






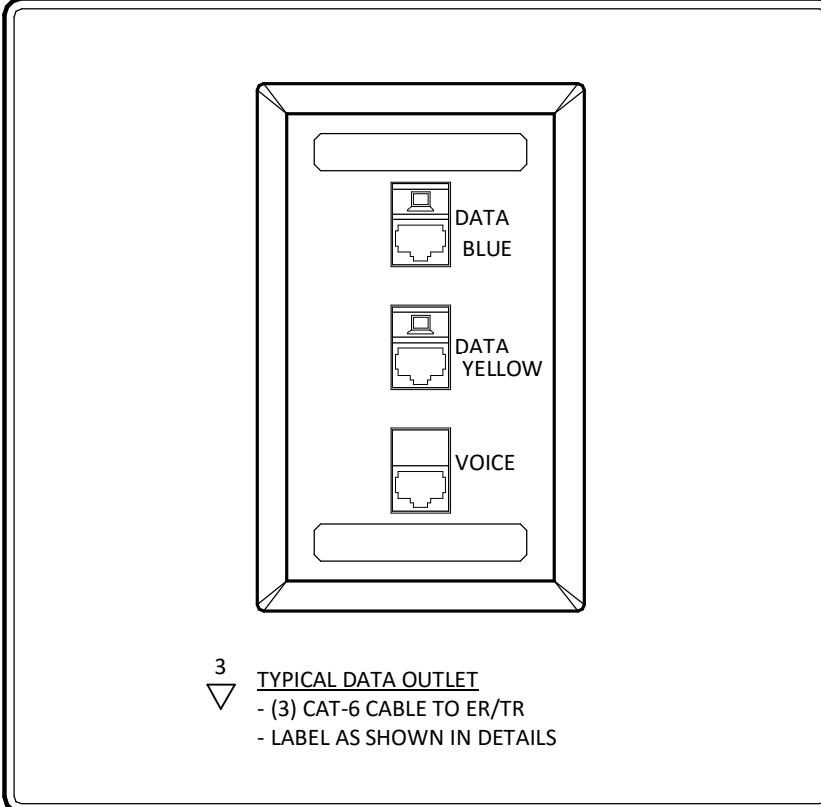


SYMBOL	SECTION	DESCRIPTION NOT ALL DEVICES LISTED ARE USED ON THIS PROJECT. REFER TO FLOOR PLANS FOR DEVICES USED.	BACKBOX REQUIREMENT	CONDUIT REQUIREMENT	INT. HGT.
	271500	DATA OUTLET. "W" SUBSCRIPT INDICATES QUANTITY OF CABLES/JACKS REQUIRED (BLANK IMPLIES ONE). REFER TO THE FACE PLATE DETAILS AND PHONE MATRIX FOR ADDITIONAL INFORMATION.	4-11/16" SQUARE x 3"D (MIN) WITH A DUAL-GANG MUD-RING	(1) 1" CONDUIT STUBBED TO THE CORRIDOR CABLE TRAY	16" AFF OR AS NOTED
	271500	VOIP WALLPHONE OUTLET. REFER TO THE FACEPLATE DETAILS AND PHONE MATRIX FOR ADDITIONAL INFORMATION.	4-11/16" SQUARE x 3"D (MIN) WITH A DUAL-GANG MUD-RING	(1) 1" CONDUIT STUBBED TO THE CORRIDOR CABLE TRAY	48" AFF
	271500	ANALOG VOICE OUTLET. "W" SUBSCRIPT INDICATES QUANTITY OF CABLES/JACKS REQUIRED (BLANK IMPLIES ONE). REFER TO FACE PLATE DETAILS FOR ADDITIONAL INFORMATION.	4-11/16" SQUARE x 3"D (MIN) WITH A DUAL-GANG MUD-RING	(1) 1" CONDUIT STUBBED TO THE CORRIDOR CABLE TRAY	16" AFF OR AS NOTED
	271500	DATA FLOOR OUTLET. "W" SUBSCRIPT INDICATES QUANTITY OF CABLES/JACKS REQUIRED (BLANK IMPLIES ONE). FLOOR BOX OR POKE-THROUGH SPECIFIED ON THE POWER PLANS UNLESS OTHERWISE NOTED.	JOINT USE FLOOR BOX WITH POWER	(1) 1" CONDUIT STUBBED TO THE CORRIDOR CABLE TRAY	FLOOR
	274131	TV/MONITOR OUTLET. REFER TO THE FACE PLATE DETAILS AND CONNECTIVITY DETAILS FOR ADDITIONAL INFORMATION. REFER TO THE PLAN CODED NOTES FOR DEVICE REQUIREMENTS.	4-11/16" SQUARE x 3"D (MIN) WITH A DUAL-GANG MUD-RING	(1) 1-1/4" CONDUIT STUBBED UP TO THE CORRIDOR CABLE TRAY	72" AFF OR AS NOTED
	274131	DISPLAY INPUT LOCATION. REFER TO THE FACE PLATE DETAILS AND CONNECTIVITY DETAILS FOR ADDITIONAL INFORMATION.	4-11/16" SQUARE x 3"D (MIN) WITH A DUAL-GANG MUD-RING	(1) 1-1/4" CONDUIT STUBBED UP TO THE CORRIDOR CABLE TRAY	16" AFF OR AS NOTED
	271500	WIRELESS ACCESS POINT CABLING LOCATION. PROVIDE WITH 10' OF CABLE COILED ABOVE THE ACCESSIBLE CEILING AND ASSOCIATED WIRELESS ACCESS POINT. EXISTING WIRELESS ACCESS POINTS ARE CISCO AIR-CT5500-K9. PROVIDE ADDITIONAL UNITS AS REQUIRED. CONTRACTOR REQUIRED TO PERFORM A CISCO WIRELESS PRE-INSTALLATION SURVEY AND POST-INSTALLATION SURVEY. SURVEY SHALL BE SUBMITTED COMPLETE WITH CERTIFICATION LETTER.	2-PORT BISCUIT BLOCK	N/A	ABOVE CEILING
