

宜蘭縣政府

宜蘭縣利澤垃圾資源回收(焚化)廠修建營運移轉(ROT)案
招商文件(公告版)

第貳冊

建廠工程主要圖說

宜蘭縣政府環境保護局

中華民國 114 年 10 月

宜蘭縣利澤垃圾資源回收(焚化)廠修建營運移轉(ROT)案 招商文件(修正稿) 總目錄

第壹冊 申請須知、投資契約及操作營運條款

第一部 申請須知

第二部 投資契約

第三部 操作營運條款

第貳冊 建廠工程主要圖說

Part A 利澤焚化廠建廠工程主要圖說

Part B 底渣廠建廠工程主要圖說

Part C 廚餘廠建廠工程主要圖說

Part D 水洗廠建廠工程主要圖說

第貳冊
建廠工程主要圖說

宜蘭縣利澤垃圾資源回收(焚化)廠修建營運移轉(ROT)案
第貳冊 建廠工程主要圖說
目 錄

Part A 利澤焚化廠建廠工程主要圖說

圖號	圖名	頁次
4817C-17-02-006	Site Plot Plan	1
4817C-01-01-025	General Arrangement of Floor Plan 1FL－14.5M~1FL±0 Level (B1 FL)	2
4817C-01-01-026	General Arrangement of Floor Plan 1FL±0 M Level (1 FL)	3
4817C-01-01-027	General Arrangement of Floor Plan 1FL±7.0 M Level (2 FL)	4
4817C-01-01-028	General Arrangement of Floor Plan 1FL±12.0 M Level (3 FL)	5
4817C-01-01-029	General Arrangement of Floor Plan 1FL±18.0 M Level (4 FL)	6
4817C-01-01-030	General Arrangement of Floor Plan 1FL±21.0 M Level (5 FL)	7
4817C-01-01-031	General Arrangement of Floor Plan 1FL±24.0 M (M6F) 29.5 M (6 FL)	8
4817C-01-01-032	General Arrangement of Floor Plan 1FL±32.0 M~39.5 M Level (RFL)	9
4817C-01-01-024	General Arrangement of Longitudinal Section H－㊶	10
4817C-01-01-033	General Arrangement of Longitudinal Section 11－12 and 13－14	11
4817C-01-01-034	General Arrangement of Longitudinal Section 16－17 and 18－19	12
4817C-01-01-037	General Arrangement of Longitudinal Section M－O and 19－20	13
4817C-17-02-019	Plant Building B1 Floor Plan	14
4817C-17-02-020	Plant Building 1FL. ±0.000 Plan(1 st FL)	15
4817C-17-02-021	Plant Building 1FL. ±7000 Plan(2 nd FL)	16
4817C-17-02-022	Plant Building 1FL. ±12,000 Plan(3 rd FL)	17
4817C-17-02-023	Plant Building 1FL. ±16,000 Plan(4 th FL)	18

圖號	圖名	頁次
4817C-17-02-024	Plant Building 1FL. ±21,000 Plan(5 th FL)	19
4817C-17-02-025	Plant Building 1FL. ±24.0m,28.5m Plan(6,7 th FL)	20
4817C-17-02-026	Plant Building Roof Plan	21
4817C-17-02-027	Plant Building Elevation(1)	22
4817C-17-02-028	Plant Building Elevation(2)	23
4817C-17-02-029	Plant Building Elevation(3)	24
4817C-17-02-030	Plant Building Section(1)	25
4817C-17-02-031	Plant Building Section(2)	26
4817C-17-02-032	Plant Building Section(3)	27
4817C-17-02-033	Plant Building Section(4)	28
4817C-17-02-034	Plant Building Section(5)	29
4817C-17-02-035	Plant Building Section(6)	30
4817C-01-01-039	Progress Flow Diagram-Symbols and Legend	31
4817C-01-01-040	Progress Flow Diagram-Combustion System	32
4817C-01-01-041	Progress Flow Diagram-Steam,Feedwater and Condensate Cycle(1/4)	33
4817C-01-01-076	Progress Flow Diagram-Steam,Feedwater and Condensate Cycle(2/4)	34
4817C-01-01-042	Progress Flow Diagram-Steam,Feedwater and Condensate Cycle(3/4)	35
4817C-01-01-043	Progress Flow Diagram-Steam,Feedwater and Condensate Cycle(4/4)	36
4817C-01-01-044	Progress Flow Diagram-Flue Gas Treatment System (1/5)	37
4817C-01-01-045	Progress Flow Diagram-Flue Gas Treatment System (2/5)	38
4817C-01-01-046	Progress Flow Diagram-Flue Gas Treatment System (3/5)	39
4817C-01-01-047	Progress Flow Diagram-Flue Gas Treatment System (4/5)	40
4817C-01-01-048	Progress Flow Diagram-Flue Gas Treatment System (5/5)	41
4817C-01-01-049	Progress Flow Diagram-SNCR NOx Removal System	42
4817C-01-01-050	Progress Flow Diagram-Fly Ash Handling System	43

圖號	圖名	頁次
4817C-01-01-051	Progress Flow Diagram-Fly Ash Solidification System	44
4817C-01-01-052	Progress Flow Diagram-City Water and Equipment Cooling Water System	45
4817C-01-01-079	Progress Flow Diagram-Refuse Charging Hopper&Chute Cooling System	46
4817C-01-01-053	Progress Flow Diagram-Diesel Oil Supply System	47
4817C-01-01-054	Progress Flow Diagram-Refuse Bunker Drainage Disposal System	48
4817C-01-01-055	Progress Flow Diagram-Refuse Water Supply System	49
4817C-01-01-056	Progress Flow Diagram-Service and Instrument Air System	50
4817C-01-01-057	Progress Flow Diagram-Chemical Dosing and Conditioning System	51
4817C-01-01-058	Progress Flow Diagram-Vehicle Washer System	52
4817C-01-01-059	Progress Flow Diagram-Sampling System	53
4817C-01-01-060	Flow Diagram-Waste Water Treatment Plant Odor Prevention Facilities	54
4817C-01-01-061	Flow Diagram-Make-Up Water Treatment Plant	55
4817C-03-03-034	Stoker Capacity Diagram	56
4817C-01-01-121	P&I Diagram-Symbol List	57
4817C-01-01-122	Duct & Instrument Diagram	58
4817C-01-01-123	P&I Diagram-Steam and Condensate System(1/6) (Boiler&Eco&Sah)	59
4817C-01-01-124	P&I Diagram-Steam and Condensate System(2/7) (Soot Boiler&Ash)	60
4817C-01-01-125	P&I Diagram-Steam and Condensate System(3/7) (Deaerator&BFWP&Flash Tank)	61
4817C-01-01-126	P&I Diagram-Steam and Condensate System(4/6)(Ejector&Lp Heater etc.)	62
4817C-01-01-127	P&I Diagram-Steam and Condensate System(5/6) (T-G&Turbine By-Pass)	63
4817C-01-01-128	P&I Diagram-Steam and Condensate System(6/6) (Turbine&Exh&Condenser)	64
4817C-01-01-232	P&I Diagram-Steam and Condensate System(7/7) (Seal Water)	65
4817C-01-01-123	P&I Diagram-Sealing Air System	66
4817C-01-01-133	P&I Diagram-Flue Gas Treatment Plant(1/2) (Lime Silo&LimeSupply)	67
4817C-01-01-134	P&I Diagram-Flue Gas Treatment Plant(2/2) (SD. Scrubber&Activate Carbon & Bag)	68

圖號	圖名	頁次
4817C-01-01-135	P&I of Bag Filter	69
4817C-01-01-136	P&I Diagram-SNCR NOx Removal System	70
4817C-01-01-136	P&I Diagram-Equipment Cooling Water System	71
4817C-01-01-138	P&I Diagram-Feed Chute Cooling Water Supply and Drain	72
4817C-01-01-139	P&I Diagram-Make-Up Water System	73
4817C-01-01-140	P&I Diagram-City Water Supply System	74
4817C-01-01-141	P&I Diagram-Service Air and Instrument Air System(1/2)	75
4817C-01-01-225	P&I Diagram-Service Air and Instrument Air System(2/2)	76
4817C-01-01-235	P&I Diagram-Chemical Dosing System	77
4817C-01-01-236	P&I Diagram-Fly Ash Solidification System	78
4817C-01-01-142	P&I Diagram-Diesel Oil Supply System(1/2) (Tanks & Pumps)	79
4817C-01-01-143	P&I Diagram-Diesel Oil Supply System(2/2)(Detailed Burner Around)	80
4817C-01-01-144	P&I Diagram-Refuse Drain System	81
4817C-01-01-145	P&I Diagram-Waste Water Collection System	82
4817C-01-01-146	P&I Diagram-Refuse Water Supply System	83
4817C-01-01-147	P&I Diagram-W.W.T.P (1/4)(Waste Water)	84
4817C-01-01-148	P&I Diagram-W.W.T.P.(2/4)(Sludge)	85
4817C-01-01-149	P&I Diagram-W.W.T.P.(3/4)(Chemical)	86
4817C-01-01-150	P&I Diagram-W.W.T.P.(4/4)(Utility)	87
4817C-01-01-151	P&I Diagram-M.W.T.P.(1/4)(Water Treatment 1/2)	88
4817C-01-01-152	P&I Diagram-M.W.T.P.(2/4)(Water Treatment 2/2)	89
4817C-01-01-153	P&I Diagram-M.W.T.P.(3/4)(Chemical)	90
4817C-01-01-154	P&I Diagram-M.W.T.P.(4/4)(Waste Water & Utility)	91

Part B 底渣廠建廠工程主要圖說

圖號	圖名	頁次
A2-1	建築平面總圖	92
A2-3	一層平面圖(一)	93
A2-4	一層平面圖(二)	94
A2-5	一層夾層平面圖(一)	95
A2-6	一層夾層平面圖(二)	96
A2-7	反射天花平面圖(一)	97
A2-8	反射天花平面圖(二)	98
A2-9	屋頂平面圖(一)	99
A2-10	屋頂平面圖(二)	100
A3-1	南向立面圖	101
A3-2	北向立面圖	102
A3-3	西向立面圖(一)	103
A3-4	西向立面圖(二)	104
A3-5	東向立面圖(一)	105
A3-6	東向立面圖(二)	106
A4-1	A-A' 剖面圖	107
A4-2	B-B' 剖面圖	108
A4-3	C-C' 剖面圖	109
A4-4	D-D' 剖面圖(一)	110
A4-5	D-D' 剖面圖(二)	111

圖號	圖名	頁次
A7-1	牆面座標圖	112
A7-2	南側外牆面展開圖(一)	113
A7-3	南側外牆面展開圖(二)	114
A7-4	北側外牆面展開圖(一)	115
A7-5	北側外牆面展開圖(二)	116
A7-6	北側外牆面展開圖(三)	117
A9-1	放樣及尺寸平面圖	118
A9-2	鋪面平面圖	119
A9-3	排水平面圖	120
A9-4	植栽平面圖	121
A9-5	北側地形平面圖	122
A9-6	景觀剖面圖(一)	123
A9-7	景觀剖面圖(二)	124
S0-0	結構圖說索引表	125
S0-1	結構設計一般說明	126
S1-1	錯定與標準彎鉤詳圖	127
S1-2	樑鱗筋與穿孔補強詳圖	128
S1-3	版與牆配筋詳圖(一)	129
S1-4	版與牆配筋詳圖(二)	130
S1-5	早接標準圖	131
S2-1	一層結構平面圖	132
S2-2	一層夾層及屋頂結構平面圖	133

圖號	圖名	頁次
S3-1	構架剖面詳圖(一)	134
S3-2	構架剖面詳圖(二)	135
G-01	倉儲式再生資源廠配置圖	136
G-02	焚化底渣篩分製程設備流程圖	137
G-03	焚化底渣篩分機械設備配置圖	138
G-04-01	機械設備剖面圖(一)	139
G-04-02	機械設備剖面圖(二)	140
G-04-03	機械設備剖面圖(三)	141
G-05	質量平衡圖	142
G-06	主要設備規格表	143
G-07	底渣、鐵金屬、非鐵金屬、未燃物、焚化再生粒料之貯存位置圖	144
G-08	機具、車輛及人員動線圖	145
G-09	環境教育廊道解說牌位置圖	146
G-10	參觀走道解說牌位置圖	147
E-01	電力系統架構圖	148
E-02	動力單線圖(一)	149
E-03	動力單線圖(二)	150
E-04	盤體圖	151
T-01	錄影監視系統(室外區)	152
T-02	錄影監視系統(廠房區)	153
F-01	粒狀污染防治設備設計圖	154
F-02	消防系統竣工圖	155

圖號	圖名	頁次
Z-01	水霧設備配置圖	156
Z-02	排水處理設備位置圖	157

Part C 廚餘廠建廠工程主要圖說

圖號	圖名	頁次
A1-1	工區位置圖	158
A2-1	一層平面圖	159
A2-2	夾層平面圖	160
A2-3	屋頂平面圖	161
A3-1	各向立面圖	162
A4-1	剖面圖	163
A4-2	門窗表	164
E-02	單線圖(1)昇位圖-電氣	165
E-03	單線圖(2)-電氣	166
	機械設備配置平面圖	167
	機械設備配置立面圖	168
	翻桶機	169
	濾水螺運機	170
	撿拾平台輸送帶	171
	篩除物輸送帶	172
	磁選機	173

圖號	圖名	頁次
	U-12 吋螺運機	174
	副資材暫存槽	175
	雙軸細碎機	176
	0-8 吋螺運機	177
	固液分離機	178
	U-10 吋螺運機-水平	179
	U-6 吋副資材螺運機-1	180
	U-6 吋副資材螺運機-2	181
	加熱滅菌脫水機	182
	U-10 吋出料螺運機	183
	冷凝器	184
	洗滌塔	185
	U-10 吋通用螺運機	186
	系統單線圖-1	187
	系統單線圖-2	188
	系統單線圖-3	189

Part D 水洗廠建廠工程主要圖說

圖號	圖名	頁次
G-001	圖目錄、工程位置圖及一般說明	190
G-002	飛灰水洗系統流程與質量平衡圖	191

圖號	圖名	頁次
I-001	符號代號說明(一)	192
I-002	符號代號說明(二)	193
I-101	P&ID 圖(一)	194
I-102	P&ID 圖(二)	195
I-103	P&ID 圖(三)	196
I-104	P&ID 圖(四)	197
I-105	P&ID 圖(五)	198
I-106	P&ID 圖(六)	199
I-107	P&ID 圖(七)	200
I-108	P&ID 圖(八)	201
I-109	P&ID 圖(九)	202
I-110	P&ID 圖(十)	203
P-001	水洗系統全區配置區	204
P-002	飛灰輸送與溶解區配置圖	205
P-003	水洗系統平面配置圖	206
P-004	水洗系統立面圖	207
S-101	結構平面圖(一)	208
S-101	結構平面圖(二)	209
S-201	立面圖	210
E-101	電氣單線圖(一)	211
E-102	電氣單線圖(二)	212
E-103	電氣單線圖(三)	213

圖號	圖名	頁次
E-104	電氣單線圖(四)	214
E-105	電氣單線圖(五)	215
E-106	電氣單線圖(六)	216

Part A 利澤焚化廠建廠工程主要圖說

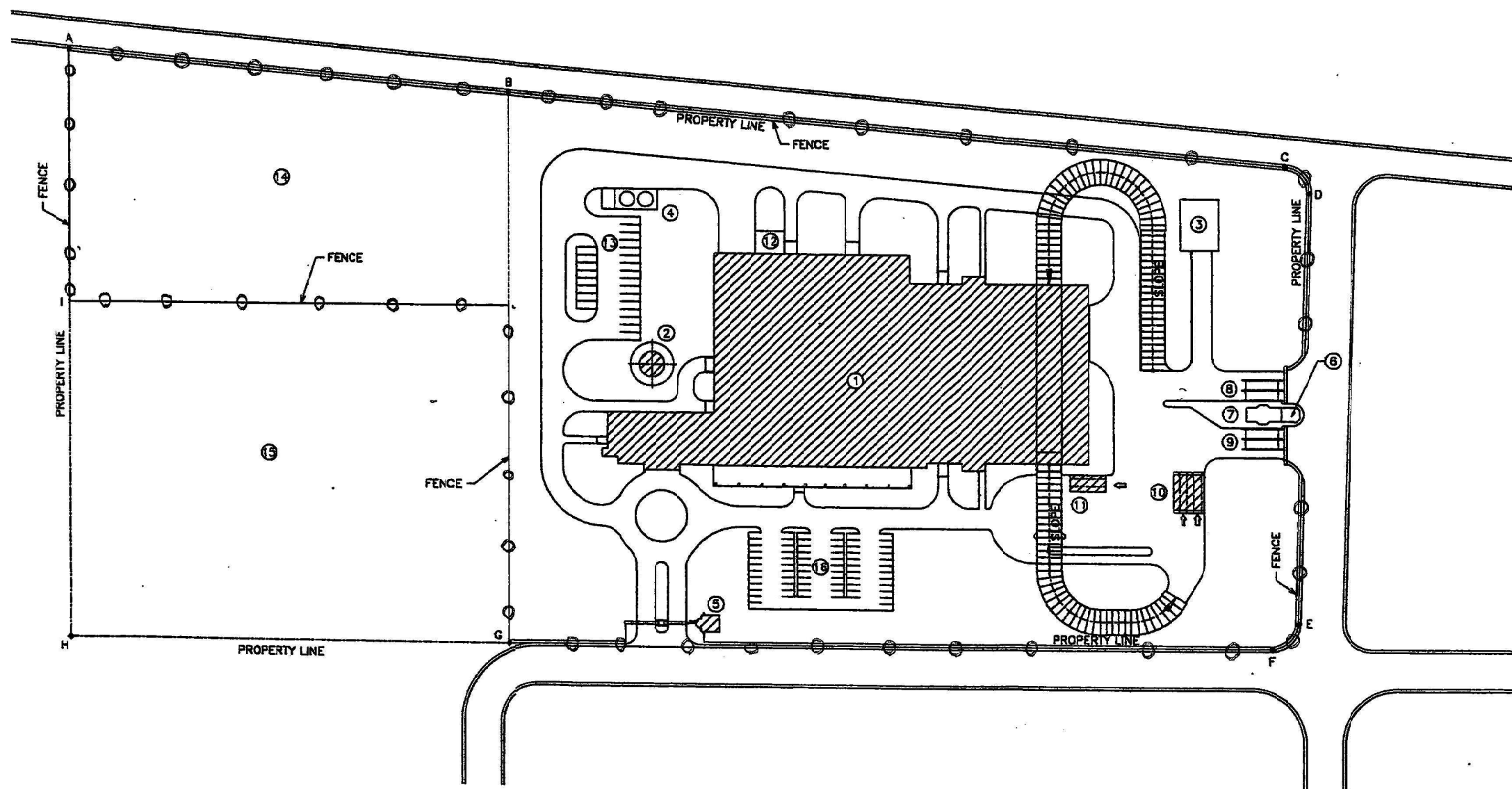


NO.	DATE	DESCRIPTION	BY	CHKD	APRD
1	2004.03.20	Drive Way has been changed as oncoming traffic.	2004	2004	2004

FOR APPROVAL

本圖說內容之設計、尺寸、施工標準、材料、型號等，均應符合當地之建築法規及有關之技術規範，並應符合當地之環境保護法規，各圖面之設計應符合當地之環境保護法規，並應符合當地之環境保護法規。

委託操作用地範圍線



①	PLANT BUILDING
②	STACK
③	CITY WATER RESERVOIR AND POTABLE WATER RESERVOIR
④	DIESEL OIL STORAGE TANK
⑤	GUARD ROOM
⑥	GUARD ROOM
⑦	WEIGHING BRIDGE ROOM
⑧	REFUSE WEIGHING BRIDGE
⑨	ASH WEIGHING BRIDGE
⑩	AUTOMATIC CAR WASHING AREA
⑪	HAND CAR WASHING AREA
⑫	MAIN TRANSFORMER AREA
⑬	PARKING
⑭	RECREATION AREA
⑮	REFUSE DISPOSED AREA
⑯	PARKING

LOCATION	ORDINATE(N)	ABSCISSA(E)
A	2728958.790	333812.245
B	2728791.606	333846.808
C	2728494.208	333908.040
D	2728482.462	333900.893
E	2728438.278	333738.835
F	2728445.048	333726.628
G	2728729.817	333841.035
H	2728692.622	333592.101
I	2728930.490	333718.030
J	2728786.248	333782.396

PLOT PLAN

行政院環境保護署 宜蘭縣利澤坵資源回收(焚化)廠擴建統包工程 中央信託局招標案號 LP5-900039-2 中央信託局契約編號 02-LP5-0189	
CIVIL ENGINEERING SECTION POWER & ENVIRONMENTAL PLANT CONSTRUCTION DEPARTMENT APPROVED: Y. Chen CHECKED: S. Chen DESIGNED: S. Chen SCALE: 1/1000 SHEET NO.: 32221	TITLE: SITE PLOT PLAN CLIENT DWG NO.: 4817C-17-02-006 SHEET NO.: KZB-01-M1002 DRAWN: Y. Chen CHECKED: S. Chen DESIGNED: S. Chen SCALE: 1/1000 SHEET NO.: 32221

19 20 14000

FOR CONSTRUCTION

This drawing was approved by the Engineer on 5/2/82 at Letter 42-7-1441-20.



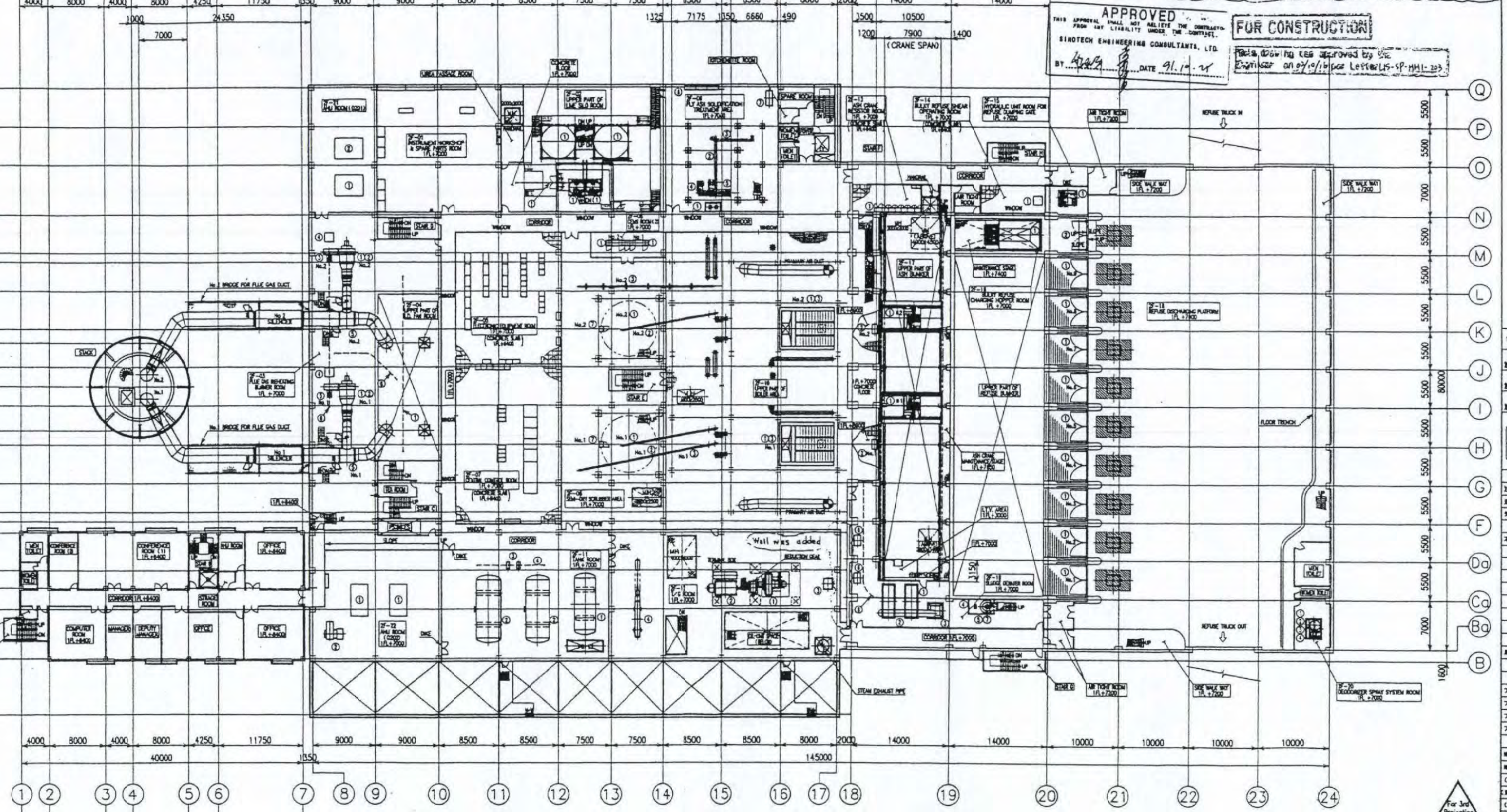
[INSTRUCTIONS]

This drawing/document is protected by the Japanese Copyright Law, the Unfair Competition Law, and international treaty provisions, and applicable laws of the country in which it being used.

