SIMPLEX SKYLIGHTS

GUARANTEED
Water-proof — Fire-proof — Burglar-proof
Sound-proof — No Repairs — Unrestricted Light

Expansion joint filled with Simplex Expansion Compound

Water-tight Expansion Gutter

SIMPLEX DOUBLE-REINFORCED CONCRETE CONSTRUCTION

NOTE THE HEAVY I-BEAM REINFORCEMENT

AMERICAN BAR LOCK CO.
Main Office and Works
Twenty-sixth and Pennsylvania Avenue PHILADELPHIA

Branch Offices and Representatives in all Large Cities
SIMPLEX SKYLIGHTS

DESCRIPTION

SIMPLEX system of skylights consists of a pre-formed factory-made slab of reinforced concrete insuring the proper spacing and placing of reinforcement. Pre-formed slab is 1 1/4” in thickness with heavy I-beam reinforcement one way and twisted steel rods in the other direction which is sufficient in itself to carry heavy loads. The finished work being 2 3/4” thick, is so constructed that the glass, which measures 6” x 6” fits true and straight, making it impossible to set lenses out of perfect alignment.

EASILY INSTALLED

Simplex system requires no forms or carpenter work to be used in installing. Nothing to be removed when cement work is finished.

Simplex therefore adapts itself especially to installations that must be finished quickly and with the least possible dirt and confusion on the interior of the building.

Can be installed by any cement finisher at a lesser cost than any other system.

JEFFERSON COUNTY SAVINGS BANK, BIRMINGHAM, ALA.  
SIMPLEX SKYLIGHTS USED OVER BANKING ROOM  
Wm. C. Weston, Architect
SIMPLEX SKYLIGHTS

The largest contract for Concrete Skylights ever placed.
Approximately 150,000 square feet.

ORNAMENTAL APPEARANCE

THE soffit or under-surface of Simplex being factory-made is always true and smooth, lending itself to decorative effects impossible to obtain in any other system, there being no exposed metal to rust or corrode and the concrete, being a non-conductor of heat as well as an absorbent of moisture, condensation is wholly avoided.

KANSAS CITY UNION STATION. SHOWING PORTION OF WEST TRAIN SHEDS COMPLETED
JARVIS HUNT, Architect  GEO. A. FULLER CO., General Contractors

MADE READY TO FIT OPENINGS

The slabs being made in sizes suitable to fit any opening, are then placed in position and cemented without the delays necessitated by the building of wooden forms, or making the castings, etc.

STRONGEST AND MOST ORNATE SKYLIGHT CONSTRUCTION EVER PERFECTED
TANEX GLASS
used in Simplex Construction is not only made from a specially prepared soft, tough mixture but each piece is separately tested, thoroughly annealed, and coated on the sides with a patented cushion of malleable coating which effectually prevents all cracking or breakage from expansion or contraction. Simplex lenses being of pure crystal annealed glass permit of the full unrestricted volume of light being transmitted and diffused which is impossible in other forms of skylight glass.

NO. 72 SPECIAL PRISM GLASS
measuring 6” x 6” for projecting more light in any given direction. 3/8” thick through wearing surface

TANEX glass also will not break or crack from vibration owing to the tremendous strength and rigidity of the Simplex Pre-formed Slab in which the lenses are installed.
SIMPLEX SKYLIGHT CONSTRUCTION

SHOWING ADAPTABILITY FOR TRAIN SHEDS
Marquises, Balconies, Roof Gardens, Floor Lights, etc.
No screens required. Can be walked upon.

PORTION OF INCOMPLETED TRAIN SHEDS, KANSAS CITY UNION STATION
KANSAS CITY, MO.

NOT AFFECTED BY ACID OR SMOKE FUMES

JARVIS HUNT, Chicago
Architect

GEO. A. FULLER CO.
General Contractors
SIMPLEX REPLACEABLE SIDEWALK AND FLOOR LIGHTS

ABSOLUTELY GUARANTEED
Water-proof—Fire-proof—Burglar-proof—Sound-proof

LARGEST glass surface that can be obtained in any construction consistent with strength. No repairs will ever be necessary except from excessive abuse.

