

CRL Hand Rails Online

Instructions - GRS Glass Rail System



CRL introduces the newest member to our family of online programs. **CRL Hand Rails Online** will allow you to create standard and custom railings to enhance your overall railing production. You have the option to view 2D and 3D generated layouts. Once you construct your layout it's as easy as 1-2-3 to get a quote, print your design, installation pages, and a hardware list.

Key Points:

- Design and Layout Software Tailored for Professionals Doing Handrails, Guardrails, Glass Balustrades, and Windscreen Applications
- Innovative Web-based Program Will Create Layouts, Material/Parts Lists, and Material Cut Sizes
- No Need to Install Additional Software on Your Computer
- Six Easy Steps to Design a Railing System
- Quick Estimates and Orders Can Be Placed Right From the Program
- Continual Upgrades Allow You to Operate Program Without Having to Install Upgrade Packages
- Program Can Be Customized to Fit Your Needs

A) The opening screen allows you to start a new railing. Select **New Railing** located on the lower right corner of the screen. Then enter your job name, job number, customer name, railing location, quantity, and purchase order. Once the requested information is complete click on **View Railing** to start generating your layout.

Job Information Selection:

| Job Name | Customer | Location | Quantity | Purchase Order # | Date Entered | Status | Job Number | Balustrade | Quote/Sales # |
|--|------------------------------------|---------------------|----------|------------------|--------------|--------|------------|----------------------------------|---------------|
| BALCONY RAIL | TEST GLASS CO | D38 - Ana Lira | 1 | 11/14/2008 | Waiting | | | 11 w/8 Base Shoe w/ Top Cap w/ | |
| 1st Floor Balcony | AJUD00423A B S ALLUMINIUM SHOPFRON | Q01 - Nathan Ungaro | 1 | 11/14/2008 | Waiting | | | 8 w/8 Base Shoe w/ Top Cap N/C | |
| net | | | 1 | 11/13/2008 | Waiting | | | 4 w/8 Base Shoe w/ Top Cap N/C | |
| SOC | Brother's Glass & Glazing | D79 - Bruce Dalton | 1 | 11/13/2008 | Waiting | | | 14 w/8 Base Shoe w/ Top Cap N/C | 348875 |
| HLM | Darryl Walsh | D60 - Jose Durones | 1 | 11/12/2008 | Waiting | | | 17 w/8 Base Shoe w/ Top Cap N/C | 348193 |
| Glass Railing Ed | Monche Glass & More | D41 - Chai Hanstad | 1 | 11/12/2008 | Waiting | | | 15 w/8 Base Shoe w/ Top Cap N/C | 348888 |
| SCREEN PANEL | STONER GLASS SALES INC | D38 - Ana Lira | 1 | 11/11/2008 | Waiting | | | 2 w/8 Base Shoe w/ Top Cap N/C | 347125 |
| Glass Windbreak | Galagher's Glass Co. | D41 - Chai Hanstad | 1 | 11/11/2008 | Waiting | | | 13 w/8 Base Shoe w/ Top Cap N/C | 347211 |
| PARTS LIST GR19 | TEST GLASS CO | D38 - Ana Lira | 1 | 11/11/2008 | Waiting | | | 6 w/8 Base Shoe w/ Top Cap N/C | |
| PARTS LIST GR19C10 R2 | TEST GLASS CO | D38 - Ana Lira | 1 | 11/11/2008 | Waiting | | | 2 w/8 Base Shoe w/ Top Cap N/C | |
