

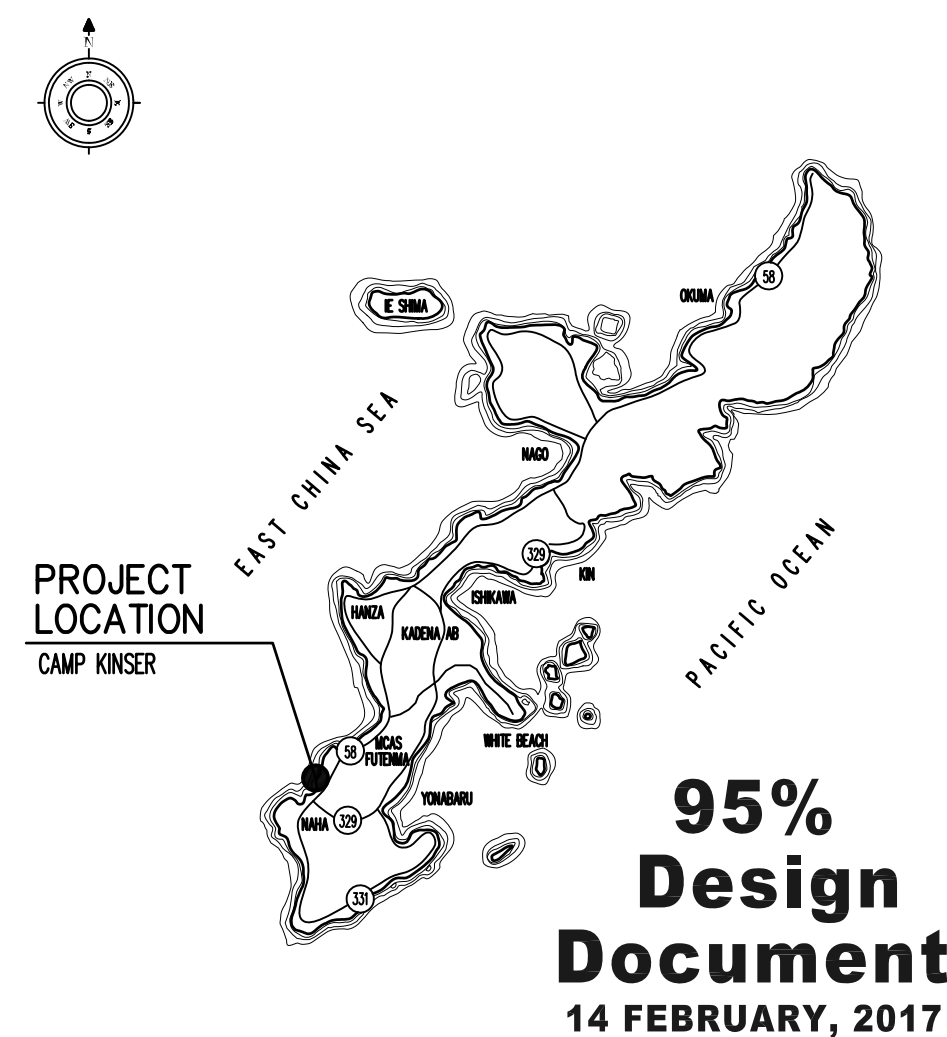
[illegible]

**Submitted by:**

MIRAIT TECHNOLOGIES CORPORATION  
3-3-15, Edobori, Nishi-ku, Osaka-shi, 550-0002 Japan  
Tel: 06-6446-3404 Fax: 06-6446-0539

## LOCATION MAP

**SUBMITTAL**  
95%



Date: 14 FEB '17

REPAIR MFH, KINSER HEIGHTS (97UN)

CAMP KINSER,	NYJS 16-4540	OKINAWA, JAPAN
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INDEX OF DRAWINGS, TARGET DESIGNATIONS, LOCATION & VICINITY MAPS AND ABBREVIATIONS

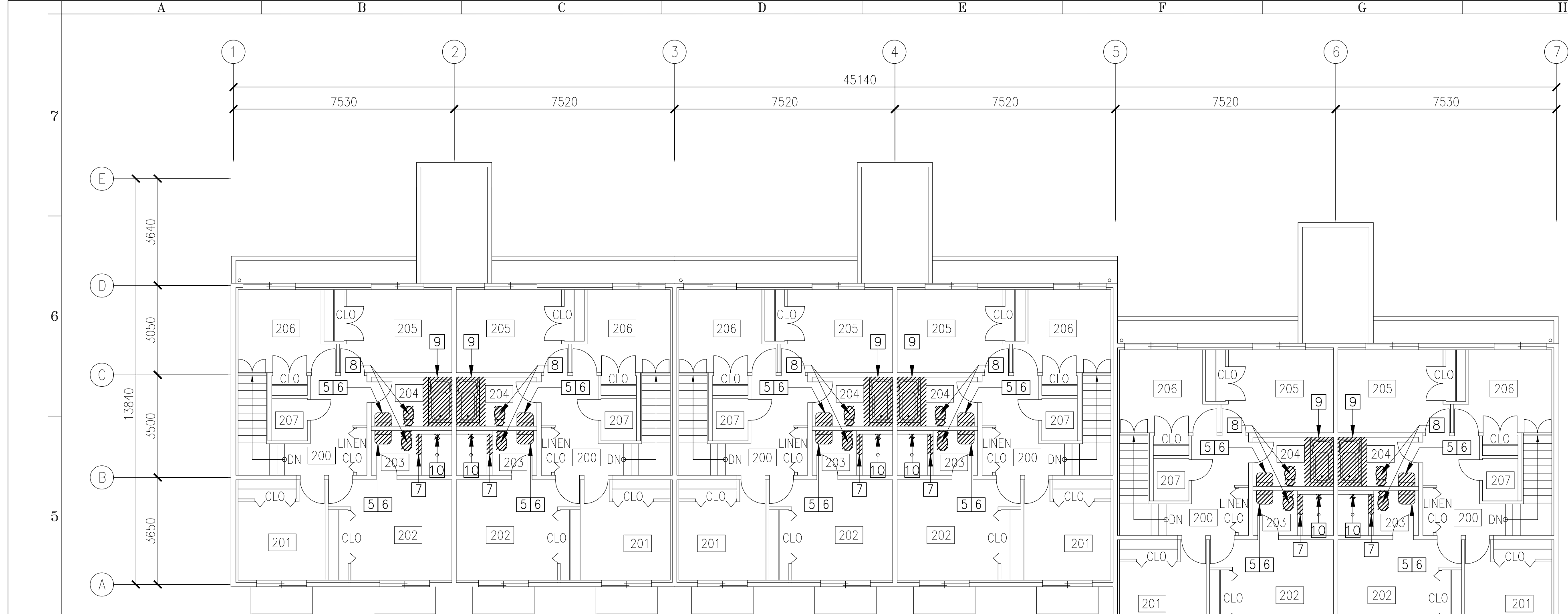
CONTRACT NUMBER

SHEET REFERENCE NO.

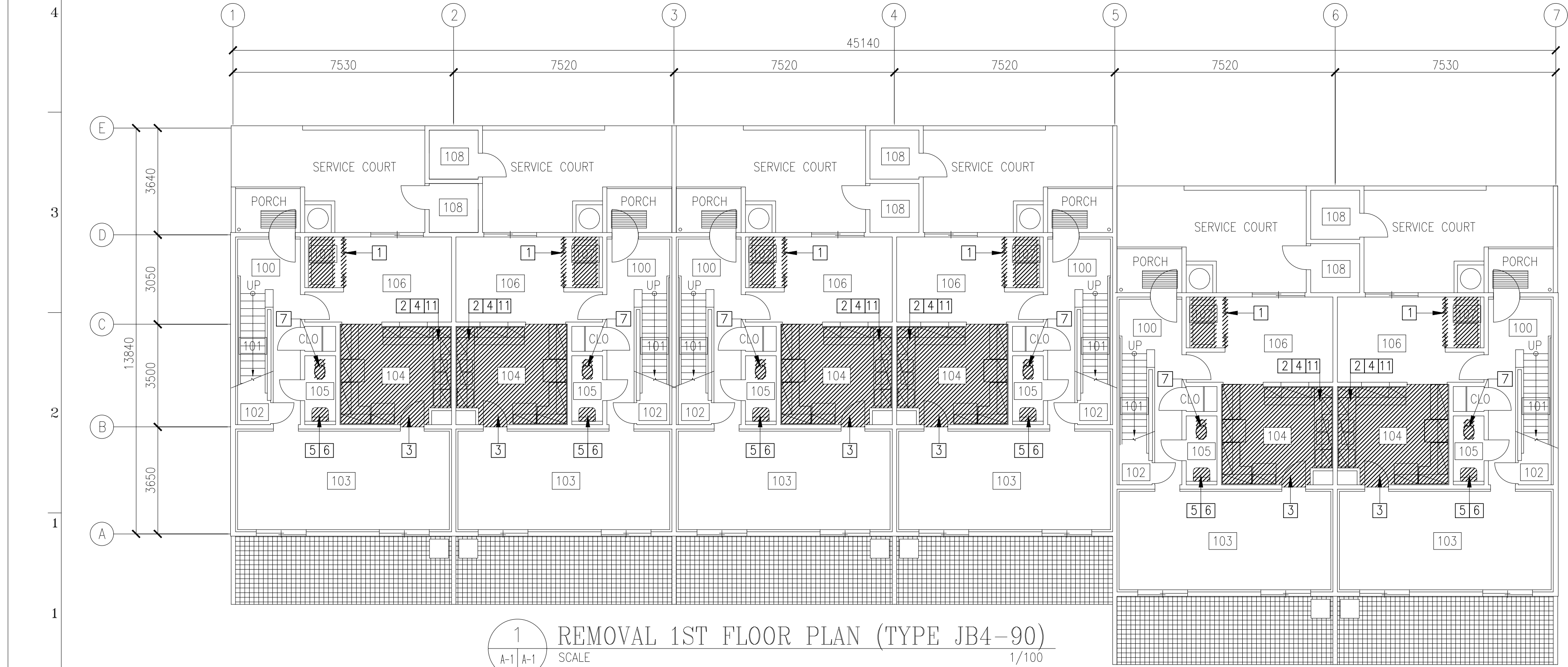
T-1

SHEET: 1 OF 62





2 REMOVAL 2ND FLOOR PLAN (TYPE JB4-90)  
SCALE 1/100



1 REMOVAL 1ST FLOOR PLAN (TYPE JB4-90)  
SCALE 1/100

SCOPE OF WORKS: TYPE JB4-90  
(BLDG. 1401, 1404, 1418, 1423, 1426, 1429,  
1432, 1441, 1444 & 1453 - 6 UNITS)  
(BLDG. 1420, 1435, 1438, 1447, 1450 &  
1456 - 4 UNITS)

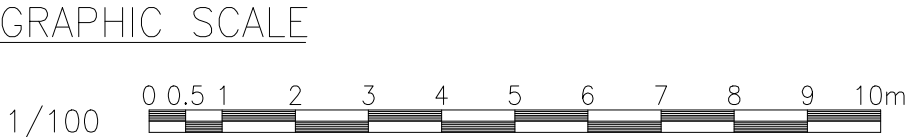
REMOVAL WORKS

- 1 REMOVE EXISTING ACCORDION DOORS AND FRAMES.
- 2 REMOVE EXISTING BASE AND WALL CABINETS.
- 3 REMOVE EXISTING VINYL COMPOSITION TILE AND WALL BASE.
- 4 REMOVE EXISTING CERAMIC WALL TILES.
- 5 REMOVE EXISTING LAVATORY BY MECHANICAL.
- 6 REMOVE EXISTING MEDICINE CABINET WITH LIGHTING FIXTURE.
- 7 REMOVE EXISTING GLASS SHOWER ENCLOSURE.
- 8 REMOVE EXISTING WATER CLOSET BY MECHANICAL.
- 9 REMOVE PARTIAL FLOOR TILES DUE TO BATHTUB REMOVAL.
- 10 REMOVE EXISTING SHOWER VALVE AND HEAD BY MECHANICAL
- 11 REMOVE EXISTING KITCHEN EQUIPMENT TO INCLUDE RANGE AND REF.

NOTES:

- 1. SEE VICINITY MAP ON TITLE SHEET FOR NORTH ORIENTATION.
- 2. SCOPE OF WORK IS TYPICAL ON UNITS SHOWN.
- 3. SEE SHEET A-3 FOR REMOVAL REFLECTED CEILING PLAN OF JB4-90.

TYPE JB4-90	
ROOM NUMBER	ROOM NAMES
1ST FLOOR	
100	ENTRANCE
101	STAIR
102	INTERIOR STORAGE
103	LIVING & DINING
104	KITCHEN
105	TOILET
106	FAMILY ROOM
107	LAUNDRY
108	EXTERIOR STORAGE
2ND FLOOR	
200	HALL
201	BEDROOM 1
202	MASTER'S BEDROOM
203	SHOWER ROOM
204	BATHROOM
205	BEDROOM 3
206	BEDROOM 2
207	STORAGE



MIRAIT TECHNOLOGIES

Submitted by:

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SUBMITTAL

95%

Date: 14 FEB '17

REPAIR MFH, KINSER HEIGHTS (97UN)

OKINAWA, JAPAN

CAMP KINSER.

NYJS 16-4540

REMOVAL 1ST & 2ND FLOOR PLAN (TYPE JB4-90)

CONTRACT NUMBER

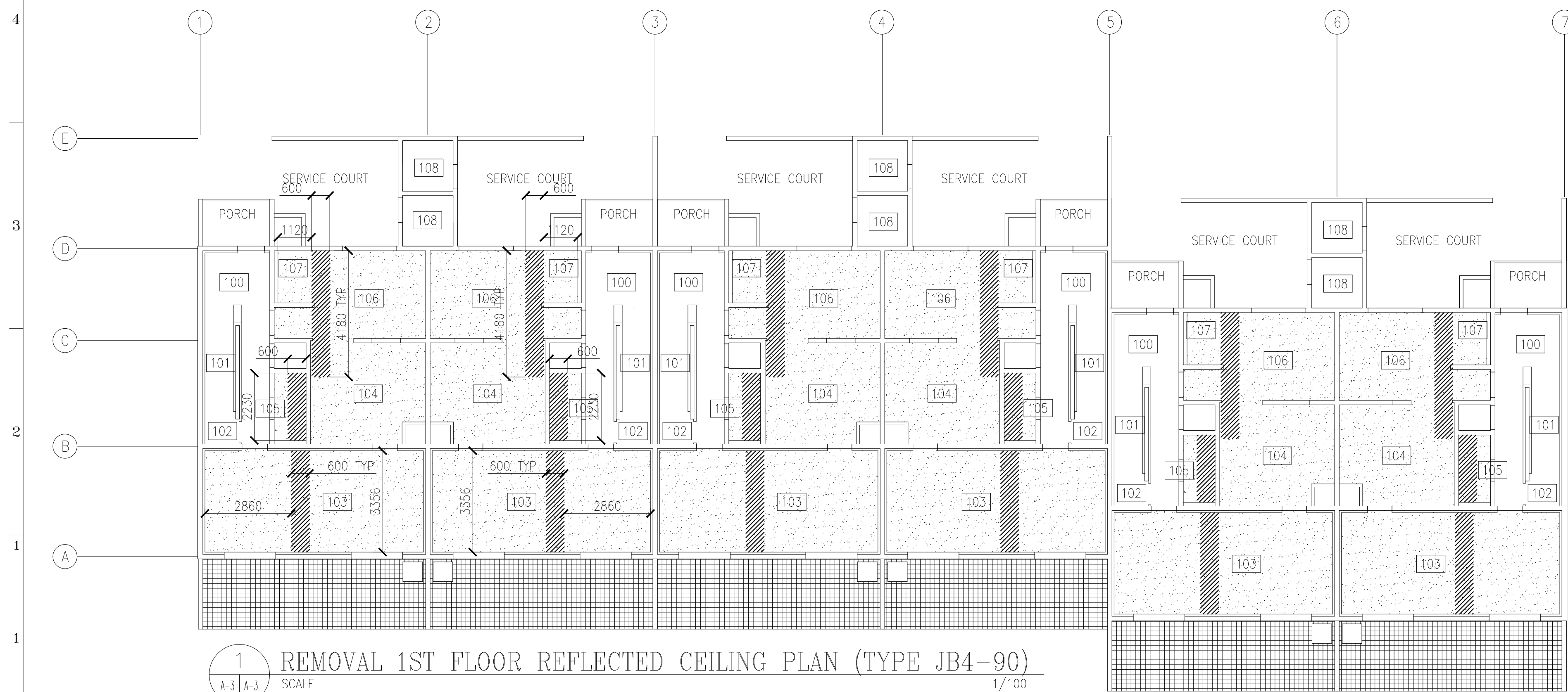
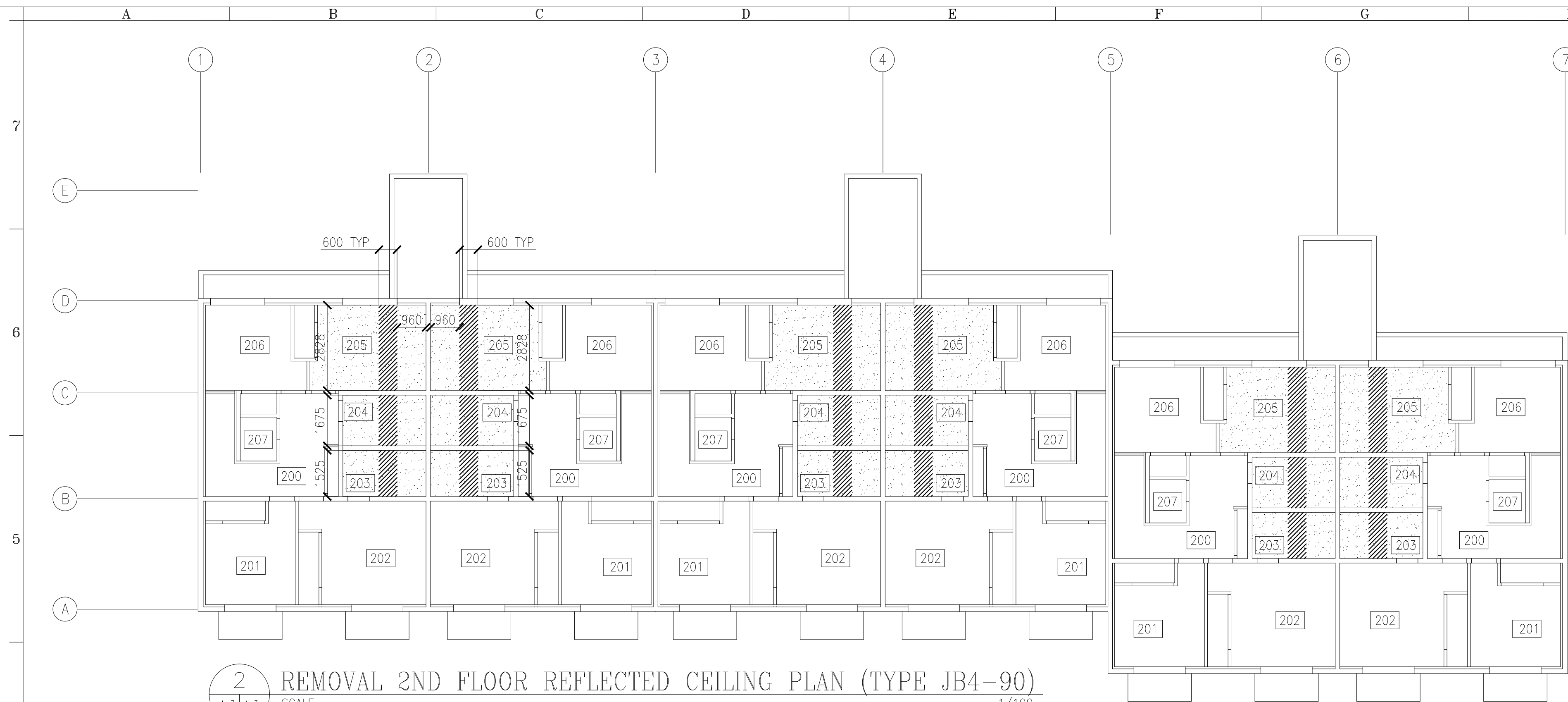
SHEET REFERENCE NO.

A-1

SHEET: 2 OF 62







### LEGEND



REMOVE PARTIAL GYPSUM BOARD CEILING  
DUE TO MECHANICAL INSTALLATION.

TYPE JB4-90	
ROOM NUMBER	ROOM NAMES
1ST FLOOR	
100	ENTRANCE
101	STAIR
102	INTERIOR STORAGE
103	LIVING & DINING
104	KITCHEN
105	TOILET
106	FAMILY ROOM
107	LAUNDRY
108	EXTERIOR STORAGE
2ND FLOOR	
200	HALL
201	BEDROOM 1
202	MASTER'S BEDROOM
203	SHOWER ROOM
204	BATHROOM
205	BEDROOM 3
206	BEDROOM 2
207	STORAGE

[illegible][illegible]

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Tel:06-6446-3404 Fax:06-6446-0539

SUBMITTAL

95%

Date: 14 FEB '17

CAMP KINSER, NYUS 16-4540 OKINAWA, JAPAN  
REPAIR MFH, KINSER HEIGHTS (97UN)  
REMOVAL 1ST & 2ND FLOOR REFLECTED CEILING PLAN (TYPE JB4-90)

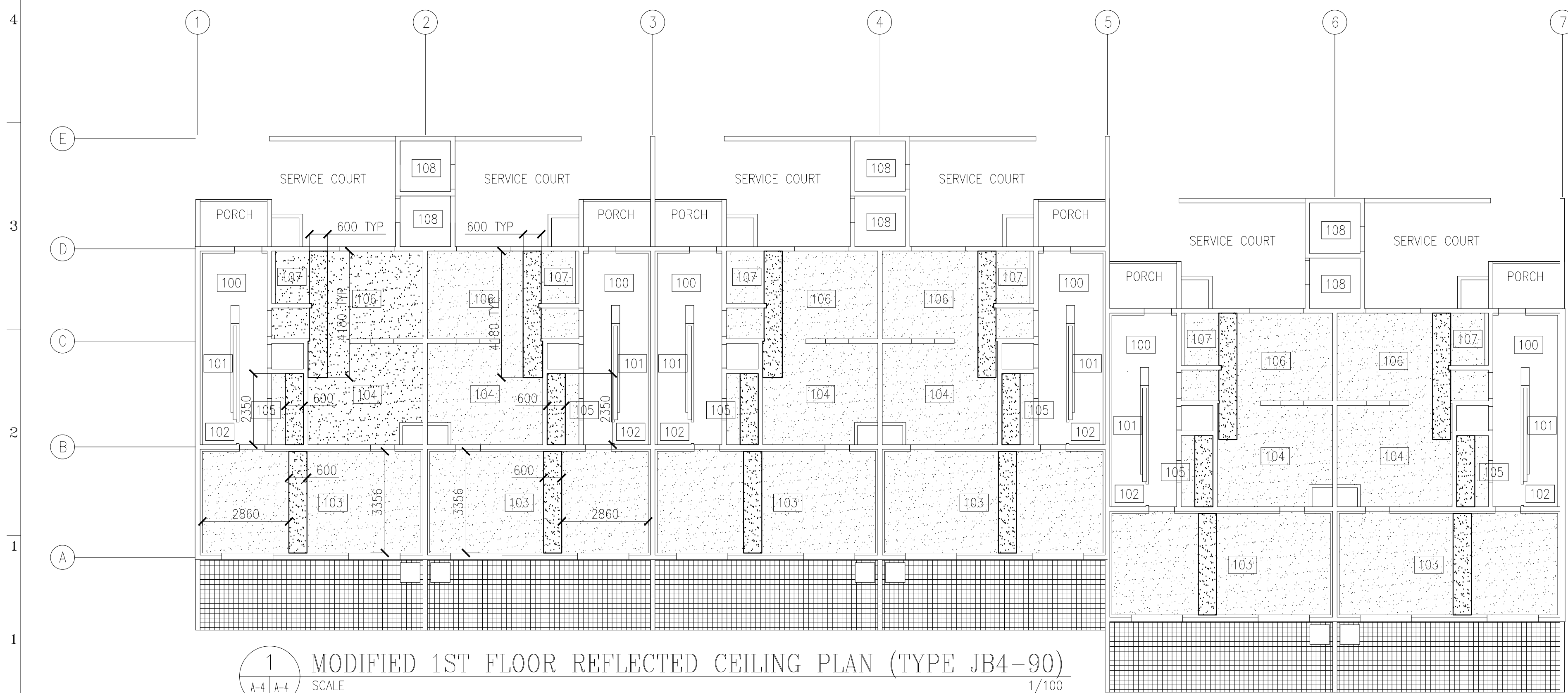
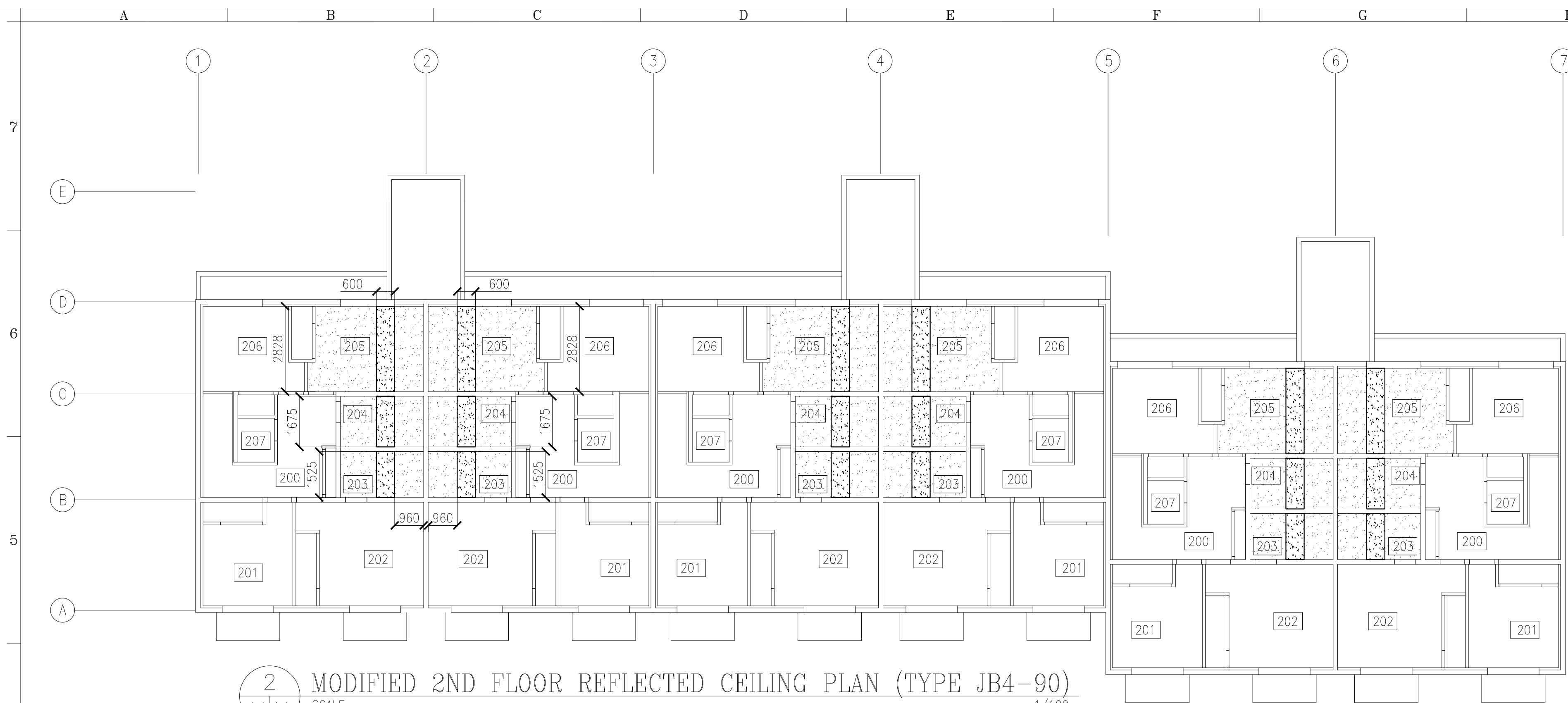
CONTRACT NUMBER

SHEET REFERENCE NO.

**A-3**

SHEET: 4 OF 62





### LEGEND



NEW PARTIAL GYPSUM BOARD CEILING.



EXISTING GYPSUM BOARD CEILING

TYPE JB4-90	
ROOM NUMBER	ROOM NAMES
1ST FLOOR	
100	ENTRANCE
101	STAIR
102	INTERIOR STORAGE
103	LIVING & DINING
104	KITCHEN
105	TOILET
106	FAMILY ROOM
107	LAUNDRY
108	EXTERIOR STORAGE
2ND FLOOR	
200	HALL
201	BEDROOM 1
202	MASTER'S BEDROOM
203	SHOWER ROOM
204	BATHROOM
205	BEDROOM 3
206	BEDROOM 2
207	STORAGE

[illegible][illegible]

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SUBMITTAL

95%

Date: 14 FEB '17

REPAIR MFH, KINSER HEIGHTS (97UN)	CAMP KINSER,	NYJS 16-4540	OKINAWA, JAPAN
MODIFIED 1ST & 2ND FLOOR REFLECTED CEILING PLAN (TYPE JB4-90)			

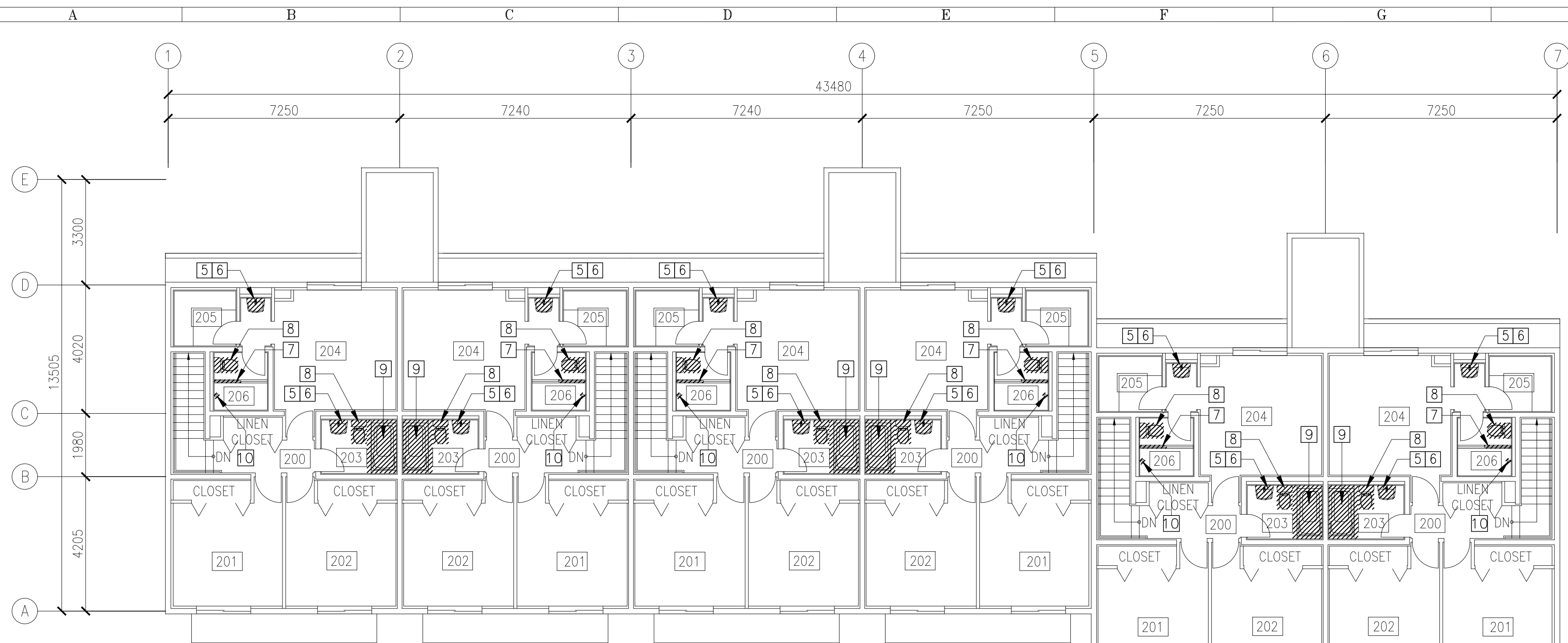
CONTRACT NUMBER  
 SET REFERENCE NO.  
**A-4**  
 SHEET: 5 OF 62

GRAPHIC SCALE

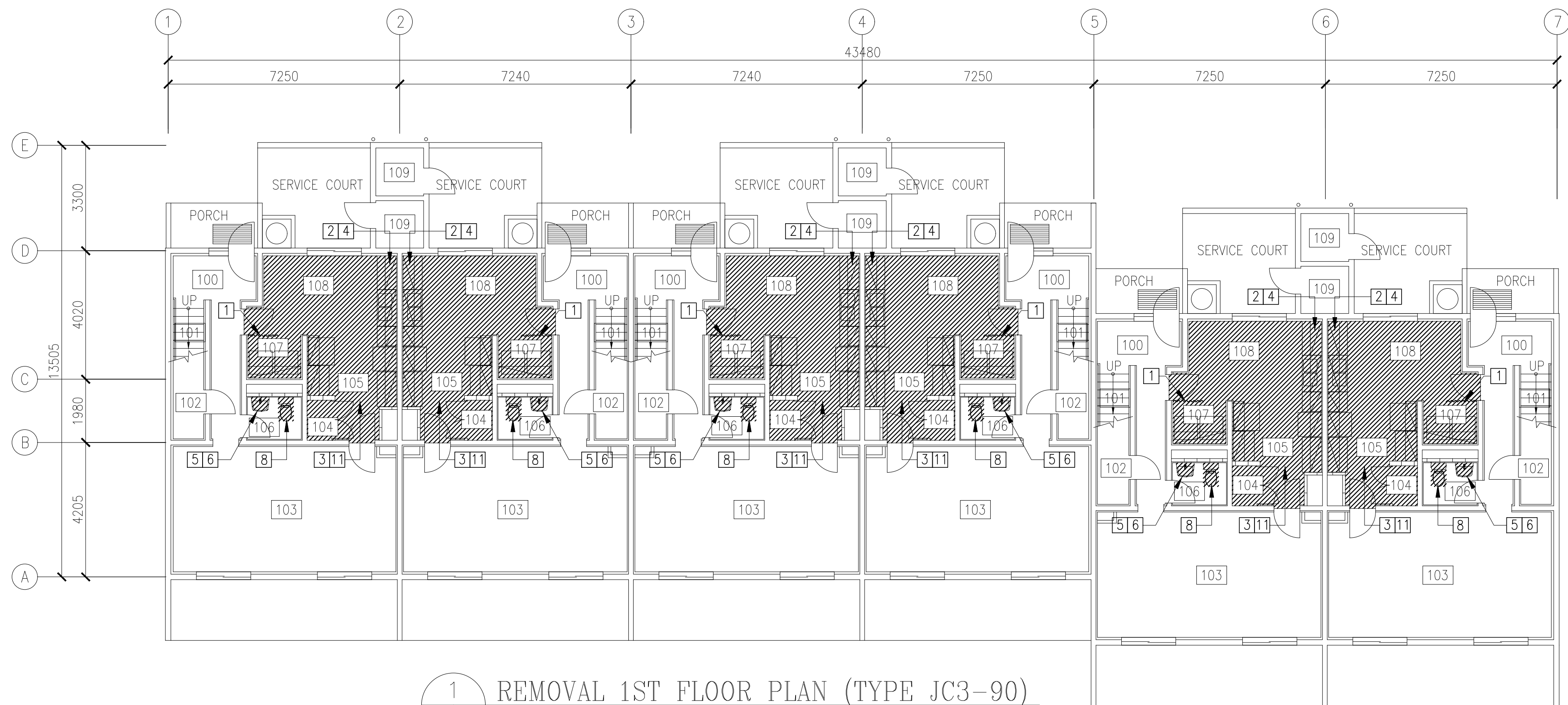
1/100







2 REMOVAL 2ND FLOOR PLAN (TYPE JC3-90)  
A-5 A-5 SCALE 1/100



1 REMOVAL 1ST FLOOR PLAN (TYPE JC3-90)  
A-5 A-5 SCALE 1/100

SCOPE OF WORKS:  
TYPE JC3-90 (BLDG. 1407 AND 1411)

#### REMOVAL WORKS

- 1 REMOVE EXISTING ACCORDION DOORS AND FRAMES.
- 2 REMOVE EXISTING BASE AND WALL CABINETS.
- 3 REMOVE EXISTING VINYL COMPOSITION TILE AND WALL BASE.
- 4 REMOVE EXISTING CERAMIC WALL TILES.
- 5 REMOVE EXISTING LAVATORY BY MECHANICAL.
- 6 REMOVE EXISTING MEDICINE CABINET WITH LIGHTING FIXTURE.
- 7 REMOVE EXISTING GLASS SHOWER ENCLOSURE.
- 8 REMOVE EXISTING WATER CLOSET BY MECHANICAL.
- 9 REMOVE PARTIAL FLOOR TILES DUE TO BATHTUB REMOVAL.
- 10 REMOVE EXISTING SHOWER VALVE AND HEAD BY MECHANICAL.
- 11 REMOVE EXISTING KITCHEN EQUIPMENT TO INCLUDE RANGE AND REF.

#### NOTES:

1. SEE VICINITY MAP ON TITLE SHEET FOR NORTH ORIENTATION.
2. SEE SHEET A-7 FOR REMOVAL REFLECTED CEILING PLAN OF JC3-90.

TYPE JC3-90	
ROOM NUMBER	ROOM NAMES
1ST FLOOR	
100	ENTRANCE
101	STAIR
102	INTERIOR STORAGE
103	LIVING & DINING
104	PANTRY
105	KITCHEN
106	TOILET
107	LAUNDRY
108	FAMILY ROOM
109	EXTERIOR STORAGE
2ND FLOOR	
200	HALL
201	BEDROOM 1
202	BEDROOM 2
203	BATHROOM
204	MASTER'S BEDROOM
205	CLOSET
206	SHOWER ROOM

GRAPHIC SCALE

1/100 0 0.5 1 2 3 4 5 6 7 8 9 10m



Date	Mark
Revision	Mark

Date	Mark
Revision	Mark

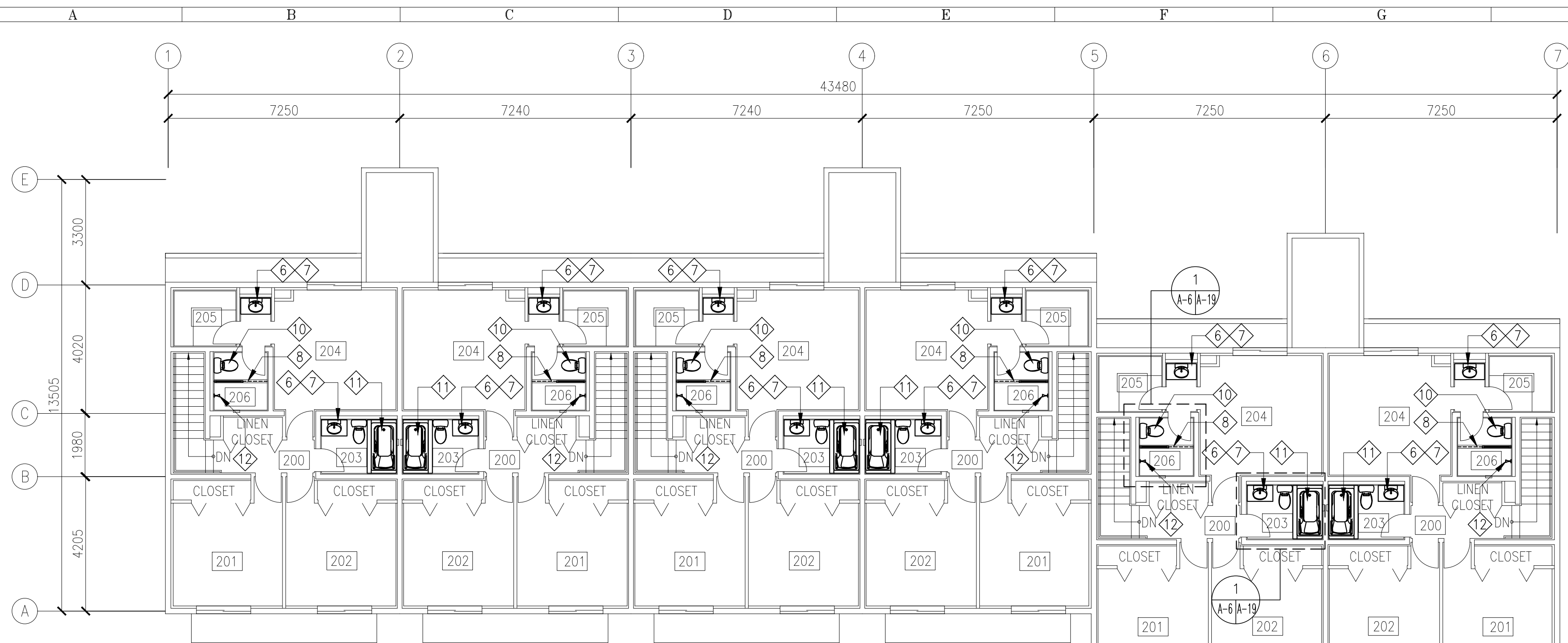
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SUBMITTAL  
95%  
Date: 14 FEB '17

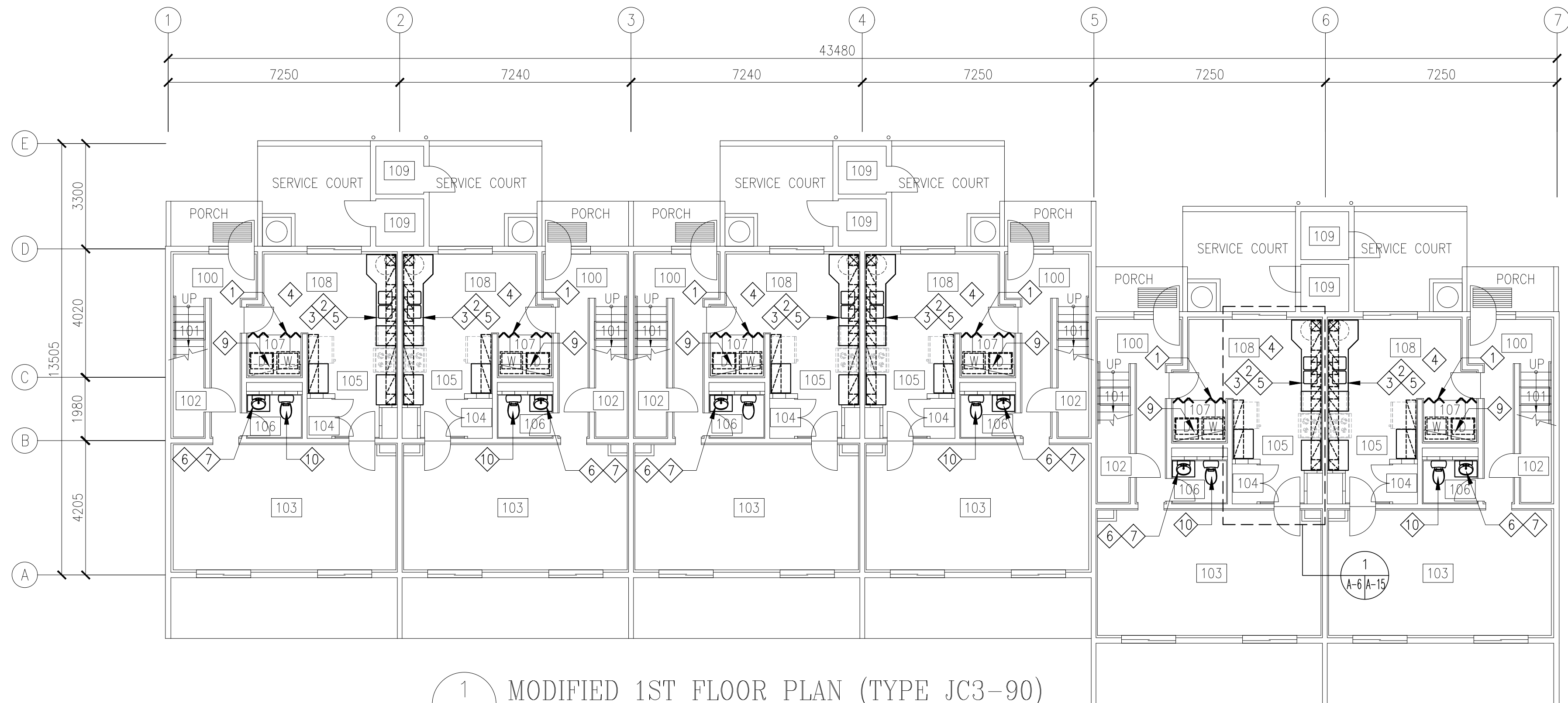
REPAIR MFH, KINSER HEIGHTS (97UN)  
OKINAWA, JAPAN  
CAMP KINSER, NYJS 16-4540  
REMOVAL 1ST & 2ND FLOOR PLAN (TYPE JC3-90)

CONTRACT NUMBER  
SHEET REFERENCE NO.  
A-5  
SHEET: 6 OF 62





2 MODIFIED 2ND FLOOR PLAN (TYPE JC3-90)  
SCALE 1/100



1 MODIFIED 1ST FLOOR PLAN (TYPE JC3-90)  
SCALE 1/100

## SCOPE OF WORKS: TYPE JC3-90 (BLDG. 1407 AND 1411)

### NEW WORKS

- 1 PROVIDE NEW WOOD BI-FOLD LOUVERED DOORS AND FRAMES. PAINT TO MATCH INTERIOR DOORS TO REMAIN.
- 2 INSTALL NEW GOVERNMENT FURNISHED KITCHEN EQUIPMENT.
- 3 PROVIDE NEW PLASTIC LAMINATED CABINETS AND COUNTERTOP. PROVIDE LAZY SUSAN BASE AND WALL CABINETS.
- 4 PROVIDE NEW 300x300x2mm THK VINYL COMPOSITION TILE AND 100mm HIGH WALL BASE.
- 5 PROVIDE NEW CERAMIC WALL TILES 100x100x5mm.
- 6 PROVIDE NEW PLASTIC LAMINATED VANITY CABINETS AND NON-POROUS SYNTHETIC COUNTERTOP WITH INTEGRAL LAVATORY.
- 7 PROVIDE NEW MEDICINE CABINET WITH LIGHTING FIXTURES.
- 8 PROVIDE NEW GLASS SHOWER ENCLOSURE.
- 9 INSTALL NEW GOVERNMENT FURNISHED LAUNDRY EQUIPMENT.
- 10 PROVIDE NEW WATER CLOSET, SEE MECHANICAL.
- 11 PROVIDE NEW BATHTUB (BY MECHANICAL) AND PARTIAL FLOOR TILES.
- 12 PROVIDE NEW SHOWER VALVE AND HEAD, BY MECHANICAL.

