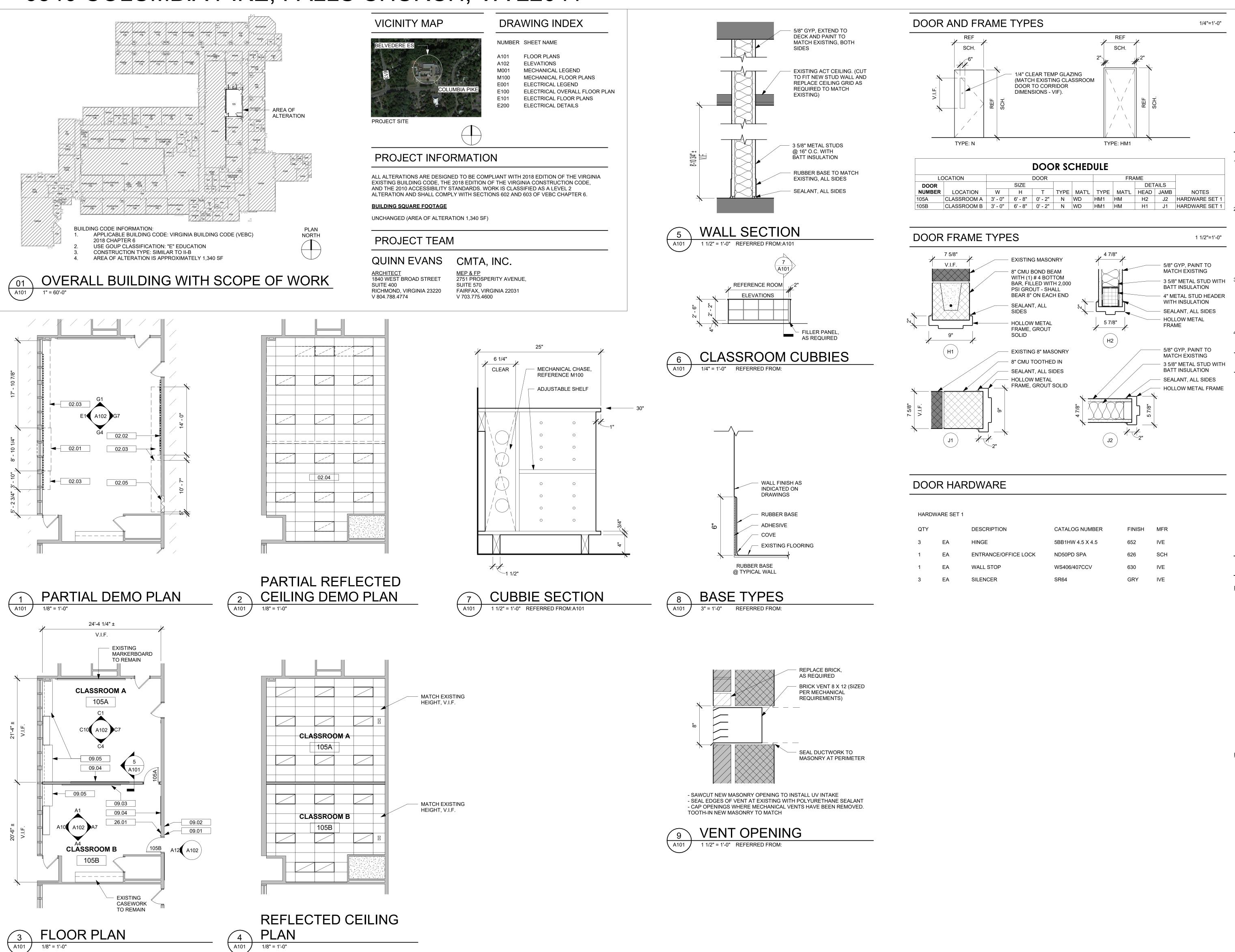
BELVEDERE ELEMENTARY SCHOOL

FAIRFAX COUNTY PUBLIC SCHOOLS OFFICE OF DESIGN AND CONSTRUCTION 6540 COLUMBIA PIKE, FALLS CHURCH, VA 22041



GENERAL NOTES

CLASSROOMS

DIMENSIONS ARE TO FACE OF CORE FOR NEW WORK AND FACE OF WALL FOR EXISTING CONSTRUCTION, UNLESS INDICATED OTHERWISE.

- DOORS TO BE 4" FROM CORNER TO OUTSIDE OF FRAME UNLESS INDICATED OTHERWISE. PAINT AND TOUCH UP ALL NEW AND EXISTING WALLS AND DOOR FRAMES IN BOTH
- INSTALL NEW ACOUSTIC CEILING TILE AND GRID IN BOTH CLASSROOMS.

GENERAL DEMOLITION NOTES

- DASHED LINES INDICATE EXISTING CONSTRUCTION TO BE REMOVED U.N.O.EXTENT OF SELECTIVE DEMOLITION SHALL BE AS REQUIRED FOR INSTALLATION OF NEW WORK, EXISTING WORK TO REMAIN, IF DAMAGED BY DEMOLITION OPERATIONS SHALL BE REPAIRED TO MATCH ORIGINAL SURFACE CONDITION OR AS INDICATED IN THE DRAWINGS.
- PRIOR TO REMOVAL OR MODIFICATION OF WALLS OR OTHER LOAD BEARING ELEMENTS, THE ACTUAL SIZE AND LOCATION OF THE STRUCTURAL COMPONENTS AND LOAD BEARING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR BY MEANS OF SELECTIVE DEMOLITION. THE CONTRACTOR SHALL NOTIFY THE OWNER OF ANY UNUSUAL OR HAZARDOUS CONDITION INCLUDING BUT NOT LIMITED TO CRACKS, ABSENCE OF BRACING, OR LOOSE ELEMENTS AND COMPONENTS.
- COORDINATE MECHANICAL, PLUMBING, AND ELECTRICAL SCOPE FOR REMOVAL OF EQUIPMENT, FIXTURES, WIRING, PIPING, ETC. ABANDONED PIPING AND CONDUIT SHALL BE CAPPED IN CONCEALED LOCATIONS AFTER BEING SECURED IN PLACE. MAINTAIN CONTINUITY OF ELECTRICAL CIRCUITRY WHERE IMPACTED BY DEMOLITION OR REMOVAL OF EXISTING RECEPTACLES.
- OWNER WILL HAVE THE FIRST RIGHT OF REFUSAL FOR ALL REMOVED CASEWORK AND MATERIALS.

FLOOR AND DEMO KEYNOTES

02.01	REMOVE OR DEMOLISH EXISTING WALL MOUNTED DEVICES, RECEPTACLES, AND AV EQUIPMENT THAT INTERFERE WITH NEW WORK - PATCH AND REPAIR WALL FINISH, COORDINATE RELOCATION WITH OWNER
02.02	REMOVE EXISTING TACK BOARD, PATCH AND PREPAIR
02.03	REMOVE EXISTING CASEWORK, PATCH AND REPAIR WALL FINISH
02.04	REMOVE ALL EXISTING ACT, LIGHT FIXTURES, AND DEVICES THAT INTERFERE WITH NEW WORK
02.05	REMOVE EXISTING MASONRY FOR NEW OPENING, PROVIDE SHORING AS REQUIRED
09.01	PATCH AND REPAIR EXISTING CERAMIC TILE WAINSCOTING AT DOOR JAMBS TO MATCH EXISTING.

- PROVIDE NEW CERAMIC TILE AT DOOR OPENING WHERE NEW CMU IS LOCATED
- 09.02 INSTALL ROOM IDENTIFICATION SIGNAGE ADJACENT TO NEW DOOR. MATCH EXISTING SCHOOL SIGNAGE, SIGN AND COLOR 09.03 NEW MARKER BOARD
- 09.04 NEW TACK BOARD
- 09.05 NEW CUBBIES, REF DETAIL 6/A101 26.01 LOCATION OF NEW LIGHT SWITCH, DUPLEX **RECEPTACLE & DATA STRIP, AND THERMOSTAT**

LEGEND

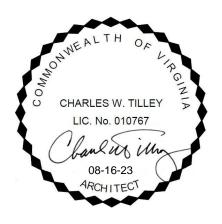
DEMOLITION AND NEW WORK PLANS								
	EXISTING CONSTRUCTION TO REMAIN							
	ITEM / CONSTRUCTION TO BE REMOVED, SALVAGED OR REINSTALLED							
	WALL / PARTITION							
	DOOR TO BE REMOVED, SALVAGED OR REINSTALLED							
	EXISTING DOOR TO REMAIN							
	DOOR							
REFLECTED CEILING PLA	N							
	LIGHT FIXTURE							

ACOUSTIC CEILING TILE



1840 WEST BROAD STREET SUITE 400 RICHMOND, VA 23220 v 804.788.4774

QUINNEVANS.COM





BELVEDERE ELEMENTARY SCHOOL



6540 COLUMBIA PIKE, FALLS CHURCH, VA 22041

No. Date Description

PROJECT MANAGER:

