COMMUNICATION SYMBOL LEGEND

SYMBOL	DESCRIPTION
⟨1⟩	THIS SYMBOL WITH A NUMBER INSIDE REFERS TO KEYNOTES. REFER TO NOTES ON THE SHEET OR WITHIN THE DETAIL FOR ADDITIONAL INFORMATION
A	EQUIPMENT SCHEDULE. THIS SYMBOL WITH LETTERS INSIDE REFERS EQUIPMENT SCHEDULES, SEE DETAILS AND EQUIPMENT SCHEDULES ON TC101, TC301, TC501 AND TC701.
1	CABLE SCHEDULE. THIS SYMBOL WITH NUMBERS INSIDE REFERS EQUIPMENT SCHEDULES, SEE DETAILS AND EQUIPMENT SCHEDULES ON TC101, TC301, TC501 AND TC701.
◇ XXXX	DATA COMMUNICATIONS OUTLET CONNECTIVITY CODE. X IS A 1 THRU 99. SEE TC1XX SHEETS FOR SPECIFIC REQUIREMENTS. XXXX NOTES THAT THE CABLE IS FOR A SPECIFIC USE

ABBREVIATIONS

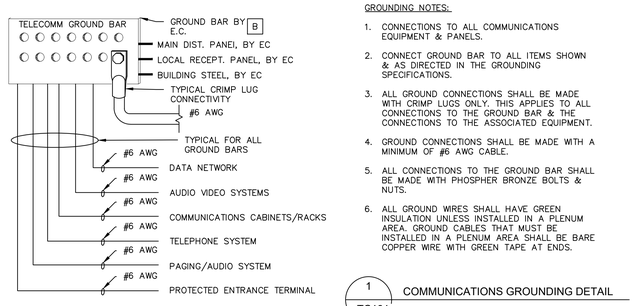
ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
2G	TWO-GANG BOX - PROVIDED BY EC	NIC	NOT IN CONTRACT
AC	ABOVE COUNTER - INSTALL BACKBOX SAME HEIGHT AS OTHER ELECTRICAL OUTLETS ABOVE THE COUNTER.	PBO	PROVIDED BY OTHERS
AFF	ABOVE FINISHED FLOOR	PCO-1	PATCH CORD ORGANIZER - 1 UNIT HIGH
AFG	ABOVE FINISHED GROUND	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		

COMMUNICATION EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PART NO.
A	WALL MOUNT CABINET. SIZE AS PER DETAILS. INCLUDE PLEXIGLAS FRONT DOOR, FAN ASSEMBLY AND 6-POSITION, RACK MOUNTED POWER STRIP. 48" TALL	HOFFMAN	EWMWG482425
B	TELECOMMUNICATIONS GROUND BAR (TGB). 1/4"x4"x10" EQUIPPED WITH INSULATED STAND-OFFS.	HUBBELL	HBBB14210A
C	SINGLE RACK UNIT PATCH CORD ORGANIZER (PCO-1) WITH HINGED COVER.	HUBBELL	HS13C
D	PATCH PANEL-24 PORT, EQUIPPED WITH 8-PIN MODULAR JACKS TO MATCH THE CABLE COLOR AND CABLE TYPE BEING TERMINATED. PROVIDE ONE MODULAR JACK FOR EACH CABLE BEING TERMINATED. SEE SPEC AND DRAWINGS FOR COLORS. EQUIP WITH REAR CABLE ORGANIZER	HUBBELL	PANEL: HPJ24 ORGANIZER: HPRCMB
E	RACK MOUNT FIBER PANEL. USE WHEN TERMINATING 24 OR LESS FIBER STRANDS. PROVIDE EACH FIBER PANEL WITH "SC" SIX OR 12 PACKS AS REQUIRED FOR TERMINATION OF ALL FIBERS. PROVIDE SPLICE TRAY AND SHELF FOR FUSION SPLICES TO PIGTAILS.	HUBBELL	FPR3SP
F	FIBER OPTIC CABLE STOWAGE RING. WALL MOUNTED. 12" OR 24". PROVIDE AND INSTALL TO SUPPORT BEND RADIUS REQUIREMENTS OF THE FIBER CABLE'	LEVITON	12" #48900-IFR / 24" #48900-OFR

CABLE SCHEDULE

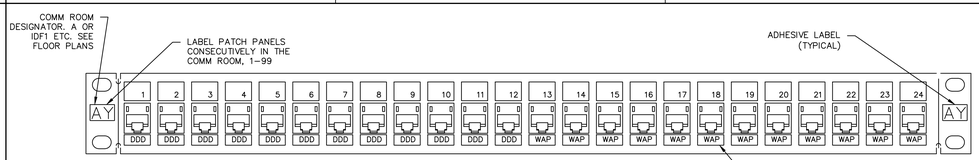
MARK	DESCRIPTION	MANUFACTURER	PART NO.
1	CAT-6 UTP CABLES FOR DATA COMMUNICATIONS SHALL BE BLUE IN COLOR	MOHAWK	M58281
2	CAT-6 UTP CABLES FOR SECURITY CAMERAS SHALL BE GREEN IN COLOR	MOHAWK	M58286
3	CAT-6A UTP CABLES FOR WIRELESS ACCESS POINTS SHALL BE YELLOW IN COLOR	MOHAWK	M59148
4	CAT-6 UTP CABLES FOR TIE PANELS BETWEEN COMM ROOMS SHALL BE VIOLET IN COLOR	MOHAWK	M58290
5	CAT-6 UTP CABLES FOR CLOCK/PAGING CONNECTIVITY SHALL BE BROWN IN COLOR	MOHAWK	M58756
6	12 STRAND SINGLEMODE FIBER CABLE, PLENUM RATED -ARMORED	OCC	DZ012TSLX9YP18



GROUNDING NOTES:

1. CONNECTIONS TO ALL COMMUNICATIONS EQUIPMENT & PANELS.
2. CONNECT GROUND BAR TO ALL ITEMS SHOWN & AS DIRECTED IN THE GROUNDING SPECIFICATIONS.
3. ALL GROUND CONNECTIONS SHALL BE MADE WITH CRIMP LUGS ONLY. THIS APPLIES TO ALL CONNECTIONS TO THE GROUND BAR & THE CONNECTIONS TO THE ASSOCIATED EQUIPMENT.
4. GROUND CONNECTIONS SHALL BE MADE WITH A MINIMUM OF #6 AWG CABLE.
5. ALL CONNECTIONS TO THE GROUND BAR SHALL BE MADE WITH PHOSPHER BRONZE BOLTS & NUTS.
6. ALL GROUND WIRES SHALL HAVE GREEN INSULATION UNLESS INSTALLED IN A PLENUM AREA. GROUND CABLES THAT MUST BE INSTALLED IN A PLENUM AREA SHALL BE BARE COPPER WIRE WITH GREEN TAPE AT ENDS.

1 / TC101 — COMMUNICATIONS GROUNDING DETAIL



NOTES:
1. INSTALL A LABEL TO EACH PATCH PANEL DETAILING THE COMM ROOM NUMBER AND PATCH PANEL NUMBER. EACH PANEL IS PRE-NUMBERED 01-24 ON EACH PANEL.
2. ALL LABELS ADDED TO THE PANEL SHALL BE LASER PRINTED AND CUT TO FIT. ALL NUMBERS SHALL EXACTLY ALIGN WITH THE LOCATION ON THE PATCH PANEL.
3. IF THE PANEL IS NOT PRE-LABELED 01-24 THEN THE CONTRACTOR SHALL INSTALL A LABEL FOR EACH PORT.
4. THE CABLES SHALL BE TERMINATED ON THE PATCH PANEL IN NUMERICAL ORDER. NO EXCEPTIONS.
5. ADD LABELS FOR CAMERA NUMBERS OR WAP NUMBERS DEPENDING UPON PATCH PANEL. SEE RACK LAYOUTS TO DETERMINE IF CAMERA AND WAP CABLES WILL BE ON SEPARATE OR SHARED PATCHPANELS

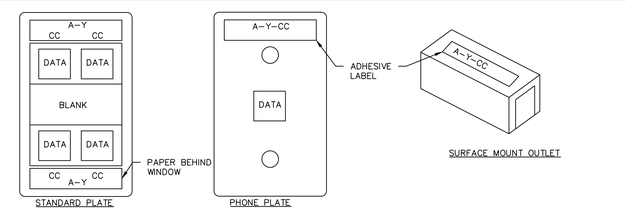
DATA CABLE LABELING A-Y-CC

A = COMMUNICATIONS ROOM NUMBER. A, B OR C ETC.
Y = PATCH PANEL IN THAT COMMUNICATIONS ROOM
CC = PORT NUMBER ON PATCH PANEL 1-24.

DDD = CAMERA NUMBER. MEET WITH OWNER AND SECURITY CONTRACTOR TO OBTAIN THIS NUMBER

WAP = WAP NUMBER. MEET WITH OWNER TO OBTAIN THIS NUMBER

4 / TC101 — CAMERA OR WIRELESS PANEL LABELING



NOTES:
1. INSTALL A PAPER LABEL BEHIND THE PLASTIC WINDOW IN STANDARD PLATES THAT ARE EQUIPPED WITH THE WINDOWS.
2. PROVIDE ADHESIVE LABELS ON WALL PHONE PLATES & SURFACE MOUNT OUTLETS & PLATES WITHOUT LABELING WINDOWS.

DATA CABLE LABEL:
A = COMMUNICATIONS ROOM, A, B, ETC.
Y = PATCH PANEL IN THAT RACK OR CABINET 1-X
CC = PORT ON THAT PANEL FROM 01-24

2 / TC101 — TYPICAL FACEPLATE LABELING

NOTES:
1. INSTALL A LABEL TO EACH PATCH PANEL DETAILING THE COMM ROOM NUMBER AND PATCH PANEL NUMBER. EACH PANEL IS PRE-NUMBERED 01-24 ON EACH PANEL.
2. ALL LABELS ADDED TO THE PANEL SHALL BE LASER PRINTED AND CUT TO FIT. ALL NUMBERS SHALL EXACTLY ALIGN WITH THE LOCATION ON THE PATCH PANEL.
3. IF THE PANEL IS NOT PRE-LABELED 01-24 THEN THE CONTRACTOR SHALL INSTALL A LABEL FOR EACH PORT.
4. INDIVIDUAL CABLES AT A SINGLE FACEPLATE SHALL BE LABELED IN SEQUENCE AS PER THE PATCH PANEL.
5. THE CABLES SHALL BE TERMINATED ON THE PATCH PANEL IN NUMERICAL ORDER. NO EXCEPTIONS.

DATA CABLE LABELING A-Y-CC

A = COMMUNICATIONS ROOM NUMBER. A, B OR C ETC.
Y = PATCH PANEL IN THAT COMMUNICATIONS ROOM
CC = PORT NUMBER ON PATCH PANEL 0-24.

5 / TC101 — CAT-6 DATA PANEL LABELING

NOTES:
1. INSTALL A WRAP-AROUND LABEL AT EACH END OF EACH CABLE.
2. WRAP-AROUND LABELS SHALL BE LASER-PRINTED AND SHALL BE SELF-LAMINATING.

CABLE LABEL:

A = COMMUNICATIONS ROOM NUMBER. A, B OR C ETC.
Y = PATCH PANEL IN THAT COMMUNICATIONS ROOM
CC = PORT NUMBER ON PATCH PANEL 0-24.
DDD = CAMERA OR WAP NUMBER

3 / TC101 — TYPICAL CABLE LABELING AT FACEPLATE & PATCH PANEL

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PROJECT TITLE

WYLIE ELEMENTARY CLASSROOM ADDITION

Dexter Community School District

DRAWING TITLE

TECHNOLOGY LEGENDS SCHEDUILES & DETAILS

ISSUE DATES

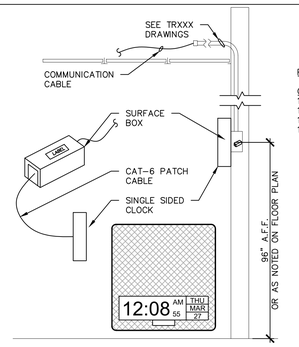
02-06-26	CONSTRUCTION DOCUMENTS
DATE:	ISSUED FOR:
DRAWN	JMS
CHECKED	BVH
APPROVED	BWE

PROJECT NO.

25023D

DRAWING NO.

TC101



5

PARTS		CONNECTIVITY CODE	
QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	CAT-6 CABLE-BROWN	MOHAWK	M58786
1	CAT-6 JACK-BROWN	HUBBELL	HXJ6BN
1	IP CLOCK	ATLASIED	IP-SDMF

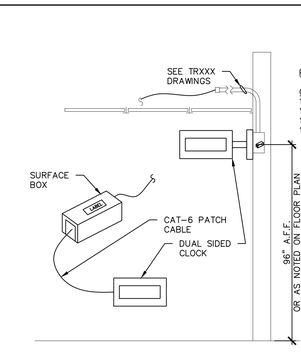
CLOCK/SPEAKER

5 CONNECTIVITY CODE
TC102

INSTALLATION NOTES:

1. REFER TO THESE NOTES FOR ALL CONNECTIVITY CODES. FOR SPECIALIZED NOTES SEE THE ACTUAL CONNECTIVITY CODE.
2. ROUTE ALL USER CABLES FROM THE RACK OR CABINET, THROUGH THE CABLE TRAY IF SO PROVIDED. IF NO CABLE TRAY IS SHOWN INSTALL CABLES THROUGH "J" HOOKS. PROVIDE ALL "J" HOOKS.
3. CABLES SHALL BE SUPPORTED NO LESS THAN EVERY 5 FEET.
4. PROVIDE A SMALL LOOP OF CABLE ABOVE THE CEILING PRIOR TO INSTALLING THE CABLE INTO THE USER CONDUIT OR RACEWAY.
5. ROUTE THE CABLE THROUGH THE CONDUIT OR RACEWAY AND TO THE WALLBOX, FLOORBOX OR SURFACE MOUNT BOX. PROVIDE ENOUGH EXTRA CABLE FOR TERMINATION AND MAINTENANCE.
6. TERMINATE ALL CABLES WITH THE CORRECT CONNECTORS.
7. ALL CONNECTORS SHALL BE INSERTED INTO THE KEYSTONE PLATES AND THEN THE KEYSTONE PLATES SHALL BE INSTALLED INTO THE FACEPLATES.
8. INSTALL FACEPLATES TO THE BOXES OR DIRECTLY TO THE WALL OR FURNITURE IN THE CASE OF SURFACE MOUNT BOXES.
9. EACH CABLE SHALL HAVE A LASER-PRINTED, SELF-LAMINATING WRAP-AROUND LABEL AT EACH END. SEE DETAILS ON TC101
10. OUTLETS SHALL BE AT 18" AFF UNLESS NOTED ON THE CONNECTIVITY CODE OR PLAN DRAWINGS.
11. LABEL EACH FACEPLATE WITH A LASER-PRINTED LABEL THAT IS INSTALLED BEHIND THE CLEAR PLASTIC LABEL STRIP. WHERE NO LABEL STRIP IS PROVIDED, THE CONTRACTOR SHALL INSTALL A LASER PRINTED ADHESIVE LABEL. WHERE SPECIFICALLY NOTED, THE CONTRACTOR SHALL INSTALL ENGRAVED LAMACOID LABELS.
12. AFTER INSTALLATION, ALL CABLES SHALL BE TESTED. SEE SPECIFICATIONS FOR TESTING REQUIREMENTS.
13. SEE DRAWINGS AND SPECS FOR DETAILS ON LABELING PLATES AND PANELS IN THE COMM ROOMS
14. PROVIDE FLEXIBLE CONDUIT FROM THE WALLBOX OR FLOORBOX TO THE FURNITURE RACEWAY WHERE CABLES ARE INSTALLED IN FURNITURE.

