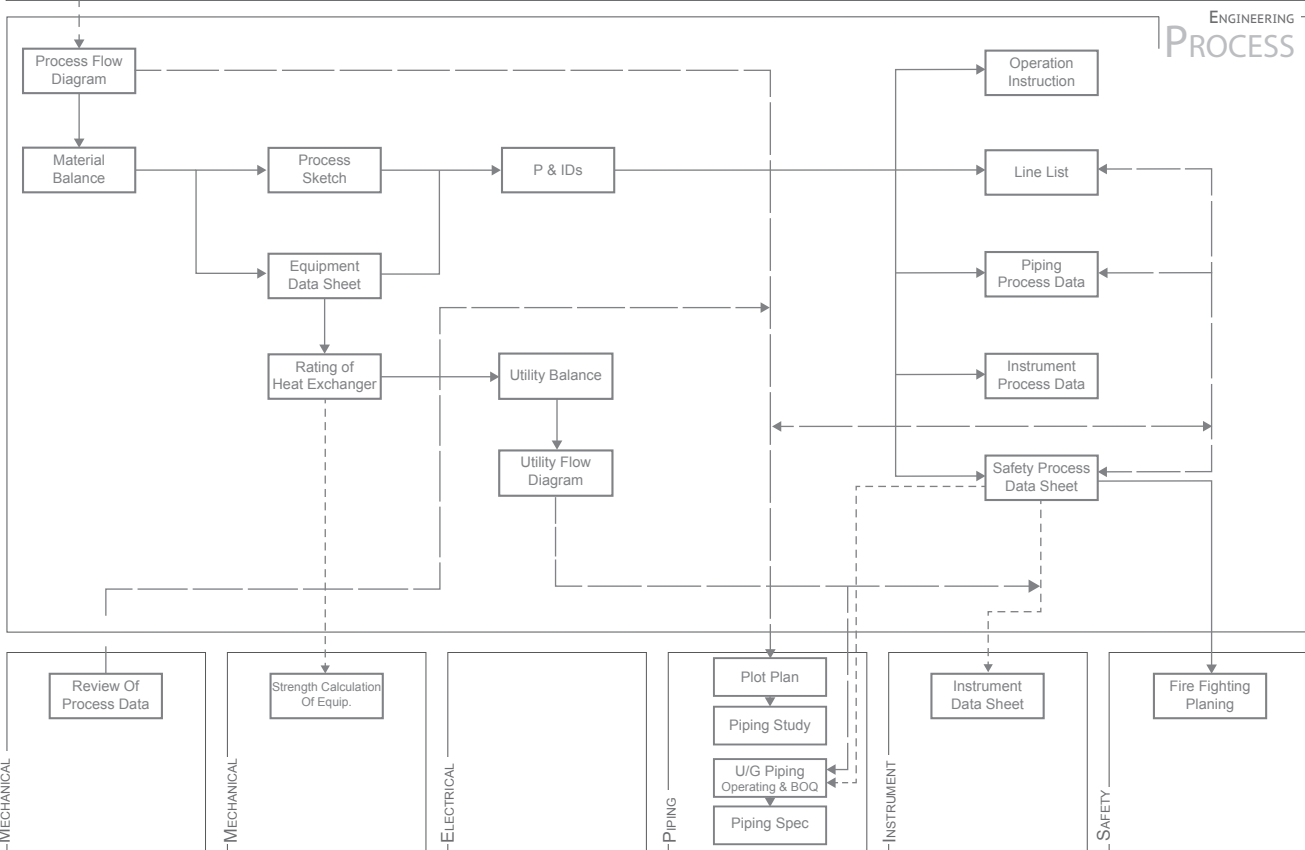
