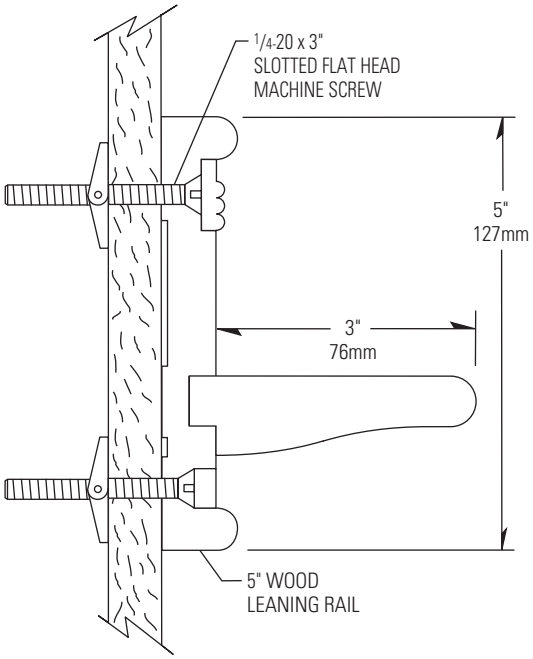
L1
Leaning Rail



- Provides support for areas that do not require a handrail
- Shipped in random 8' - 16' lengths
- Pre-assembled to specifications for easy installation
- Suited for elegant applications in low abuse areas
- Red oak, maple, FSC Certified Ash or unfinished poplar available in natural or seven stain colors

P.O. Box 406 · Muskego, Wisconsin 53150 USA
inprocorp.com
Nationwide 800.222.5556/Fax 888.715.8407
International Sales 262.679.5521/Fax 262.679.5524

InPro Corporation®
Interior and Exterior Architectural Products

L1 Leaning Rail
Suggested Specifications

PART 1 GENERAL
1.01 SUMMARY
A. Leaning Rail System
1.02 SECTIONS INCLUDES
A. Northern Hardwoods L1 Leaning Rail, Solid wood leaning rail in red oak
B. Northern Hardwoods L1 Leaning Rail, Solid wood leaning rail in maple
C. Northern Hardwoods L1 Leaning Rail, Solid wood leaning rail in poplar
1.03 REFERENCES
A. American National Standards Institute (ANSI)
B. Environmental Protection Agency (EPA)
C. Kitchen Cabinets Manufacturers Association (KCMA)
D. National Emission Standards for Hazardous Air Pollutants (NESHAP)
1.04 SYSTEM DESCRIPTION
A. Performance Requirements: Provide wood leaning rail systems that conform to the following requirements of regulatory agencies and the quality control of IPC Door and Wall Protection Systems, InPro Corporation.
1. Cold, heat and chemical resistance: Provide wood leaning rail with a finish that complies with the applicable provisions of ANSI/KCMA A161.1-1990 for cold check, heat and chemical resistance.
2. Environmental compliance: Provide wood leaning rail and with a finish that does not off gas or emit any VOC, after a full cure, as tested in accordance to the EPA, NESHAP, Method 24, 40CFR, Volume 60, Appendix A.
3. Code Compliance: Provide leaning rails that comply with all current ANSI and ADA requirements.
1.05 SUBMITTALS
A. Product Data: Manufacturer's printed product data for each product indicated in this section.
B. Detail Drawings: Mounting details with appropriate fasteners for
specific project substrates.
C. Samples: Verification samples of leaning rail, 15" (381mm) long, in full size of each type and color indicated.
D. Manufacturer's Installation Instructions: Printed installation instructions for each leaning rail.
1.06 DELIVERY, STORAGE AND HANDLING
A. Deliver materials in unopened factory packaging to the jobsite.
B. Inspect materials at delivery to assure that specified product have been received.
C. Store in original packaging in a climate controlled environment away from direct sunlight.
1.07 WARRANTY
A. Standard IPC Limited Lifetime warranty against material and manufacturing defects.

