

ALL TJX New Stores

Wiring Specification Guidelines

***Always obtain local permits and licensing. A copy of the permit and the close out of the permit must be sent to TJX. If permitting is not required please supply name and telephone number of local inspector.

If a site requires a permit, TJX is to be notified of the date of rough in inspection and results. Bills will not be paid without this information.***

***Use Plenum rated cable only.

***ALL patch cables must be labeled at BOTH ends with mechanically generated labels, regardless of length or placement.

***All data cabling originate at the patch panel in the Systems Room (unless the data runs exceed 350 feet at which time an IDF/ second switch link runs may be needed) and must be installed in compliance with 568B standards.

***All cable must be supported by the roof support system, unless code specifies otherwise. Do not tie to the grid support or grid under any circumstances. All cable must be run at right angles. Install proper cable supports, spaced no more than 5 feet apart.

***Cat 5E Certification required with documentation for all horizontal cabling (Phone and Data.) TJX must be notified if any cable runs fail certification.

***Added 9/15/2014 Select sites will be incorporating LP IP based Camera systems, If your site is slated to have the system please refer to LP IP CAMERA WIRE SPEC applet within this document on Page 29.

***All voice cables originate in the Systems Room, STATION CABLES will be terminated on a NEW 48 PORT VOICE PATCH PANEL (see diagram) and UTILITY VOICE CABLES will be terminated on a 66 block, next to the systems rack.

***If the demark is not located in the Systems Room, then a 25 pair extension will be run from the Demark to the Systems Room. ADDITIONALLY, (2) CAT6 CABLES ARE TO BE RUN WITH THE DEMARC EXTENSION LABELED T1-Circuit 1, AND T1-Circuit 2. Jack Type: RJ48 at the POE and RJ48x at the Rack

*** (2) CAT6 CABLES ARE TO BE RUN LABELED T1-Circuit 1, AND T1-Circuit 2. Jack Type: RJ48 at the POE and RJ48x at the Rack

***All data cabling requires termination on 8-position modular jack per 568B Standard (all 4 pairs must be connected).

***All voice jacks must be terminated on 6-position modular jacks per USOC RJ25 standard.

***Keep cat 5E cables as far away from potential sources of EMI (electrical cables, transformers, light fixtures, etc.) as possible. Do not tie cables to electrical conduits, or lay cables on electrical fixtures.

***Always leave extra slack on the cables, neatly coiled up in the ceiling or nearest concealed place. Leave at least 5 feet at the work outlet side, and 15 feet at the patch panel side.

*** Open Ceiling Stores – White colored cables are to be used for data and voice. A minimum clearance of 1½ inches from the ceiling deck and cable is required, or as noted per local code.

*** Open Ceiling Stores- Use Speed Links instead of chains to hang speakers on the sales floor. These are available on the BlackBox materials list. 1 speed link is needed per sales floor speaker. For LENGTH of chain hanging from ceiling to 12 ft AFF use: 5m- 16.4 feet; 10m- 32.8 feet.

***Always obey all local, and national, fire and building codes. Be sure to "fire stop" all cables that penetrate a firewall.

***All termination jacks must have a brushed aluminum finish on the face plate.

***If any part of this document does not comply with ADA or local requirements this must be brought to the attention of the TJX Store Systems representative responsible for the location in question.

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Change Management

Date	Description	Author	Approval
12/20/16	<ul style="list-style-type: none"> Combined the 3 chains' books into 1 Updated spec's 	T. Jarmuzek	TJX
12/06/24	<ul style="list-style-type: none"> Updated wire spec's 	Black Box (ML,TJ,WW)	TJX

Site Expectations

The Thursday prior to BOS/POS install week, a survey is to be performed to determine site readiness for the following items:

- Verify electrical outlets in the following areas are energized: assistant manager's office, cash office, loss prevention office, single queue, systems room.
- Verify the Liebert UPS is installed and not in bypass or has any alarms.
- Counter top is installed in the assistant manager's office, cash office, loss prevention office.
- POS fixtures are installed in single queue.
- Are doors installed in the assistant manager's office, cash office, loss prevention office?
- Are all exterior doors secured?
- Data communications link (satellite or T-1) is installed and ready for service?

Temp Service

Verify phone numbers are the numbers supplied by Implementation.

Verify all phone numbers are able to dial long distance.

Verify hunt sequence.

Cross connect alarms, Novar and power fail lines.

Verify correct caller ID name delivery.

Phone line configuration

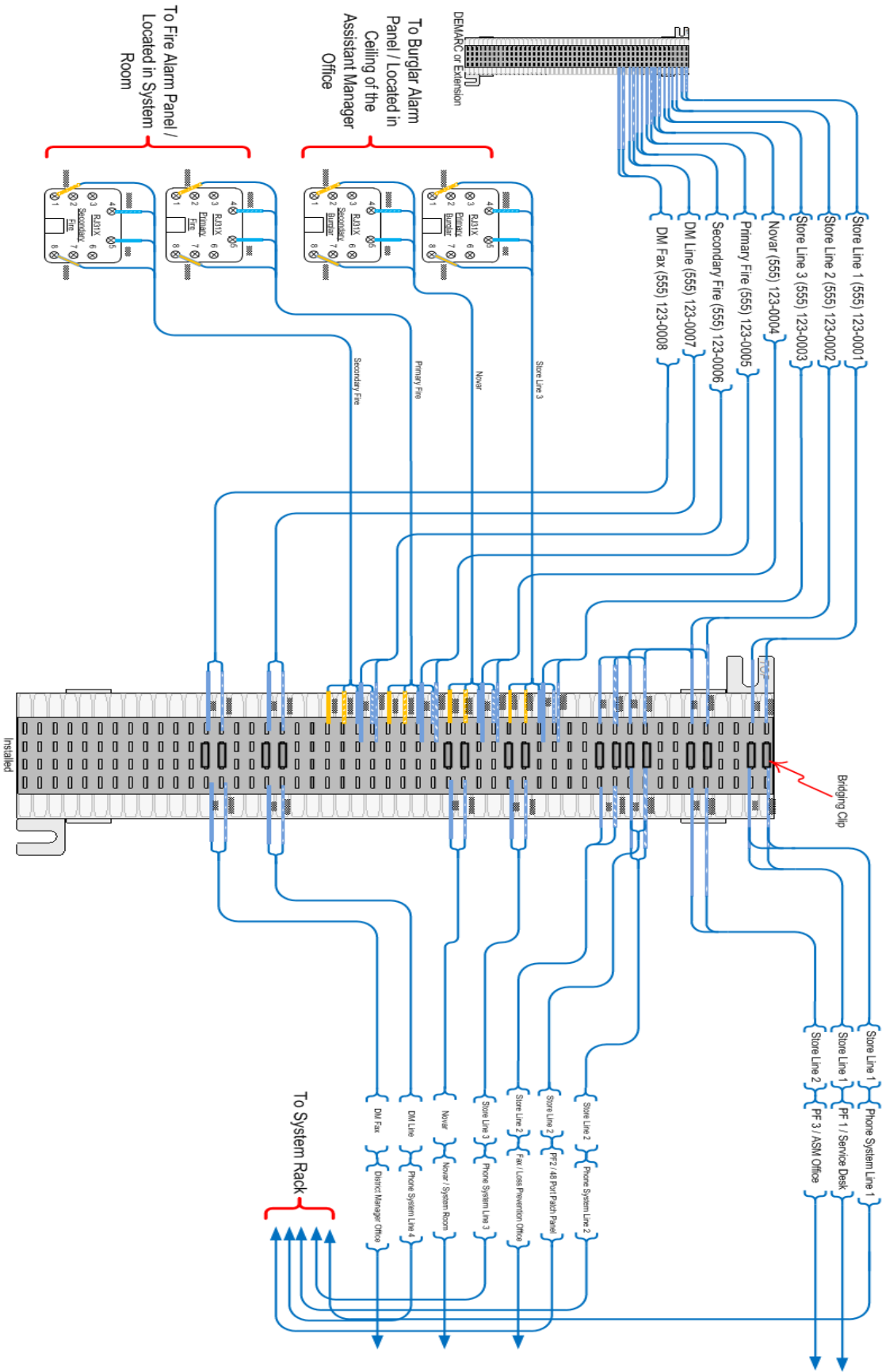
Line 1 Copper	Primary Store Phone Number Line 1 on the Phone System Hunts to line 2 PF1 at the Service Desk Backup Fire line A2 (not used if there is a secondary dedicated fire line)*
Line 2 Copper	Line 2 on the Phone System. Stop Hunt LP Fax Secondary Burglar line A4
Line 3 Copper	Line 3 on the Phone System. No Hunt. Primary Burglar line A3
Line 4 Copper Used in Combo's or DM stores only	Line 4 on the Phone System. <u>Not available in standalone stores</u> No Hunt. Dedicated to HomeGoods (combo only) or District Office (if district office store)
Primary Fire line Copper	Primary dedicated Fire A1
Secondary dedicated Fire A2	Backup Fire line A2 (Only used if a secondary dedicated fire line is required)

PF# = Power Fail Lines Designation **A#** = Alarm Lines Designation

TJX Alarm Configuration

A1	Primary Fire	Dedicated Copper Line
A2	Backup Fire	Line 1 or *A2 Secondary Dedicated Copper Line
A3	Primary Burglar	Line 3
A4	Secondary Burglar	Line 2

TJX : Phone Line Diagram



TITLE	TJX : Phone Line Diagram	REVISION	** Not to any scale **	DATE	01:11 PM	DRAWN BY	BOB DIRICO	FULL NAME	New Store Systems	PAGE	1 OF 1
		REVISION	Wednesday, March 12, 2014								

Dedicated Outlets



***Label all Dedicated Outlets with
“For Computers Only”***

Note:
Dedicated Outlets will only be in the
systems room and at the **front queue**.

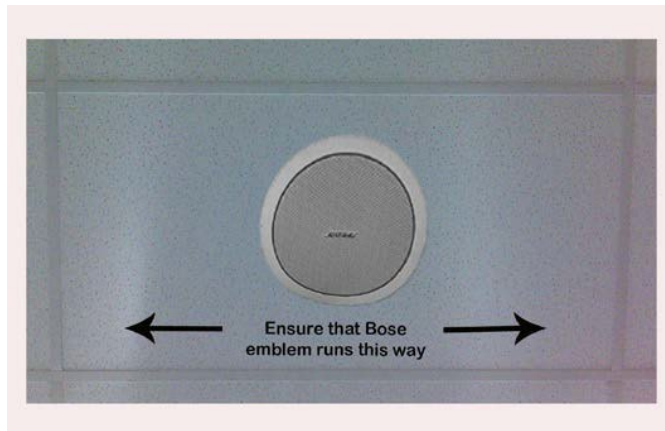


Open Ceiling Stores

Please ensure that jbox conduits are attached to red iron.
All speakers and APs should be on the same level plane as the bottom of the ceiling lights.

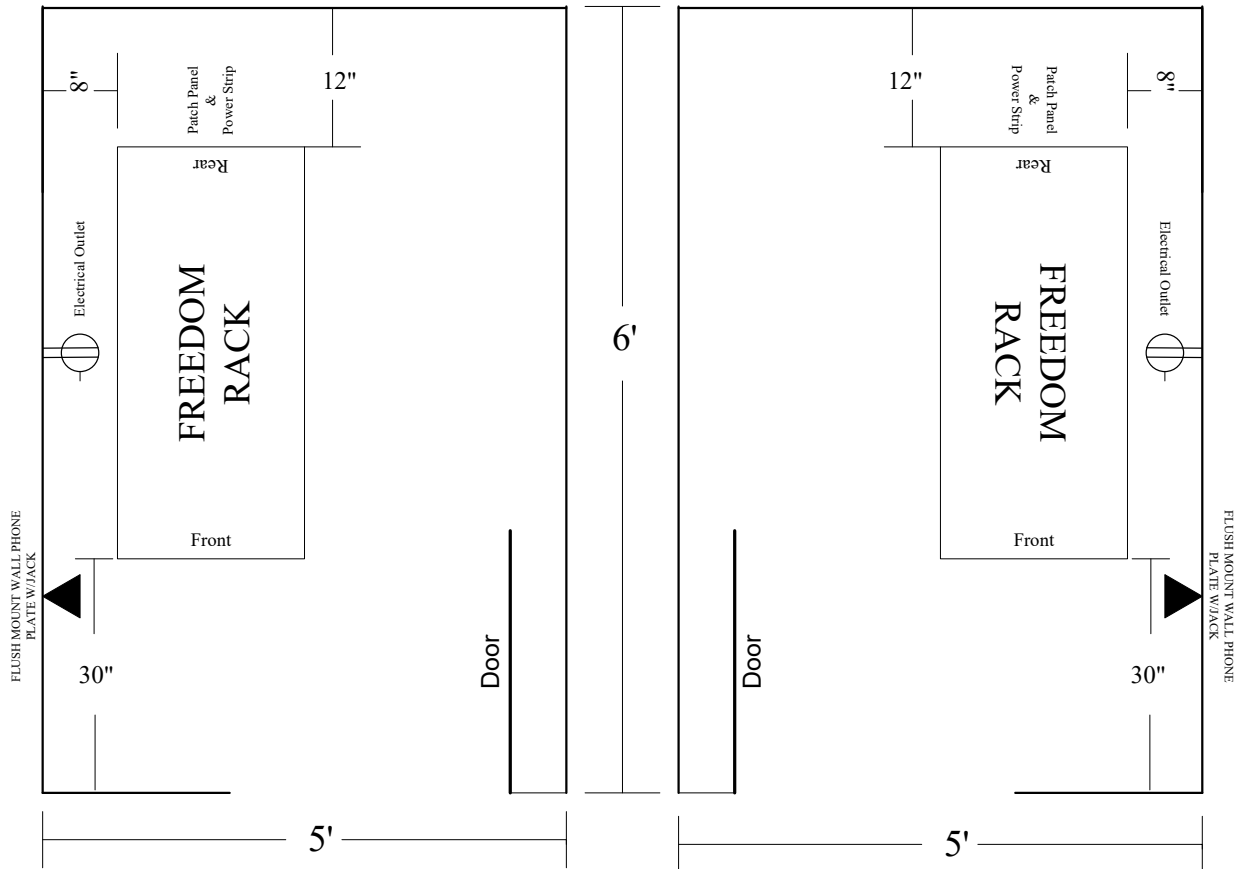
Sound System

Refer to sound system plan blue print for more site specific details.
Ensure all seismic and other codes are met per local regulations.
Rotate the branding logo on all speakers so that they are parallel with the long side of the ceiling tiles (see photo).

