CODE RED
FIRE SAFETY PLAN

FOR

HILLSDALE TERRACES
REGIONAL MUNICIPALITY OF DURHAM
600 Oshawa Boulevard North
Oshawa, Ontario
L1G 5T9
(905) 579-3313

TYPE OF BUILDING: Three Storey Long Term Care Facility

THIS OFFICIAL DOCUMENT IS TO BE KEPT READILY AVAILABLE ON SITE AT ALL TIMES FOR USE BY FIRE OFFICIALS AND DESIGNATED BUILDING PERSONNEL IN THE EVENT OF AN EMERGENCY

June 14, 2022

Table Of Contents

Record Of Revisions

Date	Title	Pages	Deleted	Revised

Introduction

The Fire Safety Plan has been prepared under the guidance of Oshawa Fire Services in accordance with the requirements of the Ontario Fire Code, Ontario Regulation 213/07.

The safety of the Residents, staff, visitors, and volunteers is a primary concern. Their safe evacuation from a fire or other emergency is paramount. The Fire Safety Plan is designated to assist those specifically assigned in the effective operation of the safety features in the building in the event of an emergency situation.

Maintenance of the safety features and systems, during non-emergency situations is imperative.

Distribution of the Fire Safety Plan:

Computer - "Home Management" and "Everyone" Drives
Occupational Health Nurse
Environmental Services
Fire Emergency Room
Nursing Stations
Administration
Oshawa Fire Services

The Ontario Fire Code Revision 213/07 states:
"every person who contravenes any provision of the Fire Code and every director or officer of a corporation who knowingly concurs in such contravention is guilty of an offence and on conviction is liable to a fine of not more than $50,000 for an individual or $100,000 for a corporation or to imprisonment for a term of not more than one year, or both".

No changes are to be made to this plan without the approval of Oshawa Fire Services.

When changes are made, for whatever reason, the Fire Safety Plan is to be resubmitted to Oshawa Fire Services for approval.

The Fire Safety Plan is submitted yearly to Oshawa Fire Services for review and written approval.

Section 1: Audit of Resources

Emergency Contacts:

Building Owner: **Regional Municipality of Durham**
605 Rossland Road East
Whitby, Ontario L1N 6A3
905-668-7711

Director, Long Term Care & Services for Seniors Division:
Laura MacDermaid

Oshawa Fire Services: Emergency 911
Control Centre: Notification (905) 433-1234

Hillsdale Terraces 905-579-3313

Administrator: Joanne Iacono

:

Description Of Building

Hillsdale Terraces, built in 2006, is situated south of Rossland Road East and west of Ritson Road North in the City of Oshawa. Hillsdale Terraces is one of two buildings on the site – the other Being Hillsdale – 590 Oshawa Blvd. North, currently occupied by 300 residents. Parkland surrounds the two facilities.

Address: 600 Oshawa Boulevard North
Oshawa, Ontario L1G 5T9
Telephone: 905-579-3313
Fax: 905-579-4420

Constructed: Completed February 2006
Occupied: February 2006

Type: Long Term Care Facility
Occupancy: Type B

Number of Residents: 200

Number of Floors: 3 (All 3 floors are occupied by residents)
Partial Basement – Located under centre core area.
Penthouse

Description of Floors:

Main Floor:

Centre Wing: Main entrance, reception, fire emergency room, coffee Kiosk, auditorium, chapel, sitting area, Administration offices (containing 7 closed offices, meeting room, print room, one large open office area and banking office), Main Kitchen, Shipping/receiving area, Temporary storage room, Temporary food storage room and soiled linen storage room.
Northeast Wing: 12 resident rooms on the northeast side. There is also a secured garden, which is accessible by the activity room. There is a T.V. lounge and sitting area.
Southeast Wing: 13 resident rooms on the southeast side. There is an activity room, kitchen servery, dining room and family dining area. There is T.V. lounge and sitting area.
Southwest Wing: Home area has 25 resident rooms divided into 2-house units. There is a dining room, activity room and t.v. Room. There is a secured service corridor containing utility rooms, staff washroom and storage.
Northwest Wing: Home area has 25 resident rooms divided into 2-house units. There is a dining room, activity room and t.v. Room. There is a secured service corridor containing utility rooms, staff washroom and storage.

2nd Floor:

Centre Wing: Consists of Staff dining room, training room, staff locker rooms, Storage rooms, treatment room, physiotherapy and treatment room, manager lounge and locker room, beauty/barber shop, and 5 closed offices.
Northeast Wing: 12 resident rooms on the northeast side. There is an activity room, a T.V. lounge and sitting area.
Southeast Wing: 13 resident rooms on the southeast side. There is an activity room, kitchen servery, dining room and family dining area. There is T.V. lounge and sitting area.

Southwest Wing: Home area has 25 resident rooms divided into 2-house units. There is a dining room, activity room and t.v. Room. There is a secured service corridor containing utility rooms, staff washroom and storage.
Northwest Wing: Home area has 25 resident rooms divided into 2-house units. There is a dining room, activity room and t.v. Room. There is a secured service corridor containing utility rooms, staff washroom and storage.

3rd Floor:

Centre Wing: Consists of Mechanical rooms, boardroom, resident resource centre, storage rooms, tuck shop, treatment room, 2 offices and resident lounge area.
Southwest Wing: Home area has 25 resident rooms divided into 2-house units. There is a dining room, activity room and t.v. Room. There is a secured service corridor containing utility rooms, staff washroom and storage.
Northwest Wing: Home area has 25 resident rooms divided into 2-house units. There is a dining room, activity room and t.v. Room. There is a secured service corridor containing utility rooms, staff washroom and storage.

Penthouse:
Located above the centre core area of the third floor, it is accessible by using the centre core stairs (#6). The cooling tower is located in the penthouse.

Basement:
Located below the centre core area. It accessed from inside by the service elevator and stairwell #6. Stairwell #5 is for exiting purposes only and leads to the north side of the building by receiving. Located in the basement is the laundry dept, telephone rm, server room, diesel generator, wheelchair wash and storage room, mechanical rooms, elevator service room, 2 offices, maintenance room, 4 storage rooms and laundry chute room.

Outside: Transformer located outside to the north of the building by receiving area.

Stairwells:
There are 10 stairwells in total: there is a central stairwell beside the elevators which access all floors including the basement and penthouse. The home areas on the southwest and northwest sections of the building have stairwells at the end of each corridor on all floors. Stairwell #9 in the southeast section accesses the exterior and 2nd floor. Stairwells #7, #8 and #10 in the east section access the exterior only. Stairwell #5 in the basement accesses outside only. Stairwells are accessed by security card, and all have an exterior (released by security card) door to the outside on the main floor. Interior doors, which give access to the units and main floor, are released by "push-buttons". Stairwells #5, #7, #8 and #10 are key-locked from the outside and are used as exits only.

Elevators:
There are 3 elevators.
All 3 elevators are located in the centre core wing opposite the main entrance. Elevators 1 and 2 are for passenger service.
Oshawa Fire Services can operate the service elevator (elevator 3) independently of the other elevators to access all floors including the basement. A red fire hat identifies this elevator.

Fire Hydrants:
2 Private – one is opposite of the main entrance to the 590 building, and one is opposite of the mainentrance to the 600 building.
1 Oshawa Blvd. North – opposite main driveway entrance
1 corner of Gorvale and Hillsdale Ave
1 Hillcroft Street – north side.
1 Ritson Road – east side

Main Fire Route:
Main driveway off Oshawa Blvd. North between Ritson Road North and Rossland Road East.
Must NEVER be blocked i.e. No parking in fire route.
Alternate route – service road off Hillsdale Avenue (Behind Terraces facility)
Alternate route to be maintained year-round.
Oshawa Fire Services to be notified immediately if route is blocked.

Building Resources

Fire Services Access: Main entrance facing south – access is off Oshawa Blvd. North

Supra Key Box Location: Main Entrance of Lobby – Beside fire panel.

Key Availability: Key and security card
All doors are magnetically locked
All doors release when the fire alarm is activated.
The Emergency coordinator and Emergency Assistant both have security cards and keys.

Fire Alarm System: 2-Stage alarm system

Make & Model: Simplex System 4100U

Verification Number: AFS05-0236

Serviced By: SimplexGrinnell
A Division of Tyco International of Canada Ltd.
2400 Skymark Avenue
Mississauga, Ontario L4W 5K5
Phone: 905-212-4609 Fax: 905-212-4601

Activated By: Fire Pull stations located at the end of every corridor. In the Resident Care and Resident accessible locations, they are protected from accidental/intentional activation by a stopper cover.
Smoke detectors located throughout the building.
Sprinkler detectors located throughout the building.
Heat detectors located in elevator shafts and compactor room.
Duct smoke Detectors
Kitchen fixed Fire System – 1st/main floor – centre wing area.

Warning Devices: Horns and strobe lights throughout the building.

Main Fire Alarm and Annunciator Panel: Fire Emergency Room – 1st floor in centre core area. Resetting the Fire Alarm system is accomplished at this panel.

Main Annunciator Panel: Located inside the main entrance between the doors. Not used for resetting the fire alarm system.

Remote Annunciator Panels: In the nursing station in the southwest wing. On Main floor, 2nd floor, and 3rd floor.

Monitored by: Chubb 24hrs/day 1-800-387-0771

Exits Main Floor: Main Entrance
Main Floor – in every stairwell
Café sitting area – exit beside main entrance
Receiving area
East Wing Activity room – 2 doors exiting into secured gardens
Northwest Activity room – 1 door leading on to a patio
Southwest Activity room – 1 door leading on to a patio
North corridor running behind service elevator – 1 door leading outside

Exit Signs and Maps:
Directional exit maps are located on the walls to indicate means of egress. Illuminated, directional exit signs are suspended from the ceilings, throughout the building, to provide direction for building egress and evacuation.

Heat Detectors: 3 in the Elevator shafts (2 passenger and 1 service)
1 in the compactor room

Fire Department Connection: Located outside, east of the main entrance…. Refer to page 14

Main Shut off (Water): Basement located underneath centre core area – Mechanical Room.
Refer to Schematics…refer to page 58

Gas Shut off: Main Gas shut off, West side of garbage compactor…. refer to page 51

Sprinkler System:

Type: Wet throughout the facility – sprinkler heads activate when the temperature reaches 160 degrees.

Main Shut-off: Located in basement in the mechanical room (southeast corner)
Refer to page 58.

Generator: Located in the basement to the north.
Fuel: Diesel
Supplies emergency power to essential services: Lighting, electric nursing
Equipment (i.e. Beds, mechanical lifts), sanitation equipment, refrigerators,
Magnetic doors, telephones and fire alarm system. Heating system.
Compactor: Located in the compactor room on the north side of the building besides receiving.
Garbage chutes on 2nd and 3rd floor, which feed directly to the compactor.
Electrical Rooms: Main Electrical Room is located in the basement. Each house on main floor
2nd floor and 3rd floor has an electrical room…(panels refer to pages 62 -89)
Air Conditioning System: Chiller located in the basement in Mechanical room.

Cooling Tower: Located in the Penthouse above 3rd floor. Using centre core stairwell #6 may access penthouse.

Hydro Transformer: Located outside – to the north of the building by receiving.

HVAC System: All fans shut down when the fire alarm is activated – must be manually reset. There is a mechanical smoke exhaust system.
The Fire Department may access the smoke exhaust system located in the fire room in order to exhaust smoke out of the building. The following units outline which areas they will exhaust:
AHU –1…West Dining Rooms
AHU –2…West Core
AHU –5…West Core Centre
AHU –6…East Core Centre
AHU –7…East Core
AHU –8…East Dining
HRU –1…West Residents Rooms
HRU –2…East Residents Rooms
The following procedure must be carried out to operate the smoke exhaust system:
Once the fire alarm has been re-set: To By-pass fans:
Step 1. Press Menu
Step 2. Press Enter
Step 3. Press 1
Step 4. Press Enter
Step 5. Press 333
Step 6. Press Enter
Step 7. Press fan Shutdown bypass
Step 8. Press Trouble Acknowledge
Step 9. Press Exit.
Note: Only one air handler can operate at a time.

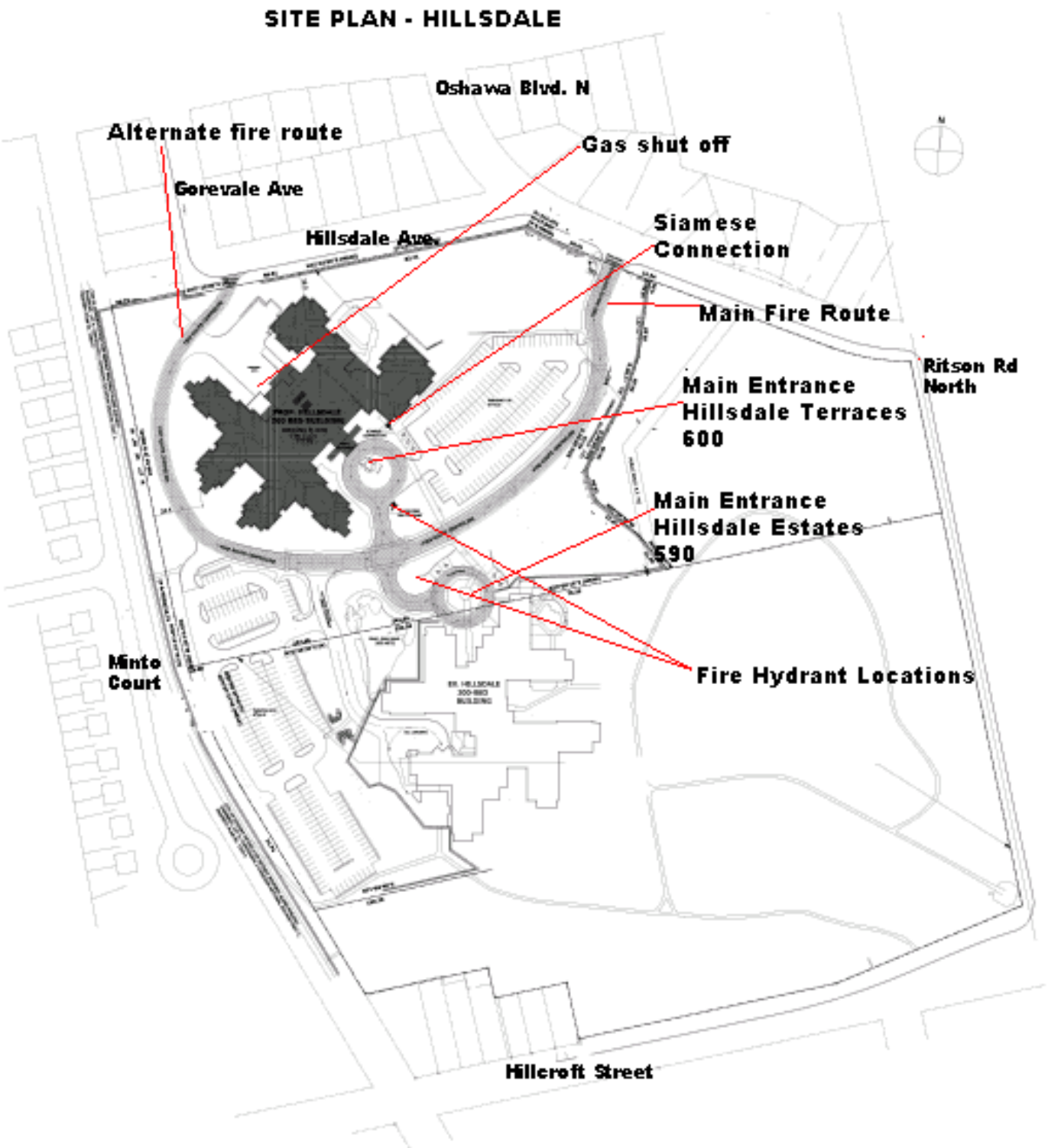
Windows: All windows on the outside of the buildings are sealed. On the inside, those with tempered glass (wired) are fire barriers.

Emergency Stretchers: The orange bags containing the emergency stretchers are located at the support station of all nursing stations in all 8 houses, at the reception desk.

Fire Emergency Room: Located on the main floor, centre core area. East side of the main East side of main lobby beside banking. The main fire panel, drawings, Records and the resetting of controls for the magnetic door locks, Ventilation system and elevators are located in this room. It is accessible only by security card and key.

Strobe Lights: Mounted on the walls throughout the facility. Flashes continuously during an Alarm.
Horns: Sounds continuously during an alarm. Intermittent during alert –Stage 1 - Intermittent
Stage 2 - Continuous

Kitchen Fire Suppression Systems: Make – Ansul R-102 Fire Suppression System
The fire suppression system may be activated by any one of 3 pull stations in the kitchen, which are located at all three exit points. When pulling one of these stations it will activate the fire suppression system, the signal will carry to the fire panel activating the fire alarm system.
The nozzles above the cooking area will release a liquid fire suppressant this will be followed by 3 minutes of water discharge from the self contained water supply. **Refer to back of fire plan for manufacturer's specifications regarding this system.**
The Ansul Piranha Fire Suppression Systems will be maintained on a semi-annual basis by an authorized technician.


SITE PLAN - HILLSDALE
Oshawa Blvd. N
Alternate fire route
Gas shut off
Gorevale Ave
Hillsdale Ave.
Siamese Connection
Main Fire Route
Ritson Rd North
Main Entrance Hillsdale Terraces 600
Main Entrance Hillsdale Estates 590
Fire Hydrant Locations
Minto Court
Hillcroft Street

Section 2 – Emergency Procedures

Emergency Codes:

Code Black	Bomb Threat
Code Brown	Hazardous Material Spill (internal)
Code Green	Evacuation
Code Grey	Button Down
Code Orange	Relocation
Code Red	Fire
Code White	Aggressive Behaviour
Code Yellow	Missing Resident
Code Blue	Medical Emergency

General Emergency Procedures:

Upon Discovery of Fire and/or Smoke:

RACE
Remove people from immediate danger
Activate the fire pull station
Close the door and contain the fire
Extinguish the fire – if possible

When the Alarm Sounds:

Code Red (Fire) Alert Signal

(Intermittent tone – horn and continuous flashing strobe lights)
assess your level of safety
prepare to respond and assist!

Code Red (Fire) Alarm Signal

(continuous tone and increased flashing "fire" strobe lights)
evacuate!

Code Red – All Staff

A. **If You Discover Fire or Smoke:** **R.A.C.E.**
Remove all people from immediate danger
Activate the fire alarm pull station
Close the door to contain the fire and place flex-evac in correct position.
Extinguish the fire – if possible

Every situation is different:
You may have to change the order of the above 4 steps
Always attempt to the 4 steps

B. Call Out Location to Co-Workers: eg. "Code Red –208 – Help"
C. Evacuate: the entire zone – beyond fire barrier doors.

D. As Soon as You "Hear" The Code Red Alarm:

Stop all activity end all phone calls
Check immediately for red dome lights outside residents rooms – on corridor ceilings
Turn on lights
Clear all corridors of all people into the nearest room – with a window
Clear all equipment out of the corridors – into the nearest storage room or bathroom
Lock all filing cabinets
Close all doors

Code Red Is in Your Area:

Evacuate all people from the fire zone beyond the fire barrier doorsFollow procedures for your department

Code Red Is Not in Your Area:

All Staff: 1 HCA remains in each House – and patrols the house throughout the alarm until thecode "Code Red All Clear" is announced over the telephone paging system

(On 1st and 2nd floors, East wings. Monitor the doors and residents. Gather ambulatory Residentsin the Activity or Dining Room)

Remaining Staff: Proceed Directly to:
1st Floor: Command Centre (main entrance)2nd
Floor: Southwest House – Sugar Trail 3rd
Floor: Southwest House – Ocean View

First person at the Annunciator Panel: press "Alarm Ack" to determine the fire location
All staff present – Go directly to the fire scene – with an extinguisher (if possible)
Use the centre stairs - unless inaccessible (never the elevator)

E. At The Fire Scene:

All staff evacuate all people from the entire zone – beyond fire barrier doors. Receive and follow directions of the Emergency Coordinator wearing the orange vest.

Do not resume normal duties: until it is announced over the telephone paging system:"Code Red All Clear"

Important

"Code Red" and Specific Location – are announced x3
"Code Red" All Clear" - is announced x3

Help is immediately needed – at the fire scene.

When evacuating, check bathrooms, closets, under beds, behind curtains; stairwells, dining rooms,sitting rooms, activity rooms, balconies, lounges etc**.**

Evacuation is always beyond fire barrier doors

You may be required to have a "runner" to carry messages back and forth when Code Red is in effect as you are

arriving or leaving the building:

- Proceed to the command centre (Main Entrance)
- all staff outside must report to the command centre to assist.
- Alternate command centre (Nursing Station, 1st floor Southwest Wing)
- Clear the main lobby of all people into the auditorium
- Clear the main entrance
- Then wait by the windows on the west side of the lobby
- Follow directions of the emergency assistant

If the alarm and flashing lights stop – it does not mean the emergency is over."Code Red All Clear" must be announced.

All fires must be reported to the Oshawa Fire Services and a "Code Red Report" completed.

Code Red: Business Offices and Administration Offices

At the Command Centre/Main Entrance and Lobby:
Clear the lobby of all people to the auditorium – unless inaccessible
Clear the elevators of all people into the auditorium – if inaccessible use the dining rooms in the southwest and northwest wings.
A staff person remains with them

Direct all vehicles away from the driveway/main entrance
Receive direction from the Emergency Assistant – wearing the orange vest.

Receptionist keeps the telephone lines open: "We are having an emergency – call back later"

Senior administration may take charge and direct the staff response during the emergency – as deemed appropriate or necessary. If so doing, they will wear the orange vest.

Code Red – Food Services

Dining Room and Servery on 1st. 2nd and 3rd Floors:
Remain with Residents in the Dining Rooms
Remaining staff proceeds to Southwest wing to determine the fire location and proceed to the scene.

Main Kitchen 1st Floor:
If the fire is on the stove: The fire may be extinguished using the "K" extinguisher provided in the kitchen. By pulling the ansul pull stations at any one of the three exits, the kitchen suppression system will be activated, and the fire alarm will sound. Staff must evacuate the kitchen and close all doors when leaving and report directly to the command centre. (Staff in the main kitchen will report to the main command centre located in the lobby for instruction from the EA)

Code Red – Environmental Services

Mechanical Maintenance may be required to assist with resetting procedures and provide directionto Oshawa Fire Services
Maintain communication with the Emergency Coordinator and Emergency Assistant regarding equipment and response concerns.

Code Red – Therapy and Recreation Services

Provide instruction to Visitors and Volunteers to remain with Residents.

Code Red – Hairdressers

Turn off all equipment
If the fire is in the salon – evacuate all people to the southwest wing dining room.

Volunteers And Visitors

Remain with your Resident(s)
Follow the directions of the staff

Coffee Kiosk

Turn off, or unplug, all equipment
Close windows and door
Remove people from sitting area to Auditorium (Remain in Auditorium)
Receive direction from Staff

Emergency Assistant And Emergency Coordinator

On all Shifts:
EC is the RN on 1st Floor Southwest Wing (Vineyard View) and takes charge at the Fire Scene
Receives and signs for keys and security card with the previous Emergency Coordinator.
EA is the RPN on 3rd Floor (Lighthouse Lane) who calls 911 and is in charge at the Command Centre (Main Entrance/Reception)
Receives and signs for keys and security card with the previous Emergency Assistant.

The **RPN on Main Level, Southwest wing (Vineyard View) remains at the nursing station** as it is the backup Command Centre and directs staff and calls as necessary.
Identifies, at the start of the shift that the Emergency Coordinator and Assistants are confirmed, andcommunication is effective.
This location is the back-up Command Centre.

