WORKING DRAWINGS
OF
BASIC FACILITIES
FOR
CAMPGROUND
DEVELOPMENT

SELF-HELP SUGGESTIONS FOR
RURAL AREAS DEVELOPMENT

Agriculture Information Bulletin No. 264
U.S. Department of Agriculture

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Forest Service
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WORKING DRAWINGS OF BASIC FACILITIES FOR CAMPGROUND DEVELOPMENT

Purpose

This set of working drawings was assembled from plans prepared by the U.S. Forest Service and the national and state park agencies. They are intended to aid the landowner in planning, building, and maintaining the basic facilities for a family forest campground or picnic area as a private business venture. The drawings can be used as shown, or altered to fit individual needs. They are a supplement to the basic booklet, "Forest Recreation for Profit," Agriculture Information Bulletin No. 265, U.S. Department of Agriculture. The booklet contains self-help suggestions for the woodland owner who is considering the possibility of going into the forest recreation business. The two publications are complementary and will be most helpful when used together.

These two publications were prepared by the Forest Service, U.S. Department of Agriculture, as a service to farmers and other woodland owners interested in commercial outdoor recreation development. This service is a part of the Department's rural areas development activities.

Additional copies of the publications "Working Drawings of Basic Facilities for Campground Development" and "Forest Recreation for Profit" can be purchased from the Superintendent of Documents, Government Printing Office, Washington 25, D.C.

Recreation And Timber

Our population and our Nation's economy continue to grow. Secretary of Agriculture Orville L. Freeman has stated that to sustain this growth we must adjust and bring into better balance the uses of our total land resource. For example, many of our frequently overlooked family-owned, smaller sized forests, numbering in the millions, can be made a major force in the country's rural areas development. This can be of substantial benefit to the rural landowner and his community.

In its recent report to the President and the Congress, the Outdoor Recreation Resources Review Commission said: "Individual initiative and private enterprise should continue to be the most important force in outdoor recreation, providing many and varied opportunities for a vast number of people, as well as the goods and services used by people in their recreation activities."

Outdoor recreation is one of the multiple forest uses that offers immediate promise of additional income. Numerous privately owned woodlands, with their natural combinations of resources, are ideal settings in which to develop campground and picnic area business enterprises. The woodland owner, looking for a steady income while his trees grow, should examine thoroughly the opportunities that recreation developments may hold for him.
LIGHT PLANK TABLE

Lumber shall be 24'-0" dimension, Southern Yellow Pine, Red Pine or Douglas Fir preferred. Lumber shall be given a preservative treatment after pre-fabrication, F.P.L. formula preferred. For 8'-0" table extend planks 6" at each end. Paint may be substituted for galvanizing. Edges of angles to be filed smooth.

<table>
<thead>
<tr>
<th>NO.</th>
<th>SIZE</th>
<th>FIN.</th>
<th>NAME AND USE</th>
<th>MARK</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>2' x 10' x 7'-0&quot;</td>
<td>S4S</td>
<td>SEAT PLANKS</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>2' x 8' x 7'-0&quot;</td>
<td>S4S</td>
<td>TOP PLANKS</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>4' x 4' x 2'-0&quot;</td>
<td>S4S</td>
<td>TOP PLANKS</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2' x 6' x 5'-0&quot;</td>
<td>S4S</td>
<td>LEGS</td>
<td>A</td>
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<td>2</td>
<td>2' x 4' x 5'-3&quot;</td>
<td>S4S</td>
<td>SEAT CLEATS</td>
<td>E</td>
</tr>
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<td>2</td>
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<td>S4S</td>
<td>STIFFENER</td>
<td>C</td>
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<td>2</td>
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<td>S4S</td>
<td>BRACES</td>
<td>D</td>
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<td>2</td>
<td>2' x 4' x 2'-9&quot;</td>
<td>S4S</td>
<td>LEG CLEATS</td>
<td>B</td>
</tr>
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<td>1</td>
<td>2' x 3' x 2'-2&quot;</td>
<td>S4S</td>
<td>TOP CLEAT</td>
<td>F</td>
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<tr>
<td>2</td>
<td>2' x 1' x 1'-8&quot;</td>
<td>GALV.IRON ANGLES - SEAT TO E</td>
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<tr>
<td>2</td>
<td>2' x 1' x 1'-8&quot;</td>
<td>GALV.IRON ANGLES - TOP TO B</td>
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<tr>
<td>1</td>
<td>2' x 1' x 1'-8&quot;</td>
<td>GALV.IRON ANGLES - TOP TO F</td>
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<td></td>
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<tr>
<td>80</td>
<td>1/2 x 3/4 x 1/4&quot;</td>
<td>GALV.WOOD SCREWS - Round</td>
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<td>1/2 x 3/4 x 1/4&quot;</td>
<td>GALV.CARRIAGE BOLTS - C TO B</td>
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<tr>
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<tr>
<td>8</td>
<td>1/2 x 3/4 x 1/4&quot;</td>
<td>GALV.CARRIAGE BOLTS - A TO BBE</td>
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</table>

