



BID PACK 2

EBERSOLE CENTER FOOD SERVICE - EQUIPMENT REPLACEMENT & RENOVATIONS SO-1853

3400 2ND STREET
WAYLAND, MI 49348

03/13/26

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
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CONTRACTOR: BECKERING CONSTRUCTION 650 44TH ST SE GRAND RAPIDS, MI CONTACT: DAVID BECKERING	CONSULTANT: JRA FOOD SERVICE CONSULTANTS 3113 W. RIVER ROAD MUSKEGON, MI 49445 CONTACT: JIM RIEMENSCHNEIDER PHON: 616-454-4433

DRAWING INDEX

SHEET INDEX	
00 - GENERAL	
G000	COVER SHEET
04 - ARCHITECTURAL	
A001	GENERAL NOTES AND LEGEND
A002	GENERAL REQUIREMENTS
AD101	FIRST FLOOR DEMOLITION PLAN
A101	FIRST FLOOR AND CEILING PLANS
06 - PLUMBING	
PD101	FIRST FLOOR PLAN - DEMOLITION
P101	FIRST FLOOR PLAN - PLUMBING
08 - ELECTRICAL	
E100	DETAILS, SYMBOL LEGENDS & SPECIFICATIONS
E200	ONE-LINE DIAGRAM
ED101	FIRST FLOOR PLAN - DEMOLITION
EL101	FIRST FLOOR PLAN - LIGHTING / PHOTOMETRICS
EP101	FIRST FLOOR PLAN - POWER
10 - FOOD SERVICE	
FSE-0	FOOD SERVICE EQUIPMENT FLOOR PLAN
FSE-1	FOOD SERVICE EQUIPMENT FLOOR PLAN
FSE-2	FOOD SERVICE EQUIPMENT FLOOR PLAN
FSE-3	FOOD SERVICE EQUIPMENT FLOOR PLAN

CODE REVIEW

PROJECT SCOPE
INTERIOR RENOVATIONS CONSISTING OF REPLACEMENT OF FOOD SERVICE EQUIPMENT AND LIGHTING. ADDITIONAL SCOPE IS TO REMOVE A FOLDABLE PARTITION IN THE MULTI-PURPOSE ROOM AND MAKE REPAIRS TO EXISTING CEILINGS.

APPLICABLE BUILDING CODES

BUILDING CODE: 2021 MICHIGAN BUILDING CODE
2021 MICHIGAN REHABILITATION CODE

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: 7,288 SF
CONSTRUCTION TYPE: 3B
NON-SPRINKLERED

RENOVATION AREA: 4,900 SF

USE AND OCCUPANCY

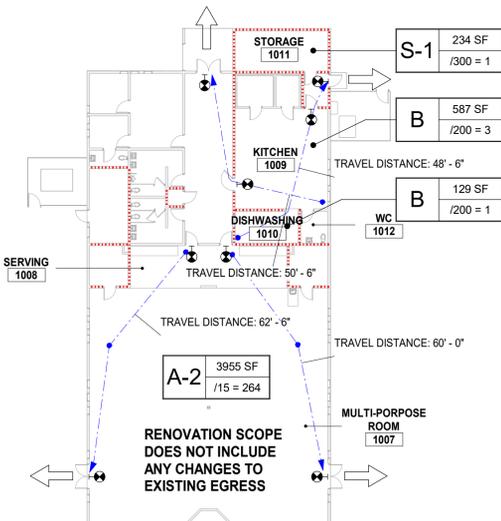
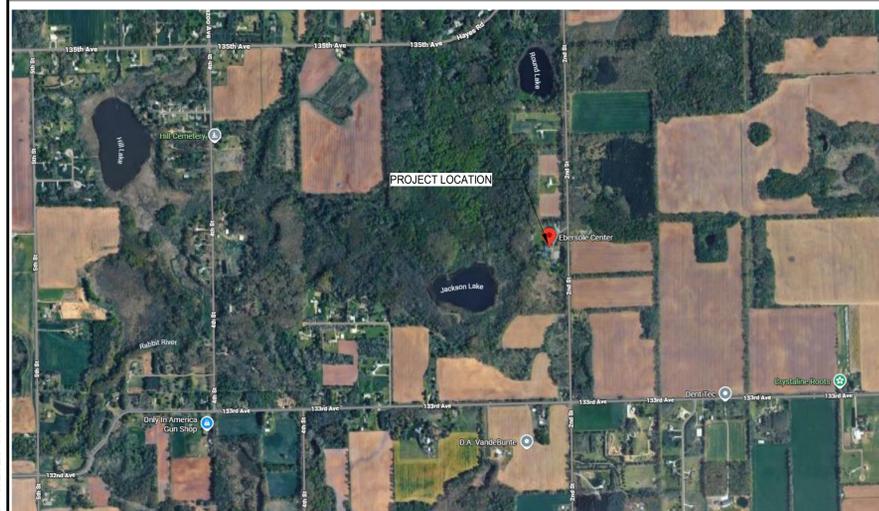
BUILDING IS CLASSIFIED AS "E" EDUCATIONAL, ACCESSORY USE "A" ASSEMBLY

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

PROJECT LOCATION MAP



1 LIFE SAFETY PLAN - AREA OF WORK
SCALE: 3/64" = 1'-0"



MI ARCHITECTURE
FIRM LICENSE # NLP000605

DRAWING NUMBER:

G000

GENERAL ARCHITECTURAL SYMBOLS	
VIEW TITLE DETAIL NO. 	DETAIL CALLOUT DETAIL NO. SIM DRAWING NO.
SECTION MARKER SECTION NO. DRAWING NO. 	ELEVATION MARKER ELEVATION NO. DRAWING NO. Ref 1
DETAIL SECTION DETAIL NO. DRAWING NO. 	BREAK MARKER NORTH ARROW (SHOWN IN KEYPLAN)
	NEW COLUMN ID XXX
	EXISTING COLUMN ID XXX
	KEYNOTE #
Room name 101 	KEYNOTE (REMOVALS) #
	EQUIPMENT TAG XX
	ELEVATION NOTATION
	CEILING HEIGHT 8'-0"

MATERIAL INDICATORS			
	UNDISTURBED EARTH		STEEL
	GRAVEL OR CRUSHED STONE		RIGID INSULATION
	CAST STONE		BRICK
	CONCRETE		PLYWOOD
	CONCRETE MASONRY UNIT		SAND OR GYPSUM BOARD
	EXISTING		FINISH WOOD
	WOOD FRAMING (CONTINUOUS)		BATT INSULATION
	WOOD BLOCKING (DISCONTIN.)		

WALL STYLES			
	EXISTING BRICK WALL		BRICK WALL
	EXISTING CMU WALL		CMU WALL
	EXISTING STUD WALL		STUD WALL
	EXISTING WALL REMOVAL		

GENERAL PARTITION NOTES	
WALLS	
<p>A. DIMENSIONS:</p> <p>a. STUD WALLS ARE TO FACE OF STUD, UNLESS OTHERWISE INDICATED IN A.c. OR A.d. BELOW.</p> <p>b. MASONRY WALLS ARE TO FACE OF MASONRY.</p> <p>c. EXISTING CONSTRUCTION ARE TO FINISHED FACE OF CONSTRUCTION.</p> <p>d. WHERE NOTED AS "CLR" DIMENSIONS ARE TO FINISHED SURFACE AND ARE CRITICAL FOR ACCESSIBILITY REQUIREMENTS OR BUILT-IN FURNISHINGS.</p> <p>B. RATINGS:</p> <p>a. SMOKE WALLS AND SMOKE BARRIERS: SMOKE WALLS AND SMOKE BARRIERS MUST FORM A COMPLETE BARRIER TO LIMIT THE TRANSFER OF SMOKE, INCLUDING PERIMETER DETAILS, PENETRATIONS, AND AS REQUIRED BETWEEN WALLS AND DOOR JAMBS, OR SIDELIGHT FRAMES. THE MEMBRANE IS TO BE CONTINUOUS THROUGH ALL CONCEALED SPACES.</p> <p>1. RECESSED CABINETS, OUTLET BOXES, AND OTHER PENETRATIONS MUST BE SEALED</p> <p>2. OPENINGS AROUND PENETRATIONS ARE TO BE SEALED.</p> <p>3. ALL EXPOSED JOINTS, ANGLES, AND ABUTMENTS IN THE SYSTEM, INCLUDING FLOOR AND ABOVE CEILING MUST BE TAPED AND FINISHED.</p> <p>4. SEAL THE INTERFACE BETWEEN WALLS AND DOOR JAMBS, OR SIDELIGHT FRAMES.</p> <p>b. FIRE WALLS AND FIRE BARRIERS: FIRE WALLS AND FIRE BARRIERS MUST BE SIMILARLY CONSTRUCTED AS A COMPLETE BARRIER TO RESIST THE SPREAD OF SMOKE AND FIRE. PENETRATIONS MUST BE SEALED AND LABELED WITH AN APPROVED FIRE RESISTANT JOINT SYSTEM. INSTALL A FIRE RESISTANT JOINT SYSTEM AT THE HEAD AND FLOOR CONDITION OF FIRE RATED WALLS AND BARRIERS.</p> <p>c. FIRE AND SMOKE WALL / BARRIER / WALLS LABELING:</p> <p>1. WHERE THERE IS AN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING, OR ATTIC SPACE, FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS, AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING IN THE CONCEALED SPACE. SUCH IDENTIFICATION SHALL:</p> <p>A. BE LOCATED WITHIN 15 FEET (4572 MM) OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30 FEET (9144 MM) MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION.</p> <p>B. INCLUDE LETTERING NOT LESS THAN 3 INCHES (76 MM) IN HEIGHT WITH A MINIMUM 3/8-INCH (9.5 MM) STROKE IN A CONTRASTING COLOR INCORPORATING THE SUGGESTED WORDING, "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS," OR OTHER WORDING.</p> <p>d. ACOUSTICAL WALLS: WALLS INDICATED WITH ACOUSTICAL BATT, AND/OR A GIVEN AN STC RATING, SHALL BE CONSTRUCTED TO MINIMIZE SOUND TRANSMISSION AS FOLLOWS:</p> <p>1. PROVIDE ACOUSTICAL SEALANT AT ALL FLOOR AND HEAD LEVELS, EACH SIDE OF THE WALLS.</p> <p>2. SET TRACK IN 3 CONTINUOUS BEADS OF ACOUSTICAL SEALANT.</p> <p>3. EXTEND SOUND BATTS THOROUGH ANY INTERSECTING WALLS.</p> <p>4. STAGGER OUTLETS A MINIMUM OF 24 INCHES HORIZONTAL. DO NOT INSTALL MORE THAN ONE OUTLET IN A COMMON STUD CAVITY. SEAL JOINTS AROUND OUTLETS WITH ACOUSTICAL SEALANT.</p>	

GENERAL NOTES	
ALL GENERAL NOTES PERTAIN TO ALL ARCHITECTURAL (A-SERIES) DRAWINGS IN THIS SET	
GENERAL	
<p>1. DEFINITIONS: "PROVIDE" MEANS FURNISH AND INSTALL. SUPPLY LABOR AND MATERIALS TO RESULT IN A FINISHED AND/OR OPERABLE SYSTEM.</p> <p>2. CONTRACTOR RESPONSIBILITIES:</p> <p>A. MATERIALS, CONSTRUCTION METHODS INCLUDING BUT NOT LIMITED TO LAYOUT, COORDINATION, SCHEDULE AND CONSTRUCTION SITE ACCESS AND WORK.</p> <p>B. DAILY CLEANING: KEEP SITE FREE FROM WASTE, RUBBISH, AND DEBRIS. REMOVE DAILY. WHEN WORK IS COMPLETE, LEAVE THE PREMISES BROOM CLEAN AND CLEAN FINISHED SURFACES, FIXTURES, GLASS, STOREFRONT, ETC.</p> <p>C. FINAL CLEANING, PRIOR TO PUNCHLIST INSPECTION BROOM CLEAN ALL HARD SURFACE FLOORS, VACUUM ALL CARPETING AND WIPE DOWN ALL HORIZONTAL AND GLASS SURFACES PROVIDING A DUST FREE SURFACE.</p> <p>D. TEMPORARY PROTECTION IS REQUIRED TO MAINTAIN ONGOING BUILDING OPERATIONS, EXITING PATHS, DUST CONTROL AND OCCUPANT SAFETY. IDENTIFY THE REQUIREMENTS FOR TEMPORARY PROTECTION AND PROJECT PHASING. COORDINATE WITH OWNER FOR OTHER REQUIREMENTS.</p> <p>E. COORDINATE STARTUP AND ADJUSTING OF EQUIPMENT AND OPERATING COMPONENTS. START EQUIPMENT AND OPERATING COMPONENTS AND TEST TO CONFIRM PROPER OPERATION AND CONTROL. REMOVE MALFUNCTIONING UNITS, REPLACE WITH NEW UNITS, AND RETEST.</p> <p>F. CLOSEOUT DOCUMENTS, CERTIFICATE OF RELEASE FROM THE AUTHORITY OF JURISDICTION AND INSURANCE FOR CONTINUING COVERAGE, WARRANTIES, TEST & INSPECTION RESULTS AND OPERATION, EMERGENCY & MAINTENANCE MANUALS.</p> <p>3. EXISTING CONDITIONS: REVIEW EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING WORK AND REPORT DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.</p> <p>4. CONTRACT DOCUMENTS:</p> <p>A. PLANS, ELEVATIONS, SECTIONS, DETAILS AND SCHEDULES ARE COMPLEMENTARY. PLAN DRAWINGS WILL TAKE PRECEDENCE OVER ELEVATION, SECTION AND DETAILS DRAWINGS IN ANY CONFLICTS OF HORIZONTAL DIMENSIONS. DETAIL PLAN DRAWINGS WILL TAKE PRECEDENCE OVER LARGER SCALE PLANS IN ANY CONFLICTS WITH HORIZONTAL DIMENSIONS. WALL AND BUILDING SECTIONS WILL TAKE PRECEDENCE OVER PLAN DRAWING AND DETAILS IN ANY CONFLICTS WITH VERTICAL DIMENSIONS. DETAILS AND WALL SECTIONS WILL TAKE PRECEDENCE OVER ELEVATION AND PLAN DRAWINGS IN ANY CONFLICTS WITH MATERIAL DESCRIPTION. SCHEDULES WILL TAKE PRECEDENCE OVER OTHER ARCHITECTURAL DRAWINGS IN AND CONFLICTS WITH WALL, FLOOR AND CEILING FINISHES AND DOOR, DOOR HARDWARE AND FENESTRATION INFORMATION.</p> <p>B. DRAWINGS PREPARED BY THE ARCHITECT ARE INSTRUMENTS OF THE ARCHITECT'S SERVICE FOR USE SOLELY WITH RESPECT TO THIS PROJECT AND, UNLESS OTHERWISE PROVIDED, BERGMANN SHALL BE DEEMED THE AUTHOR OF THESE DOCUMENTS AND RETAIN ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT.</p> <p>C. WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDUM.</p>	
FIELD CONDITIONS	
<p>1. REPAIR: EXISTING SURFACES TO REMAIN IMPACTED BY DEMOLITION TO MATCH EXISTING ADJACENT SURFACES.</p> <p>2. DISCREPANCIES: NOTIFY ARCHITECT OF EXISTING DAMAGED OR DETERIORATED BUILDING ELEMENTS REVEALED DURING DEMOLITION OR CONSTRUCTION PRIOR TO PROCEEDING WITH ADDITIONAL WORK IN THE AREA.</p> <p>3. SAFETY: FOLLOW THE OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) 29 CFR 1926.62. LEAD EXPOSURE IN CONSTRUCTION REGULATION. MATERIALS HAVING A CONCENTRATION EQUAL OR GREATER THAN 0.5% BY WEIGHT IN LEAD ARE CONSIDERED TO BE LEAD BASED. HOWEVER, OSHA CONSIDERS ANY AMOUNT OF LEAD ENCOUNTERED DURING CONSTRUCTION TO BE OF CONCERN. THE REGULATION STATES THAT THE EMPLOYER SHALL ASSURE THAT NO EMPLOYEE IS EXPOSED TO LEAD AT CONCENTRATIONS GREATER THAN FIFTY MICROGRAMS PER CUBIC METER OF AIR (50 MG/M³) AVERAGED OVER AN 8-HOUR PERIOD. CONTRACTORS SHALL DETERMINE AND TAKE APPROPRIATE MEASURES IF THEY SUSPECT THE PRESENCE OF LEAD.</p>	
FINISHES	
<p>A. GENERAL: FINISHED FLOORS EXTEND INTO TOE SPACES, UNDER CASEWORK ON LAB PROJECTS, CLOSETS, DOOR REVEALS AND SIMILAR OPENINGS.</p> <p>B. PRODUCTS:</p> <p>A. INSTALL MATERIALS USING MANUFACTURER'S APPROVED ADHESIVES AND METHODS, U.N.O.</p> <p>B. PAINT DESIGNATIONS INDICATE COLOR ONLY, REFER TO SPECIFICATION FOR FINISH TYPE.</p> <p>C. PROVIDE SELF LEVELING TROWELABLE UNDERLAYMENT WHERE REQUIRED TO OBTAIN FINISH MANUFACTURER'S REQUIRED SUBFLOOR CONDITION.</p> <p>C. EXECUTION:</p> <p>A. ADHERE TO MATERIAL OR SYSTEM MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND TOLERANCES. ANY VARIATIONS FROM WRITTEN INSTALLATION AND INSTRUCTIONS MUST RECEIVE WRITTEN APPROVAL FROM THE MANUFACTURER AND MAINTAIN MANUFACTURER'S WARRANTIES.</p> <p>B. PRIOR TO STARTING THE INSTALLATION OF A MATERIAL OR SYSTEM, VERIFY THE SUBSTRATE IS WITHIN THE MANUFACTURER'S REQUIRED TOLERANCES AND REQUIRED CLEARANCES ARE PROVIDED. NOTIFY THE CONSTRUCTION MANAGER OR GENERAL CONTRACTOR AND DESIGN PROFESSIONAL IN WRITING WHEN THE SUBSTRATE IS NOT WITHIN MANUFACTURER'S TOLERANCE OR REQUIRED CLEARANCES ARE NOT PROVIDED. PROCEEDING WITH INSTALLATION SIGNIFIES ACCEPTANCE OF THE SUBSTRATE AND CLEARANCES.</p> <p>C. PROVIDE MANUFACTURER'S REQUIRED ENVIRONMENTAL TESTS FOR MOISTURE, VAPOR DRIVE, RELATIVE HUMIDITY AND TEMPERATURE TO VERIFY THESE ARE WITHIN THE MATERIAL MANUFACTURER'S TOLERANCE PRIOR TO INSTALLING MATERIALS.</p> <p>D. MATERIAL AND INSTALLATION SHALL CONFORM WITH LOCAL, STATE AND NATIONAL BUILDING CODES AND CONSTRUCTION STANDARDS ENFORCED BY THE AUTHORITY HAVING JURISDICTION.</p> <p>E. REQUIRED DOCUMENTATION:</p> <p>1. SAFETY DATA SHEETS.</p> <p>2. PROVIDE SAMPLES FOR ALL FINISH MATERIALS.</p> <p>3. PROVIDE SHOP DRAWINGS OF MATERIALS AND SYSTEMS, WHICH WILL BE BUILT INTO AND MUST BE COORDINATED WITH OTHER CONSTRUCTION. SHOP DRAWINGS SHALL CONSIST OF PLAN, ELEVATION, SECTION VIEWS AND DETAILS AS REQUIRED TO COMMUNICATE FINAL APPEARANCE AND CONNECTION TO ADJOINING CONSTRUCTION.</p> <p>F. PROTECT ADJACENT SURFACES DURING WORK.</p> <p>G. REMOVE ADHESIVE OR PAINT SPOTS FROM FINISHED FLOORS, WALLS, GLASS OR OTHER SURFACES. FINISHES TO MEET OR EXCEED CODE REQUIREMENTS.</p> <p>H. FILL MINOR DRYWALL IRREGULARITIES WITH SPACKLING COMPOUND AND SAND TO A SMOOTH LEVEL SURFACE. EXERCISE CARE TO AVOID RAISING THE NAP OF PAPER.</p> <p>I. 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 TO BE BROOM CLEAN BEFORE PAINTING IS STARTED.</p> <p>J. EDGES OF PAINT ADJOINING OTHER COLORS OR MATERIALS TO BE SHARP AND CLEAN WITHOUT OVERLAP.</p> <p>K. 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.</p>	

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REV	DATE	DESCRIPTION
3	03/13/26	BID PACK 2 - BIDS & PERMITS

LANSING SCHOOL DISTRICT

BID PACK 2
EBERSOLE CENTER FOOD SERVICE - EQUIPMENT REPLACEMENT & RENOVATIONS SO-1853

3400 2ND STREET
WAYLAND, MI 49348

MI ARCHITECTURE
FIRM LICENSE # NLP000605

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DESIGNER: E. POST	REVIEWER:
DATE ISSUED: 03/13/26	PROJECT NUMBER: 26000750A

SHEET NAME:
GENERAL NOTES AND LEGEND

DRAWING NUMBER:
A001

NOTE: DO NOT SCALE DRAWING FOR CONSTRUCTION.

