

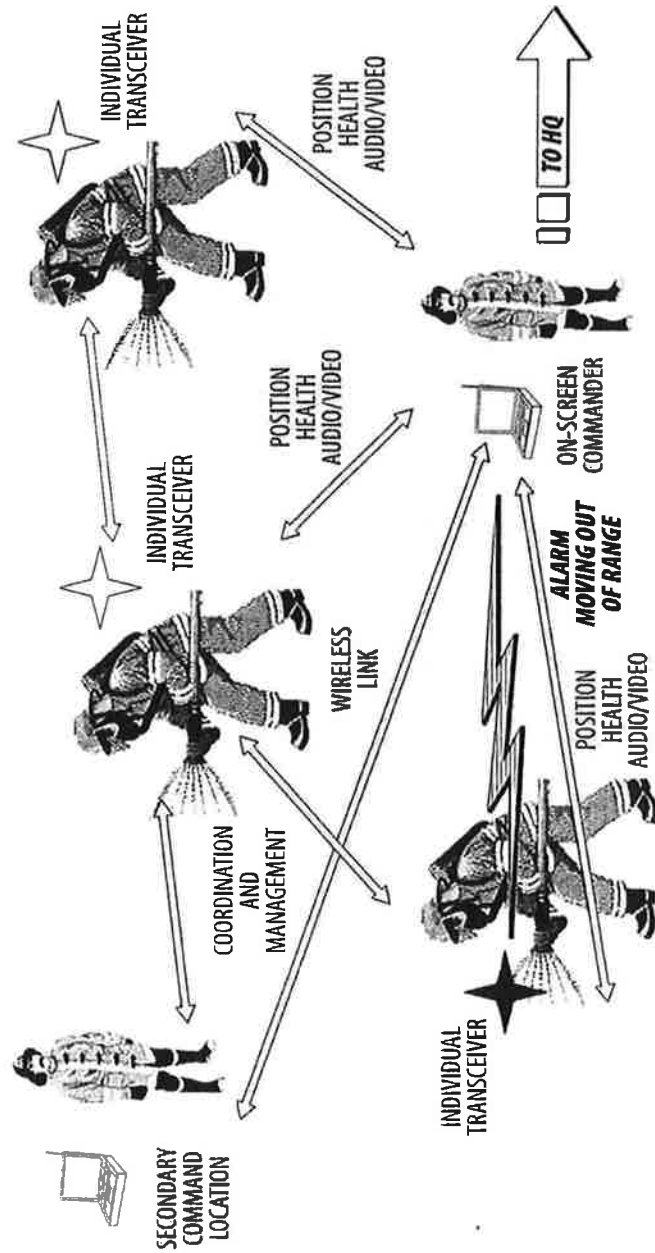


Fig. 1



Fig. 2

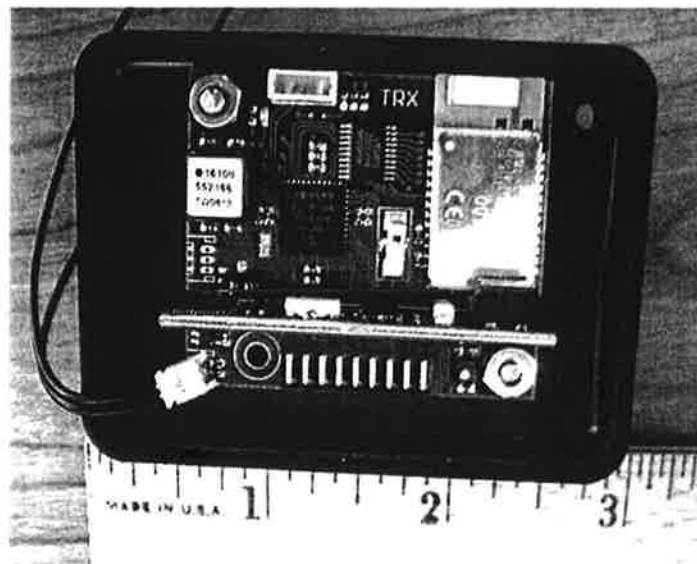


Fig. 3

Fig. 4

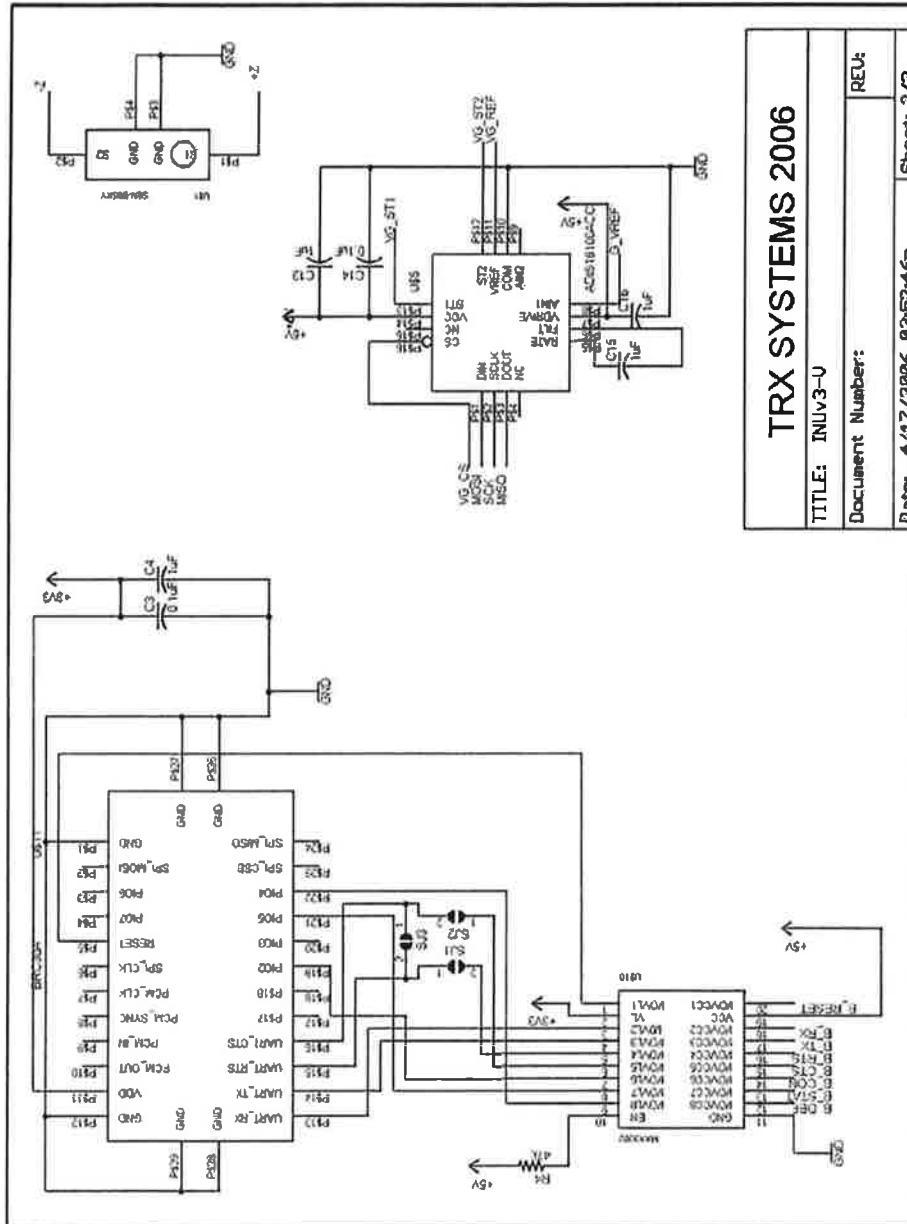


Fig. 5

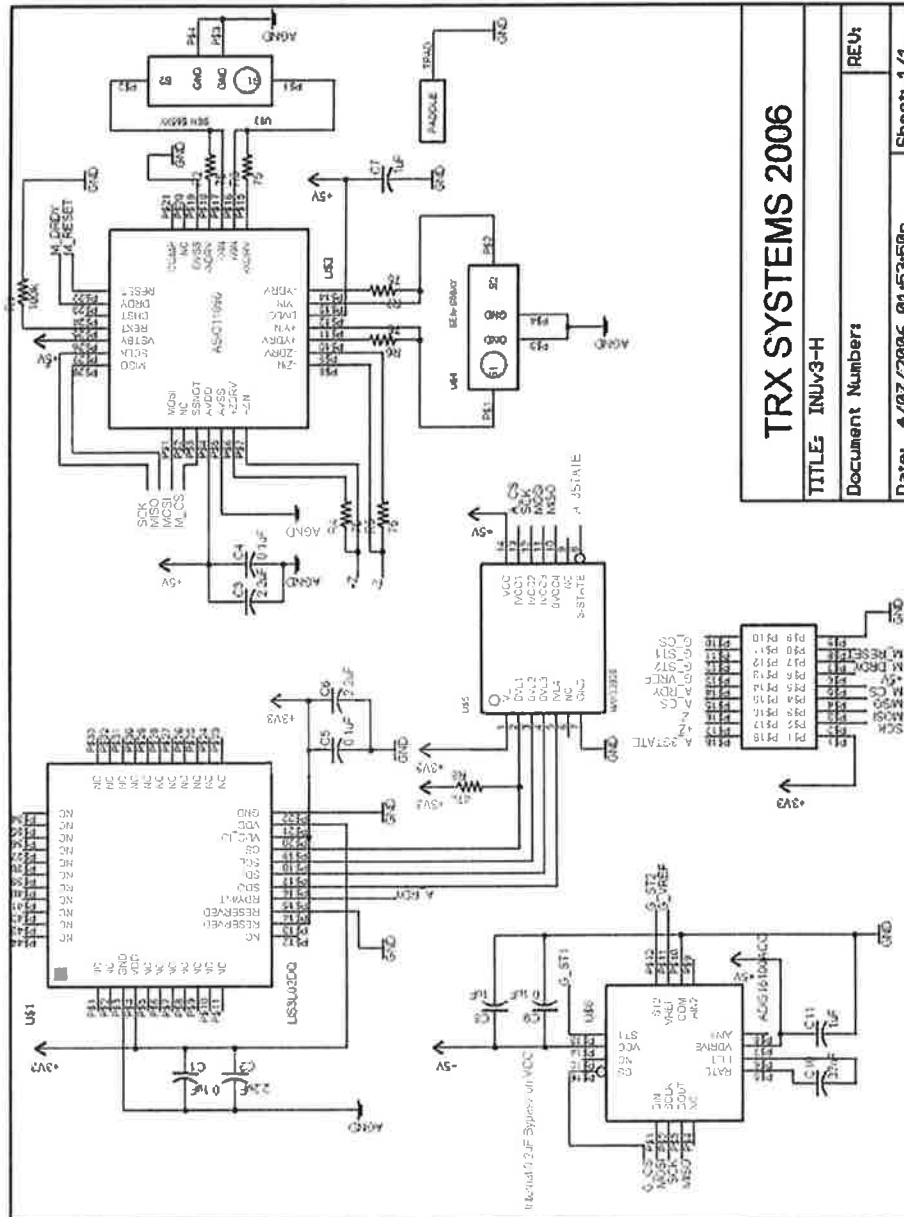


Fig. 6

