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DIVISION OF ENGINEERING

GRAND LAKE ST. MARYS STATE PARK
PARK OFFICE RENOVATION

DNR-250013 AUGLAIZE COUNTY, OHIO

VICINITY MAP

LOCATION MAP

APPROVED FOR BID

Glen Cobb
Glen Cobb (Sep 24, 2025 10:38:50 EDT)

GLEN COBB, CHIEF, Division of PARKS AND WATERCRAFT

24/09/2025
DATE

JEREMY WENNER, P.E., CHIEF, Division of ENGINEERING

9/29/2025 | 8:30 AM EDT
DATE

REVIEWED BY

ERIC MOSER, PROJECT MANAGER, Division of ENGINEERING

9/24/25
DATE

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UNDERGROUND UTILITIES
TWO WORKING DAYS
BEFORE YOU DIG
Call 800-362-2764 (Toll Free)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

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ENGINEERING
Ohio Department of Natural Resources

TITLE SHEET

DESIGNED BY: BUEHRER GROUP, INC.	PROJECT NUMBER: DNR-250013
DRAWN BY: BUEHRER GROUP, INC	SCALE: VARIES
CHECKED BY: -	DATE: 09/19/2025
APPROVED BY: -	REVISED: SEE REVISION SCHEDULE

GRAND LAKE ST. MARYS PARK OFFICE
AUGLAIZE, OHIO

TS1

GENERAL NOTES

1. VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE BEFORE WORK IS STARTED. INFORMATION ON THESE DRAWINGS ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTORS FOR BIDDING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER NOTIFICATION OF ALL DISCREPANCIES. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
2. DO NOT DISASSEMBLE THIS SET. COVER SHEET IS A MASTER INDEX, SYMBOLS AND OTHER ITEMS MAY BE INCLUDED ON ADDITIONAL SHEETS.
3. ALL NOTES ON ARCHITECTURAL DRAWINGS REFER TO NEW CONSTRUCTION OR MATERIALS. EXISTING MATERIALS AND CONSTRUCTION ARE SPECIFICALLY CALLED OUT AS EXISTING.
4. ALL DIMENSIONS ARE FROM FACE OF MASONRY OR FACE OF DRYWALL.
5. PROVIDE DRYWALL CONTROL JOINTS AT A MAXIMUM SPACING OF 30'-0" IN ANY DIRECTION.
6. PROVIDE DUMPSTER AND DISPOSE OF ALL WASTE ASSOCIATED WITH THIS PROJECT UNLESS NOTED OTHERWISE ON THESE DRAWINGS.
7. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH STANDARDS OF BEST PRACTICE BY WORKERS SKILLED IN THEIR RESPECTIVE TRADES.
8. THESE DRAWINGS INDICATE THE GENERAL SCOPE OF THE PROJECT IN TERMS OF ARCHITECTURAL DESIGN CONCEPT, DIMENSIONS OF THE BUILDING, THE MAJOR ARCHITECTURAL ELEMENTS AND THE TYPE OF STRUCTURAL, MECHANICAL, ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL FURNISH ALL ITEMS REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK.
9. SEAL ALL TOPS OF GROUND FLOOR SLAB EXPANSION JOINTS AT WALLS OR ANY OTHER THRU-FLOOR JOINT WITH POLYURETHANE CAULK BEFORE FLOOR FINISHES ARE INSTALLED. ALSO SEAL ALL PIPE, CONDUIT, OR ANY OTHER PENETRATION THROUGH THE BUILDING GROUND FLOOR SLAB. ANYTHING ABOVE A 1" DIAMETER HOLE SHALL BE GROUTED SOLID.
10. PROVIDE ALL 2x BLOCKING IN WALLS FOR ALL ITEMS SUCH AS BUT NOT LIMITED TO BUILT-IN CABINETS, COUNTERTOP SUPPORTS, GRAB BARS, STORAGE SHELVING, VIDEO MONITORS, ETC. G.C. TO COORDINATE LOCATION OF BLOCKING W/ OWNER & CABINET INSTALLER. IN EXISTING WALLS WHERE BLOCKING IS REQUIRED.
11. COORDINATE PLUMBING ROUGH-INS, SINK SIZES & LOCATION OF SINKS W/ CABINET INSTALLER.
12. COORD. W/ MECHANICAL SUBCONTRACTOR AND PROVIDE ALL MECH. OPENINGS IN STUD WALLS (W/ STRUCT. HEADERS AS REQUIRED), JOISTS, MASONRY WALLS, ETC.
13. ALL MECH. GRILLS ARE TO BE PAINTED.
14. ALL EXPOSED STEEL TO BE PAINTED.
15. ALL WALLS ARE TO BE SECURELY BRACED TO STRUCTURE ABOVE FOR SUPPORT.
16. ALL PLASTER / DRYWALL SOFFITS & BULKHEADS ARE TO BE PAINTED.
17. CONTRACTOR TO SEAL ALL NEW UTILITY PENETRATIONS THROUGH ALL INTERIOR WALLS.
18. CONCEAL ALL NEW CONDUIT, PLUMBING, ETC IN NEW WALLS OR UNDER NEW CONCRETE FLOOR SLABS.