N CONNECTIVITY CODE MOHAWK NOTE
TC102

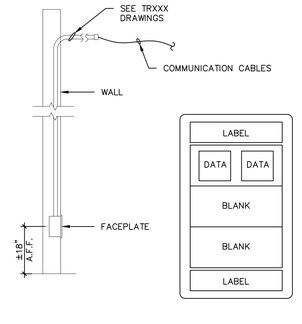


6

PARTS		CONNECTIVITY CODE	
QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	CAT-6 CABLE-BROWN	MOHAWK	M58786
1	CAT-6 JACK-BROWN	HUBBELL	HXJ6BN
1	IP CLOCK	ATLASIED	IP-DD

WALL MOUNTED DUAL SIDED CLOCK

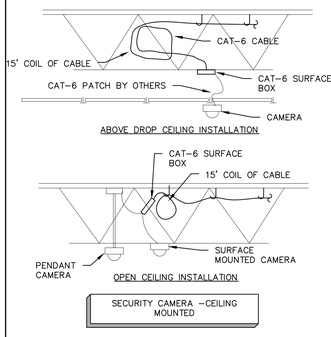
6 CONNECTIVITY CODE
TC102



1

PARTS		CONNECTIVITY CODE	
QTY	DESCRIPTION	MANUFACTURER	PART #
1	FACEPLATE	HUBBELL	IMF10W
2	CAT-6 CABLES	MOHAWK	M58281
2	CAT-6 JACK	HUBBELL	HXJ60W
1	TWO-HOLE KEYSTONE	HUBBELL	IM2K10W
2	1 UNIT BLANK	HUBBELL	IMB10W

1 CONNECTIVITY CODE
TC102



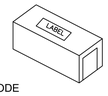
SECURITY CAMERA -CEILING MOUNTED

7

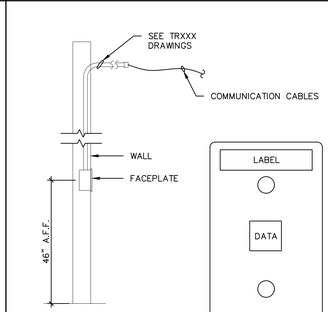
PARTS		CONNECTIVITY CODE	
QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	CAT-6 CABLES-GREEN	MOHAWK	M58286
1	CAT-6 JACK	HUBBELL	HXJ6GN

INSTALLATION NOTES:

1. PROVIDE A SURFACE MOUNT BOX TO THE BUILDING STRUCTURE NEAR THE SECURITY CAMERA LOCATION.
2. SEE FLOORPLAN FOR LOCATION.
3. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR TYPE



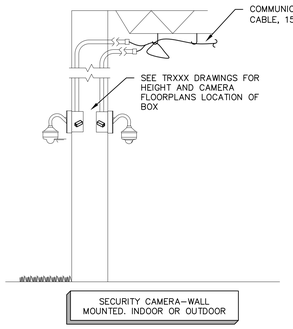
7 CONNECTIVITY CODE
TC102



2

PARTS		CONNECTIVITY CODE	
QTY	DESCRIPTION	MANUFACTURER	PART #
1	CAT-6 CABLE	MOHAWK	M58281
1	CAT-6 JACK	HUBBELL	HXJ60W
1	TELEPHONE PLATE	HUBBELL	SP6F

2 CONNECTIVITY CODE
TC102



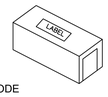
SECURITY CAMERA-WALL MOUNTED. INDOOR OR OUTDOOR

8

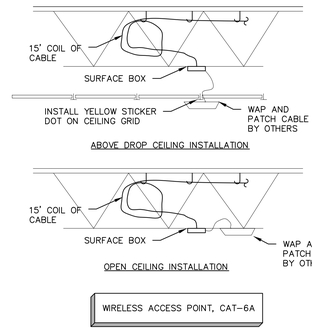
PARTS		CONNECTIVITY CODE	
QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	CAT-6 CABLES-GREEN	MOHAWK	M58286
1	CAT-6 JACK	HUBBELL	HXJ6GN

INSTALLATION NOTES:

1. PROVIDE A SURFACE MOUNT BOX TO THE BACKBOX AT THE SECURITY CAMERA LOCATION.
2. SEE FLOORPLAN FOR INSTALLATION LOCATION. SEE TR RACEWAY DRAWINGS FOR HEIGHT OF CAMERA AND CABLING.



8 CONNECTIVITY CODE
TC102



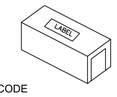
WIRELESS ACCESS POINT, CAT-6A

3

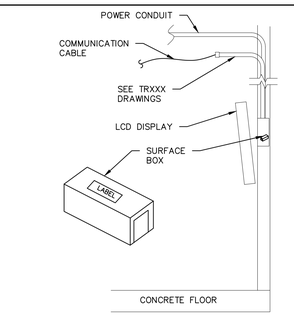
PARTS		CONNECTIVITY CODE	
QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	CAT-6A CABLES-YELLOW	MOHAWK	M59148
1	CAT-6A JACK	HUBBELL	HJ6AY

INSTALLATION NOTES:

1. PROVIDE A SURFACE MOUNT BOX TO THE BUILDING STRUCTURE NEAR THE ACCESS POINT LOCATION.
2. INSTALL A LASER PRINTED CABLE LABEL ON THE CEILING WHERE THE CABLE TERMINATES. THIS WILL ALLOW THE FUTURE USER TO FIND THE CABLE TO EVENTUALLY INSTALL WIRELESS ACCESS POINT.



3 CONNECTIVITY CODE
TC102



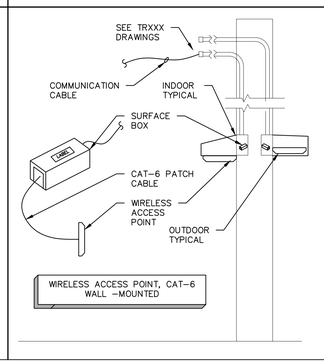
9

PARTS		CONNECTIVITY CODE	
QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	CAT-6 CABLES	MOHAWK	M58281
1	CAT-6 JACK	HUBBELL	HXJ60W

INSTALLATION NOTES:

1. LABEL CABLE AND SURFACE BOX WITH CABLE NUMBER
2. COIL DATA CABLE AND MOUNT SURFACE MOUNT BOX TO SIDE OF THE IN-WALL BACKBOX.

9 CONNECTIVITY CODE
TC102



WIRELESS ACCESS POINT, CAT-6 WALL -MOUNTED

4

PARTS		CONNECTIVITY CODE	
QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	CAT-6A CABLES-YELLOW	MOHAWK	M59148
1	CAT-6 JACK	HUBBELL	HXJ6Y

4 CONNECTIVITY CODE
TC102

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PROJECT TITLE

WYLIE ELEMENTARY CLASSROOM ADDITION

Dexter Community School District

DRAWING TITLE

CABLING CONNECTIVITY CODES

ISSUE DATES

02-06-26	CONSTRUCTION DOCUMENTS

DATE:	ISSUED FOR:
DRAWN	JMS
CHECKED	BVH
APPROVED	BWE

PROJECT NO.

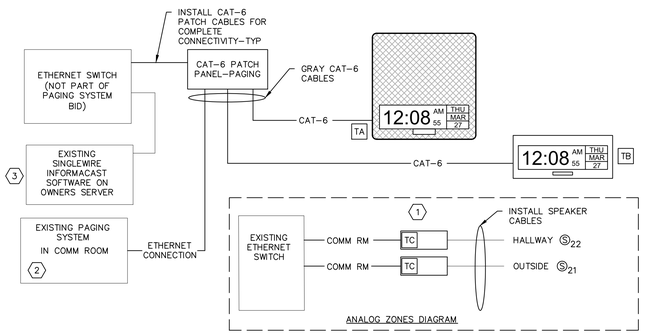
25023D

DRAWING NO.

TC102

KEYED NOTES:

1. WHERE MULTIPLE SPEAKERS ARE REQUIRED TO BE ON THE SAME ZONE. PROVIDE AMPLIFIER AS REQUIRED TO POWER ALL SPEAKERS.
2. EXISTING PAGING SYSTEM IS INSTALLED IN AN EXISTING CABINET OR ON THE WALL IN THE COMMUNICATION ROOMS. COORDINATE WITH THE DISTRICT FOR LOCATIONS. CONNECT TO POWER.
3. LOAD ALL PAGING SYSTEM SOFTWARE ON NO LESS THAN 3 OF THE OWNERS PC'S AT THE BUILDING. SHALL WORK ON A WINDOWS OR APPLE DEVICE.



NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CABLES ASSOCIATED WITH THE CONNECTIVITY OF THE PAGING/BELL SYSTEM. ALL SHALL BE PLENUM RATED
2. SEE BID SCOPES AND FLOORPLANS FOR WHO IS TO INSTALL THE CAT-6 CABLES FROM COMM ROOM TO ALL IP POE DEVICES.
3. ALL CABLES FOR PAGING SYSTEM SHALL BE GRAY AND PLENUM RATED.
4. CONTRACTOR SHALL LABEL EACH PAGING SYSTEM SPEAKER CABLE. THE LABEL SHALL BE "ZONE XXX" WHERE XXX DESIGNATES THE EXTENSION THAT THE CABLE IS CONNECTED TO. CABLES SHALL BE LABELED AT EACH TERMINATION POINT & AT EACH PATCH PANEL IN COMM ROOM
5. PROVIDE INTERCONNECTION CABLES AS REQUIRED FOR ZONES AND POWER DISTRIBUTION TO THE SPEAKERS FROM AMPLIFIERS AND FROM CLOCKS. CONTRACTOR SHALL VERIFY CONFIGURATION WITH ENGINEER PRIOR TO INSTALLATION.
6. IDENTIFY EXISTING SPEAKERS TO REMAIN AND EXISTING CABLE THAT ATTACHES TO THOSE SPEAKERS. ATTACH EXISTING CABLE TO IP TO ANALOG INTERFACE.
7. INSTALL A DIRECT TELEPHONE INTERFACE THAT WILL BE VIA A SIP TRUNK. CONFIGURE TELEPHONE SYSTEM AND PAGING SYSTEM TO ALLOW FULL CALLING FROM TELEPHONE SYSTEM TO ALL SPEAKERS ZONES.
8. PAGING SYSTEM SHALL HAVE AN INTEGRATED BELL SYSTEM THAT ALLOWS CONFIGURATION OF THE BELLS VIA A PC. OWNER SHALL BE ABLE TO EASILY CHANGE ON A PER-ZONE BASIS. USE IP NETWORK FOR CONNECTION.
9. THE CONTRACTOR SHALL CONSULT WITH THE OWNER PRIOR TO INSTALLATION. WORK OUT WHICH SPEAKERS WILL BE CONNECTED TO EACH AUDIO ZONE. SUBMIT A CONNECTIVITY DIAGRAM PRIOR TO INSTALLATION. INSTALL ALL CABLES FROM CLOCKS TO CONNECT NEW AND EXISTING SPEAKERS. REFER TO FLOORPLANS FOR NEW AND REMAINING SPEAKERS.
10. THE PAGING SYSTEM SHALL BE CONSTANTLY UPDATED VIA A NATIONAL TIME CONNECTION TO KEEP THE BELLS THE SAME TIME AS THE CLOCKS.
11. SYSTEM SHALL ALLOW THE USE OF TELEPHONES FOR PAGES TO BE MADE TO ANY INDIVIDUAL ZONE. THIS SHALL INCLUDE TALKBACK THRU THE TELEPHONE SYSTEM.
12. WORK WITH OWNER PRIOR TO INSTALLATION TO DESIGNATE EACH SPEAKER AND ITS ZONE CONNECTION AND NUMBER.
13. PROVIDE FOR TWO-WAY INTEGRATION TO THE EXISTING ACCESS CONTROL SYSTEM.
14. CONTACT CLOSURE (CC) OUT OF PACS TO PAGING SYSTEM WHEN LOCKDOWN BUTTON IS PUSHED. PAGING SYSTEM THEN TURNS ON BLUE LIGHT ON PAGING SPEAKERS AND SENDS PRE-RECORDED MESSAGE FOR THREE TIMES. CUSTOM RECORD MESSAGE FOR OWNER.
15. EACH CLOCK SHALL SHOW SCROLLING LOCKDOWN MESSAGE AND BLUE FLASHING LIGHT UNTIL LOCKDOWN IS RESET.
16. CONNECT PAGING SYSTEM TO PACS TO INITIATE AN ACCESS CONTROL SYSTEM LOCKDOWN WHEN PAGING SYSTEM LOCKDOWN IS PUSHED. THIS LOCKDOWN MAY ORIGINATE IN AN ADMINSTRATOR CELLPHONE THAT HAS THE REVOLUTION SOFWARE APPLICATION.
17. CREATE CUSTOM TONES FOR LOCKDOWN, TORNADO AND EVACUATE.
18. CONFIGURE THE AUTOMATIC AUDIO MESSAGES SUCH AS LOCKDOWN AND TORNADO TO "DUCK" WHEN AN ANNOUNCEMENT IS MADE FROM A TELEPHONE, DESKTOP MICROPHONE OR ADMIN STATION.
19. TORNADO WARNINGS AND SEVERE WEATHER WARNINGS: TRIGGER THIS THRU THE SOFTWARE. TORNADO AND EXTREME WEATHER SAHLL BE CONFIGURED FOR YELLOW LIGHTS AND SPECIFIC TONE TO BE REPEATED FOR AN OWNER SPECIFIED LENGTH OF TIME.

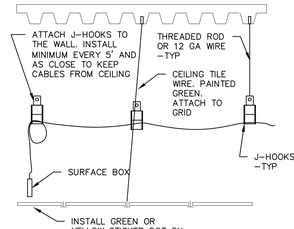
8 TC103 — AUDIO PAGING AND CLOCK SYSTEM NETWORK ATTACHED. SYSTEM DIAGRAM

ANALOG PAGING SPEAKER EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PART NO.
S21	PAGING SYSTEM SPEAKER. INDOOR/OUTDOOR HORN.	ATLAS IED	GA-30T
S22	PAGING SYSTEM SPEAKER FOR DROP CEILING INSTALLATION. EQUIP WITH WHITE GRILL AND MULTI TAPS. PROVIDE T-BAR AND BACKBOX	ATLAS IED	SD72WV

IP PAGING CLOCK/SPEAKER EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PART NO.
TA	DIGITAL IP WALL MOUNTED CLOCK WITH SPEAKER. INCLUDE TALKBACK MIC, FLASHER AND 25/70V SWITCH	ATLAS IED	IP-SDMF
TB	DIGITAL IP WALL MOUNTED CLOCK. INCLUDE FLASHER	ATLAS IED	IP-DD
TC	POE+ TO ANALOG GATEWAY ZONE CONTROLLER WITH AMPLIFIER AND RACK KIT	ATLAS IED	IPZCM1RMK

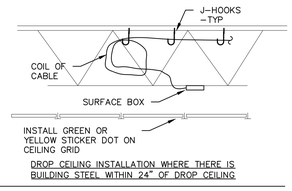


INSTALL CABLING WITH SUPPORT FROM THE CEILING

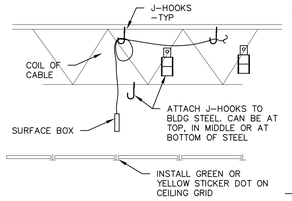
INSTALLATION NOTES:

1. CONTRACTOR SHALL INSTALL CABLE SUPPORTS TO ENSURE CABLES ARE NOT LAYING ON CONDUIT, WATERPIPE OR BUILDING STEEL.
2. CONTRACTOR SHALL INSTALL CABLE SUPPORTS SUCH AS J-HOOKS AND BRIDLE RINGS TO SUPPORT CABLE EVERY 5' MINIMUM
3. WHEN ROUTING CABLES ALONG A WALL, ABOVE A CEILING OR ABOVE 12' AFF, INSTALL J-HOOKS ON WALL EVERY 5' MINIMUM OR AS REQUIRED TO KEEP CABLES FROM RESTING ON CEILING.
4. THERE SHALL BE ABSOLUTELY NO USE OF TAPE OR TY-WRAPS ON THE CABLES. USE ONLY VELCRO STRAPS ON CABLE. DO NOT SUPPORT CABLE DIRECTLY TO CONDUITS, PIPES OR BUILDING STEEL.
5. DO NOT USE EXISTING DROP CEILING TILE WIRES TO SUPPORT CABLES. WHERE NO BUILDING STEEL OR WALL IS AVAILABLE INSTALL DROP CEILING WIRES AND ANCHOR TO BUILDING STEEL OR DIRECTLY INTO CONCRETE CEILING. ATTACH TO DROP CEILING GRID. PAINT WIRES GREEN PRIOR TO INSTALLATION.
6. INSTALL CABLE SUPPORTS DIRECTLY ABOVE THE CAMERA OR WAP LOCATION. COIL CABLE AND SUPPORT ON A J-HOOK OR BRIDLE RING. USE VELCRO TO SECURE LOOP TO THE CABLE SUPPORT.

