

Siegel-Robert, Inc.  
Planning Schedule 830  
Version 4010

**Segment Summary**

**DOCUMENT HEADER**

ST Transaction Set Header  
BFR Beginning Segment for Planning Schedule

N1 Loop----- +  
N1 Planning Schedule/Material Release Issuer +  
End of N1 Loop ----- +

N1 Loop----- +  
N1 Supplier Location +  
End of N1 Loop ----- +

N1 Loop----- +  
N1 Ship To Location +  
N3 Ship To Address +  
N4 Ship To Geographic Location +  
End of N1 Loop ----- +

**DOCUMENT DETAIL**

LIN Loop ----- +  
+  
LIN Item Identification +  
UIT Unit Detail +  
PID Product/Item Description +  
PER Administrative Communications Contact +  
ATH Cumulative Quantity +  
ATH Finished Product +  
ATH Raw Material +  
+  
FST Loop ----- +  
FST Forecast Schedule + +  
End of FST Loop ----- +  
+  
SHP Loop ----- +  
SHP Shipped/Received Information + +  
End of SHP Loop ----- +  
+  
End of LIN Loop ----- +

**DOCUMENT SUMMARY**

SE Transaction Set Trailer

**DOCUMENT ENVELOPE**

ISA Interchange Control Header  
GS Functional Group Header

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GE	Functional Group Trailer
IEA	Interchange Control Trailer

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**Segment: ST** Transaction Set Header

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes		
			Req	Type	Min/Max
ST01	143	<b>Transaction Set Identifier Code</b> Valid codes are listed below 830 Planning Schedule with Release Capability	M	ID	3/3
ST02	329	<b>Transaction Set Control Number</b> This number will be unique (within a transaction set) and ascending. It may be sequential.	M	AN	4/9

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**Segment: BFR** Beginning Segment for Planning Schedule

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes		
			Req	Type	Min/Max
BFR01	353	<b>Transaction Set Purpose Code</b> Valid codes listed below 05     Replace	M	ID	2/2
BFR03	328	<b>Release Number</b>	M	AN	1/30
BFR04	675	<b>Schedule Type Qualifier</b> Valid codes listed below DL     Delivery Based	M	ID	2/2
BFR05	676	<b>Schedule Quantity Qualifier</b> Valid codes listed below A     Actual   Discrete Quantities	M	ID	1/1
BFR06	373	<b>Forecast Start Date</b> Date expressed as CCYYMMDD	M	DT	8/8
BFR07	373	<b>Forecast End Date</b> Date expressed as CCYYMMDD		O     DT	8/8
BFR08	373	<b>Date Generated</b> Date expressed as CCYYMMDD	M	DT	8/8
BFR11	324	<b>Purchase Order Number</b>	M	AN	1/22

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**Segment: N1 Planning Schedule/Material Release Issuer**

**Loop:** N1 Optional

**Level:** Heading

**Usage:** Optional

**Max Use:** 1

**Data Element Summary**

<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>		
			<b>Req</b>	<b>Type</b>	<b>Min/Max</b>
<b>N101</b>	<b>098</b>	<b>Entity Identifier Code</b> Valid codes listed below MI Planning Schedule/Material Release Issuer	<b>M</b>	<b>ID</b>	<b>2/2</b>
<b>N102</b>	<b>093</b>	<b>Name</b>	<b>C</b>	<b>AN</b>	<b>1/60</b>
<b>N103</b>	<b>066</b>	<b>Identification Code Qualifier</b> Valid codes listed below 01 Duns Number	<b>C</b>	<b>ID</b>	<b>1/2</b>
<b>N104</b>	<b>067</b>	<b>Identification Code</b> Duns Number	<b>C</b>	<b>AN</b>	<b>9/9</b>

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**Segment: N1 Supplier Location**