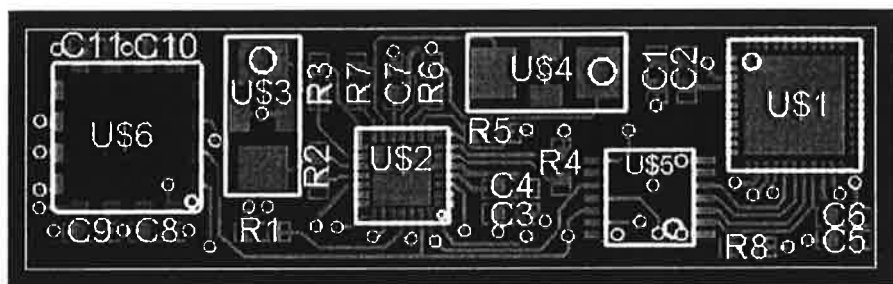


Fig. 7

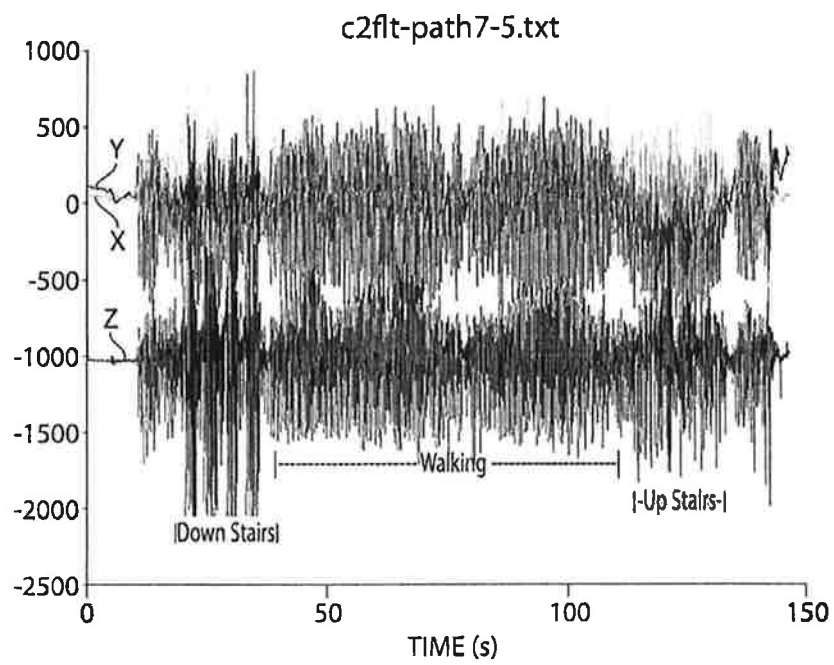


Fig. 8

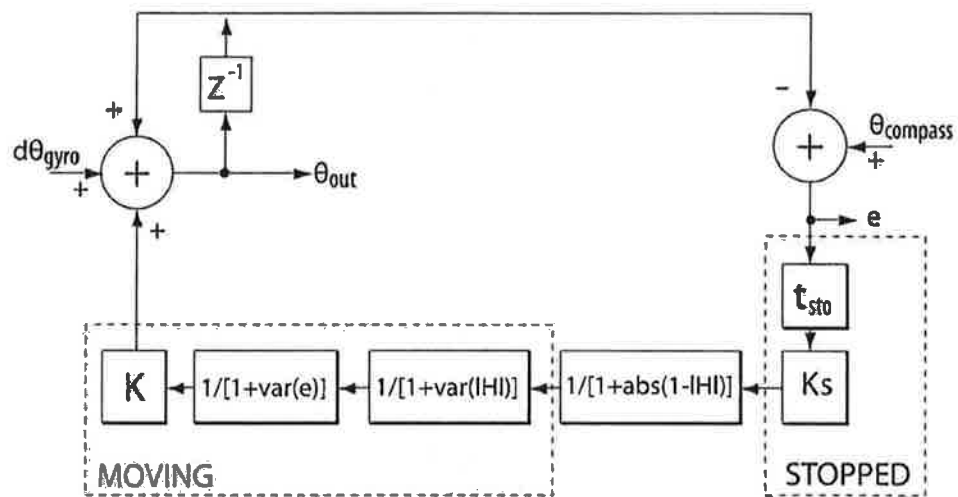


Fig. 9

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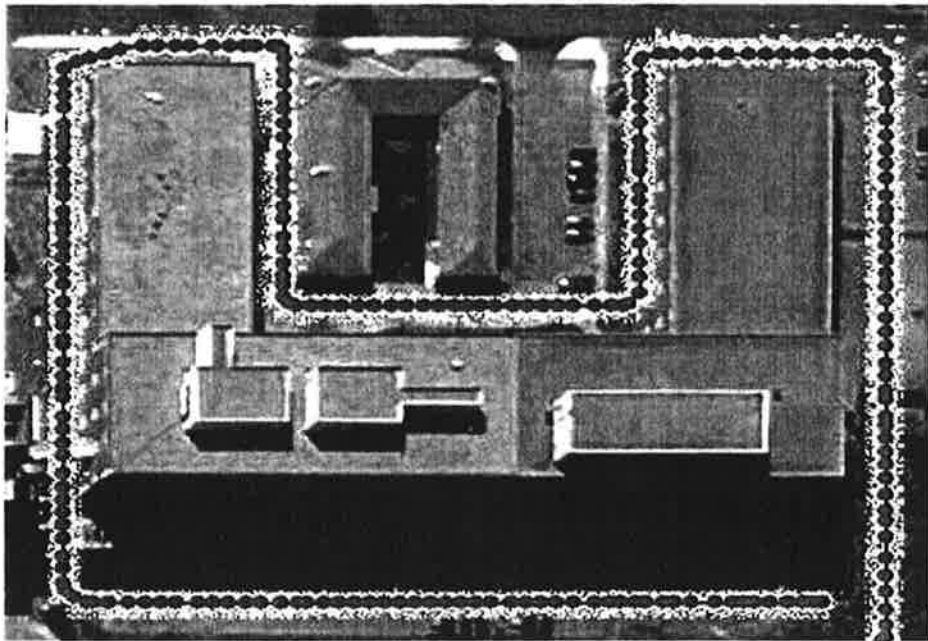


