

**Załącznik nr 2 do ogłoszenia o dialogu technicznym**

**1. Wykaz elementów i podzespołów środowiska Mainframe zBC12**

**1.1. Serwer IBM Mainframe zBC12 (2828-H13, Y02)**

Lp.	Nazwa	Typ	Model	Capacity Model	Numer seryjny
1	IBM System z12 BC	2828	H13	U02	8364DB0

Nr identyfikacyjny produktu / TYP	Model / Cecha	Opis	Liczba
2828	H13	2828-H13 IBM zEnterprise BC12	1
	1	MTU 1 - D	43
	2	MTU 100 -D	1
	19	Manage Firmware Suite	1
	33	Service Docs Optional Print	1
	92	HMC	1
	114	I/O Cage Full Card Airflow	5
	162	HCA2-C Fanout	2
	165	Fanout Airflow	2
	169	PCIe Fanout	2
	170	HCA3-0 LR fanout for 1x IFB	2
	217	ISC-Mother Card	2
	218	ISC-Daughter Card	4
	219	ISC-3 link on F/C 0218	8
	326	IFB-MP Daughter Card	2
	327	STI-A8 Mother Card	1
	400	PCIe interconnect	4
	409	FICON Express8S 10KM LX 2 ports	6
	414	OSA-Express5S GbE SX 2 ports	3
	416	OSA-Express5S 10 GbE SR 1 port	4
	417	OSA-Express5S 1000BASE-T 2 ports	3
	660	Month Indicator	4
	661	Day Indicator	24
	662	Hour Indicator	12
	663	Minute Indicator	8
	865	Crypto Express4S	2
	1021	STP Enablement	1
	1148	Model H13	1
	1609	32 GB Mem DIMM (10/feature)	2
	1903	8 GB Memory Capacity Incr	11
	1904	8 GB Ftr Converted Memory	13
	1993	Preplanned Memory	31
	3008	BPD Pair Air Model	1
3373	OSA-Express3-2P GbE SX 2 ports	1	

	3630	208 GB Memory	1
	3759	Universal Lift Tool/Ladder	1
	3863	CPACF Enablement	1
	4000	I/O Drawer	1
	4009	PCIe I/O Drawer-A	1
	5786	CP-U	2
	5794	IFL	4
	5795	ICF	2
	5798	zIIP	2
	5953	2-Way Processor U02	1
	6096	Flat Panel Display	1
	9117	U02 Capacity Marker	1
	9969	Site Tool Kit	1
	9975	Height Reduce Ship	1
	2819	IPA Site Preparation/Install Support	1
	660	Month Indicator	4
	661	Day Indicator	24
	662	Hour Indicator	12
	663	Minute Indicator	8
	9876	IPA Pads	1

#### 1.2. Serwer IBM Mainframe zBC12 (2828-H13, T02)

Lp.	Nazwa	Typ	Model	Capacity Model	Numer seryjny
1	IBM System z12 BC	2828	H13	R02	83DF34D

Nr identyfikacyjny produktu / TYP	Model / Cecha	Opis	Liczba
2828	H13	2828-H13 IBM zEnterprise BC12	1
	5	GTU 1 - D	48
	6	GTU 100 - D	1
	19	Manage Firmware Suite	1
	33	Service Docs Optional Print	1
	92	HMC	1
	114	I/O Cage Full Card Airflow	6
	162	HCA2-C Fanout	2
	165	Fanout Airflow	2
	169	PCIe Fanout	2
	170	HCA3-0 LR fanout for 1x IFB	2
	217	ISC-Mother Card	2
	218	ISC-Daughter Card	4
	219	ISC-3 link on F/C 0218	8
	326	IFB-MP Daughter Card	2
	327	STI-A8 Mother Card	1

400	PCIe interconnect	4
409	FICON Express8S 10KM LX 2 ports	6
414	OSA-Express5S GbE SX 2 ports	3
416	OSA-Express5S 10 GbE SR 1 port	4
417	OSA-Express5S 1000BASE-T 2 ports	3
660	Month Indicator	5
661	Day Indicator	6
662	Hour Indicator	18
663	Minute Indicator	60
865	Crypto Express4S	2
1021	STP Enablement	1
1148	Model H13	1
1609	32 GB Mem DIMM (10/feature)	2
1903	8 GB Memory Capacity Incr	11
1904	8 GB Ftr Converted Memory	13
1993	Preplanned Memory	31
3008	BPD Pair Air Model	1
3630	208 GB Memory	1
3759	Universal Lift Tool/Ladder	1
3863	CPACF Enablement	1
4000	I/O Drawer	1
4009	PCIe I/O Drawer-A	1
5783	CP-R	2
5794	IFL	3
5795	ICF	2
5798	zIIP	1
5950	2-Way Processor R02	1
6096	Flat Panel Display	1
6805	Additional CBU Test	7
6817	Total CBU Years Ordered	3
6818	CBU Records Ordered	1
6820	Single CBU CP Year	6
6828	Single CBU zIIP Year	3
9113	R02 Capacity Marker	1
9910	CBU authorization	1
9969	Site Tool Kit	1
9975	Height Reduce Ship	1