	275123	INTERCOM STATION. SUBSCRIPT "P" INDICATES PRIMARY INTERCOM STATION. SUBSCRIPT "V" INDICATES VIDEO INTERCOM DOOR STATION.	4-11/16" SQUARE	(1) 1" CONDUIT STUBBED TO THE NEAREST ACCESSIBLE CEILING	48" AFF
	282300 271500	CEILING-MOUNT, IP-CCTV CAMERA. PROVIDE (1) UTP CABLE AND SURFACE MOUNTED OUTLET.	N/A	N/A	CEILING
	282300 271500	WALL MOUNT, IP-CCTV CAMERA ON THE EXTERIOR OF THE BUILDING. PROVIDE (1) UTP CABLE AND SURFACE MOUNTED OUTLET.	SEE DETAILS	(1) 1" CONDUIT STUBBED TO THE CORRIDOR CABLE TRAY	AS NOTED
	282300 271500	WALL MOUNT, IP-CCTV CAMERA ON THE INTERIOR OF THE BUILDING. PROVIDE (1) UTP CABLE AND SURFACE MOUNTED OUTLET.	SEE DETAILS	(1) 1" CONDUIT STUBBED TO THE CORRIDOR CABLE TRAY	AS NOTED
	282300	INTEGRATED SECURITY SYSTEM WORKSTATION.	DOUBLE GANG	AS NOTED ON PLANS	10" AFF OR AS NOTED
	282300	CCTV WORKSTATION	DOUBLE GANG	AS NOTED ON PLANS	96" AFF OR AS NOTED
	281300	PROXIMITY CARD READER/KEYPAD	SEE SECURITY DEVICE ROUGH-IN DETAIL	SEE SECURITY DEVICE ROUGH-IN DETAIL	48" AFF
	281300	PROXIMITY CARD READER.	SEE SECURITY DEVICE ROUGH-IN DETAIL	SEE SECURITY DEVICE ROUGH-IN DETAIL	48" AFF
	281300	ELECTRIC LOCK FURNISHED WITH DOOR HARDWARE AND WIRED BY THIS CONTRACTOR.	SEE SECURITY DEVICE ROUGH-IN DETAIL	SEE SECURITY DEVICE ROUGH-IN DETAIL	N/A
	281300	SECURITY DOOR CONTACT.	SEE SECURITY DEVICE ROUGH-IN DETAIL	SEE SECURITY DEVICE ROUGH-IN DETAIL	N/A
	281300	PANIC/LOCK DOWN BUTTON.	AS NOTED ON PLANS	AS NOTED ON PLANS	N/A
	281300	DOOR RELEASE BUTTON.	AS NOTED ON PLANS	AS NOTED ON PLANS	N/A
	270500	WIRE MESH CABLE TRAY SYSTEM (SEE PLANS), 18"W x 6"D UNLESS NOTED OTHERWISE. MOUNTING HEIGHT IS TO BOTTOM OF TRAY. HEIGHT VARIES, SEE PLANS FOR ADDITIONAL INFORMATION.	N/A	N/A	ABOVE CEILING
	270500	TELECOMMUNICATIONS MAIN GROUND BAR (TMGB).	N/A	N/A	72" AFF OR AS NOTED
	270500	TELECOMMUNICATIONS GROUND BAR (TGB).	N/A	N/A	72" AFF OR AS NOTED
	270500	TELECOMMUNICATIONS SLEEVE. UNLESS OTHERWISE NOTED, PROVIDE (2) 2" SLEEVES FROM THE CORRIDOR INTO EVERY ROOM.	N/A	N/A	ABOVE CEILING
	275223	NURSE CALL PATIENT STATION	DOUBLE GANG	(1) 1" CONDUIT STUBBED TO THE CORRIDOR CABLE TRAY	48" AFF
	275223	NURSE CALL MASTER STATION	DOUBLE GANG	(1) 1" CONDUIT STUBBED TO THE CORRIDOR CABLE TRAY	48" AFF
	275223	NURSE CALL CODE STATION	DOUBLE GANG	(1) 1" CONDUIT STUBBED TO THE CORRIDOR CABLE TRAY	48" AFF
	275223	NURSE CALL CORRIDOR LIGHT	DOUBLE GANG	(1) 1" CONDUIT STUBBED TO THE CORRIDOR CABLE TRAY	48" AFF

