

DRAWING NO. PD207-A-3005-4

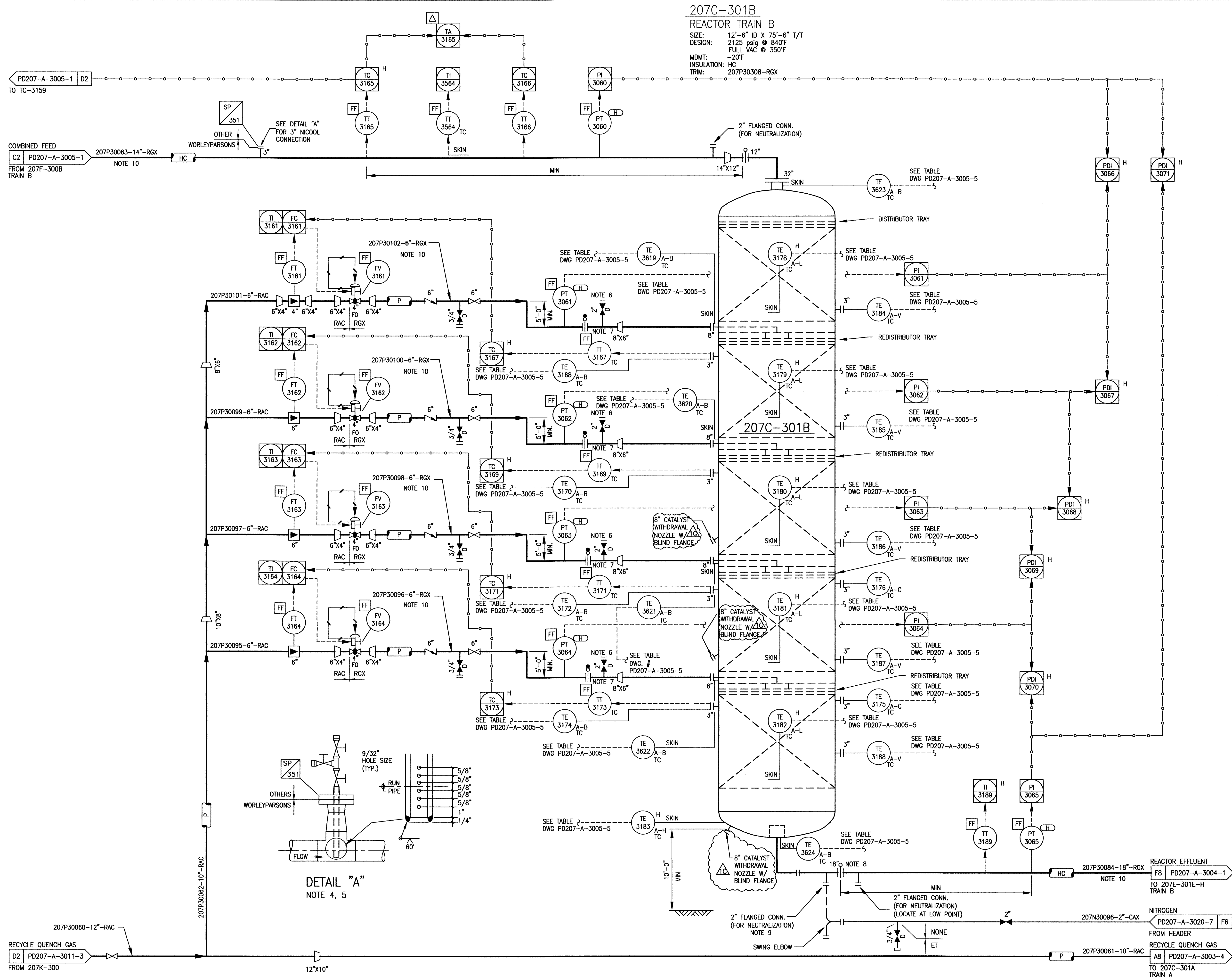
E

D

C

B

A
Subhard, D. Imp. Landscape
VERSION 2010-2



NOTES

- FOR P&ID LEGEND SYMBOLS AND GENERAL NOTES SEE SUNCOR DRAWING NUMBERS G0000-A-1-1/2/3/4.
- INSTRUMENT IDENTIFICATIONS ARE PREFIXED BY THE PLANT NUMBER 207 UNLESS OTHERWISE NOTED.
- DELETED.
- NITROGEN COOLING CONNECTION TO BE ON ACCESSIBLE LOCATION AND MINIMUM 12 PIPE DIAMETERS UPSTREAM OF TT-3165. REFER TO DETAIL A.
- SPARGER DETAILS: HOLES OF FACE DOWNSTREAM
TUBE OD 1/2"
HOLE DIA = 3/32"
NUMBER OF HOLES = 6
SPACING (C/L TO C/L) = 3/8"
STAINLESS STEEL QUILL
- NITROGEN CONNECTION.
- REMOVABLE SPOOL.
- DISCONNECT AND BLANK-OFF DURING NEUTRALIZATION.
- LOCATE OUTSIDE SKIRT FOR NEUTRALIZATION.
- ALL DRAIN AND DEADLEGS ON RGX LINES SHALL BE ALLOY 825.
- DELETED.
- DELETED.

"This drawing is prepared solely for the use of the contractual customer of WorleyParsons Canada Ltd. and WorleyParsons Canada Ltd. assumes no liability to any other party for any representation contained in this drawing."

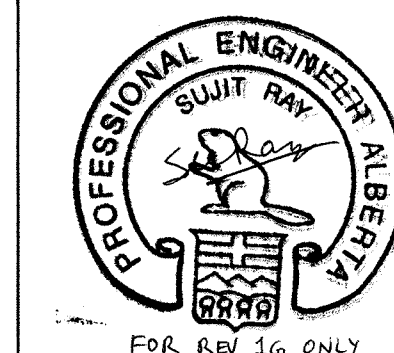


REFERENCE DRAWINGS

HOLDS:

- DELETED.
- DELETED.
- DELETED.
- DELETED.

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



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



THIS DRAWING IS COPYRIGHT AND IS THE PROPERTY OF SUNCOR ENERGY INC. IT MAY NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART IN ANY WAY WITHOUT WRITTEN PERMISSION OF SUNCOR ENERGY INC. USE OF THIS DRAWING IS PERMITTED ONLY FOR THE SPECIFIC PURPOSE FOR WHICH IT WAS ISSUED BY SUNCOR ENERGY INC. AND IT MUST BE RETURNED IMMEDIATELY UPON REQUEST.

TITLE
PIPING & INSTRUMENTATION DIAGRAM
GAS OIL HYDROTREATER NO. 3
REACTOR - TRAIN B

EQUIP. NO. 207C-301B	PLANT AREA 207
SAP NO. 03-00008-HT-07-3A	SCALE NTS
DRAWN BY MK	CHECKED BY
APPROVED	DRAWING NO. PD207-A-3005-4
FILE NAME PD207-A-3005-4.DWG	MICRO. REV.
REV. 1G	