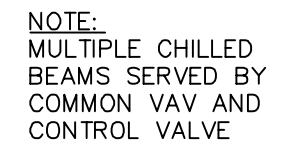
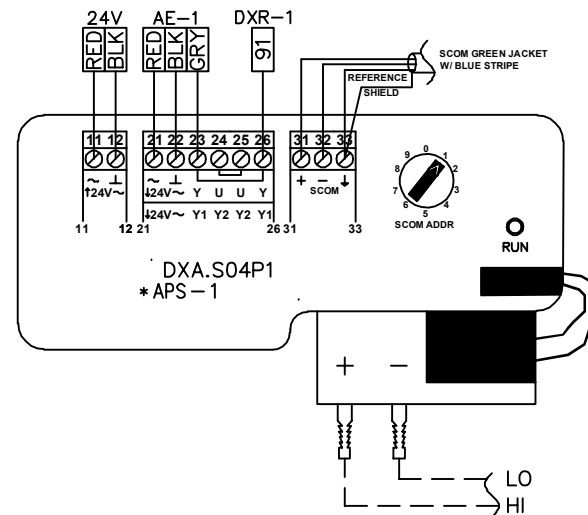
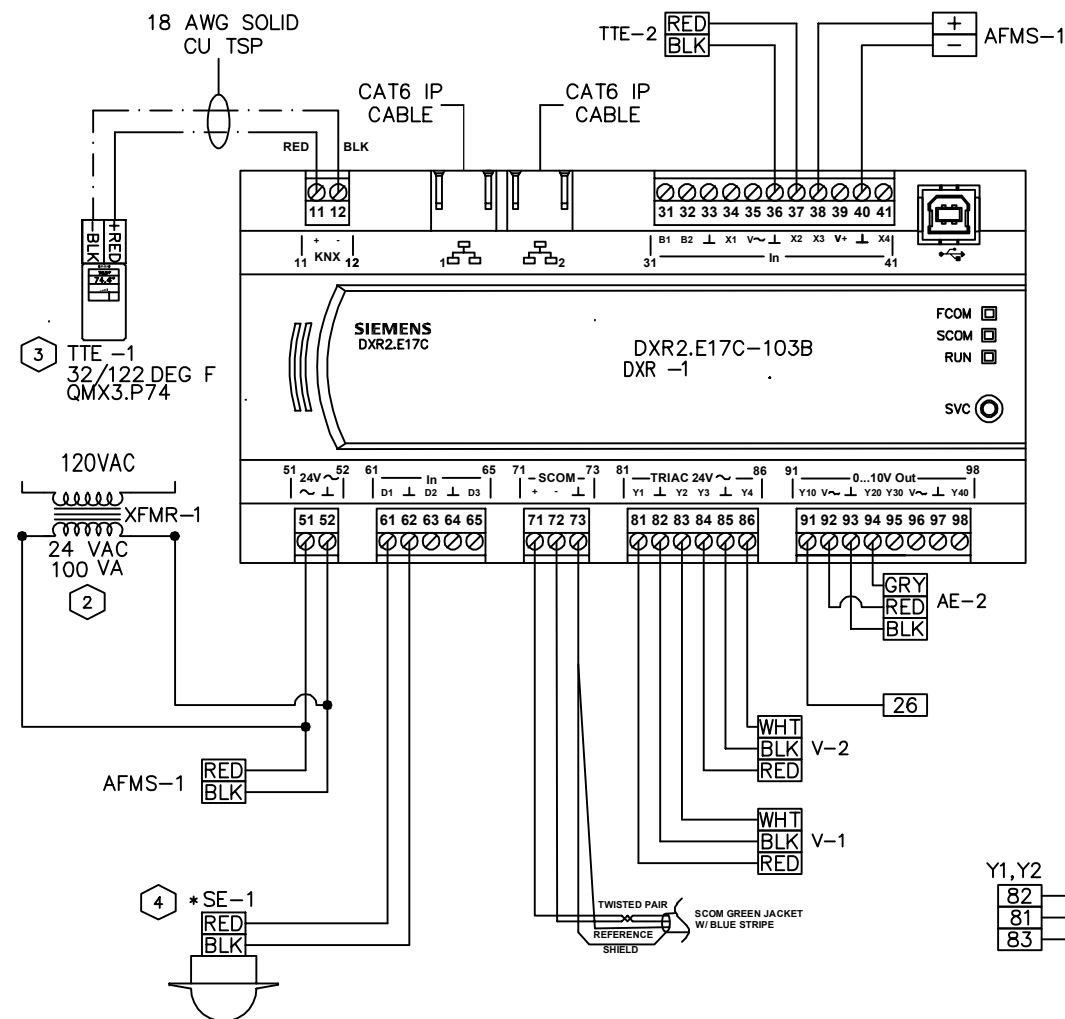


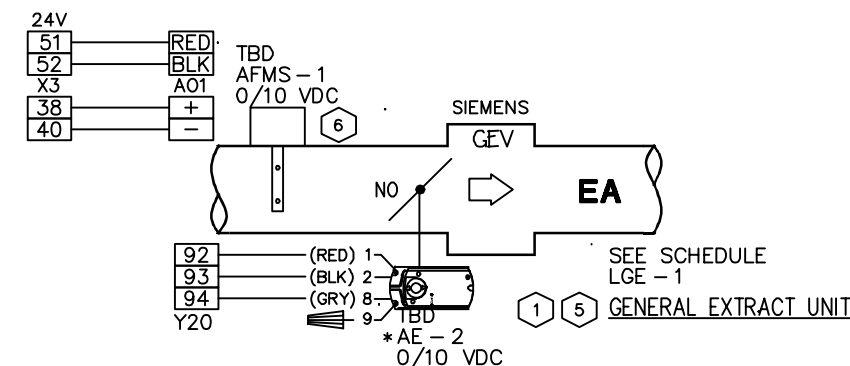
- 24V
- |    |   |     |
|----|---|-----|
| 51 | — | RED |
| 52 | — | BLK |
| X3 | — | AO1 |
| 38 | — | +   |
| 40 | — | —   |
- TBD AFMS - 1  
0/10 VDC
- SIEMENS  
GEV
- NO
- EA
- 92 (RED) 1  
93 (BLK) 2  
94 (GRY) 8
- Y20
- TBD  
\* AE - 2  
0/10 VDC
- SEE SCHEDULE  
LGE - 1
- GENERAL EXTRACT UNIT

[illegible]

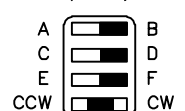


#### INSTALLATION NOTES:

- 1 VAV BOX INSTALLED BY MECHANICAL CONTRACTOR WITH 3 TO 5 STRAIGHT DUCT DIAMETERS UPSTREAM OF THE BOX TO PROVIDE PROPER FLOW SENSING
- 2 120VAC PROVIDED BY ELECTRICAL CONTRACTOR TO TRANSFORMER LOCATED IN SUPPLY BOX. 100VA TRANSFORMER REQUIRED.
- 3 DEVICES TO BE FIELD MOUNTED BY SIEMENS. REFER TO MECH FLOOR PLANS FOR LOCATION.
- 4 DEVICES PROVIDED, INSTALLED, AND WIRED FOR OPERATION BY DIVISION 26 ELECTRICAL CONTRACTOR. AUXILIARY CONTACTS WIRED BY SIEMENS.
- 5 DEVICES TO BE FIELD INSTALLED BY MECHANICAL CONTRACTOR.
- 6 REFER TO DEVICE INSTALLATION GUIDE FOR MINIMUM PLACEMENT LOCATION.

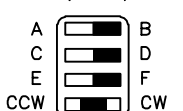


#### DIP SWITCH SETTING (AE-1)



ROTATION TO BE SET IN FIELD

#### DIP SWITCH SETTING (AE-2)



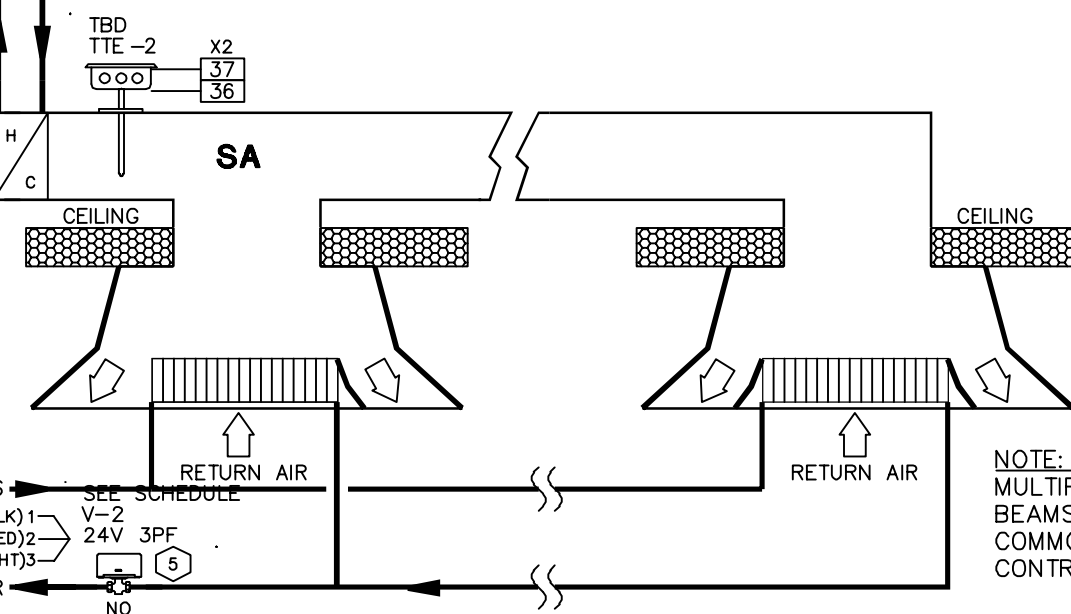
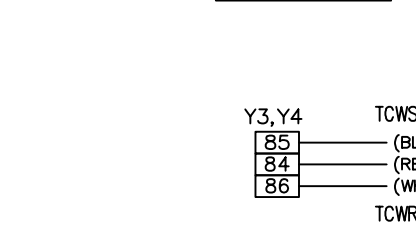
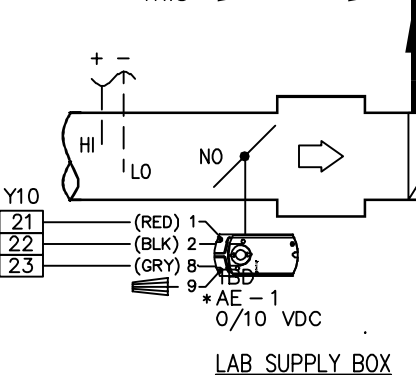
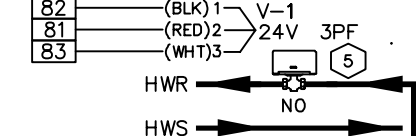
ROTATION TO BE SET IN FIELD

REMOVE CANOPY HOOD SWITCH  
ONE AFMS  
ADD PROPER CONTROL SIGNALS TO ALL DEVICES  
VERIFY TSTAT ON SUPPLY BOX  
VERIFY TSTAT IF CHILLED BEAM  
VERIFY DIP SWITCH  
FIGURE OUT FIELD INSTALLATION / FACTORY MOUNTING

#### ROOM APPLICATION 101

LOCATION: 1233.01, 1217.00, 1219.01  
SERVES: LAB SUPPLY, GEN EXHAUST, FUME HOOD, CB  
COPYRIGHT 2018 SIEMENS BUILDING TECHNOLOGIES, INC.  
HIGH SPEED ACTUATION

#### SEE SCHEDULE



NOTE:  
MULTIPLE CHILLED BEAMS SERVED BY COMMON VAV AND CONTROL VALVE

#### REVISION HISTORY

#### SIEMENS

1835-B Kramer Ln  
Suite 180  
Austin, TX 78758  
USA  
Phone: 512-339-6991  
Fax:

Siemens Building Technologies

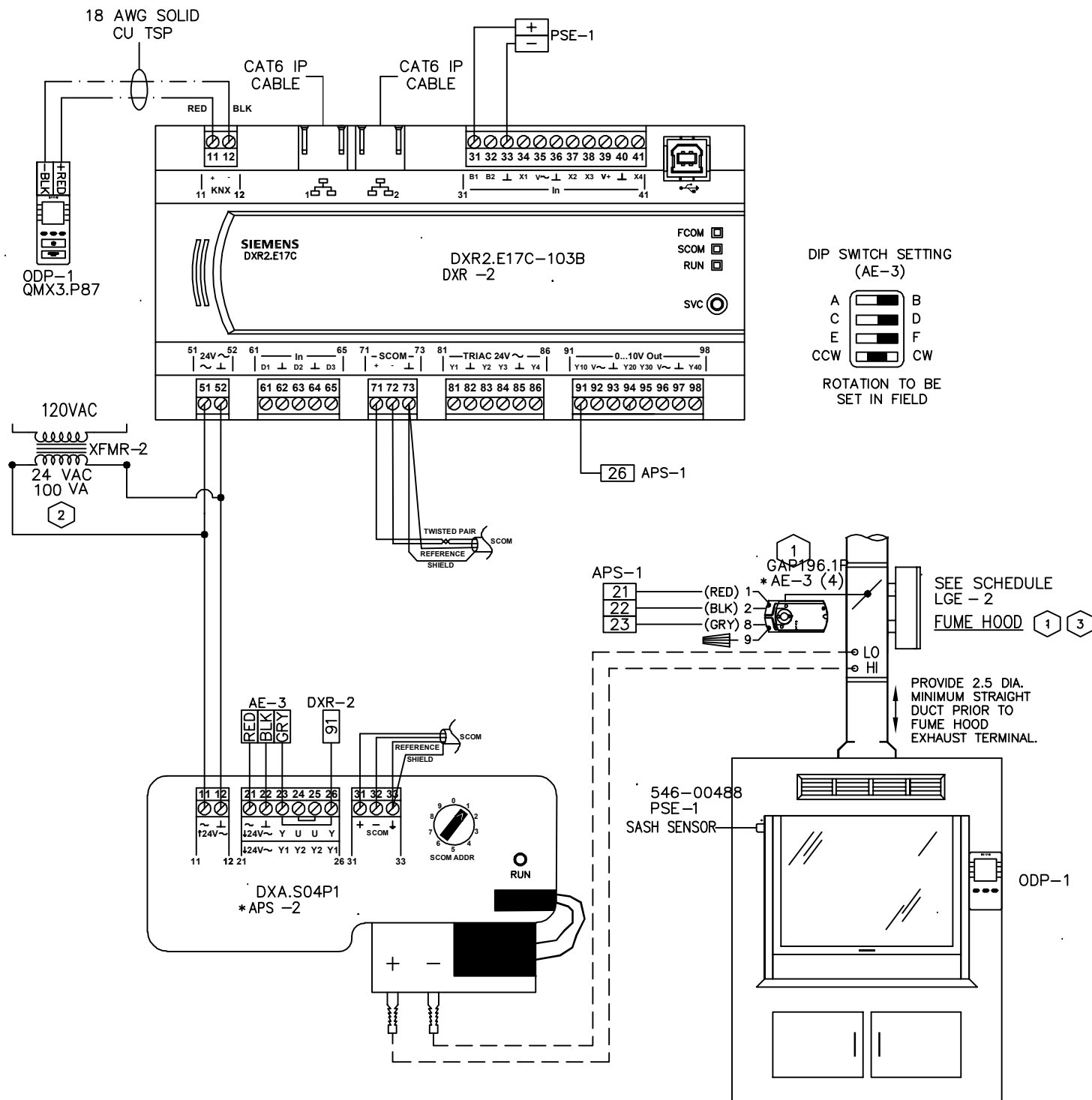
ACC Bond Rio Grande Retro  
Austin, TX

ENGINEER	DRAFTER	CHECKED BY	INITIAL RELEASE	LAST EDIT DATE
DR	DR	TM	07/25/18	06/29/18

LS, GE, LE FH, CB

440P-239338

702



INSTALLATION NOTE:

- 1 VAV BOX INSTALLED BY MECHANICAL CONTRACTOR WITH 3 TO 5 STRAIGHT DUCT DIAMETERS UPSTREAM OF THE BOX TO PROVIDE PROPER FLOW SENSING
- 2 120VAC PROVIDED BY ELECTRICAL CONTRACTOR TO TRANSFORMER LOCATED IN SUPPLY BOX. 100VA TRANSFORMER REQUIRED.
- 3 DEVICES TO BE FIELD INSTALLED BY MECHANICAL CONTRACTOR.

