



Project No.
Page 1 of 2

Fire-Rated Ductwork

Section 15880
Section 15900 (Air Distribution)

PART 1 – GENERAL

Specification including product and testing standards required to meet Canadian building code requirements for commercial kitchen grease duct systems rated for zero clearance to combustibles and 1 or 2-hour fire rated ventilation air duct supply systems.

1.1 Related Sections:

- Section 07270 – Firestopping
- Section 09250 – *Gypsum Wallboard Systems
- Section 15010 – Mechanical General Requirements
- Section 15250 – *Insulation

* - References to Fire-Rated Ductwork are included in these sections

1.2 – Reference Standards

- A. ULC Canadian Standard for internal grease duct testing.
- B. ISO-6944 – 1985 Part 24 Fire Resistance Tests – external fire testing for Grease Ductwork and 1 or 2-hour fire rated Ventilation Air Ducting
- C. ULC-S115-95 Standard for Through Firestop Penetrations
- D. NFPA 96, 1994 Edition, Ventilation Control & Fire Protection of Commercial Cooking Operations.

1.3 – Shop Drawings

- E. Submit shop drawings and applicable WH system information to the Mechanical Engineer prior to proceeding.

1.4 – Engineer Review

Project requires a representative from the manufacturer to conduct product installation training, and supply both initial & completed project reviews. A letter of inspection and a deficiency list must be supplied to help ensure that the project has been completed correctly.



Project No.
Page 2 of 2

Fire-Rated Ductwork

Section 15880
Section 15900 (Air Distribution)

Part 2 – PRODUCTS

- .1 Fire Resistant Duct Insulation – Biosoluble duct wrap insulation which is totally encapsulated to meet the durability requirements of NFPA-96. Product must meet the 25/50 flame spread and smoke development ratings as required in the applicable Canadian building code.
- .2 Acceptable Products –
'Quickwrap™ ONE' Duct Wrap Insulation supplied by:
Eastern Wire + Conduit
Contact: Illya Kornobis, Cell: (416) 550-0189, Fax: (905) 731-9570

Part 3 – INSTALLATION DETAILS

- .1 Ensure all banding and pinning is in accordance with listing documents. Cup-head weldpins® may be used when installed per WH listed system.
- .2 Support Rods and Cradles must be properly sized per Quickwrap™ ONE listed system and spaced a maximum of 5' 0" apart.
- .3 Firestop systems for Ductwork 'through-penetrations' in Fire Separations must be installed per WH approved listing EWC-PHV/120-01 both for application details & substrate allowances.
- .4 Seams: A 1" compression is required in all seam directions when using the Quickwrap™ ONE 'Double Banding' Method and the 'Pinning Only' Method. Any visual gaps no greater than ½" can be remedied by adding a piece of Quickwrap™ ONE which is 1" greater than the gap and compressed into place. Additional pins or bands must be added at these points to increase installation integrity.

- END OF SECTION -