 3/4	38	5	4 1/4	15 7/8	1 1/8	7/8
	2 Row	17 3/4	38	5	4 1/4	16 1/2	1 1/16	7/8
	3 Row	17 3/4	38	7 1/4	4 1/4	15 7/8	2 3/16	7/8
	4 Row	17 3/4	38	7 1/4	4 1/4	16 1/2	3 1/4	7/8

PRODUCT INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

03/25/2021

JOB NAME	JOB NUMBER	LOCATION	DRAWING NUMBER
BUYER	BUYER #	REVISION B	SHEET 1 OF 1
			35E-202-7