

FOR REFERENCE ONLY

TECHNOLOGY SYSTEMS GENERAL NOTES

1. REFER TO SPECIFICATION SECTION "TECHNOLOGY" GENERAL PROVISIONS FOR MORE INFORMATION ABOUT DRAWINGS AND NO DOCUMENTS.
2. MANY SYMBOLS USED IN THIS PROJECT HAVE A TYPE ASSOCIATED WITH THEM. SEE SHEETS WITH DETAILS AND PROJECT SPECIFICATIONS FOR MORE INFORMATION ON THE DESCRIPTION OF EACH TYPE.
3. ALL CONDUIT FOR TECHNOLOGY SYSTEMS IN ROOM ABOVE GRADE SHALL BE EMT AND ALL CONDUIT FOR BELOW GRADE SHALL BE PVC.
4. SEE LIFE SAFETY PLANS FOR LOCATIONS OF FIRE RATED PARTITIONS IN THIS PROJECT. PROVIDE AN APPROVED FIRE STOP SYSTEMS FOR EACH PENETRATION OR CABLE GOING THROUGH A RATED WALL. SEE SPECIFICATION "RACEWAYS FOR TECHNOLOGY" FOR MORE INFORMATION.
5. WORKING CLEARANCES AROUND ELECTRICAL EQUIPMENT SHALL BE MAINTAINED IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE ARTICLE 110. COORDINATE EQUIPMENT INSTALLATION TO MAINTAIN REQUIRED CLEARANCES.
6. SYMBOLS USED ON THE TECHNOLOGY DRAWINGS ARE NOT THE SAME SIZE AS THE ACTUAL OBJECT BEING REPRESENTED. THEREFORE LOCATIONS OF THE SYMBOLS ON THE FLOOR PLANS ARE AN APPROXIMATION TO THE ACTUAL LOCATION OF THE DEVICES AND NEED TO BE CAREFULLY COORDINATED WITH OTHER ELEMENTS IN THE VICINITY AS A GENERAL GUIDELINE.
7. TV OUTLETS SHALL BE INSTALLED WITHIN 6 INCHES OF A POWER OUTLET SHOWN ON THE ELECTRICAL DRAWINGS.
8. WHEN MULTIPLE TECHNOLOGY SYSTEMS OUTLETS ARE INDICATED NEXT TO EACH OTHER WITH SYMBOLS, THE SPACING BETWEEN OUTLETS SHALL BE CONSISTENT IF NO ELEVATIONS ARE SHOWN ON THE DRAWINGS.
9. WHEN INSTALLER IS NOT CERTAIN ABOUT SPECIFIC ADJACENCIES OF A DEVICE, THE QUESTION SHALL BE ASKED TO THE ENGINEER PRIOR TO INSTALLATION.
10. FOR EXACT LOCATION OF CEILING MOUNTED EQUIPMENT REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN. LOCATIONS OF EQUIPMENT NOT INCLUDED ON THE REFLECTED CEILING PLAN SHALL BE COORDINATED WITH THOSE ITEMS SHOWN. COORDINATION OF CEILING MOUNTED EQUIPMENT SHALL BE PRIOR TO ANY ROUGH-IN. NOTIFY ENGINEER OF ANY DISCREPANCY.
11. LOCATIONS OF FLOOR BOXES AND FLOOR PENETRATIONS SHALL NOT BE MEASURED FROM THIS SET OF DRAWINGS. INSTALLER SHALL REQUEST PRECISE LOCATIONS FROM ARCHITECT.
12. EACH VOICEDATA RACK JACK SHALL BE CONNECTED TO A DEDICATED 4 PR CABLE.
13. THE RESPONSIBILITY OF RACKWAY INSTALLATION SHALL BE AS DIRECTED BY THE CONSTRUCTION MANAGER OR GENERAL CONTRACTOR, BUT ALL RACKWAYS FOR TECHNOLOGY ARE TO BE INCLUDED IN THIS CONTRACT.
