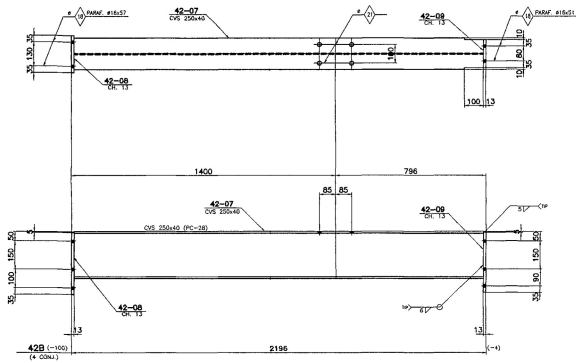
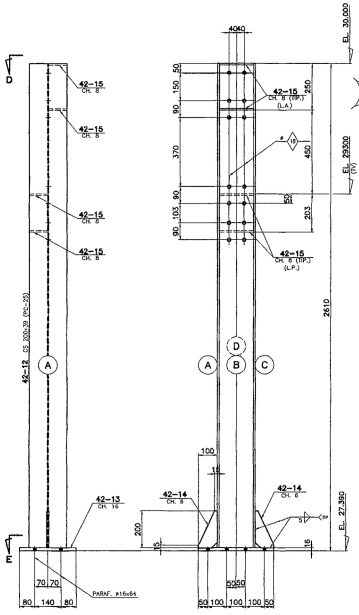
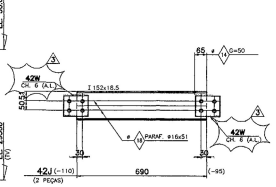
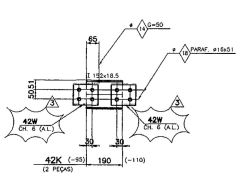
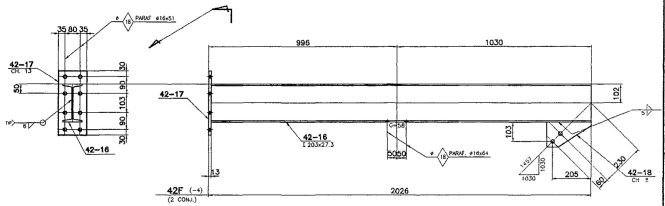


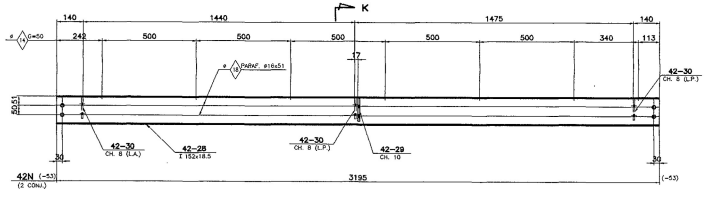


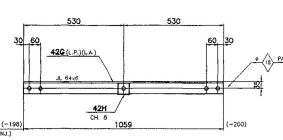


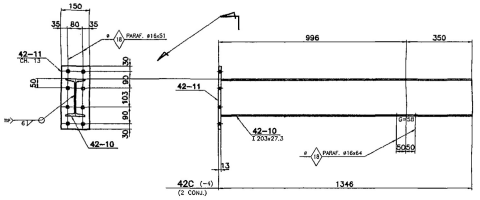


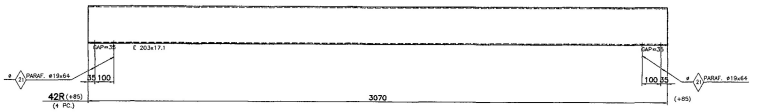


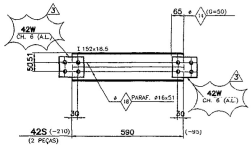




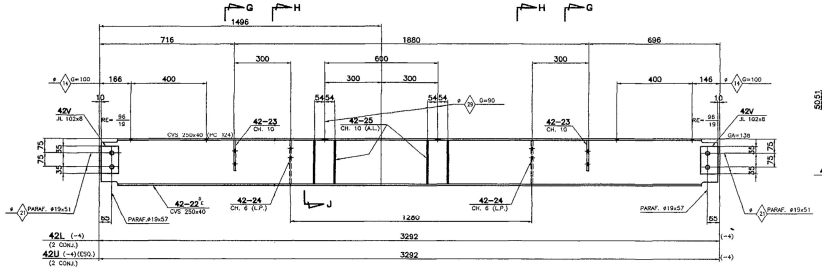


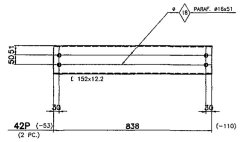


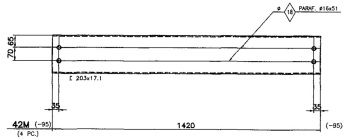


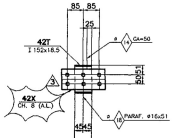


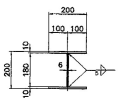
4—COLUNA 42D
MARQUE FACE (B) NORTE

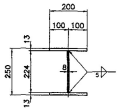









CS 200x39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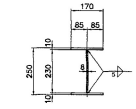
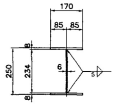
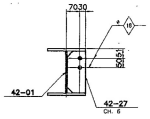
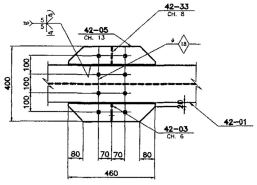
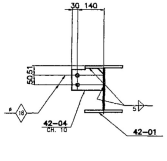

