



***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**

January 6, 2025

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

**Record of Revisions**

<b>Date</b>	<b>Title</b>	<b>Pages</b>	<b>Deleted</b>	<b>Revised</b>
Nov/22	Annual Review			
October/23	Annual Review			
October 24	Annual Review			

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

### **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  
Environmental Services  
Fire Emergency Room  
Nursing Stations – not all  
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.

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

**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:**

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

**Hillsdale Terraces 905-579-3313**

**Administrator:**

**Assistant Administrator:**

**Director of Resident Care:**

**Managers/Supervisors:** Manager Environmental Services  
Supervisor Environmental Services  
Resident Care Coordinator  
Resident Care Coordinator  
Nurse Practitioner  
Manager of Recreation & Therapy  
Director of Food Services  
Supervisor of Food Services  
Supervisor of Food Services



Long-Term Care & Services for Seniors Division



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

### 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.

##### 2<sup>nd</sup> 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.

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

**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.

### **3<sup>rd</sup> 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 2<sup>nd</sup> 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 main entrance 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

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

### **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:**

**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 – 1<sup>st</sup>/main floor – centre wing area.

**Warning Devices:** Horns and strobe lights throughout the building.

**Main Fire Alarm and Annunciator Panel:** Fire Emergency Room – 1<sup>st</sup> 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, 2<sup>nd</sup> floor, and 3<sup>rd</sup> floor.

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

**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 2<sup>nd</sup> and 3<sup>rd</sup> floor, which feed directly to the compactor.

**Electrical Rooms:** Main Electrical Room is located in the basement. Each house on main floor  
2<sup>nd</sup> floor and 3<sup>rd</sup> 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 3<sup>rd</sup> floor. Using centre core stairwell #6 may access penthouse.

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

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

**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

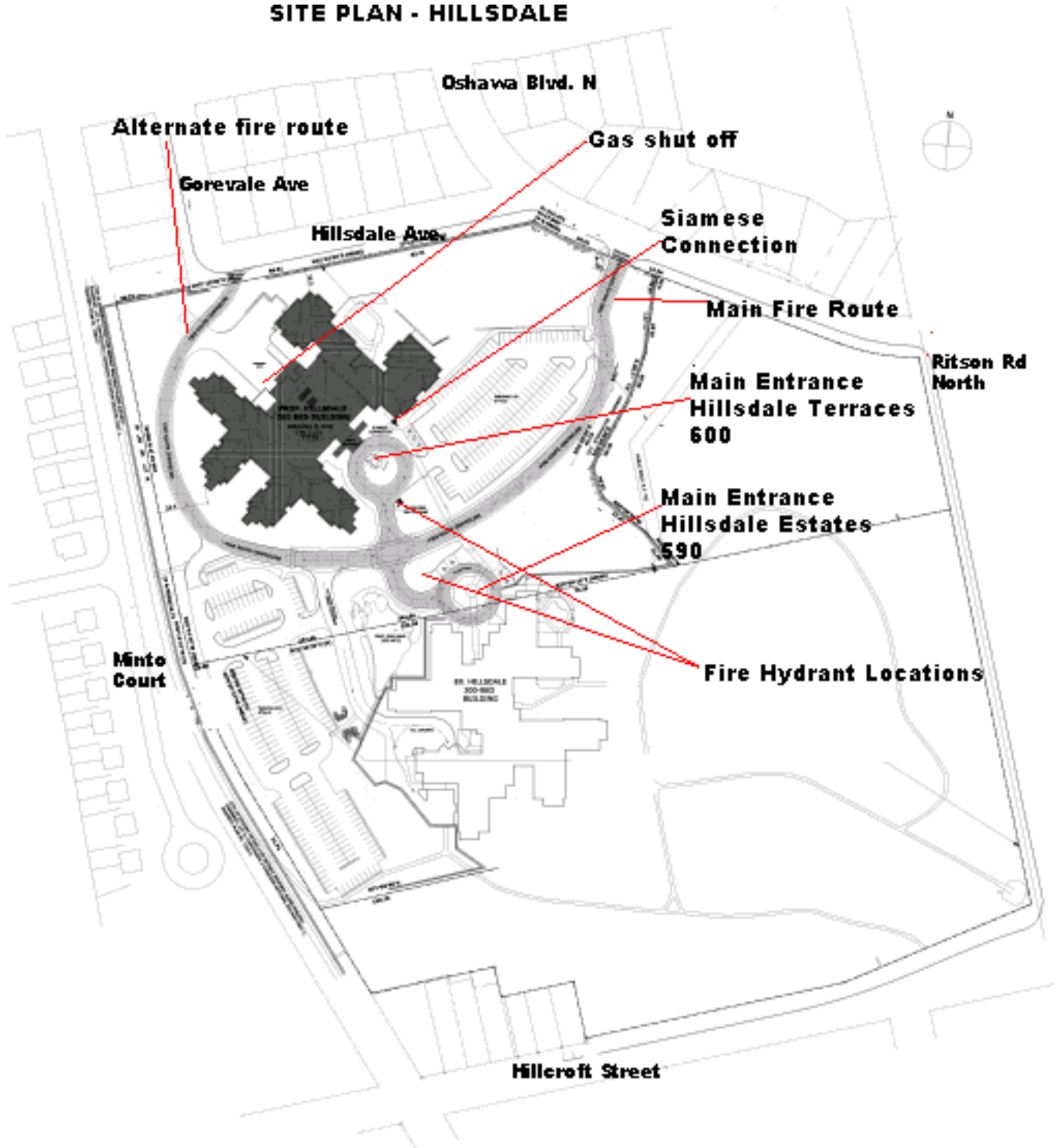
The fire suppression system may be activated by any one of 3 pull stations in the kitchen, which are located at all three exit points. When pulling one of these stations it will activate the fire suppression system, the signal will carry to the fire panel activating the fire alarm system.

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.

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

**SITE PLAN - HILLSDALE**



**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 for ALL Staff:**

**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, or continue to evacuate the fire zone

**Page Location of the Fire**

- Yell Location of fire: e.g. “Code Red-fire”
- Any staff member can pick up any desk phone and press \*007, wait for tone, then push 00 and make the announcement.
- Any staff member can pick up any desk phone and dial 0 – tell receptionist location of the fire and instruct to page across overhead system
- Ensure that the location is paged overhead paging system in either the fire room or the reception desk – (overhead page completed by receptionist or emergency assistant or coordinator)

**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, or continue to evacuate the fire zone

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

**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**

If on break return to designated home area immediately

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

Monitor stairwells and doorways

Listen for page announcing location of the fire

Take direction from the Registered staff on the unit

Reassure residents

Upon hearing the location of the fire scene- each home area is to send ONE PSW (PSW assigned to 1<sup>st</sup> break) to the fire scene

**Code Red Is in Your Area:**

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

**Code Red Is Not in Your Area:**

**All Staff: 1 PSW remains in each House – and patrols the house throughout the alarm until the code “Code Red All Clear” is announced over the telephone paging system**

(On 1<sup>st</sup> and 2<sup>nd</sup> floors, East wings. Monitor the doors and residents. Gather ambulatory Residents in the Activity or Dining Room)

**Remaining Staff:** Proceed Directly to:

1<sup>st</sup> Floor: Command Centre (main entrance) 2<sup>nd</sup>

Floor: Southwest House – Sugar Trail 3<sup>rd</sup>

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**



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

“Code Red” and Specific Location – are announced x3

“Code Red” All Clear” - is announced x3

Help is immediately needed – at the fire scene.

### Code Red Emergency Procedures for PSWs

Upon hearing fire alarm:

- Stop what you are doing
- If on break return to home area immediately
- Take direction from the registered staff member
- Check lights above resident room doors to see if fire is in a resident room on your home area.
- If fire in your home area, follow RACE

If fire is not in your home area:

- Listen for the location of the fire
- Send one PSW (assigned to PSW on 1<sup>st</sup> break ) to go directly to the fire scene to assist with containment and evacuation of fire scene
- Other PSWs should remain on unit - close all doors, remove all carts from hallways
- Secure all doors and stairwells
- Comfort residents
- Listen for potential code green – if called send one more staff member to assist

### Code Red Emergency Procedures for Registered staff

IF fire on your assigned unit

Take direction from the Emergency Coordinator

Assist with evacuation

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

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, 1<sup>st</sup> 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 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> 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 1<sup>st</sup> 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)

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

### **Code Red – Environmental Services**

Mechanical Maintenance may be required to assist with resetting procedures and provide directions to 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

### **Code Red – Business Office and Administration Team**

Receptionist:

Keeps the telephone lines open: “We are having an emergency – call back later”

Page location of fire if instructed by Emergency Assistant

Admin Staff:

Clear the elevator area of residents and visitors and relocate them into the auditorium.

Check all washrooms on main floor

Direct all vehicles away from the driveway/main entrance

Ensure all external doors are supervised

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

### **Emergency Assistant and Emergency Coordinator**

**On all Shifts:**

**EC is the RN on 1<sup>st</sup> 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 RN on 2<sup>nd</sup> Floor (Sugar Trail) who calls 911 and is in charge at the Command Centre (Main Entrance/Reception) (If no RN on Sugar Trail, RN on Ocean View).**

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, and communication is effective.

This location is the back-up Command Centre.

