Intermodal Shipments - Roll Paper Successful Load Securement Applications

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“Crap, that’s due tomorrow ?”

Thomas Jefferson, July 3,1776

Roll Paper Intermodal Load Securement

- **Successful Applications**
  - Follow AAR Load Patterns
  - Work with Rail Carrier and Partner Supplier
- **Unitization Straps**
  - Proper Position and Quantity
  - Sufficiently Tensioned and Properly Sealed
  - Hangers Utilized (T-Hangers, Tape, Strap)
  - Tensioner Tool Maintenance
- **Rubber Friction Mat**
  - Sufficient Coverage
  - Correct Roll and Mat Placement

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Roll Paper Intermodal Load Securement

TOFC →
Trailer on Flat Car

← **COFC**
Container on Flat Car

- Clear Communication: Intermodal vs OTR
- Proper Load Balance: Lateral and Longitudinal
- Clear and Concise: Policies and Procedures
- Proper Load Securement: Explain Reasons and Risks
- Continuous Training: Train the Trainer Program

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Roll Paper Load Imbalance

SAFETY

Load Weight Balance is Critical for Safe Transit.

Terminal Handling Concerns

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Roll Paper Load Imbalance

SAFETY

Leaners

Poorly Loaded
or
Improperly
Secured

Transit
Concerns

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Roll Paper Load Imbalance

- Load Imbalanced
- 3 Points of Contact Required
- Rolls Shifted to Nose and Laterally
- Incorrect Load Pattern Followed
- Insufficient Mat Size and Coverage – OTR Application
- Unitization Strap Loose on Floor
- No Strap Hangers Utilized
- Costly Load Adjustment Required

XPOLogistics

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Roll Paper Load Imbalance

- Rear of Load Shifted Towards Nose
- 3 Points of Contact Required
- Insufficient Mat Size and Coverage – OTR Application
- Incorrect Load Pattern Followed
- Unitization Strap Loose on Floor
- No Strap Hangers Utilized
- Costly Load Adjustment Required

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Roll Paper Load Imbalance

- Load Separated and Shifted: Both Front and Rear Section
- 3 Points of Contact Required
- Insufficient Mat Size and Coverage
- Incorrect Load Pattern Followed
- Unitization Strap Loose On Roll and Out of Position
- No Strap Hangers Utilized
- Costly Load Adjustment Required

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Roll Paper Load Imbalance

Challenges Become Opportunities

- Turnover Shipping Personnel
- Train the Trainer Program
- Knowledge Share
- Ongoing Review
- Dock Audits: All Modes of Transit

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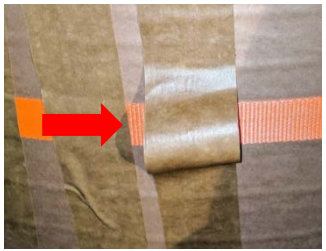
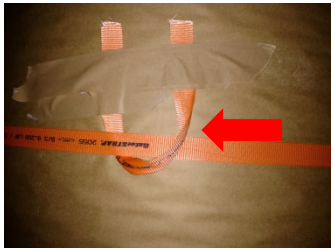
Roll Paper Strap Application

Strap Hangers Required
T-Hangers Preferred

Maintain Proper Strap Location in Transit

Secure Loose Strapping





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Roll Paper Strap Application

GIS-799 46” to 57” Diameter Roll Paper, Rubber Mats - ILG Method E-21

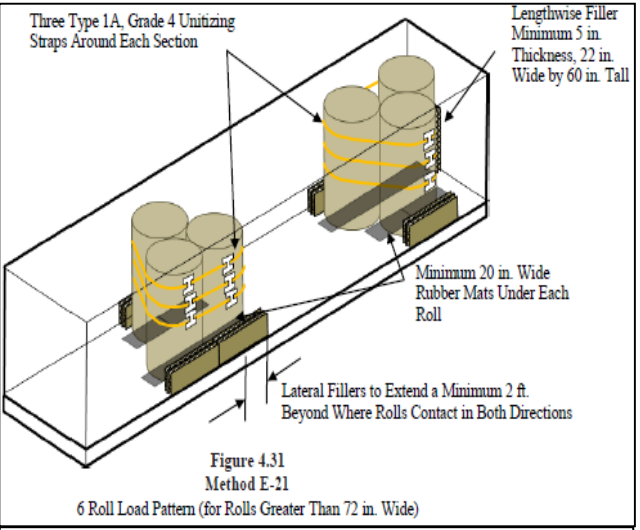

Figure 4.31
Method E-21
6 Roll Load Pattern (for Rolls Greater Than 72 in. Wide)