Emergency Assistant

As Soon as The Code Red Alarm Is Heard:

- Calls 911 – portable phone:
- 1st Call – to ensure Oshawa Fire Services received the "Code Red Fire Alarm at 600 Oshawa Blvd. North"
- at the main entrance, checks the Fire Annunciator Panel – to determine the exact location of the Fire emergency
- 2nd call – gives the exact location e.g., "Code Red, 3rd Floor, Northwest wing, north corridor,Lighthouse Lane"
- announces the exact fire location over the telephone paging system Press *007, 00-then press "end" to end the page.
- Wears the orange vest (located at the Receptionist desk)
- Meets and directs staff and emergency responders at the Command Centre
- Directs a staff member to accompany Oshawa Fire Services
- If additional staff is required, EA to notify Hillsdale Estates for assistance. (Call Estates EC at Ext. 6418)
- Ensures the lobby is clear of all people into the Auditorium or, if inaccessible the Worship Centre
- Staff wait by the windows to the west of the main entrance for directions to the fire scene
- If sufficient staff available, sends 1-2 to assist on Main Level (secured unit) Rose Garden.
- May direct a staff to be the "runner"
- Ensures the main door is open for Oshawa Firefighters
- Opens the fire Emergency room and the Annunciator Panel
- Performs the resetting procedures with the Emergency Coordinator when directed by Oshawa Fire Services
- Announces the "Code Red – All Clear" x3, when directed by the Emergency Coordinatoror Oshawa Fire Services
- Completes the Code Red Summary with the Emergency Coordinator

Emergency Coordinator

- Goes directly to the annunciator panel
- If arrives before the EA, announces location of fire from the Fire Panel, over the PA system
- Acknowledge the "alarm ack" to determine the location of the fire
- Wears the orange vest to facilitate recognition
- Proceeds to the fire Scene
- Assumes charge at the fire scene
- Provides direction to staff
- Identifies the type of fire – Class A (flammable materials), B (flammable liquid, gas) or C (electrical)
- Ensures the steps to RACE have been implemented
- Assess the severity of the situation
- May activate the 2nd stage alarm
- Ensures fire zone evacuation is undertaken and completed.
- Works with mechanical maintenance staff
- Works with Oshawa Fire services

- Advises the Emergency Assistant of the location and severity of the fire.
- Requests Staff from the Emergency Assistant or uses “all page”
- If additional staff is required, EA to notify Hillsdale Estates for assistance. (Call Estates EC at (905) 579-1777 Ext. 492)
- When directed by Oshawa Fire Services, resets the fire alarm system, ventilation system, magnetic door lock system and elevator system with the Emergency Assistant.
- Instructs the Emergency Assistant t announce the “Code Red All Clear” x3
- Completes the Code Red Summary with the Emergency Assistant for EVERY Code Red Alarm
- Leaves emails for management staff of the alarm.

Evacuation (Code Green)

Evacuation of the Fire Zone is Mandatory.

If the disaster, is extensive a full evacuation may be required, and **Stage 2** of the alarm system will be activated and the Evacuation Procedure are in effect **(Code Green).**

The Emergency Coordinator, Administrator or Senior Manager or Oshawa Fire Services may order evacuation. Oshawa Fire Services is responsible for fire fighting but may assist with evacuation. Police and Ambulance will coordinate their services with the needs as indicated.

The responsibility of Hillsdale staff is the safety and evacuation of the Residents.

Evacuation may be horizontal or vertical:

Hillsdale Terraces – 600 Oshawa Blvd. North Emergency Transfer Of Keys and Security Card

Month/Year_____

Please initial the transfer of the emergency keys and security card from the Emergency Assistant on one shift to the Emergency Assistant of the next shift.

Date	**0700**		**1500**		**2300**	
	Night	**Day**	**Day**	**Evening**	**Evening**	**Night**
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At the end of each month forward the completed form to the occupational Health Nurse.

Hillsdale Terraces – 600 Oshawa Blvd. NorthEmergency Coordinator
Transfer Of Keys And Security Card

Month/Year_____

Please initial the transfer of the emergency keys and security card from the Emergency Assistant on one shift to the Emergency Assistant of the next shift.

Date	**0700**		**1500**		**2300**	
	Night	**Day**	**Day**	**Evening**	**Evening**	**Night**
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At the end of each month forward the completed form to the occupational Health Nurse.

Hillsdale Terraces – 600 Oshawa Blvd. North

Code Red
Post Reports

Date of Alarm:_____

Time Of Fire:_____ **Time Fire Dept. Notified:**_____

Specific Location of Fire:_____

Description of Incident: (What, Where, When, Why, Who & How)

Describe Fire Department Response:

Describe Staff Response:

Describe Concerns with Equipment:

Follow-up Action Taken:

Recommended Follow-up Action:

Comments:

***Notify the following by e-mail (All Hillsdale) and/or telephone**:

Administrator:_____ Assistant Administrator:_____
Manager Environmental Services:_____ Director of Resident Care:_____
Resident Care Coordinator:_____ Occupational Health Nurse:_____

Emergency Coordinator:_____
(signature)

Emergency Assistant:_____
(signature)

Date of Report:_____

Original Report: To Occupational Health Nurse who will copy the Administrator, Assistant Administrator and Manager of Environmental Services; original report retained in the Code Red/Fire Summary Binder in the Fire Emergency Room.

Feb./06

Ontario Ministry of Health and Long Term Care
CRITICAL INCIDENT REPORT

Date
Time

Critical Incident #	CI Date and Time	Date and Time CI first Submitted to MOH	Current Status
Address			

I Mandatory/Critical Incident Description

Area/Location of Unusual Occurrence:

Please identify whether you are reporting a Mandatory Report or a Critical Incident:

Which Critical Incident category best applies?

Select relevant sub-category as applies to Injury resulting in a transfer to hospital

Description of the incident, including events leading up to the incident

II Identifying information

Resident(s) Involved

Resident(s) Involved

Resident(s) Involved

Name of Resident(s) who were PRESENT and/or DISCOVERED the Unusual Occurrence

Name of Resident(s) who were PRESENT and/or DISCOVERED the Unusual Occurrence

Name of Visitor(s) who were PRESENT and/or DISCOVERED the Unusual Occurrence

Ontario Ministry of Health and Long Term Care
CRITICAL INCIDENT REPORT

Date
Time

Critical Incident #	CI Date and Time	Date and Time CI first Submitted to MOH	Current Status
Address			

Name of Visitor(s) who were PRESENT and/or DISCOVERED the Unusual Occurrence

Name of Staff who were PRESENT and/or DISCOVERED the Unusual Occurrence

Name of Staff who were PRESENT and/or DISCOVERED the Unusual Occurrence

Name of other person(s) PRESENT and/or DISCOVERED the Unusual Occurrence

Name of other person(s) PRESENT and/or DISCOVERED the Unusual Occurrence

Name of home staff RESPONDING to Unusual Occurrence

III Actions taken

What care was given or action taken as a result of the Unusual Occurrence?

By whom?

Was physician called?

Date and Time physician called (MM/DD/YYYY HH:MM)

Ontario Ministry of Health and Long Term Care
CRITICAL INCIDENT REPORT

Date
Time

Critical Incident #	CI Date and Time	Date and Time CI first Submitted to MOH	Current Status
Address			

Name of physician

Physician's action

What other additional authorities were contacted ? (e.g. First Nations Band Council, Veterans Affairs Canada, Ministry of Labour, etc.)

For resident-related occurrences

Were relative(s), friend(s), designated contact(s) and/or substitute decision maker(s) contacted?

If YES, provide name of relative(s), friend(s), designated contact(s) and/or substitute decision maker(s) contacted

What is the outcome/current status of the individual(s) who was/were involved in this occurrence?

IV Analysis and follow-up

What immediate actions have been taken to prevent recurrence?

What long-term actions are planned to correct this situation and prevent recurrence?

Name of person initiating report

Category of person initiating report

Date of report (MM/DD/YYYY)

Ontario Ministry of Health and Long Term Care
CRITICAL INCIDENT REPORT

Date
Time

Critical Incident #	CI Date and Time	Date and Time CI first Submitted to MOH	Current Status
Address			

Please check to confirm the Administrator or Designate has signed the original of this form

Other category of person initiating report

Section 3: Responsibilities

Administrator/Assistant Administrator:

- Ensures the fire, evacuation and emergency plans are developed and approved
- Is responsible for the overall supervision and education in matters of fire safety and emergency procedures on premise
- Ensures adequate records of all staff training and fire drills are maintained.
- Has a working knowledge of all fire equipment and fire alarm system
- Reviews inspection reports with Environmental Services to ensure all work is completed
- Member of the JOH&SC and Emergency Planning Committee

Manager of Environmental Services:

- Supervises Mechanical Maintenance Staff
- Arranges and coordinates repairs to all fire equipment
- Ensures the contract for services to maintain the fire alarm system and related equipment is maintained and followed by the company on contract
- Maintains communication with the Administrator of inspections and subsequent compliance including repairs pertaining to fire and other equipment
- Participates in the Joint Occupational Health and Safety Committee and Emergency Planning Committee.
- Maintains records of inspections and work-completions reports.
- Ensures all commercial equipment is maintained in safe working order
- Maintains the appropriate labeling and storage of all chemicals
- Ensures fire routes remain unobstructed.
- Ensures building exists are clear e.g. Of snow and equipment
- Ensures fire hydrants, pump connections are accessible
- Maintains records of the cleaning of filters, grease traps etc.
- Maintains internal maintenance records
- Ensures communication with all departments with regard to disruption to fire alarm system
- Have a working knowledge of all fire equipment and the fire alarm system
- Maintains communication with Oshawa Fire Services with regard to all fire system repairs and disruptions to alarm service
- Coordinates appropriate training for mechanical staff and management
- Investigates circumstances related to a fire emergency with OHN and completes “Unusual Incident Report” for MOHLTC.

Emergency Planning Committee

- Co-Chairs ensure all departments are represented
- Develops all emergency plans
- Ensures all emergency plans are reviewed, revised, and approved yearly
- Meet quarterly

Joint Occupational Health and Safety Committee:

- Co-Chairs ensure the complete yearly inspection of the building and grounds.
- Co-Chairs ensure fire related safety concerns are addressed
- Reviews inspection reports and repairs

Occupational Health and Safety Nurse:

- Investigates the circumstances related to a fire emergency with Manager of Environmental Services and completes the "Unusual Incident Report" for the Ministry of Health and Long-Term Care
- Works with Environmental Services Manager in assisting with monthly fire drills, summary reports, fire education, training and other related in-services for staff, fire extinguisher practice, and in ensuring staff attendance records are signed by attendees
- Maintains a record of inspections
- Participates in the Joint Occupational Health and Safety Committee and Emergency Planning Committee
- Have a working knowledge of all fire equipment and fire alarm system
- Maintains communication with Oshawa Fire Services

Managers, Supervisors, Charge Nurses:

- Are knowledgeable with regard to all types of emergencies and appropriate response and procedures
- Participates in the development of emergency procedures
- Ensure staff receive appropriate training and retraining in fire procedures and equipment location and use
- Ensures that staff attend fire in-services and extinguisher training
- Ensure equipment throughout the facility is in good condition
- Are knowledgeable in acknowledging the fire trouble or alarm
- Ensure the monitoring of the facility when there is a disruption to the fire alarm
- Conduct "silent drills" with their staff

Director of Food Services

- Ensures fire equipment and fire suppressant system are maintained and inspected
- Ensures regular equipment, grease filters, etc. are maintained and cleaned

Key Contact Persons: Refer to Emergency Management Contact/Notification List

Staff Training

Code Red Fire Review
Scheduled yearly for all staff and as needed
New staff receives an introduction on general orientation day
Coordinated by the Occupational Health and Safety Nurse/Manager ES

Fire Extinguisher Practice
Scheduled yearly for Mechanical Maintenance staff, Managers and Supervisors and Registered Staff
Remaining staff is scheduled on a 3-year cycle
Coordinated by the Occupational Health and Safety Nurse/Manager ES
Conducted by Oshawa Fire Services Fire Prevention Department
Spring and fall

Code Red (Fire) Drills
Conducted 3 x month – on each shift in different areas of Hillsdale
Coordinated by the Occupational Health and Safety Nurse/Manager ES
Scheduled or spontaneous

Silent Code Red (Fire) Drills
The Fire Alarm is not activated
Procedures are reviewed and practiced

Fire Alarm System and Related Equipment
Coordinated by the Manager of Environmental Services
For Mechanical Staff and Supervisors and Managers
Scheduled as needed

Other Emergency Plans
Coordinated by the Co-chairs of the Emergency Planning Committee

Staff Attendance Records
Staff signs on attendance at all in-services
The Administrative Assistant maintains records

Hillsdale Terraces
600 Oshawa Blvd. North

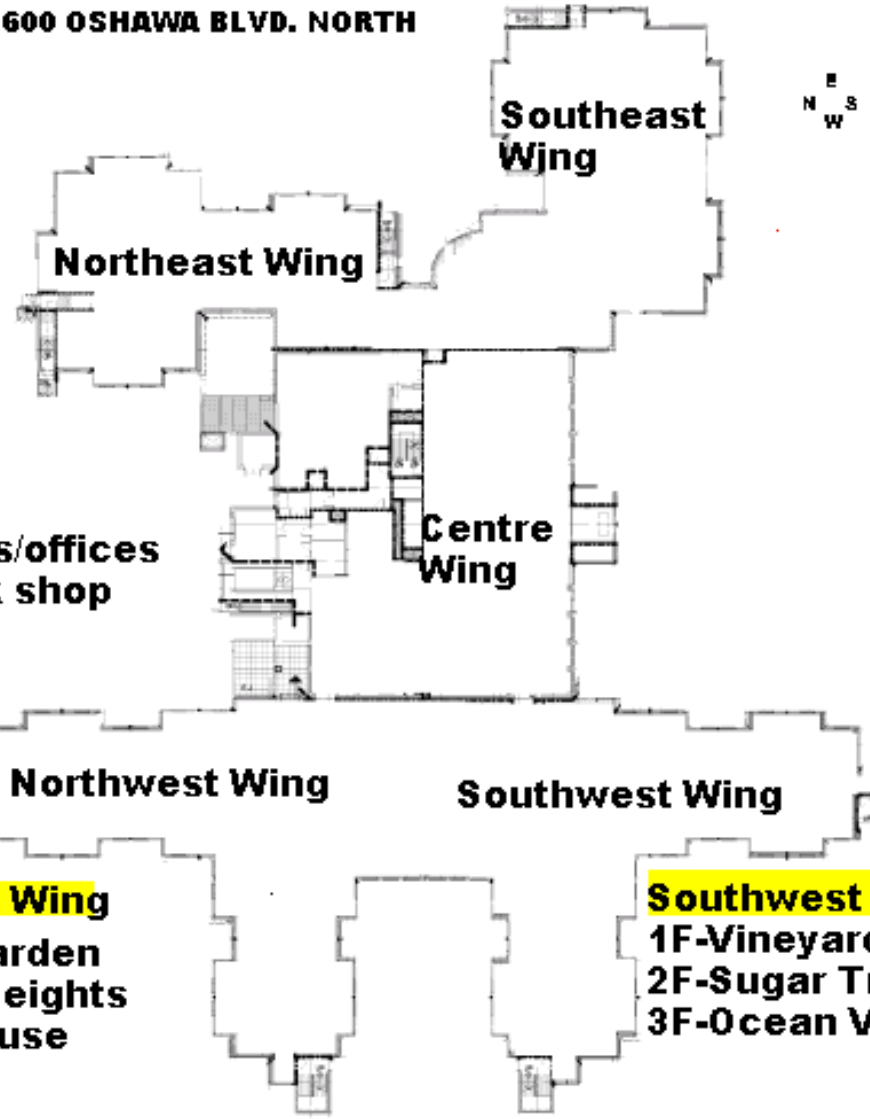
**Annunciator Panels: Alarm Acknowledge//

When "Alarm Ack" is pressed on the annunciator panel during a "Code Code", the display will indicate the location of the fire alarm:

11:01:26pm WED -01-JAN-06 2ND FL. S/W: CORR.BY RESIDENTS ROOM #201 SMOKE DETECTOR

HILLSDALE TERRACES

600 OSHAWA BLVD. NORTH



East Wing
1F-Garden Gate
2F-Forest Hill

Centre Core
Basement
1F-Admin/Lobby
2F-Staff change rms/offices
3F-Boardroom/Tuck shop
Penthouse

Northwest Wing
1F-Rose Garden
2F-Cedar Heights
3F-Lighthouse Lane

Southwest Wing
1F-Vineyard View
2F-Sugar Trail
3F-Ocean View

IN CASE OF FIRE!

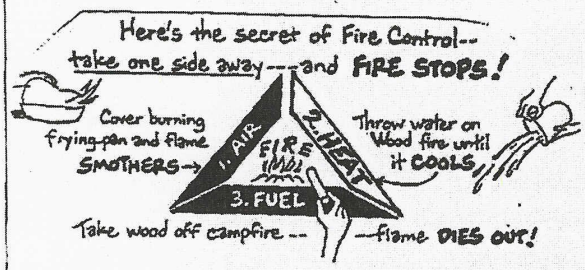
REMOVE - EVERYONE FROM THE IMMEDIATE AREA TO AN AREA OF SAFETY ON THE OTHER SIDE OF A "FIRE DOOR".

ACTIVATE - THE "PULL STATION". THIS IS YOUR "CALL FOR HELP".

CLOSE - ALL DOORS. THIS PROTECTS RESIDENTS AND CONFINES THE FIRE.

EXTINGUISH – THE FIRE IF POSSIBLE. AS LONG AS THE OTHER 3 STEPS ARE COMPLETE OR BEING CARRIED OUT.

Here's the secret of Fire Control...take one side away and the FIRE STOPS!!

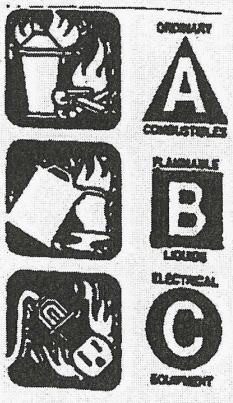


Your Extinguisher must fit the fire:

Type A: Ordinary combustibles, such as wood, cloth, paper, rubber, and many plastics.

Type B: Flammable liquids such as gasoline, oil, grease, tar, oil-based paint, lacquer, and flammable gas.

Type C: Energized electrical equipment, including wiring, fuse boxes, circuit breakers, machinery and appliances.



There are also multipurpose or "combination" portable fire extinguishers on the market – the ABC type.
Be sure you are fighting a fire with the proper extinguisher. It is particularly dangerous to use water on a Type A extinguisher on a grease or electrical fire.

If you do fight the fire, remember the word PASS

PULL the pin: Some extinguishers require releasing a lock latch, pressing a puncture lever, or taking another first step.

AIM low: Point the extinguisher nozzle (or its horn or hose) at the base of the fire.

SQUEEZE the handle: This releases the extinguishing agent.

SWEEP from side to side: Keep the extinguisher aimed at the base of the fire and sweep back and forth until it appears to be out. Watch the fire area. If fire breaks out again, repeat the process.

Page 39 of 39

Home: **Hillsdale Terraces** Date: _____

☐ **Mandatory Training:** Turn over page to check off type of training AND list names of attendees below

☐ **Home/Department Specific Training:** Fill in title of training here AND list names of attendees below

Title of Training: _____

Facilitator:_____Duration of Training:_____

****NOTE: If names are not printed & legible they will NOT be entered & recorded onto the ELM System**

Name – PRINT ONLY	Department

Forward original to: Ann Nicoll, Administrative Assistant, (Ann to cc: Katherine Saal @ RHQ)

Revised January 2013

Section 4: Fire Alarm Activation / Reset Procedures

Activation of the 2-Stage Alarm System:

The alarm is both auditory and visual (flashing lights).

Stage 1: Alert Stage

- Activation of an alarm occurs from manual activation of the fire pull station, or automatic from a smoke, heat or sprinkler head
- Alarm sounds at 120 strokes per minute on the floor where the alarm is initiated and the floors above and below
- In the remainder of the building the alarm sounds at 20 strokes per minute
- Strobe lights mounted on the wall flash silver continuously
- The alarm is to be and must BE acknowledged, by staff, on one or more of the annunciator panels
- The alarm is NOT TO BE RESET until authorization is given by Oshawa Fire Dept Official-in-Charge
- Oshawa Fire Dept., as deemed necessary, may utilize the full paging system.

Stage 2: Evacuation Stage

- If the alarm is NOT acknowledged within 5 minutes, the alarm automatically goes into evacuation alarm
- To initiate an evacuation alarm, the key must be inserted into the fire pull station and turned or activated
- The evacuation alarm can only be cancelled by Oshawa Fire Dept at Hillsdale

Fire Alarm Reset or Silencing:

- The alarm can only be silenced or reset at the direction of Oshawa Fire Dept at Hillsdale
- Refer to Attached Procedure
- Resetting of the Fire Alarm System, Magnetic Door Locks, occurs in the Fire Emergency Room on the main floor, centre wing behind the Reception Desk.
- Resetting of the Ventilation system is done by pressing and holding the “Code Grey Reset” button for 4 seconds. (Located on smoke panel in Fire Room).
- Kitchen or mechanical maintenance staff accomplishes resetting of the kitchen breakers.

Resetting Procedures For Fire Alarm System* and Equipment
(When direction is received from Oshawa Fire Services)

1. **Reset The Activated "Simplex Fire Pull Station" (s) –located throughout the home except the kitchen.**
   1) **Insert** key into top keyhole and turn clockwise
   2) **Open** the door, lift the hammer and reposition the "pull down" lever.
   3) **Close** door and lock
   4) **Insert** "glass" and lower hammer (if available)

2. **Reset The Activated "Ansul Kitchen Pull Station" (s) –located in the kitchen.**
   1) **Insert** key into top keyhole and turn clockwise
   2) **Open** the door
   3) **Replace** pull bar
   4) **Close** and lock door

3. **Reset The "Fire Alarm System: - Fire Annunciator Panel – Fire Room*With the same key used to reset the pull station:**
   1) **unlock and open** the panel door
   2) **press** "Alarm Silence"
   3) **wait** 30 seconds – panel should read "alarm silenced"
   4) **press** "SYSTEM RESET"
   5) **wait** 30 seconds – panel should read "system is normal"

4. **Reset the "ventilation system" –push button marked "code grey reset" for 4 seconds. (This will reset the building ventilation system)located in Emergency Fire Room – ref page 51.**

5. **Reset The "Magnetic Door Lock System – Fire Dept Room**

6. **Reset Elevators – Main Floor**
   1) Go to elevator panel (between elevators 1 and 3) insert key, in bottom redarea, and turn to off
   2) Go to service elevator panel (at service elevator) – insert key (red area) andturn to off.
   3) Return to main elevator panel – insert key and turn to auto
   4) Return to service elevator panel – insert key and turn to auto
   5) Return to Fire Dept Room – insert key and turn to auto

Section 5: Code Red Fire Drills

Reference: Code Red Manual (Fire Procedures)

Fire Drills are held monthly on three shifts (0700-1500, 1500-2300, 2300-0700)

Drills may be planned spontaneously or with staff being notified in advance, or spontaneous.

Strobe Light and Sign:

- A Red strobe light on the floor is used to indicate "smoke";
- A sign marked fire on one side and a picture of fire on the other indicates the actual "fire"
- The "smoke" is often found in the corridor while the "fire" may be on a bed, garbage pail, computer, linen cart, chair, photocopier, etc.

Notification to Oshawa Fire Services and Chubb: refer to page 12

- Immediately prior to commencing a fire drill:
  Oshawa Fire Services and Fire Monitoring Company (Chubb) are notified.
- The name of the person conducting the drill is given.
- Both record the time the alarm is received and any messages from Hillsdale.
- When the system is reset, both are contacted again to ensure their systems are reset asap (under 5 minutes)

Staff Response:
Staff are instructed to respond to a drill as they would a true alarm (excluding the emission of extinguishers).

Evacuation:
Evacuation of the entire zone is part of the drill – is mandatory unless directed otherwise by the drill co-coordinator.

Inservice:
After every fire drill there is a debriefing involving all Staff.
Action and procedures are reviewed and discussed.

Reports:

- Completed by the person conducting the drill and a second one by the Emergency Assistant and Coordinator.
- From reports and observations, both verbal and written, received, equipment is repaired, additional training is given, changes are made to the process.
- Reports are kept on site for 2 years

Records

Records and reports of drills, alarms, checks, inspections, repairs and servicing are maintained in the Fire Emergency Room, main floor – centre core.

Section 6: Control of Fire Hazards In The Building

Fire Prevention:
The possibility of accidental fire is always present – the best way to fight fire is to prevent it first.

Fire Prevention Is Everyone's ResponsibilityHillsdale Terraces Is A Smoke-Free Facility

Resident Care Areas:

- Ensure any personal equipment is approved by Environmental Services before allowing it in a Residents room (e.g. radios, televisions, lights)
- Keep corridors and rooms unobstructed
- Keep stairwells & fire equipment (pull stations, extinguishers) clear
- Keep doors to stairwells closed at all times
- Do not prop open doors
- Report any equipment that is not working properly – discontinue use, tag, place notice in Maintenance repair book and report to Environmental Services
- Keep sprinkler heads free and unobstructed
- Do not use flammable decorations
- Remove accumulated paper boxes etc.

