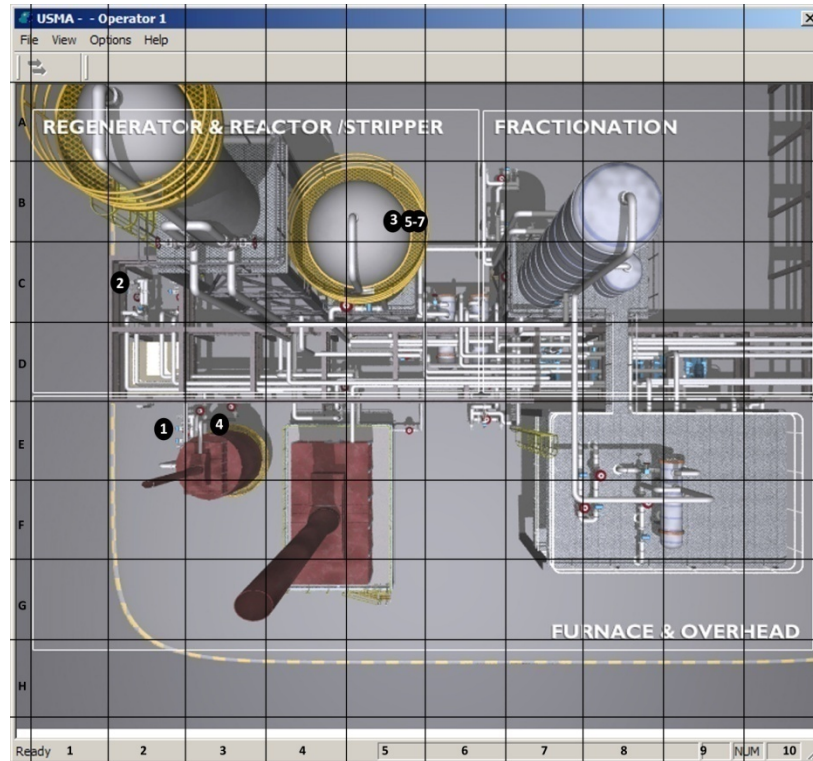
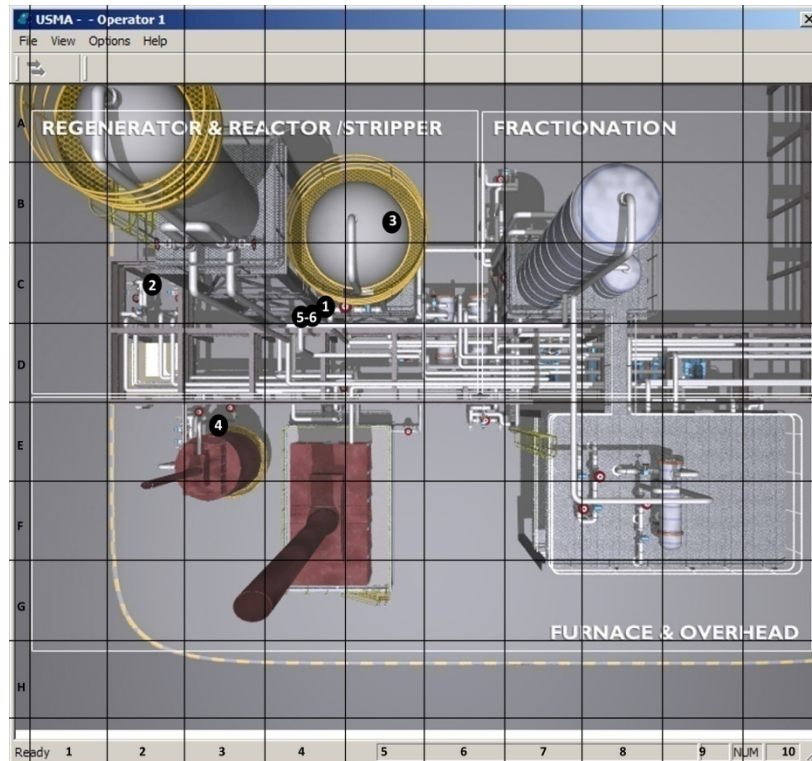