5 TC103 — DATA CABLE DROP CEILING CABLE SUPPPORT. TYPICAL



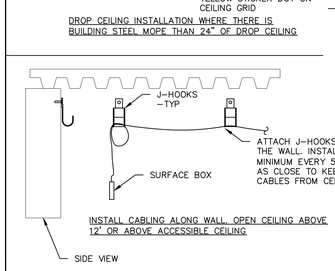
DROP CEILING INSTALLATION WHERE THERE IS BUILDING STEEL WITHIN 24" OF DROP CEILING

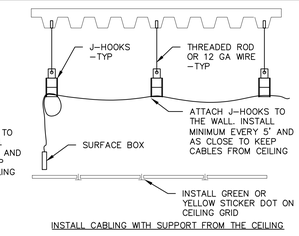


DROP CEILING INSTALLATION WHERE THERE IS BUILDING STEEL MOPE THAN 24" OF DROP CEILING

INSTALLATION NOTES:

1. CONTRACTOR SHALL INSTALL CABLE SUPPORTS TO ENSURE CABLES ARE NOT LAYING ON CONDUIT, WATERPIPE OR BUILDING STEEL.
2. CONTRACTOR SHALL INSTALL CABLE SUPPORTS SUCH AS J-HOOKS AND BRIDLE RINGS TO SUPPORT CABLE EVERY 5' MINIMUM
3. WHEN ROUTING CABLES ALONG A WALL, ABOVE A CEILING OR ABOVE 12' AFF, INSTALL J-HOOKS ON WALL EVERY 5' MINIMUM OR AS REQUIRED TO KEEP CABLES FROM RESTING ON CEILING.
4. THERE SHALL BE ABSOLUTELY NO USE OF TAPE OR TY-WRAPS ON THE CABLES. USE ONLY VELCRO STRAPS ON CABLE. DO NOT SUPPORT CABLE DIRECTLY TO CONDUITS, PIPES OR BUILDING STEEL.
5. DO NOT USE DROP CEILING TILE WIRES TO SUPPORT CABLES. WHERE NO BUILDING STEEL OR WALL IS AVAILABLE INSTALL DROP CEILING WIRES AND ANCHORT TO BUILDING STEEL OR DIRECTLY INTO CONCRETE CEILING.
6. INSTALL CABLE SUPPORTS DIRECTLY ABOVE THE CAMERA OR WAP LOCATION. COIL CABLE AND SUPPORT ON A J-HOOK OR BRIDLE RING. USE VELCRO TO SECURE LOOP TO THE CABLE SUPPORT.





INSTALL CABLING WITH SUPPORT FROM THE CEILING

6 TC103 — DATA CABLE SUPPORT DETAILS AND REQUIREMENTS

GENERAL NOTES:

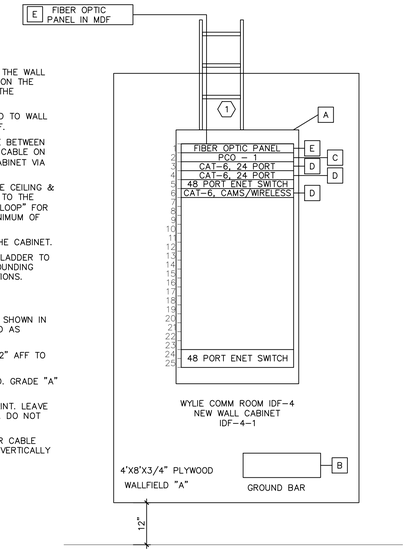
1. CABINETS SHALL BE INSTALLED DIRECTLY TO THE WALL AND PROPERLY SECURED. INSTALL PLYWOOD ON THE WALL PRIOR TO INSTALLING THE CABINET IF THE CABINET IS MOUNTED ON STUD TYPE WALL.
2. WALL MOUNTED CABINETS SHALL BE MOUNTED TO WALL SO TOP OF RACK IS NO HIGHER THAN 7' AFF.
3. INSTALL THE BACKBONE CABLES THAT ROUTE BETWEEN COMMUNICATIONS ROOMS. COIL SPARE FIBER CABLE ON THE WALL. ROUTE CABLES TO THE RACK/CABINET VIA CABLE LADDER.
4. ALL USER DATA CABLES SHALL ROUTE IN THE CEILING & THEN ROUTE DOWN VERTICAL CABLE LADDER TO THE CABINET. IN THE CABINET, PROVIDE A "DRIP LOOP" FOR ALL THE CABLES DRIP LOOP SHALL BE A MINIMUM OF ONE FOOT.
5. ROUTE CABLES ALONG THE HINGE SIDE OF THE CABINET.
6. CONNECT ALL RACKS, CABINETS AND CABLE LADDER TO THE GROUND BAR AS DESCRIBED IN THE GROUNDING DETAIL DETAIL & THE GROUNDING SPECIFICATIONS.

WALLFIELD NOTES:

A. PLYWOOD SHALL BE INSTALLED ON THE WALL SHOWN IN THE COMMUNICATIONS ROOM FLOOR PLAN AND AS DETAILED IN THIS DRAWING.
B. VERTICAL PLYWOOD SHALL BE MOUNTED AT 12" AFF TO THE BOTTOM OF THE PLYWOOD.
C. PLYWOOD SHALL BE FIRE RESISTANT PLYWOOD. GRADE "A" ON THE SIDE TOWARDS THE USER.
D. PLYWOOD SHALL BE PAINTED WITH WHITE PAINT. LEAVE ONE OF THE FIRE RESISTANT STAMPS VISIBLE. DO NOT PAINT OVER THE STAMP.
E. THE CONTRACTOR SHALL INSTALL D-RINGS OR CABLE LADDER TO ROUTE CABLES HORIZONTALLY & VERTICALLY ALONG THE WALLFIELD.

KEYED NOTES:

1. CONTRACTOR SHALL INSTALL 12" CABLE LADDER VERTICALLY FROM TOP OF CABINET OR RACK TO THE CEILING AREA FOR ROUTING USER CABLES TO THE PANELS.



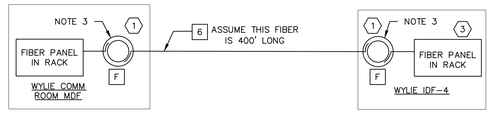
1 TC103 — COMM ROOM "IDF-4" RACK LAYOUTS

KEYED NOTES:

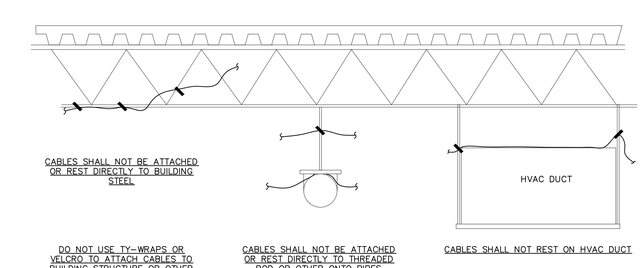
1. INSTALL FIBER OPTIC RINGS ON THE WALL OF THE COMM ROOM. PROVIDE A SPARE 30' COIL OF CABLE.
2. INSTALL FIBER CABLES THROUGH THE CONDUITS BETWEEN BUILDINGS. WHEN INSTALLING THE FIBER INSIDE THE BUILDING ENSURE IT IS ROUTED INSIDE CONDUIT. SEE ELECTRICAL PLANS FOR CONDUIT LOCATIONS
3. SEE RACK LAYOUTS FOR FIBER PANEL PARTS.

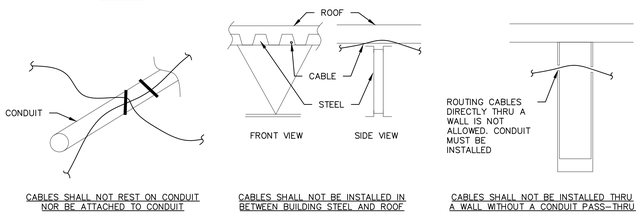
GENERAL NOTES:

1. INSTALL ALL EQUIPMENT SHOWN. THE CONTRACTOR SHALL WALK THE BUILDING AND SITE WITH THE OWNER PRIOR TO INSTALLATION TO IDENTIFY ACTUAL LOCATION OF ALL EQUIPMENT.
2. IDENTIFY LOCATION OF ALL FIBER PANELS IN THE RACKS WITH THE OWNER. PRIMARILY IDENTIFY AT THE TOP OF THE RACKS IN EACH COMM ROOM. LOCATE THE FIBER OPTIC STOWAGE RINGS ON THE WALL WITH THE DESIGNER.
3. ALL CABLES SHALL HAVE A WRAP-AROUND LABEL AT THE TERMINATION TO IDENTIFY THE CABLE AT EACH END. INSTALL AT COIL ON WALL AND WHERE THE FIBER ENTERS THE FIBER OPTIC PANEL
4. TEST ALL FIBER CABLES FOR LOSS. PROVIDE REPORTS.



2 TC103 — BUILDING FIBER BACKBONE CONNECTIVITY



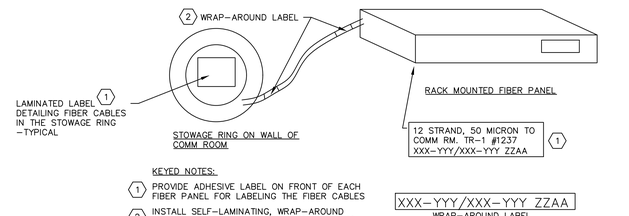


INSTALLATION NOTES:

1. CONTRACTOR SHALL INSTALL CABLES AROUND THE BUILDING AND SHALL SUPPORT CABLES AS PER NOTES, DETAILS AND INDUSTRY STANDARDS.
2. DO NOT USE ANY TY-WRAPS OR TAPE TO SUPPORT CABLES.
3. DO NOT ATTACH CABLES TO BUILDING STEEL, CONDUITS OR PIPES.
4. DO NOT INSTALL CONDUITS THRU A WALL WITHOUT INSTALLING NYLON GROMMETS TO THE END OF THE CONDUIT PASS THRUS.
5. DO NOT ALLOW CABLES TO REST ON HVAC DUCTS.

I = TIE WRAPS OR VELCRO IS NOT TO BE USED FOR DIRECT SUPPORT OF CABLES TO PIPES, STEEL OR BUILDING STRUCTURE

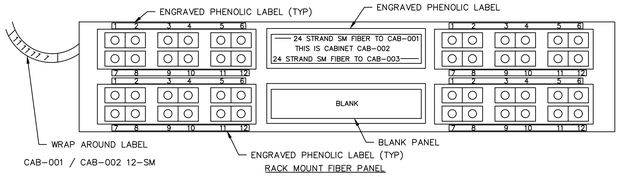
7 TC103 — CABLE INSTALLATION AND SUPPORT TYPES OF SUPPORT THAT ARE DISALLOWED



3 TC103 — FIBER OPTIC CABLE LABELING

NOTES

1. THE FIBER PANELS AT THE RACK AND AT THE EXTERIOR CABINETS SHALL BE LABELED TO IDENTIFY THE FIBER.
2. LABELS IDENTIFYING THE FIBER CABLES SHALL BE ENGRAVED LABELS WITH BLACK BACKGROUND AND WHITE LETTERS.
3. SIZE THE LABELS TO MATCH THE SIZE OF THE PANEL. PROVIDE A SAMPLE TO THE OWNER AND ENGINEER PRIOR TO PURCHASING.
4. PROVIDE A WRAP-AROUND LABEL ON THE FIBER CABLE AS IT ENTERS THE PATCH PANEL. LASER PRINTED



4 TC103 — FIBER OPTIC PANEL LABELING DETAIL
NOT TO SCALE

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PROJECT TITLE
WYLIE ELEMENTARY CLASSROOM ADDITION

Dexter Community School District

DRAWING TITLE
CABLING RACK LAYOUTS & DETAILS

ISSUE DATES

02-06-26	CONSTRUCTION DOCUMENTS

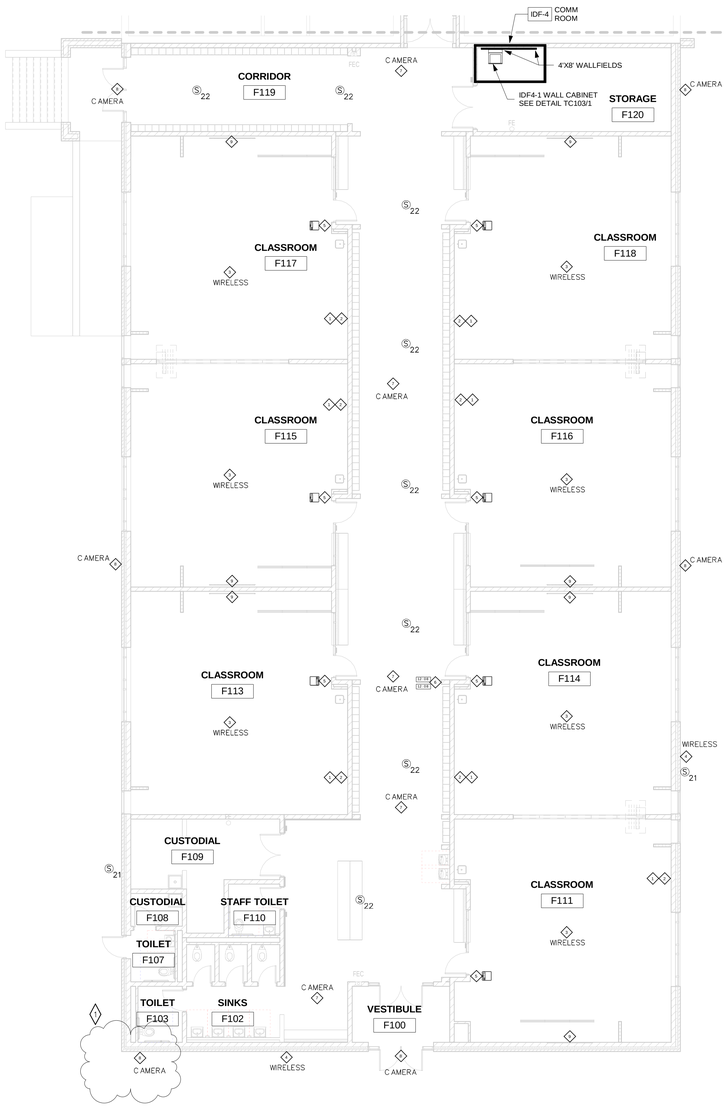
DATE:	ISSUED FOR:
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APPROVED	BWE

PROJECT NO.
25023D

DRAWING NO.
TC103

GENERAL CABLING NOTES

1. COMMUNICATIONS CONTRACTOR SHALL INSTALL ANY PASS-THRU'S REQUIRED FOR ROUTING CABLES AROUND THE BUILDING THAT ARE NOT SHOWN AS BEING INSTALLED AS PART OF THE "TR" SERIES DRAWINGS. SEE ATTACHED.
2. CONTRACTOR SHALL COMPLETE A WALK-THRU OF THE SITE DURING CONSTRUCTION AND SHALL VERIFY ALL CONDUITS AND PASS THRU'S ARE INSTALLED FOR CABLES.
3. ALL CABLES SHALL BE SUPPORTED ABOVE THE DROP CEILING BY J-HOOKS. HOOKS SHALL BE LOCATED NO LESS THAN EVERY 5 FEET.



