

Raley's

Raley's BEL AIR NOB HILL
FOODS
Family of Fine Stores

Enhanced EDI Specification

Inbound Advanced Ship Notice - 856

VERSION 2.0
JANUARY 1ST 2021

856 Advanced Ship Notice / Manifest

Functional Group: SH

Version: 004010 X12

Raley's Family of Fine Stores utilizes the 856 Advance Ship Notice Transaction Set to obtain shipment information from our vendors and suppliers for all divisions within the company. The 856 transaction set can be used to list the contents of a shipment of goods as well as additional information relating to the shipment, such as order information, product description, physical characteristics, and type of packaging, marking, carrier information, and configuration of goods within the transportation equipment. Raley's utilizes the 997 Functional Acknowledgment transaction set to indicate receipt of the 856 Advanced Ship Notice/ Manifest. All X12 standards, required and conditional segments and elements must be mapped. Raley's will continue to enhance our EDI program to ensure you have the very best documents that can be exchanged with us.

Trading Partners are selected based on a strategic profile. A final acceptance decision is made in consultation with other parts of the business. The Trading Partner is required to complete a Trading Partner Agreement prior to partnership consideration. **This document may be used in conjunction with a Pallet level label specification and all ASNs should not have loose cases on the transport trailer – all cases should be on a pallet and pallet labeled. The pallet label will identify all items on that pallet. The Tare Level is equivalent to the Pallet level. This structure is Shipment-Order-Tare-Pack-Item and can be visualized as a product Item is in a container (Pack) within a Pallet (Tare) on an Order in a Shipment.**

Raley's will be using new identifiers as we enhance our EDI capabilities. We do, however, continue to recognize the Data Universal Numbering System (DUNS) number meaning the 9-digit number assigned by Dun and Bradstreet, Inc. (D&B) to identify unique business entities. Data Universal Numbering System + 4 (DUNS+4) number means the DUNS number assigned by D&B plus a 4-character suffix that is assigned by Raley's based on location for identifying alternative Electronic Funds Transfer (EFT) account information. D&B has no affiliation with this 4-character suffix.

Please be aware that your assigned Vendor number and/or our internal assigned product numbers may change from time to time to allow for systemic upgrades.

Any questions concerning mapping requirements should be directed to the EDI Team at edi@raleys.com.

Header:

Pos. No.	Seq. ID	Name	Req. Des.	Max. Use	Loop Repeat
010	ST	Transaction Set Header	M	1	
020	BSN	Beginning Segment for a Ship Notice	M	1	

Detail :

Pos. No.	Seq. ID	Name	Req. Des.	Max. Use	Loop Repeat
Loop ID – Shipment					200000
010	HL	Hierarchical Level	M	1	
110	TD1	Carrier Details (Quantity and Weight)	O	20	
120	TD5	Carrier Details (Routing Sequence / Transit Time)	O	12	
130	TD3	Carrier Details (Equipment)	O	12	
150	REF	Reference Identification	O	>1	
200	DTM	Date/Time Reference	O	10	
Loop ID – Name					200
220	N1	Name	M	1	
240	N3	Address Information	O	2	
250	N4	Geographic Location	O	1	
Loop ID – Shipment/Order					200000
010	HL	Hierarchical Level	M	1	
050	PRF	Purchase Order Reference	O	1	
Loop ID – Shipment/Order/Tare					200000
010	HL	Hierarchical Level	M	1	
190	MAN	Marks and Numbers	O	>1	
215	PAL	Pallet Information	O	1	
Loop ID – Shipment/Order/Tare/Pack					200000
010	HL	Hierarchical Level	M	1	
020	LIN	Item Identification	O	1	
030	SN1	Item Detail (Shipment)	O	1	
190	MAN	Marks and Numbers	O	>1	
200	DTM	Date/Time Reference	O	10	
Loop ID – Shipment/Order/Tare/Pack					200000
010	HL	Hierarchical Level	M	1	
020	LIN	Item Identification	M	1	
030	SN1	Item Detail (Shipment)	M	1	
060	PO4	Item Physical Details	M	1	
070	PID	Product/Item Description	O	1	

Summary:

Pos. No.	Seq. ID	Name	Req. Des.	Max. Use	Loop Repeat
070	CTT	Transaction Totals	O	1	
080	SE	Transaction Set Trailer	M	1	
090	GE	Group Trailer	M	1	
100	IEA	Transaction Trailer	M	1	

Document Revision Page

January 1 st 2021	Added request to send in line number from PO - Updated	Rich Tetreault edi@raleys.com
January 1 st 2021	Added “Please be aware that your assigned Vendor number and/or our internal assigned product numbers may change from time to time to allow for systemic upgrades.”	Rich Tetreault edi@raleys.com
January 1 st 2021	Freshen 856 Specification: Add Changes Section, alter font, format, style, page numbering, and correct typos – Version 2.0 Release	Rich Tetreault edi@raleys.com
January , 2015	Version 1.0 Release	Rich Tetreault edi@raleys.com

