ONSTED PUBLIC SCHOOLS ONSTED, MI

TELEPHONE & AV SYSTEM UPGRADE



ONSTED HIGH SCHOOL: 10109 SLEE RD. ONSTED, MI 49265 PH: 517-467-2171



ONSTED MIDDLE SCHOOL: 10109 SLEE RD. ONSTED, MI 49265 PH: 517-467-2168



ONSTED ELEMENTARY SCHOOL: 10109 SLEE RD. ONSTED, MI 49265 PH: 517-467-7046

RAWING LIST:

TELEPHONE & AV SCHEDULES & DETAILS

AV EQUIPMENT DETAILS TELEPHONE SYSTEM DETAILS

TC401A ONSTED ELEMENTARY FIRST FLOOR PLAN ZONE A
TC401B ONSTED ELEMENTARY FIRST FLOOR PLAN ZONE B
TC401C ONSTED ELEMENTARY FIRST FLOOR PLAN ZONE C

TC401D ONSTED ELEMENTARY FIRST FLOOR PLAN ZONE D
TC401E&F ONSTED ELEMENTARY SECOND & THIRD FLOOR PLAN ZONE E&F
TC411A ONSTED MIDDLE SCHOOL FLOOR PLAN ZONE A

C411A ONSTED MIDDLE SCHOOL FLOOR PLAN ZONE A
C411B ONSTED MIDDLE SCHOOL FLOOR PLAN ZONE B
C411C ONSTED MIDDLE SCHOOL FLOOR PLAN ZONE C
C411D ONSTED BUS GARAGE & BOARD OFFICE FLOOR PLAN

ONSTED HIGH SCHOOL FLOOR PLAN ZONE B

111C ONSTED MIDDLE SCHOOL FLOOR PLAN ZONE C 111D ONSTED BUS GARAGE & BOARD OFFICE FLOOR PLAN 121A ONSTED HIGH SCHOOL FLOOR PLAN ZONE E 121B ONSTED HIGH SCHOOL FLOOR PLAN ZONE A CommtechDesign.com

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Project 1123_02

Sheet COVER

	ABBREVIATIONS				
ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION		
2G	TWO-GANG BOX - PROVIDED BY EC	NIC	NOT IN CONTRACT		
AC	ABOVE COUNTER — INSTALL BACKBOX SAME HEIGHT AS OTHER ELECTRICAL OUTLETS ABOVE THE COUNTER.	PBO	PROVIDED BY OTHERS		
AFF	ABOVE FINISHED FLOOR	PCO-1	PATCH CORD ORGANIZER - 1 UNIT HIGH		
AFG	ABOVE FINISHED GROUND	PCO-2	PATCH CORD ORGANIZER - 2 UNITS HIGH		
AWG	AMERICAN WIRE GAUGE	PET	PROTECTED ENTRANCE TERMINAL		
EMT	EMT TYPE CONDUIT	QTY	QUANTITY		
EC	ELECTRICAL CONTRACTOR				

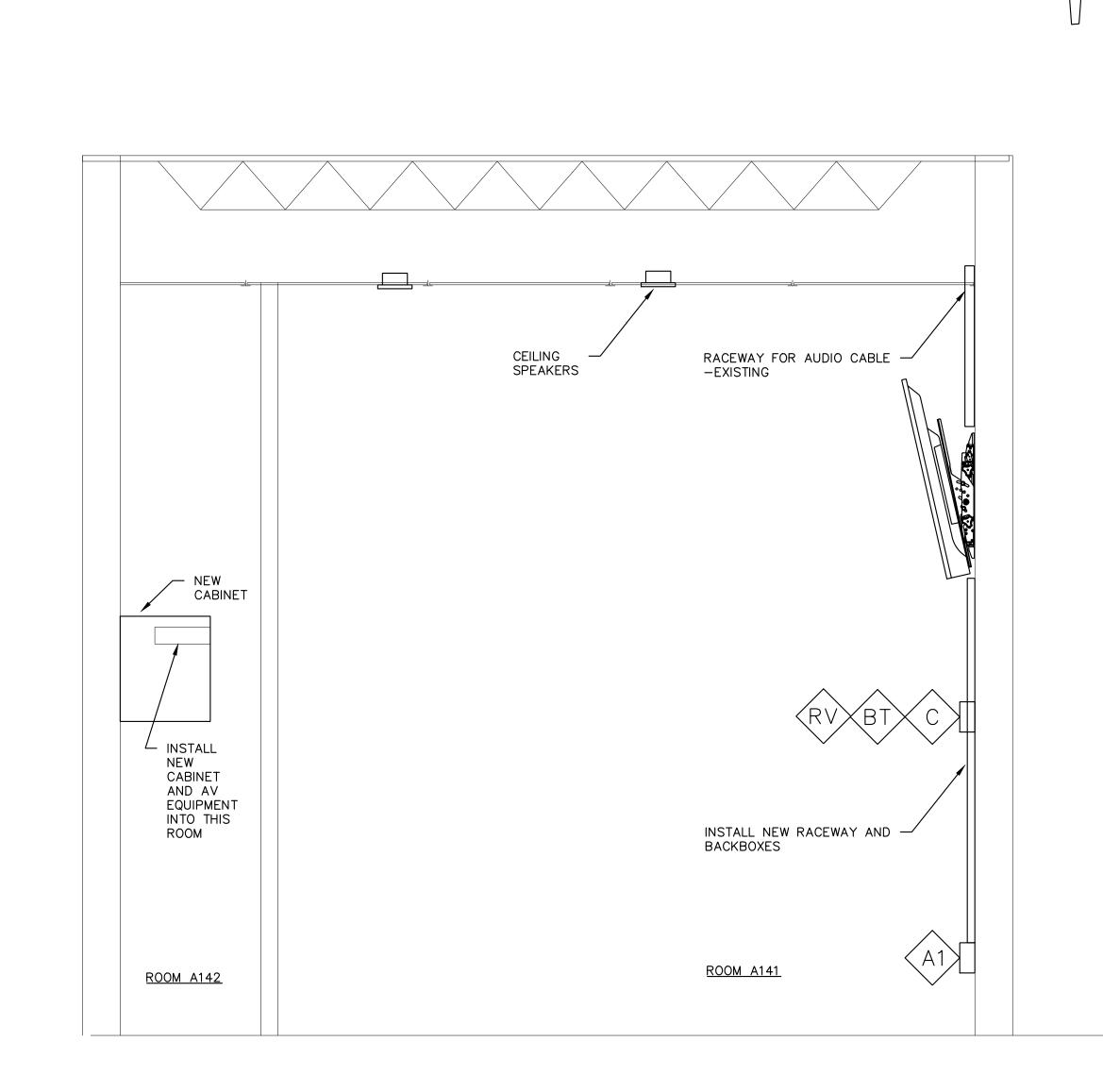
EC	ELECTRICAL CONTRACTOR				
	AUDIO VIDEO SYMBOL LEGEND				
SYMBOL	С	DESCRIPTION			
1	THIS SYMBOL WITH A NUMBER INSIDE INSIDE INSIDE INSIDE INFORMATION	REFERS TO I	KEYNOTES. REFER TO NOTES ON THE		
А	EQUIPMENT SCHEDULE. THIS SYMBOL W SEE DETAILS AND EQUIPMENT SCHEDUL		S INSIDE REFERS EQUIPMENT SCHEDULES, 01, TC301, TC501 AND TC701.		
1	CABLE SCHEDULE. THIS SYMBOL WITH SEE DETAILS AND EQUIPMENT SCHEDUL				
	AUDIO/VIDEO COMMUNICATIONS OUTLET FOR REQUIREMENTS. ZZ REFERS TO HE				
SEE TC3XX/X	AV SYSTEM DETAIL. REFER TO THIS SHEET AND DETAIL NUMBER FOR THE REQUIREMENTS OF THE AUDIO/VIDEO SYSTEM IN THIS ROOM				
S ^{zz} X	SPEAKERS. SEE SPEAKER SCHEDULE O REFERS TO SPEAKER ZONE IF THIS IS				
	VIDEO PROJECTOR CEILING MOUNTED LO SPECIFICS	OCATION. SE	E AV SYSTEM DETAIL AND SPECS FOR		
SCREEN XXX	PROJECTION SCREEN. XXX DENOTES THAT ASPECT RATIO. SEE AV SYSTEM DETAIL		MEASUREMENT OF THE SCREEN. 16;10 S FOR SPECIFICS		
LCD.XX"	LCD DISPLAY. WHERE XX IS THE DIAGO SYSTEM DETAIL AND SPECS FOR SPECI		REMENT. INCLUDE A MOUNT. SEE AV		
	SURFACE RACEWAY SYMBOL. CONTRAC DETAILS FOR TYPE OF SURFACE RACEV				
⊗ ZZ	DATA COMMUNICATIONS OUTLET CONNE SHEETS FOR SPECIFIC REQUIREMENTS. OTHER WISE NOTED.				
\mathbf{T}_{X}	TELEPHONE. SEE TELEPHONE SCHEDULE	FOR SPEC	FIC TYPES		