ABBREVIATIONS

ACOUST.	ACOUSTIC	H.R.	HOUR
ADJ.	ADJACENT	HORIZ.	HORIZONTAL
A.F.F.	ABOVE FINISH FLOOR	H.M.	HOLLOW METAL
ALT.	ALTERNATE	HW.	HOT WATER
ALUM.	ALUMINUM	IN/IN	INSIDE TO INSIDE
ARCH.	ARCHITECTURAL	INSUL.	INSULATION
A.V.S.	ACID VENT STACK	INV.	INVERT
B/BRG	BEAM BEARING	MANUF.	MANUFACTURED
BRG	BEARING	MAX.	MAXIMUM
B/FTG	BOTTOM OF FOOTING	M.C.	MECHANICAL CONTRACTOR
BOT.	BOTTOM	MIN.	MINIMUM
C.B.	CATCH BASIN	M.O.	MASONARY OPENING
C.L.	CENTER LINE	MTL.	METAL
CLG.	CEILING	N.I.C	NOT IN CONTRACT
COMP.	COMPACTED	N.T.S.	NOT TO SCALE
CMU	CONCRETE MASONRY UNIT	O.C.	ON CENTER
CONC.	CONCRETE	O.D.	OUTER DIAMETER
CONT.	CONTINUOUS	O/O	OUTSIDE TO OUTSIDE
COORD.	COORDINATE	OPP.	OPPOSITE HAND
CW.	COLD WATER	P.C.	PLUMBING CONTRACTOR
D.F.	DRINKING FOUNTAIN	PL. (PLT)	PLATE
DIA.	DIAMETER	POLY.	POLYISOCYANURATE
DISP	DISPENCER	PREFAB.	PREFABRICATED
DN.	DOWN	RAD.	RADIUS
D.S	DOWNSPOUT	REINF.	REINFORCED
DWG.	DRAWING	REQD.	REQUIRED
EA.	EACH	RM.	ROOM
E.C.	ELECTRICAL CONTRACTOR	SHT.	SHEET
E.J.	EXPANSION JOINT	SIM.	SIMILAR
E/S	EACH SIDE	SL. (SLP.)	SLOPE
ELEC.	ELECTRIC	SQ.	SQUARE
ELEM.	ELEMENTRY	STL.	STEEL
ELEV. (EL.)	ELEVATION	STP. FTG.	STEP FOOTING
EQ.	EQUAL	STRUCT.	STRUCTURE
EXP.	EXPANSION	T&B	TOP AND BOTTOM
F.D.	FLOOR DRAIN	TEMP.	TEMPERED
F.E.	FIRE EXTINGUISHER	T/FTG.	TOP OF FOOTING
F/FLR	FINISH FLOOR	THK.	THICK
FIN.	FINISH	T/ST.	TOP OF STEEL
FL.	FLOOR	TYP.	TYPICAL
FND.	FOUNDATION	U.N.O.	UNLESS NOTED OTHERWISE
F.R.	FIRE RATED	V.S.	VENT STACK
FT.	FEET	WD.	WOOD
GA.	GAUGE	W.W.F.	WELDED WIRE FABRIC
GAL. / GALV.	GALVANIZED	W/	WITH
G.C.	GENERAL CONTRACTOR	W/O	WITHOUT
H.C.	HANDICAP		

ALTERNATES

1 - CERAMIC TILE IN RESTROOMS

2. - STANDING SEAM METAL ROOF INSTEAD OF SHINGLE ROOF

3 - ADDITIONAL CASEWORK AND CASEWORK UPGRADES

4 - PEDESTRIAN LIGHTING AND ADDITIONAL LIGHTING

REVISION KEY

SYMBOL	DATE	DESCRIPTION	SYMBOL	DATE	DESCRIPTION

GENERAL PROJECT INFORMATION

PROJECT ADDRESS:
GRAND LAKE ST. MARY'S STATE PARK
834 EDGEWATER DRIVE
ST. MARY'S OHIO 45885

OWNER:
OHIO DEPARTMENT OF NATURAL RESOURCES
OHIO STATE PARK & WATERCRAFT

ARCHITECT & ENGINEER:
BUEHRER GROUP
ARCHITECTURE & ENGINEERING, INC.
314 CONANT STREET
MAUMEE, OHIO 43537
(419) 893-9021 OFFICE
CONTACT: MICHAEL ROWE
EMAIL: MICHAEL@BUEHRERGROUP.COM