- Rolls 72” or Larger.
- Position 3 straps, 12”, 20” and 28” Below Top of Rolls.

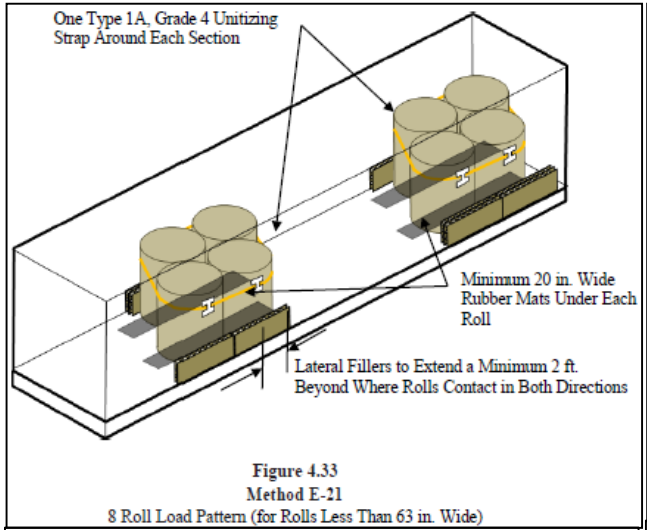

Figure 4.33
Method E-21
8 Roll Load Pattern (for Rolls Less Than 63 in. Wide)

- Roll 63” Wide or Less.
- Position 1 strap, 12” Below Top of Rolls.

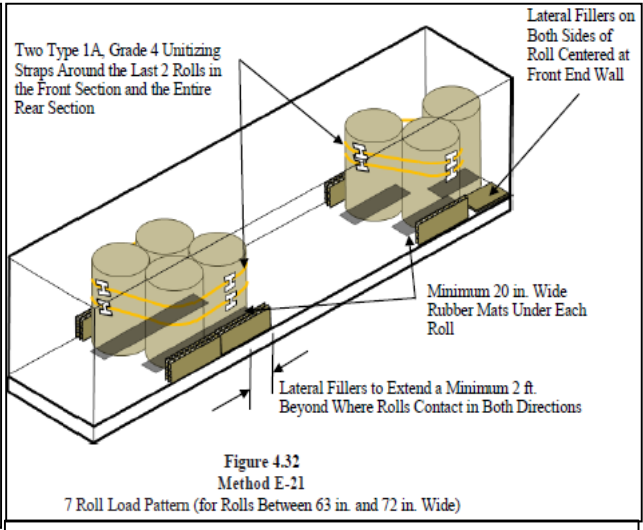

Figure 4.32
Method E-21
7 Roll Load Pattern (for Rolls Between 63 in. and 72 in. Wide)

- Rolls 64” to 72” Wide.
- Position 2 Straps, 12” and 20” Below Top of Rolls.

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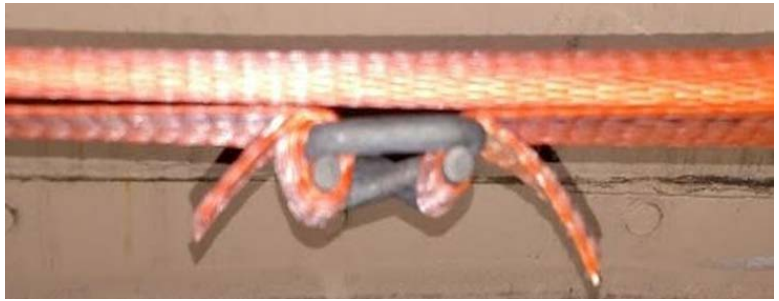
Roll Paper Strap Application



