DARKE COUNTY
GARST AVE. ENTRY RAMP PROJECT

300 GARST AVENUE
GREENVILLE, OHIO 45331

ARCHITECT

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MECHANICAL & ELECTRICAL ENGINEERS

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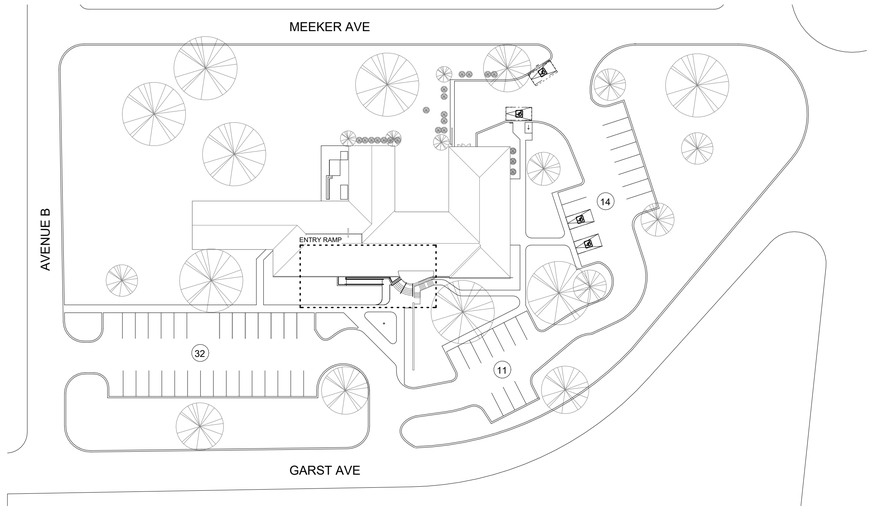
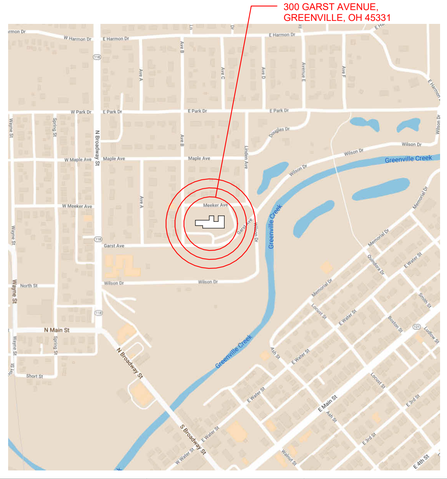


D4 SITE PLAN
1" = 50'-0"

VICINITY MAP



CODE INFORMATION (OBC 2024)

PROJECT DESCRIPTION

PROJECT CONSISTS OF THE ADDITION OF A RAMP AT THE SOUTH BUILDING ENTRANCE TO IMPROVE ACCESSIBILITY IN AN EXISTING 20,741 SF BUILDING.

USE GROUP CLASSIFICATION

OBC (302) USE GROUP:
EXISTING: = B (BUSINESS)
BUILDING GROSS AREA: = 20,741 SF (UNCHANGED)

CONSTRUCTION TYPE CLASSIFICATION

OBC (602) CONSTRUCTION TYPE = IIIB

HEIGHT AND AREA LIMITATIONS

OBC (T: 504.3) HEIGHT:
ALLOWABLE: = 55'-0"
ACTUAL HEIGHT: = 23'-2 3/8" ABOVE AVERAGE GRADE (UNCHANGED)

OBC (T: 504.4) NUMBER OF STORIES:
ALLOWABLE: = 3 STORIES
ACTUAL: = 2 STORIES (UNCHANGED)

OBC (T: 506.2) AREA:
ALLOWABLE: = 19,000 SF
OBC 506.3.3 FRONTAGE INCREASE
100% OPEN PERIMETER>30'=75% = 14,250 SF
TOTAL ALLOWABLE AREA: = 33,250 SF

ACTUAL:
LOWER LEVEL = 8,320 SF
FIRST FLOOR: = 12,421 SF
TOTAL ACTUAL AREA: = 20,741 SF (UNCHANGED)

OCCUPANT LOAD

OBC (PER 1988 RENOVATION UNDER 1985 OBBC) OCCUPANT LOAD:
ALLOWABLE: B: 20,741 SF / 100 = 207
ACTUAL: = 207 (UNCHANGED)

OBC (T: 1006.2.1) TRAVEL DISTANCE:
MAXIMUM TRAVEL DISTANCE: B (NS) = 75'-0"

FIRE PROTECTION

OBC (903) AUTOMATIC SPRINKLER SYSTEM:
SPRINKLERS NOT REQUIRED / NOT PROVIDED

OBC (907) FIRE ALARM AND DETECTION SYSTEMS:
OBC (907.2.2) GROUP B: FIRE ALARM NOT REQUIRED / NOT PROVIDED
OCCUPANT LOAD < 500 PERSONS
EXIT DISCHARGED < 100 PERSONS
FIRE AREA DOES NOT CONTAIN AMBULATORY CARE FACILITY

INTERIOR FINISHES

OBC (T: 803.13) INTERIOR WALL AND CEILING FINISH REQUIREMENTS:
EXIT PASSAGEWAYS = CLASS A
CORRIDORS = CLASS B
ROOMS = CLASS C

OBC (804.2) INTERIOR FLOOR FINISH:
EXIT PASSAGEWAYS = CLASS II
CORRIDORS = CLASS II
ROOMS = CLASS II

PLUMBING FIXTURES

OBC (T: 2902.1) PLUMBING FIXTURES

WATER CLOSETS:
MEN'S = 5 PROVIDED (UNCHANGED)
WOMEN'S = 4 PROVIDED (UNCHANGED)
UNISEX = 1 PROVIDED (UNCHANGED)

LAVATORIES: = 7 PROVIDED (UNCHANGED)

DRINKING FOUNTAINS: = 1 PROVIDED (UNCHANGED)

SERVICE SINK: = 1 PROVIDED (UNCHANGED)

OTHER CODE PROVISIONS

OBC (T: 601) FIRE RESISTANCE RATINGS:

PRIMARY STRUCTURAL FRAME = 0 HRS (UNCHANGED)
EXTERIOR BEARING WALLS = 2 HRS (UNCHANGED)
INTERIOR BEARING WALLS = 0 HRS (UNCHANGED)
EXTERIOR NON-LOAD BEARING WALLS = 0 HRS (UNCHANGED)
INTERIOR NON-LOAD BEARING WALLS = 0 HRS (UNCHANGED)
FLOOR CONSTRUCTION INCLUDING BEAMS = 0 HRS (UNCHANGED)
ROOF CONSTRUCTION INCLUDING BEAMS = 0 HRS (UNCHANGED)

OBC (T: 705.5) FIRE RESISTANCE BASED ON SEPARATION DISTANCE:

SEPARATION DISTANCE: (>30'; X≥30') = 0 HRS (UNCHANGED)

DRAWING INDEX

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STATE OF OHIO
TIMOTHY J. BEMENT
12305
REGISTERED ARCHITECT
Timothy J. Bement, License #12305
Expiration Date 12/31/2025

DARKE COUNTY
GARST AVE. ENTRY RAMP PROJECT
300 GARST AVENUE
GREENVILLE, OHIO 45331

ISSUE

NO.	DATE	DESCRIPTION
	04/09/24	FOR PERMIT

DATE	04/09/24
JOB NO.	4106
DRAWN	JAK
CHECKED	MES/TJB

TITLE
COVER SHEET

SHEET NO.
G0.1

4/15/2024 1:44:03 PM

ARCHITECTURAL SPECIFICATIONS

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

DOCUMENT 002000 - INSTRUCTIONS FOR PROCUREMENT

1. BIDS DUE: April 30, 2024 @ 2:00 p.m. EST. EMAIL TO: BOTH maria.schertler@app-arch.com and dmusser@co.darke.oh.us

2. INSTRUCTIONS TO BIDDERS: AIA A701.

DOCUMENT 004000 -PROCUREMENT FORMS AND SUPPLEMENTS

1. BID FORM: (LUMP SUM ON BIDDER'S LETTERHEAD AND SIGNED).

2. BID BOND: AIA A310; (10%).

3. SUBCONTRACTOR LIST: (CONCRETE, ELECTRICAL).

DOCUMENT 005000 -CONTRACTING FORMS AND SUPPLEMENTS

1. AGREEMENT FORM: AIA A101

DOCUMENT 006000 - PROJECT FORMS

1. PERFORMANCE BOND & LABOR AND MATERIAL PAYMENT BOND: AIA A312.

2. CERTIFICATES OF INSURANCE: ACORD 25-s.

DOCUMENT 007000 - CONDITIONS OF THE CONTRACT

1. GENERAL CONDITIONS: AIA A201.

2. SUPPLEMENTARY GENERAL CONDITIONS: THE FOLLOWING CONDITIONS MODIFY THE GENERAL CONDITIONS AIA A201. UNALTERED PORTIONS SHALL REMAIN IN EFFECT.
   A. STATE, SALES, AND USE TAXES: OWNER EXEMPT.
   B. BUILDING PERMIT: OWNER SUBMITTED, CONTRACTOR RESPONSIBLE FOR.
   C. SCHEDULE OF VALUES: AIA G702/G703.
   D. APPLICATION FOR PAYMENT: AIA G702/G703.
   E. RETAINAGE: 10% UNTIL COMPLETE.
   F. CONTRACTOR'S LIABILITY INSURANCE: PREMISES OPERATIONS: X,C, & U. WORKERS COMPENSATION: STATUTORY. COMPREHENSIVE: ($1,000,000/ $2,000,000). PERSONAL INJURY: ($1,000,000). UMBRELLA LIABILITY: ($5,000,000).
   G. BUILDER'S RISK: BY CONTRACTOR.

3. MECHANICS LIEN LAW: OWNER AND CONTRACTOR COMPLY WITH REQUIREMENTS OF AMENDED OHIO HB238.
4. PROJECT REQUIRED TO FOLLOW PREVAILING WAGE RATES. DOCUMENTATION TO BE SUBMITTED WITH PAY APPLICATIONS.

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DIVISION 0I - GENERAL REQUIREMENTS

SECTION 011000 - SUMMARY

1. PROJECT IDENTIFICATION:
   A. PROJECT NAME: GARST AVE. ENTRY RAMP
   B. PROJECT LOCATION: 300 GARST AVE. GREENVILLE, OH
   C. OWNER: DARKE COUNTY.

2. TYPE OF CONTRACT: SINGLE PRIME CONTRACT.

3. TIME OF COMPLETION: CONTRACTOR TO INDICATED NUMBER OF CALENDAR WEEKS REQUIRED (INCLUDING WEEKENDS).

4. USE OF PREMISES: OWNER WILL OCCUPANCY SITE THROUGH OUT THE DURATION OF WORK. ENTRY WILL BE CLOSED TO PUBLIC AND STAFF FOR THE DURATION OF THE PROJECT.

5. WORK HOURS: 7:00 A.M. TO 5:00 P.M. CONTRACTOR MAY SCHEDULE EARLY AND LATE WORK HOURS WITH THE OWNER. LOCAL NOISE ORDINANCES TO BE FOLLOWED.

SECTION 012100 - ALLOWANCES

1. CONTRACTOR SHALL INCLUDE IN THE PROPOSAL THE FOLLOWING ALLOWANCES:
   A. ALLOWANCE: NONE.

SECTION 012300 - ALTERNATES

1. CONTRACTOR SHALL INCLUDE IN THE PROPOSAL THE FOLLOWING ALTERNATES:
   A. ALTERNATE NO. (G-1): NONE.

SECTION 012600 - CONTRACT MODIFICATION PROCEDURES

1. MINOR CHANGES IN THE WORK: PROVIDED BY CONTRACTOR WITHOUT ADJUSTMENT TO CONTRACT SUM OR CONTRACT TIME.

2. CHANGE ORDERS: AIA G701 WITH SIGNATURES OF OWNER AND CONTRACTOR.

SECTION 012900 - PAYMENT PROCEDURES

1. SCHEDULE OF VALUES (AIA G702/G703): BREAKDOWN OF CONTRACT SUM IN ENOUGH DETAIL TO FACILITATE EVALUATION OF APPLICATIONS FOR PAYMENT.

2. APPLICATION FOR PAYMENT (AIA G702/G703): CONSISTENT WITH SCHEDULE OF VALUES (INITIAL) AND PREVIOUS APPLICATIONS FOR PAYMENT (SUBSEQUENT).

3. PAYMENT APPLICATION TIMES: MONTHLY PROGRESS PAYMENTS BY THE (10TH).

4. WAIVERS OF MECHANIC'S LIEN: SUBMITTED WITH EACH APPLICATION FOR PAYMENT FROM EVERY ENTITY.

SECTION 013100 - PROJECT MANAGEMENT AND COORDINATION

1. COORDINATION: COORDINATE CONSTRUCTION OPERATIONS OF PROJECT TO ENSURE EFFICIENT AND ORDERLY INSTALLATION OF EACH PART OF THE WORK.

2. PROJECT MEETINGS:
   A. PRECONSTRUCTION CONFERENCE: PRIOR TO STARTING CONSTRUCTION.
   B. PROGRESS MEETINGS: (BIWEEKLY), ON JOB SITE.

SECTION 013200 - CONSTRUCTION PROGRESS DOCUMENTATION

1. CONTRACTOR'S CONSTRUCTION SCHEDULE.

SECTION 013300 - SUBMITTAL PROCEDURES

1. TRANSMITTAL FORM: AIA G810 (OR APPROVED EQUAL).

2. PRODUCT SUBMITTALS:
   A. PRODUCT DATA: (1) ELECTRONIC COPIES.
   B. SHOP DRAWINGS (1) ELECTRONIC COPIES.
   C. SAMPLES: (2) SETS.

3. SUBCONTRACTOR AND MATERIAL SUPPLIER LIST: IDENTIFY INDIVIDUALS OR FIRMS FOR EACH PORTION OF WORK.

SECTION 014000 - QUALITY REQUIREMENTS

1. TESTING AGENCY: LICENSED LABORATORY; OBTAINED BY OWNER, WHEN REQUIRED.

2. TESTS AND INSPECTIONS REQUIRED:
   A. CONCRETE: (DESCRIBE)

3. MOCK-UPS REQUIRED BY CONTRACTOR:
   A. RAMP STEM WALL WITH SALVAGED STONE MAY REMAIN IN PLACE UPON APPROVAL.

SECTION 014200 - REFERENCES

1. APPLICABILITY OF INDUSTRY STANDARDS: UNLESS THE CONTRACT DOCUMENTS INCLUDE MORE STRINGENT REQUIREMENTS, APPLICABLE CONSTRUCTION INDUSTRY STANDARDS HAVE THE SAME FORCE AND EFFECT AS IF BOUND OR COPIED DIRECTLY INTO THE CONTRACT DOCUMENTS TO THE EXTENT REFERENCED. SUCH STANDARDS ARE MADE PART OF THE CONTRACT DOCUMENTS BY REFERENCE.

2. PUBLICATION DATES OF INDUSTRY STANDARDS: COMPLY WITH STANDARDS IN EFFECT AS OF DATE OF CONTRACT DOCUMENTS.

SECTION 015000 - TEMPORARY FACILITIES AND CONTROLS

1. TEMPORARY UTILITY INSTALLATION AS FOLLOWS:
   A. GENERAL: CONNECT TO EXISTING SERVICE.
   B. SEWERS AND DRAINAGE: REMOVE EFFLUENCE LAWFULLY.
   C. WATER SERVICE: USE OWNER'S EXISTING WATER SERVICE. PROVIDE DISTRIBUTION PIPING IN SIZES AND PRESSURES ADEQUATE FOR CONSTRUCTION.
   D. SANITARY FACILITIES: PROVIDE TEMPORARY TOILETS
   E. ELECTRIC POWER SERVICE: USE OWNER'S EXISTING ELECTRIC POWER SERVICE. PROVIDE DISTRIBUTION SYSTEM OF SUFFICIENT SIZE, CAPACITY, AND POWER CHARACTERISTICS REQUIRED FOR CONSTRUCTION ACTIVITIES.
   F. LIGHTING: PROVIDE TEMPORARY LIGHTING WITH LOCAL SWITCHING THAT PROVIDES ADEQUATE ILLUMINATION FOR CONSTRUCTION OPERATIONS, OBSERVATIONS, INSPECTIONS, AND TRAFFIC CONDITIONS.

2. TEMPORARY FACILITIES INCLUDES THE FOLLOWING:
   A. FIELD OFFICE.
   B. STORAGE AND FABRICATION SHEDS.

3. TEMPORARY EQUIPMENT INCLUDES:
   A. FIRE EXTINGUISHERS: PORTABLE, UL RATED; WITH CLASS AND EXTINGUISHING AGENT AS REQUIRED BY LOCATIONS AND CLASSES OF FIRE EXPOSURES.

4. TEMPORARY SECURITY AND PROTECTION FACILITIES AS FOLLOWS:
   A. EROSION AND SEDIMENTATION CONTROL: PROVIDE MEASURES TO PREVENT SOIL EROSION AND SOIL BEARING WATER RUN-OFF AND AIRBORNE DUST TO ADJACENT PROPERTIES AND WALKWAYS.
   B. SITE ENCLOSURE FENCE: INSTALLED TO PREVENT PEOPLE AND ANIMALS FROM EASILY ENTERING SITE EXCEPT BY (CONTROLLED) ENTRANCE GATES.
   C. BARRICADES, WARNING SIGNS, AND LIGHTS: COMPLY WITH AUTHORITIES HAVING LOCAL JURISDICTION.
   D. INTERIOR PARTITIONS: PROVIDE FLOOR-TO-CEILING DUSTPROOF PARTITIONS TO LIMIT DUST AND DIRT MIGRATION AND TO SEPARATE OCCUPIED AREAS FROM FUMES AND NOISE.

5. TEMPORARY SUPPORT FACILITIES AS FOLLOWS:
   A. WASTE DISPOSAL FACILITIES: DISPOSE OF WASTE IN A LEGAL AND TIMELY MANNER. COORDINATE LOCATION OF DUMPSTER WITH OWNER.

SECTION 016000 - PRODUCT REQUIREMENTS

1. PRODUCT SUBSTITUTIONS: CONSIDERED IF RECEIVED WITHIN (60) DAYS; OFFERS OWNER SUBSTANTIAL ADVANTAGE IN COST, TIME, OR ENERGY CONSERVATION; DOES NOT REQUIRE EXTENSIVE REVISIONS TO CONTRACT DOCUMENTS,WILL PRODUCE INDICATED RESULTS, AND IS COMPATIBLE WITH OTHER PORTIONS OF THE WORK.
2. GENERAL PRODUCTS REQUIREMENTS: PROVIDE PRODUCTS COMPLYING WITH CONTRACT DOCUMENTS, UNDAMAGED, AND, UNLESS OTHERWISE INDICATED, ARE NEW AT TIME OF INSTALLATION.

3. PRODUCT DELIVERY, STORAGE, AND HANDLING: USE MEANS AND METHODS THAT WILL PREVENT PRODUCT DAMAGE, DETERIORATION, AND LOSS, INCLUDING THEFT.

SECTION 017300 - EXECUTION

1. EXAMINATION OF EXISTING CONDITIONS: INVESTIGATE AND VERIFY THE EXISTENCE AND LOCATION OF MECHANICAL AND ELECTRICAL SYSTEMS AND OTHER CONSTRUCTION, INCLUDING UNDERGROUND UTILITIES AND CONSTRUCTION, AFFECTING THE WORK.

2. ACCEPTANCE OF CONDITIONS: EXAMINE SUBSTRATES, AREAS, AND CONDITIONS, WITH INSTALLER OR APPLICATOR, FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE.

3. COORDINATE WITH AUTHORITIES HAVING JURISDICTION THE ADJUSTMENT, MOVING, OR RELOCATION OF EXISTING UTILITY SERVICES OR STRUCTURES.

4. FIELD MEASUREMENTS: TAKEN PRIOR TO INSTALLATION TO FIT THE WORK PROPERLY AND VERIFY DIMENSIONS BEFORE FABRICATION.

5. CONSTRUCTION LAYOUT: LOCATE AND LAYOUT SITE IMPROVEMENTS AND CONTROL LINES AND LEVELS FOR CONSTRUCTION.

6. FIELD ENGINEERING: LOCATE, ESTABLISH, AND MAINTAIN BENCHMARKS, CONTROL POINTS, AND SIMILAR REFERENCE POINTS PRIOR TO AND DURING CONSTRUCTION OPERATIONS.

7. INSTALLATION: LOCATE THE WORK AND COMPONENTS ACCURATELY, IN CORRECT ALIGNMENT AND ELEVATION, AND IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS FOR INSTALLING PRODUCTS IN APPLICATIONS INDICATED.