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

### **Emergency Assistant**

#### **As Soon as The Code Red Alarm Is Heard:**

- Calls 911 – portable phone: Reverse- pick up the phone- press .... announces the exact fire location over the telephone paging system Press \*-then press“end” to end the page.
- Ensure you have the walkie talkie as portable phones are not be used
- 1<sup>st</sup> 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
- 2<sup>nd</sup> call – gives the exact location e.g., “Code Red, 3<sup>rd</sup> Floor, Northwest wing, north corridor, Lighthouse Lane”
- announces the exact fire location over the telephone paging system Press \*-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.#)
- 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 Coordinator or 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 2<sup>nd</sup> stage alarm
- Ensures fire zone evacuation is undertaken and completed.
- Works with mechanical maintenance staff
- Works with Oshawa Fire services

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

- 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 (#)
- 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 to 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 –Code Red Fire Safety Plan**

**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
1						
2						
3						
4						
5						
6						
7						
8						
9						
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12						
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30						
31						

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

**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
1						
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**Hillsdale Terraces-600 Oshawa Blvd. North –Code Red Fire Safety Plan**

**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:**




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


**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:\_\_\_\_\_

**Emergency Coordinator:**\_\_\_\_\_ **(signature)**

**Emergency Assistant:**\_\_\_\_\_ **(signature)**

**Date of Report:**\_\_\_\_\_

**Original Report:** To Administrator, Assistant Administrator and Manager of Environmental Services; original report retained in the Code Red/Fire Summary Binder in the Fire Emergency Room.

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

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			
<b>I Mandatory/Critical Incident Description</b>			
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			
<b>II Identifying information</b>			
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			
CONFIDENTIAL - FOR INTERNAL USE ONLY			1 of 4

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.)			
<b>For resident-related occurrences</b>			
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?			
<b>IV Analysis and follow-up</b>			
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)			
CONFIDENTIAL - FOR INTERNAL USE ONLY			3 of 4

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			
<b>III Actions taken</b>			
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)			
CONFIDENTIAL - FOR INTERNAL USE ONLY			2 of 4

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			
CONFIDENTIAL - FOR INTERNAL USE ONLY			4 of 4

### **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

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

### **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

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

### **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 Manager ES

#### **Code Red (Fire) Drills**

Conducted 3 x month – on each shift in different areas of Hillsdale Terraces

Coordinated by the 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 –Code Red Fire Safety Plan**

**Hillsdale Terraces  
600 Oshawa Blvd. North**

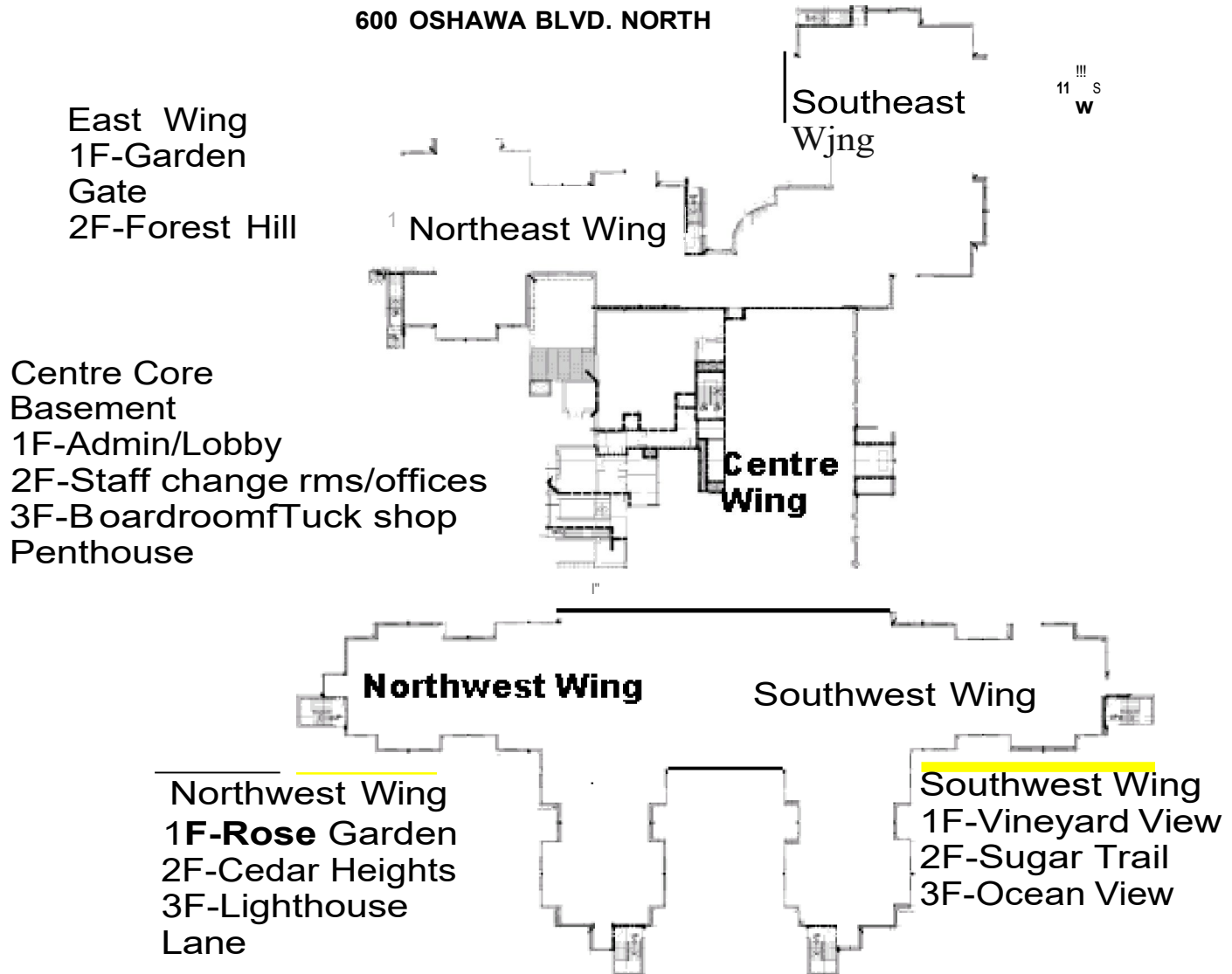
**\*\*Annunciator Panels: Alarm Acknowledge//**

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 2<sup>ND</sup> FL. S/W: CORR.BY RESIDENTS ROOM #201  
SMOKE DETECTOR**

# HILLSDALE TERRACES

600 OSHAWA BLVD. NORTH



# 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".

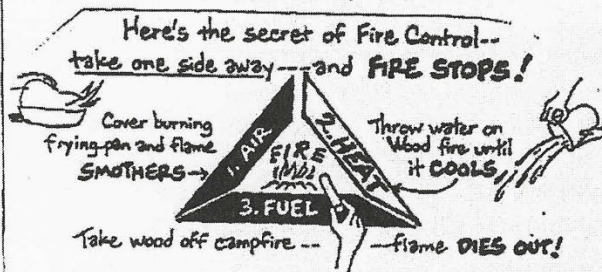
## CLOSE

- 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.







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

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)**

**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.

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

### **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 red area, and turn to off
  - 2) Go to service elevator panel (at service elevator) – insert key (red area) and turn 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 Responsibility Hillsdale  
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. linens and 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

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

- 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

### **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 accordance with 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 pm
  - 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

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

- 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: Licensed Contractor**

- 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: Licensed Contractor**

- 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 so 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 than 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: Licensed Contractor**

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

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

### **5. Annual Inspection: Licensed Contractor**

- 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: Licensed Contractor**

- 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

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

- 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 at all times.

**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, when part 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 smoke detector)

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 Licensed Contractor 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 –Code Red Fire Safety Plan**

**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					
10:00am					
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12:45pm					
1:00pm					
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					
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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 –Code Red Fire Safety Plan**

**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					
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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.