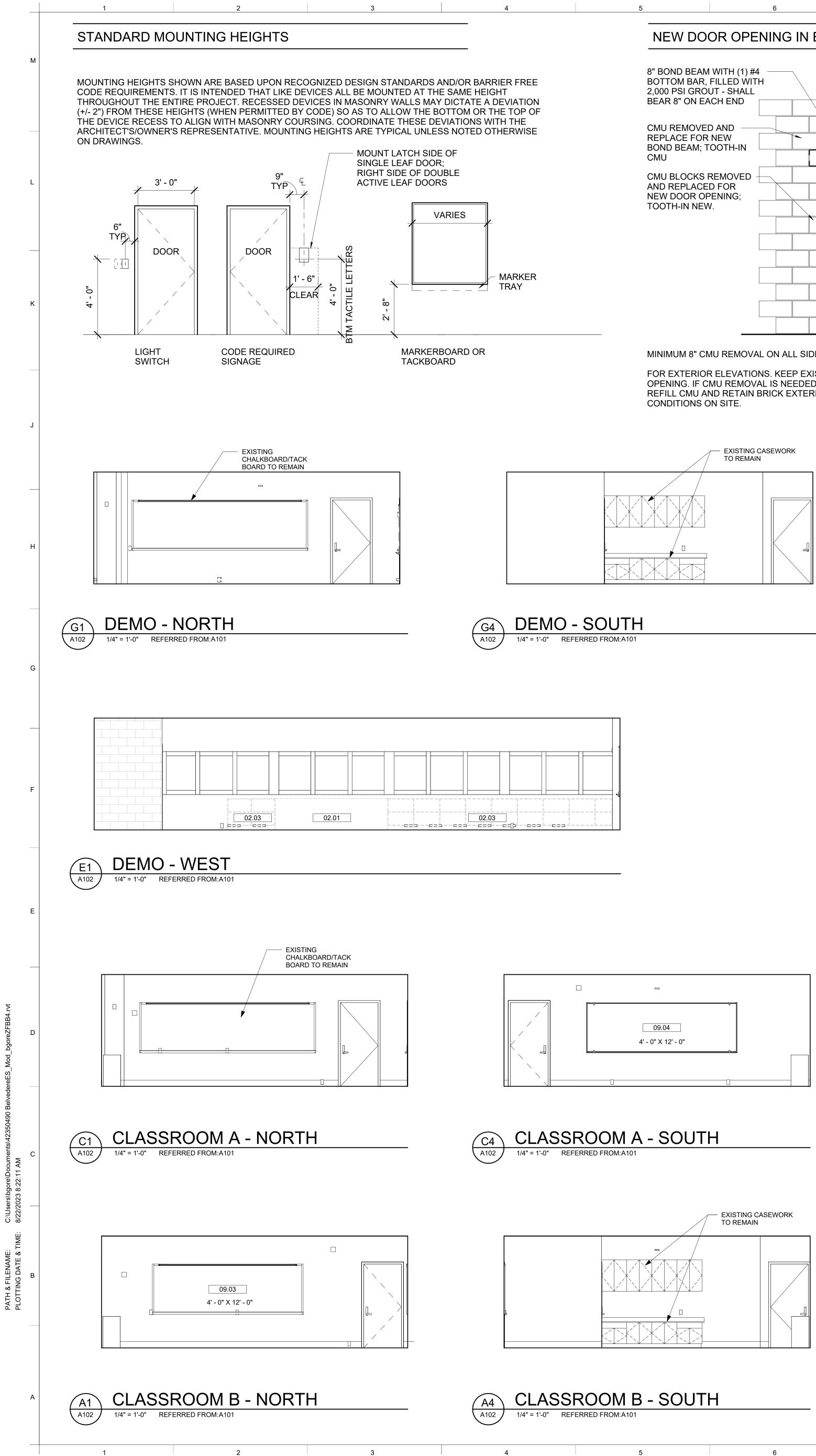
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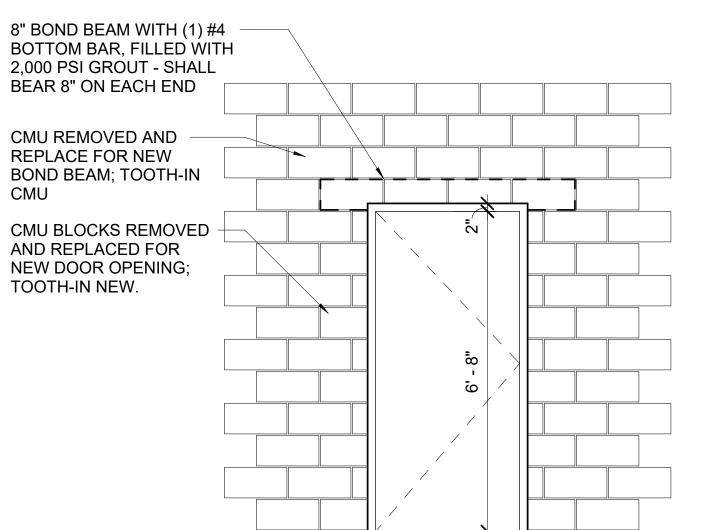
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FLOOR PLANS

A101

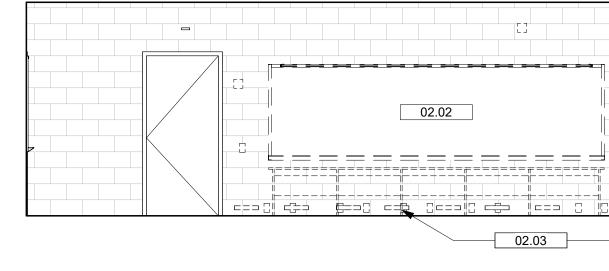






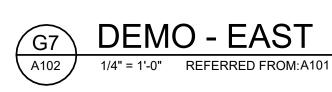
MINIMUM 8" CMU REMOVAL ON ALL SIDES.

FOR EXTERIOR ELEVATIONS. KEEP EXISTING MASONRY OPENING. IF CMU REMOVAL IS NEEDED, REMOVE AND REFILL CMU AND RETAIN BRICK EXTERIOR. VERIFY



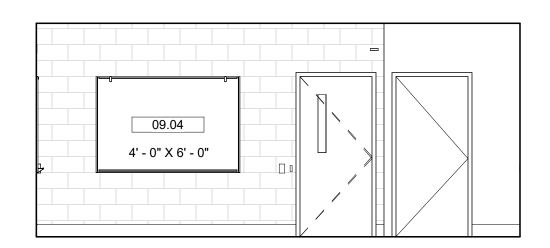
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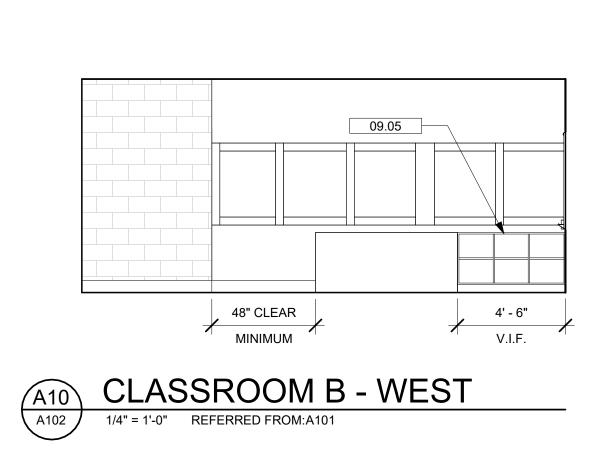
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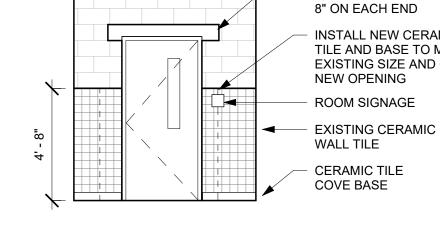
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A12 A102

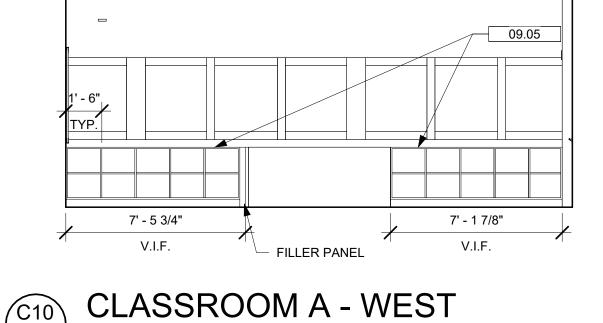




1/4" = 1'-0" REFERRED FROM:A101

COORIDOR WALL LAYOUT

BOTTOM BAR, FILLED WITH 2,000 PSI GROUT - SHALL BEAR 8" ON EACH END INSTALL NEW CERAMIC WALL TILE AND BASE TO MATCH EXISTING SIZE AND COLOR AT NEW OPENING



1/4" = 1'-0" REFERRED FROM:A101

A102

	<u> </u>	12	

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02.02 REMOVE EXISTING TACK BOARD, PATCH AND

