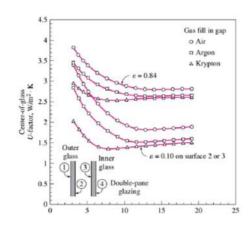
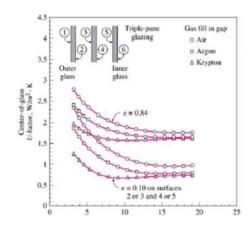
Week 8

PART 1

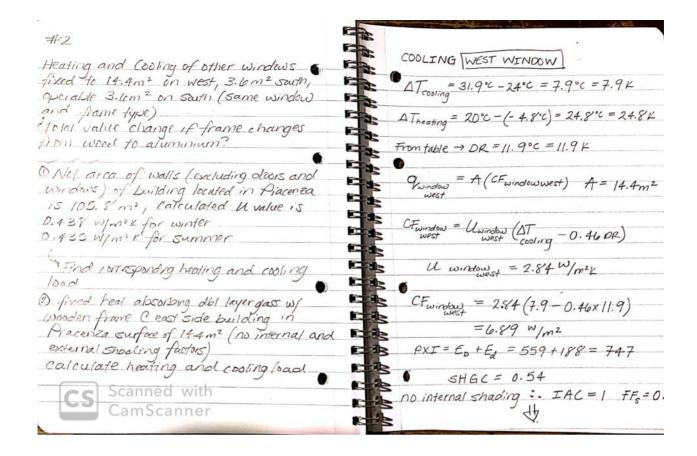
-H=1	
Calculate to is the effect of applying anding our extra pane, using low entry coating) on the U value with according to a benchmare case of double layer	of center Air to Aryon - U value, decreases from 2.8 W/ to 2.65 m/ m/ U value decreases about 6.43%
U value of a window: (13 man gap meeting) U value of a window: Larindow = Ucenter Azenter + Uedge Acedge + Ufam Agram	Air to Krypton -1 U value of center decreases from 2.8 W/m2k to 2.6 /m2k U value decreases about 7.14%
f its a o'blipane window, disregará thermal	when adding extra pane, U value of center decreases from 2.8 "/m" to 1.8" "/ U value decrease about 55.6% Coating glass surfaces w/ film w/ emissivity
hspace = hradapau + honraspace Scanned with CamScanner	Coating glass surfaces w/ film w/ emissivity of 0.1, Uvalue of center of the glass decreases from 2.8 to 1.8 w/m2/,

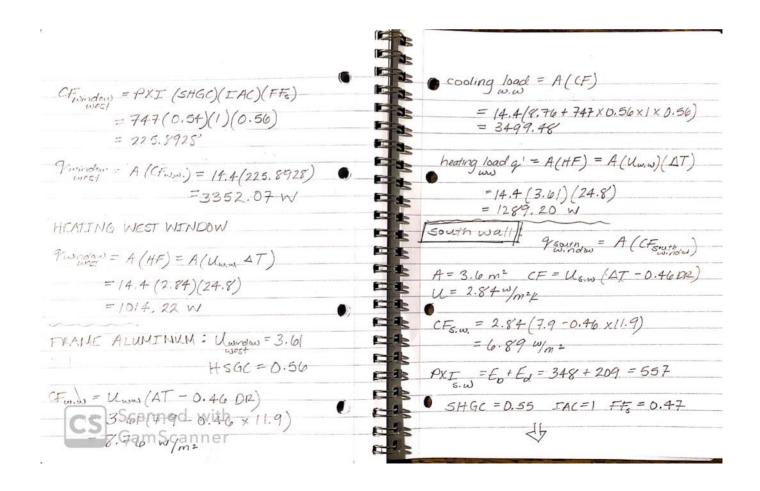


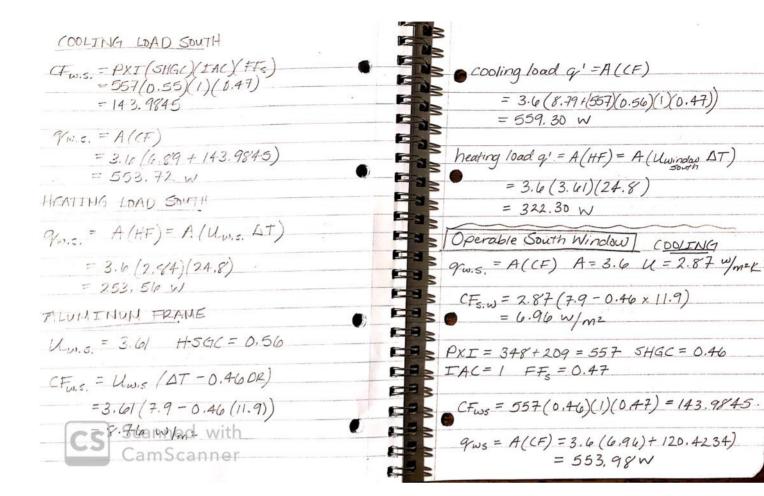


PART 2

						P	IACENZ	A, Italy	ri C					WMO#:	160840				
Lat		Long:	9.73E	Elev:	138	StdP:	99.68		Time Zone:	1.00 (EU	W)	Period	89-10	WBAN:	99999				
Annual He	ating and H	umidificati	on Design C																
Coldest Heating DB Humidification I												PCWD							
Month		-		99.6%			99%			1.4%		1%		6% DB					
10100101	99.6%	99%	DP	HR	MCDB	DP	HR	MCDB	WS	MCDB	WS	MCDB	MCWS	PCWD	l.				
(0)	(b)	(0)	(4)	(0)	(1)	(9)	(h)	(1)	(1)	(k)	(1)	(m)	(n)	(0)					
1	-6.2	-4.8	-11.6	1.4	3.1	-8.8	1.8	1.8	8.8	5.6	7.7	6.2	2.1	250		- (
Annual Co	ooling, Dehu	midificatio	n, and Enth	alpy Design	Conditions								_			1			
Hottest	Hottest	750		Cooling D	B/MCWB					Evaporation WB/MCDB					MCWS/PCWD				
Month	Month	0.	0.4% 1%		2%		2% 0.4% 1%		4% 1%		1% 2% 1		2		% 2%		% to 0.4%		
exicentry	DB Range	DB	MCWB	DB	MCWB	DB	MCWB	WB	MCDB	WB	MCDB	WB	MCDB	MCWS	PCWD				
(*)	(6)	(0)	(d)	(e)	(1)	(g)	(h)	(1)	(j)	(k)	(1)	(m)	(n)	(0)	(P)				
8	11.9	33.1	22.7	31.9	22.4	30.3	21.8	24.6	30.2	23.7	29.2	22.9	28.3	2.4	90	6			







HEATING LOAD
9 w.s = A(HF) = A(U)(AT)
= 3.6 (2.87)(24.8)
= 256.23 W
ALLIMI NUM FRAME UWS = 4.62 HSGC = 0.55
CF = U(AT-0.46)
= 4.62 (7.9 - 0.46 x 11.9) = 11.21 W/m2
cooling q' = A-(CF)
q' = A-(CF) = 3.6 (11.21 + 143.98)
= 558,70 W
Heating $q' = A(u')(\Delta T)$
= 3.6 (4.62)(24.8)
Scanned wiff 412,47 W