CIVIL ENGINEERING:
VERDANTAS
219 S. ERIE STREET
TOLEDO, OHIO 43604
(419) 255.4111 OFFICE

LANDSCAPE ARCHITECT:
EDGE
33 SOUTH MICHIGAN STREET
SUITE 304
TOLEDO, OHIO 43604
(419) 255.5335 OFFICE

REFERENCE SYMBOLS

IDENTIFICATION NUMBER
SAME NUMBER ON SHEET WHERE DRAWN OR REFERENCED

SHEET IDENTIFICATION NUMBER
SHEET NUMBER WHERE DETAIL IS DRAWN

1 / A1.1 — DETAIL NAME
SCALE: 1/4"=1'-0"

IDENTIFICATION NUMBER
SAME NUMBER ON SHEET WHERE DRAWN OR REFERENCED

SHEET IDENTIFICATION NUMBER
SHEET NUMBER WHERE SECTION IS DRAWN

1 / A1.1 — SECTION NAME
SCALE: 1/4"=1'-0"

ROOM NAME AND NUMBER IDENTIFICATION

ROOM NAME
RM. #
- SQUARE FEET

DOOR IDENTIFICATION

200A
ROOM NUMBER

MULTIPLE DOORS SHALL REPEAT ROOM NUMBER WITH A POSTSCRIPT LETTER FOR EACH ADDITIONAL DOOR REQUIRED

NEW DOOR
EXISTING DOOR
EXISTING DOOR TO BE REMOVED

NORTH

PLAN NAME
SCALE:

KENT D. BUEHRER
STATE OF OHIO
REGISTERED ARCHITECT
11087

KENT D. BUEHRER, LICENSE #11087
EXPIRATION DATE 12/31/25
SIGNATURE DATE 09/19/25

GLSM PARK OFFICE
FOR
OHIO DEPARTMENT OF NATURAL RESOURCES DNR-250013
AUGLAZE COUNTY, OHIO

BUEHRERGROUP
architecture & engineering, inc.
314 CONANT ST., MAUMEE, OH 43537 | P 419.893.9021 F 419.893.9027 | BUEHRERGROUP.COM

REVISION SCHEDULE

ISSUE DATE: 09/19/2025

JOB NUMBER: 241224

CONSTRUCTION DOCUMENTS

TS2

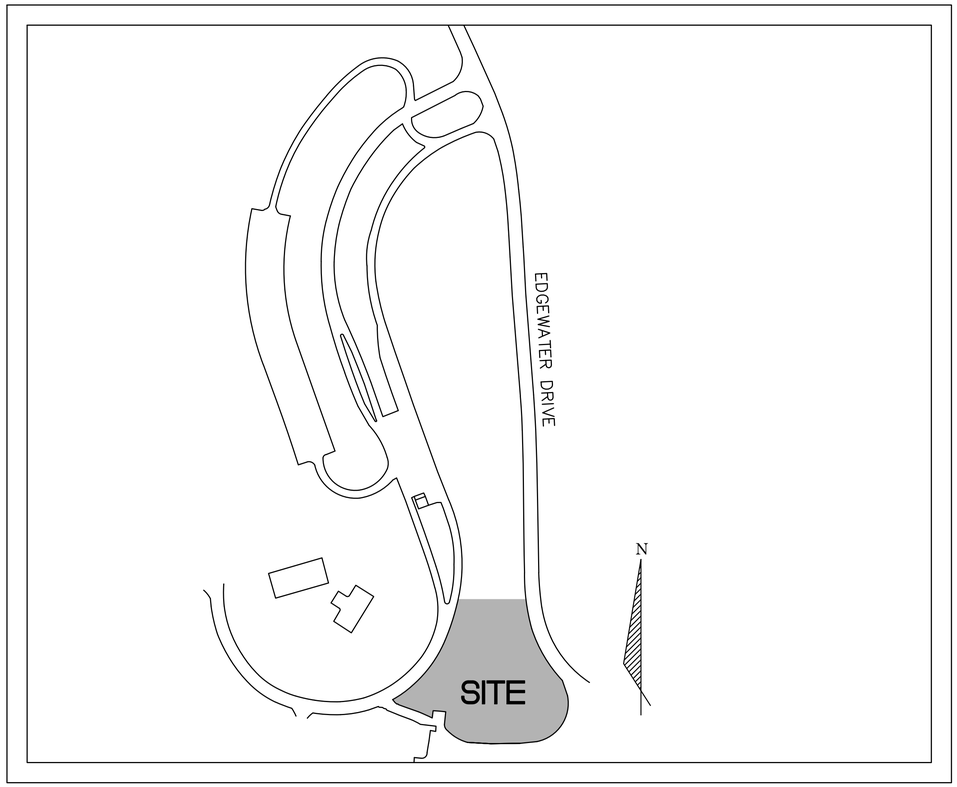
SWP3 NOTICE

THIS SITE IS UNDER 1 ACRES OF DISTURBANCE (0.95 ACRES DISTURBED) AND DOES NOT REQUIRE AN OHIO EPA CONSTRUCTION STORM WATER PERMIT NOTICE OF INTENT.

