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**BID PACK 2**

**DWIGHT RICH FOOD SERVICE - EQUIPMENT REPLACEMENT & RENOVATIONS SO-1854**

2600 HAMPDEN DR  
LANSING, MI 48911

3/13/26

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**CODE REVIEW**

**PROJECT SCOPE**  
INTERIOR RENOVATIONS OF EXISTING KITCHEN AND LIMITED ACCESSORY ROOMS, CONSISTING OF EQUIPMENT AND LIGHTING UPDATES.

**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: 153,000 SF  
RENOVATION AREA: 3,107 SF

CONSTRUCTION TYPE= II-B, NON-COMBUSTIBLE  
NON-SPRINKLERED

ALTERATIONS: LEVEL 1 (CHAPTER 7)

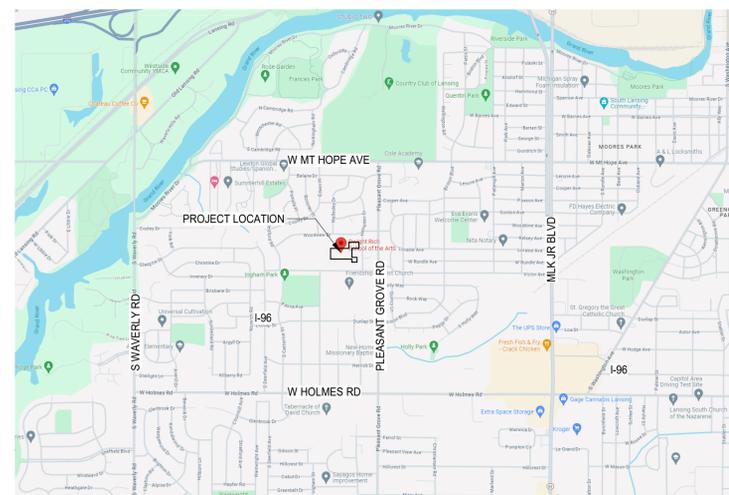
**USE AND OCCUPANCY**

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

**PROJECT LOCATION MAP**



MI ARCHITECTURE  
FIRM LICENSE # NLP000605

DRAWING NUMBER:  
**G000**

APPLICABLE CODES: COMPLIANCE WITH THE 2021 MICHIGAN BUILDING, REHABILITATION, AND ENERGY CONSERVATION CODES (BASED ON 2021 I-CODES), 2021 MICHIGAN MECHANICAL CODE, 2021 PLUMBING CODE (BASED ON 2021 IPC) INCLUDING MICHIGAN ADDENDA AND ERRATA; 2023 MICHIGAN ELECTRICAL CODE, PART 9 RULES (BY REFERENCE, 2023 NEC); BOILER CODE (2019 ASME BOILER AND PRESSURE VESSEL CODES WITH ADDENDA); ELEVATOR CODE (2016 ASME 17.1, 2011 ASME A18.1 AND ELEVATOR SAFETY BOARD GENERAL RULES, ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES (ICC A117.1-17), AND OTHER LOCAL, STATE, AND FEDERAL CODES AND REGULATIONS APPLICABLE TO THIS PROJECT.

BUILDING CODE SUMMARY

PROJECT INFORMATION: PROJECT NAME: DWIGHT RICH CAFETERIA RENOVATIONS; PROJECT NUMBER: 25015929A/25015928A; PREPARED BY: E POST; CHECKED BY: C NORRIS; DATE:

REHABILITATION OF EXISTING STRUCTURES: PER THE 2021 MICHIGAN RAHABILITATION CODE FOR EXISTING BUILDINGS (2021 EIBC); ALTERATIONS - LEVEL 1; ALTERATIONS - LEVEL 2; ALTERATIONS - LEVEL 3; CHANGE OF OCCUPANCY; FORMER OCCUPANCY CLASSIFICATION(S); NEW OCCUPANCY CLASSIFICATION(S); PARTIAL CHANGE OF OCCUPANCY; ADDITIONS; HISTORIC BUILDING; RELOCATED BUILDING; ACCESSIBILITY UPGRADES.

OCCUPANCY CLASSIFICATION AND MIXED OCCUPANCIES: SINGLE; ACCESSORY - GROUP; MIXED OCCUPANCY; SEPARATED; NON-SEPARATED; COMBINATION; IF SEPARATED, FIRE RESISTANCE RATING OF FIRE BARRIER; OCCUPANCY CLASSIFICATION(S); USES: AREA OF WORK IS KITCHEN/SERVING

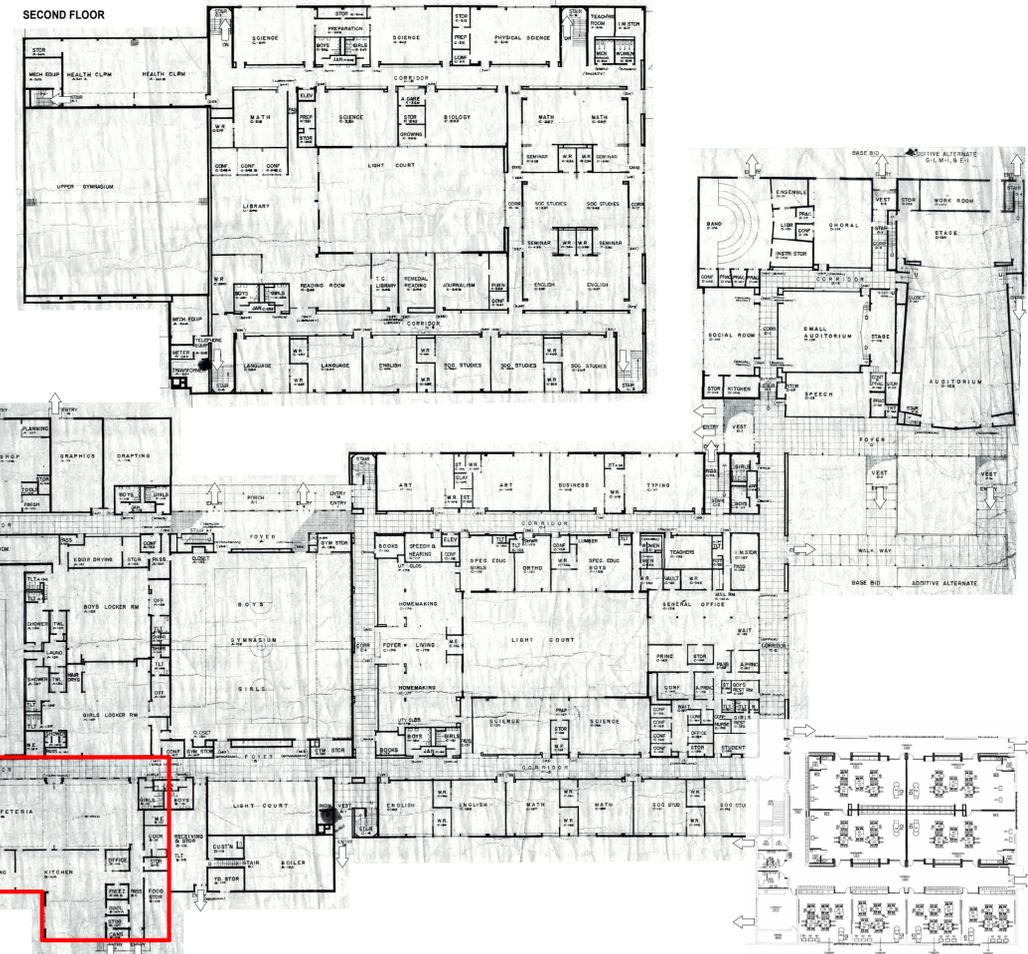
AUTOMATIC SPRINKLER SYSTEM PROVIDED THROUGHOUT BUILDING: YES; NO; PARTIAL/LIMITED-AREA SPRINKLER SYSTEM: YES; NO; NFPA STANDARD: 13; 13R; ALT. FIRE PROTECTION SYSTEM:

CONSTRUCTION TYPE: II (000) SECTION 601

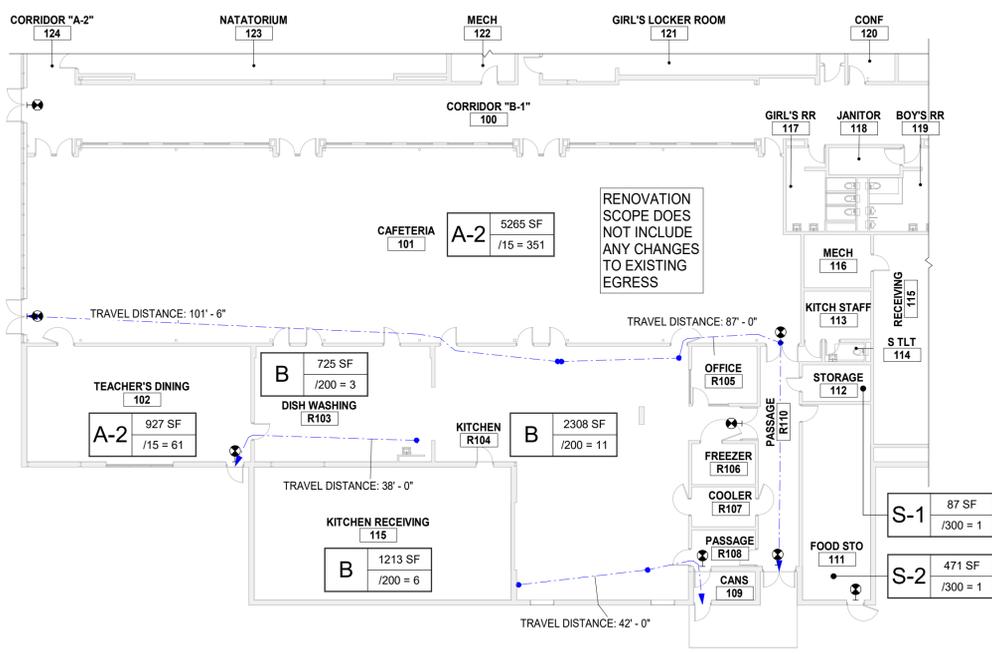
FIRE RESISTANCE OF BUILDING ELEMENTS: TABLE with columns BUILDING ELEMENTS, REQUIRED, PROVIDED, SECTION

INTERIOR FINISH: WALL AND CEILING; OCCUPANCY: FINISH CLASS, LOCATION; CHECKED boxes for EXITS, CORRIDORS/EXIT ACCESS, ROOMS/SPACES

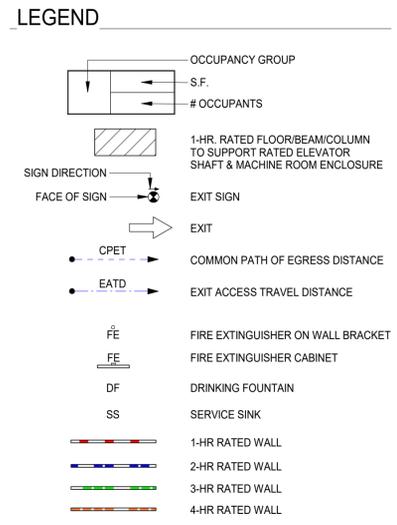
FLOORING: FINISH CLASS, OCCUPANCIES; CHECKED boxes for ALL, GROUPS, DOC FF-1



2 FIRST FLOOR PLAN - OVERALL LIFE SAFETY SCALE: NTS



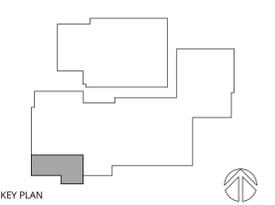
1 LIFE SAFETY PLAN - AREA OF WORK SCALE: 1/16" = 1'-0"



GENERAL NOTES: 1. APPLICABLE CODES; 2. COMPLIANCE; 3. CERTIFICATIONS

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Revision table with columns REV, DATE, DESCRIPTION; entry 3, 03/13/26, BID PACK 2 - BIDS & PERMITS



LANSING SCHOOL DISTRICT; BID PACK 2; DWIGHT RICH FOOD SERVICE - EQUIPMENT REPLACEMENT & RENOVATIONS SO-1854; 2600 HAMPDEN DR, LANSING, MI 48911; MI ARCHITECTURE FIRM LICENSE # NLP000605

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PROJECT MANAGER: C NORRIS; DISCIPLINE LEAD: B HUYLER; DESIGNER: E POST; REVIEWER: ; DATE ISSUED: 3/13/26; PROJECT NUMBER: 2501529A; SHEET NAME:

CODE COMPLIANCE & LIFE SAFETY PLANS

DRAWING NUMBER: G001

GENERAL ARCHITECTURAL SYMBOLS

**VIEW TITLE**  
 DETAIL NO.  
 DRAWING NO.

**DETAIL CALLOUT**  
 DETAIL NO.  
 DRAWING NO.

**SECTION MARKER**  
 SECTION NO.  
 DRAWING NO.

**ELEVATION MARKER**  
 ELEVATION NO.  
 DRAWING NO.

**DETAIL SECTION**  
 DETAIL NO.  
 DRAWING NO.

**ACCESSORY MARKER**

**DOOR MARKER**

**WINDOW TYPE MARKER**

**Room name**  
 ROOM TAG

**SCHEDULED DOOR**

**EXISTING DOOR**

**BREAK MARKER**

**NORTH ARROW**

**NEW COLUMN ID**

**EXISTING COLUMN ID**

**KEYNOTE**

**KEYNOTE (REMOVALS)**

**EQUIPMENT TAG**

**ELEVATION NOTATION**

**CEILING HEIGHT**

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	

PARTITION NOTES

- WALLS**
- A. DIMENSIONS:**
- a. STUD WALLS ARE TO FACE OF STUD, UNLESS OTHERWISE INDICATED IN A.c. OR A.d. BELOW.
  - b. MASONRY WALLS ARE TO FACE OF MASONRY.
  - c. EXISTING CONSTRUCTION ARE TO FINISHED FACE OF CONSTRUCTION.
  - d. WHERE NOTED AS "CLR" DIMENSIONS ARE TO FINISHED SURFACE AND ARE CRITICAL FOR ACCESSIBILITY REQUIREMENTS OR BUILT-IN FURNISHINGS.
- A. RATINGS:**
- 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.
    - 1. RECESSED CABINETS, OUTLET BOXES, AND OTHER PENETRATIONS MUST BE SEALED
    - 2. OPENINGS AROUND PENETRATIONS ARE TO BE SEALED.
    - 3. ALL EXPOSED JOINTS, ANGLES, AND ABUTMENTS IN THE SYSTEM, INCLUDING FLOOR AND ABOVE CEILING MUST BE TAPED AND FINISHED.
    - 4. SEAL THE INTERFACE BETWEEN WALLS AND DOOR JAMBS, OR SIDELIGHT FRAMES.
  - 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.
  - c. FIRE AND SMOKE WALL / BARRIER / WALLS LABELING: PROVIDE LABELS ABOVE ACOUSTIC CEILING IN LETTERS AT LEAST 2-INCHES IN HEIGHT AND NO MORE THAN 10-LINEAL FEET ALONG THE WALL. LABELS SHALL BE PLACED IN SUCH A MANNER AS TO BE OBVIOUS TO WORKERS IN THE CONCEALED SPACE ON BOTH SIDES OF THE WALL AND WILL READ AS FOLLOWS: "X" HR. FIRE (SMOKE) WALL [BARRIER] WALL. PENETRATIONS MUST BE FIRE (SMOKE) STOPPED. PROVIDE LABELING AT 12" O.C. SPACING. ELECTRICAL, MECHANICAL OR PLUMBING PENETRATIONS THROUGH FIRE-RATED WALL OR FLOOR ASSEMBLIES SHALL BE SEALED WITH A U.L. APPROVED THROUGH-PENETRATION FIRESTOP SYSTEM APPROPRIATE FOR THE RATING OF THE WALL BEING PENETRATED. SUBMIT PROPOSED U.L. NUMBERS AND DETAILS TO ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- D. GYPSUM BOARD WALL COMPONENTS AND ACCESSORIES:**
- a. WALL TYPES DO NOT INDICATE FINAL FINISHES. REFER TO FINISH PLANS AND FINISH SCHEDULE.
  - b. GYPSUM BOARD SHALL BE TYPE "X" FIRE RATED WITH:
    - 1. LEVEL 1 FINISH AT JOINTS WHICH WILL REMAIN CONCEALED. PROVIDE GALVANIZED STEEL CORNER BEADS AT CORNERS.
    - 2. LEVEL 3 FINISH WHERE WALLS EXPOSED TO VIEW SCHEDULED FOR PAINT IN SERVICE SPACES (eg. TELE / DATA CLOSETS, MECHANICAL ROOMS, JANITOR CLOSETS, STORAGE ROOMS).
    - 3. LEVEL 4 FINISH WHERE EXPOSED TO VIEW UPON PROJECT COMPLETION U.N.O.
    - 4. LEVEL 5 FINISH AT GRAPHIC CORRIDOR, AS WELL AS DRY ERASE AND CHALK BOARD PAINTED AREAS. REFER TO FINISH LOCATION ON PLANS, AND COORDINATE WITH DESIGNER IN THE FIELD.
  - c. PROVIDE MOISTURE / MOLD / ABUSE RESISTANT GYPSUM BOARD AT WALLS IN TOILET ROOMS, JANITORS CLOSETS AND ANY ROOM WHERE MOISTURE CONDITIONS WILL OCCUR AND NOT RECEIVING TILE FINISH.
  - d. PROVIDE GLASS MATT GYPSUM BOARD AT WALLS DIRECTLY ADJACENT TO LIVING WALL ELEMENT AND AT ALL WET AREAS (SHOWER ROOMS, COMMUNAL KITCHEN/DISHWASHER, ETC) GLASS MAT GYPSUM BOARD SHALL RECEIVE FIBERGLASS TAPE AND FINISH AS RECOMMENDED BY MANUFACTURER.
  - e. METAL TRIM:
    - 1. EXPOSED METAL J-TRIM TO BE COMPLETELY COVERED WITH SKIM COAT
    - 2. NON-METALIC J-TRIM OR OTHER SHAPES ARE NOT ACCEPTABLE, UNLESS OTHERWISE NOTED
  - f. LOCATIONS WHERE GYPSUM BOARD WALLS TERMINATE AT DISSIMILAR MATERIALS. PROVIDE A FINISH-ABLE METAL END TRIM AND A 1/4" GAP BETWEEN TRIM AND ADJACENT MATERIAL. FILL GAP WITH BACKER ROD AND SEALANT.
  - g. PROVIDE SOLID FIRE TREATED WOOD BLOCKING IN WALL AND CEILING CONSTRUCTION AS REQUIRED TO SUPPORT WALL MOUNTED MILLWORK AND CASEWORK, FURNISHINGS, RAILINGS, GRAB BARS, TOILET & BATH ACCESSORIES OR ANY OTHER WALL MOUNTED ITEMS INDICATED ON THESE DRAWINGS REQUIRING BLOCKING. REFER TO DIAGRAMS ON DRAWING A101 FOR MOUNTING LOCATIONS OF GRAB BARS.
  - h. PROVIDE PAPER FACED "L" SHAPED TAPE ON TRIM AT THE TOP OF ALL GYP. BD. THAT ABUTS SUSPENDED CEILING AND EXPOSED STRUCTURE.