14. WHEN CONDUIT RUNS ARE INDICATED ABOVE GRADE OR BELOW GRADE ON THESE DRAWINGS, NOT EVERY SINGLE JUNCTION BOX (OR COMMUNICATIONS WALL) REQUIRED IS INDICATED ON THE DRAWINGS. TYPICALLY ONLY END POINT LOCATIONS OR SPECIFIC PASS THROUGH LOCATIONS WHERE THE ENGINEER DESIGNS A BOX ARE SHOWN ON THE DRAWINGS. SEE SPECIFICATION "RACKWAYS FOR TECHNOLOGY" FOR REQUIREMENTS THAT INDICATE ADDITIONAL JUNCTION BOXES OR COMMUNICATIONS WALLS THAT SHALL BE PROVIDED UNDER THIS CONTRACT. SUCH REQUIREMENTS INCLUDE ADDITIONAL BOXES REQUIRED BECAUSE OF NUMBER OF CONDUIT BENDS OR CHANGES IN ELEVATION.
15. SOME SYMBOLS INCLUDED IN THE SYMBOL LEGEND MAY NOT BE USED IN THESE PROJECT DRAWINGS.
16. UNDER NO CONDITIONS, CONDUITS FOR LOW VOLTAGE FOR FLOOR BOXES SHALL BE DASH CHAINED TOGETHER BETWEEN ADJACENT FLOOR BOXES. ALL CONDUITS FOR FLOOR BOXES SHALL BE HOME RUNS TO NEAREST ACCESSIBLE CEILING SPACE.
17. THIS SET OF DRAWINGS DOES NOT INDICATE ALL GROUNDING AND BONDING REQUIREMENTS FOR TECHNOLOGY SYSTEMS. REFER TO SPECIFICATION SECTION "GROUNDING FOR TELECOMMUNICATION SYSTEM" FOR ADDITIONAL REQUIREMENTS.
18. ALL CABLES FOR TECHNOLOGY SYSTEMS RUN UNDER SLAB OR BELOW GRADE IN CONDUITS STUBBED UP INSIDE THE TELECOM ROOM SHALL BE INDOOR/OUTDOOR RATED. FOR CONDUITS STUBBED UP IN OTHER LOCATIONS DIFFERENT FROM TELECOM ROOMS AND FURTHER THAN 9 FT. FROM A TELECOM ROOM DO NOT USE INDOOR/OUTDOOR RATED CABLES.
19. GRAPHICS USED FOR EQUIPMENT IN ELEVATIONS AND CHANNELS (LINE DRAWINGS) DO NOT NECESSARILY REPRESENT THE PART NUMBER OF THE EQUIPMENT SPECIFIED. THE PART NUMBERS LISTED IN THE DRAWINGS AND SPECIFICATIONS ARE TO BE FOLLOWED FOR BASIS OF DESIGN, NOT THE GRAPHICS.
20. THE TECHNOLOGY DRAWINGS DO NOT SHOW ALL REQUIRED CONDUITS/RACEWAYS TO BE PROVIDED UNDER THIS CONTRACT. TYPICALLY CONDUIT SLEEVES SMALLER THAN 2" ARE NOT SHOWN ON THE DRAWINGS. SEE SPECIFICATIONS "RACKWAYS FOR TECHNOLOGY" AND DRAWING DETAILS FOR ADDITIONAL RACKWAY REQUIREMENTS.
21. DEFINITION OF ACRONYMS USED IN THESE DRAWINGS:
A. NIC (N.I.C.) - NOT IN CONTRACT
B. OFI (O.F.I.) - OWNER FURNISHED EQUIPMENT - SEE RESPONSIBILITY MATRIX FOR MORE INFORMATION.
C. DIH (D.I.H.) - DOWD HARDWARE INSTALLER
D. U.S.C. - UNDER SEPARATE CONTRACT.
22. ALL REQUIRED WALL PENETRATIONS, EXISTING AND NEW, SHALL MAINTAIN THE NEW WALL RATING AFTER CABLING HAS BEEN INSTALLED OR REMOVED.
23. ALL SPEAKERS MOUNTED IN A CEILING TILE SHALL BE CENTERED IN THE CEILING TILE.