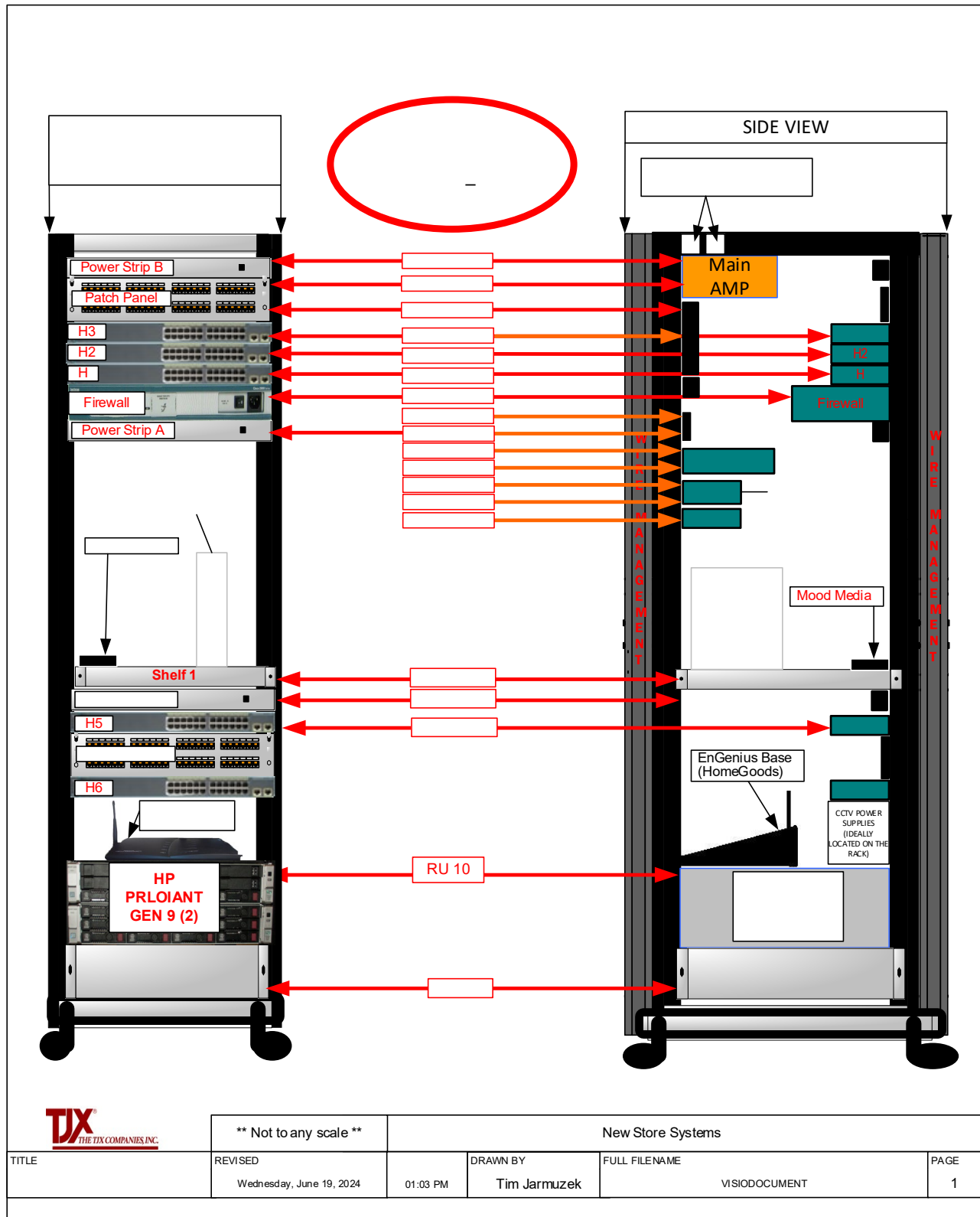


Systems Room

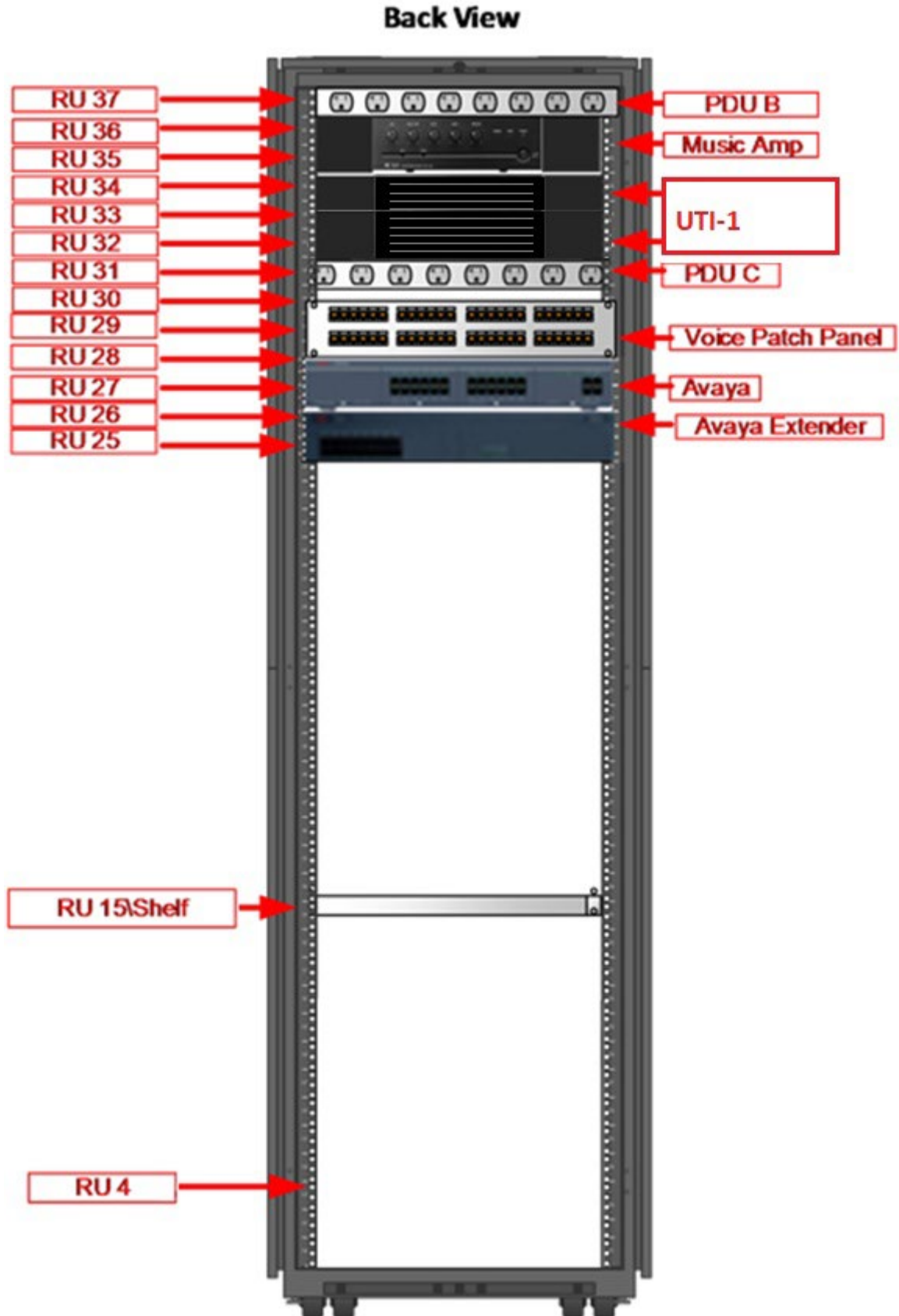
Systems Room layout



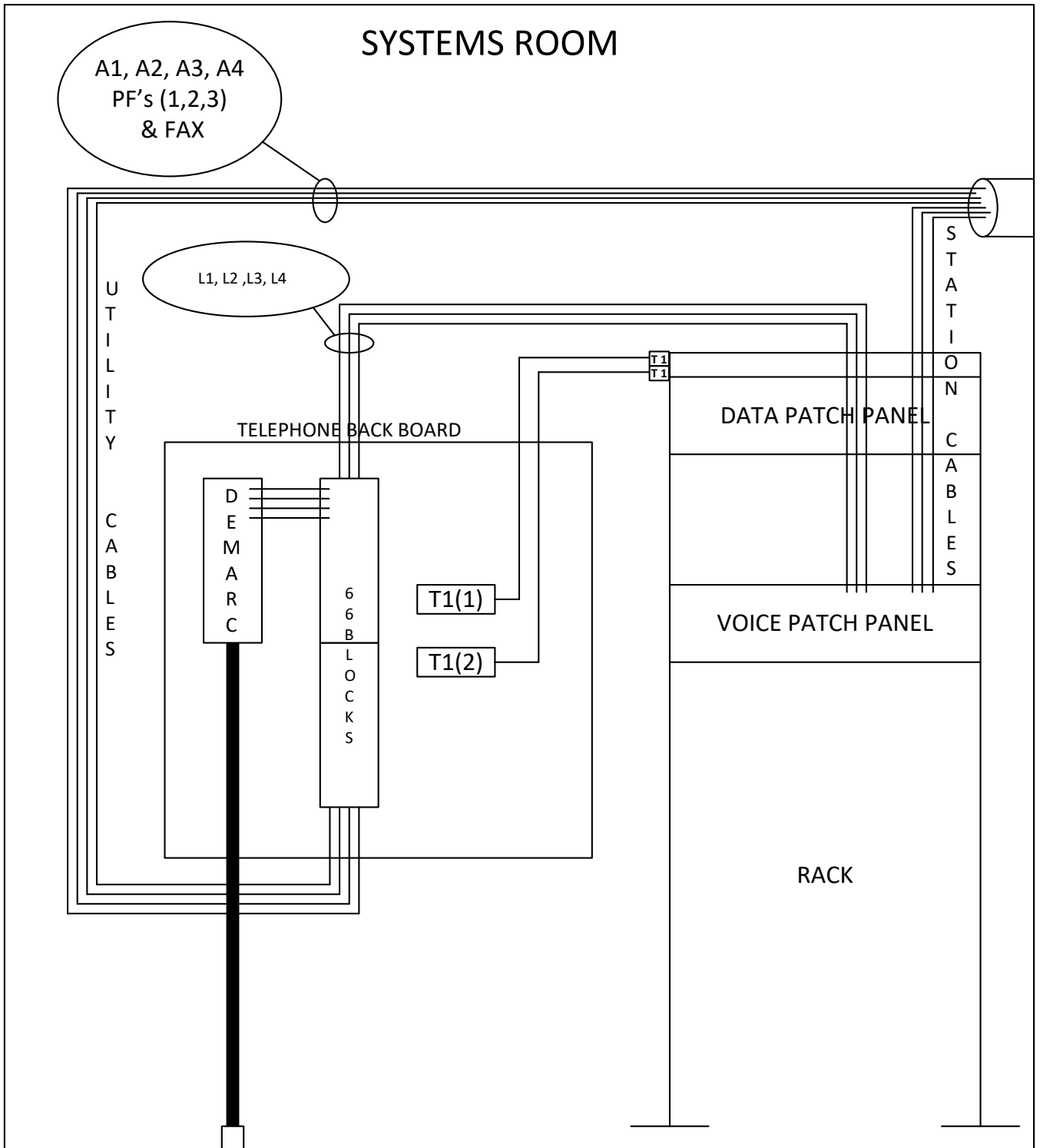
Systems Rack Front and Side View



Systems Rack Back View

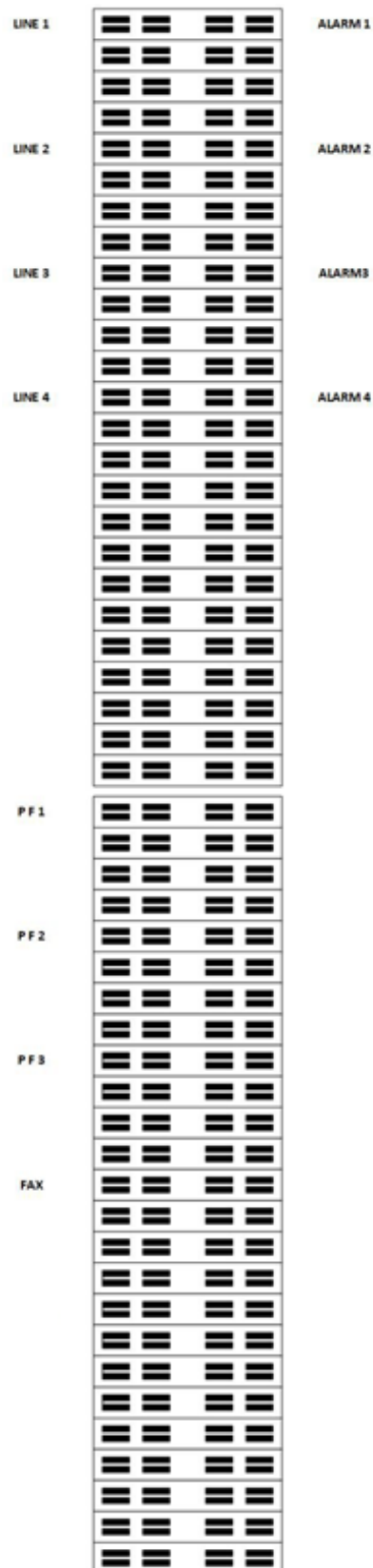


Voice System Wiring



66 Block Diagram

Do not use bridge clips, punch utility cable down on inside pins, and station cable down on outside pins.



Patch Panels

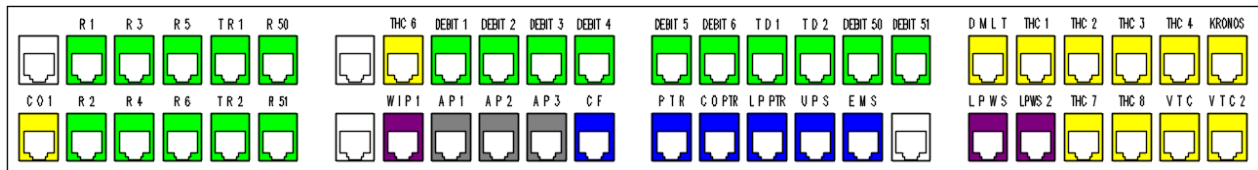
***All patch panel labels must be in color.

Location: Mounted to the Systems rack.

Voice Jacks: ALL STATIONS + LINES & PAGING. (SEE DIAGRAM)

Labels: See Below

DATA Patch Panel (SEE SITE SPECIFIC DRAWING FOR ACTUAL LAYOUT)



VOICE Patch Panel (SEE SITE SPECIFIC DRAWING FOR ACTUAL LAYOUT)



LP Camera Patch Panel (SEE SITE SPECIFIC DRAWING FOR ACTUAL LAYOUT)



Music

The audio feed for the sales floor will be run into the amp. The amp runs into the Mood Media Box via an RCA cable.

See site specific drawings for speaker layout, and wiring diagram.

Patch Cord Connectivity

Have to be on switch in systems room		
	Back Office - WebPC (H/25)	
	POS - Controller (H/1)	
	POS – T/C (H/2)	
	2911 FW Trunk 0/0 (H/40)	
	2911 FW 0/1 (H/41)	
	IP Office (Avaya) (H/42)	
	M-Box (H/43)	
	SCCM (H/46)	
	EVDO (H/47)	
	VSAT (H/48)	

Legend	
	POS
	Wireless
	Back
	Back
	Corp.
	District Office
	Cross

	Thin Client (MGR)
	Thin Client (CO)
	Thin Client (LP) – (H/19)!
	Thin Client (ASST)
	Virtual Clocks
	Back Office - CO Printer (H/28)
	Back Office - LP Printer (H/29)
	Back Office – ASM/Mgr Printer (H/27)
	Back Office - EMS/NOVAR (H/31)
	Back Office – CO Scale Marshalls (H/30)
	District Office - DM LPTP (H/36)
	District Office - DLPM LPTP (H/37)
	District Office – Dsec THC (H/38)
	District Office – Dsec PTR (H/39)
	POS - **** All Registers ****
	POS -**** All Debit Pads ****

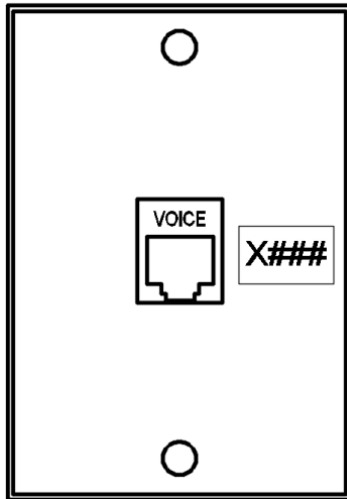
All these Ports/Devices require POE (ports 20-24, 44 & 45 on the HP Switch's) provide Power. These devices will not require a power injector.	Corp – WIP (H/44)
	Corp – WIP (H/45)
	Wireless – AP (H/20)
	Wireless - AP (H/21)
	Wireless - AP (H/22)
	Wireless - AP (H/23)
	Wireless - AP (H/24)

LP Camera Patch Panel Assignment

All Patch Cords for LP Camera's will be BLACK

PATCH PANEL #	CABLE RUN ASSIGNMENT	PATCH PANEL #	CABLE RUN ASSIGNMENT
#1	Entryway 1 PVM	#25	RESERVED COVERT or PTZ9
#2	Exit 1 Mullion	#26	RESERVED COVERT or PTZ10
#3	Entryway 2 PVM	#27	Jewelry 360 (MARSHALLS ONLY)
#4	Exit 2 Mullion	#28	Footwear Fixed 1 (MARSHALLS AND TJMAXX)
#5	REGISTER QUEUE PVM	#29	Footwear Fixed 2 (MARSHALLS AND TJMAXX)
#6	REGISTER QUEUE PVM FOR AXIS DECODER	#30	Footwear covert (Standalone) or Footwear3 (COMBO)
#7	Register 01-03	#31	Footwear covert (Standalone) or Footwear4 (COMBO)
#8	Register 04-06	#32	Footwear PVM 1
#9	Register 07-09	#33	Footwear PVM Axis Decoder Run
#10	Register 10-12	#34	Footwear covert (Standalone) or PVM2 (COMBO)
#11	Register 13-15	#35	Dressing Room (MARSHALLS AND TJMAXX)