OWNER

PREPAIR

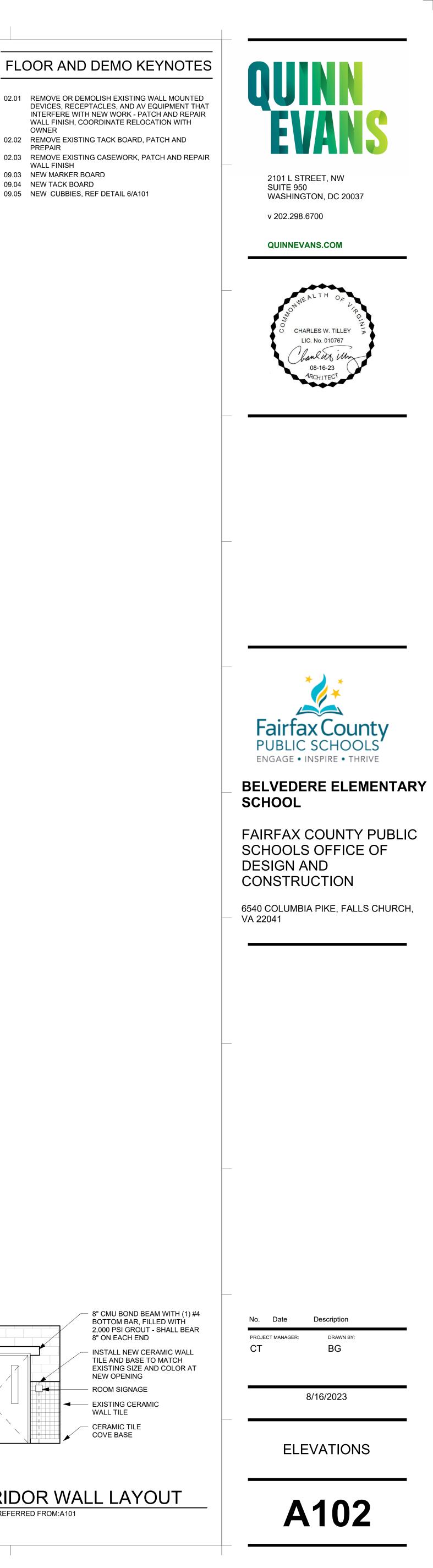
WALL FINISH

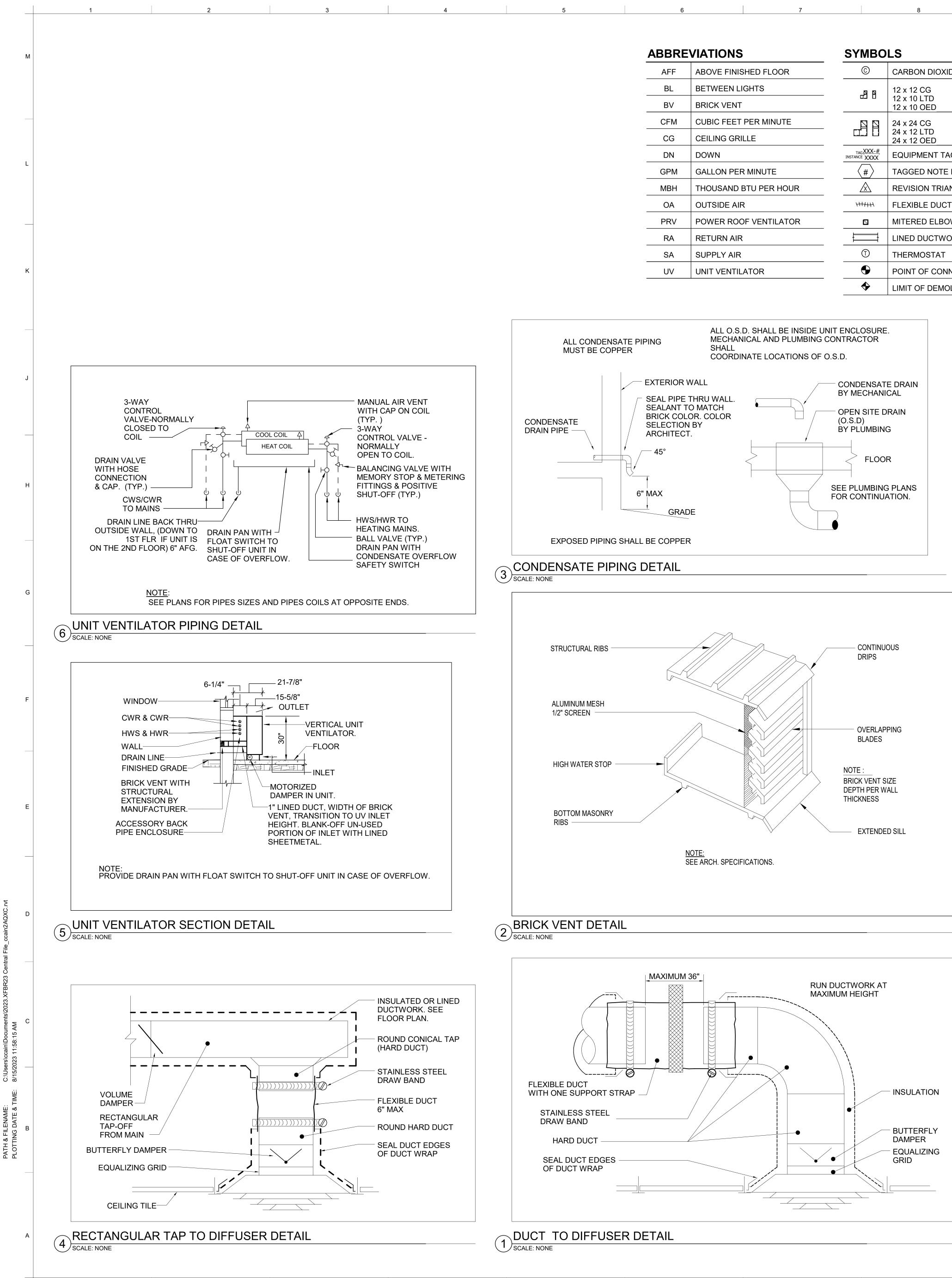
09.04 NEW TACK BOARD

09.03 NEW MARKER BOARD

09.05 NEW CUBBIES, REF DETAIL 6/A101

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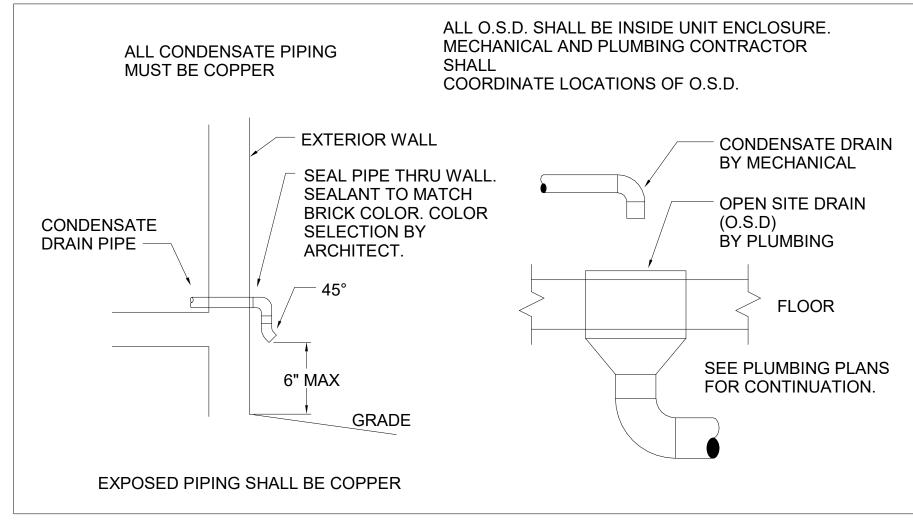
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ABBRE	VIATIONS
AFF	ABOVE FINISHED FLOOR
BL	BETWEEN LIGHTS
BV	BRICK VENT
CFM	CUBIC FEET PER MINUTE
CG	CEILING GRILLE
DN	DOWN
GPM	GALLON PER MINUTE
MBH	THOUSAND BTU PER HOUR
OA	OUTSIDE AIR
PRV	POWER ROOF VENTILATOR
RA	RETURN AIR
SA	SUPPLY AIR
UV	UNIT VENTILATOR

LJ
CARBON DIOXIDE SENSOR
12 x 12 CG 12 x 10 LTD 12 x 10 OED
24 x 24 CG 24 x 12 LTD 24 x 12 OED
EQUIPMENT TAG
TAGGED NOTE DESIGNATOR
REVISION TRIANGLE
FLEXIBLE DUCT
MITERED ELBOW WITH TURNING VANES
LINED DUCTWORK
THERMOSTAT
POINT OF CONNECTION
LIMIT OF DEMOLITION



6

7

8

5

UV

NO. MANUF. 1A TRANE

1B TRANE

REMARKS:

SYMBOLS

	L3
—HWS—	HOT WATER SUPPLY
—HWR—	HOT WATER RETURN
—cws—	CHILLED WATER SUPPLY
—CWR—	CHILLED WATER RETURN
D	CONDENSATE DRAIN
\$	BALANCING VALVE
— 次—	TWO-WAY CONTROL VALVE
—0	PIPE ELBOW TURN UP
— 〕	PIPE ELBOW TURN DOWN
Q	PIPE TEE; CONNECTION ON TOP
	PIPE TEE; CONNECTION ON BOTTOM
/ D(XXX) / /	SYSTEM TO BE DEMOLISHED - (XXX) DENOTES SYSTEM
Ø	ROUND
[PE]	PIPE ENCLOSURE (BY G.C.)
\boxtimes	SUPPLY DUCT
	RETURN DUCT
X	CEILING DIFFUSER - SEE SCHEDULE FOR NECK SIZE
	ROUND TAP-OFF - SEE DETAIL SHEET M-201
	RECTANGULAR TAP-OFF - SEE DETAIL SHEET
	24 x 24 CG
	12 x 12 CG

MECHANICAL GENERAL NOTES

- A SCOPE OF WORK PROVIDE AND INSTALL AIR CONDITIONING, HEATING, VENTILATING EQUIPMENT AND MATERIALS AS SHOWN ON THE PLANS. THE EQUIPMENT CONSISTS OF UNIT VENTILATOR UNITS. REMOVE EXISTING SYSTEMS, EQUIPMENT, PIPING AND MATERIAL AS NOTED OR REQUIRED TO CLEAR AREAS FOR WORK. AUTOMATIC TEMPERATURE CONTROLS SHALL BE INSTALLED AS SHOWN IN SPECIFICATION SECTION 15900.
- B ALL WORK SHALL BE INSTALLED IN COMPLIANCE WITH LOCAL CODES AND PROJECT SPECIFICATIONS.
- C ALL EQUIPMENT SUPPLIED SHALL SATISFY LOCAL REQUIREMENTS FOR TESTING, LISTING AND LABELING BY AN ACCREDITED TESTING AUTHORITY AND SHALL BE INSTALLED IN ACCORDANCE WITH THE CONDITIONS OF THE LABELING AUTHORITY.
- D ALL EQUIPMENT SHALL BE PROVIDED WITH ALL ELECTRICAL PROTECTION OF WIRING AND UNIT AS STATED ON MANUFACTURER'S NAME PLATE AND AS REQUIRED BY U/L LABEL AND NATIONAL ELECTRICAL CODE.
- E VERIFY ALL DIMENSIONS, LOCATIONS AND CLEARANCES, AND COORDINATE WORK WITH ALL TRADES PRIOR TO START OF CONSTRUCTION.
- COORDINATE SIZE AND LOCATION OF ALL MECHANICAL STRUCTURAL PENETRATIONS AND FURNISH NECESSARY PIPE AND DUCT SLEEVES BEFORE CONSTRUCTION IS STARTED. SLEEVES SHALL BE INSTALLED IN NEW AND EXISTING WALLS AND FOR EXISTING PIPING.
- G COORDINATE ALL PIPING WITH DUCTWORK, LIGHTING, AND EXISTING STRUCTURAL CONDITIONS IN CEILING SPACE. OFFSET PIPING BELOW OR ABOVE DUCTWORK AND BETWEEN LIGHTS AS REQUIRED. PIPING ABOVE DUCTWORK SHALL BE RUN BETWEEN JOIST OR THROUGH WEBS.
- H CONTRACTOR SHALL VISIT SITE PRIOR TO SUBMISSION OF BID. SITE VISIT SHALL BE COORDINATED WITH THE ARCHITECT. CONTRACTOR SHALL NOTE EXISTING CONDITIONS AND FAMILIARIZE THEMSELVES WITH THE LAYOUT OF THE EXISTING SYSTEMS.
- I NOTE THAT USUAL SCHOOL FUNCTIONS AND OPERATIONS WILL BE MAINTAINED DURING ALL MONTHS OF THE THE NORMAL SCHOOL YEAR WHILE CONSTRUCTION IS PROCEEDING. PHASES OF WORK SHALL BE CAREFULLY COORDINATED WITH THE OWNER TO PREVENT DISRUPTION OF SCHOOL SERVICES. WORK BEING DONE SHALL BE ISOLATED FROM THE STUDENT BODY.
- J WORK SITE SHALL BE KEPT CLEAN AT ALL TIMES. REMOVE DEBRIS DAILY.
- K NO OUTAGES OF SERVICES WILL BE ALLOWED DURING OCCUPIED HOURS.
- L OUTAGES OF SERVICES DURING NON-OCCUPIED HOURS SHALL BE COORDINATED WITH THE OWNER AND THE ENGINEER. SERVICES SHALL NOT BE OFF FOR MORE THAN TWO HOURS AT ONE TIME UNLESS PREVIOUSLY CLEARED WITH THE OWNER / ENGINEER AND ALTERNATE SERVICES ARE PROVIDED. ALL SYSTEMS SHALL BE RETURNED TO SERVICE BEFORE THE END OF THE WORKING DAY.
- M WHERE CHANGES TO THE EXISTING INSTALLATION ARE IMPRACTICAL, PROVIDE A DETAILED DRAWING OF PROPOSED CHANGES TO THE SYSTEM FOR REVIEW BY THE ENGINEER. DO NOT CHANGE DUCT SIZES WITHOUT WRITTEN ACCEPTANCE OF THE **PROPOSAL**
- N ALL CONDENSATE DRAIN PIPING SHALL BE TYPE L COPPER. RUN PIPING AS SHOWN ON THE PLANS. ALL CONDENSATE DRAIN PIPING EXPOSED TO THE OUTSIDE SHALL TERMINATE MIN. 6" ABOVE GRADE. ALL CONDENSATE PIPING MUST HAVE A MINIMUM SLOPE OF 1/8" PER FOOT. MINIMUM CONDENSATE PIPE SIZE SHALL BE 1".
- O THE OWNER HAS FIRST RIGHT OF REFUSAL. CONTRACTOR SHALL REMOVE ALL ITEMS NOTED ON THE DRAWINGS AND OTHER ITEMS AS REQUIRED TO MAKE WAY FOR THE REMODELING. REMOVED MATERIAL AND EQUIPMENT SHALL BE ASSEMBLED AT ONE POINT FOR PERIODIC INSPECTION BY THE OWNER FOR SELECTION AND SALVAGE OF ITEMS SUITABLE FOR SPARE PARTS. REMAINING ITEMS SHALL BE REMOVED PROMPTLY.