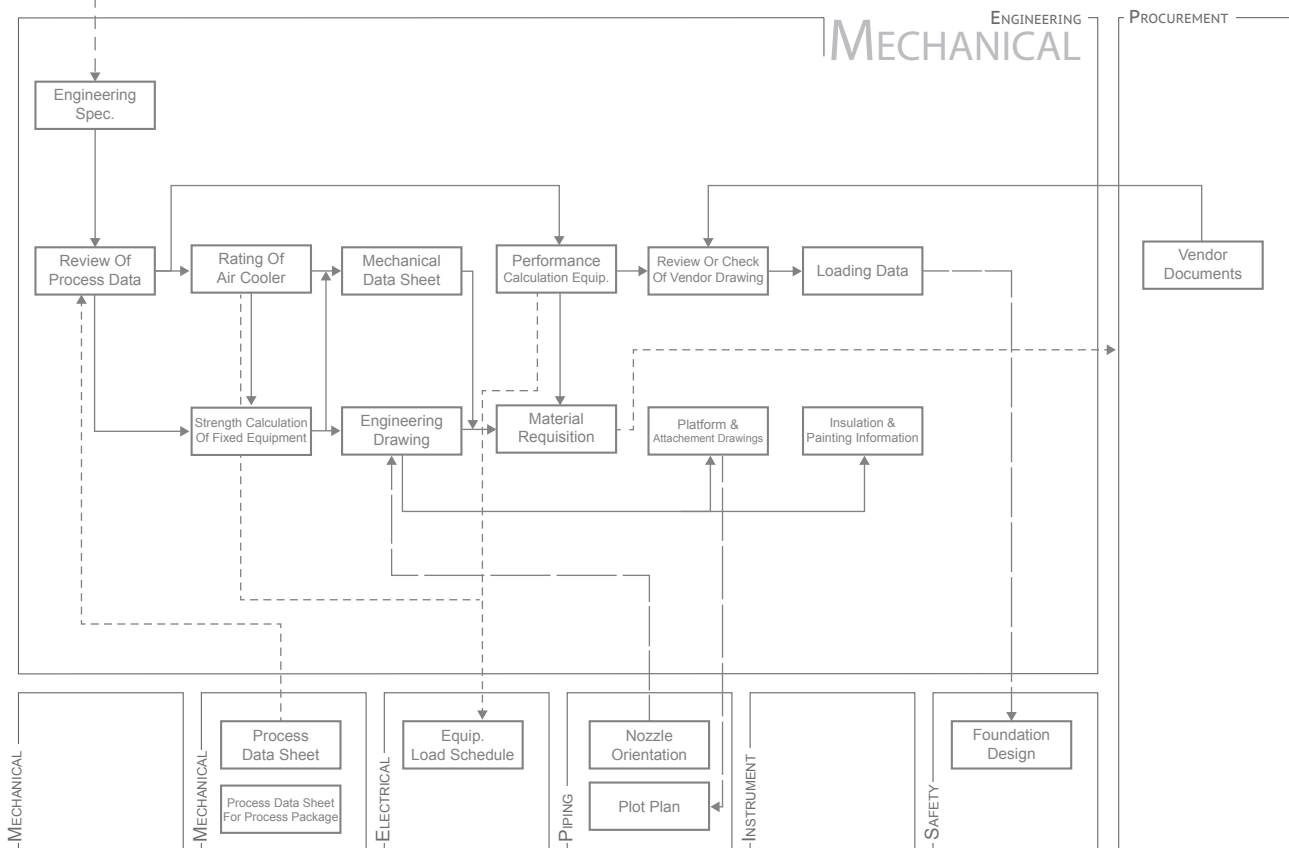


