

	UL/cUL SYSTEM NO. C-AJ-5444		
INSULATED METAL	PIPE THROUGH CONCRETE FL	OOR/WALL OR	
CONC	CRETE BLOCK WALL ASSEMBL	Y	Σ
		<u> </u>	CAJ5444a.010721
	F-RATING = 2-HR.		la.0`
	T-RATING = 0-HR.		5444
			CAJ
			Ũ
1. CONCRETE FLOOR OR WALL ASSE			
	IGHT CONCRETE FLOOR (MINIMUM 4-1/	2" THICK).	
B. ANY UL/cUL CLASSIFIED CONC			
2. PENETRATING ITEMS TO BE ANY O			
	ER STEEL PIPE (SCHEDULE 40 OR HEA	VIER).	
B. MAXIMUM 4" NOMINAL DIAMET			
C. MAXIMUM 4" NOMINAL DIAMETER COPPER PIPE OR TUBING (TYPE L OR HEAVIER). D. MAXIMUM 4" NOMINAL DIAMETER STEEL CONDUIT.			
	EINSTALLED WITH ONE OF THE FOLLO	NING ·	
	ER PIPE INSULATION (MIN. 3.5 PCF DEN		VICE
JACKET.			
B. NOMINAL 1/2" TO 1" THICK AB/	PVC PIPE INSULATION.		
	HILTI FS-ONE MAX INTUMESCENT FIRE	STOP SEALANT, HILT	TI CP 619T
	P 617 FIRESTOP PUTTY STICK POSITION		
	IND THE PERIMETER OF THE OPENING.		
5. HILTI CFS-COS FIRESTOP COMPOSITE SHEET CUT TO OVERLAP FLOOR OR WALL A MINIMUM OF 2".			
COMPOSITE SHEET INSTALLED WITH THE ALUMINUM FOIL FACING AGAINST THE FLOOR OR WALL AND			
SECURED WITH MINIMUM 3/16" DIAMETER BY 1-1/4" LONG STEEL ANCHOR SCREWS WITH 1-1/4"			
DIAMETER STEEL FENDER WASHERS AT MAXIMUM 2" FROM ENDS AND MAXIMUM 6" C/C. COMPOSITE			
SHEET CUT TO TIGHTLY FOLLOW THE CONTOUR OF THE PENETRANTS. AS AN ALTERNATIVE TO			
CONCRETE ANCHORS, WHEN COMPOSITE SHEET OVERLAPS A MINIMUM OF 3" ONTO FLOOR OR WALL SURFACES, 1-1/16" (27mm) LONG HILTI X-GN 27 MX NAILS IN CONJUNCTION WITH MIN 1-1/4" (32mm)			
		N WITH MIN 1-1/4" (32	(mm)
			דדווס
	EL STRIP (MIN. 26 GA.) CENTERED OVER OVER STRIP SECURED TO COMPOSITE		
METAL SCREWS OR STEEL RIVETS			SHEET
7. HILTI CP 648E WRAP STRIP (NOMINAL 3/16" THICK x 1-3/4" WIDE) CONTINUOUSLY WRAPPED AROUND THE OUTER CIRCUMFERENCE OF THE INSULATED PENETRATING ITEM WITH 1" OVERLAP AND ENDS			
HELD IN PLACE WITH TAPE. WRAP STRIP TO BE TIGHTLY BUTTED TO TOP SURFACE OF COMPOSITE			
SHEET IN FLOORS, OR TO OUTER SURFACE OF COMPOSITE SHEET ON BOTH SIDES OF THE WALL.			
INSTALL THREE LAYERS OF WRAP STRIP FOR GLASS-FIBER INSULATED PENETRATING ITEMS AND FOR			
PENETRATING ITEMS WITH NOMINAL 1" THICK AB/PVC INSULATION. INSTALL TWO LAYERS OF WRAP			
STRIP FOR PENETRATING ITEMS WITH NOMINAL 1/2" THICK AB/PVC INSULATION.			
		Sheet 2 of 3	Drawing No.
▏▋ੁ▁▁▕▕▕▝▀─▖▖▅▟▕▋▏	HILTI, Inc.	Scale	CAJ
	Plano, Texas USA (800) 879-8000	- Date	
Hilti Firestop Systems		^{Dale} Jan. 07, 2021	5444a
Saving Li	ves through Innovation and Educ	cation	