ALTHOUGH AN OHIO EPA CONSTRUCTION STORM WATER PERMIT IS NOT REQUIRED FOR THIS DEMOLITION PROJECT THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULL COMPLIANCE WITH THE OHIO EPA'S CONSTRUCTION STORM WATER PERMIT AS IF IT WAS REQUIRED. CONTRACTOR SHALL ASSIGN A STORM WATER POLLUTION PREVENTION PLAN (SWP3) INSPECTOR FOR THIS PROJECT AND CONDUCT INSPECTIONS AS REQUIRED PER THE PERMIT. .

CONTRACTOR SHALL SUBMIT THE INSPECTION LOGS, SIGNED BY THE SWP3 INSPECTOR, TO THE OWNER WITHIN 24 HOURS AFTER THE INSPECTION HAS BEEN COMPLETED.

CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTION, REPORTING AND MAINTENANCE/REVISIONS OF EROSION CONTROL MEASURES THROUGHOUT DURATION OF THE DEMOLITION PROJECT..



SITE MAP

NOT TO SCALE

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8	PROPOSED GRADING AND STRIPING
9	OVERALL SITE PLAN AND EROSION CONTROL
10	EROSION CONTROL NOTES AND DETAILS

PROJECT INFORMATION

CONTRACTOR: _____

ADDRESS: _____

PHONE: _____

SWP3 INSPECTOR: _____

PHONE: _____

START DATE: _____

COMPLETION DATE: _____

ADDRESS

900 EDGEWATER DR
SAINT MARYS, OHIO 45885
Pt. PARCEL No:
LAT: 40.545794
LONG: -84.437514

BENCH MARK

BM#1
CROSS CUT ON SOUTH RIM OF MANHOLE
ELEVATION 877.16 NAVD88
N 326200.90 E 1429946.24
LE FB 54036

OWNER / DEVELOPER

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENGINEERING
ERIC MOSER
PROJECT MANAGER
2045 MORSE RD. BUILDING E-3
COLUMBUS, OHIO 43229
PHONE: 614-230-9819
ERIC.MOSER@DNR.OHIO.GOV

WETLANDS

THERE ARE NO WETLANDS WITHIN 200' OF THE SITE PER THE US FISH AND WILDLIFE SERVICE NATIONAL WETLANDS INVENTORY

FLOOD PLAIN

FLOOD INSURANCE STUDY
TABLE 2 – SUMMARY OF ELEVATIONS
GRAND LAKE ST. MARYS WITHIN COMMUNITY
ZONE AE ELEV 873 NGVD
DATED 09/06/1989
AND ZONE X
MAP # 39011C0080C
EFFECTIVE 9/6/1989

UTILITY SURVEY LEVEL

SUBSURFACE UTILITY SURVEY HAS BEEN COMPLETED TO THE FOLLOWING INDICATED LEVEL PER THE STANDARDS OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) CI/ASCE 38-02.

○ QUALITY LEVEL D – INFORMATION DERIVED FROM EXISTING RECORDS OR ORAL RECOLLECTIONS.

● QUALITY LEVEL C – INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D.

○ QUALITY LEVEL B – INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS (TYPICALLY GROUND PENETRATING RADAR) TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES.

QUALITY LEVEL A – PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES, USUALLY AT A SPECIFIC POINT.

THE CLIENT SHALL INFORM VERDANTAS LLC IF A HIGHER LEVEL OF UTILITY LOCATION IS REQUIRED.

ENVIRONMENTAL STUDIES

AN ENVIRONMENTAL STUDY, INCLUDING FLOODPLAIN DELINEATION, WETLAND DELINEATION, PHASE 1 ENVIRONMENTAL STUDY, AND/OR HISTORICAL REVIEW, IS NOT PART OF THIS WORK. NO OBSERVABLE EVIDENCE OF AN ON-SITE CEMETERY WAS FOUND. THE CLIENT SHALL INFORM VERDANTAS LLC IF ENVIRONMENTAL, HISTORICAL OR ARCHEOLOGICAL SERVICES ARE REQUIRED.

VERDANTAS LLC HAS NOT BEEN PROVIDED A COPY OF ANY WETLAND DELINEATION FOR THIS SITE, NOR DID THE FIRM FIND ANY FIELD EVIDENCE OF MARKINGS BY A THIRD PARTY TO DENOTE THE LIMITS OF ANY POTENTIAL WETLAND.

811 Know what's below. Call before you dig.

WARNING

UNDERGROUND CONDUITS IN AREA; CONTACT THE OHIO UTILITIES PROTECTION SERVICE (OUPS) TWO WORKING DAYS PRIOR TO ANY EXCAVATION, DEMOLITION OR CONSTRUCTION.....1-800-362-2764

CONTRACTOR SHALL IDENTIFY AND CONTACT ANY UTILITY COMPANIES THAT DO NOT PARTICIPATE IN THE OUPS SYSTEM.