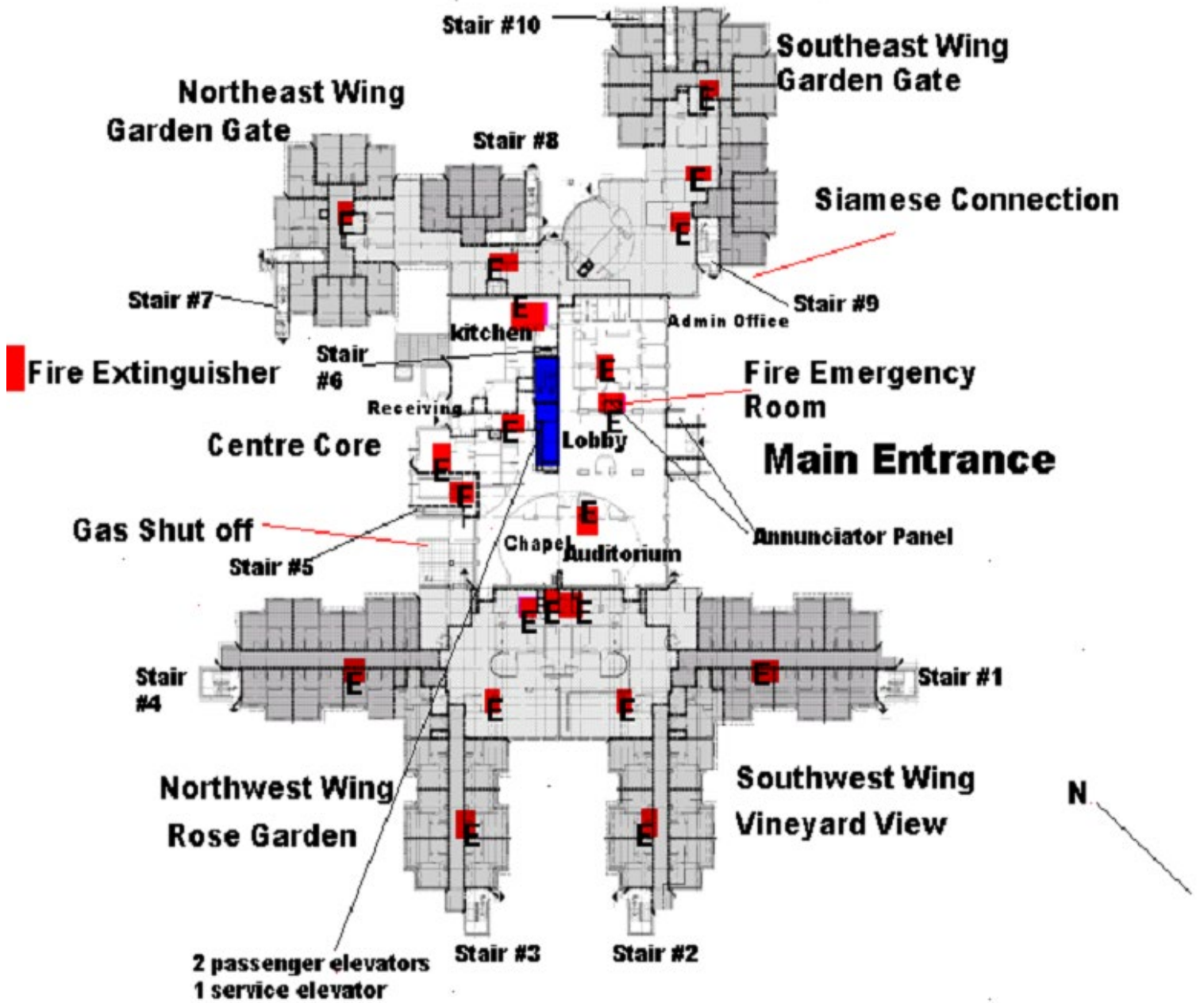
**SECTION 10: SCHEMATICS**

**The following are shown on the attached schematics:**

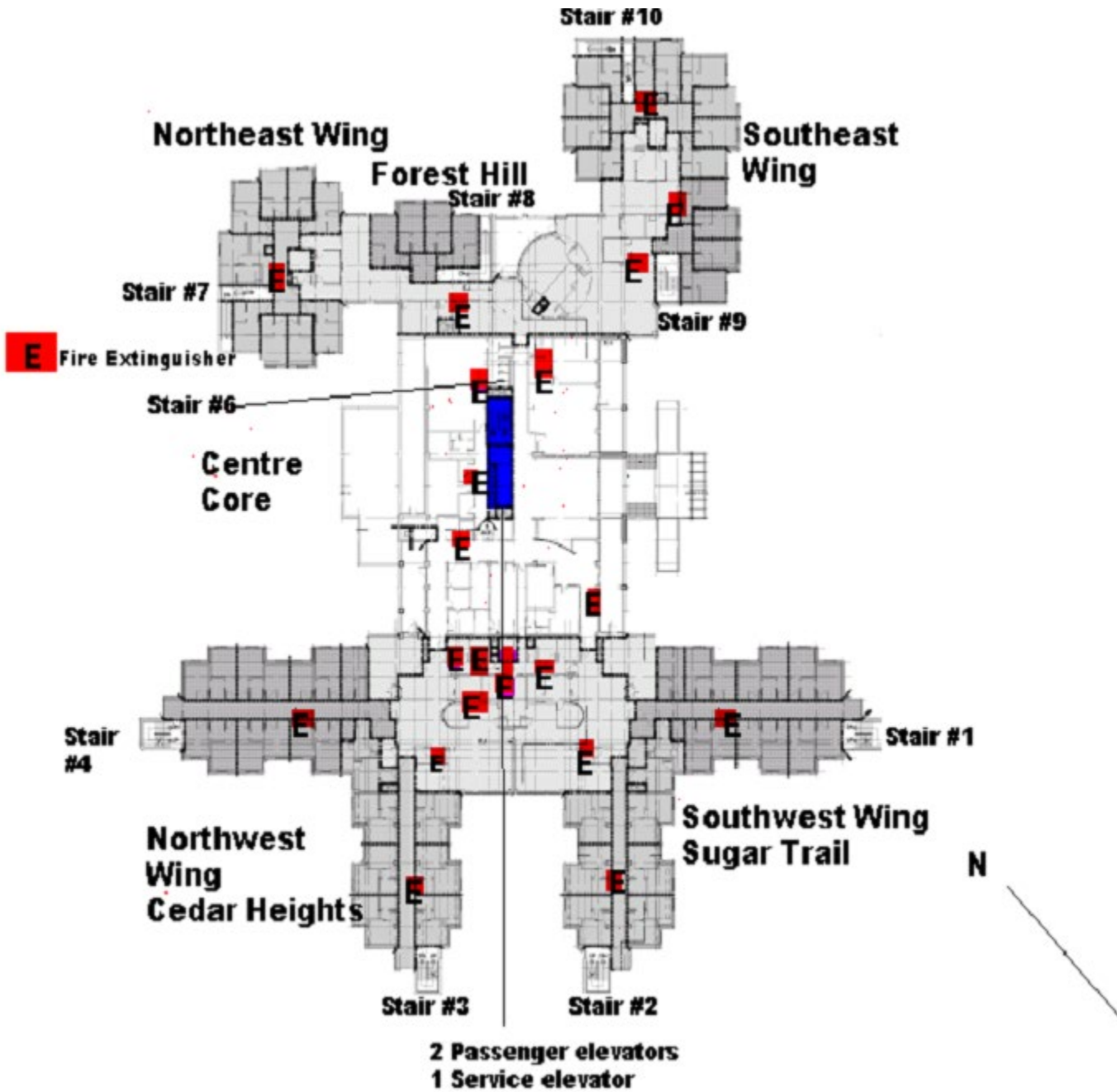
1. fire alarm panel...page 51
2. sprinkler shut-off valves...pages 55,56,57,58
3. fire department Siamese connections...page 55
4. boiler room...page 57
5. electrical panels...page 61-89
6. compactor...page 51
7. all exits
8. gas shut-offs (interior and exterior)...page 51 & 57
9. pull stations
10. Strobe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

**HILLSDALE TERRACES  
MAIN LEVEL 600 Oshawa  
Blvd. N.**

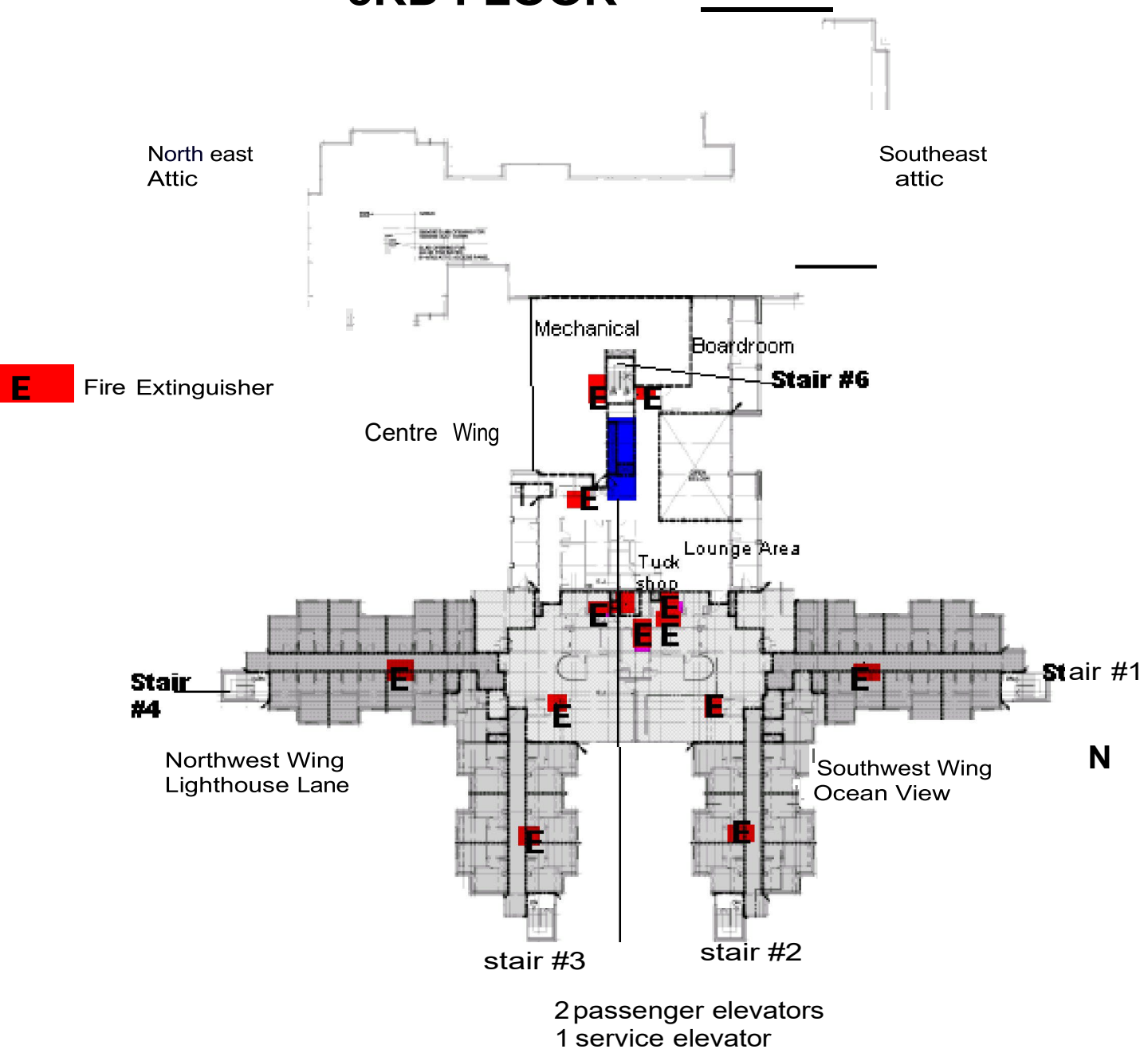
### HILLSDALE TERRACES MAIN LEVEL 600 Oshawa Blvd. N.



