

# LSD Attwood Cafeteria and Kitchen Renovations

## Addendum No. 1

### Narrative of Changes

<b>Project Name:</b>	Attwood Cafeteria and Kitchen Renovations SO-1851	<b>Date:</b>	April 3, 2026
<b>Project Location:</b>	915 Attwood Dr, Lansing, MI 48911	<b>Architect's Project #:</b>	26000747A
<b>Owner/Client:</b>	Lansing School District	<b>Attention:</b>	David Beckering
<b>Issued to:</b>	Beckering Construction	<b>Email:</b>	djb@beckering.com
<b>City/State:</b>	Grand Rapids, MI	<b>Zip:</b>	49548

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 Express     Pick-up     Email  
 Mail     UPS     FTP

**This Addendum revises the Contract Documents and shall have the same force and effect; make the following changes to the Specifications and Drawings for this project. The following is a written summary of the changes made by this Addendum. Strict attention should be given to the Drawings and Specifications for area take-off, quantities and items deleted or revised herein. This addendum forms a part of the Contract Documents.**

<b>Issued by CED by:</b>	Courtney Norris	<b>Date Signed:</b>	04/03/2026
<b>Prepared by:</b>	Courtney Norris	<b>Date Signed:</b>	04/03/2026
<b>Distribution:</b>			

Below is a list of the changes made to our documents in response to the comments, RFIs, or clarifications provided prior to Bid. Please feel free to reach out with any further questions or clarifications in a timely manner.

Sincerely,  
Courtney Norris

## General Notes/ Clarifications

- Alternate 1A: Provide a deduct alternate to remove scope in Kitchen Prep 91. This includes all demo, electrical, plumbing, casework and finishes in this room. Deduct should be provided in the voluntary alternate section of the Bid Form.
- Alternate 2A: Provide an alternate price to prep Multi-Purpose walls before paint by removing all loose and peeling paint, providing an abrasive sanding and then washing the walls with a cleaner/ degreaser before applying the extreme bond primer. Base bid is to remove all paint to bare substrate with blasting or chemical peel. Alternate to be provided in the voluntary alternate section of the Bid Form.
- See attached images of existing walls in the Multi-Purpose Room A-108 depicting the state of the peeling paint.

## Drawings

- G000 – COVER Sheet (Reissued)
  - Added electrical sheets to sheet list
- A101 – FIRST FLOOR PLAN AND ELEVATIONS (Reissued)
  - Added paint designation on tectum panels in elevation
- A141 – FIRST FLOOR FINISH PLAN (Reissued)
  - Revised painting specification to include paint system for tectum panels.
  - Revised steel decking paint specification to indicate flat finish.
  - Updated paint basis of design.
  - Revised color of tectum panels.
- E100 – ELECTRICAL SYMBOLS AND SPECIFICATOINS
  - New sheet
- EL101 – FIRST FLOOR PLAN – LIGHTING
  - New sheet
- EL102 – FIRST FLOOR PLAN – EMERGENCY LIGHTING
  - New sheet
- EP101 – FIRST FLOOR PLAN – POWER
  - New sheet

**ATTACHMENTS**

LSD Attwood Cafeteria and Kitchen Renovations – Multi-purpose Room A-108 Photos

Reissued Drawings:  
G000, A101, A141

New Drawings:  
E100, EL101, EL102, EP101

Clarifications 1, 2, 3

**END OF ADDENDUM NO. 1**

# LSD Attwood Cafeteria and Kitchen Renovations

## Multi-Purpose Room A-108 Photos

04/03/2026



Figure 1: North wall Multi-Purpose Room



*Figure 2: Peeling paint on East wall Multi-Purpose Room*



Figure 3: Peeling paint on North wall Multi-Purpose Room



Figure 4: East wall Multi-Purpose Room



*Figure 5: Results from cross-cut adhesion test with SW extreme bond primer.*

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# ATTWOOD CAFETERIA AND KITCHEN RENOVATIONS SO-1851

915 ATTWOOD DR  
LANSING, MI 48911

04/03/26

## PROJECT CONTACT LIST

**OWNER:**  
LANSING SCHOOL DISTRICT  
519 W KALAMAZOO  
LANSING, MI  
CONTACT: TODD COE

**ELECTRICAL ENGINEER:**  
CLASSIC ENGINEERING  
100 CESAR E CHAVEZ AVE SW, #400  
GRAND RAPIDS, MI  
CONTACT: CINDY LADEWIG

**ARCHITECT:**  
COLLIERS ENGINEERING & DESIGN  
560 5TH ST, STE 305  
GRAND RAPIDS, MI  
CONTACT: COURTNEY NORRIS  
PHONE: 616-827-4276

**MECHANICAL ENGINEER:**  
CLASSIC ENGINEERING  
100 CESAR E CHAVEZ AVE SW, #400  
GRAND RAPIDS, MI  
CONTACT: LARRY WOOD

**CONTRACTOR:**  
BECKERING CONSTRUCTION  
850 44TH ST SE  
GRAND RAPIDS, MI  
CONTACT: DAVID BECKERING

## DRAWING INDEX

SHEET INDEX	
00 - GENERAL	
G000	COVER SHEET
G001	CODE COMPLIANCE & LIFE SAFETY PLANS
04 - ARCHITECTURAL	
A001	GENERAL NOTES AND LEGENDS
A002	GENERAL REQUIREMENTS
AD101	DEMOLITION PLANS
AD141	DEMOLITION ELEVATIONS
A101	FIRST FLOOR PLAN AND ELEVATIONS
A121	FIRST FLOOR CEILING PLAN
A141	FIRST FLOOR FINISH PLAN
08 - ELECTRICAL	
E100	ELECTRICAL SYMBOLS AND SPECIFICATIONS
EL101	FIRST FLOOR PLAN - LIGHTING
EL102	FIRST FLOOR PLAN - EMERGENCY LIGHTING
EP101	FIRST FLOOR PLAN - POWER

**PROJECT SCOPE**  
INTERIOR RENOVATIONS OF EXISTING MULTI-PURPOSE ROOM AND ADJACENT KITCHEN STORAGE; CONSISTING OF PAINT, ACOUSTIC TREATMENT, AND CASEWORK.

**APPLICABLE BUILDING CODES**

BUILDING CODE: 2021 MICHIGAN BUILDING CODE  
2021 MICHIGAN REHABILITATION CODE - ALTERATION LEVEL ONE

MI FIRE SAFETY STATE RULES: NFPA 101, 2012  
2016 SCHOOL FIRE SAFETY RULES

MECHANICAL CODE: 2021 MICHIGAN MECHANICAL CODE

PLUMBING CODE: 2021 MICHIGAN PLUMBING CODE

ELECTRICAL CODE: 2023 MICHIGAN ELECTRICAL CODE, PART 8 RULES (BY REFERENCE 2023 NEC)

ACCESSIBILITY: BARRIER FREE - ICC A117.1-2017

ENERGY CODE: 2021 MICHIGAN ENERGY CODE

**BUILDING DATA**

EXISTING BUILDING AREA: 45,300 SF  
CONSTRUCTION TYPE: II-B NON-COMBUSTIBLE  
NON-SPRINKLERED

RENOVATION AREA: 2,292 SF

**USE AND OCCUPANCY**

BUILDING IS CLASSIFIED AS "E" EDUCATIONAL

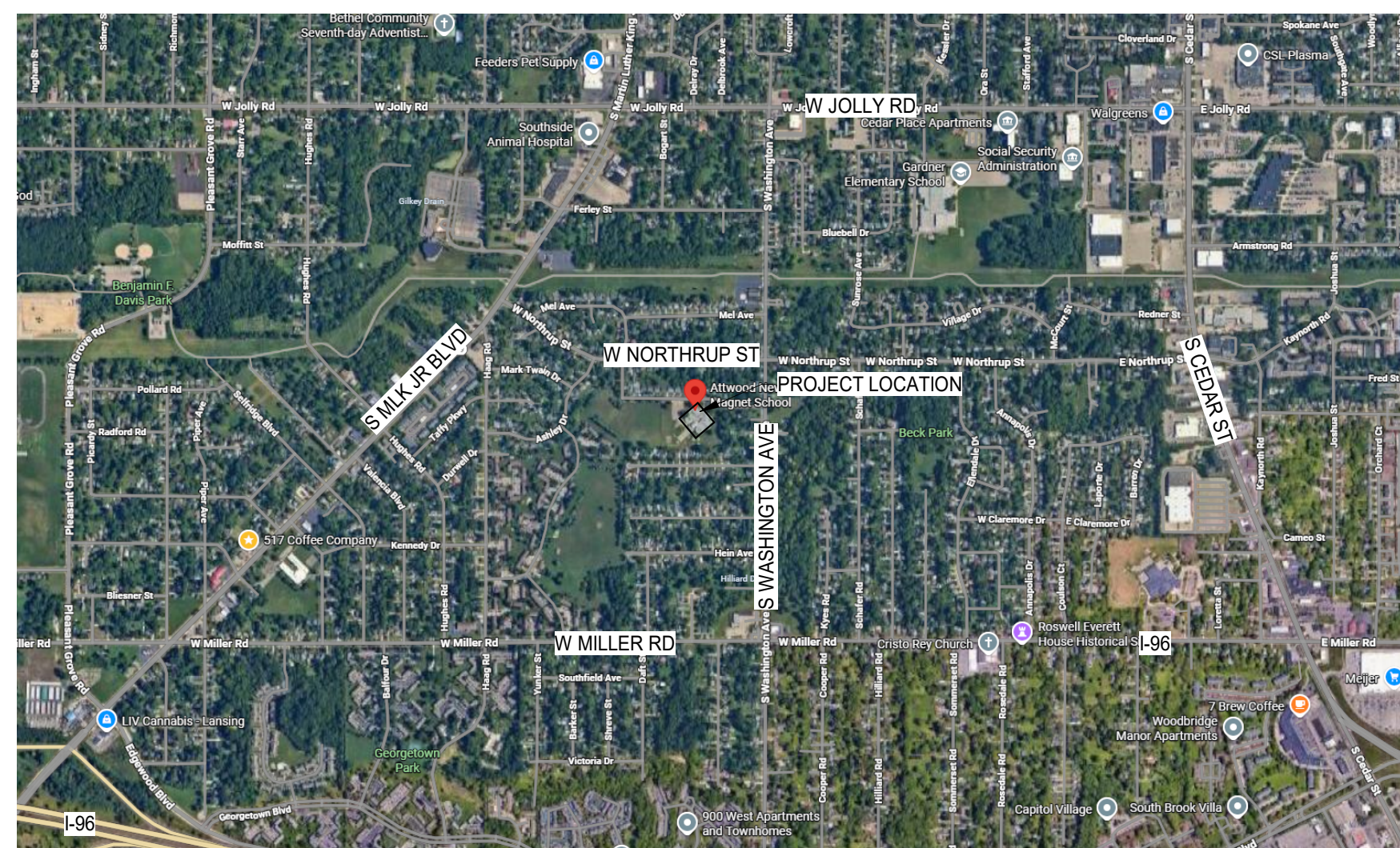
**INTERIOR FINISH**

SECTION 803 INTERIOR FINISH AND TRIM; NON-SPRINKLERED TABLE 803.11  
INTERIOR FINISHES AND TRIM SHALL MEET FLAME SPREAD, SMOKE DEVELOPED AND CLASS RATINGS AS REQUIRED FOR SPECIFIC USE AND AREA: E

REV	DATE	DESCRIPTION
3	03/13/26	BID PACK 2 - BIDS & PERMITS
4	04/03/26	BID PACK 2 - ADDENDUM 1



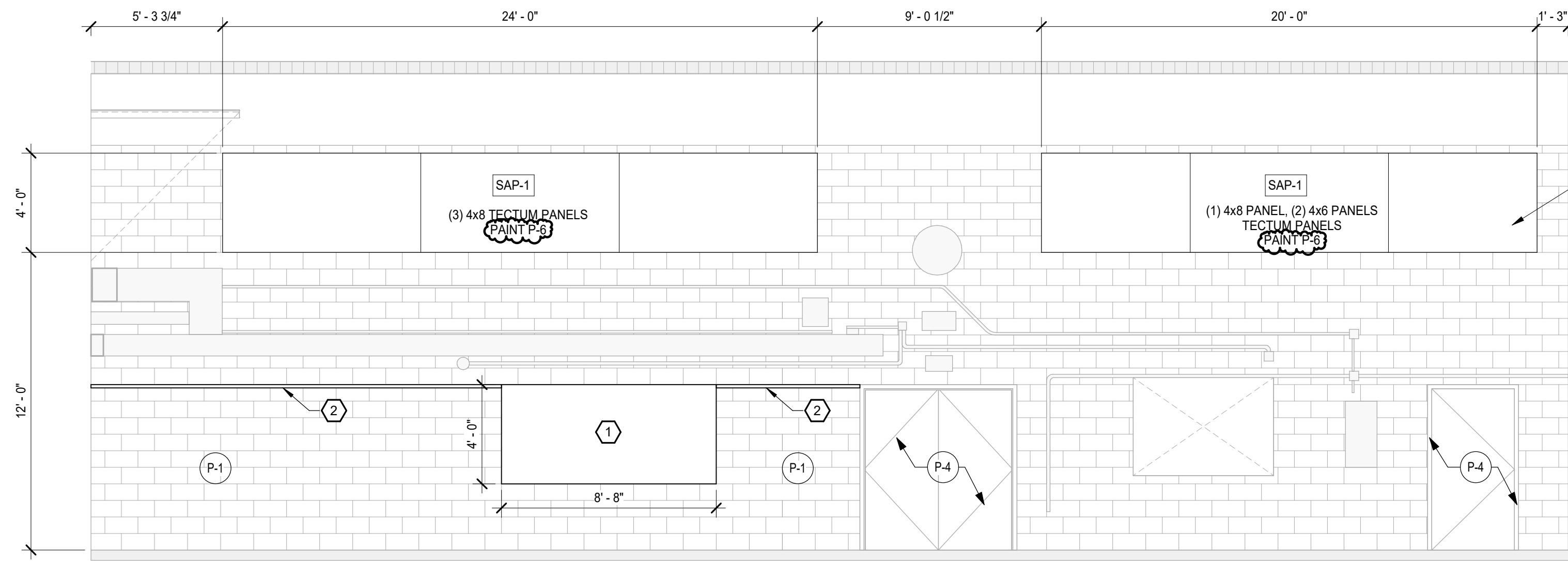
## PROJECT LOCATION MAP



MI ARCHITECTURE  
FIRM LICENSE # NLP000605

DRAWING NUMBER:  
**G000**

NOTE: DO NOT SCALE DRAWING FOR CONSTRUCTION.



BASIS OF DESIGN:  
TECTUM HIGH NRC DIRECT-ATTACH  
WALL PANELS. PROVIDE 3/4" FURRING  
STRIPS @ 24" OC PER MANUFACTURE  
INSTALLATION REQUIREMENTS.