GENERAL REQUIREMENTS:

SUBSTITUTION PROCEDURES:

- A. SUBSTITUTIONS FOR CAUSE: CHANGES PROPOSED BY CONTRACTOR THAT ARE REQUIRED DUE TO CHANGED PROJECT CONDITIONS, SUCH AS UNAVAILABILITY OF PRODUCT, REGULATORY CHANGES, OR UNAVAILABILITY OF REQUIRED WARRANTY TERMS.
- B. SUBSTITUTIONS FOR CONVENIENCE: CHANGES PROPOSED BY CONTRACTOR OR OWNER THAT ARE NOT REQUIRED IN ORDER TO MEET OTHER PROJECT REQUIREMENTS BUT MAY OFFER ADVANTAGE TO CONTRACTOR OR OWNER. SUBSTITUTIONS FOR CONVENIENCE ARE ALLOWED ONLY BY APPROVAL OF THE OWNER OR OWNER'S AGENT.
- C. SUBMIT REQUEST FOR CONSIDERATION. IDENTIFY PRODUCT OR FABRICATION OR INSTALLATION METHOD TO BE REPLACED. INCLUDE PRODUCT, MATERIAL OR SYSTEM NAME AND AFFECTED DRAWING NUMBERS AND TITLES.
- D. EXECUTE ACCEPTED SUBSTITUTIONS UNDER THE SAME CONDITIONS AS OTHER WORK OF THE CONTRACT.
- E. DOCUMENTATION: SHOW COMPLIANCE WITH REQUIREMENTS FOR SUBSTITUTIONS AND THE FOLLOWING, AS APPLICABLE:
 1. COST INFORMATION, INCLUDING A PROPOSAL OF CHANGE, IF ANY, IN THE CONTRACT SUM.
 2. CONTRACTOR'S CERTIFICATION THAT PROPOSED SUBSTITUTION COMPLIES WITH REQUIREMENTS IN THE CONTRACT DOCUMENTS, EXCEPT AS INDICATED IN SUBSTITUTION REQUEST, IS COMPATIBLE WITH RELATED MATERIALS AND IS APPROPRIATE FOR APPLICATIONS INDICATED.
 3. STATEMENT INDICATING WHY SPECIFIED PRODUCT OR FABRICATION, OR INSTALLATION METHOD CANNOT BE PROVIDED, IF APPLICABLE.
 4. COORDINATION OF INFORMATION, INCLUDING A LIST OF CHANGES OR REVISIONS NEEDED TO OTHER PARTS OF THE WORK AND TO CONSTRUCTION PERFORMED BY OWNER AND SEPARATE CONTRACTORS THAT WILL BE NECESSARY TO ACCOMMODATE PROPOSED SUBSTITUTION.
 5. PRODUCT DATA, INCLUDING DRAWINGS AND DESCRIPTIONS OF PRODUCTS AND FABRICATION AND INSTALLATION PROCEDURES. INCLUDE DETAILED COMPARISON OF SIGNIFICANT QUALITIES OF PROPOSED SUBSTITUTIONS WITH THOSE OF THE WORK SPECIFIED. SIGNIFICANT QUALITIES MAY INCLUDE ATTRIBUTES, SUCH AS PERFORMANCE, WEIGHT, SIZE, DURABILITY, VISUAL EFFECT, SUSTAINABLE DESIGN CHARACTERISTICS, WARRANTIES, AND SPECIFIC FEATURES AND REQUIREMENTS INDICATED. INDICATE DEVIATIONS, IF ANY, FROM THE WORK SPECIFIED
 6. CONTRACTOR'S WAIVER OF RIGHTS TO ADDITIONAL PAYMENT OR TIME THAT MAY SUBSEQUENTLY BECOME NECESSARY BECAUSE OF FAILURE OF PROPOSED SUBSTITUTION TO PRODUCE INDICATED RESULTS.
- F. ARCHITECT'S ACTION: IF NECESSARY, ARCHITECT WILL REQUEST ADDITIONAL INFORMATION OR DOCUMENTATION FOR EVALUATION WITHIN 7 DAYS OF RECEIPT OF A REQUEST FOR SUBSTITUTION. ARCHITECT WILL NOTIFY CONTRACTOR OF ACCEPTANCE OR REJECTION OF PROPOSED SUBSTITUTION WITHIN 14 DAYS OF RECEIPT OF REQUEST, OR 7 DAYS OF RECEIPT OF ADDITIONAL INFORMATION OR DOCUMENTATION.
- G. ARCHITECT WILL CONSIDER CONTRACTOR'S REQUEST FOR SUBSTITUTION WHEN THE LISTED REQUIREMENTS ARE SATISFIED. IF THE LISTED REQUIREMENTS ARE NOT SATISFIED, ARCHITECT WILL RETURN REQUESTS WITHOUT ACTION, EXCEPT TO RECORD NONCOMPLIANCE WITH LISTED REQUIREMENTS.
- H. FORMS OF ACCEPTANCE: CHANGE ORDER, CONSTRUCTION CHANGE DIRECTIVE, OR ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS FOR MINOR CHANGES IN THE WORK.

SUBMITTAL REQUIREMENTS:

- A. PREPARE SUBMITTAL SCHEDULE: SUBMIT, AS AN ACTION SUBMITTAL, A LIST OF SUBMITTALS, ARRANGED IN CHRONOLOGICAL ORDER BY DATES REQUIRED BY CONSTRUCTION SCHEDULE. INCLUDE TIME REQUIRED FOR REVIEW, ORDERING, MANUFACTURING, FABRICATION, AND DELIVERY WHEN ESTABLISHING DATES. INCLUDE ADDITIONAL TIME REQUIRED FOR MAKING CORRECTIONS OR REVISIONS TO SUBMITTALS NOTED BY ARCHITECT AND CONTRACTOR OR CONSTRUCTION MANAGER AND ADDITIONAL TIME FOR HANDLING AND REVIEWING SUBMITTALS REQUIRED BY THOSE CORRECTIONS.
- B. PREPARE AND SUBMIT SUBMITTALS AS INCLUDED IN THE SUBMITTAL SCHEDULE.
- C. EMAIL: PREPARE SUBMITTALS AS PDF PACKAGE AND TRANSMIT TO ARCHITECT BY SENDING VIA EMAIL. INCLUDE PDF TRANSMITTAL FORM.
- D. WEB-BASED PROJECT MANAGEMENT SOFTWARE: PREPARE SUBMITTALS IN PDF FORM, AND UPLOAD TO WEB-BASED PROJECT MANAGEMENT SOFTWARE WEBSITE. ENTER REQUIRED DATA IN WEB-BASED SOFTWARE SITE TO FULLY IDENTIFY SUBMITTAL.
- E. ACTION SUBMITTALS AND INFORMATIONAL SUBMITTALS: REVIEW EACH SUBMITTAL AND CHECK FOR COORDINATION WITH OTHER WORK OF THE CONTRACT AND FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. NOTE CORRECTIONS AND FIELD DIMENSIONS. MARK WITH APPROVAL STAMP BEFORE SUBMITTING TO ARCHITECT.
- F. USE FOR CONSTRUCTION: RETAIN COMPLETE COPIES OF SUBMITTALS ON PROJECT SITE. USE ONLY FINAL ACTION SUBMITTALS THAT ARE MARKED WITH NOTATION FROM ARCHITECT'S AND CONTRACTOR'S ACTION STAMP.
- G. SUBMITTAL INFORMATION: INCLUDE THE FOLLOWING INFORMATION IN EACH SUBMITTAL:
 1. PROJECT NAME, DATE AND INDICATION OF FULL OR PARTIAL SUBMITTAL.
 2. ARCHITECT'S AND CONTRACTOR'S AND/OR CONSTRUCTION MANAGERS, FIRM OR ENTITY THAT PREPARED SUBMITTAL AND SUBCONTRACTOR, MANUFACTURER, AND SUPPLIER NAMES.
 3. NUMBER AND TITLE OF SPECIFICATION SECTION, WITH PARAGRAPH NUMBER AND GENERIC NAME FOR EACH OF MULTIPLE ITEMS
 4. MATERIAL OR SYSTEM NAME AND DRAWING NUMBER AND DETAIL REFERENCES, AS APPROPRIATE.
 5. IDENTIFY OPTIONS REQUIRING SELECTION BY ARCHITECT.
 6. LOCATION(S) WHERE PRODUCT IS TO BE INSTALLED, AS APPROPRIATE AND OTHER NECESSARY INFORMATION.
 7. ON EACH SUBMITTAL, CLEARLY INDICATE DEVIATIONS FROM REQUIREMENTS IN THE CONTRACT DOCUMENTS, INCLUDING MINOR VARIATIONS AND LIMITATIONS; INCLUDE RELEVANT ADDITIONAL INFORMATION AND REVISIONS, OTHER THAN THOSE REQUESTED BY ARCHITECT AND CONTRACTOR ON PREVIOUS SUBMITTALS. INDICATE BY HIGHLIGHTING ON EACH SUBMITTAL OR NOTING ON ATTACHED SEPARATE SHEET.
- H. INCOMPLETE SUBMITTALS ARE UNACCEPTABLE, WILL BE CONSIDERED NONRESPONSIVE, AND WILL BE RETURNED FOR RESUBMITTAL WITHOUT REVIEW.
- I. ARCHITECT'S ACTION: ARCHITECT WILL REVIEW INFORMATION OR DOCUMENTATION NOTIFY CONTRACTOR OF ACCEPTANCE REQUEST FOR MORE INFORMATION OR REJECTION WITHIN 14 DAYS OF RECEIPT. ARCHITECT WILL REVIEW RESUBMITTAL WITHIN 14 DAYS OF RECEIPT.
- J. SUBMITTALS NOT REQUIRED BY THE CONTRACT DOCUMENTS WILL BE RETURNED BY ARCHITECT WITHOUT ACTION.

QUALITY REQUIREMENTS:

- A. CONFLICTING STANDARDS AND OTHER REQUIREMENTS: IF COMPLIANCE WITH TWO OR MORE STANDARDS OR REQUIREMENTS IS SPECIFIED AND THE STANDARDS OR REQUIREMENTS ESTABLISH DIFFERENT OR CONFLICTING REQUIREMENTS FOR MINIMUM QUANTITIES OR QUALITY LEVELS, INFORM THE ARCHITECT REGARDING THE CONFLICT AND OBTAIN CLARIFICATION PRIOR TO PROCEEDING WITH THE WORK. REFER CONFLICTING REQUIREMENTS THAT ARE DIFFERENT, BUT APPARENTLY EQUAL, TO ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING.
- B. PREPARE AND SUBMIT CERTIFIED WRITTEN REPORTS REQUIRED. INCLUDE THE FOLLOWING:
 1. PROJECT TITLE AND NUMBER AND DATE OF ISSUE, RECORD OF TEMPERATURE AND WEATHER CONDITIONS AT TIME OF SAMPLE TAKING AND TESTING AND INSPECTION. NAME AND SIGNATURE OF LABORATORY INSPECTOR.
 2. NAME, ADDRESS, TELEPHONE NUMBER, AND EMAIL ADDRESS OF TESTING AGENCY
 3. DATES AND LOCATIONS OF SAMPLES AND TESTS OR INSPECTIONS.
 4. TEST AND INSPECTION RESULTS AND AN INTERPRETATION OF TEST RESULTS. COMMENTS OR PROFESSIONAL OPINION ON WHETHER TESTED OR INSPECTED WORK COMPLIES WITH THE CONTRACT DOCUMENT REQUIREMENTS. RECOMMENDATIONS ON RETESTING AND REINSPECTING.
- C. MANUFACTURER QUALIFICATIONS: A FIRM EXPERIENCED IN MANUFACTURING PRODUCTS OR SYSTEMS SIMILAR TO THOSE INDICATED FOR THIS PROJECT AND WITH A RECORD OF SUCCESSFUL IN-SERVICE PERFORMANCE, AS WELL AS SUFFICIENT PRODUCTION CAPACITY TO PRODUCE REQUIRED UNITS. AS APPLICABLE, PROCURE PRODUCTS FROM MANUFACTURERS ABLE TO MEET QUALIFICATION REQUIREMENTS, WARRANTY REQUIREMENTS, AND TECHNICAL OR FACTORY-AUTHORIZED SERVICE REPRESENTATIVE REQUIREMENTS.
- D. FABRICATOR QUALIFICATIONS: A FIRM EXPERIENCED IN PRODUCING PRODUCTS SIMILAR TO THOSE INDICATED FOR THIS PROJECT AND WITH A RECORD OF SUCCESSFUL IN-SERVICE PERFORMANCE, AS WELL AS SUFFICIENT PRODUCTION CAPACITY TO PRODUCE REQUIRED UNITS.
- E. INSTALLER QUALIFICATIONS: A FIRM OR INDIVIDUAL EXPERIENCED IN INSTALLING, ERECTING, APPLYING, OR ASSEMBLING WORK SIMILAR IN MATERIAL, DESIGN, AND EXTENT TO THAT INDICATED FOR THIS PROJECT, WHOSE WORK HAS RESULTED IN CONSTRUCTION WITH A RECORD OF SUCCESSFUL IN-SERVICE PERFORMANCE.
- F. TESTING AND INSPECTING AGENCY QUALIFICATIONS: AN NRTL, AN NLAB, OR AN INDEPENDENT AGENCY WITH THE EXPERIENCE AND CAPABILITY TO CONDUCT TESTING AND INSPECTION INDICATED, AS DOCUMENTED ACCORDING TO **IASTM E2299 - INSERT STANDARD**; AND WITH ADDITIONAL QUALIFICATIONS REQUIRED BY THE CONSTRUCTION DOCUMENTS; AND, WHERE REQUIRED BY AUTHORITIES HAVING JURISDICTION, THAT IS ACCEPTABLE TO AUTHORITIES.
- G. PRECONSTRUCTION TESTING: WHERE TESTING AGENCY IS INDICATED TO PERFORM PRECONSTRUCTION TESTING FOR COMPLIANCE WITH SPECIFIED REQUIREMENTS FOR PERFORMANCE AND TEST METHODS, COMPLY WITH THE FOLLOWING:
 1. CONTRACTOR RESPONSIBILITIES INCLUDE THE FOLLOWING: PROVIDE TEST SPECIMENS REPRESENTATIVE OF PROPOSED PRODUCTS AND CONSTRUCTION. SUBMIT SPECIMENS IN A TIMELY MANNER WITH SUFFICIENT TIME FOR TESTING AND ANALYZING RESULTS TO PREVENT DELAYING THE WORK. WHEN TESTING IS COMPLETE, REMOVE TEST SPECIMENS AND TEST ASSEMBLIES, AND MOCKUPS UNLESS NOTED OTHERWISE; DO NOT REUSE PRODUCTS ON PROJECT.
 2. TESTING AGENCY RESPONSIBILITIES: SUBMIT A CERTIFIED WRITTEN REPORT OF EACH TEST, INSPECTION, AND SIMILAR QUALITY-ASSURANCE SERVICE TO ARCHITECT, CONTRACTOR OR **CONSTRUCTION MANAGER AND COMMISSIONING AUTHORITY**. INTERPRET TESTS AND INSPECTIONS AND STATE IN EACH REPORT WHETHER TESTED AND INSPECTED WORK COMPLIES WITH OR DEVIATES FROM THE CONTRACT DOCUMENTS.
- H. MOCKUPS: BEFORE INSTALLING PORTIONS OF THE WORK REQUIRING MOCKUPS, BUILD MOCKUPS FOR EACH FORM OF CONSTRUCTION AND FINISH REQUIRED TO COMPLY WITH THE FOLLOWING REQUIREMENTS, USING MATERIALS INDICATED FOR THE COMPLETED WORK, TO SIZE AND LOCATION INDICATED. DEMONSTRATE THE PROPOSED RANGE OF AESTHETIC EFFECTS AND WORKMANSHIP. NOTIFY ARCHITECT, CONTRACTOR AND **CONSTRUCTION MANAGER** 7 DAYS IN ADVANCE OF DATES AND TIMES WHEN MOCKUPS WILL BE CONSTRUCTED AND ALLOW 7 DAYS FOR REVIEW AND APPROVAL. OBTAIN THE APPROVAL FROM ARCHITECT, CONTRACTOR AND **CONSTRUCTION MANAGER** BEFORE STARTING CORRESPONDING WORK, FABRICATION, OR CONSTRUCTION. MAINTAIN MOCKUPS DURING CONSTRUCTION IN AN UNDISTURBED CONDITION AS A STANDARD FOR JUDGING THE COMPLETED WORK. DEMOLISH AND REMOVE MOCKUPS WHEN DIRECTED UNLESS OTHERWISE INDICATED.
- I. QUALITY CONTROL:
 1. CONTRACTOR RESPONSIBILITIES: TESTS AND INSPECTIONS ARE CONTRACTOR'S RESPONSIBILITY. PERFORM ADDITIONAL QUALITY-CONTROL ACTIVITIES, WHETHER SPECIFIED OR NOT, TO VERIFY AND DOCUMENT THAT THE WORK COMPLIES WITH REQUIREMENTS. ENGAGE A QUALIFIED TESTING AGENCY TO PERFORM QUALITY-CONTROL SERVICES. NOTIFY TESTING AGENCIES AT LEAST (72) HOURS IN ADVANCE OF TIME WHEN WORK THAT REQUIRES TESTING OR INSPECTION WILL BE PERFORMED. COOPERATE WITH AGENCIES AND REPRESENTATIVES PERFORMING REQUIRED TESTS, INSPECTIONS, AND SIMILAR QUALITY-CONTROL SERVICES, AND PROVIDE REASONABLE AUXILIARY SERVICES AS REQUESTED.
 2. TESTING AGENCY RESPONSIBILITIES: COOPERATE WITH ARCHITECT, CONTRACTOR OR CONSTRUCTION MANAGER AND **COMMISSIONING AUTHORITY** IN PERFORMANCE OF DUTIES. PROVIDE QUALIFIED PERSONNEL TO PERFORM REQUIRED TESTS AND INSPECTIONS. INTERPRET TESTS AND INSPECTIONS AND STATE IN EACH REPORT WHETHER TESTED AND INSPECTED WORK COMPLIES WITH OR DEVIATES FROM REQUIREMENTS. NOTIFY ARCHITECT, CONTRACTOR OR CONSTRUCTION MANAGER AND **COMMISSIONING AUTHORITY** PROMPTLY OF IRREGULARITIES OR DEFICIENCIES OBSERVED IN THE WORK DURING PERFORMANCE OF ITS SERVICES.
 3. CONTRACTOR AND TESTING AGENCY SHALL COORDINATE SEQUENCE OF ACTIVITIES TO ACCOMMODATE REQUIRED QUALITY-ASSURANCE AND QUALITY-CONTROL SERVICES WITH A MINIMUM OF DELAY AND TO AVOID NECESSITY OF REMOVING AND REPLACING CONSTRUCTION TO ACCOMMODATE TESTING AND INSPECTION.
- J. SPECIAL TESTS AND INSPECTIONS: OWNER WILL ENGAGE A QUALIFIED **TESTING AGENCY** OR **SPECIAL INSPECTOR** TO CONDUCT SPECIAL TESTS AND INSPECTIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION AS THE RESPONSIBILITY OF OWNER AS INDICATED IN THE STATEMENT OF SPECIAL INSPECTIONS, AND AS FOLLOWS:
 1. VERIFYING THAT MANUFACTURER MAINTAINS DETAILED FABRICATION AND QUALITY-CONTROL PROCEDURES AND REVIEWING THE COMPLETENESS AND ADEQUACY OF THOSE PROCEDURES TO PERFORM THE WORK.
 2. NOTIFY ARCHITECT, CONTRACTOR OR CONSTRUCTION MANAGER AND **COMMISSIONING AUTHORITY** PROMPTLY OF IRREGULARITIES OR DEFICIENCIES OBSERVED IN THE WORK DURING PERFORMANCE OF ITS SERVICES.
 3. SUBMITTING A CERTIFIED WRITTEN REPORT OF EACH TEST, INSPECTION, AND SIMILAR QUALITY-CONTROL SERVICE TO ARCHITECT, CONTRACTOR OR CONSTRUCTION MANAGER AND **COMMISSIONING AUTHORITY** WITH COPY TO CONTRACTOR AND TO AUTHORITIES HAVING JURISDICTION. SUBMIT A FINAL REPORT OF SPECIAL TESTS AND INSPECTIONS AT SUBSTANTIAL COMPLETION, WHICH INCLUDES A LIST OF UNRESOLVED DEFICIENCIES.
 4. RETESTING AND REINSPECTING CORRECTED WORK.
- K. ALL RETESTING/REINSPECTING: REGARDLESS OF WHETHER ORIGINAL TESTS OR INSPECTIONS WERE CONTRACTOR'S RESPONSIBILITY OR THE OWNER'S SPECIAL INSPECTIONS, PROVIDE QUALITY-CONTROL SERVICES, INCLUDING RETESTING AND REINSPECTING, FOR CONSTRUCTION THAT REPLACED WORK THAT FAILED TO COMPLY WITH THE CONTRACT DOCUMENTS.

