SECTION 4 - THE SITE AND ITS COMPONENTS

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1. General

The site for Customs inspection facility shall be designed as a comprehensive unit comprising of the following main functions:

- Customs House (**H**)
- Site Command and Control components (**CI/CO**)
- Radiography facility (**R**)
- Manual inspection facility (**M**)
- Pit inspection facility (**P**)
- Kennel (**K**)
- Site plot development, including roads and garden areas.

1.1 The Customs House is a building housing the offices of Jordan River customs workers.

1.2 Site Command and Control components include:

- Cabins and checkpoints at site's Entry/ Exit
- Entry/ Exit of vehicles to / from the site (roads, signs, etc).
- Entry/ Exit of pedestrians to / from the site (sidewalks, gates, wickets etc.).
- Traffic control to / inside the site.
- Perimeter fence, Gates and Barriers
- Safety and Security systems

1.3 Radiography facility (**R**) comprising of:

- Devices and equipment for cargo x-ray screening
- Building for Operators, Image analysts, supervisors and control positions
- Service, Maintenance, Equipment Storage and Managerial functions.

1.4 Manual inspection facility (**M**) comprising of:

- Inspection bays on the Ramp for manual inspection of cargo loaded in containers.

- Area for inspection of cargo loaded on trucks: packed in pallets or other methods.
- Vehicle inspection area (**P**) and mechanics' offices (**PO**)
- Storage area for confiscated goods
- Area for equipment required in the vicinity of the working area.
- Office building (**MO**) comprising of operator's positions, Managerial functions, command and control functions as well as service, storage and maintenance areas.
- Kennel site (**K**) comprising of office positions, dogs cells and exercise area.

1.5 Site development, including:

1.5.1 Roads and sidewalks

1.5.2 Parking areas for use of:

- Trucks
- Private vehicles

1.5.3 Yards

1.5.3.1 Site plan shall include cultivated areas, professionally designed with various plants and computerized (automatic) irrigation system while taking into consideration the local climate.

1.5.3.2 Next to each building (radiography, manual and Customs house) an outside smoking area will be installed

1.5.3.3 The roofed (pergola) area shall include.

- Concrete table, benches
- Drinking water concrete fountain
- Garbage can, Concrete ashtray, etc.

1.6 <u>Sustainable construction</u>

Site design and implement structures will be based on sustainable construction (“green”) principles, using process that is environmentally responsible and resource efficient throughout building’s life-cycle as formulated in the Israeli regulations (achieving at least 55 points).

1.7 Communication

1.7.1 Regarding communication network, it's emphasized that according to IT security requirements a total separation between the Customs communication network ("red") and the radiographic system communication must be implemented in the site.

1.7.2 As result of the above Customs ("red") and site communications cabinets will be located at different rooms.

1.7.3 All Communication rooms at the site shall be secured (shielded door). Customs communication rooms will be secured with a biometric system as access control.

1.8 Power/ Transformation

1.8.1 It's emphasized that rooms containing these elements shall be planned as far as possible from any occupied offices.

1.8.2 UPS (TBD) shall be installed in the communication rooms.

1.9 Fire detection and extinguishing

1.9.1 Fire detection equipment, as required by the Fire local Authorities, will be installed.

1.9.2 A fire-fighting position will be set up in area, including extinguishers and hydrant/hose to extinguish fire with water, as well as all other tools required at such a positions.

1.10 The following sections presents a general description of the parts listed above, in accordance with the operational procedures described in section 3 and section 6.

1.11 Generally, it's emphasized that site design will present a direct and safe truck traffic from one subarea to the other (Entrance/ Radiography/ Manual/ Pit/ Exit, with none, or at least minimal, crossing of roads and it will allow rapid evacuation of the site in emergency situation (free passage from each area)

1.12 It's emphasized that units sizes (office area, etc.) described in the following sections are estimated net areas only, while the actual final area may be larger by up to 30%.

Note: At the PDR, the contractor will present for client's approval, the updated site & buildings design drawings according to Client's requirements, land's final location and exact shape and area (about 20000 m^2).

2. Site Entry and Exit

2.1 General

2.1.1 Generally Customs employees, visitors, Cargo carriers and vehicles for customs and security inspection will reach the site either by external roads (one or more) or through the border terminal area (managed by IAA).

2.1.2 Entrance of all carriers from the external main roads will be either directly to the Customs site or through the terminal. In either case the process comprises of:

- Drive via an external road
- Checks at terminal entrance guard post (operated by IAA)
- Enter Site Entrance Area (operated by Customs using the SDMS system)

2.1.3 Exit from the Customs Inspection Site will be through Site Exit gate (operated by Customs and controlled by Site's SDMS system) either directly to an external road or into Jordan River Terminal's area (operated by IAA).

2.2 The following sections define contents of this project referring to customs site located inside the Jordan River Terminal.

2.3 Carriers size to be inspected at Customs site

2.3.1 Site design: entrance and exit lanes, as well as all traffic routes, radiography tunnel entrance and pit size, must take into account the following sizes of carriers that enter the site, according to the required examinations types:

2.3.1.1 Standard container / pallets trucks – examination types: radiography, unloading for manual and pit inspections.

2.3.1.2 Extra wide: 370 cm – examination type: unloading, manual and pit inspections.

Accordingly, requires traffic lanes adapted to carriers size (check-in/out cabins) and pit width of 430 cm.

2.3.1.3 Extra long: 2200 cm (full trailer) – examination types: radiography, unloading, manual and pit inspections.

In this case, radiography shall include only one carrier. Unloading area and inspection pit size (at least 2500 cm long) should be planned accordingly.

2.3.1.4 Cars carrier, length: 2800 cm – examination type: manual, unloading the cars

Requires fitting of the traffic lanes into/out the site (check-in/out cabins)

2.3.1.5 Extra high: over 460 cm – unloading, manual, pit inspections

2.4 Fence

2.4.1 Along the internal border (eastern) with the terminal a fence will be built by the Contractor, as part of this project.

2.4.2 Along the external sides of Customs facility Terminal's fence will be built by the Contractor as part of this project (as per IAA characterization).

2.4.3 Site plan will provide access of IAA security vehicles to every part of the fence, with no obstacles.

2.4.4 Inside the facility, adjust to Terminal's fence a 5m wide asphalt road will be build to serve as security patrol road.

2.4.5 As part of the project, CCTV cameras will be installed on/near site's fences, targeted for operational supervision of vehicles traffic.

2.5 In order to prevent delays each site gate (Entrance/Exit) will comprise of at least two lanes, each one with space for vehicles in queue (total of 4 lanes).

2.6 A separate, controlled entrance and exit will be used by private cars, each comprising of one lane.

2.7 Pedestrian and vehicle traffic will be controlled by one or more (as per site's specific final design) checkpoints in the fence:

- Controlled entry & exit checkpoint for Customs employees entering the site by vehicles or by foot. Location of these gates /checkpoints / wickets will be designed according to operational needs, terminal plan and Contractor’s final plan of customs site.
- Entry & Exit for visitors – vehicle and pedestrian (specific location to be defined according to final plan of the site)
- Entry & Exit for carriers and vehicles for inspection –automatically /operators controlled.

2.8 In order to perform the tasks described in Section 3, each checkpoint will comprise at least of the following:

2.8.1 A mesh gate (identical to the perimeter fence) shall be manually operated. Usually, the gate will stay open throughout working hours.

2.8.2 The gate will include locking devices for the closed position and anchoring devices for both the closed and the open positions.

The gate height will be the same as that of the perimeter fence.

In the open position, the gate will not constitute an obstacle to the traffic of vehicles through the gate and in its vicinity.

2.8.3 Electrically operated barrier of the lifting horizontal bar type.

The barrier in its closed position will block the entire width of the entrance/exit lane.