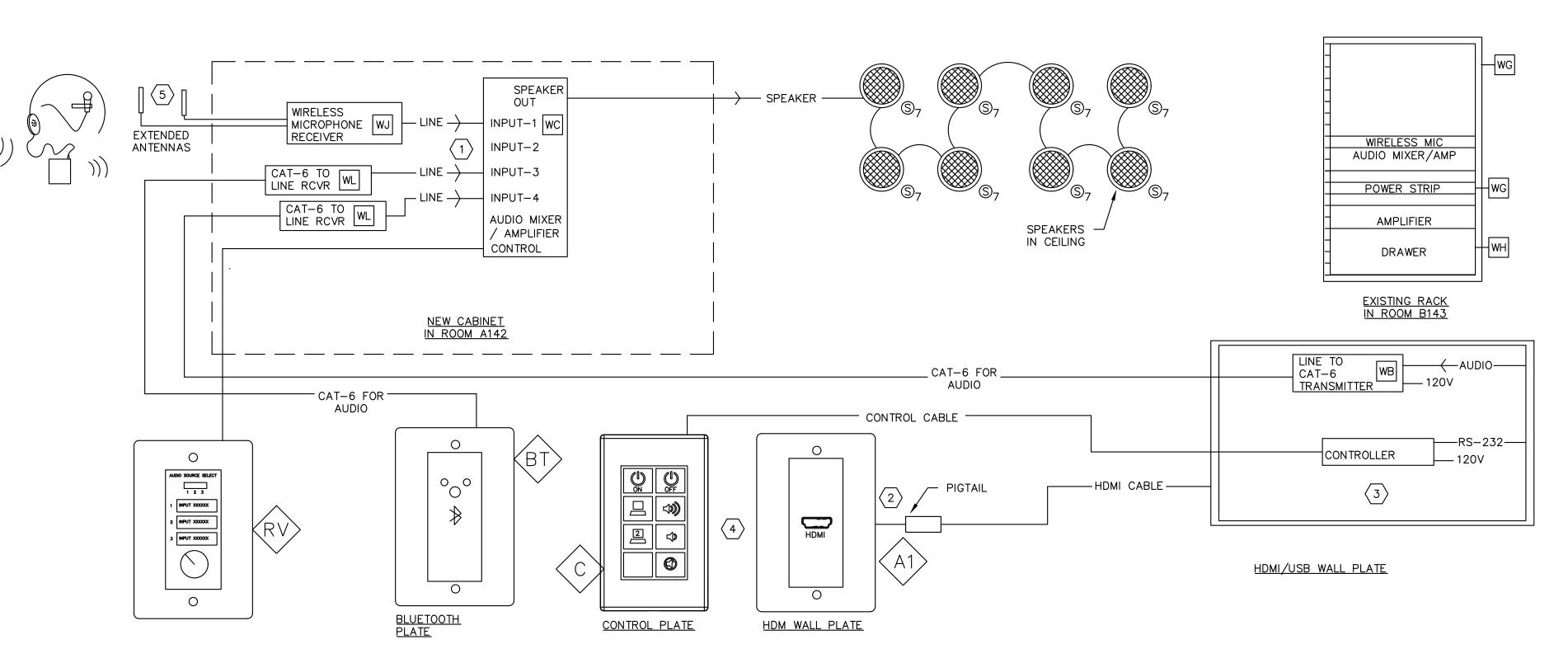
	TELEPHONE EQUIPMENT SCHEDULE				
MARK	ARK SYMBOL DESCRIPTION MANUFACTURER PART NO.				
PA	A A	TELEPHONE-STANDARD ADMIN PHONE. TYPE A.	CISCO	8851 WITH SIDECAR 8800	
РВ	\mathbf{T}_{C}	TELEPHONE-CLASSROOM TYPE C.	CISCO	8811	
PC	T FAX	TELEPHONE-FAX/PRINTER MACHINE. TYPE FAX. PROVIDE ANALOG POTS LINE FROM TELEPHONE SWITCH FOR FAX MACHINE.	FAX MACHINE IS EXISTING		
PD		ETHERNET SWITCH. EQUIPMENT REQUIRED TO CONNECT ALL TELEPHONES, PROVIDE VOICE MAIL AND CONNECT TO THE INCOMING LINES AT EACH BUILDING.	CISCO	EXISTING	
PE		TELEPHONE SYSTEM APPLIANCE.	SEE SPECS	SEE SPECS	

	SPEAKER SCHEDULE				
MARK	DESCRIPTION	MANUFACTURER	PART		
\$ ₇	IN-CEILING SPEAKER, 6.5". INSTALL IN DROP CEILING OR DRYWALL CEILING.	ELECTROVOICE	C6.:		
	AUDIO EQUIPMENT SCHE	DULE			

	AUDIO EQUIPMENT SCHEDULE			
MARK DESCRIPTION MANUFACTURER		PART NO.		
WA	PLASTIC MESH CABLE PROTECTOR AND WRAP. SAMSUNG #HT4044 CABLE FLEXWRAP	TECH FLEX	F6NXX	
WB	LINE LEVEL TO CAT-6 TRANSMITTER	RDL LABS	TX-TPS1A	
wc	COMBINATION AUDIO MIXER AND AMPLIFIER, 6—INPUT. EQUIP WITH REMOTE VOLUME CONTROL. SIZE TO SUPPORT ALL SPEAKERS	ATLAS IED	AA400PHD W/WPD-RISRL	
WD	RACK MOUNT AUDIO AMPLIFIER	ATLAS IED	PA60G	
WE	WALL MOUNT CABINET, 24"X24"X36" WITH CENTER SWING-OUT. SEE SPECS	HOFFMAN	EWMWG242425	
WF	DRAWER FOR STORING MISCELLANEOUS AUDIO & VIDEO MATERIAL. 3 RU W/LOCK	LOWELL	UDEL-314	
WG	POWER STRIP	SURGEX	SX1120RT	
WH	4 RACK UNIT DRAWER. RACK MOUNTED	LOWELL	CONTRACTOR	
WJ WIRELESS MICROPHONE WITH (HANDHELD) (LAVALIER) (HEADWORN) MIC AUDIX HANDHELD MIC BODYPACK # LAVALIER MIC		R42 RECEIVER HANDHELD MIC #H60 BODYPACK #B60 LAVALIER MIC #L5 HEADWORN MIC #HT2		
WK	CD PLAYER WITH BLUETOOTH CONNECTIVITY	TASCAM	CD-200BT	
WL	LINE LEVEL TO CAT-6 RECEIVER	RDL LABS	TX-TPR1A WITH PS-24AS	

	PROJECTOR/SCREEN EQUIPMENT SCHEDULE			
MARK	RK DESCRIPTION MANUFACTURER PART NO.		PART NO.	
PA	LARGE ROOM VIDEO PROJECTOR SHALL BE A MINIMUM OF 7000 ANSI LUMENS. LASER LIGHT SOURCE. 1920X1200 NATIVE RESOLUTION. INSTALL TO THE CEILING OR AS NOTED. PROVIDE WITH CUSTOM MOUNT AND CUSTOM LENS. VERIFY ACTUAL IN FIELD.	EPSON	L770U	
РВ	PROJECTOR MOUNT, OPEN CEILING. PROVIDE CUSTOM DOWNPIPE & PROJECTOR PLATE, MOUNT TO BUILDING STRUCTURE.	CHIEF	CMA SERIES AND RPMAU	
PC	ELECTRIC SCREEN —WALL MOUNTED. EQUIP WITH UP/DOWN BUTTON AND LOW VOLTAGE CONTROLLER. 16:10 RATIO. SIZE IS 87"—H x139"—W x164"—DIAGONAL	DA-LITE	CONTOUR ELECTROL	
PD	DVD PLAYER	DENON	DN-500BD	
PE	VIDEO SWITCHER WITH HDBASE-T	KRAMER	VP-778	
PF	HDBASE-T RECEIVER	KRAMER	TP-789R	





MANUFACTURER 1 SINGLE GANG STAINLESS STEEL STYLE LINE PLATE

1 HDMI FEMALE WITH PIGTAIL COVID D1114P-CA <u>PARTS</u> QTY DESCRIPTION MANUFACTURER PART #

CONTROL PLATE CRESTRON RS-232 CABLE-PLENUM CONTRACTOR 1 CTRL CABLE-PLENUM CRESTRON

MANUFACTURER QTY DESCRIPTION 1 ACTIVE SINGLE PAIR AUDIO RECEIVER TX-TPR1A RDL LABS 1 POWER SUPPLY RDL LABS PS-24AS TERMINATE CABLE WITH RJ-45. CONNECT AS SHOWN

<u>MANUFACTURER</u> 1 SINGLE GANG STAINLESS STEEL STYLE LINE PLATE 1 BLUETOOTH TO UTP SENDER RDL LABS
1 CAT-6 CABLE-BLACK MOHAWK
TERMINATE CABLE WITH RJ-45. CONNECT AS SHOWN DS-BT1A

(RV) QTY DESCRIPTION MANUFACTURER CBL-PWR-CTRL-P-TL-50 1 SINGLE GANG STAINLESS STEEL STYLE LINE PLATE

1 REMOVE SOURCE AND VOLUME CONTROL ATLAS IED WPD-RISRL 1 CONTROL CABLE—CAT—6 CONTRACTOR CONTRACTOR

GENERAL NOTES:

1. INSTALL RACEWAY FOR THE CABLING AND CONTROL. INSTALL THE MIXER/AMP IN THE NEW RACK IN THE COMM ROOM. LABELALL INPUTS AND OUTPUTS. MARK ALL VOLUME CONTROLS WITH THE NOMINAL VOLUME LOCATION.