#12	Register 16-18	#36	Cash Office
#13	Register 19-21	#37	Cash Office Hall
#14	Register 22-24	#38	Loss Prevention Office
#15	Register 25-26	#39	Office Hall Or Egress Hallway
#16	COVERT FOR REGISTER QUEUE	#40	Bathroom Hallway
#17	Sales Floor PTZ 1	#41	COVERT FOR OFFICE, JAN CLOSET, RUG CLOSET
#18	Sales Floor PTZ 2	#42	COVERT FOR OFFICE, JAN CLOSET, RUG CLOSET
#19	Sales Floor PTZ 3	#43	Processing Receiving 1 (PROCESSING TABLES)
#20	Sales Floor PTZ 4	#44	Processing Receiving 2 (RECEIVING DOOR)
#21	Sales Floor PTZ 5	#45	Processing Receiving 3 (COMPACTOR)
#22	RESERVED COVERT or PTZ6	#46	RESERVED FOR PROCESSING OR PROCESSING COVERT
#23	RESERVED COVERT or PTZ7	#47	PCI 1 (SYSTEMS ROOM)
#24	RESERVED COVERT or PTZ8	#48	PCI 2 (IDF)

Systems Room Phone



Location: 54" from floor. See print for exact location.

Faceplate: Single port wall mount

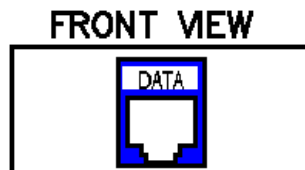
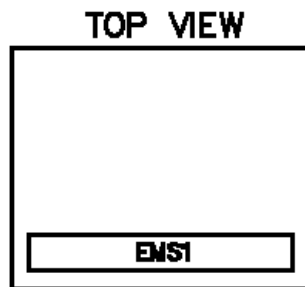
Voice Jacks: 1 USOC

Data Jacks: NONE

Label Voice: x401 (1408)

Electrical Room

EMS



Location: 6" from the Panel.

Faceplate: 1-port biscuit box.

Voice Jacks: NONE

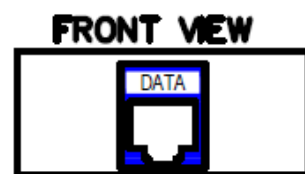
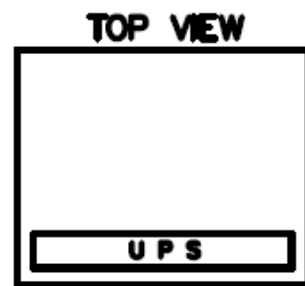
Data Jacks: 1 Cat6 Blue

Label Data: EMS

Label Voice:

There are 3 of these

EMS1, EMS2, & EMS3



UPS

Location: 1' from the UPS.

Faceplate: 2-port biscuit box Voice

Jacks: None

Data Jacks: 1 Cat6 Blue

Label: UPS

UPS IS NOT PATCHED IN.

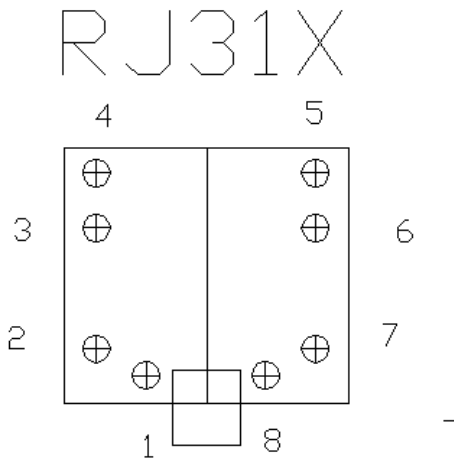


Fire Alarm

Location:	6" from the fire alarm panel.
Faceplate:	2-RJ31X (Do NOT share a cable)
Voice Jacks:	None
Data Jacks:	None
Label:	A1, Primary Fire, dedicated fire number. A2, Secondary Fire, secondary fire number.

Jack 1 should be labeled A1, Primary Fire, with the dedicated fire number. Jack 2 should be labeled A2, Secondary Fire, with the secondary fire number.

Terminals on RJ31X



#1	White/Orange stripe –	Ring House Side
#8	Orange / white stripe –	Tip House Side
#4	White / Blue stripe –	Tip Street Side
#5	Blue / White stripe –	Ring Street Side

Blue/White pair will be on the D-Mark on the incoming side. There must not be bridge clips on the D-mark from the left (street) side to the right (house) side. The B/W pair other end will go to the RJ31X terminal 4+5.

Orange/white pair will be the return from the RJ31X coming from RJ31X terminals #1+8. The O/W pair will need to be connected to the house phone system or 21 on 66 block.

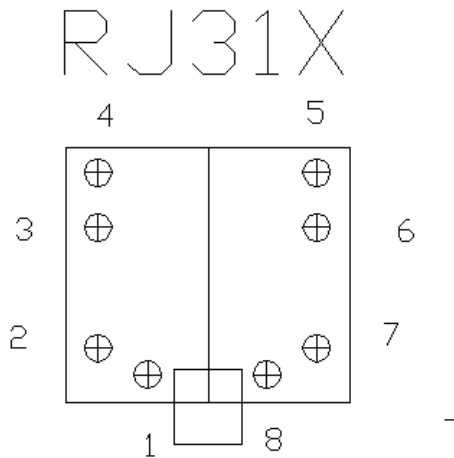
Operation:

Normal: The house phones will work through the RJ31X back to the D-mark as normal.

Seizure: The house phones will be cut off at the RJ31X. Terminals 1+8 on RJ31X will not have dial tone (0V) nor will the house phone have dial tone. The RJ31X terminal #4+5 will have the alarm panel communicating on it. If someone was using the house phone when the panel seized the line, then the house phone call would be cut off and the line would appear to be dead to the house user.

