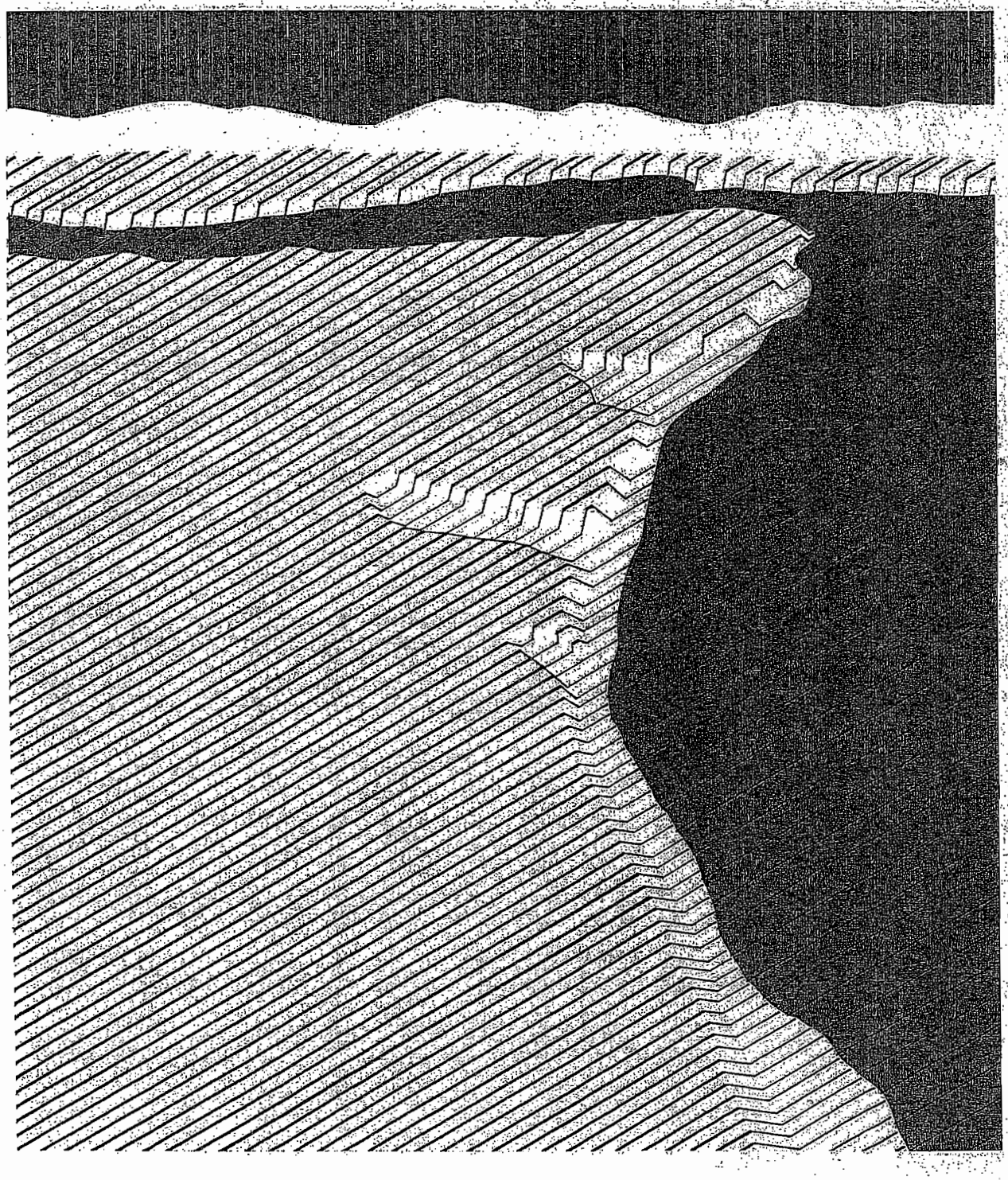
# Ruston Way Design Booklet

Drawings and Specifications for Unifying Design Elements

City of Tacoma, Washington



# Drawings and Specifications for Unifying Design Elements

The unifying design elements listed below are recommended in the **Ruston Way Plan** to promote consistency and continuity along the Ruston Way shoreline.

These unifying design elements are intended to be incorporated into proposed Ruston Way waterfront projects wherever possible and appropriate. Detailed drawings and general specifications of these unifying design elements have been prepared to assist the development and design of proposed projects. Consideration of unifying design elements is an important part of project and shoreline permit review. These drawings may be updated periodically to reflect changes in projects or needs.

## Unifying Design Elements

| | |
|---|---|
| BE·1 | BACKLESS BENCH |
| BE·2 | BENCH WITH BACK |
| BO·1 | BOLLARD |
| BO·2 | SIGN BOLLARD |
| BO·3 | BARRICADE BOLLARD |
| BO·4 | MISCELLANEOUS BOLLARD |
| BP·1 | BICYCLE PARKING |
| BP·2 | BICYCLE PARKING |
| BP·3 | BICYCLE PATH |
| DF·1 | DRINKING FOUNTAIN |
| LA·1 | LANDSCAPING |
| LI·1 | OVERHEAD LIGHTING |
| LI·2 | LIGHTING FIXTURE |
| RW·1 | RIPRAP SEAWALL |
| SI·1 | SIGN DESIGNS |
| SI·2 | SIGN DISPLAYS |
| TA·1 | TABLE |
| TA·2 | TABLE WITH BENCHES |
| TA·3 | TABLE WITH BENCHES |
| TR·1 | TRASH RECEPTACLE |
| SPECS. | SPECIFICATIONS |

*Suite 936, Tacoma Municipal Building, 740 St. Helens Avenue, Tacoma, Washington 98402-3793*
*(206) 591-5363*

# Design Guide for Ruston Way Projects

Planning Department, City of Tacoma, Washington

This Design Guide for Ruston Way Projects is an administrative guide to assist the processing of shoreline permits for public and private development projects along Ruston Way.

It provides:

1. A listing of unifying design elements and design considerations as recommended by the Ruston Way Plan.
2. An outline of the permit process in which these elements and considerations become a part of an approved shoreline project.

This guide is intended to be used in conjunction with processing Shoreline Management Substantial Development Permits, and to assist in achieving the overall goal and individual intents and policies of the Ruston Way Plan and the City's adopted Master Program for Shoreline Development.

The Ruston Way Plan was adopted due to the sensitive nature of this shoreline area and its extensive redevelopment potential. The Plan emphasizes the importance of public and private sectors coordinating their redevelopment efforts in order to achieve well-designed, compatible developments and a sense of continuity along the entire Ruston Way shoreline. The Plan recommends the use of certain unifying design elements and compatible materials in new developments to create a continuous physical and visual image and to achieve the desired Pacific Northwest marine area character. It is not the intent to make every development on Ruston Way appear alike, but rather it is intended that all developments, both public and private, be compatible in design and character.

The following is a generalized procedure outlining the permit process and also a copy of a checklist of unifying design elements and other design considerations.

For further information contact the Planning Department at 591-5363.

## Ruston Way Permit Process

1. **Preapplication conferences between the project sponsor and the Planning Department** to discuss the project sponsor's proposals, the Ruston Way permit process, and the unifying design elements and the other design considerations are encouraged. The project sponsors are asked to bring a copy of their conceptual development plans so the Planning Department may provide a preliminary assessment as to which design elements may be recommended as part of the permit. Detailed drawings of the design elements are available from the Planning Department to aid the development of the project from the early conceptual and design stages in accordance with the Ruston Way Plan.
2. **Review of the project sponsor's plans prior to the submittal of a shoreline permit application** is conducted by the Planning Department to determine if the necessary design elements and other necessary details have been included. Additional meetings with the project sponsors may be required to discuss the design elements necessary to achieve consistency with the Ruston Way Plan.
3. **Initiation of the shoreline permit process** will occur once the shoreline permit application for the Ruston Way area is received by the Planning Department. The Shoreline Permit Administrator and the Urban Design Planner review the submitted plans and complete the Ruston Way checklist for unifying design elements and other design considerations as appropriate for the proposed project. The checklist becomes part of the applicant's shoreline permit file and will be used to compile Planning Department recommendations concerning unifying design elements, Hearings Examiner's conditions and record shoreline inspector's verification of installation of these elements.
4. **Formulation of the Planning Department's recommendations** on the shoreline permit application shall be developed by the Shoreline Permit Administrator incorporating the unifying design elements and other design considerations which are appropriate for the project, and transmitted to the Hearings Examiner. These recommendations, as the Hearings Examiner deems appropriate, may be conditioned to the shoreline permit approval and the Landscape Plan approval. The appropriate unifying design elements are required to be shown on the Landscape Plan. Specifications and drawings of the other design considerations are required to be attached to the Landscape Plan.
5. **Review of the submitted landscape plan and the general site and building permit plans** shall be done by the Shoreline Administrator, Shoreline Inspector, Urban Design Planner, Landscape Architect, and Public Works Representatives once a shoreline permit has been approved. The plans are checked for compliance with the Hearings Examiner's determination and special conditions of approval for the shoreline permit pertaining to the unifying design elements and the other design considerations.
6. **Verification of the installation of design elements and design considerations** at the project site prior to and during construction stages and again prior to the issuance of a final as well as temporary occupancy permit shall be conducted by the Shoreline Inspector using a copy of the final approved checklist and plans. If discrepancies occur, enforcement action including on-site correction will be required. Once the checklist has been complied with and installation has been verified, the checklist is completed and filed in the shoreline permit file.

