KUWAIT OIL COMPANY (K.S.C.)

A subsidiary of Kuwait Petroleum Corporation

إحدى شركات مؤسسة البترول الكويتية
A Subsidiary of Kuwait Petroleum Corporation

PRODUCTION & PROJECTS (GAS) GROUP

GAS PROJECTS TEAM-II

Mutriba remote boosting facility (MRBF)
At North Kuwait

Appendix 8B

List of Company Standard Drawings

0	06-Aug-2024	Issued for Tender	All Disc.	GMK	Mohd. Al Saleh
Rev.	**Date**	**Description**	**Prepared By**	**Reviewed By**	**Approved By**

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List of Company Standard Drawings

COMPANY STANDARD DRAWINGS

Listed below are the latest Company Standard Drawings applicable for this Project and its soft copies are provided in CD.

Sl. No.	DRAWING NO.	DESCRIPTION
CIVIL :		
1.	55-02-1	General Notes - Concrete Work
2.	55-02-2 (Sheet 1 of 2)	General Details - Concrete Work
3.	55-02-2 (Sheet 2 of 2)	General Details - Concrete Work
4.	55-02-3	General Notes - Steel Work
5.	55-02-4	Steel Structure Fire Proofing Details
6.	55-02-5	Project Site Sign Board
7.	55-02-10	Site Office "Type C" Plan, Elevation and Section
8.	55-02-12	Typical Detail of Block Wall Types
9.	55-02-13	External Trap Detail
10.	55-02-14	General Arrangement & Details of Septic Tank
11.	55-02-15	Soakaway Detail
12.	55-02-16	Venting and Drainage System Typical Details
13.	55-02-17	Low Security Fence Chain Link Fence (LSF-CLB) - 2.4m High Typical Details
14.	55-02-20	Low Security Fence (2.4m High) Typical Gate Details
15.	55-02-21	Typical Fixing Details of Warning Sign Board on Security Fence
16.	55-02-22	Heavy Duty Galvanized Steel Security Fence with Slats (2.5m High) General Arrangement and Details
17.	55-02-23	Heavy Duty Galvanized Steel Low Security Fence with Slats (2.5m High) General Arrangements & Details
18.	55-02-25	Chain Link Fence and Gates Details (1.8m High)

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Sl. No.	DRAWING NO.	DESCRIPTION
19.	55-02-32	Installation of Manual Gate Barrier
20.	55-02-34	High Security Welded Mesh Fence (2.4m High) Typical Details
21.	55-02-35	Typical Security Sliding Crash Rated Gate General Arrangement & Details
22.	55-02-36	Typical Detail of Culverts for Protection of KOC Pipes / Pipe Lines
23.	55-02-37	Burn Pit Details
24.	55-02-38	Concrete Sleeper Details for Flow Lines
25.	55-02-39	Typical Valve Pit Detail for Pipe Lines
26.	55-02-40	Pipe Crash Barrier Details
27.	55-02-41	Typical Drain Pits Details
28.	55-02-43	Typical Pipeline / Existing Service Crossing
29.	55-02-44	Inlet Details for HP Flare
30.	55-02-45	Anchor Blocks Conceptual Details
31.	55-02-47	Typical Detail for Cable Markers
32.	55-02-48	Typical Foundation Details of Jib Crane & Equipment
33.	55-02-49	Cathodic Protection Rectifier Foundation and Enclosure Details
34.	55-02-51	Precast Concrete Corrosion Test Box and Lid
35.	55-02-52	Catwalk Details
36.	55-02-56	Typical Details of Instrument Stand and Shed
37.	55-02-57	Standard Ladder Details
38.	55-02-58	Standard Handrail Details
39.	55-02-59	Circular and Rectangular Platforms-Typical Details
40.	55-02-60	Steel Ladder Details for Access to Building Parapets
41.	55-02-61	Steel Stair Details

