



KENNEDY INTERLOCKING OVERCASTS



*Innovative
Cost Effective
Mining Technology*

I N T R O D U C T I O N



Kennedy Metal Products has been making steel overcasts for the mining industry for nearly 50 years. By listening to people who actually work underground in mines, we are able to continuously improve

our overcasts and other products. Our goal at Kennedy Metal Products has always been and continues to be to make your mining operations less expensive and more efficient.

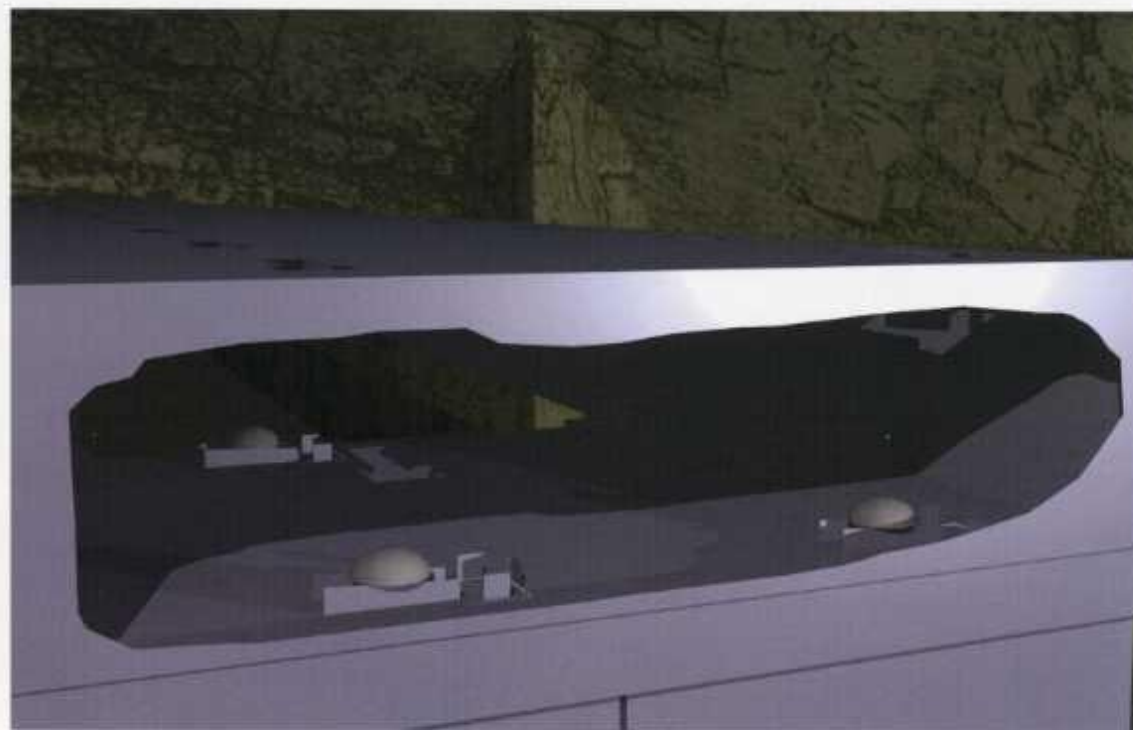
Our goal: better, tighter, faster, more cost effective ventilation structures.

