NOTIFIER®
by Honeywell

ONYX® Series
Basic Panel Configuration Manual

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Panel Configuration Manual

NOTIFIER® by Honeywell

Purpose

This document provides guidance on basic system configurations. Not every possible configuration is covered. NOTIFIER By Honeywell/Honeywell Security and Fire cannot be held liable for any errors or omissions within the document. By using this guide, the user assumes all responsibility for selecting all of the appropriate equipment and optional components.

This Panel Configuration Manual covers basic configurations of the NFS-320, NFS2-640, and NFS2-3030. Unless called out with a specific suffix at the end of the part number, all variations apply as noted below:

NFS-320

- NFS-320-PO
- NFS-320-SP
- NFS-320C
- NFS-320C-FR
- NFS-320E
- NFS-320E-PO
- NFS-320E-SP
- NFS-320R

CPU-320SYS

- CPU-320SYSE
- CPU-320SYS-C

CPU2-640

- CPU2-640-FR
- CPU2-640-PO
- CPU2-640-SP
- CPU2-640E
- CPU2-640E-PO
- CPU2-640E-SP

CPU2-3030D

- CPU2-3030D-FR
- CPU2-3030D-HE
- CPU2-3030D-KO
- CPU2-3030D-M
- CPU2-3030D-PO
- CPU2-3030D-SC
- CPU2-3030D-SP
- CPU2-3030D-TC
- CPU2-3030D-TH
- CPU2-3030DC

CPU2-3030ND

- CPU2-3030ND-FR
- CPU2-3030ND-HE
- CPU2-3030ND-KO
- CPU2-3030ND-PO
- CPU2-3030ND-SC
- CPU2-3030ND-SP
- CPU2-3030ND-TC

NCA-2

- NCA-2-FR
- NCA-2-HE
- NCA-2-KO
- NCA-2-M
- NCA-2-PO
- NCA-2-SC
- NCA-2-SP
- NCA-2-TC
- NCA-2-TH
- NCA-2C

KDM-R2

- KDM-R2-FR
- KDM-2-PO
- KDM-R2-SP
- KDM-R2C

AMPS-24

- AMPS-24E

Table of Contents

1.1. Basic Standalone NFS-320/C Configuration

Figure 1.1 illustrates the typical configuration of a standalone NFS-320. This panel supports a single SLC loop, and can be configured in standard speed or high speed network communication. The components used in this configuration are listed in Table 1.1.

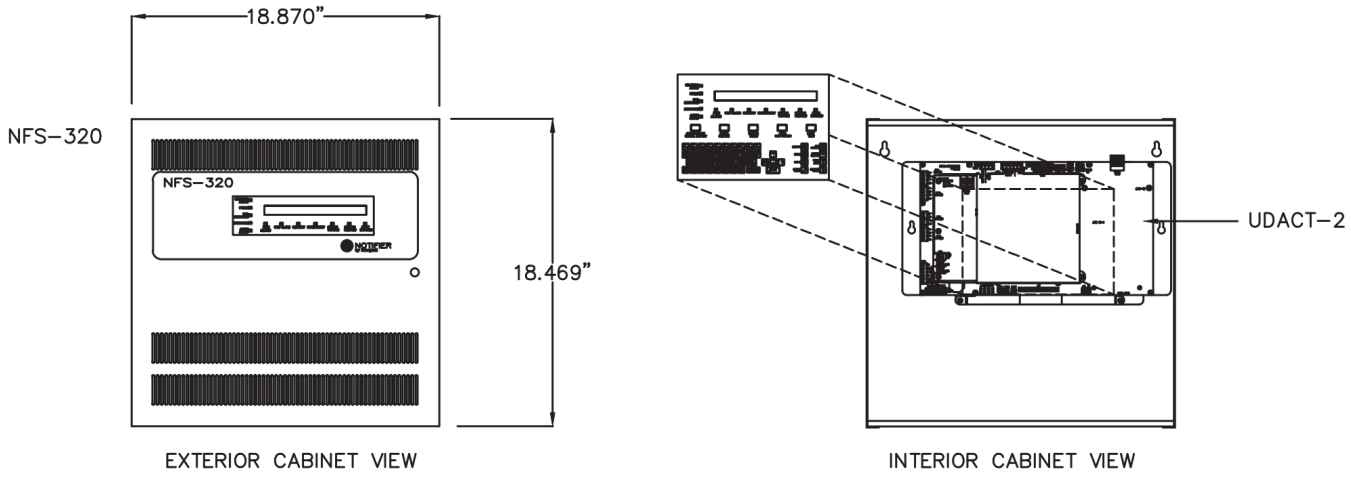

Figure 1.1 NFS-320 Standalone Configuration

Required Components		
QTY	PART NUMBER	DESCRIPTION
1	NFS-320	Intelligent Fire Alarm Control Unit
Optional Components		
	UDACT-2	Universal Digital Alarm Communicator Transmitter
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details

Table 1.1. NFS-320 Standalone Ordering Information

1.2. Basic NFS-320SYS Configuration

Figure 1.2 is a typical configuration of the NFS2-32SYS. This panel supports a single SLC loop, and can be networked for standard speed or high speed communication. The components used in this configuration are listed in Table 1.2.

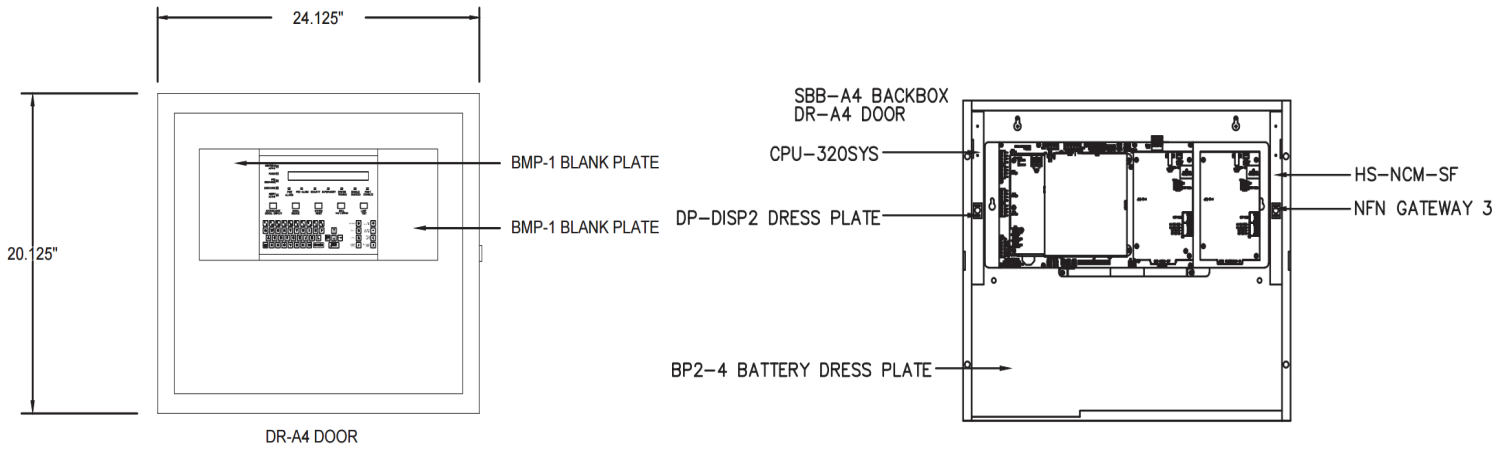

Figure 1.2. NFS-320SYS Configuration (High Speed Communication)

Required Components		
QTY	PART NUMBER	DESCRIPTION
1	DR-A4	A-Size Door w/ Window; Black
1	SBB-A4	Backbox; 1 Chassis; Black
1	BP2-4	Battery Dress Plate for CAB-4 Series
2	BMP-1	Blank Module Dress Plate
1	CPU-320SYS	Central Processing Unit for NFS-320SYS *(includes 80-character display)*
1	DP-DISP2	Dress Plate Used when CPU-320SYS is Mounted on Top Row
	Battery	Battery Size and Quantity dependent on application needs
Optional Components		
	HS-NCM-SF	High-Speed Network Control Module; Single Mode Fiber
	NFN-GW-EM-3	ONYXWWORKS Intelligent Gateway Interface
	UDACT-2	Universal Digital Alarm Communicator Transmitter-2
	ACM-24AT	ONYX Series ACS Annunciator
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details

Table 1.2. NFS-320SYS Ordering Information

2.1. NFS2-640 Series without Voice

Figure 2.1 is a typical configuration of the NFS2-640 expanded to support up to two (2) SLC loops. The components used in this configuration are listed in the "Required Components" section in Table 2.1. The NFS2-640 can also be mounted into cabinet sizes, other than the one illustrated (see "Optional Components" in Table 2.1).

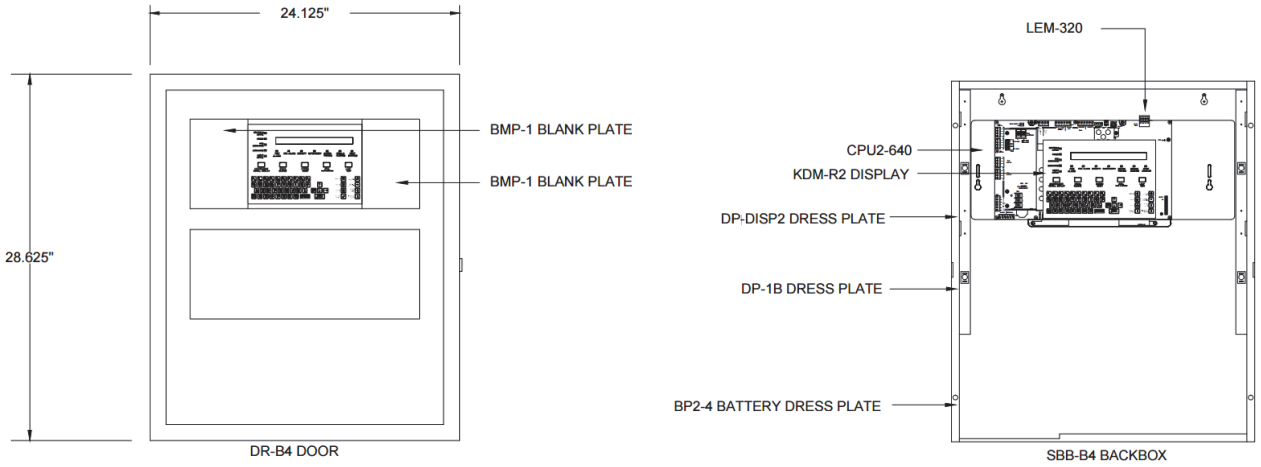

Figure 2.1. NFS2-640 Configuration in SBB-A4 Backbox

Required Components		
QTY	PART NUMBER	DESCRIPTION
1	DR-B4 (Pictured)	B-Size door with window; Black
1	SBB-B4 (Pictured)	Backbox; 2 Chassis; Black
1	DP-DISP2	Dress Plate; Display; Black
1	DP-1B	Dress Panel Blank; Covers Unused Cabinet Row(s); Black
1	CPU2-640	Central Processing Unit for NFS2-640; with Display
1	KDM-R2	Keyboard Display Module For the NFS2-640
1	LEM-320	Loop Expander Module
1	BP2-4	Battery Dress Panel for Cab-4 Series
2	BMP-1	Blank Module Dress Plate
	Battery	Battery size and quantity based on application needs

Table 2.1 NFS2-640 w/ SBB-B4 Ordering Information

NFS2-640 w/ SBB-B4 Ordering Information (continued)		
Optional Components		
	UDACT-2	Universal Digital Alarm Communicator Transmitter-2
	ACM-24AT	ONYX Series ACS Annunciator
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details
	DR-A4	A-Size door with window; Black
	SBB-A4	Backbox; 1 Chassis; Black
	DR-C4	C-Size door with window; Black
	SBB-C4	Backbox; 3 Chassis; Black
	DR-D4	D-Size door with window; Black
	SBB-D4	Backbox; 4 Chassis; Black

2.2. NFS2-640 Series w/ Voice, No Fire Fighter Telephone (No FFT)

Figure 2.2 is a typical configuration of the NFS2-640 expanded to support voice evacuation capabilities, and up to two (2) SLC loops. The components used in this configuration are listed in the "Required Components" section in Table 2.2. The NFS2-640 can also be mounted into cabinet sizes, other than the one illustrated (see "Optional Components" in Table 2.2).

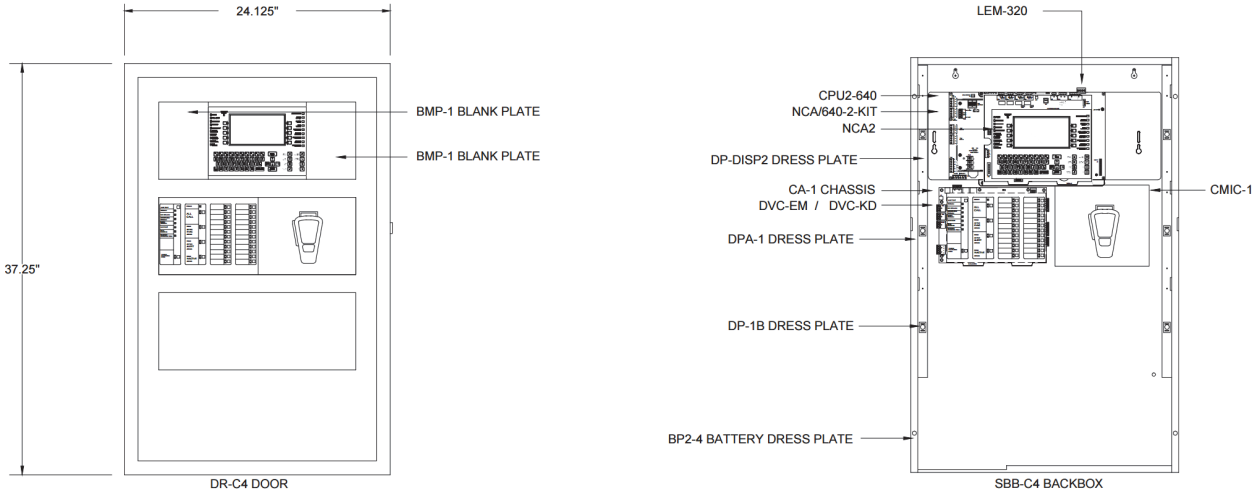

Figure 2.2. NFS2-640 Configuration w/ Voice in SBB-C4 Backbox

Required Components Note: Amplifier requirements based on application needs – Please refer to "DVC Application Guide" for further details		
QTY	PART NUMBER	DESCRIPTION
1	SBB-C4	Backbox; 3 Chassis; Black
1	BP2-4	Battery Dress Panel for CAB-4 Series
2	BMP-1	Blank Module Dress Plate
1	DR-C4	C Size Door with Window; Black
1	CPU2-640	Central Processing Unit for NFS2-640
1	CA-1	Chassis; DVC; One Row
1	CMIC-1	Chassis; Paging Microphone; Well
1	DVC-EM	Digital Voice Command; Extended Memory
1	DVC-KD	Digital Voice Command; Keypad Display
1	DP-1B	Dress Panel Blank; Covers Unused Cabinet Row(s); Black
1	DP-DISP2	Dress Plate Used when CPU2-640 is Mounted on top row
1	DPA-1	Dress Plate; DVC; One Row
1	LEM-320	Loop Expander Module
1	NCA-2	Network Control Annunciator
1	NCA/640-2-Kit	Mounting Kit; NCA-2 to Displayless NFS2-640
	Battery	Battery size and quantity based on application needs

Table 2.2. NFS2-640 w/ SBB-B4 Ordering Information

NFS2-640 w/ SBB-B4 Ordering Information (Continued)		
Optional Components		
	UDACT-2	Universal Digital Alarm Communicator Transmitter-2
	ACM-24AT	ONYX Series ACS Annunciator
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details
	DR-C4	C-Size door with window; Black
	SBB-C4	Backbox; 3 Chassis; Black
	DR-D4	D-Size door with window; Black
	SBB-D4	Backbox; 4 Chassis; Black

Table 2.2 (Continued)

2.3. NFS2-640 Series w/ Voice (FFT)

Figure 2.3 is a typical configuration of the NFS2-640 expanded to support voice evacuation capabilities, and up to two (2) SLC loops. The components used in this configuration are listed in the "Required Components" section in Table 2.3. The NFS2-640 can also be mounted into cabinet sizes, other than the one illustrated (see "Optional Components" in Table 2.3.)