ISA Interchange Set Header

Position: 001
Max Use: 1
Level: Header
Usage: Mandatory
Loop: N/A
Elements: 18
Purpose: To indicate the start of an interchange set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ISA01	I01	Authorization Information Qualifier	M	ID	2/2
		<u>Code</u> <u>Description</u>			
		00 No Authorization Information Present			
ISA02	I02	Authorization Information	M	ID	10/10
		Note: Normally blank field			
ISA03	I03	Security Information Qualifier	M	ID	2/2
		<u>Code</u> <u>Description</u>			
		00			
ISA04	I04	Security Information	M	ID	10/10
		Note: Normally blank field			
ISA05	I05	Interchange ID Qualifier	M	ID	2/2
		<u>Code</u> <u>Description</u>			
		01 DUNS Number			
		08 UCC EDI Comm. ID			
		12 Phone Number			
		ZZ Mutually Defined			
		Note: Your accepted EDI Qualifier			
ISA06	I06	Interchange Sender ID	M	AN	15/15
		Note: Your accepted EDI Receiver ID			
ISA07	I05	Interchange ID Qualifier	M	ID	2/2
		<u>Code</u> <u>Description</u>			
		ZZ Mutually Defined – Used by Raley's			
ISA08	I08	Interchange Receiver ID	M	AN	15/15
		<u>Code</u> <u>Description</u>			
		RALEYSPROD For PRODUCTION			
		RALEYSTEST For TEST			
ISA09	I08	Date	M	DT	6/6
		Note: Format YYMMDD			
ISA10	I09	Time	M	TM	4/4
		Note: Format HHMM			

ISA Interchange Set Header

Position: 001
Max Use: 1
Level: Header
Usage: Mandatory
Loop: N/A
Elements: 18
Purpose: To indicate the start of an interchange set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ISA11	I10	Interchange Standards Identifier	M	ID	1/1
		<u>Code</u> <u>Description</u>			
		U US EDI Community of ASC X.12			
ISA12	I11	Interchange Version ID	M	ID	5/5
		<u>Code</u> <u>Description</u>			
		00401 ANSI X.12 4010			
ISA13	I12	Interchange Control Number	M	N0	9/9
ISA14	I13	Acknowledgement Requested	M	ID	1/1
		<u>Code</u> <u>Description</u>			
		0 No Acknowledgement Requested			
		1 Acknowledgement Requested			
ISA15	I14	Test Indicator	M	ID	1/1
		<u>Code</u> <u>Description</u>			
		T Test			
		P Production			
ISA16	I15	Element Separator	M	AN	1/1
		<u>Code</u> <u>Description</u>			
		Pipe Symbol (Ascii code table ¦)			
ISA17	I15	Sub-Element Separator	M	AN	1/1
		<u>Code</u> <u>Description</u>			
		^ Carat Symbol (Ascii code table ^)			
ISA18	I15	Segment Terminator	M	AN	1/1
		<u>Code</u> <u>Description</u>			
		~ Tilde Symbol (Ascii code table ~)			

Example: ISA|00| |00|01|0000101780 |ZZ|RALEYSTEST |260731|2223|U|00401|
 0000000002|1|T|^~

GS Group Set Header

Position: 005
Max Use: 1
Level: Header
Usage: Mandatory
Loop: N/A
Elements: 8
Purpose: To indicate the start of a Group Set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
GS01	479	Functional Code	M	ID	2/2
		<u>Code</u> <u>Description</u>			
		SH Ship Notice			
GS02	142	Sender ID	M	AN	2/15
		<u>Code</u> <u>Description</u>			
		RALEYSPROD For Production			
		RALEYSTEST For Test			
GS03	124	Receiver ID	M	AN	2/15
		Note: Your accepted EDI Receiver ID			
GS04	373	Interchange Date	M	DT	8/8
		Note: Format CCYYMMDD			
GS05	337	Interchange Time	M	TM	4/8
		Note: Format HHMMSS			
GS06	28	Group Control Number	M	N0	1/9
GS07	455	Responsible Agency Code	M	ID	2/2
		<u>Code</u> <u>Description</u>			
		X ANSI X.12			
GS08	480	Functional Code	M	IDAN	1/12
		<u>Code</u> <u>Description</u>			
		004010 ANSI X.12 4010			

Example: GS|SH|RALEYSTEST|0000101780|20260731|222347|2001|X|004010~

ST Transaction Set Header

Position: 010
Max Use: 1
Level: Header
Usage: Mandatory
Loop: N/A
Elements: 2
Purpose: To indicate the start of a transaction set and to assign a control number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
ST01	143	Transaction Set Identifier Code	M	ID	3/3				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Description</u></th> </tr> </thead> <tbody> <tr> <td>856</td> <td>ASN – Advanced Ship Notice</td> </tr> </tbody> </table>	<u>Code</u>	<u>Description</u>	856	ASN – Advanced Ship Notice			
<u>Code</u>	<u>Description</u>								
856	ASN – Advanced Ship Notice								
ST02	329	Transaction Set Control Number	M	AN	4/9				