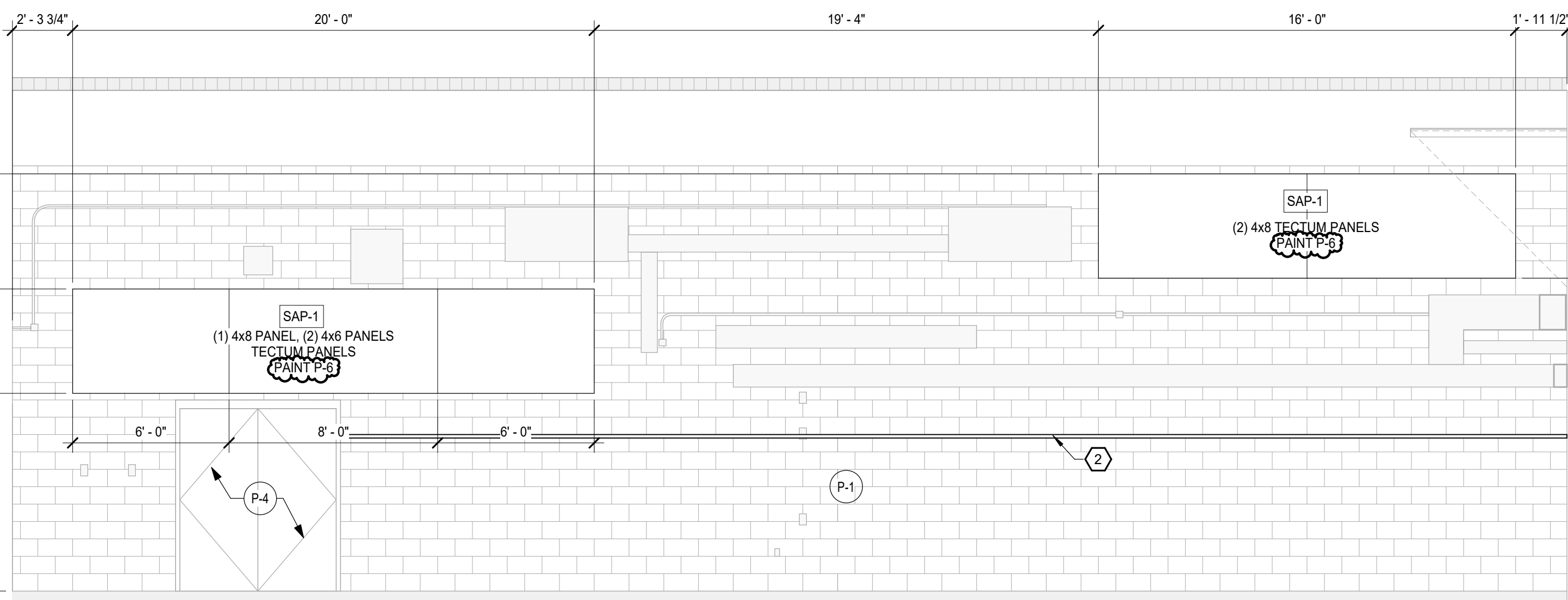
**KEYNOTES** (A)

- 1 NEW FRAMED TACK BOARD. CONFIRM DIMENSIONS ON SITE.
- 2 NEW TACK STRIP FULL LENGTH OF WALL. INSTALLATION AND HEIGHT TO BE COORDINATED WITH OWNER.
- 3 DO NOT PAINT EXISTING MECHANICAL UNITS.
- A4 EXISTING STRUCTURAL SUPPORTS TO REMAIN AS IS. MATCH EXISTING PAINT AS REQUIRED FOR TOUCH UP.

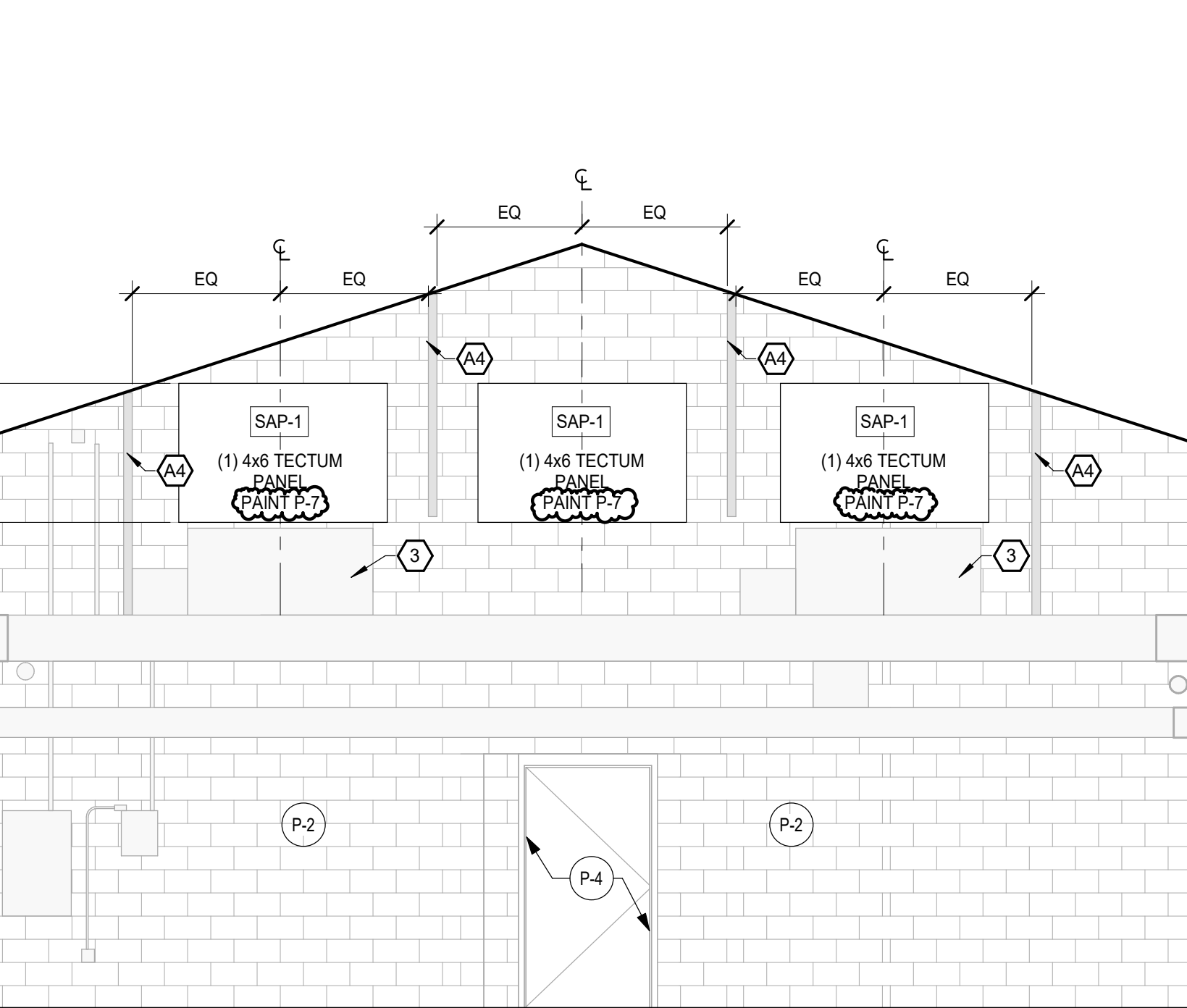
**GENERAL NOTES**

- A. REFER TO A001 SERIES DRAWINGS FOR SYMBOLS, NOTES, AND ADDITIONAL CODE INFORMATION.
- B. REFER TO AD100 SERIES DRAWINGS FOR DEMOLITION PLANS.
- C. REFER TO A120 SERIES DRAWINGS FOR REFLECTED CEILING PLANS AND DETAILS.
- D. REFER TO A140 SERIES DRAWINGS FOR GYM FLOOR STRIPING PLANS AND GENERAL FINISH NOTES.
- E. ADJUST SITE GRADING AS REQ'D TO MEET EXIST SIDEWALK. CONTRACTOR RESPONSIBLE FOR REPAIRING GRASS AREAS DISTURBED BY CONSTRUCTION TO LIKE CONDITIONS (NEW TOP SOIL, REGRADING, AND SEED).

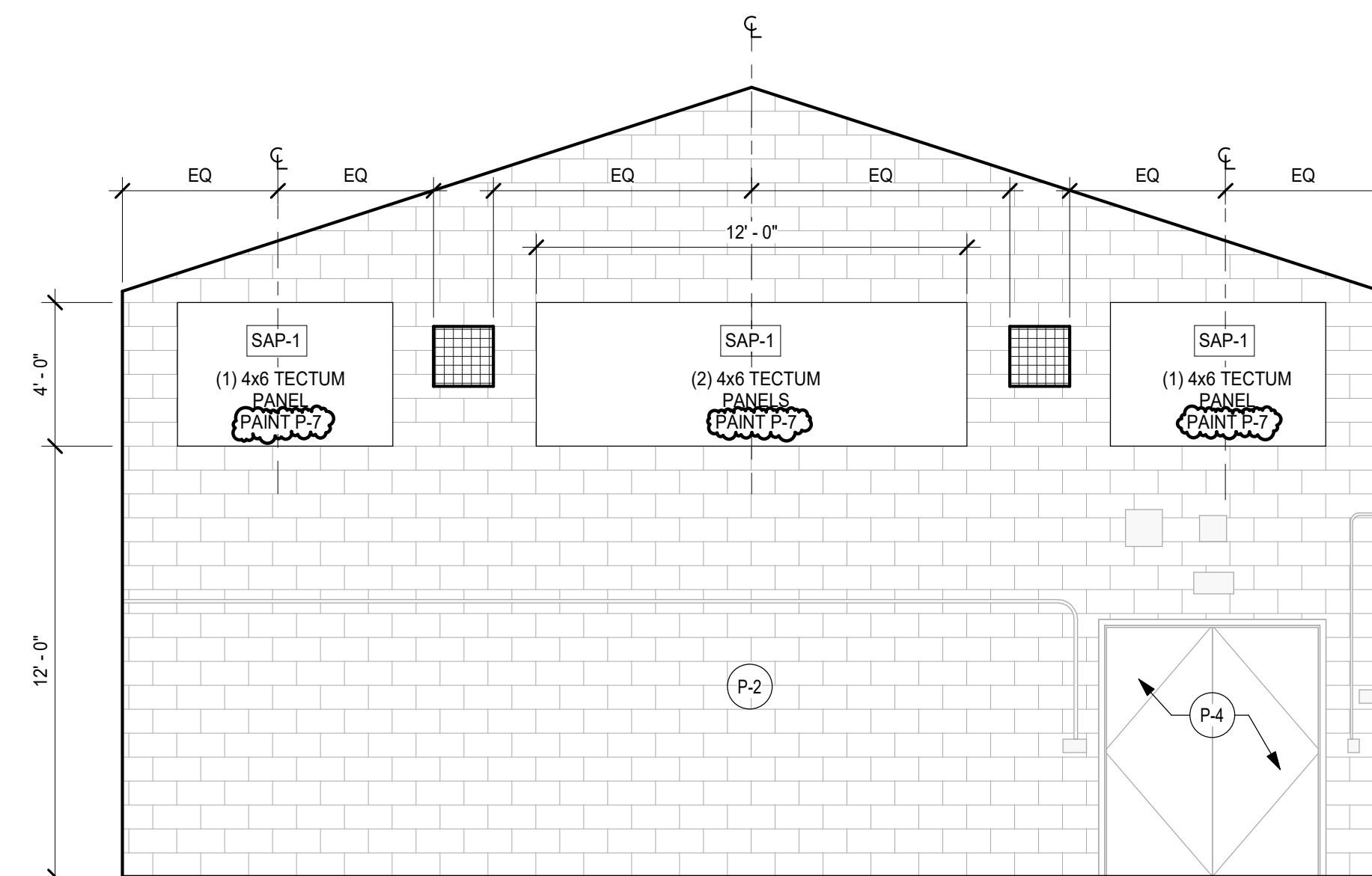
**5 INT WEST ELEV**  
SCALE : 1/4" = 1'-0"



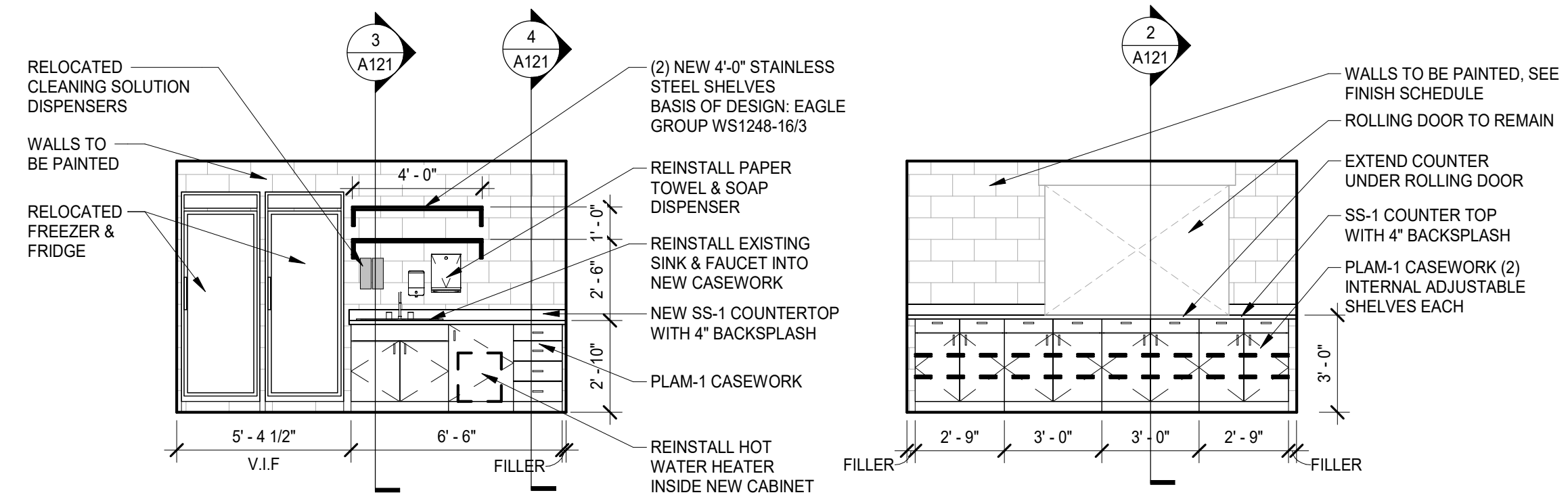
**4 INT EAST ELEV**  
SCALE : 1/4" = 1'-0"



