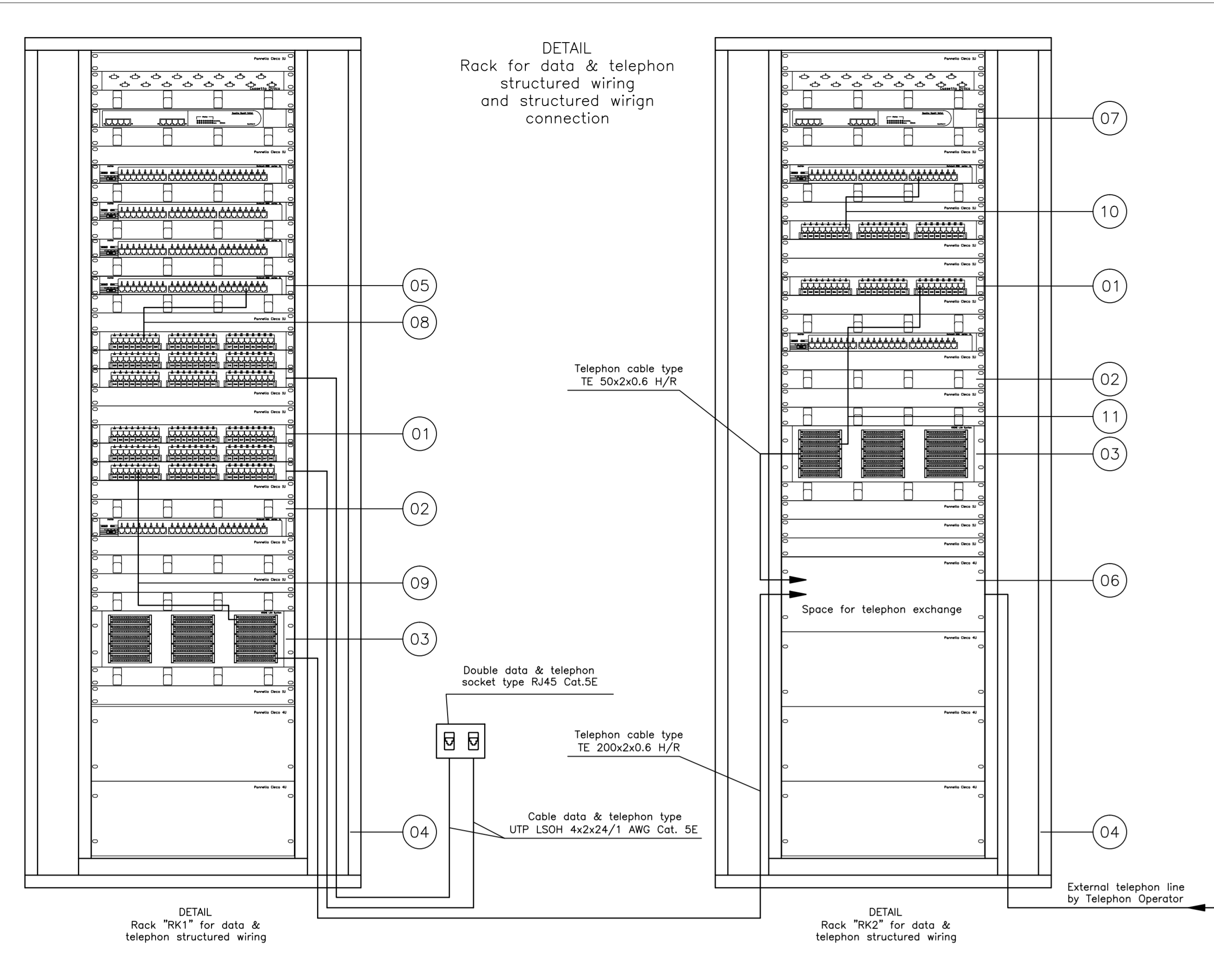


EQUIPMENTS DETAILS



RACK DATA & TELEPHON EQUIPMENT	
01	PATCH PANEL 24 PORTS RJ45 CAT. 5E - Connectix Cabling System Enhanced Category 5 UTP Patch Panels provide exceptional performance for high speed LAN's including Gigabit Ethernet applications. Performing in excess of the TIA/EIA-568-B specification. - Individual colour coded sockets allow quick and accurate terminations.
02	Cable Tidy LU 4 Ring - The Connectix Cabling System Cable 4 ring Cable Tidy panel. This metal panel gives extra support for patch leads and prevents obscuring other equipment. - Four rings for horizontal support. - Prevents cable strain. - Makes installation neater and more professional
03	Connection & Disconnection module Type: Krome LSA 110 Number of connection: 150
04	DATA & TELEPHON RACK - 600w x 600D Floor standing Cabinets - 47u sizes - Lockable toughened perspex front door - Four rings for horizontal support
05	3COM SWITCH 2226 PLUS 24+2 PORTS RJ45 The Baseline Switch 2226 Plus is an integral component of this approach, offering: - Automatic assignment of voice traffic to separate VLANs - IEEE 802.1p prioritization and 802.1Q VLANs - IEEE 802.1X authentication - Two dual-personality Gigabit SFP ports - SNMP support
06	Space for telephon exchange location
07	Router for ADSL Network WWW connection
08	n. 72 patch leads RJ45-RJ45 cat. 5E
09	n. 72 patch leads RJ45-LSA 110 system cat. 3
10	n. 24 patch leads RJ45-RJ45 cat. 5E
11	n. 24 patch leads RJ45-LSA 110 system cat. 3

Switch LAN Ethernet

Manufacturer: 3COM
Model: Baseline Switch 2226 Plus (or similar made by other manufacturer)

CONNECTORS
26 total available ports, comprised of:
- 24 dual-personality Digital port pairs, configurable as auto MDI/MDIX
- 100BASE-TX/100BASE-T or SFP

PERFORMANCE
- 8.8 Gbps switching capacity, max.
- 8.6 Mbps forwarding rate, max.
- Wirespeed performance across ports
- Store-and-forward switching

LAYER 2 SWITCHING
- 8,192 MAC addresses in address table 256 port-based VLANs (IEEE 802.1Q)
