

	cUL SYSTEM NO. F-A-2025	
PLASTIC PIPE THRO	UGH CONCRETE FLOOR OVER	METAL DECKING
	F AND FT-RATINGS = 2-HR.	33
	FH AND FTH-RATINGS = 0-HR.	SQ FT 50759-040453 FT 57059-040453
L-RATIN	IG AT AMBIENT = LESS THAN 1 CFM / S	SQ FTਟੂ
L-RAT	ING AT 400° F = LESS THAN 1 CFM / SC	۱FT 🖏
NOTE: TES	STED WITH A 50 Pa PRESSURE DIFFER	ENTIAL 🗄
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1. NORMAL WEIGHT CONCRETE FLO	OR (MINIMUM 2-1/2" THICK) OVER MET	AL DECKING (2-HR. FIRE-RATING).
2. PENETRATING ITEM TO BE ANY OF THE FOLLOWING (ALSO SEE NOTE NO. 3 BELOW) :		
A. MAXIMUM 6" NOMINAL DIAMETER PVC PLASTIC PIPE (CELLULAR OR SOLID CORE).		SOLID CORE).
B. MAXIMUM 6" NOMINAL DIAMETER ABS PLASTIC PIPE (CELLULAR OR SOLID CORE).		
C. MAXIMUM 6" NOMINAL DIAMETER FRPP PLASTIC PIPE.		
D. MAXIMUM 6" NOMINAL DIAMETER CPVC PLASTIC PIPE (SDR 11 OR SDR 13.5) (CLOSED PIPING		
SYSTEM ONLY).		
E. MAXIMUM 6" NOMINAL DIAMETER AQUARISE CPVC PLASTIC PIPE (SDR 11) MANUFACTURED BY IPEX,		
INC. (CLOSED PIPING SYSTEM ONLY).		
F. MAXIMUM 6" NOMINAL DIAMETER XFR 15/50 PVC PIPE (CELLULAR OR SOLID CORE).		
G. MAXIMUM 4" NOMINAL DIAMETER RIGID NONMETALLIC CONDUIT (SCH 40 PVC).		
3. SHEET METAL PLATE (MIN. 18 GA.) FASTENED TO VALLEYS OF DECKING WITH 1/4" x 1-1/4" LONG STEEL		
EXPANSION BOLTS WITH STEEL NUTS AND MINIMUM 3/4" STEEL WASHERS OR 0.145 x 1-1/4" LONG		
POWDER ACTUATED FASTENERS WITH 1-7/16" DIAMETER STEEL WASHER, HILTI 1/4" x 1-1/4" LONG		
KWIK-CON II CONCRETE SCREW ANCHOR, 1/4" x 1-3/4" KWIK-BOLT 3 STEEL EXPANSION ANCHOR, OR		
HILTI X-DNI 27 P8 S15 POWDER ACTUATED FASTENER WITH INTEGRATED WASHER AT EACH CORNER, AT		
EACH PLATE/VALLEY INTERSECTION AND AT BOTH SIDES OF SLIT MADE TO PERMIT INSTALLATION		
AROUND PIPE. FASTENERS NOT TO EXCEED 10" SPACING.		
4. HILTI CP 643N FIRESTOP COLLAR WITH FASTENING HOOKS. 5. EACH FASTENING HOOK SECURED TO VALLEY OF DECKING WITH 1/4" x 1-1/4" LONG STEEL EXPANSION		
BOLTS WITH STEEL NUTS AND MINIMUM 3/4" STEEL WASHERS. WHERE ANCHOR HOOKS ARE BENEATH		
THE CREST OF DECKING, SECURE FASTENING HOOKS WITH NO. 10 x 1/2" LONG SELF-DRILLING SELF		
TAPPING STEEL SCREWS AND WASHERS.		
6. MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED TO FILL METAL DECK FLUTES ABOVE METAL		
PLATE AND RECESSED TO ACCOMMODATE SEALANT.		
7. MINIMUM 1/4" DEPTH HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT TO COMPLETELY COVER		
MINERAL WOOL WITHIN FLUTES.		
8. [NOT SHOWN] MINIMUM 1/2" BEAD HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT APPLIED		
AROUND PERIMETER OF METAL PLATE.		
9. MINIMUM 1/2" DEPTH HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT.		
NOTES : 1. MAXIMUM DIAMETER OF	OPENING = 8"	
2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 1-1/2".		
3. CLOSED OR VENTED PIPING SYSTEM (PVC, ABS, FRPP, AND XFR-PVC = SCH 40; CPVC = SDR 11		
OR 13.5).		
10 /) EXTEND MINIMUM 1-1/2" ON THE FLO	OR UNIT VALLEY ON EACH END.
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		Sheet 2 of 2 Drawing No.
	HILTI, Inc.	Scale - CUL
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