GENERAL NOTES WITHOUT PROJECT MANUAL

- ALL GENERAL NOTES PERTAIN TO ALL ARCHITECTURAL (A-SERIES) DRAWINGS IN THIS SET**
- GENERAL**
1. DEFINITIONS: "PROVIDE" MEANS FURNISH AND INSTALL. SUPPLY LABOR AND MATERIALS TO RESULT IN A FINISHED AND/OR OPERABLE SYSTEM.
  2. CONTRACTOR RESPONSIBILITIES:
    - A. MATERIALS, CONSTRUCTION METHODS INCLUDING BUT NOT LIMITED TO LAYOUT, COORDINATION, SCHEDULE AND CONSTRUCTION SITE ACCESS AND WORK.
    - 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.
    - 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.
    - 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.
    - 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.
    - 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.
  3. EXISTING CONDITIONS: REVIEW EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING WORK AND REPORT DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
  4. CONTRACT DOCUMENTS:
    - 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.
    - 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.
    - C. WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDUM.
- FIELD CONDITIONS**
1. REPAIR: EXISTING SURFACES TO REMAIN IMPACTED BY DEMOLITION TO MATCH EXISTING ADJACENT SURFACES.
  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.
  3. HAZARDOUS MATERIALS: A PRE-DEMOLITION ASBESTOS SURVEY IS REQUIRED PRIOR TO DEMOLITION OF SUSPECT BUILDING MATERIALS IN ACCORDANCE WITH OSHA 29 CFR 1926.1101, AND USEPA 40 CFR 61.145. A PRE-DEMOLITION ASBESTOS SURVEY IS NOT REQUIRED FOR BUILDINGS OR STRUCTURES FOR WHICH THE ORIGINAL CONSTRUCTION COMMENCED ON OR AFTER JANUARY 1, 1974. THERMAL SYSTEM INSULATIONS AND SURFACING MATERIALS FOUND IN BUILDINGS CONSTRUCTED NO LATER THAN 1980 SHALL BE CONSIDERED PRESUMED ASBESTOS CONTAINING MATERIALS (PACM) UNLESS PROVEN OTHERWISE BY APPROPRIATE BULK SAMPLING AND LABORATORY ANALYSIS CONDUCTED BY APPROVED LICENSED PERSONNEL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL REGULATIONS. THE LANDLORD SHALL PROVIDE COPIES OF ANY ASBESTOS SURVEYS THEY HAVE ON FILE AT THE REQUEST OF THE CONTRACTOR.
  4. 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/M<sup>3</sup>) AVERAGED OVER AN 8-HOUR PERIOD. CONTRACTORS SHALL DETERMINE AND TAKE APPROPRIATE MEASURES IF THEY SUSPECT THE PRESENCE OF LEAD.
- FINISHES**
- A. GENERAL: FINISHED FLOORS EXTEND INTO TOE SPACES, UNDER CASEWORK ON LAB PROJECTS, CLOSETS, DOOR REVEALS AND SIMILAR OPENINGS.
  - B. PRODUCTS:
    - A. INSTALL MATERIALS USING MANUFACTURER'S APPROVED ADHESIVES AND METHODS, U.N.O.
    - B. PAINT DESIGNATIONS INDICATE COLOR ONLY, REFER TO SPECIFICATION FOR FINISH TYPE.
    - C. PROVIDE SELF-LEVELING TROWELABLE UNDERLAYMENT WHERE REQUIRED TO OBTAIN FINISH MANUFACTURER'S REQUIRED SUBFLOOR CONDITION.
    - D. PROVIDE THE REQUIRED TRANSITIONS BASED ON TYPES IDENTIFIED ON DRAWINGS AT EACH FINISH TRANSITION LOCATION.
  - C. EXECUTION:
    - 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.
    - 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.
    - 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.
    - D. MATERIAL AND INSTALLATION SHALL CONFORM WITH LOCAL, STATE AND NATIONAL BUILDING CODES AND CONSTRUCTION STANDARDS ENFORCED BY THE AUTHORITY HAVING JURISDICTION.
    - E. REQUIRED DOCUMENTATION (FOR CONSTRUCTION ADMINISTRATION):
      - 1. SAFETY DATA SHEETS.
      - 2. PROVIDE SAMPLES WHEN SPECIFICALLY REQUESTED IN THESE DOCUMENTS.
      - 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.
    - F. PROTECT ADJACENT SURFACES DURING WORK.
    - G. REMOVE ADHESIVE OR PAINT SPOTS FROM FINISHED FLOORS, WALLS, GLASS OR OTHER SURFACES. FINISHES TO MEET OR EXCEED CODE REQUIREMENTS.
    - H. FILL MINOR DRYWALL IRREGULARITIES WITH SPACKLING COMPOUND AND SAND TO A SMOOTH LEVEL SURFACE. EXERCISE CARE TO AVOID RAISING THE NAP OF PAPER.
    - 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.
    - J. EDGES OF PAINT ADJOINING OTHER COLORS OR MATERIALS TO BE SHARP AND CLEAN WITHOUT OVERLAP.
    - 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.
    - L. WHEN INSTALLING CARPET FOLLOW THE CARPET AND RUG INSTITUTE METHODS OF INSTALLATION AND MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS.
    - M. WHEN INSTALLING TILE FOLLOW THE TILE COUNCIL OF NORTH AMERICA'S INSTALLATION SPECIFICATIONS AND MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS.
    - N. CENTER FLOOR MATERIAL TRANSITIONS ON DOOR ABOVE.
    - O. FLOOR MATERIAL TRANSITIONS SHALL OCCUR BELOW THE DOOR.



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

LANSING SCHOOL DISTRICT

**BID PACK 2**  
**DWIGHT RICH FOOD SERVICE**  
**- EQUIPMENT**  
**REPLACEMENT &**  
**RENOVATIONS SO-1854**  
 2600 HAMPDEN DR  
 LANSING, MI 48911

MI ARCHITECTURE  
 FIRM LICENSE # NLP000605

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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>3/13/26</b>	PROJECT NUMBER: <b>2501529A</b>
SHEET NAME:	

GENERAL NOTES AND LEGENDS

DRAWING NUMBER:  
**A001**

## GENERAL REQUIREMENTS:

## SUBSTITUTION PROCEDURES:

- 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.
- 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.
- 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.
- EXECUTE ACCEPTED SUBSTITUTIONS UNDER THE SAME CONDITIONS AS OTHER WORK OF THE CONTRACT.
- DOCUMENTATION: SHOW COMPLIANCE WITH REQUIREMENTS FOR SUBSTITUTIONS AND THE FOLLOWING, AS APPLICABLE:
  - COST INFORMATION, INCLUDING A PROPOSAL OF CHANGE, IF ANY, IN THE CONTRACT SUM.
  - 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.
  - STATEMENT INDICATING WHY SPECIFIED PRODUCT OR FABRICATION, OR INSTALLATION METHOD CANNOT BE PROVIDED, IF APPLICABLE.
  - 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.
  - 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
  - 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.
- 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.
- 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.
- FORMS OF ACCEPTANCE: CHANGE ORDER, CONSTRUCTION CHANGE DIRECTIVE, OR ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS FOR MINOR CHANGES IN THE WORK.

## SUBMITTAL REQUIREMENTS:

- 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 AND ADDITIONAL TIME FOR HANDLING AND REVIEWING SUBMITTALS REQUIRED BY THOSE CORRECTIONS.
- PREPARE AND SUBMIT SUBMITTALS AS INCLUDED IN THE SUBMITTAL SCHEDULE.
- EMAIL: PREPARE SUBMITTALS AS PDF PACKAGE AND TRANSMIT TO ARCHITECT BY SENDING VIA EMAIL. INCLUDE PDF TRANSMITTAL FORM. INCLUDE INFORMATION IN EMAIL SUBJECT LINE AS REQUESTED BY ARCHITECT.
- 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.
- 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.
- 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.
- SUBMITTAL INFORMATION: INCLUDE THE FOLLOWING INFORMATION IN EACH SUBMITTAL:
  - PROJECT NAME, DATE AND INDICATION OF FULL OR PARTIAL SUBMITTAL.
  - ARCHITECT'S AND CONTRACTOR'S AND/OR CONSTRUCTION MANAGER'S, FIRM OR ENTITY THAT PREPARED SUBMITTAL AND SUBCONTRACTOR, MANUFACTURER, AND SUPPLIER NAMES.
  - NUMBER AND TITLE OF SPECIFICATION SECTION, WITH PARAGRAPH NUMBER AND GENERIC NAME FOR EACH OF MULTIPLE ITEMS
  - MATERIAL OR SYSTEM NAME AND DRAWING NUMBER AND DETAIL REFERENCES, AS APPROPRIATE.
  - IDENTIFY OPTIONS REQUIRING SELECTION BY ARCHITECT.
  - LOCATION(S) WHERE PRODUCT IS TO BE INSTALLED, AS APPROPRIATE AND OTHER NECESSARY INFORMATION.
  - 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.
- INCOMPLETE SUBMITTALS ARE UNACCEPTABLE, WILL BE CONSIDERED NONRESPONSIVE, AND WILL BE RETURNED FOR RESUBMITTAL WITHOUT REVIEW.
- 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.
- SUBMITTALS NOT REQUIRED BY THE CONTRACT DOCUMENTS WILL BE RETURNED BY ARCHITECT WITHOUT ACTION.

## QUALITY REQUIREMENTS:

- 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.
- PREPARE AND SUBMIT CERTIFIED WRITTEN REPORTS REQUIRED. INCLUDE THE FOLLOWING:
  - 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.
  - NAME, ADDRESS, TELEPHONE NUMBER, AND EMAIL ADDRESS OF TESTING AGENCY
  - DATES AND LOCATIONS OF SAMPLES AND TESTS OR INSPECTIONS.
  - 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.
- 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.
- 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.
- 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.
- TESTING AND INSPECTING AGENCY QUALIFICATIONS: AN NRTL, AN NVLAP, OR AN INDEPENDENT AGENCY WITH THE EXPERIENCE AND CAPABILITY TO CONDUCT TESTING AND INSPECTION INDICATED, AS DOCUMENTED ACCORDING TO **(ASTM E329) <INSERT STANDARD>**; AND WITH ADDITIONAL QUALIFICATIONS REQUIRED BY THE CONSTRUCTION DOCUMENTS; AND, WHERE REQUIRED BY AUTHORITIES HAVING JURISDICTION, THAT IS ACCEPTABLE TO AUTHORITIES.
- 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:
  - 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.
  - 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.
- 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.
- QUALITY CONTROL:
  - 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.
  - 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.
  - 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.
- 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:
  - VERIFYING THAT MANUFACTURER MAINTAINS DETAILED FABRICATION AND QUALITY-CONTROL PROCEDURES AND REVIEWING THE COMPLETENESS AND ADEQUACY OF THOSE PROCEDURES TO PERFORM THE WORK.
  - NOTIFY ARCHITECT, CONTRACTOR OR CONSTRUCTION MANAGER AND **COMMISSIONING AUTHORITY** PROMPTLY OF IRREGULARITIES OR DEFICIENCIES OBSERVED IN THE WORK DURING PERFORMANCE OF ITS SERVICES.
  - 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.
  - RETESTING AND REINSPECTING CORRECTED WORK.
- 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:

- DEVELOP A WASTE MANAGEMENT PLAN AND SUBMIT PLAN FOR APPROVAL WITHIN 14 DAYS OF DATE ESTABLISHED FOR COMMENCEMENT OF THE WORK.
- 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.
- TRAIN WORKERS, SUBCONTRACTORS, AND SUPPLIERS ON PROPER WASTE MANAGEMENT PROCEDURES, AS APPROPRIATE FOR THE WORK.
- 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:

- 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.
- SUBMITTALS PRIOR TO SUBSTANTIAL COMPLETION: COMPLETE THE FOLLOWING A MINIMUM OF 10 DAYS PRIOR TO REQUESTING INSPECTION FOR DETERMINING DATE OF SUBSTANTIAL COMPLETION.
  - SUBMIT A FINAL APPLICATION FOR PAYMENT.**
  - CERTIFICATE OF INSURANCE: SUBMIT EVIDENCE OF FINAL, CONTINUING INSURANCE COVERAGE.
  - 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.
  - 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.
  - SUBMIT CLOSEOUT SUBMITTALS AS REQUIRED, INCLUDING SPECIFIC WARRANTIES, WORKMANSHIP BONDS, MAINTENANCE SERVICE AGREEMENTS, FINAL CERTIFICATIONS, AND SIMILAR DOCUMENTS.
  - 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.
  - SUBMIT TESTING, ADJUSTING, AND BALANCING RECORDS.
  - SUBMIT CHANGEOVER INFORMATION RELATED TO OWNER'S OCCUPANCY, USE, OPERATION, AND MAINTENANCE.
  - ALL CLOSE OUT DOCUMENTS TO BE SUBMITTED TO OWNER BY SINGLE THUMB DRIVE

## C. FINAL CLEANING

- 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.
- 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.
- 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.
- VACUUM CARPET AND SIMILAR SOFT SURFACES, REMOVING DEBRIS AND EXCESS NAP; CLEAN ACCORDING TO MANUFACTURER'S RECOMMENDATIONS IF VISIBLE SOIL OR STAINS REMAIN.
- 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.
- CLEAN PLUMBING FIXTURES TO A SANITARY CONDITION, FREE OF STAINS, INCLUDING STAINS RESULTING FROM WATER EXPOSURE.

## OPERATIONS AND MAINTENANCE DATA:

- SUBMIT EACH MANUAL IN FINAL FORM PRIOR TO REQUESTING INSPECTION FOR SUBSTANTIAL COMPLETION AND AT LEAST 10 DAYS BEFORE COMMENCING DEMONSTRATION AND TRAINING.
- 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.
- 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.
  - 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.
  - 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.
- 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.
  - TITLE PAGE SHALL INCLUDE:
    - SUBJECT MATTER INCLUDED IN MANUAL.
    - DATE OF SUBMITTAL.
    - NAME AND CONTACT INFORMATION FOR CONTRACTOR AND CONSTRUCTION MANAGER WHEN APPLICABLE.
    - NAME AND CONTACT INFORMATION FOR COMMISSIONING AUTHORITY.
  - 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.
  - 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.
  - 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.
  - 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:

- 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.
- 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.
- 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:

- 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.
- ENGAGE QUALIFIED INSTRUCTORS TO INSTRUCT OWNER'S PERSONNEL TO ADJUST, OPERATE, AND MAINTAIN SYSTEMS, SUBSYSTEMS, AND EQUIPMENT NOT PART OF A SYSTEM.
- PROVIDE INSTRUCTION AT MUTUALLY AGREED-ON TIMES. FOR EQUIPMENT THAT REQUIRES SEASONAL OPERATION, PROVIDE SIMILAR INSTRUCTION AT START OF EACH SEASON.
- 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.
- EVALUATION: AT CONCLUSION OF EACH TRAINING MODULE, ASSESS AND DOCUMENT EACH PARTICIPANT'S MASTERY OF MODULE BY USE A **DEMONSTRATION** PERFORMANCE-BASED TEST.
- 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 DWIGHT RICH FOOD SERVICE - EQUIPMENT REPLACEMENT & RENOVATIONS SO-1854

2600 HAMPDEN DR  
LANSING, MI 48911

MI ARCHITECTURE  
FIRM LICENSE # NLP000605



Engineering & Design

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PROJECT MANAGER: <b>C NORRIS</b>	DISCIPLINE LEAD: <b>B HUYLER</b>
DESIGNER: <b>C NORRIS</b>	REVIEWER:
DATE ISSUED: <b>3/13/26</b>	PROJECT NUMBER: <b>2501529A</b>
SHEET NAME:	

## GENERAL REQUIREMENTS

DRAWING NUMBER:

**A002**

NOTE: DO NOT SCALE DRAWING FOR CONSTRUCTION.

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.