Drill 16 screws 1/4" holes and 17 screws 2" holes.
MATERIAL LIST

<table>
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<th>MARK</th>
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<td>TOP AND SEATS D B H</td>
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</tr>
<tr>
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<td>SEAT SUPPORTS B</td>
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</tr>
<tr>
<td>4</td>
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<td>S4S</td>
<td>LEGS C</td>
<td></td>
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<td>BRACES G</td>
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</tr>
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<td>S4S</td>
<td>TABLE TOP CLEATS A-E-F</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>7&quot;</td>
<td>GALV.</td>
<td>SPIKE</td>
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</tr>
<tr>
<td>4</td>
<td>6&quot;</td>
<td>GALV.</td>
<td>20 D COMMON</td>
<td></td>
</tr>
<tr>
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<td>3&quot;x3&quot;x2-8&quot;</td>
<td>GALV.</td>
<td>IRON ANGLES</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>3&quot;x3&quot;x2-8&quot;</td>
<td>GALV.</td>
<td>IRON ANGLES</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>1&quot;x3&quot;</td>
<td>GALV.</td>
<td>LAG SCREWS</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>1&quot;x7&quot;</td>
<td>GALV.</td>
<td>LAG SCREWS</td>
<td></td>
</tr>
</tbody>
</table>

Construct 2 as shown B 2 opposite hand.

Lumber to be dry cedar or redwood.
Bore holes for spikes 1/8 under size.
For 8' table extend planks 6' at each end.
1. Grill with native rock on sides and end. Select rock to withstand heat, sides facing firebox and top to be flat.
2. For community picnic areas, grills may be placed end to end with rocks or concrete blocks placed along the sides only.

Do not cement blocks or rocks together. Use special poured concrete blocks—not building blocks. Lightweight aggregate optional.

SPECIFICATIONS

Cement - AASHO Type I, IA or II, IA
Concrete - AASHO Class A or Class A(AE)
min. 6 blocks per cu yd.
Reinforcing steel - ASTM A-305-53T (for forms)
Structural steel - ASTM A7-56T (for grate)
Welding - Spec. for Welding Highway Bridges of the American Welding Society

COOKING FIREPLACE
FACSIMILE

Roof of transparent plastic preferred but conventional rustic type or composition roofing may be used

Screened louver each side
Cut out end boards to fit louvers

1/2 X 2" Cedar bolts S15 (or Redwood, Cypress etc.)
1" X 12" Cedar boards S15 (or Redwood, Cypress etc.)

See foundation details

FRONT ELEVATION
SIDE ELEVATION

SINGLE PIT TOILET
2" X 2" nailing strip for screens

Plastic cop

L 90° Screen or aluminum

Transparent plastic roof preferred but conventional rustic type or composition roofing may be used

2 X 4" cedar rafters 20" on centers

20" on centers

X 2" 5/8" cedar bats

Stain with FPL rustoleum

Fine tinted brown or redwood

(Options Redwood, Cypress etc)

Slope 1" in 12' min.

See detail sheet of foundation.

Tamp backfill thoroughly

SECTION A-A

SECTION B-B

NO.  SIZE  FIN.  USE
1  6" handle-gate hook  Galv.  Screen door set - Door
3  6" tee hinge  Galv.  Bend as shown - Door
1  2" 46" vent pipe  Galv Int.  1 - 10" B 1 - 0" - 9"
6  1" R.H. screws  Brass  Toilet to stab
8  2" x 4"  Galv.  Anchor bolts with nuts, washers
6  1" x 6"  Galv.  Bolts with nuts, 2 washers each
22  2" x 3"  Galv.  Pipe sleeves
4  2" x 6"  Galv.  Pipe sleeves
1  No. 2325 toilet S.S. Wickland Mfg Co. or equivalent
2  2" 5/8" 3'-0" dia. O.S. Pit liner
2  2" x 4" - 0"  Galv Int.  Bend 45°
4  2" x 4" - 0"  Str.  Reinforcing rod
4  2" x 1" - 9"  Str.  Reinforcing rod
2  2" x 1" - 2"  Str.  Reinforcing rod
4  1" x 10" - 6"  Bend  Reinforcing rod
3  2" x 8" - 6"  Bend  Reinforcing rod
2  2" x 1" - 6"  Bend  Reinforcing rod
1  2" elbow  90°  Galv.  Vent pipe

