

NOTES

FOR GENERAL NOTES REFER TO SHEET NUMBER 01.

LEGEND

IS:	Intrinsically Safe
NIS:	Non Intrinsically Safe
I/BK:	Function Box
DL:	Diameter
DLXT:	Electrical
REF:	Reference
SKL:	Steel Wire Armor
INST:	Instruments
MIN:	Minimum

REFERENCE DRAWING		DWG. No.
Specification For Instrumentation		IK-CRNL-PR00-000-IR-SR-0001
Specification For Control System		IK-CRNL-PR00-000-IR-SR-0002
Specification For Inter-plant and Control of		IK-CRNL-PR00-000-IR-SR-0003
Specification For Barling & Lighting System		IK-CRNL-PR00-000-IL-SR-0004
Specification For Barling & Lighting System		IK-CRNL-PR00-000-IL-SR-0005
Engineering Standard For Electrical System Design		IPS-E-EL-100
Engineering Standard For Transmission Systems		IPS-E-IR-100
Engineering and Installation Standard For Control		IPS-G-N-220
Electrical System Design Criteria		IK-CRNL-PR00-000-EL-IC-0001
Specification For Barling & Lighting System		IK-CRNL-PR00-000-EL-SR-0006
Area Barling Layout in Shahrak Gas Injection		IK-PI-PR00-300-EL-PI-0001
KEY PLAN		

DO4	FEB 2023	IP1	PAUSUDRSHI	MAMRSHAD	MAMRSHAD	** **
DO3	DEC 2022	IP1	PAUSUDRSHI	MAMRSHAD	MAMRSHAD	** **
DO2	JUL 2022	IP1	PAUSUDRSHI	MAMRSHAD	MAMRSHAD	** **
DO1	APR 2021	IP1	PAUSUDRSHI	MAMRSHAD	MAMRSHAD	** **
DO0	DEC 2021	IP1	PAUSUDRSHI	MAMRSHAD	MAMRSHAD	** **
REV.	DATE		PREP	CHK	APP.	AUT.

PROJECT NAME: BINAQ OUTFIELD DEVELOPMENT/SURFACE FACILITIES
GAS & GAS-CONDENSATE PIPELINES

PROJECT NO.: 971020

EPC CONTRACTOR:

EPC CONTRACTOR (GC):



BINAQ
ENERGY - DESIGN & INSPECTION
COMPANIES


PETROBRAS
DEVELOPMENT
COMPANY

DRAWING TITLE: INSTRUMENT EARTHING TYPICAL DIAGRAM					
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	
NS	A3	IK-PI-PR0-PR00-300-IR-DO-0001	01 OF 04	DO4	

(VENDOR TITLE BLOCK)**

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BINAQ OUTFIELD DEVELOPMENT
SURFACE FACILITIES
GAS & GAS-CONDENSATE PIPELINES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED			
APPROVED FOR CONSTRUCTION	BY:	DATE:	
BUDGET REF.	LOCATION	SIZE	CLASS
0-53-073-0164	F	2	J
		705692	4
			DO4

