Freight Elevator Doors and Cabs
Goods Lift Doors and Car Enclosures

Modernization and Service

GUIDE 312.V2

For: Peelle, Courion, EMS, Guilbert, Harris Preble, Otis and Security

2017
REQUEST FOR QUOTE

Modernization Guide

For projects in USA:
The Peelle Company
373 Nesconset Highway, #311
Hauppauge, New York 11788
905-846-4545 • 1-800-787-5020
FAX: 905-846-2161
E-mail: sales@peelledoor.com

For projects in Canada and Worldwide:
The Peelle Company Ltd.
195 Sandalwood Pkwy. W.
Brampton, Ontario L7A 1J6 Canada
1-905-846-4545 • 1-800-787-5020
FAX: 1-905-846-2161
E-mail: exportsales@peelledoor.com

Date: __________

CUSTOMER DATA:
Company: ____________________________
Address: ________________________________
_______________________________________
_______________________________________
Contact Person: __________________________
Phone: __________________ FAX: ____________
E-mail: ________________________________

JOB SITE DATA:
Job Name: ____________________________
Location: ________________________________
_______________________________________
_______________________________________
Elevator# ________ Building___________

Quote Needed By: ___________ Estimated Ship Date: ___________

Original Manufacturer: ☐ PEELLE (Indicate PEELLE Job number)


Car Capacity: __________ Class of Loading(A, B, C1, C2, C3): ______
Existing Hoistway Doors: Manual____ Power_____ Quantity of Openings: Front ____ Rear _____
Door Openings Size: Width_____Height______ Existing Car Gate Size: Width____ Height _____
Single-Section______ Two-Section ______

Shaft/Hoistway Conditions:
☐ NEMA 1/IP10 Normal
☐ NEMA 4/IP54/IP56 Moisture
☐ NEMA 4X/IP56 Corrosion
☐ NEMA 7/9 Explosion
☐ NEMA 12/IP52 Dust-Industrial

Control Room Conditions:
☐ NEMA 1/IP10 Normal
☐ NEMA 4/IP54/IP56 Moisture
☐ NEMA 4X/IP56 Corrosion
☐ NEMA 7/9 Explosion
☐ NEMA 12/IP52 Dust-Industrial

Power Supply: ____V, ____ PH, ____ HZ.
Quote Transformer: YES______ NO______

Peelle Job Number is located on Door Controller and on door guide rails.
Peelle Cab Enclosure Specifications

General: Furnish a complete PEELLE cab enclosure as shown on the plans. The enclosure shall have a clear opening width of __________, a clear depth of __________, and a clear height of __________. The cab enclosure shall comply with the latest Code for Elevators/Lifts (A17.1, B44, EN81). Equipment shall comply with IP10/NEMA 1 specifications unless specified for special environments.

Cab Enclosure Construction: The cab side walls shall be of not less than 2mm/14 gauge sheet steel, properly braced and reinforced. It shall be practically flush on the inside, securely and rigidly fastened. The cab top shall be of not less than 2mm/14 gauge sheet steel, so designed as to be capable of sustaining a load of 135kg on any 0.36m square area (300 lbs. on any 2 ft. square). A hinged emergency exit with an emergency exit contact shall be provided in the cab top. If bumpers are supplied, cab enclosures in excess of 3000 mm/10 ft. in width or height shall be constructed with additional support.

Lighting: Light fixtures 2-tube fluorescent 1220 mm/4 ft. long shall be provided, as required. Recessed light fixtures shall be practically flush with the cab top interior. At least two light fixtures are recommended for car platform depths greater than 2500mm/8 ft.; one light fixture for every 1250mm/4 ft. of depth. Two in-line light fixtures per door line are recommended for car platform widths greater than 2500mm/8 ft. For example, a 3000mm/10 ft. wide by 3000mm/10 ft. deep car platform should have 4 light fixtures. At least two lights, one near front and one near rear, are recommended for cars with front and rear openings.

Fixture Cutouts: All required cab enclosure fixture cutouts shall be provided by Peelle. Cutouts shall have perimeter steel angles for added strength. Fixtures shall be furnished by others.

Finish: Enclosure panels shall be given one coat of baked powder coat finish.

Car Gate/Car Door Mounting: Cab enclosure shall be arranged for mounting of Peelle car gates/car doors.
CUSTOMER NOTE: ADVISE CAR TOP OVER TRAVEL ________

GIVE SIZE OF ENCLOSURE ANGLES ______ X ______ X 3/16"

"MM" MUST EQUAL MINIMUM OF "B" PLUS 1/2 OF "B" PLUS 6". INDICATE SIDE THAT GATE COUNTERWEIGHT AND GATE CONTACT ARE LOCATED:
AS SHOWN ☐ OPPOSITE TO SHOWN ☐

GATE HEIGHT 6'-0" HIGH TYPICAL
SENSOR BEAM ASSEMBLY
OPTIONAL
NEOPRENE ASTRAGAL FLAP

ELEVATION OF CAR GATE (SINGLE-SECTION) VIEWED FROM CAR

HANDS OF ELEVATOR DOOR HARDWARE ARE DETERMINED BY STANDING IN CAR FACING DOOR.
**SECTION 1: POWER CONVERSION PACKAGE** (Page 6 – 7)
Complete Sections 4 (if need resilient astragal)

Survey Sheets Required:
- Existing Courion Sheet #6
- Existing EMS Sheet #6
- Existing Guibert Sheet #7
- Existing Harris Preble Sheet #8A (Regular) or #8B (Pass & Extended Sill)
- Existing Otis Sheet #9
- Existing Security Sheet #6

Options:
- Wiring Materials (Electrical Package)
- Strobe Light for Auto Close System