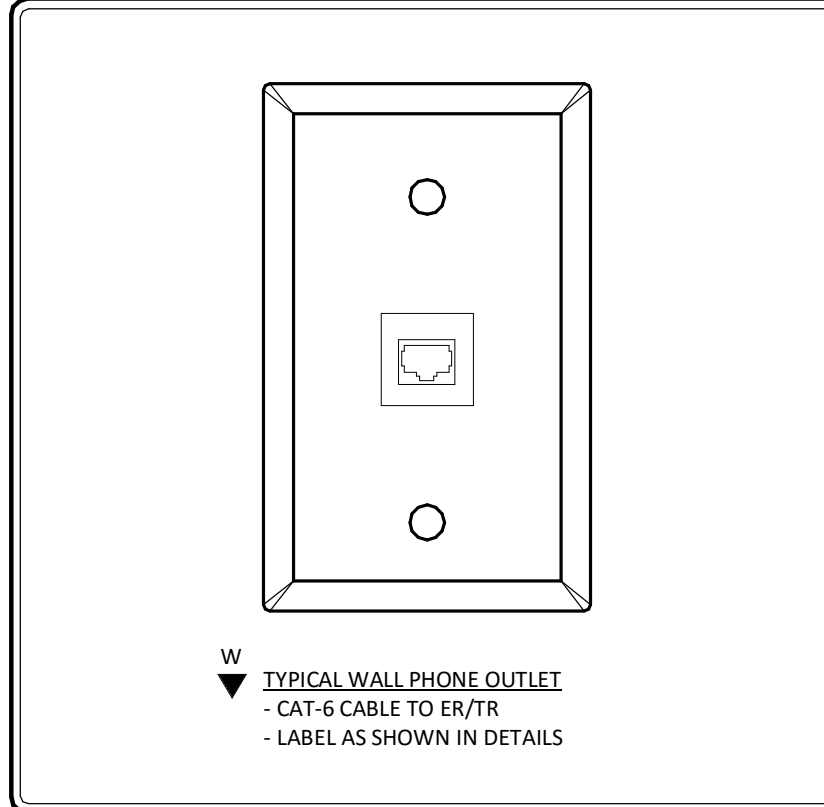
TECHNOLOGY DEMO LEGEND

SYMBOL	DESCRIPTION	DEMO INSTRUCTIONS
	NURSE CALL PATIENT STATION	REMOVE DEVICE AND PROTECT FOR REINSTALLATION DURING CONSTRUCTION PHASE. DEMOLISH ALL CABLING BACK TO SOURCE.
	NURSE CALL MASTER STATION	REMOVE DEVICE AND PROTECT FOR REINSTALLATION DURING CONSTRUCTION PHASE. DEMOLISH ALL CABLING BACK TO SOURCE.
	NURSE CALL CODE STATION	REMOVE DEVICE AND PROTECT FOR REINSTALLATION DURING CONSTRUCTION PHASE. DEMOLISH ALL CABLING BACK TO SOURCE.
	NURSE CALL CORRIDOR LIGHT	REMOVE DEVICE AND PROTECT FOR REINSTALLATION DURING CONSTRUCTION PHASE. DEMOLISH ALL CABLING BACK TO SOURCE.
	WIRELESS ACCESS POINT.	REMOVE DEVICE AND PROTECT FOR REINSTALLATION DURING CONSTRUCTION PHASE. DEMOLISH ALL CABLING BACK TO SOURCE.
	VOICE/DATA OUTLET	DEMOLISH ALL CABLING BACK TO SOURCE.
	WALL PHONE OUTLET	DEMOLISH ALL CABLING BACK TO SOURCE.