REGISTERS, GRILLES, AND DIFFUSERS

-					1				1	1	1	
						DUCT	DUCT					
					PANEL	INLET	BRANCH	CFM		NOISE	THROW	
	MARK	MANUFACTURER	MODEL #	TYPE	SIZE	SIZE	SIZE	(MIN-MAX)	P.D.	CRITERIA	PATTERN	REMARKS
	E-2A	PRICE	510HZ	STEEL FIXED HORIZONTAL	12"X12"	-	8" Ø	101-225	0.05	25	-	1,2
				0° DEFLECTION								
	REMARK	S:										

1. COLOR SHALL BE WHITE ENAMEL FINISH. 2. COORDINATE MOUNTING TYPE (LAY-IN, GYP BOARD, ETC.) WITH ARCHITECTURAL DRAWINGS.

UNIT VENTILATOR SCHEDULE

			MIN	I. OA CFM	C	COOLING CA	\PACI	ΓY	HEA	T CAP	ACITY		FAN		
MODEL #	SERVICE	AIRFLOW (CFM)	DESIGN	OPERATIONAL	TOTAL MBH	SENSIBLE MBH	GPM	MAX WATER PD (FT)	MBH	GPM	MAX WATER PD (FT)		VOLTAGE	PH	REMARKS
VUVA 075	ROOM 105A	750	300	225	24.0	18.0	4	8.0	40.0	2	8.00	220	115 V	1	1,2,3,4,5
VUVA 075	ROOM 105B	750	300	225	24.0	18.0	4	8.0	40.0	2	8.00	220	115 V	1	1,2,3,4,5

1. COOLING CAPACITY BASED ON 80°DB/67°WB EAT AND 45° EWT.

2. HEATING CAPACITY BASED ON 50° EAT, 180° EWT. 3. PROVIDE WITH 6" FALSE BACK, THROW AWAY FILTERS AND METAL FILTER FRAMES.

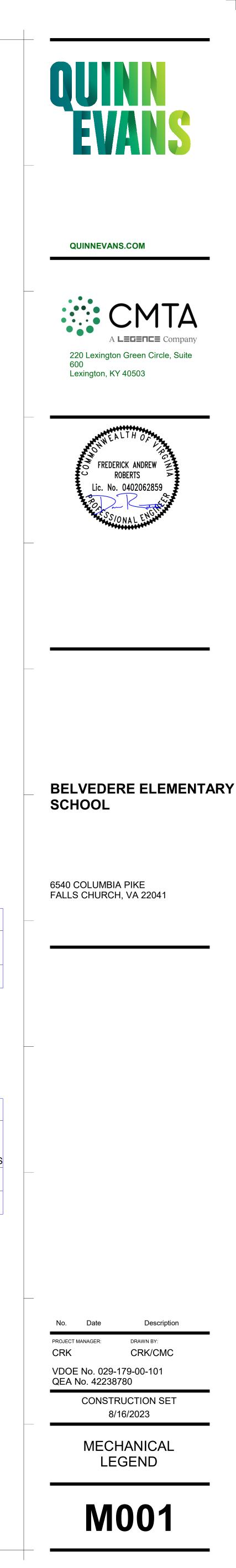
4. PROVIDE WITH 32"X16" BRICK VENT FOR OUTSIDE AIR INTAKE

5. VENTILATION CAPACITY BASED ON DESIGN OA, OPERATIONAL OA, AND COOLING CAPACITY BASED ON PROGRAMMED OCCUPANCY.

MECHANICAL DRAWING INDEX							
SHEET #	SHEET NAME						
M100	MECHANICAL FLOOR PLANS						
M001	MECHANICAL LEGEND						

10

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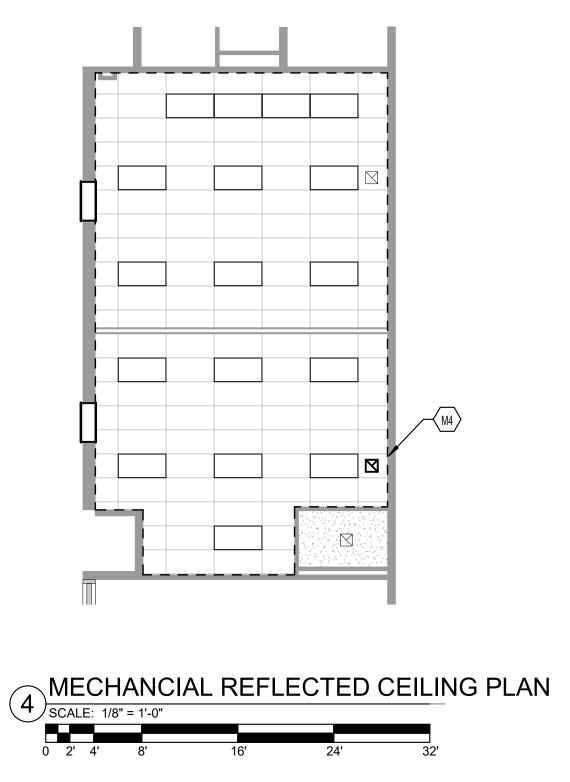
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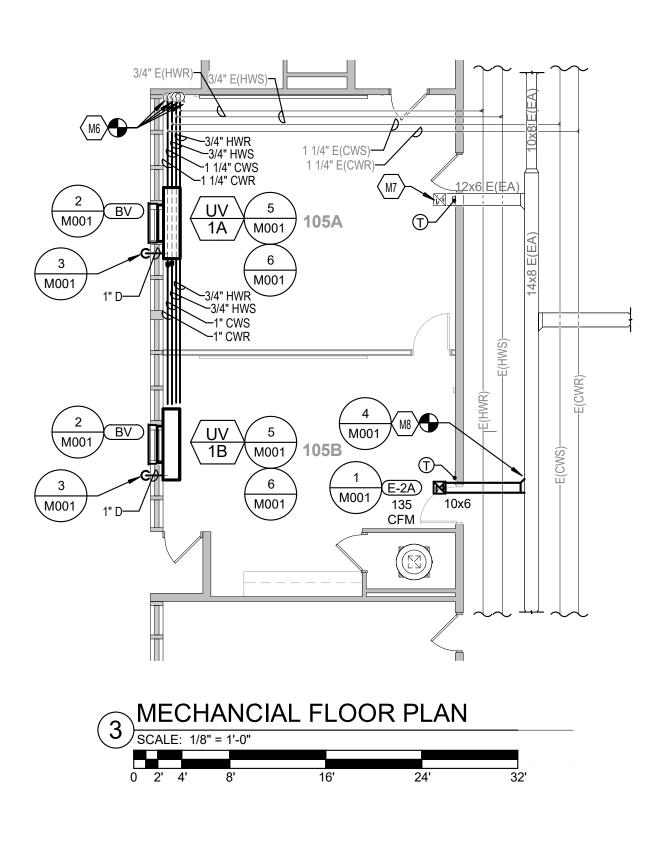
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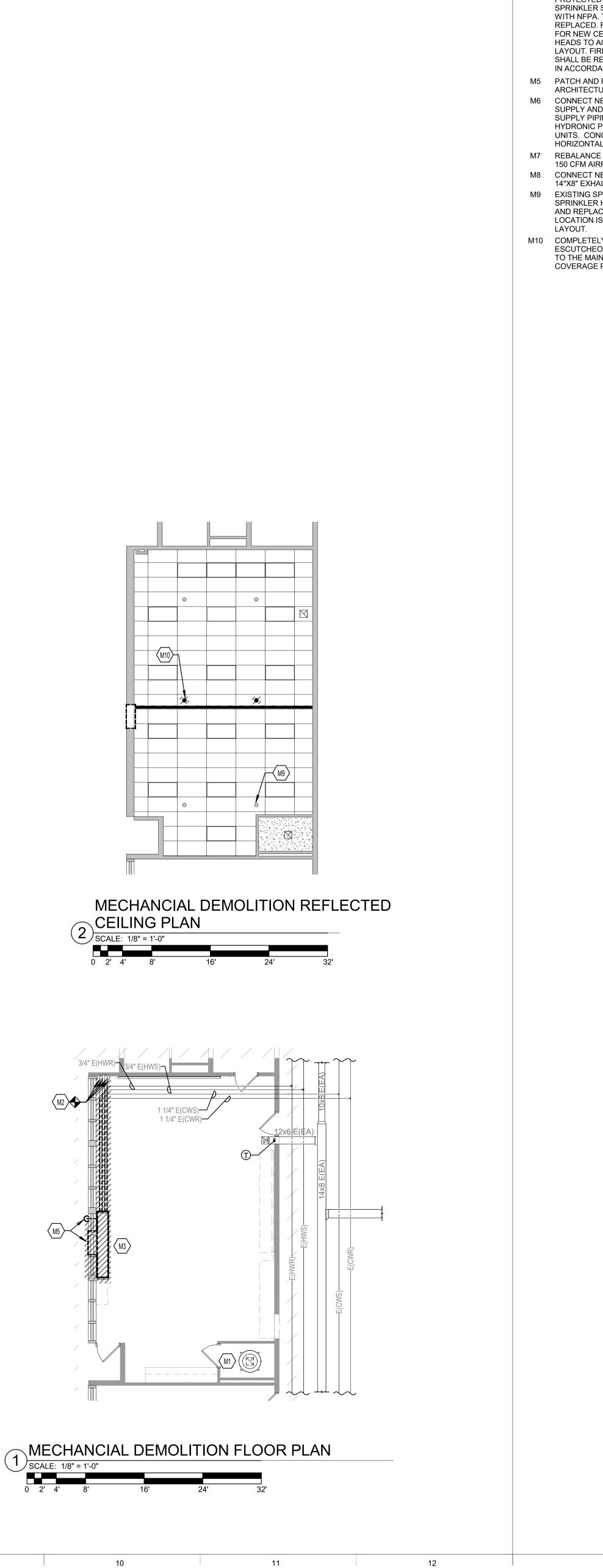
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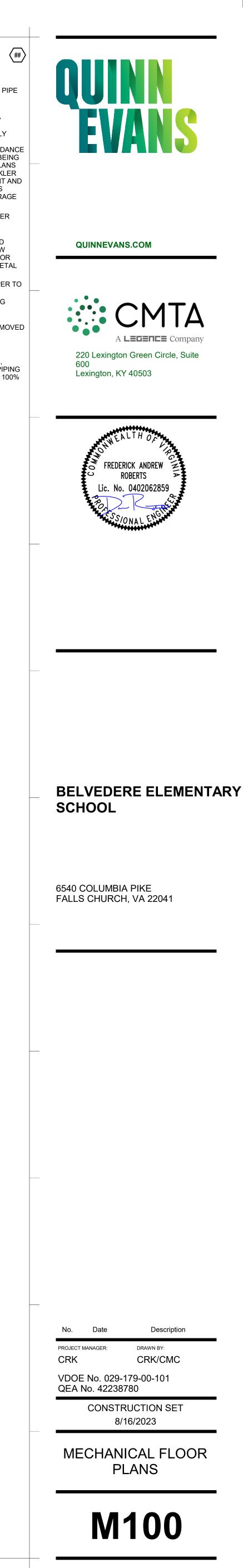


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TAGGED NOTESM1EXISTING POWER ROOF VENTILATOR TO

REMAIN.