8. PROGRESS CLEANING: CLEAN PROJECT SITE AND WORK AREAS DAILY, INCLUDING COMMON AREAS. COORDINATE PROGRESS CLEANING FOR AREAS WHERE MORE THAN ONE INSTALLER HAS WORKED. MAINTAIN PROJECT SITE FREE OF WASTE MATERIAL SAND DEBRIS. BURYING OR BURNING OF WASTE MATERIALS ON-SITE IS NOT PERMITTED.

9. START EQUIPMENT AND OPERATING COMPONENTS, CONFIRM PROPER OPERATION. REMOVE MALFUNCTIONING UNITS, REPLACE WITH NEW UNITS AND RETEST.

10. CORRECTION OF WORK: REPAIR OR REMOVE AND REPLACE DEFECTIVE CONSTRUCTION.

SECTION 017329 - CUTTING AND PATCHING

1. PROVIDE TEMPORARY SUPPORT OF WORK CUT.

2. CUT IN PLACE CONSTRUCTION USING METHODS LEAST LIKELY TO DAMAGE ELEMENTS RETAINED OR ADJOINING CONSTRUCTION.

3. CUT OFF PIPE OR CONDUIT IN WALLS OR PARTITIONS TO BE REMOVED. CAP, VALVE, OR PLUG AND SEAL REMAINING PORTION OF PIPE OR CONDUIT.

4. PATCH CONSTRUCTION BY FILLING, REPAIRING, REFINISHING, CLOSING UP, AND SIMILAR OPERATIONS FOLLOWING PERFORMANCE OF OTHER WORK. PATCH WITH DURABLE SEAMS THAT ARE AS INVISIBLE AS POSSIBLE.

SECTION 017419 - CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL

1. DISPOSAL OF WASTE: REMOVE WASTE MATERIALS FROM PROJECT SITE AND LEGALLY DISPOSE OFF SITE. DO NOT BURN WASTE MATERIALS.

SECTION 017700 - CLOSEOUT PROCEDURES

1. SUBMIT LIST OF ITEMS TO BE COMPLETED AND CORRECTED AND WRITTEN REQUEST FOR AN INSPECTION. COMPLETE AND CORRECT ITEMS ON PUNCH LIST.

2. 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. REMOVE DEBRIS AND SURFACE DUST, CLEAN GLASS, REMOVE SOILS AND STAINS, CLEAN LIGHT LENSES AND DUCTWORK, AND REPLACE AIR FILTERS AND LIGHT BULBS USED DURING CONSTRUCTION.

3. WARRANTIES: SUBMIT WRITTEN WARRANTIES FOR DESIGNATED PORTIONS OF WORK.

SECTION 017823 - OPERATION AND MAINTENANCE DATA

1. OPERATION AND MAINTENANCE MANUALS: (2) ELECTRONIC SETS (BINDERS WITH TABLE OF CONTENTS) FOR EQUIPMENT.

SECTION 017839 - PROJECT RECORD DOCUMENTS

1. RECORD DRAWINGS: (1) SET MARKED TO SHOW ACTUAL INSTALLATION WHERE VARIES FROM ORIGINAL.

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DIVISION 02 - EXISTING CONDITIONS

SECTION 024119 - SELECTIVE STRUCTURE DEMOLITION

1. SELECTIVE DEMOLITION: DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY NEW CONSTRUCTION AND AS INDICATED ON DRAWINGS. USE METHODS REQUIRED TO COMPLETE THE WORK WITHIN LIMITATIONS OF GOVERNING REGULATIONS.

2. MAINTAIN UTILITY SERVICES AND MECHANICAL/ ELECTRICAL SYSTEMS TO REMAIN AND PROTECT AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS.

3. PROVIDE AND MAINTAIN SHORING, BRACING, AND STRUCTURAL SUPPORTS TO PRESERVE STABILITY, PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF CONSTRUCTION AND FINISHES TO REMAIN.

4. EXCEPT FOR ITEMS TO BE REUSED, SALVAGED, OR REINSTALLED, REMOVE DEMOLISHED MATERIALS FROM PROJECT SITE AND LEGALLY DISPOSE. (HAZARDOUS MATERIALS ARE NOT EXPECTED TO BE ENCOUNTERED IN THE WORK.)

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DIVISION 03 - CONCRETE

SECTION 033000 - CAST-IN-PLACE CONCRETE

1. CONCRETE WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE LATEST "AMERICAN CONCRETE INSTITUTE" RECOMMENDATIONS.

2. CONCRETE MIXES FOR BUILDING ELEMENTS:
   A. FOOTINGS: (3000) PSI.
   B. FOUNDATION WALLS: (4000) PSI.
   C. SLABS-ON-GRADE: (4000) PSI.
   D. SUPPORTED SLABS, BEAMS, JOISTS: (4000) PSI.
   E. (EXTERIOR CONCRETE 4 TO 6% AIR CONTENT.)
   F. SLUMP LIMIT: (4") (PLUS OR MINUS 1").

3. STEEL REINFORCEMENT SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE LATEST A.I.S.C. RECOMMENDATIONS.
   A. REINFORCING BARS: ASTM A 615, GRADE 60.

4. FINISHING FORMED SURFACES: EXPOSED WALLS AND OTHER SURFACES SHALL RECEIVE SMOOTH-FORMED FINISH.

5. UNDER-SLAB VAPOR BARRIER: ASTM E 1745, CLASS A, 15-MIL THICK, 0.018 PERMS. INSTALL PER ASTM E 1643 WITH TAPE.

6. FINISHING FLOORS AND SLABS: APPLY TROWEL FINISH TO SURFACES EXPOSED TO VIEW AND TO BE COVERED WITH FINISH FLOORING MATERIAL. APPLY CURING AND SEALING COMPOUND UNIFORMLY TO FLOORS.

7. SEE ADDITIONAL CONCRETE NOTES WITHIN SET. COMPLY WITH MOST STRINGENT REQUIREMENTS.

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DIVISION 04 - MASONRY

SECTION 042000 - UNIT MASONRY

1. CONCRETE MASONRY UNITS: ASTM C 90 WITH UNIT COMPRESSIVE STRENGTH OF (1900) PSI, WEIGHT CLASSIFICATION OF (NORMAL WEIGHT), AND SIZED 3/8" LESS THAN NOMINAL DIMENSIONS.

2. MORTAR:
   A. MATERIALS: PORTLAND CEMENT, HYDRATED LIME, AGGREGATES AND WATER.
   B. MIXES: COMPLY WITH ASTM C 270; TYPE N (TYPE M BELOW GRADE).

5. MASONRY JOINT REINFORCEMENT: ASTM A 951, HOT DIPPED GALVANIZED, W1.7 OR 0.148" WIRE SIZE, IN LENGTHS OF 10' OR MORE AND WITH PREFABRICATED CORNERS AND TEE UNITS.

6. TIES AND ANCHORS: HOT-DIPPED GALVANIZED STEEL WIRE, TIES AND ADJUSTABLE ANCHORS.

7. EMBEDDED FLASHING MATERIALS:
   A. METAL FLASHING: STAINLESS STEEL, ASTM A 240/A 240M, TYPE 304, 0.016" THICK PER SMACNA'S "ARCHITECTURAL SHEET METAL MANUAL". FLEXIBLE FLASHING: ELASTOMERIC THERMOPLASTIC FLASHING, 0.040" THICK, POLYESTER REINFORCED.

8. ACCESSORIES: PREMOLDED FILLER STRIPS, PREFORMED CONTROL-JOINT GASKETS, BOND-BREAKER STRIPS, AND ACIDIC MASONRY CLEANER.

9. INSTALLATION:
   A. LAY OUT WALLS IN ADVANCE FOR ACCURATE SPACING AND TO AVOID USING LESS-THAN-HALF SIZE UNITS. LAY MASONRY UNITS IN RUNNING BOND PATTERN. INSTALL ANCHORS, REINFORCING, FLASHING, EXPANSION AND CONTROL JOINTS.
   B. LAY UNITS IN COMPLETELY FILLED BED AND HEAD JOINTS. MAINTAIN (3/8") JOINT THICKNESS, TOOL EXPOSED JOINTS (3/8"), AND RAKE OUT FOR SEALANTS AT OPENINGS, EXPANSION AND CONTROL JOINTS.
   C. REMOVE AND REPLACE DAMAGED UNITS, POINT UP JOINTS AND OPENINGS, REMOVE EXCESS MORTAR IN-PROGRESS, AND CLEAN BY WETTING AND CLEANER.

SECTION 044200 - EXTERIOR STONE CLADDING

1. REUSE SALVAGED STONE CLADDING.

2. MORTAR:
   A. MATERIALS: PORTLAND CEMENT, HYDRATED LIME, AGGREGATES (WHITE), AND WATER.
   B. MIXES: COMPLY WITH ASTM C 270; TYPE N FOR SETTING AND POINTING.

3. ANCHORS AND FASTENERS: HOT-DIPPED GALVANIZED STEEL, ASTM A 36 AND ASTM A 123.

4. INSTALLATION:
   A. SET UNITS ACCURATELY IN RANDOM PATTERN TO MATCH EXISTING STONE PATTERN. EDGES AND FACES ALIGNED, 1/8" OR LESS. INSTALL ANCHORS, SUPPORTS AND FASTENERS TO SECURE UNITS IN PLACE, SET IN FULL BED OF MORTAR WITH FULL HEAD JOINTS. INSTALL CONCEALED FLASHING.
   B. LEAVE JOINTS OPEN FOR SEALANT AT CONTROL JOINTS (AND AT COPINGS). RAKE JOINTS FOR POINTING; STRIKE TO SLIGHT CONCAVE PROFILE.
   C. REMOVE AND REPLACE DAMAGED UNITS, REMOVE EXCESS MORTAR IN-PROGRESS, CLEAN WITH WATER AND BRISTLE BRUSHES.
   D. CLEAN BY WETTING AND APPLY PROSOCO "SURE CLEAN 600".

SECTION 055213 - METAL RAILINGS

1. STRUCTURAL PERFORMANCE REQUIREMENTS FOR HANDRAILS AND TOP RAILS OF GUARDS:
   A. UNIFORM LOAD OF 50 LBF/FT (ANY DIRECTION).
   B. CONCENTRATED LOAD OF 200 LBF (ANY DIRECTION).
   C. LOADS NEED NOT BE ASSUMED TO ACT CONCURRENTLY.

2. QUALITY ASSURANCE: WELDING ACCORDING TO AWS A1.1 "STRUCTURAL WELDING CODE-STEEL".

3. STEEL AND IRON:
   A. TUBING: ASTM A 500 (COLD FORMED).
   B. PIPE: ASTM A 53, TYPE F OR TYPE S, GRADE A, STANDARD WEIGHT.
   C. PLATES, SHAPES, AND BARS: ASTM A 36.
   D. CASTINGS: GRAY IRON ASTM A 48, CLASS 30; MALLEABLE IRON ASTM A 47.
   E. SHOP (ZINC-RICH) PRIMER: SSPC-20.
   F. BITUMINOUS PAINT: COLD-APPLIED ASPHALT EMULSION, ASTM D 1187.L. NONSHRINK, NONMETALLIC GROUT: ASTM C 1107.

4. FABRICATION: COMPLY WITH PERFORMANCE REQUIREMENTS, MINIMIZE FIELD SPLICING AND ASSEMBLY, CUT DRILL AND PUNCH CLEANLY AND ACCURATELY, WELDED AND NONWELDED CONNECTIONS, AND INSERTS AND ANCHORS.

5. INSTALLATION: SET RAILINGS ACCURATELY IN LOCATION, ALIGNMENT, AND ELEVATION. FASTEN TO IN-PLACE CONSTRUCTION. USE FULLY WELDED JOINTS TO CONNECT RAILING. SET ANCHORPOSTS IN FORM, SEE CALLOUT ON DRAWINGS. ANCHOR RAILING ENDS AND ATTACH HANDRAILS TO WALL OR COLUMNS WITH WALL BRACKETS.

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DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

SECTION 061000 - ROUGH CARPENTRY

1. LUMBER REQUIREMENTS AND TREATMENTS:
   A. LUMBER: DOC PS 20 AND APPLICABLE RULES OF GRADING AGENCIES INDICATED (S4S).
   B. WOOD-PRESERVATIVE-TREATED LUMBER (WPT): AWPA C2 OR AWFA C31 (IF NOT IN CONTACT WITH GROUND).
   C. FIRE-RETARDANT-TREATED MATERIALS (WFT): AWPA C20 FOR LUMBER; AWPA C27 FOR PLYWOOD.

2. DIMENSION LUMBER FOR FRAMING AND MISCELLANEOUS LUMBER: (19%) MAXIMUM MOISTURE CONTENT, CONSTRUCTION OR NO. 2 GRADE, AND MIXED SOUTHERN PINE; SPIB.

3. FASTENERS: SIZE AND TYPE APPROPRIATE TO BOTH UNIT AND SUBSTRATE. PROVIDE METAL FRAMING ANCHORS FOR CONNECTIONS IN LOAD-BEARING FRAMING.

SECTION 061600 - SHEATHING

1. WALL PANEL PRODUCTS REQUIREMENTS AND TREATMENTS:
   A. PLYWOOD: DOC PS 1 AND APPLICABLE RULES OF GRADING AGENCIES INDICATED.
   B. ORIENTED STRAND BOARD: DOC PS 2.
   C. PRESERVATIVE-TREATED PLYWOOD (WPT): AWPA C9.
   D. FIRE-RETARDANT-TREATED PLYWOOD (WFT): AWPA C27.

2. WALL SHEATHING:
   A. PLYWOOD: (EXPOSURE 1, STRUCTURAL) (EXPOSURE 1), (24/0) SPAN RATING, NOT LESS THAN (3/8") NOMINAL THICKNESS.
   B. ORIENTED-STRAN-BOARD: (EXPOSURE 1, STRUCTURAL) (EXPOSURE 1), (24/0) SPAN RATING, (3/8") MINIMUM THICKNESS.
   C. GLASS-MAT GYPSUM: ASTM C 1177, (REG. 1/2") (TYPE X 5/8").

3. UNDERLAYMENT (NOT LESS THAN 1/4"):
   A. PLYWOOD: DOC PS 1, (EXTERIOR C-C PLUGGED) (EXPOSURE 1 UNDERLAYMENT) WITH FULLY SANDED FACE.
   B. PARTICLEBOARD: ANSI A208.1 GRADE (PBU).
   C. HARDBOARD: AHA A135.4, CLASS 4, SURFACE S1S.

4. FASTENERS: SIZE AND TYPE REQUIRED FOR UNITS AND SUBSTRATES.

5. BUILDING PAPER: ASTM D 226, TYPE 1 (NO. 15 ASPHALT-SATURATED ORGANIC FELT), UNPERFORATED.

6. BUILDING WRAP: ASTM E 1677, TYPE 1 AIR RETARDER: 152 G PER ASTM E 96.

7. FLEXIBLE FLASHING: (0.040") COMPOSITE, SELF-ADHESIVE, PLIABLE, RUBBERIZED-ASPHALT COMPOUND, BONDED TO HIGH-DENSITY, CROSS-LAMINATED POLYETHYLENE FILM.

8. INSTALLATION: WITH MINIMUM NUMBER OF JOINTS, FITTING TIGHTLY AGAINST OTHER CONSTRUCTION, AND SECURELY ATTACHED TO SUBSTRATE BY POWER-DRIVEN FASTENERS.
   A. WOOD STRUCTURAL PANELS: APA FORM NO. E30S.
   B. GYPSUM SHEATHING: GA-253.
   C. FIBERBOARD SHEATHING: ASTM C 846.
   D. PARTICLEBOARD UNDERLAYMENT: NPA.
   E. HARDBOARD UNDERLAYMENT: AHA.

SECTION 062000 - FINISH CARPENTRY

1. INTERIOR STANDING AND RUNNING TRIM:
   A. LUMBER TRIM FOR STAINED FINISH: CLEAR RED OAK, FIELD VERIFY MATCH EXISTING TRIM MATERIAL.
   B. MOLDINGS FOR STAINED FINISH: MATCH EXISTING MATERIAL, SIZE AND PROFILE. FINISH TO MATCH EXISTING.

2. INTERIOR PANELING:
   A. HARDBOARD: MATCH EXISTING, (1/4") THICK, (4' X 8") PANELS, FINISH, - MATCH EXISTING.

3. INSTALLATION: USE ONLY SOUND, SEASONED MATERIAL WITH NO DEFECTIVE SURFACES, SIZES, PATTERNS. SCRIBE AND CUT TO FIT ADJOINING WORK. COUNTERSINK FASTENERS, FILL SURFACE FLUSH, AND SAND. USE MINIMUM NUMBER OF JOINTS PRACTICAL. COPE AT RETURNS AND MITER CORNERS TO PRODUCE TIGHT-FITTING JOINTS.

SECTION 072100 - THERMAL INSULATION

1. INSULATION MATERIALS:
   A. EXTRUDED-POLYSTYRENE BOARD: ASTM C 578, TYPE IV, 1.60 LB/CU. FT. WITH MAXIMUM 75 FLAME AND 450 SMOKE.
   B. FOIL-FACED, POLYISOCYANURATE BOARD INSULATION: ASTM C 1289, TYPE I, CLASS (1) WITH MAXIMUM 75 FLAME AND 450 SMOKE.
   C. UNFACED, GLASS-FIBER BLANKET: ASTM C 655, TYPE I, WITH MAXIMUM 25 FLAME AND 50 SMOKE, ASTM E 136.
   D. FACED, GLASS-FIBER BLANKET: ASTM C 655, TYPE III, CLASS A, CATEGORY 1, FACED WITH (FOIL-SCRIM-POLYETHYLENE) VAPOR RETARDER MEMBRANE ON 1 FACE.

2. VAPOR RETARDERS:
   A. POLYETHYLENE: ASTM D 4397, 6 MILS, WITH MAXIMUM PERMEANCE RATING OF 0.13 PERM.
   B. REINFORCED-POLYETHYLENE: 2 OUTER LAYERS POLYETHYLENE FILM LAMINATED TO INNER REINFORCING LAYER. WEIGHT NOT LESS THAN 25 LB/1000 SQ. FT. AND MAXIMUM PERMEANCE RATING OF 0.0507 PERM.

3. AUXILIARY MATERIALS AND FASTENERS: VAPOR-RETARDER TAPE AND ADHESIVES, EAVE TROUGHS, SPINDLE-TYPE ANCHORS, INSULATION-RETAINING WASHERS, INSULATION STANDOFF SPACERS, AND ANCHOR ADHESIVE AS REQUIRED TO MEET APPLICATION STANDARDS FOR INSTALLATION.

4. INSTALLATION: IN COMPLIANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS APPLICABLE TO PRODUCTS AND APPLICATION. EXTEND INSULATION IN THICKNESS INDICATED TO ENVELOP ENTIRE AREA AND CUT TO FIT TIGHTLY AROUND OBSTRUCTIONS AND SURROUNDINGS MATERIALS.

SECTION 076200 - SHEET METAL FLASHING AND TRIM

1. PROVIDE FORMED SHEET METAL FLASHING AND TRIM AS SHOWN ON DRAWINGS. (AND) (AS FOLLOWS:)

2. SHEET MATERIALS:
   A. ALUMINUM SHEET: ASTM B 209, ALLOY 3003, 3004, 3105, OR 5005, TEMPER NOT LESS THAN H14, AND (MILL) (FACTORY PRIME) (HIGH-PERFORMANCE ORGANIC) (ANODIZED) FINISH.
   B. STAINLESS STEEL SHEET: ASTM A 240, TYPE 304, (2D) FINISH.
   C. PREPAINTED METALLIC-COATED STEEL SHEET (HOT-DIP PROCESS): ASTM A 755.

3. MISCELLANEOUS MATERIALS: FASTENERS, SOLDER, SEALING TAPE, ELASTOMERIC SEALANT, BITUMINOUS COATING, AND ASPHALT ROOFING CEMENT.

4. FABRICATION: CUSTOM FABRICATE TO COMPLY WITH RECOMMENDATIONS IN SMACNA'S "ARCHITECTURAL SHEET METAL MANUAL" THAT APPLY TO DESIGN, DIMENSIONS, METAL, AND OTHER CHARACTERISTICS; SHOP FABRICATE WHERE PRACTICAL; OBTAIN FIELD MEASUREMENTS BEFORE FABRICATION. USE THICKNESS OR WEIGHT REQUIRED, AVOID EXCESSIVE OIL CANNING AND BUCKLING, FORM HEMMED EXPOSED EDGES, PROVIDE SEALED AND EXPANSION JOINTS, AND SECURE WITH CONCEALED FASTENERS WHERE POSSIBLE.