The barrier will be operated as follows:

- Electric operation from the gate's workstation and/or guard post (as per final design).
- Proximity sensor in order to prevent closing while a vehicle is passing through the gate.
- Electric operation from operator's WS and/or supervisor's WS (authorized Traffic Control WS).
- At the carrier's Exit gates: Automatic operation by means of Truck/container's ID (LPR or other means as specified by the Contractor) followed, if required, by a verification of Driver's ID.
- At the employees Entrance/Exit gate: operation by means of Employees' vehicle ID or personal ID (proximity / magnetic card or other)

2.8.4 Entrance wicket for pedestrians

2.8.4.1 The wicket opening will be operated as follows:

a. By a personal magnetic card (authorized workers/ employees)

b. By electric operation from the checkpoint positions (visitors)

2.8.4.2 The wicket will include:

a. Mechanical locking devices for closing during the hours when the site is not in operation

b. An intercom extension installed for use from the outer side of the wicket

c. Monitoring Camera (connected to checkpoint position)

3. Check-In Cabins

3.1 General

3.1.1 The cabins shall be designed to perform the operations described in Section 3

3.1.2 Four lanes (2 for entry and 2 for exit) will connect Customs site to Terminal's roads.

3.2 <u>Check-In Cabins</u>

3.2.1 One (1) check-in cabin will be located between the two entry lanes and will be designed for the following:

a. Reception of the shipment;
b. Verification of the shipment (documents)
c. Completion of data
d. Reading and Recording Truck's License Number (using LPR) – Vehicle ID
e. Issue of Driver's Identification ticket;
f. Directing the driver to the designated route in the site;

3.2.2 Each cabin is intended for occupancy by one or two persons;

3.2.3 The entire cabin will be air-conditioned;

3.2.4 The Check-in operator (CIO), in a seating position will perform the reception procedure while facing the truck driver (who will stay in the truck) through a designated reception window.

3.2.5 The cabin design will offer the check-in officer:

- Comfortable working environment
- 360^0 free view (without obstacles)
- Access to the back of the container (if required to check the container/seal)

3.2.6 Cabin furniture will comprise of custom built desks, chairs, cabins, accessories.

3.2.7 Cabin's interior design shall take into account all equipment designated to be installed in it together with human engineering aspects.

3.2.8 At least, the following devices will be installed on / within operator's desk:

a. Lighting unit, spot type, to enable floodlighting the vehicle and the driver's cabin
b. Work surface for office operations

c. Telephone set

d. Announcing post for PA system

e. Control panel for the gate, operating:

- The electric barrier.
- The lock of the pedestrian's wicket.

3.2.9 At the check-in cabin the following additional equipment will be installed:

a. Command and Control WS (Terminal to the Facility control system FCS – SDMS and Radiography Data Base). The software and communication infrastructure to be used by the devices required for the operational procedures as defined in Section 3 are Contractor's responsibility

b. Customs computer WS (supplied by Customs)

c. LPR devices

d. Devices for issuing identification ticket for the driver's ID.

e. Electronic scanner (A3 flatbed) for scanning documents

f. Fax machine

g. Color Printer

3.2.10 The desk will comply with the following requirements:

a. Built of wood with Formica surface and foot rest

b. Comfortable position for operating the equipment and devices.

c. Surface for writing and document handling.

d. Drawers, Compartments and accessories for forms and storage compartments closed with doors.

e. Additional power and communication sockets (for small electrical appliances)

f. Hot and cold water bar (example: Tami 4)

3.3 Devices at Cabins vicinity

Additional equipment, required for site's operations, will be installed at cabins vicinity, as follows:

3.3.1 LP readers will be installed at each vehicle's lane heading the check-in.

3.3.2 Height sensors (designed for multiple purposes, for example: as alert regarding the maximal height allowed into the tunnel or in order to distinguish between cargo carriers and private vehicles) with indications at operators' WK (TBD at the DR)

4. Parking lots

4.1 Within the facility's area, enclosed by site's perimeter fence, parking lots for cargo carriers and for private cars will be built (relevant specifications in Section 6).

4.2 The parking lots designated for cargo carriers are:

4.2.1 Pre-Inspection parking lot - in front of the Radiography installation;

4.2.2 Pre-Clearance parking lot, designated for carriers waiting until a decision regarding the shipment is made, directing it to next stage. (Exit / Manual/Other);

4.2.3 Manual inspection area, designated for carriers unloading cargo that require manual examination (containers and pallets)

4.2.4 Pit area

4.3 The parking lots designated for cars are:

4.3.1 Employees' parking lots – designated for employees and office's private cars. The lots will be adjacent to the main working areas:

- Radiography installation
- Manual inspection
- Customs House Office building

4.3.2 Visitor parking lot - close to site's entrance and office building

4.4 All parking lots surfaces will be covered with asphalt.

4.5 Appropriate gradients and drainage means will be provided.

4.6 The parking lots will be lighted with floodlights sufficient for human orientation, as well as for CCTV coverage and in accordance with safety regulations.

4.7 The parking lots will be painted with marking lines, clear numbers and directions marks to the numbered lanes/bays.

4.8 Design of the parking will provide easy access of truck's driving into/out of the parking and will not require long backwards driving.

4.9 The following equipment will be installed in the parking lots:

4.9.1 Loudspeakers for the public announcement (PA) system and the Traffic control system (SDMS).

4.9.2 Dynamic traffic directing system signs, lights and/or VMS signs, visible in daylight and illuminated, controlled by the SDMS

4.9.3 TV cameras surveying the parking lots; part of safety and security CCTV system

4.9.4 Fire-fighting positions will be installed in each parking lot, including fire extinguishers, hydrants and water hoses and all the other implements as required by the local Israeli authorities.

4.10 The area of the parking lots, including access and maneuvering space, should be suitable at least, for the number of trucks as follows:

4.10.1 Pre-Inspection parking lot - 4 trucks

4.10.2 Pre-Clearance parking lot - 4 trucks;

4.10.3 Pre - clearance after manual inspection - 3 trucks

4.10.4 Manual inspection site – 13 trucks (5 at container bays, 5 with pallets to be unloaded, 3 at pit inspection)

4.11 Emergency passages will be designated in order to let emergency vehicles enter and exit from each area in case of emergency or when traffic is blocked.

4.12 Private Car parking

4.12.1 Near radiography building – 10 cars

4.12.2 Near manual inspection ramp/offices – 20 cars

4.12.3 Next to Customs House – parking for 40 cars; 10 of them covered (roofed over)

5. Radiography facility (R)

5.1 General

The Radiography (R) site, (net area of ~ 1100m^2) will comprise of the following parts, each described here and after:

5.1.1 Radiography tunnel;

5.1.2 Radiography system, including system operation, service and storage rooms;

5.1.3 Technical rooms and electronic equipment section;

5.1.4 Offices, including team room and drivers waiting area;

5.1.5 Service rooms: Toilets, showers and kitchenette;

5.1.6 It should be noted that units sizes (office area, etc.) described in the following sections are estimated net areas only – the actual final area may be 30% larger.

5.2 Radiography Tunnel

5.2.1 The fixed radiography tunnel (~850m^2) will be built according to safety standards and will include radiation shielding doors on each side.

5.2.2 Additional security door to be used in emergency situations only (routinely closed)

5.2.3 Within the tunnel the required safety accessories will be installed, including cameras and video equipment as well as diverse sensors in order to assure safe operation at all times.

5.2.4 The tunnel will be ventilated (for example: automatically operated fans), in order to remove gases from truck mufflers and to avoid smoke.

5.2.5 Equipment

The following will be installed at the entrance or inside (as per final plans) the tunnel:

5.2.5.1 Readers:

a. Vehicle ID (LPR)

b. Driver's ID ticket (inside – operator WS)

5.2.5.2 Sensors and devices:

- Radiation safety devices and interlocks as described in this document and as

required by the Israeli Authorities

- Safety devices (cameras, fire detectors, smoke evacuation system, etc)
- Height detection sensor (safety means)
- PA – for system operator's instructions to truck drivers

5.3 Radiography System Area – Technical area

5.3.1 The radiography facility will include the rooms and areas essential for the equipment comprising the system.

5.3.2 This includes rooms for the dedicated screening equipment (source, detector array, etc.) and all additional systems, as well as storage, maintenance and service rooms as defined by the Contractor and needed for a steady and efficient routine operation and service and maintenance of the whole system.