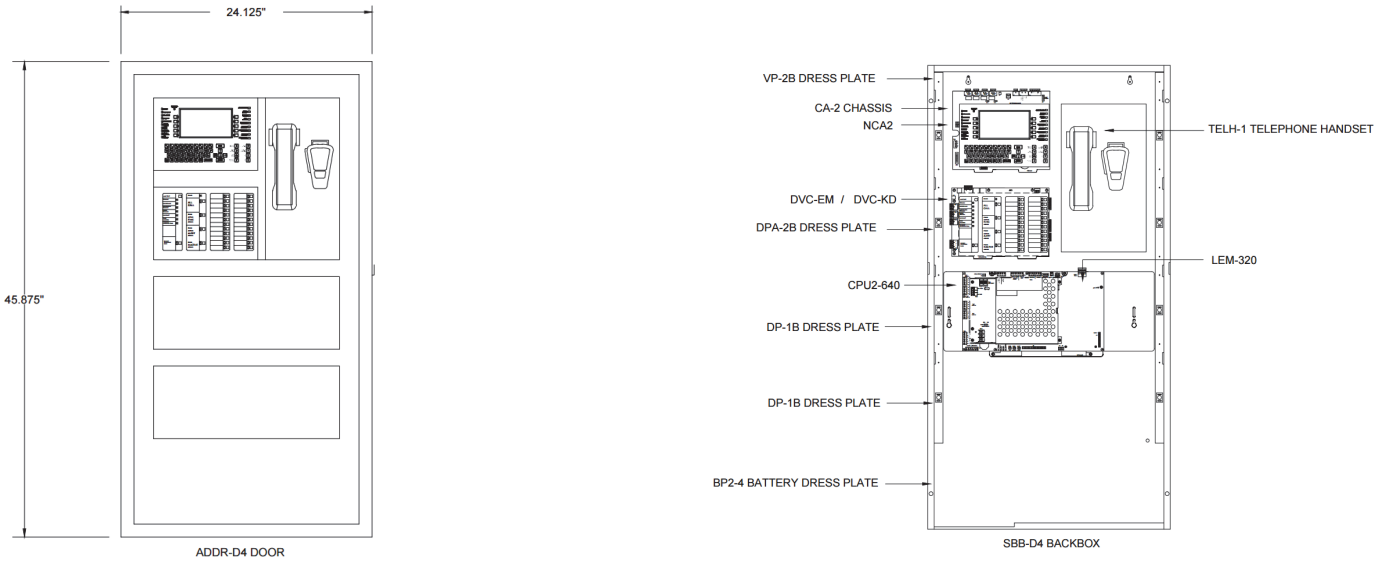

Figure 2.3. NFS2-640 Configuration w/ Voice and FFT in SBB-D4 Backbox

Required Components Note: Amplifier requirements based on application needs – Please refer to "DVC Application Guide" for further details		
QTY	PART NUMBER	DESCRIPTION
1	VP-2B	2" Filler Dress Plate
1	ADDR-D4	Audio Command Door for CAB-D4; Black
1	SBB-D4	Backbox; 4 Chassis; Black
1	BP2-4	Battery Dress Panel for CAB-4 Series
1	CPU2-640	Central Processing Unit for NFS2-640
1	CA-2	Chassis; DVC; Two Rows; Includes MIC-1; Use ADDR series Doors
1	DVC-EM	Digital Voice Command; Extended Memory
1	DVC-KD	Digital Voice Command; Keypad Display
2	DP-1B	Dress Panel Blank; Covers Unused Cabinet Row(s); Blacnk
1	DPA-2B	Dress Plate; DVC; 2 Rows
1	TELH-1	Firefighters Telephone Handset
1	LEM-320	Loop Expander Module
1	NCA-2	Network Control Annunciator
	Battery	Battery size and quantity based on application needs

Table 2.3. NFS2-640 w/ SBB-B4 Ordering Information

NFS2-640 w/ SBB-B4 Ordering Information (Continued)		
Optional Components		
	UDACT-2	Universal Digital Alarm Communicator Transmitter-2
	ACM-24AT	ONYX Series ACS Annunciator
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details
	ADDR-C4	C-Size door with window; Black
	SBB-C4	Backbox; 3 Chassis; Black

Table 2.3. (Continued)

3.1. NFS2-3030 Series, SBB-A4 Cabinet

The SBB-A4 is a single tier backbox capable of housing the configurations illustrated in Figure 3.1.1 The NFS2-3030, mounted in the SBB-A4 cabinet, is expandable to support up to four (4) SLC loops. Table 3.1.1 lists the components that can be ordered for the NSF2-3030 Series Fire Alarm Control Panel with the SBB-A4 cabinet expanded to support four (4) SLC loops.

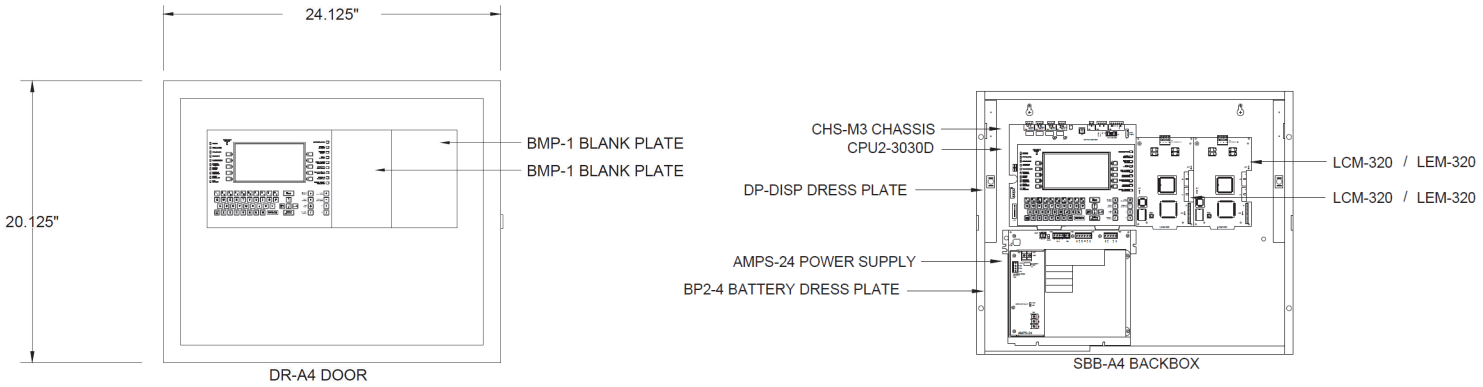

Figure 3.1.1 NFS2-3030 Configuration in SBB-A4 Backbox

Required Components		
QTY	PART NUMBER	DESCRIPTION
1	DR-A4	A-Size door with window; Black
1	SBB-A4	Backbox; 1 Chassis; Black
1	AMPS-24	Addressable Power Supply; 120VAC (NFS-3030, NFS2-3030)
1	DP-DISP	Dress Plate; Display; Black
1	CHS-M3	Mounting Chassis; Used for CPU-3030 and NCA2
1	CPU2-3030D	Central Processing Unit for NFS2-3030; with Display
2	LCM-320	Loop Control Module
2	LEM-320	Loop Expander Module
1	BP2-4	Battery Dress Panel for Cab-4 Series
2	BMP-1	Blank Module Dress Plate
	Battery	Battery size and quantity based on application needs
Optional Components		
	UDACT-2	Universal Digital Communicator Transmitter
	ACM/AEM-24AT	ONYX Series ACS Annunciator & Expander Module 24 Alarm and Trouble LEDs
	ACM/AEM-48A	ONYX Series ACS Annunciator & Expander Module 48 Alarm and Trouble LEDs
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details

Table 3.1.1. NFS2-3030 w/ SBB-A4 Ordering Information

3.2. NFS2-3030 Series Fire Alarm Control Panel, SBB-B4 Cabinet

The SBB-B4 is a two-tiered backbox capable of housing the following NFS2-3030 configurations illustrated in Sections 3.2.1 through 3.2.4

- 3.2.1. NFS2-3030, SBB-B4 Cabinet, No Voice, Four (4) SLC Loops
- 3.2.2. NFS2-3030, SBB-B4 Cabinet, No Voice, Six (6) SLC Loops
- 3.2.3. NFS2-3030, SBB-B4 Cabinet, No Voice, Eight (8) SLC Loops
- 3.2.4. NFS2-3030, SBB-B4 Cabinet, No Voice, 10 SLC Loops

3.2.1. NFS2-3030 Series, SBB-B4 Cabinet (No Voice) - Four SLC Loops

The SBB-B4 is a two-tiered backbox capable of housing components supporting NOTIFIER's Onyx Series FACP. The configurations illustrated in Figure 3.2.1., shows the NFS2-3030 mounted in the SBB-B4 cabinet, expanded to support up to four (4) SLC loops. Table 3.2.1 lists the components that are required for this panel configuration.

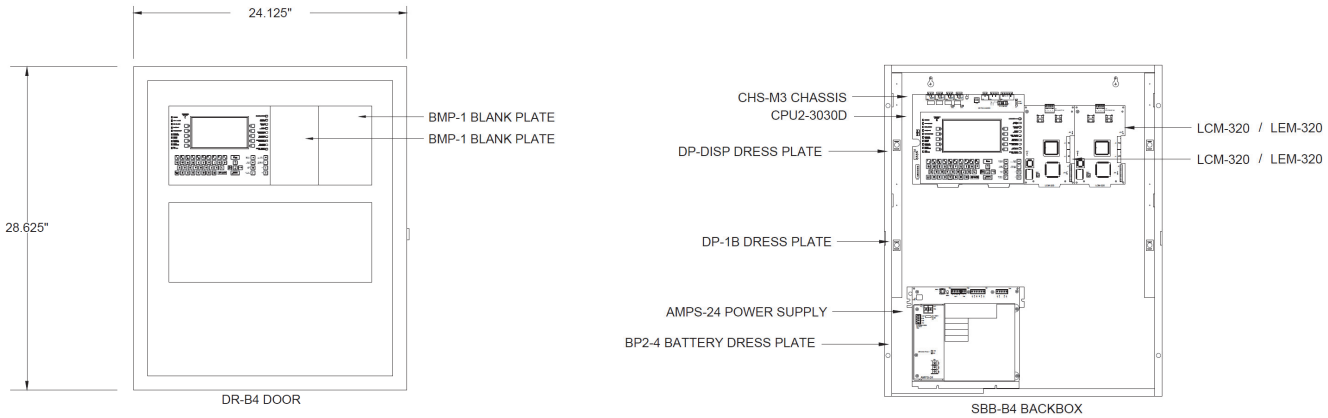

Figure 3.2.1. NFS2-3030 Configuration in SBB-B4 Backbox (4 SLC Loops)

Required Components		
QTY	PARTNUMBER	DESCRIPTION
1	AMPS-24	Addressable Power Supply; 120VAC (NFS-3030/NFS2-3030)
1	SBB-B4	Backbox; 2 Chassis; Black
1	BP2-4	Battery Dress Panel for Cab-4 Series
2	BMP-1	Blank Module Dress Plate
1	DR-B4	B Size Door with Window; Black
1	CPU2-3030D	Central Processing Unit for NFS2-3030; With Display
1	DP-1B	Dress Panel Blank; Covers Unused Cabinet Row(s); Black
1	DP-DISP	Dress Plate; Display; Black
2	LCM-320	Loop Control Module
2	LEM-320	Loop Expander Module
1	CHS-M3	Mounting Chassis; Used for CPU-3030 and NCA2
	Battery	Battery size and quantity based on application needs
Optional Components		
	UDACT-2	Universal Digital Communicator Transmitter
	ACM/AEM-24AT	ONYX Series ACS Annunciator & Expander Module 24 Alarm and Trouble LEDs
	ACM/AEM-48A	ONYX Series ACS Annunciator & Expander Module 48 Alarm and Trouble LEDs
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details

Table 3.2.1. NFS2-3030 w/ Four SLC Loops in SBB-B4 Ordering Information

3.2.2. NFS2-3030 Series, SBB-B4 Cabinet (No Voice) - Six SLC Loops

The SBB-B4 is a two-tiered backbox capable of housing components supporting NOTIFIER's Onyx Series FACP. The configuration illustrated in Figure 3.2.2 shows the NFS2-3030 mounted in the SBB-B4 cabinet is expanded to support up to six (6) SLC loops. Table 3.2.2 lists the components that required for this panel configuration.

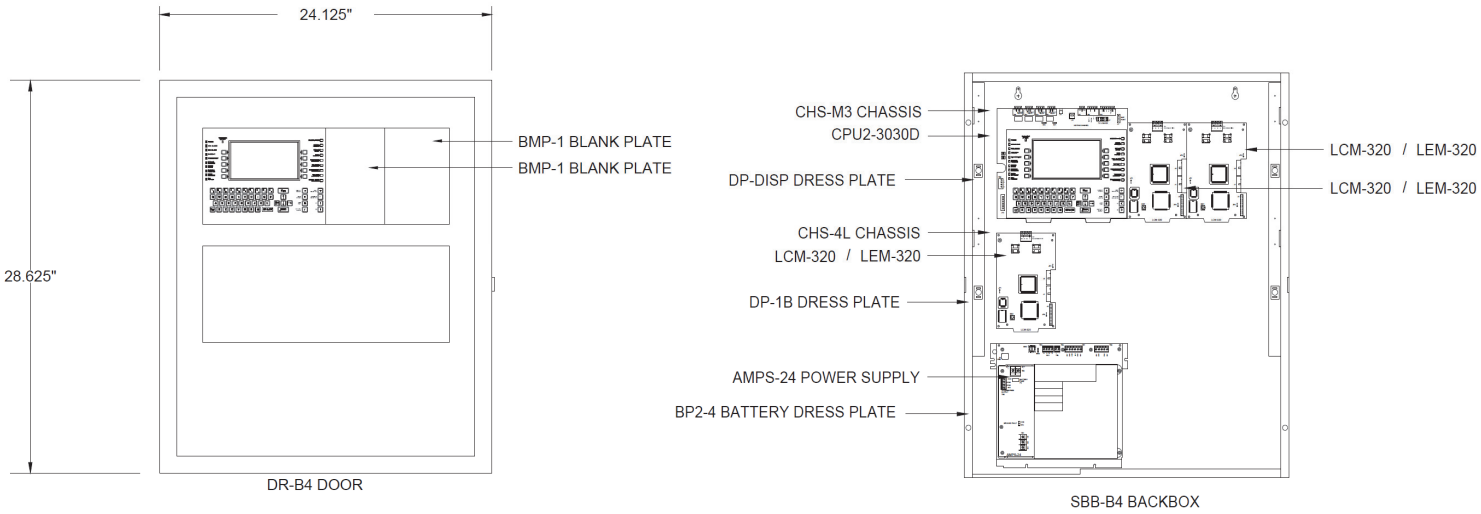

Figure 3.2.2. NFS2-3030 Configuration in SBB-B4 Backbox (6 SLC Loops)

Required Components		
QTY	PARTNUMBER	DESCRIPTION
1	AMPS-24	Addressable Power Supply; 120VAC (NFS-3030/NFS2-3030)
1	SBB-B4	Backbox; 2 Chassis; Black
1	BP2-4	Battery Dress Panel for Cab-4 Series
2	BMP-1	Blank Module Dress Plate
1	DR-B4	B Size Door with Window; Black
1	CPU2-3030D	Central Processing Unit for NFS2-3030; With Display
1	CHS-4L	Chassis; Low Profile' For Mounting AA-30; LDM or APS2-6R
1	DP-1B	Dress Panel Blank; Covers Unused Cabinet Row(s); Black
1	DP-DISP	Dress Plate; Display; Black
3	LCM-320	Loop Control Module
3	LEM-320	Loop Expander Module
1	CHS-M3	Mounting Chassis; Used for CPU-3030 and NCA2
	Battery	Battery size and quantity based on application needs
Optional Components		
	UDACT-2	Universal Digital Communicator Transmitter
	ACM/AEM-24AT	ONYX Series ACS Annunciator & Expander Module 24 Alarm and Trouble LEDs
	ACM/AEM-48A	ONYX Series ACS Annunciator & Expander Module 48 Alarm and Trouble LEDs
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details

Table 3.2.2. NFS2-3030 w/ Six SLC Loops in SBB-B4 Ordering Information

3.2.3. NFS2-3030 Series, SBB-B4 Cabinet (No Voice) - Eight SLC Loops

The SBB-B4 is a two-tiered backbox capable of housing components supporting NOTIFIER's Onyx Series FACP. The configuration illustrated in Figure 3.2.3 shows the NFS2-3030 mounted in the SBB-B4 cabinet is expanded to support up to eight (8) SLC loops. Table 3.2.3 lists the components that required for this panel configuration.