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**SECTION 2: HOISTWAY DOOR PANEL REPLACEMENT** (Page 8)
See Section 1 for Survey Sheets Required

<table>
<thead>
<tr>
<th>LANDING Number</th>
<th>Replace Upper Panel</th>
<th>Replace Lower Panel</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Door Type: Biparting:
- Regular
- Pass
- Extended Sill

Finish: Baked on Powder Coat (Standard)
- Stainless Steel Roomside Fascia
- Complete Stainless Construction

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**SECTION 3: HOISTWAY DOOR RAILS REPLACEMENT** *(EXISTING PEELLE ONLY) (PAIRS)* (Page 9)

<table>
<thead>
<tr>
<th>LANDING Number</th>
<th>Replace Lower Guide Rails</th>
<th>Replace Intermediate Guide Rails</th>
<th>Replace Upper Guide Rails</th>
<th>Replace Unit Rails</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Door Type: Biparting:
- Regular
- Pass
- Extended Sill

Rail Type:
- Formed Rail
- Build-up Rail
SECTION 4: HOISTWAY DOOR ASTRAGAL REPLACEMENT  (Page 9)
Survey Sheet #4 Required
Complete Astragal Assembly Replacement Flaps Only Side Tension Latches (Peelle only)

SECTION 5: HOISTWAY DOOR INTERLOCK REPLACEMENT  (Page 10)
Survey Sheet #5 Required  Openings Required
Interlocks Retiring Cam
Mechanical Lock and Contact Fixed Cam
Hoistway Door Unlocking Devices Side Opposite Locks

SECTION 6: ADDING COMPLETE HOISTWAY DOOR TO AN EXISTING LINE OF HOISTWAY DOORS  (Page 11)
Complete Section 2 (page 3)
Survey Sheet #1 and #2 Required For Other Manufacturers
Retiring Cam(s)
Fixed Cam
Complete Car Gate
Replacement Controller

SECTION 7: COMPLETE CAR GATE REPLACEMENT  (Page 12)
Survey Sheet #12 Required
Type:
   Single-Section (3/8 in./9mm) Two-Section (3/8 in./9mm)
   Overhead/Headroom From The Top Landing
Construction:
   1800mm/6 feet High 10 Gauge Wire Mesh (3/8 in./9mm)
   Full Car Height Solid Panel
   Hardwood Bumpers Steel Bumpers
Finish:
   Stainless Steel (Baked on Powder Coat finish is standard)
Additional Equipment:
   Enclosure Angles (Required For Replacement of Non-Peelle Gates)

SECTION 8: CAR GATE PANEL REPLACEMENT  (EXISTING PEELE OR OTIS ONLY)  (Page 13)
Complete Section 7, & 10 (if applicable)
Survey Sheet #10 Required for Otis Gate

SECTION 9: CAR GATE RAILS REPLACEMENT  (EXISTING PEELE ONLY)  (Page 13)
Quantity Required Which Line (Front or Rear)
Counterweight Side Length Counterweight Guard
Limit Side Length

Date
Job Name
PEELLE®
SURVEY SHEET #11
REVERSING EDGE SURVEY SHEET

LEFT HAND

CAR GATE
BA = PANEL WIDTH

RIGHT HAND

☐ PEELLE
☐ COURION/SECURITY
☐ GUILBERT
☐ HARRIS PREBLE
☐ OTIS

BA = ____________

DA = ____________

LA = ____________

EXISTING GATE BUMPERS BELOW GATE PANEL? YES ☐ NO ☐

NEW BOTTOM CABLE CONNECTOR

EXISTING GATE FRAME SHOWN AT LEFT

NEW REVERSING EDGE

BUMPER

CROSS SECTION OF REVERSING EDGE

DETAIL ‘A’–’A’ CIRCLE ONE
SURVEY SHEET #10
OTIS GATE PANEL REPLACEMENT SURVEY SHEET

POWER ☐ MANUAL ☐

LEFT HAND
PLATFORM

RIGHT HAND

BB = DISTANCE BETWEEN GUIDES
BA = PANEL WIDTH

HA

KA

MA = DISTANCE BETWEEN CWT. BOXES

TOP OF UPPER SHOE

TOP OF CHAIN HANGER

LIFT BAR
(MANUAL GATE)

' A'

CAR PLATFORM

EXISTING GATE BUMPERS BELOW GATE PANEL?
YES ☐ NO ☐

NOTE:
GIVE SIZE AND LENGTH OF EXISTING GATE COUNTERWEIGHT, INDICATE IF TYPICAL BOTH SIDES.

DETAIL 'A'--'A' CIRCLE ONE
SECTION 10: REOPENING DEVICE REPLACEMENT  
Reversing Edge_____ Length _______ Survey Sheet #11 Required For Other Mfg.  
Light Curtain Retrofit Kit (The Protector™)_______ (Must have AC Motors)  
Auxiliary Controller (Reopening Control) _____ (For gates without a Reopening Device)

SECTION 11A: CONTROLLER REPLACEMENT (MUST HAVE AC MOTORS)  
Single Line______ Double Line_______  
Change from Single (1940s)To Two Speed______  
Options:  
Transformer (voltage other than 208/220) ________  
Strobe Light for Auto Close System__________

SECTION 11B: CONTROLLER MODIFICATION (EXISTING PEELLE ONLY)  
Sequence Operation______  
Options:  
Reopening Device (Reversing Edge) ______  
Reopening Device (Light Curtain Retrofit Kit)______  
Reopening Devices (Edge and Curtain Kit)_______

CONTROLLER MODIFICATION (EXISTING PEELLE ONLY)  
Add Auto Close System (Auxiliary Controller)  
Options:  
Warning Buzzer (to be mounted on car)_______  
Strobe Light (to be mounted through car ceiling)______

