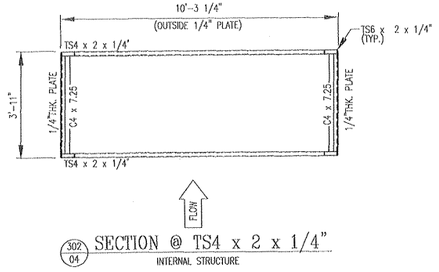
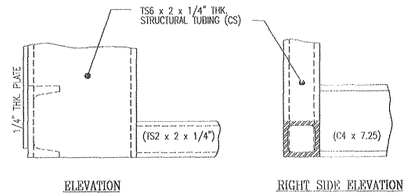


302/04 SECTION @ TS4 x 2 x 1/4"
INTERNAL STRUCTURE



302/05 DETAIL @ BOTTOM CORNER
SCALE: 3" = 1'-0"

GENERAL NOTES

REACTOR GENERAL SPECIFICATION

- ALL ITEMS TO BE PURCHASED BY FABRICATOR UNLESS NOTED OTHERWISE.
- DO NOT SANDBLAST OR PAINT NUTS, BOLTS, WASHERS AND FASTENERS; ALL NUTS, BOLTS, WASHERS AND FASTENERS MUST BE ZINC PLATED, OR APPROVED BY PEERLESS.
- GASKETS, NUTS, BOLTS, AND FASTENERS TO BE ATTACHED BEFORE SHIPPING.
- ALL TOLERANCES TO BE PER PEERLESS GENERAL MANUFACTURING SPECIFICATION CD-002.

MATERIAL SPECIFICATION

ITEM	MATERIAL
PLATE	SA36 CARBON STEEL
STRUCTURAL SHAPES	SA36 CARBON STEEL
BOLTS (INTERNAL)	SA193 B7
NUTS (INTERNAL)	SA194 2H
STUDS (INTERNAL)	SA193 B7
SEAL PLATE	SA36 CARBON STEEL
TUBING	ASTM A500 Gr. B

- MILL TEST REPORTS ARE REQUIRED FOR STRUCTURAL SHAPES, PLATE, AND PIPE.
- CERTIFICATES OF COMPLIANCE ARE REQUIRED FOR NUTS, BOLTS, WASHERS, ETC...

WELDING SPECIFICATION

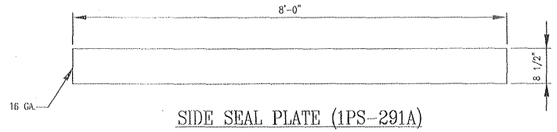
- USE AWS D1.1 FOR ALL STRUCTURAL STEEL WELDING.
- TYPICAL WELD IS 1/4" FILLET UNLESS NOTED OTHERWISE.
- TYPICAL PLATE SPLICES TO BE FULL PENETRATION WELD AND GROUND FLAT IF NECESSARY UNLESS NOTED OTHERWISE.
- ALL TEMPORARY LUGS MUST BE REMOVED, THE AREA CLEANED, SLAG REMOVED, AND STRIKES CLEANED.

SHIPPING

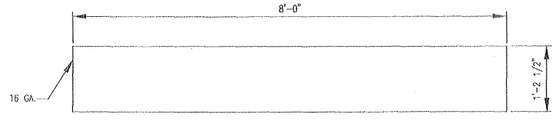
- ALL ITEMS ARE TO BE SUFFICIENTLY BRACED FOR SHIPPING TO ELIMINATE BENDING, DISTORTION OR BREAKING.
- ALL SHIPPING BRACES AND TEMPORARY ITEMS MUST BE PAINTED YELLOW

ABBREVIATIONS

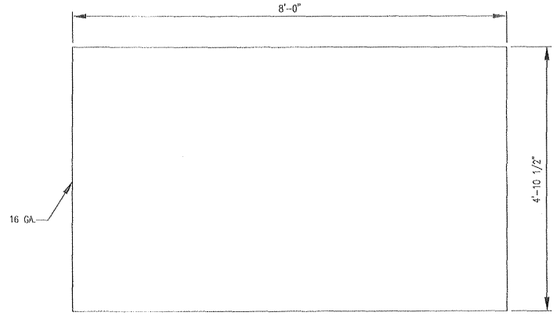
CONN	--	CONNECTION
OPP	--	OPPOSITE
ELEV	--	ELEVATION
NTS	--	NOT TO SCALE
℄	--	CENTERLINE
PLC	--	PLACE
PLC'S	--	PLACES
SCH	--	SCHEDULE
TYP	--	TYPICAL
I.L.	--	INSIDE LINER
ID	--	INSIDE DIAMETER
OD	--	OUTSIDE DIAMETER
WTH	--	WIDTH
LG	--	LENGTH
THK	--	THICK OR THICKNESS
FS	--	FAR SIDE
NS	--	NEAR SIDE
UNO	--	UNLESS NOTED OTHERWISE
PL	--	PLATE
WD	--	WIDE
NIP	--	NIPPLE
TOE	--	THREAD ONE END
POE	--	PLAIN ONE END
SQ	--	SQUARE