Example: [ST|856|0001~](#)

BSN Beginning Segment for Ship Notice

Position: 020
Max Use: 1
Level: Header
Usage: Mandatory
Loop: N/A
Elements: 5
Purpose: To transmit identifying numbers, dates, and other data.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
BSN01	353	Transaction Set Purpose Code	M	ID	2/2
		<u>Code</u> <u>Description</u>			
		00 Original			
		ZZ Special Purpose			
BSN02	396	Shipment Identification	M	R0	2/30
BSN03	373	Date CCYYMMDD	M	DT	8/8
BSN04	337	Time HHMM	M	TM	4/8
BSN05	1005	Hierarchical Structure Code	O	ID	4/4
		<u>Code</u> <u>Description</u>			
		0001 Shipment, Order, Tare, Pack, Item including Bar Code Label on every Pallet			
		0004 Shipment, Order, Tare, Pack, Item with No Bar Code Label on every Pallet			

Notes:

1. BSN03 is the date the shipment transaction is created.
2. BSN04 is the time the shipment transaction set is created.
3. BSN01=ZZ will be used to identify a special purpose ASN document which

is

mutually defined by all parties.

4. Raley's will only accept original ASNs at this time, where BSN01 = '00'.
5. BSN05 = 0001 Raley's is requiring that the ASN is a detailed ASN with

GS1-128

bar code labeling on every pallet. Until compliance can be made, use code 0004 on the ASN in BSN05.

Example: [BSN|00|22334545454545444|20260102|1300|0001~](#)

HL Hierarchical Level

Position: 010
Max Use: 1
Level: Detail
Usage: Mandatory
Loop: S
Elements: 3
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
HL01	628	Hierarchical ID Number	M	AN	1/12
HL02	734	Hierarchical Parent ID Number	O	AN	1/12
HL03	735	Hierarchical Level Code	M	ID	1/2
		<u>Code</u>		<u>Description</u>	
		S		Shipment	

Comments:

- A** - The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
- B** - The HL segment defines a top-down/left-right ordered structure.
- C** - HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
- D** - HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
- E** - HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.

Guidelines: HL02 will be omitted for the first HL segment of the transaction set, since it has no parent. HL03 Indicates the application context of the series of segments following the current HL segment up to the next occurrence of an HL segment, or the CTT segment, e.g., Shipment, Order, Tare, Pack, and Item.

The value for HL01 for this level (shipment) is 1.

HL03 Code Value(s):
S Shipment

The following element(s) are NOT used by UCS:
HL02, HL04

Example: HL|1||S~

TD1 Carrier Details (Quantity and Weight)

Position: 110
Max Use: 20
Level: Detail
Usage: Mandatory at least 1 iteration
Loop: S
Elements: 5
Purpose: To specify the transportation details relative to commodity, weight, and quantity.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
TD101	103	Packaging Code	O	AN	3/5
		<u>Code</u> <u>Description</u>			
		CTN25 Carton			
		PLT94 Pallet			
TD102	80	Lading Quantity # of Pallets or Cartons	C	NO	1/7
TD106	187	Weight Qualifier	O	ID	1/2
		<u>Code</u> <u>Description</u>			
		G Gross Weight			
		N Net Weight			
		Z Volume			
TD107	81	Weight	C	R2	1/10
TD108	358	Unit or Basis for Measurement Code	C	ID	2/2
		<u>Code</u> <u>Description</u>			
		KG Kilograms			
		LB Pounds			
		EA Each			
		RL Roll			
		CA Case			
		PK Pack			
		PL Pallet			
		ZZ Tier			
		IN Inches			
		FT Foot/Feet			
		CF Feet cubed			
		CI Inches cubed			
		CY Yards Cubed			
		CR Meters Cubed			

Notes: If TD101 is present then TD102 is required.
 TD102 is the number of packages in the shipment as described in TD101.
 If either TD106 or TD107 is present, the other is required.
 If either TD107 or TD108 is present, the other is required.
 Include at least one (1) TD1 iteration in the transmission.

Example: TD1|CTN25|2|||G|120|LB~
 TD1|PLT94|2|||Z|920|CY~

TD5 Carrier Details (Routing Sequence/Transit Time)

Position: 120
Max Use: 12
Level: Detail
Usage: Optional
Loop: S
Elements: 4
Purpose: To specify the carrier and sequence of routing and provide transit time information.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
TD501	133	Routing Sequence Code	O	ID	1/2
TD502	66	Identification Code Qualifier	C	ID	1/2
		<u>Code</u> <u>Description</u>			
		2 Standard Carrier Alpha Code (SCAC)			
TD503	67	Identification Code	C	AN	2/80
TD504	91	Transportation Method/Type Code	C	ID	1/2
		<u>Code</u> <u>Description</u>			
		H Customer Pickup			
		M Motor (Common Carrier)			
TD505	387	Routing	C	AN	135
TD506	368	Order Status	C	AN	2/2
		<u>Code</u> <u>Description</u>			
		BP Ship Partial – Backorder to follow (must obtain approval)			
		CC Shipment Complete			
		CP Partial Shipment – No Backorder (must obtain approval)			
		CS Shipment Complete with Substitution (must obtain approval)			
		SS Split Shipment (must obtain approval)			
		CM Complete with Additional Quantity (must obtain approval)			