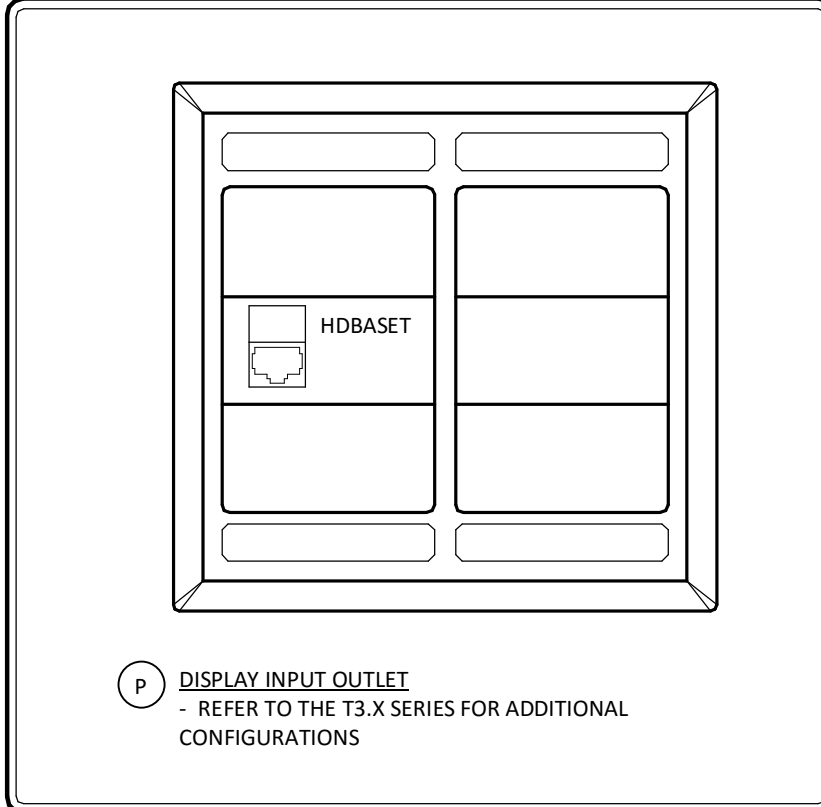
DATA OUTLET



WALLPHONE OUTLET



DISPLAY INPUT OUTLET



LEGEND

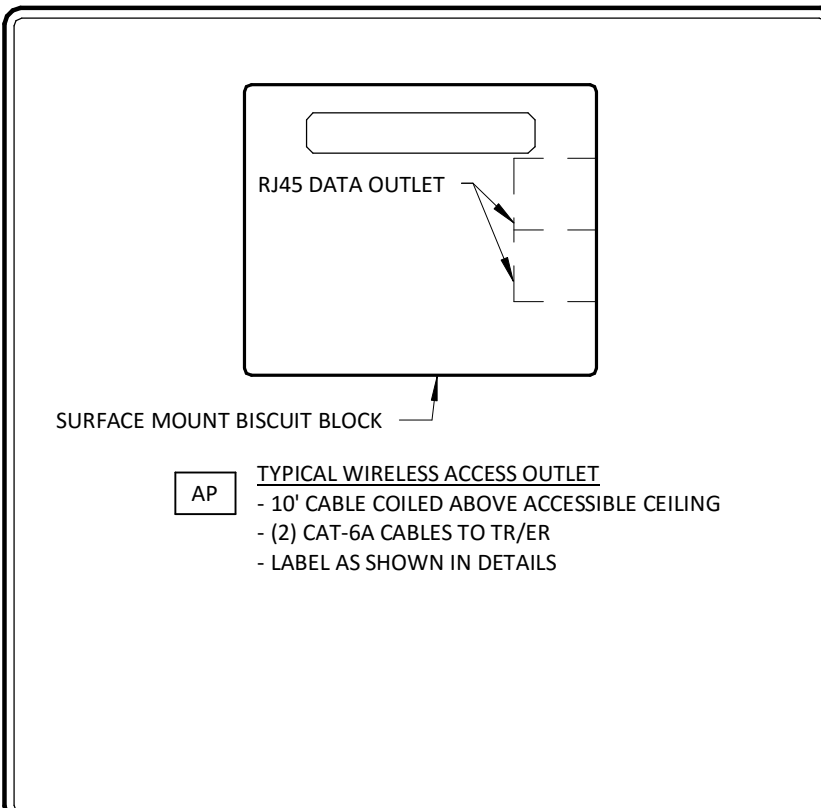
E	EXISTING TO REMAIN
NAC	NOTIFICATION APPLIANCE CIRCUIT
R	DEVICE TO BE REMOVED AND RELOCATED TO ANOTHER AREA
RD	DEVICE RELOCATED FROM ANOTHER AREA
FE	HALF SHADE DEVICES WITH A "E" SUBSCRIPT ARE EXISTING TO REMAIN. LINETYPE IS TYPICAL FOR ALL DEVICES TO REMAIN.
FE	EXISTING DEVICE TO BE REMOVED AND/OR RELOCATED. CIRCUITRY MUST BE MADE CONTINUOUS TO ALL REMAINING DEVICES. LINE TYPE TYPICAL FOR ALL DEVICES TO BE REMOVED AND/OR RELOCATED.
FE	FIRE ALARM SPEAKER & ADA SIGNAL LIGHT (80" MH) PC - PROVIDE WITH HEAVY DUTY TAMPER RESISTANT POLYCARBONATE COVER WG - WIRE GUARD WP - WEATHERPROOF
FE	FIRE ALARM ADA VISUAL SIGNALING LIGHT (80" MH) PC - PROVIDE WITH HEAVY DUTY TAMPER RESISTANT POLYCARBONATE COVER
FE	FIRE ALARM SIGNAL PULL-STATION (46" MH) K - KEY OPERATED WITH BEST 7-PIN CORE
FE	CEILING-MOUNTED SMOKE DETECTOR ER - ELEVATOR RECALL
FE	CEILING MOUNTED HEAT DETECTOR
FE	DUCT MOUNTED SMOKE DETECTOR
FE	DUCT MOUNTED DETECTOR REMOTE TEST STATION AND ALARM INDICATOR LIGHT, WALL MOUNTED AT (80" MH) UNLESS NOTED OTHERWISE. FLUSH MOUNTED AND KEY OPERATED.
FE	ELECTROMAGNETIC DOOR HOLDER POWERED BY FIRE ALARM SYSTEM AND BATTERIES
FE	FIRE ALARM CONTROLLED PROGRAMMABLE RELAY
FE	SMOKE DAMPER, REFER TO CONTROL DETAIL

Sheet List	
Sheet Number	Sheet Name
T000	TECHNOLOGY LEGEND, ABBREVIATIONS, AND FACE PLATE DETAILS
T001	TECHNOLOGY DETAILS
T0100	BASEMENT TECHNOLOGY DEMO PLAN
T0101	FIRST FLOOR TECHNOLOGY DEMO PLAN
T0102	SECOND FLOOR TECHNOLOGY DEMO PLAN
T0103	ATTIC TECHNOLOGY DEMO PLAN
T100	BASEMENT TECHNOLOGY PLAN
T101	FIRST FLOOR TECHNOLOGY PLAN
T102	SECOND FLOOR TECHNOLOGY PLAN
T103	ATTIC TECHNOLOGY PLAN
T201	ENLARGED TECHNOLOGY ROOM
T301	TECHNOLOGY AND SECURITY DETAILS
T302	VIDEO DETAILS
T303	SITE FIBER DETAILS