5.3.3 Technical rooms – this includes all rooms with electrical equipments, as per contractors plan.

These include:

5.3.3.1 Power/ Electrical /Transformation rooms – as per contractor's final design (PDR)

5.3.3.2 Generator room/area - contractor's design for future installation

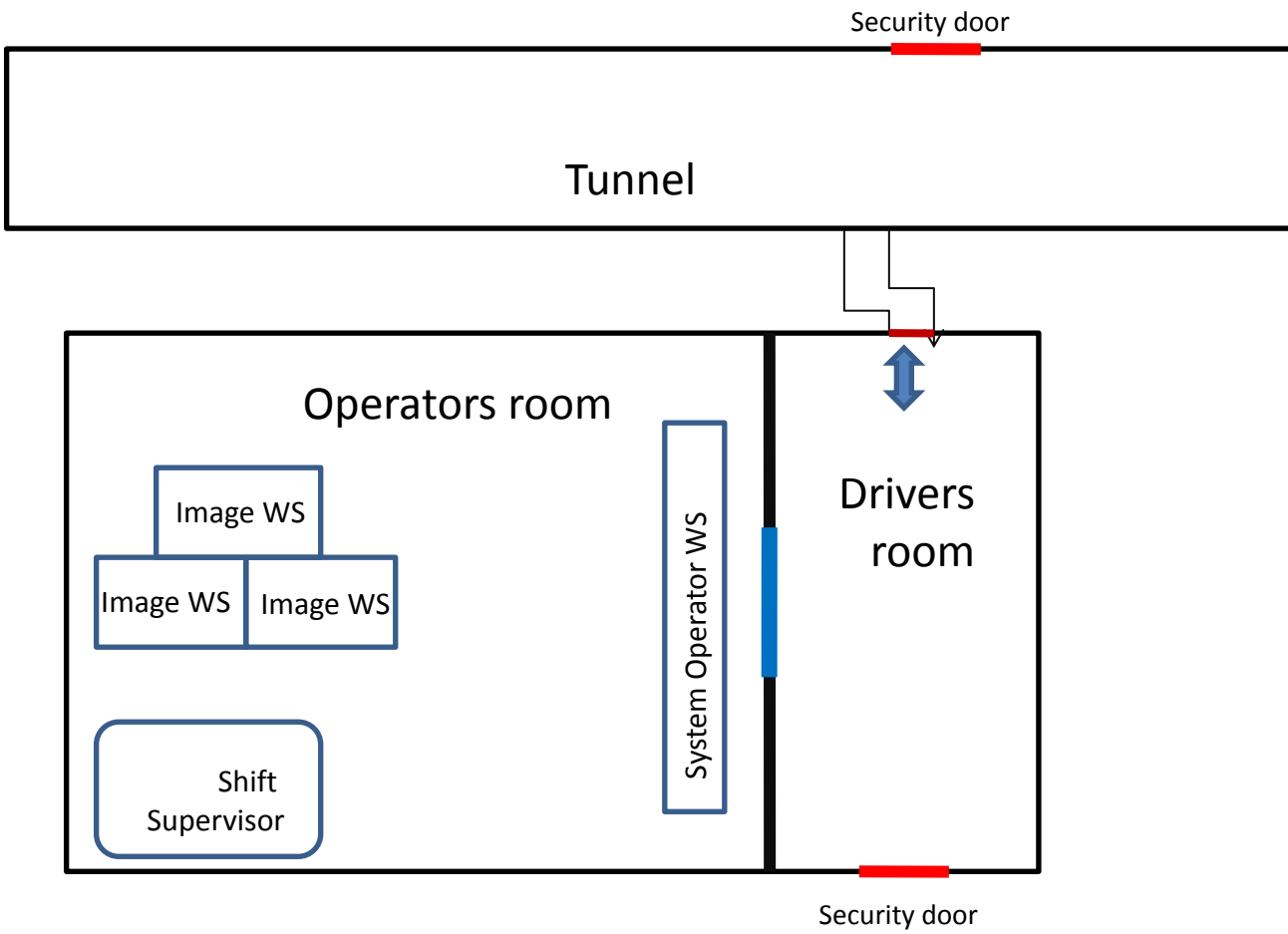
5.3.3.3 Two Communication rooms (area at least 7.5 m^2 /contractor plan) - contractor's design, for:

- Customs use, including biometric access control system
- System's use, including biometric access control system

5.4 Operational area

5.4.1 Components

The Radiography area designated for screening operation and control is shown in the schematic drawing of that part.



The area comprises of the following types of workstations, each one designated for its specified functions:

a. Radiography control system:

Radiography System Operator WS–workstation dedicated to the operation, control and supervision of the entire x-ray screening process.

b. Image Analysis WS (three):

1. Used by the radiographic image analyzers.
2. Image Training WS (this WS will be relocated to the training room in manual site office building)

c. Terminal to the Shipment Directing and Monitoring System (SDMS) for traffic control:

SDMS WS - Designated for directing the movement of the shipment from the time of arrival at the check-in until their exit from the site.

d. Shift Supervisor's position:

Responsible for overall supervision at the level of control and monitoring of radiography operators as well as the processes that take place in the Radiography facility

e. Drivers' waiting room

5.4.2 Building

a. Functional classification:

1. System Operation
2. Image analysis and training area
3. Shift supervisor area.
4. Driver's waiting room for the truck drivers waiting during screening of their shipment.
5. Technical rooms, rooms for Electronic equipment
6. Team room
7. Service area, comprising:
   - Kitchenette and dining
   - Toilets
8. Storage and maintenance rooms
9. System technician office
10. Shelter room. (As required by Israeli Regulations)

b. Building characteristics

1. Rigid construction using blocks etc.
2. Finish, decoration, furnishing and wall coverings will be of a high standard – architect's choice and Customer's approval.
3. The whole building (excluding the tunnel) will be air-conditioned – temperature regulated at each zone.
4. One room (for example the team room) will be built to serve as a shelter.

5. The following elements will be installed in each of the work positions and electronic rooms:

   a) Floating floor (TBD at the DR meeting)

   b) Acoustic and decorative wall covering.

   c) Acoustic and decorative ceiling.

   d) Transparent partitions between the WS, with acoustic insulation.

   e) Lighting units with louvers to prevent glare and reflection on computer screens.

   f) Adjustable lighting level separately adjusted according to area's function.

      Each WS will constitute a separate lighting area. Lighting intensity will be adjustable from the standard office level up to a complete blackout, with continuous regulation (dimmers).

   g) Shading devices for all outside windows.

c. The following sections define the operational area contents and workstations.

5.5 Radiography System Operator Workstation **(SO)**

5.5.1 The workstation's configuration will enable the operator to perform functions of both the Marshal and system operator, as follows:

a. Opening / closing the doors of the radiography tunnel

b. Directing the trucks (using the PA system) into the required position inside the tunnel

c. Instructing the truck drivers to leave the trucks and supervising them (using the CCTV display) into the waiting room

d. Validate that the drivers left the tunnel and are in the secured waiting room: visually and by using the Drivers ID (serves as an additional interlock)

e. Validate radiation safety status – prior and condition to system operation.

f. Link Shipment data and screening image

g. Operate and monitor the radiography process (RCS).

h. Conclude the screening process;

i. Image acquisition

j. Verification of image quality and confirmation of its transmittance to image analyst workstation.

k. Instructing the drivers to return to their trucks and leave the tunnel.

5.5.2 The System Operator position is located in operators' room adjacent to drivers' waiting room. The connection to the drivers is through a safe bullet proof service window of the type used in foreign change offices.

5.5.3 System operator's WS will comprise of the following elements:

a. Furniture – final design to be approved at the DR.

1. Functional and decorative architecture designed while taking into account aspects of functionality and human engineering
2. Writing surface, covered with Formica, comfortable place for all operational units, keyboards & mouse.
3. Spot lighting for the writing desk and foot rest (upgraded quality)
4. Electronic equipment at operator's desk.
5. Receptionist counter (bullet proof window)
6. Drawers and storage compartments.

5.5.4 Radiography System Controls:

1. All controls required to operate the screening process will be installed on / within operator's desk.
2. The entire process will be displayed dynamically in a graphic form and in real time on screens to be set up on the front panel of the console.
3. Telephone- Smart extension
4. PA system

5.5.5 CCTV system (CCTV – R) control and display WS

1. This CCTV system, designed as part of radiography system's safety measures and based on fixed cameras installed at the entrance, the exit, corridor exit and along the length of the tunnel, will display the

status of the various stages during the screening process, for example:

- Opening of the shielding doors
- Truck movement into the tunnel
- Trucks stopping at the required position
- Drivers leaving the trucks and entering the tunnel corridor
- Closing of tunnel doors
- Screening process: movement of the gantry
- Doors opening
- Drivers return to trucks
- Exit of the trucks

The CCTV system will display, on desk monitor and on a wall mounted screen, the entire volume of the radiography tunnel to ensure radiation safety (no one was left in the trucks or the tunnel volume).