CONSTRUCTION WASTE MANAGEMENT:

- A. DEVELOP A WASTE MANAGEMENT PLAN AND SUBMIT PLAN FOR APPROVAL WITHIN 14 DAYS OF DATE ESTABLISHED FOR COMMENCEMENT OF THE WORK.
- B. DISTRIBUTE AND IMPLEMENT APPROVED WASTE MANAGEMENT PLAN. PROVIDE HANDLING, CONTAINERS, STORAGE, SIGNAGE, TRANSPORTATION, AND OTHER ITEMS AS REQUIRED TO IMPLEMENT WASTE MANAGEMENT PLAN DURING THE ENTIRE DURATION OF THE CONTRACT.
- C. TRAIN WORKERS, SUBCONTRACTORS, AND SUPPLIERS ON PROPER WASTE MANAGEMENT PROCEDURES, AS APPROPRIATE FOR THE WORK.
- D. SITE ACCESS AND TEMPORARY CONTROLS: CONDUCT WASTE MANAGEMENT OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, WALKWAYS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES. DESIGNATE AND LABEL SPECIFIC AREAS ON PROJECT SITE NECESSARY FOR SEPARATING MATERIALS THAT ARE TO BE SALVAGED AND RECYCLED.

CLOSEOUT PROCEDURES:

- A. CONTRACTOR'S LIST OF INCOMPLETE ITEMS: PREPARE AND SUBMIT A LIST OF ITEMS TO BE COMPLETED AND CORRECTED (CONTRACTOR'S "PUNCH LIST"), INDICATING THE VALUE OF EACH ITEM ON THE LIST AND REASONS WHY THE WORK IS INCOMPLETE.
- B. SUBMITTALS PRIOR TO SUBSTANTIAL COMPLETION: COMPLETE THE FOLLOWING A MINIMUM OF 10 DAYS PRIOR TO REQUESTING INSPECTION FOR DETERMINING DATE OF SUBSTANTIAL COMPLETION.
 1. **SUBMIT A FINAL APPLICATION FOR PAYMENT.**
 2. CERTIFICATE OF INSURANCE: SUBMIT EVIDENCE OF FINAL, CONTINUING INSURANCE COVERAGE.
 3. CERTIFIED LIST OF INCOMPLETE ITEMS: SUBMIT CERTIFIED COPY OF ARCHITECT'S SUBSTANTIAL COMPLETION INSPECTION LIST OF ITEMS TO BE COMPLETED OR CORRECTED (PUNCH LIST), ENDORSED AND DATED BY ARCHITECT. CERTIFIED COPY OF THE LIST SHALL STATE THAT EACH ITEM HAS BEEN COMPLETED OR OTHERWISE RESOLVED FOR ACCEPTANCE.
 4. CERTIFICATES OF RELEASE: OBTAIN AND SUBMIT RELEASES FROM AUTHORITIES HAVING JURISDICTION, PERMITTING OWNER UNRESTRICTED USE OF THE WORK AND ACCESS TO SERVICES AND UTILITIES. INCLUDE OCCUPANCY PERMITS, OPERATING CERTIFICATES, AND SIMILAR RELEASES.
 5. SUBMIT CLOSEOUT SUBMITTALS AS REQUIRED, INCLUDING SPECIFIC WARRANTIES, WORKMANSHIP BONDS, MAINTENANCE SERVICE AGREEMENTS, FINAL CERTIFICATIONS, AND SIMILAR DOCUMENTS.
 6. SUBMIT MAINTENANCE MATERIAL SUBMITTALS SPECIFIED IN INDIVIDUAL SECTIONS, INCLUDING TOOLS, SPARE PARTS, EXTRA MATERIALS, AND SIMILAR ITEMS, AND DELIVER TO LOCATION DESIGNATED BY OWNER OR OWNER'S AGENT. LABEL WITH MANUFACTURER'S NAME AND MODEL NUMBER.
 7. SUBMIT TESTING, ADJUSTING, AND BALANCING RECORDS.
 8. SUBMIT CHANGEOVER INFORMATION RELATED TO OWNER'S OCCUPANCY, USE, OPERATION, AND MAINTENANCE.
 9. ALL CLOSE OUT DOCUMENTS TO BE SUBMITTED TO OWNER BY SINGLE THUMB DRIVE

C. FINAL CLEANING

1. EMPLOY EXPERIENCED WORKERS OR PROFESSIONAL CLEANERS FOR FINAL CLEANING. CLEAN EACH SURFACE OR UNIT TO CONDITION EXPECTED IN AN AVERAGE COMMERCIAL BUILDING CLEANING AND MAINTENANCE PROGRAM. COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. USE CLEANING PRODUCTS THAT COMPLY WITH GREEN SEAL'S GS-37, OR IF GS-37 IS NOT APPLICABLE, USE PRODUCTS THAT COMPLY WITH THE CALIFORNIA CODE OF REGULATIONS MAXIMUM ALLOWABLE VOC LEVELS.
3. CLEAN EXPOSED EXTERIOR AND INTERIOR HARD-SURFACED FINISHES TO A DIRT-FREE CONDITION, FREE OF STAINS, FILMS, AND SIMILAR FOREIGN SUBSTANCES. AVOID DISTURBING NATURAL WEATHERING OF EXTERIOR SURFACES. RESTORE REFLECTIVE SURFACES TO THEIR ORIGINAL CONDITION.
4. VACUUM CARPET AND SIMILAR SOFT SURFACES, REMOVING DEBRIS AND EXCESS NAP; CLEAN ACCORDING TO MANUFACTURER'S RECOMMENDATIONS IF VISIBLE SOIL OR STAINS REMAIN.
5. CLEAN TRANSPARENT MATERIALS, INCLUDING MIRRORS AND GLASS IN DOORS AND WINDOWS. REMOVE GLAZING COMPOUNDS AND OTHER NOTICEABLE, VISION-OBSCURING MATERIALS. POLISH MIRRORS AND GLASS, TAKING CARE NOT TO SCRATCH SURFACES.
6. CLEAN PLUMBING FIXTURES TO A SANITARY CONDITION, FREE OF STAINS, INCLUDING STAINS RESULTING FROM WATER EXPOSURE.

OPERATIONS AND MAINTENANCE DATA:

- A. SUBMIT EACH MANUAL IN FINAL FORM PRIOR TO REQUESTING INSPECTION FOR SUBSTANTIAL COMPLETION AND AT LEAST 10 DAYS BEFORE COMMENCING DEMONSTRATION AND TRAINING.
- B. CORRECT OR REVISE EACH MANUAL TO COMPLY WITH ARCHITECT'S **AND COMMISSIONING AUTHORITY'S** COMMENTS. SUBMIT COPIES OF EACH CORRECTED MANUAL WITHIN 10 DAYS OF RECEIPT OF ARCHITECT'S **AND COMMISSIONING AUTHORITY'S** COMMENTS AND PRIOR TO COMMENCING DEMONSTRATION AND TRAINING.
- C. SUBMIT ON DIGITAL MEDIA ACCEPTABLE TO ARCHITECT BY UPLOADING TO WEB-BASED PROJECT SOFTWARE SITE OR BY EMAIL TO ARCHITECT, IF WEB-BASED SOFTWARE IS NOT UTILIZED. ENABLE REVIEWER COMMENTS ON DRAFT SUBMITTALS.
 1. ELECTRONIC FILES: USE ELECTRONIC FILES PREPARED BY MANUFACTURER WHERE AVAILABLE. WHERE SCANNING OF PAPER DOCUMENTS IS REQUIRED, CONFIGURE SCANNED FILE FOR MINIMUM READABLE FILE SIZE.
 2. BOOKMARK INDIVIDUAL DOCUMENTS BASED ON FILE NAMES. NAME DOCUMENT FILES TO CORRESPOND TO SYSTEM, SUBSYSTEM, AND EQUIPMENT NAMES USED IN MANUAL DIRECTORY AND TABLE OF CONTENTS. GROUP DOCUMENTS FOR EACH SYSTEM AND SUBSYSTEM INTO INDIVIDUAL COMPOSITE BOOKMARKED FILES, THEN CREATE COMPOSITE MANUAL, SO THAT RESULTING BOOKMARKS REFLECT THE SYSTEM, SUBSYSTEM, AND EQUIPMENT NAMES IN A READILY NAVEGATED FILE TREE. CONFIGURE ELECTRONIC MANUAL TO DISPLAY BOOKMARK PANEL ON OPENING FILE.
- D. ORGANIZATION OF MANUALS: UNLESS OTHERWISE INDICATED, ORGANIZE EACH MANUAL INTO A SEPARATE SECTION FOR EACH SYSTEM AND SUBSYSTEM, AND A SEPARATE SECTION FOR EACH PIECE OF EQUIPMENT NOT PART OF A SYSTEM. PROVIDE A TITLE PAGE AND TABLE OF CONTENTS.
 1. TITLE PAGE SHALL INCLUDE:
 - a. SUBJECT MATTER INCLUDED IN MANUAL.
 - b. DATE OF SUBMITTAL.
 - c. NAME AND CONTACT INFORMATION FOR CONTRACTOR AND CONSTRUCTION MANAGER WHEN APPLICABLE.
 - d. NAME AND CONTACT INFORMATION FOR COMMISSIONING AUTHORITY.
 2. EMERGENCY MANUAL: ASSEMBLE A COMPLETE SET OF EMERGENCY INFORMATION INDICATING PROCEDURES FOR USE BY EMERGENCY PERSONNEL AND BY OWNER'S OPERATING PERSONNEL FOR TYPES OF EMERGENCIES INDICATED.
 3. SYSTEMS AND EQUIPMENT OPERATION MANUAL: ASSEMBLE A COMPLETE SET OF DATA INDICATING OPERATION OF EACH SYSTEM, SUBSYSTEM, AND PIECE OF EQUIPMENT NOT PART OF A SYSTEM. INCLUDE INFORMATION REQUIRED FOR DAILY OPERATION AND MANAGEMENT, OPERATING STANDARDS, AND ROUTINE AND SPECIAL OPERATING PROCEDURES.
 4. SYSTEMS AND EQUIPMENT MAINTENANCE MANUALS: ASSEMBLE A COMPLETE SET OF DATA INDICATING MAINTENANCE OF EACH SYSTEM, SUBSYSTEM, AND PIECE OF EQUIPMENT NOT PART OF A SYSTEM. INCLUDE MANUFACTURERS' MAINTENANCE DOCUMENTATION, PREVENTIVE MAINTENANCE PROCEDURES AND FREQUENCY, REPAIR PROCEDURES, WIRING AND SYSTEMS DIAGRAMS, LISTS OF SPARE PARTS, AND WARRANTY INFORMATION.
 5. PRODUCT MAINTENANCE MANUAL: ASSEMBLE A COMPLETE SET OF MAINTENANCE DATA INDICATING CARE AND MAINTENANCE OF EACH PRODUCT, MATERIAL, AND FINISH INCORPORATED INTO THE WORK.

PROJECT RECORD DOCUMENTS:

- A. RECORD PRINTS: MAINTAIN ONE SET OF MARKED-UP PAPER COPIES OF THE CONTRACT DRAWINGS AND SHOP DRAWINGS, INCORPORATING NEW AND REVISED DRAWINGS AS MODIFICATIONS ARE ISSUED.
- B. MAINTAIN ONE COPY OF EACH SUBMITTAL DURING THE CONSTRUCTION PERIOD FOR PROJECT RECORD DOCUMENT PURPOSES. POST CHANGES AND REVISIONS TO PROJECT RECORD DOCUMENTS AS THEY OCCUR. DO NOT WAIT UNTIL END OF PROJECT.
- C. RECORD DIGITAL DATA FILES: IMMEDIATELY BEFORE INSPECTION FOR CERTIFICATE OF SUBSTANTIAL COMPLETION, REVIEW MARKED-UP RECORD DOCUMENTS WITH ARCHITECT, CONTRACTOR, WHEN AUTHORIZED, PREPARE A FULL SET OF CORRECTED DIGITAL DATA FILES OF THE CONTRACT DOCUMENTS. SEE OPERATIONS AND MAINTENANCE DATA SECTION ABOVE FOR SUBMISSION FORMAT REQUIREMENTS.

DEMONSTRATION AND TRAINING:

- A. FACILITATOR: CONTRACTOR OR CONSTRUCTION MANAGER SHALL PREPARE INSTRUCTION PROGRAM AND TRAINING MODULES, TO COORDINATE INSTRUCTORS, AND TO COORDINATE BETWEEN CONTRACTOR AND OWNER FOR NUMBER OF PARTICIPANTS, INSTRUCTION TIMES, AND LOCATION.
- B. ENGAGE QUALIFIED INSTRUCTORS TO INSTRUCT OWNER'S PERSONNEL TO ADJUST, OPERATE, AND MAINTAIN SYSTEMS, SUBSYSTEMS, AND EQUIPMENT NOT PART OF A SYSTEM.
- C. PROVIDE INSTRUCTION AT MUTUALLY AGREED-ON TIMES, FOR EQUIPMENT THAT REQUIRES SEASONAL OPERATION, PROVIDE SIMILAR INSTRUCTION AT START OF EACH SEASON.
- D. TRAINING LOCATION AND REFERENCE MATERIAL: CONDUCT TRAINING ON-SITE IN THE COMPLETED AND FULLY OPERATIONAL FACILITY USING THE ACTUAL EQUIPMENT IN-PLACE. CONDUCT TRAINING USING FINAL OPERATION AND MAINTENANCE DATA SUBMITTALS.
- E. EVALUATION: AT CONCLUSION OF EACH TRAINING MODULE, ASSESS AND DOCUMENT EACH PARTICIPANT'S MASTERY OF MODULE BY USE A **DEMONSTRATION** PERFORMANCE-BASED TEST.
- F. COLLECT USED AND LEFTOVER EDUCATIONAL MATERIALS AND **GIVE TO OWNER**. REMOVE INSTRUCTIONAL EQUIPMENT. RESTORE SYSTEMS AND EQUIPMENT TO CONDITION EXISTING BEFORE INITIAL TRAINING USE.



Engineering & Design

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REV	DATE	DESCRIPTION
3	03/13/26	BID PACK 2 - BIDS & PERMITS

LANSING SCHOOL DISTRICT

BID PACK 2
EBERSOLE CENTER FOOD SERVICE - EQUIPMENT REPLACEMENT & RENOVATIONS SO-1853
 3400 2ND STREET
 WAYLAND, MI 49348

MI ARCHITECTURE
 FIRM LICENSE # NLP000605



Engineering & Design
 Colliers Engineering & Design, Architecture, Landscape Architecture, Surveying, CT P.C.