5. INSTALLATION: EXAMINE SUBSTRATE CONDITIONS PRIOR TO INSTALLATION. ANCHOR COMPONENTS SECURELY IN PLACE, WITH PROVISIONS FOR THERMAL AND STRUCTURAL MOVEMENT. PAINT SURFACES TO PROTECT AGAINST GALVANIC ACTION. AVOID EXCESSIVE OIL CANNING, BUCKLING, AND TOOL MARKS. INSTALL TRUE TO LINE AND LEVELS INDICATED AND PROVIDE UNIFORM, NEAT SEAMS. FIT TO SUBSTRATES TO RESULT IN WATERTIGHT PERFORMANCE.

SECTION 079200 - JOINT SEALANTS

1. PROVIDE JOINT SEALANTS THAT ESTABLISH AND MAINTAIN WATERTIGHT AND AIRTIGHT CONTINUOUS SEALS WITHOUT STAINING OR DETERIORATING ADJOINING SUBSTRATES.

2. MATERIALS: COMPATIBLE WITH ONE ANOTHER AND WITH SUBSTRATES UNDER CONDITIONS OF SERVICE AND APPLICATIONS AS FOLLOWS:
   A. EXTERIOR ELASTOMERIC SEALANT: MULTICOMPONENT NONSAG POLYSULFIDE, ASTM C920, TYPE M, GRADE NS, CLASS 25 (PECORA SYNTHACALK GC-2+ OR SONNEBORN SONOLASTIC POLYSULFIDE SEALANT).
   B. EXTERIOR ELASTOMERIC SEALANT: SILYL-TERMINATED POLYETHER TYPE, ASTM C 920, TYPE 2, GRAD NS, CLASS 25, DEGUSSA SONOLASTIC 150.
   C. INTERIOR LATEX SEALANT: ASTM C 834, TYPE OP, GRADE NF (BOSTIC CHEM-CALK 600, PECORA AC-20 +, SONNEBORN SONOLAC, OR TREMCO TREMFLEX 834).
   D. INTERIOR ACOUSTICAL JOINT SEALANT: NONSAG, PAINTABLE, NONSTAINING LATEX SEALANT, ASTM 834 (PECORA AC-20 FTR ACOUSTICAL AND INSULATION SEALANT AND USG SHEETROCK ACOUSTICAL SEALANT.
   E. JOINT SEALANT BACKING: CYLINDRICAL, ASTM C 1330, TYPE C AND POLYETHYLENE BOND-BREAKER TAPE.
   F. MISCELLANEOUS: PRIMER, CLEANERS, AND MASKING TAPE.

3. INSTALLATION: EXAMINE JOINTS AND PREPARE BY CLEANING, PRIMING WHERE RECOMMENDED, AND MASKING ADJOINING SURFACES. COMPLY WITH MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND ASTM C 1193. INSTALL BACKING AND BOND-BREAKERS AND PLACE SEALANTS SO THEY DIRECTLY CONTACT AND FULLY WET SUBSTRATES. TOOL TO PRODUCE SMOOTH, UNIFORM CROSS-SECTIONAL SHAPES AND DEPTHS.

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300 GARST AVENUE
GREENVILLE, OHIO 45331

ISSUE

NO.	DATE	DESCRIPTION
	04/09/24	FOR PERMIT

DATE	04/09/24
JOB NO.	4106
DRAWN	JAK
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TITLE
SPECIFICATIONS

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ARCHITECTURAL SPECIFICATIONS

DIVISION 08 - OPENINGS

SECTION 081416 - FLUSH WOOD DOORS

1. DOORS (GENERAL): COMPLY WITH AWI "ARCHITECTURAL WOODWORK QUALITY STANDARD".
   A. BASIS OF DESIGN: MASONITE.
   B. WARRANTY PERIOD: LIFE OF INSTALLATION.
   C. PARTICLEBOARD CORE DOORS, ANSI A208.1, GRADE LD-2 OR M-2 WITH WOOD BLOCKING.
   D. CONSTRUCTION: 7 PLIES; FACES BONDED TO CORE.
   E. FABRICATION: MACHINE FOR HARDWARE

2. DOORS FOR TRANSPARENT FINISH:
   A. GRADE: PREMIUM, WITH GRADE AA FACE
   B. SPECIES AND CUT: SELECT WHITE OAK, PLAIN SLICED. MATCH EXISTING DOOR SPECIES, CONTRCTOR RESPONSIBLE TO FIELD VERIFY.
   C. EXPOSED EDGES: SAME SPECIES AS FACES.
   D. FACTORY TRANSPARENT FINISH: PREMIUM GRADE, AWI TR-4 CONVERSION VARNISH FINISH SYSTEM, SATIN SHEEN, AND STAINED TO MATCH EXISTING.

5. LIGHT FRAMES:
   A. WOOD BEADS: SAME SPECIES AS DOOR FACES.

6. INSTALLATION: IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND REFERENCED QUALITY STANDARD. ALIGN AND FIT IN FRAMES WITH UNIFORM CLEARANCES OF 1/8". SEAL CUT SURFACES OF JOB-FITTED DOORS. REHANG OR REPLACE DOORS THAT DO NOT SWING OR OPERATE FREELY. REPLACE DAMAGED FINISHED DOORS.

SECTION 084113 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

1. ENTRANCE MATERIALS:
   A. MANUFACTURER: SEE DRAWINGS.
   B. FRAMING SYSTEM: SEE DRAWINGS
   C. GLAZING SYSTEM: ELASTOMERIC GLAZING GASKETS FOR (1/4") GLASS.
   D. DOORS: 1 3/4" THICK, (WIDE STILE).
   E. DOOR HARDWARE: ENTRANCE MANUFACTURER'S STANDARD PUSH-PULLS (EXIT DEVICES) DOOR CLOSERS, BUTTS, LOCKS, THRESHOLDS, AND WEATHERSTRIPPING. SEE DRAWINGS.
   F. ACCESSORIES: BITUMINOUS PAINT.
   G. ALUMINUM FINISH: CLASS I, COLOR ANODIC, AA-M12C22A42/A44, DARK BRONZE

2. ENTRANCE FABRICATION: FOR SCREW-SPLINE FRAMING WITH, ACCURATELY FIT JOINTS, COPED OR MITERED CORNERS, AND HAIRLINE JOINTS. REPLACEMENT GLAZING FROM EXTERIOR.

3. ENTRANCE INSTALLATION: COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. PROTECT AGAINST GALVANIC ACTION. INSTALL COMPONENTS PLUMB AND TRUE IN ALIGNMENT WITH ESTABLISHED LINES AND GRADES AND TO DRAIN WATER AND CONDENSATION. SET SILLS IN FULL SEALANT BED AND INSTALL GLAZING PER SECTION 08800 - GLAZING. ADJUST OPERATING HARDWARE FOR SMOOTH OPERATION.

SECTION 085113 - ALUMINUM WINDOWS

1. WINDOW MATERIALS:
   A. PERFORMANCE: AAMA/WDMA 101/1.5.2/NAFS.
   B. TYPE: FIXED
   C. MANUFACTURER: SEE DRAWING
   D. GLAZING: BEAD AND WEDGE.
   E. ANNEALED FLOAT GLASS: ASTM C 1036, TYPE 1, QUALITY-Q3, 1/4" THICK, ULTRA-CLEAR.
   F. INSULATING GLASS: (LOW-E INSULATING , ASTM E 774 FOR CLASS CBA UNITS WITH 10 YEAR WARRANTY), AS FOLLOWS: OVERALL THICKNESS: (1"); (EACH LITE 1/4"). SPACER AND SEAL: MANUFACTURER'S STANDARD.
      INDOOR LITE: (TYPE I, CLASS 1, CLEAR FLOAT GLASS).
      OUTDOOR LITE: (TYPE I, CLASS 2, TINTED FLOAT GLASS).
   G. HARDWARE: SEE DRAWINGS.
   H. ACCESSORIES: NONCORROSIVE FASTENERS, REINFORCEMENT, ANCHORS, (SCREENS), AND CLIPS.
   I. FINISHES: CLASS I, COLOR ANODIC, AA-M12C22A32/A44, DARK BRONZE

2. WINDOW FABRICATION: COMPLY WITH AAMA/NWWDA 101.I.S.2 PERFORMANCE REQUIREMENTS. INCLUDE COMPLETE SYSTEM FOR ASSEMBLING COMPONENTS AND ANCHORING WINDOWS. FACTORY-GLAZE WITH SNAP-ON INTERIOR GLAZING STOPS.

3. WINDOW INSTALLATION: COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS FOR INSTALLING WINDOWS, HARDWARE, ACCESSORIES, AND OTHER COMPONENTS. PROTECT AGAINST GALVANIC ACTION. INSTALL COMPONENTS PLUMB, TRUE IN ALIGNMENT WITH ESTABLISHED LINES AND GRADES AND TO DRAIN CONDENSATION AND PENETRATING WATER. SET SILLS IN FULL SEALANT BED. ADJUST OPERATING SASHES AND VENTILATORS, HARDWARE, AND OPERATORS FOR TIGHT FIT AND SMOOTH OPERATION.

SECTION 087100 - DOOR HARDWARE

1. SUPPLIER QUALIFICATIONS: EMPLOYEE CURRENTLY CERTIFIED BY DHI AS AN ARCHITECTURAL HARDWARE CONSULTANT AND RESPONSIBLE FOR PREPARATION OF DOOR HARDWARE AND KEYING SCHEDULES.

2. MANUFACTURER AND SERIES:
   A. HINGES: (HAGER BBI279 4-1/2 X 4-1/2).
   B. LOCKSETS (EXTRA HEAVY DUTY COMMERCIAL), (BORED, GRADE 1), (SCHLAGE D-SERIES), (RHO LEVER).
   C. EXIT DEVICES: (VON DUPRIN 99).
   D. CLOSERS: (LCN 4040).
   E. WALL STOPS: (IVES 407)
   F. THRESHOLDS: (NATIONAL GUARD 896).
   G. PUSH-PULL PLATES: (ROCKWOOD 70 6" X 16") AND (107 X 70C 4" X 16").
   H. WEATHERSTRIPPING: (NATIONAL GUARD 133NDKB).
   K. KEYING SYSTEM: MATCH EXISTING.

3. FINISHES: BHMA (626)

4. INSTALLATION: MOUNT UNITS AT HEIGHTS PER DHI'S "RECOMMENDED LOCATIONS FOR ARCHITECTURAL HARDWARE FOR WOOD FLUSH DOORS". ADJUST AND CHECK EACH OPERATING ITEM TO ENSURE PROPER FUNCTION.

5. HARDWARE SETS: SEE DRAWINGS.

SECTION 088000 - GLAZING

1. GLASS PRODUCTS:
   A. ANNEALED FLOAT GLASS: ASTM C 1036, TYPE I, QUALITY Q3, CLASS I.
   B. HEAT-TREATED (FULLY TEMPERED) FLOAT GLASS: ASTM C 1048, TYPE I, QUALITY-Q3, CLASS I, KIND FT.
   C. INSULATING GLASS: FACTORY-ASSEMBLED, SEEDED LITES OF LOW-E GLASS SEPARATED BY DEHYDRATED INNERSPACE, ASTM E 774 FOR CLASS CBA AND AS FOLLOWS: OVERALL THICKNESS: (1"); (EACH LITE 1/4"). SPACER AND DUAL SEAL: MANUFACTURER'S STANDARD.
      INDOOR LITE: (TYPE I, CLASS 1, CLEAR FLOAT GLASS).
      OUTDOOR LITE: (TYPE I, CLASS 2, TINTED FLOAT GLASS).
   D. GLAZING GASKETS: NEOPRENE, ASTM C 864.
   E. GLAZING SEALANTS: NEUTRAL-CURING SILICONE, CLASS 50, TYPE S, GRADE NS (DOW 791 OR PECORA 865).
   H. GLAZING TAPES: PREFORMED, BUTLY-BASED ELASTOMERIC, ASTM C 1281 AND AAMA 800.
   I. ACCESSORIES: PRIMERS, SEALERS, SETTING BLOCKS, SPACERS, AND EDGE BLOCKS.

2. INSTALLATION: COMPLY WITH COMBINED WRITTEN INSTRUCTIONS OF MANUFACTURERS OF GLASS, SEALANTS, GASKETS, AND OTHER GLAZING MATERIALS. PROVIDE NECESSARY BITE, MINIMUM EDGE AND FACE CLEARANCES, ADEQUATE SEALANT THICKNESS, AND REASONABLE TOLERANCES. INSTALL SETTING BLOCKS AND PROVIDE PRIMERS, SPACERS, AND EDGE BLOCKS WHERE REQUIRED. SET GLASS UNITS BY TAPE GLAZING.

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DIVISION 09 - FINISHES

SECTION 092216 - NON-STRUCTURAL METAL FRAMING

1. FRAMING MEMBERS, GENERAL: COMPLY WITH ASTM C 754 FOR CONDITIONS INDICATED.
   A. STEEL SHEET COMPONENTS: ASTM C 645.
   B. PROTECTIVE COATING: ASTM A 653/A 653M G40, HOT-DIP GALVANIZED.

2. SUSPENSION SYSTEM COMPONENTS:
   A. TIE WIRE: ASTM A 641/A, CLASS 1, ZINC COATING, 0.0625".
   B. WIRE HANGERS: ASTM A 641/A, CLASS 1, ZINC COATING, 0.162".
   C. CARRYING CHANNELS: COLD-ROLLED, STEEL SHEET, 0.0538" WITH MINIMUM 1/2" FLANGES.
   D. FURRING CHANNELS: COLD-ROLLED, STEEL SHEET, 0.0538" WITH MINIMUM 1/2" FLANGES, 3/4" DEEP.
   E. HAT-SHAPED RIGID FURRING CHANNELS: ASTM C 645, 7/8".

3. STEEL FRAMING FOR FRAMED ASSEMBLIES:
   A. STEEL STUDS AND RUNNERS: ASTM C 645, (0.0312, 20 GAUGE), (3-5/8") DEPTH (AND SLIP-TYPE HEAD JOINTS).
   B. RESILIENT FURRING CHANNELS: 1/2" DEEP, ASYMMETRICAL OR HAT SHAPED.
   C. COLD-ROLLED FURRING CHANNELS: 0.053", WITH 1/2" FLANGES AND 3/4" DEEP (UNLESS OTHERWISE INDICATED).
   D. Z-SHAPED FURRING: 0.0179" WITH 1-1/4" WEB FACE, 7/8" WALL ATTACHMENT FLANGE, AND DEPTH REQUIRED TO FIT INSULATION THICKNESS.

4. INSTALLATION STANDARD: ASTM C 754 AND (ASTM C 840 FOR GYPSUM BOARD ASSEMBLIES). INSTALL FRAMING AND BLOCKING TO SUPPORT FIXTURES, EQUIPMENT SERVICES, GRAB BARS, TOILET ACCESSORIES, OR SIMILAR CONSTRUCTION. INSTALL STUDS AT (16") (24") O.C.

SECTION 092900 - GYPSUM BOARD

1. INTERIOR GYPSUM BOARD: ASTM A 36.
   A. TYPICAL CONDITIONS.5/8" TYPE X.
   B. WET AREAS: 5/8" TYPE X, MOISTURE/MOLD RESISTANT TYPE.
   C. FIRE WALLS: 5/8" TYPE C.
   D. CEILINGS. 1/2" CEILING TYPE.
   E. EXTERIOR WALLS: 5/8" TYPE X, FOIL-BACKED.

2. EXTERIOR GYPSUM SOFFIT BOARD: ASTM C 931, 1/2" REGULAR.

3. AUXILIARY MATERIALS:
   A. JOINT TREATMENT: JOINT TAPE AND COMPOUND FOR APPROPRIATE MATERIALS & APPLICATION.
   B. TRIM ACCESSORIES: CONTROL JOINTS, CORNER BEADS,BULLNOSE BEADS, AND EDGE BEADS.
   C. FASTENERS: STEEL DRILL SCREWS, ASTM C 100 (LAMINATING ADHESIVE FOR DIRECT ADHERENCE).
   D. SOUND ATTENUATION BLANKETS: (2') ASTM C 665, TYPE I.

4. APPLICATION AND FINISH: COMPLY WITH ASTM C 840.
   (SINGLE-LAYER) APPLICATION WITH EDGE AND END JOINTS OVER SUPPORTS AND VERTICAL JOINTS STAGGERED ON OPPOSITE SIDES OF PARTITIONS. ATTACH TRIM ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS. FINISH BOARD IN CONCEALED AREAS TO LEVEL 1 AND TO LEVEL 4 IN EXPOSED AREAS.

SECTION 099100 - PAINTING

1. PRODUCTS: COMPLY WITH "MPI APPROVED PRODUCTS LIST". APPROVED MANUFACTURER(S): (BENJAMIN MOORE) (MAB) (SHERWIN-WILLIAMS).

2. EXTERIOR PAINTING WITH CUSTOM (PREMIUM) GRADE SYSTEMS:
   A. STEEL SUBSTRATES:
      1. PRIME COAT: ALKYD METAL PRIMER (MPI #79).
      2. TOPCOAT: EXTERIOR ALKYD ENAMEL (SEMI-GLOSS) (MPI #94).
   B. GALVANIZED-METAL SUBSTRATES:
      1. PRIME COAT: GALVANIZED-METAL PRIMER (MPI #134).
      2. TOPCOAT: EXTERIOR LATEX (SEMI-GLOSS) (MPI #11).

3. INTERIOR PAINTING WITH CUSTOM (PREMIUM) GRADE SYSTEMS:
   A. WOOD PANELS AND TRIM:
      1. PRIME COAT: INTERIOR LATEX WOOD PRIMER/SEALER (MPI #39).
      2. TOPCOAT: INTERIOR ALKYD (SEMIGLOSS) (MPI #47).
   D. GYPSUM BOARD SUBSTRATES:
      1. PRIMER: INTERIOR LATEX PRIMER/SEALER (MPI #50).
      2. TOPCOAT:INTERIOR LATEX (SATIN) (MPI #43). (2) TOPCOATS.

4. STAINING AND TRANSPARENT FINISHING WITH CUSTOM (PREMIUM) GRADE SYSTEMS:
   A. INTERIOR FINISH CARPENTRY SUBSTRATES: POLYURETHANE VARNISH OVER STAIN SYSTEM (MPI INT 63E).
      1. STAIN COAT: INTERIOR SEMI-TRANSPARENT WOOD STAIN.
      2. TWO FINISH COATS: INTERIOR, OIL-MODIFIED, CLEAR URETHANE SATIN.

5. PREPARE AND APPLY COMPLYING WITH REQUIREMENTS IN "MPI ARCHITECTURAL PAINT SPECIFICATIONS MANUAL" AND MANUFACTURER'S WRITTEN INSTRUCTIONS.
   A. APPLY ONLY WHEN SURFACE AND AIR TEMPERATURES ARE BETWEEN 50 & 95 DEG F.
   B. CLEAN SUBSTRATES OF SUBSTANCES THAT MAY IMPAIR BONDING, INCLUDING DIRT, OIL, GREASE, RUST, AND INCOMPATIBLE PAINT.
   C. COUNTERSINK STEEL NAILS AND PUTTY(TINTED).
   D. APPLY BY BRUSH UNLESS OTHERWISE NOTED OR APPROVED.
   E. APPLY ADDITIONAL COATS UNTIL UNDERCOATS OR OTHER CONDITIONS DO NOT SHOW THROUGH.

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DIVISION 31 - EARTHWORK

SECTION 311000 - SITE CLEARING

1. PREPARATION:
   A. PROTECT EXISTING SITE IMPROVEMENTS TO REMAIN AND RESTORE DAMAGED IMPROVEMENTS TO THEIR ORIGINAL CONDITION.
   B. PROVIDE TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES TO PREVENT SOIL EROSION, WATER RUN-OFF, OR AIRBORNE DUST.
   C. pROTECT ADJACENT VEGETATION TO REMAIN.
   D. VERIFY UTILITIES HAVE BEEN DISCONNECTED AND CAPPED BEFORE PROCEEDING WITH WORK.

2. CLEARING:
   A. SITE IMPROVEMENTS: REMOVE EXISTING ABOVE AND BELOW GRADE IMPROVEMENTS AS INDICATED AND AS NECESSARY TO FACILITATE NEW CONSTRUCTION. REMOVE SLABS, PAVING, CURBS, GUTTERS, AND AGGREGATE BASE AS INDICATED.
   D. DISPOSAL: REMOVE SURPLUS SOIL MATERIAL, UNSUITABLE TOPSOIL, OBSTRUCTIONS, DEMOLISHED MATERIALS, AND WASTE MATERIALS INCLUDING TRASH AND DEBRIS, AND LEGALLY DISPOSE OF OFF-SITE.