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Sl. No.	DRAWING NO.	DESCRIPTION
42.	55-02-62	Steel Anchor Bolts
43.	55-02-63	Typical Sunshade for Mobile Fire Monitor
44.	55-02-65	Reinforced Concrete Intercepting Tank for Retaining Petroleum Section and Details
45.	55-02-66	Single Car Shelter
46.	55-02-67	Car Park Shelters Cantilever Type
47.	55-02-68	Typical Foundation Details for Flood Lighting Pole
48.	55-02-69	Car Park Shelters Portal Type
49.	55-02-72	Under Construction Road Signs
50.	55-02-74 (Sheet 1 of 4)	Road Markings-1
51.	55-02-74 (Sheet 2 of 4)	Road Markings-2
52.	55-02-74 (Sheet 3 of 4)	Road Markings-3
53.	55-02-74 (Sheet 4 of 4)	Road Markings-4
54.	55-02-75	Traffic Lane Arrows
55.	55-02-76 (Sheet 1 of 3)	Traffic Signs-1
56.	55-02-76 (Sheet 2 of 3)	Traffic Signs-2
57.	55-02-76 (Sheet 3 of 3)	Traffic Signs-3
58.	55-02-77 (Sheet 1 of 3)	Signs for Road Works-1
59.	55-02-77 (Sheet 2 of 3)	Signs for Road Works-2
60.	55-02-77 (Sheet 3 of 3)	Signs for Road Works-3

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Sl. No.	DRAWING NO.	DESCRIPTION
61.	55-02-78	Details for Fixing Traffic Signs
62.	55-02-79	Traffic Signs for Diversions
63.	55-02-80	Warning Signs Mounting Details
64.	55-02-81	Guide Sign
65.	55-02-82	Median Barrier Details
66.	55-02-83	Caution Signs for KOC Restricted Areas Elevation, Section and Details
67.	55-02-84	Caution Sign for KOC Field Areas Elevation, Section and Details
68.	55-02-85 (Sheet 1 of 4)	Guide Sign and Arabic Legend-1
69.	55-02-85 (Sheet 2 of 4)	Guide Sign and Arabic Legend-2
70.	55-02-85 (Sheet 3 of 4)	Guide Sign and Arabic Legend-3
71.	55-02-85 (Sheet 4 of 4)	Guide Sign and Arabic Legend-4
72.	55-02-86	Warning Signs Faces
73.	55-02-87	Standard Metal Beam Guard Rail & Precast Concrete Kerbstone Detail
74.	55-02-88 (Sheet 1 of 4)	Security Guard House (Blast Resistant & Non-Blast Resistant) Ground Floor, Roof & Ceiling Plan
75.	55-02-88 (Sheet 2 of 4)	Security Guard House (Blast Resistant & Non-Blast Resistant) Typical Layout
76.	55-02-88 (Sheet 3 of 4)	Security Guard House (Blast Resistant & Non-Blast Resistant) Typical Security Internal Equipment Layout
77.	55-02-88 (Sheet 4 of 4)	Security Guard House (Blast Resistant & Non-Blast Resistant) Typical Details of Pre-cast Concrete Barrier
78.	55-02-89	Security Guard House (Blast Resistant & Non-Blast Resistant) Building Elevations & Section
79.	55-02-90	Security Guard House (Blast Resistant & Non-Blast Resistant) Typical Detail of Door, Window & Finishing Schedule