REPLACEABLE GLASS
Simplex replaceable glass can be replaced in a few minutes if any should become broken through accident, without damaging the top coat of cement or defacing the balance of the work. The repairs will not show or injure the installation or appearance of the work.

No. 60
Round, plain glass used in this building

A SUPREME TEST OF EFFICIENCY
OELSCHLAGER BLDG., 110 E. 23d STREET, NEW YORK CITY. Showing view of Simplex Vault Lights glazed with No. 60 Tanex Malleable Coated Glass over BOILER ROOM.

NO LEAKS—NO CONDENSATION—NO BROKEN GLASS
NOTE THE VOLUME OF LIGHT
SIMPLEX construction has all the strong features others lack and none of the objectionable features others possess.

Many years of experience and practical appreciation of the previous defects in other forms of sidewalk lights have enabled us to produce the most perfect sidewalk light construction ever placed on the market.

Note the absence of forms of any description, none being required in this system of construction. The pre-formed factory-made slab providing centering for reception of lenses and affording an ornate, perfectly made soffit.

This system can be installed by your own mechanics.
SIMPLEX SIDEWALK AND FLOOR LIGHTS

BURGLAR PROOF

No. 61 square, plain glass used

PONCE DE LEON APARTMENTS, ATLANTA, GA.
GEO. A. FULLER CO., General Contractors

Simplex Sidewalk Lights used to illuminate basement of this building
SIMPLEX SIDEWALK AND FLOOR LIGHTS

NO EXPOSED METAL TO RUST

No. 62
3-point prism glass used in the sidewalk of this building

INTERIOR KOOP DEPARTMENT STORE, CINCINNATI, OHIO.
RAPP, ZETTLE & RAPP, Architects

Showing ornate soffit of Simplex Sidewalk Lights
NOTE THE LARGE GLASS AREA
AN all-concrete construction containing all of the features for which Architects and Owners have long been clamoring, for the following reasons:

First. No breakage of glass from expansion or contraction.

Second. Can be replaced without damage to the concrete surface.

Third. Greater strength and no vibration.

Fourth. No leakage.

Fifth. Will not wear out in fifty years.

Sixth. Does not require experts to install.

Seventh. No exposed metal on top or underneath to rust.

Eighth. Pre-formed slabs are factory made, insuring proper mixture and quality of cement and sand (mixed 1 part best Portland Cement and 2 parts coarse sharp sand).

Ninth. Cheaper than other concrete constructions which have proved so unsatisfactory in many ways.

Tenth. Bearings are only required on two sides, providing a continuous glass surface and dispensing with the costly and light-obstructing cross beams.

Eleventh. The only reinforced concrete construction that can be installed by ordinary cement mechanics.

Twelfth. Beautiful ornate finish underneath requiring no glass sash to hide it in first-class interiors such as banking rooms, restaurants, private residences, etc.

Thirteenth. Concrete being a poor conductor of heat as well as an absorbent of moisture does away with condensation so prevalent in all other systems.
"Skylights shall be of double reinforced concrete construction with factory-made pre-formed slabs, having heavy I-beam tension members one way, with transverse reinforcement of twisted steel rods, using No. Tanex quality annealed glass with cushion of malleable coating. All work to be guaranteed against defective workmanship and material, maintained water-tight, and glass guaranteed against breakage from expansion or contraction for a period of two years."

Simplex double-reinforced concrete construction is covered by the strongest patents ever issued on sidewalk lights, and will be protected against any infringements.
SIMPLEX REPLACEABLE SIDEWALK AND FLOOR LIGHTS

Surround the finest Office Building in the South

No. 62
3-point prism used in this building

No. 61
square, plain glass used in this building

HEALEY BUILDING, ATLANTA, GA.
MORGAN & DILLON, Architects  R. M. WALKER, General Contractor

Write immediately for detailed blue-prints, name of nearest representative and lowest prices.

AMERICAN BAR LOCK COMPANY