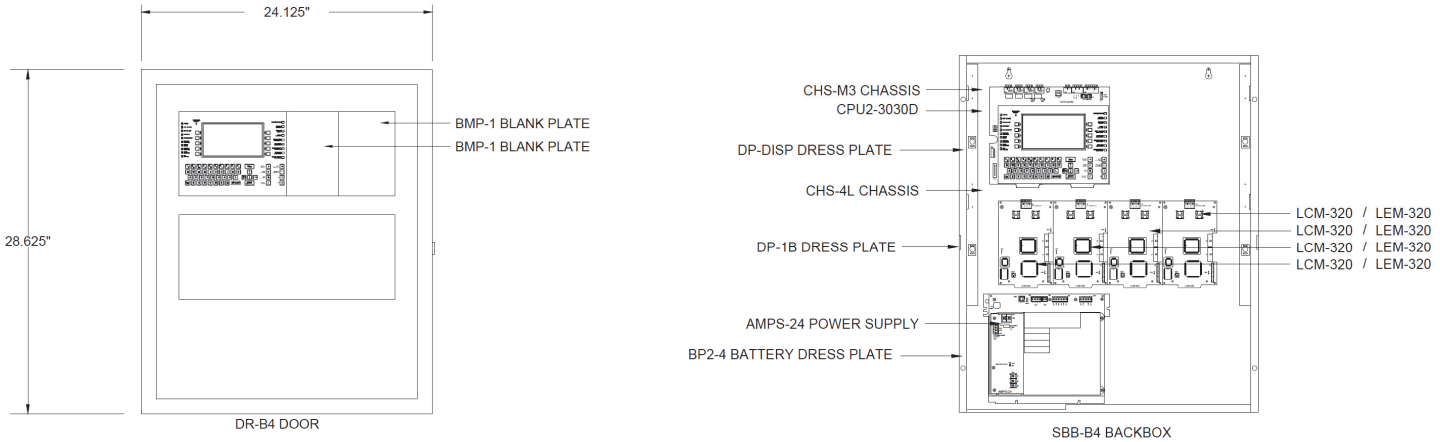

Figure 3.2.3. NFS2-3030 Configuration in SBB-B4 Backbox (8 SLC Loops)

Required Components		
QTY	PARTNUMBER	DESCRIPTION
1	AMPS-24	Addressable Power Supply; 120VAC (NFS-3030/NFS2-3030)
1	SBB-B4	Backbox; 2 Chassis; Black
1	BP2-4	Battery Dress Panel for Cab-4 Series
2	BMP-1	Blank Module Dress Plate
1	DR-B4	B Size Door with Window; Black
1	CPU2-3030D	Central Processing Unit for NFS2-3030; With Display
1	CHS-4L	Chassis; Low Profile' For Mounting AA-30; LDM or APS2-6R
1	DP-1B	Dress Panel Blank; Covers Unused Cabinet Row(s); Black
1	DP-DISP	Dress Plate; Display; Black
4	LCM-320	Loop Control Module
4	LEM-320	Loop Expander Module
1	CHS-M3	Mounting Chassis; Used for CPU-3030 and NCA2
	Battery	Battery size and quantity based on application needs
Optional Components		
	UDACT-2	Universal Digital Communicator Transmitter
	ACM/AEM-24AT	ONYX Series ACS Annunciator & Expander Module 24 Alarm and Trouble LEDs
	ACM/AEM-48A	ONYX Series ACS Annunciator & Expander Module 48 Alarm and Trouble LEDs
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details

Table 3.2.3. NFS2-3030 w/ Eight SLC Loops in SBB-B4 Ordering Information

3.2.4. NFS2-3030 Series, SBB-B4 Cabinet (No Voice) - 10 SLC Loops

The SBB-B4 is a two-tiered backbox capable of housing components supporting NOTIFIER's Onyx Series FACP. The configuration illustrated in Figure 3.2.4 shows the NFS2-3030 mounted in the SBB-B4 cabinet is expanded to support up to 10 SLC loops. Table 3.2.4 lists the components that required for this panel configuration.

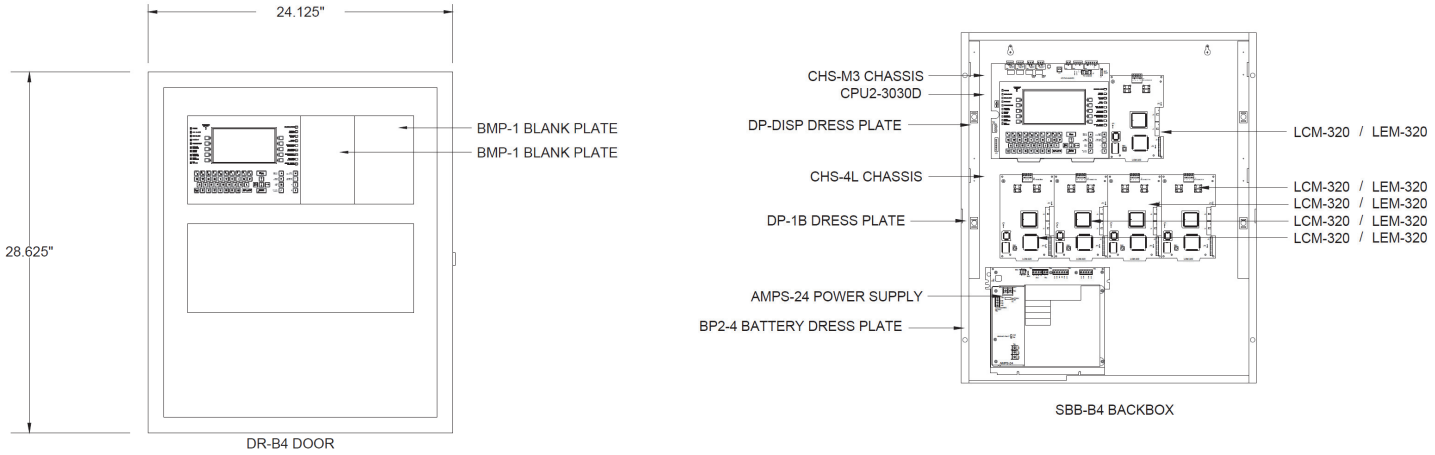

Figure 3.2.4. NFS2-3030 Configuration in SBB-B4 Backbox (10 SLC Loops)

Required Components		
QTY	PARTNUMBER	DESCRIPTION
1	AMPS-24	Addressable Power Supply; 120VAC (NFS-3030/NFS2-3030)
1	SBB-B4	Backbox; 2 Chassis; Black
1	BP2-4	Battery Dress Panel for Cab-4 Series
2	BMP-1	Blank Module Dress Plate
1	DR-B4	B Size Door with Window; Black
1	CPU2-3030D	Central Processing Unit for NFS2-3030; With Display
1	CHS-4L	Chassis; Low Profile' For Mounting AA-30; LDM or APS2-6R
1	DP-1B	Dress Panel Blank; Covers Unused Cabinet Row(s); Black
1	DP-DISP	Dress Plate; Display; Black
5	LCM-320	Loop Control Module
5	LEM-320	Loop Expander Module
1	CHS-M3	Mounting Chassis; Used for CPU-3030 and NCA2
	Battery	Battery size and quantity based on application needs
Optional Components		
	UDACT-2	Universal Digital Communicator Transmitter
	ACM/AEM-24AT	ONYX Series ACS Annunciator & Expander Module 24 Alarm and Trouble LEDs
	ACM/AEM-48A	ONYX Series ACS Annunciator & Expander Module 48 Alarm and Trouble LEDs
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details

Table 3.2.4. NFS2-3030 w/ 10 SLC Loops in SBB-B4 Ordering Information

3.3. NFS2-3030 Series Fire Alarm Control Panel, SBB-C4 Cabinet

The SBB-C4 is a three-tiered backbox capable of housing the following NFS2-3030 configurations illustrated in Sections 3.3.1 through 3.3.3

- 3.3.1. NFS2-3030, SBB-C4 Cabinet, No Voice, Six (6) SLC Loops
- 3.3.2. NFS2-3030, SBB-C4 Cabinet, No Voice, Eight (8) SLC Loops
- 3.3.3. NFS2-3030, SBB-C4 Cabinet, No Voice, 10 SLC Loops

3.3.1. NFS2-3030 Series, SBB-C4 Cabinet (No Voice) - Six SLC Loops

The SBB-C4 is a three-tiered backbox capable of housing components supporting NOTIFIER's Onyx Series FACP. The configuration illustrated in Figure 3.3.1 shows the NFS2-3030 mounted in the SBB-C4 cabinet is expanded to support up to six (6) SLC loops. Table 3.3.1 lists the components that required for this panel configuration.

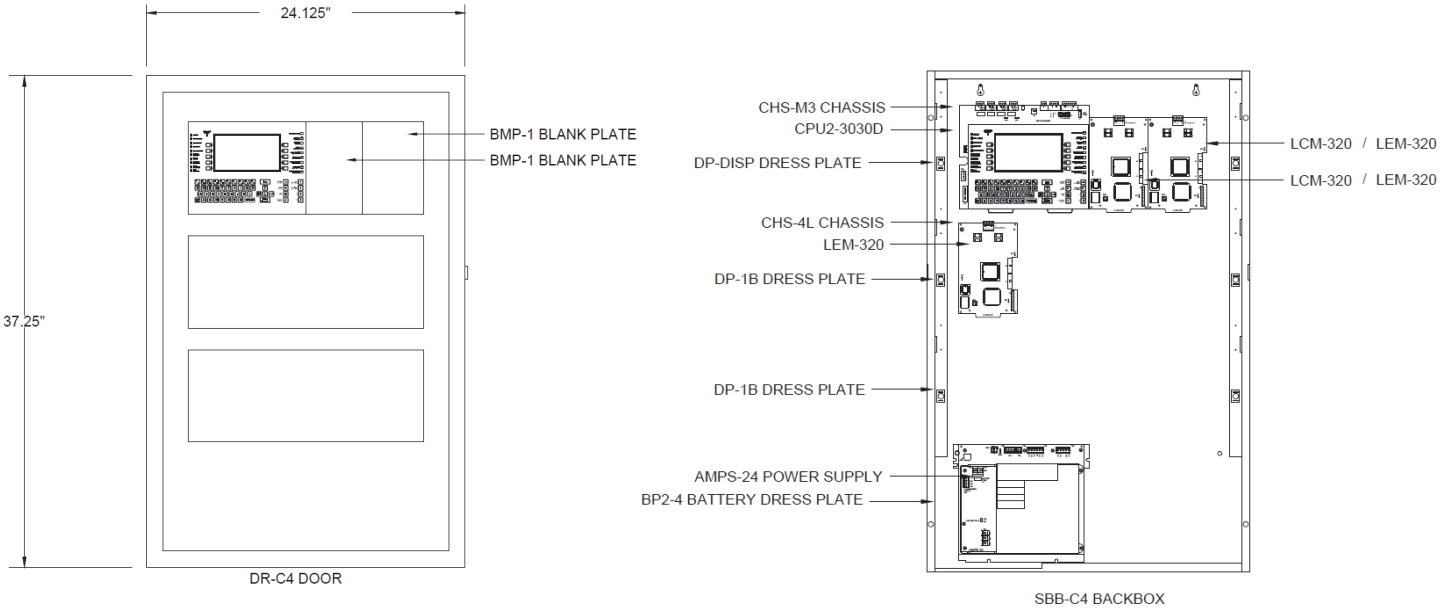

Figure 3.3.1. NFS2-3030 Configuration in SBB-C4 Backbox (Six SLC Loops)

Required Components		
QTY	PARTNUMBER	DESCRIPTION
1	AMPS-24	Addressable Power Supply; 120VAC (NFS-3030/NFS2-3030)
1	SBB-C4	Backbox; 3 Chassis; Black
1	BP2-4	Battery Dress Panel for Cab-4 Series
2	BMP-1	Blank Module Dress Plate
1	DR-C4	C Size Door with Window; Black
1	CPU2-3030D	Central Processing Unit for NFS2-3030; With Display
1	CHS-4L	Chassis; Low Profile' For Mounting AA-30; LDM or APS2-6R
2	DP-1B	Dress Panel Blank; Covers Unused Cabinet Row(s); Black
1	DP-DISP	Dress Plate; Display; Black
3	LCM-320	Loop Control Module
3	LEM-320	Loop Expander Module
1	CHS-M3	Mounting Chassis; Used for CPU-3030 and NCA2
	Battery	Battery size and quantity based on application needs
Optional Components		
	UDACT-2	Universal Digital Communicator Transmitter
	ACM/AEM-24AT	ONYX Series ACS Annunciator & Expander Module 24 Alarm and Trouble LEDs
	ACM/AEM-48A	ONYX Series ACS Annunciator & Expander Module 48 Alarm and Trouble LEDs
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details

Table 3.3.1. NFS2-3030 w/ Six SLC Loops in SBB-C4 Ordering Information

3.3.2. NFS2-3030 Series, SBB-C4 Cabinet (No Voice) - Eight SLC Loops

The SBB-C4 is a three-tiered backbox capable of housing components supporting NOTIFIER's Onyx Series FACP. The configuration illustrated in Figure 3.3.2 shows the NFS2-3030 mounted in the SBB-C4 cabinet is expanded to support up to eight (8) SLC loops. Table 3.3.2 lists the components that required for this panel configuration.

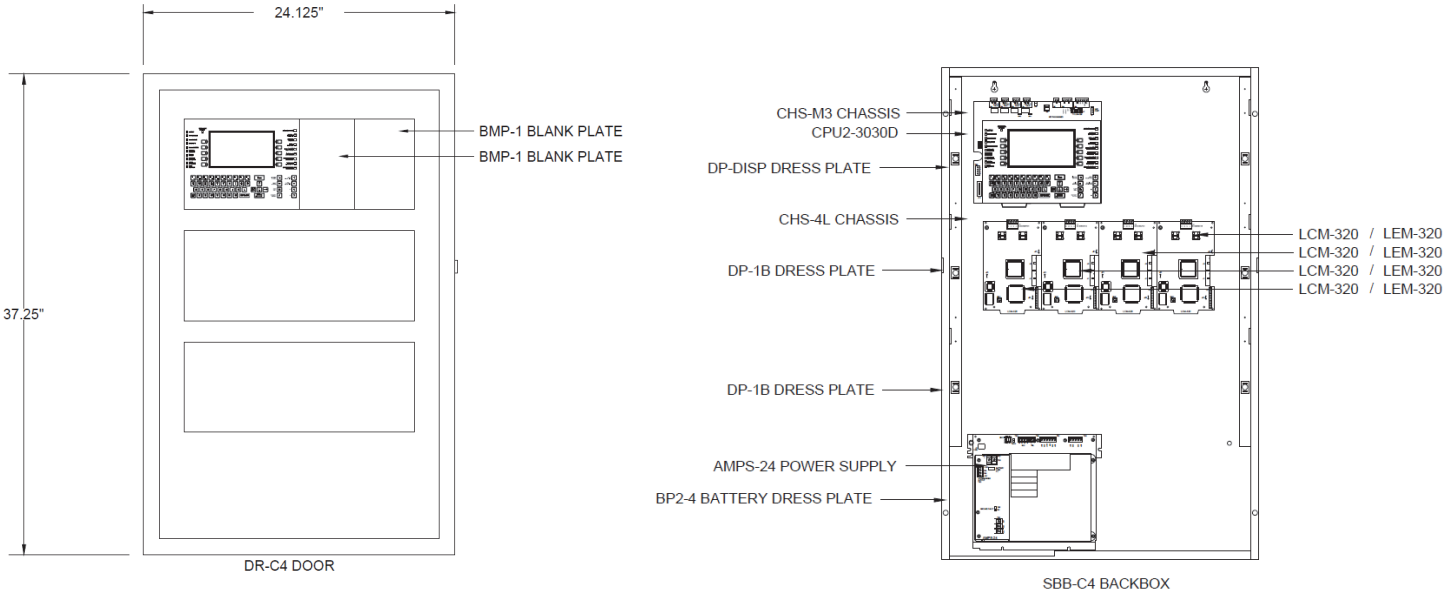

Figure 3.3.2. NFS2-3030 Configuration in SBB-C4 Backbox (Eight SLC Loops)

Required Components		
QTY	PARTNUMBER	DESCRIPTION
1	AMPS-24	Addressable Power Supply; 120VAC (NFS-3030/NFS2-3030)
1	SBB-C4	Backbox; 3 Chassis; Black
1	BP2-4	Battery Dress Panel for Cab-4 Series
2	BMP-1	Blank Module Dress Plate
1	DR-C4	C Size Door with Window; Black
1	CPU2-3030D	Central Processing Unit for NFS2-3030; With Display
1	CHS-4L	Chassis; Low Profile' For Mounting AA-30; LDM or APS2-6R
2	DP-1B	Dress Panel Blank; Covers Unused Cabinet Row(s); Black
1	DP-DISP	Dress Plate; Display; Black
4	LCM-320	Loop Control Module
4	LEM-320	Loop Expander Module
1	CHS-M3	Mounting Chassis; Used for CPU-3030 and NCA2
	Battery	Battery size and quantity based on application needs
Optional Components		
	UDACT-2	Universal Digital Communicator Transmitter
	ACM/AEM-24AT	ONYX Series ACS Annunciator & Expander Module 24 Alarm and Trouble LEDs
	ACM/AEM-48A	ONYX Series ACS Annunciator & Expander Module 48 Alarm and Trouble LEDs
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details

Table 3.3.2. NFS2-3030 w/ Eight SLC Loops in SBB-C4 Ordering Information

3.3.3. NFS2-3030 Series, SBB-C4 Cabinet (No Voice) - 10 SLC Loops

The SBB-C4 is a three-tiered backbox capable of housing components supporting NOTIFIER's Onyx Series FACP. The configuration illustrated in Figure 3.3.3 shows the NFS2-3030 mounted in the SBB-C4 cabinet is expanded to support up to 10 SLC loops. Table 3.3.3 lists the components that required for this panel configuration.