SINGLE PIT TOILET

SHEET 2
Hole for 2 vent pipe -f ptpe sleeves ■ & ^ bars placed as shown

Allow for 

r- ^ pipe sleeves •^ Allow for

j'y^ compound joint.

END VIEW
PRECAST CONCRETE FLOOR SLAB

$r$ 4" anchor bolts preset into concrete.

Cost two short members for

v pipe sleeves

PLAN

END VIEW
PRECAST CONCRETE CURB

$\frac{1}{2}$ bars to loop around holes as shown.

END VIEW
PRECAST CONCRETE FOOTING

$\frac{1}{2}$ to loop around holes as shown

END VIEW
PRECAST CONCRETE FLOOR SLAB

$\frac{1}{2}$ to loop around holes as shown

END VIEW
PRECAST CONCRETE CURB

4" X 4" anchor bolts preset into concrete.

Cost two short members for

v pipe sleeves

PLAN

END VIEW
PRECAST CONCRETE CURB

$\frac{1}{2}$ X 16" bolts

END VIEW
PRECAST CONCRETE FOOTING

3'-0" dia pit liner

CURB Floor slab Footing

ASSEMBLED FOUNDATION

The curb, floor slab and footings are held together by 6-16 bolts inserted through the pipe sleeves.

Note: Pit lining options are, conc culvert pipe, conc block, corr. metal culvert, brick or treated timbers, 2" min. thickness.

Faster seat to slab with 6-16 R.H screws set in lead plugs.

MODEL 2325 STAINLESS STEEL TOILET STOOL
WICKLAND MFG. CO. OR EQUIV.

SINGLE PIT TOILET

643746 O - 62 - 2
Composition shingles shown, rustic type shingles or transparent plastic roofing may be used.

Stain with FPL Natural finish tinted brown or redwood.

Point interior walls 2 coats of white paint.

SIDE ELEVATION

DOUBLE SEAT PIT TOILET
(DESIGEND FOR USE BY EITHER SEX)
DOUBLE SEAT PIT TOILET
(DESIGNE FOR USE BY EITHER SEX)
Stationary or rotary type ventilator optional, plain pipe may be used.

This dimension may be varied to suit local conditions.

6" dia. roof stock

Cut top of stack 1' above and parallel to roof.

See false rafter detail.

Optional 1/2" G.I. straps to hold vent pipe.

1 1/2' x 7' 1/2' vent stack, 24 ga.

2' x 4' stud

2' x 6' stud

1 1/2' x 8' siding

2' x 4' rafter

1 1/2' x 6' or 1 1/8' siding

2' x 6' studs

1 1/2' x 6' cornice

45°

1 1/4' ridge

1 1/2' x 6' roof boards

2' x 4' rafters

1 1/2' x 6' cornice

1 1/2' x 4' plate

2' x 4' plate

1 1/2' x 4' plate

2' x 4' rafter

2' x 4' false rafter

2' x 6' studs

2' x 6' stud

1 1/2' x 6' cornice

5 1/2' x 6' vent pipe

A 1/2' x 6' stud wall.

2' x 4' false rafter

Seal slab detail.

1 1/2' x 5' filter

1 1/2' x 6' cornice

2' x 4' rafter

2' x 6' studs

2' x 6' stud

5 1/2' x 6' vent pipe

Surface frame is nailed in place.

Screen is locked to inside frame which is then fastened to outside frame with screws, making a removable screen.

Screening to be made fly-proof if local code requires.
PLAN OF SLAB

SECTION D-D

Optional to seal vault bottom

No.4 rods
No.4 rods placed 1" from bottom

No 4 rods spaced as shown

No.4 rods spaced 12 1/2 O.C.

