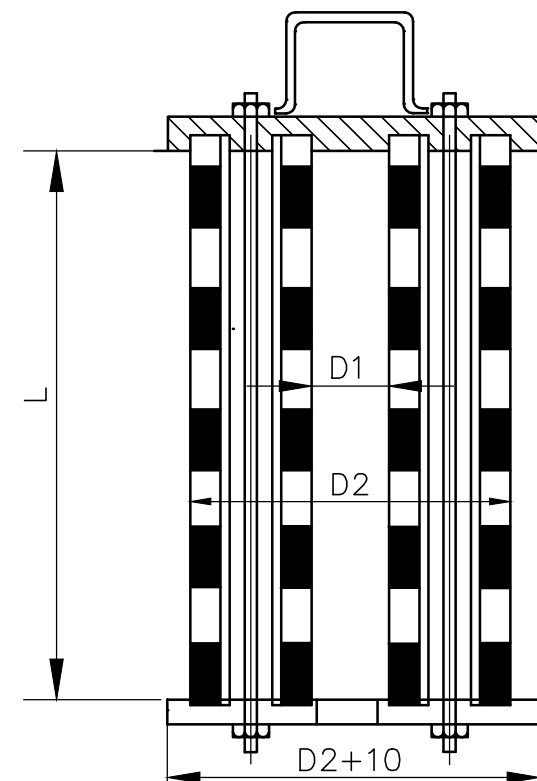
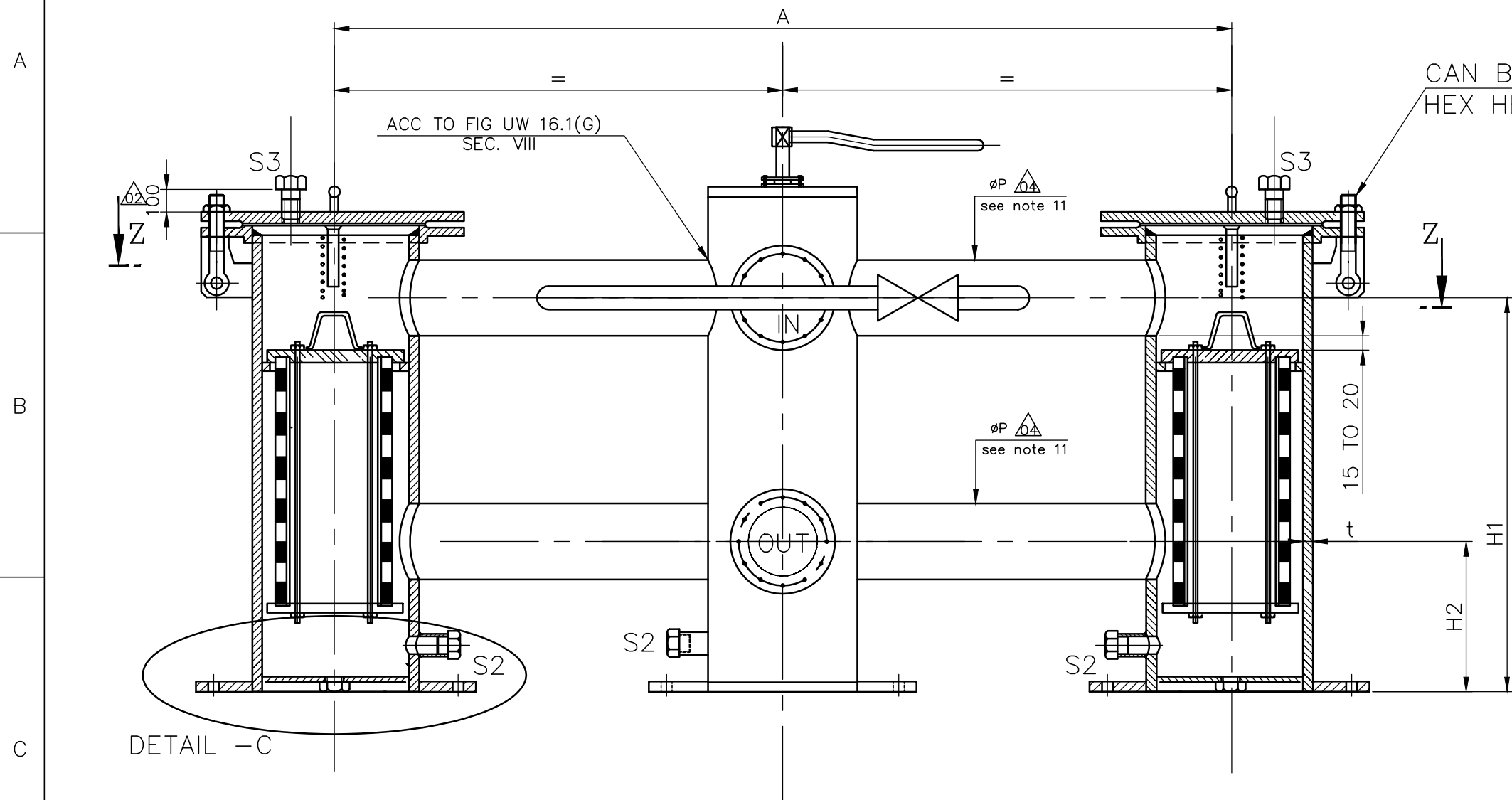


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DRAWING NO.

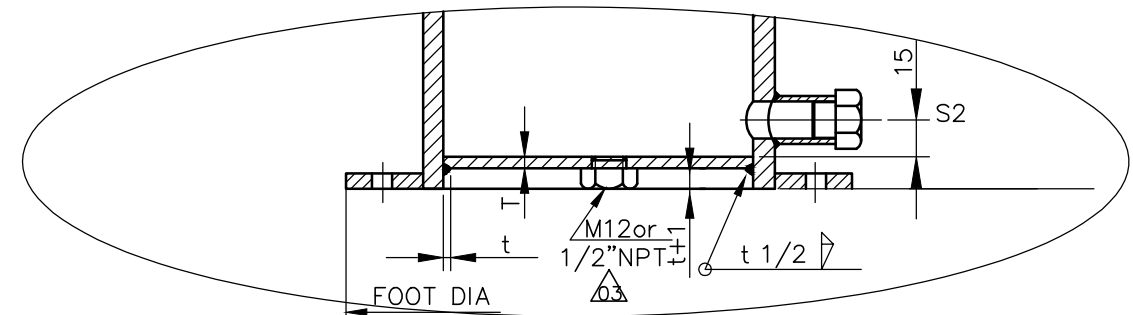
FOR TOLERANCES OF UNTOLERANCED
DIMENSIONS DURING MANUFACTURE
REFER PLANT STD. NO TP 023 0299



SUGGESTED BASKET ASSEMBLY

FLANGE DIA	NOZZLE/COVER									
	TO ANSI		B16.5 CL 150 LBS							
NOMINAL SIZE	40	50	80	100	150	200	250	300	350	400
FLANGE DIA	125	150	190	230	280	345	405	485	535	595
THICKNESS T	17.5	19.1	23.9	23.9	25.4	28.6	30.2	31.8	35.0	36.6
RASIED FACE OD	65	78	108	135	192	246	305	365	400	457
PCD	98.4	120.7	152.4	190.5	241.3	298.5	362.0	431.8	476.3	539.8
NO.OF BOLTS N	4	4	4	8	8	8	12	12	12	16
BOLT HOLE DIA	15.9	19.05	19.05	19.05	22.2	22.2	25.4	25.4	28.57	28.57

DETAIL -C



DESIGN & FABRICATION

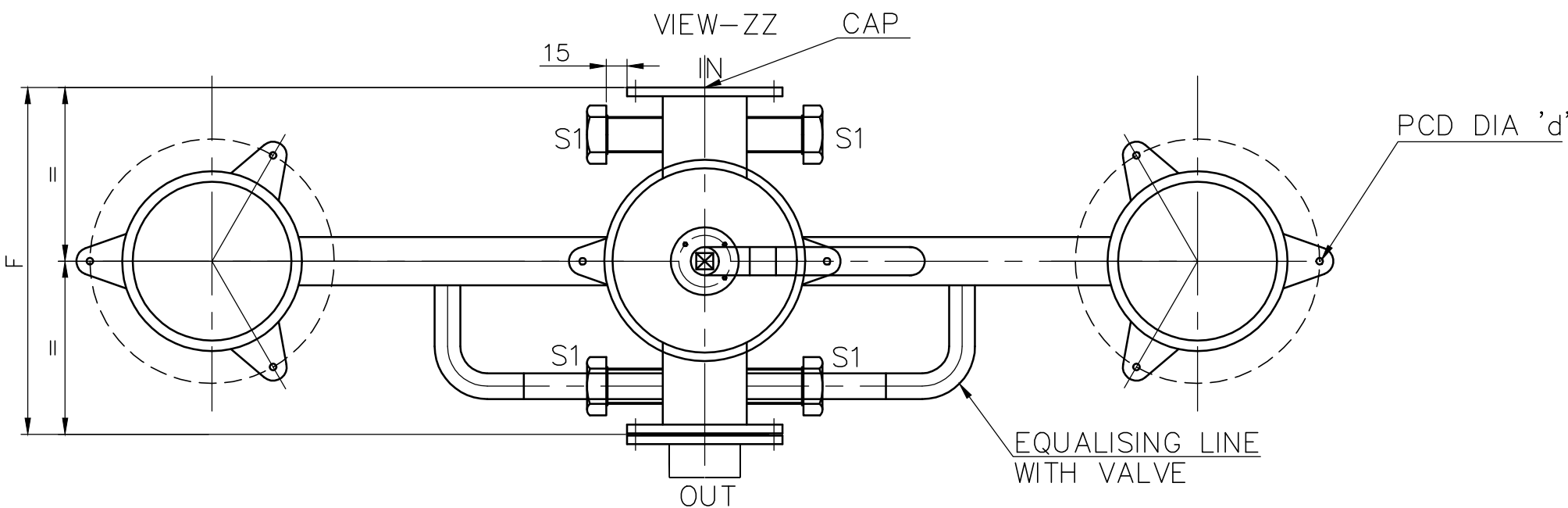
ASME SEC.VIII & XI
(FINAL INSPECTION & VERIFICATION OF SHOP RECORDS
FOR STAGE INSPECTION BY THIRD PARTY)