# Ruston Way Checklist

Project _____

| UNIFYING DESIGN ELEMENTS | Planning Department Recommendations COMMENTS | Hearings Examiner Conditions FINDINGS | Shoreline Inspection Verification COMMENTS |
|---|---|---|---|
| 1. LANDSCAPE (VEGETATION) | ☐ | ☐ | ☐ |
| Plant Varieties | | | |
| Selected Tree | | | |
| Compatibility | | | |
| 2. LIGHTING | ☐ | ☐ | ☐ |
| Area | | | |
| Street | | | |
| Bollard | | | |
| 3. SIGNS | ☐ | ☐ | ☐ |
| Bollard | | | |
| Public Activity | | | |
| Logo | | | |
| Sign Symbols | | | |
| Materials | | | |
| Color | | | |
| 4. BENCHES | ☐ | ☐ | ☐ |
| 5. PICNIC TABLES | ☐ | ☐ | ☐ |
| 6. TRASH RECEPTACLES | ☐ | ☐ | ☐ |
| 7. BICYCLE/PEDESTRIAN PATH | ☐ | ☐ | ☐ |
| 8. BICYCLE BOLLARDS/RACKS | ☐ | ☐ | ☐ |
| 9. BOLLARDS | ☐ | ☐ | ☐ |
| Railing | | | |
| Non-Access | | | |
| Seating | | | |
| 10. RIPRAP/BULKHEAD | ☐ | ☐ | ☐ |
| 11. SHELTERS | ☐ | ☐ | ☐ |
| 12. DRINKING FOUNTAIN | ☐ | ☐ | ☐ |
| 13. TRAILS | ☐ | ☐ | ☐ |
| 14. ROADWAY DESIGN | ☐ | ☐ | ☐ |

# Ruston Way Checklist

Project _____

| **OTHER DESIGN CONSIDERATIONS** | Planning Department Recommendations COMMENTS | Hearings Examiner Conditions FINDINGS | Shoreline Inspection Verification COMMENTS |
|---|---|---|---|
| 1. BULKHEAD | ☐ | ☐ | ☐ |
| 2. SHORELINE CLEANUP | ☐ | ☐ | ☐ |
| 3. PARKING/STREET OCCUPANCY PERMIT | ☐ | ☐ | ☐ |
| 4. EXTERIOR OF BUILDING | ☐ | ☐ | ☐ |
| Design | | | |
| Color | | | |
| Materials | | | |
| Marine Compatibility | | | |
| 5. VIEWS | ☐ | ☐ | ☐ |
| Shoreside | | | |
| Within Buildings | | | |
| 6. WATER ACCESS | ☐ | ☐ | ☐ |
| 7. BOAT ACCESS | ☐ | ☐ | ☐ |
| 8. PARKING | ☐ | ☐ | ☐ |
| 9. FENCES/SCREENS | ☐ | ☐ | ☐ |
| 10. ART (PUBLIC DEVELOPMENTS) | ☐ | ☐ | ☐ |
| 11. SHORELINE MODIFICATIONS | ☐ | ☐ | ☐ |

City of Tacoma
Ruston Way Design Elements

# BE • 1

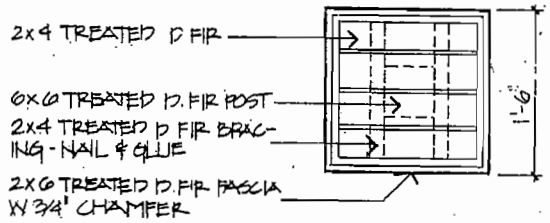
Custom-Built

## BENCH WITH NO BACK

- **RECTANGULAR**
- **SQUARE**

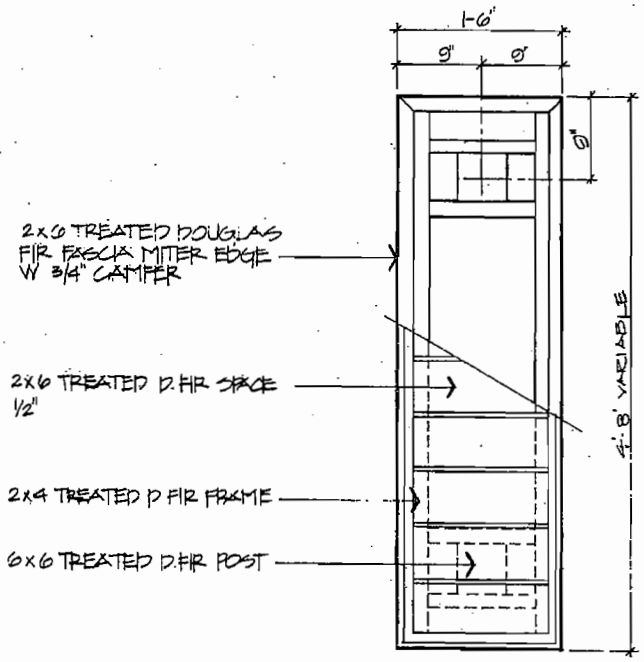
FOR USE WITH TABLE
SEE SHEET TA • 1

### Square Bench With No Back




**Type A**

### Rectangular Bench With No Back




**Type B**

NOTE: REFER TO SPECIFICATIONS

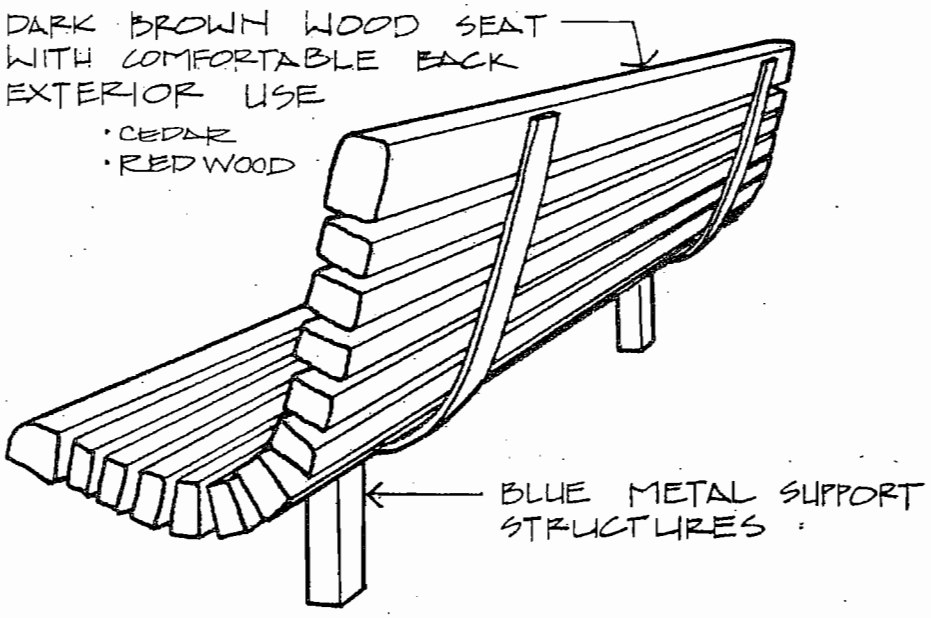
*Any substitutions or modifications must be reviewed and approved by the Planning Department, prior to construction, preferably during the design stage of a proposed project.*

City of Tacoma
Ruston Way Design Elements

# BE • 2

Catalogue Item

## BENCH WITH BACK




**Type C**

SOURCE:
AVAILABLE FROM SEVERAL
MANUFACTURERS

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City of Tacoma
Ruston Way Design Elements

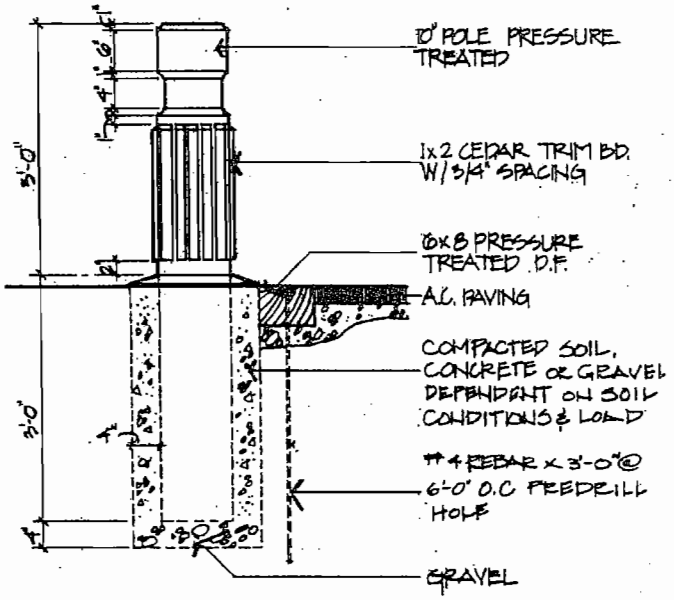
Custom-Built

# BO • 1

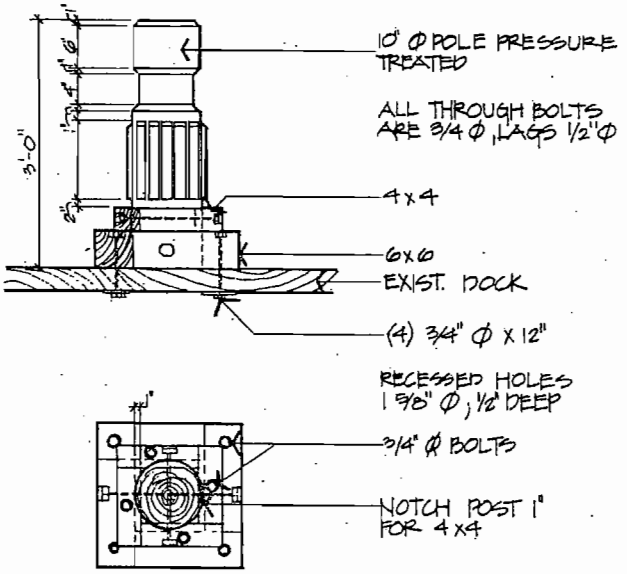
## BASIC BOLLARD

- **EMBEDDED**
- **ATTACHED TO DECK**

### Basic Bollard - Embedded




### Basic Bollard - Attached To Deck

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City of Tacoma
Ruston Way Design Elements

