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TECHNOLOGY
SECTIONS 14 & 15

Job. No.
1593-02

Drawn By:
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Date:
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PROJECT B

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- SYMBOL LEGEND
- 1 CC 2
- NUM. OF UTP DROPS @
LOCATION REF. SPECS. FOR
FACE PLATE TYPE
DROP TYPE
- CC - INSTALL WALL BOX AT 18" AFF
STUB CONDUIT TO ABOVE CEILING LEVEL
HD - OUTLET INSTALLED HIGHER THAN 18" AFF.
REF. TECHNOLOGY DRAWINGS FOR INSTALLATION HEIGHTS.
AP - WIRELESS ACCESS POINT
REF. TECHNOLOGY DRAWINGS FOR INSTALLATION HEIGHTS
POS - POINT OF SALE LOCATION
DM - OUTLET INSTALLED IN THE FURNITURE
RW - OUTLET INSTALLED IN SURFACE RACEWAY
- FACE PLATE SIZE
1 - SINGLE GANG
2 - DOUBLE GANG

TECHNOLOGY OUTLET NOMENCLATURE

GENERAL NOTES:

- ANY DIMENSIONS SHOWN ON THESE DRAWINGS ARE INTENDED TO PROVIDE AN IDEA OF THE LOCATION REQUESTED BY THE CLIENT. THE ELECTRICIAN WILL BE RESPONSIBLE FOR CONFIRMING ALL DIMENSIONS PRIOR TO ROUGH IN AND REPORTING ANY CONFLICTS TO THE GENERAL CONTRACTOR.
- ALL CABLE BUNDLES WILL BE SUPPORTED EVERY 48-60" O.C. WITH A J-HOOK OR OTHER APPROVED PATHWAY DEVICE. PLASTIC TIE WRAPS ARE NOT PERMITTED AT ANY TIME ON THIS INSTALLATION. ALL CABLE ROUGH IN AND DRESS OUT WILL BE WITH VELCRO ONLY.
- PUBLIC ADDRESS CONTRACTOR WILL PULL NEW SPEAKER WIRE TO THE EXISTING SPEAKER LOCATIONS. ALL SPEAKERS WILL BE PULLED BACK TO THE IDF. ROOM 14-36, TERMINATED ON A WALL MOUNTED BLOCK AND EXTENDED TO THE NEW PA CABINET IN THE MDF IN THE HIGH SCHOOL.
- CONTRACTOR WILL NOT USE PLASTIC TIE WRAPS ON ANY VOICE OR DATA CABLE BUNDLE AT ANY TIME FOR ANY REASON. CABLE BUNDLES WITH PLASTIC TIE WRAPS ON THEM WILL BE REPLACED AT THE CONTRACTOR'S COST.
- DO NOT INSTALL ANY LOW VOLTAGE CABLES IN ANY CONDUIT SLEEVE OR STUB UP WITHOUT A PROTECTIVE BUSHING. CABLES PULLED INTO UNPROTECTED CONDUITS WILL BE REPLACED AT THE CONTRACTOR'S COST. DO NOT INSTALL ANY CABLING INTO ANY CONDUIT THAT HAS NOT BEEN CONFIRMED TO BE BLOWN CLEAR. COORDINATE WITH THE ELECTRICAL PRIOR TO ROUGH IN.
- 2AV OUTLET FOR TEACHER STATION WILL BE A DOUBLE GANG BACK BOX WITH SURFACE RACEWAY FOR AV SIGNAL AND SOUND CABLING. REF. T3.0 FOR FACE PLATE DETAILS AND CONNECTOR TYPES. RACEWAY, FACE PLATE, SIGNAL AND SOUND CABLES ARE THE RESPONSIBILITY OF THE DIV. 27000 CONTRACTOR. INSTALL SIGNAL CABLES FROM TEACHER STATION TO THE PROJECTOR LOCATION.
- 1AV OUTLET FOR CEILING MOUNTED PROJECTOR. DIV 27000 CONTRACTOR WILL INSTALL THE SIGNAL CABLING FROM THE FLOATING PROJECTOR MOUNT TO THE TEACHER 2AV OUTLET. REF. T3.0 FOR FACE PLATE DETAILS AND CONNECTOR TYPES. PROJECTOR MOUNT WILL BE INSTALLED UNDER THE DIV. 11136 CONTRACT AND INSTALLED AT 10' O.C. OF THE PROJECTION SCREEN.
- THE 1CC4 OR 1RW4 SHOWN WITH THE 2AV IS THE INSTRUCTOR'S OUTLETS FOR EACH CLASSROOM. SEE T3.0 FOR FACE PLATE AND BACK BOX DETAILS. THE 1CC4 WILL BE INSTALLED NEXT TO THE 2AV OUTLET AS SHOWN ON T3.0. 1" CONDUIT WITH PROTECTIVE BUSHING AND SINGLE GANG BACK BOX WILL BE INSTALLED AND PROVIDED BY THE ELECTRICAL CONTRACTOR. SEE NOTE 6 FOR ALL 2AV INFORMATION. THIS CONFIGURATION IS REPEATED IN MOST OF THE CLASSROOMS UNLESS NOTED OR SHOWN OTHERWISE. THE FACE PLATE WILL CONSIST OF (2) DATA, (1) VOIP AND (1) SAFARI CONNECTION. REF. T3.0 FOR ALL FACE PLATE DETAILS AND INSERT POSITIONS.
- ALL RW AND HD OUTLETS IN COMPUTER LABS WILL BE INSTALLED 6" ABOVE THE WORK SURFACE OR SPLASH. REF. ARCHITECTURAL ELEVATION DETAILS PRIOR TO OUTLET ROUGH IN. ALL WORKSTATION CABLES IN THE LAB WORK AREAS ARE ALL DATA UNLESS NOTED OTHERWISE.
- ALL SURFACE RACEWAY OUTLETS WILL BE PROVIDED AND INSTALLED BY THE DIV. 27000 CONTRACTOR REF. SPECS FOR RACEWAY TYPE. SECURE ALL RACEWAY WITH THE ADHESIVE BACKING AND SCREWS TO THE WALL. SURFACE MOUNTED BACK BOX, FACE PLATE, INSERTS PROVIDED AND INSTALLED BY THE DIV. 27000 CONTRACTOR.
- ELECTRICAL TO PROVIDE (2) 4" CONDUITS BETWEEN THE TECHNOLOGY BUILDING AND THE BAND BUILDING. CONDUITS WILL BE USED FOR ALL STATION CABLES AND PA SYSTEM. CONDUITS WILL BE PROTECTED WITH BUSHING AND INSTALLED 12" ABOVE CEILING GRID LINE.
- ALL DROPS IN THIS SECTION ORIGINATE IN THE IDF ROOM 14-36. REPLACE EXISTING WALL MOUNT WITH LARGER CABINET AS PER DIV. 27000 SPECS.
- EXTERIOR SECURITY CAMERA LOCATION. DIV. 27000 WILL PULL ONE DATA CABLE TO EACH CAMERA, TERMINATE THE CABLE ON THE PROPERLY COLORED INSERT, LABEL AND PROVIDE FACE PLATE AND TEST OUT THE DROP AS PER THE DIV. 27000 SPECS. PROVIDE ONE 10' PATCH CORD AT THE OUTLET LOCATION. DROP WILL BE TERMINATED ABOVE CEILING ON THE INSIDE OF THE BUILDING 2' ABOVE THE GRID LINE. NO POWER REQUIRED FOR ANY EXTERIOR CAMERA LOCATION MOUNTED TO A BUILDING. ELECTRICAL TO PROVIDE A SINGLE GANG BACK BOX WITH A SHORT 8-10" STUB OUT OF 1" CONDUIT WITH A PLASTIC BUSHING. THIS BACK BOX WILL BE INSTALLED FLUSH TO THE WALL ON THE INSIDE OF THE BUILDING. ELECTRICAL WILL ALSO PROVIDE A 3" CONDUIT SLEEVE NEXT TO THE BACK BOX LOCATION, RUN THE SLEEVE THRU THE WALL AND INTO A SINGLE GANG BACK BOX ALSO INSTALLED FLUSH ON THE OUTSIDE OF THE WALL. PROVIDE A COVER PLATE FOR EACH OF THESE LOCATIONS.