Notes: **When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.**

Example: TD5|B|2|ACME TRUCKING CO|M|MOTOR|CC~

TD3 Carrier Details (Equipment)

Position: 130
Max Use: 12
Level: Detail
Usage: Optional
Loop: S
Elements: 3
Purpose: To specify transportation details relating to the equipment used by the carrier.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>						
TD301	40	Equipment Description Code	C	ID	2/2						
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Description</u></td> </tr> <tr> <td>CN</td> <td>Container</td> </tr> <tr> <td>TL</td> <td>Trailer (not otherwise specified)</td> </tr> </table>	<u>Code</u>	<u>Description</u>	CN	Container	TL	Trailer (not otherwise specified)			
<u>Code</u>	<u>Description</u>										
CN	Container										
TL	Trailer (not otherwise specified)										
TD302	206	Equipment Initial	O	AN	1/4						
TD303	207	Equipment Number <i>Please provide container id or trailer number</i>	C	AN	1/10						

Notes: This segment is used to specify the trailer number for a truckload shipment.

Example: [TD3|TL|D|CHOICE 2~](#)

REF Reference Identification

Position: 150
Max Use: >
Level: Detail
Usage: Optional
Loop: S
Elements: 2
Purpose: To specify identifying information.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3
		<u>Code</u>		<u>Description</u>	
		BM		Bill of Lading Number	
		CN		Carrier Number	
REF02	127	Reference Identification	C	AN	1/30

Notes: This segment is used to specify the bill of lading number. When available, additional iterations of this segment may be used to specify the carrier's PRO number, appointment number, etc.

Example: [REF|BM|5060020~](#)

DTM Date/Time Reference

Position: 200
Max Use: 10
Level: Detail
Usage: Mandatory
Loop: S
Elements: 4
Purpose: To specify pertinent dates and times.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3
		<u>Code</u>			
		011			
		<u>Description</u>			
		Shipped			
		067			
		Current Scheduled Delivery			
DTM02	373	Date	C	DT	8/8
		Date Shipped (CCYYMMDD)			
DTM03	337	Time	C	ID	4/8
		Time Shipped			
DTM04	623	Time Code	C	ID	2/2
		Time Zone			
		<u>Code</u>			
		PD			
		Pacific Daylight Time			
		PS			
		Pacific Standard Time			
		PT			
		Pacific Time			
		MD			
		Mountain Daylight Time			
		MS			
		Mountain Standard Time			
		MT			
		Mountain Time			
		CD			
		Central Daylight Time			
		CS			
		Central Standard Time			
		CT			
		Central Time			
		ED			
		Eastern Daylight Time			
		ES			
		Eastern Standard Time			
		ET			
		Eastern Time			

Example: [DTM|011|20290102|111111|PD~](#)

N1 Name

Position: 220
Max Use: 1
Level: Detail
Usage: Optional
Loop: S/N1
Elements: 4
Purpose: To identify a party by type of organization, name, and code.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N101	98	Entity Identifier Code *Both codes need to be sent	M	ID	2/3
		<u>Code</u> <u>Description</u>			
		SF Ship From			
		ST Ship To			
		ZZ Future use for Alternate Location			
N102	93	Name	C	AN	1/60
N103	66	Identification Code Qualifier	M	ID	1 /2
		<u>Code</u> <u>Description</u>			
		9 D-U-N-S+4, DUNS Number with Four Character Suffix			
N104	67	Identification Code <i>DUNS Number with Four Character Suffix</i>	M	AN	2/80

Notes: **A** - This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency, the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 B- Use of N101=ZZ will need to be agreed to by Partners

Example: N1|SF|ABC CO|91|123456789012~

N3 Address Information

Position: 240
Max Use: 2
Level: Detail
Usage: Optional
Loop: S/N1
Elements: 2
Purpose: To specify the location of the named party.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N301	166	Address Information	M	AN	1/55
N302	166	Address Information	O	AN	1/55

Example: [N3|123 This Way~](#)

N4 Geographic Location

Position: 250
Max Use: 1
Level: Detail
Usage: Optional
Loop: S/N1
Elements: 3
Purpose: To specify the geographic place of the named party.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N401	19	City Name	O	AN	2/30
N402	156	State or Province Code	O	ID	2/2
N403	116	Postal Code	O	ID	3/15

Example: [N4|West Sacramento|CA|95605~](#)

HL Hierarchical Level

Position: 010
Max Use: 1
Level: Detail
Usage: Mandatory
Loop: S/O
Elements: 3
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
HL01	628	Hierarchical ID Number	M	AN	1/12
HL02	734	Hierarchical Parent ID Number	O	AN	1/12
HL03	735	Hierarchical Level Code	M	ID	1/2
		<u>Code</u> <u>Description</u>			
		O Order			

Comments:

- A** - The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
- B** - The HL segment defines a top-down/left-right ordered structure.
- C** - HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
- D** - HL02 identifies the hierarchical ID number of the HL segment to which the current H segment is subordinate.
- E** - HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.

