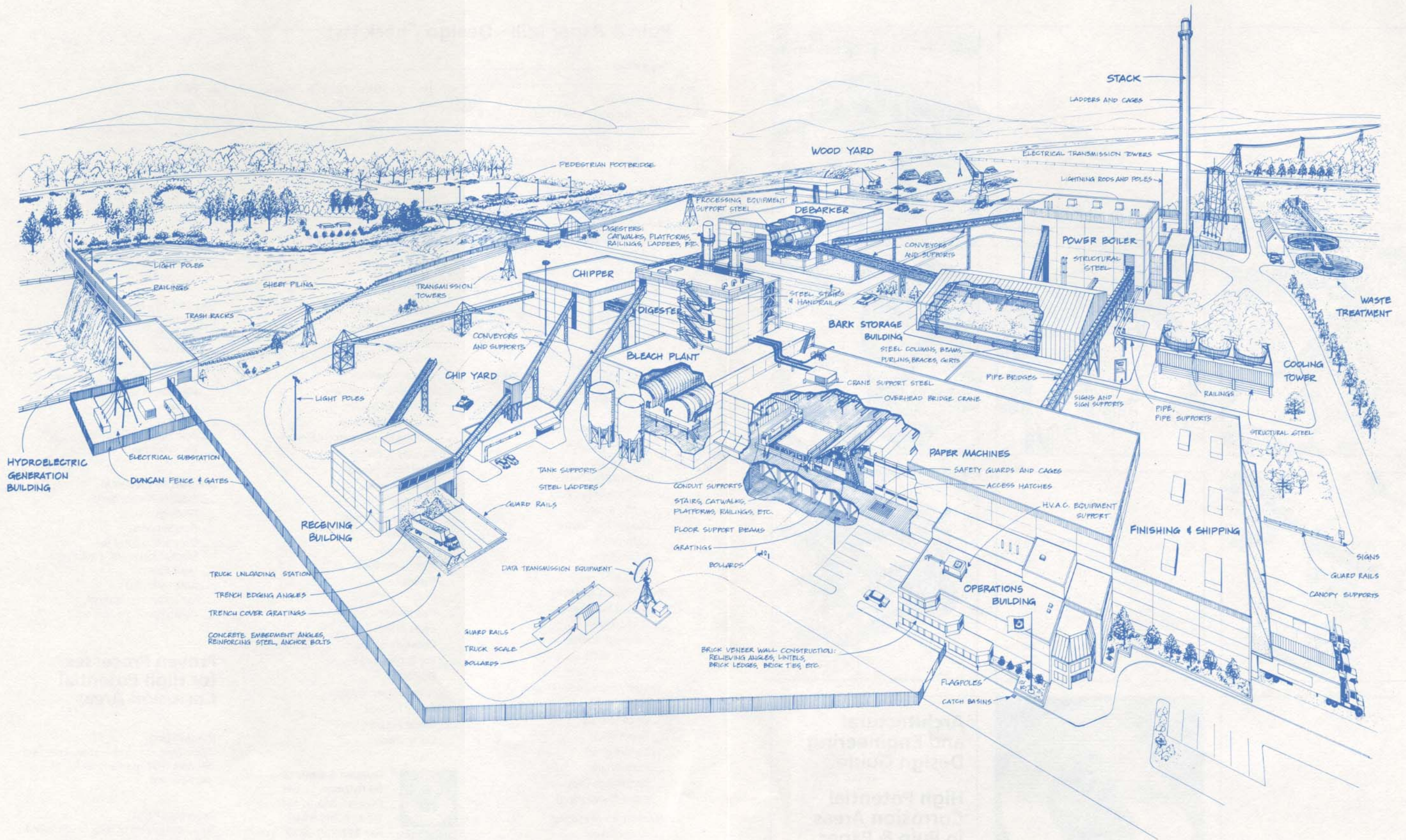


**Architectural
and Engineering
Design Guide**

**High Potential
Corrosion Areas
in Pulp & Paper
Mills**



Pulp & Paper Mill - Design Check List

Project Name _____ Date _____

Waste Water Treatment	See Design Guide #7
Office Building	See Design Guide #4
Power Plant	See Design Guide #8
Bridges	See Design Guide #6

