

REVISE CEMS LOCATION
PER SITE GA

SPECIFICATIONS

INLET CHAMBER W/STRAIGHTENING VANES

1/2" THK. A-36 WELDED CONSTRUCTION W/ 2" THK. MINERAL WOOL & 1" CERAMIC FIBER LINING W/409SS INTERNAL LINER (SOLID SHEET FLOOR, EXPANDED SHEET WALLS) A-36 STIFFENERS, SHOP MOUNTED ON SKID.

STACK

1/4"-1/2" THK. (GRADUATED) A-36 WELDED CONSTRUCTION W/ 2" THK. MINERAL WOOL & 1" CERAMIC FIBER LINING W/409SS INTERNAL LINER (SOLID SHEET FLOOR, EXPANDED SHEET WALLS) AND A-36 STIFFENERS. STACK FURNISHED W/TEST PORT ACCESS PLATFORM & CAGED LADDER

SKID:

C6 x 10.5# A36 CONSTRUCTION

CO & NOx CATALYST HOUSING

1/2" THK. A-36 WELDED CONSTRUCTION W/2" THK. MINERAL WOOL & 1" CERAMIC FIBER LINING W/409SS INTERNAL LINER (SOLID SHEET FLOOR, & WALLS) A-36 STIFFENERS. CATALYST ACCESS PANELS & MANWAY

AMMONIA MIXING CHAMBER

1/2" THK. A-36 WELDED CONSTRUCTION W/2" THK. MINERAL WOOL & 1" CERAMIC FIBER LINING W/409SS INTERNAL LINER (SOLID SHEET FLOOR, & WALLS) A-36 STIFFENERS. CATALYST ACCESS PANELS & MANWAY

CATALYST

HALDOR TOPSOE TI/V NOx REDUCTION CATALYST 24 MODULES.
JOHNSON MATTHEY, 200 CELL CO REDUCTION CATALYST 121 BLOCKS.

EXPANSION JOINT

10 GA. 304 SS CONSTRUCTION W/FLANGED CONNECTIONS

TRANSITIONS

1/2" A-36 CONSTRUCTION W/2" THK MINERAL WOOL & 1" CERAMIC FIBER LINING W/409SS INTERNAL LINER (SOLID SHEET FLOOR, & WALLS. AND EXPANDED SHEET WALLS ONLY ON STACK INLET) A-36 STIFFENERS

CONTROL PANEL (REMOTE):

NEMA 12, PRE-WIRED W/VFD'S 3 PH/60HZ/460V

SUB PANEL (ON SKID):

NEMA 4, PRE-WIRED TO SKID COMPONENTS, TERMINAL STRIPS FOR FIELD WIRING

COOLING FANS (QTY 2)

IAP MODEL ASW 330, ARR. 8, CLASS III. W/50 HP TEFC MOTOR.

PURGE FANS (QTY 2)

IAP MODEL, BSW 122, 2,780 ACFM @ 3.25" (COLD) S.P.
W/7.5 HP MOTOR. HI-TEMP DESIGN

INJECTION FANS (QTY 2)

IAP MODEL, 11P, 3,200 ACFM @ 14" (COLD) S.P. / 8" (HOT 850°F) S.P.
W/ 7.5 HP MOTOR. HI TEMP DESIGN

SILENCERS (QTY 2)

PRIMARY: VERTICAL BAFFLES 14' LONG 409 PERF. CONSTRUCTION W/BASALT

SECONDARY: VERTICAL BAFFLES 14' LONG 409 PERF. CONSTRUCTION W/BASALT

NOTES:

1. UNIT TO BE SHIPPED AS PER DRAWINGS # D3170 & D3171
2. CATALYST TO BE INSTALLED IN FIELD BY OTHERS
3. T.E.I. TO PROVIDE ALL HARDWARE & GASKETS FOR FIELD INSTALLATION BY OTHERS
4. UNIT TO BE PAINTED MUNSELL N-7 GRAY ENAMEL. PLATFORM & LADDER TO BE PAINTED SAFETY YELLOW
5. ALL MANWAYS TO BE 24" WIDE x 36" HIGH.
6. CATALYST ACCESS DOOR TO BE 63 3/4" WIDE x 49 3/4" HIGH.
7. FLANGES AT SHIPPING SPLIT PRE-DRILLED FOR BOLTED CONNECTION IN-FIELD
8. BASE ANCHOR DETAIL, SEE DWG. D3103

LEFT HAND NOT
CONSISTENT w/ R/R DWGS

DRAWING REVIEW

- ☐ NO EXCEPTION TAKEN
☒ MAKE CORRECTIONS NOTED
☐ REVISE AND RESUBMIT
☐ RESUBMIT CERTIFIED

This review was performed only for general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Corrections or comments made on these drawings during review do not relieve contractor from compliance with the requirements of the Contract Documents. Approval of a specific item does not include approval of assembly of which the item is a component. Supplier is also responsible for materials and services provided by sub-suppliers compliance with the Contract Documents.

industry and energy
Associates

DATE: 4/19/08 BY: CEB

Turner EnviroLogic	
ROLLS ROYCE - TRENT SELECTIVE CATALYTIC REDUCTION SYSTEM GENERAL ARRANGEMENT - LEFT UNIT	
CHN BY: AT	SCALE: 3/16"=1'-0"
CHECKED: DAO	DATE: 03-04-08
PROJECT: 3196	DWG NO: 5701
REV: 2	