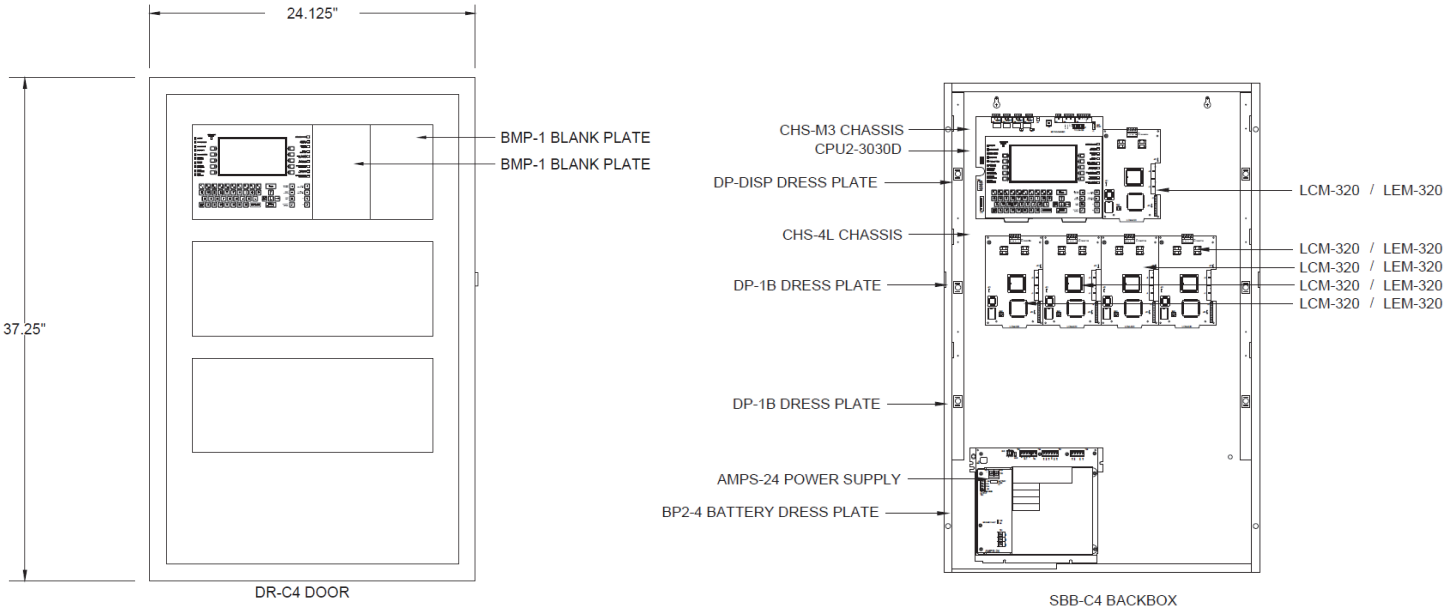

Figure 3.3.3. NFS2-3030 Configuration in SBB-C4 Backbox (10 SLC Loops)

Required Components		
QTY	PARTNUMBER	DESCRIPTION
1	AMPS-24	Addressable Power Supply; 120VAC (NFS-3030/NFS2-3030)
1	SBB-C4	Backbox; 3 Chassis; Black
1	BP2-4	Battery Dress Panel for Cab-4 Series
2	BMP-1	Blank Module Dress Plate
1	DR-C4	C Size Door with Window; Black
1	CPU2-3030D	Central Processing Unit for NFS2-3030; With Display
1	CHS-4L	Chassis; Low Profile' For Mounting AA-30; LDM or APS2-6R
2	DP-1B	Dress Panel Blank; Covers Unused Cabinet Row(s); Black
1	DP-DISP	Dress Plate; Display; Black
5	LCM-320	Loop Control Module
5	LEM-320	Loop Expander Module
1	CHS-M3	Mounting Chassis; Used for CPU-3030 and NCA2
	Battery	Battery size and quantity based on application needs
Optional Components		
	UDACT-2	Universal Digital Communicator Transmitter
	ACM/AEM-24AT	ONYX Series ACS Annunciator & Expander Module 24 Alarm and Trouble LEDs
	ACM/AEM-48A	ONYX Series ACS Annunciator & Expander Module 48 Alarm and Trouble LEDs
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details

Table 3.3.3. NFS2-3030 w/ 10 SLC Loops in SBB-C4 Ordering Information

3.4. NFS2-3030 Series Fire Alarm Control Panel, SBB-D4 Cabinet

The SBB-D4 is a four-tiered backbox capable of housing the following NFS2-3030 configurations illustrated in Sections 3.4.1 through 3.4.3

- 3.4.1. NFS2-3030, SBB-D4 Cabinet, No Voice, Six (6) SLC Loops
- 3.4.2. NFS2-3030, SBB-D4 Cabinet, No Voice, Eight (8) SLC Loops
- 3.4.3. NFS2-3030, SBB-D4 Cabinet, No Voice, 10 SLC Loops

3.4.1. NFS2-3030 Series, SBB-D4 Cabinet (No Voice) - Six SLC Loops

The SBB-D4 is a four-tiered backbox capable of housing components supporting NOTIFIER's Onyx Series FACP. The configuration illustrated in Figure 3.4.1 shows the NFS2-3030 mounted in the SBB-D4 cabinet is expanded to support up to six (6) SLC loops. Table 3.4.1 lists the components that required for this panel configuration.

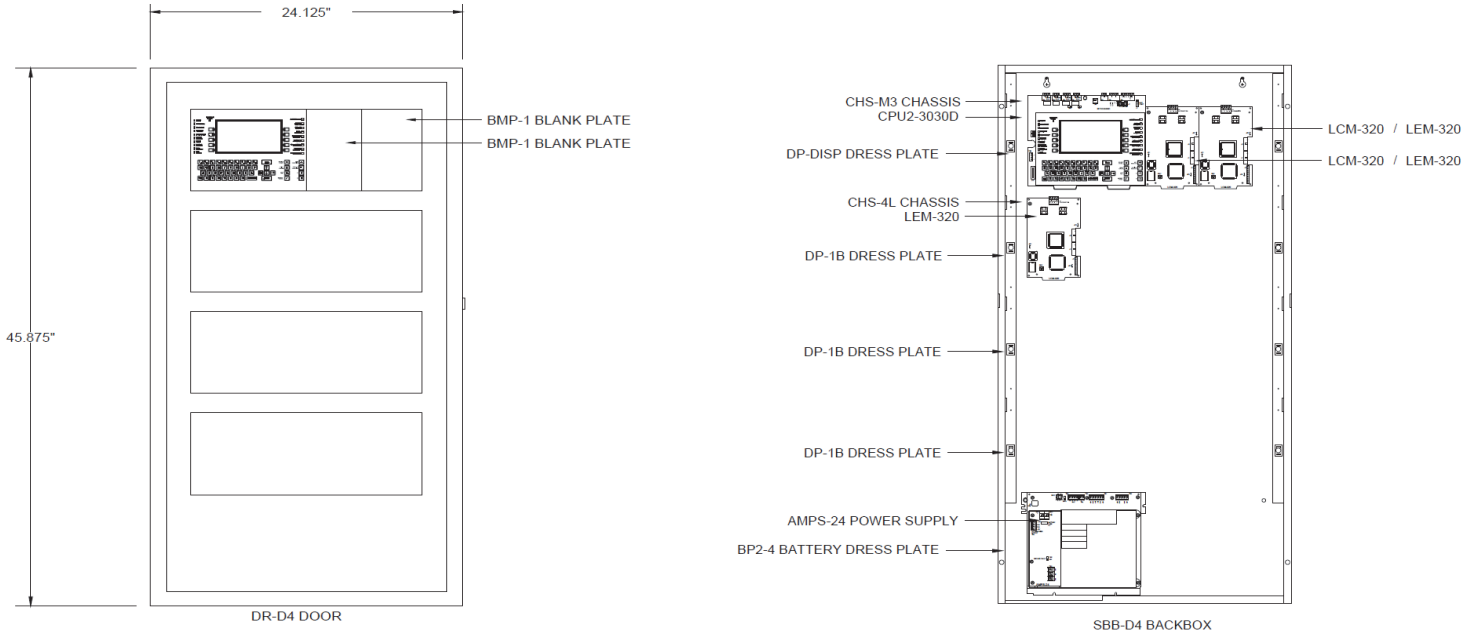

Figure 3.4.1. NFS2-3030 Configuration in SBB-D4 Backbox (Six SLC Loops)

Required Components		
QTY	PARTNUMBER	DESCRIPTION
1	AMPS-24	Addressable Power Supply; 120VAC (NFS-3030/NFS2-3030)
1	SBB-D4	Backbox; 4 Chassis; Black
1	BP2-4	Battery Dress Panel for Cab-4 Series
2	BMP-1	Blank Module Dress Plate
1	DR-D4	D Size Door with Window; Black
1	CPU2-3030D	Central Processing Unit for NFS2-3030; With Display
1	CHS-4L	Chassis; Low Profile' For Mounting AA-30; LDM or APS2-6R
2	DP-1B	Dress Panel Blank; Covers Unused Cabinet Row(s); Black
1	DP-DISP	Dress Plate; Display; Black
3	LCM-320	Loop Control Module
3	LEM-320	Loop Expander Module
1	CHS-M3	Mounting Chassis; Used for CPU-3030 and NCA2
	Battery	Battery size and quantity based on application needs
Optional Components		
	UDACT-2	Universal Digital Communicator Transmitter
	ACM/AEM-24AT	ONYX Series ACS Annunciator & Expander Module 24 Alarm and Trouble LEDs
	ACM/AEM-48A	ONYX Series ACS Annunciator & Expander Module 48 Alarm and Trouble LEDs
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details

Table 3.4.1. NFS2-3030 w/ Six SLC Loops in SBB-D4 Ordering Information

3.4.2. NFS2-3030 Series, SBB-D4 Cabinet (No Voice) - Eight SLC Loops

The SBB-D4 is a four-tiered backbox capable of housing components supporting NOTIFIER's Onyx Series FACP. The configuration illustrated in Figure 3.4.2 shows the NFS2-3030 mounted in the SBB-D4 cabinet is expanded to support up to four (4) SLC loops. Table 3.4.2 lists the components that required for this panel configuration.

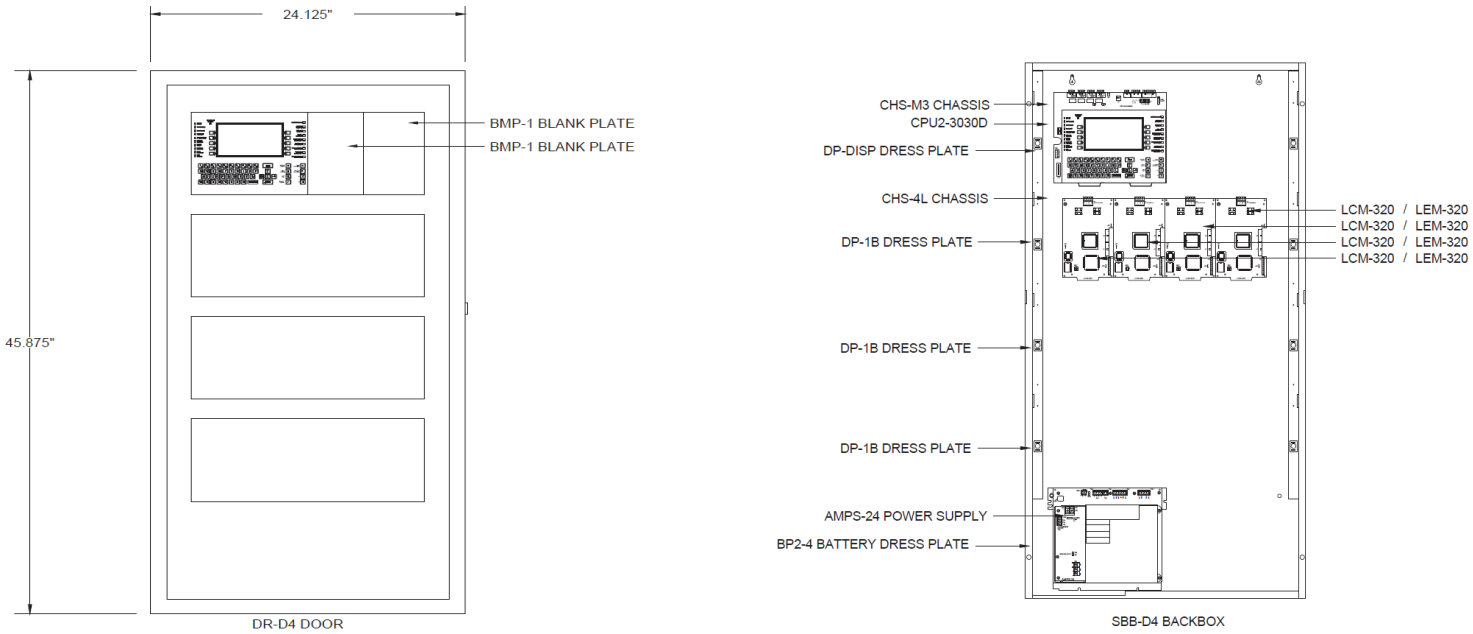

Figure 3.4.2. NFS2-3030 Configuration in SBB-D4 Backbox (Eight SLC Loops)

Required Components		
QTY	PARTNUMBER	DESCRIPTION
1	AMPS-24	Addressable Power Supply; 120VAC (NFS-3030/NFS2-3030)
1	SBB-D4	Backbox; 3 Chassis; Black
1	BP2-4	Battery Dress Panel for Cab-4 Series
2	BMP-1	Blank Module Dress Plate
1	DR-D4	C Size Door with Window; Black
1	CPU2-3030D	Central Processing Unit for NFS2-3030; With Display
1	CHS-4L	Chassis; Low Profile' For Mounting AA-30; LDM or APS2-6R
2	DP-1B	Dress Panel Blank; Covers Unused Cabinet Row(s); Black
1	DP-DISP	Dress Plate; Display; Black
4	LCM-320	Loop Control Module
4	LEM-320	Loop Expander Module
1	CHS-M3	Mounting Chassis; Used for CPU-3030 and NCA2
	Battery	Battery size and quantity based on application needs
Optional Components		
	UDACT-2	Universal Digital Communicator Transmitter
	ACM/AEM-24AT	ONYX Series ACS Annunciator & Expander Module 24 Alarm and Trouble LEDs
	ACM/AEM-48A	ONYX Series ACS Annunciator & Expander Module 48 Alarm and Trouble LEDs
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details

Table 3.4.2 NFS2-3030 w/ Eight SLC Loops in SBB-D4 Ordering Information

3.4.3. NFS2-3030 Series, SBB-D4 Cabinet (No Voice) - 10 SLC Loops

The SBB-D4 is a four-tiered backbox capable of housing components supporting NOTIFIER's Onyx Series FACP. The configuration illustrated in Figure 3.4.3 shows the NFS2-3030 mounted in the SBB-D4 cabinet is expanded to support up to 10 SLC loops. Table 3.4.3 lists the components that required for this panel configuration.

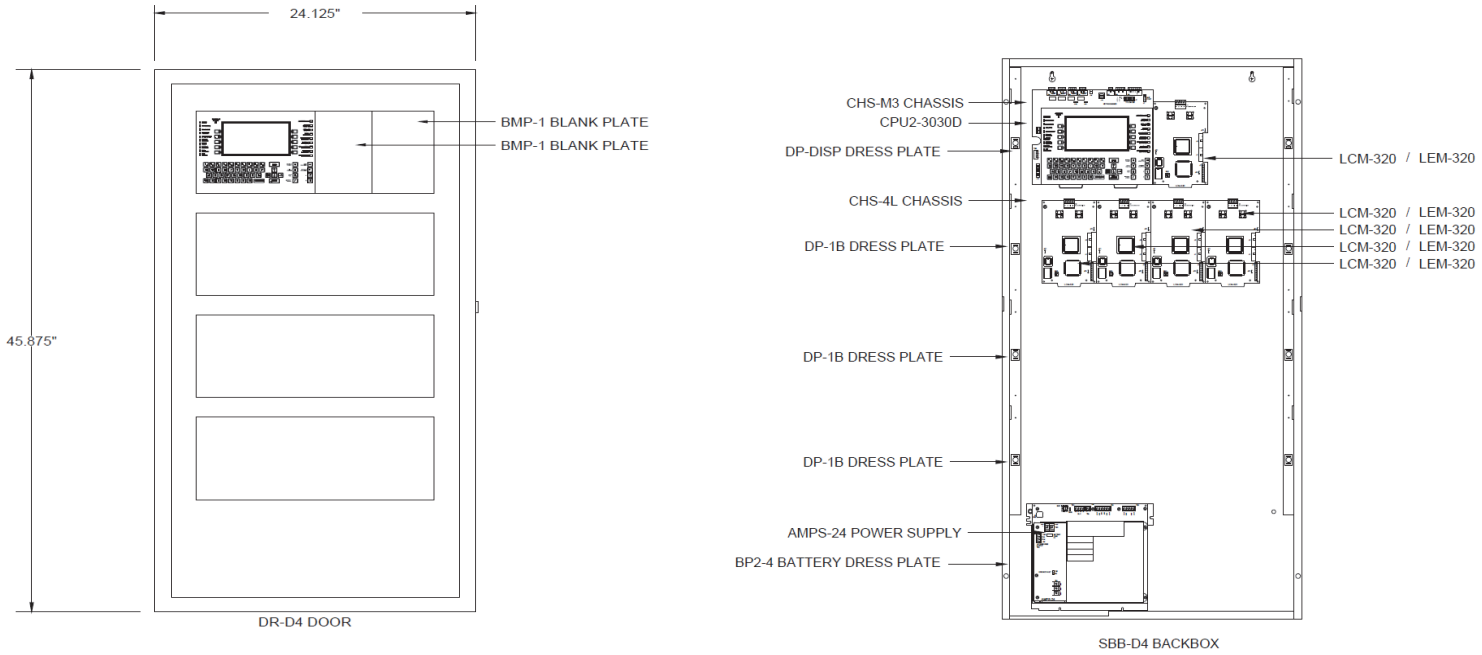

Figure 3.4.3. NFS2-3030 Configuration in SBB-D4 Backbox (10 SLC Loops)

Required Components		
QTY	PARTNUMBER	DESCRIPTION
1	AMPS-24	Addressable Power Supply; 120VAC (NFS-3030/NFS2-3030)
1	SBB-D4	Backbox; 3 Chassis; Black
1	BP2-4	Battery Dress Panel for Cab-4 Series
2	BMP-1	Blank Module Dress Plate
1	DR-D4	C Size Door with Window; Black
1	CPU2-3030D	Central Processing Unit for NFS2-3030; With Display
1	CHS-4L	Chassis; Low Profile; For Mounting AA-30; LDM or APS2-6R
2	DP-1B	Dress Panel Blank; Covers Unused Cabinet Row(s); Black
1	DP-DISP	Dress Plate; Display; Black
5	LCM-320	Loop Control Module
5	LEM-320	Loop Expander Module
1	CHS-M3	Mounting Chassis; Used for CPU-3030 and NCA2
	Battery	Battery size and quantity based on application needs
Optional Components		
	UDACT-2	Universal Digital Communicator Transmitter
	ACM/AEM-24AT	ONYX Series ACS Annunciator & Expander Module 24 Alarm and Trouble LEDs
	ACM/AEM-48A	ONYX Series ACS Annunciator & Expander Module 48 Alarm and Trouble LEDs
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details

Table 3.4.3 NFS2-3030 w/ 10 SLC Loops in SBB-D4 Ordering Information

4.1. NFS2-3030 Series Configuration w/ Voice (No FFT), SBB-B4 Cabinet

Section 4 covers NFS2-3030 configuration fitted into an SBB-B4 cabinet with voice capabilities and no Firefighter's Telephone (FFT). The SBBBD4 is a two-tiered backbox capable of housing the following NFS2-3030 configurations illustrated in Section 4.1.1.