**3 INT SOUTH ELEV**  
SCALE : 1/4" = 1'-0"

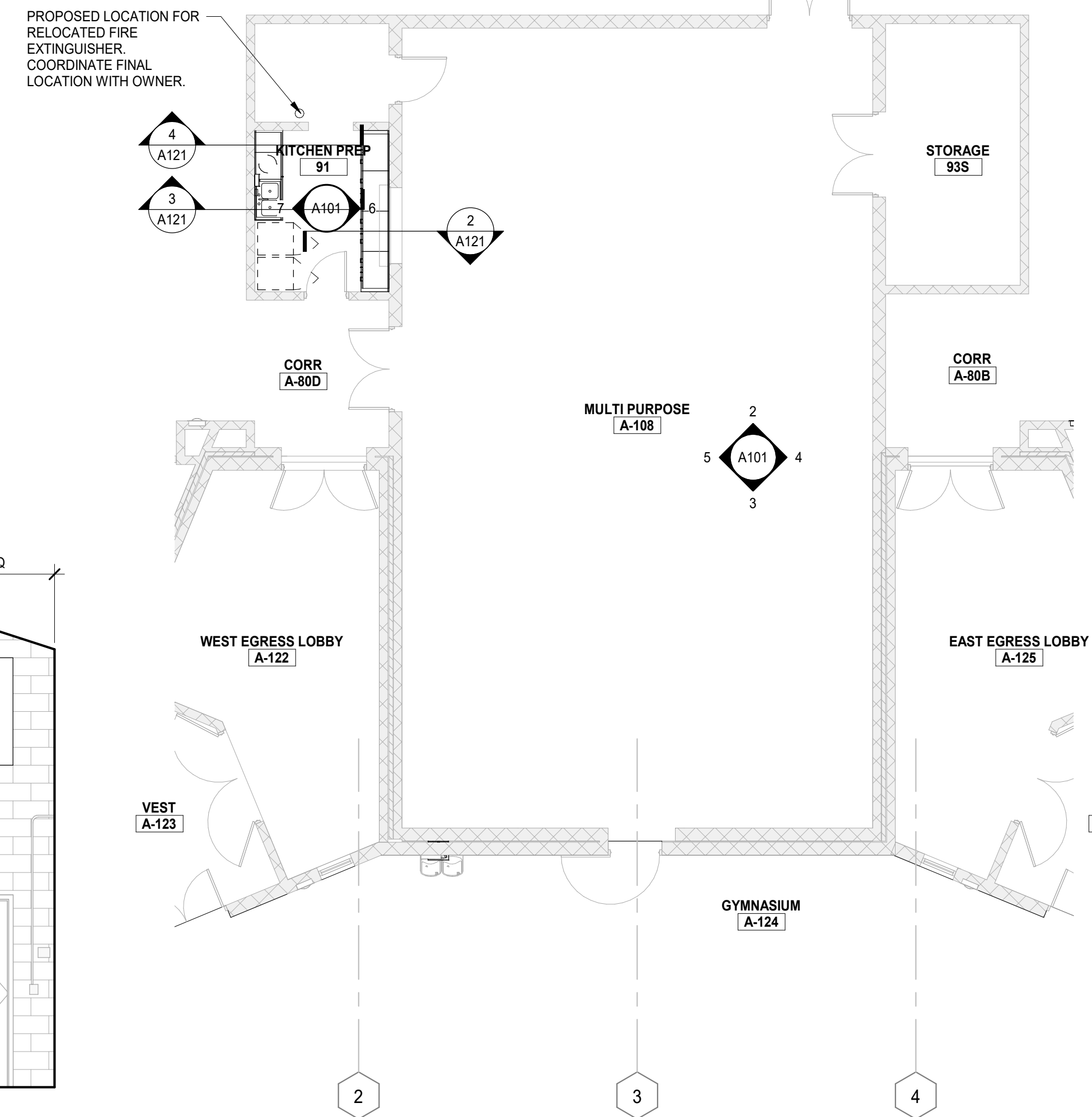


**2 INT NORTH ELEV**  
SCALE : 1/4" = 1'-0"



**7 INT KITCH WEST ELEV**  
SCALE : 1/4" = 1'-0"

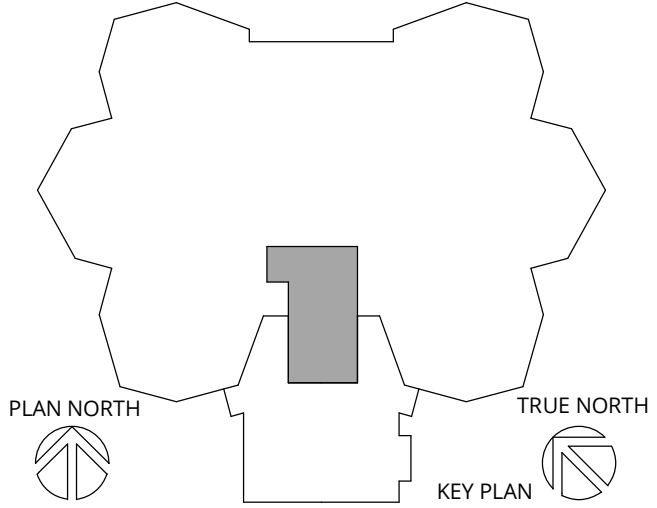
**6 INT KITCH EAST ELEV**  
SCALE : 1/4" = 1'-0"



**1 FIRST FLOOR PLAN**  
SCALE : 1/8" = 1'-0"

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REV	DATE	DESCRIPTION
3	03/13/26	BID PACK 2 - BIDS & PERMITS
4	04/03/26	BID PACK 2 - ADDENDUM 1



**LANSING SCHOOL DISTRICT**

**ATTWOOD CAFETERIA AND KITCHEN RENOVATIONS SO-1851**  
915 ATTWOOD DR  
LANSING, MI 48911

MI ARCHITECTURE  
FIRM LICENSE # NLP000605

**Colliers**  
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Surveying, CT F.C.

PROJECT MANAGER: <b>C NORRIS</b>	DISCIPLINE LEAD: <b>B HUYLER</b>
DESIGNER: <b>E POST</b>	REVIEWER:
DATE ISSUED: <b>04/03/26</b>	PROJECT NUMBER: <b>26000747A</b>

**FIRST FLOOR PLAN AND ELEVATIONS**

DRAWING NUMBER:  
**A101**

NOTE: DO NOT SCALE DRAWING FOR CONSTRUCTION.

064116 - PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS

1. PRODUCTS

- 1.1 PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS
A. QUALITY STANDARD: UNLESS OTHERWISE INDICATED, COMPLY WITH THE ARCHITECTURAL WOODWORK STANDARDS FOR GRADES OF CABINETS INDICATED FOR CONSTRUCTION, FINISHES, INSTALLATION, AND OTHER REQUIREMENTS.
a. PROVIDE CERTIFICATES FROM AWI CERTIFICATION PROGRAM INDICATING THAT WOODWORK AND INSTALLATION COMPLIES WITH REQUIREMENTS OF GRADES SPECIFIED.
b. THE CONTRACT DOCUMENTS CONTAIN REQUIREMENTS THAT ARE MORE STRINGENT THAN THE REFERENCED QUALITY STANDARD. COMPLY WITH REQUIREMENTS OF CONTRACT DOCUMENTS IN ADDITION TO THOSE OF THE REFERENCED QUALITY STANDARD.
B. ARCHITECTURAL WOODWORK STANDARDS GRADE: CUSTOM.
C. TYPE OF CONSTRUCTION: FRAMELESS.
D. DOOR AND DRAWER-FRONT STYLE: FLUSH OVERLAY.
E. HIGH-PRESSURE DECORATIVE LAMINATE: NEMA LD 3, GRADES AS INDICATED OR IF NOT INDICATED, AS REQUIRED BY QUALITY STANDARD.
a. BASIS-OF-DESIGN PRODUCT: AS INDICATED.
F. LAMINATE CLADDING FOR EXPOSED SURFACES:
a. HORIZONTAL SURFACES: GRADE HGS.
b. POST-FORMED SURFACES: GRADE HGP.
c. VERTICAL SURFACES: GRADE HGS.
d. EDGES: GRADE HGS.
e. PATTERN DIRECTION: VERTICALLY GOT DRAWER FRONTS, DOORS, AND FIXED PANELS.
G. MATERIALS FOR SEMI-EXPOSED SURFACES:
a. SURFACES OTHER THAN DRAWER BODIES: HIGH PRESSURE DECORATIVE LAMINATE, NEMA LD 3, GRADE VGS.
b. EDGES OF PLASTIC-LAMINATE SHELVES: PVC TAPE, 0.018-INCH MINIMUM THICKNESS, MATCHING LAMINATE IN COLOR, PATTERN, AND FINISH.
c. FOR SEMI-EXPOSED BACKS OF PANELS WITH EXPOSED PLASTIC-LAMINATE SURFACES, PROVIDE SURFACE OF HIGH-PRESSURE DECORATIVE LAMINATE, NEMA LD 3, GRADE VGS.
d. DRAWER SIDES AND BACKS: SOLID-HARDWOOD LUMBER.
e. DRAWER BOTTOMS: HARDWOOD PLYWOOD.
H. DUST PANELS: 1/4-INCH PLYWOOD OR TEMPERED HARDBOARD ABOVE COMPARTMENTS AND DRAWERS UNLESS LOCATED DIRECTLY UNDER TOPS.
I. CONCEALED BACKS OF PANELS WITH EXPOSED PLASTIC-LAMINATE SURFACES: HIGH-PRESSURE DECORATIVE LAMINATE, NEMA LD 3, GRADE BKL.
J. DRAWER CONSTRUCTION: FABRICATE WITH EXPOSED FRONTS FASTENED TO SUBFRONT WITH MOUNTING SCREWS FROM INTERIOR TO BODY.
a. JOIN SUBFRONTS, BACKS, AND SIDES WITH GLUED RABBETED JOINTS SUPPLEMENTED BY MECHANICAL FASTENERS.
1.2. WOOD MATERIALS
A. PROVIDE MATERIALS THAT COMPLY WITH REQUIREMENTS OF REFERENCED QUALITY STANDARD FOR EACH TYPE OF ARCHITECTURAL CABINET AND QUALITY GRADE SPECIFIED.
a. WOOD PRODUCTS:
b. WOOD MOISTURE CONTENT: 5 TO 10 PERCENT.
c. COMPOSITE WOOD PRODUCTS:
d. PRODUCTS SHALL BE MADE WITHOUT UREA FORMALDEHYDE.
e. SOFT PLYWOOD: DOC PS 1, MEDIUM-DENSITY OVERLAY.
f. THERMALLY FUSED LAMINATE (TFL) PANELS: PARTICLE BOARD OR MDF FINISHED WITH THERMALLY FUSED, MELAMINE-IMPREGNATED DECORATIVE PAPER AND COMPLYING WITH REQUIREMENTS OF NEMA LD 3, GRADE VGL, FOR TEST METHODS 3.3, 3.4, 3.6, 3.8, AND 3.10.
1.3. CABINET HARDWARE AND ACCESSORIES
A. WIRE PULLS: BACK MOUNTED, SOLID METAL, 4 INCHES LONG, 5/16 INCH IN DIAMETER.
B. HINGED DOORS: DOORS 36 INCHES AND MORE IN HEIGHT SHALL HAVE THREE HINGES AND DOORS LESS THAN 36 INCHES IN HEIGHT SHALL HAVE TWO HINGES. EACH DOOR SHALL CLOSE AGAINST TWO RUBBER BUMPERS.
a. HINGES: FABRICATE HINGES WITH MINIMUM 2 MM THICK CHROMIUM PLATED STEEL LEAVES, AND WITH MINIMUM 3.5 MM DIAMETER STAINLESS STEEL PIN. HINGES SHALL BE FIVE KNUCKLE DESIGN WITH 83 MM HIGH LEAVES AND HOSPITAL TYPE TIPS.
b. FASTENERS: PROVIDE FULL THREAD WOOD SCREWS TO FASTEN HINGE LEAVES TO DOOR AND CABINET FRAME. FINISH SCREWS TO MATCH FINISH OF HINGES.
c. CATCHES: MAGNETIC CATCHES, ANSIBHMA A156.9, B03141.
d. ADJUSTABLE SHELF STANDARDS AND SUPPORTS: ANSIBHMA A156.9, B04071; WITH SHELF RESTS, B04081.
e. SHELF RESTS: ANSIBHMA A156.9, B04013; METAL.
f. DRAWER SLIDES: ANSIBHMA A156.9.
a. HEAVY-DUTY (GRADE 1HD-100 AND GRADE 1HD-200); SIDE MOUNT.
b. TYPE: FULL EXTENSION.
c. MATERIAL: ALUMINUM SLIDES.
d. MOTION FEATURE: SELF-CLOSING MECHANISM.
G. DOOR AND DRAWER SILENCERS: ANSIBHMA A156.16, L03011.
1.4 MISCELLANEOUS MATERIALS
A. FURRING, BLOCKING, SHIMS, AND HANGING STRIPS: SOFTWOOD OR HARDWOOD LUMBER, KILN-DRIED TO LESS THAN 15 PERCENT MOISTURE CONTENT.
B. ANCHORS: SELECT MATERIAL, TYPE, SIZE, AND FINISH REQUIRED FOR EACH SUBSTRATE FOR SECURE ANCHORAGE. PROVIDE METAL EXPANSION SLEEVES OR EXPANSION BOLTS FOR POST-INSTALLED ANCHORS. USE NONFERROUS-METAL OR HOT-DIP GALVANIZED ANCHORS AND INSERTS AT INSIDE FACE OF EXTERIOR WALLS AND AT FLOORS.
C. ADHESIVES: DO NOT USE ADHESIVES THAT CONTAIN UREA FORMALDEHYDE.
D. ADHESIVE FOR BONDING PLASTIC LAMINATE: UNPIGMENTED CONTACT CEMENT.
a. ADHESIVE FOR BONDING EDGES: HOT-MELT ADHESIVE OR ADHESIVE SPECIFIED ABOVE FOR FACES.
099123 - INTERIOR PAINTING:
A. BASIS OF DESIGN MANUFACTURER: SHERWIN WILLIAMS. ALSO ACCEPTABLE: BENJAMIN MOORE AND PPG PAINTS.
B. PREPARATION OF SURFACES TO RECEIVE PAINT: CLEAN, DRY, DULL, AND SOUND.
C. PAINT SYSTEMS:
a. CMU:
b. PRIMER: EXTREME BOND PRIMER, B51 SERIES
1. 3.1 MILS WET, 9 MILS DRY.
c. ADHESION TEST: USE PRINCIPLES OF ASTM D3359 AFTER MINIMUM 7 DAY CURE TIME OF PRIMER TO ENSURE 90% OF COATING CONTINUES TO ADHERE, CONTACT COATINGS MANUFACTURER FOR ASSISTANCE AS NEEDED.
d. INTERMEDIATE COAT: MATCH TOPCOAT.
e. TOPCOAT: PRO INDUSTRIAL PRE-QAT EPOXY, K45-2150 SERIES.
1. 4.0 MILS WET, 1.6 MILS DRY PER COAT.
f. HOLLOW METAL FRAMES AND DOORS:
g. PRIMER: PRO INDUSTRIAL PRO CRYL UNIVERSAL PRIMER, B66-310 SERIES.
1. 5.0 TO 10 MILS WET, 2.0 TO 4.0 MILS DRY.
h. INTERMEDIATE COAT: MATCH TOPCOAT.
i. TOPCOAT: PRO INDUSTRIAL ACRYLIC SEMI-GLOSS COAT, B66-650 SERIES.
1. 2.5 TO 4.0 MILS DRY PER COAT.
j. GYPSUM BOARD AND PLASTER:
k. PRIMER: PROMAR 200 ZERO VOC INTERIOR LATEX PRIMER, B28W2600
1. 4.0 MILS WET, 1.0 MILS DRY.
l. INTERMEDIATE COAT: MATCH TOPCOAT.
m. TOPCOAT: PROMAR 200 ZERO VOC INTERIOR LATEX EG-SHEL, B20-2600 SERIES.
1. 4.0 MILS WET, 1.6 MILS DRY.
n. STEEL DECKING:
o. PRIMER: PRO INDUSTRIAL PRO CRYL UNIVERSAL PRIMER, B66-310 SERIES
p. INTERMEDIATE COAT: MATCH TOPCOAT
q. TOPCOAT: PRO INDUSTRIAL WATERBORNE ACRYLIC DRY FALL, FLAT, B42-80 SERIES
e. ACOUSTIC/TECTUM DECK
r. PRO INDUSTRIAL WATERBORNE ACRYLIC DRY FALL, FLAT, B42-80 SERIES. UP TO 6 COATS. SPRAY APPLIED.
1. 3.5 TO 5.0 MILS WET, 1.5 TO 2.0 MILS DRY PER COAT.
D. COLORS: REFER TO BASIS OF DESIGN.

- 101100 - VISUAL DISPLAY UNITS:
A. MANUFACTURERS: ADP LEMCO, BANGOUR CORK COMPANY, INC., CIG-JAN PRODUCTS, LTD., CLARIDGE PRODUCTS AND EQUIPMENT, INC. MARSH INDUSTRIES, INC., MARSH INDUSTRIES, INC.
B. TACKBOARD PANEL: POLYESTER-FABRIC-FACED TACKBOARD PANEL W/ ALUMINUM FRAMES AND TRIM.
C. DISPLAY RAIL: MANUFACTURER'S STANDARD, EXTRUDED ALUMINUM DISPLAY RAIL WITH PLASTIC-IMPREGNATED-CORK INSERT AND END STOPS.