1 FUME HOOD CONTROL DIAGRAM  
702 LOCATION: 1233.01, 1217.00, 1219.01  
SERVES: FUME HOOD  
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HIGH SPEED ACTUATION

REVISION HISTORY

SIEMENS

Siemens Building Technologies

1835-B Kramer Ln  
Suite 180  
Austin, TX 78758  
USA  
Phone: 512-339-6991  
Fax:

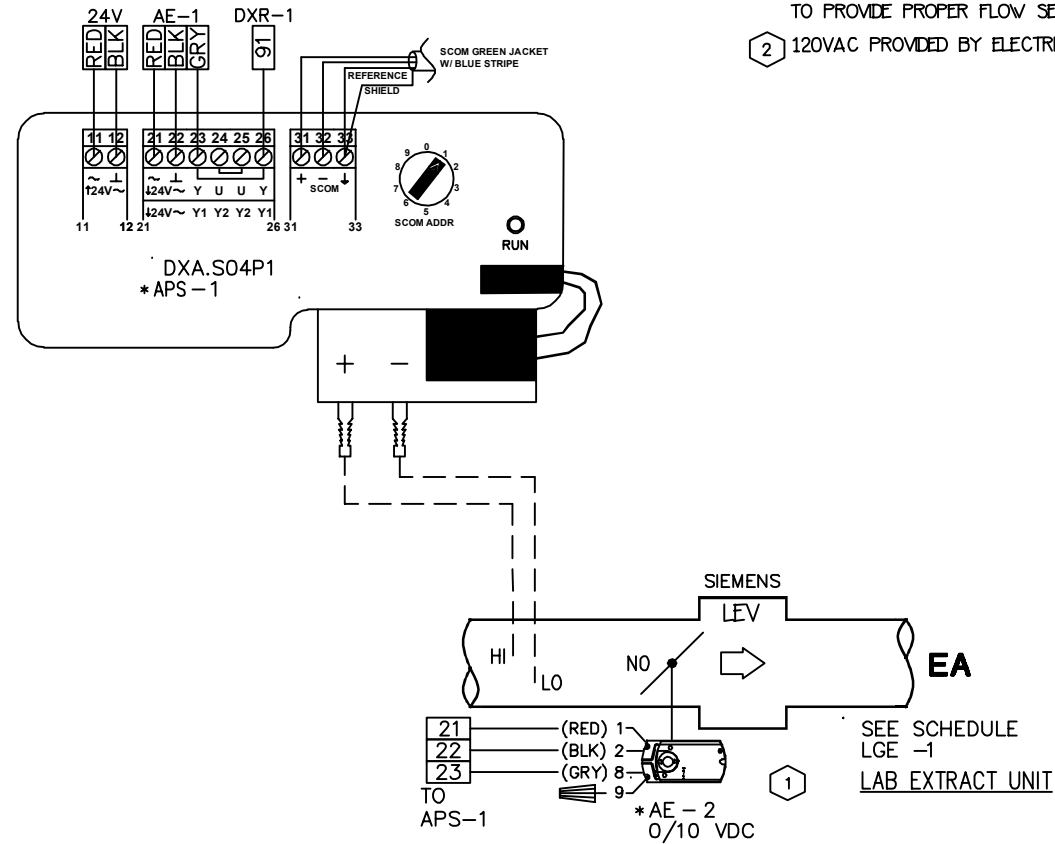
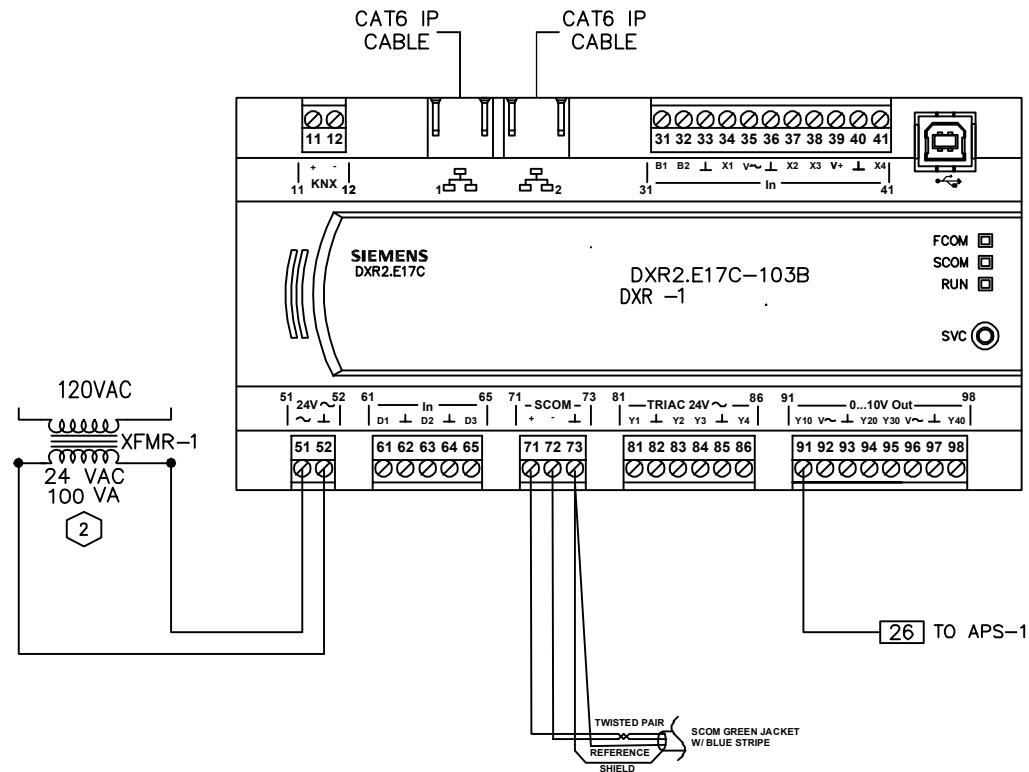
ACC Bond Rio Grande Retro  
Austin, TX

ENGINEER	DRAFTER	CHECKED BY	INITIAL RELEASE	LAST EDIT DATE
DR	DR	TM	07/25/18	06/29/18

LS, GE, LE FH, CB

440P-239338

702

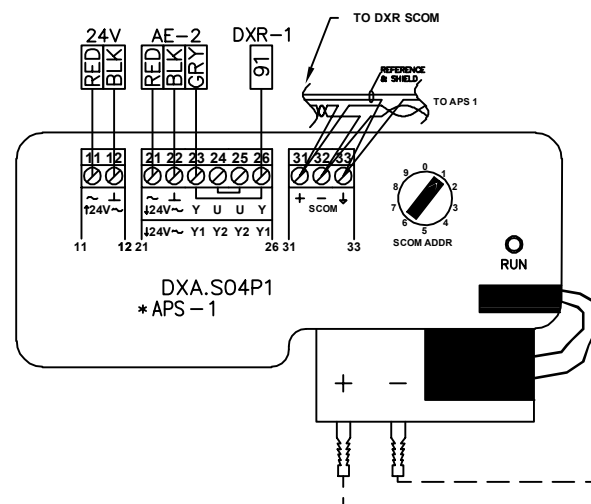
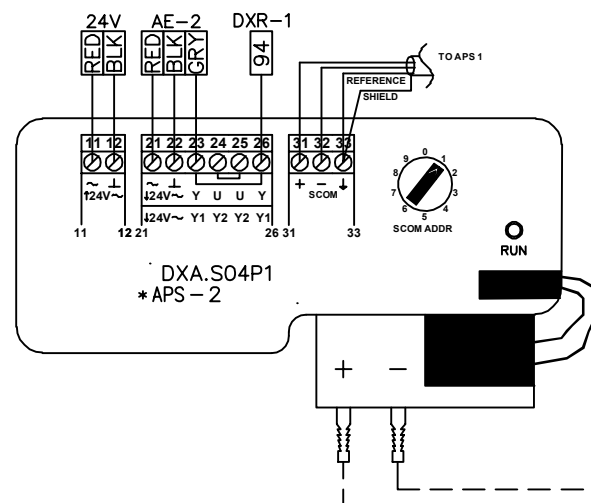
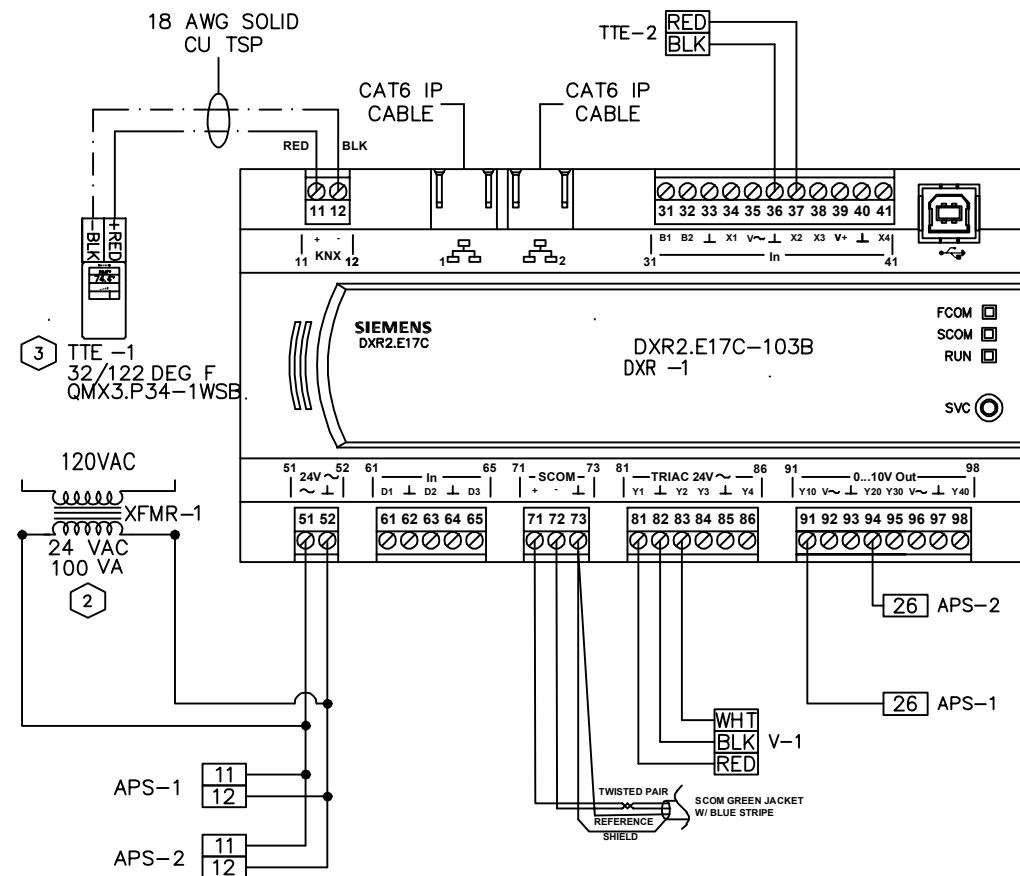


# INSTALLATION NOTES:

- VAV BOX INSTALLED BY MECHANICAL CONTRACTOR WITH 3 TO 5 STRAIGHT DUCT DIAMETERS UPSTREAM OF THE BOX TO PROVIDE PROPER FLOW SENSING
- 120VAC PROVIDED BY ELECTRICAL CONTRACTOR TO TRANSFORMER

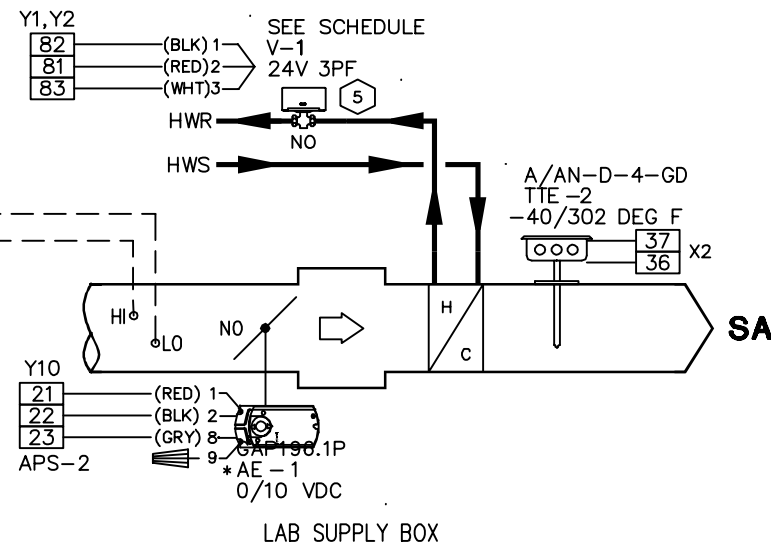
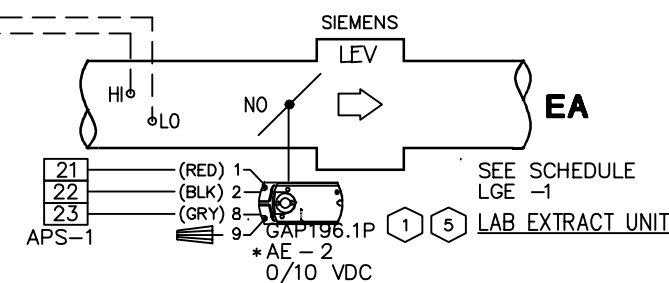
1 ROOM APPLICATION 103  
703 LOCATION: 1007.07  
SERVES: CHEMICAL STORAGE LAB EXTRACT  
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LOW SPEED ACTUATION

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		Siemens Building Technologies		Austin, TX			
		1835-B Kramer Ln Suite 180 Austin, TX 78758 USA Phone: 512-339-6991 Fax:		ENGINEER DR		DRAFTER DR	
				CHECKED BY		INITIAL RELEASE 07/25/18	
						LAST EDIT DATE 06/29/18	
				LE			



# INSTALLATION NOTES:

- VAV BOX INSTALLED BY MECHANICAL CONTRACTOR WITH 3 TO 5 STRAIGHT DUCT DIAMETERS UPSTREAM OF THE BOX TO PROVIDE PROPER FLOW SENSING
- 120VAC PROVIDED BY ELECTRICAL CONTRACTOR TO TRANSFORMER LOCATED IN SUPPLY BOX. 100VA TRANSFORMER REQUIRED.
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- DEVICES PROVIDED, INSTALLED, AND WIRED FOR OPERATION BY DIVISION 26 ELECTRICAL CONTRACTOR. AUXILIARY CONTACTS WIRED BY SIEMENS.
- DEVICES TO BE FIELD INSTALLED BY MECHANICAL CONTRACTOR.
- REFER TO DEVICE INSTALLATION GUIDE FOR MINIMUM PLACEMENT LOCATION.