MATERIALS (OR EQVT)

- FILTER MESH - AISI 316/304/321 ~ 35% FREE OPENING
- SUPPORT SHEET - AISI 316/304/321 ~ 60% FREE OPENING
- PIPES - SA210GRA1 ; SA106GR.B
- FLANGES & COVERS - SA181GR1 ; SA105; IS2062
- PLATES & SHEETS - SA299 ; SA515GR70 ;SA516GR70 ; IS2062
- SPRING - SPRING STEEL EN42
- BOLTS & NUTS - SA193GRB7 & SA194GR2H GALVANISED IS1363 GR8.8 OR HIGHER
- GASKETS - NON ASBESTOS TYPE GASKETS (WITH APPROPRIATE THICKNESS) SUITABLE FOR FUEL OIL APPLICATION

NOTES

- MATING FACES OF BASKET TOP PLATE SHALL BE FLAT AND FINE MACHINED.
- BASKET SHALL BE OF STURDIER CONSTRUCTION.
- PAINT EPOXY BLUE OVER RED PRIMER ON OUTSIDE & EPOXY WHITE OVER RED PRIMER ON INSIDE SURFACES.
- RIVET NAME TAGS ON NOZZLE & STUBS
- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE NOTED.
- THE NET FREE FLOW AREA OF FILTER ELEMENT SHALL BE ATLEAST SIX TIMES THE SPECIFIED LINE SIZE, PER SECTION.
- THE CHANGE OVER COCK ARRANGEMENT IS FOR REFERENCE ONLY.
- STUB LENGTH SHALL BE 100MM
- VENDOR SHALL ENSURE SMOOTH OPERATION OF SIX PORT COCK VALVE AND PROVIDE APPROPRIATE GEAR UNIT / LEVER FOR EASE OF OPERATION
- THIS DRAWING SHALL BE REFERRED FOR DIMENSIONAL ARRANGEMENT ONLY THE RESPONSIBILITY OF DESIGN & PROPER FUNCTIONING OF THE STRAINER LIES WITH THE VENDOR.
- THE INTER CONNECTING PIPE DIAMETER (ØP) SHALL NOT BE LESS THAN THE INLET PIPE SIZE.



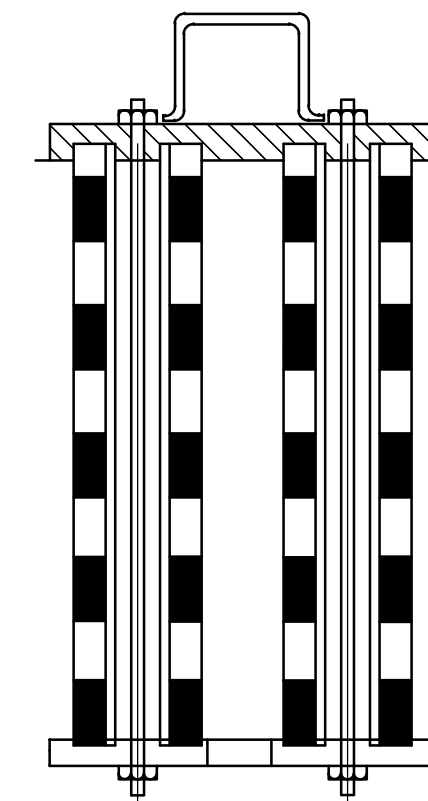
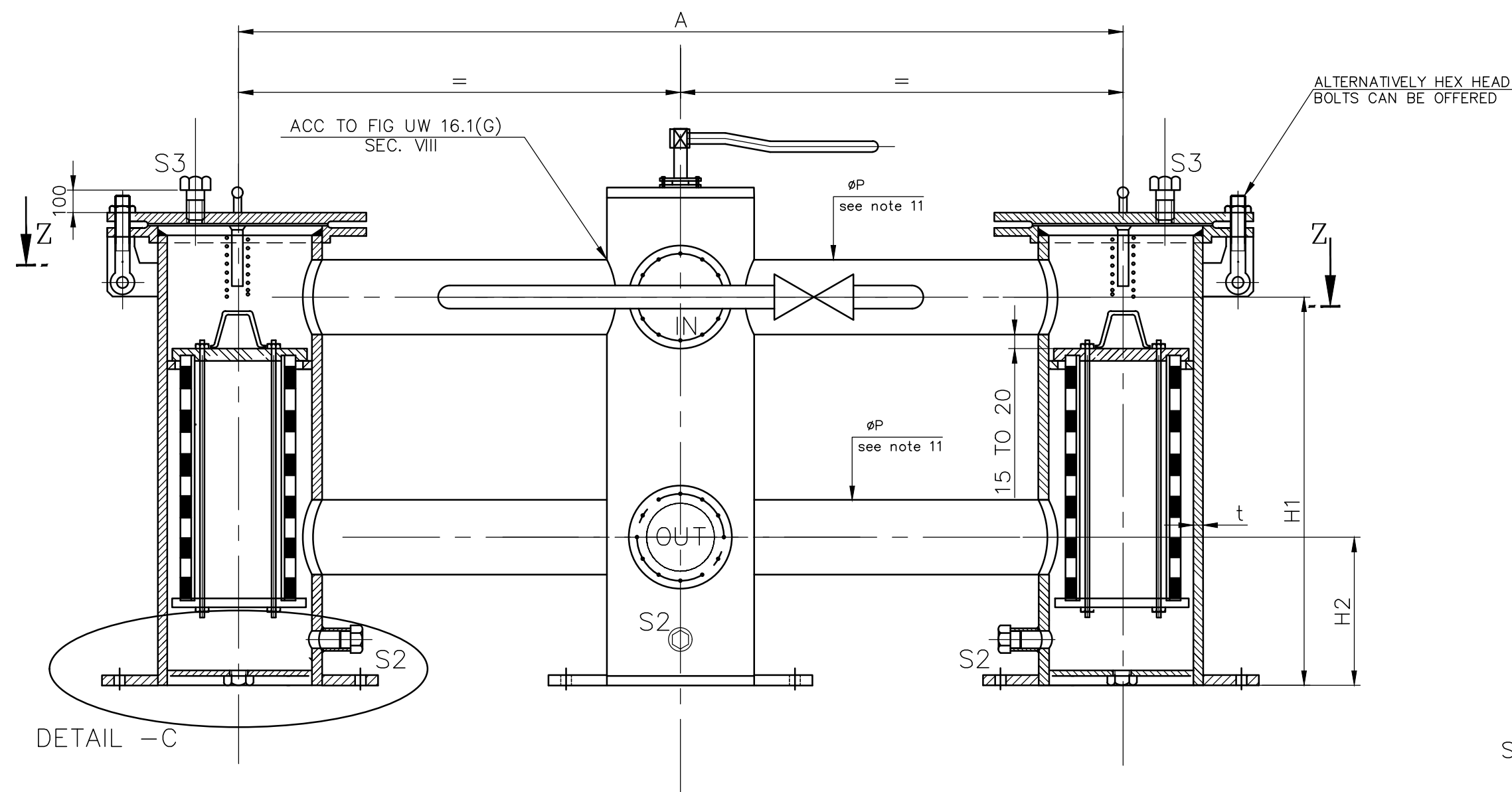
PERFORMANCE DATA	
FLOW MAXIMUM LIT/MIN	NB50 65
	NB80 140
	NB100 275
	NB150 575
	NB200 1000
	NB250 1600
	NB300 2300
	NB350 2670
	NB400 3420
VISCOSITY CST	20
SP.GRAVITY	0.83
FILTRATION MICRONS	250
Δ P CLEAN BASKET	0.1
Δ P 50% CLOGGED	0.35
DESIGN PR. OIL SIDE	6
TEST PR. OIL SIDE	9
PR.&ΔP IN KG / SQ .CM	

OVERALL DIMENSIONS

NB	BODY				BASKET			NOZZLE		FOOT		
	INCH	SCH	F	A	D1	D2	L	H1	H2	DIA	PCD	d
50	6	40	400	950	60	120	300	500	200	280	250	14
80	12	40	800	1100	120	240	300	500	250	450	420	18
100	12	40	800	1100	120	240	400	600	250	450	420	18
150	18	40	1000	1400	120	360	400	600	300	580	550	18
200	18	40	1000	1400	180	360	600	800	300	580	550	18
250	24	40	1200	1800	240	480	600	1000	400	750	720	22
300	24	40	1200	2000	240	480	800	1000	400	750	720	22
350	30	40	1600	2000	300	600	800	1200	500	910	870	22
400	30	40	1600	2200	300	600	1000	1200	500	910	870	22
ALL STUBS -21.3 OD STUB WITH M12 PLUG OR 1/2"NPT												