Guidelines: HL03 Indicates the application context of the series of segments following the current HL segment up to the next occurrence of an HL segment, or the CTT segment, e.g., Shipment, Order, Tare, Pack, and Item.

HL03 Code Value(s): O Order

Example: [HL|2|1|0~](#)

PRF Purchase Order Reference

Position: 050
Max Use: 1
Level: Detail
Usage: Mandatory
Loop: S/O
Elements: 1
Purpose: To provide reference to a specific purchase order.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
PRF01	324	Purchase Order Number	M	AN	1/12
PRF04	373	Purchase Order Date	M	DT	8/8

Example: [PRF501-12345|||20291227~](#)

TD1 Carrier Details (Quantity and Weight)

Position: 110
Max Use: 20
Level: Detail
Usage: Optional
Loop: S/O
Elements: 5
Purpose: To specify the transportation details relative to commodity, weight, and quantity.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
TD101	103	Packaging Code <u>Code</u> <u>Description</u> CTN25 Carton (Corrugated or Solid) PLT94 Pallet (Wood)	O	AN	3/5
TD102	80	Lading Quantity <i>Total number of pallets or cartons</i>	C	N0	1/7
TD106	187	Weight Qualifier <u>Code</u> <u>Description</u> G Gross Weight N Net Weight Z Volume	O	ID	1/2
TD107	81	Weight	C	R2	1/10
TD108	358	Unit or Basis for Measurement Code <u>Code</u> <u>Description</u> KG Kilograms LB Pounds EA Each RL Roll CA Case PK Pack PL Pallet ZZ Tier IN Inches FT Foot/Feet CF Feet cubed CI Inches cubed CY Yards Cubed CR Meters Cubed	C	ID	2/2

Notes: This segment is used to specify total containers and gross weight of the shipment.

If TD101 is present then TD102 is required.
 TD102 is the number of packages in the shipment as described in TD101.
 If either TD106 or TD107 is present, the other is required.
 If either TD107 or TD108 is present, the other is required.
 Include at least one (1) TD1 iteration in the transmission.

Example: TD1|CTN25|2|||G|120|LB~
 TD1|PLT94|2|||Z|920|CY~

HL Hierarchical Level

Position: 010
Max Use: 1
Level: Detail
Usage: Mandatory
Loop: S/O/T
Elements: 3
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
HL01	628	Hierarchical ID Number	M	AN	1/12
HL02	734	Hierarchical Parent ID Number	O	AN	1/12
HL03	735	Hierarchical Level Code	M	ID	1/2
		<u>Code</u>		<u>Description</u>	
		T		Shipping Tare <i>Pallet</i>	

Comments:

- A** - The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
- B** - The HL segment defines a top-down/left-right ordered structure.
- C** - HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
- D** - HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
- E** - HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.

Guidelines: HL03 Indicates the application context of the series of segments following the current HL segment up to the next occurrence of an HL segment, or the CTT segment, e.g., Shipment, Order, Tare, Pack, and Item.

HL03 Code Value(s):
 T Shipping Tare *Pallet*

Example: HL|3|2|T~

MAN Marks and Numbers

Position: 190
Max Use: >1
Level: Detail
Usage: Optional
Loop: S/O/T
Elements: 2
Purpose: To indicate identifying marks and numbers for shipping containers.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	
MAN01	88	Marks and Numbers Qualifier	C	ID	1 / 2	
		<u>Code</u>				<u>Description</u>
		GM				SSCC-18 and Application Identifier
		W			Non-SSCC-18 qualifier	
MAN02	87	Marks and Numbers UCC128 Unit Load ID	C	AN	1/48	

Example: [MAN|GM|0012345553899~](#)

PAL Pallet Information

Position: 215
Max Use: >1
Level: Detail
Usage: Optional
Loop: S/O/T
Elements: 10
Purpose: To identify the type and physical attributes of the pallet, and, gross weight, gross volume, and height of the load and the pallet