Burglar Alarm

Location: Above the ceiling grid over the door.
Faceplate: 1 or 2 -RJ31x (Do NOT share a cable)
Voice Jacks: None
Data Jacks: None
Label: A3, Primary Burg, Primary Burglar Phone Number
A4, Secondary Burg, Secondary Phone Number
Terminals on RJ31X



#1	White/Orange stripe –	Ring House Side
#8	Orange / white stripe –	Tip House Side
#4	White / Blue stripe –	Tip Street Side
#5	Blue / White stripe –	Ring Street Side

Blue/White pair will be on the D-Mark on the incoming side. There must not be bridge clips on the D-mark from the left (street) side to the right (house) side. The B/W pair other end will go to the RJ31X terminal 4+5.

Orange/white pair will be the return from the RJ31X coming from RJ31X terminals #1+8. The O/W pair will need to be connected to the house phone system or 21 or 66 block.

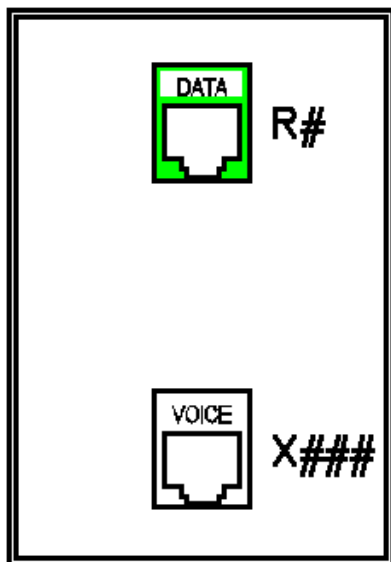
Operation:

Normal: The house phones will work through the RJ31X back to the D-mark as normal.

Seizure: The house phones will be cut off at the RJ31X. Terminals 1+8 on RJ31X will not have dial tone (0V) nor will the house phone have dial tone. The RJ31X terminal #4+5 will have the alarm panel communicating on it. If someone was using the house phone when the panel seized the line, then the house phone call would be cut off and the line would appear to be dead to the house user.

TJ MAXX

Frontline Registers



Location: Below register.
Ensure jacks do not interfere with shelves.

Faceplate: Dual Port flush mount

Voice Jacks: 1 USOC Office White

Data Jacks: 1 Cat6 Green

Labels Voice: x300 (R1) (1416)

x303 (R2) (1416)

x309 (R3) (1408)

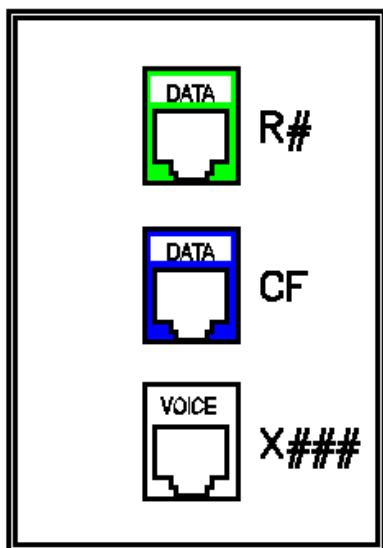
x310 (R4) (1408)

x311 (R5) (1408)

x312 (R6) (1408) ...

Labels Data: Reg#

Register with the Main Call Forward Display



Location: Below register.

Faceplate: Triplex Port flush

mount Voice Jacks: 1 USOC

Office White Data Jacks: 1 Cat6

Green

1 Cat6 Blue

Labels Voice: x300 (R1) (1416)

x303 (R2) (1416)

x309 (R3) (1408)

x310 (R4) (1408)

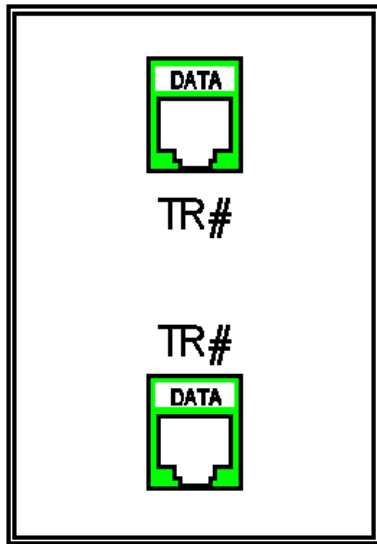
x311 (R5) (1408)

x312 (R6) (1408)...

Labels Data: Reg#

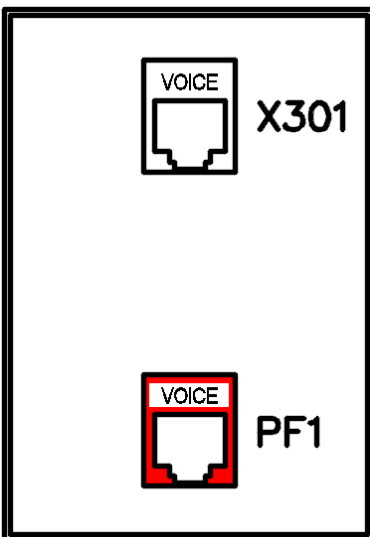
CF

Temp Registers



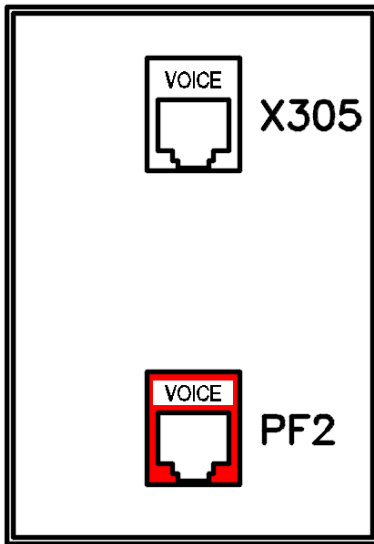
Location: End of queue, below last register near power.
Faceplate: Dual Port flush mount
Voice Jacks: None
Data Jacks: 2 Cat6 Green
Labels Voice: None
Labels Data: TR#

Cash Desk Phone

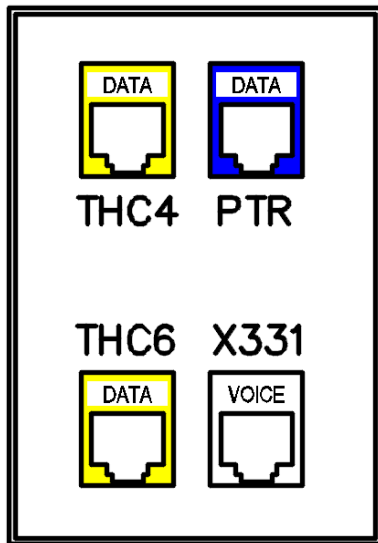


Location: 46" from the floor behind the cash unit.
See print for exact location.
Faceplate: Dual Port flush mount
Voice Jacks: 1 USOC Office White
1 USOC Red
Data Jacks: None Label:
x301 (1416)
PF1, Power Failure Jack
Emergency Use Only

Assistant Manager's Office

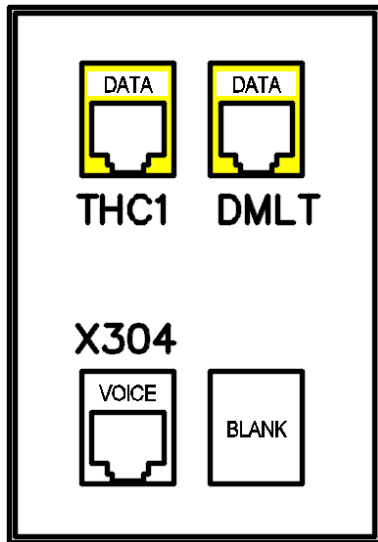


Location: Above counter.
See print for exact location.
Faceplate: Dual Port flush mount
Voice Jacks: 1 USOC Office White
1 USOC Red
Data Jacks: None
Label Voice: x305 (1408)
PF2, Power Failure Jack
Emergency Use Only **



Location: Above counter.
See print for exact location.
Faceplate: Quad Port flush mount
Voice Jacks: 1 USOC Office White
Data Jacks: 1 Cat6 Blue, 2 Cat6 Yellow
Label Voice: x331 (1408)
Labels Data: THC4
THC6
PTR

Manager's Office



Location: 18" from floor, next to manager's desk.

See print for exact location.

Faceplate: Quad Port flush mount

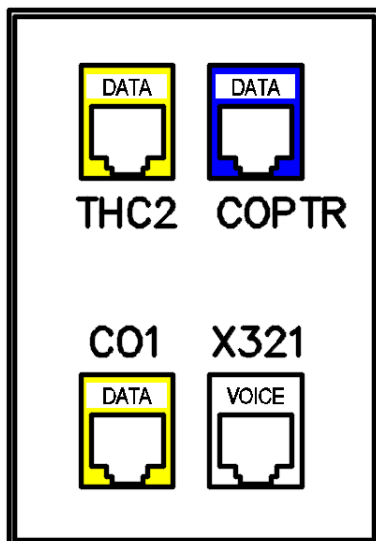
Voice Jacks: 1 USOC Office White

Data Jacks: 2 Cat6 Yellow

Label Voice: x304 (1416)

Label Data: THC1,
DMLT

Cash Office



Location: 39" from floor.

See print for exact location.

Faceplate: Quad Port flush mount

Voice Jacks: 1 USOC Office White

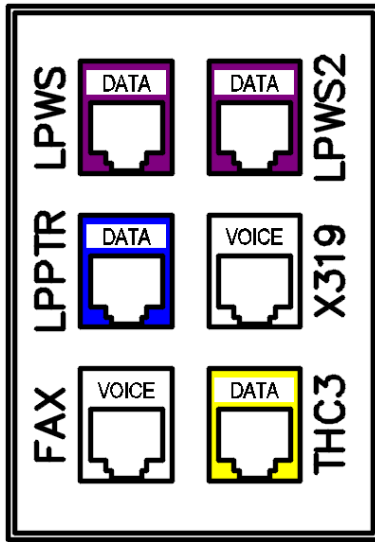
Data Jacks: 2 Cat6 Yellow

1 Cat6 Blue

Label Voice: x321 (7208)

Label Data: C01
COPTR
THC2

Loss Prevention Office



Stand Alone Store

Location: Above counter.

See print for exact location.

Faceplate: Six Port flush mount

Voice Jacks: 2 USOC Office White

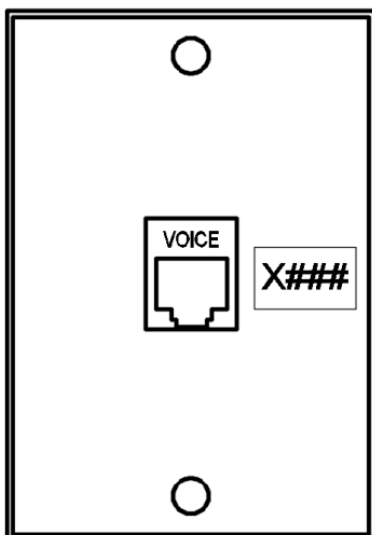
Data Jacks: 2 Cat6 Purple, 1 Cat6 Blue,
1 Cat6 Yellow

Label Voice: x319 (1408)

Fax

Label Data: LPWS
LPWS2
LPPT
THC3

Receiving



Location: Near loading dock

See print for exact location.