### NOTES:

1. SEE VICINITY MAP ON TITLE SHEET FOR NORTH ORIENTATION.

TYPE JC3-90	
ROOM NUMBER	ROOM NAMES
1ST FLOOR	
100	ENTRANCE
101	STAIR
102	INTERIOR STORAGE
103	LIVING & DINING
104	PANTRY
105	KITCHEN
106	TOILET
107	LAUNDRY
108	FAMILY ROOM
109	EXTERIOR STORAGE
2ND FLOOR	
200	HALL
201	BEDROOM 1
202	BEDROOM 2
203	BATHROOM
204	MASTER'S BEDROOM
205	CLOSET
206	SHOWER ROOM

### GRAPHIC SCALE

1/100 0 0.5 1 2 3 4 5 6 7 8 9 10m



Date
Revision
Mark

Date
Revision
Mark

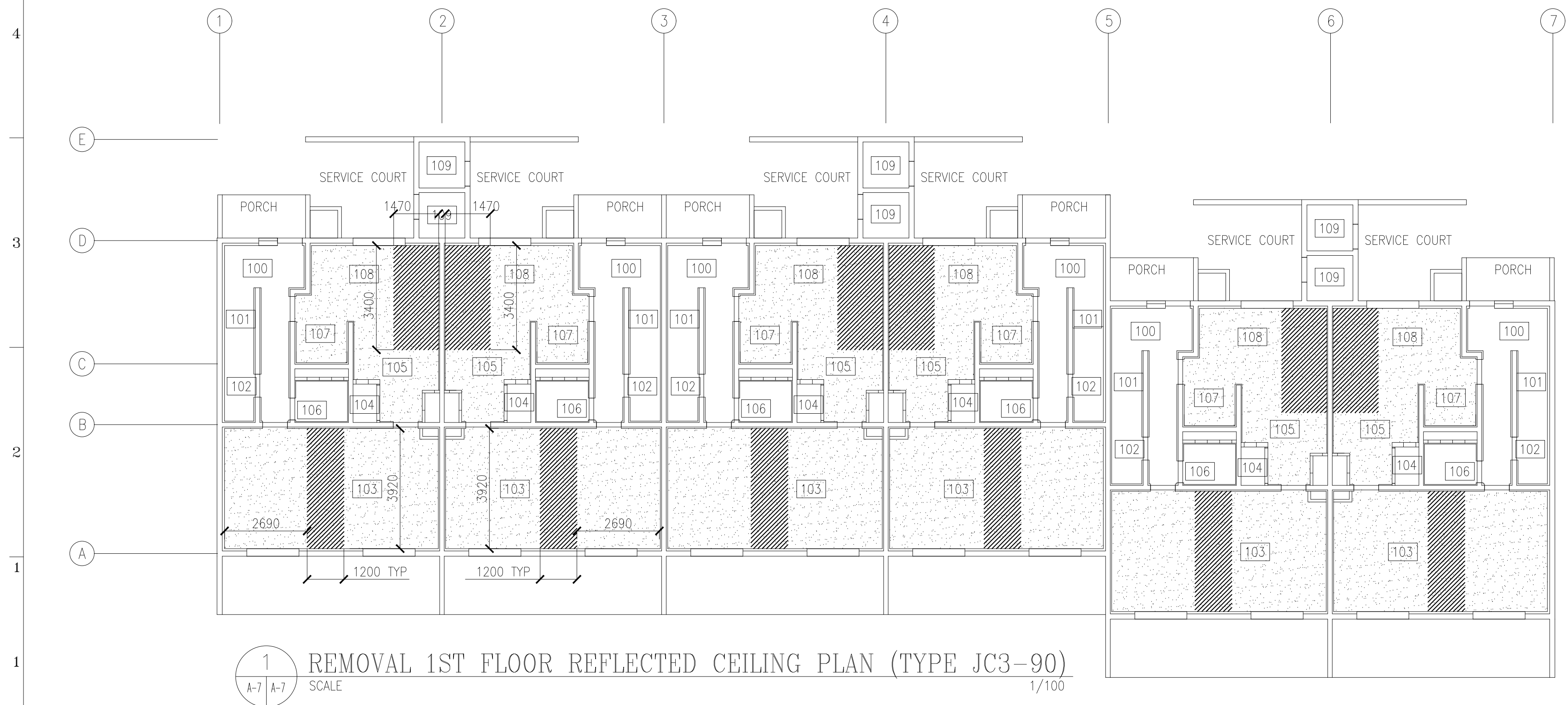
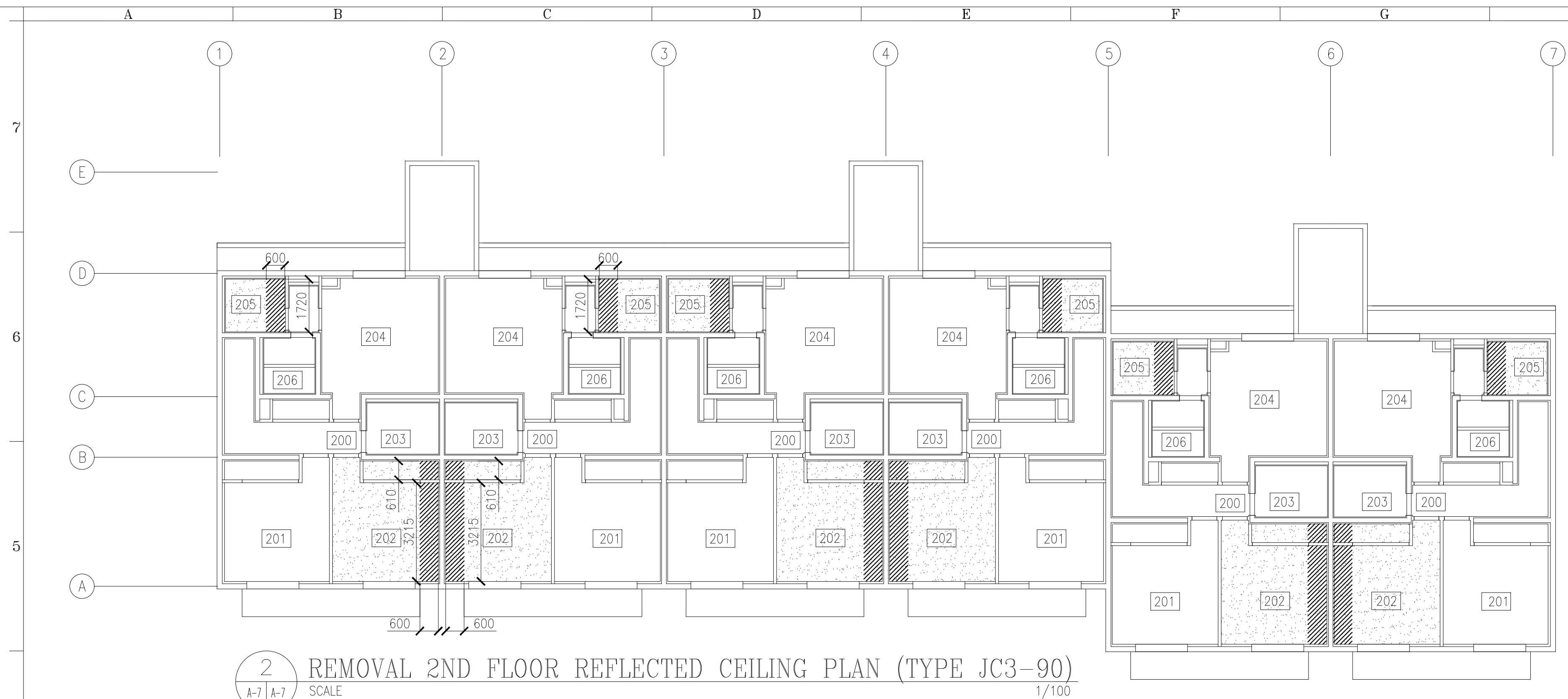
Submitted by:  
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SUBMITTAL  
95%  
Date:  
14 FEB '17

REPAIR MFH, KINSEY HEIGHTS (97UN)  
OKINAWA, JAPAN  
CAMP KINSEY,  
NYJS 16-4540  
MODIFIED 1ST & 2ND FLOOR PLAN (TYPE JC3-90)

CONTRACT NUMBER  
SHEET REFERENCE NO.  
A-6  
SHEET: 7 OF 62





## LEGEND



REMOVE PARTIAL GYPSUM BOARD CEILING  
DUE TO MECHANICAL INSTALLATION.

TYPE JC3-90	
ROOM NUMBER	ROOM NAMES
1ST FLOOR	
100	ENTRANCE
101	STAIR
102	INTERIOR STORAGE
103	LIVING & DINING
104	PANTRY
105	KITCHEN
106	TOILET
107	LAUNDRY
108	FAMILY ROOM
109	EXTERIOR STORAGE
2ND FLOOR	
200	HALL
201	BEDROOM 1
202	BEDROOM 2
203	BATHROOM
204	MASTER'S BEDROOM
205	CLOSET
206	SHOWER ROOM

[illegible][illegible]

Submitted by:

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SUBMITTAL

95%

Date: 14 FEB '17

CAMP KINSER,	NYUS 16-4540	OKINAWA, JAPAN
REPAIR MFH, KINSER HEIGHTS (97UN)		
REMOVAL TST & 2ND FLOOR REFLECTED CEILING PLAN (TYPE JC3-90)		

CONTRACT NUMBER

SHEET REFERENCE NO.

**A-7**

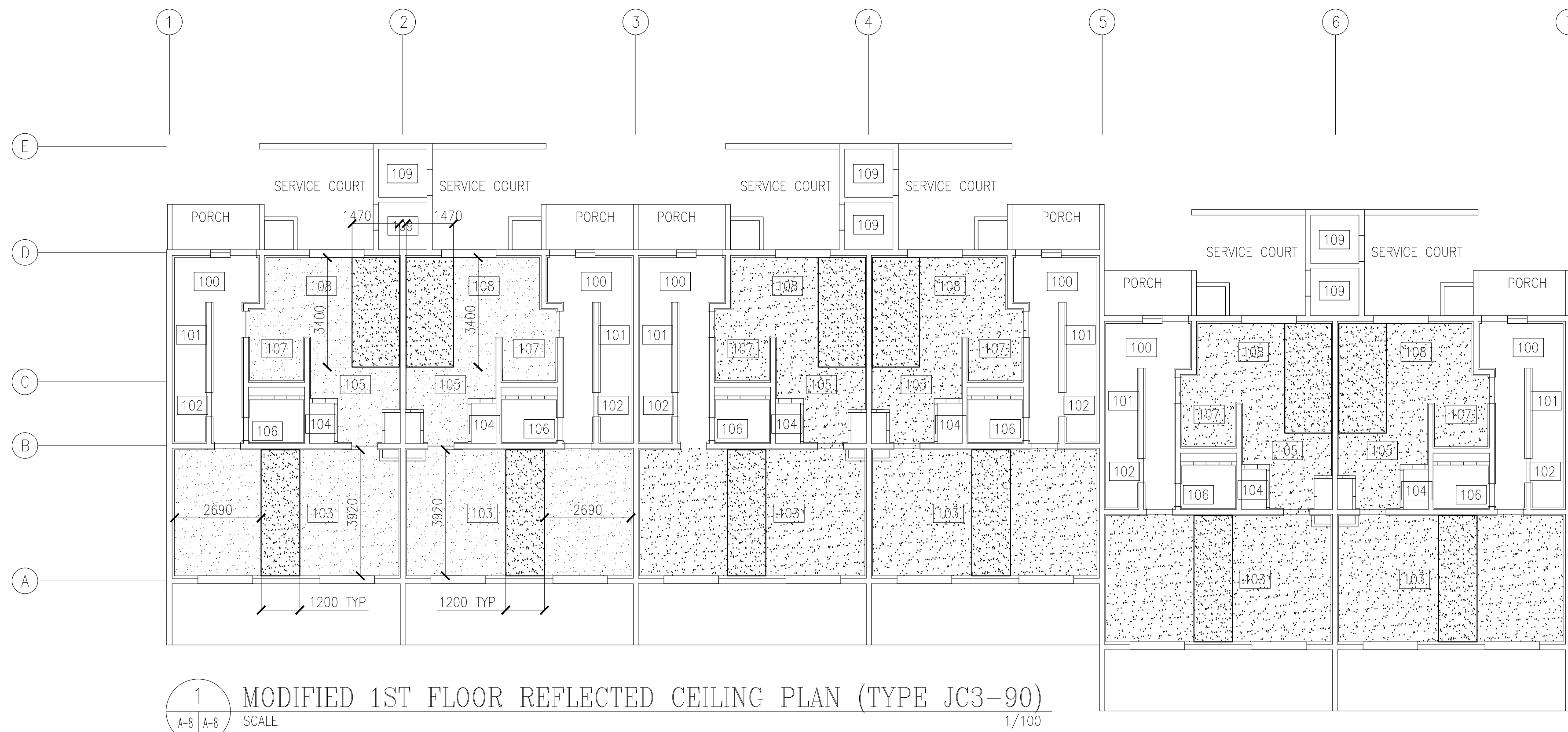
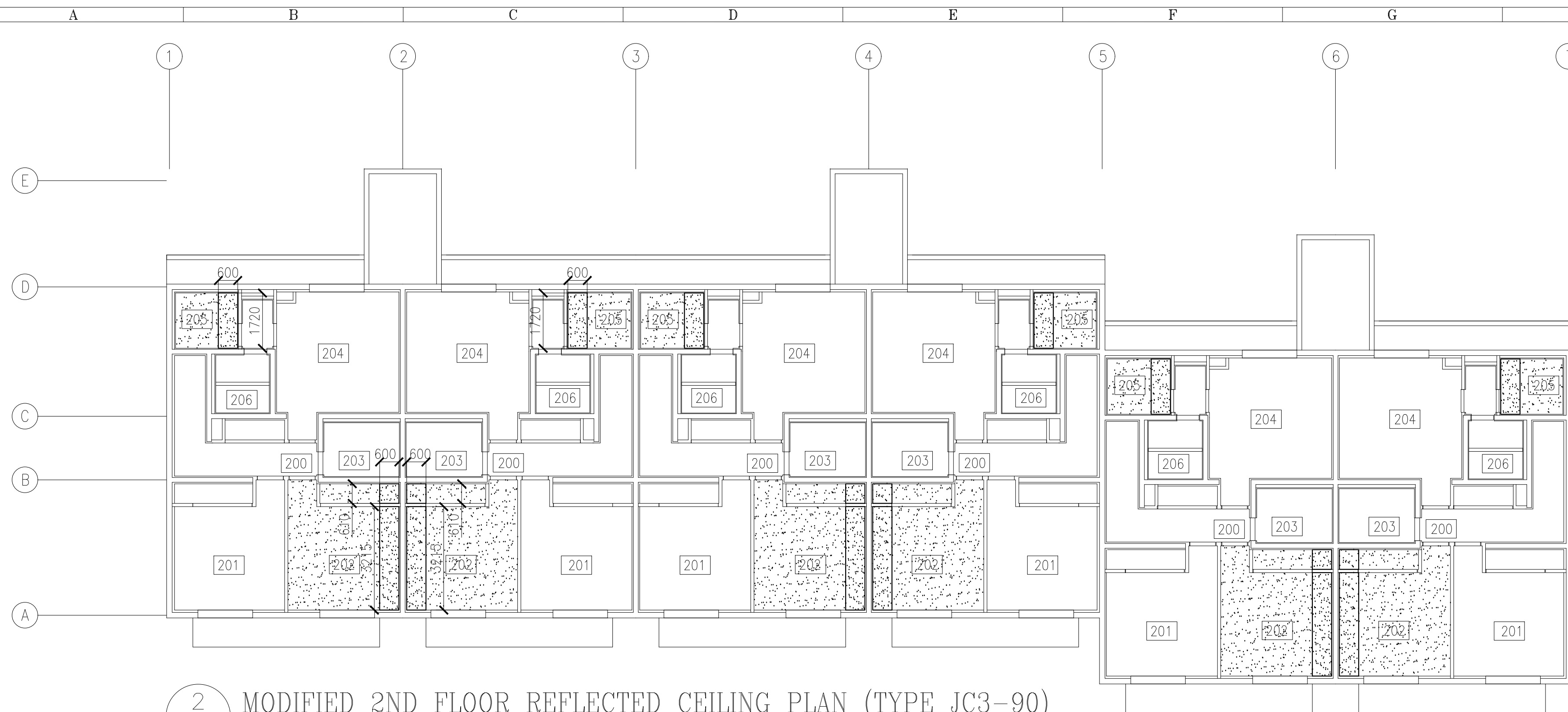
SHEET: 8 OF 62

GRAPHIC SCALE

1/100







## LEGEND



TYPE JC3-90	
ROOM NUMBER	ROOM NAMES
1ST FLOOR	
100	ENTRANCE
101	STAIR
102	INTERIOR STORAGE
103	LIVING & DINING
104	PANTRY
105	KITCHEN
106	TOILET
107	LAUNDRY
108	FAMILY ROOM
109	EXTERIOR STORAGE
2ND FLOOR	
200	HALL
201	BEDROOM 1
202	BEDROOM 2
203	BATHROOM
204	MASTER'S BEDROOM
205	CLOSET
206	SHOWER ROOM

[illegible][illegible]

Submitted by:

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Tel:06-6446-3404 Fax:06-6446-0539

SUBMITTAL

95%

Date:  
14 FEB '17

REPAIR MFH, KINSEI HEIGHTS (97UN)

CAMP KINSEI,	NYUS 16-4540	OKINAWA, JAPAN
MODIFIED 1ST & 2ND FLOOR REFLECTED CEILING PLAN (TYPE JC3-90)		

CONTRACT NUMBER


SHEET REFERENCE NO.

**A-8**

SHEET: 9 OF 62

GRAPHIC SCALE




	A	B	C	D	E	F	G	H	I										
	INTERIOR FINISH SCHEDULE (TYPE JB4-90)																		<div> MIRAIT MIRAIT TECHNOLOGIES</div>
7	ROOM NUMBER	ROOM NAME	FLOOR			BASE			INTERIOR WALL			INTERIOR SIDE OF EXTERIOR WALL			CEILING				REMARKS
			MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR	HEIGHT	
	1ST FLOOR																		
	100	ENTRANCE & HALLWAY	VCT	—	—	VCB	—	—	GWB	PAINT	—	GWB	PAINT	—	GWB	PAINT	—	2400mm	—
	101	STAIR	NEW VCT	—	P—78	NEW VCB	—	HB—86	GWB	PAINT	—	GWB	PAINT	—	GWB	PAINT	—	VARIES	—
	102	STORAGE	VCT	—	—	VCB	—	—	EXP CONC	PAINT	—	EXP CONC	PAINT	—	EXP CONC	PAINT	—	2400mm	—
	103	LIVING & DINING ROOM	VCT	—	—	VCB	—	—	GWB	PAINT	—	GWB	PAINT	—	GWB	PAINT	—	2400mm	MATCH EXISTING CEILING PAINT
	104	KITCHEN	NEW VCT	—	P—78	NEW VCB	—	HB—86	CWT	PAINT	—	CWT	—	—	GWB	PAINT	—	2400mm	MATCH EXISTING CEILING PAINT
	105	TOILET	CT	—	—	—	—	—	CWT	—	—	CWT	—	—	WPGWB	PAINT	—	2400mm	MATCH EXISTING CEILING PAINT
	106	FAMILY ROOM	VCT	—	—	VCB	—	—	GWB	PAINT	—	GWB	PAINT	—	GWB	PAINT	—	2400mm	MATCH EXISTING CEILING PAINT
6	107	LAUNDRY AREA	VCT	—	—	—	—	—	CWT	—	—	CWT	—	—	WPGWB	PAINT	—	2400mm	—
	108	EXTERIOR STORAGE	CST	—	—	—	—	—	EXP CONC	—	—	EXP CONC	—	—	EXP CONC	—	—	2400mm	—
	2ND FLOOR																		
	200	HALLWAY	VCT	—	—	VCB	—	—	GWB	PAINT	—	GWB	PAINT	—	GWB	PAINT	—	2400mm	—
	201	BEDROOM 1	VCT	—	—	VCB	—	—	GWB	PAINT	—	GWB	PAINT	—	GWB	PAINT	—	2400mm	—
	202	MASTER BEDROOM	VCT	—	—	VCB	—	—	GWB	PAINT	—	GWB	PAINT	—	GWB	PAINT	—	2400mm	—
	203	SHOWER ROOM	CT	—	—	—	—	—	CWT	—	—	CWT	—	—	WPGWB	PAINT	—	2400mm	MATCH EXISTING CEILING PAINT
	204	BATHROOM	CT	—	—	—	—	—	CWT	—	—	CWT	—	—	WPGWB	PAINT	—	2400mm	MATCH EXISTING CEILING PAINT
	205	BEDROOM 3	VCT	—	—	VCB	—	—	GWB	PAINT	—	GWB	PAINT	—	GWB	PAINT	—	2400mm	MATCH EXISTING CEILING PAINT
	206	BEDROOM 2	VCT	—	—	VCB	—	—	GWB	PAINT	—	GWB	PAINT	—	GWB	PAINT	—	2400mm	—
5	207	STORAGE	VCT	—	—	VCB	—	—	GWB	PAINT	—	GWB	PAINT	—	GWB	PAINT	—	2400mm	—
INTERIOR FINISH SCHEDULE (TYPE JC3-90)																			
4	ROOM NUMBER	ROOM NAME	FLOOR			BASE			INTERIOR WALL			INTERIOR SIDE OF EXTERIOR WALL			CEILING				REMARKS
			MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR	HEIGHT	
	1ST FLOOR																		
	100	ENTRANCE & HALLWAY	VCT	—	—	VCB	—	—	GWB	PAINT	—	GWB	PAINT	—	GWB	PAINT	—	2400mm	—
	101	STAIR	VCT	—	—	VCB	—	—	GWB	PAINT	—	GWB	PAINT	—	GWB	PAINT	—	VARIES	—
	102	STORAGE	VCT	—	—	VCB	—	—	EXP CONC	PAINT	—	EXP CONC	PAINT	—	EXP CONC	PAINT	—	2400mm	—
	103	LIVING & DINING ROOM	VCT	—	—	VCB	—	—	GWB	PAINT	—	GWB	PAINT	—	GWB	PAINT	—	2400mm	MATCH EXISTING CEILING PAINT
	104	PANTRY	NEW VCT	—	P—78	NEW VCB	—	HB—86	GWB	PAINT	—	GWB	PAINT	—	GWB	PAINT	—	2400mm	—
	105	KITCHEN	NEW VCT	—	P—78	NEW VCB	—	HB—86	CWT	—	P10—100	GWB	PAINT	—	GWB	PAINT	—	2400mm	MATCH EXISTING WALL & CEILING PAINT
	106	TOILET	CT	—	—	—	—	—	CWT	—	—	GWT	—	—	WPGWB	PAINT	—	2400mm	—
3	107	LAUNDRY AREA	NEW VCT	—	P—78	NEW VCB	—	HB—86	CWT	—	—	GWT	—	—	WPGWB	PAINT	—	2400mm	—
	108	FAMILY ROOM	NEW VCT	—	P—78	NEW VCB	—	HB—86	GWB	PAINT	—	GWB	PAINT	—	GWB	PAINT	—	2400mm	—
	109	EXTERIOR STORAGE	CST	—	—	—	—	—	EXP CONC	—	—	EXP CONC	—	—	EXP CONC	—	—	2400mm	—
	2ND FLOOR																		
	200	HALLWAY	VCT	—	—	VCB	—	—	GWB	PAINT	—	GWB	PAINT	—	GWB	PAINT	—	2400mm	—
2	201	BEDROOM 1	VCT	—	—	VCB	—	—	GWB	PAINT	—	GWB	PAINT	—	GWB	PAINT	—	2400mm	—
	202	BEDROOM 2	VCT	—	—	VCB	—	—	GWB	PAINT	—	GWB	PAINT	—	GWB	PAINT	—	2400mm	MATCH EXISTING CEILING PAINT
	203	BATHROOM	CT	—	—	—	—	—	CWT	—	—	CWT	—	—	WPGWB	PAINT	—	2400mm	—
	204	MASTER BEDROOM	VCT	—	—	VCB	—	—	GWB	PAINT	—	GWB	PAINT	—	GWB	PAINT	—	2400mm	—
	205	CLOSET	VCT	—	—	VCB	—	—	GWB	PAINT	—	GWB	PAINT	—	GWB	PAINT	—	—	MATCH EXISTING CEILING PAINT
1	206	SHOWER ROOM	CT	—	—	—	—	—	CWT	—	—	CWT	—	—	WPGWB	PAINT	—	2400mm	—
1																			
NOTE: ALL FINISHES ARE EXISTING EXCEPT THOSE INDICATED AS "NEW".																			

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REPAIR MFH, KINSER HEIGHTS (97UN)  
  
CAMP KINSER,  
  
NYJS 16-4540  
  
OKINAWA, JAPAN  
  
INTERIOR FINISH SCHEDULE (TYPE JB4-90 & JC3-90)

SUBMITTAL  
95%  
Date:  
14 FEB '17

CONTRACT NUMBER  
SHEET REFERENCE NO.  
A-9  
SHEET: 10 OF 62



MIRAIT TECHNOLOGIES

Mark

Revision

Date

Mark

Revision

Date

Submitted by:

MIRAIT TECHNOLOGIES CORPORATION

3-3-15,Edabori,Nishi-ku,Osaka-shi,550-0002 Japan

Tel:06-6446-3404 Fax:06-6446-0539

SUBMITTAL

95%

Date:

14 FEB '17

CAMP KINSER,

REPAIR MFH, KINSER HEIGHTS (97UN)

OKINAWA, JAPAN

NYJS-16-4540

INTERIOR FINISH SCHEDULE (TYPE JB4-90 & JC3-90)

CONTRACT NUMBER

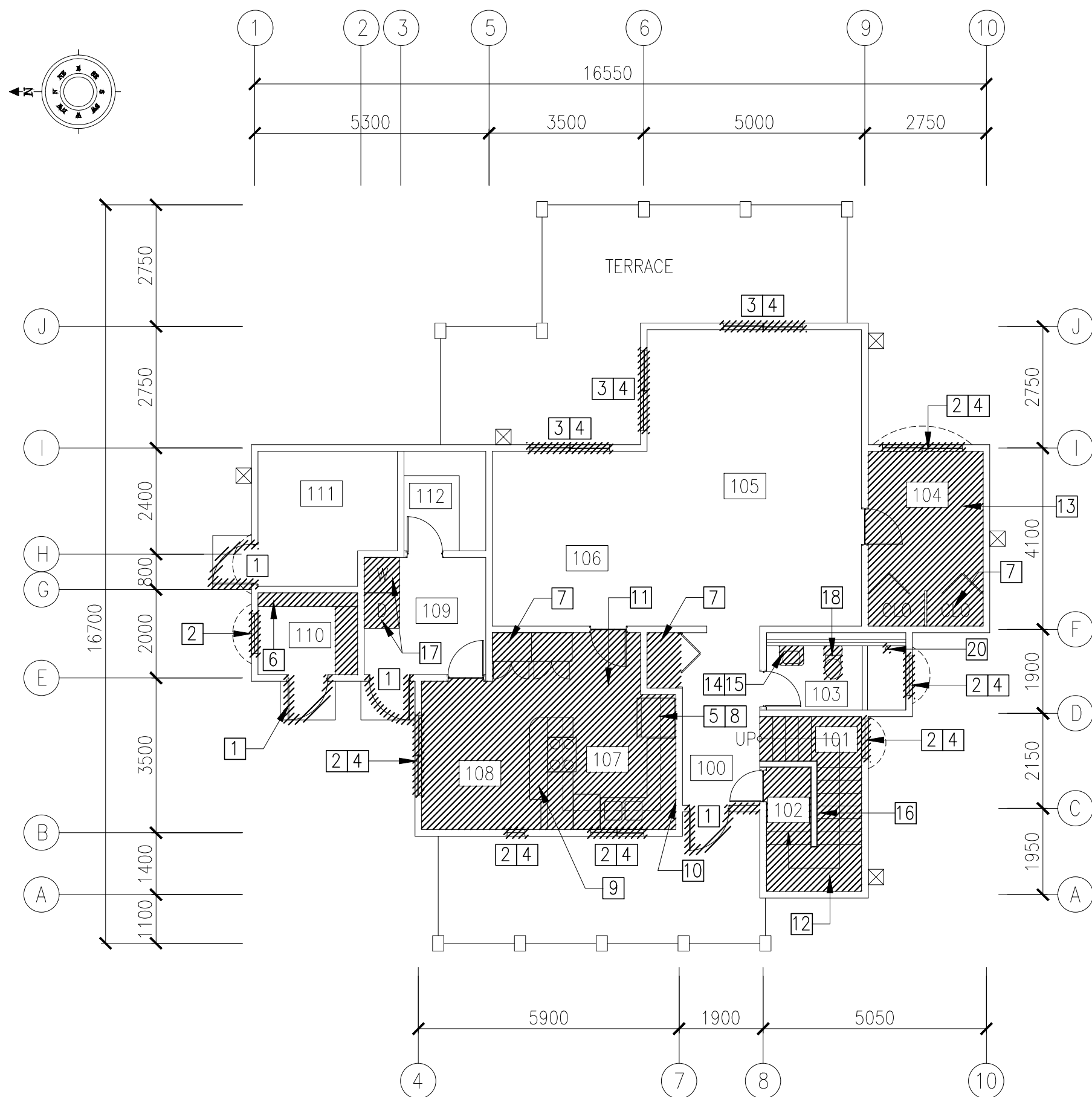
SHEET REFERENCE NO.

A-9

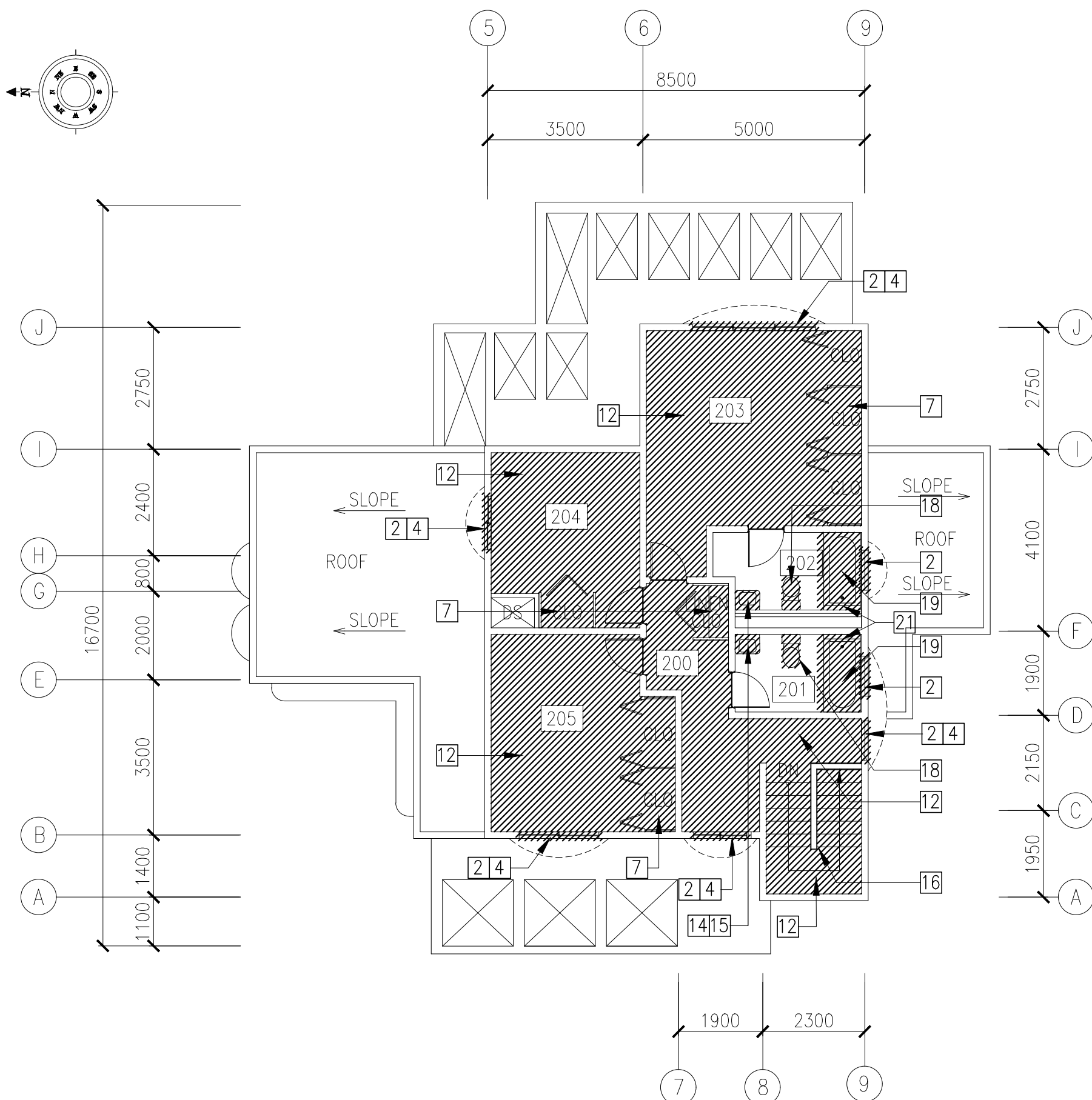
SHEET: 10 OF 62



7  
6  
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3  
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1  
1



1 REMOVAL 1ST FLOOR PLAN (TYPE SQK4-95)  
SCALE 1/100



2 REMOVAL 2ND FLOOR PLAN (TYPE SQK4-95)  
SCALE 1/100

SCOPE OF WORKS: (BLDG. 1452)

REMOVAL WORKS:

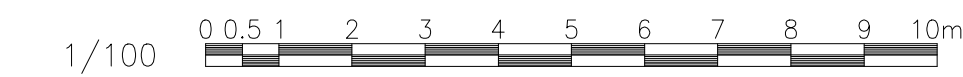
- 1 REMOVE EXISTING EXTERIOR DOOR FRAMES AND HARDWARE.
- 2 REMOVE EXISTING EXTERIOR WINDOWS, FRAMES AND INSECT SCREENS.
- 3 REMOVE EXISTING EXTERIOR SLIDING DOORS, FRAMES, HARDWARE AND INSECT SCREENS.
- 4 REMOVE EXISTING WINDOW AND DOOR BLINDS.
- 5 REMOVE EXISTING KITCHEN EQUIPMENT.
- 6 REMOVE EXISTING METAL SHELVEING.
- 7 REMOVE EXISTING WOOD SHELVEING AND HANGER ROD.
- 8 REMOVE EXISTING BASE AND WALL CABINETS.
- 9 REMOVE EXISTING BREAKFAST NOOK.
- 10 REMOVE EXISTING CERAMIC WALL TILES.
- 11 REMOVE EXISTING SHEET VINYL FLOORING AND WALL BASE.
- 12 REMOVE EXISTING CARPET AND WALL BASE.
- 13 REMOVE EXISTING VINYL FLOOR TILES AND WOOD WALL BASE.
- 14 REMOVE EXISTING VANITY OR LAVATORY.
- 15 REMOVE EXISTING MEDICINE CABINET WITH LIGHTING FIXTURE.
- 16 REMOVE EXISTING METAL HANDRAIL AT STAIR.
- 17 REMOVE EXISTING LAUNDRY EQUIPMENT.
- 18 REMOVE EXISTING WATER CLOSET.
- 19 REMOVE EXISTING BATHTUB (BY MECHANICAL) AND PARTIAL FLOOR TILES.
- 20 REMOVE EXISTING SHOWER VALVE BY MECHANICAL.
- 21 REMOVE EXISTING PARTIAL WALL TILES DUE TO SHOWER PIPE FITTINGS REPLACEMENT.


NOTE:

1. SEE SHEET A-12 (1 & 2) FOR REMOVAL REFLECTED CEILING PLAN OF SQK4-95.

TYPE SQK4-95			
ROOM NUMBER	ROOM NAMES	ROOM NUMBER	ROOM NAMES
1ST FLOOR		2ND FLOOR	
100	ENTRANCE & HALLWAY	200	CORRIDOR
101	STAIR	201	BATHROOM 2
102	INTERIOR STORAGE	202	BATHROOM 1
103	TOILET	203	BEDROOM 1
104	BEDROOM 4	204	BEDROOM 3
105	LIVING ROOM	205	BEDROOM 2
106	DINING ROOM		
107	KITCHEN		
108	FAMILY ROOM		
109	LAUNDRY		
110	EXTERIOR STORAGE		
111	MECH ROOM		
112	STORAGE		

GRAPHIC SCALE





MIRAIT TECHNOLOGIES

Submitted by:

MIRAIT TECHNOLOGIES CORPORATION  
3-3-15, Edobori, Nishi-ku, Osaka-shi, 550-0002 Japan  
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SUBMITTAL

95%

Date: 14 FEB '17

REPAIR MFH, KINSER HEIGHTS (97UN)

CAMP KINSER, OKINAWA, JAPAN

NYJS 16-4540

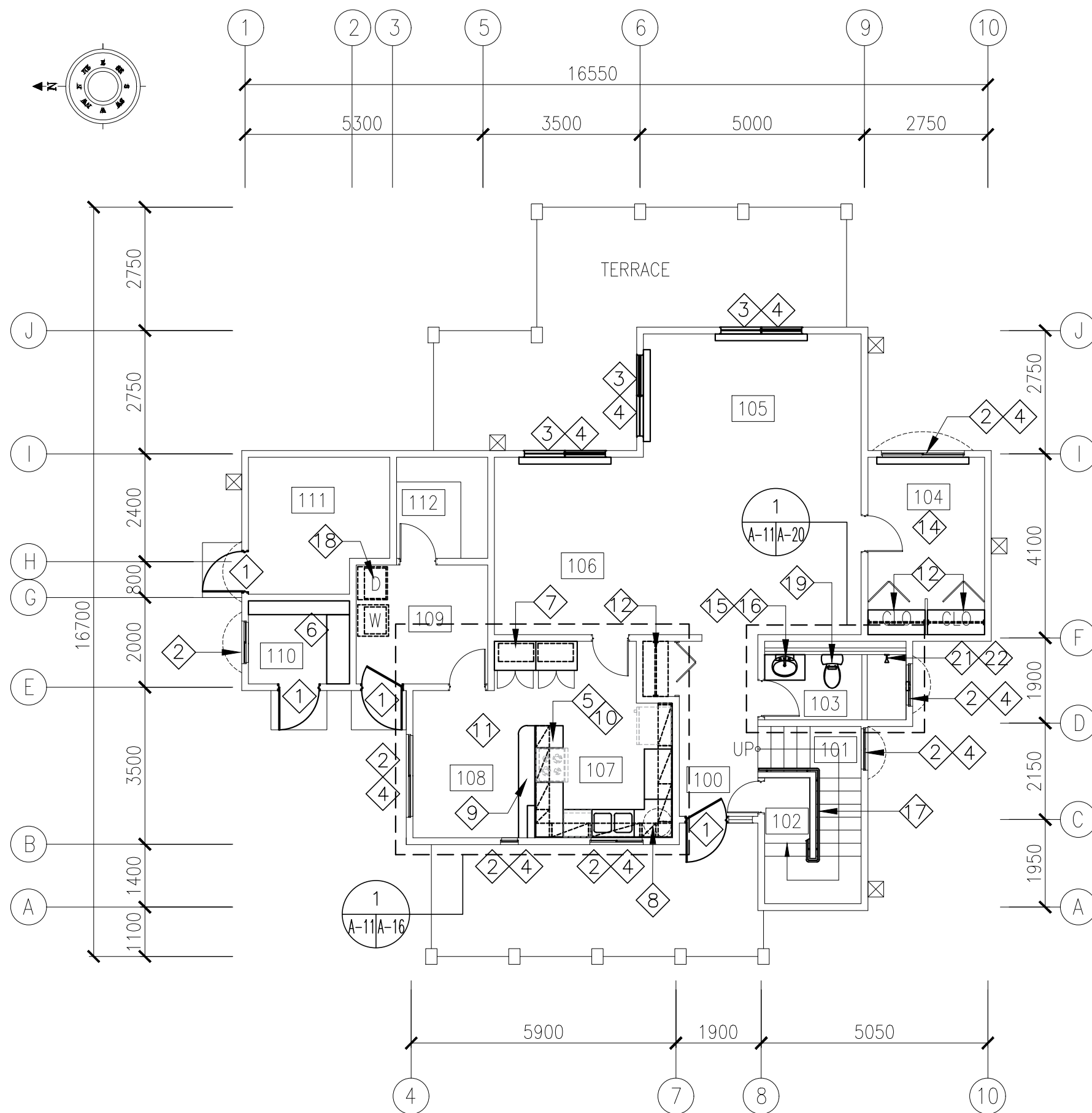
REMOVAL 1ST & 2ND FLOOR PLAN (TYPE SQK4-95)

CONTRACT NUMBER

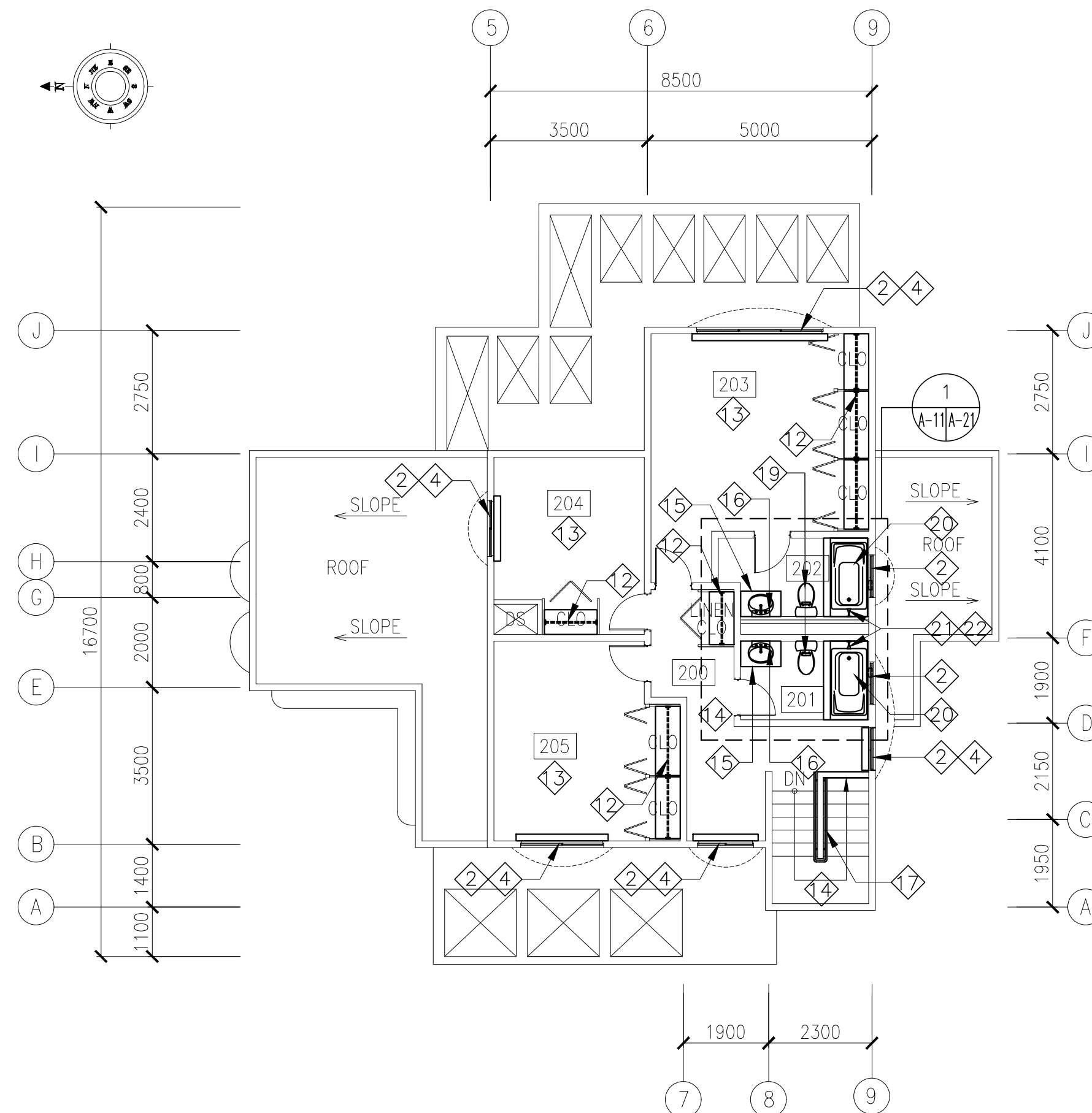
SHEET REFERENCE NO.

A-10

SHEET: 11 OF 62



1 MODIFIED 1ST FLOOR PLAN (TYPE SQK4-95)  
A-11 A-11 SCALE 1/100



2 MODIFIED 2ND FLOOR PLAN (TYPE SQK4-95)  
A-11 A-11 SCALE 1/100

TYPE SQK4-95			
ROOM NUMBER	ROOM NAMES	ROOM NUMBER	ROOM NAMES
1ST FLOOR		2ND FLOOR	
100	ENTRANCE & HALLWAY	200	CORRIDOR
101	STAIR	201	BATHROOM 2
102	INTERIOR STORAGE	202	BATHROOM 1
103	TOILET	203	BEDROOM 1
104	BEDROOM 4	204	BEDROOM 3
105	LIVING ROOM	205	BEDROOM 2
106	DINING ROOM		
107	KITCHEN		
108	FAMILY ROOM		
109	LAUNDRY		
110	EXTERIOR STORAGE		
111	MECHANICAL		
112	STORAGE		

## SCOPE OF WORKS: (BLDG. 1452)

### NEW WORKS


- 1 PROVIDE NEW EXTERIOR ALUMINUM DOORS INCLUDING FRAMES, SIDELIGHT, THRESHOLD AND HARDWARE. PROVIDE INSECT SCREEN DOOR AS PER DOOR & WINDOW SCHEDULE.
- 2 PROVIDE NEW EXTERIOR ANODIZED ALUMINUM WINDOWS AND INSECT SCREENS. ALL WINDOWS INSECT SCREEN SHALL INCLUDE INSECT SCREEN MESH, FRAMES AND HARDWARE. GLAZING SHALL HAVE AN APPLIED SOLAR, HEAT-SHIELDING FILM REDUCING SOLAR HEAT GAIN INTO THE BUILDING.
- 3 PROVIDE NEW EXTERIOR ALUMINUM SLIDING DOORS AND INSECT SCREENS.
- 4 PROVIDE NEW VERTICAL AND HORIZONTAL BLINDS TO ALL WINDOWS EXCEPT ROOM 110 AND BATHROOMS.
- 5 REINSTALL KITCHEN EQUIPMENT.
- 6 PROVIDE NEW METAL SHELVING AT EXTERIOR STORAGE.
- 7 PROVIDE NEW WOOD SHELVING.
- 8 PROVIDE NEW PLASTIC LAMINATED CABINETS AND COUNTERTOP. PROVIDE LAZY SUSAN BASE AND WALL CABINETS.
- 9 PROVIDE NEW BREAKFAST NOOK AT KITCHEN.
- 10 PROVIDE NEW CERAMIC WALL TILES AT KITCHEN.
- 11 PROVIDE NEW SHEET VINYL FLOORING AND WALL BASE.
- 12 PROVIDE NEW WOOD SHELVING AND HANGER ROD.
- 13 PROVIDE NEW CARPET AND WOOD WALL BASE.
- 14 PROVIDE NEW 300x300x2 VINYL FLOOR TILES AND WALL BASE.
- 15 PROVIDE NEW PLASTIC LAMINATED VANITY CABINET AND NON-POROUS SYNTHETIC COUNTERTOP WITH INTEGRAL LAVATORY.
- 16 PROVIDE NEW MEDICINE CABINET WITH LIGHTING FIXTURES.
- 17 PROVIDE NEW METAL HANDRAIL AT STAIR.
- 18 PROVIDE NEW LAUNDRY EQUIPMENT.
- 19 PROVIDE NEW WATER CLOSET BY MECH.
- 20 PROVIDE NEW BATHTUB (BY MECHANICAL) AND PARTIAL FLOOR TILES.
- 21 PROVIDE NEW SHOWER VALVE, BY MECHANICAL.
- 22 PROVIDE NEW WALL TILES AFFECTED BY PIPE REPLACEMENT.
- 23 REPAINT EXTERIOR SURFACES OF THE BUILDING INCLUDING TRASH ENCLOSURE.
- 24 REPAINT EXISTING INTERIOR PAINTED SURFACES AFFECTED BY THE REMOVAL AND INSTALLATION WORKS.

### NOTES:

1. SEE SHEET A-13 FOR INTERIOR & EXTERIOR FINISH SCHEDULE.

### GRAPHIC SCALE





MIRAIT TECHNOLOGIES

Date	Mark
Revision	Mark
Revision	Mark
Revision	Mark

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MIRAIT TECHNOLOGIES CORPORATION

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SUBMITTAL

**95%**

Date:

14 FEB '17

REPAIR MFH, KINSEI HEIGHTS (97UN)

OKINAWA, JAPAN

CAMP KINSEI,

NYJS 16-4540

MODIFIED 1ST & 2ND FLOOR PLAN (TYPE SQK4-95)

CONTRACT NUMBER

SHEET REFERENCE NO.