| PARTS LIST GR19C10 | TEST GLASS CO | D38 - Ana Lira | 1 | 11/11/2008 | Waiting | | | 2 w/8 Base Shoe w/ Top Cap N/C | |
| PARTS LIST 102039M | TEST GLASS CO | D38 - Ana Lira | 1 | 11/11/2008 | Waiting | | | 14 w/8 Base Shoe w/ Top Cap N/C | |
| PARTS LIST 15190M | TEST GLASS CO | D38 - Ana Lira | 1 | 11/11/2008 | Waiting | | | 6 w/8 Base Shoe w/ Hand Rail N/C | |
| PARTS LIST 15190 FOR 3/4" GLASS | TEST GLASS CO | D38 - Ana Lira | 1 | 11/11/2008 | Waiting | | | 6 w/8 Base Shoe w/ Top Cap N/C | |
| PARTS LIST 15190 FOR 1/2" GLASS | TEST GLASS CO | D38 - Ana Lira | 1 | 11/11/2008 | Waiting | | | 6 w/8 Base Shoe w/ Top Cap N/C | |
| PARTS LIST 15190 | TEST GLASS CO | D38 - Ana Lira | 1 | 11/11/2008 | Waiting | | | 6 w/8 Base Shoe w/ Top Cap N/C | |
| PARTS LIST 15190 | TEST GLASS CO | D38 - Ana Lira | 1 | 11/11/2008 | Waiting | | | 2 w/8 Base Shoe Only Windscreen | |
| PARTS LIST 15190 MET GLASS SETTING BLOOD | TEST GLASS CO | D38 - Ana Lira | 1 | 11/10/2008 | Waiting | | | 22 w/8 Base Shoe w/ Top Cap | |
| Car Wash Glass Railing System | Birkus-Glass Glass | D41 - Chai Hanstad | 1 | 11/10/2008 | Waiting | | | 22 w/8 Base Shoe w/ Top Cap | 346404 |
| PARTS LIST 955825C | TEST GLASS CO | D38 - Ana Lira | 1 | 11/10/2008 | Waiting | | | 15 w/8 Base Shoe w/ Top Cap N/C | |
| Hennnessy Glass Railing | Coyote Glass LLC | D41 - Chai Hanstad | 1 | 11/10/2008 | Waiting | | | 10 w/8 Base Shoe w/ Top Cap | 346395 |
| PARTS LIST HR20MC / HR20M / HR20A | TEST GLASS CO | D38 - Ana Lira | 1 | 11/10/2008 | Waiting | | | 8 w/8 Base Shoe w/ Hand Rail N/C | |
| ApexLoc Glass Railing System | Dan Tait | D41 - Chai Hanstad | 1 | 11/10/2008 | Waiting | | | 9 w/8 Base Shoe w/ Top Cap | 346392 |
| PARTS LIST HR20A | TEST GLASS CO | D38 - Ana Lira | 1 | 11/10/2008 | Waiting | | | 4 w/8 Base Shoe w/ Hand Rail N/C | |
| Apex Loc Glass Railing System | Audrey Madock | D41 - Chai Hanstad | 1 | 11/10/2008 | Waiting | | | 50 w/8 Base Shoe w/ Top Cap N/C | 346372 |
| PARTS LIST HR19MC | TEST GLASS CO | D38 - Ana Lira | 1 | 11/10/2008 | Waiting | | | 4 w/8 Base Shoe w/ Hand Rail N/C | |
| 12089 Multi-Cx | Ancho Ventura Glass | D41 - Chai Hanstad | 1 | 11/10/2008 | Waiting | | | 7 w/8 Base Shoe w/ Top Cap N/C | 346342 |
| PARTS LIST HR19H | TEST GLASS CO | D38 - Ana Lira | 1 | 11/10/2008 | Waiting | | | 4 w/8 Base Shoe w/ Hand Rail N/C | |
| PARTS LIST HR19H | TEST GLASS CO | D38 - Ana Lira | 1 | 11/10/2008 | Waiting | | | 4 w/8 Base Shoe w/ Hand Rail N/C | |
| Bedone Multi | Wheatle Glass | D41 - Chai Hanstad | 1 | 11/10/2008 | Waiting | | | 5 w/8 Base Shoe w/ Top Cap N/C | 346303 |
| PARTS LIST HR19C | TEST GLASS CO | D38 - Ana Lira | 1 | 11/10/2008 | Waiting | | | 4 w/8 Base Shoe w/ Hand Rail N/C | |
| ApexLoc HR19A | TEST GLASS CO | D38 - Ana Lira | 1 | 11/10/2008 | Waiting | | | 4 w/8 Base Shoe w/ Top Cap N/C | |
| Steel Handrails | Central Glass and More | D41 - Chai Hanstad | 1 | 11/10/2008 | Waiting | | | 15 w/8 Base Shoe w/ Top Cap | 346214 |

