

ATTACHMENT
RIDER
"A"



ASBESTOS
ABATEMENT AND RESTORATION
OF
A/C AREA

J-M MANUFACTURING COMPANY
DENISON, TEXAS

FEBRUARY 1, 1990

ROBERT L. BATTS

FEB 15 1990

D 003618

ARTICLE 1
SCOPE OF WORK

DESCRIPTION OF WORK DEMOLITION AND RENOVATION OF
ASBESTOS-CEMENT PIPE OPERATION DENISON. TEXAS.

LOCATION: DENISON. TEXAS PLANT A/C SHOP AREA OF THE PLANT
HWY 75 NORTH DENISON. TEXAS 75020

SCOPE OF WORK

I. REMOVAL AND ABATEMENT OF ASBESTOS PIPE MANUFACTURING
EQUIPMENT AND CONTAMINATION.

STRIP THE FOLLOWING AREAS OF ALL EQUIPMENT USED IN THE A/C
PIPE OPERATION AND ALL RELATED EQUIPMENT AND CLEAN AREAS AS REQUIRED
BY STATE AND FEDERAL REGULATIONS: TACB. EPA. AND OSHA.

QUALITY ASSURANCE STANDARDS:

- THE CONTRACTOR SHALL COMPLY WITH THE LATEST REQUIREMENTS OF
THE FOLLOWING REGULATIONS AND PUBLICATIONS GOVERNING ASBESTOS
STRIPPING. REMOVAL. ENCAPSULATION. DECONTAMINATION AND DISPOSAL:

(a.) U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA)
REGULATIONS FOR ASBESTOS (CODE OF FEDERAL REGULATIONS TITLE 40. PART
61. SUBPARTS A AND B).

(b.) U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) ASBESTOS REGULATIONS (CODE OF FEDERAL REGULATIONS TITLE 29. PART 1910. SECTION 1910.1001).

(c.) U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES AND TOXIC SUBSTANCES PUBLICATION "GUIDANCE FOR CONTROLLING FRIABLE ASBESTOS-CONTAINING MATERIALS IN BUILDINGS" (EPA 560/5-83-002).

(d.) NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH (NIOSH) PUBLICATIONS. "RESPIRATORY PROTECTION . . . AN EMPLOYER'S MANUAL" AND "RESPIRATORY PROTECTION . . . A GUIDE FOR THE EMPLOYEE."

(e.) U.S. DEPARTMENT OF TRANSPORTATION (DOT) HAZARDOUS MATERIALS REGULATIONS. CODE OF FEDERAL REGULATION TITLE 49.

(f.) ALL STATE AND LOCAL ORDINANCES, REGULATIONS. OR RULES PERTAINING TO ASBESTOS. INCLUDING ITS STORAGE. TRANSPORTATION. AND DISPOSAL.

II. ANY QUESTIONS PERTAINING TO THE PROJECT DETAILS (DEMOLITION AND REMOVAL OF EQUIPMENT) OUTLINED IN THE SCOPE OF WORK MAY BE DIRECTED TO THE J-M MFG. ON-SITE REPRESENTATIVE.

III. THE CONTRACTOR WILL ISOLATE ASBESTOS CLEANUP AREAS OF ACTIVITY FROM J-M WORKERS. WITH CURTAINS OR OTHER SUITABLE BARRIERS WHERE APPLICABLE.

IV. J-M MFG. CO. INC.. AS OWNER. WILL BE RESPONSIBLE FOR SECURING PERMITS CONCERNING LANDFILL AND/OR OTHER OWNER

RESPONSIBILITIES. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL PERMITS PERTAINING TO THE PROJECT SO AS TO BE IN COMPLIANCE WITH ALL REGULATIONS OF LOCAL, STATE, AND FEDERAL AGENCIES. AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR WILL PROVIDE WRITTEN EVIDENCE THAT AIR MONITORING OF THE WORK AREA WAS IN COMPLIANCE WITH OSHA REGULATIONS. SAMPLES TO BE COLLECTED BY QUALIFIED PERSONNEL AND ANALYZED BY QUALIFIED INDEPENDENT LABORATORY. AND THE J-M MFG. COMPANY WILL BE HELD FREE OF PRESENT AND FUTURE LIABILITY. AS REGARDS TO THE SCOPE OF THIS PROJECT.