**A-11**

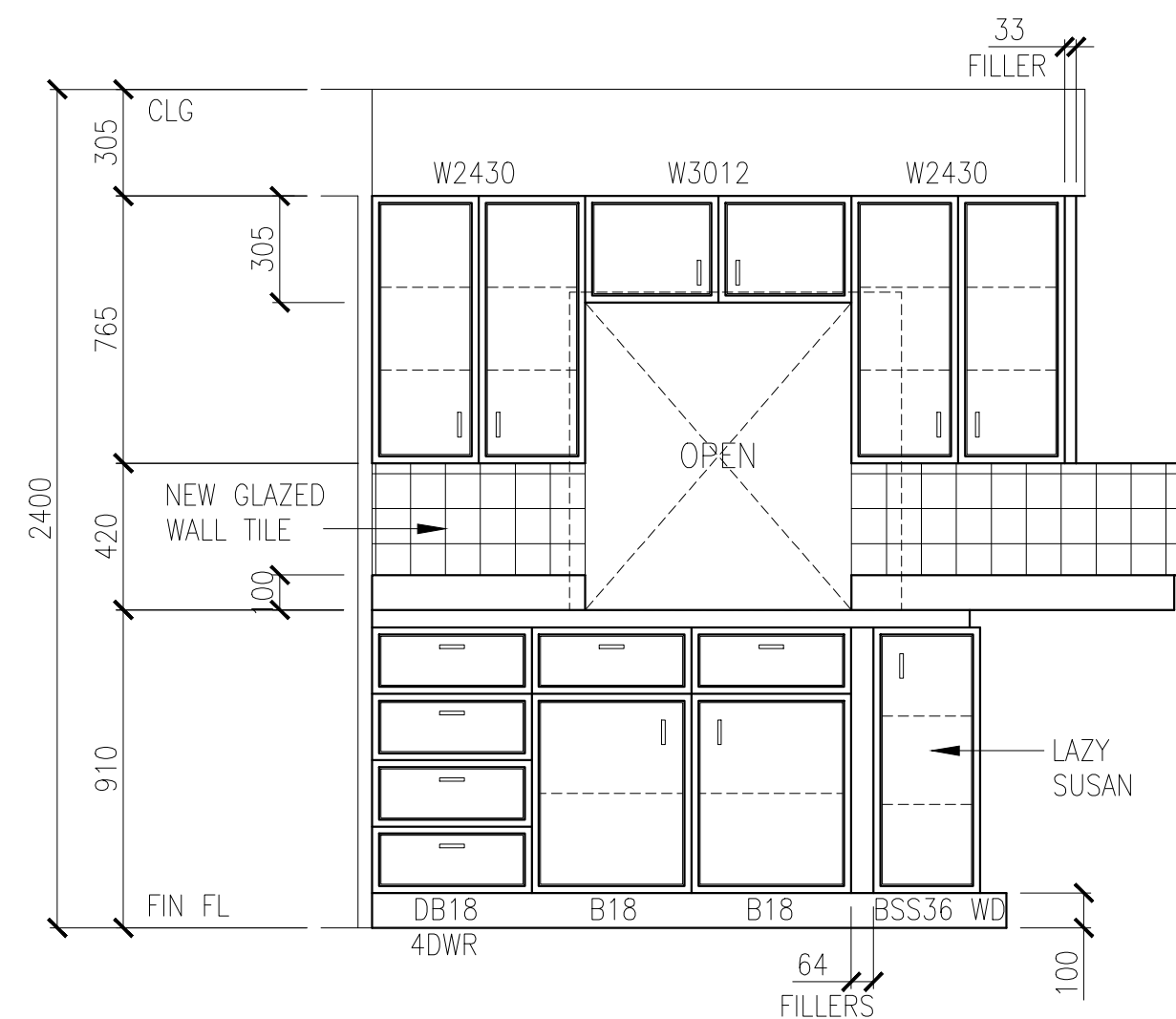
SHEET: 12 OF 62



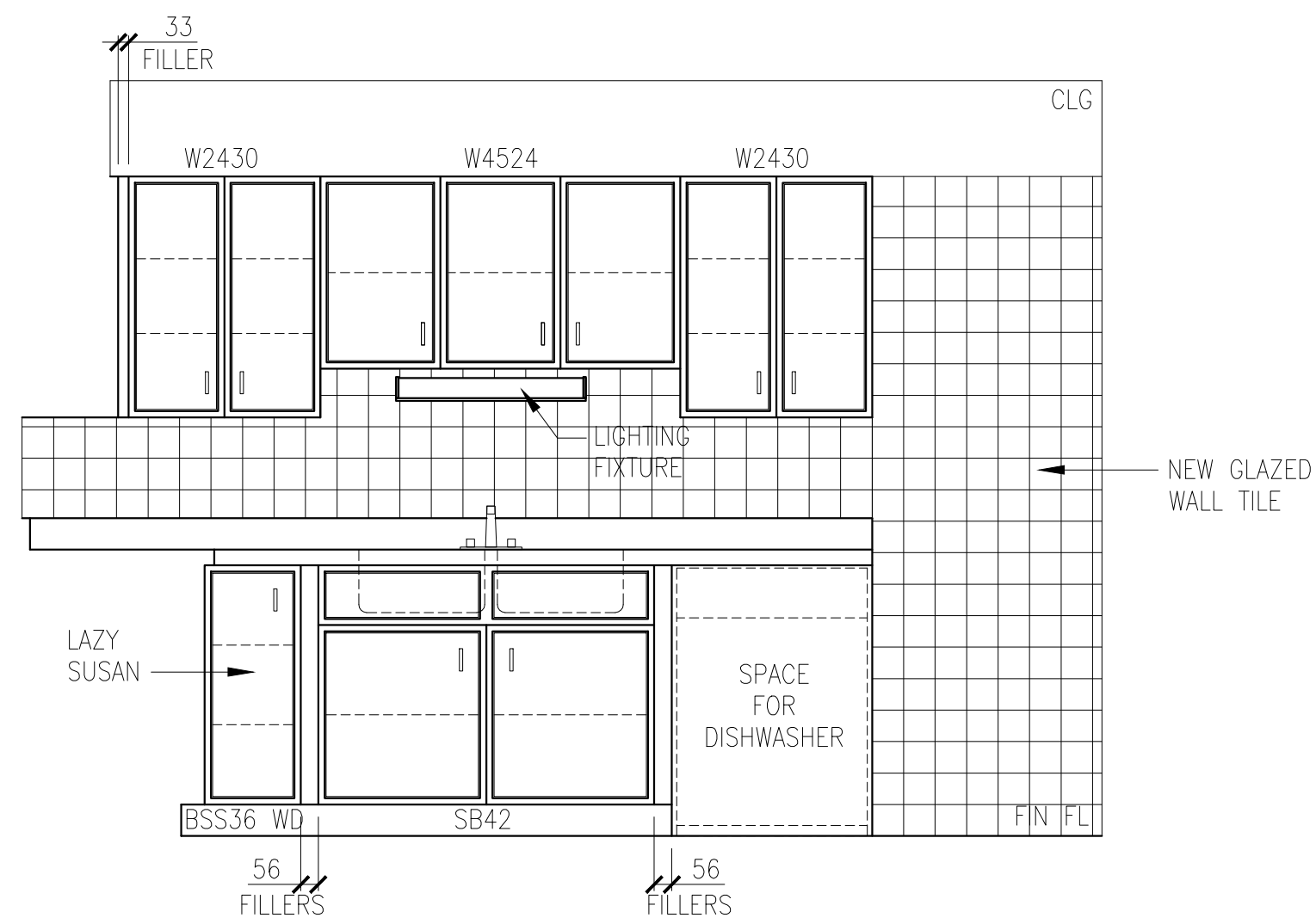




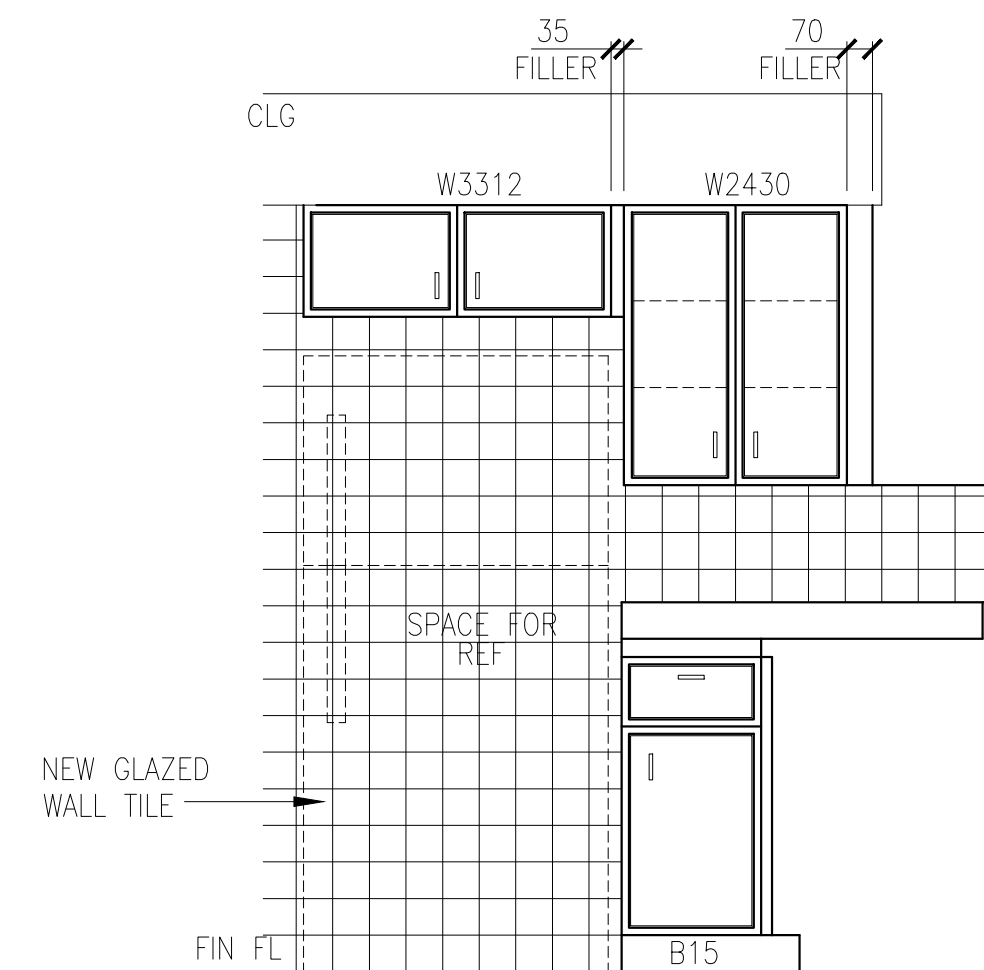






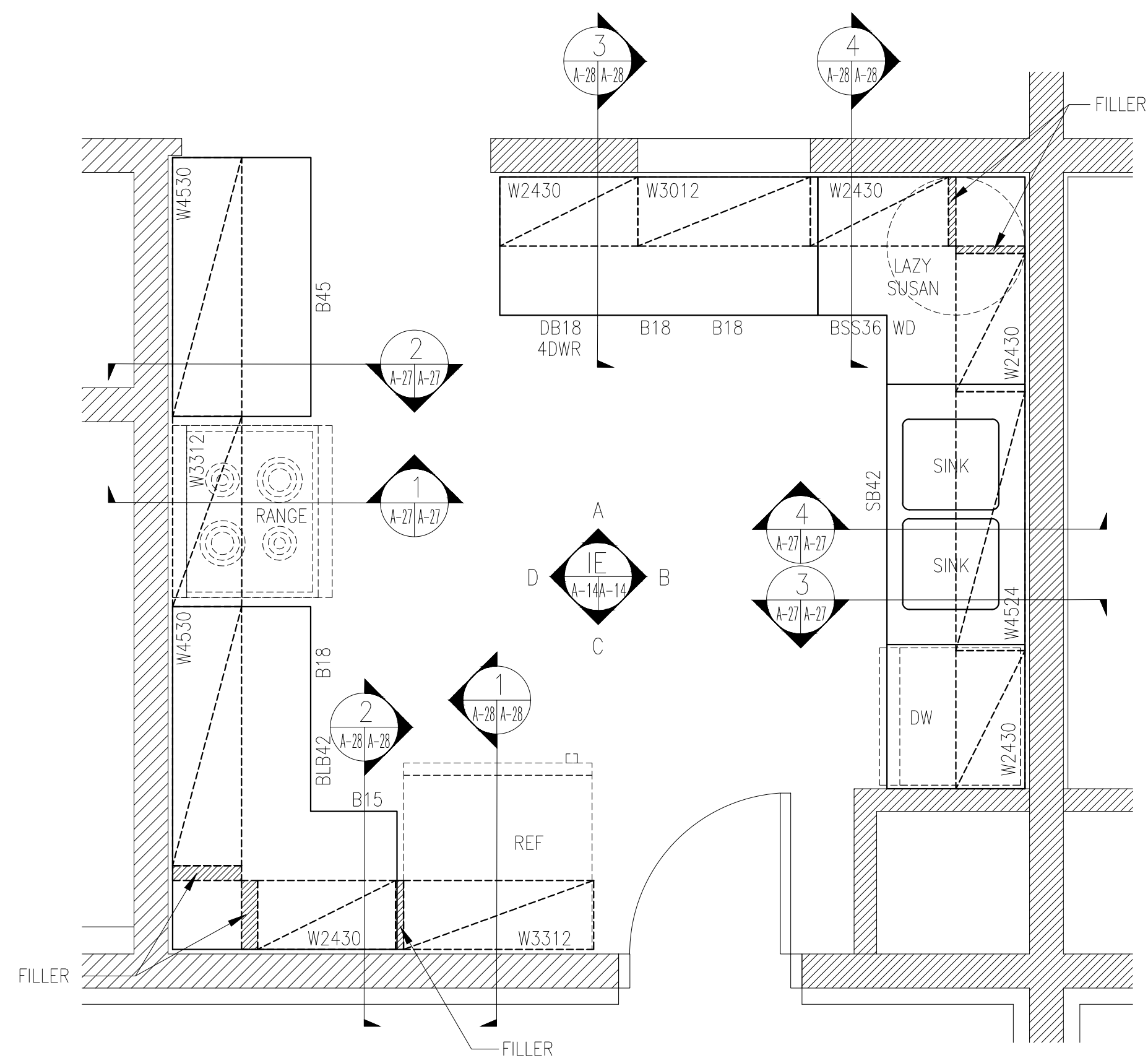



 INTERIOR ELEVATION  
 SCALE 1/20



INTERIOR ELEVATION

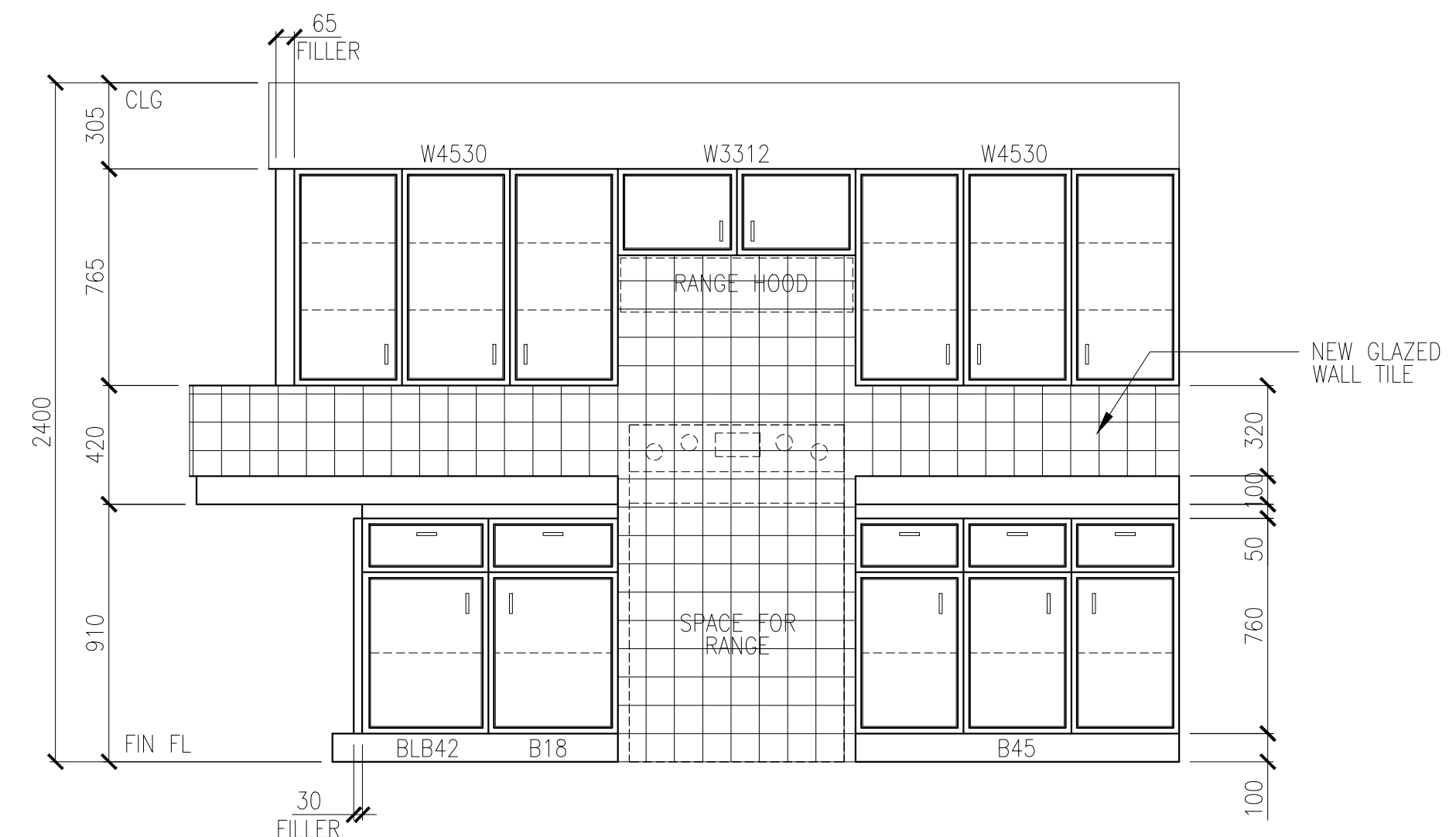
SCALE 1/20





MODIFIED KITCHEN PLAN (TYPE JB4-90)

SCALE 1/20

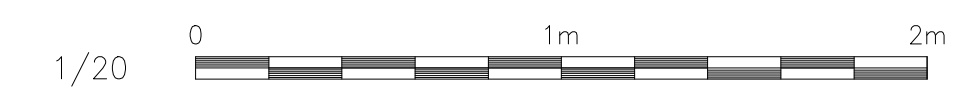



 INTERIOR ELEVATION  
 SCALE 1/20

NOTE:

SEE SHEET A-27 & A-28 FOR WALL AND BASE  
KITCHEN CABINET DETAILS OF TYPE JB4-90.

GRAPHIC SCALE

[illegible][illegible]

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Date: 14 FEB '17

REPAIR MFH, KINSER HEIGHTS (97UN)

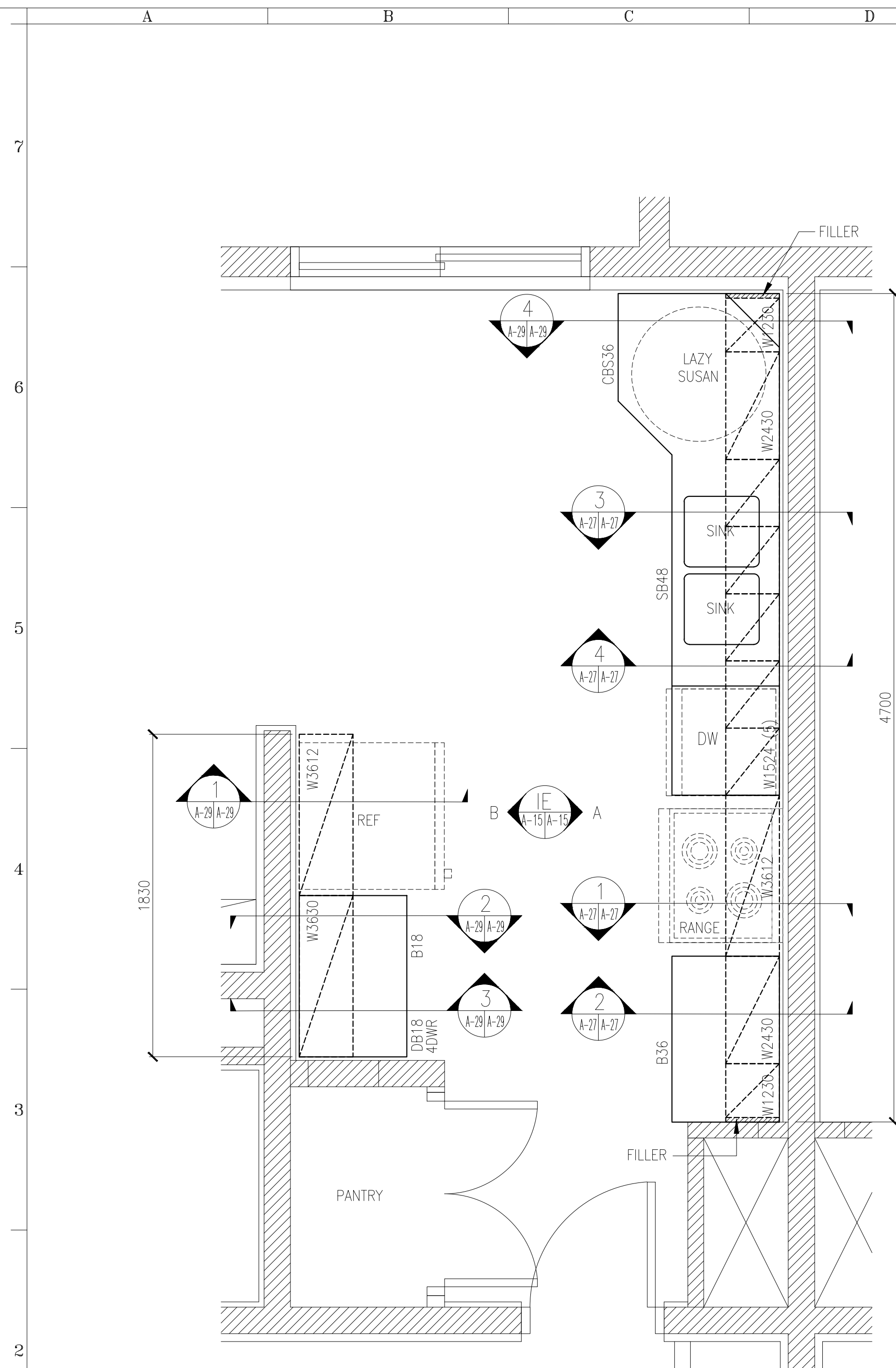
CAMP KINSER,	NYUS 16-4540	OKINAWA, JAPAN
MODIFIED KITCHEN PLAN AND INTERIOR ELEVATIONS (TYPE JB4-90)		

CONTRACT NUMBER

SHEET REFERENCE NO.

**A-14**

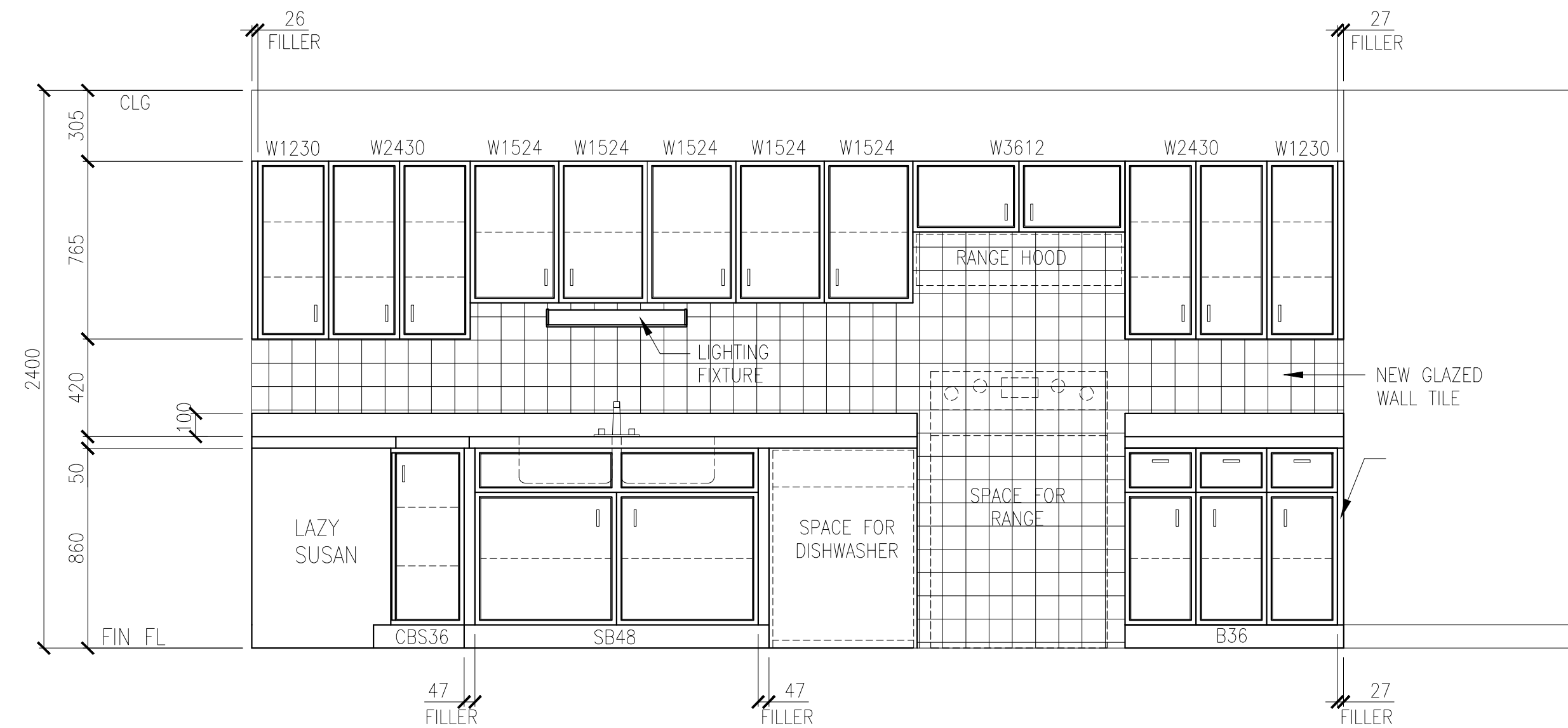
SHEET: 15 OF 62



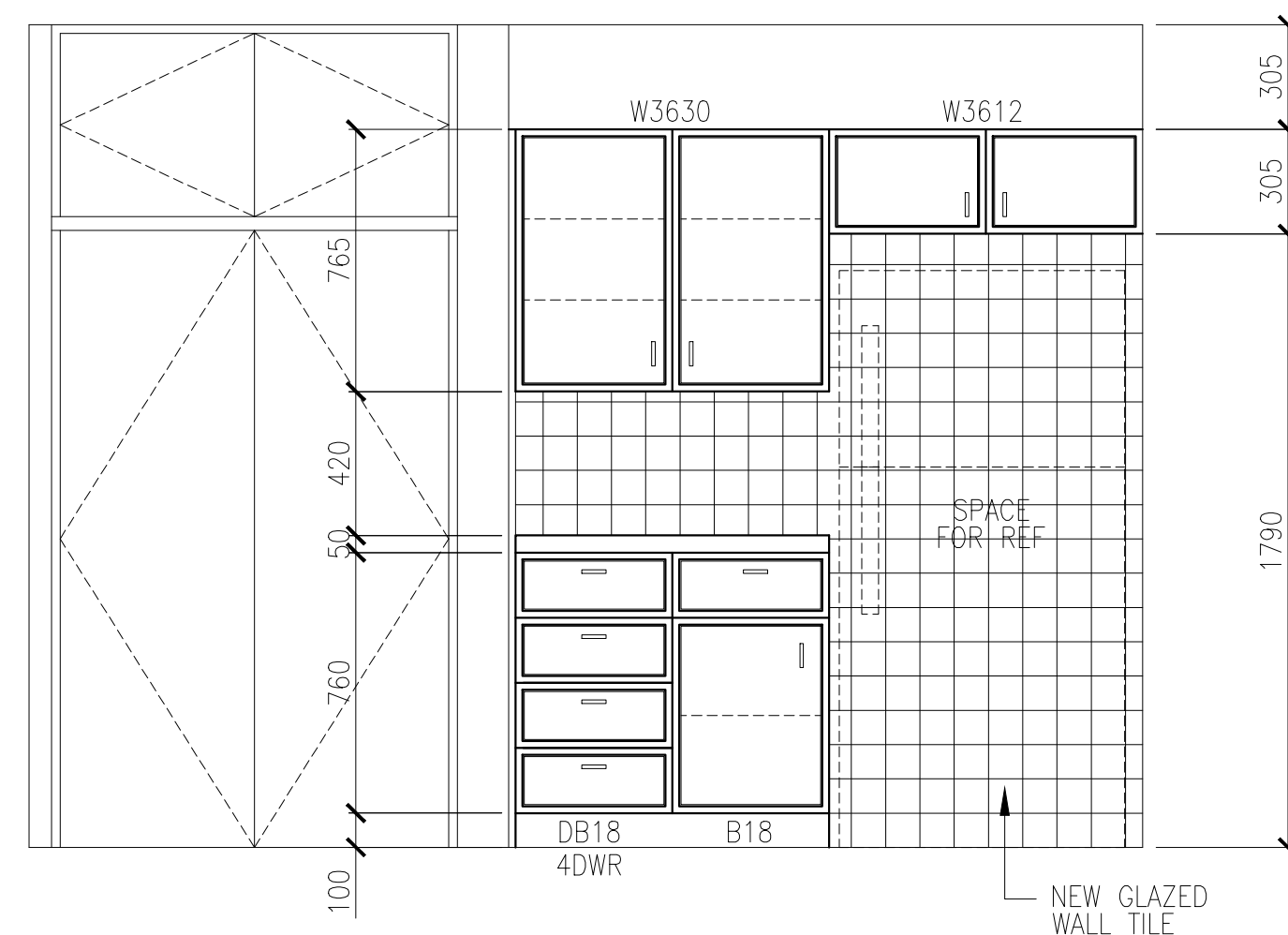


# MODIFIED KITCHEN PLAN (TYPE JC3-90)

SCALE 1/20




 INTERIOR ELEVATION  
 SCALE 1/20

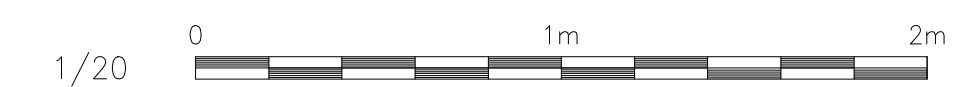



 INTERIOR ELEVATION  
 SCALE \_\_\_\_\_ 1/20

NOTE:

SEE SHEET A-27 & A-29 FOR WALL AND BASE  
KITCHEN CABINET DETAILS OF TYPE JC3-90.

GRAPHIC SCALE

[illegible][illegible]

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SUBMITTAL

95%

Date: 14 FEB '17

CAMP KINSEK, NYJS 16-4540 OKINAWA, JAPAN  
MODIFIED KITCHEN PLAN AND INTERIOR ELEVATIONS (TYPE JC3-90)  
REPAIR MFH, KINSEK HEIGHTS (97UN)

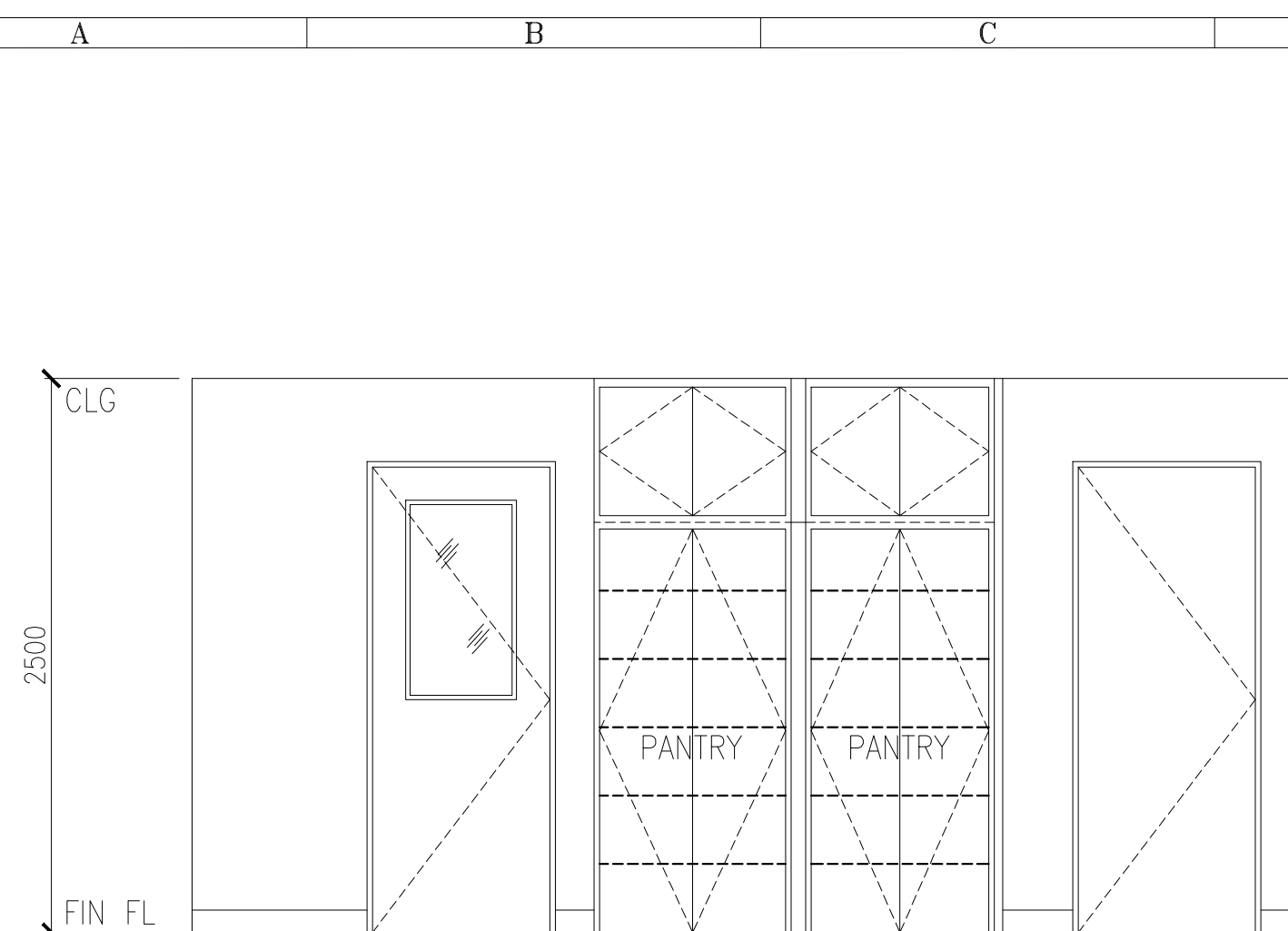
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SHEET REFERENCE NO.

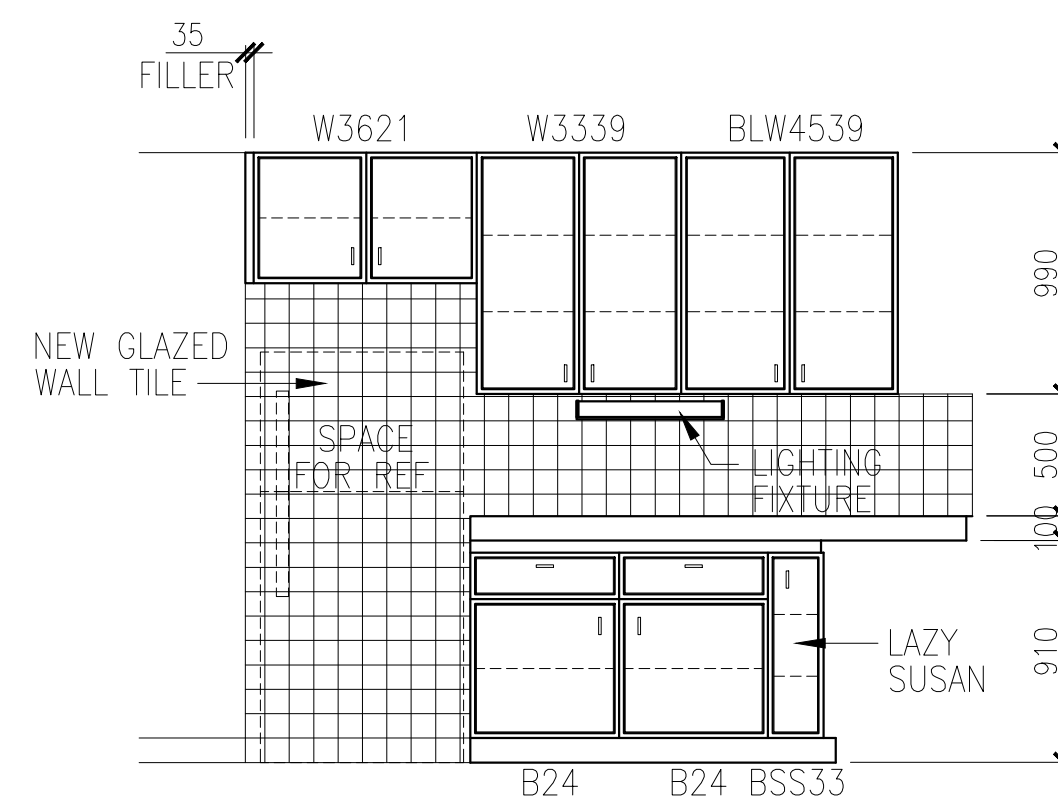
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SHEET: 16 OF 62

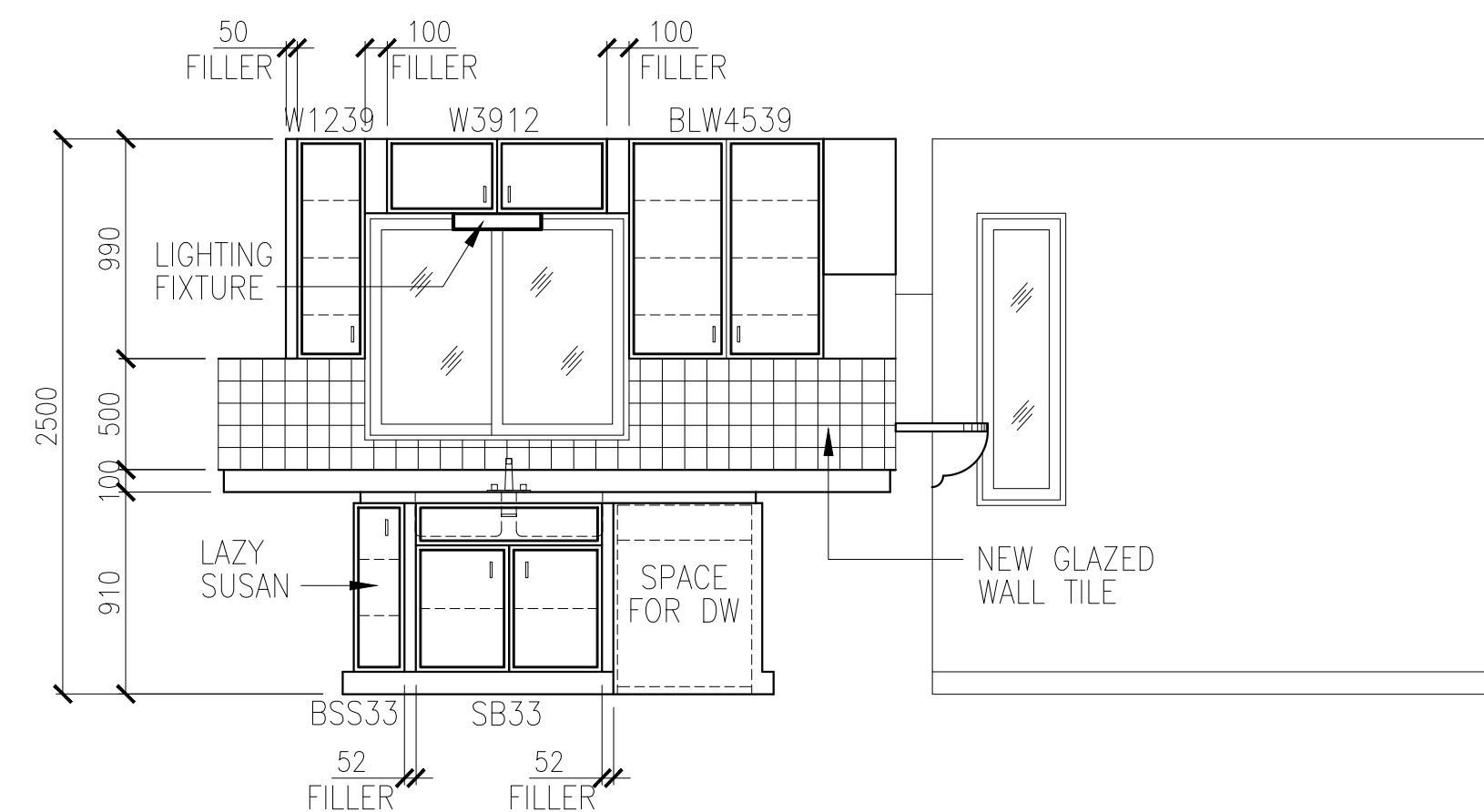




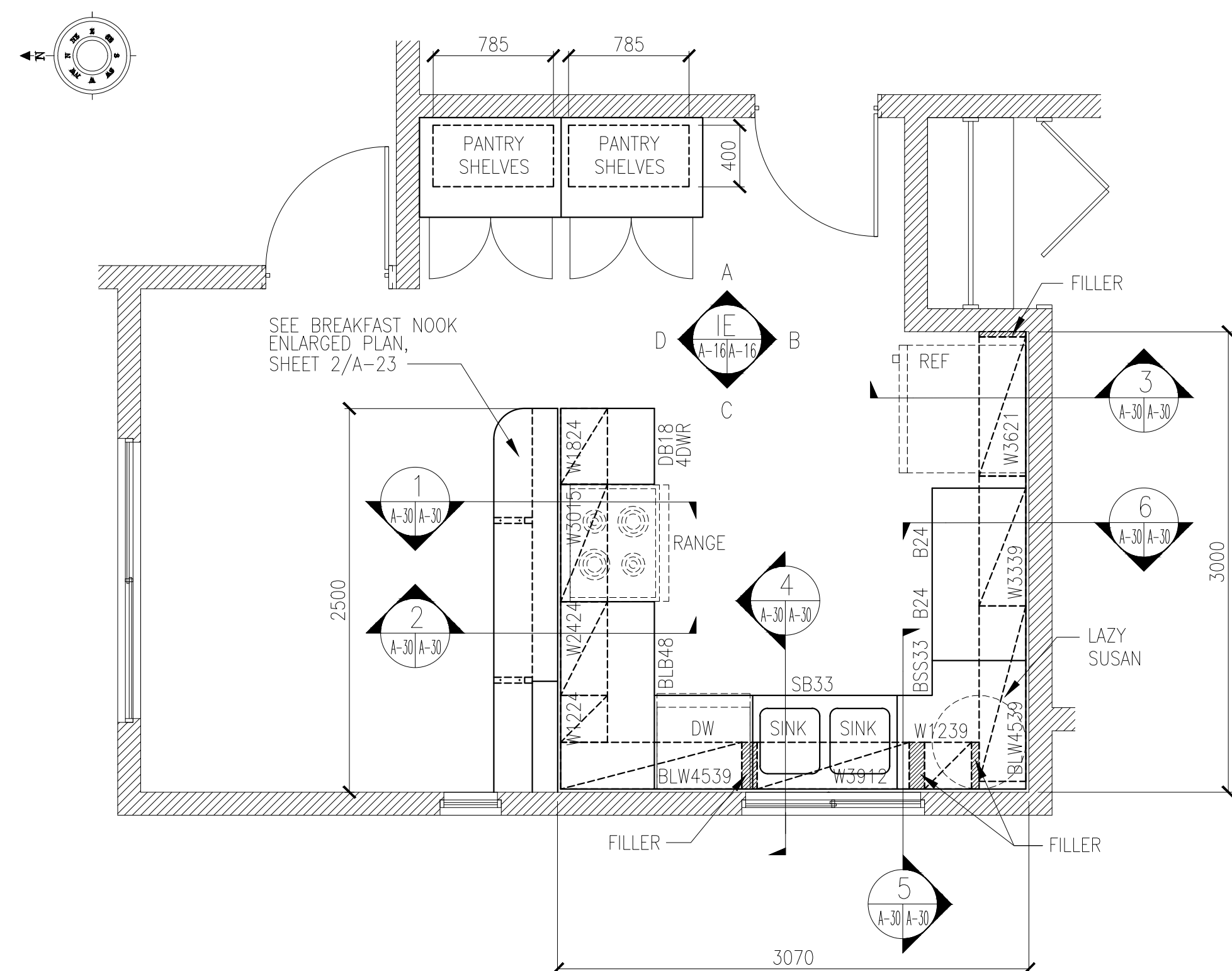

 INTERIOR ELEVATION  
 SCALE 1/30




 INTERIOR ELEVATION  
 SCALE 1/30

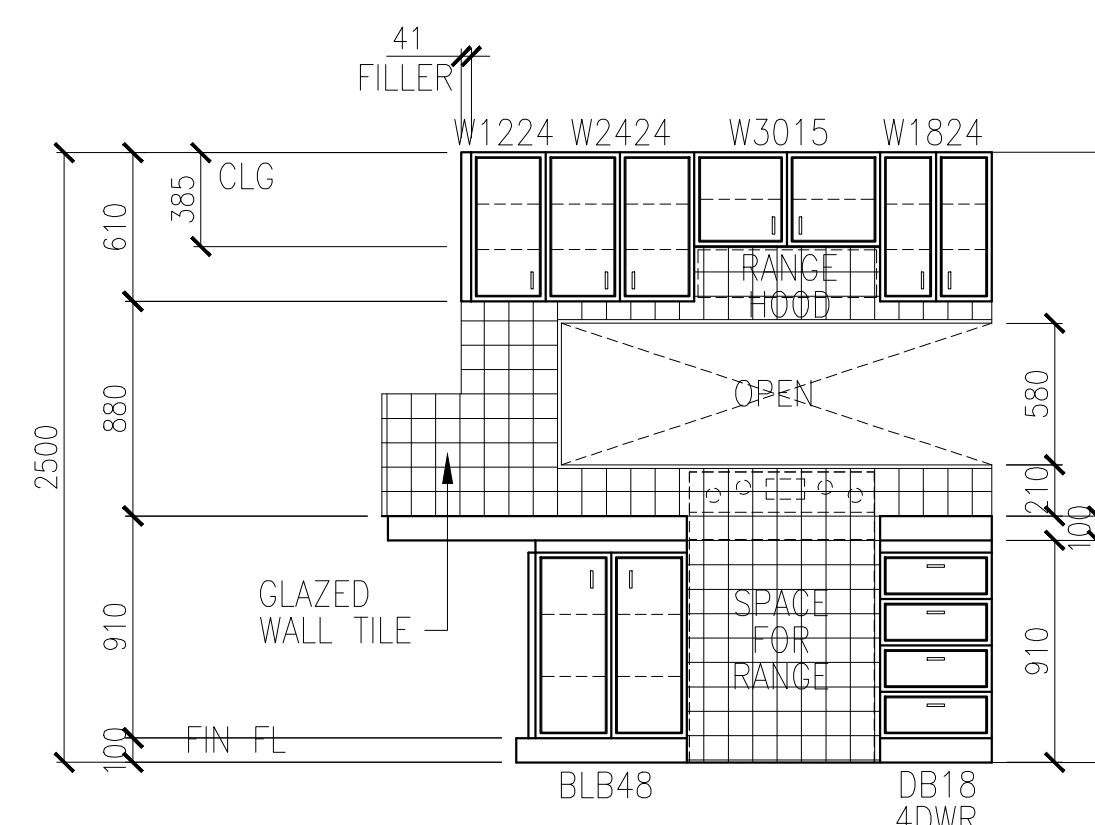


C  
A-16 A-16  
INTERIOR ELEVATION  
SCALE 1/30



1  
A-16 A-16

MODIFIED KITCHEN PLAN (TYPE SQK4-95)  
SCALE 1/30

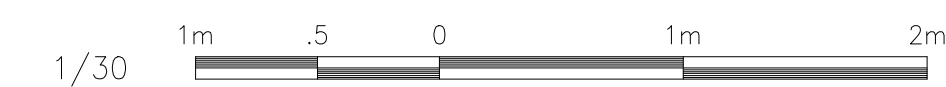


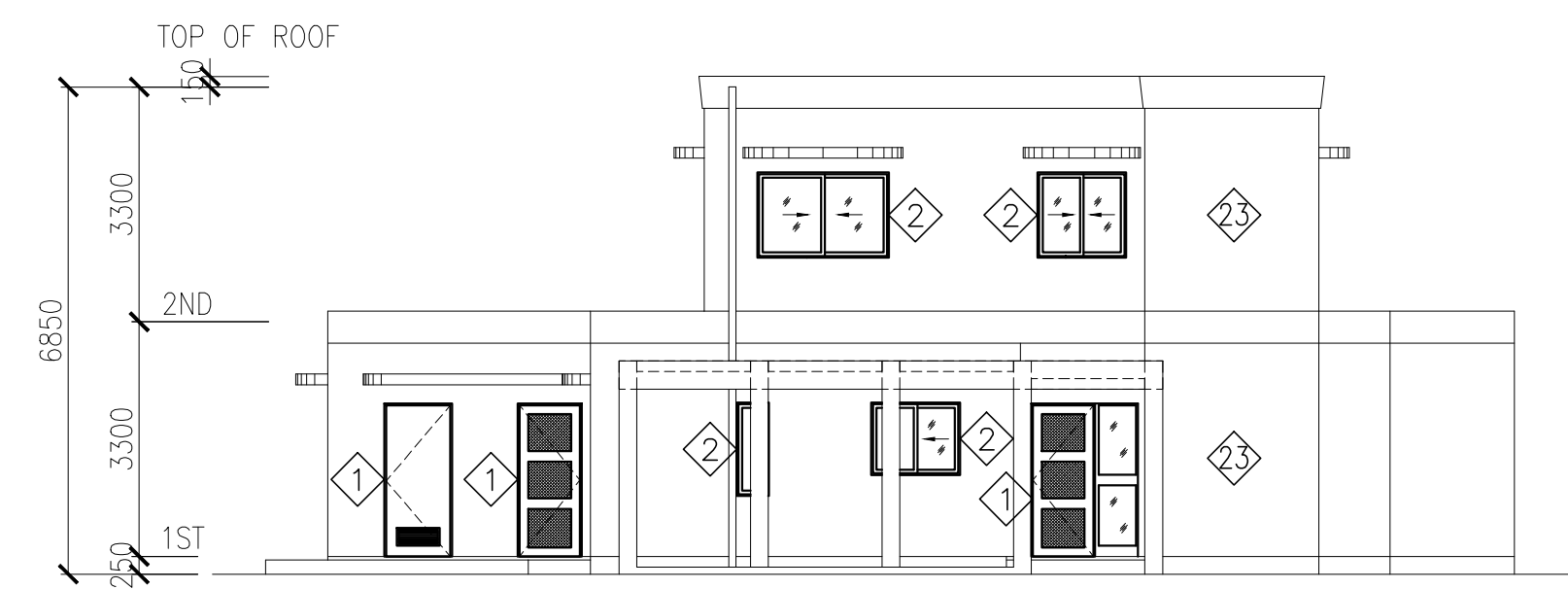

 INTERIOR ELEVATION  
 SCALE 1/30

NOTE:

SEE SHEET A-30 FOR WALL AND BASE KITCHEN  
CABINET DETAILS OF TYPE SQK4-95.