2. Switches, screens and supervisory equipment for the CCTV system will be installed on the front panel.

5.5.6 Driver's Ticket Reader

5.5.7 Terminal of SDMS WS – control, monitor and display devices:

1. SDMS interface to link shipment's data and radiography image
2. SDMS monitor – to display Vehicle ID

5.6 <u>Drivers' Waiting Room</u>

5.6.1 The room is intended to serve as waiting area for the drivers while their truck is screened.

5.6.2 The room will be adjacent to tunnel corridor: drivers' entrance and exit only through tunnel radiation safety door.

5.6.3 In addition, the room will be adjacent to system operators' position, planned in a way that assures that the waiting drivers will not be able to see the process or its

products, while the system operator will be able to assure that they stay in the room as requested and are available when needed.

5.6.4 The room will have seating furniture for 3 persons.

5.6.5 Generally, the additional door connecting drivers' room and Customs operators' area will be used by Customs operators only or in an emergency. During routine operation the drivers will not use this exit (security /emergency door)

5.7 Analysts' positions (IAW)

5.7.1 Three (3) working positions for image analysis are defined including infrastructure one for additional.

5.7.2 Image Analysis Training workstation, identical to the IAW positions will be located at training room (manual site office building).

5.7.3 All the above positions will be fully equipped as per Contractor's proposal and Customer approval at the Design Reviews.

5.7.4 Furniture for image workstation positions will be of upgraded quality, based on decorative wood furniture, including:

a. Functional and decorative architecture designed while taking into account aspects of functionality and human engineering,

b. Writing Formica surface, Formica sides and comfortable place for the keyboards and mouse

c. Spot lighting for the writing desk and foot rest.

d. Space and infrastructure for at least 4 terminals (monitors, keyboards, etc) and a telephone

e. Drawers and storage compartments.

5.7.5 Specific equipment at each of the 3 IAW and 1 the Training position, including:

a. Equipment required for performing image analysis, as specified by the Contractor will be installed on / within operator's desk including, at least:

1. Screens to display the X-ray images

2. Data Display Monitors, displaying, at least:

- Shipment data - previously keyed-into system database and analysis results
- Customs data (terminal supplied by the Customer)

3. Functional controls
4. Keyboards and mouse
5. Telephone set

b. High quality Image Printer

5.8 <u>Shift Supervisor's Position</u>

5.8.1 The operator of this position will be responsible for supervision and operational management of all the control and monitoring functions.

5.8.2 The shift supervisor's position will include the following elements:

a. Furniture

- Managerial desk, supervisor's upgraded quality, functional and decorative architecture, writing surface and a foot- rest, suitable for the installation of the defined electronic equipment.
- Drawers and storage compartments

5.8.3 Set for Analysis of radiographic images.

1. The shift supervisor, from his position, will be able (with special authorization) to manually intervene and control the process of sending an image from one analysis position to other.
2. The supervisor will have full control of the computerized system for processing and displaying images and will be able to perform all required functions on radiography images.

   This is crucial in cases images are transferred to shift supervisor's position by analysts, requiring his opinion and final decision.
3. The following will be installed on / within workstation desk:
   - System screens: to display and manipulate images.
   - Terminal to Facility Data base (FCS) and Customs computer

- Keyboard and mouse.
- Functional controls.
- Color Printer
- Telephone – Smart Extension
- Fax machine

5.8.4 SDMS workstation

1. SDMS WS will be deployed in the shift supervisor's position including a control and supervision unit identical to the traffic control position.
2. The control and display unit will enable a dynamic graphic display of traffic status in the site and enable performing authorized operations in real time.
3. Driver's ID Ticket printer – the device (password controlled) to be used for additional ticket.

5.8.5 CCTV

1. Outputs of all TV cameras installed in the site at the various locations (including CCTV-R) will be fully displayed in the Radiography shift supervisor's position.
2. The position will include the following elements:
    - Screens.
    - Switches.
    - Control unit for the P/T/Z movements of the cameras.

5.9 Operators main room additional equipment

The following devices will be installed in operators' room available and seen by everyone:

5.9.1 Large Screen, wall mounted, designated for display of radiography images generated at every IAW.

5.9.2 Display of the current radiation level (Geiger counter) in the room

5.10 **The Team room**

5.10.1 The team room is designated for 8 persons. As per building plan, in the radiography building the team room may be located in the shelter.

a. The room will include:

b. Seating furniture for 5 persons

c. Dining Table and six chairs

d. Cabinets, books cases, TV set (at least 42”).

e. Telephone set

f. Communication Infrastructure for future use

5.10.2 If located in a shelter; additional equipment, according to shelter requirements (for example: television set)

5.11 Technician room

5.11.1 Technician room will be used by the on-site technician and will enable him to perform all maintenance tasks.

5.11.2 The room will be adjacent to spare parts storage room.

5.11.3 The room will include:

- Standard office set: writing desk, chair, etc.
- Drawers and storage compartments
- Computer WS
- Telephone set

5.12 **General Services**

5.12.1 The Radiography building is intended for use of 10 workers:

5.12.2 <u>Toilets</u>

The toilet facilities, for men and women and handicapped, will include:

a. Toilet cubicles.

b. Washing corner.

c. Personal lockers for 10 persons.

d. Lower cupboards

5.12.3 Drivers toilets (men/ woman)

Entrance to this toilets will be directly from outside (not through the building).

5.12.4 Utilities room (cupboards)

5.12.5 Kitchenette and dining room

5.12.5.1 The kitchenette will include:

- Upper and lower kitchen cupboards.
- Sink and hot and cold water taps.
- Marble surface.
- Power outlets for additional equipment (architecture design)
- Hot and cold water bar (example: Tami 4)
- Electrically-heated burners.
- Refrigerator (full size)
- Microwave oven
- Additional devices for: paper towel, soap, garbage, etc. architecture design

5.12.5.2 Dining room, including:

- Dining Table and six chairs

5.13 Furniture and all devices, proposed by Contractor architect, require approval by the Customer.

6. Manual examination site (M)

6.1 General

6.1.1 Containers and other cargo that has been defined as requiring opening and itemized contents examination will be directed to this site, either following a priori customs plan or as a result of the screening process.

6.1.2 The Manual inspection site will comprise of the following components:

6.1.2.1 Inspection area, used for manual inspection of unloaded cargo, that originated either as containers content or loaded on vehicles (in pallets or other packing type) (net area of ~ 1100m^2)

6.1.2.2 Inspection pit area; for inspection of vehicles (net area of ~ 550m^2)

6.1.2.3 Equipment required as part of the inspection procedures (small screener, explosive detector, etc)

6.1.2.4 Storage area (equipment, spare parts, confiscated cargo, confiscated special cargo)

6.1.2.5 Office building (net area of ~ 400m^2), including technical equipment rooms

6.1.2.6 Service and Maintenance area

6.2 Manual Examination site

6.2.1 The site shall be designed to inspect at least 10 loaded carriers simultaneously.

6.2.2 The site will comprise of two (2) parts, according to packing type:

a. <u>Containers</u>

Cargo loaded in standard containers loaded on trucks will be inspected using a ramp or platform with height adapted to the height of the trailer or truck platform (about 1.4 m). This method will make it possible to unload each of the containers directly by use of a fork-lift.

b. <u>Pallets Carriers</u>

Palatalized or freely packed cargo loaded on vehicles will be inspected in a on the ramp after being unloaded using forklifts.

6.2.3 Unloading Area size

The area size for manual inspection of shipments should be designed for inspection of cargo loaded on 10 trucks:

a. Container / Ramp area – for unloading 5 containers

b. Pallet area - adequate for unloading 5 cargo trucks, while providing convenient access of forklifts

6.2.4 Container area (part of the ramp)

6.2.4.1 Container unloading bays (ramp) will be built for 5 trucks carrying containers.

6.2.4.2 Each bay will include a hydraulic tray that can match the height of the lower edge of the container with the height of the bay. Height will be adjusted by electric controls. The tray will enable smooth movement of a loaded fork-lift from the floor of the container to the bay and in the reverse.