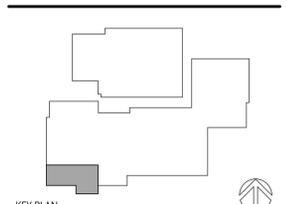


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REV	DATE	DESCRIPTION
3	03/13/26	BID PACK 2 - BIDS & PERMITS



LANSING SCHOOL DISTRICT

BID PACK 2  
DWIGHT RICH FOOD SERVICE  
- EQUIPMENT  
REPLACEMENT &  
RENOVATIONS SO-1854

2600 HAMPDEN DR  
LANSING, MI 48911

MI ARCHITECTURE  
FIRM LICENSE # NLP000605

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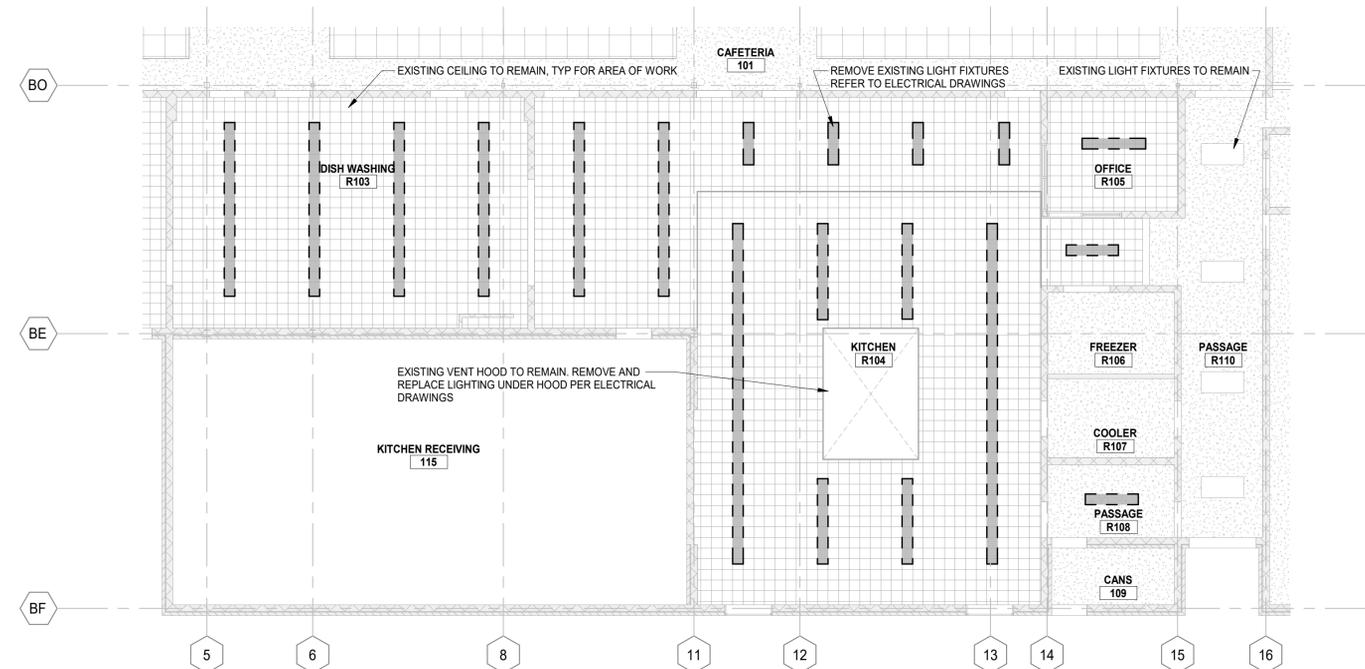
Colliers Engineering & Design,  
Architecture, Landscape Architecture,  
Surveying, CT F.C.

PROJECT MANAGER: C NORRIS	DISCIPLINE LEAD: B HUYLER
DESIGNER: E POST	REVIEWER:
DATE ISSUED: 3/13/26	PROJECT NUMBER: 2501529A

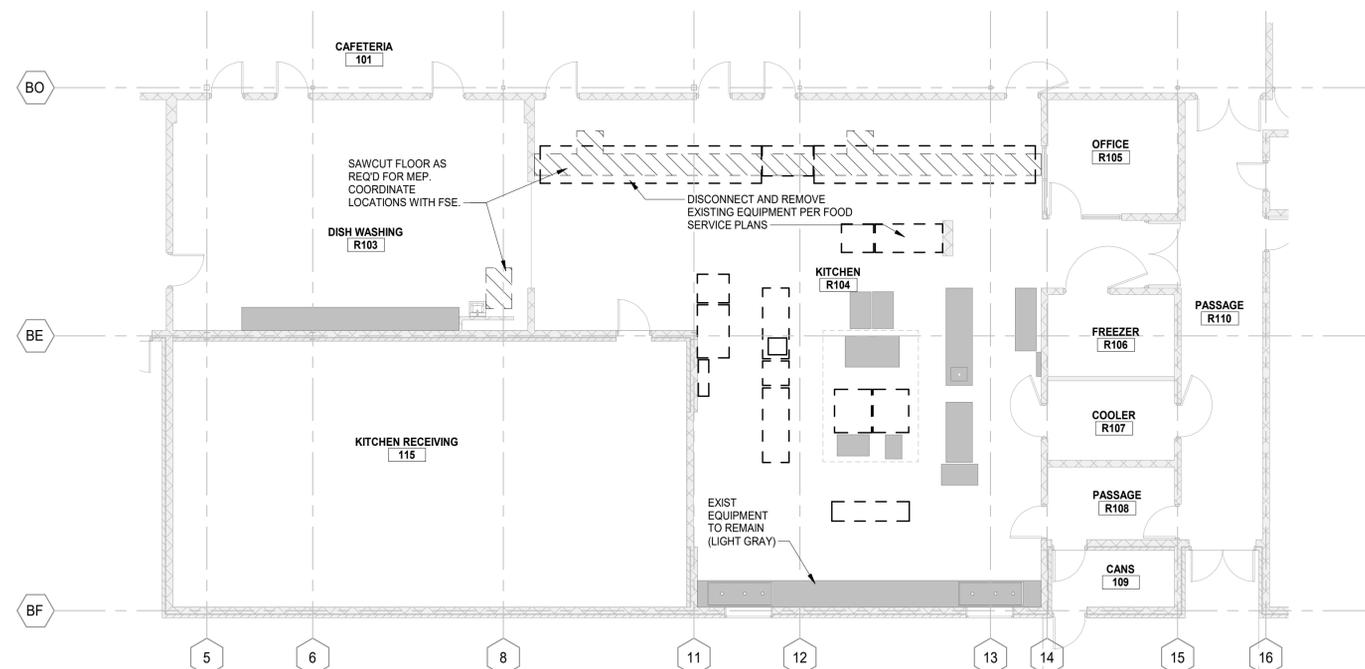
SHEET NAME:  
FIRST FLOOR AND  
CEILING DEMOLITION  
PLANS

DRAWING NUMBER:  
AD101

NOTE: DO NOT SCALE DRAWING FOR CONSTRUCTION.



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



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

### 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 TOE 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.

#### 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. GYPSUM BOARD AND PLASTER:
    - PRIMER: PROMAR 200 ZERO VOC INTERIOR LATEX PRIMER, B28W2600
      - 1. 4.0 MILS WET, 1.0 MILS DRY.
    - INTERMEDIATE COAT: MATCH TOPCOAT.
    - TOPCOAT: PROMAR 200 ZERO VOC INTERIOR LATEX EG-SHEL, B20-2600 SERIES.
      - 1. 4.0 MILS WET, 1.6 MILS DRY.
  - b. CMU:
    - PRIMER: EXTREME BOND PRIMER, B51 SERIES
      - 1. 3.1 MILS WET, .9 MILS DRY.
    - 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.
    - INTERMEDIATE COAT: MATCH TOPCOAT.
    - TOPCOAT: PRO INDUSTRIAL PRE-CAT EPOXY ED-SHEL, K45-2150 SERIES.
      - 1. 4.0 MILS WET, 1.6 MILS DRY PER COAT.
  - c. HOLLOW METAL FRAMES AND DOORS:
    - PRIMER: PRO INDUSTRIAL PRO CRYL UNIVERSAL PRIMER, B66-310 SERIES.
      - 1. 5.0 TO 10 MILS WET, 2.0 TO 4.0 MILS DRY.
    - INTERMEDIATE COAT: MATCH TOPCOAT.
    - TOPCOAT: PRO INDUSTRIAL ACRYLIC SEMI-GLOSS COAT, B66-650 SERIES.
      - 1. 2.5 TO 4.0 MILS DRY PER COAT.
- D. COLORS: REFER TO BASIS OF DESIGN.

ROOM FINISH SCHEDULE									
ROOM		FLOOR	BASE	WALL FINISH				CEILING FINISH	REMARKS
NUMBER	NAME			NORTH	EAST	SOUTH	WEST		
FIRST FLOOR									
R108	PASSAGE	EXIST	EXIST	-	-	-	-	PT-1	
R110	PASSAGE	EXIST	EXIST	-	-	-	-	PT-1	

### BASIS OF DESIGN

#### 09 91 23 INTERIOR PAINTING

PT-1 MANUFACTURER:	SHERWIN WILLIAMS
COLOR:	MATCH EXISTING
FINISH:	FLAT
LOCATION:	CEILING PATCHING

### CEILING PLAN KEYNOTES

- C1 PATCH AND REPAIR EXISTING PLASTER CEILING TO MATCH EXISTING
- C2 NEW SURFACE MOUNTED LIGHT FIXTURES TO EXISTING CEILING. REFER TO ELECTRICAL DRAWINGS.
- C3 NEW LIGHT FIXTURE AND WALL SWITCH. REFER TO ELECTRICAL DRAWINGS.
- C4 EXISTING RANGE HOOD TO REMAIN. NEW LIGHTING UNDER HOOD PER ELECTRICAL DRAWINGS.
- C5 NEW EM LIGHT OVER EXISTING PANEL. REFER TO ELECTRICAL DRAWINGS.

### FLOOR PLAN KEYNOTES

- A1 PATCH EXISTING FLOOR AND QUARRY TILE AS REQ'D DUE TO CONSTRUCTION
- A2 NEW EQUIPMENT. REFER TO FOOD SERVICE PLANS. COORDINATE WITH MEP DRAWINGS.
- A3 EXISTING EQUIPMENT (SHADED GRAY) TO REMAIN

### FINISH SYMBOL LEGEND

- XX# FLOOR FINISH
- XX# WALL BASE FINISH
- XX# FLOOR OR CEILING FINISH ONLY
- XF GENERAL WALL FINISH
- XF ACCENT WALL FINISH - TO EXTENTS
- XF WALL FINISH ABOVE WAINSCOT
- XF WAINSCOT FINISH
- XF WINDOW TREATMENT
- XF SIGNAGE TAG

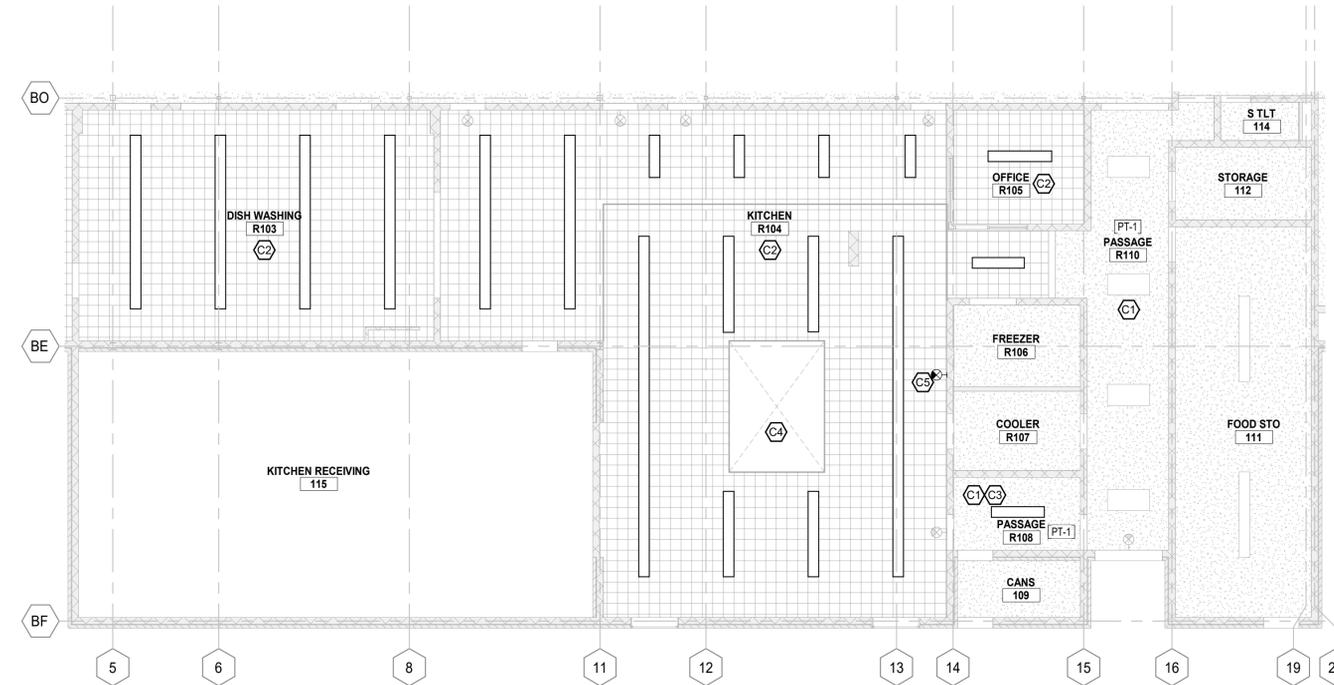
### CEILING LEGEND

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

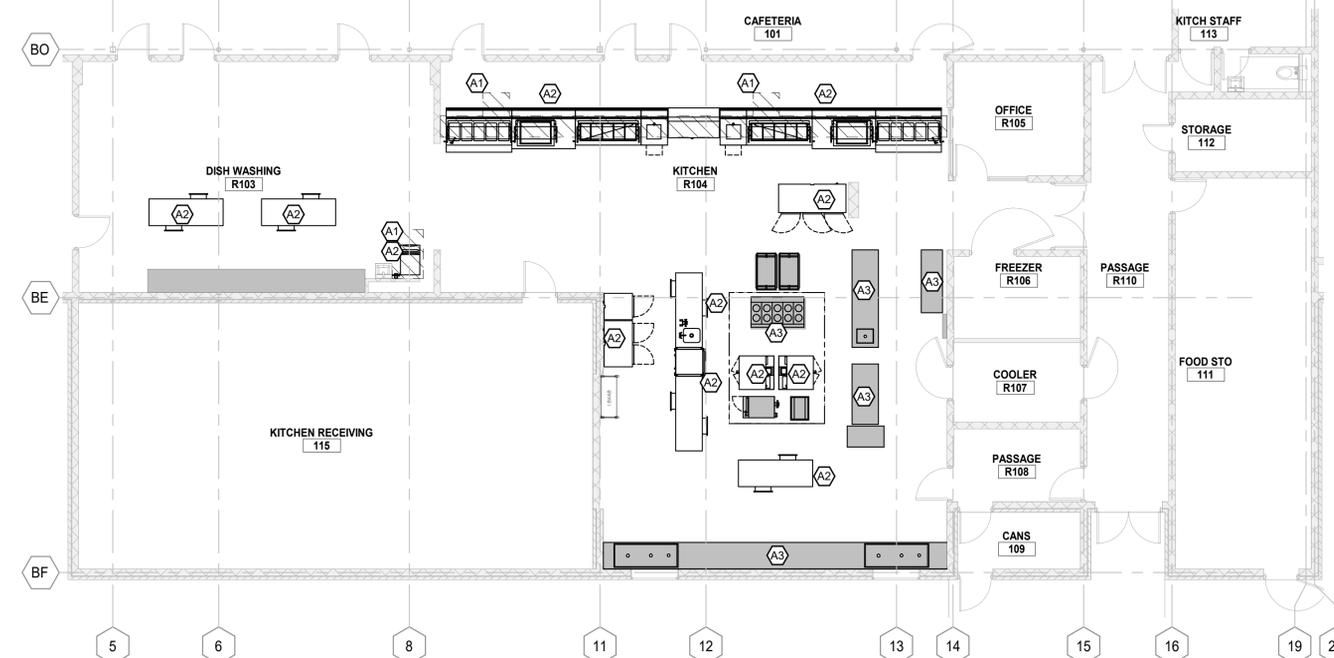
- EXISTING CEILING TILE
- EXISTING HARD LID CEILING

### GENERAL NOTES

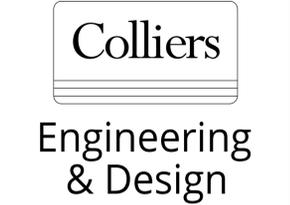
- A. REFER TO A001 SERIES DRAWINGS FOR SYMBOLS, NOTES, AND ADDITIONAL CODE INFORMATION.
- B. REFER TO AD100 SERIES DRAWINGS FOR DEMOLITION PLANS.



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

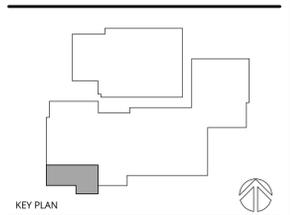


1 FIRST FLOOR PLAN  
SCALE: 1/8" = 1'-0"



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



### LANSING SCHOOL DISTRICT

**BID PACK 2**  
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MI ARCHITECTURE  
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DESIGNER: E POST	REVIEWER:
DATE ISSUED: 3/13/26	PROJECT NUMBER: 2501529A
SHEET NAME:	

### FIRST FLOOR AND CEILING PLANS

DRAWING NUMBER:  
**A101**

NOTE: DO NOT SCALE DRAWING FOR CONSTRUCTION.