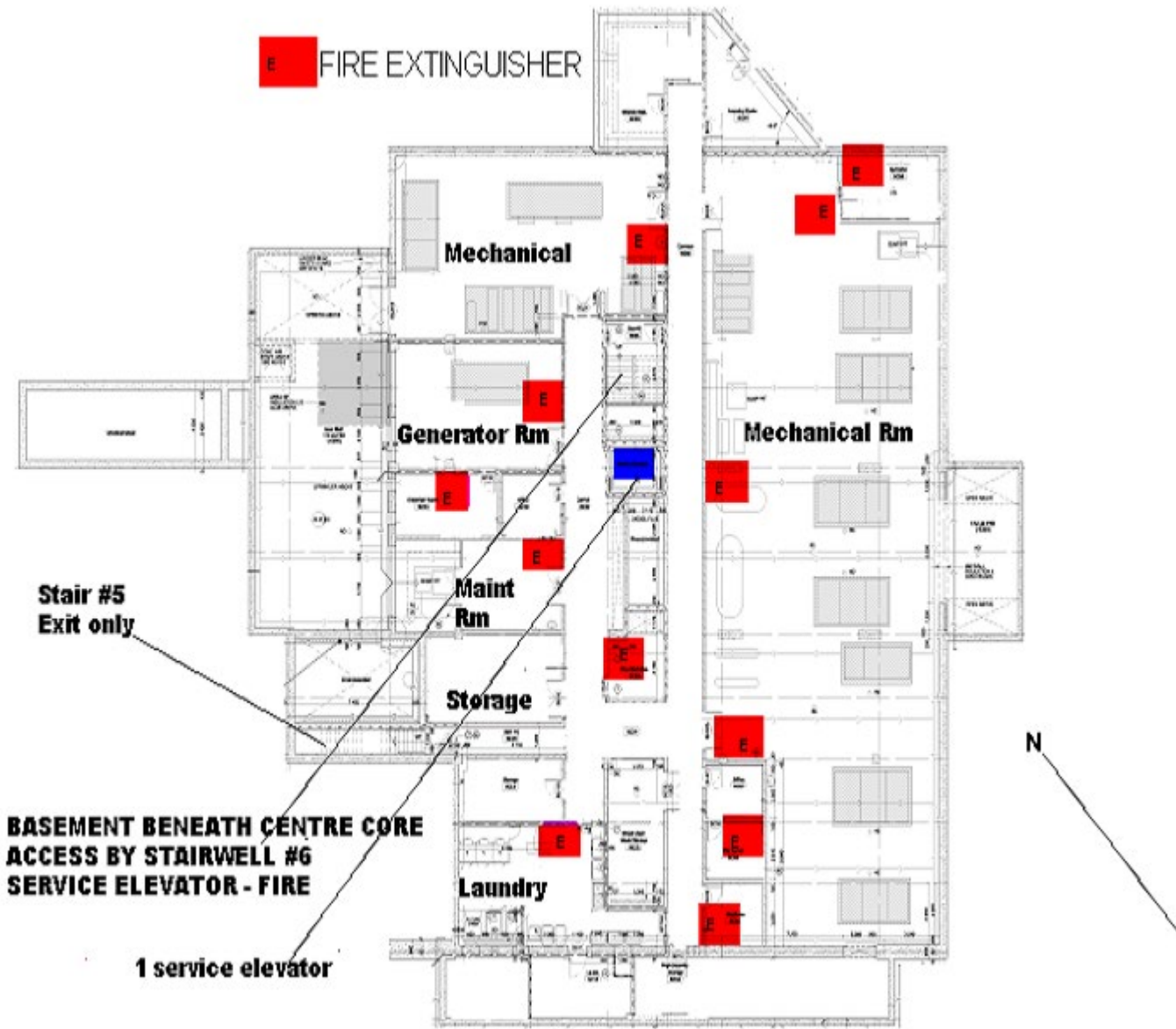
### HILLSDALE TERRACES 2ND LEVEL



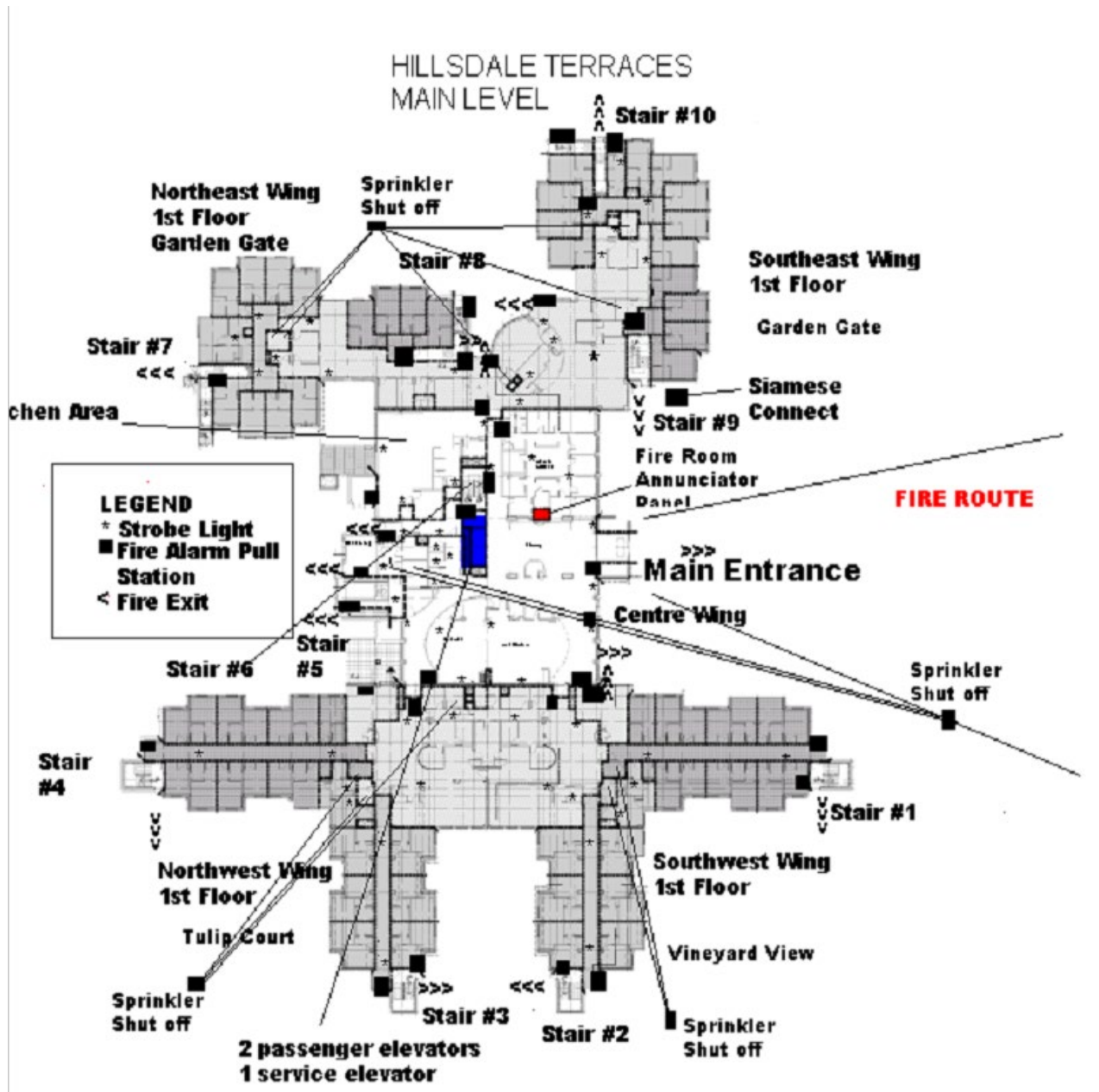
# HILLSDALE TERRACES 3RD FLOOR



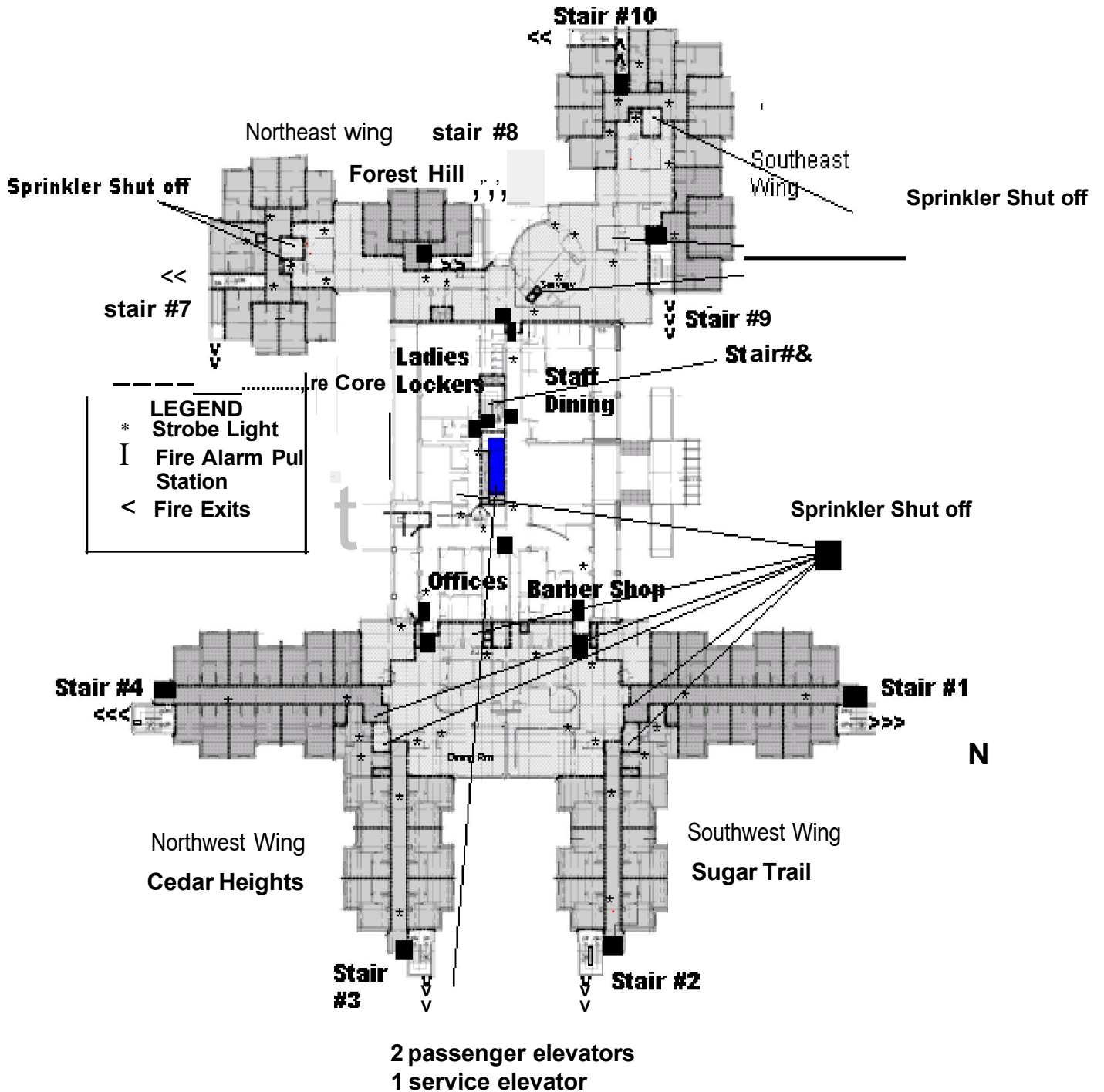
# HILLSDALE TERRACES BASEMENT



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

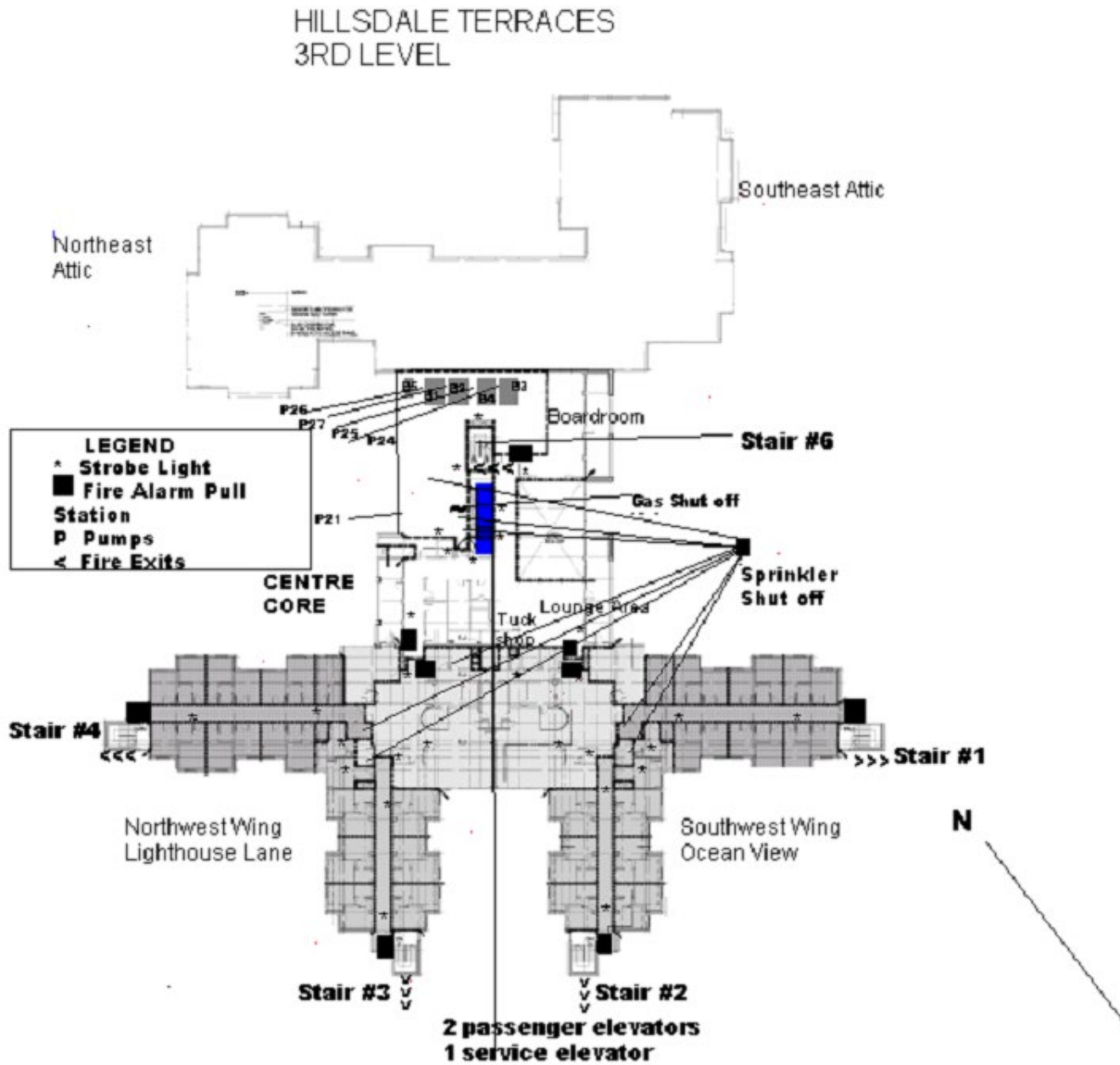


HILLSDALE TERRACES  
2ND LEVEL



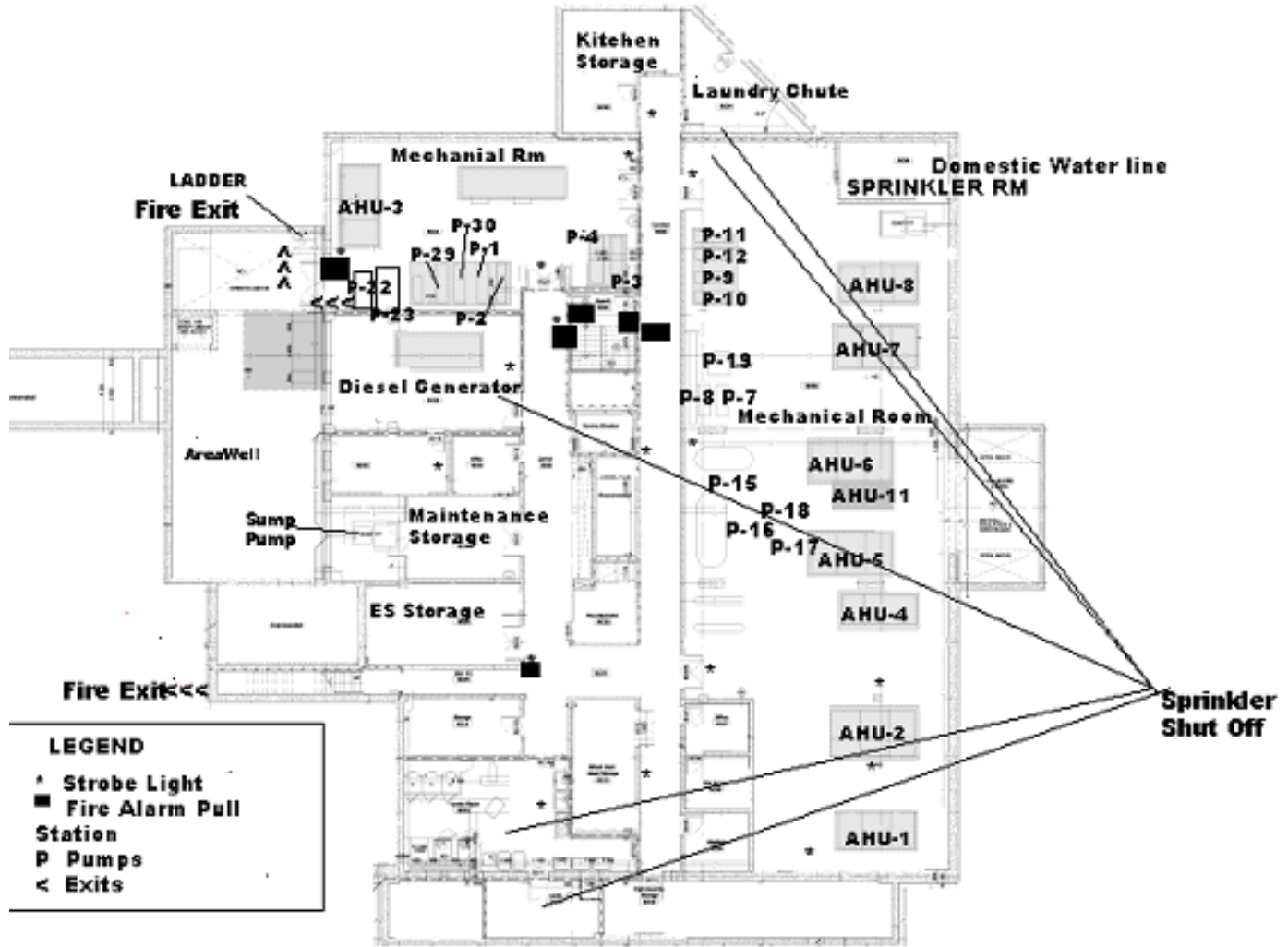


Hillsdale Terraces-600 Oshawa Blvd. North –Code Red Fire Safety Plan

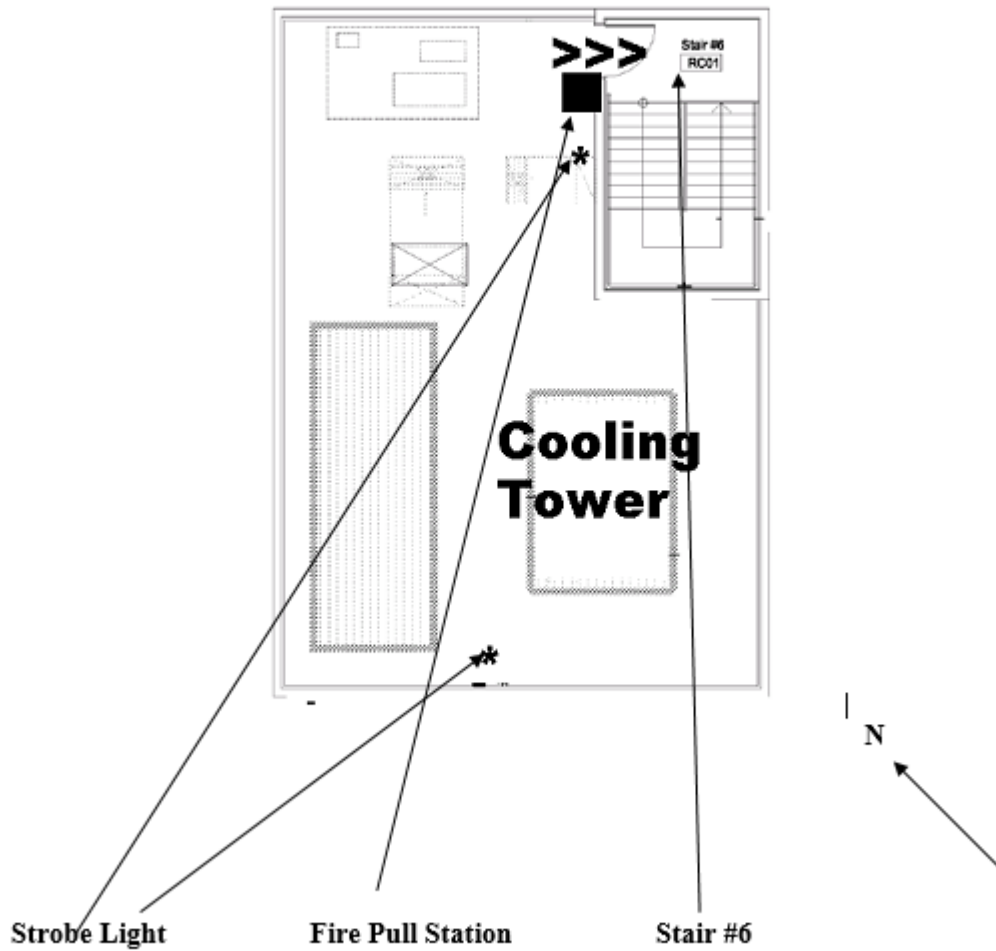


Hillsdale Terraces-600 Oshawa Blvd. North –Code Red Fire Safety Plan

HILLSDALE TERRACES  
BASEMENT



# HILLSDALE TERRACES PENTHOUSE



# **APPENDICES**

**HILLSDALE TERRACES**  
**ELECTRICAL PANEL LOCATIONS**

**Electrical Room Locations**

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

<b>PANEL 'LP-BA'</b>		TYPE: NBLP MAINS: 100 AMPS MOUNTING: SURFACE		LOCATION: HOUSE KEEPING STORAGE BC16			
120Y/208V, 3Ø, 4W							
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							

<b>PANEL 'LP-BB'</b>		TYPE: NBLP MAINS: 100 AMPS MOUNTING: SURFACE		LOCATION: LAUNDRY ROOM BC13			
120Y/208V, 3Ø, 4W							
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
	SPACE	15A	25	26	15A	DRYER	750
	SPACE	15A	27	28	15A	DRYER	750
	SPACE	15A	29	30	15A	CHEMICAL FEED	750
	SPACE	15A	31	32	15A	SPARE	
	SPACE	15A	33	34	15A	SPARE	
	SPACE	15A	35	36	15A	SPARE	
	SPACE	15A	37	38	15A	PRESS	1600
6000	PRESS	40A	39	40	2P		
		2P	41	42	15A	SPARE	
TOTAL CONNECTED LOAD: 27.77 KVA							

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

<b>PANEL 'LP-BC'</b>		TYPE:	NBLP			LOCATION:	
120Y/208V, 3#, 4W		MAINS:	100 AMPS			MECHANICAL ROOM BC06	
		MOUNTING:	SURFACE				
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	IRRIGATION 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							

<b>PANEL 'LP-BD'</b>		TYPE:	NBLP			LOCATION:	
120Y/208V, 3#, 4W		MAINS:	100 AMPS			MECHANICAL ROOM BC21	
		MOUNTING:	SURFACE				