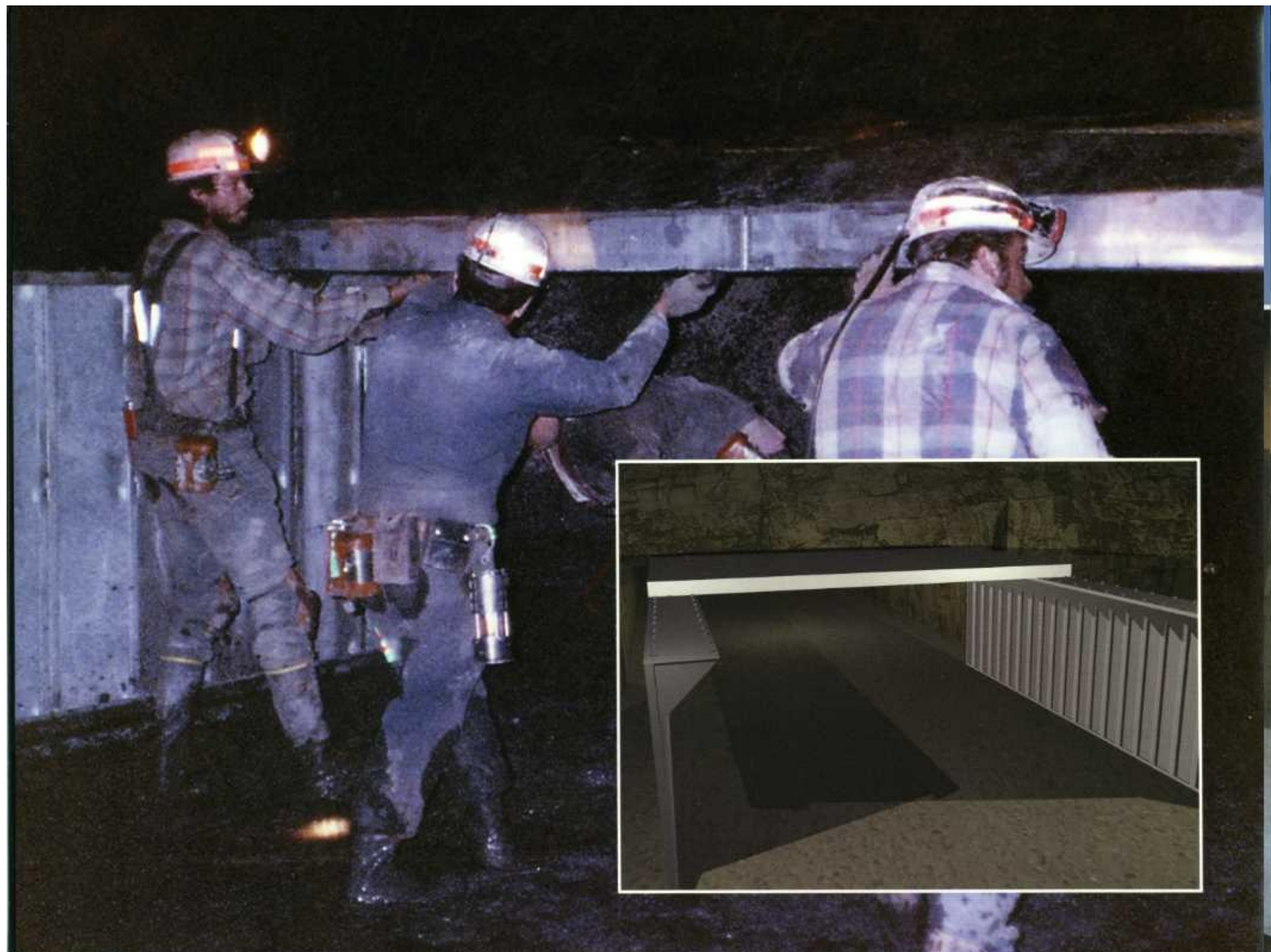
THE KENNEDY OVERCAST SOLUTION

The latest Kennedy Metal Products overcast structure design is lighter and easier to build without compromising strength or safety. Instead of using our standard stopping panels or masonry blocks for the sides of the overcast tunnel, we designed special interlocking side panels of any even length or width that lock to overcast decks and to themselves without using loose fasteners or special tools. The only tool that is needed is a crowbar. Button head rivets welded to the mounting plate on top of the side walls sit in slots on the bottom of the overcast desk. As

the deck is slid laterally into place, the rivet heads ride up on the incline plane, and lock it rigidly to the wall creating a solid, airtight ventilation structure.

The only tool needed is a crowbar.





OVERCAST BENEFITS

The Kennedy overcasts are designed to last the life of the mine or to be taken down and moved as needed. Everything can be reused except twist clamps. The Kennedy interlocking overcast is lightweight, easy to transport and inexpensive. An entire structure can be completely built and sealed in a matter of hours by a

crew of 2, 3 or 4. Our long-lasting system allows you the flexibility you need to move the overcasts without significant additional material costs.



One intersection, one Kennedy overcast...one shift.

THE PERFECT VENTILATION SOLUTION

The Kennedy interlocking overcast is the perfect solution at intersections when an air crossing is required. Construction is efficient and simple. Prepare the site and then begin building the overcast.

1. Lock the first deck to the side wall at one end.
2. Lift the other end of the deck.
3. Lock into place on the opposite wall section.

Make sure the initial structure is properly positioned. Additional decks can be added to complete this section of the overcast tunnel. If additional tunnel length is required, more side and deck combinations can be added by locking on additional side



walls. At each end of the finished tunnel, the structure can be extended to any angle to form wing walls to pillar corners by using hinge connectors. Standard Kennedy stopping panels are added to fill in the required distance.

The Kennedy interlocking overcast is fast, tight, and yielding.

INTERLOCKING DECK SECTIONS

For end walls, special interlocking deck sections can be provided that allow a yielding end wall to be installed at the end of the overcast tunnel. These attach quickly and then extend upward to reach the brow.

The Kennedy solution offers an alternative to constructing end walls with adjustable side walls. The overcast is built as usual, but instead of adding end walls, the entire overcast is jacked up to meet the roof. Then the telescoping

panels in the side wall sections are lowered to the mine floor, and clamped in place.



The overcast is built as usual, but instead of adding end walls, the entire overcast is jacked up to meet the roof.