SECURITY SYSTEM GENERAL NOTES

1. SYMBOLS USED TO REPRESENT DEVICES SUCH AS CCTV CAMERAS, INTERCOM STATIONS, SECURITY WORKSTATIONS, CALL STATIONS, AND EMERGENCY PHONE STATIONS REQUIRE ONE (1) DATA DROP FOR SUCH DEVICE. THIS DATA DROP IS NOT SHOWN ON THE VOICEDATA FLOOR PLANS, BUT SHALL BE PROVIDED FOLLOWING ALL REQUIREMENTS FOR VOICEDATA RACKS INDICATED IN THE DRAWING DETAILS AND IN THE SPECIFICATION "STRUCTURED CABLING SYSTEM".
2. ANY DATA DROPS FOR SECURITY DEVICES EXCEEDING 295 FT. OF PERMANENT LINK DISTANCE TO THE TELECOM ROOM WHERE CAMERA WILL BE WROD TO, SHALL BE WIRED WITH FIBER OPTICS FOR HORIZONTAL CABLING AND A 2 COUPLER (W/ ANGLE CLIP) CABLE. THE FIBER CABLE SHALL BE AS DESCRIBED IN SPECIFICATION "STRUCTURED CABLING SYSTEM". IF NO INDICATION IN SUCH SPECIFICATION, FIBER OPTIC CABLE SHALL BE A 2-STRAND OM3 CABLE WITH A SUITABLE JACKET FOR THE APPLICATION.
3. ALL DOUBLE DOORS THAT ARE SHOWN WITH TWO DOOR POSITIONS SWITCHES ARE TO RECEIVE (1) DOOR POSITION SWITCH ON EACH DOOR LEAF AND SHALL REPORT AS ONE ALARM POINT.
4. ALL CAMERAS, CARD READERS AND/OR KEYPADS DEDICATED FOR ELEVATOR FLOOR SELECTION CONTROL, ARE SHOWN INSIDE THE ELEVATOR CAB ON THE LOWEST LEVEL FLOOR PLAN TO WHICH THE ELEVATOR TRAVELS.
5. LOCATION OF SURVEILLANCE CAMERAS SHALL BE CLOSELY COORDINATED WITH OTHER TRADES TO AVOID OBSTRUCTIONS IN THE FIELD OF VIEW. IT IS NOT REQUIRED FOR CAMERAS TO BE MOUNTED IN CENTER OF A CEILING TILE OR CENTER OF A HALLWAY. IF THAT LOCATION CAUSES AN OBSTRUCTION IN THE FIELD OF VIEW OF THE CAMERA, ALL CAMERAS ARE TO BE INSTALLED AS TO MINIMIZE THE OBSTRUCTIONS IN THE FIELD OF VIEW WITHIN A 4' RADIUS OF THE SPECIFIED LOCATION.
6. SURVEILLANCE CAMERAS INDICATED IN THE CORNER OF A ROOM SHALL BE INSTALLED AS CLOSE AS PHYSICALLY POSSIBLE TO THE CORNER OF THE ROOM TO GAIN THE BEST FIELD OF VIEW FOR THAT CAMERA.
7. EACH ACCESS CONTROLLED DOOR IN THE PROJECT HAS A DOOR IDENTIFIER SYMBOL THAT ASSOCIATES THE DOOR TO A CORRESPONDING ROUGH-IN DETAIL IN THE DRAWINGS AND A SPECIFIC FUNCTIONALITY OF THE DOOR IN THE SECURITY SPECIFICATIONS.