SECTION 312000 - EARTH MOVING

1. SOIL MATERIALS:
   A. SATISFACTORY SOILS: AASHTO M 145 SOIL CLASSIFICATION GROUPS A-1-A, A-1-B, A-2-4, A-2-6, A-2-7, A-3, AND A-3-A.
   B. UNSATISFACTORY SOILS: AASHTO M 145 SOIL CLASSIFICATION GROUPS A-2-5, A-5, AND A-7-S.
   C. SUBBASE MATERIAL: ODOT ITEM 304.
   D. BASE COURSE: ODOT ITEM 304.
   E. ENGINEERED FILL: ODOT SIZE 67.
   F. BEDDING COURSE: ODOT SIZE 67.
   G. DRAINAGE COURSE: ODOT SIZE 57.
   H. FILTER MATERIAL: ODOT SIZE 67.
   I. SAND: ASTM C 33, FINE AGGREGATE, NATURAL, OR MANUFACTURED SAND.

2. DEWATERING:
   A. PREVENT SURFACE AND GROUND WATER FROM ENTERING EXCAVATIONS, PONDING SUBGRADES, AND FLOODING PROJECT SITE.
   B. PROTECT SUBGRADES FROM SOFTENING OR DAMAGE BY RAIN OR WATER ACCUMULATION.

3. EXCAVATION:
   A. GENERAL: EXCAVATE TO SUBGRADE ELEVATIONS.
   B. STRUCTURES: EXCAVATE TO INDICATED ELEVATIONS AND DIMENSIONS. EXTEND EXCAVATIONS SUFFICIENT DISTANCE FROM STRUCTURE FOR PLACING AND REMOVING FORMWORK, INSTALLING SERVICES, AND FOR INSPECTIONS.
   C. WALKS AND PAVEMENTS: EXCAVATE SURFACES UNDER WALKS AND PAVEMENTS TO INDICATED LINES, CROSS SECTIONS, ELEVATIONS, AND SUBGRADES.
   D. SUBGRADE INSPECTION: MUST INSPECT EXCAVATIONS AND APPROVE SUBGRADE SOIL. REMOVE UNSATISFACTORY SOIL AND REPLACE WITH COMPACTED BACKFILL OR FILL MATERIAL.
   E. SUBGRADES SHALL BE FREE OF MUD, FROST, SNOW AND ICE PRIOR TO PLACEMENT OF MATERIAL FILLS, BACKFILLS, AND COURSES.

4. BACKFILL:
   A. GENERAL: PLACE AND COMPACT BACKFILL IN EXCAVATIONS PROMPTLY.

5. SOIL FILL: PLACE AND COMPACT FILL MATERIAL IN LAYERS TO REQUIRED ELEVATIONS AS FOLLOWS:
   A. GRASS AND PLANTED AREAS: SATISFACTORY SOIL MATERIAL.
   B. WALKS AND PAVEMENTS: SATISFACTORY SOIL MATERIAL.
   C. STEPS AND RAMPS: ENGINEERED FILL.
   D. FOOTINGS AND FOUNDATIONS: ENGINEERED FILL.

6. SOIL MOISTURE CONTROL: UNIFORMLY MOISTEN OR AERATE SUBGRADE AND EACH SUBSEQUENT FILL OR BACKFILL SOIL LAYER BEFORE COMPACTION TO WITHIN 2% OF OPTIMUM MOISTURE CONTENT.

7. COMPACTION OF SOIL BACKFILLS AND FILLS:
   A. PLACE IN LAYERS NOT MORE THAN 8" IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY EQUIPMENT AND NOT MORE THAN 4" IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND OPERATED TAMPERS.
   B. COMPACT TO NOT LESS THAN FOLLOWING PERCENTAGES OF MAXIMUM DRY UNIT WEIGHT ACCORDING TO ASTM D 698:
      1. STRUCTURES, SLABS, STEPS AND PAVEMENTS: (100%).
      2. WALKWAYS: (92%).
      3. LAWN OR UNPAVED AREAS: (85%).

8. GRADING: UNIFORMLY GRADE AREAS TO SMOOTH SURFACE, FREE OF IRREGULAR SURFACE CHANGES, AND TO CROSS SECTIONS, LINE AND ELEVATIONS INDICATED. SLOPE SUBGRADES TO DIRECT WATER WAY FROM BUILDINGS AND TO PREVENT PONDING.

9. SUBSURFACE DRAINAGE: PROVIDE SUBSURFACE DRAINAGE BACKFILL FOR WALLS AND TRENCHES. COMPACT IN 6" LAYERS TO 85% OF MAXIMUM DRY UNIT WEIGHT (ASTM D 698) AND TO WITHIN 12" OF FINAL SUBGRADE.

10. BASE COURSES: ON PREPARED SUBGRADE, PLACE BASE COURSE UNDER PAVEMENTS AND WALKS AS FOLLOWS:
    A. SHAPE TO CROWN ELEVATIONS AND CROSS SLOPE.
    B. PLACE COURSE IN 6" OR LESS IN SINGLE LAYER.
    C. PLACE COURSE THAT EXCEEDS 6" IN LAYERS OF EQUAL THICKNESS (6" MAXIMUM, 3" MINIMUM).
    D. COMPACT AT MAXIMUM MOISTURE CONTENT TO NOT LESS THAN (95%) OF MAXIMUM DRY UNIT WEIGHT (ASTM D 698).

11. DRAINAGE COURSE: ON PREPARED SUBGRADE, PLACE AND COMPACT DRAINAGE UNDER CONCRETE SLABS AS FOLLOWS:
    A. PLACE COURSE IN 6" OR LESS SINGLE LAYER.
    B. PLACE COURSE THAT EXCEEDS 6" IN LAYERS OF EQUAL THICKNESS (6" MAXIMUM, 3" MINIMUM).
    C. COMPACT TO REQUIRED CROSS SECTIONS AND THICKNESSES TO NOT LESS THAN (98%) MAXIMUM DRY UNIT WEIGHT (ASTM D 698).

12. FIELD QUALITY CONTROL:
    A. INDEPENDENT TESTING AGENCY PROVIDED BY OWNER
    B. TESTING IN PLACE ACCORDING TO ASTM D 1556, ASTM D 2167, ASTM D 2922, AND ASTM D 2937, AS APPLICABLE.
    C. LOCATION AND FREQUENCY OF TESTING:
       1. PAVED AND BUILDING SLAB AREAS: 1 PER 2000 SF (MINIMUM OF 2).

13. DISPOSAL OF SURPLUS AND WASTE MATERIALS:
    A. SURPLUS SATISFACTORY SOIL: STOCKPILE OR SPREAD AS DIRECTED BY ARCHITECT, IF SPACE IS NOT ALLOCATED LEGALLY DISPOSE OFF SITE.
    B. WASTE MATERIAL AND UNSATISFACTORY SOIL: LEGALLY DISPOSE OFF SITE.

* *

DIVISION 32 - EXTERIOR IMPROVEMENTS

SECTION 321313 - CONCRETE PAVING

1. CONCRETE MIX (ACI 301):
   A. COMPRESSIVE STRENGTH (28 DAYS): (4500) PSI.
   B. MAXIMUM WATER-CEMENT RATIO: (0.45).
   C. SLUMP LIMIT: (4").
   D. AIR CONTENT: (6%).

2. STEEL REINFORCEMENT:
   A. PLAIN-STEEL WELDED WIRE FABRIC: ASTM A 185.
   B. REINFORCING BARS: ASTM A 615, GRADE 60.

3. PAVEMENT-MARKING PAINT: ODOT 642, (6") WIDE, YELLOW.

4. EXPANSION- AND ISOLATION-JOINT-FILLER STRIPS: ASPHALT-SATURATED CELLULOSIC FIBER (ASTM D 1751).

5. PREPARATION:
   A. FORMS & SCREEDS: SET, BRACE AND SECURE.
   B. STEEL REINFORCEMENT: COMPLY WITH CRSI'S "MANUAL OF STEEL PRACTICE".
   C. SET CONSTRUCTION JOINTS (EXPANSION JOINTS AT MAXIMUM OF 30') AND ISOLATION JOINTS (AGAINST ABUTTING CONCRETE AND OTHER FIXED OBJECTS).

6. CONCRETE PLACEMENT:
   A. COMPLY WITH ACI 301 MEASURING, TRANSPORTING, AND PLACING.
   B. COLD WEATHER: COMPLY WITH ACI 306.1 (HEAT WATER AND AGGREGATES).
   C. HOT WEATHER: COMPLY WITH ACI 301 (COOL INGREDIENTS).
   D. FLOAT FINISHING: INCLUDES SCREENING, BULL FLOATING, POWER FLOATING, AND (TEXTURED BROOM FINISH) (BURLAP FINISH).
   E. CONTROL JOINTS: SECTION CONCRETE INTO AREAS AS INDICATED. ALIGN WITH EXISTING CONTROL JOINTS.

7. PAVEMENT TOLERANCES PER ACI 117 AND AS FOLLOWS:
   A. ELEVATION: 1/4".
   B. THICKNESS: PLUS 3/8", MINUS 1/4".
   C. SURFACE (GAP BELOW 10'): 1/4".

SECTION 329200 - TURF AND GRASSES

1. PLANTING RESTRICTIONS: PLANT DURING SPRING/ FALL AND PROCEED ONLY WHEN EXISTING AND FORECASTED WEATHER CONDITIONS PERMIT.

2. GRASS SEED: STATE-CERTIFIED SEED OF GRASS SPECIES AS FOLLOWS:
   A. KENTUCKY BLUEGRASS (50%)
   B. CHEWING RED FESCUE (30%)
   C. PERENNIAL RYEGRASS (10%)
   D. REDTOP (10%).

3. TURFGRASS SOD: STATE-CERTIFIED SEED OF GRASS SPECIES AS FOLLOWS:
   A. KENTUCKY BLUEGRASS (50%)
   B. CHEWING RED FESCUE (30%)
   C. PERENNIAL RYEGRASS (10%)
   D. REDTOP (10%).

4. TOPSOIL: ASTM D 5268, PH RANGE OF 5.5 T0 7, MINIMUM OF 4% ORGANIC MATERIAL; FREE OF STONES AND OTHER MATERIALS HARMFUL TO PLANT GROWTH. CONTRACTOR MAY REUSE SURFACE SOIL STOCKPILED ON-SITE.

5. FERTILIZER: COMMERCIAL-GRADE COMPLETE FERTILIZER OF NEUTRAL CHARACTER, CONSIST OF NITROGEN, PHOSPHORCUS, AND POTASSIUM IN AMOUNTS PER SOIL CONDITIONS.

6. MULCH: STRAW MULCH FOR LAWN AREAS AND SPHAGNUN PEAT MOSS IN PLANTING AREAS.

7. LAWN PREPARATION:
   A. LOOSEN SUBGRADE TO MINIMUM DEPTH OF (4").
   B. REMOVE STONES AND STICKS, ROOTS, TRASH, AND OTHER EXTRANEOUS MATTER.
   C. SPREAD TOPSOIL TO MINIMUM DEPTH OF (4"), BUT NOT LESS THAN REQUIRED TO MEET FINISH GRADES AFTER LIGHT ROLLING.

8. SOW SEED WITH SPREADER OR SEEDING MACHINE: RATE OF (3 TO 4) LB/1000 SQ FT. RAKE LIGHTLY INTO 1/8" TOPSOIL, ROLL LIGHTLY AND WATER WITH FINE SPRAY. PROTECT WITH STRAW MULCH. PROVIDE EROSION CONTROL BLANKETS OR MESH IF SLOPES EXCEED 1:4.

9. LAY SOD WITHIN 24 HOURS OF HARVESTING. LAY TO FORM SOLID MASS, BUTTING ENDS AND SIDES AND STAGGERING JOINTS. TAMP AND ROLL LIGHTLY. SATURATE WITH FINE WATER SPRAY.

* *

DIVISION 33 - UTILITIES

SECTION 334600 - SUBDRAINAGE

1. MATERIALS:
   A. PERFORATED-WALL PIPES AND FITTING: POLYETHYLENE PLASTIC, ASTM F 405 (NPS 6 AND SMALLER).
   B. CLEANOUTS: ASTM D 3034, POLYVINYL CHLORIDE PLASTIC WITH THREADED PLUG AND PIPE TUB.
   C. GEOTEXTILE FILTER FABRIC: POLYPROPYLENE PLASTIC, (36").
   D. SOIL MATERIALS: SEE SECTION 312000 - EARTH MOVING.

2. FOUNDATION-DRAINAGE INSTALLATION:
   A. PLACE IMPERVIOUS FILL ON SUBGRADE AND COMPACT (MINIMUM 6" DEEP AND 12" WIDE).
   B. LAY GEOTEXTILE FILTER FABRIC OVER DRAINAGE COURSE (OVERLAP TRENCH SIDES).
   C. PLACE AND COMPACT SUPPORTING LAYER OF DRAINAGE COURSE (MINIMUM 4" DEEP).
   D. INCASE PIPE WITH GEOTEXTILE FILTER FABRIC AND INSTALL PER "PIPING INSTALLATION" PARAGRAPH.
   E. ADD DRAINAGE COURSE TO TOP OF PIPE TO PERFORM TESTS AND, AFTER SATISFACTORY TESTING, CONTINUE TO WITHIN 12" OF FINISH GRADE.
   F. INSTALL GEOTEXTILE FILTER FABRIC OVER DRAINAGE COURSE.
   G. FINAL BACKFILL TO FINISH ELEVATIONS AND SLOPE AWAY FROM BUILDING.

3. PIPING INSTALLATION: INSTALL BEGINNING AT LOW POINT OF SYSTEM, TRUE TO GRADES AND ALIGNMENT, WITH UNBROKEN CONTINUITY OF INVERT. INSTALL ACCORDING TO ASTM D 2321.
   A. FOUNDATION SUBDRAINAGE: MINIMUM SLOPE OF 5%.

4. CLEANOUT INSTALLATION: INSTALL FROM PIPING TO GRADE. LOCATE AT BEGINNING OF PIPING RUN AND AT CHANGES IN DIRECTION.

* *

END OF ARCHITECTURAL SPECIFICATIONS

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STATE OF OHIO · TIMOTHY J. BEMENT · 12305 · REGISTERED ARCHITECT

Timothy J. Bement, License #12305
Expiration Date 12/31/2025

DARKE COUNTY
GARST AVE. ENTRY RAMP PROJECT
300 GARST AVENUE
GREENVILLE, OHIO 45331

ISSUE

NO.	DATE	DESCRIPTION
	04/09/24	FOR PERMIT

DATE	04/09/24
JOB NO.	4106
DRAWN	JAK
CHECKED	MES/TJB

TITLE
SPECIFICATIONS

SHEET NO.
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ABBREVIATIONS

SYMBOL	
@	AT
&	AND
L	ANGLE
Ø	DIAMETER
℄	CENTER LINE
▱	PLATE

A	
ABV	ABOVE
A/C	AIR CONDITIONING
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLER UNIT
AL	ALUMINUM
ALT	ALTERNATE
ANOD	ANODIZED
ANCH	ANCHOR
APPROX	APPROXIMATELY
ARCH	ARCHITECT OR ARCHITECTURAL
ATTEN	ATTENUATED
AUTO	AUTOMATIC
AVG	AVERAGE

B	
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BOT	BOTTOM
BRG	BEARING
BSMT	BASEMENT

C	
CAB	CABINET
CB	CATCH BASIN
C/C	CENTER TO CENTER
CF	CUBIC FOOT
CFCI	CONTRACTOR FURNISH, CONTRACTOR INSTALL
CFOI	CONTRACTOR FURNISH, OWNER INSTALL
CG	CORNER GUARD
CJ	CONTROL JOINT
CLG	CEILING
CL	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS OR CONTINUE
CPU	CENTRAL PROCESSING UNIT (COMPUTER)
CY	CUBIC YARD

D	
DBL	DOUBLE
DEMO	DEMOLISH, DEMOLITION
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DS	DOWNSPOUT
DWG	DRAWING
DTL	DETAIL

E	
EA	EACH
EC	ELECTRICAL CONTRACTOR
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRIC OR ELECTRICAL
ELEV	ELEVATION OR ELEVATOR
EMERG	EMERGENCY
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXIST OR EX	EXISTING
EXP	EXPANSION
EXT	EXTERIOR

F	
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FIN	FINISH OR FINISHED
FLR	FLOOR
FND	FOUNDATION
FRT	FIRE RETARDANT TREATED WOOD
FT	FOOT OR FEET OR FULLY TEMPERED
FTG	FOOTING
FUR	FURRING
FV	FIELD VERIFY
FOW	FACE OF WALL

G	
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GD	GRADE OR GRADING
GEN	GENERAL
GL	GLASS OR GLAZING
GND	GROUND
GYP	GYPSUM
GWB	GYPSUM BOARD
GWT	GLAZED WALL TILE

H	
HB	HOSE BIBB
HDW	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT
HVAC	HEATING, VENTILATION & AIR CONDITIONING
HWD	HARDWARE

I	
ID	INSIDE DIAMETER
IN	INCH
INCL	INCLUDE (D) (ING)
INT	INTERIOR
INV	INVERT

J	
JB	JUNCTION BOX
JC	JANITOR CLOSET

L	
L	LONG
LAV	LAVATORY
LBS	POUNDS
LH	LEFT HAND
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LTL	LINTEL
LVR	LOUVER

M	
M	MEN OR METER
MAS	MASONRY
MAT	MATERIAL
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MOUNTING HEIGHT, MANHOLE
MIL	THOUSANDTHS OF AN INCH
MM	MILLIMETER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTD	MOUNTED
MTL	METAL

N	
N	NORTH OR NITROGEN
NC	NURSE CALL
NIC	NOT IN CONTRACT
NO	NUMBER OR NITROUS OXIDE
NOM	NOMINAL
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE

O	
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISH, CONTRACTOR INSTALL
OFOI	OWNER FURNISH, OWNER INSTALL
OFVI	OWNER FURNISH, VENDOR INSTALL
OH	OVERHEAD
OHD	OVERHEAD DOOR
OPNG	OPENING
OPP	OPPOSITE
O_2	OXYGEN

P	
PAR	PARALLEL
PC	PLUMBING CONTRACTOR
PCF	POUNDS PER CUBIC FOOT
PL	PLATE OR PROPERTY LINE
PLBG	PLUMBING
PLWD	PLYWOOD
PME	PLUMBING, MECHANICAL & ELECTRICAL
PNL	PANEL
PR	PAIR
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE

Q	
QTY	QUANTITY

R	
R	RADIUS
RA	RETURN AIR
RB	RUBBER BASE
RD	ROOF DRAIN
RECEPT	RECEPTACLE
REF	REFERENCE
REINF	REINFORCE
REQD	REQUIRED
RET	RETURN
REV	REVISION
RH	RIGHT HAND
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY

S	
S	SOUTH
SAN	SANITARY
SB	SINK BASE
SCHED	SCHEDULE
SEAL	SEALANT
SECT	SECTION
SF	SQUARE FEET
SG	SAFETY GLASS
SH	SPRINKLER HEAD OR SHOWER HEAD
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SPEC	SPECIFICATION(S)
SPK	SPEAKER
SQ	SQUARE
ST	STREET
STC	SOUND TRANSMISSION CLASSIFICATION
STD	STANDARD
STL	STEEL
STR	STRUCTURAL
SUSP	SUSPENDED
SV	SHEET VINYL
SYS	SYSTEM

T	
T & G	TONGUE & GROOVE
TB	TOWEL BAR
T&B	TOP AND BOTTOM
TEL	TELEPHONE
TOC	TOP OF CONCRETE
TOS	TOP OF STEEL
TOM	TOP OF MASONRY
TOW	TOP OF WALL
TRANS	TRANSFORMER
TV	TELEVISION
TYP	TYPICAL

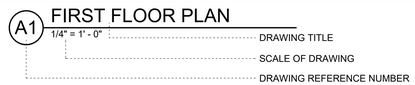
U	
UC	UNDER CABINET OR COUNTER
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE

V	
V	VACUUM
VB	VAPOR BARRIER
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VS	VACUUM SLIDE

W	
W	WIDE OR WEST OR WOMEN
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET OR WALL CABINET
WD	WOOD
WIN	WINDOW
WP	WORK POINT
WPT	WOOD PRESERVATIVE TREATMENT
WT	WEIGHT
WWF	WELDED WIRE FABRIC

REFERENCE SYMBOLS

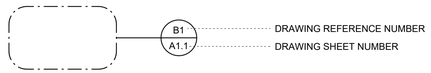
DRAWING TITLE



INTERIOR ELEVATIONS

BUILDING/DETAIL SECTION

ENLARGED DETAIL



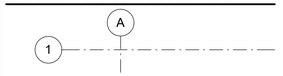
EXTERIOR ELEVATIONS

MATCH LINE

MATERIAL SYMBOLS IN SECTION

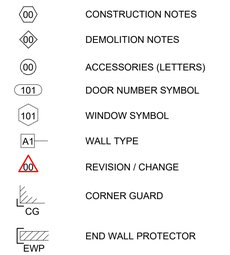
DRAWING SYMBOLS

COLUMN CENTER LINES

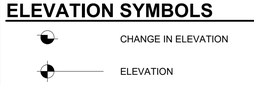


ROOM SYMBOL

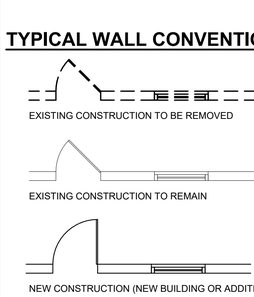
PLAN SYMBOLS



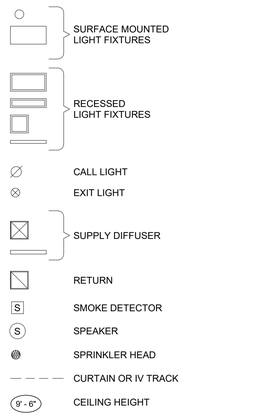
ELEVATION SYMBOLS



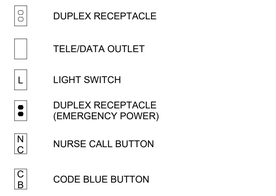
TYPICAL WALL CONVENTIONS



REFLECTED CEILING SYMBOLS



INTERIOR ELEVATION SYMBOLS

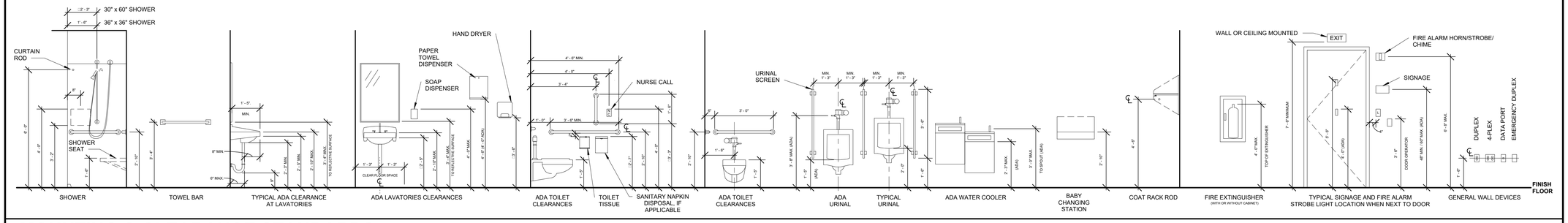


FIRE BARRIER LEGEND

ALL SYMBOLS OR ABBREVIATIONS MIGHT NOT NECESSARILY BE USED ON THIS PROJECT.
ADDITIONAL SYMBOLS OR ABBREVIATIONS MAY APPEAR ON SUBSEQUENT SHEETS.