6.2.4.3 Each bay will include signs and markings as follows (TBD at the DR):

- Fixed signs and markings
- Changeable dynamic signs or Traffic light.
- Loudspeaker for PA
- Reader for shipment ID (Vehicle / Driver ticket- according to the specific approved SDMS design).

6.2.5 Pallets unloading area

6.2.5.1 Pallets unloading area will be built for 5 trucks carrying pallets or packaged cargo providing a comfortable access for forklifts unloading the vehicle and carrying the cargo to the examination area.

6.2.6 Examination area

6.2.6.1 The entire cargo examinations area (ramp), of about 1100 m^2, will be air-conditioned and roofed over with an insulated roof.

6.2.6.2 Access to the air-conditioned area will be through 7 rolling gates: 5 adapted for containers to be used by the forklifts unloading the container and additional two gates to be used by the forklifts unloading cargo from pallets unloading area.

6.2.6.3 Examination ramp Infrastructure will include electric panel to power the following

elements:

a. X-ray screening system.

b. Explosives detector.

c. Compressor.

d. Hand tools.

6.2.6.4 CCTV (Manual Site) - The CCTV system will enable observation of the entire inspection area, including detailed observation into each one of the unloaded containers and the entire cargo unloading and examination area.

6.2.6.5 PA - Public address system loudspeakers will be installed at the manual site.

6.2.6.6 Illumination - Floodlighting will illuminate the entire area to enable working conditions during night hours.

6.2.6.7 Work Safety equipment: including emergency showers and eye rinse station (hazardous materials).

6.2.6.8 Fire detection equipment, as required by the Fire local Authorities, will be installed.

A fire-fighting position will be set up in area, including extinguishers and hydrant/hose to extinguish fire with water, as well as all other tools required at such positions.

6.2.6.9 The following rooms and equipment will be installed in the examination area.

6.2.6.9.1 Worktable for handling elements and equipment unloaded from the container will be situated in the examination ramp. The table (size: 1.5 x 3 m.) will be of solid construction, able to withstand heavy mechanical loads.

6.2.6.9.2 Wastebasket and trashcans

6.2.6.10 Storage area

6.2.6.10.1 Temporary, short term storage, holding goods of three (3) confiscated containers (area of about 100m^2) will be provided in the cargo unloading area (in the manual inspection ramp).

6.2.6.10.2 The storage area will be secured and defined by a high fence and three (3) rolling gates.

6.2.6.10.3 Industrial metal shelves will be installed in the storage area suited for storing pallets.

6.2.6.10.4 Storage's entire area will be surveyed by the CCTV.

6.2.6.11 Special storage

6.2.6.11.1 Inside the large storage area a closed and locked compartment will be implemented. This cabin/cubicle/room is intended for use of special valuable confiscated goods: such as liquors/cigarettes.

6.2.6.11.2 The room, size of about 5*5 m^2, will be built of rigid construction using blocks and poured concrete roof, including a shielded, controlled door and grated window.

6.2.6.11.3 The room will be air-conditioned

6.2.6.11.4 Inside the room the following will be installed:

- Operator WS: standard office set (desk, chair, etc.)
- Long shelves along the two sides
- Telephone
- Customs computer
- Communication infrastructure

6.2.6.12 Pallet X-ray screening

6.2.6.12.1 The room, size of ~ 6 m^2, will be used to install the operation workstation of the small x-ray system that will be installed by customs in the examination area.

6.2.6.12.2 The room will be air-conditioned.

6.2.6.13 Explosives Detector room

6.2.6.13.1 The room, size of ~ 6 m^2, will be used to install Customs explosive detector.

6.2.6.13.2 The room will be air – conditioned

6.3 Inspection Pits Facility (P area)

6.3.1 The pits are designated for security inspection of import / passing through vehicles: trucks and private cars.

6.3.2 The pits facility, including offices, pits, storage area and service rooms, will be in a building adjacent to the manual inspection area.

6.3.3 The whole pit examination facility, including the pits and the offices, will be roofed over (insulated roof) and air-conditioned.

6.3.4 The tasks to be performed in the facility include the following functions:

- Vehicle acceptance
- Shipment ID reading (Vehicle number /Driver's ticket or other)
- Inspection of the vehicle
- Input of the inspection results: into Customs computer and into site's traffic control and monitoring system (SDMS)

6.3.5 The pit examination site will comprise of:

a. Pit building comprising of three (3) pits: two of regular size, designated for inspection of both cars and standard trucks and one pit designated to inspect over sized trucks (longer and wider).

b. Office building

6.3.6 Each of the inspection pits will allow inspection of trucks, up to 18m long, as well as inspection of private cars.

6.3.7 Pits building dimensions, for three (3) pits (total of ~500 m^2):

6.3.7.1 Two (2) Standard size pits

- Standard Opening: 20m * 0.80m
- Depth between the opening and upper level; 1.90m
- The space under the pit's opening will be wider than pit's opening

6.3.7.2 One (1) extra long and wide pit: length- 25 m, width – 6.2m

6.3.8 The plan will allow trucks to drive on and off the pits with maximal convenience (openings into the air-conditioned area of the required width). It's preferred that the pit will be designed at road level (0).

6.3.9 The following will be installed in the pit:

- Lighting in working areas
- Air pressure outputs (outside and inside)
- Power sockets
- Windows for natural light and ventilation (as much as possible)
- Oil draining containers
- Rails for crane

6.3.10 Storage room will be provided for vehicle assemblies after dismantling, room for hydraulic lift and tools.

6.3.11 Ventilation system will be installed to ventilate gases ejected from the trucks.

6.3.12 Pit opening will be fenced and covered, in order to take the required safety precautions and prevent pedestrians falling inside while not obstructing the movement of wider vehicle.

6.3.13 The contractor shall present for Client approval his proposal for pit area design, including the efficient cover of pit's opening

6.4 Inspection Pit Offices

6.4.1 The building, being part of the inspection area, is intended for use by mechanics working in the pits. The office, built adjacent to the pits will be air-conditioned. It will include:

a. Offices

b. Tools storage room

c. Service rooms: Toilets, showers

6.4.2 Two office rooms are intended for use by:

a. Mechanics supervisor (1)

b. Three (3) mechanics

6.4.3 Pit Supervisor Office

The supervisor's position will include the following elements:

6.4.3.1 Furniture

- Upgraded quality: Managerial desk, functional and decorative architecture, writing surface and a foot- rest, suitable for the installation of electronic equipment.
- Drawers and storage compartments

6.4.4 Mechanics office will include:

a. Furniture - 3 Standard Office Sets and one desk for RCK and SDMS WS.

b. Telephone set on each desk

c. Customs computer workstations (to be supplied by the Customer)

d. Driver's ID Ticket Reader

e. Recheck WS (IAW workstation) – required to display radiographic images of the object.

f. SDMS WS - designated for input of inspections results.

g. Driver's ID Ticket printer

6.4.5 Pits storage room, built adjacent and with direct access to the pits, will be used for:

a. Explosives detector

b. Small mobile x-ray

c. Mechanical tools

6.4.6 Emergency care station: Shower and eye rinsing station shall be located in pits working site.

6.4.7 Service facilities

The following will be provided next to the inspection pit, including:

a. One toilet cabinet

b. Two washing sinks, one external heavy duty sink

c. One shower and dressing room.

d. Personal lockers for 4 persons

6.5 Office Building (M - building)

6.5.1 General

6.5.1.1 The offices, area of about 400 m^2 in a two story building, will be built next to the manual inspection area and will be used, according to the operational procedures defined in Sections 3 of this document, by:

a. Customs managerial, technical and operational teams

b. Teams working in the manual inspection site (porters, drivers, etc)

c. Visitors

d. Site management team

6.5.1.2 The building construction (entrance, stores) shall be suited for handicap use (as defined by the Israeli regulations.)

6.5.1.3 The offices in the Manual building comprise of the following main functions (number of personnel):

a. Facility manager (1)

b. Secretary (1)

c. Training room for operators (up to 30)

d. Inspectors supervisor (1)

e. Shift supervisors (3)

f. Inspectors officers (7)

g. Re-check workstation

h. Customs assessor (1)

i. Customs agents (~4)

j. Two Trucks drivers' waiting areas (13) - one standard for locals and the other a secured room.

k. Customs controller room (2)

l. Team rooms

m. Porters room (20)

n. Official Representatives: Ministry of Health (1), Agriculture ministry (1).

o. Equipment room (printers, fax, paper shredder, other utilities)

p. Kitchenettes and dining facilities

q. Service rooms: Toilets and Showers, utility rooms

r. Shelters

s. Technical rooms: communication, power, telephone, etc.