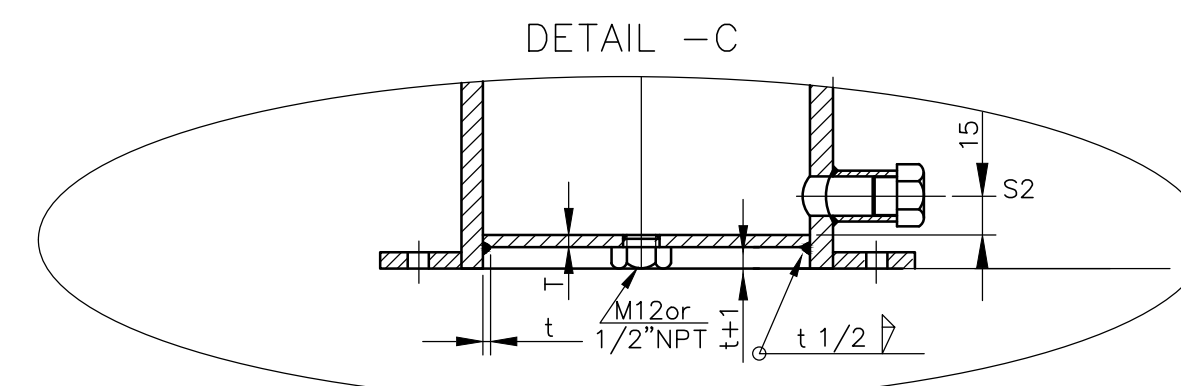
REV	DATE	ALTERED	BY	REV	DATE	ALTERED	BY
04	24.11.15	CHD & APPD:G.SARAVANA KUMAR	REVISD AS SHOWN	03	19.03.14	CHD & APPD:G.SARAVANA KUMAR	REVISD AS SHOWN
02	05.03.14	CHD & APPD:G.SARAVANA KUMAR	REVISD AS SHOWN	01	14.02.14	CHD & APPD:G.SARAVANA KUMAR	REVISD AS SHOWN

Bharat Heavy Electricals Ltd UNIT: HIGH PRESSURE BOILER PLANT TIRUCHIRAPALLI - 620014		DRN CHD APPD	NAME VIKAS SETHI G. SARAVANA KUMAR M.THANDAPANI	SIGNATURE -sd- -sd- -sd-	DATE 28.03.2013 28.03.2013 28.03.2013
DEPT CODE	355-055 ALL DIMENSIONS ARE IN MM	PROJECTION SCALE NTS	WEIGHT (Kg)	REF TO ASSY / OLD DWG	
TITLE LFO SUCTION STRAINER (DUPLX BASKET)				DRAWING NO : 2-42-000-02118	REV 04



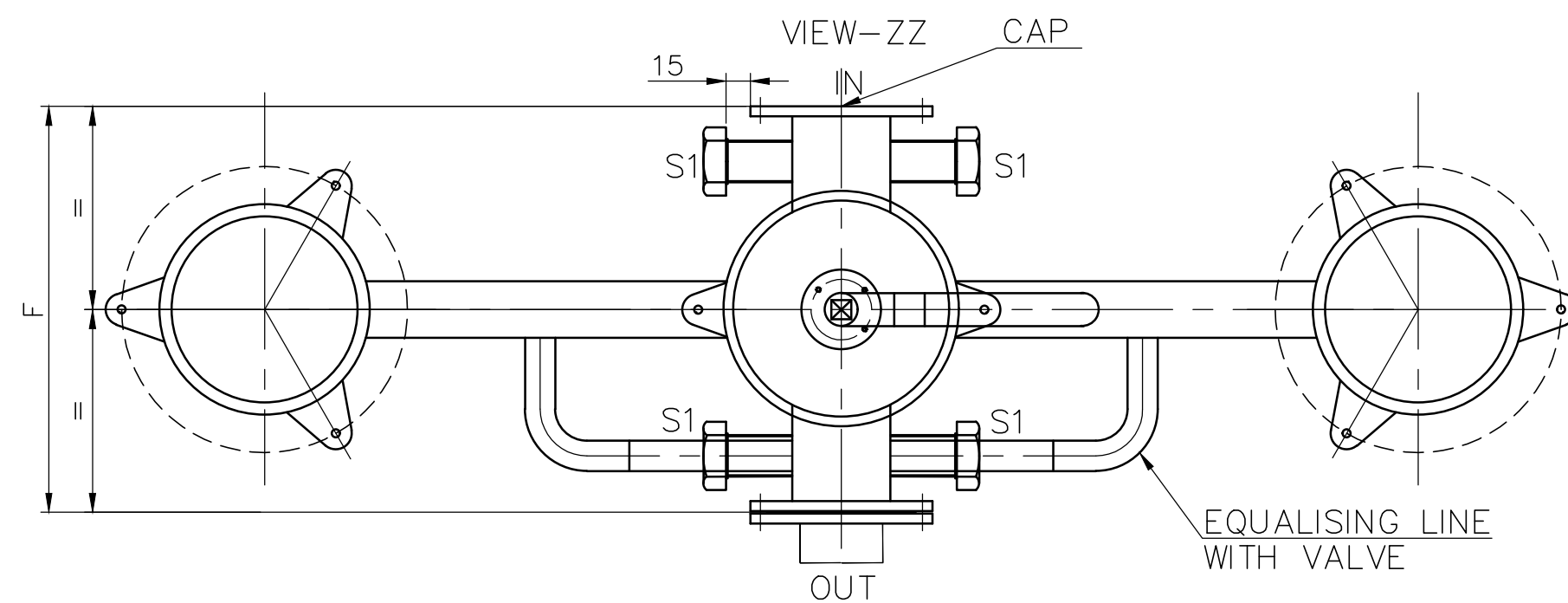
SUGGESTED BASKET ASSEMBLY

FLANGE DIA	NOZZLE / COVER					
	TO ANSI		B16.5 CL 300 LBS			
NOMINAL SIZE	50	80	100	150	200	250
FLANGE DIA	165	210	255	320	380	445
THICKNESS T	22.3	28.6	31.8	36.6	41.3	47.7
RASIED FACE OD	84	117	146	206	260	321
PCD	127	168.3	200	269.9	330.2	387
NO.OF BOLTS N	8	8	8	12	12	16
BOLT HOLE DIA	19.1	22.2	22.3	22.3	25.4	28.6



DESIGN & FABRICATION

ASME SEC.VIII & XI
(FINAL INSPECTION & VERIFICATION OF SHOP RECORDS
FOR STAGE INSPECTION BY THIRD PARTY)



OVERALL DIMENSIONS						
NB	BODY				NOZZLE	
	INCH	SCH	F	A	H1	H2
50	6	40	400	950	500	200
80	12	40	800	1100	500	250
100	12	40	800	1100	600	250
150	18	40	1000	1400	600	300
200	18	40	1000	1400	800	300
250	24	40	1200	1800	1000	400
ALL STUBS – 21.3 OD STUB WITH M12 PLUG OR 1/2"NPT						

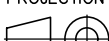
PERFORMANCE DATA		
FLOW MAXIMUM LIT/MIN	NB50	325
	NB80	715
	NB100	1400
	NB150	2875
	NB200	5000
	NB250	8000
VISCOSITY CST		20
SP.GRAVITY		0.83
FILTRATION MICRONS		250
Δ P CLEAN BASKET		0.1
Δ P 50% CLOGGED		0.3
DESIGN PR. OIL SIDE		25
TEST PR. OIL SIDE		37.5
PR.& ΔP	IN KG /	SQ. CM

MATERIALS (OR EQVT)

- FILTER MESH – AISI 316 ~ 35% FREE OPENING
SUPPORT SHEET – AISI 316 ~ 60% FREE OPENING
PIPES – SA210GRA1 ; SA106GR.B
FLANGES & COVERS – SA181GR1 ; SA105; IS2062
PLATES & SHEETS – SA299 ; SA516GR70; SA516GR70 ; IS2062
SPRING – SPRING STEEL EN42
BOLTS & NUTS – SA193GRB7 & SA194GR2H GALVANISED
IS1363 GR 8.8 OR HIGHER
GASKETS – NON ASBESTOS TYPE SPIRALWOUND GASKETS
(WITH APPROPRIATE THICKNESS
SUITABLE FOR FUEL OIL APPLICATION)