Office Areas:

- Do not accumulate paper and boxes; store inactive files, etc. in approved storage room
- Keep hallways , corridors free of obstructions e.g. chairs and boxes
- Keep stairwells doors closed at all times and NEVER prop fire doors open.
- No smoking indoors and only 30' from the building
- Keep combustibles away from electrical outlets
- Keep all fire equipment unencumbered and easily accessible
- Do not use flammable decorations

Electrical:

- Report all electrical concerns to Environmental Services immediately
- Do not use extension cords
- Space heaters are prohibited from the facility.
- Do not allow any items to contact
- Replace damaged wiring immediately
- Remove and report damaged or frayed electrical wires
- Discontinue using a device that causes a breaker to "trip" frequently

Storage:

- Do not allow stored items to touch electrical outlets
- Store combustible, flammable chemicals separately from other combustibles (e.g. linensand paper
- Store all chemicals in approved containers in only approved storage areas
- No smoking
- Store all items neatly and safety to prevent falls and breakage
- Keep neat and clean of debris

- Keep doors closed and locked at all times
- Do not obstruct breaker panels

Smoking:

- Hillsdale Terraces is a smoke-free facility – smoking is prohibited.
- Smoking outside is to be 30' from the building as per regulation
- Immediately report to the Charge Nurse any person smoking in the building

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Compressed Gas: (e.g. oxygen)

Protect cylinders against mechanical/physical damage

- must be equipped with valve caps when not in use
- to be stored in areas where the temperature does not exceed 52 C. (125 F.)
- store cylinders on racks.
- never use oil or grease to lubricate valves or fittings on oxygen cylinders or equipment used to transfer oxygen
- **oxygen does NOT burn – but it causes combustible material to burn faster and stronger with higher intensity
- post signs "Oxygen in Use - No Smoking"
- educate staff, Residents, visitors and volunteers on the dangers and precautions when using oxygen

Sprinkler Heads:

- Ensure there is an 18" clearance to prevent damage and activation

Public Areas:

- Have all items approved by Environmental Services before taking to a Residents room
- No smoking - Hillsdale Terraces is a smoke-free facility
- Prevent the accumulation of paper, boxes, etc.
- Keep walkways clear of equipment and furniture
- Keep stairwells accessible
- Do not prop open doors
- Keep electrical outlets free of obstruction
- Do not use flammable decorations

Exit Signs:

- Must be illuminated and visible
- Replace burn-out bulbs immediately
- Remove or cover if passage of egress is obstructed

Section 7: Maintenance Procedures

Check: visual observation to ensure the device or system is in place and is not obviously damaged or obstructed.
Test: the operation of a device or system to ensure that it will perform in accordancewith its intended operation or function.
Inspect: physical examination to determine that the device or system will apparently perform in accordance with its intended function.
ES – Environmental Services (Mechanical Maintenance)
SG – Simplex Grinnell or designated contractor

Fire Alarm Systems:

1. **Daily Check: ES**
   - All fire panels for trouble indication and that the AC power-on light is on. If the trouble light is activated or the AC power-on light is off, ES Manager to be notified

2. **Monthly Test: ES and SG**
   - Every month the following tests are conducted and, if a fault is established, appropriate corrective action is taken:
   - One manual alarm-initiating device is operated on a rotation basis to initiate an alarm
   - Proper function of all alarm signal appliances is ensured
   - Annunciator panel is checked to ensure the tested devices annunciate correctly
   - Proper function of all alarm signal appliances is ensured
   - Audible and visual trouble signals is ensured
   - Alarm and standby power batteries checked to ensure that
     - Terminals are clean and lubricated prn
     - Terminal clamps are clean and correct
     - Electrolyte level and specific gravity are as specified by manufacturer

3. **Annual Inspection Test: SG**
   - All components are tested once a year.
   - Appropriate action to be taken if a malfunction is found
   - To be operated under general alarm conditions
   - A minimum of 6 manual alarm initiating devices, most remote from the standby power supply, to be activated individually, with the main power supply disconnected
   - Every manual alarm-initiating device on every floor, every location to be activated on the main power supply
   - Every audible and visual signal appliance operated during the testing of alarm-initiating devices
   - Every automatic alarm-initiating device tested for its intended function
   - Every alarm signaling, alarm initiating circuit and annunciator to be checked for electrical supervision and trouble indication
   - Correct annunciation to be ensured for every initiating device tested

- Fire alarm system control unit will be visually checked to ensure the control unit has not been altered except as specified

Emergency Lighting

1. Monthly Check: SG

- Every emergency lighting unit to ensure the lights will function when primary power is lost.

2. Annual Test: SG

- Every lighting unit to ensure that the unit will provide emergency lighting for a duration equal (1hr) to the design criteria using simulated power failure conditions
- Records to be maintained for minimum 2 years of all inspections and testing

3. Emergency Generator:

- Tested on a monthly basis for a period of 4 hours.
- Replenish fuel as needed
- All tests and repairs to be documented and recorded

Fire Separations

1. Monthly Inspection: ES

- Closures on all doors are not blocked or wedged open
- Door hardware and ancillary components are adjusted to ensure proper closing and latching
- Door openings and surroundings are clear of obstructions that could interfere with operation
- Heat and smoke activated devices are undamaged and free of paint and dirt

2. Annual Inspection: SG

- Fire dampers and fire-stop flaps annually or on approved schedule
- Closures are maintained and operable
- Repair or replace inoperative parts of hold-open devices and automatic releasing devices whenever necessary
- Closures in fire separation are not blocked or wedged open
- Defects that interfere with the operation of closures in fire separation is corrected

Important:

- Where fire separations between major occupancies, fire walls, rooms, corridors, shafts and other spaces or closures are damaged, and affect their fire resistance rating, the damage is to be repaired to restore the integrity of the fire separation wall or closure.
- correct defects that interfere with the operation of closures in fire separations
- retain records of all tests and corrective measures for 2 years

Portable Fire Extinguishers:

1. Monthly Inspection: SG

- Nozzle for operation and obstructions
- If seal or tamper indicators are in place
- If pressure gauge reads correctly (green)
- Any physical or mechanical damage
- Instructions for use on nameplate are legible and face outward

Important:

- to be easily visible
- to be readily accessible
- is set on hanger, shelf or bracket
- is installed to that the top of the extinguisher is not more than:
    - 1.1m (4') above the floor where the gross weight of the extinguisher is greater that 18kg. (40 lbs.)
    - or 1.5m (5') above the floor, where the weight is 18kg. (40lbs) or less
- has an inspection tag attached, showing maintenance or recharge dates, servicing agency and signature of person performing the service
- extinguisher shells, cartridges or cylinders that rupture or show leakage or permanent distortion, in excess of specified limits, are removed from service
- permanent record of inspections and maintenance is retained for 2 years
- defective extinguishers are repaired, replaced or recharged as necessary
- maintain in accordance with recommendations of manufacturers
- after use, replace and recharge according to instructions on nameplate
- subject to hydrostatic testing as indicated on the nameplate
- label on extinguisher to indicate the month and year of hydrostatic testing, pressures and signature of tester
- Reference NFPA 10 "Portable Extinguishers"

2. Annual Inspection:

Subject to maintenance

- Carbon dioxide and water types: hydrostatic testing every 5 years
- Stored pressure-type: change dry powder every 6 years
- Dry chemical and vaporizing liquid-type: hydrostatic testing every 12 years

3. Semi-Annual Inspection

- Inspection and repair of Ansul R-102 Fire Suppression System in Kitchen.
- Inspection and repair to be carried out by Simplex Grinnell.
- All work and inspections to be documented and recorded.

Heating, Ventilation and Air Conditioning Systems:

1. Weekly Check: ES

- And clean filters and ducts that accumulate combustible deposits
- And Clean lint traps in laundry equipment

(as required)

2. Annual Inspection:

- and clean of every chimney, flue, and flue pipe of accumulated combustible deposits
- disconnect switches for mechanical air conditioning and ventilation systems to ensure the system is integrated appropriately with the fire alarm system

Important:

- Remove, repair or replace every defective heating appliance
- Close every flue-pipe hole with a tight-fitting non-combustible cover, compatible to the chimney flue construction when flue pipes are removed
- Maintain flue pipes and breaching in safe operating condition
- Use ventilation shafts only for ventilation purposes
- Shut down the system before working on ducts using heat-producing devices for cutting, welding or soldering and ensure combustible deposits, lining and covering material has been removed first
- Retain record of inspections, tests and maintenance for 2 years

Automatic Sprinkler System

1. Weekly Inspection: ES

- The system to ensure it is maintained at proper pressure (125 psi)
- All water control supply valves are in the “open” position

2. Monthly Test:

- Of all alarms on all sprinkler systems – using the “alarm test connection”
- (or an inspector – approved alternative)

3. Every 2 Months Test

- All transmitters and water-flow activated devices on all electrical supervisory signal services for the supervised flow valves

4. Every 6 Months Test: SG

- Gate valve supervisory tamper, flow switches and other sprinkler and fire protection system supervisory devices

5. **Annual Inspection: SG**
   - All sprinkler heads for damage, corrosion, grease, dust or paint – replace as necessary
   - Sprinkler heads in good condition
   - Remove plugs and caps on fire department connection and check threads for wear, rust or obstructions. Plugs or caps are to be wrench –tight secured
   - That all fire department connections are properly marked

6. **Annual Test: SG**
   - Wet sprinkler system using "inspector's test" connection (most hydraulically remote)
   - Water pressure by fully opening the main drain valve. Conducted only after Section 5 is completed.

Important
- In event of fire, ensure control valves are NOT closed until fire is extinguished or considered under control per Oshawa Fire Services
- Sprinkler heads are to be clear of obstructions
- Sprinkler pipe is not to be used to support anything
- Auxiliary drains are inspected during cold weather to prevent freezing. Flush piping system if necessary
- Spare sprinkler heads and sprinkler wrenches are on hand eg. 6 spares for 300 heads
- Repairs and replacement alternations are in accordance with NEPA 1`21980 "Sprinkler Systems"
- Retain record of inspections, tests and maintenance for 2 years
- Reference: NFPA 13 "Sprinkler Systems"
- Notify Oshawa Fire Services and Fire Monitoring Company prior to conducting tests.

Water Supplies for Firefighting:

1. **Daily Check:**
   - Main shut-off room temperature during freezing weather

2. **Weekly Inspect:**
   - Valves controlling fire protection water supply

3. **Annually Inspect:**
   - Annual inspection of backflow preventers.

Means of Egress:

1. **Monthly Inspect**:
   - All doors in fire separations
2. **As Required**:
   - Check doors that all fire separations doors are closed
   - Ensure exit signs are clear and legible

- Ensure exit light are illuminated and in good repair
- Keep corridors free of obstructions

Oshawa Fire Services Access:

1. **As Required:**
   - Keep streets, yards, and private roadways and fire routes clear for fire vehicles atall times.

Hillsdale Contractor's List

Type Of Repair	Company	Telephone
Fire Department	Oshawa Fire Services	905-433-1234
Fire Monitoring Company	Chubb	1-800-563-3840
Fire Alarm	SimplexGrinnell	905-212-4609
Bedpan Flushers	Stevens Inc.	1-800-268-0184
Laundry Services	K-Bro linen System	1-866-232-0225
Snow Removal	RTJ Property Services Inc.	905-442-4321
Plumbing and Gas	Brent's Plumbing Weekend & Evening pager	905-261-0419 905-434-3435
Pest Control	Orkin PCO Services Corporation	1-416-754-8168
Electrical	SJS Control Tech Inc.	905-571-6667
Emergency Generator	Works Dept. (Barry Pretty)	905-260-1845
Boilers	Honeywell	1-877-487-6720
Laundry Equipment	Harco	1-800-387-9503
Elevator - Service Elevators – 2 passenger	Delta Elevator Co. Ltd.	1-800-265-6348
Chemicals(kitchen/laundry	Ecolab	1-800-352-5326
Locksmith	Gord's Lock and Key	905-725-5296
Kitchen Equipment	R.G. Henderson	1-800-268-6316
Hobart Equipment (kitchen)	Hobart	905-709-8270
Tubs	Shoppers Home Health Care	1-866-841-1536
Ceiling/Mobile lifts	Shoppers Home Health Care	1-866-841-1536
Food Carts – Multigen 3	Burlodge Canada	1-888-609-5552 Ext. 290

SECTION 8: ALTERNATIVE SAFETY MEASURES

Refer to Contractor's List of Phone Numbers

Fire Alarm or Sprinkler Shutdown:

All staff, Fire Monitoring Company and Oshawa Fire Services are to be notified if a shutdown occurs.

Manager Environmental Services (or designate):

1. notify Oshawa Fire Services 905-433-1234
2. notify Fire Monitoring Company 1-800-387-0771
3. notify staff and Residents by telephone paging, posters and word-of- mouth
4. advise staff of the location, extent and duration of shut-down
5. instruct staff to phone 911 and Fire Monitoring Company in the event of a fire-related emergency
6. coordinate a FIRE WATCH i.e., monitoring of building for fire and safety hazards, whenpart or all of the system(s) is shut down
7. notify all staff, Oshawa Fire Services and Fire Monitoring Company when the system is operational

Individual Zone Impairment:

(often occurs to enable repair work to be accomplished without activated the fire alarm by mechanical maintenance staff or outside contractor e.g. when welding a pipe or changing a smokedetector)

Follow above procedures

Temporary Blockage of Fire Department Access Routes or Building Exits:

Notify and advise the following of the location, duration and nature of the blockage:

1. Oshawa Fire Services
2. Fire Monitoring Company
3. All Staff

Fire Extinguisher and Fixed Extinguishant Systems requiring Service:

1. Immediately Contact Simplex Grinnell 905-212-4636 to service and if necessary, shut down and repair the fixed system and replace the extinguisher.
2. A temporary extinguisher may be placed in the location

Elevator:

1. Notify Staff and Residents
2. The elevator is returned to the main floor, doors opened and people removed.
3. They will be kept on the main floor until the emergency is over.
4. **Contact Thyssen Elevator for repair service:**

HILLSDALE TERRACES - 600 OSHAWA BLVD. NORTH

FIRE WATCH
DAY SHIFT (7:00am – 3:00pm)

Date: _____
Specific Location: _____

Check for smoke, fire and potential hazards; check fire equipment-smoke detectors, extinguishers, hose cabinets - intact and accessible; check that doors and stairwells are not blocked.

Time	Nothing unusual Detected Initial	Room number and concern identified	Comments	Name of Supervisor Notified	Initials
7:00am					
7:15am					
7:30am					
7:45am					
8:00am					
8:15am					
8:30am					
8:45am					
9:00am					
9:15am					
9:30am					
9:45am					
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12:45pm					
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1:15pm					
1:30pm					
1:45pm					
2:00pm					
2:15pm					
2:30pm					
2:45pm					
3:00pm					

Initials: _____ **Signature:** _____
Initials: _____ **Signature:** _____
Initials: _____ **Signature:** _____ **Feb./06**

FIRE WATCH - AFTERNOON SHIFT (3:00PM – 11:00PM)

Date:_____

Specific Location:_____

Check for smoke, fire and potential hazards; check fire equipment-smoke detectors, extinguishers, hose cabinets – intact and accessible; check that doors and stairwells are not blocked.

Time	Nothing unusual detected Initial	Rm number and concern identified	Comments	Name of supervisor Notified	Initials
3:00pm					
3:15pm					
3:30pm					
3:45pm					
4:00pm					
4:15pm					
4:30pm					
4:45pm					
5:00pm					
5:15pm					
5:30pm					
5:45pm					
6:00pm					
6:15pm					
6:30pm					
6:45pm					
7:00pm					
7:15pm					
7:30pm					
7:45pm					
8:00pm					
12:15pm					
12:30pm					
12:45pm					
1:00pm					
1:15pm					
1:30pm					
1:45pm					
2:00pm					
2:15pm					
2:30pm					
2:45pm					
3:00pm					

Initials:_____ **Signature:**_____

Initials:_____ **Signature:**_____

HILLSDALE **TERRACES – 600 OSHAWA BLVD. NORTH**
FIRE WATCH
NIGHT SHIFT (11:00pm – 7:00am)

Date:_____
Specific Location:_____

Check for smoke, fire and potential hazards; check fire equipment - smoke detectors, extinguishers, hose cabinets - intact and accessible; check that doors and stairwells are not blocked.

Time	Nothing unusual Detected Initial	Room number and concern identified	Comments	Name of Supervisor Notified	Initials
11:00pm					
11:15pm					
11:30pm					
11:45pm					
12:00					
12:15am					
12:30am					
12:45am					
1:00am					
1:15am					
1:30am					
1:45am					
2:00am					
2:15am					
2:30am					
2:45am					
3:00am					
3:15am					
3:30am					
3:45am					
4:00am					
4:15am					
4:30am					
4:45am					
5:00am					
5:15am					
5:30am					
5:45am					
6:00am					
6:15am					
6:30am					
6:45am					
7:00am					

Initials:_____ **Signature:**_____
Initials:_____ **Signature:**_____
Initials: _____ **Signature:** _____ **Feb./06**

SECTION 9: NON-AMBULATORY RESIDENTS

Per House:
Approximately 20 / 25 Residents per house are non-ambulatory.

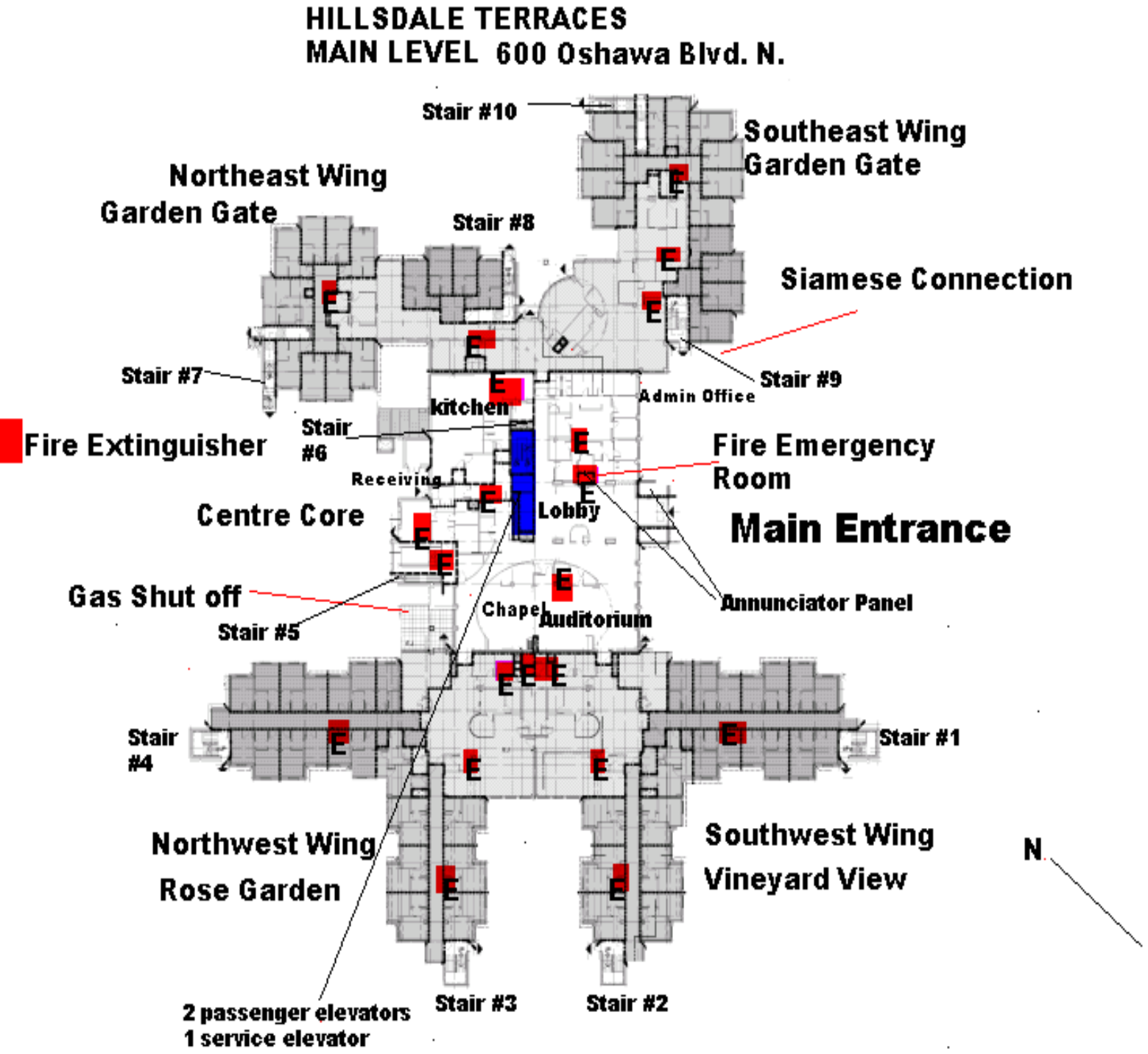
Per Hillsdale Terraces:

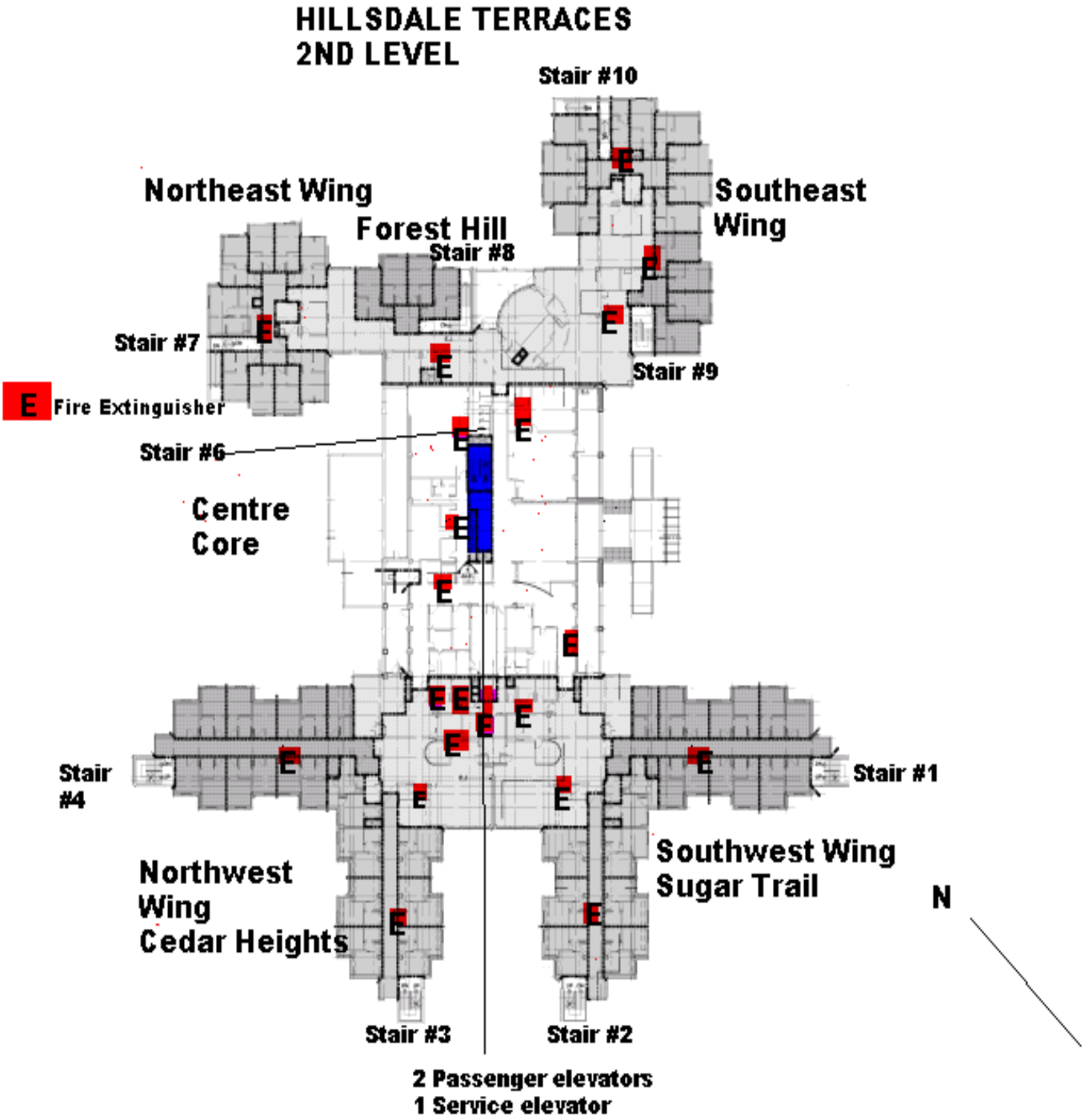
As of February 2, 2016 approximately 105 of the total 200 Residents are non-ambulatory.