ORDER INFORMATION

Kennedy Metal Products Interlocking Overcast/Undercast

Date of Report _____

Company Name _____

Mine _____

Contact _____

Address/Phone/Fax _____

Air Crossing Location _____

Please respond to the following questions in order to provide the detailed specifications necessary to provide an accurate quote.

OVERCAST

Desired width of overcast tunnel (top panel length) _____

Desired length of overcast tunnel _____

DECKS

Low profile (4" thick)

Standard (6" thick)

Heavy duty (8" thick)

SIDE WALLS

Standard duty (2") fixed height _____

Standard duty adjustable height (Ht. Range - See Chart) _____

Heavy duty (6") fixed height _____

Heavy duty adjustable height (Ht. Range - See Chart) _____

WINGS

If yes, length _____ Number of tiers _____

Desired length & range of adjustment of each tier _____

END WALLS

If yes, number of tiers _____

Desired length & range of adjustment of each tier _____

(See Chart)

UNDERCAST

Desired span of undercast deck (deck panel length) _____

Desired width of undercast deck _____

Desired height range of side wall _____

DECKS

Low profile (4" thick)

Standard (6" thick)

Heavy duty (8" thick)

SIDE WALLS

Standard duty adjustable height (Ht. Range - See Chart) _____

Heavy duty adjustable height (Ht. Range - See Chart) _____

WINGS

If yes, length _____ Number of tiers _____

Desired length & range of adjustment of each tie _____

(See Chart)

Points to Remember When Ordering

1. Overcast tunnel width must be in even feet.
2. Overcast tunnel length may be any value but must be in 2 foot increments.
3. Undercast span must be in even feet within range of 4' - 30'.
4. Undercast width may be any value but must be in 2' increments.
5. Adjustable tunnel height must be in the range in the chart below.
6. Adjustable wing wall height must be in the range in the chart below.
7. Adjustable end wall height must be in the range in the chart below.
8. If end walls are specified, two end decks are required.

Telescopic Height Adjustment Range Chart

A. 1/2' to 1'

B. 1' to 1-1/2'

C. 1-1/2' to 2-1/2'

D. 2' to 3'

E. 2-1/2' to 4'

F. 3' to 5'

G. 4' to 7'

H. 6' to 10'

I. 7' to 12'

J. 8' to 14'

K. 10' to 18'

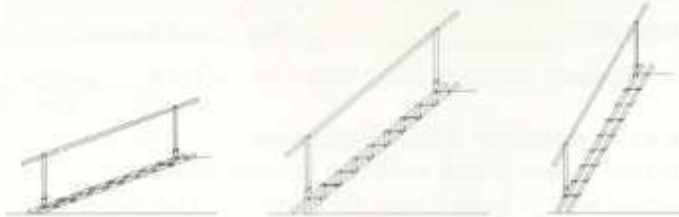
Also available --
5' to 9'



K E N N E D Y S T A I R S

Crossing over an overcast can present a safety issue. We offer a unique solution. Our stairs are designed to work with overcasts of any height. The stairs automatically adjust to the height of the overcast. The steps

always remain horizontal and are available in 4' to 6' widths. These stairs are the perfect solution to climbing obstacles like overcasts.



The stairs automatically adjust to the height of the overcast.

C O N V E Y O R B E L T C R O S S I N G



A common obstacle in mines is the danger of crossing a conveyor belt. The Kennedy system solves the problem quickly and economically by spanning the conveyor with a short belt crossing and adding stairs on each side.

KENNEDY WORLDWIDE

Kennedy Metal Products has been working to make mining safer and more productive for decades. We are recognized experts in mining ventilation with plants and warehouses on four continents.



Additional Warehouse:
Chelyan, WV



Jack Kennedy Metal Products & Buildings, Inc.

ADDITIONAL PROBLEM SOLVING PRODUCTS...

- Steel Stoppings
- NZL (near zero leak) Stoppings
- Manual Machine Doors
- Hydraulic Power Machine Doors
- Pneumatic Power Machine Doors
- Permissible Pneumatic Power Machine Doors
- Over 50 Models of Man Doors
- Concussion Relief Doors
- Manual Regulators
- Power Regulators
- Automatic Regulating Systems
- Rescuer Boxes
- Roof Brackets
- Conveyor Belt Slip and Sequence Switches



READ THIS NOTICE

The seller makes no warranty of any kind whatsoever, expressed or implied; and all implied warranties of merchantability and fitness for a particular purpose are hereby disclaimed by seller and excluded from this agreement. Seller hereby disclaims any liability for any other or consequential damages which might occur from failure of the product to perform as herein stated.

PATENT INFORMATION

These products are covered by one or more United States or Foreign Patents, granted or pending.
5,466,187; 650,976; 2,256,214; 2,069,653; 5,412,916; 660,355; 2,265,171; 2,091,752; S/N 09411084

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