TITLE

VERDANTAS LLC HAS NOT BEEN PROVIDED A CURRENT TITLE COMMITMENT FOR THE SUBJECT LANDS. AS SUCH, ANY EASEMENTS, RIGHT-OF-WAYS, RESTRICTION OR OTHER TITLE MATTERS THAT MAY BE CONTAINED THEREIN ARE NOT SHOWN ON THIS SURVEY.

verdantas
219 SOUTH ERIE STREET
TOLEDO, OHIO 43604-8607
TEL. 419.385.2018

PROFESSIONAL ENGINEER — STATE OF OHIO — TROY M BARMAN E-61087 REGISTERED PROFESSIONAL ENGINEER — P.E. #61607 — STATE: OHIO

DRAWN BY	CHECKED BY	TOPO/UTILITY	PROJECT NO.
MPF	TMB	MPF	30131

CHK'D BY / DATE

No.	REVISION

ST. MARYS TOWNSHIP ~ AUGLAIZE COUNTY ~ OHIO

GRAND LAKE ST. MARYS STATE PARK

PT. NE. 1/4 & SE. 1/4 OF SEC. 6, T6S, R4E
PROPOSED SITE IMPROVEMENTS

APPLICATION NO.

DATE 09/19/2025

SCALE N/A

SHEET 1 OF 10

PAVEMENT NOTES:

1.01 GENERAL

A. PRICE ADJUSTMENTS SHALL NOT APPLY ON THIS PROJECT INCLUDING, BUT NOT LIMITED TO, ODOT SECTION 401.20 ~ ASPHALT BINDER PRICE ADJUSTMENT

B. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION STAKING

C. THE EARTHWORK ON THIS SITE MAY NOT BE BALANCED AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXCAVATE AND PROPERLY DISPOSE OF EXCESS MATERIAL OFF SITE AND/OR PROVIDE, PLACE AND COMPACT SUITABLE FILL MATERIAL AS REQUIRED FOR THE PROJECT. MOUNDING OF EXCESS MATERIAL OR EXCAVATING BORROW PITS ON SITE IS NOT PERMITTED WITHOUT THE WRITTEN APPROVAL OF THE OWNER.

1.02 DESIGN THICKNESS FOR PAVEMENT

A. CONTRACTOR SHALL CONSTRUCT ASPHALT AND CONCRETE PAVEMENTS AS INDICATED ON THE PLANS ALONG WITH CONCRETE CURBS AND SIDEWALKS

B. ASPHALT PAVEMENT

ODOT 441 SURFACE TYPE 1 PG 64–22	= 1.5"
ODOT 441 INTERMEDIATE TYPE 1 PG 64–22	= 2.5"
ODOT 304 AGGREGATE BASE	= 10"
SUBGRADE COMPACTION	
TOTAL	= 14"

C. EXTERIOR CONCRETE SIDEWALK

ODOT ITEM 452 ~ UNREINFORCED CONCRETE	4,000 PSI CONCRETE, 3" SLUMP
DOWEL JOINT PER ODOT 499	= 4"
ODOT ITEM 304 ~ AGGREGATE BASE	= 3"
SUBGRADE COMPACTION	
TOTAL	= 7"

D. CRUSHED CONCRETE SHALL NOT BE USED ON THIS PROJECT

E. CONTRACTOR SHALL SUBMIT A CONCRETE JOINTING PLAN FOR REVIEW AND APPROVAL

CONCRETE NOTES:

1.03 MIX DESIGN:

A. THE MINIMUM 28–DAY COMPRESSIVE STRENGTH OF CONCRETE SHALL BE 4,000 PSI. NO LESS THAN 6 BAGS (564 POUNDS) OF CEMENT SHALL BE USED IN EACH CUBIC YARD OF CONCRETE. THE MAXIMUM WATER CEMENT RATIO SHALL NOT EXCEED 0.44 (5 GALLONS/BAG OF CEMENT).

B. THE CONCRETE SHALL HAVE A MAXIMUM 4" SLUMP WHEN TESTED WITH A STANDARD SLUMP CONE (ASTM C143), LATEST EDITION. IF THE ABOVE CONCRETE DEVELOPS A CONSISTENCY OF DIFFICULT WORKABILITY, THEN A SUPERPLASTICIZER ADMIXTURE MAY BE USED AFTER OWNERS APPROVAL. DO NOT ADD WATER TO INCREASE SLUMP.

C. ALL CONCRETE TO BE FINISHED INCLUDING WALKS, PAVEMENT AND CURBS SHALL BE AIR–ENTRAINED. ENTRAINED AIR IN CONCRETE SHALL BE A MINIMUM OF 5% AND A MAXIMUM OF 7% BY VOLUME. THE AIR CONTENT SHALL BE MEASURED AT POINT OF DISCHARGE INTO FORMS.