- Properly Positioned on Roll in Single Strap Applications Above Midpoint of Roll ~ 4’ Off Floor.
- Utilize AAR Double Loop to Create Anchor Side.
- Assure Strap is Square Inside Wire Buckle Prior to Tensioning and Stays in Position.
- Watch Buckle Orientation While Tensioning.
- Tighten Until Legs / Prongs of Wire Buckle Collapse

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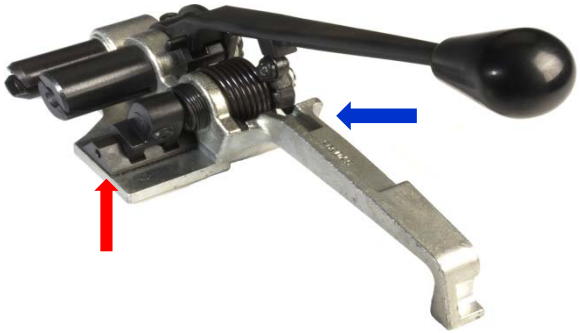
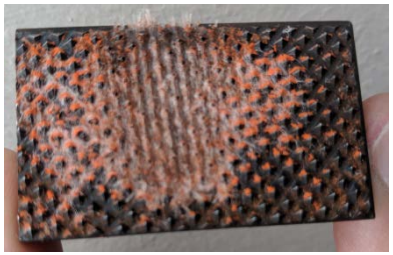
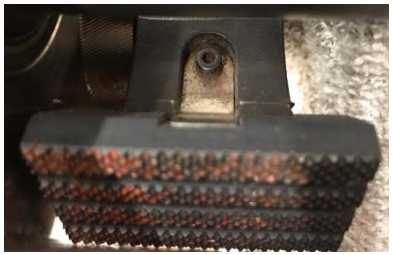
Roll Paper Strap Application

Strap Tensioner Maintenance

- Clean Gripper Foot of Strap Fiber Build-Up with Routine Maintenance Program. As Necessary if Tool Slips During Tensioning.
  - Utilize Small Diameter Wire Brushes to Clean
  - Alternatively Gripper Foot Can be Removed
- Adjust Gripper Foot Assuring Correct Set Up for Strap Utilized.







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Roll Paper Dunnage Application

- Intermodal Load Patterns of Small Diameter Roll Loads Require Lateral Dunnage Void Fillers (Method E-21).
- Void Fillers Assure Integrity of Load Pattern by Creating Required 3 Points of Contact.

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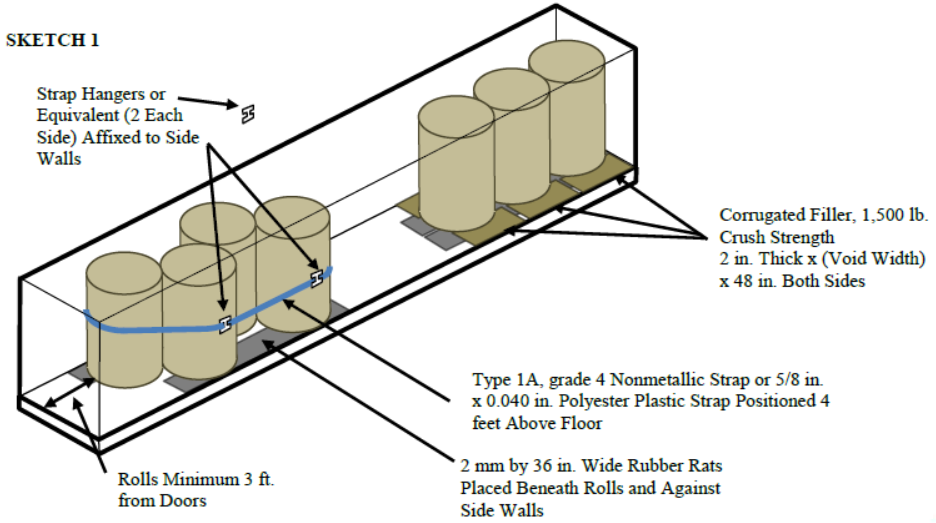
Roll Paper Dunnage Application

- Odd Roll Count Loads (5, 7, 9, etc.) Nose Roll MUST be Centered Utilizing Lateral Dunnage (Method E-18 and E-19).
- Contour Style Floor Pads Secures Roll Laterally, Design Locks Filler in Position.