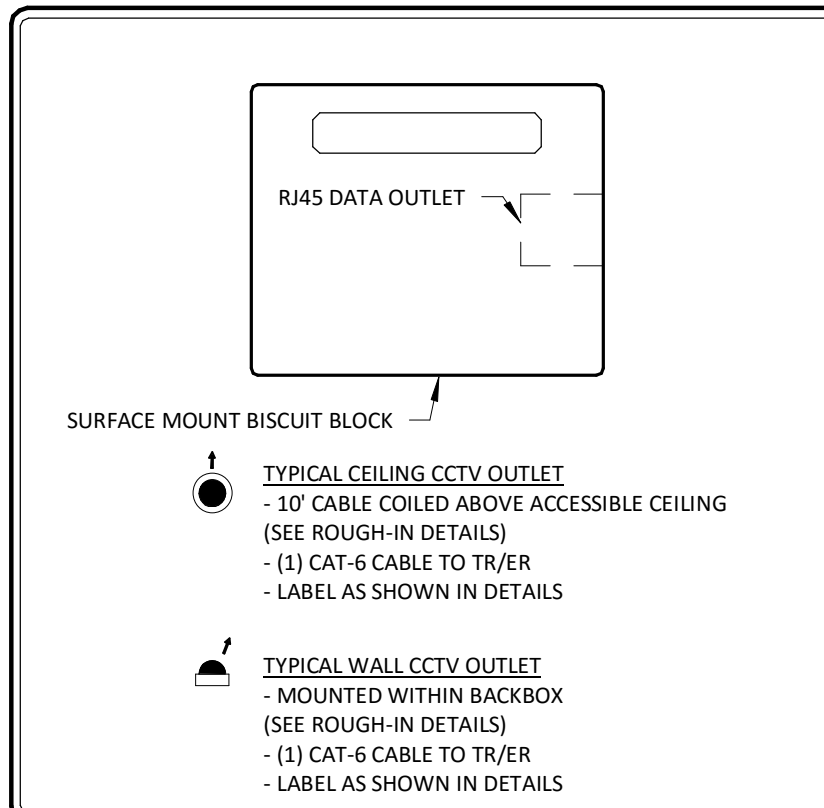
FIRE ALARM GENERAL NOTES

- A. - THE EXISTING FIRE ALARM SYSTEM IS A SIMPLEX 4100ES FIRE ALARM SYSTEM. THE EXISTING SYSTEM SHALL BE MAINTAINED AND SHALL BE EXPANDED AS REQUIRED TO ACCOMMODATE ALL DEVICES AND ALL FIRE ALARM WORK TO BE INSTALLED PER DOCUMENTS. CAMPUS WIDE FIRE ALARM SYSTEM SHALL BE RE-PROGRAMMED AS REQUIRED TO UPDATE SYSTEM GRAPHICS TO ACCURATELY REFLECT SYSTEM INSTALLED.
- B. - ALL FIRE ALARM STROBES ARE TO BE SYNCHRONIZED.
- C. - PROVIDE POLYCARBONATE IMPACT RESISTANT DEVICE COVERS UL RATED FOR USE WITH SPECIFIC FIRE ALARM DEVICE WHERE SHOWN ON PLANS. DERATING OF THE STROBE AND SOUND COVERAGE OF SPEAKERS SHALL BE ACCOUNTED FOR IN FINAL SYSTEM CALCULATIONS.
- D. - PROVIDE PULLSTATIONS WITH LOCKABLE OPERATION WHERE SHOWN ON PLANS. ALL LOCKS SHALL BE BEST 7-PIN LOCK CORE.
- E. - ALL FIRE ALARM CABLING SHALL BE INSTALLED WITHIN CONDUIT.
- F. - PROVIDE ADDITIONAL I/O CARDS WITHIN EXISTING FIRE ALARM CONTROL PANEL FOR INTEGRATION OF DURESS SYSTEM TO FIRE ALARM PANEL. COORDINATE ALL REQUIREMENTS WITH THE VA.