CVS 250x40


CVS 250x33


CORTE L


VISTA A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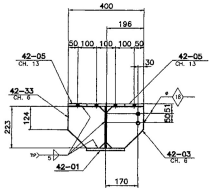
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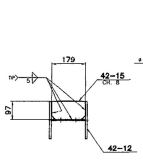
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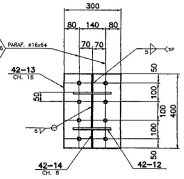
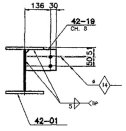

CORTE E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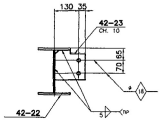
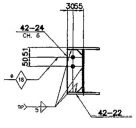

CORTE G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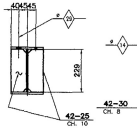
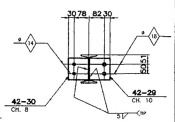

CORTE J


CORTE K

SETAL Engenharia Construções e Perfurações S/
Registro de Controle de Fabricantes
Nº 4480 - 880

RELAÇÃO DE PARAFUSOS PORCAS E ARRUELAS

TIPO	DESCRICAO	MAT.	PARAFUSOS OFICINA	PARAFUSOS OBRA	PORCAS OFICINA	PORCAS OBRA	AR.LISA OFICINA	AR.LISA OBRA	AR.CHANFRADA OFICINA	AR.CHANFRADA OBRA
CS	ø 16x51	A-325	20	–	20	–	20	–	–	–
CS	ø 19x57	A-325	10	–	10	–	10	–	–	–

NOTAS:
1—PARA NOTAS GERAIS VER DESENHO 41M.
2—PARA MONTAGEM VER DESENHO 41M.

CERTIFIED ACCEPTED BY SETAL

ICEC INDUSTRIA DE CONSTRUÇÃO LTDA
DESENHO CERTIFICADO
DATA: 20/04/2001
ENG. RESPONSÁVEL: ANTONIO C. ESCADURA

REV.	DESCRIÇÃO	DATA	VISTO
4	ACRESCENTADO Nº PETROBEL	30/05/01	J.P.
3	ELIMINADO MARCA 42D1 (DIAGONAL) E ONDE INDICADO	30/05/01	J.P.
2	PARA CERTIFICADO	27/04/01	J.P.
1	SUBSTITUIÇÃO DA MARCA 42-25 PARA 42V	20/04/01	J.P.
0	EMISSÃO INICIAL	02/04/01	J.P.

ESTE DESENHO É PROPRIEDADE DA I C E C INDÚSTRIA DE CONSTRUÇÃO LTDA NÃO PODE SER USADO, CEDIDO OU COPIADO EM TODO OU EM PARTE FORA DOS TERMOS CONTRATUAIS

Nº PETROBRAS
DE-4150.SD-1230-M0-E66-G72A

ICEC INDUSTRIA DE CONSTRUÇÃO LTDA

CLIENTE: TOYO SETAL DO BRASIL LTDA.
USUÁRIO: TRANSPETRO/DTSE/GEMAC
PETRÓLEO BRASILEIRO S.A. PETROBRAS

PROGRAMA: CABIUNAS GAS PROCESSING AND TRANSFER PROJECT
UNIDADE: NGL RECOVERY (U-206)
TÍTULO: METÁLICA — P-20606/20607
VIGAS E COLUNAS — DETALHAMENTO

Certificamos que todas as informações contidas neste documento estão corretas e verificadas.

STATUS
0. Aprovado sem comentários
2. Aprovado, atender comentários
3. Não aprovado, atender coment.

COORDENADOR DE PROJETOS				VERIFICADOR			
Revisão	3	1	2	Revisão	3	1	2
Data	30/05/01	30/04/01	27/04/01	Data	30/05/01	30/04/01	27/04/01
Responsável	C.A.R.	C.A.R.	C.A.R.	Responsável	A.C.E.	A.C.E.	A.C.E.

projetos
OBRA Nº835
DESENHO No. 8|3|5|-|0|0|4|2|F
ESC. S/ESC. REV. 4

DESENHO GERADO EM SISTEMA CAD — OBS.: REVISAR O MEIO ELETRÔNICO