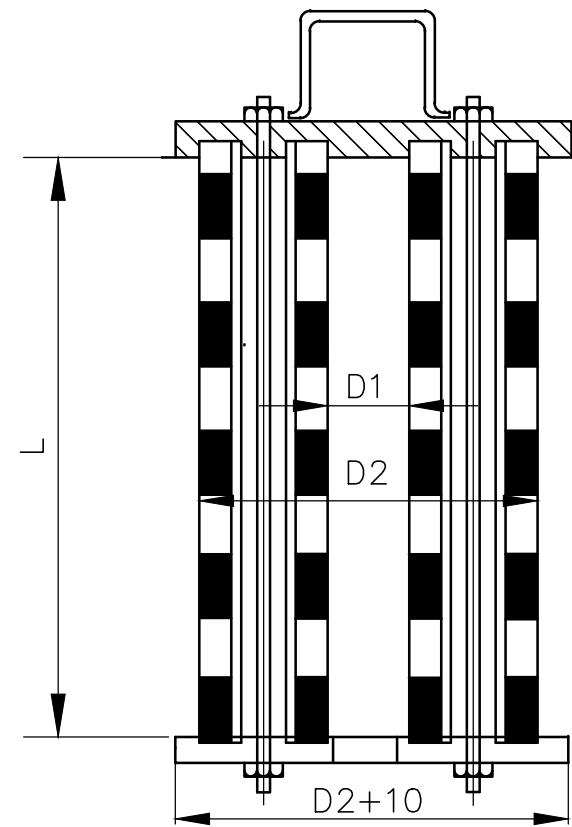
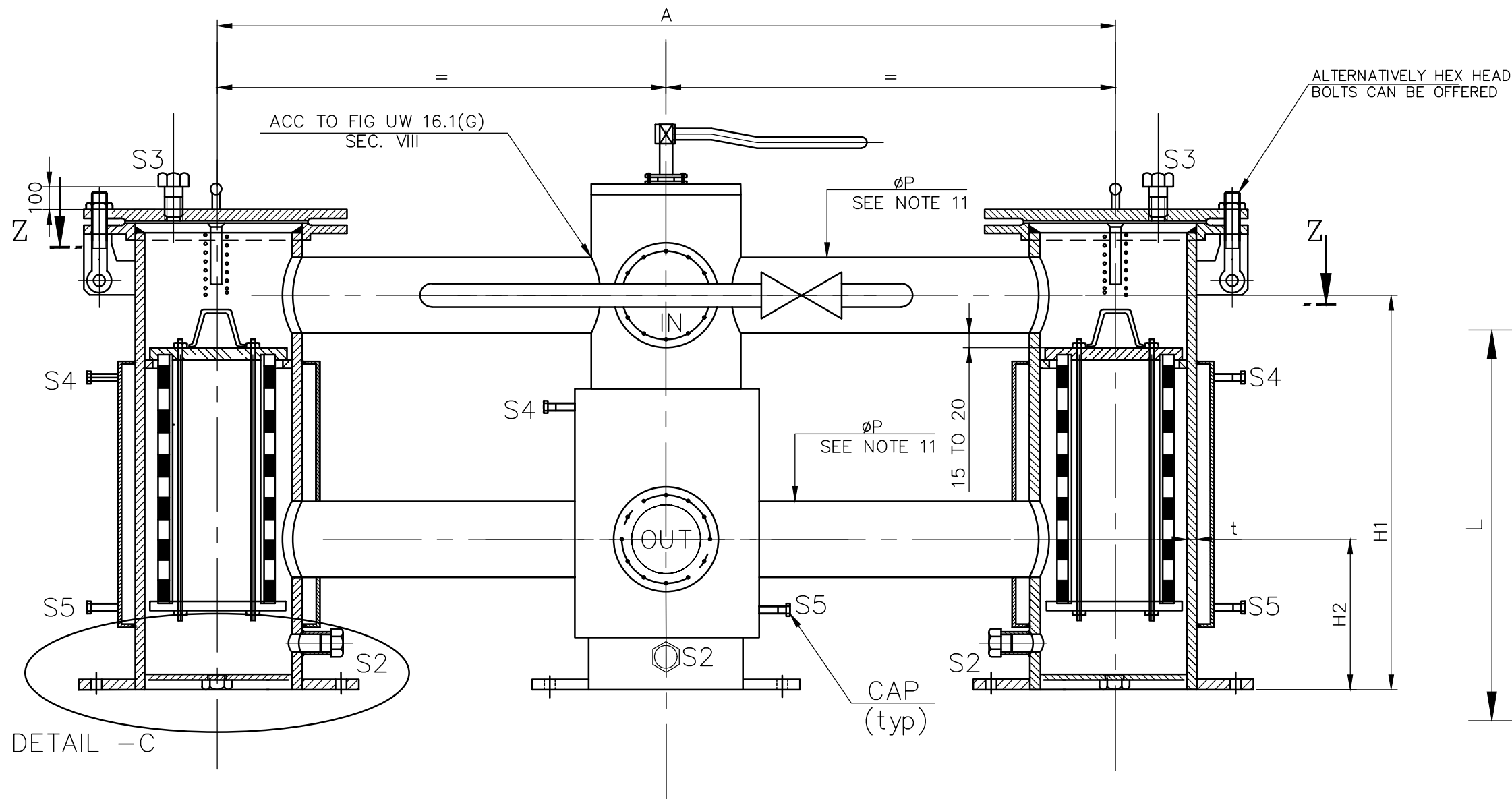
NOTES

1. MATING FACES OF BASKET TOP PLATE SHALL BE FLAT AND FINE MACHINED.
2. BASKET SHALL BE OF STURDIER CONSTRUCTION.
3. PAINT EPOXY BLUE OVER RED PRIMER ON OUTSIDE & EPOXY WHITE OVER RED PRIMER ON INSIDE SURFACES.
4. RIVET NAME TAGS ON NOZZLE & STUBS
5. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE NOTED.
6. THE NET FREE FLOW AREA OF FILTER ELEMENT SHALL BE ATLEAST SIX TIMES THE SPECIFIED LINE SIZE, PER SECTION.
7. THE CHANGE OVER COCK ARRANGEMENT IS FOR REFERENCE ONLY.
8. STUB LENGTH SHALL BE 100MM
9. VENDOR SHALL ENSURE SMOOTH OPERATION OF CHANGE OVER VALVE AND PROVIDE APPROPRIATE GEAR UNIT / LEVER FOR EASE OF OPERATION
10. THIS DRAWING SHALL BE REFERRED FOR DIMENSIONAL ARRANGEMENT ONLY THE RESPONSIBILITY OF DESIGN & PROPER FUNCTIONING OF THE STRAINER LIES WITH THE VENDOR.
11. THE INTER CONNECTING PIPE DIAMETER (ϕP) SHALL NOT BE LESS THAN THE INLET PIPE SIZE.

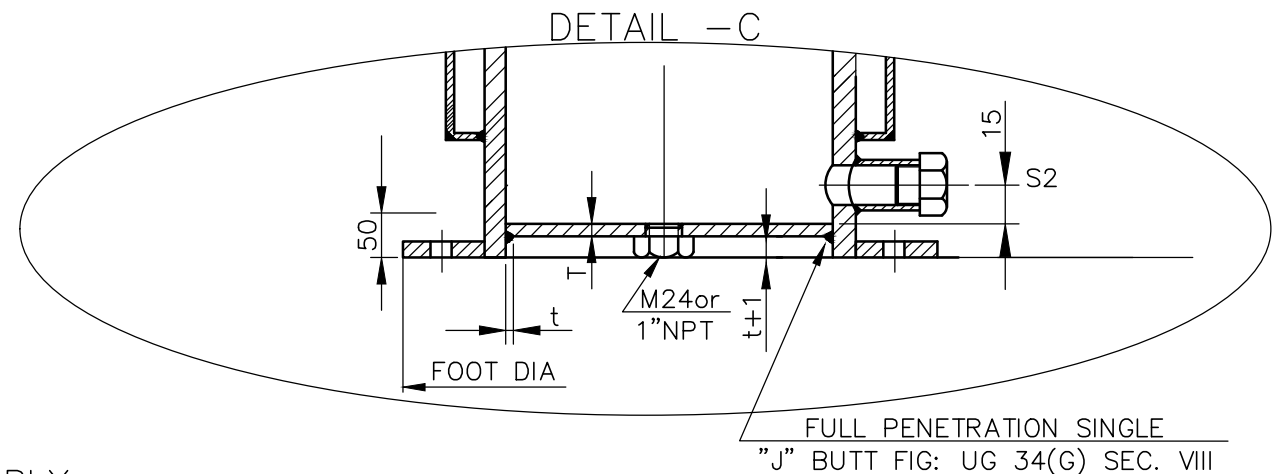
 355-055		Bharat Heavy Electricals Ltd UNIT: HIGH PRESSURE BOILER PLANT TIRUCHIRAPALLI – 620014		DRN	NAME PREETAM KUMAR	SIGNATURE —sd—	DATE 03.06.2017
				CHD	G. SARAVANA KUMAR	—sd—	03.06.2017
				APPD	M.THANDAPANI	—sd—	03.06.2017
DEPT FS/PE	ALL DIMENSIONS ARE IN MM	PROJECTION 	SCALE NTS	WEIGHT (kg) —	REF TO ASSY / OLD DWG 2-42-000-02117		
CODE 129					DRAWING NO : 2-42-000-02390		REV 00
TITLE LFO DISCHARGE STRAINER (DUPLX BASKET)							

16E20-000-24-2
DRAWING NO.