### 1.3. Biblioteka taśmowa IBM TS3500 Tape Library (8 napędów IBM 3592-E05)

Lp.	Nazwa	Typ	Model	Numer seryjny
1	TS3500 Tape Library	3584	L23	78A2935
2	TS1120 Tape Controller	3592	C06	78C6026
3	IBM TS1120 Tape Drive	3592	E05	7888726

4	IBM TS1120 Tape Drive	3592	E05	7888750
5	IBM TS1120 Tape Drive	3592	E05	7888503
6	IBM TS1120 Tape Drive	3592	E05	7888527
7	IBM TS1120 Tape Drive	3592	E05	7836867
8	IBM TS1120 Tape Drive	3592	E05	7836654
9	IBM TS1120 Tape Drive	3592	E05	7836653
10	IBM TS1120 Tape Drive	3592	E05	7836645
11	IBM TotalStorage Library Controller Frame	3953	F05	7802760
12	IBM TotalStorage Library Manager	3953	L05	7832982

**Konfiguracja szczegółowa:**

<b>Nr identyfikacyjny produktu / TYP</b>	<b>Model / Cecha</b>	<b>Opis</b>	<b>Liczba</b>
3584	L23	TS3500 Tape Library	1
	1461	Additional LC/LC Patch Panel Cable	16
	1515	3592 Fibre Drive Mounting Kit	8
	1643	Intermediate Capacity on Demand	1
	1644	Full Capacity on Demand	1
	1674	3592 Drive Field Install	4
	1682	Path Failover	1
	1690	Advanced Library Management System	1
	2710	Remote Support Facility	1
	2715	Console Attachment	1
	8802	3592 Cleaning Cartridge	8
	9217	Attach to 3953 LM/TS7700	1
	9680	Plant Install E05 in 3584	4
	9700	No Host Cables From Plant	1
9970	Dual 4.3M Power Cord Watertight	1	
3592	C06	TS 1120 Tape Controller	1
	520	Functional Enhancement Field	1
	2715	Console Attachment	1
	3062	Drive-to-Switch Cable/Rack	4
	3443	FICON 10km LW Attachment	4
	3478	Dual Ported Fibre Adapters	1
	3488	4Gb Fibre Channel Switch	2
	3494	FC Switch Rack Mount Kit	1
	3495	Redundant FC Rack Attach	1
	4641	Install Controller in Rack	1
	9000	zSeries ESCON/FICON Attach	1
	9478	3592 Drive Attach to C06	1
	9752	9-Micron LC/LC Fibre 31m Cable	4
3592	E05	IBM TS 1120 Tape Drive	4
	6013	13 Meter LC/LC Fibre Channel Cable	8

	9000	zSeries ESCON/FICON Attach	4
	9216	zSeries Linux Attachment	4
	9592	Encryption Capable - Plant	4
	9600	pSeries AIX Attachment	4
	9677	Plant Install 3592 in 3584	4
3592	E05	IBM TS 1120 Tape Drive	1
	4772	Remove 3592 from Rack	1
	6005	5 Meter LC/LC Fibre Channel Cable	2
	9000	zSeries ESCON/FICON Attach	1
	9200	Open System Device Drivers	1
	9216	zSeries Linux Attachment	1
	9592	Encryption Capable - Plant	1
3592	E05	IBM TS 1120 Tape Drive	1
	4772	Remove 3592 from Rack	1
	6005	5 Meter LC/LC Fibre Channel Cable	2
	9000	zSeries ESCON/FTCON Attach	1
	9200	Open System Device Drivers	1
	9216	zSeries Linux Attachment	1
	9592	Encryption Capable - Plant	1
3592	E05	IBM TS 1120 Tape Drive	1
	4772	Remove 3592 from Rack	1
	6005	5 Meter LC/LC Fibre Channel Cable	2
	9000	zSeries ESCON/FICON Attach	1
	9200	Open System Device Drivers	1
	9216	zSeries Linux Attachment	1
	9592	Encryption Capable - Plant	1
3592	E05	IBM TS1120 Tape Drive	1
	500	Drive Microcode Update	1
	4772	Remove 3592 from Rack	1
	6013	13 Meter LC/LC Fibre Channel Cable	1
	9000	zSeries ESCON/FICON Attach	1
	9200	Open System Device Drivers	1
	9212	Windows Attachment	1
	9216	zSeries Linux Attachment	1
	9592	Encryption Capable - Plant	1
	9600	pSeries AIX Attachment	1
3592	F05	IBM TotalStorage Library Controller Frame	1
	100	Eligible for EU shipment	1
	1903	Dual AC Power	1
	1904	Redundant AC Power	1
	2721	TS3000 System Console	1
	4888	FC Switch Mount Kit	1
	4897	Reinstall 4Gb FC Switch	2
	5505	Base User Interface	1
	5510	Plant Install KVM Switch	1