PROJECT MANAGER:	DISCIPLINE LEAD:
C NORRIS	B HUYLER
DESIGNER:	REVIEWER:
E POST	
DATE ISSUED:	PROJECT NUMBER:
03/13/26	26000750A
SHEET NAME:	

GENERAL REQUIREMENTS

DRAWING NUMBER:

A002

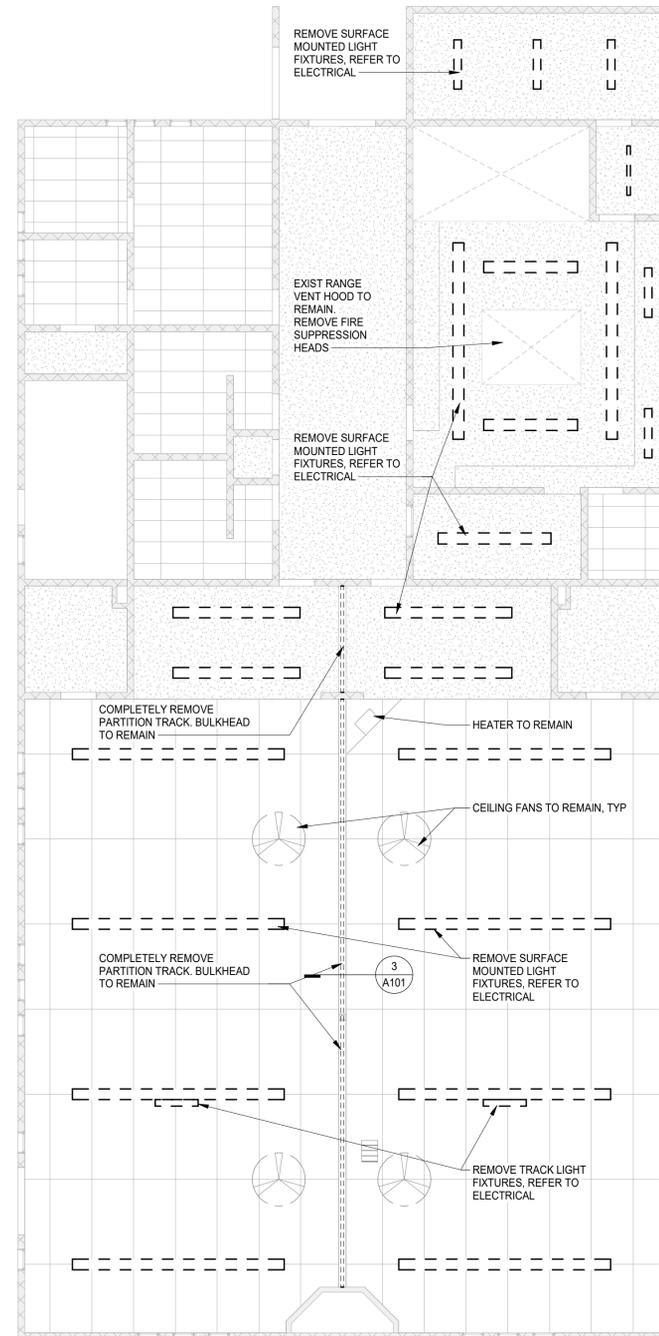
NOTE: DO NOT SCALE DRAWING FOR CONSTRUCTION.

DEMO PLAN KEYNOTES #

1A SAWCUT EXISTING MOSAIC CERAMIC TILE AND SLAB AS REQD FOR MEP. COORDINATE LOCATIONS WITH MEP & FS DRAWINGS.

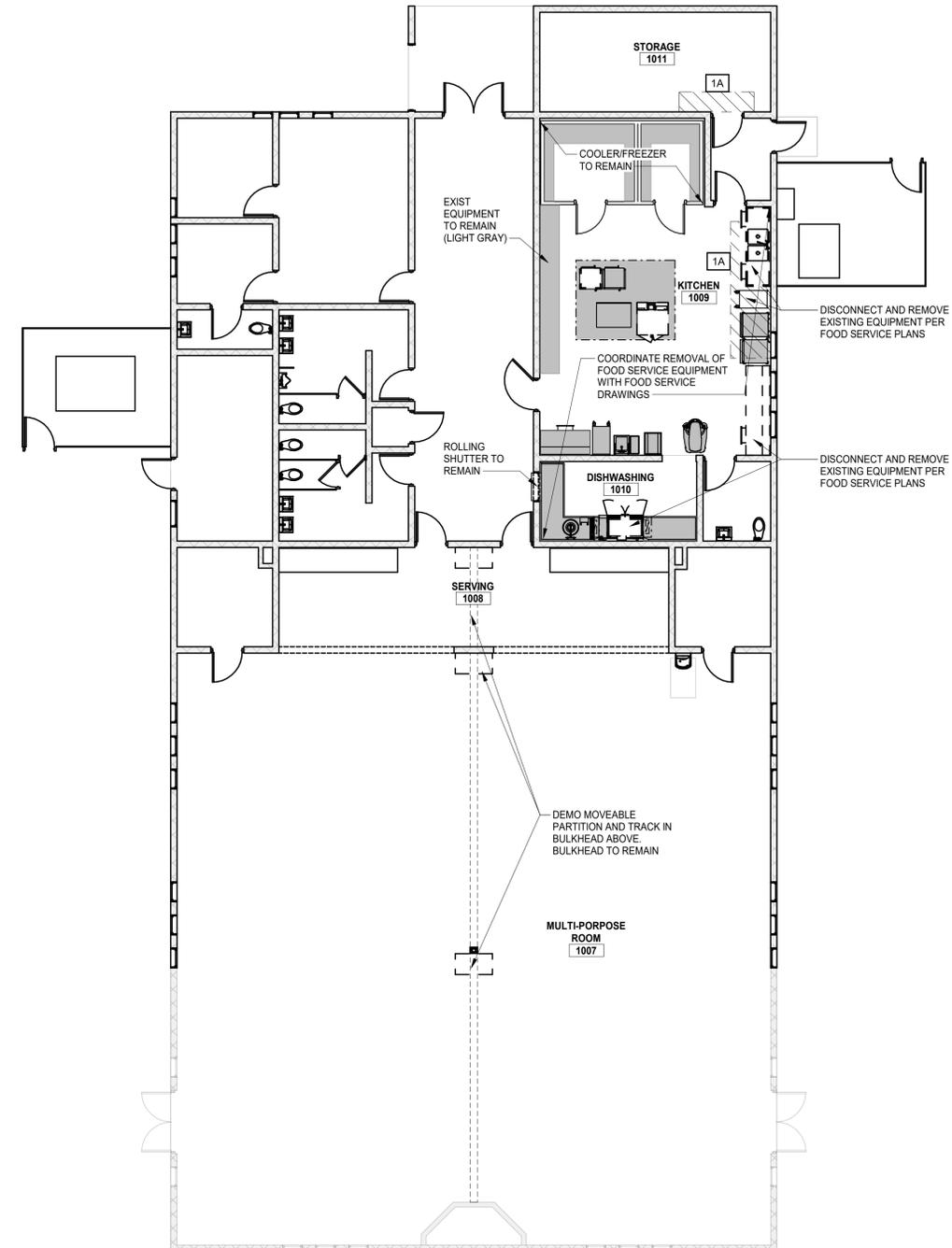
GENERAL DEMOLITION NOTES

- A. CONTRACTOR SHALL COORDINATE REMOVAL OF FLOORS, WALLS AND CEILINGS WITH MECHANICAL, ELECTRICAL AND PLUMBING TRADES. ALL POWER, MECHANICAL AND PLUMBING LINES SHALL BE REMOVED BACK TO NEAREST MAIN BRANCH LINE OR PANEL.
- B. CONTRACTOR SHALL PROTECT EXISTING CONSTRUCTION AND EQUIPMENT NOTED TO REMAIN FROM DAMAGE RESULTING FROM DEMOLITION ACTIVITIES. ANY DAMAGE TO EXISTING PROPERTY RESULTING FROM DEMOLITION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- C. CONTRACTOR SHALL PROTECT ADJACENT SURFACES IN PREPARATION OF SAW CUTTING REQUIRED FOR DEMOLITION ACTIVITIES.

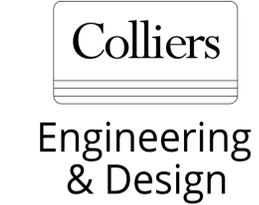


2 FIRST FLOOR REFLECTED CEILING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

EXIST CEILING TO REMAIN, TYP



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



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3	03/13/26	BID PACK 2 - BIDS & PERMITS

LANSING SCHOOL DISTRICT

BID PACK 2
EBERSOLE CENTER FOOD SERVICE - EQUIPMENT REPLACEMENT & RENOVATIONS SO-1853
3400 2ND STREET
WAYLAND, MI 49348

MI ARCHITECTURE
FIRM LICENSE # NLP000605

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

PROJECT MANAGER: C NORRIS	DISCIPLINE LEAD: B HUYLER
DESIGNER: E POST	REVIEWER:
DATE ISSUED: 03/13/26	PROJECT NUMBER: 26000750A
SHEET NAME:	

FIRST FLOOR DEMOLITION PLAN

DRAWING NUMBER:
AD101



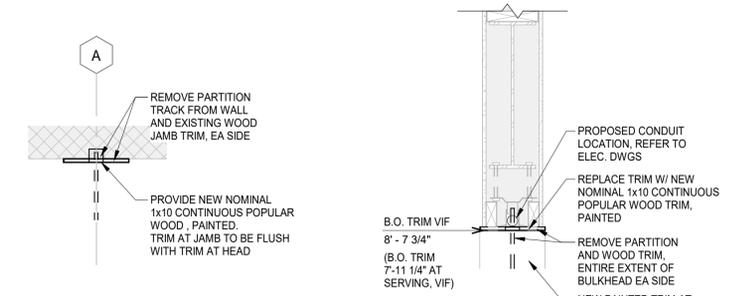
NOTE: DO NOT SCALE DRAWING FOR CONSTRUCTION.

CEILING PLAN KEYNOTES (#)

- C1 EXISTING CEILING TO REMAIN. PAINT TOUCH UP AS REQUIRED FOR NEW LIGHT INSTALLATION.
- C2 EXISTING TECTUM CEILING TO REMAIN. PAINT TOUCH UP AS REQUIRED FOR NEW LIGHT INSTALLATION.
- C3 EXISTING PLASTERED CEILING TO REMAIN. PATCH AND REPAIR WATER DAMAGE AREAS AND PAINT ENTIRE CEILING.
- C4 EXISTING PLASTERED CEILING TO REMAIN. PATCH AS REQUIRED AND PAINT TOUCH UP AS REQUIRED FOR NEW LIGHT INSTALLATION.

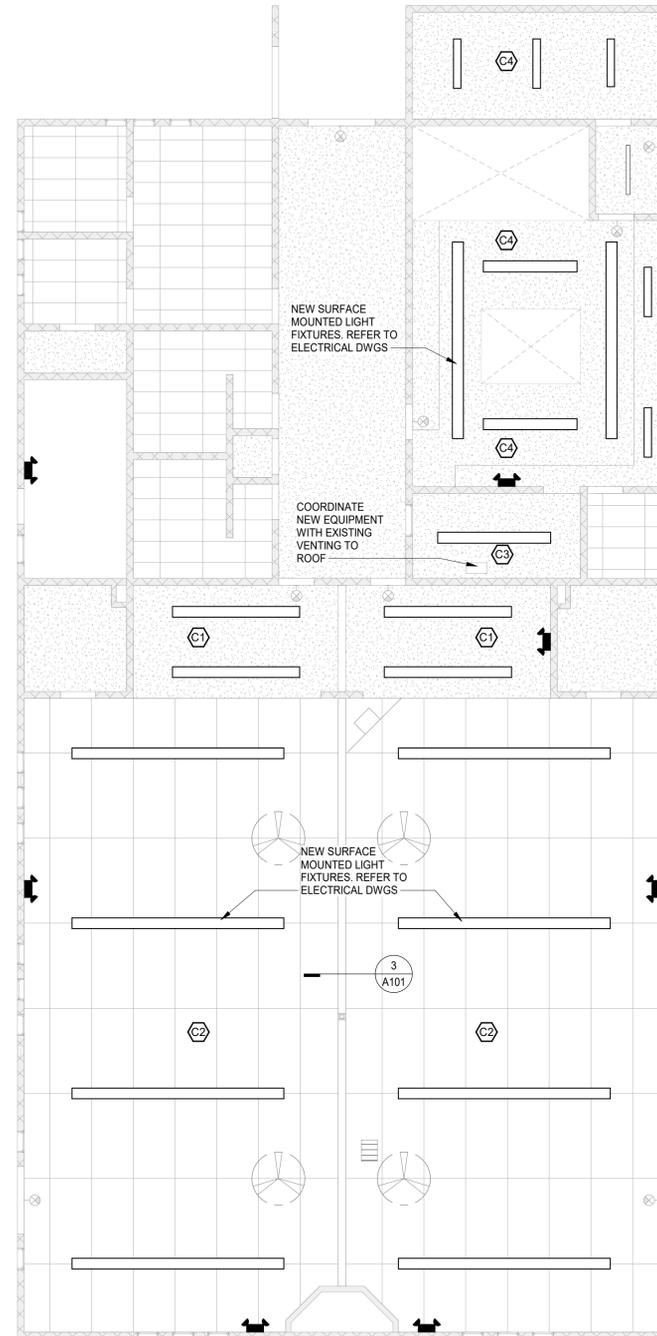
FLOOR PLAN KEYNOTES (#)

- A1 EXISTING VCT FLOORING TO REMAIN. NO WORK ANTICIPATED.
- A2 BULKHEAD AT FOLDING PARTITIONS TO BE PAINTED BOTH SIDES IN ITS ENTIRETY. ALL OTHER WALLS TO REMAIN AS IS.
- A3 EXISTING MOSAIC FLOOR TILING TO REMAIN. PATCH AS REQUIRED FOR NEW POWER, DRAINS AND WATER LINES.
- A4 PROVIDE PAINT TOUCH UP WHERE EQUIPMENT IS BEING REMOVED.
- A5 EXISTING EXPOSED CONCRETE FLOORING TO REMAIN.

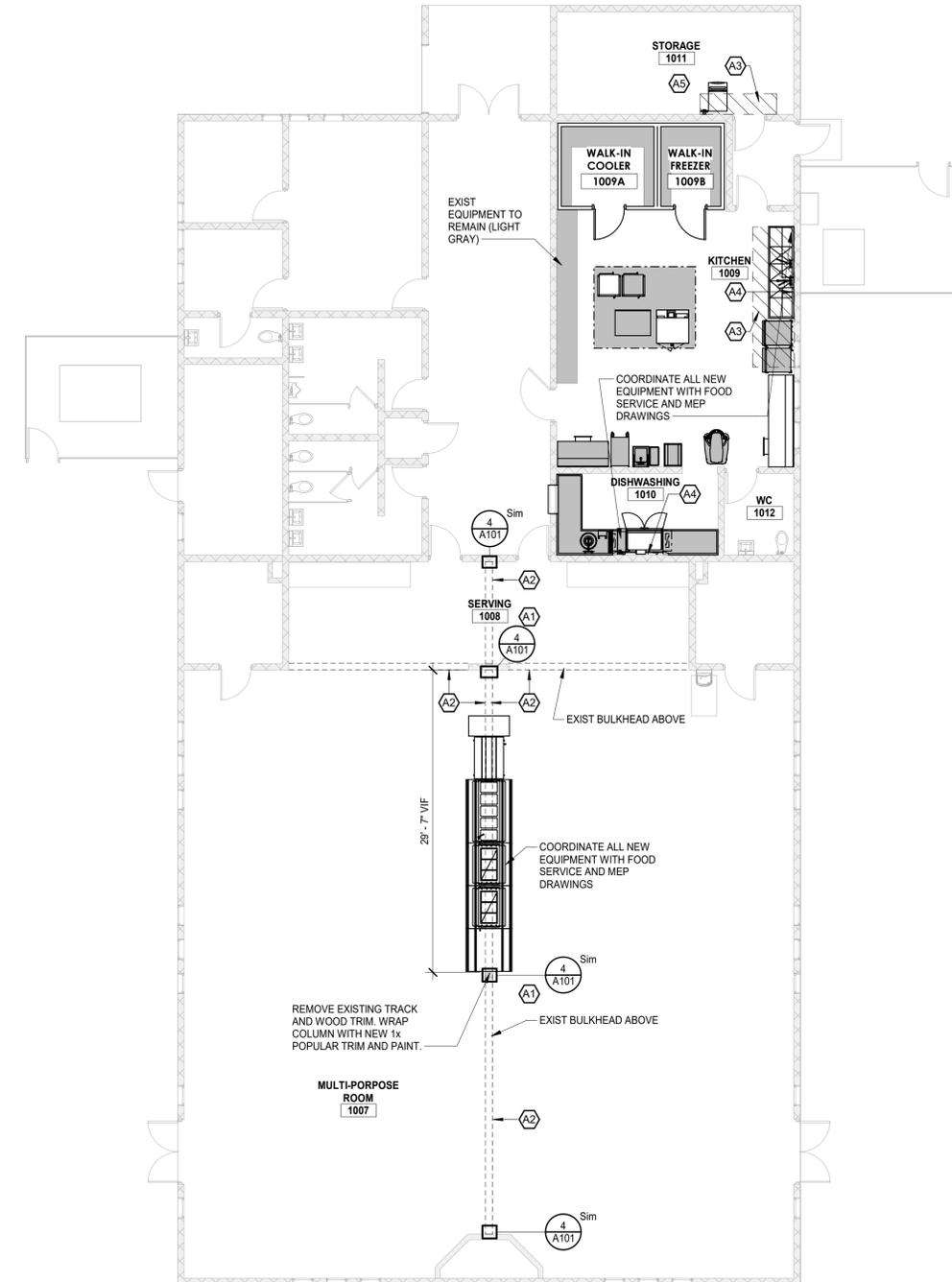


4 PARTITION JAMB DTL
SCALE : 1" = 1'-0"

3 PARTITION HEAD DTL
SCALE : 1" = 1'-0"



2 FIRST FLOOR REFLECTED CEILING PLAN
SCALE : 1/8" = 1'-0"



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

CEILING LEGEND

NOTE: SEE OTHER DISCIPLINE DRAWINGS (E.G. MECHANICAL PLUMBING AND ELECTRICAL DRAWINGS) FOR ASSOCIATED SYSTEMS AND INFORMATION ABOUT SYMBOLS NOT INDICATED IN THIS LEGEND.