- Manual link aggregation: 4 10/100 trunks with 8 ports per trunk, max.; additional trunk for SFP ports
- IEEE 802.3x full-duplex flow control
- IEEE 802.1D Spanning Tree Protocol (STP)
- IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)
- Internet Group Management Protocol (IGMP) snooping on Layer 2 interfaces
- Multicast filtering

CONVERGENCE
- 4 hardware queues per port, with IEEE 802.1p Class of service/Quality of Service (CoS/QoS) on egress
- Traffic prioritization at Layer 2 using 802.1p CoS
- Auto VLAN assignment for voice traffic determined by vendor OUI

SECURITY
- IEEE 802.1X Network login:
- 802.1X encryption

MANAGEMENT
Web-based configuration for:
- Port speed and duplex configuration
- Spanning tree
- VLANs
- IGMP snooping
- Link aggregation
- IGMP query
- Traffic monitoring
- Broadcast storm control
- SNMP v1 and v2
Compatible with SNMP management tools like 3Com Network Supervisor and 3Com Network Director
CLI management supports initial setup of switch

LED INDICATORS
Module active, power, network traffic/duplex mode, link status/speed

AT-LANCE TRAFFIC MONITORING
Ports: active, enabled, disabled
Modules: present, active

POWER SUPPLY
Input voltage: 100-240 VAC, 50/60 Hz
Current rating: 1A, max.
Power consumption: 18W, max.
Power dissipation: 46 BTU/hr, max.
Power inlet: IEC 320

DIMENSIONS
Height: 4.4 cm (1.7 in or 1 RU)
Width: 44.0 cm (17.3 in)
Depth: 17.5 cm (6.9 in)
Weight: 1.7 kg (3.7 lb)

ENVIRONMENTAL REQUIREMENTS
Operating temperature: 0° to 40°C (32° to 104°F)
Operating humidity: 10 to 90% (non-condensing)
Standard: EN 60683 (EC 88)

REGULATORY AND AGENCY APPROVALS
Safety: UL 60950-1, EN 60950-1, USA 22 60950-1, IEC 60950-1
Emissions: EN 55022 Class A, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, AS/NZS 3548 Class A
Environment: EN 50088 (EC 88)
Immunity: EN 55024

IEEE STANDARDS SUPPORTED
IEEE 802.1d Spanning Tree
IEEE 802.1p Priority Tags
IEEE 802.1Q VLANs
IEEE 802.1X Port Security
IEEE 802.3 Ethernet
IEEE 802.3ad Gigabit Ethernet
IEEE 802.3x Fast Ethernet
IEEE 802.3z Flow Control
IEEE 802.3z Gigabit Ethernet
ISO 8082-3