	5878	Field Merge 3592-C06	1
	9956	IEC 309 Power Cord	1
3953	L05	IBM TotalStorage Library Manager	1
	9048	Library Manager Performance Enhancement - Plant	1
	9065	Plant Install 3953 L05	1

#### 1.4. Biblioteka taśmowa IBM TS3500 Tape Library (4 napędy IBM 3592-E05)

Lp.	Nazwa	Typ	Model	Numer seryjny
1	TS3500 Tape Library	3584	L23	78A3062
2	TS1120 Tape Controller	3592	C06	78C6027
3	IBM TS1120 Tape Drive	3592	E05	7888539
4	IBM TS1120 Tape Drive	3592	E05	7888508
5	IBM TS1120 Tape Drive	3592	E05	7836872
6	IBM TS1120 Tape Drive	3592	E05	7836723
11	IBM TotalStorage Library Controller Frame	3953	F05	7802760
12	IBM TotalStorage Library Manager	3953	L05	7832982

#### Konfiguracja szczegółowa:

Nr identyfikacyjny produktu / TYP	Model / Cecha	Opis	Liczba
3584	L23	TS3500 Tape Library	1
	1461	Additional LC/LC Patch Panel Cable	8
	1515	3592 Fibre Drive Mounting Kit	4
	1643	Intermediate Capacity on Demand	1
	1644	Full Capacity on Demand	1
	1674	3592 Drive Field Install	2
	1682	Path Failover	1
	1690	Advanced Library Management System	1
	2710	Remote Support Facility	1
	2715	Console Attachment	1
	8802	3592 Cleaning Cartridge	4
	9217	Attach to 3953 LM/TS7700	1
	9680	Plant Install E05 in 3584	2
	9700	No Host Cables From Plant	1
9970	Dual 4.3M Power Cord Watertight	1	
3592	C06	TS 1120 Tape Controller	1
	520	Functional Enhancement Field	1
	2715	Console Attachment	1
	3062	Drive-to-Switch Cable/Rack	4
	3443	FICON 10km LW Attachment	4

	3478	Dual Ported Fibre Adapters	1
	3488	4Gb Fibre Channel Switch	2
	3494	FC Switch Rack Mount Kit	1
	3495	Redundant FC Rack Attach	1
	4641	Install Controller in Rack	1
	9000	zSeries ESCON/FICON Attach	1
	9478	3592 Drive Attach to C06	1
	9752	9-Micron LC/LC Fibre 31m Cable	4
3592	E05	IBM TS 1120 Tape Drive	2
	6013	13 Meter LC/LC Fibre Channel Cable	4
	9000	zSeries ESCON/FICON Attach	2
	9216	zSeries Linux Attachment	2
	9592	Encryption Capable - Plant	2
	9677	Plant Install 3592 in 3584	2
3592	E05	IBM TS1120 Tape Drive	1
	4772	Remove 3592 from Rack	1
	6013	13 Meter LC/LC Fibre Channel Cable	2
	9000	zSeries ESCON/FICON Attach	1
	9200	Open System Device Drivers	1
	9216	zSeries Linux Attachment	1
	9592	Encryption Capable - Plant	1
3592	E05	IBM TS 1120 Tape Drive	1
	500	Drive Microcode Update	1
	4772	Remove 3592 from Rack	1
	6005	5 Meter LC/LC Fibre Channel Cable	2
	9000	zSeries ESCON/FICON Attach	1
	9200	Open System Device Drivers	1
	9216	zSeries Linux Attachment	1
	9592	Encryption Capable - Plant	1
3592	F05	IBM TotalStorage Library Controller Frame	1
	100	Eligible for EU shipment	1
	1903	Dual AC Power	1
	1904	Redundant AC Power	1
	2721	TS3000 System Console	1
	4888	FC Switch Mount Kit	1
	4897	Reinstall 4Gb FC Switch	2
	5505	Base User Interface	1
	5510	Plant Install KVM Switch	1
	5878	Field Merge 3592-C06	1
	9956	IEC 309 Power Cord	1
3592	L05	IBM TotalStorage Library Manager	1
	9048	Library Manager Performance Enhancement - Plant	1
	9065	Plant Install 3953 L05	1