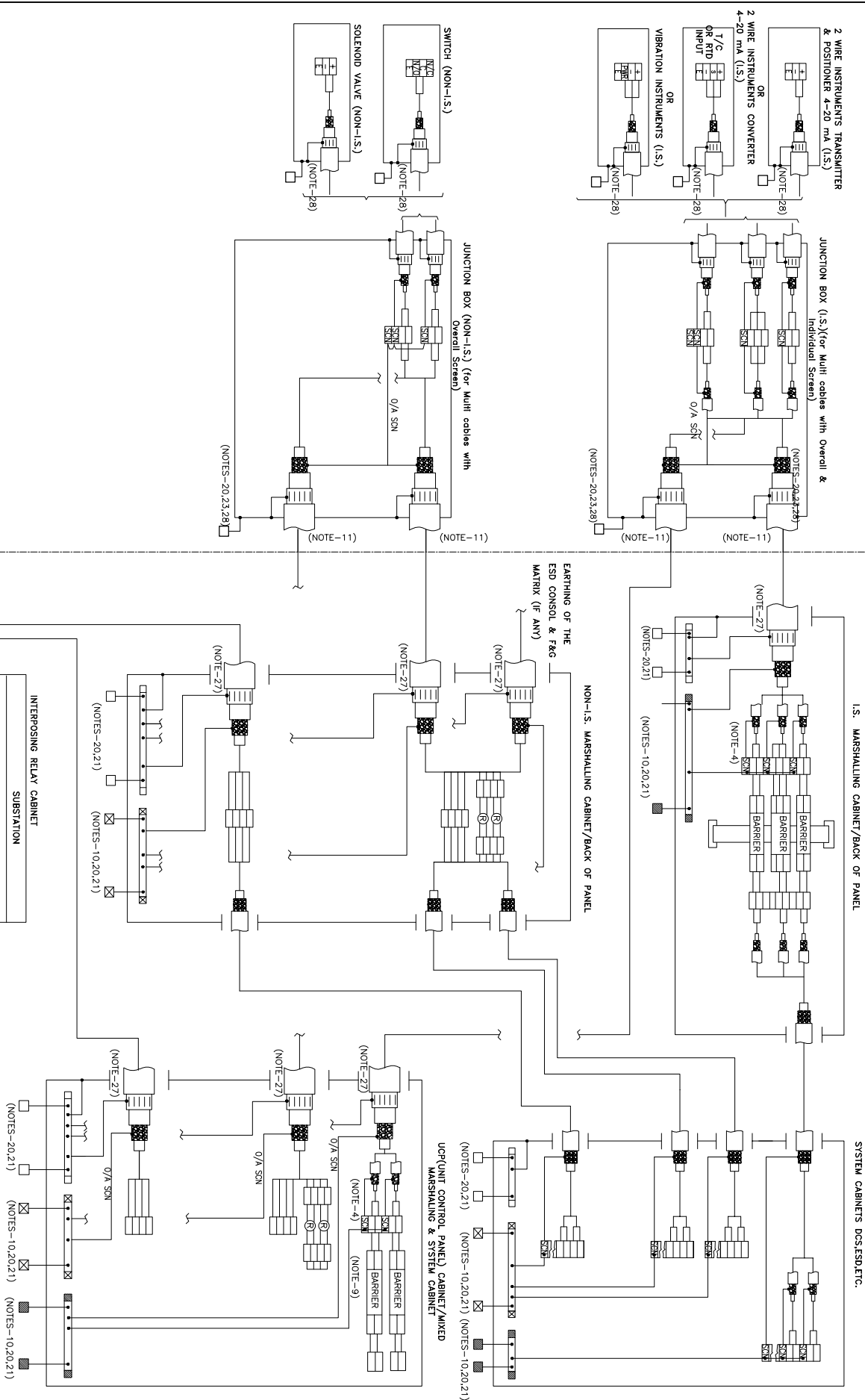
<div>NOTES</div> <div>FOR GENERAL NOTES REFER TO SHEET NUMBER 03.</div>									
<div>LEGEND</div> <div><div><div>1.S. Intrinsically Safe</div><div>K.I.S. Non Intrinsically Safe</div><div>I./BOE Junction Box</div><div>D.I.A. Diameter</div><div>ELECT. Electrical</div><div>REF. Reference</div><div>S.M.L. Steel Wire Armor</div><div>INSTR. Instruments</div><div>M.N. Minimum</div></div><div><div>REFERENCE DRAWING</div><div>DRG. NO.</div><div>Specification for Instrumentation</div><div>Specification for Instrument and Control System</div><div>Specification for Instrument and Control of Package Unit System (PI)</div><div>Specification for Lighting & Lighting System</div><div>Engineering Standard for Transmission Systems (Industrial and Non-Industrial)</div><div>Engineering Standard for Control Cables</div><div>Electrical System Design Criteria</div><div>Specification for Lighting System</div><div>Area Earthing Layout in Shalehan Gas Injection</div></div><div><div>001-001</div><div>002-002</div><div>003-003</div><div>004-004</div><div>005-005</div><div>006-006</div><div>007-007</div><div>008-008</div><div>009-009</div><div>010-010</div><div>011-011</div><div>012-012</div><div>013-013</div><div>014-014</div><div>015-015</div><div>016-016</div><div>017-017</div><div>018-018</div><div>019-019</div><div>020-020</div><div>021-021</div><div>022-022</div><div>023-023</div><div>024-024</div><div>025-025</div><div>026-026</div><div>027-027</div><div>028-028</div><div>029-029</div><div>030-030</div><div>031-031</div><div>032-032</div><div>033-033</div><div>034-034</div><div>035-035</div><div>036-036</div><div>037-037</div><div>038-038</div><div>039-039</div><div>040-040</div><div>041-041</div><div>042-042</div><div>043-043</div><div>044-044</div><div>045-045</div><div>046-046</div><div>047-047</div><div>048-048</div><div>049-049</div><div>050-050</div><div>051-051</div><div>052-052</div><div>053-053</div><div>054-054</div><div>055-055</div><div>056-056</div><div>057-057</div><div>058-058</div><div>059-059</div><div>060-060</div><div>061-061</div><div>062-062</div><div>063-063</div><div>064-064</div><div>065-065</div><div>066-066</div><div>067-067</div><div>068-068</div><div>069-069</div><div>070-070</div><div>071-071</div><div>072-072</div><div>073-073</div><div>074-074</div><div>075-075</div><div>076-076</div><div>077-077</div><div>078-078</div><div>079-079</div><div>080-080</div><div>081-081</div><div>082-082</div><div>083-083</div><div>084-084</div><div>085-085</div><div>086-086</div><div>087-087</div><div>088-088</div><div>089-089</div><div>090-090</div><div>091-091</div><div>092-092</div><div>093-093</div><div>094-094</div><div>095-095</div><div>096-096</div><div>097-097</div><div>098-098</div><div>099-099</div><div>100-100</div><div>101-101</div><div>102-102</div><div>103-103</div><div>104-104</div><div>105-105</div><div>106-106</div><div>107-107</div><div>108-108</div><div>109-109</div><div>110-110</div><div>111-111</div><div>112-112</div><div