D. CONCRETE TO BE FINISHED FOR PAVEMENT/APPROACHES/PADS SHALL HAVE MACRO–SYNTHETIC FIBROUS REINFORCEMENT. MACRO–SYNTHETIC FIBROUS REINFORCEMENT SHALL COMPLY WITH THE FOLLOWING FIBER CHARACTERISTICS:

1. CONFIGURATION – FIBER SHALL BE A SYNERGISTIC COMBINATION OF A TWISTED–BUNDLE NON–FIBRILLATING MONOFILAMENT AND A FIBRILLATING NETWORK FIBER SYSTEM.
2. CHEMISTRY – FIBER SHALL BE MADE OF 100% VIRGIN MATERIALS IN THE FORM OF FULLY–ORIENTED COPOLYMER/POLYPROPYLENE, GRAY IN COLOR.
3. CONTENTS – FIBER SHALL BE USED AT A DOSAGE RATE OF 3 LBS. PER CUBIC YARD.
4. CORRECT LENGTH – FIBER LENGTH SHALL BE 2.25".

COMPLIANCE: FIBERS SHALL COMPLY WITH A.S.T.M. C–1116 "STANDARD SPECIFICATION FOR FIBER REINFORCED CONCRETE AND SHOTCRETE". THE APPROVED PRODUCT IS FORTA–FERRO® STRUCTURAL FIBER AS MANUFACTURED BY FORTA CORPORATION, GROVE CITY, PA, U.S.A. PHONE: 1–800–245–0306 OR 1–724–458–5221; FAX: 1–724–458–8331.

E. CONTRACTOR SHALL SUBMIT A MIX DESIGN FOR APPROVAL BY OWNER AT LEAST TWO WEEKS BEFORE CONCRETE WORK BEGINS. DESIGN SHALL DETAIL ALL CONSTITUENTS AND GRADATION. THE CONCRETE SHALL CONFORM TO "STANDARD SPECIFICATION FOR READY–MIXED CONCRETE (ASTM C94), LATEST EDITION.

F. CONTRACTOR SHALL ASSURE THE OWNER THAT THE CONCRETE MEETS SPECIFICATIONS BY FURNISHING BATCH TICKETS WHEN THE CONCRETE IS DELIVERED TO THE SITE.

1.04 MIXING AND PLACING CONCRETE:

A. MIXING AND PLACING CONCRETE SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318), LATEST EDITION & LOCAL BUILDING CODES.

B. CONVEYING: CONCRETE SHALL BE CONVEYED FROM THE MIXER TO THE PLACE OF FINAL DEPOSIT BY METHODS WHICH WILL PREVENT THE SEPARATION OR LOSS OF MATERIALS.

C. DEPOSITING:

1. THE SUBGRADE OR SUBBASE SHALL BE SPRINKLED AT SUCH TIMES AND IN SUCH MANNER AS DIRECTED BY THE ENGINEER SO THAT IT WILL BE IN A THOROUGHLY MOISTENED CONDITION WHEN THE CONCRETE IS DEPOSITED THEREON. SUBGRADE SHOULD ALSO BE UNDISTURBED OR COMPACTED TO MAXIMUM DRY DENSITY IN ACCORDANCE WITH SOIL REPORT PREPARED BY A LICENSED TESTING FIRM.
2. CONCRETE SHALL BE DEPOSITED AS NEARLY AS PRACTICABLE IN ITS FINAL POSITION TO AVOID SEGREGATION DUE TO REHANDLING OR FLOWING. USE CHUTES, BOTTOM DUMP BUCKETS, OR OTHER METHOD APPROVED BY OWNER. CONCRETE SHALL NOT BE SPREAD HORIZONTALLY USING VIBRATING EQUIPMENT.
3. THE CONCRETING SHALL BE CARRIED ON AT SUCH A RATE THAT THE CONCRETE IS AT ALL TIMES PLASTIC AND FLOWS READILY INTO THE SPACES BETWEEN REINFORCING BARS. NO CONCRETE THAT HAS PARTIALLY HARDENED OR BEEN CONTAMINATED BY FOREIGN MATERIALS SHALL BE DEPOSITED IN THE STRUCTURE, NOR SHALL RETEMPERED CONCRETE BE USED.
4. ONCE CONCRETE WORK HAS BEGUN, IT SHALL BE CARRIED ON AS A CONTINUOUS OPERATION UNTIL THE PLACING OF THE PANEL OR SECTION IS COMPLETED.
5. ALL CONCRETE SHALL BE THOROUGHLY CONSOLIDATED BY SUITABLE MEANS DURING PLACEMENT, SHALL BE THOROUGHLY WORKED AROUND THE REINFORCEMENT AND EMBEDDED FIXTURES AND INTO THE CORNERS OF THE FORMS.
6. CONCRETE SHALL BE DEPOSITED AS NEAR TO EXPANSION AND CONTRACTION JOINTS AS POSSIBLE WITHOUT DISTURBING THEM, BUT SHALL NOT BE DUMPED FROM THE DISCHARGE BUCKET OR HOPPER ONTO A JOINT ASSEMBLY UNLESS HOPPER IS WELL CENTERED ON THE ASSEMBLY. CONCRETE SHALL BE CONSOLIDATED AROUND EXPANSION AND CONSTRUCTION JOINTS BY MEANS OF INTERNAL VIBRATION.

