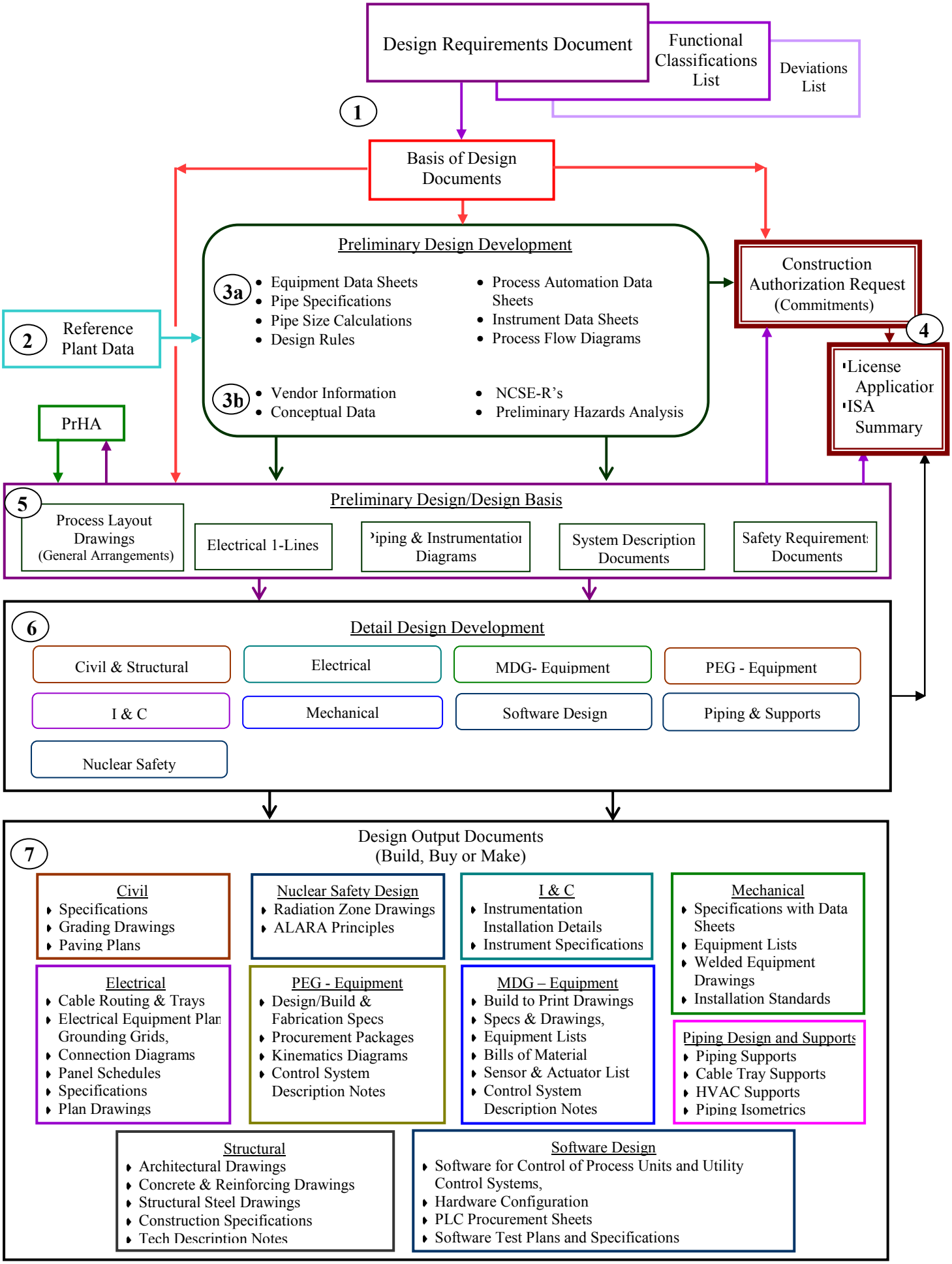
Design Requirements Document
Functional Classifications List
Deviations List
1
Basis of Design Documents
Preliminary Design Development
3a
Equipment Data Sheets
Pipe Specifications
Pipe Size Calculations
Design Rules
Process Automation Data Sheets
Instrument Data Sheets
Process Flow Diagrams
3b
Vendor Information
Conceptual Data
NCSE-R's
Preliminary Hazards Analysis
Construction Authorization Request (Commitments)
4
License Application
ISA Summary
2
Reference Plant Data
PrHA
5
Preliminary Design/Design Basis
Process Layout Drawings (General Arrangements)
Electrical 1-Lines
Piping & Instrumentation Diagrams
System Description Documents
Safety Requirements Documents
6
Detail Design Development
Civil & Structural
Electrical
MDG- Equipment
PEG - Equipment
I & C
Mechanical
Software Design
Piping & Supports
Nuclear Safety
7
Design Output Documents (Build, Buy or Make)
Civil
Specifications
Grading Drawings
Paving Plans
Nuclear Safety Design
Radiation Zone Drawings
ALARA Principles
I & C
Instrumentation Installation Details
Instrument Specifications
Mechanical
Specifications with Data Sheets
Equipment Lists
Welded Equipment Drawings
Installation Standards
Electrical
Cable Routing & Trays
Electrical Equipment Plan
Grounding Grids,
Connection Diagrams
Panel Schedules
Specifications
Plan Drawings
PEG - Equipment
Design/Build & Fabrication Specs
Procurement Packages
Kinematics Diagrams
Control System Description Notes
MDG – Equipment
Build to Print Drawings
Specs & Drawings,
Equipment Lists
Bills of Material
Sensor & Actuator List
Control System Description Notes
Piping Design and Supports
Piping Supports
Cable Tray Supports
HVAC Supports
Piping Isometrics
Structural
Architectural Drawings
Concrete & Reinforcing Drawings
Structural Steel Drawings
Construction Specifications
Tech Description Notes
Software Design
Software for Control of Process Units and Utility Control Systems,
Hardware Configuration
PLC Procurement Sheets
Software Test Plans and Specifications