Fig. 10

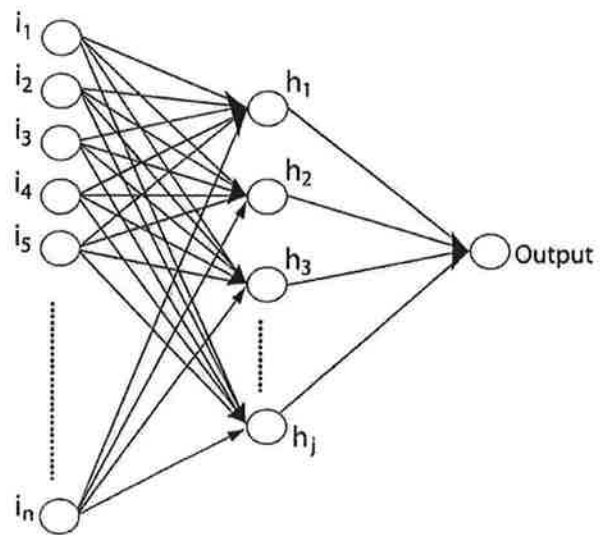


Fig. 11

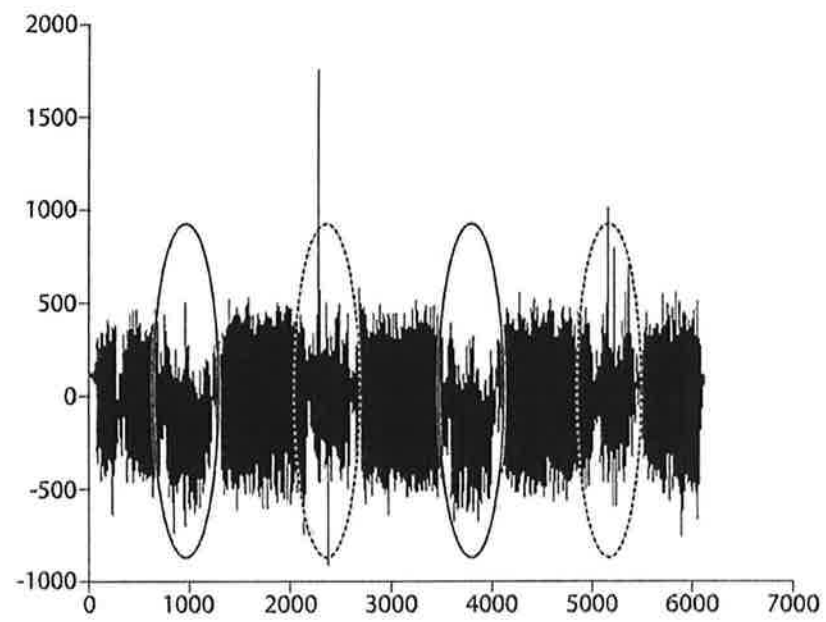


Fig. 12

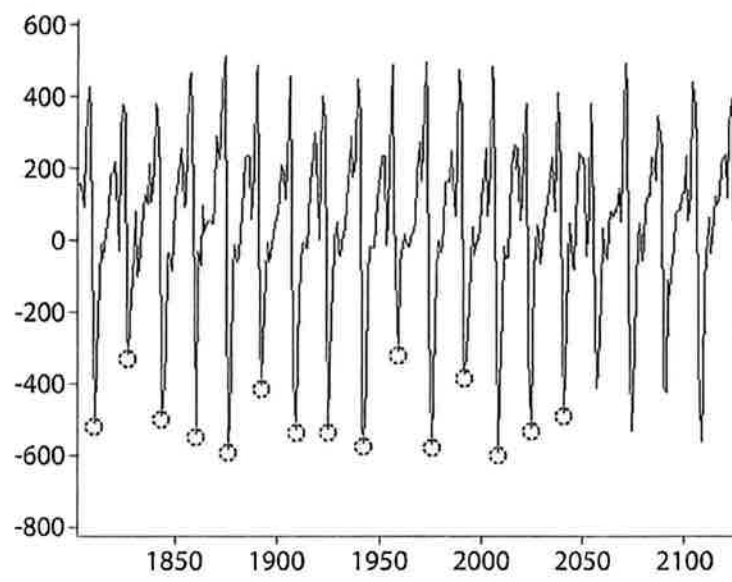


Fig. 13

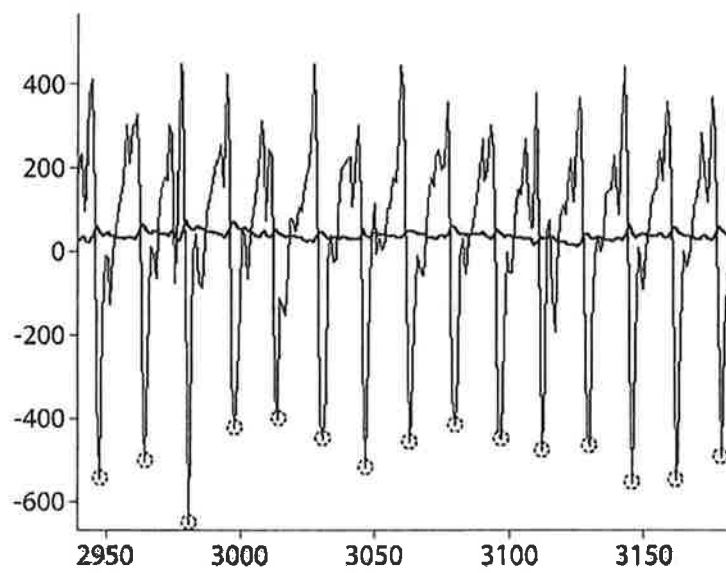
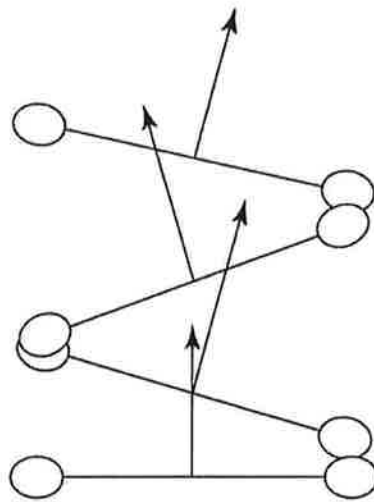


Fig. 14



Heel Strike Angle (1) = 102
 Heel Strike Angle (2) = 79
 Heel Strike Angle (3) = 101

