FNFRGY RECOVERY HOODINSTALLATION 10/03/2013

ENERGY RECOVERY PLUMBING DETAIL

- 1. CONNECT ENERGY RECOVERY COIL TO INLET COLD WATER SUPPLY
 2. CONNECT ENERGY RECOVERY OUTLET TO FIELD SUPPLIED HOT WATER HEATER
 3. MULTIPLE COILS TO BE PIPED IN SERIES

INCOMING WATER CONNECTION INCOMING WATER PRESSURE (MAX PSI)		MATERIAL	FLOW RATE		
3/4" NPT	· · · · · · · · · · · · · · · · · · ·		5 GPM MAXIMUM		
3/4" NPT 100 PSI MAX INSULATED COPPER OR BRASS *TEFLON TAPE TO BE USED FOR ALL JOINTS, ALL EXTERNAL PIPES TO BE INSULATED *COIL AIR PRESSURE DROP (IN. W.C.) = 1.25E-8 * CFM^2		FLOW RATE (GPM)	PRESSURE DROP (FT H20)	PRESSURE DROP (PSI)	
COLD MATERIAL BROTH WITH THOSE COUNTY			0.5	0.582	0.258
			1.0	0.612	0.268
INCOMING COLD WATER CONNECTION 3/4" BALL VALVE			1.5	0.652	0.278
			2.0	0.712	0.308
3/4" PIPE MINIMUM (FACTORY SUPPLIED)		2.5	0.782	0.338	
COPPER OR BRASS PIPE OUTLET— (FIELD SUPPLIED)			3.0	0.872	0.378
3/4" BALL VALVE (FACTORY SUPPLIED) INLET————————————————————————————————————		3.5	0.982	0.428	
		-PRE-HEATED WATER OUT	4.0 4.5	1.102	0.478
				1.232	0.538
		П	5.0	1.382	0.598
COIL	WATER FLOW DIRECT CHECK N (FIELD SU PRESSURE R (FIELD SUPP)	VALVE JPPLIED)	W BA (F	COMING COI ATER SUPPLY ALL VALVE IELD SUPPLIED; ECK VALVE ELD SUPPLIED) OT WATER SUP JILDING)
	-APPLIANCES (FIELD SUPPLIED)			HOT WATER HE FIELD SUPPLIED IZE VARIES)	ATER)