BASIC & FEED

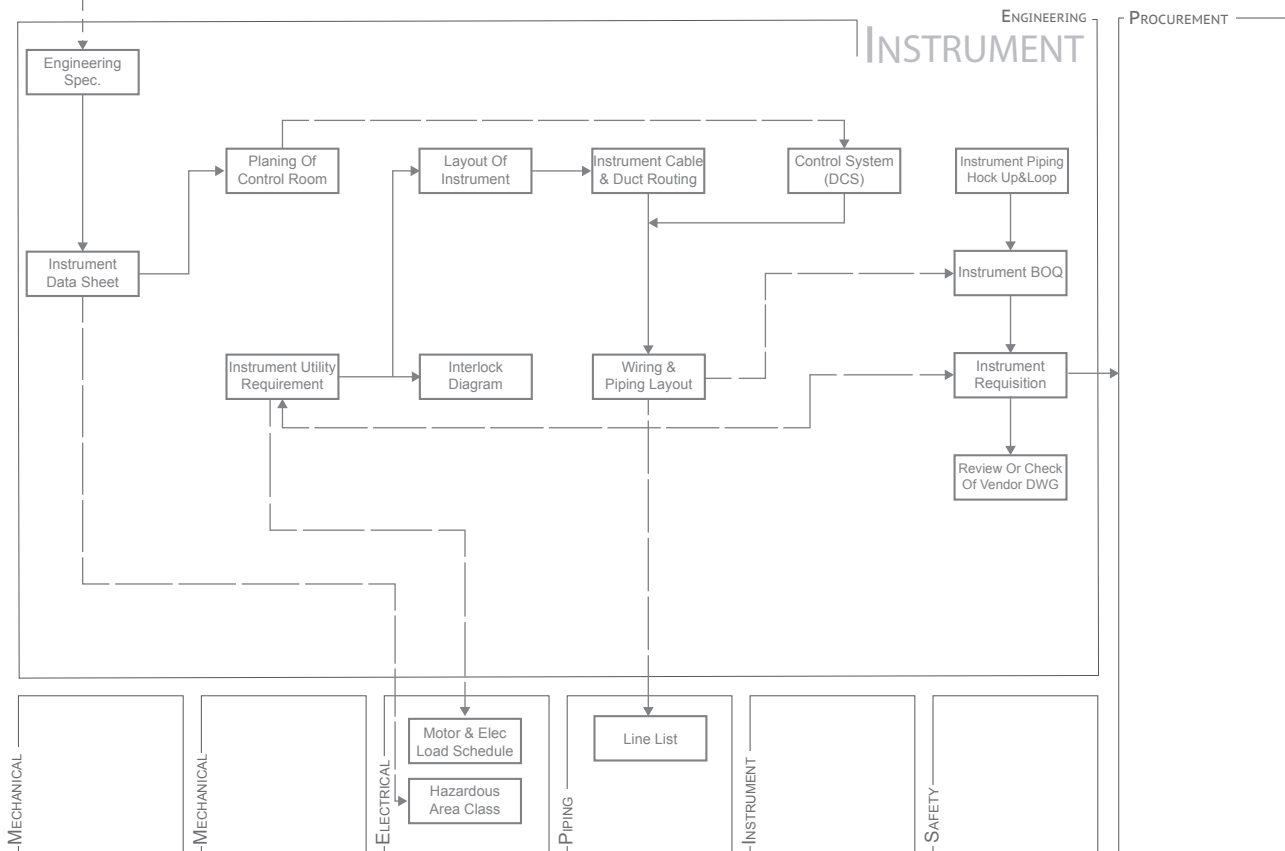
ENGINEERING PROCESS



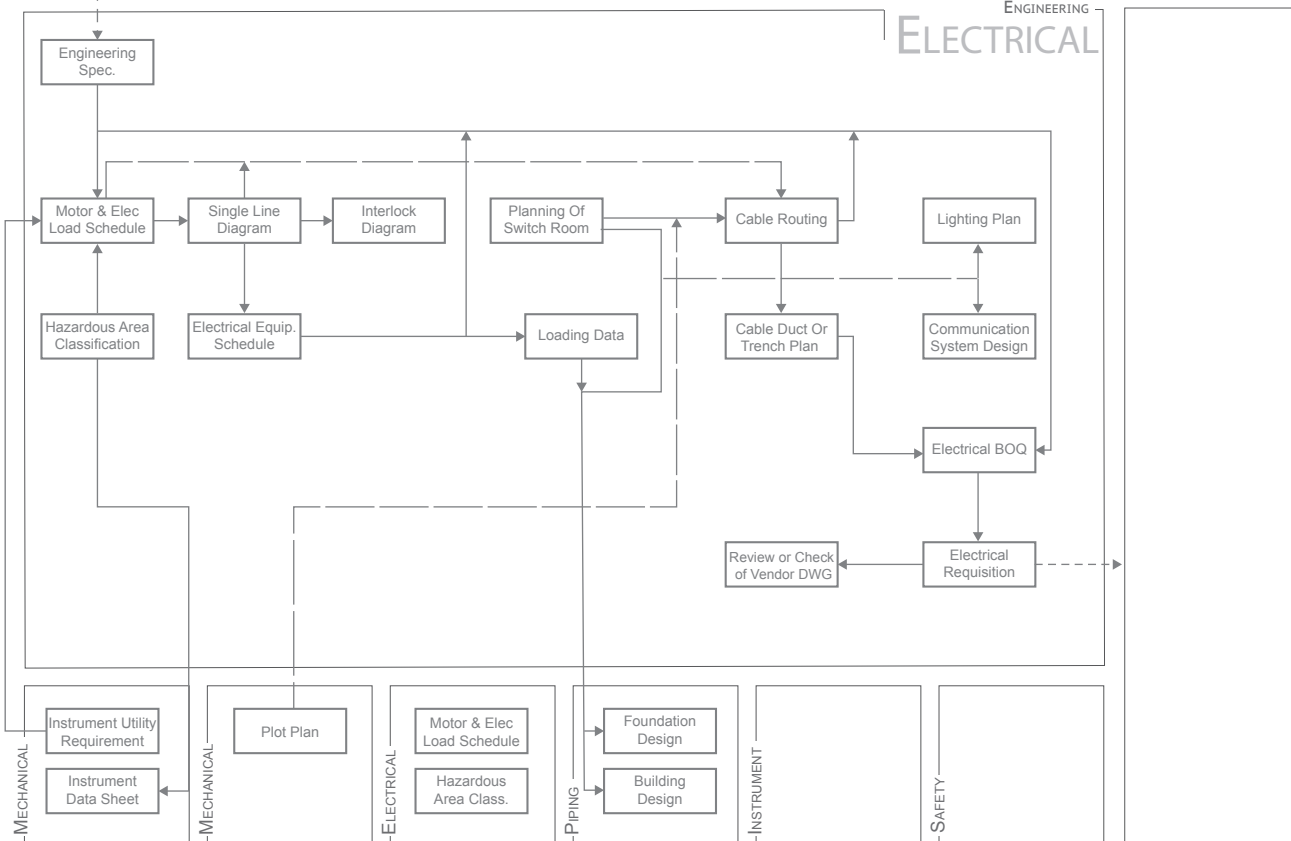