ROOM FINISH SCHEDULE table with columns: ROOM, NUMBER, NAME, FLOOR, BASE, NORTH, EAST, SOUTH, WEST, CEILING FINISH, REMARKS

BASIS OF DESIGN

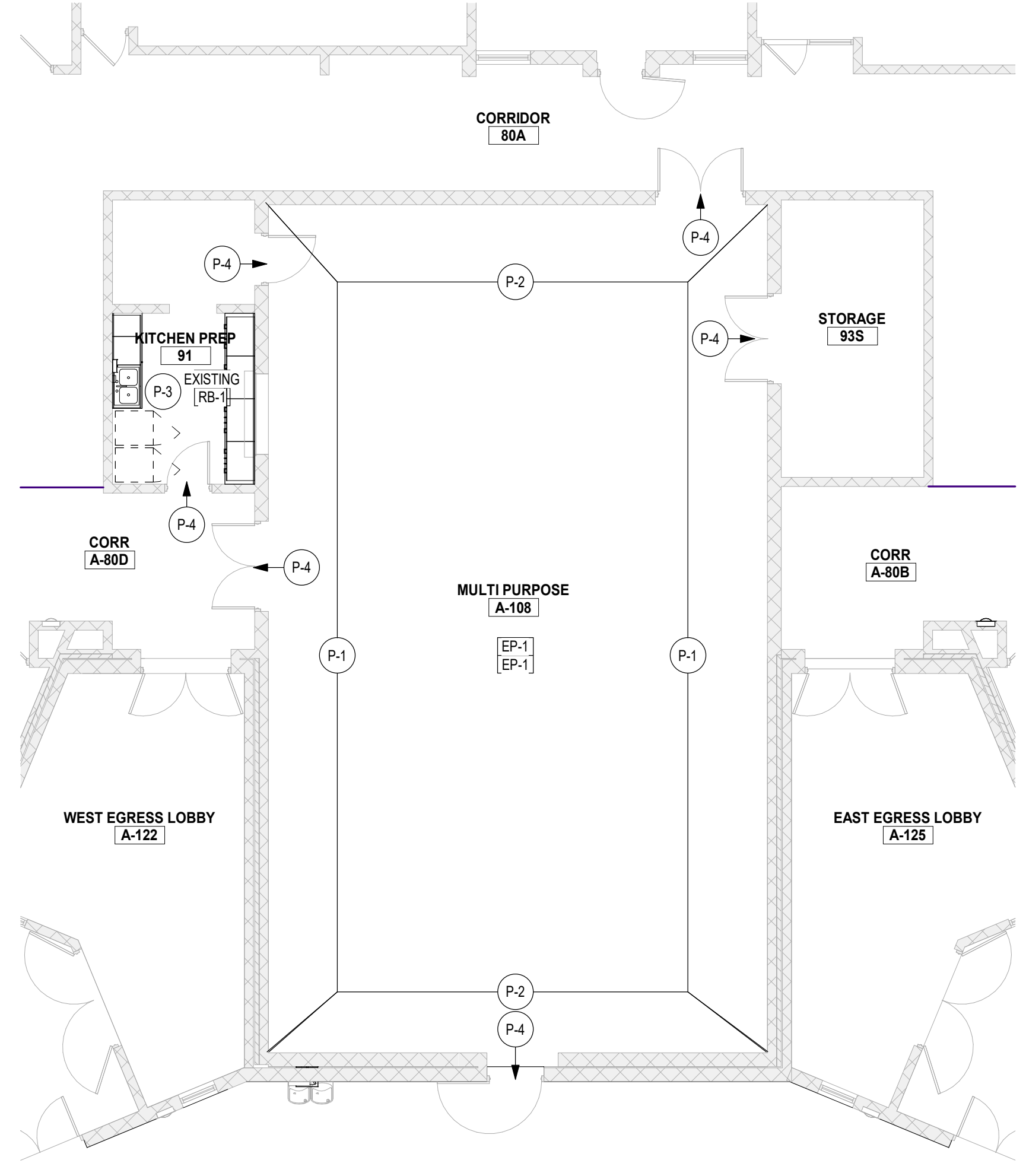
09 67 23 RESINOUS FLOORING
09 91 23 INTERIOR PAINTING CONT.
09 65 13 RESILIENT BASE AND ACCESSORIES
09 91 23 INTERIOR PAINTING
12 36 61.16 SOLID SURFACING COUNTERTOPS
09 84 00 FIXED SOUND ABSORPTIVE PANELS

GENERAL FINISH NOTES

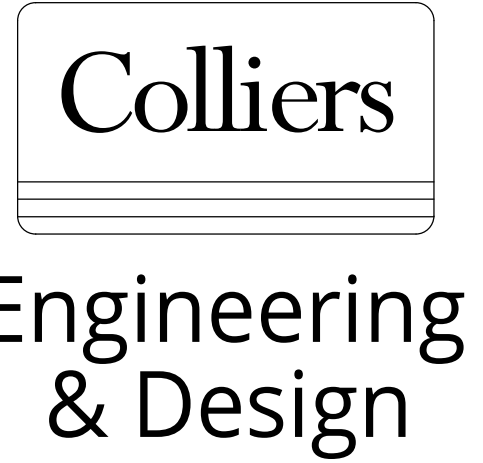
- A. COMPLY WITH MANUFACTURER'S RECOMMENDATIONS FOR PREPARING AND INSTALLING FINISHES.
B. PROTECT ADJACENT WORK BY SUITABLY COVERING DURING WORK.
C. REMOVE ADHESIVE OR PAINT SPOTS FROM FINISHED FLOORS, WALLS, GLASS OR OTHER SURFACES. FINISHES TO MEET OR EXCEED CODE REQUIREMENTS.
D. INSTALL MATERIALS USING MANUFACTURER'S APPROVED ADHESIVES AND METHODS, U.O.N.
E. FILL MINOR DRYWALL IRREGULARITIES WITH SPACKLING COMPOUND AND SAND TO A SMOOTH LEVEL SURFACE. EXERCISE CARE TO AVOID RAISING THE NAP OF PAPER.
F. DO NOT PERFORM PAINTING AND OTHER FINISHING WORK UNDER CONDITIONS UNSUITABLE FOR EXECUTION OF PAINTING WORK. AIR SHALL BE FREE FROM DUST AND DIRT TO PREVENT LODGING OF FOREIGN MATTER IN FRESH PAINT. FLOORS MUST BE BROOM CLEAN BEFORE PAINTING IS STARTED.
G. PAINT DESIGNATIONS INDICATE LOCATION ONLY. OWNER TO MAKE FINAL DECISIONS ON COLOR AND SHEEN.
H. EDGES OF PAINT ADJOINING OTHER COLORS OR MATERIALS TO BE SHARP AND CLEAN WITHOUT OVERLAP.
I. EXAMINE SURFACES TO RECEIVE PAINT CAREFULLY FOR DEFECTS. DO NOT PROCEED WITH WORK UNTIL DEFECTS ARE CORRECTED.
J. WHENEVER NECESSARY TO OBTAIN REQUIRED RESULTS, REFINISH AN ENTIRE WALL RATHER THAN SPOT FINISHING WHERE A PORTION OF THE FINISH HAS BEEN DAMAGED OR IS UNSATISFACTORY.
K. PREPARE FLOOR SURFACES INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:
A. PREPARE PROPERLY REPAIR AND PATCH SUBFLOORS TO A SMOOTH AND LEVEL FINISH.
B. FLASH PATCH AS REQUIRED, READY TO RECEIVE NEW FINISH.
L. PROVIDE THE REQUIRED TRANSITIONS BASED ON TYPES IDENTIFIED ON DRAWINGS AT EACH FINISH TRANSITION LOCATION.
M. CENTER FLOOR MATERIAL TRANSITIONS ON DOOR ABOVE.
N. FINISHED FLOORS EXTEND INTO THE SPACES, CLOSETS, DOOR REVEALS AND SIMILAR OPENINGS.
O. REFER TO REFLECTED CEILING PLANS FOR CEILING FINISHES.
P. ALL EXPOSED CONDUIT AND MISC STEEL TO BE PAINTED TO MATCH ADJACENT SURFACE.
Q. CONTRACTOR REQUIRED TO PROVIDE DETAILED SHOP SUBMITTALS WITH REQUIRED STRIPING DIMENSIONS TO MEET REGIONAL, STATE, AND NATIONAL COMPETITION GUIDELINES FOR HIGH SCHOOL BASKETBALL, VOLLEYBALL, AND PICKLEBALL.

FINISH SYMBOL LEGEND

Legend symbols for floor finish, wall base finish, general wall finish, accent wall finish, wall finish above wainscot, wainscot finish, window treatment, signage tag.

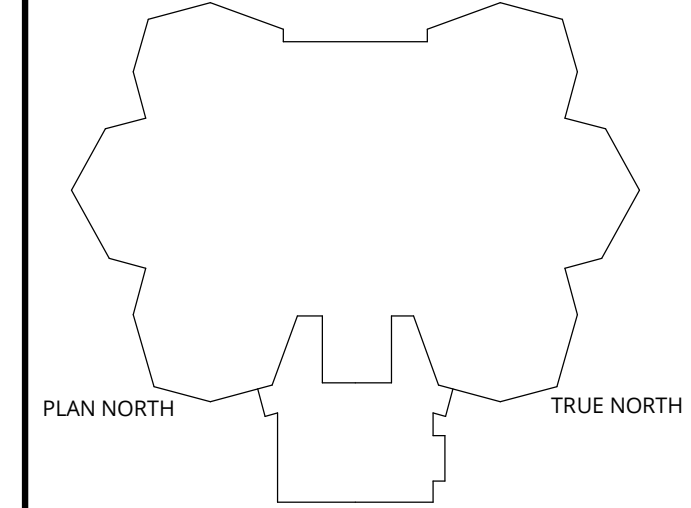


1 FIRST FLOOR FINISH PLAN SCALE: 1/8" = 1'-0"



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Revision table with columns: REV, DATE, DESCRIPTION



LANSING SCHOOL DISTRICT
ATTWOOD CAFETERIA AND KITCHEN RENOVATIONS SO-1851
915 ATTWOOD DR LANSING, MI 48911

MI ARCHITECTURE FIRM LICENSE # NLP000605

Colliers Engineering & Design contact information: GRAND RAPIDS, 560 5th St. NW, Suite 305, Grand Rapids, MI 49504, Phone: 616.827.4270

Project Manager: C NORRIS, Discipline Lead: C NORRIS, Designer: C NORRIS, Reviewer: C NORRIS, Date Issued: 04/03/26, Project Number: 26000747A

FIRST FLOOR FINISH PLAN
DRAWING NUMBER: A141

NOTE: DO NOT SCALE DRAWING FOR CONSTRUCTION.

ELECTRICAL SYMBOL LEGEND		
SYMBOL	DESCRIPTION	MTG. HT. TO Q
S S3	SINGLE POLE OR 3-WAY SWITCH-SPECIFICATION GRADE	46"
S4	FOUR WAY SWITCH-SPEC. GRADE	46"
SK	KEY OPERATED SWITCH-SPEC. GRADE	46"
SD	DIMMER SWITCH	46"
S IR	IR SWITCH	46"
S IRD	IR SWITCH DIMMABLE	46"
S P	SWITCH WITH PILOT LIGHT	46"
S M	MANUAL MOTOR STARTER SWITCH	46"
OS	OCCUPANCY SENSOR	---
PC	PHOTO CELL	---
CS	CONTROL STATION	46"
DS	DAYLIGHT SENSOR	---
PP	POWER PACK	---
C	SPLIT WIRED RECEPTACLE C-DENOTES CONTROLLED VIA RELAY OR OCC SENSOR	18"
WR	WATER RESISTANT GROUND FAULT CIRCUIT INTERRUPTER WR-DENOTES WEATHERPROOF WHILE IN USE COVER	18"
Ⓛ	DUPLEX OUTLET-SPEC. GRADE CIRCLE AROUND SYMBOL= CEILING MOUNTED	18"
Ⓛ	(2) DUPLEX OUTLET-SPEC. GRADE CIRCLE AROUND SYMBOL= CEILING MOUNTED	18"
Ⓛ	SPECIAL SINGLE RECEPTACLE	18"
Ⓛ	SPECIAL OUTLET-CHARACTERISTICS AS NOTED ON PLANS	AS NOTED
EV	EV CHARGER F= FUTURE	---
▽	DATA OUTLET-4" SQ. BOX W/ 1 GANG RAISED COVER. 1-1/4" C. UP WALL TO CLG. SPACE CIRCLE AROUND SYMBOL= CEILING MOUNTED	18"
▽	TV OUTLET-4" SQ. BOX W/ 1 GANG RAISED COVER. 1-1/4" C. UP WALL TO CLG. SPACE CIRCLE AROUND SYMBOL= CEILING MOUNTED	18"
▽	TELEPHONE OUTLET-4" SQ. BOX W/ 1 GANG RAISED COVER. 1-1/4" C. UP WALL TO CLG. SPACE	18"
▽	TELEPHONE/DATA OUTLET-4" SQ. BOX W/ 1 GANG RAISED COVER. 1-1/4" C. UP WALL TO CLG. SPACE	18"
◁WN	WIRELESS ROUTER CIRCLE AROUND SYMBOL= CEILING MOUNTED	---
Ⓛ	FLOOR BOX 2 RECEPT, 2 DATA - THOMAS & BETTS-# 665-SC 1-1/4" C. TO FLOORBOX FOR DATA	---
Ⓛ	FLOOR BOX 1 RECEPT, 1 DATA - THOMAS & BETTS-# 664-SC 1-1/4" C. TO FLOORBOX FOR DATA	---
Ⓛ	JUNCTION BOX - HUBBELL NSAV62M WITH RECEPTACLE KIT HUBBELL NSCP. PROVIDE CONNECTOR PLATE FOR ANY	AS NOTED
Ⓛ	JUNCTION BOX -4" SQ. BOX W/ 2 GANG RAISED COVER. 1" C. UP WALL TO CLG. SPACE UNLESS OTHERWISE NOTED	AS NOTED
Ⓛ	POWER POLE - SEE DRAWING FOR POWER - POWER/DATA SPECIFICATIONS	---
Ⓛ	ELECTRIC UTILITY METER	---
Ⓛ	FUSED DISCONNECT SWITCH- FDS-HEAVY DUTY	46"
Ⓛ	NON-FUSED DISCONNECT SWITCH- NFD-HEAVY DUTY	46"
Ⓛ	SW. AND PLUG/FUSE HOLDER- BUSSMANN "SSU" & FUSE/STAT FUSE	AT EQUIP.
Ⓛ	MAGNETIC MOTOR STARTER-MS	46"
Ⓛ	COMBINATION MAG. STARTER/FUSED DISC. SWITCH - CS/FDS	46"
Ⓛ	COMBINATION MAG. STARTER/NON-FUSED DISC. SWITCH - CS/NFDS	46"
VFD	VARIABLE FREQUENCY DRIVE	---
Ⓛ	SINGLE PHASE ELECTRIC MOTOR	---
Ⓛ	THREE PHASE ELECTRIC MOTOR	---
Ⓛ	SURFACE OR FLUSH MTD. BRANCH CIRCUIT PANELBOARD	72" TO TOP
T	TRANSFORMER	---
Ⓛ	PUSH BUTTON	46"
Ⓛ	THERMOSTAT. E.C TO ROUGH-IN SINGLE GANG BOX AND 1/2" C. TO ACCESSIBLE CEILING SPACE.	46"
Ⓛ	HUMIDISTAT. E.C TO ROUGH-IN SINGLE GANG BOX AND 1/2" C. TO ACCESSIBLE CEILING SPACE.	46"
Ⓛ	RECESSED DOWNLIGHT LUMINAIRE	---
Ⓛ	RECESSED WALL WASH LUMINAIRE	---
Ⓛ	SURFACE LUMINAIRE	---
Ⓛ	PENDANT LUMINAIRE	---
Ⓛ	WALL MOUNTED LUMINAIRE	---
Ⓛ	SITE LIGHTING LUMINAIRE	---
Ⓛ	NIGHT LIGHT	---
Ⓛ	STRIP LUMINAIRE	---
Ⓛ	LED ACCENT/UNDER CABINET LUMINAIRE	---
Ⓛ	RECESSED LUMINAIRE 2'x4' OR 2'x2'	---
Ⓛ	SURFACE LUMINAIRE 2'x4' OR 2'x2'	---
Ⓛ	TRACK LIGHTING LUMINAIRE	---
Ⓛ	PARTIALLY SHADED LUMINAIRE OR WITH "E" SUFFIX ARE EMERGENCY	---
Ⓛ	EXIT SIGN - WALL MOUNTED OR CEILING MOUNTED ARROWS INDICATE PATH OF EGRESS	---
Ⓛ	REMOTE EMERGENCY HEAD	---
Ⓛ	BATTERY EMERGENCY LUMINAIRE	---

SYMBOL NOTES:  
 1. "AC" DENOTES ABOVE COUNTER. COORDINATE HEIGHT WITH ARCHITECT.  
 2. "H" DENOTES HORIZONTAL MOUNTING OF DEVICE.  
 3. "B" DENOTES MOUNTED IN BASE.  
 4. "F" DENOTES MOUNTED IN FACE OF CABINETS.