MOUNTING & CLEARANCE STANDARDS N.T.S.

(FOLLOW THESE UNLESS NOTED OTHERWISE)



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Expiration Date 12/31/2025

DARKE COUNTY
GARST AVE. ENTRY RAMP PROJECT
300 GARST AVENUE
GREENVILLE, OHIO 45331

ISSUE

NO.	DATE	DESCRIPTION
	04/09/24	FOR PERMIT

DATE	04/09/24
JOB NO.	4106
DRAWN	JAK
CHECKED	MES/TJB

TITLE
ABBREVIATIONS AND SYMBOLS

SHEET NO.
A0.1

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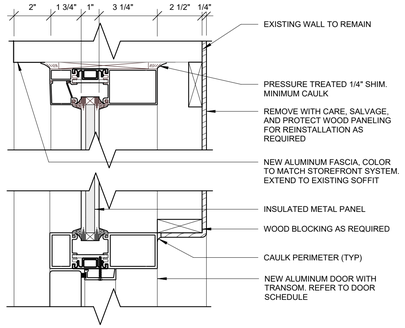
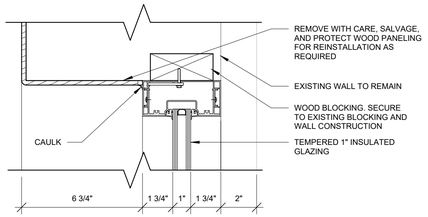
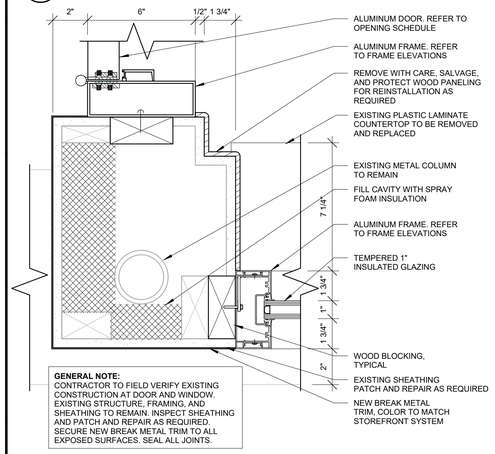


B1 EXTERIOR DOOR HEAD DETAIL
3" = 1'-0"



B2 WINDOW HEAD DETAIL
3" = 1'-0"



D1 STOREFRONT PLAN DETAIL
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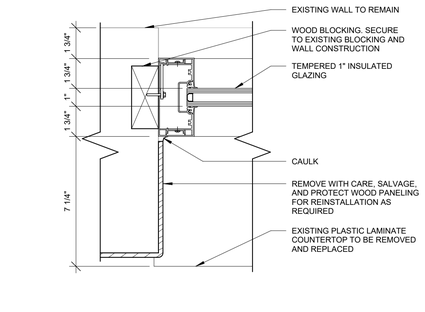
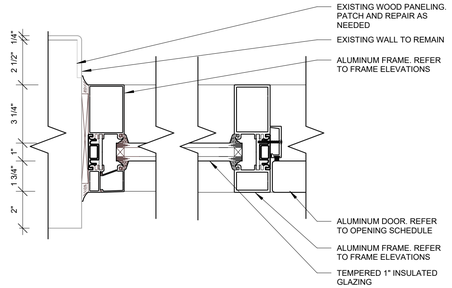
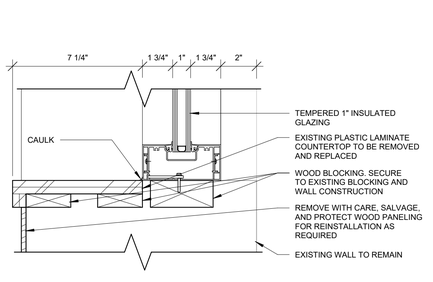


D2 WINDOW JAMB DETAIL
3" = 1'-0"



E1 EXTERIOR DOOR JAMB DETAIL
3" = 1'-0"



E2 WINDOW SILL DETAIL
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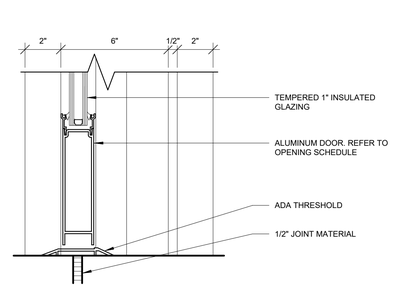
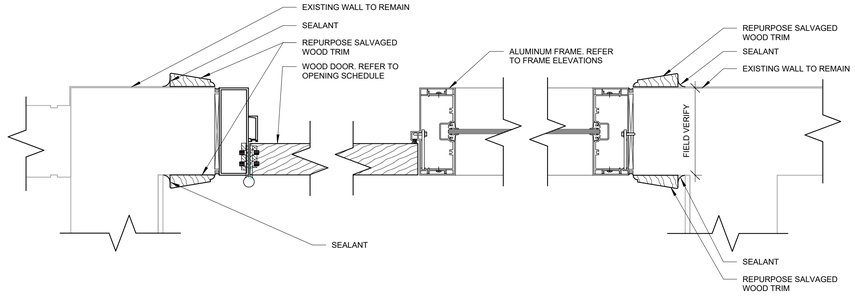
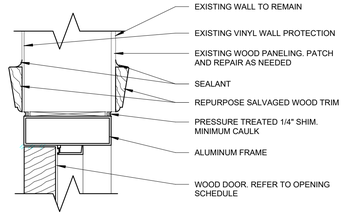


F1 EXTERIOR DOOR SILL DETAIL
3" = 1'-0"



F2 INTERIOR DOOR JAMB DETAIL
3" = 1'-0"



F5 INTERIOR DOOR HEAD DETAIL
3" = 1'-0"

OPENING SCHEDULE

MARK	ROOM NAME	HDW. SET	SIZE			DOOR			FRAME						FIRE RTG.	REMARKS
			W	H	T	MAT.	TYPE	FIN.	MAT.	TYPE	FIN.	DETAILS HEAD	DETAILS JAMB	DETAILS SILL		
128A	WAITING	1	3' - 0"	7' - 0"	1 3/4"	ALUM	AL1	ANOD	ALUM	SL1	ANOD	B1/A0.2	E1/A0.2	F1/A0.2	-	2
128B	WAITING	2	3' - 0"	7' - 0"	1 3/4"	WD	FG1	ST-1	ALUM	SF1	ANOD	F5/A0.2	F2/A0.2	-	-	
W1	WAITING		9' - 6"	7' - 0"	1 3/4"				ALUM	SF2	ANOD	B2/A0.2	D2/A0.2	E2/A0.2	-	1, 2

OPENING REMARKS

No.	REMARK
1	STOREFRONT WINDOW.
2	REFER TO PLAN DETAIL D1/A0.2

DOOR AND HARDWARE NOTES

1. INTERIOR WOOD DOOR SLAB: BASIS OF DESIGN: MASONITE. REINFORCING AS REQUIRED FOR HARDWARE. STAIN.
   A. INTERIOR = SOLID WOOD DOOR, SPECIES TO MATCH BUILDING STANDARD.
2. STOREFRONT SYSTEM: BASIS OF DESIGN: OLDE CASTLE. REINFORCING AS REQUIRED FOR HARDWARE. ANODIZED ALUMINUM FINISH: DARK BRONZE.
   A. EXTERIOR FRAMING: MODEL NO. 3000.
   B. INTERIOR FRAMING: MODEL NO. 2000.
3. STOREFRONT ENTRY DOOR: BASIS OF DESIGN: OLDE CASTLE WIDE STILE WITH 10" BOTTOM RAIL. REINFORCING AS REQUIRED FOR HARDWARE. ANODIZED ALUMINUM FINISH: DARK BRONZE.
4. CONTRACTOR TO PURCHASE DOOR HARDWARE.
5. ALL HARDWARE SHALL BE BARRIER-FREE ACCESSIBLE.
6. PROVIDE SILENCERS AT ALL DOOR LOCATIONS.
7. ALL DOORS SHALL BE OPERABLE AT ALL TIMES IN THE DIRECTION OF EGRESS.
8. HINGES: EXTERIOR DOORS & HOLLOW METAL DOORS = HEAVY WEIGHT; INTERIOR DOORS = STANDARD WEIGHT (UNLESS HM) HAGER BB1199/BB1191; 5 KNUCKLE, 4 1/2" x 4 1/2"
9. EXIT DEVICE: GRADE 1, VON DUPRIN 98/99 RIM SERIES WITH DOGGING & DEADLOCKING.
10. TRIM: VON DUPRIN 990NL
11. CYLINDER/CORE: COORDINATE WITH OWNER - MATCH BUILDING STANDARD. CONTRACTOR TO PROVIDE CYLINDERS AND CORES, OWNER WILL REKEY CORES AT CLOSE OF PROJECT.
12. PUSH PULL TRIM: ROCKWOOD 1" DIAMETER HOLLOW TUBE, MOUNTING AS REQUIRED FOR INSTALLATION.
13. CLOSER: LCN 4040XP, SIZE PER MANUFACTURER'S STANDARDS FOR DOOR SIZE.
14. WALL STOP: ROCKWOOD 402, CONVEX WITH CONCEALED MOUNTING.
15. THRESHOLD: PEMKO 2009-10BE-PK; ADA COMPLIANT LOW PROFILE.
16. GASKETING:
    A. EXTERIOR: PEMKO 303-10BE-S
17. SWEEP: PEMKO 345-10BE-NB
18. DOOR HARDWARE SHALL BE GRADE 1
19. DOOR HARDWARE FINISH: 626 SATIN CHROME.
20. AUTO DOOR OPERATOR: ASSA ABLOY SW200i

HARDWARE SETS

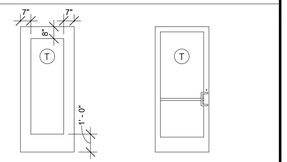
HARDWARE SET #1

3	HINGES
1	PANIC EXIT DEVICE
1	EXTERIOR TRIM (NIGHTLATCH)
1	CYLINDER (MATCH BUILDING STANDARD)
1	CLOSER WITH LIMITING ARM
1	THRESHOLD
1	WEATHER STRIP & SWEEP
1	AUTOMATIC OPENER
1	EXTERIOR FLOOR STOP

HARDWARE SET #2

3	HINGES
1	PUSH PULL TRIM
1	CLOSER
1	AUTOMATIC OPENER
1	WALL STOP

DOOR ELEVATIONS

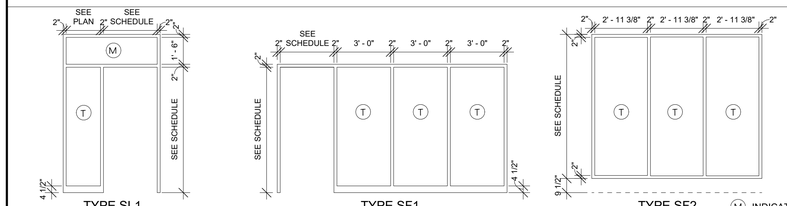


TYPE FG1
FULL GLASS

TYPE AL1
ALUMINUM STOREFRONT

(T) INDICATES TEMPERED SAFETY GLAZING

FRAME ELEVATIONS



TYPE SL1
SINGLE WITH SIDELIGHT STANDARD CLEAR GLASS UNLESS NOTED OTHERWISE

TYPE SF1
SINGLE / PAIR STANDARD

TYPE SF2
SINGLE / PAIR STANDARD

(M) INDICATES INSULATED METAL PANEL
(T) INDICATES TEMPERED SAFETY GLAZING

ROOM FINISH SCHEDULE

ROOM No.	ROOM NAME	FLOOR	BASE	WALLS N	WALLS S	WALLS E	WALLS W	CEILING MAT.	REMARKS
128	WAITING	ETR / PR	ETR / PR	ETR / PR	ETR / PR	ETR / PR	ETR / PR	ETR / PR	

ROOM FINISH SCHEDULE REMARKS

No.	REMARK
ETR / PR	EXISTING FINISH TO REMAIN. CONTRACTOR RESPONSIBLE TO PATCH AND REPAIR TO MATCH EXISTING.

MATERIAL LEGEND

ITEM	MATERIAL	MANUFACTURER	MATERIAL MODEL NO.	CONTACT INFO	COLOR	COMMENTS
BASE						
EX	EXISTING	CUSTOM	WOOD BASE SIZE & PROFILE TO MATCH EXISTING	--	MATCH EXISTING STAIN	SALVAGE AS ABLE, PROVIDE NEW TO MATCH EXISTING AS REQUIRED
CEILING						
EX	EXISTING		12x12 SPLINE	--		EXISTING SPLINE CEILING, TO REMAIN - REMOVE WITH CARE AND REINSTALL AS REQUIRED FOR CONSTRUCTION.
DOOR						
ST-1	WOOD STAIN		STAIN-SEE SPECIFICATIONS	--	MATCH EXISTING STAIN	STAIN TO MATCH EXISTING DOOR STAIN COLOR.
FLOOR						
EX	EXISTING		LVT PLANK	--		EXISTING LVT PLANK.
PAINT						
P-1	PAINT		PAINT - SEE SPECIFICATIONS	--		
WALL						
EX	EXISTING		WOOD PANELING	--	MATCH EXISTING SIZE, THICKNESS AND PROFILE AND COLOR	SALVAGE AS ABLE, PROVIDE NEW TO MATCH EXISTING AS REQUIRED

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ISSUE

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TITLE
DOOR AND FINISH SCHEDULES

SHEET NO.
A0.2

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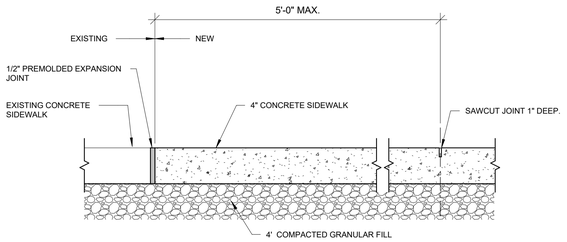


NOTES:

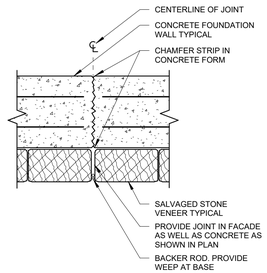
A. PROVIDE BROOM FINISH TO ALL EXPOSED SURFACES.

B. 1/2 EXPANSION JOINT REQUIRED AT END OF EACH POUR, AT EACH SIDE OF A DRIVEWAY, OR ANY FIXED STRUCTURE.

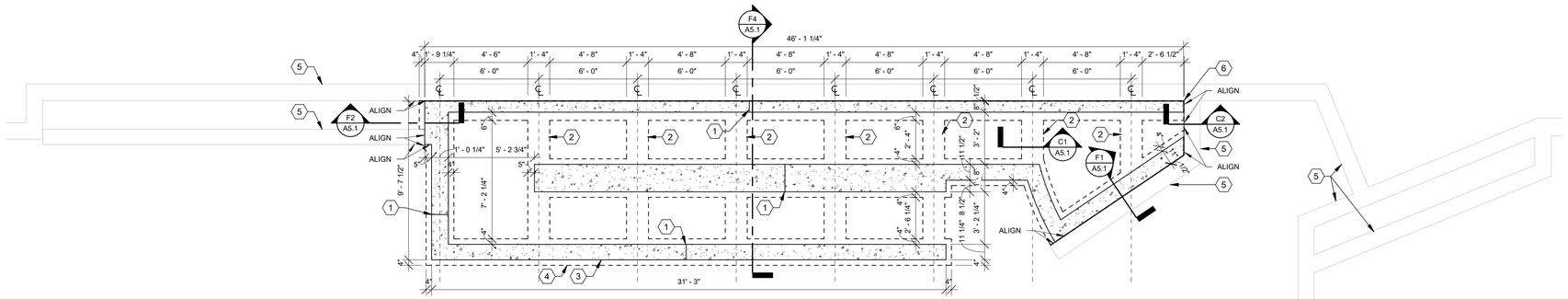
C. MAXIMUM SPACING BETWEEN EXPANSION JOINTS 40'-0". PROVIDE SAWCUT JOINT AT EVERY 5'-0" BETWEEN EXP. JOINTS.

D. PROVIDE A MINIMUM OF 2" EDGING AROUND ALL EXPOSED SURFACES

D3 CONCRETE SIDEWALK DETAIL
1 1/2" = 1'-0"



D5 CONCRETE JOINT DETAIL
1 1/2" = 1'-0"



F1 NEW WORK FOUNDATION PLAN
1/4" = 1'-0"

CONSTRUCTION NOTES

00 INDICATES CONSTRUCTION NOTE.

1 CONCRETE JOINT.

2 CONTINUOUS FOUNDATION WITH (2) #5 BARS TO TIE WALLS TOGETHER. TYPICAL.

3 CONCRETE FOUNDATION WALL. TYPICAL.

4 CONCRETE FOOTING. TYPICAL.

5 EXISTING FOUNDATION WALL TO REMAIN. REFER TO CONCRETE NOTE #18.

6 1/2" RIGID INSULATION BOARD TO SEPARATE NEW FOUNDATION WALL AND FOOTING FROM EXISTING. TYPICAL.

