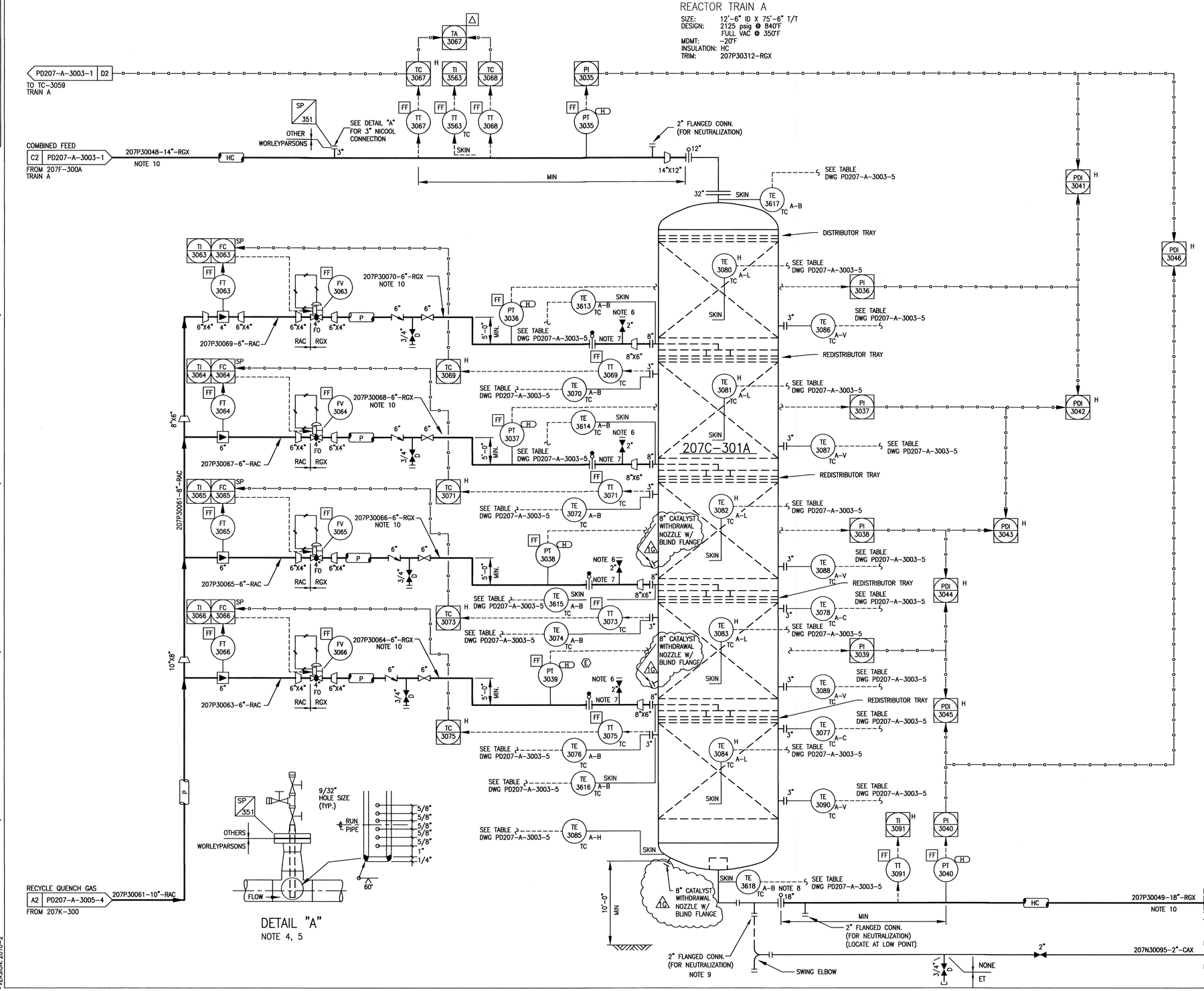
DRAWING NO. PD207-A-3003-4 REV. 1G

207C-301A
REACTOR TRAIN A

SIZE: 12'-6" ID X 75'-6" T/T
DESIGN: 2125 psig @ 840°F
FULL VAC @ 350°F
MDMT: -20°F
INSULATION: HC
TRIM: 207P30312-RGX



NOTES

1. FOR P&ID LEGEND SYMBOLS AND GENERAL NOTES SEE SUNCOR DRAWING NUMBERS GD00D-A-1-1/2/3/4.
2. INSTRUMENT IDENTIFICATIONS ARE PREFIXED BY THE PLANT NUMBER 207 UNLESS OTHERWISE NOTED.
3. DELETED.
4. NITROGEN COOLING CONNECTION TO BE IN ACCESSIBLE LOCATION AND MINIMUM 12 PIPE DIAMETERS UPSTREAM OF TT-3067. REFER TO DETAIL A.
5. SPARGER DETAILS: HOLES FACE DOWNSTREAM
   TUBE OD = 1-1/2"
   HOLE DIA = 9/32"
   NUMBER OF HOLES = 6
   SPACING (C/L TO C/L) = 5/8"
   321 STAINLESS STEEL QUILL.
6. NITROGEN CONNECTION.
7. REMOVABLE SPOOL.
8. DISCONNECT AND BLANK OFF DURING NEUTRALIZATION.
9. LOCATE OUTSIDE SKIRT FOR NEUTRALIZATION.
10. ALL DRAINS AND DEADLEGS ON RGX LINES SHALL BE ALLOY 825.
11. DELETED.
12. DELETED. 1G

HOLDS:

1. DELETED.
2. DELETED.
3. DELETED.
4. DELETED.

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WorleyParsons resources & energy

REFERENCE DRAWINGS

1G

REV.	DATE Y	M	D	DESCRIPTION	BY	CHK.	ENG.	APP.
1G	12	07	15	ISSUED FOR CONSTRUCTON	MK			SA
1F	09	02	27	RE-ISSUED FOR CONSTRUCTION	BN	RS		TM
1E	08	08	29	RE-ISSUED FOR CONSTRUCTION	AP	NP		
1D	08	04	14	ISSUED FOR CONSTRUCTION	TG			
1C	07	05	29	ISSUED FOR DESIGN	DF	GC		
1B	07	01	19	ISSUED FOR APPROVAL	HX	BM		
1A	06	11	14	ISSUED FOR REVIEW	AEK	BM	SK	

PROFESSIONAL ENGINEER SUJIT RAY ALBERTA
FOR REV 1G ONLY

PERMIT TO PRACTICE
WORLEYPARSONS CANADA SERVICES LTD.
Signature
Date July 17 2012
PERMIT NUMBER: P 0725
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

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TITLE
PIPING & INSTRUMENTATION DIAGRAM GAS OIL HYDROTREATER NO. 3 REACTOR – TRAIN A

EQUIP. NO. 207C-301A	PLANT AREA 207
SAP NO. 03-00006-HT-07-3A	SCALE NTS
FILE NAME PD207-A-3003-4.DWG	
DRAWN BY MK	CHECKED BY
MICRO. REV.	
APPROVED	DRAWING NO. PD207-A-3003-4
REV. 1G	

PLOT SCALE: 6000=1-11/16" Hard To Size

Sunbond_D_Imp_Landscape VERSION: 2010-2

Drawing filename: V:\SUNCOR\1139017 HYDROTREATERS\11_DRAWINGS\06_PIPING\PHASE II\MECHANICAL\02-P&ID\GRAY\PD207-A-3003-4.DWG Plot date/time: Thursday -- July 12, 2012 -- 4:39pm USER: mlo.khorlonova