- 4' x 8' TECTUM CEILING
- GYPSUM BOARD CEILING/SOFFIT
- OPEN TO DECK

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LANSING SCHOOL DISTRICT

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PROJECT MANAGER: C NORRIS	DISCIPLINE LEAD: B HUYLER
DESIGNER: E POST	REVIEWER:
DATE ISSUED: 03/13/26	PROJECT NUMBER: 26000750A
SHEET NAME:	

FIRST FLOOR AND CEILING PLANS

DRAWING NUMBER:
A101





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 Project # 2026021

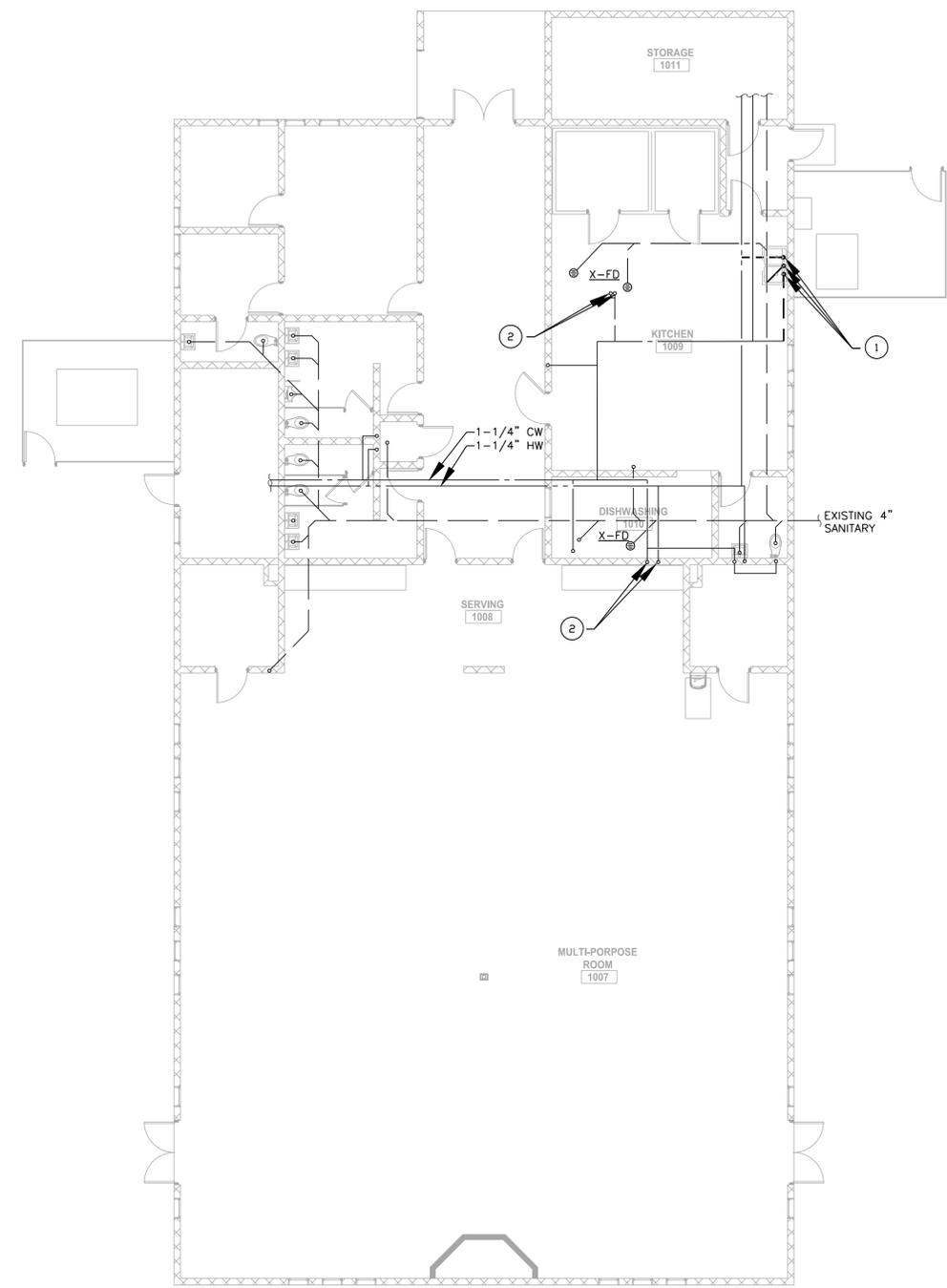
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REV	DATE	DESCRIPTION
1	03/16/26	BID PACK 2 - BIDS & PERMITS

DEMO KEY NOTES

- ① EXISTING UNDERGROUND PIPING TO BE REMOVED AND DISPOSED OF BACK TO FINISHED FLOOR. CAP AND CUT AT FINISHED FLOOR.
- ② PLUMBING FIXTURE TO BE REPLACED ONE-FOR-ONE. DISCONNECT FROM EXISTING FIXTURE AND PREPARE CONNECTIONS TO NEW FIXTURE



FLOOR PLAN - PLUMBING DEMOLITION
 SCALE: 1/8" = 1'-0"

LANSING SCHOOL DISTRICT

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 Architects, Landscape Architects,
 Surveying, CT P.C.

PROJECT MANAGER: L WOOD	DISCIPLINE LEAD: L WOOD
DESIGNER: J FEISTRITZER	REVIEWER: L WOOD
DATE ISSUED: 03/16/2026	PROJECT NUMBER: 26000750A

SHEET NAME:
FIRST FLOOR PLAN - DEMOLITION

DRAWING NUMBER:
PD101

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NOTE: DO NOT SCALE DRAWING FOR CONSTRUCTION.



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 Project # 2026021

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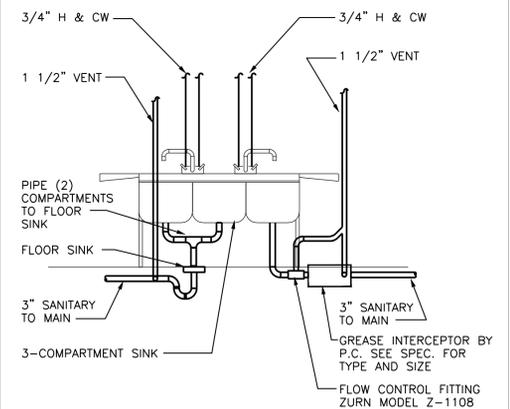
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ABV	ABOVE	IE	INVERT ELEVATION
AFF	ABOVE FINISH FLOOR	L	LAVATORY
AFG	ABOVE FINISH GRADE	MECH	MECHANICAL
ARCH	ARCHITECT	MAX	MAXIMUM
BFP	BACKFLOW PREVENTER	MIN	MINIMUM
BLDG	BUILDING	MTD	MOUNTED
BTM	BOTTOM	NIC	NOT IN CONTRACT
CLG	CEILING	NTS	NOT TO SCALE
CO	CLEAN OUT	OC	ON CENTER
CONT	CONTINUOUS	PRV	PRESSURE REDUCING VALVE
CW	COLD WATER	PVC	POLYVINYL CHLORIDE
DF	DRINKING FOUNTAIN	RD	ROOF DRAIN
DN	DOWN	S	SINK
DS	DOWN SPOUT	SAN	SANITARY
DWG	DRAWING	SH	SHOWER
EA	EACH	SP	SUMP PUMP
ELEC	ELECTRIC(AL)	SS	STAINLESS STEEL
ELEV	ELEVATION	STD	STANDARD
EQUIP	EQUIPMENT	STM	STORM
EW	EYE WASH	STRUC	STRUCTURE, STRUCTURAL
EWV	ELECTRIC WATER COOLER	T&P	TEMPERATURE & PRESSURE
EMH	ELECTRIC WATER HEATER	TUB	BATH TUB
FCO	FLOOR CLEAN OUT	TYP	TYPICAL
FD	FLOOR DRAIN	UR	URINAL
FS	FLOOR SINK	V	VENT
FT	FOOT, FEET	VTR	VENT THRU ROOF
GAL	GALLON(S)	W/	WITH
GI	GREASE INTERCEPTOR	W/O	WITHOUT
GWH	GAS WATER HEATER	WB	WASHER BOX
HB	HOSE BIBB	WC	WATER CLEAN OUT
HD	HEAD	WCO	WALL CLEAN OUT
HW	HOT WATER	WH	WALL HYDRANT
HWR	HOT WATER RETURN	WP	WATERPROOF(ING)

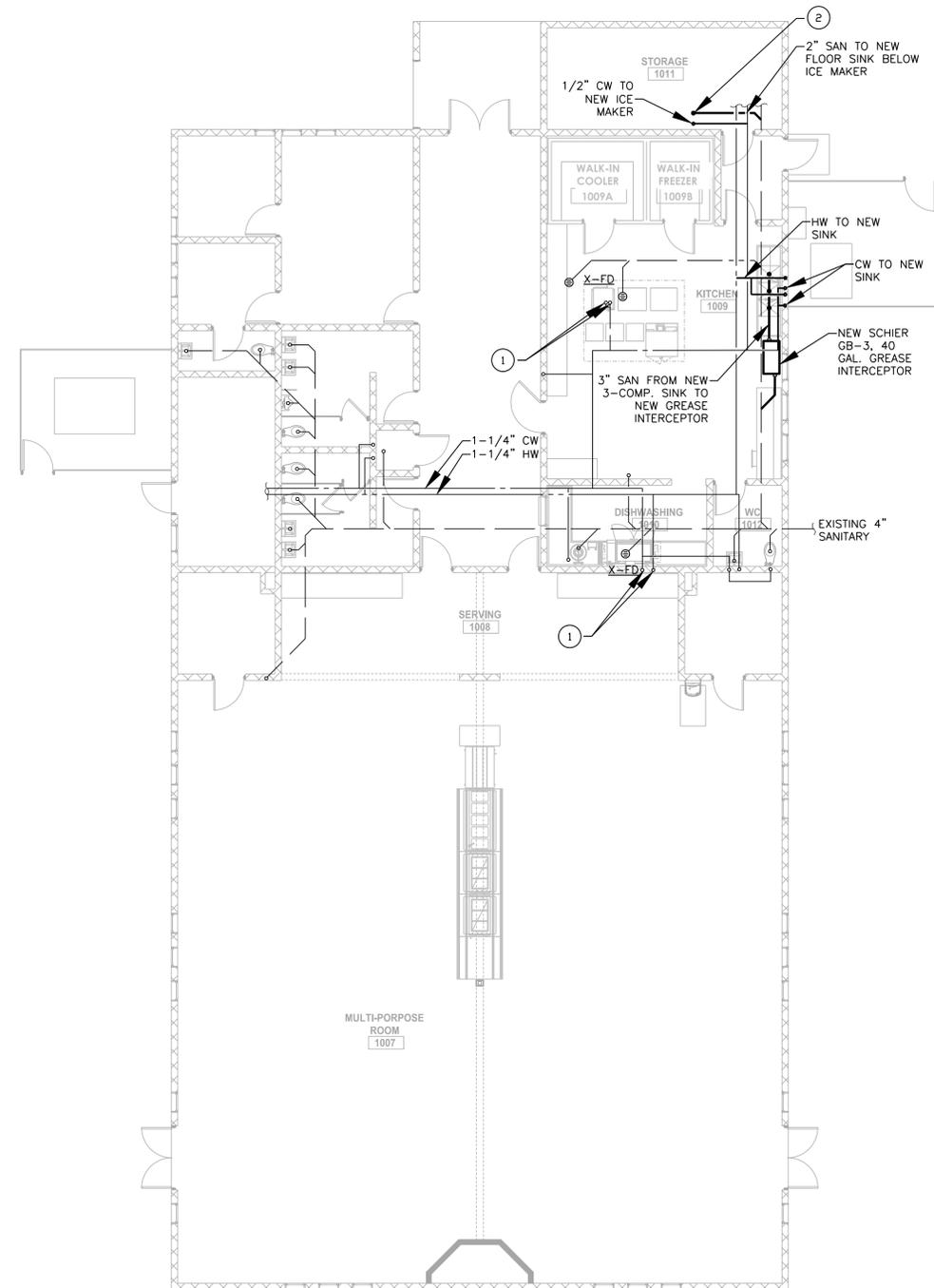
PLUMBING ABBREVIATIONS

1. IN CONCEALED LOCATIONS WHERE PIPING IS INSTALLED THROUGH STUDS, JOISTS, OR RAFTERS, PROVIDE A 1/16" (16 GAUGE) THICK STEEL PROTECTIVE SHIELD TO PROTECT THE PIPE FROM PUNCTURES.
2. PROVIDE WATER HAMMER ARRESTERS WHERE QUICK CLOSING VALVES ARE USED, OR AS REQUIRED. ARRESTERS SHALL CONFORM TO ASSE 1010 AND ACCESS SHALL BE PROVIDED TO EACH ARRESTER.
3. ALL PLUMBING VENTS THROUGH THE ROOF TO BE INSTALLED A MINIMUM OF 10'-0" AWAY FROM ALL FRESH AIR INTAKE OPENINGS.
4. DO NOT INSTALL ANY PIPING AROUND ELECTRICAL EQUIPMENT TO INSURE ALL CODE REQUIRED CLEARANCES. SEE ELECTRICAL PLANS FOR THESE LOCATIONS.
5. REFER TO MINIMUM SIZE CONNECTION SCHEDULE FOR ALL PLUMBING FIXTURES BRANCH PIPING SIZES.
6. PROVIDE IDENTIFICATION ON ALL SHUT-OFF VALVES SERVING WALL HYDRANTS AND HOSE BIBBS. IDENTIFY ALL OTHER VALVES THAT ARE NOT ADJACENT TO THE FIXTURE THEY SERVE.
7. PROVIDE A TEMPERING VALVE AT ALL ACCESSIBLE HANDWASHING FIXTURES THAT CONFORMS TO ASSE 1070.
9. ALL DOMESTIC PIPING TO BE TYPE 'L' COPPER, INSULATED WITH FOAM PER ENERGY CODE.
10. ALL SANITARY PIPING TO BE SCHEDULE 40 PVC.
11. VENTING SHALL BE INSTALLED IN ACCORDANCE WITH CODE.
12. ALL CONDENSATE PIPING TO BE 3/4" UNLESS OTHERWISE NOTED.

PLUMBING NOTES



3-COMPARTMENT SINK PIPING DETAIL
 NOT TO SCALE



GENERAL NOTES

1. FOOD SERVICE EQUIPMENT AND FIXTURES BY FOOD SERVICE CONSULTANT. REFER TO FOOD SERVICE DRAWINGS FOR EQUIPMENT SCHEDULE AND SPECIFICATIONS. PLUMBING CONTRACTOR TO COORDINATE FINAL CONNECTION LOCATIONS AND REQUIREMENTS.

PLAN KEY NOTES

- 1 WATER AND SANITARY CONNECTIONS TO NEW FIXTURE.
- 2 PROVIDE AIR GAP BETWEEN FLOOR SINK AND SANITARY DISCHARGE OF PLUMBING FIXTURE.

REV	DATE	DESCRIPTION
1	03/16/26	BID PACK 2 - BIDS & PERMITS

LANSING SCHOOL DISTRICT

BID PACK 2
EBERSOLE CENTER FOOD SERVICE - EQUIPMENT REPLACEMENT & RENOVATIONS SO-1853
 3400 2ND STREET
 WAYLAND, MI 49348

MI ARCHITECTURE
 FIRM LICENSE # NL P000605



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L WOOD	L WOOD
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03/16/2026	26000750A
SHEET NAME:	

FIRST FLOOR PLAN - PLUMBING

DRAWING NUMBER:
P101

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

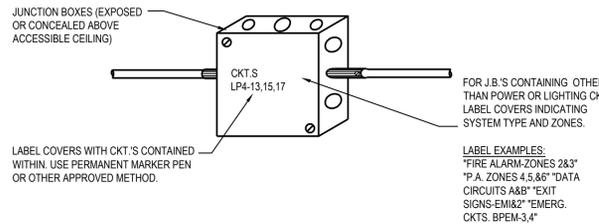
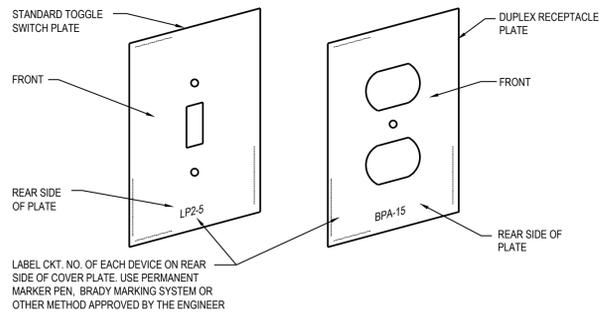
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ELECTRICAL SYMBOL LEGEND		
SYMBOL	DESCRIPTION	MTG. HT. TO Ⓞ
S 3	SINGLE POLE OR 3-WAY SWITCH-SPECIFICATION GRADE	46"
S 4	FOUR WAY SWITCH-SPEC. GRADE	46"
S K	KEY OPERATED SWITCH-SPEC. GRADE	46"
S D	DIMMER SWITCH	46"
S IR	IR SWITCH	46"
S IRD	IR SWITCH 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	E.V. 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"
△	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	---
J	JUNCTION BOX - HUBBELL NSAVE2M WITH RECEPTACLE KIT HUBBELL NSOKP PROVIDE CONNECTOR PLATE FOR AV	AS NOTED
J	JUNCTION BOX 4" SQ. BOX W/ 2 GANG RAISED COVER 1-1/4" C. UP WALL TO CLG. SPACE UNLESS OTHERWISE NOTED POWER POLE - SEE DRAWING FOR POWER - POWER/DATA SPECIFICATIONS	AS NOTED
M	ELECTRIC UTILITY METER	---
F	FUSED DISCONNECT SWITCH- FDS-HEAVY DUTY	46"
F	NON-FUSED DISCONNECT SWITCH- NFDS-HEAVY DUTY	46"
M	SW. AND PLUG FUSE HOLDER- BUSSMANN "SSU" & FUSESTAT FUSE	AT EQUIP.
M	MAGNETIC MOTOR STARTER-MS	46"
M	COMBINATION MAG. STARTER/ FUSED DISC. SWITCH - CS/FDS	46"
M	COMBINATION MAG. STARTER/NON-FUSED DISC. SWITCH - CS/NFDS	46"
VFD	VARIABLE FREQUENCY DRIVE	---
M	SINGLE PHASE ELECTRIC MOTOR	---
M	THREE PHASE ELECTRIC MOTOR	---
M	SURFACE OR FLUSH MTD. BRANCH CIRCUIT PANELBOARD	72" TO TOP
T	TRANSFORMER	---
M	PUSH BUTTON	46"
T	THERMOSTAT. E.C TO ROUGH-IN SINGLE GANG BOX AND 1/2" C. TO ACCESSIBLE CEILING SPACE.	46"
T	HUMIDISTAT. E.C TO ROUGH-IN SINGLE GANG BOX AND 1/2" C. TO ACCESSIBLE CEILING SPACE.	46"
⊗	RECESSED DOWNLIGHT LUMINAIRE	---
⊗	RECESSED WALLWASH LUMINAIRE	---
⊙	SURFACE LUMINAIRE	---
⊙	PENDANT LUMINAIRE	---
⊙	WALL MOUNTED LUMINAIRE	---
⊙	SITE LIGHTING LUMINAIRE	---
⊙	NIGHT LIGHT	---
⊙	STRIP LUMINAIRE	---
⊙	LED ACCENT/UNDER CABINET LUMINAIRE	---
⊙	RECESSED LUMINAIRE 2x4' OR 2x2'	---
⊙	SURFACE LUMINAIRE 2x4' OR 2x2'	---
⊙	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	---

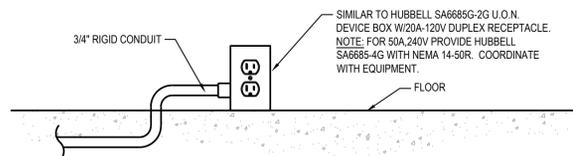
SYSTEMS SYMBOL LEGEND		
SYMBOL	DESCRIPTION	MTG. HT. TO Ⓞ
F	FIRE ALARM PULL STATION	46"
WP	FIRE ALARM HORN/STROBE LIGHT (WP-DENOTES WEATHER PROOF)	80"
Ⓞ	AREA SMOKE DETECTOR-PHOTOELECTRIC	---
Ⓞ	VISUAL ONLY ALARM	80"
Ⓞ	AUDIO ONLY ALARM	---
Ⓞ	CEILING SPEAKER	---
Ⓞ	SPEAKER/STROBE LIGHT	---
CO	SMOKE/HORN BASE CO-DENOTES COMBO CARBON MONOXIDE/SMOKE	---
DH	MAGNETIC DOOR HOLD OPEN	---
CO	CARBON MONOXIDE SENSOR. E.C TO ROUGH-IN SINGLE GANG BOX AND 1/2" C. TO ACCESSIBLE CEILING SPACE.	---
D	DUCT SMOKE DETECTOR	---
H	HEAT DETECTOR	---
TS	O.S.&Y TAMPER SWITCH	---
FS	WATER FLOW SWITCH	---
RT	REMOTE ALARM KEY TEST SWITCH	46"
CR	FIRE ALARM CONTROL RELAY	---
BD	BEAM DETECTOR	---
FSD	FIRE/SMOKE DAMPER	---
FACP	FIRE ALARM CONTROL PANEL	---
FAPA	FIRE ALARM ANNUNCIATOR PANEL	---
Ⓞ	CEILING SPEAKER	---
Ⓞ	CARD READER	46"
Ⓞ	SECURITY DOOR CONTACT	AT DOOR HEAD
Ⓞ	SECURITY INTERCOM	46"
Ⓞ	SECURITY CAMERA - "W" DENOTES WALL MOUNTED CHEVRON INDICATES AIM LINE	TYPICALLY CLG MOUNTED
Ⓞ	SECURITY DOOR REQUEST TO EXIT	AT DOOR HEAD

F.A. NOTES:
1. MATCH EXISTING SYSTEM.