FOR TOLERANCES OF UNTOLERANCED
DIMENSIONS DURING MANUFACTURE
REFER PLANT STD. NO TP 023 0299



FLANGE DIA	NOZZLE/COVER					
	TO ANSI B16.5			CL 300 LBS		
NOMINAL SIZE	50	80	100	150	200	250
FLANGE DIA	165	210	255	320	380	445
THICKNESS T	22.3	28.6	31.8	36.6	41.3	47.7
RASIED FACE OD	84	117	146	206	260	321
PCD	127	168.3	200	269.9	330.2	387.4
NO.OF BOLTS N	8	8	8	12	12	16
BOLT HOLE DIA	19.1	22.2	22.3	22.3	25.4	28.6



SUGGESTED BASKET ASSEMBLY

DESIGN & FABRICATION

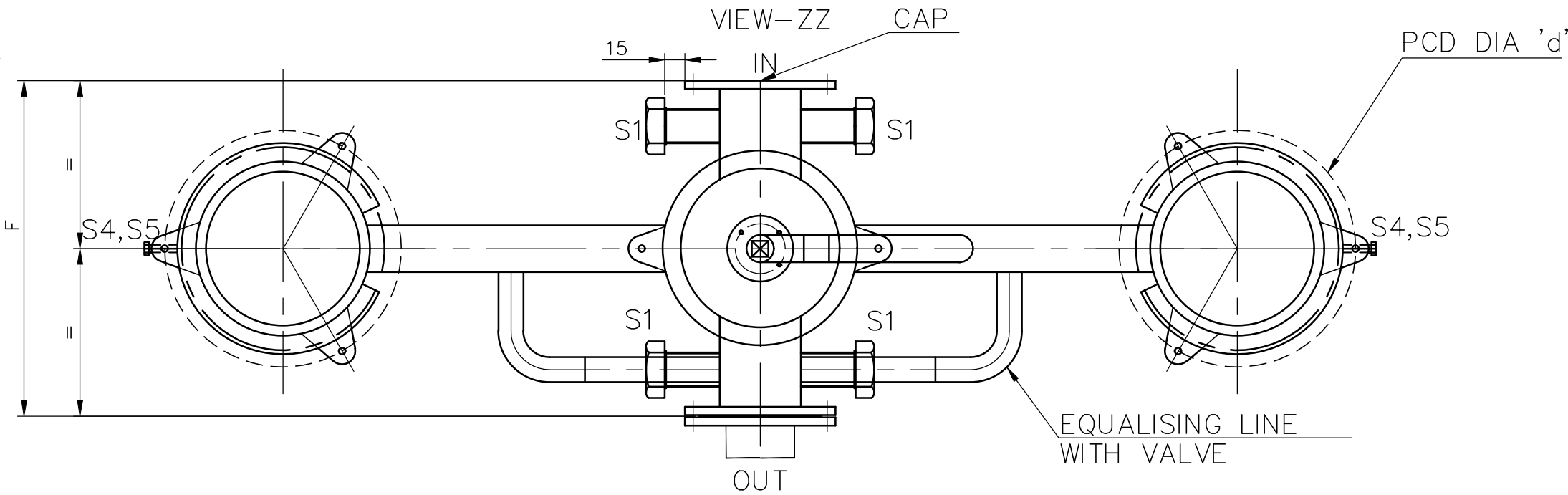
ASME SEC.VIII & XI
(FINAL INSPECTION & VERIFICATION OF SHOP RECORDS
FOR STAGE INSPECTION BY THIRD PARTY)

MATERIALS (OR EQVT)

- FILTER MESH - AISI 316/304/321 ~ 35% FREE OPENING
- SUPPORT SHEET - AISI 316/304/321 ~ 60% FREE OPENING
- PIPES - SA210GRA1 ; SA106GR.B
- FLANGES & COVERS - SA181GR1 ; SA105 ; IS2062
- PLATES & SHEETS - SA299 ; SA515GR70 ; SA516GR70 ; IS2062
- SPRING - SPRING STEEL EN42
- BOLTS & NUTS - SA193GRB7 & SA194GR2H GALVANISED
IS1363 GR 8.8 OR HIGHER
- GASKETS - NON ASBESTOS TYPE GASKETS
(WITH APPROPRIATE THICKNESS
SUITABLE FOR FUEL OIL APPLICATION)

NOTES

- MATING FACES OF BASKET TOP PLATE SHALL BE FLAT AND FINE MACHINED.
- BASKET SHALL BE OF STURDIER CONSTRUCTION.
- PAINT EPOXY BLUE OVER RED PRIMER ON OUTSIDE & EPOXY WHITE OVER RED PRIMER ON INSIDE SURFACES.
- RIVET NAME TAGS ON NOZZLE & STUBS
- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE NOTED.
- THE NET FREE FLOW AREA OF FILTER ELEMENT SHALL BE ATLEAST SIX TIMES THE SPECIFIED LINE SIZE, PER SECTION.
- THE CHANGEOVER COCK ARRANGEMENT IS FOR REFERENCE ONLY.
- STUB LENGTH SHALL BE 100MM
- VENDOR SHALL ENSURE SMOOTH OPERATION OF SIX PORT COCK VALVE AND PROVIDE APPROPRIATE GEAR UNIT / LEVER FOR EASE OF OPERATION
- THIS DRAWING SHALL BE REFERRED FOR DIMENSIONAL ARRANGEMENT ONLY THE RESPONSIBILITY OF DESIGN & PROPER FUNCTIONING OF THE STRAINER LIES WITH THE VENDOR.
- THE INNER CONNECTING PIPE DIAMETER (øP) SHALL NOT BE LESS THAN THE INLET PIPE SIZE



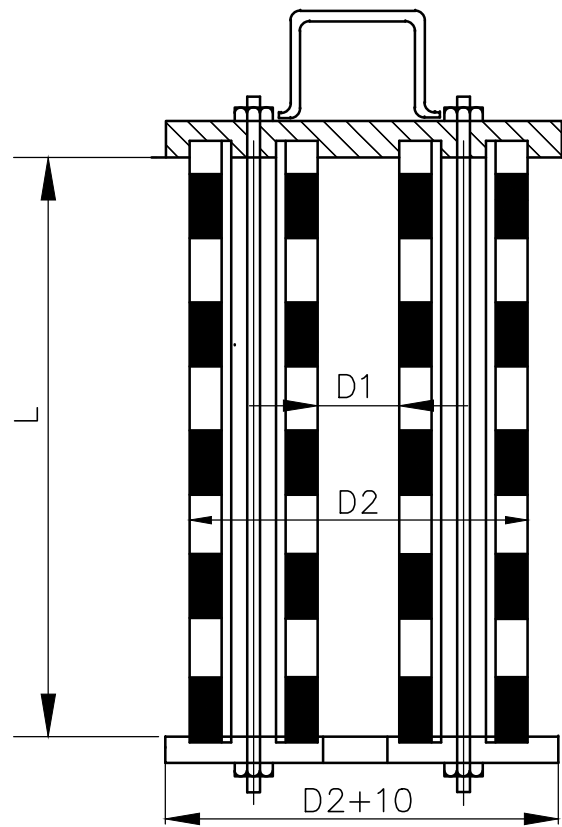
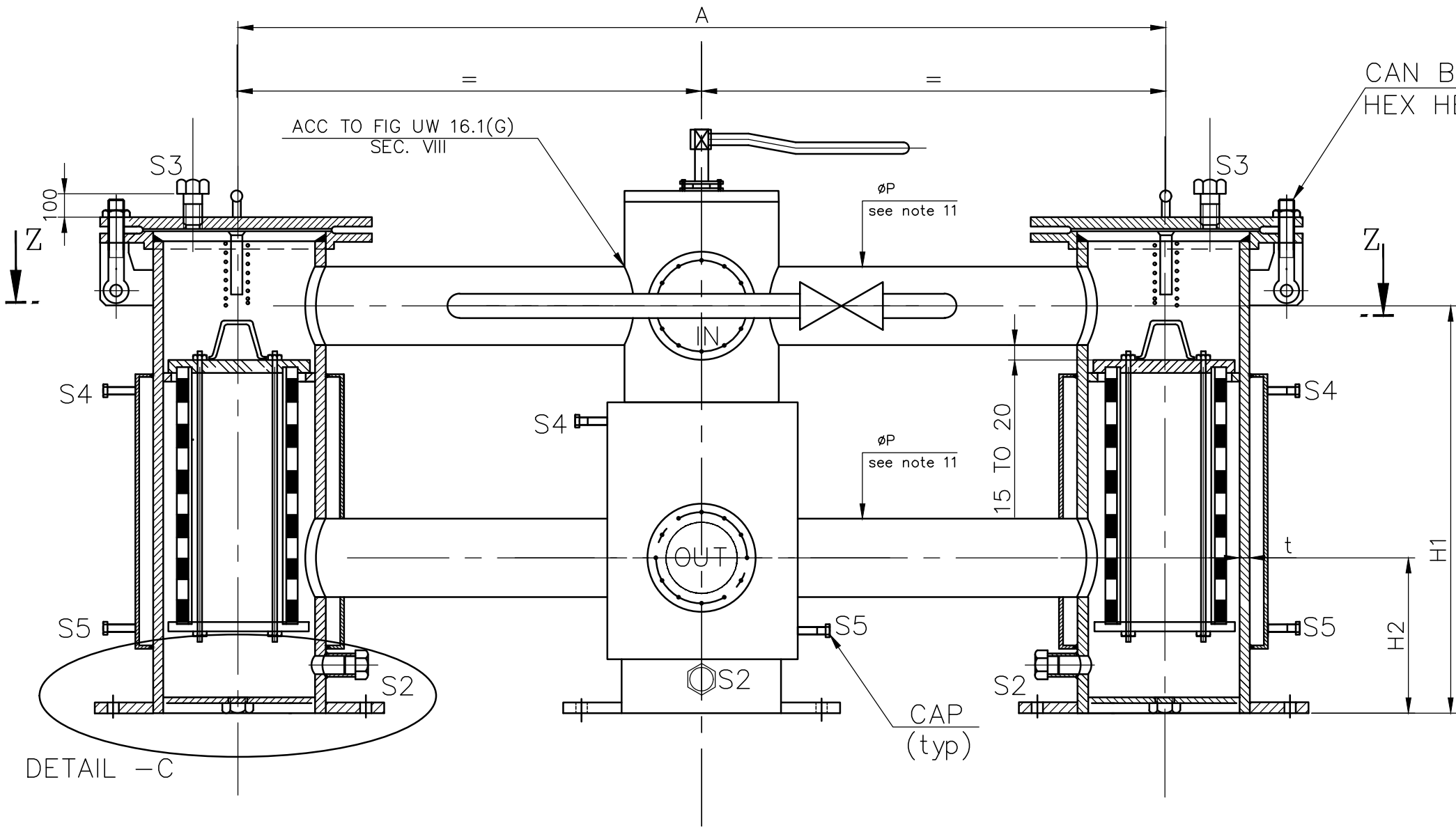
PERFORMANCE DATA		
FLOW MAXIMUM LIT/MIN	NB50	325
	NB80	715
	NB100	1400
	NB150	2875
	NB200	5000
VISCOSITY CST	NB250	8000
	SP.GRAVITY	0.925
	FILTRATION MICRONS	250
	Δ P CLEAN BASKET	0.1
	Δ P 50% CLOGGED	0.3
DESIGN PR. OIL SIDE		30
TEST PR. OIL SIDE		45
DESIGN PR. STM.SIDE		24
TEST PR. STM . SIDE		36
PR.&ΔP IN KG / SQ .CM		