PART 2 PRODUCTS
2.01 MANUFACTURERS
A. Acceptable Manufacturer: IPC Door and Wall Protection Systems, InPro Corporation, PO Box 406, Muskego, WI 53150 USA; Telephone 800.222.5556, Fax: 888.715.8407, www.inprocorp.com
B. Substitutions: Not permitted
C. Provide all leaning rails and wall protection from a single manufacturer.
2.02 MANUFACTURED UNITS
A. Wood Leaning Rail
1. L1 Leaning Rail, 5" (127mm) height extends $3\frac{1}{2}$" (89mm) from the wall.
2.03 MATERIALS
A. Wood: Shall be FAS grade, kiln dried, solid maple, red oak or poplar with moisture content of 5-9%.
B. Forest Stewardship Council (FSC) Wood: Shall be kiln dried solid FSC Ash.
2.04 COMPONENTS
A. Outside corners, inside corners, and end conditions shall be solid wood and field cut from rail lengths.
B. Fasteners: All mounting systems accessories appropriate for substrates indicated on the drawings shall be provided.
2.05 FINISHES
A. Wood Stain: Color of oak or maple leaning rail to be selected, by the architect, from the IPC stain selection. Option -unfinished. Color of poplar leaning rail to be unfinished
B. Wood Finish: Oak and maple leaning rail shall be finished with two coats of pre-catalyzed finish. Finish shall be a low luster satin finish. Option - unfinished. Poplar leaning rail to be unfinished.

PART 3 EXECUTION
3.01 INSTALLERS
A. Installer should be familiar with the installation of fine finished wood products.
3.02 EXAMINATION
A. Examine areas and conditions in which leaning rail will be installed.
1. Complete all finishing operations, including painting, before beginning installation of leaning rail system materials.
2. Wall surface shall be dry and free from dirt, grease and loose paint.
3.03 PREPARATION
A. General: Prior to installation, clean substrate to remove dust, debris and loose particles.
3.04 INSTALLATION
A. General: Locate the leaning rail as indicated on the approved detail drawing for the appropriate substrate and in compliance with the IPC installation instructions. Install leaning rail level and plumb at the height indicated on the drawings.
B. Leaning Rail Installation Instructions
Installers should be familiar with the installation of fine finished wood products. Recommended tools: Radial arm saw or power miter box, carbide tipped 80 tooth blade, tape measure, level, chalk line, power nailer, power drill, drill bits, $\frac{1}{4}$" dia. extra length drill bit, long reach countersink, screwdrivers. Leaning Rails are shipped in 8' - 16' (2.44m - 4.88m) lengths. Inside corners, outside corners and end conditions are field cut and finished.
1. Layout the Leaning Rail on the wall. Cut the rail to the required lengths allowing for miter cut inside and outside corners.
2. Drill $\frac{1}{4}$" holes for the mounting fasteners on the Leaning Rail. Include a beveled recess at each hole, so the fastener heads are flush with the wood. Two locations receive mounting fasteners. One is in the recess below the leaning ledge, the other is the recess above the ledge. Long reach drill bits and countersinks will be needed to drill the holes below the leaning ledge. Fasteners should be spaced 4" from the ends and spaced a maximum of 32" alternating them between the top mounting location and the bottom mounting location.
3. Position the leaning rail against the wall at the desired height. Level the rail and transfer the locations of the mounting holes to the wall. Drill all marked holes with a $\frac{3}{4}$" drill bit for toggle bolts into metal studs, $\frac{5}{32}$" drill bit for wood screws into wood studs or a $\frac{1}{4}$" drill bit for Alligator anchors into masonry construction.
4. Miter cut the inside and outside corners. Installer supplied dowels or biscuits may aid in the joining of the corners. The protruding corners of the ledge may be trimmed at a 45° angle on outside corners and end conditions.
5. Loosely mount the leaning rail to the wall with the appropriate fasteners. Join inside and outside corners with glue, optional dowels or biscuits, and nails. Level the rail on the wall and securely tighten all fasteners. Clean up any wood glue with a damp cloth.
6. Cut the trim pieces that cover the mounting fasteners to the required lengths. Cover the recessed area above the ledge with the fluted trim piece by slipping it into the recess and securing it with finish nails. Cover the recess below the ledge with the plain trim piece in a similar manner.
7. If protruding corners were trimmed, finish raw edges with stain and varnish to match the rest of the rail. Touch up any other marks and fill any voids with putty.
8. Remove any surplus materials, and debris upon completion of the installation.
3.05 CLEANING
A. At completion of the installation, clean surfaces in accordance with the IPC clean up and maintenance instructions.

P.O. Box 406 · Muskego, Wisconsin 53150 USA
inprocorp.com
Nationwide 800.222.5556/Fax 888.715.8407
International Sales 262.679.5521/Fax 262.679.5524