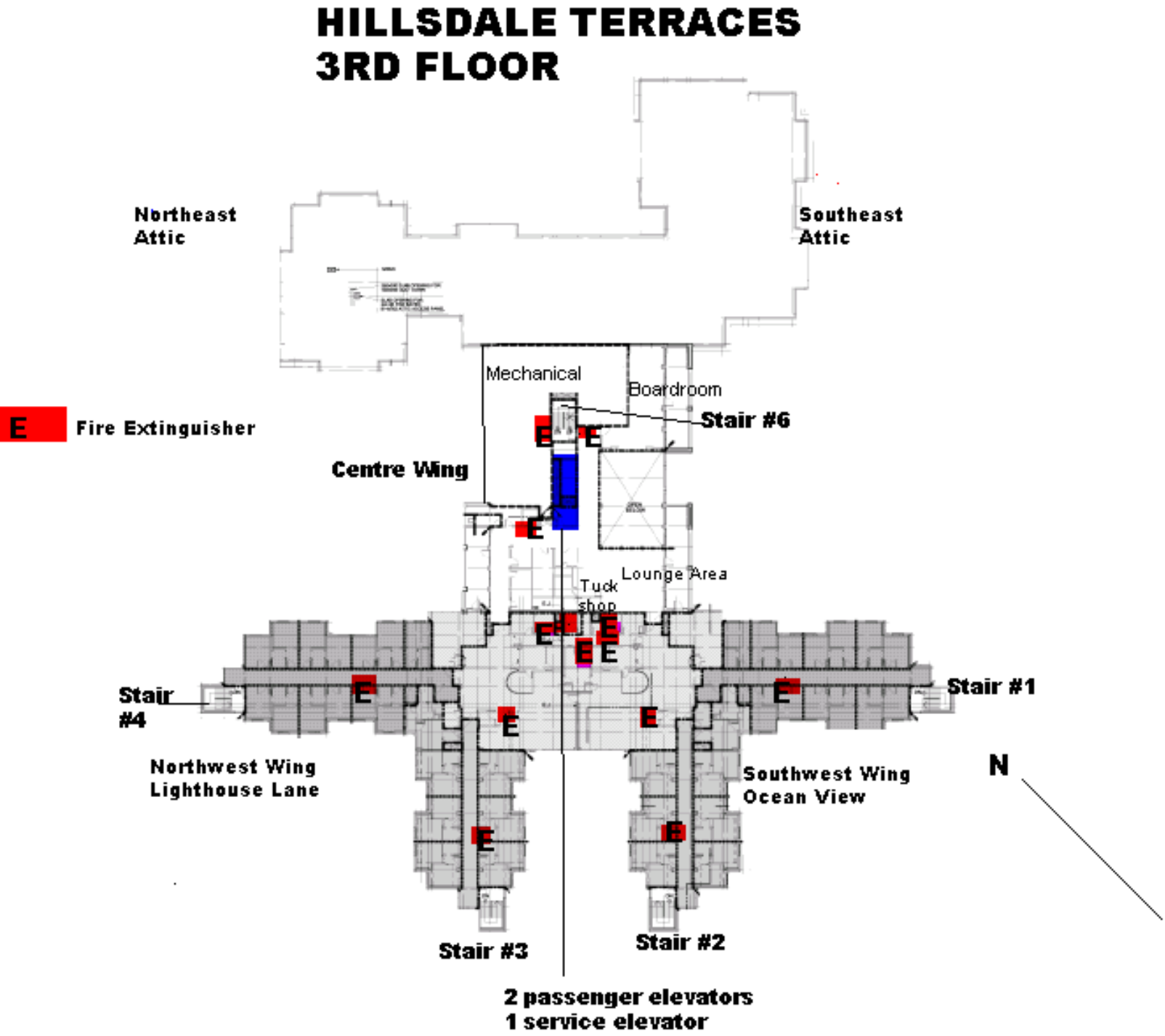
SECTION 10: SCHEMATICS

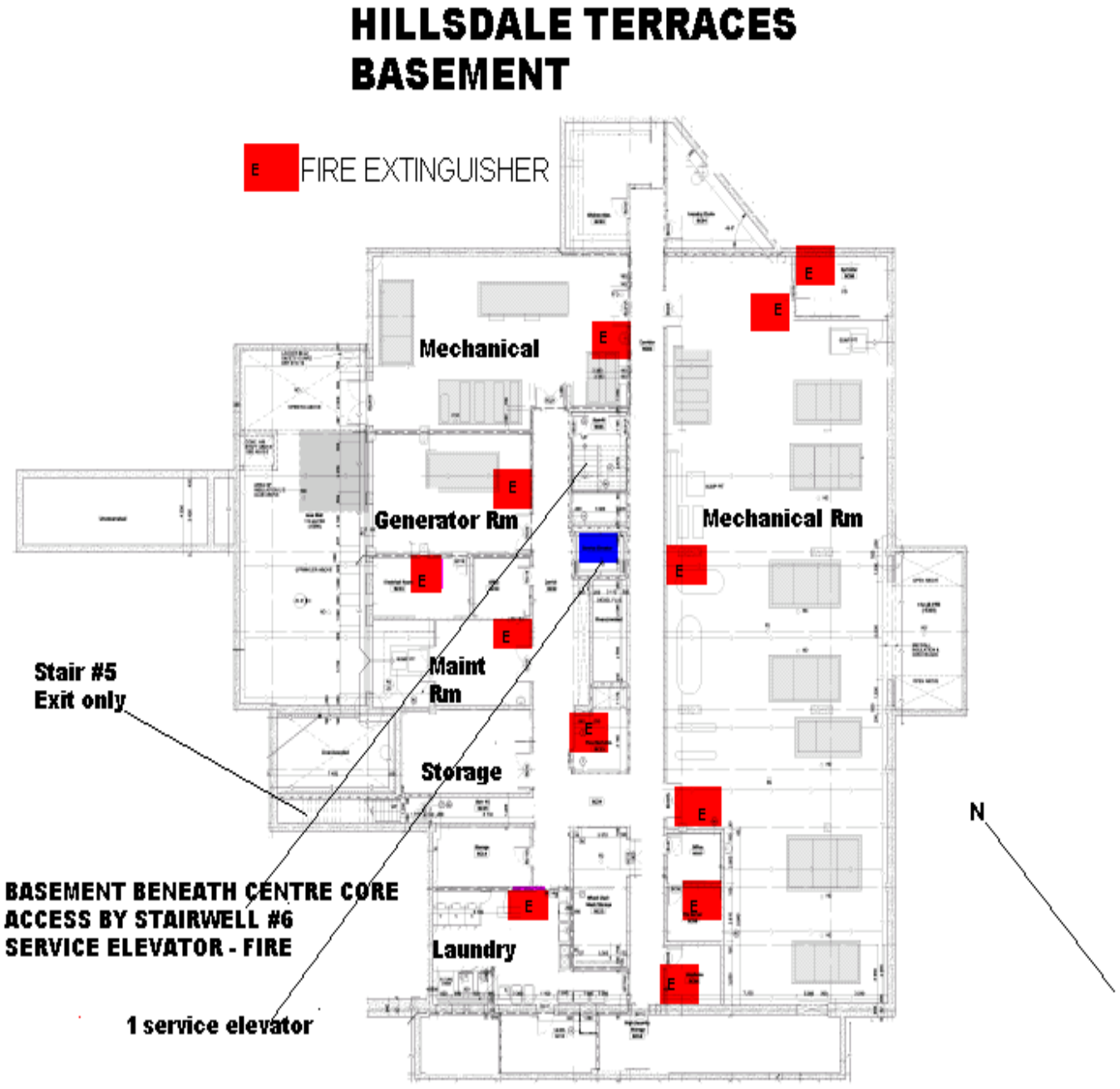
The following are shown on the attached schematics:

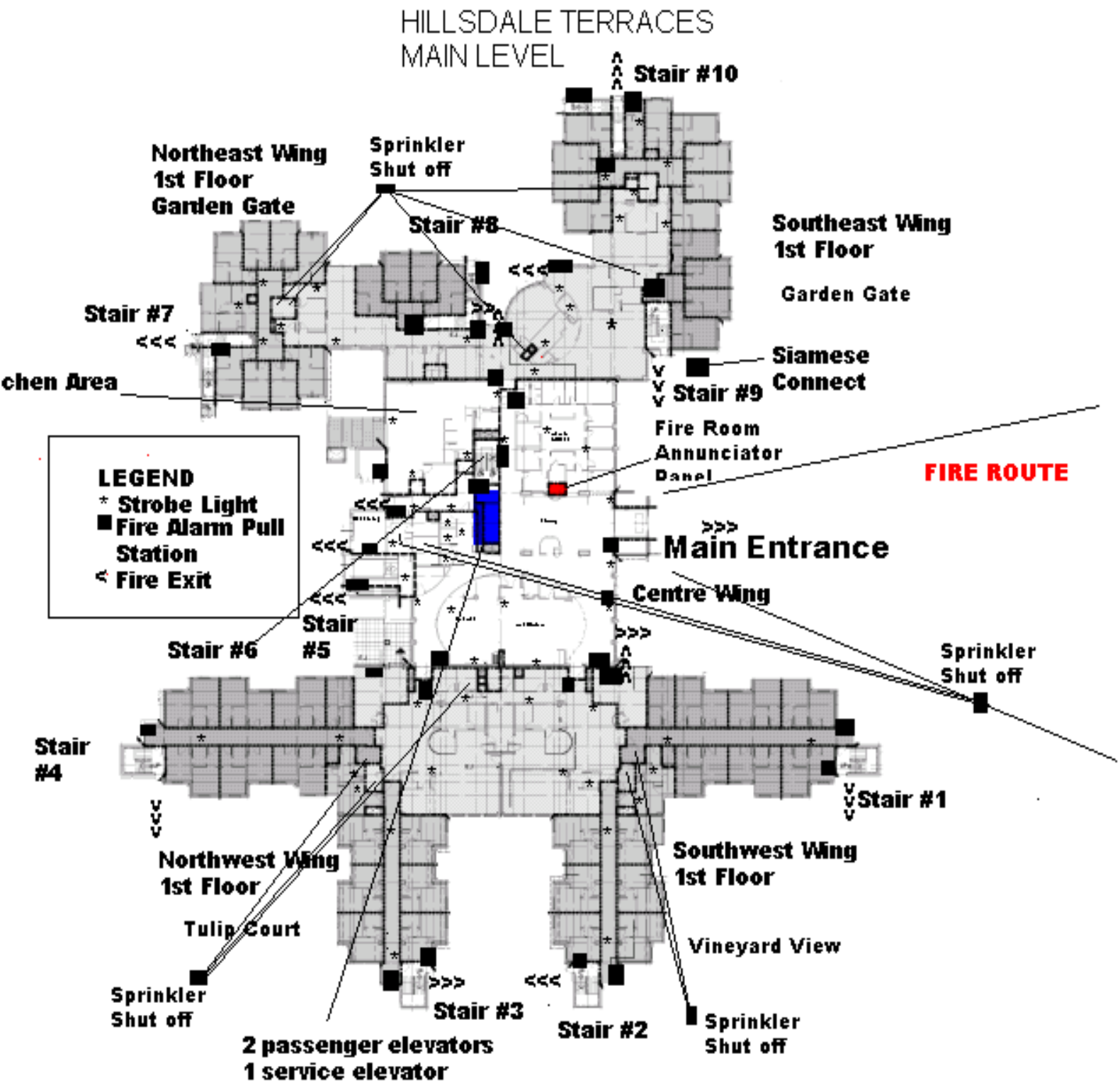
1. fire alarm panel…page 51
2. sprinkler shut-off valves…pages 55,56,57,58
3. fire department Siamese connections…page 55
4. boiler room…page 57
5. electrical panels…page 61-89
6. compactor…page 51
7. all exits
8. gas shut-offs (interior and exterior)…page 51 & 57
9. pull stations
10. Strobe lights
11. fire extinguishers

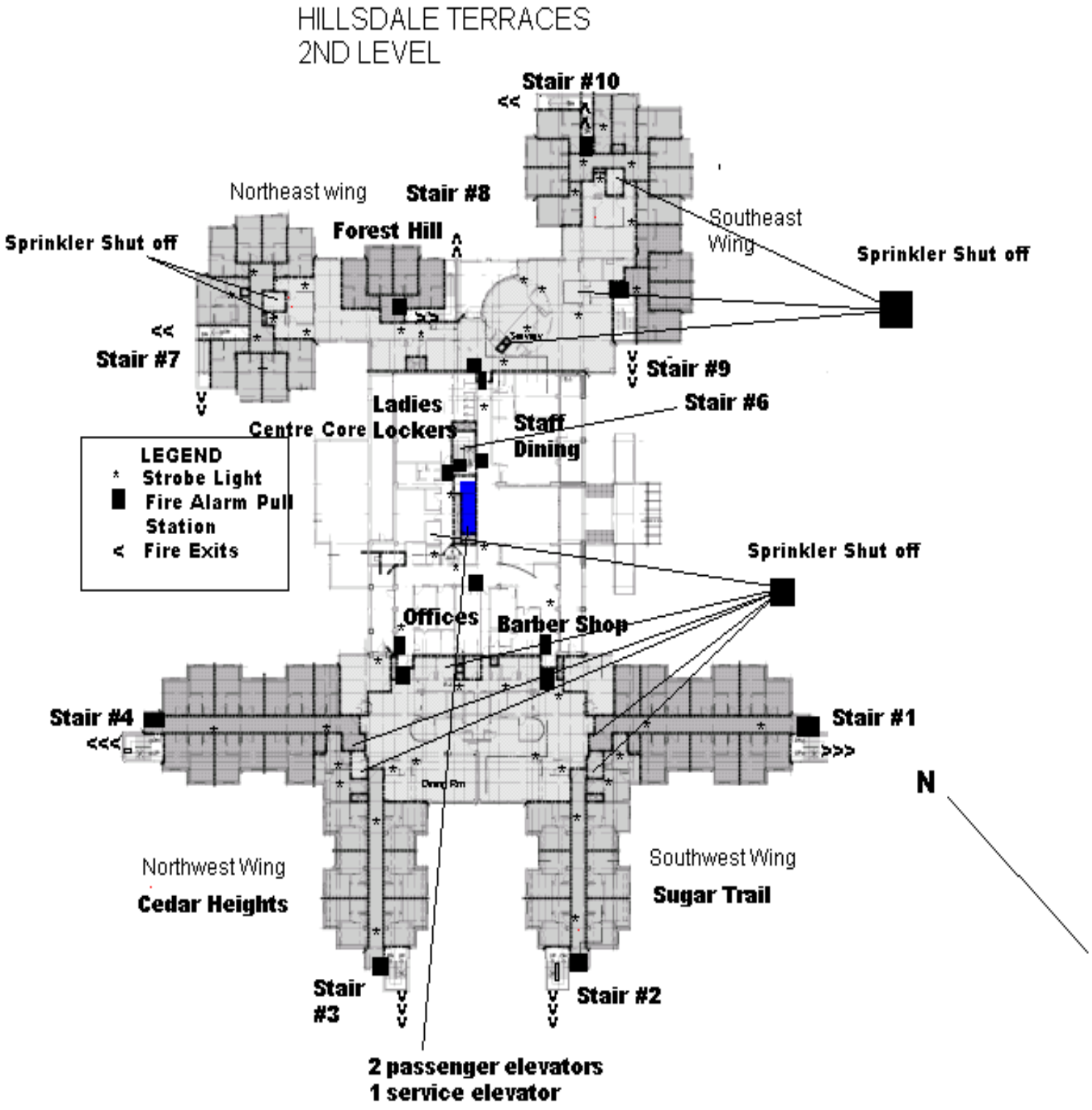

HILLSDALE TERRACES
MAIN LEVEL 600 Oshawa Blvd. N.
Stair #10
Southeast Wing
Garden Gate
Northeast Wing
Garden Gate
Stair #8
Siamese Connection
Stair #7
Stair #9
Admin Office
kitchen
Stair
#6
Fire Extinguisher
Fire Emergency
Room
Receiving
Lobby
Centre Core
Main Entrance
Gas Shut off
Annunciator Panel
Stair #5
Chapel
Auditorium
Stair
#4
Stair #1
Northwest Wing
Rose Garden
Southwest Wing
Vineyard View
N
2 passenger elevators
1 service elevator
Stair #3
Stair #2

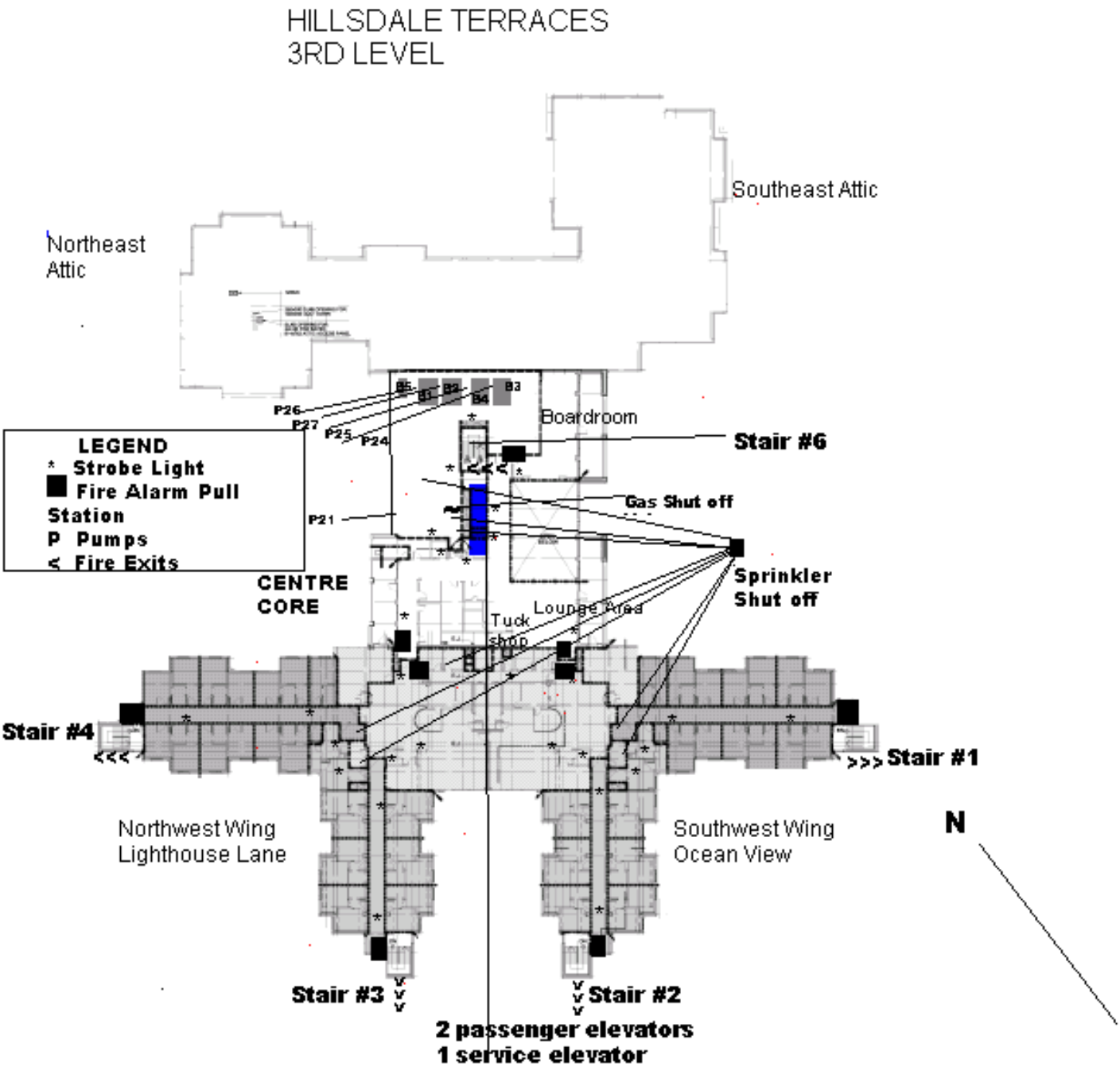

HILLSDALE TERRACES
2ND LEVEL
Stair #10
Northeast Wing
Forest Hill
Southeast Wing
Stair #8
Stair #7
Stair #9
E Fire Extinguisher
Stair #6
Centre Core
Stair #4
Stair #1
Northwest Wing Cedar Heights
Southwest Wing Sugar Trail
N
Stair #3
Stair #2
2 Passenger elevators
1 Service elevator

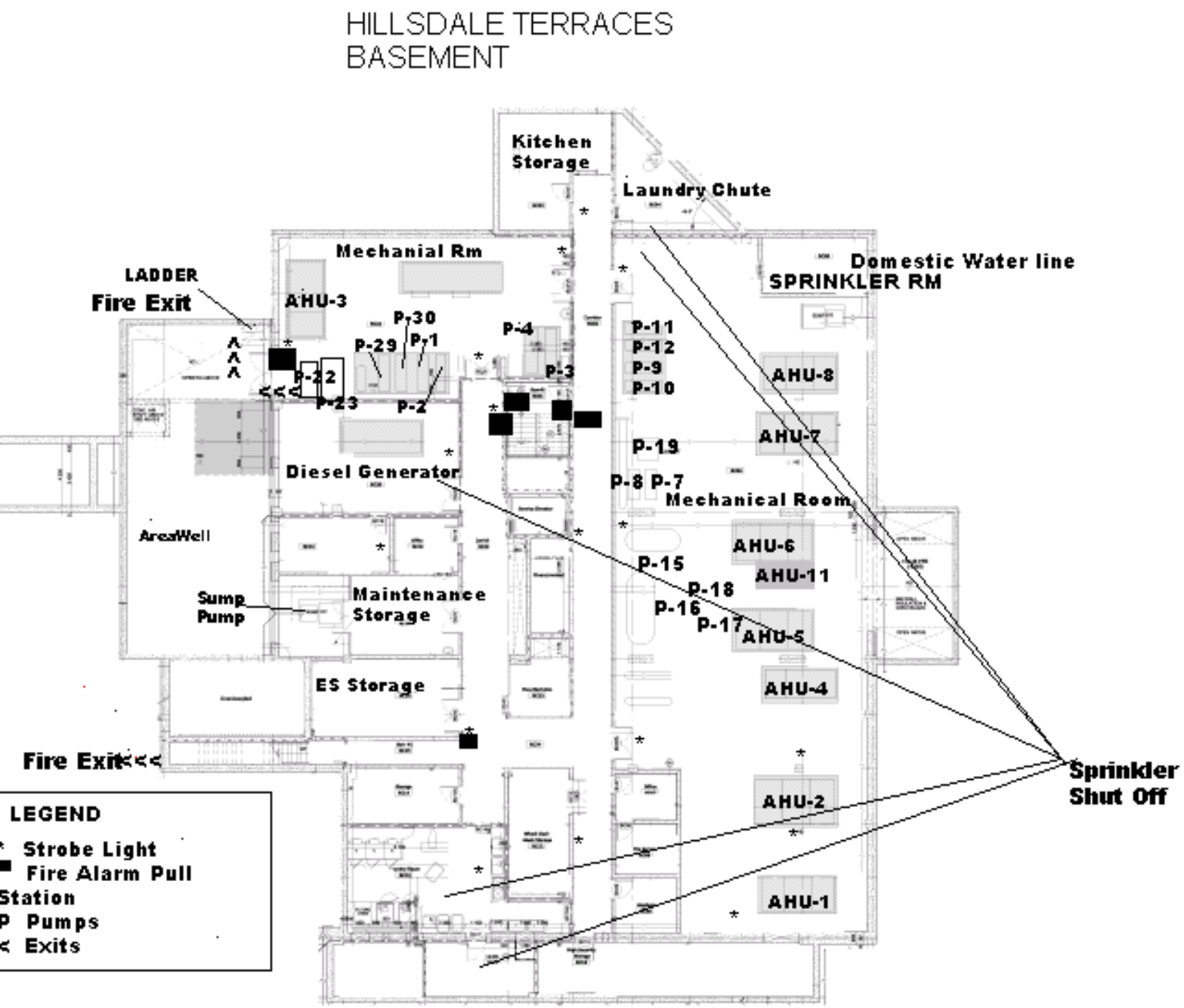

HILLSDALE TERRACES
3RD FLOOR
Northeast Attic
Southeast Attic
Mechanical
Boardroom
Stair #6
E Fire Extinguisher
Centre Wing
Lounge Area
Tuck shop
Stair #4
Stair #1
Northwest Wing
Lighthouse Lane
Southwest Wing
Ocean View
N
Stair #3
Stair #2
2 passenger elevators
1 service elevator


HILLSDALE TERRACES
BASEMENT
E FIRE EXTINGUISHER
Mechanical
Generator Rm
Mechanical Rm
Maint Rm
Storage
Laundry
Stair #5
Exit only
BASEMENT BENEATH CENTRE CORE
ACCESS BY STAIRWELL #6
SERVICE ELEVATOR - FIRE
1 service elevator
N


HILLSDALE TERRACES
MAIN LEVEL
Stair #10
Northeast Wing
1st Floor
Garden Gate
Sprinkler
Shut off
Stair #8
Southeast Wing
1st Floor
Garden Gate
Stair #7
Siamese
Connect
chen Area
Stair #9
Fire Room
Annunciator
Panel
FIRE ROUTE
LEGEND
* Strobe Light
Fire Alarm Pull
Station
Fire Exit
Main Entrance
Centre Wing
Stair
#5
Stair #6
Sprinkler
Shut off
Stair
#4
Stair #1
Northwest Wing
1st Floor
Southwest Wing
1st Floor
Tulip Court
Vineyard View
Sprinkler
Shut off
Stair #3
Stair #2
Sprinkler
Shut off
2 passenger elevators
1 service elevator