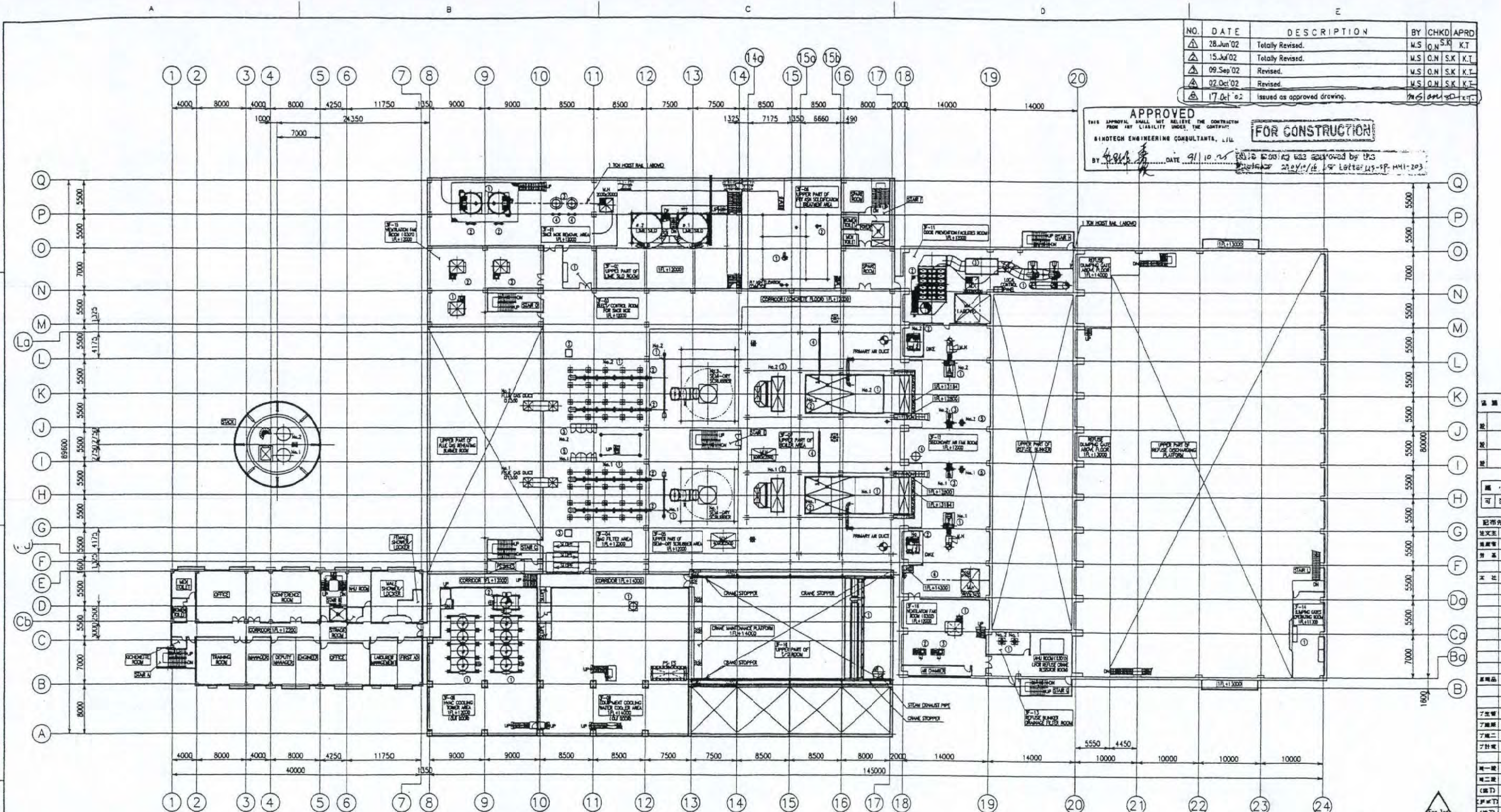
This drawing/document, being the property of Mitsubishi Heavy Industries, Ltd. and/or the originating provider, may neither be copied, reproduced, read by any other third party nor used for any purpose other than designated without previous written consent of Mitsubishi Heavy Industries, Ltd., regardless of the status of patent, whether prior to filing, pending or registered.



NO.	DATE	DESCRIPTION	BY	CHKD	APRD
1	28 Jun 02	Totally Revised.	M.S.	O.N.	S.K.
2	15 Jul 02	Totally Revised.	M.S.	O.N.	S.K.
3	09 Sep 02	Revised.	M.S.	O.N.	S.K.
4	02 Oct 02	Revised.	M.S.	O.N.	S.K.
5	17 Oct 02	Issued as approved drawing and design progress	M.S.	O.N.	S.K.



2F-01 INSTRUMENT WORKSHOP UPPER PARTS ROOM	2F-02 UPPER PART OF LIME SILD ROOM	2F-03 FLUE GAS PREHEATING BURNER ROOM	2F-04 UPPER PART OF LIME SILD ROOM	2F-05 ELECTRONIC EQUIPMENT ROOM	2F-06 SEMI-DRY SCRUBBER AREA	2F-07 CENTRAL CONTROL ROOM	2F-08 SEMI-DRY SCRUBBER CONVEYOR	2F-09 FLY ASH ELEVATION CONVEYOR #1/2	2F-10 UPPER PART OF BOILER AREA	2F-11 TANK ROOM	2F-12 T/S ROOM	2F-13 ASH CRANE RESISTOR ROOM	2F-14 BULST REFUSE SHEAR OPERATING ROOM	2F-15 HYDRAULIC UNIT ROOM FOR REFUSE DUMPING GATE	2F-16 BULST REFUSE CHARGING HOPPER ROOM	2F-17 UPPER PART OF ASH BUNKER	2F-18 REFUSE DESODORIZING PLATFORM	2F-19 SLUDGE SEPARATOR ROOM	2F-20 DESODORIZER SPRAY SYSTEM ROOM	2F-21 ASH ROOM (Q201)	2F-22 ASH ROOM (Q202)	2F-23 CENTRAL CONTROL ROOM	2F-24 AIR EXHAUST FAN FOR TANK ROOM	2F-25 ACTIVATED CARBON SILD	2F-26 TANK HOST FOR A.C. SILD ROOM
1 LINE SILD	2 LINE SILD	3 LINE SILD	4 LINE SILD	5 LINE SILD	6 LINE SILD	7 LINE SILD	8 LINE SILD	9 LINE SILD	10 LINE SILD	11 LINE SILD	12 LINE SILD	13 LINE SILD	14 LINE SILD	15 LINE SILD	16 LINE SILD	17 LINE SILD	18 LINE SILD	19 LINE SILD	20 LINE SILD	21 LINE SILD	22 LINE SILD	23 LINE SILD	24 LINE SILD	25 LINE SILD	26 LINE SILD



NO.	DATE	DESCRIPTION	BY	CHKD	APRD
1	28 Jun '02	Totally Revised.	M.S.	O.N.	S.K.
2	15 Jul '02	Totally Revised.	M.S.	O.N.	S.K.
3	09 Sep '02	Revised.	M.S.	O.N.	S.K.
4	02 Oct '02	Revised.	M.S.	O.N.	S.K.
5	17 Oct '02	Issued as approved drawing.	M.S.	O.N.	S.K.

APPROVED
THIS APPROVAL SHALL NOT RELIEVE THE CONTRACTOR FROM ANY LIABILITY UNDER THE CONTRACT.
BINOTECH ENGINEERING CONSULTANTS, L.L.P.
BY: *[Signature]* DATE: 9/10/02
FOR CONSTRUCTION
2002/10/16 150 Letter US-SP-MHI-203

3F-01 SNCR NOX REMOVAL AREA	3F-04 BAG FILTER AREA	3F-07 UPPER PART OF BOILER AREA	3F-11 DOOR PREVENTION FACILITIES ROOM	3F-13 REFUSE BUNKER DRAINAGE FILTER ROOM	3F-16 VENTILATION FAN ROOM (0302)
① UREA STORAGE TANK	① BAG FILTER	① FURNACE	① FAN FOR EXCLUSIVE USE OF DEODORIZER	① REFUSE BUNKER DRAINAGE FILTER #1/2	① AIR SUPPLY FAN (FOR BOILER AREA) 2B
② UREA TRANSFER PUMP	② BAG FILTER CONVEYOR	② BOILER	② ACTIVATED CARBON ADSORPTION DEODORIZING TOWER		② AIR SUPPLY FAN (FOR BOILER AREA) 3A
③ UREA SOLUTION TANK	③ PURGE AIR FAN	③ ECONOMIZER	③ AIR FILTER		③ AIR SUPPLY FAN (FOR BOILER AREA) 3B
④ UREA SOLUTION INJECTION PUMP	④ FILTER HEATER	④ SOOT BLOWER		3F-14 DUMPING GATES OPERATING ROOM	
	⑤ No.1/2 BAG FILTER LP			① REFUSE DUMPING GATE / REMOTE CONTROL PANEL	
		3F-08 HVAC COOLING TOWER AREA			
		① HVAC COOLING TOWER	3F-12 SECONDARY AIR FAN ROOM		
		② EMERGENCY HVAC COOLING TOWER	① SECONDARY AIR FAN		
3F-02 UPPER PART OF LIME SILO ROOM	① No.1/2 BAG FILTER FLY ASH CONVEYOR #1		② STOKER HYDRAULIC UNIT	3F-15 VENTILATION FAN ROOM (0301)	
		3F-09 EQUIPMENT COOLING WATER COOLER AREA	③ BURNER FAN	① AIR SUPPLY FAN (FOR BOILER AREA) 1A	
		① EXPANSION TANK	④ BLOWDOWN FLASH TANK	② AIR SUPPLY FAN (FOR BOILER AREA) 1B	
		3F-06 UPPER PART OF FLY ASH SOLIDIFICATION TREATMENT AREA	⑤ IGNITION BURNER AIR FAN	③ AIR SUPPLY FAN (FOR BOILER AREA) 2A	
3F-03 ELECT/CONTROL ROOM FOR SNCR NOX	① FLY ASH FEEDER	3F-10 UPPER PART OF T/G ROOM	⑥ 2 TON HOIST FOR SECONDARY AIR FAN ROOM		
① SNCR NOX REMOVAL SYSTEM LP	② CEMENT FEEDER	① TURBINE ROOM CRANE			

[INSTRUCTIONS]
This drawing/document is protected by the Japanese Copyright Law, the Unfair Competition Law, and international treaty provisions, and applicable laws of the country in which it is used.
This drawing/document, being the property of Mitsubishi Heavy Industries, Ltd. and/or the originating provider, may neither be copied, reproduced, read by any other third party nor used for any purpose other than designated without previous written consent of Mitsubishi Heavy Industries, Ltd., regardless of the status of patent, whether prior to filing, pending or registered.

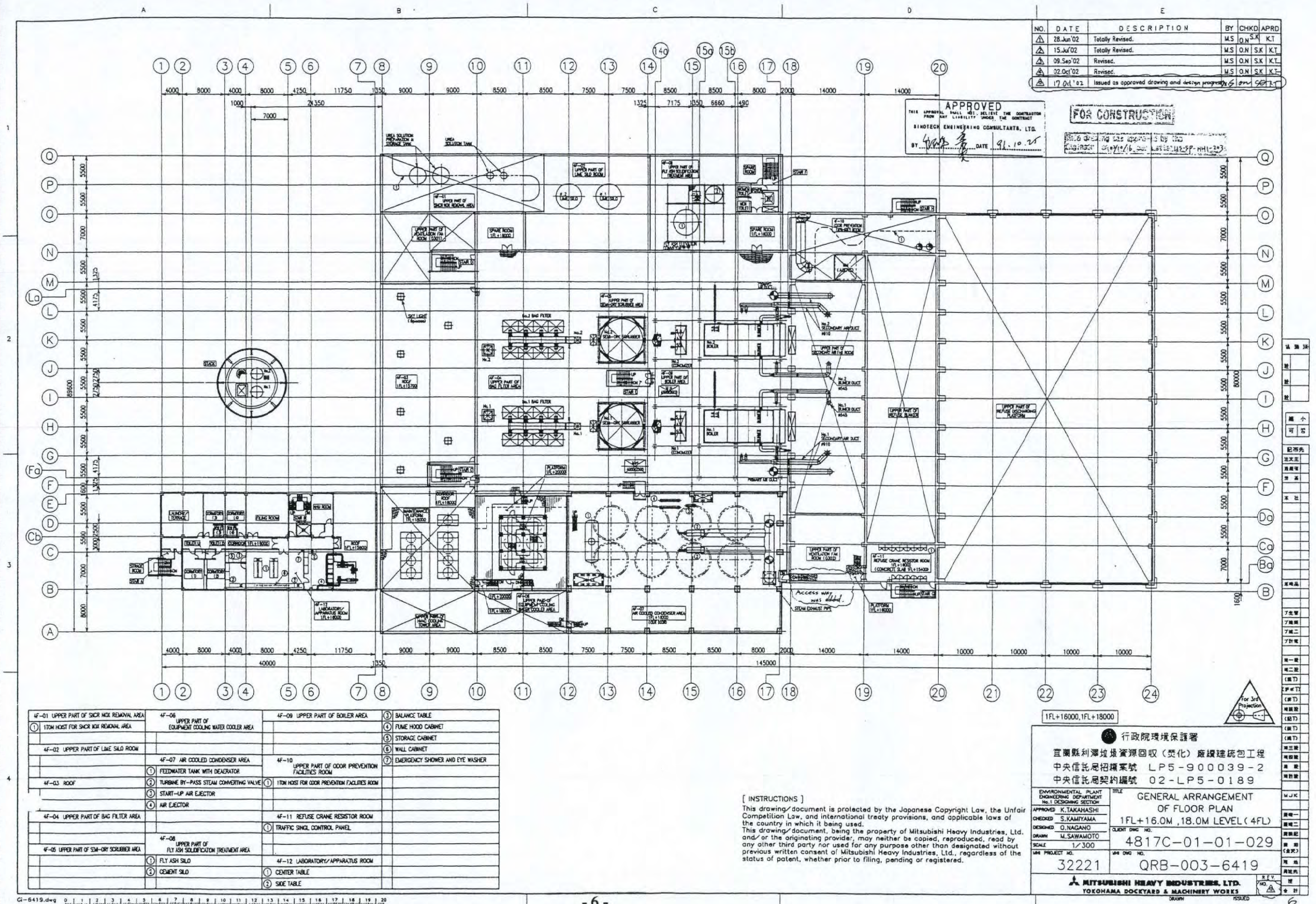
1FL+11.300, 1FL+12.000, 1FL+12.200, 1FL+14.000

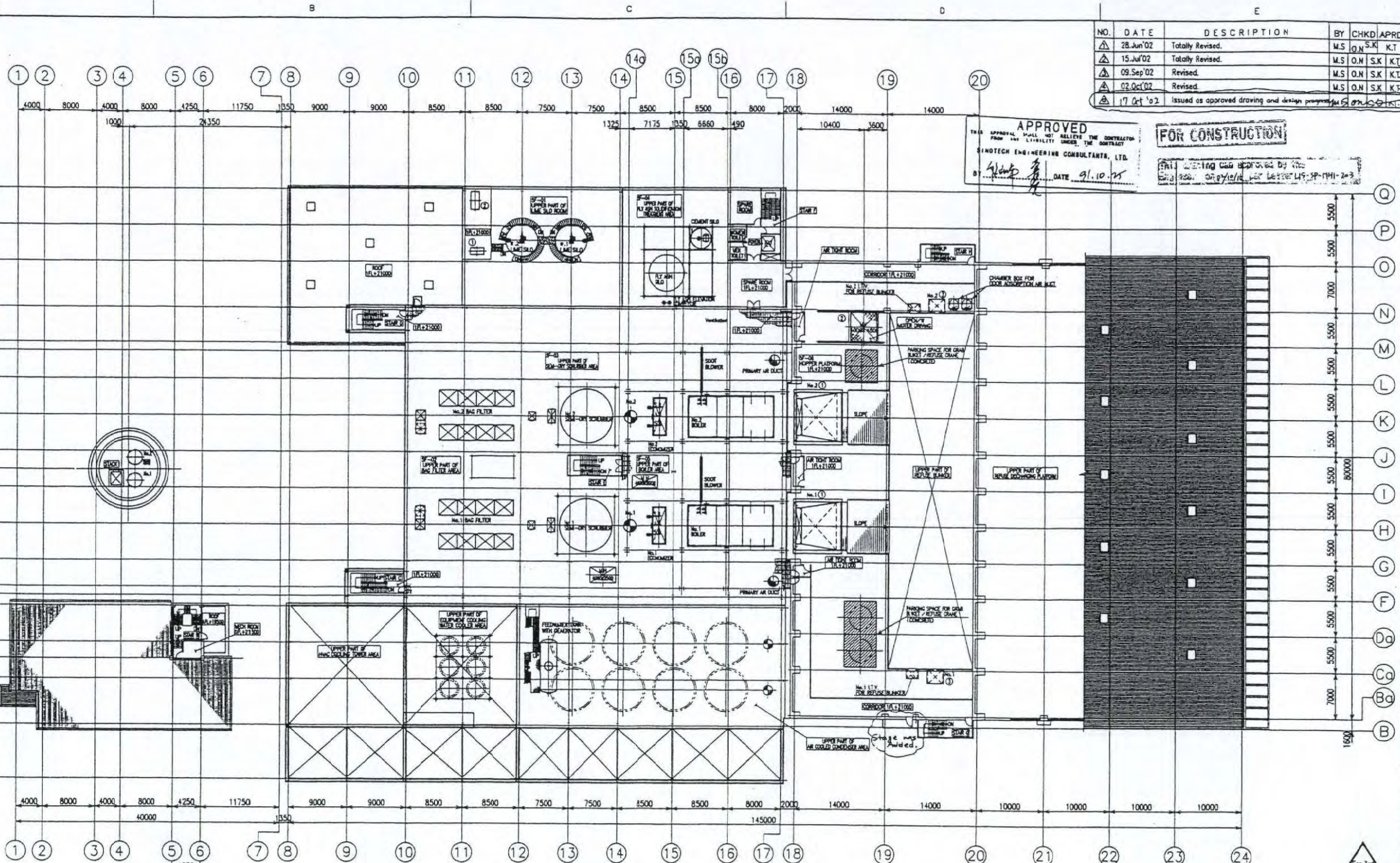
行政院環境保護署
宜蘭縣利澤坌資源回收(焚化)廠總建築包工程
中央信託局招標案號 LP5-900039-2
中央信託局契約編號 02-LP5-0189

ENVIRONMENTAL PLANT
ENGINEERING DEPARTMENT
No.1 DESIGNING SECTION
APPROVED: K.TAKAHASHI
CHECKED: S.KAMITAMA
DESIGNED: O.NAGANO
SCALE: 1/300
MHI PROJECT NO.: 32221
MHI DWG NO.: QRB-003-6418

GENERAL ARRANGEMENT
OF FLOOR PLAN
1FL+12.0M LEVEL (3FL)
CLIENT DWG NO.: 4817C-01-01-028
REV. NO.: 1

MITSUBISHI HEAVY INDUSTRIES, LTD.
YOKOHAMA DOCKYARD & MACHINERY WORKS





NO.	DATE	DESCRIPTION	BY	CHKD	APRD
1	28.Jun'02	Totally Revised.	M.S.	O.N.	S.K.
2	15.Jul'02	Totally Revised.	M.S.	O.N.	S.K.
3	09.Sep'02	Revised.	M.S.	O.N.	S.K.
4	02.Oct'02	Revised.	M.S.	O.N.	S.K.
5	17.Oct'02	Issued as approved drawing and design program.	M.S.	O.N.	S.K.

APPROVED
THIS APPROVAL SHALL NOT RELIEVE THE CONTRACTOR FROM ANY LIABILITY UNDER THE CONTRACT.
SHINTECH ENGINEERING CONSULTANTS, LTD.
DATE 9.10.05

FOR CONSTRUCTION

1FL+24700 PLAN

SF-01 UPPER PART OF LIME SILO ROOM	SF-04 UPPER PART OF FLY ASH SOLIDIFICATION TREATMENT AREA	SF-06 HOPPER PLATFORM
1R EXHAUST FAN (FOR FLY ASH SOLIDIFICATION TREATMENT AREA)		1 REFUSE CHARGING HOPPER
2 AIR EXHAUST FAN (FOR LIME SILO ROOM)		2 MAINTENANCE HATCH DOOR
SF-02 UPPER PART OF BAG FILTER AREA	SF-05 UPPER PART OF BOILER AREA	3 FIRE FIGHTING GUN
SF-03 UPPER PART OF SEMI-DRY SCRUBBER AREA		

[INSTRUCTIONS]
This drawing/document is protected by the Japanese Copyright Law, the Unfair Competition Law, and international treaty provisions, and applicable laws of the country in which it is used.
This drawing/document, being the property of Mitsubishi Heavy Industries, Ltd. and/or the originating provider, may neither be copied, reproduced, read by any other third party nor used for any purpose other than designated without previous written consent of Mitsubishi Heavy Industries, Ltd., regardless of the status of patent, whether prior to filing, pending or registered.

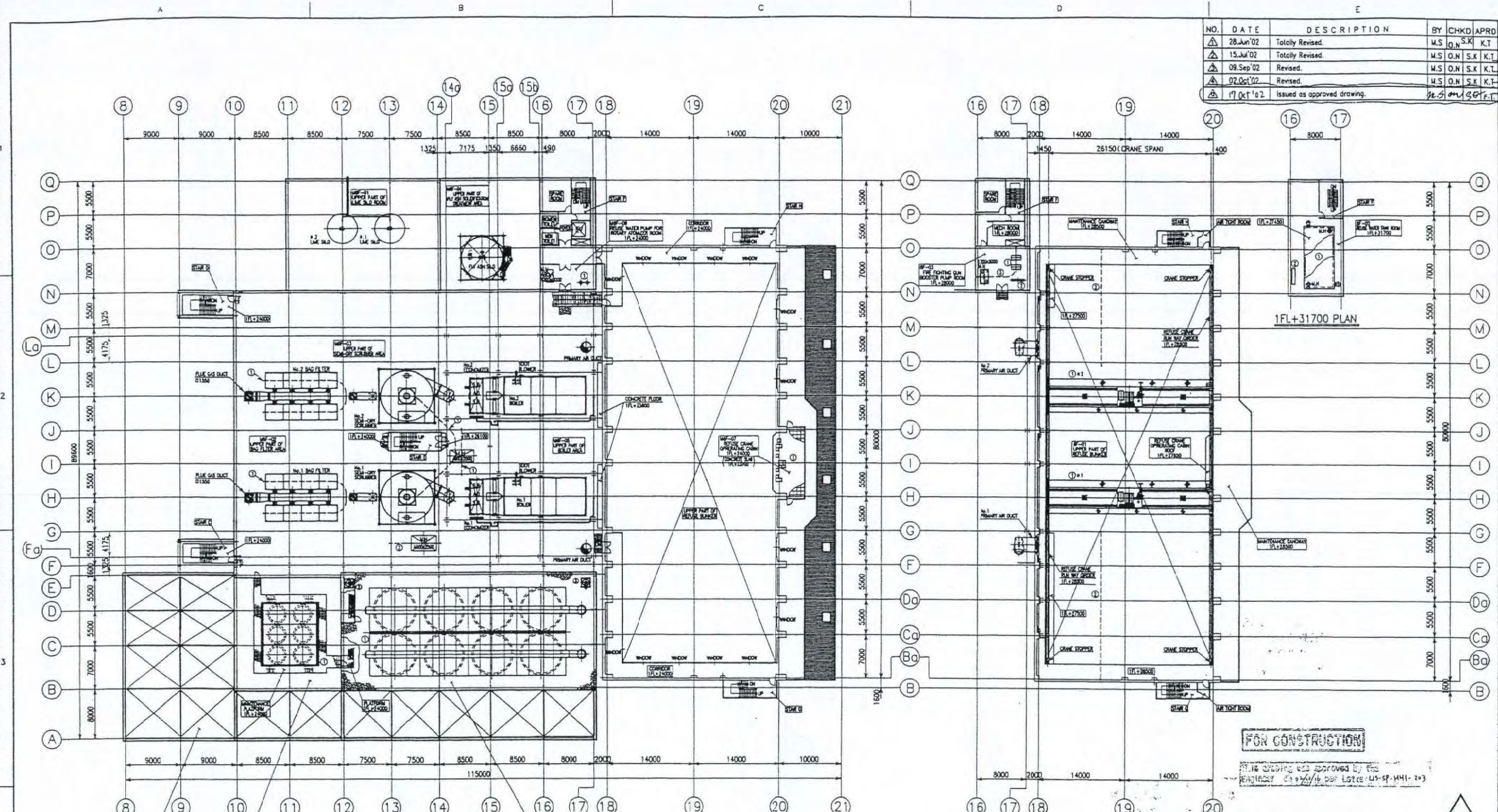
行政院環境保護署
宜蘭縣利澤垃圾資源回收(焚化)廠續建統包工程
中央信託局招標案號 LP5-900039-2
中央信託局契約編號 02-LP5-0189

ENVIRONMENTAL PLANT
ENGINEERING DEPARTMENT
No.1 DESIGNING SECTION

APPROVED K.TAKAHASHI
CHECKED S.KAMIYAMA
DESIGNED O.NAGANO
DRAWN M.SAWAMOTO
SCALE 1/300
SHE PROJECT NO. 32221

TITLE
GENERAL ARRANGEMENT
OF FLOOR PLAN
1FL+21.0M LEVEL (5FL)
CLIENT DWG. NO. 4817C-01-01-030
SHE DWG. NO. QRB-003-6420

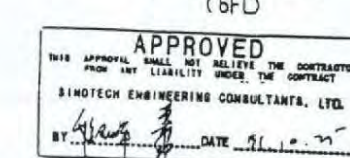
MITSUBISHI HEAVY INDUSTRIES, LTD.
YOKOHAMA DOCKYARD & MACHINERY WORKS



NO.	DATE	DESCRIPTION	BY	CHKD	APRD
1	28.Jun'02	Totally Revised.	M.S.	O.N.	S.K.
2	15.Jul'02	Totally Revised.	M.S.	O.N.	S.K.
3	09.Sep'02	Revised.	M.S.	O.N.	S.K.
4	02.Oct'02	Revised.	M.S.	O.N.	S.K.
5	17.Oct'02	Issued as approved drawing.	M.S.	O.N.	S.K.

