NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia Lancaster, FAIA, Commissioner
(212) 566-5000, TTY: (212) 566-4769

Report of Materials and Equipment Acceptance Division

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 400-05-E

Manufacturer: Siemens Building Technologies Inc., 1000 Deerfield Parkway, Buffalo Grove, Illinois 60089.

Trade Name(s): Siemens, Siemens Building Technologies

Product: System 600 Apogee smoke control & building system

Pertinent Code Section(s): 27-968 to 27-977, Reference Standard RS 13-1, RS 17

Prescribed Test(s): UL 864, 1076, 2017.

Laboratory: Underwriters Laboratories, Inc.

Test Report(s):

File No.	Issue date	Revised date
S4072/93NK11099	10/25/93	06/23/05
S4072/98NK2936	05/09/98	09/03/04
S4072/96NK15811	06/14/96	07/25/01
S4072/90NK4560	10/10/90	04/11/03
S4072/99NK8067	04/19/99	07/25/01
S4072/96NK21570	07/31/96	10/15/03
S4072/88NK16957/S2724	07/28/88	07/25/01
S4072/89NK2159	10/30/89	06/09/00
S4072/96NK2710	02/01/96	07/25/01
S2724/01NK36561	01/23/02	--
S2595/01NK36561	01/24/02	10/17/05

Description: The Siemens System 600 Apogee Smoke Control System consist of Series MBC, RBC, FLNC, and MEC Series controllers, in various combinations as well as accessories required to meet the recommended design requirements for a dedicated or a non-dedicated smoke control system as stated in UL 864, NFPA 72, NFPA 92A, and NFPA 92B. The Insight Life Safety System comprises of an Insight Database Server workstation and up to 32 Insight Database Client workstations to control and monitor the Siemens ALS3, MXL, XLS Fire Alarm Systems and the Siemens System 600 Apogee Smoke Control System as a Proprietary or Local Receiving Unit.

APOGEE Building Automation and Smoke Control System consisting of the following equipment in various combination as required to meet the NFPA 92A. 92B, 72, and UL 864

