

# TOSHIBA

## Air-Conditioning Control System Owner's Manual

### MODEL

*BMS-TP5120PWE*

*BMS-TP5120ACE*

*BMS-TP0640PWE*

*BMS-TP0640ACE*



- Thank you very much for purchasing TOSHIBA Air-Conditioning Control System.
- Please read this manual carefully beforehand for thorough understanding to use this product correctly and safely.
- Please keep this manual at hand for quick reference.
- Be sure to have the product's warranty.

### Contents

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<b>PRECAUTIONS FOR SAFETY .....</b>	<b>2</b>
<b>MAIN FUNCTIONS .....</b>	<b>3</b>
<b>MAIN SCREENS AND FUNCTIONS .....</b>	<b>4</b>
(1) Initial Screen (Function Select Button: MAIN) .....	4
(2) Schedule Screen (Function Select Button: SCHEDULE) .....	5
(3) Master Schedule Weekly Pattern Setting Screen .....	6
<b>HOW TO OPERATE .....</b>	<b>7</b>
(1) Quick Reference for Function Selection .....	7
(2) How to Operate .....	8
Monitoring Air Conditioners .....	8
Turning ON/OFF Air Conditioners .....	13
Setting Air Conditioners .....	18
Checking/Setting Operating Schedule .....	25
Checking/Setting Master Schedule .....	31
Checking/Setting Billing Schedule .....	42
Checking Alarms of Air Conditioners .....	53
Other Settings .....	53
<b>NECESSARY INFORMATION .....</b>	<b>61</b>
Reading Monthly Report Data and Energy Monitoring Data .....	61
Help Information .....	62
Consult Your Dealer When: .....	62

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# PRECAUTIONS FOR SAFETY

The following instructions must be observed.

- The product and this manual are provided with important safety notices to ensure safe use and protect the user and other people from hazards and preclude damage to property. Be sure that you fully understand the following contents (expressions and graphic symbols) and read this manual carefully. Always observe the precautions.

## Expressions



### WARNING

Text set off in this manner indicates that failure to adhere to the directions in the warning could result in serious bodily harm (\*1) or loss of life if the product is handled improperly.



### CAUTION

Text set off in this manner indicates that failure to adhere to the directions in the caution could result in serious bodily injury (\*2) or damage (\*3) to property if the product is handled improperly.

- \*1: Serious bodily harm indicates loss of eyesight, injury, burns, electric shock, bone fracture, poisoning, and other injuries which leave aftereffect and require hospitalization or long-term treatment as an outpatient.  
 \*2: Bodily injury indicates injury, burns, electric shock, and other injuries which do not require hospitalization or long-term treatment as an outpatient.  
 \*3: Damage to property indicates damage extending to buildings, household effects, domestic livestock, and pets.

## Graphic symbols



Prohibited

“⊘” indicates prohibited items.

The actual contents of the prohibition are indicated by a picture or text placed inside or next to the graphic symbol.



Compulsory

“●” indicates compulsory (mandatory) items.

The actual contents of the obligation are indicated by a picture or text placed inside or next to the graphic symbol.



Caution

“△” indicates caution items.

The actual contents of the caution are indicated by a picture or text placed inside or next to the graphic symbol.



## WARNING



Ask professional

### Ask your dealer or a professional for installation of your system.

Installation requires specialized knowledge. If you install your system yourself, fire, electric shock or injury may be caused.



Disassembly prohibited

### Do not disassemble, alter, repair or relocate the system alone.

This may cause fire, electric shock or injury. Ask your dealer for repair or relocation.



Compulsory

### Power OFF in the event of an alarm (odor, etc.).

Failure to do so may cause fire or electric shock. Ask your dealer for repair.



## CAUTION



Compulsory

### Before cleaning the unit, be sure to stop operation and turn OFF the power.

Failure to do so may cause electric shock or injury.



Prohibited

### Do not wash the unit.

This may cause electric shock.



Prohibited

### Do not touch any button with wet fingers.

This may cause electric shock.



Prohibited

### Do not put a flower vessel or a container with water on the unit.

Entering of water inside may deteriorate electrical insulation, which may cause electric shock.

# MAIN FUNCTIONS

## Monitoring and Control of Air Conditioners

- Air-Conditioning Control System monitors and controls all air conditioners collectively. Air conditioners are categorized by “Block,” “Tenant,” “Area,” and “Unit”. Display and setting for each unit are available for blocks of “Whole Building,” “Tenant,” and “Area”. Operation hours of air conditioners are stored in a CompactFlash card. Energy Monitoring is optionally available by connecting wattmeters. Furthermore, this system provides interlocking control with a fire alarm and a locking signal, and alarm output through contacts to the external.

## Checking and Setting of Operating/Master/Billing Schedules

- The scheduler controls operation of all air conditioners. Up to 20 times of ON/OFF per day can be set, and setting OFF only can prevent air conditioners from going on running unintentionally. Master schedule allows settings of weekly patterns, four special-day patterns, non-operation days, as well as monthly schedule for 12 months. In addition, billing schedule allows calculating operation hours and Energy Monitoring for in and out of working hours respectively.

## Alarm List Indication

- Displays current alarms promptly with the [Alarm List] button.

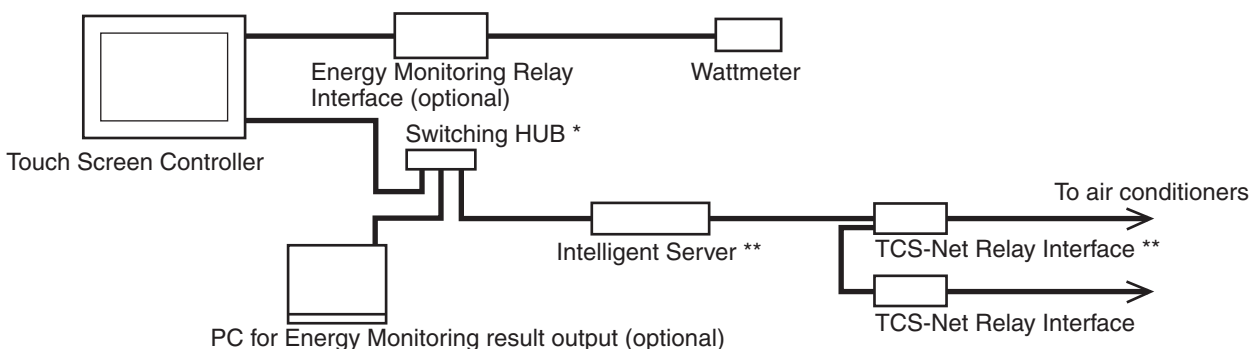
## Optional Functions

- Eight optional functions are available such as displaying alarm history, setting scheduler enable/disable, and display cleaning (disabling touch screen buttons).

## Number of Connectable Air Conditioners and Functions

Model	Number of connectable units	Energy Monitoring function	Interlocking with fire alarm/locking signal/external alarm output
BMS-TP5120PWE	512	Provided	Provided
BMS-TP5120ACE	512	Not provided	Provided
BMS-TP0640PWE	64	Provided	Provided
BMS-TP0640ACE	64	Not provided	Provided

## System Configuration



\* Switching HUB: Not required when one Intelligent Server is connected to the Touch Screen Controller.

\*\* Intelligent Server, TCS-Net Relay Interface: Number of these units varies with the number of air conditioners connected.

# MAIN SCREENS AND FUNCTIONS

## (1) Initial Screen (Function Select Button: MAIN)

**Operation buttons**

- Turns on air conditioners.
- Turns off air conditioners.
- Sets air conditioners.
- Checks air conditioners for abnormalities.

**Operation/message area**  
Displays operations and messages of the system.

**Mode setting area**  
Displays selected range and settings of air conditioners.

**Block select buttons**

- Performs total setting of all air conditioners.
- Displays all blocks in the building.
- Displays all tenants.
- Displays all areas.

**Function select buttons**

- Indicates current alarms of air conditioners
- Displays the Monitoring screen of air conditioners.
- Sets and checks schedules.
- Performs settings of options.

**Segment select buttons**

- Displays information by tenant.
- Displays information by area.
- Displays information by air conditioner.

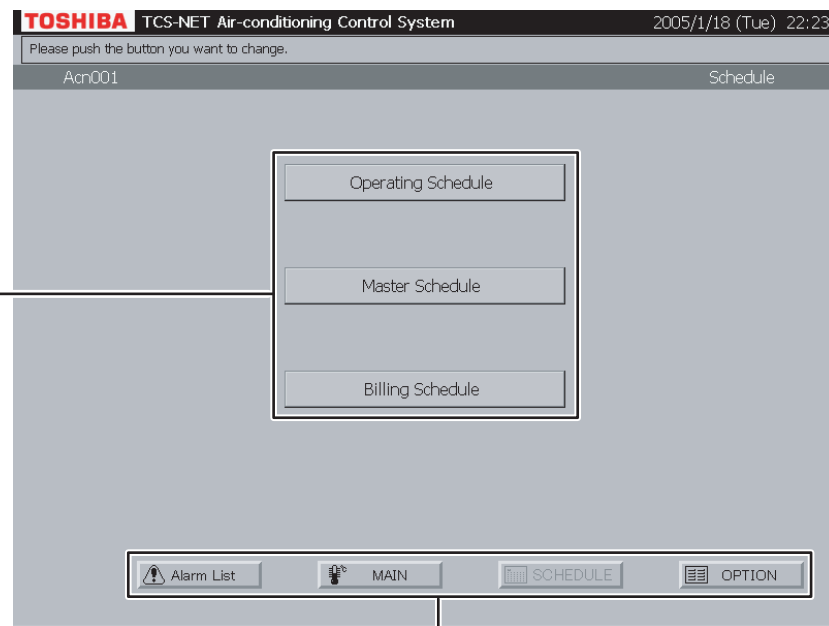
**Note**

**Screensaver**

The LCD backlight turns off automatically if there is no touch on the screen for about 10 minutes. When you touch the screen while the screensaver is active, touch a corner of the screen because the control buttons on the screen are active all the time.

Before cleaning the display screen, push [Display cleaning] (see page 55). The control buttons become disabled for 30 seconds.

## (2) Schedule Screen (Function Select Button: SCHEDULE)



Function select buttons ( see page 4 )

### Schedule buttons

Operating Schedule

Sets and checks a weekly schedule beginning with the date. Scheduler operation is performed according to the operating schedule. A weekly schedule is copied from the master schedule at 0:00 midnight everyday.

If the master schedule is updated, the updated content will be reflected in the operating schedule one week later. Therefore, always check the operating schedule.

Master Schedule

Sets and checks the master schedule. The master schedule comprises a weekly pattern, four types of special days, and non-operation days.

Billing Schedule

Sets and checks a billing schedule to charge for out of working hours.

# MAIN SCREENS AND FUNCTIONS (continued)

## (3) Master Schedule Weekly Pattern Setting Screen

### (3) -1. Weekly Pattern Setting Screen

#### [Master Schedule]

#### Copy to other section

Copies a schedule to other sections.

#### Copy to other date

Copies a schedule to other dates.

#### Weekly pattern

Sets and checks a weekly pattern.

#### Special day

Sets and checks special day patterns.

#### ALL UNITS

Selects an air conditioner whose schedule you want to check.

#### Monthly pattern

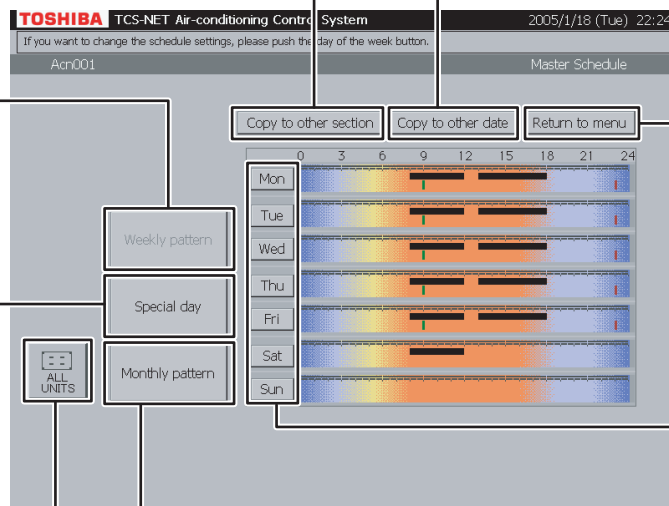
Sets and checks a monthly schedule.

#### Return to menu

Returns to the Schedule screen.

#### Mon / Tue / Wed / Thu / Fri / Sat / Sun

Sets and checks detailed schedule of a selected day of the week.



### (3) -2. Master Schedule Detail Setting Screen

#### ▲ / ▼

Sets time.

#### Delete

Deletes a schedule.

#### Undo

Undoes a schedule that is being updated.

#### 1 to 20

Changes or deletes a schedule.

#### Previous ▲ / Next ▼

Switches display of schedule list.

#### Cancel

Cancels addition or change of a schedule.

#### OFF

Turns off air conditioners at the specified time.

#### ON

Turns on air conditioners at the specified time.

#### Addition

Adds a schedule.

#### Cancel

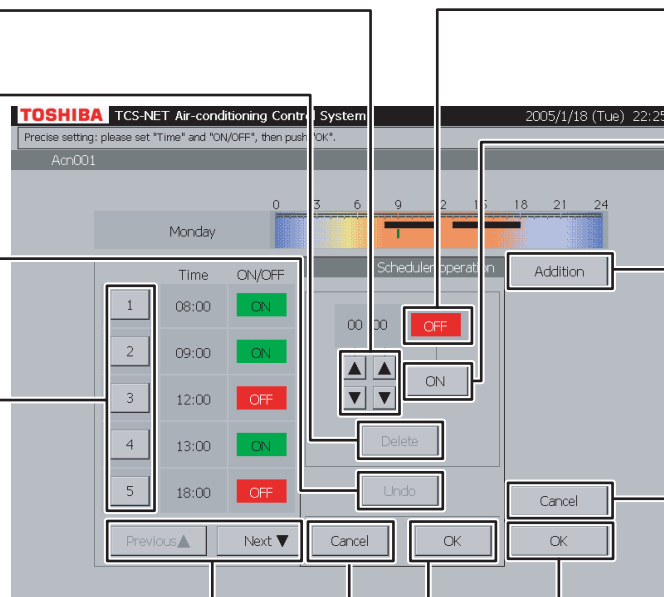
Returns to the Weekly Pattern Check screen (Fig. 20-2) without setting a daily schedule.

#### OK

Executes daily schedule setting.





#### OK

Executes addition or change of a schedule.



# HOW TO OPERATE

## (1) Quick Reference for Function Selection

Function button	Main items	Operation items	Page
	Monitoring Air Conditioners	<a href="#">1</a> Monitoring screen by block	8
		<a href="#">2</a> Monitoring screen by tenant	8
		<a href="#">3</a> Monitoring screen by area	9
		<a href="#">4</a> Monitoring screen by unit	10
	Turning ON/OFF Air Conditioners	<a href="#">5</a> ON/OFF by block	13
		<a href="#">6</a> ON/OFF by tenant	13
		<a href="#">7</a> ON/OFF by area	14
		<a href="#">8</a> ON/OFF by unit	16
	Setting Air Conditioners	<a href="#">9</a> Setting by block	18
		<a href="#">10</a> Setting by tenant	18
		<a href="#">11</a> Setting by area	19
		<a href="#">12</a> Setting by air conditioner	20
		<a href="#">13</a> Setting all air conditioners	22
		<a href="#">14</a> Settings for air conditioner operation	23
		<a href="#">15</a> Indicating alarm/filter sign	24
	Checking/Setting Operating Schedule	<a href="#">16</a> Checking operating schedule	25
		<a href="#">17</a> Setting/changing/deleting operating schedule	26
		<a href="#">18</a> Copy to other section	28
		<a href="#">19</a> Copy to other date	30
	Checking/Setting Master Schedule	<a href="#">20</a> Checking weekly pattern	31
		<a href="#">21</a> Checking special-day pattern	32
		<a href="#">22</a> Checking monthly pattern	33
		<a href="#">23</a> Setting weekly pattern	34
		<a href="#">24</a> Setting special-day pattern	36
		<a href="#">25</a> Setting monthly pattern	38
		<a href="#">26</a> Copy to other section	39
		<a href="#">27</a> Copy to other day of the week	41
	Checking/Setting Billing Schedule	<a href="#">28</a> Checking weekly pattern	42
		<a href="#">29</a> Checking special-day pattern	43
		<a href="#">30</a> Checking monthly pattern	44
		<a href="#">31</a> Setting weekly pattern	45
		<a href="#">32</a> Setting special-day pattern	47
		<a href="#">33</a> Setting monthly pattern	49
		<a href="#">34</a> Copy to other section	50
<a href="#">35</a> Copy to other day of the week		52	
	Checking Alarms of Air Conditioners	<a href="#">36</a> Checking alarms in the list	53
	Other Settings	<a href="#">37</a> Alarm history list	53
		<a href="#">38</a> Setting scheduler operation	54
		<a href="#">39</a> Cleaning display screen	55
		<a href="#">40</a> System reset	56
		<a href="#">41</a> Resetting all alarms	57
		<a href="#">42</a> Resetting all scheduler operation settings	58
		<a href="#">43</a> Synchronizing system clock	59
		<a href="#">44</a> Selecting cooling or heating mode	60
		<a href="#">45</a> Fire alarm indication	60

# HOW TO OPERATE

## (2) How to Operate

### Monitoring Air Conditioners

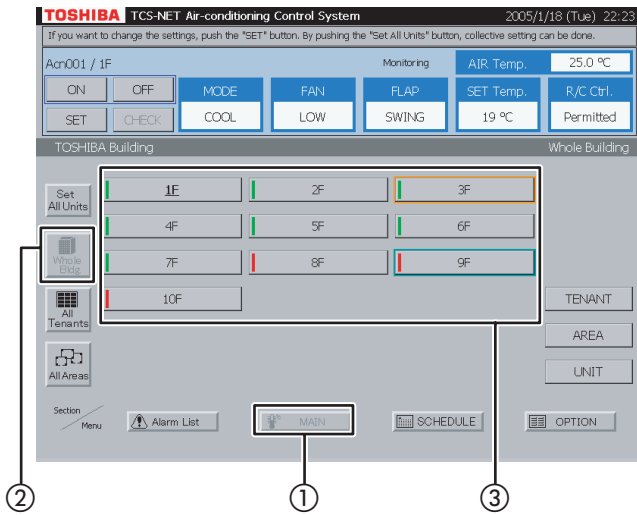


Fig. 2-1 List of All Tenants

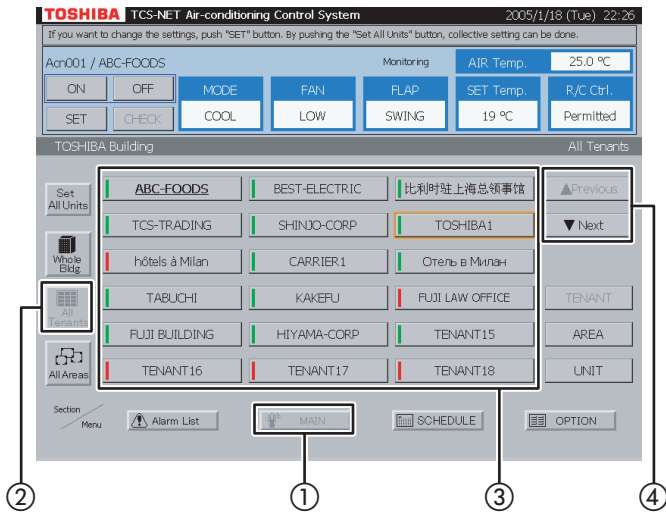
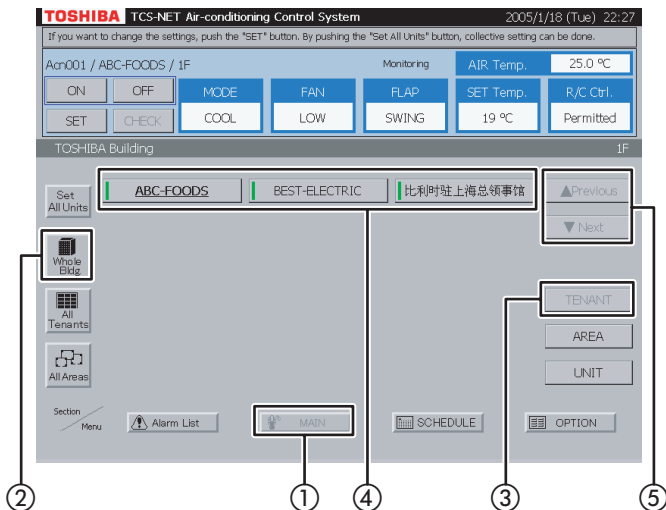


Fig. 2-2 Tenants by Block



### 1 Monitoring screen by block

- ① Select [MAIN].
- ② Select [Whole Bldg].
- ③ Choose a block whose air-conditioning state you want to check.

### 2 Monitoring screen by tenant

<Choose a tenant from all tenants>

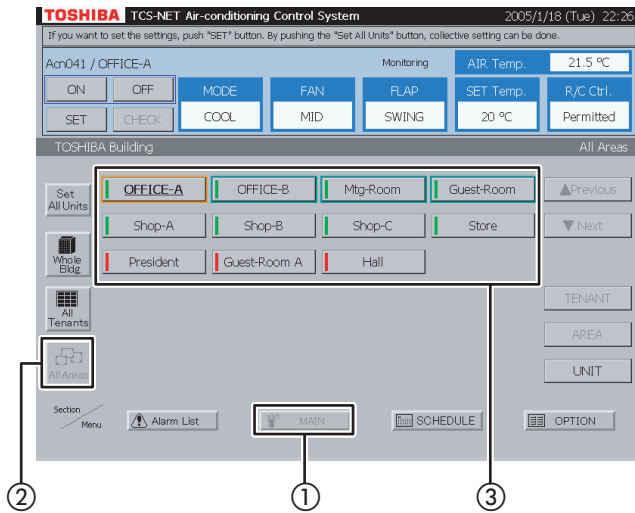
- ① Select [MAIN].
- ② Select [All Tenants].
- ③ Choose a tenant whose air-conditioning state you want to check.
- ④ When two or more pages are provided, use the [▼ Previous] and [▲ Next] buttons.

<Choose a tenant from block>

- ① Select [MAIN].
- ② Select [Whole Bldg].  
Choose a block to which tenants belong.
- ③ Select [TENANT].
- ④ Choose a tenant whose air-conditioning state you want to check.
- ⑤ When two or more pages are provided, use the [▲ Previous] and [▼ Next] buttons.



**Fig. 3-1 List of All Areas**

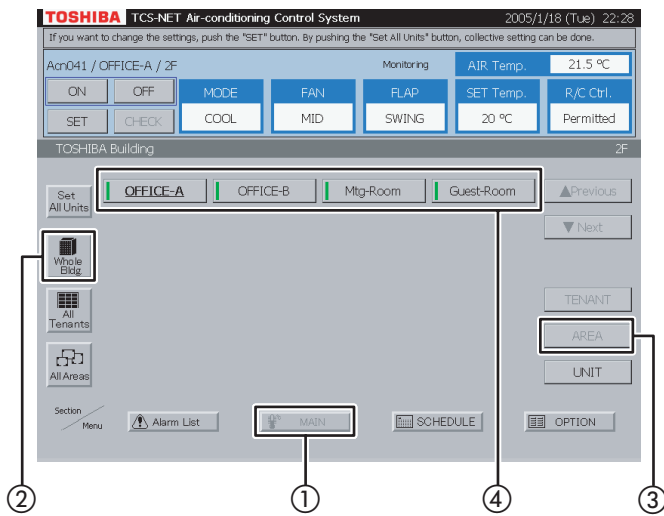


**3 Monitoring screen by area**

**<Choose an area from all areas>**

- ① Select [MAIN].
- ② Select [All Areas].
- ③ Choose an area whose air-conditioning state you want to check.

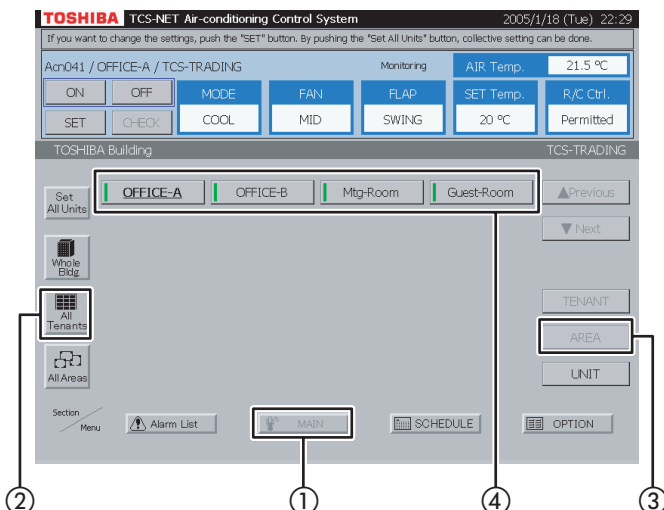
**Fig. 3-2 Areas by Block**



**<Choose an area from block>**

- ① Select [MAIN].
- ② Select [Whole Bldg].  
Choose a block to which areas belong.
- ③ Select [AREA].
- ④ Choose an area whose air-conditioning state you want to check.

