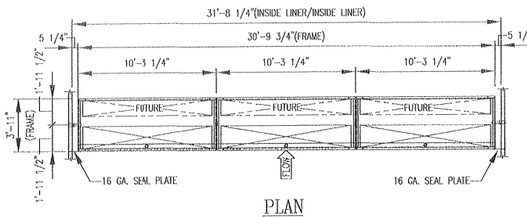
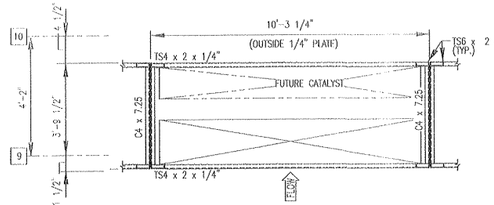


PLAN



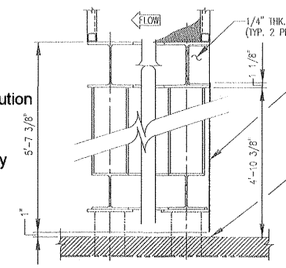
SECTION "A-A"

INTERNAL STRUCTURE
SCALE: 3/8" = 1'-0"

NO EXCEPTIONS NOTED
Release for manufacture

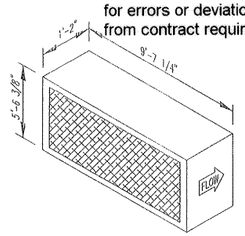
EXCEPTIONS NOTED
Release for manufacture
Revise and resubmit for distribution

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



SECTION "B-B"

SCALE: NTS



BASE CATALYST MODULE

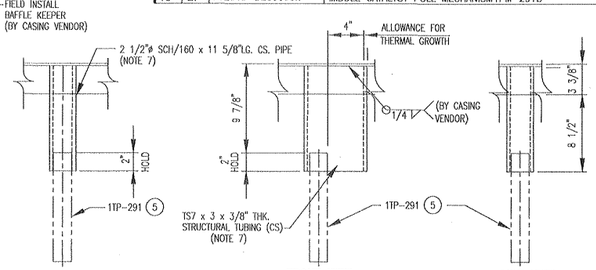
THIRTY (30) MODULES BY OTHERS;
WEIGHT 1,900 LBS. EACH
NOT TO SCALE

ITEM	QTY	PART NO	DESCRIPTION
1	1	70291D-D2000301	INTERNAL STRUCTURE BAY (LEFT) 1IS-291A
2	1	70291D-D2000301	INTERNAL STRUCTURE BAY (MIDDLE) 1IS-291B
3	1	70291D-D2000301	INTERNAL STRUCTURE BAY (RIGHT) 1IS-291C
4	16	70291D-D2000302	SIDE SEAL PLATE 1PS-291A
5	3	70291D-D2000301	TOP PINS 1TP-291
6	8	70291D-D2000301	SIDE PINS 1SP-291
7	120	70291D-D2000302	SIDE CATALYST PULL MECHANISM 1PM-291A
8	4	70291D-D2000302	BOTTOM SEAL PLATE 1PS-291B
9	4	70291D-D2000302	TOP SEAL PLATE 1PS-291C
10	27	70291D-D2000302	MIDDLE CATALYST PULL MECHANISM 1PM-291B