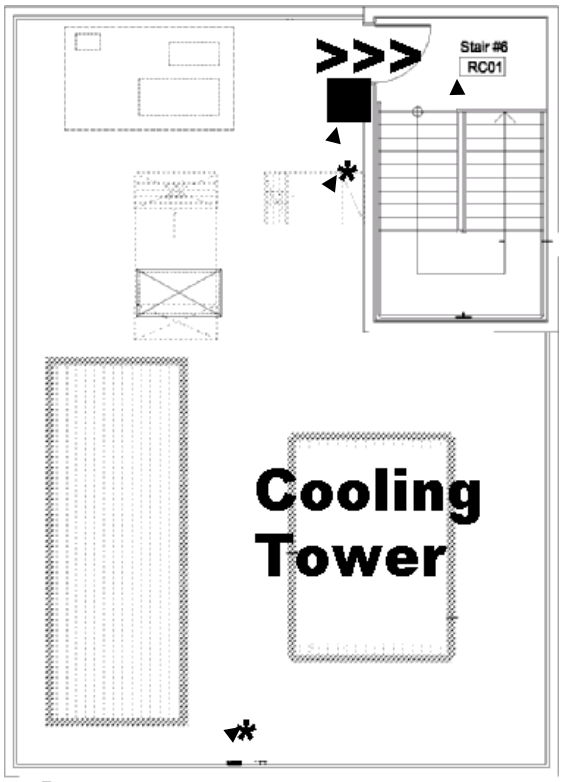

HILLSDALE TERRACES
2ND LEVEL
Stair #10
Northeast wing
Stair #8
Forest Hill
Southeast Wing
Sprinkler Shut off
Sprinkler Shut off
Stair #7
Stair #9
Stair #6
Ladies Lockers
Centre Core
Staff Dining
LEGEND
Strobe Light
Fire Alarm Pull Station
Fire Exits
Sprinkler Shut off
Offices
Barber Shop
Stair #4
Stair #1
N
Northwest Wing
Cedar Heights
Southwest Wing
Sugar Trail
Stair #3
Stair #2
2 passenger elevators
1 service elevator


HILLSDALE TERRACES
3RD LEVEL
Southeast Attic
Northeast Attic
B5
B1
B2
B4
B3
P26
P27
P25
P24
Boardroom
Stair #6
LEGEND
* Strobe Light
Fire Alarm Pull Station
P Pumps
< Fire Exits
P21
Gas Shut off
Sprinkler Shut off
CENTRE CORE
Tuck shop
Lounge Area
Stair #4
Stair #1
Northwest Wing
Lighthouse Lane
Southwest Wing
Ocean View
N
Stair #3
Stair #2
2 passenger elevators
1 service elevator


HILLSDALE TERRACES
BASEMENT
Kitchen Storage
Laundry Chute
Mechanial Rm
Domestic Water line
SPRINKLER RM
LADDER
Fire Exit
AHU-3
P-30
P-29
P-1
P-4
P-11
P-12
P-9
P-10
P-22
P-23
P-2
P-3
AHU-8
AHU-7
P-19
Diesel Generator
P-8 P-7
Mechanical Room
AreaWell
AHU-6
P-15
AHU-11
P-18
P-16
P-17
AHU-5
Sump Pump
Maintenance Storage
ES Storage
AHU-4
Fire Exit
Sprinkler Shut Off
AHU-2
AHU-1
LEGEND
Strobe Light
Fire Alarm Pull Station
Pumps
Exits

HILLSDALE TERRACES

PENTHOUSE



N

Strobe Light **Fire Pull Station** **Stair #6**

APPENDICES

HILLSDALE TERRACES
ELECTRICAL PANEL LOCATIONS

Electrical Room Locations

PANEL 'LP–BA'
120Y/208V, 3ø, 4W

TYPE: NBLP
MAINS: 100 AMPS
MOUNTING: SURFACE

LOCATION: HOUSE KEEPING STORAGE BC16

LOAD	DESCRIPTION	BREAKER	CIRCUITS		BREAKER	DESCRIPTION	LOAD
1470	LIGHTING	20A	1	2	15A	RECEPTACLES	400
1130	LIGHTING	20A	3	4	15A	RECEPTACLES	600
800	LIGHTING	15A	5	6	15A	RECEPTACLES	300
	SPACE		7	8	15A	RECEPTACLES	600
	SPACE		9	10	15A	RECEPTACLES	300
	SPACE		11	12	15A	RECEPTACLES	300
	SPACE		13	14	15A	RECEPTACLES	300
	SPACE		15	16	15A	RECEPTACLES	300
	SPACE		17	18	15A	RECEPTACLES	300
	SPACE		19	20	15A	RECEPTACLES	600
	SPACE		21	22	15A	RECEPTACLES	400
	SPACE		23	24	15A	RECEPTACLES	1000
	SPACE		25	26	15A	RECEPTACLES	1000
	SPACE		27	28	15A	RECEPTACLES	1000
	SPACE		29	30	15A	RECEPTACLES	300
	SPACE		31	32	15A	SPARE	
	SPACE		33	34	15A	SPARE	
	SPACE		35	36	15A	SPARE	
	SPACE		37	38	15A	SPARE	
	SPACE		39	40	15A	SPARE	
	SPACE		41	42	15A	SPARE	

TOTAL CONNECTED LOAD: 10 KVA

PANEL 'LP–BB'
120Y/208V, 3ø, 4W

TYPE: NBLP
MAINS: 100 AMPS
MOUNTING: SURFACE

LOCATION: LAUNDRY ROOM BC13

LOAD	DESCRIPTION	BREAKER	CIRCUITS		BREAKER	DESCRIPTION	LOAD
580	LIGHTING	15A	1	2	15A	EF–5	1100
	SPACE		3	4	15A	EF–6	1100
	SPACE		5	6	15A	RECEPTACLE	400
	SPACE		7	8	15A	GFI RECEPTACLE	600
	SPACE		9	10	15A	GFI RECEPTACLE	600
	SPACE		11	12	15A	WASHER	3600
	SPACE		13	14			
	SPACE		15	16	3P		
	SPACE		17	18	15A	WASHER	3600
	SPACE		19	20			
	SPACE		21	22	3P		
	SPACE		23	24	15A	WASHER	840
	SPARE	15A	25	26	15A	DRYER	750
	SPARE	15A	27	28	15A	DRYER	750
	SPARE	15A	29	30	15A	CHEMICAL FEED	750
	SPARE	15A	31	32	15A	SPARE	
	SPARE	15A	33	34	15A	SPARE	
	SPARE	15A	35	36	15A	SPARE	
	SPARE	15A	37	38	15A	PRESS	1600
6000	PRESS	40A	39	40	2P		
		2P	41	42	15A	SPARE	

TOTAL CONNECTED LOAD: 27.77 KVA

PANEL 'LP–BC' 120Y/208V, 3ø, 4W		TYPE: NBLP MAINS: 100 AMPS MOUNTING: SURFACE				LOCATION: MECHANICAL ROOM BC06	
LOAD	DESCRIPTION	BREAKER	CIRCUITS		BREAKER	DESCRIPTION	LOAD
1700	LIGHTING	20A	1	2	15A	RECEPTACLE	400
1050	LIGHTING	20A	3	4	15A	RECEPTACLE	500
600	TIMER + LIGHTING	15A	5	6	15A	IRREGATION PANEL	500
950	EXTERIOR LIGHTING	20A	7	8	15A	AIR DRYER	600
950	EXTERIOR LIGHTING	20A	9	10	15A	SPARE	
300	EXTERIOR LIGHTING	15A	11	12	15A	SPARE	
2500	WATER FEATURE PUMP	15A	13	14	15A	SPARE	
			15	16	15A	SPARE	
		3P	17	18	15A	SPARE	
800	WATER FEATURE LIGHT	15A	19	20	15A	SPARE	
300	WATER FEATURE CONTROLLER	15A	21	22	15A	SPARE	
	SPACE		23	24	15A	SPARE	
	SPACE		25	26	15A	SPARE	
	SPACE		27	28	15A	SPARE	
	SPACE		29	30	15A	SPARE	
TOTAL CONNECTED LOAD: 10 KVA							

PANEL 'LP–BD' 120Y/208V, 3ø, 4W		TYPE: NBLP MAINS: 100 AMPS MOUNTING: SURFACE				LOCATION: MECHANICAL ROOM BC21	
LOAD	DESCRIPTION	BREAKER	CIRCUITS		BREAKER	DESCRIPTION	LOAD
1240	LIGHTING	15A	1	2	20A	ENSIN HEATER	1000
	SPACE		3	4	20A	CONDENSATE HEATER	1000
	SPACE		5	6	15A	RECEPTACLE	300
	SPACE		7	8	15A	RECEPTACLE	300
	SPACE		9	10	15A	WATER TREATMENT	1100
	SPACE		11	12	15A	REFRIGERATE ALARM PANEL	400
	SPACE		13	14	15A	CHILLER PANEL	300
	SPACE		15	16	15A	SPARE	
	SPACE		17	18	15A	SPARE	
	SPACE		19	20	15A	SPARE	
	SPACE		21	22	15A	SPARE	
	SPACE		23	24	15A	SPARE	
TOTAL CONNECTED LOAD: 4.15 KVA							

PANEL 'LP–1H1' 120Y/208V, 3ø, 4W		TYPE: NBLP MAINS: 100 AMPS MOUNTING: FLUSH				LOCATION: HOUSE KEEPING IN43	
LOAD	DESCRIPTION	BREAKER	CIRCUITS		BREAKER	DESCRIPTION	LOAD
1320	RESIDENT LIGHTING	15A	1	2	15A	BED RECEPTACLE	400
1320	RESIDENT LIGHTING	15A	3	4	15A	GFI RECEPTACLE	300
1320	RESIDENT LIGHTING	15A	5	6	15A	RECEPTACLE	600
1000	LIGHTING	15A	7	8	15A	RECEPTACLE	600
1000	LIGHTING	15A	9	10	15A	RECEPTACLE	600
1220	RESIDENT LIGHTING	15A	11	12	15A	RECEPTACLE	600
1220	RESIDENT LIGHTING	15A	13	14	15A	BED RECEPTACLE	400
1220	RESIDENT LIGHTING	15A	15	16	15A	BED RECEPTACLE	400
400	RESIDENT LIGHTING	15A	17	18	15A	GFI RECEPTACLE	300
	SPARE	15A	19	20	15A	RECEPTACLE	600
	SPARE	15A	21	22	15A	RECEPTACLE	600
	SPARE	15A	23	24	15A	RECEPTACLE	600
	SPARE	15A	25	26	15A	RECEPTACLE	600
	SPARE	15A	27	28	15A	GFI RECEPTACLE	200
	SPARE	15A	29	30	15A	BED RECEPTACLE	400
	SPARE	15A	31	32	15A	GFI RECEPTACLE	300
	SPARE	15A	33	34	15A	RECEPTACLE	600
	SPACE		35	36	15A	RECEPTACLE	600
	SPACE		37	38	15A	RECEPTACLE	600
	SPACE		39	40	15A	RECEPTACLE	600
	SPACE		41	42	15A	BED RECEPTACLE	400
	SPACE		43	44	15A	RECEPTACLE	400
	SPACE		45	46	15A	RECEPTACLE	500
	SPACE		47	48	15A	RECEPTACLE	300
200	RECEPTACLE	15A	49	50	15A	RECEPTACLE	300
5200	STERILIZED	15A	51	52	15A	RECEPTACLE	800
			53	54	15A	RECEPTACLE	800
		3P	55	56	15A	BED RECEPTACLE	600
300	GFI RECEPTACLE	15A	57	58	15A	RECEPTACLE	800
400	GFI RECEPTACLE	15A	59	60	15A	RECEPTACLE	400

TOTAL CONNECTED LOAD: 31.32 KVA

TYPICAL FOR PANEL LP–2H1 LOCATED IN HOUSE KEEPING 2W43
TYPICAL FOR PANEL LP–3H1 LOCATED IN HOUSE KEEPING 3W43

PANEL 'LP–1H2' 120Y/208V, 3φ, 4W		TYPE: NBLP MAINS: 100 AMPS MOUNTING: FLUSH				LOCATION: HOUSE KEEPING 1W12	
LOAD	DESCRIPTION	BREAKER	CIRCUITS		BREAKER	DESCRIPTION	LOAD
1320	RESIDENT LIGHTING	15A	1	2	15A	BED RECEPTACLE	400
1320	RESIDENT LIGHTING	15A	3	4	15A	GFI RECEPTACLE	300
1320	RESIDENT LIGHTING	15A	5	6	15A	RECEPTACLE	600
1000	LIGHTING	15A	7	8	15A	RECEPTACLE	600
1000	LIGHTING	15A	9	10	15A	RECEPTACLE	600
1220	RESIDENT LIGHTING	15A	11	12	15A	RECEPTACLE	600
1220	RESIDENT LIGHTING	15A	13	14	15A	BED RECEPTACLE	400
1220	RESIDENT LIGHTING	15A	15	16	15A	BED RECEPTACLE	400
400	RESIDENT LIGHTING	15A	17	18	15A	GFI RECEPTACLE	300
	SPARE	15A	19	20	15A	RECEPTACLE	600
	SPARE	15A	21	22	15A	RECEPTACLE	600
	SPARE	15A	23	24	15A	RECEPTACLE	600
	SPARE	15A	25	26	15A	RECEPTACLE	600
	SPARE	15A	27	28	15A	GFI RECEPTACLE	200
	SPARE	15A	29	30	15A	BED RECEPTACLE	400
	SPARE	15A	31	32	15A	GFI RECEPTACLE	300
	SPARE	15A	33	34	15A	RECEPTACLE	600
	SPACE		35	36	15A	RECEPTACLE	600
	SPACE		37	38	15A	RECEPTACLE	600
	SPACE		39	40	15A	RECEPTACLE	600
	SPACE		41	42	15A	BED RECEPTACLE	400
	SPACE		43	44	15A	RECEPTACLE	400
	SPACE		45	46	15A	RECEPTACLE	500
	SPACE		47	48	15A	RECEPTACLE	300
200	RECEPTACLE	15A	49	50	15A	RECEPTACLE	300
5200	STERILIZED	15A	51	52	15A	RECEPTACLE	800
			53	54	15A	RECEPTACLE	800
		3P	55	56	15A	BED RECEPTACLE	600
300	GFI RECEPTACLE	15A	57	58	15A	RECEPTACLE	800
400	GFI RECEPTACLE	15A	59	60	15A	RECEPTACLE	400

TOTAL CONNECTED LOAD: 31.32 KVA

TYPICAL FOR PANEL LP–2H2 LOCATED IN HOUSE KEEPING 2W12
TYPICAL FOR PANEL LP–3H2 LOCATED IN HOUSE KEEPING 3W12

PANEL 'LP–1H3' 120Y/208V, 3ø, 4W		TYPE: NBLP MAINS: 225 AMPS MOUNTING: FLUSH			LOCATION: CORRIDOR 1W32	
LOAD	DESCRIPTION	BREAKER	CIRCUITS	BREAKER	DESCRIPTION	LOAD
1200	LIGHTING	15A	1 – 2	15A	GFI RECEPTACLE	600
1800	LIGHTING	20A	3 – 4	15A	RECEPTACLE	600
1200	LIGHTING	15A	5 – 6	15A	DOOR OPERTATOR	800
960	LIGHTING	15A	7 – 8	15A	DOOR OPERTATOR	800
1100	LIGHTING	15A	9 – 10	15A	GFI RECEPTACLE	300
600	LIGHTING	15A	11 – 12	15A	RECEPTACLE	300
700	LIGHTING	15A	13 – 14	15A	RECEPTACLE	300
1200	LIGHTING	15A	15 – 16	15A	IG RECEPTACLE	600
1800	LIGHTING	20A	17 – 18	20A	FIRE PLACE	1300
1200	LIGHTING	15A	19 – 20	30A	HAND DRYER	2000
960	LIGHTING	15A	21 – 22	15A	RECEPTACLE	300
1100	LIGHTING	15A	23 – 24	15A	RECEPTACLE	300
600	LIGHTING	15A	25 – 26	15A	RECEPTACLE	400
440	LIGHTING	15A	27 – 28	15A	IG RECEPTACLE	300
	SPARE	15A	29 – 30	15A	IG RECEPTACLE	600
	SPARE	15A	31 – 32	15A	GFI RECEPTACLE	300
	SPARE	15A	33 – 34	15A	COPIER	1000
	SPARE	15A	35 – 36	15A	FAX	600
	SPARE	15A	37 – 38	15A	RECEPTACLE	400
	SPARE	15A	39 – 40	15A	FAX	600
	SPACE		41 – 42	15A	COPIER	1000
	SPACE		43 – 44	15A	IG RECEPTACLE	600
	SPACE		45 – 46	15A	IG RECEPTACLE	600
	SPACE		47 – 48	15A	RECEPTACLE	300
	SPACE		49 – 50	15A	GFI RECEPTACLE	300
	SPACE		51 – 52	15A	IG RECEPTACLE	600
300	GFI RECEPTACLES	15A	53 – 54	20A	FIRE PLACE	1300
200	ATTIC SPACE RECEPTACLE & LTG.	15A	55 – 56	30A	HAND DRYER	2000
1440	AUTO CLAVE	15A	57 – 58	15A	RECEPTACLE	300
400	RECEPTACLE	15A	59 – 60	15A	RECEPTACLE	300

TOTAL CONNECTED LOAD: 36.9 KVA

TYPICAL FOR PANEL LP–2H3 LOCATED IN CORRIDOR 2W32
TYPICAL FOR PANEL LP–3H3 LOCATED IN CORRIDOR 3W32

PANEL 'LP–1H4' 120Y/208V, 3Φ, 4W		TYPE: NBLP MAINS: 225 AMPS MOUNTING: FLUSH				LOCATION: CORRIDOR 1W32	
LOAD	DESCRIPTION	BREAKER	CIRCUITS		BREAKER	DESCRIPTION	LOAD
1000	MICROWAVE	15A	1	2	15A	RECEPTACLE	300
1000	MICROWAVE	15A	3	4	15A	GREASE INTERCEPTOR	400
800	KETTLE	15A	5	6	15A	IG RECEPTACLE	300
800	KETTLE	15A	7	8	50A	OVEN	7000
2800	TOASTER	15A	9	10	2P		
		2P	11	12	50A	OVEN	7000
1400	HOT WATER DISPENSER	20A	13	14	2P		
1400	COFFEE MACHINE	20A	15	16	15A	EXHAUST HOOD	1200
12000	DISHWASHER	50A	17	18	15A	SPLIT RECEPTACLE	1000
			19	20	2P		
		3P	21	22	15A	SPLIT RECEPTACLE	1000
1000	MICROWAVE	15A	23	24	2P		
2800	TOASTER	15A	25	26	15A	GFI RECEPTACLE	300
		2P	27	28	15A	GFI RECEPTACLE	300
600	ICE MACHINE	15A	29	30	15A	SPARE	
600	ICE MACHINE	15A	31	32	15A	SPARE	
640	SOUP WELL	15A	33	34	15A	SPARE	
		2P	35	36	15A	SPARE	
	SPACE		37	38	15A	SPARE	
	SPACE		39	40	15A	SPARE	
	SPACE		41	42	15A	SPARE	

TOTAL CONNECTED LOAD: 38.8 KVA

TYPICAL FOR PANEL LP–2H4 LOCATED IN CORRIDOR 2W32
TYPICAL FOR PANEL LP–3H4 LOCATED IN CORRIDOR 3W32

PANEL 'LP–1H6' 120Y/208V, 3ø, 4W		TYPE: NBLP MAINS: 225 AMPS MOUNTING: SURFACE				LOCATION: STORAGE 1E26	
LOAD	DESCRIPTION	BREAKER	CIRCUITS	BREAKER	DESCRIPTION	LOAD	
1080	LIGHTING	15A	1 — 2	15A	RECEPTACLE	500	
1020	LIGHTING	15A	3 — 4	15A	GFI RECEPTACLE	600	
1150	LIGHTING	15A	5 — 6	15A	IG RECEPTACLE	600	
1020	LIGHTING	15A	7 — 8	15A	COPIER	1000	
420	LIGHTING	15A	9 — 10	15A	FAX	600	
1200	LIGHTING	15A	11 — 12	15A	DOOR OPERATOR	1000	
970	LIGHTING	15A	13 — 14	15A	DOOR OPERATOR	1000	
	SPARE	15A	15 — 16	15A	GFI RECEPTACLE	500	
	SPARE	15A	17 — 18	15A	RECEPTACLE	500	
	SPARE	15A	19 — 20	15A	IG RECEPTACLE	200	
	SPARE	15A	21 — 22	15A	SPLIT RECEPTACLE	600	
	SPARE	15A	23 — 24	2P			
	SPARE	15A	25 — 26	15A	GFI RECEPTACLE	200	
	SPARE	15A	27 — 28	30A	HAND DRYER	2000	
	SPARE	15A	29 — 30	15A	RECEPTACLE	300	
	SPACE		31 — 32	15A	RECEPTACLE	400	
	SPACE		33 — 34	15A	SPARE	600	
	SPACE		35 — 36	50A	OVEN	7000	
	SPACE		37 — 38	2P			
	SPACE		39 — 40	15A	EXHAUST HOOD		
	SPACE		41 — 42	15A	TOASTER	2800	
	SPACE		43 — 44	2P			
	SPACE		45 — 46	15A	RECEPTACLE	600	
	SPACE		47 — 48	15A	ICE MACHINE	1100	
	SPACE		49 — 50	15A	KETTLE	1000	
540	SOUP WELL	15A	51 — 52	15A	SPARE		
		2P	53 — 54	15A	RECEPTACLE	600	
12000	DISHWASHER	50A	55 — 56	20A	HOT WATER DISPENSER	1200	
			57 — 58	20A	COFFEE MACHINE	1200	
		3P	59 — 60	15A	RECEPTACLE	600	

TOTAL CONNECTED LOAD: 51.96 KVA

TYPICAL FOR PANEL LP–2H6 LOCATED IN STORAGE 2E26

PANEL 'LP–1H7' 120Y/208V, 3φ, 4W		TYPE: NBLP MAINS: 225 AMPS MOUNTING: FLUSH				LOCATION: HOUSE KEEPING 1E37	
LOAD	DESCRIPTION	BREAKER	CIRCUITS		BREAKER	DESCRIPTION	LOAD
1440	LIGHTING	20A	1	2	15A	GFI RECEPTACLE	300
1280	LIGHTING	15A	3	4	15A	RECEPTACLE	400
1000	LIGHTING	15A	5	6	15A	BED RECEPTACLE	400
1200	LIGHTING	15A	7	8	15A	RECEPTACLE	600
1200	LIGHTING	15A	9	10	15A	RECEPTACLE	600
1200	LIGHTING	15A	11	12	15A	GFI RECEPTACLE	300
800	LIGHTING	15A	13	14	15A	RECEPTACLE	400
600	LIGHTING	15A	15	16	15A	BED RECEPTACLE	400
	SPARE	15A	17	18	15A	RECEPTACLE	600
	SPARE	15A	19	20	15A	RECEPTACLE	600
	SPARE	15A	21	22	15A	RECEPTACLE	300
	SPARE	15A	23	24	15A	GFI RECEPTACLE	300
	SPARE	15A	25	26	15A	BED RECEPTACLE	200
	SPARE	15A	27	28	15A	GFI RECEPTACLE	300
	SPARE	15A	29	30	15A	GFI RECEPTACLE	300
	SPARE	15A	31	32	15A	RECEPTACLE	400
	SPACE		33	34	15A	BED RECEPTACLE	300
	SPACE		35	36	15A	RECEPTACLE	600
	SPACE		37	38	15A	RECEPTACLE	600
	SPACE		39	40	15A	GFI RECEPTACLE	300
	SPACE		41	42	30A	HAND DRYER	2000
	SPACE		43	44	15A	STERILIZER	42000
	SPACE		45	46			
	SPACE		47	48	3P		
	SPACE		49	50	15A	RECEPTACLE	400
	SPACE		51	52	15A	RECEPTACLE	400
	SPACE		53	54	15A	IG RECEPTACLE	600
	SPACE		55	56	20A	FIRE PLACE	1500
	SPACE		57	58	15A	ATTIC SPACE RECEPTACLE & LTG.	200
	SPACE		59	60		SPACE	

TOTAL CONNECTED LOAD: 26.82 KVA

TYPICAL FOR PANEL LP–2H7 LOCATED IN HOUSE KEEPING 2E37

PANEL "LP–1A" 120Y/208V, 3ø, 4W		TYPE: NBLP MAINS: 225 AMPS MOUNTING: SURFACE				LOCATION: STORAGE 1C29	
LOAD	DESCRIPTION	BREAKER	CIRCUITS		BREAKER	DESCRIPTION	LOAD
1050	LIGHTING	20A	1	2	15A	RECEPTACLE	400
1010	LIGHTING	15A	3	4	15A	RECEPTACLE	600
1380	LIGHTING	20A	5	6	15A	RECEPTACLE	600
940	LIGHTING	15A	7	8	15A	RECEPTACLE	600
1140	LIGHTING	15A	9	10	15A	RECEPTACLE	600
1200	LIGHTING	15A	11	12	15A	RECEPTACLE	600
	SPARE	15A	13	14	15A	RECEPTACLE	600
	SPARE	15A	15	16	15A	RECEPTACLE	300
	SPARE	15A	17	18	15A	RECEPTACLE	300
	SPARE	15A	19	20	15A	PROJECTOR	600
	SPARE	15A	21	22	15A	O/H SCREEN	600
	SPARE	15A	23	24	15A	SPARE	
	SPARE	15A	25	26	15A	SPARE	
	SPARE	15A	27	28	15A	SPARE	
	SPARE	15A	29	30	15A	RECEPTACLE	500
	SPACE		31	32	15A	GFI RECEPTACLE	600
	SPACE		33	34	20A	DOOR OPERATOR	1200
	SPACE		35	36	20A	DOOR OPERATOR	1200
	SPACE		37	38	15A	RECEPTACLE	500
	SPACE		39	40	20A	FIRE PLACE	1500
	SPACE		41	42	15A	RECEPTACLE	400
	SPACE		43	44	15A	RECEPTACLE	400
	SPACE		45	46	15A	IG RECEPTACLE	600
	SPACE		47	48	15A	GFI RECEPTACLE	600
	SPACE		49	50	15A	GFI RECEPTACLE	600
	SPACE		51	52	30A	HAND DRYER	2000
	SPACE		53	54	30A	HAND DRYER	2000
	SPACE		55	56	30A	HAND DRYER	2000
	SPACE		57	58	15A	GFI RECEPTACLE	600
	SPACE		59	60		SPACE	
TOTAL CONNECTED LOAD: 28.72 KVA							

PANEL 'LP–1B' 120Y/208V, 3ø, 4W		TYPE: NBLP MAINS: 100 AMPS MOUNTING: SURFACE				LOCATION: STORAGE 1C27	
LOAD	DESCRIPTION	BREAKER	CIRCUITS		BREAKER	DESCRIPTION	LOAD
800	TRACK LIGHT	15A	1	2	15A	GOOD DISPLAY	600
	SPACE		3	4	15A	RECEPTACLE	600
	SPACE		5	6	15A	RECEPTACLE	600
600	SOUP WELL	15A	7	8	15A	IG RECEPTACLE	600
		2P	9	10	15A	SANDWICH TABLE	800
1000	CREAMER	15A	11	12	20A	COFFEE MACHINE	1200
		2P	13	14	15A	COFFEE GRINDER	800
1000	SPLIT RECEPTACLE	15A	15	16	15A	HOT CHOCOLATE MACHINE	1000
		2P	17	18	15A	HOT WATER DISPENSER	1000
600	RECEPTACLE	15A	19	20	15A	MICROWAVE EXHAUST HOOD	600
	SPARE	15A	21	22	15A	TOASTER	2800
6000	MICROWAVE	40A	23	24	2P		
		2P	25	26	15A	SPARE	
7800	DISHWASHER	50A	27	28	15A	SPARE	
		2P	29	30	15A	SPARE	
TOTAL CONNECTED LOAD: 14.6 KVA							

NOTES
1. PANEL SHALL BE COMPLETE WITH BUILT–IN 100A, 3P CONTACTOR, KEY OPERATED ON/OFF SWITCH, PILOT, CONTROL TRANSFORMER AND REMOTE PILOT LIGHT.