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Sl. No.	DRAWING NO.	DESCRIPTION
80.	55-02-91	Security Controlled Pedestrian Access System
81.	55-02-94	Typical Details for Roads
82.	55-02-95	General Arrangement Details of Oily Water, Contaminated Water Manholes and Catch Basin
83.	55-02-96	General Arrangement Details of Sanitary and Storm Water Manholes
84.	55-02-97	Typical Details of Clean Outs
85.	55-02-98	Typical Details of Curb, Ledger, Nosing and Bearing Members
86.	55-02-99	General Site Layout for Office "Type C", Workshop and Store Area
87.	55-02-100	Typical Fence Elevation for Turnstile
88.	55-02-101	Typical Detail of Pipe Penetration through the Security Fence
89.	55-02-102	Emergency Pedestrian Gate & Concrete Stair Details
90.	55-02-111	Typical Details of Cable Duct Bank
91.	55-02-115	Medium Security Fence Chain Link fence (MSF-CLB) - 2.4m High Typical Details
92.	55-02-116	Security Precast Concrete Barrier (New Jersey / Texas Type & Alaskan Type)
93.	55-02-118	Detail of Grating, Chequered Plate & Stair Tread
ELECTRICAL :		
1.	55-07-01	Electrical Layout for Site Office (Type-A)
2.	55-07-02	Electrical Layout for Site Office (Type-B)
3.	55-07-04	10 Meter Lighting Tower with Bracket, Cage Ladder and Platform
4.	55-07-06	8 Meter Lighting Tower with Bracket, Cage Ladder and Platform
5.	55-07-07	Sealing of Cable Ducts and Pipe
6.	55-07-09	Switchboard Floor Mounted Detail
7.	55-07-10	Earth Test Bar Assembly
8.	55-07-11	Earth Pit

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Sl. No.	DRAWING NO.	DESCRIPTION
9.	55-07-12	Earthing - Fence & Gate
10.	55-07-13	Vermin Screen Earthing Detail
11.	55-07-14	Earthing at Tank
12.	55-07-15	Perimeter Fence Lighting Pole
13.	55-07-17	Cable Route Marker with Engraved Stainless Steel Plate
14.	55-07-18	Cable Marker Post and Sign Post Plate Details
15.	55-07-19	Power and Earthing of Frame Mounted Equipment
16.	55-07-20	Earthing of Cable Ladder Rack
17.	55-07-21	Earthing of Vessels and Exchangers
18.	55-07-23	Power and Earthing Details of Horizontal Motor, Control Station & Heater
19.	55-07-24	Power and Earthing Welding Outlet
20.	55-07-26	Power and Earthing Details of Vertical Motor, Control Station & Heater
21.	55-07-27	Light Fixture Handrail (Pole - 2.25 M) Mounted
22.	55-07-28	Light Fixture Handrail Mounted
23.	55-07-29	Light Fixture Steel Structure Mounted
24.	55-07-30	Light Fixture Pole Mounted
25.	55-07-31	Road Lighting Pole & Light Fixture
26.	55-07-32	Flood Light Fixture Steel Structure Mounted (Hazardous Area)
27.	55-07-33	Socket Outlet in Hazardous Area Handrail Mounted
28.	55-07-34	Systematic Diagram & Typical Connections for Low Voltage D.O.L. Motor Circuit Type 'A' Rating M<15 KW
29.	55-07-35	Schematic Diagram & Typical Connections for Low Voltage D.O.L. Motor Starter Circuit Type 'B' Rating ≥15kW
30.	55-07-37	Schematic Diagram & Typical Connections for Low Voltage Contactor Feeder Circuit Type 'D' Rating >63 AMPS

