ClarkDietrich™ Building Systems
BlazeFrame Sound Testing

ClarkDietrich BUILDING SYSTEMS

Product	Assembly Description	STC	WEAL Test No.	Partition Type
BlazeFrame DL Tracks on top only and a 1/2" uncaulked gap at the top of the wall	362 ProSTUD 25 @ 24" o.c. + 3-1/2" R-13 unfaced insulation +1 layer of 5/8" Type X GWB each side. BlazeFrame DL 20 gauge (30-mil) track attached directly to the test frame (not isolated) at the top. 362 ProTRAK 25 attached directly to the test frame (not isolated) at the bottom of the wall. 362 ProSTUD 25 studs attached directly to test frame (not isolated) at the two sides. Three sides of the perimeter were caulked. The 1/2" gap at the top of the wall was not caulked. Vertical joints were not staggered on opposite sides of the wall	48	TL13-222	1
	362 ProSTUD 25 @ 24" o.c. + 3-1/2" R-13 unfaced insulation +1 layer of 5/8" Type X GWB on side and 2 layers of 5/8" Type X GWB on other side. BlazeFrame DL 20 gauge (30-mil) track attached directly to the test frame (not isolated) at the top. 362 ProTRAK 25 attached directly to the test frame (not isolated) at the bottom of the wall. 362 ProSTUD 25 studs attached directly to test frame (not isolated) at the two sides. Three sides of the perimeter were caulked. The 1/2" gap at the top of the wall was not caulked. Vertical joints were staggered between layers of board.	52	TL13-223	2
	362 ProSTUD 25 @ 24" o.c. + 3-1/2" R-13 unfaced insulation + 2 layers of 5/8" Type X GWB on side and 2 layers of 5/8" Type X GWB on other side. BlazeFrame DL 20 gauge (30-mil) track attached directly to the test frame (not isolated) at the top. 362 ProTRAK 25 attached directly to the test frame (not isolated) at the bottom of the wall. 362 ProSTUD 25 studs attached directly to test frame (not isolated) at the two sides. Three sides of the perimeter were caulked. The 1/2" gap at the top of the wall was not caulked. Vertical joints were staggered between layers of board.	54	TL13-224	3
BlazeFrame DL Track on top only and a 3/4" uncaulked gap at the top of the wall	362 ProSTUD 25 @ 24" o.c. + 3-1/2" R-13 unfaced insulation + 2 layers of 5/8" Type X GWB on side and 2 layers of 5/8" Type X GWB on other side. BlazeFrame DL 20 gauge (30-mil) track attached directly to the test frame (not isolated) at the top. 362 ProTRAK 25 attached directly to the test frame (not isolated) at the bottom of the wall. 362 ProSTUD 25 studs attached directly to test frame (not isolated) at the two sides. Three sides of the perimeter were caulked. The 3/4" gap at the top of the wall was not caulked. Vertical joints were staggered between layers of board.	56	TL13-225	3
Chase Wall: Two rows 2-1/2" ProSTUD 15 mil studs with BlazeFrame DL at top of each wall and a 1/2" uncaulked gap at the top of the wall	Parallel Walls: 2 rows of 250 ProSTUD 25 studs (aligned in opposite walls) @ 24" oc (6" out-to-out) with 1" between rows of 250 ProSTUD 25 tracks) + 3 1/2" R-13 insulation in the stud cavities in one wall + 1 layer 5/8" Type X gypsum board each side. Drywall gussets installed at the mid-height (4') of the partition on the intermediate studs. First and last studs did not have drywall gussets attached to them and were attached directly to the test frame. Three sides of the perimeter were caulked. The 1/2" gap at the top of the wall was not caulked. Vertical joints were not staggered on opposite sides of the wall.	53	TL13-226	4
	Parallel Walls: 2 rows of 250 ProSTUD 25 studs (aligned in opposite walls) @ 24" oc (6" out-to-out) with 1" between rows of 250 ProSTUD 25 tracks) + 3 1/2" R-13 in the stud cavities in one wall + 1 layer 5/8" Type X gypsum board on one side and 2 layers of 5/8" Type X GWB on other side. Drywall gussets installed at the mid-height (4') of the partition on the intermediate studs. First and last studs did not have drywall gussets attached to them and were attached directly to the test frame. Three sides of the perimeter were caulked. The 1/2" gap at the top of the wall was not caulked. Vertical joints were staggered between layers of board.	57	TL13-227	5
	Parallel Walls: 2 rows of 250 ProSTUD 25 studs (aligned in opposite walls) @ 24" oc (6" out-to-out) with 1" between rows of 250 ProSTUD 25 tracks) + 3 1/2" R-13 insulation in the stud cavities in each wall + 1 layer 5/8" Type X gypsum board on one side and 2 layers of 5/8" Type X GWB on other side. Drywall gussets installed at the mid-height (4') of the partition on the intermediate studs. First and last studs did not have drywall gussets attached to them and were attached directly to the test frame. Three sides of the perimeter were caulked. The 1/2" gap at the top of the wall was not caulked. Vertical joints were staggered between layers of board.	61	TL13-228	6
	Parallel Walls: 2 rows of 250 ProSTUD 25 studs (aligned in opposite walls) @ 24" oc (6" out-to-out) with 1" between rows of 250 ProSTUD 25 tracks) + 3 1/2" R-13 insulation in the stud cavities in each wall + 1 layer 5/8" Type X gypsum board on one side and 2 layers of 5/8" Type X GWB on other side. No drywall gussets were installed. First and last studs were attached directly to the test frame. Three sides of the perimeter were caulked. The 1/2" gap at the top of the wall was not caulked. Vertical joints were staggered between layers of board.	66	TL13-229	7
	Parallel Walls: 2 rows of 250 ProSTUD 25 studs (aligned in opposite walls) @ 24" oc (6" out-to-out) with 1" between rows of 250 ProSTUD 25 tracks) + 3 1/2" R-13 insulation in the stud cavities in each wall + 2 layers 5/8" Type X gypsum board on one side and 2 layers of 5/8" Type X GWB on other side. No drywall gussets were installed. First and last studs were attached directly to the test frame. Three sides of the perimeter were caulked. The 1/2" gap at the top of the wall was not caulked. Vertical joints were staggered between layers of board.	67	TL13-230	8

Partition Type 1 Partition Type 2 Partition Type 3 Partition Type 4 Partition Type 5 Partition Type 6 Partition Type 7 Partition Type 8