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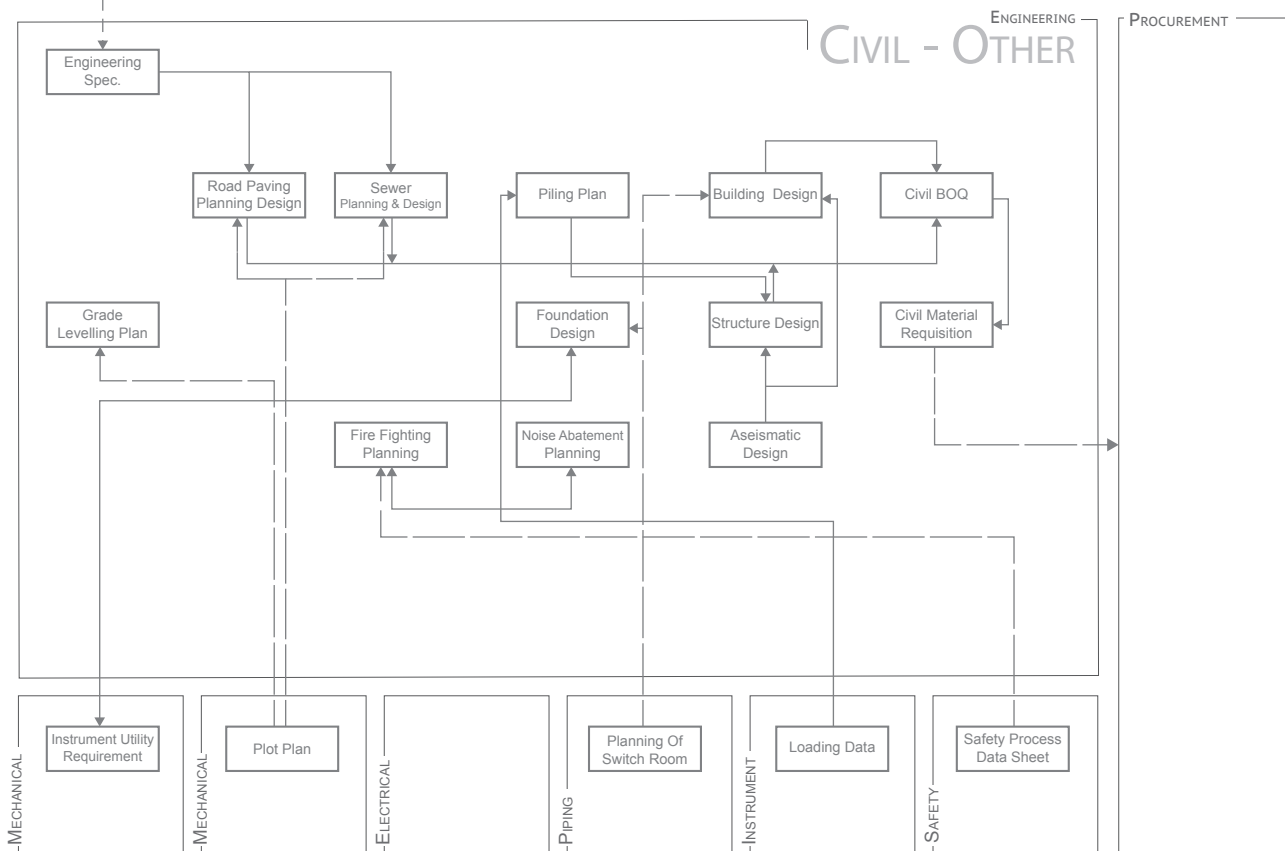
BASIC & FEED