- 4.1.1. NFS2-3030, SBB-B4 Cabinet, w/ Voice, No FFT, Four (4) SLC Loops

4.1.1. NFS2-3030 Series, SBB-B4 Cabinet w/ Voice (No FFT) – Four SLC Loops

The SBB-B4 is a two-tiered backbox capable of housing components supporting NOTIFIER's Onyx Series FACP. The configuration illustrated in Figure 4.1.1 shows the NFS2-3030 mounted in the SBB-B4 cabinet is expanded to support up to four (4) SLC loops and voice evacuation capabilities. Table 4.1.1 lists the components that required for this panel configuration.

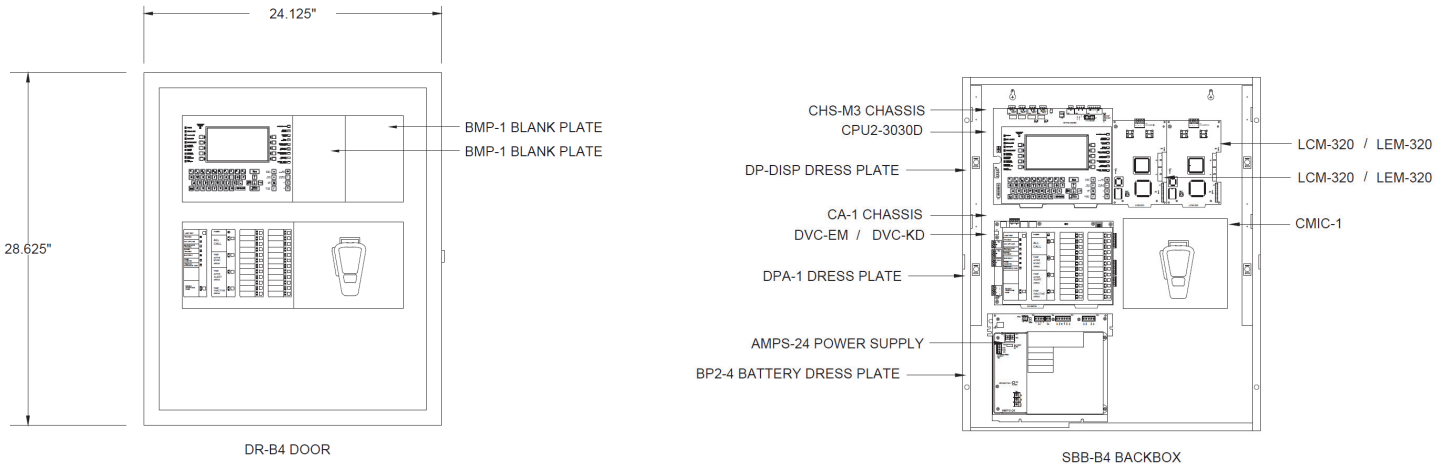

Figure 4.1.1 NFS2-3030 Configuration in SBB-B4 Backbox w/ Voice (Four SLC Loops)

Required Components Note: Amplifier requirements based on application needs – Please refer to "DVC Application Guide" for further details		
QTY	PARTNUMBER	DESCRIPTION
1	AMPS-24	Addressable Power Supply; 120VAC (NFS-3030/NFS2-3030)
1	SBB-B4	Backbox; 2 Chassis; Black
1	BP2-4	Battery Dress Panel for Cab-4 Series
2	BMP-1	Blank Module Dress Plate
1	DR-B4	C Size Door with Window; Black
1	CPU2-3030D	Central Processing Unit for NFS2-3030; With Display
1	CA-1	Chassis; DVC; One Row
1	CMIC-1	Chassis; Paging Microphone; Well
1	DVC-EM	Digital Voice Command; Extended Memory
1	DVC-KD	Digital Voice Command; Keypad Display
1	DPA-1	Dress Plate; DVC; One Row
1	DP-DISP	Dress Plate; Display; Black
2	LCM-320	Loop Control Module
2	LEM-320	Loop Expander Module
1	CHS-M3	Mounting Chassis; Used for CPU-3030 and NCA2
1	ACM-24AT	ONYX Series ACS Annunciator 24 Alarm and Trouble LEDs
	Battery	Battery size and quantity based on application needs
Optional Components		
	UDACT-2	Universal Digital Communicator Transmitter
	ACM/AEM-24AT	ONYX Series ACS Annunciator & Expander Module 24 Alarm and Trouble LEDs
	ACM/AEM-48A	ONYX Series ACS Annunciator & Expander Module 48 Alarm and Trouble LEDs
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details

Table 4.1.1 NFS2-3030 in SBB-B4 w/ Voice (Four SLC Loops) Ordering Information

4.2. NFS2-3030 Series Configuration w/ Voice (No FFT), SBB-C4 Cabinet

Section 4.2 covers NFS2-3030 configuration fitted into an SBB-C4 cabinet with voice capabilities and no Firefighter's Telephone (FFT). The SBB-C4 is a three-tiered backbox capable of housing the following NFS2-3030 configurations illustrated in Sections 4.2.1 through 4.2.4.

- 4.2.1. NFS2-3030, SBB-C4 Cabinet, w/ Voice, No FFT, Four (4) SLC Loops
- 4.2.2. NFS2-3030, SBB-C4 Cabinet, w/ Voice, No FFT, Six (6) SLC Loops
- 4.2.3. NFS2-3030, SBB-C4 Cabinet, w/ Voice, No FFT, Eight (8) SLC Loops
- 4.2.4. NFS2-3030, SBB-C4 Cabinet, w/ Voice, No FFT, 10 SLC Loops

4.2.1. NFS2-3030 Series, SBB-C4 Cabinet w/ Voice (No FFT) – Four SLC Loops

The SBB-C4 is a three-tiered backbox capable of housing components supporting NOTIFIER's Onyx Series FACP. The configuration illustrated in Figure 4.2.1 shows the NFS2-3030 mounted in the SBB-C4 cabinet is expanded to support up to four (4) SLC loops and voice evacuation capabilities. Table 4.2.1 lists the components that required for this panel configuration.

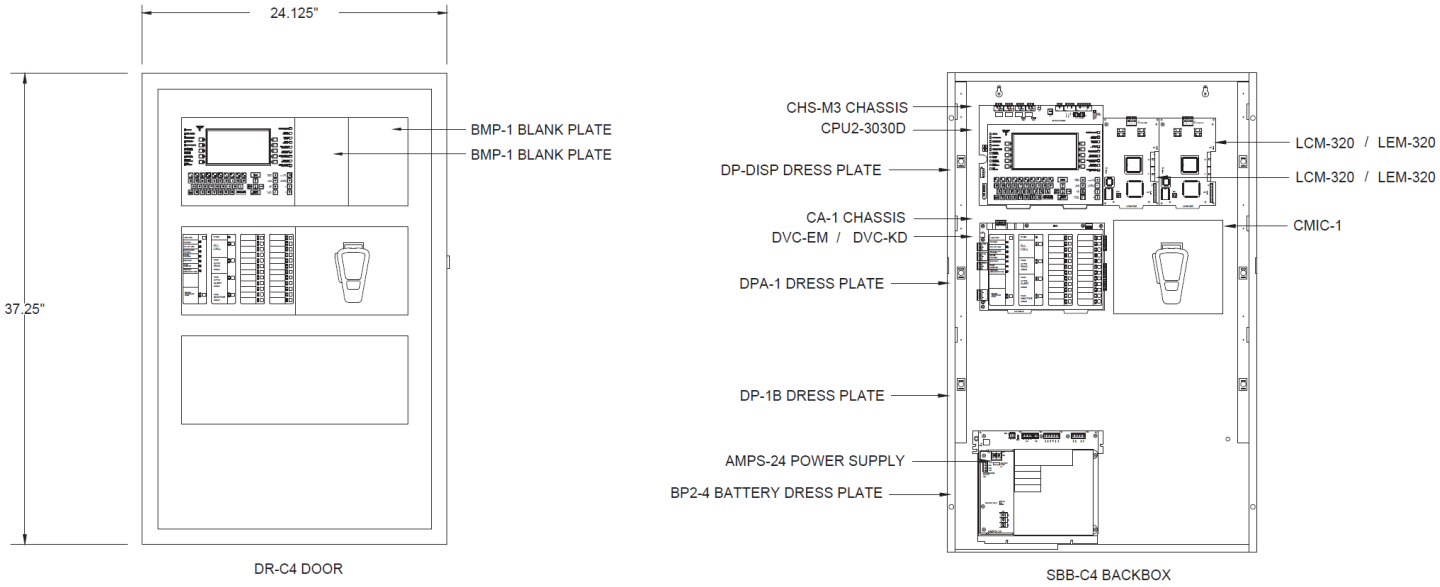

Figure 4.2.1 NFS2-3030 Configuration in SBB-C4 Backbox w/ Voice (Four SLC Loops)

Required Components Note: Amplifier requirements based on application needs – Please refer to "DVC Application Guide" for further details		
QTY	PARTNUMBER	DESCRIPTION
1	AMPS-24	Addressable Power Supply; 120VAC (NFS-3030/NFS2-3030)
1	SBB-C4	Backbox; 2 Chassis; Black
1	BP2-4	Battery Dress Panel for Cab-4 Series
2	BMP-1	Blank Module Dress Plate
1	DR-C4	C Size Door with Window; Black
1	CPU2-3030D	Central Processing Unit for NFS2-3030; With Display
1	CA-1	Chassis; DVC; One Row
1	CHS-4L	Chassis; Low Profile; For Mounting AA-30; LDM or APS2-6R
1	CMIC-1	Chassis; Paging Microphone; Well
1	DVC-EM	Digital Voice Command; Extended Memory
1	DVC-KD	Digital Voice Command; Keypad Display

Table 4.2.1 NFS2-3030 in SBB-C4 w/ Voice (Four SLC Loops) Ordering Information

NFS2-3030 in SBB-C4 w/ Voice (Four SLC Loops) Ordering Information (Continued)		
Required Components (continued)		
1	DP-1B	Dress Panel Blank' Covers Unused Cabinet Row(s); Black
1	DPA-1	Dress Plate; DVC; One Row
1	DP-DISP	Dress Plate; Display; Black
2	LCM-320	Loop Control Module
2	LEM-320	Loop Expander Module
1	CHS-M3	Mounting Chassis; Used for CPU-3030 and NCA2
1	ACM-24AT	ONYX Series ACS Annunciator 24 Alarm and Trouble LEDs
	Battery	Battery size and quantity based on application needs
Optional Components		
	UDACT-2	Universal Digital Communicator Transmitter
	ACM/AEM-24AT	ONYX Series ACS Annunciator & Expander Module 24 Alarm and Trouble LEDs
	ACM/AEM-48A	ONYX Series ACS Annunciator & Expander Module 48 Alarm and Trouble LEDs
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details

Table 4.2.1 (Continued)

4.2.2. NFS2-3030 Series, SBB-C4 Cabinet w/ Voice (No FFT) – Six SLC Loops

The SBB-C4 is a three-tiered backbox capable of housing components supporting NOTIFIER's Onyx Series FACP. The configuration illustrated in Figure 4.2.2 shows the NFS2-3030 mounted in the SBB-C4 cabinet is expanded to support up to six (6) SLC loops and voice evacuation capabilities. Table 4.2.2 lists the components that required for this panel configuration.

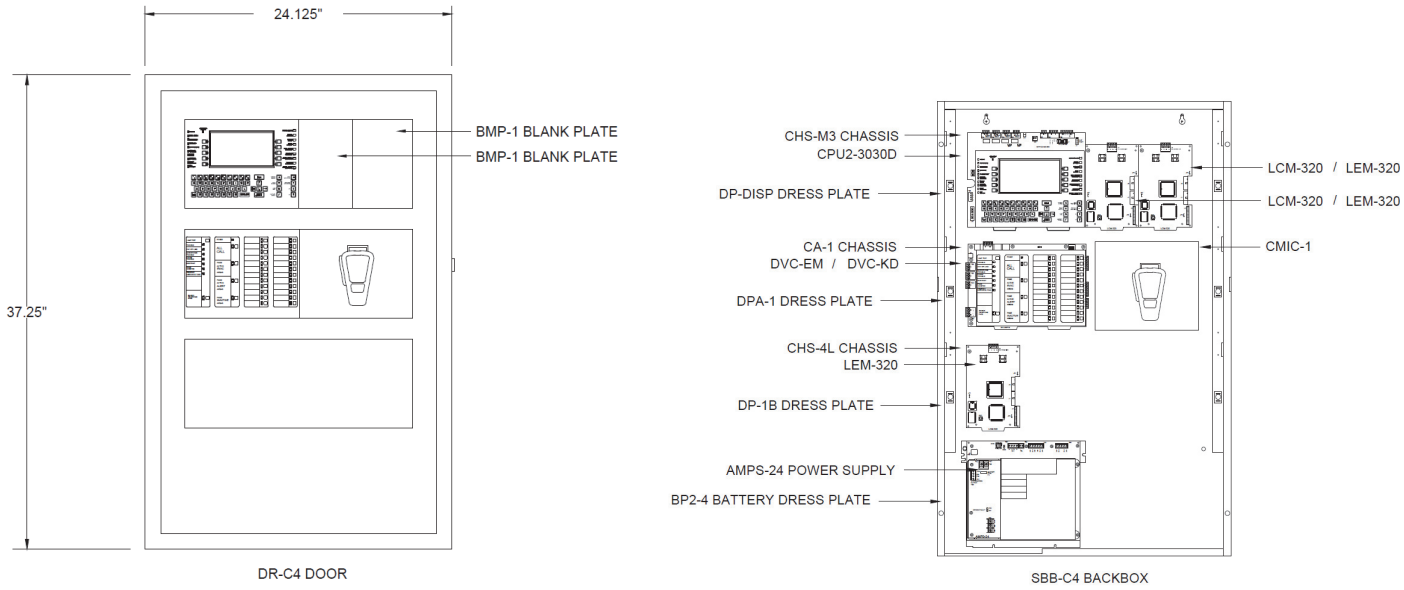

Figure 4.2.2 NFS2-3030 Configuration in SBB-C4 Backbox w/ Voice (Six SLC Loops)

Required Components Note: Amplifier requirements based on application needs – Please refer to "DVC Application Guide" for further details		
QTY	PARTNUMBER	DESCRIPTION
1	AMPS-24	Addressable Power Supply; 120VAC (NFS-3030/NFS2-3030)
1	SBB-C4	Backbox; 2 Chassis; Black
1	BP2-4	Battery Dress Panel for Cab-4 Series
2	BMP-1	Blank Module Dress Plate
1	DR-C4	C Size Door with Window; Black
1	CPU2-3030D	Central Processing Unit for NFS2-3030; With Display
1	CA-1	Chassis; DVC; One Row
1	CHS-4L	Chassis; Low Profile; For Mounting AA-30; LDM or APS2-6R
1	CMIC-1	Chassis; Paging Microphone; Well
1	DVC-EM	Digital Voice Command; Extended Memory
1	DVC-KD	Digital Voice Command; Keypad Display

Table 4.2.2 NFS2-3030 in SBB-C4 w/ Voice (Six SLC Loops) Ordering Information

NFS2-3030 in SBB-C4 w/ Voice (Six SLC Loops) Ordering Information (Continued)		
Required Components (continued)		
1	DP-1B	Dress Panel Blank' Covers Unused Cabinet Row(s); Black
1	DPA-1	Dress Plate; DVC; One Row
1	DP-DISP	Dress Plate; Display; Black
2	LCM-320	Loop Control Module
3	LEM-320	Loop Expander Module
1	CHS-M3	Mounting Chassis; Used for CPU-3030 and NCA2
1	ACM-24AT	ONYX Series ACS Annunciator 24 Alarm and Trouble LEDs
	Battery	Battery size and quantity based on application needs
Optional Components		
	UDACT-2	Universal Digital Communicator Transmitter
	ACM/AEM-24AT	ONYX Series ACS Annunciator & Expander Module 24 Alarm and Trouble LEDs
	ACM/AEM-48A	ONYX Series ACS Annunciator & Expander Module 48 Alarm and Trouble LEDs
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details

Table 4.2.2 (Continued)

4.2.3. NFS2-3030 Series, SBB-C4 Cabinet w/ Voice (No FFT) – Eight SLC Loops

The SBB-C4 is a three-tiered backbox capable of housing components supporting NOTIFIER's Onyx Series FACP. The configuration illustrated in Figure 4.2.3 shows the NFS2-3030 mounted in the SBB-C4 cabinet is expanded to support up to eight (8) SLC loops and voice evacuation capabilities. Table 4.2.3 lists the components that required for this panel configuration.