CONTROLLER MODIFICATION (EXISTING PEELLE ONLY)  
Add Reopening Control (Auxiliary Controller)  
Options:  
Reopening Device (Reversing Edge)_______  
Reopening Device (Light Curtain Retrofit Kit)______  
Reopening Devices (Edge and Curtain Kit)_______

SECTION 12: COMPLETE CAR ENCLOSURE REPLACEMENT  
Survey Sheet #13 Required  
Options:  
Hardwood Bumpers_______ Steel Bumpers_______  
Enclosure Handrails_______ Stainless Steel Panels_______
SECTION 1
POWER CONVERSION PACKAGE

Application: To power operate or re-motorize existing freight elevator doors manufactured by Peelle, Courion, EMS, Guilbert, Harris Preble, Otis and Security. Power Conversion Package reuses the existing door panels and rails.

Non-Peelle Power doors (single speed) may be re-motorized with Power Conversion Package (two-speed), especially Guilbert, Harris Preble and Otis. Peelle Power doors (single speed 1935-1949) should be re-motorized with Power Conversion Package (two-speed). Most manual doors should be motorized with Power Conversion Package. Power doors are recommended if operated by personnel other than a trained elevator operator, such as delivery personnel, greater than 8’ 0” wide, small statured personnel and where there is a high degree of safety.

Power Conversion Package Includes:

- Door Operators (2 per door)(two-speed)
- Door Master Limit (per line)
- Door Chains and Rods
- Hangerbar Extensions (When Required)
- Door Interlocks
- Door Guide Shoes (When Required)
- Door Tension Latches or Side Opposite Locks
- Retiring Cam Assembly

NOTE: Peelle doors 1935-1949 were manufactured with single speed, not two-speed operators. Others manufacturers may supply single speed, not two-speed operators.

Optional Equipment:

- Wiring Material (Electrical Package)
- Strobe Light for Auto Close System
- Transformer (voltages other than 208/220)
- Light Curtain Retrofit Kit
- Door Resilient Astragals (when required to replace steel astragal)
- Peelle Door Controller with Sequence Operation, Fire Service (Standard in USA) and Auto Close System availability
- Complete Power Operated Car Gate, completely new, with reopening device (edge, curtain, both)
- Door Unlocking Devices (Per local code)

Benefits:

- Provides compliance with A17/B44 Codes.
- Lower cost by reusing existing panels and rails.
- Peelle power equipment improves dependability.
- Current Peelle production equipment-will be available for 50 years.

NOTE: Peelle is approved under U.L. procedure to replace equipment on other manufacturers’ freight elevator doors and maintain the existing U.L. fire rating label.

Survey Sheets Required:

- No Survey Sheet Required for Existing Peelle Equipment (Job Number must be provided).
- May use Sheet 8A or 8B.
- Factory Performed Field Surveys available at an additional cost.
- Information Required for Other Manufacturers: Sheet #1 and
  - Existing Courion.... Sheet #6
  - Existing EMS.... Sheet #6
  - Existing Guilbert.... Sheet #7
  - Existing Harris Preble.... Sheet #8A (Regular) or #8B (Pass & Extended Sill)
SURVEY SHEET #8B
PEELLE OR HARRIS PREBLE (PASS TYPE/EXTENDED SILL) DOOR SURVEY SHEET

POWER ❑ MANUAL ❑

LEFT HAND

RIGHT HAND

INDICATE VISION PANEL LOCATION
A = DOOR WIDTH
B = DOOR HEIGHT

NOTE:
INDICATE LANDING P/B LOCATION

GIVE UPPER PANEL HEIGHT
GIVE LOWER PANEL HEIGHT

EXTENDED SILL DOORS AT:
PASS TYPE DOORS AT:

STEEL PLATE ❑ WOOD CORE ❑

IF PEELLE, JOB NO. __________

NOTE:
HANDS OF ELEVATOR DOOR HARDWARE ARE
DETERMINED BY STANDING IN CAR FACING DOOR.

FLOOR
A
B
C
D
E
F
G
H
I
P
QL
QU
R
S
T
U
W
Z
AA
BB
FP

V
SHEAVE DIAMETER
X
MAIN RAIL SIZE
Y
GUIDE RAIL SIZE
DD
SHOE TYPE (GIVE SKETCH)
EE
TYPE & HAND OF INTERLOCKS ❑ LH ❑ RH
(HAND DETERMINED STANDING ON CAR FACING DOOR)
FF
CHAIN ROD LENGTH
GG
CHAIN TYPE & SIZE ❑ LEAF ❑ ROLLER
HH
CHAIN HANGER TYPE (GIVE SKETCH)
II
CENTER LATCH ON ❑ UPPER ❑ LOWER PANEL
JJ
ROOM SIDE LEVER ❑ YES ❑ NO
TT
TRUCKING SILL SIZE
UU
DOOR FRAME ANGLE SIZE
VV
WW
SECTION 1
POWER CONVERSION PACKAGE

FOR EACH DOOR (reuse panel and rails)
1. Peelle door operators (2)
2. Peelle door chains (2 sets)
3. Peelle chain rods (2)
4. Peelle hangerbar extensions (2)
5. Peelle interlock (door locking device)
6. Peelle guide shoes (4 per panel)
7. Peelle resilient astragal (cushion strip)
8. Peelle tension latches
Option: Peelle Wiring Package

FOR EACH LINE OF DOORS
• Peelle power controller for door/gate
• Peelle power operated car gate, furnished completely new, with reopening device (edge, curtain, or both)
• Peelle retiring cam
• Peelle door unlocking devices (per local code)
• Options: Auto Close System with Buzzer, Strobe Light for Auto Close System, Transformer, Bumpers for Car Gate
• Master Limit Arrangement

EACH GATE (complete new)
1. Gate operator
2. Gate Idler
3. Gate chains (2 sets)
4. Gate contact
5. Guide shoes (4 per panel)
6. Reversing Edge, or Curtain, or both
7. Gate panel
8. Gate counterweight
9. Counterweight guard
10. Gate rails
SECTION 2
HOISTWAY DOOR PANEL REPLACEMENT

Application: To replace existing hoistway door panels manufactured by Peelle, Courion, EMS, Guilbert, Harris Preble, Otis and Security.