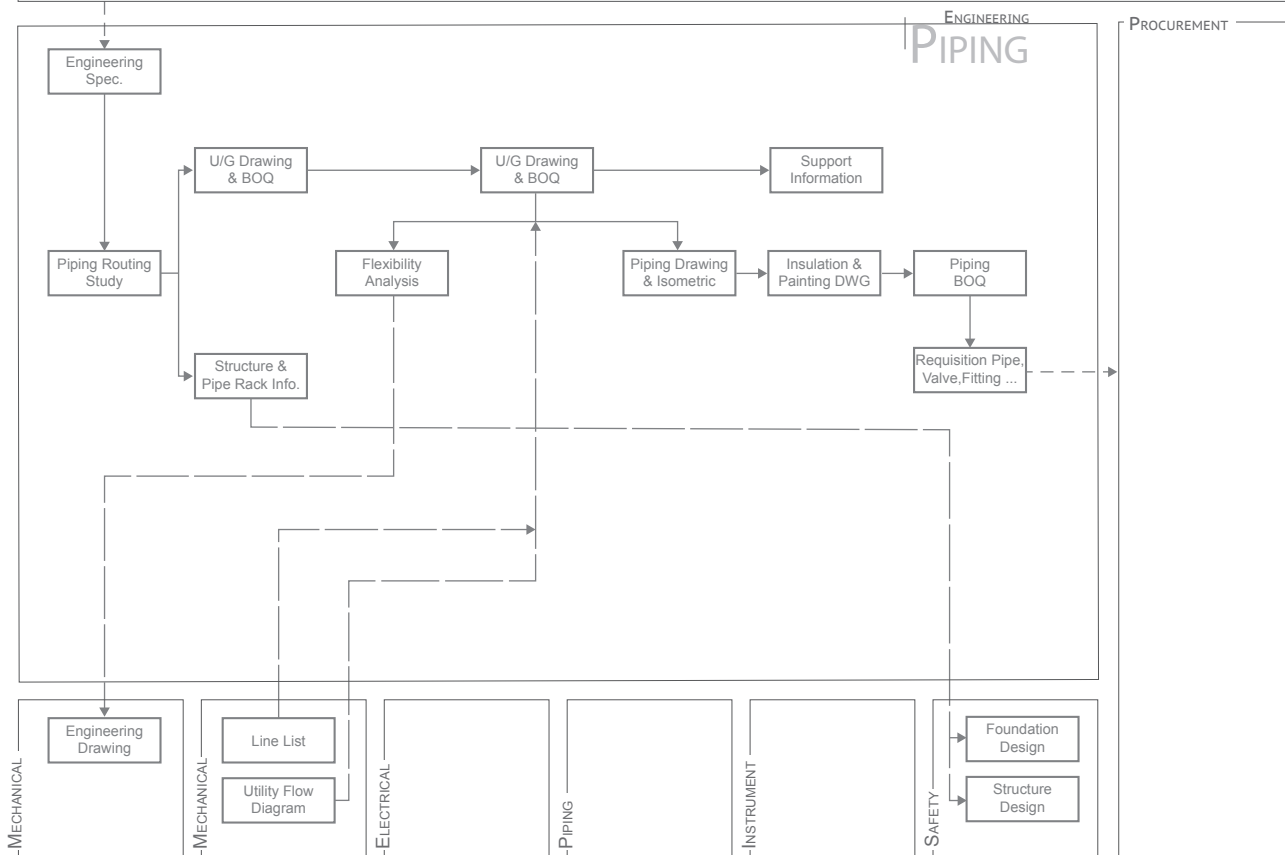
BASIC & FEED

ENGINEERING
ELECTRICAL

BASIC & FEED



BASIC & FEED

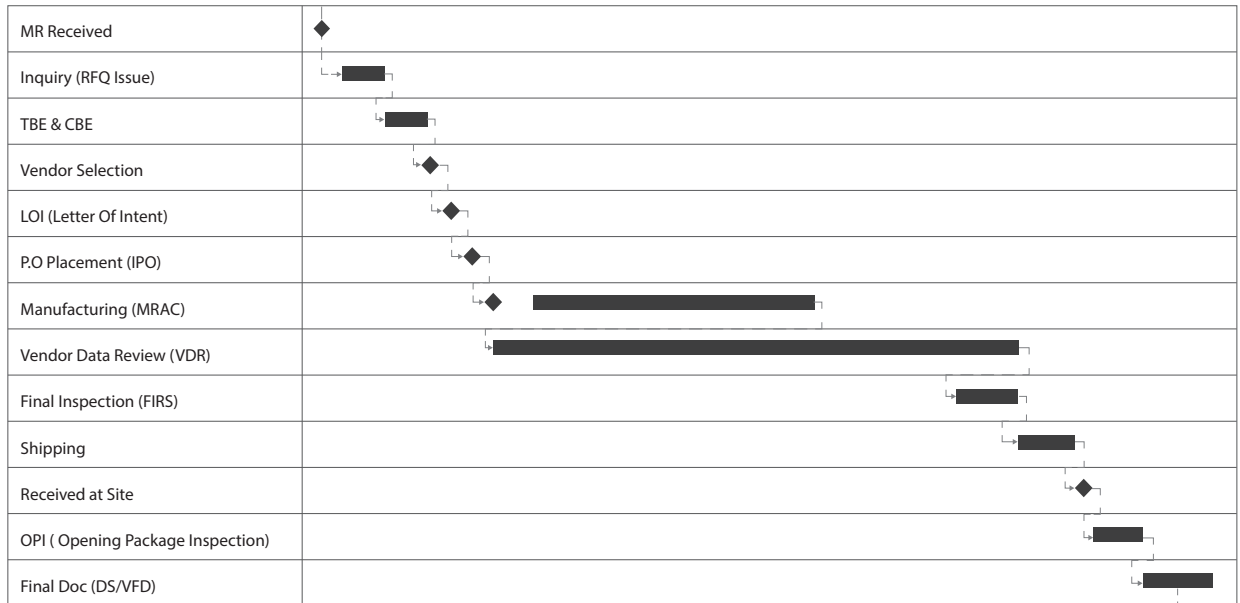


ENGINEERING

MR Preparation

PROCUREMENT

LOCAL PROCUREMENT



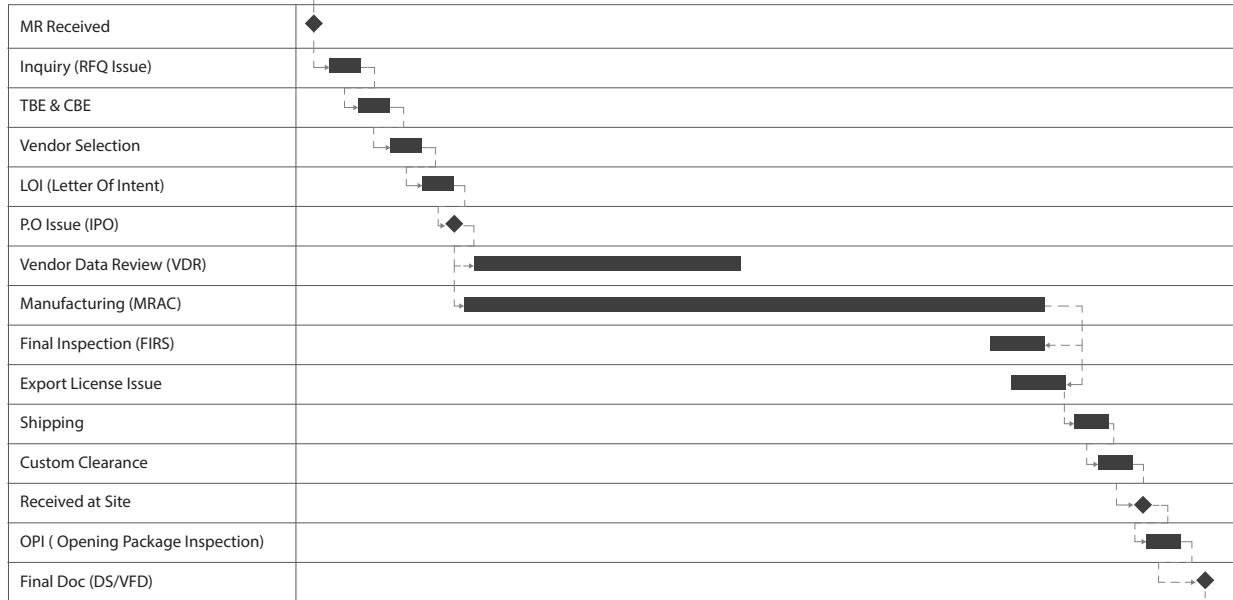
CONSTRUCTION

ENGINEERING

MR Preparation

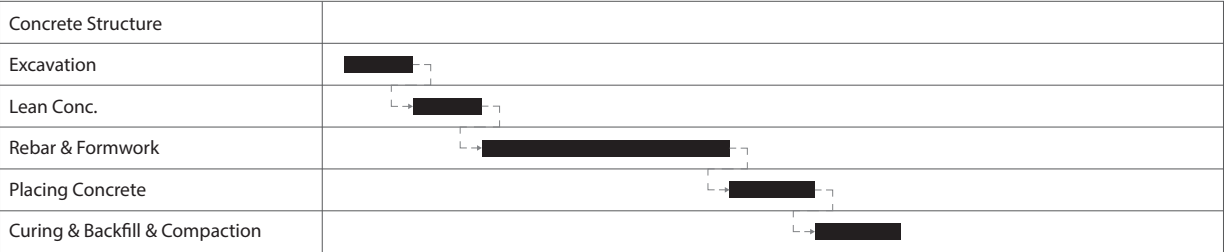
PROCUREMENT

FOREIGN PROCUREMENT

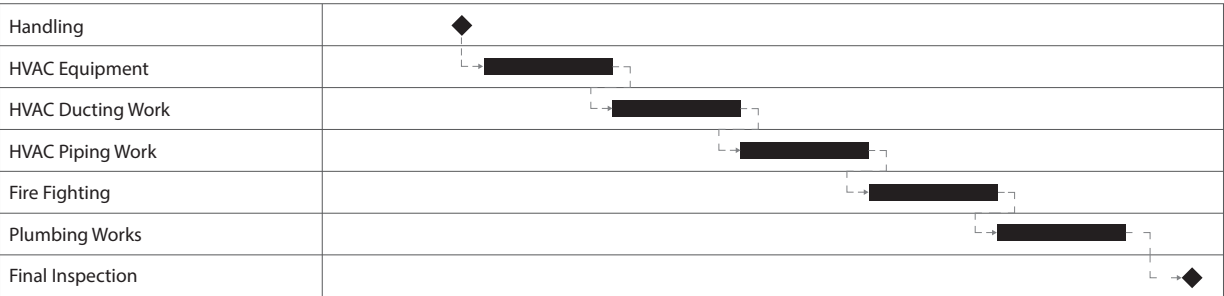


CONSTRUCTION

EQUIPMENT INSTALLATION



MECHANICAL WORK (EXCL. HVAC)



ENGINEERING

Foundation Design

PROCUREMENT

Civil Material Handling

CONSTRUCTION

STEEL WORK

EQUIPMENT STRUCTURE ERECTION

Material Delivery	▶ ◆
Chipping & Pading	↳ [Bar]
Erection	↳ [Bar]
Alignment	↳ [Bar]
Bolt Tightening & Test	↳ [Bar]
Grouting	↳ [Bar]
Punch Clear	↳ [Bar]

PIPE RACK ERECTION

Material Handling	◆
Chipping & Pading	↳ [Bar]
Erection	↳ [Bar]
Alignment	↳ [Bar]
Welding	↳ [Bar]
olt Tightening & Test	↳ [Bar]
Grouting	↳ [Bar]
Punch Clear	↳ [Bar]