W6F-01 UPPER PART OF LIME SLD ROOM	W6F-04 UPPER PART OF FLY ASH SOLIDIFICATION TREATMENT AREA	W6F-07 REFUSE CRANE OPERATION CABIN	6F-01 UPPER PART OF REFUSE BUNKER
W6F-02 UPPER PART OF BAG FILTER AREA	W6F-05 UPPER PART OF BOILER AREA	W6F-08 UPPER PART OF EQUIPMENT COOLING WATER COOLER AREA	6F-02 REFUSE WATER TANK ROOM
W6F-03 UPPER PART OF SEMI-DRY SCRUBBER AREA	W6F-06 UPPER PART OF AIR COOLED CONDENSER AREA	W6F-09 REFUSE WATER PUMP FOR ROTARY ATOMIZER ROOM	6F-03 FIRE FIGHTING GUN BOOSTER PUMP ROOM
1 2 TON HOST FOR SEMI-DRY SCRUBBER AREA	1 AIR COOLED CONDENSER	1 REFUSE WATER SUPPLY PUMP FOR ROTARY ATOMIZER	1 FIRE FIGHTING GUN BOOSTER PUMP
2 3 TON HOST FOR BOILER HOUSE #2	2 U.P. STEAM SILENCER	1 REFUSE WATER DISTRIBUTOR	2 REFUSE WATER DISTRIBUTOR
	3 EXHAUST STEAM RELIEVING SILENCER	1 TON MAINTENANCE BEAM	

[INSTRUCTIONS]
 This drawing/document is protected by the Japanese Copyright Law, the Unfair Competition Law, and international treaty provisions, and applicable laws of the country in which it being used.
 This drawing/document, being the property of Mitsubishi Heavy Industries, Ltd. and/or the originating provider, may neither be copied, reproduced, read by any other third party nor used for any purpose other than designated without previous written consent of Mitsubishi Heavy Industries, Ltd., regardless of the status of patent, whether prior to filing, pending or registered.



FOR CONSTRUCTION

1FL+24000, 1FL+28000, 1FL+28500, 1FL+31700

行政院環境保護署
 宜蘭縣利澤垃圾資源回收(焚化)廠擴建統包工程
 中央信託局招標案號 LP5-900039-2
 中央信託局契約編號 02-LP5-0189

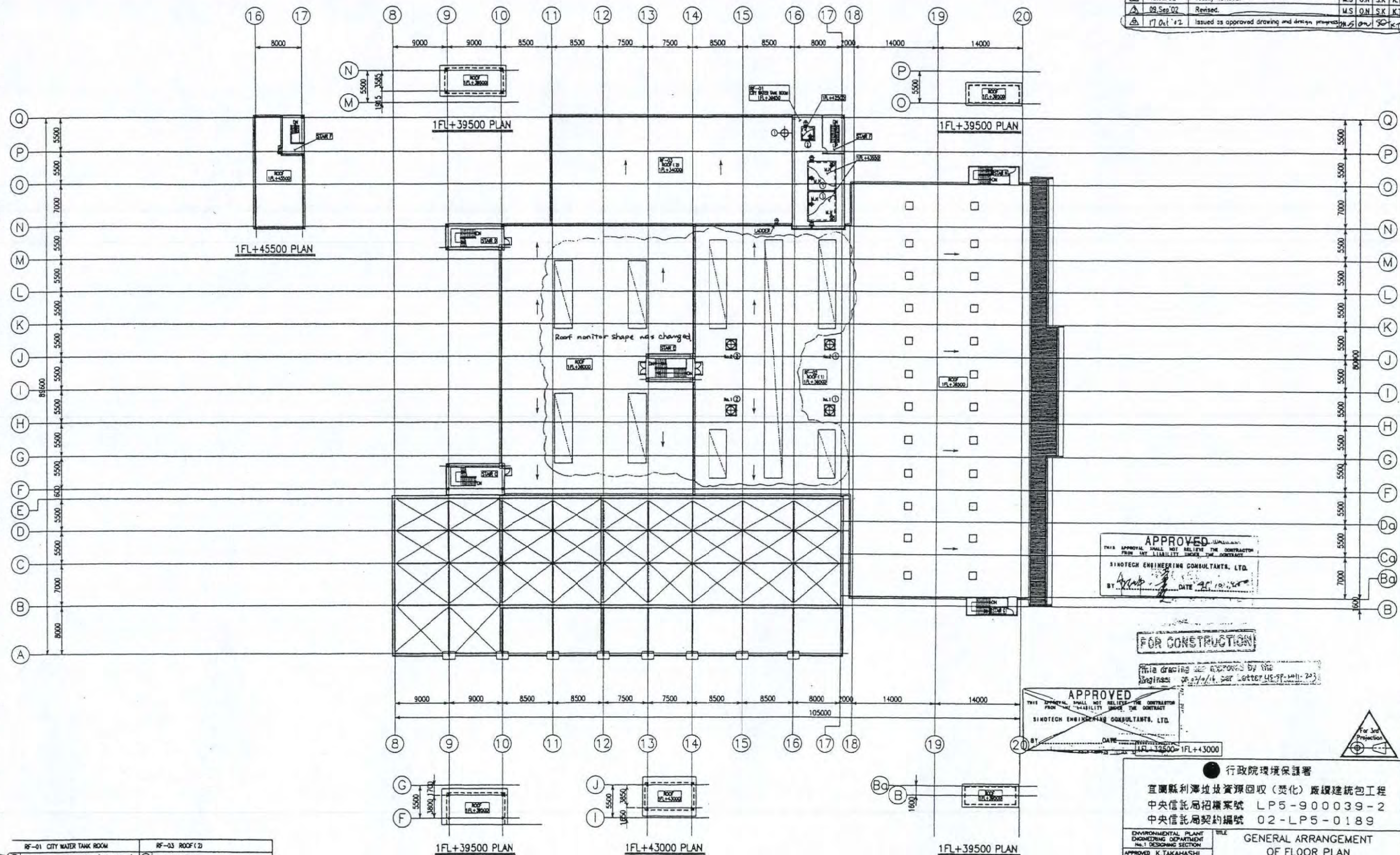
ENVIRONMENTAL PLANT
 ENGINEERING DEPARTMENT
 No.1 DESIGNING SECTION

APPROVED K.TAKAHASHI
 CHECKED S.KAMITAMA
 DESIGNED O.NAGANO
 DRAWN M.SAWAMOTO
 SCALE 1/300
 LAY PROJECT NO. 32221
 LAY DWG NO. QRB-003-6421

GENERAL ARRANGEMENT
 OF FLOOR PLAN
 1FL+24.0M (M6F), 29.5M (6FL)
 CLIENT DWG NO. 4817C-01-01-031

MITSUBISHI HEAVY INDUSTRIES, LTD.
 YOKOHAMA DOCKYARD & MACHINERY WORKS

NO.	DATE	DESCRIPTION	BY	CHKD	APRD
△	28 Jun '02	Totally Revised.	MS	ON S.K	K.T
△	15 Jul '02	Totally Revised.	MS	ON S.K	K.T
△	09 Sep '02	Revised.	MS	ON S.K	K.T
△	17 Oct '02	Issued as approved drawing and design progress	MS	ON S.K	K.T



RF-01 CITY WATER TANK ROOM		RF-03 ROOF (2)	
①	CITY WATER ROOF TANK (55 m ² x 2 = 110 m ²)	①	EXPANSION TANK
②	POTABLE WATER ROOF TANK (4m ³)		
RF-02 ROOF (1)			
①	SILENCER FOR BOILER DRUM		
②	SILENCER FOR SUPER HEATER		

[INSTRUCTIONS]

This drawing/document is protected by the Japanese Copyright Law, the Unfair Competition Law, and international treaty provisions, and applicable laws of the country in which it being used.

This drawing/document, being the property of Mitsubishi Heavy Industries, Ltd. and/or the originating provider, may neither be copied, reproduced, read by any other third party nor used for any purpose other than designated without previous written consent of Mitsubishi Heavy Industries, Ltd., regardless of the status of patent, whether prior to filing, pending or registered.

ENVIRONMENTAL PLANT ENGINEERING DEPARTMENT No. 1 DESIGN SECTION	TITLE
APPROVED K.TAKAHASHI	GENERAL ARRANGEMENT OF FLOOR PLAN 1FL+32.0M~39.5M LEVEL (RFL)
CHECKED S.KAMIYAMA	CLIENT DWG NO.
DESIGNED O.NAGANO	4817C-01-01-032
DRAWN M.SAWAMOTO	
SCALE 1/300	
MEP PROJECT NO.	MEP DWG NO.
32221	QRB-003-6422
 MITSUBISHI HEAVY INDUSTRIES, LTD. TOKYOMA BOECATY & MACHINERY WORKS	
REV. 	

APPROVED

THIS APPROVAL SHALL NOT RELIEVE THE CONTRACTOR FROM ANY LIABILITY UNDER THE CONTRACT

SINOTECH ENGINEERING CONSULTANTS, LTD.

BY *[Signature]* DATE 91.10.25

FOR CONSTRUCTION

THIS CHECKING WAS CANCELED BY THE
BANK OF AMERICA 02/10/16 FOR US-SP-MHJ-20

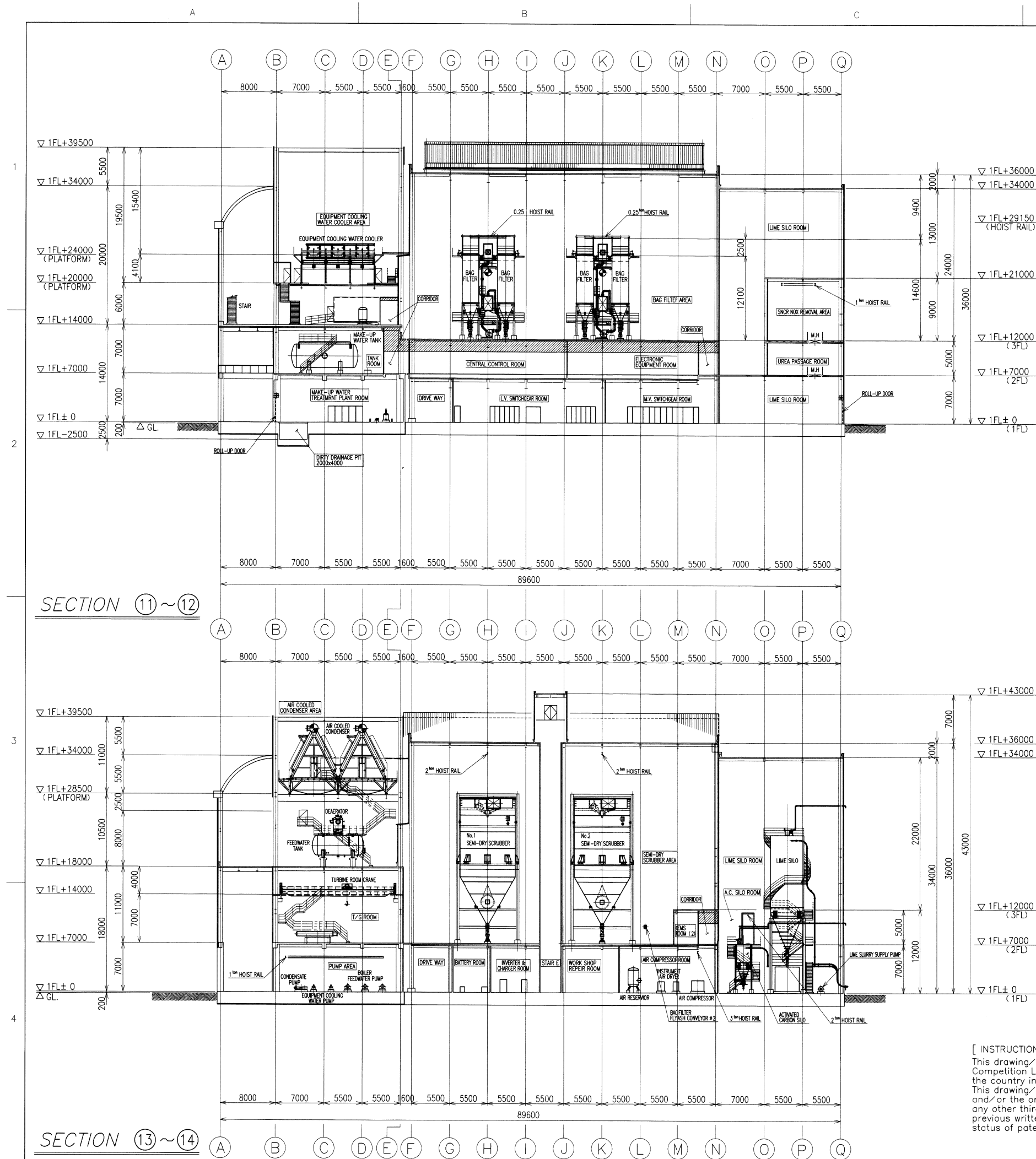


This drawing/document is protected by the Japanese Copyright Law, the Unfair Competition Law, and international treaty provisions, and applicable laws of the country in which it being used.

This drawing/document, being the property of Mitsubishi Heavy Industries, Ltd. and/or the originating provider, may neither be copied, reproduced, used, by any other third party nor used for any purpose other than design without the previous written consent of Mitsubishi Heavy Industries, Ltd., regardless of the status of patent, whether prior to filing, pending or registered.

ENVIRONMENTAL PLANT ENGINEERING DEPARTMENT No.1 DESIGNING SECTION	TITLE
APPROVED K.TAKAHASHI	GENERAL ARRANGEMENT OF LONGITUDINAL SECTION (H)-(I)
CHECKED S.KAMITAMA	CLIENT DWG NO.
DESIGNED O.NAGANO	4817C-01-01-02
DRAWN M.SAWAMOTO	1/4 DWG NO.
SCALE 1/300	32221 QRB-003-6414
1/4 PROJECT NO.	

 **MITSUBISHI HEAVY INDUSTRIES, LTD.**
YOKOHAMA DOCKYARD & MACHINERY WORKS



NO.	DATE	DESCRIPTION	BY	CHKD	APRD
△	28.Jun'02	Totally Revised.	M.S	O.N ^{S.K}	K.T
△	15.Jul'02	Totally Revised.	M.S	O.N ^{S.K}	K.T
△	09.Sep'02	Revised.	M.S	O.N ^{S.K}	K.T
△	17.Oct'02	Issued as approved drawing and design progress.	M.S	O.N ^{S.K}	K.T
△	01.Dec'03	Totally Revised.	M.S	O.N ^{S.K}	A.T
△	19.Feb'04	Issued as approved drawing.	M.S	O.N ^{S.K}	A.T
△	15.Oct.'04	For Review.	M.S	O.N ^{S.K}	A.T
△	07.Apr.'05	As Built.	A.K	on	AT

竣工圖	
中興工程顧問股份有限公司	統包商日商三菱重工業
審核	批准
日期	中華民國94年11月20日 中華民國94年4月14日

行政院環境保護署	
宜蘭縣利澤垃圾資源回收(焚化)廠續建統包工程	
中央信託局招標案號 LP5-900039-2	
中央信託局契約編號 02-LP5-0189	
ENVIRONMENTAL PLANT ENGINEERING DEPARTMENT No.1 DESIGNING SECTION	TITLE GENERAL ARRANGEMENT OF LONGITUDINAL SECTION 11-12 AND 13-14
APPROVED K.TAKAHASHI	CLIENT DWG NO.
CHECKED S.KAMIYAMA	4817C-01-01-033
DESIGNED O.NAGANO	MHI PROJECT NO.
DRAWN M.SAWAMOTO	32221
SCALE 1/300	MHI DWG NO.
32221	QRB-003-6423
MITSUBISHI HEAVY INDUSTRIES, LTD. YOKOHAMA DOCKYARD & MACHINERY WORKS	
DRAWN	ISSUED

[INSTRUCTIONS]
This drawing/document is protected by the Japanese Copyright Law, the Unfair Competition Law, and international treaty provisions, and applicable laws of the country in which it being used.
This drawing/document, being the property of Mitsubishi Heavy Industries, Ltd. and/or the originating provider, may neither be copied, reproduced, read by any other third party nor used for any purpose other than designated without previous written consent of Mitsubishi Heavy Industries, Ltd., regardless of the status of patent, whether prior to filing, pending or registered.

協議済
設
設
設

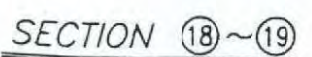
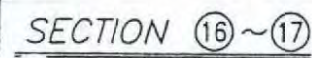
縮小
可
否

配布先
注文主
適度省
労基
本社

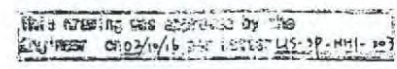
原簿品
プ生管
プ建築
プ建二
プ計電

理一設
理二設
理三設
理四設
理五設
理六設
理七設
理八設
理九設
理十設
理十一設
理十二設
理十三設
理十四設
理十五設
理十六設
理十七設
理十八設
理十九設
理二十設
理二十一設
理二十二設
理二十三設
理二十四設
理二十五設
理二十六設
理二十七設
理二十八設
理二十九設
理三十設
理三十一設
理三十二設
理三十三設
理三十四設
理三十五設
理三十六設
理三十七設
理三十八設
理三十九設
理四十設
理四十一設
理四十二設
理四十三設
理四十四設
理四十五設
理四十六設
理四十七設
理四十八設
理四十九設
理五十設
理五十一設
理五十二設
理五十三設
理五十四設
理五十五設
理五十六設
理五十七設
理五十八設
理五十九設
理六十設
理六十一設
理六十二設
理六十三設
理六十四設
理六十五設
理六十六設
理六十七設
理六十八設
理六十九設
理七十設
理七十一設
理七十二設
理七十三設
理七十四設
理七十五設
理七十六設
理七十七設
理七十八設
理七十九設
理八十設
理八十一設
理八十二設
理八十三設
理八十四設
理八十五設
理八十六設
理八十七設
理八十八設
理八十九設
理九十設
理九十一設
理九十二設
理九十三設
理九十四設
理九十五設
理九十六設
理九十七設
理九十八設
理九十九設
理一百設

MJK
理一
理二
理三
理四
理五
理六
理七
理八
理九
理十
理十一
理十二
理十三
理十四
理十五
理十六
理十七
理十八
理十九
理二十
理二十一
理二十二
理二十三
理二十四
理二十五
理二十六
理二十七
理二十八
理二十九
理三十
理三十一
理三十二
理三十三
理三十四
理三十五
理三十六
理三十七
理三十八
理三十九
理四十
理四十一
理四十二
理四十三
理四十四
理四十五
理四十六
理四十七
理四十八
理四十九
理五十
理五十一
理五十二
理五十三
理五十四
理五十五
理五十六
理五十七
理五十八
理五十九
理六十
理六十一
理六十二
理六十三
理六十四
理六十五
理六十六
理六十七
理六十八
理六十九
理七十
理七十一
理七十二
理七十三
理七十四
理七十五
理七十六
理七十七
理七十八
理七十九
理八十
理八十一
理八十二
理八十三
理八十四
理八十五
理八十六
理八十七
理八十八
理八十九
理九十
理九十一
理九十二
理九十三
理九十四
理九十五
理九十六
理九十七
理九十八
理九十九
理一百

[illegible]

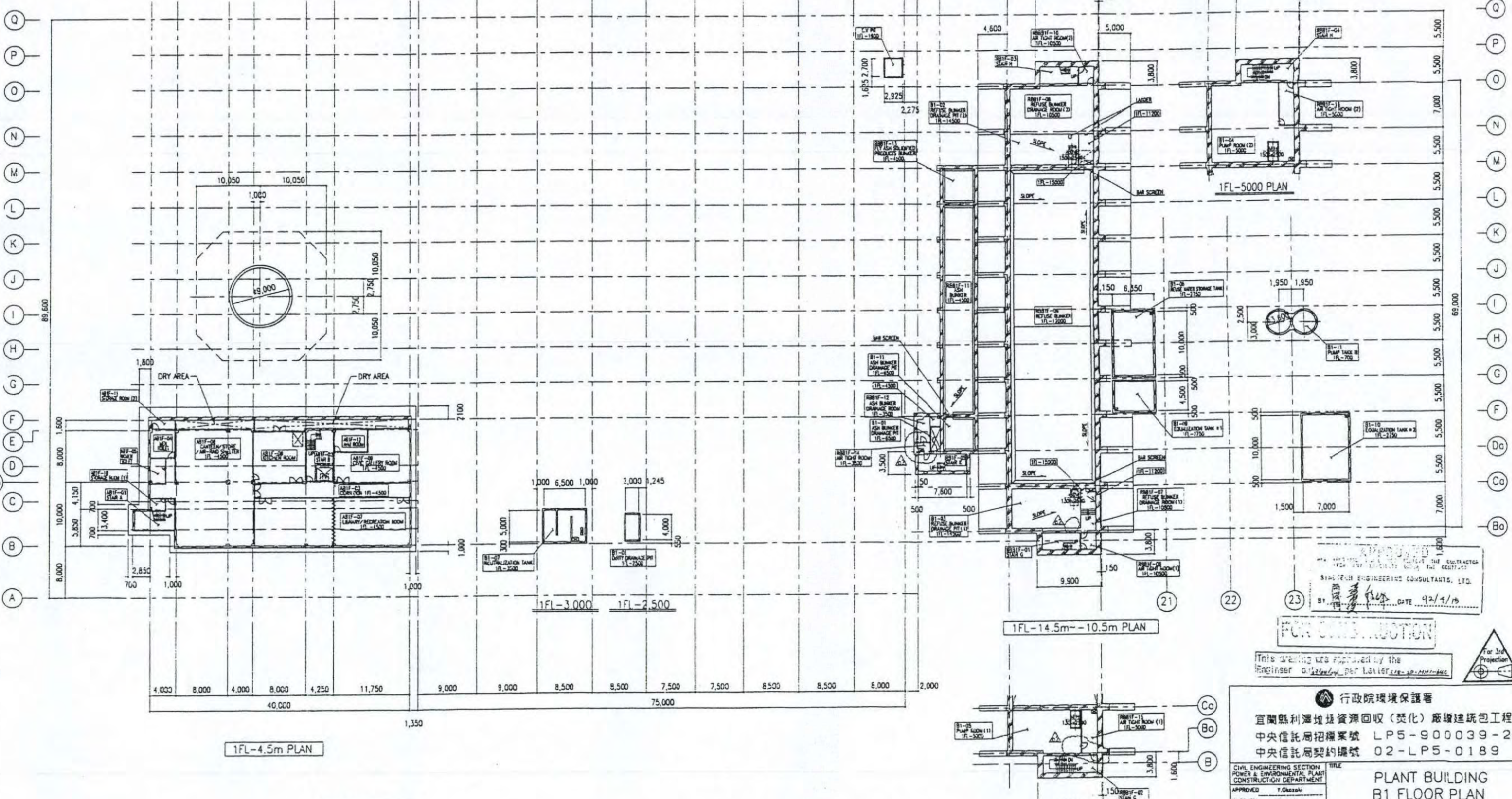
This drawing/document, being the property of Mitsubishi Heavy Industries, Ltd. and/or the originating provider, may neither be copied, reproduced, read by any other third party nor used for any purpose other than designated without previous written consent of Mitsubishi Heavy Industries, Ltd., regardless of the status of patent, whether prior to filing, pending or registered.