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Sl. No.	DRAWING NO.	DESCRIPTION
31.	55-07-38	Schematic Diagram & Typical Connections for Low Voltage Contactor Feeder Circuit Type 'E' Rating >63 A
32.	55-07-39	Schematic Diagram & Typical Connections for Low Voltage Feeder Circuit Type 'G' MCCB Rating <63 AMPS
33.	55-07-40	Earthing Busbar
34.	55-07-41	11 kV Switchboard (Single Incomer Arrangement)
35.	55-07-42	11 kV Switchboard Two (2) Incomers and One (1) Bus Coupler Arrangement
36.	55-07-43	3.3 kV Switchboard Two (2) Incomers and One (1) Bus Coupler Arrangement
37.	55-07-44	440 V Switchboard Two (2) Incomers and One (1) Bus Coupler Arrangement
38.	55-07-45	440 V Switchboard (Single Incomer Arrangement)
39.	55-07-47	Solar Power System Schematic Diagram
40.	55-07-48	Transformer Differential Protection Scheme
41.	55-07-49	Protections Scheme for Induction Motors 121 KW To 1200 KW and Above
42.	55-07-50	Transformer, CT Arrangement for 64R and 51G Relay Schematic
HVAC :		
1.	55-10-001	Recommended Construction for Rectangular Sheet Metal Ductwork
2.	55-10-002	Square Elbow (Duct Fitting)
3.	55-10-003	Round Elbow (Duct Fitting)
4.	55-10-005	Ductwork Thru External Wall
5.	55-10-006	Duct Penetration Thru Roof Slab
6.	55-10-008	Access Door in Ducts
7.	55-10-009	Duct Support
8.	55-10-010	Indoor & Outdoor Duct Insulation
9.	55-10-015	Typical Duct Connection of Linear Diffuser

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Sl. No.	DRAWING NO.	DESCRIPTION
10.	55-10-016	Horizontal Fire Damper for Ducts
11.	55-10-018	Vertical Fire Damper for Ducts
12.	55-10-020	Chiller Piping Connection Details
13.	55-10-021	Package Air Cooled Chiller Piping Detail
14.	55-10-022	End Suction Pump Installation Detail
15.	55-10-023	Double Suction Horizontal Split Case Pump Installation Detail
16.	55-10-024	In Line Circulating Pump Installation Detail
17.	55-10-025	Typical Arrangement of AHU Piping with 3-Way Control Valve
18.	55-10-026	Typical Arrangement of AHU Piping with 2-Way Control Valve
19.	55-10-030	Fan-Coil Unit Piping Detail
20.	55-10-031	Condensate Drain Trap Piping Detail
21.	55-10-032	Condenser Water Chemical Treatment
22.	55-10-033	Chemical Shot Feeder
23.	55-10-034	Expansion Tank and Piping Detail (Open Type)
24.	55-10-035	Expansion Tank and Piping Detail (Closed Type)
25.	55-10-036	Steam Humidifier
26.	55-10-037	Pipe Hanger Standards
27.	55-10-038	Pipe Sleeve Details
28.	55-10-039	Anchor for Vertical Pipe
29.	55-10-040	Anchor for Horizontal Pipe
30.	55-10-041	Pipe Stanchion Support
31.	55-10-042	Pipe Guide
32.	55-10-043	Pipe Support Details

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Sl. No.	DRAWING NO.	DESCRIPTION
33.	55-10-044	Water System High Point Vent
34.	55-10-045	Water Riser
35.	55-10-047	Roof Exhaust Fan
36.	55-10-052	AC Unit Foundation Detail
37.	55-10-053	Typical Equipment Mounting Detail
38.	55-10-054	Details Pump Isolation Base
39.	55-10-055	Flexible Connector for Pumps
INSTRUMENTATION :		
1.	55-08-01	Pressure Transmitter Hook-Up Gas Service Transmitter Above Line
2.	55-08-02	Pressure Transmitter Hook-Up Gas Service Transmitter Below Line
3.	55-08-03	Pressure Transmitter Hook-Up Liquid Service Transmitter Above Line
4.	55-08-04	Pressure Transmitter Hook-Up Liquid Service Transmitter Below Line
5.	55-08-05	Pressure Gauge Hook-Up (Direct Mounted)
6.	55-08-06	Pressure Gauge Hook-Up (Remote Mounted)
7.	55-08-07	Level Gauge Hook-Up
8.	55-08-08	Level Switch Hook-Up
9.	55-08-09	Level Transmitter Displacer Type Hook-Up
10.	55-08-10	Level Transmitter Differential Pressure Flush Mounted Type Hook-Up
11.	55-08-11	DP Type Flow Transmitter Hook-Up Gas Service Transmitter Above Line
12.	55-08-12	DP Type Flow Transmitter Hook-Up Gas Service Transmitter Below Line
13.	55-08-13	DP Type Flow Transmitter Hook-Up Liquid Service Transmitter Above Line
14.	55-08-14	DP Type Flow Transmitter Hook-Up Liquid Service Transmitter Below Line
15.	55-08-15	Dual DP Type Flow Transmitter Hook-Up Gas Service Transmitter Above Line