**Loop:** N1 Mandatory

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes		
			Req	Type	Min/Max
N101	098	<b>Supplier Identifier Code</b> Valid codes listed below SU Supplier/Manufacturer	M	ID	2/2
N102	093	<b>Supplier Name</b>	O	AN	1/60
N103	066	<b>Supplier Identification Code Qualifier</b> Valid codes listed below 92 Assigned by Buyer	M	ID	1/2
N104	067	<b>Supplier Number</b> Supplier Number assigned by Buyer	M	AN	2/10

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**Segment: N1 Ship to Location**

**Loop:** N1 Mandatory

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Data Element Summary**

<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>		
			<b>Req</b>	<b>Type</b>	<b>Min/Max</b>
<b>N101</b>	<b>098</b>	<b>Entity Identifier Code</b> Valid codes are listed below ST Ship To	<b>M</b>	<b>ID</b>	<b>2/2</b>
<b>N102</b>	<b>093</b>	<b>Ship To Name</b>	<b>M</b>	<b>AN</b>	<b>1/60</b>
<b>N103</b>	<b>066</b>	<b>Ship To Code Qualifier</b> Valid Code Listed Below 01 DUNS Number	<b>M</b>	<b>ID</b>	<b>1/2</b>
<b>N104</b>	<b>067</b>	<b>Ship To Code</b> DUNS Number	<b>M</b>	<b>AN</b>	<b>9/9</b>

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**Segment: N3 Ship To Address**

**Loop:** N1 Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes		
			Req	Type	Min/Max
N301	166	Ship To Address 1	M	AN	1/55
N302	166	Ship To Address 2	O	AN	1/55

**Segment: N4 Ship To Geographic Location**

**Loop:** N1 Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes		
			Req	Type	Min/Max
N401	019	Ship To City	M	AN	2/30
N402	156	Ship To State or Province Code	M	ID	2/2
N403	116	Ship To Postal Code	M	ID	3/15
N404	26	Ship To Country Code	O	ID	2/3



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**Segment: LIN** Item Identification

**Loop:** LIN Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes		
			Req	Type	Min/Max
LIN02	235	<b>Product/Service ID Qualifier</b> Valid codes listed below BP Buyer's Part Number	M	ID	2/2
LIN03	234	<b>Buyer's Part Number</b>	M	AN	1/22
LIN04	235	<b>Product/Service Qualifier</b> Valid codes listed below EC Engineering Change Level	O	ID	2/2
LIN05	234	<b>Engineering Change Level</b>	C	AN	1/6

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Segment: **UIT** Unit Detail

Loop: LIN Mandatory

Level: Detail

Usage: Mandatory

Max Use: 1

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
			Req	Type	Min/Max
UIT01	C001	Composite Unit of Measure	M		
	UIT0101	355 Unit/Basis for Measurement Code	M	ID	2/2
Refer to ANSI guidelines for a list of valid codes					

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Segment: **PID** Product/Item Description

Loop: LIN Mandatory

Level: Detail

Usage: Optional

Max Use: 1,000

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
			Req	Type	Min/Max
PID01	349	Item Description Type Valid codes listed below F Free Form	M	ID	1/1
PID05	352	Description	M	AN	1/80

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**Segment: PER Administrative Communications Contact**

**Loop:** LIN Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 3

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes		
			Req	Type	Min/Max
PER01	366	<b>Contact Function Code</b> Valid codes listed below BD Buyer Name or Department	M	ID	2/2
PER02	093	<b>Buyer Name or Department</b>	M	AN	1/60
PER03	365	<b>Communications Number Qualifier</b> Valid codes listed below TE Telephone Number	O	ID	2/2
PER04	364	<b>Telephone Number</b>	C	AN	1/80

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**Segment: ATH Cumulative Quantity**

**Loop:** LIN Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes		
			Req	Type	Min/Max
ATH01	672	<b>Resource Authorization Code</b> Valid codes listed below PQ Cumulative Quantity	M	ID	2/2
ATH02	373	<b>Date</b> Date expressed as CCYYMMDD	C	DT	8/8
ATH03	380	<b>Quantity</b> Cumulative quantity required prior to date in ATH02.	C	R	1/15
ATH05	373	<b>Cum Required ATH03</b> Date expressed as CCYYMMDD	O	DT	8/8

