

**DIVISION 12 00 00      FURNISHINGS**  
SECTION 12 93 00      SITE FURNISHINGS  
SECTION 12 93 43      SITE SEATING AND TABLES  
SECTION 12 93 43.13    SITE SEATING  
**TECNO RS SEATING SYSTEM**

**Part 1 General**

01. Summary

A. Section Includes:

1. 1 full seat with no armrests, 1 leg.
2. 2 full seats with no armrests, 2 legs.
3. 3 full seats with no armrests, 2 legs.
4. 4 full seats with no armrests, 2 legs.
5. 5 full seats with no armrests, 3 legs.
6. 2 full seats with intermediate armrests and no external armrests, 2 legs.
7. 3 full seats with intermediate armrests and no external armrests, 2 legs.
8. 4 full seats with intermediate armrests and no external armrests, 2 legs.
9. 5 full seats with intermediate armrests and no external armrests, 3 legs.
10. 1 full seat with external armrests and no intermediate armrests, 1 leg.
11. 2 full seats with external armrests and no intermediate armrests, 2 legs.
12. 3 full seats with external armrests and no intermediate armrests, 2 legs.
13. 4 full seats with external armrests and no intermediate armrests, 2 legs.
14. 5 full seats with external armrests and no intermediate armrests, 3 legs.
15. 2 full seats with intermediate armrests and external armrests, 2 legs.
16. 3 full seats with intermediate armrests and external armrests, 2 legs.
17. 4 full seats with intermediate armrests and external armrests, 2 legs.
18. 5 full seats with intermediate armrests and external armrests, 3 legs.
19. 1 backless seat with no armrests, 1 leg.
20. 2 backless seats with no armrests, 2 legs.
21. 3 backless seats with no armrests, 2 legs.
22. 4 backless seats with no armrests, 2 legs.
23. 5 backless seats with no armrests, 3 legs.
24. 2 backless seats with intermediate armrests, no external armrests, 2 legs.
25. 3 backless seats with intermediate armrests, no external armrests, 2 legs.
26. 4 backless seats with intermediate armrests, no external armrests, 2 legs.
27. 5 backless seats with intermediate armrests, no external armrests, 3 legs.
28. 1 backless seat with external armrests, no intermediate armrests, 1 leg.
29. 2 backless seats with external armrests, no intermediate armrests, 2 legs.
30. 3 backless seats with external armrests, no intermediate armrests, 2 legs.
31. 4 backless seats with external armrests, no intermediate armrests, 2 legs.
32. 5 backless seats with external armrests, no intermediate armrests, 3 legs.

33. 2 backless seats with external armrests and intermediate armrests, 2 legs.
34. 3 backless seats with external armrests and intermediate armrests, 2 legs.
35. 4 backless seats with external armrests and intermediate armrests, 2 legs.
36. 5 backless seats with external armrests and intermediate armrests, 3 legs.
37. 2 perch seats, 2 legs.
38. 3 perch seats, 2 legs.
39. 4 perch seats, 2 legs.
40. 5 perch seats, 3 legs.

02. Submittals

A. Provide submittals in accordance with Section 01 33 00 – Submittal Procedures.

B. Product data:

1. Manufacturer's standard product literature.
2. Shop drawings.
3. Installation instructions.
4. Maintenance instructions.

03. Quality Assurance

A. Manufacturer Qualifications:

1. Minimum 15 years experience in the manufacture of site seating.
2. Forest Stewardship Council ("FSC") Certified Supplier. Provide manufacturer's FSC certification number.
3. Provide reference list of at least ten major transportation authorities, municipalities, universities, or other high-use public environments currently using site seating fabricated by the manufacturer.

04. Delivery, Storage and Handling

- A. Handle products in accordance with manufacturer's instructions.
- B. Store products in manufacturer's original packaging until ready for installation.
- C. Protect products from impacts and abrasion during storage.