ENVIRONMENTAL PLANT ENGINEERING DEPARTMENT NO.1 DESIGNING SECTION	TITLE GENERAL ARRANGEMENT OF LONGITUDINAL SECTION (16)-(17) AND (18)-(19)
APPROVED K.TAKAHASHI	CHECKED O.W. NO.
CHECKED S.KAMİYAMA	4817C-01-01-034
DESIGNED O.NAGANO	QRB-003-6424
DRAWN M.SAWAMOTO	REV. NO. 1
SCALE 1/300	
WPI PROJECT NO. 32221	
MITSUBISHI HEAVY INDUSTRIES, LTD. YOKOHAMA DOCKYARD & MACHINERY WORKS	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

NO.	DATE	DESCRIPTION	BY	CHECK	APPROV
1	22 Nov 2002	1. Added Room No. and Dimensions. 2. Revised of Marked Parts	M.J.	S.D.	Y.O.
2	21 Nov 2003	Revised of Marked Parts			
3	14 Jan 2004	Issued for Construction			



STAIR DIMENSION	
Min. width	1200mm
Min. run	240mm
Max. rise	200mm

APPROVED
SINOTRUST ENGINEERING CONSULTANTS, LTD.
DATE: 9/2/1/15

FOR CONSTRUCTION

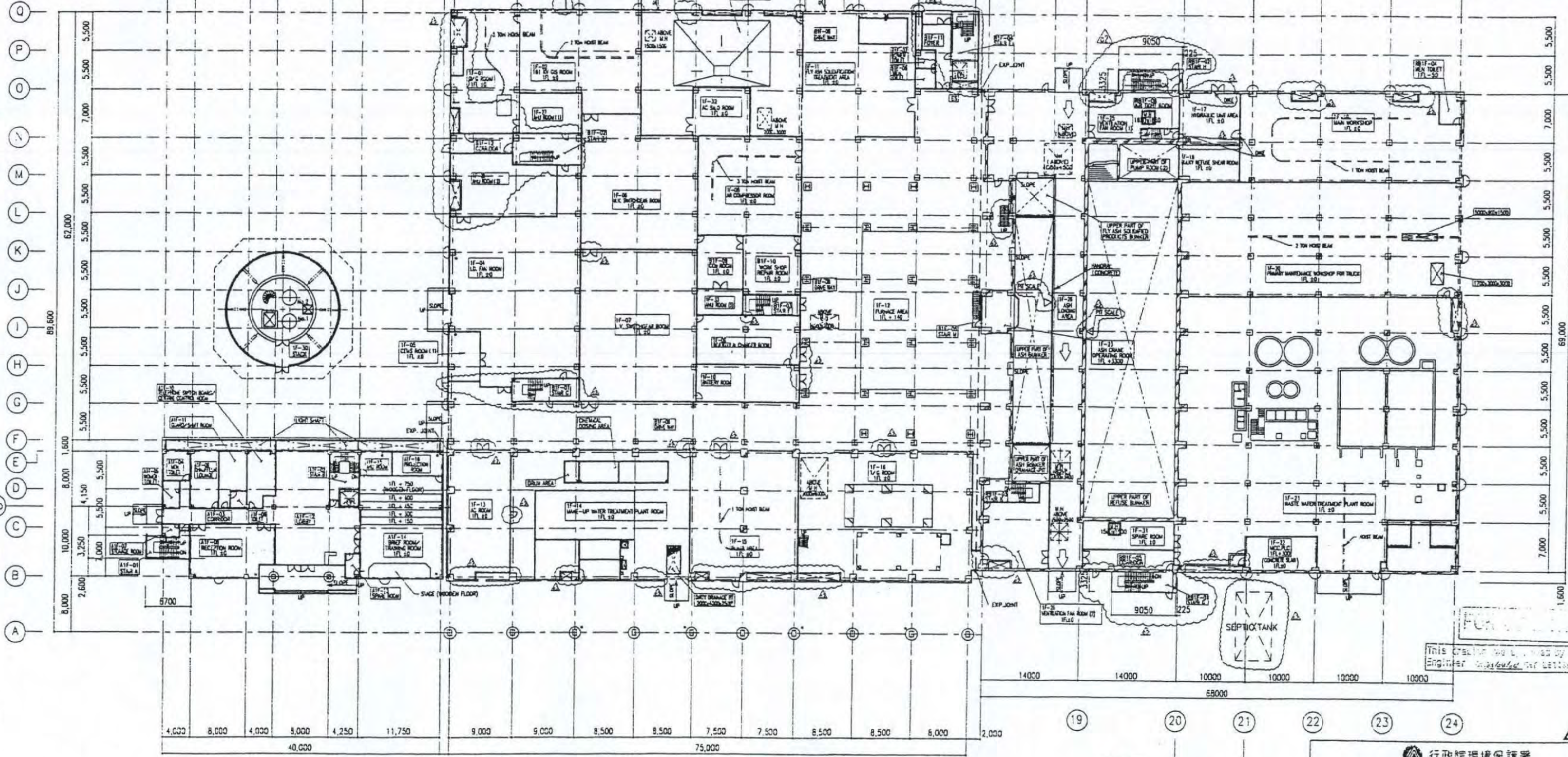
This drawing was approved by the
Engineer [Signature] per Letter [Signature] to [Signature]

行政院環境保護署 宜蘭縣利澤坌資源回收(焚化)廠廠建統包工程 中央信託局招標案號 LP5-900039-2 中央信託局契約編號 02-LP5-0189	
CIVIL ENGINEERING SECTION POWER & ENVIRONMENTAL PLANT CONSTRUCTION DEPARTMENT	TITLE PLANT BUILDING B1 FLOOR PLAN
APPROVED: T. Okazaki CHECKED: Kuwano DESIGNED: H. Sugita DRAWN: [Signature] SCALE: 1/300 PROJECT NO.: 32221	CURT DWG. NO.: 4817C-17-02-019 DWG. NO.: KZB-01-M1170
MITSUBISHI HEAVY INDUSTRIES, LTD. YOKOHAMA DOCKYARD & MACHINERY WORKS	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

NO.	DATE	DESCRIPTION	BY	CHKD	APRD
1	10 Nov 2003	1. Added Room No. and Dimensions. 2. Added Ventilation Air Chamber. 3. Revised at Worked Parts	M.J.	S.O.	Y.O.
2	13 Nov 2003	Revised at Worked Parts			
3	14 Apr 2004	Revised for construction			

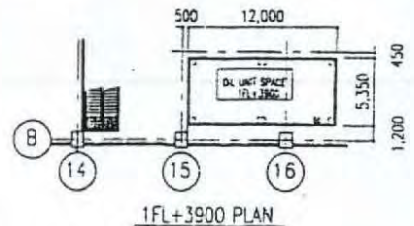
SHING TECH ENGINEERING CONSULTANTS, LTD.
DATE 9/24/15



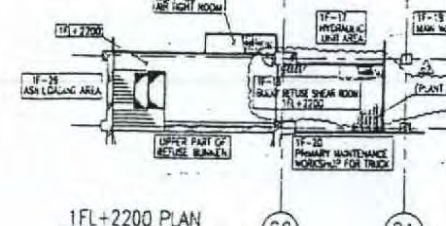
LEGEND	
	RC. wall
	Gypsum or Master Board on Light Weight Steel Stud
	Extruded Cement Panel wall

STAIR DIMENSION	
Min. width	1200mm
Min. run	240mm
Max. rise	200mm

1FL±0.0m PLAN



1FL+3900 PLAN



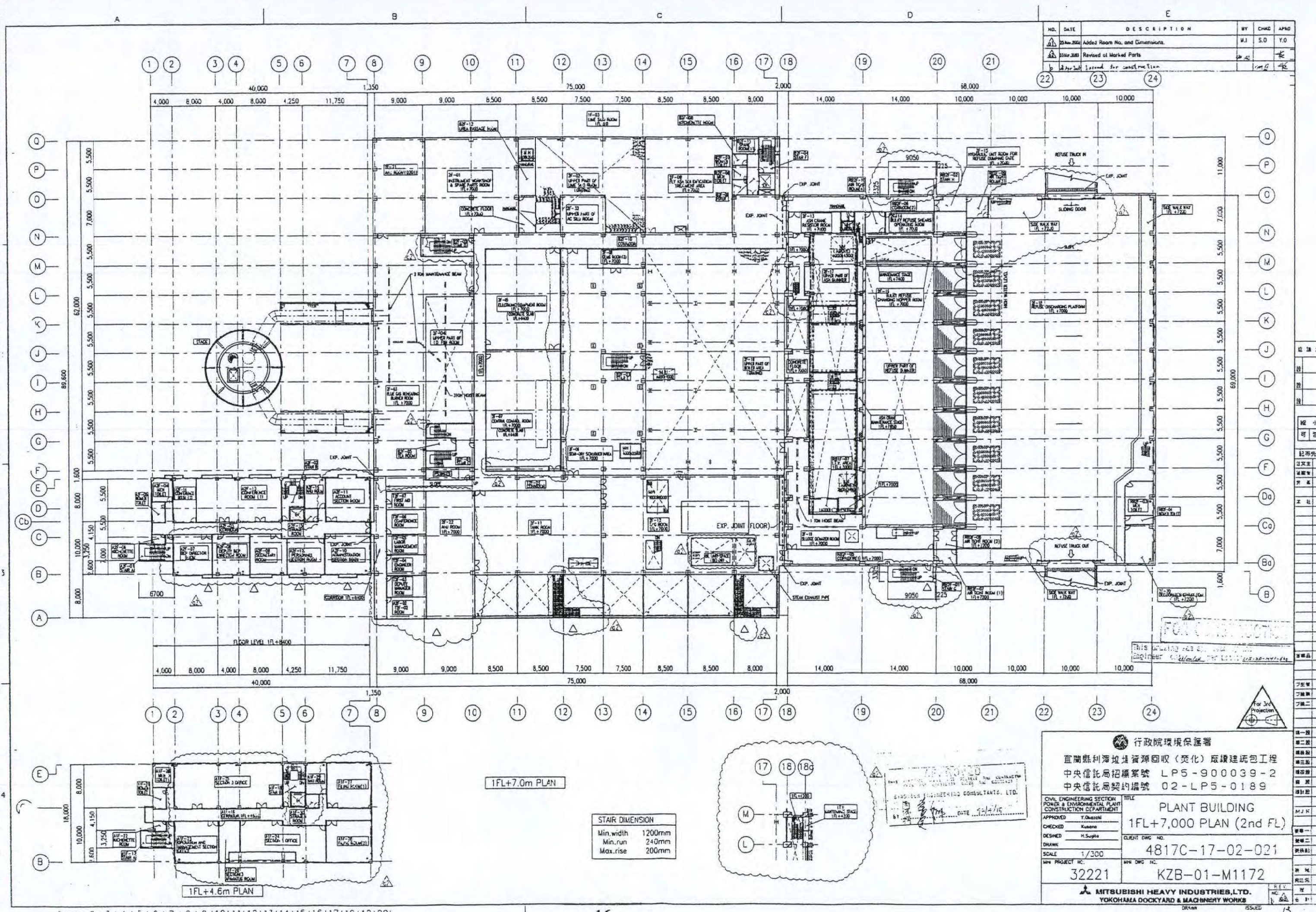
1FL+2200 PLAN

行政院環境保護署
宜蘭縣利澤坌垃圾資源回收(焚化)廠廠建統包工程
中央信託局招標案號 LP5-900039-2
中央信託局契約編號 02-LP5-0189

CIVIL ENGINEERING SECTION
POWER & ENVIRONMENTAL PLANT
CONSTRUCTION DEPARTMENT

APPROVED: Y. Ohashi
CHECKED: K. S. S. S.
DESIGNED: H. S. S. S.
DRAWN: H. S. S. S.
SCALE: 1/300
PROJECT NO.: 32221
JOB NO.: KZB-01-M1171

TITLE: PLANT BUILDING
1FL±0.000 PLAN (1st FL)
CLIENT DWG NO.: 4817C-17-02-020
MITSUBISHI HEAVY INDUSTRIES, LTD.
YOKOHAMA DOCKYARD & MACHINERY WORKS



NO.	DATE	DESCRIPTION	BY	CHKD	APRD
22	23-Mar-2004	Added Room No. and Dimensions.	W.J.	S.O.	Y.O.
23	23-Mar-2004	Revised at Marked Parts			
24	23-Apr-2004	Issued for construction			

行政院環境保護署

宜蘭縣利澤垃圾資源回收(焚化)廠擴建包工工程

中央信託局招標案號 LP5-900039-2

中央信託局契約編號 02-LP5-0189

CIVIL ENGINEERING SECTION
POWER & ENVIRONMENTAL PLANT
CONSTRUCTION DEPARTMENT

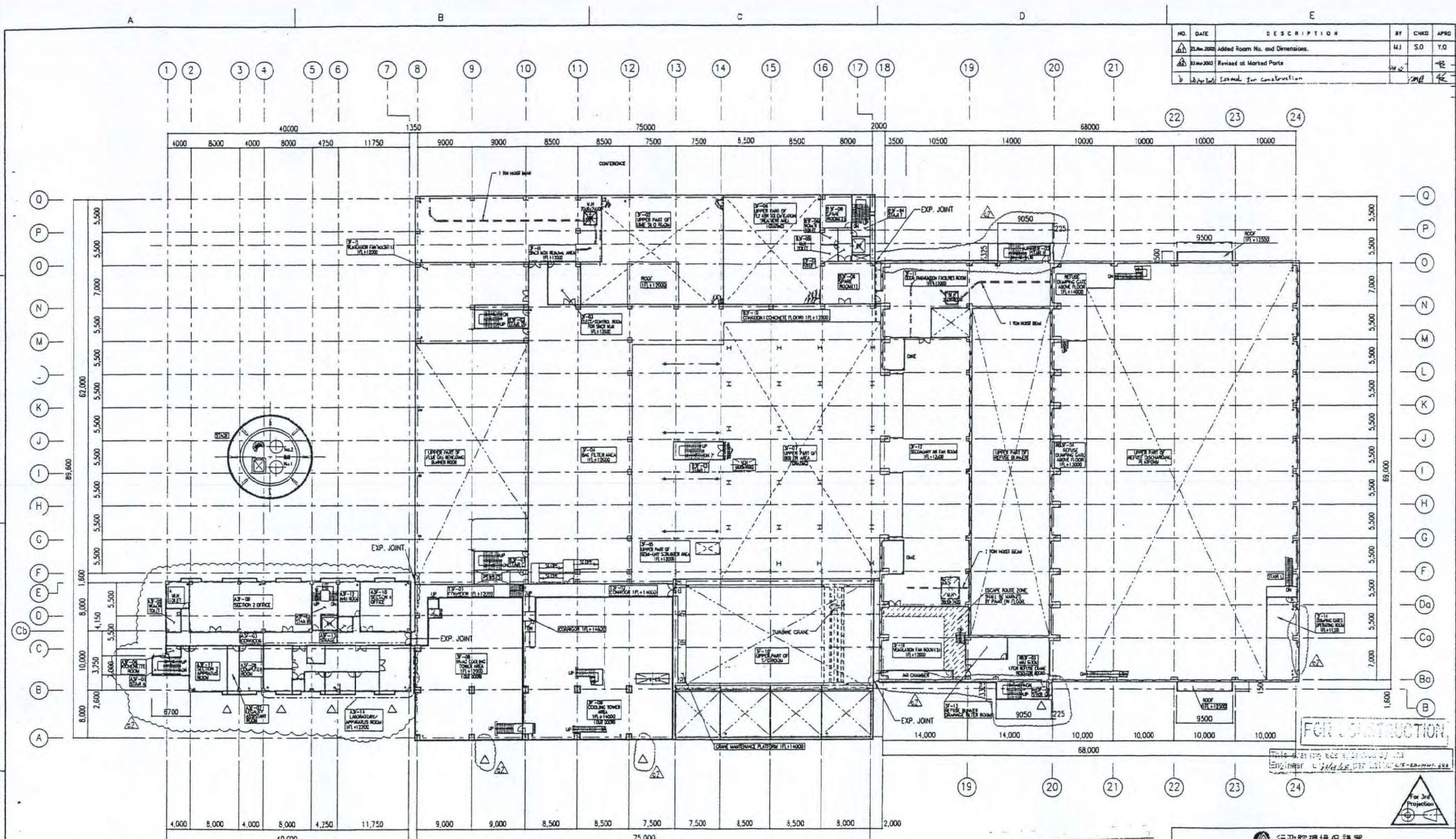
APPROVED: T. Okazaki
CHECKED: Kubono
DESIGNED: H. Sugita
DRAWN: [blank]
SCALE: 1/300
MVA PROJECT NO.: 32221

PLANT BUILDING
1FL+7,000 PLAN (2nd FL)

CLIENT CMC NO.: 4817C-17-02-021

MVA CMC NO.: KZB-01-M1172

MITSUBISHI HEAVY INDUSTRIES, LTD.
YOKOHAMA DOCKYARD & MACHINERY WORKS



NO.	DATE	DESCRIPTION	BY	CHKD	APPRO
1	25-Mar-2002	Added Room No. and Dimensions.	M.J.	S.O.	Y.O.
2	25-Mar-2002	Revised at Marked Parts	M.J.	S.O.	Y.O.
3	25-Mar-2002	Issued for construction	M.J.	S.O.	Y.O.

1FL+12.0m PLAN

STAIR DIMENSION	
Min. width	1200mm
Min. run	240mm
Max. rise	200mm

APPROVED
This drawing was prepared by the CONTRACTOR
SINGTECH ENGINEERING CONSULTANTS, LTD.
DATE 2/1/15

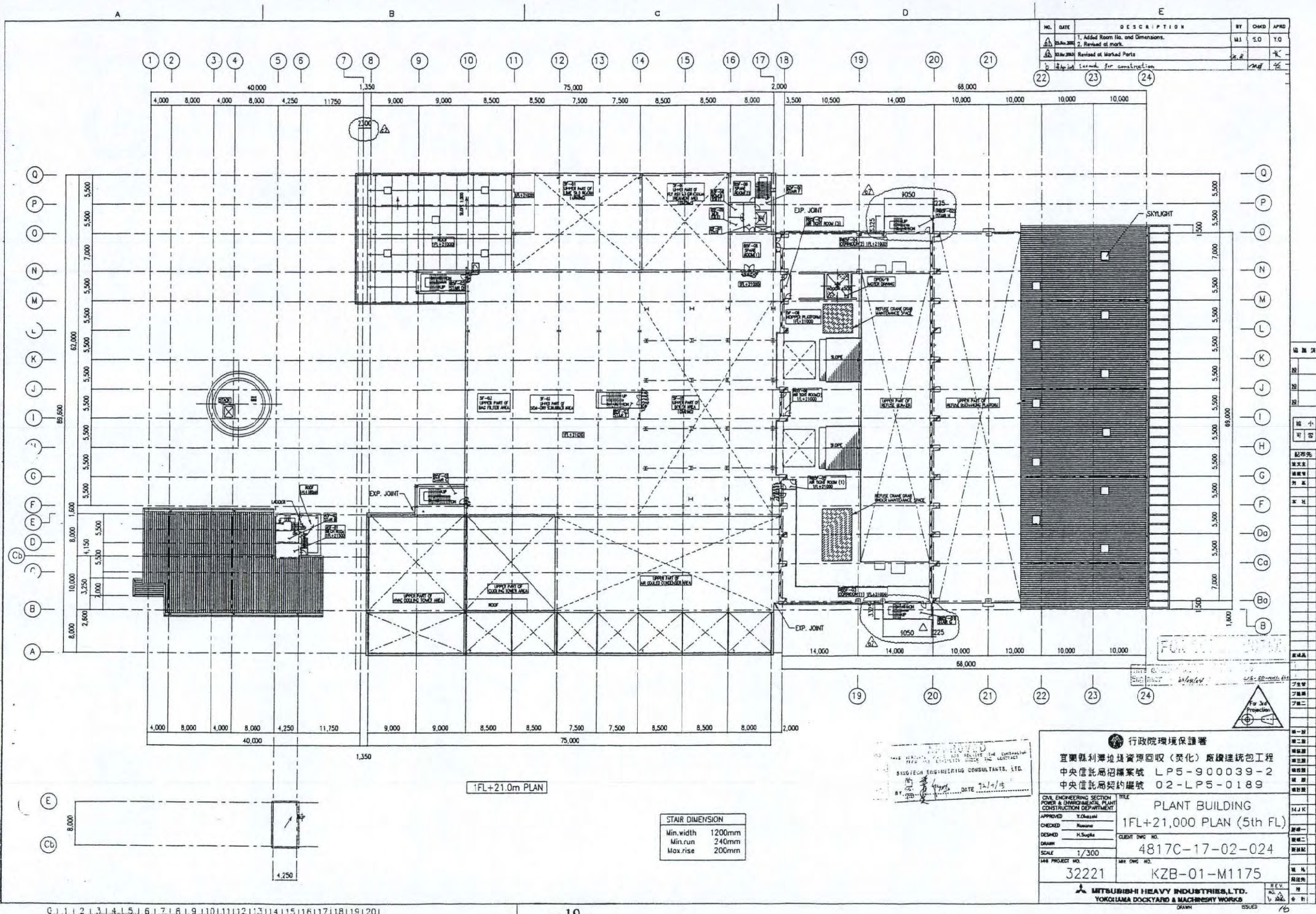
行政院環境保護署
宜蘭縣利澤坌資源回收(焚化)廠續建統包工程
中央信託局招標案號 LP5-900039-2
中央信託局契約編號 02-LP5-0189

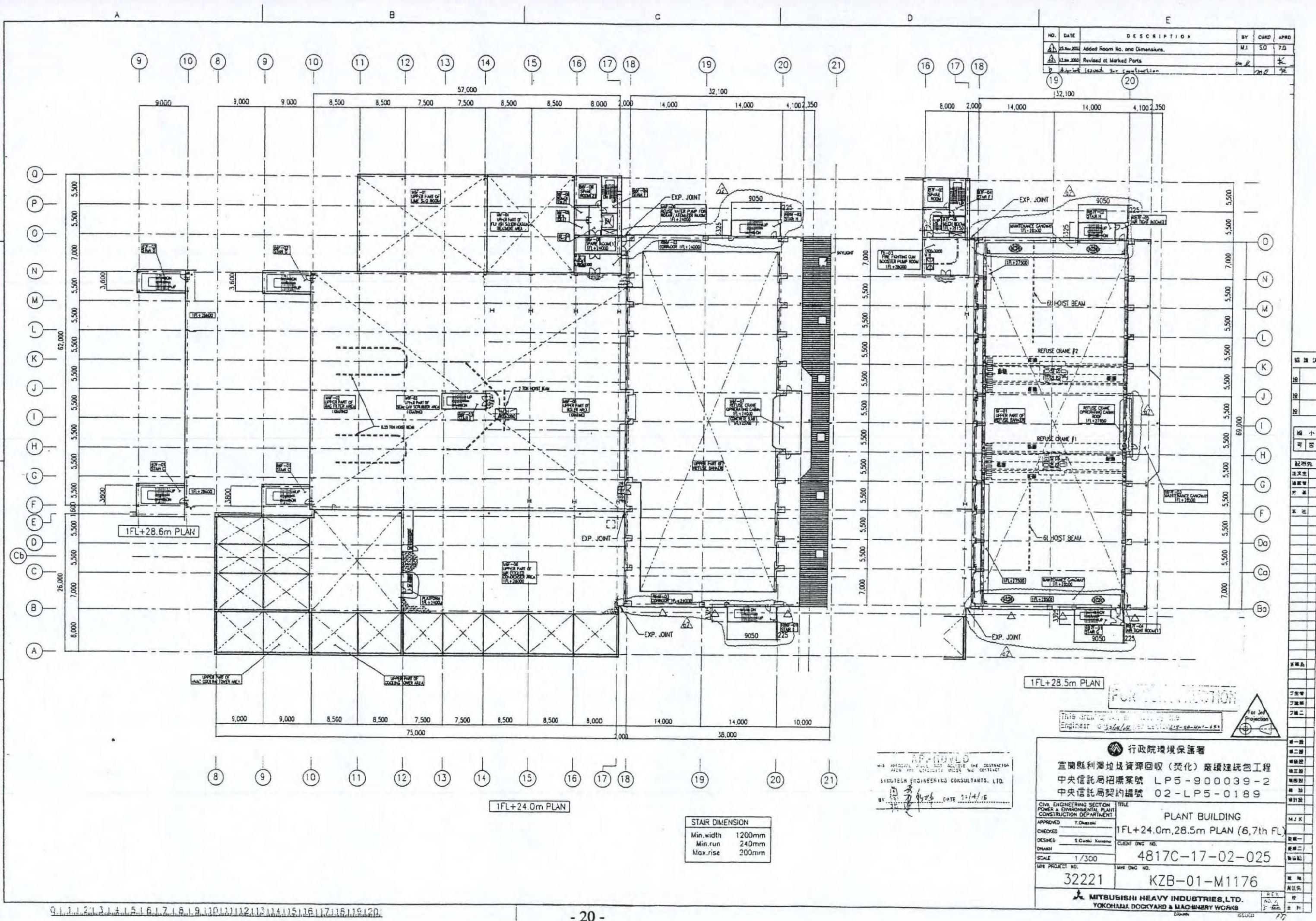
CIVIL ENGINEERING SECTION
POWER & ENVIRONMENTAL PLANT
CONSTRUCTION DEPARTMENT

APPROVED: Y. Ohsaki
CHECKED: M. Sugita
DESIGNED: H. Sugita
SCALE: 1/300
PROJECT NO: 32221

TITLE
PLANT BUILDING
1FL+12,000 PLAN (3rd FL)
CLIENT DWG NO: 4817C-17-02-022
DWG NO: KZB-01-M1173

MITSUBISHI HEAVY INDUSTRIES, LTD.
YOKOHAMA DOCKYARD & MACHINERY WORKS





NO.	DATE	DESCRIPTION	BY	CHKD	APRD
1	25.11.2004	Added Room No. and Dimensions.	M.I	S.O	T.D
2	25.11.2004	Revised at Marked Parts	...	...	...
3	25.11.2004	Issued for construction	...	...	...

