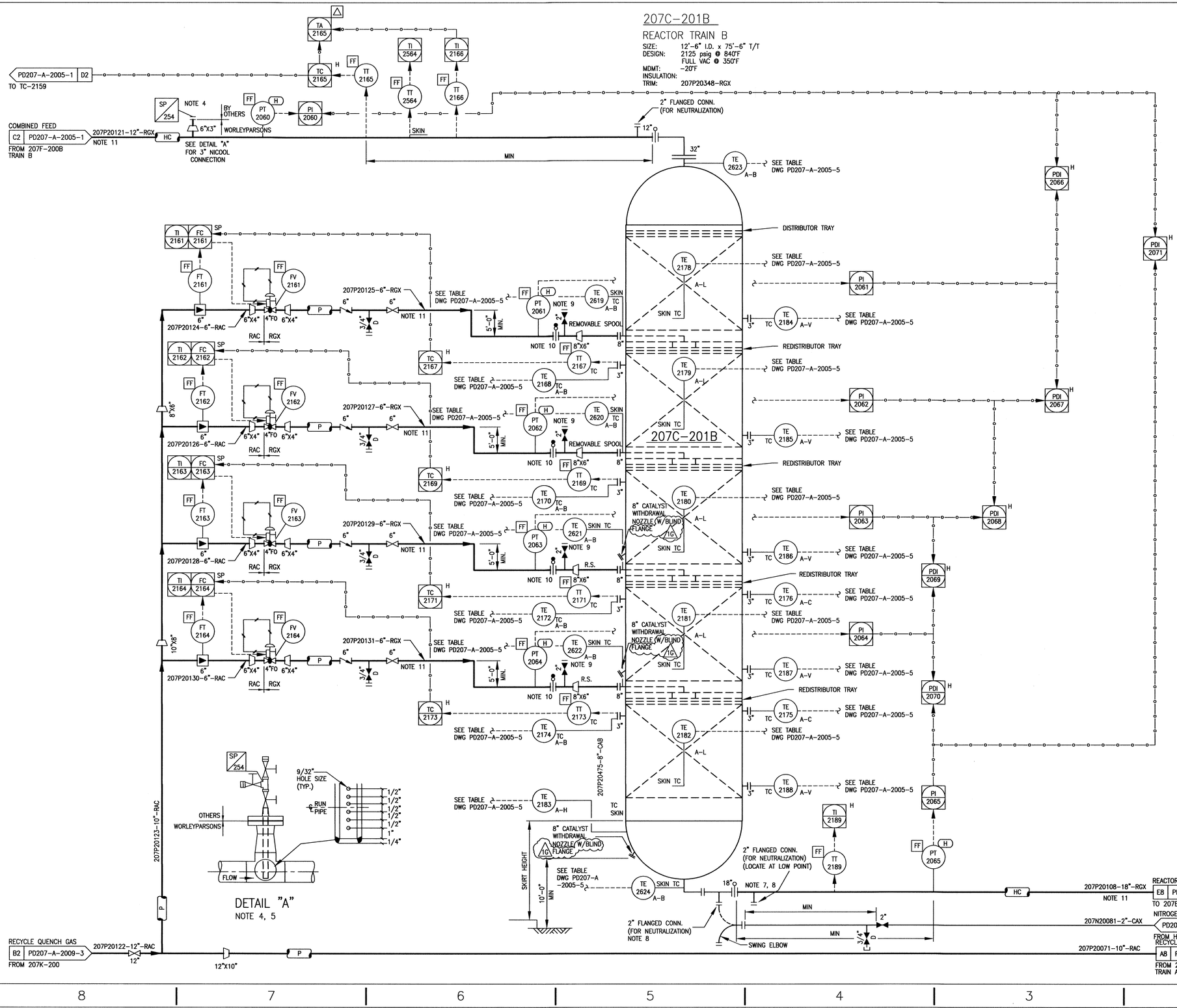

NOTES

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 AN ACCESSIBLE LOCATION AND MINIMUM 12 DIAMETERS UPSTREAM OF TT-2165. 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) = 9/16"
   321 STAINLESS STEEL QUILL
6. DELETED.
7. DISCONNECT AND BLANKOFF DURING NEUTRALIZATION.
8. LOCATE OUTSIDE SKIRT FOR NEUTRALIZATION.
9. NITROGEN CONNECTION.
10. LOCATE BLIND CLOSE TO REACTOR NOZZLE.
11. ALL DRAINS AND DEAD LEGS ON RGX LINES SHALL BE ALLOY 825.
12. DELETED. (1G)

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WorleyParsons resources & energy

REFERENCE DRAWINGS

HOLDS:

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

REV.	DATE Y	M	D	DESCRIPTION	BY	CHK.	ENG.	APP.
1G	12	07	15	ISSUED FOR CONSTRUCTION	MK	SA	SA	SA
1F	09	02	27	RE-ISSUED FOR CONSTRUCTION	RL	LM	SA	TM
1E	08	09	12	RE-ISSUED FOR CONSTRUCTION	GKW	SA	SA	KK
1D	08	05	05	ISSUED FOR CONSTRUCTION	GW	SA	SA	KK
1C	07	06	05	ISSUED FOR DESIGN	JS	GC	SA	KK
1B	07	02	02	ISSUED FOR APPROVAL	HX	BM	SA	SA
1A	06	12	22	ISSUED FOR REVIEW	SC	GC	KR	

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
DIESEL HYDROTREATER NO. 2
REACTOR - TRAIN B

EQUIP. NO. 207C-201B		PLANT AREA 207
SAP NO. 03-00006-HT-07-2A	SCALE NTS	FILE NAME PD207-2005-4.DWG
DRAWN BY MK	CHECKED BY	MICRO. REV.
APPROVED	DRAWING NO. PD207-A-2005-4	REV. 1G

PLOT SCALE: 6006-C-1005-Rev5 D Size

DRAWING NO. PD207-A-2005-4 REV 1G

Drawing filename: V:\SUNCOR\110917. HYDROTREATERS\11_DRAWINGS\06_PIPING\PHASE II\MECHANICAL\02-PA&D\DWT\PD207-A-2005-4.DWG — Plot date/time: Friday - July 13, 2012 - 1:35pm — USER: mila.khorikonova