# BO·2

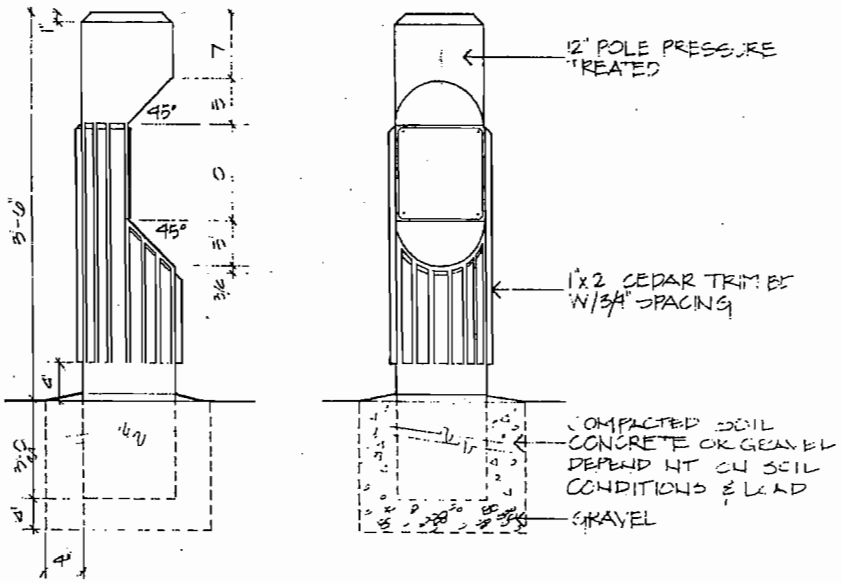
Custom-Built

## SIGN BOLLARD

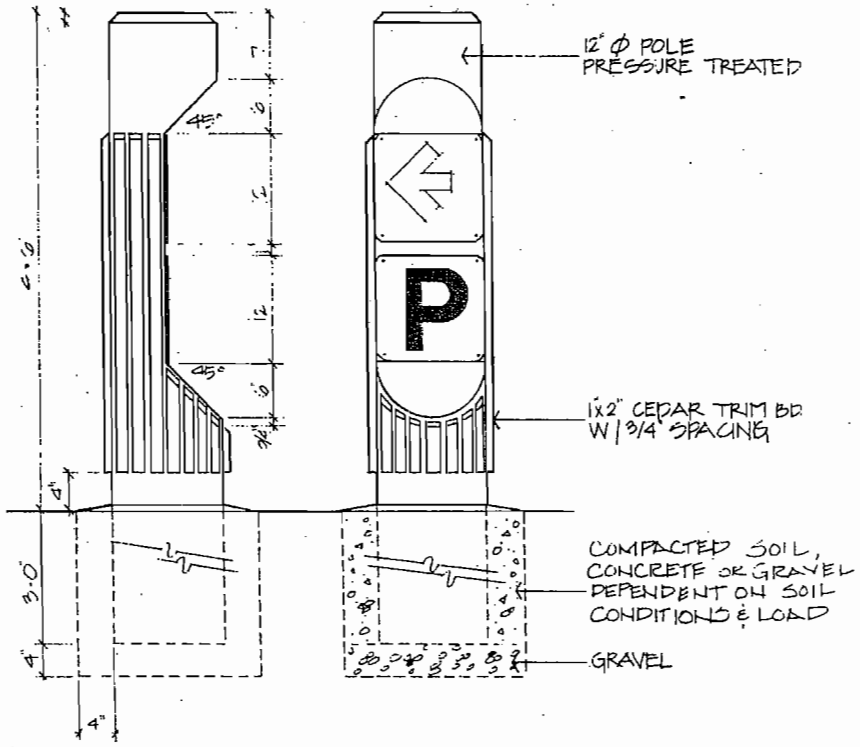
- **SINGLE SIGN**
- **DOUBLE SIGN**

SEE SHEET L·2

### Single Sign Bollard




### Double Sign Bollard




NOTE: REFER TO SPECIFICATIONS

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City of Tacoma
Ruston Way Design Elements

# BO·3

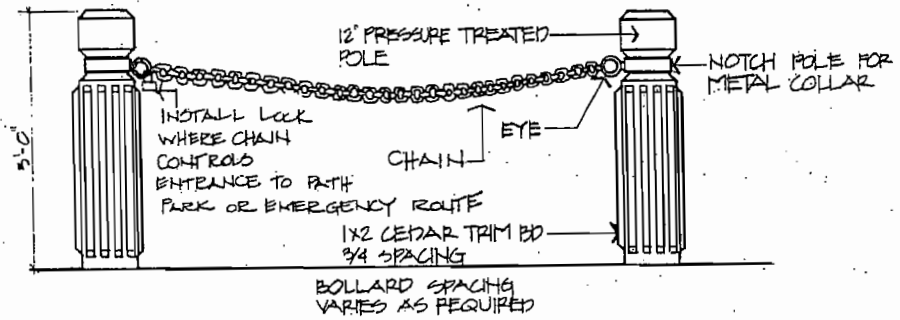
Custom-Built

## BARRICADE BOLLARD

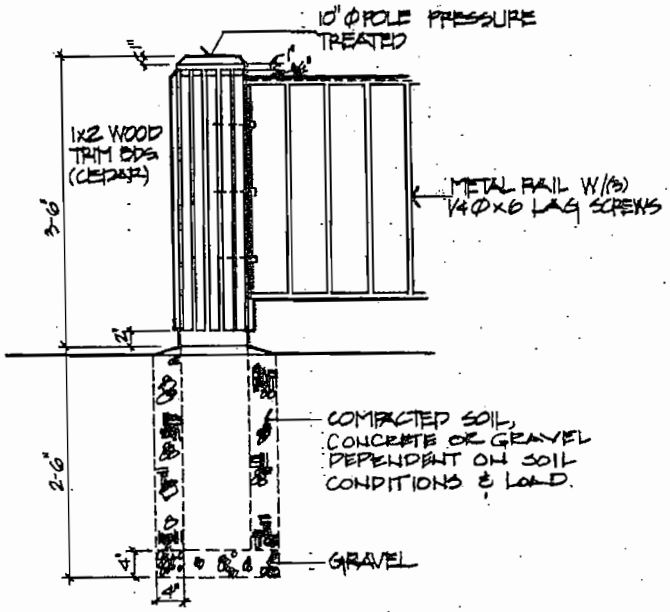
- **CHAIN ATTACHMENT**
- **RAILING POST**

FOR BASIC BOLLARD
DESIGN - SEE SHEETS BO·1

### Barricade Bollard With Chain




### Bollard As Railing Post




NOTE: REFER TO SPECIFICATIONS

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City of Tacoma
Ruston Way Design Elements