Description	Part No. (when applicable)	Notes	UL File No. & Vol.	Sect.	UL Test Report No.
MBC and RBC Series Controllers					
RBC Enclosure with Windows	545-275	115 V	S4072 V. 4	1	93NK11099
RBC Enclosure without Windows	545-276	115 V	S4072 V. 4	1	93NK11099
RBC Enclosure with Windows	545-285	230 V	S4072 V. 4	1	93NK11099
RBC Enclosure without Windows	545-286	230 V	S4072 V. 4	1	93NK11099
MBC Large Enclosure w/ Metal Door	545-147	115 V	S4072 V. 4	1	93NK11099
MBC Medium Enclosure w/ Metal Door	545-146	115 V	S4072 V. 4	1	93NK11099
MBC Large Enclosure w/ Molded Door	545-142	115 V	S4072 V. 4	1	93NK11099
MBC Medium Enclosure w/ Molded Door	545-141	115 V	S4072 V. 4	1	93NK11099
MBC Large Enclosure w/ Metal Door	545-117	230 V	S4072 V. 4	1	93NK11099
MBC Medium Enclosure w/ Metal Door	545-116	230 V	S4072 V. 4	1	93NK11099
MBC Large Enclosure w/ Molded Door	545-115	230 V	S4072 V. 4	1	93NK11099
MBC Medium Enclosure w/ Molded Door	545-114	230 V	S4072 V. 4	1	93NK11099
RBC Service box	545-502	115 V	S4072 V. 4	1	93NK11099
RBC Service box	545-503	230 V	S4072 V. 4	1	93NK11099
MBC Service Box	545-508	115 V	S4072 V. 4	1	93NK11099
MBC Service Box	545-509	230 V	S4072 V. 4	1	93NK11099
MBC/RBC Expansion Module Kit	PTM6.EMK		S4072 V. 4	1	93NK11099
MBC/RBC Primary Module	PTM6.PM		S4072 V. 4	1	93NK11099
MBC/RBC Expansion Module	PTM6.EM		S4072 V. 4	1	93NK11099
MBC/RBC Analog Input Module	PTM6.2P1K	Platinum RTD	S4072 V. 4	1	93NK11099
MBC/RBC Analog Input Module	PTM6.2N100K	100 Kohm Thermistor	S4072 V. 4	1	93NK11099
MBC/RBC Analog Input Module	PTM6.2U10	0-10 Vdc	S4072 V. 4	1	93NK11099
MBC/RBC Digital Input Module	PTM6.2D250	Voltage sensing, max. 250 Vac	S4072 V. 4	1	93NK11099
MBC/RBC Analog Input Module	PTM6.2R1K	Nickel RTD	S4072 V. 4	1	93NK11099
MBC/RBC Analog Output Module	PTM6.2Y10	0-10 Vdc	S4072 V. 4	1	93NK11099
MBC/RBC Analog Output Module	PTM6.1PS120-M	0-20 PSI Pneumatic Output	S4072 V. 4	1	93NK11099
MBC/RBC Power Output Module	PTX6.4SPS	four (4) - 24 Vdc outputs	S4072 V. 4	1	93NK11099
MBC/RBC Digital Input Module	PTM6.4D20	Dry contacts	S4072 V. 4	1	93NK11099
MBC/RBC Digital Output Module	PTM6.2Q250	240 Vac/ 4 Amps	S4072 V. 4	1	93NK11099
MBC/RBC Digital Output Module	PTM6.2Q250-M	240 Vac/ 4 Amps	S4072 V. 4	1	93NK11099
MBC/RBC Analog Output Module	PTM6.2Y10S-M	0-10 Vdc	S4072 V. 4	1	93NK11099
MBC/RBC Analog Output Module	PTM6.2Y420	4-20 mA	S4072 V. 4	1	93NK11099
MBC/RBC Analog Input Module	PTM6.2I420	4-20 mA	S4072 V. 4	1	93NK11099
MBC/RBC Power Module	545-714		S4072 V. 4	1	93NK11099
MBC/RBC Power Open Processor	562-001		S4072 V. 4	1	93NK11099
MBC/RBC Power Open Processor - Ethernet	562-002		S4072 V. 4	1	93NK11099
Modular Equipment Controllers (MEC) Series Controllers					
MEC Series 100	549-001		S4072 V. 11	1	98NK2936
MEC Series 100	549-007		S4072 V. 11	1	98NK2936
MEC Series 100	549-016		S4072 V. 11	1	98NK2936
MEC Series 100	549-017		S4072 V. 11	1	98NK2936
MEC Series 100	549-021		S4072 V. 11	1	98NK2936
MEC Series 100	549-031		S4072 V. 11	1	98NK2936
MEC Series 100	549-041		S4072 V. 11	1	98NK2936
MEC Series 100	549-425		S4072 V. 11	1	98NK2936