6.5.1.4 The office building will be a 2 story construction.

6.5.1.5 The 1-st floor, examination area comprising, in addition to the technical rooms, of the following rooms:

a. Cargo/ manifest controller (1)

b. Inspectors supervisor (1)

c. Inspectors room (1)

d. Shift supervisors rooms (2)

e. Customs Assessor (1)

f. Customs Agents (4)

g. Drivers rooms (2) +Toilets and kitchenettes

h. Porters room + Toilets, kitchenettes and dining

i. Regulator's representatives (Health & Agriculture) rooms (2)

j. Customs service rooms (Toilets, kitchenettes and dining)

k. Shelters (for about 50)

l. Team rooms (~ 16)

6.5.1.6 The rest defined functions may be located, per final plan, on the second floor.

6.5.1.7 Access to all Customs offices from the examination area shall be controlled using employee's card.

6.5.1.8 The next sections define the requirements of each one of these functions including their preferred locations.

6.5.2 <u>Facility Manager Office</u>

6.5.2.1 The Manager office has two parts:

a. Site secretary room

b. Manager room

6.5.2.2 Facility manager office, on second floor, will have a net area of about 13 m^2

6.5.2.3 Site manager office will be furnished as for a Manager, with a high quality desk, Manager's chair, chairs for the Manager's guests and cupboards suitable for manager's office.

6.5.2.4 The following equipment will be deployed:

a. CCTV Workstation

- Display screen not less than 24"
- Selector unit that will enable displaying each of the cameras, covering:
  - All parking areas.
  - All unloading areas.
  - Entrance / Exit gates;
  - All traffic routes in the site and surrounding areas.
  - Perimeter fence cameras

b. Site Traffic control (SDMS) Workstation, enabling:

- Display, control and monitor in real time, using a dynamic graphic display, of vehicles and cargo traffic, operations and status in the site.

- If needed, the manager will be able, having the appropriate authorization (by means of password) to manually intervene, reorder and change routings, thus controlling the traffic flow, as well as exit gate passes.
- Creation of Statistical reports of site operation

c. Customs Computer workstation (supplied by the Customer)

d. Telephone(smart extension)

6.5.3 Secretary room

6.5.3.1 Secretary room, next to manager's room, is intended for one worker.

6.5.3.2 The room will have an area of 9 m^2.

6.5.3.3 The room will include:

a. Standard office set, extra office cupboards

b. Two telephone sets (one Smart extension)

c. Customs Computer (supplied by the Customer)

d. Fax machine

e. Printer

6.5.4 Staff Training room

6.5.4.1 The room, building 2-nd floor, is intended for training of up to 30 people.

6.5.4.2 The following furniture and equipment will be in the Training Room:

a. High standard meeting table, preferable a modular one.

b. Power and communication sockets: one regular module on the wall and two additional modules; each one with 8 communications and 8 power sockets will be installed in the table. The required infrastructure with a decorative spine will be under the table.

c. Conference chairs - 34 chairs (24 by the table, 10 additional)

d. Image Training WS (identical to IAW) to be used for training and testing image operators.

e. Customs Computer WS (Computer supplied by the Customer)

f. Barco projector and screen

g. White marker board and Map board

h. Service dry counter: cupboards, means to serve hot / cold drinks, small refrigerator. The counter will be of the same architectural design as the overall design of the room.

i. Telephone set

6.5.5 Inspectors' supervisor

6.5.5.1 The tasks of the Inspectors' supervisor, defined as second in command, are to control and monitor operations in the site, particularly examinations carried out in the manual inspection area.

6.5.5.2 The room is intended for one person.

6.5.5.3 The room will be located viewing the unloading area (adjacent to the working site) and will have an area of 12 m^2.

6.5.5.4 The room will include:

a. Office set (upgraded quality)

b. Customs Computer workstation

c. Telephone – smart extension;

d. CCTV workstation, displaying the unloading / working area (in addition to the rest of the cameras).

e. Site Traffic control (SDMS) Workstation – with capabilities as defined in manager's workstation.

f. Driver's ID Ticket printer

6.5.6 Shift Supervisors – (M) site

6.5.6.1 The tasks of the inspectors' Shift Supervisor include supervising the team of inspectors designated for cargo examination on the unloading ramp.

6.5.6.2 There are three (3) shift supervisors, positioned in 3 rooms.

6.5.6.3 Each room is intended for one person and will have an area of 12 m^2.

6.5.6.4 Two rooms will be located viewing the unloading area on both sides of inspectors room, (on the ground floor, adjacent to the working site)

6.5.6.5 One room will be located on the second floor

6.5.6.6 Each room will include:

a. Furniture: Office set (upgraded quality)

b. Computer workstation

c. Telephone – smart extension.

6.5.6.7 Each of the two rooms on ground floor will also include:

a. CCTV WS

6.5.7 Cargo Controller room

6.5.7.1 The task of this officer is control of inspected cargo status.

6.5.7.2 The room, area of about 12 m^2, is intended for use by two workers.

6.5.7.3 The room will be located next to inspectors room (ground floor)

6.5.7.4 The room will include:

a. Furniture: Office set (upgraded quality), office cupboards,

b. Computer workstation

c. Telephone – smart extension

d. SDMS WS

6.5.7.5 The room will be planned with a counter/ reception window to customs agent room.

6.5.8 Customs agents

6.5.8.1 The room, area of 8 m^2, will have an additional door providing access of customs agent to the reception counter directly from the manual inspection area.

6.5.8.2 The room shall include a long stand (with communication and electrical sockets)

6.5.9 Inspectors room

6.5.9.1 General

A team of inspectors will perform Inspection of the cargo/containers. The room will be located adjacent to the unloading area and between the two rooms of inspectors' supervisors with door opening on to the ramp.

6.5.9.2 Inspectors' room will comprise of 7 workstations:

a. Six (6) regular workstations

b. One (1) - Recheck workstation (defined in Section 5)

c. SDMS WS.

6.5.9.3 The room will have an area of ~40 m^2.

6.5.9.4 The room will include:

a. Furniture: 6 Standard Office sets, 1 special for Re-Check and SDMS WS.

b. 6 Customs Computer workstations

c. Transparent partitions between the WS, with acoustic insulation.

d. Re-check workstation (defined in the next paragraph)

e. SDMS Workstation

f. Readers for:

- Driver ID ticket
- Vehicle ID

g. 6 Telephone sets

6.5.9.5 Re-check workstation

a. Cargo suspected as result of radiography inspection will be routed to manual inspection site. At the recheck station the inspector will start the manual inspection using the x-ray images and notes previously made by Image Operator as well as data from facility database.

b. This workstation will be identical to the Image Analyst workstation (as described).

Basic configuration will include:

1) Screens for display of radiographic images and for the display of container data, as well as all the necessary functions and controls for image processing.

2) Color printer (adequate for images)

6.5.10 <u>Customs Assessor room</u>

6.5.10.1 The room is intended for the on duty customs assessor

6.5.10.2 The room, net area of ~9 m^2 adjacent to the inspection area and customs agent room will include a reception counter to be used by customs agents.

6.5.10.3 The room will include:

a. 1 Standard Office sets

b. 1 Computer workstation

c. 1 Telephone sets.

d. Printer

6.5.11 <u>Truck drivers' waiting area</u>

6.5.11.1 Two (2) rooms are designated for use by truck drivers waiting, while their carrier/cargo is being inspected: one for local drivers and the other for foreign drivers.

6.5.11.2 The location of the rooms should be easily accessible from trucks unloading area far as possible from Customs room: keeping the driver's from crossing / entering into Customs inspectors' rooms.

6.5.11.3 Each room is intended for use of 13 persons at the same time and will have area of about 15 m^2.

6.5.11.4 Each room will include:

a. 2 dining tables, each with 4 chairs, 6 additional chairs

b. Coffee/Tea counter including:

- Cupboards, means to serve hot / cold drinks: hot/cold water bar (example Tami 4)
- Marble surface.
- Power outlets for additional equipment.

c. Cabinet and TV set.

d. Electronic sign' part of the SDMS, showing vehicle status (inspecting/ exit/ etc)

e. PA

f. Telephone

6.5.11.5 Service rooms will be built adjacent to each one of the drivers' rooms. In addition to toilets and regular sinks, the rooms will be equipped with a bench and means for rinsing feet.