LOP
 91
 90

Fig. 15

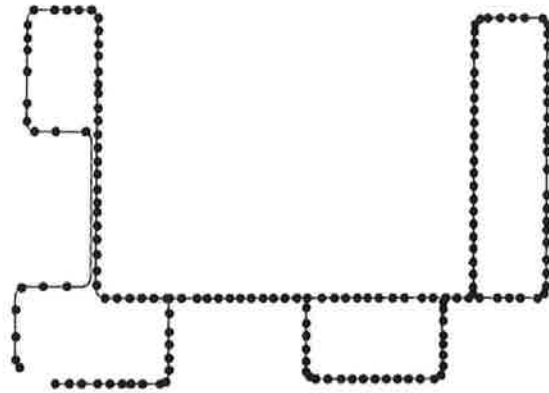


Fig. 16

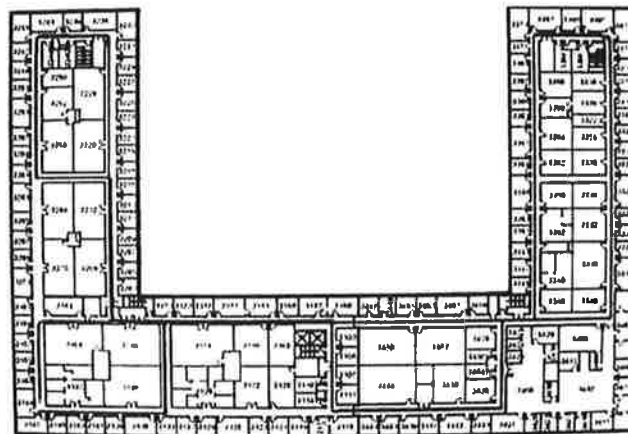


Fig. 17

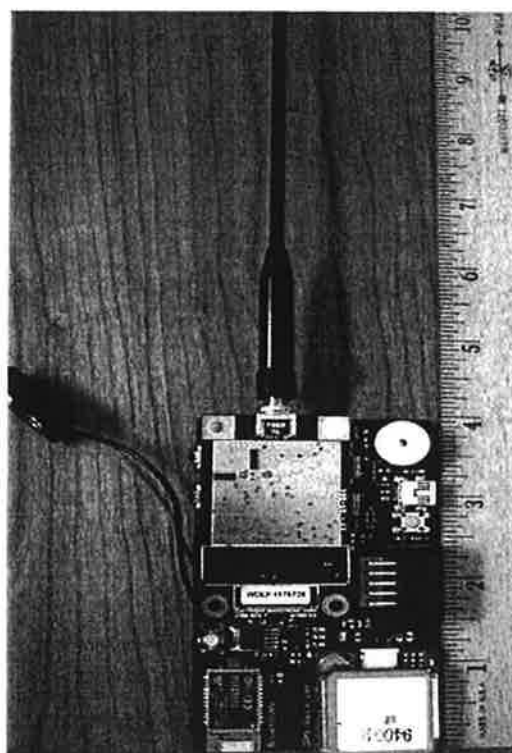


Fig. 18

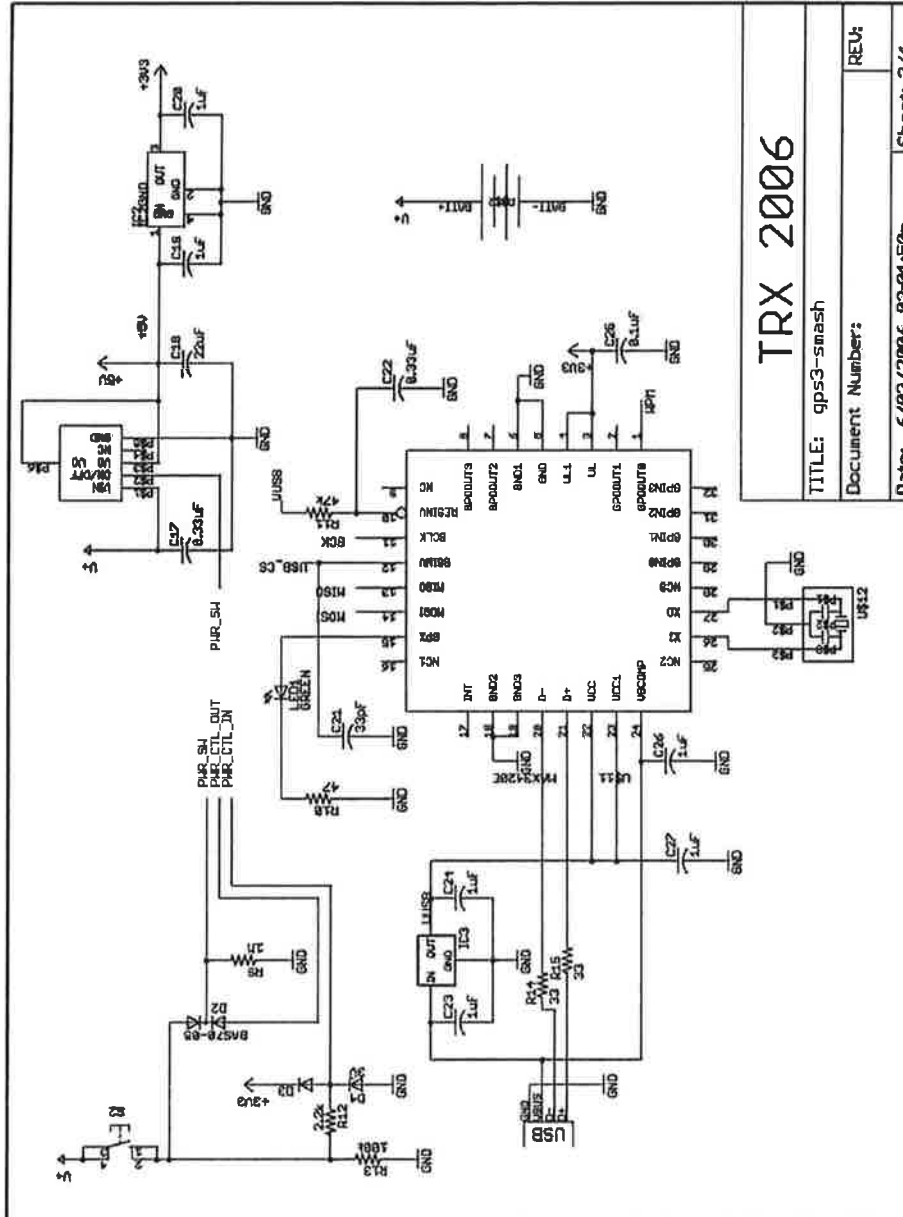


Fig. 20

TRX 2006

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Sheet: 2/4

Fig. 22

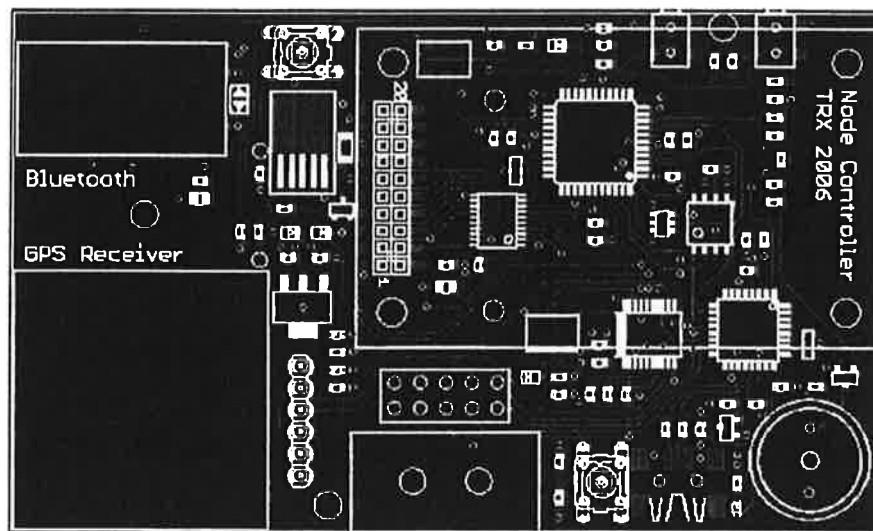


Fig. 23

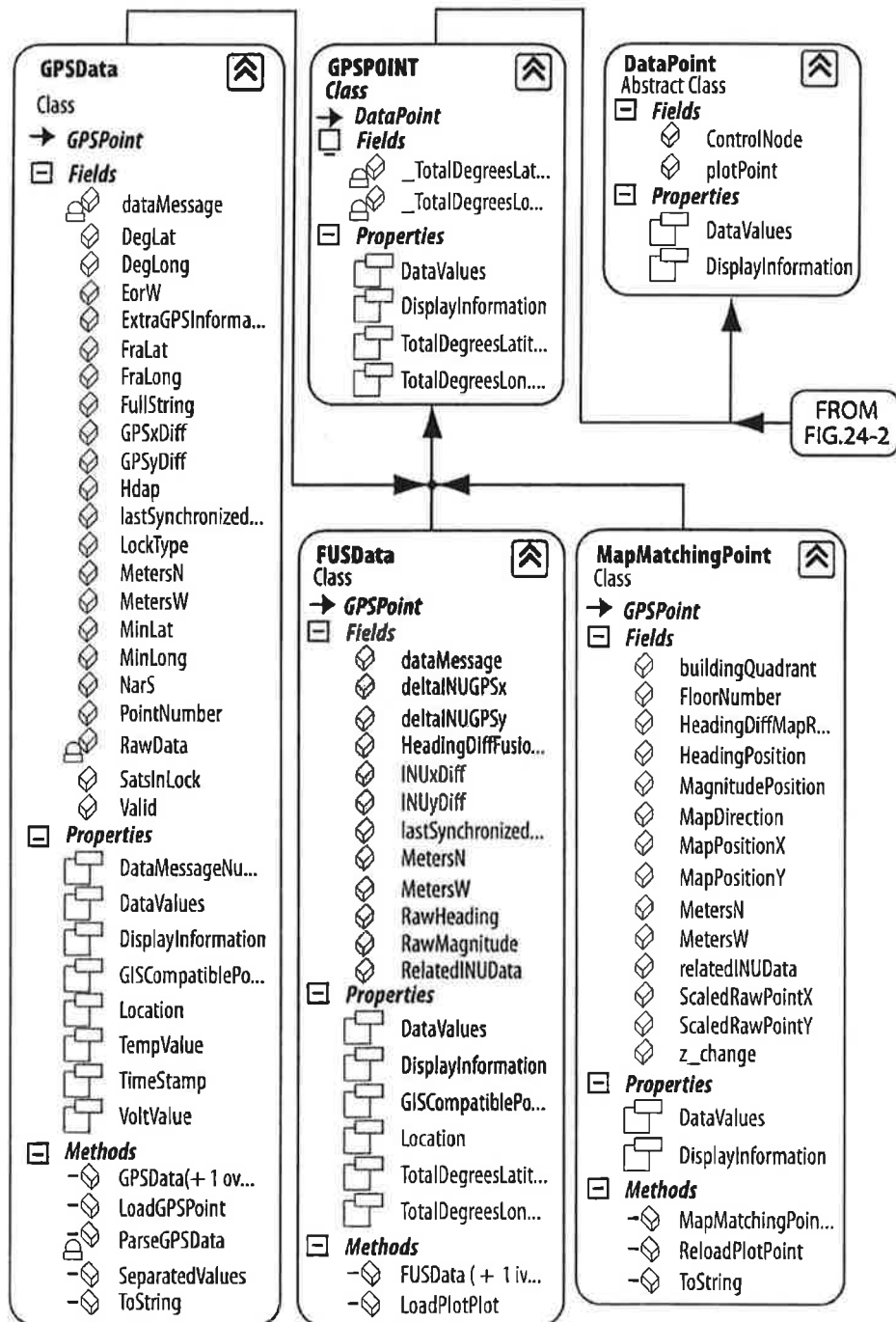


Fig. 24-1

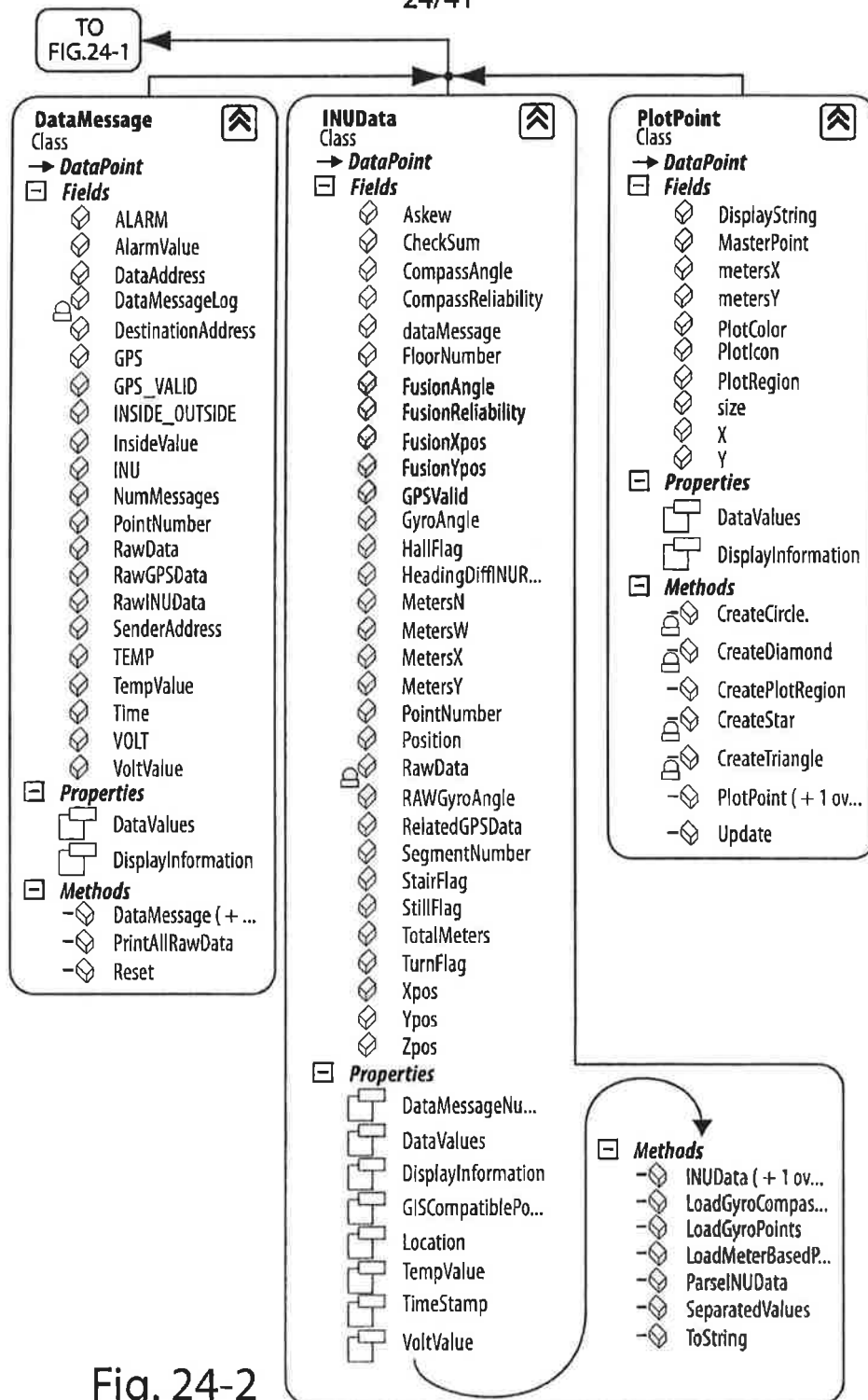


Fig. 24-2

Building DataBase

Name:

Address:

Type:

GPS:

Info:



Hold Image To Drag

Name:

Address:

Type:

GPS:

Info:



Hold Image To Drag

MFRI

Building Search

Drop Building To Load Here

Name:

Address:

Type:

GPS:

Info:



Hold Image To Drag

Selected Building: MFRI

The **Sentinel Building Loader** loads the active building into the **Sentinel System**. Buildings can be loaded manually by selecting them. Buildings can be loaded automatically by address searches which will be received at the 911 Box Call at Dispatch. Multiple Buildings can be loaded at once.

Fig. 25

Sentinel System Satellite Views



The SATELITE IMAGERY tab allows the Incident Commanders and firefighters to plan the mission on the way to the incident scene and at the scene. It provides geographic and structural awareness of the surrounding area.

TOP VIEW: The top view reveals critical roof information for Roof and Venting operations.

N,S,E,W views provide side views of the building revealing window, exit and other structural information.

From: *Microsoft Live Locals*

Fig. 26

Sentinel System Satellite Views



MFRI SOUTH VIEW

The ***Sentinel System*** provides views of the building from the NORTH, SOUTH, EAST, and WEST, to give the Incident Commander complete awareness of the Incident Scene.

Fig. 27