BASIC MATERIALS

- CONDUIT TURNED UP
CONDUIT TURNED DOWN
CAPPED CONDUIT
CONDUIT STUBBED AND BUSHED INTO ACCESSIBLE CEILING CAVITY
CONDUIT CONTINUED
CONDUIT SLEEVES THROUGH WALL FITTING FIRE STOP/ SMOKE SYSTEM, REFER TO SPECIFICATION 2702628 FOR REQUIREMENTS
X= QTY OF SLEEVES
Y= SIZE OF CONDUITS SLEEVES PENETRATING WALL ABOVE CEILING SPACE.
Z= FS OR BS IF FS = FIRE STOP SYSTEM, BS = SMOKE SYSTEM
IF NO QUANTITY INDICATED USE AS MANY SLEEVES AS REQUIRED TO MATCH CROSS SECTIONAL AREA OF CABLE TRAY NEXT TO SLEEVE.
MAIN NON-CONTINUOUS CABLE SUPPORTS (HOOK) PATHWAYS, REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS
TUBULAR RUNWAY, HUNG ABOVE CEILING OR AS NOTED
CABLE TRAY (TYPE), HUNG ABOVE CEILING OR AS NOTED
SURFACE MOUNTED ENCLOSED TECHNOLOGY SYSTEMS. SEE SHEETS WITH DETAILS FOR ADDITIONAL INFORMATION
JUNCTION BOX WALL MOUNTED, SIZE PER NEC IF NOT INDICATED ON DRAWING, NEMA 1 FOR INTERIOR, NEMA 4X FOR EXTERIOR USE WITH HINGED COVER AND LOCKING COVER
JUNCTION BOX CEILING MOUNTED, SIZE PER NEC IF NOT INDICATED ON DRAWING, NEMA 1 FOR INTERIOR, NEMA 4X FOR EXTERIOR USE WITH HINGED COVER AND LOCKING COVER
TELECOMMUNICATIONS GROUND VAULT. SEE DETAILS AND SPECS FOR MORE INFORMATION
X= BOX TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT
TELECOMMUNICATIONS PULL BOX. SEE DETAILS AND SPECS FOR MORE INFORMATION
X= BOX TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT
TECHNOLOGY POLE. SEE SHEETS WITH DETAILS FOR ADDITIONAL INFORMATION

GENERAL

- NEW EQUIPMENT
EXISTING WORK AND/OR EQUIPMENT REFERENCE, SHOWN ON MULTIPLE DRAWINGS
DEVICE TO BE REMOVED (DEMO PLANS) UNDER/CONDUIT (NEW PLANS)
WIRE AND/OR CONDUIT RUN CONTINUED ON REFERENCED DETAIL
MATCH LINE REFERENCING CONTINUATION ON OTHER DRAWINGS
DETAIL AND/OR SECTION REFERENCE
CABLE ROUTING BOUNDARY
FUTURE WORK

DRAWING NOTES AND DESIGNATIONS

- DRAWING KEYED NOTES
CABLE ROUTING NOTES
DETAIL OR SECTION REFERENCE TAG

VOICE AND DATA SYSTEM

- TELECOMMUNICATION OUTLET
X= MOUNTING: (E= EXISTING, F= FLUSH, S= SURFACE, M= MODULAR FURNITURE ADAPTER, P= POLE, L= FLOOR, R= RACEWAY)
N= NUMBER OF DATA CABLES IN THE FACEPLATE
P= NUMBER OF COAX CABLES IN THE FACEPLATE
Z= NUMBER OF FIBER OPTIC STRANDS IN THE FACEPLATE
U= USER/ APPL. CABLES
H= INSTALLATION HEIGHT IN INCHES AT CENTER OF OUTLET, COORDINATE WITH ELECTRICAL. IF NOT SHOWN INSTALL AT TYPICAL RECEPTACLE HEIGHT.
H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, INSTALL AT 48" AFF AT CENTER OF OUTLET AND 12" FROM EDGE OF WALL.
W= WEATHERPROOF
EXAMPLE: F2 = TWO DATA JACKS IN A SINGLE FACEPLATE, FLUSH MOUNTED
OUTLET FOR MECHANICAL ELECTRICAL/ FIRE ALARM/ ELEVATOR/ STAR CONNECTION
N= AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
U= AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
H= IF NOT SHOWN, COORDINATE EXACT LOCATION WITH DEVICE
CEILING MOUNTED INFORMATION OUTLET, MOUNTED ON FINISHED CEILING
XN= AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
U= AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
H= AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
OUTLET FOR WIRELESS ACCESS POINT, WALL MOUNTED
XN= AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
U= AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF
OUTLET FOR WIRELESS ACCESS POINT, MOUNTED ON FINISHED CEILING
XN= AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
U= AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
FLOOR BOX FOR TECHNOLOGY SYSTEMS AND POWER OUTLETS, REFER TO POKE-THRU/ FLOORBOX SCHEDULE FOR MORE INFORMATION
F= FLOOR CONDITION: (C= CONCRETE TYPE, G= GRADE, R= RAISED FLOOR, W= WOOD)
Y= DENOTES # OF GANGS (1,2,3,...)
Z= DENOTES PLATE TYPE (A,B,C,...), A= NO AUDIO/VISUAL
LN= AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
U= AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
POKE-THRU FOR TECHNOLOGY SYSTEMS AND POWER OUTLETS, REFER TO POKE-THRU & FLOORBOX SCHEDULE FOR MORE INFORMATION
Y= DENOTES POKE-THRU SIZE (4"x4", 6"x6", 8"x8",...)
Z= DENOTES PLATE TYPE (A,B,C,...), A= NO AUDIO/VISUAL
LN= 180° CCTV CAMERA, WALL MOUNTED
U= AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
WALL MOUNTED FURNITURE FEED USED TO FEED CABLES TO MODULAR FURNITURE OR CABLES
FLOOR BOX USED TO FEED CABLES TO MODULAR FURNITURE, REFER TO DETAIL SHEET
X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT
POKE-THRU USED TO FEED CABLES TO MODULAR FURNITURE, REFER TO DETAIL SHEET
X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT
RECESSED IN WALL STORAGE BOX, INSTALLED BEHIND DISPLAY, COORDINATE BACKBOX PRIOR TO ROUGH-IN. REFER TO DETAIL A SCHEDULE FOR MORE INFORMATION
TS= IF NUMBER, DENOTES NUMBER OF GANGS, IF LETTER, DENOTES TYPE, REFER TO DETAIL
XN= AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
U= AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
H= MOUNTING HEIGHT IN INCHES AT CENTER OF DEVICE
POWER POLE FOR COMBINED USE - TECHNOLOGY SYSTEMS AND POWER.
X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT

AUDIO VISUAL EQUIPMENT

- CEILING MOUNTED SPEAKER
X= SPEAKER TYPE
Y= SPEAKER ZONE
Z= DENOTES SPEAKER # IN ZONE
W= DENOTES SPEAKER WATTAGE TAP
NO ZONE INDICATES LOCAL ZONE FOR AV SYSTEM IN ROOM
WALL MOUNTED SPEAKER
X= SPEAKER TYPE
Y= SPEAKER ZONE
Z= DENOTES SPEAKER # IN ZONE
W= DENOTES SPEAKER WATTAGE TAP
H= MOUNTING HEIGHT IN INCHES AT CENTER OF DEVICE
NO ZONE INDICATES LOCAL ZONE FOR AV SYSTEM IN ROOM
VOLUME CONTROL, WALL MOUNTED
H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF
FLIP TOP DEVICE MOUNTED ON TABLE
MICROPHONE, DESK MOUNTED
X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT
MICROPHONE, WALL MOUNTED
X= DENOTES TYPE OF OUTLET, IF NOT SHOWN, ONLY ONE TYPE
H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET
MICROPHONE, CEILING MOUNTED
X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT
TOUCH SCREEN FOR AUDIO/VIDEO CONTROL, DESK MOUNTED
X= DENOTES TYPE OF OUTLET, SEE RISER FOR MORE INFO, IF NOT SHOWN, ONLY ONE TYPE
TOUCH SCREEN FOR AUDIO/VIDEO CONTROL, WALL MOUNTED
X= DENOTES TYPE OF OUTLET, SEE RISER FOR MORE INFO, IF NOT SHOWN, ONLY ONE TYPE
H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF
CAMERA FOR AV SYSTEM, WALL MOUNTED
X= DENOTES TYPE OF OUTLET, SEE RISER FOR MORE INFO, IF NOT SHOWN, ONLY ONE TYPE
H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET
CAMERA FOR AV SYSTEM, CEILING MOUNTED
X= DENOTES TYPE OF OUTLET, SEE RISER FOR MORE INFO, IF NOT SHOWN, ONLY ONE TYPE
ASSISTED LISTENING TRANSMITTER, WALL MOUNTED
H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET
ROOM SCHEDULING PANEL, WALL MOUNTED, INCLUDES BACK BOX
X= DENOTES TYPE OF OUTLET, SEE RISER FOR MORE INFO, IF NOT SHOWN, ONLY ONE TYPE
H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF
OCCUPANCY SENSOR, CEILING MOUNTED
X= TYPE, C= CRESNET, E= ETHERNET
AUDIO VISUAL DISPLAY
TT= DISPLAY TYPE WITH MOUNT
XX= SCREEN SIZE
YY= HEIGHT TO CENTER OF SCREEN
INTERACTIVE WHITEBOARD
TT= DISPLAY TYPE WITH MOUNT
XX= SCREEN SIZE
YY= HEIGHT TO CENTER OF SCREEN
OVERHEAD PROJECTOR WITH MOUNT
X= TYPE
Y= LENS THROW RATIO
PULLDOWN PROJECTION SCREEN
X= DIAGONAL DIMENSION IN INCHES
MOTORIZED PROJECTION SCREEN
X= DIAGONAL DIMENSION IN INCHES
WALL SWITCH FOR MOTORIZED SCREEN
S= WALL SWITCH FOR MOTORIZED SCREEN
PODIUM FOR AV EQUIPMENT, REFER TO DETAIL SHEETS
X= DENOTES TYPE OF OUTLET, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT
AV PLATE OUTLET, REFER TO DETAIL SHEETS
X= DENOTES TYPE OF OUTLET, SEE DETAIL FOR MORE INFO, IF NOT SHOWN, ONLY ONE TYPE
H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 1'-6" AFF
SOUND BAR WITH CAMERA, WALL MOUNTED
H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 8'-0" AFF
AV BACKBOX, INSTALLED BEHIND CREDENZA RACK, COORDINATE BACKBOX PRIOR TO ROUGH-IN. REFER TO DETAIL A SCHEDULE FOR MORE INFORMATION
G= DENOTES # OF GANGS
XN=Z= AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
U= AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
H= MOUNTING HEIGHT IN INCHES AT CENTER OF DEVICE