PANEL 'LP–1C' 120Y/208V, 3ø, 4W		TYPE: NBLP MAINS: 100 AMPS MOUNTING: FLUSH				LOCATION: GENERAL OFFICE 1C15	
LOAD	DESCRIPTION	BREAKER	CIRCUITS		BREAKER	DESCRIPTION	LOAD
9900	LIGHTING	15A	1	2	15A	RECEPTACLES	500
660	LIGHTING	15A	3	4	15A	IG RECEPTACLES	600
	SPARE	15A	5	6	15A	RECEPTACLES	400
	SPARE	15A	7	8	15A	IG RECEPTACLES	600
	SPARE	15A	9	10	15A	RECEPTACLES	400
	SPARE	15A	11	12	15A	IG RECEPTACLES	600
	SPARE	15A	13	14	15A	FAX	600
	SPARE	15A	15	16	15A	IG RECEPTACLES	600
	SPARE	15A	17	18	15A	FAX	500
	SPACE		19	20	15A	RECEPTACLES	400
	SPACE		21	22	15A	GFI RECEPTACLES	300
	SPACE		23	24	15A	GFI RECEPTACLES	300
	SPACE		25	26	GFI	SPLIT RECEPTACLES	1000
	SPACE		27	28	15A 2P		
–	TVSS	20A	29	30	30A	HAND DRYER	2000
			31	32	30A	HAND DRYER	2000
		3P	33	34	15A	IG RECEPTACLE	600
600	IG RECEPTACLE	15A	35	36	15A	IG RECEPTACLE	600
600	IG RECEPTACLE	15A	37	38	15A	RECEPTACLE	400
600	IG RECEPTACLE	15A	39	40	15A	FAX	600
600	IG RECEPTACLE	15A	41	42	15A	COPIER	600
TOTAL CONNECTED LOAD: 17.75 KVA							

PANEL 'LP–1D' 120Y/208V, 3ø, 4W		TYPE: NBLP MAINS: 225 AMPS MOUNTING: FLUSH					LOCATION: WEST 1C45	
LOAD	DESCRIPTION	BREAKER	CIRCUITS			BREAKER	DESCRIPTION	LOAD
1220	LIGHTING	15A	1		2	GFI 15A	RECEPTACLE	1000
600	LIGHTING	15A	3		4	GFI 15A	BLENDER	1200
	SPARE	15A	5		6	GFI	FOOD PROCESSOR	1000
	SPARE	15A	7		8	15A		
	SPARE	15A	9		10	3P		
	SPARE	15A	11		12	GFI 15A	RECEPTACLE	600
	SPARE	15A	13		14	GFI 15A	RECEPTACLE	600
	SPARE	15A	15		16	15A	MIXER	1100
	SPARE	15A	17		18	60A	COMBI OVEN	22000
	SPACE		19		20			
	SPACE		21		22	3P		
	SPACE		23		24	15A	HOOD OVEN	200
	SPACE		25		26	2P		
	SPACE		27		28	GFI 15A	RECEPTACLE	600
	SPACE		29		30	15A	RECEPTACLE	300
	SPACE		31		32	15A	RECEPTACLE	300
	SPACE		33		34	15A	RECEPTACLE	300
	SPACE		35		36	15A	GFI RECEPTACLE	300
	SPACE		37		38	15A	GFI RECEPTACLE	300
	SPACE		39		40	30A	BLAST CHILLER	4500
	SPACE		41		42	2P		
	SPACE		43		44		SPACE	
	SPACE		45		46		SPACE	
	SPACE		47		48		SPACE	
	SPACE		49		50		SPACE	
	SPACE		51		52		SPACE	
	SPACE		53		54		SPACE	
	SPACE		55		56		SPACE	
	SPACE		57		58		SPACE	
	SPACE		59		60		SPACE	
TOTAL CONNECTED LOAD: 29.52 KVA								

PANEL 'LP–1F' 120Y/208V, 3ø, 4W		TYPE: NBLP MAINS: 100 AMPS MOUNTING: SURFACE			LOCATION: WEST 1C41		
LOAD	DESCRIPTION	BREAKER	CIRCUITS	BREAKER	DESCRIPTION	LOAD	
560	LIGHTING	15A	1	2	15A	RECEPTACLE	400
1000	LIGHTING	15A	3	4	15A	GFI RECEPTACLE	600
300	LIGHTING	15A	5	6	15A	RECEPTACLE	500
200	MOTORIZED DAMPER	15A	7	8	15A	AHU–1C	1100
1000	O/H DOOR	15A	9	10	15A	O/H DOOR	1100
	SPACE		11	12	15A	ODOUR PANEL	600
	SPACE		13	14	15A	CHARGER	1000
	SPACE		15	16	15A	CHARGER	1000
	SPACE		17	18	15A	SPARE	
	SPACE		19	20	15A	SPARE	
	SPACE		21	22	15A	SPARE	
	SPACE		23	24	15A	SPARE	
TOTAL CONNECTED LOAD: 7.88 KVA							

PANEL 'LP–2A' 120Y/208V, 3ø, 4W		TYPE: NBLP MAINS: 100 AMPS MOUNTING: FLUSH			LOCATION: CORRIDOR 2C22		
LOAD	DESCRIPTION	BREAKER	CIRCUITS	BREAKER	DESCRIPTION	LOAD	
1250	LIGHTING	15A	1	2	15A	RECEPTACLE	600
1200	LIGHTING	15A	3	4	15A	GFI RECEPTACLE	600
350	LIGHTING	15A	5	6	15A	DOOR OPERATOR	1000
	SPARE	15A	7	8	15A	RECEPTACLE	500
	SPARE	15A	9	10	15A	GFI RECEPTACLE	600
	SPARE	15A	11	12	30A	HAND DRYER	2000
	SPARE	15A	13	14	15A	RECEPTACLE	600
	SPARE	15A	15	16	15A	DOOR OPERATOR	1000
	SPARE	15A	17	18	15A	RECEPTACLE	600
	SPACE		19	20	15A	RECEPTACLE	600
	SPACE		21	22	15A	GFI RECEPTACLE	300
	SPACE		23	24	30A	HAND DRYER	2000
	SPACE		25	26	30A	HAND DRYER	2000
2000	HAND DRYER	30A	27	28	30A	HAND DRYER	2000
200	GFI RECEPTACLE	15A	29	30	15A	GFI RECEPTACLE	200
TOTAL CONNECTED LOAD: 27.9 KVA							

PANEL 'LP–2B' 120Y/208V, 3ø, 4W		TYPE: NBLP MAINS: 100 AMPS MOUNTING: FLUSH				LOCATION: STAFF SERVERY 2C04	
LOAD	DESCRIPTION	BREAKER	CIRCUITS		BREAKER	DESCRIPTION	LOAD
1200	LIGHTING	15A	1	2	15A	SNACK VENDING	800
880	LIGHTING	15A	3	4	15A	SNACK VENDING	800
1020	LIGHTING	15A	5	6	15A	SNACK VENDING	800
1200	LIGHTING	15A	7	8	15A	SPARE	
	SPARE	15A	9	10	15A	MICROWAVE OVEN	1100
	SPARE	15A	11	12	15A	GFI RECEPTACLE	600
	SPARE	15A	13	14	15A	GFI RECEPTACLE	600
	SPARE	15A	15	16	15A	RECEPTACLE	600
	SPACE		17	18	15A	PROJECTION SCREEN	600
	SPACE		19	20	15A	PROJECTOR	600
	SPACE		21	22	15A	IG RECEPTACLE	600
2800	TOASTER	15A	23	24	15A	RECEPTACLE	300
		2P	25	26	15A	RECEPTACLE	600
600	SPLIT RECEPTACLE	15A	27	28	15A	IG RECEPTACLE	600
		2P	29	30	15A	RECEPTACLE	600
TOTAL CONNECTED LOAD: 14.9 KVA							

PANEL 'LP–2C' 120Y/208V, 3ø, 4W		TYPE: NBLP MAINS: 100 AMPS MOUNTING: FLUSH				LOCATION: CORRIDOR #2C12	
LOAD	DESCRIPTION	BREAKER	CIRCUITS		BREAKER	DESCRIPTION	LOAD
860	LIGHTING	15A	1	2	15A	IG RECEPTACLE	600
660	LIGHTING	15A	3	4	15A	IG RECEPTACLE	600
670	LIGHTING	15A	5	6	15A	RECEPTACLE	400
600	LIGHTING	15A	7	8	15A	RECEPTACLE	400
960	LIGHTING	15A	9	10	15A	RECEPTACLE	400
	SPARE	15A	11	12	15A	RECEPTACLE	400
	SPARE	15A	13	14	15A	IG RECEPTACLE	600
	SPARE	15A	15	16	15A	RECEPTACLE	400
	SPARE	15A	17	18	15A	RECEPTACLE	300
	SPARE	15A	19	20	15A	GFI RECEPTACLE	600
	SPACE		21	22	15A	GFI RECEPTACLE	300
	SPACE		23	24	15A	SPILT RECEPTACLE	1000
	SPACE		25	26	2P		
	SPACE		27	28	15A	RECEPTACLE	300
	SPACE		29	30	15A	RECEPTACLE	300
	SPACE		31	32	15A	IG RECEPTACLE	300
	SPACE		33	34	15A	GFI RECEPTACLE	300
	SPACE		35	36	15A	GFI RECEPTACLE	300
200	RECEPTACLE	15A	37	38	15A	GFI RECEPTACLE	300
1000	SPILT RECEPTACLE	15A	39	40	15A	GFI RECEPTACLE	300
		2P	41	42	15A	GFI RECEPTACLE	300
TOTAL CONNECTED LOAD: 13.15 KVA							

PANEL 'LP–3A' 120Y/208V, 3φ, 4W		TYPE: NBLP MAINS: 100 AMPS MOUNTING: SURFACE				LOCATION: MECHANICAL ROOM #3C18	
LOAD	DESCRIPTION	BREAKER	CIRCUITS		BREAKER	DESCRIPTION	LOAD
1000	LIGHTING	15A	1	2	15A	GFI RECEPTACLE	600
1000	LIGHTING	15A	3	4	30A	HAND DRYER	2000
980	LIGHTING	15A	5	6	15A	GFI RECEPTACLE	600
350	LIGHTING	15A	7	8	15A	DOOR OPERATOR	1000
930	LIGHTING	15A	9	10	15A	RECEPTACLE	600
570	LIGHTING	15A	11	12	15A	RECEPTACLE	500
1600	LIGHTING	20A	13	14	15A	IG RECEPTACLE	600
1600	LIGHTING	20A	15	16	15A	IG RECEPTACLE	600
840	LIGHTING	15A	17	18	15A	EF–12	1100
720	LIGHTING	15A	19	20	15A	GFI RECEPTACLE	300
480	LIGHTING	15A	21	22	15A	GFI RECEPTACLE	300
	SPACE		23	24	15A	RECEPTACLE	600
	SPACE		25	26	15A	DOOR OPERATOR	1000
	SPACE		27	28	15A	RECEPTACLE	400
	SPACE		29	30	15A	RECEPTACLE	600
	SPACE		31	32	15A	SPILT RECEPTACLE	1000
	SPACE		33	34	2P		
	SPACE		35	36	15A	RECEPTACLE	600
	SPACE		37	38	15A	RECEPTACLE	300
	SPACE		39	40	15A	PROJECTOR	600
	SPACE		41	42	15A	IG RECEPTACLE	600
	SPACE		43	44	15A	D/H SCREEN	1100
	SPACE		45	46	15A	ELECTRONIC WHITE BOARD	600
	SPACE		47	48	15A	GFI RECEPTACLE	300
	SPACE		49	50	15A	RECEPTACLE AND LIGHT	300
	SPACE		51	52	15A	SPARE	
	SPACE		53	54	15A	SPARE	
	SPACE		55	56	15A	SPARE	
	SPACE		57	58	15A	SPARE	
	SPACE		59	60	15A	SPARE	
TOTAL CONNECTED LOAD: 25.67 KVA							

PANEL 'LP-3B' 120Y/208V, 3ø, 4W		TYPE: NBLP MAINS: 100 AMPS MOUNTING: SURFACE				LOCATION: TUCK SHOP STORAGE	
LOAD	DESCRIPTION	BREAKER	CIRCUITS	BREAKER	DESCRIPTION	LOAD	
1190	LIGHTING	15A	1 — 2	15A	GFI RECEPTACLE	300	
	SPARE	15A	3 — 4	15A	GFI RECEPTACLE	300	
	SPARE	15A	5 — 6	15A	SPILT RECEPTACLE	1000	
	SPARE	15A	7 — 8	2P			
	SPARE	15A	9 — 10	15A	DISHWASHER	1000	
	SPACE		11 — 12	15A	SPARE		
	SPACE		13 — 14	15A	GFI RECEPTACLE	300	
	SPACE		15 — 16	GFI 15A	SPILT RECEPTACLE	1000	
	SPACE		17 — 18	2P			
	SPACE		19 — 20	15A	IG RECEPTACLE	600	
	SPACE		21 — 22	15A	SPARE		
	SPACE		23 — 24	15A	SPARE		
TOTAL CONNECTED LOAD: 5.79 KVA							

PANEL 'LP-3C' 120Y/208V, 3ø, 4W		TYPE: NBLP MAINS: 225 AMPS MOUNTING: SURFACE				LOCATION: MECHANICAL ROOM #3C18	
LOAD	DESCRIPTION	BREAKER	CIRCUITS	BREAKER	DESCRIPTION	LOAD	
	SPARE	15A	1 — 2	15A	RECEPTACLE	600	
1700	LIGHTING	20A	3 — 4	15A	RECEPTACLE	600	
	SPACE		5 — 6	15A	EF-11	650	
	SPACE		7 — 8	15A	EF-8	650	
	SPACE		9 — 10	15A	BOILER BURNER	1100	
	SPACE		11 — 12	15A	BOILER CONTROL	1000	
	SPACE		13 — 14	15A	EF-3	1100	
	SPACE		15 — 16	15A	FEED WATER TANK CONTROL	1000	
	SPACE		17 — 18	15A	CHEMICAL FEED TANK	800	
	SPACE		19 — 20	15A	CHEMICAL FEED TANK	800	
	SPACE		21 — 22	15A	WATER SOFTTENER	700	
	SPARE	15A	23 — 24	15A	EF-13	1100	
	SPARE	15A	25 — 26	15A	EF-15	600	
	SPARE	15A	27 — 28	15A	EF-7	600	
	SPARE	15A	29 — 30	15A	EF-8	600	
5000	GUTTER ICE STOP CABLE	GFI 30A	31 — 32	15A	EF-9	600	
		2P	33 — 34	30A	ICE STOP CONTROLLER	200	
5000	GUTTER ICE STOP CABLE	GFI 30A	35 — 36	GFI 15A	RECEPTACLE	600	
		2P	37 — 38	15A	SPARE		
5000	GUTTER ICE STOP CABLE	GFI 30A	39 — 40	15A	SPARE		
		2P	41 — 42	15A	SPARE		
TOTAL CONNECTED LOAD: 10 KVA							

PANEL 'LP–S' 347Y/600V, 3ø, 4W		TYPE: NHDP MAINS: 60 AMPS MOUNTING: SURFACE				LOCATION: MAIN ELECTRICAL ROOM BC19	
LOAD	DESCRIPTION	BREAKER	CIRCUITS		BREAKER	DESCRIPTION	LOAD
2080	EXTERIOR LIGHTING	20A	1	2	20A	PARKING LOT LIGHTING	3000
2080	EXTERIOR LIGHTING	20A	3	4	20A	PARKING LOT LIGHTING	3664
2860	EXTERIOR LIGHTING	20A	5	6	20A	PARKING LOT LIGHTING	1100
1300	EXTERIOR LIGHTING	20A	7	8	20A	PARKING LOT LIGHTING	2150
2340	EXTERIOR LIGHTING	20A	9	10	20A	PARKING LOT LIGHTING	2150
	SPACE		11	12	20A	PARKING LOT LIGHTING	1700
	SPACE		13	14	20A	SPARE	
	SPACE		15	16	20A	SPARE	
	SPACE		17	18	20A	SPARE	
	SPACE		19	20	20A	SPARE	
	SPACE		21	22		SPACE	
	SPACE		23	24		SPACE	
TOTAL CONNECTED LOAD: 22.3 KVA							

PANEL 'LP–1E1' 120Y/208V, 3ø, 4W		TYPE: NBLP MAINS: 100 AMPS MOUNTING: FLUSH				LOCATION: HOUSE KEEPING #1W43	
LOAD	DESCRIPTION	BREAKER	CIRCUITS		BREAKER	DESCRIPTION	LOAD
100	EXIT SIGN	15A	1	2	15A	RECEPTACLES	400
960	STAIR LIGHTING	15A	3	4	15A	RECEPTACLES	200
1140	RESIDENT LIGHTING	15A	5	6	15A	RECEPTACLES	200
1200	STAIR & CORR. LIGHTING	15A	7	8	15A	RECEPTACLES	200
670	LIGHTING	15A	9	10	15A	RECEPTACLES	200
	SPARE	15A	11	12	15A	RECEPTACLES	200
	SPARE	15A	13	14	15A	RECEPTACLES	300
	SPARE	15A	15	16	15A	FORCE FLOW HEATER	800
	SPARE	15A	17	18	15A	DOOR HOLD OPEN	600
	SPARE	15A	19	20	15A	RECEPTACLES	200
	SPARE	15A	21	22	15A	RECEPTACLES	200
	SPARE	15A	23	24	15A	RECEPTACLES	200
	SPARE	15A	25	26	15A	RECEPTACLES	200
	SPACE		27	28	15A	RECEPTACLES	200
	SPACE		29	30	15A	RECEPTACLES	200
	SPACE		31	32	15A	RECEPTACLES	200
	SPACE		33	34	15A	RECEPTACLES	300
	SPACE		35	36	15A	RECEPTACLES	300
	SPACE		37	38	15A	RECEPTACLES	300
	SPACE		39	40	15A	RECEPTACLES	200
	SPACE		41	42	15A	SMOKE DAMPER	200
TOTAL CONNECTED LOAD: 9.67KVA							

TYPICAL FOR PANEL LP–2E1 LOCATED IN HOUSEKEEPING 2W12
TYPICAL FOR PANEL LP–3E1 LOCATED IN HOUSEKEEPING 3W12

PANEL 'LP-1E2' 120Y/208V, 3ø, 4W		TYPE: NBLP MAINS: 100 AMPS MOUNTING: FLUSH			LOCATION: HOUSE KEEPING 1W12	
LOAD	DESCRIPTION	BREAKER	CIRCUITS	BREAKER	DESCRIPTION	LOAD
100	EXIT SIGN	15A	1 — 2	15A	RECEPTACLES	400
960	STAIR LIGHTING	15A	3 — 4	15A	RECEPTACLES	200
1140	RESIDENT LIGHTING	15A	5 — 6	15A	RECEPTACLES	200
1200	STAIR + CORR. LIGHITNG	15A	7 — 8	15A	RECEPTACLES	200
670	LIGHTING	15A	9 — 10	15A	RECEPTACLES	200
	SPARE	15A	11 — 12	15A	RECEPTACLES	200
	SPARE	15A	13 — 14	15A	RECEPTACLES	300
	SPARE	15A	15 — 16	15A	FORCE FLOW HEATER	800
	SPARE	15A	17 — 18	15A	DOOR HOLD OPEN	600
	SPARE	15A	19 — 20	15A	RECEPTACLES	200
	SPARE	15A	21 — 22	15A	RECEPTACLES	200
	SPARE	15A	23 — 24	15A	RECEPTACLES	200
	SPARE	15A	25 — 26	15A	RECEPTACLES	200
	SPACE		27 — 28	15A	RECEPTACLES	200
	SPACE		29 — 30	15A	RECEPTACLES	200
	SPACE		31 — 32	15A	RECEPTACLES	200
	SPACE		33 — 34	15A	RECEPTACLES	300
	SPACE		35 — 36	15A	RECEPTACLES	300
	SPACE		37 — 38	15A	RECEPTACLES	300
	SPACE		39 — 40	15A	RECEPTACLES	200
	SPACE		41 — 42	15A	SMOKE DAMPER	200
TOTAL CONNECTED LOAD: 9.67 KVA						

TYPICAL FOR PANEL LP-2E2 LOCATED IN HOUSEKEEPING 2W12
TYPICAL FOR PANEL LP-3E2 LOCATED IN HOUSEKEEPING 3W12

PANEL 'LP–1E3' 120Y/208V, 3ø, 4W		TYPE: NBLP MAINS: 225 AMPS MOUNTING: FLUSH				LOCATION: CORRIDOR #1W32	
LOAD	DESCRIPTION	BREAKER	CIRCUITS	BREAKER	DESCRIPTION		LOAD
100	EXIT SIGN	15A	1 — 2	15A	RECEPTACLES		400
950	LIGHTING	15A	3 — 4	15A	DOOR HOLD OPEN		400
1110	LIGHTING	15A	5 — 6	15A	RECEPTACLES		600
1300	LIGHTING	15A	7 — 8	15A	RECEPTACLES		300
950	LIGHTING	15A	9 — 10	15A	SPARE		
1100	LIGHTING	15A	11 — 12	15A	RECEPTACLES		300
930	LIGHTING	15A	13 — 14	15A	RECEPTACLES		300
1280	LIGHTING	15A	15 — 16	15A	RECEPTACLES		300
	SPARE	15A	17 — 18	15A	FRIDGE		600
	SPARE	15A	19 — 20	15A	FRIDGE		600
	SPARE	15A	21 — 22	15A	DOOR ACCESS MONITORING PANEL		300
	SPARE	15A	23 — 24	15A	RECEPTACLES		300
	SPARE	15A	25 — 26	15A	RECEPTACLES		300
	SPARE	15A	27 — 28	15A	RECEPTACLES		300
1000	REFRIGERATOR	15A	29 — 30	15A	RECEPTACLES		300
1400	FREEZER	20A	31 — 32	15A	SPARE		
7000	RETHERM	20A	33 — 34	15A	IG RECEPTACLES		300
			35 — 36	15A	RECEPTACLES		300
		3P	37 — 38	15A	FIRE ALARM DGP		300
7000	RETHERM	20A	39 — 40	GFI 15A	DOOR ACCESS CONTROL PANEL		300
			41 — 42	15A	NURSE CALL PANEL		300
		3P	43 — 44	15A	IG RECEPTACLES		300
7000	RETHERM	20A	45 — 46	15A	RECEPTACLES		300
			47 — 48	15A	GFI RECEPTACLES		300
		3P	49 — 50	15A	REFRIGERATOR		1200
7000	RETHERM	20A	51 — 52	15A	REFRIGERATOR		1200
			53 — 54	15A	RECEPTACLES		300
		3P	55 — 56	15A	RECEPTACLES		300
	SPARE	15A	57 — 58	15A	RECEPTACLES		300
	SPARE	15A	59 — 60	15A	RECEPTACLES		300
	SPACE		61 — 62		SPACE		
	SPACE		63 — 64		SPACE		
	SPACE		65 — 66		SPACE		
TOTAL CONNECTED LOAD: 51.41KVA							