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Sentinel Preplan View

RAW INU Outdoor View Indoor View Satellite Imagery **Pre Plan View**

Raw INU Plot Outdoor View Indoor View Satellite Imagery Pre-Plan Notes Dual View

Building Address
7500 Point Branch Parkway
College Park, MD 20742

Additional Information

Building Type
☐ TYPE I - Fire-Resistive Construction
☐ TYPE II - Non/Limited Combustible Construction
☐ TYPE III - Ordinary Construction
☐ TYPE IV - Heavy Timber Construction
☐ TYPE V - Wood Frame Construction

Pre-Plan Notes

PRINCE GEORGE'S COUNTY FIRE/EMS DEPARTMENT PRE-PLAN FACT SHEET

BUILDING NAME _____ **ADDRESS** _____
CONSTRUCTION TYPE Choose Type **PRINCIPAL OCCUPANCY** _____
ROOF CONSTRUCTION - SUPPORTS _____ **SURFACE** _____
AREAS OF DANGER/TRAPPED/DISABLED OCCUPANTS _____

LIKELY FIRE BEHAVIOR/FUEL LOAD _____

HVAC - TYPE/FEATURES/VALUE _____
OWNER NAME/ADDRESS/PHONE _____
OCCUPANT/MANAGER - NAME/ADDRESS/PHONE (24 HOUR) _____

DRAWING CHECKLIST: ITEM PRESENT AND SHOWN ON DRAWING (give size/quantity) X - BUILDING NOT EQUIPPED WITH ITEM

☐ SITE PLAN	☐ INDICATE NORTH
☐ FLOOR PLAN	☐ INDICATE SIDE 1
☐ STAIRWAYS	☐ ENTRANCES/EXITS
☐ FIRE WALLS	☐ EXPOSURES

SITE PLAN

DIMENSIONS
 NUMBER OF FLOORS _____
 ELEVATORS _____
 DETECTION SYSTEMS _____
 ALARM SYSTEM CONTROL _____
 SYSTEM SUPERVISION _____
 ELECTRIC SHUTOFF _____
 GAS SHUTOFF _____
 WATER SHUTOFF _____
 FUEL OIL/PROPANE SHUTOFF _____
 FUEL OIL/PROPANE TANK _____

The SENTINEL PRE-PLAN VIEW allows firefighters to view their preplan notes within the *Sentinel System Base Station* while getting to the incident scene and at the scene.

New Notes and *Additional Information* and *Lessons* learnt for the building can be saved to the *DataBase* from quick reference on the next call to the location.