PRIOR TO FINAL INSTALLATION OF THE CAMERAS THE SECURITY CONTRACTOR WILL MEET WITH THE DISTRICT TO DETERMINE WHICH CAMERAS ARE INSTALLED. REF THE SECURITY SPECS FOR THE CURRENT NUMBER OF CAMERAS GISD IS WANTING TO INSTALL AT THIS TIME. ONCE THE CAMERA LOCATION HAS BEEN APPROVED THE SURVEILLANCE CONTRACTOR WILL CONNECT THE CAMERA USING THE PATCH CORD PROVIDED BY THE DIV. 27000 CONTRACTOR. SECURITY CONTRACTOR WILL PROVIDE ALL NECESSARY SIGNAL AND POWER FOR THESE CAMERA LOCATIONS. HEATERS AND BLOWERS ARE REQUIRED FOR ALL EXTERIOR CAMERAS. REF. SPECS FOR DOME AND MOUNT TYPE. SECURE MOUNT TO EXTERIOR WALL WITH MASONRY ANCHORS - DO NOT USE PLASTIC ANCHORS FOR ANY CAMERA MOUNT LOCATION.

14. INTERIOR SECURITY CAMERA. DIV. 27000 WILL PULL ONE DATA CABLE TO EACH, TERMINATE THE CABLE ON THE PROPERLY COLORED INSERT, LABEL AND TEST DROP AS PER THE DIV. 27000 SPECS. PROVIDE ONE 10' PATCH CORD AT THE OUTLET LOCATION FOR THE SECURITY CAMERA INSTALLER TO USE. DROP WILL BE TERMINATED ABOVE CEILING. NO POWER REQUIRED FOR ANY INTERIOR CAMERA LOCATION. ELECTRICAL TO PROVIDE A SINGLE GANG BACK BOX WITH A SHORT 8-10" STUB OUT OF 1" CONDUIT WITH A PLASTIC BUSHING - SECURE THE BACK BOX AND CONDUIT WITH ALL THREAD OR DEDICATED GRID WIRE - DO NOT USE THE EXISTING CEILING GRID OR GRID WIRE TO SUPPORT THESE OUTLET LOCATIONS.