Job Name: **BALCONY RAIL**

Job Details | Contact Details | Quote Details

Customer Name: **TEST GLASS CO**

Balustrade location: **D38 - Ana Lira**

Quantity:

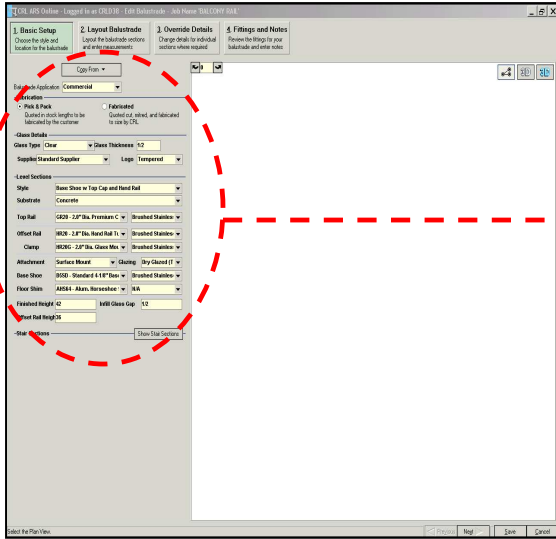
Purchase Order #:

Status: **Waiting** | Date Entered: **11/14/2008**

Private Notes:

B) In Step 1: Basic Setup, simply answer standard questions regarding your application. If you are a frequent user and have accumulated a library history just click on **Copy From** and you are half way done.

Step 1: Basic Setup



Answer Standard Questions

Fabrication → **Fabrication**
 Pick & Pack (Quoted in stock lengths to be fabricated by the customer) **Fabricated** (Quoted cut, mitted, and fabricated to size by CRL)

Glass Details → **Glass Details**
 Glass Type: **Clear** Glass Thickness: **1/2**
 Supplier: **Standard Supplier** Logo: **Tempered**

Level Sections → **Level Sections**
 Style: **Base Shoe w Top Cap and Hand Rail**
 Substrate: **Concrete**

Top Rail → **Top Rail**
GR20 - 2.0" Dia. Premium C Brushed Staines: **▼**

Offset Rail → **Offset Rail**
HR20 - 2.0" Dia. Hand Rail Tt Brushed Staines: **▼**
Clamp **HR20G - 2.0" Dia. Glass Mot** Brushed Staines: **▼**

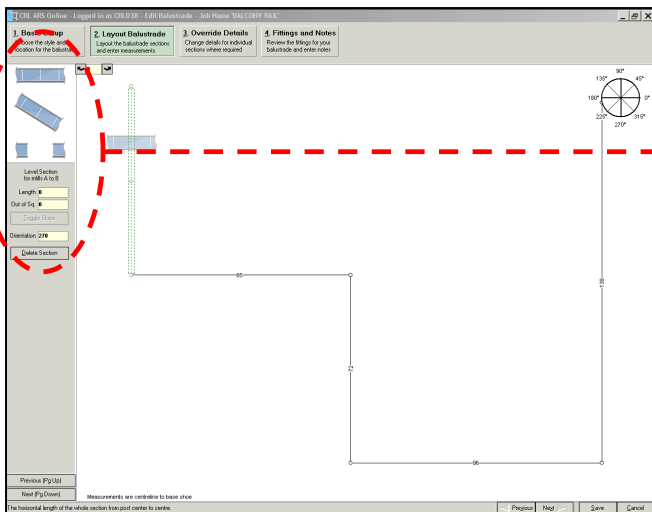
Attachment → **Attachment**
Surface Mount Glazing: **Dry Glazed (T)**