**Fig. 3-3 Areas by Tenant**



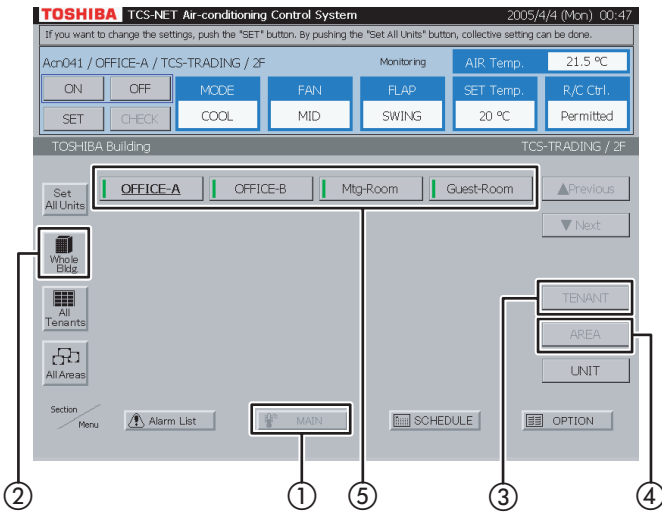
**<Choose an area from tenant>**

- ① Select [MAIN].
- ② Select [All Tenants].  
Choose a tenant to which areas belong.
- ③ Select [AREA].
- ④ Choose an area whose air-conditioning state you want to check.

# HOW TO OPERATE (continued)

## Monitoring Air Conditioners (continued)

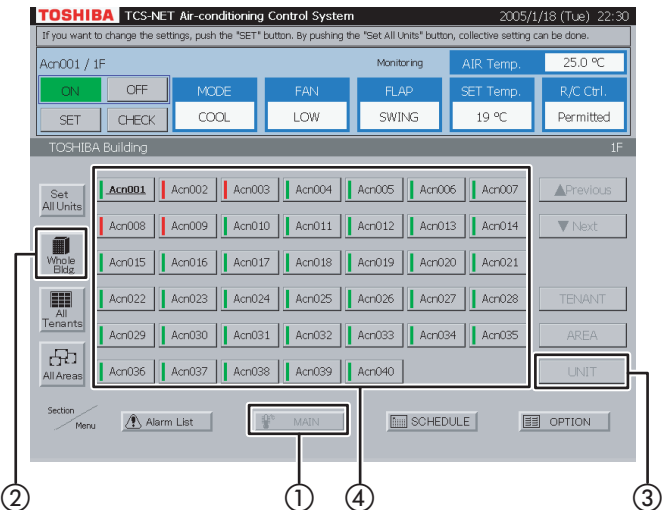
Fig. 3-4 Areas by Block/Tenant



<Choose an area from tenant by block>

- ① Select [MAIN].
- ② Select [Whole Bldg].  
Choose a block to which tenants belong.
- ③ Select [TENANT].  
Choose a tenant.
- ④ Select [AREA].
- ⑤ Choose an area whose air-conditioning state you want to check.

Fig. 4-1 Units by Block

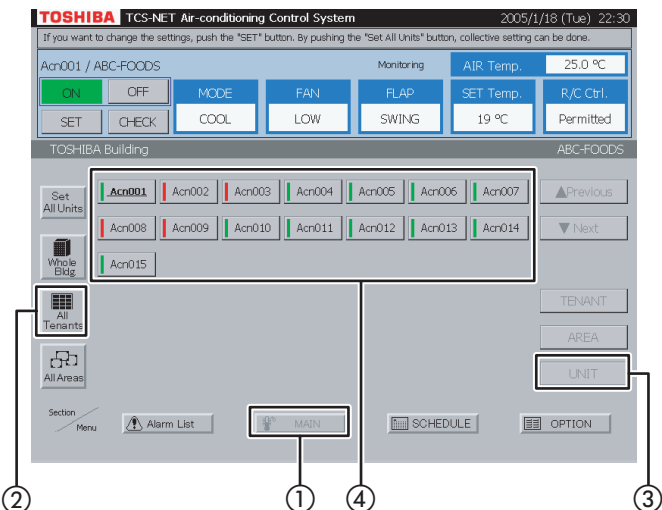


### 4 Monitoring screen by unit

<Choose an air conditioner from block>

- ① Select [MAIN].
- ② Select [Whole Bldg].  
Choose a block.
- ③ Select [UNIT].
- ④ Choose an air conditioner whose state you want to check.

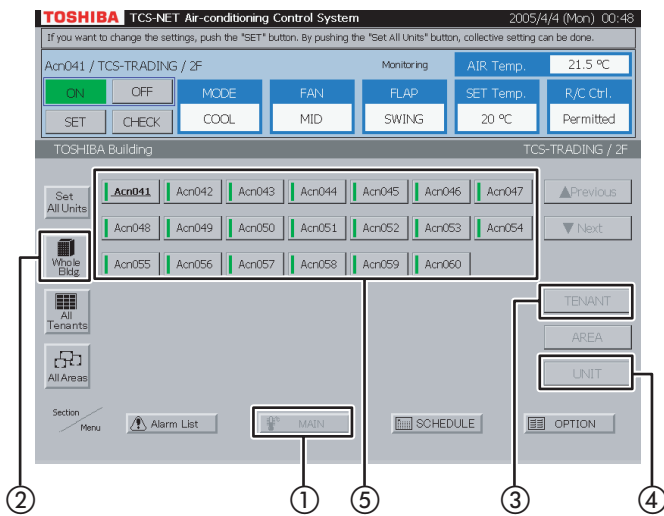
Fig. 4-2 Units by All Tenants



<Choose an air conditioner from tenant by block>

- ① Select [MAIN].
- ② Select [All Tenants].  
Choose a tenant.
- ③ Select [UNIT].
- ④ Choose an air conditioner whose state you want to check.

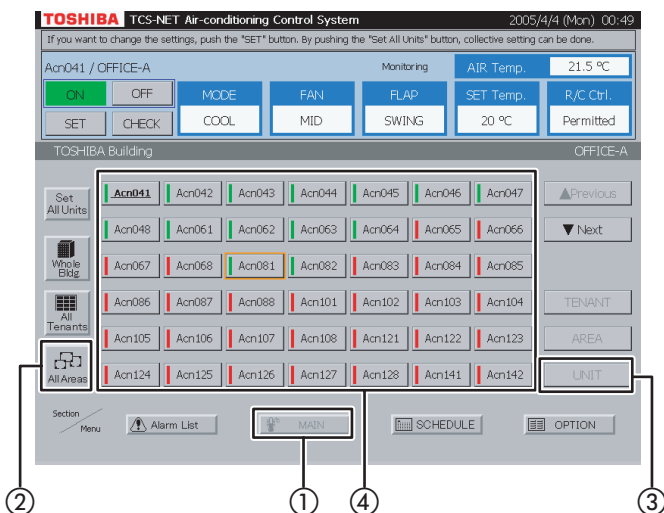
**Fig. 4-3 Units by Block/Tenant**



**<Choose an air conditioner from tenant by block>**

- ① Select [MAIN].
- ② Select [Whole Bldg].  
Choose a block to which tenants belong.
- ③ Select [TENANT].  
Choose a tenant.
- ④ Select [UNIT].
- ⑤ Choose an air conditioner whose state you want to check.

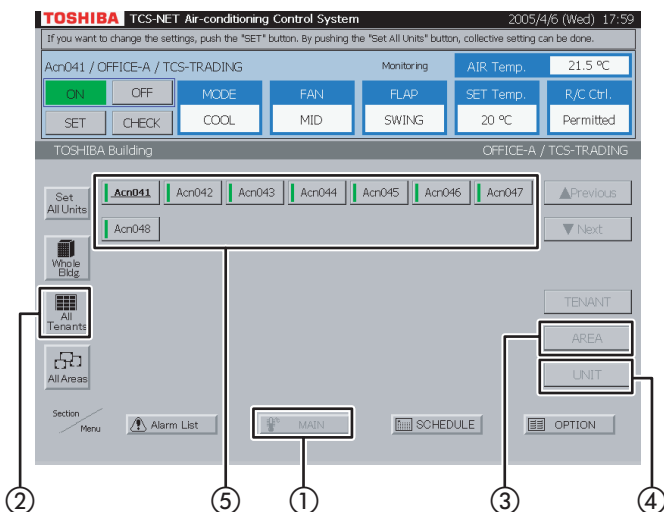
**Fig. 4-4 Units by All Areas**



**<Choose an air conditioner from area>**

- ① Select [MAIN].
- ② Select [All Areas].  
Choose an area.
- ③ Select [UNIT].
- ④ Choose an air conditioner whose state you want to check.

**Fig. 4-5 Units by All Tenants/Area**



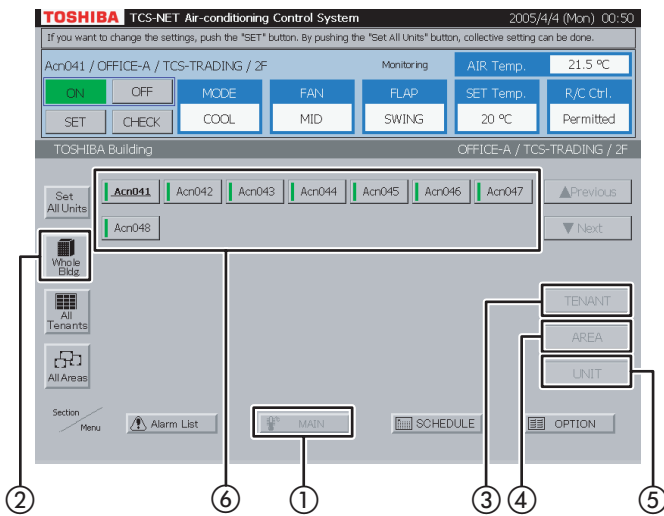
**<Choose an air conditioner from area by tenant>**

- ① Select [MAIN].
- ② Select [All Tenants].  
Choose a tenant to which areas belong.
- ③ Select [AREA].  
Choose an area.
- ④ Select [UNIT].
- ⑤ Choose an air conditioner whose state you want to check.

# HOW TO OPERATE (continued)

## Monitoring Air Conditioners (continued)

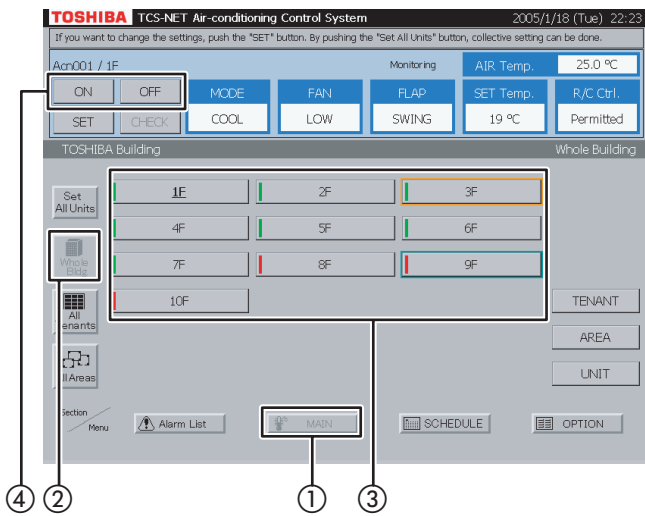
Fig. 4-6 Units by Block/Tenant/Area



<Choose an air conditioner from block/tenant/area>

- ① Select [MAIN].
- ② Select [Whole Bldg].  
Choose a block to which tenants belong.
- ③ Select [TENANT].  
Choose a tenant to which areas belong.
- ④ Select [AREA].  
Choose an area.
- ⑤ Select [UNIT].
- ⑥ Choose an air conditioner whose state you want to check.

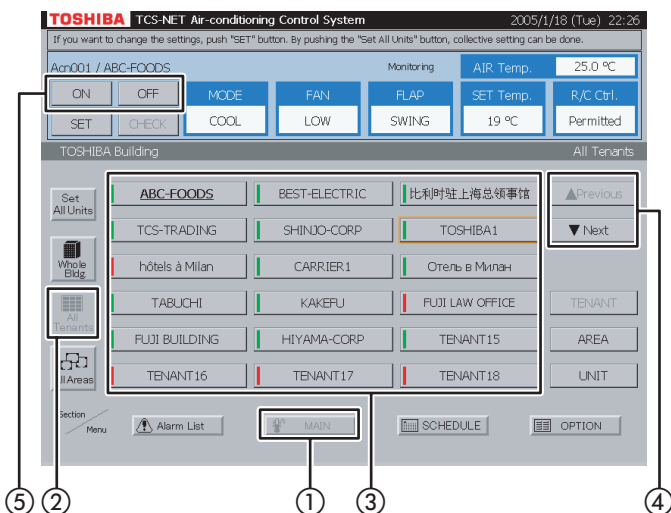
# Turning ON/OFF Air Conditioners



## 5 ON/OFF by block

- ① Select [MAIN].
- ② Select [Whole Bldg].
- ③ Choose a block for which you want to turn on/off air conditioners.
- ④ Push [ON] to turn on, and [OFF] to turn off.

Fig. 6-1 Choose from All Tenants

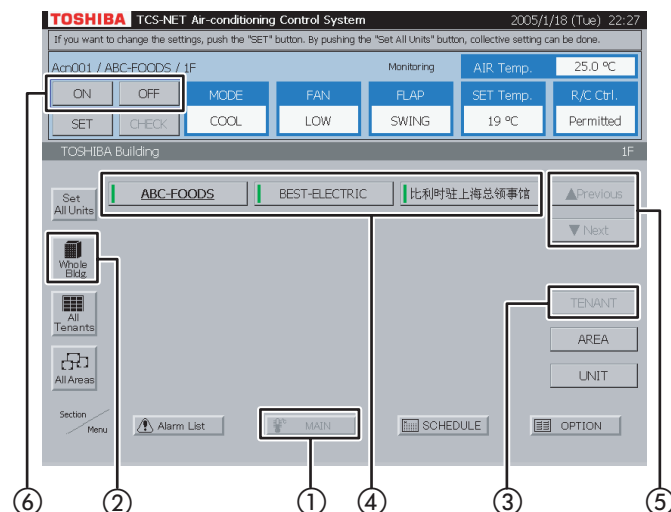


## 6 ON/OFF by tenant

<Choose a tenant from all tenants>

- ① Select [MAIN].
- ② Select [All Tenants].
- ③ Choose a tenant for which you want to turn on/off air conditioners.
- ④ When the tenant list ranges over two or more pages, use the [▲ Previous] and [▼ Next] buttons.
- ⑤ Push [ON] to turn on, and [OFF] to turn off.

Fig. 6-2 Choose Tenant by Block



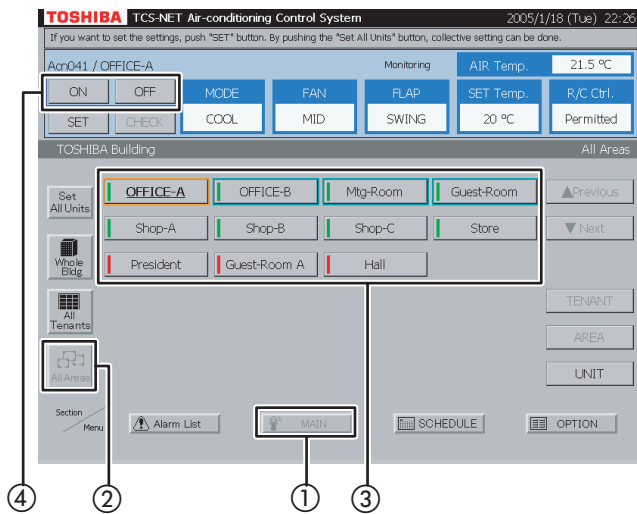
<Choose a tenant by block>

- ① Select [MAIN].
- ② Select [Whole Bldg].
- ③ Select [TENANT].
- ④ Choose a tenant for which you want to turn on/off air conditioners.
- ⑤ When the tenant list ranges over two or more pages, use the [▲ Previous] and [▼ Next] buttons.
- ⑥ Push [ON] to turn on, and [OFF] to turn off.

# HOW TO OPERATE (continued)

## Turning ON/OFF Air Conditioners (continued)

Fig. 7-1 Choose from All Areas

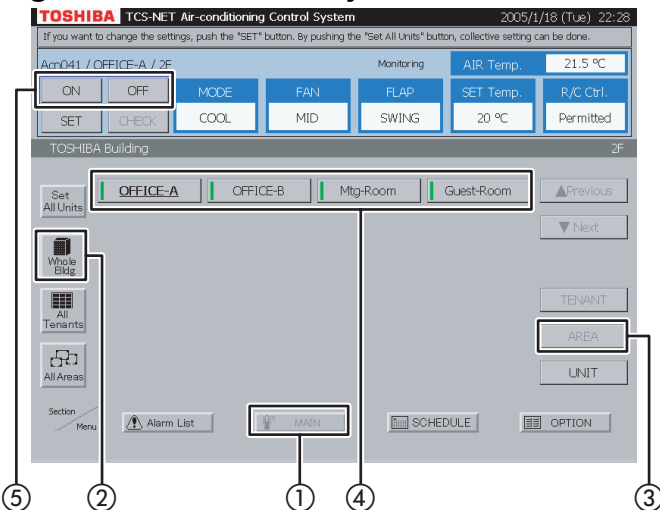


### 7 ON/OFF by area

<Choose an area from all areas>

- ① Select [MAIN].
- ② Select [All Areas].
- ③ Choose an area for which you want to turn on/off air conditioners.
- ④ Push [ON] to turn on, and [OFF] to turn off.

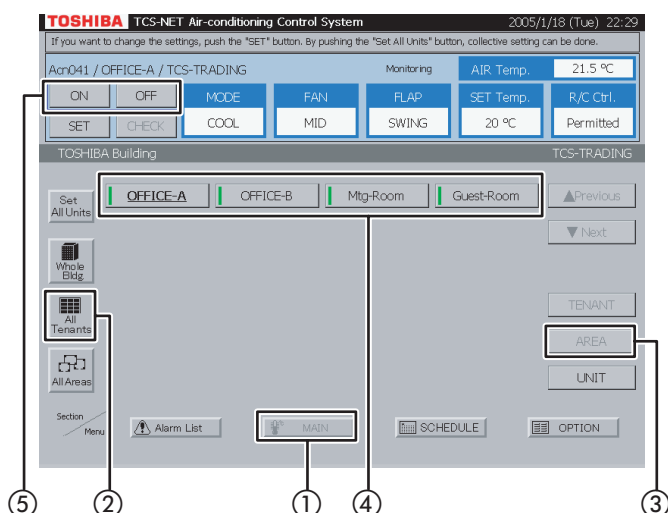
Fig. 7-2 Choose Area by Block



<Choose an area by block>

- ① Select [MAIN].
- ② Select [Whole Bldg].  
Choose a block to which areas belong.
- ③ Select [AREA].
- ④ Choose an area for which you want to turn on/off air conditioners.
- ⑤ Push [ON] to turn on, and [OFF] to turn off.

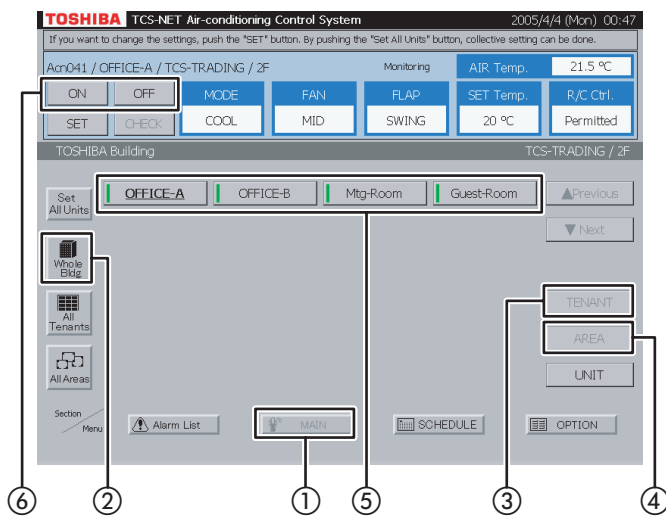
Fig. 7-3 Choose Area by Tenant



<Choose an area by tenant>

- ① Select [MAIN].
- ② Select [All Tenants].  
Choose a tenant to which areas belong.
- ③ Select [AREA].
- ④ Choose an area for which you want to turn on/off air conditioners.
- ⑤ Push [ON] to turn on, and [OFF] to turn off.

**Fig. 7-4 Choose Area from Tenant by Block**



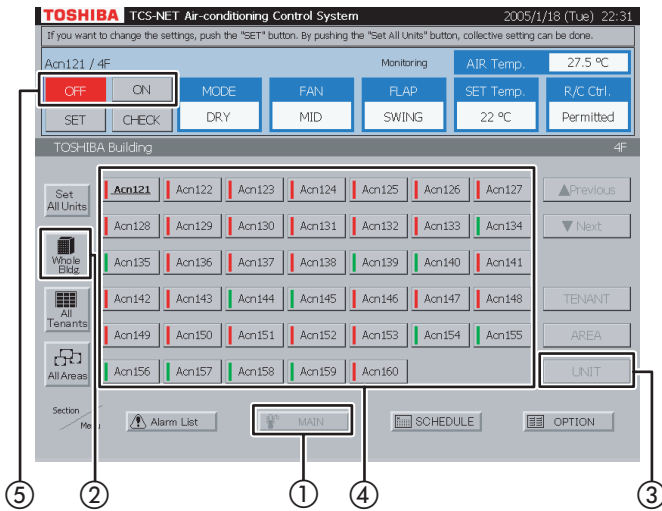
**<Choose an area from tenant by block>**

- ① Select [MAIN].
- ② Select [Whole Bldg].  
Choose a block to which tenants belong.
- ③ Select [TENANT].  
Choose a tenant to which areas belong.
- ④ Select [AREA].
- ⑤ Choose an area for which you want to turn on/off air conditioners.
- ⑥ Push [ON] to turn on, and [OFF] to turn off.

# HOW TO OPERATE (continued)

## Turning ON/OFF Air Conditioners (continued)

Fig. 8-1 Choose from Block

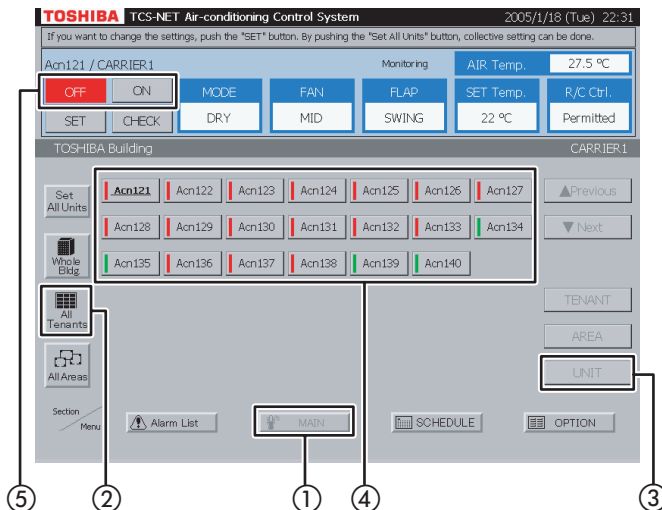


### 8 ON/OFF by unit

<Choose an air conditioner from block>

- ① Select [MAIN].
- ② Select [Whole Bldg].  
Choose a block.
- ③ Select [UNIT].
- ④ Choose an air conditioner which you want to turn on or off.
- ⑤ Push [ON] to turn on, and [OFF] to turn off.

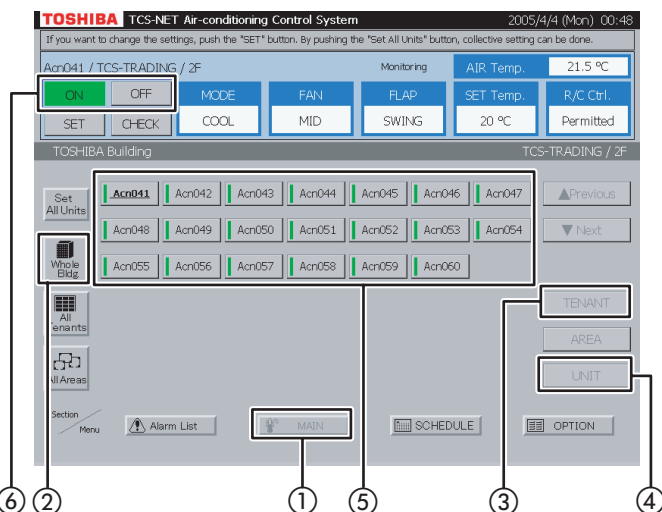
Fig. 8-2 Choose from Tenant



<Choose an air conditioner from tenant>

- ① Select [MAIN].
- ② Select [All Tenants].  
Choose a tenant.
- ③ Select [UNIT].
- ④ Choose an air conditioner which you want to turn on or off.
- ⑤ Push [ON] to turn on, and [OFF] to turn off.