- M2 REMOVE EXISTING HYDRONIC PIPING AND PIPE ENCLOSURE TO LIMITS OF REMOVAL. M3 REMOVE EXISTING UNIT VENTILATOR AND ASSOCIATED INTAKE LOUVER, CONTROLS, WIRING, CONDENSATE, DRAIN, ETC.. M4 THE ENTIRE OUTLINED AREA IS CURRENTLY PROTECTED WITH A 100% "WET" TYPE SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH NFPA. THE EXISTING CEILINGS ARE BEING REPLACED. REFER TO ARCHITECTURAL PLANS FOR NEW CEILINGS. PROVIDE NEW SPRINKLER HEADS TO ACCOMMODATE CEILING HEIGHT AND LAYOUT. FIRE PROTECTION BRANCH LINES SHALL BE REWORKED TO PROVIDE COVERAGE IN ACCORDANCE WITH NFPA-13. M5 PATCH AND REPAIR MASONRY OPENING PER ARCHITECTURAL DRAWINGS. M6 CONNECT NEW HOT WATER RETURN AND SUPPLY AND CHILLED WATER RETURN AND SUPPLY PIPING TO EXISTING. EXTEND NEW HYDRONIC PIPING TO NEW UNIT VENTILATOR UNITS. CONCEAL PIPING WITHIN SHEET METAL HORIZONTAL PIPE ENCLOSURE.
- M7 REBALANCE AIR TERMINAL VOLUME DAMPER TO 150 CFM AIRFLOW.
 M8 CONNECT NEW DUCT BRANCH TO EXISTING 14"X8" EXHAUST DUCT MAIN.
 M9 EXISTING SPRINKLER HEAD. ALL EXISTING
- SPRINKLER HEADS IN ROOM SHALL EXISTING SPRINKLER HEADS IN ROOM SHALL BE REMOVED AND REPLACED EVEN IF SPRINKLER HEAD LOCATION IS NOT MOVING WITH THE NEW LAYOUT.
- M10 COMPLETELY REMOVE SPRINKLER HEADS, ESCUTCHEONS, AND DEMO ALL BRANCH PIPING TO THE MAIN LINE WHERE REQUIRED FOR 100% COVERAGE PER NFPA-13.



		LUMINAIRE. SEE LUMINAIRE SCHEDULE ON DRAWING E200FOR MOUNTING INFORMATION.	+	TAMPER RESISTANT TYPE DOUBLE DUPLEX RECEPTACLE 2- 2P, 3W, 20A, 125V (NEMA 5-2 FLUSH MOUNTED AT 18" ABOVE FINISHED FL AS NOTED. NUMERAL INDICATES CIRCUIT NU FOR CONNECTION.
			s ₩	TAMPER RESISTANT TYPE DOUBLE DUPLEX RECEPTACLE 2- 2P, 3W, 20A, 125V (NEMA 5-2 SURFACE MOUNTED AT 18" ABOVE FINISHED OR AS NOTED. NUMERAL INDICATES CIRCUIT NUMBER FOR CONNECTION.
		LUMINAIRE ON EMERGENCY CIRCUIT. SEE LUMINAIRE SCHEDULE ON DRAWING E200 FOR MOUNTING	Q	DISTRIBUTION TYPE PANELBOARD, LETTER I CIRCLE INDICATES PANEL DESIGNATION.
		INFORMATION.	Q	BRANCH CIRCUIT TYPE PANELBOARD, LETTE CIRCLE INDICATES PANEL DESIGNATION.
	► • • • • • • • • • • • • • • • • • • •	SINGLE FACE CEILING MOUNTED EXIT LIGHT ON EMERGENCY CIRCUIT. DIRECTIONAL ARROWS AS INDICATED ON PLANS.		INDICATES MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS FOR EXACT LOCAT OF EQUIPMENT.
	-\$-	LIGHTING CONTROL OCCUPANCY SENSOR (360°) AND POWER PACK, CEILING MOUNTED. POWER PACK NOT REQUIRED WHEN POWERED BY A LIGHTING CONTROL PANEL OR OTHER LOW VOLTAGE SOURCE. REFER TO SPECIFICATION SECTION 16506. H = HIGH HUMIDITY OPTION. WHERE THERE ARE MULTIPLE OCCUPANCY/VACANCY ENSORS IN ONE ROOM THEY SHALL FUNCTION AS ONE UNIT AND	S/USB	TAMPER RESISTANT DOUBLE DUPLEX RECEP 2 - 2P, 3W, 20A, 125V (NEMA 5-20R) AND 2-US CHARGING PORTS WITH A SINGLE TWO GAN COVERPLATE SURFACE MOUNTED AT 18" AB FINISHED FLOOR, OR AS NOTED. NUMERAL INDICATES CIRCUIT NUMBER FOR CONNECT
		TURN ALL LIGHTS ON/OFF IN CORRESPONDING ZONE.	J	JUNCTION BOX LOCATED ABOVE CEILING, OF MOUNTED.
	DS1	DIGITAL LIGHT SWITCH MOUNTED 4'-0" ABOVE FINISHED FLOOR OR AS NOTED. ACUITY BRANDS CAT. #: nPODM DX FOR SURFACE MOUNTED SWITCH, SEE DETAIL ON DRAWING E200.	⊢J s⊢J	FLUSH MOUNTED WALL JUNCTION BOX. SURFACE MOUNTED WALL JUNCTION BOX.
	S	SINGLE POLE FLUSH TOGGLE SWITCH MOUNTED 4'-0" ABOVE FINISHED FLOOR OR AS NOTED. FOR SURFACE MOUNTED SWITCH SEE DETAIL ON DRAWING E200.	GFI ©	GROUND FAULT CIRCUIT INTERRUPT TAMPE RESISTANT TYPE DUPLEX RECEPTACLE 2P, 3 125V (NEMA 5-20R) FLUSH MOUNTED AT 18" A FINISHED FLOOR OR 6" ABOVE BACKSPLASH COUNTER LOCATION. NUMERAL INDICATES (NUMBER FOR CONNECTION.
	S _{MP}	MANUAL MOTOR TOGGLE SWITCH, SINGLE PHASE, TWO POLE, 30 AMP, 120/277 VOLT WITH A RED PILOT LIGHT, FLUSH MOUNTED 4'-0" ABOVE FINISHED FLOOR OR UNIT MOUNTED WHERE INDICATED.	S/GFI	GROUND FAULT CIRCUIT INTERRUPT TAMPE RESISTANT TYPE DUPLEX RECEPTACLE 2P, 3 125V (NEMA 5-20R) SURFACE MOUNTED AT 1 ABOVE FINISHED FLOOR OR 6" ABOVE BACK IF AT COUNTER LOCATION. NUMERAL INDICA CIRCUIT NUMBER FOR CONNECTION.
	₩-W-	VERTICAL DROP TO HORIZONTAL RUN OF SURFACE METAL RACEWAY TO A DEVICE WITH 2 No. 12 AWG AND 1 No. 12 AWG GROUND.	S/B €=	TAMPER RESISTANT TYPE DUPLEX RECEPTA 3W, 20A, 125V (NEMA 5-20R) SURFACE MOUN ABOVE BACKSPLASH. NUMERAL INDICATES (
-	—W—	HORIZONTALLY MOUNTED SURFACE METAL RACEWAY WITH 2 No. 12 AWG AND 1 No. 12 AWG GROUND.	_	TEMPERATURE SENSOR/THERMOSTAT FLUS
	Ŷ	WIRELESS TYPE CLOCK AND CLOCK HANGER RECEPTACLE, 2P, 3W, 15A, 125V, (NEMA 5-15R) FLUSH MOUNTED AT +7'-5" ABOVE FINISHED FLOOR, OR AS NOTED. COORDINATE MOUNTING AS REQUIRED WITH FURNISHINGS, DOOR FRAMES, ETC., ON EXISTING WALLS, CONTRACTOR SHALL FISH AND/OR CHANNEL WALL TO FEED FLUSH MOUNTED BACKBOX. NO TAG INDICATES 12" DIAMETER CLOCK, 16" TAG INDICATES 16" DIAMETER CLOCK. REFER TO SPECIFICATION SECTION 16630. CLOCK IS OWNER PROVIDED, CONTRACTOR INSTALLED.	(T)	OUT ABOVE CEILING WITH BUSHING. ON EXI- WALLS PROVIDE A WIREMOLD OUTLET BOX SERIES 500 SURFACE METAL RACEWAY TO A CEILING WITH BUSHING. MOUNT ALL SENSO OUTLET BOXES AT 4'-0" ABOVE FINISHED FLO EXCEPT LOCKER ROOMS, CORRIDORS AND TOILETS SHALL BE 80" ABOVE FINISHED FLO SENSOR AND WIRING BY DIVISION 15 CONTF COORDINATE EXACT MOUNTING HEIGHTS W DIVISION 15 CONTRACTOR BEFORE INSTALL
	^{CLG} €	FLUSH CEILING MOUNTED DUPLEX RECEPTACLE 2P, 3W, 20A, 125V (NEMA 5-20R)	A ⊕=	TAMPER RESISTANT TYPE DUPLEX RECEPTA 3W, 20A, 125V (NEMA 5-20R) FLUSH MOUNTED HORIZONTALLY IN TOE SPACE OF MILLWORK CUTOUT PROVIDED BY OTHERS.
	_	BRANCH CIRCUIT HOMERUN TO PANELBOARD CONCEALED IN CEILING OR WALLS. NUMBER OF	1	SURFACE MOUNTED VERTICAL POWER COLUNUMBER INDICATES TYPE. SEE DETAIL ON DRAWING E200.
	HH	ARROWHEADS INDICATES NUMBER OF BRANCH CIRCUITS IN RUN. UNLESS OTHERWISE NOTED, CONNECT CIRCUIT TO A SINGLE POLE, 20 AMP BRANCH CIRCUIT BREAKER IN PANELBOARD		TEACHING WALL DEVICES. REFER TO "TEAC WALL DEVICE LAYOUT DETAIL" ON DRAWING AND SPECIFICATION SECTION 16770.
		INDICATED. BRANCH CIRCUIT WIRING CONCEALED IN CEILING OR WALLS. CROSS MARKS AND NUMERALS INDICATE	4	SAFETY SWITCH (F.S.S. = FUSIBLE; N.F.S.S. = FUSIBLE).
-	H	NUMBER AND SIZE OF CONDUCTORS RESPECTIVELY, 2 No. 12 AWG IN 1/2" CONDUIT UNLESS OTHERWISE NOTED.	(MM)	COMBINATION MULTI-MEDIA TRANSMITTER O AND RECEPTACLE, FLUSH MOUNTED 18" ABO FINISHED FLOOR. REFER TO DETAIL ON DRAV
		BRANCH CIRCUIT WIRING CONCEALED IN FLOOR OR CEILING BELOW.	S (MM) S	E200, AND SPECIFICATION SECTION 16770. COMBINATION MULTI-MEDIA TRANSMITTER O AND RECEPTACLE, SURFACE MOUNTED 18" A FINISHED FLOOR. REFER TO DETAIL ON DRAV
	E	EXISTING BRANCH CIRCUIT CONDUIT TO REMAIN CONCEALED ABOVE CEILING OR CONCEALED IN WALL WITH NEW BRANCH CIRCUIT WIRING.	R/T	FLUSH MOUNTED A MINIMUM 3" ABOVE TOP C
	E#/	EXISTING BRANCH CIRCUIT CONDUIT TO REMAIN CONCEALED IN FLOOR WITH NEW BRANCH CIRCUIT WIRING.		MARKERBOARD. REFER TO DETAIL ON DRAW AND SPECIFICATION SECTION 16770. COMBINATION MULTI-MEDIA RECEIVER OUTLI RECEPTACLE AND SINGLE DATA OUTLET (ON
	Ð	TAMPER RESISTANT TYPE DUPLEX RECEPTACLE 2P, 3W, 20A, 125V (NEMA 5-20R) FLUSH MOUNTED AT 18" ABOVE FINISHED FLOOR, OR AS NOTED. NUMERAL INDICATES CIRCUIT NUMBER FOR CONNECTION.	S/R S/R	SURFACE MOUNTED A MINIMUM 3" ABOVE TO MARKERBOARD. REFER TO DETAIL ON DRAW AND SPECIFICATION SECTION 16770.
	°₽	TAMPER RESISTANT TYPE DUPLEX RECEPTACLE 2P, 3W, 20A, 125V (NEMA 5-20R) SURFACE MOUNTED AT 18" ABOVE FINISHED FLOOR, OR AS NOTED. NUMERAL INDICATES CIRCUIT NUMBER FOR CONNECTION.	S Z1-1	FLUSH CEILING MOUNTED SPEAKER ASSEME INSTALLED IN GRID CEILING, CONNECTED TO BUILDING SOUND SYSTEM, SEE SPECIFICATIO MOUNTING REQUIREMENTS. SUBSCRIPT INDI ZONE NUMBER.
	USB	TAMPER RESISTANT TYPE DUPLEX RECEPTACLE 2P, 3W, 20A, 125V (NEMA 5-20R) WITH TWO USB CHARGING PORTS FLUSH MOUNTED AT 18" ABOVE FINISHED FLOOR, OR AS NOTED. NUMERAL INDICATES CIRCUIT NUMBER FOR CONNECTION.	CA ŜH	WALL MOUNTED SPEAKER ASSEMBLY FOR CLASSROOM AMPLIFICATION SYSTEM, SEE SPECIFICATIONS FOR MOUNTING REQUIREM

