ARMCO PROJECT 600

PLAINTIFF'S EXHIBIT
KDN - 156

HOT STRIP MILL
SPECIFICATION No. 7148(3-4)

ACOUSTICAL CEILING

SPECIFICATIONS

PREPARED BY

KAISER ENGINEERS

INTER-OFFICE MEMORANDUM

TO D. R. McSparrin
AT Construction, Middletown

DATE April 6, 1966

FROM W. L. Hick
W. L. Hick JBC

COPIES TO See Distribution

AT Middletown

JOB NO. 7148.221

SUBJECT Hot Strip Mill
Acoustical Ceiling

Attached are one (1) cover bound and seven (7) unbound copies of Specification No. 7148(3-4) Acoustical Ceiling, dated March 15, 1966 for your preparation of a subcontract package.

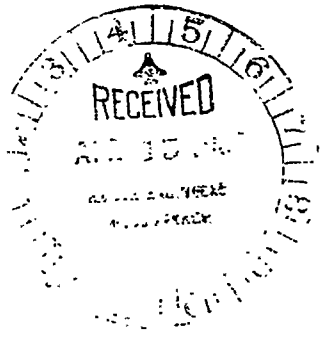
JBC/ls

Attach.

cc:

Armco	Kaiser
P. R. Smith *	M. Janner *
F. W. Barnes *	E. J. Denner
T. R. Foley *	L. H. Kash
Reading File	V. L. Frankson
	Central File *
	Reading File

* Bound copies attached.



KEN 005291

HOT STRIP MILL

SPECIFICATION No. 7148(3-4)

ACOUSTICAL CEILING

FOR

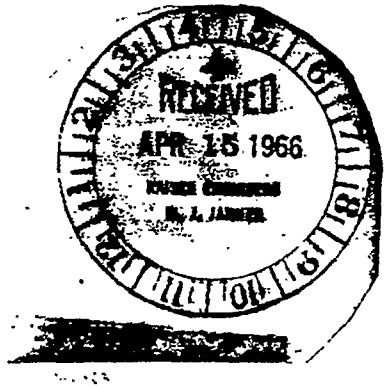
MIDDLETOWN WORKS EXPANSION PROGRAM
ARMCO STEEL CORPORATION
MIDDLETOWN, OHIO

PROJECT No. 7148

APPROVED FOR CONSTRUCTION K. L. Wagner DATE 3-24-66

KAISER ENGINEERS, INC.
MIDDLETOWN, OHIO
CHICAGO, ILLINOIS

March 15, 1966



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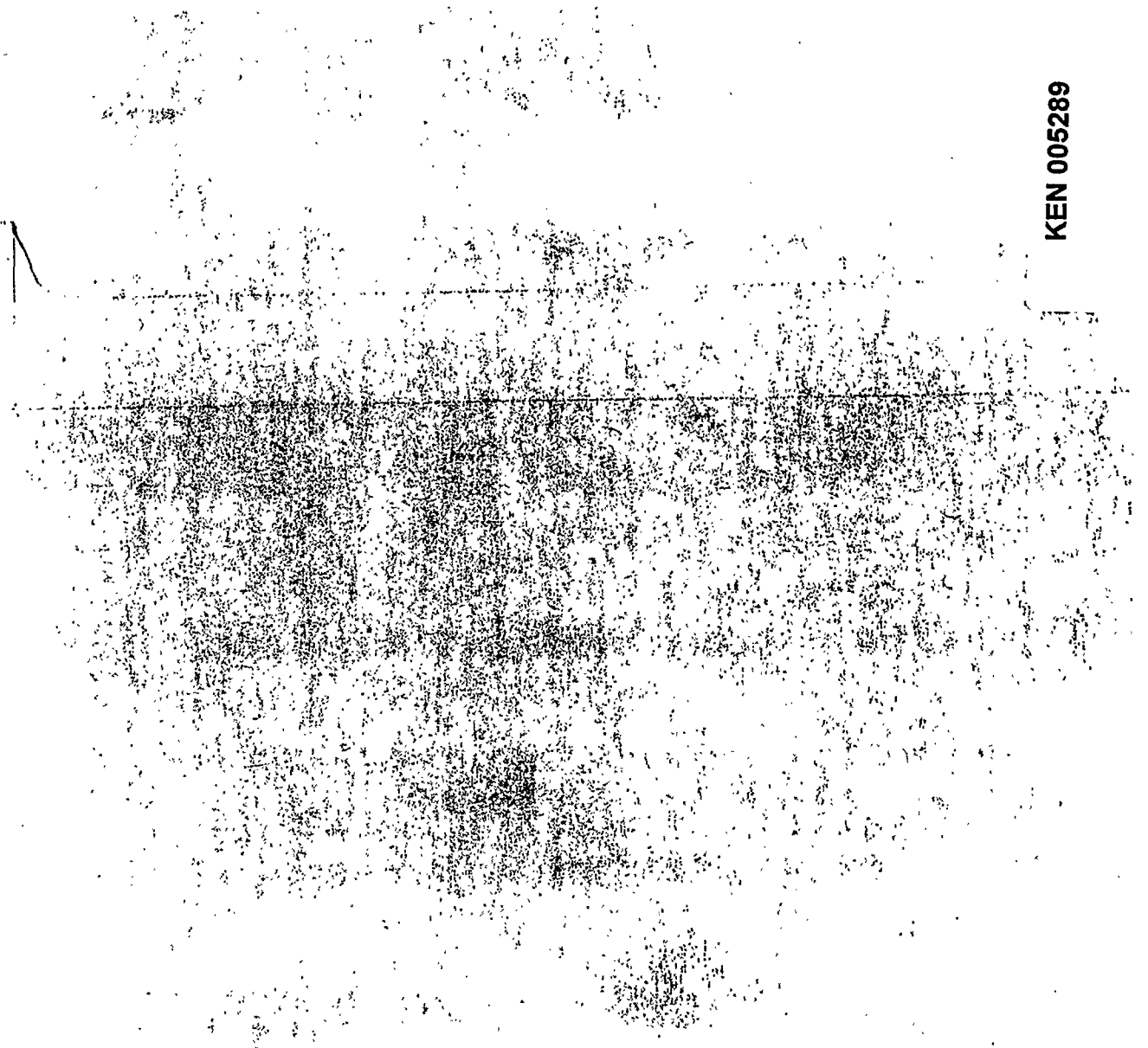
Spec. 7148(3-4) Hot Strip Mill
6471 Acoustical Ceiling
Armco, Middletown