ENGINEERING

Painting Drawing




PROCUREMENT

Painting Material Handling





CONSTRUCTION

TELECOMMUNICATION




INDOOR / OUTDOOR EQUIPMENT

Support Fabrication & Installation	
Installation	
Final Check / Inspection	 ◆




TELECOMMUNICATION CABLING / GLANDING / TERMINATION

Material Delivery	◆ 
Cable Laying	
Gland/Termination	
Final Check / Inspection	 ◆

LOCAL EQUIPMENT

Support Fabrication & Installation	
Erection	
Final Check / Inspection	

DELUGE VALVE

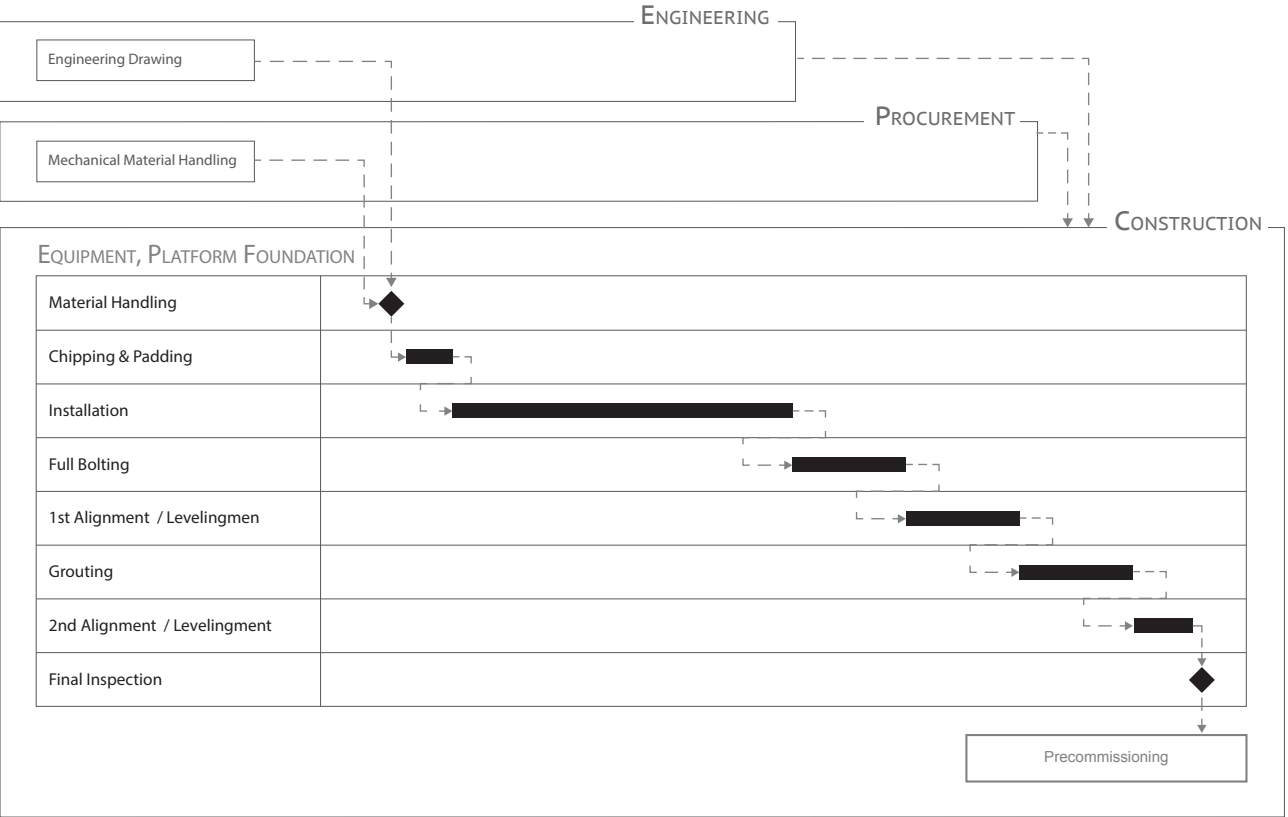
Material Delivery	
Installation	
Final Check / Inspection	

CONSTRUCTION DICIPLINES

Civil & Underground Works	
Steel Work	
Piping	
Equipment (Fix,Rotary and Packages)	
Buildings and Architectural	
HVAC	
Electrical	
Instrumentation	
Telecommunication	
Painting and Coating	
Insulation	
Safety and Fire fighting equipment	

توضیح:

در شماتیک فوق، توالی کلی دیسیپلین های واحد ساخت در کنار هم دیده می شوند. به طور کلی، واحدهای سیویل، سازه و ساختمان از ابتدا و واحدهای برق، ابزار دقیق، ایمنی و عایق کاری در انتهای ساخت و نصب فعال می شوند.



توضیح:

نصب تجهیزات، معمولاً با توالی عمومی فوق انجام می‌شوند. ممکن است زمان‌ها در هر پروژه دقیق نباشد، و به تناسب هر پروژه تنظیم شود.