**Segment: ATH Finished Product**

**Loop:** LIN Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes		
			Req	Type	Min/Max
ATH01	672	<b>Resource Authorization Code</b> Valid codes listed below FI Finished Product	M	ID	2/2
ATH03	380	<b>Quantity</b> Total quantity authorized for finished product	C	R	1/15

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Segment: **ATH** Raw Material

Loop: LIN Mandatory

Level: Detail

Usage: Optional

Max Use: 1

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes		
			Req	Type	Min/Max
ATH01	672	<b>Resource Authorization Code</b> Valid codes listed below MT    Raw Material	M	ID	2/2
ATH03	380	<b>Quantity</b> Total quantity authorized for raw material	C	R	1/15

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**Segment: FST Forecast Schedule**

**Loop:** FST Optional

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 100

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes		
			Req	Type	Min/Max
<b>FST01</b>	<b>380</b>	<b>Quantity</b>	<b>M</b>	<b>R</b>	<b>1/15</b>
<b>FST02</b>	<b>680</b>	<b>Forecast Qualifier</b>	<b>M</b>	<b>ID</b>	<b>1/1</b>
		Valid codes are listed below.			
		C Firm Immediate or past due demand			
		D Planning Forecast demand			
<b>FST03</b>	<b>681</b>	<b>Forecast Timing Qualifier</b>	<b>M</b>	<b>ID</b>	<b>1/1</b>
		Valid codes are listed below:			
		C Daily			
		M Monthly Bucket (Calendar Months)			
		T Four week bucket (13 buckets per year) "Monthly Bucket"			
		W Weekly Bucket (Monday through Sunday)			
<b>FST04</b>	<b>373</b>	<b>Date-Period Start</b>	<b>M</b>	<b>DT</b>	<b>8/8</b>
		- This is the forecast start date.			
		- Beginning date of period if weekly, four week or monthly buckets. Actual date of period if daily.			
		- For weekly and four week buckets, the periods are calculated sequentially on a weekly basis, always starting on a Monday.			
		- Date expressed as CCYYMMDD.			
<b>FST05</b>	<b>373</b>	<b>Date-Required Date</b>	<b>O</b>	<b>DT</b>	<b>8/8</b>
		- Date expressed as CCYYMMDD.			

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**Segment: SHP** Shipped/Received Information

**Loop:** SHP Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 25

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes		
			Req	Type	Min/Max
SHP01	673	<b>Quantity Qualifier</b> Valid codes are listed below: 01 Discrete Quantity	M	ID	2/2
SHP02	380	<b>Quantity</b>	M	R	1/15
SHP03	374	<b>Date/Time Qualifier</b> Valid codes are listed below: 050 Received Date	M	ID	3/3
SHP04	373	<b>Receive Date</b> Date expressed as CCYYMMDD.	M	DT	8/8



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**Segment: SE** Transaction Set Trailer

**Loop:**

**Level:** Summary

**Usage:** Mandatory

**Max Use:** 1

**Data Element Summary**

<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>		
			<b>Req</b>	<b>Type</b>	<b>Min/Max</b>
SE01	96	Number of Included Segments	M	N0	1/10
SE02	329	Transaction Set Control Number	M	AN	4/9

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**Segment: ISA Interchange Control Header**