CONCRETE GENERAL NOTES

1. ALL CONCRETE WORK INCLUDING FORMING, REINFORCING, MIXING, PLACING, FINISHING AND CURING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE (ACI) MANUAL OF CONCRETE PRACTICE INCLUDING "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", ACI 318 AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", ACI 301, AND ALL STANDARDS REFERENCED THEREIN.
2. ALL CONCRETE SHALL BE NORMAL WEIGHT (145 PCF) WITH AGGREGATES CONFORMING TO ASTM C33.
3. ALL CONCRETE SHALL DEVELOP THE FOLLOWING MINIMUM 28-DAY COMPRESSIVE STRENGTH (F'C): 3,000 PSI
4. CONCRETE EXPOSED TO WEATHER, VEHICLES, AND/OR DE-ICING CHEMICALS SHALL BE 4,000 PSI AND ARE ENTRAINED W/ 6% (+/-) 1.5% ENTRAINED AIR BY VOLUME @ POINT OF DISCHARGE.
5. CHLORIDE BASED ADMIXTURES ARE PROHIBITED IN ALL REINFORCED CONCRETE . OTHER ADMIXTURES SHALL CONFORM TO ASTM C494.
6. REINFORCING STEEL SHALL BE DEFORMED AND CONFORM TO A615, A616, OR A617, GRADE 60, WITH A MINIMUM YIELD STRESS (Fy) OF 60,000 PSI. THE MINIMUM LAP FOR SPLICES SHALL BE AS SHOWN.
7. ALL CONCRETE COVER ON REINFORCING STEEL SHALL BE A MINIMUM OF 2"UNLESS OTHERWISE NOTED.
8. MAXIMUM SLUMP SHALL BE 3" +/- 1" AS DETERMINED IN ACCORDANCE WITH ASTM C143, PRIOR TO FLOW ENHANCING WATER REDUCING ADMIXTURE, AS REQUIRED FOR PLACEMENT, PUMPING AND/OR WORKABILITY.
9. MAXIMUM WATER TO CEMENT RATIO (W/C) SHALL BE 0.45. TOTAL AIR CONTENT SHALL NOT EXCEED 3% AND BE GREATER THAN 1 1/2% FOR INTERIOR SLABS. FOR EXTERIOR SLABS EXPOSED TO FREEZE THAW CONDITIONS, AIR CONTENT SHALL BE 5.5% +/- 1.5%. DO NOT AIR ENTRAIN INTERIOR SLABS.
10. SUBMIT REINFORCEMENT SHOP DRAWINGS AND CONCRETE MIX DESIGN TO THE ENGINEER OF RECORD (E.O.R.) FOR REVIEW PRIOR TO PLACEMENT.
11. GENERAL CONTRACTOR SHALL CHECK ENTIRE SET OF CONTRACT DOCUMENTS AND DRAWINGS (E.G. ARCHITECTURAL, E.P., F.P., ETC.) AND WITH OTHER CONTRACTORS FOR OPENINGS, SLEEVES, ANCHORS, HANGERS, INSERTS, SLAB DEPRESSIONS AND OTHER ITEMS RELATED TO THE CONCRETE WORK, AND SHALL ASSUME FULL RESPONSIBILITY FOR THEIR PROPER LOCATION BEFORE PLACING CONCRETE.
12. ALL REINFORCING SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 315 AND ACI 315-R. THE REINFORCING STEEL CONTRACTOR SHALL FABRICATE ALL REINFORCEMENT AND FURNISH ALL ACCESSORIES, CHAIRS, SPACER BARS, AND SUPPORTS NECESSARY TO SECURE THE REINFORCEMENT (BARS & W.W.F.) IN THE POSITIONS SHOWN ON THE PLANS AND DETAILS. PLASTIC COATED ACCESSORIES SHALL BE USED IN ALL EXPOSED CONCRETE.
13. COMPRESSION AND TENSION LAP SPLICES SHALL BE CLASS "B" AND SHALL BE 48 BAR DIAMETER MINIMUM U.N.O. LAP TOP BARS AT MID-SPAN AND LAP BOTTOM BARS AT SUPPORTS WHERE TWO LAYERS OF REINFORCEMENT IS PROVIDED U.N.O.
14. WELDING OF REINFORCING BARS WILL ONLY BE ALLOWED WHEN SHOWN ON THE STRUCTURAL DRAWINGS.
15. PROVIDE CONTROL/CONSTRUCTION JOINTS AS SHOWN ON THE DRAWINGS. NO CONSTRUCTION, CONTROL OR EXPANSION JOINTS SHALL BE INSTALLED IN THE COMPOSITE CONCRETE SLAB WITHOUT THE PRIOR WRITTEN APPROVAL OF THE E.O.R. OR UNLESS SPECIFICALLY INDICATED ON THE SLAB PLAN.
16. THE MINIMUM LAP FOR CONCRETE SLAB REINFORCING SPLICES (CLASS "B") SHALL BE THE FOLLOWING:
    #3 – 1'-6"
    #4 – 2'-0"
    #5 – 2'-6"
17. THE MINIMUM LEG LENGTH OF STANDARD 90° HOOK FOR CONCRETE SLAB REINFORCING SHALL BE:
    #3 – 6"
    #4 – 8"
    #5 – 10"
18. EXISTING WALL TO NOT BE DAMAGED DURING CONSTRUCTION OF NEW WALL. NEW WALL EITHER NEEDS TO BE POURED IN LIMITED LIFTS WITH A ROUGHENED SURFACE IN BETWEEN EACH LEFT, OR THE EXISTING WALL NEEDS TO BE SHORED DURING CONSTRUCTION.

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TITLE
FOUNDATION PLAN

SHEET NO.
A1.0

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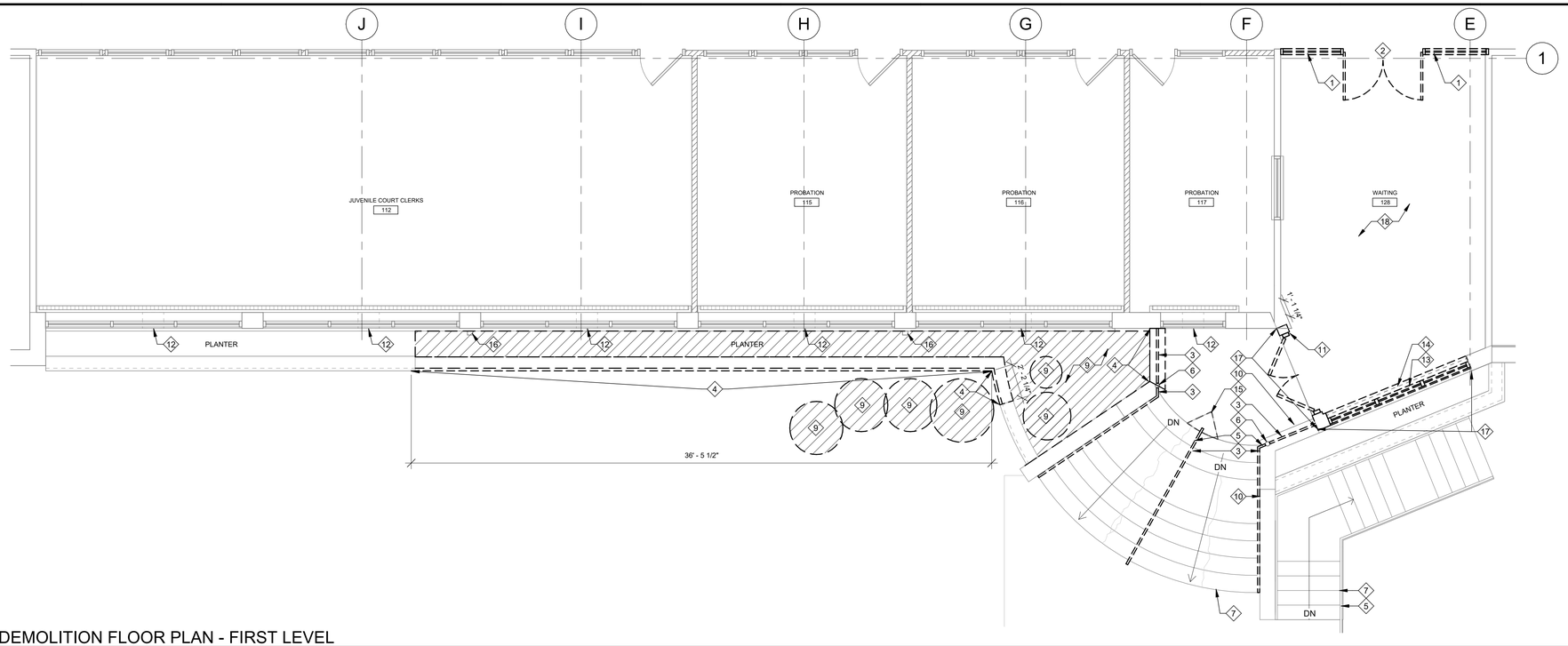
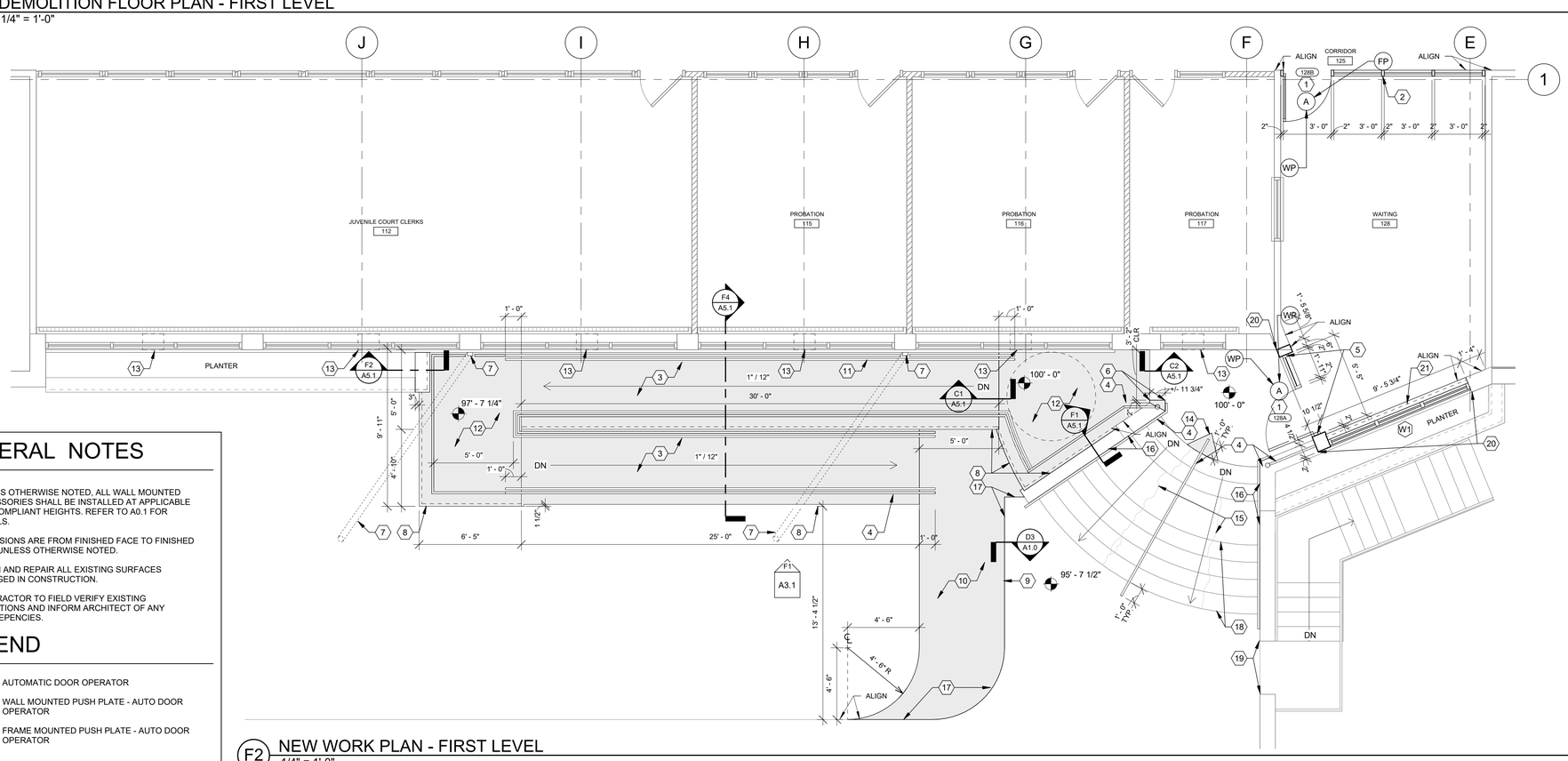


C1 DEMOLITION FLOOR PLAN - FIRST LEVEL
1/4" = 1'-0"



F2 NEW WORK PLAN - FIRST LEVEL
1/4" = 1'-0"

GENERAL NOTES

A. UNLESS OTHERWISE NOTED, ALL WALL MOUNTED ACCESSORIES SHALL BE INSTALLED AT APPLICABLE ADA COMPLIANT HEIGHTS. REFER TO A0.1 FOR DETAILS.

B. DIMENSIONS ARE FROM FINISHED FACE TO FINISHED FACE UNLESS OTHERWISE NOTED.

C. PATCH AND REPAIR ALL EXISTING SURFACES DAMAGED IN CONSTRUCTION.

D. CONTRACTOR TO FIELD VERIFY EXISTING ELEVATIONS AND INFORM ARCHITECT OF ANY DISCREPENCIES.

LEGEND

(A) = AUTOMATIC DOOR OPERATOR

(WP) = WALL MOUNTED PUSH PLATE - AUTO DOOR OPERATOR

(FP) = FRAME MOUNTED PUSH PLATE - AUTO DOOR OPERATOR

DEMOLITION NOTES

(00) INDICATES DEMOLITION NOTE.

1 REMOVE EXISTING WOOD FRAME FULL GLASS SIDELITES; BULK HEAD TO REMAIN INTACT.

2 REMOVE EXISTING WOOD FRAME, WOOD FULL GLASS DOOR AND DOOR HARDWARE; BULK HEAD TO REMAIN INTACT.

3 REMOVE EXISTING METAL RAILING.

4 REMOVE PORTION OF EXISTING WALL. SALVAGE LIMESTONE CAP AND STONE VENEER FOR REUSE IN THE NEW CONSTRUCTION.

5 EXISTING METAL RAILING TO REMAIN.

6 FILL HOLES IN EXISTING STEEL COLUMN FROM RAILING REMOVAL. GRIND SMOOTH AND PAINT FULL COLUMN.

7 EXISTING CONCRETE STAIRS TO REMAIN. PATCH AND REPAIR AS NECESSARY.

9 REMOVE EXISTING PLANT MATERIAL, MULCH, AND DIRT FROM PLANTER BOX.

10 EXISTING STONE WALL WITH LIMESTONE CAP TO REMAIN.

11 REMOVE ALUMINUM DOOR FRAME, ALUMINUM FULL GLASS DOOR AND DOOR HARDWARE. INCLUSIVE OF CAST-IN-PLACE HINGE POCKETS.

12 REMOVE LOUVER. REFER TO NEW WORK PLAN FOR REQUIRED WORK.

13 REMOVE ALUMINUM STOREFRONT SYSTEM.

14 REMOVE VERTICAL BLINDS. SALVAGE AND PROTECT DURING CONSTRUCTION. SEE NEW WORK FOR REINSTALLATION.

15 SAWCUT AND REMOVE CRACKED PORTION OF EXISTING CONCRETE LANDING.

16 DISCONNECT EXISTING DOWNSPOUT. LOCATE UNDERGROUND STORM PIPE CONNECTION AND RECONNECT TO NEW STORM PIPE.

17 REMOVE EXTERIOR ALUMINUM FASCIA, COLUMN WRAP AND TRIM. PREP FOR NEW EXTERIOR FINISH.

18 REMOVE PANELING AS REQUIRED FOR NEW ELECTRICAL WIRING FOR AUTO DOOR OPERATOR.

CONSTRUCTION NOTES

(00) INDICATES CONSTRUCTION NOTE.

1 NEW DOOR AND FRAME. REFER TO DOOR AND FRAME SCHEDULE FOR ADDITIONAL INFORMATION.

2 NEW ALUMINUM STOREFRONT.

3 NEW ACCESSIBLE CONCRETE RAMP. MAXIMUM SLOPE = 1:12

4 1 1/2" DIAMETER STEEL PIPE GUARDRAIL. PAINTED.

5 PATCH CONCRETE AS REQUIRED FROM REMOVAL OF CAST-IN-PLACE HINGE POCKETS.

6 CUT DOWN EXISTING LIMESTONE CAP AND RESET.

7 EXTEND EXISTING STORM PVC TO TOP OF RAMP. PROVIDE POLYLOK DOWNSPOUT ADAPTER OR SIMILAR. CONTRACTOR TO LOCATE AND EXTEND UNDERGROUND TO CONNECT WITH EXISTING DRAINAGE SYSTEM.

8 4" TALL BULLNOSE AT EDGE OF NEW RAMP AND LANDINGS. DASHED LINE INDICATES FINISHED FACE OF WALL BELOW. REPURPOSE SALVAGED STONE FOR WALL BELOW.

9 AREA SHADED IN GRAY INDICATES EXTENT OF NEW CONCRETE WORK.

10 NEW CONCRETE PAD.

11 1 1/2" DIAMETER STEEL PIPE HANDRAIL. PAINTED. CONTINUE HANDRAIL BEYOND EXISTING DOWNSPOUTS. EXISTING POSTS TO BREAK AT DOWNSPOUT LOCATIONS.

12 NEW CONCRETE LANDING. 1:50 CROSS-SLOPE FOR DRAINAGE.

13 FILL CAVITY WITH SPRAY FOAM INSULATION. FRICTION FIT 3/4" EXTERIOR GRADE PLYWOOD. PAINT BLACK. CAULK FULL PERIMETER. RESET EXISTING LOUVER.

14 PATCH IN CONCRETE SLAB, PROVIDE (1) #4 REBAR, EACH EDGE DOWELED INTO EXISTING SLAB AND EPOXY SET.

15 ROUT OUT EXISTING CONCRETE AT CRACKS. PATCH WITH GROUT AND CONCRETE FINES.

16 CONTRACTOR TO INSPECT ALL AREAS OF MISSING AND LOOSE MORTAR. TUCK POINT EXISTING WALLS AS REQUIRED ALONG FULL LENGTH OF STAIR STEM WALLS AND BOTH FACES OF WALL WHEN STONE IS EXPOSED ON BOTH FACES.

17 POUR CONCRETE UP TO EXISTING SIDEWALK.

18 PROVIDE AND INSTALL EXTERIOR GRADE SEALANT AT RISER AND TREAD JOINT. FULL LENGTH AT INTERMEDIATE AND BOTTOM LANDING. COLOR BY ARCHITECT.

19 GRIND DOWN EDGE OF EXISTING CONCRETE SLAB TO MAKE SMOOTH TRANSITION.

20 PROVIDE NEW ALUMINUM BREAK METAL TRIM AT FASCIA, COLUMN WRAPS AND TRIM TO PROVIDE A COMPLETE REPLACEMENT OF THE EXTERIOR STOREFRONT.

