



**BUSINESS EXAMPLES**  
**856 ADVANCE SHIP NOTICE**

**FOR USA & CANADA:**

**LOWE'S SENDER ID: 006097142 QUALIFIER: 01**

**FOR MEXICO:**

**LOWE'S SENDER ID : 6135830008 QUALIFIER: 08**

## 856 BUSINESS EXAMPLES

### An Explanation of the HL Segment for a Detail ASN

#### Layout

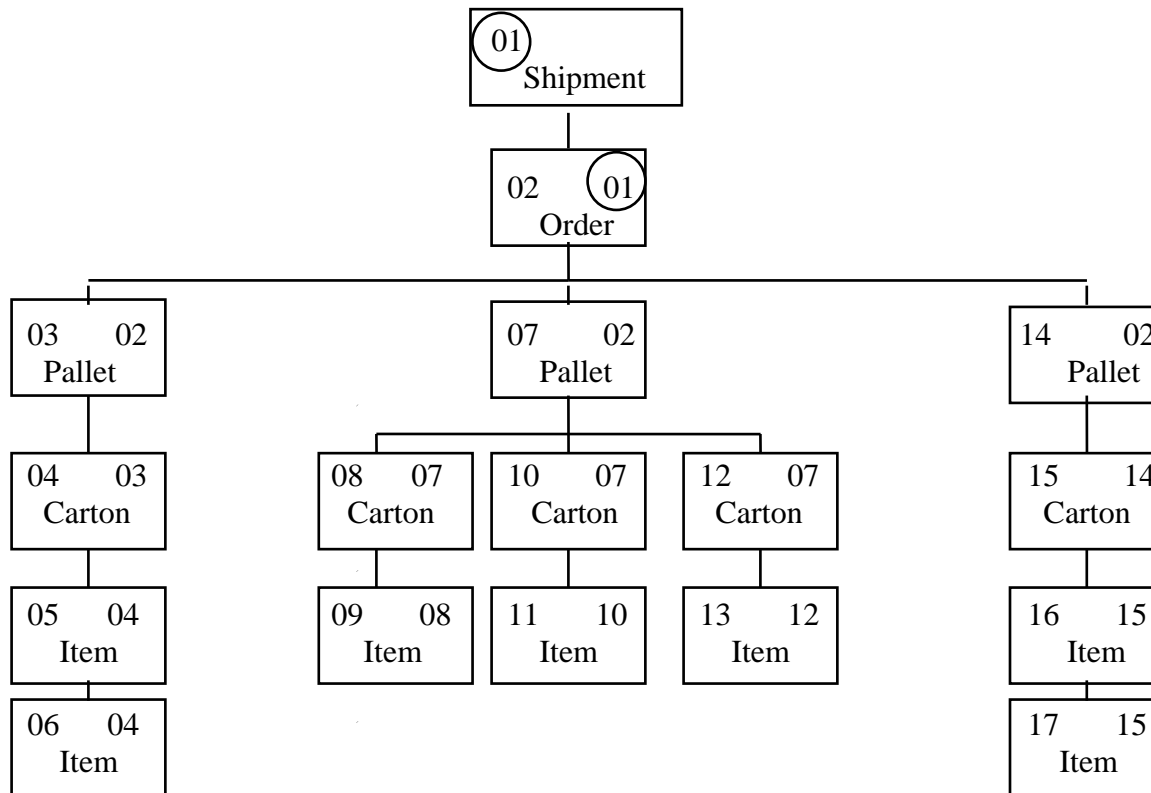
HL	Hierarchical ID Number	Hierarchical Parent ID Number	Hierarchical Level Code\
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#### Example

HL*1**S\			identifies the shipment level
HL*2*1*O\			identifies an order on the shipment
HL*3*2*T\			identifies a tare (pallet) on the order
HL*4*3*P\			identifies a pack (carton) on the pallet
HL*5*4*I\			identifies an item in the carton

#### **Pick & Pack Data Structure – (See Lowe’s\_856 ASN Implementation Guide for information on the formats and types of ASNs that are acceptable.)**

Defines a top-down / left-right ordered structure. The number in the upper left-hand corner of the box represents the HL01 value. The number in the upper right-hand corner represents the HL02 value. The description in the box represents the detail loop.



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The following is a detailed explanation of the HL segment that follows the above chart thru the 11th hierarchical level for a Detail ASN.

HL*1**S\ ↕	<i>identifies the shipment level</i> HL-01 = 1 which means this is the first hierarchical structure in the ASN, HL-02 is blank because there is no parent id number at the shipment level, and HL-03 = S to indicate the level code is for the shipment level.
HL*2*1*O\ ↕	<i>identifies an order on the shipment</i> HL-01 = 2 which means this is the second hierarchical structure in the ASN, HL-02 = 1 which links the order level back to the shipment level, HL-03 = O to indicate the level code is for the order level.
HL*3*2*T\ ↕	<i>identifies the first tare (pallet) on the order</i> HL-01 = 3 which means this is the third hierarchical structure in the ASN, HL-02 = 2 which links the first tare (pallet) level back to the order level, HL-03 = T to indicate the level code is for the tare (pallet) level.
HL*4*3*P\ ↕	<i>Identifies the first pack (carton) on the first tare (pallet) on the order</i> HL-01 = 4 which means this is the fourth hierarchical structure in the ASN, HL-02 = 3 which links the pack (carton) level back to the first tare (pallet) level, HL-03 = P to indicate the level code is for the pack (carton) level.
HL*5*4*I	<i>identifies the first item in the first carton on the first tare (pallet) on the order</i> HL-01 = 5 which means this is the fifth hierarchical structure in the ASN, HL-02 = 4 which links the item level back to the first pack (carton) level, HL-03 = I to indicate the level code is for the item level
HL*6*4*I	<i>Identifies the second item in the first carton on the first tare (pallet) on the order</i> HL-01 = 6 which means this is the sixth hierarchical structure in the ASN, HL-02 = 4 which links the item level back to the first pack (carton) level, HL-03 = I to indicate the level code is for the item level
HL*7*2*T\ ↕	<i>identifies the second tare (pallet) on the order</i> HL-01 = 7 which means this is the seventh hierarchical structure in the ASN, HL-02 = 2 which links the second tare (pallet) level back to the order level, HL-03 = T to indicate the level code is for the tare (pallet) level
HL*8*7*P\ ↕	<i>identifies the first pack (carton) on the second tare (pallet) on the order</i> HL-01 = 8 which means this is the eighth hierarchical structure in the ASN, HL-02 = 7 which links the pack (carton) level back to the second tare (pallet) level, HL-03 = P to indicate the level code is for the pack (carton) level
HL*9*8*I	<i>identifies the first item in the first pack (carton) on the second tare (pallet) on the order</i> HL-01 = 9 which means this is the ninth hierarchical structure in the ASN, HL-02 = 8 which links the item level back to the first pack (carton) level on the second tare (pallet), HL-03 = I to indicate the level code is for the item level
HL*10*7*P\ ↕	<i>identifies the second pack (carton) on the second tare (pallet) on the order</i> HL-01 = 10 which means this is the tenth hierarchical structure in the ASN, HL-02 = 7 which links the pack (carton level) back to the second tare (pallet) level, HL-03 = P to indicate the level code is for the pack (carton) level
HL*11*10*I	<i>identifies the first item in the second pack (carton) on the second tare (pallet) on the order</i> HL-01 = 11 which means this is the eleventh hierarchical structure in the ASN, HL-02 = 10 which links the item level back to the second pack (carton) level on the second tare (pallet), HL-03 = I to indicate the level code is for the item level

## 856 BUSINESS EXAMPLES

These are the 856 ASN Business Examples included in this document. Please review the 856 ASN Implementation Guide for details. Also review the FDC EDI ASN Specifications Supplement for additional details on FDC ASN requirements.