1  
704

ROOM APPLICATION 104

LOCATION: 1219.04

SERVES: LAB SUPPLY, LAB EXHAUST

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LOW SPEED ACTUATION

## REVISION HISTORY

SIEMENS

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USA  
Phone: 512-339-6991  
Fax:

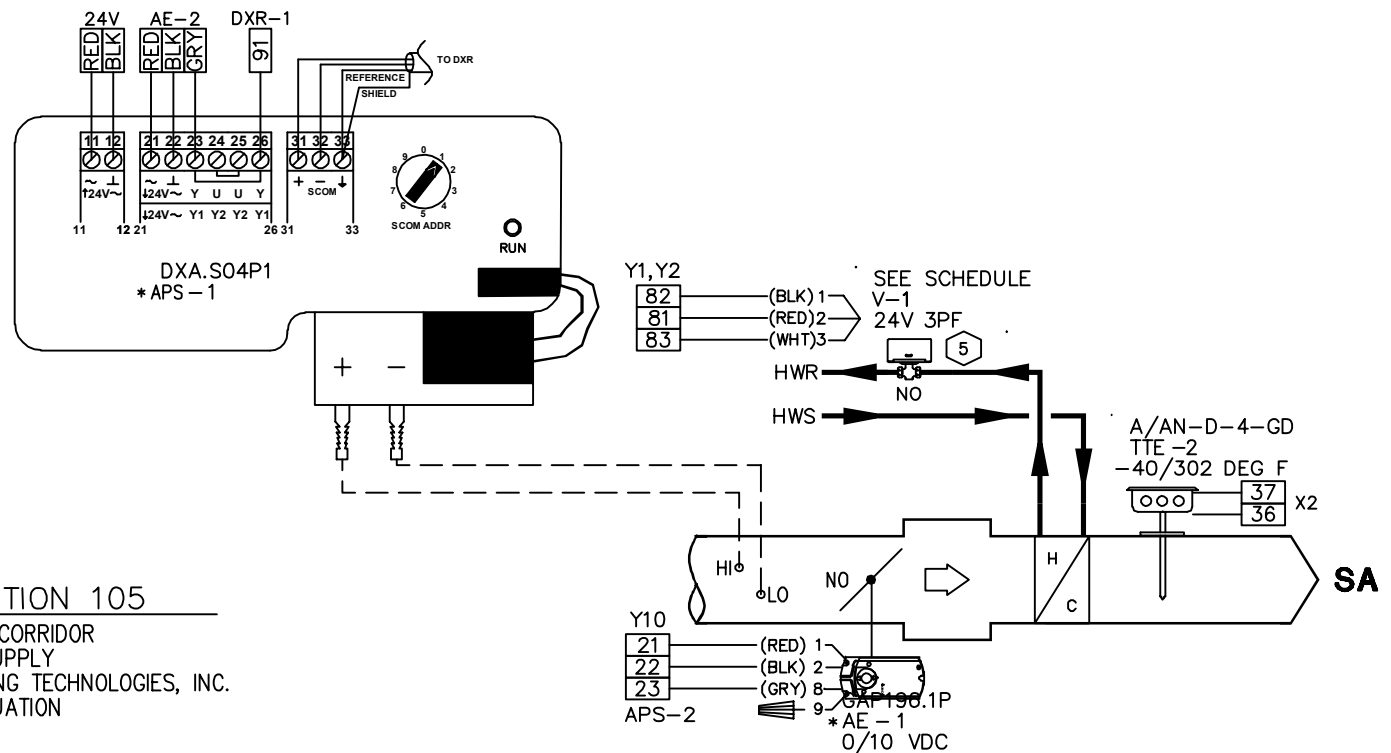
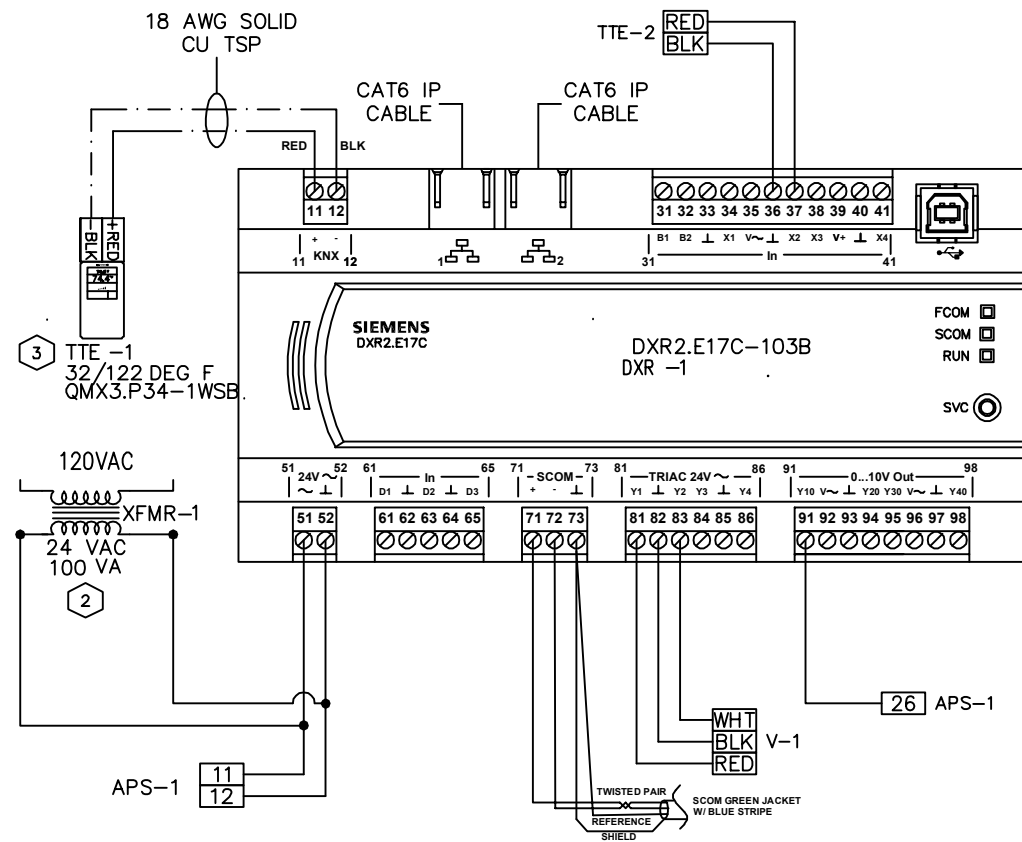
ACC Bond Rio Grande Retro  
Austin, TX

ENGINEER	DRAFTER	CHECKED BY	INITIAL RELEASE	LAST EDIT DATE
DR	DR	TM	07/25/18	06/29/18

LS, LE

440P-239338

704



1  
705 ROOM APPLICATION 105  
LOCATION: 1219.02 CORRIDOR  
SERVES: LAB SUPPLY  
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LOW SPEED ACTUATION

## REVISION HISTORY

**SIEMENS**

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Suite 180  
Austin, TX 78758  
USA  
Phone: 512-339-6991  
Fax:

Siemens Building Technologies

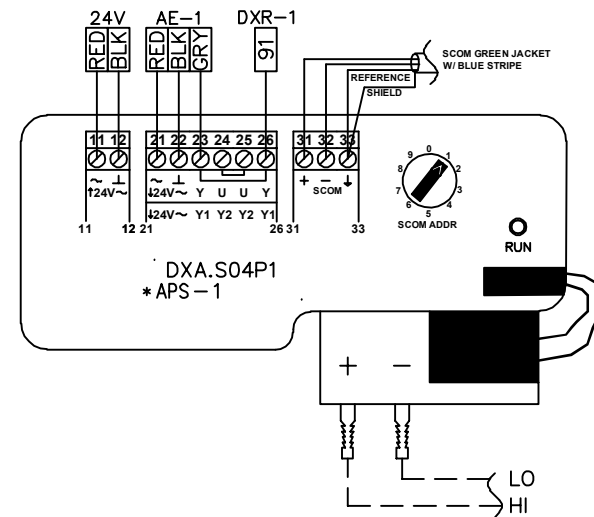
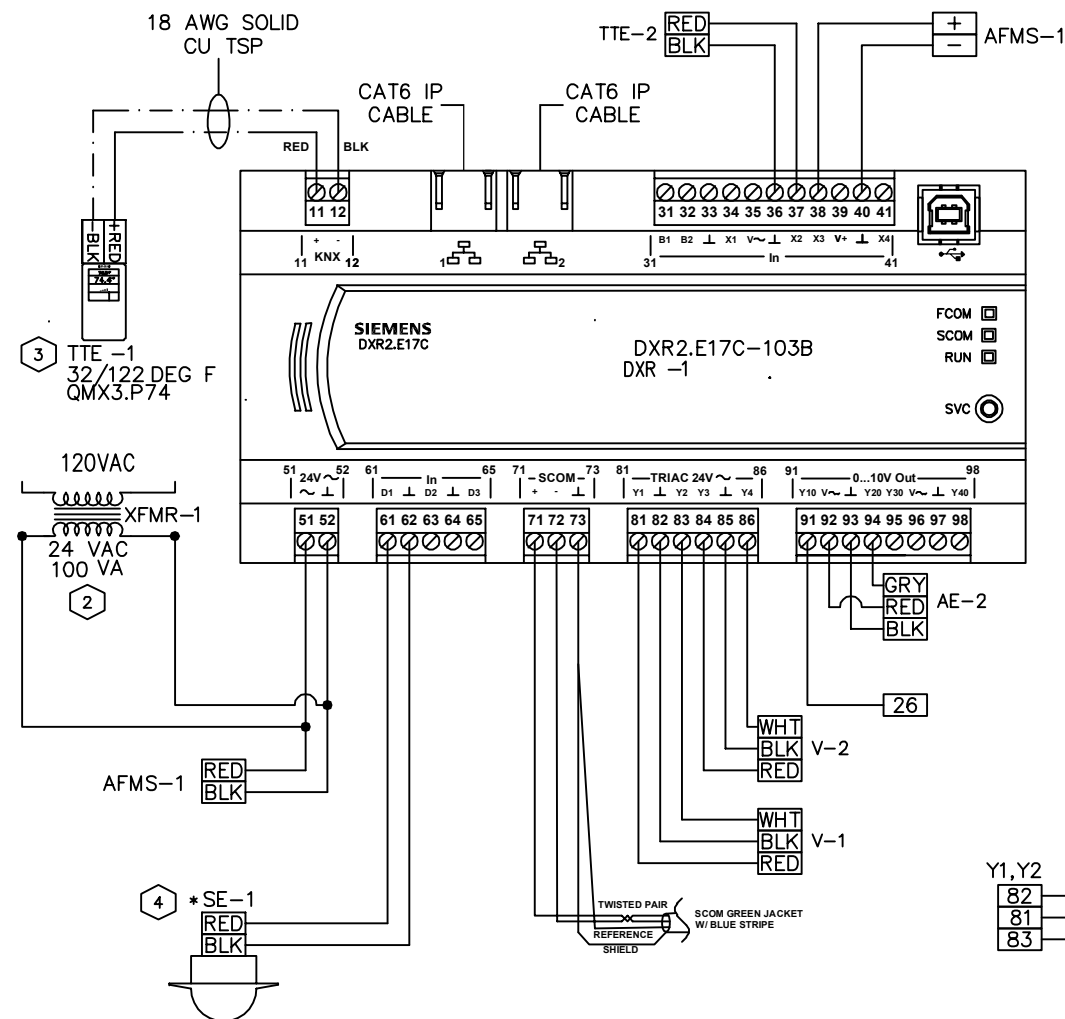
**ACC Bond Rio Grande Retro  
Austin, TX**

ENGINEER	DRAFTER	CHECKED BY	INITIAL RELEASE	LAST EDIT DATE
DR	DR		07/25/18	06/29/18

LS

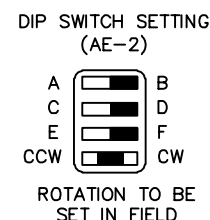
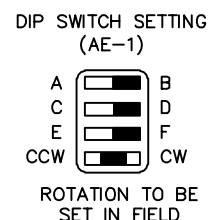
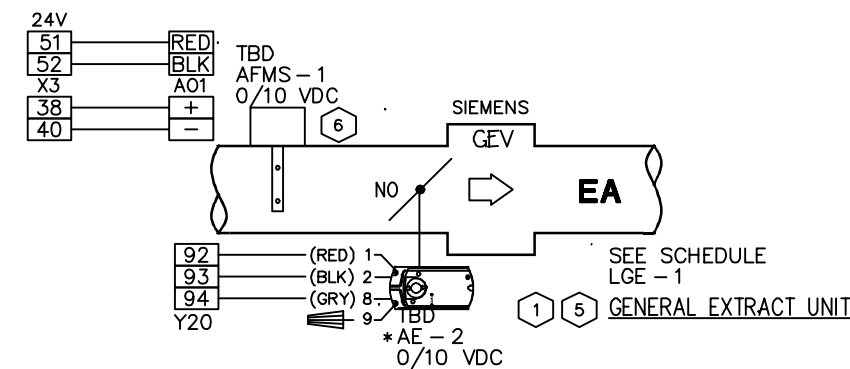
440P-239338

705



# INSTALLATION NOTES:

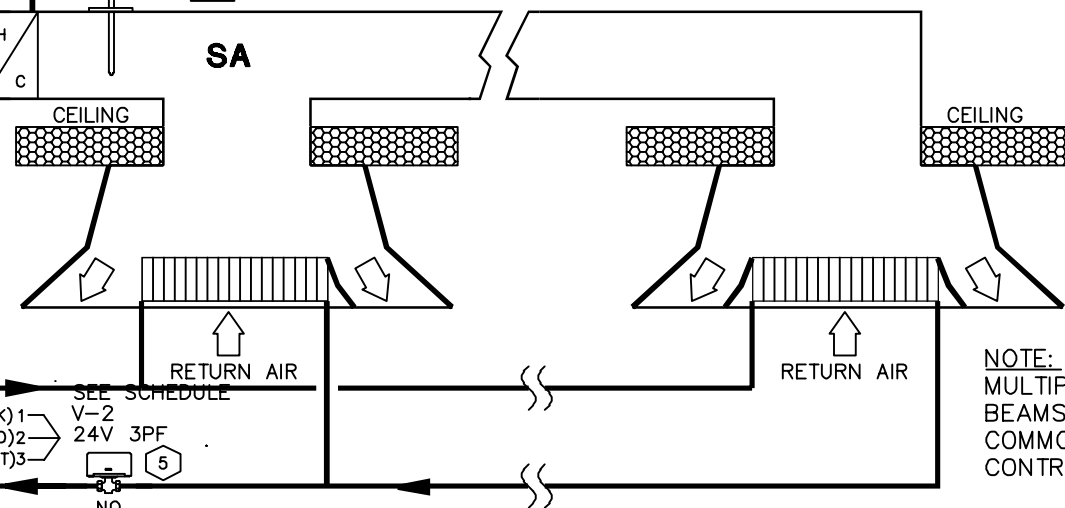
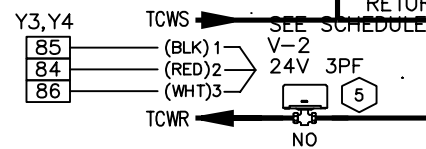
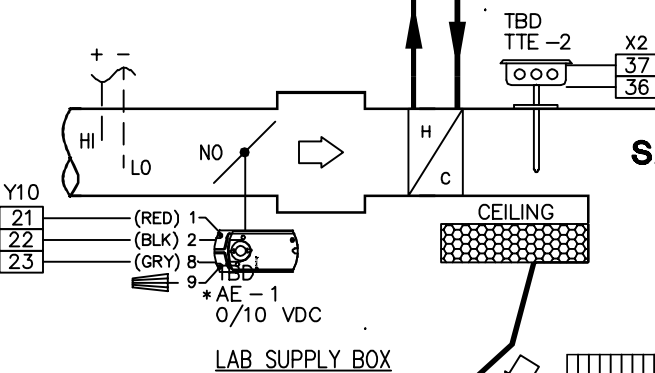
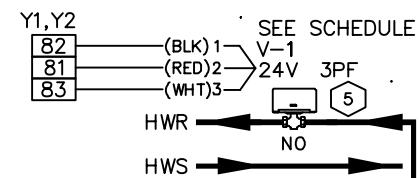
- 1 VAV BOX INSTALLED BY MECHANICAL CONTRACTOR WITH 3 TO 5 STRAIGHT DUCT DIAMETERS UPSTREAM OF THE BOX TO PROVIDE PROPER FLOW SENSING
- 2 120VAC PROVIDED BY ELECTRICAL CONTRACTOR TO TRANSFORMER LOCATED IN SUPPLY BOX. 100VA TRANSFORMER REQUIRED.
- 3 DEVICES TO BE FIELD MOUNTED BY SIEMENS. REFER TO MECH FLOOR PLANS FOR LOCATION.
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- 5 DEVICES TO BE FIELD INSTALLED BY MECHANICAL CONTRACTOR.
- 6 REFER TO DEVICE INSTALLATION GUIDE FOR MINIMUM PLACEMENT LOCATION.