OVERALL DIMENSIONS													
NB	BODY				BASKET			NOZZLE		FOOT		JACKET SHELL	
	INCH	SCH	F	A	D1	D2	L	H1	H2	DIA	PCD	d	INCH
50	6	40	400	950	60	120	300	500	200	280	250	14	8
80	12	40	800	1100	120	240	300	500	250	450	420	18	14
100	12	40	800	1100	120	240	400	600	250	450	420	18	14
150	18	40	1000	1400	120	360	400	600	300	580	550	18	20
200	18	40	1000	1400	180	360	600	800	300	580	550	18	20
250	24	40	1200	1800	240	480	600	1000	400	750	720	22	26
STUB S1 & S2 - 33.4 OD STUB WITH M24 PLUG or 1" NPT S3, S4 & S5 - 21.3 OD STUB WITH M12 PLUG or 1/2" NPT													

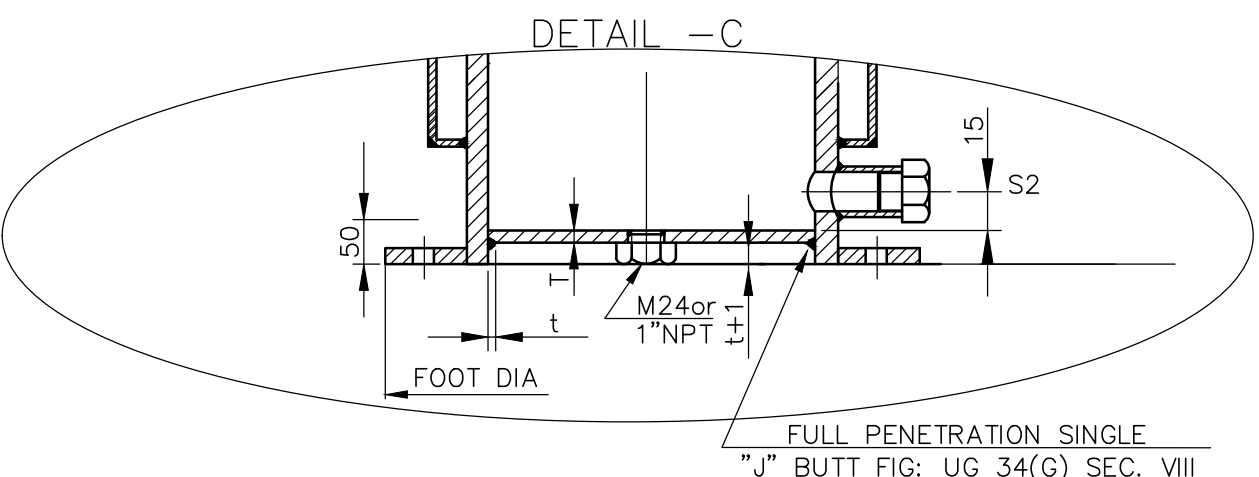
 355-055	Bharat Heavy Electricals Ltd UNIT: HIGH PRESSURE BOILER PLANT TIRUCHIRAPALLI - 620014		DRN	NAME VIKAS SETHI	SIGNATURE -sd-	DATE 28.03.2013
	DEPT FS/PE	ALL DIMENSIONS ARE IN MM	PROJECTION 	SCALE NTS	WEIGHT (Kg) -	REF TO ASSY / OLD DWG
	CODE 129					
REV 01 ZONE	DATE	ALTERED : CHD & APPD:	TITLE HFO DISCHARGE STRAINER (DUPLX BASKET)			DRAWING NO : 2-42-000-02391
						REV 00

2-42-000-02392
DRAWING NO:

FOR TOLERANCES OF UNTOLERANCED
DIMENSIONS DURING MANUFACTURE
REFER PLANT STD. NO TP 023 0299



FLANGE DIA	NOZZLE/COVER									
	TO ANSI B16.5					CL 150 LBS				
NOMINAL SIZE	40	50	80	100	150	200	250	300	350	400
FLANGE DIA	125	150	190	230	280	343	405	485	535	595
THICKNESS T	17.5	19.1	23.9	23.9	25.4	28.6	30.2	31.8	35.0	36.6
RASIED FACE OD	65	78	108	135	192	246	305	365	400	457
PCD	98.4	120.7	152.4	190.5	241.3	298.5	362.0	431.8	476.3	539.8
NO.OF BOLTS N	4	4	4	8	8	8	12	12	12	16
BOLT HOLE DIA	15.9	19.05	19.05	19.05	22.2	22.2	25.4	25.4	28.57	28.57



SUGGESTED BASKET ASSEMBLY

DESIGN & FABRICATION

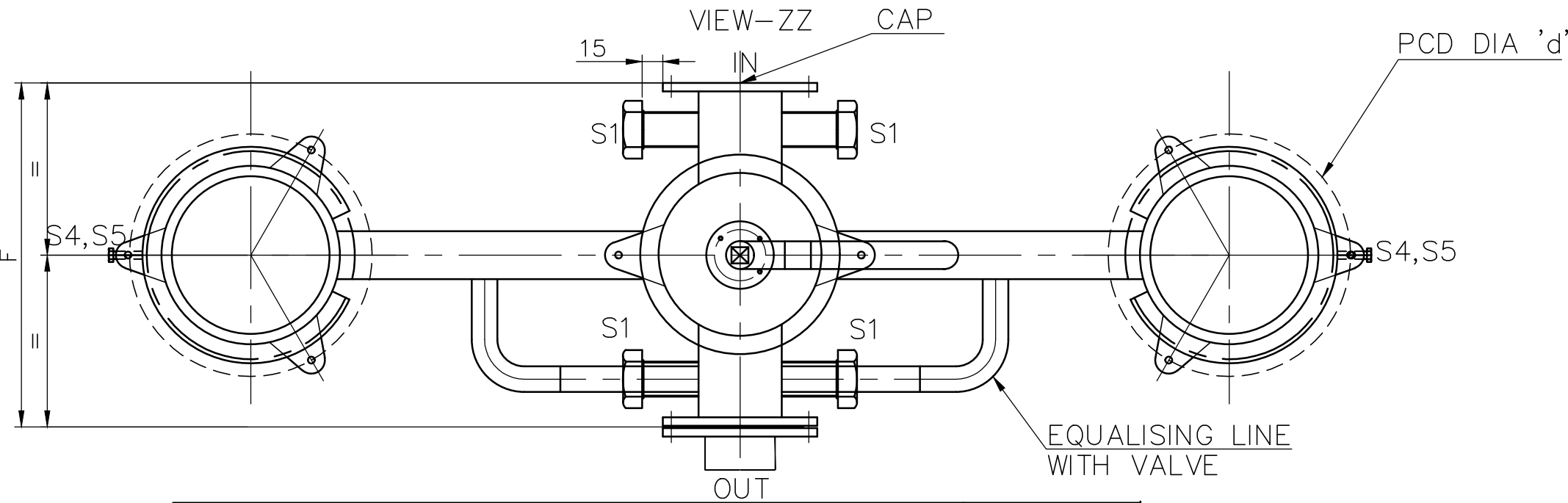
ASME SEC.VIII & XI
(FINAL INSPECTION & VERIFICATION OF SHOP RECORDS
FOR STAGE INSPECTION BY THIRD PARTY)

MATERIALS (OR EQVT)

- FILTER MESH – AISI 316/304/321 ~ 35% FREE OPENING
- SUPPORT SHEET – AISI 316/304/321 ~ 60% FREE OPENING
- PIPES – SA210GRA1 ; SA106GR.B
- FLANGES & COVERS – SA181GR1 ; SA105 ; IS2062
- PLATES & SHEETS – SA299 ; SA515GR70 ; SA516GR70 ; IS2062
- SPRING – SPRING STEEL EN42
- BOLTS & NUTS – SA193GRB7 & SA194GR2H GALVANISED
IS1363 GR 8.8 OR HIGHER
- GASKETS – NON ASBESTOS TYPE GASKETS
(WITH APPROPRIATE THICKNESS
SUITABLE FOR FUEL OIL APPLICATION)

NOTES

- MATING FACES OF BASKET TOP PLATE SHALL BE FLAT AND FINE MACHINED.
- BASKET SHALL BE OF STURDIER CONSTRUCTION.
- PAINT EPOXY BLUE OVER RED PRIMER ON OUTSIDE & EPOXY WHITE OVER RED PRIMER ON INSIDE SURFACES.
- RIVET NAME TAGS ON NOZZLE & STUBS
- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE NOTED.
- THE NET FREE FLOW AREA OF FILTER ELEMENT SHALL BE ATLEAST SIX TIMES THE SPECIFIED LINE SIZE, PER SECTION.
- THE CHANGE OVER COCK ARRANGEMENT IS FOR REFERENCE ONLY.
- STUB LENGTH SHALL BE 100MM
- VENDOR SHALL ENSURE SMOOTH OPERATION OF SIX PORT COCK VALVE AND PROVIDE APPROPRIATE GEAR UNIT / LEVER FOR EASE OF OPERATION
- THIS DRAWING SHALL BE REFERRED FOR DIMENSIONAL ARRANGEMENT ONLY THE RESPONSIBILITY OF DESIGN & PROPER FUNCTIONING OF THE STRAINER LIES WITH THE VENDOR.
- THE INTER CONNECTING PIPE DIAMETER (øP) SHALL NOT BE LESS THAN THE INLET PIPE SIZE.