ELECTRONIC SECURITY SYSTEM

- CARD READER, WALL MOUNTED
CARD READER WITH INTEGRATED KEYPAD, WALL MOUNTED
BIOMETRIC ACCESS CONTROL DEVICE, WALL MOUNTED
KEYPAD, WALL MOUNTED
WIRED IP LOCK, DOOR MOUNTED
WIRED IP LOCK, DOOR MOUNTED
WIRELESS MORTISE LOCK, DOOR MOUNTED
WIRELESS CYLINDRICAL LOCK, DOOR MOUNTED
INTRUSION ALARM KEYPAD
ELECTRIC MORTISE LOCK OR ELECTRIC TRIM
DELAYED EGRESS LATCH LOCK
DELAYED EGRESS MAG LOCK
ELECTRIC CYLINDRICAL LOCK
ELECTRIC LATCH RETRACTION LOCK
ELECTROMAGNETIC LOCK
ELECTRONIC DETENTION LOCK
ELECTRIC DOOR STRIKE
ELECTRIC DOOR OPERATOR (ACTUATOR ARM)
DOOR POSITION SWITCH
BALANCED MAGNETIC SWITCH
PIN MODULE FOR WIRELESS LOCKS, WALL MOUNTED
H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 7'-0" AFF
ALARM, BLUE LIGHT, WALL MOUNTED
H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 7'-0" AFF
X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT
ASSISTANCE STATION (BLUE LIGHT), TOWER STATION
X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT, REFER TO SPECIFICATION FOR TYPE
ASSISTANCE STATION (BLUE LIGHT), TOWER STATION
X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT, REFER TO SPECIFICATION FOR TYPE
INTERCOM SUBSTATION (DOOR STATION), WALL MOUNTED
X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT, REFER TO RISER FOR TYPE
H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF
INTERCOM MASTER STATION, DESK MOUNTED
X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT, REFER TO RISER FOR TYPE
INTERCOM MASTER STATION, WALL MOUNTED
X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT, REFER TO RISER FOR TYPE
H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF
CALL STATION (THROUGH PHONE LINE) FOR BUILDING ENTRY, WALL MOUNTED
H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF
DOOR TYPE IDENTIFIER
X= TYPE (A1, C3, B6), REFER TO SECURITY DOOR DETAILS
H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF
DOOR RELEASE BUTTON, WALL MOUNTED
X= A: ADA ACCESSIBLE - (PALM ACTUATOR), W: HAND WAVE, NO TYPE: REGULAR PUSH BUTTON
DOOR RELEASE BUTTON, DESK MOUNTED
REQUEST TO EXIT DEVICE (IR SENSOR), MOUNT CENTERED ABOVE DOOR FRAME
GLASS BREAK SENSOR, WALL MOUNTED
H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 7'-0" AFF
GLASS BREAK SENSOR, CEILING MOUNTED
GATE PEDESTAL
ELECTRIC GATE OPERATOR
DURESS PANIC BUTTON, WALL MOUNTED
H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF
DURESS PANIC BUTTON, MOUNTED UNDER DESK
MOTION DETECTOR, WALL MOUNTED, MOUNT 6" BELOW CEILING OR 8'-0" AFF MAX
MOTION DETECTOR, 360 DEGREE SENSOR, CEILING MOUNTED
INFANT ABDUCTION SYSTEM, WALL MOUNTED
H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 8'-0" AFF
INFANT ABDUCTION SYSTEM, CEILING MOUNTED ABOVE DOOR
LINE BETWEEN SECURITY DEVICES, INDICATES ASSOCIATED EQUIPMENT
CONTROLLED DOOR INTERLOCK GROUP, PROGRAMMED SO ONLY ONE DOOR CAN BE OPEN AT A TIME
ACCESS CONTROL, DOOR DIRECTION, A1/A2 - REPRESENTS ACCESS CONTROL PATH
FREE - NO ACCESS CONTROL
CR= CARD READER
BIOMETRIC - BIOMETRIC READER
CRKP= CARD READER AND KEYPAD
MONITORED - DOOR MONITORED