05. Warranty

A. Provide manufacturer's standard warranty:

1. Warranty terms: one year from date of invoice against defects in materials and workmanship.

**Part 2 Products**

01. Manufacturer

A. Basis-of-design product: provide seating based on the product named:

1. Tecno RS Seating System by Forms+Surfaces.

2. Manufacturer Contact:

Forms+Surfaces  
30 Pine Street  
Pittsburgh, PA 15223  
phone: 800-451-0410  
fax: 412-781-7840

email: sales@forms-surfaces.com  
website: www.forms-surfaces.com

## B. Seating

### 1. Materials:

#### a. Seats (Choose one seat type):

##### 1) Backed seat (Choose one below):

1. Die-cast aluminum.
2. Upholstery with internal steel frame (full seat model only).

##### 2) Backless seat:

1. Die-cast aluminum.

##### 3) Perch seat:

1. Die-cast aluminum.

##### 4) Armrests: Die-cast aluminum.

#### b. Legs (Select leg option below):

- 1) Cylindrical mounting post: die-cast aluminum.
- 2) Cylindrical mounting post with base plate: die-cast aluminum.
- 3) "V" leg: die-cast aluminum.
- 4) Perch leg with base plate: steel.
- 5) Wall-mount bracket: steel.

#### c. Back-to-back linking element (optional): steel.

#### d. Beam and spacers: extruded aluminum and die-cast aluminum.

#### e. Beam end cap: black nylon.

### 2. Finishes

#### a. Die-cast aluminum seats: polyester powdercoat (Select one option below):

- 1) Standard Texture from Forms+Surfaces Powdercoat Chart.
- 2) Premium Texture from Forms+Surfaces Powdercoat Chart.
- 3) Custom RAL powdercoat color.

#### b. Armrests:

##### 1) Overall polyester powdercoat (Select one option below):

1. Standard Texture from Forms+Surfaces Powdercoat Chart.
2. Premium Texture from Forms+Surfaces Powdercoat Chart.
3. Custom RAL powdercoat color.

##### 2) Partial polyester powdercoat with polished aluminum upper surface (Select one option below):

1. Standard Texture from Forms+Surfaces Powdercoat Chart.
2. Premium Texture from Forms+Surfaces Powdercoat Chart.
3. Custom RAL powdercoat color.

#### c. Legs: polyester powdercoat to match seat.

#### d. Back-to-back linking element (optional): polyester powdercoat to match seat.

#### e. Beam and spacers: polyester powdercoat to match seat.

3. Dimensions (Choose one):

a. 1 full seat with no armrests:

1) Overall: 20.5" long x 25.7" deep x 33.5" high.

2) Seat: 20.5" wide x 17.6" high.

b. 2 full seats with no armrests:

1) Overall: 44.5" long x 25.7" deep x 33.5" high, mounting post center to center: 24.0".

2) Seat: 20.5" wide x 17.6" high, gap between seats: 3.5".

c. 3 full seats with no armrests:

1) Overall: 68.5" long x 25.7" deep x 33.5" high, mounting post center to center: 48.0".

2) Seat: 20.5" wide x 17.6" high, gap between seats: 3.5".

d. 4 full seats with no armrests:

1) Overall: 92.5" long x 25.7" deep x 33.5" high, mounting post center to center: 72.0".

2) Seat: 20.5" wide x 17.6" high, gap between seats: 3.5".

e. 5 full seats with no armrests:

1) Overall: 116.5" long x 25.7" deep x 33.5" high, mounting post center to center: 48.0" x 2.

2) Seat: 20.5" wide x 17.6" high, gap between seats: 3.5".

f. 2 full seats with intermediate armrests and no external armrests:

1) Overall: 44.5" long x 25.7" deep x 33.5" high, mounting post center to center: 24.0".

2) Seat: 20.5" wide x 17.6" high, gap between seats: 3.5".

g. 3 full seats with intermediate armrests and no external armrests:

1) Overall: 68.5" long x 25.7" deep x 33.5" high, mounting post center to center: 48.0".

2) Seat: 20.5" wide x 17.6" high, gap between seats: 3.5".

h. 4 full seats with intermediate armrests and no external armrests:

1) Overall: 92.5" long x 25.7" deep x 33.5" high, mounting post center to center: 72.0".

2) Seat: 20.5" wide x 17.6" high, gap between seats: 3.5".

i. 5 full seats with intermediate armrests and no external armrests:

1) Overall: 116.5" long x 25.7" deep x 33.5" high, mounting post center to center: 48.0" x 2.

2) Seat: 20.5" wide x 17.6" high, gap between seats: 3.5".

j. 1 full seat with external armrests and no intermediate armrests:

1) Overall: 27.6" long x 25.7" deep x 33.5" high.

