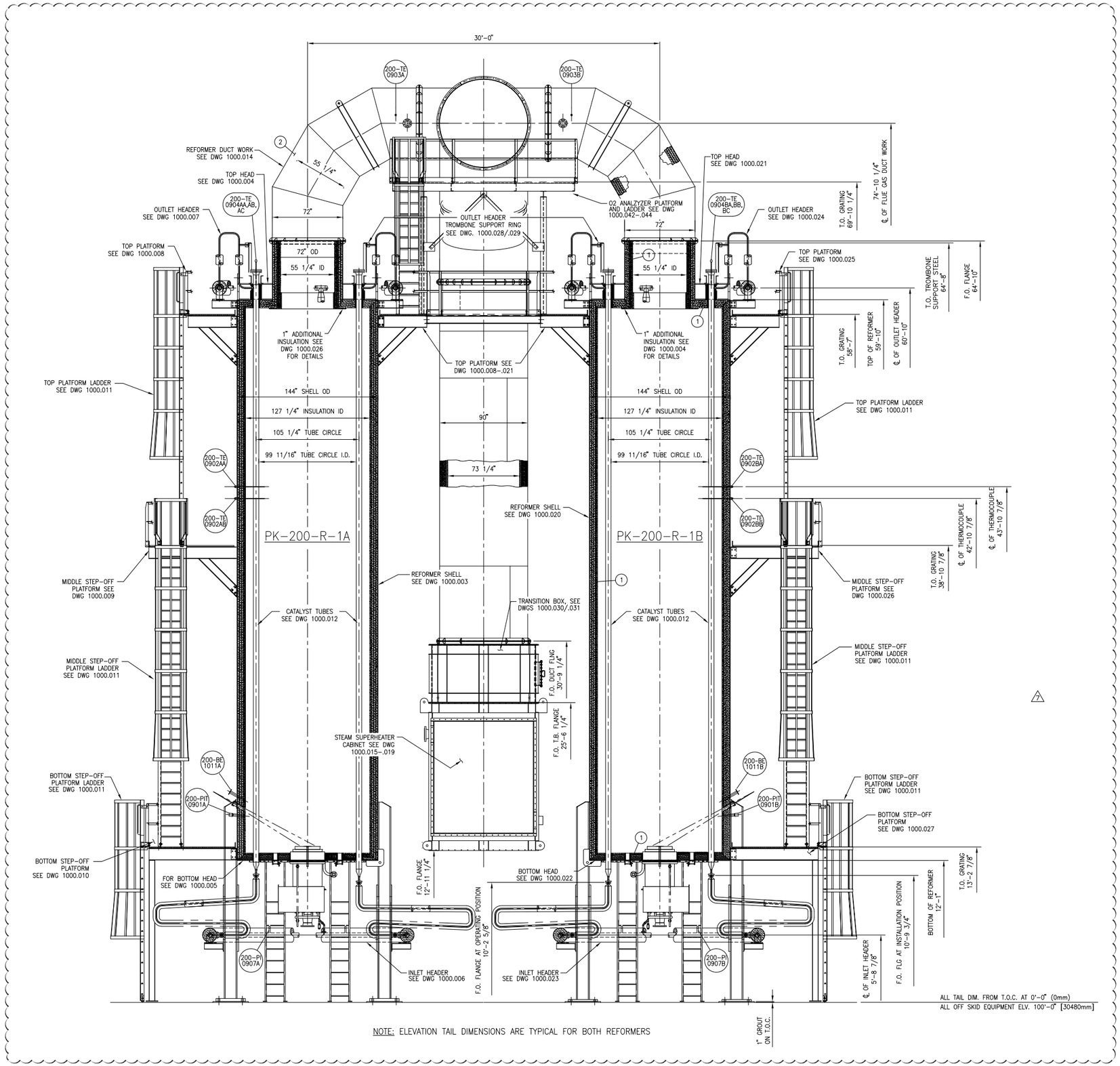

NOTE: ELEVATION TAIL DIMENSIONS ARE TYPICAL FOR BOTH REFORMERS

NOTES:

1. THIS DWG IS FOR REFERENCE ONLY FOR DETAILS OF A PARTICULAR PART SEE THE CORRESPONDING REFERENCED DRAWING.
2. PAINT: PAINT SHALL BE HYDRO-CHEM SYSTEM I
3. REFERENCE SPECIFICATIONS: HCS-10.1, 10.2 AND ASSOCIATED DRAWINGS HCS-10001 THROUGH HCS-10053

INSULATION LEGEND

(1) = 8" THERMAL CERAMICS SUPERWOOL PLUS / SUPERWOOL HT
(SUBSTITUTION ONLY PERMITTED BY WRITTEN AUTHORIZATION FROM HYDRO-CHEM)
(2) 2" THK LAYERS – SUPERWOOL PLUS 10 lb DENSITY (COLD FACE)
(1) 1" THK LAYER – SUPERWOOL PLUS 10 lb DENSITY (COLD FACE)
(1) 2" THK LAYER – SUPERWOOL HT 8 lb DENSITY (HOT FACE)
(1) 1" THK LAYER – SUPERWOOL HT 8 lb DENSITY (HOT FACE)