Fig. 28

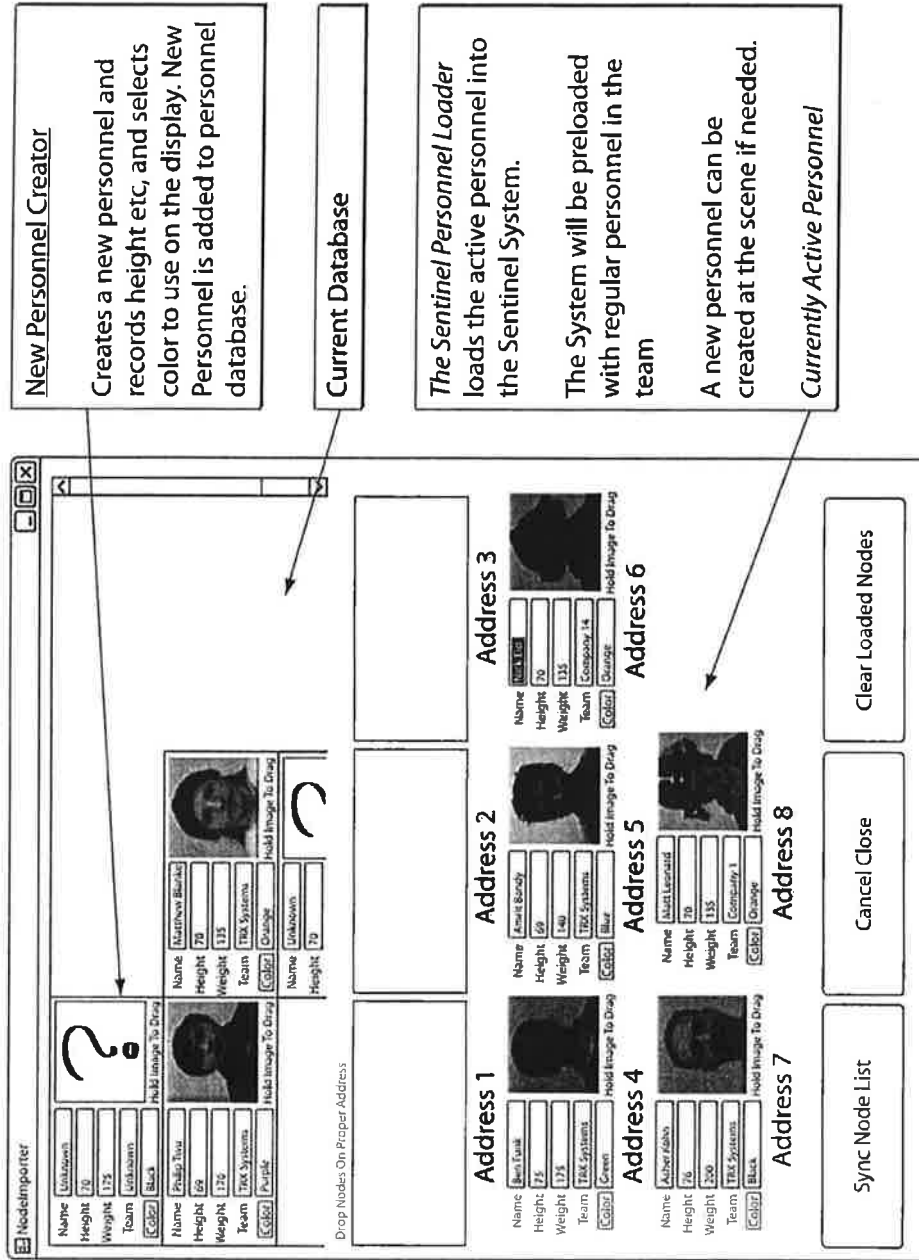


Fig. 29

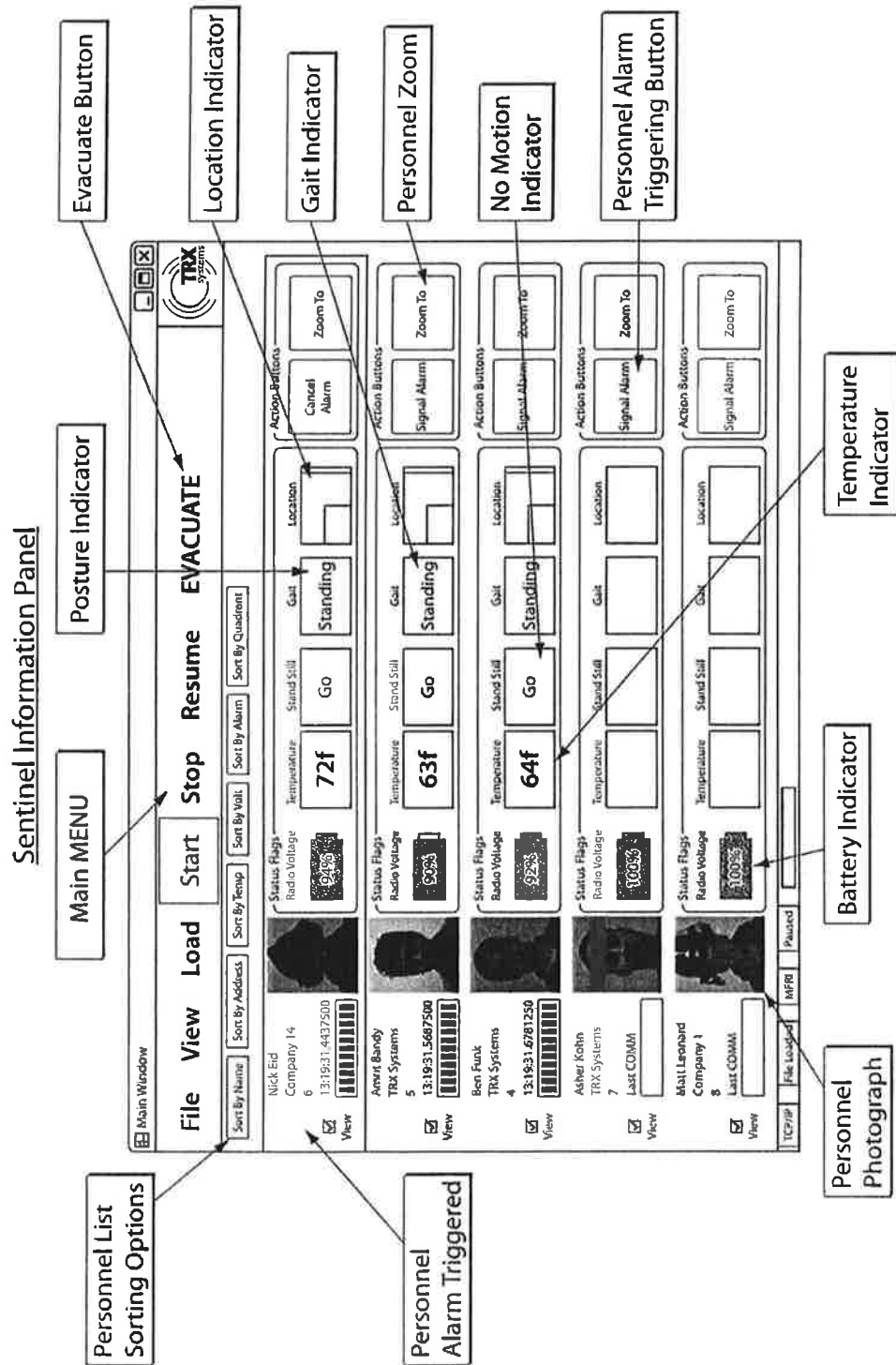
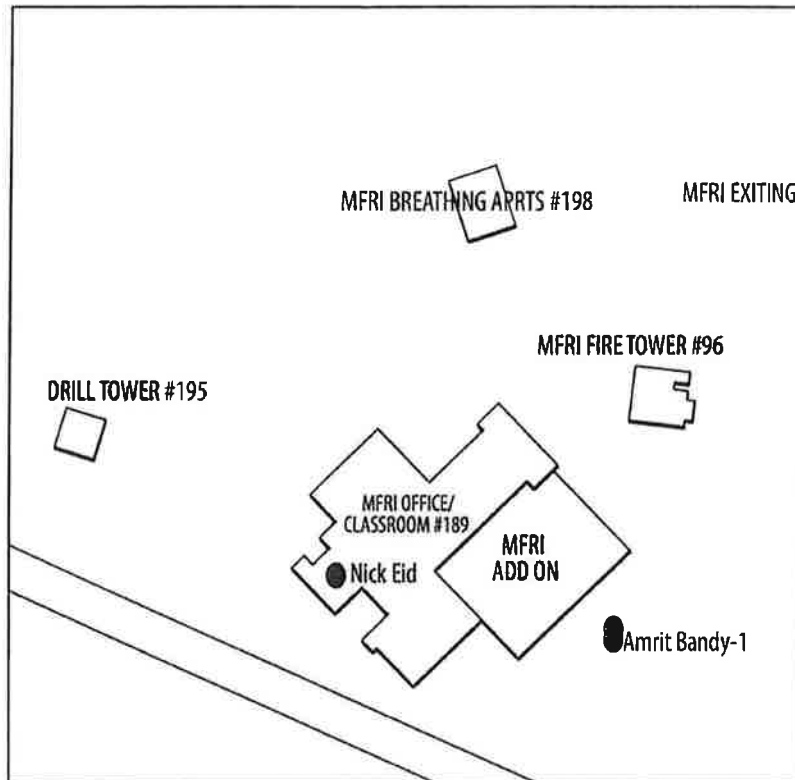


Fig. 30

Sentinel Outdoor Tracking View



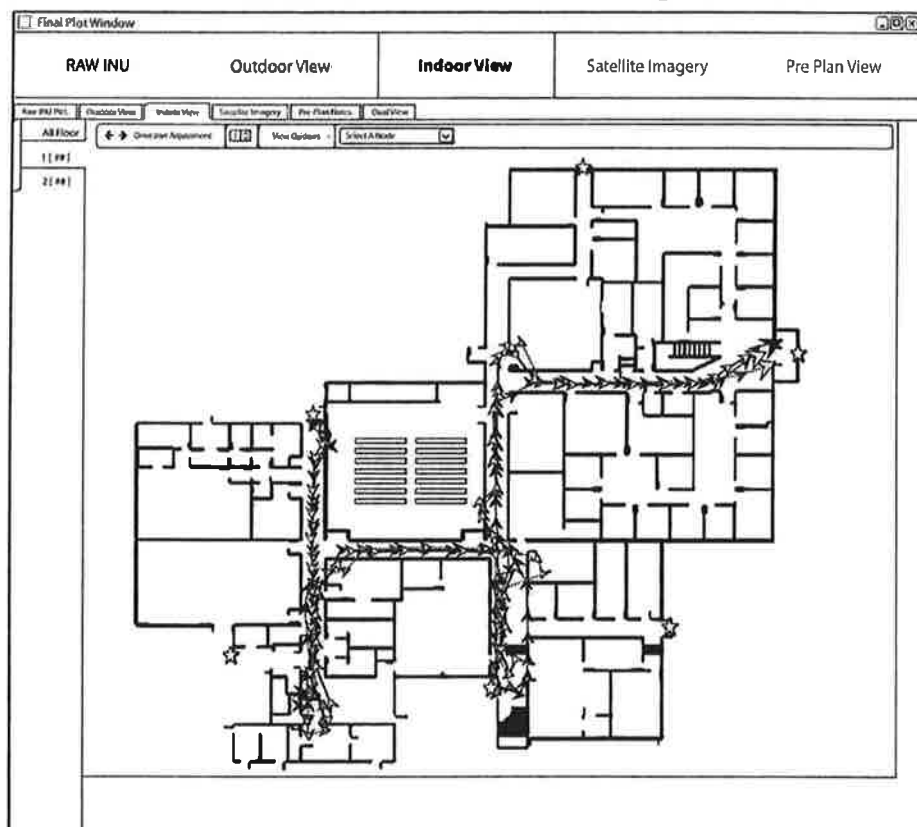
The Outdoor tracking locations are displayed on a GIS Map of the scene. The Outdoor plot automatically zooms to the loaded incident scene. The GIS view has been chosen as a result of

- Simplicity of View
- Fewer Colors than satellite imagery
- Standard representation

Figure shows personnel in 'red' (*Nick Eid*) triggering his alarm indoors, while Rescue Team of two is located outdoors at MFRI.