TAGNAMES ARRANGED BY GROUP – GROUP 1



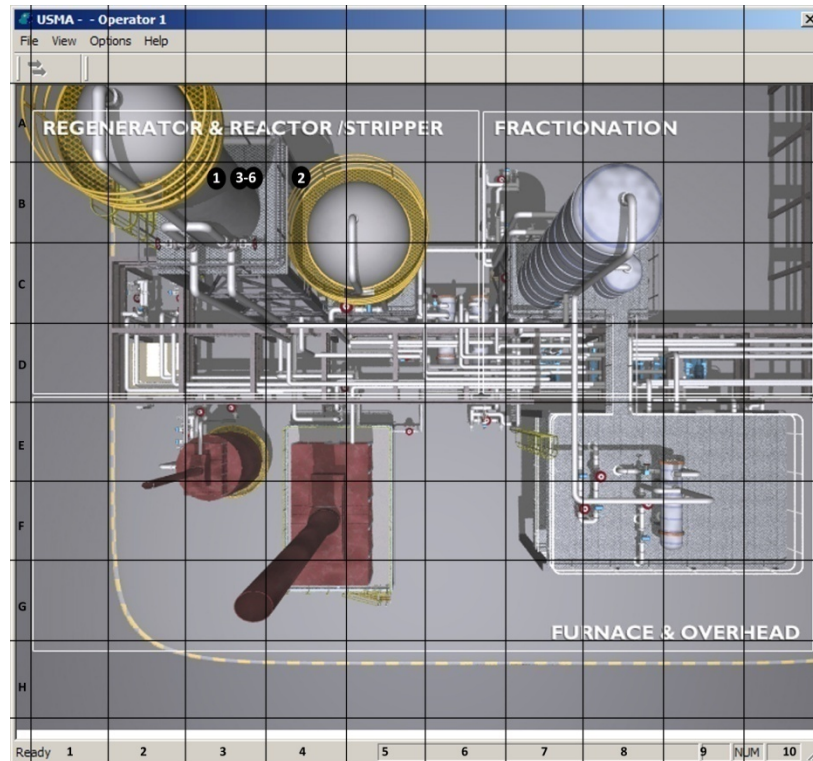
	TAG NAME	GRP.	LOC.	DESCRIPTION
1	FIC-131	1,6	E2	COMB. AIR FLOW TO REGEN.
2	FIC-115	1	C2	TORCH OIL FLOW
3	PIC-117	1	B5	REGENERATOR PRESSURE
4	TICV-134	1,2,6	E3	COMB. AIR TO REGEN. TEMP.
5	LI-111	1	B5	REGEN. CATALYST LEVEL
6	TI-112	1	B5	REGEN. BED TEMPERATURE
7	TI-113	1	B5	FLUE GAS TEMPERATURE
8	FI-120	1	C4(2)	FLUE GAS FLOW

TAGNAMES ARRANGED BY GROUP – GROUP 2



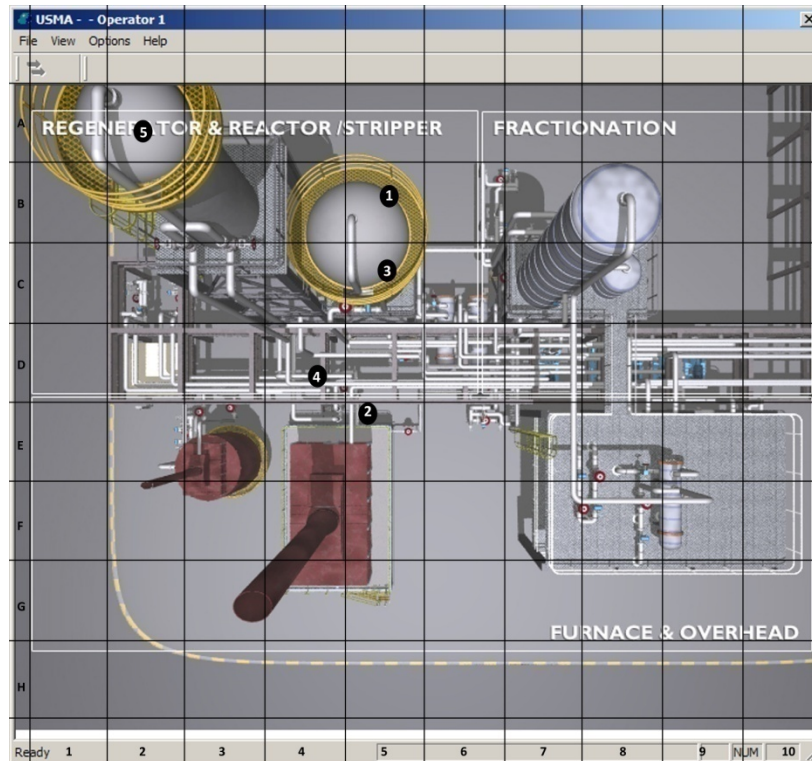
	TAG NAME	GRP.	LOC.	DESCRIPTION
1	HIC-118	2	C4(3)	CATALYST MAKEUP VALVE
2	FIC-145	2	C2	SPRAY WATER FLOW
3	XI-119	2	B5	REGEN. BED DENSITY
4	TICV-134	1,2,6	E3	COMB. AIR TO REGEN. TEMP.
5	AI-140	2	C4(3)	FLUE GAS OXYGEN CONT.
6	AI-141	2	C4(3)	FLUE GAS CO CONT.