STAIR DIMENSION	
Min. width	1200mm
Min. run	240mm
Max. rise	200mm

行政院環境保護署
宜蘭縣利澤垃圾資源回收(焚化)廠續建統包工程
中央信託局招標案號 LP5-900039-2
中央信託局契約編號 02-LP5-0189

CIVIL ENGINEERING SECTION
POWER & ENVIRONMENTAL PLANT
CONSTRUCTION DEPARTMENT

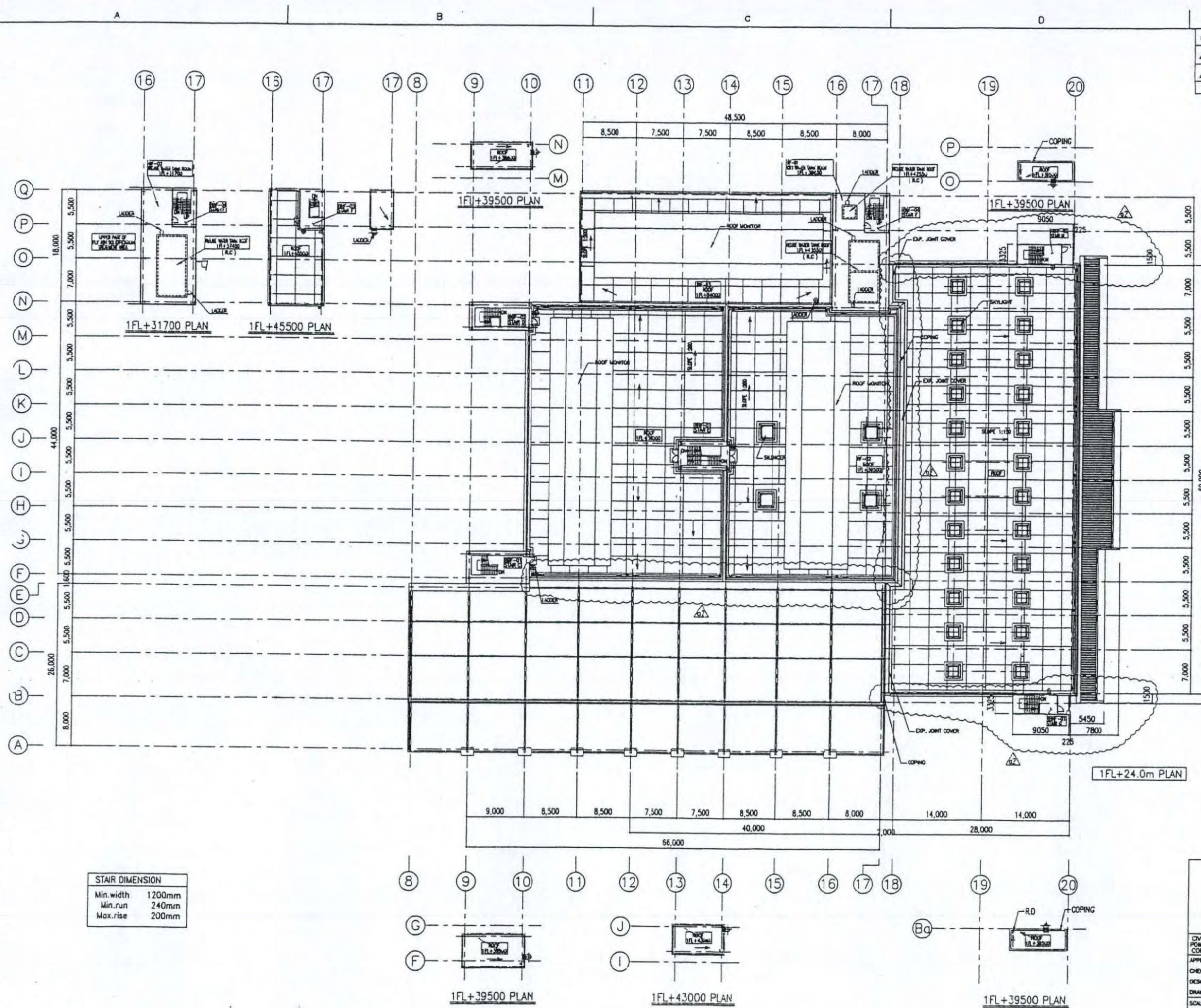
PLANT BUILDING
1FL+24.0m, 28.5m PLAN (6,7th FL)

APPROVED: T. Onozaki
CHECKED: S. Onozaki
DESIGNED: S. Onozaki
DRAWN: S. Onozaki

SCALE 1/300

LAB PROJECT NO. 32221
MSE DNG NO. KZB-01-M1176

MITSUBISHI HEAVY INDUSTRIES, LTD.
YOKOHAMA DOCKYARD & MACHINERY WORKS



NO.	DATE	DESCRIPTION	BY	CHKD	APRD
1	21 Nov 2001	1. Added Room No. and Dimensions. 2. Revised Roof Monitor	M.I.	S.O.	Y.O.
2	21 Nov 2001	Revised of Marked Parts	M.R.		
3	18 Apr 2002	Issued for construction	M.R.		

Q
P
O
N
M
L
K
J
I
H
G
F
E
D
C
B
A

APPROVED
FOR THE CONTRACTOR
BY THE CONSULTANT
SINCE ENGINEERING CONSULTANTS, LTD.
DATE 12/4/11

FOR CONSTRUCTION
This drawing is to be used for construction only.
Engineer: [Signature] DATE 12/4/11

行政院環境保護署
宜蘭縣利澤坌資源回收(焚化)廠擴建統包工程
中央信託局招標案號 LP5-900039-2
中央信託局契約編號 02-LP5-0189

CIVIL ENGINEERING SECTION
POWER & ENVIRONMENTAL PLANT
CONSTRUCTION DEPARTMENT

APPROVED Y. Okazaki
CHECKED S. Okazaki
DESIGNED S. Okazaki
DRAWN S. Okazaki

SCALE 1/300
LHM PROJECT NO. 32221

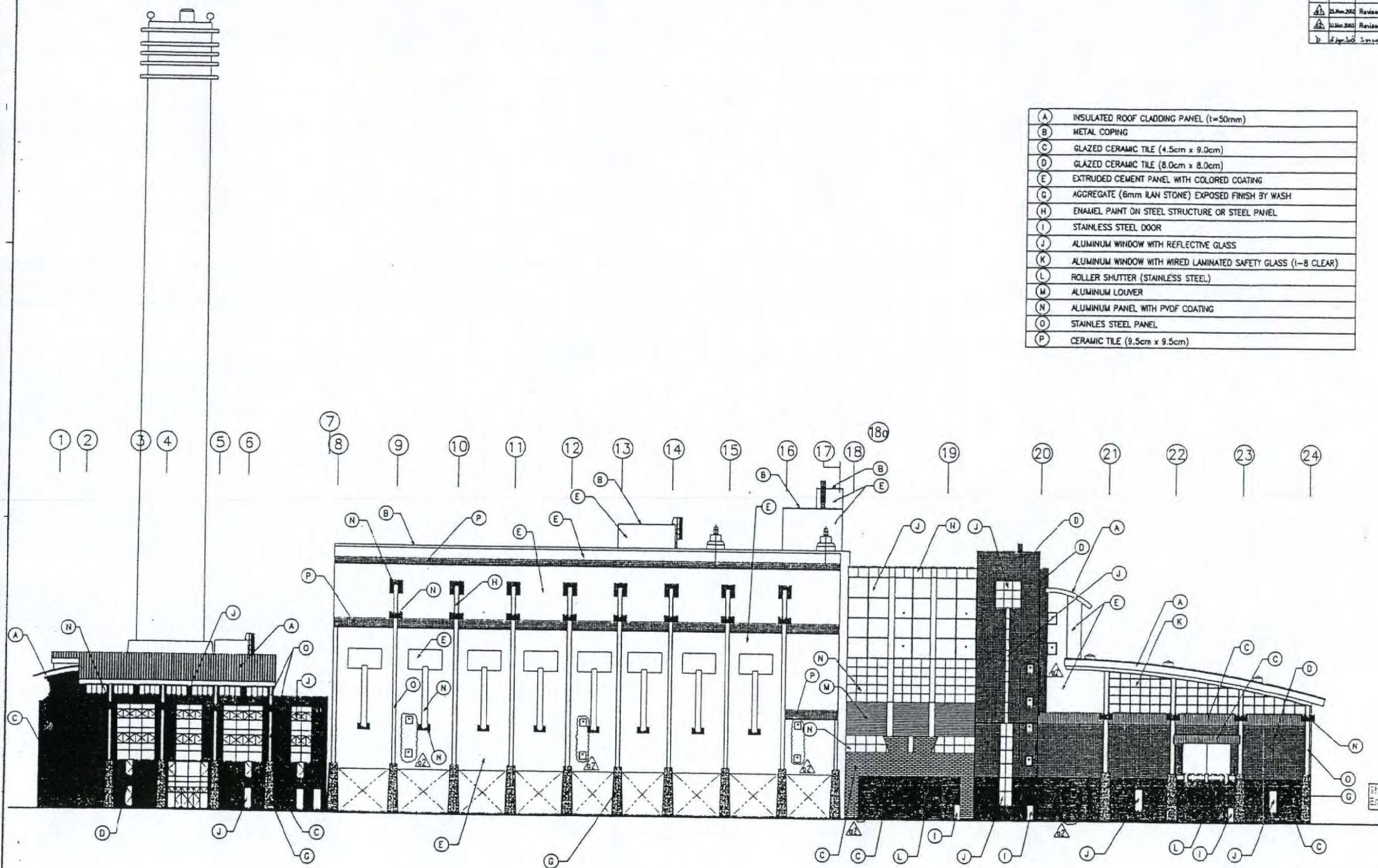
TITLE
PLANT BUILDING
ROOF PLAN

CLIENT DWG NO. 4817C-17-02-026
KZB-01-M1177

MITSUBISHI HEAVY INDUSTRIES, LTD.
YOKOHAMA DOCKYARD & MACHINERY WORKS

NO.	DATE	DESCRIPTION	BY	CHKD	APRD
1	25.11.2002	Revised at Marked Parts	MJ	S.O	Y.D
2	11.02.2003	Revised at Marked Parts	Y.D		
3	11.02.2003	Issued for construction	Y.D		

(A)	INSULATED ROOF CLADDING PANEL (t=50mm)
(B)	METAL COPING
(C)	GLAZED CERAMIC TILE (4.5cm x 9.0cm)
(D)	GLAZED CERAMIC TILE (8.0cm x 8.0cm)
(E)	EXTRUDED CEMENT PANEL WITH COLORED COATING
(G)	AGGREGATE (6mm ILAN STONE) EXPOSED FINISH BY WASH
(H)	ENAMEL PAINT ON STEEL STRUCTURE OR STEEL PANEL
(I)	STAINLESS STEEL DOOR
(J)	ALUMINUM WINDOW WITH REFLECTIVE GLASS
(K)	ALUMINUM WINDOW WITH WIRED LAMINATED SAFETY GLASS (1-8 CLEAR)
(L)	ROLLER SHUTTER (STAINLESS STEEL)
(M)	ALUMINUM LOUVER
(N)	ALUMINUM PANEL WITH PVDF COATING
(O)	STAINLESS STEEL PANEL
(P)	CERAMIC TILE (9.5cm x 9.5cm)



WEST ELEVATION

(A) (B) LINE SIDE

APPROVED
FOR CONSTRUCTION
DATE 9/1/16

FOR CONSTRUCTION

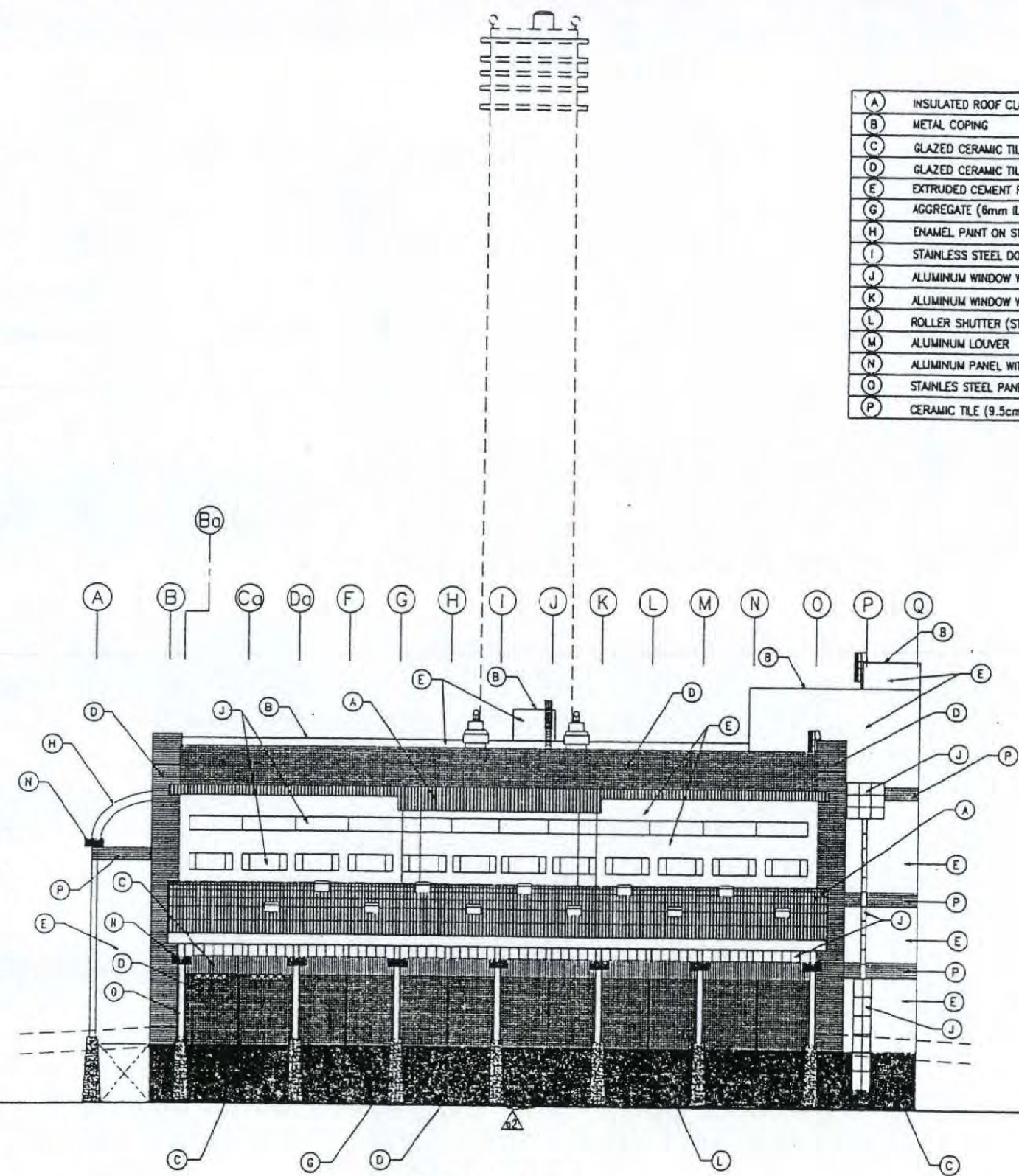
Engineer: [Signature] DATE 9/1/16

行政院環境保護署	
宜蘭縣利澤垃圾資源回收(焚化)廠擴建建包工程	
中央信託局招標案號	LP5-900039-2
中央信託局契約編號	02-LP5-0189
TITLE PLANT BUILDING ELEVATION (1)	
CIVIL ENGINEERING SECTION POWER & ENVIRONMENTAL PLANT CONSTRUCTION DEPARTMENT	CLIENT DWG NO. 4817C-17-02-027
APPROVED: Y. Shueh CHECKED: Kuo-shan DESIGNED: H. Sui-shan DRAWN: SCALE: 1/300 LWS PROJECT NO. 32221	ISSUE DWG NO. KZB-01-M1178
MITSUBISHI HEAVY INDUSTRIES, LTD. YOKOHAMA DOCKYARD & MACHINERY WORKS	

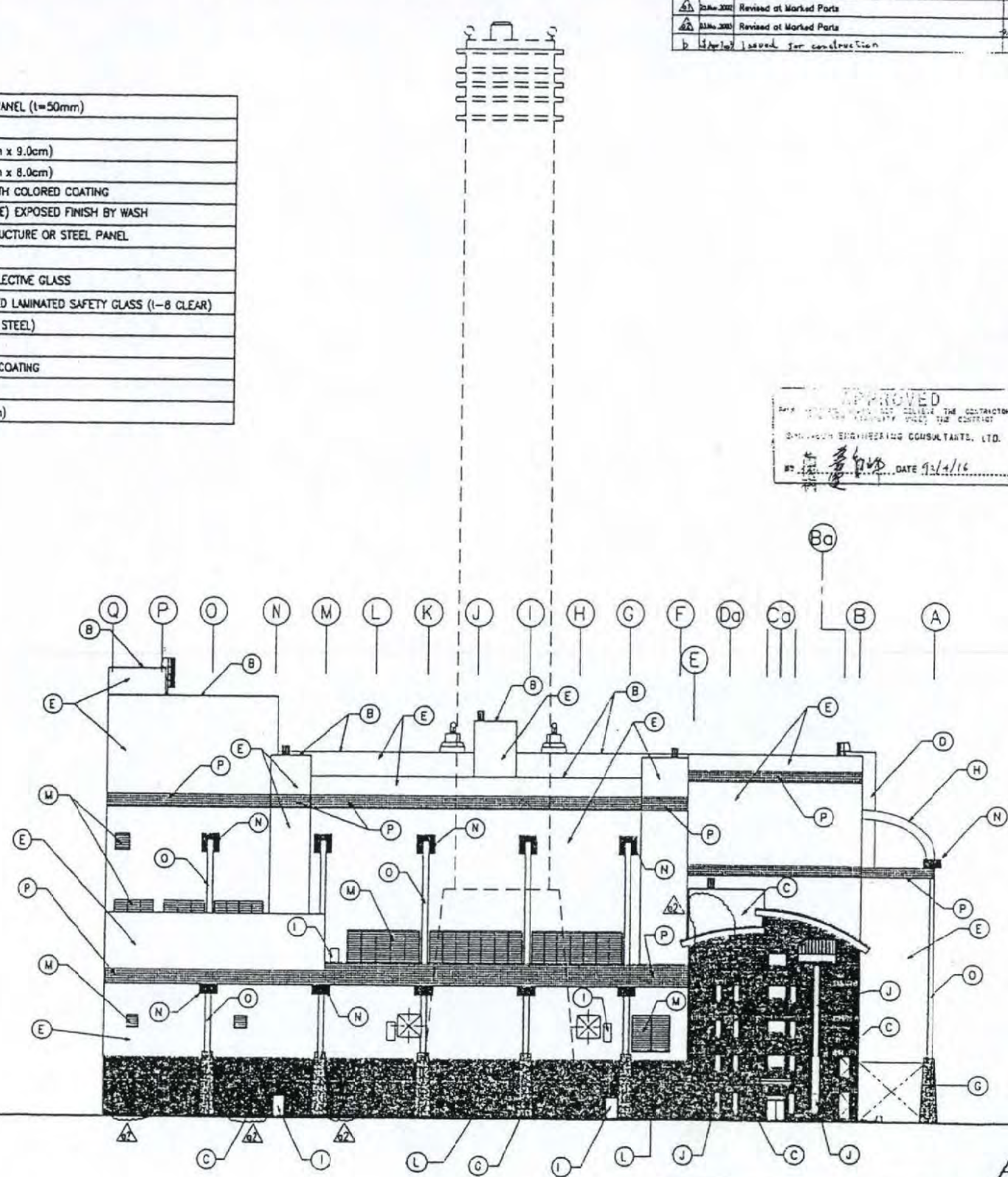
NO.	DATE	DESCRIPTION	BY	CHKD	APRD
1	2014-03-20	Revised at Marked Parts	M.J.	S.O.	Y.D.
2	2014-03-20	Revised at Marked Parts	M.J.	S.O.	Y.D.
3	2014-03-20	Revised at Marked Parts	M.J.	S.O.	Y.D.
4	2014-03-20	Revised at Marked Parts	M.J.	S.O.	Y.D.
5	2014-03-20	Revised at Marked Parts	M.J.	S.O.	Y.D.
6	2014-03-20	Revised at Marked Parts	M.J.	S.O.	Y.D.
7	2014-03-20	Revised at Marked Parts	M.J.	S.O.	Y.D.
8	2014-03-20	Revised at Marked Parts	M.J.	S.O.	Y.D.
9	2014-03-20	Revised at Marked Parts	M.J.	S.O.	Y.D.
10	2014-03-20	Revised at Marked Parts	M.J.	S.O.	Y.D.

- (A) INSULATED ROOF CLADDING PANEL (t=50mm)
- (B) METAL COPING
- (C) GLAZED CERAMIC TILE (4.5cm x 9.0cm)
- (D) GLAZED CERAMIC TILE (8.0cm x 8.0cm)
- (E) EXTRUDED CEMENT PANEL WITH COLORED COATING
- (F) AGGREGATE (6mm ILAN STONE) EXPOSED FINISH BY WASH
- (G) ENAMEL PAINT ON STEEL STRUCTURE OR STEEL PANEL
- (H) STAINLESS STEEL DOOR
- (I) STAINLESS STEEL WINDOW
- (J) ALUMINUM WINDOW WITH REFLECTIVE GLASS
- (K) ALUMINUM WINDOW WITH WIRED LAMINATED SAFETY GLASS (1-8 CLEAR)
- (L) ROLLER SHUTTER (STAINLESS STEEL)
- (M) ALUMINUM LOUVER
- (N) ALUMINUM PANEL WITH PVDF COATING
- (O) STAINLESS STEEL PANEL
- (P) CERAMIC TILE (9.5cm x 9.5cm)

APPROVED
DATE 12/4/16
ENGINEERING CONSULTANTS, LTD.