GRAPHIC SCALE

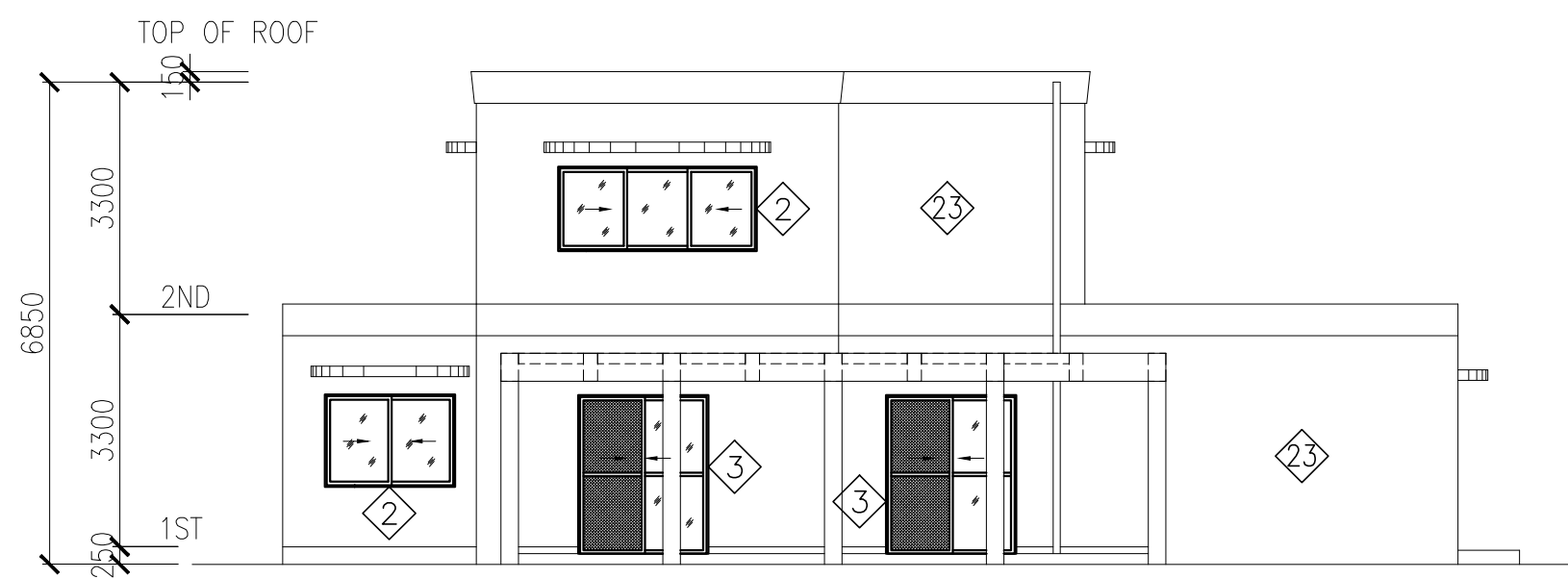




1 BUILDING ELEVATION (SQK4-95)  
 A-17 A-17 SCALE 1/100



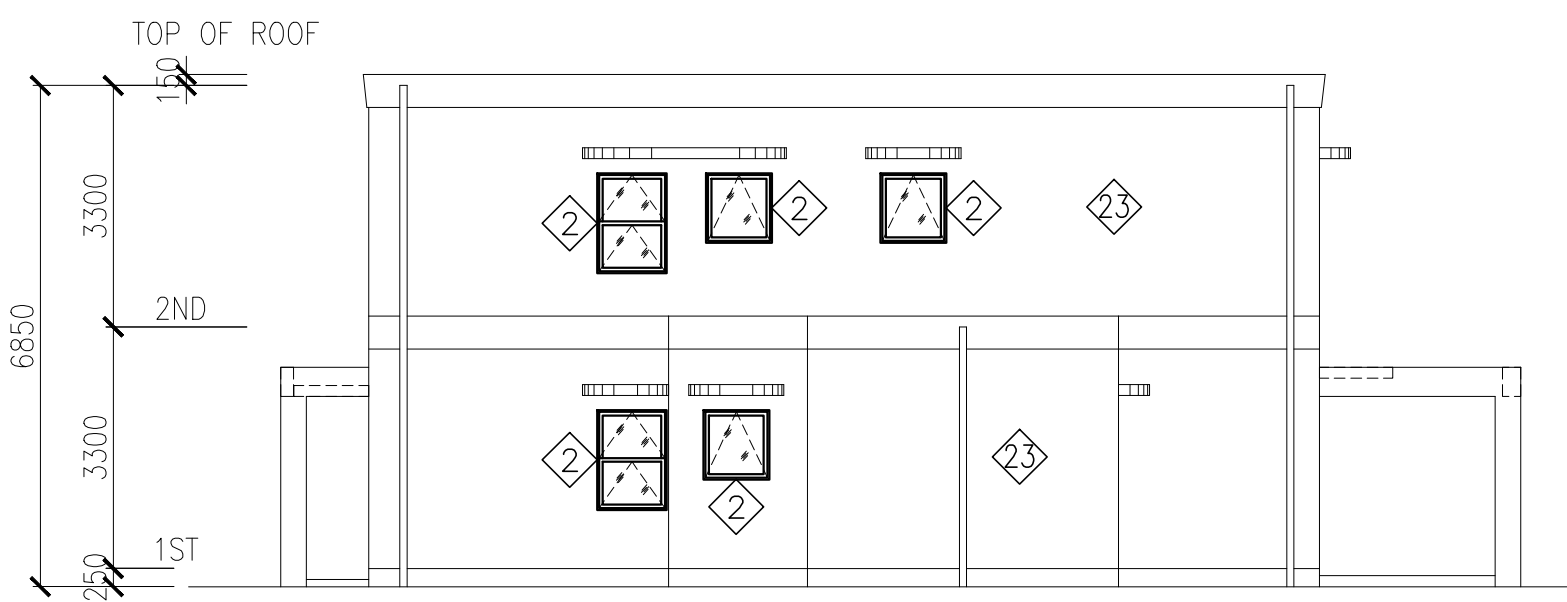
2 BUILDING ELEVATION (SQK4-95)  
A-17 A-17 SCALE 1/100



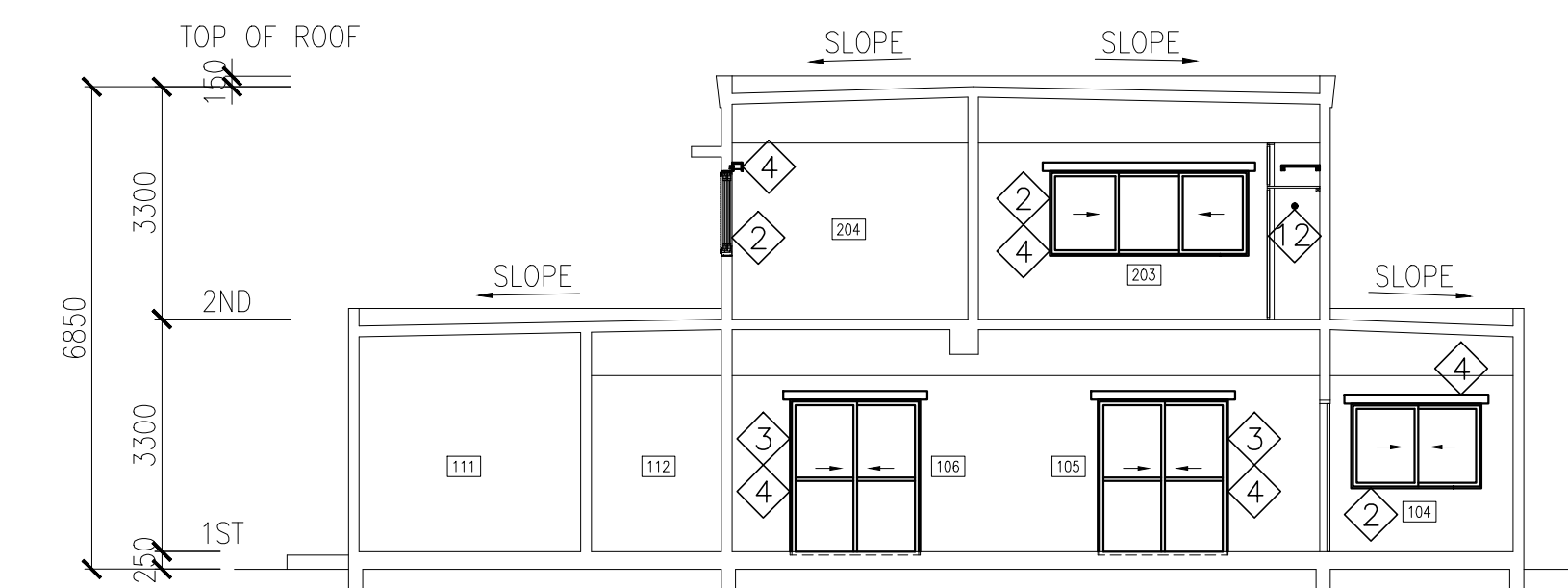


# BUILDING ELEVATION (SQK4-95)

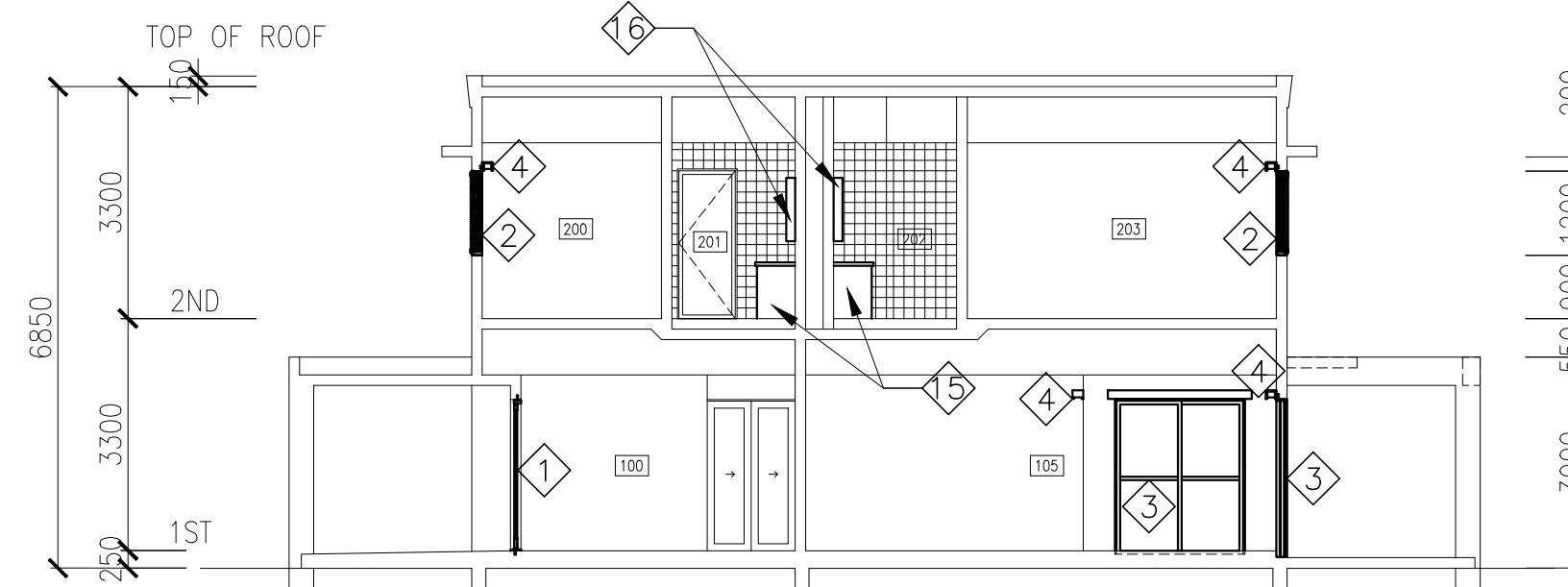
SCALE 1/100



4 BUILDING ELEVATION (SQK4-95)  
A-17 A-17 SCALE 1/100

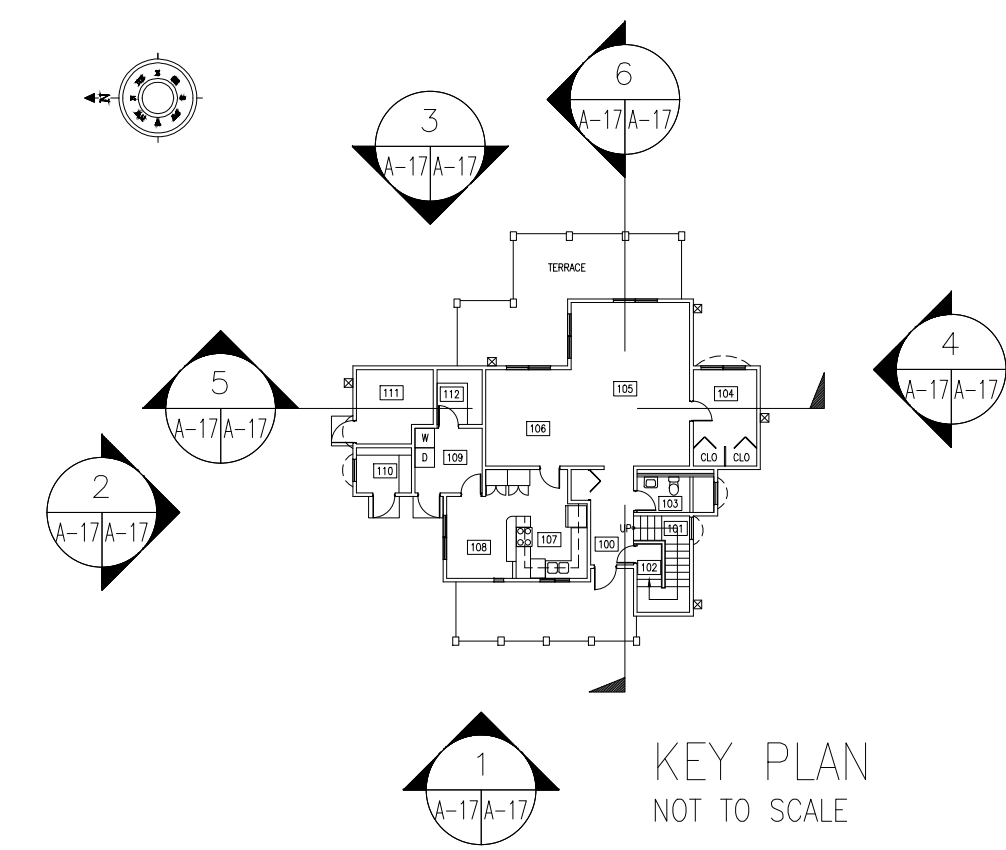


5 BUILDING SECTION (SQK4-95)  
A-17 A-17 SCALE 1/100



6 BUILDING SECTION (SQK4-95)  
A-17 A-17 SCALE 1/100

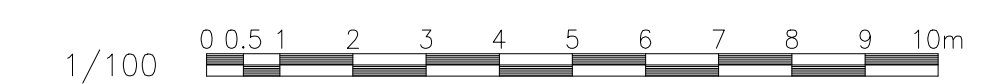
TYPE SQK4-95	
ROOM NUMBER	ROOM NAMES
1ST FLOOR	
100	ENTRANCE & HALLWAY
101	STAIR
102	INTERIOR STORAGE
103	TOILET
104	BEDROOM 4
105	LIVING ROOM
106	DINING ROOM
107	KITCHEN
108	FAMILY ROOM
109	LAUNDRY
110	EXTERIOR STORAGE
111	MECHANICAL
112	STORAGE
2ND FLOOR	
200	CORRIDOR
201	BATHROOM 2
202	BATHROOM 1
203	BEDROOM 1
204	BEDROOM 3
205	BEDROOM 2



NOTE:

1. SEE DWG SHEET A-11 FOR NEW SCOPE OF WORKS.

GRAPHIC SCALE

[illegible][illegible]

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SUBMITTAL

95%

Date: 14 FEB '17

REPAIR MFH, KINSEI HEIGHTS (97UN)	CAMP KINSEI, NYUS 16-4540 ELEVATIONS & SECTIONS (TYPE SOK4-95)	OKINAWA, JAPAN
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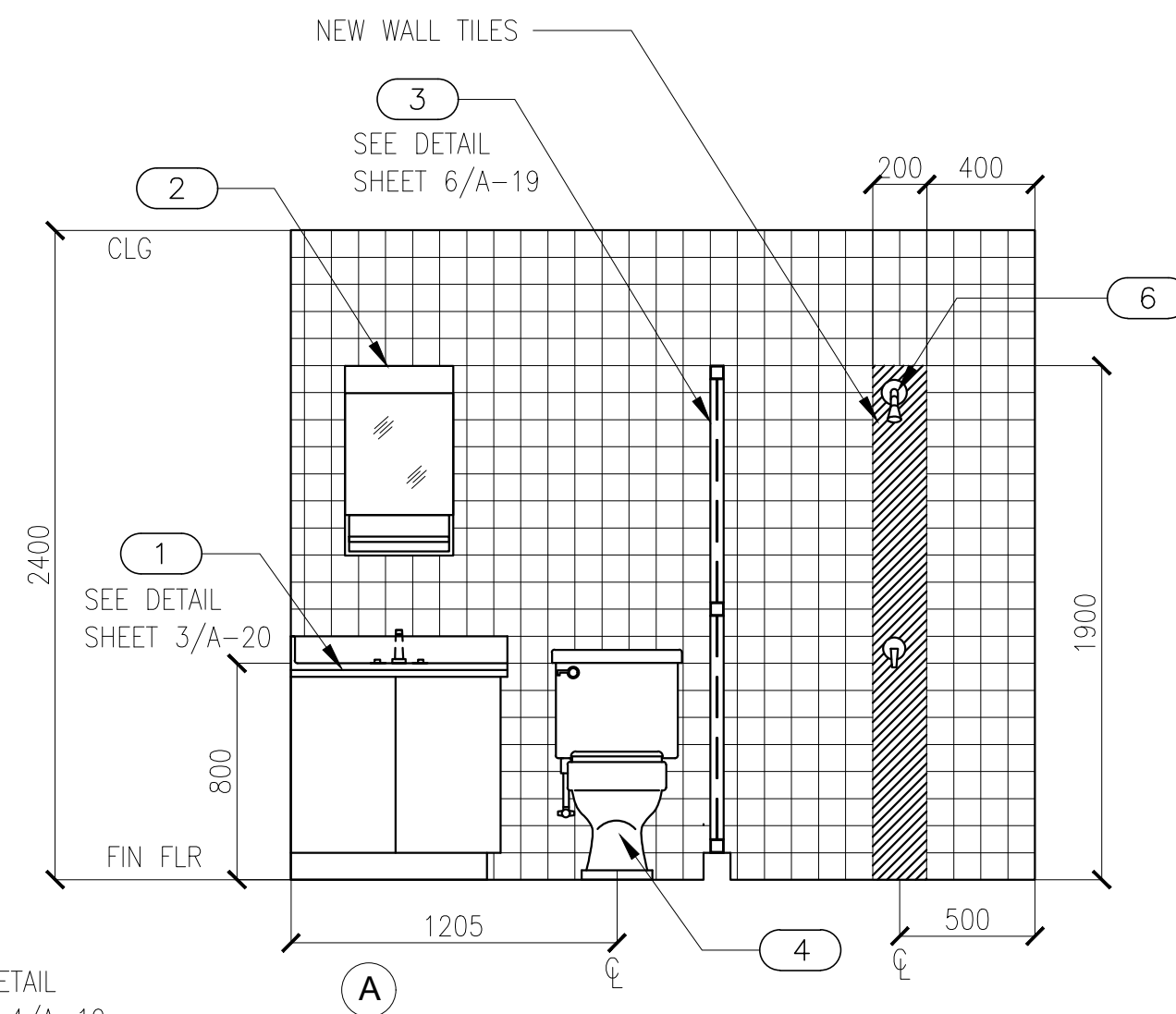
CONTRACT NUMBER

SHEET REFERENCE NO.

**A-17**

SHEET: 18 OF 62





WALL TILES

2

1

SEE DETAIL SHEET 3/A-20

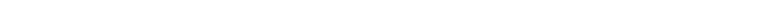
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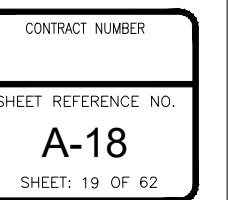
- 1  
A-18 A-18
- ENLARGED 2ND FLOOR SHOWER  
AND BATHROOM MODIFIED PLAN
- SCALE 1/25

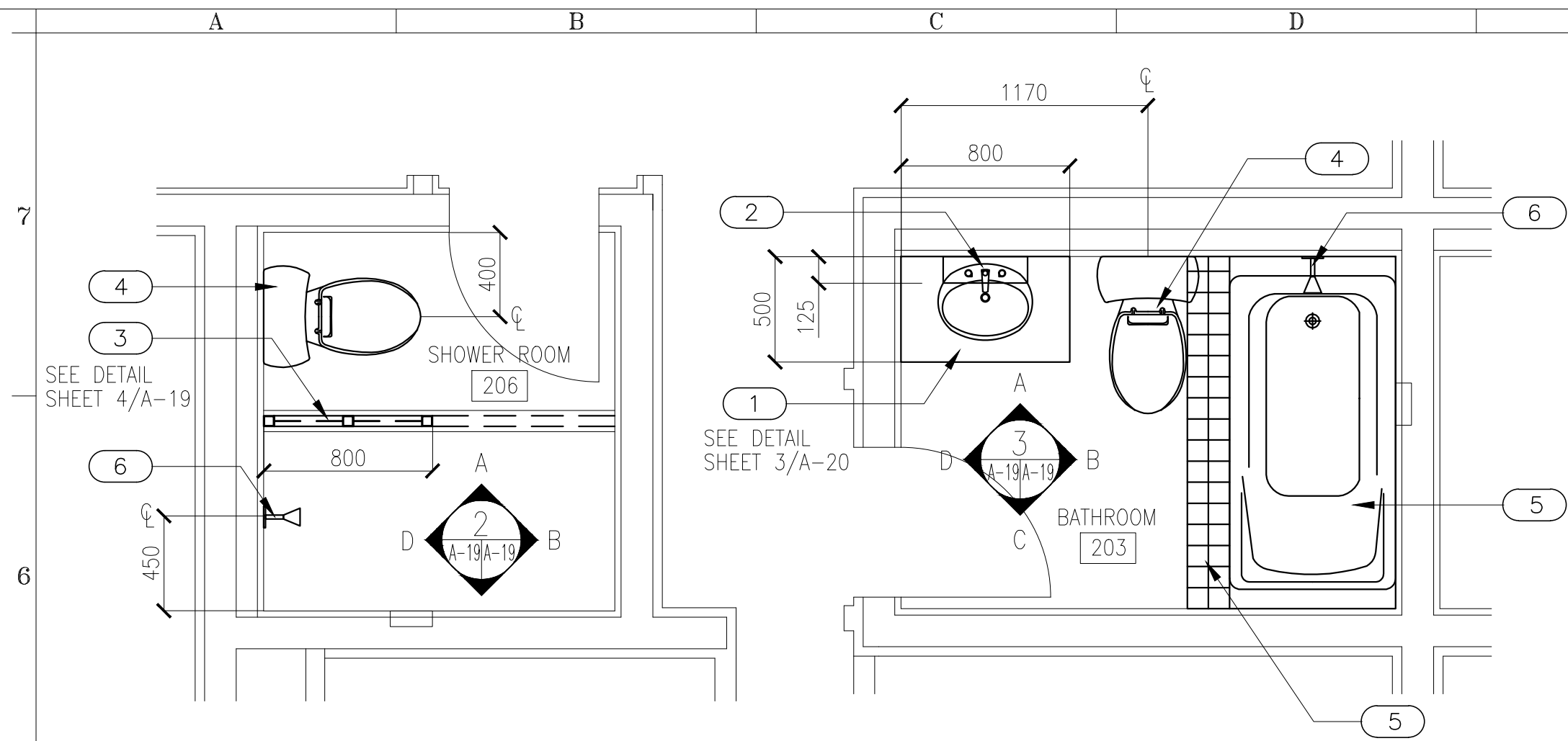


1/25



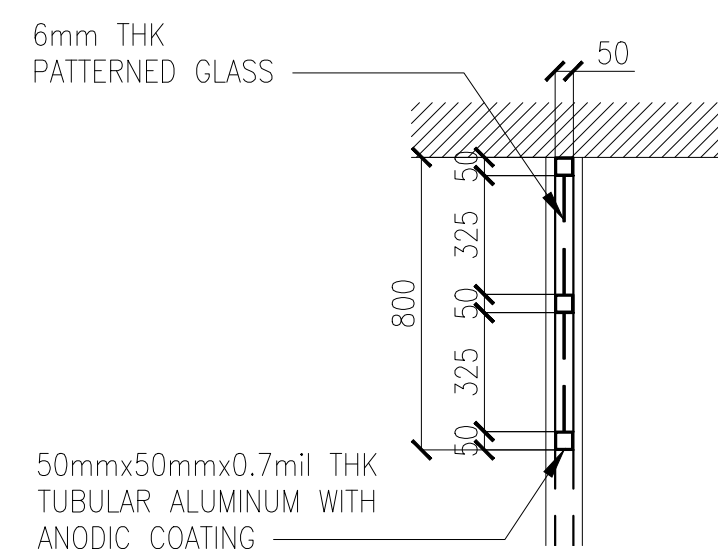
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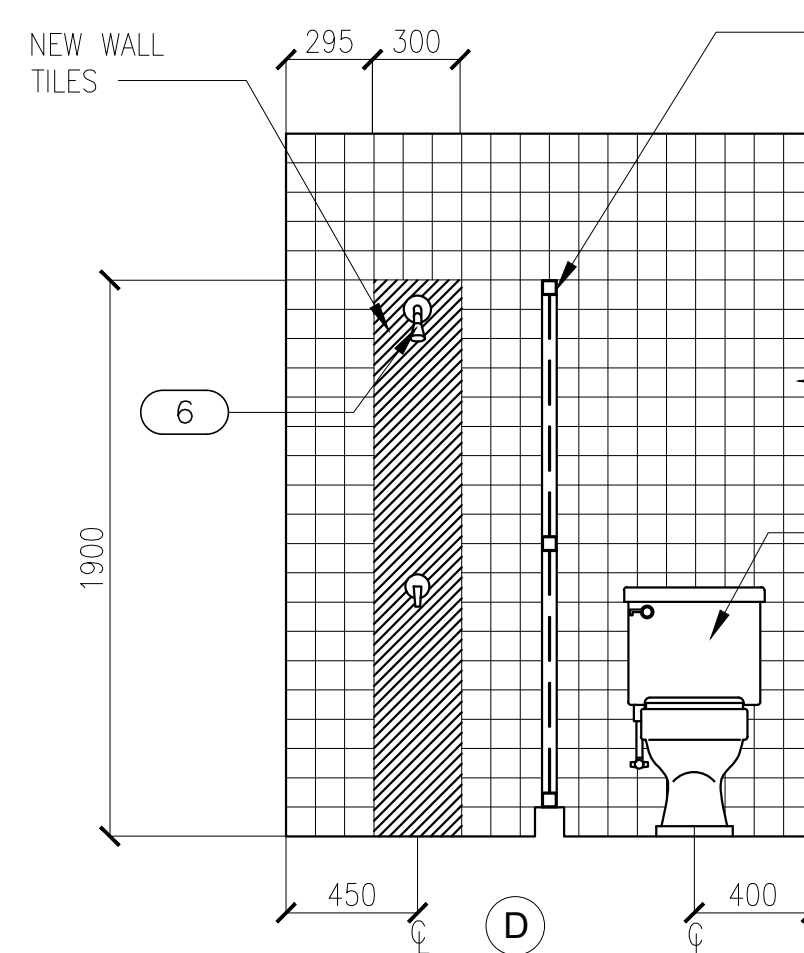
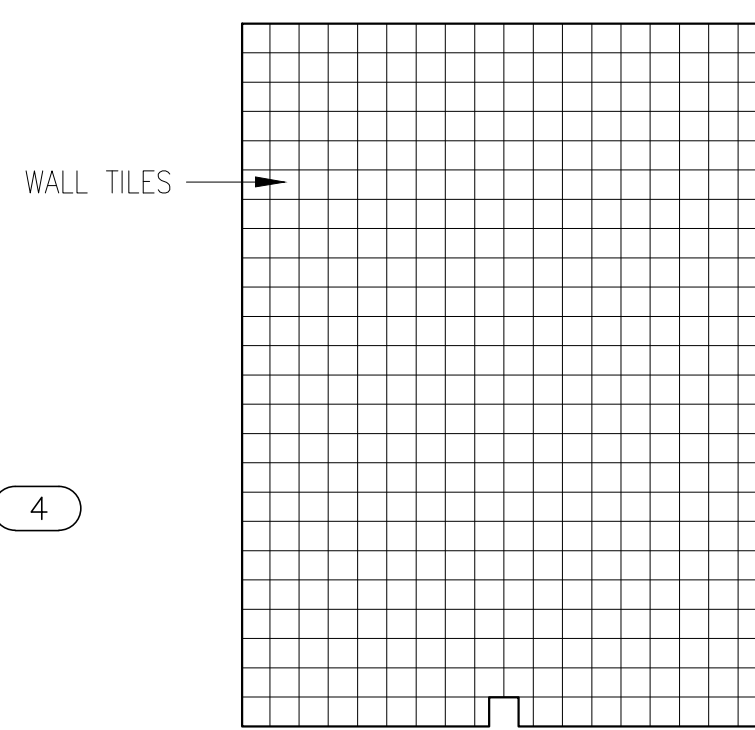
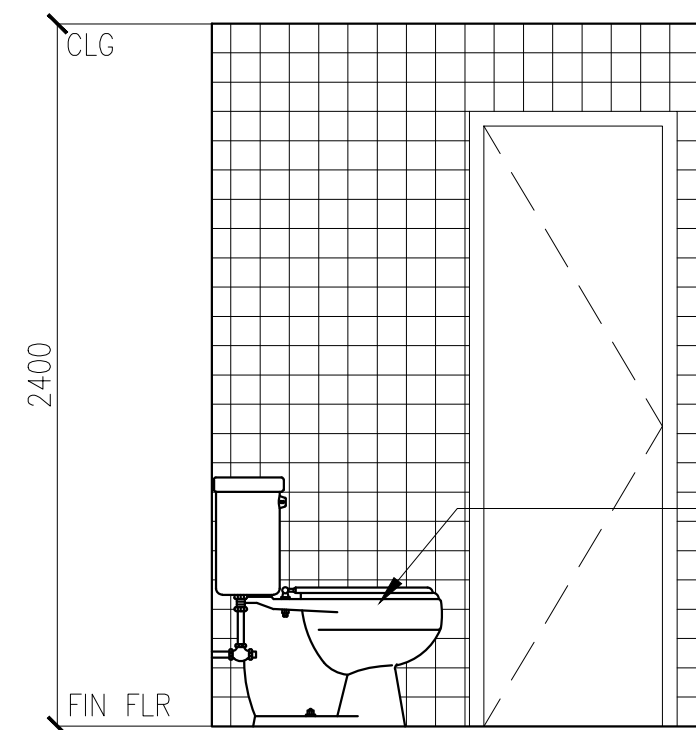
1 ENLARGED 2ND FLOOR SHOWER AND BATHROOM MODIFIED PLAN (TYPE JC3-90)  
SCALE 1/25

4 GLASS SHOWER ENCLOSURE PLAN  
SCALE 1/20



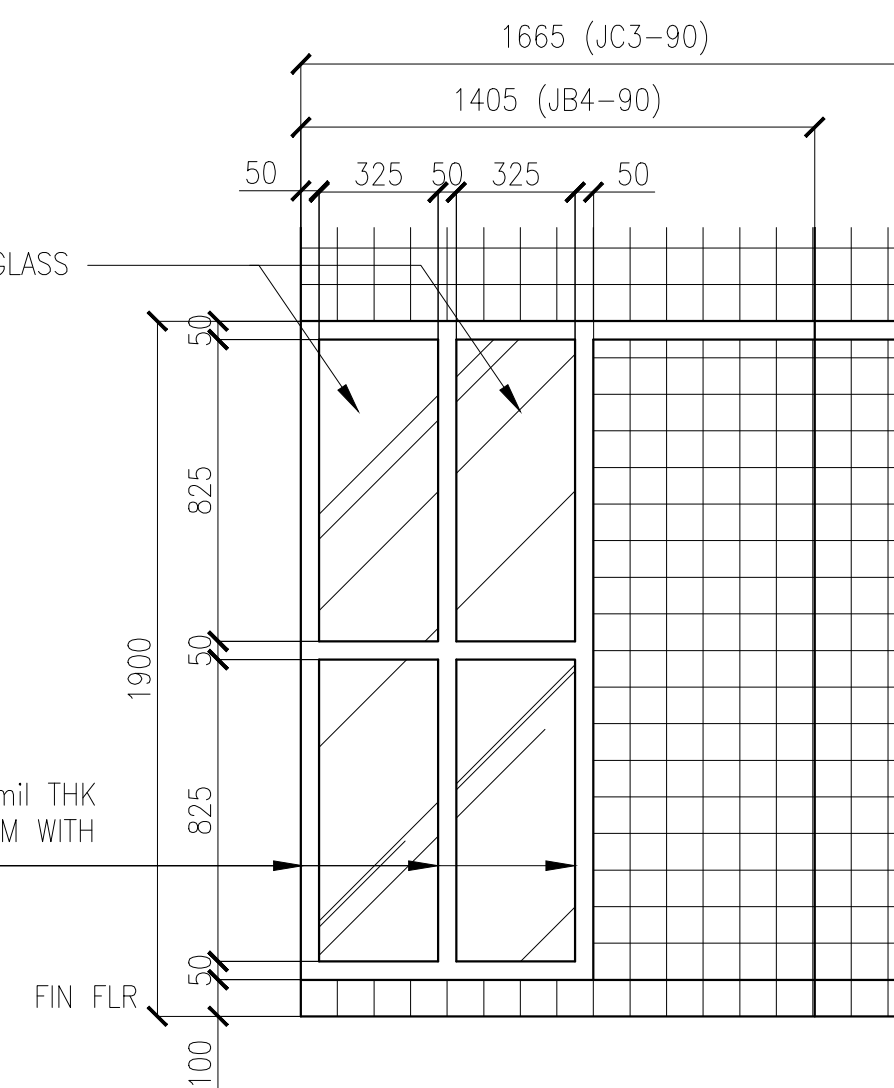
KEYED NOTES:

1. PROVIDE NEW PLASTIC LAMINATED VANITY CABINETS AND NON-POROUS SYNTHETIC COUNTERTOP WITH INTEGRAL LAVATORY.
2. PROVIDE NEW MEDICINE CABINET WITH LIGHTING FIXTURES.
3. PROVIDE NEW GLASS SHOWER ENCLOSURE.
4. PROVIDE NEW WATER CLOSET, SEE MECHANICAL SHEET M-9.
5. PROVIDE NEW BATHTUB AND PARTIAL FLOOR TILES.
6. PROVIDE NEW SHOWER VALVE AND HEAD.



3 SEE DETAIL SHEET 6/A-19

4 50mmx50mmx0.7mil THK TUBULAR ALUMINUM WITH ANODIC COATING

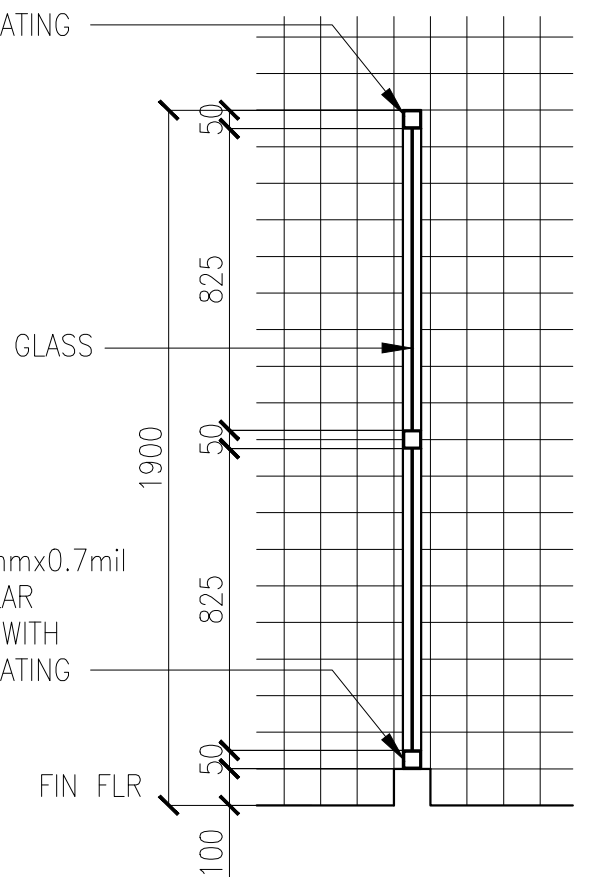


5 TYPICAL SIDE ELEVATION  
SCALE 1/20

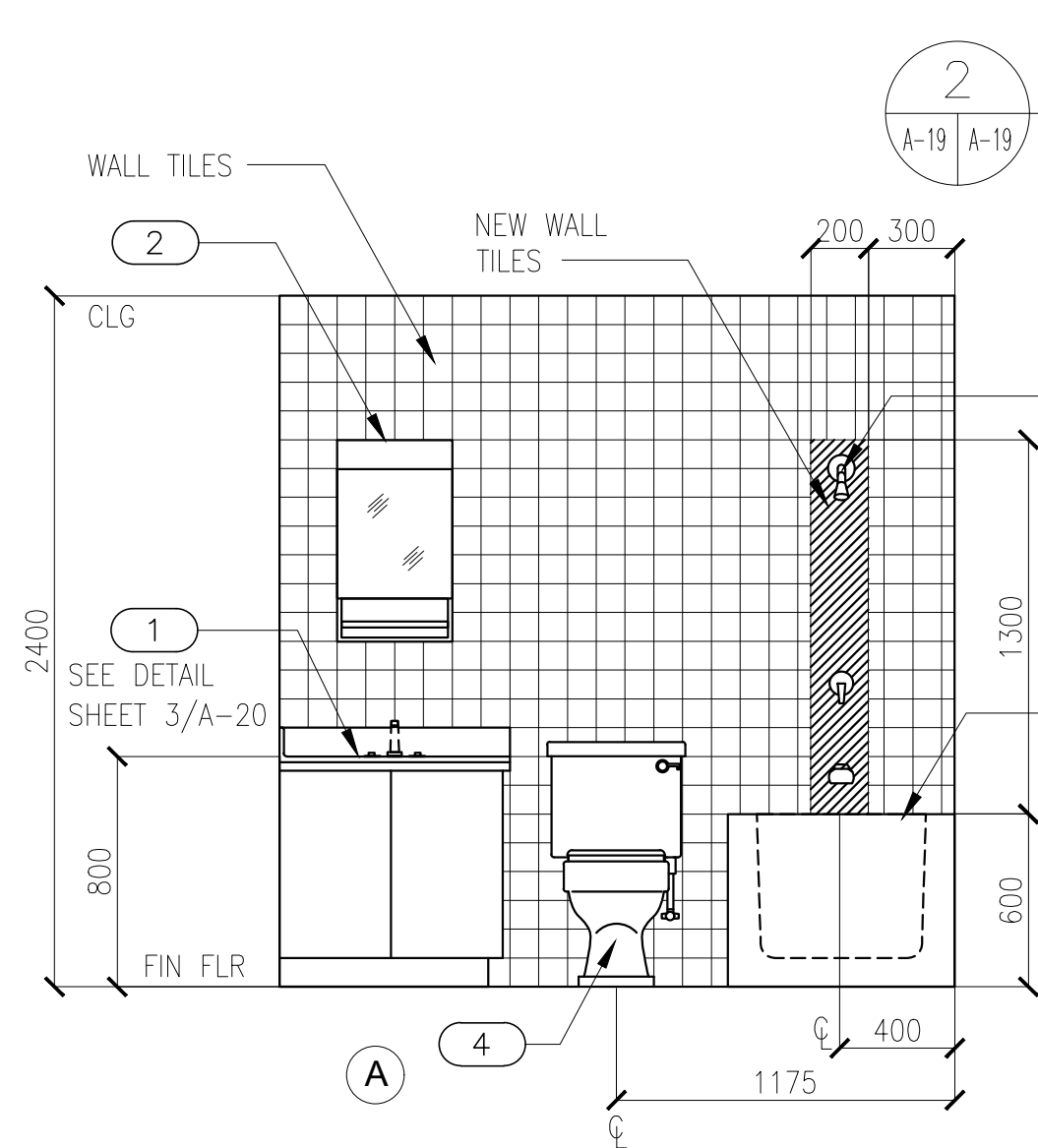
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6mm THK PATTERNED GLASS

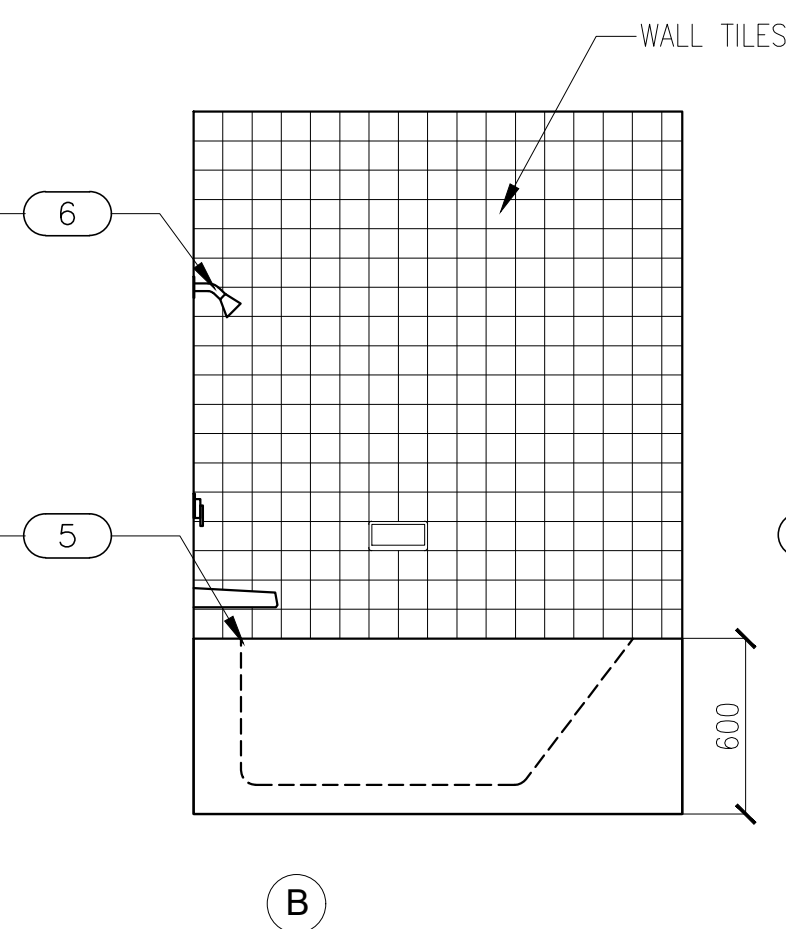
50mmx50mmx0.7mil THK TUBULAR ALUMINUM WITH ANODIC COATING



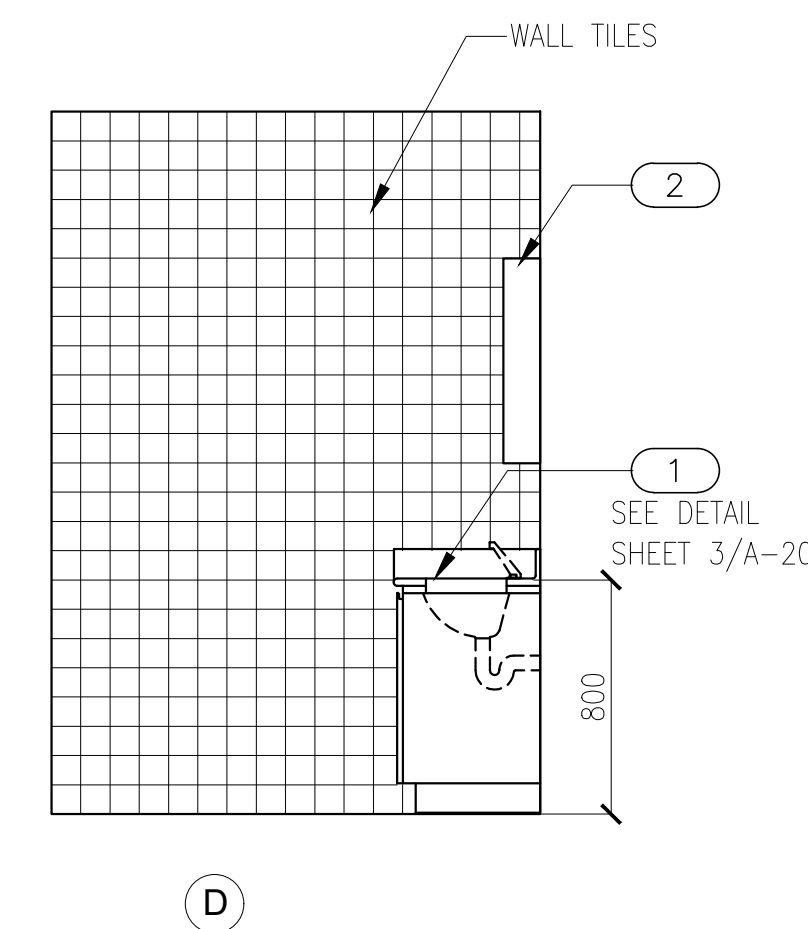
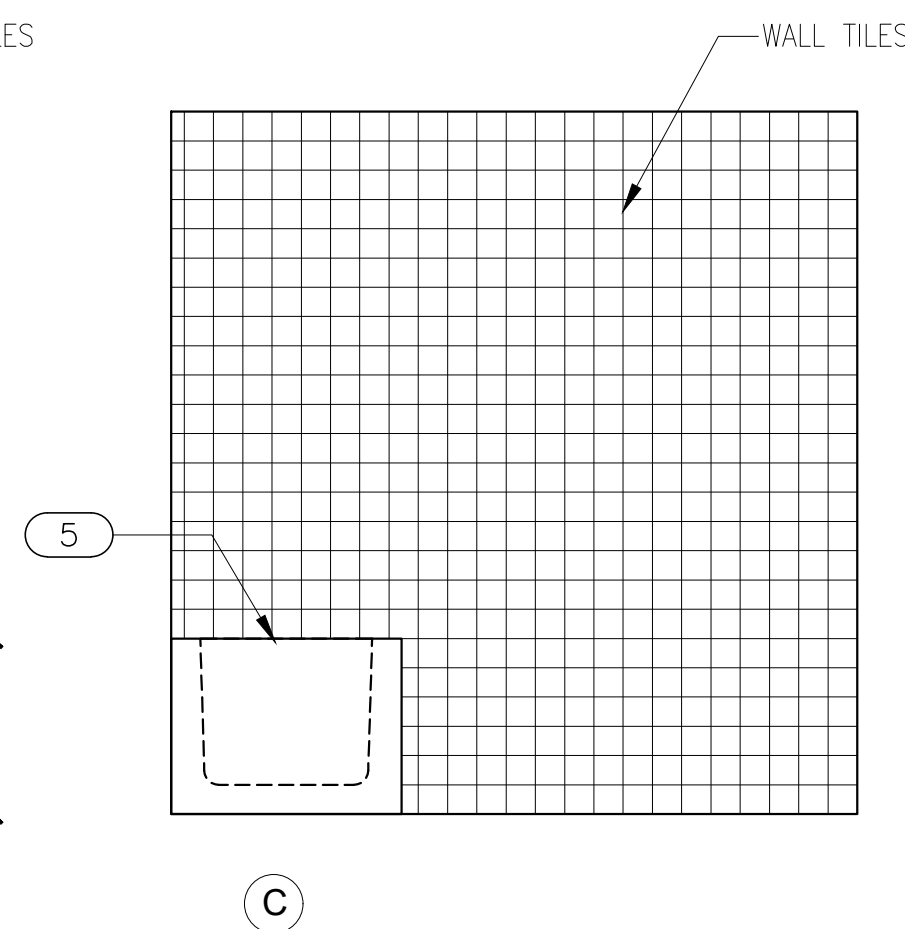
6 SECTION  
SCALE 1/20



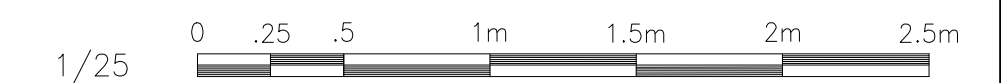
2 SHOWER ROOM INTERIOR ELEVATION  
SCALE 1/25



3 BATHROOM INTERIOR ELEVATION  
SCALE 1/25

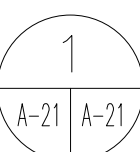


GRAPHIC SCALE









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1/25



- Submitted by:
- MIRAIT TECHNOLOGIES CORPORATION
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Tel: 06-6446-3404 Fax: 06-6446-0539