TYPICAL FOR PANEL LP–2E3 LOCATED IN COORDIOR #2W32
TYPICAL FOR PANEL LP–3E3 LOCATED IN CORRIDOR #3W32

PANEL 'LP–1E4' 120Y/208V, 3Ø, 4W		TYPE: NBLP MAINS: 225 AMPS MOUNTING: SURFACE			LOCATION: STORAGE #1C29		
LOAD	DESCRIPTION	BREAKER	CIRCUITS	BREAKER	DESCRIPTION	LOAD	
100A	EXIT SIGN	15A	1 — 2	15A	AC–4A & AC–4B	1900	
620	LIGHTING	15A	3 — 4	2P			
680	LIGHTING	15A	5 — 6	15A	RECEPTACLES	600	
1000	LIGHTING	15A	7 — 8	15A	RECEPTACLES	600	
900	LIGHTING	15A	9 — 10	20A	FC–1	1800	
1200	LIGHTING	15A	11 — 12	2P			
	SPARE	15A	13 — 14	15A	FF–13	400	
	SPARE	15A	15 — 16	15A	RECEPTACLES	300	
	SPARE	15A	17 — 18	20A	RETHERM UNIT	6500	
	SPARE	15A	19 — 20				
	SPARE	15A	21 — 22	3P			
	SPARE	15A	23 — 24	20A	RETHERM UNIT	6500	
	SPACE		25 — 26				
	SPACE		27 — 28	3P			
	SPACE		29 — 30	15A	REFRIGERATOR	1000	
	SPACE		31 — 32	20A	FREEZER	1000	
	SPACE		33 — 34	15A	U/C REFRIGERATOR	800	
	SPACE		35 — 36	15A	GFI RECEPTACLE	600	
	SPACE		37 — 38	15A	SPLIT RECEPTACLE	1000	
	SPACE		39 — 40	2P			
	SPACE		41 — 42	GFI 15A	HEAT TRACE	500	
TOTAL CONNECTED LOAD: 26.7KVA							

PANEL 'LP-2E4' 120Y/208V, 3ø, 4W		TYPE: NBLP MAINS: 100 AMPS MOUNTING: FLUSH				LOCATION: STAFF SERVERY #2C04	
LOAD	DESCRIPTION	BREAKER	CIRCUITS		BREAKER	DESCRIPTION	LOAD
1200	LIGHTING	15A	1	2	15A	RECEPTACLE	400
810	LIGHTING	15A	3	4	15A	RECEPTACLE	300
980	LIGHTING	15A	5	6	15A	RECEPTACLE	800
900	LIGHTING	15A	7	8	15A	FRIDGE	1000
	SPACE		9	10	15A	RECEPTACLE	300
	SPACE		11	12	GFI 15A	HEAT TRACE	600
	SPACE		13	14	15A	RECEPTACLE	600
	SPACE		15	16	15A	RECEPTACLE	600
	SPACE		17	18	15A	SPARE	
	SPACE		19	20	15A	SPARE	
	SPACE		21	22	15A	SPARE	
	SPACE		23	24	15A	SPARE	
TOTAL CONNECTED LOAD: 8.89 KVA							

PANEL 'LP-3E4' 120Y/208V, 3ø, 4W		TYPE: NBLP MAINS: 100 AMPS MOUNTING: SURFACE				LOCATION: MECHANICAL ROOM #3C18	
LOAD	DESCRIPTION	BREAKER	CIRCUITS		BREAKER	DESCRIPTION	LOAD
100	LIGHTING	15A	1	2	15A	RECEPTACLE	400
1260	LIGHTING	15A	3	4	15A	RECEPTACLE	400
630	LIGHTING	15A	5	6	15A	RECEPTACLE	400
1140	LIGHTING	15A	7	8	15A	RECEPTACLE	400
1200	LIGHTING	15A	9	10	15A	FRIDGE	800
880	LIGHTING	15A	11	12	15A	RECEPTACLE	300
	SPACE		13	14	15A	FIRE SHUTTER	600
	SPACE		15	16	15A	RECEPTACLE	400
	SPACE		17	18	15A	RECEPTACLE	600
	SPACE		19	20	15A	FRIDGE RECEPTACLE	600
	SPACE		21	22	15A	FRIDGE RECEPTACLE	600
	SPACE		23	24	15A	FRIDGE RECEPTACLE	600
	SPARE	15A	25	26	15A	SPARE	
	SPARE	15A	27	28	15A	SPARE	
	SPARE	15A	29	30	15A	SPARE	
TOTAL CONNECTED LOAD: 9.51KVA							

PANEL 'LP–1E5' 120Y/208V, 3ø, 4W		TYPE: NBLP MAINS: 100 AMPS MOUNTING: FLUSH				LOCATION: EQUIPMENT STORAGE #1E06	
LOAD	DESCRIPTION	BREAKER	CIRCUITS		BREAKER	DESCRIPTION	LOAD
100	EXIT SIGN	15A	1	2	15A	RECEPTACLE	400
980	LIGHTING	15A	3	4	15A	RECEPTACLE	500
1070	LIGHTING	15A	5	6	15A	RECEPTACLE	400
350	LIGHTING	15A	7	8	15A	FRIDGE	600
700	LIGHTING	15A	9	10	15A	RECEPTACLE	300
700	LIGHTING	15A	11	12	15A	RECEPTACLE	400
720	LIGHTING	15A	13	14	15A	RECEPTACLE	200
	SPARE	15A	15	16	15A	RECEPTACLE	200
	SPARE	15A	17	18	15A	GFI RECEPTACLE	300
	SPARE	15A	19	20	15A	RECEPTACLE	400
	SPARE	15A	21	22	15A	DOOR HOLD OPEN	600
	SPARE	15A	23	24	15A	RECEPTACLE	200
	SPACE		25	26	15A	RECEPTACLE	200
	SPACE		27	28	15A	FF–8	2000
	SPACE		29	30	2P		
	SPACE		31	32	15A	FF–9	2000
	SPACE		33	34	2P		
	SPACE		35	36	15A	FF–7	2000
	SPACE		37	38	2P		
	SPACE		39	40	15A	FF–6	2000
200	SMOKE DAMPER	15A	41	42	2P		
TOTAL CONNECTED LOAD: 17.12 KVA							
TYPICAL FOR PANEL LP–2E5 LOCATED IN EQUIPMENT STORAGE #2E06							

PANEL 'LP–3E5'
120Y/208V, 3ø, 4W

TYPE: NBLP
MAINS: 100 AMPS
MOUNTING: SURFACE

LOCATION: MECHANICAL ROOM #3C18

LOAD	DESCRIPTION	BREAKER	CIRCUITS		BREAKER	DESCRIPTION	LOAD
100	EXIT SIGN	15A	1	2	15A	BOILER CONTROL PANEL	600
1120	LIGHTING	15A	3	4	15A	BAS CONTROL PANEL	300
800	LIGHTING	15A	5	6	15A	COOLING TOWER CONTROL PANEL	300
	SPACE		7	8	15A	COMPRESSOR	1100
	SPACE		9	10	15A	HRU–2 CONTROL + MD	300
	SPACE		11	12	15A	HRU–1 CONTROL + MD	300
	SPACE		13	14	GFI 15A	HEAT TRACE	1100
	SPACE		15	16	GFI 15A	HEAT TRACE	1100
	SPACE		17	18	15A	UH–5	300
	SPACE		19	20	GFI 15A	HEAT TRACE	1100
	SPACE		21	22	15A	SPARE	
	SPACE		23	24	15A	SPARE	
	SPACE		25	26	15A	SPARE	
	SPACE		27	28	15A	SPARE	
	SPACE		29	30	15A	SPARE	

TOTAL CONNECTED LOAD: 9.32 KVA

PANEL 'LP–1E6'
120Y/208V, 3ø, 4W

TYPE: NBLP
MAINS: 225 AMPS
MOUNTING: SURFACE

LOCATION: STORAGE #1E26

LOAD	DESCRIPTION	BREAKER	CIRCUITS		BREAKER	DESCRIPTION	LOAD
100	EXIT SIGN	15A	1	2	15A	RECEPTACLE	400
800	LIGHTING	15A	3	4	15A	RECEPTACLE	600
700	LIGHTING	15A	5	6	15A	RECEPTACLE	200
960	LIGHTING	15A	7	8	15A	DOOR HOLD OPEN	600
660	LIGHTING	15A	9	10	15A	RECEPTACLE	400
	SPACE		11	12	15A	SPARE	
	SPACE		13	14	GFI 15A	HEAT TRACE CABLE	1000
	SPACE		15	16	15A	REFRIGERATOR	1100
	SPACE		17	18	15A	GFI RECEPTACLE	600
	SPACE		19	20	15A	GFI RECEPTACLE	600
	SPACE		21	22	15A	SPARE	
	SPACE		23	24	20A	RETHERM	7000
	SPACE		25	26			
	SPACE		27	28	3P		
	SPARE	15A	29	30	20A	RETHERM	7000
	SPARE	15A	31	32			
	SPARE	15A	33	34	3P		
	SPARE	15A	35	36	15A	RECEPTACLE	300
	SPARE	15A	37	38	15A	RECEPTACLE	600
600	RECEPTACLE	15A	39	40	15A	SPARE	
1000	FRIDGE	15A	41	42	20A	FRIDGE	1400

TOTAL CONNECTED LOAD: 26.4 KVA

TYPICAL FOR PANEL LP–2E6 LOCATED IN STORAGE #2E26

PANEL ''LP-1E7' 120Y/208V, 3Ø, 4W		TYPE: NBLP MAINS: 100 AMPS MOUNTING: FLUSH					LOCATION: SOLID UTILITY #1E46	
LOAD	DESCRIPTION	BREAKER	CIRCUITS			BREAKER	DESCRIPTION	LOAD
100	EXIT SIGN	15A	1		2	15A	IG RECEPTACLE	300
1100	LIGHTING	15A	3		4	15A	IG RECEPTACLE	300
1200	LIGHTING	15A	5		6	15A	IG RECEPTACLE	300
960	LIGHTING	15A	7		8	15A	FIRE ALARM DGP	300
780	LIGHTING	15A	9		10	GFI 15A	DOOR ACCESS CONTROL PANEL	300
	SPARE	15A	11		12	15A	GFI RECEPTACLE	300
	SPARE	15A	13		14	15A	RECEPTACLE	300
	SPARE	15A	15		16	15A	RECEPTACLE	500
	SPARE	15A	17		18	15A	GFI RECEPTACLE	300
	SPARE	15A	19		20	15A	DOOR HOLD OPEN	600
	SPARE	15A	21		22	15A	RECEPTACLE	200
	SPACE		23		24	15A	RECEPTACLE	200
	SPACE		25		26	15A	RECEPTACLE	200
	SPACE		27		28	15A	RECEPTACLE	200
	SPACE		29		30	15A	RECEPTACLE	200
	SPACE		31		32	15A	RECEPTACLE	200
	SPACE		33		34	15A	RECEPTACLE	200
	SPACE		35		36	15A	FF-1	2000
	SPACE		37		38	2P		
200	SMOKE DAMPER	15A	39		40	15A	FF-10	2000
360	FF-1	15A	41		42	2P		
TOTAL CONNECTED LOAD: 13.5KVA								
TYPICAL FOR PANEL LP-2E7 LOCATED IN SOLID UTILITY #2E46								

PANEL 'LP-1E8' 120Y/208V, 3Ø, 4W		TYPE: NBLP MAINS: 100 AMPS MOUNTING: FLUSH					LOCATION: GENERAL OFFICE #1C15	
LOAD	DESCRIPTION	BREAKER	CIRCUITS			BREAKER	DESCRIPTION	LOAD
100	EXIT SIGN	15A	1		2	15A	RECEPTACLE	600
1160	LIGHTING	15A	3		4	15A	RECEPTACLE	300
920	LIGHTING	15A	5		6	15A	SMOKE EXHAUST PANEL	800
770	LIGHTING	15A	7		8	15A	RECEPTACLE	600
300	ATM MACHINE	15A	9		10	15A	RECEPTACLE	600
	SPARE	15A	11		12	15A	RECEPTACLE	600
	SPARE	15A	13		14	15A	FRIDGE	600
	SPARE	15A	15		16	15A	RECEPTACLE	600
	SPARE	15A	17		18	15A	RECEPTACLE	600
	SPACE		19		20	15A	RECEPTACLE	600
	SPACE		21		22	15A	RECEPTACLE	600
	SPACE		23		24	15A	RECEPTACLE	600
	SPACE		25		26	20A	TVSS	
	SPACE		27		28			
	SPACE		29		30	3P		
TOTAL CONNECTED LOAD: 10.05 KVA								

PANEL 'LP-2E8' 120Y/208V, 3ø, 4W		TYPE: NBLP MAINS: 100 AMPS MOUNTING: FLUSH				LOCATION: CORRIDOR #2C12	
LOAD	DESCRIPTION	BREAKER	CIRCUITS		BREAKER	DESCRIPTION	LOAD
100	EXIT	15A	1	2	GFI 15A	HEAT TRACE CABLE	1000
1040	LIGHTING	15A	3	4	GFI 15A	HEAT TRACE CABLE	1000
1100	LIGHTING	15A	5	6	15A	RECEPTACLE	600
800	LIGHTING	15A	7	8	15A	RECEPTACLE	600
	SPARE	15A	9	10	15A	RECEPTACLE	600
	SPARE	15A	11	12	15A	RECEPTACLE	400
	SPARE	15A	13	14	15A	FRIDGE	800
	SPARE	15A	15	16		SPACE	
	SPARE	15A	17	18		SPACE	
	SPARE	15A	19	20		SPACE	
	SPACE		21	22		SPACE	
	SPACE		23	24		SPACE	
TOTAL CONNECTED LOAD: 8.04 KVA							

PANEL 'LP-1E9' 120Y/208V, 3ø, 4W		TYPE: CDP MAINS: 400 AMPS MOUNTING: FLUSH				LOCATION: VEST. #1C45	
LOAD	DESCRIPTION	BREAKER	CIRCUITS		BREAKER	DESCRIPTION	LOAD
100	EXIT SIGN	15A	1	2	15A	DOOR HOLD OPEN	300
1050	LIGHTING	15A	3	4	20A	FF-5 + UH-3 + UH4	1100
1520	LIGHTING	15A	5	6	15A	RECEPTACLE	1000
	SPARE	15A	7	8	GFI 15A	HEAT TRACE CABLE	1000
	SPARE	15A	9	10	15A	FREEZER	500
	SPARE	15A	11	12	15A	FREEZER HEATER	1000
	SPARE	15A	13	14	2P		
	SPARE	15A	15	16	15A	EVAPORATOR COIL	1700
1200	HOOD	SHUNT 15A	17	18	2P		
1000	FIRE SUPPRESSION PANEL	15A	19	20	30A	CONDENSING UNIT	5600
400	OVEN	SHUNT 15A	21	22			
1200	FILTER SYSTEM	SHUNT 15A	23	24	3P		
1200	FILTER SYSTEM	SHUNT 15A	25	26	15A	REFRIGERATOR	750
600	KETTLE	SHUNT 15A	27	28	15A	CONDENSING UNIT	1700
27000	OVEN	SHUNT	29	30			
		100A	31	32	3P		
		3P	33	34	15A	REFRIGERATOR	750
	SPARE	15A	35	36	15A	CONDENSING UNIT	1700
	SPARE	15A	37	38			
1400	FREEZER	20A	39	40	3P		
1400	ICE MACHINE	20A	41	42	15A	REFRIGERATOR	750
20000	DISHWASHER	85A	43	44	15A	CONDENSING UNIT	1700
			45	46			
		3P	47	48	3P		
600	HEAT TRACE	GFI 15A	49	50	15A	REFRIGERATOR	750
	SPACE		51	52	15A	CONDENSING UNIT	1700
	SPACE		53	54			
	SPACE		55	56	3P		
	SPACE		57	58	15A	REFRIGERATOR	750
	SPACE		59	60	15A	CONDENSING UNIT	1700
	SPACE		61	62			
	SPACE		63	64	3P		
	SPACE		65	66	15A	RECEPTACLE	300
TOTAL CONNECTED LOAD: 86.32 KVA							

PANEL 'LP-E' 120Y/208V, 3ø, 4W		TYPE: NBLP MAINS: 100 AMPS MOUNTING: SURFACE				LOCATION: DIESEL GENERATOR #BC20	
LOAD	DESCRIPTION	BREAKER	CIRCUITS		BREAKER	DESCRIPTION	LOAD
1050	LIGHTING	15A	1	2	15A	RECEPTACLE	500
100	BATTERY UNIT	15A	3	4	15A	MOTORIZED DAMPER	600
	SPARE	15A	5	6	15A	MOTORIZED DAMPER	600
	SPARE	15A	7	8	15A	EF-2	1100
	SPARE	15A	9	10	15A	FUEL TANK PANEL	400
	SPARE	15A	11	12	20A	BATTERY CHARGE	1200
	SPARE	15A	13	14	15A	AC-1A & AC-1B	1900
	SPACE		15	16	2P		
	SPACE		17	18	15A	COMPRESSOR	1100
	SPACE		19	20	15A	UH-1 & UH-2	500
	SPACE		21	22	15A	MOTORIZED DAMPER	400
	SPACE		23	24	15A	AHU-3 CONTROL	300
	TVSS	20A	25	26	15A	COMPRESSOR	1100
			27	28	15A	F.A. CONTROL PANEL	600
		3P	29	30	15A	SPARE	
TOTAL CONNECTED LOAD: 11.65KVA							

PANEL 'LP-BE1' 120Y/208V, 3Ø, 4W		TYPE: NBLP MAINS: 225 AMPS MOUNTING: SURFACE				LOCATION: HOUSEKEEPING STORAGE #BC16	
LOAD	DESCRIPTION	BREAKER	CIRCUITS	BREAKER	DESCRIPTION		LOAD
100	EXIT SIGN	15A	1 — 2	15A	ELEVATOR CONTROL		300
980	LIGHTING	15A	3 — 4	15A	ELEVATOR CONTROL		300
1100	LIGHTING	20A	5 — 6	15A	ELEVATOR CONTROL		300
440	LIGHTING	15A	7 — 8	15A	GFI RECEPTACLE		400
990	LIGHTING	15A	9 — 10	15A	DOOR HOLD OPEN		400
1200	LIGHTING	15A	11 — 12	15A	DOOR HOLD OPEN		600
910	LIGHTING	15A	13 — 14	15A	EF-4		1100
	SPARE	15A	15 — 16	15A	AC-2A & AC-2B		1900
	SPARE	15A	17 — 18	2P			
	SPARE	15A	19 — 20	20A	STORM PUMP P-31		1100
	SPARE	15A	21 — 22	15A	RECEPTACLE		600
	SPARE	15A	23 — 24	15A	RECEPTACLE		600
	SPARE	15A	25 — 26	15A	RECEPTACLE		300
	SPACE		27 — 28	15A	FF-14		2000
	SPACE		29 — 30	2P			
	SPACE		31 — 32	15A	RECEPTACLE		600
	SPACE		33 — 34	15A	IG RECEPTACLE		600
	SPACE		35 — 36	15A	IG RECEPTACLE		600
	SPACE		37 — 38	15A	IG RECEPTACLE		600
	SPACE		39 — 40	15A	IG RECEPTACLE		600
	SPACE		41 — 42	15A	IG RECEPTACLE		600
	SPACE		43 — 44	15A	IG RECEPTACLE		600
	SPACE		45 — 46	15A	IG RECEPTACLE		600
	SPACE		47 — 48	15A	IG RECEPTACLE		600
	SPACE		49 — 50	15A	IG RECEPTACLE		600
	SPACE		51 — 52	15A	IG RECEPTACLE		600
	SPACE		53 — 54	15A	IG RECEPTACLE		600
500	HEAT TRACE	GFI 15A	55 — 56	15A	IG RECEPTACLE		1000
100	RECEPTACLE	15A	57 — 58	15A	GFI RECEPTACLE		300
	TVSS	20A	59 — 60	15A	GFI RECEPTACLE		1000
			61 — 62	15A	WASHER		3600
		3P	63 — 64				
750	DRYER	15A	65 — 66	3P			
TOTAL CONNECTED LOAD: 28.47 KVA							

PANEL 'LP–BE2' 120Y/208V, 3ø, 4W		TYPE: NBLP MAINS: 100 AMPS MOUNTING: SURFACE				LOCATION: MECHANICAL ROOM #BC06	
LOAD	DESCRIPTION	BREAKER	CIRCUITS		BREAKER	DESCRIPTION	LOAD
100	EXIT SIGN	15A	1	2	15A	DOOR HOLD OPEN	500
1400	LIGHTING	15A	3	4	15A	AHU–1 MD+ CONTROL	600
	SPACE		5	6	15A	AHU–2 MD+ CONTROL	600
	SPACE		7	8	15A	AHU–4 MD+ CONTROL	600
	SPACE		9	10	15A	AHU–5 MD+ CONTROL	600
	SPACE		11	12	15A	AHU–17 + 6 MD+ CONTROL	600
	SPACE		13	14	15A	AHU–7 MD+ CONTROL	600
	SPACE		15	16	15A	AHU–8 MD+ CONTROL	600
	SPACE		17	18	15A	COMPRESSOR	1100
	SPACE		19	20	20A	SANITARY PUMP P–19	1100
	SPACE		21	22	15A	GLYCOL PUMP	850
	SPACE		23	24	20A	STORM PUMP P–20	1100
	SPACE		25	26	15A	SNOW MELTING CONTROL PANEL	600
	SPACE		27	28	15A	SPRINKLER PUMP	850
	SPACE		29	30	15A	SPARE	
	SPACE		31	32	15A	SPARE	
	SPACE		33	34	15A	MOTORIZED DAMPER	300
	SPACE		35	36	15A	SPARE	
	SPACE		37	38	15A	SPARE	
	SPACE		39	40	15A	SPARE	
	SPACE		41	42	15A	SPARE	
TOTAL CONNECTED LOAD: 11.9 KVA							