# BO·4

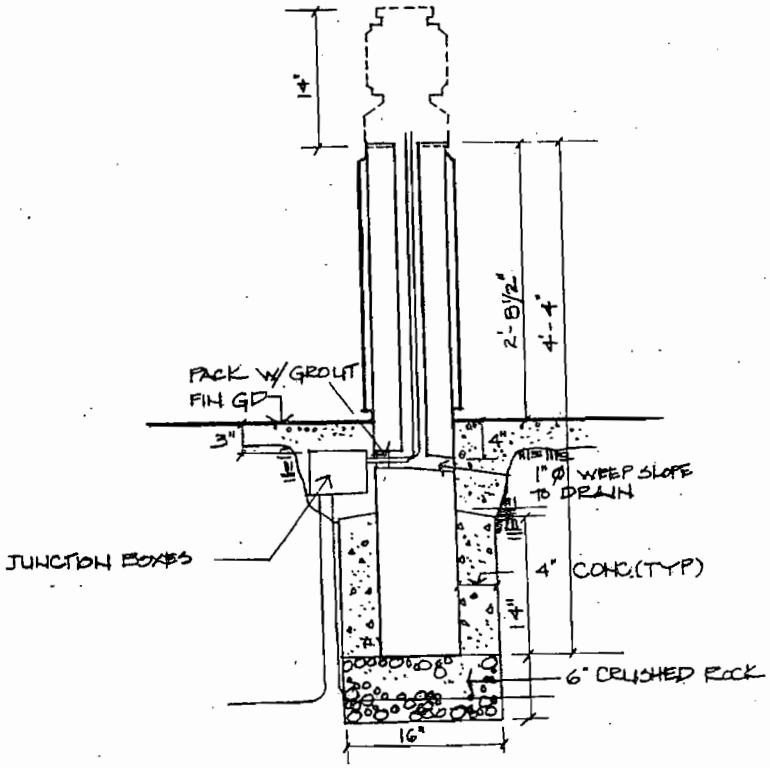
Custom-Built

## MISCELLANEOUS BOLLARD

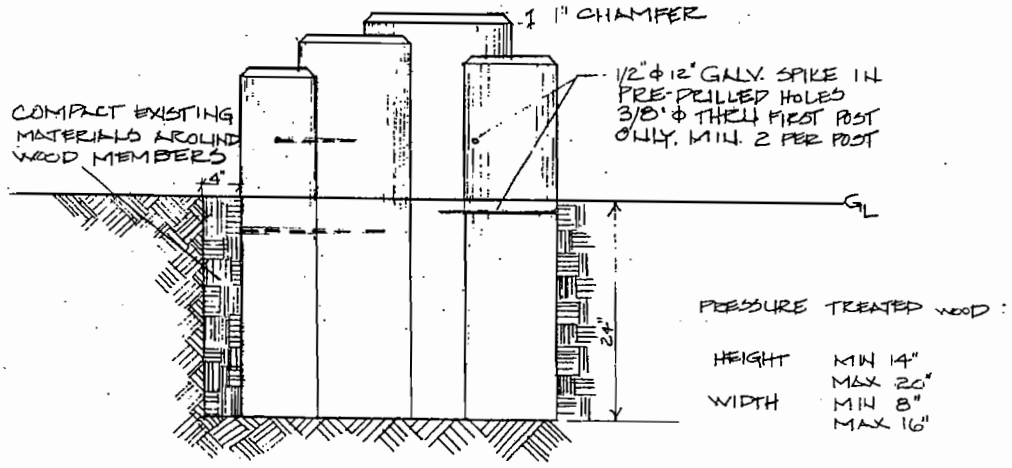
- **SEATING BOLLARD**
- **LIGHTING BOLLARD**

FOR LIGHTING FIXTURE
SEE SHEET L·2

### Lighting Bollard




### Seating Bollard




SEATING BOLLARD

NOTE: REFER TO SPECIFICATIONS

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City of Tacoma
Ruston Way Design Elements

# BP • 1

Custom-Built

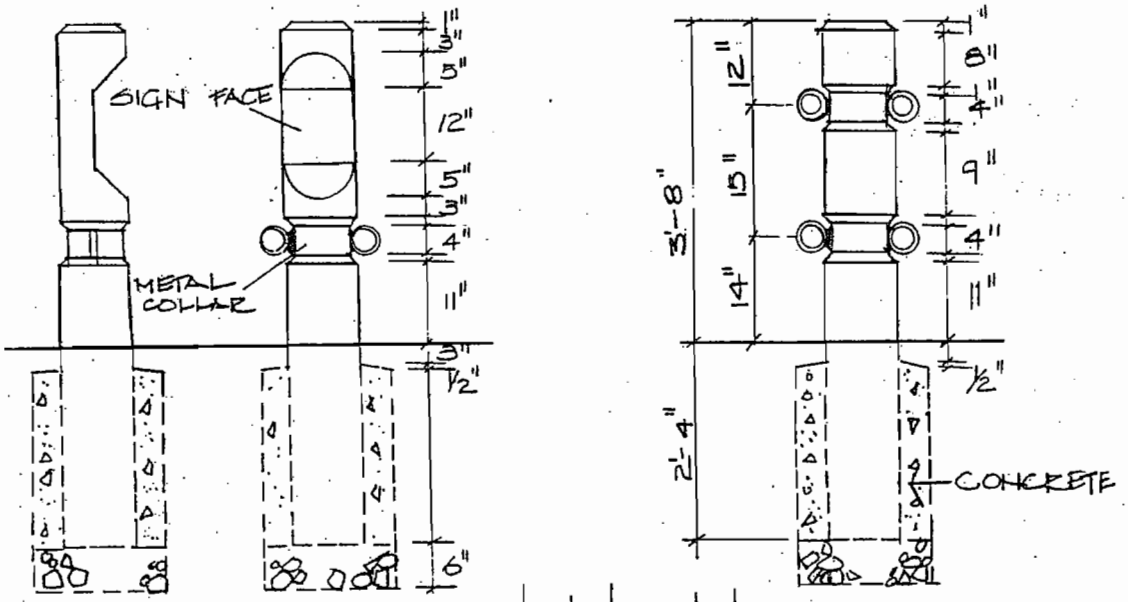
## BICYCLE PARKING

- **DOUBLE BICYCLE BOLLARD**
- **BICYCLE RACK**

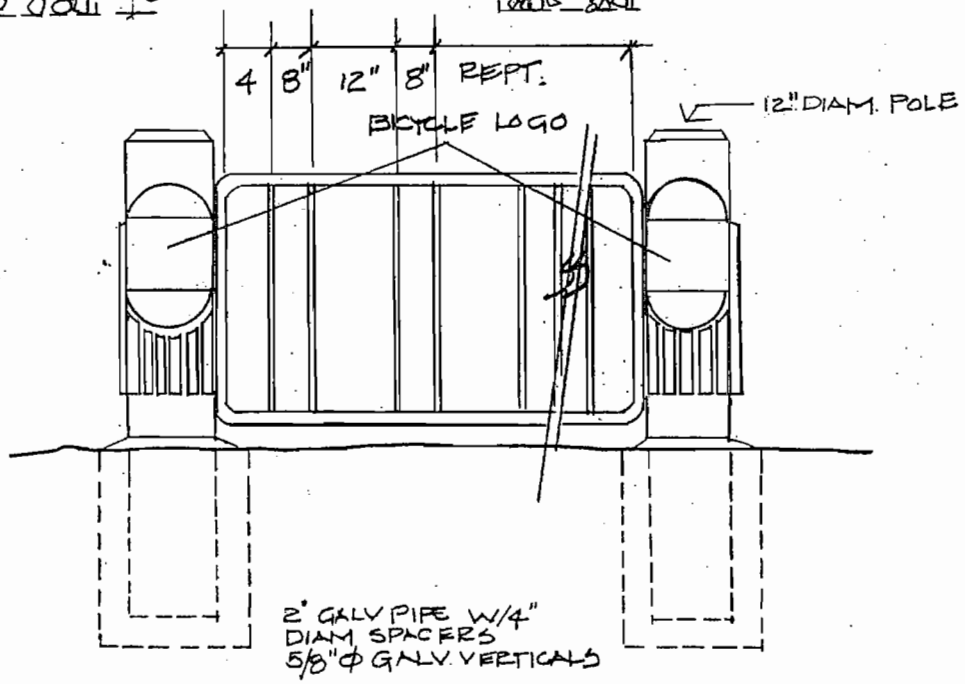
FOR BOLLARD DESIGN
SEE SHEET BO • 1

FOR SIGN DESIGN
SEE SHEET SI • 1

### Double Bicycle Bollard




### Bicycle Rack




NOTE: REFER TO SPECIFICATIONS

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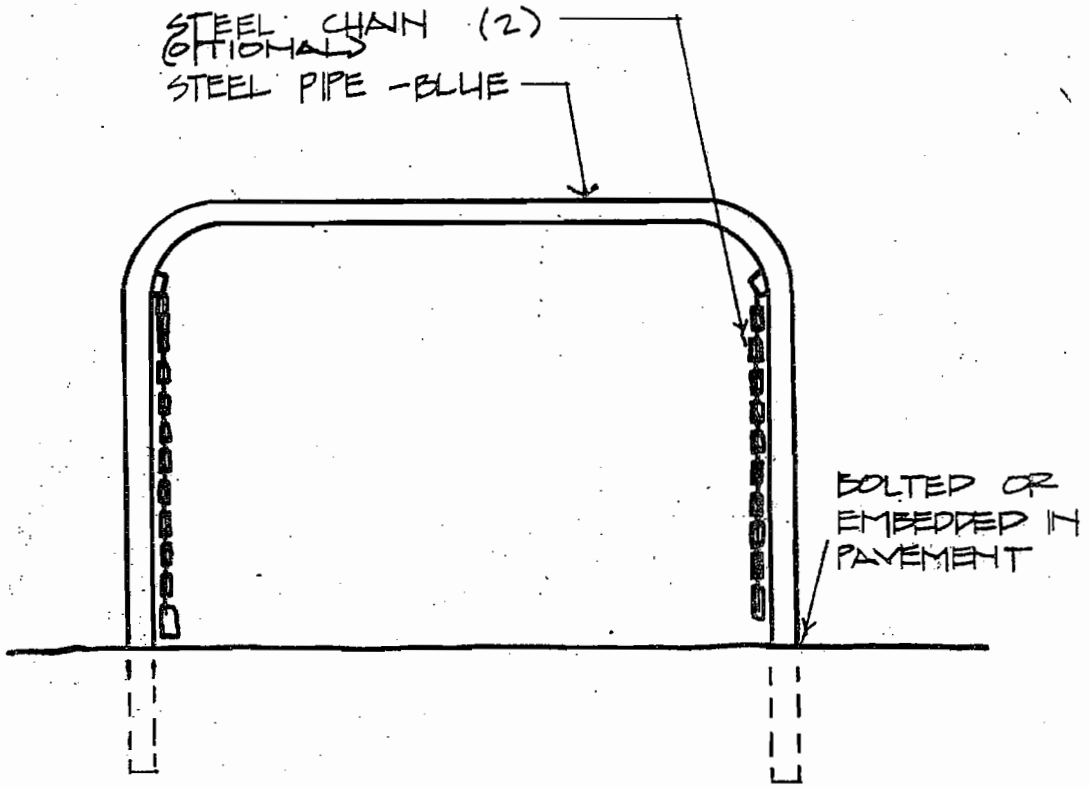
City of Tacoma
Ruston Way Design Elements

