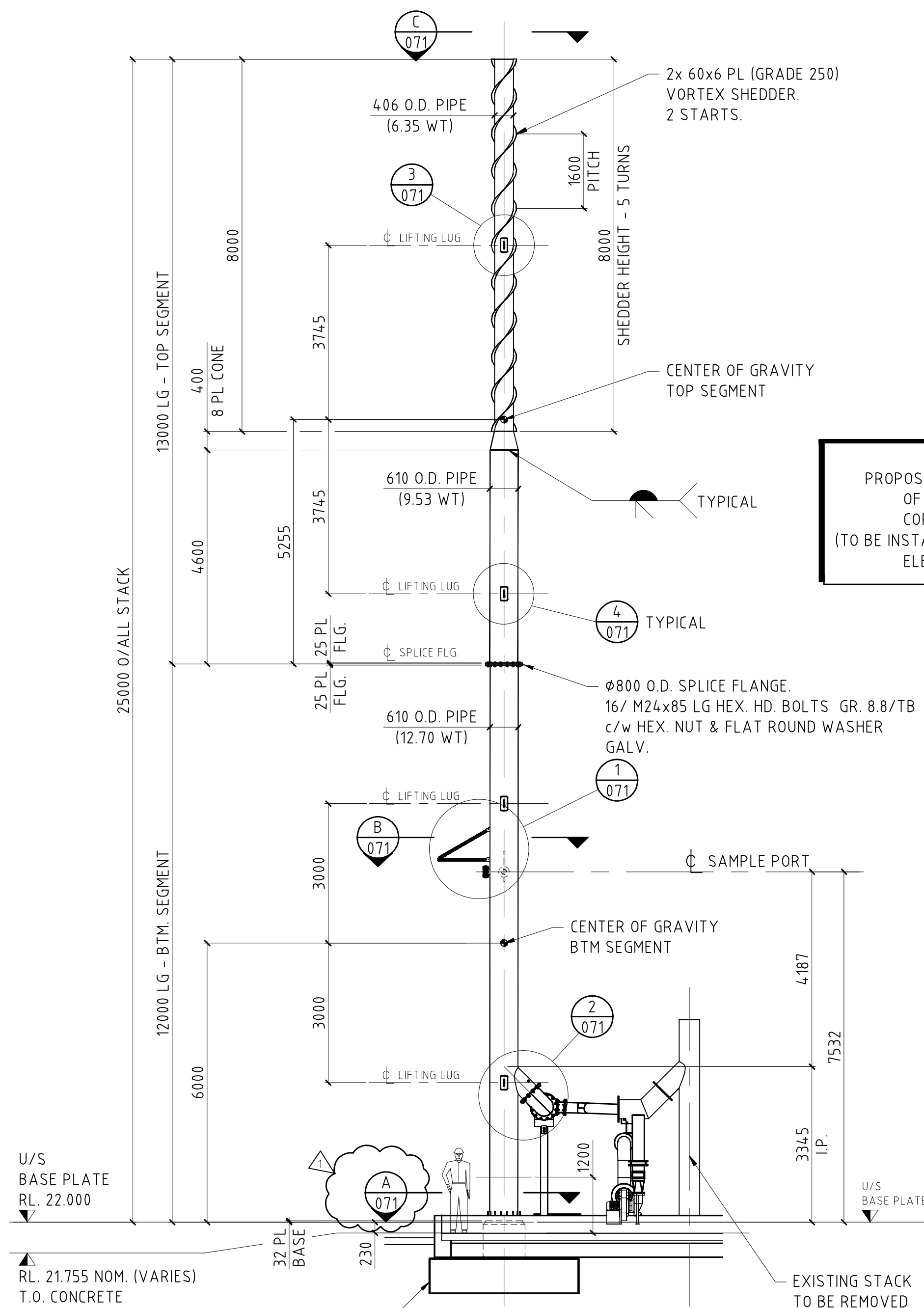


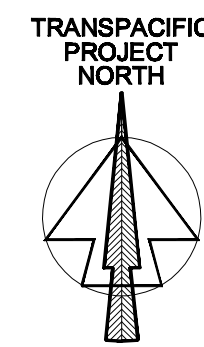