Door Panel Replacement Includes:

- Door Panel(s), steel plate construction (F10S)
- Guide Shoes
- Vision Panel
- Baked on Powder Coat Finish
- Resilient Astragal (Upper Panel)
- Fire Lintel (Pass Type Upper Panel)
- Trucking Sill (Lower Panel)

Door Panel Available:

- Upper Panel
- Lower Panel
- Both Upper Panel and Lower Panel (One Pair)

Optional Finish:

- Stainless Steel Roomside Add-on Fascia
- Complete Stainless Steel Construction (for special environment)

NOTES:

(a) Peelle is approved under U.L. procedure to replace panels on other manufacturers’ freight elevator doors and maintain the existing U.L. fire rating label. For example Peelle supplies UL labeled door panel replacements compatible with Otis UL doors to comply with A17.1 Code Rule 2.11.15 (was 110.15). Replacing an Otis panel with a panel that is not manufactured by Peelle may void the UL label.

(b) If loads on car exceed car load rating, the load rating of existing door panels and door rails may be exceeded. Contact Peelle Modernization Sales for additional information.

Benefits:

- Provides compliance with A17/B44 Codes.
- Expedited shipments available
- Lower cost by reusing existing rails

Survey Sheets Required:

- No Survey Sheet Required For Existing Peelle Equipment (Job Number must be provided). May use Sheet 8A or 8B.
- Factory Performed Field Surveys at an additional cost.
- Information Required for Other Manufacturers:

  Existing Courion.... Sheet #6
  Existing EMS..... Sheet #6
  Existing Guilbert..... Sheet #7 Expedited
  Existing Harris Preble.... Sheet #8A (Regular) or #8B (Pass & Extended Sill)
  Existing Otis.... Sheet #9
  Existing Security.... Sheet #6
**SURVEY SHEET #8A**

**PEELLE OR HARRIS PREBLE (REGULAR DOOR) SURVEY SHEET**

- [ ] **POWER**
- [ ] **MANUAL**

**NOTE:**
- Indicate landing P/B location
- Indicate vision panel location

### Section 2

**AA** - Inside dim. between shoe angles

**BB** - Distance between guides

**NOTE:** (For replacement panels)
- Give upper panel height
- Give lower panel height

- [ ] Steel plate
- [ ] Wood core

**IF PEELLE, JOB NO.**

**SHEAVE LOCATION**

<table>
<thead>
<tr>
<th>FLOOR</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
<th>P</th>
<th>QU</th>
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</table>

<table>
<thead>
<tr>
<th>V</th>
<th>Sheave diameter</th>
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</table>

<table>
<thead>
<tr>
<th>X</th>
<th>Main rail size</th>
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<table>
<thead>
<tr>
<th>Y</th>
<th>Guide rail size</th>
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<td></td>
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</table>

<table>
<thead>
<tr>
<th>DD</th>
<th>Shoe type (Give sketch)</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EE</th>
<th>Type &amp; hand of interlocks</th>
<th>LH</th>
<th>RH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Hand determined standing on car facing door)</td>
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<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>FF</th>
<th>Chain rod length</th>
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<td>WW</td>
</tr>
</tbody>
</table>

- SHEAVE DIA: [ ]
- CHAIN TYP & SZ: [ ]
- LEAF [ ] ROLLER [ ]
- MAIN RAIL SZ: [ ]
- CHAIN HANGER TYP (GIVE SKETCH): [ ]
- GUIDE RAIL SIZE: [ ]
- CENTER LATCH ON: [ ]
- UPPER [ ] LOWER PANEL [ ]
- SHOE TYP (GIVE SKETCH): [ ]
- ROOM SIDE LEVER YES: [ ] NO: [ ]
- TYPE & HAND OF INTERLOCKS: [ ] LH [ ] RH [ ]
- TRUCKING SILL SIZE: [ ]
- DOOR FRAME ANGLE SIZE: [ ]
- FRAME ANGLE: [ ]
- VV [ ]
SURVEY SHEET #7
GUILBERT DOOR SURVEY SHEET

LEFT HAND

RIGHT HAND

POWER □ MANUAL □

NOTE:
INDICATE VISION PANEL LOCATION
A = DOOR WIDTH
B = DOOR HEIGHT

INDICATE LANDING P/B LOCATION

SECTIO N 3

H O I S T W A Y D O O R R A I L S R E P L A C E M E N T

VERIFIED

3 1/4"

1 1/4"

8 1/8"

3 5/16"

3/16" FORMED RAIL

3/16"

2 1/8"

1 1/2"

8 1/8"

REGULAR SETTING

PASS DOOR SETTING

NOTE:
HANDS OF ELEVATOR DOOR HARDWARE ARE DETERMINED BY STANDING IN CAR FACING DOOR.

