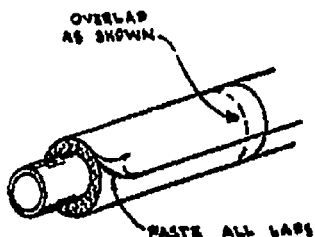


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Carey

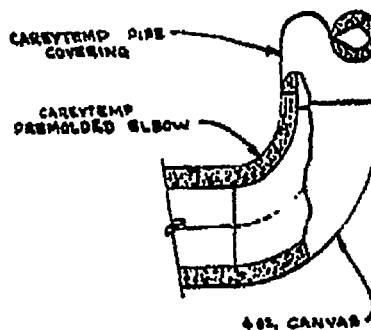
TYPE I - HEATING AND
AIR CONDITIONING
Where Low Initial Investment
is Prime Consideration

STEAM SUPPLY AND RETURN PIPING (This specification may also be used for Domestic Hot Water Systems) shall be insulated with Careytemp Pipe Insulation with a factory applied standard weight canvas jacket. The insulation shall be closely butted together and secured in place by pasting down the canvas lap. Elbows shall be insulated with Premolded Careytemp Elbow covers wired in place and finished by pasting on a 4-ounce canvas jacket. Other fittings, flanges and valves shall be insulated with covers fabricated from Careytemp Pipe Insulation or built-up with MW-One Cement. Finish with 4-ounce canvas pasted in place.

See High Temperature section of this manual for recommended Careytemp thicknesses.



PIPE INSULATION DETAIL



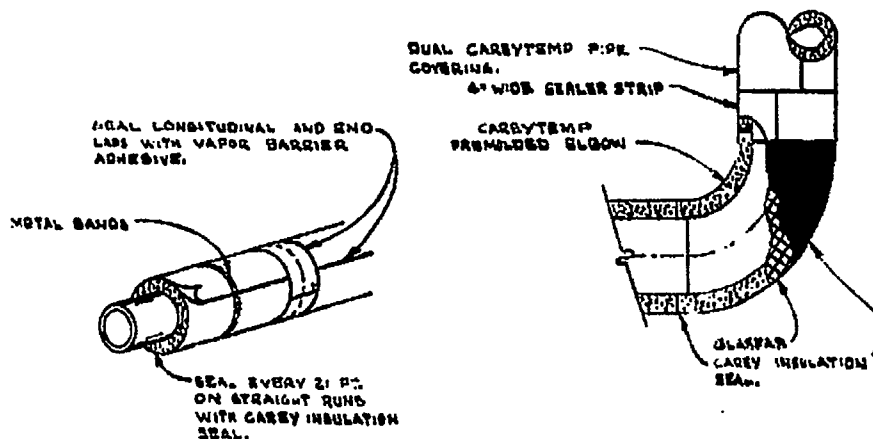
FITTING INSULATION DETAIL

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**TYPE I - HEATING AND
AIR CONDITIONING**
Where Low Initial Investment
is Prime Consideration

COMBINATION HOT AND CHILLED WATER SUPPLY AND RETURN PIPING (This specification may also be used for Domestic Cold Water Piping) shall be insulated with Dual Careytemp Pipe Covering with a factory applied fire resistant vapor barrier jacket. The vapor barrier longitudinal and end laps shall be sealed with a suitable vapor barrier adhesive and secured with metal bands installed at the end laps and in the center of each section. Elbows shall be insulated with Premolded Careytemp Elbow Covers and all other fittings, flanges, and clamp hangers shall be insulated with fabricated covers made from Careytemp Pipe Insulation pointed with MW-One Cement. All fittings shall be finished by spiral wrapping with insulating tape, open mesh glass cloth or glass fabric and final coating of the surface with Carey Insulation Seal. Ends of pipe insulation shall be sealed with Carey Insulation Seal at all valves, fittings, flanges, hangers and at least every 21 feet on straight runs.



PIPE INSULATION DETAIL

FITTING INSULATION DETAIL

Recommended thicknesses for 35°F. to 350°F. at ambient air conditions of 90°F. and 80% R.H.