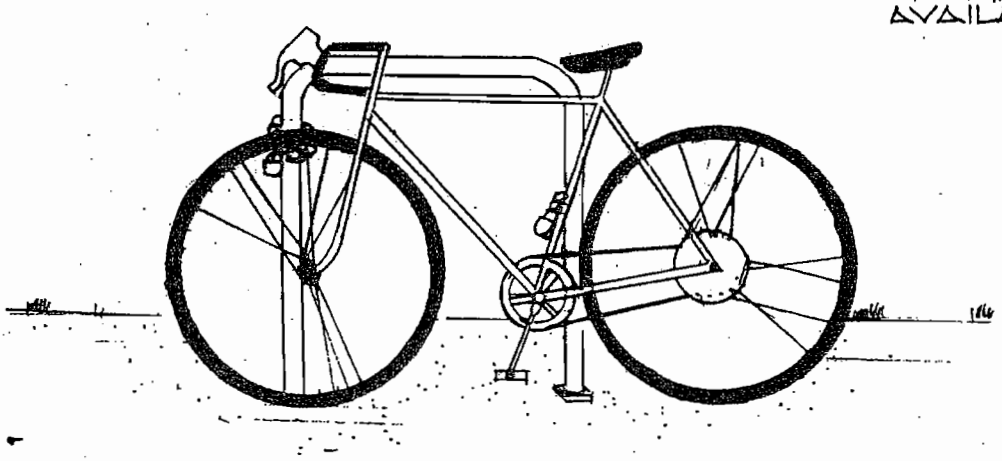
# BP·2

Catalogue Item

## BICYCLE PARKING




SOURCE: SEVERAL
MANUFACTURER'S
AVAILABLE



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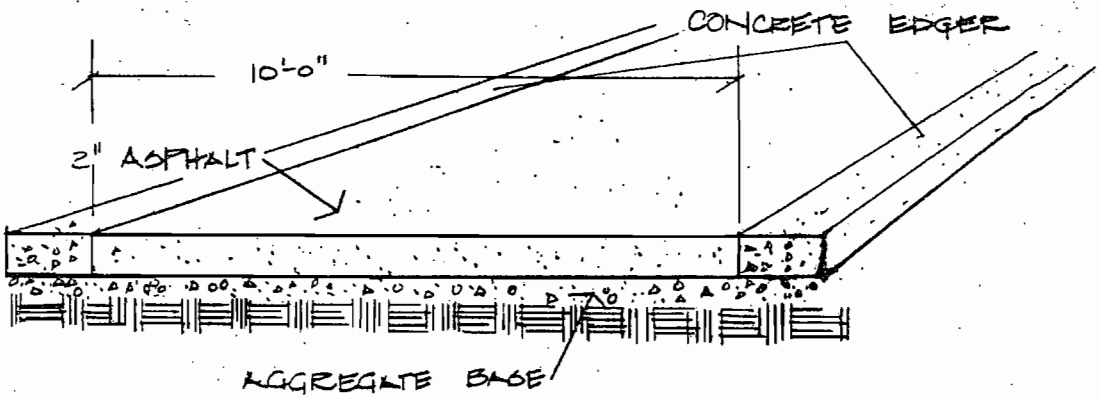
City of Tacoma
Ruston Way Design Elements

# BP·3

Custom-Built

## BICYCLE PATH




DESIGN SPEED - 18 MPH
RADIUS OF
CURVATURE - 50'
WIDTH - 10'

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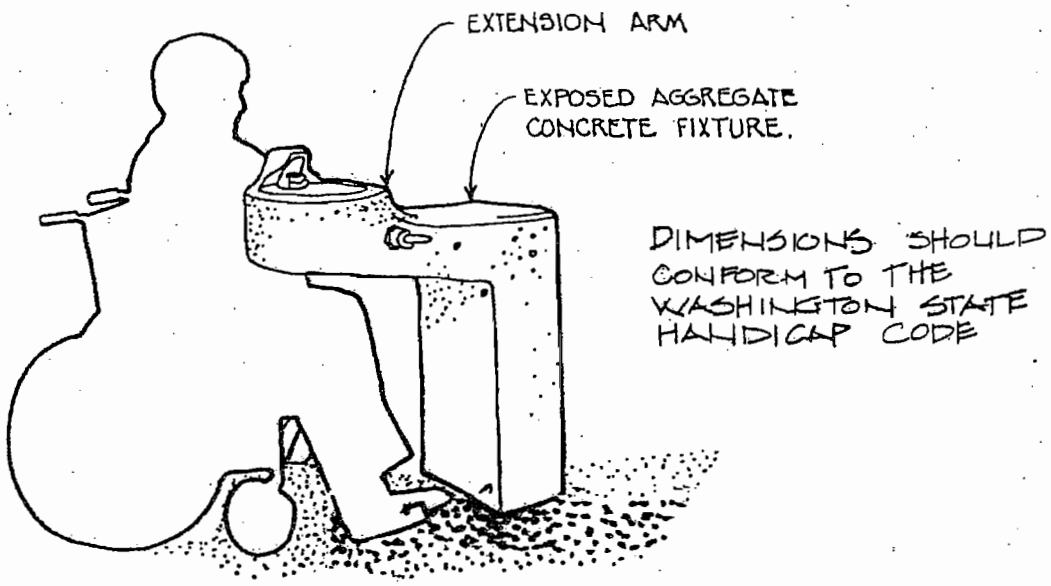
City of Tacoma
Ruston Way Design Elements

# DF • 1

Catalogue Item

## DRINKING FOUNTAIN WITH HANDICAP FEATURE

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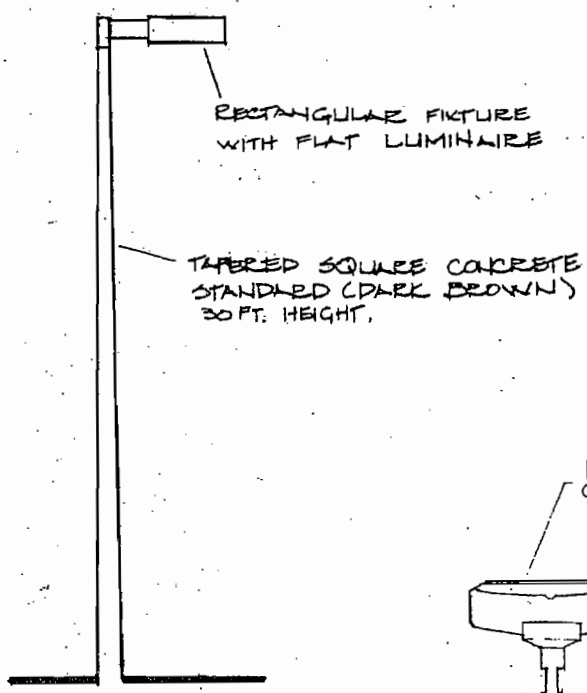
City of Tacoma
Ruston Way Design Elements

# LI · 1

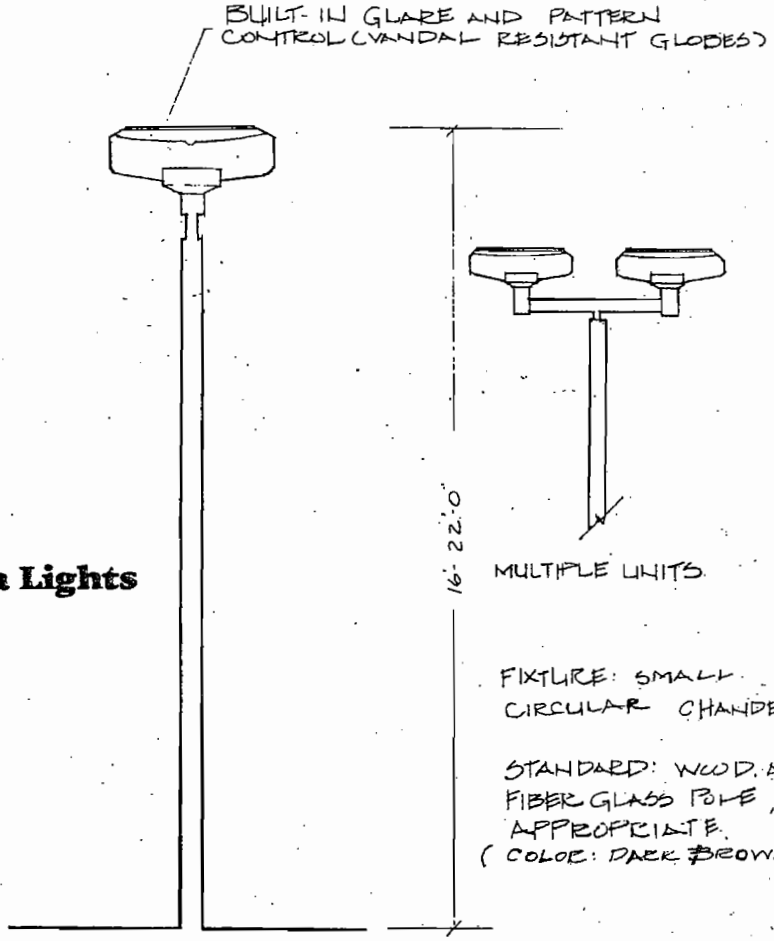
Catalogue Item

## OVERHEAD LIGHTS

- **STREET LIGHTS**
- **PARKING LOT AND AREA LIGHTS**




**Street Lights**




**Parking Lot and Area Lights**

FIXTURE: SMALL CIRCULAR CHANDELIER

STANDARD: WOOD, ALUMINUM FIBER GLASS POLE, CONCRETE, AS APPROPRIATE.
(COLOR: DARK BROWN)