V. THE CONTRACTOR WILL BE ALLOWED TO DISPOSE OF ALL ASBESTOS CONTAMINATED MATERIALS IN THE ON SITE WASTE DISPOSAL AREA. USING THE GUIDELINES OF PARAGRAPH (I) SCOPE OF WORK. AND UNDER THE SUPERVISION OF J-M MFG. REPRESENTATIVE.

ALL INTERIOR WALLS, CEILINGS, AND PERMANENT STEEL STRUCTURES WILL BE CLEANED BY WATER OR VACUUM. TO PROTECT ELECTRICAL EQUIPMENT. IT MAY BE NECESSARY TO USE VACUUM ONLY. ALL INTERIOR WALLS AND CEILINGS SHALL BE COATED WITH A APPROVED ENCAPSULATING MATERIAL.

THE CONTRACTOR IS TO RECEIVE ALL VALUE OF SALVAGED EQUIPMENT. ALL OTHER DISMANTLED EQUIPMENT USED IN THE MANUFACTURING OF A/C PIPE WILL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR DISPOSITION. ACTIONS WILL BE APPLICABLE TO FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS: SUCH AS TACB, EPA, AND OSHA.

VI. THE CONTRACTOR WILL BE REQUIRED TO SECURE A PERFORMANCE BOND IN THE AMOUNT OF TWO HUNDRED THOUSAND DOLLARS (\$200,000.00) FOR COMPLIANCE WITH THE SCOPE OF WORK.

ARTICLE 2
SCOPE OF WORK
RESTORATION

II. RESTORATION OF FLOORS. PITS. AND PERMANENT BUILDING STRUCTURE: STEEL BEAMS. COLUMNS. PURLINS. WALLS AND ROOF AREAS SHALL BE RESTORED OR ALTERED AS FOLLOWS:

(a.) RESTORE FLOOR AREA AND FILL IN PITS. REMOVE ALL CURBS AND/OR EQUIPMENT FOOTINGS THAT ARE ABOVE FLOOR ELEVATION OF 544 FT. REPLACEMENT OF RECLAIMED FLOOR AREAS WILL REQUIRE 6" THICK MINIMUM 4000 PSI 3 1/2" SLUMP MAXIMUM WITH 6x6 WELDED WIRE FABRIC AT MID THICKNESS.

FLOOR IS TO HAVE FLOAT FINISH WITH TROVELED JOINTS. MAXIMUM LENGTH BETWEEN CONSTRUCTION JOINTS SHALL BE 25 FEET.

ALL CONSTRUCTION JOINTS MUST BE DOWELLED AND KEYED.

THE INTERFACE BETWEEN THE EXISTING FLOOR AND NEW FLOOR SHALL BE ALONG A UNIFORM STRAIGHT-LINE SAW CUT, OR ALONG AN EXISTING CONSTRUCTION JOINT.

THERE WILL BE NO PITS OR SLOPING FLOOR AREAS REMAINING AFTER ALL EQUIPMENT HAS BEEN REMOVED.

CONCRETE REMOVED FROM FLOOR DEMOLITION MAY BE BURIED IN THE PITS AS LONG AS COMPACTION SPECIFICATION OF 90% CAN BE MET.

(b.) CONCERNING STEEL BEAMS. COLUMNS. AND PURLINS AND THEIR EFFECT ON THE BUILDING STEEL STRUCTURE:

IF DAMAGE, DUE TO THE REMOVAL OF EQUIPMENT OR BRACES, ADVERSELY AFFECTS THE MAIN BUILDING STEEL STRUCTURE THEN REPAIRS AND/OR REINFORCEMENTS MUST BE MADE.

(c.) TORCHED CUTS AND WELDED AREAS WILL BE GROUND SMOOTH AND CLEANED OF ALL SLAG WHERE EQUIPMENT OR SUPPORTING STEEL HAS BEEN CUT AWAY FROM PERMANENT BUILDING STRUCTURE. THE AREA WILL BE PAINTED WITH A HIGH QUALITY PRIMER TO PREVENT RUST.