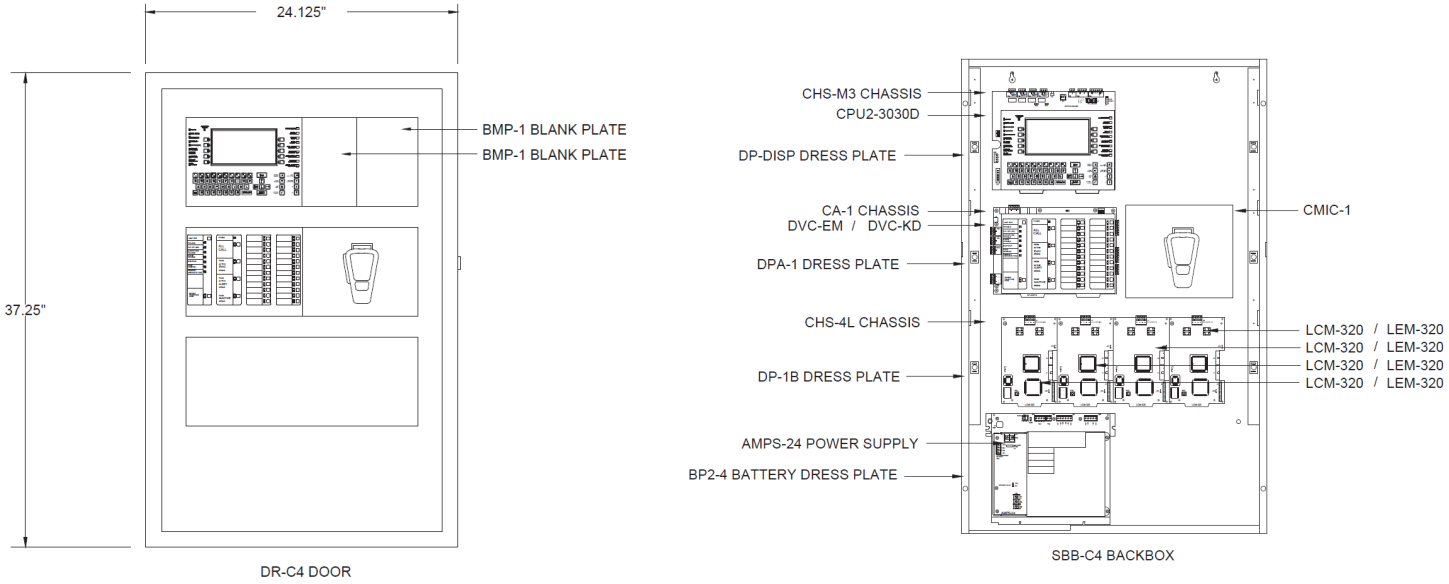

Figure 4.2.3 NFS2-3030 Configuration in SBB-C4 Backbox w/ Voice (Eight SLC Loops)

Required Components Note: Amplifier requirements based on application needs		
QTY	PARTNUMBER	DESCRIPTION
1	AMPS-24	Addressable Power Supply; 120VAC (NFS-3030/NFS2-3030)
1	SBB-C4	Backbox; 2 Chassis; Black
1	BP2-4	Battery Dress Panel for Cab-4 Series
2	BMP-1	Blank Module Dress Plate
1	DR-C4	C Size Door with Window; Black
1	CPU2-3030D	Central Processing Unit for NFS2-3030; With Display
1	CA-1	Chassis; DVC; One Row
1	CHS-4L	Chassis; Low Profile; For Mounting AA-30; LDM or APS2-6R
1	CMIC-1	Chassis; Paging Microphone; Well
1	DVC-EM	Digital Voice Command; Extended Memory
1	DVC-KD	Digital Voice Command; Keypad Display

Table 4.2.3 NFS2-3030 in SBB-C4 w/ Voice (Eight SLC Loops) Ordering Information

NFS2-3030 in SBB-C4 w/ Voice (Eight SLC Loops) Ordering Information (Continued)		
Required Components (continued)		
1	DP-1B	Dress Panel Blank; Covers Unused Cabinet Row(s); Black
1	DPA-1	Dress Plate; DVC; One Row
1	DP-DISP	Dress Plate; Display; Black
4	LCM-320	Loop Control Module
4	LEM-320	Loop Expander Module
1	CHS-M3	Mounting Chassis; Used for CPU-3030 and NCA2
1	ACM-24AT	ONYX Series ACS Annunciator 24 Alarm and Trouble LEDs
	Battery	Battery size and quantity based on application needs
Optional Components		
	UDACT-2	Universal Digital Communicator Transmitter
	ACM/AEM-24AT	ONYX Series ACS Annunciator & Expander Module 24 Alarm and Trouble LEDs
	ACM/AEM-48A	ONYX Series ACS Annunciator & Expander Module 48 Alarm and Trouble LEDs
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details

Table 4.2.3 Continued)

4.2.4. NFS2-3030 Series, SBB-C4 Cabinet w/ Voice (No FFT) – 10 SLC Loops

The SBB-C4 is a three-tiered backbox capable of housing components supporting NOTIFIER's Onyx Series FACP. The configuration illustrated in Figure 4.2.4 shows the NFS2-3030 mounted in the SBB-C4 cabinet is expanded to support up to 10 SLC loops and voice evacuation capabilities. Table 4.2.4 lists the components that required for this panel configuration.

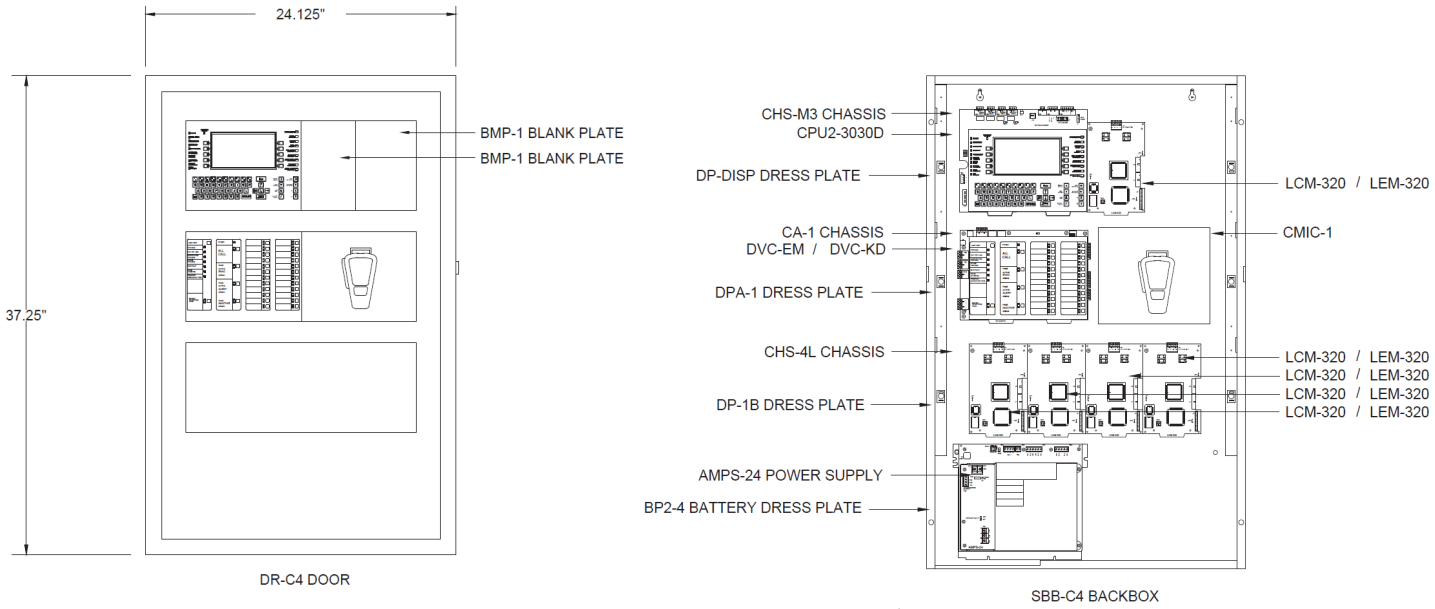

Figure 4.2.4 NFS2-3030 Configuration in SBB-C4 Backbox w/ Voice (10 SLC Loops)

Required Components Note: Amplifier requirements based on application needs – Please refer to "DVC Application Guide" for further details		
QTY	PARTNUMBER	DESCRIPTION
1	AMPS-24	Addressable Power Supply; 120VAC (NFS-3030/NFS2-3030)
1	SBB-C4	Backbox; 2 Chassis; Black
1	BP2-4	Battery Dress Panel for Cab-4 Series
2	BMP-1	Blank Module Dress Plate
1	DR-C4	C Size Door with Window; Black
1	CPU2-3030D	Central Processing Unit for NFS2-3030; With Display
1	CA-1	Chassis; DVC; One Row
1	CHS-4L	Chassis; Low Profile; For Mounting AA-30; LDM or APS2-6R
1	CMIC-1	Chassis; Paging Microphone; Well
1	DVC-EM	Digital Voice Command; Extended Memory
1	DVC-KD	Digital Voice Command; Keypad Display

Table 4.2.4 NFS2-3030 in SBB-C4 w/ Voice (10 SLC Loops) Ordering Information

NFS2-3030 in SBB-C4 w/ Voice (10 SLC Loops) Ordering Information (Continued)		
Required Components (continued)		
1	DP-1B	Dress Panel Blank; Covers Unused Cabinet Row(s); Black
1	DPA-1	Dress Plate; DVC; One Row
1	DP-DISP	Dress Plate; Display; Black
5	LCM-320	Loop Control Module
5	LEM-320	Loop Expander Module
1	CHS-M3	Mounting Chassis; Used for CPU-3030 and NCA2
1	ACM-24AT	ONYX Series ACS Annunciator 24 Alarm and Trouble LEDs
	Battery	Battery size and quantity based on application needs
Optional Components		
	UDACT-2	Universal Digital Communicator Transmitter
	ACM/AEM-24AT	ONYX Series ACS Annunciator & Expander Module 24 Alarm and Trouble LEDs
	ACM/AEM-48A	ONYX Series ACS Annunciator & Expander Module 48 Alarm and Trouble LEDs
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details

Table 4.2.4 (Continued)

4.3. NFS2-3030 Series Configuration w/ Voice (No FFT), SBB-D4 Cabinet

Section 2.3 covers NFS2-3030 configuration fitted into an SBB-D4 cabinet with voice capabilities and no Firefighter's Telephone (FFT). The SBB-D4 is a three-tiered backbox capable of housing the following NFS2-3030 configurations illustrated in Sections 4.3.1 through 4.3.4.

- 4.3.1. NFS2-3030, SBB-D4 Cabinet, w/ Voice, No FFT, Four (4) SLC Loops
- 4.3.2. NFS2-3030, SBB-D4 Cabinet, w/ Voice, No FFT, Six (6) SLC Loops
- 4.3.3. NFS2-3030, SBB-D4 Cabinet, w/ Voice, No FFT, Eight (8) SLC Loops
- 4.3.4. NFS2-3030, SBB-D4 Cabinet, w/ Voice, No FFT, 10 SLC Loops

4.3.1. NFS2-3030 Series, SBB-D4 Cabinet w/ Voice (No FFT) – Four SLC Loops

The SBB-D4 is a four-tiered backbox capable of housing components supporting NOTIFIER's Onyx Series FACP. The configuration illustrated in Figure 4.3.1 shows the NFS2-3030 mounted in the SBB-D4 cabinet is expanded to support up to four (4) SLC loops and voice evacuation capabilities. Table 4.3.1 lists the components that required for this panel configuration.

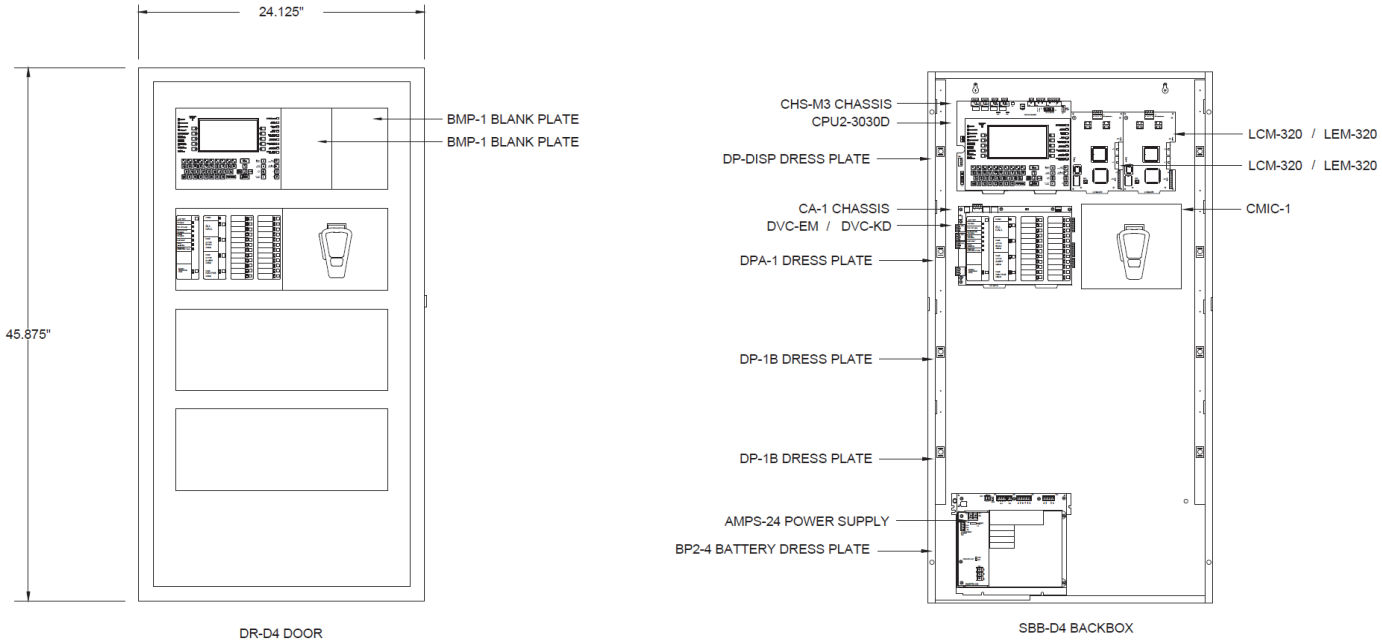

Figure 4.3.1 NFS2-3030 Configuration in SBB-D4 Backbox w/ Voice (Four SLC Loops)

Required Components Note: Amplifier requirements based on application needs – Please refer to "DVC Application Guide" for further details		
QTY	PARTNUMBER	DESCRIPTION
1	AMPS-24	Addressable Power Supply; 120VAC (NFS-3030/NFS2-3030)
1	SBB-D4	Backbox; 2 Chassis; Black
1	BP2-4	Battery Dress Panel for Cab-4 Series
2	BMP-1	Blank Module Dress Plate
1	DR-D4	C Size Door with Window; Black
1	CPU2-3030D	Central Processing Unit for NFS2-3030; With Display
1	CA-1	Chassis; DVC; One Row
1	CHS-4L	Chassis; Low Profile; For Mounting AA-30; LDM or APS2-6R
1	CMIC-1	Chassis; Paging Microphone; Well
1	DVC-EM	Digital Voice Command; Extended Memory
1	DVC-KD	Digital Voice Command; Keypad Display

Table 4.3.1 NFS2-3030 in SBB-D4 w/ Voice (Four SLC Loops) Ordering Information

NFS2-3030 in SBB-D4 w/ Voice (Four SLC Loops) Ordering Information (Continued)		
Required Components (continued)		
2	DP-1B	Dress Panel Blank' Covers Unused Cabinet Row(s); Black
1	DPA-1	Dress Plate; DVC; One Row
1	DP-DISP	Dress Plate; Display; Black
2	LCM-320	Loop Control Module
2	LEM-320	Loop Expander Module
1	CHS-M3	Mounting Chassis; Used for CPU-3030 and NCA2
1	ACM-24AT	ONYX Series ACS Annunciator 24 Alarm and Trouble LEDs
	Battery	Battery size and quantity based on application needs
Optional Components		
	UDACT-2	Universal Digital Communicator Transmitter
	ACM/AEM-24AT	ONYX Series ACS Annunciator & Expander Module 24 Alarm and Trouble LEDs
	ACM/AEM-48A	ONYX Series ACS Annunciator & Expander Module 48 Alarm and Trouble LEDs
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details

Table 4.3.1. (Continued)

4.3.2. NFS2-3030 Series, SBB-D4 Cabinet w/ Voice (No FFT) – Six SLC Loops

The SBB-D4 is a four-tiered backbox capable of housing components supporting NOTIFIER's Onyx Series FACP. The configuration illustrated in Figure 4.3.2 shows the NFS2-3030 mounted in the SBB-D4 cabinet is expanded to support up to six (6) SLC loops and voice evacuation capabilities. Table 4.3.2 lists the components that required for this panel configuration.