ELECTRICAL IDENTIFICATION

A-1
E100
N.T.S.



SURFACE MOUNT KITCHEN FLOOR BOX DETAIL

A-2
E100
N.T.S.

LIGHT FIXTURE LEGEND							
FIXTURE TYPE	DESCRIPTION	MANU.	CAT A LOG PART #	VOLTAGE	LAMPS	Wattage	REMARKS
A	1x4 LED SURFACE MOUNT	ACUITY	CPANL 2X4 AL06 35 SWW7 M2	120	LED 3000k	26/4555	1,2
B	4" INDUSTRIAL STRIP LED	ACUITY	CSS L48 AL03 UVOLT SWW 3 80CRI	120	LED 3000k	22/2937	1,2
C	REPLACEMENT LIGHT FOR HOOK/KILLARK JELLY JAR/VAPOR TIGHT	VTR-1		120	LED 3000K		1,2
E1	EXIT LIGHT BATTERY BACK UP	LITHONIA	LHQM LED	120	LED	1.5W	1,2
EM1	EMERGENCY LIGHT BATTERY BACK UP	LITHONIA	ELM4L	120	LED	2.5W	1,2

GENERAL LIGHT FIXTURE SCHEDULE NOTES: OR OWNER APPROVED EQUALS
1. ALL FIXTURE TO BE DAMP LOCATION RATED
2. MANUFACTURES ALLOWED ARE COOPER AND COLUMBIA



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ELECTRICAL SPECIFICATIONS

26-0500 GENERAL PROVISIONS

- FURNISH AND INSTALL FIRST-CROSS 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 RIGID (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

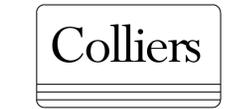
- INSTALL COMPLETE GROUNDING SYSTEM IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE.
- INSTALL BONDING WIRE IN NONMETALLIC AND FLEXIBLE CONDUIT CONNECTED AT SOURCE END TO PANELBOARD EQUIPMENT GROUND BAR AND AT LOAD END TO ENCLOSURE.
- EXTEND COMPLETE BUILDING GROUNDING SYSTEM IN ACCORDANCE WITH THE NATIONAL 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, .6 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 AND LEVITON.



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REV	DATE	DESCRIPTION
1	03/16/26	BID PACK 2 - BIDS & PERMITS

LANSING SCHOOL DISTRICT

**BID PACK 2
EBERSOLE CENTER FOOD SERVICE - EQUIPMENT REPLACEMENT & RENOVATIONS SO-1853**

3400 2ND STREET
WAYLAND, MI 49348

M ARCHITECTURE
FIRM LICENSE # NL P000605



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DESIGNER: REVIEWER:

DATE ISSUED: PROJECT NUMBER:
03/16/2026 26000750A

DETAILS, SYMBOL LEGENDS & SPECIFICATIONS

DRAWING NUMBER:
E100

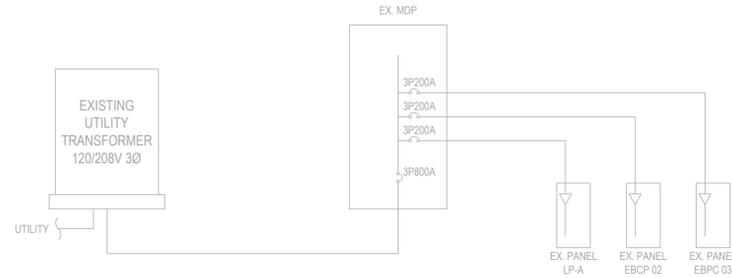
NOTE: DO NOT SCALE DRAWING FOR CONSTRUCTION.

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.

TYPICAL AMPERAGE/CONDUCTOR SIZES FOR ONE-LINE

SERVICE FEEDERS (COPPER)	
60A	4-#4+10G, 1-1/4" C
100A	4-#1+8G, 1-1/2" C
125A	4-#2+8G, 2" C
150A	4-#3+8G, 2" C
200A	4-#4+2, 2-1/2" C
225A	4-#4+2, 2-1/2" C
400A	(2)4-#250kcmil, 2-1/2" C
600A	(2)4-#500kcmil, 3" C
800A	(3)4-#400kcmil, 3-1/2" C
1200A	(4)4-#500kcmil, 3-1/2" C
1400A	(5)4-#500kcmil, 3-1/2" C
1600A	(6)4-#400kcmil, 3" C
2000A	(7)4-#500kcmil, 3-1/2" C
2500A	(9)4-#500kcmil, 3-1/2" C
BRANCH FEEDERS - 3 WIRE (COPPER)	
30A	3-#10+10G, 3/4" C
40A	3-#8+10G, 3/4" C
60A	3-#6+10G, 3/4" C
80A	3-#4+8G, 3/4" C
100A	3-#3+8G, 1" C
125A	3-#1+8G, 1-1/2" C
200A	3-#4/0+8G, 2" C
225A	3-#4/0+8G, 2" C
BRANCH FEEDERS - 4 WIRE (COPPER)	
60A	4-#6+10G, 1" C
100A	4-#3+8G, 1-1/4" C
125A	4-#1+8G, 1-1/2" C
150A	4-#1/0+8G, 1-1/2" C
175A	4-#2/0+8G, 2" C
200A	4-#4/0+8G, 2-1/2" C
250A	4-#250kcmil+8G, 2-1/2" C
400A	4-#500kcmil+8G, 3-1/2" C
600A	(2)4-#350kcmil+10G, 3" C
800A	(2)4-#600kcmil+10G, 4" C
1200A	(4)4-#350kcmil+30G, 3" C

- ONE-LINE DIAGRAM GENERAL NOTES**
- REFER TO WIRE SIZING CHART. COPPER OR ALUMINUM MAY BE UTILIZED AT CONTRACTORS DISCRETION UNLESS OTHERWISE NOTED. COORDINATE ROUTING WITH TRADES ON SITE.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE ALL DISCONNECTS (HEAVY DUTY) AND FUSES UNLESS OTHERWISE NOTED. COORDINATE WITH MECHANICAL EQUIPMENT FOR EXACT FUSE SIZES.
 - ALL ELECTRICAL PANELS ARE EXISTING AND SHALL BE REUSED. ELECTRICAL CONTRACTOR SHALL PROVIDE NEW TYPED PANEL SCHEDULE FOR ALL PANELS UTILIZED FOR THIS PROJECT.



EXISTING PARTIAL 120/208V- 3Ø-4W ONE LINE
NOT TO SCALE

EX A																		
BASED ON SQ. D. NQ OR EQUAL																		
CKT NO.	VOLT AMPS						DESCRIPTION	CKT BRKR	L	CKT BRKR	DESCRIPTION	VOLT AMPS						CKT NO.
	LTG	MTRS	HVAC	KITCH	REC.	OTHER						LTG	MTRS	HVAC	KITCH	REC.	OTHER	
1							EX MECH LITES	20	A	20	EX EF MULTI PURP							2
3							EX KITCHEN LITES	20	B	20	EX MULTI PURP LITES							4
5							EX CORRIDOR LITES	20	C	20	EX MULTI PURP LITES							6
7							EX OFFICE LITES	20	A	20	EX MULTI PURP LITES							8
9							EX VENT	20	B	20	EX MULTI PURP LITES							10
11							EX REC CORRIDOR	20	C	20	EX PHONE REC							12
13							EX MULTI PURP REC	20	A	20	EX CIRCULATE							14
15							EX MULTI PURP REC	20	B	20	EX OFFICE REC							16
17							EX MULTI PURP REC	20	C	20	EX EM LIGHTS							18
19							EX MULTI PURP REC	20	A	20	SPARE							20
21							EX MULTI PURP REC	20	B	20	EX KIT WASH-ER							22
23							EX REF	20	C	20	EX DRYER							24
25							EX UPS	20/2	A	20/2	EX UPS							26
27							\	\	B	\	\							28
29							EX S HEAT TRAP	20	C	20	EX OUTSIDE LITES							30
31							EX N HEAT TRACE	20/2	A	20	EX F-1 FURN							32
33							\	\	B	\	\							34
35							EX PLUG BUS DROP	20	C	20	EX N 7 S VESTI BULE							36
37									A									38
39									B									40
41									C									42
SUBT	0	0	0	0	0	0						0	0	0	0	0	0	0
TOTAL LOAD	0						DIVERSITY							208Y/120				
LTG =	0													3				
MOTORS =	0						125%LRGST +100%											
HVAC =	0						100%							200 A				
KITCH =	0						65%							SURFACE				
*RECEPT =	0						50%>10KVA							MECH RM				
OTHER =	0						100%											
TOTAL DIV. LOAD =	0						0											
LINE AMPS =	0						0											
LINE AMPS X 1.25 =	0						0											

EBCP-03 EX																		
BASED ON SQ. D. I-LINE OR EQUAL																		
CKT NO.	AMPS						DESCRIPTION	CKT BRKR	L	CKT BRKR	DESCRIPTION	AMPS						CKT NO.
	MTRS	HVAC	KITCH	REC.	OTHER	LTG						MTRS	HVAC	KITCH	REC.	OTHER		
1							SPARE	20	A	40/2	HOT FOOD TABLE +							2
3							SPARE	20	B	\	\							4
5			500				EX COOLER LIGHTS	20	C	20	COLD FOOD TABLE +							6
7			1200				EX HEATERS	20	A	20	COLD FOOD TABLE +							8
9							SPARE	20	B	20	MILK COOLER +							10
11							SPARE	20	C	20	SPARE							12
13			4500				EX COOLER	20/3	A	20/3	SPARE							14
15							\	\	B	\	\							16
17							\	\	C	\	\							18
19			5300				EX FREEZER	20/3	A	40/3	EX MARKET FORGE			12000				20
21							\	\	B	\	\							22
23							\	\	C	\	\							24
25			11150				EX SKILLET	50/3	A	40/2	EX STORAGE			11000				26
27							\	\	B	\	\							28
29							\	\	C	40/3	EX MARKET FORGE			12000				30
31							EX SPOTS	20	A	\	\							32
33							EX SPOTS	20	B	\	\							34
35							SPACE		C		SPACE							36
37							SPACE		A		SPACE							38
39							SPACE		B		SPACE							40
41							SPACE		C		SPACE							42
SUBT	0	0	0	0	22850	0	0					0	0	0	44912	0	0	0
TOTAL LOAD	67,562 VA						DIVERSITY							208Y/120				
LTG =	0						125%							3				
MOTORS =	0						0%	125%LRGST +100%										
HVAC =	0						100%							200A				
KITCH =	67,562 VA						65%	43,915 VA						SURFACE				
*RECEPT =	0						0%	50%>10KVA						BASEMENT				
OTHER =	0						100%											
TOTAL DIV. LOAD =							43,916 VA											
LINE AMPS =							122 A											
LINE AMPS X 1.25 =							152 A											

NOTES:
* PROVIDE SHUNT TRIP BREAKER AND INTEGRATE WITH HOOD
+ GFI BREAKER
BOLD DENOTES NEW



Classic Engineering, LLC
100 Cesar E Chavez Ave SW
Grand Rapids, Michigan 49503
(616) 742-2810
www.classicengineering.com
Project # 2026021



Engineering & Design

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REV	DATE	DESCRIPTION
1	03/16/26	BID PACK 2 - BIDS & PERMITS

LANSING SCHOOL DISTRICT

BID PACK 2
EBERSOLE CENTER FOOD SERVICE - EQUIPMENT REPLACEMENT & RENOVATIONS SO-1853
34.00 2ND STREET
WAYLAND, MI 49348

MI ARCHITECTURE
FIRM LICENSE # NL P000605



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

PROJECT MANAGER: _____ DISCIPLINE LEAD: _____
DESIGNER: _____ REVIEWER: _____
DATE ISSUED: 03/16/2026 PROJECT NUMBER: 26000750A
SHEET NAME: _____

ONE-LINE DIAGRAM

DRAWING NUMBER: **E200**

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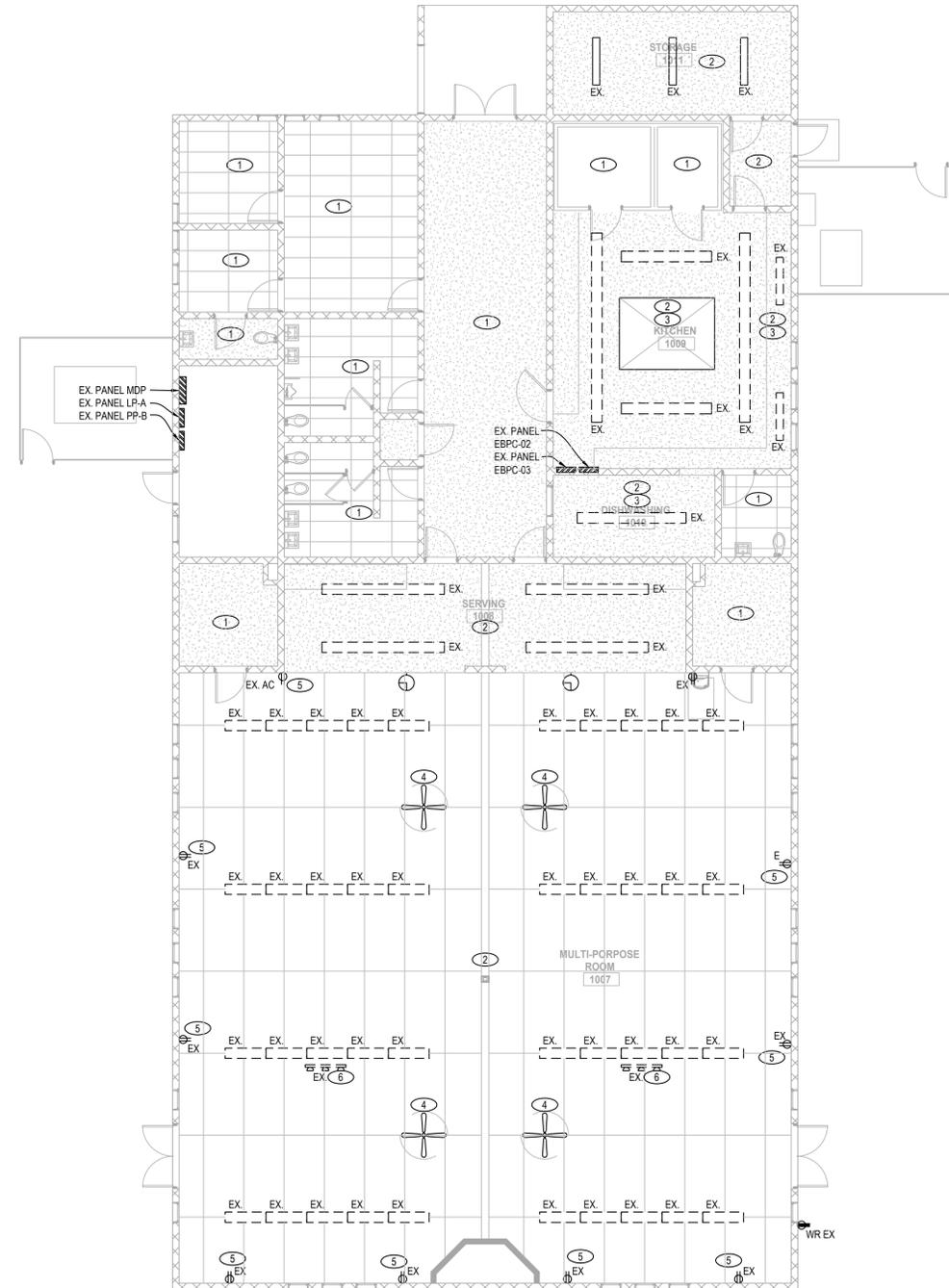
REV	DATE	DESCRIPTION
1	03/16/26	BID PACK 2 - BIDS & PERMITS

DEMOLITION KEYNOTES:

- ① NO WORK IN THIS AREA.
- ② REMOVE EXISTING LIGHTING. RETAIN CIRCUITS FOR NEW FIXTURES.
- ③ DISCONNECT EXISTING EQUIPMENT OR TURN OFF TO MAKE SAFE FOR REPLACEMENT EQUIPMENT.
- ④ EXISTING PADDLE FANS AND CONTROL TO REMAIN.
- ⑤ EXISTING WIRING DEVICES TO BE REPLACED WITH NEW.
- ⑥ EXISTING TRACK LIGHTING TO BE REMOVED.

GENERAL DEMOLITION NOTES:

- 1. REMOVE EXISTING WIRING DEVICES IN AREAS OF WORK. REPLACE WITH NEW TAMPER RESISTANT RECEPTACLES AND STAINLESS STEEL COVER PLATES. EXISTING SWITCHES TO BE REPLACED WITH NEW AND REPLACE COVER PLATES WITH STAINLESS STEEL.



EX. PANEL MDP
 EX. PANEL LP-A
 EX. PANEL PP-B

EX. PANEL EBPC-02
 EX. PANEL EBPC-03

FLOOR AND CEILING PLAN - DEMOLITION
 SCALE: 1/8" = 1'-0"

LANSING SCHOOL DISTRICT

BID PACK 2
EBERSOLE CENTER FOOD SERVICE - EQUIPMENT REPLACEMENT & RENOVATIONS SO-1853
 3400 2ND STREET
 WAYLAND, MI 49348

MI ARCHITECTURE
 FIRM LICENSE # NL P000605



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PROJECT MANAGER: L. WOOD	DISCIPLINE LEAD: C. LADEWIG
DESIGNER: C. LADEWIG	REVIEWER:
DATE ISSUED: 03/16/2026	PROJECT NUMBER: 26000750A

FIRST FLOOR PLAN - DEMOLITION

DRAWING NUMBER:
ED101

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REV	DATE	DESCRIPTION
1	03/16/26	BID PACK 2 - BIDS & PERMITS

POWER KEYNOTES:

- ◇ NO WORK IN THIS AREA.
- ◇ PROVIDE NEW WIRING DEVICES IN MULTI-PURPOSE ROOM WITH TAMPER RESISTANT AND STAINLESS STEEL COVER PLATES AS SHOWN ON PLAN.
- ◇ ROUTE CIRCUITS FOR SERVING LINE IN MULTI-PURPOSE ROOM THROUGH AREA ON CEILING LEFT OPEN WHERE ROOM DIVIDER WAS REMOVED.
- ◇ PROVIDE 3/4" CONDUIT DROP FROM CONDUIT CHASE AT CEILING TO FLOOR MOUNTED KEYSTONE STYLE FLOOR BOX WITH 120V/20A NEMA 14/50 RECEPTACLE. VERIFY WITH EQUIPMENT.
- ◇ REUSE EXISTING CIRCUIT, RECONNECT TO NEW EQUIPMENT, FIELD VERIFY.
- ◇ PROVIDE GFCI CIRCUIT BREAKER.
- ◇ PROVIDE NEW CIRCUIT FOR DISHWASHER AND DRAIN TEMPERING KIT.
- ◇ PROVIDE 3/4" CONDUIT DROP FROM CONDUIT CHASE AT CEILING TO FLOOR MOUNTED KEYSTONE STYLE FLOOR BOX WITH 120V/20A NEMA 5-20 RECEPTACLE.