3. INSTALL LCD TO THE WALL. ENSURE THE DISPLAY COVERS THE CABLING AND BACKBOX

4. INSTALL CABLING THAT WILL TRANSMIT THE SIGNAL. FOR LONGER LOCATIONS THE

CABLING MAY HAVE TO BE AN "ACTIVE" HDMI CABLE. 5. CONNECT AND TEST THE CONNECTION FROM PLATE TO THE DISPLAY.

KEYED NOTES:

1 INSTALL THE MIXER/AMP INTO THE EXISTING RACK. COORDINATE WITH DATA CABLING GROUP.

2) INSTALL AN HDMI CABLE FROM THE PLATE TO THE LCD. THEN ROUTE AUDIO OUTPUT TO THE MIXER/AMP. PROVIDE A BALANCED TO UNBALANCED RDL LABS DEVICE IF REQUIRED.

CONFIGURE THE LCD TO ACCEPT THE HDMI INPUT AND ANY OTHER INPUTS. INCLUDE SETUP ON THE WIFI FOR SMART TV DEVICES.

4 INSTALL THE CONTROL PLATE AND ALL CABLING. CONFIGURE THE PLATE TO CONTROL LCD ON/OFF, VOLUME AND SWITCH BETWEEN INPUTS.

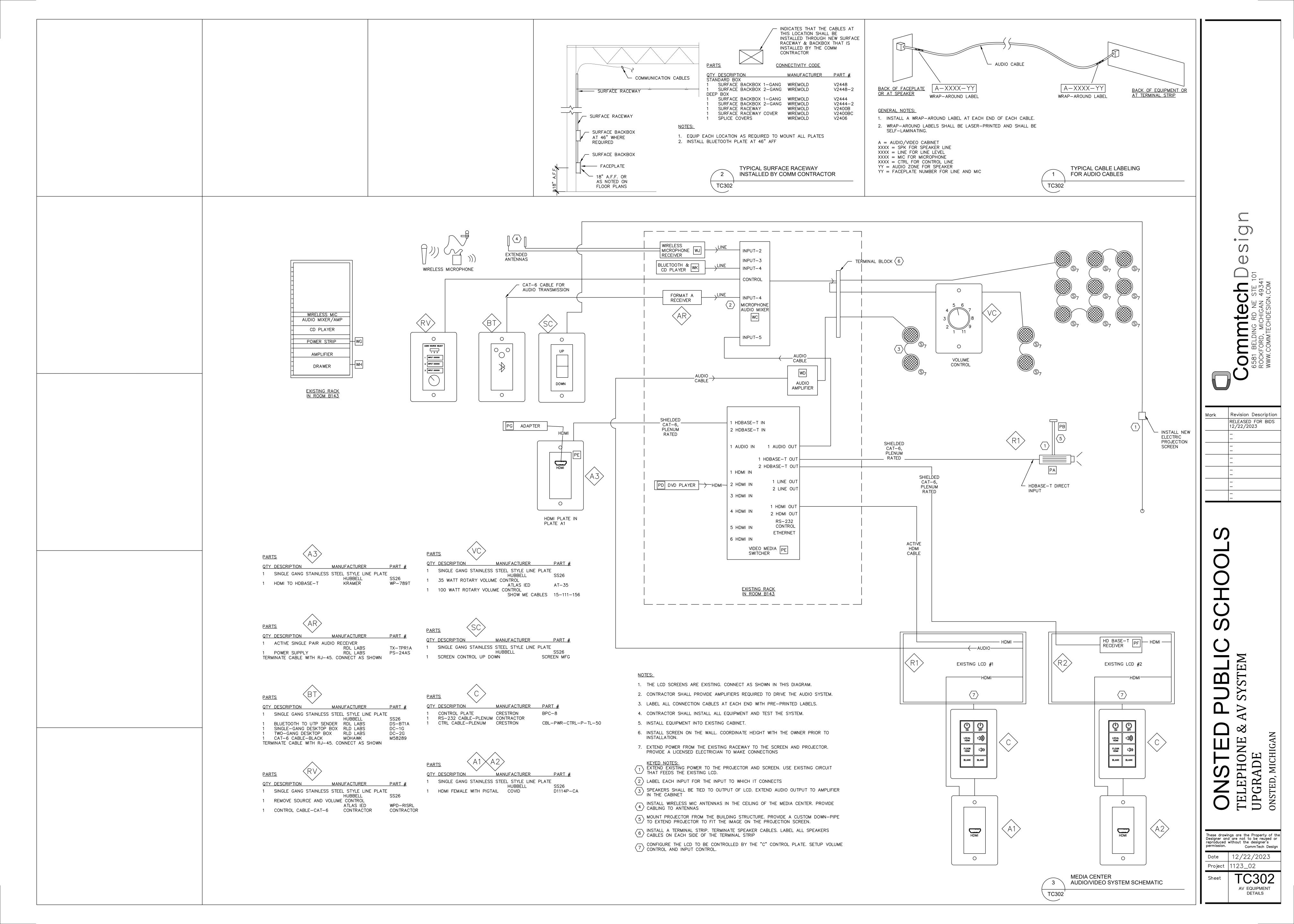
 $\left\langle 5\right\rangle$ EXTEND ANTENNA FOR WIRELESS MIC INTO THE CAFETERIA.

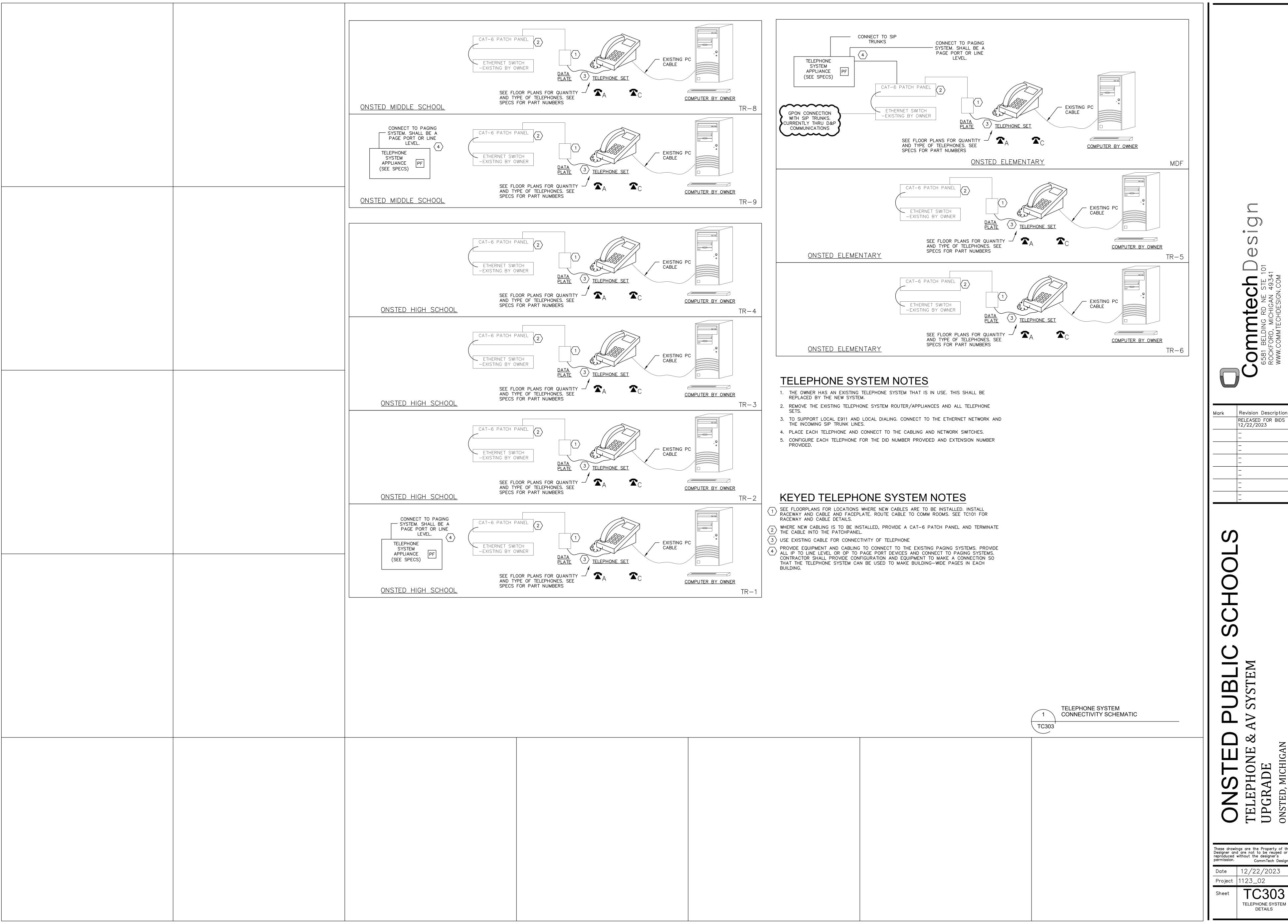
MIDDLE SCHOOL MULTIPURPOSE RM #C101 TC301

