GENERAL NOTES 1. REFER TO THE MOUNTING HEIGHT DIAGRAM FOR MOUNTING HEIGHTS UNO. 2. REFER TO DETAIL SHEETS FOR DEVICE SPECIFICATIONS AND INSTALLATION REQUIREMENTS. 3. ALL CONDUIT PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS, OR SHAFTS SHALL BE SEALED IN ACCORDANCE WITH SPECIFICATION SECTION 270524, DIVISION 7 SPECIFICATIONS. AS WELL AS ALL APPLICABLE CODES AND REGULATIONS. CONTRACTOR(S) SHALL COORDINATE LOCATIONS OF ALL CEILING MOUNTED DEVICES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS, ELEVATIONS, SECTIONS, DETAILS AND FINISHES. ANY MODIFICATION THAT WOULD EFFECT PERFORMANCE OF THE DEVICE OR RELATED SYSTEM WHICH CANNOT BE ADJUSTED TO AN ACCEPTABLE LEVEL SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. 5. VOICE AND/OR DATA CONNECTIONS TO MECHANICAL, ELECTRICAL, ELEVATOR OR OTHER EQUIPMENT PROVIDED BY OTHERS SHALL BE VERIFIED WITH THE VARIOUS MANUFACTURERS PRIOR TO INSTALLATION. THE INSTALLATION AS INDICATED ON THE DRAWINGS SHALL BE ADAPTED TO ACCOMMODATE SUCH MANUFACTURER REQUIRED OR SUGGESTED INSTALLATION PRACTICES AND METHODS. BUT SHALL BE DONE TO ALLOW ALL REQUIRED TESTING AND CERTIFICATION, AS WELL AS BEING COMPLETED IN COMPLIANCE WITH ALL CODES AND REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. 6. ALL RACKS, CABINETS, CABLE TRAY, CABLE RUNWAY OR OTHER NON-CURRENT CARRYING EQUIPMENT SHALL BE GROUNDED TO THE TELECOMMUNICATIONS GROUNDING BUSBAR SERVICING THIS AREA IN ACCORDANCE WITH SPECIFICATION SECTION 27 05 26. '. UTILIZATION OF THE PHRASE "PROVIDED BY" WITHIN THE CONTEXT OF THESE DOCUMENTS SHALL EXPLICITLY REPRESENT "FURNISHED AND INSTALLED BY". 8. THE CONTRACTOR(S) SHALL ASSUME RESPONSIBILITY FOR REMOVING EXISTING CEILING TILES AND REPLACE WITH EXISTING TILES AS REQUIRED FOR EXECUTION OF THEIR SCOPE OF WORK. THIS INCLUDES SPACES IN THE NEW WORK AS INDICATED ON THE DRAWINGS AND AREAS NOT SHOWN WHERE THE CONTRACTOR IS REQUIRED TO AFFECT EXISTING CONDITIONS WHILE EXECUTING THEIR SCOPE OF WORK. DAMAGED TILES SHALL BE REPLACED BY THE CONTRACTOR(S) AT NO COST TO THE OWNER OR THE OWNER'S REPRESENTATIVES. 9. THE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING NECESSARY FOR INSTALLATION OF NEW WORK WITHIN THEIR RESPECTIVE SCOPE. CUTTING OF A STRUCTURAL MEMBER IS PROHIBITED WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE ARCHITECT. ALL CUTTING AND PATCHING SHALL BE PERFORMED BY QUALIFIED 10. WHENEVER NOT OTHERWISE SPECIFIED, THE FINAL LOCATIONS FOR VISIBLE ITEMS IN PUBLIC AREAS SHALL BE VERTICALLY AND OR HORIZONTALLY ALIGNED