Fig. 31

Sentinel Indoor Tracking View

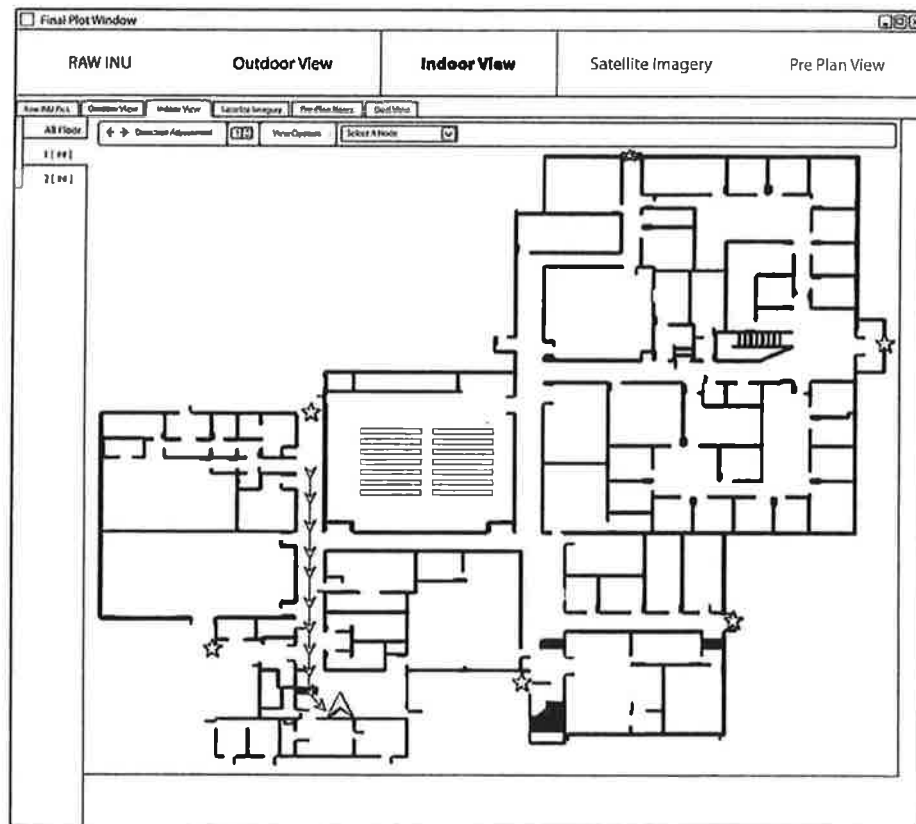


Personnel are displayed in their respective colors with a ticker (arrow) pointing in the direction they are facing. Figure shows three personnel heading for the MFRI main entrance after walking into the building. *Trails are optional.*

The INDOOR VIEW is shown on floor plans of the building. The left tab allows the incident Commander to select a floor to view and displays the number of personnel on the floor

Fig. 32

Sentinel Indoor Tracking View



When an ALARM is triggered the ticker of the personnel "*in alarm*" is turned red as shown in the picture revealing the location of the distress.

The figure shows the indoor location of the alarm of **Nick Eid** shown in the Outdoor View