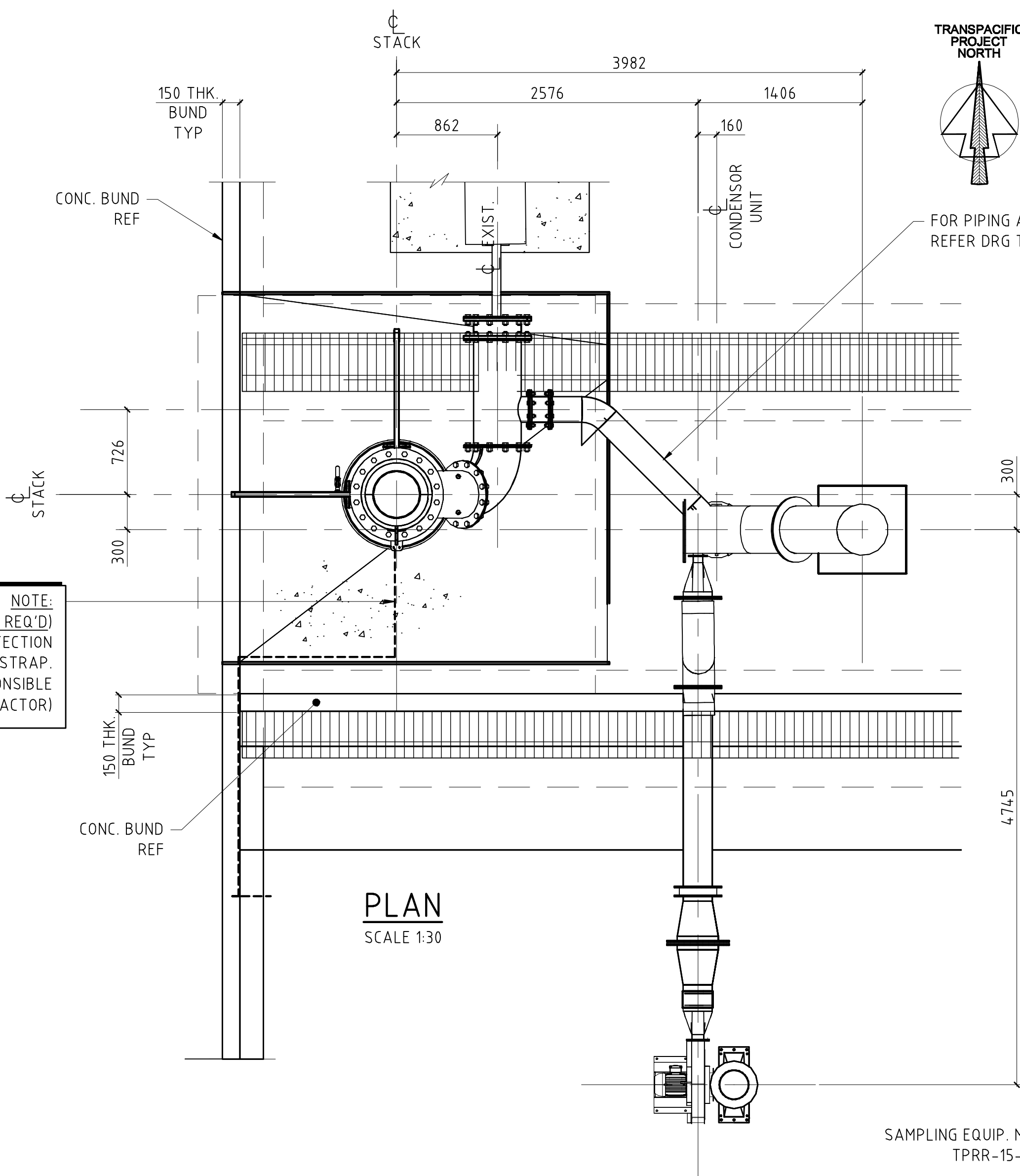
FOR CONSTRUCTION