KEN 005289

ACOUSTICAL CEILING

1.0 SCOPE OF WORK

Work covered by this Specification shall include the materials and the application of acoustical ceilings indicated on the drawings and/or as specified herein, including suspension system.

2.0 INSPECTION

All associated work by others shall be examined, and any defects shall be reported in writing prior to proceeding with the Work herein. Starting of the Work shall constitute acceptance of the work by others.

3.0 COORDINATION

To permit orderly and expeditious procedure of the Work of this Specification, the applicator of acoustical ceiling shall consult and cooperate with trades whose work precedes and follows acoustical installation.

4.0 MATERIALS

4.1 Acoustical Panels - Lay-in type shall meet the requirements of Federal Specification SS-A-118b, and shall be Class A non-combustible as tested and reported by the Acoustic Materials Association; flame spread rating ASTM E 84 - AMA Class I (0-25). They shall have a noise-reduction coefficient of more than .65, and a light reflectance 'a' of over 75%. The thickness and size of units, design and face edges shall be as indicated on the drawings. Color shall be white; pattern shall be as selected. Sizes of panels shall be 24" x 48" x a minimum of 5/8" thick. Panels shall be equal to that as manufactured by The Celotex Corporation, National Gypsum Company, Armstrong Cork Company, and Owens-Corning Fiberglas Corporation.

4.2 Suspension System - The suspension system for supporting the lay-in type panels shall be a T and T system. T runners and T splines shall be heavy duty type with exposed surfaces finished with factory applied white baked on enamel.

5.0 INSTALLATION

5.1 Suspension system shall be installed as shown on the drawings or directed by the manufacturer on approved shop drawings, and shall be leveled before panels are installed.

5.2 T runners shall be installed on 48" centers by means of wire or steel strap hangers. T splines shall be supported off of the T runners on 24" centers. All T runners and T splines shall be straight in alignment and flush at all intersections. The assembled grid shall be leveled to within 1/8" in 12". A metal edge moulding (same finish as T shapes) shall be installed wherever the suspended grid abuts walls, columns or any other vertical surface.

* * * * *

KEN 005293

ACOUSTICAL CEILING

SPECIFICATION NO. 7148(3-4)

Design Drawings

Number	Title
601119	Coiler Pulpit and Director Room - Plans, Elevations & Details
601122	Finishing Mill Pulpit and Mill Office Complex - Elevation
601123	Finishing Mill Pulpit and Mill Office Complex - Sections & Details
601124	Finishing Mill Pulpit and Mill Office Complex - Sections & Details
601125	Finishing Mill Pulpit and Mill Office Complex - Sections & Details
601126	Schedule and Operating Office Complex - Plans & Elevations
601127	Schedule and Operating Office Complex - Sections & Details
601136	Room Finish Schedule
601146	Roughing Pulpit No. 2 and Maint. Shop - Elevations
601147	Roughing Pulpit No. 2 and Maint. Shop - Building Sections & Details
601148	Roughing Pulpit No. 2 and Maint. Shop - Miscellaneous Details
601149	Roughing Pulpit No. 2 and Maint. Shop - Miscellaneous Details
601151	Roughing Pulpit No. 6 - Plans & Details
601157	Finishing Mill - Reflected Ceiling Plans

KEN 005294