4"x8"x16" Bond beam
conc. blocks, top and bottom courses

It is optional to add partition of center of vaults

Vault to be constructed as shown on Plate 12B· sheet 4, Double Seat Pit Toilet.

Optional center partition constructed the same as side walls, tie to side walls and slab with 4 bars. Omit one block from top course under vent pipe so that both vaults will be ventilated.

PLAN OF VAULT

This vault to be constructed the same as that shown on Plate 12B· sheet 4 except this vault is 6 blocks long instead of 5

SECTION E-E

Note: See Plate 11C for applicable concrete and steel specifications

DOUBLE SEAT PIT TOILET
(DESIGNED FOR USE BY EITHER SEX)
<table>
<thead>
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<th>SIZE</th>
<th>FINISH</th>
<th>ITEM &amp; USE</th>
</tr>
</thead>
<tbody>
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<td>S4S</td>
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<td>S4S</td>
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<tr>
<td>3</td>
<td>2&quot;x6&quot;x6'0&quot;</td>
<td>S4S</td>
<td>Floor plates</td>
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<tr>
<td>8</td>
<td>2&quot;x6&quot;x6'0&quot;</td>
<td>S4S</td>
<td>Top plates</td>
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<tr>
<td>16</td>
<td>2&quot;x4&quot;x6'0&quot;</td>
<td>S4S</td>
<td>Rafter</td>
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<tr>
<td>32</td>
<td>2&quot;x4&quot;x6'0&quot;</td>
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<td>Studs</td>
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<tr>
<td>35</td>
<td>1&quot;x6&quot;x6'0&quot;</td>
<td>V Rustic Siding, optional wood, optional 1&quot;x6&quot;</td>
<td></td>
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<tr>
<td>22</td>
<td>1&quot;x6&quot;x10'0&quot;</td>
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<td>Roof sheathing</td>
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<td>Corbels</td>
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<td>Door (interior braces)</td>
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<td>S4S</td>
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<td>S4S</td>
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<td>Trim corner boards</td>
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<tr>
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<td>S4S</td>
<td>Gable end trim</td>
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<td>1&quot; Solid side Plywood (interior walls AD grade)</td>
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<tr>
<td>24</td>
<td>1&quot; Quarter round</td>
<td>Gable ends</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>1&quot;x2&quot;x8'0&quot;</td>
<td>S4S</td>
<td>Door stops</td>
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### Reinf orcing Steel

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<tr>
<td>8</td>
<td>1'-9&quot; No. 4</td>
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<td>Str.</td>
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<td>Str.</td>
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<tr>
<td>10</td>
<td>7'-0&quot; No. 4</td>
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<td>Str.</td>
<td>Floor slab</td>
</tr>
<tr>
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<td>3'-5&quot; No. 4</td>
<td>Str.</td>
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<td>4'-0&quot; No. 4</td>
<td>Str.</td>
<td>Vault, vertical reinforcing rods</td>
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<tr>
<td>4</td>
<td>1'-0&quot; No. 4</td>
<td>Str.</td>
<td>Vault, horizontal reinforcing rods</td>
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### Masonry

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<tr>
<td>1</td>
<td>Cubic yards</td>
<td>Concrete, floor &amp; curb</td>
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<tr>
<td>3</td>
<td>Cubic feet</td>
<td>Mortar, 1:2 Mix Portland cement &amp; damp sand</td>
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<tr>
<td>32</td>
<td>4&quot;x6&quot;x16&quot;</td>
<td>Bond Beam Concrete blocks, top &amp; bottom courses, vault</td>
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<tr>
<td>64</td>
<td>Min. 4&quot;x6&quot;x16&quot;</td>
<td>Regular Concrete blocks, vault</td>
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### Hardware