OVERALL DIMENSIONS													
NB	BODY				BASKET			NOZZLE		FOOT			JACKET SHELL
	INCH	SCH	F	A	D1	D2	L	H1	H2	DIA	PCD	d	INCH
50	6	40	400	950	60	120	300	500	200	280	250	14	8
80	12	40	800	1100	120	240	300	500	250	450	420	18	14
100	12	40	800	1100	120	240	400	600	250	450	420	18	14
150	18	40	1000	1400	120	360	400	600	300	580	550	18	20
200	18	40	1000	1400	180	360	600	800	300	580	550	18	20
250	24	40	1200	1800	240	480	600	1000	400	750	720	22	26
300	24	40	1200	2000	240	480	800	1000	400	750	720	22	26
350	30	40	1600	2000	300	600	800	1200	500	910	870	22	32
400	30	40	1600	2200	300	600	1000	1200	500	910	870	22	32
STUB S1 & S2 – 33.4 OD STUB WITH M24 PLUG OR 1" NPT S3, S4 & S5 – 21.3 OD STUB WITH M12 PLUG OR 1/2" NPT													

PERFORMANCE DATA		
FLOW MAXIMUM LIT/MIN	NB50	65
	NB80	140
	NB100	275
	NB150	575
	NB200	1000
	NB250	1600
	NB300	2300
	NB350	2670
	NB400	3420
VISCOSITY CST		500
SP.GRAVITY		0.98–0.855
FILTRATION MICRONS		500
Δ P CLEAN BASKET		0.1
Δ P 50% CLOGGED		0.3
DESIGN PR. OIL SIDE		6
TEST PR. OIL SIDE		9
DESIGN PR. STM.SIDE		24
TEST PR. STM . SIDE		36
PR.&ΔP IN KG / SQ .CM		



355-055

Bharat Heavy Electricals Ltd

UNIT: HIGH PRESSURE BOILER PLANT

TIRUCHIRAPALLI – 620014

DEPT

CODE

ALL DIMENSIONS ARE IN MM

PROJECTION

SCALE

WEIGHT (Kg)

DRN

CHD

APPD

NAME

VIKAS SETHI

G. SARAVANA KUMAR

M.THANDAPANI

SIGNATURE

–sd–

–sd–

–sd–

DATE

28.03.2013

28.03.2013

28.03.2013

TITLE

DRAWING NO :

REV

HFO SUCTION STRAINER

(DUPLX BASKET)

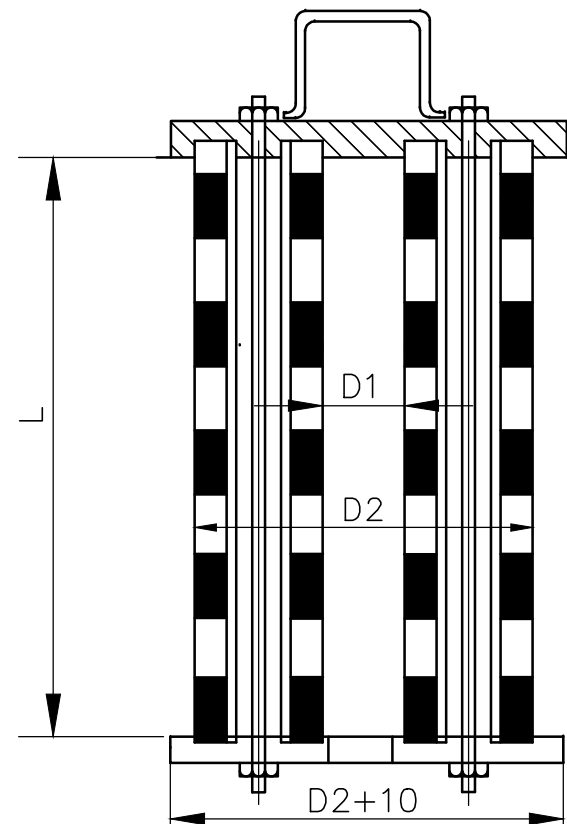
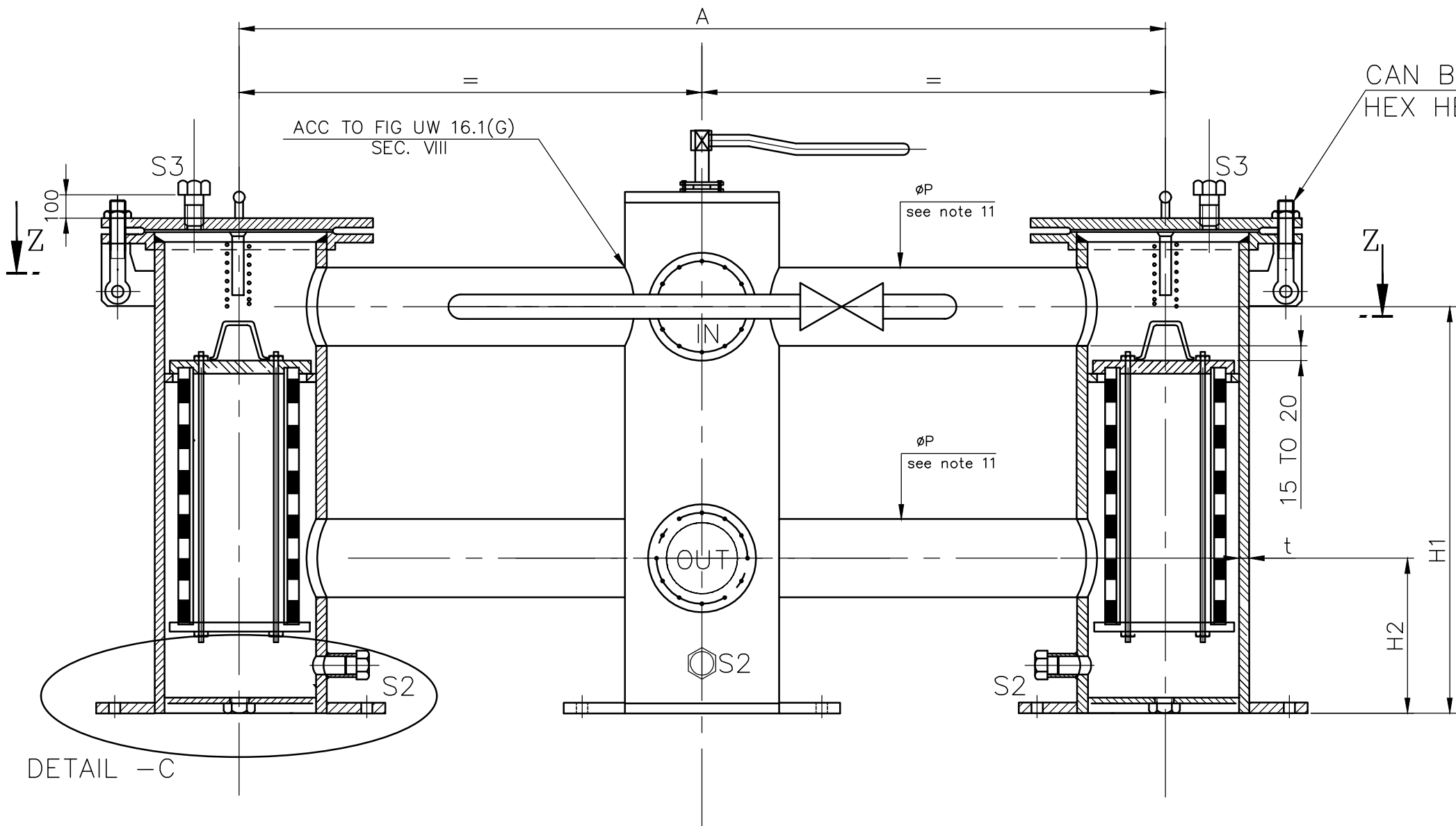
2-42-000-02392

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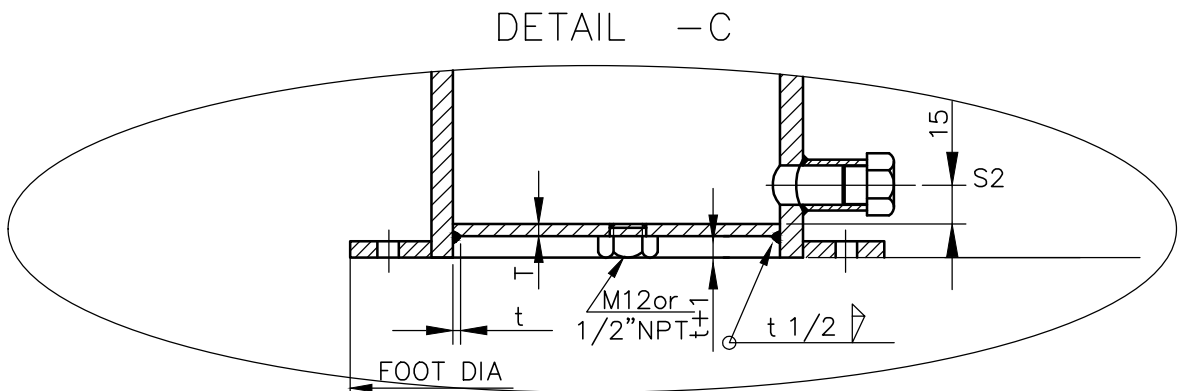
REV	DATE	ALTERED :
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ZONE		

2-42-000-02393
DRAWING NO.