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Date 12/22/2023 Project 1123_02 TC301 TELEPHONE & AV SCHEDULES & DETAILS



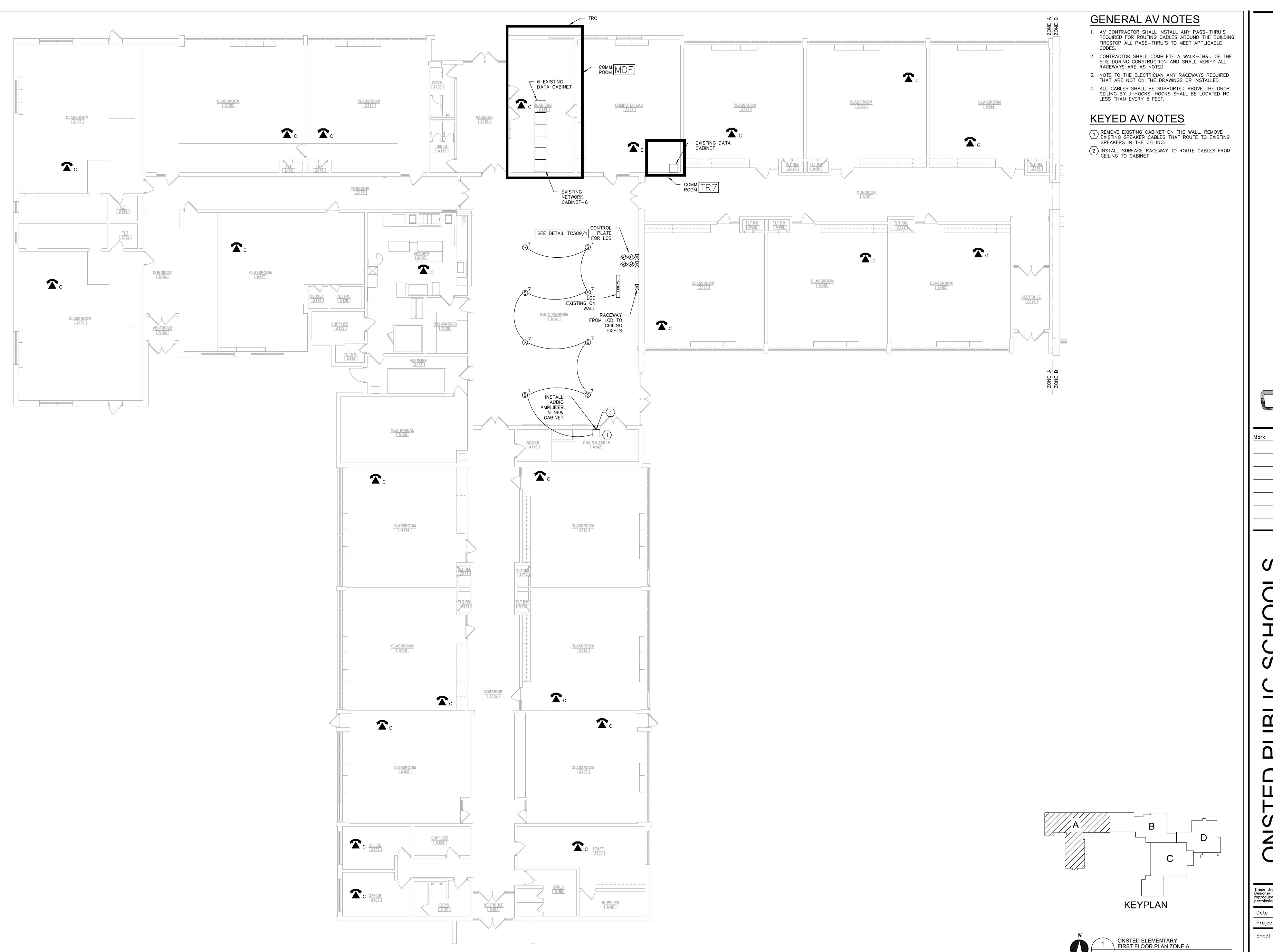


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DETAILS



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SLIC SCHOOLS

TELEPHONE & AV SYS UPGRADE

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Sheet TC401A

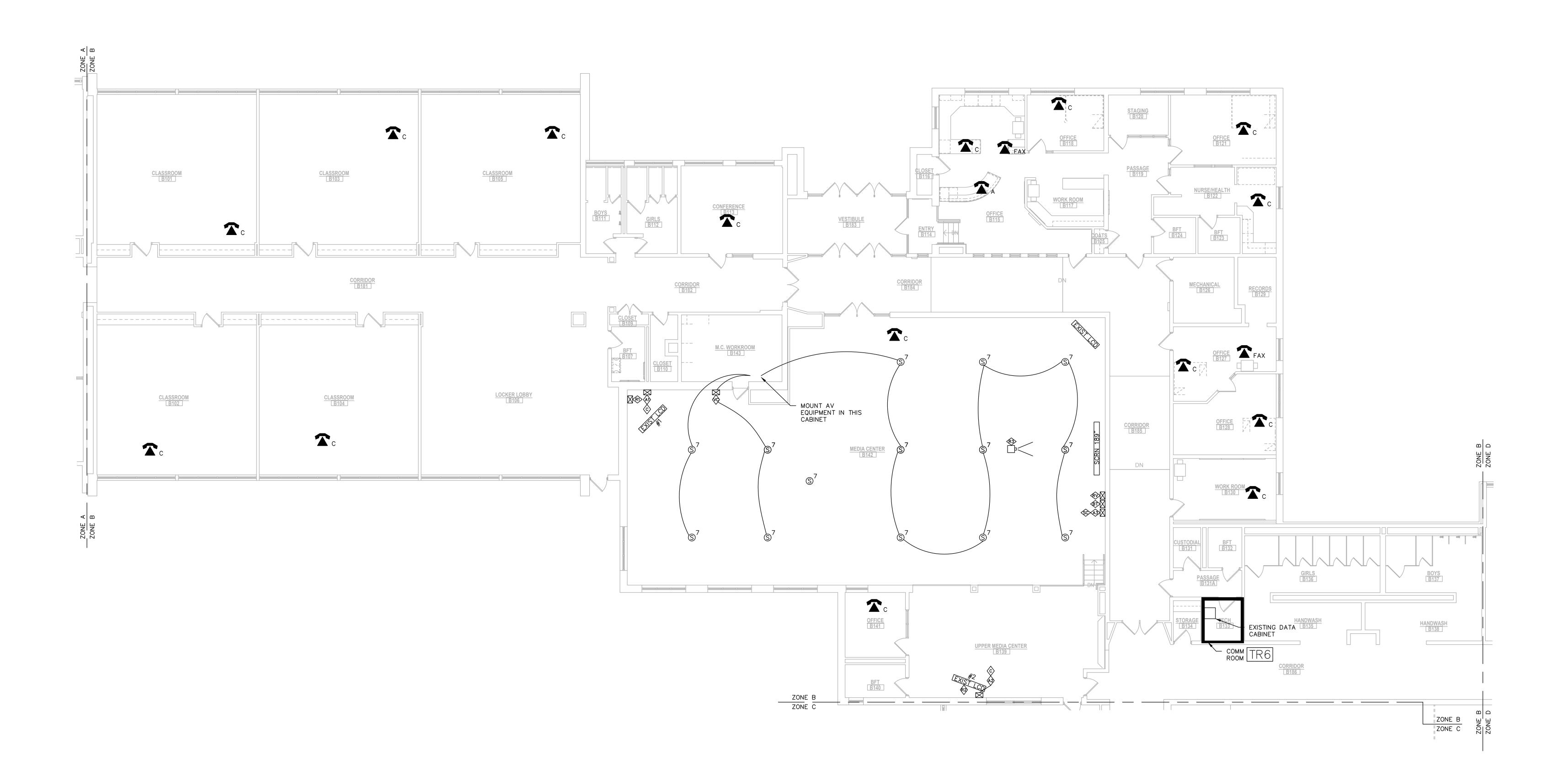
ONSTED ELEMENTARY
FIRST FLOOR PLAN
ZONE A