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RDC = Lowe’s Regional Distribution Center (examples can also be referenced for Store Direct shipments)

FDC = Lowe’s Flatbed Distribution Center



## 856 BUSINESS EXAMPLES

### Business Example 1 - Original Detail ASN with GS1-128 at Pallet and Carton Levels – RDC Shipment

ISA*00* *00* *qual*sender id*qual*receiver id*001001*1700*U*00400*000000001*0*P*>	Interchange Control Header
GS*SH*sender id*receiver id*20071001*1700*1*X*004010	Functional Group Control Header
ST*856*000000001	Transaction Set Header
BSN*00*999999999*20071001*1700*0001	Transaction Set Code (00=Original ASN), Shipment ID, ASN Create Date & Time, ASN HL Structure Code (0001=Detail ASN)
<b>LOOP ID - HL (SHIPMENT DETAIL)</b>	
HL*1**S	Shipment Level
TD1*PLT*3	Number of Pallets or Cartons Shipped (optional)
TD1*CTN*3	Number of Pallets or Cartons Shipped (optional)
TD5**2*scac*M	Transport Mode
TD3*CV**9999	Type of Trailer & Trailer Number (optional)
REF*MB*99999999	Master Bill of Lading Number (optional)
DTM*011*20071001*1405*ET	Date & Time Shipped (date required, time optional)
FOB*CC	Collect Terms on Shipment
<b>LOOP ID - HL/N1</b>	
N1*SF*ABC Widgets	Shipper's Name
N4*Smithville*NC*21345	City, State, & Zip Code (optional)
<b>LOOP ID - HL (ORDER DETAIL)</b>	
HL*2*1*O	Order Level
PRF*999999999	Purchase Order Number
REF*BM*999	Bill of Lading Number (optional)
REF*CN*99999999	Carrier's Pro Number (optional)
REF*IA*12345	Lowe's Vendor Number
DTM*067*20071002*1259*ET	Estimated Arrival Date & Time (date required, time optional)
<b>LOOP ID - HL/N1</b>	
N1*ST**94*992	Lowe's Location Receiving Product
<b>LOOP ID - HL (TARE DETAIL)</b>	
HL*3*2*T	Pallet (Tare) Level
MAN*GM*9999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (PACK DETAIL)</b>	
HL*4*3*P	Carton (Pack) Level
MAN*GM*9999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*5*4*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*6*4*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**72*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
<b>LOOP ID - HL (TARE DETAIL)</b>	
HL*7*2*T	Pallet (Tare) Level
MAN*GM*9999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (PACK DETAIL)</b>	
HL*8*7*P	Carton (Pack) Level
MAN*GM*9999999999999999999	GS1-128Serial Shipping Container Code



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<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*9*8*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**24*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*10*8*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**72*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
<b>LOOP ID - HL (TARE DETAIL)</b>	
HL*11*2*T	Pallet (Tare) Level
MAN*GM*99999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (PACK DETAIL)</b>	
HL*12*11*P	Carton (Pack) Level
MAN*GM*99999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*13*12*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*14*12*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**244*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
CTT*14	Transaction Totals
SE*51*000000001	Transaction Set Trailer
GE*1*I	Functional Group Trailer
IEA*1*000000001	Interchange Control Trailer

## 856 BUSINESS EXAMPLES

### Business Example 2 - Original Detail ASN with GS1-128 at Pallet & Carton Levels - Two RDC Vendor Prepared Cross-Dock Orders

ISA*00* *00* *qual*sender id*qual* receiver id **001001*1700*U*00400*000000001*0*P*>	Interchange Control Header
GS*SH*sender id* receiver id *20071001*1700*1*X*004010	Functional Group Control Header
ST*856*000000001	Transaction Set Header
BSN*00*999999999*20071001*1700*0001	Transaction Set Code (00=Original ASN), Shipment ID, ASN Create Date & Time, ASN HL Structure Code (0001=Detail ASN)
<b>LOOP ID - HL (SHIPMENT DETAIL)</b>	
HL*1**S	Shipment Level
TD1*PLT*3	Number of Pallets or Cartons Shipped (optional)
TD1*CTN*3	Number of Pallets or Cartons Shipped (optional)
TD5**2*scac*M	Transport Mode
TD3*CV**9999	Type of Trailer & Trailer Number (optional)
REF*MB*99999	Master Bill of Lading Number (optional)
DTM*011*20071001*1405*ET	Date & Time Shipped (date required, time optional)
FOB*CC	Collect Terms on Shipment
<b>LOOP ID - HL/N1</b>	
N1*SF*ABC Widgets	Shipper's Name
N4*Smithville*NC*21345	City, State, & Zip Code (optional)
<b>LOOP ID - HL (ORDER DETAIL)</b>	
HL*2*1*O	Order Level
PRF*999999999	Purchase Order Number
REF*BM*999	Bill of Lading Number (optional)
REF*CN*9999999	Carrier's Pro Number (optional)
REF*IA*12345	Lowe's Vendor Number
DTM*067*20071002*1259*ET	Estimated Arrival Date & Time (date required, time optional)
<b>LOOP ID - HL/N1</b>	
N1*ST**94*960	Lowe's Distribution Center Location Number
N1*MA**94*701	Final Destination Store Location to Receive the Product
<b>LOOP ID - HL (TARE DETAIL)</b>	
HL*3*2*T	Pallet (Tare) Level
MAN*GM*9999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (PACK DETAIL)</b>	
HL*4*3*P	Carton (Pack) Level
MAN*GM*9999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*5*4*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
<b>LOOP ID - HL (TARE DETAIL)</b>	
HL*6*2*T	Pallet (Tare) Level
MAN*GM*9999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (PACK DETAIL)</b>	
HL*7*6*P	Carton (Pack) Level
MAN*GM*9999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*8*7*I	Item Level
LIN**CB*999999	Lowe's Item Number

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SN1**24*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*9*7*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**72*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
<b>LOOP ID - HL (TARE DETAIL)</b>	
HL*10*2*T	Pallet (Tare) Level
MAN*GM*99999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (PACK DETAIL)</b>	
HL*11*10*P	Carton (Pack) Level
MAN*GM*99999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*12*11*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*13*11*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**244*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
CTT*13	Transaction Totals
SE*49*000000001	Transaction Set Trailer
ST*856*000000002	Additional Transaction Set Header for Another Order
BSN*00*999999999*20071001*1700*0001	Transaction Set Code (00=Original ASN), Shipment ID, ASN Create Date & Time, ASN HL Structure Code (0001=Detail ASN)
<b>LOOP ID - HL (SHIPMENT DETAIL)</b>	
HL*1**S	Shipment Level
TD1*PLT*3	Number of Pallets or Cartons Shipped (optional)
TD1*CTN*3	Number of Pallets or Cartons Shipped (optional)
TD5**2*scac*M	Transport Mode
TD3*CV**9999	Type of Trailer & Trailer Number (optional)
REF*MB*99999	Master Bill of Lading Number (optional)
DTM*011*20071001*1405*ET	Date & Time Shipped (date required, time optional)
FOB*CC	Collect Terms on Shipment
<b>LOOP ID - HL/N1</b>	
N1*SF*ABC Widgets	Shipper's Name
N4*Smithville*NC*21345	City, State, & Zip Code (optional)
<b>LOOP ID - HL (ORDER DETAIL)</b>	
HL*2*1*O	Order Level
PRF*999999988	Purchase Order Number
REF*BM*999	Bill of Lading Number (optional)
REF*CN*99999999	Carrier's Pro Number (optional)
REF*IA*12345	Lowe's Vendor Number
DTM*067*20071002*1259*ET	Estimated Arrival Date & Time (date required, time optional)
<b>LOOP ID - HL/N1</b>	
N1*ST**94*960	Lowe's Distribution Center Location Number
N1*MA**94*143	Final Destination Store Location to Receive the Product
<b>LOOP ID - HL (TARE DETAIL)</b>	
HL*3*2*T	Pallet (Tare) Level
MAN*GM*99999999999999999999	GS1-128Serial Shipping Container Code