1/25

0 .25 .5 1m 1.5m 2m 2.5m

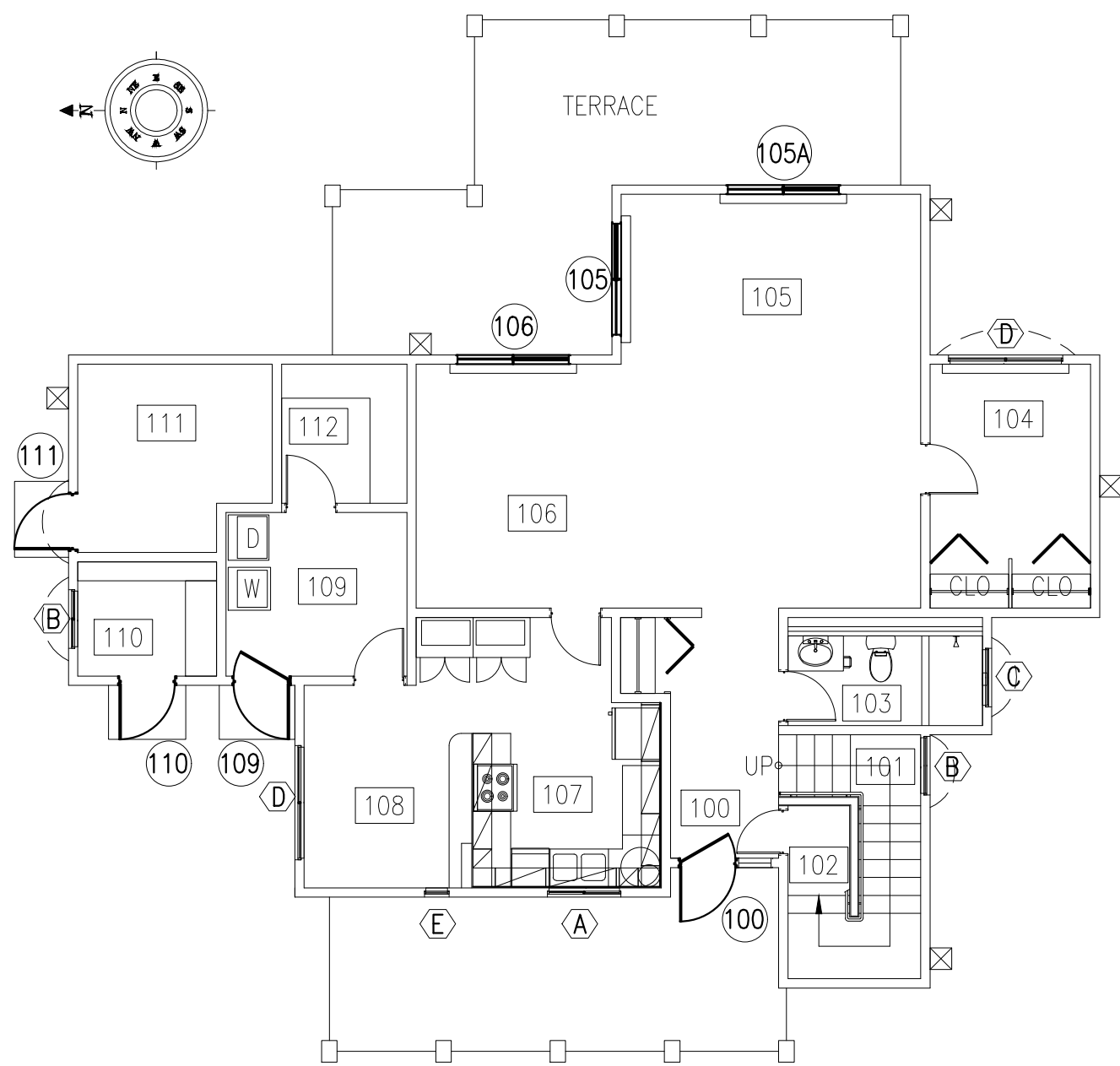




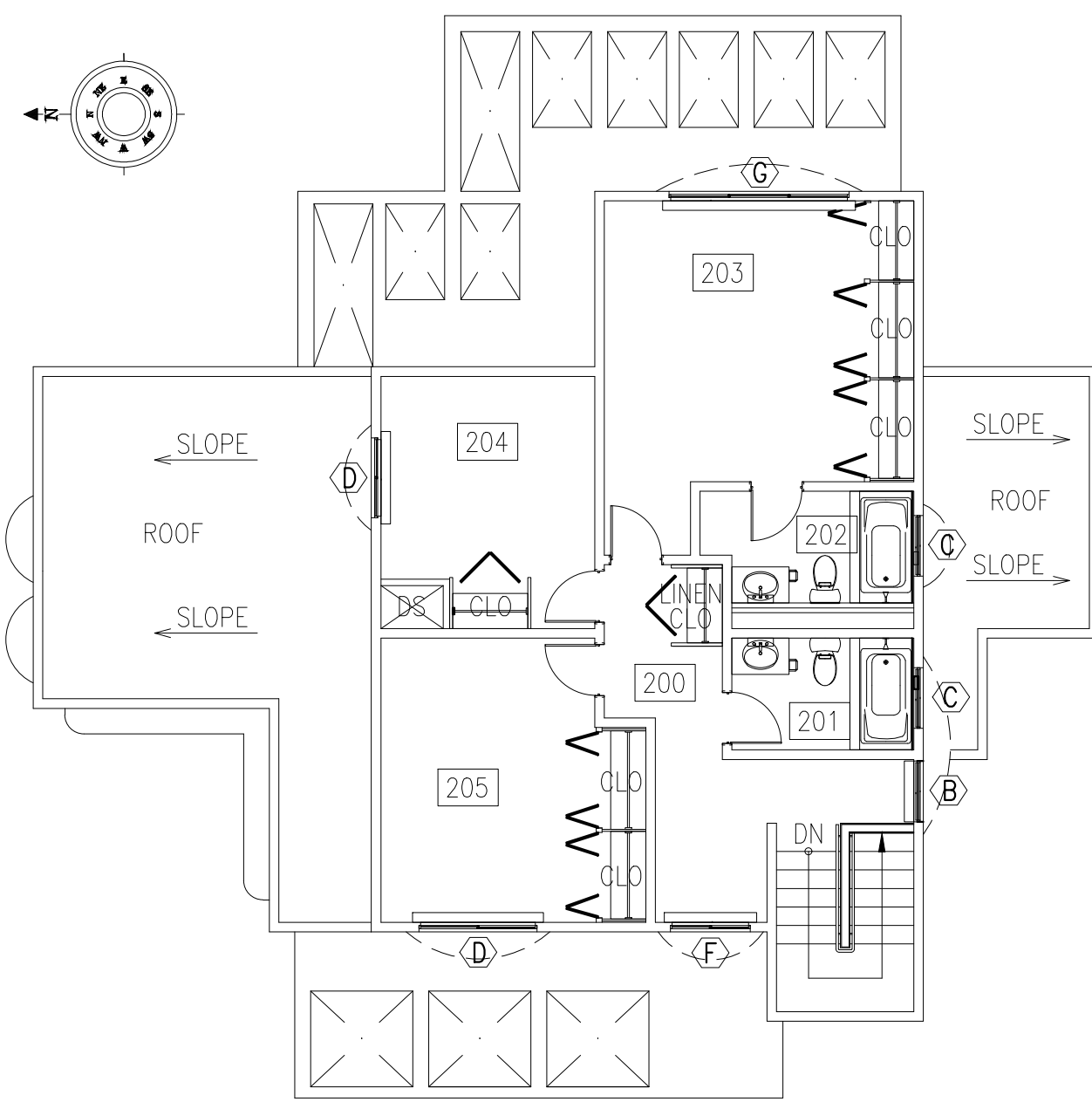




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1



1 GROUND FLOOR PLAN  
A-24 A-24 SCALE 1/100



2 SECOND FLOOR PLAN  
A-24 A-24 SCALE 1/100

TYPE SQK4-95	
ROOM NUMBER	ROOM NAMES
1ST FLOOR	
100	ENTRANCE & HALLWAY
101	STAIR
102	INTERIOR STORAGE
103	TOILET
104	BEDROOM 4
105	LIVING ROOM
106	DINING ROOM
107	KITCHEN
108	FAMILY ROOM
109	LAUNDRY
110	EXTERIOR SIGNAGE
111	MECHANICAL
112	STORAGE
2ND FLOOR	
200	CORRIDOR
201	BATHROOM 2
202	BATHROOM 1
203	BEDROOM 1
204	BEDROOM 3
205	BEDROOM 2

DOOR AND WINDOW NOTES

- PROVIDE NEW EXTERIOR ALUMINUM DOORS AND SLIDING DOORS INCLUDING FRAMES, SIDELIGHT, THRESHOLD AND HARDWARE.
- EXTERIOR DOORS AND FRAMES SHALL BE NON-CORRODING PREFINISHED ALUMINUM. SIDE LIGHT GLAZING SHALL MATCH THE WINDOW GLAZING. PROVIDE ALUMINUM INSECT SCREEN AS REQUIRED. MOUNT SCREENS IN REMOVABLE, REWIRABLE FRAMES OF SAME MATERIAL AND FINISH AS THE DOORS. ALSO PROVIDE LOUVERS AS REQUIRED AND REPAIR WALL OPENING ELEMENTS SUCH AS LINTELS AND SILLS.
- PROVIDE HARDWARE KEYING COMPATIBLE WITH THE EXISTING BASE-WIDE KEYING SYSTEM. DOOR HARDWARE FINISH MUST BE CHROME-PLATED BRASS OR BRONZE, OR STAINLESS STEEL.
- PROVIDE NEW EXTERIOR WINDOWS AND INSECT SCREENS WITH ANODIZED ALUMINUM SLIDING WINDOWS AND INSECT SCREENS. ALL WINDOWS INSECT SCREEN SHALL INCLUDE INSECT SCREEN MESH, FRAMES AND HARDWARE. GLAZING SHALL HAVE AN APPLIED SOLAR, HEAT-SHIELDING FILM REDUCING SOLAR HEAT GAIN INTO THE BUILDING.
- EXPOSED ALUMINUM WINDOW SURFACES MUST BE FACTORY FINISHED WITH AN AA 45 ANODIZED COATING OR AN AAMA ORGANIC COATING. PROVIDE A MINIMUM OF ARCHITECTURAL CLASS II ANODIZED COATING.
- PROVIDE NEW VERTICAL AND HORIZONTAL BLINDS. VENETIAN BLINDS. BLINDS SHALL BE PROVIDED AT EACH EXTERIOR WINDOW AND AT ANY INTERIOR WINDOW WHERE PRIVACY MAY BE REQUIRED.

MARK TYPE	100 ALUMINUM HINGED DOOR AND FRAME WITH ALUMINUM EXTERIOR SCREEN DOOR AND SIDELIGHT	109 ALUMINUM HINGED DOOR AND FRAME WITH ALUMINUM EXTERIOR SCREEN DOOR	110 ALUMINUM HINGED DOOR AND FRAME WITH ALUMINUM LOUVER	111 ALUMINUM HINGED DOOR AND FRAME	105 105A 106 ALUMINUM SLIDING DOOR AND FRAME WITH INSECT SCREEN	WOOD BI-FOLD DOORS AND FRAMES
LOCATION	ENTRANCE & HALLWAY	LAUNDRY ROOM	EXTERIOR STORAGE	MECHANICAL ROOM	LIVING AND DINING ROOM	LAUNDRY ROOM
FIN FLR						
QUANTITY	1	1	1	1	3	96
MAT. FINISH	ALUMINUM ANODIZED	ALUMINUM ANODIZED	ALUMINUM ANODIZED	ALUMINUM ANODIZED	ALUMINUM ANODIZED	WOODEN PAINTED
GLAZING	INSULATED GLASS	INSULATED GLASS			INSULATED GLASS	
HARDWARE						

MARK TYPE	A ALUMINUM SLIDING WINDOW WITH INSECT SCREEN	B ALUMINUM AWNING WINDOW WITH INSECT SCREEN	C ALUMINUM AWNING WINDOW WITH INSECT SCREEN	D ALUMINUM AWNING WINDOW WITH INSECT SCREEN	E ALUMINUM FIXED WINDOW	F ALUMINUM SLIDING WINDOW WITH INSECT SCREEN	G ALUMINUM SLIDING WINDOW WITH INSECT SCREEN
LOCATION	KITCHEN	MAIN STAIR 1ST LANDING; 2ND FLOOR LEVEL; EXTERIOR STORAGE	GROUND FLOOR TOILET; 2ND FLOOR BATHROOM 1 AND BATHROOM 2	BEDROOM 4; FAMILY ROOM; BEDROOM 2 AND 3		CORRIDOR	BEDROOM 1
FIN FLR							
QUANTITY	1	3	3	4	1	1	1
MAT. FINISH	ALUMINUM ANODIZED	ALUMINUM ANODIZED	ALUMINUM ANODIZED	ALUMINUM ANODIZED	ALUMINUM ANODIZED	ALUMINUM ANODIZED	ALUMINUM ANODIZED
GLAZING	INSULATED GLASS	INSULATED GLASS	INSULATED GLASS	INSULATED GLASS	INSULATED GLASS	INSULATED GLASS	INSULATED GLASS
HARDWARE							

3 DOOR AND WINDOW SCHEDULE  
A-24 A-24 SCALE 1/50

GRAPHIC SCALE

1/50



1/100



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Date: 14 FEB '17

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NYJS 16-4540

DOORS AND WINDOWS SCHEDULE (TYPE SQK4-95)

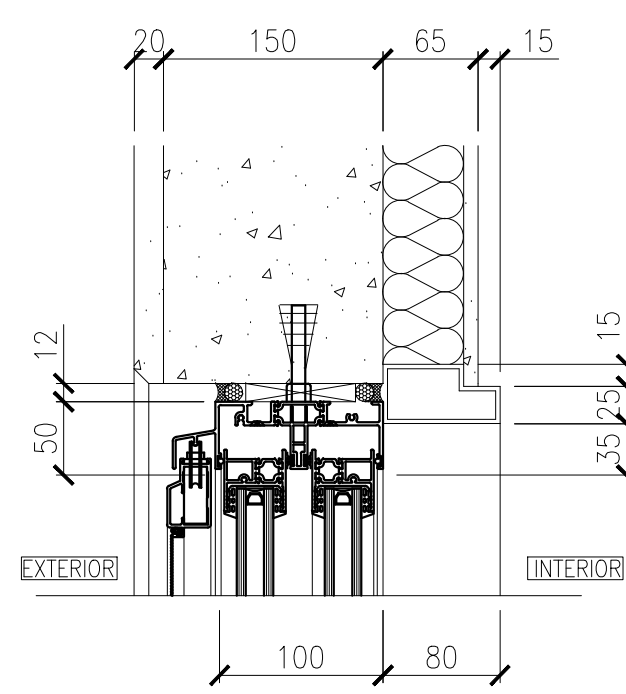
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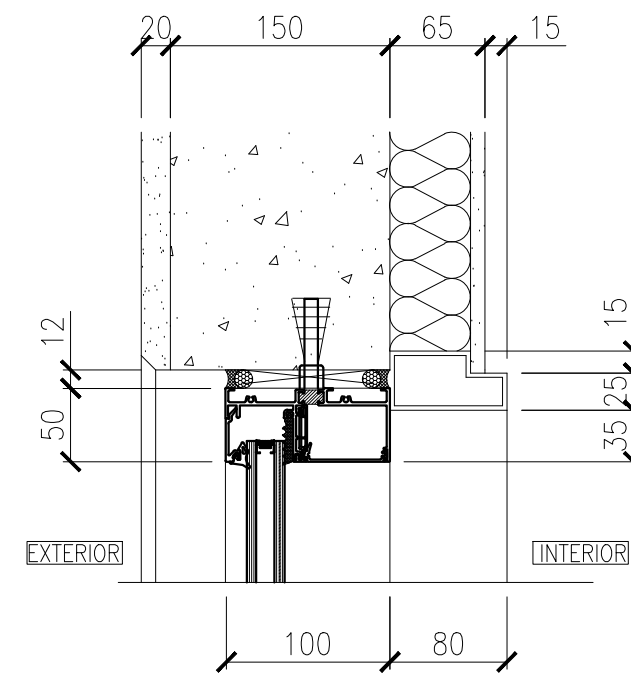
SHEET: 25 OF 62



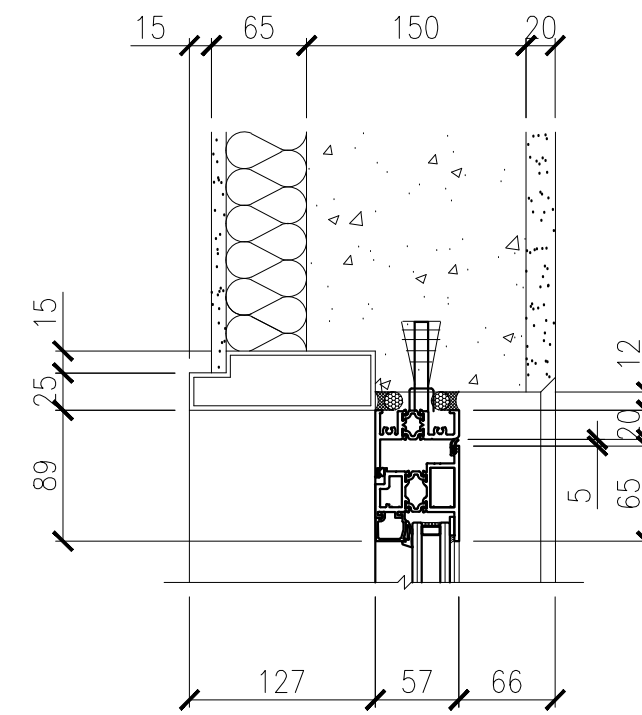




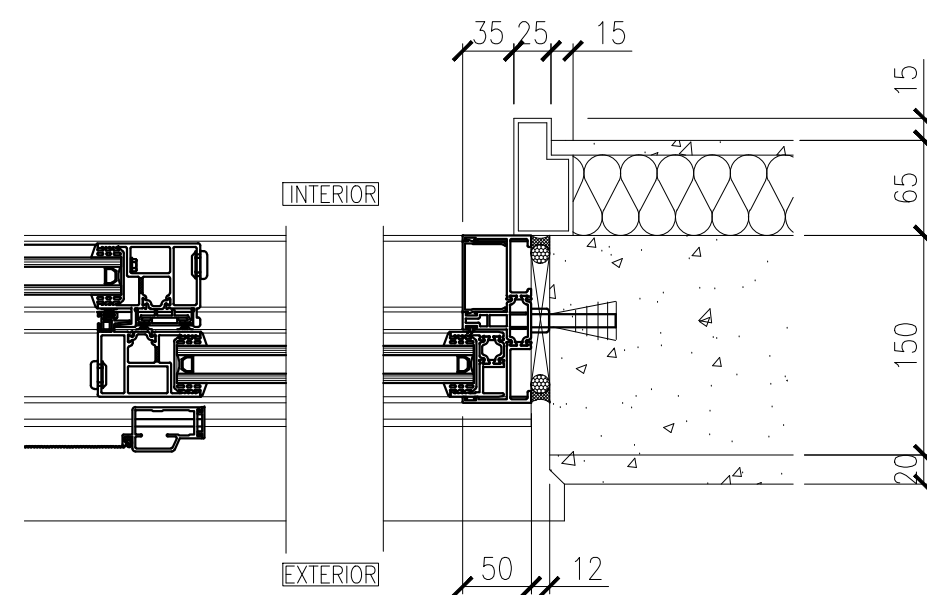
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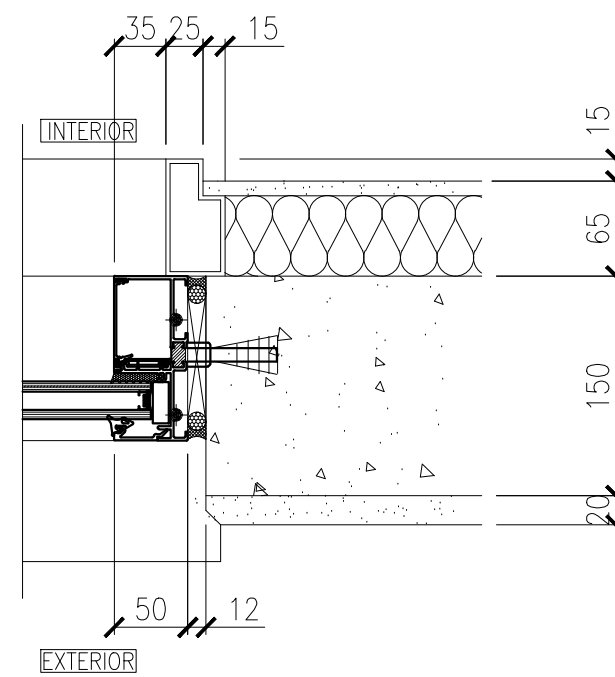
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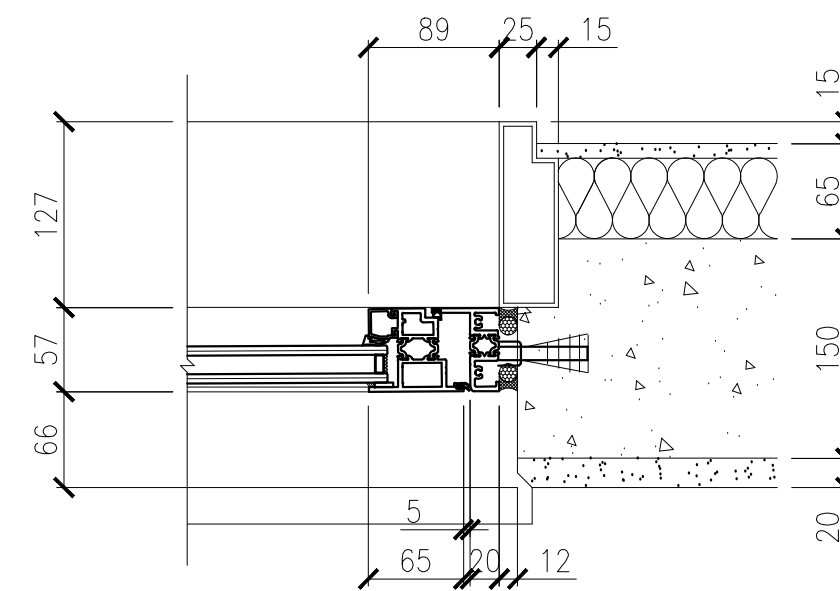
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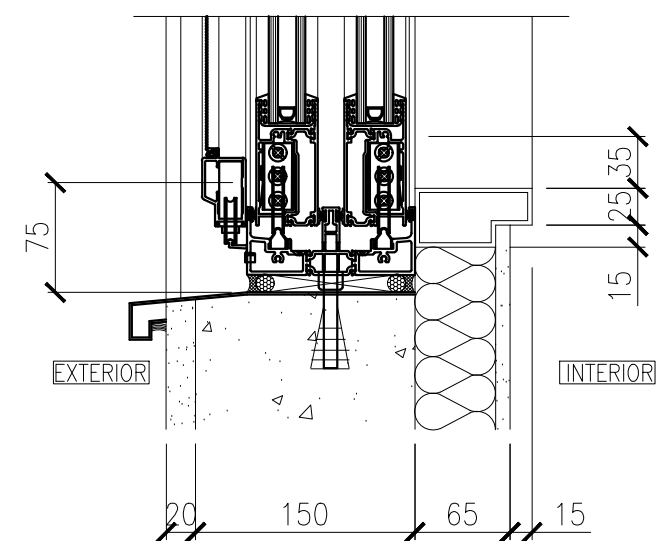
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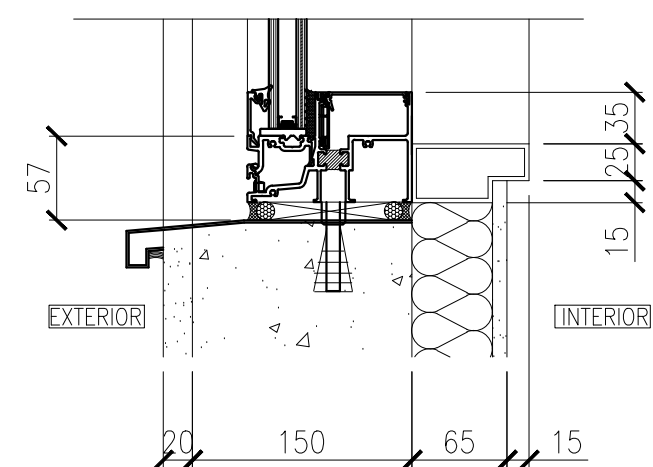
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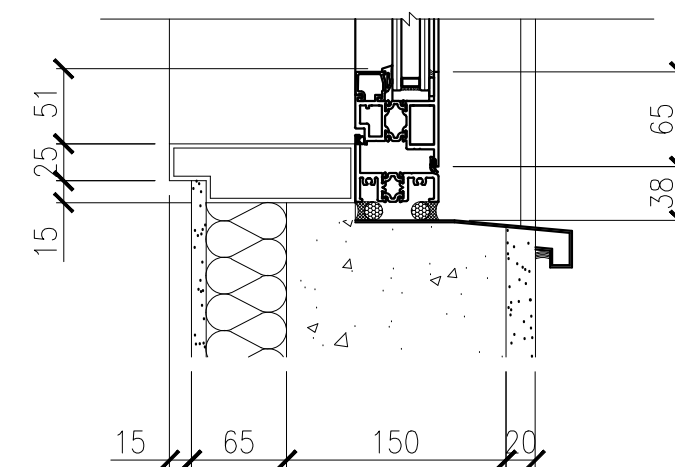
JAMB



SILL



SILL



SILL

1 SLIDING WINDOW DETAILS  
A-26 A-26 SCALE 1/5

2 FIXED WINDOW DETAILS  
A-26 A-26 SCALE 1/5

3 AWNING WINDOW DETAILS  
A-26 A-26 SCALE 1/5

[illegible][illegible]

Submitted by:

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Date:  
14 FEB '17

CAMP KINSEK, NYJS 16-4540 OKINAWA, JAPAN  
REPAIR MFH, KINSEK HEIGHTS (97UN) WINDOW DETAILS (TYPE SQK4-95)

CONTRACT NUMBER

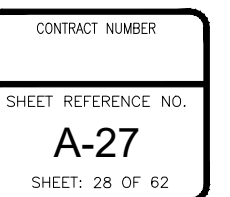

SHEET REFERENCE NO.

**A-26**

SHEET: 27 OF 62



1/20

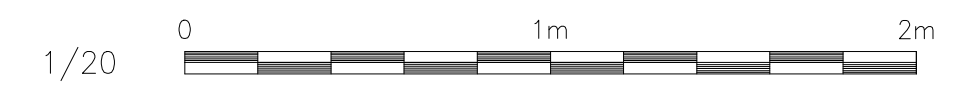
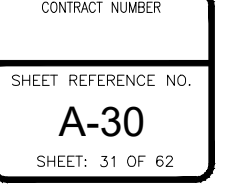




















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Rev.	By	Date

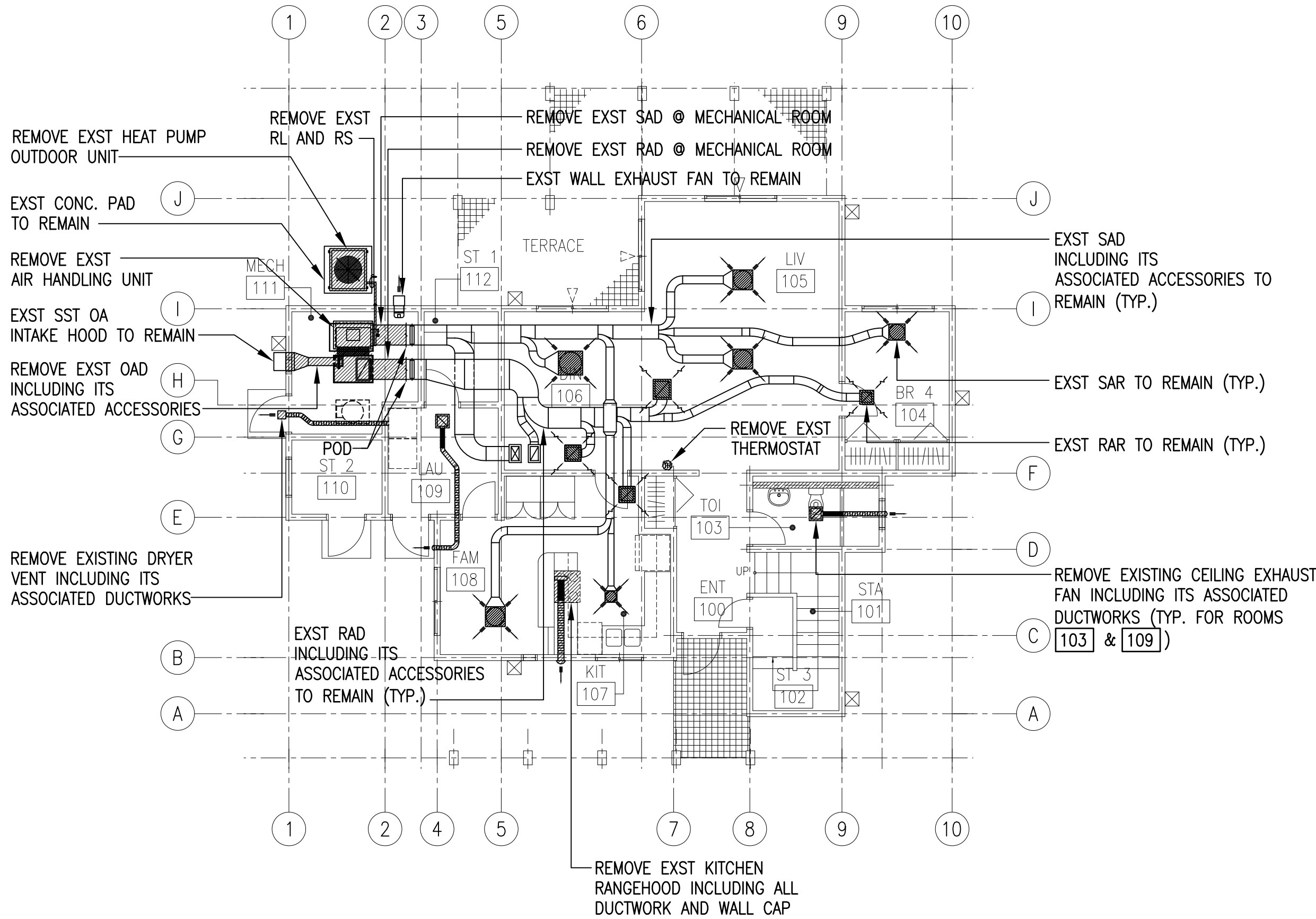
Submitted by  
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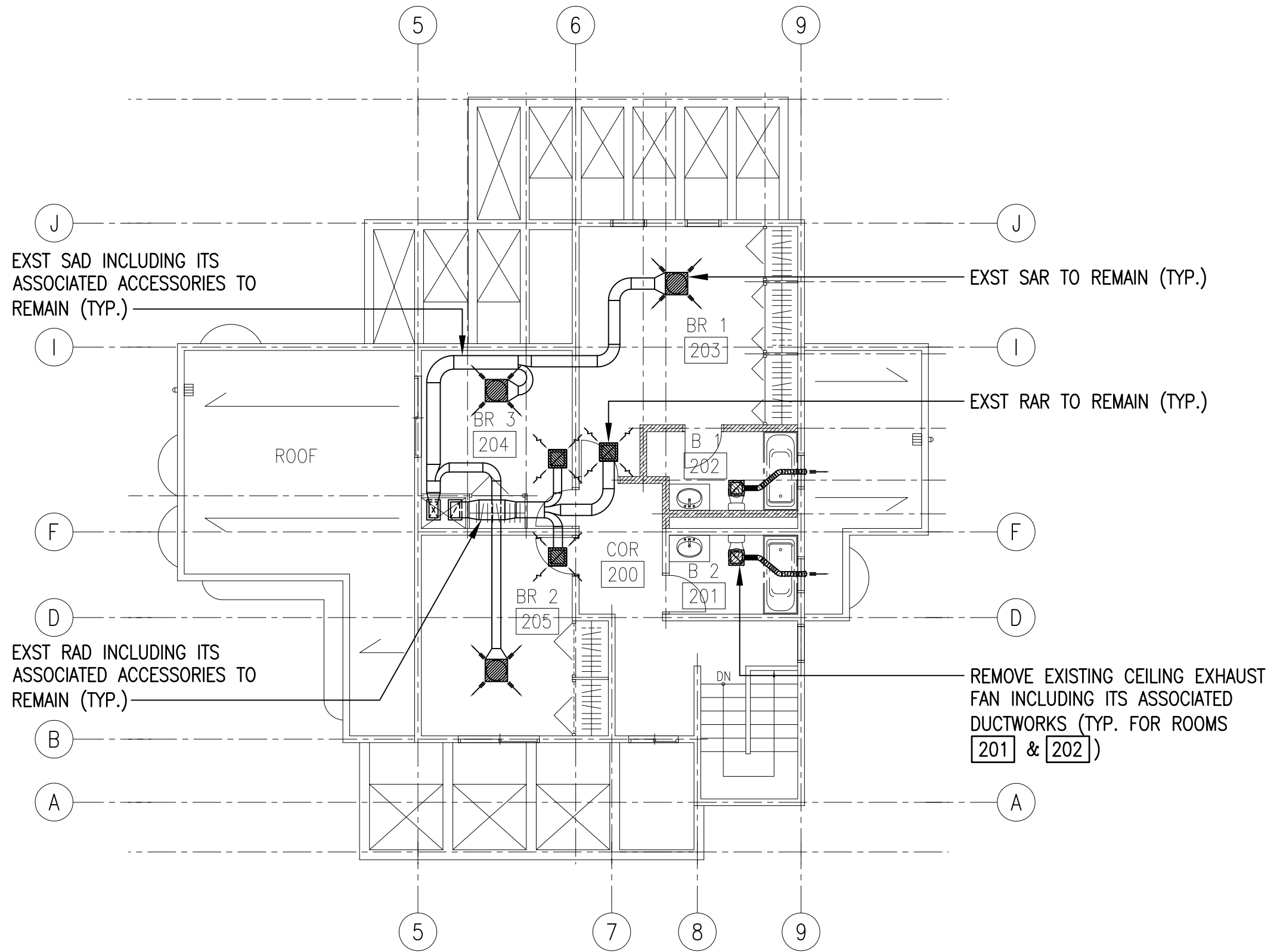
Date:  
14 FEB '17

REPAIR MFH, KINSER HEIGHTS (97UN)  
OKINAWA, JAPAN  
NYJS 16-4540  
MECHANICAL  
EXST/REMOVAL HVAC TYPE "SQK4-95"  
SCOPE OF WORKS, GENERAL NOTES, LEGEND AND ABBREVIATIONS

CONTRACT NUMBER  
SHEET REFERENCE NO.  
M-3  
SHEET: 34 OF 62



1 EXST/REMOVAL FIRST FLOOR HVAC PLAN (TYPE "SQK4-95")  
SCALE 1/100



2 EXST/REMOVAL SECOND FLOOR HVAC PLAN (TYPE "SQK4-95")  
SCALE 1/100

### SCOPE OF WORK (MECHANICAL):

#### REMOVAL WORKS:

- REMOVE EXISTING HEAT PUMP OUTDOOR UNIT, AIR HANDLING UNIT, REFRIGERANT PIPING, CONDENSATE DRAIN PIPING, PIPE INSULATIONS (AT MECH ROOM) AND ITS ASSOCIATED CONTROL SYSTEM.
- REMOVE EXISTING KITCHEN RANGE HOODS, CEILING EXHAUST FANS AT BATHROOMS, DRYER VENT & ITS ASSOCIATED DUCTWORK AT UTILITY ROOM.


#### NEW WORKS:



- PROVIDE NEW INDOOR & OUTDOOR UNIT WITH DUCTED AIR DISTRIBUTION AND CONTROLS TO SERVE THE HEATING AND COOLING REQUIREMENTS OF THE HOUSING UNITS. INSTALL VIBRATION ISOLATORS ON HEAT PUMPS. PROVIDE HEAT PUMPS WITH SUPPLEMENTAL ELECTRIC HEATERS AS NEEDED. PROVIDE HEAT PUMPS WITH HUMIDITY CONTROL MEANS SUCH AS MECHANICAL DEHUMIDIFIER TO PREVENT MOLD GROWTH. THE CONTRACTOR SHALL RESEARCH AND DETERMINE THE MOST EFFICIENT AND ECONOMICAL DEHUMIDIFICATION SYSTEM.
- PROVIDE NEW KITCHEN RANGE HOODS, CEILING EXHAUST FANS & DRYER VENT INCLUDING ALL ASSOCIATED DUCTWORKS.
- PROVIDE MANUAL VOLUME DAMPER FOR EACH SUPPLY AIR AND RETURN AIR REGISTERS OR GRILLES.
- PROVIDE COMPLETE TESTING AND BALANCING (TAB) OF ALL AIR DISTRIBUTION SYSTEM AND HVAC EQUIPMENT.
- PROVIDE CLEANING (INCLUDING INSIDE DUCT) AND REPAINTING OF EXISTING GRILLES REGISTERS AND DIFFUSERS THAT ARE TO REMAIN.

### MECHANICAL GENERAL NOTES

- PROVIDE WORKING SPACE AROUND ALL EQUIPMENT. PROVIDE ALL REQUIRED FITTINGS, CONNECTIONS AND ACCESSORIES REQUIRED FOR A COMPLETE AND USABLE SYSTEM. ALL EQUIPMENT SHALL BE INSTALLED PER THE CRITERIA IN PTS SECTION D30 AND THE MANUFACTURER'S RECOMMENDATIONS. WHERE THE WORD "SHOULD" IS USED IN MANUFACTURER'S INSTRUCTIONS, SUBSTITUTE THE WORD "SHALL".
- PROVIDE AIR CONDITION, HEATING AND VENTILATION FOR SPACES PER AIR FORCE FAMILY HOUSING GUIDE AND UFC 3-400-2, ENGINEERING WEATHER DATA (FEB 2003) AS INDICATED FOR THE DESIGN CONDITIONS.
- PROVIDE VENTILATION RATES AND SYSTEMS PER ASHRAE STANDARD 62.1, VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY.
- ALL MECHANICAL EQUIPMENT MUST HAVE PAINTED FINISHES THAT PASS A SALT-SPRAY TEST CONDUCTED PER ASTM B117 FOR DURATION OF AT LEAST 500 HOURS.
- ALL OUTSIDE MECHANICAL EQUIPMENT HVAC CONDENSER COILS SHALL BE COPPER TUBES-COPPER FINNS WITH A MANUFACTURER APPROVED COATING SYSTEM.
- ALL EXISTING EQUIPMENTS AND ASSOCIATED ACCESSORIES TO BE REMOVED SHALL BE TURNED OVER TO THE GOVERNMENT.

### LEGEND, SYMBOLS AND ABBREVIATIONS

	REMOVAL WORKS
AC	AIR CONDITIONING UNIT
CFM	CUBIC FEET PER MINUTE
CMH	CUBIC METER PER HOUR
CU	CONDENSING UNIT
EAD	EXHAUST AIR DUCT
OA	OUTSIDE AIR

EXST	EXISTING
HP	HORSEPOWER
HZ	HERTZ
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
KW	KILOWATTS
PH	PHASE
POC	POINT OF CONNECTION
POD	POINT OF DISCONNECTION
RAD	RETURN AIR DUCT
RAR	RETURN AIR REGISTER
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
SAD	SUPPLY AIR DUCT
SAR	SUPPLY AIR REGISTER
SST	STAINLESS STEEL
TYP	TYPICAL
V	VOLTS
VD	VOLUME DAMPER
	EMERGENCY SWITCH
	PROGRAMMABLE TEMPERATURE/HUMIDITY CONTROL

TYPE SQK4-95			
ROOM NUMBER	ROOM NAMES	ROOM NUMBER	ROOM NAMES
1ST FLOOR		2ND FLOOR	
100	ENTRANCE & HALLWAY	200	CORRIDOR
101	STAIR	201	BATHROOM 2
102	INTERIOR STORAGE	202	BATHROOM 1
103	TOILET	203	BEDROOM 1
104	BEDROOM 4	204	BEDROOM 3
105	LIVING ROOM	205	BEDROOM 2
106	DINING ROOM		
107	KITCHEN		
108	FAMILY ROOM		
109	LAUNDRY		
110	EXTERIOR STORAGE		
111	MECH ROOM		
112	STORAGE		

### GRAPHIC SCALE:

1/100 0 0.51 2 3 4 5 6 7 8 9 10m



Date
Revision
Mark

Date
Revision
Mark

Submitted by  
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SUBMITTAL  
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Date:  
14 FEB '17

REPAIR MFH, KINSER HEIGHTS (97UN)  
CAMP KINSER,  
OKINAWA, JAPAN  
NYJS 16-4540  
MECHANICAL  
MODIFIED HVAC PLAN (TYPE "JB4-90")

CONTRACT NUMBER  
SHEET REFERENCE NO.  
M-4  
SHEET 35 OF 82

MECHANICAL EQUIPMENT SCHEDULE		
MARK	QTY	DESCRIPTION
<b>KH</b> 1	84	<b>KITCHEN RANGE HOOD</b> FACTORY FABRICATED RESIDENTIAL RANGE HOOD, UNDER CABINET MOUNTED, DUCTED TYPE COMPLETE WITH INCANDESCENT LIGHT ASSEMBLY, BACKDRAFT DAMPER, CENTRIFUGAL BLOWER WITH MULTI SPEED MOTOR, CONTROL AND WASHABLE ALUMINUM FILTER. COLOR TO BE APPROVED BY BASE HOUSING DEPARTMENT.  DIMENSION : 750mm x 450mm FAN MOTOR : 2.0 AMPS, 120V, 1PH, 60Hz AIR FLOW RATE : 272 CMH TSP : 25 Pa MAX. SONES : 6.5
<b>EF</b> 1	252	<b>CEILING EXHAUST FAN</b> CEILING MOUNTED, CENTRIFUGAL TYPE, DIRECT DRIVE COMPLETE WITH PLASTIC BODY AND BACKDRAFT DAMPER, GAUGE 20 GALVANIZED STEEL, ACOUSTICALLY INSULATED HOUSING.  CAPACITY : 136 CMH (80 CFM) @ 93 Pa SP FAN MOTOR : 1.1 AMPS, 120V, 1PH, 60Hz MAX.SONES : 2.0

TYPE JB4-90	
ROOM NUMBER	ROOM NAMES
1ST FLOOR	
100	ENTRANCE
101	STAIR
102	INTERIOR STORAGE
103	LIVING & DINING
104	KITCHEN
105	TOILET
106	FAMILY ROOM
107	LAUNDRY
108	EXTERIOR STORAGE
2ND FLOOR	
200	HALL
201	BEDROOM 1
202	MASTER'S BEDROOM
203	SHOWER ROOM
204	BATHROOM
205	BEDROOM 3
206	BEDROOM 2
207	STORAGE

GRAPHIC SCALE:



2 MODIFIED SECOND FLOOR HVAC PLAN (TYPE "JB4-90")  
SCALE 1/100

1 MODIFIED FIRST FLOOR HVAC PLAN (TYPE "JB4-90")  
SCALE 1/100

MECHANICAL EQUIPMENT SCHEDULE		
MARK	QTY	DESCRIPTION
KH 2	12	<b>KITCHEN RANGE HOOD</b> FACTORY FABRICATED RESIDENTIAL RANGE HOOD, UNDER CABINET MOUNTED, DUCTED TYPE COMPLETE WITH INCANDESCENT LIGHT ASSEMBLY, BACKDRAFT DAMPER, CENTRIFUGAL BLOWER WITH MULTI SPEED MOTOR, CONTROL AND WASHABLE ALUMINUM FILTER. COLOR TO BE APPROVED BY BASE HOUSING DEPARTMENT.
		DIMENSION : 750mm x 450mm FAN MOTOR : 2.0 AMPS, 120V, 1PH, 60Hz AIR FLOW RATE : 272 CMH TSP : 25 Pa MAX. SONES : 6.5
EF 2	36	<b>CEILING EXHAUST FAN</b> CEILING MOUNTED, CENTRIFUGAL TYPE, DIRECT DRIVE COMPLETE WITH PLASTIC BODY AND BACKDRAFT DAMPER, GAUGE 20 GALVANIZED STEEL, ACOUSTICALLY INSULATED HOUSING.
		CAPACITY : 136 CMH (80 CFM) @ 93 Pa SP FAN MOTOR : 1.1 AMPS, 120V, 1PH, 60Hz MAX.SONES : 2.0

TYPE JC3-90	
ROOM NUMBER	ROOM NAMES
1ST FLOOR	
100	ENTRANCE
101	STAIR
102	INTERIOR STORAGE
103	LIVING & DINING
104	PANTRY
105	KITCHEN
106	TOILET
107	LAUNDRY
108	FAMILY ROOM
109	EXTERIOR STORAGE
2ND FLOOR	
200	HALL
201	BEDROOM 1
202	BEDROOM 2
203	BATHROOM
204	MASTER'S BEDROOM
205	CLOSET
206	SHOWER ROOM

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SUBMITTAL  
95%

Date:  
14 FEB '17

REPAIR MFH, KINSEI HEIGHTS (97UN)  
CAMP KINSEI,  
OKINAWA, JAPAN  
NYJS 16-4540  
MECHANICAL  
MODIFIED HVAC PLAN (TYPE "JC3-90")

CONTRACT NUMBER

SHEET REFERENCE NO.