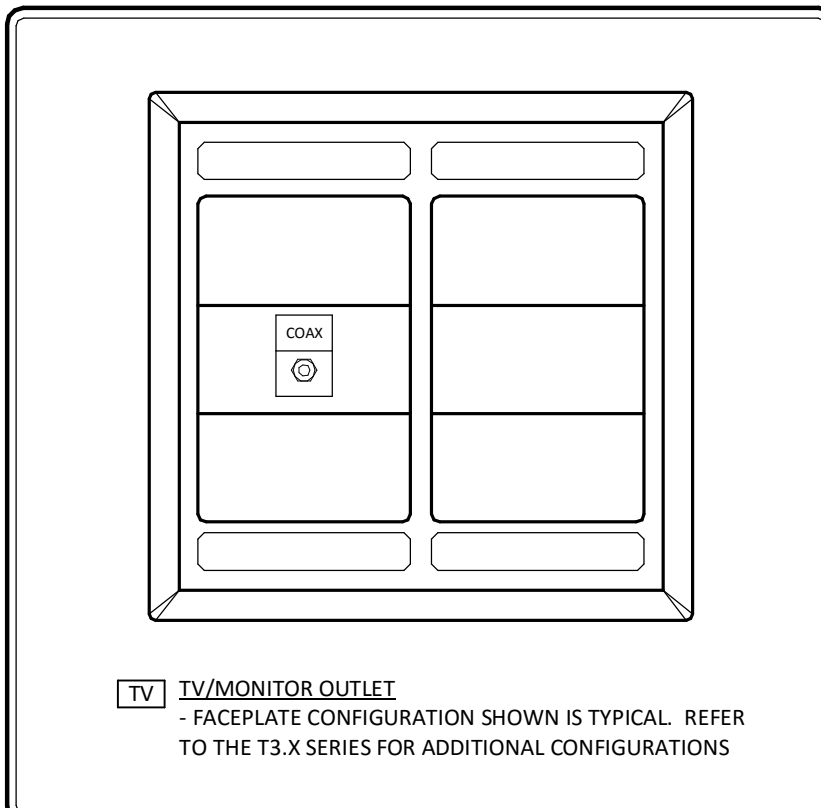
WAP OUTLET



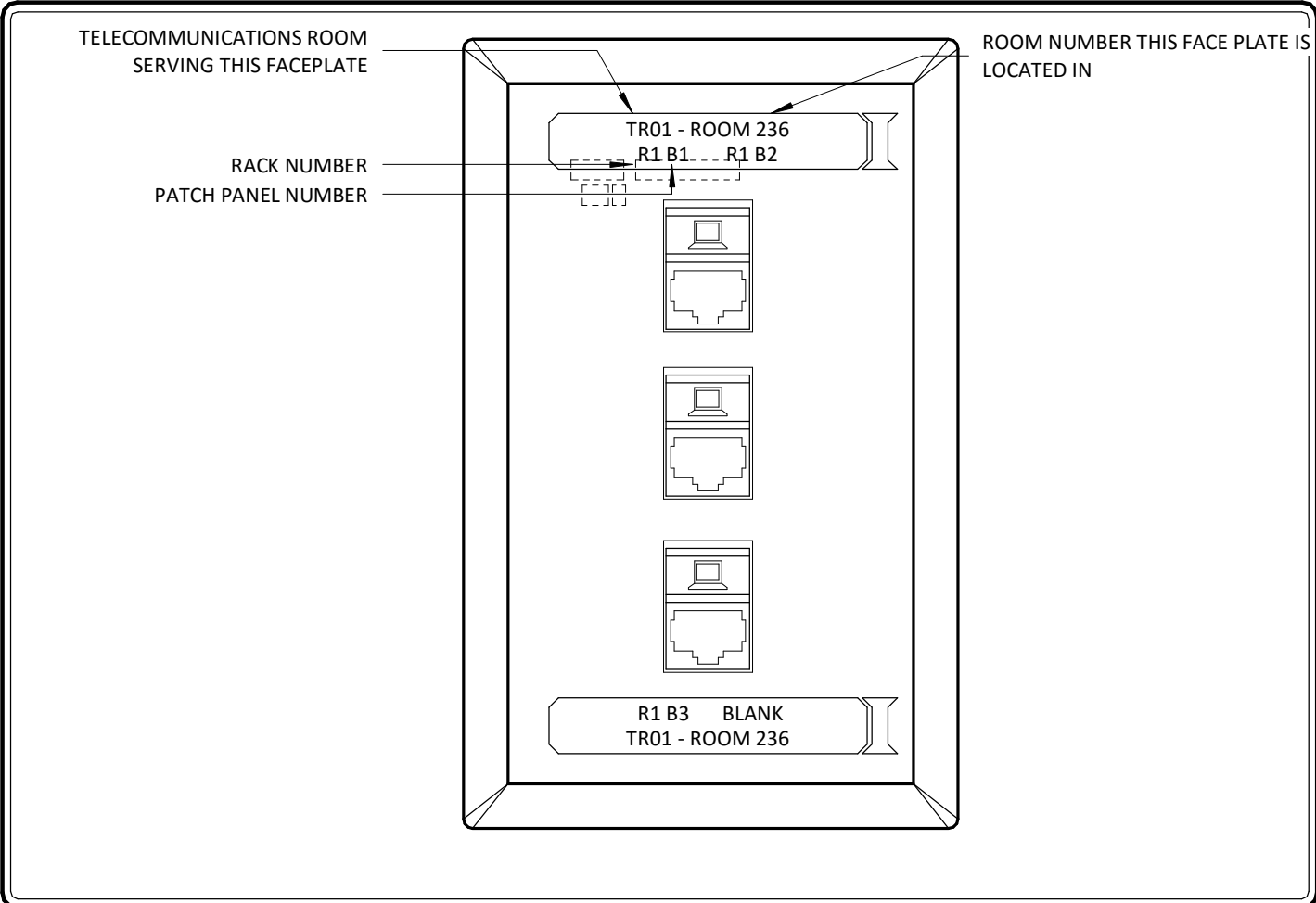
CCTV CAMERA OUTLET



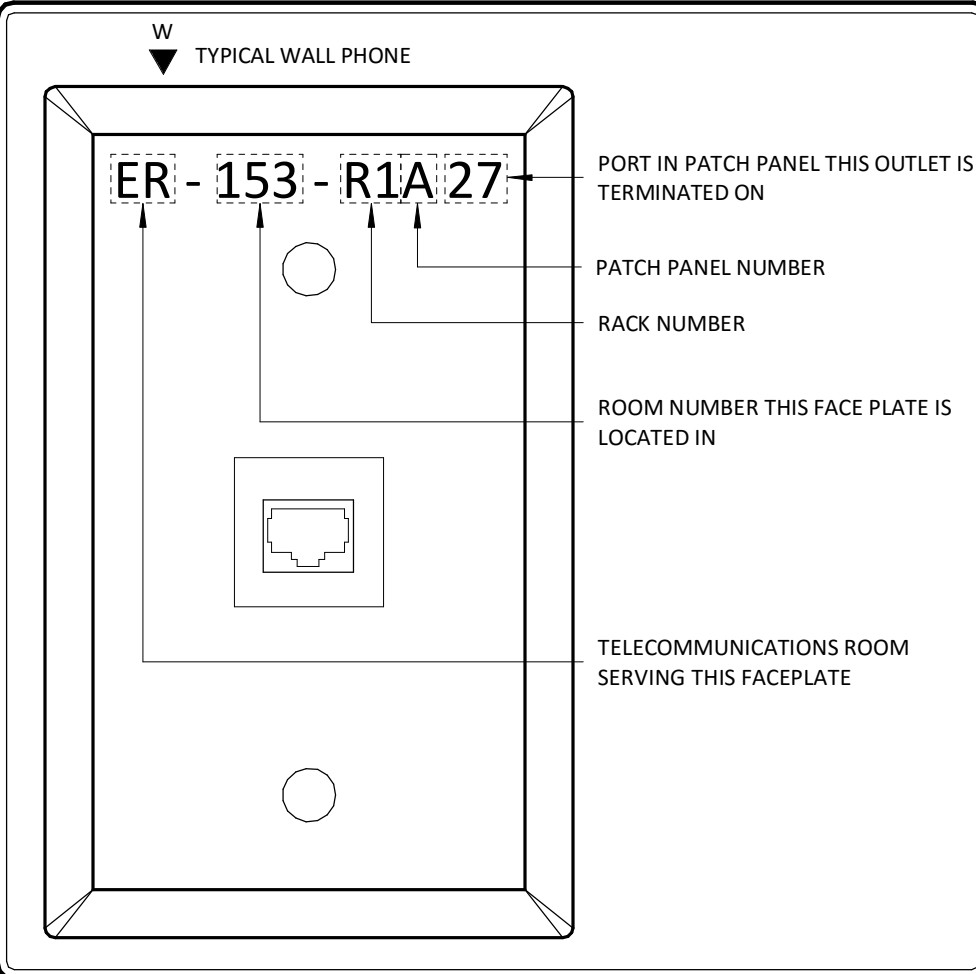
TELEVISION OUTLET



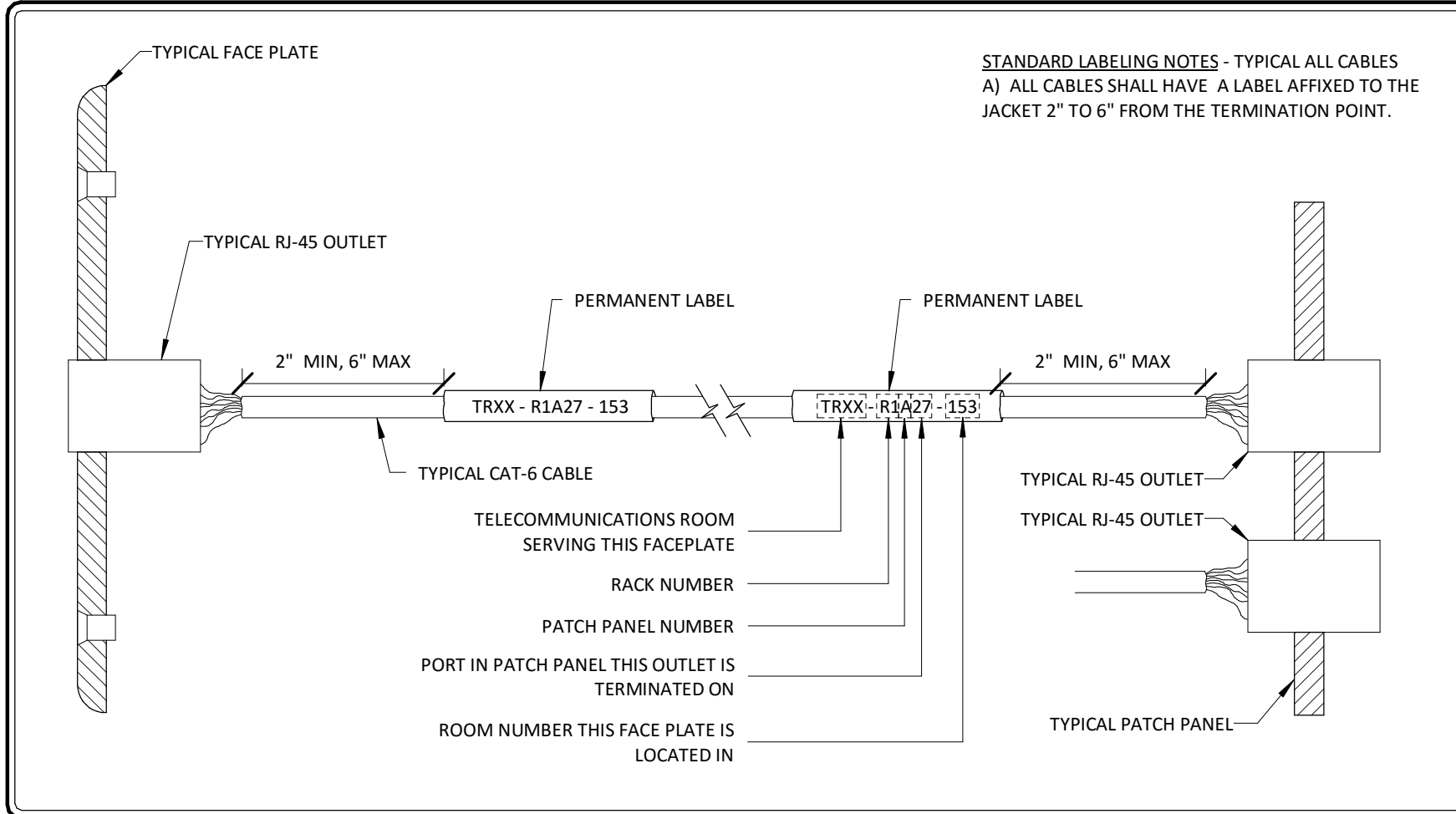
VOICE/DATA OUTLET LABELING



WALLPHONE OUTLET LABELING



TYPICAL CABLE LABELING AT OUTLET AND PATCH PANEL



TECHNOLOGY ABBREVIATIONS

SECTION	DESCRIPTION	SECTION	DESCRIPTION
AFC	ABOVE FINISHED COUNTER - ALLOW 2" CLEARANCE FROM BACKSPASH TO OUTLET FOR FACE PLATE	TR	TELECOMMUNICATIONS ROOM
AFF	ABOVE FINISHED FLOOR - TO BOTTOM OF ITEM UNLESS INDICATED OTHERWISE ON THE DRAWINGS	TYP	TYPICAL
CAT	CATEGORY	V	INTEGRATED VOLUME CONTROL
ER	EQUIPMENT ROOM	VOIP	VOICE OVER INTERNET PROTOCOL
GBE	GIGABIT ETHERNET	VP	VANDAL PROOF
IWB	INTERACTIVE WHITE BOARD	WAP	WIRELESS ACCESS POINT
MH	MOUNTING HEIGHT TO THE CENTER OF ITEM UNLESS INDICATED OTHERWISE ON DRAWINGS	WG	WIREGUARD SIZED SPECIFICALLY FOR THE DEVICE IT IS SERVING
MM	MULTIMODE FIBER OPTIC CABLE	PLAN	PLAN NOTE SYMBOL - APPLIES ONLY TO THE SHEET ON WHICH IT IS SHOWN
RU	RACK UNITS	1	DETAIL NOTE SYMBOL - APPLIES ONLY TO THE DETAIL WHERE NOTE IS SHOWN
SM	SINGLEMODE FIBER OPTIC CABLE		