FLOOR A B C CA D E F G H I Q S T U W AA BB VV WW FP

DD SHOE TYPE (GIVE SKETCH) HH CHAIN HANGER TYPE (GIVE SKETCH)
EE TYPE & HAND OF INTERLOCKS □ LH □ RH □ CENTER LATCH ON □ UPPER □ LOWER PANEL
(HAND DETERMINED STANDING IN CAR FACING DOOR)
JJ ROOM SIDE LEVER □ YES □ NO
FF CHAIN ROD LENGTH TT TRUCKING SILL SIZE
GG CHAIN TYPE & SIZE □ LEAF □ ROLLER UU DOOR FRAME ANGLE SIZE
SECTION 3

HOISTWAY DOOR RAILS REPLACEMENT

Application: To replace existing hoistway door rails manufactured by Peelle.

Door Rail Replacement Includes:

- Pair of Door Rails (A,B,C,D)
- Rail Mounting Angles (to mount rail to wall)
- Rail Stops
- Interlock Plugging Device
- Mounting Bolts

Rail Pairs Available:

- Lower Guide Rails
- Intermediate Guide Rails
- Upper Guide Rails
- Unit Rails

NOTES:
(a) See Survey Sheet 3 for illustrations of lower, intermediate, upper, and unit rails.
(b) Single rail (left hand or right hand) available upon request. Hand determined standing on car facing door.

Survey Sheets Required:

- No Survey Sheet Required for Existing Peelle Equipment (Job Number must be provided).
- May use Survey Sheet 3.

SECTION 4

HOISTWAY DOOR ASTRAGAL REPLACEMENT

Application: To replace existing steel astragal with resilient astragal conforming to A17/B44 Codes. For doors manufactured by Peelle, Courion, EMS, Guilbert, Harris Preble, Otis and Security.

Astragal Replacement Includes:

- Resilient Astragal (includes mounting channel)
- Dual Side Tension Latches (Peelle only)
- Double Bar Center Latches (manual doors, where applicable)
- Door Balancing Weights
- Mounting Hardware

Benefits:

- Improves system safety
- Removes door shearing hazard
- Provides compliance with A17.3 Code (requires removal of overlapping steel astragals and removal of center-hook-latches).

NOTES:
(a) Peelle is approved under U.L. procedure to replace resilient astragals on other manufacturers’ freight elevator doors and maintain the existing U.L. fire rating label.
(b) Peelle doors prior to 1955 were manufactured with steel astragals.
(c) Type and condition of original interlock should be checked and replaced if needed.
(d) For doors over 3000mm/10 feet wide, a Side Opposite Lock is recommended to ensure a locked closed position.

Survey Sheets Required:

- No Survey Sheet Required for Existing Peelle Equipment (Job Number must be provided)
- Information Required for Other Manufacturers... Sheet 4
SECTION 5

HOISTWAY DOOR INTERLOCK REPLACEMENT

Application: To replace existing hoistway door locks with interlocks conforming to A17/B44 Codes for:

- **Power** doors by Peelle.
- **Manual** doors by Peelle, Courion, EMS, Guilbert, Harris Preble, Otis and Security.

When replacing Interlocks, all Interlocks on the same line must be of the same type.

Interlock Replacement Includes:

- New UL/CSA Approved Hoistway Door Peelle Interlocks with upper panel locking, lower panel locking, and tamper resistant Interlock plugging
- Retiring Cams

**NOTE:** Interlock plugging prevents door-closed contact from being made when door is open. Required by code.

Optional Equipment:

- Interlock Equipment for NEMA 4/IP54/56 (Moisture); 4X/IP56 (Corrosion); 7 & 9 (Explosion); 12/IP52 (Dust)
- Side Opposite Lock for doors over 3000mm/10 feet wide to ensure closed position (doors prior to 1989 did not have Side Opposite Locks)

**NOTE:** When replacing Interlocks, Door Guide Shoes must be in proper working condition.

Benefits:

- Provides compliance with A17/B44 Codes (requires approved interlocks).
- Upper Panel Locking as required by A17.1 Code.
- Tamper resistant Interlock Plugging as required by A17.1 Code.
- Eliminates center-hook-latch as required by A17.3 Code.

**NOTES:**

(a) Peelle is approved under U.L. procedure to replace interlocks on other manufacturers’ freight elevator doors and maintain the existing U.L. fire rating label.
(b) Peelle Interlocks: (I) Prior to 1955 did not have tamper resistant Interlock Plugging; (II) Prior to 1977 did not have Upper Panel Locking; (III) Prior to 1989 did not have Side Opposite Locks.

Survey Sheets Required:

- No Survey Sheet Required for Existing Peelle Equipment (Job Number must be provided)
- Factory Performed Field Surveys available at an additional cost.
- Information Required for Other Manufacturers... Sheet 5
SURVEY SHEET #6
COURION / SECURITY OR EMS DOOR SURVEY SHEET

LEFT HAND:

A = DOOR WIDTH
B = DOOR HEIGHT

INDICATE VISION PANEL LOCATION:

CAR LAP
AA = INSIDE DIM. BETWEEN SHOE ANGLES
BB = DISTANCE BETWEEN GUIDES

REGULAR SETTING:
FP T WW

HANGERBAR
PASS SETTING

NOTE: (FOR REPLACEMENT PANELS)
GIVE UPPER PANEL HEIGHT
GIVE LOWER PANEL HEIGHT

REG DOORS AT:_____________________
PASS DOORS AT:_____________________

NOTE:
STEEL PLATE
WOOD CORE

HANDS OF ELEVATOR DOOR HARDWARE ARE DETERMINED BY STANDING IN CAR FACING DOOR.