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CONSULTANT

PROJECT TITLE

WYLIE ELEMENTARY CLASSROOM ADDITION

DRAWING TITLE

FIRST LEVEL CABLING PLAN UNIT F

N

KEY PLAN

ISSUE DATES

DATE:	ISSUED FOR:
02-25-2026	ADDENDUM #1
02-06-2026	CONSTRUCTION DOCUMENTS

DRAWN	JMS
CHECKED	BVH
APPROVED	BWE

PROJECT NO.

25023D

DRAWING NO.

TC201

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AUDIO VIDEO SYMBOL LEGEND

SYMBOL	DESCRIPTION
⟨1⟩	THIS SYMBOL WITH A NUMBER INSIDE REFERS TO KEYNOTES. REFER TO NOTES ON THE SHEET OR WITHIN THE DETAIL FOR ADDITIONAL INFORMATION
A	EQUIPMENT SCHEDULE. THIS SYMBOL WITH LETTERS INSIDE REFERS EQUIPMENT SCHEDULES, SEE DETAILS AND EQUIPMENT SCHEDULES ON TC101, TC301, TC501 AND TC701.
1	CABLE SCHEDULE. THIS SYMBOL WITH NUMBERS INSIDE REFERS EQUIPMENT SCHEDULES, SEE DETAILS AND EQUIPMENT SCHEDULES ON TC101, TC301, TC501 AND TC701.
◇ XXXX	AUDIO/VIDEO COMMUNICATIONS OUTLET. REFER TO THE ASSOCIATED AV SYSTEM DETAIL FOR REQUIREMENTS. ZZ REFERS TO HEIGHT OF OUTLET. 18" UNLESS OTHER WISE NOTED.
S ZZ X	SPEAKERS. SEE SPEAKER SCHEDULE ON TC301."X" REFERS TO SPEAKER TYPE. "ZZ" REFERS TO SPEAKER ZONE IF THIS IS A PAGING SPEAKER.
SEE TC3XX/X	AV SYSTEM DETAIL. REFER TO THIS SHEET AND DETAIL NUMBER FOR THE REQUIREMENTS OF THE AUDIO/VIDEO SYSTEM IN THIS ROOM
LCD.XX"	LCD DISPLAY. WHERE XX IS THE DIAGONAL MEASUREMENT. INCLUDE A MOUNT. SEE AV SYSTEM DETAIL AND SPECS FOR SPECIFICS

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		

SPEAKER SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PART NO.
S1	CLASSROOM AUDIO SPEAKER. DROP CEILING MOUNTED. CUSTOM CUT INTO CEILING	LIGHTSPEED	DRQ

FLAT PANEL DISPLAY EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PART NO.
XA	86" FLAT PANEL, TOUCH ENABLED. EQUIP WITH A MOUNT. VERIFY MOUNT PRIOR TO ORDERING.	NEWLINE	TT8625QELT
XB	PULL OUT MOUNT FOR FLAT PANEL 86" TO 98" DIAGONAL	CHIEF	PNRUB
XC	AT EACH DISPLAY WHERE THERE ARE DEVICES TO BE INSTALLED BEHIND THE FLAT PANEL DISPLAY, INSTALL A COMPONENT STORAGE PANEL	CHIEF	CSMP9X12

AUDIO EQUIPMENT SCHEDULE

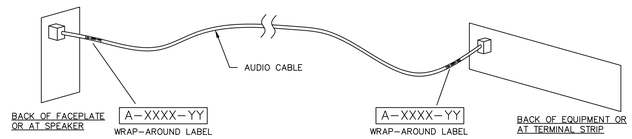
MARK	DESCRIPTION	MANUFACTURER	PART NO.
WA	AUDIO SYSTEM FOR A CLASSROOM. EQUIP WITH ALL CABLING. PROVIDE DROP CEILING SPEAKERS OR CEILING SPEAKERS DEPENDING ON CEILING TYPE. FIELD VERIFY.	LIGHTSPEED	T25-FD
WB	PLASTIC MESH CABLE PROTECTOR AND WRAP. SAMSUNG #HT4044 CABLE FLEXWRAP	TECH FLEX	F6NXX

VIDEO EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PART NO.
VA	USB AND HDMI TO CAT-6 TRANSMITTER AND RECEIVER. FACEPLATE VERSION.	C2G	C2G31029

AUDIO/VIDEO CABLE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PART NO.
31	14 AWG TWISTED PAIR DISTRIBUTED SPEAKER CABLE -PLENUM	WEST PENN	25226B
32	CAT-6 UTP CABLES FOR AUDIO/VIDEO CONNECTIVITY SHALL BE BLACK IN COLOR	MOHAWK	M58289
33	CAT-6 UTP CABLES FOR USB CONNECTIVITY SHALL BE ORANGE IN COLOR	MOHAWK	M58288



GENERAL NOTES:

1. INSTALL A WRAP-AROUND LABEL AT EACH END OF EACH CABLE.
2. WRAP-AROUND LABELS SHALL BE LASER-PRINTED AND SHALL BE SELF-LAMINATING.

A = AUDIO/VIDEO CABINET
XXXX = SPK FOR SPEAKER LINE
XXXX = LINE FOR LINE LEVEL
XXXX = MIC FOR MICROPHONE
XXXX = CTRL FOR CONTROL LINE
YY = AUDIO ZONE FOR SPEAKER
YY = FACEPLATE NUMBER FOR LINE AND MIC

1 TC301 — TYPICAL CABLE LABELING FOR AUDIO CABLES

A2

LCD PLATE

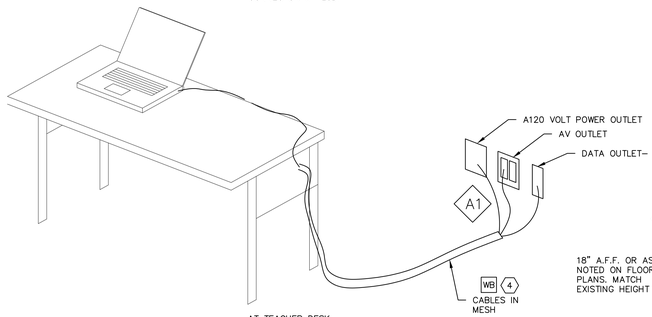
QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB20W
1	CAT-6 JACK-ORANGE	HUBBELL	HXJ6OR
1	CAT-6 PATCH CABLE-ORANGE		CONTRACTOR

A1

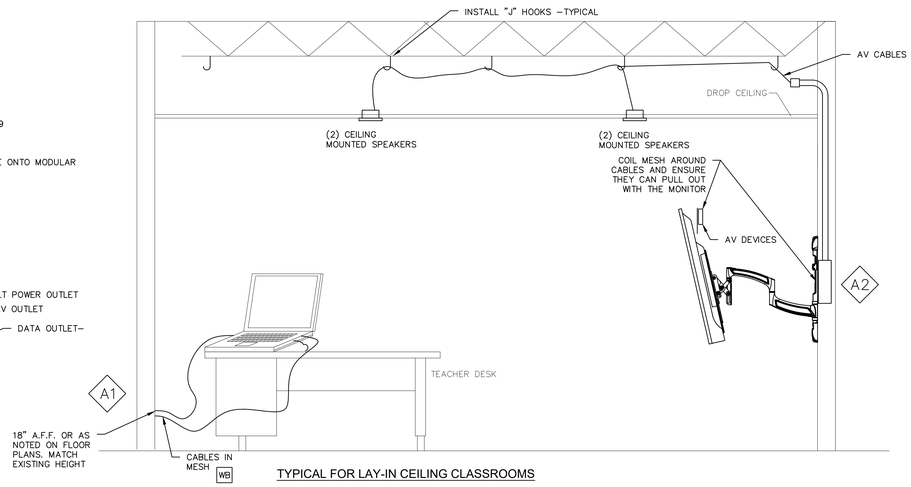
PARTS FOR TEACHER FACEPLATE

QTY	DESCRIPTION	MANUFACTURER	PART #
1	FACEPLATE-STAINLESS 2-GANG	HUBBELL	SS262
1	HDMI AND USB TRANSMIT PLATE	C2G	C2G31029
1	CAT-6 CABLE -ORANGE	MOHAWK	M58288
1	DECORA BLANK. OFFICE WHITE	HUBBELL	NS62OLA

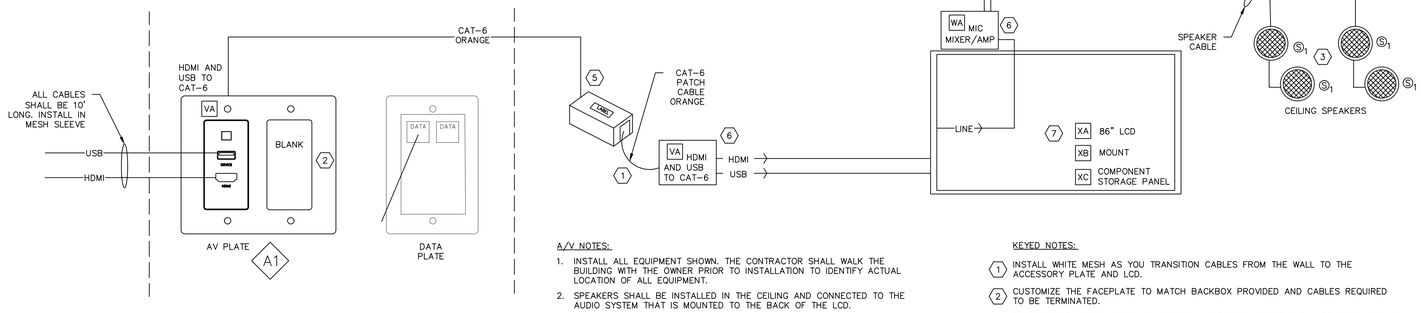
TERMINATE CAT-6 CABLE WITH AN RJ-45 AT C2G DEVICE. TERMINATE ONTO MODULAR CONNECTOR AT LCD.



AT TEACHER DESK



TYPICAL FOR LAY-IN CEILING CLASSROOMS



A/V NOTES:

1. INSTALL ALL EQUIPMENT SHOWN. THE CONTRACTOR SHALL WALK THE BUILDING WITH THE OWNER PRIOR TO INSTALLATION TO IDENTIFY ACTUAL LOCATION OF ALL EQUIPMENT.
2. SPEAKERS SHALL BE INSTALLED IN THE CEILING AND CONNECTED TO THE AUDIO SYSTEM THAT IS MOUNTED TO THE BACK OF THE LCD.
3. ALL CABLES FROM THE WALL TO THE DESK SHALL BE INSTALLED INSIDE A NYLON MESH. TY/WRAP MESH AT EACH END TO SECURE BUNDLE.
4. INSTALL ALL PATCH CABLES SHOWN. CONNECT THE DEVICES AND FULLY TEST THE SYSTEM INCLUDING ALL AUDIO AND VIDEO INPUTS AND OUTPUTS.
5. WORK WITH THE OWNER TO DETERMINE THE ACTUAL LOCATION AND HEIGHT OF THE LCD PRIOR TO INSTALLATION. OWNER TO PROVIDE ALL HARDWARE REQUIRED TO SECURELY ATTACH THE LCD TO THE WALL.
6. INSTALL ALL CABLES INCLUDING POWER CABLE FROM THE WALL TO THE DESK. ALL CABLES SHALL BE NO SHORTER THAN 10'
7. PROVIDE AND INSTALL ANY AND ALL BALUNS, ADAPTERS OR CABLES REQUIRED FOR CONNECTIVITY.

KEYED NOTES:

1. INSTALL WHITE MESH AS YOU TRANSITION CABLES FROM THE WALL TO THE ACCESSORY PLATE AND LCD.
2. CUSTOMIZE THE FACEPLATE TO MATCH BACKBOX PROVIDED AND CABLES REQUIRED TO BE TERMINATED.
3. PROVIDE SPEAKERS IN EACH CLASSROOM. CHECK TO SEE IF THEY ARE DROP CEILING OR OPEN CEILING PRIOR TO ORDERING.
4. INSTALL BLACK MESH AS YOU TRANSITION CABLES FROM THE PLATE TO TEACHER DESK.
5. INSTALL CAT-6 CABLE FOR HDMI AND USB. CONNECT TO THE DEVICE AT THE LCD. CONNECT ALL USB DEVICES. TEST CONNECTIVITY
6. INSTALL EQUIPMENT TO THE LCD MOUNT, ON THE BACK OF THE LCD DISPLAY. HIDE ALL CABLES AS MUCH AS POSSIBLE.
7. MOUNT LCD AT THE HEIGHT AS DIRECTED BY THE OWNER. MEET WITH OWNER AND DETERMINE HEIGHT. LEAVE SPARE CABLE BEHIND LCD TO ACCOMMODATE DIFFERENT HEIGHTS

2 TC301 — INTERACTIVE LCD CLASSROOM AV CONNECTIVITY

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PROJECT TITLE

WYLIE ELEMENTARY CLASSROOM ADDITION

Dexter Community School District

DRAWING TITLE

AV LEGENDS SCHEDUILES & DETAILS

ISSUE DATES

DATE:	ISSUED FOR:
02-06-26	CONSTRUCTION DOCUMENTS

DRAWN	JMS
CHECKED	BVH
APPROVED	BWE

PROJECT NO.

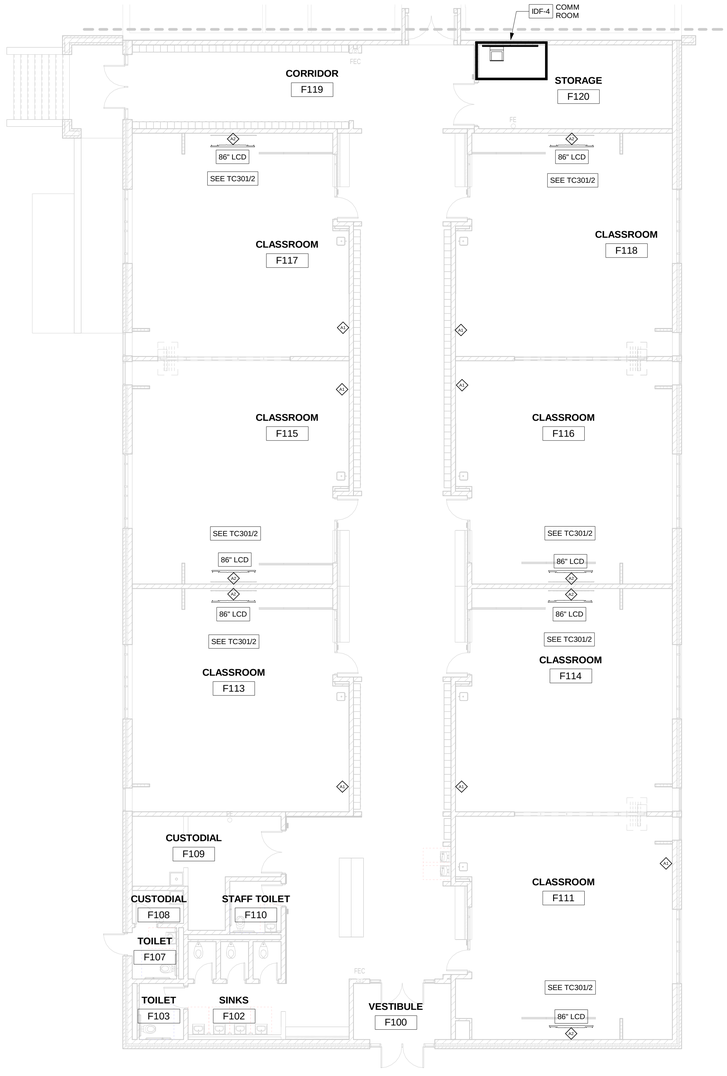
25023D

DRAWING NO.

TC301

GENERAL AV NOTES

1. AV CONTRACTOR SHALL INSTALL ANY PASS-THRU'S REQUIRED FOR ROUTING CABLES AROUND THE BUILDING. FIRESTOP ALL PASS-THRU'S TO MEET APPLICABLE CODES.
2. 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
4. ALL CABLES SHALL BE SUPPORTED ABOVE THE DROP CEILING BY J-HOOKS. HOOKS SHALL BE LOCATED NO LESS THAN EVERY 5 FEET.