SOUTH ELEVATION
(24) LINE SIDE



NORTH ELEVATION
(18) LINE SIDE

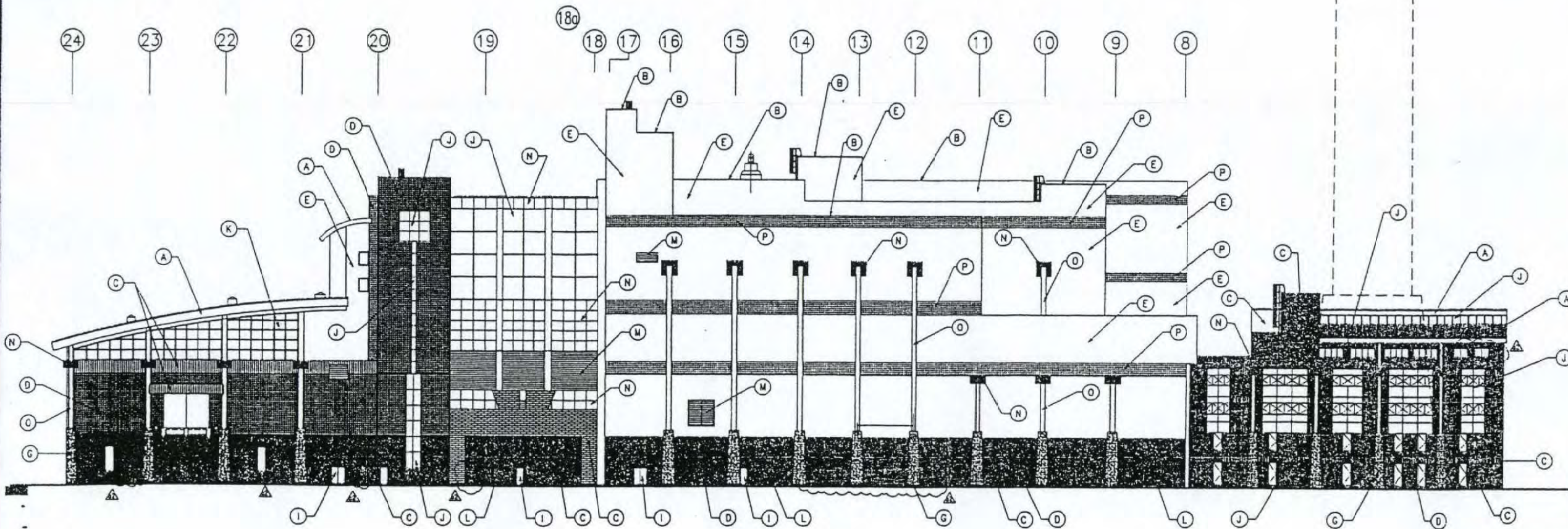
FOR CONSTRUCTION

This drawing has approved by the
Engineer on 12/4/16 for Letter 15-50-141-495

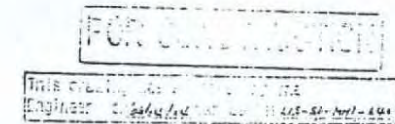
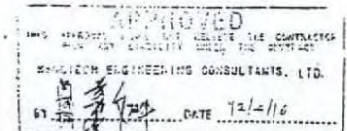
行政院環境保護署 宜蘭縣利澤垃圾資源回收(焚化)廠擴建統包工程 中央信託局招標案號 LP5-900039-2 中央信託局契約編號 02-LP5-0189		TITLE PLANT BUILDING ELEVATION (2)	
Civil Engineering Section POWER & ENVIRONMENTAL PLANT CONSTRUCTION DEPARTMENT	APPROVED Y. Chen CHECKED K. Chen DESIGNED H. Su DRAWN H. Su SCALE 1/100 MSE PROJECT NO. 32221	CLIENT DWG NO. 4817C-17-02-028 MSE DWG NO. KZB-01-M1179	REV. NO. 1 DATE 12/4/16
MITSUBISHI HEAVY INDUSTRIES, LTD. YOKOHAMA DOCKYARD & MACHINERY WORKS		ISSUED	

(A)	INSULATED ROOF CLADDING PANEL (t=50mm)
(B)	METAL COPING
(C)	GLAZED CERAMIC TILE (4.5cm x 9.0cm)
(D)	GLAZED CERAMIC TILE (8.0cm x 8.0cm)
(E)	EXTRUDED CEMENT PANEL WITH COLORED COATING
(G)	AGGREGATE (6mm ILAN STONE) EXPOSED FINISH BY WASH
(H)	ENAMEL PAINT ON STEEL STRUCTURE OR STEEL PANEL
(I)	STAINLESS STEEL DOOR
(J)	ALUMINUM WINDOW WITH REFLECTIVE GLASS
(K)	ALUMINUM WINDOW WITH WIRED LAMINATED SAFETY GLASS (t=8 CLEAR)
(L)	ROLLER SHUTTER (STAINLESS STEEL)
(M)	ALUMINUM LOUVER
(N)	ALUMINUM PANEL WITH PVDF COATING
(O)	STAINLESS STEEL PANEL
(P)	CERAMIC TILE (9.5cm x 9.5cm)

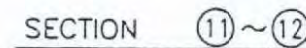
NO.	DATE	DESCRIPTION	BY	CHKD	APRD
1	25-Mar-2002	Revised at Marked Parts	MJ	S.O	Y.O
2	25-Mar-2002	Revised at Marked Parts	pr.d		KE
3	25-Mar-2002	Issued for construction	pr.d		KE



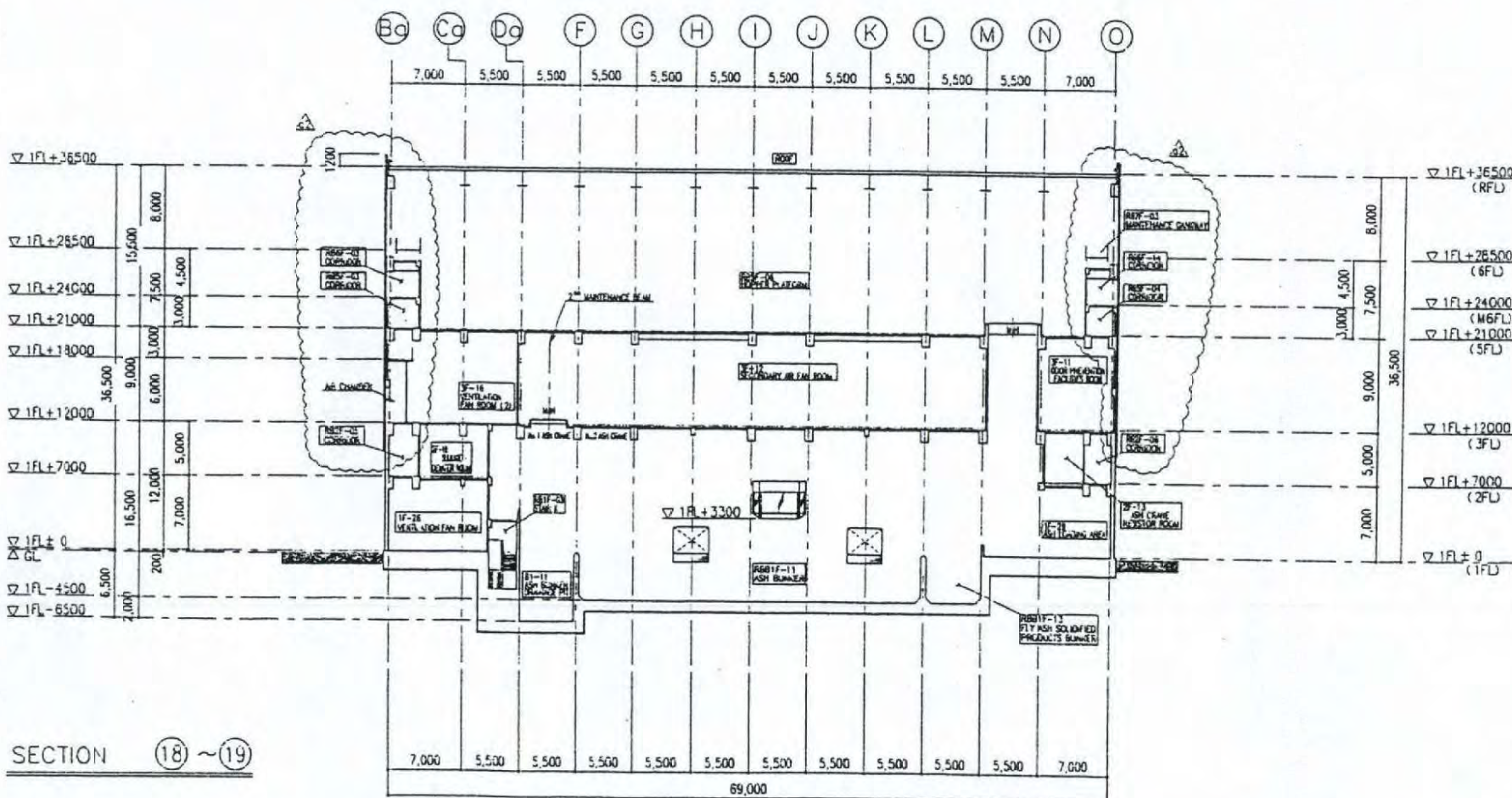
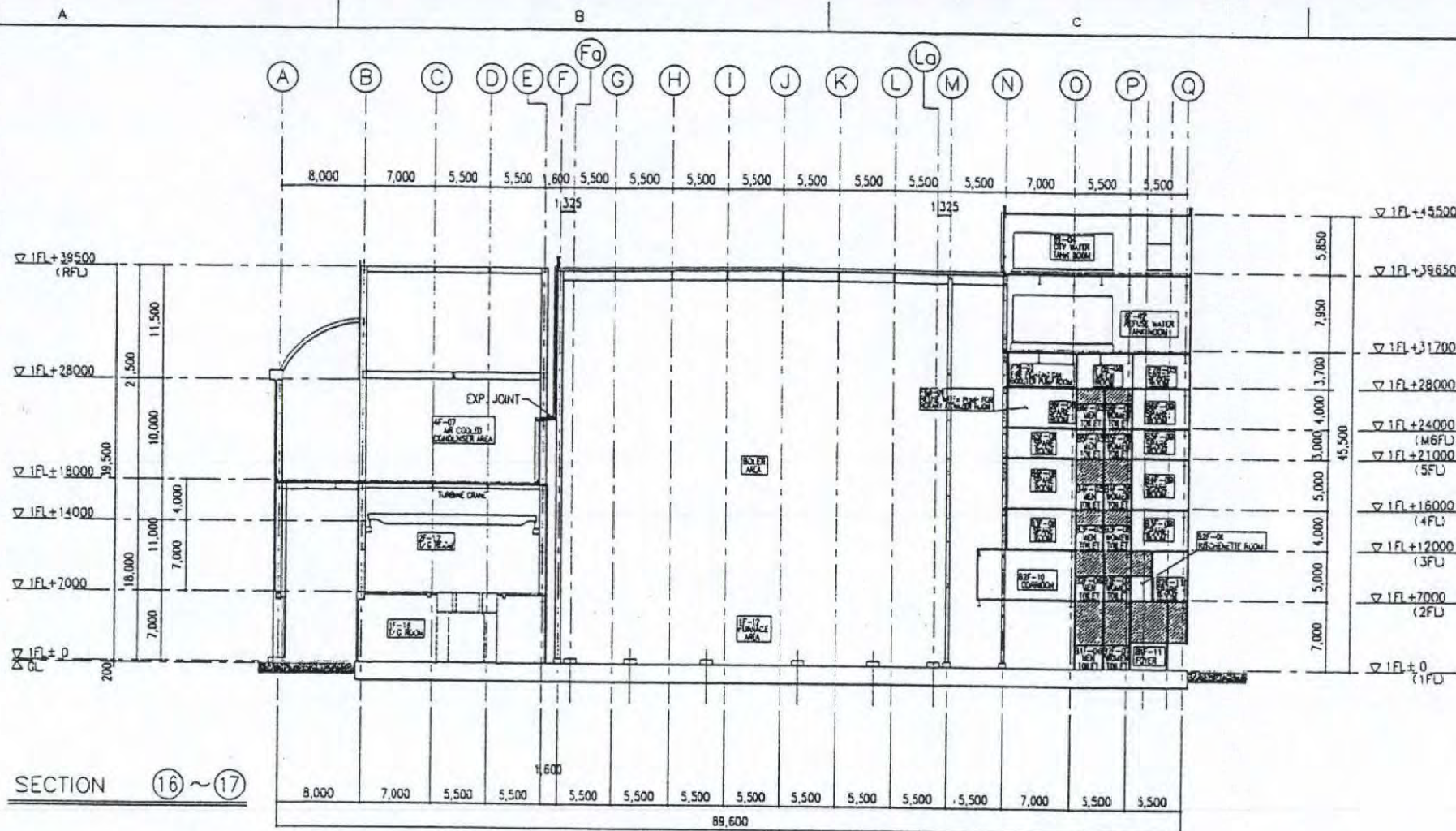
EAST ELEVATION
(Q) LINE SIDE



行政院環境保護署		TITLE	
宜蘭縣利澤垃圾資源回收(焚化)廠擴建統包工程		PLANT BUILDING	
中央信託局招標案號 LP5-900039-2		ELEVATION (3)	
中央信託局契約編號 02-LP5-0189		CLIENT DWG NO.	
CIVIL ENGINEERING SECTION POWER & ENVIRONMENTAL PLANT CONSTRUCTION DEPARTMENT		4817C-17-02-029	
APPROVED T.Ohsaka	CHECKED Kuwana	DESIGNED H.Sugita	SCALE 1/100
PROJECT NO. 32221		DWG NO. KZB-01-M1180	
MITSUBISHI HEAVY INDUSTRIES, LTD.		YOKOHAMA DOCKYARD & MACHINERY WORKS	

[illegible]

 行政院環境保護署		第一頁 第二頁 第三頁 第四頁 第五頁 第六頁 第七頁 第八頁 第九頁 第十頁	
宜蘭縣利澤地埤資源回收(焚化)廠擴建統包工程 中央信託局招標案號 LP5-900039-2 中央信託局契約編號 02-LP5-0189		圖一 圖二 圖三 圖四 圖五 圖六 圖七 圖八 圖九 圖十	
CIVIL ENGINEERING SECTION POWER & ENVIRONMENTAL PLANT CONSTRUCTION DEPARTMENT		TITLE PLANT BUILDING SECTION (1)	
APPROVED Y. Chazelle CHECKED DESIGNED S. Gwinn Kunging DRAWN SCALE 1/300 SHE PROJECT NO. 32221		CLIENT GNS INC. 4817C-1.7-02-030 SHE CNG NO. KZB-01-M1181	
 MITSUBISHI HEAVY INDUSTRIES, LTD. YOKOJIMA DOCKYARD & MACHINERY WORKS		REV NO. 1 1/1	

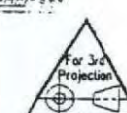


NO.	DATE	DESCRIPTION	BY	CHKD	APRD
1	20.04.2002	1. Added Room No. and Dimensions	MJ	S.D	T.O
2	22.04.2002	Revised at Marked Parts			
3	24.04.2002	Issued for construction			

APPROVED
BY: [Signature] DATE: 11/1/11
KAWASAKI ENGINEERING CONSULTANTS, LTD.

FOR CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF KAWASAKI ENGINEERING CONSULTANTS, LTD. IT IS TO BE USED FOR THE PROJECT ONLY AND IS NOT TO BE REPRODUCED OR COPIED IN ANY FORM OR BY ANY MEANS WITHOUT THE WRITTEN PERMISSION OF KAWASAKI ENGINEERING CONSULTANTS, LTD.



行政院環境保護署 宜蘭縣利澤港垃圾資源回收(焚化)廠擴建統包工程 中央信託局招標案號 LP5-900039-2 中央信託局契約編號 02-LP5-0189	
CIVIL ENGINEERING SECTION POWER & ENVIRONMENTAL PLANT CONSTRUCTION DEPARTMENT	TITLE PLANT BUILDING SECTION (2)
APPROVED: Y. Okazaki CHECKED: S. Okazaki DESIGNED: S. Okazaki DRAWN: S. Okazaki	CLIENT DWG. NO. 4817C-17-02-031
SCALE 1/300	PROJECT NO. 32221
KZB-01-M1182	
MITSUBISHI HEAVY INDUSTRIES, LTD. YOKOHAMA DOCKYARD & MACHINERY WORKS	

國庫券	株	
	債	
	股	
	種小	
	可否	
配布先		
生支主		
編原資		
所 属		
本 社		
展場央		
プ生管		
プ通輸		
プ輸二		
第一室		
第二室		
第三室		
通 信		
集計股		
M J K		
要圖一		
要圖二		
要附記		
取 得		
取注実		
配		
合 計		



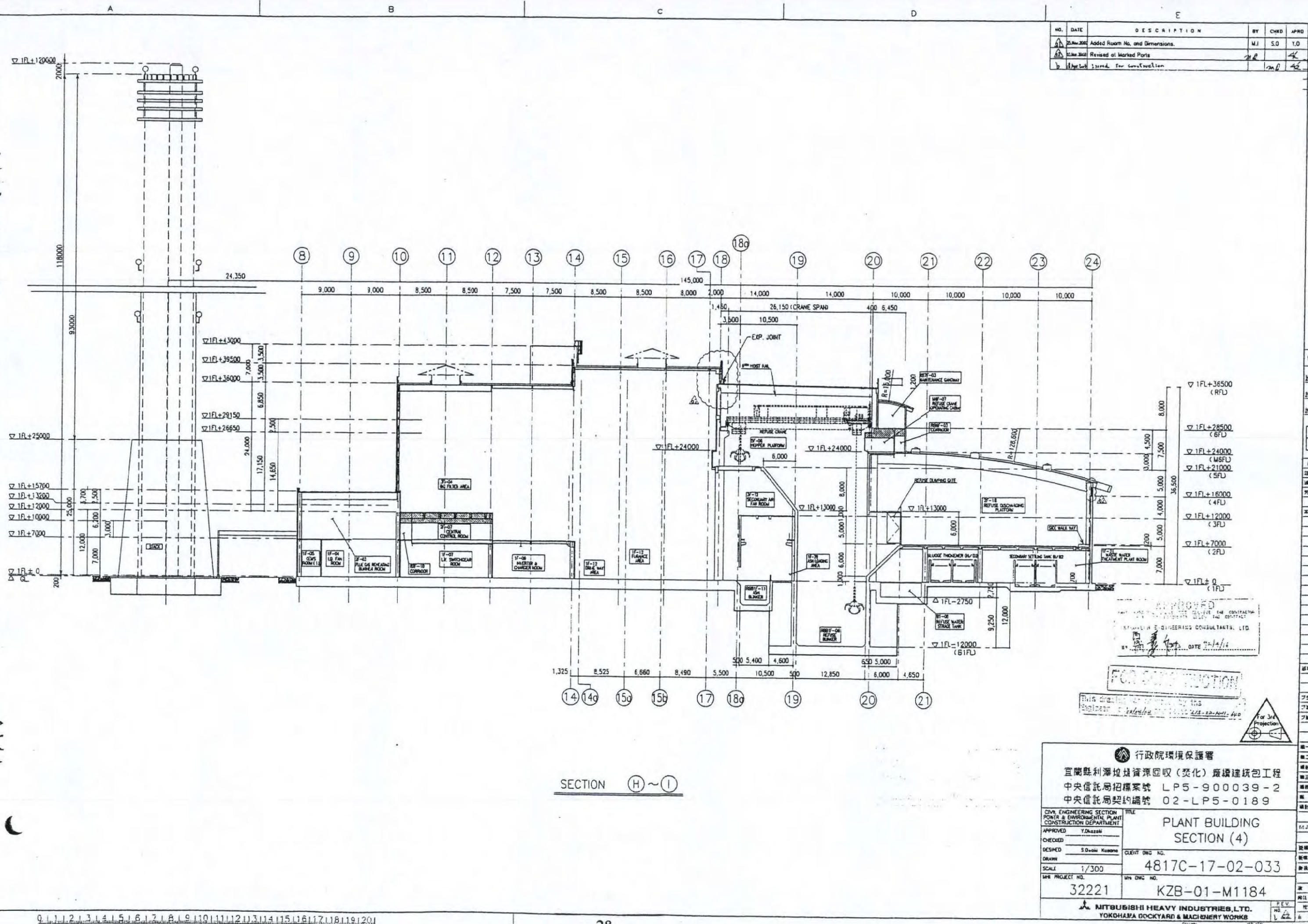
IMPROVED
 THIS DRAWING SHALL NOT REFLECT THE CONTRACT
 AND ALL DIMENSIONS SHALL BE THE CONTRACT
 SINGAPORE ENGINEERING CONSULTANTS, LTD.
 81  DATE 4/2/16

THIS DRAWING IS THE PROPERTY OF THE
ENGINEER & ARCHITECT
LIFE 22-111-1

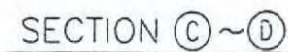


行政院環境保護署
宜蘭縣利澤坌垃圾資源回收(焚化)廠續建統包工程
中央信託局招標案號 L P 5-900039-2
中央信託局契約編號 02-L P 5-0189

CIVIL ENGINEERING SECTION POWER & ENVIRONMENTAL PLANT CONSTRUCTION DEPARTMENT	TITLE PLANT BUILDING SECTION (3)
APPROVED <u>Y. Onozaki</u> CHECKED _____ DESIGNED <u>S. Onozaki Kusunagi</u> DRAWN _____ SCALE <u>1/300</u>	CLIENT DWG NO. 4817C-17-02-032
WKS PROJECT NO. 32221	WKS DWG NO. KZB-01-M1183
 MITSUBISHI HEAVY INDUSTRIES, LTD. YOKOHAMA DOCKYARD & MACHINERY WORKS	



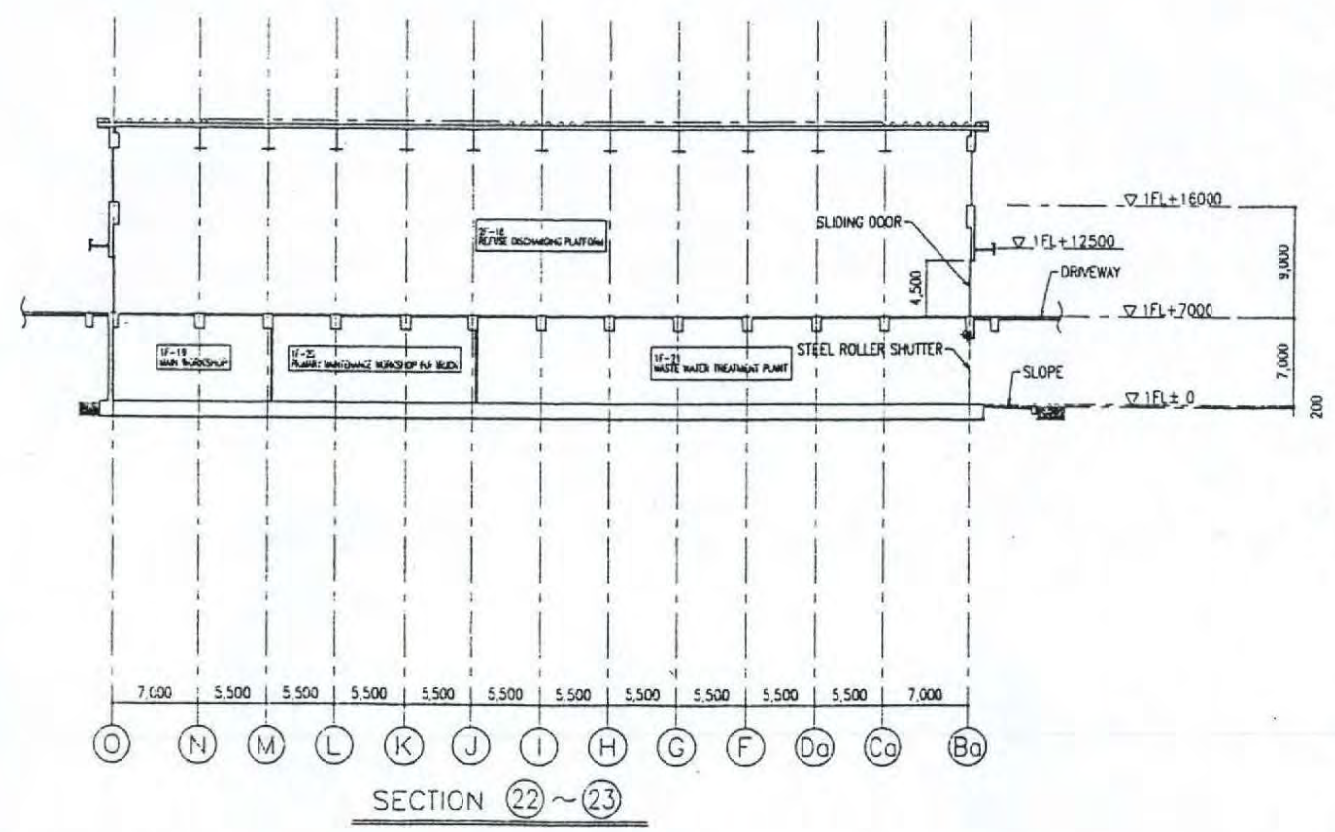
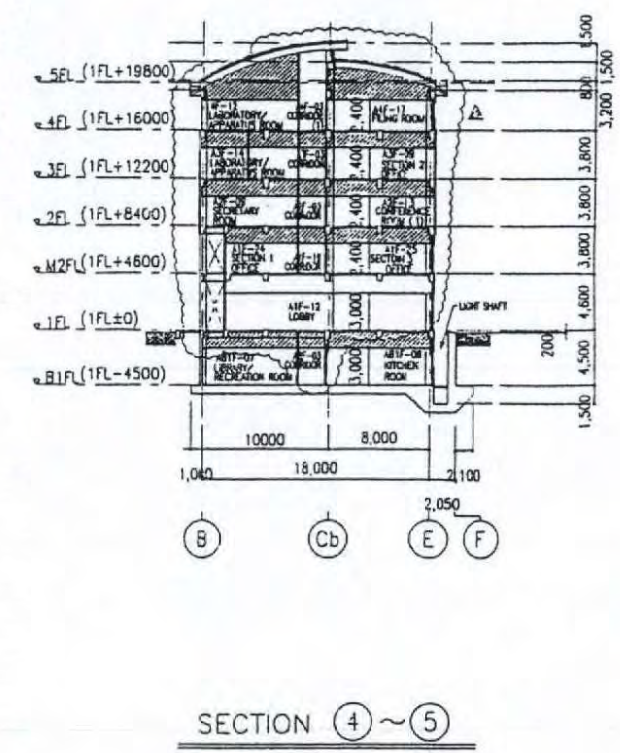
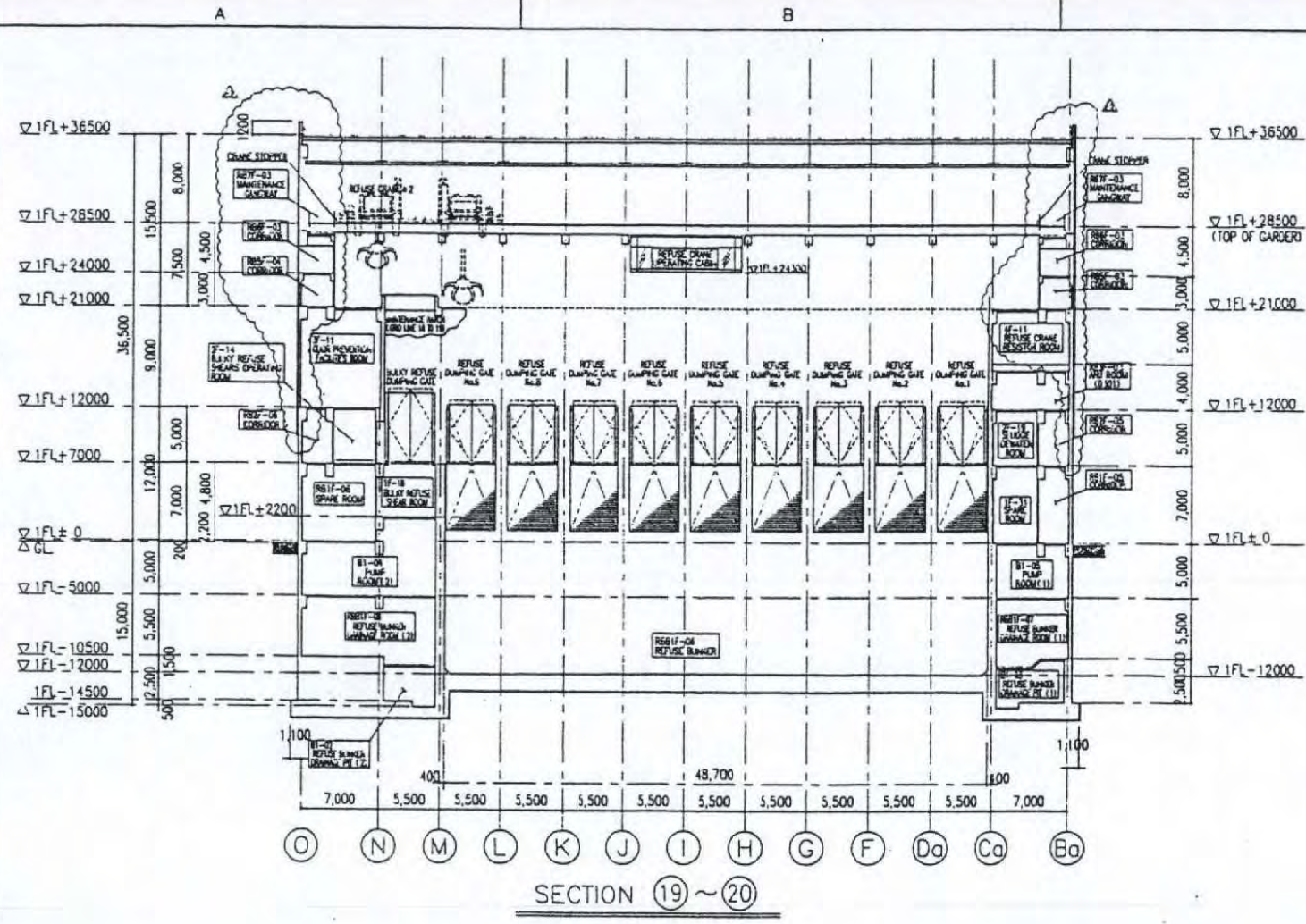
編號					
份					
股					
總					
小 可容					
記市元					
註文主					
通商年					
外幣					
本北					
新產品					
平生智					
平福期					
平德二					
第一股					
第二股					
第三股					
第四股					
第五股					
第六股					
M.J.K.					
第七股					
第八股					
第九股					
第十股					