**ELECTRICAL SPECIFICATIONS**

**26-0500 GENERAL PROVISIONS**

- FURNISH AND INSTALL FIRST-CLASS WORKING SYSTEMS, TESTED AND READY FOR OPERATION. COMPLETE WITH LABOR AND MATERIALS (U.L. APPROVED COMMERCIAL GRADE). CONFORM TO DRAWINGS, SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS. USE PROPER NEMA RATED EQUIPMENT (i.e. "3R" WEATHERPROOF, "1" GENERAL DUTY, ETC.)
- COORDINATE WITH THE DRAWINGS AND SPECIFICATIONS OF THE OTHER TRADES AND WITH THE OWNER.
- FIELD VERIFICATION OF ALL DIMENSIONS ARE REQUIRED, EXACT LOCATIONS, DISTANCES, AND LEVELS WILL BE GOVERNED BY ACTUAL FIELD CONDITIONS.
- COMPLY WITH THE 2023 NATIONAL ELECTRICAL CODE, PLUS LOCAL OR STATE CODES, LAWS, ORDINANCES, RULES AND REGULATIONS APPLICABLE TO THE PARTICULAR CLASS OF WORK; ANY FEES IN CONNECTION THEREWITH ARE TO BE PAID BY ELECTRICAL CONTRACTOR.
- COMPLETE REQUIRED DEMOLITION, MAINTAINING OPERATION OF EXISTING TO REMAIN (COORDINATE WITH GC REGARDING ANY PHASING OF THE PROJECT) REWIRE EXISTING CIRCUITS IF REQUIRED.
- PROVIDE SUBMITTALS FOR THE FOLLOWING EQUIPMENT: SWITCHGEAR, LIGHTING, LIGHTING CONTROLS, FIRE ALARM AND OTHER REQUIRED MATERIALS AS REQUIRED PER PROJECT.
- WORK SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE.

**TESTING**

- WORK REQUIRED UNDER THIS HEADING SHALL BE BY THE ELECTRICAL CONTRACTOR (OR AS NOTED) AND INCLUDES ALL SUPERVISION, LABOR, MATERIALS, INSTRUMENTATION AND EQUIPMENT NECESSARY TO EFFECTIVELY TEST, MEASURE AND VERIFY THE PERFORMANCE OF THE ELECTRICAL EQUIPMENT SYSTEMS.

**26-0.529, 26-0533, 260534 RACEWAY, BOXES, AND FITTINGS**

- ALL WIRING SHALL BE RUN IN CONCEALED EMT (THINWALL) CONDUIT IN THE FINISHED AREAS OF THE BUILDING. CONDUIT MAY BE EXPOSED IN EQUIPMENT ROOMS OR OVERHEAD IN ROOMS WITHOUT CEILINGS. CONDUITS EXPOSED TO WEATHER TO BE RGC (RIGID GALVANIZED CONDUIT), MC CABLE ALLOWED IN AREAS ALLOWED PER NATIONAL ELECTRICAL CODE AND NOT SUBJECT TO DAMAGE.
- HORIZONTAL AND VERTICAL CONDUIT RUNS MAY BE SUPPORTED BY ONE-HOLE MALLEABLE STRAPS, CLAMP-BACKS OR OTHER APPROVED DEVICES.
- CONDUITS SHALL NOT BE RUN IN NOR SUPPORTED FROM DUCTWORK.

**26-0219 CONDUCTORS**

- ALL CONDUCTORS SHALL BE NEW. ALL CONDUCTORS FOR POWER AND LIGHTING SYSTEMS WIRING SHALL BE 98% CONDUCTIVITY COPPER TYPE THHN OR THW. ALUMINUM IS TO BE PERMITTED FOR SERVICE ENTRANCE AND PANEL FEEDS. BRANCH CIRCUIT WIRING SHALL BE COPPER.

**26-2736 WIRING DEVICES**

- CONVENIENCE OUTLETS SHALL BE SPECIFICATION GRADE, RATED AT 20 AMPERE, GROUNDING TYPE, 125 VOLT, AND BEAR U.L. LABEL OF APPROVAL. STAINLESS STEEL COVER PLATES. MANUFACTURERS: PASS AND SEYMOUR CATALOG 5251-1, OR EQUAL BY HUBBELL, AND LEVITON.
- ALL SWITCHES FOR LIGHTING SHALL BE SPECIFICATION GRADE RATED AT 20 AMPERE, 120/277 VOLTS. PASS AND SEYMOUR CATALOG 20AC-1 OR EQUAL BY HUBBELL, AND LEVITON.

**16350 GROUNDING**

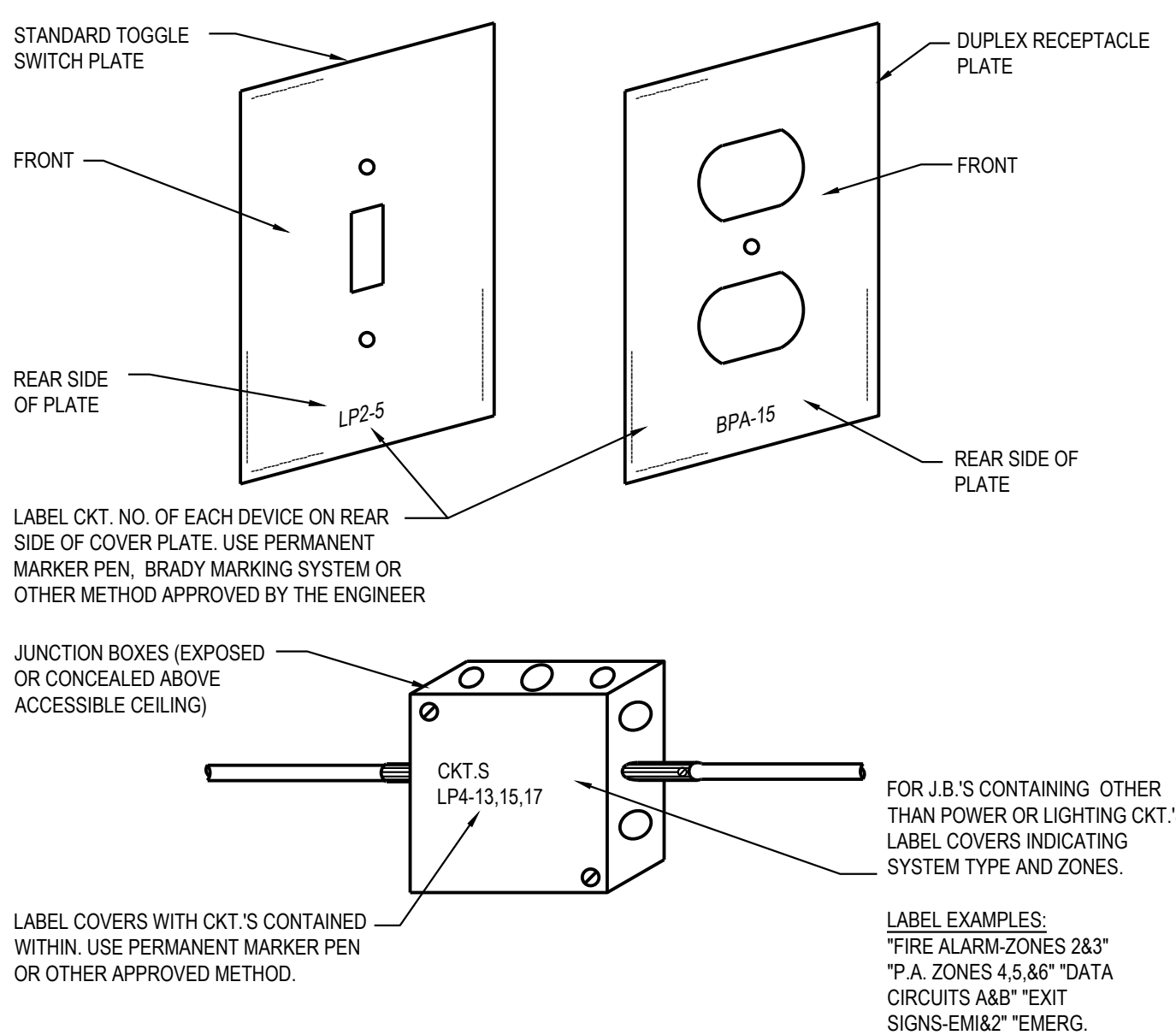
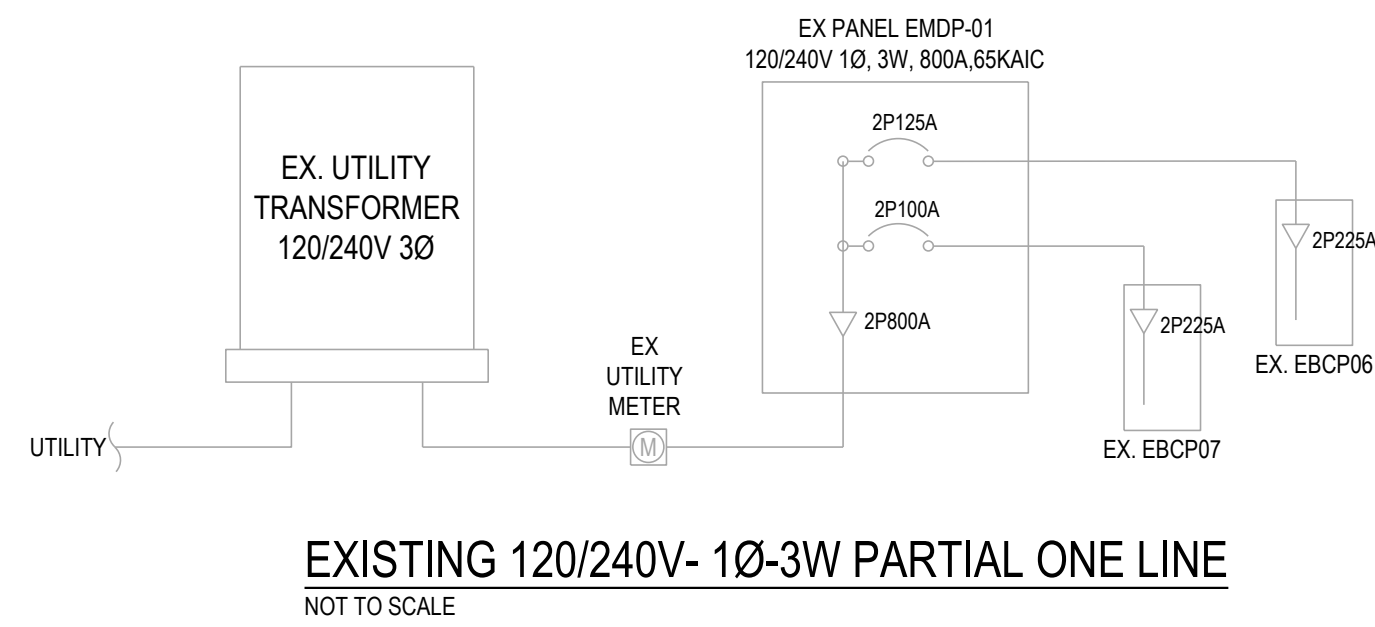
- INSTALL COMPLETE GROUNDING SYSTEM IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE.
- INSTALL BONDING WIRE IN NONMETALLIC AND FLEXIBLE CONDUIT CONNECTED AT SOURCE END TO PANELBOARD EQUIPMENT GROUND BAR AND AT LOAD END TO ENCLOSURE.
- EXTEND COMPLETE BUILDING GROUNDING SYSTEM IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. INCLUDE INSULATED GROUND FOR ALL EXTERIOR AS WELL AS TOILET CIRCUITS.

**26-5113 LIGHTING**

- THE ELECTRICAL CONTRACTOR SHALL FURNISH AND/OR INSTALL ALL FIXTURES WITH LAMPS, AS SHOWN ON THE DRAWINGS AND AS LISTED IN THE FIXTURE LEGEND. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR INSTALLING ADEQUATE SUPPORTING FACILITIES FOR THE LIGHTING SYSTEM.
- WHERE RECESSED FIXTURES ARE INSTALLED IN CEILINGS FINISHED IN ACOUSTICAL TILE PATTERNS OR LAYOUTS, THE ELECTRICAL CONTRACTOR SHALL WORK IN COOPERATION WITH THE CEILING SUPPLIERS IN LOCATING AND FRAMING FIXTURES.
- EXIT LIGHT FIXTURES SHALL BE SUITABLE FOR WALL, CEILING FOR PENDANT MOUNTING AS INDICATED, WITH STENCIL FACES AND ONE-EIGHTH INCH THICK RED (OR GREEN PER ARCHITECT OR OWNER) ACRYLIC PANELS, WITH LED LAMPS AND BATTERY PACKS SHOWN IN THE LIGHTING FIXTURE LEGEND.
- EMERGENCY LIGHTING REQUIREMENTS SHALL BE INSTALLED TO SATISFY THE RESPECTIVE CODES, INCLUDING INTERNATIONAL BUILDING CODE (i.e. 1FC AVERAGE, .8 FC MINIMUM AND 40:1 RATIO OF MAX TO MIN). PHOTOMETRICS, NOT PROVIDED ON THE BID DOCUMENTS SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR AND SHALL BE INCLUDED IN THE FINAL BID PROPOSAL - BY EC, SUPPLIER OR ENGINEER.

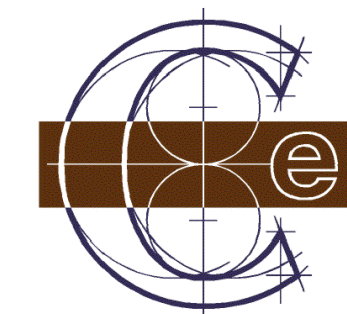
**26-2816 CONTROLS**

- COMPLETE CONTROLS FOR LIGHTING AND MECHANICAL EQUIPMENT, AS NOTED ON THE DRAWINGS. ALL LIGHTING CONTROLS SHALL COMPLY WITH 2021 MICHIGAN ENERGY CODE.
- APPROVED MANUFACTURERS: ACUITY, COOPER, HUBBELL, WATTSTOPPER AND LEVITON.

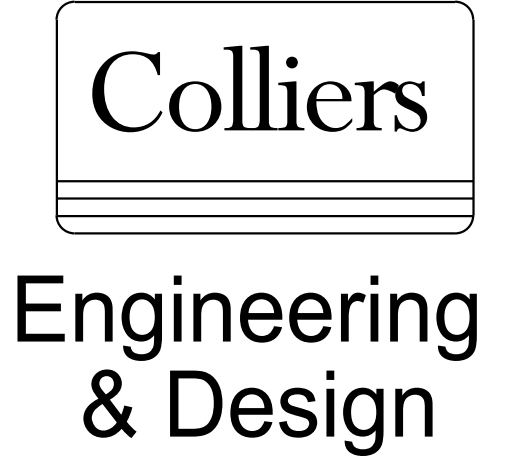


**ELECTRICAL IDENTIFICATION**

A-1  
E100  
N.T.S.