WITH OTHER DEVICES IN THE FIELD OF VIEW OR AS DIRECTED BY THE ARCHITECT, WHENEVER POSSIBLE CONTRACTOR SHALL SIMILARLY COORDINATE WITH THE DEVICE LOCATIONS OF OTHER TRADES. ITEMS OF SPECIAL CONCERN INCLUDE ANY DEVICE WITH A FACEPLATE INCLUDING BUT NOT LIMITED TO RECEPTACLES, SWITCHES, AND TECHNOLOGY OUTLETS ETC. 11. ALL DEVICES IN INACCESSIBLE CEILINGS SHALL HAVE CONDUIT STUB IN NEAREST ACCESSIBLE CEILING IN THE DIRECTION OF THE APPROPRIATE CABLE ROUTE, UON. SLEEVE REQUIREMENT NOTE: . THE ELECTRICAL CONTRACTOR SHALL SUPPLY ALL NECCESSARY SLEEVES REQUIRED FOR ALL DEVICE LOCATIONS AND AS REQUIRED TO TRAVERSE THE BUILDING(S) WITH ANY/ALL HORIZONTAL AND BACKBONE CABLING. SLEEVES SHALL BE LOCATED SO AS TO PROVIDE A READY PATHWAY FROM EACH DEVICE AND/OR EQUIPMENT LOCATION TO THE PATHWAY DEFINED ON THESE DRAWINGS, FURTHERMORE ALL PATHWAYS SHALL BE CREATED BETWEEN THE CORRIDOR OR OTHER MAJOR PATHWAY AND THE DESTINATION TERMINATION POINT, E.G. PATCH PANEL IN RACK AT A RATE OF (1) 4" CONDUIT PER (50) CABLES, UON. PROVIDE PENETRATIONS DOWN MAJOR PATHWAYS THROUGH FIRE/SMOKE BARRIER AT A RATE OF (1)4" CONDUIT PER (50) CABLES. UON. ALL CONTRACTORS SHALL MAINTAIN ALL SMOKE BARRIER AND FIRE WALL RATINGS FOR ALL PENETRATIONS. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THESE SLEEVES WITH THE TECHNOLOGY CONTRACTOR PRIOR TO INSTALLATION. MINIMUM SLEEVE SHALL BE 2". PLENUM USAGE NOTE: 1. IT IS INCUMBENT ON THE BIDDER TO REVIEW THE MECHANICAL PLANS TO DETERMINE THE EXACT LOCATION OF PLENUM CABLE REQUIREMENTS AND PROVIDE THAT CABLE AS NECCESSARY, INCLUDING ANY CHANGES THAT WOULD BE MADE BY POTENTIAL ADDENDA OR BULLETINS OR OTHER DOCUMENT CHANGES. SCOPE CLARIFICATION NOTE: . THE ELECTRICAL CONTRACTOR SHALL PROVIDE, UNDER THE DIVISION 26 SCOPE OF WORK, ALL CONDUIT, JUNCTION BOXES, HANDHOLES, MANHOLES, BACKBOXES, RACEWAYS, PLASTER RINGS AND RELATED HARDWARE REQUIRED FOR ALL ROUGH IN, AND CONDUIT PATHWAYS INDICATED ON THE DIVISION 27 DRAWINGS. THE TECHNOLOGY CONTRACTOR SHALL PROVIDE, UNDER THE DIVISION 27/28 SCOPE OF WORK, BLANK FACEPLATES FOR ALL TECHNOLOGY ROUGH-INS INDICATED ON DIVISION 27 DRAWINGS AS BEING ROUGH-IN ONLY. FOR FUTURE USE. OR OTHERWISE LEFT UNUSED. THE ELECTRICAL CONTRACTOR SHALL PROVIDE, UNDER THE SCOPE OF THE DIVISION 26 SCOPE OF WORK, ALL PLYWOOD BACKBOARDS INDICATED ON THE DIVISION 27/28 DRAWINGS, INCLUDING. BUT NOT LIMITED TO. ALL PREPARATIONS. SUCH AS TWO COATS OF FIRE RETARDANT PAINT ON ALL SIDES, AND ALL OTHER REQUIREMENTS LISTED IN SPECIFICATION SECTION 270524.