PACKAGE CONTENTS
Switch unit, power cord, self-adhesive rubber pads, rack-mount kit, user guide, installation CD, warranty flyer

Manufacturer: VIMAR
Model: EIKON (or similar made by other manufacturer)

Socket point data & telephon type RJ45 Cat.5E composed by following equipments:

- 3-module flush mounting box, (Glow Wire 650 °C), for masonry walls, light blue
- 3-module mounting frame, with screws, for 3-module mounting boxes
- two RJ45 outlet with Panduit (MINI-COM) connector, Cat. 5e, unshielded, T568A/B universal wiring, 8 contacts, 110-type insulation-piercing terminals, white
- round plate 3 module Bright antique white

WIRING DIAGRAM CCTV

Manufacturer: BOSCH
Model: LTC 0455/51 Color Camera - 540 TVL (or similar made by other manufacturer)

- 1/3-inch format CCD imager
- High sensitivity
- Advanced digital signal processing
- 540 TVL resolution without standing picture quality
- Extended sensitivity with nightstare
- Auto detection of lens type with lens wizard
- Easy to install on DC voltages
- Accepts AC or DC voltages

Manufacturer: GE
Model: SYMSAFE-PS-320EA Multiplexer & DVR (or similar made by other manufacturer)

Video

- Inputs 8 looping BNC connectors, NTSC/EIA or PAL/CCIR compatible; auto-terminating
- Conditioning AGC, 0.7 to 14.0 V p-p-rms video accepted
- Horizontal resolution 720 pixels
- Vertical resolution 576 lines
- Video compression standard MPEG-4
- Monitor A composite one monitor A multiscreen output, BNC connector, NTSC/EIA or PAL/CCIR compatible
- VGA Some display content on monitor A
- Monitor B composite one monitor B multiscreen output, BNC connector, NTSC/EIA or PAL/CCIR compatible

Recording

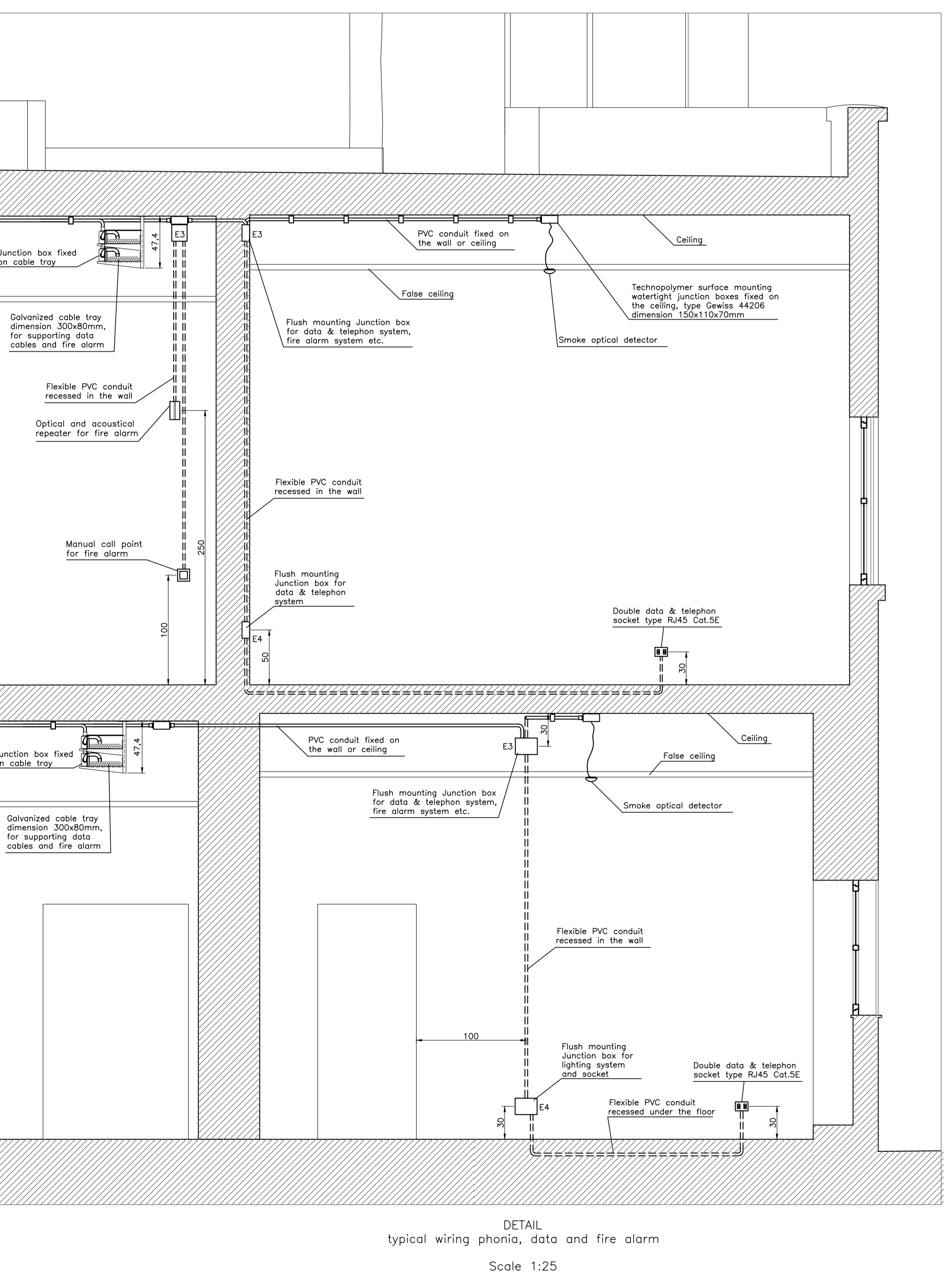
- Hard drive 2-HDD S-ATA with Cooling Tunnel design extends hard drive life
- Operation
- Languages 7
- Control USB Mouse, Jog/Shutdown, IR remote
- Push buttons
- Alarm indication
- Unique indication bar
- Alarm acknowledgement Yes