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Sl. No.	DRAWING NO.	DESCRIPTION
16.	55-08-16	Dual DP Type Flow Transmitter Hook-Up Gas Service Transmitter Below Line
17.	55-08-17	Dual DP Type Flow Transmitter Hook-Up Liquid Service Transmitter Above Line
18.	55-08-18	Dual DP Type Flow Transmitter Hook-Up Liquid Service Transmitter Below Line
19.	55-08-19	Flow Instruments Multiple Transmitter Hook-Up Gas Service Transmitter Above Line
20.	55-08-20	Instrument Air Supply Hook-Up On/Off Valve with Solenoid Valve (Single Acting)
21.	55-08-21	Instrument Air Supply Hook-Up ESD Valve
22.	55-08-22	Cable Duct Bank Single Tier
23.	55-08-23	Cable Trench - Paved Areas
24.	55-08-24	Cable Trench - Unpaved Areas
25.	55-08-25	Instrument Cable Route Marker with Engraved Stainless Steel Plate
26.	55-08-26	Flange Mounted DP Level Transmitter with Diaphragm Seal
27.	55-08-27	DP Level Transmitter with Remote Diaphragm Seals
28.	55-08-28	Orifice Carrier Assembly Corner Taps
29.	55-08-29	Orifice Carrier Assembly Flange Taps
30.	55-08-30	Cable Duct Bank - Two Tiers
31.	55-08-31	Wiring Installation - Junction Box Ex'e'/Ex'i' Digital Signal
32.	55-08-32	Crossing of Embankment Roads
33.	55-08-33	Wiring Installation - Junction Box Ex'e'/Ex'i' Analog Signal
34.	55-08-34	Typical Installation of Junction Box
35.	55-08-35	Flow Switch (D.P.) Hook-Up
36.	55-08-36	Instrument Air Supply Hook-Up Control Valve with E/P Positioner
37.	55-08-37	Barstock Thermowells for Temperature Instruments or Testing
38.	55-08-38	Deluge System Schematic with Fusible Plugs Network

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Sl. No.	DRAWING NO.	DESCRIPTION
39.	55-08-39	Instrument Air Supply Hook-Up Control Valve with E/P Positioner and SOV
PIPING :		
1.	55-04-001	Pipe Support and Fabrication General Notes
2.	55-04-002	Pipe Support Brackets (Resting and Hanging Support)
3.	55-04-003	Single Column Bracket Pipe Support (Side and Top Support)
4.	55-04-004	Double Column Bracket Pipe Support (Hanging Type)
5.	55-04-005	Cantilever Bracket From Adjacent Steel Work or Vessel (Upto 12"Ø)
6.	55-04-006	Cantilever Bracket with Support Member from Adjacent Steel or Vessel (Upto 12"Ø)
7.	55-04-007	Pipe Support Single Column Bracket (Hanging Type)
8.	55-04-008	Pipe Support Single Column Bracket (Resting Support)
9.	55-04-009	Pipe Support Single Column Bracket (Side and Resting Support)
10.	55-04-010	Frame Type Pipe Support/Guide from Adjacent Vessel (For Uninsulated Vertical Piping NB 6"Ø Thru NB 24"Ø Medium Loads)
11.	55-04-011	Frame Type Pipe Support/Guide from Adjacent Vessel (For Insulated Vertical Piping Up To NB 24"Ø Medium Loads)
12.	55-04-012	Horizontal Pipe Support from Adjacent Piping
13.	55-04-013	Vertical Pipe Support from Adjacent Piping
14.	55-04-014	Vertical Pipe Support from Adjacent Vessel for Bare and Insulated Pipe 1 1/2"Ø and Below
15.	55-04-015	Resting Frame Type Vertical Pipe from Adjacent Vessel Support from Adjacent Vessel (Type-A)
16.	55-04-016	Resting Frame Type Pipe Support from Adjacent Vessel for Bare & Insulated Pipe (Type-B)
17.	55-04-017	Single Bracket with U-Bolt Pipe Support from Adjacent Vessel for Uninsulated Piping Up To NB 6"Ø
18.	55-04-018	Guided Pipe Support from Adjacent Vessel for Vertical Insulated Piping Up To NB 6"Ø