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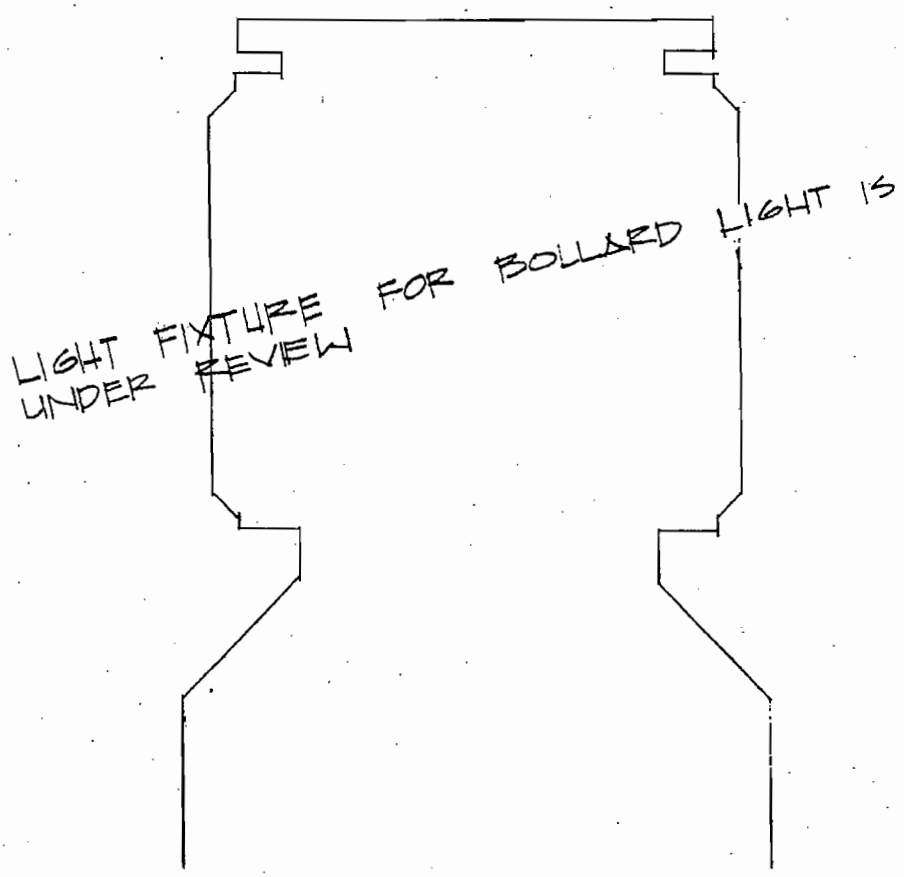
# LI·2

## LIGHTING FIXTURE FOR BOLLARD LIGHT

FOR BOLLARD LIGHT STANDARD
SEE SHEET BO·4




*Any substitutions or modifications must be reviewed and approved by the Planning Department, prior to construction, preferably during the design stage of*

# LANDSCAPING

- TREES
- PLANT LIST

## TREES

| | |
|---|---|
| Acer sp. | Maple |
| Alnus sp. | Alder |
| Arbutus menziesii | Pacific Madrone |
| Chamaecyparis sp. | Cypress |
| Cornus sp. | Dogwood |
| Crataegus sp. | Hawthorne |
| Pinus sp. | Pine |
| Pseudotsuga taxifolia | Douglas Fir |
| Thuja plicata | Western Red Cedar |
| Tsuga sp. | Hemlock |

## SHRUBS AND GROUND COVERS

| | |
|---|---|
| Arbutus unedo | Strawberry Madrone |
| Artostaphylos uva-ursi | Kinnikinnick |
| Ceanothus sp. | Ceanothus |
| Cistus sp. | Rockrose |
| Cotoneaster sp. | Cotoneaster |
| Cytisus sp. | |
| Elaeagnus sp. | |
| Escallonia sp. | Escallonia |
| Euonymus japonica | |
| Gaultheria shallon | Salal |
| Genista sp. | |
| Juniperus sp. | Juniper |
| Lonicera nitida, pileata | Box, Privet Honeysuckle |
| Mahonia sp. | |
| Myrica sp. | Myrtle |
| Polysticum munitum | Western Sword Fern |
| Rhododendron sp. | Rhododendron, Azalea |
| Rosemarinus sp. | Rosemary |
| Vaccinium sp. | |
| Viburnum sp. | Viburnum |

Recommended Street Tree: Acer Pseudoplatanus

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City of Tacoma
Ruston Way Design Elements

# RW • 1

Custom-Built

## RIPRAP SEAWALL DESIGN AND CONSTRUCTION

The following is the City of Tacoma Public Works Department, Engineering Division policy concerning riprap seawall design and construction.

All riprap seawalls within the City of Tacoma shall be designed and constructed in accordance with the **Shoreline Protection Manual**, Volume I, II, II, published by the U.S. Army Coastal Engineers Research Center, 1973. A copy of this document can be obtained by writing:

Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402
Stock No. 0822-00077

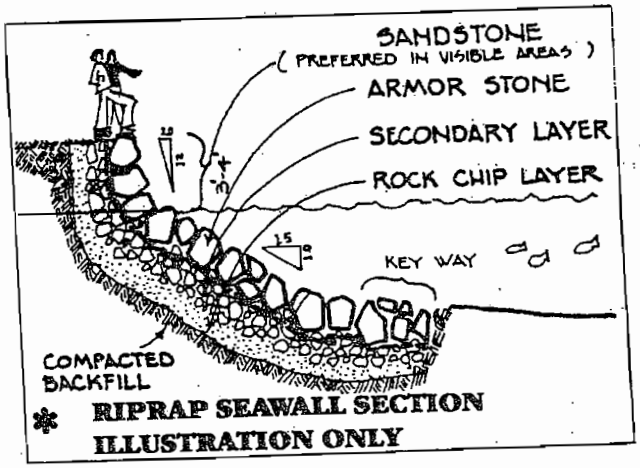
The manuals are also available for use at the Tacoma Public Library.

The design wave height for Commencement Bay is 4.7 feet. The maximum slope of the riprap shall not exceed 1-1/2 horizontal to 1 vertical. All rock used to construct the seawall shall meet the following minimum requirements:

1. Specific Gravity - 2.65 minimum
2. Absorption - Not more than 3.0% (Corps of Engineers CRD-C-107)
3. Accelerated Expansion - Not more than 15% breakdown (CRD-C-148)(15 days)
4. Soundness - Not greater than 5% loss ($M_gSO_4$ at 5 cycles)(CRD-C-137)

Test results from a certified laboratory showing that the rock used in the seawall meets the above requirements shall be submitted to the City for approval.

All riprap seawalls shall be designed by a licensed professional engineer registered in the State of Washington and shall be submitted to the City for approval. The design engineer shall inspect the construction of the seawall to certify that it is built in accordance with the approved design. The engineer's written certification shall be submitted to the City within 15 days from the date of completion.

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# SI·1

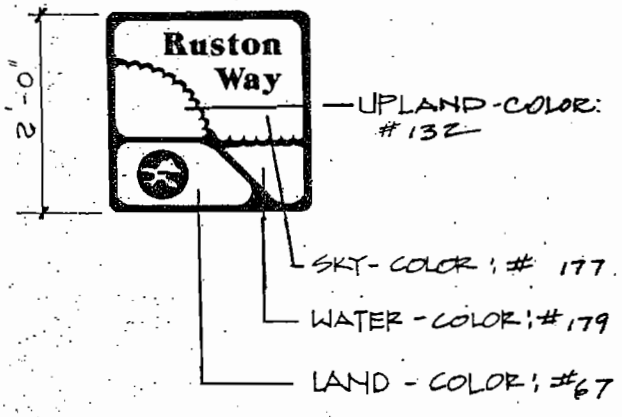
Custom-Built

# INTERNATIONAL SIGN SYMBOLS
# RUSTON WAY SIGN

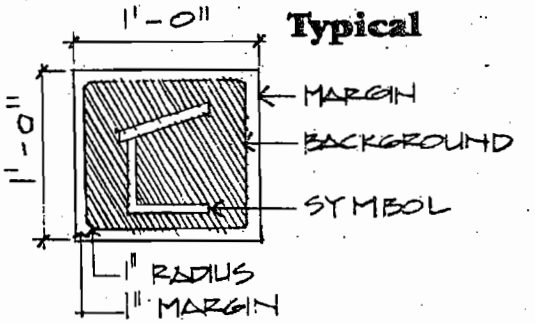
## International Sign Symbols

**USE THE FOLLOWING SIGN SYMBOLS FOR PUBLIC AND PRIVATE DEVELOPMENT**


## Ruston Way Logo and Sign




## International Sign - Typical




FOR COLORS SEE SPECS

| LEGEND | NO. | ISCC-NBS DISIGNATION | MUNSELL RENOTATION |
|---|---|---|---|
| | 132 | DEEP YELLOW GREEN | 0.96 3.5/9.0 |
| | 177 | BRILLIANT BLUE | 1.6PB 5.9/9.4 |
| | 179 | DEEP BLUE | 2.8PB 2.5/7.9 |
| | 67 | BRILLIANT ORANGE-YELLOW | 0.1Y 8.1/10.5 |

NOTE: REFER TO SPECIFICATIONS

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City of Tacoma
Ruston Way Design Elements