Fig. 8-3 Choose from Tenant by Block

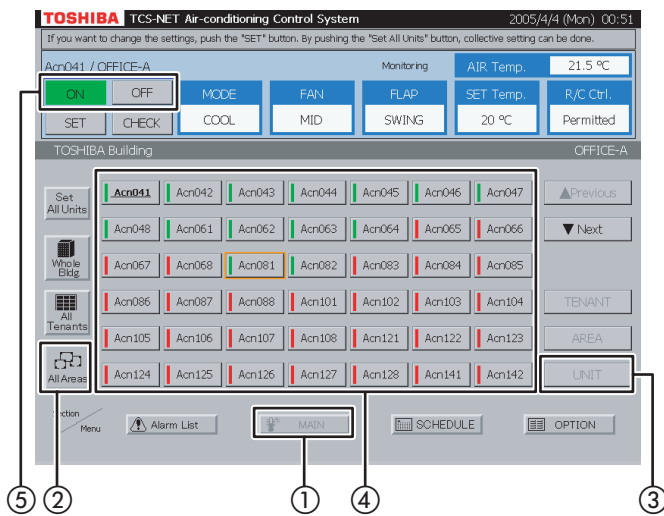


<Choose an air conditioner from tenant by block>

- ① Select [MAIN].
- ② Select [Whole Bldg].  
Choose a block to which tenants belong.
- ③ Select [TENANT].  
Choose a tenant.
- ④ Select [UNIT].
- ⑤ Choose an air conditioner which you want to turn on or off.
- ⑥ Push [ON] to turn on, and [OFF] to turn off.



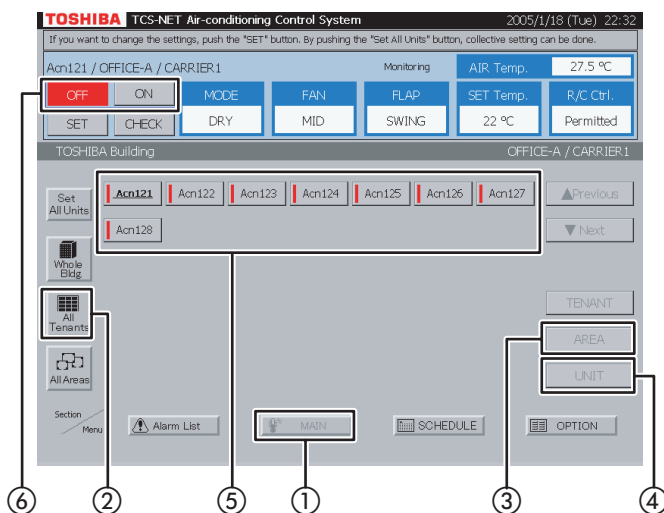
**Fig. 8-4 Choose from Area**



**<Choose an air conditioner from area>**

- ① Select [MAIN].
- ② Select [All Areas].  
Choose an area.
- ③ Select [UNIT].
- ④ Choose an air conditioner which you want to turn on or off.
- ⑤ Push [ON] to turn on, and [OFF] to turn off.

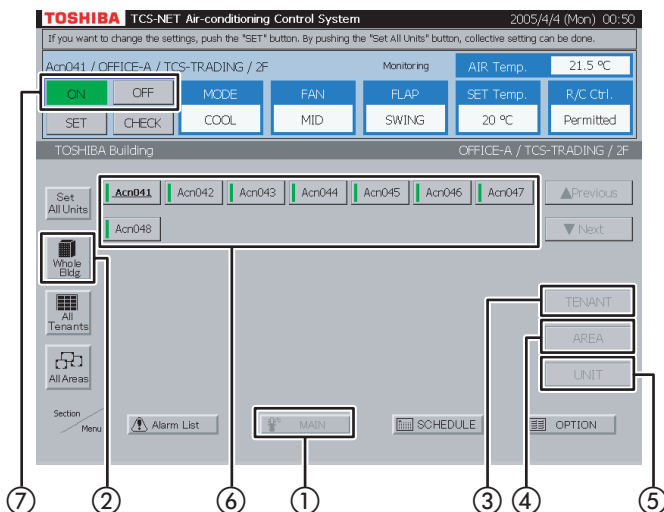
**Fig. 8-5 Choose from Area by Tenant**



**<Choose an air conditioner from area by tenant>**

- ① Select [MAIN].
- ② Select [All Tenants].  
Choose a tenant to which areas belong.
- ③ Select [AREA].  
Choose an area.
- ④ Select [UNIT].
- ⑤ Choose an air conditioner which you want to turn on or off.
- ⑥ Push [ON] to turn on, and [OFF] to turn off.

**Fig. 8-6 Choose from Block/Tenant/Area**



**<Choose an air conditioner from block/tenant/area>**

- ① Select [MAIN].
- ② Select [Whole Bldg].  
Choose a block to which tenants belong.
- ③ Select [TENANT].  
Choose a tenant.
- ④ Select [AREA].  
Choose an area.
- ⑤ Select [UNIT].
- ⑥ Choose an air conditioner which you want to turn on or off.
- ⑦ Push [ON] to turn on, and [OFF] to turn off.

# HOW TO OPERATE (continued)

## Setting Air Conditioners

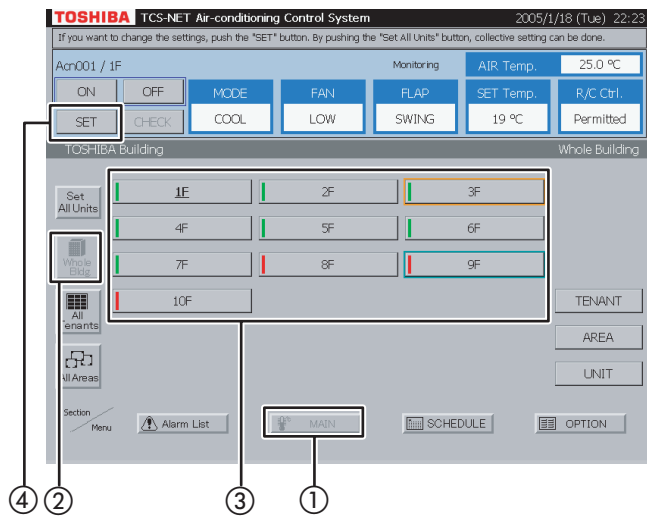


Fig. 10-1 Choose from All Tenants

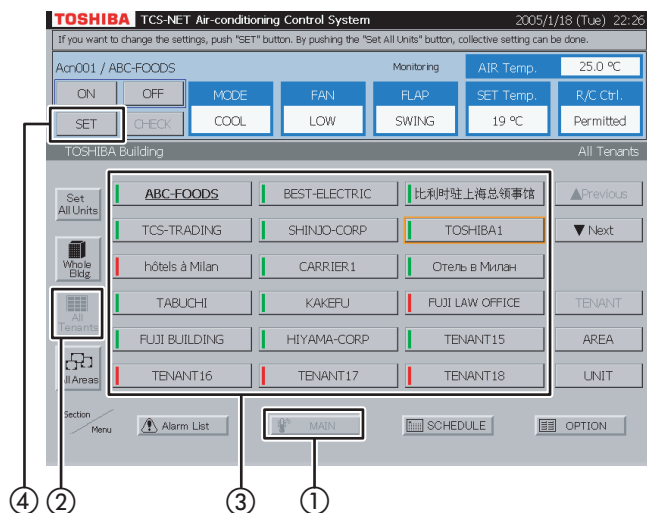
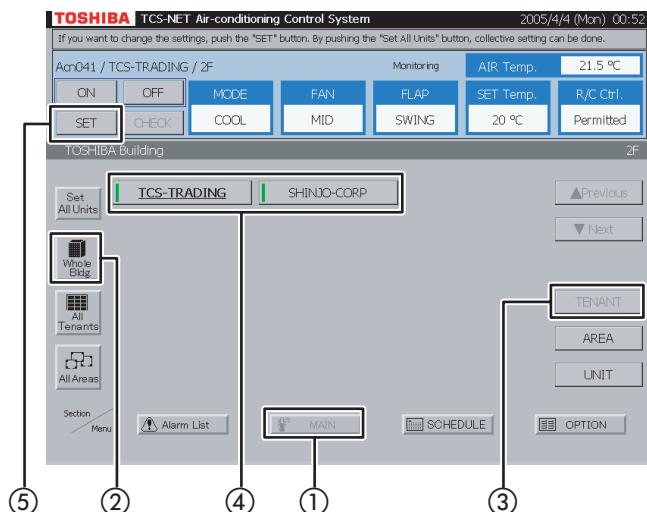


Fig. 10-2 Choose Tenant by Block



### 9 Setting by block

- ① Select [MAIN].
- ② Select [Whole Bldg].
- ③ Choose a block for which you want to set air conditioners.
- ④ Push [SET].  
For how to set air conditioners, see **14** Settings for Air Conditioner Operation.

### 10 Setting by tenant

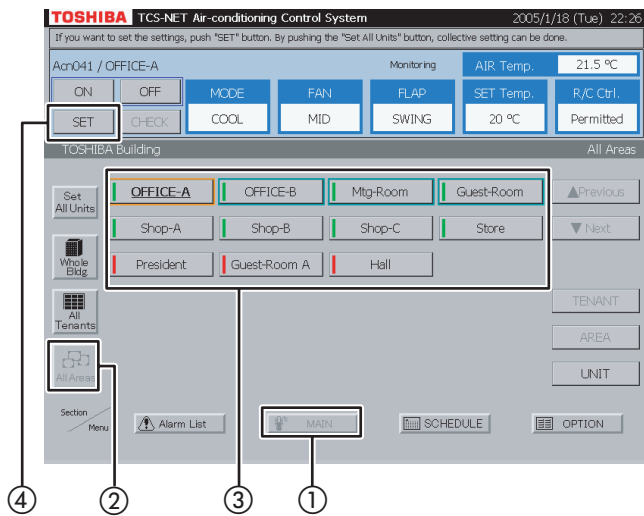
#### <Choose a tenant from all tenants>

- ① Select [MAIN].
- ② Select [All Tenants].
- ③ Choose a tenant for which you want to set air conditioners.
- ④ Push [SET].  
For how to set air conditioners, see **14** Settings for Air Conditioner Operation.

#### <Choose a tenant by block>

- ① Select [MAIN].
- ② Select [Whole Bldg].  
Choose a block to which tenants belong.
- ③ Select [TENANT].
- ④ Choose a tenant for which you want to set air conditioners.
- ⑤ Push [SET].  
For how to set air conditioners, see **14** Settings for Air Conditioner Operation.

**Fig. 11-1 Choose from All Areas**

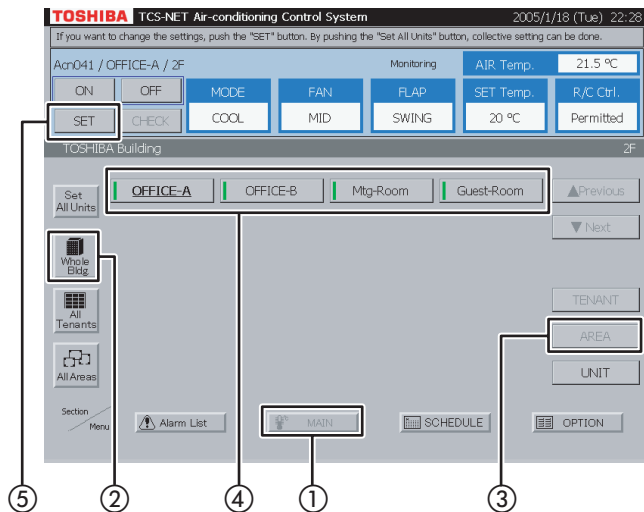


**11 Setting by area**

**<Choose an area from all areas>**

- ① Select [MAIN].
- ② Select [All Areas].
- ③ Choose an area for which you want to set air conditioners.
- ④ Push [SET].  
For how to set air conditioners, see **14** Settings for Air Conditioner Operation.

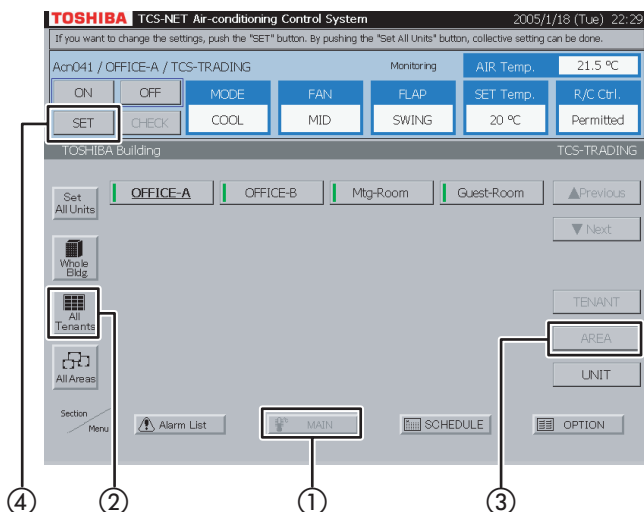
**Fig. 11-2 Choose from Area by Block**



**<Choose an area by block>**

- ① Select [MAIN].
- ② Select [Whole Bldg].  
Choose a block to which areas belong.
- ③ Select [AREA].
- ④ Choose an area for which you want to set air conditioners.
- ⑤ Push [SET].  
For how to set air conditioners, see **14** Settings for Air Conditioner Operation.

**Fig. 11-3 Choose from Area by Tenant**



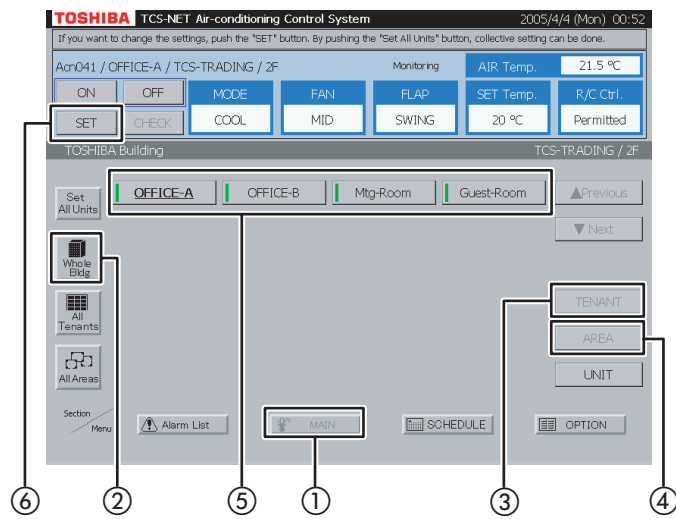
**<Choose an area by tenant>**

- ① Select [MAIN].
- ② Select [All Tenants].  
Choose a tenant to which areas belong.
- ③ Select [AREA].  
Choose an area for which you want to set air conditioners.
- ④ Push [SET].  
For how to set air conditioners, see **14** Settings for Air Conditioner Operation.

# HOW TO OPERATE (continued)

## Setting Air Conditioners (continued)

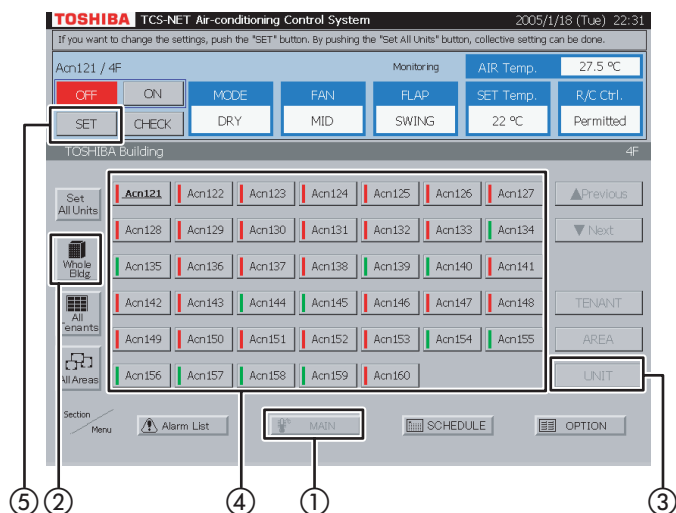
**Fig. 11-4 Choose Area from Tenant by Block**



### <Choose an area from tenant by block>

- ① Select [MAIN].
- ② Select [Whole Bldg].  
Choose a block to which tenants belong.
- ③ Select [TENANT].  
Choose a tenant to which areas belong.
- ④ Select [AREA].
- ⑤ Choose an area for which you want to set air conditioners.
- ⑥ Push [SET].  
For how to set air conditioners, see [14](#) Settings for Air Conditioner Operation.

**Fig. 12-1 Choose from Block**

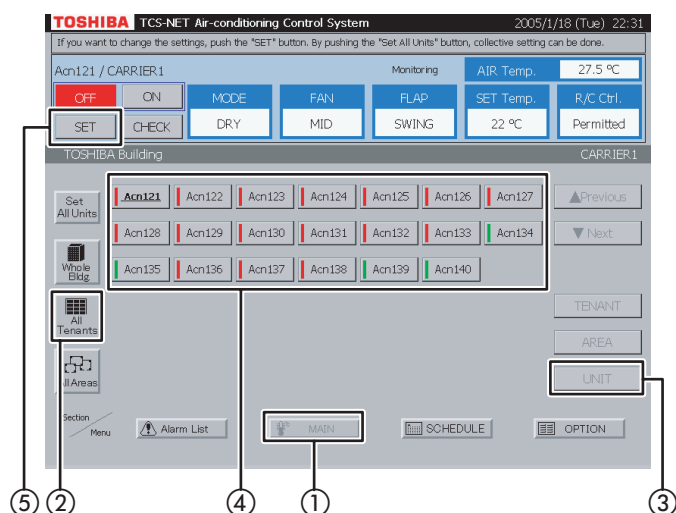


## [12](#) Setting by air conditioner

### <Choose an air conditioner from block>

- ① Select [MAIN].
- ② Select [Whole Bldg].  
Choose a block.
- ③ Select [UNIT].
- ④ Choose an air conditioner which you want to set.
- ⑤ Push [SET].  
For how to set air conditioners, see [14](#) Settings for Air Conditioner Operation.

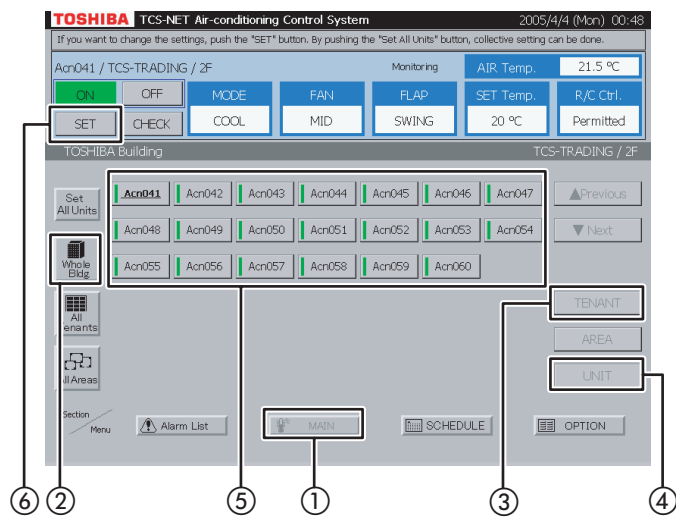
**Fig. 12-2 Choose from Tenant**



### <Choose an air conditioner from tenant>

- ① Select [MAIN].
- ② Select [All Tenants].  
Choose a tenant.
- ③ Select [UNIT].
- ④ Choose an air conditioner which you want to set.
- ⑤ Push [SET].  
For how to set air conditioners, see [14](#) Settings for Air Conditioner Operation.

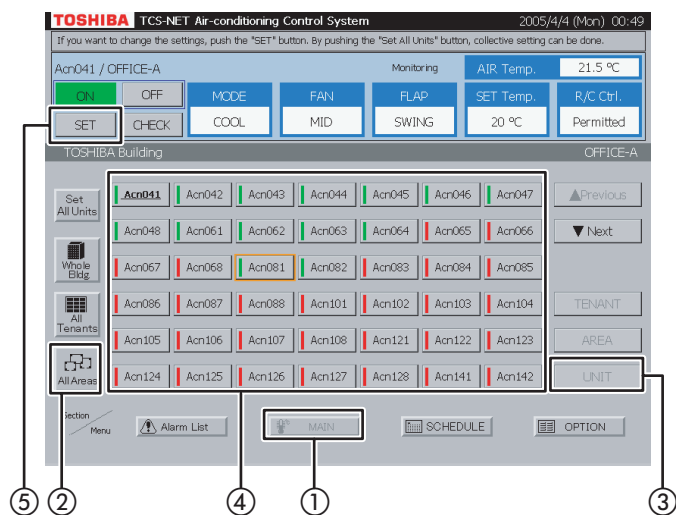
**Fig. 12-3 Choose from Tenant by Block**



**<Choose an air conditioner from tenant by block>**

- ① Select [MAIN].
- ② Select [Whole Bldg].  
Choose a block to which tenants belong.
- ③ Select [TENANT].  
Choose a tenant.
- ④ Select [UNIT].
- ⑤ Choose an air conditioner which you want to set.
- ⑥ Push [SET].  
For how to set air conditioners, see [14](#) Settings for Air Conditioner Operation.

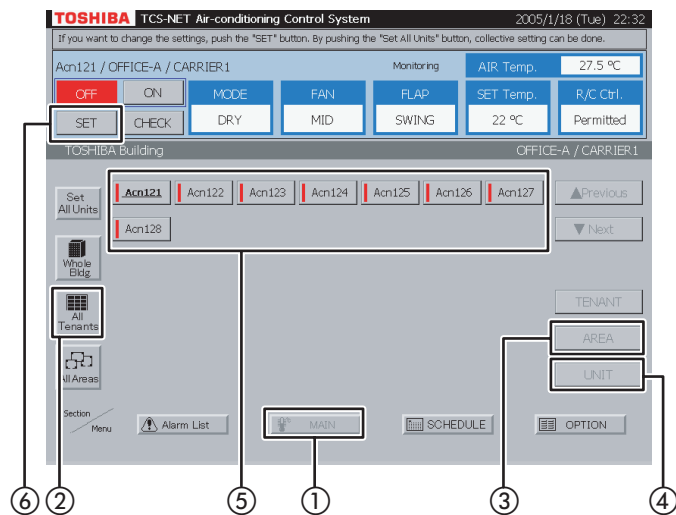
**Fig. 12-4 Choose from Area**



**<Choose an air conditioner from area>**

- ① Select [MAIN].
- ② Select [All Areas].  
Choose an area.
- ③ Select [UNIT].
- ④ Choose an air conditioner which you want to set.
- ⑤ Push [SET].  
For how to set air conditioners, see [14](#) Settings for Air Conditioner Operation.

**Fig. 12-5 Choose from Area by Tenant**



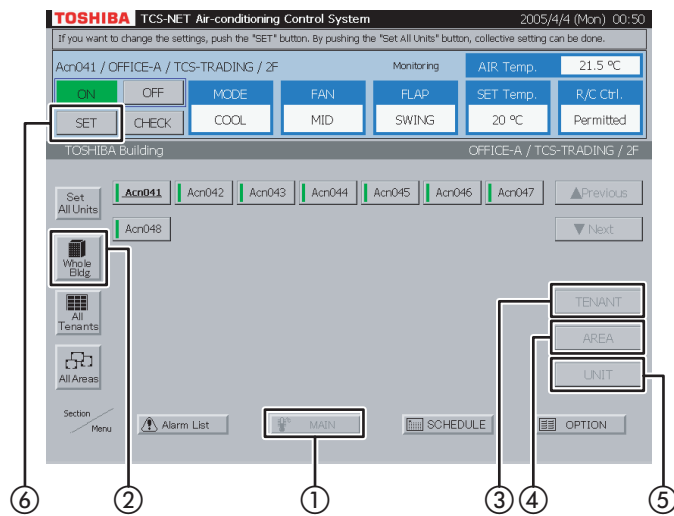
**<Choose an air conditioner from area by tenant>**

- ① Select [MAIN].
- ② Select [All Tenants].  
Choose a tenant to which areas belong.
- ③ Select [AREA].  
Choose an area.
- ④ Select [UNIT].
- ⑤ Choose an air conditioner which you want to set.
- ⑥ Push [SET].  
For how to set air conditioners, see [14](#) Settings for Air Conditioner Operation.

# HOW TO OPERATE (continued)

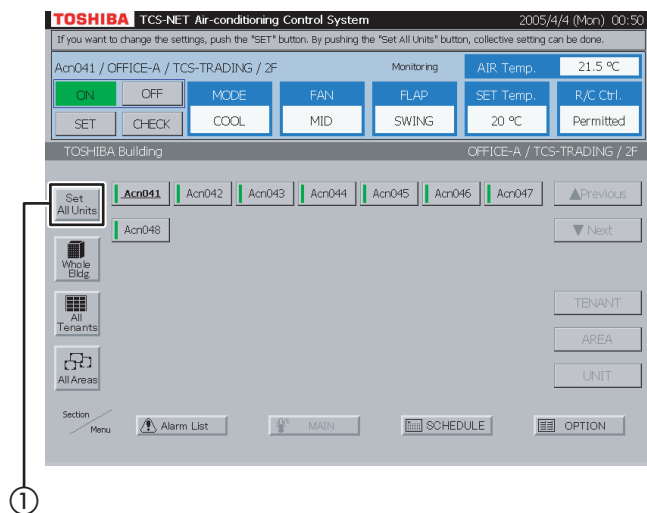
## Setting Air Conditioners (continued)

Fig. 12-6 Choose from Block/Tenant/Area



<Choose an air conditioner from block/tenant/area>

- ① Select [MAIN].
- ② Select [Whole Bldg].  
Choose a block to which tenants belong.
- ③ Select [TENANT].  
Choose a tenant to which areas belong.
- ④ Select [AREA].  
Choose an area.
- ⑤ Select [UNIT].
- ⑥ Push [SET].  
For how to set air conditioners, see [14](#) Settings for Air Conditioner Operation.