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>																														
PAL01	883	Pallet Type Code	O	ID	1/2																														
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Description</u></th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Standard</td> </tr> </tbody> </table>	<u>Code</u>	<u>Description</u>	4	Standard																													
<u>Code</u>	<u>Description</u>																																		
4	Standard																																		
PAL04	356	Pack	O	NO	1/6																														
PAL07	82	Length	C	R	1/8																														
PAL08	189	Width	C	R	1/8																														
PAL09	65	Height	C	R	1/8																														
PAL10	65	Unit or Basis for Measurement Code	C	ID	2/2																														
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Description</u></th> </tr> </thead> <tbody> <tr><td>EA</td><td>Each</td></tr> <tr><td>RL</td><td>Roll</td></tr> <tr><td>CA</td><td>Case</td></tr> <tr><td>PK</td><td>Pack</td></tr> <tr><td>PL</td><td>Pallet</td></tr> <tr><td>ZZ</td><td>Tier</td></tr> <tr><td>IN</td><td>Inches</td></tr> <tr><td>FT</td><td>Foot/Feet</td></tr> <tr><td>KG</td><td>Kilograms</td></tr> <tr><td>LB</td><td>Pounds</td></tr> <tr><td>CF</td><td>Feet cubed</td></tr> <tr><td>CI</td><td>Inches cubed</td></tr> <tr><td>CY</td><td>Yards Cubed</td></tr> <tr><td>CR</td><td>Meters Cubed</td></tr> </tbody> </table>	<u>Code</u>	<u>Description</u>	EA	Each	RL	Roll	CA	Case	PK	Pack	PL	Pallet	ZZ	Tier	IN	Inches	FT	Foot/Feet	KG	Kilograms	LB	Pounds	CF	Feet cubed	CI	Inches cubed	CY	Yards Cubed	CR	Meters Cubed			
<u>Code</u>	<u>Description</u>																																		
EA	Each																																		
RL	Roll																																		
CA	Case																																		
PK	Pack																																		
PL	Pallet																																		
ZZ	Tier																																		
IN	Inches																																		
FT	Foot/Feet																																		
KG	Kilograms																																		
LB	Pounds																																		
CF	Feet cubed																																		
CI	Inches cubed																																		
CY	Yards Cubed																																		
CR	Meters Cubed																																		

Example: PAL|4|||50|||6|5|6|FT~

HL Hierarchical Level

Position: 010
Max Use: 1
Level: Detail
Usage: Mandatory
Loop: S/O/T/P
Elements: 3
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
HL01	628	Hierarchical ID Number	M	AN	1/12
HL02	734	Hierarchical Parent ID Number	O	AN	1/12
HL03	735	Hierarchical Level Code	M	ID	1/2
		<u>Code</u>		<u>Description</u>	
		P		Pack	

Comments:

- A** - The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
- B** - The HL segment defines a top-down/left-right ordered structure.
- C** - HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
- D** - HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
- E** - HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.

Guidelines: HL03 Indicates the application context of the series of segments following the current HL segment up to the next occurrence of an HL segment, or the CTT segment, e.g., Shipment, Order, Tare, Pack, and Item.

If the pack has a U.P.C. Case Code, the LIN segment at the pack level is used to indicate the U.P.C. Case Code, and the SN1 segment, at the pack level, is used to report the number of cases.

HL03 Code Value(s):
P Pack

Example: HL|4|3|P~

LIN Item Identification

Position: 020
Max Use: 1
Level: Detail
Usage: Mandatory
Loop: S/O/T/P
Elements: 5
Purpose: To specify basic item identification data.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
LIN01	350	Raley's PO Line Item Number	M	AN	1/20
LIN02	235	Product/Service ID Qualifier	M	ID	2/2
		<u>Code</u> <u>Description</u>			
		UA U.P.C./EAN Case Code (2-5-5)			
		UK U.P.C./EAN Shipping Container Code (GTIN) (1-2-5-5-1)			
		VN Sellers item #			
		IN Buyers item #			
LIN03	234	Product/Service ID	M	AN	1/48
LIN04	235	Product Service ID Qualifier	O	ID	2/2
		<u>Code</u> <u>Description</u>			
		LT Lot ID			
		SK SKU ID			
		UP UPC Package Code (1-5-5-1)			
		B8 Batch Number			
		CH Country of Origin Code			
		ZZ Mutually Defined			
LIN05	234	Product Service ID	C	AN	1/48

Note: The 856 TURN AROUND INFORMATION is Mandatory: Raley's would prefer that you return the same information that you received in the PO1 segment of the 850 in the LIN segment of the 856.

Example: [LIN|0050|UA|003700012345|LT|234532~](#)

SN1 Item Detail (Shipment)

Position: 030
Max Use: 1
Level: Detail
Usage: Mandatory
Loop: S/O/T/P
Elements: 2
Purpose: To specify line-item detail relative to shipment.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SN101	350	Raley's PO Line Item Number	M	AN	1/20
SN102	382	Number of Units Shipped Item Quantity	M	R0	1/10
SN103	355	Unit or Basis for Measurement Code	M	ID	2/2
		<u>Code</u>		<u>Description</u>	
		EA		Each	
		RL		Roll	
		CA		Case	
		PK		Pack	
		PL		Pallet	
		ZZ		Tier	
		IN		Inches	
		FT		Foot/Feet	
		KG		Kilograms	
		LB		Pounds	
		CF		Feet cubed	
		CI		Inches cubed	
		CY		Yards Cubed	
		CR		Meters Cubed	