BILL OF MATERIAL

UTILITY ENGINEERING

MRM

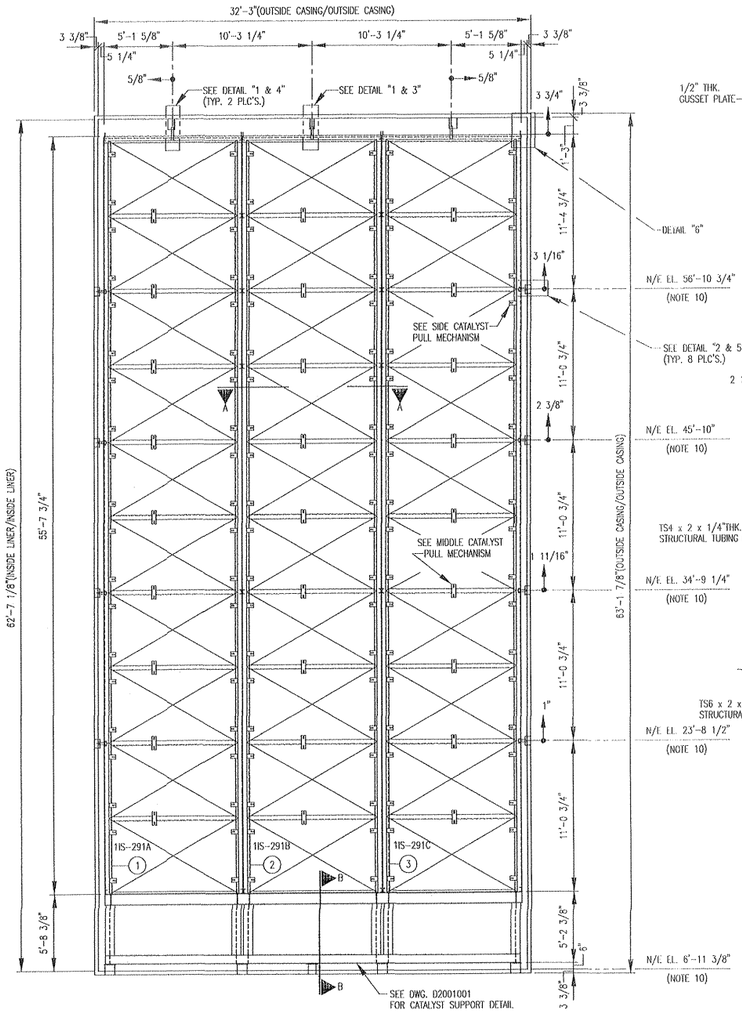


DETAIL "3"

SCALE: 1 1/2" = 1'-0"
ONE (1) PIN RECEIVER REQ'D

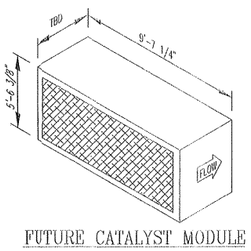
DETAIL "4"

SCALE: 1 1/2" = 1'-0"
TWO (2) PIN RECEIVERS REQ'D
ONE AS SHOWN, ONE OPP. HAND



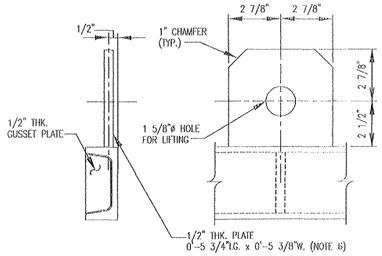
ELEVATION

SEAL PLATE NOT SHOWN FOR CLARITY



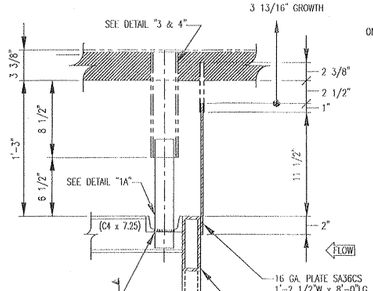
FUTURE CATALYST MODULE

THIRTY (30) MODULES BY OTHERS;
WEIGHT TBD LBS. EACH
NOT TO SCALE



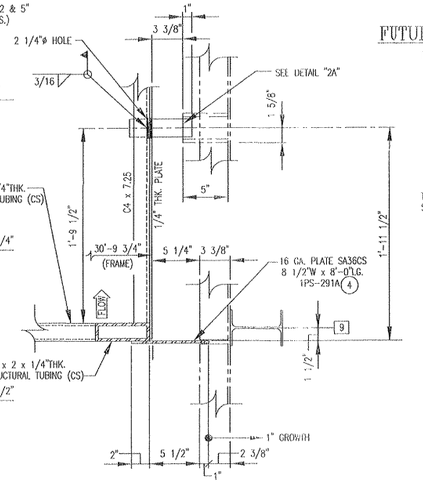
DETAIL "6"

(TYP. 6 PLC'S.)
SCALE: 3" = 1'-0"



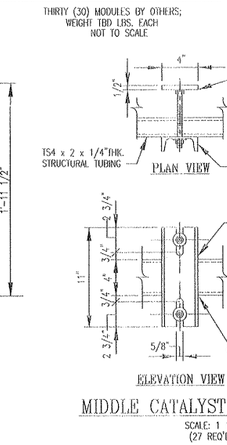
DETAIL "1"

SCALE: 1 1/2" = 1'-0"