Miscellaneous

- Input voltage 120 to 240 VAC, out-ranging
- Operating temperature 0 to 40°C
- Dimensions (WxD) 89 x 395 x 420 mm
- Weight 11kg

Regulatory

- FCC, CE, UL
- Relative humidity 10 to 95%, noncondensing



VIDEO & AUDIO DOOR ENTRY SYSTEM

WIRING DIAGRAM

TECHNICAL SPECIFICATION

Manufacturer: VIMAR (or similar made by other manufacturer)
Model: (see the following description)

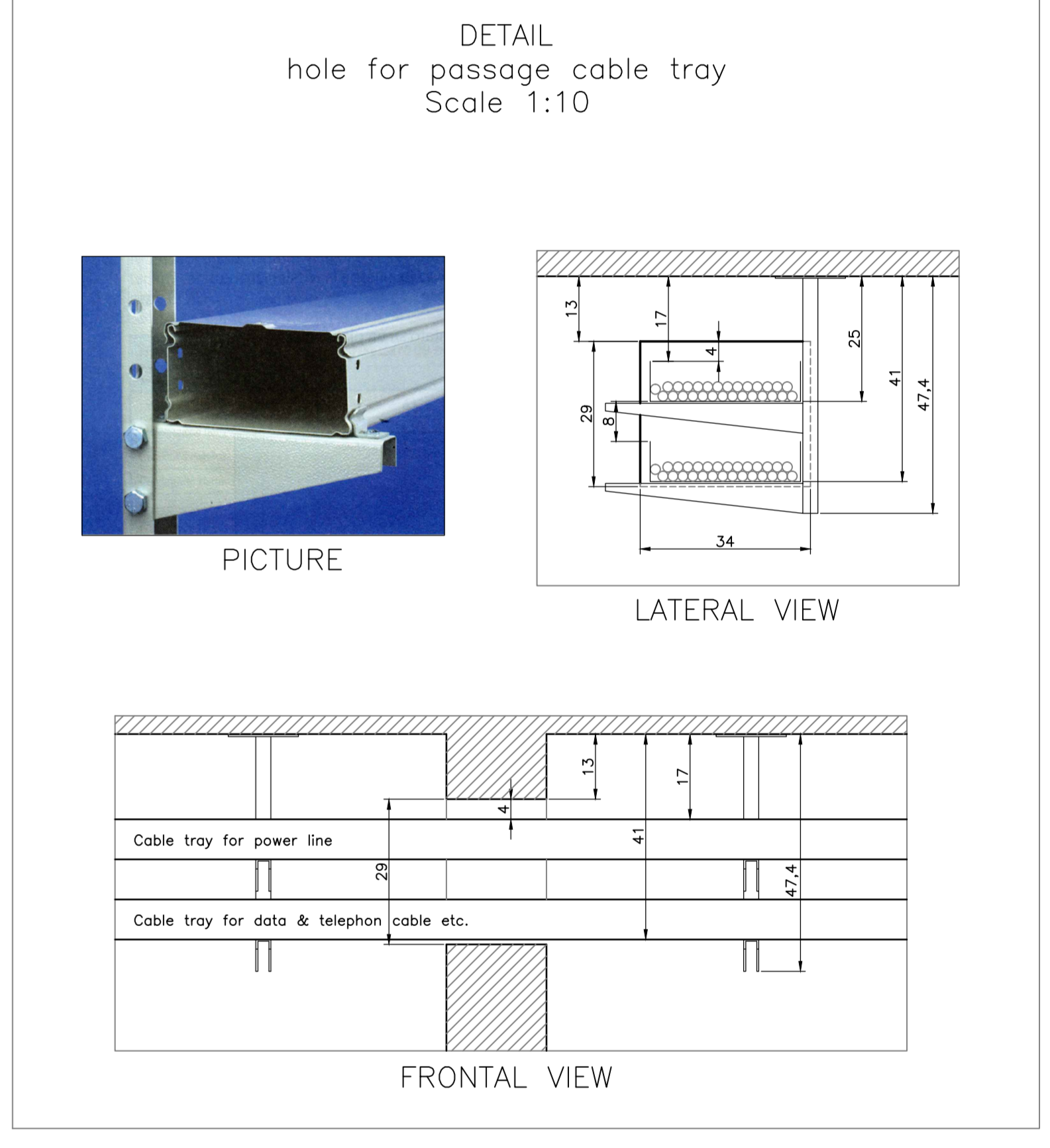
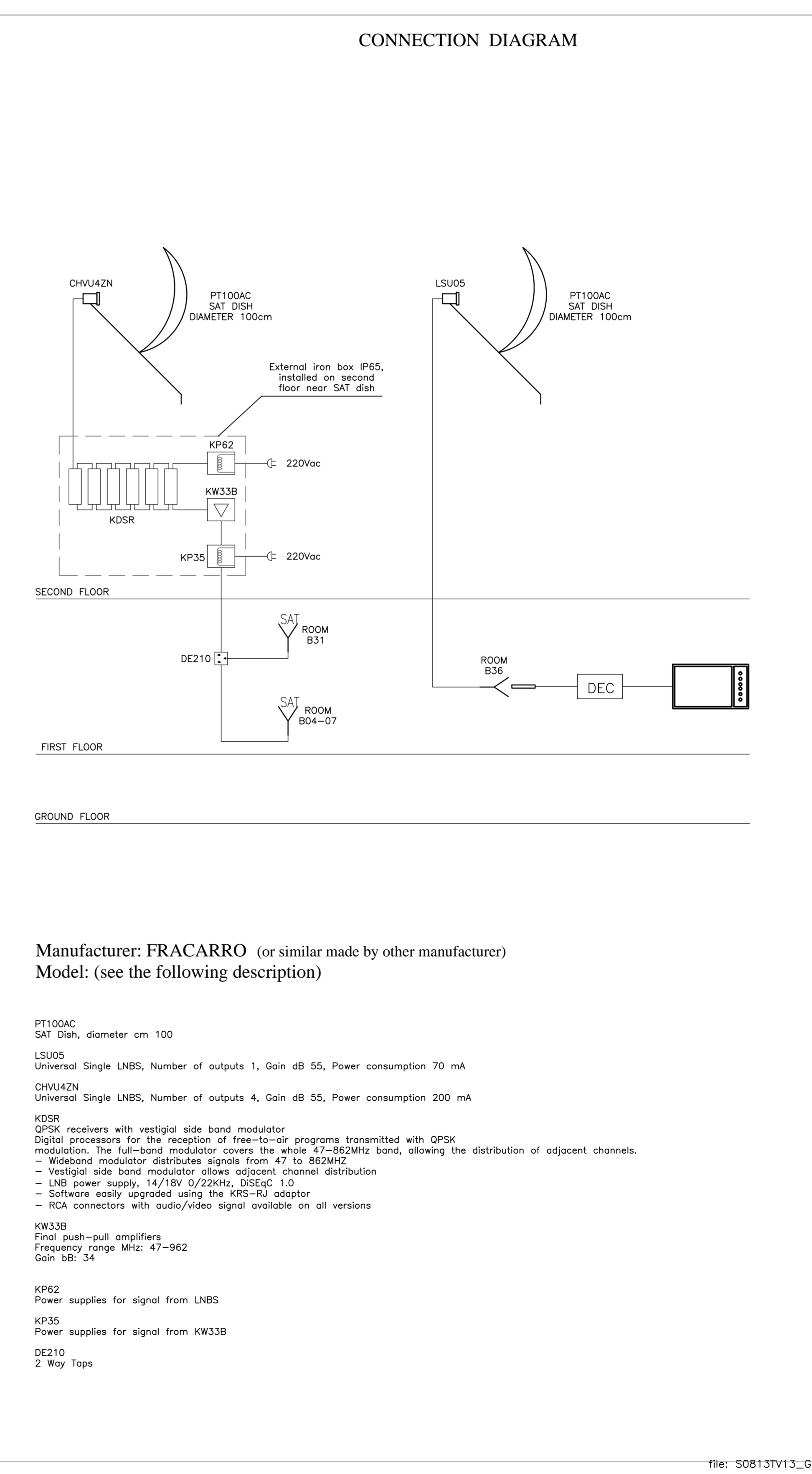
Video door entry system types 6303
Available colours: white (standard colour), Material: ABS
Installation: supplied with back-plate for wall-mounting.
Equipment supplied: back-plate (type R631) and 4 wall fixing screws
Video input signal: 1Vpp on 75Ωm
Supply voltage: from 15V D.C. to 20V D.C.
Operating temperature: from 0 to 40°C