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							

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

PANEL 'LP-1H1'		TYPE: NBLP		LOCATION: HOUSE KEEPING IN43			
120Y/208V, 3ø, 4W		MANS: 100 AMPS					
		MOUNTING: FLUSH					
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	8	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



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

PANEL 'LP-1H2'		TYPE: NBLP		LOCATION: HOUSE KEEPING 1W12			
120Y/208V, 3ø, 4W		MAINS: 100 AMPS					
		MOUNTING: FLUSH					
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							

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

PANEL 'LP-1H3'		TYPE: NBLP		LOCATION: CORRIDOR 1W32			
120V/208V, 3Ø, 4W		MAINS: 225 AMP'S					
		MOUNTING: FLUSH					
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 OPERATOR	800
950	LIGHTING	15A	7	8	15A	DOOR OPERATOR	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
950	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							

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

<b>PANEL 'LP-1H4'</b> 120Y/208V, 3Ø, 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	60A	OVEN	7000
2800	TOASTER	15A	9	10	2P	OVEN	7000
		2P	11	12	50A		
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							

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

PANEL 'LP-1H6'		TYPE: NBLP		LOCATION: STORAGE 1E26			
120Y/208V, 3ø, 4W		MAINS: 225 AMPS					
		MOUNTING: SURFACE					
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
840	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

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

PANEL 'LP-1H7'		TYPE: NBLP		LOCATION: HOUSE KEEPING 1E37			
120Y/208V, 3Ø, 4W		MAINS: 225 AMPS					
		MOUNTING: FLUSH					
LOAD	DESCRIPTION	BREAKER	CIRCUITS	BREAKER	DESCRIPTION	LOAD	
1440	LIGHTING	20A	1	2	GFI RECEPTACLE	300	
1280	LIGHTING	15A	3	4	RECEPTACLE	400	
1000	LIGHTING	15A	5	6	BED RECEPTACLE	400	
1200	LIGHTING	15A	7	8	RECEPTACLE	600	
