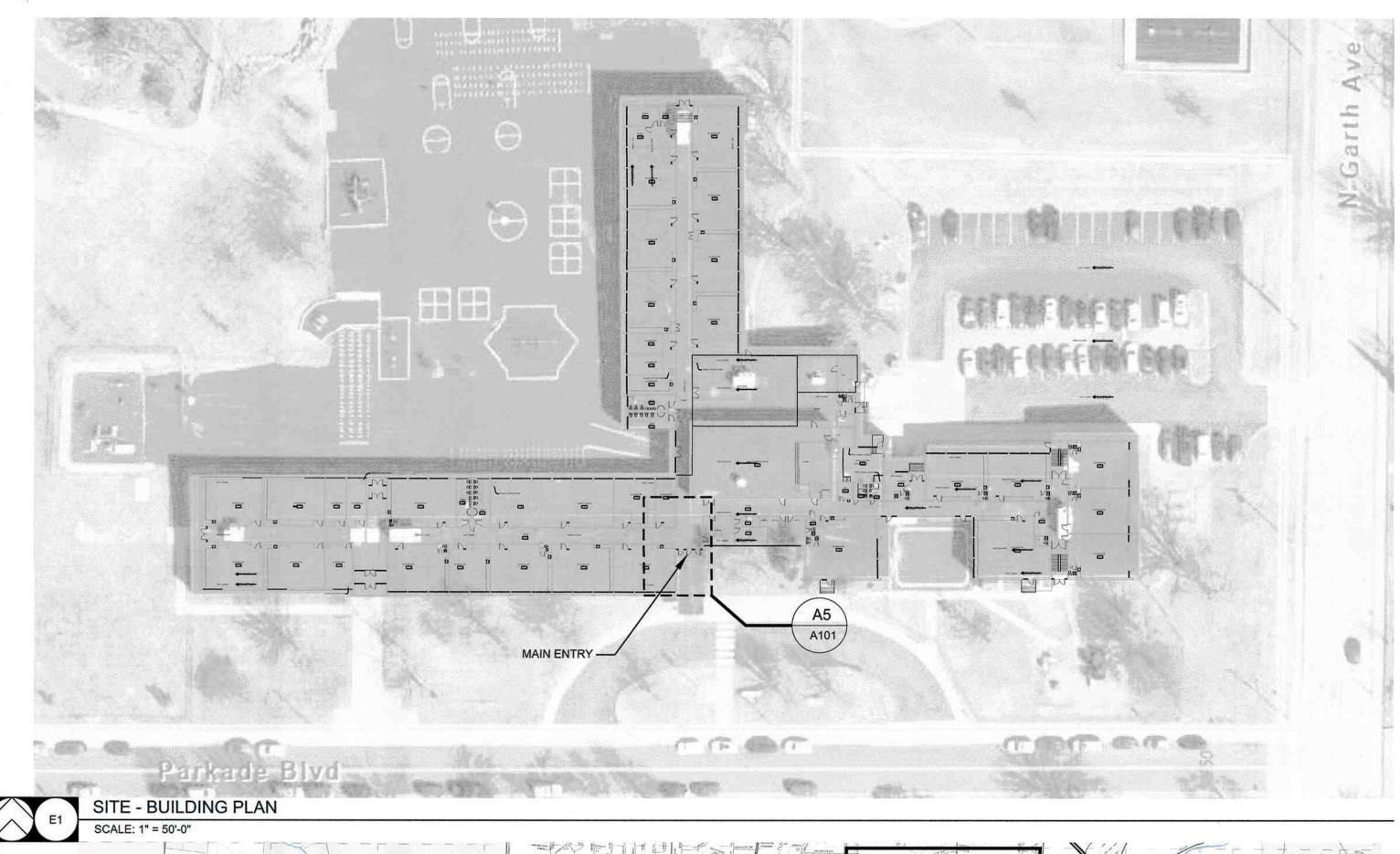