Faceplate: Single Port wall mount

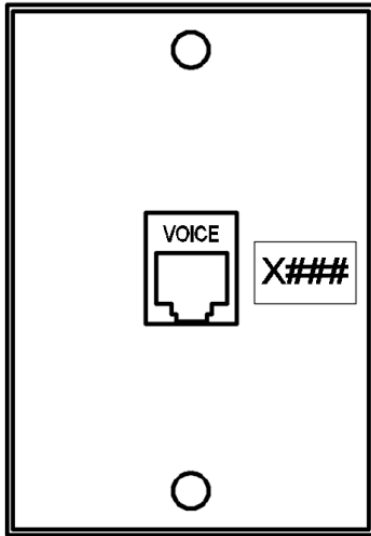
Voice Jacks: 1 USOC Office White

Data Jacks: None

Label Voice: x308 (1408)

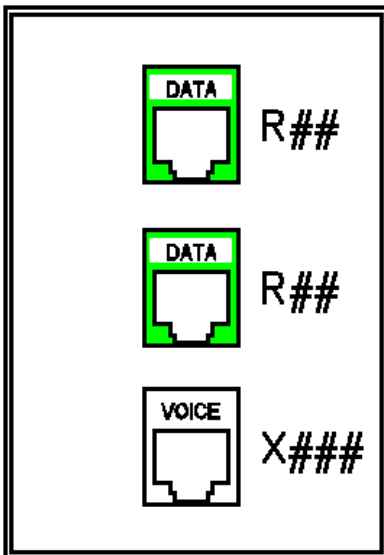
Fitting Room

Fitting Room Phone



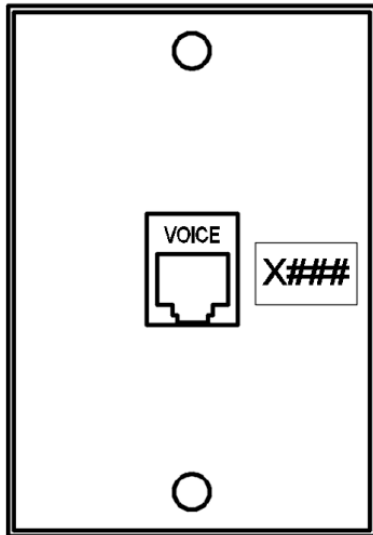
Location: ADA Height from floor.
See print for exact location.
Faceplate: Single Port wall
mount
Voice Jacks: 1 USOC Office White
Data Jacks: None
Label Voice: x323 (1408)

Jewelry



Location: Below register, next to power.
Ensure jacks do not interfere with
shelves.
Faceplate: Triplex Port surface
mount Voice Jacks: 1 USOC Office
White Data Jacks: 2 Cat6 Green
Label Voice: x320
(1408) Label Data:
Reg 50
Reg 51

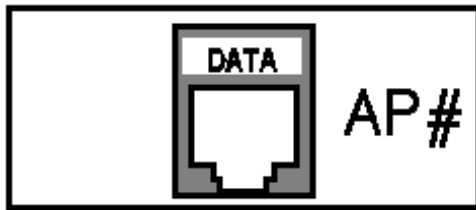
Sales Floor



Location: ADA Height from floor.
See print for exact location.
Faceplate: Single Port
wallmount
Voice Jacks: 1 USOC Office White
Data Jacks: None
Label: x302 (1408)
x306 (1408)
x307 (1408)
x326 (1408)
x327 (1408)
x328 (Combo only, HG side) (1408)
x329 (Combo only, HG side) (1408)
x330 (Combo only, HG side) (1408)

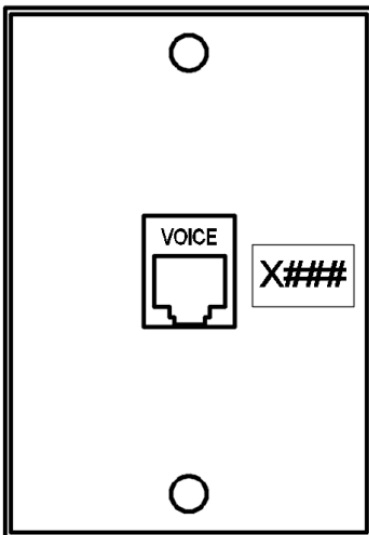
Access Points

Note leave an additional 15' of slack for later movement as necessary



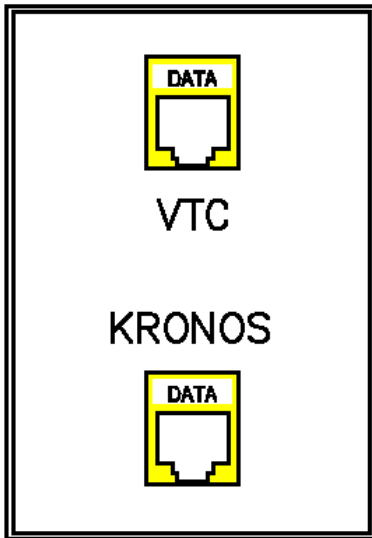
Location: Above Sales floor ceiling.
See print for exact location.
Faceplate: 1-port biscuit
box Voice Jacks: None
Data Jacks: 1 Cat6 Grey
Labels Data: AP1,AP2,AP3,AP4

Lounge



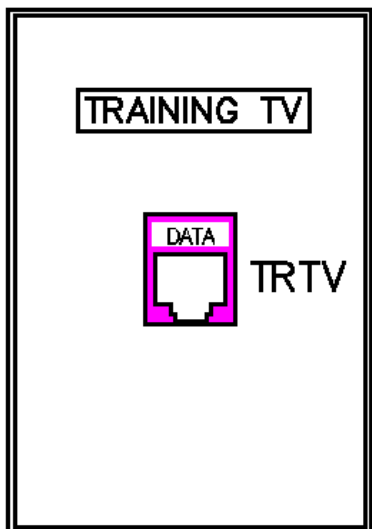
Location: 54" from the floor
See print for exact location.
Faceplate: Single Port wall mount
Voice Jacks: 1 USOC Office White
Data Jacks: None
Label Voice: x320 (1408)

Timeclocks



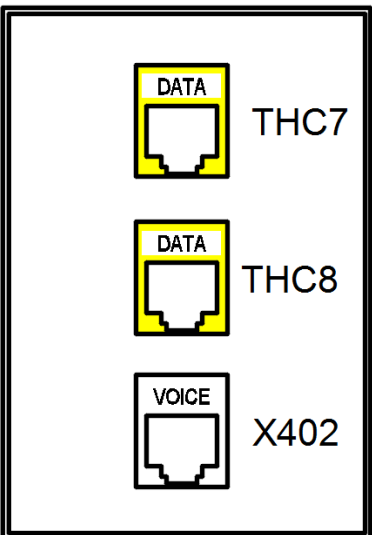
Location: 44" from floor.
See print for exact location.
Faceplate: Dual Port flush mount
Voice Jacks: None
Data Jacks: 2 Cat6 Yellow
Label Data: VTC
KRONOS

Training TV



Location: 18" from floor.
See print for exact location.
Faceplate: Single Port flush mount
Voice Jacks: None
Data Jacks: 1 Cat6 Purple
Label Data: TRTV

Training Room



Location: Above counter.
See print for exact location.
Faceplate: Triple Port flush mount
Voice Jacks: 1 USOC Office White
Data Jacks: 2 Cat6 Yellow
Label Data: THC 7
THC 8
Label Voice: x402 (1408)

POP Phone Mounting

A Modular Queue can be identified by the fact that the tissue drawer is actually a separate unit attached to the register fixture as in the picture below.



The POP (Point of Purchase) should be mounted so that it is flush to, but does not overhang the tissue drawer for the next register.

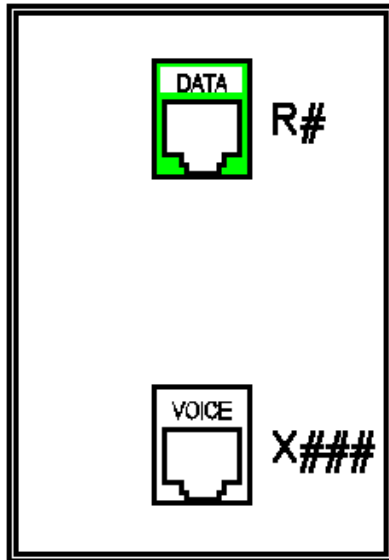
Phones will be mounted on the back of the POP units, 1" down and left justified, using a piece of Panduit to neatly run the phone wire down through the counter as shown below.



NOTE: The screws used to mount the phones MUST be ½ inch.

MARSHALLS

Frontline Registers



Location: Below register.
Ensure jacks do not interfere with shelves.

Faceplate: Dual Port flush mount

Voice Jacks: 1 USOC Office White

Data Jacks: 1 Cat6 Green

Labels Voice: x299 (R1) (1416)

x200 (R2) (1416)

x253 (R3) (1408)

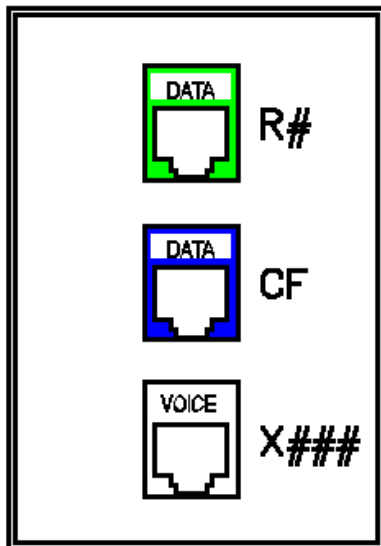
x254 (R4) (1408)

x255 (R5) (1408)

x256 (R6) (1408)

Labels Data: Reg#

Register with the Main Call Forward Display



Location: Below register, back, right, corner.
Ensure jacks do not interfere with shelves.
See print for exact location.

Faceplate: Triple Port flush mount

Voice Jacks: 1 USOC Office White

Data Jacks: 1 Cat6 Green

1 Cat6 Blue Labels

Voice: x299 (R1) (1416)

x200 (R2) (1416)

x253 (R3) (1408)

x254 (R4) (1408)

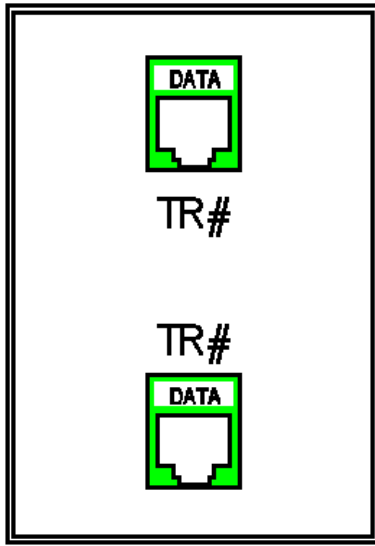
x255 (R5) (1408)

x256 (R6) (1408)

Labels Data: Reg#

CF

Temp Registers



Location: End of queue, below last register near power.

Faceplate: Dual Port flush mount

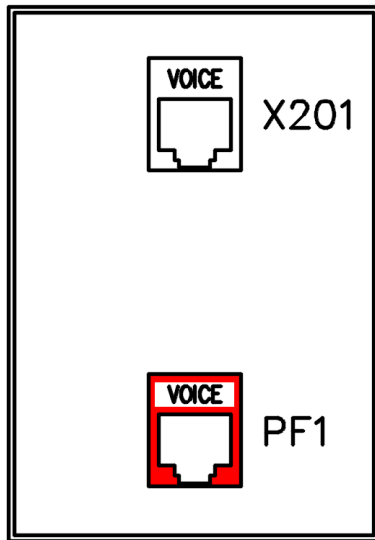
Voice Jacks: None

Data Jacks: 2 Cat6 Green

Labels Voice: None

Labels Data: TR#

Cash Desk Phone



Location: 46" from the floor behind the cash unit.
See print for exact location.

Faceplate: Dual Port flush mount

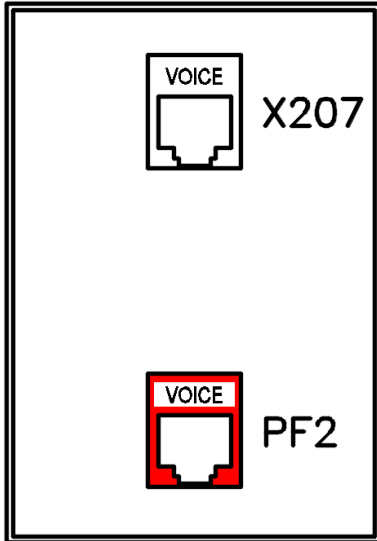
Voice Jacks: 1 USOC Office White, 1 USOC Red

Data Jacks: None

Labels Voice: x201 (1416)

Power Failure Jack Emergency Use Only

Assistant Manager's Office



Location: Above counter.

See print for exact location.

Faceplate: Dual Port flush mount

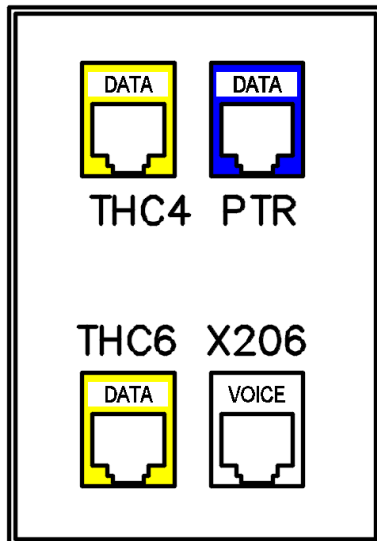
Voice Jacks: 1 USOC Office White

1 USOC Red

Data Jacks: None

Labels Voice: x207 (1408)

PF2, Power Failure Jack, Emergency Use Only **



Location: Above counter.

See print for exact location.

Faceplate: Quad Port flush mount

Voice Jacks: 1 USOC Office White

Data Jacks: 1 Cat6 Blue

2 Cat6 Yellow

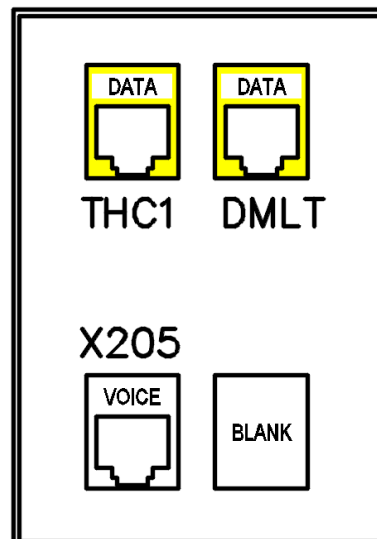
Label Voice: x206 (1408)

Labels Data: THC4

THC6

PTR

Manager's Office



Location: 18" AFF, next to manager's desk.