H. THE ELECTRICAL CONTRACTOR SHALL PROVIDE, UNDER THE DIVISION 26 SCOPE OF WORK,

DOCUMENTS. THE TECHNOLOGY CONTRACTOR SHALL PROVIDE, UNDER THE DIVISION 27

5. THE ELECTRICAL CONTRACTOR SHALL PROVIDE, UNDER THE DIVISION 26 SCOPE OF WORK,

ALL CABLE TRAY AND CABLE RUNWAY INDICATED ON THE DIVISION 27/28 DOCUMENTS NOT

THE ELECTRICAL CONTRACTOR SHALL PROVIDE, UNDER THE DIVISION 26 SCOPE OF WORK,

ALL CONDUIT SLEEVES. CONDUIT SLEEVES SHALL BE AS INDICATED ON THE DRAWINGS,

COORDINATE THE EXACT SLEEVING REQUIREMENTS WITH THE TECHNOLOGY CONTRACTOR

THE ELECTRICAL CONTRACTOR SHALL PROVIDE, UNDER THE DIVISION 26 SCOPE OF WORK,

ALL BUSBARS, CABLING AND RELATED HARDWARE INDICATED ON THE DIVISION 27/28

DOCUMENTS, REQUIRED TO PROVIDE THE ENTIRE TECHNOLOGY GROUNDING SYSTEM.

8. THE TECHNOLOGY CONTRACTOR SHALL PROVIDE ALL BONDING JUMPERS REQUIRED TO

THE ELECTRICAL CONTRACTOR SHALL PROVIDE, UNDER THE DIVISION 26 SCOPE OF WORK,

ALL BONDING JUMPERS REQUIRED TO BOND THE CABLETRAY SYSTEM SO AS TO ASSURE

10. THE TECHNOLOGY CONTRACTOR SHALL PROVIDE, UNDER THE DIVISION 27 SCOPE OF WORK,

TECHNOLOGY CONTRACTOR SHALL PROVIDE ALL TEMPORARY TECHNOLOGY CABLING FOR

TECHNOLOGY CONTRACTOR SHALL ALSO REMOVE ALL TEMPORARY CABLING AT THE END OF

TEMPORARY FACILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION TRAILERS.

ALL OTHER CABLING, CONNECTORS, PATHWAY HARDWARE AND OTHER EQUIPMENT

REQUIRED TO COMPLETE THE INSTALLATION OF THE SYSTEMS AND CABLE PLANT AS

THAT THE ENTIRE CABLETRAY SYSTEM IS ELECTRICALLY CONTINUOUS AND BONDED TO THE

BOND ALL EQUIPMENT PROVIDED BY THE TECHNOLOGY CONTRACTOR.

THE PROJECT WHEN DIRECTED BY THE CONSTRUCTION MANAGER.

PRIOR TO INSTALLATION. MINIMUM SLEEVE SHALL BE 2", UON. SLEEVING SHALL BE LOCATED

AND/OR REQUIRED BY THE SPECIFICATIONS. THE ELECTRICAL CONTRACTOR SHALL

CONTAINED IN ROOMS INDICATED AS BEING TECHNOLOGY ROOMS, OR TR's.

SO AS TO BE WITH THE DIRECTION OF CABLE ROUTING.