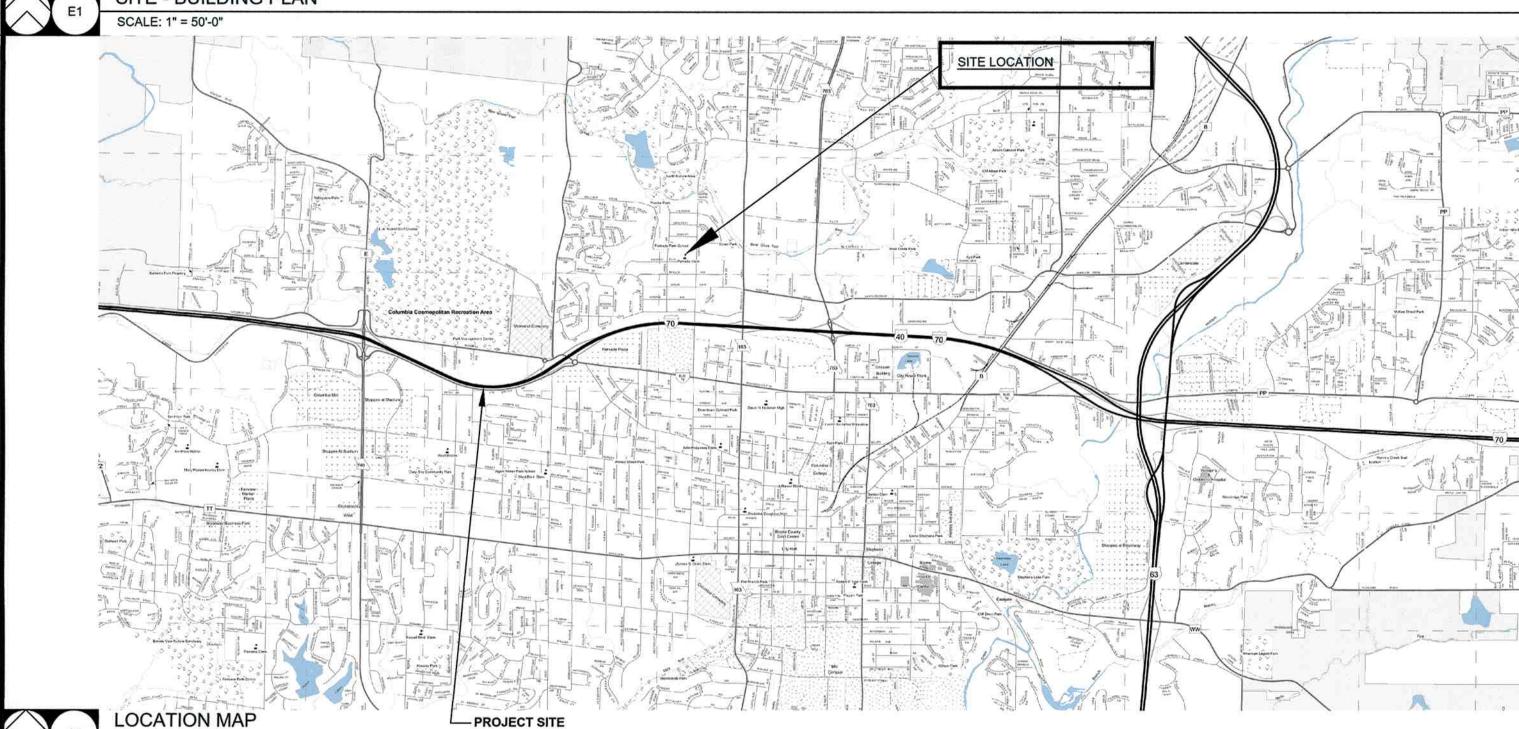
## COLUMBIA PUBLIC SCHOOLS