REMOVE CANOPY HOOD SWITCH  
ONE AFMS  
ADD PROPER CONTROL SIGNALS TO ALL DEVICES  
VERIFY TSTAT ON SUPPLY BOX  
VERIFY TSTAT IF CHILLED BEAM  
VERIFY DIP SWITCH  
FIGURE OUT FIELD INSTALLATION FACTORY MOUNTING

## ROOM APPLICATION 107

LOCATION: 1325.03  
SERVES: SUPPLY, GEN EXHAUST, 2X FUME HOOD, CB  
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HIGH SPEED ACTUATION



NOTE:  
MULTIPLE CHILLED BEAMS SERVED BY COMMON VAV AND CONTROL VALVE

## REVISION HISTORY

## SIEMENS

1835-B Kramer Ln  
Suite 180  
Austin, TX 78758  
USA  
Phone: 512-339-6991  
Fax:

ACC Bond Rio Grande Retro  
Austin, TX

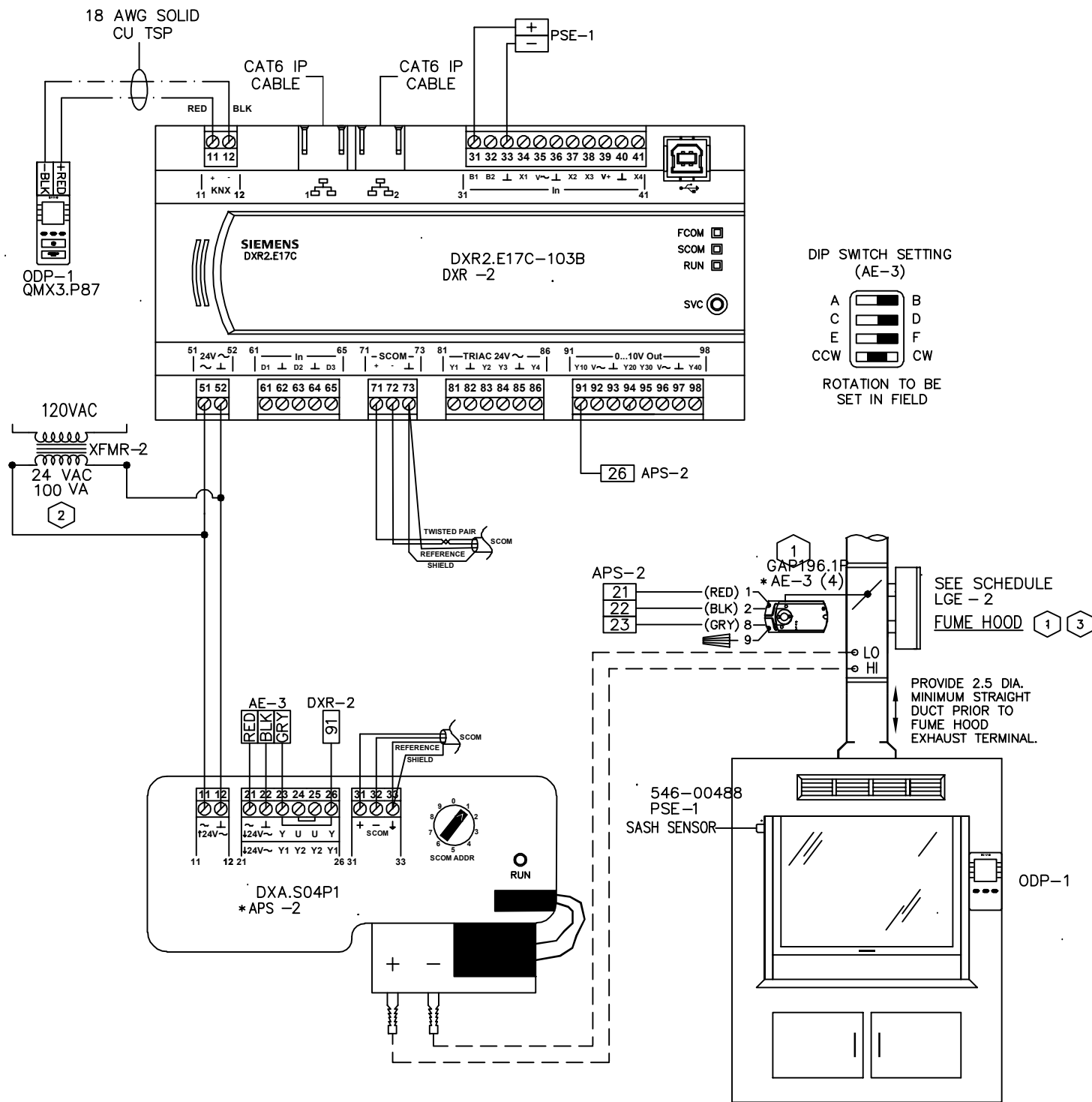
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DR	DR	TM	07/25/18	06/29/18

LS, GE

440P-239338

0

707

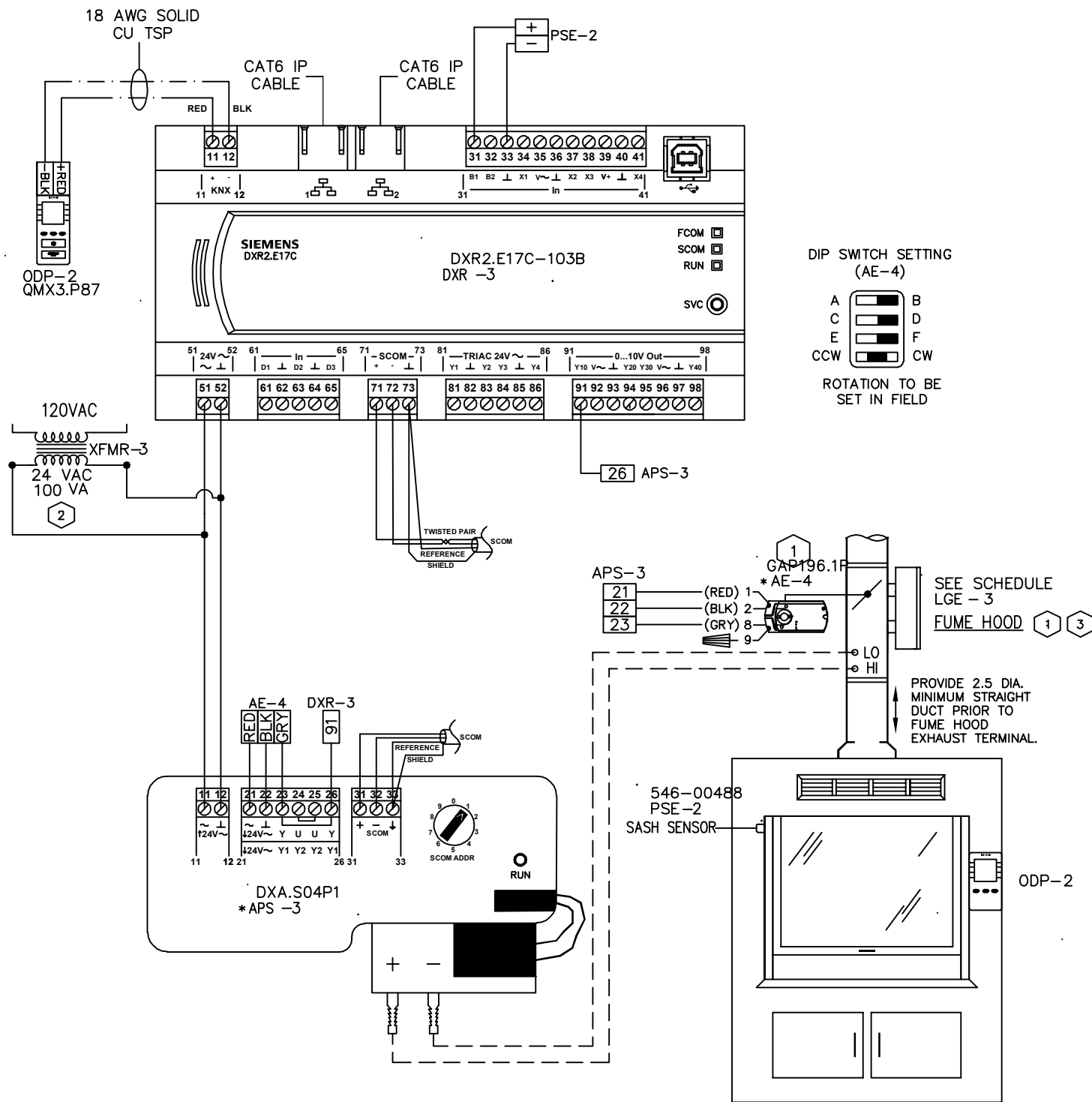


- INSTALLATION NOTE:
- 1 VAV BOX INSTALLED BY MECHANICAL CONTRACTOR WITH 3 TO 5 STRAIGHT DUCT DIAMETERS UPSTREAM OF THE BOX TO PROVIDE PROPER FLOW SENSING
  - 2 120VAC PROVIDED BY ELECTRICAL CONTRACTOR TO TRANSFORMER LOCATED IN SUPPLY BOX. 100VA TRANSFORMER REQUIRED.
  - 3 DEVICES TO BE FIELD INSTALLED BY MECHANICAL CONTRACTOR.

1 FUME HOOD CONTROL DIAGRAM  
707  
LOCATION: 1325.03  
SERVES: FUME HOOD  
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HIGH SPEED ACTUATION

REVISION HISTORY		SIEMENS		ACC Bond Rio Grande Retro		440P-239338	
		Siemens Building Technologies		Austin, TX		0	
		1835-B Kramer Ln Suite 180 Austin, TX 78758 USA Phone: 512-339-6991 Fax:		ENGINEER DR		DRAFTER DR	
				CHECKED BY TM		INITIAL RELEASE 07/25/18	
						LAST EDIT DATE 06/29/18	
				LE FH 1		707	





INSTALLATION NOTE:

- 1 VAV BOX INSTALLED BY MECHANICAL CONTRACTOR WITH 3 TO 5 STRAIGHT DUCT DIAMETERS UPSTREAM OF THE BOX TO PROVIDE PROPER FLOW SENSING
- 2 120VAC PROVIDED BY ELECTRICAL CONTRACTOR TO TRANSFORMER LOCATED IN SUPPLY BOX. 100VA TRANSFORMER REQUIRED.
- 3 DEVICES TO BE FIELD INSTALLED BY MECHANICAL CONTRACTOR.

1 FUME HOOD CONTROL DIAGRAM  
707  
LOCATION: 1325.03  
SERVES: FUME HOOD  
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HIGH SPEED ACTUATION

REVISION HISTORY

SIEMENS

Siemens Building Technologies

1835-B Kramer Ln  
Suite 180  
Austin, TX 78758  
USA  
Phone: 512-339-6991  
Fax:

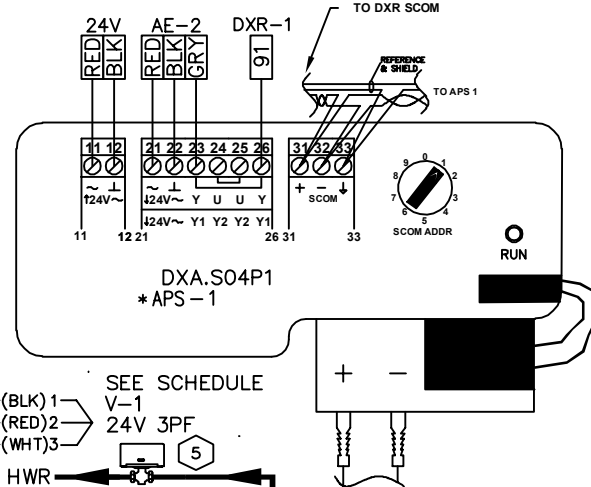
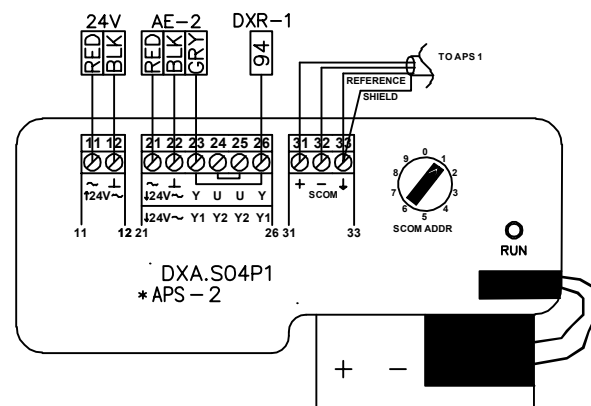
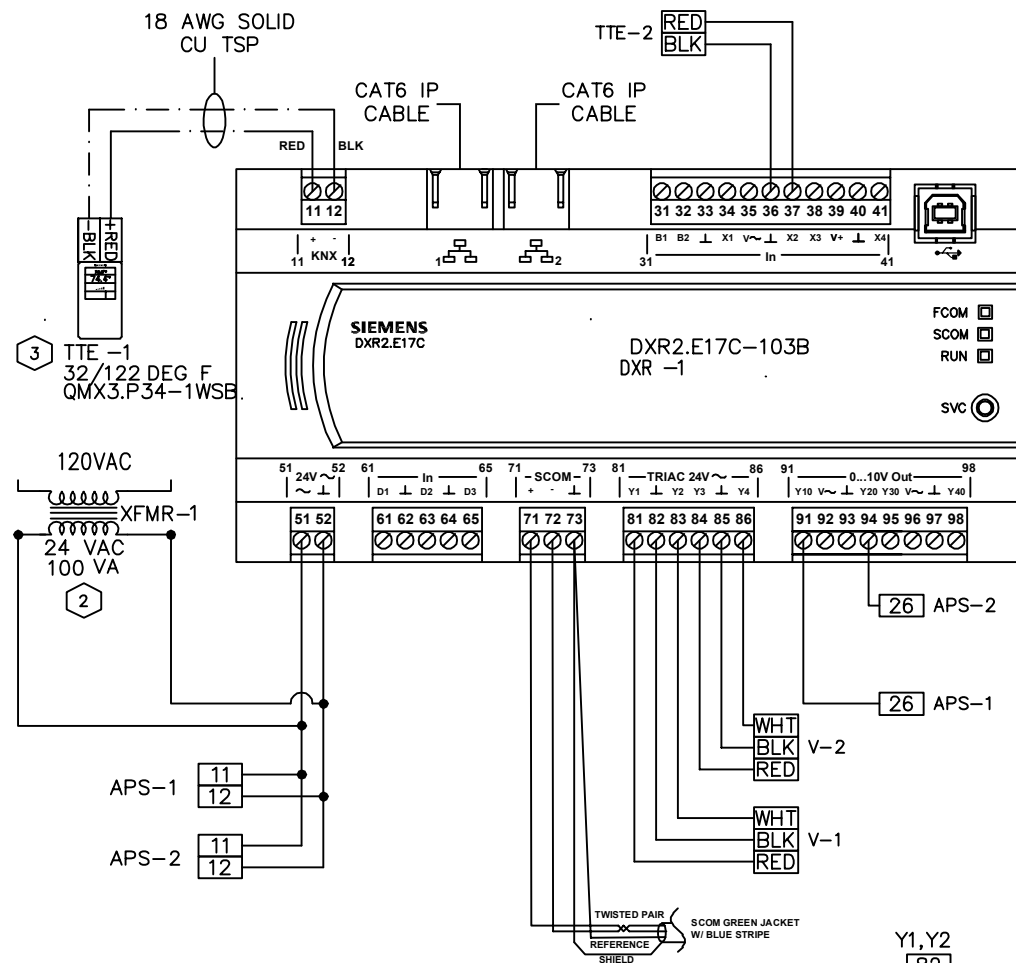
ACC Bond Rio Grande Retro  
Austin, TX