TAGNAMES ARRANGED BY GROUP – GROUP 3



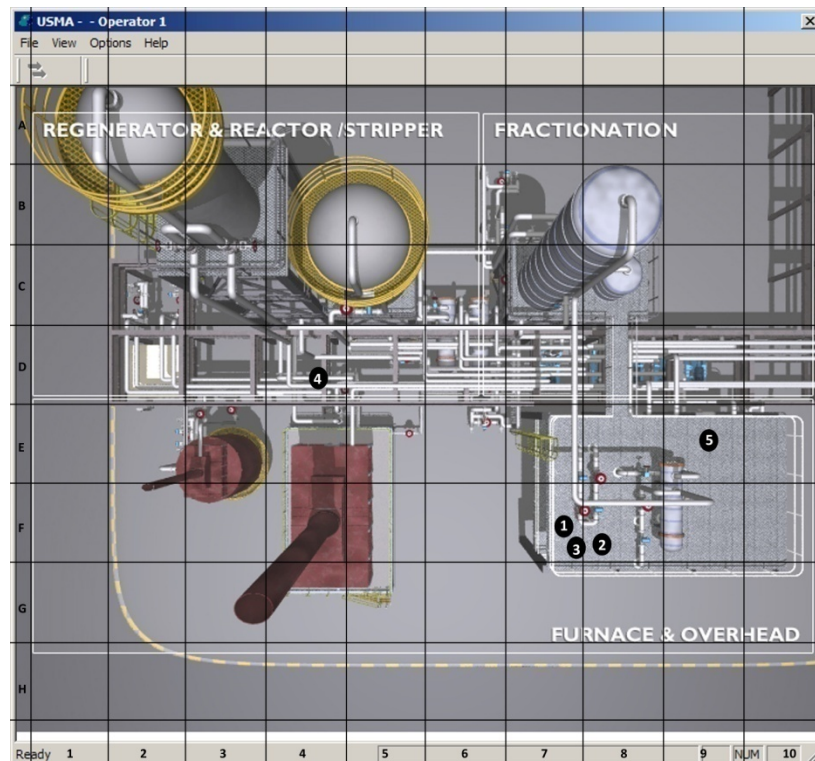
	TAGNAME	GRP.	LOC.	DESCRIPTION
1	TIC-101	3	B3	REACTOR TEMPERATURE
2	PDI-116	3	B4	TICV-101 DELTA P
3	LIC-102	3	B3	STRIPPER CATALYST LEVEL
4	PDI-107	3	B3	LICV-102 DELTA P
5	PI-103	3	B3	REACTOR PRESSURE
6	TI-108	3	B3	REACTOR STRIPPER TEMP.

TAGNAMES ARRANGED BY GROUP – GROUP 4



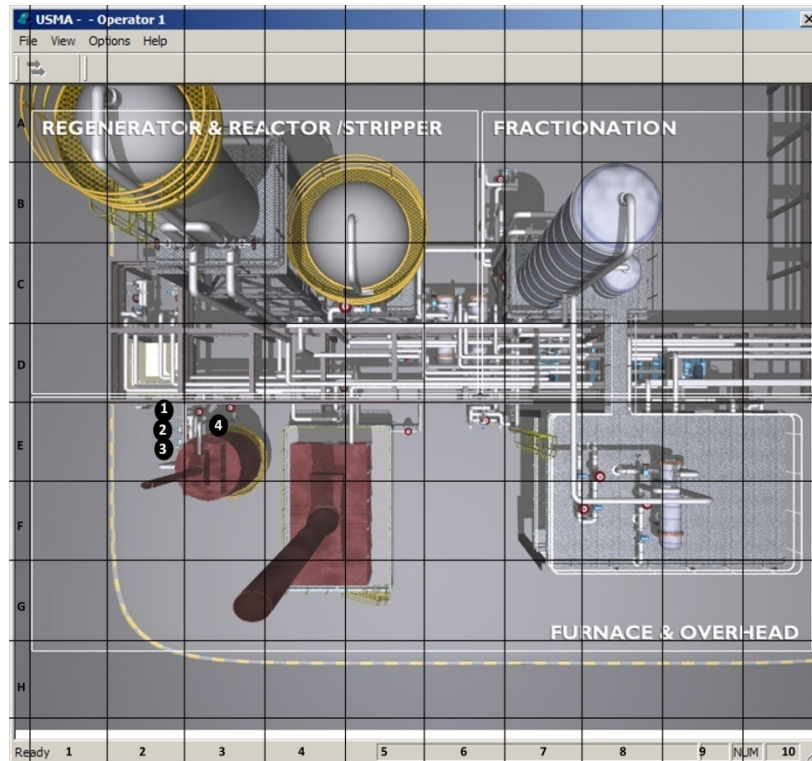
	TAG NAME	GRP.	LOC.	DESCRIPTION
1	FIC-104	4	B5	REACTOR STRIPPING STEAM
2	TIC-127	4	E5	H-100 OUTLET TEMP.
3	HIC-123	4,5	C5	EMERGENCY STEAM TO RISER
4	FIC-121	4,5	D4	FRESH FEED TO RISER
5	XI-144	4	A4	STRIPPER BED DENSITY