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<td>FPL Stain</td>
<td>Building exterior, Brown or redwood</td>
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<tr>
<td>6</td>
<td>Gallons</td>
<td>White Enamel</td>
<td>Building interior, Semi-gloss</td>
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<tr>
<td>1</td>
<td>Square</td>
<td>Opt. col.</td>
<td>Asphalt shingles, 210 lb. (Optional)</td>
</tr>
<tr>
<td>125</td>
<td>Square ft.</td>
<td>15 psf</td>
<td>Roofing felt, under shingles</td>
</tr>
<tr>
<td>16</td>
<td>Square ft.</td>
<td>15 psf</td>
<td>Screen windows &amp; gable ends</td>
</tr>
<tr>
<td>1</td>
<td>5/&quot;x12&quot;x8&quot;x3&quot;</td>
<td>Galv.</td>
<td>Vent stack, (Special) 24 Ga.</td>
</tr>
<tr>
<td>6</td>
<td>1&quot; Les hinges</td>
<td>Galv.</td>
<td>Doors</td>
</tr>
<tr>
<td>4</td>
<td>6&quot; Door pulls</td>
<td>Galv.</td>
<td>Doors</td>
</tr>
<tr>
<td>4</td>
<td>4&quot; Hooks with eyes</td>
<td>Galv.</td>
<td>Doors</td>
</tr>
<tr>
<td>4</td>
<td>Spring door closers</td>
<td>Galv.</td>
<td>Doors</td>
</tr>
<tr>
<td>2</td>
<td>1&quot;x16&quot;x28 ga.</td>
<td>Galv.</td>
<td>Toilet paper hangers, spring roller &amp; coat hanger (Optional)</td>
</tr>
<tr>
<td>16</td>
<td>1/2&quot; bolts with heads &amp; nuts</td>
<td>Galv.</td>
<td>Anchor bolts w/1/4&quot; washers</td>
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<tr>
<td>12</td>
<td>1/2&quot; RH screws</td>
<td>Brass</td>
<td>Stool to floor</td>
</tr>
<tr>
<td>2</td>
<td>Model 2325 toilet stool</td>
<td>SS</td>
<td>Wickland Mfg. Co. or equiv.</td>
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<tr>
<td>16</td>
<td>1/4&quot; RH No. 6 screws</td>
<td>Galv.</td>
<td>Screws</td>
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**DOUBLE SEAT PIT TOILET**

*(DESIGNED FOR USE BY EITHER SEX)*

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**Sheet 5**

**14**
DETAILS OF PARKING SPURS
RECREATION SITE DEVELOPMENT ROADS

If for two autos add 10'

AUTO PARKING SPUR

Edge of paving or surfacing

Road shoulder

Edge of paving or surfacing

TRAFFIC

TYPE-A
BACK-IN
TRAILER PARKING

Edge of paving or surfacing

TRAFFIC

TYPE-B
BACK-IN
TRAILER PARKING

TRAFFIC

TYPE-C
BACK-IN
TRAILER PARKING

TRAFFIC

15
DETAILS OF PULL-OFF AND MULTIPLE PARKING AREAS
RECREATION SITE DEVELOPMENT ROADS

A

Add 10' if for two autos

ROAD

PULL-OFF PARKING AREA

B

MULTIPLE PARKING AREA
ONE OR BOTH SIDES OF ROAD
MAY BE FOR 90° OR 45° ANGLE PARKING
Rocks should be set in a natural manner using rocks as large as can be handled by practicable means. Rocks should be set on their natural bed, avoiding sharp corners and points above ground for solid, natural appearance, and to prevent removal. The rocks should project not less than 10" above ground (approximately 1/2 of rock should project above ground). The rocks should be spaced irregularly, not in a line. The naturally weathered appearance of the rocks should be preserved. Rocks should not be painted.

ROCK BARRIER
TYPE "A"

LOG BARRIER
TYPE "B"

CABLE BARRIER
TYPE "C"

MASONRY WALL BARRIER
UTILIZING SMALL STONES
TYPE "E"
CUT OFF CLAD TO INSTALL HYDRANT

PLAN A

PLAN OF BUBBLER TOP

SCALE 1:1/8

PLAN B

LOG MOUNTING 'A'

LOG MOUNTING 'B'

LOG MOUNTING 'C'

DRAIN HOLE COVERED WITH ONE LAYER OF 16 MESH COPPER WIRE SCREEN WITH UNDER LAYER OF 4X4 GALV. WIRE CLOTH

NOTE! MOUNTING MAY BE SINGLE ROCK OR MASONRY SIMILAR TO 'E'

VOGEL FROST-PROOF HYDRANT LENGTH AS REQUIRED TO EXTEND BELOW FROST LINE

TO FRENCH DRAIN OR POOL

TO WATER SUPPLY

SECTION

ROCK OR MASONRY MOUNTING

O.F.A. BUBBLER TYPE

SCALE 1:1/8

ALL SUPPLY LINES TO BE FITTED WITH DRASS GATE VALVES TO REGULATE FLOW OF WATER.

SEE DETAIL VALVE OPERATED WITH 3/8" ROD WITH THREE POINTED END AND TOP P.