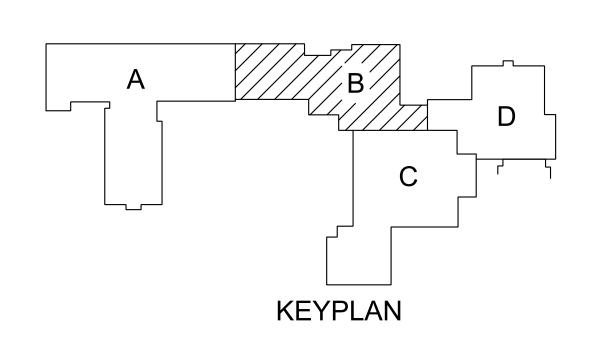
- AV CONTRACTOR SHALL INSTALL ANY PASS—THRU'S REQUIRED FOR ROUTING CABLES AROUND THE BUILDING. FIRESTOP ALL PASS—THRU'S TO MEET APPLICABLE CODES.
- CONTRACTOR SHALL COMPLETE A WALK—THRU OF THE SITE DURING CONSTRUCTION AND SHALL VERIFY ALL RACEWAYS ARE AS NOTED.
- 3. NOTE TO THE ELECTRICIAN ANY RACEWAYS REQUIRED THAT ARE NOT ON THE DRAWINGS OR INSTALLED
- ALL CABLES SHALL BE SUPPORTED ABOVE THE DROP CEILING BY J-HOOKS. HOOKS SHALL BE LOCATED NO LESS THAN EVERY 5 FEET.

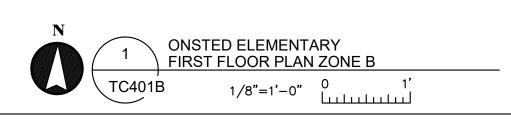
KEYED AV NOTES

REMOVE EXISTING CABINET ON THE WALL. REMOVE EXISTING SPEAKER CABLES THAT ROUTE TO EXISTING SPEAKERS IN THE CEILING.

2 INSTALL SURFACE RACEWAY TO ROUTE CABLES FROM CEILING TO CABINET







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SYSTEM

TELEPHONE & AV SYS'
UPGRADE

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Project 1123_02

Sheet TC401B

ONSTED ELEMENTARY
FIRST FLOOR PLAN
ZONE B

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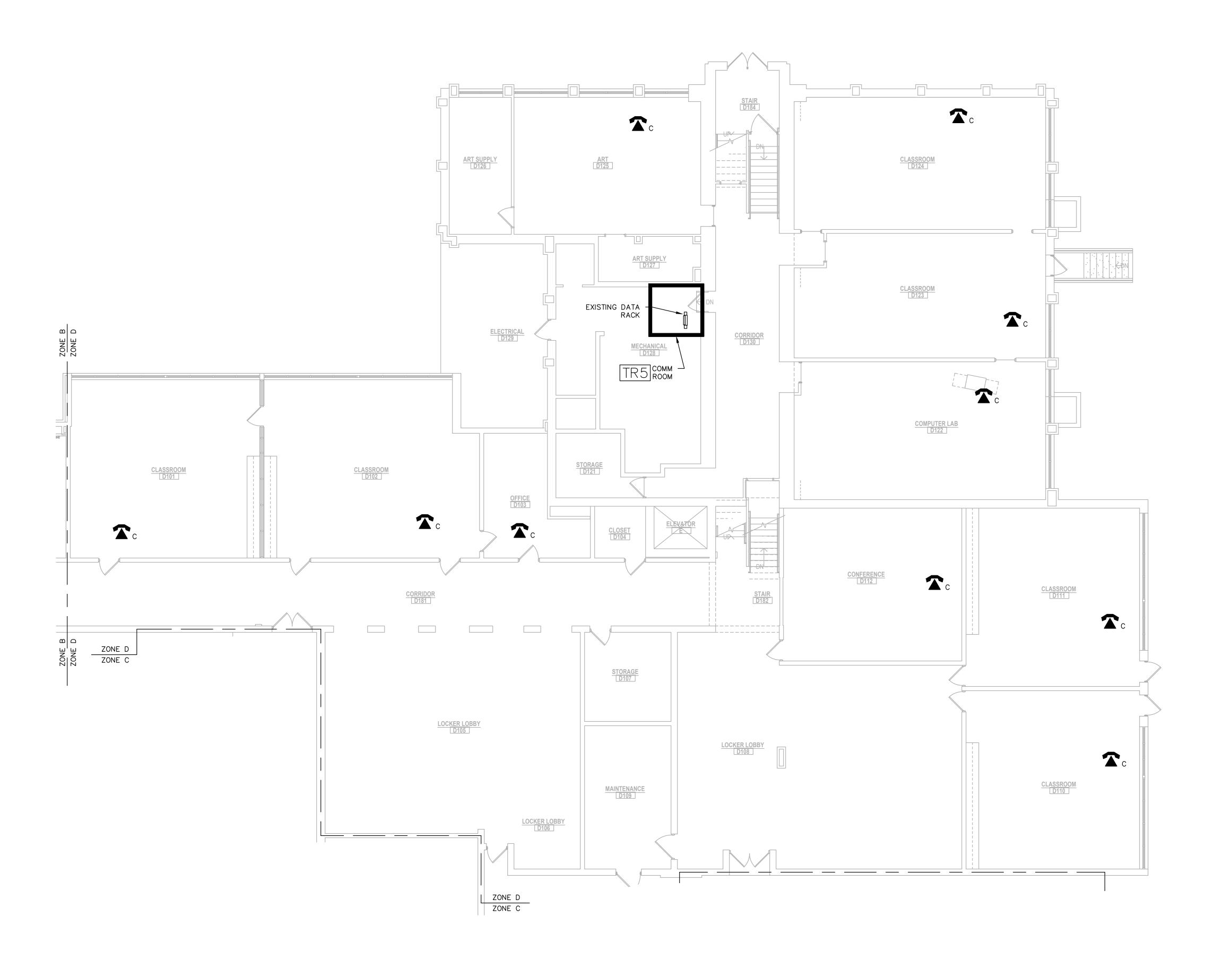
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KEYPLAN

ONSTED ELEMENTARY FIRST FLOOR PLAN ZONE C

Project 1123_02 TC401C ONSTED ELEMENTARY FIRST FLOOR PLAN ZONE C



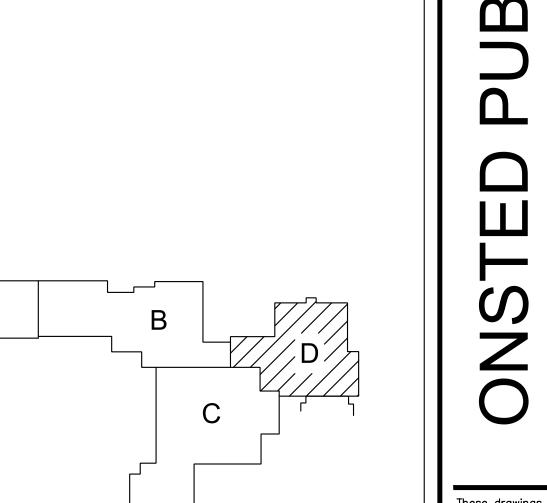
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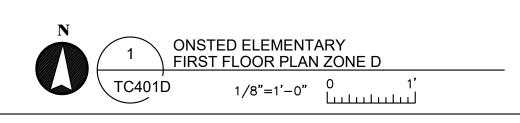
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KEYED AV NOTES

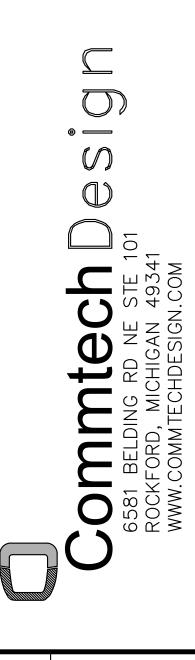
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2 INSTALL SURFACE RACEWAY TO ROUTE CABLES FROM CEILING TO CABINET