FOR CONSTRUCTION

This drawing was prepared by the
Engineer on 10/15/64 for US-50-NM-50

For 3rd projection



NO.	DATE	DESCRIPTION	BY	CHKD	APRD
1	20.11.2001	Added Room No. and Dimensions.	M.J.	S.O.	T.O.
2	21.11.2001	Revised at Marked Parts			
3	22.11.2001	Issued for construction	M.J.	S.O.	T.O.

行政院環境保護署	
宜蘭縣利澤垃圾資源回收(焚化)廠增建統包工程	
中央信託局招標案號 LP5-900039-2	
中央信託局契約編號 02-LP5-0189	
CIVIL ENGINEERING SECTION POWER & ENVIRONMENTAL PLANT CONSTRUCTION DEPARTMENT	TITLE PLANT BUILDING SECTION (6)
APPROVED: T. Ogasawara	CLIENT ENG. NO. 4817C-17-02-035
CHECKED: K. Sugino	SCALE 1/300
DESIGNED: H. Sugita	ISS. PROJECT NO. 32221
DRAWN:	ISS. ENG. NO. KZB-01-M1186
MITSUBISHI HEAVY INDUSTRIES, LTD. YOKOHAMA DOCKYARD & MACHINERY WORKS	

	WASTE HEAT RECOVERY BOILER
	REFUSE FEEDING HOPPER
	GRATE SYSTEM
	SLAG EXTRACTOR
	ISOLATION DAMPER
	AIR COOLED CONDENSER
	FEED WATER TANK WITH DEAERATOR
	AIR PREHEATER
	VERTICAL TANK
	HORIZONTAL TANK
	ELECTRIC HEATER
	DISTRIBUTOR OR HEADER
	STEAM TURBINE
	GENERATOR

	VIBRATION CONVEYOR
	SERVICE TANK
	SILO
	BAG FILTER
	PUMP
	FAN BLOWER COMPRESSOR
	POSITIVE DISPLACEMENT PUMP
	STEAM JET AIR EJECTOR
	STACK
	IGNITION BURNER, BOOSTER BURNER
	OIL STORAGE TANK
	FLEXIBLE HOSE
	DAILY TANK
	EQUIPMENT COOLING
	IGNITER
	HEAT EXCHANGER
	U TUBE HEAT EXCHANGER

	AERATOR
	ROOF TANK
	RESERVOIR
	SILO
	AIR RESERVOIR
	CHEMICAL STORAGE TANK
	HCL GAS ABSORBER, NaOH MEASURING TANK
	CARBON FILTER, CATION EXCHANGER MIX-BED EXCHANGER
	DEGASIFIER
	DOUBLE FLAP VALVE
	MIXING BLOWER
	ROTARY VALVE
	SCREW CONVEYOR
	COOLING FAN AGITATOR
	DAMPER
	DESUPER HEATER
	POWER CYLINDER
	FILTER
	VENT DUST SCRUBBER

	POWER ASSISTED NON RETURN VALVE
	SOLENOID VALVE
	THREE WAY VALVE
	PRESS-REDUCING REGULATOR SELF CONTAINED
	STOP VALVE
	STOP CHECK VALVE
	Y-TYPE BLOWDOWN VALVE
	STRAINER
	SAFETY VALVE
	PRESSURE-REDUCING VALVE
	CHECK VALVE
	EMERGENCY STOP VALVE
	MOTOR OPERATED VALVE
	POWER ASSISTED ON-OFF VALVE
	PNEUMATIC CONTROL VALVE
	AUTOMATIC RECIRCULATION VALVE
	KNIFE GATE VALVE
	FLOAT BALL VALVE

_____	Steam, Wastewater, Treated Water, Flue Gas
_____	Boiler, Feedwater, Drain, Condensate
=====	Air, Compressed Air
_____	Sludge
*****	Ca(OH) ₂ Slurry
=====	Fly Ash
_____	Bypass

	CONNECTION TO PROCESS
	PNEUMATIC
	ELECTRIC SIGNAL OR INTERNAL SYSTEM LINK (SOFTWARE OR DATA LINK)
	CAPILLARY TUBE
	HYDRAULIC SIGNAL - <i>10 bar</i>
	ELECTROMATIC OR SONIC SIGNAL
	SIGNAL CONNECTION POINT

	SILENCER
	VENT
	STEAM TRAP
	EXPANSION JOINT
	SPECTACLE BLIND
	MAGNETIC FLOW METER
	VENTURI TUBE
	DUPLEX BASKET TYPE STRAINER
	DRAIN PORT
	FLOW METER
	ORIFICE

	LOCALLY MOUNTED
	MOUNTED ON MAIN CONTROL PANEL
	MOUNTED ON LOCAL PANEL
	CRT DISPLAY
	UNDEFINED INTERLOCK LOGIC

INSTRUMENT IDENTIFICATION		INSTRUMENT FUNCTION																									
		ALARM		CONTROLLER		CONTROL VALVE		DIFFERENTIAL		PRIMARY ELEMENT		GAGE		INDICATOR		TOTALIZER		PEN RECORDER		SWITCH		TRANSMITTER		OTHER		O/N OF CONTROL	
VARIABLES		A	C	V	B	E	G	I	D	R	S	T	Y	O													
ANALYSIS	A	AA	AL			AE		AI				AR	AS	AT													
CONDUCTIVITY	C	FA	FC	FCV		FE		FI		FO		FR	FS	FT													
FLOW	F	FA	FC	FCV		FE		FI		FO		FR	FS	FT													
HAND	H																										
CURRENT	I	IA	IC					II		IR		IS	IT														
TIME	K	KA	KC					KI		KT		KS	KT														
LEVEL	L	LA	LC	LCV		LE		LI		LO		LS	LT														
PRESSURE	P	PA	PC			PE		PI		PO		PR	PS	PT													
SPEED	S	SA	SC	SCV		SE		SI		SO		SR	SS	ST													
TEMPERATURE	T	TA	TC	TCV		TE		TI		TO		TR	TS														
POSITION	Z	ZC						ZI																			
OTHER		AA	C			E		I		R		S		Y													

ADD SUFFIX LETTERS A, L, HH OR LL TO SWITCHES AND ALARMS TO INDICATE ALARM OR LOCK OUT.

APPROVED
THIS APPROVAL SHALL NOT RELIEVE THE CONTRACTOR
FROM ANY LIABILITY UNDER THE CONTRACT
SINGTECH ENGINEERING CONSULTANTS, LTD.
BY *[Signature]* DATE 91.11.18

a	25 NOV. 2002	Issued for construction			
2	10 Sep. 02	Revised in accordance with customer's comments and/or design progress.			
1	30 Jul. 02	Revised in accordance with customer's comments and/or design progress.	M.H	M.H	K.J.
NO.	DATE	DESCRIPTION	BY	CHKD	AP



行政院環境保護署

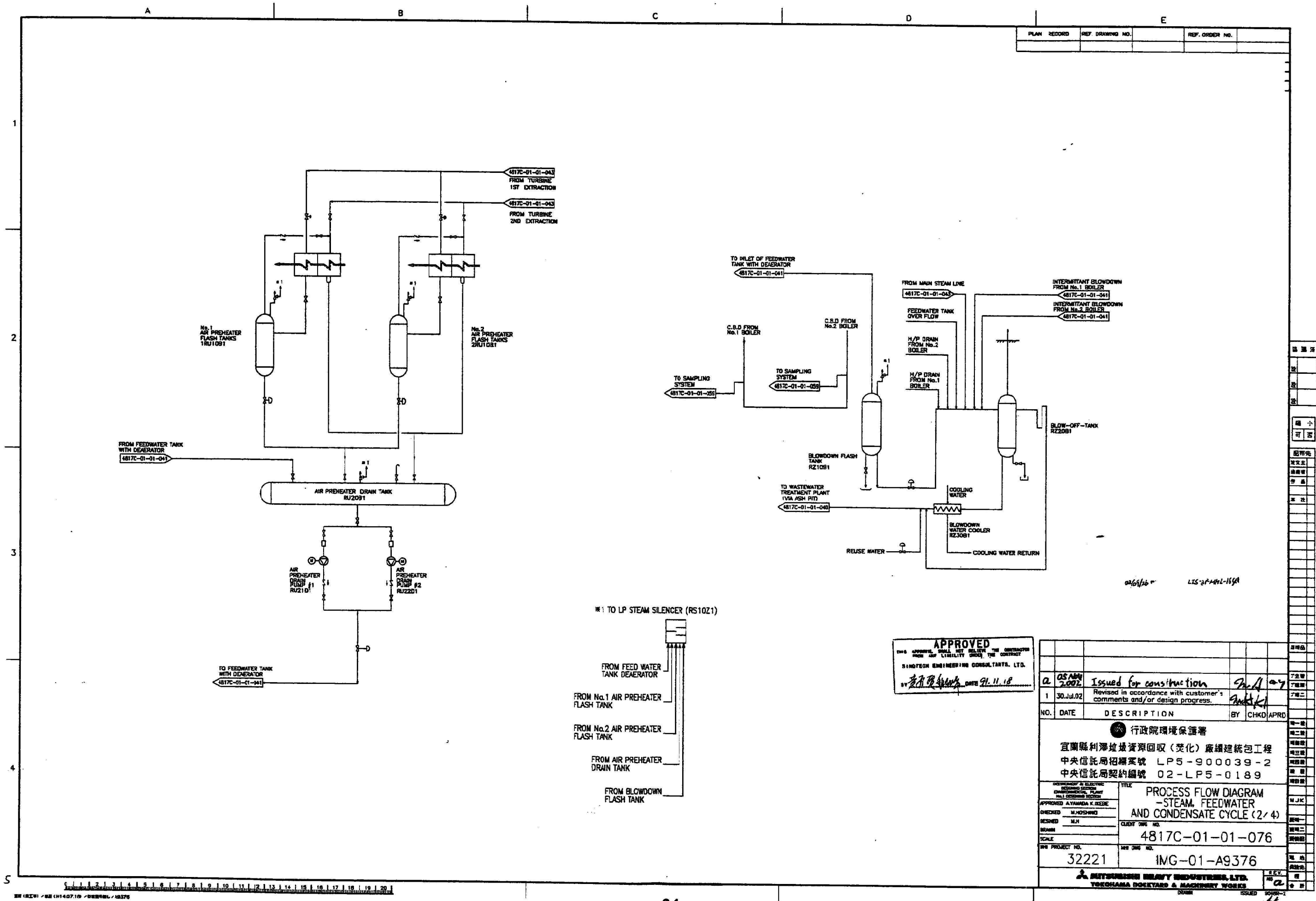
宜蘭縣利澤垃圾資源回收(焚化)廠興建總包工程
 中央信託局招標案號 LP5-900039-2
 中央信託局契約編號 02-LP5-0189

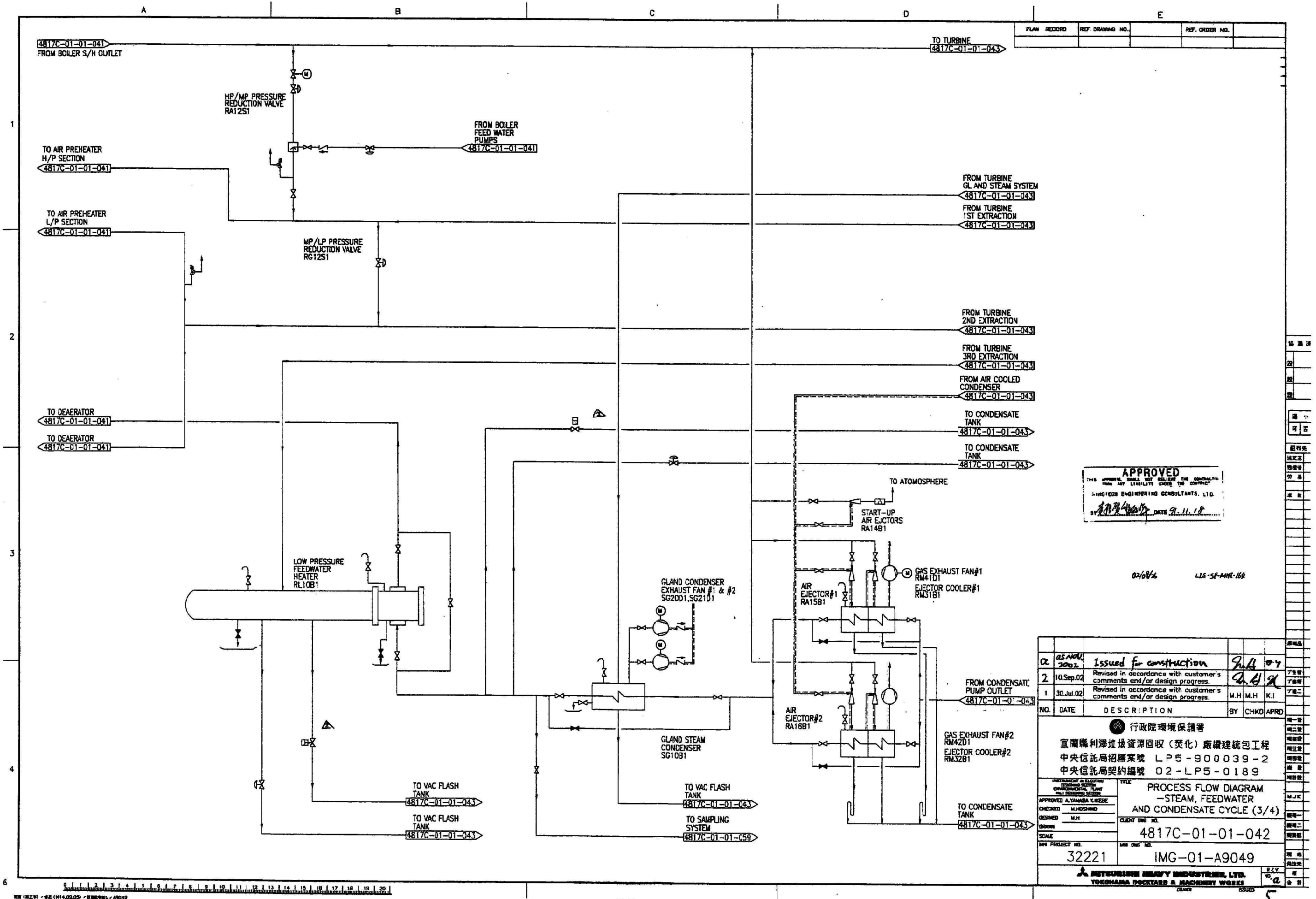
APPROBANT & ELECTRIC DESIGNING SECTION APPROVED A. TAMADA K. KINZE CHECKED M. HOSHINO DESIGNED M.H. DRAWN SCALE MH PROJECT NO. 32221	TITLE PROCESS FLOW DIAGRAM -SYMBOLS AND LEGEND CLIENT DWG NO. 4817C-01-01-039 MH DWG NO. IMG-01-A9046
--	---

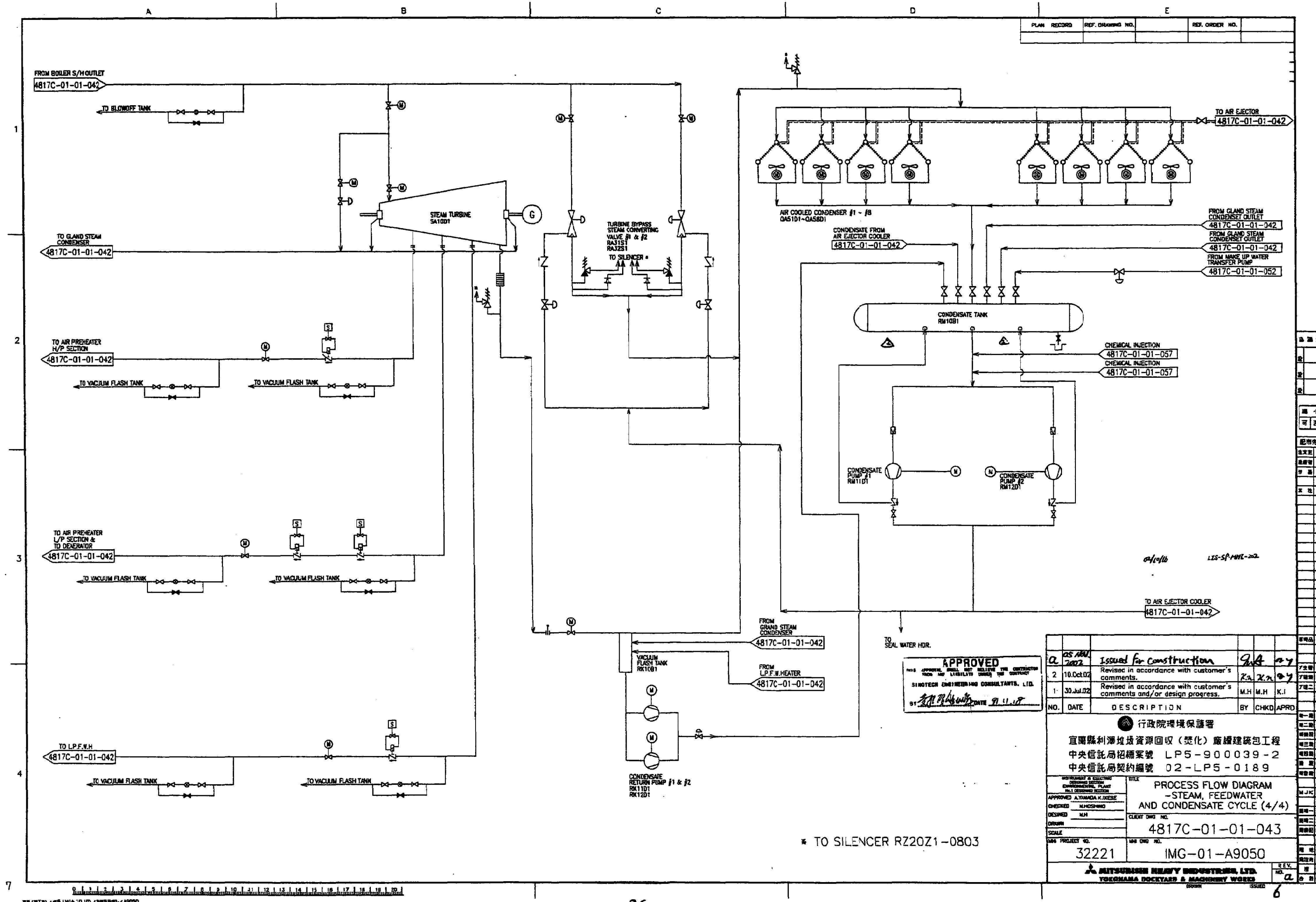


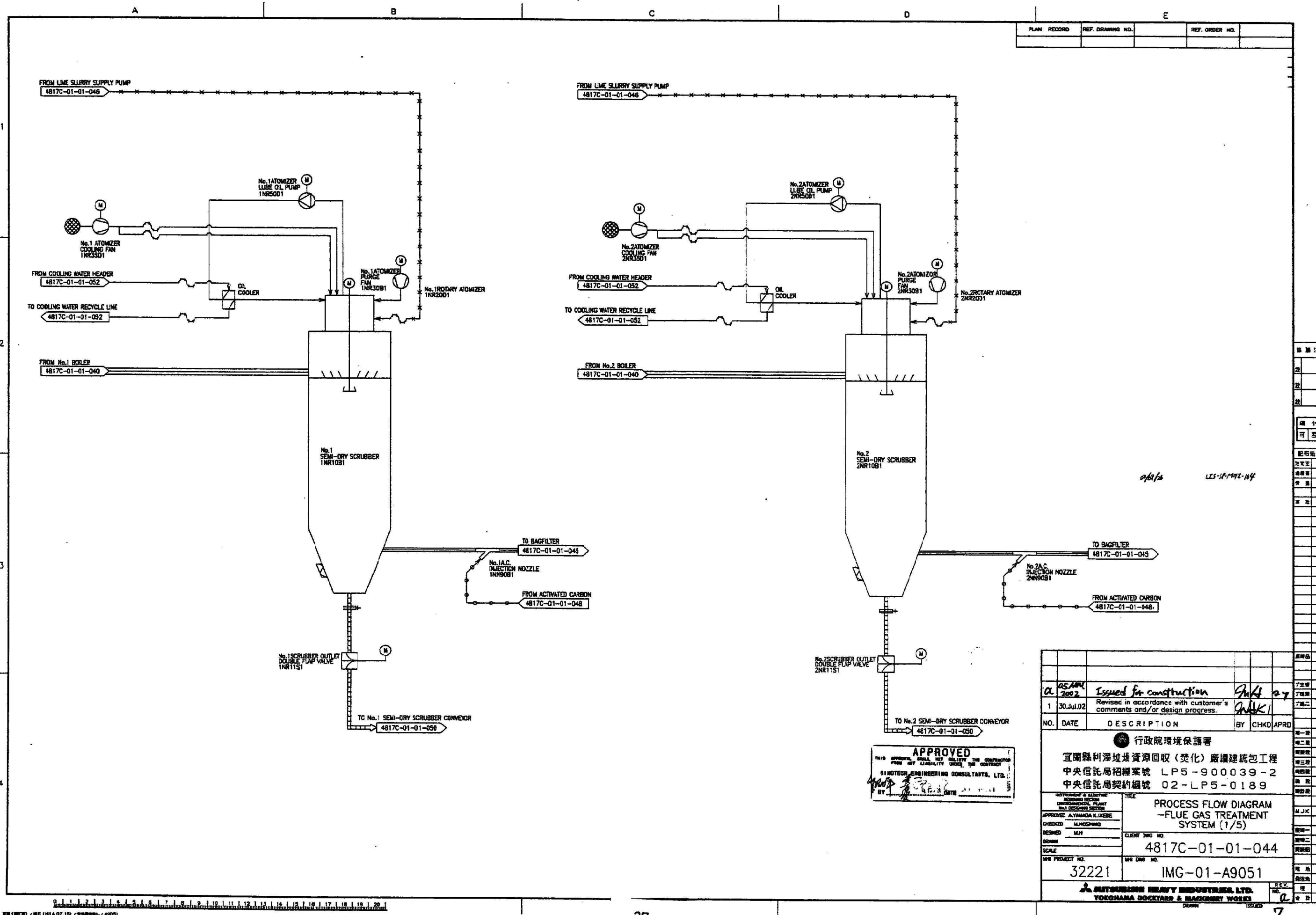
MITSUBISHI HEAVY INDUSTRIES, LTD.
 TOKOHAMA DOCKYARD & MACHINERY WORKS

RE
 NO.