MEC Series 100	549-426		S4072 V. 11	1	98NK2936
MEC Series 100	549-610		S4072 V. 11	1	98NK2936
MEC Series 100	549-611		S4072 V. 11	1	98NK2936
MEC Series 100	549-612		S4072 V. 11	1	98NK2936
MEC Series 100	549-624		S4072 V. 11	1	98NK2936
MEC Series 100	549-625		S4072 V. 11	1	98NK2936
MEC Series 100	549-630		S4072 V. 11	1	98NK2936
MEC Series 100	549-631		S4072 V. 11	1	98NK2936
MEC Series 200	549-002		S4072 V. 11	1	98NK2936
MEC Series 200	549-008		S4072 V. 11	1	98NK2936
MEC Series 200	549-011		S4072 V. 11	1	98NK2936
MEC Series 200	549-012		S4072 V. 11	1	98NK2936
MEC Series 200	549-018		S4072 V. 11	1	98NK2936
MEC Series 200	549-019		S4072 V. 11	1	98NK2936
MEC Series 200	549-022		S4072 V. 11	1	98NK2936
MEC Series 200	549-032		S4072 V. 11	1	98NK2936
MEC Series 200	549-042		S4072 V. 11	1	98NK2936
MEC Series 200	549-407		S4072 V. 11	1	98NK2936
MEC Series 200	549-408		S4072 V. 11	1	98NK2936
MEC Series 200	549-423		S4072 V. 11	1	98NK2936
MEC Series 200	549-424		S4072 V. 11	1	98NK2936
MEC Series 200	549-427		S4072 V. 11	1	98NK2936
MEC Series 200	549-428		S4072 V. 11	1	98NK2936
MEC Series 200	549-613		S4072 V. 11	1	98NK2936
MEC Series 200	549-614		S4072 V. 11	1	98NK2936
MEC Series 200	549-615		S4072 V. 11	1	98NK2936
MEC Series 200	549-620		S4072 V. 11	1	98NK2936
MEC Series 200	549-621		S4072 V. 11	1	98NK2936
MEC Series 200	549-626		S4072 V. 11	1	98NK2936
MEC Series 200	549-627		S4072 V. 11	1	98NK2936
MEC Series 200	549-628		S4072 V. 11	1	98NK2936
MEC Series 200	549-629		S4072 V. 11	1	98NK2936
MEC Series 200	549-632		S4072 V. 11	1	98NK2936
MEC Series 200	549-633		S4072 V. 11	1	98NK2936
MEC Series 200	549-634		S4072 V. 11	1	98NK2936
MEC Series 200	549-635		S4072 V. 11	1	98NK2936
MEC Series 200	549-636		S4072 V. 11	1	98NK2936
MEC Series 200	549-637		S4072 V. 11	1	98NK2936
MEC Series 200	549-640		S4072 V. 11	1	98NK2936
MEC Series 200	549-641		S4072 V. 11	1	98NK2936
MEC Series 200	549-644		S4072 V. 11	1	98NK2936
MEC Series 200	549-645		S4072 V. 11	1	98NK2936
MEC Series 300	549-003		S4072 V. 11	1	98NK2936
MEC Series 300	549-009		S4072 V. 11	1	98NK2936
MEC Series 300	549-010		S4072 V. 11	1	98NK2936
MEC Series 300	549-023		S4072 V. 11	1	98NK2936
MEC Series 300	549-033		S4072 V. 11	1	98NK2936
MEC Series 300	549-409		S4072 V. 11	1	98NK2936
MEC Series 300	549-410		S4072 V. 11	1	98NK2936
MEC Series 300	549-616		S4072 V. 11	1	98NK2936
MEC Series 300	549-617		S4072 V. 11	1	98NK2936
MEC Series 300	549-622		S4072 V. 11	1	98NK2936
MEC Series 300	549-623		S4072 V. 11	1	98NK2936
MEC Series 300	549-642		S4072 V. 11	1	98NK2936
MEC Series 300	549-643		S4072 V. 11	1	98NK2936
MEC Series 300	549-901		S4072 V. 11	1	98NK2936