Example: [SN1|0050|45|CA~](#)

MAN Marks and Numbers

Position: 190
Max Use: >1
Level: Detail
Usage: Optional
Loop: S/O/T/P
Elements: 2
Purpose: To indicate identifying marks and numbers for shipping containers.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MAN01	88	Marks and Numbers Qualifier	C	ID	1 /2
		<u>Code</u> <u>Description</u>			
		UC U.P.C. Shipping Container Case			
MAN02	87	Marks and Numbers	C	AN	1/48

Example: [MAN|UC|00300012345~](#)

HL Hierarchical Level

Position: 010
Max Use: 1
Level: Detail
Usage: Mandatory
Loop: S/O/T/P/I
Elements: 3
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
HL01	628	Hierarchical ID Number	M	AN	1/12
HL02	734	Hierarchical Parent ID Number	O	AN	1/12
HL03	735	Hierarchical Level Code	M	ID	1/2
		<u>Code</u> <u>Description</u>			
		I Item			

Comments:

- A** - The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
- B** - The HL segment defines a top-down/left-right ordered structure.
- C** - HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
- D** - HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
- E** - HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.

Guidelines: HL03 Indicates the application context of the series of segments following the current HL segment up to the next occurrence of an HL segment, or the CTT segment, e.g., Shipment, Order, Tare, Pack, and Item.

Example: HL|5|4|I|~

LIN Item Identification

Position: 020
Max Use: 1
Level: Detail
Usage: Mandatory
Loop: S/O/T/P/I
Elements: 5
Purpose: To specify basic item identification data.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
LIN01	350	Raley's PO Line Item Number	M	AN	1/20
LIN02	235	Product/Service ID Qualifier	M	ID	2/2
		<u>Code</u> <u>Description</u>			
		UP U.P.C. Consumer Package Code (1-5-5-1)			
LIN03	234	Product/Service ID	M	AN	1/48
LIN04	235	Product Service ID Qualifier	O	ID	2/2
		<u>Code</u> <u>Description</u>			
		IN Buyer's Item Number			
		SK SKU ID			
		UP UPC Package Code (1-5-5-1)			
		B8 Batch Number			
		CH Country of Origin Code			
		ZZ Mutually Defined			
LIN05	234	Product Service ID	C	AN	1/48

Note: The 856 TURN AROUND INFORMATION is Mandatory: Raley's would prefer that you return the same information that you received in the PO1 segment of the 850 in the LIN segment of the 856

Example: [LIN|0090|UP|0227000087880|IN|00878~](#)

SN1 Item Detail (Shipment)

Position: 030
Max Use: 1
Level: Detail
Usage: Mandatory
Loop: S/O/T/P/I
Elements: 2
Purpose: To specify line-item detail relative to shipment.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SN101	350	Raley's PO Line Item Number	M	AN	1/20
SN102	382	Number of Units Shipped Item Quantity	M	R0	1/10
SN103	355	Unit or Basis for Measurement Code	M	ID	2/2
		<u>Code</u>			<u>Description</u>
		EA			Each
		RL			Roll
		CA			Case
		PK			Pack
		PL			Pallet
		ZZ			Tier
		IN			Inches
		FT			Foot/Feet
		KG			Kilograms
		LB			Pounds
		CF			Feet cubed
		CI			Inches cubed
		CY			Yards Cubed
		CR			Meters Cubed

Example: SN1|0090||450|EA~

PO4 Item Physical Detail

Position: 060
Max Use: >1
Level: Detail
Usage: Mandatory
Loop: S/O/T/P/I
Elements: 2
Purpose: To indicate identifying marks and numbers for shipping containers.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
P0401	356	Pack	M	NO	1/6
P0414	810	Inner Pack	M	NO	1/6

Example: PO4|6|||||||||1~

PID Product/Item Description

Position: 070
Max Use: 1
Level: Detail
Usage: Optional
Loop: S/O/T/P/I
Elements: 2
Purpose: To describe a product or process in coded or free-form format.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
PID01	349	Item Description Type	M	AN	1/1
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Description</u></td> </tr> <tr> <td>F</td> <td>Free-Format</td> </tr> </table>			
<u>Code</u>	<u>Description</u>				
F	Free-Format				
PID05	352	Description	C	AN	1/60

Example: PID|F|||ABC GEL~

CTT Transaction Totals

Position: 010
Max Use: 1
Level: Summary
Usage: Mandatory
Loop: N/A
Elements: 2
Purpose: To transmit a hash total for a specific element in the transaction set.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
CTT01	354	Number of Line Items	M	N0	1/6
CTT02	347	Hash Total	O	R	1/10
CTT03	81	Weight	C	R	1/10
CTT04	355	Unit or Basis of Measurement Code	C	ID	2/2
		<u>Code</u> <u>Description</u>			
		LB Pounds			
		OZ Ounces			
		PG Pound Gross			
		KG Kilograms			
CTT05	183	Volume	C	R	1/8
CTT06	355	Unit or Basis of Measurement Code	C	ID	2/2
		<u>Code</u> <u>Description</u>			
		CF Cubic Feet			