(d.) CONCERNING REMAINING WALL AND ROOF AREAS:

ALL PENETRATIONS THROUGH WALLS AND ROOF OF PERMANENT STRUCTURES WILL BE REPAIRED IN LIKE MANNER OF EXISTING CONSTRUCTION. (NOTE: THE USE OF TUFF-SPAN FOR BUILDING COMPONENTS CORRUGATED 4.2 PITCH OR EQUIVALENT IS ACCEPTABLE TO MATCH EXISTING CORRUGATED SIDING.)

(e.) ALL MAJOR UTILITY SERVICE LINES WILL REMAIN:

ELECTRICAL, WATER, AIR, AND GAS. ALL TERMINATION POINTS WILL BE SPRAY PAINTED RED. MECHANICAL AND ELECTRICAL DRAWINGS OF SERVICE LINES WILL BE MARKED ON DRAWINGS FOR ADDED CLARIFICATION. IF THERE ARE ANY QUESTIONS, CONTACT J-M MFG. REPRESENTATIVE.

ANY BRACING OR SUPPORTS FOR UTILITY SERVICE LINES THAT ARE REMOVED BY EQUIPMENT DEMOLITION WILL BE REPLACED IN A MANNER TO ADEQUATELY SECURE UTILITY SERVICE PIPING. NO PIPING OR CONDUIT WILL BE LEFT UNSUPPORTED. ATTACH TO MAIN BUILDING STRUCTURE IF NECESSARY.

STEAM AND CONDENSATE LINES WILL BE REMOVED.

ALL ASBESTOS CONTAINED INSULATION WILL BE REMOVED AND PROPERLY DISPOSED OF IN ON SITE WASTE DISPOSAL AREA.

SCOPE OF WORK

SECTION I

A BREAK-DOWN OF PLANT BY AREAS AND GENERAL PURPOSE OF AREAS CONCERNING THEIR USE IN THE PRODUCTION OF A/C PIPE ARE FOUND ON DRG. NO. SK-12-3A-81. ALL LOCATION AND BUILDING REFERENCES CAN BE FOUND ON THIS DRAWING.

LISTED BELOW IS A GENERAL EQUIPMENT LIST OF EACH AREA. THIS LIST IS NOT ALL INCLUSIVE OF EQUIPMENT OR WORK TO BE DONE.

AREAS A, B, AND C ARE LISTED BELOW AND LOCATED IN BUILDING #1.

ALL ITEMS BELOW ARE TO BE REMOVED IN THEIR ENTIRETY UNLESS OTHERWISE SPECIFIED.

(A) A/C FORMING DEPARTMENT: AREA (A), BUILDING #1.

- a. 13' A/C pipe machine
- b. 10' A/C pipe machine
- c. shot blaster for cleaning mandrels
- d. lower mezzanine between 13' and 10' pipe machine
- e. steam heating units(2) along with steam and condensate lines in this portion of the building.
- f. all electrical hoists, beams, and supports.
- g. muratic acid tank and concrete pad. (located appx. 50' west of section A, building #1) (note: ground area is to be leveled.)

(B) ASBESTOS FIBER PROCESSING; AREA (B), BUILDING #1.

- a. 13' and 10' fiber processing equipment.
- b. dust collectors(2 fiber and 1 cement/silica) and all related duct work.
- c. scrap grinding, weighing, and storage bins(4).
- d. scrap crusher (located appx. 60' west of section B, building #1)
- e. fiber loading area, operators station, including duct work and air conditioning unit located on top of building.
- f. steam heater unit(1) and related piping, etc. in this area.

(C) A/C FINISHING DEPARTMENT; AREA (C), BUILDING #1.

- a. universal pipe lathe(2) or UPL(2) and MOA lathe lines complete with hydro testers and related equipment utility service lines. (note:concerning utility termination points, see Article 2. Section E.)
- b. mezzanine located between #1 and #2 UPL lines. (note: a 10' section of mezzanine at west end supporting MCC 4 and MCC 5 is to remain.)
- c. slash saw and related equipment.