MEC Digital Expansion Block	549-201		S4072 V. 11	1	98NK2936
MEC Digital Expansion Block	549-202		S4072 V. 11	1	98NK2936
MEC Digital Expansion Block	549-205		S4072 V. 11	1	98NK2936
MEC Digital Expansion Block	549-206		S4072 V. 11	1	98NK2936
MEC Digital Expansion Block	549-207		S4072 V. 11	1	98NK2936
MEC Digital Expansion Block	549-210		S4072 V. 11	1	98NK2936
MEC Digital Expansion Block	549-211		S4072 V. 11	1	98NK2936
MEC Digital Expansion Block	549-212		S4072 V. 11	1	98NK2936
MEC Digital Expansion Block	549-213		S4072 V. 11	1	98NK2936
MEC Digital Expansion Block	549-517		S4072 V. 11	1	98NK2936
MEC Digital Expansion Block	549-518		S4072 V. 11	1	98NK2936
MEC Digital Expansion Block	549-519		S4072 V. 11	1	98NK2936
MEC Analog Expansion Block	549-203		S4072 V. 11	1	98NK2936
MEC Analog Expansion Block	549-204		S4072 V. 11	1	98NK2936
MEC Analog Expansion Block	549-208		S4072 V. 11	1	98NK2936
MEC Analog Expansion Block	549-209		S4072 V. 11	1	98NK2936
MEC Analog Expansion Block	549-214		S4072 V. 11	1	98NK2936
MEC Analog Expansion Block	549-215		S4072 V. 11	1	98NK2936
MEC Analog Expansion Block	549-520		S4072 V. 11	1	98NK2936
MEC Large Encl	549-505		S4072 V. 11	1	98NK2936
MEC Small Encl	549-504		S4072 V. 11	1	98NK2936
MEC Medium Encl	540-010		S4072 V. 11	1	98NK2936
MEC Service Box	549-506	120 or 240 Vac	S4072 V. 11	1	98NK2936
FLNC (Floor Level Ntework Controllers) Series			S4072 V. 10	1	96NK15811
Fire Panel Interface Gateway Drivers					
FCC Gateway			S4072 V. 4	1	93NK11099
Notifier Gateway			S4072 V. 4	1	93NK11099
EST3/ALS3 Gateway			S4072 V. 4	1	93NK11099
EST IRC3 Gateway			S4072 V. 4	1	93NK11099
MXL Gateway			S4072 V. 4	1	93NK11099
FireFinder XLS Gateway			S4072 V. 4	1	93NK11099
Simplex 4100 Gateway			S4072 V. 4	1	93NK11099
FSCS Firefighters' Smoke Control Station			S4072 V. 3	1	90NK4560
Accessories used as required for each building configuration					
Local User Interface (LUI)			S4072 V. 10	3	99NK8067
Modems Models:	538-381		S4072 V. 10	2	96NK21570
Modems Models:	538-679		S4072 V. 10	2	96NK21570
Modems Models:	538-680		S4072 V. 10	2	96NK21570
Modems Models:	538-859		S4072 V. 10	2	96NK21570
Modems Models:	538-859E		S4072 V. 10	2	96NK21570
Modems Models:	538-860		S4072 V. 10	2	96NK21570
Modems Models:	538-860E		S4072 V. 10	2	96NK21570
Modems Models:	538-861		S4072 V. 10	2	96NK21570
Modems Models:	549-511		S4072 V. 10	2	96NK21570
Modems Models:	549-511E		S4072 V. 10	2	96NK21570
Trunk interface II, Trunk/RS422 Interface, Trunk isolator extender Models	536-660		S4072 V. 4	2	88NK16957/ S2724
Trunk interface II, Trunk/RS422 Interface, Trunk isolator extender Models	536-840		S4072 V. 4	2	88NK16957/ S2724
Trunk interface II, Trunk/RS422 Interface, Trunk isolator extender Models	538-955		S4072 V. 4	2	88NK16957/ S2724

Trunk interface II, Trunk/RS422 Interface, Trunk isolator extender Models	538-960		S4072 V. 4	2	88NK16957/ S2724
VT-510 CRT			S4072 V. 4	1	93NK11099
VT-320 CRT			S4072 V. 1	1	89NK2159
VT-420 CRTA			S4072 V. 1	1	89NK2159
UC point control units.			S4072 V. 4	1	93NK11099
Differential Pressure Monitor	547-001		S4072 V. 9	2	96NK2710
Differential Pressure Monitor	547-002		S4072 V. 9	2	96NK2710
Differential Pressure Monitor	547-005		S4072 V. 9	2	96NK2710
Differential Pressure Monitor	547-006		S4072 V. 9	2	96NK2710
Remote Pressure Transmitter			S4072 V. 9	2	96NK2710
transient surge suppressor	538-600		S4072 V. 10	2	96NK21570
AEM 100 Ethernet Microserver	538-910		S4072 V. 10	2	96NK21570
AEM 200 Ethernet Microserver	538-920		S4072 V. 10	2	96NK21570
Ethernet Switch	571-580		S2724 V. 2	1	01NK36561
Ethernet Switch	571-581		S2724 V. 2	1	01NK36561

