



**MAJOR INDUSTRIES, INC.**

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**WELCOME TO MAJOR INDUSTRIES,  
AMERICA'S PREMIER MANUFACTURER  
OF SKYLIGHTS & DAYLIGHTING PRODUCTS**

**Major Industries** is proud to celebrate **25 years** of success in the marketplace. Our daylighting products include a full range of skylights, translucent curtainwall and built-to-order interior panels. Since 1980, we've focused on providing you with products tailored to your project requirements. We've taken what we do best and made it better by listening, responding and making the right changes. And change propels us forward.

Like most successful companies, we use technology including 3-D modeling, Internet commerce, and product details by e-mail. In spite of all of these high-tech goodies, we felt that our product could be better understood by the utilization of traditional illustration methods. The product details in our new **2005 TECHNICAL MANUAL** were drawn by a professional technical illustrator with the specific objective of making them more understandable.

We believe the transition from design concept to cost-effective daylighting is best accomplished using electronic files. Our in-house engineering group is ready to provide technical support and field proven details to ensure your project performs to everyone's satisfaction. Downloadable product details are available from our website (<http://www.majorskylights.com>) or from our **CD ROM VERSION** of this technical binder. Fast track projects can be submitted and approved electronically to save time and money.

For your continued convenience, we've organized this technical manual by sections containing typical details and specifications. Each manual is registered in your firm's name, so we can send you up-to-the-minute information as products are tested and updated plus information on new products as we introduce them.

Whatever your application...shopping malls to office complexes, schools to sewage disposal plants...we stand ready to help by listening, responding, and making the right changes to satisfy your project requirements.

*We look forward to your call.*

Wayne Toenjes  
President



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## **HOW TO USE THIS MANUAL**

First, complete and mail your registration card. When you register your binder with Major, we will send you updated sections and inserts as we issue them. Because we are committed to constant improvement, this happens fairly often. Please make sure your binder stays up to date by taking two minutes to register!

Major designed this Technical Binder after working with focus groups composed of architects, designers, and specifiers. We laid out the sections in a sequence that probably mimics your design process. But if you can't find what you need, call us. We're a customer-driven company, and we'll do whatever we can to earn your trust and business. Sections 1 and 7 apply to all of our systems, Sections 2 through 6 address our Guardian 275<sup>®</sup> translucent systems, and Sections 8 through 11 deal with our Auburn<sup>®</sup> glass, polycarbonate, and acrylic line.

### **General Information**

In this section, you will learn the advantages of doing business with the industry leader. Super fast quotes and long term guaranteed pricing options are discussed.

### **Translucent Skylight Systems**

This section illustrates some of our successful Guardian 275<sup>®</sup> installations, to give you an idea of some of the ways others have used daylighting in their projects. This is followed by a very general overview of our daylighting systems and exploded views.

### **Translucent Details**

We've included scaled elevations of our various Guardian 275<sup>®</sup> components, so you can incorporate them into your own drawings. Each detail is numbered so you can pick out the appropriate cross section from the daylighting system drawings in Section 2.

### **Translucent Installation Details**

Here, you'll find an overview of Guardian 275<sup>®</sup> component parts, and excerpts from our industry-best installation manuals. We've also included sequential installation drawings so you can get a general idea of how our system goes together.

### **Panel / Window Details / Specifications**

If you need to integrate windows with your Guardian 275<sup>®</sup> system, look no further. This section shows how industry-standard windows (2" or larger) integrate with our panel systems.



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**Translucent Specifications**

In this section we've included a CSI-standard Guardian 275® specification for use in your job spec.

**Finish Specifications**

Once you've chosen your design, you can consider finishes. This section includes our standard color charts for paint and anodizing.

**Glass / Plastic Skylight Systems**

This section illustrates some of our successful Auburn® installations, to give you an idea of some of the ways others have used glass, polycarbonate, and acrylic daylighting in their projects. This is followed by a very general overview of our daylighting systems and exploded views.

**Glass / Plastic Details**

We've included scaled elevations of our various Auburn® components, so you can incorporate them into your own drawings. Each detail is lettered so you can pick out the appropriate cross section from the daylighting system drawings in Section 8.

**Glass / Plastic Installation Details**

Here, you'll find an overview of Auburn's® component parts, and excerpts from our industry-best installation manuals. We've also included sequential installation drawings so you can get a general idea of how our system goes together.

**Glass / Plastic Specifications**

In the final section of our Technical Manual we've included a CSI-standard Auburn® specification for use in your job spec.



# PREINSTALLATION CHECKLIST

**Job Name:** \_\_\_\_\_

**Job No.:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Phone No.:** \_\_\_\_\_ **Fax No.:** \_\_\_\_\_

**Attn:** \_\_\_\_\_

Quality work and timely completion require careful planning and honest communication. You have indicated that your project is ready to receive **Skylights or Translucent Curtainwall from Major Industries**. We need your help to ensure a successful weathertight installation. Our custom-fabricated products are produced to precise dimensions under factory-controlled conditions.

In simple terms, everything has been checked and verified to meet shop drawings and architectural requirements. Our warranty commitment sold with this job is predicated on satisfactory site conditions. Please complete the following checklist and fax it back to my attention, so final travel plans for our installation crew can be made. No crews will be dispatched until this site verification is performed.

---

## Site Requirements

1. I have checked all opening dimensions against the shop drawings to confirm that they meet system and weather requirements of + 0.25 inches  True  False
2. All masonry/EIFS is in place for wall openings and single-ply membranes have been applied to roof curbs. Seven out of ten installations "leak" when this recommended installation sequence is reversed. Major will not provide an unconditional warranty if we are forced to install our product before other responsible trades complete site preparation according to architectural specifications. I will schedule other trades to minimize leaks by following the approved installation sequence.  True  False
3. Sill, head and jamb, and skylight curb conditions are plumb, straight and match the stated dimensions per the final field drawings.  True  False
4. Coordination with other trades will not delay installation crews more than 30 minutes in a given day.  True  False
5. I understand that if site conditions are not as I represent them, my company will be responsible for all costs beyond the scope of our contract. Specific costs will include work that is the responsibility of other trades, unjustified travel costs, and lost time in excess of eight hours due to poor jobsite coordination.  True  False

## Jobsite Inspection

**By:** \_\_\_\_\_

**Title:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**FAX BACK TO JEFF WIRKUS  
INSTALLATION MANAGER  
MAJOR INDUSTRIES**

**715-848-3336**



# COMPLETION SIGNOFF SHEET

**Job Name:** \_\_\_\_\_

**Job No.:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**City/State/Zip:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

**Installer's Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**City/State/Zip:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

**General Contractor:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**City/State/Zip:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

**Start Date:** \_\_\_\_\_

**Completion Date:** \_\_\_\_\_

**Type of Units:** \_\_\_\_\_

**Give a brief description of work completed:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**List any work left incomplete and reasons why. If necessary use extra sheets.**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Is job 100% completed?**     Yes     No

**Date:** \_\_\_\_\_

**Notes:** \_\_\_\_\_

**Job Superintendent:** \_\_\_\_\_

**Installer:** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



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- ◇ Barrel Vault Structural  
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◇ Section 08950 Translucent Wall Systems

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- ◇ Auburn® Skylight full color brochure
- ◇ Standard Auburn® Skylight Systems
- ◇ Standard Auburn® Skylight Systems
- ◇ Auburn® Skylight Installation Manuals
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