ENGINEER	DRAFTER	CHECKED BY	INITIAL RELEASE	LAST EDIT DATE
DR	DR	TM	07/25/18	06/29/18

LE FH 2

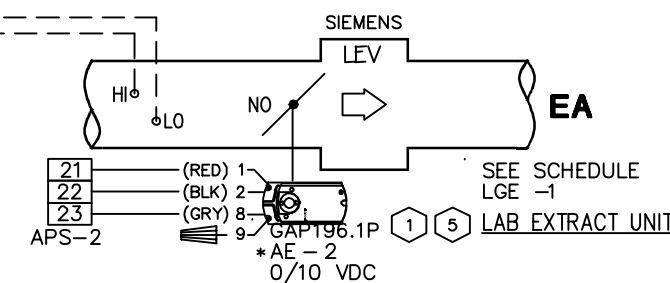
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707

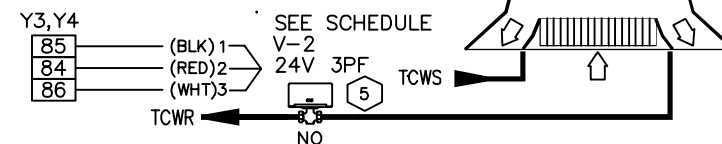
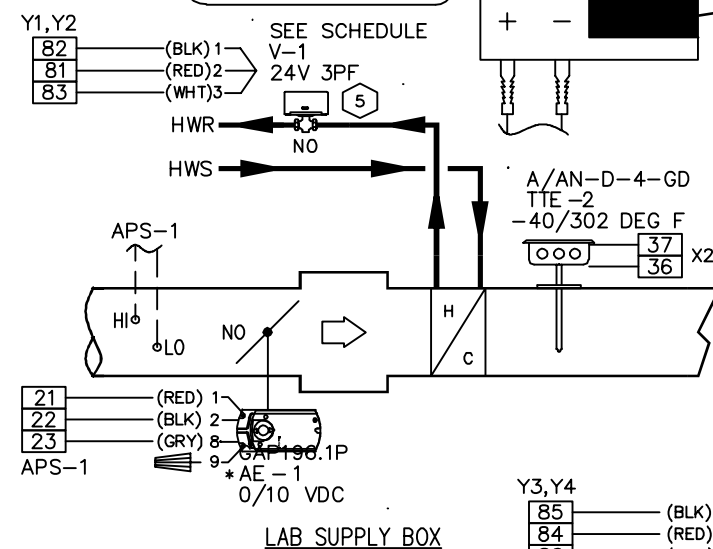


#### INSTALLATION NOTES:

- 1 VAV BOX INSTALLED BY MECHANICAL CONTRACTOR WITH 3 TO 5 STRAIGHT DUCT DIAMETERS UPSTREAM OF THE BOX TO PROVIDE PROPER FLOW SENSING
- 2 120VAC PROVIDED BY ELECTRICAL CONTRACTOR TO TRANSFORMER LOCATED IN SUPPLY BOX. 100VA TRANSFORMER REQUIRED.
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- 5 DEVICES TO BE FIELD INSTALLED BY MECHANICAL CONTRACTOR.
- 6 REFER TO DEVICE INSTALLATION GUIDE FOR MINIMUM PLACEMENT LOCATION.



1 ROOM APPLICATION 108  
708 LOCATION: 1325.04  
SERVES: LAB SUPPLY, LAB EXHAUST, CB  
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LOW SPEED ACTUATION



#### REVISION HISTORY

#### SIEMENS

1835-B Kramer Ln  
Suite 180  
Austin, TX 78758  
USA  
Phone: 512-339-6991  
Fax:

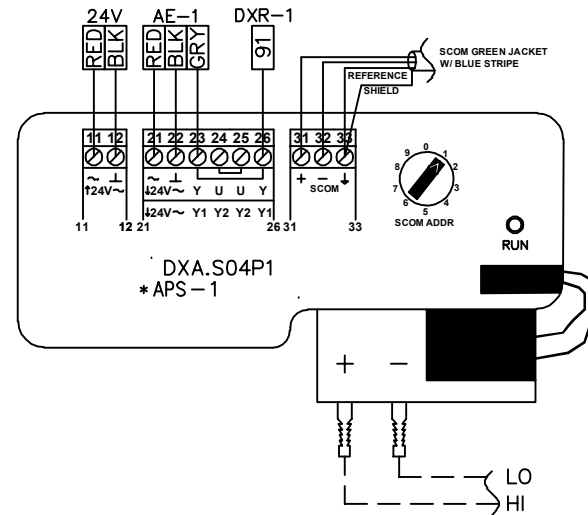
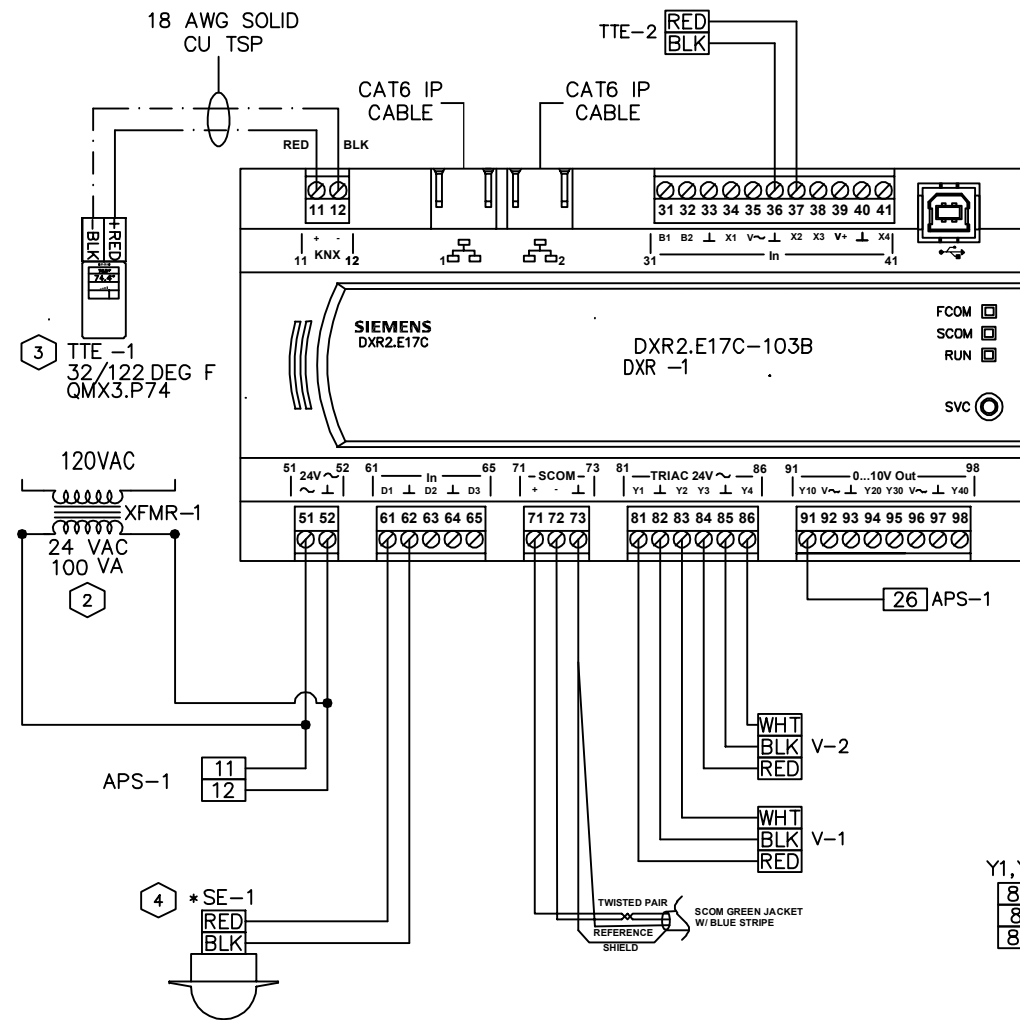
ACC Bond Rio Grande Retro  
Austin, TX

ENGINEER	DRAFTER	CHECKED BY	INITIAL RELEASE	LAST EDIT DATE
DR	DR	TM	07/25/18	06/29/18

LS, LE, CB

440P-239338

708



# INSTALLATION NOTES:

- VAV BOX INSTALLED BY MECHANICAL CONTRACTOR WITH 3 TO 5 STRAIGHT DUCT DIAMETERS UPSTREAM OF THE BOX TO PROVIDE PROPER FLOW SENSING
- 120VAC PROVIDED BY ELECTRICAL CONTRACTOR TO TRANSFORMER LOCATED IN SUPPLY BOX. 100VA TRANSFORMER REQUIRED.
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- REFER TO DEVICE INSTALLATION GUIDE FOR MINIMUM PLACEMENT LOCATION.

REMOVE CANOPY HOOD SWITCH  
ONE AFMS  
ADD PROPER CONTROL SIGNALS TO ALL DEVICES  
VERIFY TSTAT ON SUPPLY BOX  
VERIFY TSTAT IF CHILLED BEAM  
VERIFY DIP SWITCH  
FIGURE OUT FIELD INSTALLATION/FACTORY MOUNTING

**DIP SWITCH SETTING (AE-1)**

A	CCW	B	CW
C		D	
E		F	

ROTATION TO BE SET IN FIELD

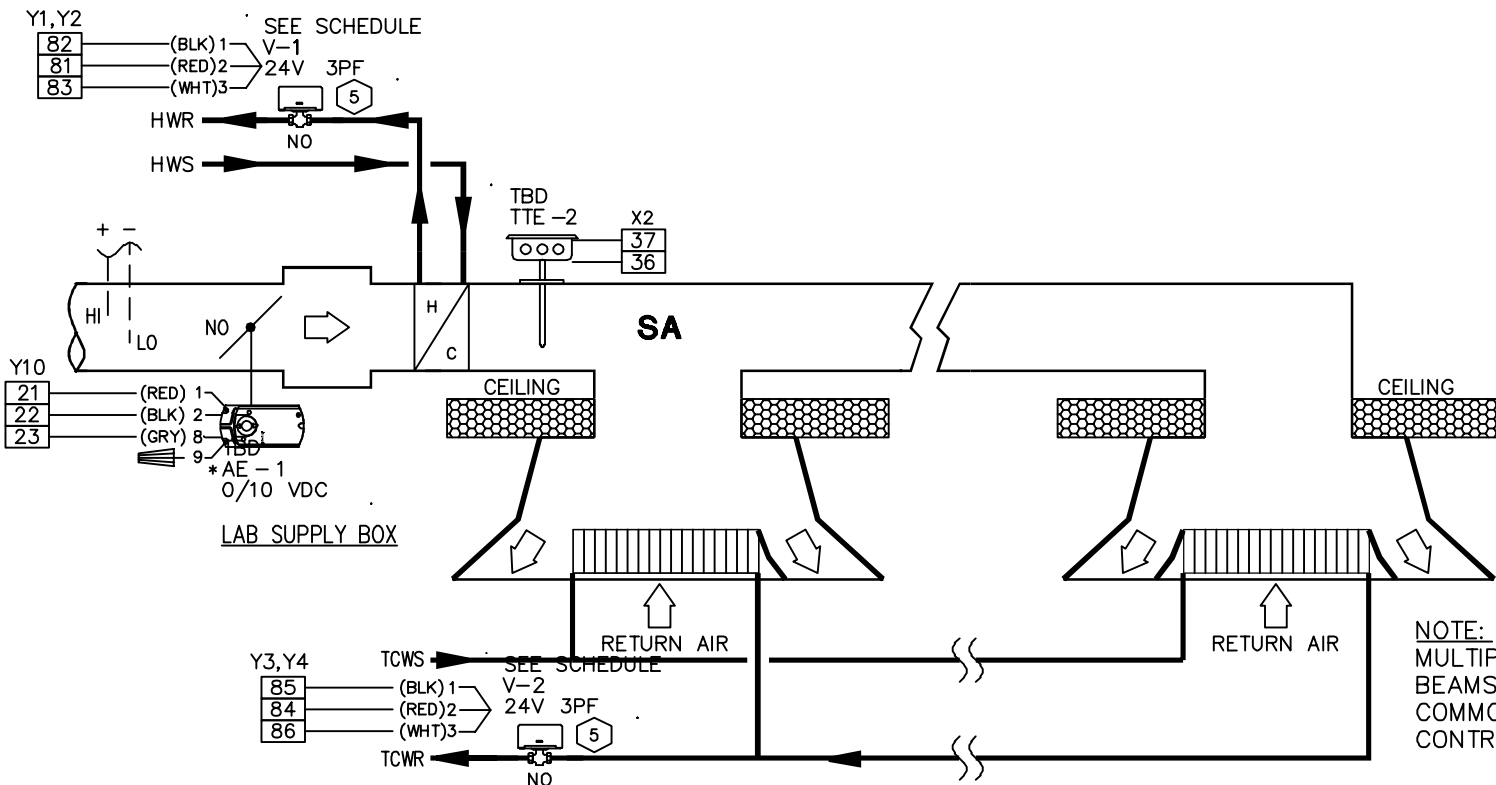
**DIP SWITCH SETTING (AE-2)**

A	CCW	B	CW
C		D	
E		F	

ROTATION TO BE SET IN FIELD

**ROOM APPLICATION 109**

LOCATION: 1327.00  
SERVES: SUPPLY, 3X FUME HOOD, CB  
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HIGH SPEED ACTUATION



NOTE:  
MULTIPLE CHILLED BEAMS SERVED BY COMMON VAV AND CONTROL VALVE

## REVISION HISTORY

**SIEMENS**

1835-B Kramer Ln  
Suite 180  
Austin, TX 78758  
USA  
Phone: 512-339-6991  
Fax:

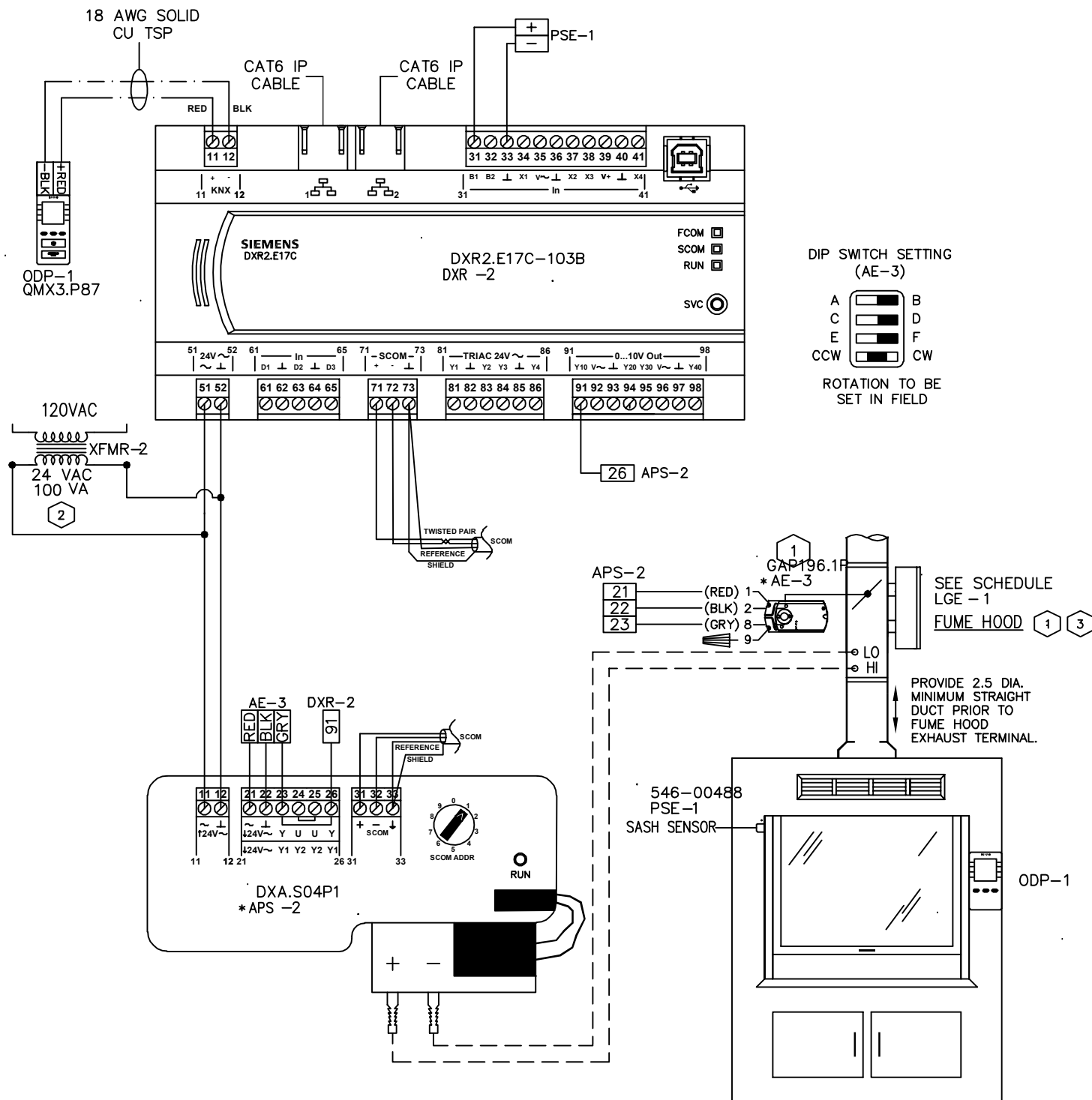
**ACC Bond Rio Grande Retro**  
Austin, TX

ENGINEER	DRAFTER	CHECKED BY	INITIAL RELEASE	LAST EDIT DATE
DR	DR	TM	07/25/18	06/29/18

**LS, 3X FH, CB**

440P-239338  
0

**709**



INSTALLATION NOTE:

- 1 VAV BOX INSTALLED BY MECHANICAL CONTRACTOR WITH 3 TO 5 STRAIGHT DUCT DIAMETERS UPSTREAM OF THE BOX TO PROVIDE PROPER FLOW SENSING
- 2 120VAC PROVIDED BY ELECTRICAL CONTRACTOR TO TRANSFORMER LOCATED IN SUPPLY BOX. 100VA TRANSFORMER REQUIRED.
- 3 DEVICES TO BE FIELD INSTALLED BY MECHANICAL CONTRACTOR.

1 FUME HOOD CONTROL DIAGRAM  
709A  
LOCATION: 1325.03  
SERVES: FUME HOOD  
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HIGH SPEED ACTUATION

REVISION HISTORY

SIEMENS

Siemens Building Technologies

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Suite 180  
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USA  
Phone: 512-339-6991  
Fax:

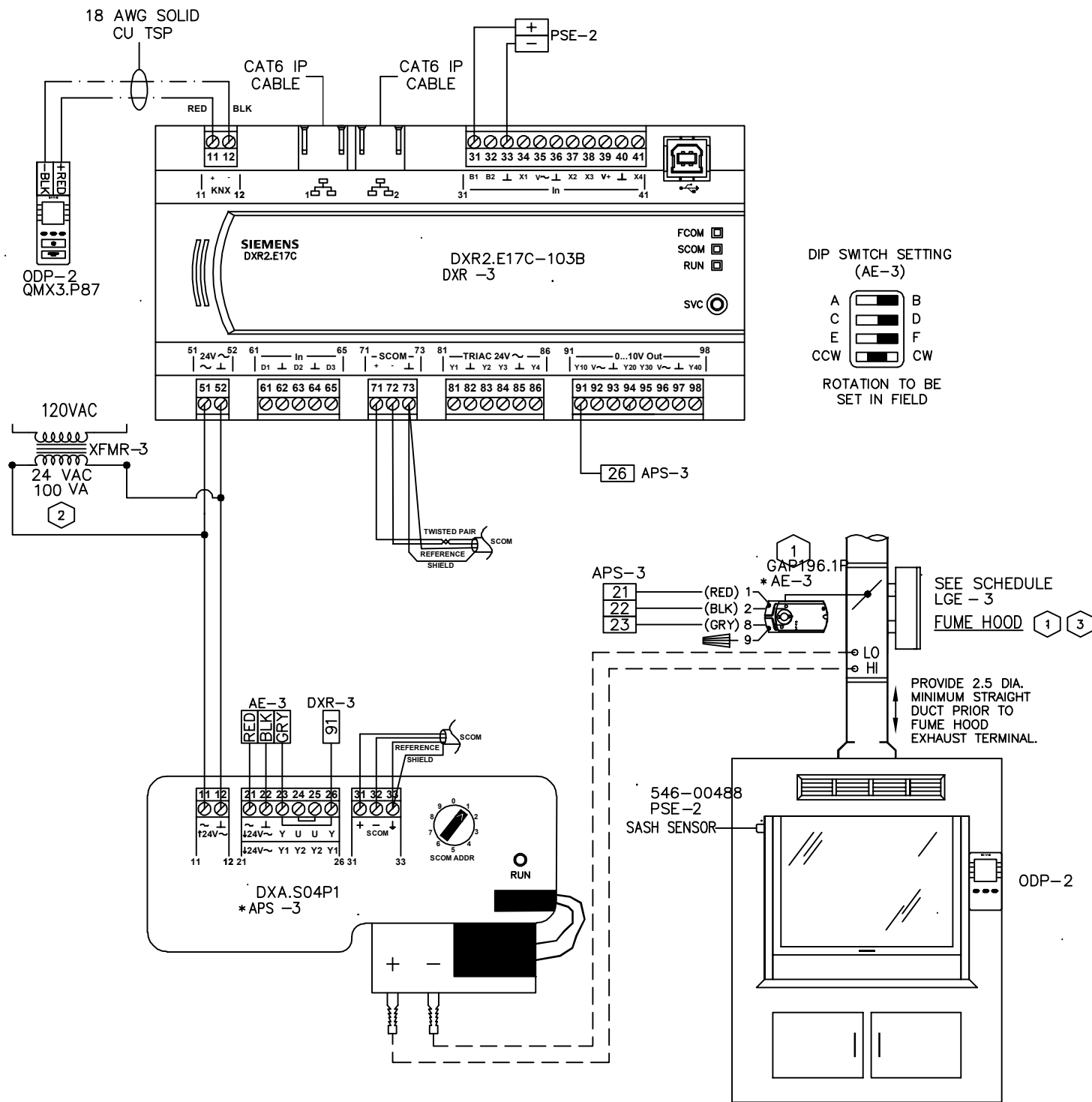
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Austin, TX

ENGINEER	DRAFTER	CHECKED BY	INITIAL RELEASE	LAST EDIT DATE
DR	DR	TM	07/25/18	06/29/18

LE FH 1

440P-239338  
0

709A



# INSTALLATION NOTE:

- VAV BOX INSTALLED BY MECHANICAL CONTRACTOR WITH 3 TO 5 STRAIGHT DUCT DIAMETERS UPSTREAM OF THE BOX TO PROVIDE PROPER FLOW SENSING
- 120VAC PROVIDED BY ELECTRICAL CONTRACTOR TO TRANSFORMER LOCATED IN SUPPLY BOX. 100VA TRANSFORMER REQUIRED.
- DEVICES TO BE FIELD INSTALLED BY MECHANICAL CONTRACTOR.

**1 FUME HOOD CONTROL DIAGRAM**  
 LOCATION: 1327.00  
 SERVES: FUME HOOD 2  
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 HIGH SPEED ACTUATION

## REVISION HISTORY

**SIEMENS**

Siemens Building Technologies

1835-B Kramer Ln  
 Suite 180  
 Austin, TX 78758  
 USA  
 Phone: 512-339-6991  
 Fax:

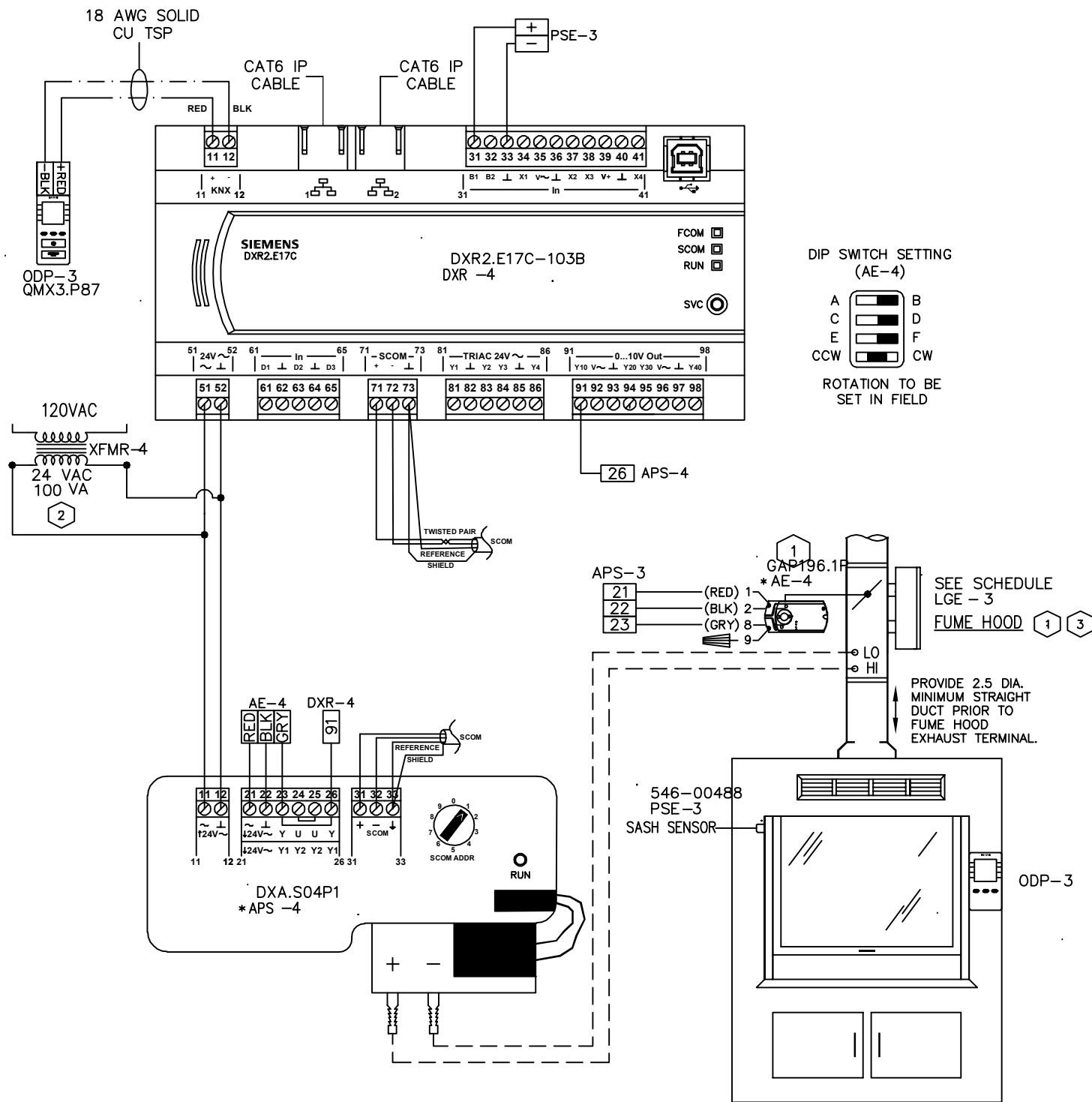
**ACC Bond Rio Grande Retro**  
**Austin, TX**

ENGINEER	DRAFTER	CHECKED BY	INITIAL RELEASE	LAST EDIT DATE
DR	DR	TM	07/25/18	06/29/18

**LE FH 2**

**440P-239338**  
**0**

**709B**



INSTALLATION NOTE:

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- 2 120VAC PROVIDED BY ELECTRICAL CONTRACTOR TO TRANSFORMER LOCATED IN SUPPLY BOX. 100VA TRANSFORMER REQUIRED.
- 3 DEVICES TO BE FIELD INSTALLED BY MECHANICAL CONTRACTOR.