27 AND/OR 28 DOCUMENTS.

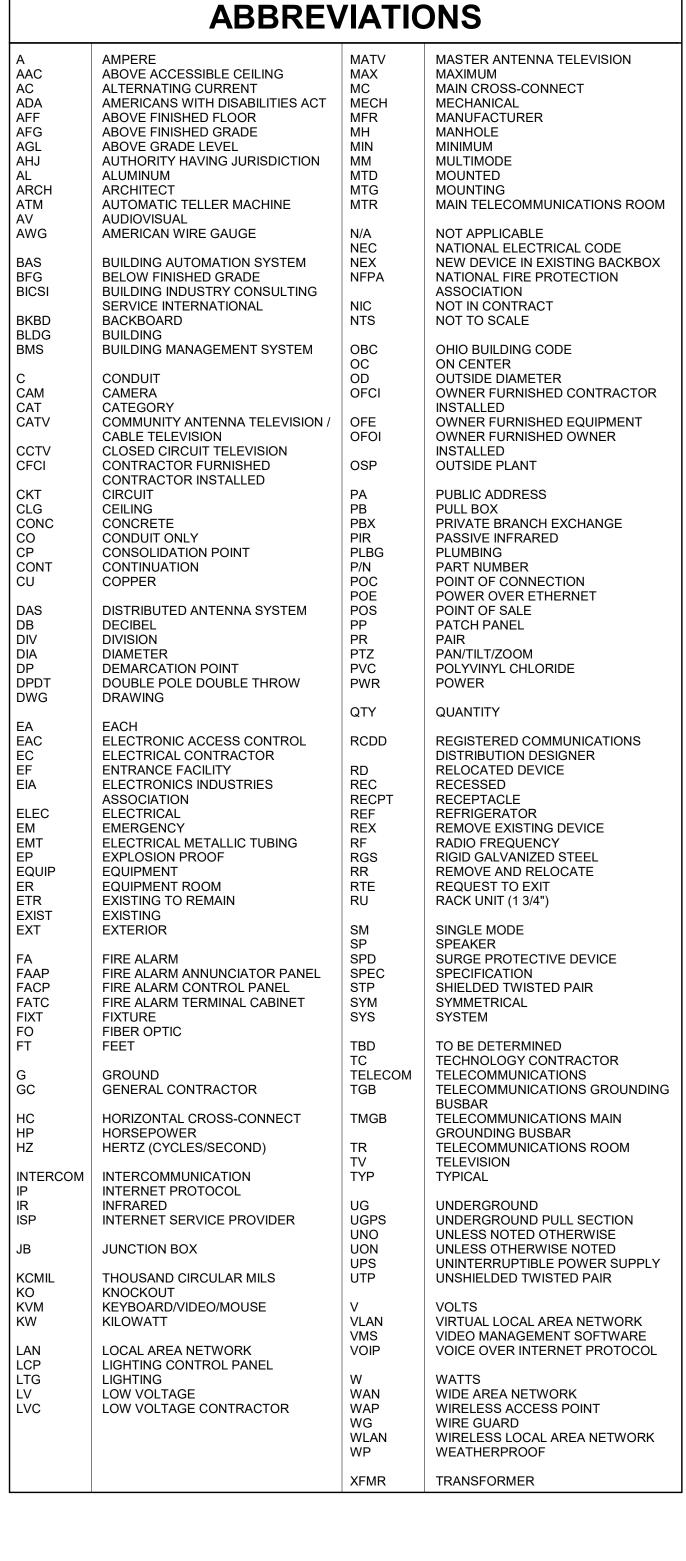
ELECTRICAL GROUNDING SYSTEM.

TEMPORARY CABLING NOTE:

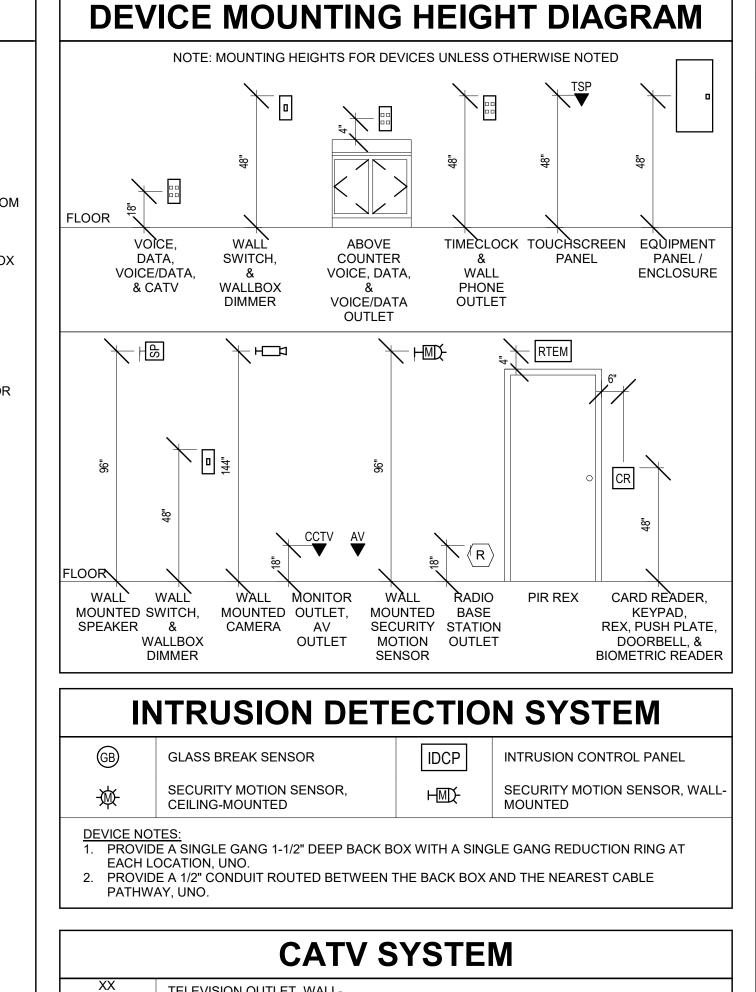
INDICATED ON THE DIVISION 27 DOCUMENTS.

