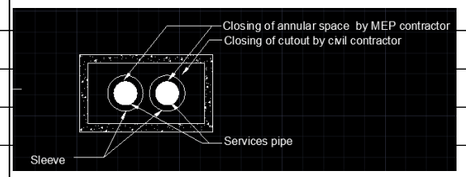
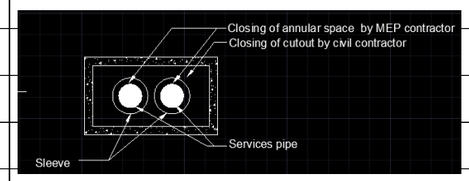
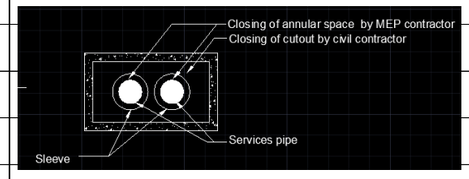
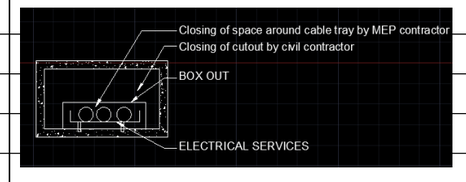
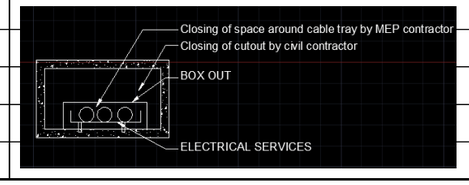
SCOPE MATRIX FOR FIRE SEALANT

Rev	3
Date	8/24/2016

Sr. No	Description	Area of application	Material	Within sleeve, left over annular spaces after installation of services	Within MEP opening, remaining spaces around the sleeves	Remarks
A	**Fire Fighting system**					
1	**Horizontal Penetrations**	a) From FHC to lobby (between different fire zone)	Non Fire stop insulating PU based foam.	FF contractor	Civil	
		b) From lobby to Apartments (between different fire zone)	Fire sealant	FF contractor	Civil	
		c) Inside Flat (within same fire zone)	Non Fire stop insulating PU based foam.	FF contractor	Civil	
		d) Inside Flats (within different fire zone)	Fire sealant	FF contractor	Civil	
2	**Vertical Penetrations**	a) In FHC & other fire pipe (Where FHC is located in naturally ventilated lobby/corridor)	Non Fire stop insulating PU based foam.	FF contractor	Civil	
		a) In FHC & other fire pipe (Where FHC is located in airconditioned lobby/corridor)	Fire sealant	FF contractor	Civil	
B	**Plumbing system**					
1	**Horizontal Penetrations**	a) From external plumbing shaft to apartment's toilet/kitchen (non fire zone)	Non Fire stop insulating PU based foam.	PL contractor	Civil	
		b) From apartment's habitable area to kitchen (Between different fire zone)	Fire sealant	PL contractor	Civil	
		c) Inside Flat from one toilet to another toilet (within same fire zone)	Non Fire stop insulating PU based foam.	PL contractor	Civil	
2	**Vertical Penetrations**	a) With in plumbing shaft - Externally Located & naturally ventilated.	Non Fire stop insulating PU based foam.	PL contractor	Civil	
		a) With in plumbing shaft - Internally Located in the building.	Fire sealant	PL contractor	Civil	
		b) Inside toilet - WB drain, FD & Soil Pipe Openings	Concrete/cement filling	Civil	Civil	
C	**HVAC System**					
1	**Horizontal Penetrations. (Duct & Refrigerent Pipe)**	a) From external shaft to apartment's toilet/kitchen - (non fire zone)	Non Fire stop insulating PU based foam.	HVAC contractor	Civil	
		b) From apartment's habitable area to kitchen (Between different fire zone)	Fire sealant	HVAC contractor	Civil	
		c) Inside Flat from one room to another room (within same fire zone)	Non Fire stop insulating PU based foam.	HVAC contractor	Civil	
2	**Vertical Penetrations (Duct & Refrigerent Pipe)**	a) With in shaft - Externally Located & naturally ventilated.	Non Fire stop insulating PU based foam.	HVAC contractor	Civil	
		a) With in shaft - Internally Located in the building.(Different Fire zone)	Fire sealant	HVAC contractor	Civil	
C	**LV system**					
1	**Horizontal Penetrations**	a) From LV shaft to lobby (between different fire zone)	Fire sealant	LV contractor	Civil	
		b) Service lobby to typical lobby (within same fire zone)	Non Fire stop insulating PU based foam.	[Note-3] LV contractor	Civil	
		c) Service lobby to typical lobby (where either of the lobbies are airconditioned)	Fire sealant	[Note-4] LV contractor	Civil	
		d) From lobby to apartment with FF piping complete (Between different fire zone)	Fire sealant	[Note-4] LV contractor	Civil	
		e) Inside apartment' habitable area to other area (within same fire zone)	Non Fire stop insulating PU based foam.	LV contractor	Civil	
2	**Vertical Penetrations**	a) LV shaft, bus riser, etc.	Fire sealant	LV contractor	Civil	
D	**ELV system**					
1	**Horizontal Penetrations**	a) From ELV shaft to lobby (between different fire zone)	Fire sealant	LV contractor	Civil	
		b) Service lobby to typical lobby (within same fire zone)	Non Fire stop insulating PU based foam.	[Note-2] LV contractor	Civil	
		c) From lobby to apartment (Between different fire zone)	Fire sealant	LV contractor	Civil	
		d) Inside apartment' habitable area to other area (within same fire zone)	Non Fire stop insulating PU based foam.	LV contractor	Civil	
2	**Vertical Penetrations**	a) ELV shaft, etc.	Fire sealant	LV contractor	Civil	

Note:

1. Document to be refer in conjunction with the typical installation details & Specification.
2. Filling material shall be as per typical installation details, specification or as advised by OEM.
3. Applicable if either of the lobbies are Air-conditioned.
4. If single opening is shared between LV & other services, same shall be scope of electrical contractor for closing the opening with fire sealant.

Abbreviation

FF	Fire Fighting
PL	Plumbing
LV	Low voltage
HVAC	HVAC contractor