

Engineering Deliverables - Service Levels



	Basic	Recommended	Custom
General			
Operation & Maintenance Manual	0	0	X
Recommended Spare Parts List	0	0	X
Training Manual			X
Process			
Process Calculations			0
Process Flow Diagram (PFD)		X	X
Piping & Instrumentation Diagram (P&ID)	X	X	X
Battery Limit Table		0	X
Utilities Requirements Summary	0	0	X
Civil/ Structural/ Architectural			
Foundation Loading & Anchoring Diagrams	X	X	X
Structural Layouts*	0	X	X
Structural Details*	0	X	X
Building Drawings *	0	X	X
Structural Calculations		X	X
Lifting Study*			X
Mechanical			
Equipment List	0	X	X
Equipment Data Sheets		X	X
Subvendor Equipment Drawings	0	X	X
Lubrication Schedule	0	0	X
Storage & Preservation Schedule		0	X
Mechanical Installation Details	0	0	X
Piping & Layout			
Plot Plan / Elevation (General Arrangement)	X	X	X
Piping General Arrangement*	0	X	X
Piping Isometrics*		0	X
Pipe Support Drawings*	0	0	X
Line Designation Table*		0	X
Valve List*		0	X
Special Piping Items List*		0	X
3D Plant Model			0
Electrical Engineering			
Electrical Load List	0	X	X
Electrical Equipment List	0	X	X
Electrical Data Sheets		0	X
Single Line Diagram	X	X	X
Electrical Schematics*	0	X	X
Lighting Panel Schedule*	0	X	X
Lighting Study*			X
Lighting Layout*		0	X
Electrical Equipment Layout*		X	X
Electrical Installation Details*	0	0	X
MCC Layout*	0	X	X
Grounding Layout*			X
Cable Tray Layout*		0	X
Cable Schedule*			X
EHT Isometric Drawings*			X
Area Classification Drawing*			X
Instrumentation & Controls			
Instrument Index	0	X	X
Instrument Block Diagram	X	X	X
Instrument Data Sheets		X	X
Instrument Sizing Calculations*			X
Control System Architecture Diagram*		0	X
Logic Diagrams			X
Alarm & Setpoint List	0	0	X
Instrument Location Drawings		0	X
Instrument Installation Details	0	0	X
Instrument Loop Diagrams*			X
Junction Box Layouts*	0	0	X
Wiring Diagrams	0	0	X
Cause & Effect Diagrams		0	X
Control Narrative	0	X	X
Local Panel Layouts*	0	0	X
PLC/HMI Program*		0	X
Input-Output List*		0	X
HMI Screens*			X

Legend

- X Issued for Review
- 0 Issued for Information
- * Scope Dependent

Types of documentation:

- Electrical Equipment Location
- Instrument Installation Details
- Electrical Block Diagrams
- Electrical Equipment List
- Electrical Panel Layouts
- Instrument Data Sheets
- Installation Operation & Maintenance Manuals
- Electrical Schematics
- Motor Data Sheets
- Instrument Index
- Loop Diagrams
- Motor List
- HMI Program
- Cable Schedule
- Spare Parts List
- Weld Procedures
- Control Narratives
- Shut Down Program
- PLC Logic Diagrams
- Manufacturers Record Book
- Instrument Location Drawings
- Document Index / Drawing List
- Piping Arrangement Drawings
- Equipment Data Sheets
- Structural Calculations
- General Arrangements
- Inspection Test Plans
- Anchor Bolt Layout
- Catalog Cut Sheets
- Foundation Loads
- Project Schedule
- Equipment List P&ID's
- I/O List
- Valve List
- Line List
- Lifting Diagram
- Quality Data Book
- Structural Drawings
- Assembly Drawings
- Fabrication Drawings
- Piping Spool Drawings
- Surface Prep & Painting
- Long Term Storage & Preservation Instructions