**DEMO KEY NOTES**

- ① PLUMBING FIXTURE TO BE REPLACED ONE-FOR-ONE. DISCONNECT FROM EXISTING FIXTURE AND PREPARE CONNECTIONS TO NEW FIXTURE

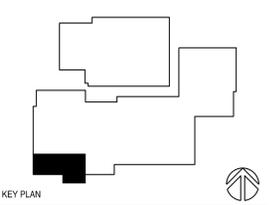
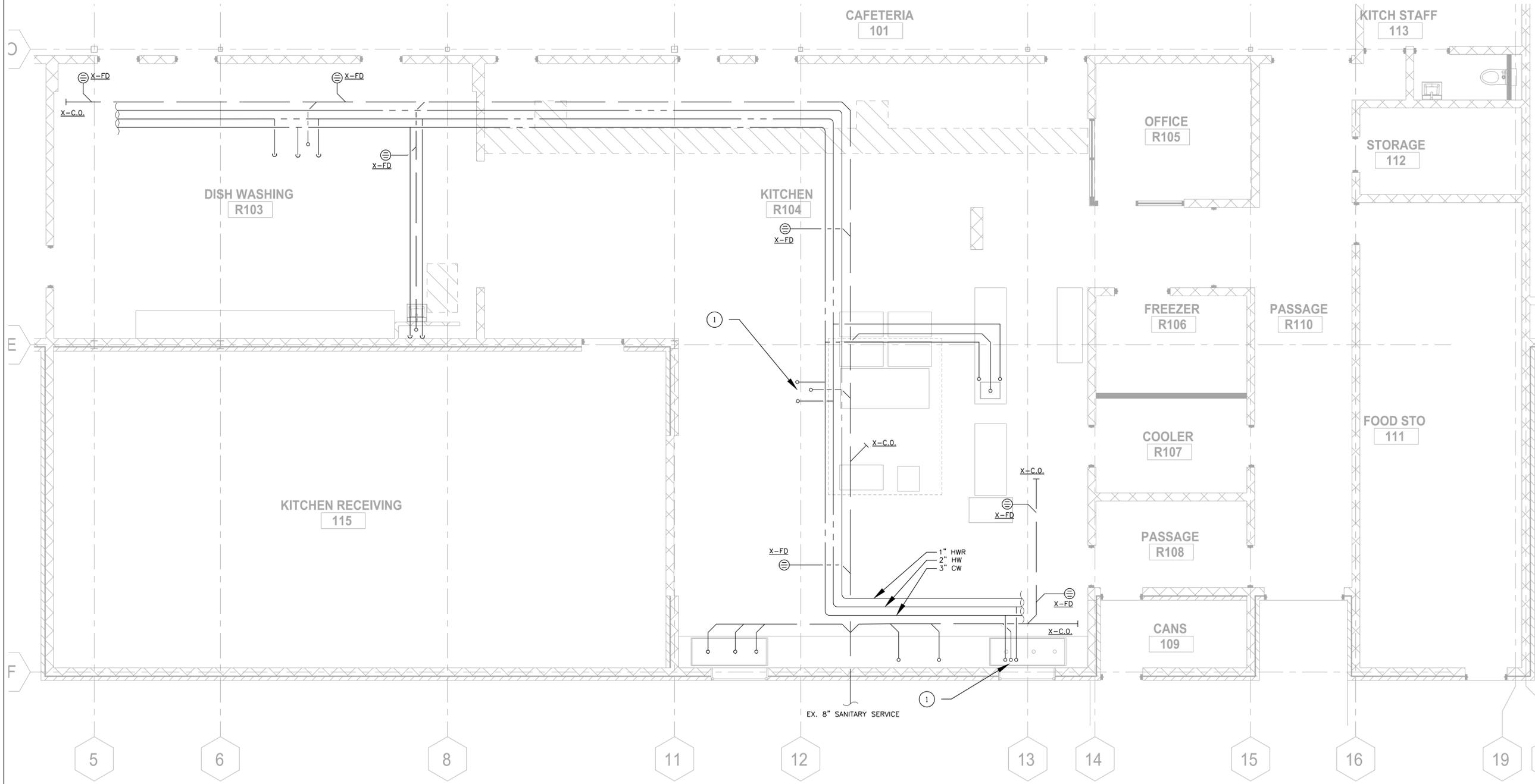


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REV	DATE	DESCRIPTION
1	03/16/26	BID PACK 2 - BIDS & PERMITS



**LANSING SCHOOL DISTRICT**

**BID PACK 2**  
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MI ARCHITECTURE  
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DESIGNER: <b>J FEISTRITZER</b>	REVIEWER: <b>L WOOD</b>
DATE ISSUED: 03/16/2026	PROJECT NUMBER: 2501529A
SHEET NAME:	

**FIRST FLOOR PLAN - PLUMBING DEMOLITION**  
 SCALE: 1/4" = 1'-0"

FLOOR PLAN - DEMOLITION  
 DRAWING NUMBER:  
**PD101**

NOTE: DO NOT SCALE DRAWING FOR CONSTRUCTION.

- PLUMBING NOTES**
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 ABBREVIATIONS**

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

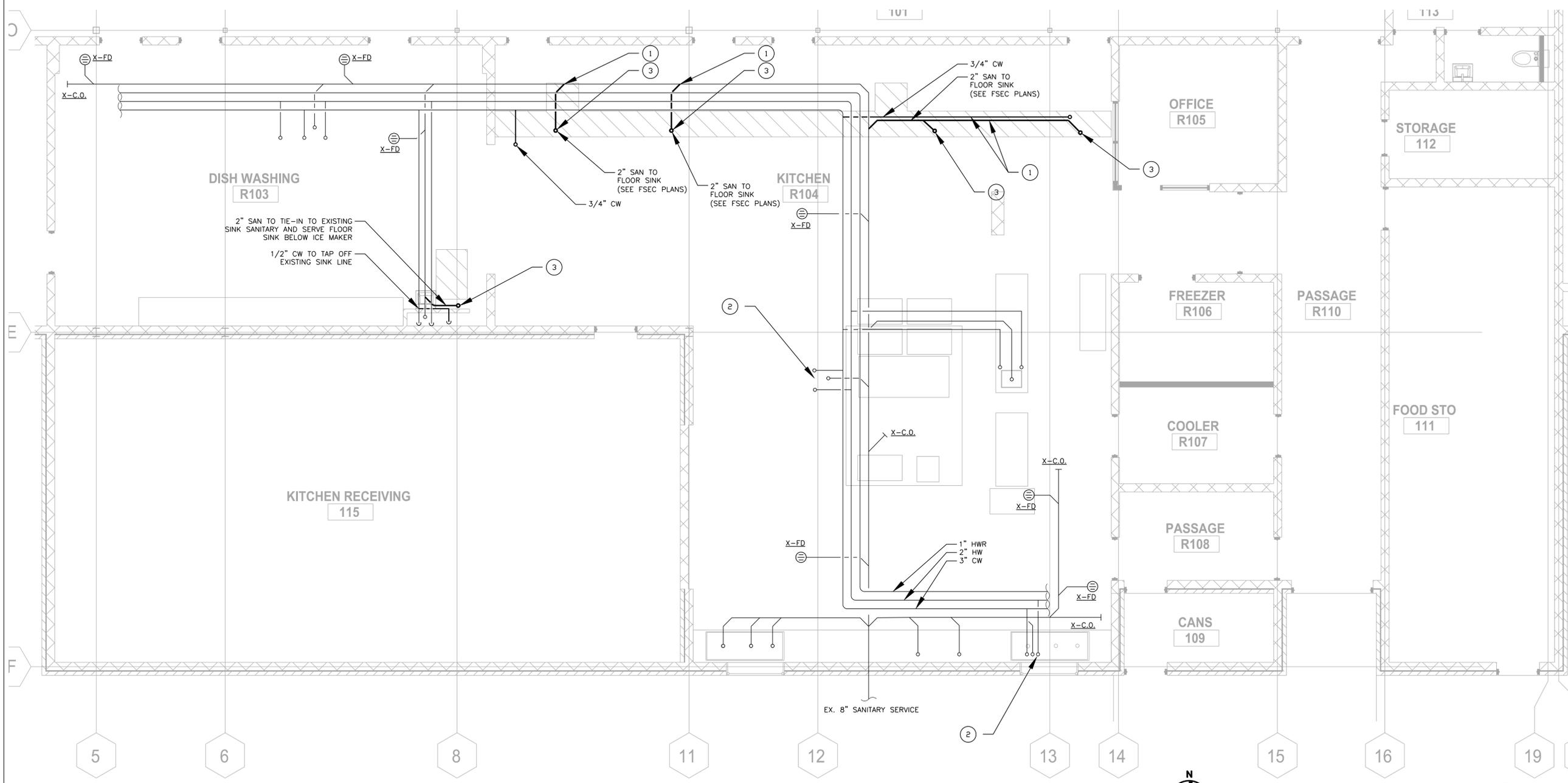


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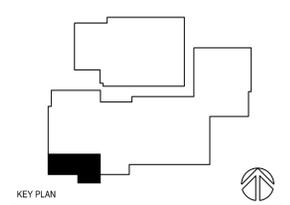
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REV	DATE	DESCRIPTION
1	03/16/2026	BID PACK 2 - BIDS & PERMITS



**FIRST FLOOR PLAN - PLUMBING**  
 SCALE: 1/4" = 1'-0"



**LANSING SCHOOL DISTRICT**  
**BID PACK 2**  
**DWIGHT RICH FOOD SERVICE - EQUIPMENT REPLACEMENT & RENOVATIONS SO-1854**  
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PROJECT MANAGER: <b>L WOOD</b>	DISCIPLINE LEAD: <b>L WOOD</b>
DESIGNER: <b>J FEISTRITZER</b>	REVIEWER: <b>L WOOD</b>
DATE ISSUED: 03/16/2026	PROJECT NUMBER: 2501529A
SHEET NAME:	

FLOOR PLAN - PLUMBING  
 DRAWING NUMBER:  
**P101**

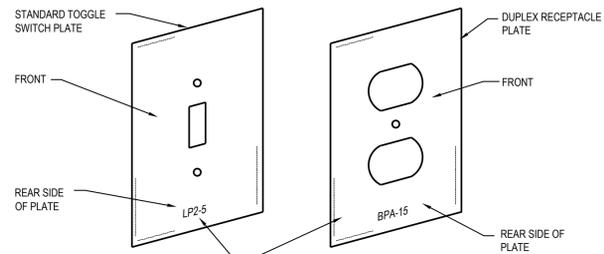
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ELECTRICAL SYMBOL LEGEND		
SYMBOL	DESCRIPTION	MTG. HT. TO Q.
S S3	SINGLE POLE OR 3-WAY SWITCH-SPECIFICATION GRADE	46"
S4	FOUR WAY SWITCH-SPEC. GRADE	46"
SK	KEY OPERATED SWITCH-SPEC. GRADE	46"
SD	DIMMER SWITCH	46"
S IR	IR SWITCH	46"
S IRD	IR SWITCH DIMMABLE	46"
SP	SWITCH WITH PILOT LIGHT	46"
SM	MANUAL MOTOR STARTER SWITCH	46"
OS	OCCUPANCY SENSOR	---
PC	PHOTO CELL	---
CS	CONTROL STATION	46"
DS	DAYLIGHT SENSOR	---
C	SPLIT WIRED RECEPTACLE C- DENOTES CONTROLLED VIA RELAY OR OCC SENSOR	18"
WR	WATER RESISTANT GROUND FAULT CIRCUIT INTERRUPTER WITH 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
▽	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	---
Ⓛ	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 NSOKP. PROVIDE CONNECTOR PLATE FOR AV	AS NOTED
Ⓛ	JUNCTION BOX -4" SQ. BOX W/ 2 GANG RAISED COVER. 1" C. UP WALL TO CLG. SPACE UNLESS OTHERWISE NOTED	AS NOTED
P	POWER POLE - SEE DRAWING FOR POWER - POWER/DATA SPECIFICATIONS	---
M	ELECTRIC UTILITY METER	---
F	FUSED DISCONNECT SWITCH- FDS-HEAVY DUTY	46"
F	NON-FUSED DISCONNECT SWITCH- NFDS-HEAVY DUTY	46"
F	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 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	---

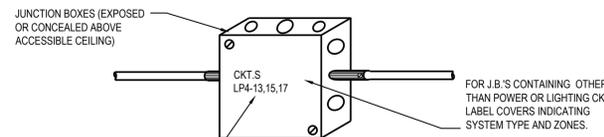
SYMBOL NOTES:  
 1. "AC" DENOTES ABOVE COUNTER. COORDINATE HEIGHT WITH ARCHITECT.  
 2. "H" DENOTES HORIZONTAL MOUNTING OF DEVICE.  
 3. "B" DENOTES MOUNTED IN BASE.  
 4. "F" DENOTES MOUNTED IN FACE OF CABINETS.

SYSTEMS SYMBOL LEGEND		
SYMBOL	DESCRIPTION	MTG. HT. TO Q.
F	FIRE ALARM PULL STATION	46"
WP	FIRE ALARM HORN/STROBE LIGHT (WP-DENOTES WEATHER PROOF)	80"
P	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	---
F/SD	FIRE/SMOKE DAMPER	---
F.A.C.P.	FIRE ALARM CONTROL PANEL	---
F.A.A.	FIRE ALARM ANNUCIATOR 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.



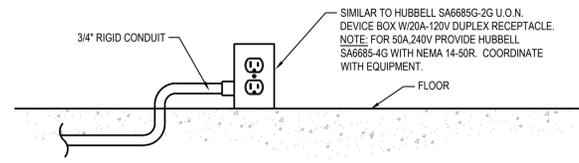
LABEL CKT. NO. OF EACH DEVICE ON REAR SIDE OF COVER PLATE. USE PERMANENT MARKER PEN, BRADY MARKING SYSTEM OR OTHER METHOD APPROVED BY THE ENGINEER



LABEL COVERS WITH CKT.'S CONTAINED WITHIN. USE PERMANENT MARKER PEN OR OTHER APPROVED METHOD.

**A-1 ELECTRICAL IDENTIFICATION**  
 E1.00 N.T.S.

LABEL EXAMPLES:  
 "FIRE ALARM-ZONES 2&3"  
 "P.A. ZONES 4,5,6&7"  
 "DATA CIRCUITS A&B"  
 "EMERG. SIGNS-EM&Z"  
 "EMERG. CKTS. BPEM-3,4"



**A-2 SURFACE MOUNT KITCHEN FLOOR BOX DETAIL**  
 E1.00 N.T.S.

**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.

**26-219 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**

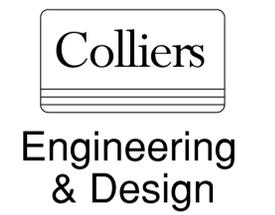
- THE ELECTRICAL CONTRACTOR SHALL FURNISH AND/OR INSTALL ALL FIXTURES WITH LAMPS, AS SHOWN ON THE DRAWINGS AND AS LISTED IN THE FIXTURE LEGEND. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR INSTALLING ADEQUATE SUPPORTING FACILITIES FOR THE LIGHTING SYSTEM.
- WHERE RECESSED FIXTURES ARE INSTALLED IN CEILINGS 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: ACUTY, COOPER, HUBBELL AND LEVITON.

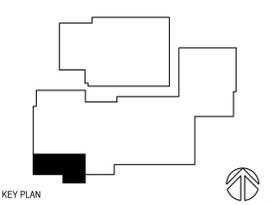


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REV	DATE	DESCRIPTION
1	03/16/2026	BID PACK 2 - BIDS & PERMITS



**LANSING SCHOOL DISTRICT**

**BID PACK 2**  
**DWIGHT RICH FOOD SERVICE**  
**- EQUIPMENT REPLACEMENT & RENOVATIONS SO-1854**  
 2600 HAMPDEN DR  
 LANSING, MI 48911

MI ARCHITECTURE  
 FIRM LICENSE # NL000605



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PROJECT MANAGER: L. WOOD  
 DISCIPLINE LEAD: C. LADEWIG  
 DESIGNER: C. LADEWIG  
 REVIEWER:  
 DATE ISSUED: 03/16/2026  
 PROJECT NUMBER: 2501529A  
 SHEET NAME:

**DETAILS, SYMBOL LEGEND AND SPECIFICATIONS**

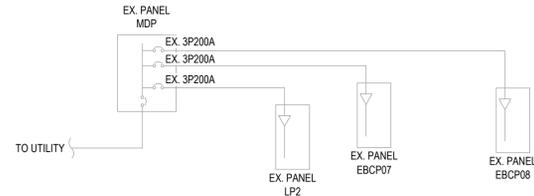
DRAWING NUMBER:  
**E1.00**

**TYPICAL AMPERAGE/CONDUCTOR SIZES FOR ONE-LINE**

SERVICE FEEDERS (COPPER)	
1	60A 4-#4-#10G, 1-1/4" C
2	100A 4-#1-#8G, 1-1/2" C
3	125A 4-#2-#8G, 2" C
4	150A 4-#3-#8G, 2" C
5	200A 4-#250kcmil, 2-1/2" C
6	225A 4-#300kcmil, 3" C
7	400A (2)4-#250kcmil, 2-1/2" C
8	600A (2)4-#500kcmil, 3" C
9	800A (3)4-#400kcmil, 3-1/2" C
10	1200A (4)4-#500kcmil, 3-1/2" C
11	1400A (5)4-#500kcmil, 3-1/2" C
12	1600A (6)4-#400kcmil, 3" C
13	2000A (7)4-#500kcmil, 3-1/2" C
14	2500A (9)4-#500kcmil, 3-1/2" C
BRANCH FEEDERS - 3 WIRE (COPPER)	
15	30A 3-#10-#10G, 3/4" C
16	40A 3-#8-#10G, 3/4" C
17	60A 3-#6-#10G, 3/4" C
18	80A 3-#4-#8G, 3/4" C
19	100A 3-#3-#8G, 1" C
20	125A 3-#1-#6G, 1-1/2" C
21	200A 3-#4/0-#4G, 2" C
22	225A 3-#4/0-#4G, 2" C
BRANCH FEEDERS - 4 WIRE (COPPER)	
23	60A 4-#6-#10G, 1" C
24	100A 4-#3-#8G, 1-1/4" C
25	125A 4-#1-#6G, 1-1/2" C
26	150A 4-#1/0-#6G, 1-1/2" C
27	175A 4-#2/0-#6G, 2" C
28	200A 4-#4/0-#4G, 2-1/2" C
29	250A 4-#250kcmil-#4G, 2-1/2" C
30	400A 4-#600kcmil-#3G, 3-1/2" C
31	600A (2)4-#350kcmil-#1G, 3" C
32	800A (2)4-#600kcmil-#10G, 4" C
33	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.
- PROVIDE HAZARD LABELS PER CODE MEETING ANSI Z535.4.
- ELECTRICAL CONTRACTOR SHALL PROVIDE ALL DISCONNECTS (HEAVY DUTY) AND FUSES UNLESS OTHERWISE NOTED. COORDINATE WITH MECHANICAL EQUIPMENT FOR EXACT FUSE SIZES. PROVIDE 3 SPARE FUSES OF EACH SIZE TO BE TURNED OVER TO OWNER.
- ALL PANELS ARE EXISTING AND SHALL BE REUSED FOR THIS PROJECT. ELECTRICAL CONTRACTOR SHALL PROVIDE NEW TYPED PANEL SCHEDULES FOR ALL PANELS USED.