ROCK MOUNTING 'D'

SHEET METAL COVER

DRASS GATE VALVE

SUPPLY LINE

MASONRY MOUNTING 'E'

NOTES

Log mounting A: 15" x 4'3" logs. Log saewd lengthwise to install hydrant. Slab held in place with four 3/4" x 4" log bolts.

Log mounting B: 9" x 4'11" and 9" x 3'6" logs. Logs held together with two 3/4" x 20" machine bolts. Hydrant exposed; secured to log with two pipe straps.

Log mounting C: Three logs—one 14" x 4'10", one 12" x 4'1", one 10" x 3'11". Logs held together with rods—one 3/4" x 28", one 3/4" x 24", and one 3/4" x 24"—threaded both ends. Two nuts and washers each. All logs set into ground 24" and underground portion of log is to be treated with asphalt paint. All drift bolts and log bolts to be galvanized. Drill 3/8" holes for drift bolts.

Length of frostproof hydrants as required to extend below frost line.

Gravel basin and iron grating as indicated on detail of rock mounting D to be used for all types of hydrants except bubbler type.

Log to be treated with boiled linseed oil or FPL natural stain.

NOTE

The Vogel frost-proof valve need not be used in desert country where there will be no freezing. Log Mounting 'Type B' recommended for general use in the region. A good drain for waste water must be installed at all hydrants and/or fountains.

WATER TAP
GARbage CAN MOUNT

8" eyebolt. Bolt thread end after installation

Padlock fastened to chain

Apply F.P.L. light redwood stain

Treat with Pentachlorophenol

Towel stain.

32 Gallon can

Wire mesh reinforcing

1:2:3 Mix concrete

Ground line

5/8' iron

24 1/2" form

REAR ELEV.

Butt hinge

2" x 4" form

SIDE ELEVATION

Rod to hold slab in place

2" x 4" form

SIDE ELEV

Provide holes for 3/4" rods

Weld 3/4" x 12" rods to iron straps. These will serve as handles

Corrugated metal roofing material

SURFACE CORRUGATING "TROWEL"

Fill form with concrete. Place corrugated roofing material "trowel" on the concrete and press it in to corrugate the surface of the concrete. Moving it back and forth will smooth the concrete surface. A 3/4" lifting eyebolt can be inserted into the concrete, nut down, through hole in center of "trowel". Remove bolt when slab is in place.

FRONT ELEV.

Drill hole for clamp

SIDE ELEV.

2" x 4" form

PLAN

1/8" x 1/2" x 1/2" x 3 5/8" L iron

2" x 4" form

PLATE

1/8" x 5/8" form

ENLARGED DETAIL

FORM DETAILS

Forms should be placed on a level surface such as a concrete slab before pouring concrete.

FORM LOCK

OTHER FORM LOCKING METHODS CAN BE USED

"Panel Loc" clamp mfg. by Universal Form Clamp Co., Chicago 51, Illinois (or equal)
Two types of park signs suggesting through design and material the great out-of-doors. TYPE B-4, being almost basic in character, is acceptable for use in most localities as a park entrance sign. Post, arm, and sign are of wood. Sign may be anchored to the post at the bottom to prevent swaying. TYPE B-5 would be more generally adaptable to directional and instructional use. One of the prime advantages of this type of sign is the availability of native materials for construction. All wood should be thoroughly pressure treated with preservative for long life.
A distinctive and very serviceable picnic shelter designed for a specific site but adaptable to many conditions. The three divisions afforded by the angles give a degree of privacy to small groups, yet large groups, requiring the entire area of the structure, find this floor plan fully adequate.

This design bespeaks unusual architectural imagination in buildings of this character.
A splendid design to provide showers, toilets, and laundry facilities in the smaller groupings of tent sites. The arrangement of shower stalls in the front, removed from the toilet rooms and utility room in the rear, minimizes the confusion which can be present at certain hours in a facility of this type.

A fiberglas roof would admit sufficient daylight to make artificial lighting unnecessary until after sundown.

In moderate climates the utility room might be left open at the rear.
A marina arrangement of extensive proportions. Note that adequate provision has been made for parking in an orderly manner and for public concession service.

Larger boats may be moored at the main docks on the face of the marina; smaller boats and concession boats around at the extreme end.

The National Conference on State Parks in cooperation with The National Park Service

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<th>Plate</th>
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MARINA

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