

WALL ASSEMBLIES

NEW CONSTRUCTION - STC 51

- TYPE X DRYWALL 5/8" (16mm)
- TYPE X DRYWALL 5/8" (16mm)
- **SONQpan 3/4" (19mm)**
- WOOD STUDS 2" x 4" (51mm x 101mm) @ 24" (609mm) CC
- **SONQpan 3/4" (19mm)**
- TYPE X DRYWALL 5/8" (16mm)

NEW CONSTRUCTION - STC 53

- TYPE X DRYWALL 5/8" (16mm)
- TYPE X DRYWALL 5/8" (16mm)
- **SONQpan 3/4" (19mm)**
- WOOD STUDS 2" x 4" (51mm x 101mm) @ 24" (609mm) CC
- **SONQpan 3/4" (19mm)**
- TYPE X DRYWALL 5/8" (16mm)
- TYPE X DRYWALL 5/8" (16mm)

NEW CONSTRUCTION - STC 56

- TYPE X DRYWALL 5/8" (16mm)
- TYPE X DRYWALL 5/8" (16mm)
- RESILIENT CHANNEL @ 24" (609mm) CC
- **SONQpan 3/4" (19mm)**
- WOOD OR METAL STUDS 2" x 4" (51mm x 101mm) @ 24" (609mm) CC
- R-13 BATT INSULATION
- TYPE X DRYWALL 5/8" (16mm)

NEW CONSTRUCTION - STC 58

- TYPE X DRYWALL 5/8" (16mm)
- TYPE X DRYWALL 5/8" (16mm)
- RESILIENT CHANNEL @ 24" (609mm) CC
- **SONQpan 3/4" (19mm)**
- WOOD OR METAL STUDS 2" x 4" (51mm x 101mm) @ 24" (609mm) CC
- R-13 BATT INSULATION
- TYPE X DRYWALL 5/8" (16mm)

PARTITION WALL NEW CONSTRUCTION - FSTC 56

- TYPE X DRYWALL 5/8" (16mm)
- WOOD OR METAL STUDS 2" x 4" (51mm x 101mm) @ 16" (406mm) CC
- R-13 BATT INSULATION
- AIR SPACE 1" (25mm)
- **SONQpan 3/4" (19mm)**
- TYPE X DRYWALL 5/8" (16mm)
- WOOD OR METAL STUDS 2" x 4" (51mm x 101mm) @ 16" (406mm) CC
- R-13 BATT INSULATION
- TYPE X DRYWALL 5/8" (16mm)

NEW CONSTRUCTION - STC 58

- TYPE X DRYWALL 5/8" (16mm)
- **SONQpan 3/4" (19mm)**
- WOOD OR METAL STUDS 2" x 4" (51mm x 101mm) @ 24" (609mm) CC
- R-13 BATT INSULATION
- AIR SPACE 1" (25mm)
- WOOD OR METAL STUDS 2" x 4" (51mm x 101mm) @ 24" (609mm) CC
- R-13 BATT INSULATION
- TYPE X DRYWALL 5/8" (16mm)

PARTITION WALL NEW CONSTRUCTION - FSTC 57

- TYPE X DRYWALL 5/8" (16mm)
- TYPE X DRYWALL 5/8" (16mm)
- WOOD OR METAL STUDS 2" x 4" (51mm x 101mm) @ 16" (406mm) CC
- AIR SPACE 1/2" (13mm)
- **SONQpan 3/4" (19mm)**
- CONCRETE BLOCK WALL 8" (203mm)
- **SONQpan 3/4" (19mm)**
- AIR SPACE 1/2" (13mm)
- WOOD OR METAL STUDS 2" x 4" (51mm x 101mm) @ 16" (406mm) CC
- TYPE X DRYWALL 5/8" (16mm)
- TYPE X DRYWALL 5/8" (16mm)

WALL ASSEMBLIES - TESTING STC

ESPQ6300P-1 - STC 58

- DRYWALL 5/8" (16mm)
- **SONQpan 3/4" (19mm)**
- DRYWALL 1/2" (13mm)
- WOOD STUDS 2" x 4" (51mm x 101mm) @ 24" (609mm) CC
- R-13 BATT INSULATION
- DRYWALL 1/2" (13mm)

ESPQ6300P-7 - STC 48

- DRYWALL 1/2" (13mm)
- **SONQpan 3/4" (19mm)**
- METAL STUDS 2" x 4" (51mm x 101mm) @ 24" (609mm) CC
- **SONQpan 3/4" (19mm)**
- DRYWALL 1/2" (13mm)

ESPQ6300P-11 - STC 48

- DRYWALL 1/2" (13mm)
- **SONQpan 3/4" (19mm)**
- WOOD STUDS 2" x 4" (51mm x 101mm) @ 16" (406mm) CC
- R-13 BATT INSULATION
- DRYWALL 1/2" (13mm)