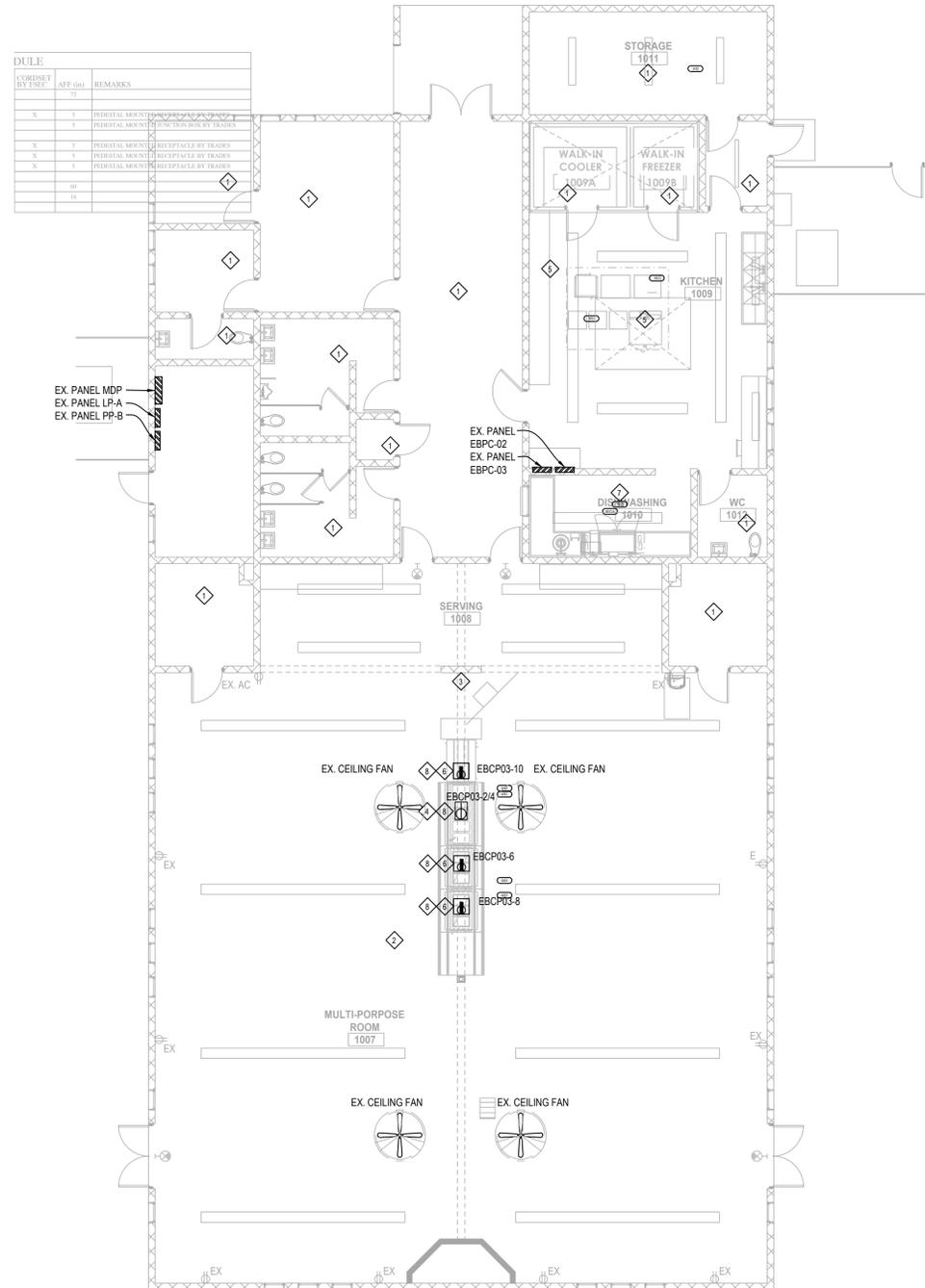
GENERAL POWER NOTES:

1. ALL EXISTING 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 CORRIDORS, GYM, MUSIC ETC. PROVIDE STAINLESS STEEL COVER PLATES.
2. MOUNT PANELS, TRANSFORMERS, DISCONNECT SWITCHES, AND COMBINATION MOTOR STARTERS WITH ADEQUATE CLEARANCES IN ACCORDANCE WITH NEC 110.
3. VERIFY ALL EQUIPMENT REQUIREMENTS, CONNECTION TYPES, AND LOCATIONS WITH EQUIPMENT SUPPLIER AND NAMEPLATES PRIOR TO ROUGH-IN.
4. FIRE ALARM DEVICES SHOWN FOR REFERENCE ONLY AND DO NOT REPRESENT COMPREHENSIVE SYSTEMS. ANY NEW DEVICES TO BE ADDED, MATCH EXISTING SYSTEM. SYSTEM WILL BE REQUIRED TO BE RECERTIFIED.

EQUIPMENT SCHEDULE								
Item	EQUIPMENT DESCRIPTION	VOLTS	PH	AMPS LOAD	DIRECT BY EC	CORDSET BY FSEC	AFF (in)	REMARKS
102	ICE MAKER W/ BIN	208	1	5.9	X		72	
301	STEAMER & STAND	208	3	42.0		X	5	PEDESTAL MOUNTED RECEPTACLE BY TRADES
302	CONVECTION OVEN - DOUBLE DECK	208	3	34.0	X		5	PEDESTAL MOUNTED JUNCTION BOX BY TRADES
401	HOT FOOD TABLE	120/208	1	28.4		X	5	PEDESTAL MOUNTED RECEPTACLE BY TRADES
403	COLD FOOD TABLE	120	1	8.6		X	5	PEDESTAL MOUNTED RECEPTACLE BY TRADES
405	MILK COOLER - DOUBLE SIDED	120	1	3.3		X	5	PEDESTAL MOUNTED RECEPTACLE BY TRADES
502	DISHWASHER	208	3	138.9	X		60	
502A	DRAIN WATER TEMPERING KIT	120	1	5.0	X		16	

NOTE:

1. FSEC SHALL VERIFY ROUGHIN REQUIREMENTS FOR FUTURE, PURVEYOR SUPPLIED, OWNERS RELOCATED EQUIPMENT, OWNER SUPPLIED EQUIPMENT, ETC.
2. TRADES TO REUSE EXISTING ROUGHINS WHERE APPLICABLE.
3. TRADES SHALL DISCONNECT, REMOVE, STORE & RECONNECT ANY EXISTING EQUIPMENT AS REQUIRED FOR CONSTRUCTION PURPOSES.
4. EQUIPMENT NOT BEING REUSED TO BE DISCONNECTED BY TRADES AND STORED OR DISCARDED BY THE FSEC AS DIRECTED BY OWNER.
5. EQUIPMENT DESIGNATED AS RELOCATED SHALL BE DISCONNECTED BY THE TRADES AND RELOCATED BY THE FSEC AS PER PLANS AND SPECIFICATIONS.



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

LANSING SCHOOL DISTRICT

BID PACK 2
EBERSOLE CENTER FOOD SERVICE - EQUIPMENT REPLACEMENT & RENOVATIONS SO-1853
 3400 2ND STREET
 WAYLAND, MI 49348

MI ARCHITECTURE
 FIRM LICENSE # NL P000605



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 Architects, Landscape Architects,
 Surveying, CT P.C.

PROJECT MANAGER: L. WOOD
 DISCIPLINE LEAD: C. LADEWIG
 DESIGNER: C. LADEWIG
 REVIEWER:
 DATE ISSUED: 03/16/2026
 PROJECT NUMBER: 26000750A

FIRST FLOOR PLAN - POWER

DRAWING NUMBER:
EP101

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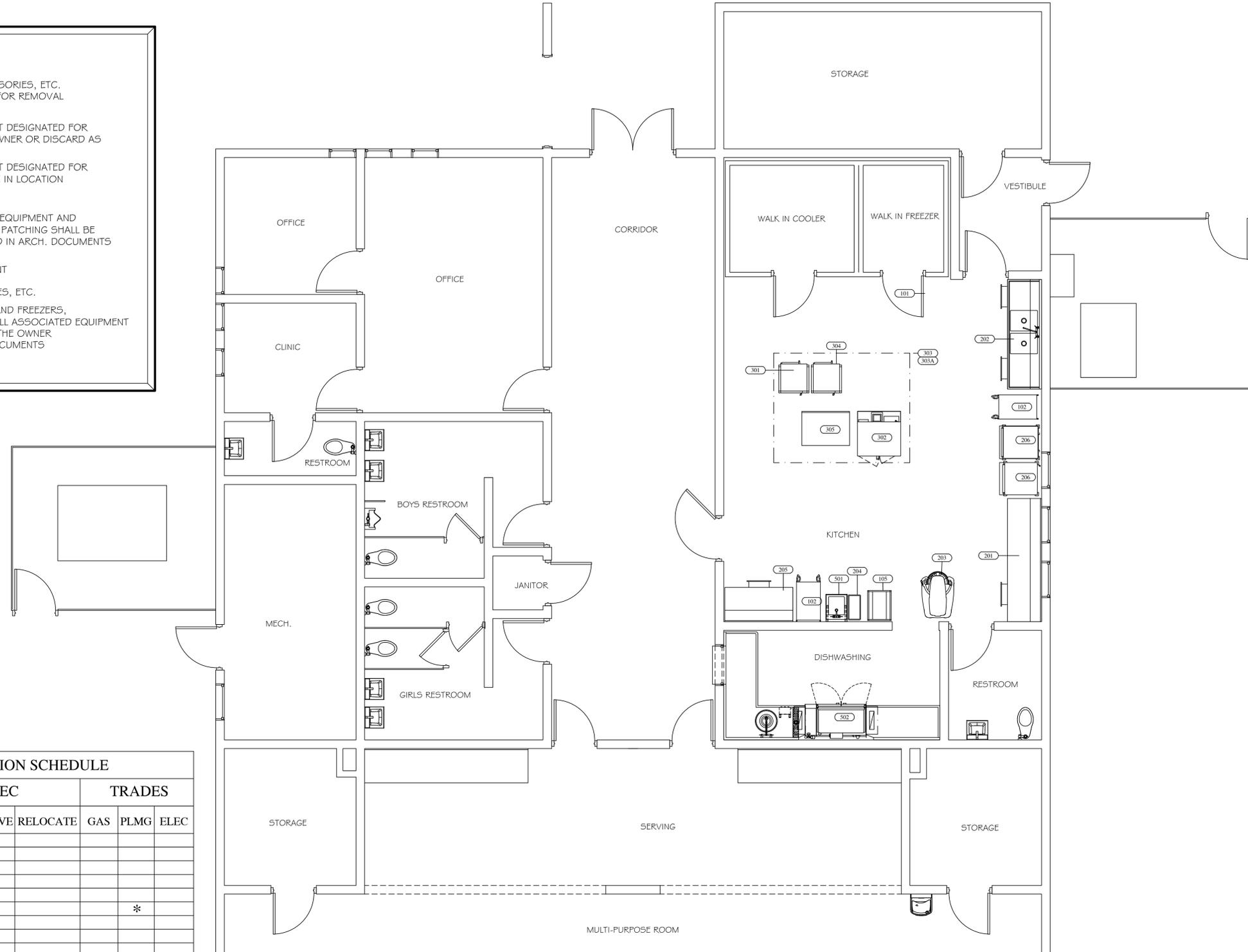
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**Food Service
Consultants**
JRA FOOD SERVICE CONSULTANTS, LLC
401 HALL STREET SW - SUITE 185H
GRAND RAPIDS, MI 49503
PH: (616) 454-4433

NOTE:

1. DISCONNECT ALL ASSOCIATED PLUMBING, ELECTRICAL, & ACCESSORIES, ETC. TO ALL EQUIPMENT DESIGNATED FOR REMOVAL AND/OR RELOCATION
2. REMOVE ALL EXISTING EQUIPMENT DESIGNATED FOR REMOVAL AND TURN OVER TO OWNER OR DISCARD AS DIRECTED BY THE OWNER
3. REMOVE ALL EXISTING EQUIPMENT DESIGNATED FOR RELOCATION AND STORE ON-SITE IN LOCATION DETERMINED BY THE OWNER
4. REMOVE ALL HOODS, ROOF TOP EQUIPMENT AND ASSOCIATED DUCTWORK - ROOF PATCHING SHALL BE BY THE OWNER - OR AS DIRECTED IN ARCH. DOCUMENTS
5. AFTER RELOCATION OF EQUIPMENT THE TRADES SHALL RE-CONNECT ALL EQUIPMENT AND ACCESSORIES, ETC.
6. REMOVE ALL WALK-IN COOLERS AND FREEZERS, REFRIGERATION SYSTEMS AND ALL ASSOCIATED EQUIPMENT - ROOF PATCHING SHALL BE BY THE OWNER - OR AS DIRECTED IN ARCH. DOCUMENTS



EXISTING EQUIPMENT DEMOLITION SCHEDULE								
EQUIPMENT SCHEDULE			FSEC			TRADES		
Item	Qty	Equipment Category	REMAIN	REMOVE	RELOCATE	GAS	PLMG	ELEC
101	1	WALK-IN COOLER/FREEZER	*					
102	2	UTILITY CART	*					
105	1	PAN RACK	*					
201	1	WORKTABLE		*				
202	1	PREP TABLE		*			*	
203	1	MIXER	*					
204	1	TRASH BIN	*					
205	1	WORKTABLE	*					
206	2	HOT FOOD CABINET	*					
301	1	STEAMER		*				*
302	1	CONVECTION OVEN		*				*
303	1	HOOD	*					
303A	1	EXHAUST FAN & CURB	*					
304	1	STEAMER		*				*
501	1	HAND SINK	*					
502	1	DISHWASHER		*			*	*

ARCHITECT:
COLLIERS ENGINEERING
& DESIGN
560 5TH STREET NW
SUITE 305
GRAND RAPIDS, MI 49504

PROJECT:
LANSING SCHOOL DISTRICT
EBERSOLE CENTER
3400 2ND ST.
WAYLAND, MI 49348

SHEET TITLE:
FOOD SERVICE
EQUIPMENT
DEMOLITION PLAN
SCALE 1/4" = 1'-0"

DATE CODE	PROJECT PHASE	BY
03/13/26 LSECSDEMO	BIDS BP #2	JR

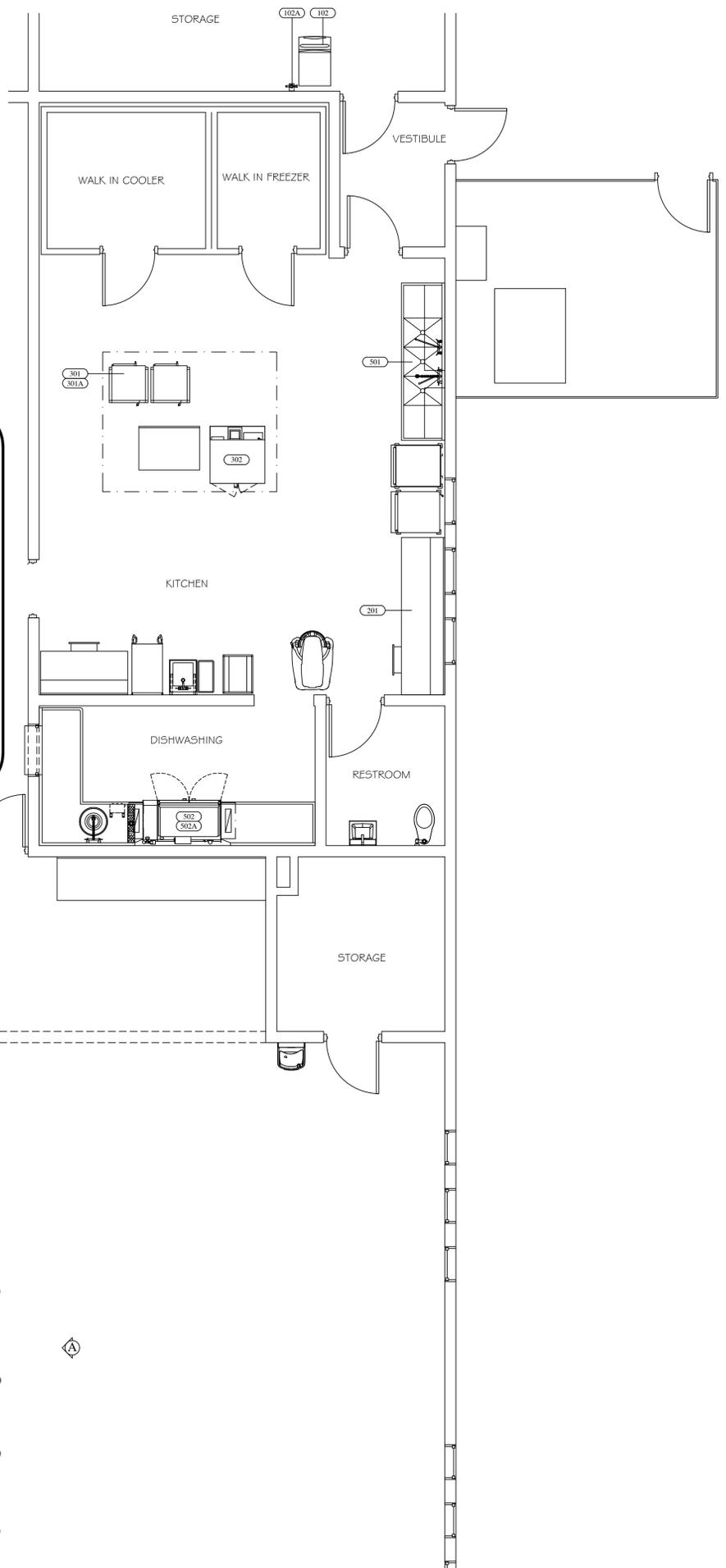
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SHEET NUMBER:

FSE-0

EQUIPMENT SCHEDULE

Item	Qty	DESCRIPTION	CW (in)	HW (in)	INDIRECT DRAIN	DIRECT DRAIN (IN)	GAS (in)	MBTUH	EXH DUCT	EXH CFM	MUA DUCT	MUA CFM	Volts	Ph	Amps load	Equipment Remarks
101	1	PORTABLE TABLE														S.S. UNDERSHELF & CASTERS
102	1	ICE MAKER	0.5		FL SK								208	1	5.9	TRADES TO PIPE CW THRU FILTER THEN TO ICE MAKER
102A	1	ICE MAKER FILTER	0.5													TRADES TO PIPE CW THRU FILTER THEN TO ICE MAKER
201	1	WORK TABLE														
301	1	STEAMER & STAND	0.75		FL SK								208	3	42.0	
301A	1	DRAIN WATER TEMPERING KIT	0.5		FL SK											TRADES TO INSTALL
302	1	CONVECTION OVEN - DOUBLE DECK											208	3	(2) 34.0	
401	1	HOT FOOD TABLE	0.5		FL SK								120/208	1	28.4	
402	1	UTILITY COUNTER														
403	2	COLD FOOD TABLE			FL SK								120	1	8.6	
404	1	SPARE NUMBER														
405	1	MILK COOLER - DOUBLE SIDED											120	1	3.3	
501	1	POT SINK	(2) 0.5	(2) 0.5	FL SK	2										TRADES TO PIPE 2" DIRECT WASTE TO GREASE TRAP
502	1	DISHWASHER		0.5	FL SK								208	3	138.9	138 GPH - 110° HW FROM BUILDING - BUILT-IN BOOSTER HEATER
502A	1	DRAIN WATER TEMPERING KIT	0.5		FL SK								120	1	5.0	TRADES TO INSTALL