6.5.11.6 Location – the two drivers' rooms (local and foreign) will be located as far as possible from customs inspectors' rooms.

6.5.11.7 Local drivers waiting room

a. Located close to pit area, will have a window facing the inspection area with a counter (similar to the one previously defined in radiography building) through it Driver ID will be transferred to the operators/porters.

b. Smoking area (roofed, including a concrete table, bench, ashtrays and garbage cans)

6.5.11.8 Foreign drivers waiting room

a. Foreign driver must be separated from the activity in the inspection ramp.

b. Drivers' entrance to the waiting room will be through a small lobby, equipped with a security scanner (provided by the customer) and security counter operated by the security officer.

c. Through the counter (similar to the one previously defined in radiography building) the driver, after being cleared, will transfer the Driver ID to the officer/porter.

d. The room will include an exit door to a roofed yard.

e. Foreign drivers' yard will include:

- Concrete table, bench
- Garbage can, concrete ashtray, etc.

f. Drivers toilets facilities

6.5.12 <u>Porters room</u>

6.5.12.1 The room, area of ~ 22 m^2, is intended for use by up to 20 persons: the fork-lift drivers and the porters working on the ramp.

6.5.12.2 Location – separated (as far as possible) from inspectors rooms.

6.5.12.3 The facility will include:

- Kitchenette - as defined
- Dining area - 2 tables with 6 chairs each
- Toilets and a shower

6.5.13 Regulator's Representative rooms (2)

6.5.13.1 Two offices will be designated for use by the representatives of:

- Ministry of Health
- Ministry of agriculture

6.5.13.2 Each office, intended for use by 1 person, will have an area of about 9 m^2.

6.5.13.3 The office will include:

a. Standard office set, including computer workstation.

6.5.14 Team rooms

6.5.14.1 Two Team rooms, designated to be used by Customs employees, will be included, one at every floor, each room is intended for use by up to 10 persons.

6.5.14.2 Each room will include:

a. Seating furniture for 5 persons
b. Dining Table and four chairs
c. Cabinets, cases for books and magazines, TV set
d. Telephone set
e. Communication Infrastructure for future use

6.5.15 Service rooms: Showers and Toilets

6.5.15.1 Number of toilets in the building will be as required according to number of employees and visitors: men, women and handicaps.

6.5.15.2 The Manual inspection building is intended for use by:

a. Custom employees: 25
b. Custom agents (on site at any time): 10
c. Total visitors (not employees) during one shift: 100

6.5.15.3 Toilet facilities will be provided for:

a. Custom employees & Visitors

b. Fork-lift drivers & porters (near/part of porters room)

c. Drivers – as defined (part of drivers room)

6.5.15.4 Facilities for Custom employees will be provided for men and women and will include:

a. Toilet cubicles.

b. Washing corner.

c. Personal lockers for 25 persons.

6.5.15.5 Utility room/cupboard, designated to serve as storage of cleaning materials, will be built next/ part of service rooms.

6.5.15.6 Facilities for porters, adjacent to porters' room, will be provided for men and women and will include:

a. Toilet cubicles.

b. Washing corner.

c. Shower (men only)

d. Personal lockers for 20 persons.

e. Dressing cubicles.

6.5.16 <u>Kitchenette and Dining rooms</u>

6.5.16.1 The Kitchenette and dining room will be located at each floor in the manual office building.

6.5.16.2 The Kitchenette and dining facilities will have an area of about 15-20m^2.

6.5.16.3 The kitchenette will include:

- Upper and lower kitchen cupboards.
- Sink and hot /cold water taps.
- Marble surface.
- Hot and cold water bar (ex. Tami 4)
- Electrically-heated burners.
- Refrigerator

- Microwave oven
- Power outlets for additional equipment.
- Additional devices for: paper towel, soap, garbage, etc.

6.5.16.4 Dining room, including:

- 2 Dining Tables with six chairs each

6.5.17 Technical rooms

6.5.17.1 Communication: Two rooms, area about 7.5 m^2, built according to regulations with access control (TBD).

6.5.17.2 Power room: according to contractors design.

6.5.17.3 Office Utility room: The room, area of 9 m^2,, is designated to serve as storage of office supply

6.5.18 Shelters

6.5.18.1 Shelters will be built at each floor: one or two, as required by the regulations, including:

- TV set, at least 42”

6.5.18.2 One of the shelters will be furnished as a meeting room:

- Modular table and 8 chairs
- Customs computer

7. Kennel

7.1 General

7.1.1 The kennel site is required for keeping and training detection dogs, designated to detect illegal substances.

7.1.2 The site shall be air-conditioned and shall include:

7.1.2.1 Building, including offices and service area

7.1.2.2 Dog cabins

7.1.2.3 Dog Exercise yard

7.2 Kennel building **(KB)**

7.2.1 The building, area of about 55 m^2, includes offices for dog trainers and managerial functions as defined:

- Dog trainers' supervisor
- Dog trainer
- Kitchenette
- Storage room
- Dog Treatment room
- Service rooms: toilets, shower, laundry room, dogs' bathroom, etc.

7.2.2 Trainers Supervisor

7.2.2.1 The room, area of ~ 12 m^2, will include:

a. Furniture (supervisor)

- Managerial desk, upgraded quality, functional and decorative architecture, writing surface and a foot- rest.
- Chairs (supervisor and visitors)
- Drawers and storage compartments

b. Additional power and communication outlets

7.2.3 Dog trainer room

7.2.3.1 The room, area of ~ 9 m^2, will include office furniture: desk, chairs and cupboards.

7.2.4 Treatment room

7.2.4.1 The room, designated for treatments of detection dogs, will have area of ~15 m^2 and include:

- Treatment Table
- Kitchen cupboards (upper and lower)
- Sink and hot /cold water taps.
- Stainless steel surface.
- Power outlets for additional equipment

7.2.5 Storage room

7.2.5.1 The room, area of ~ 6 m^2, with shelves of varied width

7.2.6 Service rooms

7.2.6.1 These include kitchenette, employees' toilets and shower, washer room and dog bath.

7.2.6.2 Kitchenette, including:

- Upper and lower kitchen cupboards.
- Sink and hot /cold water taps.
- Marble surface.
- Hot and cold water bar (ex. Tami 4)
- Electrically-heated burners.
- Refrigerator
- Microwave oven
- Power outlets for additional equipment

7.2.6.3 The toilets facilities will include:

- Toilet cubicles
- Washing corner
- Personal lockers for 5 persons
- Lower cupboards

- Separate Shower

7.2.6.4 The laundry room, located between the office building and dogs' chambers, will include washers and dryers.

7.2.6.5 Utility room/cupboard, designated to serve as storage of cleaning materials, will be built next/ part of service rooms.

7.2.6.6 Dog bath –will be located externally between dog's chambers and office building.

7.3 Dog Chambers

7.3.1 Three (3) double chambers, area of about 45 m^2, located next to kennel building will be roofed over.

7.4 Exercise yard

7.4.1 The yard, designated to exercise dogs, will have area of 120 $m^{2.}$

7.4.2 The yard will be fenced off with fence 2 m high (part constructed and the rest a mesh fence)

7.5 Outdoor storage - 6 m^2 moveable storage, will be positioned on paved /interlocking blocks area in the exercise yard.

8. Exit Cabin

8.1 The exit cabins will be designed for automatic- unmanned control of exit of all vehicles: carriers of cargo and employee vehicles, from the site.

8.2 Check-out operator involvement will be required only in special situations:

a. Visitors cars

b. Malfunction of the traffic control system

8.3 The automatic control will include:

a. Verification of the shipment.

b. Validation of the exit permit.

c. Automatic operation of the gate

d. Manual operation of the gate (for special cases)

8.4 Check-out cabin general design will be similar to the Check-in cabin.

8.5 The cabin is intended for occupancy by one or two persons;

8.6 The entire cabin will be air-conditioned;

8.7 The Checkout worker, in a seating position will control the exit procedure of the truck, having 360^0 view and an eye contact with the truck driver.