1200	LIGHTING	15A	9	10	RECEPTACLE	600	
1200	LIGHTING	15A	11	12	GFI RECEPTACLE	300	
800	LIGHTING	15A	13	14	RECEPTACLE	400	
800	LIGHTING	15A	15	16	BED RECEPTACLE	400	
	SPARE	15A	17	18	RECEPTACLE	600	
	SPARE	15A	19	20	RECEPTACLE	600	
	SPARE	15A	21	22	RECEPTACLE	300	
	SPARE	15A	23	24	GFI RECEPTACLE	300	
	SPARE	15A	25	26	BED RECEPTACLE	200	
	SPARE	15A	27	28	GFI RECEPTACLE	300	
	SPARE	15A	29	30	GFI RECEPTACLE	300	
	SPARE	15A	31	32	RECEPTACLE	400	
	SPACE		33	34	BED RECEPTACLE	300	
	SPACE		35	36	RECEPTACLE	600	
	SPACE		37	38	RECEPTACLE	600	
	SPACE		39	40	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: 28.82 KVA  
TYPICAL FOR PANEL LP-2H7 LOCATED IN HOUSE KEEPING 2E37

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

PANEL 'LP-1A'		TYPE: NBLP		LOCATION: STORAGE 1C29		
120Y/208V, 3ø, 4W		MAINS: 225 AMPS				
		MOUNTING: SURFACE				
LOAD	DESCRIPTION	BREAKER	CIRCUITS	BREAKER	DESCRIPTION	LOAD
1050	LIGHTING	20A	1	2	15A RECEPTACLE	400
1010	LIGHTING	15A	3	4	15A RECEPTACLE	800
1380	LIGHTING	20A	5	6	15A RECEPTACLE	600
940	LIGHTING	15A	7	8	15A RECEPTACLE	600
1140	LIGHTING	15A	9	10	15A RECEPTACLE	800
1200	LIGHTING	15A	11	12	15A RECEPTACLE	800
	SPARE	15A	13	14	15A RECEPTACLE	800
	SPARE	15A	15	16	15A RECEPTACLE	300
	SPARE	15A	17	18	15A RECEPTACLE	300
	SPARE	15A	19	20	15A PROJECTOR	800
	SPARE	15A	21	22	15A O/H SCREEN	800
	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	800
	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	800
	SPACE		47	48	15A GFI RECEPTACLE	800
	SPACE		49	50	15A GFI RECEPTACLE	800
	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	800
	SPACE		59	60	SPACE	
TOTAL CONNECTED LOAD: 28.72 KVA						

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

<b>PANEL 'LP-1B'</b> 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							
<b>NOTES</b> 1. PANEL SHALL BE COMPLETE WITH BUILT-IN 100A, 3P CONTACTOR, KEY OPERATED ON/OFF SWITCH, PILOT, CONTROL TRANSFORMER AND REMOTE PILOT LIGHT.							