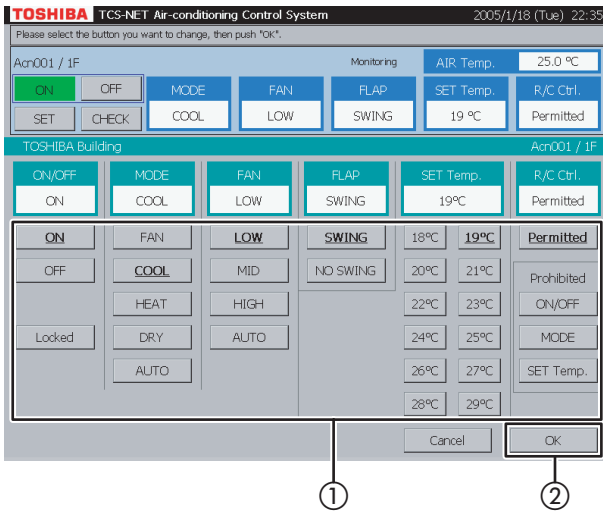


### 13 Setting all air conditioners

- ① Push [Set All Units].  
All the air conditioners shown in the list are set collectively.  
\* This is effective even when air conditioners are listed on two or more pages.

In the example of this screen, all the four air conditioners are set.

For how to set air conditioners, see [14](#) Settings for Air Conditioner Operation.



## 14 Settings for air conditioner operation

The following describes settings of operation mode, fan speed, set temperature, R/C control, etc. Push [SET] - [Set All Units] to open the screen shown left. (Refer to 9 to 13 for operations to display the setting screen.)

For blank items, the current settings of each air conditioner are continuously valid. When performing total setting for all units, be careful that the displayed settings are valid for all selected air conditioners as control settings.

### [Setting]

- ① Set operation mode, fan speed, set temperature and other items individually.
- ② Push [OK]. The settings are transmitted and the setting screen closes. If you push [Cancel], the setting screen closes with no settings transmitted.

## [Content of Setting Screen]

### <MODE>

#### [FAN]

Sets operation mode to fan only operation.

#### [COOL]

Sets operation mode to cooling operation.

#### [HEAT]

Sets operation mode to heating operation.

#### [DRY]

Sets operation mode to dry operation.

#### [AUTO]

Each air conditioner selects operation mode automatically.

### <ON/OFF>

#### [ON]

Turns on air conditioners.

#### [OFF]

Turns off air conditioners.

#### [Locked]

Turns off air conditioners forcibly, and inhibits operations by R/C control. To enable operations, select [Permitted] of R/C Ctrl.

### <R/C Ctrl.>

#### [Permitted]

Enables all operations by R/C Ctrl.

#### [Prohibited]

Limits operations of the remote control connected to an air conditioner.

#### [ON/OFF]

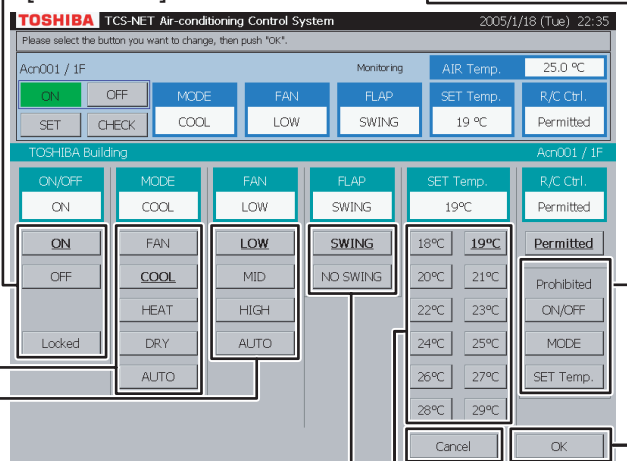
Inhibits ON/OFF operation by R/C Ctrl.

#### [MODE]

Inhibits the operation mode by R/C Ctrl.

#### [SET Temp.]

Inhibits changing of temperature set by R/C Ctrl.



### <FAN>

#### [LOW]

Sets low fan speed.

#### [MID]

Sets medium fan speed.

#### [HIGH]

Sets high fan speed.

#### [AUTO]

Each air conditioner selects fan speed automatically.

### <FLAP>

#### [SWING]

Swings the flap.

#### [NO SWING]

Stops swinging the flap.

### <SET Temp.>

18°C - 29°C

Temperature is set to a selected temperature.

### [OK]

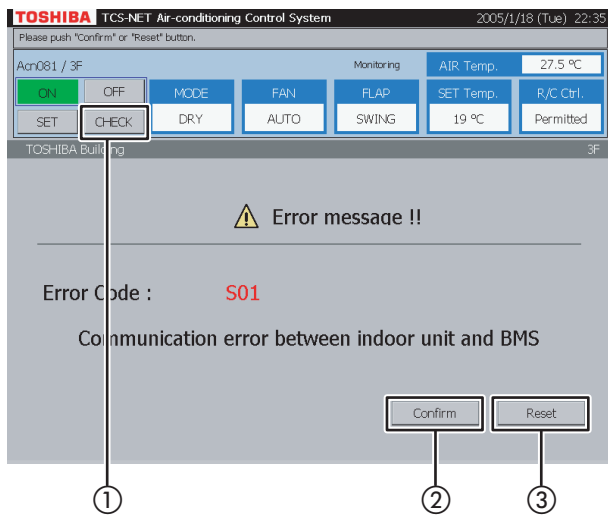
Executes the setting.

### [Cancel]

Does not execute the setting and returns to the Monitoring screen.

# HOW TO OPERATE (continued)

## Setting Air Conditioners (continued)



### 15 Indicating alarm/filter sign

Select an alarm air conditioner, and ① push [CHECK]. An alarm indication or filter sign appears on the screen.

(The CHECK button is not available when block, tenant or area is selected.)

When an air conditioner with no alarm is selected, no alarm is indicated.

② Push [Confirm] to return to the previous screen.

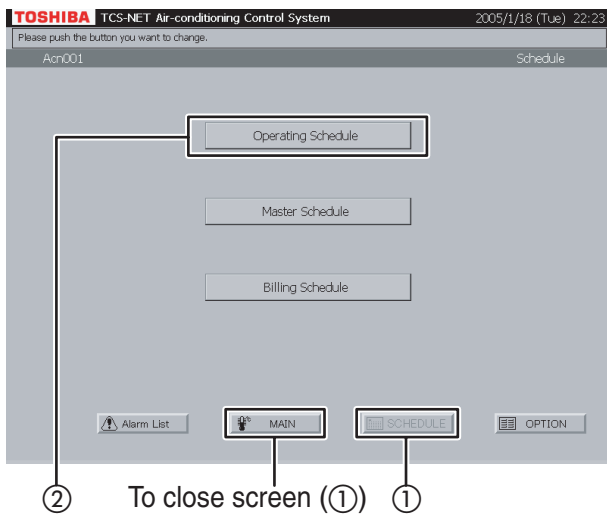
③ When [Reset] is pushed, an alarm clear signal is transmitted to the alarm air conditioner to clear the alarm signal. A confirmation message appears before the alarm clear signal is transmitted.

If both an alarm and filter sign occur simultaneously, alarm indication takes precedence.



# Checking/Setting Operating Schedule

**Fig. 16-1 Schedule Screen**



## 16 Checking operating schedule

- ① Push [SCHEDULE].  
The Schedule screen (Fig. 16-1) appears.  
To close this screen, push [MAIN].
- ② Push [Operating Schedule]. The Operating Schedule Check screen (Fig. 16-2) appears.

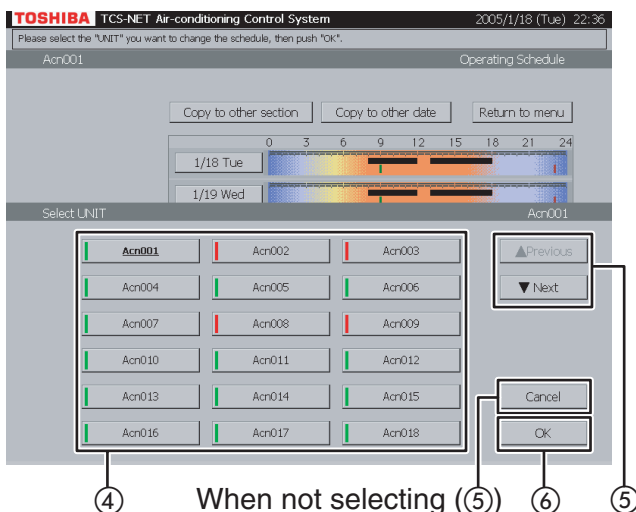
Black line ..... ON to OFF  
 Green line ..... ON only  
 Red line ..... OFF only

- ③ When [ALL UNITS] is pushed, a list of all units is displayed (Fig. 16-3).
- ④ Choose an air conditioner whose schedule you want to check.
- ⑤ When the list ranges over two or more pages, use the [▲ Previous] and [▼ Next] buttons.  
If you choose no air conditioner, push [Cancel].
- ⑥ Push [OK] after choosing an air conditioner.
- ⑦ Push [Return to menu] to return to the Schedule screen (Fig. 16-1).

**Fig. 16-2 Operating Schedule Check Screen**



**Fig. 16-3 Selection from All Units**



# HOW TO OPERATE (continued)

## Checking/Setting Operating Schedule (continued)

Fig. 17-1 Operating Schedule Check Screen



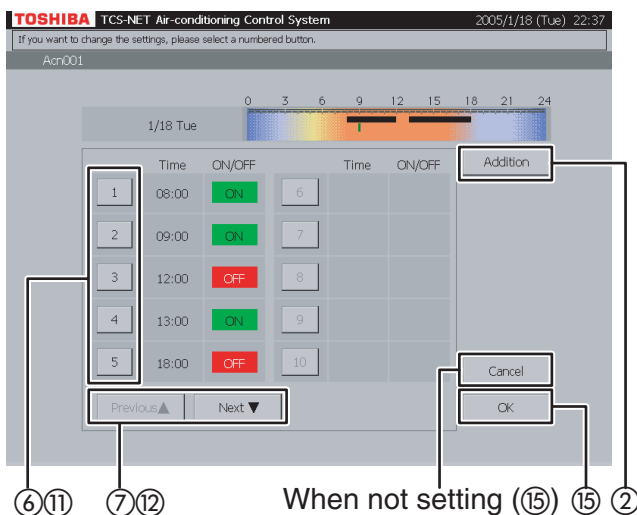
### 17 Setting/changing/deleting operating schedule

- ① Push a day of the week button.  
The Operating Schedule Setting screen (Fig. 17-2) appears.

#### <Addition>

- ② Push [Addition].  
The Operating Schedule Detail Setting screen (Fig. 17-3) appears.
- ③ Set time for operation ON or OFF with the ▲ and ▼ buttons.
- ④ Push [ON] to run or [OFF] to stop.  
To undo the setting to the previous state, push [Undo].
- ⑤ Confirm the setting, and then push [OK] on the Detail Setting screen.  
If you do not add the operating schedule, push [Cancel] on the Detail Setting screen.

Fig. 17-2 Operating Schedule Setting Screen

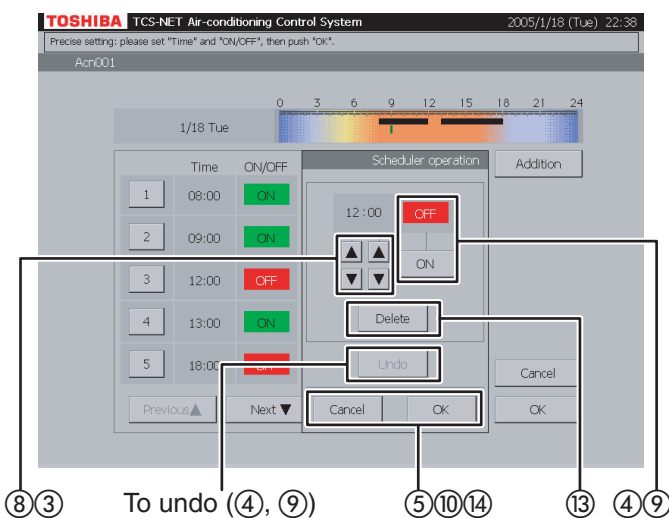


#### <Change>

- ⑥ Push a number (1 to 20) whose operating schedule you want to change.  
The schedule list ranges on two pages.
- ⑦ Switch the list using the [Previous ▲] and [Next ▼] buttons.

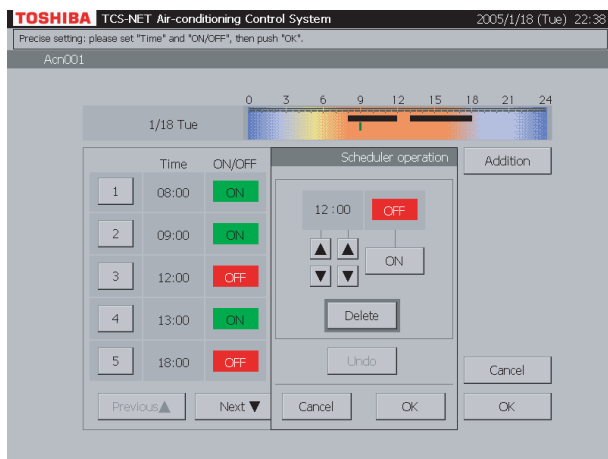
The Detail Setting screen (Fig. 17-3) appears.

Fig. 17-3 Operating Schedule Detail Setting Screen



- ⑧ When you change ON or OFF time, use the ▲ and ▼ buttons.
- ⑨ Push [ON] or [OFF] to change ON/OFF mode.  
To undo the changed setting to the previous state, push [Undo].
- ⑩ Confirm the setting, and then push [OK] on the Detail Setting screen.  
If you do not change the operating schedule, push [Cancel] on the Detail Setting screen.

**Fig. 17-4 Operating Schedule Detail Setting Screen (Delete Operation)**



**<Delete>**

- ⑪ Push a number (1 to 20) whose operating schedule you want to change. The schedule list ranges on two pages.
- ⑫ Switch the list using the [Previous ▲] and [Next ▼] buttons.

The Detail Setting screen (Fig. 17-3) appears.

- ⑬ Push [Delete]. The outline of the [Delete] button is highlighted gray (Fig. 17-4). To undo the deletion to the previous state, push [Undo].
- ⑭ Push [OK] on the Detail Setting screen to delete the selected operating schedule. If you do not delete the operating schedule, push [Cancel] on the Detail Setting screen.
- ⑮ Confirm the addition, change or deletion setting, and then push [OK]. If you cancel the addition, change or deletion setting, push [Cancel].

# HOW TO OPERATE (continued)

## Checking/Setting Operating Schedule (continued)

Fig. 18-1 Operating Schedule Screen



### 18 Copy to other section

- ① Push [Copy to other section].  
The screen (Fig. 18-2) appears.
- ② Choose one or more dates you want to copy.  
To select whole week, push [Select all]. Selected dates are highlighted with bold type and underline.  
If you do not copy schedule, push [Cancel].
- ③ Push [BLOCK] to copy schedule to a block. A block list is displayed (Fig. 18-3).  
Push [TENANT] to copy schedule to a tenant. A tenant list is displayed (Fig. 18-4).  
Push [AREA] to copy schedule to an area. An area list is displayed (Fig. 18-5).  
Push [UNIT] to copy schedule to another air conditioner. A unit list is displayed (Fig. 18-6).
- ④ When the list ranges over two or more pages, use the [▲ Previous] and [▼ Next] buttons.  
If you do not copy schedule, push [Cancel].
- ⑤ Push [OK] to copy schedule to the selected section.

Fig. 18-2 “Copy to Other Section” Screen

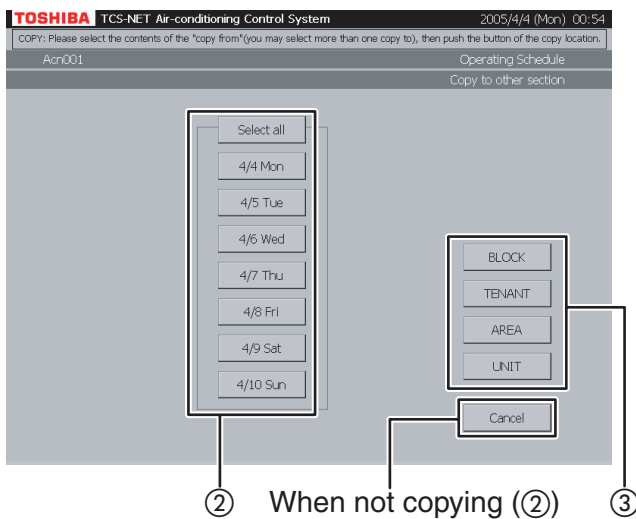
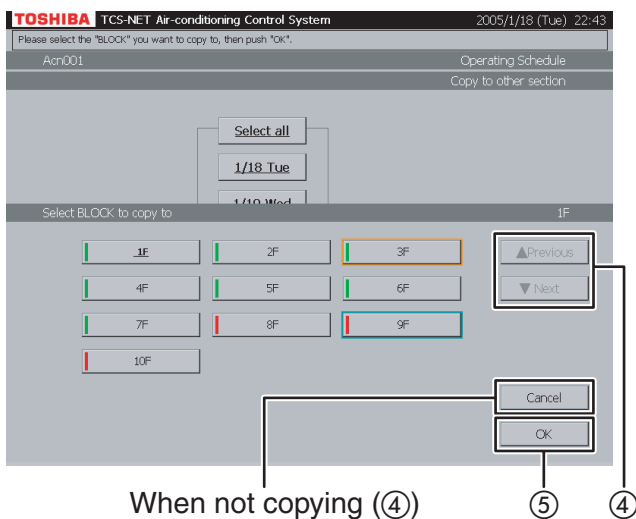
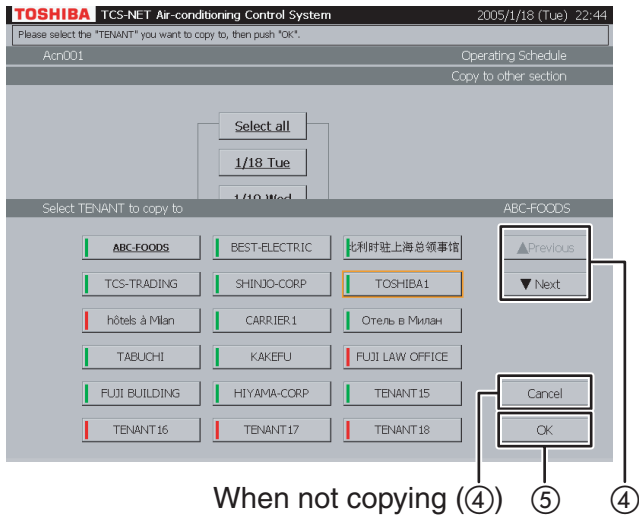


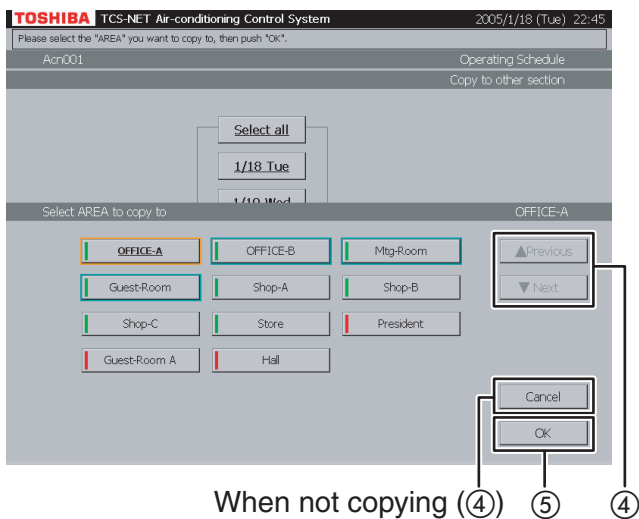
Fig. 18-3 Block Select Screen



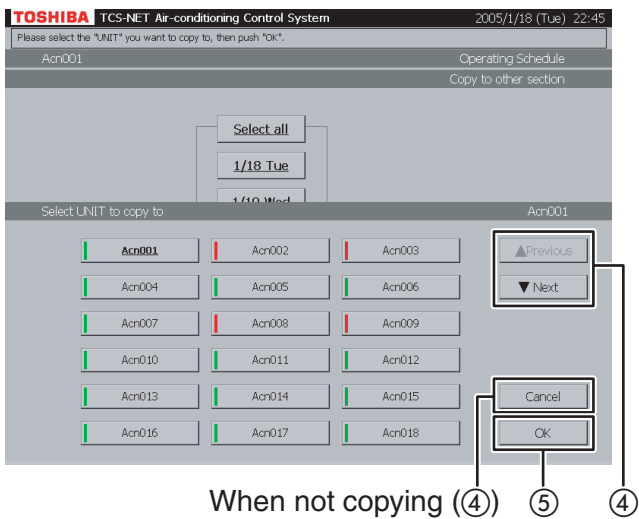
**Fig. 18-4 Tenant Select Screen**



**Fig. 18-5 Area Select Screen**



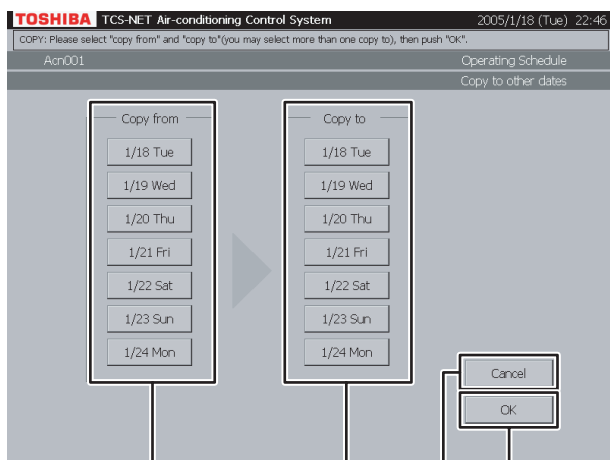
**Fig. 18-6 Unit Select Screen**



# HOW TO OPERATE (continued)

## Checking/Setting Operating Schedule (continued)

---



①

②

③

When not copying (②)

### 19 Copy to other date

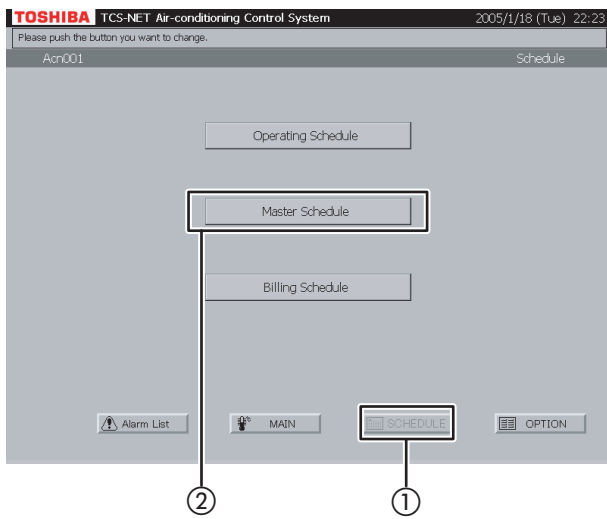
- ① Choose a date of copy origin.
- ② Choose one or more dates of copy destination.

If you cancel the copy, push [Cancel].

- ③ Push [OK] to perform the copy.

# Checking/Setting Master Schedule

**Fig. 20-1 Schedule Screen**

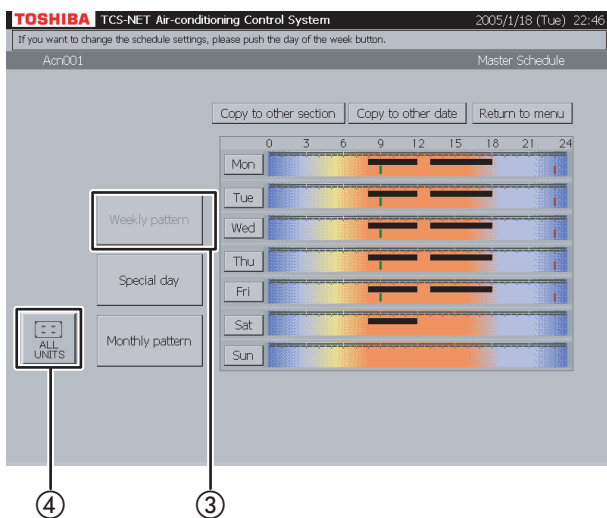


## 20 Checking weekly pattern

- ① Push [SCHEDULE].  
The Schedule screen (Fig. 20-1) appears.
- ② Push [Master Schedule].  
The screen (Fig. 20-2) appears.
- ③ Push [Weekly pattern]. (This button is active at the time when this screen opens.)