TAGNAMES ARRANGED BY GROUP – GROUP 5



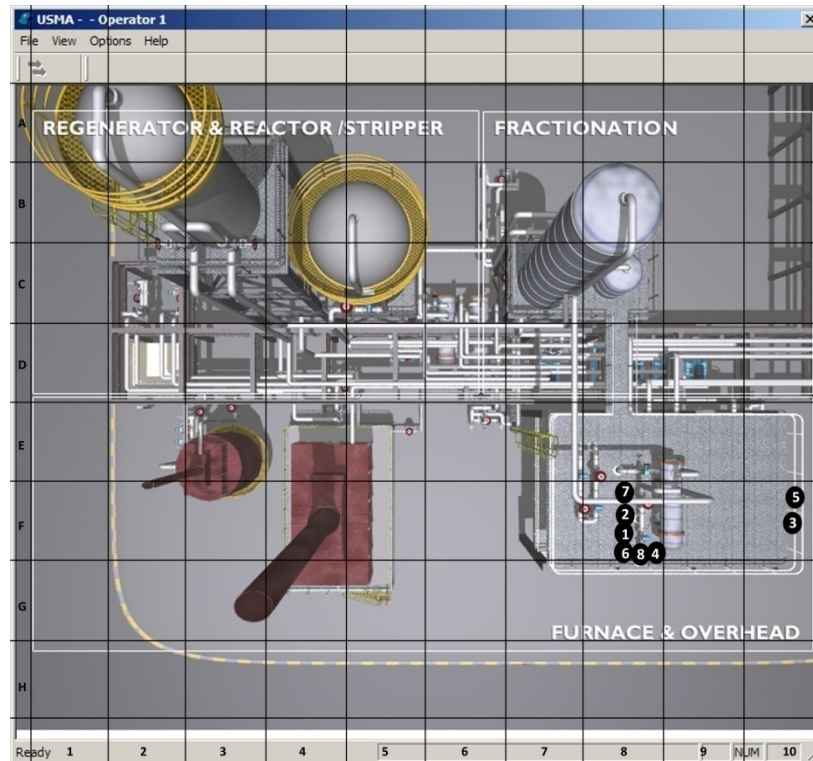
	TAG NAME	GRP.	LOC.	DESCRIPTION
1	FIC-141	5	F7(3)	COLD FEED TO SURGE DRUM
2	LIC-142	5	F8(2)	DRUM LEVEL
3	FI-142	5	F7(3)	HOT FEED TO SURGE DRUM
4	HIC-123	4,5	C5	EMERGENCY STEAM TO RISER
5	FIC-121	4,5	D4	FRESH FEED TO RISER
6	TI-122	5	E9	FR. FEED TO HTR. TEMP.

TAGNAMES ARRANGED BY GROUP – GROUP 6



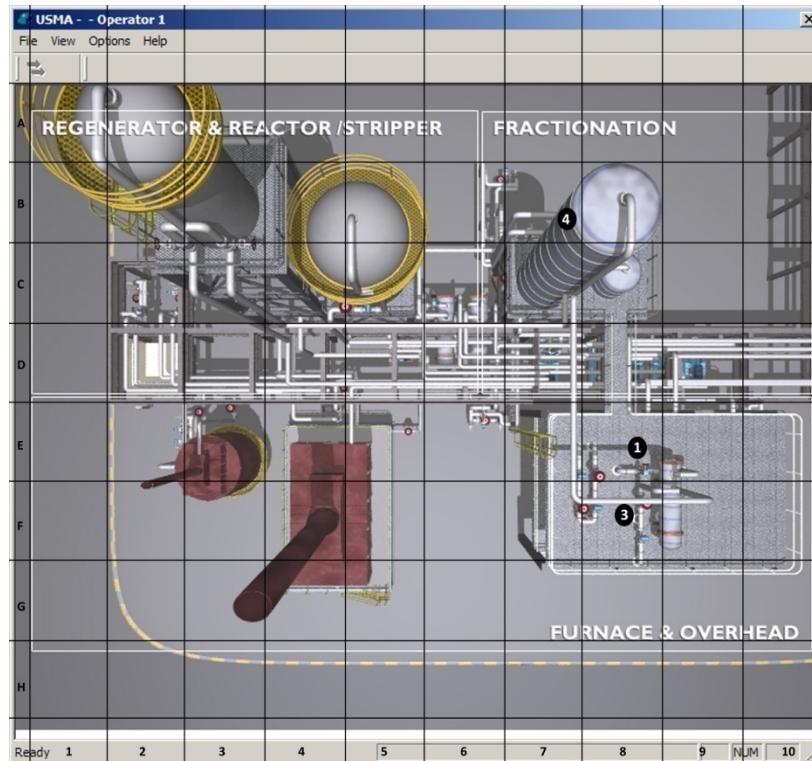
	TAG NAME	GRP.	LOC.	DESCRIPTION
1	FIC-136	6	E2	COMB. AIR SURGE CONTROL
2	FIC-131	1,6	E2	COMB. AIR FLOW TO REGEN.
3	PI-135	6	E2	COMPRESSOR DISCHARGE PRES.
4	TICV-134	1,2,6	E3	COMB. AIR TO REGEN. TEMP.