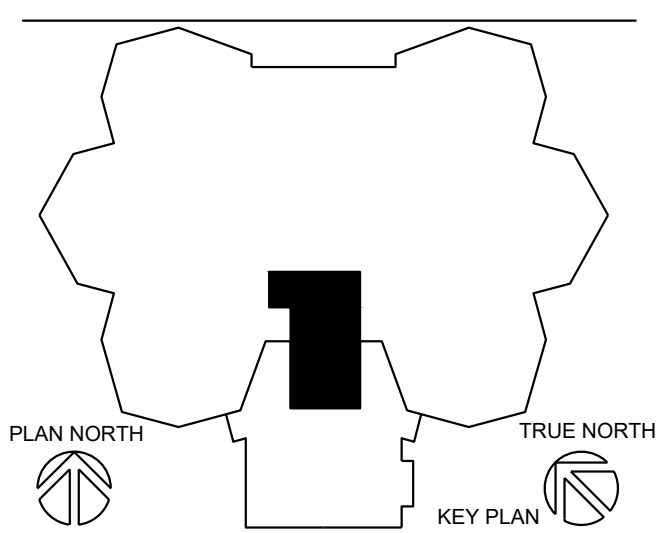


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REV	DATE	DESCRIPTION
0	04/03/2026	BID PACK 2 - ADDENDUM 1



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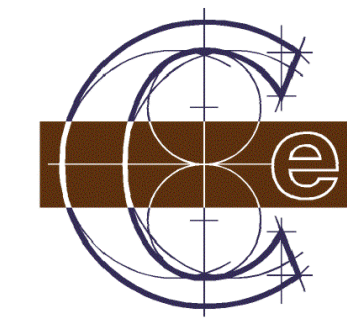


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PROJECT MANAGER: <b>C NORRIS</b>	DISCIPLINE LEAD: <b>B HUYLER</b>
DESIGNER: <b>E POST</b>	REVIEWER:
DATE ISSUED: <b>03/13/26</b>	PROJECT NUMBER: <b>26000747A</b>
SHEET NAME:	

**ELECTRICAL SYMBOLS AND SPECIFICATIONS**

DRAWING NUMBER:  
**E100**



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REV	DATE	DESCRIPTION
0	04/03/2026	BID PACK 2 - ADDENDUM 1

**GENERAL LIGHTING NOTES:**

- CONNECT EMERGENCY LIGHTING TO CIRCUIT FEEDING GENERAL LIGHTING IN THAT AREA.
- EXIT SIGNS TO BE CONNECTED TO UNSWITCHED LIGHTING CIRCUIT OR EMERGENCY LIGHTING CIRCUIT FEEDING THAT AREA.
- LIGHTING CONTROL SHALL COMPLY WITH 2021 MICHIGAN ENERGY CODE WHERE APPLICABLE.

**LIGHTING KEY NOTES:**

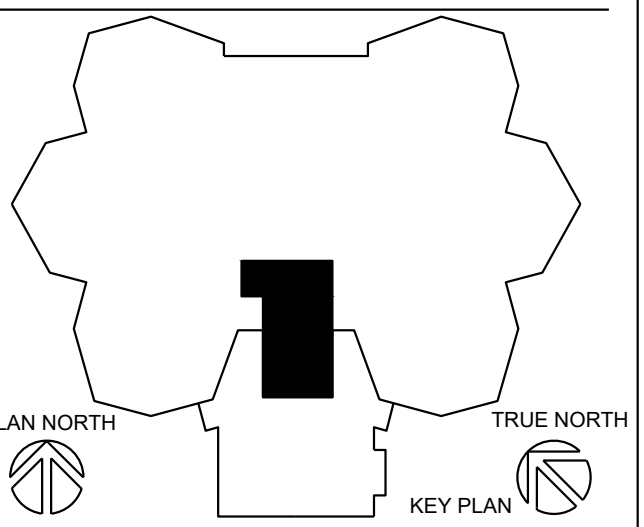
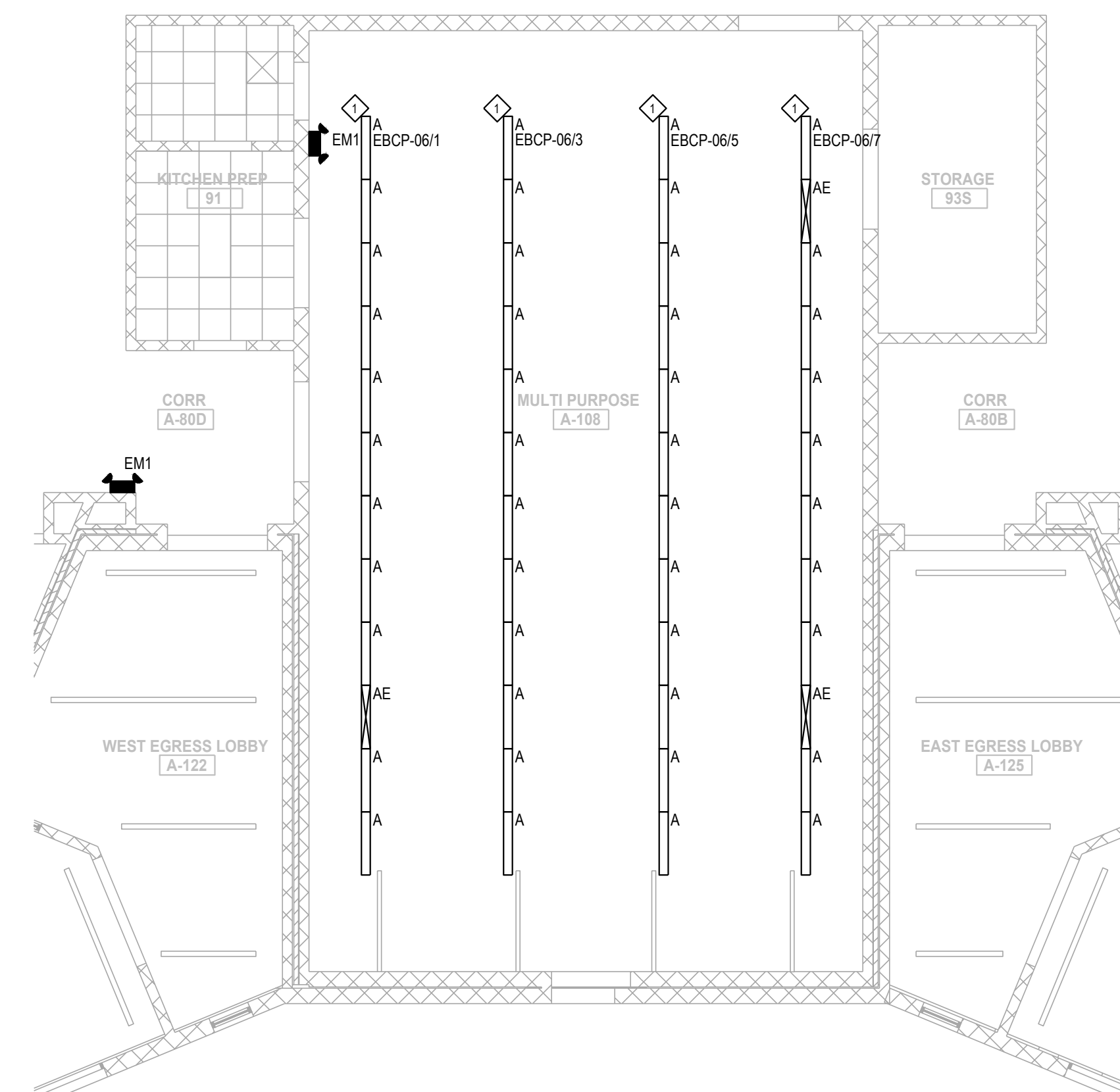
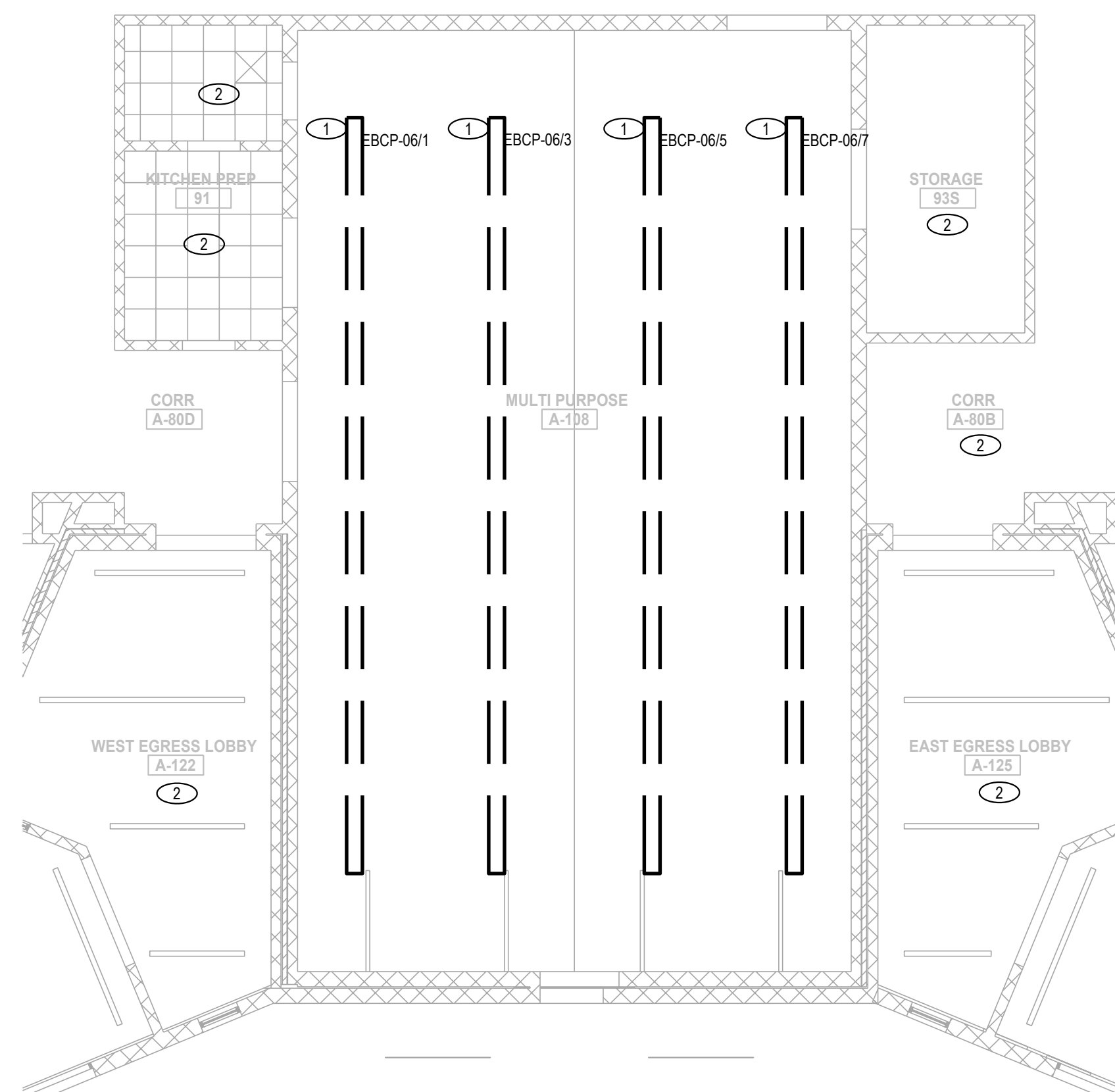
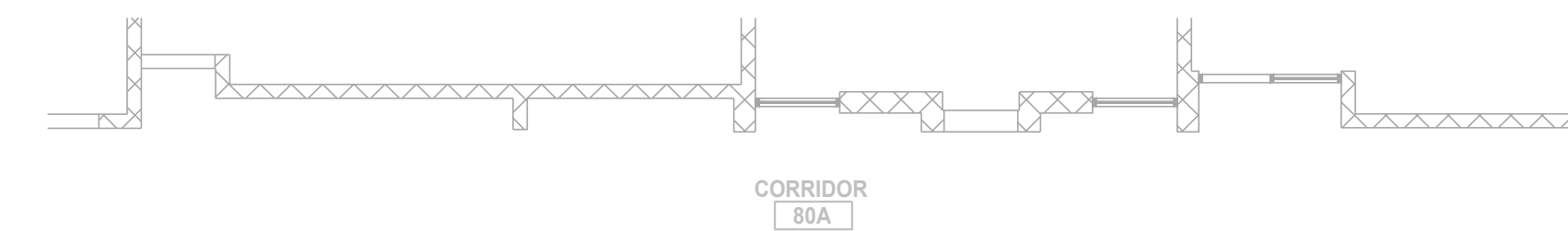
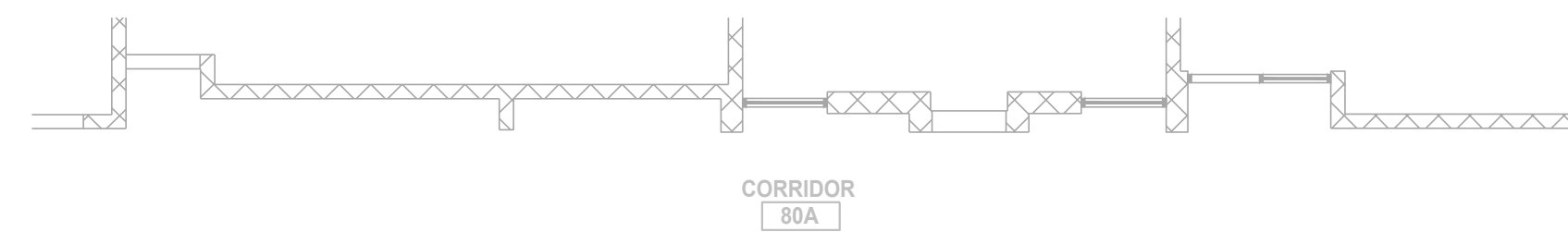
- ◆ INSTALL NEW LIGHT FIXTURES USING EXISTING CIRCUITS MADE AVAILABLE DURING DEMOLITION.

**DEMOLITION POWER KEYNOTES:**

- REMOVE EXISTING LIGHTING. DISPOSE OF LIGHT FIXTURES AND LAMPS IN PROPER AND LEGAL MANNER. IF FLUORESCENT ARE TO BE REMOVED, DISPOSE AT AN APPROVED RECYCLING SITE. MAINTAIN CIRCUIT FOR NEW LIGHT FIXTURE INSTALLATION. MAINTAIN CONTROLS THROUGHOUT DEMOLITION.
- NO WORK IN AREA. EXISTING EXIT LIGHTS TO REMAIN.

LIGHT FIXTURE LEGEND							
FIXTURE TYPE	DESCRIPTION	MANU.	CATALOG PART#	VOLTAGE	LAMPS	Wattage	REMARKS
A	LED LINEAR WRAPAROUND	LITHONIA	LBL4-4000LM-80CRI-35K-MIN10-G2T-MVOLT-E10W	MVOLT	LED	50W	
		FINELITE	HPR-A-2X4-S-835-230-FC10				
		COLUMBIA	CRW-A-LSCS				
		METALUX	4NWS3C3-UNV				
AE	LED LINEAR WRAPAROUND	LITHONIA	LBL4-4000LM-80CRI-35K-MIN10-G2T-4MVOLT	MVOLT	LED	50W	
		FINELITE	HPR-A-2X4-S-835-230-FC10-LDG18W				
		COLUMBIA	CRW-A-LSCS				
		METALUX	4NWS3C3-UNV				
EM1	EMERGENCY LIGHT	LITHONIA	ELM4L	120	LED	2.9W	WALL MOUNTED
		DUAL LITE	EV2DI				
		COOPER	SEL35SF				

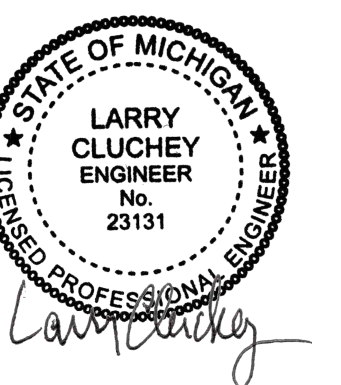
GENERAL LIGHT FIXTURE SCHEDULE NOTES: OR OWNER APPROVED EQUALS



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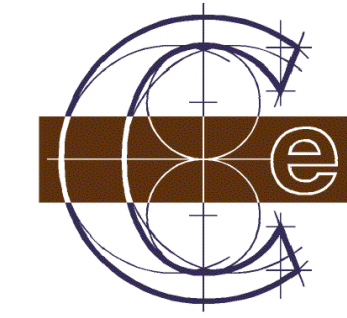
PROJECT MANAGER: **C NORRIS**  
 DISCIPLINE LEAD: **B HUYLER**  
 DESIGNER: **E POST**  
 REVIEWER:  
 DATE ISSUED: **03/13/26**  
 PROJECT NUMBER: **26000747A**  
 SHEET NAME:

**FIRST FLOOR PLAN - LIGHTING DEMOLITION**  
 SCALE: 1/8" = 1'-0"

**FIRST FLOOR PLAN - NEW LIGHTING**  
 SCALE: 1/8" = 1'-0"

**FIRST FLOOR PLAN - LIGHTING**

DRAWING NUMBER:  
**EL101**



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**GENERAL LIGHTING NOTES:**

- CONNECT EMERGENCY LIGHTING TO CIRCUIT FEEDING GENERAL LIGHTING IN THAT AREA.
- EXIT SIGNS TO BE CONNECTED TO UNSWITCHED LIGHTING CIRCUIT OR EMERGENCY LIGHTING CIRCUIT FEEDING THAT AREA.
- LIGHTING CONTROL SHALL COMPLY WITH 2021 MICHIGAN ENERGY CODE WHERE APPLICABLE.