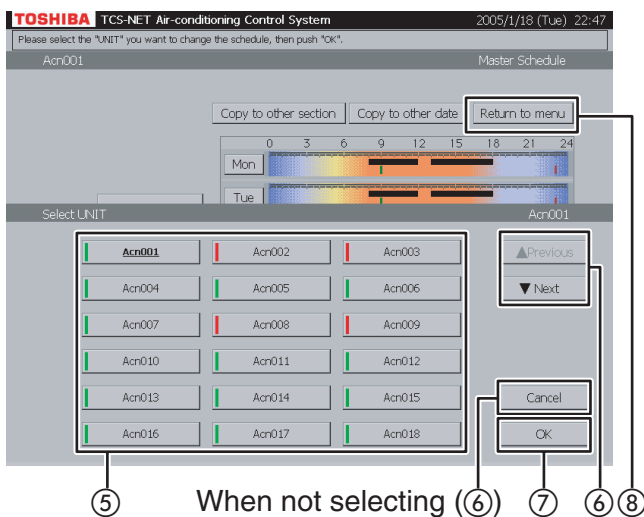
Black line ..... ON to OFF  
 Green line ..... ON only  
 Red line ..... OFF only

**Fig. 20-2 Checking Weekly Pattern**



- ④ To check schedules of other air conditioners, push [ALL UNITS].  
The screen (Fig. 20-3) appears.
- ⑤ Choose an air conditioner whose schedule you want to check.
- ⑥ When the unit list ranges over two or more pages, use the [▲ Previous] and [▼ Next] buttons.  
If you choose no air conditioner, push [Cancel].
- ⑦ Push [OK]. The schedule of the selected air conditioner is displayed.
- ⑧ Push [Return to menu] to return to the Schedule screen (Fig. 20-1).

**Fig. 20-3 Selection from All Units**

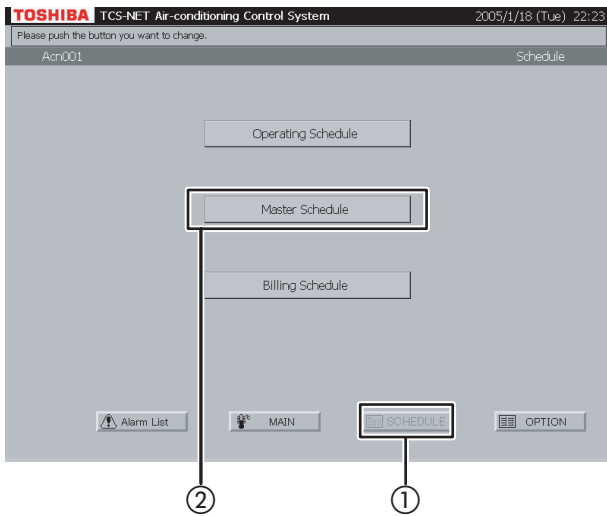


When not selecting (6) (7) (6) (8)

# HOW TO OPERATE (continued)

## Checking/Setting Master Schedule (continued)

Fig. 21-1 Schedule Screen



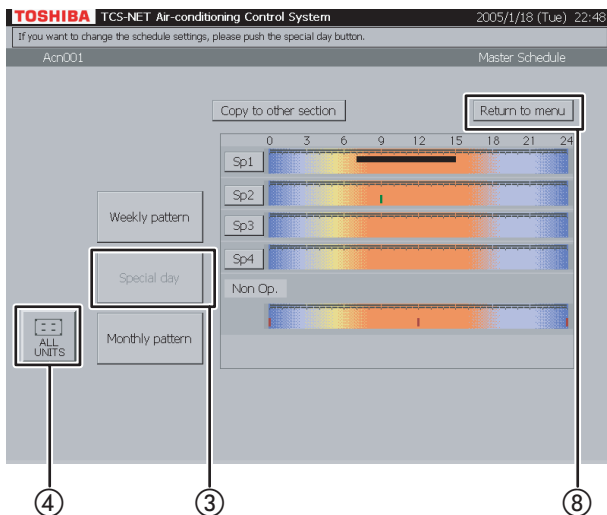
### 21 Checking special-day pattern

- ① Push [SCHEDULE].  
The Schedule screen (Fig. 21-1) appears.
- ② Push [Master Schedule].  
The screen (Fig. 21-2) appears.
- ③ Push [Special day].

Black line ..... ON to OFF  
 Green line ..... ON only  
 Red line ..... OFF only

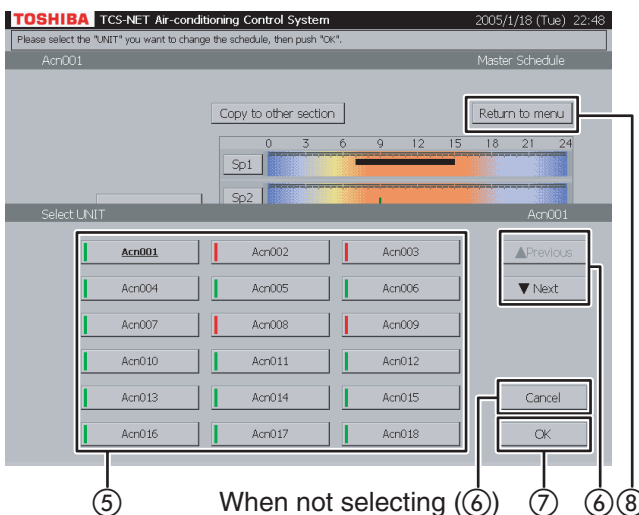
- ④ To check schedules of other air conditioners, push [ALL UNITS].  
The screen (Fig. 21-3) appears.

Fig. 21-2 Checking Special-day Pattern



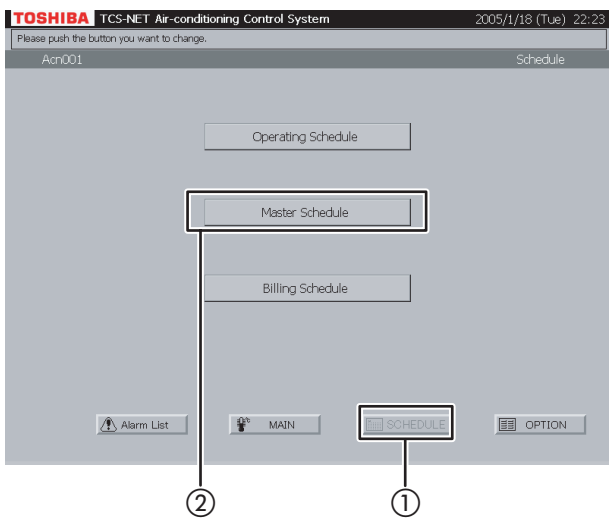
- ⑤ Choose an air conditioner whose schedule you want to check.
- ⑥ When the unit list ranges over two or more pages, use the [▲ Previous] and [▼ Next] buttons.  
If you choose no air conditioner, push [Cancel].
- ⑦ Push [OK]. The schedule of the selected air conditioner is displayed.
- ⑧ Push [Return to menu] to return to the Schedule screen (Fig. 21-1).

Fig. 21-3 Selection from All Units

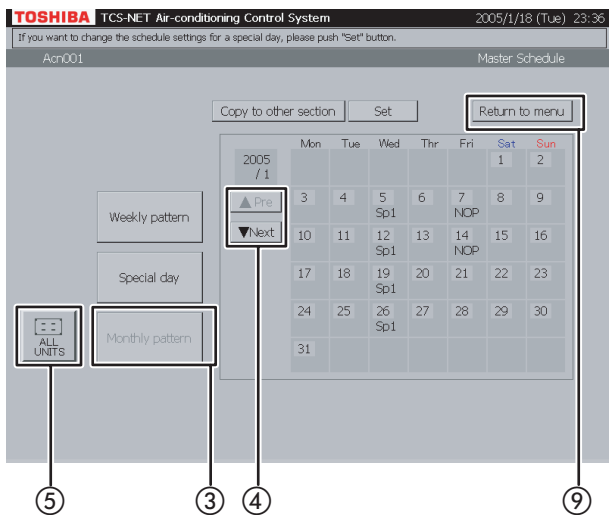




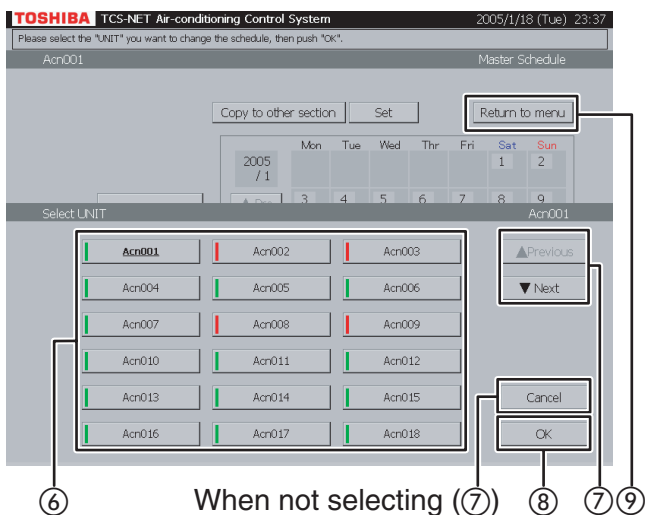
**Fig. 22-1 Schedule Screen**



**Fig. 22-2 Checking Monthly Pattern**



**Fig. 22-3 Selection from All Units**



**22 Checking monthly pattern**

- ① Push [SCHEDULE].  
The Schedule screen (Fig. 22-1) appears.
- ② Push [Master Schedule].  
The screen (Fig. 22-2) appears.
- ③ Push [Monthly pattern]. A calendar of the current month appears for monthly pattern check.
- ④ Use the [▲ Pre] and [▼ Next] buttons to display other months (12 months including the current month).
- ⑤ To check schedules of other air conditioners, push [ALL UNITS].  
The screen (Fig. 22-3) appears.
- ⑥ Choose an air conditioner whose schedule you want to check.
- ⑦ When the unit list ranges over two or more pages, use the [▲ Previous] and [▼ Next] buttons.  
If you cancel the selection, push [Cancel].
- ⑧ Push [OK]. The monthly pattern of the selected air conditioner is displayed.
- ⑨ Push [Return to menu] to return to the Schedule screen (Fig. 22-1).

# HOW TO OPERATE (continued)

## Checking/Setting Master Schedule (continued)

Fig. 23-1 Weekly Pattern Check Screen

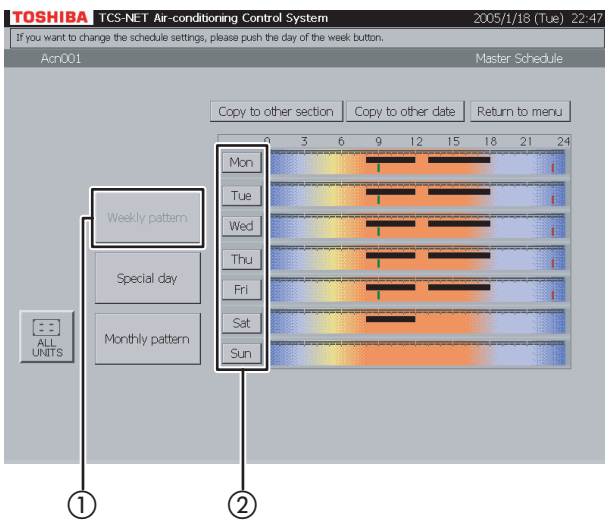


Fig. 23-2 Weekly Pattern Setting Screen

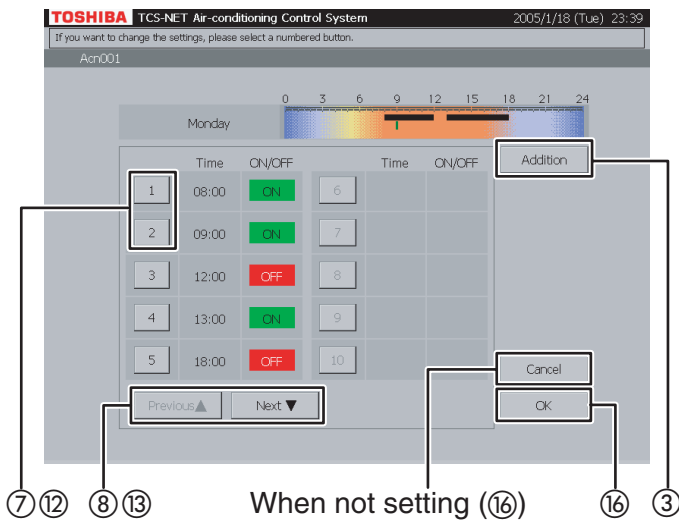
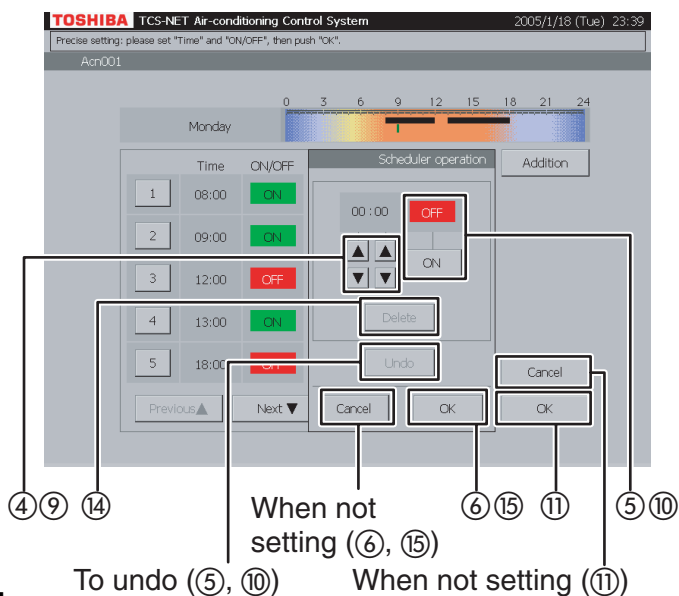


Fig. 23-3 Master Schedule Detail Setting Screen



### 23 Setting weekly pattern

- ① Push [Weekly pattern].
- ② Push the button of a day of the week you want to set.  
The Weekly Pattern Setting screen (Fig. 23-2) appears.

#### <Addition>

- ③ Push [Addition].  
The Master Schedule Detail Setting screen (Fig. 23-3) appears.
- ④ Set time for operation ON or OFF with the ▲ and ▼ buttons.
- ⑤ Push [ON] to run or [OFF] to stop.  
To undo the setting to the previous state, push [Undo].
- ⑥ Confirm the setting, and then push [OK] on the Detail Setting screen.  
If you do not add the weekly pattern, push [Cancel] on the Detail Setting screen.

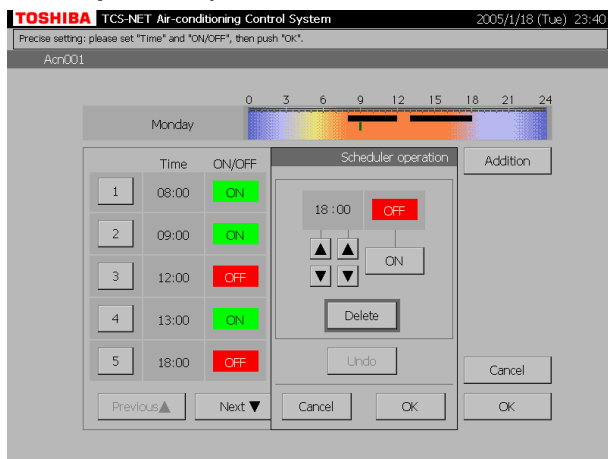
#### <Change>

- ⑦ Push a number (1 to 20) whose weekly pattern you want to change.  
The schedule list ranges on two pages.
- ⑧ Switch the list using the [Previous ▲] and [Next ▼] buttons.

The Detail Setting screen (Fig. 23-3) appears.

- ⑨ To change ON or OFF time, use the ▲ and ▼ buttons.
- ⑩ Push [ON] or [OFF] to change ON/OFF mode.  
To undo the changed setting to the previous state, push [Undo].
- ⑪ Confirm the setting, and then push [OK] on the Detail Setting screen.  
If you do not change the weekly pattern, push [Cancel] on the Detail Setting screen.

**Fig. 23-4 Master Schedule Detail Setting Screen (Delete Operation)**



**<Delete>**

- ⑫ Push a number (1 to 20) whose weekly pattern you want to change.  
The schedule list ranges on two pages.
- ⑬ Switch the list using the [Previous ▲] and [Next ▼] buttons.

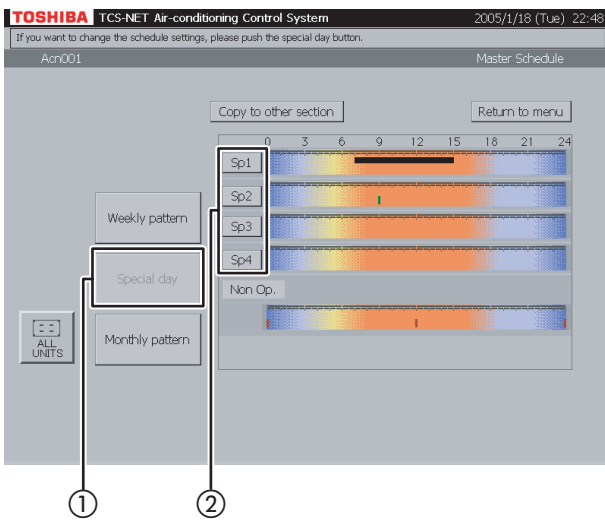
The Detail Setting screen (Fig. 23-3) appears.

- ⑭ Push [Delete].  
The outline of the [Delete] button is highlighted gray (Fig. 23-4).  
To undo the deletion to the previous state, push [Undo].
- ⑮ Push [OK] on the Detail Setting screen to delete the selected weekly pattern.  
If you do not delete the weekly pattern, push [Cancel] on the Detail Setting screen.
- ⑯ Confirm the addition, change or deletion setting, and then push [OK].  
If you cancel the addition, change or deletion setting, push [Cancel].

# HOW TO OPERATE (continued)

## Checking/Setting Master Schedule (continued)

Fig. 24-1 Special-day Pattern Check Screen



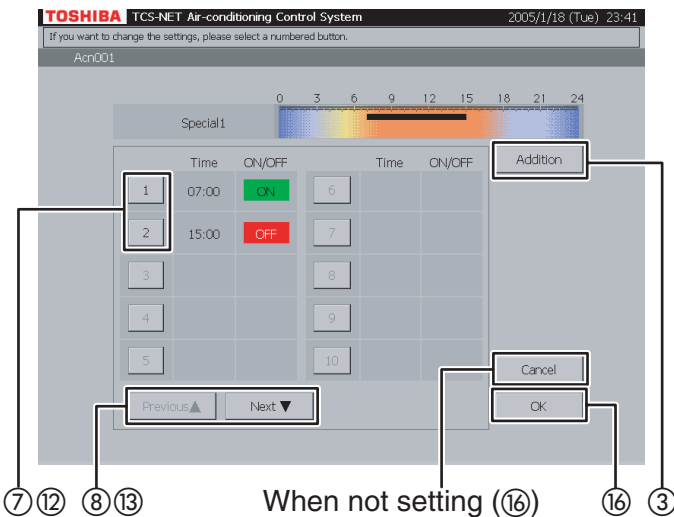
### 24 Setting special-day pattern

- ① Push [Special day].
- ② Push a special-day button ([Sp1] to [Sp4]) you want to set.  
The Weekly Pattern Setting screen (Fig. 24-2) appears.

#### <Addition>

- ③ Push [Addition].  
The Master Schedule Detail Setting screen (Fig. 24-3) appears.
- ④ Set time for operation ON or OFF with the ▲ and ▼ buttons.
- ⑤ Push [ON] to run or [OFF] to stop.  
To undo the setting to the previous state, push [Undo].
- ⑥ Confirm the setting, and then push [OK] on the Detail Setting screen.  
If you do not add the special-day pattern, push [Cancel] on the Detail Setting screen.

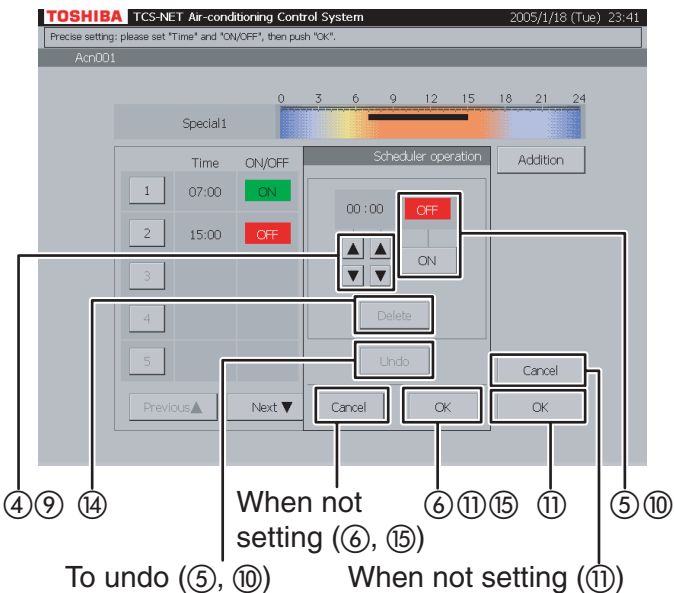
Fig. 24-2 Special-day Pattern Setting Screen



#### <Change>

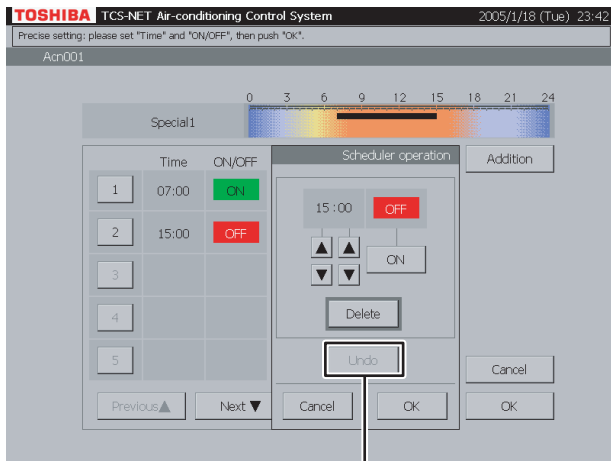
- ⑦ Push a number (1 to 20) whose pattern you want to change.  
The schedule list ranges on two pages.
- ⑧ Switch the list using the [Previous ▲] and [Next ▼] buttons.

Fig. 24-3 Master Schedule Detail Setting Screen



- The Detail Setting screen (Fig. 24-3) appears.
- ⑨ To change ON or OFF time, use the ▲ and ▼ buttons.
  - ⑩ Push [ON] or [OFF] to change ON/OFF mode.  
To undo the changed setting to the previous state, push [Undo].
  - ⑪ Confirm the setting, and then push [OK] on the Detail Setting screen.  
If you do not change the pattern, push [Cancel] on the Detail Setting screen.

**Fig. 24-4 Master Schedule Detail Setting Screen (Delete Operation)**



To undo (14)

**<Delete>**

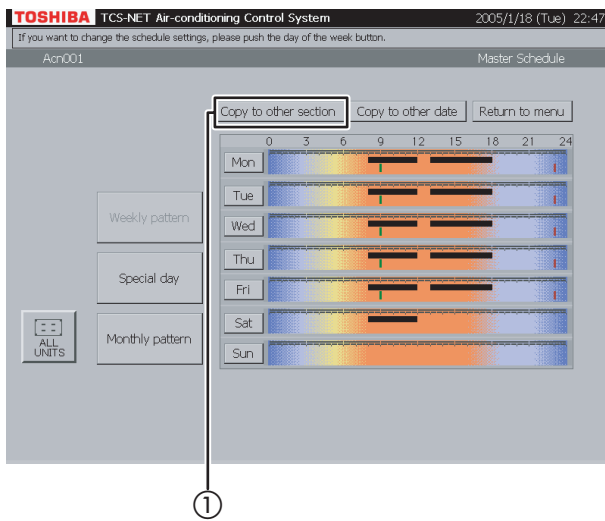
- ⑫ Push a number (1 to 20) whose pattern you want to delete.  
The schedule list ranges on two pages.
- ⑬ Switch the list using the [Previous ▲] and [Next ▼] buttons.

The Detail Setting screen (Fig. 24-3) appears.

- ⑭ Push [Delete].  
The outline of the [Delete] button is highlighted gray (Fig. 24-4).  
To undo the deletion to the previous state, push [Undo].
- ⑮ Push [OK] on the Detail Setting screen to delete the selected pattern.  
If you do not delete the pattern, push [Cancel] on the Detail Setting screen.
- ⑯ Confirm the addition, change or deletion setting, and then push [OK].  
If you cancel the addition, change or deletion setting, push [Cancel].



**Fig. 26-1 Master Schedule Check Screen**



**26 Copy to other section**

- ① Push [Copy to other section].  
The screen (Fig. 26-2) appears.

**<Copying weekly pattern>**

- ② Choose one or more days of the week you want to copy ([Mon] to [Sun]).  
To choose all days of the week, push [Weekly pattern].