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<b>LOOP ID - HL (PACK DETAIL)</b>	
HL*4*3*P	Carton (Pack) Level
MAN*GM*99999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*5*4*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
<b>LOOP ID - HL (TARE DETAIL)</b>	
HL*6*2*T	Pallet (Tare) Level
MAN*GM*99999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (PACK DETAIL)</b>	
HL*7*6*P	Carton (Pack) Level
MAN*GM*99999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*8*7*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**24*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*9*7*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**72*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
<b>LOOP ID - HL (TARE DETAIL)</b>	
HL*10*2*T	Pallet (Tare) Level
MAN*GM*99999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (PACK DETAIL)</b>	
HL*11*10*P	Carton (Pack) Level
MAN*GM*99999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*12*11*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*13*11*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**244*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
CTT*13	Transaction Totals
SE*49*000000002	Transaction Set Trailer for Second Order
GE*2*1	Functional Group Trailer
IEA*1*000000001	Interchange Control Trailer

## 856 BUSINESS EXAMPLES

### Business Example 3 - Original Detail ASN with GS1-128 at Pallet Level Only – RDC Shipment

ISA*00* *00* *qual*sender id*qual* receiver id *001001*1700*U*00400*000000001*0*P*>	Interchange Control Header
GS*SH*sender id* receiver id *20071001*1700*1*X*004010	Functional Group Control Header
ST*856*000000001	Transaction Set Header
BSN*00*999999999*20071001*1700*0001	Transaction Set Code (00=Original ASN), Shipment ID, ASN Create Date & Time, ASN HL Structure Code (0001=Detail ASN)
<b>LOOP ID - HL (SHIPMENT DETAIL)</b>	
HL*1**S	Shipment Level
TD1*PLT*3	Number of Pallets or Cartons Shipped (optional)
TD5**2*scac*M	Transport Mode
TD3*CV**9999	Type of Trailer & Trailer Number (optional)
REF*MB*99999	Master Bill of Lading Number (optional)
DTM*011*20071001*1405*ET	Date & Time Shipped (date required, time optional)
FOB*CC	Collect Terms on Shipment
<b>LOOP ID - HL/N1</b>	
N1*SF*ABC Widgets	Shipper's Name
N4*Smithville*NC*21345	City, State, & Zip Code (optional)
<b>LOOP ID - HL (ORDER DETAIL)</b>	
HL*2*1*O	Order Level
PRF*999999999	Purchase Order Number
REF*BM*999	Bill of Lading Number (optional)
REF*CN*99999999	Carrier's Pro Number (optional)
REF*IA*12345	Lowe's Vendor Number
DTM*067*20071002*1259*ET	Estimated Arrival Date & Time (date required, time optional)
<b>LOOP ID - HL/N1</b>	
N1*ST**94*992	Lowe's Location Receiving Product
<b>LOOP ID - HL (TARE DETAIL)</b>	
HL*3*2*T	Pallet (Tare) Level – First Pallet
MAN*GM*99999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*4*3*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*5*3*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**72*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
<b>LOOP ID - HL (TARE DETAIL)</b>	
HL*6*2*T	Pallet (Tare) Level – Second Pallet
MAN*GM*99999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*7*6*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**24*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*8*6*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**72*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's



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<b>LOOP ID - HL (TARE DETAIL)</b>	
HL*9*2*T	Pallet (Tare) Level – Third Pallet
MAN*GM*99999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*10*9*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*11*10*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**244*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
CTT*11	Transaction Totals
SE*44*000000001	Transaction Set Trailer
GE*1*1	Functional Group Trailer
IEA*1*000000001	Interchange Control Trailer

## 856 BUSINESS EXAMPLES

### Business Example 4 - Original Detail ASN with GS1-128 at Pallet Level Only - Two RDC Vendor Prepared Cross-Dock Orders

ISA*00* *00* *qual*sender id*qual* receiver id *001001*1700*U*00400*000000001*0*P*>	Interchange Control Header
GS*SH*sender id* receiver id *20071001*1700*1*X*004010	Functional Group Control Header
ST*856*000000001	Transaction Set Header
BSN*00*999999999*20071001*1700*0001	Transaction Set Code (00=Original ASN), Shipment ID, ASN Create Date & Time, ASN HL Structure Code (0001=Detail ASN)
<b>LOOP ID - HL (SHIPMENT DETAIL)</b>	
HL*1**S	Shipment Level
TD1*PLT*3	Number of Pallets or Cartons Shipped (optional)
TD5**2*scac*M	Transport Mode
TD3*CV**9999	Type of Trailer & Trailer Number (optional)
REF*MB*99999	Master Bill of Lading Number (optional)
DTM*011*20071001*1405*ET	Date & Time Shipped (date required, time optional)
FOB*CC	Collect Terms on Shipment
<b>LOOP ID - HL/N1</b>	
N1*SF*ABC Widgets	Shipper's Name
N4*Smithville*NC*21345	City, State, & Zip Code (optional)
<b>LOOP ID - HL (ORDER DETAIL)</b>	
HL*2*1*O	Order Level
PRF*999999999	Purchase Order Number
REF*BM*999	Bill of Lading Number (optional)
REF*CN*99999999	Carrier's Pro Number (optional)
REF*IA*12345	Lowe's Vendor Number
DTM*067*20071002*1259*ET	Estimated Arrival Date & Time (date required, time optional)
<b>LOOP ID - HL/N1</b>	
N1*ST**94*960	Lowe's Distribution Center Location Number
N1*MA**94*701	Final Destination Store Location to Receive the Product
<b>LOOP ID - HL (TARE DETAIL)</b>	
HL*3*2*T	Pallet (Tare) Level – First Pallet
MAN*GM*9999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*4*3*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
<b>LOOP ID - HL (TARE DETAIL)</b>	
HL*5*2*T	Pallet (Tare) Level – Second Pallet
MAN*GM*9999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*6*5*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**24*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*7*5*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**72*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
<b>LOOP ID - HL (TARE DETAIL)</b>	
HL*8*2*T	Pallet (Tare) Level – Third Pallet
MAN*GM*9999999999999999999	GS1-128Serial Shipping Container Code

