LEG DIMENSIONS FOR VARYING MOVEMENTS
COMPRESSION AND/OR EXTENSION

**COMPRESSION**
- Downward movement of the roof or floor deck
- Joint compression due to dead loads, live loads, snow loads, etc.

**EXTENSION**
- Upward movement of the roof or floor deck
- Joint opens larger than installed width due to negative air pressure (roof lift) or the deck beneath compressing

**DEFLECTION**
- Both downward (compression) and upward (extension) movement
- Most joints are subjected to movement in both directions
- For example, a joint required to handle 2” of compression and 1” of extension would have a 3” deflection

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### SHADOWLINE PROFILE

#### 1” Deflection

```
1-1/2
1-1/2
STUD SIZE
```

#### 2” Deflection

```
2-1/2
1-1/2
STUD SIZE
```

#### 3” Deflection (Clips Required)

```
3-1/2
2
STUD SIZE
```

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### CAVITY SHADOWLINE PROFILE

#### 1” Deflection

```
1-1/2
1-1/2
WALL MATERIAL THICKNESS
```

#### 2” Deflection

```
2-1/2
1-1/2
WALL MATERIAL THICKNESS
```

#### 3” Deflection (Clips Required)

```
3-1/2
2
WALL MATERIAL THICKNESS
```
VARYING MOVEMENT LEG DIMENSIONS

SHADOWLINE PROFILE

4" Deflection
(Clings Required)

5" Deflection
(Clings Required)

6" Deflection
(Clings Required)

CAVITY SHADOWLINE PROFILE

4" Deflection
(Clings Required)

5" Deflection
(Clings Required)

6" Deflection
(Clings Required)

WALL MATERIAL THICKNESS

STUD SIZE

STUD SIZE

STUD SIZE

STUD SIZE