**<Copying special-day pattern>**

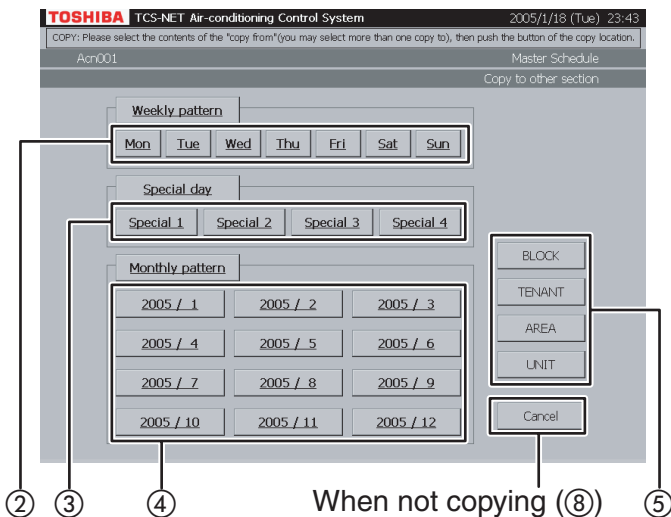
- ③ Choose one or more special days you want to copy ([Special 1] to [Special 4]).  
To choose all special days, push [Special day].

**<Copying monthly schedule>**

- ④ Choose one or more months you want to copy ([2005 / 1] to [2005 / 12]).

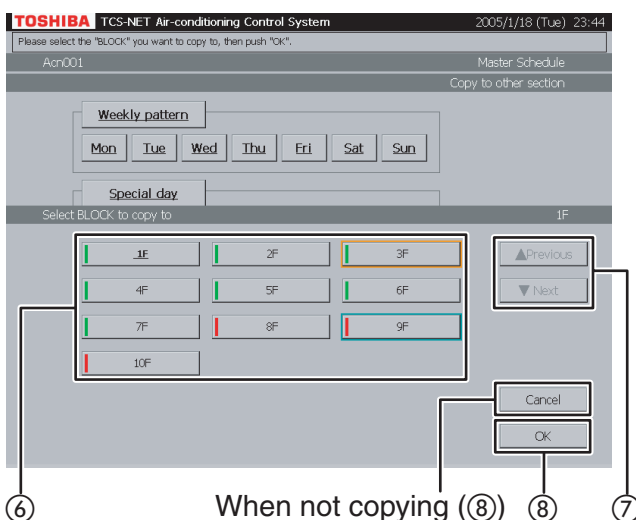
To choose all months, push [Monthly pattern]. To cancel the selection, push the selected buttons.

**Fig. 26-2 “Copy to Other Section” Screen**



- ⑤ Push [BLOCK] to copy pattern/schedule to a block. A block list is displayed (Fig. 26-3).
- Push [TENANT] to copy pattern/schedule to a tenant. A tenant list is displayed (Fig. 26-4).
- Push [AREA] to copy pattern/schedule to an area. An area list is displayed (Fig. 26-5).
- Push [UNIT] to copy pattern/schedule to another air conditioner. A unit list is displayed (Fig. 26-6).

**Fig. 26-3 Block Select Screen**



- ⑥ Choose a copy destination from the list.
- ⑦ When the list ranges over two or more pages, use the [▲ Previous] and [▼ Next] buttons.
- ⑧ Push [OK] to perform the selected copy.  
If you cancel the selected copy on the screen of Fig. 26-3, 26-4, 26-5, or 26-6, push [Cancel]. The screen of Fig. 26-2 reopens.  
If you cancel the selected copy on the screen of Fig. 26-2, push [Cancel]. The Master Schedule Check screen (Fig. 26-1) reopens.

# HOW TO OPERATE (continued)

## Checking/Setting Master Schedule (continued)

Fig. 26-4 Tenant Select Screen

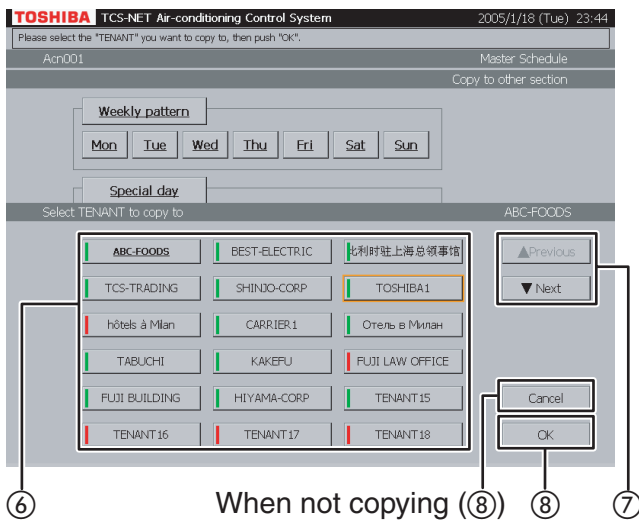


Fig. 26-5 Area Select Screen

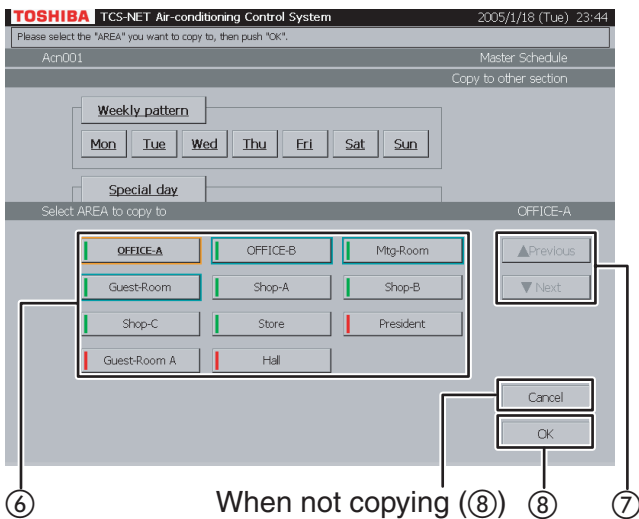
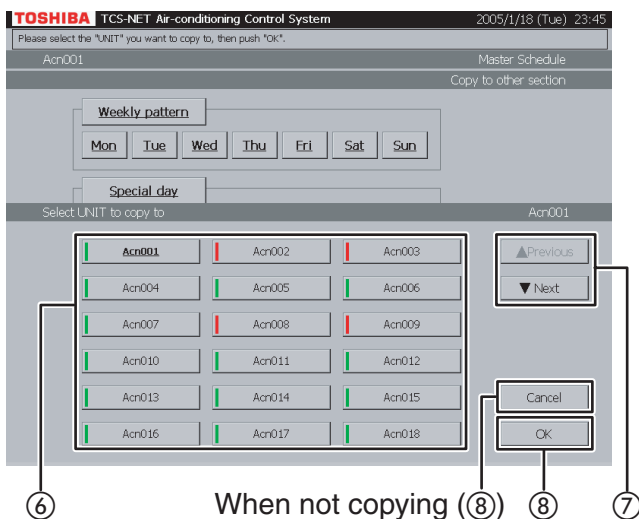
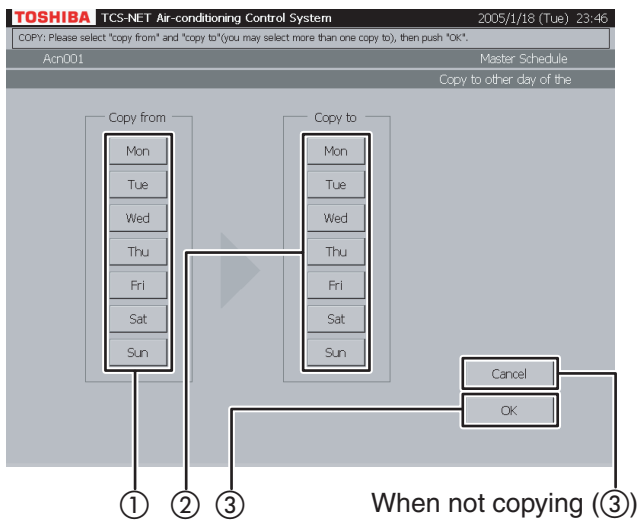


Fig. 26-6 Unit Select Screen







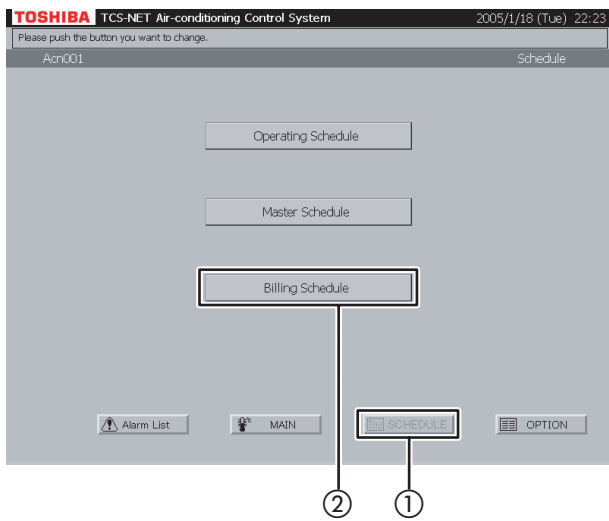
## 27 Copy to other day of the week

- ① Choose a day of the week of copy origin.
- ② Choose one or more days of the week of copy destination.
- ③ Push [OK] to perform the copy.  
If you cancel the copy, push [Cancel].

# HOW TO OPERATE (continued)

## Checking/Setting Billing Schedule

Fig. 28-1 Schedule Screen



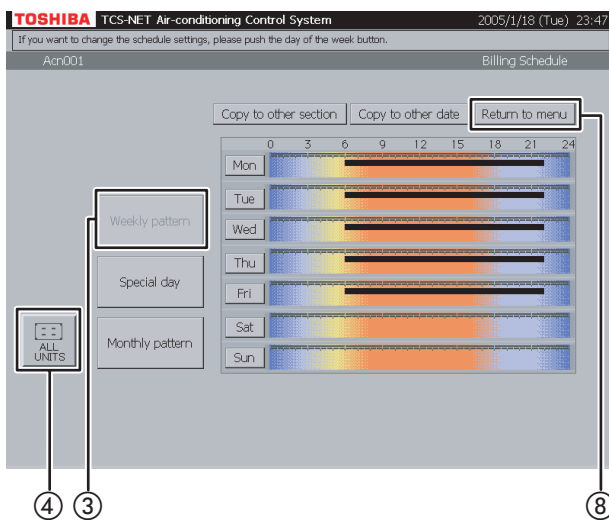
### 28 Checking weekly pattern

- ① Push [SCHEDULE].  
The Schedule screen (Fig. 28-1) appears.
- ② Push [Billing Schedule].  
The screen (Fig. 28-2) appears.
- ③ Push [Weekly pattern]. (This button is active at the time when this screen opens.)

ON area (bold line): ..... Not charged  
(In the case of Energy Monitoring, Energy Monitoring is not charged. In the case of time count, this area is treated as free time zone.)

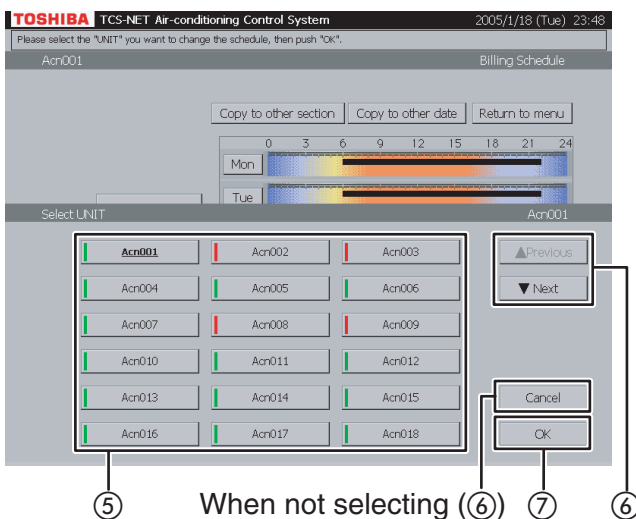
Other areas: ..... Charged  
(In the case of Energy Monitoring, Energy Monitoring is charged. In the case of time count, this area is treated as charged time zone.)

Fig. 28-2 Checking Weekly Pattern



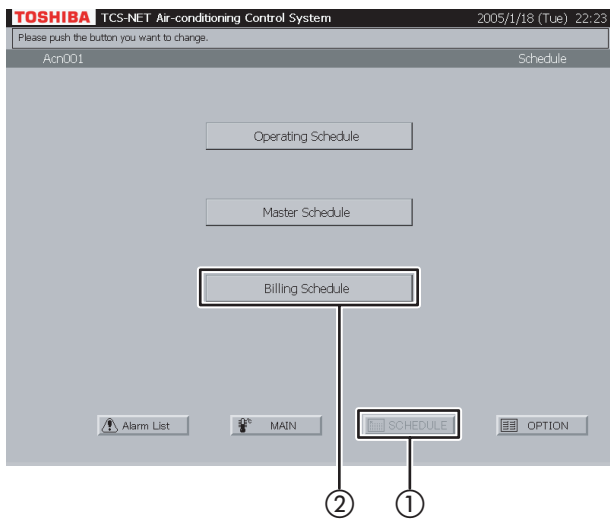
- ④ To check schedules of other air conditioners, push [ALL UNITS].  
The screen (Fig. 28-3) appears.
- ⑤ Choose an air conditioner whose schedule you want to check.
- ⑥ When the unit list ranges over two or more pages, use the [▲ Previous] and [▼ Next] buttons.  
If you choose no air conditioner, push [Cancel].
- ⑦ Push [OK]. The schedule of the selected air conditioner is displayed.
- ⑧ Push [Return to menu] to return to the Schedule screen (Fig. 28-1).

Fig. 28-3 Selection from All Units



When not selecting (6) (7) (6)

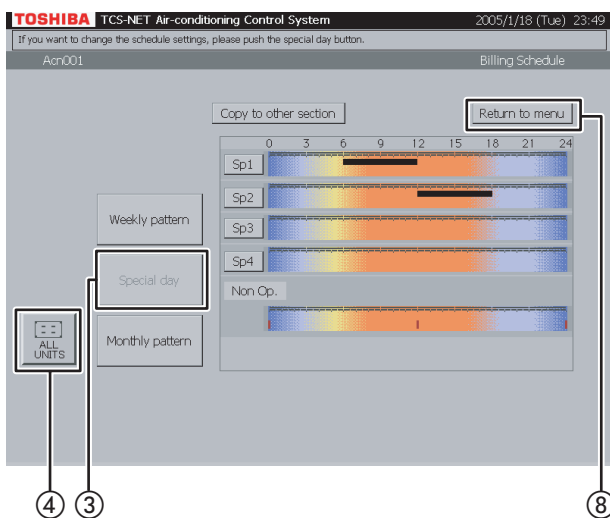
**Fig. 29-1 Schedule Screen**



**29 Checking special-day pattern**

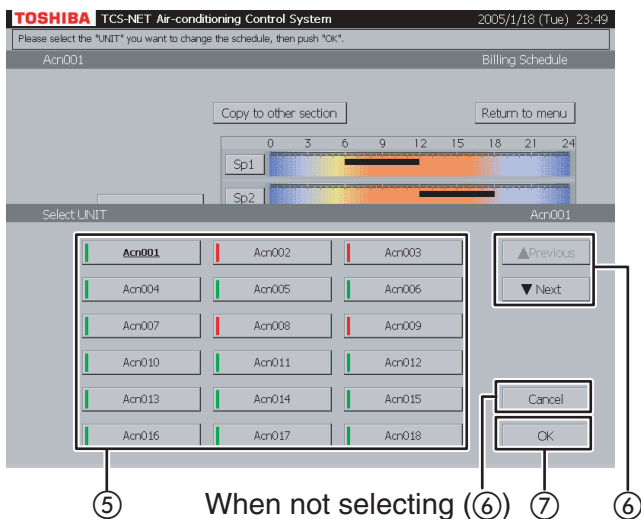
- ① Push [SCHEDULE].  
The Schedule screen (Fig. 29-1) appears.
- ② Push [Billing Schedule].  
The screen (Fig. 29-2) appears.
- ③ Push [Special day].  
Black line ..... ON to OFF  
Green line ..... ON only  
Red line ..... OFF only

**Fig. 29-2 Checking Special-day y Pattern**



- ④ To check schedules of other air conditioners, push [ALL UNITS].  
The screen (Fig. 29-3) appears.
- ⑤ Choose an air conditioner whose schedule you want to check.
- ⑥ When the unit list ranges over two or more pages, use the [▲ Previous] and [▼ Next] buttons.  
If you choose no air conditioner, push [Cancel].
- ⑦ Push [OK]. The schedule of the selected air conditioner is displayed.
- ⑧ Push [Return to menu] to return to the Schedule screen (Fig. 29-1).

**Fig. 29-3 Selection from All Units**

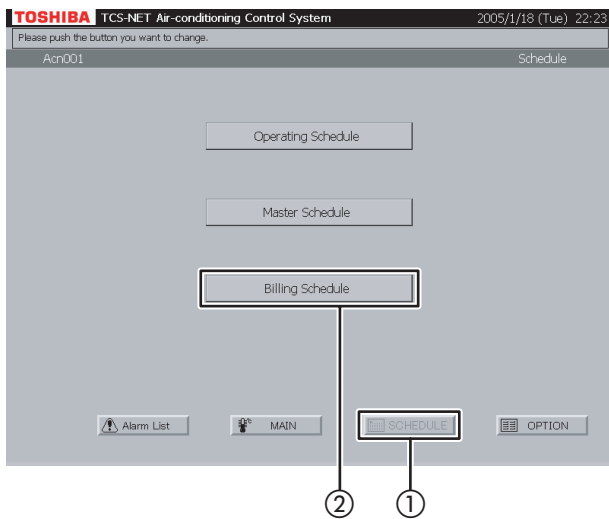


When not selecting (6) (7) (6)

# HOW TO OPERATE (continued)

## Checking/Setting Billing Schedule (continued)

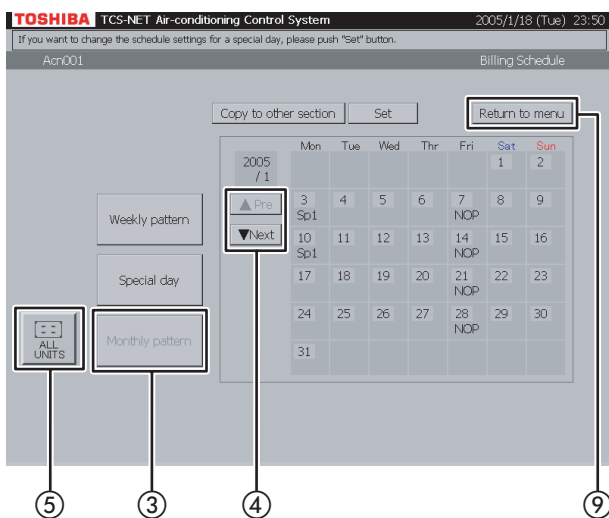
Fig. 30-1 Schedule Screen



### 30 Checking monthly pattern

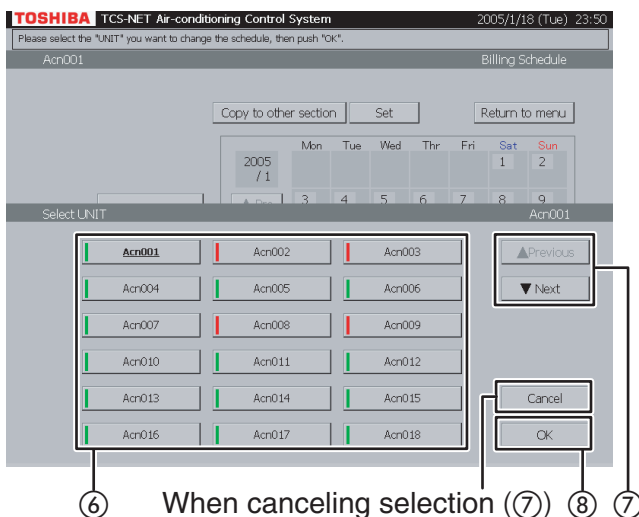
- ① Push [SCHEDULE].  
The Schedule screen (Fig. 30-1) appears.
- ② Push [Billing Schedule].  
The screen (Fig. 30-2) appears.
- ③ Push [Monthly pattern]. A calendar of the current month appears for monthly pattern check.
- ④ Use the [▲ Pre] and [▼ Next] buttons to display other months (12 months including the current month).

Fig. 30-2 Checking Monthly Pattern



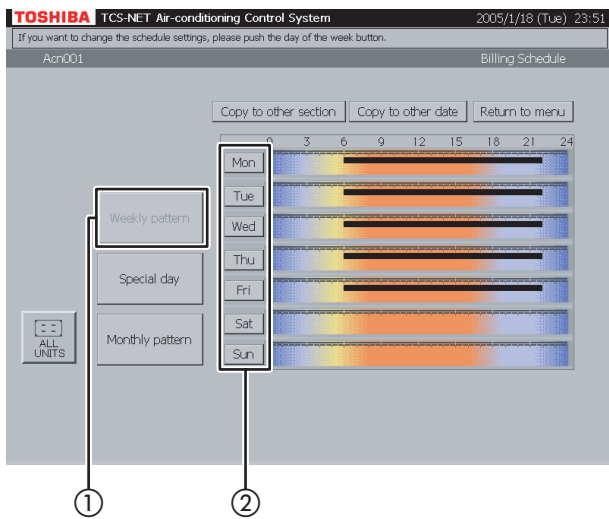
- ⑤ To check schedules of other air conditioners, push [ALL UNITS].  
The screen (Fig. 30-3) appears.
- ⑥ Choose an air conditioner whose schedule you want to check.
- ⑦ When the unit list ranges over two or more pages, use the [▲ Previous] and [▼ Next] buttons.  
If you cancel the selection, push [Cancel].
- ⑧ Push [OK]. The monthly pattern of the selected air conditioner is displayed.
- ⑨ Push [Return to menu] to return to the Schedule screen (Fig. 30-1).

Fig. 30-3 Selection from All Units

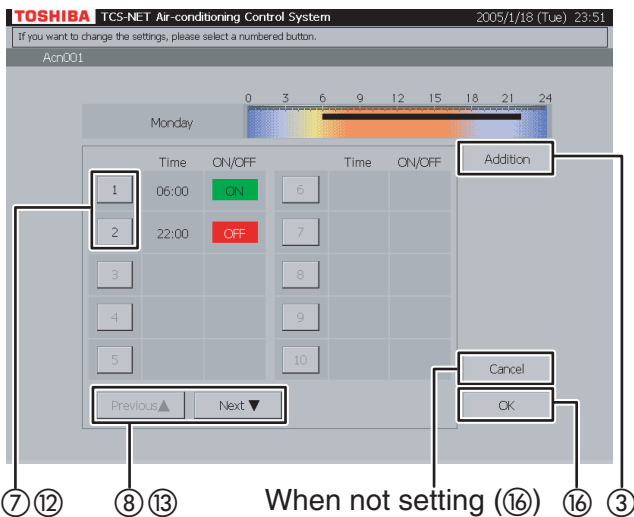


When canceling selection (⑦) ⑧ ⑦

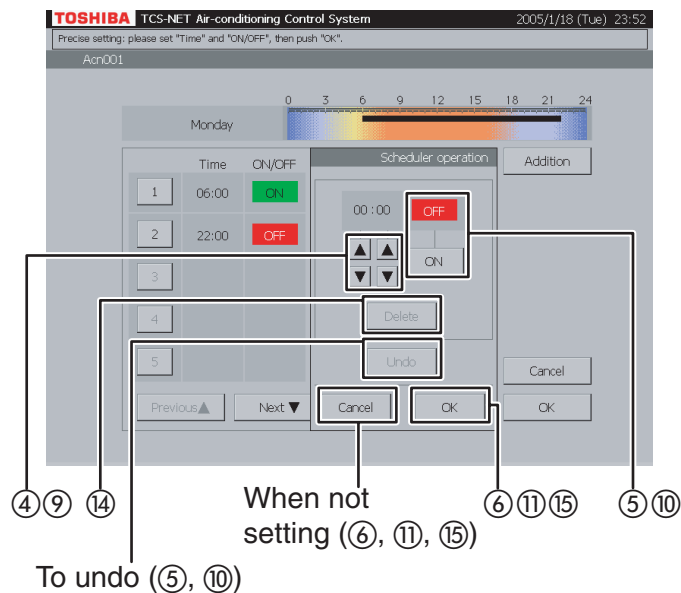
**Fig. 31-1 Weekly Pattern Check Screen**



**Fig. 31-2 Weekly Pattern Setting Screen**



**Fig. 31-3 Billing Schedule Detail Setting Screen**



### 31 Setting weekly pattern

- ① Push [Weekly pattern].
- ② Push the button of a day of the week you want to set.  
The Weekly Pattern Setting screen (Fig. 31-2) appears.

#### <Addition>

- ③ Push [Addition].  
The Billing Schedule Detail Setting screen (Fig. 31-3) appears.
- ④ Set time for operation ON or OFF with the ▲ and ▼ buttons.
- ⑤ Push [ON] to run or [OFF] to stop.  
To undo the setting to the previous state, push [Undo].
- ⑥ Confirm the setting, and then push [OK] on the Detail Setting screen.  
If you do not add the weekly pattern, push [Cancel] on the Detail Setting screen.

#### <Change>

- ⑦ Push a number (1 to 20) whose weekly pattern you want to change.  
The schedule list ranges on two pages.
- ⑧ Switch the list using the [Previous ▲] and [Next ▼] buttons.