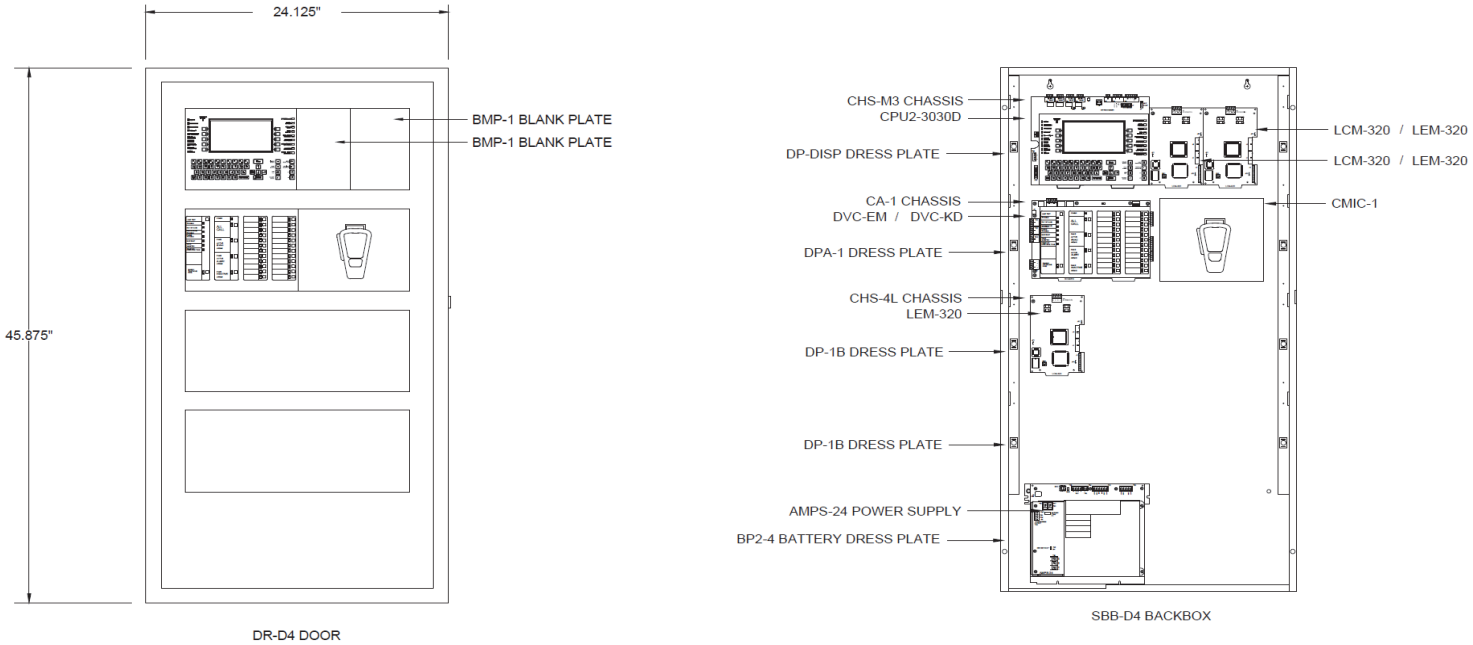

Figure 4.3.2 NFS2-3030 Configuration in SBB-D4 Backbox w/ Voice (Six SLC Loops)

Required Components Note: Amplifier requirements based on application needs – Please refer to "DVC Application Guide" for further details		
QTY	PARTNUMBER	DESCRIPTION
1	AMPS-24	Addressable Power Supply; 120VAC (NFS-3030/NFS2-3030)
1	SBB-D4	Backbox; 2 Chassis; Black
1	BP2-4	Battery Dress Panel for Cab-4 Series
2	BMP-1	Blank Module Dress Plate
1	DR-D4	C Size Door with Window; Black
1	CPU2-3030D	Central Processing Unit for NFS2-3030; With Display
1	CA-1	Chassis; DVC; One Row
1	CHS-4L	Chassis; Low Profile; For Mounting AA-30; LDM or APS2-6R
1	CMIC-1	Chassis; Paging Microphone; Well
1	DVC-EM	Digital Voice Command; Extended Memory
1	DVC-KD	Digital Voice Command; Keypad Display

Table 4.3.2 NFS2-3030 in SBB-D4 w/ Voice, No FFT (Six SLC Loops) Ordering Information

NFS2-3030 in SBB-D4 w/ Voice, No FFT (Six SLC Loops) Ordering Information (Continued)		
Required Components (continued)		
2	DP-1B	Dress Panel Blank' Covers Unused Cabinet Row(s); Black
1	DPA-1	Dress Plate; DVC; One Row
1	DP-DISP	Dress Plate; Display; Black
2	LCM-320	Loop Control Module
3	LEM-320	Loop Expander Module
1	CHS-M3	Mounting Chassis; Used for CPU-3030 and NCA2
1	ACM-24AT	ONYX Series ACS Annunciator 24 Alarm and Trouble LEDs
	Battery	Battery size and quantity based on application needs
Optional Components		
	UDACT-2	Universal Digital Communicator Transmitter
	ACM/AEM-24AT	ONYX Series ACS Annunciator & Expander Module 24 Alarm and Trouble LEDs
	ACM/AEM-48A	ONYX Series ACS Annunciator & Expander Module 48 Alarm and Trouble LEDs
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details

Table 4.3.2 (Continued)

4.3.3. NFS2-3030 Series, SBB-D4 Cabinet w/ Voice (No FFT) – Eight SLC Loops

The SBB-D4 is a four-tiered backbox capable of housing components supporting NOTIFIER's Onyx Series FACP. The configuration illustrated in Figure 4.3.3 shows the NFS2-3030 mounted in the SBB-D4 cabinet is expanded to support up to eight (8) SLC loops and voice evacuation capabilities. Table 4.3.3 lists the components that required for this panel configuration.

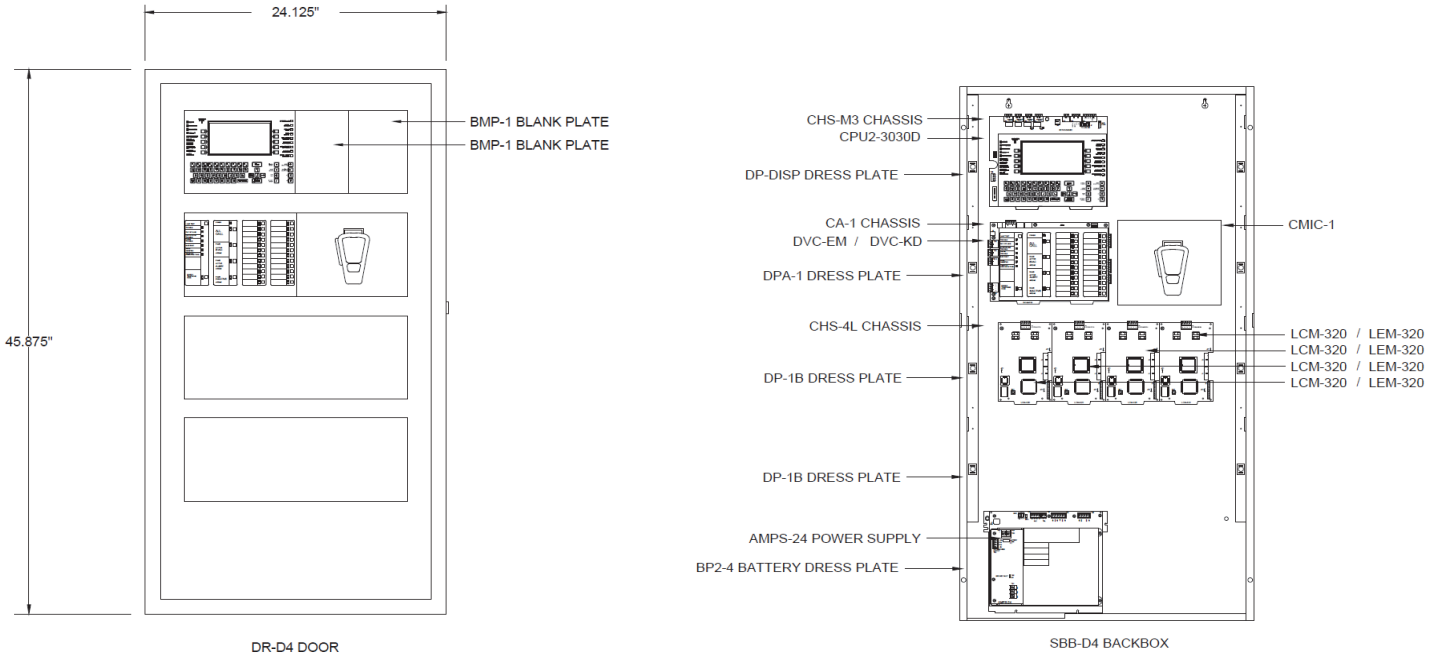

Figure 4.3.3 NFS2-3030 Configuration in SBB-D4 Backbox w/ Voice (Eight SLC Loops)

Required Components **Note:** Amplifier requirements based on application needs – Please refer to "DVC Application Guide" for further details		
QTY	**PARTNUMBER**	**DESCRIPTION**
1	AMPS-24	Addressable Power Supply; 120VAC (NFS-3030/NFS2-3030)
1	SBB-D4	Backbox; 2 Chassis; Black
1	BP2-4	Battery Dress Panel for Cab-4 Series
2	BMP-1	Blank Module Dress Plate
1	DR-D4	C Size Door with Window; Black
1	CPU2-3030D	Central Processing Unit for NFS2-3030; With Display
1	CA-1	Chassis; DVC; One Row
1	CHS-4L	Chassis; Low Profile; For Mounting AA-30; LDM or APS2-6R
1	CMIC-1	Chassis; Paging Microphone; Well
1	DVC-EM	Digital Voice Command; Extended Memory
1	DVC-KD	Digital Voice Command; Keypad Display

Table 4.3.3 NFS2-3030 in SBB-D4 w/ Voice, No FFT (Eight SLC Loops) Ordering Information

NFS2-3030 in SBB-D4 w/ Voice, No FFT (Eight SLC Loops) Ordering Information (Continued)		
Required Components (continued)		
2	DP-1B	Dress Panel Blank' Covers Unused Cabinet Row(s); Black
1	DPA-1	Dress Plate; DVC; One Row
1	DP-DISP	Dress Plate; Display; Black
4	LCM-320	Loop Control Module
4	LEM-320	Loop Expander Module
1	CHS-M3	Mounting Chassis; Used for CPU-3030 and NCA2
1	ACM-24AT	ONYX Series ACS Annunciator 24 Alarm and Trouble LEDs
	Battery	Battery size and quantity based on application needs
Optional Components		
	UDACT-2	Universal Digital Communicator Transmitter
	ACM/AEM-24AT	ONYX Series ACS Annunciator & Expander Module 24 Alarm and Trouble LEDs
	ACM/AEM-48A	ONYX Series ACS Annunciator & Expander Module 48 Alarm and Trouble LEDs
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details

Table 4.3.3 (Continued)

4.3.4. NFS2-3030 Series, SBB-D4 Cabinet w/ Voice (No FFT) – 10 SLC Loops

The SBB-D4 is a four-tiered backbox capable of housing components supporting NOTIFIER's Onyx Series FACP. The configuration illustrated in Figure 4.3.4 shows the NFS2-3030 mounted in the SBB-D4 cabinet is expanded to support up to 10 SLC loops and voice evacuation capabilities. Table 4.3.4 lists the components that required for this panel configuration.

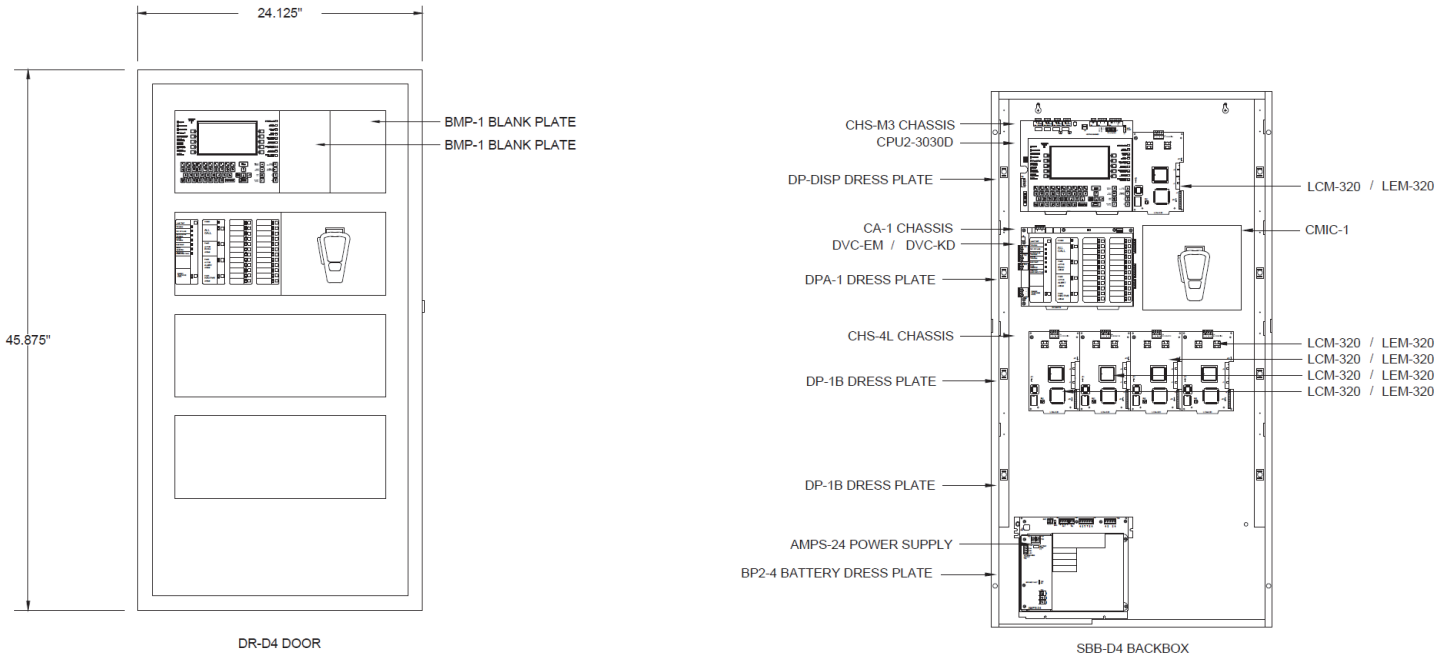

Figure 4.3.4 NFS2-3030 Configuration in SBB-D4 Backbox w/ Voice (10 SLC Loops)

Required Components Note: Amplifier requirements based on application needs – Please refer to "DVC Application Guide" for further details		
QTY	PARTNUMBER	DESCRIPTION
1	AMPS-24	Addressable Power Supply; 120VAC (NFS-3030/NFS2-3030)
1	SBB-D4	Backbox; 2 Chassis; Black
1	BP2-4	Battery Dress Panel for Cab-4 Series
2	BMP-1	Blank Module Dress Plate
1	DR-D4	C Size Door with Window; Black
1	CPU2-3030D	Central Processing Unit for NFS2-3030; With Display
1	CA-1	Chassis; DVC; One Row
1	CHS-4L	Chassis; Low Profile; For Mounting AA-30; LDM or APS2-6R
1	CMIC-1	Chassis; Paging Microphone; Well
1	DVC-EM	Digital Voice Command; Extended Memory
1	DVC-KD	Digital Voice Command; Keypad Display

Table 4.3.4 NFS2-3030 in SBB-D4 w/ Voice, No FFT (10 SLC Loops) Ordering Information

NFS2-3030 in SBB-D4 w/ Voice, No FFT (10 SLC Loops) Ordering Information (Continued)		
Required Components (continued)		
2	DP-1B	Dress Panel Blank' Covers Unused Cabinet Row(s); Black
1	DPA-1	Dress Plate; DVC; One Row
1	DP-DISP	Dress Plate; Display; Black
5	LCM-320	Loop Control Module
5	LEM-320	Loop Expander Module
1	CHS-M3	Mounting Chassis; Used for CPU-3030 and NCA2
1	ACM-24AT	ONYX Series ACS Annunciator 24 Alarm and Trouble LEDs
	Battery	Battery size and quantity based on application needs
Optional Components		
	UDACT-2	Universal Digital Communicator Transmitter
	ACM/AEM-24AT	ONYX Series ACS Annunciator & Expander Module 24 Alarm and Trouble LEDs
	ACM/AEM-48A	ONYX Series ACS Annunciator & Expander Module 48 Alarm and Trouble LEDs
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details

Table 4.3.4 (Continued)

5.1. NFS2-3030 Series, SBB-C4 Cabinet w/ Voice & FFT – Eight SLC Loops

The SBB-C4 is a three-tiered backbox capable of housing components supporting NOTIFIER's Onyx Series FACP. The configuration illustrated in Figure 5.1 shows the NFS2-3030 mounted in the SBB-C4 cabinet is expanded to support up to eight (8) SLC loops, voice evacuation capabilities, and an FFT handset. Table 5.1 lists the components that required for this panel configuration.