<b>PANEL 'LP-1C'</b> 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	600
	SPACE		19	20	15A	RECEPTACLES	400
	SPACE		21	22	15A	GFI RECEPTACLES	300
	SPACE		23	24	15A	GFI RECEPTACLES	300
	SPACE		25	26	GFI 15A	SPLIT RECEPTACLES	1000
	SPACE		27	28	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							

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

PANEL 'LP-10'		TYPE: NBLP		LOCATION: WEST 1C45			
120Y/208V, 3Ø, 4W		MAINS: 225 AMPS					
		MOUNTING: FLUSH					
LOAD	DESCRIPTION	BREAKER	CIRCUITS	BREAKER	DESCRIPTION	LOAD	
1220	LIGHTING	15A	1	2	GFI 15A	RECEPTACLE	1000
800	LIGHTING	15A	3	4	GFI 15A	BLENDER	1200
	SPARE	15A	5	5	GFI	FOOD PROCESSOR	1000
	SPARE	15A	7	8	15A		
	SPARE	15A	9	10	3P		
	SPARE	15A	11	12	GFI 15A		
	SPARE	15A	13	14	GFI 15A	RECEPTACLE	600
	SPARE	15A	15	16	15A	MIXER	1100
	SPARE	15A	17	18	80A	COMBI OVEN	22000
	SPACE		19	20			
	SPACE		21	22	3P		
	SPACE		23	24	15A	HOOD OWEN	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



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

PANEL 'LP-1F'		TYPE: NBLP		LOCATION: WEST 1C41			
120Y/208V, 3ø, 4W		MAINS: 100 AMPS					
		MOUNTING: SURFACE					
LOAD	DESCRIPTION	BREAKER	CIRCUITS	BREAKER	DESCRIPTION	LOAD	
580	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-10	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'		TYPE: NBLP		LOCATION: CORRIDOR 2G22			
120Y/208V, 3ø, 4W		MAINS: 100 AMPS					
		MOUNTING: FLUSH					
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							

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

PANEL 'LP-2B'		TYPE: NBLP		LOCATION: STAFF SERVERY 2C04			
120Y/208V, 3#, 4W		MAINS: 100 AMPS					
		MOUNTING: FLUSH					
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	25	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'		TYPE: NBLP		LOCATION: CORRIDOR #2C12			
120Y/208V, 3#, 4W		MAINS: 100 AMPS					
		MOUNTING: FLUSH					
LOAD	DESCRIPTION	BREAKER	CIRCUITS	BREAKER	DESCRIPTION	LOAD	
850	LIGHTING	15A	1	2	15A	IG RECEPTACLE	600
680	LIGHTING	15A	3	4	15A	IG RECEPTACLE	600
670	LIGHTING	15A	5	6	15A	RECEPTACLE	400
600	LIGHTING	15A	7	8	15A	RECEPTACLE	400
980	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	SPLIT RECEPTACLE	1000
	SPACE		25	28	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	SPLIT RECEPTACLE	15A	39	40	15A	GFI RECEPTACLE	300
		2P	41	42	15A	GFI RECEPTACLE	300
TOTAL CONNECTED LOAD: 13.15 KVA							

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

PANEL 'LP-3A'		TYPE: NBLP		LOCATION: MECHANICAL ROOM #3C18			
120Y/208V, 3Ø, 4W		MAINS: 100 AMPS					
		MOUNTING: SURFACE					
LOAD	DESCRIPTION	BREAKER	CIRCUITS	BREAKER	DESCRIPTION	LOAD	
1000	LIGHTING	15A	1	2	15A	GF RECEPTACLE	600
1000	LIGHTING	15A	3	4	30A	HAND DRYER	2000
980	LIGHTING	15A	5	6	15A	GF 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	GF RECEPTACLE	300
480	LIGHTING	15A	21	22	15A	GF 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	SPLIT 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	GF 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

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

PANEL 'LP-3B'		TYPE: NBLP		LOCATION: TUCK SHOP STORAGE			
120Y/208V, 3Ø, 4W		MAINS: 100 AMPS					
		MOUNTING: SURFACE					
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	SPILT RECEPTACLE	1000
	SPACE		17	18	15A		
	SPACE		19	20	2P		
	SPACE		21	22	15A	IG RECEPTACLE	600
	SPACE		23	24	15A	SPARE	
TOTAL CONNECTED LOAD: 5.79 KVA							

PANEL 'LP-3C'		TYPE: NBLP		LOCATION: MECHANICAL ROOM #3C18			
120Y/208V, 3Ø, 4W		MAINS: 225 AMPS					
		MOUNTING: SURFACE					
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 SOFTENER	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	31	32	15A	EF-9	600
		30A	33	34	30A	ICE STOP CONTROLLER	200
		2P					
5000	GUTTER ICE STOP CABLE	GFI	35	36	GFI 15A	RECEPTACLE	600
		30A	37	38	15A	SPARE	
		2P					
5000	GUTTER ICE STOP CABLE	GFI	39	40	15A	SPARE	
		30A	41	42	15A	SPARE	
		2P					
TOTAL CONNECTED LOAD: 10 KVA							

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<b>PANEL 'LP-S'</b> 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	3564
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							

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PANEL 'LP-1E1'		TYPE: NBLP		LOCATION: HOUSE KEEPING #1W43			
120Y/208V, 3Ø, 4W		MAINS: 100 AMPS					
		MOUNTING: FLUSH					
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							

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

<b>PANEL 'LP-1E2'</b> 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. 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	
<b>TOTAL CONNECTED LOAD: 9.67 KVA</b>							
TYPICAL FOR PANEL LP-2E2 LOCATED IN HOUSEKEEPING 2W12 TYPICAL FOR PANEL LP-3E2 LOCATED IN HOUSEKEEPING 3W12							

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

<b>PANEL 'LP-1E3'</b>		TYPE: NBLP		LOCATION: CORRIDOR #1W32			
120Y/208V, 3ø, 4W		MAINS: 225 AMPS					
		MOUNTING: FLUSH					
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	
<b>TOTAL CONNECTED LOAD: 51.41KVA</b>							
TYPICAL FOR PANEL LP-2E3 LOCATED IN COORDIOR #2W32							
TYPICAL FOR PANEL LP-3E3 LOCATED IN CORRIDOR #3W32							



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

<b>PANEL 'LP-1E4'</b> 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	RETERM UNIT	6500
	SPARE	15A	19	20			
	SPARE	15A	21	22	3P		
	SPARE	15A	23	24	20A		
	SPACE		25	26		RETERM UNIT	6500
	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							

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

PANEL 'LP-2E4'		TYPE: NBLP		LOCATION: STAFF SERVERY #2C04			
120Y/208V, 3Ø, 4W		MAINS: 100 AMPS					
		MOUNTING: FLUSH					
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'		TYPE: NBLP		LOCATION: MECHANICAL ROOM #3C18			
120Y/208V, 3Ø, 4W		MAINS: 100 AMPS					
		MOUNTING: SURFACE					
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							

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

<b>PANEL 'LP-1E5'</b> 120Y/208V, 3#, 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							

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

<b>PANEL 'LP-3E5'</b>		TYPE: NBLP		LOCATION: MECHANICAL ROOM #3C18			
120Y/208Y, 3ø, 4W		MAINS: 100 AMPS	MOUNTING: SURFACE				
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							

<b>PANEL 'LP-1E6'</b>		TYPE: NBLP		LOCATION: STORAGE #1E26			
120Y/208Y, 3ø, 4W		MAINS: 225 AMPS	MOUNTING: SURFACE				
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
980	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	RETERM	7000
	SPACE		25	26			
	SPACE		27	28	3P		
	SPARE	15A	29	30	20A	RETERM	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							

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

<b>PANEL 'LP-1E7'</b>		TYPE: NBLP		LOCATION: SOLID UTILITY #1E46		
120V/208V, 3Ø, 4W		MAINS: 100 AMPS				
		MOUNTING: FLUSH				
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 GR 15A	DOOR ACCESS CONTROL PANEL	300
	SPARE	15A	11	12 15A	GF RECEPTACLE	300
	SPARE	15A	13	14 15A	RECEPTACLE	300
	SPARE	15A	15	16 15A	RECEPTACLE	500
	SPARE	15A	17	18 15A	GF 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	38	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						

<b>PANEL 'LP-1E8'</b>		TYPE: NBLP		LOCATION: GENERAL OFFICE #1C15		
120V/208V, 3Ø, 4W		MAINS: 100 AMPS				
		MOUNTING: FLUSH				
LOAD	DESCRIPTION	BREAKER	CIRCUITS	BREAKER	DESCRIPTION	LOAD
100	EXIT SIGN	15A	1	2 15A	RECEPTACLE	600
1180	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						

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

<b>PANEL 'LP-2E8'</b>		TYPE: NBLP		LOCATION: CORRIDOR #2C12		
120Y/208V, 3Ø, 4W		MAINS: 100 AMPS				
		MOUNTING: FLUSH				
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	
<b>TOTAL CONNECTED LOAD: 8.04 KVA</b>						

<b>PANEL 'LP-1E9'</b>		TYPE: CDP		LOCATION: VEST. #1C45		
120Y/209V, 3Ø, 4W		MAINS: 400 AMPS				
		MOUNTING: FLUSH				
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 100A	29	30		
		3P	31	32 3P		
	SPARE	15A	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
<b>TOTAL CONNECTED LOAD: 86.32 KVA</b>						

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

PANEL 'LP-E'		TYPE: NBLP		LOCATION: DIESEL GENERATOR #BC20			
120Y/208V, 3Ø, 4W		MOUNTING: SURFACE					
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	800
		3P	29	30	15A	SPARE	
TOTAL CONNECTED LOAD: 11.65KVA							

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

PANEL 'LP-8E1'		TYPE: NBLP		LOCATION: HOUSEKEEPING STORAGE #BC16			
120Y/208Y, 3Ø, 4W		MAINS: 225 AMPS					
		MOUNTING: SURFACE					
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