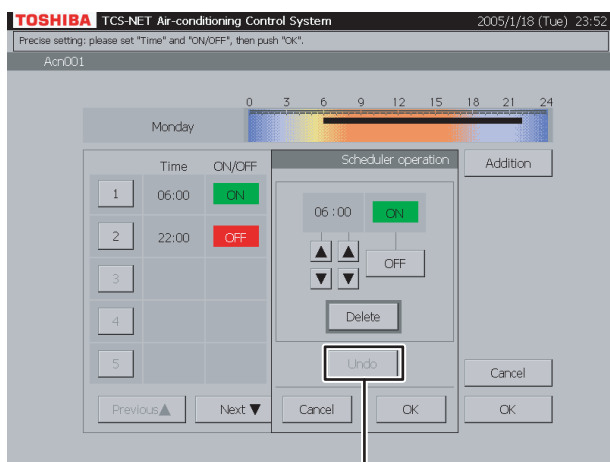
The Detail Setting screen (Fig. 31-3) appears.

- ⑨ To change ON or OFF time, use the ▲ and ▼ buttons.
- ⑩ Push [ON] or [OFF] to change ON/OFF mode.  
To undo the changed setting to the previous state, push [Undo].
- ⑪ Confirm the setting, and then push [OK] on the Detail Setting screen.  
If you do not change the weekly pattern, push [Cancel] on the Detail Setting screen.

# HOW TO OPERATE (continued)

## Checking/Setting Billing Schedule (continued)

Fig. 31-4 Billing Schedule Detail Setting Screen (Delete Operation)



To undo (14)

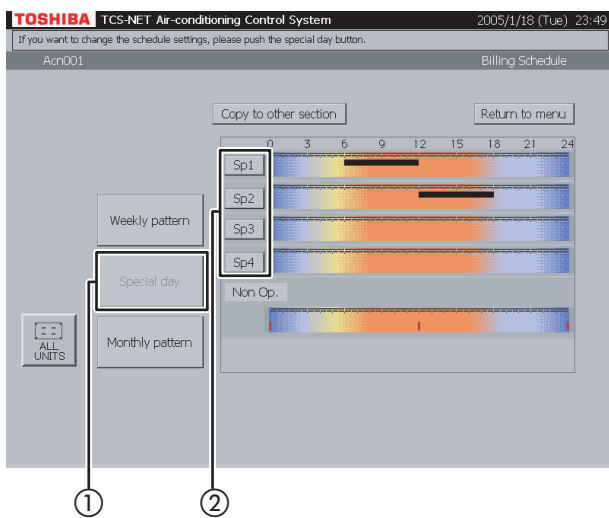
### <Delete>

- ⑫ Push a number (1 to 20) whose weekly pattern you want to change.  
The schedule list ranges on two pages.
- ⑬ Switch the list using the [Previous ▲] and [Next ▼] buttons.

The Detail Setting screen (Fig. 31-3) appears.

- ⑭ Push [Delete].  
The outline of the [Delete] button is highlighted gray (Fig. 31-4).  
To undo the deletion to the previous state, push [Undo].
- ⑮ Push [OK] on the Detail Setting screen to delete the selected weekly pattern.  
If you do not delete the weekly pattern, push [Cancel] on the Detail Setting screen.
- ⑯ Confirm the addition, change or deletion setting, and then push [OK].  
If you cancel the addition, change or deletion setting, push [Cancel].

**Fig. 32-1 Special-day Pattern Check Screen**



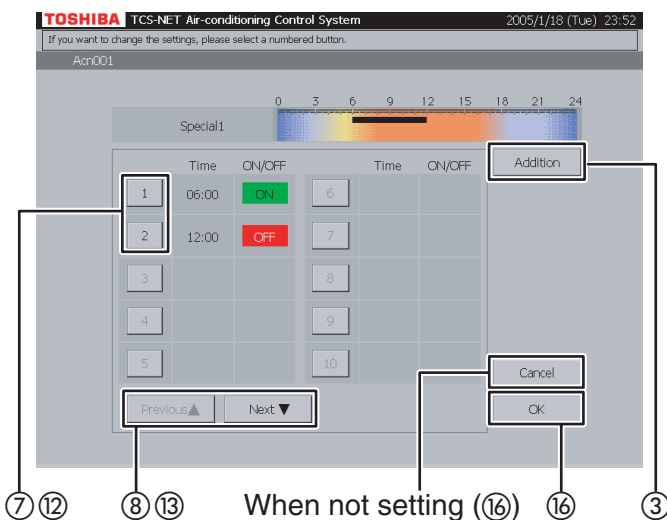
**32 Setting special-day pattern**

- ① Push [Special day].
- ② Push a special-day button ([Sp1] to [Sp4]) you want to set.  
The Weekly Pattern Setting screen (Fig. 32-2) appears.

**<Addition>**

- ③ Push [Addition].  
The Billing Schedule Detail Setting screen (Fig. 32-3) appears.
- ④ Set time for operation ON or OFF with the ▲ and ▼ buttons.
- ⑤ Push [ON] to run or [OFF] to stop.  
To undo the setting to the previous state, push [Undo].
- ⑥ Confirm the setting, and then push [OK] on the Detail Setting screen.  
If you do not add the special-day pattern, push [Cancel] on the Detail Setting screen.

**Fig. 32-2 Special-day Pattern Setting Screen**

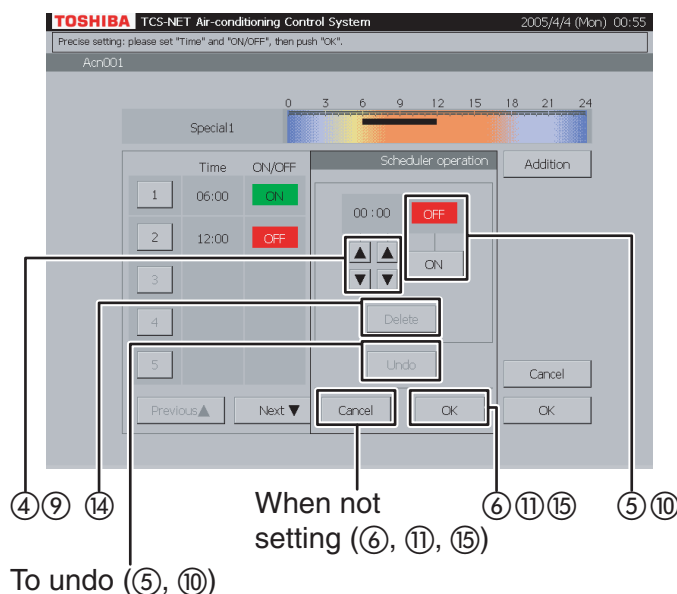


**<Change>**

- ⑦ Push a number (1 to 20) whose pattern you want to change.  
The schedule list ranges on two pages.
- ⑧ Switch the list using the [Previous ▲] and [Next ▼] buttons.

The Detail Setting screen (Fig. 32-3) appears.

**Fig. 32-3 Billing Schedule Detail Setting Screen**



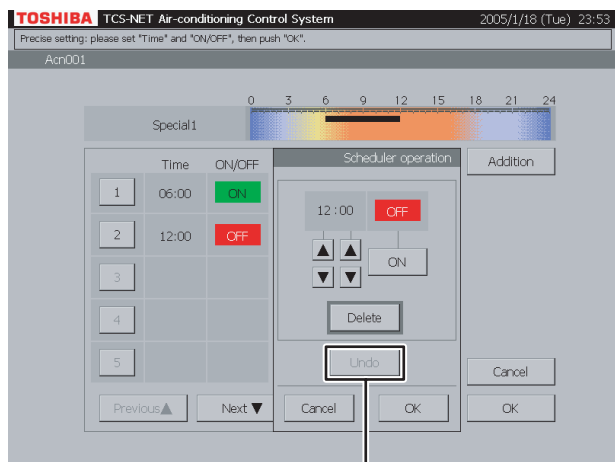
- ⑨ To change ON or OFF time, use the ▲ and ▼ buttons.
- ⑩ Push [ON] or [OFF] to change ON/OFF mode.  
To undo the changed setting to the previous state, push [Undo].
- ⑪ Confirm the setting, and then push [OK] on the Detail Setting screen.  
If you do not change the pattern, push [Cancel] on the Detail Setting screen.

To undo (⑤, ⑩)

# HOW TO OPERATE (continued)

## Checking/Setting Billing Schedule (continued)

Fig. 32-4 Billing Schedule Detail Setting Screen (Delete Operation)



To undo (14)

### <Delete>

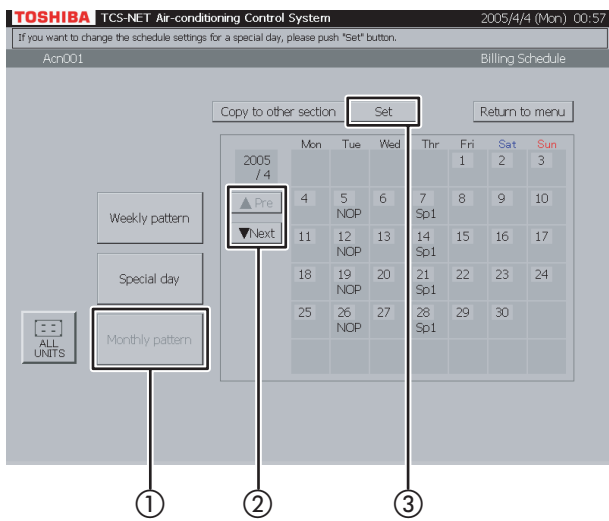
- ⑫ Push a number (1 to 20) whose pattern you want to delete.  
The schedule list ranges on two pages.
- ⑬ Switch the list using the [Previous ▲] and [Next ▼] buttons.

The Detail Setting screen (Fig. 32-3) appears.

- ⑭ Push [Delete].  
The outline of the [Delete] button is highlighted gray (Fig. 32-4).  
To undo the deletion to the previous state, push [Undo].
- ⑮ Push [OK] on the Detail Setting screen to delete the selected pattern.  
If you do not delete the pattern, push [Cancel] on the Detail Setting screen.
- ⑯ Confirm the addition, change or deletion setting, and then push [OK].  
If you cancel the addition, change or deletion setting, push [Cancel].



**Fig. 33-1 Monthly Pattern Check Screen**

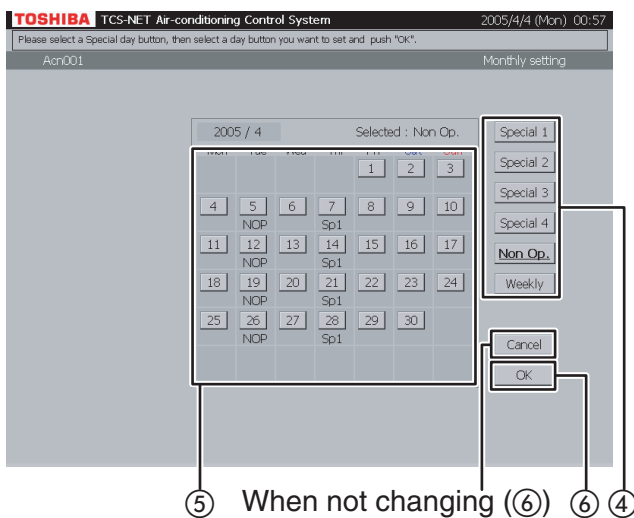


**33 Setting monthly pattern**

- ① Push [Monthly pattern].
- ② Display a month whose pattern you want to set using the [▲ Pre] and [▼ Next] buttons.
- ③ Push [Set].  
The Monthly Pattern Setting screen (Fig. 33-2) appears.
- ④ Choose a pattern (Special 1 to 4, Non Op. or Weekly).

- ⑤ When you choose a date button whose pattern you want to set, the selected pattern is set for the day.  
A weekly pattern (normal pattern) based on days of the week is applied to the days with no indication (Sp1 to 4, NOP).

**Fig. 33-2 Monthly Pattern Setting Screen**



- ⑥ Push [OK] to change the setting, or push [Cancel] when not changing the setting.  
To re-set the patterns of special days and non-operation days on the calendar to weekly pattern, push the pattern button [Weekly].  
Indications (Sp1 to 4, NOP) disappear and a weekly pattern schedule based on days of the week becomes effective.

# HOW TO OPERATE (continued)

## Checking/Setting Billing Schedule (continued)

Fig. 34-1 Billing Schedule Check Screen



### 34 Copy to other section

- 1 Push [Copy to other section].  
The screen (Fig. 34-2) appears.

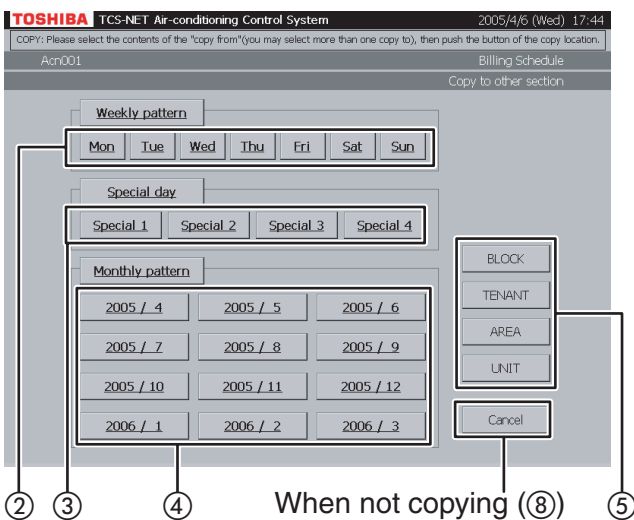
#### <Copying weekly pattern>

- 2 Choose one or more days of the week you want to copy ([Mon] to [Sun]).  
To choose all days of the week, push [Weekly pattern].

#### <Copying special-day pattern>

- 3 Choose one or more special days you want to copy ([Special 1] to [Special 4]).  
To choose all special days, push [Special day].

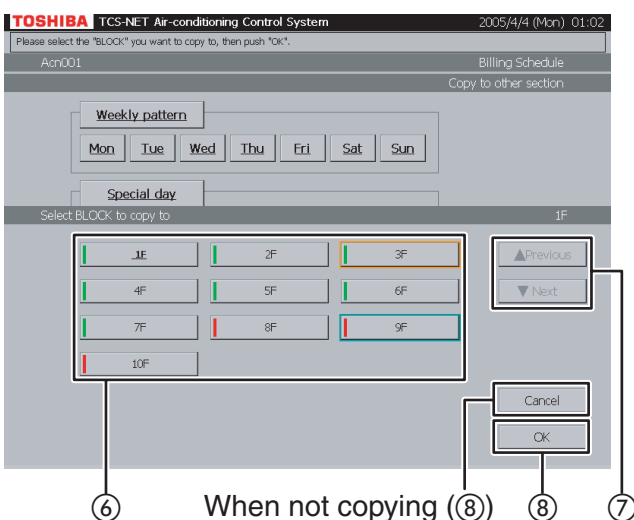
Fig. 34-2 "Copy to Other Section" Screen



#### <Copying monthly schedule>

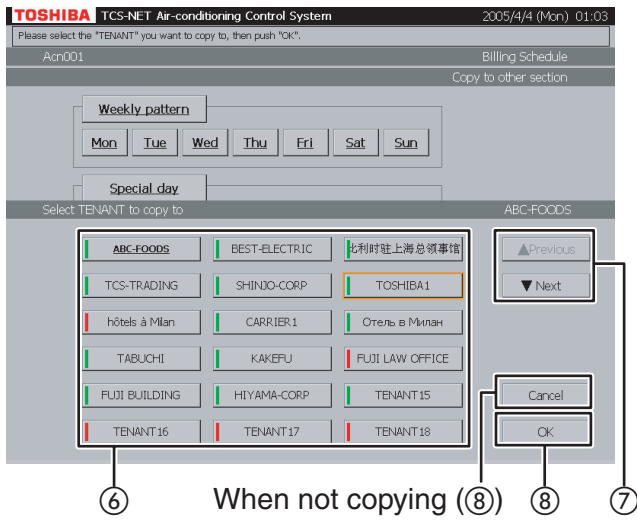
- 4 Choose one or more months you want to copy ([2005 / 1] to [2005 / 12]).  
To choose all months, push [Monthly pattern].  
To cancel the selection, push the selected buttons.
- 5 Push [BLOCK] to copy pattern/schedule to a block. A block list is displayed (Fig. 34-3).
  - Push [TENANT] to copy pattern/schedule to a tenant. A tenant list is displayed (Fig. 34-4).
  - Push [AREA] to copy pattern/schedule to an area. An area list is displayed (Fig. 34-5).
  - Push [UNIT] to copy pattern/schedule to another air conditioner. A unit list is displayed (Fig. 34-6).
- 6 Choose a copy destination from the list.
- 7 When the list ranges over two or more pages, use the [▲ Previous] and [▼ Next] buttons.

Fig. 34-3 Block Select Screen

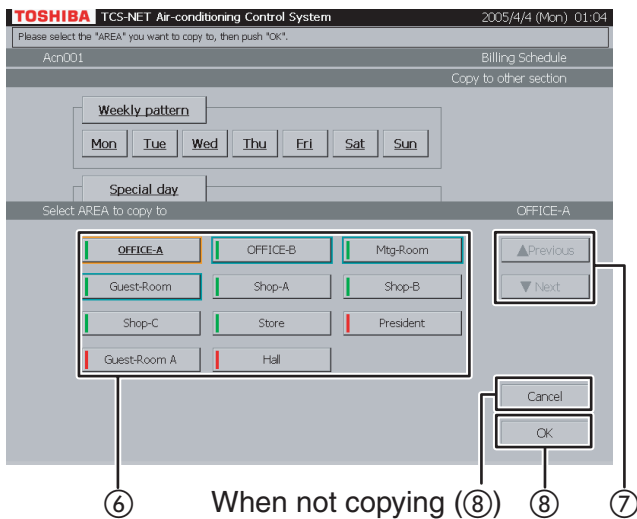


- 8 Push [OK] to perform the selected copy.  
If you cancel the selected copy on the screen of Fig. 34-3, 34-4, 34-5, or 34-6, push [Cancel].  
The screen of Fig. 34-2 reopens.  
If you cancel the selected copy on the screen of Fig. 34-2, push [Cancel].  
The Billing Schedule Check screen (Fig. 34-1) reopens.

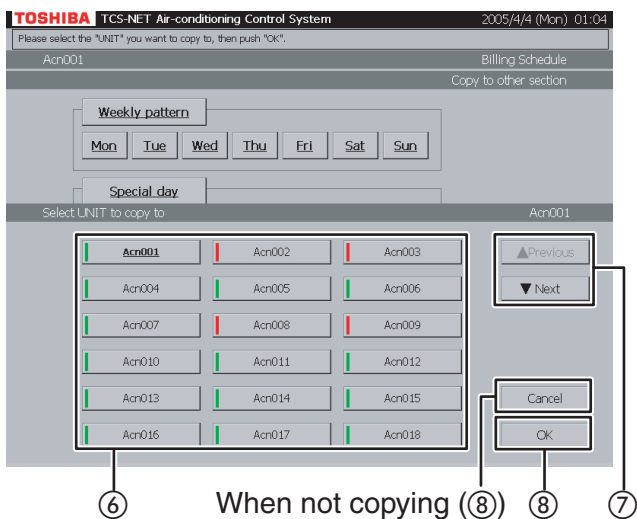
**Fig. 34-4 Tenant Select Screen**



**Fig. 34-5 Area Select Screen**

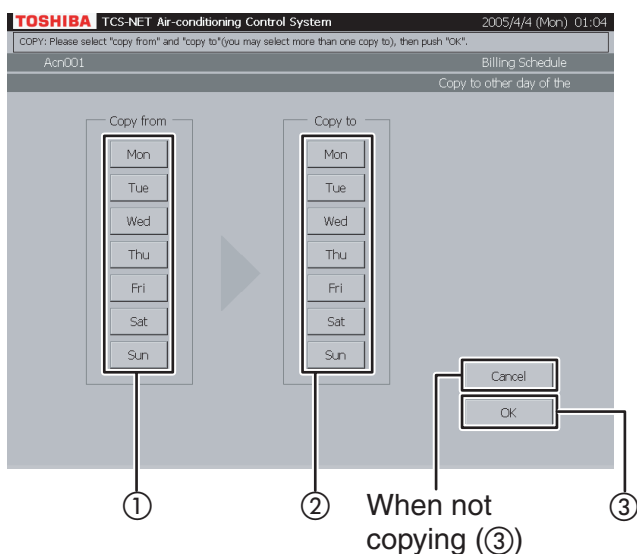


**Fig. 34-6 Unit Select Screen**



# HOW TO OPERATE (continued)

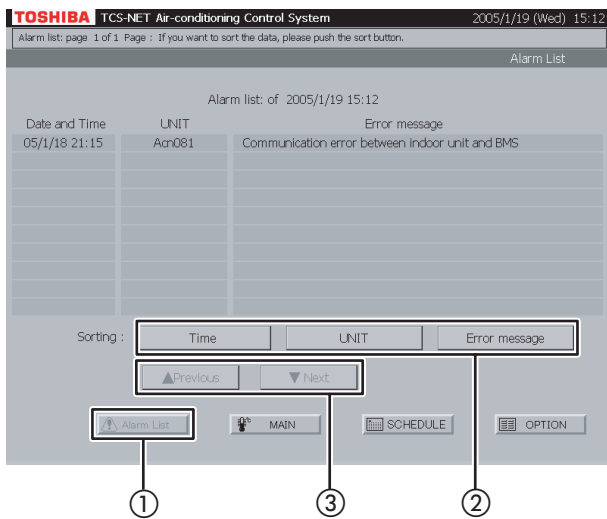
## Checking/Setting Billing Schedule (continued)



### 35 Copy to other day of the week

- ① Choose a day of the week of copy origin.
- ② Choose one or more days of the week of copy destination.
- ③ Push [OK] to perform the copy.  
If you cancel the copy, push [Cancel].

## Checking Alarms of Air Conditioners



### 36 Checking alarms in the list

- ① Push [Alarm List] to monitor current alarms.
- ② Push [Time] to sort alarms chronologically from the latest.  
Push [UNIT] to sort alarms in the order of air conditioner number.  
Push [Error message] to sort alarms by category.
- ③ Switch the alarm list using the [▲ Previous] and [▼ Next] buttons.

## Other Settings

Fig. 37-1 Menu Screen

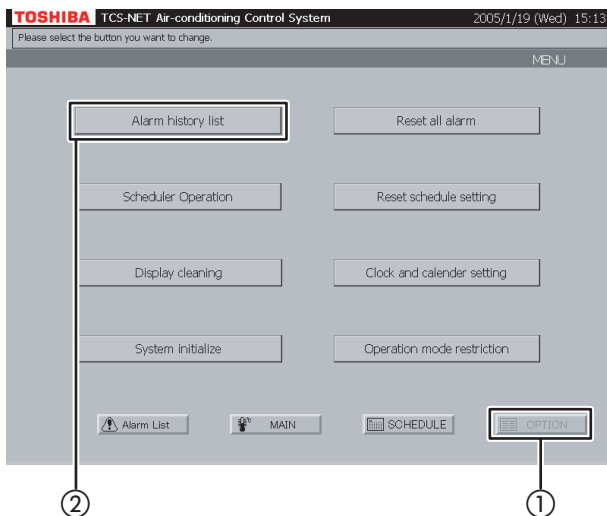
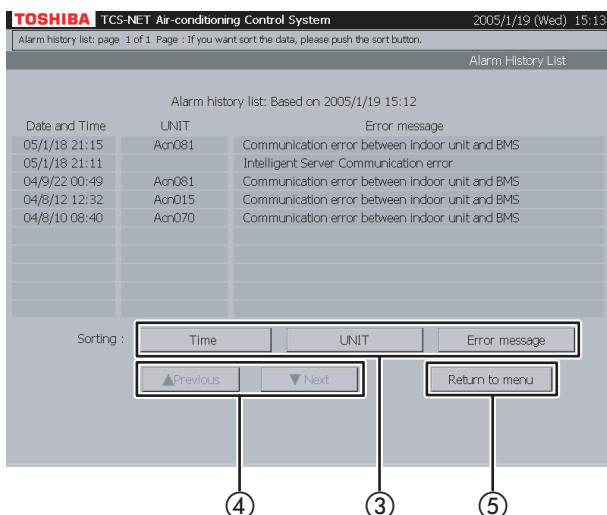


Fig. 37-2 Alarm History List Screen



### 37 Alarm history list

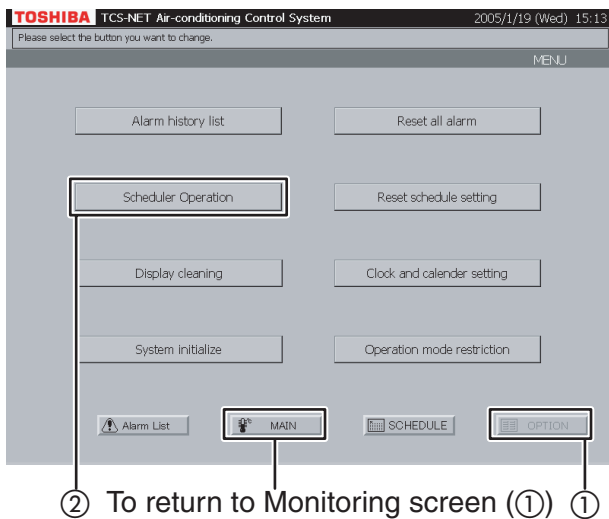
A list of alarm history is displayed. It can be sorted in a chronological order, in the order of air conditioner number, or by alarm category.

