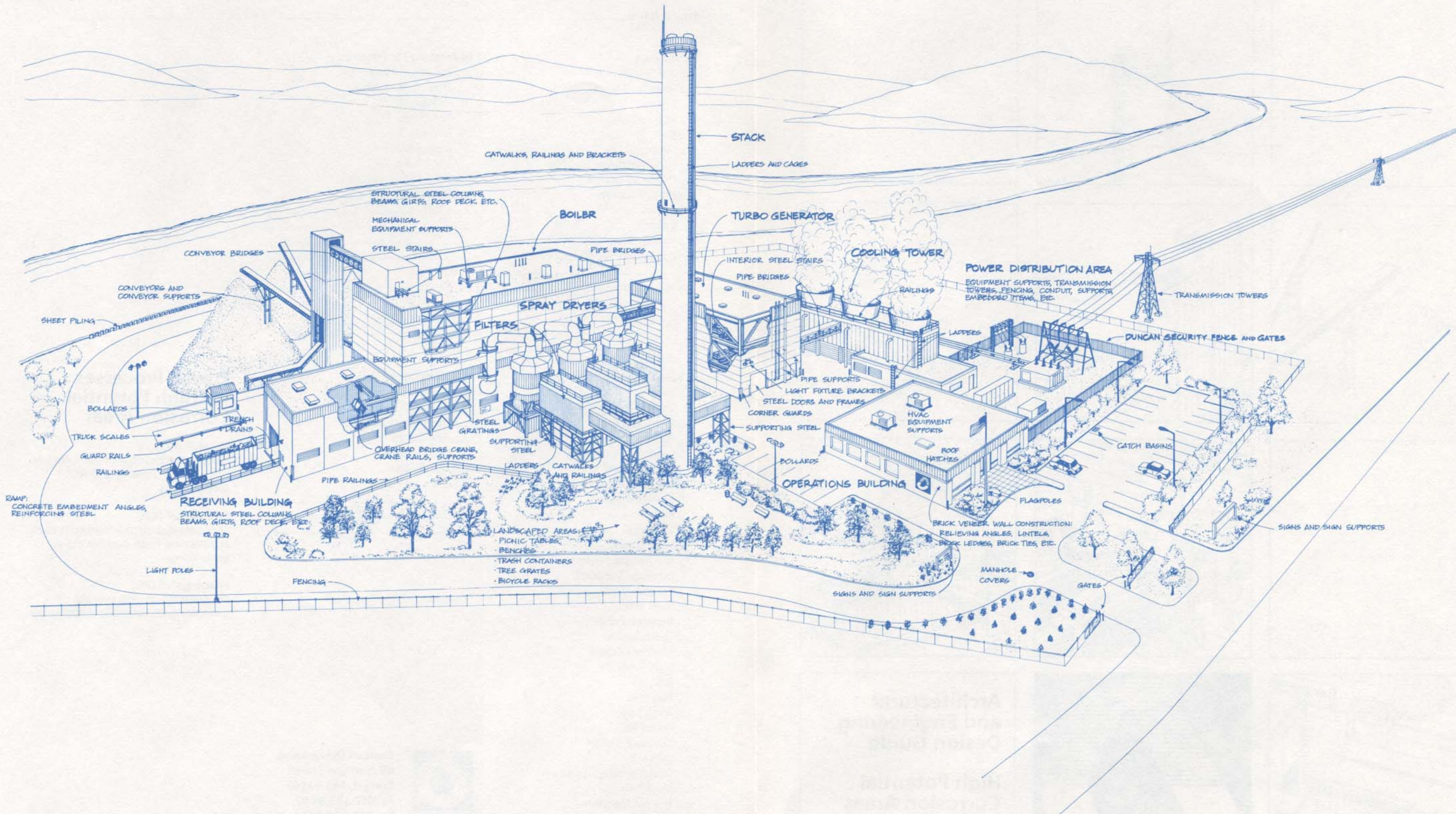


**Architectural  
and Engineering  
Design Guide**

**High Potential  
Corrosion Areas  
in Power  
Generation  
Facilities**



# Power Generation - Design Check List

Project Name \_\_\_\_\_ Date \_\_\_\_\_

## I Buildings

- Loading Dock Levelers
- Relieving Angles
- Lintels
- Brick Ledges
- Brick Ties
- Structural Steel
- Roof Hatches
- Overhead Cranes
- HVAC Supports
- Beams
- Columns
- Purlins, Girts
- Equipment Supports

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## II Yard Equipment

- Railings
- Steel Grating
- Pipe Supports
- Pipe Bridges
- Ladders
- Trench Covers
- Corner Guards
- Embedded Items
- Bridges
- Catwalks
- Valve Stands
- Mechanical Screens
- Conveyor Supports
- Cranes
- Steel Stairs
- Duncan Fence**
- Catch Basins
- Manhole Covers
- Sign Supports
- Bollards
- Flag Pole
- Truck Scale
- Guard Rail
- Conveyor Bridges
- Sheet Piling
- Coal Handling Equipment
- Truck Lifts
- Hopper Structures

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 \_\_\_\_\_  
 \_\_\_\_\_

## III Electrical Substation

- Equipment Supports
- Transmission Towers
- Fencing
- Bollards
- Conduit
- Embedded Items
- Light Poles
- Light Fixture Brackets
- Duncan Fence**
- Other \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## IV Landscaping

- Picnic Tables
- Benches
- Trash Containers
- Tree Grates
- Bicycle Racks
- Pipe Railing
- Duncan Fence**

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 \_\_\_\_\_

## Proven Processes for High Potential Corrosion Areas

### Duragalv (DG)

Enhanced hot dip galvanizing for today's steel utilizing environmentally friendly High Grade zinc.

### Colorshield (CS)

A translucent polymer coating that is *perfect* for those areas where a hint of color is desired.

### Primergalv (PG)

A factory applied universal primer for freshly galvanized steel, which is to receive a field-applied topcoat.

### Colorgalv (CG)

A patented and warranted factory-applied architectural color finish for hot dip galvanized steel.

### Thermoset (TS)

A high performance, dry applied polyester material that can be applied over ANY metal substrate including aluminum, or "black steel". Ideal for interior applications or wherever "architectural definition" is required.

### Thermoplex (TP)

A high performance dry applied thermoplastic elastomeric coating that can be applied over ANY metal substrate including aluminum, or "black steel". Exceptionally durable, it has been proven to withstand 20,000 salt spray testing.

### Colorgalv Thermoset (CGTS) and Colorgalv Thermoplex (CGTP)

Where extreme corrosion is a concern, Duncan Colorgalv Thermoset and Duncan Colorgalv Thermoplex are designed to be applied over a freshly galvanized surface.



Quality Since 1890

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