FOR CONCRETE PEDESTAL & H.D. BOLT DETAILS REFER TO DRG No. TPRR-15-CIVIL-GA-079

HEATER WASTE GAS STACK - GENERAL ARRANGEMENT  
SCALE 1:75

NOTE:  
PROPOSED PATH (OR AS REQ'D) OF LIGHTNING PROTECTION COPPER EARTHING STRAP. (TO BE INSTALLED BY RESPONSIBLE ELECTRICAL CONTRACTOR)



FOR PIPING ARRANGEMENT AND DETAILS. REFER DRG TPRR-15-MECH-GA-081

HEATER STACK - TOP SEGMENT  
TPRR-15-MECH-AS-076-A

SAMPLING EQUIP. MONORAIL FRAME  
TPRR-15-MECH-AS-075-C

HEATER STACK - BTM SEGMENT  
TPRR-15-MECH-AS-074-A

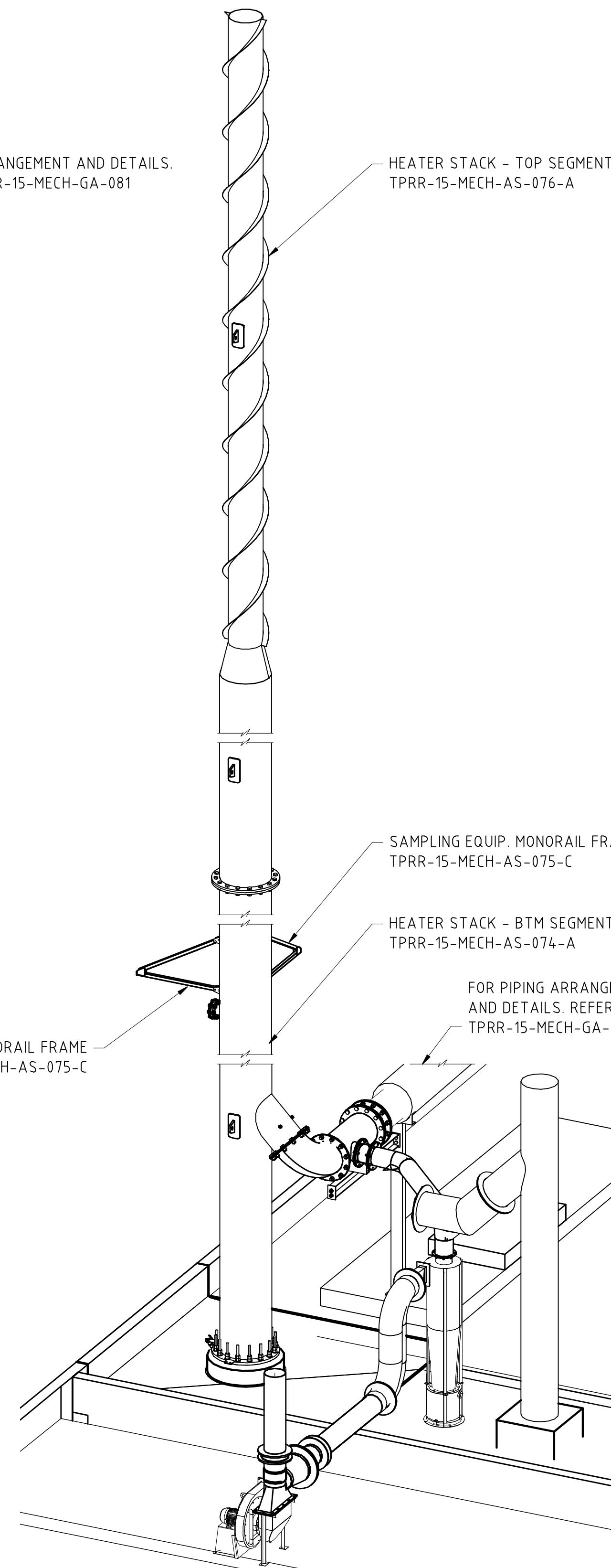
FOR PIPING ARRANGEMENT AND DETAILS. REFER DRG TPRR-15-MECH-GA-081

SAMPLING EQUIP. MONORAIL FRAME  
TPRR-15-MECH-AS-075-C

### STACK RE-LEVELLING PROCEDURE

NOTE: RE-LEVELLING TO BE UNDERTAKEN UNDER NO WIND CONDITIONS.

1. SETUP THE MOBILE CRANE ON THE ACCESS ROAD ADJACENT STACK, NORTH OF PIPEBRIDGE. NET MASS OF STACK IS APPROXIMATELY 4.0 TONNE.
2. SLING THE STACK USING THE UPPER LIFTING LUGS AND REMOVE THE SLACK FROM THE SLINGS.
3. DISCONNECT THE RADCOFLEX EXPANSION JOINTS AT TWO INCOMING PIPEWORK LOCATIONS
4. LOOSEN THE ANCHOR BOLT NUTS AND TAKE THE WEIGHT OF THE STACK, TO ALLOW CLEARANCE UNDER THE BASEPLATE. DO NOT LIFT COMPLETELY OFF ANCHOR BOLTS.