See print for exact location.

Faceplate: Quad Port flush mount

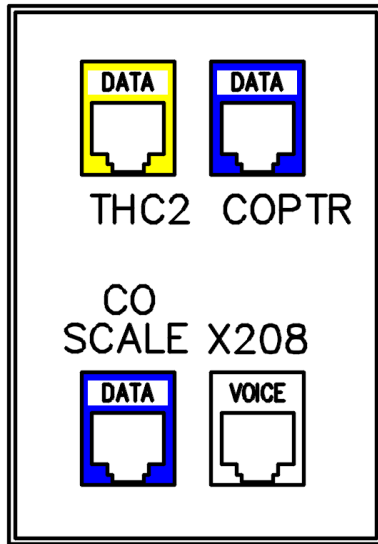
Voice Jacks: 1 USOC Office White

Data Jacks: 2 Cat6 Yellow

Label Voice: x205 (1416)

Label Data: THC1, DMLT

Cash Office



Location: Above counter.

See print for exact location.

Faceplate: Quad Port flush mount

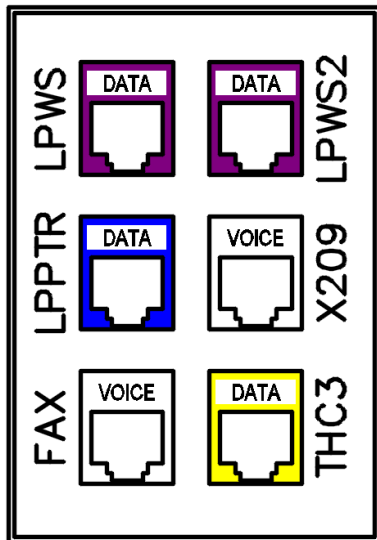
Voice Jacks: 1 USOC Office White

Data Jacks: 1 Cat6 Yellow,
2 Cat6 Blue

Label Voice: x208 (1408)

Labels Data: THC2
COPTR
CO Scale

Loss Prevention Office



Location: Above counter.

See print for exact location.

Faceplate: Six Port flush mount

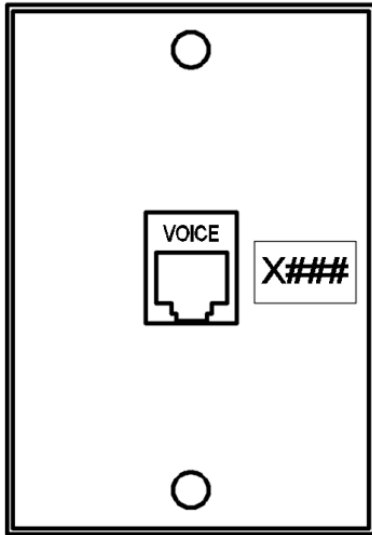
Voice Jacks: 2 USOC Office White

Data Jacks: 2 Cat6 Blue
1 Cat6 yellow

Label Voice: x209 (1408)

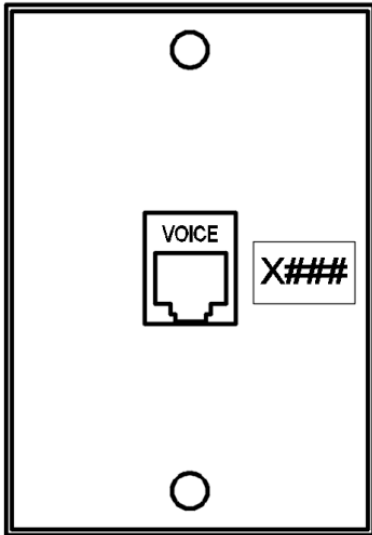
Labels Data: LPWS
LPWS2
LPPTR
THC3

Receiving



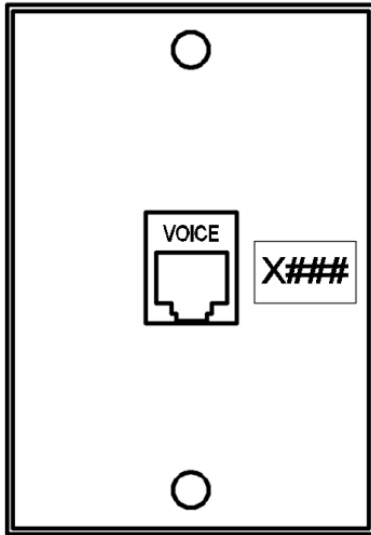
Location: Near loading dock.
See print for exact location.
Faceplate: Single Port wall
mount Voice Jacks: 1 USOC
Office White Data Jacks: None
Label Voice: x213 (1408)
x222 (Combo Stockroom) (1408)

Fitting Room



Location: ADA Height.
See print for exact location.
Faceplate: Single Port wall mount
Voice Jacks: 1 USOC Office White
Data Jacks: None
Label Voice: x211 (1408)

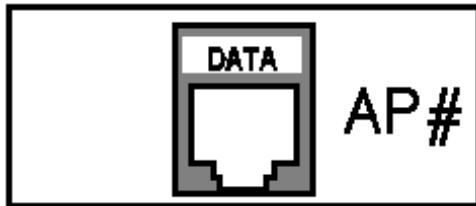
Sales Floor



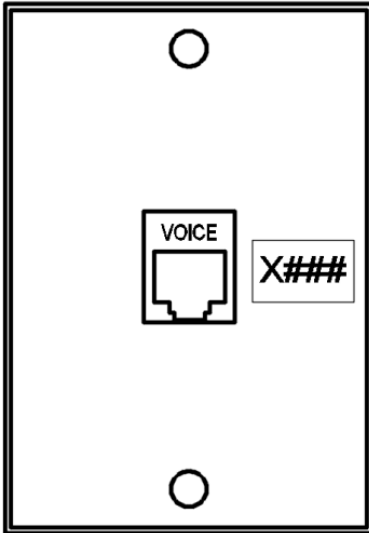
Location: ADA Height.
See print for exact location.
Faceplate: Single Port wall mount
Voice Jacks: 1 USOC Office White
Data Jacks: None
Labels Voice: x214 (1408)
x215 (1408)
x216 (1408)
x217 (1408)
x218 (1408)
x219 (1408)
x220 (Combo only, HG side) (1408)
x223 (Combo only, MAR side) (1408)
x224 (Combo only, MAR side) (1408)

Access Points

Note leave an additional 15' of slack for later movement as necessary



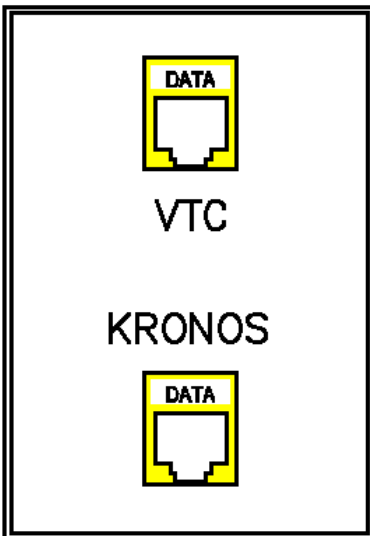
Location: Above Sales floor ceiling.
See print for exact location.
Faceplate: 1-port biscuit box
Voice Jacks: None
Data Jacks: 1 Cat6 Grey
Labels Data: AP1
AP2
AP3



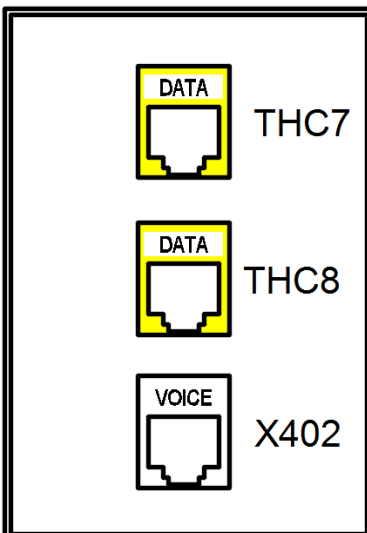
Lounge

Location: 54" from the floor
See print for exact location.
Faceplate: Single Port wall mount
Voice Jacks: 1 USOC Office White
Data Jacks: None
Label Voice: x204 (1408)

Timeclocks



Location: 44" from floor.
See print for exact location.
Faceplate: Dual Port flush mount
Voice Jacks: None
Data Jacks: 2 Cat6 Yellow
Label Data: VTC
KRONOS



Training Room

Location: Above counter.
See print for exact location.
Faceplate: Triple Port flush mount
Voice Jacks: 1 USOC Office White
Data Jacks: 2 Cat6 Yellow
Label Data: THC 7
THC 8
Label Voice: x402 (1408)

POP Phone Mounting

A Modular Queue can be identified by the fact that the tissue drawer is actually a separate unit attached to the register fixture as in the picture below.



The POP (Point of Purchase) should be mounted so that it is flush to, but does not overhang the tissue drawer for the next register.

Phones will be mounted on the back of the POP units, left justified, using a piece of Panduit to neatly run the phone wire down through the counter as shown below.

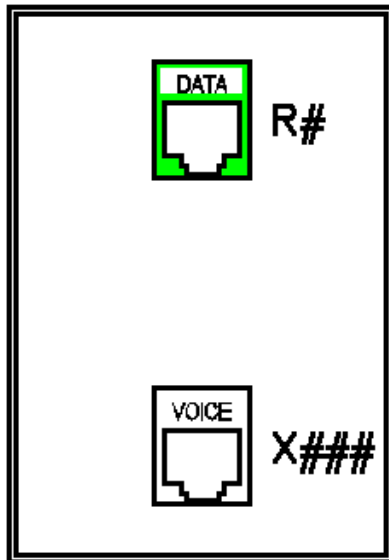


NOTE: The screws used to mount the phones MUST be ½ inch.

HOMEGOODS

+HOMESENSE

Frontline Registers



Location: Below register.
Ensure jacks do not interfere with shelves.

Faceplate: Triple Port flush mount

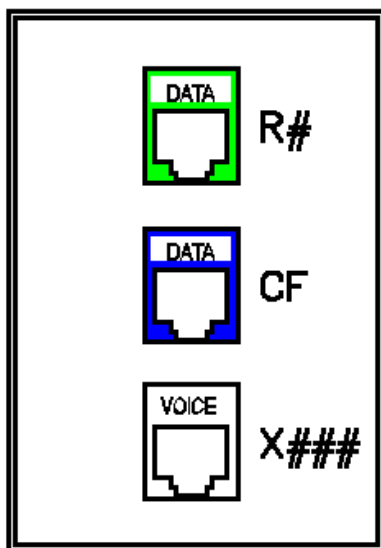
Voice Jacks: 1 USOC Office White

Data Jacks: 1 Cat6 Green

Labels Voice: x301 (R1) (1416)
x303 (R2) (1416)
x309 (R3) (1416)
x310 (R4) (1416)
x311 (R5) (1416)
x312 (R6) (1416)

Labels Data: Reg#

Register with the Main Call Forward Display



Location: Below register.
Ensure jacks do not interfere with shelves.