**Loop:**

**Level:**

**Usage:** Mandatory

**Max Use:** 1

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes		
			Req	Type	Min/Max
ISA01	I01	<b>Authorization Information Qualifier</b> 00 No Authorization Information Present	M	ID	2/2
ISA02	I02	<b>Authorization Information</b> 10 empty spaces must be entered here as the ISA segment is space sensitive	M	AN	10/10
ISA03	I03	<b>Security Information Qualifier</b> 00 No Security Information Present	M	ID	2/2
ISA04	I04	<b>Security Information</b> 10 empty spaces must be entered here as the ISA segment is space sensitive.	M	AN	10/10
ISA05	I05	<b>Interchange ID Qualifier</b> ZZ	M	ID	2/2
ISA06	I06	<b>Interchange Sender ID</b> SIEGSTL	M	AN	15/15
ISA07	I05	<b>Interchange ID Qualifier</b> ZZ	M	ID	2/2
ISA08	I07	<b>Interchange Receiver ID</b> Supplier Code.	M	AN	15/15
ISA09	I08	<b>Interchange Date</b> Date expressed as YYMMDD	M	DT	6/6
ISA10	I09	<b>Interchange Time</b> Time expressed in 24-hour clock time as HHMM	M	TM	4/4
ISA11	I10	<b>Interchange Control Standards Identifier</b> U U.S. EDI Community of ASC X12, TDCC, and UCS	M	ID	1/1

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Ref. Des.	Data Element	Name	Attributes		
			Req	Type	Min/Max
ISA12	I11	<b>Interchange Control Version Number</b> 00400 Standard Issued as ANSI X12.5-1997	M	ID	5/5
ISA13	I12	<b>Interchange Control Number</b> A control number assigned by the interchange sender	M	N0	9/9
ISA14	I13	<b>Acknowledgment Requested</b> 0 No Acknowledgment Requested	M	ID	1/1
ISA15	I14	<b>Usage Indicator</b> Valid codes listed below: P Production Data T Test Data	M	ID	1/1
ISA16 I15		<b>Component Element Separator</b> Valid codes listed below: '.' Colon	M	AN	1/1

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**Segment: GS Functional Group Header**

**Loop:**

**Level:**

**Usage:** Mandatory

**Max Use:** 1

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes		
			Req	Type	Min/Max
GS01	479	<b>Functional Identifier Code</b> Valid codes listed below: PS Planning Schedule with Release Capability (Planning Schedule 830)	M	ID	2/2
GS02	142	<b>Application Sender's Code</b> SIEGSTL	M	AN	2/15
GS03	124	<b>Application Receiver's Code</b> Supplier Code.	M	AN	2/15
GS04	373	<b>Date</b> Date expressed as CCYYMMDD	M	DT	8/8
GS05	337	<b>Time</b> Time expressed in 24-hour clock time as HHMM	M	TM	4/4
GS06	28	<b>Group Control Number</b> Assigned number originated and maintained by the sender	M	N0	1/9
GS07	455	<b>Responsible Agency Code</b> Code used in conjunction with Data Element GS08 to identify the issuer of the standard. X Accredited Standards Committee X12	M	ID	1/2
GS08	480	<b>Version/Release/Industry Identifier Code</b> 004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997	M	AN	1/12

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**Segment: GE Functional Group Trailer**

**Loop:**

**Level:**

**Usage:** Mandatory

**Max Use:** 1

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes		
			Req	Type	Min/Max
GE01	97	<b>Number of Transaction Sets Included</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M	N0	1/6
GE02	28	<b>Group Control Number</b> Assigned number originated and maintained by the sender	M	N0	1/9

**Segment: IEA Interchange Control Trailer**

**Loop:**

**Level:**

**Usage:** Mandatory

**Max Use:** 1

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes		
			Req	Type	Min/Max
IEA01	I16	<b>Number of Included Functional Groups</b> A count of the number of functional groups included in an interchange	M	N0	1/5
IEA02	I12	<b>Interchange Control Number</b> A control number assigned by the interchange sender	M	N0	9/9

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The attribute columns are explained as follows:

- The first column: M = Mandatory, C = Conditional, O = Optional
- The second column:

ID	Identifier (a unique value from a predefined list from ANSI)
DT	Date
TM	Time
AN	Alphanumeric
R	Numeric with a variable decimal place
Nx	Numeric with “x” decimal places
- The third column: x/y, where

x	Minimum number of digits for this element and
y	Maximum number of digits for this element.