# SECURITY & ADA MAIN ENTRANCE AT PARKADE ELEMENTARY

111 PARKADE BLVD. COLUMBIA, MO 65201





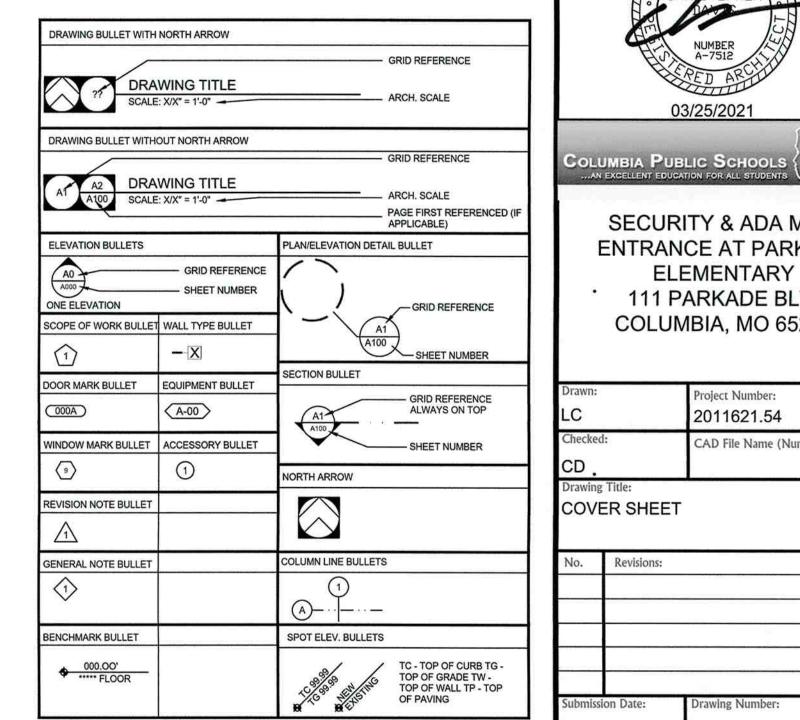
G-001	COVER SHEET - SYMBOL & MATERIAL LEGENDS, DRAWING LIST
ARCHITE	ECTURAL
A-101	PLANS, ELEVATION AND DOOR SCHEDULE
A-102	SECTIONS AND DETAILS
MECHAN	NICAL, ELECTRICAL & PLUMBING
ME001	MECHANICAL ELECTRICAL DETAILS & SCHEDULES
ME100	ELECTRICAL PLAN



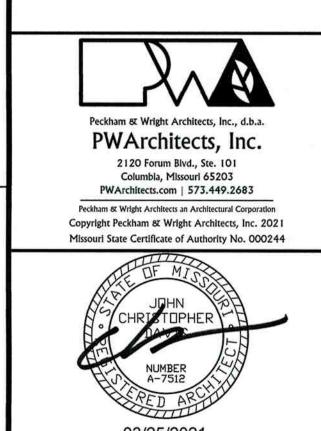
LIST OF DRAWINGS
SCALE: NTS

LARGE S	SCALE	SMALLS	SCALE
BRICK MASONRY UNIT			PLAN, SECTION ELEVATION
CONCRETE MASONRY UNIT			PLAN, SECTION ELEVATION
CONCRETE			PLAN, SECTION
GYPSUM BOARD			PLAN, SECTION ELEVATION
GROUTED AREA OF: CMU/CAVITY/DOOR FRAME			PLAN, SECTION
MISCELLANEOUS ITEMS: AS NOTED ON EACH SHEET			PLAN, SECTION, ELEVATION
INSULATION			PLAN, SECTION
ROOF SHINGLES			PLAN, ELEVATION
CONTINUOUS WOOD FRAMING	$\geq$		PLAN, SECTION
WOOD BLOCKING			PLAN, SECTION
PLYWOOD	,',',		PLAN, SECTION
EXISTING BUILDING			PLAN, SECTION