VIDEO SURVEILLANCE SYSTEMS

- PAN/TILT/ZOOM CCTV CAMERA, WALL MOUNTED
X= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION. C = CAMERA NUMBER
X=C X= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION. C = CAMERA NUMBER
PAN/TILT/ZOOM CCTV CAMERA, CEILING MOUNTED
X=C X= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION. C = CAMERA NUMBER
FIXED CCTV CAMERA, WALL MOUNTED
X=C X= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION. C = CAMERA NUMBER
FIXED CCTV CAMERA, CEILING MOUNTED
X=C X= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION. C = CAMERA NUMBER
180° CCTV CAMERA, WALL MOUNTED
X=C X= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION. C = CAMERA NUMBER
180° CCTV CAMERA, CEILING MOUNTED
X=C X= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION. C = CAMERA NUMBER
180° MULTI-IMAGER CCTV CAMERA, WALL MOUNTED
X=C X= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION. C = CAMERA NUMBER
180° MULTI-IMAGER CCTV CAMERA, CEILING MOUNTED
X=C X= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION. C = CAMERA NUMBER
360° CCTV CAMERA, WALL MOUNTED
X=C X= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION. C = CAMERA NUMBER
360° CCTV CAMERA, CEILING MOUNTED
X=C X= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION. C = CAMERA NUMBER
360° MULTI-IMAGER CCTV CAMERA, WALL MOUNTED
X=C X= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION. C = CAMERA NUMBER
360° MULTI-IMAGER CCTV CAMERA, CEILING MOUNTED
X=C X= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION. C = CAMERA NUMBER
CCTV FLAT PANEL DISPLAY WITH MOUNT
XX= SCREEN SIZE
YY= HEIGHT TO CENTER OF SCREEN
SECURITY SYSTEM WORKSTATION, DESK MOUNTED
X= TYPE

TECHNOLOGY DRAWING INDEX

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1008	TECHNOLOGY OVERALL PLAN, LEVEL 8
1009	TECHNOLOGY OVERALL PLAN, LEVEL 9
1010	TECHNOLOGY OVERALL PLAN, LEVEL 10
1011	TECHNOLOGY OVERALL PLAN, LEVEL 11
1012	TECHNOLOGY OVERALL PLAN, LEVEL 12
1013	TECHNOLOGY OVERALL PLAN, LEVEL 13
1014	TECHNOLOGY OVERALL PLAN, LEVEL 14
1015	TECHNOLOGY OVERALL PLAN, LEVEL 15
1016	TECHNOLOGY OVERALL PLAN, LEVEL 16
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Issue Date: 01/12/2024

Revisions

NUMBER DESCRIPTION DATE

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