**EXISTING PARTIAL 277/480V- 3Ø-4W ONE LINE**  
NOT TO SCALE

EX EBCP 08																			
BASED ON S.Q.D. I-LINE OR EQUAL																			
CKT NO.	VOLT AMPS					DESCRIPTION	CKT BRKR	L	CKT BRKR	DESCRIPTION	VOLT AMPS								
	LTG.	MTRS.	HVAC	KITCH.	REC.						OTHER	LTG.	MTRS.	HVAC	KITCH.	REC.	OTHER		
1					2000	EX N COOK COUNTER	202	A	202	EX FRIDGE				2500			2		
3								B									4		
5					2500	EX REACH IN FRIDGE	202	C	302	HOT FOOD TABLE+				5907			6		
7								A									8		
9								15	B	302	HOT FOOD TABLE+			5907			10		
11					3000	EX SINK DISP	202	C									12		
13								A	202	EX HOT CART				1200			14		
15					2500	EX FANS	202	B									16		
17								C	202	EX CIRCUIT				4000			18		
19					2500	EX CIRCUIT	202	A									20		
21								B	202	EX WALK IN				3500			22		
23					1200	EX CIRCUIT	15	C									24		
25					1200	EX CIRCUIT	202	A	152	EX CIRCUIT				2500			26		
27								B									28		
29					300	POS+	20	C	20	POS +					300		30		
31						SPACE		A	20	COLD TABLE +				1140			32		
33						EX CIRCUIT	20	B	20	COLD TABLE +				1140			34		
35					900	ICE MAKER +	202	C	20	DROP IN FROST TOP				288			36		
37								A	20	DROP IN FROST TOP				288			38		
39					1200	EX CIRCUIT	30	B		SPACE							40		
41						SPACE		C	30	EX CIRCUIT							42		
SUBT	0	0	0	17000	300	0							0	0	0	28370	300	0	SUBT
TOTAL LOAD	45,970 VA					DIVERSITY					VOLTS: 208Y/120								
LTG.=	0					125%					3								
MOTORS=	0					0%					125%LRGST + 100%								
HVAC=	0					100%					0								
KITCH.=	45,370 VA					65%					29,491 VA								
*RECEPT=	600 VA					100%					50%>10kVA								
OTHER=	0					100%					600 VA								
TOTAL DIV. LOAD=						30,091 VA					0								
LINE AMPS=						84 A													
LINE AMPS X 1.25=						104 A													
NOTES:																			
* PROVIDE SHUNT TRIP BREAKER AND INTEGRATE WITH HOOD																			
+ GFI BREAKER																			
22KAIC FULLY RATED																			

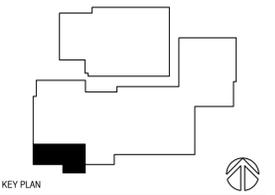


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REV	DATE	DESCRIPTION
1	03/16/2026	BID PACK 2 - BIDS & PERMITS



**LANSING SCHOOL DISTRICT**

**BID PACK 2**  
**DWIGHT RICH FOOD SERVICE - EQUIPMENT REPLACEMENT & RENOVATIONS SO-1854**  
2600 HAMPDEN DR  
LANSING, MI 48911

MI ARCHITECTURE  
FIRM LICENSE # NL0000605



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PROJECT MANAGER: **L. WOOD**  
DESIGNER: **C. LADEWIG**  
DATE ISSUED: **03/16/2026**  
SHEET NAME:

DISCIPLINE LEAD: **C. LADEWIG**  
REVIEWER:  
PROJECT NUMBER: **2501529A**

**ONE-LINE DIAGRAM**

DRAWING NUMBER: **E2.00**

NOTE: DO NOT SCALE DRAWING FOR CONSTRUCTION.



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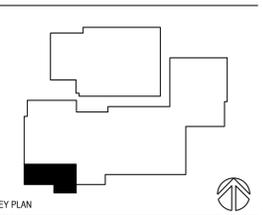
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1	03/16/26	BID PACK 2 - BIDS & PERMITS

### DEMOLITION POWER KEYNOTES:

- 1 REMOVE EXISTING LIGHT FIXTURES. MAINTAIN EXISTING CIRCUIT FOR NEW FIXTURE INSTALLATION. DISPOSE OF AT A LEGAL RECYCLING FACILITY
- 2 REMOVE SWITCH. UTILIZE BOX FOR NEW SWITCH.
- 3 NO WORK IN THIS AREA.

### GENERAL LIGHTING DEMOLITION NOTES:

- 1. FIELD VERIFY EXISTING CONDITIONS. NOTIFY ENGINEER OF ANY DISCREPANCIES.



## LANSING SCHOOL DISTRICT

**BID PACK 2**  
**DWIGHT RICH FOOD SERVICE**  
**- EQUIPMENT**  
**REPLACEMENT &**  
**RENOVATIONS SO-1854**  
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 DATE ISSUED: **03/16/2026**  
 PROJECT NUMBER: **2501529A**  
 SHEET NAME:

**FIRST FLOOR AND CEILING PLAN - DEMOLITION**  
 SCALE: 1/4" = 1'-0"

FLOOR PLAN - DEMOLITION

DRAWING NUMBER: **ED101**

NOTE: DO NOT SCALE DRAWING FOR CONSTRUCTION.

LIGHT FIXTURE LEGEND									
FIXTURE TYPE	DESCRIPTION	MANU.	CATALOG PART#	FINISH	VOLTAGE	LAMPS	Wattage	REMARKS	
A1	1' x 4' LED WRAP AROUND NO BATTERY	ACUITY COOPER COLUMBIA	FMLVL 48 840 2T MVOLT	WHITE	MVOLT	LED 4500 LM	36W	1.2	
B1	JELLY JAR HOOD LIGHT JELLY JAR /VAPOR TIGHT	KILLARK	VTR-1		120V	LED 3000K		1.2	
E1	EXIT SIGN NO BATTERY	ACUITY SURE LITES DUAL LITE	LHQM LED WR	WHITE	MOVLT	LED		1.2	
EM1	EMERGENCY LIGHT BATTERY REQUIRED	ACUITY SURE LITES DUAL LITE	ELM4L	WHITE	MOLT	LED		1.2	

GENERAL LIGHT FIXTURE SCHEDULE NOTES:  
 1. VERIFY LIGHT FIXTURE FINAL SELECTION AND SPECIFICATIONS WITH OWNER AND ARCHITECT PRIOR TO ORDERING.  
 2. EQUAL FIXTURES BY LITHONIA, METALUX, DAYBRITE OR OTHER PREEAPPROVED MANUFACTURER'S ARE ACCEPTABLE.

**LIGHTING KEY NOTES:**

- ◇ NO WORK IN THIS AREA.
- ◇ PROVIDE NEW LIGHT SWITCHES. REUSE EXISTING CIRCUIT.
- ◇ PROVIDE NEW FIXTURE. REUSE EXISTING CIRCUIT MADE AVAILABLE DURING DEMOLITION. MAINTAIN EXISTING LIGHTING CONTROLS, UNLESS OTHERWISE SHOWN.
- ◇ EXISTING WALL MOUNTED EXIT LIGHTS TO REMAIN.
- ◇ EXTEND CIRCUIT FROM KITCHEN LIGHTS FOR STORAGE ROOM.
- ◇ REPLACE EXISTING LIGHTS UNDER HOOD ONE FOR ONE. FIELD VERIFY EXACT SIZE AND COUNTS OF FIXTURES.

**GENERAL LIGHTING NOTES:**

1. LIGHTING CONTROL SHALL COMPLY WITH 2021 MICHIGAN ENERGY CODE WHERE APPLICABLE.
2. FIELD VERIFY EXISTING CONDITIONS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
3. SCHOOL POWER IS BACKED UP BY AN EXISTING GENERATOR.



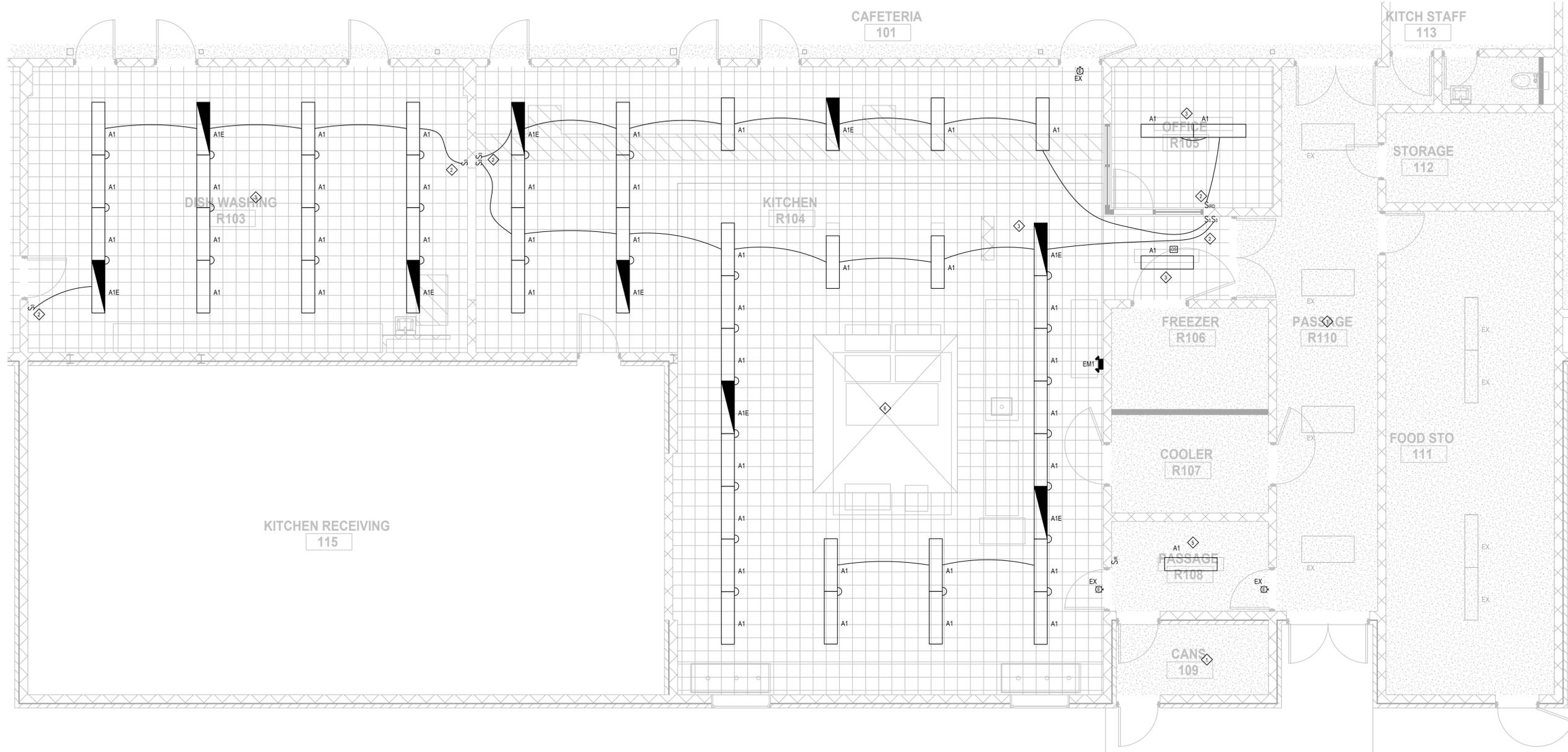
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REV	DATE	DESCRIPTION
1	03/16/26	BID PACK 2 - BIDS & PERMITS



**FIRST FLOOR PLAN - LIGHTING**  
 SCALE: 1/4" = 1'-0"

**LANSING SCHOOL DISTRICT**

**BID PACK 2**  
**DWIGHT RICH FOOD SERVICE**  
**- EQUIPMENT**  
**REPLACEMENT &**  
**RENOVATIONS SO-1854**  
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PROJECT MANAGER: <b>L. WOOD</b>	DISCIPLINE LEAD: <b>C. LADEWIG</b>
DESIGNER: <b>C. LADEWIG</b>	REVIEWER: <b>E. WOOD</b>
DATE ISSUED: 03/16/2026	PROJECT NUMBER: 2501529A
SHEET NAME:	

FLOOR PLAN - LIGHTING

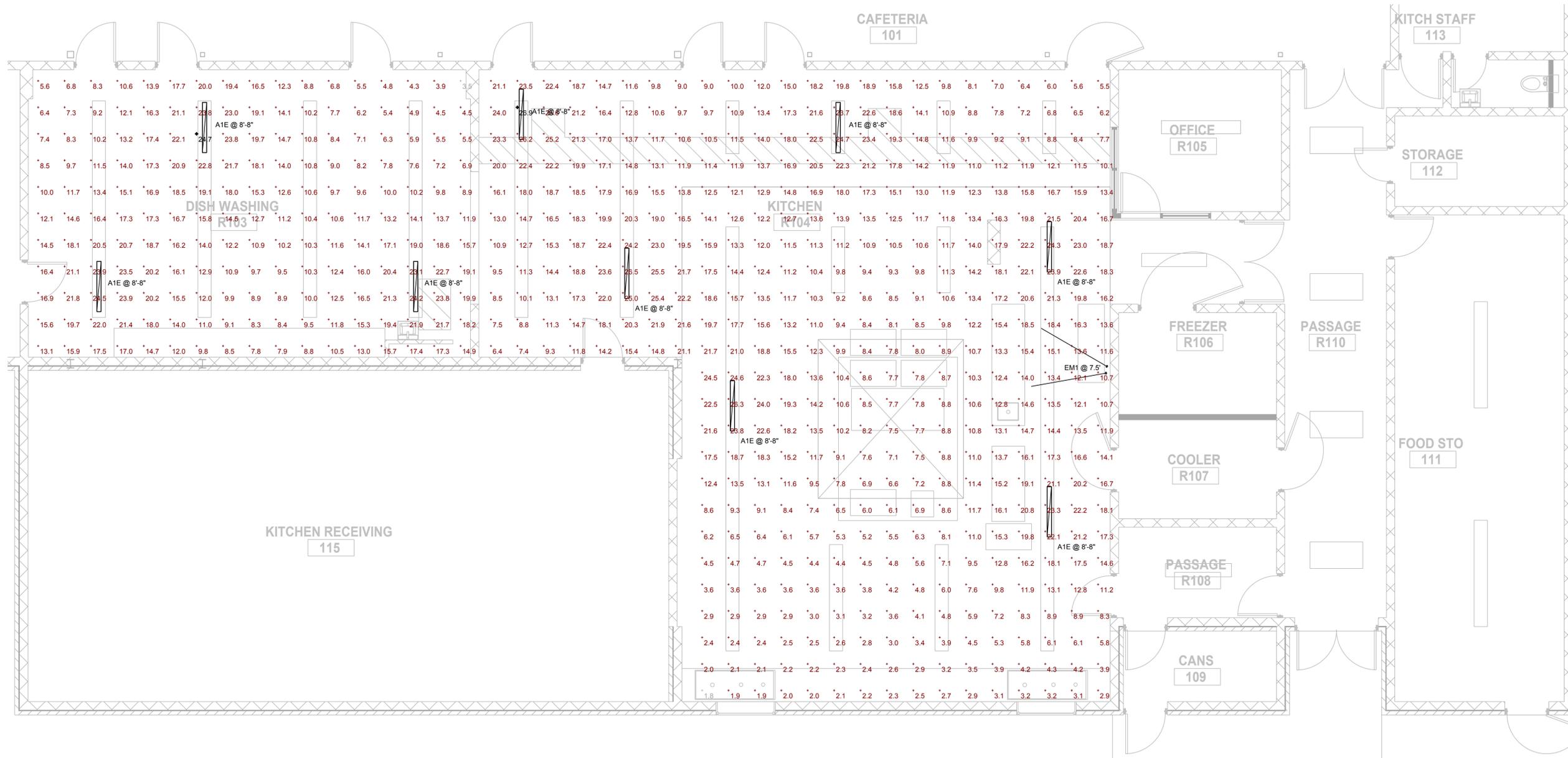
DRAWING NUMBER:  
**EL101**

NOTE: DO NOT SCALE DRAWING FOR CONSTRUCTION.