PE DOUBLE DUPLEX , 20A, 125V (NEMA 5-20R) " ABOVE FINISHED FLOOR, OR NDICATES CIRCUIT NUMBER
PE DOUBLE DUPLEX , 20A, 125V (NEMA 5-20R) 18" ABOVE FINISHED FLOOR AL INDICATES CIRCUIT FION.

Λ

NELBOARD, LETTER IN NEL DESIGNATION.

E PANELBOARD, LETTER IN NEL DESIGNATION.

AL EQUIPMENT, SEE GS FOR EXACT LOCATIONS

UBLE DUPLEX RECEPTACLE IEMA 5-20R) AND 2-USB H A SINGLE TWO GANG E MOUNTED AT 18" ABOVE NOTED. NUMERAL IMBER FOR CONNECTION.

ED ABOVE CEILING, OR FLUSH

JIT INTERRUPT TAMPER LEX RECEPTACLE 2P, 3W, 20A, ISH MOUNTED AT 18" ABOVE ABOVE BACKSPLASH IF AT NUMERAL INDICATES CIRCUIT TION.

INTERRUPT TAMPER EX RECEPTACLE 2P, 3W, 20A, FACE MOUNTED AT 18" R OR 6" ABOVE BACKSPLASH ION. NUMERAL INDICATES CONNECTION.

YPE DUPLEX RECEPTACLE 2P, 20R) SURFACE MOUNTED 6" IUMÉRAL INDICATES CIRCUIT

R/THERMOSTAT FLUSH EMPTY CONDUIT STUBBED /ITH BUSHING. ON EXISTING EMOLD OUTLET BOX WITH METAL RACEWAY TO ABOVE . MOUNT ALL SENSOR ABOVE FINISHED FLOOR, MS, CORRIDORS AND GANG ABOVE FINISHED FLOOR. BY DIVISION 15 CONTRACTOR. 10UNTING HEIGHTS WITH TOR BEFORE INSTALLATION.

YPE DUPLEX RECEPTACLE 2P, 20R) FLUSH MOUNTED SPÁCE OF MILLWORK. OUTLET OTHERS.

ERTICAL POWER COLUMN, PE. SEE DETAIL ON

ES. REFER TO "TEACHING DETAIL" ON DRAWING E200, ECTION 16770.

S. = FUSIBLE; N.F.S.S. = NON

EDIA TRANSMITTER OUTLET SH MOUNTED 18" ABOVE R TO DETAIL ON DRAWING

EDIA TRANSMITTER OUTLET FACE MOUNTED 18" ABOVE R TO DETAIL ON DRAWING ON SECTION 16770.

EDIA RECEIVER OUTLET, GLE DATA OUTLET (ONE RJ-45), NMUM 3" ABOVE TÒP OF R TO DETAIL ON DRAWING E200, CTION 16770.

EDIA RECEIVER OUTLET, GLE DATA OUTLET (ONE RJ-45), AINIMUM 3" ABOVE TOP OF R TO DETAIL ON DRAWING E200, CTION 16770.

ED SPEAKER ASSEMBLY LING, CONNECTED TO EM, SEE SPECIFICATIONS FOR ENTS. SUBSCRIPT INDICATES

KER ASSEMBLY FOR ATION SYSTEM, SEE MOUNTING REQUIREMENTS.

V _D	TELECOMMUNICATIONS OUTLET FOR VOIP PHONE/DATA (TWO RJ-45), FLUSH MOUNTED AT 18" ABOVE FINISHED FLOOR, OR AS NOTED. SEE DETAILS ON DRAWING E200.
V S ⊳	TELECOMMUNICATIONS OUTLET FOR VOIP PHONE/DATA (TWO RJ-45), SURFACE MOUNTED AT 18" ABOVE FINISHED FLOOR, OR AS NOTED. SEE DETAILS ON DRAWING E200.
•	TELECOMMUNICATIONS OUTLET FOR ANALOG PHONE/DATA (TWO RJ-25, ONE RJ-45), FLUSH MOUNTED AT 18" ABOVE FINISHED FLOOR, OR AS NOTED. SEE DETAILS ON DRAWING E200.
∢ S	TELECOMMUNICATIONS OUTLET FOR ANALOG PHONE/DATA (TWO RJ-25, ONE RJ-45), SURFACE MOUNTED AT 18" ABOVE FINISHED FLOOR, OR AS NOTED. SEE DETAILS ON DRAWING E200.
Þ	DATA ONLY OUTLET (TWO RJ-45) FLUSH MOUNTED AT 18" ABOVE FINISHED FLOOR, OR AS NOTED. SEE DETAILS ON DRAWING E200.
S þ	DATA ONLY OUTLET (TWO RJ-45) SURFACE MOUNTED AT 18" ABOVE FINISHED FLOOR, OR AS NOTED. SEE DETAILS ON DRAWING E200.
-\$-	FLUSH CEILING MOUNTED FIRE ALARM AUDIO/VISUAL DEVICE WITH CANDELA INTENSITY AS INDICATED ON THE DRAWINGS.
⊠ 15CD	FLUSH CEILING MOUNTED FIRE ALARM VISUAL ONLY DEVICE WITH CANDELA INTENSITY AS INDICATED ON THE DRAWINGS.

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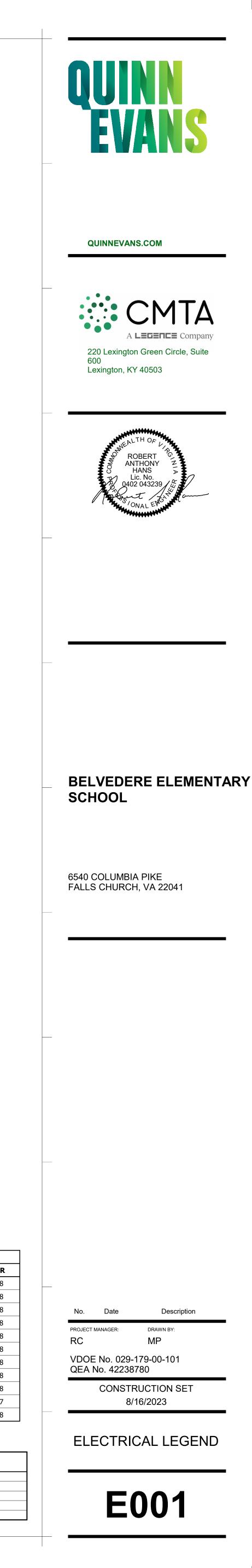
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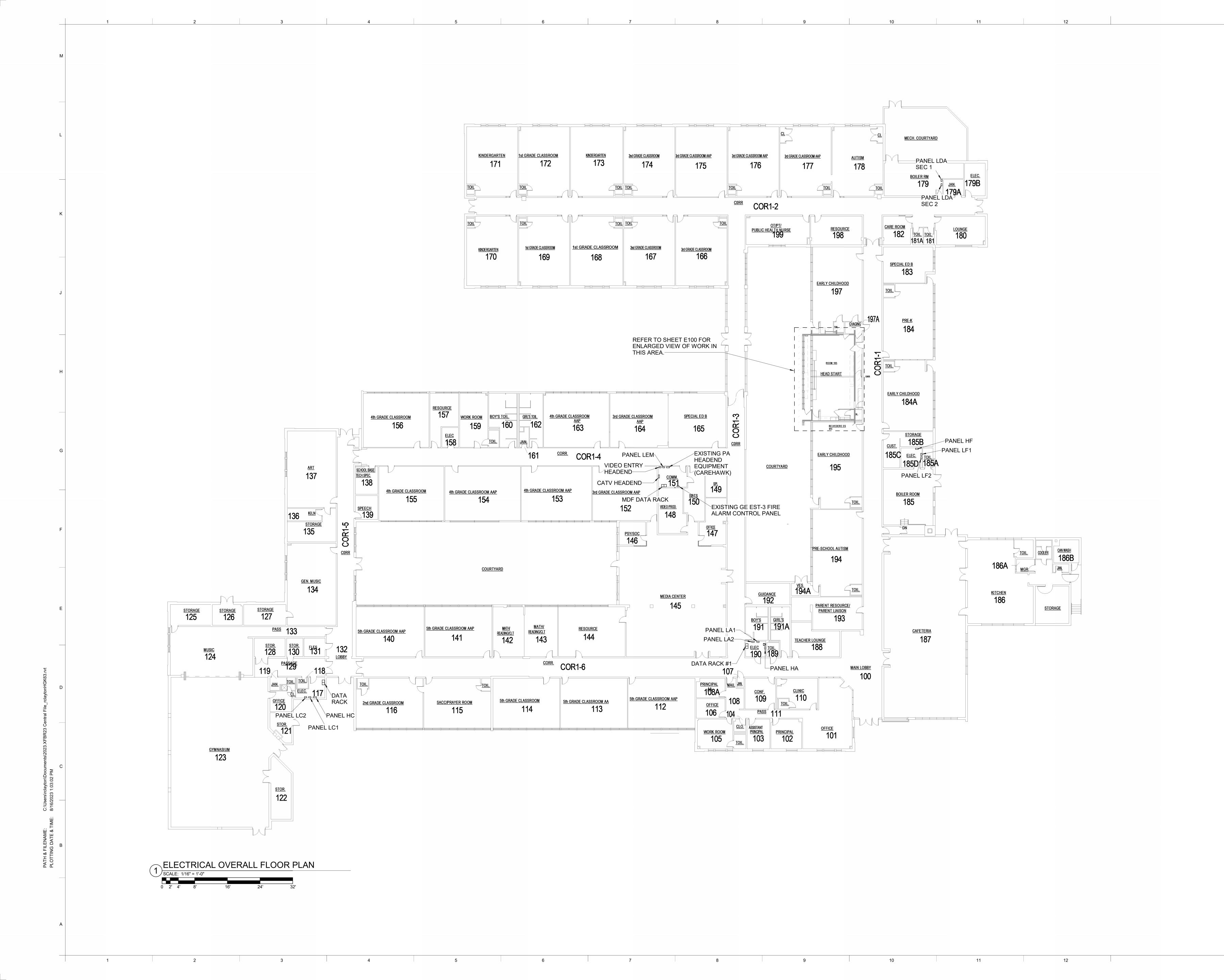
APPLICABLE BUILDING CODES DOCUMENT YEAR	Z
VIRGINIA STATEWIDE FIRE PREVENTION CODE STATE EDITION 2018	;
VIRGINIA BUILDING AND FIRE CODE RELATED REGULATIONS STATE EDITION 2018	;
VIRGINIA CONSTRUCTION CODE (VCC) STATE EDITION 2018	;
VIRGINIA ENERGY CONSERVATION CODE (VECC) STATE EDITION 2018	;
INTERNATIONAL FIRE CODE (IFC) STATE EDITION 2018	;
VIRGINIA FUEL GAS CODE (VFGC) STATE EDITION 2018	;
VIRGINIA MECHANICAL CODE (VMC) STATE EDITION 2018	;
VIRGINIA PLUMBING CODE (VPC) STATE EDITION 2018	;
VIRGINIA ELECTRICAL CODE (VEC) STATE EDITION 2018	;
NATIONAL ELECTRICAL CODE (NEC) NFPA 70 2017	,
VIRGINIA EXISTING BUILDING CODE (VEBC) STATE EDITION 2018	}