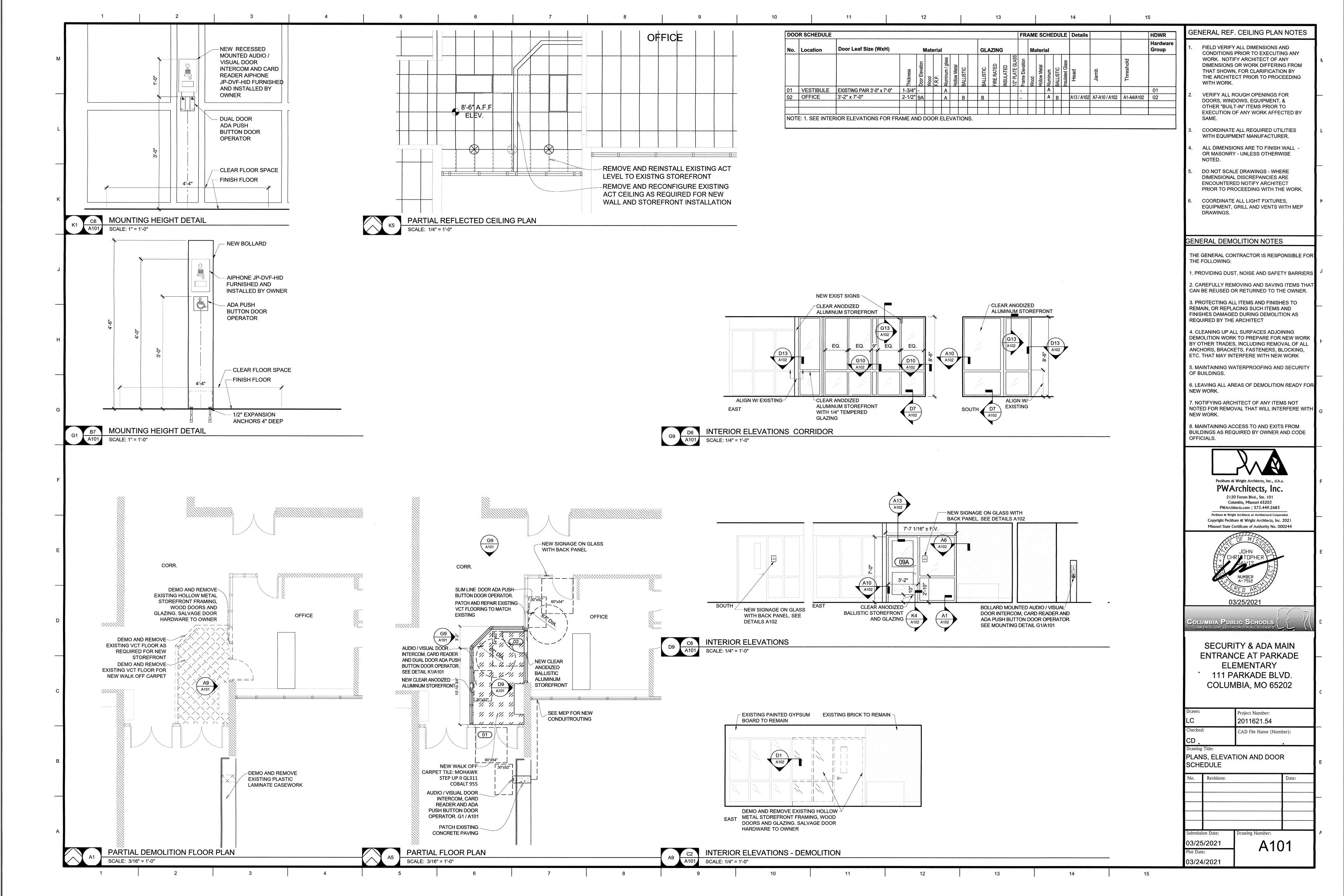
SYMBOL LEGEND SCALE: NTS

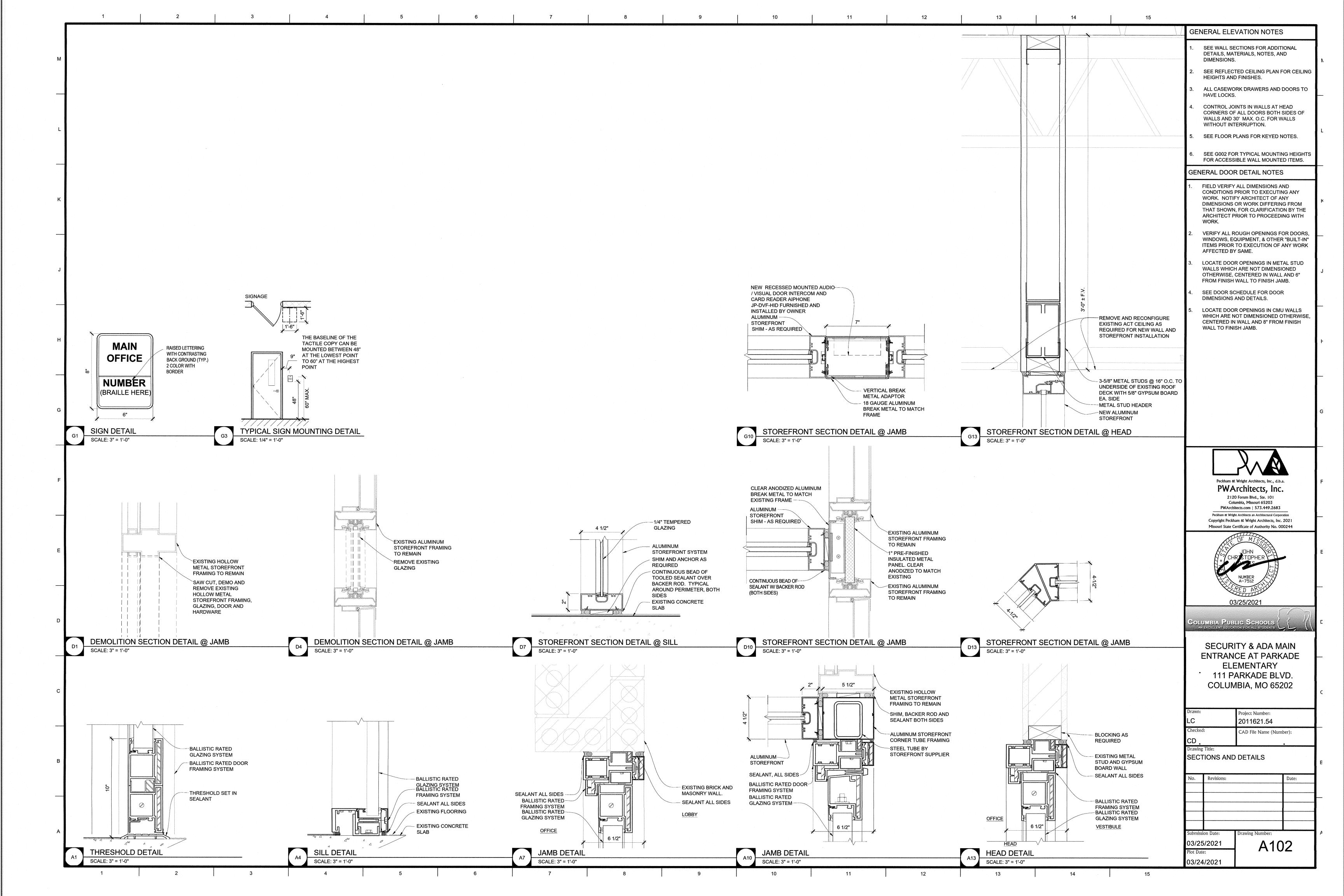


SECURITY & ADA MAIN **ENTRANCE AT PARKADE ELEMENTARY** 111 PARKADE BLVD. COLUMBIA, MO 65202

Drawn:		Project Number:	
LC		2011621.54  CAD File Name (Number):	
Checke	d:		
CD.			•
COV	g Title: ER SHEET	Г	
No.	Revisions:		Date:
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Submis	sion Date:	Drawing Number:	
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#### POWER SYMBOL LEGEND

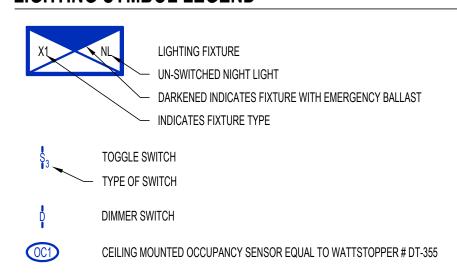


ASTRONOMICAL TIME CLOCK SWITCH EQUAL TO INTERMATIC # ET8215C 120-277V.

SET TIMER TO TURN ON LIGHTS FROM DUSK TILL DAWN.