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PROJECT TITLE

WYLIE ELEMENTARY CLASSROOM ADDITION

DRAWING TITLE

FIRST LEVEL AV PLAN UNIT F

KEY PLAN

ISSUE DATES

DATE:	ISSUED FOR:
02-25-2026	ADDENDUM #1
02-06-2026	CONSTRUCTION DOCUMENTS

DRAWN	JMS
CHECKED	BVH
APPROVED	BWE

PROJECT NO.

25023D

DRAWING NO.

TC401

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SECURITY SYMBOL LEGEND

SYMBOL	DESCRIPTION
(1)	THIS SYMBOL WITH A NUMBER INSIDE REFERS TO KEYNOTES. REFER TO NOTES ON THE SHEET OR WITHIN THE DETAIL FOR ADDITIONAL INFORMATION
A	EQUIPMENT SCHEDULE. THIS SYMBOL WITH LETTERS INSIDE REFERS EQUIPMENT SCHEDULES, SEE DETAILS AND EQUIPMENT SCHEDULES ON TC101, TC301, TC501 AND TC701.
1	CABLE SCHEDULE. THIS SYMBOL WITH NUMBERS INSIDE REFERS EQUIPMENT SCHEDULES, SEE DETAILS AND EQUIPMENT SCHEDULES ON TC101, TC301, TC501 AND TC701.
XX	ACCESS CONTROL SYMBOL. "XX" IS LETTERS. SEE DETAILS ON TC5XX SHEETS FOR EQUIPMENT, CABLING AND RACEWAY DETAILS.
XXX	DOOR NUMBER
SEC.PNL	SECURITY PANEL. PROVIDE PANEL AND CONNECT AS SHOWN ON FLOORPLANS AND IN THE SPECIFICATIONS.
C	SECURITY CAMERA. PROVIDE AND INSTALL A NEW SECURITY CAMERA. SEE DETAILS ON TC5XX SHEETS.
C	SECURITY CAMERA WITH 180 DEGREE VIEWING. PROVIDE AND INSTALL A NEW SECURITY CAMERA. SEE DETAILS ON TC5XX SHEETS.
C	SECURITY CAMERA WITH 360 DEGREE VIEWING, SINGLE-IMAGER. PROVIDE AND INSTALL A NEW SECURITY CAMERA. SEE DETAILS ON TC5XX SHEETS.
C C C C	SECURITY CAMERA WITH 270 OR 360 DEGREE VIEWING, MULTI-IMAGER. PROVIDE AND INSTALL A NEW SECURITY CAMERA. SEE DETAILS ON TC5XX SHEETS.

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		

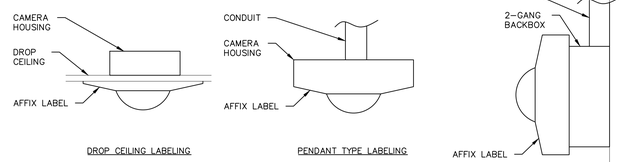
ACCESS CONTROL EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PART NO.
CA	ACCESS CONTROL SYSTEM, SOFTWARE AND ASSOCIATED/REQUIRED SERVERS	SEE SPECS	SPECS
CB	ACCESS CONTROL ENCLOSURE. BACKPLATE AND LOCKABLE PANEL	ALTRONIX	TROVE 1/2/3
CC	POWER SUPPLY FOR ACCESS CONTROL EQUIPMENT. EQUIP WITH ETHERNET CONNECTIVITY MODULE	ALTRONIX	E-FLOW SERIES W/ LINQ2 ENET MOD.
CD	POWER DISTRIBUTION BOARD AND VOLTAGE REGULATOR. POWERS OTHER BOARDS IN THE ACCESS CTRL PANEL	ALTRONIX	PDS8 SERIES WITH VR6 REGULATOR
CE	ACCESS POWER CONTROLLER	ALTRONIX	ACM58 OR EQUAL
CF	DOOR ACCESS CONTROL MODULE. IP ATTACHED. QTY AS REQUIRED	MERCURY	LP SERIES OR EQUAL
CG	DOOR ACCESS CONTROL MODULE. RS-485 ATTACHED. QTY AS REQUIRED	MERCURY	MR SERIES OR EQUAL
CH	BATTERY FOR ACCESS CONTROL PANEL	SEE SPECS	SEE SPECS

VIDEO SECURITY EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PART NO.
SA	VIDEO SECURITY NVR SERVER AND RECORDING SOFTWARE IS EXISTING.	SEE SPECS	SEE SPECS
SB	INTERIOR/EXTERIOR IP CAMERA. 4K RESOLUTION MOUNT AS SHOWN. SEE DETAILS AND SPECIFICATIONS. SEAL AROUND CONDUIT AND MOUNT.-OBJECT ANALYTIC, INTEGRATED WITH THE VMS FOR DETECTING AND SEARCHING BASED UPON SPECIFICS SUCH AS PERSON/VEHICLE/COLOR OF CLOTHES AND COLOR OF VEHICLE	DIGITAL WATCHDOG	DWC-XSDE08Mi
SC	360 DEGREE CAMERA-SINGLE IMAGER. INTERIOR/EXTERIOR. 9 MEGAPIXEL.-OBJECT ANALYTIC, INTEGRATED WITH THE VMS FOR DETECTING AND SEARCHING BASED UPON SPECIFICS SUCH AS PERSON/VEHICLE/COLOR OF CLOTHES AND COLOR OF VEHICLE	DIGITAL WATCHDOG	DWC-PVF9Di2TW
SD	360 DEGREE CAMERA -FOUR (4) SEPARATE IMAGERS, 20 MEGAPIXEL EACH. 270 COVERAGE WITH A DOWNWARDS FACING CAMERA. INDOOR/OUTDOOR. -OBJECT ANALYTIC, INTEGRATED WITH THE VMS FOR DETECTING AND SEARCHING BASED UPON SPECIFICS SUCH AS PERSON/VEHICLE/COLOR OF CLOTHES AND COLOR OF VEHICLE	DIGITAL WATCHDOG	DWC-PVX20WATX
SE	180 DEGREE CAMERA -MULTIPLE IMAGERS INDOOR RATED. -OBJECT ANALYTIC, INTEGRATED WITH THE VMS FOR DETECTING AND SEARCHING BASED UPON SPECIFICS SUCH AS PERSON/VEHICLE/COLOR OF CLOTHES AND COLOR OF VEHICLE	DIGITAL WATCHDOG	DWC-XSWA08Bi
SF	180 DEGREE CAMERA -MULTIPLE IMAGERS OUTDOOR RATED. -OBJECT ANALYTIC, INTEGRATED WITH THE VMS FOR DETECTING AND SEARCHING BASED UPON SPECIFICS SUCH AS PERSON/VEHICLE/COLOR OF CLOTHES AND COLOR OF VEHICLE	DIGITAL WATCHDOG	DWC-XSBC08Bi
SG	MONITORING PC IS EXISTING.	SEE SPECS	SEE SPECS

NOTES:
1. INSTALL A SELF-ADHESIVE, LASER PRINTER LABEL TO THE CAMERA THAT IS VISIBLE FROM BELOW THE DROP CEILING.
2. LABEL SHALL BE OF STRONG ADHESIVE TO ATTACH TO CAMERA HOUSING. LABEL SHALL MATCH THE CAMERA NUMBER IN THE SOFTWARE.
3. DEMONSTRATE TO THE DESIGNER THE LABEL AND WHERE THE LABEL WILL BE AFFIXED TO EACH CAMERA PRIOR TO INSTALLATION. AFFIX A LABEL TO EACH CAMERA



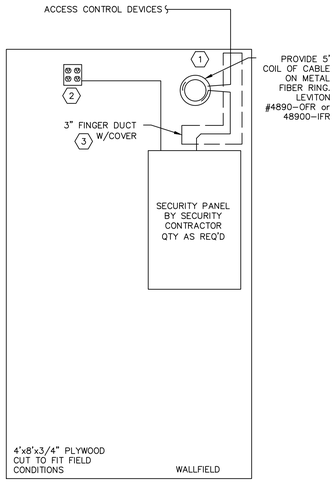
XX-DDD
ADHESIVE CAMERA LABEL

XX = BUILDING NAME
DDD = CAMERA NUMBER

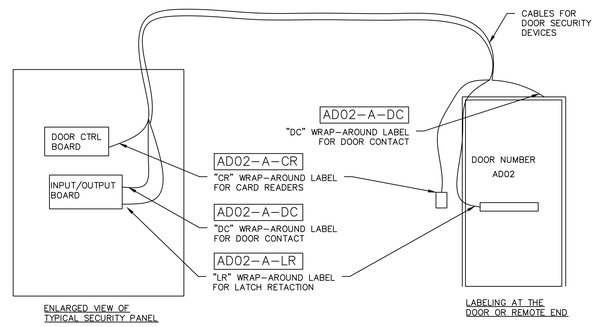
1 TC501 CAMERA LABELING VISIBLE PORTION OF THE BUILDING

SECURITY PANEL WALLFIELD NOTES:
1. PLYWOOD SHALL BE INSTALLED ON THE WALL BEHIND THE PANELS AND RACEWAYS.
2. PLYWOOD SHALL BE FIREPROOF, A/C GRADE, C SIDE TO THE WALL.
3. INSTALL "FINGER-DUCT" TYPE RACEWAY OR D-RINGS TO ROUTE THE CABLES FROM THE CEILING TO THE PANELS.
4. MOUNT THE PANELS SO THAT THE TOP OF THE PANELS IS ABOUT 6' AFF.
5. CONNECT SECURITY PANELS TO A GROUND BAR. PROVIDE GROUND BAR ON THE WALLFIELD.

KEYED NOTES:
(1) PROVIDE 5' OF CABLE PRIOR TO TERMINATION IN THE SECURITY PANEL. PROVIDE ON A FIBER OPTIC METAL RING. INSTALL ABOVE THE PANELS. PROVIDE ONE FOR EACH PANEL. GROUP PANEL CABLES ONTO PANEL SPECIFIC RING.
(2) EXTEND 120V POWER TO THE POWER SUPPLIES IN THE PANELS. HARDWIRE ALL CONNECTIONS. PROVIDE CONDUIT AND WIRING FROM CLOSEST CIRCUIT.
(3) PROVIDE SUPPORT FOR THE CABLES WITH "FINGER-DUCT" OR OTHER RACEWAY.



3 TC501 TYPICAL SECURITY WALLFIELD
NO SCALE



AD02 = DOOR NUMBER AS SHOWN ON DRAWINGS
A = COMM ROOM WHERE PANEL RESIDES
LR = TWO LETTER DESIGNATION FOR DEVICE THAT THE CABLE CONNECTS TO.

NOTES:
1. INSTALL A WRAP-AROUND LABEL AT EACH END OF EACH CABLE.
2. WRAP-AROUND LABELS SHALL BE LASER-PRINTED AND BE SELF-LAMINATING.
3. AT THE PANEL THE CABLE SHALL BE LABELED AS IT CONNECTS TO THE PANEL LABEL INDIVIDUAL SHEATHED CABLES IN A MULTI-SERVICE CABLE.
4. AT THE DOOR INSTALL THE LABEL AT THE DEVICE WHERE IT IS CONNECTED.

2 TC501 TYPICAL ACCESS CONTROL CABLE LABELING

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PROJECT TITLE
WYLIE ELEMENTARY CLASSROOM ADDITION

Dexter Community School District

DRAWING TITLE
SECURITY LEGENDS SCHEDUILES & DETAILS

ISSUE DATES

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OPERATION SEQUENCE WHEN THE DOORS ARE LOCKED ENTERING FROM OUTSIDE –VALID ID CARD

1. IF THE PERSON PRESENTS A VALID CARD THEN THE LATCH SHALL RETRACT INSIDE THE EXTERIOR DOOR
.
2. THE SECURITY SYSTEM SHALL ALLOW THE EXTERIOR PUSH BUTTON TO BE ENERGIZED. ONCE THE PUSH BUTTON IS ENERGIZED THEN THE EXTERIOR DOOR SHALL BE OPENED OF THE BUTTON IS PUSHED.

3. THE EXTERIOR AUTO OPENER CONTROL BOARD SHALL COMMUNICATE TO THE CONTROL BOARD OF THE INTERIOR DOOR AND THAT DOOR SHALL OPEN.

OPERATION SEQUENCE WHEN THE DOORS ARE UNLOCKED ENTERING FROM OUTSIDE

1. THE LATCH BOLT MONITOR SHALL NOTE THAT THE LATCH IS RETRACTED AND SHALL COMMUNICATE THAT INFORMATION TO THE CONTROL BOARD IN THE AUTO OPENER.

2. THE CONTROL BOARD SHALL ALLOW THE EXTERIOR PUSH BUTTON TO BE ENERGIZED. ONCE THE PUSH BUTTON IS ENERGIZED THEN THE EXTERIOR DOOR SHALL BE OPENED OF THE BUTTON IS PUSHED.

3. THE EXTERIOR AUTO OPENER CONTROL BOARD SHALL COMMUNICATE TO THE CONTROL BOARD OF THE INTERIOR DOOR AND THAT DOOR SHALL OPEN.

OPERATION SEQUENCE WHEN THE DOORS ARE LOCKED ENTERING FROM OUTSIDE –NO CARD OR INVALID CARD

1. IF THE PERSON PUSHES THE EXTERIOR OPENER BUTTON THEN THE AUTO OPENER SHALL NOT ENGAGE BECAUSE THE OPENER BUTTON IS NOT ENERGIZED.

2. THE EXTERIOR OPENER BUTTON IS NOT ENERGIZED UNLESS THE LATCH BOLT MONITOR NOTES THAT THE LATCH IS RETRACTED.

OPERATION SEQUENCE WHEN THE DOORS ARE LOCKED, EXITING FROM INTERIOR

1. WHEN A PERSON PUSHES THE INTERIOR OPENER BUTTON THEN THAT SHALL COMMUNICATE WITH THE INTERIOR AUTO OPENER AND OPEN THAT DOOR.

2. THE CONTROL BOARD OF THE INTERIOR AUTO OPENER SHALL COMMUNICATE WITH THE CONTROL BOARD OF THE EXTERIOR AUTO OPENER AND NOTE THAT THE INTERIOR OPENER BUTTON HAS BEEN PRESSED.

3. THE CONTROL BOARD OF THE EXTERIOR AUTO OPENER SHALL COMMUNICATE WITH THE ACCESS CONTROL SYSTEM AND INSTRUCT IT TO RETRACT THE LATCH ON THE EXTERIOR DOOR.

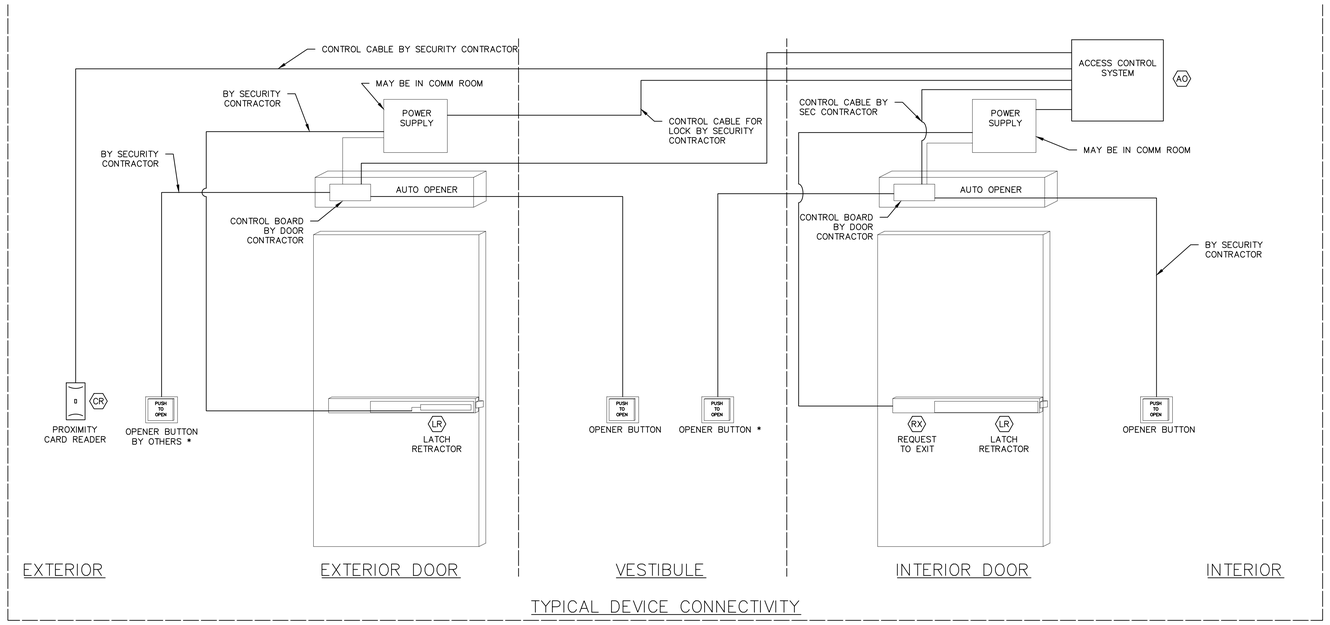
4. THE EXTERIOR CONTROL BOARD SHALL WAIT A SET NUMBER OF SECONDS AND THEN IT SHALL ENGAGE THE EXTERIOR AUTO OPENER TO OPEN THE EXTERIOR DOOR.