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<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*9*8*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*10*8*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**244*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
CTT*10	Transaction Totals
SE*42*000000001	Transaction Set Trailer
ST*856*000000002	Additional Transaction Set Header for Another Order
BSN*00*999999999*20071001*1700*0001	Transaction Set Code (00=Original ASN), Shipment ID, ASN Create Date & Time, ASN HL Structure Code (0001=Detail ASN)
<b>LOOP ID - HL (SHIPMENT DETAIL)</b>	
HL*1**S	Shipment Level
TD1*PLT*1	Number of Pallets or Cartons Shipped (optional)
TD5**2*scac*M	Transport Mode
TD3*CV**9999	Type of Trailer & Trailer Number (optional)
REF*MB*99999	Master Bill of Lading Number (optional)
DTM*011*20071001*1405*ET	Date & Time Shipped (date required, time optional)
FOB*CC	Collect Terms on Shipment
<b>LOOP ID - HL/N1</b>	
N1*SF*ABC Widgets	Shipper's Name
N4*Smithville*NC*21345	City, State, & Zip Code (optional)
<b>LOOP ID - HL (ORDER DETAIL)</b>	
HL*2*1*O	Order Level
PRF*999999988	Purchase Order Number
REF*BM*999	Bill of Lading Number (optional)
REF*CN*99999999	Carrier's Pro Number (optional)
REF*IA*12345	Lowe's Vendor Number
DTM*067*20071002*1259*ET	Estimated Arrival Date & Time (date required, time optional)
<b>LOOP ID - HL/N1</b>	
N1*ST**94*960	Lowe's Distribution Center Location Number
N1*MA**94*143	Final Destination Store Location to Receive the Product
<b>LOOP ID - HL (TARE DETAIL)</b>	
HL*3*2*T	Pallet (Tare) Level – One Pallet on Order
MAN*GM*99999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*4*3*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
CTT*4	Transaction Totals
SE*26*000000002	Transaction Set Trailer for Second Order
GE*2*1	Functional Group Trailer
IEA*1*000000001	Interchange Control Trailer

## 856 BUSINESS EXAMPLES

### Business Example 5 - Original Detail ASN with GS1-128 at Carton Level Only – RDC Shipment

ISA*00* *00* *qual*sender id*qual* receiver id *001001*1700*U*00400*000000001*0*P*>	Interchange Control Header
GS*SH*sender id* receiver id *20071001*1700*1*X*004010	Functional Group Control Header
ST*856*000000001	Transaction Set Header
BSN*00*999999999*20071001*1700*0001	Transaction Set Code (00=Original ASN), Shipment ID, ASN Create Date & Time, ASN HL Structure Code (0001=Detail ASN)
<b>LOOP ID - HL (SHIPMENT DETAIL)</b>	
HL*1**S	Shipment Level
TD1*CTN*3	Number of Pallets or Cartons Shipped (optional)
TD5**2*scac*M	Transport Mode
TD3*CV**9999	Type of Trailer & Trailer Number (optional)
REF*MB*99999	Master Bill of Lading Number (optional)
DTM*011*20071001*1405*ET	Date & Time Shipped (date required, time optional)
FOB*CC	Collect Terms on Shipment
<b>LOOP ID - HL/N1</b>	
N1*SF*ABC Widgets	Shipper's Name
N4*Smithville*NC*21345	City, State, & Zip Code (optional)
<b>LOOP ID - HL (ORDER DETAIL)</b>	
HL*2*1*O	Order Level
PRF*999999999	Purchase Order Number
REF*BM*999	Bill of Lading Number (optional)
REF*CN*99999999	Carrier's Pro Number (optional)
REF*IA*12345	Lowe's Vendor Number
DTM*067*20071002*1259*ET	Estimated Arrival Date & Time (date required, time optional)
<b>LOOP ID - HL/N1</b>	
N1*ST**94*992	Lowe's Location Receiving Product
<b>LOOP ID - HL (PACK DETAIL)</b>	
HL*3*2*P	Carton (Pack) Level – First Carton
MAN*GM*99999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*4*3*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*5*3*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**72*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
<b>LOOP ID - HL (PACK DETAIL)</b>	
HL*6*2*P	Carton (Pack) Level – Second Carton
MAN*GM*99999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*7*6*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**24*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*8*6*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**72*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's



## 856 BUSINESS EXAMPLES

<b>LOOP ID - HL (PACK DETAIL)</b>	
HL*9*2*P	Carton (Pack) Level – Third Carton
MAN*GM*99999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*10*9*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*11*9*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**244*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
CTT*11	Transaction Totals
SE*44*000000001	Transaction Set Trailer
GE*1*1	Functional Group Trailer
IEA*1*000000001	Interchange Control Trailer

## 856 BUSINESS EXAMPLES

### Business Example 6 - Original Detail ASN with GS1-128 at Carton Level Only - Two RDC Vendor Prepared Cross-Dock Orders

ISA*00* *00* *qual*sender id*qual* receiver id *001001*1700*U*00400*000000001*0*P*>	Interchange Control Header
GS*SH*sender id* receiver id *20071001*1700*1*X*004010	Functional Group Control Header
ST*856*000000001	Transaction Set Header
BSN*00*999999999*20071001*1700*0001	Transaction Set Code (00=Original ASN), Shipment ID, ASN Create Date & Time, ASN HL Structure Code (0001=Detail ASN)
<b>LOOP ID - HL (SHIPMENT DETAIL)</b>	
HL*1**S	Shipment Level
TD1*CTN*3	Number of Pallets or Cartons Shipped (optional)
TD5**2*scac*M	Transport Mode
TD3*CV**9999	Type of Trailer & Trailer Number (optional)
REF*MB*99999	Master Bill of Lading Number (optional)
DTM*011*20071001*1405*ET	Date & Time Shipped (date required, time optional)
FOB*CC	Collect Terms on Shipment
<b>LOOP ID - HL/N1</b>	
N1*SF*ABC Widgets	Shipper's Name
N4*Smithville*NC*21345	City, State, & Zip Code (optional)
<b>LOOP ID - HL (ORDER DETAIL)</b>	
HL*2*1*O	Order Level
PRF*999999999	Purchase Order Number
REF*BM*999	Bill of Lading Number (optional)
REF*CN*99999999	Carrier's Pro Number (optional)
REF*IA*12345	Lowe's Vendor Number
DTM*067*20071002*1259*ET	Estimated Arrival Date & Time (date required, time optional)
<b>LOOP ID - HL/N1</b>	
N1*ST**94*960	Lowe's Distribution Center Location Number
N1*MA**94*701	Final Destination Store Location to Receive the Product
<b>LOOP ID - HL (PACK DETAIL)</b>	
HL*3*2*P	Carton (Pack) Level – First Carton
MAN*GM*99999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*4*3*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
<b>LOOP ID - HL (PACK DETAIL)</b>	
HL*5*2*P	Carton (Pack) Level – Second Carton
MAN*GM*99999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*6*5*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**24*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*7*5*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**72*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
<b>LOOP ID - HL (PACK DETAIL)</b>	
HL*8*2*P	Carton (Pack) Level – Third Carton
MAN*GM*99999999999999999999	GS1-128Serial Shipping Container Code