Fig. 33

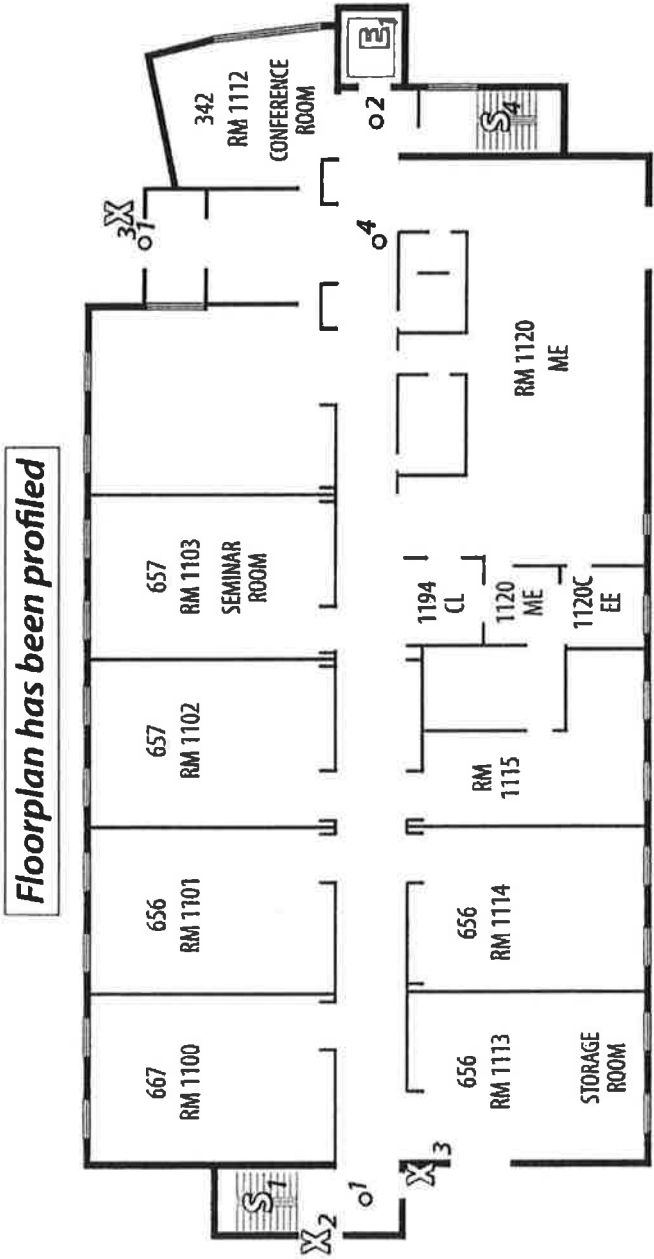


Fig. 34

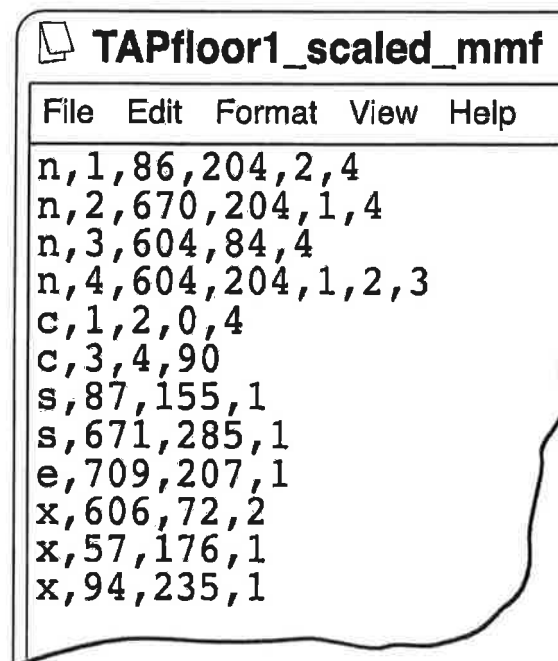


Fig. 35

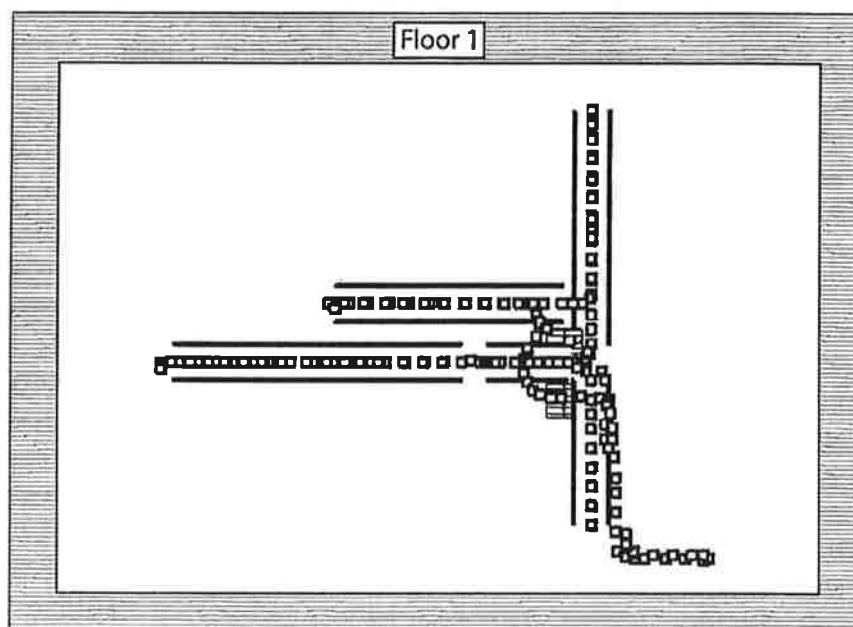


Fig. 36

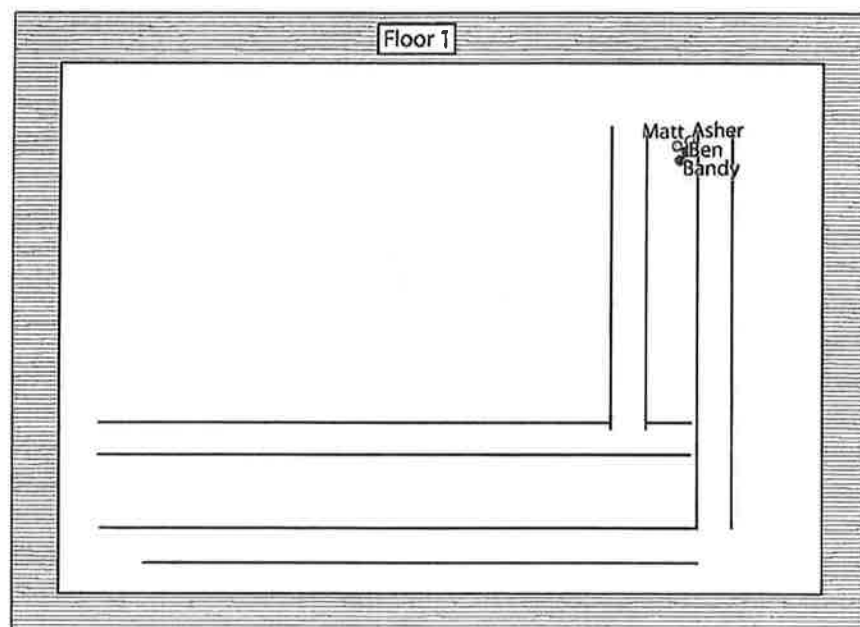


Fig. 37

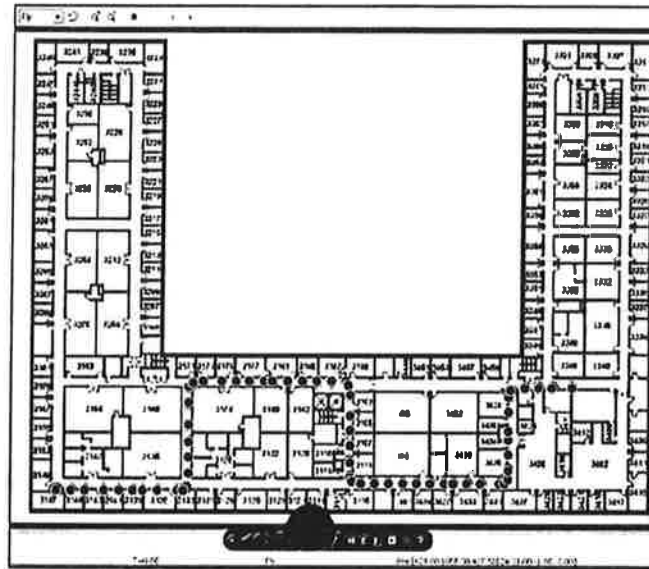


Fig. 38

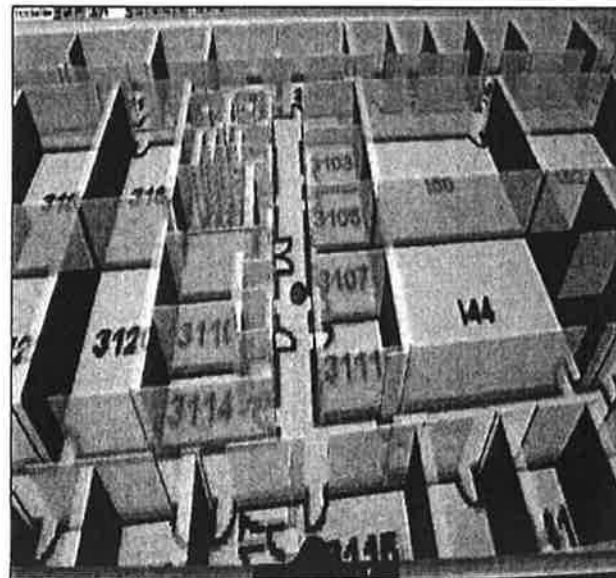


Fig. 39

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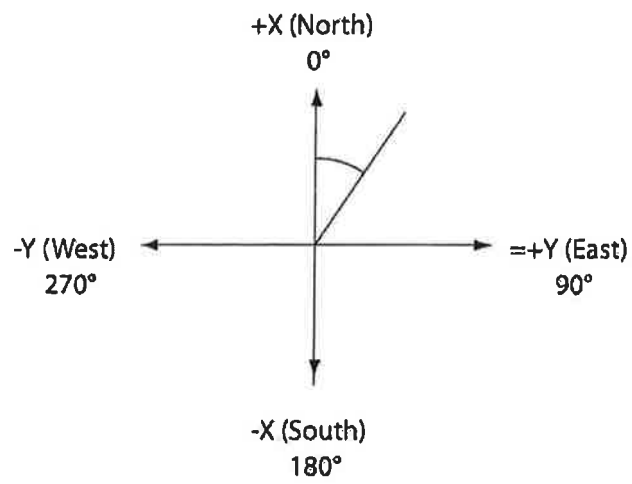


Fig. 40

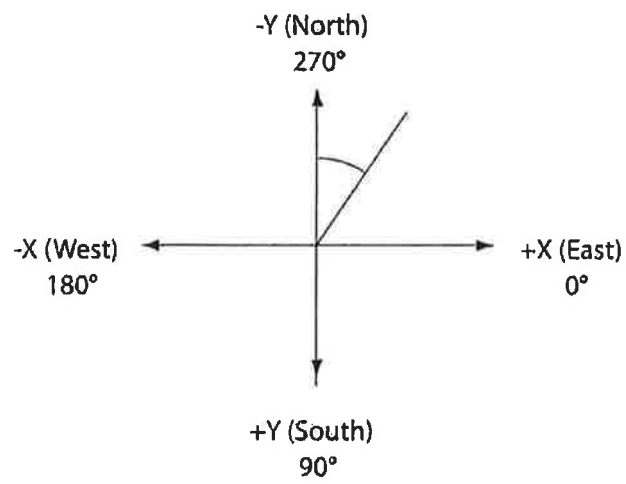


Fig. 41

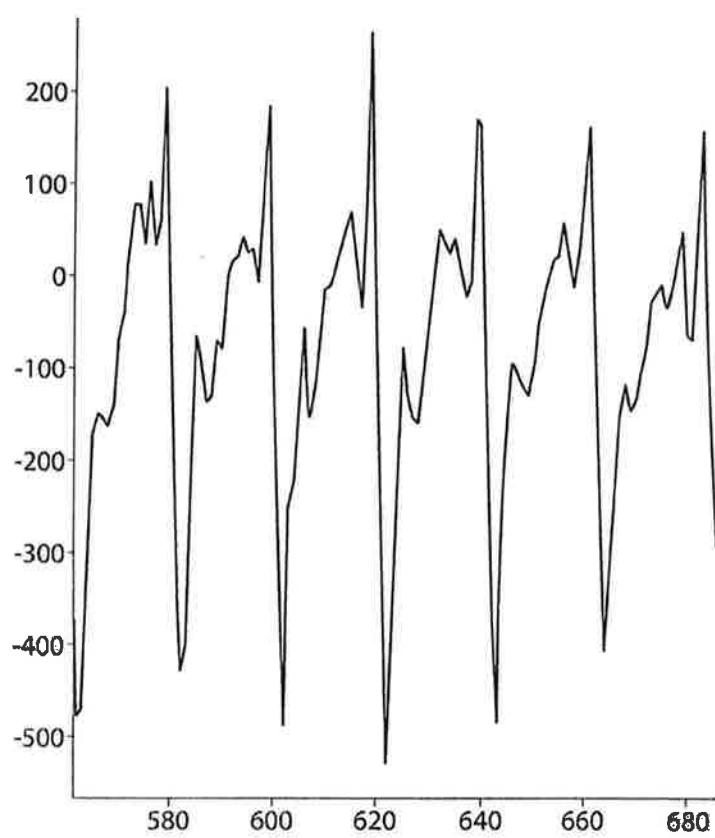


Fig. 42

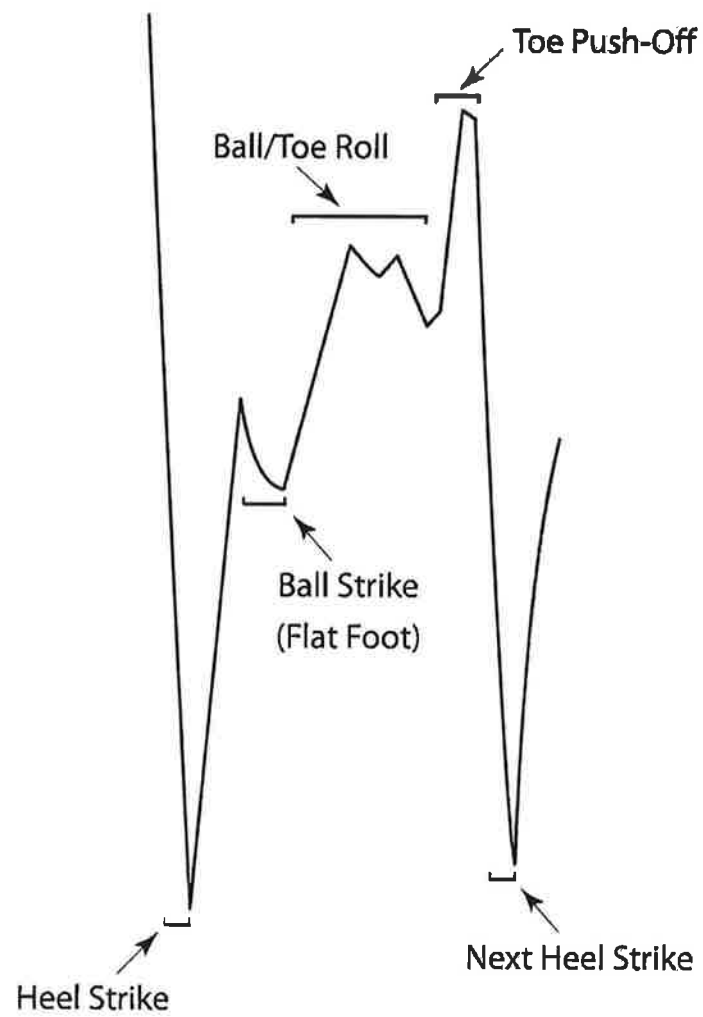


Fig. 43