TAGNAMES ARRANGED BY GROUP – GROUP 7



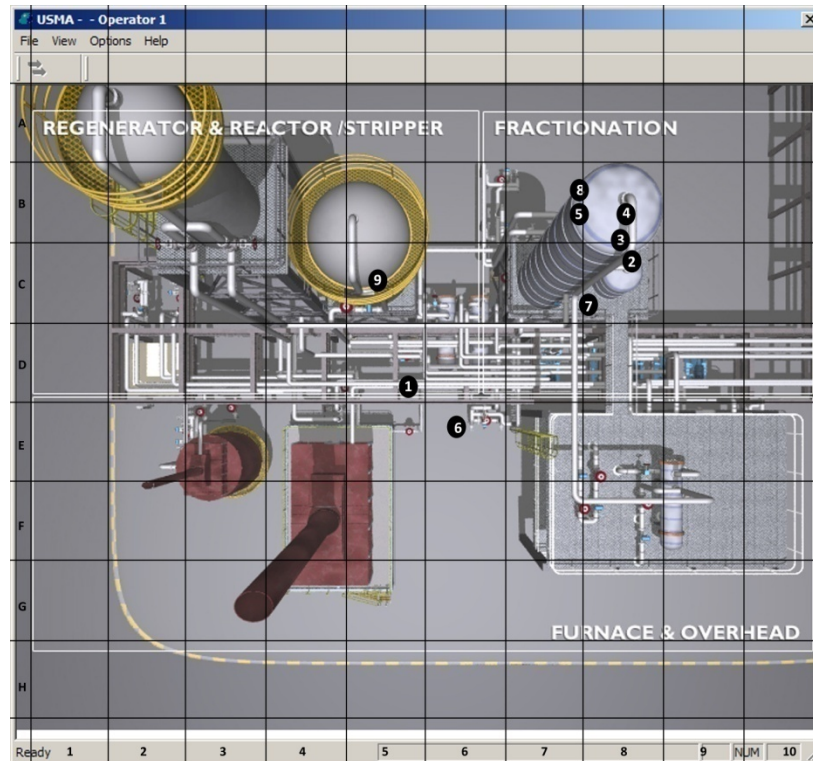
	TAG NAME	GRP.	LOC.	DESCRIPTION
1	PIC-201	7	E8(2)	ACCUM. PRES. CONT. TO FLARE
2	PIC-202	7	E8(2)	ACCUM. PRES. CONTROL
3	PICV-202	7	F10	ACCUM. PRESS. CONTROL
4	LIC-203	7	E8(2)	ACC. HYDROCARBON LEVEL
5	FIC-204	7	F10	NAPHTHA TO ABSORBER
6	FI-208	7	F8(3)	COMP. GAS TO GAS PLANT
7	FIC-209	7	E8(2)	COMP. SURGE FLOW CONT.
8	LIC-207	7	F8	ACCUMULATOR WATER LEVEL