ENGINEERING

Foundation Design

PROCUREMENT

Civil Material Handling

CONSTRUCTION

EQUIPMENT, PLATFORM FOUNDATION

Excavation	
Lean Conc.	
Rebar	
Formwork	
Anchor Bolt Set	
Concrete Pouring	
Curing	
Bitumen. Coat	
Backfill	
Compaction	
Final Check	

Mechanical (Chipping and Installation)

توضیح:

فعالیت‌های سیویل، معمولا با توالی عمومی فوق انجام می‌شوند. البته در هر پروژه ممکن است، توالی و زمان‌های آن به تناسب تنظیم شود.

ENGINEERING







Foundation Design

PROCUREMENT








Civil Material Handling

CONSTRUCTION

FIRE FIGHTING BUILDING

Concretes Structure	
Excavation	
Lean Conc.	
Rebar & Formwork	
Placing Concrete	
Curing & Backfill & Compaction	

MECHANICAL WORK (EXCL. HVAC)

Handling	
HVAC Equipment	
HVAC Ducting Work	
HVAC Piping Work	
Fire Fighting	
Plumbing Works	
Final Inspection	

ENGINEERING

Instrument Drawing

Instrument Material Handling

PROCUREMENT

CONSTRUCTION

CABLING & TERMINATION

Handling	◆	
Cable Pulling		
Gland		
Tubing		
Termination		
Function		
Final Check		◆

INSTRUMENTATION (DEVICES INSTALL)

Calibration		
Installation		
Final Inspection		◆

EQUIPMENT INSTALLATION

Support Fabrication		
Support Installation		
Panel Installation & Final Inspection		◆

ENGINEERING

Electrical Drawing

PROCUREMENT

Electrical Material Handling

CONSTRUCTION

CABLING & TERMINATION

Handling	
Tray & Conduit	
Cable Pulling	
Gland	
Termination	
Megger Test	
Final Check	

LIGHTING WORK

Handling	
Lighting Pole/Support INST	
Lighting Fixture INST	
Tray INS	
Cable Laying	
Cable Gland	
Cable Termination & Final Check	

ENGINEERING

Piping Drawing and Isometric

PROCUREMENT

Piping Material Handling

CONSTRUCTION

PIPING FIELD ERECTION - (A/G)

Handling From Sand Blast Shop	◆
Laying	→
Fit Up	→
Welding	→
NDT/PWHT	→
Final Inspection	◆

U/G PIPING

Handling	◆
Laying	→
Fit Up	→
Welding/Bonding	→
Hydro-Test	→
Coating/Wrapping	→
Final Inspection	◆

Precommissioning

ENGINEERING

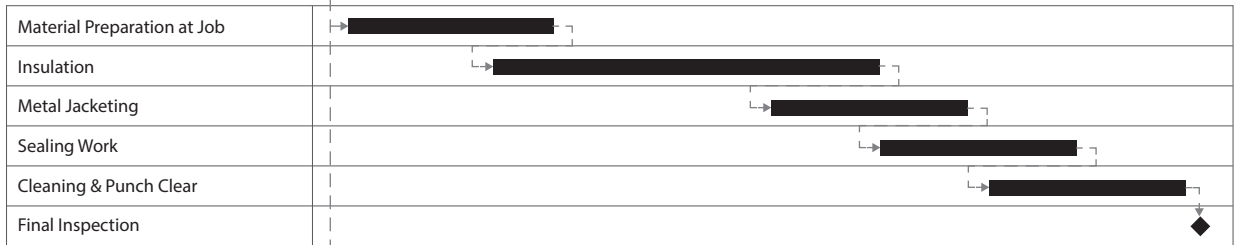
Insulation Drawing

PROCUREMENT

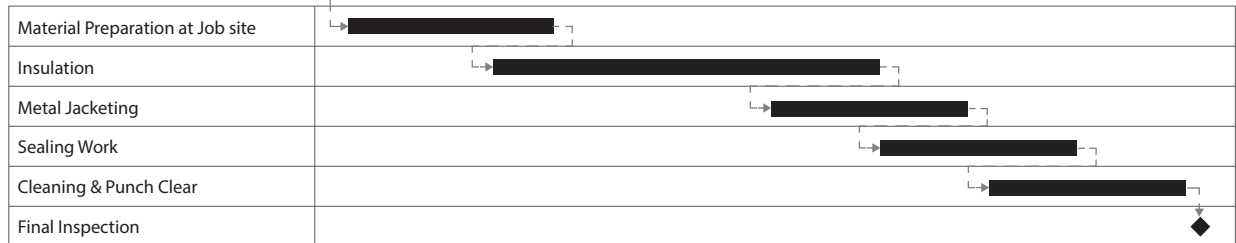
Insulation Material Handling

CONSTRUCTION

PIPING & EQUIPMENT COLD



PIPING & EQUIPMENT HOT



ENGINEERING






Painting Drawing

PROCUREMENT





Painting Material Handling

CONSTRUCTION

STRUCTURE

Blast & Primer	
Intermediate Coat.	
Finish Coating	
Punch Clear	
Final Inspection	

EQUIPMENT & PIPING

Blast & Primer	
Intermediate Coat.	
Finish Coating	
Tuch-Up, Punch Clear & Finish	
Final Inspection	