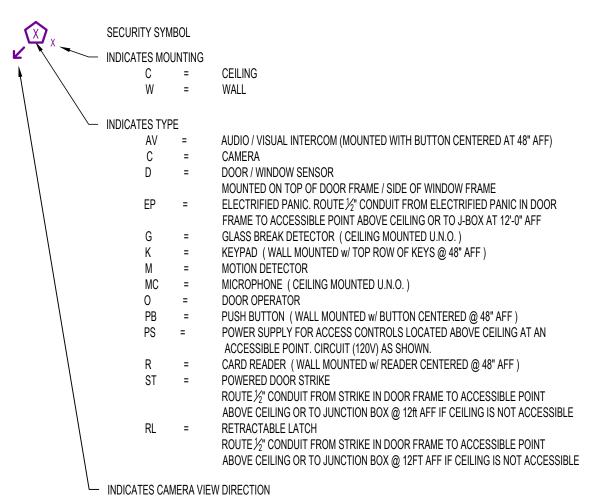
## LIGHTING SYMBOL LEGEND

TIE INTO EXISTING



## **SECURITY SYMBOL KEY**

NOTE: SYMBOLS LEGEND IS COMPREHENSIVE. SOME SYMBOLS OR VARIATIONS THEREOF MAY NOT BE USED ON PLANS. MOUNTING HEIGHTS OF ALL ACCESSIBLE ACCESS CONTROL DEVICES SHALL BE PER ADA REQUIREMENTS LISTED BELOW UNLESS NOTED OTHERWISE. MOUNTING HEIGHTS OF ALL OTHER DEVICES SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.



BASED ON THE FOLLOWING CODES					
2018	INTERNATIONAL MECHANICAL CODE				
2018	INTERNATIONAL PLUMBING CODE				
2018	INTERNATIONAL FUEL GAS CODE				
2018	INTERNATIONAL FIRE CODE				
2017	NATIONAL ELECTRIC CODE				
2018	INTERNATIONAL ENERGY CONSERVATION CODE				