FOR TOLERANCES OF UNTOLERANCED
DIMENSIONS DURING MANUFACTURE
REFER PLANT STD. NO TP 023 0299



FLANGE DIA	NOZZLE/COVER									
	TO ANSI B16.5					CL 150 LBS				
NOMINAL SIZE	40	50	80	100	150	200	250	300	350	400
FLANGE DIA	125	150	190	230	280	345	405	485	535	595
THICKNESS T	17.5	19.1	23.9	23.9	25.4	28.6	30.2	31.8	35.0	36.6
RASIED FACE OD	65	78	108	135	192	246	305	365	400	457
PCD	98.4	120.7	152.4	190.5	241.3	298.5	362.0	431.8	476.3	539.8
NO.OF BOLTS N	4	4	4	8	8	8	12	12	12	16
BOLT HOLE DIA	15.9	19.05	19.05	19.05	22.2	22.2	25.4	25.4	28.57	28.57



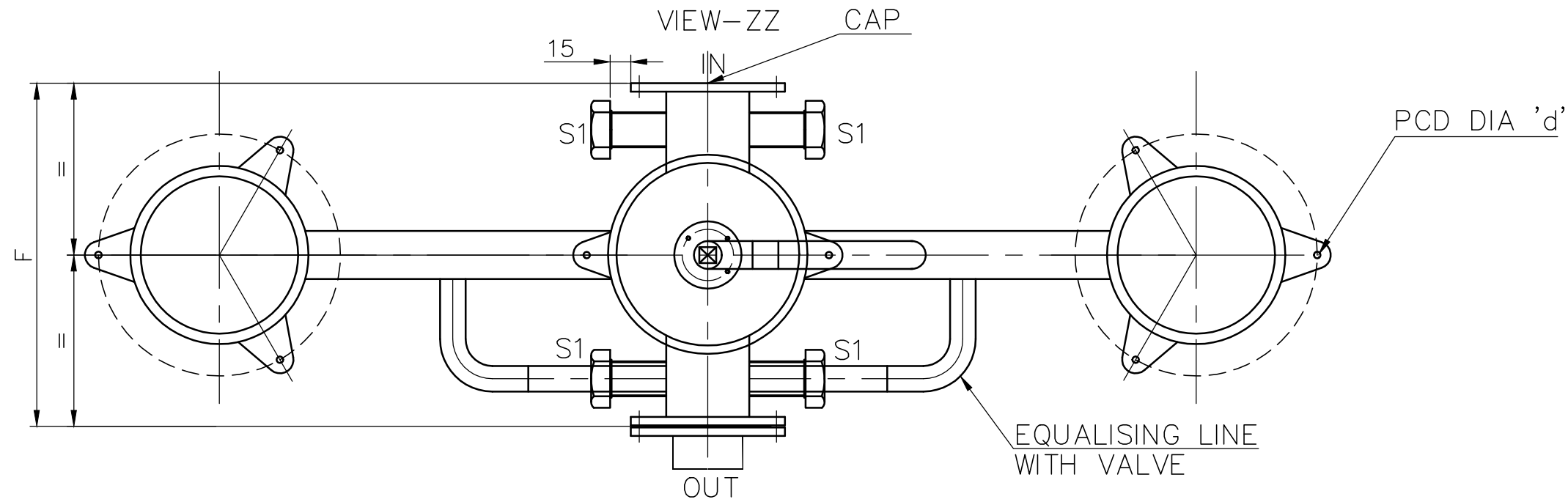
DESIGN & FABRICATION
ASME SEC.VIII & XI
(FINAL INSPECTION & VERIFICATION OF SHOP RECORDS
FOR STAGE INSPECTION BY THIRD PARTY)

MATERIALS (OR EQVT)

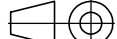
FILTER MESH - AISI 316/304/321 ~ 35% FREE OPENING
SUPPORT SHEET - AISI 316/304/321 ~ 60% FREE OPENING
PIPES - SA210GRA1 ; SA106GR.B
FLANGES & COVERS - SA181GR1 ; SA105; IS2062
PLATES & SHEETS - SA299 ; SA515GR70 ; SA516GR70 ; IS2062
SPRING - SPRING STEEL EN42
BOLTS & NUTS - SA193GRB7 & SA194GR2H GALVANISED
IS1363 GR8.8 OR HIGHER
GASKETS - NON ASBESTOS TYPE GASKETS
(WITH APPROPRIATE THICKNESS
SUITABLE FOR FUEL OIL APPLICATION)

- NOTES
- MATING FACES OF BASKET TOP PLATE SHALL BE FLAT AND FINE MACHINED.
 - BASKET SHALL BE OF STURDIER CONSTRUCTION.
 - PAINT EPOXY BLUE OVER RED PRIMER ON OUTSIDE & EPOXY WHITE OVER RED PRIMER ON INSIDE SURFACES.
 - RIVET NAME TAGS ON NOZZLE & STUBS
 - ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE NOTED.
 - THE NET FREE FLOW AREA OF FILTER ELEMENT SHALL BE ATLEAST SIX TIMES THE SPECIFIED LINE SIZE, PER SECTION.
 - THE CHANGE OVER COCK ARRANGEMENT IS FOR REFERENCE ONLY.
 - STUB LENGTH SHALL BE 100MM
 - VENDOR SHALL ENSURE SMOOTH OPERATION OF SIX PORT COCK VALVE AND PROVIDE APPROPRIATE GEAR UNIT / LEVER FOR EASE OF OPERATION
 - THIS DRAWING SHALL BE REFERRED FOR DIMENSIONAL ARRANGEMENT ONLY THE RESPONSIBILITY OF DESIGN & PROPER FUNCTIONING OF THE STRAINER LIES WITH THE VENDOR.
 - THE INTER CONNECTING PIPE DIAMETER (øP) SHALL NOT BE LESS THAN THE INLET PIPE SIZE.

PERFORMANCE DATA		
FLOW MAXIMUM LIT/MIN	NB50	65
	NB80	140
	NB100	275
	NB150	575
	NB200	1000
	NB250	1600
	NB300	2300
	NB350	2670
	NB400	3420
VISCOSITY CST		20
SP.GRAVITY		0.83
FILTRATION MICRONS		250
Δ P CLEAN BASKET		0.1
Δ P 50% CLOGGED		0.3
DESIGN PR. OIL SIDE		6
TEST PR. OIL SIDE		9
PR.& ΔP IN KG / SQ .CM		



OVERALL DIMENSIONS												
NB	BODY				BASKET			NOZZLE		FOOT		
	INCH	SCH	F	A	D1	D2	L	H1	H2	DIA	PCD	d
50	6	40	400	950	60	120	300	500	200	280	250	14
80	12	40	800	1100	120	240	300	500	250	450	420	18
100	12	40	800	1100	120	240	400	600	250	450	420	18
150	18	40	1000	1400	120	360	400	600	300	580	550	18
200	18	40	1000	1400	180	360	600	800	300	580	550	18
250	24	40	1200	1800	240	480	600	1000	400	750	720	22
300	24	40	1200	2000	240	480	800	1000	400	750	720	22
350	30	40	1600	2000	300	600	800	1200	500	910	870	22
400	30	40	1600	2200	300	600	1000	1200	500	910	870	22
ALL STUBS -21.3 OD STUB WITH M12 PLUG OR 1/2"NPT												

 355-055		Bharat Heavy Electricals Ltd UNIT: HIGH PRESSURE BOILER PLANT TIRUCHIRAPALLI - 620014		DRN	NAME	SIGNATURE	DATE
				CHD	VIKAS SETHI	--sd--	28.03.2013
					G. SARAVANA KUMAR	--sd--	28.03.2013
				APPD	M.THANDAPANI	--sd--	28.03.2013
DEPT	ALL DIMENSIONS ARE IN MM	PROJECTION 	SCALE NTS	WEIGHT (Kg)	REF TO ASSY / OLD DWG		
CODE							
TITLE LFO SUCTION STRAINER (DUPLEX BASKET)					DRAWING NO : 2-42-000-02393		REV 00