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Sl. No.	DRAWING NO.	DESCRIPTION
19.	55-04-019	Vertical Column Load Support for Bare and Insulated Pipe Size 8"Ø Thru 12"Ø with Cantilever Bracket (Type-B)
20.	55-04-020	Bracket on Vertical Column Load Support for Bare and Insulated Pipe Size 8"Ø Thru 12"Ø (Type-B)
21.	55-04-021	Bracket on Vertical Column Load Support for Bare and Insulated Pipe Size 10"Ø Thru 18"Ø (Type-B)
22.	55-04-022	Bracket on Vertical Column Load Support for Bare and Insulated Pipe Size 14"Ø Thru 24"Ø (Type-B)
23.	55-04-023	Pipe U Clamp for Bare Pipe Size 3/4"Ø Thru 24"Ø
24.	55-04-024	Pipe Clamp for Bare Pipe Size 1/2"Ø Thru 24"Ø
25.	55-04-025	Pipe Clamp for Insulated Pipe Size 1/2"Ø Thru 24"Ø
26.	55-04-026	Pipe Hanger Support for Bare Pipe Size 1/2"Ø Thru 24"Ø (With Eye Rod)
27.	55-04-027	Pipe Hanger Support for Bare Pipe Size 1/2"Ø Thru 24"Ø (With Turn Buckle)
28.	55-04-028	Pipe Hanger Support for Bare Pipe (Size 1/2"Ø Thru 24"Ø with Turnbuckle and Clevis / Beam Bracket)
29.	55-04-029	Pipe Hanger Support for Insulated CS Pipe Size 1/2"Ø Thru 24"Ø (With Eye Rod)
30.	55-04-030	Pipe Hanger Support for Insulated Pipe Size 1/2"Ø Thru 24"Ø (With Turn Buckle)
31.	55-04-031	Pipe Hanger Support for Hot Insulated CS Pipe Size 1/2"Ø Thru 24"Ø (With Turn Buckle and Clevis / Beam Bracket)
32.	55-04-032	Pipe Hanger Support for Bare and Insulated Size 2"Ø Thru 24"Ø
33.	55-04-033	Pipe Hanger Support from 6"Ø Thru 24"Ø
34.	55-04-034	Supports for Valves 12"Ø To 24"Ø
35.	55-04-035	Typical Pipe Support for Tank Vapour Line at Tank Roof and shell
36.	55-04-036	Pipe Support Stanchion
37.	55-04-037	Support Adjacent Steel & Pipe Clamps from 1/2"Ø To 2"Ø
38.	55-04-038	Support from Adjacent Steel for Horizontal Pipes 1/2"Ø To 1 1/2"Ø