CABLE AND OUTLET COLOR

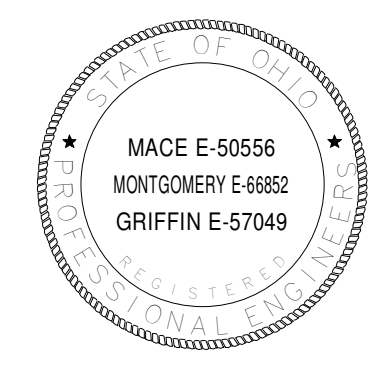
COLOR	DESCRIPTION
BLUE	DATA OULET
YELLOW	DATA OULET
WHITE	VOICE
GREY	WAP
PURPLE	CCTV
GREEN	POINT-TO-POINT CONNECTIONS

TECHNOLOGY GENERAL NOTES

- A. - ANY ADDITIONAL SLEEVES AND/OR PENETRATIONS REQUIRED FOR THE INSTALLATION OF LOW VOLTAGE SYSTEM CABLING NOT SHOWN ON THESE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR INSTALLING THE LOW VOLTAGE SYSTEM.
- B. - UNDER NO CIRCUMSTANCE SHALL ANY LOW VOLTAGE SYSTEM'S CABLES BE LOCATED IN A PATHWAY CONTAINING ANY OTHER SYSTEM'S CABLING. PROVIDE FIRE-RATED SLEEVES AT ALL FIRE WALL PENETRATIONS AND WALL PENETRATIONS WHERE THE WALL EXTENDS ALL THE WAY TO THE DECK ABOVE.
- C. - REFER TO THE ARCHITECTURAL INTERIOR ELEVATIONS FOR DEVICE LOCATIONS AND MOUNTING HEIGHTS WHEN LOCATED AT OR ABOVE CASEWORK. COORDINATE EXACT DEVICE LOCATIONS PRIOR TO ROUGH-IN.
- D. - CONDUITS AND PULL BOXES SHALL CONFORM TO THE LATEST EDITION OF EIA/TIA/568. IN GENERAL, CONDUITS SHALL:
1. NOT HAVE MORE THAN (2) 90° BENDS BETWEEN PULL POINTS.
 2. NOT HAVE MORE THAN 100' BETWEEN PULL POINTS.
 3. NOT HAVE A PULL BOX INSTALLED IN PLACE OF A 90° BEND.
- E. - ALL CONDUITS SHALL BE BUSHED AT BOTH ENDS AND PROVIDED WITH A PULL STRING FOR FUTURE CABLE PLACEMENT. CONDUITS SCHEDULED TO BE STUBBED ABOVE THE CEILING SHALL BE TERMINATED PERPENDICULAR TO THE WALL SURFACE. CONDUITS SCHEDULED TO BE ROUTED TO THE CABLE TRAY SHALL EXIT THE WALL CAVITY PERPENDICULAR TO THE SURFACE. CONDUITS SHALL TERMINATE ABOVE THE EDGE OF THE CABLE TRAY.
- F. - IN ROOMS WITH OPEN CEILINGS, CONDUITS SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO WALLS. ANGLED CONDUITS WILL NOT BE PERMITTED. CONTRACTORS SHALL FIELD COORDINATE ALL DEVICE LOCATIONS PRIOR TO SURFACE MOUNTING EMT CONDUITS OR RACEWAY.
- G. - ANY LOW VOLTAGE CABLING IN AN OPEN CEILING AREA (EXAMPLE GYMNASIUM) SHALL BE INSTALLED WITHIN CONDUIT BACK TO AN ACCESSIBLE CEILING WITH CABLE TRAY. ALL CONDUIT SHALL BE PAINTED TO MATCH THE SURROUNDING AREAS.
- H. - CABLING ASSOCIATED WITH THE WIRELESS ACCESS POINTS SHALL BE PROVIDED WITH A COIL OF CABLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ADJUST THE LOCATIONS OF THE WIRELESS ACCESS POINTS, AS REQUIRED, AFTER CONDUCTING A SITE VERIFICATION SURVEY TO ENSURE COVERAGE THROUGHOUT THE FACILITY.
- I. - THE CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS WITH ALL FINAL OUTLET LABELING SHOWN ON THE FLOOR PLANS.
- J. - TECHNOLOGY OUTLETS ARE TO BE WITHIN 6" OF AN ELECTRICAL POWER RECEPTACLE.
- K. - ALL HORIZONTAL AND BACKBONE LOW VOLTAGE CABLING SHALL BE PLENUM RATED. ANY LOW VOLTAGE DEVICE INSTALLED ABOVE THE FINISHED CEILING SHALL BE PLENUM RATED.

1 Addendum 1	08/24/16
Revisions:	Date

CONSULTANTS:



ARCHITECT/ENGINEERS:



Engineering Ltd.

Facility Engineering Consultants

855 Grandview Avenue, 3rd Floor Columbus, OH 43215
Phone: (614) 443-1178 Fax: (614) 443-1594
Email: dynamix@dynamix-lltd.com
DEL # 44010

© Copyright 2014

TECHNOLOGY LEGEND, ABBREVIATIONS, AND FACE PLATE DETAILS

Approved:

BID DOCUMENTS

Project Title
**CORRECT PRIVACY/
SAFETY/ENVIRONMENTAL
ISSUES IN BUILDING**

Project Number
538-115

Building Number
26

Drawing Number
T000

Date
4/21/2016

Checked By:
DYN

Drawn By:
DYN

Office of
Construction and
Facilities
Management