MANUFACTURER\*

METALUX

SURE-LITES

MODEL NO.\*

24FP4735C

APCH7 UNV R

TYPE

2x4 FLAT PANEL

EM. LT/EXIT COMBO

VOLTS

120

120

0.34

0.17

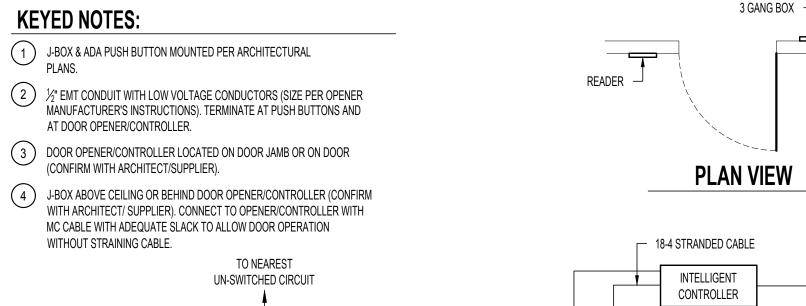
MARK

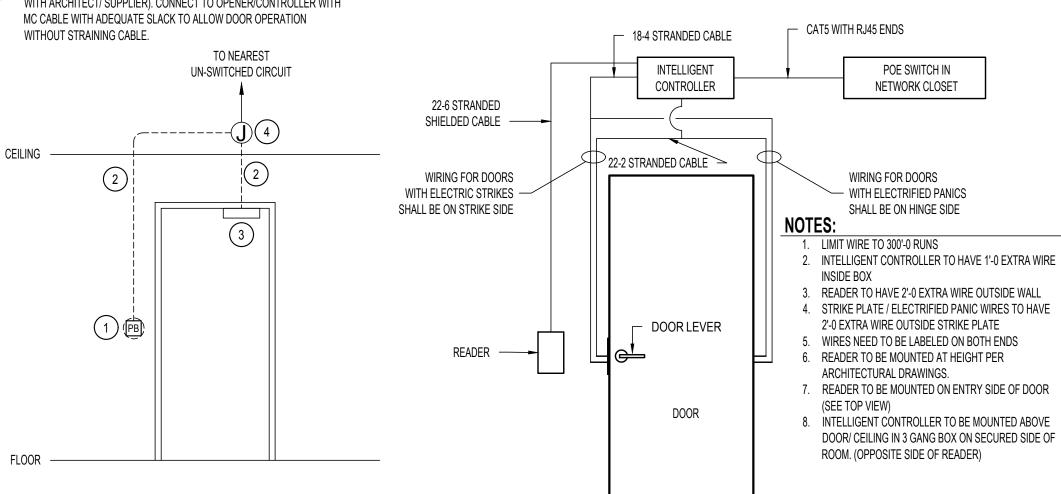
\* OR EQUAL

- GENERAL MECHANICAL-ELECTRICAL-PLUMBING SPECIFICATIONS ALL WORK SHALL BE DONE IN STRICT CONFORMANCE WITH THE LOCAL BUILDING CODES.
- ALL MATERIALS SHALL BE NEW, FIRST CLASS, AND INSTALLED TO MANUFACTURER'S WRITTEN SPECIFICATIONS. ALL SYSTEMS SHALL BE COMPLETE AND OPERABLE IN EVERY WAY.
- 4. DO ALL EXCAVATION, BACK FILLING, CUTTING, PATCHING, OFFSETTING, ADJUSTING, AND BALANCING AS REQUIRED TO
- 5. SPECIFIC MODELS ARE SPECIFIED TO ESTABLISH QUALITY ONLY. SUBSTITUTIONS MAY BE MADE WITH ENGINEER'S
- 6. GUARANTEE ALL WORKMANSHIP AND MATERIALS FOR ONE YEAR FROM FINAL ACCEPTANCE. PROVIDE FIVE YEAR AIR
- CONDITIONING COMPRESSOR WARRANTY.
- INSPECT JOB SITE PRIOR TO BIDDING TO DETERMINE EXACT JOB REQUIREMENTS. SEE ARCHITECTURAL DRAWINGS FOR CONSTRUCTION DETAILS.
- ARCHITECTURAL DRAWING DIMENSIONS SHALL GOVERN IN ALL CASES. COORDINATE ENGINEERING DRAWINGS WITH ARCHITECTURAL DRAWINGS FOR ALL EQUIPMENT LAYOUTS AND LOCATIONS.
- LAYOUTS AND ROUTINGS SHOWN ON THE PLANS ARE APPROXIMATE AND GENERAL IN NATURE. CONTRACTORS ARE REQUIRED TO INSPECT THE JOBSITE FOR INTERFERENCES, OBSTRUCTIONS, AND CONFLICTS AND NOTIFY THE ENGINEER OF THE SAME, AND INCLUDE IN THEIR BID AND WORK SCOPE ALL ASSOCIATED COSTS TO MODIFY THE LAYOUTS AND ROUTINGS AS NECESSARY TO ACCOMMODATE THE INSTALLATION OF THEIR WORK AROUND SUCH INTERFERENCES, OBSTRUCTIONS, AND CONFLICTS.
- CONTRACTOR IS TO INCLUDE COSTS FOR ALL PERMITS, INSPECTIONS, TAPS, METERS & FUEL ASSOCIATED WITH HIS WORK. CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND UNDERSTANDING ALL DRAWINGS AND ASPECTS OF THE PROJECT SCOPE, AND FOR INCLUDING IN HIS BID ALL WORK ASSOCIATED WITH HIS TRADE, REGARDLESS OF WHICH DRAWING OR SHEET IT IS SHOWN ON.