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

<b>PANEL 'LP-BE2'</b> 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 //11 SPRINKLER FS-21	109	110	DUCT SMOKE DETECTOR AHU-4		
STAIR #9	17	18	AREA WELL SUPERVISED VALVE SV-6	SECOND FLOOR NORTH EAST WING //12	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-6		
SERVICE ELEVATOR 113	25	26	RECEIVING CANOPY PRESSURE SWITCH PS-3	SECOND FLOOR SOUTH EAST WING //11	119	120	BEAM SMOKE DETECTOR LOSS OF POWER		
ELEVATOR MACHINE ROOM	27	28	LAUNDRY ROOM SUPERVISED VALVE SV-11	SECOND FLOOR SOUTH EAST WING //11 SPRINKLER FS-24	121	122	HILLSDALE ESTATES		
BASEMENT	29	30	LAUNDRY CHUTE SUPERVISED VALVE SV-12	SECOND FLOOR SOUTH EAST WING //12	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 //12 - 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 //12 - 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 //12 - 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 //11- SUPERVISED VALVE SV-21	SECOND FLOOR WEST CENTRAL WING - SPRINKLER FS-29	141	142	SPARE		
LAUNDRY CHUTE	49	50	GROUND FLOOR NORTH WEST WING //12- SUPERVISED VALVE SV-22	SECOND FLOOR SOUTH WEST WING //11	143	144	SPARE		
LAUNDRY CHUTE SPRINKLER FS-7	51	52	GROUND FLOOR WEST CENTRAL WING - SUPERVISED VALVE SV-23	SECOND FLOOR SOUTH WEST WING //11 - 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 //11 - SPRINKLER FS-8	55	56	GROUND FLOOR SOUTH WEST WING //12- SUPERVISED VALVE SV-25	SECOND FLOOR SOUTH WEST WING //12 - SPRINKLER FS-31	149	150	SPARE		
GROUND FLOOR NORTH EAST WING //12	57	58	SECOND FLOOR NORTH EAST WING //11 - SUPERVISED VALVE SV-28	THIRD FLOOR CENTRAL WING	157	158	SPARE		
GROUND FLOOR NORTH EAST WING #2 - SPRINKLER FS-9	59	60	SECOND FLOOR NORTH EAST WING //12 - 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	1:1:1	1:1:6	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 //12- 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-55	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 //12	173	174	SPARE		
GROUND FLOOR - SOILED LINEN UTILITY	81	82	THIRD FLOOR BOILER ROOM SUPERVISED VALVE SV-38	THIRD FLOOR NORTH WEST WING //12 - 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 //1,1 - SPRINKLER FS-16	89	90	THIRD FLOOR NORTH WEST WING //1,1 - SUPERVISED SV-41	THIRD FLOOR SOUTH WEST WING #1 - SPRINKLER FS-39	183	184	SPARE		
GROUND FLOOR - NORTH WEST WING //12	91	92	THIRD FLOOR NORTH WEST WING //2 - SUPERVISED SV-42	THIRD FLOOR SOUTH WEST WING //12	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		

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

## MECHANICAL EQUIPMENT

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 MOSE																		
				L/S (CFM)	TSP (Pa)	H.P.	HPM	L/S (CFM)	TSP (Pa)	H.P.	HPM				TOT. CAP (MBH)	GPM	COIL SIZE	ROWS/FR	AP AIR (IN)	WATER P.D. (FT)	EAT DB (°F)	LAT DB (°F)	LWT (°F)	LWT (°F)	TOT. CAP (MBH)	GPM	COIL SIZE	ROWS/FR	AP AIR (IN)	WATER P.D. (FT)	EAT DB (°F)	LAT DB (°F)									
880-1	WEST BEDROOMS	THRD FLOOR MECH. ROOM	APPAK 298	6800 (14800)	1245	20	1624	7881 (16100)	990	20	1303	-	575/3/90	19258	1267	146	2836x59	3/7	0.22	13.5	-10	78	180	140	901	139	1845x30	8/9	0.81	5.4	63.1/73.1	54.8/54.4	44	54	320	32.0	2836x59	1/7	0.13	2.9	50
880-2	EAST BEDROOMS	THRD FLOOR MECH. ROOM	APPAK 108	3300 (5400)	1484	10	2634	2030 (1480)	990	10	1932	-	575/3/90	10300	489	54	1845x35	3/8	0.24	5.4	-10	78	180	140	302	65	1845x30	8/9	0.84	6.4	62.4/72.9	54.7/54.5	44	54	114	11.8	1845x35	1/10	0.18	0.4	50
AU-1	DINING WEST	MECHANICAL ROOM 3036	QH301	4343 (8233)	884	10	2088	-	-	-	-	1320 (2904)	575/3/90	4060	125.3	15.1	1842x63	1/10	0.15	2.8	46.6	90	180	140	384.5	72.1	1842x68	5/9	0.78	8.4	79.7/86.9	54.4/53.8	44	54	405	38.0	1842x68	1/10	0.19	18.5	-5
AU-2	CORE WEST	MECHANICAL ROOM 3036	QH303	5400 (11500)	871	15	1899	-	-	-	-	2907 (6150)	575/3/90	5081	378.3	43.2	2836x70	1/10	0.15	11.2	28.5	90	180	140	548.4	110.6	2824x72	5/9	0.78	13.1	63.2/68.9	54.8/54.3	44	54	578.4	43.2	2824x70	1/10	0.19	11.8	-5
AU-3	KITCHEN	MECHANICAL ROOM 3036	QH310	2171 (4800)	821	5	2150	-	-	-	-	243 (500)	575/3/90	3050	398.8	30.8	1827x48	2/9	0.38	5.0	13.0	70.4	180	140	141.6	38.8	1821x51	5/9	0.29	12.3	86.4/72.3	55.1/54.4	44	54	-	-	-	-	-	-	-
AU-4	LAUNDRY ROOM	MECHANICAL ROOM 3036	QH308	1300 (2800)	872	5	1570	-	-	-	-	240 (500)	575/3/90	2210	333.1	28.8	1821x35	3/10	0.35	4.0	-5.8	71.1	180	140	116.8	33.1	1815x38	6/10	0.53	14.1	80.0/75.0	54.1/53.8	44	54	-	-	-	-	-	-	-
AU-5	CENTRE CORE WEST	MECHANICAL ROOM 3036	QH300	6180 (13200)	1045	20	2100	-	-	-	-	2125 (4714)	575/3/90	5625	342.3	27.6	2824x82	1/10	0.15	5.4	43.0	90	180	140	508.0	107.3	2824x85	6/9	0.81	8.3	80.4/87.4	54.4/53.7	44	54	578.4	45.0	2824x82	1/10	0.19	13.7	-5
AU-6	CENTRE CORE EAST	MECHANICAL ROOM 3036	QH305	5500 (11800)	1045	15	1871	-	-	-	-	1199 (2484)	575/3/90	5090	71.6	6.2	2824x10	1/10	0.16	0.5	54.3	90	180	140	358.3	80.3	2824x12	5/10	0.57	7.5	78.2/85.5	54.3/54.0	44	54	572.5	48.0	2824x10	1/10	0.18	18.0	-5
AU-7	CORE EAST	MECHANICAL ROOM 3036	QH317	3870 (8200)	871	10	2792	-	-	-	-	1413 (2984)	575/3/90	3128	180.4	18.4	1836x69	1/10	0.16	4.7	40.6	90	180	140	327.5	65.5	1836x67	5/9	0.79	8.7	80.8/87.0	54.8/54.1	44	54	385.4	38.0	1836x64	1/10	0.18	12.2	-5
AU-8	DINING EAST	MECHANICAL ROOM 3036	QH306	1815 (3850)	990	5	2101	-	-	-	-	891 (1884)	575/3/90	2485	107.9	9.0	1824x42	1/10	0.19	1.7	40.8	90	180	140	157.8	32.1	1824x40	6/10	0.75	4.3	80.8/87.8	55.0/54.4	44	54	188.2	28.0	1824x42	1/10	0.19	7.8	-5
AU-9	BANQUET ROOM	CEILING	PHD-530	945 (2000)	125	1	1012	-	-	-	-	280 (600)	575/3/90	300	41.8	4.8	-	1/-	-	5.0	40.5	90	180	160	87.4	17.4	-	8/-	-	2.1	80.0/87.0	53.2/52.6	44	54	-	-	-	-	-	-	-
AU-10	RECEIVING AREA	CEILING	PHD-508	380 (800)	125	1/2	1226	-	-	-	-	130/1/90	125	-	-	-	-/-	-	-	-	-	-	-	-	34.3	4.9	-	3/-	-	3.2	80.0/87.0	58.8/57.4	44	54	-	-	-	-	-	-	
AU-11	BASMENT MECHANICAL ROOM	CEILING	QH-80FTAC	1415 (3000)	882	3	-	-	-	-	-	575/3/90	1286	60	6.6	-	-/-	0.29	0.7	40	58.5	180	140	80.88	17.2	-	-/-	-	2.5	80.0/87.0	58.8/57.5	44	54	-	-	-	-	-	-	-	
TC-1	ATRIUM-CENTRE	CEILING	PHD4512	480 (1000)	385	1	1143	-	-	-	-	208/1/90	130	47	8.1	1823x15	3/12	-	9.28	80	110	180	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8F-1	DINING WEST	BASMENT	202088	-	-	-	-	4340 (9280)	250	5.0	1908	-	575/3/90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
8F-2	CORE WEST	BASMENT	203088	-	-	-	-	5600 (11800)	250	5.0	1304	-	575/3/90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
8F-3	KITCHEN	BASMENT	150288	-	-	-	-	2171 (4600)	250	2.0	1908	-	575/3/90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
8F-4	LAUNDRY ROOM	BASMENT	100288	-	-	-	-	1320 (2800)	250	1.0	1401	-	575/3/90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
8F-5	CENTRE CORE WEST	BASMENT	245088	-	-	-	-	3690 (7900)	250	5.0	1218	-	575/3/90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
8F-6	CENTRE CORE EAST	BASMENT	215088	-	-	-	-	5425 (11500)	250	5.0	1371	-	575/3/90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
8F-7	CORE EAST	BASMENT	180088	-	-	-	-	8800 (18500)	250	3.0	1772	-	575/3/90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
8F-8	DINING EAST	BASMENT	100088	-	-	-	-	1820 (3800)	250	1.5	1645	-	575/3/90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
8F-11	BASMENT MECH. ROOM	BASMENT	150088	-	-	-	-	1415 (3000)	250	1.0	1448	-	575/3/90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				

**NOTES:**  
 -ALL AU AND HU UNITS SHALL HAVE TWO DOUBLE RECEPTALS 120/1/00 FOR SERVICE.

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

CHILLER SCHEDULE									
UNIT NO.	SERVICE MALLE/ MODEL	CAPACITY TONS	USGPM	∅ 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	∆P 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)		BLOWER H.P.	VOLTAGE	FLOW USGPM	FLUE IN	COMMENTS
			INPUT	OUTPUT					
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.

**HILLSDALE TERRACES-600SHAWA BLVD. NORTH –Code Red Fire Safety Plan**

**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 O'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 O'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 O'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 O'F. MOUNT UNIT ON BASE 600mm ABOVE ROOF. 50mm CONCRETE PAD. UNIT ON EMERGENCY POWER.