FLOOR A B C CA D E F G H I P QU R S T U W AA BB VV WW FP

X MAIN RAIL SIZE
Y GUIDE RAIL SIZE
DD SHOE TYPE (GIVE SKETCH)
EE TYPE & HAND OF INTERLOCKS [LH] [RH]
(Hand determined standing on car facing door)
FF CHAIN ROD LENGTH AND METOR

GG CHAIN TYPE & SIZE [LEAF] [ROLLER]
HH CHAIN HANGER TYPE (GIVE SKETCH)
II CENTER LATCH ON [UPPER] [LOWER PANEL]
JJ ROOM SIDE LEVER [YES] [NO]
TT TRUCKING SILL SIZE
UU DOOR FRAME ANGLE SIZE
SECTION 6
ADDING COMPLETE HOISTWAY DOOR TO AN EXISTING LINE OF HOISTWAY DOORS

Application: To provide a complete hoistway door assembly to an existing line of doors.

Adding a Complete Hoistway Door Includes:

- Complete Hoistway Door, which includes panels, rails, shoes, door interlock, astragal, vision panel and sheaves
- Unlocking Devices (Per local code)
- Side Opposite Lock for door over 3000mm/10 feet wide
- Power door also includes hoistway door operators, door limit; and Auxiliary controller (if required)

NOTE:
A separate Auxiliary Controller to operate the Peelle power door is required for: (a) existing Controller other than Peelle, or (b) some existing Peelle Controllers.

Optional Equipment:

- Retiring Cam
- Fixed Cam
- Complete Car Gate Replacement
- Replacement Controller to operate the complete power door and car gate system

NOTE:
Peelle Controllers prior to 1969 should be upgraded by a completely new Peelle Controller Replacement (see Section 11, page 15).

Benefits:

- Provides compliance with A17/B44 Codes Rule 8.7.2.10.3 (was 1201.10c).
- Adding a door doesn’t require ripout of the entire line of doors
- Provides value to the building owner
- Improves building investments

Survey Sheets Required:

- No Survey Sheet Required for Existing Peelle Equipment (Job Number must be provided)
- Factory Performed Field Surveys available at an additional cost.
- Information Required for Other Manufacturers... Sheets #1 & 2
SECTION 7
COMPLETE CAR GATE REPLACEMENT

Application: To replace existing manual or power car gates manufactured by Peelle, Courion, EMS, Guilbert, Harris Preble, Otis and Security.

Available Designs:

- Manual Operation with Pull Strap
- Power Operation Two-Speed
- Single-Section-Solid Panel or Wire Mesh
- Two-Section-Solid Panel or Wire Mesh
- 1800mm/6 feet High or Full-Height-of-Car-Enclosure

Complete Car Gate Replacement Includes:

- Gate Panel(s) (3/8 in./9mm)
- Guide Shoes
- Pull Strap (Manual Operation)
- Counterweight(s) and Guard(s)
- Gate Chains
- Gate Rails
- Baked on Powder Coat Finish
- Gate Operator (Power Operation)
- Gate Limit (Power Operation)
- Auxiliary Gate Controller (required when the existing power gate is other than Peelle)
- Peelle Light Curtain, Reversing Edge, or both.

Optional Equipment:

- Bumpers, Hardwood or Steel
- Stainless Steel Construction
- Passenger Lift Package
  - Solid Panel Car Gate
  - Light Curtain (non-contact)
  - Reversing Edge (contact)
  - 600 RPM Gate Motor
  - Safety Operation Labels
  - Auto Open and Auto Close
  - Full Height Gate Panel
- Removeable/Replaceable Lower 2'0” Panel
- Retail Lift Designed with Flush Lower Half (Reduces Shopping Cart Capture)

Benefits:

- Improve Gate System Safety
- Provide Value to the Building Owner
- Improve Building Investment

Additional Equipment:

- Enclosure Angles (required for replacement of non-Peelle gates)

Survey Sheets Required:

- No Survey Sheet Required for Existing Peelle Equipment (Job Number must be provided)
- Factory Performed Field Surveys available at an additional cost.
- Information Required for Other Manufacturers... Sheet 12
SURVEY SHEET #4
ASTRAGAL SURVEY SHEET

POWER

MANUAL

DOOR MANUFACTURER:

(CHECK ONE)

☐ PEELLE
☐ COURION/SECURITY
☐ GUILBERT
☐ HARRIS PREBLE
☐ OTIS

DIMENSIONS

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NOTE: DIM. 'S', 'T', 'U', 'P', 'EE', 'UU', 'X', 'Y' & "YY" ONLY REQUIRED WHEN PEELLE SIDE TENSION LATCHING IS REQUIRED.

HANDS OF ELEVATOR DOOR HARDWARE ARE DETERMINED BY STANDING IN CAR FACING DOOR.

GIVE DESCRIPTION OF EXISTING ASTRAGAL
GIVE DESCRIPTION OF TYPE OF CHAIN

ALTERNATE
(CROSS OUT ONE)

2 1/2" ASTRAGAL FOR WOOD CORE DOORS

NOTE: SHAD ED ITEMS ARE NEW ITEMS BY PEELLE

2 1/2" ASTRAGAL FOR STEEL PLATE DOORS
SURVEY SHEET #3
HOISTWAY DOOR RAIL SURVEY SHEET
(PEELLE ONLY)

UNIT RAIL
UPPER RAIL
INTERMED. RAIL
LOWER RAIL
LINE "A" FRONT
LINE "C" REAR

VERTICAL SECTION

HANGERBAR ON DOOR
SILL
STOP
RAIL

SILL STOP LOCATION AT EACH FLOOR
RH SHOWN
LH OPPOSITE TO SHOWN

FLOOR P ZA

RAIL TYPE A
LEFT HAND SHOWN
INDICATE RAIL SIZE
INDICATE GUIDE SIZE

RAIL TYPE B
LEFT HAND SHOWN
INDICATE RAIL SIZE
INDICATE GUIDE SIZE

RAIL TYPE C
LEFT HAND SHOWN
INDICATE RAIL SIZE

RAIL TYPE D
LEFT HAND SHOWN
INDICATE GUIDE SIZE

HANDS OF ELEVATOR DOOR HARDWARE ARE DETERMINED BY STANDING IN CAR FACING DOOR.