KEYPLAN



DELIC SCHOOLS
AN SYSTEM

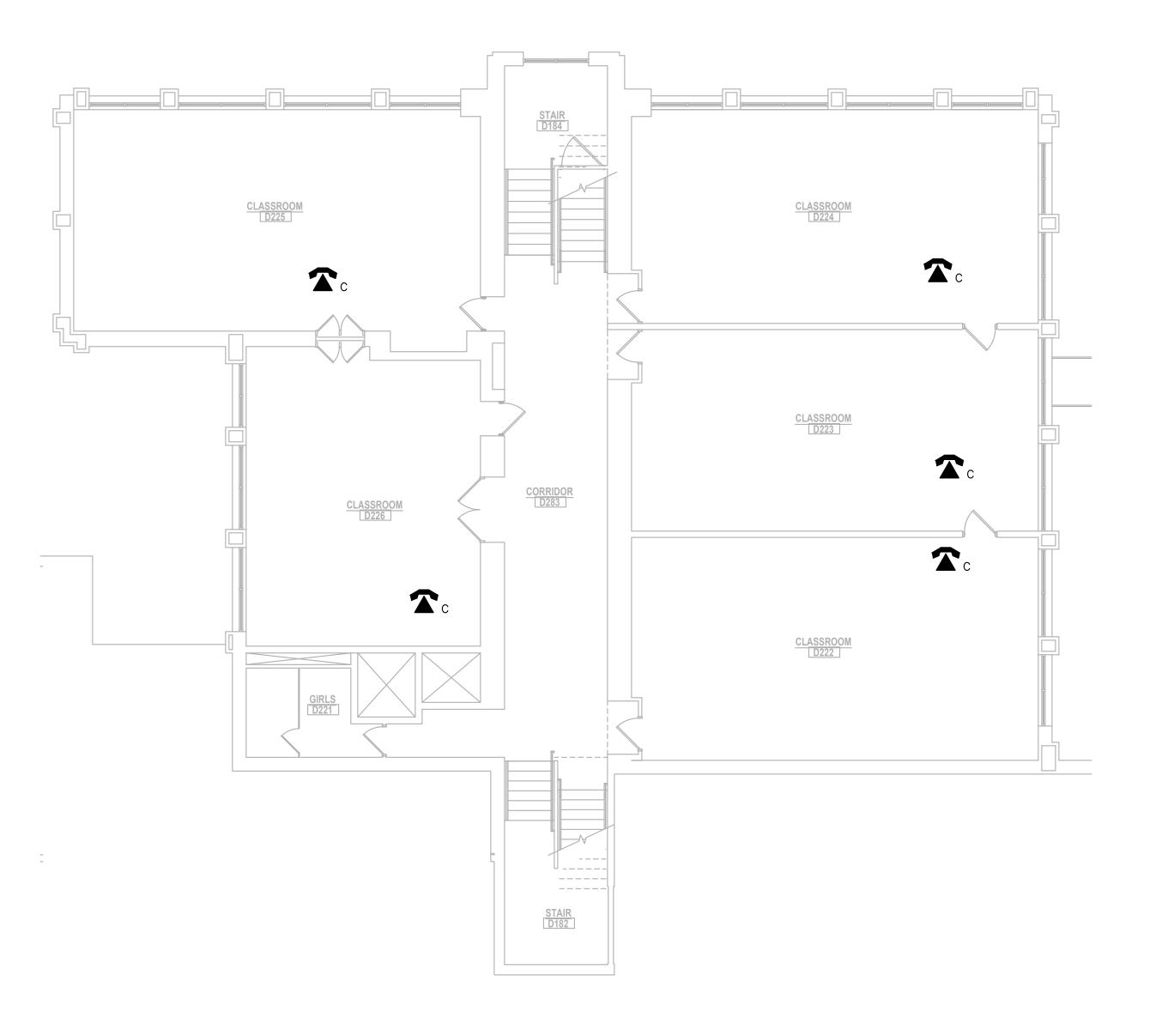
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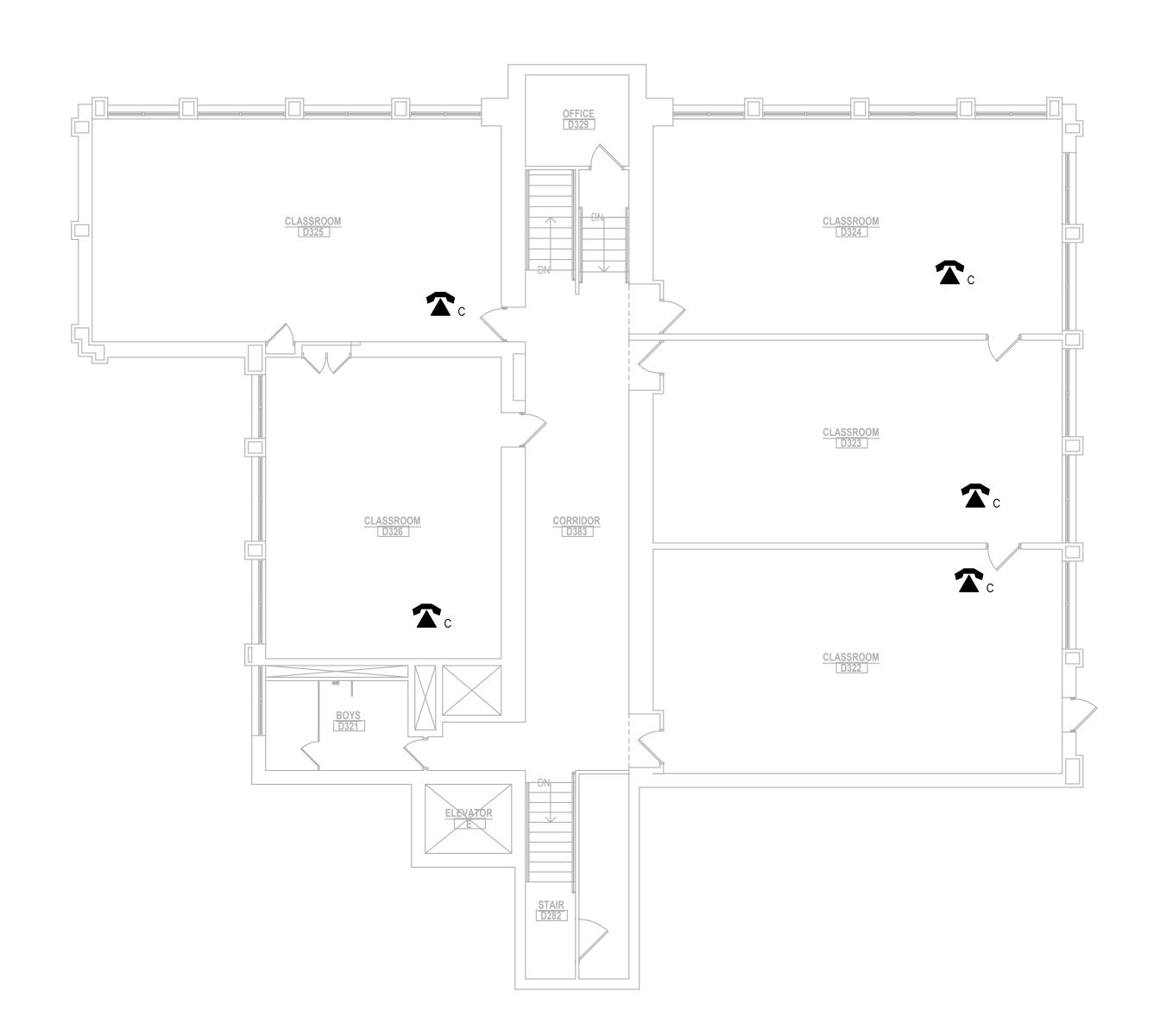
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Sheet TC401D
ONSTED ELEMENTARY
FIRST FLOOR PLAN
ZONE D