TAGNAMES ARRANGED BY GROUP – GROUP 8



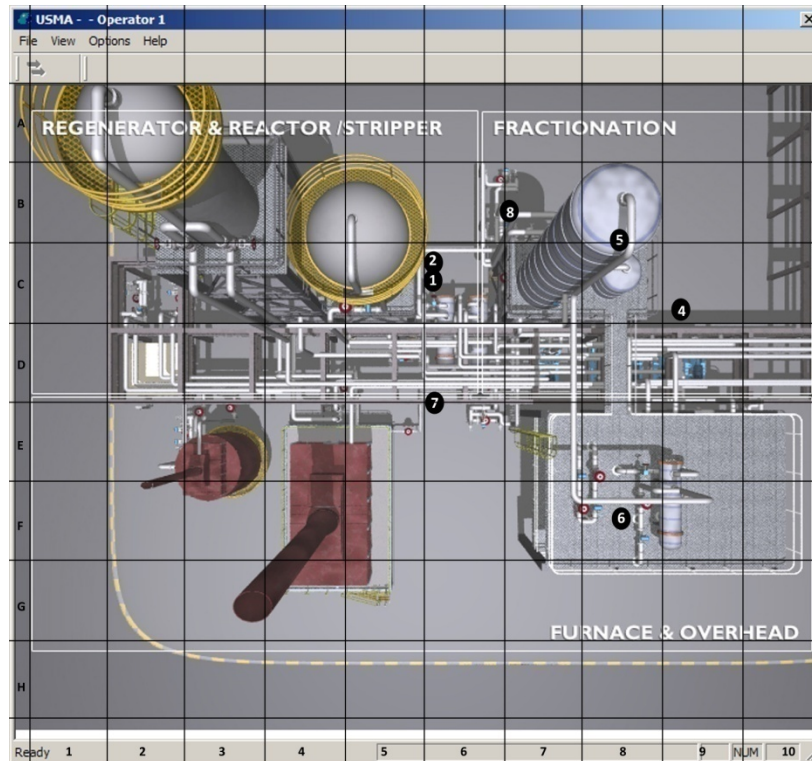
	TAG NAME	GRP.	LOC.	DESCRIPTION
1	HIC-300	8	E8(3)	COOLING WATER TO CONDENS.
2	PI-210	8	n/a	FRACT. TOP PRESSURE
3	TIC-205	8,10	F8(3)	FRACT. TOP TEMP. CONTROL.
4	FIC-206	8	B7	FRACT.TOP REFLUX

TAGNAMES ARRANGED BY GROUP – GROUP 9



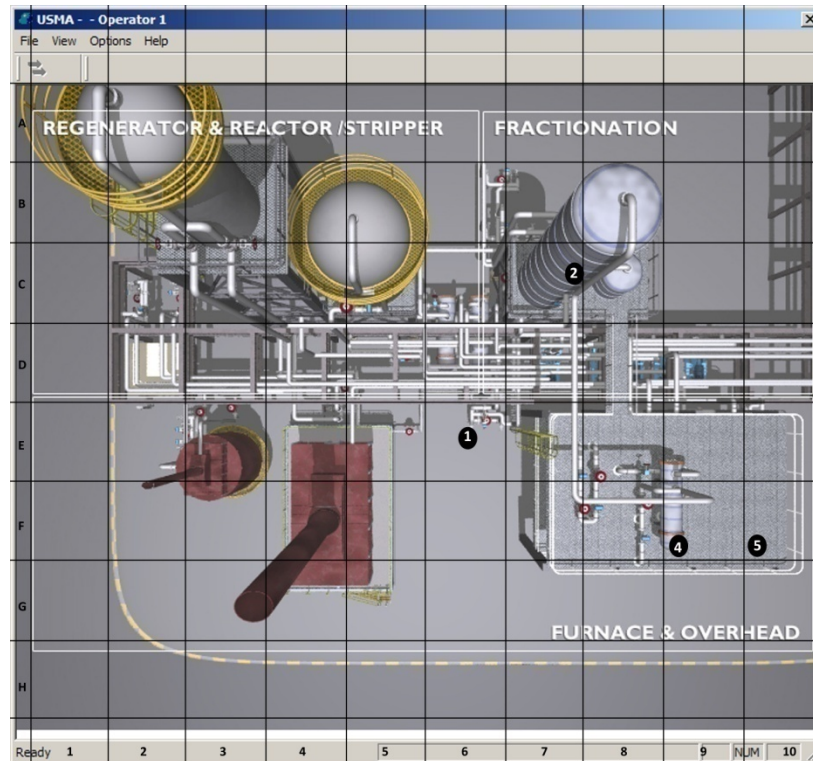
	TAG NAME	GRP.	LOC.	DESCRIPTION
1	FIC-211	9	D5	LCO REFLUX FLOW
2	LIC-214	9	C8	LCO STRIPPER LEVEL
3	LICV-214	9	B8(3)	LCO STRIPPER LEVEL
4	FIC-215	9	B8	STEAM TO LCO STRIPPER
5	FIC-216	9	B7	HCO REFLUX FLOW
6	FIC-218	9	E6	LCO PRODUCT FLOW
7	LIC-219	9	C8(3)	HCO DRAW PAN LEVEL
8	FIC-220	9	B7	HCO FLOW TO TRAY 16
9	FIC-221	9	C5	HCO RECYCLE TO RISER