2) Seat: 20.5" wide x 17.6" high.

k. 2 full seats with external armrests and no intermediate armrests:

1) Overall: 51.6" long x 25.7" deep x 33.5" high, mounting post center to center: 24.0".

2) Seat: 20.5" wide x 17.6" high, gap between seats: 3.5".

l. 3 full seats with external armrests and no intermediate armrests:

1) Overall: 75.6" long x 25.7" deep x 33.5" high, mounting post center to center: 48.0".

2) Seat: 20.5" wide x 17.6" high, gap between seats: 3.5".

m. 4 full seats with external armrests and no intermediate armrests:

1) Overall: 99.6" long x 25.7" deep x 33.5" high, mounting post center to center: 72.0".

- 2) Seat: 20.5" wide x 17.6" high, gap between seats: 3.5".
- n. 5 full seats with external armrests and no intermediate armrests:
  - 1) Overall: 123.6" long x 25.7" deep x 33.5" high, mounting post center to center: 48.0" x 2.
  - 2) Seat: 20.5" wide x 17.6" high, gap between seats: 3.5".
- o. 2 full seats with intermediate armrests and external armrests:
  - 1) Overall: 51.6" long x 25.7" deep x 33.5" high, mounting post center to center: 24.0".
  - 2) Seat: 20.5" wide x 17.6" high, gap between seats: 3.5".
- p. 3 full seats with intermediate armrests and external armrests:
  - 1) Overall: 75.6" long x 25.7" deep x 33.5" high, mounting post center to center: 48.0".
  - 2) Seat: 20.5" wide x 17.6" high, gap between seats: 3.5".
- q. 4 full seats with intermediate armrests and external armrests:
  - 1) Overall: 99.6" long x 25.7" deep x 33.5" high, mounting post center to center: 72.0".
  - 2) Seat: 20.5" wide x 17.6" high, gap between seats: 3.5".
- r. 5 full seats with intermediate armrests and external armrests:
  - 1) Overall: 123.6" long x 25.7" deep x 33.5" high, mounting post center to center: 48.0" x 2.
  - 2) Seat: 20.5" wide x 17.6" high, gap between seats: 3.5".
- s. 1 backless seat with no armrests:
  - 1) Overall: 20.5" long x 17.7" deep x 18.0" high.
  - 2) Seat: 20.5" wide x 18.0" high.
- t. 2 backless seats with no armrests:
  - 1) Overall: 44.5" long x 17.7" deep x 18.0" high, mounting post center to center: 24.0".
  - 2) Seat: 20.5" wide x 18.0" high, gap between seats: 3.5".
- u. 3 backless seats with no armrests:
  - 1) Overall: 68.5" long x 17.7" deep x 18.0" high, mounting post center to center: 48.0".
  - 2) Seat: 20.5" wide x 18.0" high, gap between seats: 3.5".
- v. 4 backless seats with no armrests:
  - 1) Overall: 92.5" long x 17.7" deep x 18.0" high, mounting post center to center: 72.0".
  - 2) Seat: 20.5" wide x 18.0" high, gap between seats: 3.5".
- w. 5 backless seats with no armrests:
  - 1) Overall: 116.5" long x 17.7" deep x 18.0" high, mounting post center to center: 48.0" x 2.
  - 2) Seat: 20.5" wide x 18.0" high, gap between seats: 3.5".
- x. 2 backless seats with intermediate armrests, no external armrests:
  - 1) Overall: 44.5" long x 17.7" deep x 18.0" high, mounting post center to center: 24.0".
  - 2) Seat: 20.5" wide x 18.0" high, gap between seats: 3.5".
- y. 3 backless seats with intermediate armrests, no external armrests:
  - 1) Overall: 68.5" long x 17.7" deep x 18.0" high, mounting post center to center: 48.0".
  - 2) Seat: 20.5" wide x 18.0" high, gap between seats: 3.5".
- z. 4 backless seats with intermediate armrests, no external armrests:

- 1) Overall: 92.5" long x 17.7" deep x 18.0" high, mounting post center to center: 72.0".
- 2) Seat: 20.5" wide x 18.0" high, gap between seats: 3.5".
- aa. 5 backless seats with intermediate armrests, no external armrests:
  - 1) Overall: 116.5" long x 17.7" deep x 18.0" high, mounting post center to center: 48.0" x 2.
  - 2) Seat: 20.5" wide x 18.0" high, gap between seats: 3.5".
- ab. 1 backless seat with external armrests, no intermediate armrests:
  - 1) Overall: 27.6" long x 17.7" deep x 18.0" high.
  - 2) Seat: 20.5" wide x 18.0" high.
- ac. 2 backless seats with external armrests, no intermediate armrests:
  - 1) Overall: 51.6" long x 17.7" deep x 18.0" high, mounting post center to center: 24.0".
  - 2) Seat: 20.5" wide x 18.0" high, gap between seats: 3.5".
- ad. 3 backless seats with external armrests, no intermediate armrests:
  - 1) Overall: 75.6" long x 17.7" deep x 18.0" high, mounting post center to center: 48.0".
  - 2) Seat: 20.5" wide x 18.0" high, gap between seats: 3.5".
- ae. 4 backless seats with external armrests, no intermediate armrests:
  - 1) Overall: 99.6" long x 17.7" deep x 18.0" high, mounting post center to center: 72.0".
  - 2) Seat: 20.5" wide x 18.0" high, gap between seats: 3.5".
- af. 5 backless seats with external armrests, no intermediate armrests:
  - 1) Overall: 123.6" long x 17.7" deep x 18.0" high, mounting post center to center: 48.0" x 2.
  - 2) Seat: 20.5" wide x 18.0" high, gap between seats: 3.5".
- ag. 2 backless seats with external armrests and intermediate armrests:
  - 1) Overall: 51.6" long x 17.7" deep x 18.0" high, mounting post center to center: 24.0".
  - 2) Seat: 20.5" wide x 18.0" high, gap between seats: 3.5".
- ah. 3 backless seats with external armrests and intermediate armrests:
  - 1) Overall: 75.6" long x 17.7" deep x 18.0" high, mounting post center to center: 48.0".
  - 2) Seat: 20.5" wide x 18.0" high, gap between seats: 3.5".
- ai. 4 backless seats with external armrests and intermediate armrests:
  - 1) Overall: 99.6" long x 17.7" deep x 18.0" high, mounting post center to center: 72.0".
  - 2) Seat: 20.5" wide x 18.0" high, gap between seats: 3.5".
- aj. 5 backless seats with external armrests and intermediate armrests:
  - 1) Overall: 123.6" long x 17.7" deep x 18.0" high, mounting post center to center: 48.0" x 2.
  - 2) Seat: 20.5" wide x 18.0" high, gap between seats: 3.5".
- ak. 2 perch seats:
  - 1) Overall: 40.4" long x 10.1" deep x 28.4" high, mounting post center to center: 20.3".
  - 2) Seat: 20.1" wide x 28.4" high, gap between seats: 0.2".
- al. 3 perch seats:
  - 1) Overall: 60.6" long x 10.1" deep x 28.4" high, mounting post center to center: 40.6".
  - 2) Seat: 20.1" wide x 28.4" high, gap between seats: 0.2".

am. 4 perch seats:

1) Overall: 80.9" long x 10.1" deep x 28.4" high, mounting post center to center: 60.8".

2) Seat: 20.1" wide x 28.4" high, gap between seats: 0.2".

an. 5 perch seats:

1) Overall: 101.2" long x 10.1" deep x 28.4" high, mounting post center to center: 40.6" x 2.

2) Seat: 20.1" wide x 28.4" high, gap between seats: 0.2".

4. Mounting (Select mounting option below):

- a. Standard surface mounting: 10" diameter base plate is attached with screws to three threaded anchors installed in the substrate. Provide base plate, mounting hardware, and decorative Stainless Steel cover.
- b. Alternative surface mounting: Single 16" threaded anchor inserted in 5" diameter hole in concrete and installed with a high-strength adhesive. Provide threaded anchor.
- c. Surface mounting with "V" legs: Provide installation hardware.
- d. Freestanding with "V" legs.
- e. Wall mount.

### **Part 3 Execution**

#### 01. Examination

- A. Verify that substrates are stable and capable of supporting the weight of items covered under this section.
- B. Verify that substrates have been adequately prepared to securely anchor those items that will be surface mounted.

#### 02. Installation

- A. Install according to the manufacturer's installation instructions.
- B. Install in conformance to applicable ADA guidelines and End User's established Accessibility policies.

**END OF SECTION**