INDICATE RAIL TYPE AND SIZES BELOW IF RAIL TYPE NOT SHOWN PROVIDE SKETCH
SECTION 8
CAR GATE PANEL REPLACEMENT

Application: To replace existing gate panels for car gates manufactured by Peelle or Otis.

Gate Panel Replacement Includes:

- Gate Panel: 10-gauge wire mesh construction (standard gate height is 1800mm/6 feet) (3/8 in./9mm design)
- Guide Shoes
- Pull Strap (Manual Operation)
- Baked Powder Coat Finish
- Mechanical Reversing Edge (Power Operation)
- Light Curtain Retrofit Kit (Power Operation)
- Auxiliary control (when required to incorporate reopening control for the existing Peelle door/gate controller)
- Auxiliary Gate Controller (required when the existing power gate is other than Peelle)

NOTE: When replacing an existing Gate Panel, altering the construction will change the gate panel weight/counterweight relationship and a new gate counterweight is usually supplied. New gate chains are required.

Optional Equipment:

- Bumpers, Hardwood or Steel
- Stainless Steel Construction
- Removeable/Replaceable Lower 2’0” Panel
- Retail Lift Designed with Flush Lower Half (Reduces Shopping Cart Capture)

Benefits

- Lower Cost by Reusing Existing Rails
- Expedited Shipments Available

Survey Sheets Required:

- No Survey Sheet Required for Existing Peelle Equipment (Job Number must be provided)
- Existing Otis Gates... Sheet 10

SECTION 9
CAR GATE RAILS REPLACEMENT

Application: To replace existing gate rails for car gates manufactured by Peelle.

Available Gate Rail Types:

- Counterweight Side Gate Rail with counterweight track and mounting hardware; with or without optional counterweight guard upgrade
- Limit Side Gate Rail with mounting hardware (reuse existing limit)

Survey Sheets Required:

- No Survey Sheet Required for Existing Peelle Equipment (Job Number must be provided)
SECTION 10
REOPENING DEVICE REPLACEMENT

Application: To provide or replace the reopening device for existing power car gates manufactured by Peelle, Courion, EMS, Guilbert, Harris Preble, Otis and Security.

Reversing Edge

Design:
• Vinyl covered with electric contact strip for NEMA 1, 4, 4X, 12/IP10, 52, 54
• Vinyl covered with pneumatic activation for NEMA 7 and 9

Reversing Edge Replacement Includes:
• Reversing Edge; with retaining strips and hardware (give length or job number)

Optional Equipment:
• Auxiliary Controller (add Reopening Control) (For Gates without a Reopening Device)

Benefits:
• Car gate and hoistway door will reopen when an obstruction is detected by the edge.

Survey Sheets Required:
• No Survey Sheet Required for Existing Peelle Equipment (Job Number must be provided)
• Information Required for Other Manufacturers.... Sheet 11

NOTE: For car gates prior to 1969, adding a reopening device requires complete car gate replacement (refer to Section 7).

4699 Light Curtain Retrofit Kit (The Protector™)

Design:
• Light Curtain Retrofit Kit (The Protector™) (cascade) designed for vertically sliding car gates. Nema 1,4

Reopening Device Kit Includes:
• Two arrays, power cords, power supply, retrofit hardware and instructions.

NOTE: The kit needs either 2 or 4 spare wires of the elevator travel cable.

Optional Equipment:
• Auxiliary Controller (add Reopening Control) (For gates without a reopening device)

Benefits:
• Light curtain (cascade) is mounted inside the gate track. No need to make modifications to the cab. The Detection beams are directly adjacent to the traveling gate panel to provide ultimate protection during closing. The light curtain will ignore the car gate as it closes (cascades) past the system sensors.
• Car gate and hoistway door, while in the open position, will not move when an obstruction is detected by the light curtain.
• Car gate and hoistway door, while closing, will reopen when an obstruction is detected by the light curtain.

Survey Sheets Required:
• See Guide 222 for Space Requirements
• Peelle Job Number Required
IMPORTANT:
Give size & location of any obstructions on both sides of the car.

PLAN OF SHAFT

FLOOR | A | D | E | F | G | H | I | CC | J | K | L | M | N | O | FP
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---

VOLTAGE
CAPACITY
CLASS LOADING
INDICATE LOCATION OF CAR AND LANDING STATIONS

HANDS OF ELEVATOR DOOR HARDWARE ARE DETERMINED BY STANDING IN CAR FACING DOOR.
SECTION 11A
CONTROLLER REPLACEMENT WITH NEW PLC


Controller Replacement Includes:

- Fire Service, Phase I and II (requires some hoistway wiring changes for jobs 1950–1969)
- Auto Close (requires Warning Buzzer and Reopening Control – both are included)
- Auto Close Warning Buzzer (requires mounting this Warning Buzzer on car)
- Reopening Control of car gate and hoistway door by Reopening Device (requires Reopening Device)
- Reverse Phase protection
- Continuous Close or Momentary Pressure Close
- PLC Controller (current Peelle production)
- Instruction sheets

Optional Equipment:

- Transformers for 3-phase AC 50/60Hz power supplies other than 220 volt
- Door Stop Button (by others)
- Strobe Light

Benefits (will easily replace most existing Peelle Controllers):