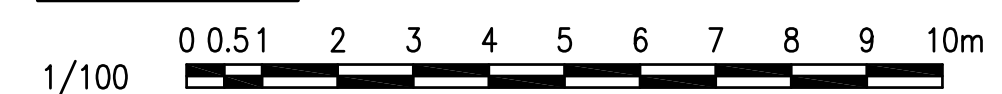
M-5

SHEET: 36 OF 82

2 MODIFIED SECOND FLOOR HVAC PLAN (TYPE "JC3-90")  
SCALE 1/100

1 MODIFIED FIRST FLOOR HVAC PLAN (TYPE "JC3-90")  
SCALE 1/100

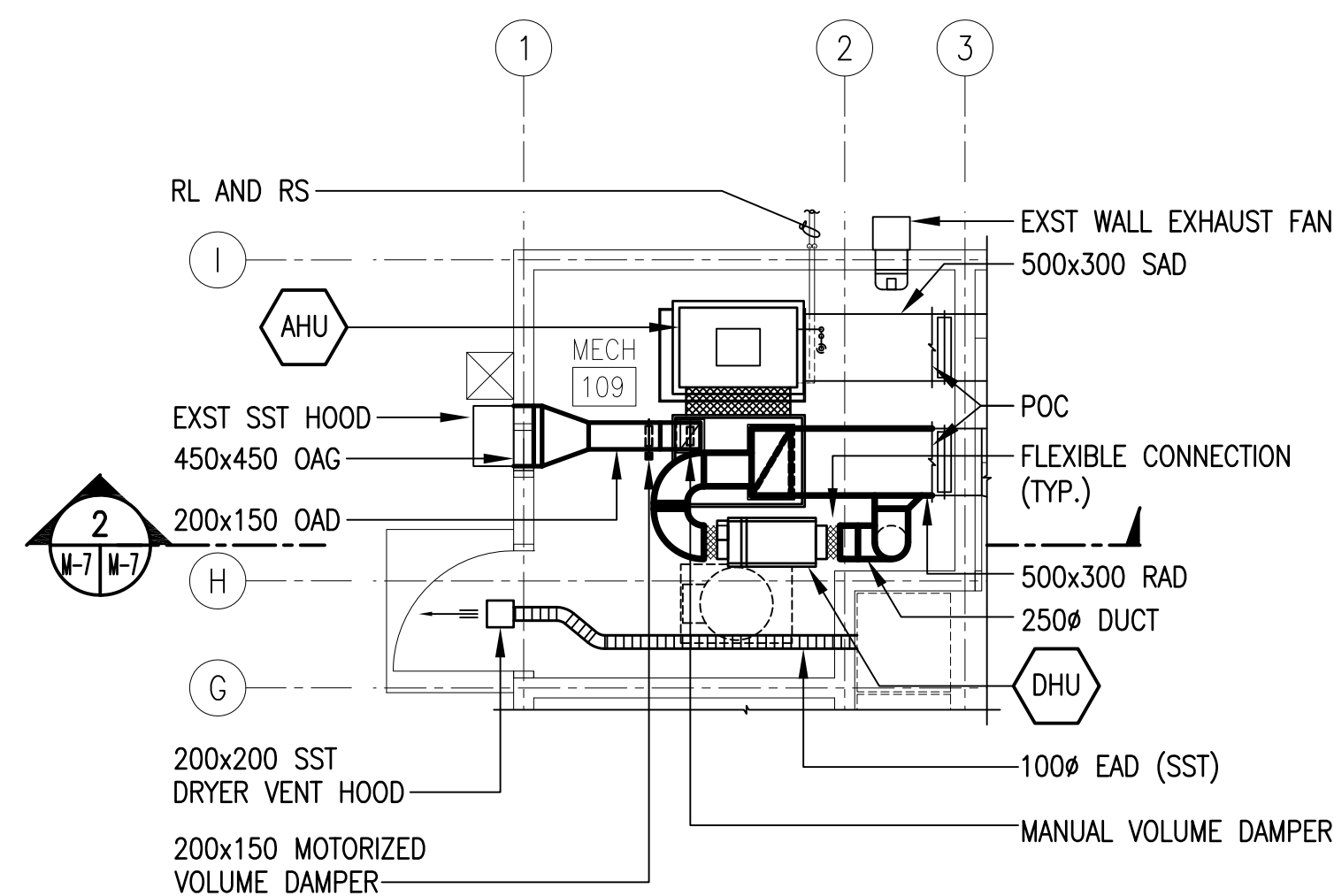
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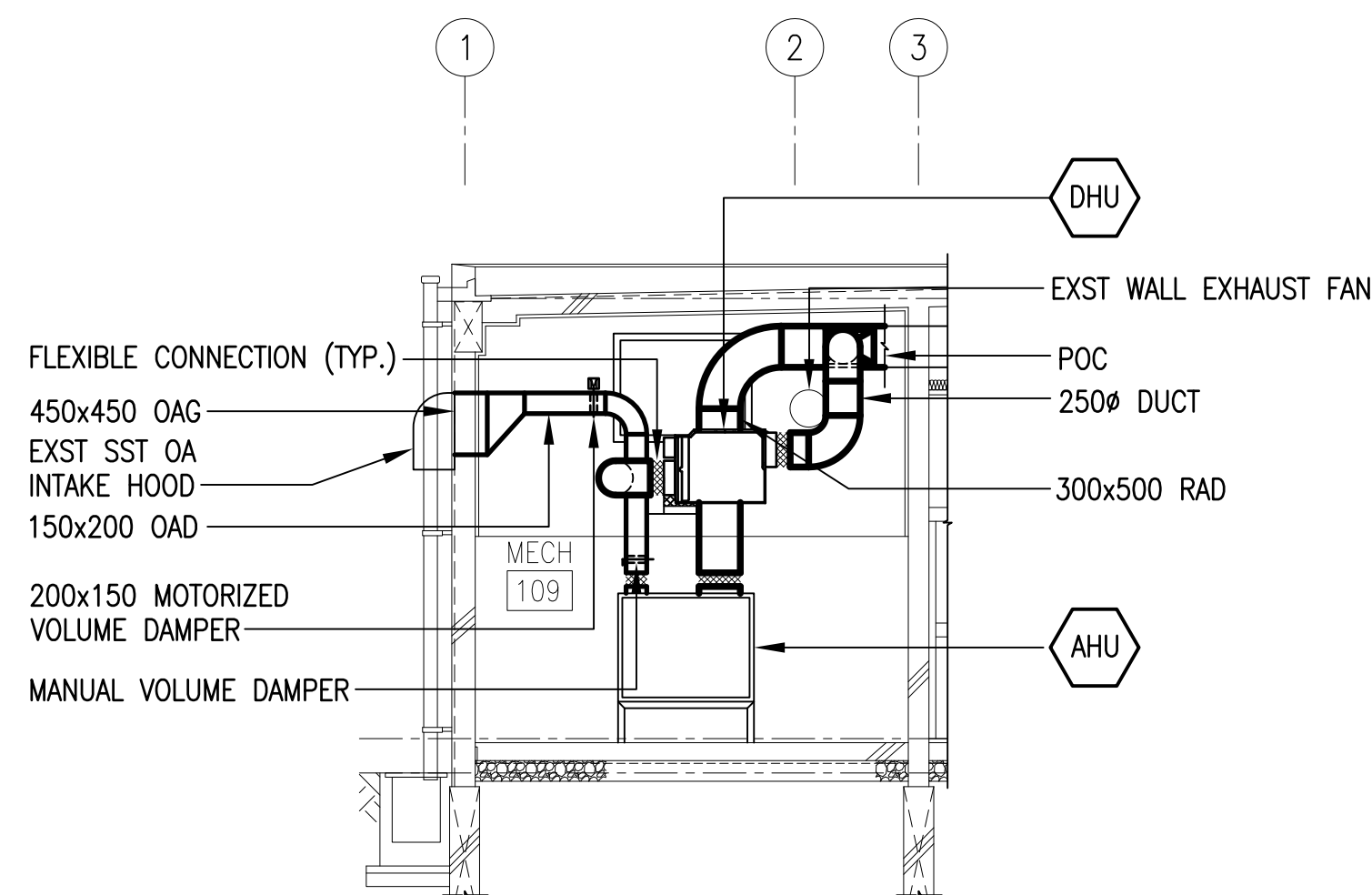
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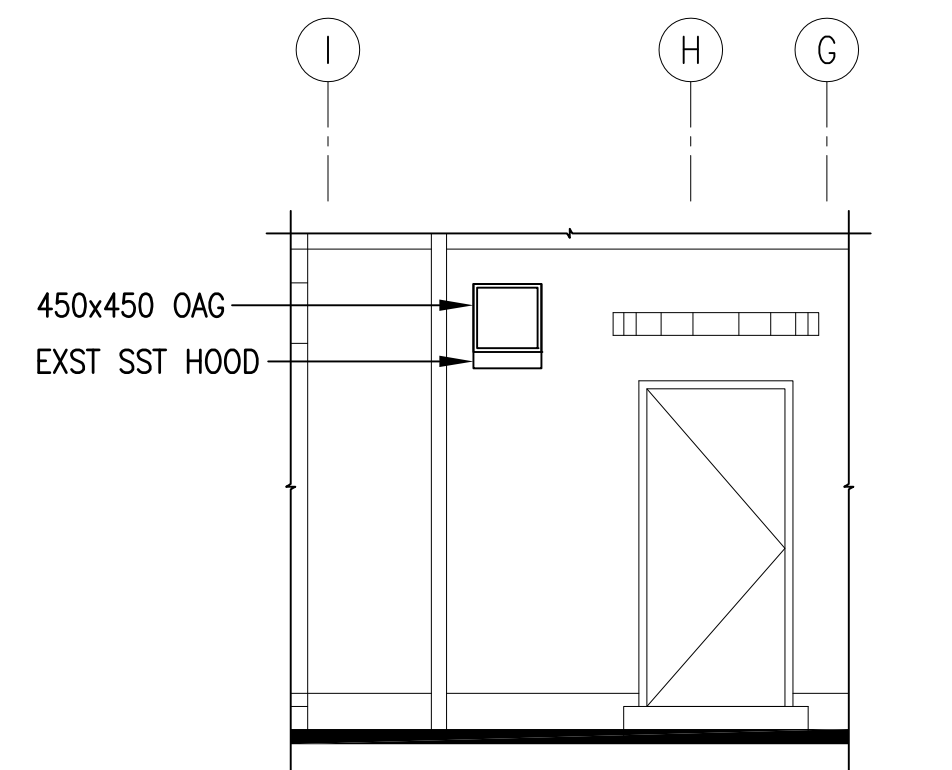




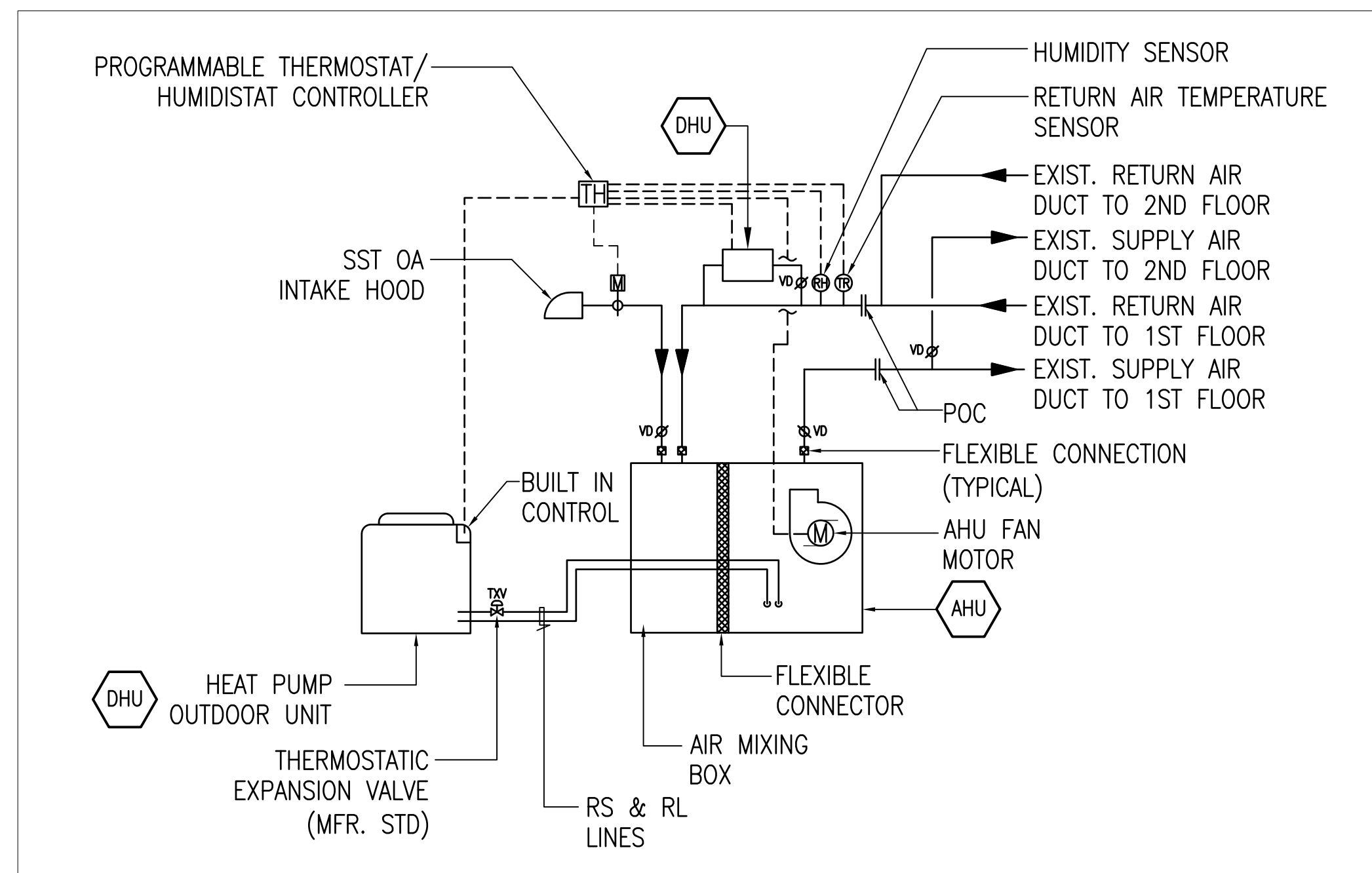
**1 MECHANICAL ROOM ENLARGED HVAC PLAN**  
SCALE 1/50



**2 SECTION**  
SCALE 1/50



**3 ELEVATION**  
SCALE 1/50



**4 SCHEMATIC CONTROL DIAGRAM**  
SCALE NTS

#### SEQUENCE OF OPERATIONS:

##### COOLING & DEHUMIDIFICATION:

1. SWITCH "ON" TO START OR OPERATE THE (HPU), (AHU), & (DHU) AT THE PROGRAMMABLE THERMOSTAT CONTROLLER. SET THE PROGRAMMABLE THERMOSTAT CONTROLLER INTO COOLING MODE.
2. SET THE PROGRAMMABLE THERMOSTAT CONTROLLER INTO AUTOMATIC OPERATION TO MAINTAIN THE ROOM/SPACE TEMPERATURE OF 24°C (75°F) AT 50% RELATIVE HUMIDITY.
3. SET THE RETURN AIR TEMPERATURE AT 24°C (75°F) AND 50% RH THRU THE PROGRAMMABLE THERMOSTAT CONTROLLER.
4. WHEN THE RETURN AIR DUCT TEMPERATURE IS ABOVE OR HIGHER THAT 24°C (75°F) AS SENSED BY THE DUCT MOUNTED TEMPERATURE SENSOR, THE PROGRAMMABLE THERMOSTAT CONTROLLER SHALL SEND SIGNAL TO THE OUTDOOR HEAT PUMP UNIT BUILT-IN CONTROLLER TO OPEN THERMOSTAT EXPANSION VALVE AND RUN THE COMPRESSOR AT FULL LOAD CONTINUOUSLY TO MAINTAIN THE SYSTEM RETURN AIR TEMPERATURE OF 24°C (75°F).

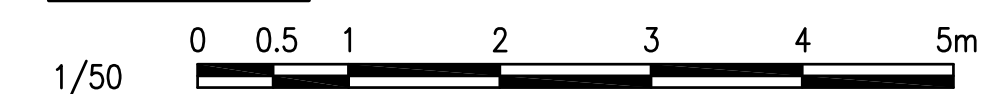
##### HEATING:

1. SWITCH "ON" TO START OR OPERATE THE (HPU), (AHU), & (DHU) AT THE PROGRAMMABLE THERMOSTAT CONTROLLER. SET THE PROGRAMMABLE THERMOSTAT CONTROLLER INTO HEATING MODE.
2. SET THE PROGRAMMABLE THERMOSTAT CONTROLLER INTO AUTOMATIC OPERATION TO MAINTAIN THE ROOM/SPACE TEMPERATURE OF 21°C (70°F).
3. SET THE RETURN AIR TEMPERATURE AT 21°C (70°F) THRU THE PROGRAMMABLE THERMOSTAT CONTROLLER.
4. WHEN THE RETURN AIR DUCT TEMPERATURE IS ABOVE OR HIGHER THAT 21°C (70°F) AS SENSED BY THE DUCT MOUNTED TEMPERATURE SENSOR, THE PROGRAMMABLE THERMOSTAT CONTROLLER SHALL SEND SIGNAL TO THE OUTDOOR HEAT PUMP UNIT BUILT-IN CONTROLLER TO A REVERSE CYCLE TO MAINTAIN THE SYSTEM SET RETURN AIR TEMPERATURE OF 21°C (70°F).
5. WHEN THE RETURN AIR TEMPERATURE OF 21°C (70°F) IS SATISFIED AS SENSED BY THE RETURN AIR TEMPERATURE SENSOR, THE PROGRAMMABLE THERMOSTAT CONTROLLER SHALL SEND SIGNAL TO THE BUILT-IN CONTROL OF HEAT PUMP OUTDOOR TO STOP OR RUN THE UNIT AT PART LOAD TO MAINTAIN THE SYSTEM RETURN AIR TEMPERATURE OF 21°C (70°F).

##### EMERGENCY OPERATION (ANTI-TERRORISM & FORCE PROTECTION):

1. EMERGENCY SHUTDOWN SHALL BE THRU MANUAL ACTIVATION OF THE PROGRAMMABLE THERMOSTAT CONTROLLER, THE OUTDOOR HEAT PUMP AND AIR HANDLING UNIT SHALL STOP & CLOSE THE MOTORIZED OUTSIDE AIR DAMPER.

#### GRAPHIC SCALE:







Date	Revision	Mark

Date	Revision	Mark

Submitted by  
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SUBMITTAL  
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Date:  
14 FEB '17

REPAIR MFH, KINSEI HEIGHTS (97UN)  
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OKINAWA, JAPAN  
NYJS 16-4540  
PLUMBING  
EXST/REMOVAL PLUMBING PLAN (TYPE "JB4-90")  
SCOPE OF WORKS, GENERAL NOTES, LEGEND AND ABBREVIATIONS

CONTRACT NUMBER  
SHEET REFERENCE NO.  
P-1  
SHEET: 40 OF 82

## SCOPE OF WORK (PLUMBING):

### REMOVAL WORKS:

- REMOVE ALL EXISTING KITCHEN SINKS WITH DISPOSER, WATER CLOSETS, LAVATORIES, BATHTUBS AND SHOWER SUPPLY FITTINGS IN THE BATHROOMS AND REPLACE WITH NEW ONES.
- REMOVE AND REPLACE EXISTING HOSE BIBBS.

### NEW WORKS:


- PROVIDE NEW FLOOR MOUNTED FLUSH TANK WATER CLOSETS, WATER SAVING TYPE MAXIMUM OF 1.6 GALLONS PER FLUSH.
- PROVIDE NEW COUNTERTOP WITH INTEGRAL BOWL BY ARCHITECTURAL. PROVIDE CENTER SET SINGLE LEVER FAUCETS AND POP UP DRAIN.
- PROVIDE NEW COUNTERTOP KITCHEN SINK WITH TWO COMPARTMENTS INCLUDING GARBAGE DISPOSER AND SINGLE LEVER FAUCET WITH SPRAY.
- PROVIDE NEW PORCELAIN ENAMELED STEEL BATHTUB AND SINGLE LEVER SHOWER SUPPLY FITTINGS IN THE BATHROOMS.
- PROVIDE NEW HOSE BIBBS AT THE FRONT AND REAR OF HOUSING UNIT AND AT THE TERRACE.

### PLUMBING GENERAL NOTES

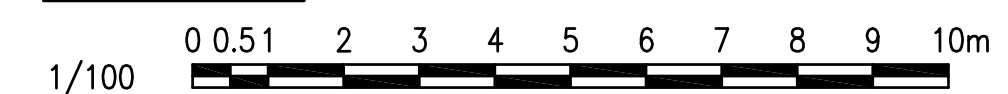
- PROVIDE WORKING SPACE AROUND ALL EQUIPMENT. PROVIDE CONCRETE PADS UNDER ALL EQUIPMENT. PROVIDE ALL REQUIRED FITTINGS, CONNECTIONS AND ACCESSORIES REQUIRED FOR A COMPLETE AND USABLE SYSTEM. ALL EQUIPMENT SHALL BE INSTALLED PER THE CRITERIA OF PTS SECTION D20 AND THE MANUFACTURER'S RECOMMENDATIONS. DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH AIR FORCE FAMILY HOUSING GUIDE, IPC AND UFC 3-420-01, PLUMBING SYSTEMS (OCT 2004). WHERE THE WORD "SHOULD" IS USED IN THE MANUFACTURER'S RECOMMENDATIONS, SUBSTITUTE THE WORD "MUST".

TYPE JB4-90	
ROOM NUMBER	ROOM NAMES
1ST FLOOR	
100	ENTRANCE
101	STAIR
102	INTERIOR STORAGE
103	LIVING & DINING
104	KITCHEN
105	TOILET
106	FAMILY ROOM
107	LAUNDRY
108	EXTERIOR STORAGE
2ND FLOOR	
200	HALL
201	BEDROOM 1
202	MASTER'S BEDROOM
203	SHOWER ROOM
204	BATHROOM
205	BEDROOM 3
206	BEDROOM 2
207	STORAGE

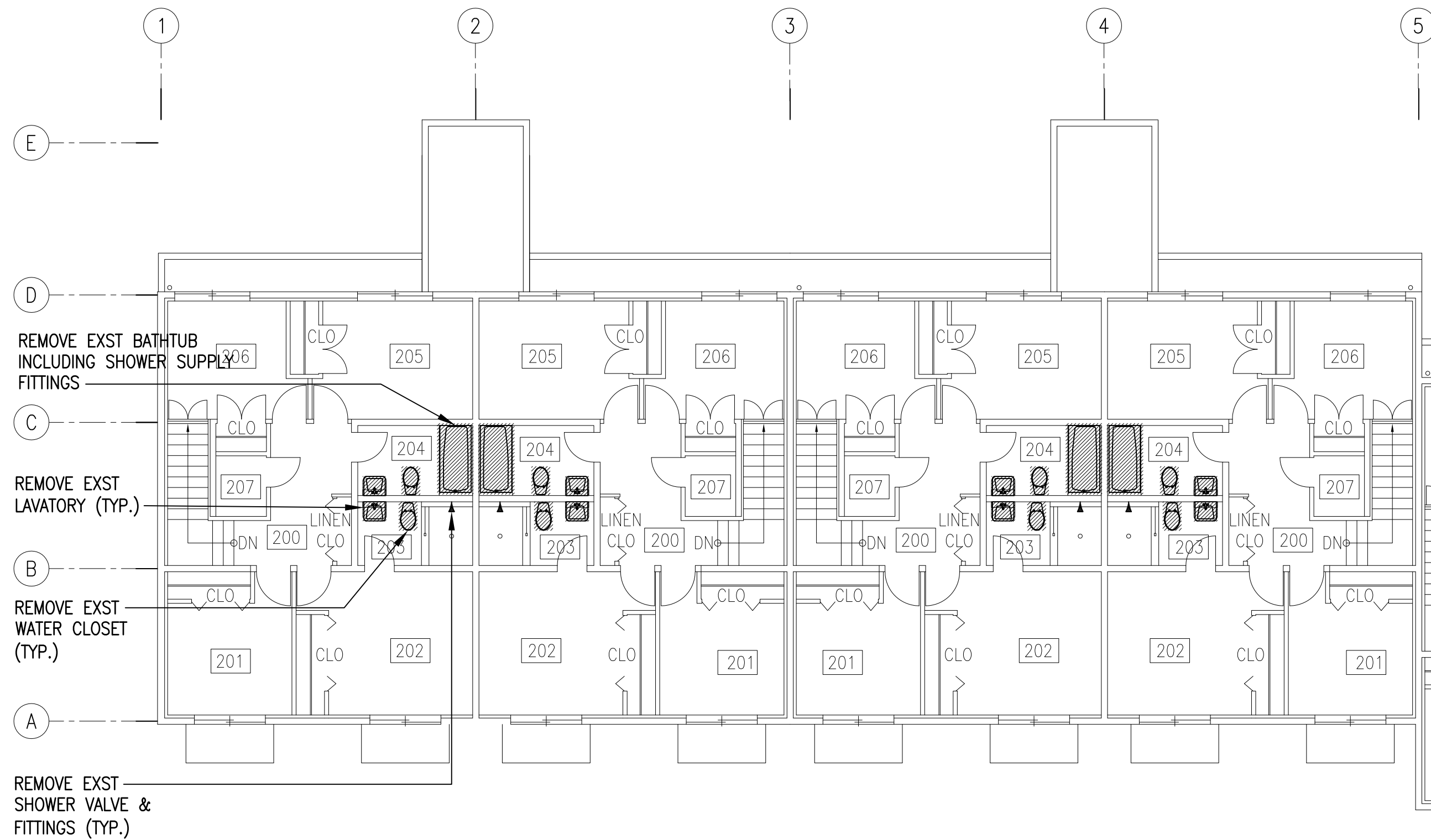
### LEGEND, SYMBOLS AND ABBREVIATIONS

	REMOVAL WORKS
EXST	EXISTING
TYP	TYPICAL

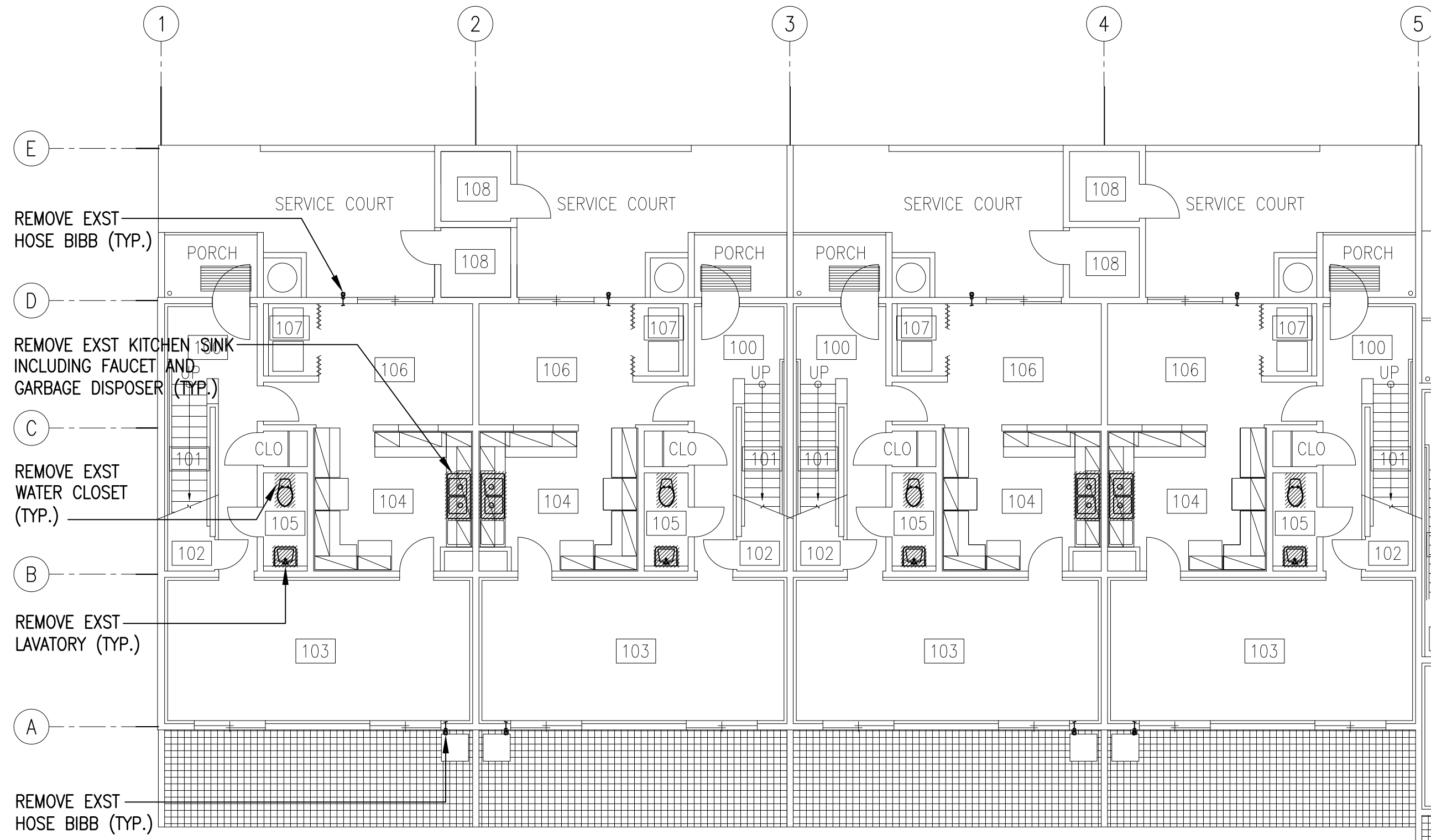
### GRAPHIC SCALE:



2 EXST/REMOVAL SECOND FLOOR PLUMBING PLAN (TYPE "JB4-90")  
SCALE 1/100



1 EXST/REMOVAL FIRST FLOOR PLUMBING PLAN (TYPE "JB4-90")  
SCALE 1/100





Rev.	Date	Mark

Rev.	Date	Mark

Submitted by  
MIRAIT TECHNOLOGIES CORPORATION  
3-3-15 Edobori Nishi-ku, Osaka-shi 550-0002 Japan  
Tel: 06-6446-9404 Fax: 06-6446-0539

SUBMITTAL  
95%

Date: 14 FEB '17

REPAIR MFH, KINSEI HEIGHTS (97UN)  
CAMP KINSEI, OKINAWA, JAPAN  
NYJS 16-4540  
PLUMBING  
EXST/REMOVAL PLUMBING PLAN TYPE "JC3-90"  
SCOPE OF WORKS, GENERAL NOTES, LEGEND AND ABBREVIATIONS

CONTRACT NUMBER  
SHEET REFERENCE NO.  
P-2  
SHEET: 41 OF 82

# SCOPE OF WORK (PLUMBING):

## REMOVAL WORKS:

1. REMOVE ALL EXISTING KITCHEN SINKS WITH DISPOSER, WATER CLOSETS, LAVATORIES, BATHTUBS AND SHOWER SUPPLY FITTINGS IN THE BATHROOMS AND REPLACE WITH NEW ONES.
2. REMOVE AND REPLACE EXISTING HOSE BIBBS.

## NEW WORKS:


1. PROVIDE NEW FLOOR MOUNTED FLUSH TANK WATER CLOSETS, WATER SAVING TYPE MAXIMUM OF 1.6 GALLONS PER FLUSH.
2. PROVIDE NEW COUNTERTOP WITH INTEGRAL BOWL BY ARCHITECTURAL. PROVIDE CENTER SET SINGLE LEVER FAUCETS AND POP UP DRAIN.
3. PROVIDE NEW COUNTERTOP KITCHEN SINK WITH TWO COMPARTMENTS INCLUDING GARBAGE DISPOSER AND SINGLE LEVER FAUCET WITH SPRAY.
4. PROVIDE NEW PORCELAIN ENAMELED STEEL BATHTUB AND SINGLE LEVER SHOWER SUPPLY FITTINGS IN THE BATHROOMS.
5. PROVIDE NEW HOSE BIBBS AT THE FRONT AND REAR OF HOUSING UNIT AND AT THE TERRACE.

## PLUMBING GENERAL NOTES

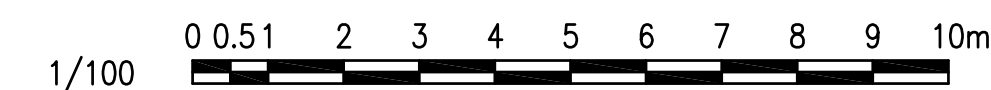
1. PROVIDE WORKING SPACE AROUND ALL EQUIPMENT. PROVIDE CONCRETE PADS UNDER ALL EQUIPMENT. PROVIDE ALL REQUIRED FITTINGS, CONNECTIONS AND ACCESSORIES REQUIRED FOR A COMPLETE AND USABLE SYSTEM. ALL EQUIPMENT SHALL BE INSTALLED PER THE CRITERIA OF PTS SECTION D20 AND THE MANUFACTURER'S RECOMMENDATIONS. DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH AIR FORCE FAMILY HOUSING GUIDE, IPC AND UFC 3-420-01, PLUMBING SYSTEMS (OCT 2004). WHERE THE WORD "SHOULD" IS USED IN THE MANUFACTURER'S RECOMMENDATIONS, SUBSTITUTE THE WORD "MUST".

TYPE JC3-90	
ROOM NUMBER	ROOM NAMES
1ST FLOOR	
100	ENTRANCE
101	STAIR
102	INTERIOR STORAGE
103	LIVING & DINING
104	PANTRY
105	KITCHEN
106	TOILET
107	LAUNDRY
108	FAMILY ROOM
109	EXTERIOR STORAGE
2ND FLOOR	
200	HALL
201	BEDROOM 1
202	BEDROOM 2
203	BATHROOM
204	MASTER'S BEDROOM
205	CLOSET
206	SHOWER ROOM

## LEGEND, SYMBOLS AND ABBREVIATIONS

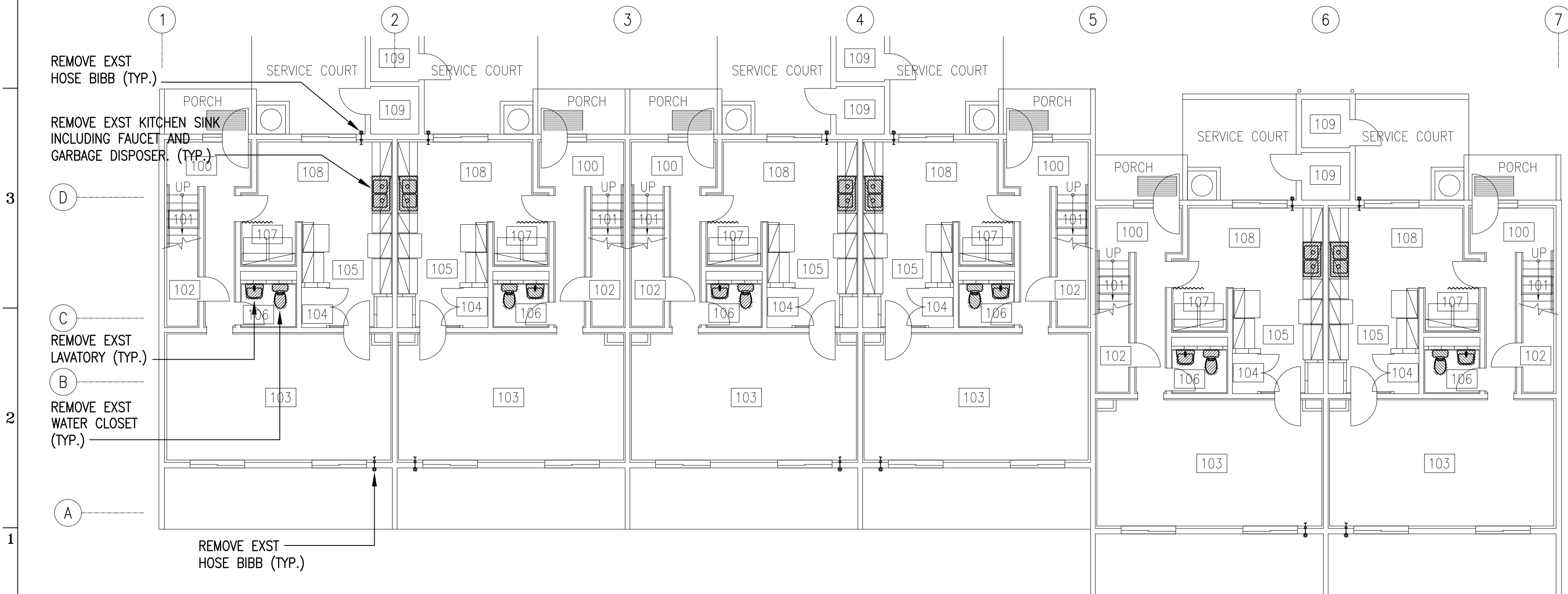
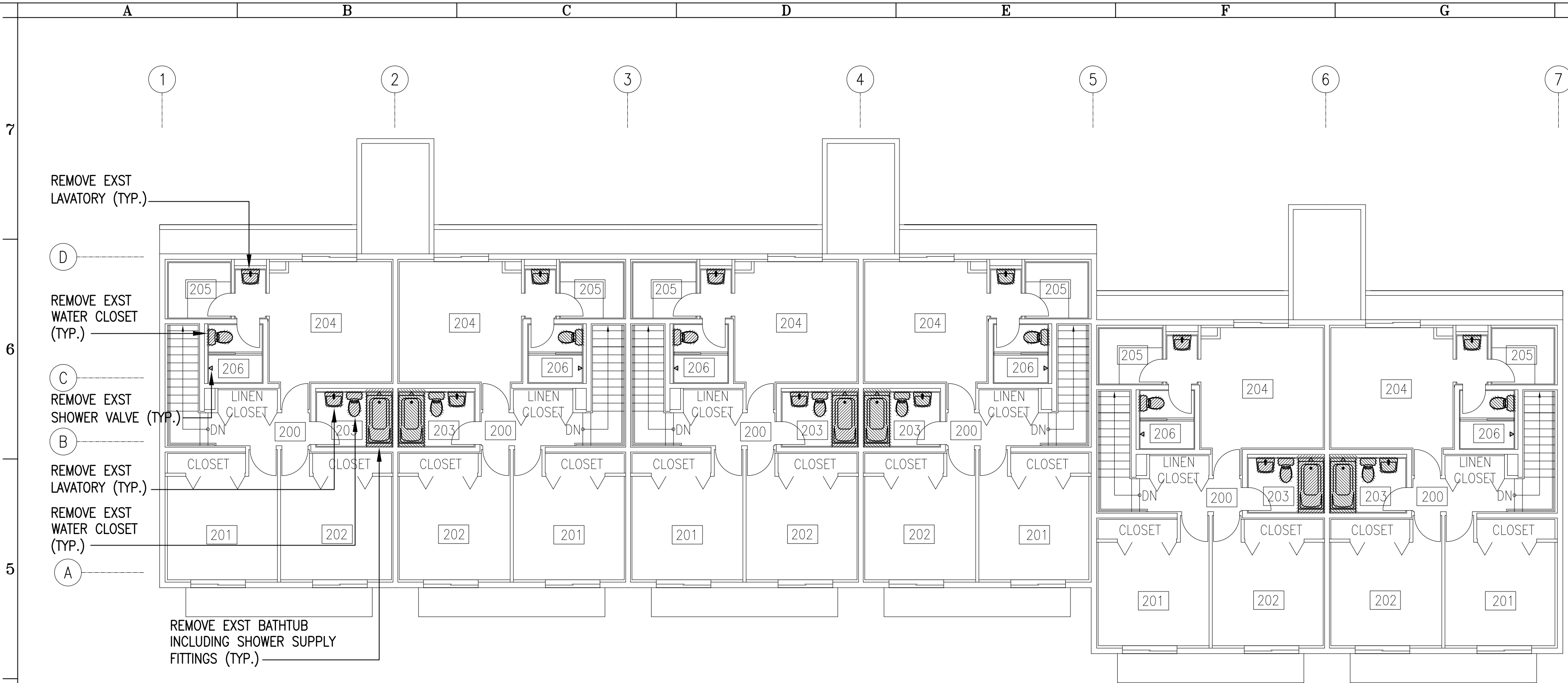
	REMOVAL WORKS
EXST	EXISTING
TYP	TYPICAL

## GRAPHIC SCALE:



2 EXST/REMOVAL SECOND FLOOR PLUMBING PLAN (TYPE "JC3-90")  
P-2P-2 SCALE 1/100

1 EXST/REMOVAL FIRST FLOOR PLUMBING PLAN (TYPE "JC3-90")  
P-2P-2 SCALE 1/100



Rev.	Mark	Revision	Date

Rev.	Mark	Revision	Date

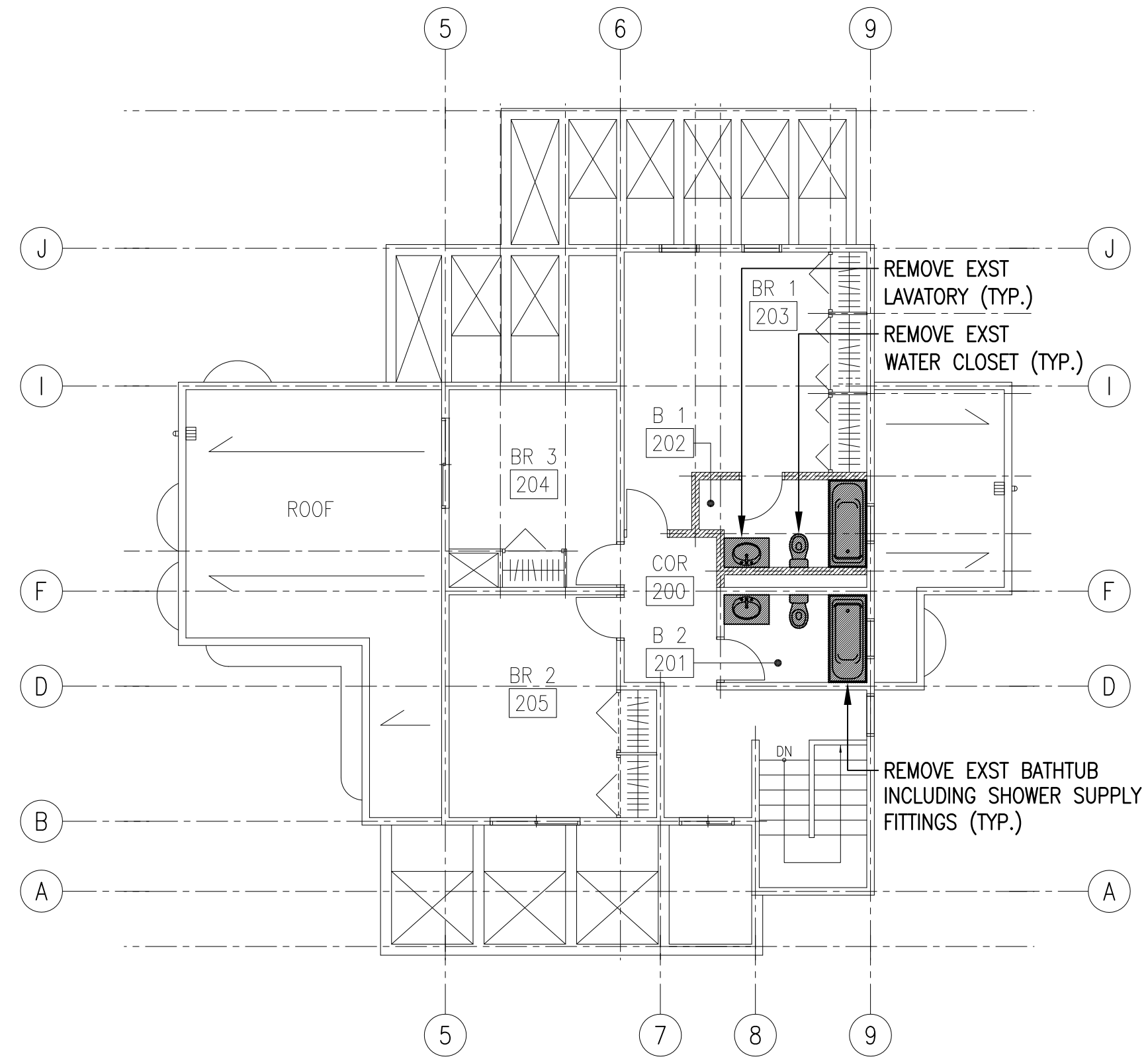
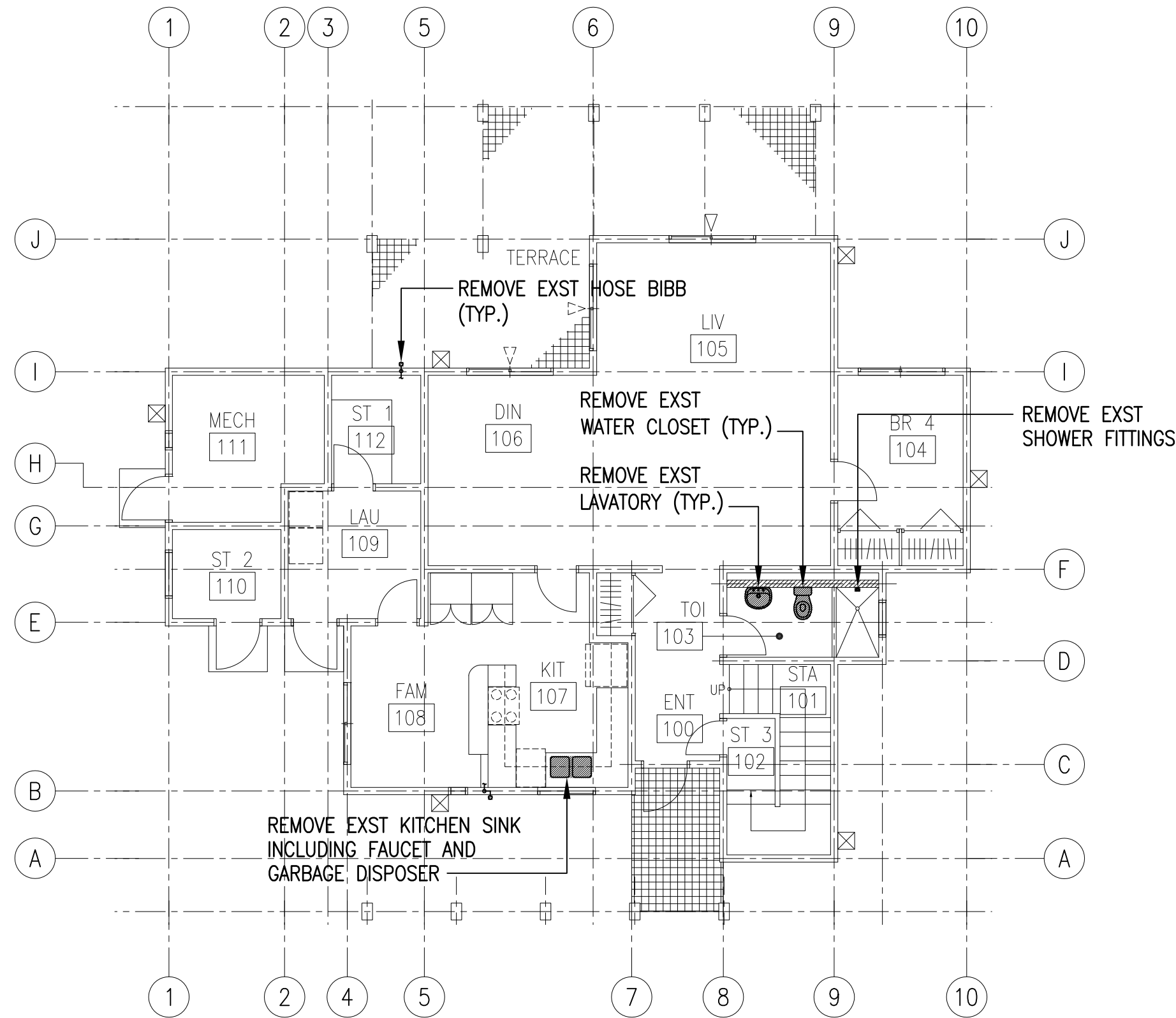
Submitted by:  
MIRAIT TECHNOLOGIES CORPORATION  
3-3-15 Edobori Nishi-ku, Osaka-shi 550-0002 Japan  
Tel: 06-6446-9404 Fax: 06-6446-0539

SUBMITTAL  
95%

Date:  
14 FEB '17

REPAIR MFH, KINSEI HEIGHTS (97UN)  
CAMP KINSEI,  
NYJS 16-4540  
OKINAWA, JAPAN  
EXST/REMOVAL PLUMBING  
SCOPE OF WORKS, GENERAL NOTES, LEGEND AND ABBREVIATIONS

CONTRACT NUMBER  
SHEET REFERENCE NO.  
P-3  
SHEET: 42 OF 82



1 EXST/REMOVAL FIRST FLOOR PLUMBING PLAN (TYPE "SQK4-95")  
P-3P-3 SCALE 1/100

2 EXST/REMOVAL SECOND FLOOR PLUMBING PLAN (TYPE "SQK4-95")  
P-3P-3 SCALE 1/100

#### SCOPE OF WORK (PLUMBING):

##### REMOVAL WORKS:

1. REMOVE ALL EXISTING KITCHEN SINKS WITH DISPOSER, WATER CLOSETS, LAVATORIES, BATHTUBS AND SHOWER SUPPLY FITTINGS IN THE BATHROOMS AND REPLACE WITH NEW ONES.
2. REMOVE AND REPLACE EXISTING HOSE BIBBS.

##### NEW WORKS:

1. PROVIDE NEW FLOOR MOUNTED FLUSH TANK WATER CLOSETS, WATER SAVING TYPE MAXIMUM OF 1.6 GALLONS PER FLUSH.
2. PROVIDE NEW COUNTERTOP WITH INTEGRAL BOWL BY ARCHITECTURAL. PROVIDE CENTER SET SINGLE LEVER FAUCETS AND POP UP DRAIN.
3. PROVIDE NEW COUNTERTOP KITCHEN SINK WITH TWO COMPARTMENTS INCLUDING GARBAGE DISPOSER AND SINGLE LEVER FAUCET WITH SPRAY.
4. PROVIDE NEW PORCELAIN ENAMELED STEEL BATHTUB AND SINGLE LEVER SHOWER SUPPLY FITTINGS IN THE BATHROOMS.
5. PROVIDE NEW HOSE BIBBS AT THE FRONT AND REAR OF HOUSING UNIT AND AT THE TERRACE.
6. PROVIDE NEW SHOWER SUPPLY FITTINGS INCLUDING SHOWER HEADS AND MIXING VALVES IN BATHROOMS.

##### PLUMBING GENERAL NOTES

1. PROVIDE WORKING SPACE AROUND ALL EQUIPMENT. PROVIDE CONCRETE PADS UNDER ALL EQUIPMENT. PROVIDE ALL REQUIRED FITTINGS, CONNECTIONS AND ACCESSORIES REQUIRED FOR A COMPLETE AND USABLE SYSTEM. ALL EQUIPMENT SHALL BE INSTALLED PER THE CRITERIA OF PTS SECTION D20 AND THE MANUFACTURER'S RECOMMENDATIONS. DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH AIR FORCE FAMILY HOUSING GUIDE, IPC AND UFC 3-420-01, PLUMBING SYSTEMS (OCT 2004). WHERE THE WORD "SHOULD" IS USED IN THE MANUFACTURER'S RECOMMENDATIONS, SUBSTITUTE THE WORD "MUST".

##### LEGEND, SYMBOLS AND ABBREVIATIONS

REMOVAL WORKS  
EXISTING EXST  
TYPICAL TYP

TYPE SQK4-95			
ROOM NUMBER	ROOM NAMES	ROOM NUMBER	ROOM NAMES
1ST FLOOR		2ND FLOOR	
100	ENTRANCE & HALLWAY	200	CORRIDOR
101	STAIR	201	BATHROOM 2
102	INTERIOR STORAGE	202	BATHROOM 1
103	TOILET	203	BEDROOM 1
104	BEDROOM 4	204	BEDROOM 3
105	LIVING ROOM	205	BEDROOM 2
106	DINING ROOM		
107	KITCHEN		
108	FAMILY ROOM		
109	LAUNDRY		
110	EXTERIOR STORAGE		
111	MECH ROOM		
112	STORAGE		

##### GRAPHIC SCALE:

1/100 0 0.51 2 3 4 5 6 7 8 9 10m





Date
Revision
Mark

Date
Revision
Mark

Submitted by  
MIRAIT TECHNOLOGIES CORPORATION  
3-3-15 Edobori Nishi-ku, Osaka-shi 550-0002 Japan  
Tel: 06-6446-9404 Fax: 06-6446-0539

SUBMITTAL  
95%

Date:  
14 FEB '17

REPAIR MFH, KINSER HEIGHTS (97UN)  
OKINAWA, JAPAN  
NYJS 16-4540  
PLUMBING  
MODIFIED PLUMBING PLAN (TYPE "JB4-90")  
CAMP KINSER,

CONTRACT NUMBER  
SHEET REFERENCE NO.  
P-4  
SHEET 43 OF 82

MECHANICAL EQUIPMENT SCHEDULE		
MARK	QTY	DESCRIPTION
GD 1	84	<b>GARBAGE DISPOSER</b> CONTINUOUS FEED TYPE, POLISHED STAINLESS STEEL SINK DRAIN MOUNTING, GALVANIZED STEEL GRINDING ELEMENTS WITH TWO STAINLESS STEEL 360° SWIVEL LUGS.  CAPACITY : 0.56 kW, 120 V, 1 PH, 60 Hz SIZE : 160mmø x 321mm HEIGHT

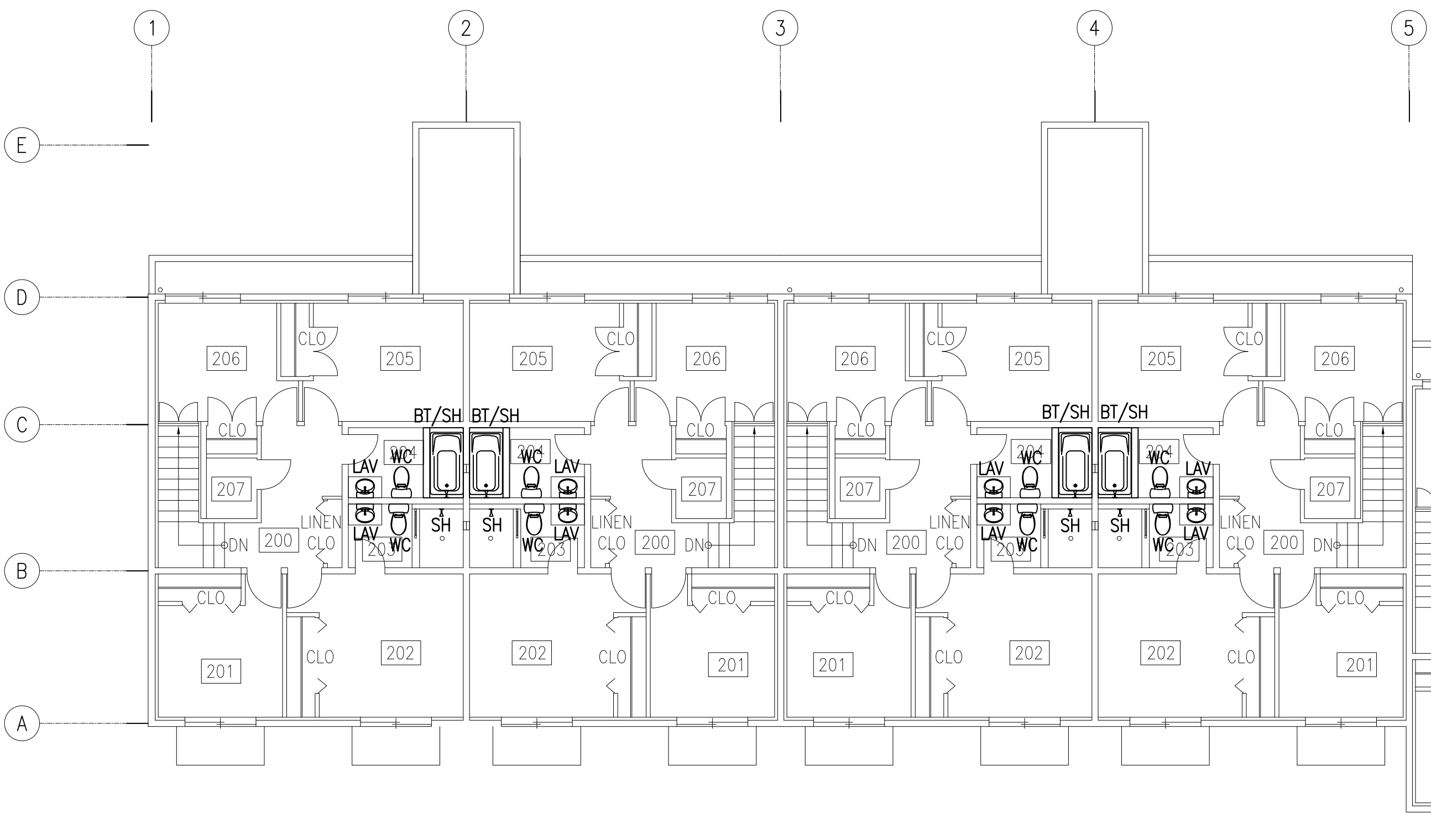
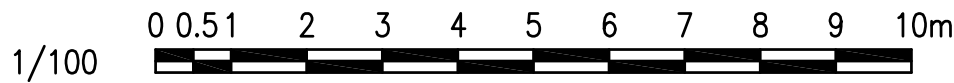
PLUMBING FIXTURE SCHEDULE							
MARK	DESCRIPTION	QTY	CW	HW	SEWER	VENT	REMARKS
WC	WATER CLOSET	252	20	—	75	50	FLOOR MOUNTED FLUSH TANK WATER CLOSETS
LAV	LAVATORY	252	20	20	40	50	WITH CENTER SET SINGLE LEVER FAUCETS AND POP UP DRAIN
SH	SHOWER HEAD	84	20	20	50	50	SINGLE LEVER SHOWER SUPPLY FITTINGS
BT/SH	BATHTUB WITH SHOWER HEAD	84	20	20	50	50	PORCELAIN ENAMELED STEEL BATHTUB DIM: 1,524 X 762 X 422
KS	KITCHEN SINK	84	20	20	50	40	COUNTERTOP KITCHEN SINK WITH TWO COMPARTMENTS INCLUDING GARBAGE DISPOSER AND SINGLE LEVER FAUCET WITH SPRAY.
HB	HOSE BIBB	168	20	—	—	—	

NOTES

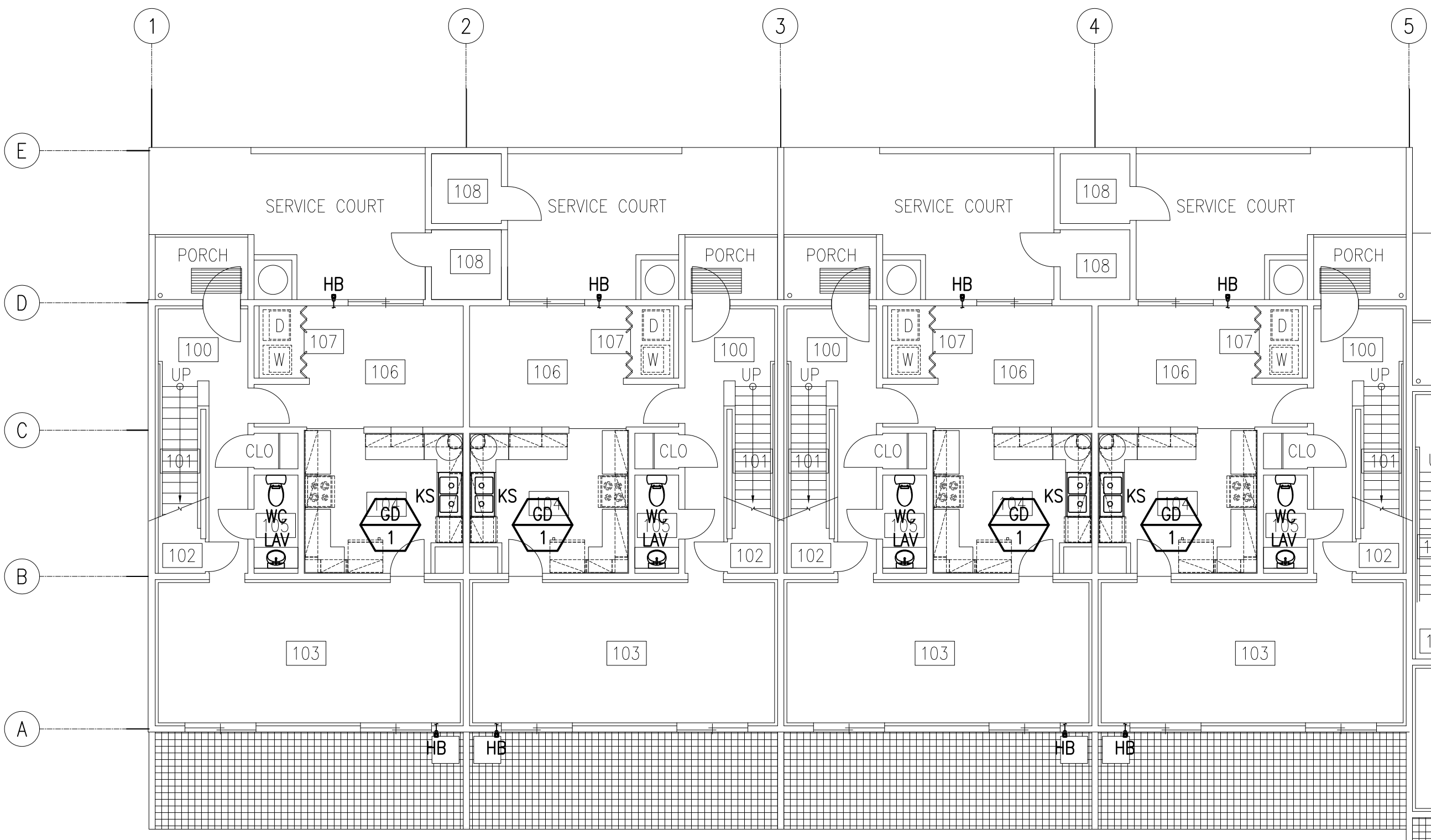
1. ALL FLOOR, WALL, AND CEILING FINISHES EXCLUDED IN THE ARCHITECTURAL SCOPE OF WORK AND AFFECTED BY THE REPLACEMENT OF PLUMBING SYSTEMS SHALL BE REPLACED WITH NEW.