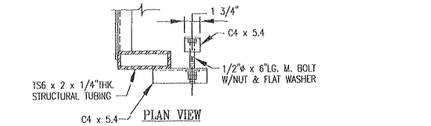
SIDE SEAL PLATE (1PS-291A)
SCALE: 3/4" = 1'-0"
SIXTEEN (16) REQUIRED

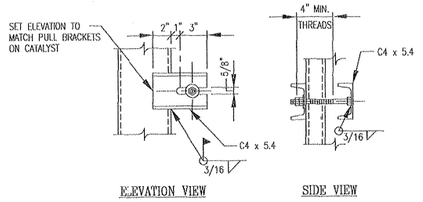


TOP SEAL PLATE (1PS-291C)
SCALE: 3/4" = 1'-0"
FOUR (4) REQUIRED

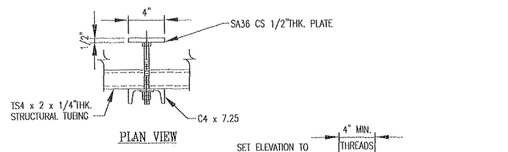


BOTTOM SEAL PLATE (1PS-291B)
SCALE: 3/4" = 1'-0"
FOUR (4) REQUIRED

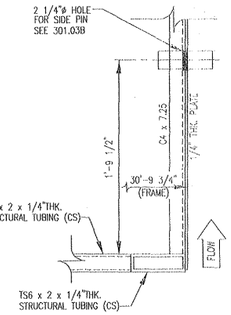




302/06 SIDE CATALYST PULL MECHANISM (1PM-291A)
SCALE: 1 1/2" = 1'-0"
(120 REQ'D)
(NOTE 3)



302/06 MIDDLE CATALYST PULL MECHANISM (1PM-291B)
SCALE: 1 1/2" = 1'-0"
(27 REQ'D)
(NOTE 3)



302/07 SECTION SHOWING HOLE FOR SIDE PIN
SCALE: 1 1/2" = 1'-0"
(TYP. 8 PLC'S.)

NOTES:

1. STRUCTURAL TO BE FABRICATED PER AWS D1.1.
2. MIN'S REQUIRED ON STRUCTURAL STEEL.
3. CATALYST PULL MECHANISMS TO BE SHIPPED LOOSE FOR FIELD INSTALLATION.
4. TWO (2) UNITS ARE REQUIRED. UNIT #1 IS SHOWN.
   TAGGING SYSTEM:
   UNIT #1 HAS THE PREFIX 1
   UNIT #2 HAS THE PREFIX 2

MBM

UTILITY ENGINEERING

Review does not relieve contractor from responsibility for errors or deviations from contract requirements

- ☐ RETURNED FOR CORRECTION — Do not proceed — Revise and resubmit for authorization
- ☐ EXCEPTIONS NOTED — Release for manufacture — Revise and resubmit for distribution
- ☒ NO EXCEPTIONS NOTED — Release for manufacture

M010322-541A004 RA
JEA BRANDY BRANCH
8/5/2002

NOOTER/ERIKSEN INC.
VENDOR SUBMITTAL REVIEW

REVIEW OF VENDOR DRAWINGS DOES NOT RELIEVE THE VENDOR OF RESPONSIBILITIES FOR ACCURACY OF DIMENSIONS AND COMPLIANCE TO CODES, NOOTER ERIKSEN SPECIFICATIONS AND P.O. REQUIREMENTS

- ☒ A | REVIEWED AND ACCEPTED
- ☐ B | REVIEWED WITH COMMENTS (WORK MAY PROCEED)
- ☐ C | REVISE AND RESUBMIT (WORK MAY NOT PROCEED)
- ☐ D | REVIEWED FOR INFORMATION ONLY

RELEASE DATE: 7-29-02 REVIEWERS INITIALS: JK RF

PROJECT: JEA BRANDY	JOB NO CODE SHT	REV	FE
DRAWING NO.	014139-SC-308	A	X

REV	DESCRIPTION	CK	BY	DATE
0	A. INITIAL ISSUE.		FM	06/27/02

PEERLESS MFG. CO.
2819 WALNUT HILL LANE
DALLAS, TEXAS 75229
(214) 357-6181

CUST: NOOTER/ERIKSEN, INC.
PROJ: JEA BRANDY
LOCATION: BALDWIN, FL

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SCALE: 3/8"=1'-0" | DATE: 06/27/02 | P.O. NO: 17457

TITLE: INTERNAL STRUCTURE FABRICATION DETAIL | QTY. 2

DRN BY: FM | CHK'D: | P.E.: | REV. 0

SO NO 70291D — DOC NO D2000302