1.05 COLD WEATHER REQUIREMENTS:

A. ADEQUATE EQUIPMENT SHALL BE PROVIDED FOR HEATING THE CONCRETE MATERIALS AND PROTECTING THE CONCRETE DURING FREEZING OR NEAR–FREEZING WEATHER. ALL CONCRETE MATERIALS AND ALL REINFORCEMENT, FORMS, FILLERS, AND GROUND WHICH CONTACT THE CONCRETE SHALL BE FREE FROM FROST. NO FROZEN MATERIALS OR MATERIALS CONTAINING ICE SHALL BE USED.

B. CONCRETE DELIVERED IN COLD WEATHER SHALL HAVE THE APPLICABLE MINIMUM TEMPERATURE AS FOLLOWS:

AIR TEMPERATURE °F	MINIMUM CONCRETE TEMPERATURE °F
30 – 45	60
0 – 30	65
BELOW 0	70

C. CONCRETE SHALL BE MAINTAINED ABOVE 50 °F AND IN A MOISTURE CONDITION FOR AT LEAST THE FIRST SEVEN (7) DAYS AFTER PLACING.

D. THE MAXIMUM TEMPERATURE OF CONCRETE PRODUCED WITH HEATED AGGREGATES, HEATED WATER, OR BOTH, SHALL AT NO TIME DURING ITS PRODUCTION OR TRANSPORTATION, EXCEED 90 °F.

1.06 HOT WEATHER REQUIREMENTS:

A. FOLLOW REQUIREMENTS OF ACI 305, LATEST EDITION.

B. DURING HOT WEATHER, STEPS SHALL BE TAKEN TO REDUCE CONCRETE TEMPERATURE AND WATER EVAPORATION BY PROPER ATTENTION TO INGREDIENTS, PRODUCTION METHODS, HANDLING, PLACING, PROTECTION, AND CURING. THE PREFERRED PROTECTION IS A COVERING OF KRAFT PAPER (ASTM C171) FOR A PERIOD OF TWENTY–FOUR HOURS AFTER PLACING.

1.07 FORMWORK:

A. FORMS FOR ALL CONTACT FACES SHALL BE DRESSED LUMBER OR MANUFACTURED FORMS. THEY SHALL CONFORM TO THE SHAPE, LINES AND DIMENSIONS OF THE MEMBER AS SPECIFIED ON THE DRAWINGS.

B. ALL FORMS SHALL BE SET WITH REASONABLE CONFORMANCE TO THE REQUIRED GRADE AND ALIGNMENT AND BE SUPPORTED ON THOROUGHLY COMPACTED MATERIAL FOR THEIR ENTIRE LENGTH DURING THE ENTIRE OPERATION OF PLACING AND FINISHING OF THE CONCRETE. AFTER THE SETTING OF SIDE FORMS THE TOP FACE OF THE FORM SHALL NOT VARY FROM A TRUE PLANE MORE THAN 1/8 INCH IN 10 FEET, AND THE VERTICAL FACE SHALL NOT VARY MORE THAN 1/4 INCH IN 10 FEET, AND THEY SHALL BE TESTED BY THE CONTRACTOR AND VARIATIONS FROM THE ABOVE REQUIREMENTS SHALL BE ELIMINATED BY RESETTING THE FORMS. SHIMMING WITH LOOSE EARTH, PEBBLES, ETC., WILL NOT BE PERMITTED.

C. FORMS SHALL BE SUBSTANTIAL AND SUFFICIENTLY TIGHT TO PREVENT LEAKS. THEY SHALL BE PROPERLY BRACED OR TIED TOGETHER TO MAINTAIN POSITION AND SHAPE.

D. PRIOR TO POURING THE CONCRETE, ALL DEBRIS SHALL BE REMOVED FROM WITHIN THE FORMWORK AND THE FORMS SHALL BE WET DOWN. NO CONCRETE SHALL BE POURED IF THE SUBGRADE HAS STANDING WATER OR IS MUDDY.

E. FORMS SHALL BE REMOVED IN SUCH MANNER AS TO ENSURE THE COMPLETE SAFETY OF THE STRUCTURE. WHERE THE STRUCTURE AS A WHOLE IS ADEQUATELY SUPPORTED, THE FORMS MAY BE REMOVED AFTER 24 HOURS PROVIDED THE CONCRETE IS SUFFICIENTLY STRONG TO CARRY ITS OWN WEIGHT AND ALL OTHER CONSTRUCTION LOADS WHICH MAY OCCUR.

1.08 WALKS, PAVING AND CURBS

A. THE SUBGRADE OR BASE SHALL BE SPRINKLED AND THOROUGHLY MOISTENED PRIOR TO CONCRETE PLACEMENT. NO CONCRETE SHALL BE POURED IF THE SUBGRADE HAS STANDING WATER OR IS MUDDY.