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2 INSTALL SURFACE RACEWAY TO ROUTE CABLES FROM CEILING TO CABINET

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KEYPLAN Sheet TC401E&F

ONSTED ELEMENTARY
SECOND & THIRD FLOOR
PLAN ZONE E & F

KEYPLAN

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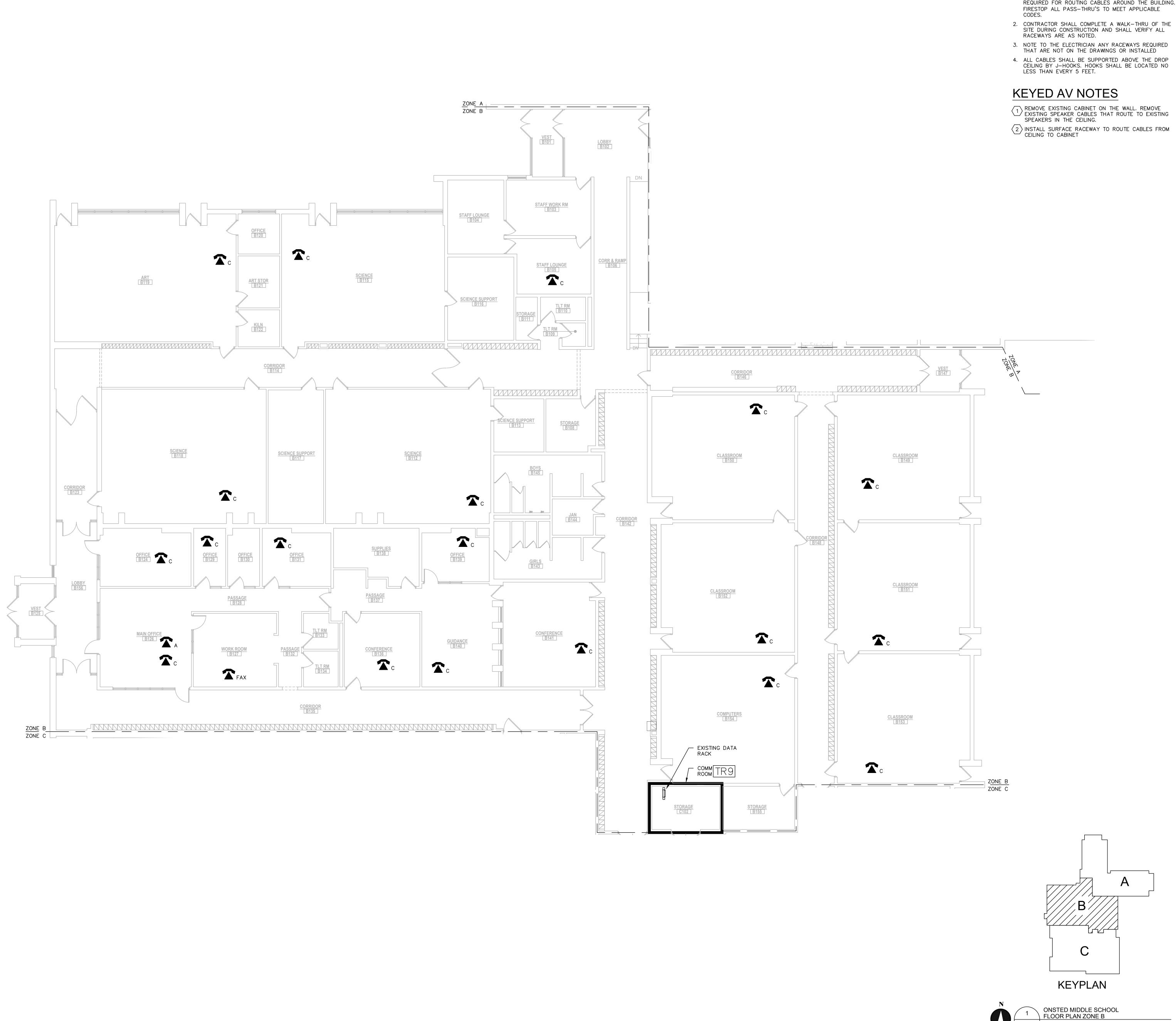
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Sheet TC411A

ONSTED MIDDLE SCHOOL
FLOOR PLAN ZONE A

KEYPLAN

ONSTED MIDDLE SCHOOL FLOOR PLAN ZONE A



AV CONTRACTOR SHALL INSTALL ANY PASS—THRU'S REQUIRED FOR ROUTING CABLES AROUND THE BUILDING.

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KEYPLAN

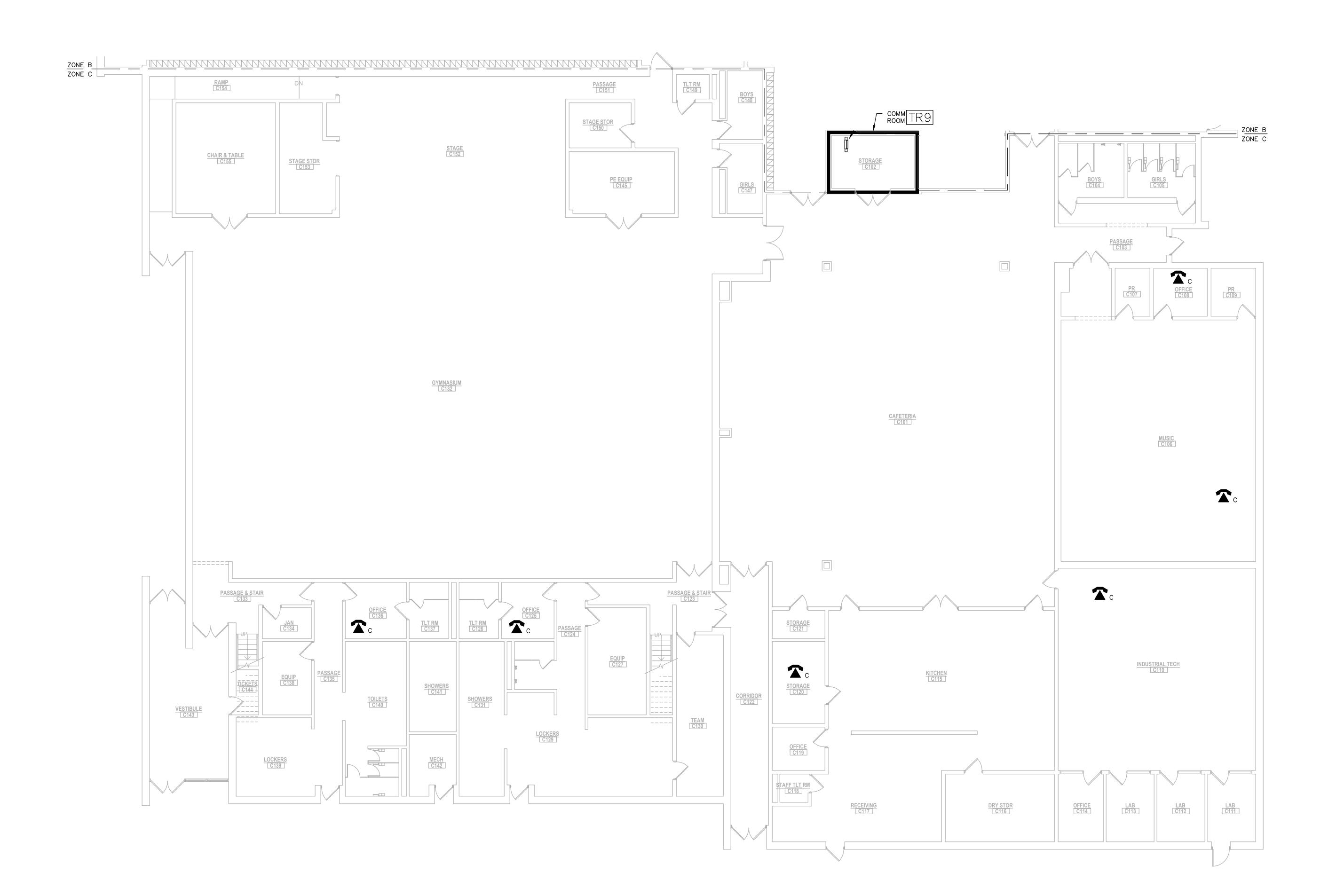
GENERAL AV NOTES

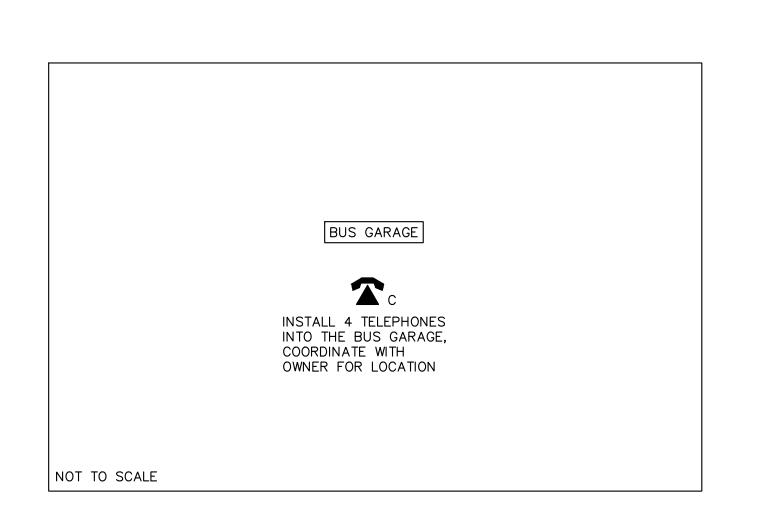
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	BOARD OFFICE	
	T C FAX	
	INSTALL 10 TELEPHONES INTO THE BOARD OFFICE, COORDINATE WITH OWNER FOR LOCATION	
OT TO SCALE		