Example: CTT|0043|000000000378|000102758|LB|004553|CF~

SE Transaction Set Trailer

Position: 030
Max Use: 1
Level: Summary
Usage: Mandatory
Loop: N/A
Elements: 2
Purpose: To indicate the end of a transaction set and to provide the count of the Transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

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

Example: [SE|195|0001~](#)

GE Group Set Trailer

Position: 040
Max Use: 1
Level: Summary
Usage: Mandatory
Loop: N/A
Elements: 2
Purpose: To indicate the end of the group of like transactions.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
GE01	97	Number of Transaction Sets Included	M	N0	1/6
GE02	28	Group Control Number	M	N0	1/9

Example: [GE|1|0001~](#)

IEA Interchange Set Trailer

Position: 050
Max Use: 1
Level: Summary
Usage: Mandatory
Loop: N/A
Elements: 2
Purpose: To indicate the end of an interchange.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
IEA01	I16	Number of Included Functional Groups	M	N0	1/5
IEA02	I12	Interchange Control Number	M	N0	9/9

Example: IEA|1|0001~

Sample Data – 856 Ship Notice/Manifest

ISA|00| |00| |01|123456789012345|ZZ|RALEYSTEST |060102|1030|U|00401|000000001|0|T|^~
 GS|SH|123456789012345|007874472|20260102|1030|21691|X|004010~

ST*856*00001~	Start transaction set 856. Transaction set control #
BSN*00*002447137M*20040308*0810*0001~	Transaction Code, Shipment ID, Date, Time Hierarchy Structure Code
HL*0001**S~	Hierarch ID Number, Hierarch Level Code
SHIPMENT	
TD1*PLT*20***G*43078.95*LB~	Packaging Code, Lading Quantity, Weight Qualifier, Weight, Unit/Basis Measure Code
TD5**2*FRESH*M*GREEN FREIGHT INC*M* MOTOR~	Routing Sequence Code, Id Code Qualifier, Location Id Code, Transport Type Code, Routing
TD3*TL*D*539745~	Equipment Description Code, Equipment Initial, Equipment Number
REF*BM*002447137M~	Reference Ident Qual, Reference Ident
DTM*067*20260309~	Date Time Qualifier, Delivery Date
DTM*011*20260308*0810~	Date Time Qualifier, Shipped Date, Time
N1*SF*ABCD*9*1234567891234~	Entity Code –Ship From, Name, ID Code Qualifier, ID Code
N3*123 THIS WAY~	
N4*TURLOCK*CA*94312~	City Name, State or Prov Code, Postal Code
N1*ST*RALEY'S NATOMAS DC*9* 0995315190836~	Entity Code –Ship To, Name, ID Code Qualifier, ID Code
N3*4061 GATEWAY PARK BOULEVARD~	Address Information
N4*SACRAMENTO*CA*95834~	City Name, State or Prov Code, Postal Code
HL*0002*0001*S/O~	Hierarch ID Number, Hierarch Level Code
ORDER	
PRF*77862***20260305~	PO Number, Date
TD1*PLT*20***G*43078.95*LB~	Packaging Code, Lading Quantity, Weight Qualifier, Weight, Unit/Basis Meas Code
HL*0003*0002*S/O/T~	Hierarch ID Number, Hierarch Level Code
TARE	
MAN*GM*001001234567891234~	Marks & Number Qualifier, Marks & Numbers
HL*0004*0003*S/O/T/P~	Hierarch ID Number, Hierarch Level Code
PALLET	
LIN**UA*008768493643*LT*987654321~	Prod/Serv ID Qual, Product/Service ID, Prod/Serv Id Qual, Product Serv ID
SN1**80*CA~	Number of Units Shipped, Unit/Basis Meas Code
MAN*UC*00087684936436~	
DTM*036*20050823*2308~	Marks & Number Qualifier, Marks & Numbers Date/Time Qualifier –Expiration, Date, Time
HL*0005*0004*S/O/T/P/I~	
ITEM	
	Hierarch ID Number, Hierarch Level Code
LIN**UP*001234567892*IN*01234567~	
SN1**1980*EA~	Prod/Serv ID Qual, UPC Code, Prod/Serv Id Qual, Item Number

PO4*6*****1~	Number of Units Shipped, Unit/Basis Measure Code
PID*F***ABC Gel~	Pack and Inner Pack
CTT*5~	Description of Item
SE*31*00001~	Number of HL Segments
GE*1*21691~	Number of Inc. Segs
IEA*1*00000001~	Number of TS Included, Group Cntl Number
	Number of Incl. Funct. Group, Inter Ctrl Number