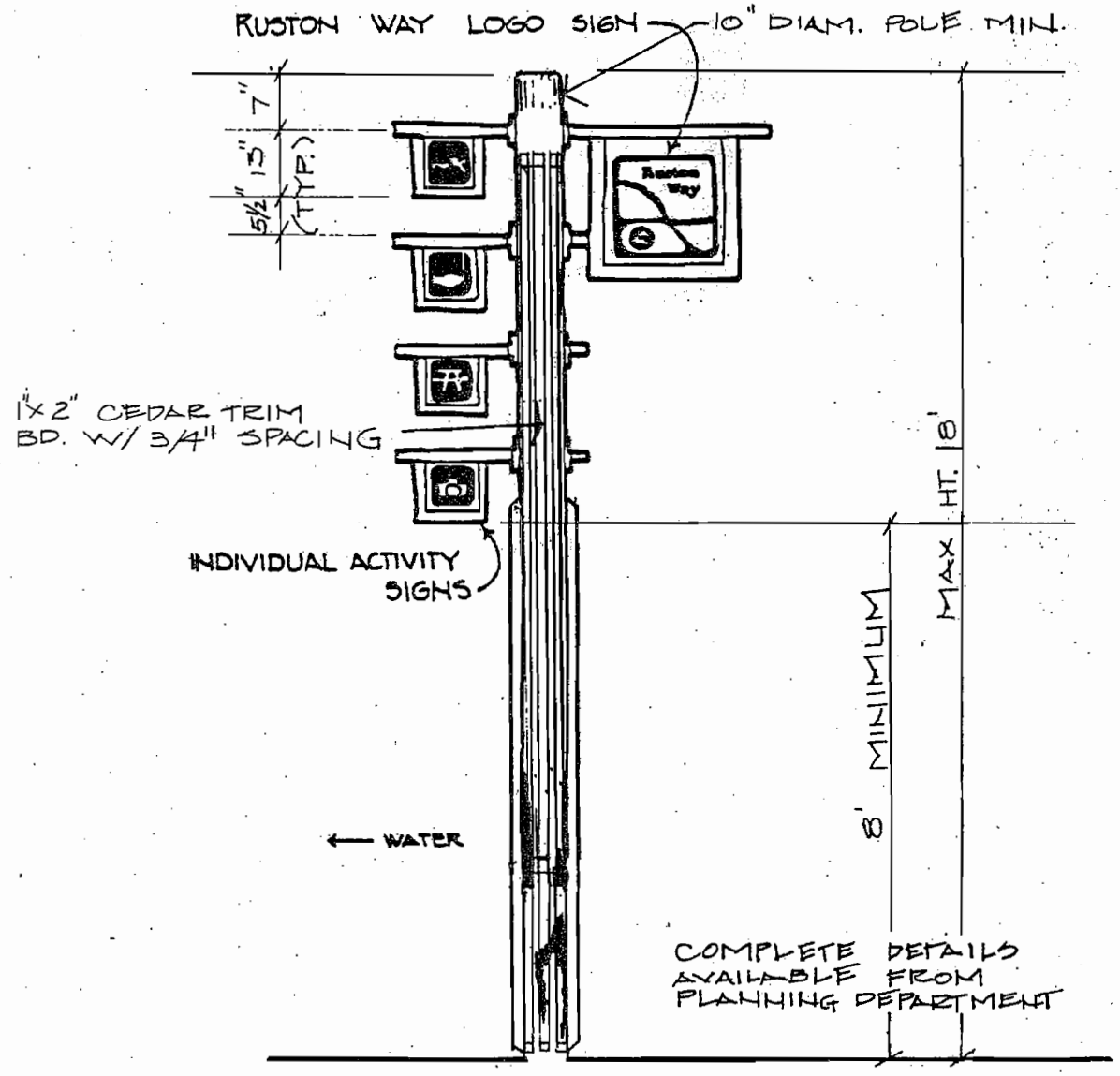
# SI·2

Custom-Built

## SIGN DISPLAY

- **INDIVIDUAL ACTIVITY SIGNS**
- **BOLLARDS - SEE SHEET BO·2**

SEE SHEET S·1




NOTE: REFER TO SPECIFICATIONS

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City of Tacoma
Ruston Way Design Elements

# TA · 1

Custom-Built

## WOODEN TABLE

- **SQUARE**
- **RECTANGULAR**

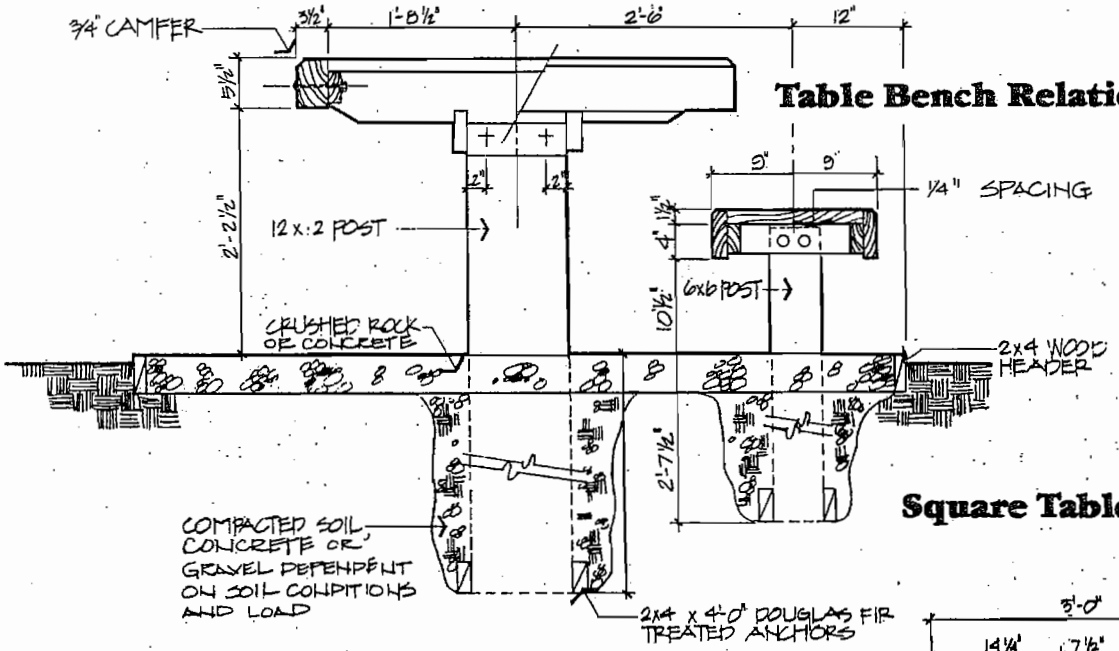
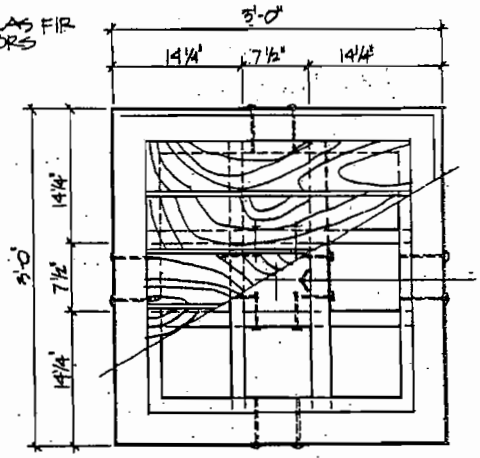
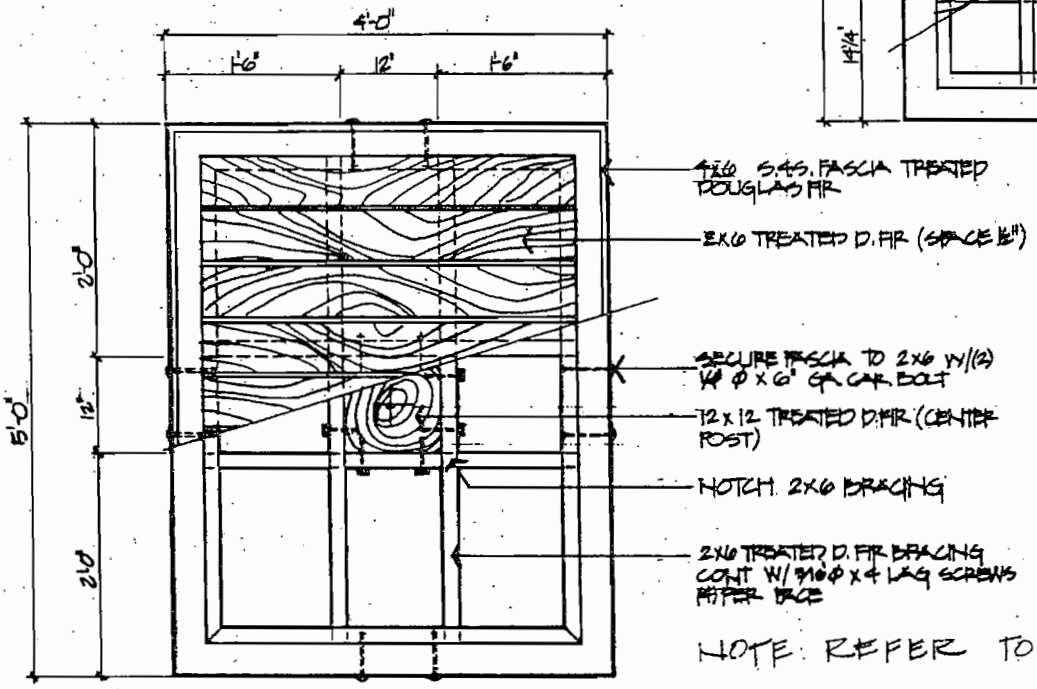