Description: entrance panel with B/W camera, speech unit, "Tapped, Wall Please" sign and call push-button
Colours: gold
Plate material: satin-finish brass with PVD protection treatment
Encoding system: 4-digit
Supply voltage: 13.5V D.C.
Lighting: bulb-holder and 24V 3W bulb (the number of bulbs depends on the model of entrance panel)
Camera: Sensor 1/4" B/W CCD
Lens: 3 mm
Video output: 1 Vpp on 75 Ohm coaxial cable
Subject lighting: with infrared LEDs over a maximum distance of 50 cm
Panel thickness: 4 mm
Depth of panel back box: 70 mm
Equipment supplied: Flush-mounted back box in galvanised steel
Programmable parameters: call time conversation time lock opening time
Functions: auxiliary functions F1 and F2 with timer control Video Moving

N.B. If a humming sound is detected on the phonic line, set slide switch "A-B" under the cover to position "A"

MANUFACTURER: FRACARRO (or similar made by other manufacturer)
Model: (see the following description)

PT100AC SAT Dish, diameter cm 100
LSU05 Universal Single LNBS, Number of outputs 1, Gain dB 55, Power consumption 70 mW
CHV42N Universal Single LNBS, Number of outputs 4, Gain dB 55, Power consumption 200 mW
KDSR OPSK receivers with vestigial side band modulator
Digital processors for the reception of free-to-air programs transmitted with OPSK modulation. The full-band modulator covers the whole 47-862MHz band, allowing the distribution of adjacent channels.
Wideband modulator distributes signals from 47 to 862MHz
Vestigial side band modulator allows adjacent channel distribution
LNBS power supply: 14V/18V 0/220Hz, 105dBc 1:0
Software easily upgraded using the KRS-RJ adaptor
RCA connectors with audio/video signal available on all versions
KW33B Final push-pull amplifiers
Frequency range MHz: 47-962
Gain dB: 34
KP62 Power supplies for signal from LNBS
KP35 Power supplies for signal from KW33B
DE210 2 Way Taps



BENGAZI - LIBYA - CITY HALL RESTORATION

FINASSET GENERAL CONTRACTOR

Architectural, electric and mechanical systems project

Architect in charge and team coordinator: Arch. Carlo Formichi

مركز تنمية وتطوير المراكز الادارية

DRAWING ES13 WORKING DESIGN

DETAIL OF DATA SYSTEM AND SECURITY

SCALE 1:25

DATE: 10 June 2009

UPDATING: July 2009

file: S0813TV13.C