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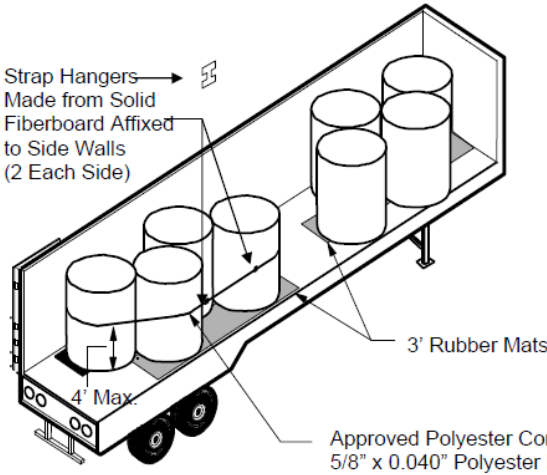
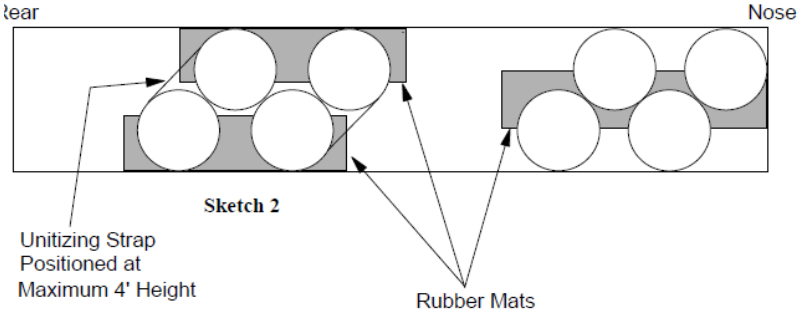
Roll Paper Friction Mat Application

Method E-18 and E-19



Sketch 1



Sketch 2

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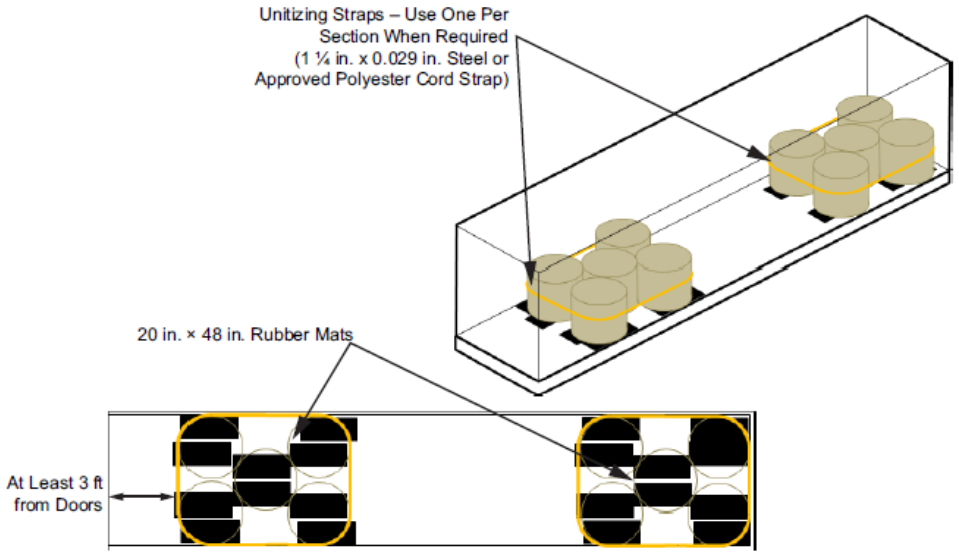
Roll Paper Friction Mat Application

Method E-20 Figure 4.29



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QUESTIONS / COMMENTS

Thank You!

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