- ① Push [OPTION]. The Menu screen (Fig. 37-1) appears.  
To return to the Monitoring screen, push [MAIN].
- ② Push [Alarm history list]. The Alarm History List screen (Fig. 37-2) appears.
- ③ Push [Time] to sort alarms chronologically from the latest.  
Push [UNIT] to sort alarms in the order of air conditioner number.  
Push [Error message] to sort alarms by category.
- ④ Switch the alarm history list using the [▲ Previous] and [▼ Next] buttons.
- ⑤ To return to the Menu screen (Fig. 37-1), push [OPTION].

# HOW TO OPERATE (continued)

## Other Settings (continued)

Fig. 38-1 Menu Screen

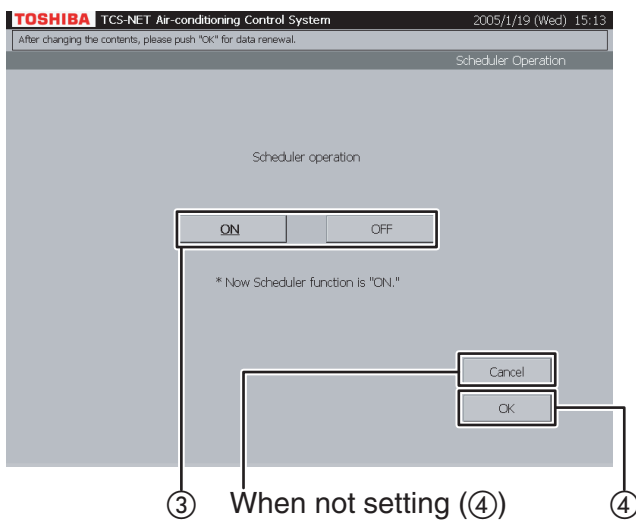


### 38 Setting scheduler operation

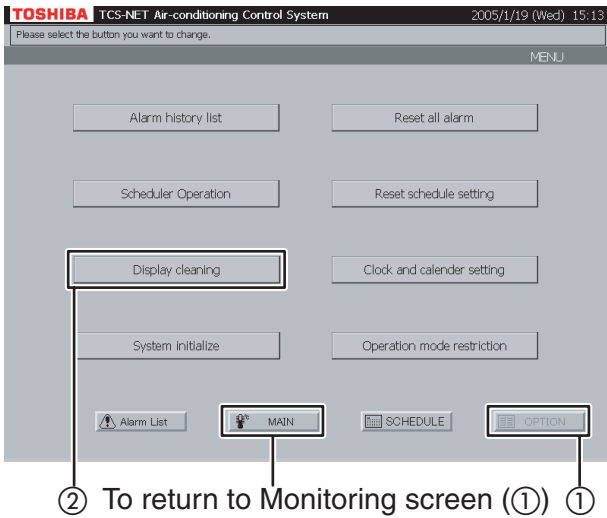
You can set whether to enable scheduler operation.

- ① Push [OPTION]. The Menu screen (Fig. 38-1) appears.  
To return to the Monitoring screen, push [MAIN].
- ② Push [Scheduler Operation]. The Scheduler Operation Setting screen (Fig. 38-2) appears.
- ③ Select [ON] to enable scheduler operation, or [OFF] when not using scheduler operation.
- ④ Push [OK].  
If you do not set the scheduler operation, push [Cancel].

Fig. 38-2 Scheduler Operation Setting Screen



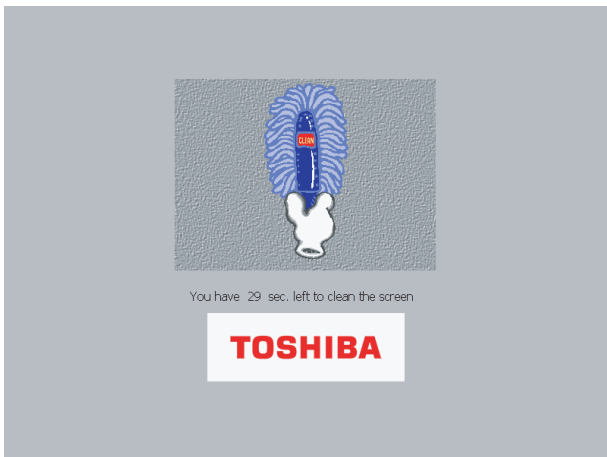
**Fig. 39-1 Menu Screen**



**39 Cleaning display screen**

- ① Push [OPTION]. The Menu screen (Fig. 38-1) appears.  
To return to the Monitoring screen, push [MAIN].
- ② Push [Display cleaning]. The Display Cleaning screen (Fig. 39-2) appears for 30 seconds. Clean the display screen during this time period because all the buttons are disabled even if they are touched.  
After the time period, the Monitoring screen (block indication) appears. Do not touch the screen until the Monitoring screen is displayed.

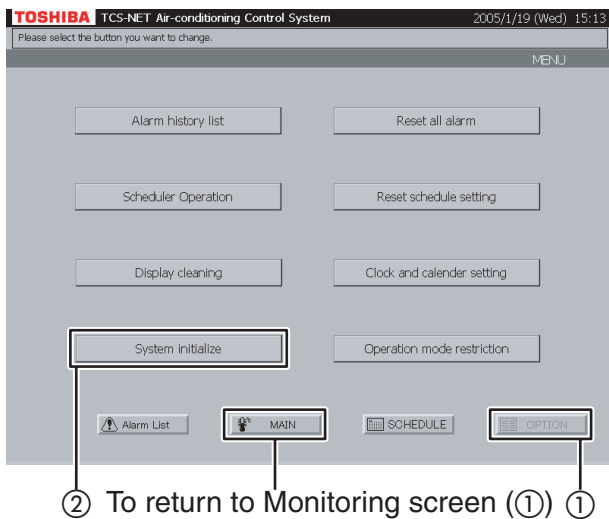
**Fig. 39-2 Display Cleaning Screen**



# HOW TO OPERATE (continued)

## Other Settings (continued)

Fig. 40-1 Menu Screen

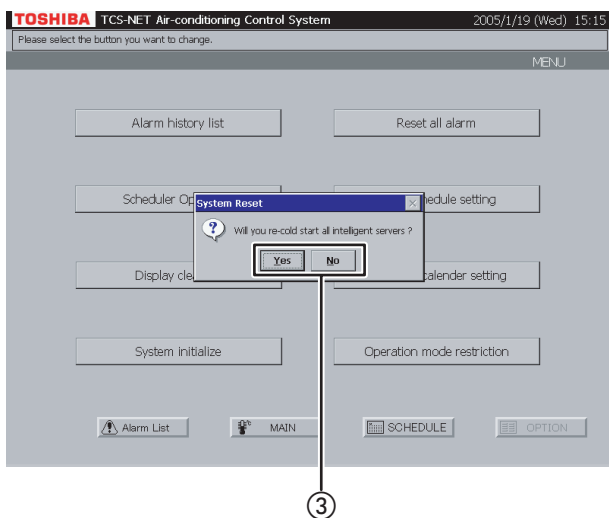


### 40 System reset

This menu is provided to reboot the system by resetting all the settings of the server.

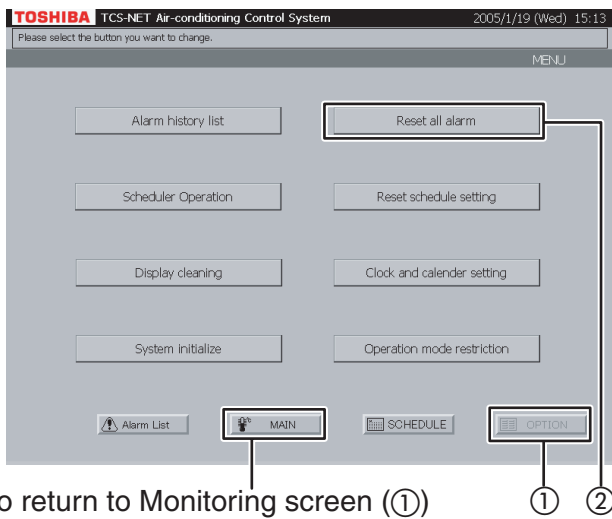
- ① Push [OPTION]. The Menu screen (Fig. 40-1) appears.  
To return to the Monitoring screen, push [MAIN].
- ② Push [System initialize]. A confirmation message appears as shown in the Confirmation Message screen (Fig. 40-2).
- ③ Push [Yes] to reset the system.  
Push [No] to return to the Menu screen (Fig. 40-1) without resetting the system.

Fig. 40-2 Confirmation Message Screen





**Fig. 41-1 Menu Screen**

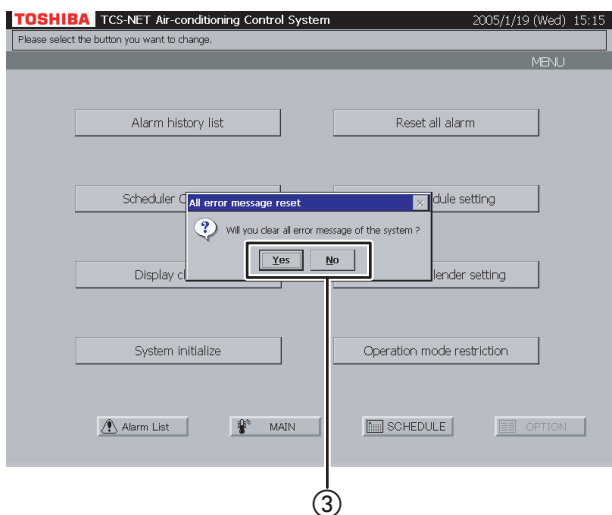


**41 Resetting all alarms**

This menu is provided to clear all alarm signals by transmitting an alarm clear signal to all air conditioners.

- ① Push [OPTION]. The Menu screen (Fig. 41-1) appears.  
To return to the Monitoring screen, push [MAIN].
- ② Push [Reset all alarm]. A confirmation message appears as shown in the Confirmation Message screen (Fig. 41-2).
- ③ Push [Yes] to clear alarm signals.  
Push [No] to return to the Menu screen (Fig. 41-1) without clearing alarm signals.

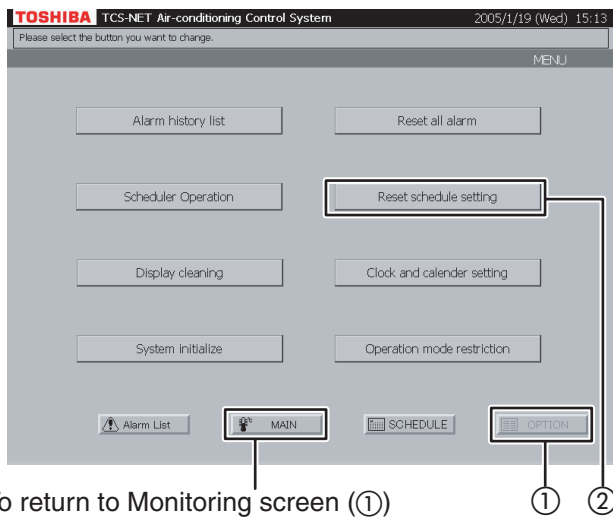
**Fig. 41-2 Confirmation Message Screen**



# HOW TO OPERATE (continued)

## Other Settings (continued)

Fig. 42-1 Menu Screen

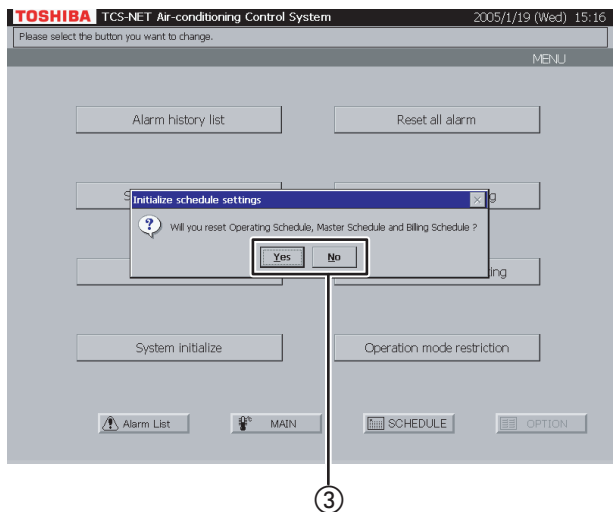


### 42 Resetting all scheduler operation settings

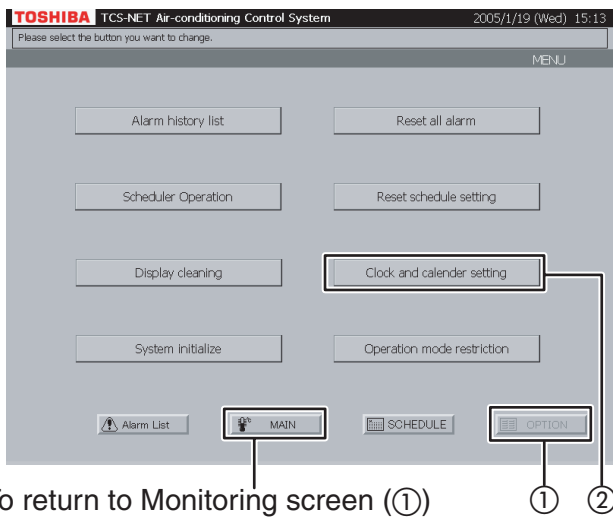
This menu is provided to reset all scheduler operation settings.

- ① Push [OPTION]. The Menu screen (Fig. 42-1) appears.  
To return to the Monitoring screen, push [MAIN].
- ② Push [Reset schedule setting]. A confirmation message appears as shown in the Confirmation Message screen (Fig. 42-2).
- ③ Push [Yes] to reset all scheduler operation settings.  
Push [No] to return to the Menu screen (Fig. 42-1) without resetting the settings.

Fig. 42-2 Confirmation Message Screen



**Fig. 43-1 Menu Screen**

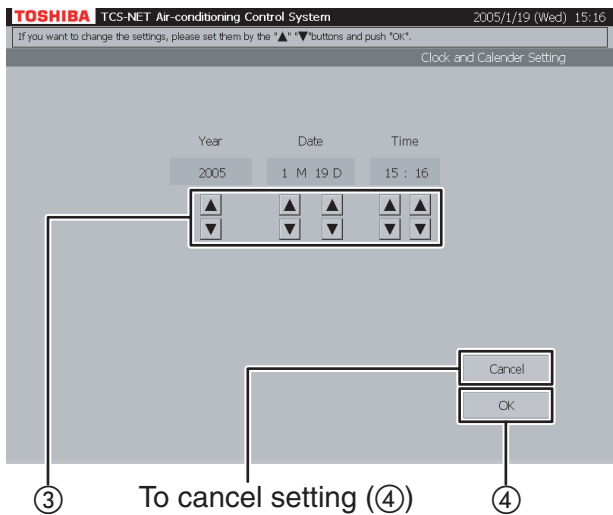


**43 Synchronizing system clock**

This menu is provided to set the built-in clock of the computer.

- ① Push [OPTION]. The Menu screen (Fig. 43-1) appears.  
To return to the Monitoring screen, push [MAIN].
- ② Push [Clock and calendar setting]. The Clock/Calendar Setting screen (Fig. 43-2) appears.
- ③ Set year, month, day, and time with the ▲ and ▼ buttons.
- ④ Confirm the setting, and then push [OK].  
To cancel the setting, push [Cancel].

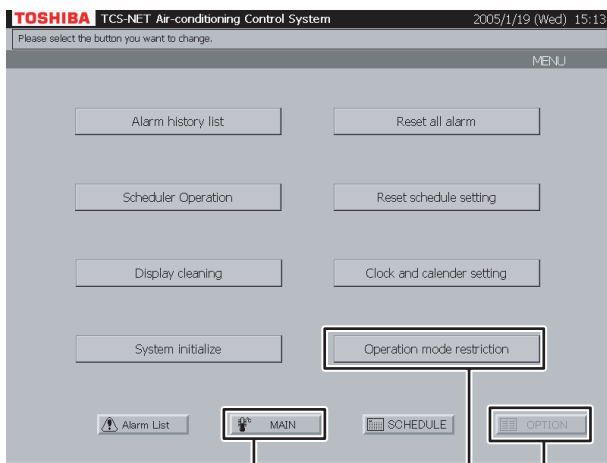
**Fig. 43-2 Clock/Calendar Setting Screen**



# HOW TO OPERATE (continued)

## Other Settings (continued)

Fig. 44-1 Menu Screen



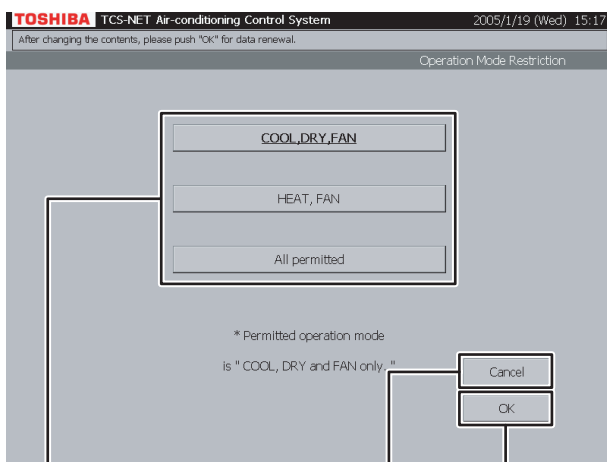
To return to Monitoring screen (①) ② ①

### 44 Selecting cooling or heating mode

This menu is provided to limit the operation mode to the cooling (COOL/DRY/FAN) or heating (HEAT/FAN) mode only. This menu is useful to prohibit cooling or heating for multiple air conditioners.

- ① Push [OPTION]. The Menu screen (Fig. 44-1) appears.  
To return to the Monitoring screen, push [MAIN].
- ② Push [Operation mode restriction]. The Operation Mode Select screen (Fig. 44-2) appears.

Fig. 44-2 Operation Mode Select Screen

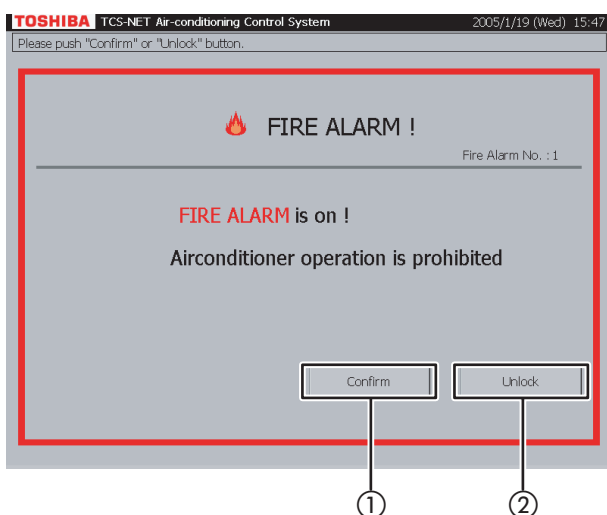


To cancel setting (④) ④

- ③ Push [COOL, DRY, FAN] to permit the COOL, DRY and FAN only modes.  
Push [HEAT, FAN] to permit the HEAT and FAN only modes.

When permitting all operation modes, push [All permitted].

- ④ Confirm the setting, and then push [OK].  
To cancel the setting, push [Cancel].



### 45 Fire alarm indication

Interlocking with a fire alarm, this system indicates a fire alarm message in the event of fire. In this case, operation of all air conditioners is prohibited automatically.

- ① Push [Confirm] to return to the previous screen.
- ② Push [Unlock] to reset the operation prohibition setting.

# NECESSARY INFORMATION

## Reading Monthly Report Data and Energy Monitoring Data

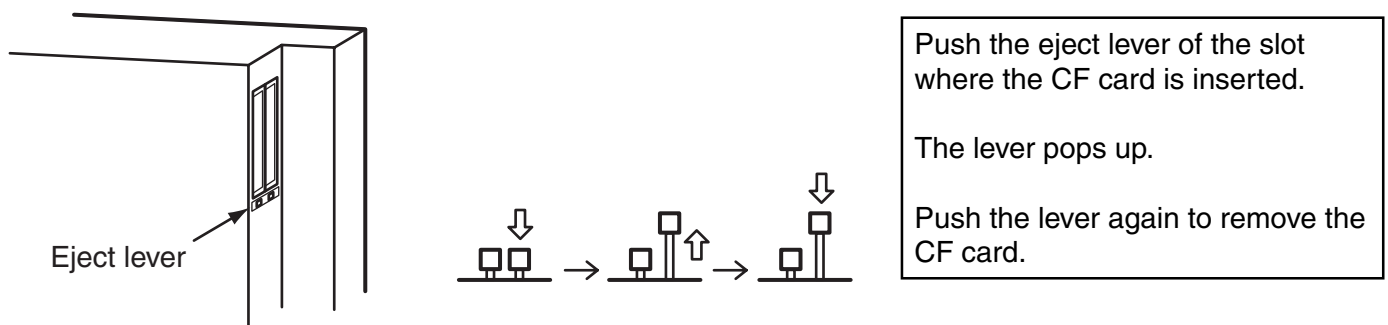
Monthly report data and Energy Monitoring data are stored in a CompactFlash (CF) card. To output Energy Monitoring result, it is necessary to connect a computer using a LAN. Please contact your dealer in that case.

You can remove a CF card when reading data directly or copying data for backup. Power off the Touch Screen Controller before removing the CF card.

After data read or data copy ends, reinstall the CF card and then turn on the power to restart the system.

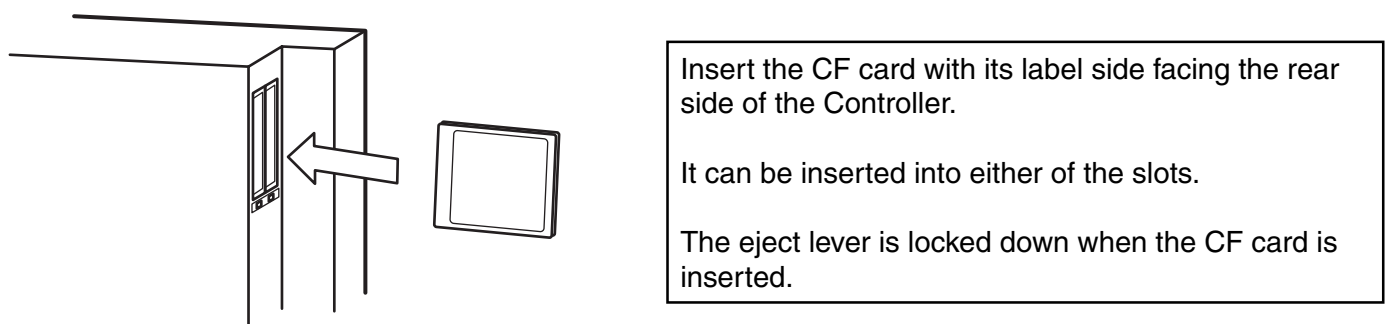
### <Removing CF Card>

- ① Turn off the power of the Touch Screen Controller, and unplug the power cord.
- ② Remove the CF card from the Controller.



### <Reinstalling CF Card>

Insert the CF card into the slot of the Controller, and then power on the Controller.



The screen display returns to the previous state in a few minutes.

If not, the CF card is not installed properly. Check installation of the CF card. Finish handling the CF card as quickly as possible because the operation time of air conditioners is not counted while the power is off.

#### Note

A CF stores data of recent three months. The data of three month ago is deleted every day at the end of the day.

# NECESSARY INFORMATION (continued)

## Help Information

Nothing is displayed.	Is the backlight off?
Scheduler does not work after operation schedule is set.	Is the scheduler operation enabled on the Menu screen? → Refer to [38] "Setting scheduler operation". Is only the master schedule set? → Also set the operating schedule.
A communication error occurs.	Is the Intelligent Server powered on? Are air conditioners powered on?
Remote control does not work.	Is remote control operation prohibited? → Refer to [14] "Settings for air conditioner operation (R/C Ctrl.)". Is air conditioner operation prohibited forcibly? → Refer to [14] "Settings for air conditioner operation (ON/OFF)". (Option) Fire alarm interlocking control setting: Is this function set enabled? Cancel this function after the fire alarm is activated. → Push [CHECK] and check [15] "Indicating alarm/filter sign" and [45] "Fire alarm indication".
Screen display is abnormal.	Is the CF card installed properly? → If the Touch Screen Controller is powered on with the CF card installed improperly, the Controller runs using dummy data.
Cooling (or heating) operation is not available.	Is heating (or cooling) operation going within the same refrigerant system? → Usually heating operation is set on a priority basis. Is operation mode change by the remote control prohibited? → Refer to [14] "Settings for air conditioner operation (R/C Ctrl.)". Is heating (or cooling) operation selected with the mode selection menu on the Menu screen? → Refer to [44] "Selecting cooling or heating mode".

## Consult Your Dealer When:

### Contact your dealer when

- You want to change tenant name.
- You want to install more air conditioners.
- You want to output Energy Monitoring result.
- You want to change the deadline of Energy Monitoring tally.



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