Finished Heights → **Finished Heights**
 Base Shoe: **B5SD - Standard 4-1/8" Bas** Brushed Staines: **▼**
 Floor Shim: **AHS64 - Alum. Horseshoe !** N/A

Stairs → **Stair Sections**
 Finished Height: **42** Infill Glass Gap: **1/2**
 Offset Rail Height: **36**

C) In Step 2: Layout Railing, drag a line in the drawing screen and drop near a junction to add a level section, stairway, or a gap. This is a drag and drop process. **Step 2** will allow you to create standard and custom applications. The angle finder is a quick reference to determine a standard or custom angle.

Step 2: Layout Railing



Drag and drop to create a level section →

Drag and drop to create a stair section →

Drag and drop to create a gap section →

Length → Length **0**

Out of Square → Out of Sq. **0**

Toggle Slope →

Orientation / Angle → Orientation **270**

Delete Section →

D) In Step 3: Override Details, you can modify or edit properties. Click on the individual sections and change the railing details. Here is where your imagination comes into play. As a user you can mix and match the style, finish, attachment, substrate, panel widths, parts list, and more.

Step 3: Override Details

Level Section for Infill 1 to K

Style: Base Shoe w Top Cap Target Height: 42 Actual: 42

Color: N/A Glass Type: Clear

Attachment: Surface Mount Glass Thickness: 1/2

Substrate: Concrete Infill Count: 3

Infill: Glass Glazing: Dry Glazed (Taper-Loc)

Max. Infill Width: 60

You can modify or edit properties. Click on the individual sections and changes the railing details

Level Section for Infills 1 to K

Style: Base Shoe w Top Cap Target Height: 42 Actual: 42

Color: N/A Glass Type: Clear

Attachment: Surface Mount Glass Thickness: 1/2

Substrate: Concrete Infill Count: 3

Infill: Glass Glazing: Dry Glazed (Taper-Loc)

Max. Infill Width: 60

Infills

- Top Rail: GR20 - 2.0" Dia. Premium Cap Rail Color: Brushed Stainless
- Top Splice, first: GR20CS - 2.0" Dia. 180° 5" Intri1 Color: Stainless Steel
- End Cap, last: GR20EC - 2.0" Dia. End Cap Color: Brushed Stainless
- Top Glass Seal: GR5PV - Cap Rail Vinyl For 1/2" G Color: N/A
- Offset Rail: HR20 - 2.0" Dia. Hand Rail Tubing Color: Brushed Stainless
- Offset Rail Bracket: HR20G - 2.0" Dia. Glass Mount Ha Color: Brushed Stainless
- Offset Splice, first: GR20CS - 2.0" Dia. 180° 5" Intri1 Color: Stainless Steel
- Offset End Cap, last: HR20F - 1/8" Flat End Cap Color: Brushed Stainless
- Base Shoe: B5SD - Standard 4-1/8" Base Shoe Color: N/A
- Cladding Inside: B5SD - Standard 4-1/8" Base Shoe Drilled Color: Stainless
- Cladding Outside: B5TD - Tapered 4-1/8" Base Shoe Drilled Color: Stainless
- Base Shoe End Cap: B5T - Tapered 4-1/8" Base Shoe Undrilled Color: Stainless
- Base Shoe Gasket: B5G - Top Rubber Gasket for Base Color: N/A
- Floor Shim: AHS64 - Alum. Horseshoe Shims 1/4" x 2" x 3" Color: N/A
- Anchor: EBA334 - 3/8" x 3-3/4" Expansion Color: N/A

E) In Step 4: Fittings and Notes, you can review the fittings, add and delete hardware, and enter notes. This screen will advise you of any warning notes and installation comments. **Important Note:** Save the railing before you exit, close the application and save again. The program will send you back to the opening page. You can print your design, order, or request a quote.