### **ELECTRICAL SPECIFICATIONS**

- . ALL CONDUCTORS SHALL BE THHN COPPER ABOVE GRADE, XHHW-2 BELOW GRADE, MINIMUM #12 OR LARGER AS REQUIRED
- 2. ALL SERVICE WIRING, EXPOSED TO WEATHER, OR WIRING BELOW GRADE, SHALL BE IN RIGID GALVANIZED CONDUIT OR
- SCH. 40 PVC. 3. ALL OTHER WIRING SHALL BE IN EMT, SCHEDULE 40 PVC, OR MC CABLE, UNLESS PROTECTED AND ENCLOSED WITHIN
- BUILDING MATERIALS, IN WHICH CASE TYPE NM CABLE MAY BE USED. 4. WALL SWITCHES SHALL BE LEVITON #CS120 SERIES, OR APPROVED EQUAL, 20A, COLOR SHALL BE DETERMINED BY
- ARCHITECT. DIMMER SWITCHES SHALL BE SELECTED BY CONTRACTOR TO BE COMPATIBLE WITH LIGHT FIXTURES PROVIDED, COLOR SHALL BE DETERMINED BY ARCHITECT.
- 5. DUPLEX RECEPTACLES SHALL BE TAMPER RESISTANT LEVITON #T580 SERIES, OR APPROVED EQUAL, 20A, GROUNDING, MATCHING COVER PLATE, COLOR AS DETERMINED BY ARCHITECT. USE SIDE WIRING ONLY.
- 6. ARC-FAULT CIRCUIT INTERRUPTER BREAKERS SHALL BE COMBINATION TYPE BY SQUARE D, AND SHALL HAVE A DEDICATED
- NEUTRAL WIRE THROUGHOUT THE CIRCUIT. 7. THE ENTIRE SYSTEM SHALL BE ELECTRICALLY CONTINUOUS AND PROPERLY GROUNDED. EVERY FEEDER AND BRANCH
- CONDUIT SHALL HAVE CODE SIZED GREEN INSULATED GROUND CONDUCTOR. 8. FURNISH AND INSTALL ALL LIGHTING FIXTURES, LAMPS, FUSES, BREAKERS, ETC. TO COMPLETE THE BRANCH CIRCUITS
- 9. ALL 120V, 20A LIGHTING AND RECEPTACLE CIRCUITS REQUIRING MORE THAN 100' OF CONDUCTORS (ONE WAY) SHALL BE #10
- 10. PROVIDE TYPEWRITTEN BREAKER SCHEDULE IN EACH PANELBOARD INDICATING ITEMS AND DEVICES SERVED BY ALL
- BREAKERS IN EACH PANEL.
- 11. PERMANENTLY LABEL DISCONNECTS FOR HVAC EQUIPMENT WITH EQUIPMENT SERVED, AND PANEL AND CIRCUIT NUMBER. 12. UNDERGROUND SPLICES TO BE MADE WITH DEVICES RATED FOR THAT APPLICATION.
- 13. ALL ELECTRICAL PANELS AND DISCONNECTS SHALL HAVE A PERMANENT ARC-FLASH LABEL AFFIXED PER NEC 110.16. 14. ROUGH-IN FOR TEMPERATURE CONTROLS SHALL BE BY ELECTRICAL CONTRACTOR. REFER TO MECHANICAL PLANS AND DETAILS.





**AUTOMATIC DOOR OPERATOR WIRING SCHEMATIC** 

LIGHTING SCHEDULE

40.4

AMPS | WATTS | LUMENS | CCT (°K) | CRI

3500

4990

LAMPS

LED

MOUNTING

GRID

WALL/CLG

REMARKS

THOICATES APWR1 REMOTE HEAD OVER EXT. DOORS

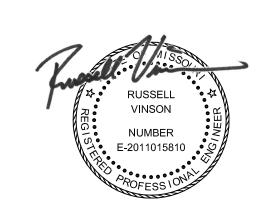
**ACCESS CONTROL DETAIL** 

CONTROLLER

Peckham & Wright Architects, Inc., d.b.a. PWArchitects, Inc. 2120 Forum Blvd, Suite 101 Columbia, Missouri 65203 PWArchitects.com | 573.449.2683 Peckham & Wright Architects an Architectural Corporation



THE PROFESSIONAL ENGINEER'S SEAL ON THIS DRAWING HAS BEEN AFFIXED IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 327, RSMO. IN AFFIXING THIS SEAL THE ENGINEER TAKES RESPONSIBILITY FOR THE WORK SHOWN ON THIS DRAWING ONLY, AND HEREBY DISCLAIMS ANY AND ALL RESPONSIBILITY FOR OTHER PROJECT DRAWINGS NOT DIRECTLY BEARING THIS SEAL.



MARCH 25th, 202

RUSSELL VINSON, P.E. PE-2011015810 CERTIFICATE OF AUTHORITY TO OFFER ENGINEERING SERVICES CUSTOM ENGINEERING, INC. CERTIFICATE OF AUTHORITY #: 000239

COLUMBIA PUBLIC SCHOOLS SECURITY & ADA MAIN ENTRANCE AT PARKADE **ELEMENTARY** 111 PARKADE BLVD.

COLUMBIA, MO 65202

TE Project Number: 21013 PWA Project Number: 201621.54

Drawing Title: MECHANICAL ELECTRICAL **DETAILS & SCHEDULES** 

100% CD PERMIT & BID 03/25/2021 03/25/2021

03/23/2021