## 856 BUSINESS EXAMPLES

<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*9*8*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*10*8*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**244*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
CTT*10	Transaction Totals
SE*42*000000001	Transaction Set Trailer
ST*856*000000002	Additional Transaction Set Header for Another Order
BSN*00*999999999*20071001*1700*0001	Transaction Set Code (00=Original ASN), Shipment ID, ASN Create Date & Time, ASN HL Structure Code (0001=Detail ASN)
<b>LOOP ID - HL (SHIPMENT DETAIL)</b>	
HL*1**S	Shipment Level
TD1*CTN*1	Number of Pallets or Cartons Shipped (optional)
TD5**2*scac*M	Transport Mode
TD3*CV**9999	Type of Trailer & Trailer Number (optional)
REF*MB*99999	Master Bill of Lading Number (optional)
DTM*011*20071001*1405*ET	Date & Time Shipped (date required, time optional)
FOB*CC	Collect Terms on Shipment
<b>LOOP ID - HL/N1</b>	
N1*SF*ABC Widgets	Shipper's Name
N4*Smithville*NC*21345	City, State, & Zip Code (optional)
<b>LOOP ID - HL (ORDER DETAIL)</b>	
HL*2*1*O	Order Level
PRF*999999988	Purchase Order Number
REF*BM*999	Bill of Lading Number (optional)
REF*CN*99999999	Carrier's Pro Number (optional)
REF*IA*12345	Lowe's Vendor Number
DTM*067*20071002*1259*ET	Estimated Arrival Date & Time (date required, time optional)
<b>LOOP ID - HL/N1</b>	
N1*ST**94*960	Lowe's Distribution Center Location Number
N1*MA**94*143	Final Destination Store Location to Receive the Product
<b>LOOP ID - HL (PACK DETAIL)</b>	
HL*3*2*P	Carton (Pack) Level – Only One Carton
MAN*GM*99999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*4*3*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**24*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*5*3*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**72*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
CTT*5	Transaction Totals
SE*29*000000002	Transaction Set Trailer for Second Order
GE*2*1	Functional Group Trailer
IEA*1*000000001	Interchange Control Trailer



## 856 BUSINESS EXAMPLES

### Business Example 7 - Original Summary ASN Without GS1-128– RDC Shipment

ISA*00* *00* *qual*sender id*qual* receiver id *001001*1700*U*00400*000000001*0*P*>	Interchange Control Header
GS*SH*sender id* receiver id *20071001*1700*1*X*004010	Functional Group Control Header
ST*856*000000001	Transaction Set Header
BSN*00*999999999*20071001*1700*0004	Transaction Set Code (00=Original ASN), Shipment ID, ASN Create Date & Time, ASN HL Structure Code (0004=Summary ASN)
<b>LOOP ID - HL (SHIPMENT DETAIL)</b>	
HL*1**S	Shipment Level
TD1*PLT*3	Number of Pallets or Cartons Shipped (optional)
TD5**2*scac*M	Transport Mode
TD3*CV**9999	Type of Trailer & Trailer Number (optional)
REF*MB*99999	Master Bill of Lading Number (optional)
DTM*011*20071001*1405*ET	Date & Time Shipped (date required, time optional)
FOB*CC	Collect Terms on Shipment
<b>LOOP ID - HL/N1</b>	
N1*SF*ABC Widgets	Shipper's Name
N4*Smithville*NC*21345	City, State, & Zip Code (optional)
<b>LOOP ID - HL (ORDER DETAIL)</b>	
HL*2*I*O	Order Level
PRF*999999999	Purchase Order Number
REF*BM*999	Bill of Lading Number (optional)
REF*CN*999999999	Carrier's Pro Number (optional)
REF*IA*12345	Lowe's Vendor Number
DTM*067*20071002*1259*ET	Estimated Arrival Date & Time (date required, time optional)
<b>LOOP ID - HL/N1</b>	
N1*ST**94*992	Lowe's Location Receiving Product
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*3*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*4*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**72*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*5*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
CTT*5	Transaction Totals
SE*29*000000001	Transaction Set Trailer
GE*1*I	Functional Group Trailer
IEA*1*000000001	Interchange Control Trailer



## 856 BUSINESS EXAMPLES

### Business Example 8 - Original Summary ASN Without GS1-128 – RDC Vendor Prepared Cross-Dock Order

ISA*00* *00* *qual*sender id*qual* receiver id *001001*1700*U*00400*000000001*0*P*>	Interchange Control Header
GS*SH*sender id* receiver id *20071001*1700*1*X*004010	Functional Group Control Header
ST*856*000000001	Transaction Set Header
BSN*00*999999999*20071001*1700*0004	Transaction Set Code (00=Original ASN), Shipment ID, ASN Create Date & Time, ASN HL Structure Code (0004=Summary ASN)
<b>LOOP ID - HL (SHIPMENT DETAIL)</b>	
HL*1**S	Shipment Level
TD1*CTN*1	Number of Pallets or Cartons Shipped (optional)
TD5**2*scac*M	Transport Mode
TD3*CV**9999	Type of Trailer & Trailer Number (optional)
REF*MB*99999	Master Bill of Lading Number (optional)
DTM*011*20071001*1405*ET	Date & Time Shipped (date required, time optional)
FOB*CC	Collect Terms on Shipment
<b>LOOP ID - HL/N1</b>	
N1*SF*ABC Widgets	Shipper's Name
N4*Smithville*NC*21345	City, State, & Zip Code (optional)
<b>LOOP ID - HL (ORDER DETAIL)</b>	
HL*2*1*O	Order Level
PRF*999999999	Purchase Order Number
REF*BM*999	Bill of Lading Number (optional)
REF*CN*99999999	Carrier's Pro Number (optional)
REF*IA*12345	Lowe's Vendor Number
DTM*067*20071002*1259*ET	Estimated Arrival Date & Time (date required, time optional)
<b>LOOP ID - HL/N1</b>	
N1*ST**94*960	Lowe's Distribution Center Location Number
N1*MA**94*701	Final Destination Store Location to Receive the Product
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*3*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*4*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**24*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*5*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**72*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*6*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*7*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**244*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
CTT*7	Transaction Totals
SE*36*000000001	Transaction Set Trailer
GE*1*I	Functional Group Trailer
IEA*1*000000001	Interchange Control Trailer

## 856 BUSINESS EXAMPLES

### Business Example 9 - Replacement Detail ASN with GS1-128 at Pallet and Carton Levels – RDC Shipment

ISA*00* 00* *qual*sender id*qual* receiver id *2*001001*1700*U*00400*00000001*0*P*>	Interchange Control Header
GS*SH*sender id* receiver id *20071001*1700*1*X*004010	Functional Group Control Header
ST*856*000000001	Transaction Set Header
BSN*05*999999999*20071001*1700*0001	Transaction Set Code (05=Replacement ASN), Shipment ID must match Original ASN BSN-02, ASN Create Date & Time, ASN HL Structure Code (0001=Detail ASN)
<b>LOOP ID - HL (SHIPMENT DETAIL)</b>	
HL*1**S	Shipment Level
TD1*PLT*3	Number of Pallets or Cartons Shipped (optional)
TD1*CTN*3	Number of Pallets or Cartons Shipped (optional)
TD5**2*scac*M	Transport Mode
TD3*CV**9999	Type of Trailer & Trailer Number (optional)
REF*MB*99999	Master Bill of Lading Number (optional)
DTM*011*20071001*1405*ET	Date & Time Shipped (date required, time optional)
FOB*CC	Collect Terms on Shipment
<b>LOOP ID - HL/N1</b>	
N1*SF*ABC Widgets	Shipper's Name
N4*Smithville*NC*21345	City, State, & Zip Code (optional)
<b>LOOP ID - HL (ORDER DETAIL)</b>	
HL*2*1*O	Order Level
PRF*999999999	Purchase Order Number
REF*BM*999	Bill of Lading Number (optional)
REF*CN*99999999	Carrier's Pro Number (optional)
REF*IA*12345	Lowe's Vendor Number
DTM*067*20071006*1259*ET	Estimated Arrival Date & Time (date required, time optional)
<b>LOOP ID - HL/N1</b>	
N1*ST**94*992	Lowe's Location Receiving Product
<b>LOOP ID - HL (TARE DETAIL)</b>	
HL*3*2*T	Pallet (Tare) Level
MAN*GM*9999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (PACK DETAIL)</b>	
HL*4*3*P	Carton (Pack) Level
MAN*GM*9999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*5*4*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**48*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*6*4*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**72*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
<b>LOOP ID - HL (TARE DETAIL)</b>	
HL*7*2*T	Pallet (Tare) Level
MAN*GM*9999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (PACK DETAIL)</b>	
HL*8*7*P	Carton (Pack) Level
MAN*GM*9999999999999999999	GS1-128Serial Shipping Container Code