8.8 The following readers will be installed at the checkout, for automatic operation:

a. Truck/ Vehicle ID reader - for gate operation

b. Driver's ticket reader - for verification

c. Receipt printer – for printing a receipt for the driver

8.9 Cabin furniture will comprise of custom- built desks, chairs, accessories.

8.10 The desk will comply with the following requirements:

a. Built of wood with Formica surface and foot rest

b. Comfortable position for operating the equipment and devices.

c. Surface for writing and document handling.

d. Drawers, Compartments and accessories for forms and storage compartments closed with doors.

8.11 The following devices will be installed on / within the desk:

a. Lighting unit of the spot type to allow floodlighting the vehicle and the driver's cabin

b. SDMS workstation for Traffic Control

c. CCTV workstation

d. Work surface for office operations

e. Telephone set

f. Announcing post for PA system

g. Printer

h. Control panel for the gates, operating:

- The electric barrier.
- The lock of the pedestrian's wicket.

i. Hot and cold water bar (ex. Tami 4) - Coffee/tea counter.

9. Customs House (H)

9.1 General

9.1.1 Customs House offices, net area of about 450 m^2 will be built as a two story building in the site.

9.1.2 The building will be built in a high standard.

9.1.3 Customs house comprises of the following functions:

a. Offices: Managerial and workers

b. Technical rooms:

- Communication
- Power

c. General functions:

- Meeting rooms
- Archive
- Storage
- Service rooms: Kitchenette and dining, toilets,
- Team rooms
- Shelters

9.1.4 Building main characteristics:

1. Rigid construction using blocks. Functional and decorative architecture designed while taking into account aspects of functionality and human engineering
2. Finish, decoration, furnishing and wall coverings will be of a high standard.
3. The building construction (entrance, stores) shall be suited for handicap use (as defined by the Israeli regulations.)
4. The building will be air-conditioned – temperature regulated at each room.
5. Shading devices will be installed for all outside windows

6. The following elements will be installed in the offices for all work positions:
    a. Acoustic and decorative wall covering.
    b. Acoustic and decorative ceiling.
    c. Lighting units with louvers to prevent glare and reflection on computer screens.
    d. Office desk, writing surface with comfortable place for the keyboards and mouse.
    e. Drawers and storage compartments
    f. Telephone (at each workstation)

9.1.5 The following sections define the functional requirements and define building contents.

9.2 <u>Customs House Manager Office</u>

9.2.1 The Manager Office area, on the second floor, comprises of the following parts:

a. Lobby
b. Office administrator
c. Manager room
d. Conference room
e. Vice manager
f. Kitchenette

9.2.2 Entrance to manager office will be through a lobby and the office administrator's room.

9.2.3 <u>Manager office</u>

9.2.3.1 Manager's office, on building's second floor, will have an net area of about 17 m^2

9.2.3.2 The office will be furnished as for a Manager, with a high quality desk, Manager's chair, chairs for the Manager's guests and cupboards suitable for Customs House Manager's office.

9.2.3.3 The following will be installed in the office:

a. Customs Computer workstation (supplied by the Customer)

b. Telephone(smart extension)

c. Color Printer

9.2.4 Office Administrator's room

9.2.4.1 The room, next to manager's room, is intended for one worker.

9.2.4.2 The room will have an area of 9 m^2.

9.2.4.3 The room will include:

a. Standard office set, extra office cupboards

b. Two telephone sets (one Smart extension)

c. Customs Computer WS (supplied by the Customer)

d. Fax machine

e. Printer

9.2.5 Lobby

Entrance lobby, of the same architectural design as the overall design of the area will include:

a. Seating furniture for 3 persons

b. Service dry counter: cupboards, means to serve hot / cold drinks, small refrigerator.

9.2.6 Kitchenette

9.2.6.1 The kitchenette will include:

- Upper and lower kitchen cupboards.
- Sink and hot /cold water taps.
- Marble surface.
- Hot and cold water bar (ex. Tami 4)
- Electrically-heated burners.
- Refrigerator
- Microwave oven

- Power outlets for additional equipment

9.2.6.2 Additional devices for: paper towel, soap, garbage, etc.

9.2.7 Conference room

9.2.7.1 The conference room, adjacent to manager's room, will have area of 20 m^2 and will be used for meetings of up to 12 persons.

9.2.7.2 The following furniture and equipment will be in the conference room:

a. High standard table, preferable a modular one and 12 chairs

b. Power and communication sockets (8 communication and 8 power sockets) will be installed in the table. The required infrastructure with a decorative spine will be under the table.

c. Customs Computer WS (supplied by the Customer)

d. TV set, at least 50'', computer connected.

e. Service dry counter: cupboards, means to serve hot / cold drinks. The counter will be of the same architectural design as the overall design of the room.

9.2.8 Vice Manager Office

9.2.8.1 Vice manager's room, will have an area of about 13 m^2

9.2.8.2 The office will be furnished with a high quality desk, chair and guest chairs and cupboard suitable for manager's office.

9.2.8.3 The following will be installed in the office:

a. Customs Computer workstation (supplied by the Customer)

b. Telephone(smart extension)

c. Color Printer

9.3 Offices

9.3.1 The following table defines the requirements for each of the additional office rooms

No.	No. of Rooms	Function	Workers / room	Room net area (m^2)	Furniture
1	1	Administrator	1	9	Standard
2	5	Director	1	13	Upgraded
3	2	Supervisor Assessors	1	12	Upgraded
4	2	Assessors	4	28	Standard
5	1	Coordinator (Confiscated)	1	9	Standard
	1		1	12	Upgraded
6	1	Supervisor	1	12	Upgraded
7	3	Investigator	1	9	Standard
8	1	Supervisor (Investigator)	1	12	Upgraded
9	2	Coordinator	1	12	Upgraded
Total	19				

9.3.1.1 Each office will be furnished with an office set, chair, guest chairs and cupboards.

9.3.1.2 The following will be installed in the office:

a. Customs Computer workstation (supplied by the Customer)

b. Telephone(smart extension)

9.3.2 <u>Archive</u>

9.3.2.1 An archive to contain Customs House documents, area of about 50 m^2, will be built.

9.3.2.2 The following will be included:

a. Shelves and Office cupboards customized for archive use

b. Telephone

c. Standard Office set; desk and chair

9.3.3 Meeting room

9.3.3.1 The meeting / auditorium room will be used for meetings of 60 persons. The contractor will present room's plan for Customer approval.

9.3.3.2 The following furniture and equipment will be installed:

a. High standard modular table.

b. 60 heavy-duty chairs

c. Power and communication sockets will be installed in the table. The required infrastructure with a decorative spine will be under the table.

d. Customs Computer WS (supplied by the Customer)

e. Barco projector and screen

f. White marker board and Map board

9.3.4 Kitchenette and dining room

9.3.4.1 Two dining rooms will be included: one Kitchenette with dining facilities at each floor.

9.3.4.2 Each kitchenette will include:

- Upper and lower kitchen cupboards.
- Sink and hot and cold water taps.
- Marble surface.
- Power outlets for additional equipment.
- Hot and cold water bar (ex. Tami 4)
- Electrically-heated burners.
- Refrigerator
- Microwave oven
- Additional devices for: paper towel, soap, garbage, etc.

9.3.4.3 Each dining room will include:

- Two/three dining tables with six chairs each.

9.3.5 Office Utility room

9.3.5.1 The room, area of 9 $m^{2,}$ is designated to serve as storage of office supply.

9.3.6 Service rooms: Toilets and storage

9.3.6.1 Toilets facilities will be installed for men, women and handicapped at each floor.

9.3.6.2 Number of toilets in the building will be as required according to number of employees and visitors:

- Employees: 40
- Visitors : 40

9.3.6.3 Utility room/cupboard, designated to serve as storage of cleaning materials, will be built next/ part of service rooms.

9.3.7 Shelters – At each floor, as required by the regulations

9.3.7.1 One of the shelters will be furnished as a meeting room:

- Meeting table
- 10 chairs
- Power and communication sockets
- Customs WS

9.3.8 Communication rooms (2)

9.3.8.1 Each room (telephone- “black” and communication-“red”), area of 15 m^2 are designated to serve as site’s main communication rooms (upon contractor’s plan)

9.3.8.2 Access control system (Biometric) will be installed at communication room shielded door.