- Equal or improved door operation
- Wire terminal numbers on controller are the same as original controller (if original elevator controller remains as is)
- Auto Close is user selectable (on/off)
- Controller interface is user selectable (standard/slave)
- No proprietary service tool required
- Controller Replacement cost is less than a few motor replacements. Better motor protection is provided.
- Fire Service, Phase I and II – To meet local code requirements.
- Auto Close System – Hoistway Door and Car Gate will automatically close after a pre-determined period of time or in response to remote initiation. Eliminates need for elevator operator to close door.
- Sequence Operation – For safety, to prevent attempted entry or egress too early:
  Close Direction: Car gate closes 2/3 before hoistway door starts to close.
  Open Direction: Hoistway door opens 2/3 before car gate starts to open.
- Two-Speed Operation – Eliminates slams and door bounce when closing. Shutdowns can occur if the door bounces open.
- Automatic Stay Open – Keeps the hoistway door open if rebounding occurs when loading or unloading the car.

SECTION 11B
EXISTING CONTROLLER MODIFICATION

Controller Modification (Existing Peelle Only)

- Modify Controller from Simultaneous to Sequence Operation (requires Reopening Device)
- Add Auto Close System (Auxiliary Controller) (requires car-mounted Warning Buzzer)
- Add Reopening Control (Auxiliary Controller) (requires Reopening Device such as Light Curtain)

Survey Sheets Required:

- No Survey Sheet Required for Existing Peelle Equipment (Job Number must be provided)
- Factory Performed Field Surveys available at an additional cost

PEELLE
MODERNIZATION GUIDE 312.V2
### Application
To replace existing freight cab (car) enclosure.

### Complete Cab Enclosure Replacement Includes:
- Side Panels of #14/2mm Gauge Construction
- Top Panels – heavy duty design
- Flush mounted Fluorescent Light Fixtures
- Hinged Emergency Exit Panel with Electric Contact
- Car Operating Station (COP) Cutouts
- Stile Mounting Brackets
- Car-to-Frame Anti-Sway Stabilizers
- Baked on Powder Coat Finish RAL 7010
- Mounting Carriage Bolts (one size diameter, two different lengths)

### Optional Equipment:
- Enclosure Bumpers, Hardwood or Steel
- Enclosure Handrails
- Stainless Steel Panels, #4 Finish
- Car top handrails
- Handrails
- Protective Pads and Hooks
- Auto Lift Package
  - Bumpers (wood or steel)
  - Floor Curb
  - Exhaust Fan
  - Stop & Go Lights

### Benefits:
- Easy installation— entirely from inside the car
- Sturdy design allows mechanics to work on top of the cab
- Steel canopy over light fixtures for added protection when working on top of car
- COP cutout reinforcements for strength

### Survey Sheets Required:
- Information Required... Sheet 13
- Factory Performed Field Surveys available at an additional cost.

### Also Available:
- Spare Parts Kit
  - # Part Number 060032
- Installation Tools Kit
  - # Part Number 060040
- Consumables Kit
  - # Part Number 060086
- Safety Labels
  - # Part Number 060045
Code Required Upgrades (ASME A17.3 partial list)

Code 1. Add Peelle #0354 Side Opposite Lock to lock the side of door opposite the interlock. For doors before 1989 over 3000mm/10 feet wide. Requires cam on car. May require shoe replacements, refer to Safety 2 below.


Code 3. Replace missing or worn Peelle #06781 Fire Lintel on Pass type doors.

Code 4. Replace oversize vision panels with standard size Peelle Vision Panels, grills and filler plates. For some doors before 1950. If a persons head can fit through vision panel, vision panel size should be reduced. Recommend grills on all vision panels.


Code 6. Add Peelle #23561 Tamper Resistant Plugging Device to prevent activation of door interlock close contact when door is open. For doors before 1955.

Code 7. Add a completely new Peelle Controller Replacement with Fire Service when Fire Service is added to elevator. Refer to Modernization Guide 312 Section 11.

Code 8. Replace Double Section Gate Panels. New gate panels have tightly weaved 3/8 rectangular wire mesh.

Safety Upgrades (partial list)

Safety 1. Upgrade Door Stops with Peelle #0420. For doors before 1950. For smoother trucking across door sill.

Safety 2. Replace Landing Door Shoes to eliminate excessive play that causes improper door locking.

Safety 3. Upgrade Unlocking Devices with Peelle #2380 that has an electric contact which when activated disables power door operation. For power doors. For unlocking devices before 1973.


Safety 5. Reposition Car Gate Contact upward out of reach of persons inside car with Peelle #2342, #234200 and #234201. For car gates before 1960.

**Parts Availability**

The Peelle Company supplies parts for its doors, manufactured from 1950 to present, in a quick and orderly fashion. Parts that have been replaced / substituted with another Peelle part are listed in Peelle Manual 2007.

**Job Number**

Look on the door controller or on the door guide rails for the Peelle number. The first two left hand digits, of the six or seven digit number, is the year of manufacture.

**Hands Viewed**

Hands (Left Hand & Right Hand) of door / gate hardware are determined standing on car facing door. THIS IS DIFFERENT FROM PASSENGER ELEVATORS AND DUMBWAITERS. If hand is required, determine left or right.

**Wiring Diagrams, etc**

Wiring Diagrams / job – available Wiring diagrams are required in the machine room.
201 Sequence of Operation Manuals available
204 Maintenance
205 Modernization
312 Modernization Guide

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**PARTS DISTRIBUTORS**

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Chicago & Midwest
*Quality Elevator Products, Inc.*
1-800-222-3688

West Coast
*CED Long Beach*
1-800-266-0908

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**The Right Fit**

Always use Genuine Peelle Replacement Parts – Peelle Parts are code compliant per A17.1 latest edition.