## 856 BUSINESS EXAMPLES

<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*9*8*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**48*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*10*8*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**72*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
<b>LOOP ID - HL (TARE DETAIL)</b>	
HL*11*2*T	Pallet (Tare) Level
MAN*GM*99999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (PACK DETAIL)</b>	
HL*12*11*P	Carton (Pack) Level
MAN*GM*99999999999999999999	GS1-128Serial Shipping Container Code
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*13*12*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**36*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*14*12*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**244*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
CTT*14	Transaction Totals
SE*51*000000001	Transaction Set Trailer
GE*1*I	Functional Group Trailer
IEA*1*000000001	Interchange Control Trailer



## 856 BUSINESS EXAMPLES

### Business Example 10 - Replacement Summary ASN Without GS1-128– RDC Shipment

ISA*00* *00* *qual*sender id*qual* receiver id *001001*1700*U*00400*000000001*0*P*>	Interchange Control Header
GS*SH*sender id* receiver id *20071001*1700*1*X*004010	Functional Group Control Header
ST*856*000000001	Transaction Set Header
BSN*05*999999999*20071001*1700*0004	Transaction Set Code (05=Replacement ASN), Shipment ID must match Original ASN BSN-02, ASN Create Date & Time, ASN HL Structure Code (0004=Summary ASN)
<b>LOOP ID - HL (SHIPMENT DETAIL)</b>	
HL*1**S	Shipment Level
TD1*PLT*3	Number of Pallets or Cartons Shipped (optional)
TD5**2*scac*M	Transport Mode
TD3*CV**9999	Type of Trailer & Trailer Number (optional)
REF*MB*99999	Master Bill of Lading Number (optional)
DTM*011*20071001*1405*ET	Date & Time Shipped (date required, time optional)
FOB*CC	Collect Terms on Shipment
<b>LOOP ID - HL/N1</b>	
N1*SF*ABC Widgets	Shipper's Name
N4*Smithville*NC*21345	City, State, & Zip Code (optional)
<b>LOOP ID - HL (ORDER DETAIL)</b>	
HL*2*1*O	Order Level
PRF*099999999	Purchase Order Number
REF*BM*999	Bill of Lading Number (optional)
REF*CN*9999999	Carrier's Pro Number (optional)
REF*IA*12345	Lowe's Vendor Number
DTM*067*20071008*1259*ET	Estimated Arrival Date & Time (date required, time optional)
<b>LOOP ID - HL/N1</b>	
N1*ST**94*992	Lowe's Location Receiving Product
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*3*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**24*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*4*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**96*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
CTT*4	Transaction Totals
SE*26*000000001	Transaction Set Trailer
GE*1*1	Functional Group Trailer
IEA*1*000000001	Interchange Control Trailer



## 856 BUSINESS EXAMPLES

### Business Example 11 - Original Summary ASN for Consignment Purchase Order – Rail FDC Shipment

ISA*00* *00* *qual*sender id*qual* receiver id *001001*1700*U*00400*000000001*0*P*>	Interchange Control Header
GS*SH*sender id* receiver id *20071001*1700*1*X*004010	Functional Group Control Header
ST*856*000000001	Transaction Set Header
BSN*00*999999999*20071001*1700*0004	Transaction Set Code (00=Original ASN), BSN02=Consignment PO # Assigned by Vendor, ASN Create Date & Time, ASN HL Structure Code (0004=Summary ASN)
<b>LOOP ID - HL (SHIPMENT DETAIL)</b>	
HL*1**S	Shipment Level
TD1*PLT*3	Number of Pallets or Cartons Shipped (optional)
TD5**2*scac*R	Transport Mode
TD3*BX**ABCD123456	Type of Rail Car & Rail Car Number (required for Rail shipments)
REF*MB*99999	Master Bill of Lading Number (optional)
DTM*011*20071001*1405*ET	Date & Time Shipped (date required, time optional)
FOB*CC	Collect Terms on Shipment
<b>LOOP ID - HL/N1</b>	
N1*SF*ABC Widgets	Shipper's Name
N4*Smithville*NC*21345	City, State, & Zip Code (optional)
<b>LOOP ID - HL (ORDER DETAIL)</b>	
HL*2*1*O	Order Level
PRF*0*****CN	Purchase Order Number=0 and Consignment Flag=CN for Consignment ASN
REF*BM*999	Bill of Lading Number (optional)
REF*CN*99999999	Carrier's Pro Number (optional)
REF*IA*12345	Lowe's Vendor Number
DTM*067*20071002*1259*ET	Estimated Arrival Date & Time (date required, time optional)
<b>LOOP ID - HL/N1</b>	
N1*ST**94*1424	Lowe's FDC Location Receiving Product
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*3*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*4*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**72*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*5*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
CTT*5	Transaction Totals
SE*29*000000001	Transaction Set Trailer
GE*1*1	Functional Group Trailer
IEA*1*000000001	Interchange Control Trailer

## 856 BUSINESS EXAMPLES

### Business Example 12 - Replacement Summary ASN for Consignment Purchase Order – Rail FDC Shipment

ISA*00* *00* *qual*sender id*qual* receiver id *001001*1700*U*00400*000000001*0*P*>	Interchange Control Header
GS*SH*sender id* receiver id *20071001*1700*1*X*004010	Functional Group Control Header
ST*856*000000001	Transaction Set Header
BSN*05*999999999*20071001*1700*0004	Transaction Set Code (05=Replacement ASN), BSN02=Consignment PO # Assigned by Vendor as sent in Original ASN, ASN Create Date & Time, ASN HL Structure Code (0004=Summary ASN)
<b>LOOP ID - HL (SHIPMENT DETAIL)</b>	
HL*1**S	Shipment Level
TD1*PLT*3	Number of Pallets or Cartons Shipped (optional)
TD5**2*scac*R	Transport Mode
TD3*BX**ABCD123456	Type of Rail Car & Rail Car Number (required for rail shipments)
REF*MB*99999	Master Bill of Lading Number (optional)
DTM*011*20071001*1405*ET	Date & Time Shipped (date required, time optional)
FOB*CC	Collect Terms on Shipment
<b>LOOP ID - HL/N1</b>	
N1*SF*ABC Widgets	Shipper's Name
N4*Smithville*NC*21345	City, State, & Zip Code (optional)
<b>LOOP ID - HL (ORDER DETAIL)</b>	
HL*2*1*O	Order Level
PRF*0*****CN	Purchase Order Number=0 and Consignment Flag=CN for Consignment ASN
REF*BM*999	Bill of Lading Number (optional)
REF*CN*99999999	Carrier's Pro Number (optional)
REF*IA*12345	Lowe's Vendor Number
DTM*067*20071002*1259*ET	Estimated Arrival Date & Time (date required, time optional)
<b>LOOP ID - HL/N1</b>	
N1*ST**94*1424	Lowe's FDC Location Receiving Product
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*3*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*4*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**72*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*5*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
CTT*5	Transaction Totals
SE*29*000000001	Transaction Set Trailer
GE*1*1	Functional Group Trailer
IEA*1*000000001	Interchange Control Trailer