D 003625

- d. finishing department dust collectors(2), all related equipment utility service lines, and all dust collector lines and/or duct work.
- e. included in this area are a number of small pieces of equipment also to be removed. These pieces are listed below.
 - 1. large coupling cutoff.
 - 2. small coupling cutoff.
 - 3. #1, #2, and #3 universal coupling lathe.
 - 4. 1 boring mill
 - 5. special lathe. monolithic. taper, fittings, tracer, nipple, and sample.
 - 6. radial drill.
 - 7. molding swing saw and molding vent hood with related equipment.
 - 8. large and small coupling testers.
 - 9. molding band saw.
 - 10. all electric hoists.

SCOPE OF WORK
SECTION II

AREA D IS LISTED BELOW AND LOCATED SOUTH OF BUILDING #1. (#10-A)
ALL ITEMS BELOW ARE TO BE REMOVED IN THEIR ENTIRETY UNLESS
OTHERWISE SPECIFIED.

(D) AUTOCLAVES AND INSTRUMENT SHED; AREA (D), BUILDING #10-A

- a. autoclave units(7) measuring 90" in diameter and 176' in length.
 - 1. all tank footings are to be removed and area to be covered with 8" crushed rock (grade A) rolled and packed to grade level.
- b. concrete curb area (located north of tanks) shall be removed and pit area is to be filled with crushed rock.
- c. condensate pit (located at east end).
 - 1. curb to be removed and pit filled, compacted, and topped with 8" crushed rock rolled and packed.
- d. all utility service lines to be removed and terminated.
(note: concerning utility termination points, see Article 2. Section E.)

SCOPE OF WORK
SECTION III

AREA E IS LISTED BELOW AND LOCATED WEST OF AREA (A), BUILDING #1.
ALL ITEMS BELOW ARE TO BE REMOVED IN THEIR ENTIRETY UNLESS
OTHERWISE SPECIFIED.

(E) SAND DRYER AND BALL MILL SILICA AND CEMENT PUMPING
OPERATION: AREA (E), BUILDING #4A AND #4B

- a. sand drying elevator, storage bins, feeder system and dryer shell. (note: machinery footings to be removed and floor area to be finished on grade.)
- b. dry sand scrubber, storage bins, ball mill, classifier, cyclone, dry silica bin, pumping station, and all silica conveying lines from ball area to pipe machine area. (see note above concerning floor finishing.)
- c. dust collector with all duct work and support structure including footings.
- d. all utility service lines. (note: see Article 2, Section E for termination instructions.)
- e. cement pump and piping from pump station to building #1 pipe machine area and services. (see above note.)

SCOPE OF WORK
SECTION IV

AREA F IS LISTED BELOW AND LOCATED WEST OF AREA (B). BUILDING #1.
ALL ITEMS BELOW ARE TO BE REMOVED IN THEIR ENTIRETY UNLESS
OTHERWISE SPECIFIED.

(F) STEAM GENERATION AND WATER TREATMENT FACILITIES; AREA (F),
BUILDING #5.

- a. 30,000 lb's per hour boilers(2).
- b. all steam and condensate piping to and from boiler house to main plant, lining bldg, and lining ovens.
- c. all feed water pumps and piping. water filters and softner tanks and brine storage pit, pump and tank.
- d. D.A. tank with related piping.
- e. clear well tank, controls and related piping.
- f. solids content tank controls and related piping.
- g. boiler water chemical treatment mix tanks and all related piping and controls.
- h. fuel oil tanks 5,000 gal. #2 diesel (located north of boiler house). Remove footings and dike around tanks.

SCOPE OF WORK

SECTION V

Area G is an A/C Epoxy Lining Equipment Area. All contents of this area are to be removed and restored by the Contractor.

OTHERS

SECTION VI

1. Contractor will be allowed to keep and MUST remove as part of this contract the following items:
 - A. 4 Platform Lifts
 - 3 Sweepers
 - 2 Fork Lifts

All the above equipment will be sold "As Is Condition". The Owner will assume no responsibility for such equipment.

 - B. All the A/C Pipe and Couplings in the Storage Yard.
2. Contractor has the option to buy the existing Rubber Ring Inventory at a cost of \$3,000.00 (Three Thousand Dollars & 00/100). This offer will expire on May 16, 1990.

D 003630