ESPQ6300P-15 - STC 59

- DRYWALL 5/8" (16mm)
- DRYWALL 5/8" (16mm)
- **SONQpan 3/4" (19mm)**
- WOOD STUDS 2" x 4" (51mm x 101mm) @ 16" (406mm) CC
- R-13 BATT INSULATION
- DRYWALL 1/2" (13mm)
- DRYWALL 1/2" (13mm)

ESPQ6300P-2 - STC 58

- DRYWALL 5/8" (16mm)
- **SONQpan 3/4" (19mm)**
- WOOD STUDS 2" x 4" (51mm x 101mm) @ 24" (609mm) CC
- R-13 BATT INSULATION
- DRYWALL 5/8" (16mm)

ESPQ6300P-8 - STC 52

- DRYWALL 5/8" (16mm)
- **SONQpan 3/4" (19mm)**
- METAL STUDS 2" x 4" (51mm x 101mm) @ 24" (609mm) CC
- R-13 BATT INSULATION
- DRYWALL 5/8" (16mm)

ESPQ6300P-12 - STC 45

- DRYWALL 5/8" (16mm)
- **SONQpan 3/4" (19mm)**
- WOOD STUDS 2" x 4" (51mm x 101mm) @ 16" (406mm) CC
- R-13 BATT INSULATION
- DRYWALL 5/8" (16mm)

ESPQ6300P-12

ESPQ6300P-3 - STC 54

- DRYWALL 5/8" (16mm)
- DRYWALL 5/8" (16mm)
- **SONQpan 3/4" (19mm)**
- WOOD STUDS 2" x 4" (51mm x 101mm) @ 24" (609mm) CC
- R-13 BATT INSULATION
- DRYWALL 5/8" (16mm)

ESPQ6300P-9 - STC 54

- DRYWALL 5/8" (16mm)
- DRYWALL 5/8" (16mm)
- **SONQpan 3/4" (19mm)**
- METAL STUDS 2" x 4" (51mm x 101mm) @ 24" (609mm) CC
- R-13 BATT INSULATION
- DRYWALL 5/8" (16mm)

ESPQ6300P-13 - STC 46

- DRYWALL 5/8" (16mm)
- DRYWALL 5/8" (16mm)
- **SONQpan 3/4" (19mm)**
- WOOD STUDS 2" x 4" (51mm x 101mm) @ 16" (406mm) CC
- R-13 BATT INSULATION
- DRYWALL 5/8" (16mm)

ESPQ6300P-13

ESPQ6300P-6 - STC 51

- DRYWALL 1/2" (13mm)
- **SONQpan 3/4" (19mm)**
- METAL STUDS 2" x 4" (51mm x 101mm) @ 24" (609mm) CC
- R-13 BATT INSULATION
- DRYWALL 1/2" (13mm)

ESPQ6300P-10 - STC 42

- DRYWALL 1/2" (13mm)
- **SONQpan 3/4" (19mm)**
- WOOD STUDS 2" x 4" (51mm x 101mm) @ 16" (406mm) CC
- R-13 BATT INSULATION
- DRYWALL 1/2" (13mm)

ESPQ6300P-14 - STC 48

- DRYWALL 5/8" (16mm)
- DRYWALL 5/8" (16mm)
- **SONQpan 3/4" (19mm)**
- WOOD STUDS 2" x 4" (51mm x 101mm) @ 16" (406mm) CC
- R-13 BATT INSULATION
- DRYWALL 1/2" (13mm)

WALL ASSEMBLIES - COMPARATIVE

EMPTY WALL - STC 32

- DRYWALL 1/2" (13mm)
- WOOD STUDS 2" x 4" (51mm x 101mm)
- DRYWALL 1/2" (13mm)

INSULATED WALL - STC 34

- DRYWALL 1/2" (13mm)
- WOOD STUDS 2" x 4" (51mm x 101mm)
- BATT INSULATION
- DRYWALL 1/2" (13mm)

WALL WITH SONQpan PANEL (WITHOUT INSULATION) - STC 43

- DRYWALL 1/2" (13mm)
- **SONQpan 3/4" (19mm)**
- WOOD STUDS 2" x 4" (51mm x 101mm)
- **SONQpan 3/4" (19mm)**
- DRYWALL 1/2" (13mm)

WALL WITH SONQpan PANEL + RESILIENT CHANNEL - STC 58

- DRYWALL 1/2" (13mm)
- RESILIENT CHANNEL
- **SONQpan 3/4" (19mm)**
- WOOD STUDS 2" x 4" (51mm x 101mm)
- BLOWING INSULATION
- RESILIENT CHANNEL
- DRYWALL 1/2" (13mm)

OTHER WALL COMPOSITION - STC 58

- DRYWALL 5/8" (16mm)
- DRYWALL 5/8" (16mm)
- METAL STUDS
- **SONQpan 3/4" (19mm)**
- AIR SPACE 1" (25mm)
- DRYWALL 5/8" (16mm)
- METAL STUDS
- BATT INSULATION
- DRYWALL 5/8" (16mm)
- DRYWALL 5/8" (16mm)