21 REINSTALL SALVAGED VERTICAL BLINDS.

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REFERENCE PLANS

SHEET NO.
A1.1

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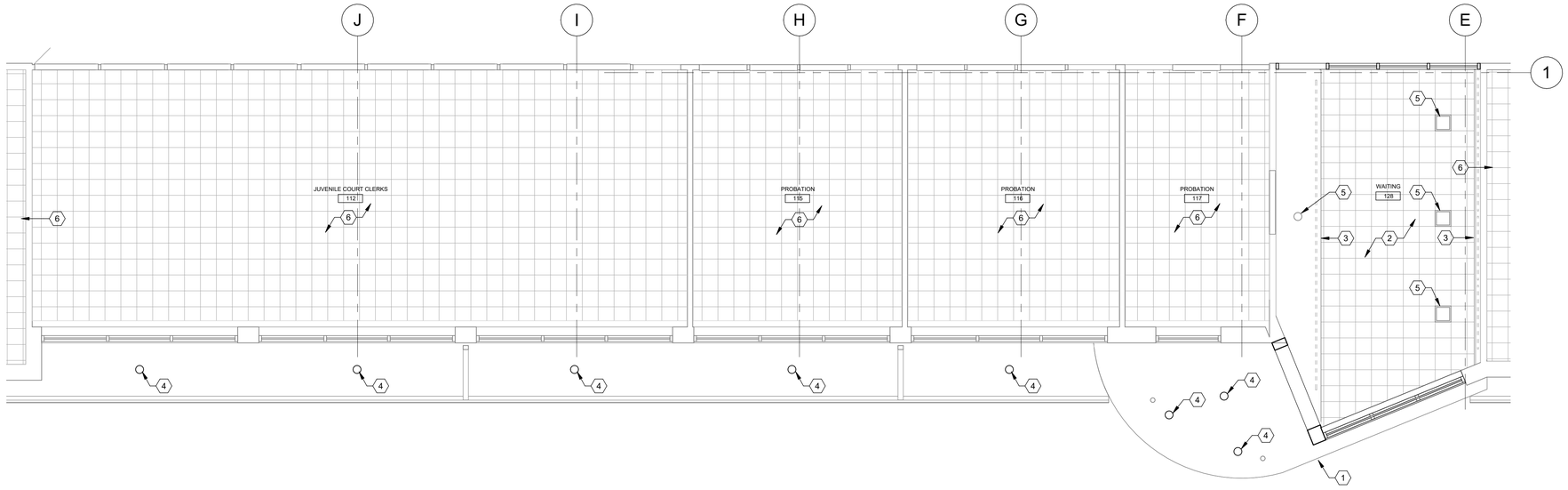
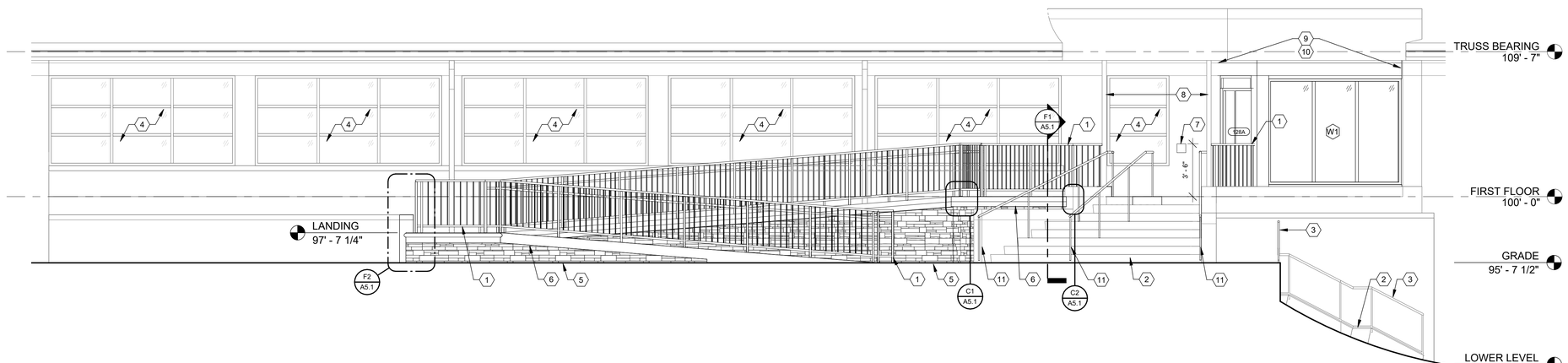


C1 REFLECTED CEILING PLAN
1/4" = 1'-0"



F1 PARTIAL SOUTH ELEVATION
1/4" = 1'-0"

RCP CONSTRUCTION NOTES

(00) INDICATES CONSTRUCTION NOTE.

1 EXISTING CANOPY TO REMAIN.

2 EXISTING SPLINE CEILING TO REMAIN.

3 EXISTING SOFFIT WITH LIGHT TO REMAIN.

4 NEW LIGHT. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

5 EXISTING LIGHT TO REMAIN.

6 EXISTING CEILING IN AREA TO REMAIN - NO WORK.

ELEVATION CONSTRUCTION NOTES

(00) INDICATES CONSTRUCTION NOTE.

1 1 1/2" DIAMETER STEEL PIPE GUARDRAIL. PAINTED BLACK TO MATCH LOWER STAIR RAIL

2 EXISTING STAIRS TO REMAIN.

3 EXISTING METAL HANDRAILS TO REMAIN. TYPICAL.

4 EXISTING WINDOW TO REMAIN.

5 REPURPOSE SALVAGED STONE ONTO NEW WALL.

6 BULLNOSE EDGE OF CONCRETE RAMP AND LANDINGS. MATCH EXISTING, TYPICAL

7 AUTO DOOR OPERATOR. SURFACE MOUNTED AT THIS LOCATION.

8 EXISTING COLUMN. PAINT. COLOR AS SELECTED BY ARCHITECT.

9 NEW ALUMINUM FASCIA AND TRIM TO MATCH EXISTING.

10 NEW ALUMINUM ENTRANCE AND STOREFRONT SYSTEM.

11 1 1/2" DIAMETER STEEL PIPE HANDRAIL. PAINTED BLACK TO MATCH LOWER STAIR RAIL

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EXTERIOR ELEVATIONS

SHEET NO.
A3.1

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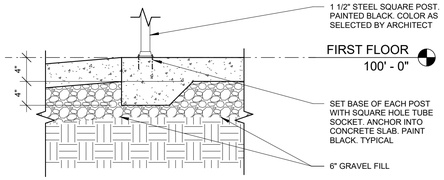
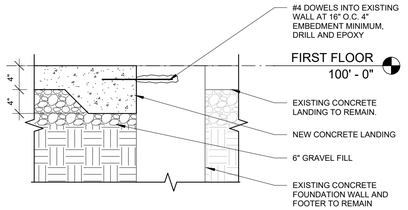
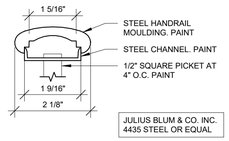
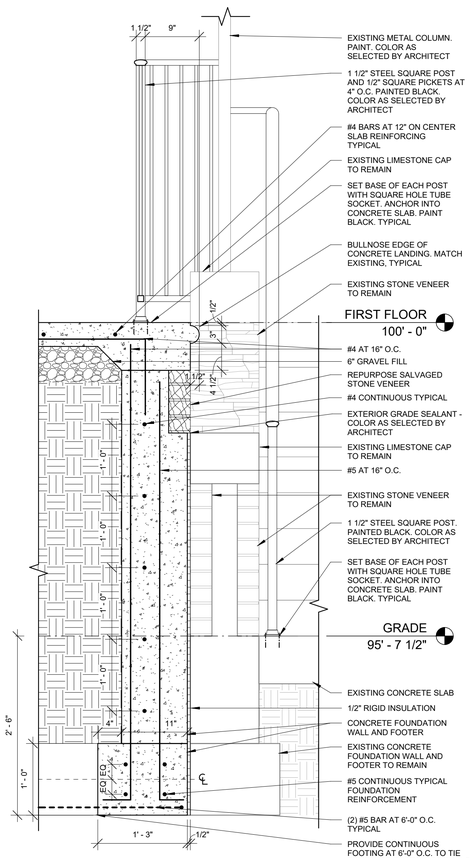




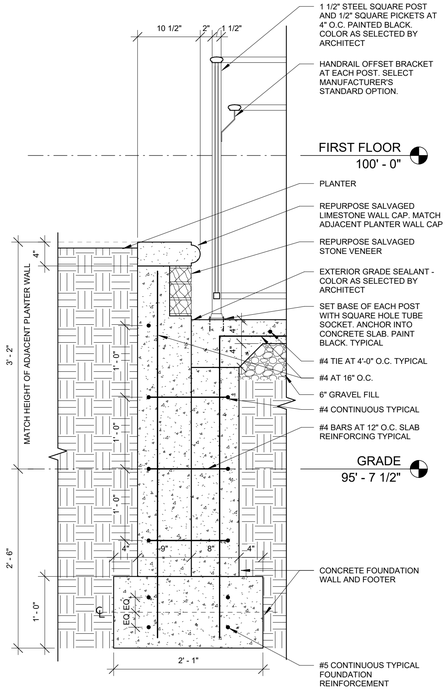


C1 UPPER LANDING TRANSITION DETAIL
1" = 1'-0"



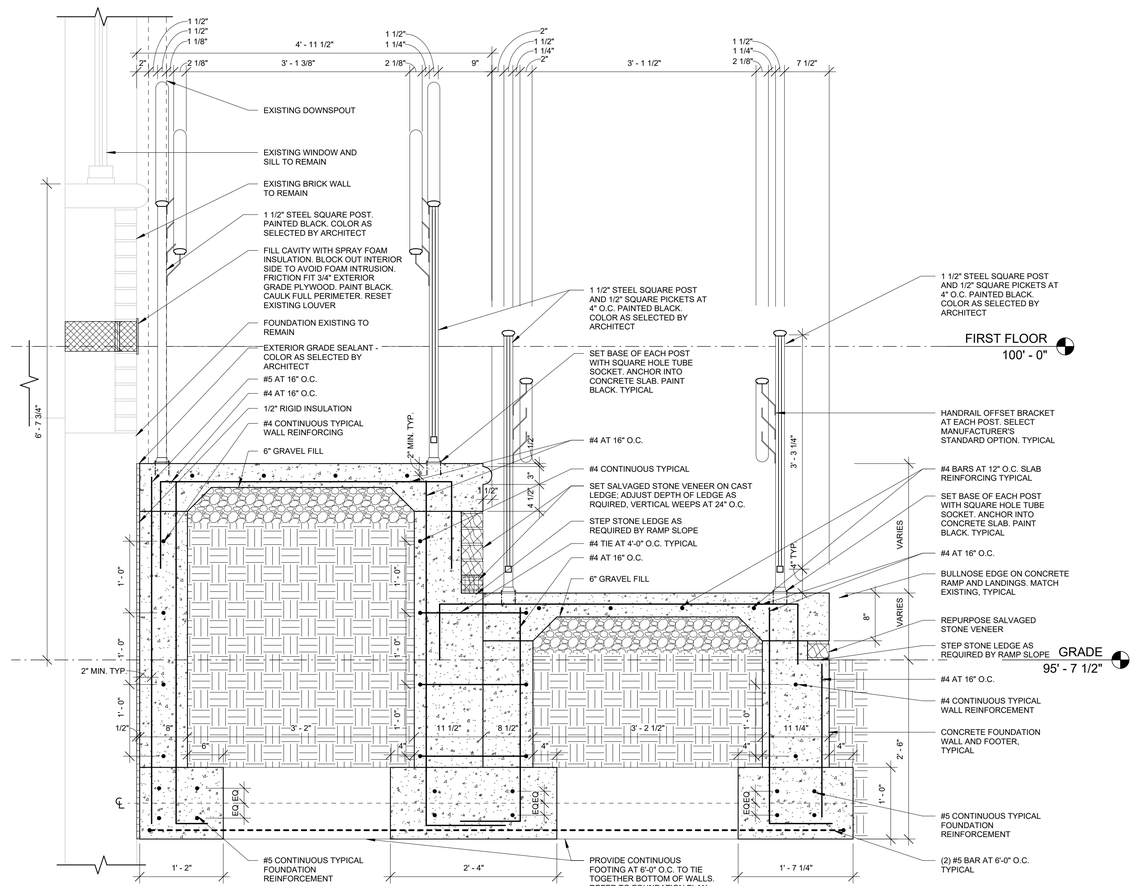
F1 UPPER LANDING DETAIL
1" = 1'-0"

C2 UPPER LANDING CONNECTION DETAIL
1" = 1'-0"



F2 PLANTER WALL DETAIL
1" = 1'-0"

C4 HANDRAIL DETAIL
6" = 1'-0"



F4 RAMP SECTION DETAIL
1" = 1'-0"

4/15/2024 1:44:11 PM

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12305
REGISTERED ARCHITECT
Timothy J. Bement, License #12305
Expiration Date 12/31/2025

DARKE COUNTY GARST AVE. ENTRY RAMP PROJECT

300 GARST AVENUE
GREENVILLE, OHIO 45331

ISSUE

NO.	DATE	DESCRIPTION
	04/09/24	FOR PERMIT

DATE	04/09/24
JOB NO.	4106
DRAWN	JAK
CHECKED	MES/TJB

TITLE
EXTERIOR DETAILS

SHEET NO.
A5.1

ELECTRICAL SPECIFICATIONS

A. ALL ELECTRICAL WIRING, EQUIPMENT AND INSTALLATION SHALL CONFORM TO THE 2024 OHIO BUILDING CODE, 2023 NATIONAL ELECTRIC CODE AND LOCAL CODES, LATEST ADOPTED EDITIONS.

B. ALL ELECTRICAL EQUIPMENT SHALL BE U.L. APPROVED AND COMMERCIAL GRADE. PANELBOARDS, CIRCUIT BREAKERS AND DISCONNECTS BY SQUARE D, SIEMENS, CUTLER-HAMMER OR G.E

C. SUBMIT ELECTRONIC SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO ORDERING FOR THE FOLLOWING EQUIPMENT: LIGHT FIXTURES, PANELBOARD(S), CIRCUIT BREAKER(S) AND WIRING DEVICES.

D. ALL POWER AND SYSTEMS WIRING SHALL BE INSTALLED IN CONDUIT RACEWAYS UNLESS OTHERWISE SPECIFICALLY NOTED.

E. DRAWINGS ARE SCHEMATIC IN NATURE TO REPRESENT REQUIRED EQUIPMENT/DEVICES AND ASSOCIATED POWER/CIRCUITRY. DRAWINGS SHALL NOT BE SCALED FOR DEVICE LOCATIONS. THE E.C. SHALL COORDINATE THE FINAL LOCATIONS OF ALL FLUSH MOUNTED DEVICES (INCLUDING FIRE ALARM AND TECHNOLOGY ROUGH-IN BOXES) WITH CASEWORK, FIXED FURNITURE, ETC. TO AVOID CONFLICTS AND VIEWING OBSTRUCTIONS. RECEPTACLES ASSOCIATED WITH/ADJACENT TO TECHNOLOGY OUTLET BOXES SHALL BE LOCATED AT THE SAME MOUNTING HEIGHT AND WITHIN 6" HORIZONTALLY UNLESS SPECIFICALLY NOTED OTHERWISE.

F. THE ARCHITECT SHALL RESERVE THE RIGHT TO MAKE MINOR ADJUSTMENT IN LOCATIONS OF SYSTEM RUNS AND COMPONENTS WHERE THEY CONSIDER SUCH ADJUSTMENTS DESIRABLE IN THE INTEREST OF CONCEALING WORK OR PRESENTING A BETTER APPEARANCE WHERE EXPOSED. ANY SUCH CHANGES SHALL BE ANTICIPATED AND REQUESTED SUFFICIENTLY IN ADVANCE SO AS TO NOT CAUSE EXTRA WORK, OR UNDULY DELAY THE WORK. COORDINATE WORK IN ADVANCE WITH ALL OTHER TRADES AND REPORT IMMEDIATELY ANY DIFFICULTIES WHICH CAN BE ANTICIPATED. WHERE ANY SYSTEM RUNS AND COMPONENTS ARE SO PLACED AS TO CAUSE OR CONTRIBUTE TO A CONFLICT, IT SHALL BE READJUSTED AT THE EXPENSE OF THE CONTRACTOR CAUSING SUCH CONFLICT. THE ARCHITECT'S DECISION SHALL BE FINAL IN REGARD TO ARRANGEMENT OF EQUIPMENT, CONDUIT(S), DEVICES, WIREWAYS ETC., WHERE CONFLICT ARISES.

G. ALL WIRING SHALL UTILIZE MIN. #12 AWG SIZE COPPER THHN/THWN STRANDED CONDUCTORS WITH INSULATION SUITABLE FOR THE APPLICATION. CONDUCTORS FOR ELECTRIC RADIANT HEATERS SHALL BE LISTED FOR THE APPLICATION.

H. PROVIDE A SEPARATE NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT AND SEPARATE GREEN COLORED INSULATED COPPER GROUNDING CONDUCTOR FOR EACH BRANCH CIRCUIT CONDUIT. NEUTRAL WIRES FOR 120 VOLT CIRCUITS SHALL BE WHITE.

I. ALL CONDUCTORS SHALL BE INSTALLED IN MIN. 0.75" SIZE CONDUIT. EMT SHALL BE UTILIZED FOR INTERIOR FEEDERS AND BRANCH CIRCUITRY. MC CABLE SHALL ONLY BE ALLOWED FOR FINAL CONNECTION TO INDOOR LIGHT FIXTURES. LIQUID TIGHT FLEXIBLE METAL CONDUIT SHALL BE USED FOR ALL OTHER FINAL CONNECTIONS TO MOVEABLE/VIBRATING EQUIPMENT. ALL EXTERIOR CONDUIT SHALL BE RIGID METAL CONDUIT.

J. EMT CONDUIT FITTINGS SHALL BE ALL STEEL COMPRESSION OR SETSCREW TYPE.

K. ALL CONDUITS INSTALLED ON EXTERIOR OF BUILDING SHALL BE RIGID GALVANIZED TYPE WITH THREADED STEEL FITTINGS. UTILIZE COMPATIBLE NEMA 3R TYPE BOXES FOR ALL EXTERIOR FIXTURE AND OUTLET BOXES.

L. BRANCH CIRCUITS WHERE FISHED IN EXISTING INACCESSIBLE WALLS AND EXTERIOR SOFFIT ONLY MAY UTILIZE MC CABLE OR 0.5" SIZE FLEXIBLE METALLIC CONDUIT TO INDIVIDUAL DEVICES WHEN PROPERLY SUPPORTED.

M. WIRING DEVICES SHALL BE SPECIFICATION GRADE, WHITE COLOR, WITH BRUSHED STAINLESS STEEL COVERPLATES, HUBBELL, P&S, COOPER OR LEVITON. PROVIDE TAMPER-RESISTANT RECEPTACLES IN LOCATIONS AS REQUIRED BY NEC 406.12.

N. ALL CONDUIT, FITTINGS, BENDS, ETC. SHALL BE PROPERLY SUPPORTED PER NEC AND NEATLY INSTALLED.

O. PROVIDE TYPED PANEL DIRECTORIES INDICATING TYPE OF LOAD AND ROOM DESCRIPTION WITH ROOM NUMBER AND TYPE. UPDATE ALL EXISTING PANEL DIRECTORIES WITH NEW TYPED DIRECTORY CARDS WITH ALL CIRCUIT REVISIONS NOTED.

P. ALL SPARE BREAKERS IN PANELBOARDS SHALL BE TURNED 'OFF'.

Q. THE TOTAL LOAD (AMPERES) OF ANY BRANCH CIRCUIT SHALL NOT EXCEED 80% OF THE RATED AMPACITY OF THE CIRCUIT BREAKER FOR THAT CIRCUIT.

R. THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER CONTRACTORS TO AVOID INTERFERENCE WITH THE BUILDING COMPONENTS, EXISTING UTILITIES, EQUIPMENT, ETC.

S. IDENTIFY ALL BRANCH CIRCUITS AT ALL JUNCTION BOXES BY NEATLY PRINTING PANEL AND CIRCUIT NUMBERS ON BOX COVERS WITH INDELIBLE MARKER.

T. LABEL ALL NORMAL POWER PANELBOARDS WITH PHENOLIC WHITE BACKGROUND AND BLACK LETTER PLATE WITH SOURCE OF FEEDER, SWITCH OR BREAKER NUMBER, VOLTAGE, PHASE, AND BRANCH.

U. LABEL ALL NORMAL POWER DISCONNECT SWITCHES WITH PHENOLIC WHITE BACKGROUND AND BLACK LETTER PLATE WITH PANEL, CIRCUIT NUMBER, VOLTAGE, PHASE, FED FROM AND DESCRIPTION OF LOAD FED.

V. EQUIPMENT, DUCTWORK AND PIPING SHALL NOT BE INSTALLED IN THE DEDICATED ELECTRICAL SPACE ABOVE OR IN THE WORKING SPACE REQUIRED AROUND ELECTRICAL SWITCHGEAR, MOTOR CONTROL CENTERS OR PANELBOARDS AS IDENTIFIED BY NEC 110.26 SPACES ABOUT ELECTRICAL EQUIPMENT – 600 VOLTS NOMINAL OR LESS.FOR EQUIPMENT RATED OVER 600 VOLTS NOMINAL – 110.32 WORK SPACE ABOUT EQUIPMENT – 110.33 ENTRANCE AND ACCESS TO WORK SPACE – 110.34 WORK SPACE AND GROUNDING. THE ELECTRICAL CONTRACTOR SHALL CAUTION OTHER TRADES TO COMPLY WITH THIS STIPULATION.

W. EXISTING CONDUITS AND WIRING NOT TO BE REUSED, SHALL BE REMOVED BACK TO SOURCE. REMOVE ALL UNUSED ELECTRICAL WORK, EQUIPMENT, WIRING AND CONDUITS, ETC. IN AREA OF WORK. DO NOT ABANDON IN PLACE UNLESS INACCESSIBLE. DISPOSE OF ALL REMOVED ITEMS EXCEPT WHERE OWNER WISHES TO KEEP THE ITEM.

X. PERFORM ALL CUTTING AND PATCHING REQUIRED FOR INSTALLATION OF ELECTRICAL SYSTEMS. PATCHING SHALL BE CONSISTENT WITH ADJACENT SURFACES.

Y. PROVIDE ONE YEAR COMPLETE WARRANTY (PARTS, MATERIALS, LABOR). START OF WARRANTY FROM DATE OF BENEFICIAL OCCUPANCY AGREED TO IN WRITING.