Division 2 - Site Work

- ___ Railings
- ___ Fence/Gates
- ___ **Duncan Fence**
- ___ Guide Rail
- ___ Signs/Sign Supports
- ___ Benches
- ___ Light Poles
- ___ Bike Racks
- ___ Trash Containers
- ___ Tree Guards
- ___ Manhole Covers
- ___ Utility Covers
- ___ Post & Chain Fencing
- ___ Bollards
- ___ Fountain Accessories
- ___ Metal Sculptures
- ___ Footbridges
- ___ Microwave Towers
- ___ Antenna Supports
- ___ Light Towers
- ___ Power Dist. Towers
- ___ Lightning Rods
- ___ Guard Rail
- ___ Flag Poles

Division 3 - Concrete

- ___ Precast Hardware
- ___ Brick Ledges
- ___ Relieving Angles
- ___ Anchor Bolts
- ___ Reinforcing Steel
- ___ Mesh/Embedded Items
- ___ Lintels
- ___ Leveling Plates
- ___ Pipe Sleeves
- ___ Tunnel Liners
- ___ Curb Angles
- ___ Anchorage Clips
- ___ Cable (Tensioning)

Division 4 - Masonry

- ___ Anchor Bolts
- ___ Lintels
- ___ Relieving Angles
- ___ Brick Ledges
- ___ Trench Edging
- ___ Brick Ties
- ___ Wire Reinforcing Mesh

Division 5 - Structural/Misc. Steel

- ___ Window Washing Rails
- ___ Support. Steel
- ___ Structural Supporting Steel
- ___ Railings
- ___ Handicapped Rails
- ___ Fences and Gates
- ___ **Duncan Fence/Gates**
- ___ Anchor Bolts
- ___ Relieving Angles
- ___ Lintels
- ___ Brick Ledges
- ___ Balcony Rails
- ___ Ladders
- ___ Trash Containers
- ___ Fire Escapes
- ___ Tree Guards
- ___ Catwalks
- ___ Gratings/Hatches
- ___ Channel and Stringers for Exterior Stairs
- ___ Security Light Poles
- ___ Architectural/Ornamental Steel
- ___ Canopy Supports
- ___ Steel Floor Beams
- ___ Steel Columns
- ___ Steel Braces
- ___ Sunscreens/Trellises
- ___ Flag Poles
- ___ Curb Angle
- ___ Pipe Stanchions
- ___ Purlins
- ___ Girts
- ___ Pipe Bridges
- ___ Cross Bracing
- ___ Conveyor Supports
- ___ Pre-Engineered Bldgs.
- ___ Platforms
- ___ Safety Cages, Guards
- ___ Safety Railings
- ___ Crane Support Steel
- ___ Cover Plates
- ___ Dock Levelers
- ___ Scale Equipment
- ___ Pedestrian Bridges
- ___ Equipment Bridges
- ___ Bridge Cranes

- ___ Tank Supports
- ___ Trash Racks
- ___ Stack Supports
- ___ Scuppers/Drains
- ___ Drain Pipes
- ___ Pilings
- ___ Vehicle Wash Equip.
- ___ Dam Gates
- ___ Fish Ladders

Division 15 - Mechanical

- ___ Anchor Bolts
- ___ Catwalks
- ___ Gratings
- ___ Supporting Steel for Mechanical/HVAC Equipment
- ___ Equipment Screens
- ___ Louvers
- ___ Other
- ___ Pipe Supports
- ___ Roof Hatches

Division 16 Electrical

- ___ Exterior Anchor Bolts
- ___ Gratings
- ___ Pipe Supports
- ___ Supporting Steel for Mechanical/HVAC Equipment
- ___ Light Poles
- ___ Conduit Bridges
- ___ Substation Equipment
- ___ Hydro Power Equipment

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.



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Quality Since 1890