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Sl. No.	DRAWING NO.	DESCRIPTION
39.	55-04-039	Support from Adjacent Steel for Vertical Pipes 1/2"Ø To 1 1/2"Ø
40.	55-04-040	Support from Grade or Steel Structure (For Pipe Boot)
41.	55-04-041	Support Thru Block Wall or Concrete Wall (Pipe Size 1/2"Ø To 4"Ø)
42.	55-04-042	Pipe Support for 4"Ø To 6"Ø Bare Pipe
43.	55-04-043	Guide Support for Bare Pipe Size NB 3/4"Ø Thru NB 48"Ø
44.	55-04-044	Guide for Insulated Pipe with Shoe 1 1/2"Ø To 48"Ø (Free To Lift Type)
45.	55-04-045	Guide for Insulated Pipe with Shoe 1 1/2"Ø To 48"Ø (Hold Down Type)
46.	55-04-046	Pipe Support Cross Guide for Bare Pipe NB 3/4"Ø Thru 12"Ø
47.	55-04-047	Pipe Support Cross Guide for Bare Pipe NB 14"Ø Thru 48"Ø
48.	55-04-048	Pipe Shoe for Slope Line Pipe Size NB 1" Thru NB 8"
49.	55-04-049	Pipe Shoe for Hot Insulated CS Pipe (Up To 12"Ø)
50.	55-04-050	Pipe Shoe for Hot Insulated CS Pipe (From 14"Ø Upto 48"Ø)
51.	55-04-051	Pipe Shoe for Slope Line Pipe Size NB 10" Thru NB 48"
52.	55-04-052	Wear Plate for CS & SS Pipe (Size 16"Ø To 48"Ø)
53.	55-04-053	Reinforced Base Pipe Support
54.	55-04-054	Dummy Pipe Support for Bare Pipe NB 2" Thru NB 48"
55.	55-04-055	Pipe Support From Grade or Steel From 14"Ø Up To 24"Ø (Type-D)
56.	55-04-056	Low Pipe Support Fixed for Bare Pipe Size 2" To 30"
57.	55-04-057	Low Pipe Support Sliding for Bare Pipe Size 3/4" Thru 36"
58.	55-04-058	Low Pipe Support Sliding for Bare & Insulated Pipe Size 2" Thru 30"
59.	55-04-059	Pipe Support Inside Box Culvert for 6"Ø To 14"Ø Pipes
60.	55-04-060	Pipe Supports Inside Box Culvert for 16"Ø To 30"Ø Pipes
61.	55-04-061	Pipe Supports Inside Box Culvert for 32” dia to 60” dia Pipes

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Sl. No.	DRAWING NO.	DESCRIPTION
62.	55-04-062	Pipe Hanger
63.	55-04-063	U-Bolt for Bare Pipe Size ½" Thru 36" (CS/SS)
64.	55-04-068	Restriction Orifice Plate (RO)
65.	55-04-069 (Sheet 1 of 2)	Steel Blanks for Flanges ½" Through 24" & Class 150 Through Class 2500
66.	55-04-069 (Sheet 2 of 2)	Steel Blanks for Flanges ½" Through 24" & Class 150 Through Class 2500
67.	55-04-070	Manway Davit Typical Details
68.	55-04-071	Details of Miscellaneous Internals for Pressure Vessels
69.	55-04-072	Typical Barred TEE Details
70.	55-04-073	JIB Crane for Pig Launcher / Receiver (Typical Arrangement Details)
71.	55-04-074	Anchor Flange Contour Details
72.	55-04-075	Typical Detail of Fire Hydrant
73.	55-04-076	Pig Signaller Mounting Details
74.	55-04-077	Pipe Sleeves for Metallic & Non-Metallic (RTRP / GRE / HDPE / PVC etc.) Carrier Pipes
PROCESS :		
1.	55-05-001 (Sheet 1 of 3)	Piping & Instrumentation Diagram Standard Symbols & Nomenclature
2.	55-05-001 (Sheet 2 of 3)	Piping & Instrumentation Diagram Standard Symbols & Nomenclature
3.	55-05-001 (Sheet 3 of 3)	Piping & Instrumentation Diagram Standard Symbols & Nomenclature