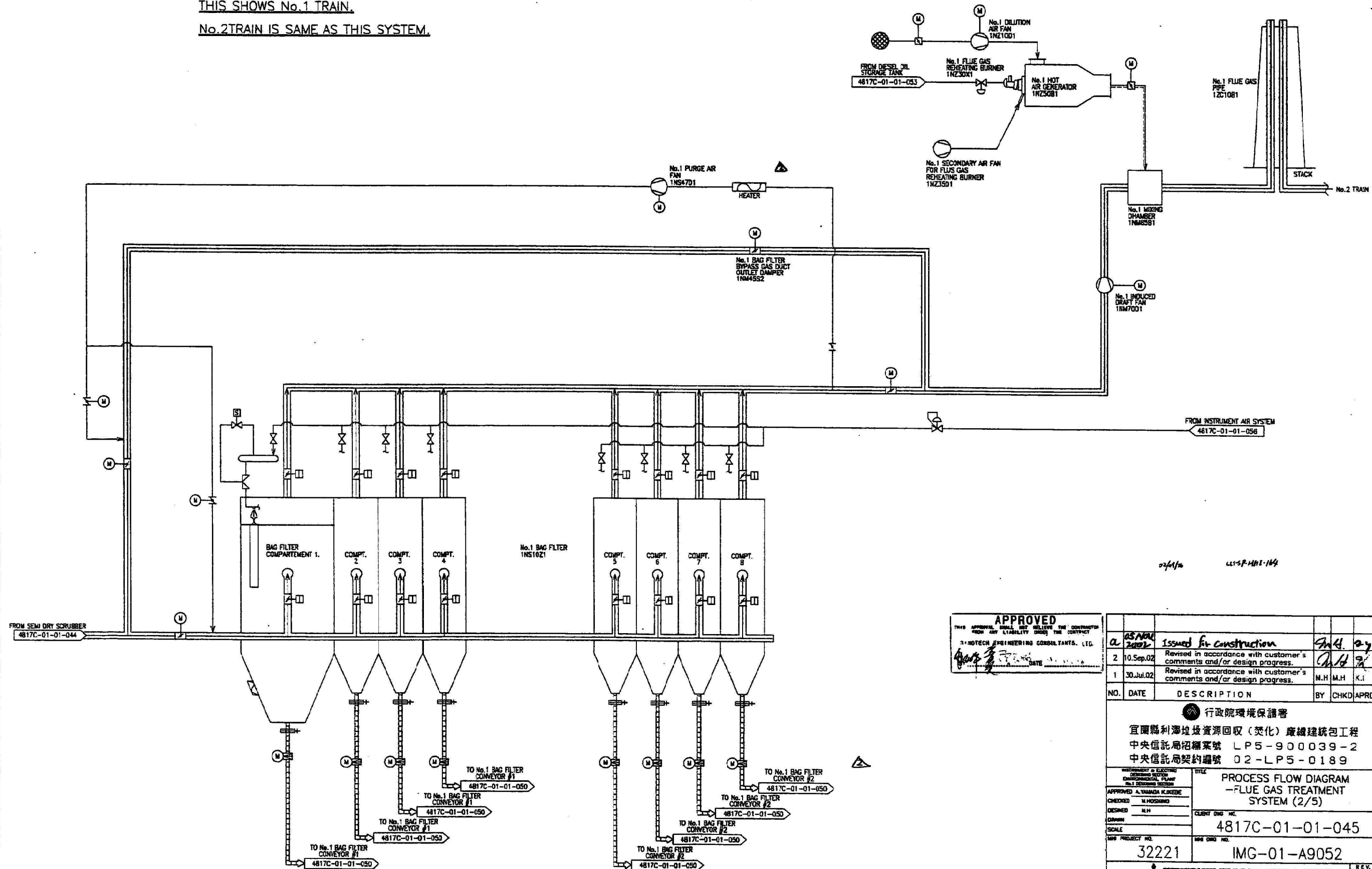






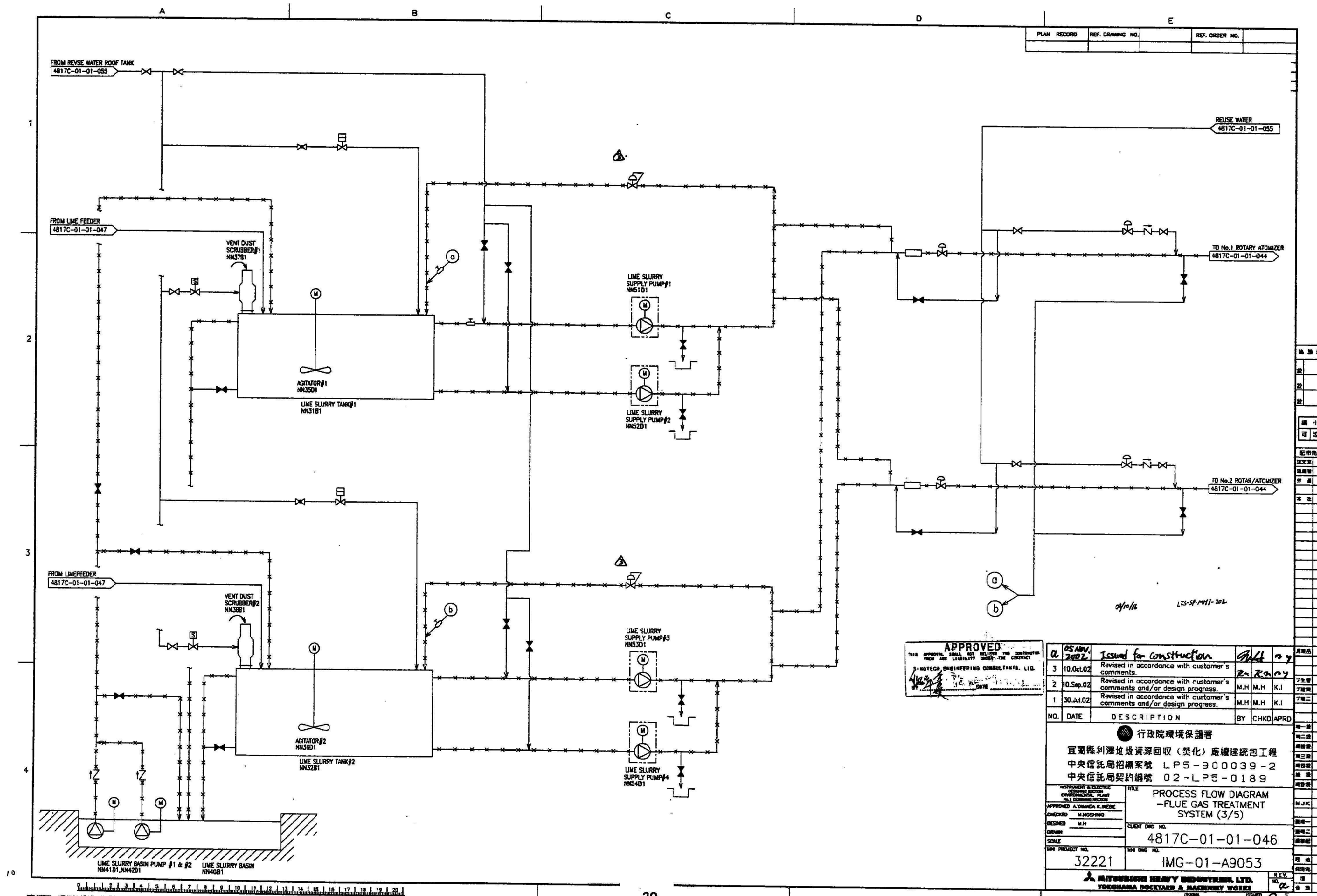


THIS SHOWS No.1 TRAIN.
No.2 TRAIN IS SAME AS THIS SYSTEM.



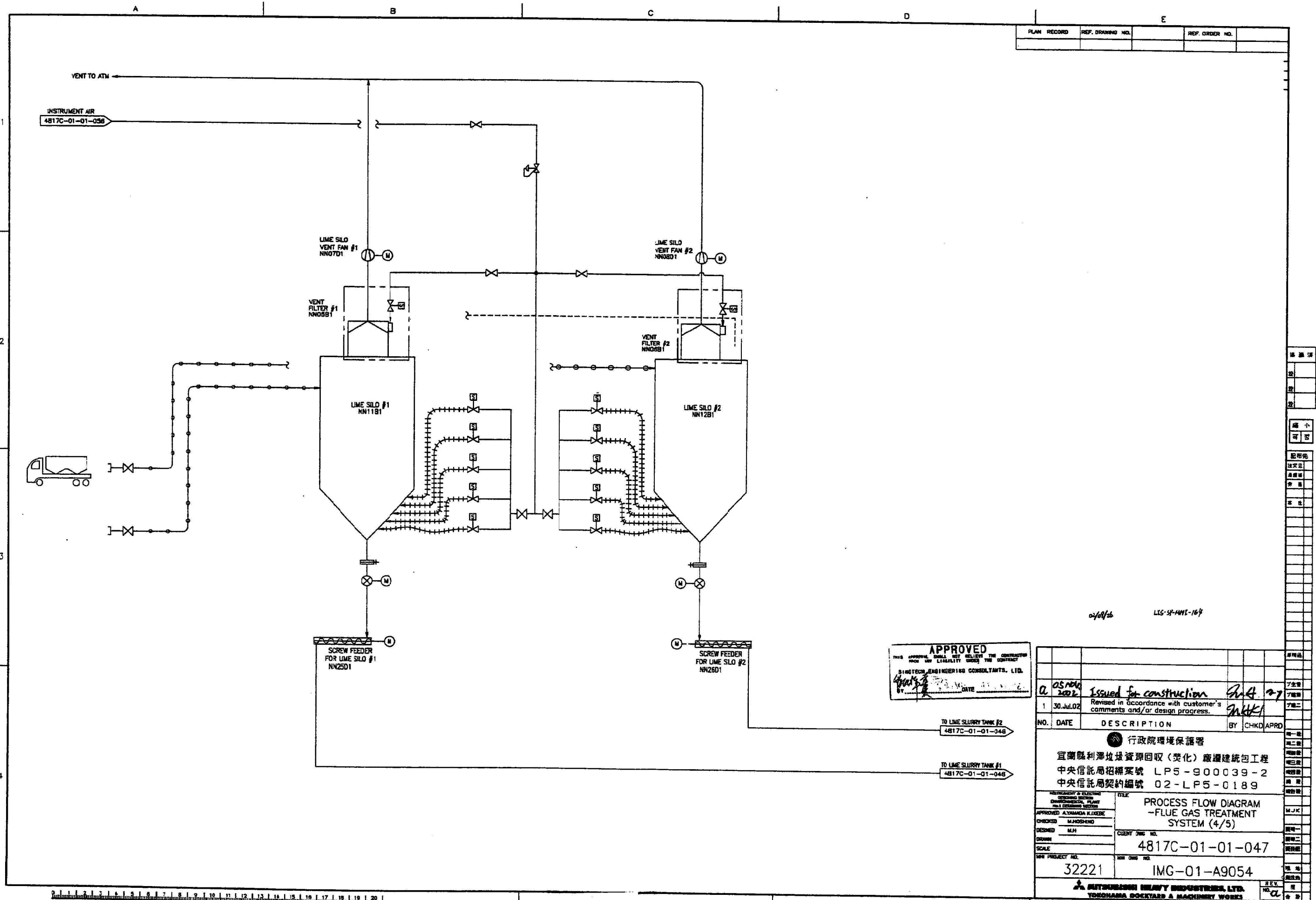
NO.	DATE	DESCRIPTION	BY	CHKD	APRD
1	05/NOV/2002	Issued for construction	SHK	27	
2	10/Sep/02	Revised in accordance with customer's comments and/or design progress.	SHK	27	
1	30/Jul/02	Revised in accordance with customer's comments and/or design progress.	M.H	M.H	K.I

行政院環境保護署 宜蘭縣利澤坡資源回收(焚化)廠總建統包工程 中央信託局招標案號 LP5-900039-2 中央信託局契約編號 02-LP5-0189	
INSTRUMENT & ELECTRIC DESIGNING SECTION APPROVED A.YAMADA K.KUREBE CHECKED M.HOSHIKAWA DESIGNED M.H. DRAWN SCALE MHP PROJECT NO. 32221	TITLE PROCESS FLOW DIAGRAM -FLUE GAS TREATMENT SYSTEM (2/5) CLIENT DWG NO. 4817C-01-01-045 MHP DWG NO. IMG-01-A9052 YOKOHAMA ROCKET & MACHINERY WORKS



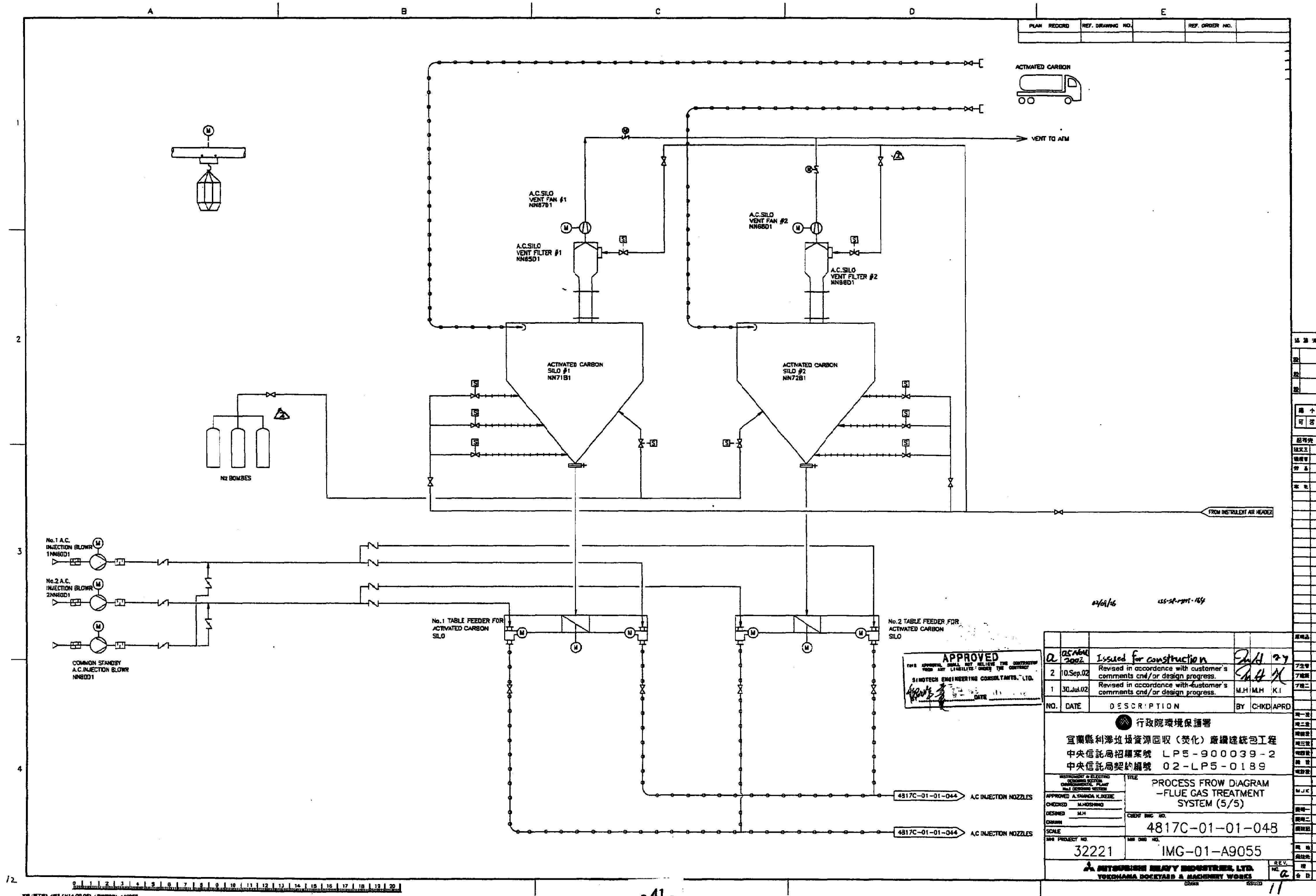
APPROVED
 1110 APPROVAL SHALL NOT RELIEVE THE CONTRACTOR FROM HIS LIABILITY UNDER THE CONTRACT
 SINGTECH ENGINEERING CONSULTANTS, LTD.
 1/23/02

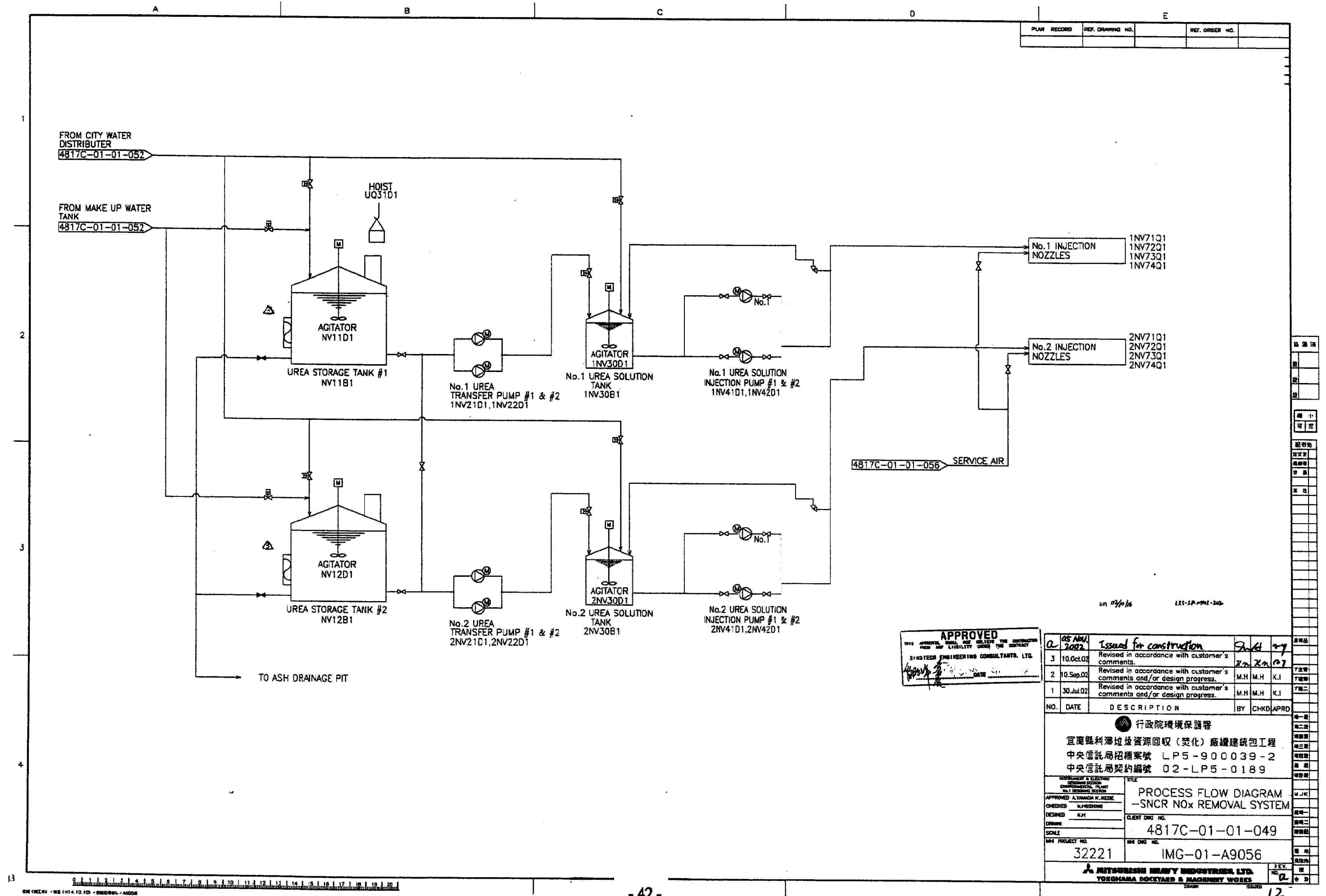
05 NOV 2002	Issued for construction	Rev	27	原出品
3 10.Oct.02	Revised in accordance with customer s comments.	Rev	Rev	7生管
2 10.Sep.02	Revised in accordance with customer s comments and/or design progress.	M.H	M.H K.I	7生管
1 30.Jul.02	Revised in accordance with customer s comments and/or design progress.	M.H	M.H K.I	7生二
NO. DATE	DESCRIPTION	BY	CHKD	APRD
 行政院環境保護署 宜蘭縣利澤坡資源回收(焚化)廠擴建統包工程 中央信託局招標案號 LP5-900039-2 中央信託局契約編號 02-LP5-0189				
INSTRUMENT & ELECTRIC EQUIPMENT SPECIFICATIONS MECHANICAL PART NO. 1. DESCRIPTION		TITLE PROCESS FLOW DIAGRAM -FLUE GAS TREATMENT SYSTEM (3/5)		
APPROVED A.TAMADA E.MEDIE CHECKED M.HOSHINO DESIGNED M.H DRAWN SCALE		CLIENT ENG. NO. 4817C-01-01-046		
MAIN PROJECT NO. 32221		NO. ENG. NO. IMG-01-A9053		
 MITSUBISHI HEAVY INDUSTRIES, LTD. YOKOHAMA DOCKYARD & MACHINERY WORKS		REV. NO. 2		



APPROVED
 THIS APPROVAL SHALL NOT RELIEVE THE CONTRACTOR FROM HIS LIABILITY UNDER THE CONTRACT.
 SINGTECH ENGINEERING CONSULTANTS, LTD.
 BY: [Signature] DATE: 30 JUL 02

NO.	DATE	DESCRIPTION	BY	CHKD	APRD
1	30 JUL 02	Issued for construction	MLH		
Revised in accordance with customer's comments and/or design progress.					
行政院環境保護署 宜蘭縣利澤垃圾資源回收(焚化)廠擴建統包工程 中央信託局招標案號 LP5-900039-2 中央信託局契約編號 02-LP5-0189					
INSTRUMENT & ELECTRIC DESIGN SECTION APPROVED: A.YAMADA K. KODZE CHECKED: M.HOSHINO DESIGNED: M.H. DRAWN: SCALE: SHEET PROJECT NO. 32221			TITLE: PROCESS FLOW DIAGRAM - FLUE GAS TREATMENT SYSTEM (4/5) CLIENT DWG NO. 4817C-01-01-047 SHEET DWG NO. IMG-01-A9054		
MITSUBISHI HEAVY INDUSTRIES, LTD. YOKOHAMA DOCKYARD & MACHINERY WORKS DRAWN: [Signature] ISSUED: 10					





NO.	DATE	DESCRIPTION	BY	CHKD	APRD
1	30.Jul.02	Revised in accordance with customer's comments and/or design progress.	M.H	M.H	K.I
2	10.Sep.02	Revised in accordance with customer's comments and/or design progress.	M.H	M.H	K.I
3	10.Oct.02	Revised in accordance with customer's comments.	M.H	M.H	K.I
4	05.Nov.2002	Issued for construction	M.H	M.H	K.I

行政院環境保護署
宜蘭縣利澤垃圾資源回收(焚化)廠擴建統包工程
中央信託局招標案號 LP5-900039-2
中央信託局契約編號 02-LP5-0189

PROCESS FLOW DIAGRAM
-SNCR NOx REMOVAL SYSTEM

CLIENT DNG NO.
4817C-01-01-049

PROJECT NO.
32221

ISSUE NO.
IMG-01-A9056

MITSUBISHI HEAVY INDUSTRIES, LTD.
YOKOHAMA ROCKETARY & MACHINERY WORKS