BY EC	BY FSEC	APP (in)	REMARKS
X		72	
X		5	PEDESTAL MOUNTED JUNCTION BOX BY TRADES
	X	90	
	X	90	
X		DFA	TWIST LOCK DROP CORD ASSEMBLY BY TRADES
X		16	
X		5	PEDESTAL MOUNTED RECEPTACLE BY TRADES
X		5	PEDESTAL MOUNTED RECEPTACLE BY TRADES
X		5	PEDESTAL MOUNTED JUNCTION BOX BY TRADES
X		5	PEDESTAL MOUNTED RECEPTACLE BY TRADES
X		5	INTERWIRE TO OFFICE/CPU - VIF

Symbol	Label	Image	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	LLF	Input Power	Polar Plot
	A1E		9	Acuity	FMLWL 48 840 ZT MVOLT	FMLWL 48 840 MVOLT - Leederson 23JUN23	1	4550	1	36	
○	EM1		1	Lithonia Lighting	ELMML	ELMML SP640L	1	345	1	2.5	

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
KITCHEN 104	+	12.4 fc	26.9 fc	1.8 fc	14.9:1	6.9:1
DISHWASHING 103	+	13.8 fc	24.7 fc	3.5 fc	7.1:1	3.9:1



**FIRST FLOOR PLAN - PHOTOMETRICS**  
SCALE: 1/4" = 1'-0"



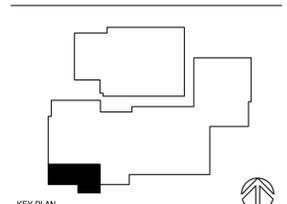
Classic Engineering, LLC  
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www.classicengineering.com  
Project # 2025412



**Engineering & Design**

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



**LANSING SCHOOL DISTRICT**

**BID PACK 2  
DWIGHT RICH FOOD SERVICE - EQUIPMENT  
REPLACEMENT &  
RENOVATIONS SO-1854**  
2600 HAMPDEN DR  
LANSING, MI 48911

MI ARCHITECTURE  
FIRM LICENSE # NL000605



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DESIGNER: **C. LADEWIG**  
REVIEWER: **E. WOOD**  
DATE ISSUED: 03/16/2026  
PROJECT NUMBER: 2501529A  
SHEET NAME:

FLOOR PLAN - PHOTOMETRICS

DRAWING NUMBER: **EL 102**



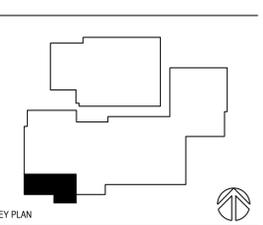
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REV	DATE	DESCRIPTION
1	03/16/26	BID PACK 2 - BIDS & PERMITS



## LANSING SCHOOL DISTRICT

**BID PACK 2**  
**DWIGHT RICH FOOD SERVICE**  
**- EQUIPMENT**  
**REPLACEMENT &**  
**RENOVATIONS SO-1854**  
 2600 HAMPDEN DR  
 LANSING, MI 48911

MI ARCHITECTURE  
 FIRM LICENSE # NL000605



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DATE ISSUED: 03/16/2026	PROJECT NUMBER: 2501529A
SHEET NAME:	

FLOOR PLAN - POWER

DRAWING NUMBER:  
EP101

NOTE: DO NOT SCALE DRAWING FOR CONSTRUCTION.

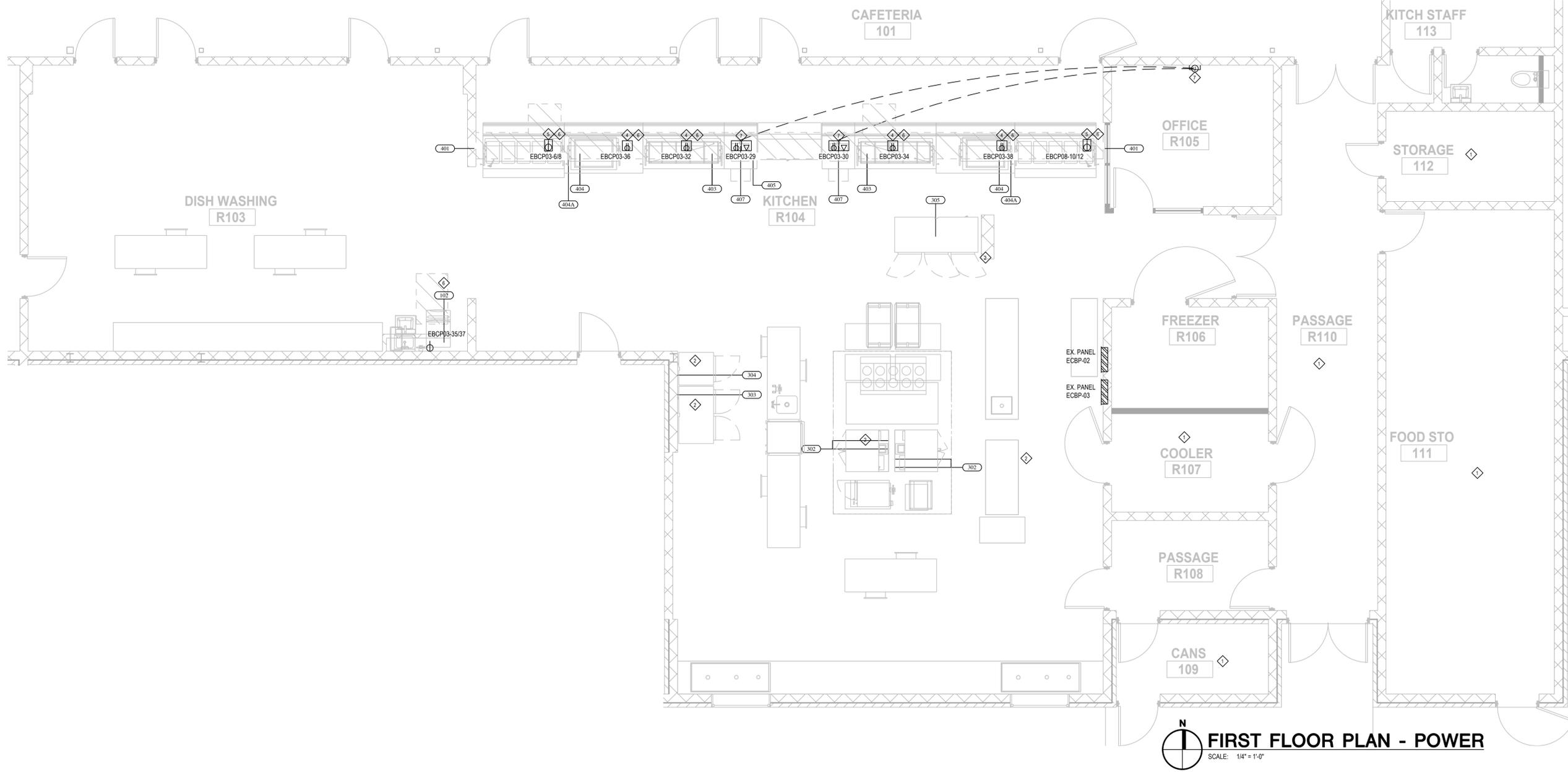
EQUIPMENT SCHEDULE								
Item	EQUIPMENT DESCRIPTION	VOLTS	PH	AMPS LOAD	DIRECT BY EC	CORDSET BY FSEC	AFF (in)	REMARKS
102	ICE MAKER W/ BIN	208	1	5.9	X		72	
302	CONVECTION OVEN - DOUBLE DECK	208	3	34.0	X		5	PEDESTAL MOUNTED JUNCTION BOX BY TRADES
303	FREEZER	120	1	11.2		X	90	
304	REFRIGERATOR	120	1	4.9		X	90	
305	REFRIGERATOR	120	1	8.4		X	DFA	TWIST LOCK DROP CORD ASSEMBLY BY TRADES
401	HOT FOOD TABLE	120/208	1	28.4		X	16	
403	COLD FOOD TABLE	120	1	9.5		X	5	PEDESTAL MOUNTED RECEPTACLE BY TRADES
404	DROP-IN FROST TOP	120	1	2.4		X	5	PEDESTAL MOUNTED RECEPTACLE BY TRADES
404A	SNEEZE GUARD	120	1	1.0	X		5	PEDESTAL MOUNTED JUNCTION BOX BY TRADES
405	MILK COOLER	120	1	3.3		X	5	PEDESTAL MOUNTED RECEPTACLE BY TRADES
407	CASH REGISTER/POS - BY OWNER	120	1	10.0		X	5	INTERWIRE TO OFFICE/CPU - VIF

**POWER KEYNOTES:**

- ◇ NO WORK IN THIS AREA.
- ◇ REUSE EXISTING CIRCUIT. FIELD VERIFY.
- ◇ NEW EXHAUST LOCATED ON ROOF. PROVIDE NEW GFCI RECEPTACLE IN WEATHER TIGHT ENCLOSURE IF THERE IS NOT ONE EXISTING WITHIN 25 FEET.
- ◇ UTILIZE NEW TRENCH IN CONCRETE TO RUN CONDUITS FOR NEW EQUIPMENT. PROVIDE NEMA 5-20 RECEPTACLES IN SURFACE MOUNT TOMBSTONE STYLE BOX. REFER TO SHEET E1.00.
- ◇ UTILIZE NEW TRENCH IN CONCRETE TO RUN CONDUITS FOR NEW EQUIPMENT. PROVIDE NEMA 6-20 RECEPTACLES IN SURFACE MOUNT TOMBSTONE STYLE BOX. REFER TO SHEET E1.00.
- ◇ PROVIDE GFCI CIRCUIT BREAKERS FEEDING EQUIPMENT. REFER TO PANEL SCHEDULES.
- ◇ EMPTY 3/4" CONDUIT FROM CASH REGISTER TO JUNCTION BOX AT DESK BY TRADES. CONDUIT FOR DATA CABLE SUPPLIED & INSTALLED BY CASH REGISTER SYSTEMS PURVEYOR.

**GENERAL POWER NOTES:**

1. REPLACE EXISTING RECEPTACLES WITH NEW 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. ALL NEW DEVICES SHALL BE TAMPER RESISTANT.
2. MOUNT PANELS, TRANSFORMERS, DISCONNECT SWITCHES, AND COMBINATION MOTOR STARTERS WITH ADEQUATE CLEARANCES IN ACCORDANCE WITH NEC 110.
3. VERIFY ALL KITCHEN EQUIPMENT REQUIREMENTS, CONNECTION TYPES, AND LOCATIONS WITH KITCHEN EQUIPMENT SUPPLIER AND NAMEPLATES PRIOR TO ROUGH-IN.
4. EXISTING EQUIPMENT TO BE REPLACED WITH NEW SHALL BE DISCONNECTED AND RECONNECTED. FIELD VERIFY REQUIREMENTS ARE THE SAME, UNLESS NEW CIRCUIT IS SHOWN.
5. FIELD VERIFY CIRCUITS IN EXISTING PANELS CORRESPOND.





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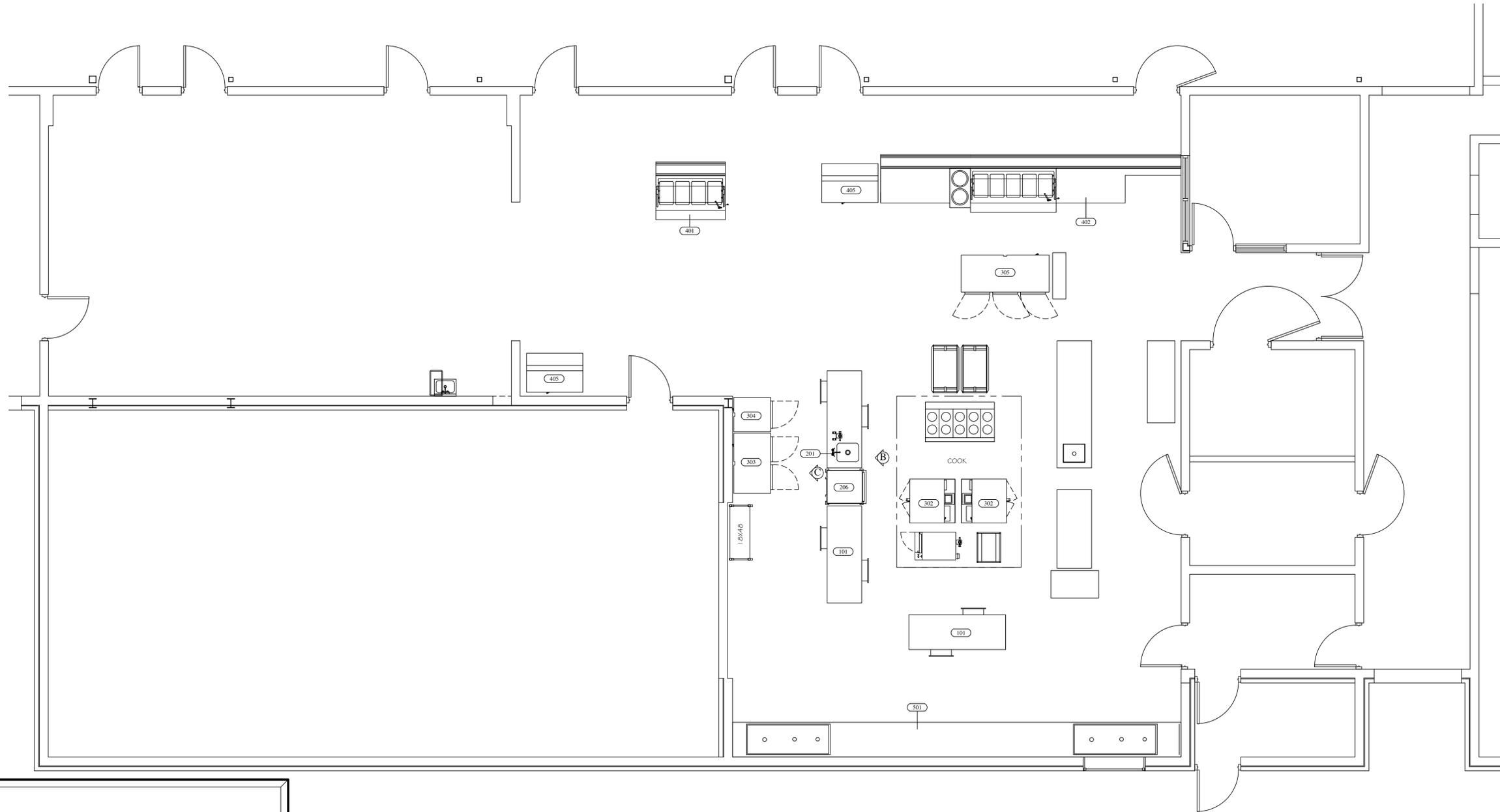
**SHEET TITLE:**  
FOOD SERVICE  
EQUIPMENT  
DEMOLITION PLAN  
SCALE 1/4" = 1'-0"

DATE CODE	PROJECT PHASE	BY
03/13/26 LSDDR6DEMO	BIDS BP #2	JR

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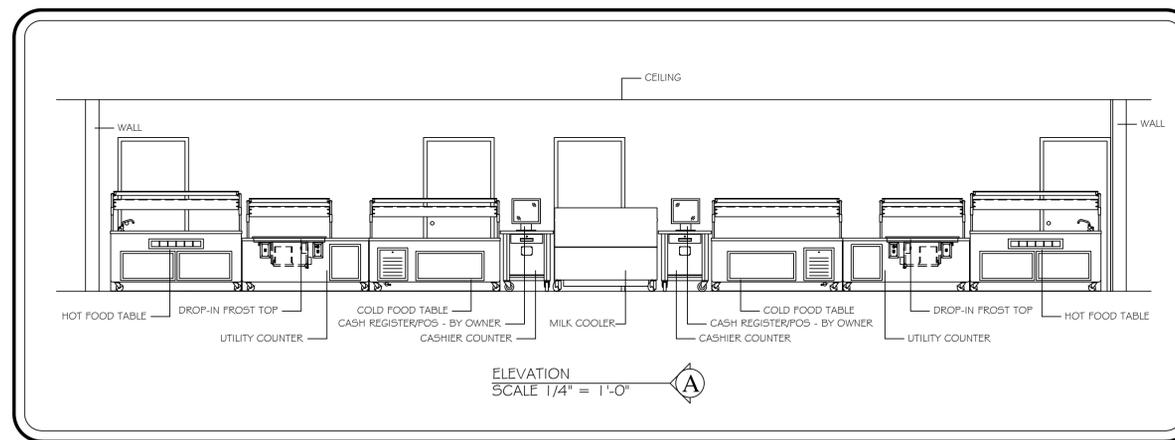
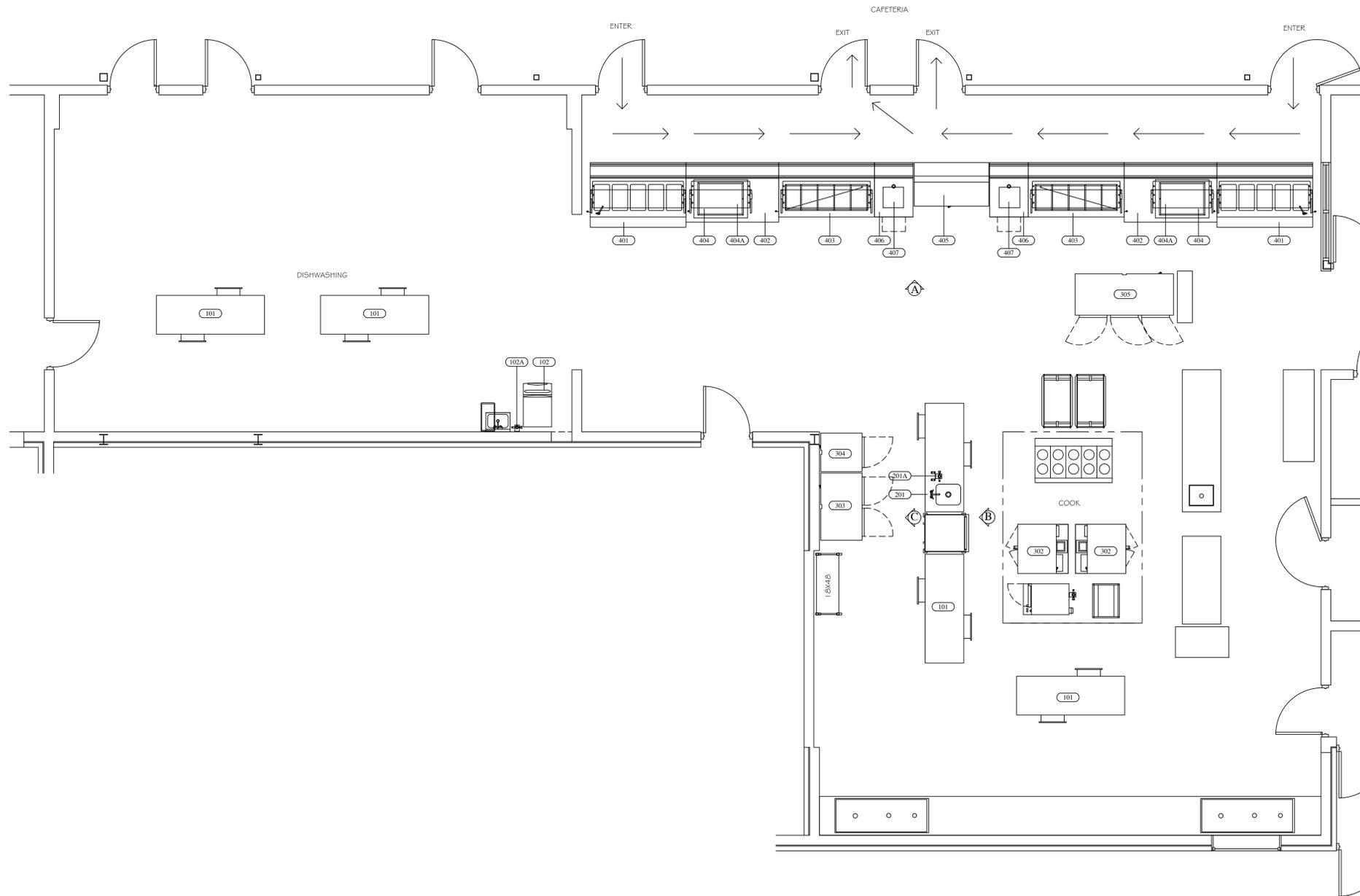
**FSE-0**