5. REMOVE EXISTING BASEPLATE GROUT, AND AVOID DAMAGING THE ANCHOR BOLTS.
6. RE-LEVEL USING LEVELLING NUTS TO UNDERSIDE OF BASEPLATE. PACK BASEPLATE WITH STEEL PACKERS.
7. RE-INSTALL THE DENSO TAPE ANCHOR BOLT PROTECTION UNDER THE BASEPLATE.
8. RE-GROUT THE BASE PLATE WITH POURABLE CEMENTITIOUS NON SHRINK GROUT.

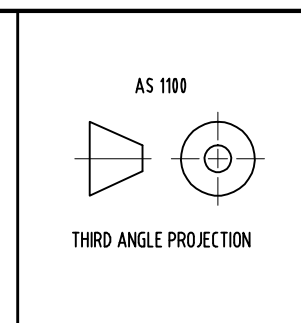


HEATER WASTE GAS STACK  
PICTORIAL ARRANGEMENT

1	SECTION A RELOCATED. RE-LEVELLING PROCEDURE ADDED	JAJ	MOS	01.08.14		
2	ISSUED FOR CONSTRUCTION	JIL	JAJ	27.06.14		
3	SAMPLE PORT HEIGHTS REVISED	JAJ	TR	16.06.14		
4	DESIGN REVISED. DRAWING ISSUED FOR APPROVAL	JAJ	TT	04.06.14		
5	DRAWING REVISED. RE-ISSUED FOR APPROVAL	JAJ	-	08.05.14		
6	ISSUED FOR CLIENT APPROVAL	JAJ	-	26.03.14		
REV	REVISIONS	DRAWN	APP	DATE	REFERENCE DRAWINGS	DRG No.



(DO NOT SCALE - IF IN DOUBT ASK)



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DRAWN: J. JENKINS	DATE: 19.03.14	TITLE: TRANSPACIFIC REFINERS HEATER WASTE GAS STACK MECHANICALS GENERAL ARRANGEMENT - SHEET 1 OF 2
DESIGNED: K. MORROW	DATE: MARCH 2014	
CHECKED: EMA	DATE: 02.06.14	
PROJECT No: J 00 3646	SCALE: 1:75	
SHEET SIZE: A1 841 x 594	DWG No: 1	1