SPRINKLER VALVES
FLOW SWITCHES

Hillsdale Terraces-600 Oshawa Blvd. North –Code Red Fire Safety Plan

FIRE ALARM ANNUNCIATOR SCHEDULE

LOCATION	ZONE No.		LOCATION	LOCATION	ZONE No.		LOCATION
STAIR #1	1	2	MAIN SUPERVISED VALVE SV–1	GROUND FLOOR WEST CENTRAL WING	95	96	THIRD FLOOR SOUTH WEST WING #1 – SUPERVISED VALVE SV–44
STAIR #2	3	4	FIRE HYDRANT SUPERVISED VALVE SV–2	GROUND FLOOR WEST CENTRAL WING – SPRINKLER FS–18	97	98	THIRD FLOOR SOUTH WEST WING #2 – SUPERVISED VALVE SV–45
STAIR #3	5	6	FIRE HYDRANT SUPERVISED VALVE SV–3	GROUND FLOOR SOUTH WEST WING #1	99	100	GENERATOR RUNNING
STAIR #4	7	8	SPRINKLER SUPERVISED VALVE SV–4	GROUND FLOOR SOUTH WEST WING #1 – SPRINKLER FS–19	101	102	GENERATOR TROUBLE
STAIR #5	9	10	SPRINKLER SUPERVISED VALVE SV–6	GROUND FLOOR SOUTH WEST WING #2	103	104	DUCT SMOKE DETECTOR AHU–1
STAIR #6	11	12	SUPERVISED LOW PRESSURE SWITCH PS–1	GROUND FLOOR SOUTH WEST WING #2 – SPRINKLER FS–20	105	106	DUCT SMOKE DETECTOR AHU–2
STAIR #7	13	14	BASEMENT – SUPERVISED VALVE SV–6	SECOND FLOOR NORTH EAST WING #1	107	108	DUCT SMOKE DETECTOR AHU–3
STAIR #8	15	16	LAUNDRY CHUTE SUPERVISED VALVE SV–7	SECOND FLOOR NORTH EAST WING #1 SPRINKLER FS–21	109	110	DUCT SMOKE DETECTOR AHU–4
STAIR #9	17	18	AREA WELL SUPERVISED VALVE SV–8	SECOND FLOOR NORTH EAST WING #2	111	112	DUCT SMOKE DETECTOR AHU–5
STAIR #10	19	20	AREA WELL PRESSURE SWITCH PS–2	SECOND FLOOR NORTH EAST WING #2 SPRINKLER FS–22	113	114	DUCT SMOKE DETECTOR AHU–6
ELEVATOR #1	21	22	BASEMENT GENERATOR SUPERVISED VALVE SV–9	SECOND FLOOR EAST CENTRAL WING	115	116	DUCT SMOKE DETECTOR AHU–7
ELEVATOR #2	23	24	RECEIVING CANOPY SUPERVISED VALVE SV–10	SECOND FLOOR EAST CENTRAL WING – SPRINKLER FS–23	117	118	DUCT SMOKE DETECTOR AHU–8
SERVICE ELEVATOR #3	25	26	RECEIVING CANOPY PRESSURE SWITCH PS–3	SECOND FLOOR SOUTH EAST WING #1	119	120	BEAM SMOKE DETECTOR LOSS OF POWER
ELEVATOR MACHINE ROOM	27	28	LAUNDRY ROOM SUPERVISED VALVE SV–11	SECOND FLOOR SOUTH EAST WING #1 SPRINKLER FS–24	121	122	HILLSDALE ESTATES
BASEMENT	29	30	LAUDRY CHUTE SUPERVISED VALVE SV–12	SECOND FLOOR SOUTH EAST WING #2	123	124	GARDEN GATE PULL STATION
BASEMENT SPRINKLER FS–1	31	32	GROUND FLOOR NORTH EAST WING #1 – SUPERVISED VALVE SV–13	SECOND FLOOR SOUTH EAST WING #2 SPRINKLER FS–25	125	126	DUCT SMOKE DAMPER FOR HRU–1
BASEMENT LAUNDRY CHUTE	33	34	GROUND FLOOR NORTH EAST WING #2 – SUPERVISED VALVE SV–14	SECOND FLOOR CENTRAL WING	127	128	DUCT SMOKE DAMPER FOR HRU–2
BASEMENT LAUNDRY CHUTE – SPRINKLER FS–2	35	36	GROUND FLOOR EAST CENTRAL WING – SUPERVISED VALVE SV–15	SECOND FLOOR CENTRAL WING – SPRINKLER FS–26	129	130	SPARE
BASEMENT AREA WELL SPRINKLER FS–3	37	38	GROUND FLOOR SOUTH EAST WING #1 – SUPERVISED VALVE SV–16	SECOND FLOOR NORTH WEST WING #1	131	132	SPARE
BASEMENT GENERATOR	39	40	GROUND FLOOR SOUTH EAST WING #2 – SUPERVISED VALVE SV–17	SECOND FLOOR NORTH WEST WING #1 – SPRINKLER FS–27	133	134	SPARE
BASEMENT GENERATOR – SPRINKLER FS–4	41	42	GROUND FLOOR CENTRAL WING – SUPERVISED VALVE SV–18	SECOND FLOOR NORTH WEST WING #2	135	136	SPARE
RECEIVING AREA CANOPY SPRINKLER FS–5	43	44	GROUND FLOOR KITCHEN – SUPERVISED VALVE SV–19	SECOND FLOOR NORTH WEST WING #2 – SPRINKLER FS–28	137	138	SPARE
LAUNDRY ROOM	45	46	GROUND FLOOR GARBAGE CHUTE – SUPERVISED VALVE SV–20	SECOND FLOOR WEST CENTRAL WING	139	140	SPARE
LAUNDRY ROOM – SPRINKLER FS–6	47	48	GROUND FLOOR NORTH WEST WING #1– SUPERVISED VALVE SV–21	SECOND FLOOR WEST CENTRAL WING – SPRINKLER FS–29	141	142	SPARE
LAUNDRY CHUTE	49	50	GROUND FLOOR NORTH WEST WING #2– SUPERVISED VALVE SV–22	SECOND FLOOR SOUTH WEST WING #1	143	144	SPARE
LAUNDRY CHUTE SPRINKLER FS–7	51	52	GROUND FLOOR WEST CENTRAL WING – SUPERVISED VALVE SV–23	SECOND FLOOR SOUTH WEST WING #1 – SPRINKLER FS–30	145	146	SPARE
GROUND FLOOR NORTH EAST WING #1	53	54	GROUND FLOOR SOUTH WEST WING #1– SUPERVISED VALVE SV–24	SECOND FLOOR SOUTH WEST WING #2	147	148	SPARE
GROUND FLOOR NORTH EAST WING #1 – SPRINKLER FS–8	55	56	GROUND FLOOR SOUTH WEST WING #2– SUPERVISED VALVE SV–25	SECOND FLOOR SOUTH WEST WING #2 – SPRINKLER FS–31	149	150	SPARE
GROUND FLOOR NORTH EAST WING #2	57	58	SECOND FLOOR NORTH EAST WING #1 – SUPERVISED VALVE SV–26	THIRD FLOOR CENTRAL WING	151	152	SPARE
GROUND FLOOR NORTH EAST WING #2 – SPRINKLER FS–9	59	60	SECOND FLOOR NORTH EAST WING #2 – SUPERVISED VALVE SV–27	THIRD FLOOR CENTRAL WING – SPRINKLER FS–32	153	154	SPARE
GROUND FLOOR EAST CENTRAL WING	61	62	SECOND FLOOR EAST CENTRAL WING – SUPERVISED VALVE SV–28	THIRD FLOOR – BOILER ROOM	155	156	SPARE
GROUND FLOOR EAST CENTRAL WING – SPRINKLER FS–10	63	64	SECOND FLOOR SOUTH EAST WING #1– SUPERVISED VALVE SV–29	THIRD FLOOR – BOILER ROOM – SPRINKLER FS–33	157	158	SPARE
GROUND FLOOR – SOUTH EAST WING #1	65	66	SECOND FLOOR SOUTH EAST WING #2– SUPERVISED VALVE SV–30	ATRIUM – SMOKE BEAM DETECTOR	159	160	SPARE
GROUND FLOOR – SOUTH EAST WING #1 – SPRINKLER FS–11	67	68	SECOND FLOOR CENTRAL WING – SUPERVISED VALVE SV–31	ATRIUM – SPRINKLER FS–34	161	162	SPARE
GROUND FLOOR – SOUTH EAST WING #2	69	70	SECOND FLOOR NORTH WEST WING #1 – SUPERVISED VALVE SV–32	ATRIUM – FIRE SHUTTER	163	164	SPARE
GROUND FLOOR – SOUTH EAST WING #2 – SPRINKLER FS–12	71	72	SECOND FLOOR NORTH WEST WING #2 – SUPERVISED VALVE SV–33	ATRIUM – COOLING TOWER	165	166	SPARE
GROUND FLOOR CENTRAL WING	73	74	SECOND FLOOR WEST CENTRAL WING – SUPERVISED VALVE SV–34	ATRIUM – COOLING TOWER – SPRINKLER FS–35	167	168	SPARE
GROUND FLOOR CENTRAL WING – SPRINKLER FS–13	75	76	SECOND FLOOR SOUTH WEST WING #1– SUPERVISED VALVE SV–35	THIRD FLOOR NORTH WEST WING #1	169	170	SPARE
GROUND FLOOR – KITCHEN – SPRINKLER FS–14	77	78	SECOND FLOOR SOUTH WEST WING #2– SUPERVISED VALVE SV–36	THIRD FLOOR NORTH WEST WING #1 – SPRINKLER FS–36	171	172	SPARE
GROUND FLOOR – KITCHEN FIRE SUPPRESSION PANEL	79	80	THIRD FLOOR CENTRAL WING – SUPERVISED VALVE SV–37	THIRD FLOOR NORTH WEST WING #2	173	174	SPARE
GROUND FLOOR – SOILED LINEN UTILITY	81	82	THIRD FLOOR BOILER ROOM SUPERVISED VALVE SV–38	THIRD FLOOR NORTH WEST WING #2 – SPRINKLER FS–37	175	176	SPARE
GROUND FLOOR – GARBAGE CHUTE	83	84	ATRIUM SUPERVISED VALVE SV–39	THIRD FLOOR WEST CENTRAL WING	177	178	SPARE
GROUND FLOOR – GARBAGE CHUTE – SPRINKLER FS–15	85	86	ATTIC COOLER TOWER SUPERVISED VALVE SV–40	THIRD FLOOR WEST CENTRAL WING – SPRINKLER FS–38	179	180	SPARE
GROUND FLOOR – NORTH WEST WING #1	87	88	ATTIC COOLER TOWER PRESSURE SWITCH PS–4	THIRD FLOOR SOUTH WEST WING #1	181	182	SPARE
GROUND FLOOR – NORTH WEST WING #1 – SPRINKLER FS–16	89	90	THIRD FLOOR NORTH WEST WING #1 – SUPERVISED SV–41	THIRD FLOOR SOUTH WEST WING #1 – SPRINKLER FS–39	183	184	SPARE
GROUND FLOOR – NORTH WEST WING #2	91	92	THIRD FLOOR NORTH WEST WING #2 – SUPERVISED SV–42	THIRD FLOOR SOUTH WEST WING #2	185	186	SPARE
GROUND FLOOR – NORTH WEST WING #2 – SPRINKLER FS–17	93	94	THIRD FLOOR WEST CENTRAL WING – SUPERVISED SV–43	THIRD FLOOR SOUTH WEST WING #2 – SPRINKLER FS–40	187	188	SPARE

MECHANICAL EQUIPMENT

TO CONTINUE

EQUIPMENT SCHEDULE

UNIT NO.	UNIT NAME	LOCATION	MODEL	SUPPLY FAN				EXHAUST/RETURN FAN				MIN. O.A. L/S (CFM)	VOLTAGE	OPERATING WEIGHT (LB)	HEATING/PREHEAT COIL								COOLING COIL										REHEAT COIL / SMOKE MODE						
				L/S (CFM)	TSP (Pa)	H.P.	RPM	L/S (CFM)	TSP (Pa)	H.P.	RPM				TOT. CAP MBH	GPM	COIL SIZE	ROWS/FPI	ΔP AIR (IN)	WATER P.D. (FT)	EAT DB (°F)	LAT DB (°F)	EWT (°F)	LWT (°F)	TOT. CAP MBH	GPM	COIL SIZE	ROWS/FPI	ΔP AIR (IN)	WATER P.D. (FT)	EAT DB/WB	LAT DB/WB	EWT (°F)	LWT (°F)	TOT. CAP MBH	GPM	COIL SIZE	ROWS/FPI	ΔP AIR (IN)	WATER P.D. (FT)	EAT DB
HRU-1	WEST BEDROOMS	THIRD FLOOR MECH. ROOM	AIRPAK 295	6890 (14600)	1246	20	1624	7881 (16700)	996	20	1303	–	575/3/60	19350	1267	146	2Ø36x59	3/7	0.22	13.5	-10	70	160	140	901	179	1Ø45x35	8/9	0.91	5.4	83.1/73.1	54.6/54.4	44	54	305	32.0	2Ø36x59	1/7	0.13	2.9	55
HRU-2	EAST BEDROOMS	THIRD FLOOR MECH. ROOM	AIRPAK 109	2550 (5400)	1494	10	2834	3530 (7480)	996	10	1932	–	575/3/60	10000	469	54	1Ø45x35	3/8	0.24	5.4	-10	70	160	140	332	65	1Ø45x35	8/8	0.84	6.4	82.4/72.9	54.7/54.5	44	54	114	11.8	1Ø45x35	1/10	0.16	0.4	55
AHU-1	DINING WEST	MECHANICAL ROOM BC06	CAH021	4340 (9200)	964	10	2069	–	–	–	–	1370 (2904)	575/3/60	4260	123.3	15.1	1Ø42x69	1/10	0.15	2.8	46.8	60	160	140	364.5	72.1	1Ø42x69	5/9	0.78	8.4	79.7/66.8	54.4/53.8	44	54	455	30.0	1Ø42x66	1/10	0.15	10.5	-5
AHU-2	CORE WEST	MECHANICAL ROOM BC06	CAH025	5450 (11550)	971	15	1899	–	–	–	–	2902 (6150)	575/3/60	5001	378.3	43.2	2Ø24x70	1/10	0.15	11.2	28.8	60	160	140	549.4	110.6	2Ø24x73	5/9	0.78	13.1	83.2/66.8	54.8/54.3	44	54	579.4	43.2	2Ø24x70	1/10	0.15	11.4	-5
AHU-3	KITCHEN	MECHANICAL ROOM BC06	CAH010	2171 (4600)	921	5	2155	–	–	–	–	240 (500)	575/3/60	3050	286.8	32.8	1Ø27x48	2/9	0.18	5.0	13.0	70.4	160	140	141.4	28.8	1Ø21x51	5/9	0.29	12.3	86.4/72.3	55.1/54.4	44	54	–	–	–	–	–	–	–
AHU-4	LAUNDRY ROOM	MECHANICAL ROOM BC20	CAH006	1320 (2800)	872	5	1570	–	–	–	–	240 (500)	575/3/60	2210	233.1	26.6	1Ø21x36	2/10	0.35	4.0	-5.0	71.1	160	140	116.8	23.1	1Ø15x39	6/10	0.53	14.1	90.0/75.0	54.1/53.8	44	54	–	–	–	–	–	–	–
AHU-5	CENTRE CORE WEST	MECHANICAL ROOM BC06	CAH030	6160 (13050)	1046	20	2100	–	–	–	–	2225 (4714)	575/3/60	5625	242.3	27.6	2Ø24x82	1/10	0.15	5.4	43.0	60	160	140	550.5	107.3	2Ø24x85	6/9	0.61	8.3	80.4/67.4	54.4/53.7	44	54	579.4	45.0	2Ø24x82	1/10	0.15	13.7	-5
AHU-6	CENTRE CORE EAST	MECHANICAL ROOM BC06	CAH025	5500 (11650)	1046	15	1971	–	–	–	–	1158 (2456)	575/3/60	5090	71.6	8.2	2Ø24x70	1/10	0.16	0.5	54.3	60	160	140	398.3	80.3	2Ø24x73	5/10	0.57	7.3	78.2/65.5	54.9/54.0	44	54	577.5	40.0	2Ø24x70	1/10	0.16	10.0	-5
AHU-7	CORE EAST	MECHANICAL ROOM BC06	CAH017	3870 (8200)	971	10	2792	–	–	–	–	1413 (2994)	575/3/60	3726	160.4	18.4	1Ø36x64	1/10	0.16	4.7	40.8	60	160	140	327.5	65.5	1Ø36x67	5/9	0.79	8.7	80.8/67.0	54.6/54.1	44	54	395.4	30.0	1Ø36x64	1/10	0.16	12.2	-5
AHU-8	DINING EAST	MECHANICAL ROOM BC06	CAH008	1815 (3850)	990	5	3101	–	–	–	–	691 (1464)	575/3/60	2485	107.9	9.0	1Ø24x42	1/10	0.19	1.7	40.8	60	160	140	157.6	32.1	1Ø24x45	6/10	0.75	4.3	80.8/67.8	55.0/54.4	44	54	189.2	20.0	1Ø24x42	1/10	0.19	7.6	-5
AHU-9	GARBAGE ROOM	CEILING	FHZA-S30	945 (2000)	ESP 125	1	1012	–	–	–	–	280 (600)	575/3/60	300	41.8	4.8	–	1/–	–	5.0	40.5	60	180	160	87.4	17.4	–	6/–	–	2.1	80.0/67.0	53.2/52.6	44	54	–	–	–	–	–	–	–
AHU-10	RECEIVING AREA	CEILING	FHZA-S08	380 (800)	ESP 125	1/2	1226	–	–	–	–	–	120/1/60	125	–	–	–	-/-	–	–	–	–	–	–	24.3	4.9	–	3/–	–	3.2	80.0/67.0	58.8/57.4	44	54	–	–	–	–	–	–	–
AHU-11	BASEMENT MECHANICAL ROOM	CEILING	CAH006FDAC	1416 (3000)	682	3	–	–	–	–	–	–	575/3/60	1256	60	6.6	–	-/-	0.09	0.7	40	58.5	160	140	90.86	17.2	–	-/-	–	3.5	80.0/67.0	59.6/57.5	44	54	–	–	–	–	–	–	–
FC-1	ATRIUM-CENTRE	CEILING	FHZA1S12	486 (1030)	265	1	1143	–	–	–	–	–	208/1/60	130	47	8.7	1Ø23x15	3/12	–	9.28	88	110	180	160	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RF-1	DINING WEST	BASEMENT	202QMX	–	–	–	–	4340 (9200)	250	5.0	1508	–	575/3/60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RF-2	CORE WEST	BASEMENT	225QMX	–	–	–	–	5500 (11650)	250	5.0	1334	–	575/3/60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RF-3	KITCHEN	BASEMENT	150QMX	–	–	–	–	2171 (4600)	250	2.0	1900	–	575/3/60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RF-4	LAUNDRY ROOM	BASEMENT	150QMX	–	–	–	–	1320 (2800)	250	1.0	1401	–	575/3/60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RF-5	CENTRE CORE WEST	BASEMENT	245QMX	–	–	–	–	5690 (12050)	250	5.0	1216	–	575/3/60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RF-6	CENTRE CORE EAST	BASEMENT	225QMX	–	–	–	–	5425 (11500)	250	5.0	1371	–	575/3/60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RF-7	CORE EAST	BASEMENT	160QMX	–	–	–	–	3800 (8050)	250	3.0	1772	–	575/3/60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RF-8	DINING EAST	BASEMENT	150QMX	–	–	–	–	1820 (3850)	250	1.5	1645	–	575/3/60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RF-11	BASEMENT MECH. ROOM	BASEMENT	150QMX	–	–	–	–	1415 (3000)	250	1.0	1448	–	575/3/60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

NOTES:
-ALL AHU AND HRU UNITS SHALL HAVE TWO DOUBLE RECEPTACLES 120/1/60 FOR SERVICE.

CHILLER SCHEDULE

UNIT NO.	SERVICE MALLE/ MODEL	CAPACITY TONS	USGPM	ΔP FEET	CHW EWT/LWT	COND. EWT/LWT	REFRIG.	RLA/ VOLTS	REMARKS
CH–1	Mc QUAY WDC 050MAE15D/ E2616–RE–2*A/C2216–SLYY–2*A YYY/R134–BBB*	350	840	(EVAP.) 13.8 (COND.) 26.5	54/44	84/93.6	R 134a	137 RLA 575/3/60	CENTRIFUGAL CHILLER C/W DUAL COMPRESSOR CONTROL PANELS, ACCESSORIES REFRIG. MONITORING SYSTEM.

COOLING TOWER

UNIT NO.	SERVICE MALLE/ MODEL	CAPACITY TONS	FLOW USGPM	ΔP FEET	EWT/LWT (°F)	O.A. DB/WB (°F)	HP VOLTS	REMARKS
CT–1	MARLEY PRIMUS P05J–1	350	1050	26.5	93.6/84.0	?/76	25 HP 575/3/60	PACKAGE COOLING TOWER C/W BASE RAIL, 10KW PAN HEATER, DISCH./INLET ATTENUATOR, AL. LADDER, CONTROL PANEL

BOILERS

BOILER SCHEDULE									
UNIT NO.	UNIT NAME	MODEL	MBH (GAS) INPUT	MBH (GAS) OUTPUT	BLOWER H.P.	VOLTAGE	FLOW USGPM	FLUE IN	COMMENTS
B1, 2	DOMESTIC HOT WATER HEATING	ZF-300-W	3000	2550	1	575/3/60	256	12	UNILUX BOILER C/W GAS TRAIN , STD ACCESSORIES INCL. MODULATING CONTROL, LEAD/LAG CONTROLER, EMERGENCY POWER.
B3, 4	HOT WATER HEATING	ZF-500-W	5000	4250	5	575/3/60	425	14	UNILUX BOILER C/W GAS TRAIN , STD ACCESSORIES INCL. MODULATING CONTROL, LEAD/LAG CONTROLER, EMERGENCY POWER.
B5	HUMIDIFIERS	ZF-200-LS	2000	STEAM OUTPUT 1880 LBS/HR 15 PSI	1/2	120/1/60	8 (BY FEEDWATER TANK)	10	UNILUX LOW PRESSURE STEAM BOILER C/W GAS TRAIN , STD ACCESSORIES, FEEDWATER TANK & PUMP, MODULATING BURNER AND CONTROLS.

EQUIPMENT

EQUIPMENT SCHEDULE

UNIT NO.	UNIT NAME	LOCATION	SIZE	L/S (CFM)	MIN. Pa.	UNIT VOLTAGE & PHASE	FAN HP	HEATING MBH		COOLING CAPACITY (MBH)	TONS (NOM.)	FRESH AIR MIN. % (CFM)	REMARKS
								INPUT	OUTPUT				
AC-1A	BASEMENT ELECTRICAL ROOM	WALL	WSP18D	285 (600)	/	208/1/60 EMERGENCY POWER	0.7 AMPS	/	/	/	/	/	LENNOX WALL MOUNTED DUCT-FREE FAN COIL UNIT C/W FILTER, DISCONNECT KIT, CONDENSATE PUMP AND SINGLE POINT WIRING KIT. PROVIDE INTERLOCKING REFRIGERATION PIPING BETWEEN AC-2A AND AC-2B. UNIT ON EMERGENCY POWER.
AC-1B	BASEMENT ELECTRICAL ROOM	LOW ROOF	SCC18D	/	/	208/1/60 EMERGENCY POWER	1/8	/	/	18	1.5	/	LENNOX CONDENSING UNIT C/W LOW AMBIENT CONTROL TO 0°F COOLING ONLY T'STAT. MOUNT UNIT ON 50 CONCRETE PAD. UNIT ON EMERGENCY POWER.
AC-2A	FILE SERVER BC08	WALL	WSP18D	285 (600)	/	208/1/60 EMERGENCY POWER	0.7 AMPS	/	/	/	/	/	LENNOX WALL MOUNTED DUCT-FREE FAN COIL UNIT C/W FILTER, DISCONNECT KIT, CONDENSATE PUMP AND SINGLE POINT WIRING KIT. PROVIDE INTERLOCKING REFRIGERATION PIPING BETWEEN AC-3A AND AC-3B. UNIT ON EMERGENCY POWER.
AC-2B	FILE SERVER BC08	LOW ROOF	SCC18D	/	/	208/1/60 EMERGENCY POWER	1/8	/	/	18	1.5	/	LENNOX CONDENSING UNIT C/W LOW AMBIENT CONTROL TO 0°F COOLING ONLY T'STAT. MOUNT UNIT ON CONCRETE PAD. UNIT ON EMERGENCY POWER.
AC-3A	ELEVATOR MACHINE ROOM	CEILING	CBH17-95V	1415 (3000)	75	575/3/60 EMERGENCY POWER	1	/	/	/	/	/	LENNOX FAN COIL UNIT C/W FILTER, DISCONNECT KIT, CONDENSATE PUMP AND SINGLE POINT WIRING KIT. PROVIDE STRUCTURAL SUPPORT C/W VIBRATION SPRING ISOLATORS. PROVIDE INTERLOCKING REFRIGERATION PIPING BETWEEN AC-4A AND AC-4B. UNIT ON EMERGENCY POWER.
AC-3B	ELEVATOR MACHINE ROOM	LOW ROOF	HS29-090	/	/	575/3/60 EMERGENCY POWER	3/4	/	/	90	7.5	/	LENNOX CONDENSING UNIT C/W COOLING ONLY T'STAT CRANK CASE HEATER, LOW AMBIENT CONTROL TO 0°F FULL PUMP-DOWN RECEIVER AND SWITCH. 50mm CONCRETE PAD. UNIT ON EMERGENCY POWER.
AC-4A	FIRE ALARM 1C18	WALL	WSP18D	285 (600)	/	208/1/60 EMERGENCY POWER	0.7 AMPS	/	/	/	/	/	FOUR LENNOX WALL MOUNTED DUCT-FREE FAN COIL UNITS C/W FILTER, DISCONNECT KIT, CONDENSATE PUMP AND SINGLE POINT WIRING KIT. PROVIDE INTERLOCKING REFRIGERATION PIPING BETWEEN AC-5A-1,2,3,4 AND AC-5B. UNIT ON EMERGENCY POWER.
AC-4B	FIRE ALARM 1C18	LOW ROOF	SCC18D	/	/	208/1/60 EMERGENCY POWER	1/4	/	/	15	1.5	/	LENNOX MULTI-ZONE CONDENSING UNIT C/W FOUR COOLING ONLY T'STATS, CRANK CASE HEATER, AND LOW AMBIENT CONTROL TO 0°F. MOUNT UNIT ON BASE 600mm ABOVE ROOF. 50mm CONCRETE PAD. UNIT ON EMERGENCY POWER.