1 FUME HOOD CONTROL DIAGRAM  
709C  
LOCATION: 1327.00  
SERVES: FUME HOOD 3  
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HIGH SPEED ACTUATION

REVISION HISTORY

SIEMENS

Siemens Building Technologies

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Fax:

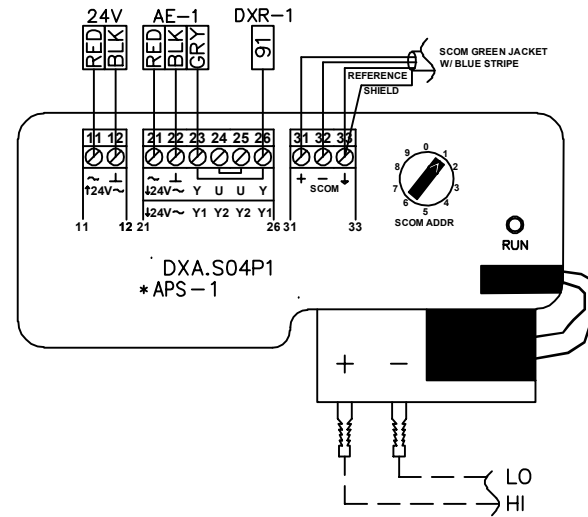
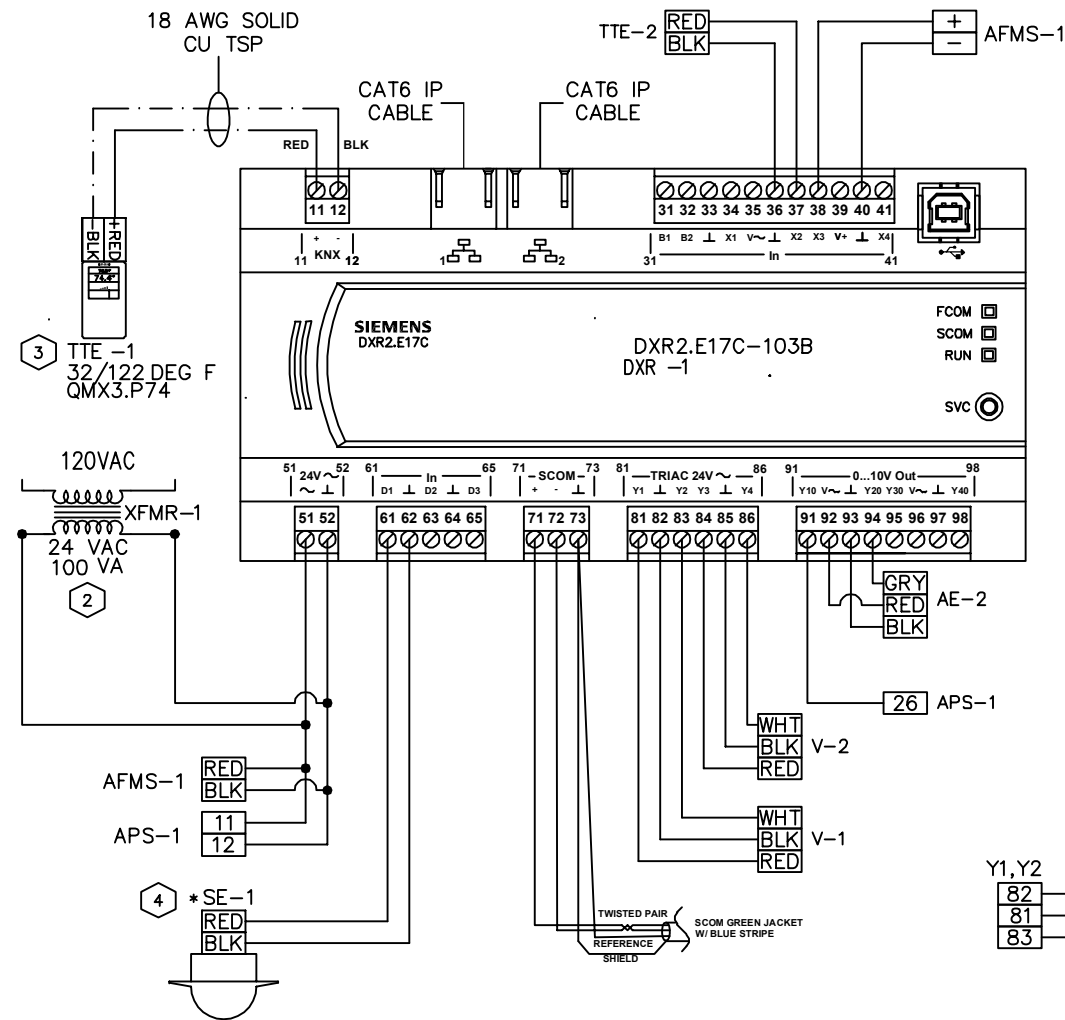
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Austin, TX

ENGINEER	DRAFTER	CHECKED BY	INITIAL RELEASE	LAST EDIT DATE
DR	DR	TM	07/25/18	06/29/18

LE FH 3

440P-239338  
0

709C

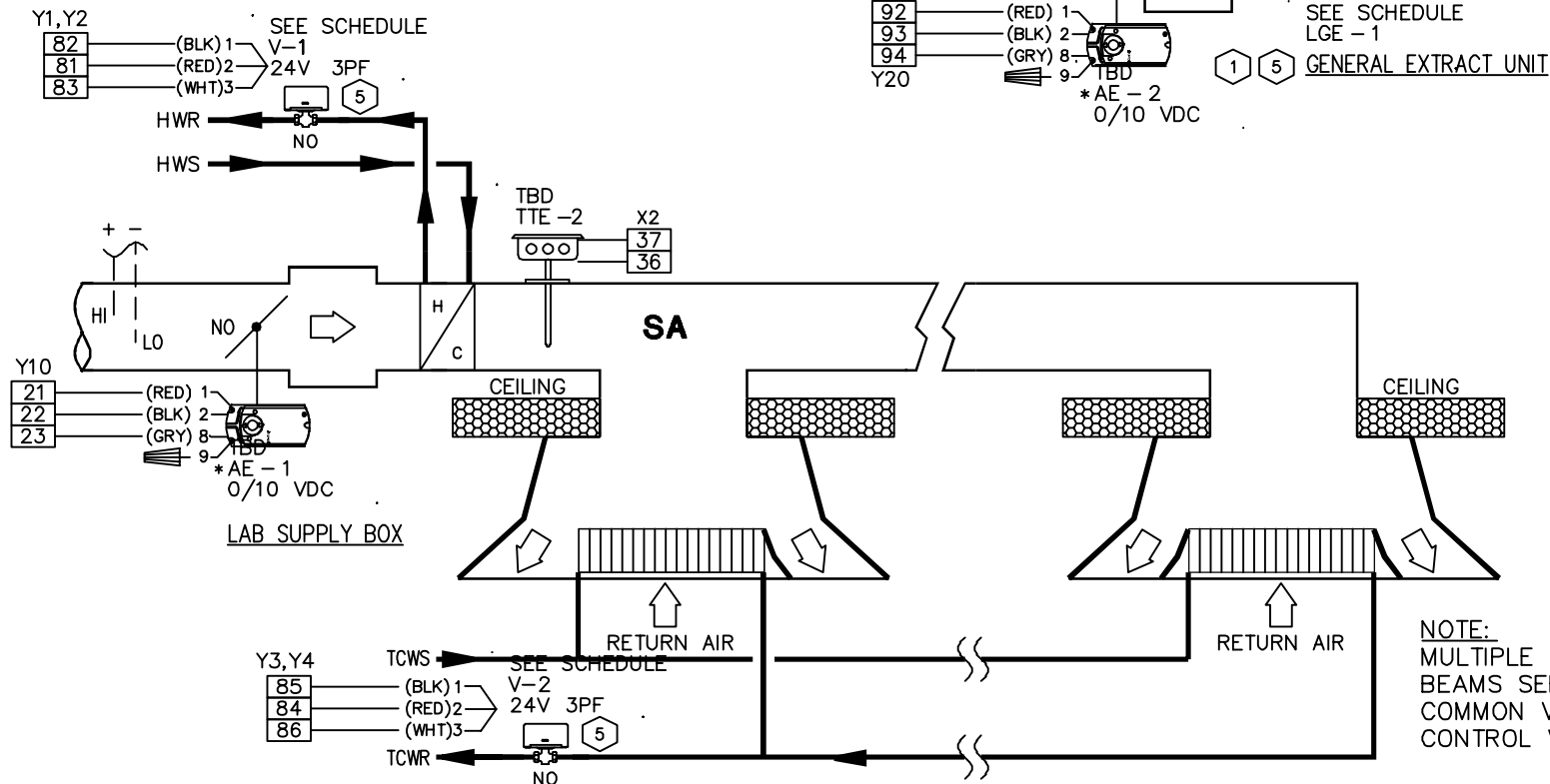


# INSTALLATION NOTES:

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- 120VAC PROVIDED BY ELECTRICAL CONTRACTOR TO TRANSFORMER LOCATED IN SUPPLY BOX. 100VA TRANSFORMER REQUIRED.
- DEVICES TO BE FIELD MOUNTED BY SIEMENS. REFER TO MECH FLOOR PLANS FOR LOCATION.
- DEVICES PROVIDED, INSTALLED, AND WIRED FOR OPERATION BY DIVISION 26 ELECTRICAL CONTRACTOR. AUXILIARY CONTACTS WIRED BY SIEMENS.
- DEVICES TO BE FIELD INSTALLED BY MECHANICAL CONTRACTOR.
- REFER TO DEVICE INSTALLATION GUIDE FOR MINIMUM PLACEMENT LOCATION.

REMOVE CANOPY HOOD  
SWITCH  
ONE AFMS  
ADD PROPER CONTROL  
SIGNALS TO ALL DEVICES  
VERIFY TSTAT ON SUPPLY  
BOX  
VERIFY TSTAT IF CHILLED  
BEAM

**1**  
710  
ROOM APPLICATION 110  
LOCATION: 1327.00 DIVISION 2 SEE SCHEDULE  
SERVES: SUPPLY, GEN EXHAUST, CB, 2X FUME HOOD  
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HIGH SPEED ACTUATION



NOTE:  
MULTIPLE CHILLED  
BEAMS SERVED BY  
COMMON VAV AND  
CONTROL VALVE

## REVISION HISTORY

## SIEMENS

Siemens Building Technologies

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Suite 180  
Austin, TX 78758  
USA  
Phone: 512-339-6991  
Fax:

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Austin, TX

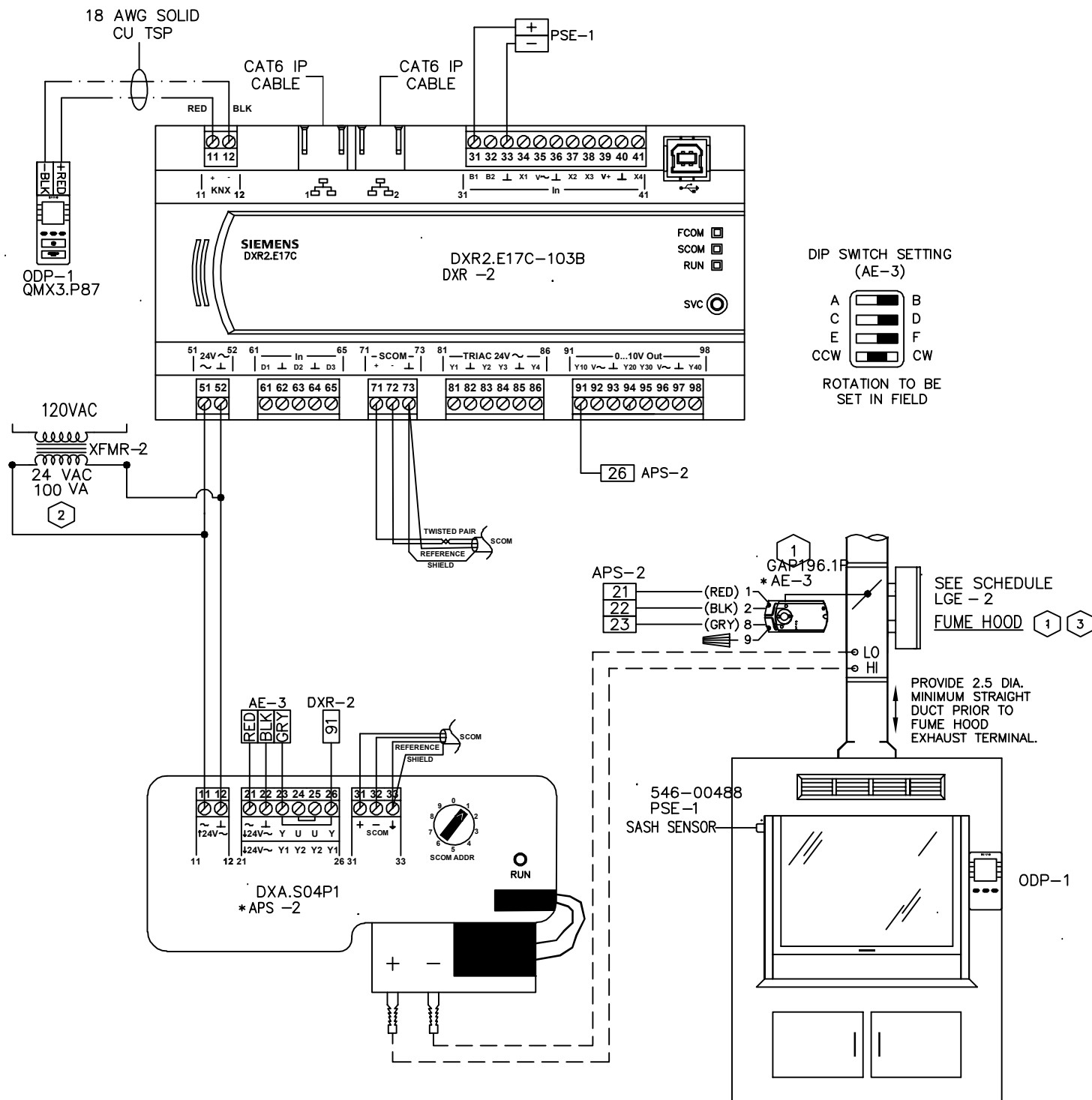
ENGINEER	DRAFTER	CHECKED BY	INITIAL RELEASE	LAST EDIT DATE
DR	DR	TM	07/25/18	06/29/18

LS, GE, CB, 2X LE FH

440P-239338

0

710

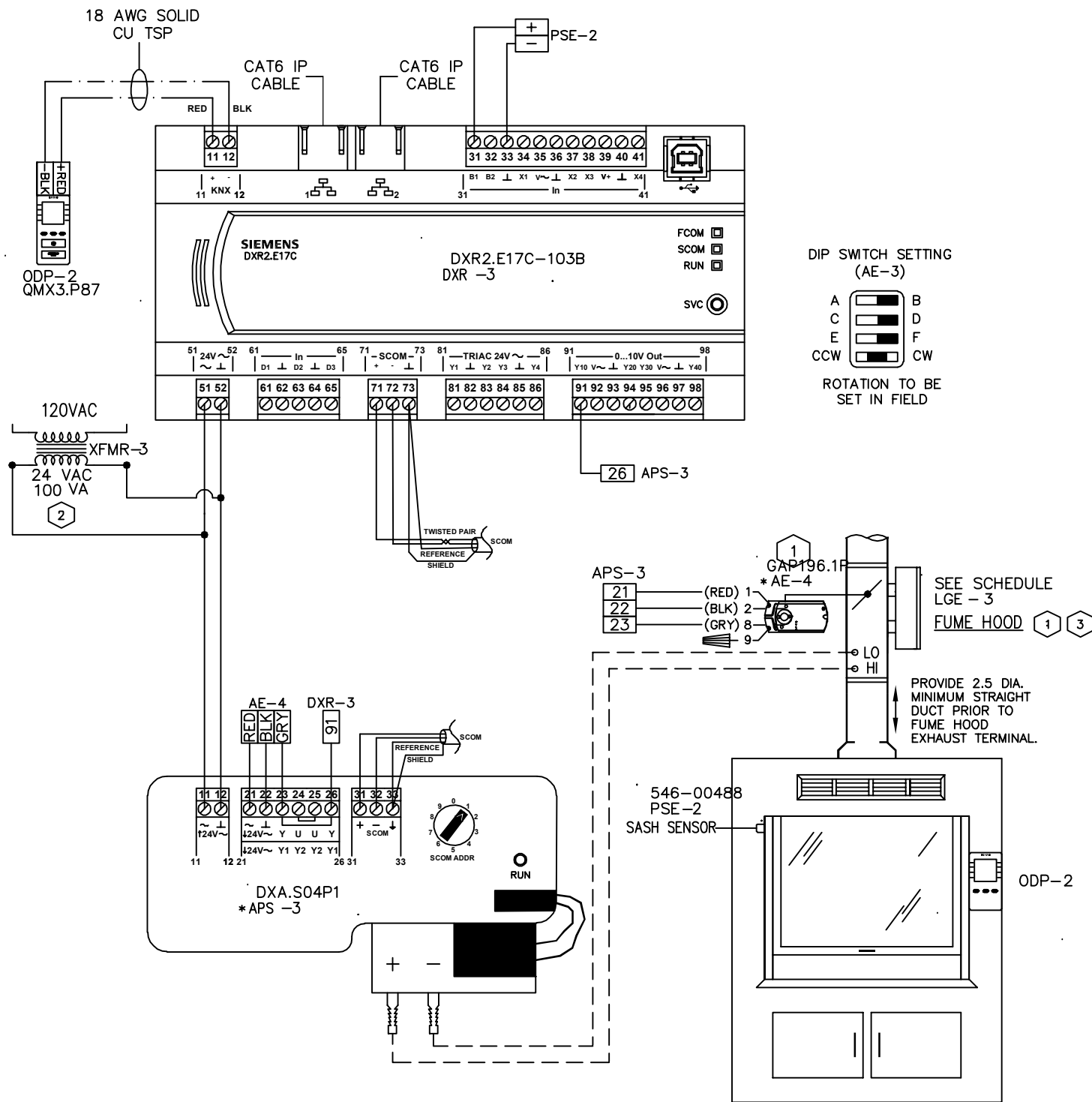


- INSTALLATION NOTE:
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1 FUME HOOD CONTROL DIAGRAM  
709A LOCATION: 1327.00 DIVISION 2 SEE SCHEDULE  
SERVES: FUME HOOD 1  
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HIGH SPEED ACTUATION