OPERATION SEQUENCE WHEN THE DOORS ARE LOCKED, EXITING FROM VESTIBULE

1. WHEN A PERSON PUSHES THE VESTIBULE OPENER BUTTON THEN THAT SHALL COMMUNICATE WITH THE INTERIOR AUTO OPENER AND OPEN THAT DOOR. IT SHALL ALSO COMMUNICATE WITH THE CONTROL BOARD OF THE EXTERIOR AUTO OPENER.

2. THE CONTROL BOARD OF THE EXTERIOR AUTO OPENER SHALL COMMUNICATE WITH THE ACCESS CONTROL SYSTEM AND INSTRUCT IT TO RETRACT THE LATCH ON THE EXTERIOR DOOR.

3. THE EXTERIOR CONTROL BOARD SHALL WAIT A SET NUMBER OF SECONDS AND THEN IT SHALL ENGAGE THE EXTERIOR AUTO OPENER TO OPEN THE EXTERIOR DOOR.
4.



TYPICAL DEVICE CONNECTIVITY

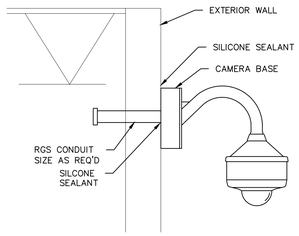
GENERAL NOTE:

- THE OUTSIDE OPENER BUTTON WILL BE ENABLED & DISABLED BY THE ACCESS CONTROL SYSTEM. THE BUTTONS WILL BE ENABLED WHEN THE DOOR IS UNLOCKED.

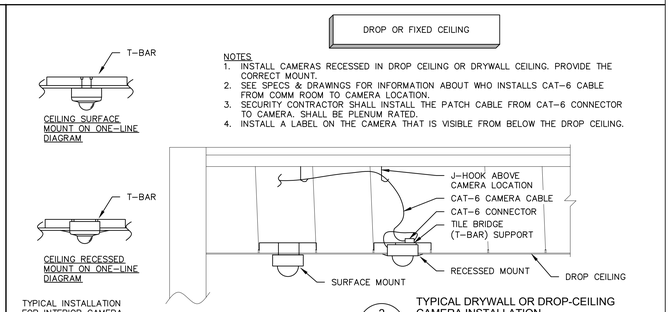
1 / TC502 — ADA DOOR OPENER & ACCESS CONTROL INTEGRATION DIAGRAM

NOTES

1. CORE THROUGH EXTERIOR WALL TO INSTALL A CONDUIT FROM THE INTERIOR TO THE EXTERIOR CAMERA BACKBOX.
2. CONDUIT SHALL BE NO SMALLER THAN 3/4" TRADE SIZE. INSTALL A NYLON GROMMET ON END OF CONDUIT.
3. SEAL AROUND CAMERA BASE WITH CLEAR SILICONE SEALANT. SEAL AROUND CONDUIT ON EXTERIOR WITH SEALANT.
4. ATTACH CAMERA BASE TO THE BUILDING WITH MECHANICAL CONNECTORS.



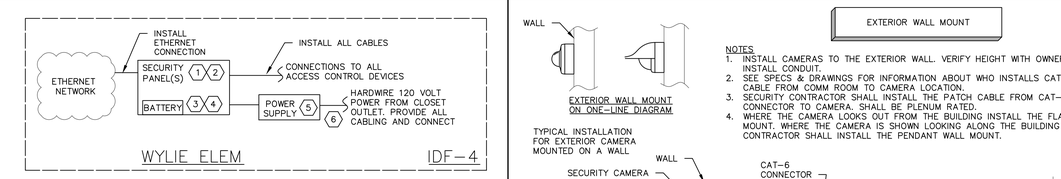
4 / TC502 — CAMERA THROUGH WALL RACEWAY & SEALANT DETAIL



NOTES
1. INSTALL CAMERAS RECESSED IN DROP CEILING OR DRYWALL CEILING. PROVIDE THE CORRECT MOUNT.
2. SEE SPECS & DRAWINGS FOR INFORMATION ABOUT WHO INSTALLS CAT-6 CABLE FROM COMM ROOM TO CAMERA LOCATION.
3. SECURITY CONTRACTOR SHALL INSTALL THE PATCH CABLE FROM CAT-6 CONNECTOR TO CAMERA. SHALL BE PLENUM RATED.
4. INSTALL A LABEL ON THE CAMERA THAT IS VISIBLE FROM BELOW THE DROP CEILING.

TYPICAL INSTALLATION FOR INTERIOR CAMERA IN A DROP CEILING OR FIXED CEILING.

2 / TC502 — TYPICAL DRYWALL OR DROP-CEILING CAMERA INSTALLATION



CONNECTIVITY NOTES:

1. PROVIDE THE QUANTITY OF EACH ITEM AS SHOWN ON THE DRAWINGS.
2. THE COMMUNICATIONS CONTRACTOR SHALL WORK WITH THE OWNER TO CONFIGURE THE SYSTEM TO MEET THE OWNERS REQUIREMENTS.
3. CABLES FOR CONNECTION FROM THE ACCESS CONTROL PANELS SHALL BE PLENUM RATED.
4. CONTRACTOR SHALL PROVIDE ALL CABLING FOR CONNECTION OF NEW SECURITY DEVICES. THE CABLES SHALL BE THE SAME COLOR. COORDINATE CABLE COLOR WITH OTHER CONTRACTORS SO THAT THE SECURITY CABLES ARE A UNIQUE COLOR.
5. ALL CABLES SHALL BE LABELED AT EACH END. LABEL THEM WITH THE DOOR NUMBER AND THEN FOR THE DEVICE TO WHICH THEY CONNECT. IN EXAMPLE: P124–DC.
6. THE CONTRACTOR SHALL INCLUDE SUFFICIENT TIME INTO THE PROJECT TO CUSTOM CONFIGURE THE ACCESS CONTROL SYSTEM TO INTERFACE AND CONTROL EACH SYSTEM SHOWN ON THE DIAGRAM AND DESCRIBED IN THE SPECIFICATIONS.
7. PROVIDE THE QUANTITY OF BADGES/FOBS/MOBILE CREDENTIALS AS NOTED. PRINT ALL PROXIMITY CARDS AS PER THE OWNERS DIRECTION.

KEYED NOTES:

1. ACCESS CONTROL PANELS SHALL BE LOCATED WHERE SHOWN ON THE DRAWINGS. CONNECT ALL DEVICES TO THESE PANELS. ALSO PROVIDE CABLING TO CONNECT THE PANELS TO THE ETHERNET SWITCHES IN THE RACKS.
2. WHERE MORE THAN ONE PANEL IS AT THE SAME LOCATION, THE CONTRACTOR CAN CONNECT ONE PANEL TO THE ETHERNET NETWORK AND CONNECT THE OTHER PANELS TO THE ETHERNET CONNECTED PANEL.
3. THERE WILL BE PANELS IN ONE OR MORE COMMUNICATIONS ROOMS. SEE THE FLOORPLANS FOR SUGGESTED PANEL LOCATIONS. INSTALL PANELS AS NOTED AND AS REQUIRED FOR COMPLETE CONNECTIVITY. CONNECT TO THE DATA NETWORK AND OTHER ACCESS CONTROL PANELS.
4. INSTALL BATTERY BACKUP TO EACH PANEL TO SUPPORT DURING A SHORT POWER OUTAGE. SEE SPECIFICATIONS FOR BATTERY BACKUP REQUIREMENTS.
5. THE CONTRACTOR SHALL PROVIDE A POWER SUPPLY IN THE COMMUNICATIONS ROOM TO POWER ALL THE DOOR HARDWARE.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTING THE PANELS TO 120 VOLT POWER. CONNECT WITH A HARDWIRED CONNECTION. PROVIDE CABLING AND CONDUIT/BOXES FOR CONNECTIVITY.

5 / TC502 — ACCESS CONTROL DIAGRAM

NOTES
1. INSTALL CAMERAS TO THE EXTERIOR WALL. VERIFY HEIGHT WITH OWNER. INSTALL CONDUIT.
2. SEE SPECS & DRAWINGS FOR INFORMATION ABOUT WHO INSTALLS CAT-6 CABLE FROM COMM ROOM TO CAMERA LOCATION.
3. SECURITY CONTRACTOR SHALL INSTALL THE PATCH CABLE FROM CAT-6 CONNECTOR TO CAMERA. SHALL BE PLENUM RATED.
4. WHERE THE CAMERA LOOKS OUT FROM THE BUILDING INSTALL THE FLAT WALL MOUNT. WHERE THE CAMERA IS SHOWN LOOKING ALONG THE BUILDING THE CONTRACTOR SHALL INSTALL THE PENDANT WALL MOUNT.

3 / TC502 — EXTERIOR WALL MOUNT CAMERA DETAILS

NOT TO SCALE

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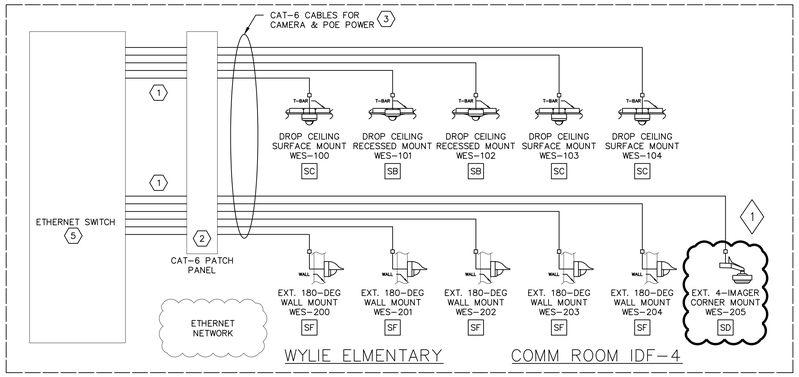
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REFER TO THE PLANS FOR CAMERA LOCATIONS

GENERAL VIDEO SECURITY NOTES:

1. CONTRACTOR SHALL PROVIDE ALL PATCH CABLES AT THE CAMERA AND AT THE COMM ROOM. MATCH COLOR OF CAMERA CABLE. 12" LONG AT SWITCH. 10' AT THE CAMERA
2. THE CONTRACTOR SHALL SUPPLY ANY & ALL BALUNS, COUPLERS ADAPTERS & CONVERTERS THAT ARE REQUIRED FOR THE INTER-CONNECTION OF ALL THE SECURITY COMPONENTS.
3. CONTRACTOR SHALL PROVIDE THE CORRECT CAMERA MOUNT BASED ON CAMERA LOCATION AND STRUCTURE AVAILABLE. VERIFY CAMERA LOCATION PRIOR TO ORDERING MOUNTS AND CAMERAS.
4. CAMERAS IN DROP CEILINGS SHALL BE RECESSED MOUNT. PROVIDE BACKPLATE OR T-BAR FOR SUPPORT FROM GRID, NOT JUST THE TILE.
5. WHERE THE CAMERA IS NOT INSTALLED INTO A DROP CEILING THE CONTRACTOR SHALL PROVIDE A MOUNT AND HOUSING. PROVIDE WEATHERPROOF MOUNTS ON EXTERIOR CAMERAS.
6. EXTERIOR CAMERAS SHALL BE RATED FOR OUTDOOR INSTALLATION AND SHALL PROVIDE THEIR OWN HEAT.
7. CONTRACTOR SHALL MEET WITH THE OWNER AND DETAIL ALL THE CAPABILITIES OF THE SYSTEM. THE CONFIGURATION OF THE RECORDER AND CAMERAS SHALL BE BASED ON THESE MEETINGS WITH THE OWNER. TAKE NOTES DURING THE MEETINGS. SUBMIT WITH AS-BUILTS
8. CONTRACTOR SHALL PROVIDE THE CORRECT LENS TO EACH CAMERA BASED ON THE INSTALLED LOCATION AND THE OWNERS REQUIREMENTS FOR THE FIELD OF VIEW. WORK WITH THE OWNER DURING INSTALLATION.
9. ALL CAMERAS SHALL CONNECT TO THE IP NETWORK SWITCH IN THE COMMUNICATIONS ROOM. CONTRACTOR SHALL WORK WITH THE OWNER ON CONFIGURATION OF THE ETHERNET SWITCH.
10. PRIOR TO CAMERA INSTALLATION THE CONTRACTOR SHALL CONDUCT A "GREEN-TAPE" WALK-THRU OF THE SITES WITH THE OWNER AND IDENTIFY ALL CAMERA LOCATIONS AND INSTALL TAPE AT EACH CAMERA LOCATION.
11. NETWORK VIDEO RECORDER(S) (NVR) IS EXISTING. CONTRACTOR SHALL PROVIDE AND CONFIGURE ALL VMS AND SYSTEM SOFTWARE REQUIRED. EXISTING SYSTEM IS DIGITAL WATCHDOG.