FOODSERVICE
DESIGN BY:



Food Service
Consultants
JRA FOOD SERVICE CONSULTANTS, LLC
401 HALL STREET SW - SUITE 183H
GRAND RAPIDS, MI 49503
PH: (616) 454-4433

ARCHITECT:
COLLIERS ENGINEERING
& DESIGN
560 5TH STREET NW
SUITE 305
GRAND RAPIDS, MI 49504

PROJECT:
LANSING SCHOOL DISTRICT
EBERSOLE CENTER
3400 2ND ST.
WAYLAND, MI 49348

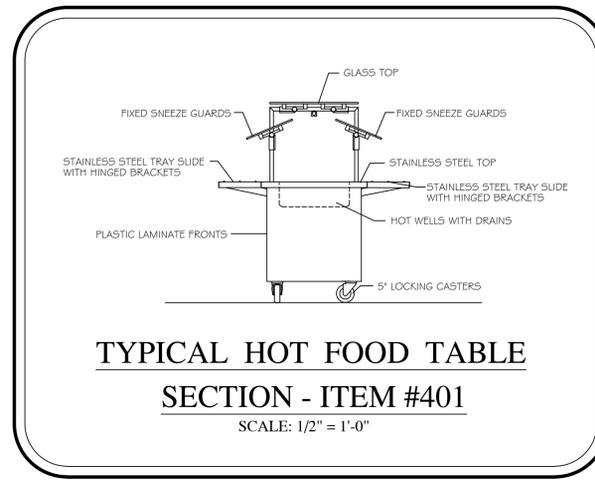
SHEET TITLE:
FOOD SERVICE
EQUIPMENT
FLOOR PLAN
SCALE 1/4" = 1'-0"

DATE CODE	PROJECT PHASE	BY
03/13/26 LSECSFP	BIDS BP #2	JR

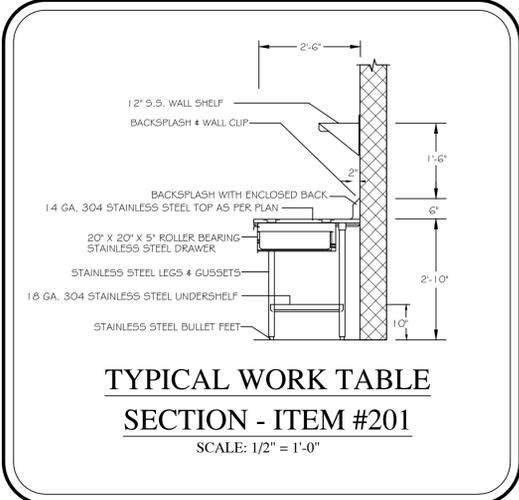
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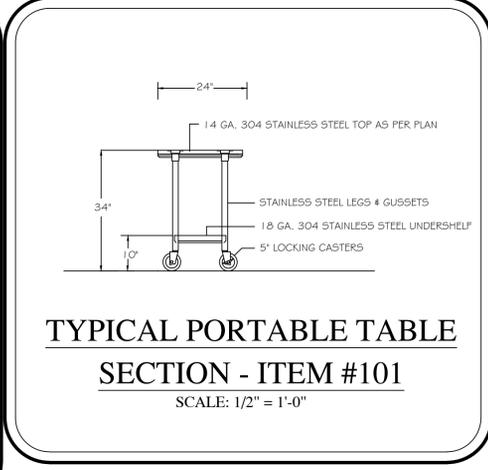
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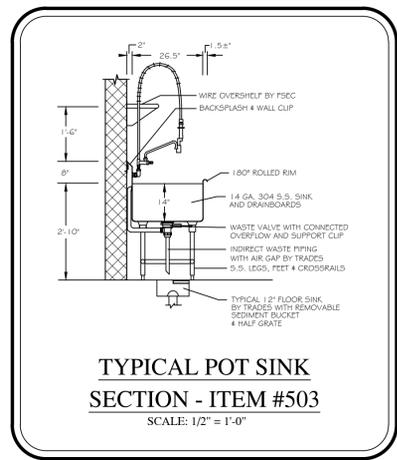
TYPICAL HOT FOOD TABLE
SECTION - ITEM #401
SCALE: 1/2" = 1'-0"



TYPICAL WORK TABLE
SECTION - ITEM #201
SCALE: 1/2" = 1'-0"



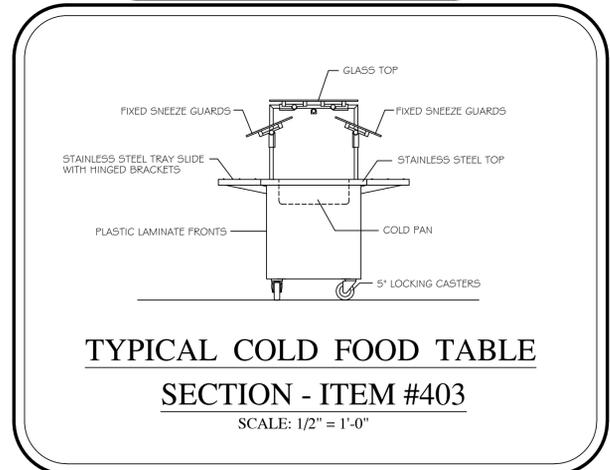
TYPICAL PORTABLE TABLE
SECTION - ITEM #101
SCALE: 1/2" = 1'-0"



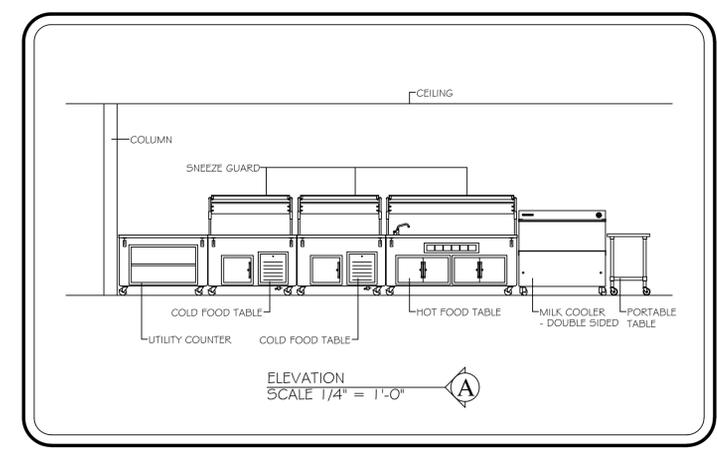
TYPICAL POT SINK
SECTION - ITEM #503
SCALE: 1/2" = 1'-0"

NOTE:

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- TRADES TO REUSE EXISTING ROUGHINS WHERE APPLICABLE.
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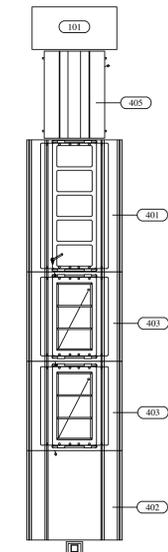


TYPICAL COLD FOOD TABLE
SECTION - ITEM #403
SCALE: 1/2" = 1'-0"

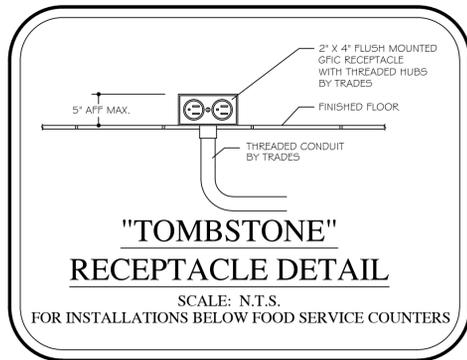


ELEVATION
SCALE 1/4" = 1'-0"

MULTI-PURPOSE ROOM



EQUIPMENT SCHEDULE								
Item	EQUIPMENT DESCRIPTION	VOLTS	PH	AMPS LOAD	DIRECT BY EC	CORDSET BY FSEC	AFF (in)	REMARKS
102	ICE MAKER W/BIN	208	1	5.9	X		72	
301	STEAMER & STAND	208	3	42.0		X	5	PEDESTAL MOUNTED RECEPTACLE BY TRADES
302	CONVECTION OVEN - DOUBLE DECK	208	3	34.0	X		5	PEDESTAL MOUNTED JUNCTION BOX BY TRADES
401	HOT FOOD TABLE	120/208	1	28.4		X	5	PEDESTAL MOUNTED RECEPTACLE BY TRADES
403	COLD FOOD TABLE	120	1	8.6		X	5	PEDESTAL MOUNTED RECEPTACLE BY TRADES
405	MILK COOLER - DOUBLE SIDED	120	1	3.3		X	5	PEDESTAL MOUNTED RECEPTACLE BY TRADES
502	DISHWASHER	208	3	138.9	X		60	
502A	DRAIN WATER TEMPERING KIT	120	1	5.0	X		16	



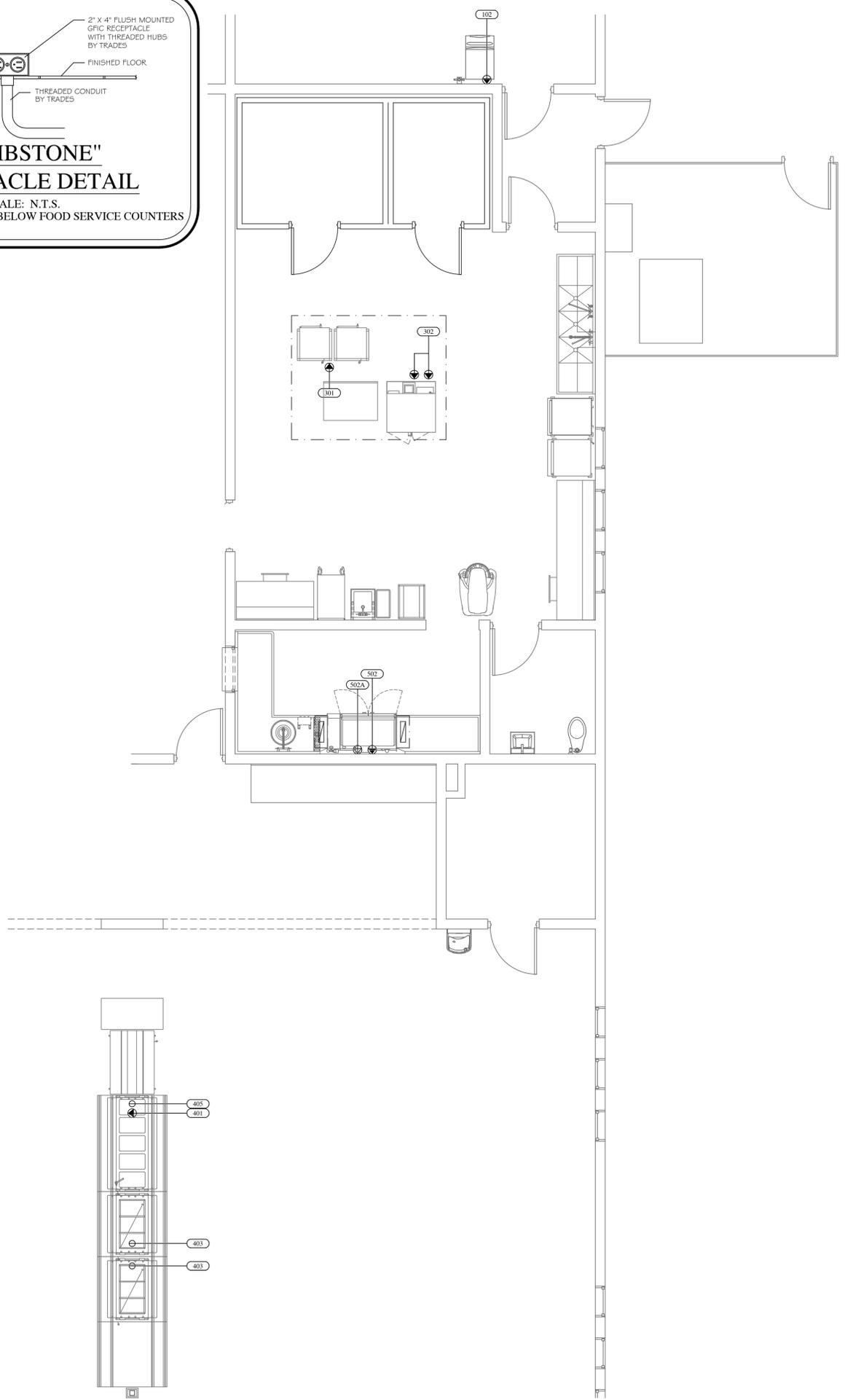
NOTE:

- FSEC SHALL VERIFY ROUGHIN REQUIREMENTS FOR FUTURE, PURVEYOR SUPPLIED, OWNERS RELOCATED EQUIPMENT, OWNER SUPPLIED EQUIPMENT, ETC.
- TRADES TO REUSE EXISTING ROUGHINS WHERE APPLICABLE.
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DATA	DATA CONNECTION
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JB	JUNCTION BOX
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BC	BEVERAGE CONDUIT WITH 18" SWEEP ENDS BY TRADES - VIF
TPT	TEMPERED FLOOR TROUGH
NIKEC	NOT IN KITCHEN EQUIPMENT CONTRACT



FOODSERVICE
DESIGN BY:

JRA

Food Service
Consultants
JRA FOOD SERVICE CONSULTANTS, LLC
401 HALL STREET SW - SUITE 183H
GRAND RAPIDS, MI 49503
PH: (616) 454-4433

ARCHITECT:
COLLIERS ENGINEERING
& DESIGN
560 5TH STREET NW
SUITE 305
GRAND RAPIDS, MI 49504

PROJECT:
LANSING SCHOOL DISTRICT
EBERSOLE CENTER
3400 2ND ST.
WAYLAND, MI 49348

SHEET TITLE:
FOOD SERVICE
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ELECTRICAL PLAN
SCALE 1/4" = 1'-0"

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03/13/26 LSECESE	BIDS BP #2	JR

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SHEET NUMBER:

FSE-2

EQUIPMENT SCHEDULE

Item	EQUIPMENT DESCRIPTION	CW (in)	HW (in)	AFF (in)	DIRECT DRAIN (in)	AFF (in)	INDIRECT AIR GAP	GAS (in)	AFF (in)	MBTUH	REMARKS
102	ICE MAKER W/BIN	0.5		72			FL SK				TRADES TO PIPE CW THRU FILTER THEN TO ICE MAKER
102A	ICE MAKER FILTER	0.5		72							TRADES TO PIPE CW THRU FILTER THEN TO ICE MAKER
301	STEAMER & STAND	0.75		5			FL SK				
301A	DRAIN WATER TEMPERING KIT	0.5		5			FL SK				
501	POT SINK	0.5	0.5	16	2	12	FL SK				TRADES TO PIPE 2" DIRECT WASTE TO GREASE TRAP
502	DISHWASHER		0.5	18			FL SK				138 GPH - 110" HW FROM BUILDING - BUILT-IN BOOSTER HEATER
502A	DRAIN WATER TEMPERING KIT	0.5		18			FL SK				TRADES TO INSTALL

NOTE:

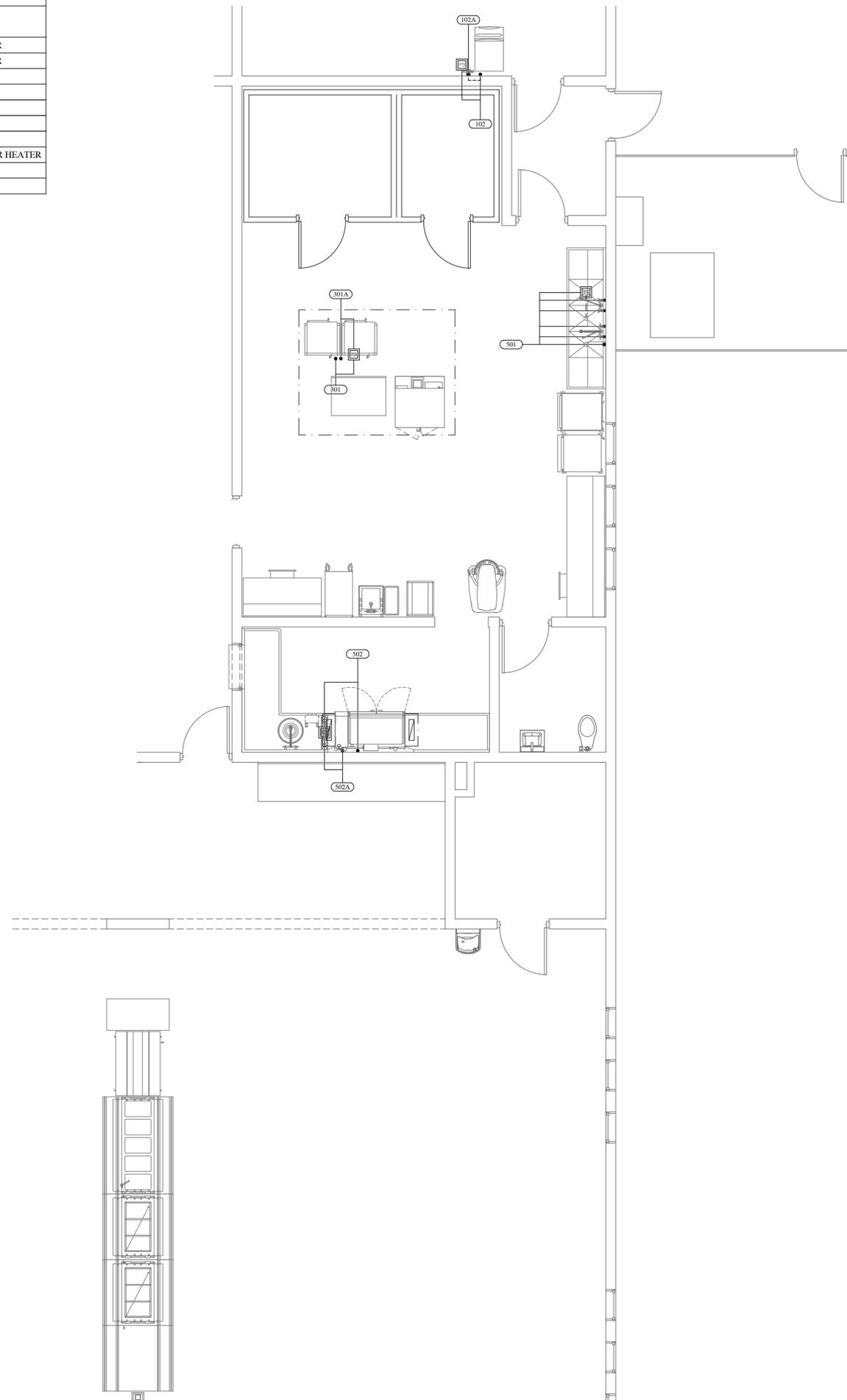
- FSEC SHALL VERIFY ROUGHIN REQUIREMENTS FOR FUTURE, PURVEYOR SUPPLIED, OWNERS RELOCATED EQUIPMENT, OWNER SUPPLIED EQUIPMENT, ETC.
- TRADES TO REUSE EXISTING ROUGHINS WHERE APPLICABLE.
- TRADES SHALL DISCONNECT, REMOVE, STORE & RECONNECT ANY EXISTING EQUIPMENT AS REQUIRED FOR CONSTRUCTION PURPOSES.
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