Step 4: Fitting and Notes

Balastrade Information and Warnings

Installation Comments

Glass Order Comments

Click on an individual item and you can add, change, or delete a product. This screen will also advise the user of any warning notes and installation comments.

| Order Qty | Calc. Qty | Product Name | Category | Option | Actual Color |
|-----------|-----------|--|---------------------|----------------------|-------------------|
| 2 | 2 | 32629 | <Custom> | 32629 | N/A |
| 2 | 2 | 7649 | <Custom> | 7649 | N/A |
| 100 | 100 | AHS64 - Alum. Horseshoe Shims 1/4" x 2" x 3" | <Custom> | AHS64 | N/A |
| 2 | 2 | AT234 - 108 Ft. Cladding Tape | <Custom> | AT234 | N/A |
| 2 | 2 | B5SD - Standard 4-1/8" Base Shoe Drilled | <Custom> | B5S200 (240") | N/A |
| 2 | 2 | B5SEC - Standard Base Shoe End Cap | <Custom> | B5SECBS | Brushed Stainless |
| 10 | 10 | BSG10 - 10 Ft. Cladding for 4-1/8" Shoe | <Custom> | BSG10 (120") | Brushed Stainless |
| 1 | 1 | B5G - Top Rubber Gasket for Base Shoe | <Custom> | B5G100 (1200") | N/A |
| 40 | 40 | EBA334 - 3/8" x 3-3/4" Expansion Anchors | <Custom> | EBA334 | N/A |
| 3 | 3 | GR20 - 2.0" Dia. Premium Cap Rail | <Custom> | GR20BS14 (168") | Brushed Stainless |
| 16 | 16 | GR20CS - 2.0" Dia. 180° 5" Intri1 Sleeve | <Custom> | GR20CSS | Stainless Steel |
| 2 | 2 | GR20EC - 2.0" Dia. End Cap | <Custom> | GR20ECBS | Brushed Stainless |
| 4 | 4 | GR20H - 2.0" Dia. 90° 4" Horiz. Corner | <Custom> | GR20HBS | Brushed Stainless |
| 5 | 5 | GR5PV - Cap Rail Vinyl For 1/2" Glass 1-3/16" | <Custom> | GR5PV (120") | N/A |
| 1 | 1 | HR20 - 2.0" Dia. Hand Rail Tubing | <Custom> | HR20BSC (138-15/16") | Brushed Stainless |
| 1 | 1 | HR20 - 2.0" Dia. Hand Rail Tubing | <Custom> | HR20BSC (98-1/8") | Brushed Stainless |
| 1 | 1 | HR20 - 2.0" Dia. Hand Rail Tubing | <Custom> | HR20BSC (67-3/4") | Brushed Stainless |
| 1 | 1 | HR20 - 2.0" Dia. Hand Rail Tubing | <Custom> | HR20BSC (80-3/4") | Brushed Stainless |
| 1 | 1 | HR20 - 2.0" Dia. Hand Rail Tubing | <Custom> | HR20BSC (66-15/16") | Brushed Stainless |
| 2 | 2 | HR20F - 1/8" Flat End Cap | <Custom> | HR20FBS | Brushed Stainless |
| 22 | 22 | HR20G - 2.0" Dia. Glass Mount Hand Rail Brack | <Custom> | HR20GBS | Brushed Stainless |
| 4 | 4 | HR20MC - 2.0" Dia. Mitered Style 90° 3-1/8" Co | <Custom> | HR20MCBS | Brushed Stainless |
| 40 | 40 | TL5W10 - Taper-Loc Taper Set for 3/4" Glass | <Custom> | TL5W10 | N/A |
| 4 | 4 | 95C - Silicone Building Sealant | Miscellaneous Comp. | 95CBL | Black |

Step 5: Order / Quote Hardware

Final Product:

Request your **FREE** trial today. Sign up for the CRL Hand Rails Online Webinar to get started. Contact us with any questions, ideas or comments about Hand Rails Online at (800) 421-6144 or (323) 588-1281, ask for Ext: 7730. You can send an e-mail to railings@crlaurence.com. CRL strives to be an ever-improving company and values your opinion.