## 856 BUSINESS EXAMPLES

### Business Example 13 - Original Summary ASN for Lowe's Owned Purchase Order – Rail FDC Shipment

ISA*00* *00* *qual*sender id*qual* receiver id *001001*1700*U*00400*000000001*0*P*>	Interchange Control Header
GS*SH*sender id* receiver id *20071001*1700*1*X*004010	Functional Group Control Header
ST*856*000000001	Transaction Set Header
BSN*00*999999999*20071001*1700*0004	Transaction Set Code (00=Original ASN), Shipment ID, ASN Create Date & Time, ASN HL Structure Code (0004=Summary ASN)
<b>LOOP ID - HL (SHIPMENT DETAIL)</b>	
HL*1**S	Shipment Level
TD1*PLT*3	Number of Pallets or Cartons Shipped (optional)
TD5**2*scac*R	Transport Mode
TD3*RF**ABCD123456	Type of Rail Car & Rail Car Number (required for rail shipments)
REF*MB*99999	Master Bill of Lading Number (optional)
DTM*011*20071001*1405*ET	Date & Time Shipped (date required, time optional)
FOB*CC	Collect Terms on Shipment
<b>LOOP ID - HL/N1</b>	
N1*SF*ABC Widgets	Shipper's Name
N4*Smithville*NC*21345	City, State, & Zip Code (optional)
<b>LOOP ID - HL (ORDER DETAIL)</b>	
HL*2*I*O	Order Level
PRF*999999999	Purchase Order Number (Assigned by Lowe's)
REF*BM*999	Bill of Lading Number (optional)
REF*CN*999999999	Carrier's Pro Number (optional)
REF*IA*12345	Lowe's Vendor Number
DTM*067*20071002*1259*ET	Estimated Arrival Date & Time (date required, time optional)
<b>LOOP ID - HL/N1</b>	
N1*ST**94*1424	Lowe's FDC Location Receiving Product
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*3*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*4*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**72*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*5*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
CTT*5	Transaction Totals
SE*29*000000001	Transaction Set Trailer
GE*1*I	Functional Group Trailer
IEA*1*000000001	Interchange Control Trailer



## 856 BUSINESS EXAMPLES

### Business Example 14 - Replacement Summary ASN for Lowe's Owned Purchase Order – Rail FDC Shipment

ISA*00* *00* *qual*sender id*qual* receiver id *001001*1700*U*00400*000000001*0*P*>	Interchange Control Header
GS*SH*sender id* receiver id *20071001*1700*1*X*004010	Functional Group Control Header
ST*856*000000001	Transaction Set Header
BSN*05*999999999*20071001*1700*0004	Transaction Set Code (05=Replacement ASN), Shipment ID as sent in Original ASN, ASN Create Date & Time, ASN HL Structure Code (0004=Summary ASN)
<b>LOOP ID - HL (SHIPMENT DETAIL)</b>	
HL*1**S	Shipment Level
TD1*PLT*3	Number of Pallets or Cartons Shipped (optional)
TD5**2*scac*R	Transport Mode
TD3*RF**ABCD123456	Type of Rail Car & Rail Car Number (required for rail shipments)
REF*MB*99999	Master Bill of Lading Number (optional)
DTM*011*20071001*1405*ET	Date & Time Shipped (date required, time optional)
FOB*CC	Collect Terms on Shipment
<b>LOOP ID - HL/N1</b>	
N1*SF*ABC Widgets	Shipper's Name
N4*Smithville*NC*21345	City, State, & Zip Code (optional)
<b>LOOP ID - HL (ORDER DETAIL)</b>	
HL*2*1*O	Order Level
PRF*099999999	Purchase Order Number (Assigned by Lowe's)
REF*BM*999	Bill of Lading Number (optional)
REF*CN*9999999	Carrier's Pro Number (optional)
REF*IA*12345	Lowe's Vendor Number
DTM*067*20071002*1259*ET	Estimated Arrival Date & Time (date required, time optional)
<b>LOOP ID - HL/N1</b>	
N1*ST**94*1424	Lowe's FDC Location Receiving Product
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*3*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*4*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**72*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*5*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
CTT*5	Transaction Totals
SE*29*000000001	Transaction Set Trailer
GE*1*1	Functional Group Trailer
IEA*1*000000001	Interchange Control Trailer



## 856 BUSINESS EXAMPLES

### Business Example 15 - Original Summary ASN for Lowe's Owned Purchase Order – Truck FDC Shipment

ISA*00* *00* *qual*sender id*qual* receiver id *001001*1700*U*00400*000000001*0*P*>	Interchange Control Header
GS*SH*sender id* receiver id *20071001*1700*1*X*004010	Functional Group Control Header
ST*856*000000001	Transaction Set Header
BSN*00*999999999*20071001*1700*0004	Transaction Set Code (00=Original ASN), Shipment ID, ASN Create Date & Time, ASN HL Structure Code (0004=Summary ASN)
<b>LOOP ID - HL (SHIPMENT DETAIL)</b>	
HL*1**S	Shipment Level
TD1*PLT*3	Number of Pallets or Cartons Shipped (optional)
TD5**2*scac*M	Transport Mode
REF*MB*99999	Master Bill of Lading Number (optional)
DTM*011*20071001*1405*ET	Date & Time Shipped (date required, time optional)
FOB*CC	Collect Terms on Shipment
<b>LOOP ID - HL/N1</b>	
N1*SF*ABC Widgets	Shipper's Name
N4*Smithville*NC*21345	City, State, & Zip Code (optional)
<b>LOOP ID - HL (ORDER DETAIL)</b>	
HL*2*1*O	Order Level
PRF*999999999	Purchase Order Number (Assigned by Lowe's)
REF*BM*999	Bill of Lading Number (optional)
REF*CN*99999999	Carrier's Pro Number (optional)
REF*IA*12345	Lowe's Vendor Number
DTM*067*20071002*1259*ET	Estimated Arrival Date & Time (date required, time optional)
<b>LOOP ID - HL/N1</b>	
N1*ST**94*1424	Lowe's FDC Location Receiving Product
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*3*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*4*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**72*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*5*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
CTT*5	Transaction Totals
SE*28*000000001	Transaction Set Trailer
GE*1*1	Functional Group Trailer
IEA*1*000000001	Interchange Control Trailer