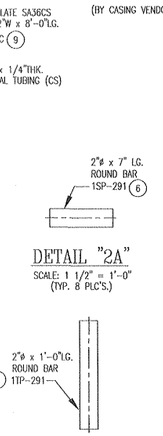
DETAIL "2"

(TYP. 8 PLC'S.)
SCALE: 1 1/2" = 1'-0"



MIDDLE CATALYST PULL MECHANISM

SCALE: 1 1/2" = 1'-0"
(27 REQ'D) 1PM-291B (10)

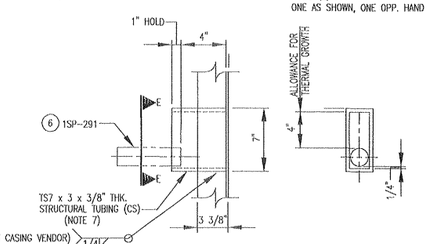


DETAIL "2A"

SCALE: 1 1/2" = 1'-0"
(TYP. 8 PLC'S.)

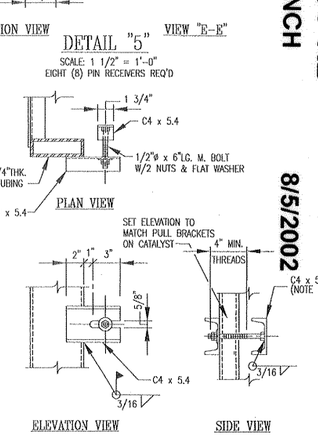
DETAIL "1A"

SCALE: 1 1/2" = 1'-0"
(TYP. 3 PLC'S.)



DETAIL "5"

SCALE: 1 1/2" = 1'-0"
EIGHT (8) PIN RECEIVERS REQ'D



SIDE CATALYST PULL MECHANISM

SCALE: 1 1/2" = 1'-0"
(120 REQ'D) 1PM-291A (7)

RETURNED FOR CORRECTION
Do not proceed
Revise and resubmit for authorization

8/5/2002

M010322-541M004 RB

JEA BRANDY BRANCH

NOTES:

1. STRUCTURAL TO BE FABRICATED PER AWS D1.1.
2. WEIGHT OF INTERNAL STRUCTURE W/OUT CATALYST MODULES: 45,000 LBS.
   WEIGHT OF BASE CATALYST MODULES (1,900 LBS EACH): 57,000 LBS.
   WEIGHT OF INTERNAL STRUCTURE W/BASE CATALYST MODULES: 102,000 LBS.
   WEIGHT OF INTERNAL STRUCTURE W/BASE & FUTURE CATALYST MODULES: TBD LBS.
3. MTR'S REQUIRED ON STRUCTURAL STEEL.
4. INTERNAL STRUCTURE DESIGNED BY PMC, FABRICATED BY N/E.
5. THE MECHANISMS, ACTING AS ANCHORS, ARE TO BE ALIGNED WITH CLIPS ON THE CATALYST MODULE FACE. FIELD MODIFICATION TO BRACKETS MAY BE NECESSARY TO CLEAR BRACING IN CATALYST MODULES. THIS WOULD REQUIRE THE CUTTING OF THE C-CHANNEL WEBBING.
6. LIFTING LUGS TO BE PAINTED YELLOW AND REMOVED AFTER ITEM IS INSTALLED.
7. SUPPLIED BY CASING VENDOR.
8. DESIGN TEMP. =750°F
9. UNIT #1 SHOWN; TWO (2) UNITS ARE REQUIRED.
   TAGGING SYSTEM:
   UNIT #1 HAS THE PREFIX 1
   UNIT #2 HAS THE PREFIX 2
10. N/E ELEVATION TO BE USED AS REFERENCE ONLY.

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

X	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-301	B	X

REV	DESCRIPTION	CK	BY	DATE
C	REVISED SEAL PLATE 1PS-291A DIMENSION. B. ADDED NOTE #10. A. ADDED N/E REFERENCE ELEVATIONS.		KP	07/01/02
0	A. INITIAL ISSUE.		FM	05/31/02

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

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

SCALE: 3/16"=1'-0" | DATE: 05/28/02 | P.O. NO: 17457

TITLE: INTERNAL STRUCTURE GENERAL ARRANGEMENT | QTY. 2

DRN BY: FM | CHK'D: | P.E.: | REV. 1

SO NO 70291D — DOC NO D2000201

IS REV 2 7/11/00