**Table Bench Relationship - Section**




**Square Table - Plan View**

**Rectangular Table - Plan View**

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City of Tacoma
Ruston Way Design Elements

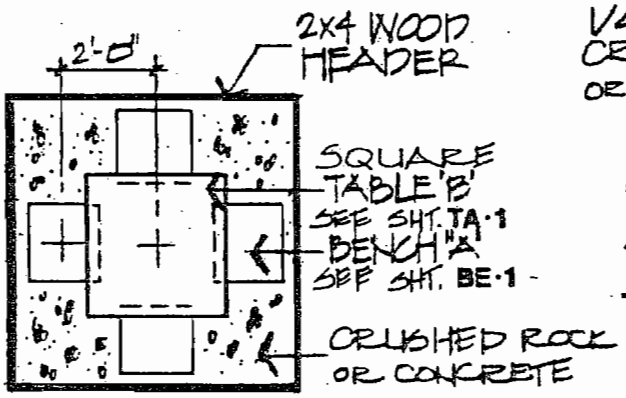
# TA·2

Custom-Built

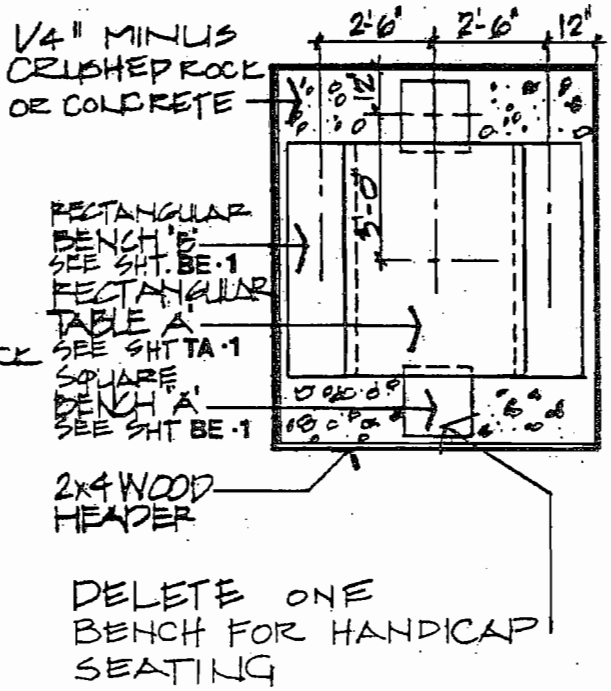
## TABLE WITH BENCHES

- **RECTANGULAR - BENCH**
- **SQUARE - BENCH**

### Square Table With Four Square Benches




### Rectangular Table With Two Square and Two Rectangular Benches

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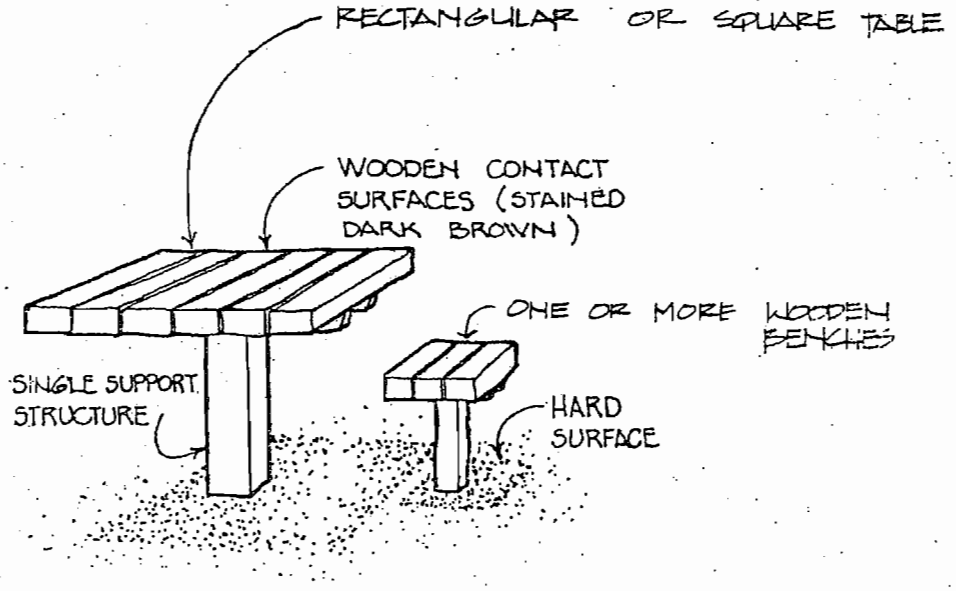
City of Tacoma
Ruston Way Design Elements

# TA·3

Catalogue Item

## PICNIC TABLE AND BENCHES




SOURCE: AVAILABLE FROM SEVERAL MANUFACTURERS

NOTE: REFER TO SPECIFICATIONS

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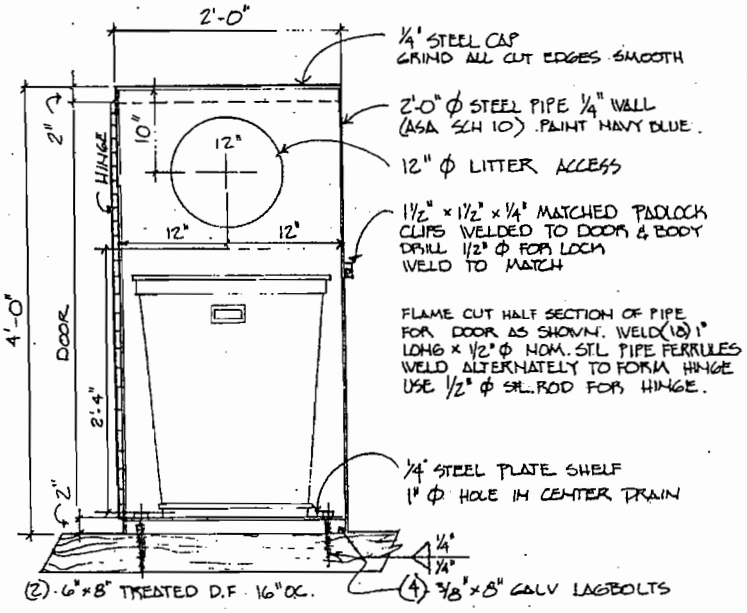
City of Tacoma
Ruston Way Design Elements

# TR · 1

Custom-Built

## TRASH RECEPTACLES




NOTE: REFER TO SPECIFICATIONS

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# SPECS.

## SPECIFICATIONS FOR CUSTOM BUILT ITEMS

**Bench - Type "A" "B" and "C"**

**Picnic Table - Type "A" and "B" (custom built)**

Note: All wood members shall meet the grading rules of the Western Wood Products Association.

| | |
|---|---|
| Dimensional Lumber: | Douglas Fir SIS select no. 1. |
| Preservative Treatment: | Light solvent penta. 0.40 lbs. per cubic ft. retention (nonincised) applied in conformance with APWA Standards or approved equal. |
| Finishing Treatment: | Two coats of Olympic Stain #716 or approved equal. |
| Post Supports, Braces and Anchors: | Douglas Fir Construction grade or better. |
| Preservative Treatment: | Chemonite/ACA 0.40 lbs. per cubic ft. retention applied in conformance with APWA or approved equal. |
| Finishing Treatment: | None. |
| Nails, Washers, Framing, Anchors and Fasteners: | Hot dipped and galvanized as per ASTM A-123. |
| Steel Items: | Conform to ASTM A-36. |
| Bolts: | Conform to ASTM A-307. |

Note: All ferrous metal - sprayed with one coat PPG no. 6020 Rust Inhibitive Primer or approved equal.

| | |
|---|---|
| Footing: | Compacted soil, concrete, or gravel depending on load and soil conditions. |

**Bollard (custom built)**

Note: All wood members shall meet the grade rules of the Western Wood Products Association.

| | |
|---|---|
| Poles: | Machine peeled Douglas Fir equal to select structural grade or better. |
| Preservative Treatment: | Cut to proper length. Chemonite/ACA 0.40 lbs. per cubic ft. retention. Applied in conformance with APWA Standards or approved equal. |
| Trim Boards: | 1" x 2" cedar, rough sawn - construction grade or better. |
| Preservative Treatment: | None. |
| Nails: | Hot dipped and galvanized as per ATSM A-123. |
| Nails: | Hot dipped and galvanized as per ASTM A-123. |
| Footing: | Compacted soil, concrete or gravel - depending on load and soil conditions. |

**Miscellaneous Metals (custom built)**

Includes: trash cans
steel collar for wood bollard
wood bollard luminaires
chains for non-access bollards

| | |
|---|---|
| Metal Sizes: | See drawings. |
| Preservative Treatment: | Delivered to the site with a galvanized or painted surface - treatment of 1 shop coat of PPG no. 6028 Ruston Inhibitive Primer or approved equal. |
| Finishing Treatment: | 2 coats of marine enamel paint mixed to match recommended colors or approved equal. |

**Ruston Way Sign**

Use colors specified on drawings.

**Signs**

International sign symbols use white symbols on specified background with a white margin.

| | |
|---|---|
| Colors: | Match colors for signs with paint colors listed below. |

Blue - PPG Nautical Blue N-7063 Gloss Alkyd

White - PPG White Buff P-2519 Exterior Gloss Alkyd Enamel MWF 4.0 mils


PROJECT STAFF

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City
of Tacoma