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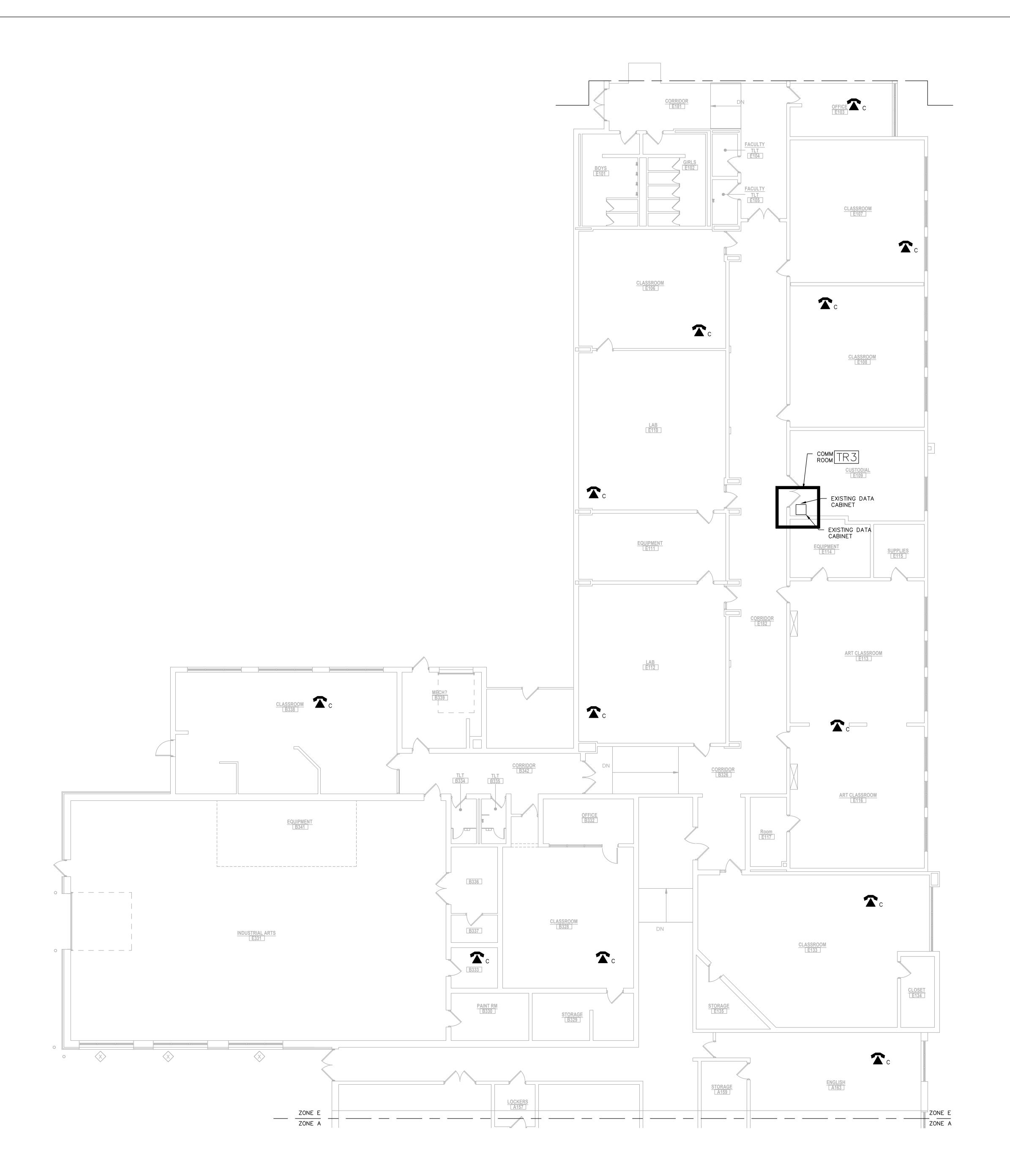
TED PUBLIC SCHOOLS ONE & AV SYSTEM

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Project 1123_02

Sheet TC411D

ONSTED BUS GARAGE & BOARD OFFICE FLOOR PLAN



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D PUBLIC SCHOOLS & AV SYSTEM

ONSTED, MICHIGAN

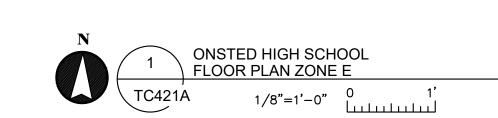
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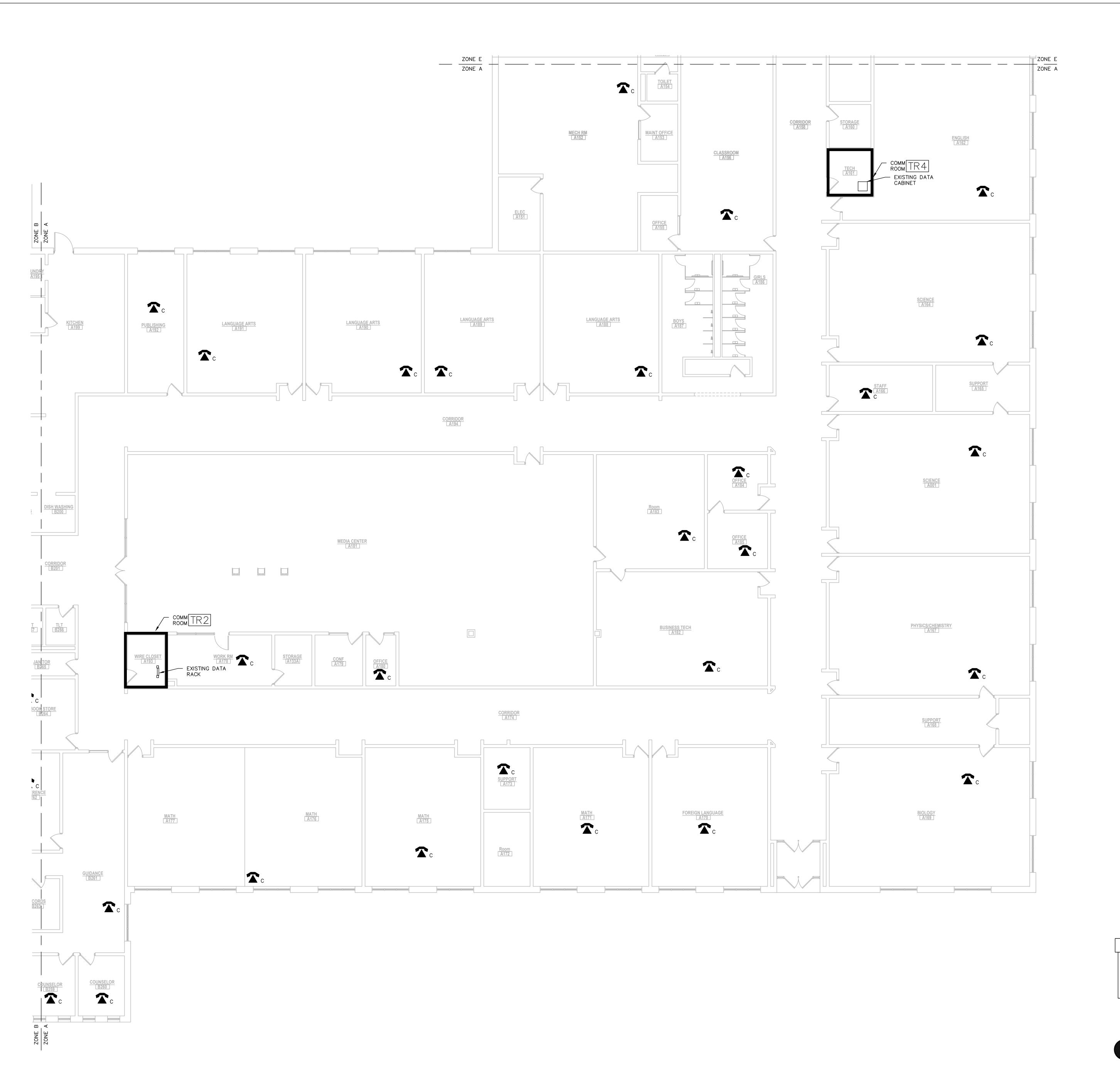
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Sheet TC421A

ONSTED HIGH SCHOOL FLOOR PLAN ZONE E



KEYPLAN



- AV CONTRACTOR SHALL INSTALL ANY PASS—THRU'S REQUIRED FOR ROUTING CABLES AROUND THE BUILDING. FIRESTOP ALL PASS-THRU'S TO MEET APPLICABLE
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Revision Description
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CommTech Design

Date 12/22/2023 Project 1123_02 Sheet TC421B ONSTED HIGH SCHOOL FLOOR PLAN ZONE A

KEYPLAN

ONSTED HIGH SCHOOL FLOOR PLAN ZONE A