TAGNAMES ARRANGED BY GROUP – GROUP 10



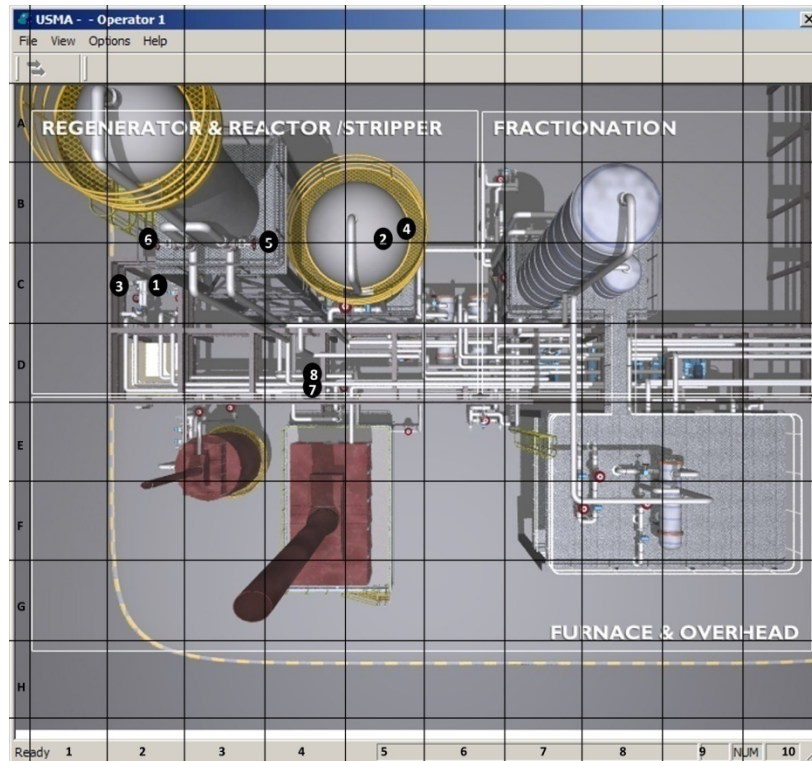
	TAG NAME	GRP.	LOC.	DESCRIPTION
1	HIC-310	10	C6	E-210 COOLING MEDIUM
2	HIC-320	10	C6	E-211 COOLING MEDIUM
3	TIC-226	10,11	n/a	FRACT. BOTTOM TEMP.
4	TI-222	10	C9	HCO DRAW TEMPERATURE
5	TI-213	10	B8(3)	LCO DRAW TEMPERATURE
6	TIC-205	8,10	F8(3)	FRACT. TOP TEMP. CONTROL.
7	TI-212	10	D6	LCO REFLUX RETURN TEMP.
8	TI-217	10	B6	HCO REFLUX RETURN TEMP.

TAGNAMES ARRANGED BY GROUP – GROUP 11



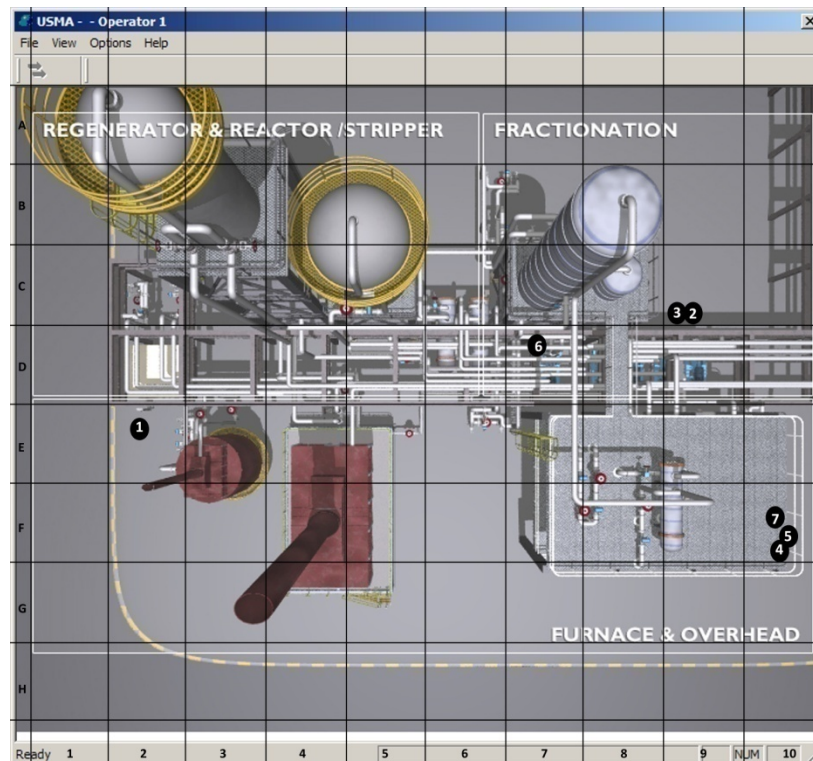
	TAG NAME	GRP.	LOC.	DESCRIPTION
1	FIC-223	11	E6	DECANT OIL TO STORAGE
2	LIC-224	11	C7	FRACT. BOTTOM LEVEL
3	TIC-226	10,11	n/a	FRACT. BOTTOM TEMP.
4	FIC-227	11	F9(2)	SLURRY TOTAL REFLUX
5	FI-225	11	F10(2)	STEAM MAKE FROM E-202