Faceplate: Triple Port flush mount

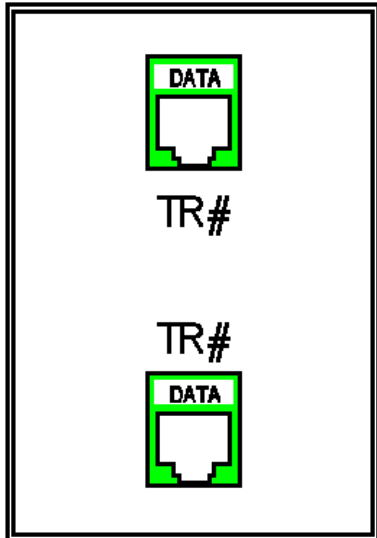
Voice Jacks: 1 USOC Office White

Data Jacks: 1 Cat6 Green
1 Cat6 Blue Labels

Voice: x301 (R1) (1416)
x303 (R2) (1416)
x309 (R3) (1416)
x310 (R4) (1416)
x311 (R5) (1416)
x312 (R6) (1416)

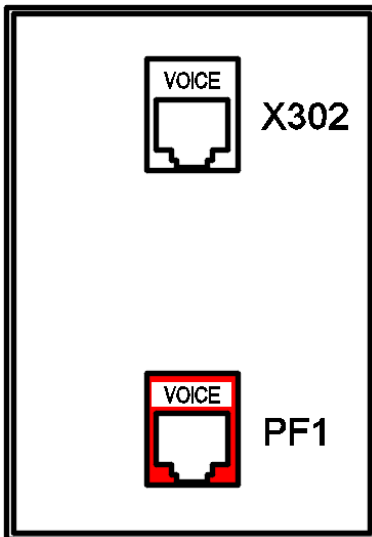
Labels Data: Reg#
CF

Temp Registers



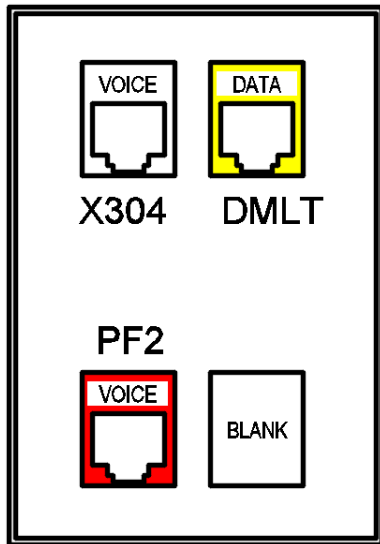
Location: End of queue, below last register near power.
Faceplate: Dual Port flush mount
Voice Jacks: None
Data Jacks: 2 Cat6 Green
Labels Voice: None
Labels Data: TR#
TR#

Cash Desk Phone

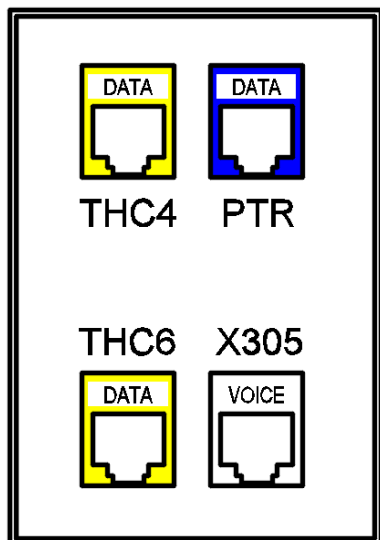


Location: 46" from the floor behind the cash unit.
See print for exact location.
Faceplate: Dual Port flush mount
Voice Jacks: 1 USOC Office White
1 USOC Red
Data Jacks: None
Label: x302 (1416)
PF1, Power Failure Jack
Emergency Use Only

Manager's Office

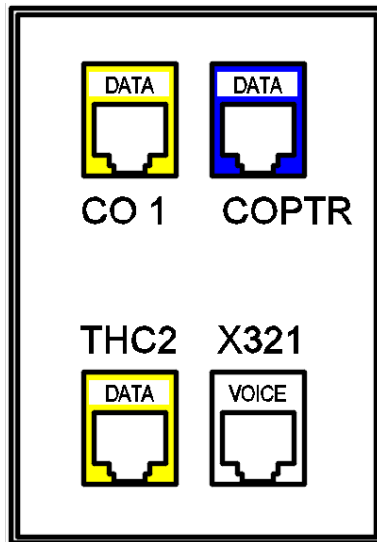


Location: Above counter.
See print for exact location.
Faceplate: Quad Port flush mount
Voice Jacks: 1 USOC Office White
1 USOC Red
Data Jacks: 1 Cat6 Yellow
Labels Voice: x304 (1416)
Labels Data: DMLT
PF2, Power Failure Jack, Emergency Use Only



Location: Above counter.
See print for exact location.
Faceplate: Quad Port flush mount
Voice Jacks: 1 USOC Office White
Data Jacks: 1 Cat6 Blue
2 Cat6 Yellow,
Label Voice: x305 (1408)
Labels Data: THC4
THC6
PTR

Cash Office



Location: Above counter.
See print for exact location.

Faceplate: Quad Port flush mount

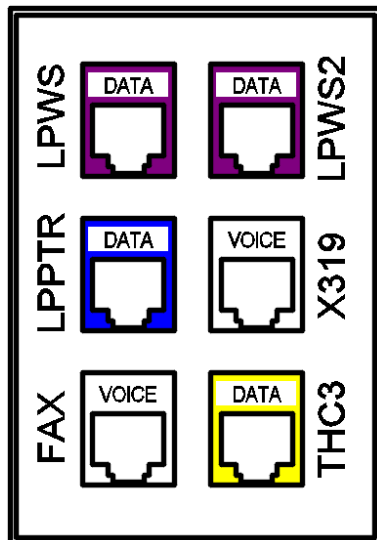
Voice Jacks: 1 USOC Office White

Data Jacks: 2 Cat6 Yellow
1 Cat6 Blue

Label Voice: x321 (1408)

Label Data: CO1
COPTR
THC2

Loss Prevention Office



Location: Above counter.
See print for exact location.

Faceplate: Six Port flush mount

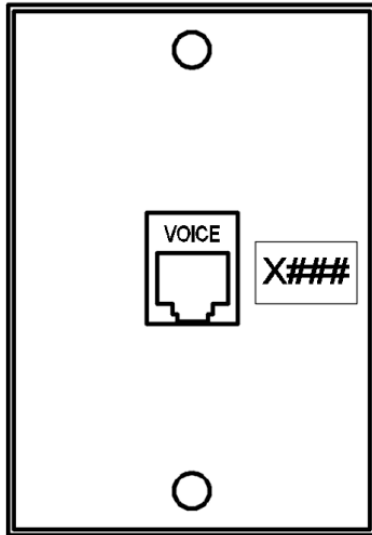
Voice Jacks: 2 USOC Office White

Data Jacks: 2 Cat6 Purple
1 Cat6 Blue
1 Cat6 Yellow

Label Voice : x319 (1408)
FAX

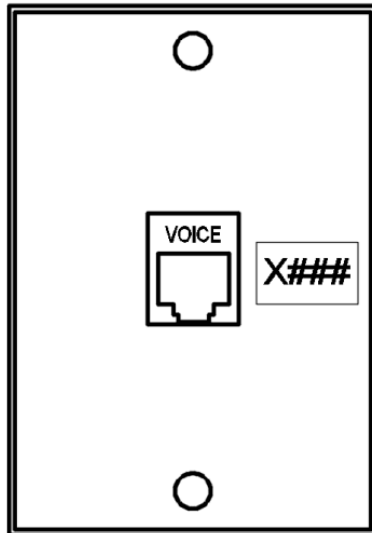
Labels Data: LPWS
LPWS2
LPPTR
THC3

Receiving

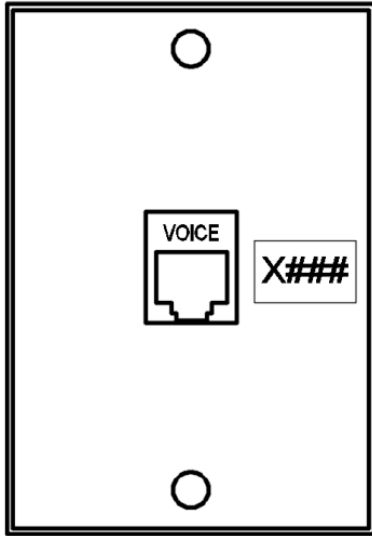


Location: Near loading dock.
See print for exact location
Faceplate: Single Port wall mount
Voice Jacks: 1 USOC Office White
Data Jacks: None
Label Voice: x308 (1408)

Stock Room



Location: Near sales floor door.
See print for exact location.
Faceplate: Single Port wall mount
Voice Jacks: 1 USOC Office White
Data Jacks: None
Label Voice: x322 (1408)

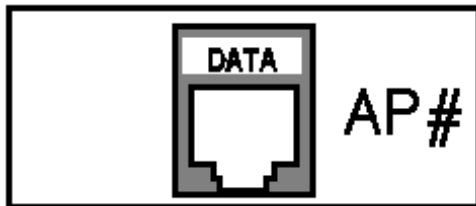


Sales Floor

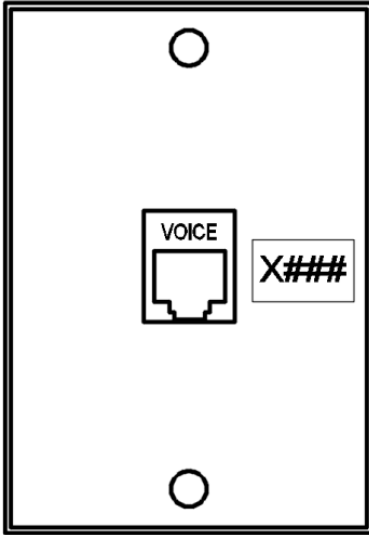
Location: ADA Height.
See print for exact location.
Faceplate: Single Port wall mount
Voice Jacks: 1 USOC Office White
Data Jacks: None
Labels Voice: x306 (1408)
x307 (1408)
x315 (1408)

Access Points

Note leave an additional 15' of slack for later movement as necessary

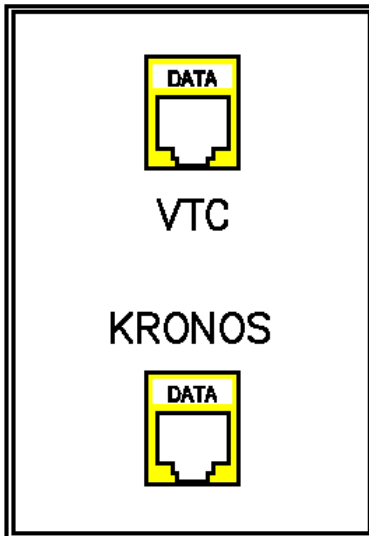


Location: Above Sales floor attached to ceiling.
See print for exact location.
Faceplate: 1-port biscuit box
Voice Jacks: None
Data Jacks: 1 Cat6 Grey
Labels Data: AP1
AP2
AP3



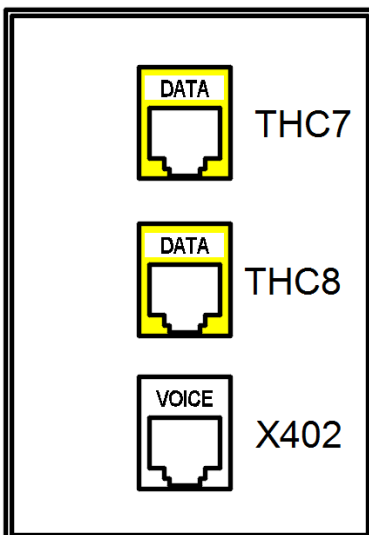
Lounge

Location: 54" from the floor
See print for exact location.
Faceplate: Single Port wall mount
Voice Jacks: 1 USOC Office White
Data Jacks: None
Label Voice: x320 (1408)



Timeclocks

Location: 44" from floor.
See print for exact location.
Faceplate: Dual Port flush mount
Voice Jacks: None
Data Jacks: 2 Cat6 Yellow
Label Data: VTC
KRONOS



Training Room

Location: 54" from floor.
See print for exact location.
Faceplate: Triple Port flush mount
Voice Jacks: 1 USOC Office White
Data Jacks: 2 Cat6 Yellow
Label Data: THC 7
THC 8
Label Voice: x402 (1408)

District Manager/ LP District Manager's Offices - New Store

Two Additional Phone lines will be ordered for district offices.

1 line will be for the District line.

This will be line 4 on the phone system.

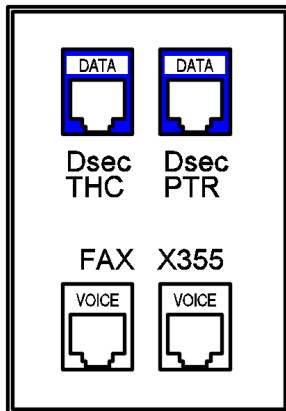
The store will not have access to this line.

The second line will be the Fax line.

District Office data

All District Office data will terminate at the patch panel in the Systems room. Please use patch panel numbers 7-10 on an MDF/IDF Patch panel scenario. Ports 35-39 will be utilized on the store HP switch for these connections.

Admin Office



Location: 18" from floor. See print for exact location.

Faceplate: Quad Port flush mount

Voice Jacks: 2 USOC Office White

Data Jacks: 2 Cat6 Blue

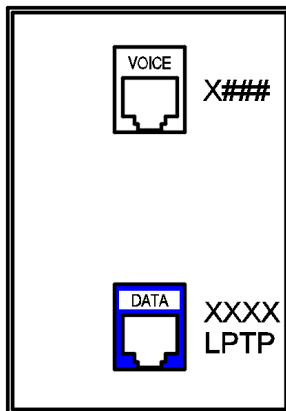
Labels Voice: x355 (1416)

Fax

Labels Data: Dsec THC

Dsec PTR

District Manager or LP District Manager



Location: 18" from floor. See print for exact location.

Faceplate: Dual Port flush mount

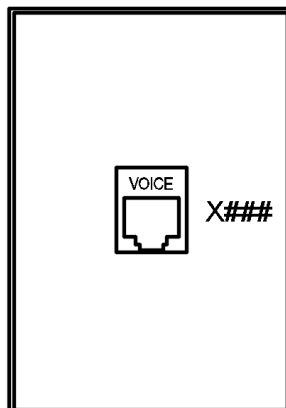
Voice Jacks: 1 USOC Office White

Data Jacks: 1 Cat6 Blue

Labels Voice: x350 (LPDM) or
x360 (DM) (1416)

Labels Data: DM LPTP or
LPDM LPTP

Conference Office



Location: See print for exact location.