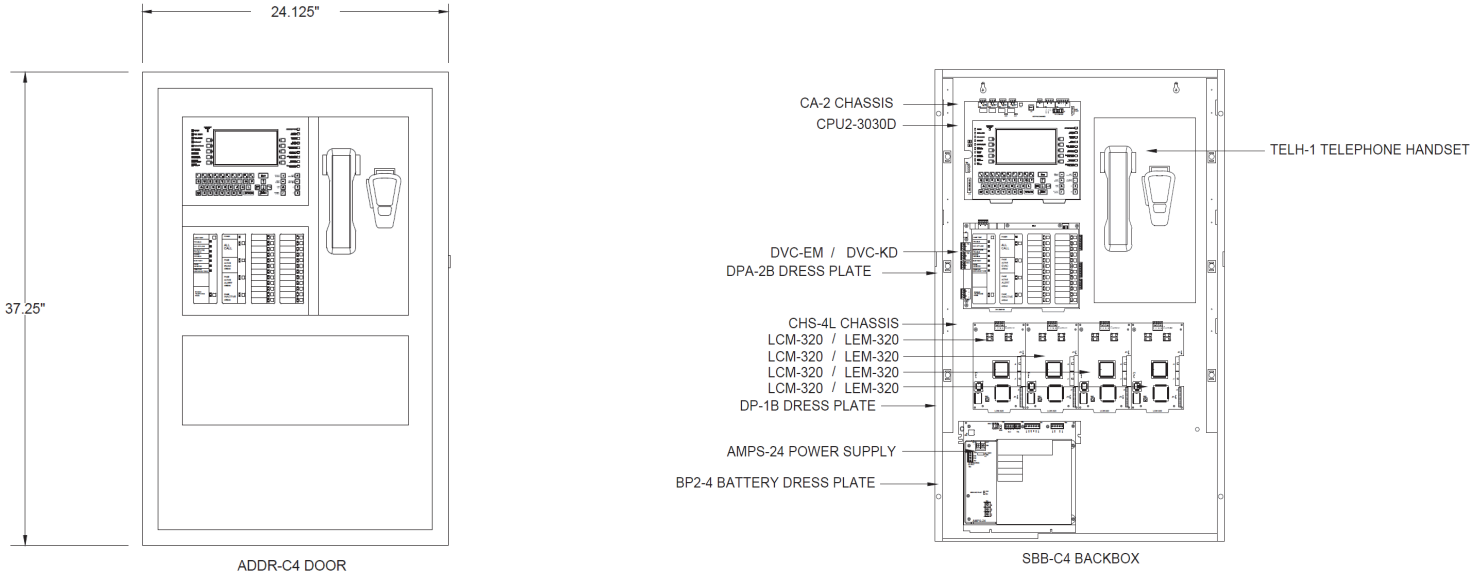

Figure 5.1 NFS2-3030 Configuration in SBB-C4 Backbox w/ Voice & FFT (Eight SLC Loops)

Required Components Note: Amplifier requirements based on application needs – Please refer to "DVC Application Guide" for further details		
QTY	PARTNUMBER	DESCRIPTION
1	AMPS-24	Addressable Power Supply; 120VAC (NFS-3030/NFS2-3030)
1	SBB-C4	Backbox; 2 Chassis; Black
1	BP2-4	Battery Dress Panel for Cab-4 Series
1	ADDR-C4	Audio Command Door for CAB-C4; Black
1	CPU2-3030D	Central Processing Unit for NFS2-3030; With Display
1	CA-2	Chassis; DVC; Towo Rows; Includes Mic-1; Use ADDR-XX Doors
1	CHS-4L	Chassis; Low Profile; For Mounting AA-30; LDM or APS2-6R

Table 5.1 NFS2-3030 in SBB-C4 w/ Voice & FFT (Eight SLC Loops) Ordering Information

NFS2-3030 in SBB-C4 w/ Voice & FFT (Eight SLC Loops) Ordering Information (Continued)		
Required Components (continued)		
1	DVC-EM	Digital Voice Command; Extended Memory
1	DVC-KD	Digital Voice Command; Keypad Display
1	DP-1B	Dress Panel Blank' Covers Unused Cabinet Row(s); Black
1	DPA-2B	Dress Plate; DVC; 2 Rows
1	TELH-1	Firefighter's Telephone Handset
4	LCM-320	Loop Control Module
4	LEM-320	Loop Expander Module
	Battery	Battery size and quantity based on application needs
Optional Components		
	UDACT-2	Universal Digital Communicator Transmitter
	ACM/AEM-24AT	ONYX Series ACS Annunciator & Expander Module 24 Alarm and Trouble LEDs
	ACM/AEM-48A	ONYX Series ACS Annunciator & Expander Module 48 Alarm and Trouble LEDs
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details

Table 5.1 (Continued)

5.2. NFS2-3030 Series, SBB-D4 Cabinet w/ Voice & FFT – Eight SLC Loops

The SBB-D4 is a four-tiered backbox capable of housing components supporting NOTIFIER's Onyx Series FACP. The configuration illustrated in Figure 5.2 shows the NFS2-3030 mounted in the SBB-D4 cabinet is expanded to support up to eight (8) SLC loops, voice evacuation capabilities, and an FFT handset. Table 5.2 lists the components that required for this panel configuration.

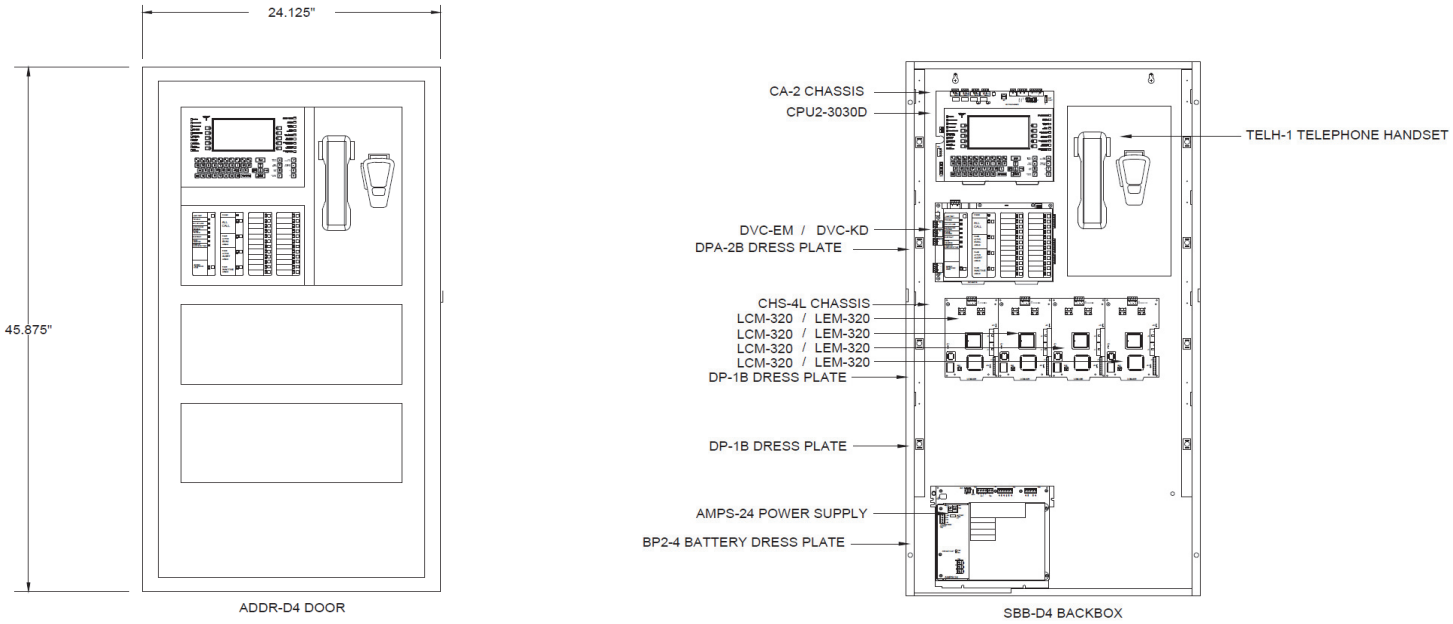

Figure 5.2 NFS2-3030 Configuration in SBB-D4 Backbox w/ Voice & FFT (Eight SLC Loops)

Required Components Note: Amplifier requirements based on application needs – Please refer to "DVC Application Guide" for further details		
QTY	PARTNUMBER	DESCRIPTION
1	AMPS-24	Addressable Power Supply; 120VAC (NFS-3030/NFS2-3030)
1	SBB-D4	Backbox; 4 Chassis; Black
1	BP2-4	Battery Dress Panel for Cab-4 Series
1	ADDR-D4	Audio Command Door for CAB-D4; Black
1	CPU2-3030D	Central Processing Unit for NFS2-3030; With Display
1	CA-2	Chassis; DVC; Towo Rows; Includes Mic-1; Use ADDR-XX Doors
1	CHS-4L	Chassis; Low Profile; For Mounting AA-30; LDM or APS2-6R

Table 5.2 NFS2-3030 in SBB-D4 w/ Voice & FFT (Eight SLC Loops) Ordering Information

NFS2-3030 in SBB-D4 w/ Voice & FFT (Eight SLC Loops) Ordering Information (Continued)		
Required Components (continued)		
1	DVC-EM	Digital Voice Command; Extended Memory
1	DVC-KD	Digital Voice Command; Keypad Display
2	DP-1B	Dress Panel Blank' Covers Unused Cabinet Row(s); Black
1	DPA-2B	Dress Plate; DVC; 2 Rows
1	TELH-1	Firefighter's Telephone Handset
4	LCM-320	Loop Control Module
4	LEM-320	Loop Expander Module
	Battery	Battery size and quantity based on application needs
Optional Components		
	UDACT-2	Universal Digital Communicator Transmitter
	ACM/AEM-24AT	ONYX Series ACS Annunciator & Expander Module 24 Alarm and Trouble LEDs
	ACM/AEM-48A	ONYX Series ACS Annunciator & Expander Module 48 Alarm and Trouble LEDs
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details

Table 5.2 (Continued)

5.3. NFS2-3030 Series, SBB-D4 Cabinet w/ Voice & FFT – 10 SLC Loops

The SBB-D4 is a four-tiered backbox capable of housing components supporting NOTIFIER's Onyx Series FACP. The configuration illustrated in Figure 5.3 shows the NFS2-3030 mounted in the SBB-D4 cabinet is expanded to support up to 10SLC loops, voice evacuation capabilities, and an FFT handset. Table 5.3 lists the components that required for this panel configuration.

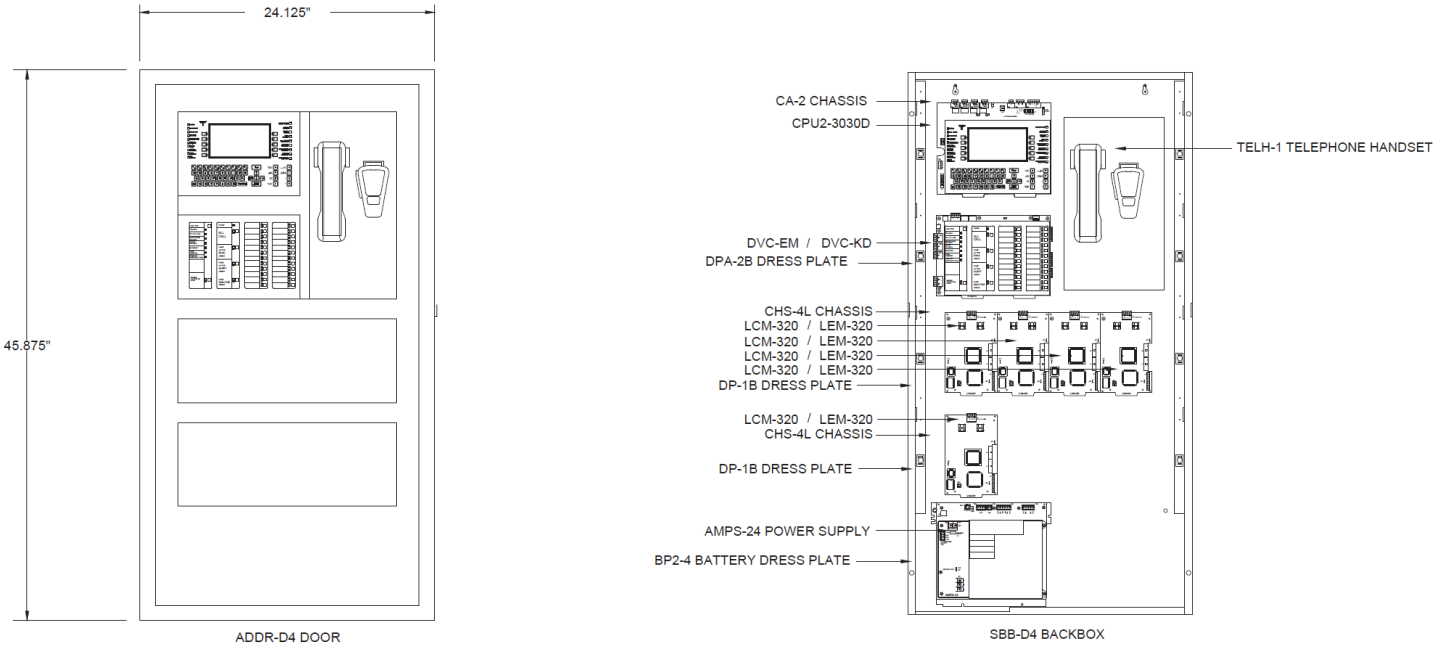

Figure 5.3 NFS2-3030 Configuration in SBB-D4 Backbox w/ Voice & FFT (10 SLC Loops)

Required Components Note: Amplifier requirements based on application needs – Please refer to "DVC Application Guide" for further details		
QTY	PARTNUMBER	DESCRIPTION
1	AMPS-24	Addressable Power Supply; 120VAC (NFS-3030/NFS2-3030)
1	SBB-D4	Backbox; 4 Chassis; Black
1	BP2-4	Battery Dress Panel for Cab-4 Series
1	ADDR-D4	Audio Command Door for CAB-D4; Black
1	CPU2-3030D	Central Processing Unit for NFS2-3030; With Display
1	CA-2	Chassis; DVC; Towo Rows; Includes Mic-1; Use ADDR-XX Doors
2	CHS-4L	Chassis; Low Profile; For Mounting AA-30; LDM or APS2-6R

Table 5.3 NFS2-3030 in SBB-C4 w/ Voice & FFT (10 SLC Loops) Ordering Information

NFS2-3030 in SBB-C4 w/ Voice & FFT (10 SLC Loops) Ordering Information (Continued)		
Required Components (continued)		
1	DVC-EM	Digital Voice Command; Extended Memory
1	DVC-KD	Digital Voice Command; Keypad Display
2	DP-1B	Dress Panel Blank' Covers Unused Cabinet Row(s); Black
1	DPA-2B	Dress Plate; DVC; 2 Rows
1	TELH-1	Firefighter's Telephone Handset
5	LCM-320	Loop Control Module
5	LEM-320	Loop Expander Module
	Battery	Battery size and quantity based on application needs
Optional Components		
	UDACT-2	Universal Digital Communicator Transmitter
	ACM/AEM-24AT	ONYX Series ACS Annunciator & Expander Module 24 Alarm and Trouble LEDs
	ACM/AEM-48A	ONYX Series ACS Annunciator & Expander Module 48 Alarm and Trouble LEDs
	Network Card – High Speed	Please refer to the datasheet (*DN_60454*) for further details
	Network Card – Standard Speed	Please refer to the datasheet (*DN_6861*) for further details

Table 5.3 (Continued)

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