>113-113</div><div>114-114</div><div>115-115</div><div>116-116</div><div>117-117</div><div>118-118</div><div>119-119</div><div>120-120</div><div>121-121</div><div>122-122</div><div>123-123</div><div>124-124</div><div>125-125</div><div>126-126</div><div>127-127</div><div>128-128</div><div>129-129</div><div>130-130</div><div>131-131</div><div>132-132</div><div>133-133</div><div>134-134</div><div>135-135</div><div>136-136</div><div>137-137</div><div>138-138</div><div>139-139</div><div>140-140</div><div>141-141</div><div>142-142</div><div>143-143</div><div>144-144</div><div>145-145</div><div>146-146</div><div>147-147</div><div>148-148</div><div>149-149</div><div>150-150</div><div>151-151</div><div>152-152</div><div>153-153</div><div>154-154</div><div>155-155</div><div>156-156</div><div>157-157</div><div>158-158</div><div>159-159</div><div>160-160</div><div>161-161</div><div>162-162</div><div>163-163</div><div>164-164</div><div>165-165</div><div>166-166</div><div>167-167</div><div>168-168</div><div>169-169</div><div>170-170</div><div>171-171</div><div>172-172</div><div>173-173</div><div>174-174</div><div>175-175</div><div>176-176</div><div>177-177</div><div>178-178</div><div>179-179</div><div>180-180</div><div>181-181</div><div>182-182</div><div>183-183</div><div>184-184</div><div>185-185</div><div>186-186</div><div>187-187</div><div>188-188</div><div>189-189</div><div>190-190</div><div>191-191</div><div>192-192</div><div>193-193</div><div>194-194</div><div>195-195</div><div>196-196</div><div>197-197</div><div>198-198</div><div>199-199</div><div>200-200</div><div>201-201</div><div>202-202</div><div>203-203</div><div>204-204</div><div>205-205</div><div>206-206</div><div>207-207</div><div>208-208</div><div>209-209</div><div>210-210</div><div>211-211</div><div>212-212</div><div>213-213</div><div>214-214</div><div>215-215</div><div>216-216</div><div>217-217</div><div>218-218</div><div>219-219</div><div>220-220</div><div>221-221</div><div>222-222</div><div>223-223</div><div>224-224</div><div>225-225</div><div>226-226</div><div>227-227</div><div>228-228</div><div>229-229</div><div>230-230</div><div>231-231</div><div>232-232</div><div>233-233</div><div>234-234</div><div>235-235</div><div>236-236</div><div>237-237</div><div>238-238</div><div>239-239</div><div>240-240</div><div>241-241</div><div>242-242</div><div>243-243</div><div>244-244</div><div>245-245</div><div>246-246</div><div>247-247</div><div>248-248</div><div>249-249</div><div>250-250</div><div>251-251</div><div>252-252</div><div>253-253</div><div>254-254</div><div>255-255</div><div>256-256</div><div>257-257</div><div>258-258</div><div>259-259</div><div>260-260</div><div>261-261</div><div>262-262</div><div>263-263</div><div>264-264</div><div>265-265</div><div>266-266</div><div>267-267</div><div>268-268</div><div>269-269</div><div>270-270</div><div>271-271</div><div>272-272</div><div>273-273</div><div>274-274</div><div>275-275</div><div>276-276</div><div>2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NEW | EXISTING