KEYED VIDEO SECURITYNOTES:

1. PROVIDE ALL PATCH CABLES REQUIRED FOR CONNECTION OF ALL CAMERAS AT THE CAMERA AND AT THE NETWORK SWITCH. ALL PATCH CABLES SHALL BE MATCH CABLE COLOR
2. LABEL THE CAT-6 PATCH PANEL WITH THE CAMERA NUMBER THE CABLE CONNECTS TO. SHALL BE LASER PRINTED. SEE SPECS
3. SEE SPECIFICATIONS AND BID SCOPES TO DETERMINE WHICH CONTRACTOR IS TO INSTALL AND TERMINATE THE CAT-6 CABLES USED FOR SECURITY CAMERAS.
4. THE SERVER(S) ARE EXISTING. CONTRACTOR SHALL LOAD ALL SOFTWARE REQUIRED TO RECORD AND MANAGE ALL CAMERAS THROUGHOUT THE BUILDINGS. PROVIDE THE QUANTITY OF SERVERS AND STORAGE AS REQUIRED TO RECORD AND VIEW ALL CAMERAS AS PER THE SPECIFICATIONS
5. THE SECURITY CONTRACTOR SHALL MEET WITH THE OWNER TO CONFIRM ALL NETWORK SPECIFICATION REQUIREMENTS FOR A VLAN OR OTHER QUALITY OF SERVICE SETTINGS FOR THE CAMERA SYSTEM

2 TC503 VIDEO SECURITY DIAGRAM WYLIE ELEMENTARY

ACCESS CONTROL READER DETAILS

CR — CARD READER – INSTALL TO THE BACKBOX OR IN THE DOOR FRAME. COORDINATE IN FIELD PRIOR TO ORDERING. WIRE TO SECURITY SYSTEM

ACCESS CONTROL LOCK DETAILS

LR — LATCH RETRACTION DEVICE – THIS DEVICE IS AN ELECTRONIC PUSHBAR ON THE SECURE SIDE OF THE DOOR. WIRE FROM THIS DEVICE, THROUGH THE DOOR HINGETO THE POWER SUPPLY IN THE COMMUNICATIONS ROOM. PROVIDE POWER SUPPLY

ASSISTED OPENER DETAILS

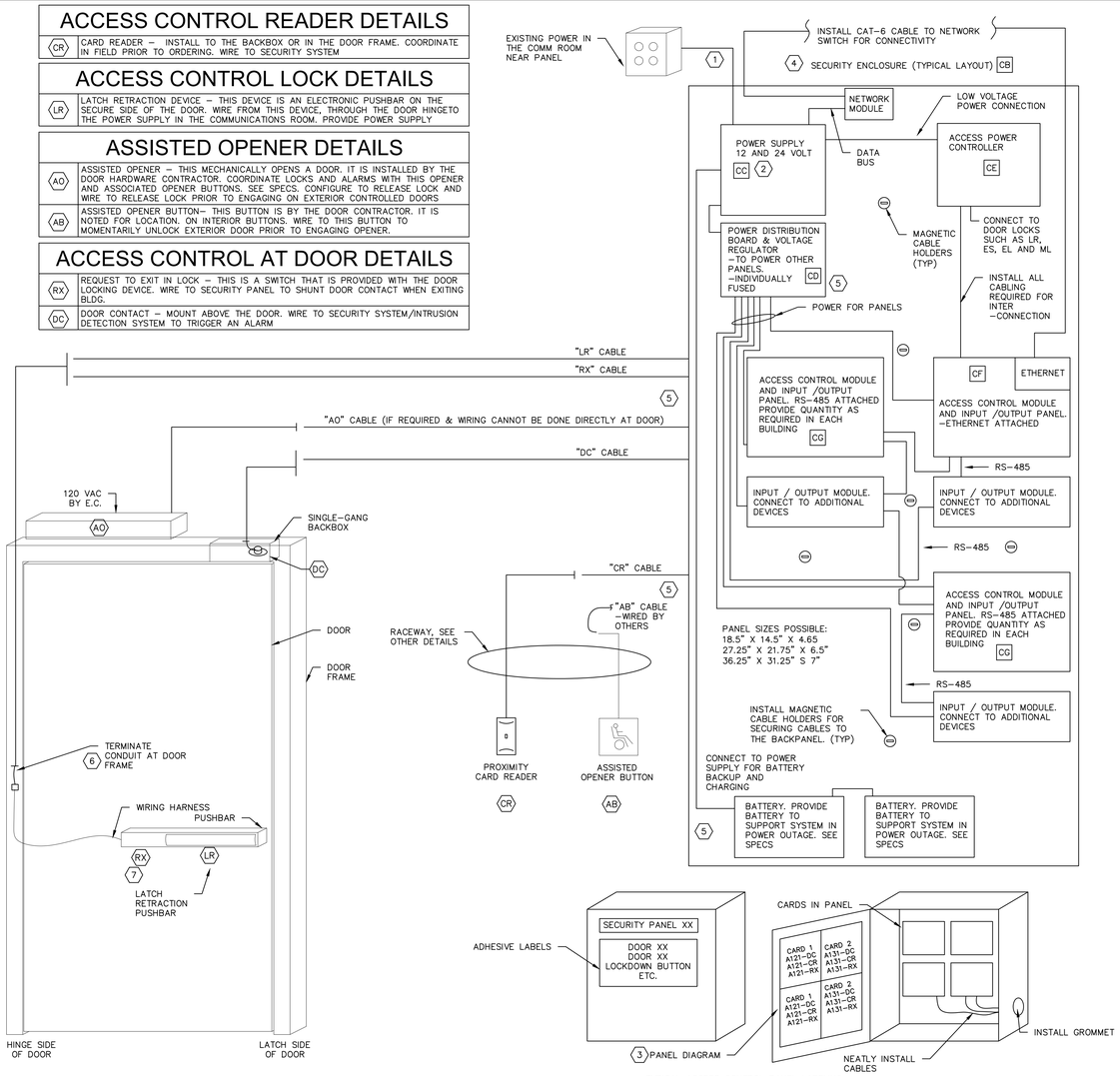
AO — ASSISTED OPENER – THIS MECHANICALLY OPENS A DOOR. IT IS INSTALLED BY THE DOOR HARDWARE CONTRACTOR. COORDINATE LOCKS AND ALARMS WITH THIS OPENER AND ASSOCIATED OPENER BUTTONS. SEE SPECS. CONFIGURE TO RELEASE LOCK AND WIRE TO RELEASE LOCK PRIOR TO ENGAGING ON EXTERIOR CONTROLLED DOORS

AB — ASSISTED OPENER BUTTON– THIS BUTTON IS BY THE DOOR CONTRACTOR. IT IS NOTED FOR LOCATION. ON INTERIOR BUTTONS. WIRE TO THIS BUTTON TO MOMENTARILY UNLOCK EXTERIOR DOOR PRIOR TO ENGAGING OPENER.

ACCESS CONTROL AT DOOR DETAILS

RX — REQUEST TO EXIT IN LOCK – THIS IS A SWITCH THAT IS PROVIDED WITH THE DOOR LOCKING DEVICE. WIRE TO SECURITY PANEL TO SHUNT DOOR CONTACT WHEN EXITING BLDG.

DC — DOOR CONTACT – MOUNT ABOVE THE DOOR. WIRE TO SECURITY SYSTEM/INTRUSION DETECTION SYSTEM TO TRIGGER AN ALARM



GENERAL NOTES:

1. SEE OTHER DETAILS FOR RACEWAY REQUIREMENTS FOR ALL CABLING AND DEVICES. REFER TO THE PLAN DRAWINGS FOR THE SPECIFIC FIELD DEVICE AND WHERE IT IS TO BE INSTALLED.
2. AT SOME LOCATIONS THE CARD READER WILL HAVE TO BE INSTALLED INTO THE DOOR FRAME. PROVIDE A FRAME TYPE READER AT THESE LOCATIONS. VERIFY PRIOR TO ORDERING EQUIPMENT.
3. ALL SECURITY DEVICES SHALL BE WIRED DIRECTLY BACK TO THE SECURITY SYSTEM (ACCESS CONTROL) PANELS OR INTRUSION DETECTION PANEL. LOCATE PANELS ON THE WALLS OF COMMUNICATIONS ROOMS OR AS SHOWN ON THE FLOOR PLANS. SEE OTHER DETAILS FOR MOUNTING AND RACEWAY REQUIREMENTS FOR CABLING.
4. PROVIDE ALL SECURITY CABLES AND ALL SECURITY PANELS REQUIRED FOR CONNECTIVITY OF THE SYSTEM. SHALL BE PLENUM RATED IN PLENUM AREAS.
5. LABEL THE OUTSIDE OF THE PANEL FOR THE DOORS AND DEVICES THAT ARE CONNECTED INSIDE THE PANEL. PROVIDE A PANEL DIAGRAM INSIDE THE PANEL THAT SHOWS THE CARDS AND WHAT IS CONNECTED TO EACH PORT ON THE CARDS.
6. PROVIDE MAGNETIC CABLE SUPPORTS THROUGHOUT THE PANEL FOR SUPPORT OF CABLES AS THEY ROUTE BETWEEN CARDS IN THE PANEL.
7. INCLUDE NYLON OR PLASTIC GROMMETS IN THE PANELS WHERE CABLES ROUTE INTO THE PANELS.
8. CONNECT BATTERIES TO THE PANEL TO SUPPORT THE PANEL AND DEVICES FOR A SHORT POWER OUTAGE.

KEYED ACCESS CONTROL NOTES:

1. CONTRACTOR SHALL EXTEND POWER FROM EXISTING OUTLET TO THE POWER SUPPLIES ON THE WALL/IN THE PANEL. PROVIDE ALL RACEWAY AND WIRING FOR EXTENSION OF POWER. MAKE ALL CONNECTIONS
2. PROVIDE A POWER SUPPLY TO SUPPORT THE SECURITY PANELS AND ALL END USER DEVICES SUCH AS LOCKS, STROBES, REQUEST TO EXIT DEVICES, ALARMS ETC.
3. AFFIX A CUSTOM SHEET OF PAPER INSIDE THE PANEL DOOR THAT SHOWS WHAT DOORS OR DEVICES ARE CONNECTED TO EACH PANEL. LAMINATE OR INSTALL IN A PLASTIC SLEEVE.
4. CUT HOLE IN PANEL TO SUPPORT CABLE INSTALLATION. INSTALL A NYLON OR PLASTIC GROMMET IN THE PANEL.
5. CONNECT ALL CABLES AND DEVICES TO THE CONTROLLERS/BOARDS WITHIN THE PANEL THAT IS REQUIRED FOR CONNECTIVITY AND SYSTEM OPERATION. PROVIDE A COIL OF 5' OF CABLE ABOVE THE PANEL ON THE WALL.
6. FOR AN EL OR LR DEVICE THE DOOR HARDWARE SUPPLIER WILL PROVIDE A WIRING HARNESS FROM THE LOCK THROUGH THE HINGE AND INTO THE DOOR FRAME. SECURITY CONTRACTOR TO WIRE FROM PANEL OR POWER SUPPLY TO THE WIRING HARNESS.
7. CONNECT TO THE REQUEST TO EXIT (RX) TO SHUNT ALARM. SHALL BE MOUNTED TO THE SECURE SIDE OF THE DOOR.

TYPICAL ACCESS CONTROL PANEL LABELING

1 TC503 DOOR HARDWARE & SECURITY EQUIPMENT CONNECTIVITY REQUIREMENTS

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PROJECT TITLE

WYLIE ELEMENTARY CLASSROOM ADDITION

Dexter Community School District

DRAWING TITLE

DOOR HARDWARE SECURITY DETAILS

ISSUE DATES

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02-06-26	CONSTRUCTION DOCUMENTS

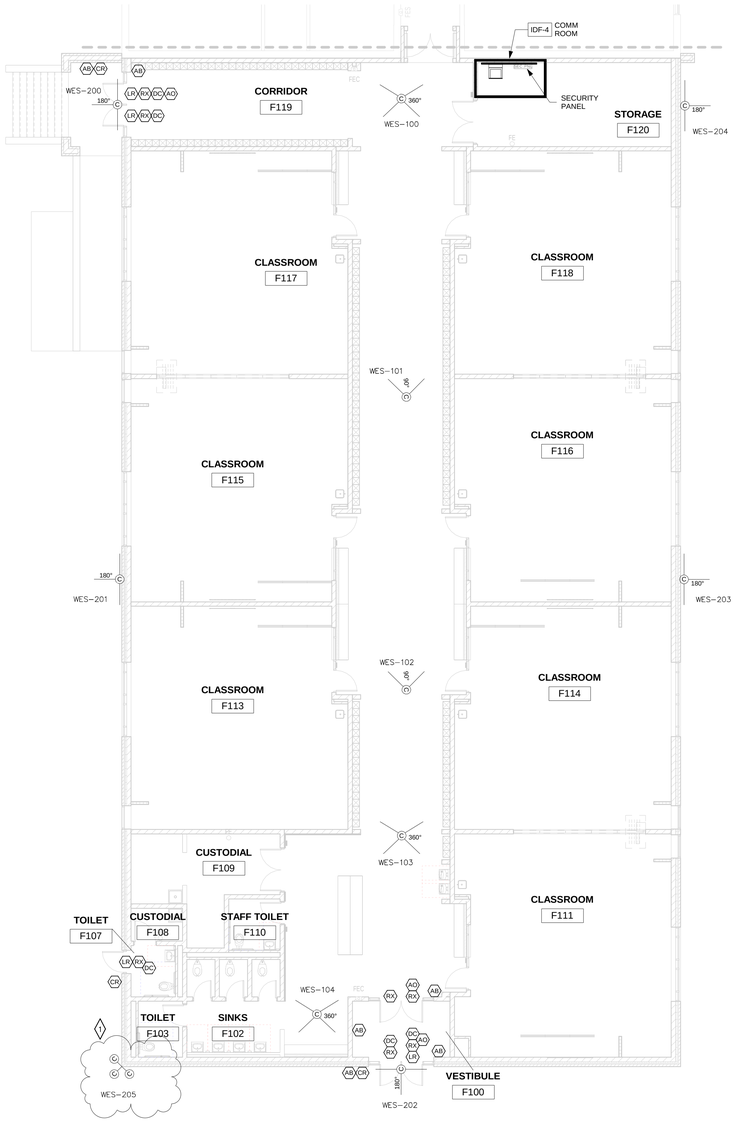
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GENERAL SECURITY NOTES

1. SECURITY CONTRACTOR SHALL INSTALL ANY CONDUITS & PASS-THRU'S REQUIRED FOR ROUTING CABLES AROUND THE BUILDING IN ADDITION TO THOSE SHOWN.
2. CONTRACTOR SHALL COMPLETE A WALK-THRU PRIOR TO CONSTRUCTION & SHALL VERIFY ALL RACEWAYS & PATHWAYS.
3. ALL CABLES SHALL BE SUPPORTED ABOVE THE DROP CEILING BY J-HOOKS. HOOKS SHALL BE LOCATED NO LESS THAN EVERY 5 FEET.
4. WHERE A CAMERA IS MARKED AS SURFACE MOUNTED ON THE ONE-LINE, THAT CAMERA MAY BE MOUNTED TO THE CEILING OR WALL. PROVIDE A BACKBOX & RACEWAY.

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WYLIE ELEMENTARY CLASSROOM ADDITION

DRAWING TITLE

FIRST LEVEL SECURITY PLAN UNIT F

KEY PLAN

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02-06-2026	CONSTRUCTION DOCUMENTS

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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		

RACEWAY SYMBOL LEGEND

SYMBOL	DESCRIPTION
(1)	THIS SYMBOL WITH A NUMBER INSIDE REFERS TO KEYNOTES. REFER TO NOTES ON THE SHEET OR WITHIN THE DETAIL FOR ADDITIONAL INFORMATION
X"	PASS THRU. CONDUIT WITH GROMMETS TO BE INSTALLED. SIZE AS NOTED. NO LESS THAN 1". SEE DETAILS ON TRXXX FLOOR PLANS AND DETAILS. SEAL PER UL REQUIREMENTS
X"	VERTICAL RISER CONDUIT WITH GROMMETS TO BE INSTALLED. SIZE AS NOTED. SEE DETAILS ON TRXXX FLOOR PLANS AND DETAILS. SEAL PER UL REQUIREMENTS
(E)	RACEWAY SYMBOL. SEE TRXXX SHEETS FOR DETAILS FOR RACEWAY REQUIREMENTS.

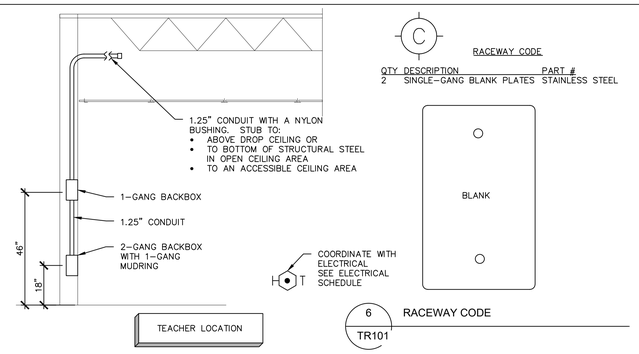
A/V, SECURITY & TELECOMMUNICATIONS SCHEDULE

SYMBOL	DESCRIPTION
H M	WALL MOUNTED MONITOR. (1) QUAD RECEPTACLE ADJACENT TO TECHNOLOGY OUTLET.
H T	(1) QUAD RECEPTACLE ADJACENT TO LOWER TECHNOLOGY OUTLET. ONE DUPLEX RECEPTACLE OF QUAD RECEPTACLE TO BE CONTROLLED.
▽	OUTLET BOX WITH CONDUIT STUBBED TO ACCESSIBLE CEILING FOR TECHNOLOGY. REFER TO TC AND TR SERIES DRAWINGS FOR BOX AND CONDUIT REQUIREMENTS.
	WALL MOUNTED CLOCK. REFER TO TC AND TR SERIES DRAWINGS FOR BOX AND CONDUIT REQUIREMENTS.

