WORKSHEET D: OPAQUE PANELS (WOOD & METAL DOORS, WALLS, CEILINGS, ROOFS AND FLOORS)

HVACRedu.net — Workforce Development Online for the HVACR Industry

| Heating Temperature Difference (HTD) > | | CTD for Table 4 CLTD lookup > | | Round CTD value for Table 4 lookup; use + 1 or - 1; or + 2 or - 2; as required (16 = 15; 17 = 15; 18 = 20; 19 = 20 | | | | | | | | |
| Cooling Temperature Difference (CTD) > | | Daily Range for Table 4 CLTD lookup > | | | | | | | | | | |

Col	1	2	3	4	5	6	7	8	9	10	11	12	13
Ref	Table 4A	Survey	Survey	C2 x C3	Survey	C4 - C5	Survey	Table 4A	Wks. A	C8 x C9	Table 4A	Table 4B	C8 x C12
	Construction Number plus Door and Wall Direction	Length (Ft)	Average Height (Ft) or Width (Ft)	Gross Area (SqFt)	Area of Openings (SqFt)	Net Area (SqFt)	Exposed Slab Edge (Ft)	U-Value or Slab F-Value	HTD or PTD-H	Heating HTM	Group Number	CLTD or PTD-C	Cooling HTM
7) Wood and Metal Doors					To J1AE	To J1AE				To J1AE			To J1AE
a													
b					Use gross if < 50%; use French door if > 50%								
c													
d													
8) Above Grade Walls													
a													
b													
c													
d													
e													
f													
8) Partition Walls Use partition temperature difference for heating (PTD-H) and cooling (PTD-C)													
g													
h													
9) Below Grade Walls													
a													
b													
10) Ceilings Slope		For sloped ceiling: Enter slope angle in degrees; then Gross Area = (L x W) / Cosine of slope angle											
a													
b													
c													
10) Partition Ceilings Use partition temperature difference for heating (PTD-H) and cooling (PTD-C)													
d													
e													
11A) Passive Floors (Construction Numbers 20, 21 and 22) Use F-Valve and running feet of exposed edge for slab floors													
a													
b													
c													
11A) Partition Floors (Construction Number 19) Use partition temperature difference for heating (PTD-H) and cooling (PTD-C)													
d													
e													