REVISION HISTORY		SIEMENS		ACC Bond Rio Grande Retro		440P-239338	
		Siemens Building Technologies		Austin, TX		0	
		1835-B Kramer Ln Suite 180 Austin, TX 78758 USA Phone: 512-339-6991 Fax:		ENGINEER DR		DRAFTER DR	
				CHECKED BY TM		INITIAL RELEASE 07/25/18	
						LAST EDIT DATE 06/29/18	
				FH 1		710A	





INSTALLATION NOTE:

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1 FUME HOOD CONTROL DIAGRAM  
709B LOCATION: 1327.00 DIVISION 2 SEE SCHEDULE  
SERVES: FUME HOOD 2  
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HIGH SPEED ACTUATION

REVISION HISTORY

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Austin, TX 78758  
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Phone: 512-339-6991  
Fax:

Siemens Building Technologies

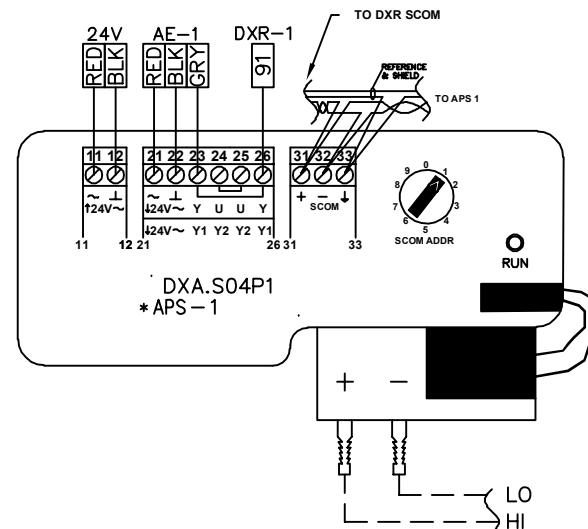
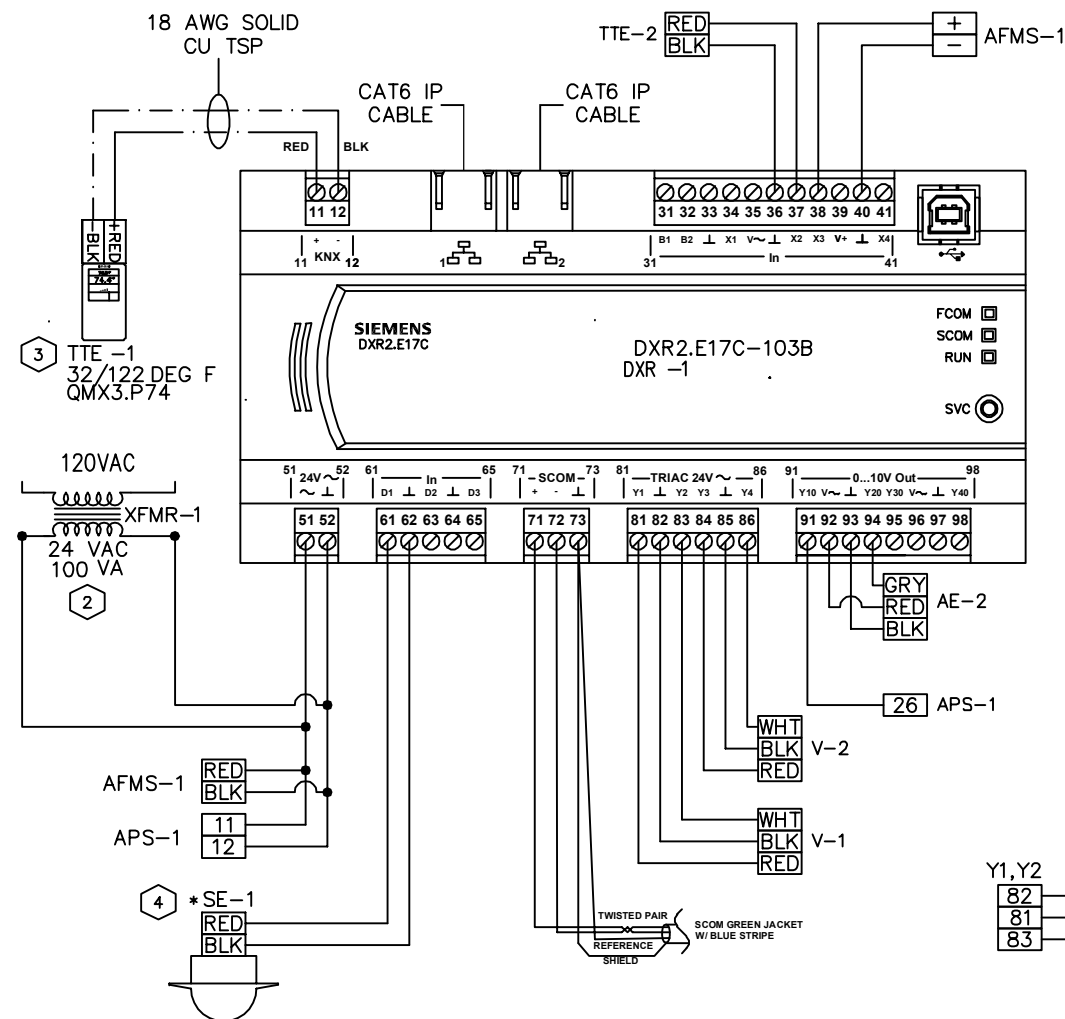
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Austin, TX

ENGINEER	DRAFTER	CHECKED BY	INITIAL RELEASE	LAST EDIT DATE
DR	DR	TM	07/25/18	06/29/18

FH 2

440P-239338  
0

710B

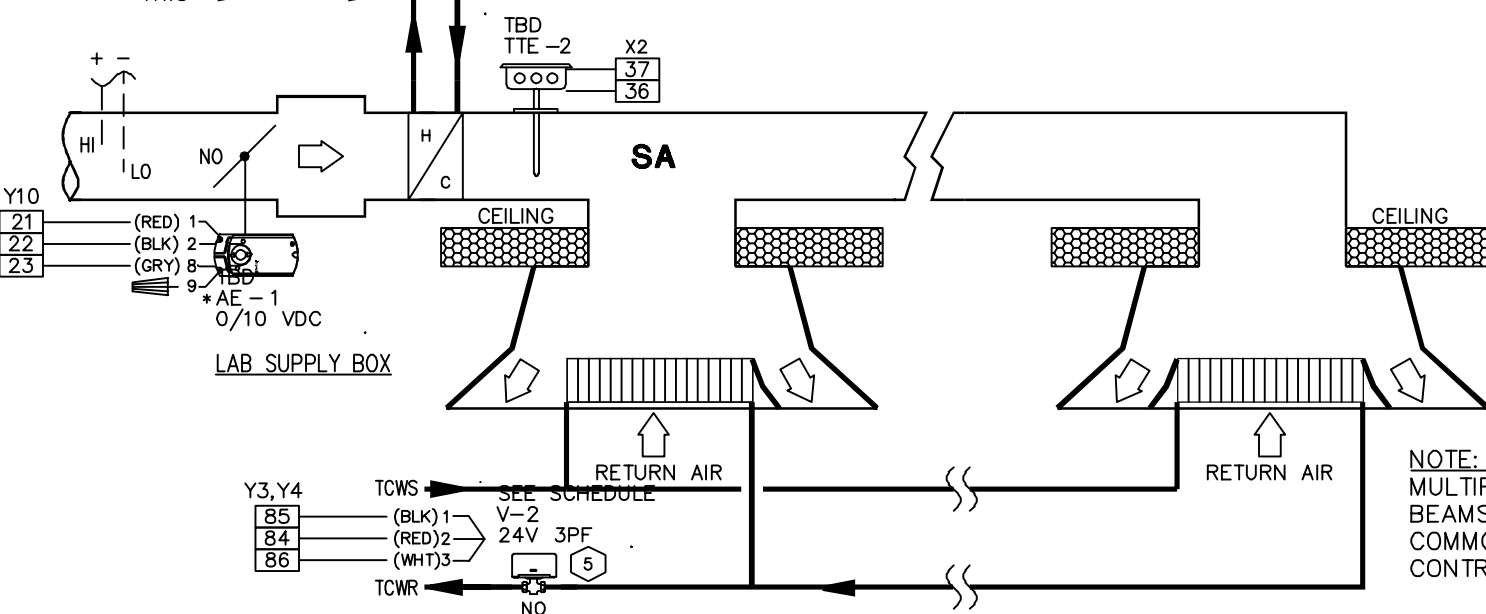
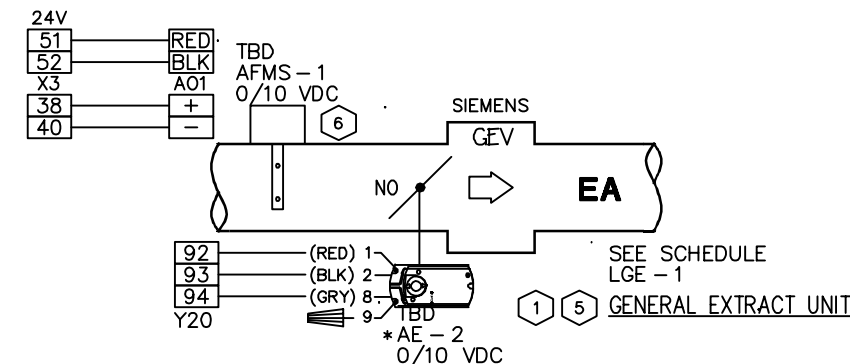
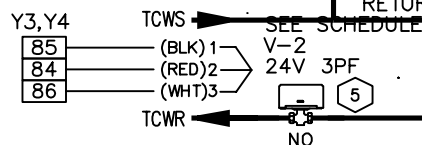
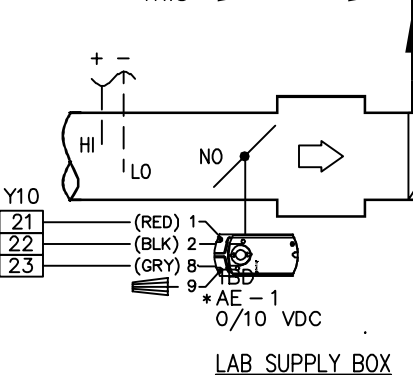
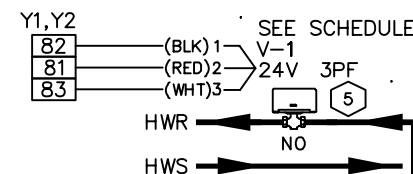


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REMOVE CANOPY HOOD  
 SWITCH  
 ONE AFMS  
 ADD PROPER CONTROL  
 SIGNALS TO ALL DEVICES  
 VERIFY TSTAT ON SUPPLY  
 BOX  
 VERIFY TSTAT IF CHILLED  
 BEAM

1 ROOM APPLICATION 111  
 711 LOCATION: 1321.00  
 SERVES: LAB SUPPLY, SNORKEL, GEN EXHAUST CB  
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 LOW SPEED ACTUATION



NOTE:  
 MULTIPLE CHILLED  
 BEAMS SERVED BY  
 COMMON VAV AND  
 CONTROL VALVE

## REVISION HISTORY

## SIEMENS

1835-B Kramer Ln  
 Suite 180  
 Austin, TX 78758  
 USA  
 Phone: 512-339-6991  
 Fax:

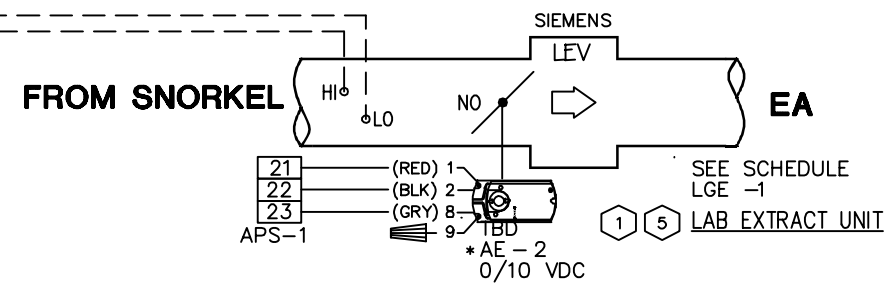
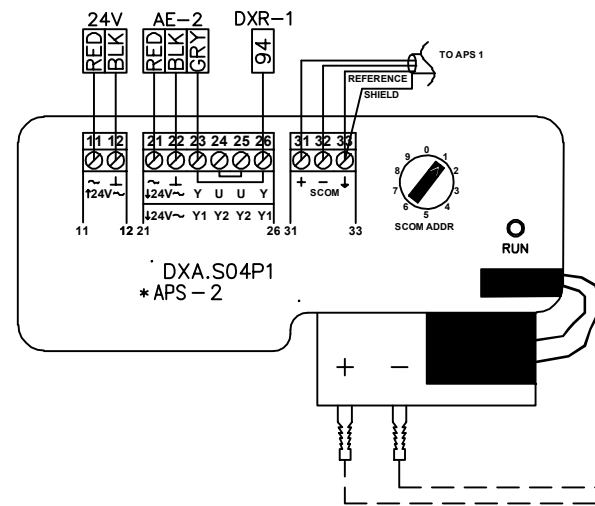
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ENGINEER	DRAFTER	CHECKED BY	INITIAL RELEASE	LAST EDIT DATE
DR	DR	TM	07/25/18	06/29/18

LS, GE, LE FH, CB

440P-239338

711



# INSTALLATION NOTES:

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- 6 REFER TO DEVICE INSTALLATION GUIDE FOR MINIMUM PLACEMENT LOCATION.

1  
711

## ROOM APPLICATION 111

LOCATION: 1321.00  
SERVES: LAB SUPPLY, SNORKEL, GEN EXHAUST, CB  
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LOW SPEED ACTUATION

## REVISION HISTORY

**SIEMENS**

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Phone: 512-339-6991  
Fax:

**ACC Bond Rio Grande Retro  
Austin, TX**

ENGINEER	DRAFTER	CHECKED BY	INITIAL RELEASE	LAST EDIT DATE
DR	DR	TM	07/25/18	06/29/18

**LE SNORKEL**

**440P-239338**

**711A**