## 856 BUSINESS EXAMPLES

### Business Example 16 - Replacement Summary ASN for Lowe's Owned Purchase Order – Truck FDC Shipment

ISA*00* *00* *qual*sender id*qual* receiver id *001001*1700*U*00400*000000001*0*P*>	Interchange Control Header
GS*SH*sender id* receiver id *20071001*1700*1*X*004010	Functional Group Control Header
ST*856*000000001	Transaction Set Header
BSN*05*999999999*20071001*1700*0004	Transaction Set Code (05=Replacement ASN), Shipment ID as sent in Original ASN, ASN Create Date & Time, ASN HL Structure Code (0004=Summary ASN)
<b>LOOP ID - HL (SHIPMENT DETAIL)</b>	
HL*1**S	Shipment Level
TD1*PLT*3	Number of Pallets or Cartons Shipped (optional)
TD5**2*scac*M	Transport Mode
REF*MB*99999	Master Bill of Lading Number (optional)
DTM*011*20071001*1405*ET	Date & Time Shipped (date required, time optional)
FOB*CC	Collect Terms on Shipment
<b>LOOP ID - HL/N1</b>	
N1*SF*ABC Widgets	Shipper's Name
N4*Smithville*NC*21345	City, State, & Zip Code (optional)
<b>LOOP ID - HL (ORDER DETAIL)</b>	
HL*2*1*O	Order Level
PRF*999999999	Purchase Order Number (Assigned by Lowe's)
REF*BM*999	Bill of Lading Number (optional)
REF*CN*99999999	Carrier's Pro Number (optional)
REF*IA*12345	Lowe's Vendor Number
DTM*067*20071002*1259*ET	Estimated Arrival Date & Time (date required, time optional)
<b>LOOP ID - HL/N1</b>	
N1*ST**94*1424	Lowe's FDC Location Receiving Product
<b>LOOP ID - HL (ITEM DETAIL)</b>	
HL*3*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*4*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**72*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
HL*5*2*I	Item Level
LIN**CB*999999	Lowe's Item Number
SN1**12*EA	Quantity Shipped for Lowe's Item, UOM assigned by Lowe's
CTT*5	Transaction Totals
SE*28*000000001	Transaction Set Trailer
GE*1*1	Functional Group Trailer
IEA*1*000000001	Interchange Control Trailer



## 856 BUSINESS EXAMPLES

### Business Example 17 - Early ASN Original & Replacement ASN for Consignment Purchase Order – Truck FDC Consignment Shipment Only

For Lowe's business rules on Early EDI ASNs, please refer to the FDC ASN Specifications Supplement on [www.loweslink.com](http://www.loweslink.com) under the EDI tab, EDI Specifications & Business Examples, FDC Vendors – Consignment & Stock Product. Please only use this Business Example if your organization plans on sending Early EDI ASNs for Truck Consignment Shipments.

All of the segments noted as Required in the 'Early EDI ASN' and 'Final EDI ASN' columns below are mandatory in the EDI ASN. See Lowe's EDI 856 ASN Implementation Guide for more information.

Business Example 17 - EDI 856 ASN Segments/Elements	ASN Segment Description	Early EDI ASN for Truck Consignment Only	Final EDI ASN for Shipments after Early ASN for Truck Consignment Only
ISA*00* *00* *qual*sender id*01*006097142*001001*1700*U*00400*000000001*0*P*>	Interchange Control Header	Required.	Required.
GS*SH*sender id*006097142*20071001*1700*1*X*004010	Functional Group Control Header	Required.	Required.
ST*856*000000001	Transaction Set Header	Required.	Required.
BSN*00*999999999*20071001*1700*0004	Transaction Set Code (00=Original ASN), BSN02=Consignment PO # Assigned by Vendor, ASN Create Date & Time, ASN HL Structure Code (0004=Summary ASN)	BSN-01 = 00 for Original ASN.  BSN-02 = For Consignment ASN, PO # assigned by vendor, maximum 20, alpha-numeric This value should not include the BOL #.  BSN-02 Must be unique for 2 years.	BSN-01 = 05 for Replacement ASN. BSN-02 = Match value from Original ASN.  All Replacement ASNs should always include the information for the entire shipment.
<b>LOOP ID - HL (SHIPMENT DETAIL)</b>			
HL*1**S	Shipment Level	Required.	Required.
TD1*CTN*1	Number of Pallets or Cartons Shipped	Optional.	Optional.
TD5**2*scac*M	Transport Mode	TD5-02 = 91 for Carrier Name.  TD5-03 = EARLY ASN (include this verbiage) unless the SCAC or Carrier Name is known at the time of the Early ASN.	TD5-02 = 2 for SCAC, or 91 for Carrier Name.  TD5-03 = Valid SCAC Code or Carrier Name.
TD3*CV**9999	Type of Trailer & Trailer Number – EXCLUDE for FDC truck shipments	Exclude TD3 segment for all FDC Truck shipments (including consigned and owned product)  Exclude TD3 segment for Early ASN.	Exclude TD3 segment for all FDC Truck shipments (including consigned and owned product).  Required For Rail Shipments – see 856 Specs
REF*MB*99999	Master Bill of Lading Number	Optional.	Optional.
DTM*011*20071001*1405*ET	Date & Time Shipped	Required; however, likely unknown. Please populate with estimated ship date.  Time and time zone are optional; only date is required.	Required: actual ship date.  Time and time zone are optional; only date is required.
FOB*CC	Collect Terms on Shipment	Required.	Required.

## 856 BUSINESS EXAMPLES

Business Example 17 - EDI 856 ASN Segments/Elements	ASN Segment Description	Early EDI ASN for Truck Consignment Only	Final EDI ASN for Shipments after Early ASN for Truck Consignment Only
<b>LOOP ID - HL/N1</b>			
N1*SF*ABC Widgets	Shipper's Name	Required.	Required.
N3*1532 North Main Street	Shipper's Address	Optional.	Optional.
N4*Smithville*NC*21345	Shipper's City, State, & Zip Code (optional)	Optional.	Optional.
<b>LOOP ID - HL (ORDER DETAIL)</b>			
HL*2*1*O	Order Level	Required.	Required.
PRF*0*****CN (for ASN's for only consignment shipments)	Purchase Order Number & Consignment Indicator - <i>See BSNO2 for Consignment PO #.</i>	PRF-01 = 0, PRF-07 = CN; both required.	PRF-01 = 0, PRF-07 = CN; both required.
REF*BM*999	Bill of Lading Number	Optional.	Optional.
REF*CN*9999999	Carrier's Pro Number	Optional.	Optional.
REF*IA*12345	Lowe's Vendor Number	REF*IA segment, REF-02 = vendor # assigned to FDC (use LowesLink to identify appropriate vendor #).	REF*IA segment, REF-02 = vendor # assigned to FDC (use LowesLink to identify appropriate vendor #).
DTM*067*20071002*1259*ET	Estimated Arrival Date & Time	Estimated Arrival Date Required.  Time and Time Zone – Optional.  Please note: this is for Lowe's internal reporting purposes only; please populate this date using estimated expected transit time.	Estimated Arrival Date Required.  Time and Time Zone – Optional.  Please note: this is for Lowe's internal reporting purposes only; please populate this date using estimated expected transit time.
<b>LOOP ID - HL/N1</b>			
N1*ST**94*1424	Lowe's FDC Location Number	Required.	Required.
<b>LOOP ID - HL (ITEM DETAIL)</b>			
HL*3*2*I	Item Level	Required.	Required.
LIN**CB*999999	Lowe's Item Number	Required.	Required.
SN1**12*EA	Quantity Shipped & Unit of Measure (UOM) for Lowe's Item	SN1-03 UOM = should include the lowest ship unit measurement as defined by Lowe's Merchandising;; SN1-02 Quantity should match accordingly.	SN1-03 UOM = should include the lowest ship unit measurement as defined by Lowe's Merchandising;; SN1-02 Quantity should match accordingly.
CTT*3	Transaction Totals	Required.	Required.
SE*24*000000001	Transaction Set Trailer	Required.	Required.
GE*1*1	Functional Group Trailer	Required.	Required.
IEA*1*000000001	Interchange Control Trailer	Required.	Required.