**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	2	WORKTABLE		*				
201	1	PREP TABLE		*			*	*
206	1	HOT FOOD CABINET	*					
302	2	CONVECTION OVEN		*				*
303	1	FREEZER		*				*
304	1	REFRIGERATOR		*				*
305	1	REFRIGERATOR		*				*
401	1	HOT FOOD TABLE		*			*	*
402	1	SERVICE COUNTER		*			*	*
405	2	MILK COOLER		*				*



FOODSERVICE  
DESIGN BY:



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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 LSDDR6FP	BIDS BP #2	JR

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SHEET NUMBER:

**FSE-1**

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.

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	4	PORTABLE TABLE														S.S. UNDERSHELF & CASTERS
102	1	ICE MAKER W/ BIN	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	COOK'S TABLE	0.5	0.5	FL SK											TRADES TO PIPE CW THRU FILTER THEN TO COOK'S TABLE
201A	1	COOK'S TABLE FILTER	0.5													TRADES TO PIPE CW THRU FILTER THEN TO COOK'S TABLE
301	1	SPARE NUMBER														
302	2	CONVECTION OVEN - DOUBLE DECK											208	3	(2) 34.0	
303	1	FREEZER											120	1	11.2	
304	1	REFRIGERATOR											120	1	4.9	
305	1	REFRIGERATOR											120	1	8.4	
401	2	HOT FOOD TABLE	0.5		FL SK								120/208	1	28.4	
402	2	UTILITY COUNTER														
403	2	COLD FOOD TABLE			FL SK								120	1	9.5	
404	2	DROP-IN FROST TOP			FL SK								120	1	2.4	
404A	2	SNEEZE GUARD											120	1	1.0	
405	1	MILK COOLER											120	1	3.3	
406	2	CASHIER COUNTER														
407	2	CASH REGISTER/POS - BY OWNER											120	1	10.0	DEDICATED CIRCUIT & DATA
501	1	SPARE NUMBER														

FOODSERVICE  
DESIGN BY:



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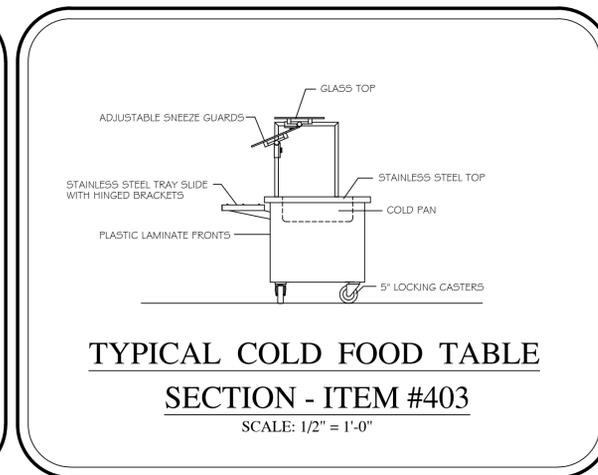
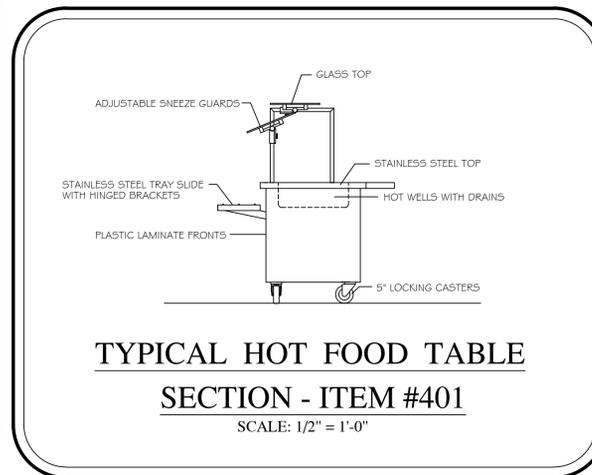
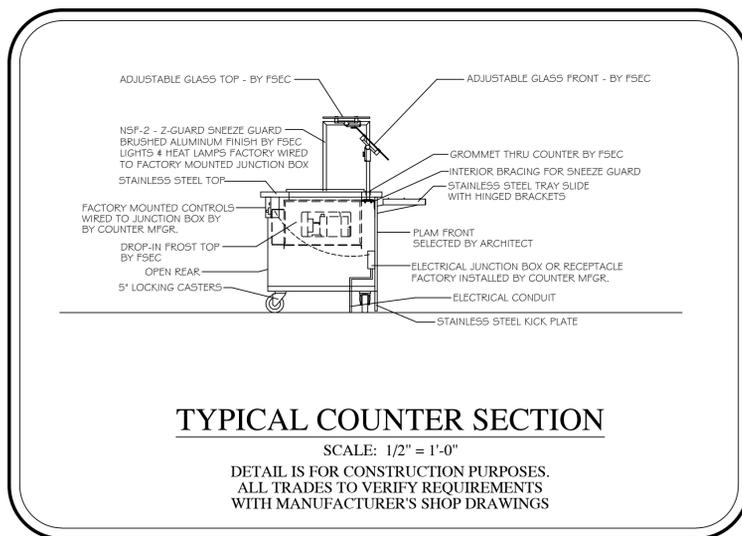
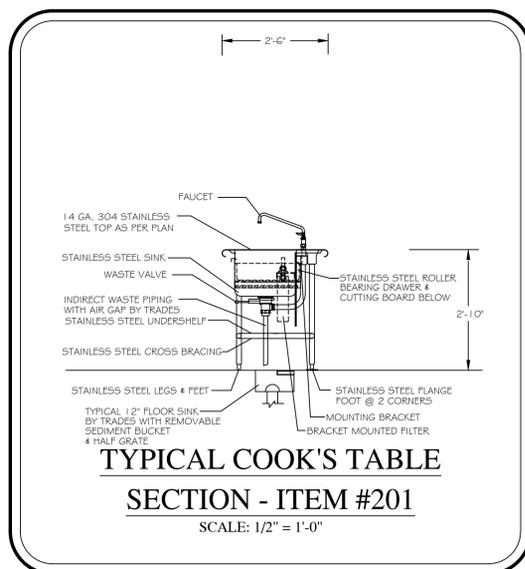
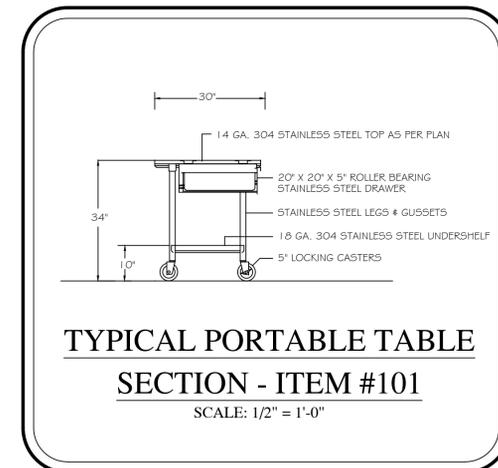
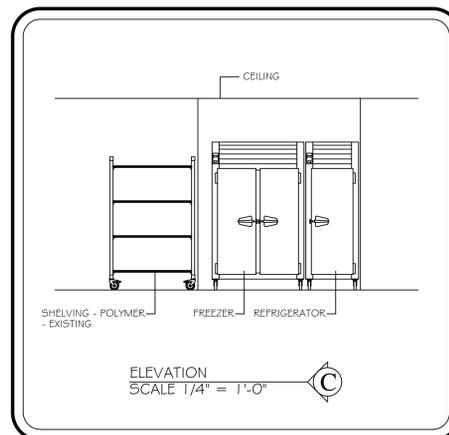
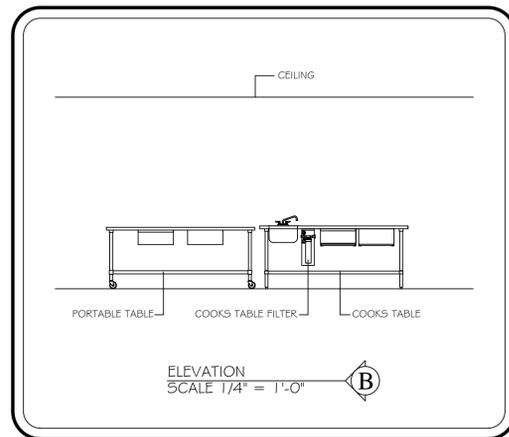
**SHEET TITLE:**  
FOOD SERVICE  
EQUIPMENT  
SCHEDULE  
SCALE 1/4" = 1'-0"

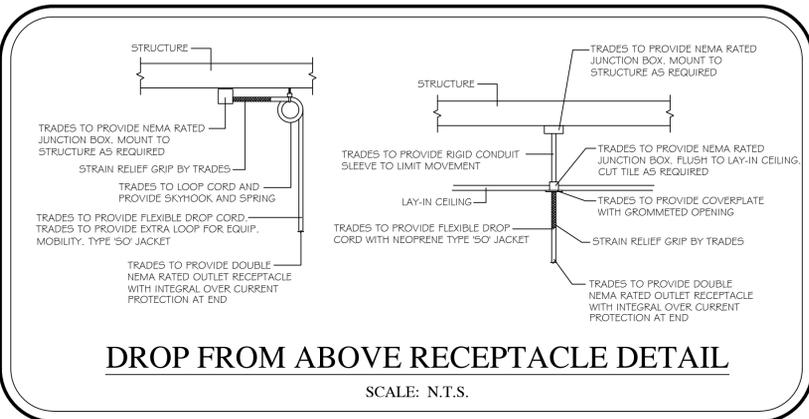
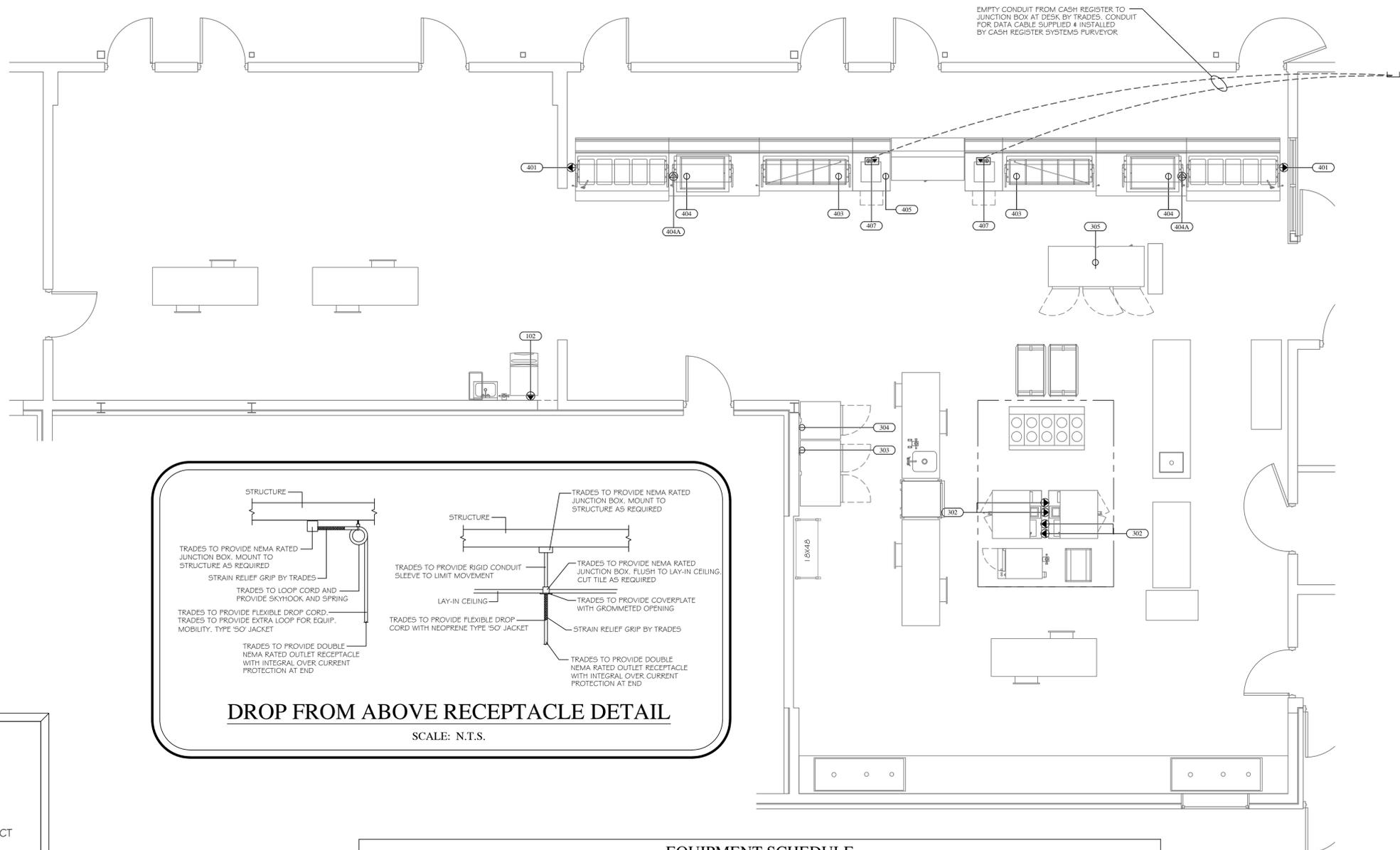
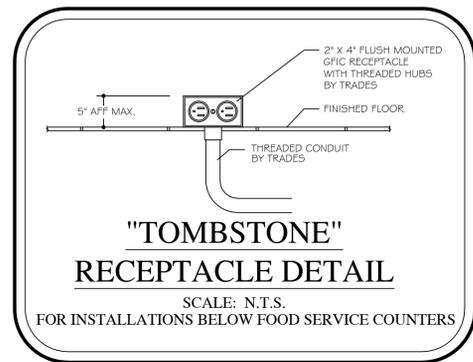
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03/13/26 LSDDR6S	BIDS BP #2	JR

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**FSE-2**





- 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.
  - EQUIPMENT NOT BEING REUSED TO BE DISCONNECTED BY TRADES AND STORED OR DISCARDED BY THE FSEC AS DIRECTED BY OWNER.
  - EQUIPMENT DESIGNATED AS RELOCATED SHALL BE DISCONNECTED BY THE TRADES AND RELOCATED BY THE FSEC AS PER PLANS AND SPECIFICATIONS.