(2) = 8" THERMAL CERAMICS SUPERWOOL HT
(SUBSTITUTION ONLY PERMITTED BY WRITTEN AUTHORIZATION FROM HYDRO-CHEM)
(3) 2" THK LAYERS – SUPERWOOL HT 8 lb DENSITY (COLD FACE)
(2) 1" THK LAYERS – SUPERWOOL HT 8 lb DENSITY (HOT FACE)

WEIGHT LEGEND

REFORMER SHIPPING WEIGHT = 55,100# (PER CAN W/O LEGS)
DUCT WORK = 44,700#
STEAM SUPERHEATER = 27,200#
REFORMER/S & LEGS / DUCT WORK / FEED SUPERHEATER / STEAM SUPERHEATER / TRANSITION
GRAND TOTAL : 260,000#

REFORMER DRAWING INDEX

DWG. NUMBER		DRAWING TITLE
&ASA36M-000-B-ZA-1000.001	REFORMER PK-200-R-1A/B	SECTIONAL VIEW
&ASA36M-000-B-ZA-1000.002	REFORMER PK-200-R-1A/B	SITE ERECTION DRAWING
&ASA36M-000-B-ZA-1000.003	REFORMER PK-200-R-1A	SHELL ELEVATION & DETAILS
&ASA36M-000-B-ZA-1000.004	REFORMER PK-200-R-1A	TOP HEAD ASSEMBLY & ORIENTATION
&ASA36M-000-B-ZA-1000.005	REFORMER PK-200-R-1A	BOTTOM HEAD ASSEMBLY, ACCESS DOOR & DETAILS
&ASA36M-000-B-ZA-1000.006	REFORMER PK-200-R-1A	INLET HEADER 4"S/80 SS-5"H
&ASA36M-000-B-ZA-1000.007	REFORMER PK-200-R-1A	OUTLET HEADER 4"H38IN-4"H
&ASA36M-000-B-ZA-1000.008	REFORMER PK-200-R-1A	TOP PLATFORM ASSEMBLY
&ASA36M-000-B-ZA-1000.009	REFORMER PK-200-R-1A	MIDDLE STEP-OFF PLATFORM ASSEMBLY
&ASA36M-000-B-ZA-1000.010	REFORMER PK-200-R-1A	BOTTOM STEP-OFF PLATFORM ASSEMBLY
&ASA36M-000-B-ZA-1000.011	REFORMER PK-200-R-1A/B	LADDERS ELEVATION & DETAILS
&ASA36M-000-B-ZA-1000.012	REFORMER PK-200-R-1A/B	CATALYST TUBE DETAILS
&ASA36M-000-B-ZA-1000.013	REFORMER PK-200-R-1A/B	SHIPPING SADDLE & DETAILS
&ASA36M-000-B-ZA-1000.014	REFORMER PK-200-R-1A/B	DUCT ASSEMBLY 84"OD THRU 114"OD
&ASA36M-000-B-ZA-1000.015	STEAM SUPERHEATER	CABINET WH-101
&ASA36M-000-B-ZA-1000.016	STEAM SUPERHEATER	U-BENDS, B-RINGS, DATA PLT & SPECS WH-101
&ASA36M-000-B-ZA-1000.017	STEAM SUPERHEATER	HOUSING ASSEMBLY WH-101
&ASA36M-000-B-ZA-1000.018	STEAM SUPERHEATER	END COVERS WH-101
&ASA36M-000-B-ZA-1000.019	STEAM SUPERHEATER	TUBESHEETS WH-101
&ASA36M-000-B-ZA-1000.020	REFORMER PK-200-R-1B	SHELL ELEVATION & DETAILS
&ASA36M-000-B-ZA-1000.021	REFORMER PK-200-R-1B	TOP HEAD ASSEMBLY & ORIENTATION
&ASA36M-000-B-ZA-1000.022	REFORMER PK-200-R-1B	BOTTOM HEAD ASSEMBLY, ACCESS DOOR & DETAILS
&ASA36M-000-B-ZA-1000.023	REFORMER PK-200-R-1B	INLET HEADER 4"S/80 SS-5"H
&ASA36M-000-B-ZA-1000.024	REFORMER PK-200-R-1B	OUTLET HEADER 4"H38IN-4"H
&ASA36M-000-B-ZA-1000.025	REFORMER PK-200-R-1B	TOP PLATFORM ASSEMBLY
&ASA36M-000-B-ZA-1000.026	REFORMER PK-200-R-1B	MIDDLE STEP-OFF PLATFORM ASSEMBLY
&ASA36M-000-B-ZA-1000.027	REFORMER PK-200-R-1B	BOTTOM STEP-OFF PLATFORM ASSEMBLY
&ASA36M-000-B-ZA-1000.028	REFORMER PK-200-R-1A	OUTLET HEADER TROMBONE SUPPORT RING
&ASA36M-000-B-ZA-1000.029	REFORMER PK-200-R-1B	OUTLET HEADER TROMBONE SUPPORT RING
&ASA36M-000-B-ZA-1000.030	REFORMER PK-200-R-1A/B	TRANSITION PLAN AND ELEVATION
&ASA36M-000-B-ZA-1000.031	REFORMER PK-200-R-1A/B	TRANSITION DETAILS
&ASA36M-000-B-ZA-1000.032	REFORMER PK-200-R-1A	DOWNCOMER & DETAILS
&ASA36M-000-B-ZA-1000.033	REFORMER PK-200-R-1A	DOWNCOMER GUIDE (G1,G2) DETAILS
&ASA36M-000-B-ZA-1000.034	REFORMER PK-200-R-1A	DOWNCOMER GUIDE (G3) DETAILS
&ASA36M-000-B-ZA-1000.035	REFORMER PK-200-R-1A	DOWNCOMER GUIDE SP-802 / (G4) DETAILS
&ASA36M-000-B-ZA-1000.036	REFORMER PK-200-R-1B	DOWNCOMER & DETAILS
&ASA36M-000-B-ZA-1000.037	REFORMER PK-200-R-1B	DOWNCOMER GUIDE (G5,G6) DETAILS
&ASA36M-000-B-ZA-1000.038	REFORMER PK-200-R-1B	DOWNCOMER GUIDE (G7) DETAILS
&ASA36M-000-B-ZA-1000.039	REFORMER PK-200-R-1B	DOWNCOMER GUIDE SP-805 / (G8) DETAILS
&ASA36M-000-B-ZA-1000.040	REFORMER PK-200-R-1A	TOP PLATFORM DETAILS
&ASA36M-000-B-ZA-1000.041	REFORMER PK-200-R-1B	TOP PLATFORM DETAILS
&ASA36M-000-B-ZA-1000.042	REFORMER PK-200-R-1A/B	O2 ANALYZER PLATFORM ASSEMBLY
&ASA36M-000-B-ZA-1000.043	REFORMER PK-200-R-1A/B	O2 ANALYZER PLATFORM ASSEMBLY
&ASA36M-000-B-ZA-1000.044	REFORMER PK-200-R-1A/B	O2 ANALYZER PLATFORM LADDER DETAILS
&ASA36M-000-B-ZA-1000.045	REFORMER PK-200-R-1A/B	CROSS OVER PLATFORM DETAILS
&ASA36M-000-B-ZA-1000.046	REFORMER PK-200-R-1A/B	OUTLET HEADER 4" CUSTOM TEE