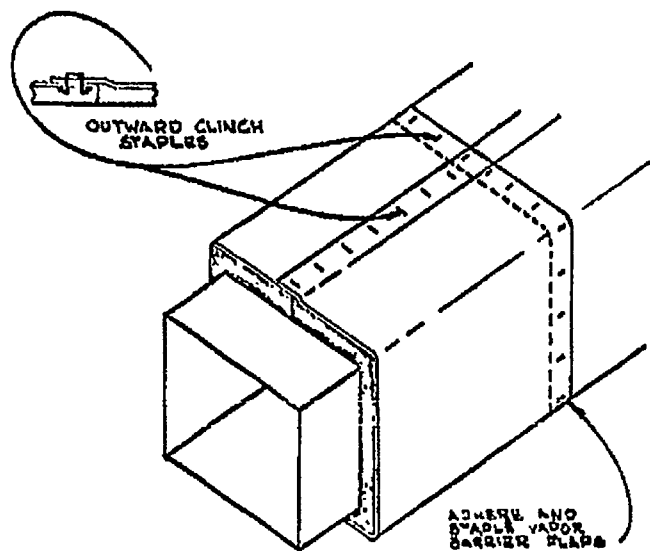
1" Thick	up to 4" IPS
1-1/2" Thick	5" thru 12" IPS
2" Thick	14" thru 24" IPS

420792



TYPE I - HEATING AND
AIR CONDITIONING
Where Low Initial Investment
is Prime Consideration

HEATING AND AIR CONDITIONING DUCTS. All air conditioning or combination heating and cooling supply ducts including return and fresh air plenums and all outside air ducts shall be insulated with Carey No. 751 Thermoglas Roll Form Insulation (3/4lb. density) faced one side with .001" Aluminum Foil or Sisalkraft Paper with a 2" tab on one edge. Wrap insulation on ducts with the facing overlapping all joints at least 2" and secure laps with a suitable vapor barrier adhesive and staples on approximately 4" centers. On ducts 30" and greater in width the insulation shall be additionally bonded to the duct surface with a suitable adhesive (spot application) and the underside of the duct shall have mechanical fasteners applied on not more than 18" centers (sheet metal screws and caps, welded pins and clips, etc.) Where the fasteners puncture the facing a 4" square piece of glass fabric shall be used to seal the opening. This glass cloth shall be embedded in Carey Insulation Seal.

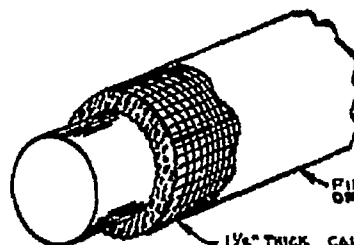


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TYPE I - HEATING AND
AIR CONDITIONING
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is Prime Consideration

BREECHINGS for heating boilers shall be insulated with Carey Style No. 203-A Mineral Wool Industrial Blankets, 1-1/2" thick, secured in place with 16 gauge black iron wire. The blankets shall be installed with the rib lath facing the breeching and the wire mesh facing out. A 1/2" thick coat of Carey MW-One Cement shall be troweled smoothly over the wire mesh,



FINISH WITH 1/2" LAYER
OF MW-ONE CEMENT

1 1/2" THICK CAREY STYLE NO. 203-A
MINERAL WOOL INDUSTRIAL BLANKET
INSTALLED WITH 16" RIB LATH FACING
BREECHING & WIRE MESH FACING OUT.

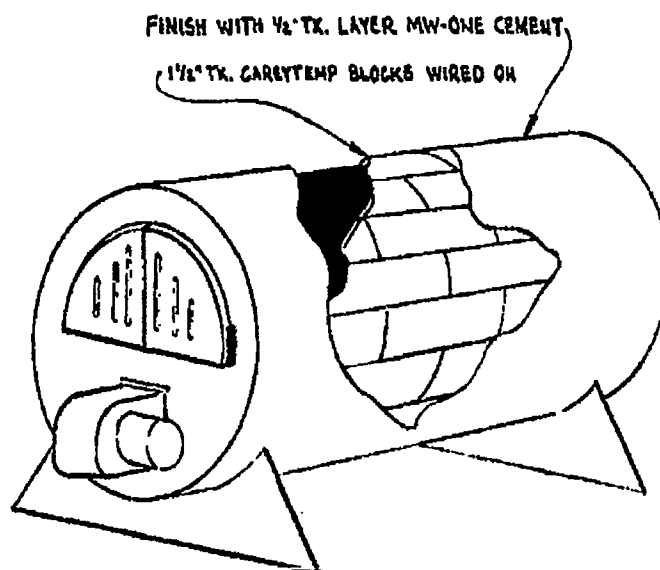
420794

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Carey

TYPE I - HEATING AND
AIR CONDITIONING

Where Low Initial Investment
is Prime Consideration

LOW PRESSURE HEATING BOILERS shall be insulated with 1-1/2" thick Caroytemp Block. The block shall be laid up with all joints staggered and securely wired in place. As an aid in holding blocks until wire on, Careytemp Adhesive may be used for a temporary bond. A spot application will suffice. Finish with a smooth trowel coat of Carey MW-One Cement over the blocks. Do not insulate the front of hand fired boilers.



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