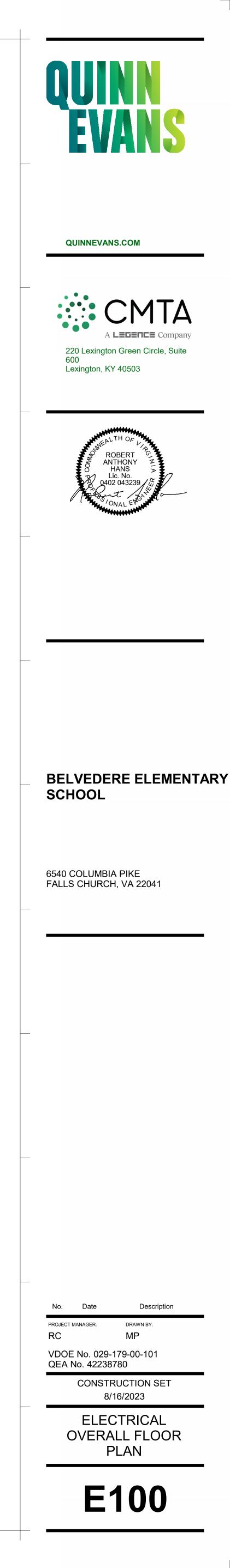
ELECTRICAL DRAWING INDEX							
SHEET #	SHEET NAME						
E001	ELECTRICAL LEGEND						
E101	ELECTRICAL FLOOR PLANS						
E200	ELECTRICAL DETAILS						
E100	E100 ELECTRICAL OVERALL FLOOR PLAN						

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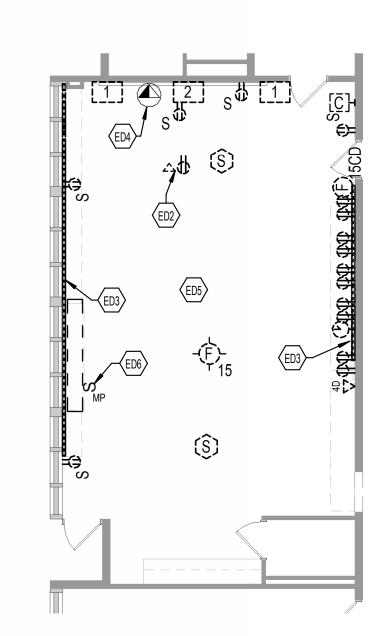


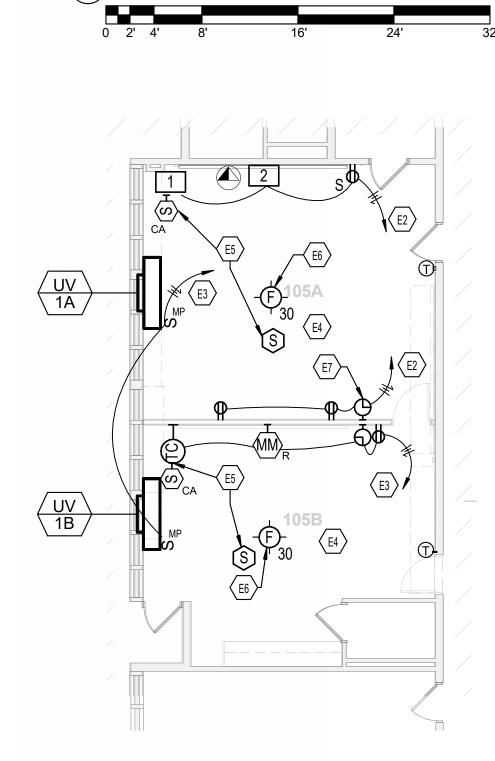




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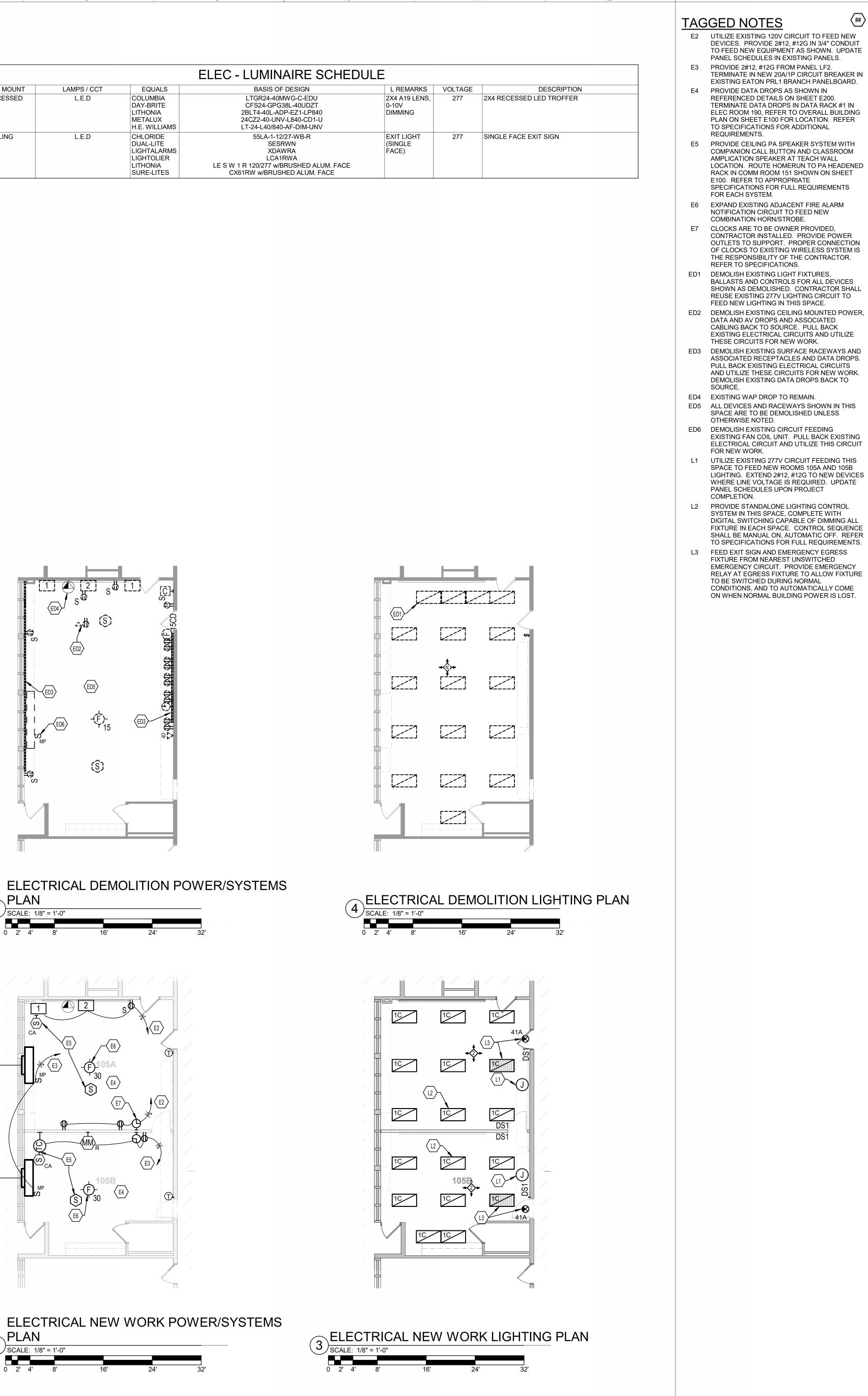
				ELEC -
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41A	CEILING	L.E.D	CHLORIDE DUAL-LITE LIGHTALARMS LIGHTOLIER LITHONIA SURE-LITES	LE S W 1 CX6