STATUS	ISSUE	REVISION	BY	CHK	APP	QA	DATE
H	7	SWITCHED REFORMER A & B SIDES TO SHOW CURRENT PLANT LAYOUT REVISED FROM ORIGINAL PROPOSED LAYOUT	CLJ	DPK	FE		8-19 2015
H	6	ADDED DWG 1000.046, 4" CUSTOM TEE, TO DWG INDEX	CLJ	BPLT	DPK		8-10 2015
H	5	REMOVED EXTRA 4" BEAM FROM TOP HEADER SUPPORT	CLJ	DPK	FE		6-22 2015
H	4	REV WEIGHT LEGEND – SHIPPING WGT. & GRAND TOTAL	CLJ	DPK	DPK		6-11 2015
H	3	REV DIMS TO BOTTOM OF DUCT AND TRANSITION BOX; REV CLIENT INFORMATION; REMOVED WEIGHT HOLD	CLJ	JHT	DPK		4-16 2015
H	2	APP. FOR CONSTR.; REV ELEV. DIMS, INSUL. LEGEND & DWG INDEX TITLES; ADD 1"GROUT DIM FROM T.O.C. TO B.O.S	CLJ	JHT	DPK		2-5 2015
E	1	APPROVED FOR DETAIL ENGINEERING	CLJ	JHT	DPK		1-9 2015

NOTICE:
THIS DRAWING AND ALL INFORMATION CONTAINED HEREON IS THE SOLE PROPERTY OF HYDRO-CHEM AND SHALL NOT BE REPRODUCED IN ANY MANNER NOR, SHALL IT BE USED FOR ANY PURPOSE OTHER THAN FOR WHICH IT HAS BEEN PROVIDED, EXCEPT BY WRITTEN PERMISSION FROM HYDRO-CHEM. REFER TO PROTECTION NOTICE ISO16016.

CLIENT:

HYDRO-CHEM
A DIVISION OF LINDE ENGINEERING NORTH AMERICA, INC.
CANTON, GEORGIA

DR.: CLJ	DATE: 12-9-14	
CHK.: JHT	DATE: 1-9-15	
APP.: DPK	DATE: 1-9-15	

REFORMER PK-200-R-1A/B SECTIONAL VIEW

SCALE:	PROJ. & DWG. NO.:	ISSUE:
NONE	&ASA36M-000-B-ZA-1000.001	7

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