TAGNAMES ARRANGED BY GROUP – GROUP 12



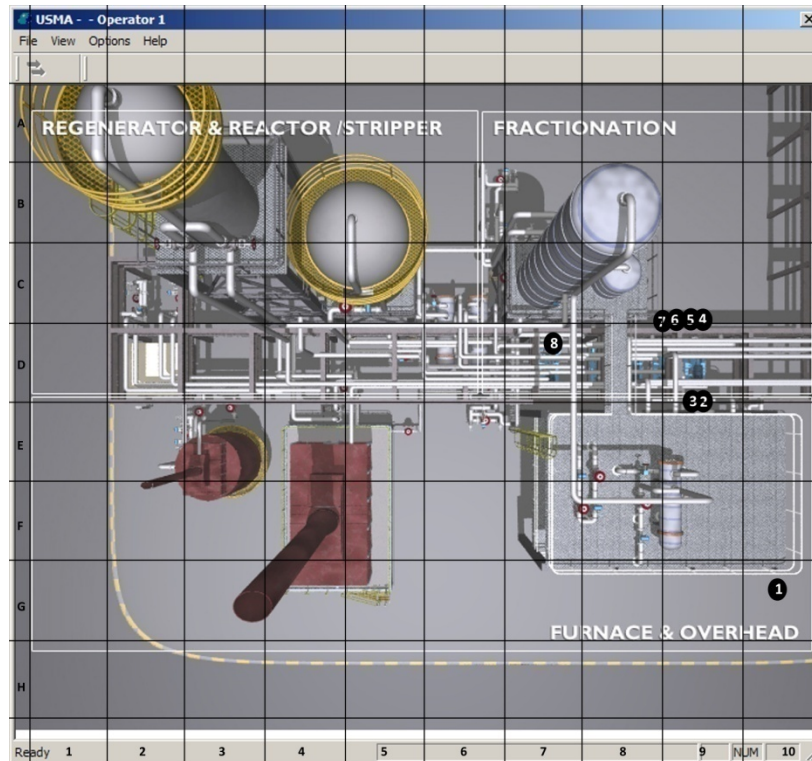
	TAG NAME	GRP.	LOC.	DESCRIPTION
1	HS-114	12	C2	SPRAY WATER TO REGEN
2	HV-123	12	B5(2)	CAT. DRAIN FROM REGEN.
3	HS-121	12	C2	TORCH OIL TO REGEN.
4	HS-122	12	B5	REACTOR STRIPPING STEAM
5	HV-125	12	B3(4)	RX. VAP.TO FRACT BLK. VLV.
6	HV-124	12	B2(4)	RX VENT BLOCK VALVE
7	HS-301	12	D4	FEED TO RX/FRACT SWITCH
8	HS-302	12	D4	FEED TO FRACT. BOT.

TAGNAMES ARRANGED BY GROUP – GROUP 13



	TAG NAME	GRP.	LOC.	DESCRIPTION
1	HS-132	13	E2	AIR COMP. START SWITCH
2	HS-101A	13	E9	P-101A FRESH FEED PUMP
3	HS-101B	13	E9	P-101B SPARE FRESH FEED PUMP
4	HS-303	13	F10(2)	FRACT. BTM. RECIRC.
5	HS-304	13	F10(2)	BTM. TO FEED PREHEAT
6	HV-200	13	D7	STEAM TO FRACT. BOT.
7	HV-209	13	F10(2)	BFW TO E-202 SWITCH

TAGNAMES ARRANGED BY GROUP – GROUP 14



	TAG NAME	GRP.	LOC.	DESCRIPTION
1	HS-208	14	G10	C-202 SWITCH
2	HS-201	14	E9	P-201 NAPHTHA PUMP
3	HS-202	14	E9	P-202 TOP REFLUX PUMP
4	HS-203	14	C9	P-203 LCO REFLUX PUMP
5	HS-204	14	C9	P-204 LCO PRODUCT PUMP
6	HS-205	14	C9	P-205 HCO RECYCLE/REFL. PUMP
7	HS-206	14	C9	P-206 DECANT OIL PROD. PUMP
8	HS-207	14	D7	P-207 FRACT. BOTTOMS PUMP

TAGNAMES ARRANGED BY GROUP – GROUP 15

AI-201, AI-202, AND AI-203 NOT AVAILABLE IN OUTSIDE OPERATOR VIEW

	TAG NAME	GRP.	LOC.	DESCRIPTION
1	AI-201	15	n/a	NAPHTHA TO ASORBER
2	AI-202	15	n/a	LCO PRODUCT
3	AI-203	15	n/a	DECANTED OIL PRODUCT