REFER TO TC AND TR SERIES DRAWINGS FOR ALL AUDIO/VISUAL, TELECOMMUNICATIONS AND SECURITY BOXES & RACEWAYS REQUIREMENTS AND SIZES.

REFER TO TC AND TR SERIES DRAWINGS FOR ALL AUDIO/VISUAL, TELECOMMUNICATIONS MOUNTING HEIGHTS, LOCATIONS AND INSTALLATION DETAILS.

ELECTRICAL CONTRACTOR TO PROVIDE ALL BOXES RACEWAYS REQUIRED TO SERVE ALL AUDIO/VISUAL, TELECOMMUNICATIONS AND SECURITY EQUIPMENT AND OUTLETS.

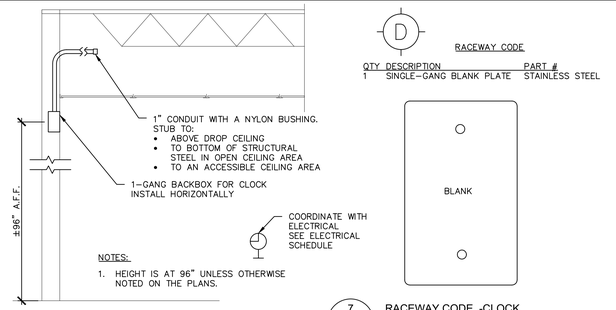


C — RACEWAY CODE

QTY	DESCRIPTION	PART #
2	SINGLE-GANG BLANK PLATES	STAINLESS STEEL

BLANK

6 TR101 — RACEWAY CODE

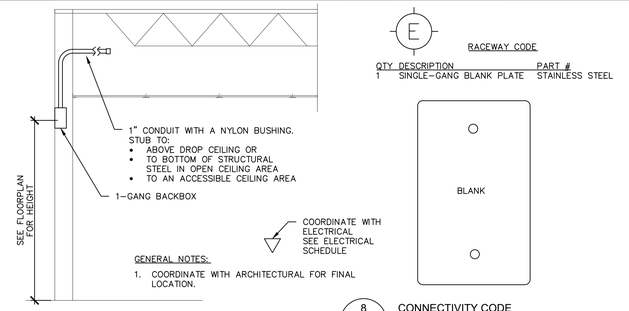


D — RACEWAY CODE

QTY	DESCRIPTION	PART #
1	SINGLE-GANG BLANK PLATE	STAINLESS STEEL

BLANK

7 TR101 — RACEWAY CODE -CLOCK



E — RACEWAY CODE

QTY	DESCRIPTION	PART #
1	SINGLE-GANG BLANK PLATE	STAINLESS STEEL

BLANK

8 TR101 — CONNECTIVITY CODE

ACCESS CONTROL AT DOOR RACEWAY

RX	REQUEST TO EXIT IN LOCK – SWITCH INSIDE PUSHBAR OR ELECTRIC LATCH. INSTALL CONDUIT TO HINGE SIDE OF DOOR
DC	DOOR CONTACT – INSTALLED AT TOP OF DOOR FRAME ABOVE DOOR. INSTALL BACKBOX AT DOOR FRAME AND CONDUIT TO CEILING.

ACCESS CONTROL LOCK RACEWAY

LR	LATCH RETRACTION DEVICE – LOCK MECHANISM INSIDE PUSHBAR OF DOOR. INSTALL CONDUIT TO DOOR HINGE.

ACCESS CONTROL READER RACEWAY

CR	CARD READER – PROXIMITY DEVICE BESIDE A DOOR. PROVIDE BACKBOX AND CONDUIT. WHERE NOTED TO BE INSTALLED ON DOOR FRAME INSTALL CONDUIT TO DOOR FRAME

INTERCOM / ASST. OPENER RACEWAY

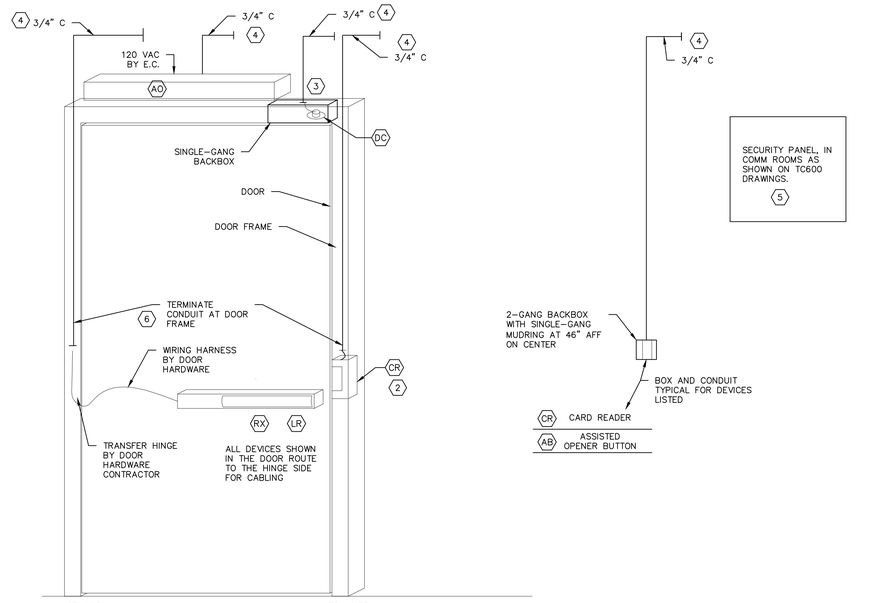
AO	ASSISTED OPENER – THIS MECHANICALLY OPENS A DOOR. CONDUIT FROM OPENER TO CEILING.
AB	ASSISTED OPENER BUTTON– BUTTON TO TRIGGER ASSISTED OPENER. INSTALL CONDUIT AND BACKBOX AT 46" AFF TO CENTER. MATCH LIGHT SWITCH HEIGHT

GENERAL NOTES:

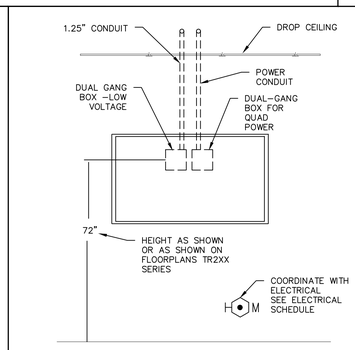
1. INSTALL RACEWAYS AND BACKBOXES AT DOORS AND DESKS FOR CONNECTION OF SECURITY AND ALARM DEVICES.
2. CONDUIT INSTALLER SHALL WORK WITH DOOR INSTALLER, DOOR HARDWARE CONTRACTOR AND SECURITY CONTRACTOR WHEN INSTALLING CONDUITS.

KEYED NOTES:

1. ONLY ONE CONDUIT AND BACKBOX IS REQUIRED WHERE THESE DEVICES ARE INSTALLED AT THE SAME DESK
2. WHEN THE "CR" IS SHOWN AS BEING ON A DOOR FRAME, DO NOT INSTALL A BACKBOX. INSTALL CONDUIT INTO THE DOOR FRAME
3. INSTALL BACKBOX FACING DOWN AT HEADER OF DOOR FOR DC AND RX. INSTALL CONDUIT TO CEILING AREA.
4. INSTALL A CONDUIT TO AN ACCESSIBLE CEILING AREA.
5. ACCESS CONTROL PANEL WILL BE INSTALLED IN THE COMM ROOM. PROVIDE POWER TO THE PANEL
6. COORDINATE LENGTH AND TERMINATION POINT OF CONDUIT WITH THE DOOR HARDWARE AND DOOR INSTALLER.



1 TR101 — ACCESS CONTROL RACEWAY DETAIL



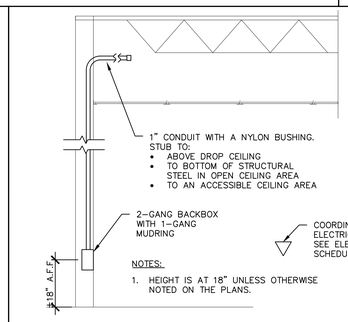
LA — IN WALL BOX PARTS

QTY	DESCRIPTION	MFG.	PART #
1	IN-WALL BOX	WIREMOLD	EFSB2
1	KNOCKOUT PLATE	WIREMOLD	EFB810-3/4-11/4

GENERAL NOTES:

1. BACKBOXES FOR LCD'S SHALL BE IN-WALL POWER AND LOW VOLTAGE BOX.
2. PROVIDE ALL BOXES FOR TERMINATION OF ALL OPENINGS INTO THE BOX.
3. PROVIDE WITH ONE (1) DUPLEX POWER OUTLET.
4. PROVIDE BOXES AND CONDUITS SHOWN FOR CONNECTION OF INPUTS AND CONTROLS
5. COORDINATE WITH ARCHITECTURAL FOR FINAL LOCATION WITHIN THE FURNITURE.

9 TR101 — LCD RACEWAY AND BOX STAND ALONE

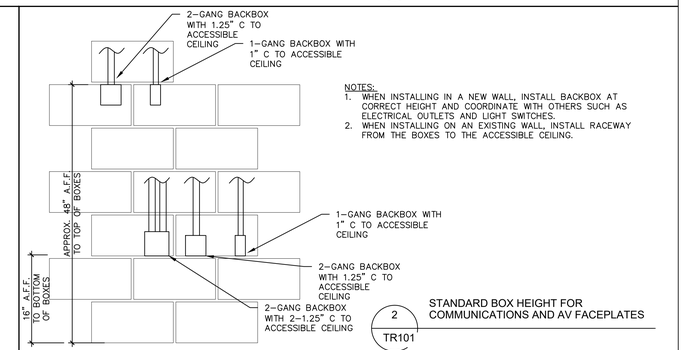


A — RACEWAY CODE

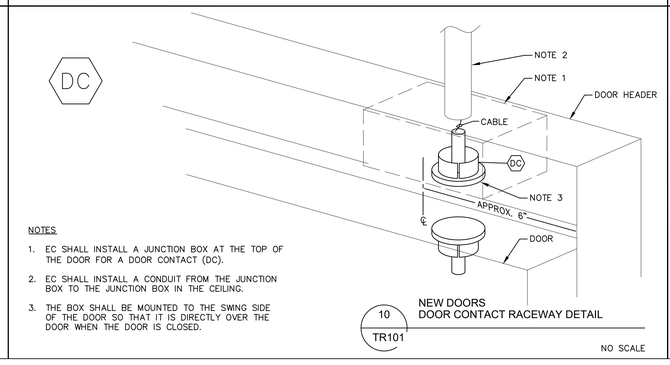
QTY	DESCRIPTION	PART #
1	SINGLE-GANG BLANK PLATE	STAINLESS STEEL

BLANK

4 TR101 — RACEWAY CODE

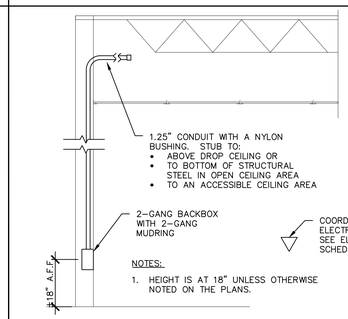


2 TR101 — STANDARD BOX HEIGHT FOR COMMUNICATIONS AND AV FACEPLATES



10 TR101 — NEW DOORS DOOR CONTACT RACEWAY DETAIL

NO SCALE

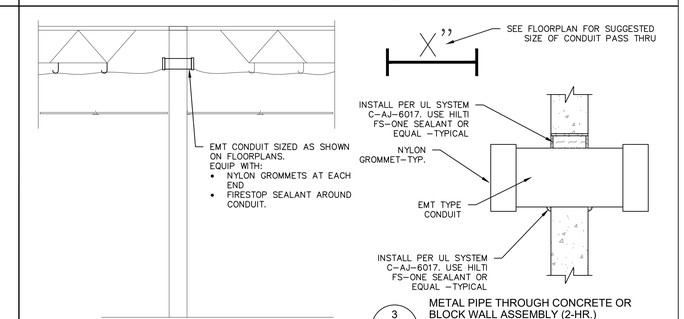


B — RACEWAY CODE

QTY	DESCRIPTION	PART #
1	DOUBLE-GANG BLANK PLATE	STAINLESS STEEL

BLANK

5 TR101 — RACEWAY CODE



3 TR101 — METAL PIPE THROUGH CONCRETE OR BLOCK WALL ASSEMBLY (2-HR.)

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WYLIE ELEMENTARY CLASSROOM ADDITION

Dexter Community School District

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RACEWAY LEGENDS, SCHEDULES, & DETAILS

ISSUE DATES

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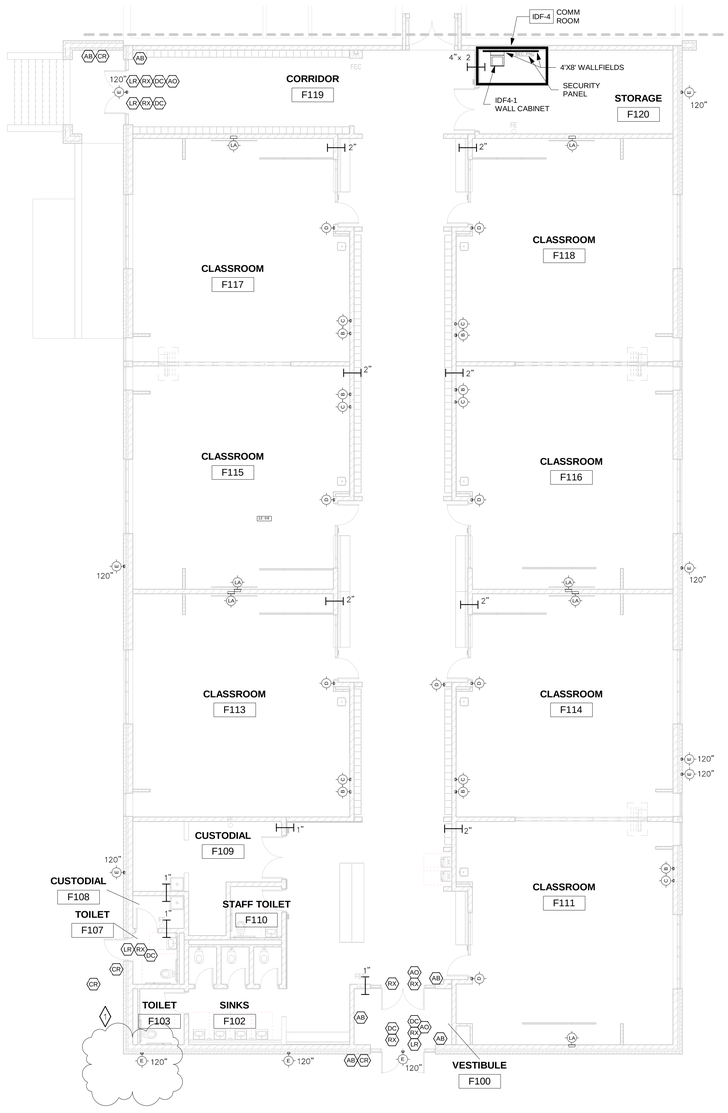
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GENERAL RACEWAY NOTES

1. SEE THE SERIES FLOOR PLANS AND DETAILS FOR ALL TECHNOLOGY RACEWAYS.
2. FLOORBOXES ARE SHOWN ON THE ELECTRICAL DRAWINGS. SEE ELECTRICAL DETAILS FOR FLOORBOX TECHNOLOGY RACEWAYS.
3. FINAL COORDINATE HEIGHT OF ALL LCD BACKBOXES WITH THE TECHNOLOGY CONTRACTOR PRIOR TO INSTALL. CONDUCT A SITE WALK THRU AND MARKUP DRAWINGS. PROVIDE TO DESIGNER FOR REVIEW PRIOR TO INSTALLATION OF RACEWAYS.
4. SEE SHEETS TR1XX FOR RACEWAY AND FIRSTOP REQUIREMENTS.
5. SEE ELECTRICAL SPECIFICATIONS FOR RACEWAY TYPE REQUIREMENTS AND INSTALLATION STANDARDS.

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DRAWING TITLE

FIRST LEVEL RACEWAY PLAN UNIT F

KEY PLAN

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