THE SECURITY CONTRACTOR WILL MEET WITH THE DISTRICT TO DETERMINE WHICH CAMERAS ARE INSTALLED. REF THE SECURITY SPECS FOR THE CURRENT NUMBER OF CAMERAS GISD IS WANTING TO INSTALL. ONCE THE LOCATIONS HAVE BEEN APPROVED THE SURVEILLANCE CONTRACTOR WILL CONNECT THE CAMERA USING THE PATCH CORD PROVIDED BY THE DIV. 27000 CONTRACTOR. REF. SPECS FOR DOME AND MOUNT TYPE. DO NOT ALLOW THE CAMERA TO REST ON THE TILE ALONE - THE CAMERA MUST BE SUPPORTED BY THE GRID OR OTHER DEDICATED SUPPORT MECHANISM.

15. PROXIMITY CARD READER FOR ACCESS CONTROL SYSTEM. READER AS PER SPECS. READER WILL BE INSTALLED ON THE MULLION DIRECTLY. REF. DIV. 28 SPECS FOR READER TYPE. ELECTRICAL TO PROVIDE A 1" CONDUIT INTO EACH DOOR FRAME FOR ACCESS CONTROL CONTRACTOR TO USE. SECURITY CONTRACTOR WILL WIRE EACH PROXIMITY READER TO NEAREST ACCESS CONTROL PANEL LOCATED IN IDF 14-36.

16. DOOR POSITION SWITCH FOR ACCESS CONTROL SYSTEM - SWITCH PROVIDED AND INSTALLED BY THE ACCESS CONTROL CONTRACTOR. REF. ACCESS CONTROL SPECS FOR SWITCH TYPE. ALL POSITION SWITCHES WILL BE MOUNTED FLUSH IN THE FRAME UNLESS NOTED OTHERWISE. RUN ALL CONTACT WIRES BACK TO NEAREST ACCESS CONTROL PANEL. ELECTRICAL WILL PROVIDE A 1" CONDUIT WITH BUSHING FROM THE CEILING SPACE INTO THE DOOR FRAME FOR WIRING TO THE DOOR HARDWARE AND POSITION SWITCHES.

17. WIRELESS ACCESS POINT LOCATION. ELECTRICAL TO PROVIDE AND INSTALL A SINGLE GANG BACK BOX WITH 1" CONDUIT STUB UP INSTALL BACK BOX 12" ABOVE CEILING GRID LINE. NO ELECTRICAL POWER IS REQUIRED.

18. WIRELESS ACCESS POINT LOCATION FOR EXTERIOR ACCESS POINT INSTALLATION. INSTALL THIS OUTLET ABOVE THE CEILING GRID LINE LIKE THE OTHER ACCESS POINT LOCATIONS. ELECTRICAL WILL PROVIDE AN ADDITIONAL SINGLE GANG BACK BOX ON THE EXTERIOR OF THE BUILDING WITH A 1" SLEEVE AND COVER PLATE.

19. DATA ONLY.

20. (1) DATA AND (1) VOIP OUTLET

▲ 1XX#	VOICE AND DATA OUTLET. INSTALL AT 18" UNLESS NOTED OTHERWISE. SEE OUTLET LEGEND AND NOTE FOR QUANTITY DETAILS
▲ 2AV	AUDIO VIDEO OUTLET. WALL LOCATIONS ARE INSTALLED AT 18" CEILING LOCATIONS 10' O.C. OF PROJECTION SCREEN SEE NOTES AND SHEET T3.0 FOR FURTHER DETAILS
⌚	SINGLE OR DOUBLE SIDED CLOCK LOCATION.
CCV	SECURITY CAMERA LOCATION. REF. NOTES FOR CAMERA TYPE.
CR	PROXIMITY CARD READER LOCATION. REF. NOTES FOR READER TYPE.
DS	DOOR POSITION SWITCH FOR ACCESS CONTROL MONITORING SYSTEM.
LM	LOCAL SOUND MICROPHONE LOCATION.
⊙	LAY-IN SPEAKER FOR ROOM PROJECTION SOUND, OR CAFETERIA LOCAL SOUND REF. RCP DRAWINGS FOR ALL CEILING SPEAKER LOCATIONS.
⊙	LAY-IN SPEAKER FOR PUBLIC ADDRESS SPEAKERS. REF. RCP DRAWINGS FOR ALL CEILING SPEAKER LOCATIONS.
S2	PUBLIC ADDRESS HORNS FOR GYM
S3	EXTERIOR SPEAKER FOR PUBLIC ADDRESS SYSTEM. REF. TECHNOLOGY DRAWINGS FOR SPEAKER LOCATIONS.

TECHNOLOGY SYMBOL LEGEND



TECHNOLOGY FLOOR PLAN - SECTIONS 14 & 15

1/8" = 1'-0"