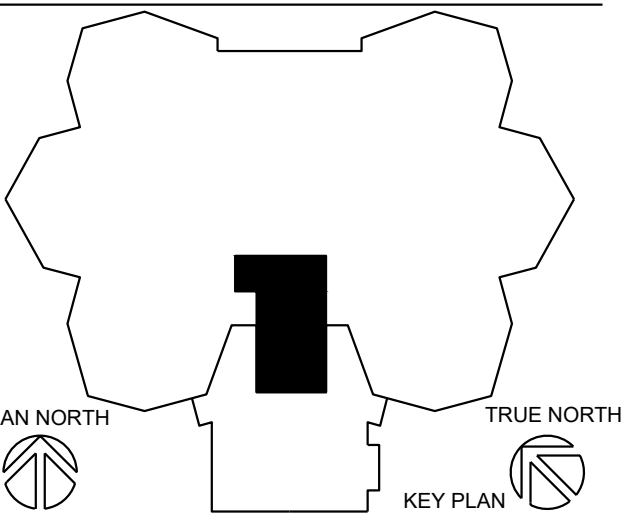
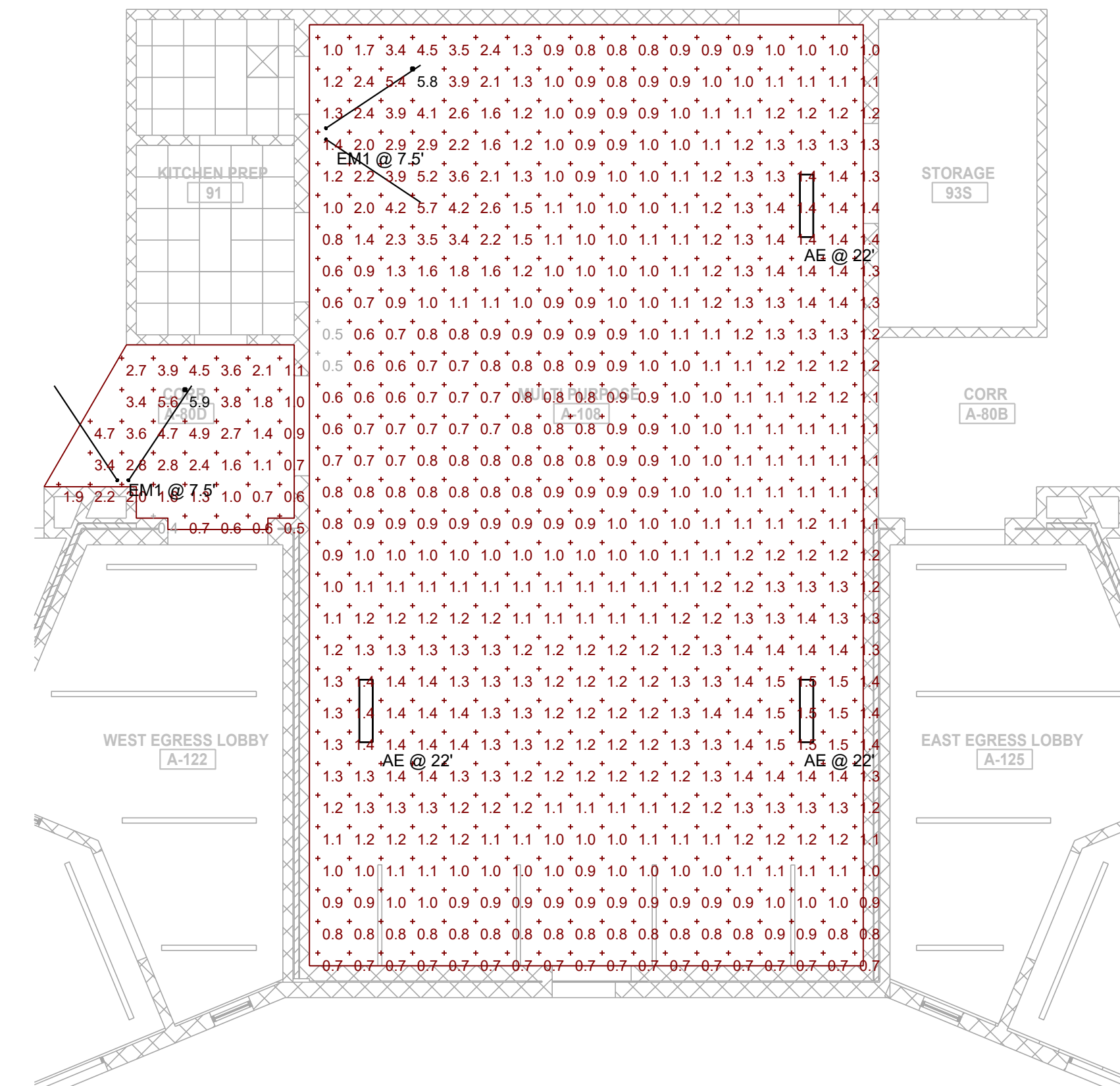
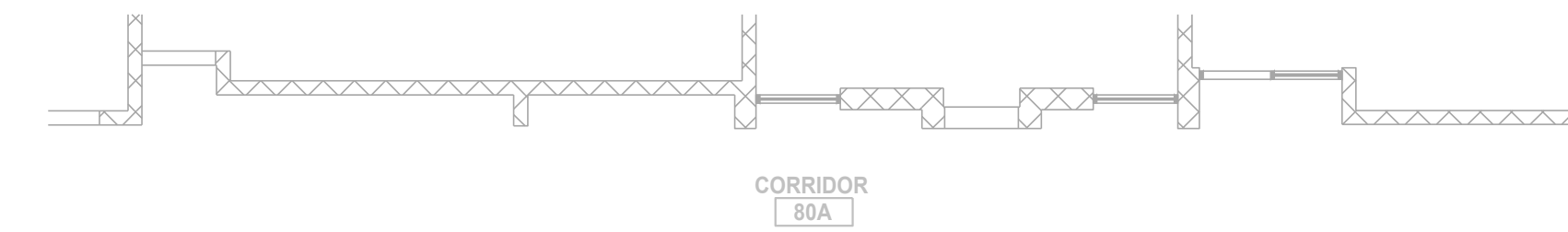
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REV	DATE	DESCRIPTION
0	04/03/2026	BID PACK 2 - ADDENDUM 1

Symbol	Label	Image	QTY	Catalog Number	Description	Lamp	Number Lamps	Lumens per Lamp	LLF	Wattage	Polar Plot
⏏	AE		3	LBL4 4000LM 80CRI 35K	LBL4 4000 lumen, 80CRI, 3500K		1	4187.931	1	32.41	
○	EM1		4	ELM4L	SP640L 640 lumen, 6.6 watt, Spot Pattern		1	345	1	2.5	

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
CORR A-80D	+	2.3 fc	5.9 fc	0.4 fc	14.8:1	5.8:1
MULTI PURPOSE A108	+	1.2 fc	5.8 fc	0.5 fc	11.6:1	2.4:1



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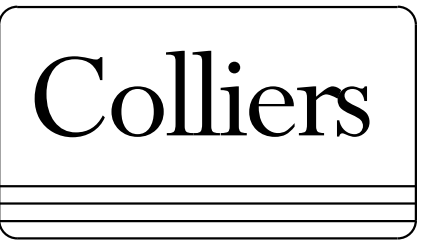
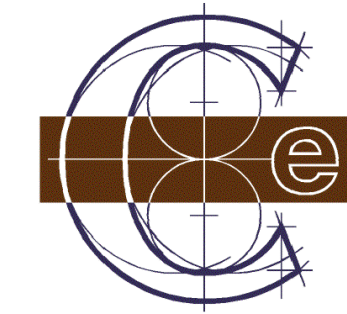
PROJECT MANAGER: **C NORRIS**  
 DESIGNER: **E POST**  
 DATE ISSUED: **03/13/26**  
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DISCIPLINE LEAD: **B HUYLER**  
 REVIEWER:  
 PROJECT NUMBER: **26000747A**

**FIRST FLOOR PLAN - EMERGENCY PHOTOMETRICS**  
 SCALE: 1/8" = 1'-0"

**FIRST FLOOR PLAN - EMERGENCY LIGHTING**  
 DRAWING NUMBER: **EL102**

NOTE: DO NOT SCALE DRAWING FOR CONSTRUCTION.



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REV	DATE	DESCRIPTION
0	04/03/2026	BID PACK 2 - ADDENDUM 1

Ex. EBCP07																			
BASED ON SQ. D. NQ. OR EQUAL																			
CKT NO.	VOLT AMPS					DESCRIPTION	CKT BRKR	L	CKT BRKR	DESCRIPTION	VOLT AMPS					CKT NO.			
	LTG	HVAC	MTRS.	REC.	OTHER						LTG	HVAC	MTRS.	REC.	OTHER				
1	800					EX COORIDOR LTS	20	A	20	EX COORIDOR LTS	800					2			
3	800					EX COORIDOR LTS	20	B	20	EX MILK COOLER					1000	4			
5						EX SPARE	20	A	20	EX LTS MILK CLR. OVEN RM	360					6			
7					1000	EX ELEC HEAT RM 107	20	B	20	EX OUTDOOR FLD LTS	500					8			
9	800					EX PLAYGND PORCH LTS	20	A	20	EX OUTDOOR FLD LTS	500					10			
11			500			EX FAN STG RM & KTCH	20	B	20	EX SPARE						12			
13			500			EX DISPOSAL IN KTCH	20	A	20	EX OUTDOOR LTS	500					14			
15				500		EX RM88, UPS RCPT DATA	20	B	20	EX LTS STG. SEC PANEL	1000					16			
17						EX SPARE	20	A	20	EX KITCHEN RECPT				1080		18			
19				1080		EX RECPT KTCH, JAN CLT	20	B	20	EX RCPT INST MTRL RM				1080		20			
21			800			EX VENT.FAN CL. EX. 107,108,105	20	A	30/2	EX SPARE						22			
23				1080		EX RECEPT BELOW PNL	20	B	1	EX SPARE						24			
25				1080		EX RECEPT BELOW PNL	20	A	30	EX UPS DATA RK RECPT				500		26			
27						EX SPACE		B		EX SPACE						28			
29						EX SPACE		A		EX SPACE						30			
SUBT	2400	0	1800	3240	1500						3660	0	0	2160	1500	SUBT			
TOTAL LOAD											DIVERSITY					VOLTS: 120/240			
LTG = 16,260 VA											125%					7,575 VA			
HVAC = 6,060 VA											100%					0			
MOTORS = 1,800 VA											111%					125%LRGST +100%		2,000 VA	
*RECEPT = 5,400 VA											100%					50%>10KVA		5,400 VA	
OTHER = 3,000 VA											100%							3,000 VA	
TOTAL DIV. LOAD = 17,975 VA																CIRCUIT CAPACITY: 225 A			
LINE AMPS = 75																MOUNTING: RECESS			
LINE AMPS X 1.25 = 94 A																LOCATION: CORR A-80D			
NOTES:																			

Ex. EBCP06																			
BASED ON SQ. D. NQ. OR EQUAL																			
CKT NO.	VOLT AMPS					DESCRIPTION	CKT BRKR	L	CKT BRKR	DESCRIPTION	VOLT AMPS					CKT NO.			
	LTG	HVAC	MTRS.	REC.	OTHER						LTG	HVAC	MTRS.	REC.	OTHER				
1	600					NEW LTS ROW 1 MP RM	20	A	20	NEW COOLER						2			
3	600					NEW LTS ROW 2 MP RM	20	B	20	EX SPARE					1000	4			
5	600					NEW LTS ROW 3 MP RM	20	A	20	EX SPARE						6			
7	600					NEW LTS ROW 4 MP RM	20	B	20	EX SPARE						8			
9	500					EX LTS TLT 34-32 PLAY EQ	20	A	20	EX LTS KITCH. CLS BTH, EM	1000					10			
11					1080	EX RECEPTACLES	20	B	20	EX RECEPTACLES				1080		12			
13					250	EX UNIT HEATER	20	A	20	EX RCPT COORIDOR				1080		14			
15					1080	EX RCPT COORIDOR	20	B	20	EX GYM EX. FAN 13, 16			500			16			
17					1080	EX RCPT COORIDOR	20	A	20	EX SPARE						18			
19					1080	EX RCPT COORIDOR	20	B	20	EX SPARE						20			
21					500	EX IN USE	20	A	20	EX IN USE				500		22			
23					500	EX IN USE	20	B	20	EX IN USE				500		24			
25					500	EX IN USE	20	A	20/2	EX KTC RANGE - SHUNT				1500		26			
27					500	EX IN USE	20	B	1	EX SPARE						28			
29					4700	EX 208 TL RECPT KITCH	30/2	A		EX SPACE						30			
31						EX SPACE		B		EX SPACE						32			
33						EX SPACE		A		EX SPACE						34			
35						EX SPACE		B		EX SPACE						36			
37						EX SPACE		A		EX SPACE						38			
39						EX SPACE		B		EX SPACE						40			
41						EX SPACE		A		EX SPACE						42			
SUBT	2900	0	0	4320	6950						1000	0	500	2160	3500	SUBT			
TOTAL LOAD											DIVERSITY					VOLTS: 120/240			
LTG = 21,330 VA											125%					4,875 VA			
HVAC = 3,900 VA											100%					0			
MOTORS = 500 VA											125%LRGST +100%					625 VA			
*RECEPT = 6,480 VA											100%					50%>10KVA		6,480 VA	
OTHER = 10,450 VA											100%							10,450 VA	
TOTAL DIV. LOAD = 22,430 VA																CIRCUIT CAPACITY: 225 A			
LINE AMPS = 93																MOUNTING: RECESS			
LINE AMPS X 1.25 = 117 A																LOCATION: MP RM A-108			
NOTES:																			

GENERAL POWER NOTES:

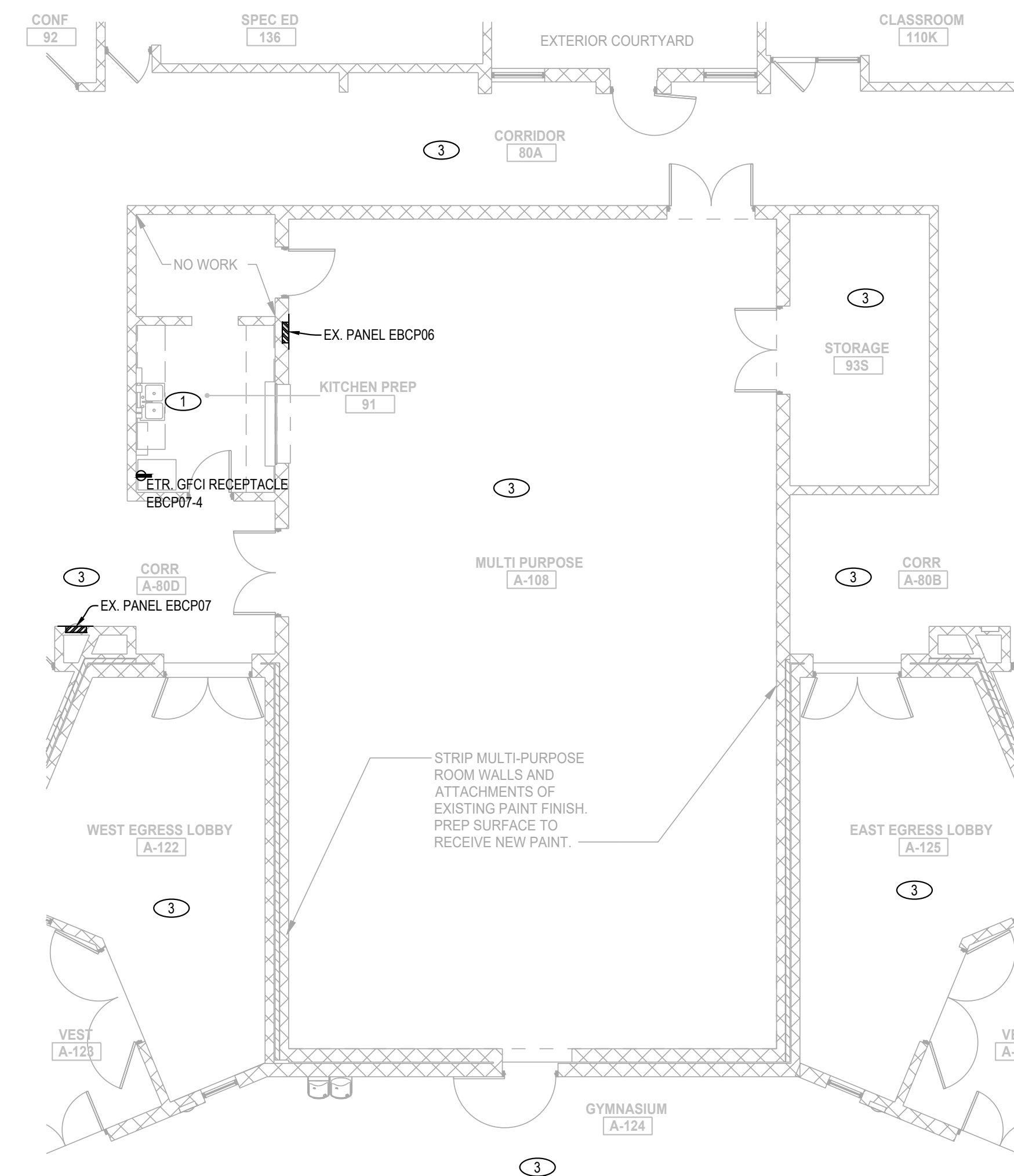
- ALL 15A & 20A 120V NON-LOCKING RECEPTACLES WITH PUBLIC SPACES WHERE CHILDREN CAN BE FOUND SHALL BE LISTED TAMPER RESISTANT PER NEC 406.12. THIS INCLUDES SCHOOLS, HOTELS, CLINICS, OUTPATIENT FACILITIES, PLACES OF WAITING AND ALL COMMON USE AREAS (CORRIDORS, GYM, MUSIC ETC.).
- VERIFY ALL KITCHEN EQUIPMENT REQUIREMENTS, CONNECTION TYPES, AND LOCATIONS WITH KITCHEN EQUIPMENT SUPPLIER AND NAMEPLATES PRIOR TO ROUGH-IN.
- EXISTING FIRE ALARM DEVICES TO REMAIN.

POWER KEYNOTES:

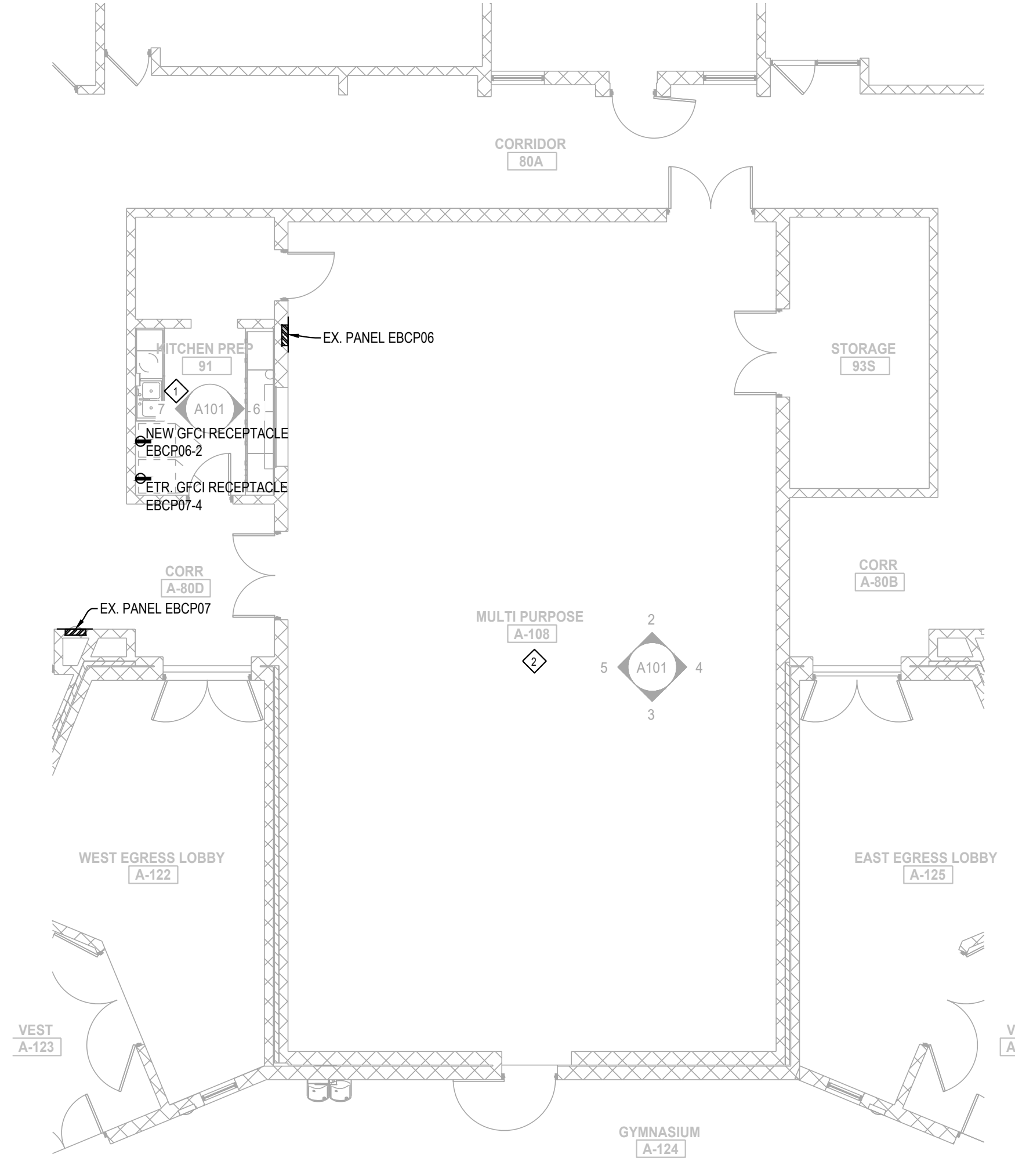
- RECONNECT POWER TO WATER HEATER, REUSE EXISTING CIRCUIT.
- REMOVE EXISTING RECEPTACLES IN AREA. REPLACE WITH GREY TAMPER PROOF RECEPTACLES WITH STAINLESS STEEL COVER PLATES.
- REUSE EXISTING CIRCUIT FOR NEW COOLER.

DEMOLITION POWER KEYNOTES:

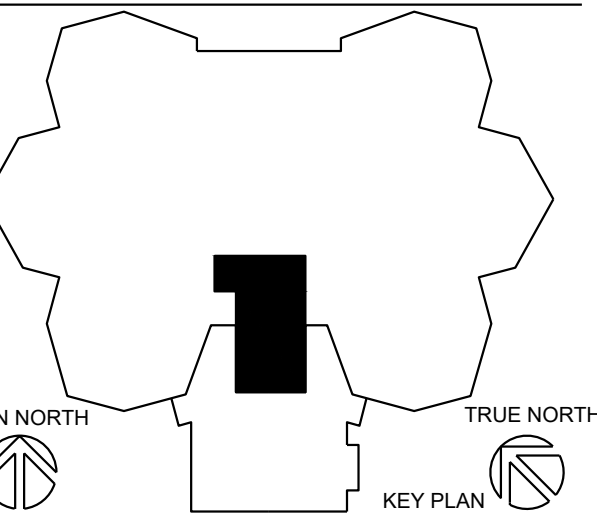
- DISCONNECT EXISTING WATER HEATER CIRCUIT UNDER SINK. MAINTAIN CIRCUIT FOR REINSTALLATION. MAINTAIN WATER HEATER FOR REINSTALLATION. FIELD VERIFY EXISTING CIRCUIT NEW LOCATION TO BE DETERMINED BY OWNER.
- NO WORK IN AREA.



**FIRST FLOOR PLAN - POWER DEMOLITION**  
 SCALE: 1/8" = 1'-0"



**FIRST FLOOR PLAN - POWER**  
 SCALE: 1/8" = 1'-0"



LANSING SCHOOL DISTRICT  
 ATTWOOD CAFETERIA AND KITCHEN RENOVATIONS  
 915 ATTWOOD DR LANSING, MI 48911

MI ARCHITECTURE FIRM LICENSE # NLP000605



Colliers Engineering & Design  
 GRAND RAPIDS 560 5th St. NW Suite 305 Grand Rapids, MI 49504 Phone: 616.827.4270  
 Colliers Engineering & Design, Architecture, Landscape Architecture, Surveying, CT P.C.

PROJECT MANAGER: C NORRIS  
 DESIGNER: E POST  
 DATE ISSUED: 03/13/26  
 SHEET NAME: FIRST FLOOR PLAN - POWER

DISCIPLINE LEAD: B HUYLER  
 REVIEWER:  
 PROJECT NUMBER: 26000747A

DRAWING NUMBER: EP101

NOTE: DO NOT SCALE DRAWING FOR CONSTRUCTION.



### **CM CLARIFICATION #1**

1. Attwood Elementary:
  - A. The Tectum Panels will be an accent color and they should be painted before they are installed.
  - B. The exposed ceiling will be painted with SW Flat Ceiling Paint.
  - C. The Paint Specification is on Sheet A141.
  
2. Ebersole Center:
  - A. Painting notes are on Sheet A101.
  - B. Wood trim will be painted with SW Semi-Gloss, Color to match existing trim.
  - C. Walls and ceilings will be painted with SW Eggshell, Color to match existing.
  - D. The painter will not be required to provide plywood floor protection for Tectum Ceiling touch up paint.
  
3. Dwight Rich:
  - A. Paint Specification is on Sheet A101.
  
4. Gardner Elementary:
  - A. Paint Specification is on Sheet A141.
  - B. Any areas where masonry infill is noted will need to be primed and painted, P-1.
  - C. Masonry infill is located at Passage D122, Passage D124, New Cooler 130B, Dishwash Area A134 and any other location that note new masonry walls.
  - D. Several HM door frames require paint as noted on Sheet A141. All new doors will be factory finished.



### **CM CLARIFICATION #2**

1. General note for Attwood Elementary:  
Resinous Flooring is removed from the Painting Division 'D' and moved to Bid Division 'C' Flooring.  
**The flooring bidders must include an allowance of \$5,000.00 for nonstandard prep work.**

There will be substantial prep work involved with the Attwood floor project and the flooring contractor will be expected to track the floor prep hours and collect signed T&M slips from the CM Superintendent. When the project is finished the flooring contractor must submit the slips to be billed against the allowance and a change order will be issued to cover the transaction.

2. If painters want to bid on the resinous floor work they should include voluntary alternates on the bid form for the resinous flooring at Attwood and Gardner.



### **CM CLARIFICATION #3**

1. The current Bid Division E – Mechanical has been divided into two separate divisions. Bid Division E will be “Plumbing” and Bid Division “G” will be HVAC.
2. Bid Division E – Plumbing will include:

Section	024119	Selective Demo
	078400	Firestopping
	220000	Plumbing

Gardner Phase 1 includes Kitchen Area only to be completed Summer of 2026.  
Gardner Phase 2 will proceed in Summer 2027.

All Plumbing demolition detailed on the drawings is included in this contract.

The day these projects start the plumbing contractor must be on site to disconnect kitchen equipment so the food service contractor can remove it.

This division includes labor, material, and equipment to furnish and install all plumbing including all domestic water systems, pipes, pumps, heads, sanitary soil waste and vent systems, storm drain systems, Grease trap and vent system, plumbing fixtures and equipment, traps and supports, insulation for plumbing systems and fixture installation, pipe and valve identification for a complete and operating system as shown and/or specified.

This division includes supply and installation of all gas piping and regulators, supply and installation of stainless-steel sinks in prefabricated casework, water heaters, condensate drains and fireproof sealants where plumbing work penetrates fire rated walls and ceilings.

The plumbing plans detail several new sanitary lines that must be connected to existing UG sanitary piping. In areas that require cutting, removal and replacement of concrete floors, the General Trades Contractor will remove and replace the concrete. The Plumbing Contractor must perform all required excavation, backfill, compaction and removal of excess dirt.

The drawings detail several new water pipes to connect to new equipment and fixtures and this piping is included in the Plumbing division.

This division includes the following prep work for the Food Service Equipment Contractor.

All required rough-ins and piping with stop valves, elbows, nipples, couplers, traps, waste vents, gas regulators for water, steam, gas, etc. and will also make final connections to the equipment. The plumber will also install all equipment accessories furnished by the FSEC. The plumber will provide the required water heater and piping unless noted otherwise and plumbing, mechanical and electrical subs shall disconnect and reconnect relocated equipment if applicable.

This division includes all required permits and fees as required by state code. Housekeeping and cleanup on a daily basis is included in this division.



This division includes as built drawings, operation and maintenance manuals, owner training and specified attic stock material.

Gardner Phase 1 includes all work in Kitchen Area including Rooms 130A, 134, 136 and 137.

Gardner Phase 2 includes the balance of the Plumbing work including Rooms 131, 132, 129, 133, 121 and 125.

3. Bid Division G – HVAC will include:

Section	024119	Selective Demo
	078400	Firestopping
	230000	HVAC

Gardner Elementary is the only school that includes HVAC work.  
Gardner Phase 1 includes Kitchen Area only to be completed Summer of 2026.  
Gardner Phase 2 will proceed in Summer 2027.

Any roof patching must be scheduled with the roofing company that holds the warranties for these projects. If roof curbs are required, they must be provided with the roof top equipment. Placement of roof top equipment must be approved by the CM. If additional steel is required, the CM will arrange for supply and erection of the steel.

This division includes labor, material and equipment to make the specified revisions to the HVAC system as detailed in the contract documents. The majority of the HVAC work involves revisions to the existing ductwork, grilles, diffusers and dampers, but if the documents specify new equipment such as pumps, stacks, flues, unit heaters, air handling units, unit vents, exhaust fans or furnaces, this contractor must provide and install all of the specified equipment.

Any required connections or adjustments to the ATC / BMS system are included in this contract. All engineering, installation, calibration, software programming and start-up of the ATC / BMS system are included in this contract.

Any specified testing and balance for the HVAC systems is included in this division.

This division includes all required permits and fees as required by state code. Housekeeping and cleanup on a daily basis is included in this division.

This division includes as built drawings, operation and maintenance manuals, owner training and specified attic stock material.

Gardner Phase 1 includes all work in Kitchen Area including Rooms 130A, 134, 136 and 137.

Gardner Phase 2 includes the balance of the HVAC work including Rooms 131, 132, 129, 133, 121 and 125.