SCOPE OF WORK, ALL UPS'S AND/OR POWER QUALITY DEVICES INDICATED ON THE DIVISION

ONLY THOSE UPS'S AND/OR OTHER POWER QUALITY DEVICES INDICATED ON THE DIVISION 26



4 6 7 8



XX ◀ TV	TELEVISION OUTLET, WALL- MOUNTED
TV	TELEVISION OUTLET, CEILING- MOUNTED
EVICE NO	
	E A 4-11/16" SQUARE BY 2-1/8" DEEP BACK BOX AT EACH LOCATION, UNO. E A 3/4" CONDUIT ROUTED BETWEEN BACK BOX AND NEAREST CABLE
. PROVID	E A 3/4 CONDUIT ROUTED DETWEEN DACK DOX AND NEAREST CADLE

INTERCOM SYSTEM

▼	
2. PROVID	TES: E A 4-11/16" SQUARE BY 2-1/8" DEEP BACK BOX AT EACH LOCATION, UNO. E A 1" CONDUIT ROUTED BETWEEN THE BACK BOX AND THE NEAREST PATHWAY, UNO.
ICP	INTERCOM CONTROL PANEL
IDS = IN	E TYPE ITERCOM MASTER STATION TERCOM DOOR STATION TERCOM DOOR VIDEO