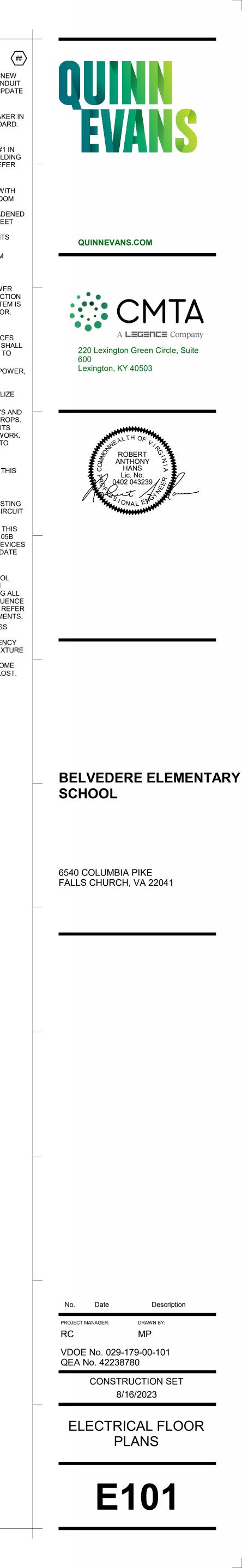




2 PLAN SCALE: 1/8" = 1'-0"

ELECTRICAL NEW WORK POWER/SYSTEMS SCALE: 1/8" = 1'-0" 0 2' 4





		1		2	3	3	4		5		6	
	М											
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							SUPPL RECEIVER	PTACLE/POWER _Y, MULTI-MEDIA R OUTLET/DATA. 86 THREE GANG	R		SEE NOTES 4 A DISTRIBUTION I DESIGNATION (DROP NUMBER	FRAME A-Z) & STATION
	E							989AVD DIVIDER	3" MIN SEE NOTE 4		RACKJACK FR	RACKJACK INSEF
									- CLASSROOM / SYSTEM SPE/	AMPLIFICATION		
3K63.rvt									CALLBACK SV _ CEILING	OVE CEILING AND E VITCH. CONNECT TO SEE FLOOR PLANS.	0	
al File_rclaytonH	D						NOT 8 30"		GLE CABLE TV/I			RKERBOARD
3.XFBR23 Centra									LET, CONNECT LET ABOVE MA	DIA TRANSMITTER TO RECEIVER RKERBOARD.		
Documents\2023 PM	с						18" 			HBL986 THREE BL989AVD DIVIDER F	FINISHED FLOC	RECEPTACLE
C:\Users\rclayton\E 8/16/2023 1:03:14							1. THIS CONT 2. ALL RECEP SAME CIRC 3. REFER TO 0	TACLES AND MUI CUIT. REFER TO P COMMUNICATION	_TI-MEDIA OUTL OWER FLOOR F IS FLOOR PLAN	STALLATION WITH I LETS SHOWN SHALL PLANS. S FOR DATA/CATV (JLTI-MEDIA PROJEC	L BE CONNECT	ED TO THE
							FURNISHED 5. A.) WHERE USED SIDE BY THE MARKERE	D BY OWNER. ONE (1) INNER 8' SIDE: LOCATE A BOARD.	AND TWO (2) O BOVE 8' MARKE	UTER 6' TEACHING RBOARD, AND MIN.	WALL MARKEF 10" FROM C	RBOARDS ARE CENTERLINE OF
Path & Filename: Plotting date & Time:	В						SIDE: LOCATE MARKERBC C.) WHERE CENTERLIN	E ABOVE 12' MARK DARDS MEET. ONE (1) 6' TEACH NE OF THE MARKE	ERBÖÄRD AND IING WALL MAR ERBOARD.	HING WALL MARKEN MIN. 24" FROM WHI KERBOARD IS USEI	ERE THE TWO	
							7. INSTALLATI RECEPTACLES 8. BOUNDARY	S.	TARY SCHOOL	SHALL BE USE TAM WITH "TC" SYMBOL		
	A								WALL D	EVICE LAY	<u>YOUT D</u>	ETAIL
				1			MP-033 UPDATED: 12/20					

2

3

4

IG WALL DEVICE LAYOUT DETAIL NO SCALE

5

6

SEE NOTE 4 INSERT	
SYSTEM SPEAKER.	
1-1/4" EMPTY CONDUIT BETWEEN OUTLET	
BOXES TO ABOVE CEILING AND BUSH. (TYP)	
CALLBACK SWITCH. CONNECT TO CEILING	V4047C-2
SPEAKER(S), SEE FLOOR PLANS.	
SINGLE CABLE TV/DUAL TELECOMM OUTLET	WIR (TYF
HUBBELL RECEPTACLE/POWER	WIR
SUPPLY, MULTI-MEDIA TRANSMITTER	FITT
OUTLET ABOVE MARKERBOARD.	
GANG BOX WITH HBL989AVD DIVIDER FINISHED FLOOR	NOTE NO. 1: CALL BACK SWITCH CONSISTING OF WIREMOLD/ORTRON
FINISHED FLOOR	 · ONE (1) V4047C-1 DEVICE PLATE. · ONE (1) CALL BACK SWITCH WITH SINGLE GANG STAINLESS STEEL
ALL COORDINATE INSTALLATION WITH MARKERBOARD INSTALLATION.	NOTE NO. 2: DIGITAL SWITCH CONSISTING OF WIREMOLD/ORTRONICS
MULTI-MEDIA OUTLETS SHOWN SHALL BE CONNECTED TO THE	· ONE (1) V4047C-1 DEVICE PLATE. · ONE (1) DIGITAL SWITCH (MARKERBOARD LIGHTING).
TIONS FLOOR PLANS FOR DATA/CATV OUTLET ADDRESSES.	
MENSIONS WITH MULTI-MEDIA PROJECTION SYSTEM EQUIPMENT	NOTE NO. 3: CATV, DATA AND MULTI-MEDIA OUTLET CONSISTING OF V
ER 8' AND TWO (2) OUTER 6' TEACHING WALL MARKERBOARDS ARE	· ONE (1) V4050 DEVICE PLATES. · ONE (1) OR-TJ600-00 (CAT. 6) T568A/B TRACKJACK INSERTS WITH C
TE ABOVE 8' MARKERBOARD, AND MIN. 10" FROM CENTERLINE OF	· ONE (1) OR-TJ600 (CAT. 6) T568A/B TRACKJACK INSERTS WITH OR-
	· ONE (1) OR-63700006 SINGLE "F" CONNECTOR TRACKJACK INSERT
ND ONE (1) 6' TEACHING WALL MARKERBOARDS ARE USED SIDE BY IARKERBOARD AND MIN. 24" FROM WHERE THE TWO	· ONE (1) 5507-4TJ DATACOM INSERT. · ONE (1) OR-42100002 BLANK TRACKJACK INSERT.
	· ONE (1) 5507D DUPLEX RECEPTACLE FACEPLATE MODULE.
EACHING WALL MARKERBOARD IS USED: LOCATE MIN. 10" FROM ARKERBOARD.	· ONE (1) NEMA 5-20R DUPLEX RECEPTACLE.
TEEL COVERS.	 · ONE (1) V4047C-2 DEVICE PLATE. · ONE (1) HUBBELL HBL2444D2AIV 2 GANG EXTRA DEEP BOX WITH D
MENTARY SCHOOL SHALL BE USE TAMPER RESISTANCE TYPE DUPLEX	ONE (1) DUPLEX RECEPTACLE & POWER SUPPLY. SEE SPECIFICAT
DEVICES INCLUDED WITH "TC" SYMBOL. ALL OTHER DEVICES ARE	INFORMATION.
ONLY. SYMBOL (TC)	 ONE (1) MULTI-MEDIA PRESENTATION CONTROL SYSTEM TRANSMI 16770 FOR MORE INFORMATION.
Ϋ́	· ONE 2 GANG STAINLESS STEEL COVER.
G WALL DEVICE LAYOUT DETAIL	
	POWER COLUMN
NO SCALE	PC-001 NO SCALE

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UPDATED 3/2022

7

INSTALLATION.

BRANCH CIRCUIT

RACEWAY - REFER TO

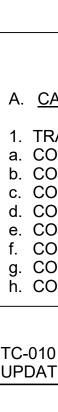
CONTINUATION (TYPICAL)

4010DFO ENTRANCE END

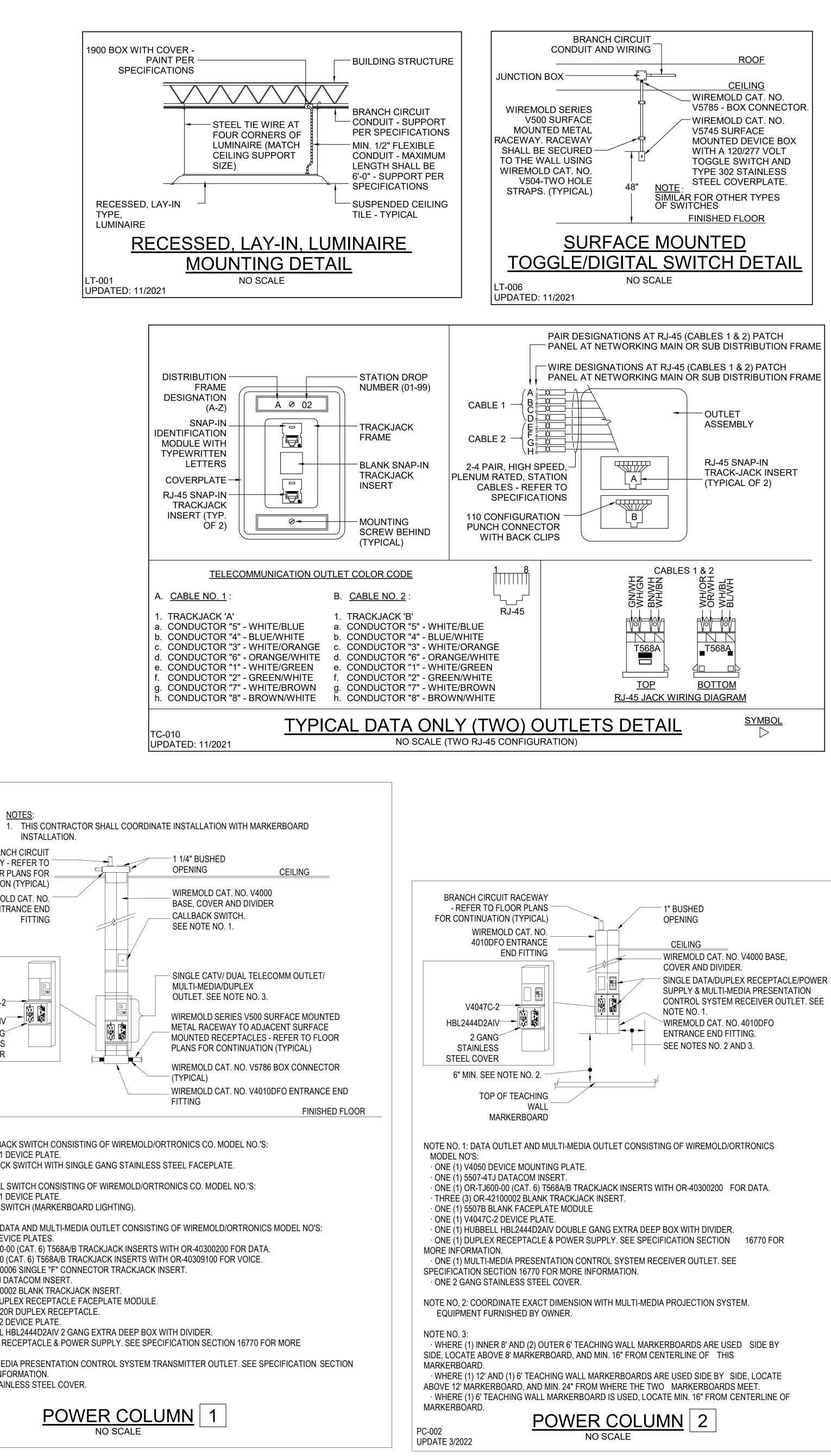
FLOOR PLANS FOR

WIREMOLD CAT. NO.

FITTING



LT-001 UPDATED: 11/2021



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