GENERAL NOTES - REMOVAL WORK

A. THIS REMOVAL PLAN HAS BEEN MADE TO ASSIST THE CONTRACTOR IN DETERMINING GENERAL SCOPE OF REMOVALS. THIS DRAWINGS SHALL NOT BE CONSIDERED AS SHOWING ALL REMOVAL ITEMS NOR SHALL IT BE CONSIDERED A SUBSTITUTE FOR SITE INVESTIGATIONS, AS NO ALLOWANCE WILL BE MADE FOR LACK OF KNOWLEDGE CONCERNING EXISTING SITE CONDITIONS. ALL CIRCUITING SHALL BE MADE CONTINUOUS TO ANY ACTIVE EQUIPMENT PAST THE ITEM BEING REMOVED.

B. THE ELECTRICAL CONTRACTOR IS TO REMOVE ALL EXISTING UNUSED DEVICES, FIXTURES AND ALL RELATED CONDUIT, BOXES AND WIRING AND ABANDONED CABLING TOTALLY BACK TO SOURCE PANELBOARD OR ELECTRIC CLOSET. IN NO CASE SHALL ANY ABANDONED CONDUIT, WIRING OR OPEN CABLING OR EQUIPMENT REMAIN WITHIN THIS AREA OR IN ADJACENT AREAS TO ELECTRICAL ROOM OR CLOSETS.

C. REMAINING ACTIVE CONDUITS, OPEN CABLES, ETC. SHALL BE RE-SUPPORTED AS REQUIRED WHERE EXISTING SUPPORTS ARE REMOVED, AS IN THE CASE OF CONDUIT OR CABLE SUPPORTED TO CEILING FRAMING, DUCTWORK, OR PIPING, WHICH IS BEING REMOVED OR WHERE EXISTING SUPPORTS/LOCATION CONFLICTS WITH NEW MECHANICAL UTILITIES. SUPPORTS SHALL UTILIZE APPROVED AND RECOGNIZED MATERIALS AND METHODS AND BE INSTALLED IN ACCORDANCE WITH N.E.C. EXISTING CABLES SHALL BE RE-SUPPORTED ON MAX. 5FT. CENTERS FROM STRUCTURE WITH J-HOOKS. RE-SUPPORT UTILITIES AS HIGH AS POSSIBLE.

D. RECESSED BOXES, OUTLETS, ETC., IN EXISTING WALLS OR CEILINGS WHICH ARE TO REMAIN IN FINISHED AREAS SHALL BE COVERED BY SUITABLE BLANK COVERPLATES. ALL UNUSED DEVICES, WIRING, ETC., WHICH ARE ABANDONED SHALL BE REMOVED.

E. WALLS OR SURFACES WHICH ARE LEFT WITH OPENINGS OR HOLES AFTER COMPLETION OF DEMOLITION WORK SHALL BE PATCHED BY THIS CONTRACTOR CONSISTENT WITH GENERAL CONTRACTOR'S ACTIVITIES.

F. ALL INACTIVE CONDUITS RUN ABOVE CEILINGS SHALL BE REMOVED IN ENTIRETY BACK TO SOURCE OR TERMINATION IN ELECTRICAL ROOM OR SOURCE PANELBOARD. NO UNUSED CONDUIT ASSOCIATED WITH THIS AREA SHALL REMAIN UNLESS NOTED.

G. ALL INACTIVE CONDUITS RUN BELOW FLOOR SLAB SHALL BE REMOVED AT STRUCTURE BELOW AND HAVE ALL ABANDONED WIRING REMOVED (AND BE CUT OFF AT SLAB AND GROUTED CLOSED) IF NOT RETAINED FOR REUSE) UNDER THIS CONTRACT.

H. ALL ABANDONED EQUIPMENT, DEVICES, CONTROLS, AND ASSOCIATED WIRING AND CONDUITS ABOVE CEILING WHICH ARE NO LONGER BEING USED SHALL BE REMOVED IN ENTIRETY. IN ADDITION ANY WALL MOUNTED DEVICES NOT SHOWN DUE TO NOT BEING ACCESSIBLE DURING DESIGN WHICH ARE ON WALLS BEING REMOVED OR IN AREAS BEING COMPLETELY RENOVATED SHALL BE REMOVED.

I. ANY ITEMS REMOVED WITHIN THIS AREA SHALL BE TURNED OVER TO THE OWNER IN GOOD CONDITION WHEN INDICATED HEREIN OR WHEN SO REQUESTED BY THE OWNER.

J. WHERE REMOVALS ARE IN AREAS (ABOVE CEILINGS, ETC.) BEYOND THE AREA OF GENERAL DEMOLITION, MATERIALS AND FINISHES ARE TO BE PROTECTED AND RESTORED TO MATCH ADJACENT FINISHES.

K. ANY EXISTING DEVICES IN ADJACENT SPACES MADE INACTIVE BY REMOVALS OF DEVICES OR CIRCUITRY SHALL BE RE-FED AS REQUIRED TO MAKE DEVICES OPERATIONAL.

L. DISPOSAL OF LAMPS AND BALLASTS - THIS CONTRACTOR SHALL REMOVE ALL LAMPS AND BALLASTS FROM REMOVED FIXTURES AND DISPOSE OF LAMPS AND BALLASTS VIA APPROVED DISPOSAL FACILITY.

M. ELECTRICAL CONTRACTOR TO REMOVE ALL VOICE AND DATA STATION CABLES AND ABANDONED VOICE AND DATA CABLING BACK TO SOURCE DATA RACK OR TELEPHONE BACKBOARD LOCATION. E.C. TO TRACE OUT AND REMOVE ALL REMAINING ABANDONED CABLING AND REMOVE ANY CABLING NOT BEING RETAINED FOR REUSE AS COORDINATED WITH OWNER.

N. COORDINATE WITH OWNER ANY SPECIAL REQUIREMENTS PRIOR TO COMMENCING REMOVAL OF VOICE AND DATA CABLING AND SPECIFIC DIRECTIONS FOR DISCONNECTION OF CABLES AT SOURCE PATCH PANEL OR PUNCHDOWN BLOCK.

GENERAL NOTES

A. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2024 OHIO BUILDING CODE, INCLUDING REFERENCED CODES AND STANDARDS, ALL LOCAL AND STATE CODES AND MEET APPROVAL OF AUTHORITIES HAVING JURISDICTION.

B. BIDDERS SHALL INSPECT PROJECT SITE EXISTING CONDITIONS DURING BIDDING.

C. INCLUDE PAYMENT OF ALL PERMIT AND INSPECTION FEES AND OBTAIN AN ELECTRICAL PERMIT AND SECURE INSPECTION AND APPROVAL OF THE CODE OFFICIAL.

D. SUBMIT AN ELECTRONIC COPY OF SUBMITTAL DATA AND DESCRIPTIVE LITERATURE IN .PDF FORMAT FOR ALL FIXTURES AND EQUIPMENT.

E. WORKMANSHIP SHALL BE OF THE HIGHEST QUALITY AND REPRESENT THE BEST PRACTICES OF THE INDUSTRY.

F. COORDINATE INSTALLATION WITH OTHER TRADES; PROVIDE OFFSETS AS REQUIRED.

G. INSTALL ALL MATERIALS AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.

H. COORDINATE EACH ROUGH-IN INSTALLATION REQUIREMENTS AND LOCATIONS WITH OTHER TRADES, ACTUAL EQUIPMENT OR CABINETRY PROVIDED AND FIELD CONDITIONS BEFORE PERFORMING WORK.

I. REFER TO ARCHITECTURAL DRAWING ELEVATIONS FOR MOUNTING LOCATION INFORMATION, ARRANGEMENT AND HEIGHT FOR ALL DEVICES AT FURNISHINGS, CASEWORK, ETC.

J. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL LIGHTING FIXTURES. WHERE DISCREPANCIES MAY OCCUR BETWEEN THE ELECTRICAL PLANS AND THE ARCHITECTURAL CEILING PLANS ON QUANTITY OF FIXTURES, THE ELECTRICAL PLANS SHALL TAKE PRECEDENCE. COORDINATE FIXTURE LOCATIONS WITH OTHER TRADES TO AVOID CONFLICTS WITH PIPING AND DUCTWORK.

K. ALL EQUIPMENT AND MATERIAL REQUIRED FOR COMPLETE AND FUNCTIONAL ELECTRICAL SYSTEMS SHALL BE INCLUDED IN THE CONTRACT.

ELECTRICAL LEGEND

- ELECTRICAL CONNECTION REQUIRED.
- EXIT LIGHTING FIXTURE. ARROWS AS INDICATED.
- H1 B1 a b — LIGHTING FIXTURE: CAPITAL LETTER DENOTES FIXTURES TYPE. LOWER CASE LETTER DENOTES SWITCHING ARRANGEMENT.
- H1 B1 — LIGHTING FIXTURE ON NIGHT LIGHT OR EMERGENCY CIRCUIT.
- W — WIRE RUN IN SURFACE RACEWAY.
- NL — WIRE & CONDUIT FOR NIGHT LIGHT CIRCUITRY.
- EM — WIRE & CONDUIT FOR EMERGENCY CIRCUITRY.
- E — EXISTING WIRE & CONDUIT.
- A-1&2 — EACH ARROWHEAD REPRESENTS ONE COMPLETE CIRCUIT; CAPITAL LETTER DENOTES PANEL; NUMBER DENOTES CIRCUIT.
- WIRE & CONDUIT IN WALL OR ABOVE CEILING
- WIRE & CONDUIT UNDERGROUND
- J — JUNCTION BOX.
- DASHED SYMBOL INDICATES THAT PARTICULAR OUTLET OR DEVICE TO BE REMOVED AND CIRCUITRY MADE CONTINUOUS WHERE REQUIRED.
- E — EXISTING OUTLET OR DEVICE TO REMAIN, MAINTAIN EXISTING CIRCUITRY.
- 20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (18" M.H.).
- D — 20A-125V DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, (18" M.H.) TWO-GANG ASSEMBLY. D = DOUBLE DUPLEX.
- GF — 20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, WITH GROUND FAULT CIRCUIT INTERRUPTER (18" M.H.).
- T — 20A-125V TAMPERPROOF RECEPTACLE, NEMA 5-20R, (18" M.H.).
- WP/GF — 20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R, WITH GROUND FAULT CIRCUIT INTERRUPTER (18" M.H.), WITH HUBBELL #WP26M CAST ALUMINUM "WHILE-IN-USE" COVER.
- SINGLE POLE WALL SWITCH (46" M.H.)
- D — LIGHTING 0-10V LED DIMMER SWITCH WITH PRESET SLIDE CONTROL AND POWER ON-OFF 'DECORATOR' STYLE SWITCH (46" M.H.) UNLESS OTHERWISE INDICATED.
- CIRCUIT BREAKER PANEL, FLUSH MOUNTED.
- CIRCUIT BREAKER PANEL, SURFACE MOUNTED.
- POWER PANEL OR SWITCHBOARD, SURFACE MOUNTED.
- CR — DOOR ACCESS CONTROL SYSTEM CARD READER - 46" M.H.
- F — CCTV CAMERA. F = FIXED; PTZ = PAN/TILT/ZOOM
- A — ELECTRIC DOOR OPERATOR, INCLUDING RELAYS, OPERATING SWITCHES AND LIMIT SWITCHES SHALL BE FURNISHED BY THE DOOR EQUIPMENT SUPPLIER AND INSTALLED BY THE E.C. IN ACCORDANCE WITH APPROVED WIRING DIAGRAMS BY THE EQUIPMENT SUPPLIER (120 VOLT SINGLE PHASE OPERATION).
- P — PUSHPLATE DOOR CONTROLS FURNISHED BY THE DOOR EQUIPMENT SUPPLIER AND INSTALLED BY THE E.C. (42" M.H.).

GENERAL LEGEND

EC	ELECTRICAL CONTRACTOR.
FC	FIRE PROTECTION CONTRACTOR.
GC	GENERAL CONTRACTOR.
HC	HVAC CONTRACTOR.
PC	PLUMBING CONTRACTOR.
TC	TEMPERATURE CONTROLS CONTRACTOR.
NIC	NOT IN CONTRACT.
AFF	ABOVE FINISHED FLOOR - TO BOTTOM OF ITEM UNLESS INDICATED OTHERWISE IN DRAWING.
(E)	EXISTING.
ES	EQUIPMENT SUPPLIER.
EM	EMERGENCY.
MH	MOUNTING HEIGHT.
S	SURFACE MOUNTED.
WP	WEATHER PROOF.
3	NOTE SYMBOL - APPLIES ONLY TO SHEET ON WHICH IS SHOWN.
2	DETAIL NOTE SYMBOL - APPLIES ONLY TO DETAIL ON WHICH IS SHOWN.
H-1	EQUIPMENT REFERENCE SYMBOL. ELECTRICAL CONNECTION REQUIRED.
H-1	EQUIPMENT REFERENCE SYMBOL. NO ELECTRICAL CONNECTION REQUIRED.
123	ROOM NUMBER.
B / E2	DETAIL SYMBOL DETAIL "B" SHOWN ON SHEET E2.
A / E1	SECTION SYMBOL SECTION "A" DESIGNATION, SHOWN ON SHEET E1.
	CONNECTION, NEW TO EXISTING.
FD1	UP TO SYMBOL UP TO "FD1", SHOWN ON FLOOR ABOVE.
	1 HOUR FIRE PROTECTION SEE SPECIFICATION FOR PENETRATION DETAILS
	2 HOUR FIRE PROTECTION SEE SPECIFICATION FOR PENETRATION DETAILS
	3 HOUR FIRE PROTECTION SEE SPECIFICATION FOR PENETRATION DETAILS
	ITEM TO BE REMOVED.
	EXISTING TO REMAIN.
	NEW ITEM.

ELECTRICAL INDEX OF DRAWINGS

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STATE OF OHIO
JEFFREY D. ZELINSKI
63822
REGISTERED PROFESSIONAL ENGINEER

JEFFREY D. ZELINSKI, LICENSE #63822
EXPIRATION DATE 12/31/2025

DARKE COUNTY MASTER PLAN

GARST AVE. BUILDING

300 GARST AVENUE
GREENVILLE, OHIO 45331

ISSUE

NO.	DATE	DESCRIPTION
1	04/09/24	FOR PERMIT

DATE	03/18/24
JOB NO.	4106
DRAWN	JTE
CHECKED	JDZ

TITLE
LEGENDS AND SCHEDULES

SHEET NO.
E0.1

NAUMAN & ZELINSKI LLC.
204 S. Ludlow Street Suite 400 Dayton, Ohio 45402
Phone: (937) 223-3821 – Fax: (937) 223-3849

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ATTIC PANEL (EXISTING)

MOUNTING: SURFACE

CONN. LOAD :

DEMAND LOAD:

MAINS:

VOLTAGE: 120V/208Y - 3PH - 4W

REMARK	DEMAND KVA	CONNECTED KVA	BKR.	CKT. NO.		BKR.	CONNECTED KVA	DEMAND KVA	REMARK
SPARE			20/2	1	2	20/2			SPARE
-			-	3	4	-			-
SPARE			20/2	5	6	-			SPACE
-			-	7	8	-			SPACE
SPARE			20/2	9	10	-			SPACE
-			-	11	12	-			SPACE
SPARE			20/2	13	14	-			SPACE
-			-	15	16	-			SPACE
SPARE			20/2	17	18	-			SPACE
-			-	19	20	-			SPACE
SPARE			20/2	21	22	-			SPACE
-			-	23	24	-			SPACE
SPARE			20/2	25	26	-			SPACE
-			-	27	28	20/1	0.2-M		ADA DOORS
SPARE			20/2	29	30	-			SPACE
-			-	31	32	-			SPACE
EX. LOAD			20/2	33	34	-			SPACE
-			-	35	36	-			SPACE
EX. LOAD			20/2	37	38	-			SPACE
-			-	39	40	20/2			EX. LOAD
SPACE			-	41	42	-			-

3

ABBREVIATIONS:
L-LIGHTS, R-RECEPTACLES, M-MOTORS, H- RESISTANCE HEAT, C-CONTROL, M.L.O- MAIN LUGS ONLY, D.S.L.- DOUBLE SET OF LUGS, M.B- MAIN BREAKER, L.C.- LOCKING CLIP ON BREAKER

LIGHTING FIXTURE

F1 - 6" DIAMETER LED FLAT PANEL WAFER LIGHT, MATTE WHITE FLAT LENSE WITH WHITE TRIM, 1100 LUMENS, 4000K, 14 WATTS, LITHONIA WF6 -LED - 304050K - 80CRI - MW OR EQUAL BY GREEN CREATIVE. EM SUFFIX INDICATES INTEGRAL EMERGENCY BATTERY BACKUP, MOUNTED IN SOFFIT ABOVE. CONNECT BATTERY AHEAD OF LOCAL CONTROLS

GENERAL NOTE

SCOPE OF WORK ENTAILS RENOVATION OF EXISTING ENTRYWAY/VESTIBULE AREA REPLACEMENT OF EXISTING FLUORESECNT LIGHTING WITH NEW LED. NO SIGNIFICANT LOAD CHANGE EXCEPT FOR REDUCTION OF LIGHTING LOAD. EXISTING PANEL SCHEDULES AND LOADS IDENTIFIED PER EXISTING DRAWINGS. E.C. SHALL FIELD VERIFY EXISTING LOADS AND BRANCH CIRCUITRY.

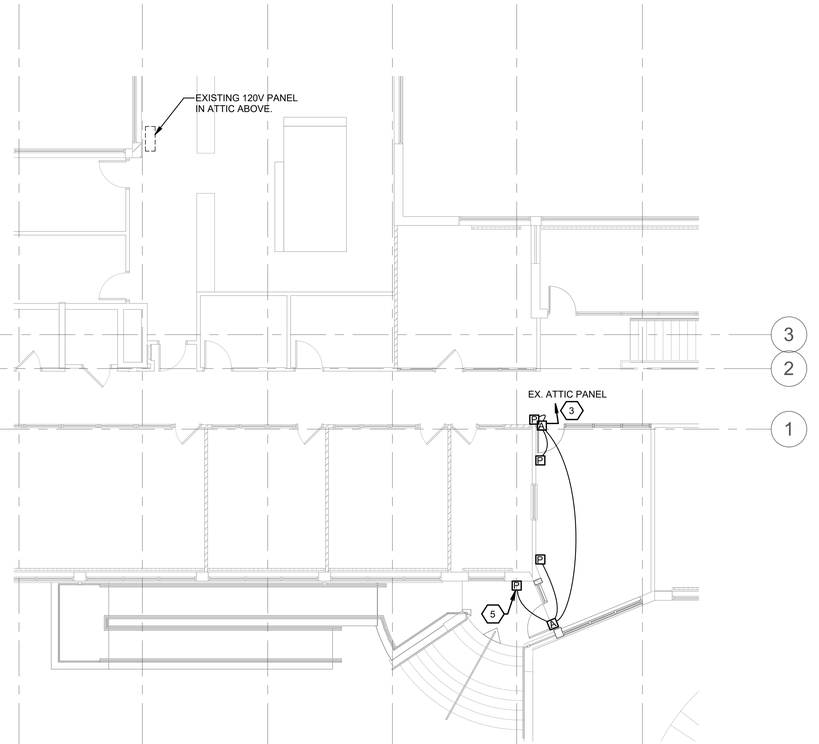
ALL WIREWAYS FROM OPERATOR BUTTONS TO DOOR OPERATOR SHALL BE SURFACE INSULATED RACEWAYS.

CONSTRUCTION NOTES

1. CONNECT TO EXISTING 120V EXTERIOR LIGHTING CIRCUIT.
2. REMOVE EXISTING LIGHTING FIXTURE AND REPLACE WITH NEW F1 LIGHTING FIXTURE. E.C. SHALL VERIFY EXISTING FIXTURE HOUSING COMPATIBILITY WITH NEW FIXTURE.
3. UTILIZE EXISTING 120V ATTIC PANEL FOR NEW ELECTRIC DOOR HARDWARE POWER, PROVIDE NEW 20A BREAKER. CORE DRILL EXISTING ATTIC CONCRETE SLAB FOR CONDUIT ROUTING TO ATTIC PANEL.
4. NEW EXTERIOR LIGHTING FIXTURES WILL BE INSTALLED IN EXISTING SOFFIT. E.C. SHALL REMOVE AND REINSTALL SOFFIT AS NECESSARY.
5. PROVIDE RIGID GALVANIZED CONDUIT FROM EXTERIOR PUSHPLATE.

FIRST FLOOR CEILING PLAN

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



FIRST FLOOR POWER PLAN

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

0 4 8 16 24 32 40

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

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NO.	DATE	DESCRIPTION
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DRAWN	JTE
CHECKED	JDZ

TITLE
NEW WORK PLANS

SHEET NO.
E1.1

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