XX INTERCOM STATION

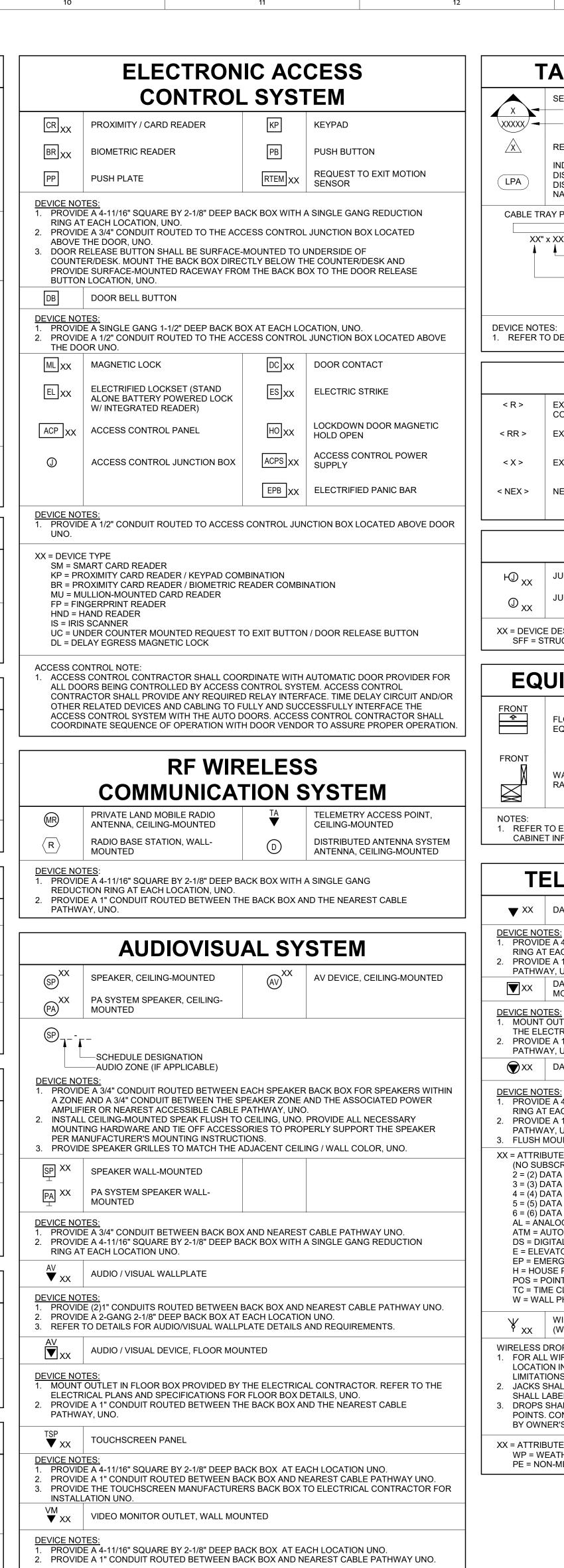
WP = WEATHER PROOF

CM = CORNER MOUNT

НДД	VIDEO SURVEILLANCE CAMERA,		VIDEO SURVEILLANCE CAMERA CEILING-MOUNTED
XX	WALL-MOUNTED	$\sim xx$	
H 111 1	VIDEO SURVEILLANCE CAMERA,		VIDEO SURVEILLANCE CAMERA PAN-TILT-ZOOM, CEILING-
XX	PAN-TILT-ZOOM, WALL-MOUNTED	■ _{XX}	MOUNTED
DEVICE NO 1. REFER	<u>)TES:</u> TO CAMERA SCHEDULE FOR DEVICE T	YPE AND MOU	NTING INFORMATION.
XX = DEVIC	E DESCRIPTION		
360 = 3	60 DEGREE CAMERA		
	80 DEGREEE CAMERA		
	PAN/TILT ZOOM CAMERA		
1100	HIGH DYNAMIC RANGE CAMERA		

Фхх	ANALOG SYSTEM CLOCK, WALL MOUNTED	1:23 XX	DIGITAL SYSTEM CLOCK, WALL MOUNTED
IQI XX	ANALOG SYSTEM CLOCK, DOUBLE SIDED, WALL MOUNTED	1:23 XX	DIGITAL SYSTEM CLOCK, DOUBLE SIDED, WALL MOUNTED

DISTRIBUTED ANTENNA SYSTEM (DAS)					
\bigcirc	CEILING MOUNTED ANTENNA	8	POWER SPLITTER		
\forall	WALL MOUNTED ANTENNA	(-)	COUPLER		
	DONOR ANTENNA		DAS HEADEND EQUIPMENT		
	ICA12-50JPL 0 PLENUM RATED COAX CABLE CXTA42A-3 COAX JUMPER CABLE	`	CABLE FLOOR TO FLOOR TRANSITION POINT		



VIDEO MONITOR OUTLET, CEILING MOUNTED

WP = WEATHERPROOF, OUTDOOR RATED ACCESS POINT

PE = NON-METALLIC PROTECTIVE ENCLOSURE

XX = DEVICE TYPE

AV COORDINATION NOTE:

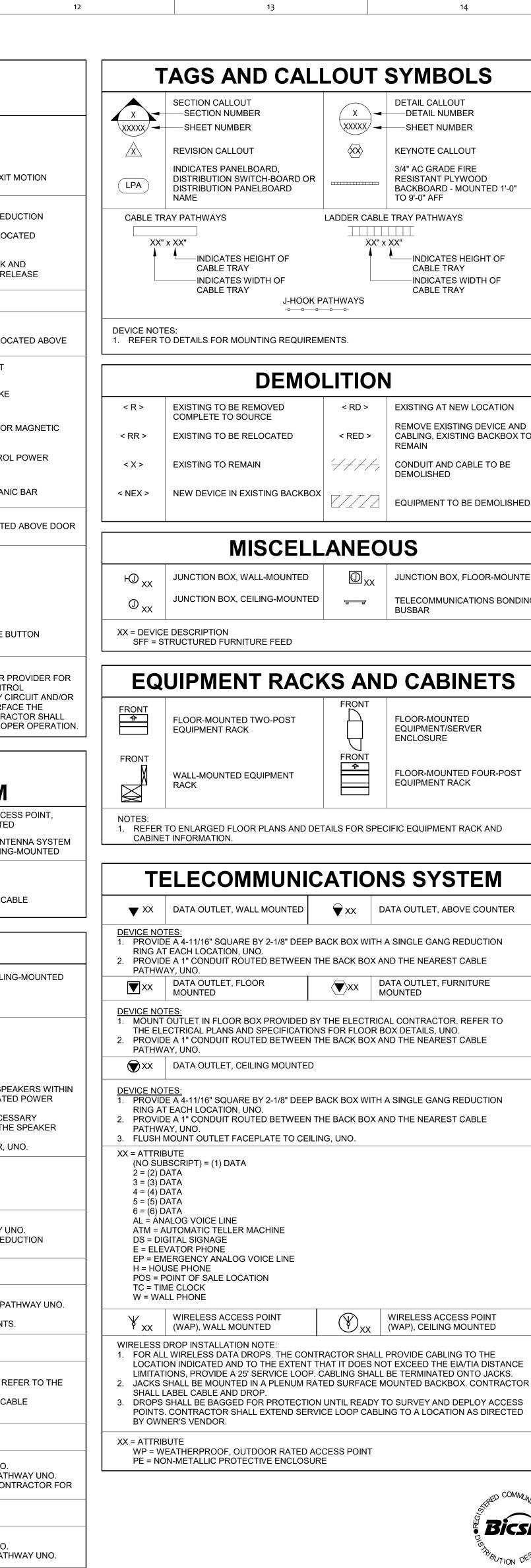
1. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL CONDUIT AND BACKBOX REQUIREMENTS

PROJECTOR, CEILING MOUNTED PROJECTOR, CEILING MOUNTED

ELECTRICAL CONTRACTOR SHALL COORDINATE ALL CONDUIT AND BACKBOX REQUIREMENTS

AND EXACT LOCATIONS WITH A/V CONTRACTOR PRIOR TO PROCUREMENT.

AND EXACT LOCATIONS WITH A/V CONTRACTOR PRIOR TO PROCUREMENT.





PROJECT NO

2203-1

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DETAIL CALLOUT

KEYNOTE CALLOUT

TO 9'-0" AFF

LADDER CABLE TRAY PATHWAYS

< RD >

< RED >

++++

3/4" AC GRADE FIRE

RESISTANT PLYWOOD

BACKBOARD - MOUNTED 1'-0"

INDICATES HEIGHT O

-INDICATES WIDTH OF

EXISTING AT NEW LOCATION

CONDUIT AND CABLE TO BE

DEMOLISHED

BUSBAR

FLOOR-MOUNTED

EQUIPMENT RACK

ENCLOSURE

DATA OUTLET, FURNITURE

MOUNTED

EQUIPMENT/SERVER

FLOOR-MOUNTED FOUR-POST

REMOVE EXISTING DEVICE AND

EQUIPMENT TO BE DEMOLISHED

JUNCTION BOX, FLOOR-MOUNTED

TELECOMMUNICATIONS BONDING

CABLING, EXISTING BACKBOX TO

CABLE TRAY

CABLE TRAY

✓ X \

DETAIL NUMBER

XXXXX/ → SHEET NUMBER



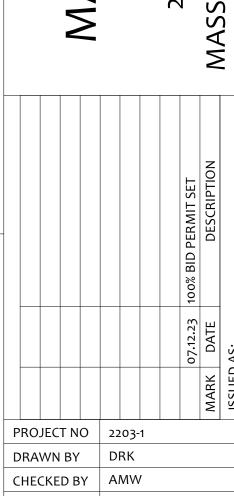
SJC M



WIRELESS ACCESS POINT

(WAP), CEILING MOUNTED

BICSI ID # 181837R



TECHNOLOGY SYMBOL LEGEND

07/12/23

SCALE: 12" = 1'-0" SHEET NO

AND NOTES