Faceplate: Single Port flush mount

Voice Jacks: 1 USOC Office White

Data Jacks: None

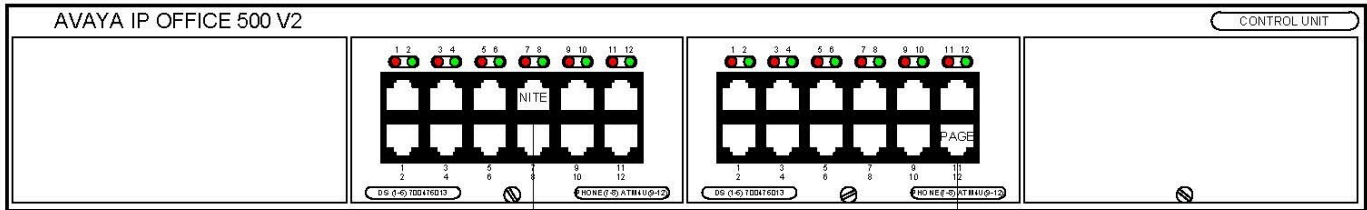
Labels Voice: x365 (1416)

Appendix

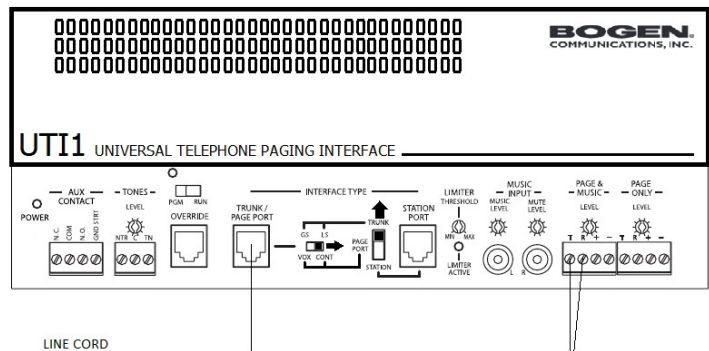
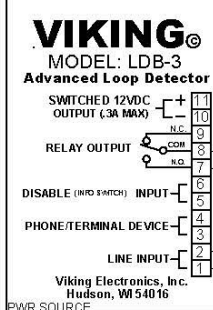
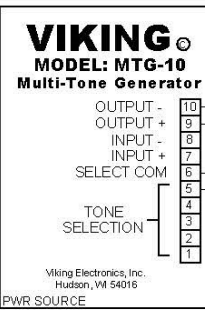
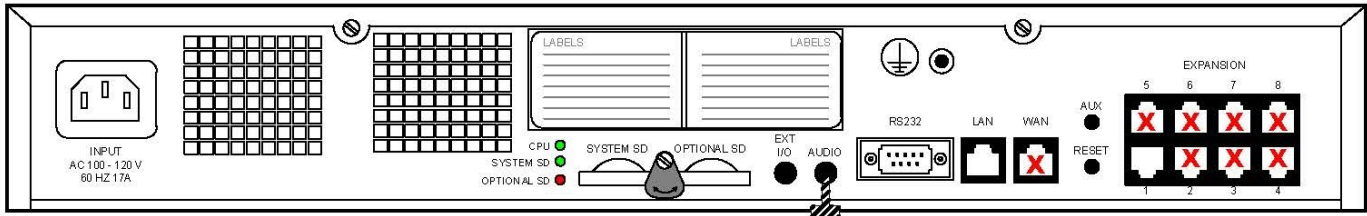
- **Paging Connectivity**
- **T1 Circuit Connectivity**
- **LP IP Camera System Wiring**

Typical Paging Connectivity

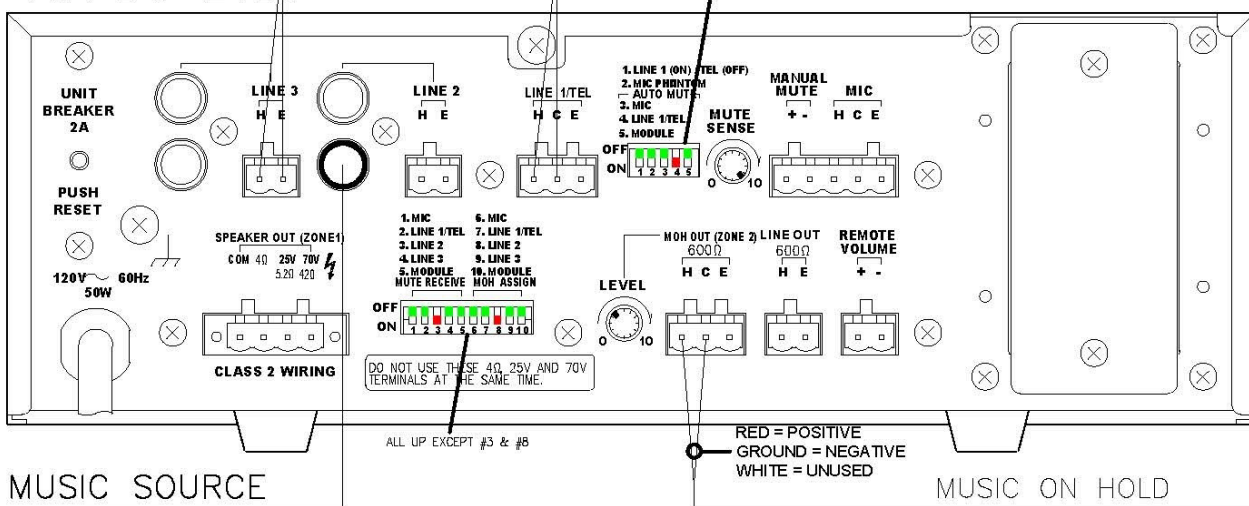
FRONT VIEW



BACK VIEW

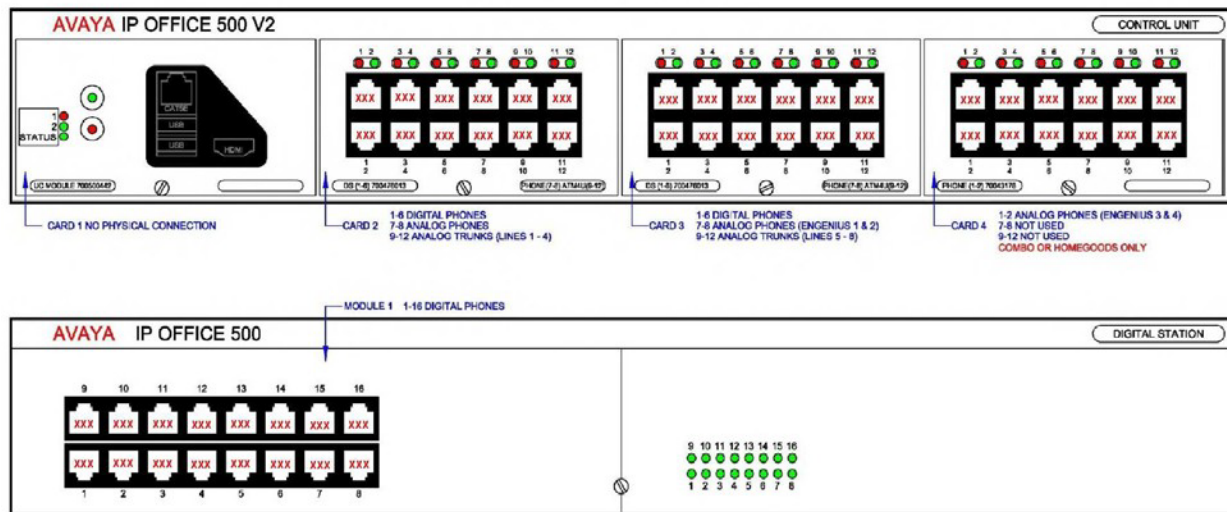


TOA BG-2120

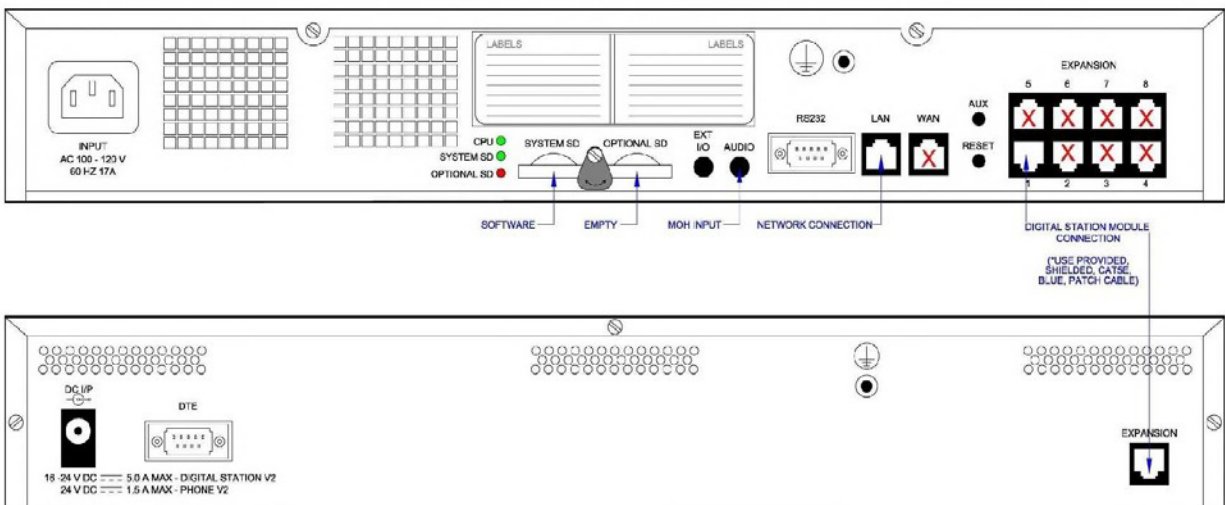


Typical Phone Switch Connectivity

FRONT VIEW



BACK VIEW



A site specific, more legible, copy of each of these diagrams (paging & phone switch connectivity) will be included in each equipment shipment to site.

Loss Prevention IP based Camera Systems

Final Render of the CCTV Cad will show camera placement and camera type on the layout. The final CCTV Render will also show the location of the camera and model type. Please contact your 2nd level support should you require further details.

- All Camera runs must stay within the 350ft cat6 specifications. All runs over 350 feet must be managed by TJX Store IDF guidelines.
- An additional 48 port patch panel is required, please install per the systems room rack layout within this document.
- Patch cables at the System rack level should be CAT6 2ft and BLACK.
- Line runs to the device level on the floor should be WHITE CAT6 terminated to a biscuit jack.
- Main cable runs from system rack to the device should also include an extra 25ft of cable coiled before the biscuit jack termination. Or as much loop as possible without exceeding 300'
- Patch cables at the biscuit jack should also be white. (If required)
- Cable labeling must be performed. Please label biscuit jack with punch number on the patch panel.
- LP cable runs must be punched per the LP Patch panel assignment list.

Covert Line Runs

Covert line runs will also be noted on the LV CAD, these runs will not have a device connected to the end of it. Covert runs are added in case a camera is required in a different coverage area in the future, to be determined by TJX LP.

- Covert runs will also run to the systems rack and be punched into the LP patch panel per the LP Patch panel assignment guide.
- Label each cable "COVERT ##. To match the punch down number on the panel on both ends and biscuit jack. Example "COVERT02"
- Covert runs require an extra 25ft of cable per run.
- Covert runs also be terminated to a biscuit jack.
- Covert must be punched into the LP Patch Panel per the Patch Panel Assignment list.

PVM MONITOR

PVM or Public View monitor is a LED Display with an IP Camera within it. These are located any entryway facing the vestibule, at the entry way of the register queue, and in shoe departments depending on MarMaxx approval. Please refer to the LV CAD for the specific PVM location.

- PVM Units require power. Each PVM location on your site's LV CAD will require 16/2 twisted pair power run. These will run to the systems room to the rack.
- The 16/2 cable run will go near the systems rack. The power supply will be mounted on the wall in the systems room 5 ft. from finished floor.
- 16/2 Power can run under 350ft, any power over 350ft will require another power supply installed in an IDF.

LP CAMERA VERBIAGE AND KEY TERMS

STATIC CAMERA – Any 1 directional camera that faces a fixed point of view.

PVM –Public View Monitor, LCD monitor that has a built in camera.

360 CAMERA – Single nonmoving camera that has 1 lens that captures 360 degrees of range.

PTZ CAMERA – Dome Style camera that has pan, tilt, zoom capability. Camera mounted on a 360 motorized axis.

MULLION CAMERA- Camera mounted at the vestibule to face customers as they walk out the door. Generally pointed at the head level. Looks like a doorbell.