TYPE JB4-90	
ROOM NUMBER	ROOM NAMES
1ST FLOOR	
100	ENTRANCE
101	STAIR
102	INTERIOR STORAGE
103	LIVING & DINING
104	KITCHEN
105	TOILET
106	FAMILY ROOM
107	LAUNDRY
108	EXTERIOR STORAGE
2ND FLOOR	
200	HALL
201	BEDROOM 1
202	MASTER'S BEDROOM
203	SHOWER ROOM
204	BATHROOM
205	BEDROOM 3
206	BEDROOM 2
207	STORAGE

GRAPHIC SCALE:



2 MODIFIED SECOND FLOOR PLUMBING PLAN (TYPE "JB4-90")  
P-4P-4 SCALE 1/100



1 MODIFIED FIRST FLOOR PLUMBING PLAN (TYPE "JB4-90")  
P-4P-4 SCALE 1/100

Mark	Revision	Date

Mark	Revision	Date

Submitted by  
MIRAIT TECHNOLOGIES CORPORATION  
3-3-15 Edobori Nishi-ku, Osaka-shi 550-0002 Japan  
Tel: 06-6446-9404 Fax: 06-6446-0539

SUBMITTAL  
95%

Date:  
14 FEB '17

REPAIR MFH, KINSEI HEIGHTS (97UN)  
CAMP KINSEI,  
OKINAWA, JAPAN  
NYJS 16-4540  
PLUMBING  
MODIFIED PLUMBING PLAN (TYPE "JC3-90")

CONTRACT NUMBER  
SHEET REFERENCE NO.  
P-5  
SHEET: 44 OF 82

## MECHANICAL EQUIPMENT SCHEDULE

MARK	QTY	DESCRIPTION
GD 2	12	<b>GARBAGE DISPOSER</b> CONTINUOUS FEED TYPE, POLISHED STAINLESS STEEL SINK DRAIN MOUNTING, GALVANIZED STEEL GRINDING ELEMENTS WITH TWO STAINLESS STEEL 360° SWIVEL LUGS.  CAPACITY : 0.56 kW, 120 V, 1 PH, 60 Hz SIZE : 160mmø x 321mm HEIGHT

## PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	QTY	CW	HW	SEWER	VENT	REMARKS
WC	WATER CLOSET	36	20	-	75	40	FLOOR MOUNTED FLUSH TANK WATER CLOSETS
LAV	LAVATORY	36	20	20	40	40	WITH CENTER SET SINGLE LEVER FAUCETS AND POP UP DRAIN
SH	SHOWER HEAD	12	20	20	50	40	SINGLE LEVER SHOWER SUPPLY FITTINGS
BT/SH	BATHTUB WITH SHOWER HEAD	12	20	20	50	40	PORCELAIN ENAMELED STEEL BATHTUB DIM: 1,524 X 762 X 422
KS	KITCHEN SINK	12	20	20	50	40	COUNTERTOP KITCHEN SINK WITH TWO COMPARTMENTS INCLUDING GARBAGE DISPOSER AND SINGLE LEVER FAUCET WITH SPRAY.
HB	HOSE BIBB	24	20	-	-	-	

## NOTES

- ALL FLOOR, WALL, AND CEILING FINISHES EXCLUDED IN THE ARCHITECTURAL SCOPE OF WORK AND AFFECTED BY THE REPLACEMENT OF PLUMBING SYSTEMS SHALL BE REPLACED WITH NEW.

## TYPE JC3-90

ROOM NUMBER	ROOM NAMES	ROOM NUMBER	ROOM NAMES
1ST FLOOR		2ND FLOOR	
100	ENTRANCE	200	HALL
101	STAIR	201	BEDROOM 1
102	INTERIOR STORAGE	202	BEDROOM 2
103	LIVING & DINING	203	BATHROOM
104	PANTRY	204	MASTER'S BEDROOM
105	KITCHEN	205	CLOSET
106	TOILET	206	SHOWER ROOM
107	LAUNDRY		
108	FAMILY ROOM		
109	EXTERIOR STORAGE		

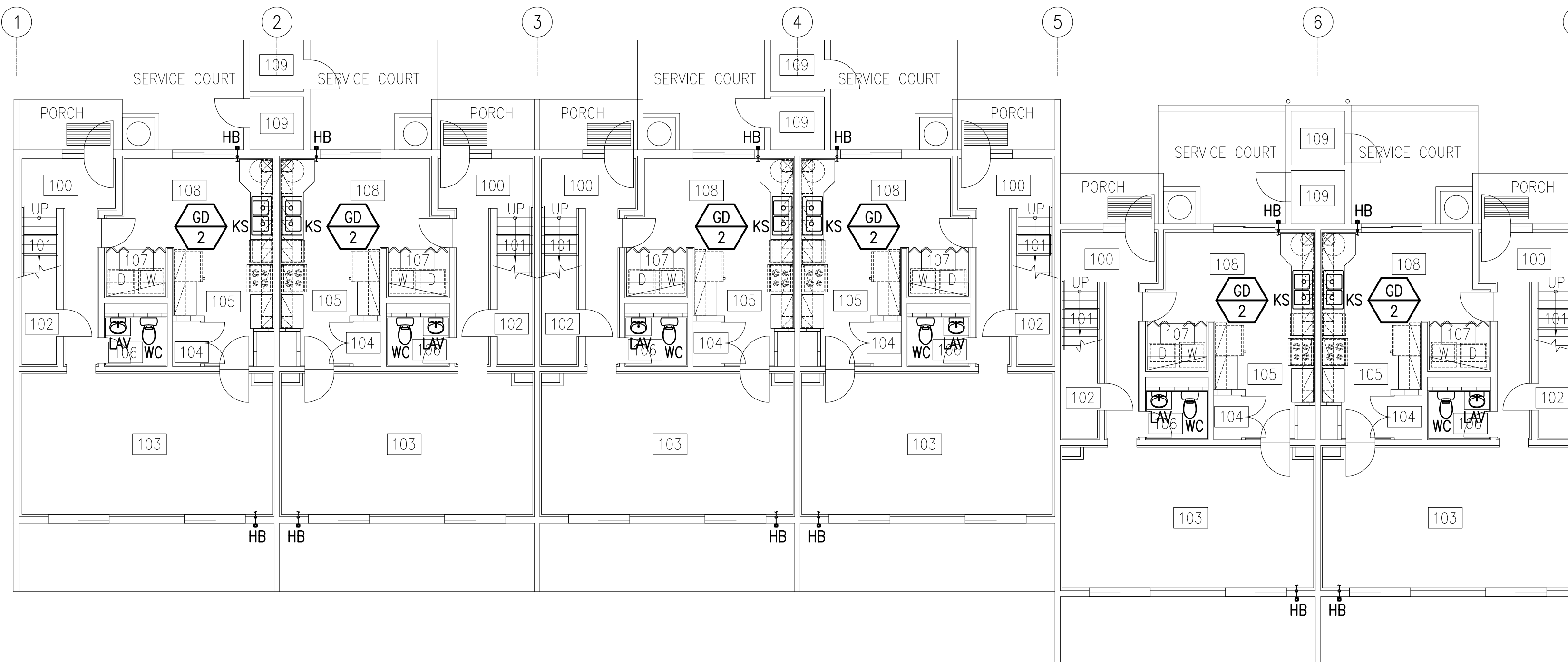
## GRAPHIC SCALE:

1/100 0 0.51 2 3 4 5 6 7 8 9 10m

## 2 MODIFIED SECOND FLOOR PLUMBING PLAN (TYPE "JC3-90")

P-5P-5 SCALE

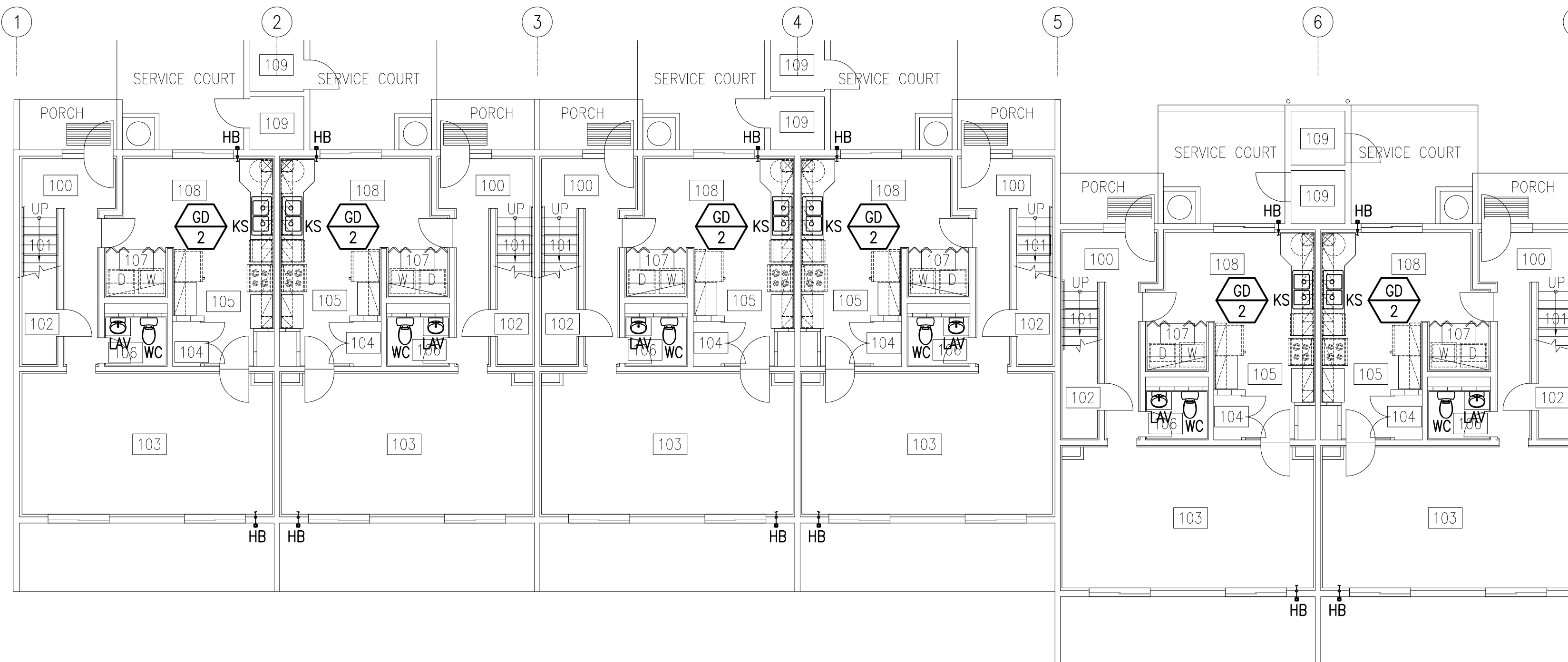
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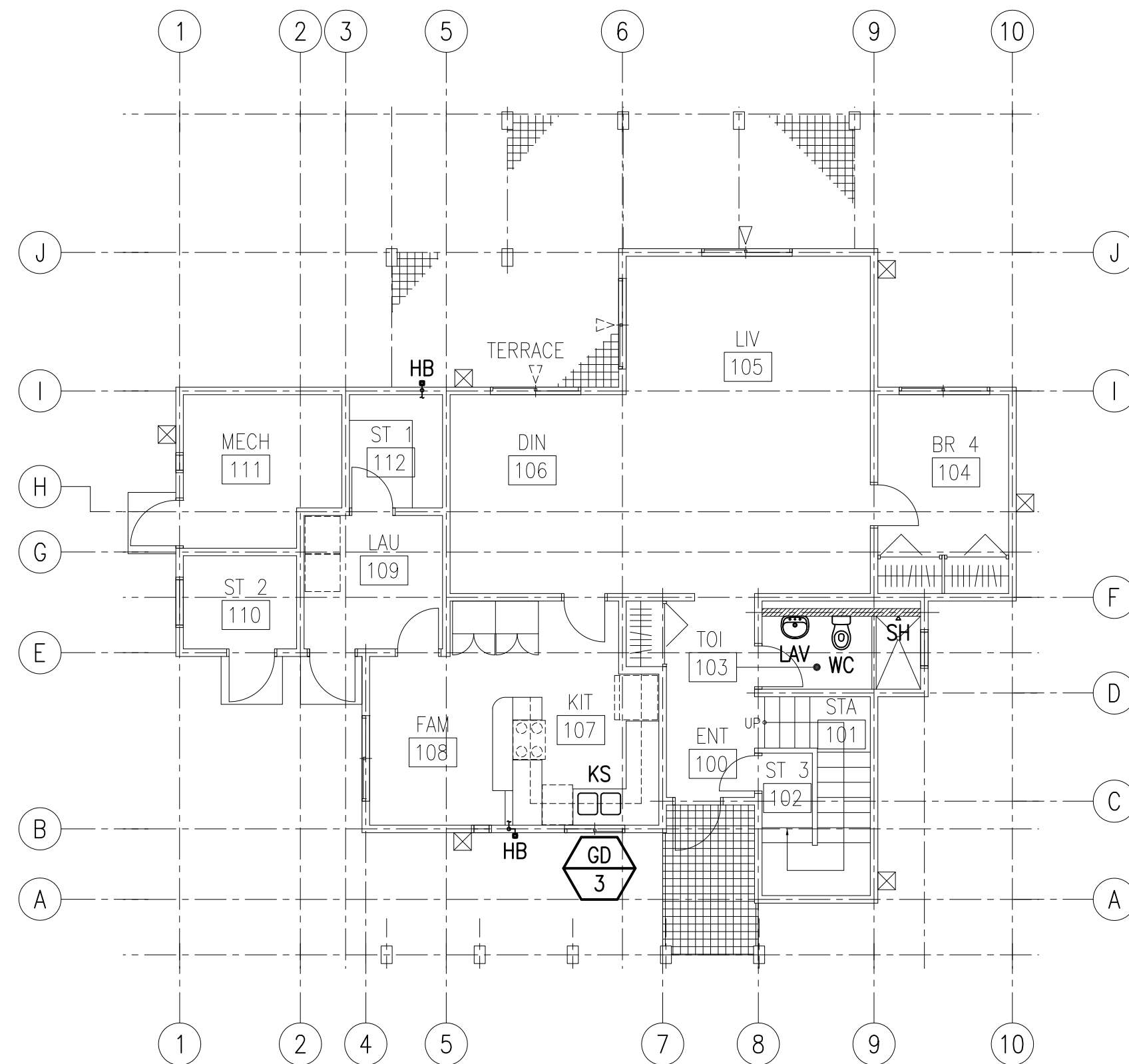
## 1 MODIFIED FIRST FLOOR PLUMBING PLAN (TYPE "JC3-90")

P-5P-5 SCALE

1/100








1  
P-6P-6

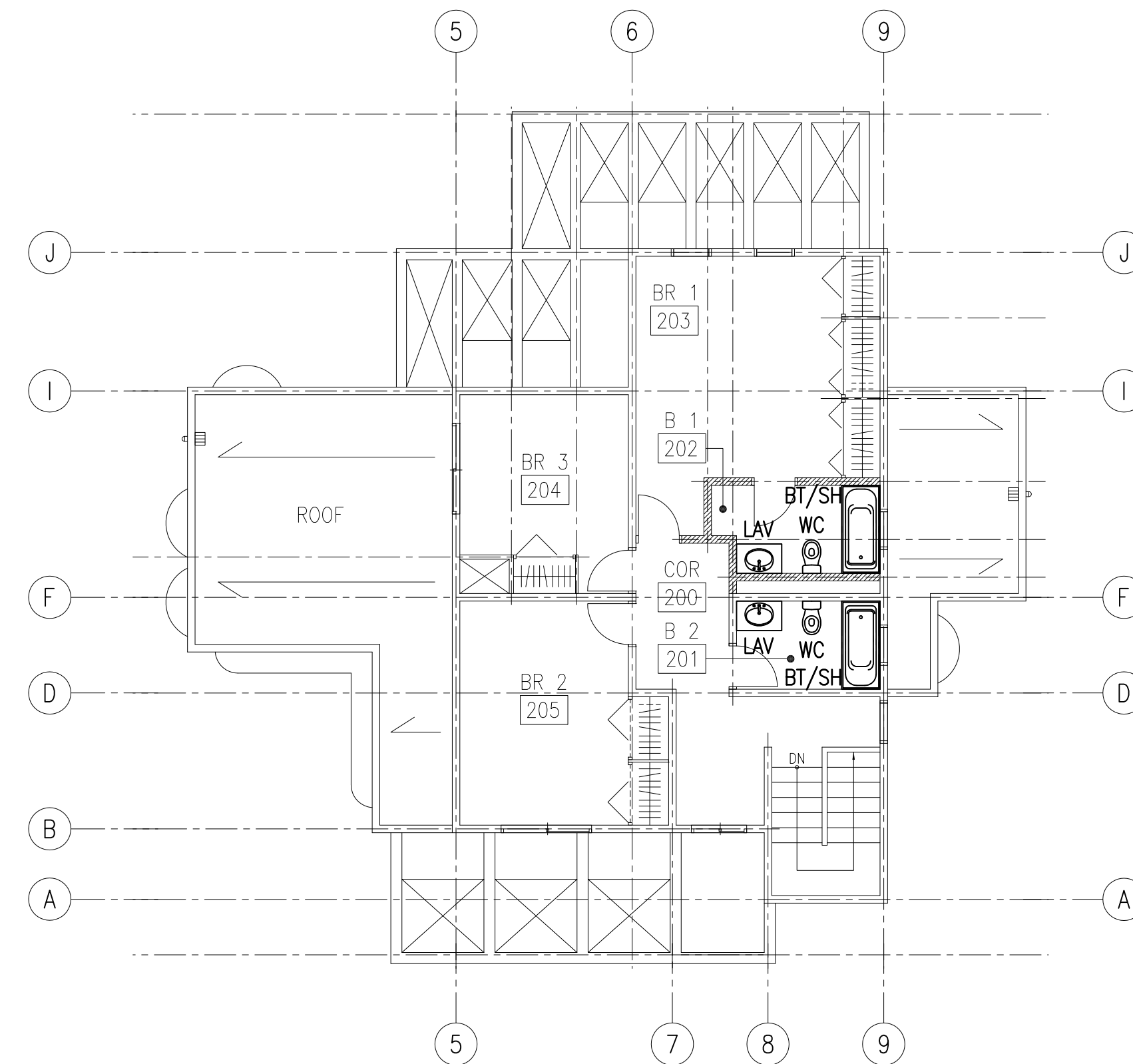
MODIFIED FIRST FLOOR PLUMBING PLAN (TYPE "SQK4-95")  
SCALE 1/100

MECHANICAL EQUIPMENT SCHEDULE		
MARK	QTY	DESCRIPTION
	1	<u><b>GARBAGE DISPOSER</b></u> CONTINUOUS FEED TYPE, POLISHED STAINLESS STEEL SINK DRAIN MOUNTING, GALVANIZED STEEL GRINDING ELEMENTS WITH TWO STAINLESS STEEL 360° SWIVEL LUGS.  CAPACITY : 0.56 kW, 120 V, 1 PH, 60 Hz SIZE : 160mmØ x 321mm HEIGHT

NOTES

1. ALL FLOOR, WALL, AND CEILING FINISHES EXCLUDED IN THE ARCHITECTURAL SCOPE OF WORK AND AFFECTED BY THE REPLACEMENT OF PLUMBING SYSTEMS SHALL BE REPLACED WITH NEW.

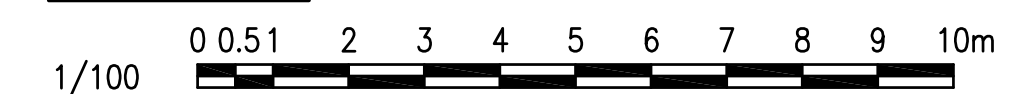
PLUMBING FIXTURE SCHEDULE							
MARK	DESCRIPTION	QTY	CW	HW	SEWER	VENT	REMARKS
WC	WATER CLOSET	3	20	—	75	50	FLOOR MOUNTED FLUSH TANK WATER CLOSETS
LAV	LAVATORY	3	20	20	40	50	WITH CENTER SET SINGLE LEVER FAUCETS AND POP UP DRAIN
BT/SH	BATHTUB WITH SHOWER HEAD	2	20	20	50	50	PORCELAIN ENAMELED STEEL BATHTUB DIM: 1,524 X 762 X 422
KS	KITCHEN SINK	1	20	20	50	50	COUNTERTOP KITCHEN SINK WITH TWO COMPARTMENTS INCLUDING GARBAGE DISPOSER AND SINGLE LEVER FAUCET WITH SPRAY.
SH	SHOWER HEAD	1	20	20	50	40	SINGLE LEVER SHOWER SUPPLY FITTINGS
HB	HOSE BIBB	2	20	—	—	—	



2 MODIFIED SECOND FLOOR PLUMBING PLAN (TYPE "SQK4-95")  
P-6 P-6 SCALE 1/100

TYPE SQK4-95			
ROOM NUMBER	ROOM NAMES	ROOM NUMBER	ROOM NAMES
1ST FLOOR		2ND FLOOR	
100	ENTRANCE & HALLWAY	200	CORRIDOR
101	STAIR	201	BATHROOM 2
102	INTERIOR STORAGE	202	BATHROOM 1
103	TOILET	203	BEDROOM 1
104	BEDROOM 4	204	BEDROOM 3
105	LIVING ROOM	205	BEDROOM 2
106	DINING ROOM		
107	KITCHEN		
108	FAMILY ROOM		
109	LAUNDRY		
110	EXTERIOR STORAGE		
111	MECH ROOM		
112	STORAGE		

GRAPHIC SCALE:

[illegible][illegible]

**Submitted by:**

MIRAIT TECHNOLOGIES CORPORATION  
3-3-15, Ecobori Nishi-ku, Osaka-shi, 550-0002 Japan  
Tel: 06-6446-3404 Fax: 06-6446-0539

SUBMITTAL

95%

Date: 14 FEB '17

REPAIR MFT, KINSEK HEIGHTS (970N)

CAMP KINSEK,	NYJS 16-4540	OKINAWA, JAPAN
	PLUMBING	
	MODIFIED PLUMBING PLAN (TYPE "SGK-85")	

**TRACT NUMBER**

SHEET REFERENCE NO.

P-6

ET:45 OF 62





### ELECTRICAL SCOPE OF WORK:

### JB4-90 AND JC3-90 TYPE UNITS

1. REMOVE EXISTING LIGHTING FIXTURES IN BATHROOMS AND KITCHEN INCLUDING ASSOCIATED SWITCHES, CONTROLS, WIRES AND CONDUITS. CONCEALED CONDUITS IN GOOD CONDITION MAY BE RETAINED AND REUSED.
2. REMOVE EXISTING RECEPTACLE OUTLETS INCLUDING ASSOCIATED WIRES AND CONDUITS. CONCEALED CONDUITS IN GOOD CONDITION MAY BE RETAINED AND REUSED.
3. REMOVE ALL ELECTRICAL SYSTEM ASSOCIATED WITH MECHANICAL SYSTEM THAT WILL BE REMOVED BY MECHANICAL.
4. PROVIDE NEW LIGHTING SYSTEM IN BATHROOMS AND KITCHEN INCLUDING ASSOCIATED SWITCHES, CONTROLS, WIRES AND CONDUITS.
5. PROVIDE NEW RECEPTACLE OUTLETS INCLUDING ASSOCIATED WIRING AND CONDUIT.
6. PROVIDE ALL ELECTRICAL SYSTEM ASSOCIATED WITH MECHANICAL SYSTEM THAT WILL BE PROVIDED BY MECHANICAL.

SQK4-95 TYPE UNIT

1. REMOVE ENTIRE EXISTING EXTERIOR AND INTERIOR LIGHTING FIXTURES INCLUDING ASSOCIATED SWITCHES, CONTROLS, WIRES AND CONDUITS. CONCEALED CONDUITS IN GOOD CONDITION MAY BE RETAINED AND REUSED UPON PROPER CLEANING.
2. REMOVE EXISTING RECEPTACLE OUTLETS INCLUDING ASSOCIATED WIRES AND CONDUITS. CONCEALED CONDUITS IN GOOD CONDITION MAY BE RETAINED AND REUSED UPON PROPER CLEANING.
3. REMOVE ALL ELECTRICAL SYSTEM ASSOCIATED WITH MECHANICAL SYSTEM THAT WILL BE REMOVED BY MECHANICAL.
4. PROVIDE NEW LIGHTING SYSTEM TO REPLACE THE EXISTING ENTIRE EXTERIOR AND INTERIOR INCLUDING ASSOCIATED SWITCHES, CONTROLS, WIRES AND CONDUITS.
5. PROVIDE NEW RECEPTACLE OUTLETS INCLUDING ASSOCIATED WIRING AND CONDUIT.
6. PROVIDE ALL ELECTRICAL SYSTEM ASSOCIATED WITH MECHANICAL SYSTEM THAT WILL BE PROVIDED BY MECHANICAL.
7. PROVIDE NEW SMOKE ALARM DEVICES INCLUDING ASSOCIATED WIRES AND CONDUITS. SMOKE ALARM DEVICE SHALL BE EQUIPPED WITH SMOKE DETECTOR, CONTROL EQUIPMENT AND ALARM SOUNDING DEVICE. SMOKE ALARM DEVICE SHALL BE POWERED BY 120VAC POWER SUPPLY AND SHALL HAVE BACK-UP INTEGRAL BATTERY UNIT.

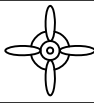

























## ELECTRICAL GENERAL NOTES

1. ALL LIGHTING AND POWER CIRCUIT CONDUIT RUNS SHALL BE PROVIDED WITH GREEN COLORED GROUNDING CONDUCTOR.
2. ALL EXTERIOR CONDUIT RUNS EXPOSED SHALL BE RIGID STEEL CONDUIT (RSC) THICK WALL. ALL CONDUIT RUNS ABOVE DROP CEILING MAY BE RIGID STEEL CONDUIT OR ELECTRICAL METALLIC TUBING (EMT).
3. ALL SURFACES PREVIOUSLY HIDDEN BY ELECTRICAL ITEMS REMOVED SHALL BE PAINTED TO MATCH ADJACENT SURFACE FINISH.
4. ALL NEW EXPOSED CONDUITS MOUNTED ON FINISHED WALLS SHALL BE PAINTED TO MATCH ADJACENT SURFACES.
5. ALL OPENINGS CAUSED BY THE REMOVAL OF EXISTING CONDUITS, WIRING DEVICES, OUTLET BOXES AND OTHERS SHALL BE RESTORED OR PATCHED UP WITH CONCRETE OR ANY APPROVED MATERIAL TO MATCH EXISTING AND PAINTED TO MATCH THE COLOR OF EXISTING ADJACENT FINISH. ALL HOLES ON UNPAINTED WALLS SHALL BE PATCHED UP ONLY.
6. ALL OPENINGS IN CEILINGS CAUSED BY THE REMOVAL OF EXISTING LIGHTING FIXTURES SHALL BE RESTORED WITH ANY APPROVED MATERIALS AND PAINTED TO MATCH THE EXISTING COLOR.
7. EXISTING CONDUITS TO BE REUSED SHALL BE CLEANED PRIOR TO INSTALLATION OF NEW WIRING. EXPOSED STEEL WIREMOLD CABLE RACEWAY SYSTEM CAN BE USED IN AREAS WHERE THERE ARE NO CEILING RENOVATION WORKS.
8. HEAVY LINES INDICATES NEW WORK, LIGHT LINES INDICATES EXISTING CONDITION.

LEGEND AND SYMBOL – POWER :

SYMBOL		DESCRIPTION
EXISTING	NEW	
		PANELBOARD
		HEAVY DUTY NON-FUSIBLE SAFETY SWITCH, RATING AS INDICATED
		DUPLEX RECEPTACLE, 2P, 3W, 20A, 125VAC GND TYPE, TAMPER RESISTANT
		SINGLEPLEX RECEPTACLE, 2P, 3W, 20A, 125VAC GND TYPE, TAMPER RESISTANT
		DUPLEX RECEPTACLE, 2P, 3W, 20A, 125VAC GND TYPE, TAMPER RESISTANT WITH GROUND FAULT CIRCUIT INTERRUPTER
		SINGLE RECEPTACLE, 2P 3W, 50A, 250V GND TYPE
		SINGLE RECEPTACLE, 2P 3W, 30A, 250V GND TYPE
		SINGLE-STATION SMOKE ALARM DEVICE
		JUNCTION BOX
	WP	SUBSCRIPT WP : INDICATES WEATHER PROOF TYPE
	DW	RECEPTACLE WITH SUBSCRIPT DW : INDICATES DISHWASHER
	GP	RECEPTACLE WITH SUBSCRIPT GP : INDICATES GARBAGE DISPOSAL
	RH	SUBSCRIPT RH : INDICATES RANGE HOOD

LEGEND AND SYMBOL – LIGHTING :

SYMBOL		DESCRIPTION
EXISTING	NEW	
		CEILING FAN WITH LIGHTING FIXTURE
	 K1	4' LED RECESSED LIGHTING FIXTURE, 5000 LUMENS MINIMUM, 48W
	 K2	4' LED RECESSED LIGHTING FIXTURE, 3500 LUMENS MINIMUM, 35W
	 K3	4' LED RECESSED LIGHTING FIXTURE, 8400 LUMENS MINIMUM, 93W
	 M2	4' LED SURFACE MOUNTED (WET LOCATION), 3000 LUMENS MINIMUM, 30W
	 F	4' LED LIGHTING FIXTURE WALL MOUNTED , 4000 LUMENS MINIMUM, 44W
	 VL	VANITY LIGHT MOUNT IN VANITY CABINET (BY ARCHITECTURAL SPECS)
	 N1	OUTDOOR WALL MOUNTED LED LIGHT, 2000 LUMENS MINIMUM, 24W
	 WL	LED LIGHT WALL/SURFACE MOUNTED (DAMP LOCATION), 2000 LUMENS MINIMUM, 24W
	 BL	BATHROOM LED LIGHT (WET LOCATION), 2600 LUMENS MINIMUM, 36W
	 C1	LED RECESSED DOWNLIGHT, 1900 LUMENS MINIMUM, 22W
	 C2	2'x2'LED RECESSED DOWNLIGHT, 2000 LUMENS MINIMUM, 18W
	 PL	LED RECESSED DOWNLIGHT, 700 LUMENS MINIMUM, 12W
	 DL	LED WALL MOUNTED DECORATIVE LIGHT
	 H1	LED RECESSED DOWNLIGHT, 1600 LUMENS MINIMUM, 21W
	 PLD	LED RECESSED DOWNLIGHT, 650 LUMENS MINIMUM, 12W
	 CH	LED CHANDELIER (DECORATIVE) LIGHT
 DM		DIMMABLE RECESSED INCANDESCENT LIGHT
		4' RECESSED MOUNTED LIGHTING FIXTURE
		4' WALL MOUNTED LIGHTING FIXTURE
		SQUARE RECESSED MOUNTED LIGHTING FIXTURE
		INDOOR WALL MOUNTED LIGHTING FIXTURE
		RECESSED DOWNLIGHT LIGHTING FIXTURE
		OUTDOOR WALL MOUNTED LIGHTING FIXTURE
		2' RECESSED MOUNTED LIGHTING FIXTURE
SDa		DIMMER WALL SWITCH
S	S	WALL LIGHT SWITCH
Sab	Sab	2GANG WALL LIGHT SWITCH
Sabc	Sabc	3GANG WALL LIGHT SWITCH
S3	S3	3WAY WALL LIGHT SWITCH

[illegible][illegible]

**Submitted by:**

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**SUBMITTAL**  
95%  
Date: 14 FEB '17

CAMP KINSER, NYUS 16-4540 OKINAWA, JAPAN

REPAIR MFH, KINSER HEIGHTS (97UN)

ELECTRICAL SCOPE OF WORK, GENERAL NOTES, LEGEND & SYMBOL

CONTRACT NUMBER

SHEET REFERENCE NO.

E-1

SHEET: 47 OF 62

Mark	Revision	Date

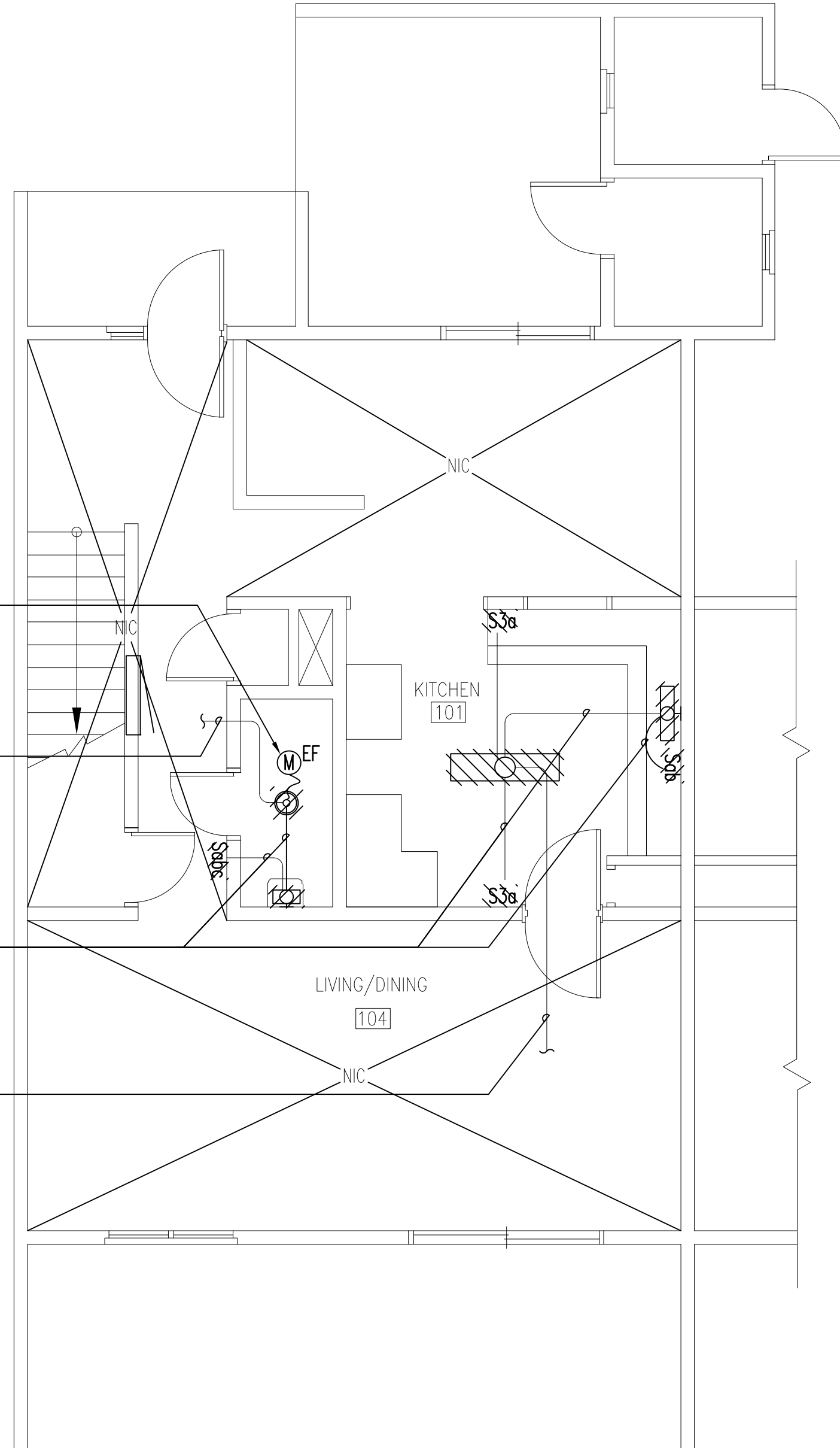
Mark	Revision	Date

Submitted by:  
MIRAIT TECHNOLOGIES CORPORATION  
3-3-15 Edobori Nishi-ku, Osaka-shi 550-0002 Japan  
Tel: 06-6446-3404 Fax: 06-6446-0539

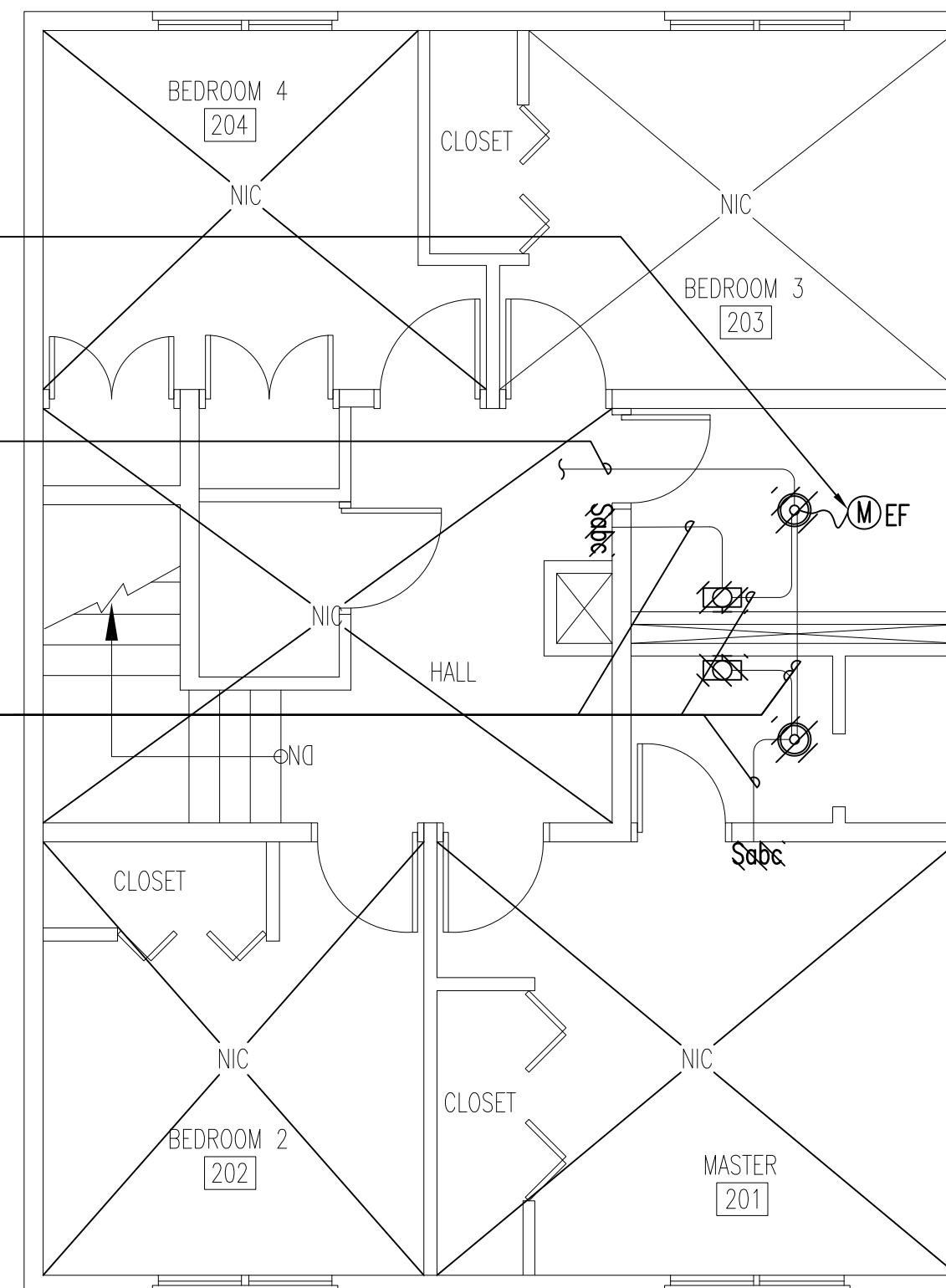
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95%  
Date:  
14 FEB '17

REPAIR MFH, KINSER HEIGHTS (97UN)  
CAMP KINSER,  
NYJS 16-4540  
OKINAWA, JAPAN  
1ST & 2ND FLOOR LIGHTING REMOVAL PLAN (TYPE JB4-90)