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	
302	CONVECTION OVEN - DOUBLE DECK	208	3	34.0	X		5	PEDESTAL MOUNTED JUNCTION BOX BY TRADES
303	FREEZER	120	1	11.2		X	90	
304	REFRIGERATOR	120	1	4.9		X	90	
305	REFRIGERATOR	120	1	8.4		X	DFA	TWIST LOCK DROP CORD ASSEMBLY BY TRADES
401	HOT FOOD TABLE	120/208	1	28.4		X	16	
403	COLD FOOD TABLE	120	1	9.5		X	5	PEDESTAL MOUNTED RECEPTACLE BY TRADES
404	DROP-IN FROST TOP	120	1	2.4		X	5	PEDESTAL MOUNTED RECEPTACLE BY TRADES
404A	SNEEZE GUARD	120	1	1.0	X		5	PEDESTAL MOUNTED JUNCTION BOX BY TRADES
405	MILK COOLER	120	1	3.3		X	5	PEDESTAL MOUNTED RECEPTACLE BY TRADES
407	CASH REGISTER/POS - BY OWNER	120	1	10.0		X	5	INTERWIRE TO OFFICE/CPU - VIF

MECHANICAL / ELECTRICAL NOTES			
	120 V - 20 AMP DUPLEX RECEPTACLE - GFC VERTICALLY MOUNTED	TFT	TEMPERED FLOOR TROUGH
	120 V - 20 AMP SIMPLEX OUTLET - GFC VERTICALLY MOUNTED	PH	PHASE
	120 VOLT - 30 AMP QUAD OUTLET	UON	UNLESS OTHERWISE NOTED
	SPECIAL RECEPTACLE - 120 VOLT	V	VOLTS
	SPECIAL RECEPTACLE - 208/240 VOLT	VIF	VERIFY IN FIELD
	W.T. FLUSH FLOOR POWER/COMMUNICATIONS RECEPTACLE	HW	HOT WATER - 25 PSI - 120 DEGREES
	DATA CONNECTION	CW	COLD WATER - 25 PSI
	WATERTIGHT FLUSH FLOOR DUPLEX - 20 AMP - GFC	G	NATURAL GAS - 7" W.C. OR LP GAS - 1 1/2" W.C. - VIF
	JUNCTION BOX	W	WASTE DRAIN - DIRECT CONNECTION
	LIGHT FIXTURE	FD	FLOOR DRAIN - 3" MINIMUM DRAIN - MINIMUM PITCH
	AMPS	FFD	FUNNEL FLOOR DRAIN FOR IW - 3" MINIMUM DRAIN
	ABOVE FINISHED FLOOR	FL SK	FLOOR SINK FOR IW - 12" SQ. - HALF GRATE - 3" MIN.
	BRANCH TO CONNECTION BY TRADES	EVC	EXHAUST VENT CONNECTION
	DROP FROM ABOVE	MUA	MAKE UP AIR DUCT CONNECTION
	GENERAL PURPOSE	CFM	CUBIC FEET MINUTE
	HORSEPOWER	SP	STATIC PRESSURE
	INDIRECT/AIR GAPPED WASTE TO FL DR OR FL SK	BC	BEVERAGE CONDUIT WITH 1/8" SWEEP ENDS BY TRADES - VIF
	KILOWATT	NIKEC	NOT IN KITCHEN EQUIPMENT CONTRACT

- TRADE & FSEC NOTES:**
- KITCHEN EQUIPMENT SHALL BE DELIVERED AND ERECTED BY FSEC.
  - DO NOT ROUGH-IN FROM THIS DRAWING. REFER TO FSEC DIMENSIONED ROUGH-IN DRAWINGS AND SHOP DRAWINGS FOR ACTUAL REQUIREMENTS.
  - TRADES SHALL MAKE ALL FINAL CONNECTIONS BETWEEN EQUIPMENT AND ROUGH-IN POINT, AND FURNISH ALL WIRING, SWITCHES, CONTROLS, SERVICE VALVES, PIPING, ETC AS REQUIRED. FSEC SHALL FURNISH DRAIN WATER TEMPERING KIT(S). TRADES SHALL INSTALL.
  - FSEC SHALL FURNISH AND TRADES SHALL INSTALL ALL EQUIPMENT ACCESSORIES (FAUCETS, SWITCHES, CORDS, VALVES, GAS HOSES, ETC.).
  - SLOPES TO FDS SHOULD BE HELD TO A MINIMUM DIMENSION.
  - ALL "ROUGH-INS" SHOULD BE "UP-WITHIN" AND THEN "OUT-OF" WALLS WHERE POSSIBLE TO KEEP FLOORS AS CLEAN AS POSSIBLE. ROUGH-INS ARE SHOWN AT TERMINATION POINT TO ALLOW WIRING/PIPING TO FIXTURE BY TRADES.
  - TRADES SHALL PROVIDE CHASES/REWORK OF WALLS, FLOORS, CEILINGS FOR UTILITIES, FLOOR GRATES, WALKINS, DUCTS, ETC.
  - FSEC SHALL PROVIDE ACCESS HOLES IN EQUIPMENT FOR UTILITIES, PIPING, POS, BEVERAGE LINES, ETC.
  - TRADES SHALL PROVIDE VENTILATION STRUCTURAL SUPPORT, CEILING WORK, ROOF PENETRATIONS AND FIRE PROOFING AS REQUIRED.
  - EXHAUST HOOD SHALL BE USED FOR VENTILATION OF COOKING EQUIPMENT ONLY. TRADES SHALL PROVIDE ROOM VENTILATION (AVC RECOMMENDED) AS REQUIRED.
  - TRADES SHALL PROVIDE ADEQUATE VENTILATION FOR REFRIGERATION COMPRESSORS, WHETHER AIR COOLED OR WATER COOLED.
  - TRADES SHALL REVIEW ALL ROUGHINS AND SHOP DRAWINGS FROM FSEC AND ADVISE PRIOR TO ROUGHING IN IF ANY CHANGES ARE REQUIRED.
  - FSEC SHALL COORDINATE ROUGHIN REQUIREMENTS FOR OWNER SUPPLIED, RELOCATED, OR EXISTING EQUIPMENT WITH ALL TRADES.
  - TRADES SHALL REUSE EXISTING ROUGHINS IF APPLICABLE.
  - EQUIPMENT NOT BEING RE-USED SHALL BE DISCONNECTED FROM UTILITIES BY THE TRADES.
  - IF OWNER REQUESTS EXISTING EQUIPMENT BE SALVAGED THE FSEC SHALL TURN OVER TO OWNER.
  - EQUIPMENT DESIGNATED AS RELOCATED SHALL BE DISCONNECTED FROM UTILITIES BY THE TRADES.
  - EQUIPMENT DESIGNATED AS RELOCATED SHALL BE REMOVED FROM SITE, CLEANED, MADE READY FOR HEALTH DEPARTMENT AND RETURNED TO THE SITE BY THE FSEC.
  - EQUIPMENT DESIGNATED AS RELOCATED SHALL BE RE-CONNECTED BY THE TRADES.
  - TRADES & FSEC TO VERIFY VENTILATION DATA WITH HOOD MFG. SHOP DRAWINGS.

**ARCHITECT:**  
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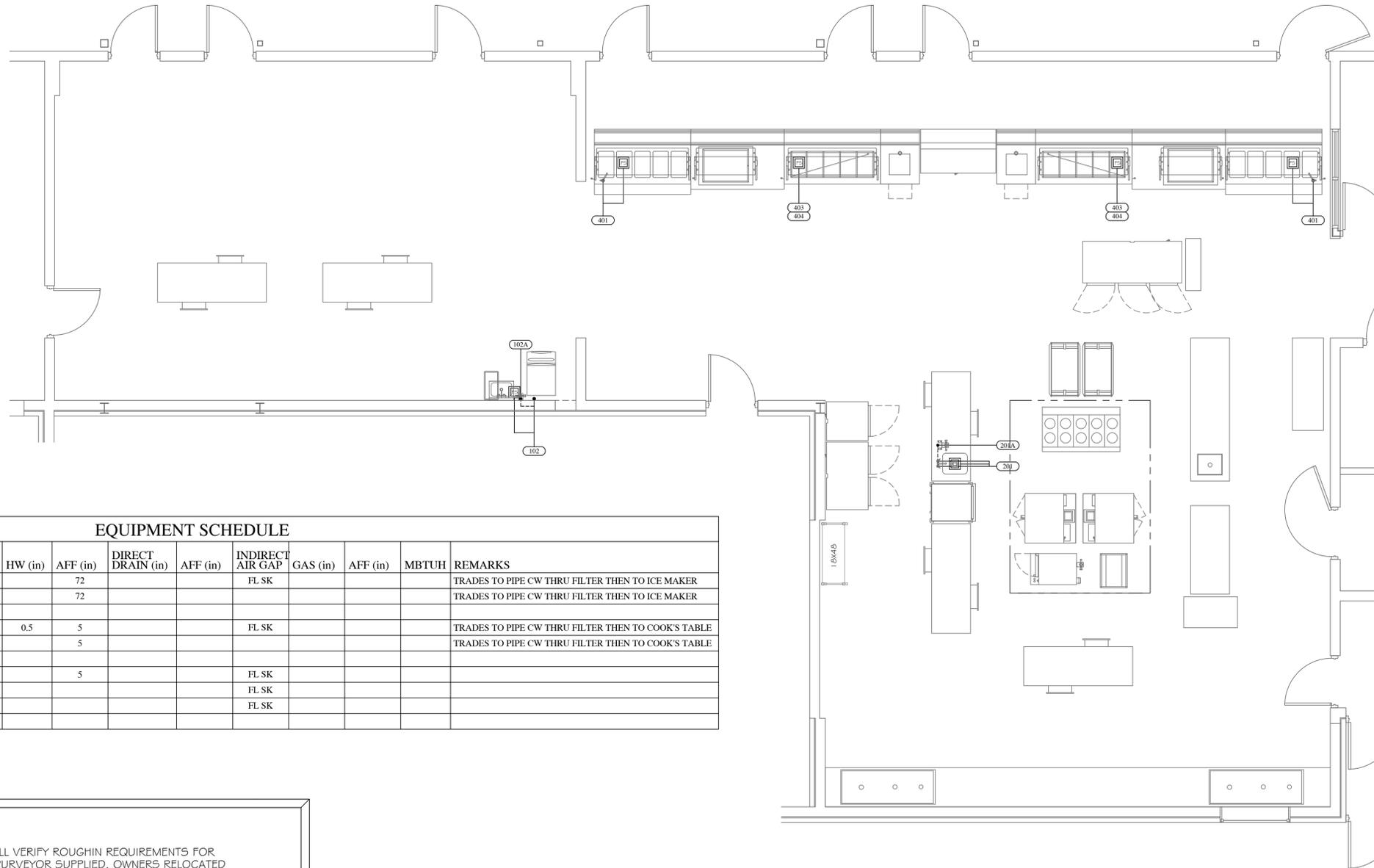
**PROJECT:**  
LANSING SCHOOL DISTRICT  
DWIGHT RICH SCHOOL  
3400 2ND ST.  
WAYLAND, MI 49348

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

DATE CODE	PROJECT PHASE	BY
03/13/26 LSDDRG6E	BIDS BP #2	JR

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SHEET NUMBER:  
**FSE-3**



**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
201	COOKS TABLE	0.5	0.5	5			FL SK				TRADES TO PIPE CW THRU FILTER THEN TO COOK'S TABLE
201A	COOK'S TABLE FILTER	0.5		5							TRADES TO PIPE CW THRU FILTER THEN TO COOK'S TABLE
401	HOT FOOD TABLE	0.5		5			FL SK				
403	COLD FOOD TABLE						FL SK				
404	DROP-IN FROST TOP						FL SK				

**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.
- EQUIPMENT NOT BEING REUSED TO BE DISCONNECTED BY TRADES AND STORED OR DISCARDED BY THE FSEC AS DIRECTED BY OWNER.
- EQUIPMENT DESIGNATED AS RELOCATED SHALL BE DISCONNECTED BY THE TRADES AND RELOCATED BY THE FSEC AS PER PLANS AND SPECIFICATIONS.

**MECHANICAL / ELECTRICAL NOTES**

⊕	120 V - 20 AMP DUPLEX RECEPTACLE - GFCI VERTICALLY MOUNTED	TFT	TEMPERED FLOOR TROUGH
⊕	120 V - 20 AMP SIMPLEX OUTLET - GFCI VERTICALLY MOUNTED	PH	PHASE
⊕	120 VOLT - 30 AMP QUAD OUTLET	UON	UNLESS OTHERWISE NOTED
SR	SPECIAL RECEPTACLE - 120 VOLT	V	VOLTS
SR	SPECIAL RECEPTACLE - 208/240 VOLT	VIF	VERIFY IN FIELD
W.T.	W.T. FLUSH FLOOR POWER/COMMUNICATIONS RECEPTACLE	HW	HOT WATER - 25 PSI - 120 DEGREES
DATA	DATA CONNECTION	CW	COLD WATER - 25 PSI
⊕	WATERTIGHT FLUSH FLOOR DUPLEX - 20 AMP - GFCI	G	NATURAL GAS - 7" W.C. OR LP GAS - 1 1/2" W.C. - VIF
JB	JUNCTION BOX	W	WASTE DRAIN - DIRECT CONNECTION
LT	LIGHT FIXTURE	FD	FLOOR DRAIN - 3" MINIMUM DRAIN - MINIMUM PITCH
A	AMPS	FFD	FUNNEL FLOOR DRAIN FOR IW - 3" MINIMUM DRAIN
AFF	ABOVE FINISHED FLOOR	FL SK	FLOOR SINK FOR IW - 12" SQ. - HALF GRATE - 3" MIN.
BTC	BRANCH TO CONNECTION BY TRADES	EVC	EXHAUST VENT CONNECTION
DFA	DROP FROM ABOVE	MUA	MAKE UP AIR DUCT CONNECTION
GP	GENERAL PURPOSE	CFM	CUBIC FEET MINUTE
HP	HORSEPOWER	SP	STATIC PRESSURE
IW	INDIRECT/AIR GAPPED WASTE TO FL DR OR FL SK	BC	BEVERAGE CONDUIT WITH 1/8" SWEEP ENDS BY TRADES - VIF
KW	KILOWATT	NIKEC	NOT IN KITCHEN EQUIPMENT CONTRACT

**TRADE & FSEC NOTES:**

- KITCHEN EQUIPMENT SHALL BE DELIVERED AND ERECTED BY FSEC.
- DO NOT ROUGH-IN FROM THIS DRAWING. REFER TO FSEC DIMENSIONED ROUGH-IN DRAWINGS AND SHOP DRAWINGS FOR ACTUAL REQUIREMENTS.
- TRADES SHALL MAKE ALL FINAL CONNECTIONS BETWEEN EQUIPMENT AND ROUGH-IN POINT, AND FURNISH ALL WIRING, SWITCHES, CONTROLS, SERVICE VALVES, PIPING, ETC AS REQUIRED. FSEC SHALL FURNISH DRAIN WATER TEMPERING KIT(S), TRADES SHALL INSTALL.
- FSEC SHALL FURNISH AND TRADES SHALL INSTALL ALL EQUIPMENT ACCESSORIES (FAUCETS, SWITCHES, CORDS, VALVES, GAS HOSES, ETC.).
- SLOPES TO FDS SHOULD BE HELD TO A MINIMUM DIMENSION.
- ALL "ROUGH-INS" SHOULD BE "UP-WITHIN" AND THEN "OUT-OF" WALLS WHERE POSSIBLE TO KEEP FLOORS AS CLEAN AS POSSIBLE. ROUGH-INS ARE SHOWN AT TERMINATION POINT TO ALLOW WIRING/PIPING TO FIXTURE BY TRADES.
- TRADES SHALL PROVIDE CHASES/REWORK OF WALLS, FLOORS, CEILINGS FOR UTILITIES, FLOOR GRATES, WALKINS, DUCTS, ETC.
- FSEC SHALL PROVIDE ACCESS HOLES IN EQUIPMENT FOR UTILITIES, PIPING, POS, BEVERAGE LINES, ETC.
- TRADES SHALL PROVIDE VENTILATION STRUCTURAL SUPPORT, CEILING WORK, ROOF PENETRATIONS AND FIRE PROOFING AS REQUIRED.
- EXHAUST HOOD SHALL BE USED FOR VENTILATION OF COOKING EQUIPMENT ONLY. TRADES SHALL PROVIDE ROOM VENTILATION (AVC RECOMMENDED) AS REQUIRED.
- TRADES SHALL PROVIDE ADEQUATE VENTILATION FOR REFRIGERATION COMPRESSORS, WHETHER AIR COOLED OR WATER COOLED.
- TRADES SHALL REVIEW ALL ROUGHINS AND SHOP DRAWINGS FROM FSEC AND ADVISE PRIOR TO ROUGHING IN IF ANY CHANGES ARE REQUIRED.
- FSEC SHALL COORDINATE ROUGHIN REQUIREMENTS FOR OWNER SUPPLIED, RELOCATED, OR EXISTING EQUIPMENT WITH ALL TRADES.
- TRADES SHALL REUSE EXISTING ROUGHING IF APPLICABLE.
- EQUIPMENT NOT BEING RE-USED TO BE DISCONNECTED FROM UTILITIES BY THE TRADES.
- EQUIPMENT NOT BEING RE-USED SHALL BE DISCARDED BY THE FSEC.
- IF OWNER REQUESTS EXISTING EQUIPMENT BE SALVAGED THE FSEC SHALL TURN OVER TO OWNER.
- EQUIPMENT DESIGNATED AS RELOCATED SHALL BE DISCONNECTED FROM UTILITIES BY THE TRADES, FOR HEALTH DEPARTMENT AND RETURNED TO THE SITE BY THE FSEC.
- EQUIPMENT DESIGNATED AS RELOCATED SHALL BE REMOVED FROM SITE, CLEANED, MADE READY FOR HEALTH DEPARTMENT AND RETURNED TO THE SITE BY THE FSEC.
- EQUIPMENT DESIGNATED AS RELOCATED SHALL BE RE-CONNECTED BY THE TRADES.
- TRADES & FSEC TO VERIFY VENTILATION DATA WITH HOOD MFG. SHOP DRAWINGS.

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

**PROJECT:**  
LANSING SCHOOL DISTRICT  
DWIGHT RICH SCHOOL  
3400 2ND ST.  
WAYLAND, MI 49348

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

DATE CODE	PROJECT PHASE	BY
03/11/26 LSDDR6FP	BIDS BP #2	JR

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SHEET NUMBER:

**FSE-4**