Insight Life Safety System				
Description	**Part No.(if applicable):**	**UL File No. & Vol.**	**Sect.**	**UL Test Report No.**
System utilizes ALS3 control unit and related accessories,		S2595 V. 2	1	01NK36561
System utilizes XLS control unit and related accessories,		S2595 V. 2	1	01NK36561
System utilizes MXL control unit and related accessories,		S2595 V. 2	1	01NK36561
Insight Database Server or Client Workstations	571-572	S2595 V. 2	1	01NK36561
Insight Database Server or Client Workstations	571-573	S2595 V. 2	1	01NK36561
Insight Database Server or Client Workstations	571-574	S2595 V. 2	1	01NK36561
Insight Database Server or Client Workstations	571-575	S2595 V. 2	1	01NK36561
Insight Database Server or Client Workstations	571-575	S2595 V. 2	1	01NK36561
Insight Database Server or Client Workstations	571-576	S2595 V. 2	1	01NK36561
Insight Database Server or Client Workstations	571-577	S2595 V. 2	1	01NK36561
Insight Database Server or Client Workstations	571-578	S2595 V. 2	1	01NK36561
Insight Database Server or Client Workstations	571-579	S2595 V. 2	1	01NK36561
INT LS 17 IN MONITOR UL 864	571-587	S2595 V. 2	1	01NK36561
INT LS 19 IN MONITOR UL 864	571-588	S2595 V. 2	1	01NK36561
INT LS 21 IN MONITOR UL 864	571-589	S2595 V. 2	1	01NK36561
*INT LS 17 IN MONITOR UL 864	571-617	S2595 V. 2	1	01NK36561
*INT LS 19 IN MONITOR UL 864	571-618	S2595 V. 2	1	01NK36561
*INT LS 21 IN MONITOR UL 864	571-619	S2595 V. 2	1	01NK36561
Ethernet Switch	571-580	S2724 V. 2	1	01NK36561
Ethernet Switch	571-581	S2724 V. 2	1	01NK36561
PAL-1 PRINTER	PAL 1			

Pursuant to "Promulgation of the Rules relating to Material and Equipment Application Procedures" dated November 5, 1992, the Bureau of Fire Prevention has no objections Letter dated December 21, 2006, F.P. Index No. 0511014A.

Terms and Conditions: The above units are accepted provided that:

1. All uses, configurations, arrangements and functions, application and installations comply with all applicable provisions of New York City Building Code, specifically Subchapters 13 & 17, and New York City Electrical Code.

2. Installation shall be in accordance with manufacturer's recommendations, UL standards and NFPA 72 – 2002 edition, Section 6.15.5.

3. Firefighters smoke control station (FSCS) shall have visual display of mechanical/HVAC system diagrams that aid the responding firefighters/emergency personnel in their smoke-control strategy.

4. FSCS shall be located in the lobby of the building on the entrance floor and shall be easily accessible to the responding firefighters/emergency personnel. In buildings where a fire command station is installed, FSCS shall be at a location not greater than 10(ten) feet from the fire command station.

5. All communication wring from fire alarm control panel to Apogee smoke control system shall be plenum-rated and shall be installed in RMC< IMC or EMT, and shall be monitored for integrity.

6. Modem models shall be used only for ancillary communication to person(s) of interest, such as a building manager, who wants to be informed for unusual BMS status.

7. Insight Life Safety System client workstation models shall be used primarily as annunciators for fire alarm system. All control functions of fire alarm shall be removed except the alarm-acknowledge function. The control functions of the fire alarm system may be permitted in main client workstation when such work-station is installed, meeting all the follow requirements.

   a) in the same room where the fire alarm control panel is located
   b) at a distance not greater than 10 (ten) from the fire alarm control panel
   c) all wiring shall be installed in conduits and monitored for integrity

8. All control panels shall be of MEA-accepted or BS&A-approved type.

9. Underwriters Laboratories Inc.'s listing requirements and limitations shall be fully complied with.

10. Overall system configuration and installation is subject to Fire Department inspection and testing.

11. All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to that tested and acceptable for use, as provided in Section 27-131 of the New York City Building Code.

Final Acceptance February 5, 2007

Examined By Donald