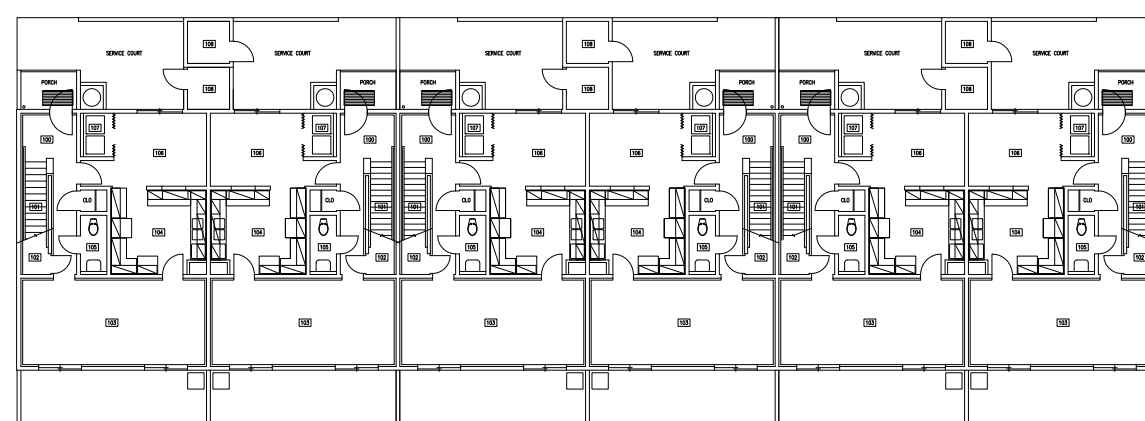
CONTRACT NUMBER  
SHEET REFERENCE NO.  
E-2  
SHEET: 48 OF 82



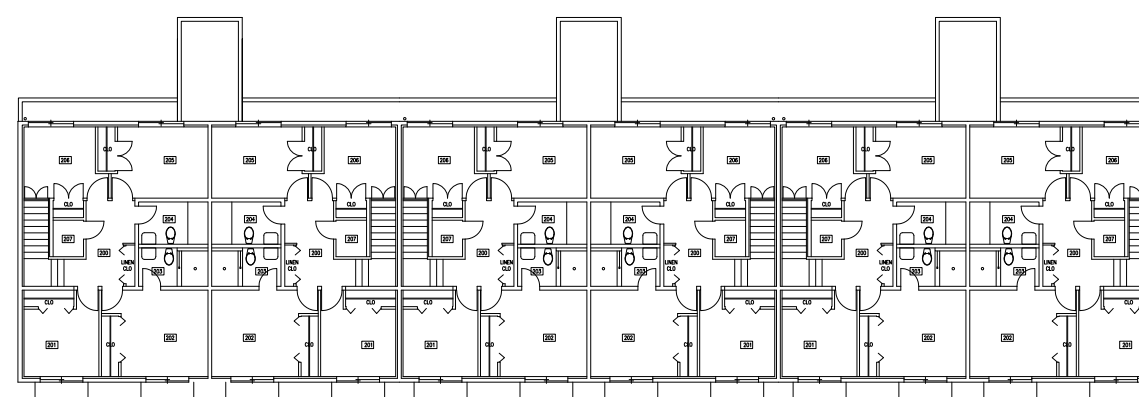
1 1ST FLOOR LIGHTING REMOVAL PLAN (TYPE JB4-90)  
E-2 SCALE 1:50



2 2ND FLOOR LIGHTING REMOVAL PLAN (TYPE JB4-90)  
E-2 SCALE 1:50



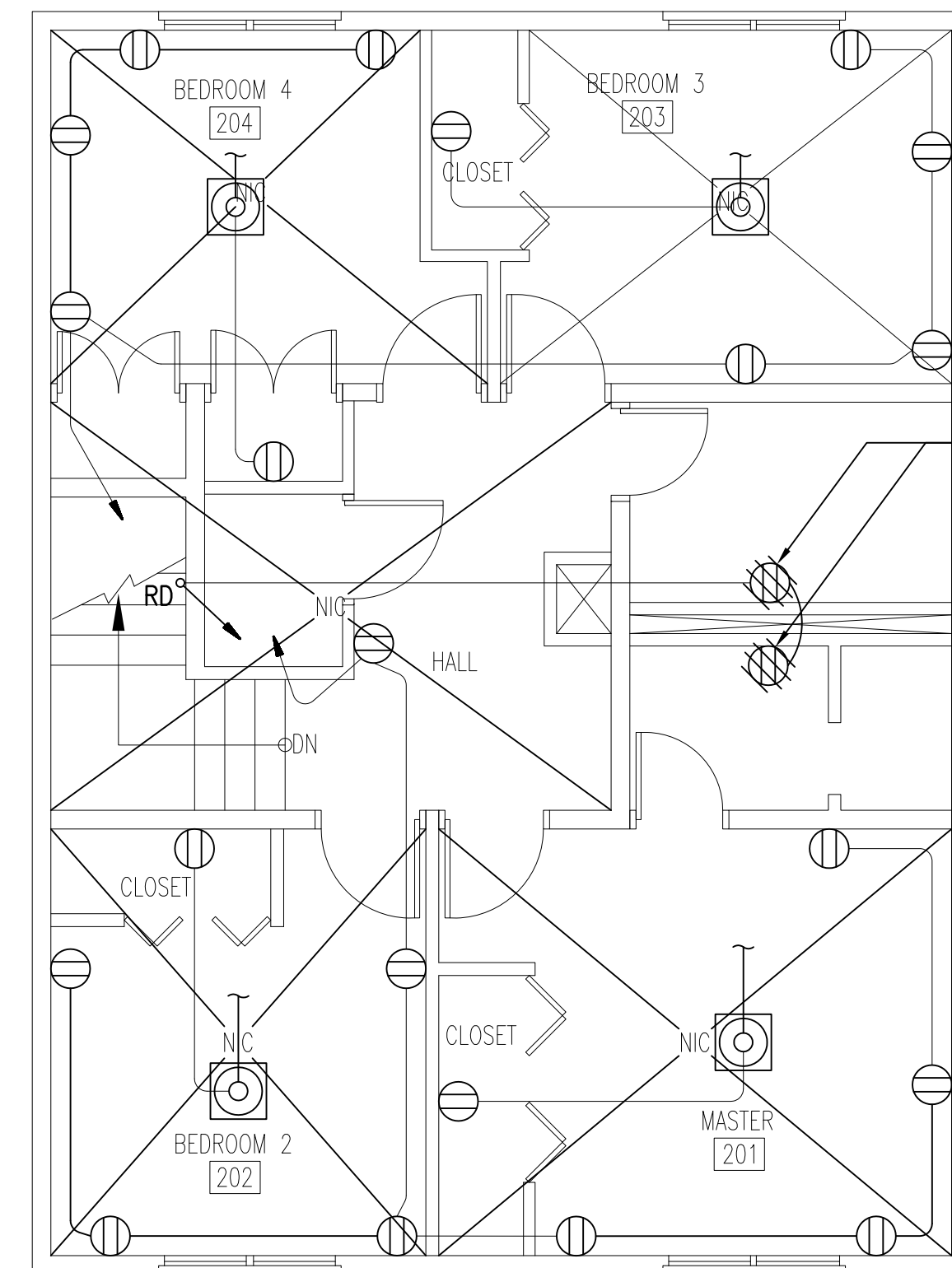
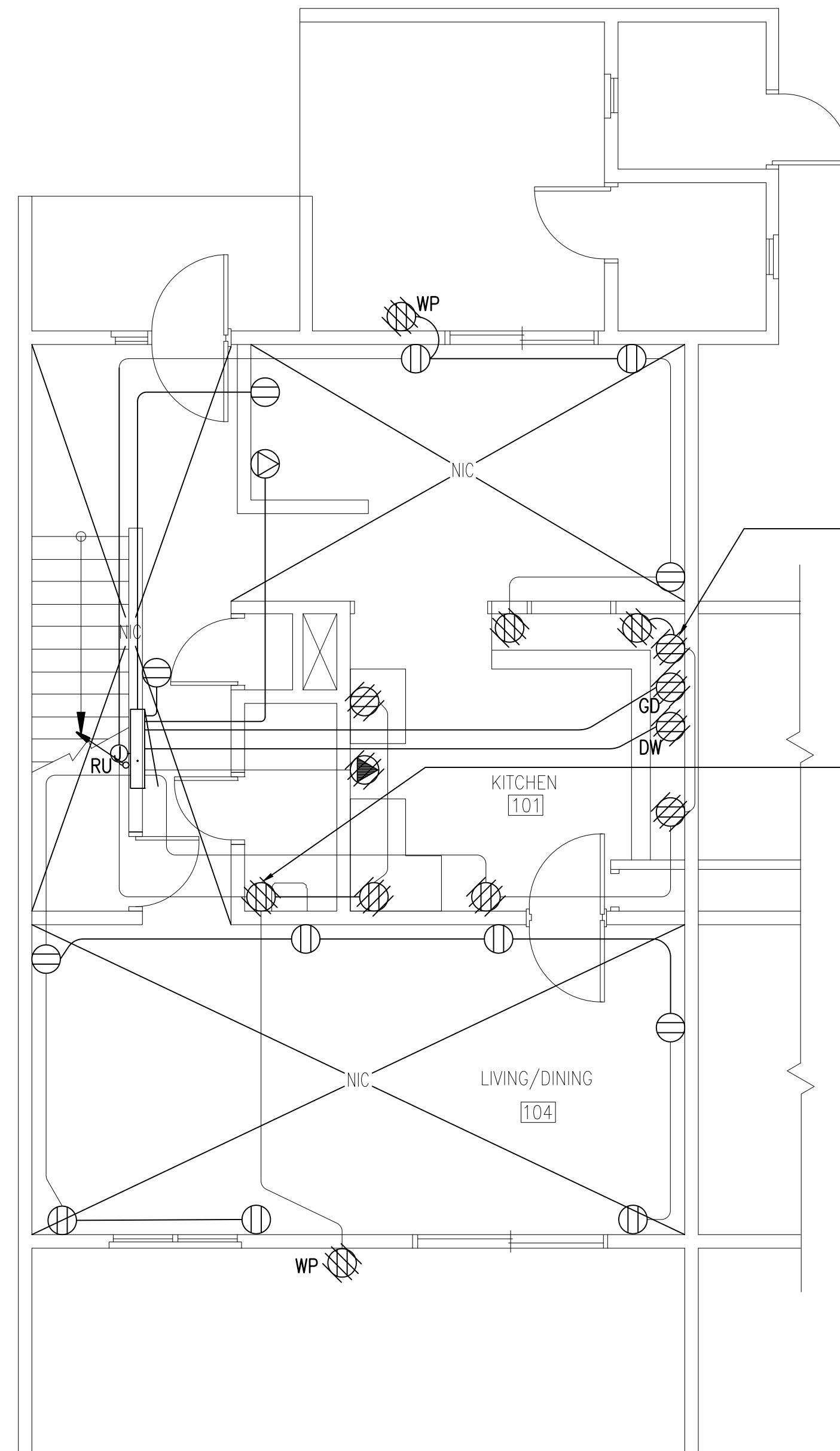
KEYPLAN - 1ST FLOOR



KEYPLAN - 2ND FLOOR

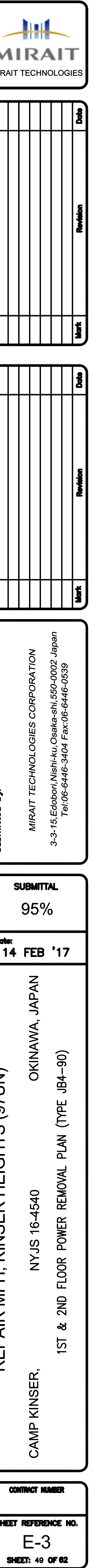
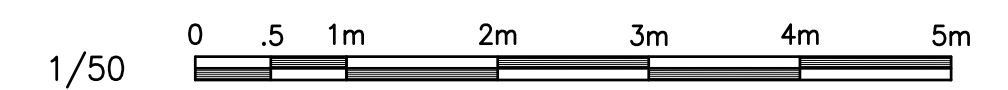
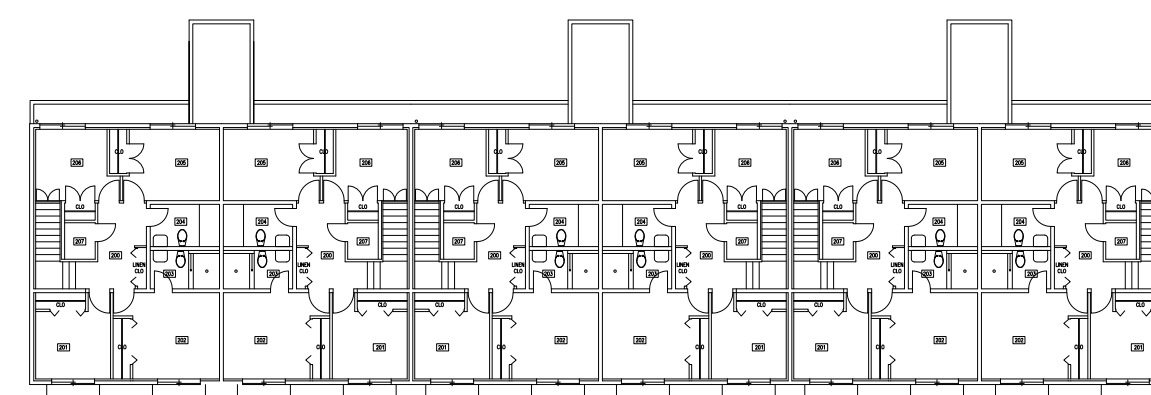
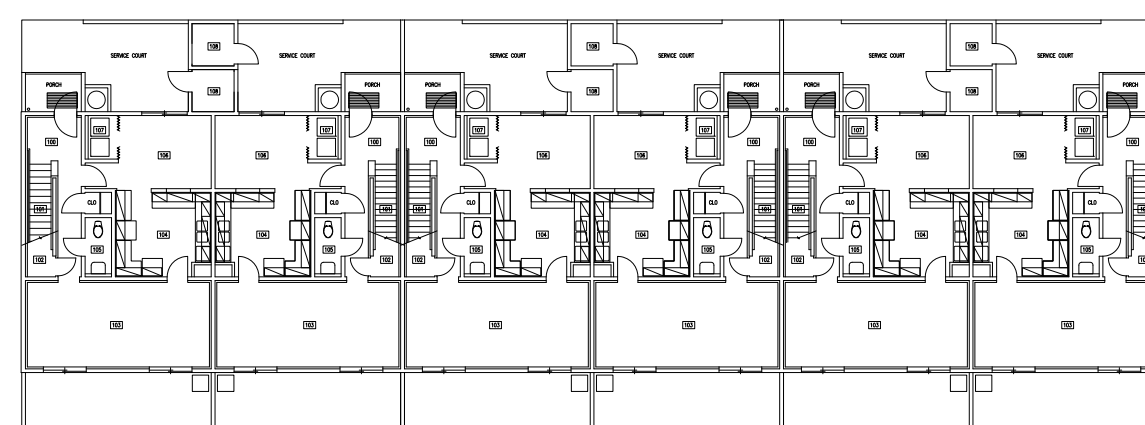
1/50 0 .5 1m 2m 3m 4m 5m

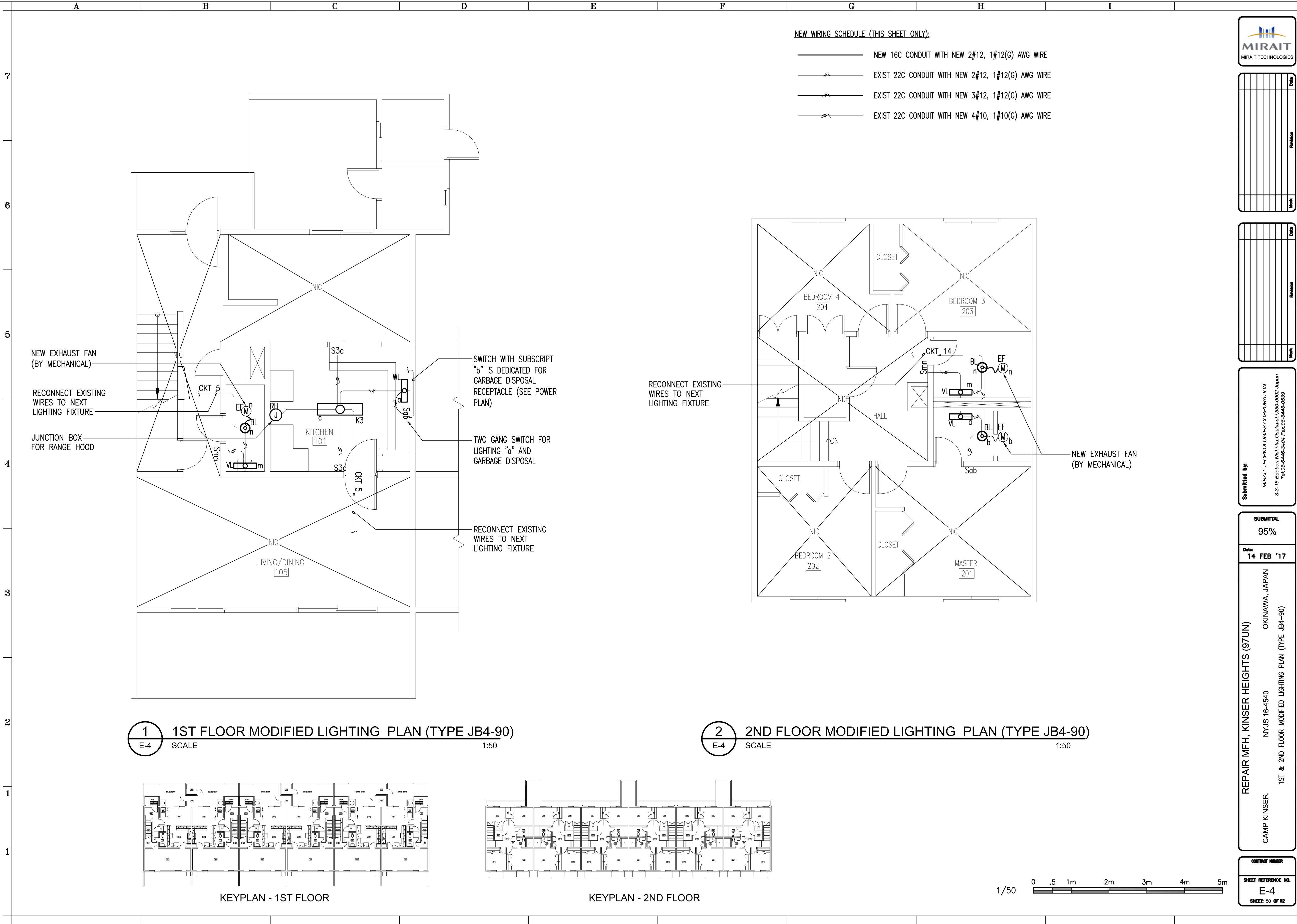




1 1ST FLOOR POWER REMOVAL PLAN (TYPE JB4-90)  
E-3 SCALE 1:50

2ND FLOOR POWER REMOVAL PLAN (TYPE JB4-90)  
 E-3 SCALE 1:50











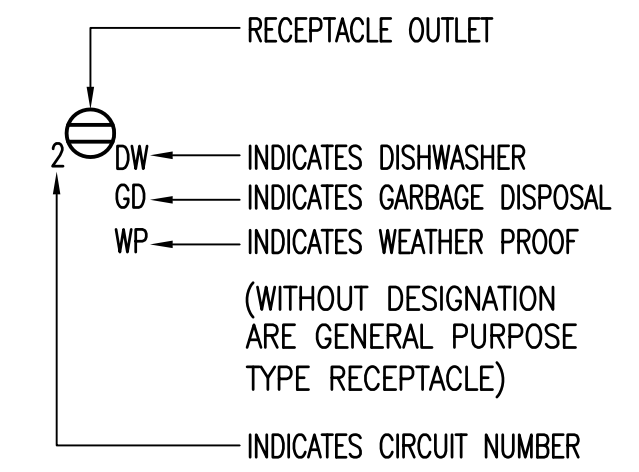
KEYPLAN - 1ST FLOOR

KEYPLAN - 2ND FLOOR

NEW WIRING SCHEDULE (THIS SHEET ONLY):

- |   |   |
|---|---|
|  | NEW 16C CONDUIT WITH NEW 2#12, 1#12(G) AWG WIRE   |
|  | EXIST 22C CONDUIT WITH NEW 2#12, 1#12(G) AWG WIRE |
|  | EXIST 22C CONDUIT WITH NEW 4#10, 1#10(G) AWG WIRE |
|  | EXIST 22C CONDUIT WITH NEW 6#10, 1#10(G) AWG WIRE |

### OUTLET CIRCUIT DESCRIPTION

[illegible]

Rev	Mark	Revision	Date

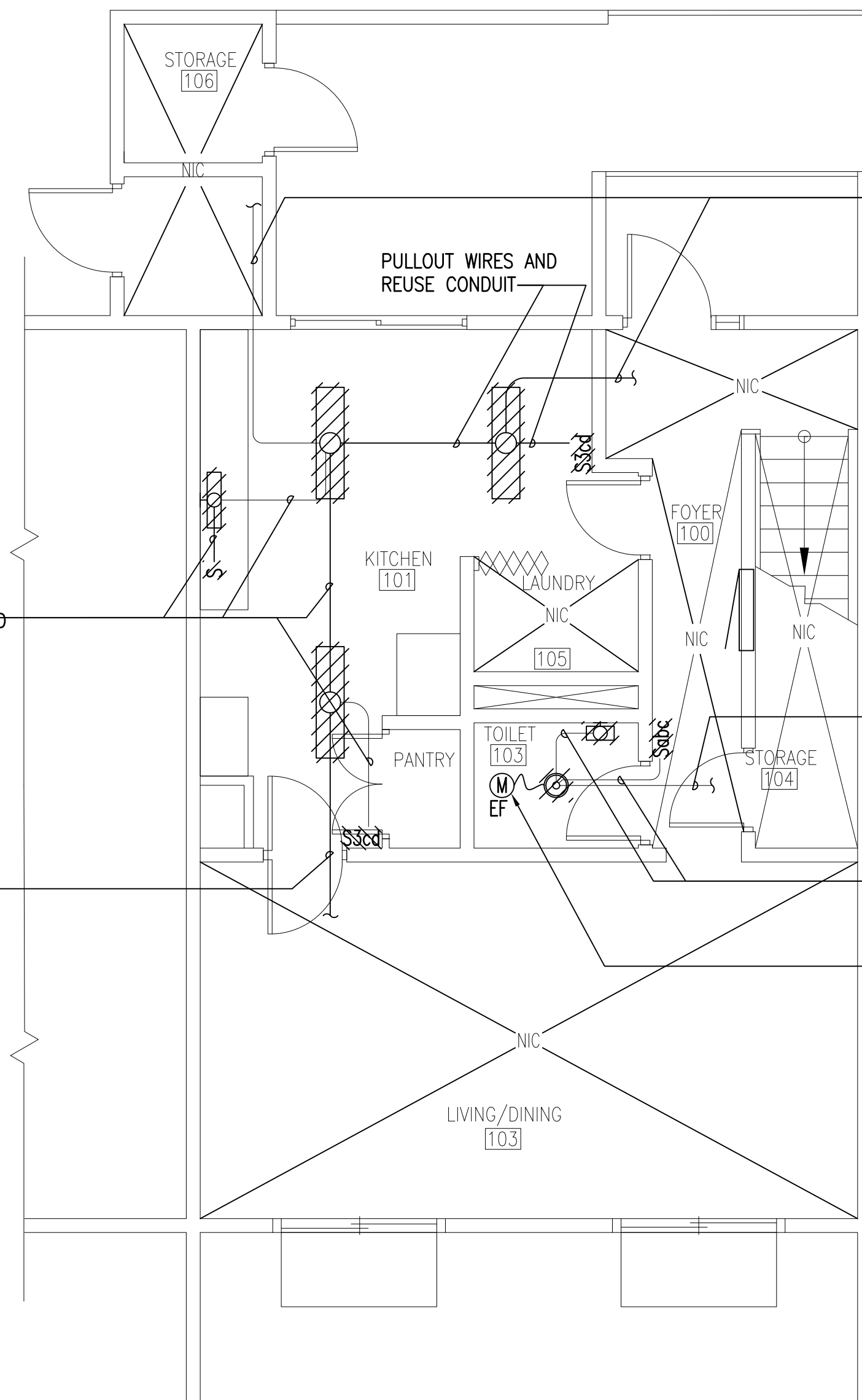
Rev	Mark	Revision	Date

Submitted by:  
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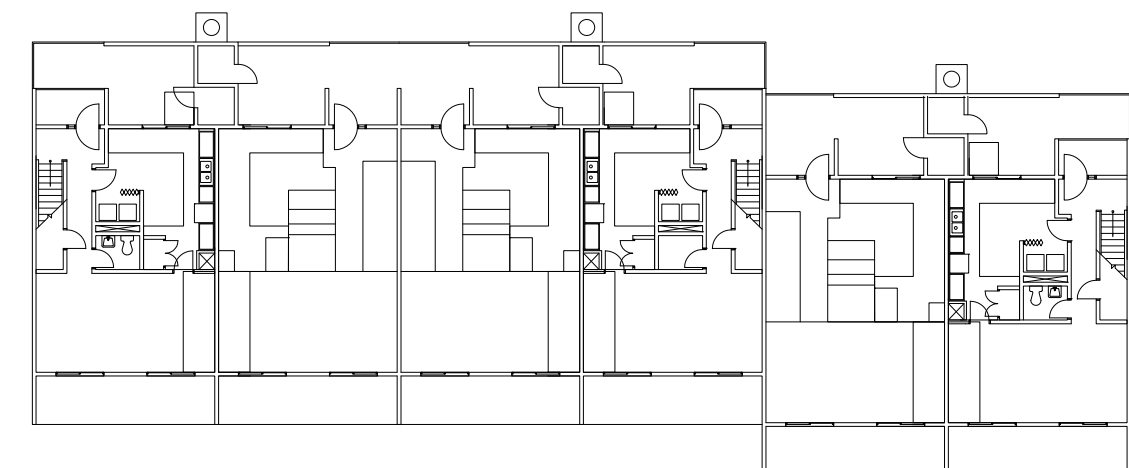
SUBMITTAL  
95%  
Date:  
14 FEB '17

REPAIR MFH, KINSEI HEIGHTS (97UN)  
CAMP KINSEI,  
OKINAWA, JAPAN  
NYJS 16-4540  
1ST & 2ND FLOOR LIGHTING REMOVAL PLAN (TYPE JC3-90)

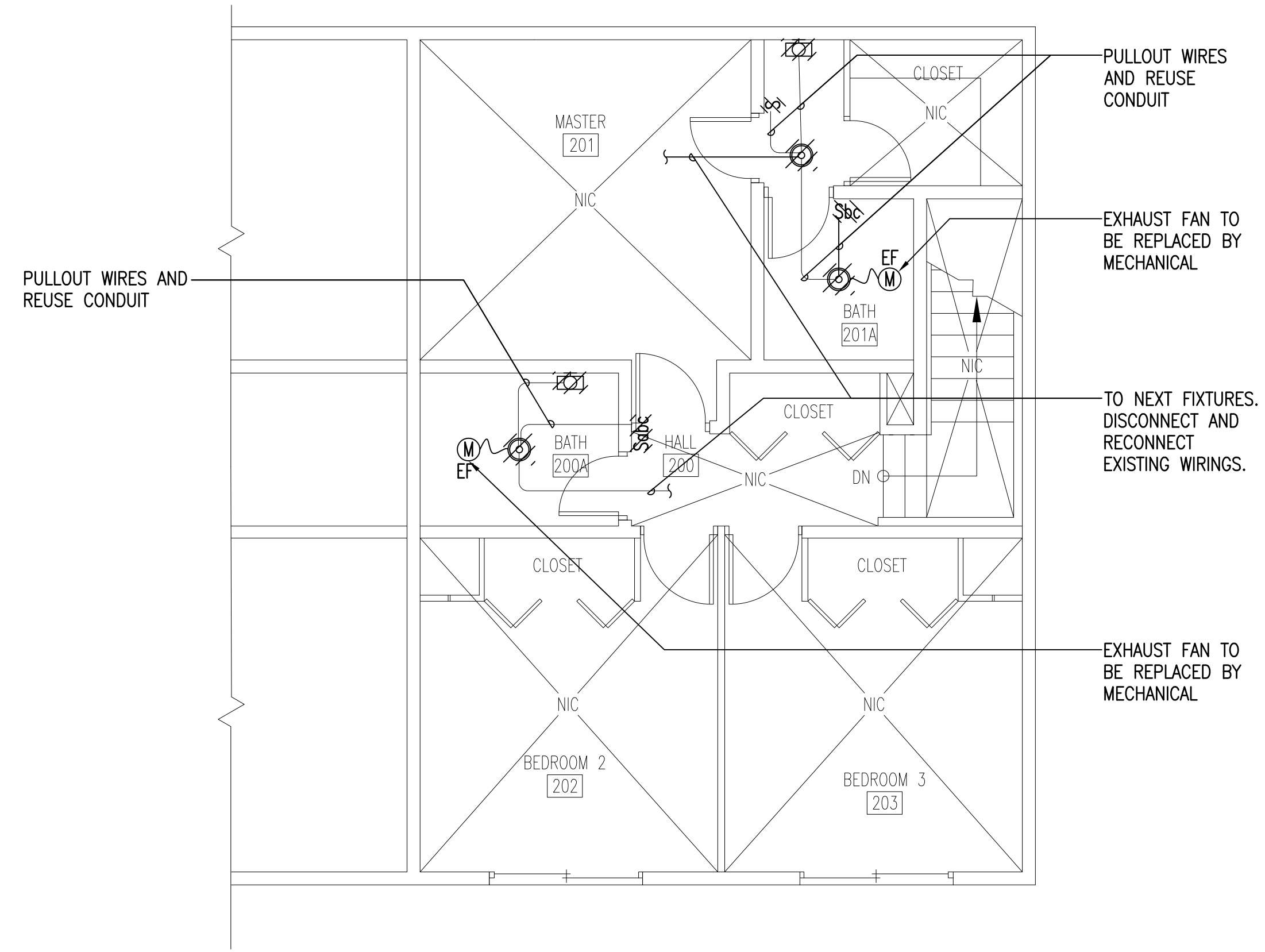
CONTRACT NUMBER  
SHEET REFERENCE NO.  
E-6  
SHEET: 52 OF 82



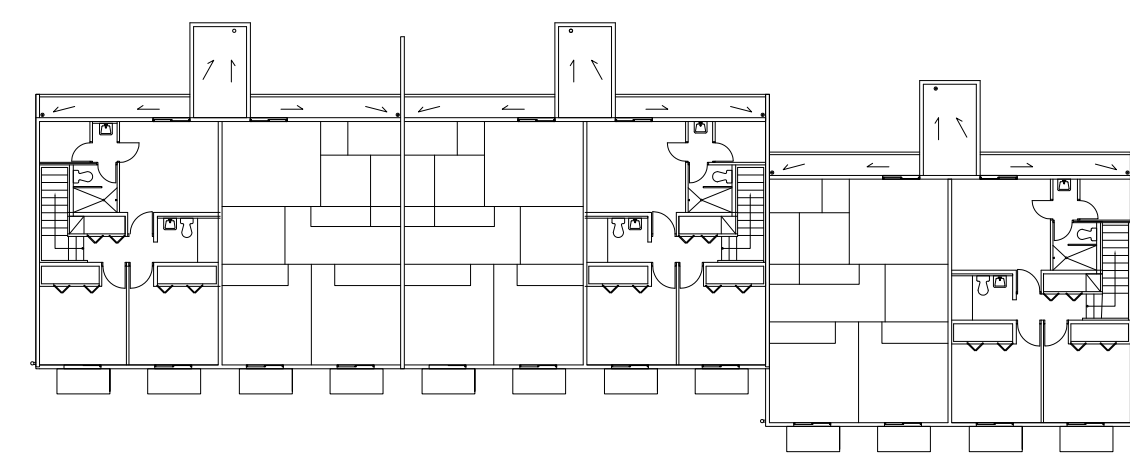
1 1ST FLOOR LIGHTING REMOVAL PLAN (TYPE JC3-90)  
E-6 SCALE 1:50



KEYPLAN - 1ST FLOOR



2 2ND FLOOR LIGHTING REMOVAL PLAN (TYPE JC3-90)  
E-6 SCALE 1:50



KEYPLAN - 2ND FLOOR

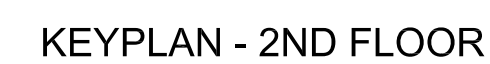
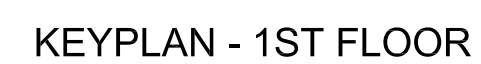
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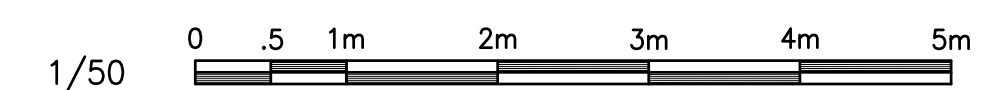


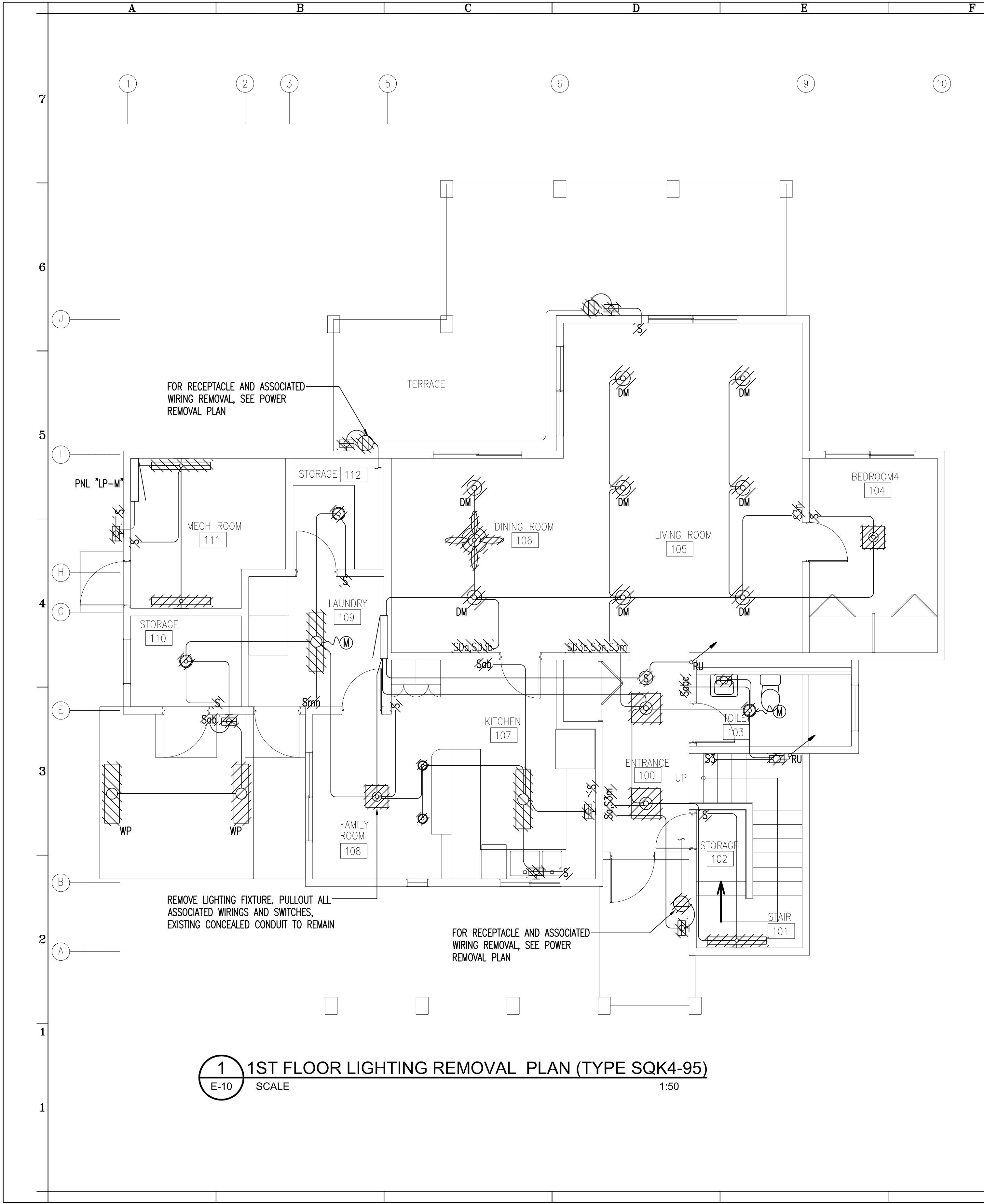
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SHEET REFERENCE NO.

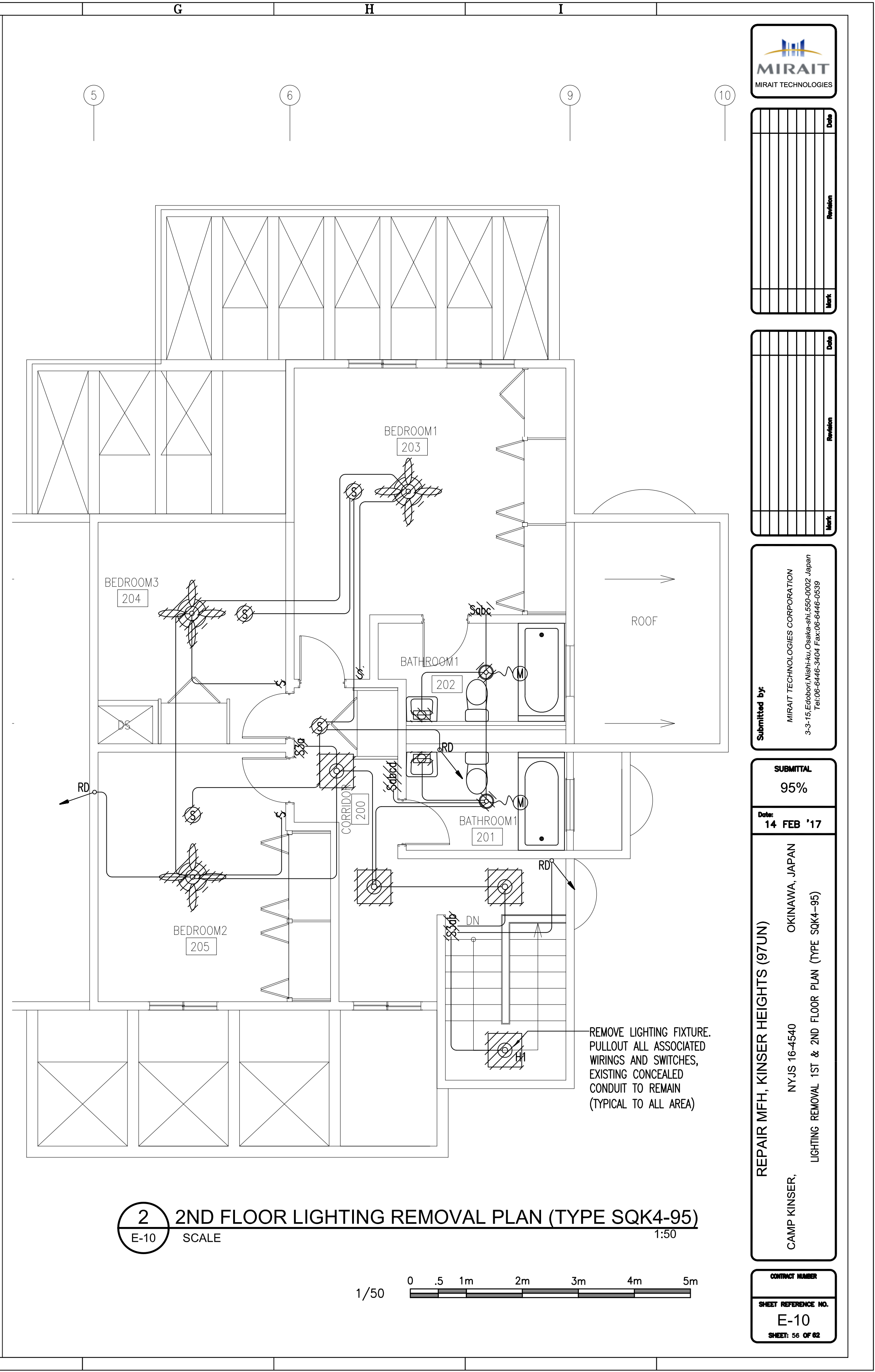
E-9

SHEET: 55 OF 62

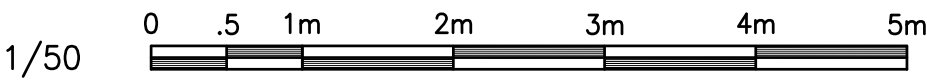




1 1ST FLOOR LIGHTING REMOVAL PLAN (TYPE SQK4-95)  
E-10 SCALE 1:50



2 2ND FLOOR LIGHTING REMOVAL PLAN (TYPE SQK4-95)  
E-10 SCALE 1:50



MIRAIT  
MIRAIT TECHNOLOGIES

Mark	Revision	Date

Mark	Revision	Date

Submitted by:

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SUBMITTAL

95%

Date: 14 FEB '17

REPAIR MFH, KINSER HEIGHTS (97JUN)

CAMP KINSER, NYJS 16-4540

OKINAWA, JAPAN

LIGHTING REMOVAL 1ST & 2ND FLOOR PLAN (TYPE SQK4-95)

CONTRACT NUMBER

SHEET REFERENCE NO.

E-10

SHEET: 56 OF 82





Rev	Mark	Date

Rev	Mark	Date

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14 FEB '17

REPAIR MFH, KINSEI HEIGHTS (97UN)  
CAMP KINSEI,  
NYJS 16-4540  
OKINAWA, JAPAN  
POWER REMOVAL 1ST & 2ND FLOOR PLAN (TYPE SQK4-95)

CONTRACT NUMBER  
SHEET REFERENCE NO.  
E-11  
SHEET: 57 OF 82

REMOVE ALL EXTERIOR WALL  
RECEPTACLE OUTLET. PULLOUT  
ALL ASSOCIATED WIRING, EXISTING  
CONCEALED CONDUIT TO REMAIN  
(TYPICAL)

PULLOUT WIRINGS,  
EXIST 22C CONDUIT  
TO REMAIN  
REMOVE CONDUIT  
AND WIRINGS

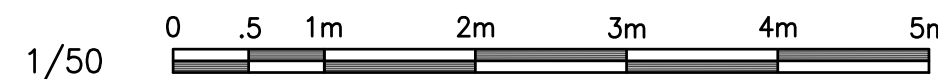
REMOVE ALL KITCHEN RECEPTACLE  
OUTLET. PULLOUT ALL ASSOCIATED  
WIRING, EXISTING CONCEALED  
CONDUIT TO REMAIN (TYPICAL)

REMOVE BATHROOM/TOILET  
RECEPTACLE OUTLET. PULLOUT  
ALL ASSOCIATED WIRING,  
EXISTING CONCEALED CONDUIT  
TO REMAIN

REMOVE BATHROOM/TOILET  
RECEPTACLE OUTLET. PULLOUT  
ALL ASSOCIATED WIRING,  
EXISTING CONCEALED CONDUIT  
TO REMAIN

1 1ST FLOOR REMOVAL POWER PLAN (TYPE SQK4-95)  
E-11 SCALE 1:50

2 2ND FLOOR REMOVAL POWER PLAN (TYPE SQK4-95)  
E-11 SCALE 1:50





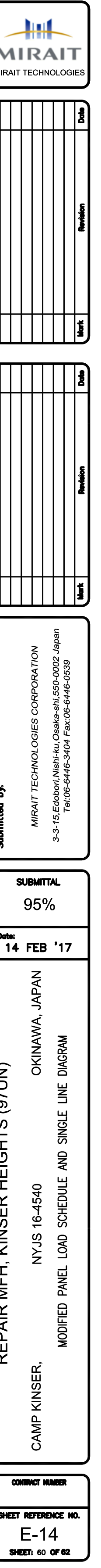
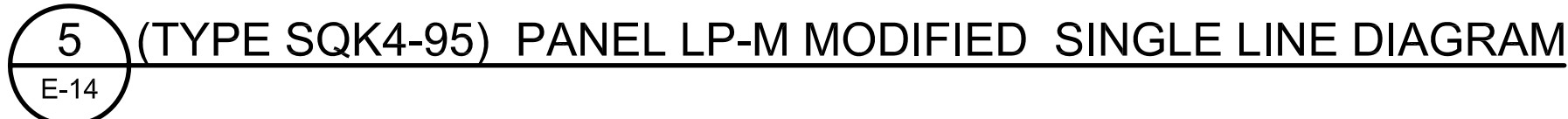
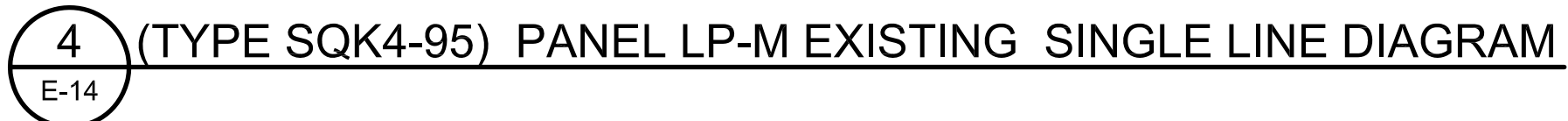




# 1 (TYPE JC3-90) MODIFIED PANEL LOAD SCHEDULE

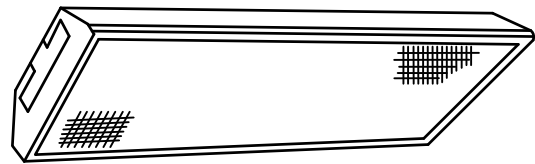
## 2 (TYPE JB4-90) MODIFIED PANEL LOAD SCHEDULE

### 3 (TYPE SQK4-95) PANEL L-1 MODIFIED LOAD SCHEDULE





LIGHTING FIXTURE SCHEDULE I



TYPE K1

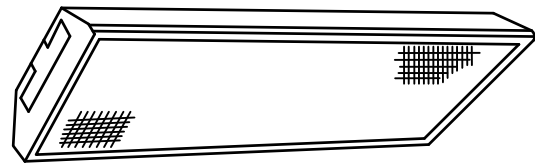
HOUSING:  
HEAVY DUTY EXTRUDED ALUMINUM RAILS AND DIE-CAST END CAPS  
PROVIDE RIGID CONSTRUCTION.

LENS:  
EXTRUDED UV STABILIZED POLYCARBONATE.

CORRELATED COLOR TEMPERATURE (CCT) : 2700K – 3000K

4' LED LIGHTING FIXTURE, RECESSED MOUNTED  
(UL OR ETL LISTED FOR DAMP LOCATION APPLICATION)

TYPE	NO.OF LAMPS	LUMENS (MIN)	WATT	VOLTS	REMARKS
K1	MULTIPLE LEDS	3,500	35W	120V-277V	



TYPE K2

SIMILAR TO K1, EXCEPT WITH HIGHER LUMENS AND WATTAGE

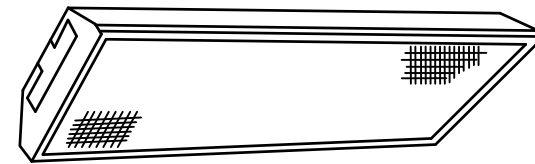
HOUSING:  
HEAVY DUTY EXTRUDED ALUMINUM RAILS AND DIE-CAST END CAPS  
PROVIDE RIGID CONSTRUCTION.

LENS:  
EXTRUDED UV STABILIZED POLYCARBONATE.

CORRELATED COLOR TEMPERATURE (CCT) : 2700K – 3000K

4' LED LIGHTING FIXTURE, RECESSED MOUNTED  
(UL OR ETL LISTED FOR DAMP LOCATION APPLICATION)

TYPE	NO.OF LAMPS	LUMENS (MIN)	WATT	VOLTS	REMARKS
K2	MULTIPLE LEDS	5,000	48W	120V-277V	



TYPE K3

SIMILAR TO K1, EXCEPT WITH HIGHER LUMENS AND WATTAGE

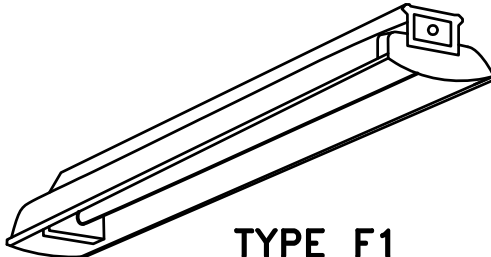
HOUSING:  
HEAVY DUTY EXTRUDED ALUMINUM RAILS AND DIE-CAST END CAPS  
PROVIDE RIGID CONSTRUCTION.

LENS:  
EXTRUDED UV STABILIZED POLYCARBONATE.

CORRELATED COLOR TEMPERATURE (CCT) : 2700K – 3000K

4' LED LIGHTING FIXTURE, RECESSED MOUNTED  
(UL OR ETL LISTED FOR DAMP LOCATION APPLICATION)

TYPE	NO.OF LAMPS	LUMENS (MIN)	WATT	VOLTS	REMARKS
K3	MULTIPLE LEDS	8,200	93W	120V-277V	



TYPE F1

LED STRIP LIGHTING FIXTURE  
(NOTE: PROVIDE WIRE GUARD)

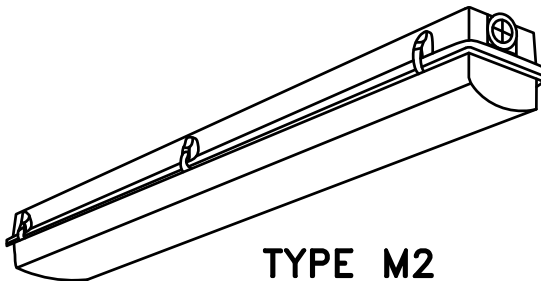
HOUSING:  
FIXTURE CHANNEL, COVER AND END PLATES ARE FORMED  
FROM COLD ROLLED STEEL.

FINISH:  
POST PAINTED WITH HIGH REFLECTIVE PAINT

CORRELATED COLOR TEMPERATURE (CCT) : 3500K – 4000K

4' LED LIGHTING FIXTURE, SURFACE MOUNTED  
(UL OR ETL LISTED FOR INDOOR APPLICATION)

TYPE	NO.OF LAMPS	LUMENS (MIN)	WATT	VOLTS	REMARKS
F1	MULTIPLE LEDS	4,000	44W	120V-277V	



TYPE M2

HOUSING:  
HEAVY DUTY STAINLESS-STEEL AND END CAPS PROVIDE RIGID  
CONSTRUCTION.

LENS:  
EXTRUDED UV STABILIZED POLYCARBONATE.

CORRELATED COLOR TEMPERATURE (CCT) : 2700K – 3000K

4' LED LIGHTING FIXTURE, SURFACE/SUSPENDED MOUNTED  
(UL OR ETL LISTED FOR WET LOCATION APPLICATION)

TYPE	NO.OF LAMPS	LUMENS (MIN)	WATT	VOLTS	REMARKS
M2	MULTIPLE LEDS	4,000	42W	120V-277V	



TYPE WL

LED INTERIOR LIGHTING FIXTURE

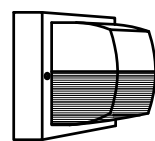
HOUSING:  
HOUSING CONSISTS OF DIE FORMED COLD ROLLED STEEL.

FINISH:  
HIGH PERFORMANCE ACRYLIC.

CORRELATED COLOR TEMPERATURE (CCT) : 2700K – 3000K

LED LIGHTING FIXTURE, WALL MOUNTED  
(UL OR ETL LISTED FOR DAMP LOCATION APPLICATION)

TYPE	NO.OF LAMPS	LUMENS (MIN)	WATT	VOLTS	REMARKS
WL	MULTIPLE LEDS	1700	24W	120V-277V	



TYPE N1

LED EXTERIOR LIGHTING FIXTURE

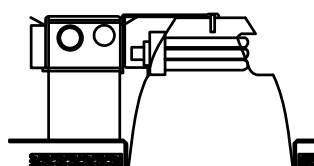
HOUSING:  
HEAVY-WALL, DIE-CAST ALUMINUM HOUSING.

FINISH:  
CAST COMPONENTS FINISHED IN A FIVE-STAGE  
POLYESTER POWDER COAT PAINT

CORRELATED COLOR TEMPERATURE (CCT) : 2700K – 3000K

WALL MOUNTED LED OUTDOOR TYPE  
(UL OR ETL LISTED FOR WET LOCATION APPLICATION)

TYPE	NO.OF LAMPS	LUMENS (MIN)	WATT	VOLTS	REMARKS
N1	MULTIPLE LEDS	2,200	26W	120V-277V	



TYPE H1

LED DOWNLIGHT INTERIOR LIGHTING FIXTURE

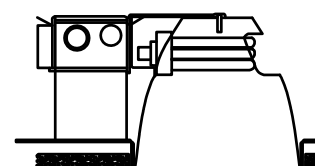
HOUSING:  
PARABOLIC ALUMINUM REFLECTOR COMBINES HIGH OPTICAL  
EFFICIENCY WITH VISUAL COMFORT

FINISH:  
RECESSED LED DOWNLIGHT WITH WHITE FINISH REFLECTOR

CORRELATED COLOR TEMPERATURE (CCT) : 2700K – 3000K

LED RECESSED DOWNLIGHT  
(UL OR ETL LISTED FOR INDOOR APPLICATION)

TYPE	NO.OF LAMPS	LUMENS (MIN)	WATT	VOLTS	REMARKS
H1	MULTIPLE LEDS	2,000	21W	120V-277V	



TYPE HE1

LED DOWNLIGHT INTERIOR LIGHTING FIXTURE

SIMILAR TO "H1" EXCEPT WITH EMERGENCY BALLAST

LED RECESSED DOWNLIGHT  
(UL OR ETL LISTED FOR INDOOR APPLICATION)

TYPE	NO.OF LAMPS	LUMENS (MIN)	WATT	VOLTS	REMARKS
HE1	MULTIPLE LEDS	2,000	21W	120V-277V	



Date	
Revision	
Mark	

Date	
Revision	
Mark	

Submitted by  
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SUBMITTAL  
95%

Date:  
14 FEB '17

REPAIR MFH, KINSEI HEIGHTS (97JUN)  
CAMP KINSEI, NYJS 16-4540 OKINAWA, JAPAN  
LIGHTING FIXTURE DETAIL AND SCHEDULE I

CONTRACT NUMBER  
SHEET REFERENCE NO.  
E-15  
SHEET: 61 OF 62