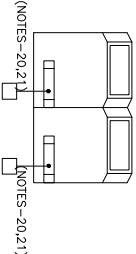
CONTROL ROOM (OUT OF SCOPE) (NOTE 34)

NOTES

FOR GENERAL NOTES REFER TO SHEET NUMBER 01.



EARTHING OF THE OPERATOR CONTROL STATIONS WITH IN THE CONTROL BUILDING WILL BE AS THE SUPPLIERS REQUIREMENTS.



LEGEND

I.S.	Intrinsically Safe
N.I.S.	Non Intrinsically Safe
I/BK	Junction Box
DIA.	Diameter
DIKT	Electrical
REF	Reference
SKL	Steel Wire Armor
INSTS	Instruments
MIN	Minimum

REFERENCE DRAWING

Specification	DRG. No.
Specification for Instrumentation	IK-CRML-PR00-000-IR-SF-0001
Specification for Control System	IK-CRML-PR00-000-IR-SF-0002
Specification for Inter-plant and Control of	IK-CRML-PR00-000-IR-SF-0004
Specification for Barthing & Lighting System	IK-CRML-PR00-000-IR-SF-0005
Manufacturing Standard for Electrical System Design	IPS-B-EL-100
Manufacturing Standard for Instrumentation System Design	IPS-B-IR-100
Engineering and Installation Standard for Control	IPS-G-IN-220
Electrical System Design Criteria	IK-CRML-PR00-000-IR-IC-0001
Specification for Barthing & Lighting System	IK-CRML-PR00-000-IR-SF-0006
Area Barthing Layout in Submarine Gas Injection	IK-PR-PR00-000-IR-PI-0001

KEY PLAN

REV.	DATE	DESCRIPTION	BY	DATE	REV.	DATE	DESCRIPTION
001	2021	001	001	001	001	001	001

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TYPICAL CABLE CONSTRUCTION	TYPICAL CABLE CONNECTIONS	SYMBOLOLOGY	ABBREVIATIONS
			ESD EMERGENCY SHUTDOWN DCS DISTRIBUTED CONTROL SYSTEM I.S. INTRINSIC SAFETY SCN SCREEN O/A OVERALL CS CONTROL SYSTEM E EARTH N/C NORMALLY OPEN POWER POWER

DRAWING TITLE:				INSTRUMENT EARTHING TYPICAL DIAGRAM			
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	DATE	REV.	DATE
NS	A3	IK-PR-PR00-300-IR-DG-0001	04 OF 04	004	0-53-073-0164	F	2

BINAQ OILFIELD DEVELOPMENT SURFACE FACILITIES GAS & GAS-CONDENSATE PIPELINES	
DATE	SCALE
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED	
APPROVED FOR CONSTRUCTION	BY: DATE:
BUDGET REF.	LOCATION SIZE CLASS SERIAL NO. SHEET REVISION