B. CONCRETE SHALL BE POURED MONOLITHICALLY WITHIN LIMITS OF EXPANSION JOINTS SHOWN ON THE DRAWINGS.

C. ALL WALKS AND PAVING SHALL BE WOOD FLOATED, WOOD TROWELED AND THEN LIGHTLY STEEL TROWELED TO SECURE A SEMI–SMOOTH SURFACE. SURFACE SHALL THEN BE BROOM FINISHED TO MATCH APPROVED SAMPLE.

D. EXPOSED SURFACES OF CURBS AND RETAINING WALLS SHALL HAVE A SMOOTH FINISH. REMOVE FINS AND PROJECTIONS, PATCH DEFECTIVE AREAS WITH CEMENT GROUT, AND RUB WITH CARBORUNDUM BRICK AND CEMENT MORTAR TO A SMOOTH UNIFORM TEXTURE.

E. ALL CROSSWALKS SHALL HAVE "BARRIER–FREE" ACCESS PER THE AMERICANS WITH DISABILITIES ACT REQUIREMENTS.

1.09 REPAIR OF DEFECTIVE CONCRETE SURFACES:

A. CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING AND PROTECTING ALL NEW CONCRETE FROM BEING DISTURBED. CONCRETE IN WHICH THE FINISH HAS BEEN DISTURBED SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S COST. ANY SECTIONS OF PAVEMENT THAT REQUIRE REMOVAL AND REPLACEMENT SHALL BE DOWELED INTO THE ADJACENT PAVEMENT

B. DO NOT PATCH DEFECTIVE CONCRETE UNTIL EXAMINED AND APPROVED BY THE OWNER. WHERE SO APPROVED, MAKE REPAIRS IN ACCORDANCE WITH DETAILED INSTRUCTIONS GIVEN BY THE OWNER

1.10 SURFACE TREATMENT:

A. LIQUID MEMBRANE–FORMING COMPOUNDS FOR CURING CONCRETE. FURNISH LIQUID MEMBRANE–FORMING COMPOUNDS CONFORMING TO ASTM C 309, WITH THE FOLLOWING MODIFICATION:

8.1 EQUIP THE CONTAINERS FOR TYPE 2 WHITE PIGMENTED LIQUID MEMBRANE–FORMING COMPOUNDS WITH MECHANICAL AGITATORS. ASSIGN EACH CONTAINER IN ANY BATCH OR LOT. A NUMBER AS THE CONTAINER IS BEING FILLED

1.11 CONCRETE TREATMENT:

A. CONTRACTOR SHALL PROVIDE CONSTRUCTION, EXPANSION AND CONTROL JOINTS AS INDICATED OR REQUIRED.

B. CONSTRUCTION JOINTS SHALL BE USED WHENEVER PLACING OPERATIONS ARE INTERRUPTED. THESE JOINTS SHALL BE KEYED AND LOCATED SO THE STRENGTH AND APPEARANCE OF THE STRUCTURE IS NOT IMPAIRED.

C. EXPANSION JOINTS SHALL BE INSTALLED AS INDICATED ON THE DRAWINGS. FLEXIBLE JOINT FILLER SHALL BE MINIMUM 1/2 INCH THICK PREFORMED SPONGE RUBBER (ASTM D1752) OR APPROVED EQUAL. JOINT FILLER SHALL EXTEND FULL DEPTH OF SLAB.

ASPHALT PAVEMENT NOTES:

PART 2 - GENERAL

2.01 GENERAL

A. PRICE ADJUSTMENTS SHALL NOT APPLY ON THIS PROJECT INCLUDING, BUT NOT LIMITED TO, ODOT SECTION 401.20 ~ ASPHALT BINDER PRICE ADJUSTMENT.

PART 3 - PRODUCTS

3.01 BASE COURSE:

A. THE AGGREGATE SHALL BE CLEAN, TOUGH DURABLE CRUSHED LIMESTONE FROM A MINIMUM SIZE NOT LESS THAN ONE (1) INCH TO THE MAXIMUM SIZE NOT MORE THAN TWO (2) INCHES, WITH A SIEVE ANALYSIS TOLERANCE OF TEN (10) PERCENT ON BOTH MAXIMUM AND MINIMUM SIZES. AGGREGATE SHALL WEIGH NOT LESS THAN 90 POUNDS PER CUBIC FOOT FOR LIMESTONE.

B. THE SCREENINGS SHALL CONSIST OF THE SAME MATERIALS AS SPECIFIED ABOVE FOR COARSE MATERIAL, FREE FROM DIRT OR OTHER FOREIGN SUBSTANCES. THIS MATERIAL SHALL NOT EXCEED A MAXIMUM SIZE OF ONE–HALF (1/2) INCH AND ALL SMALLER SIZES DOWN TO AND INCLUDING DUST.

3.02 TACK COAT:

A. THE TACK COAT SHALL CONSIST OF ONE PART WATER TO ONE PART SS–1 ASPHALT EMULSION. IT SHALL BE APPLIED AT A RATE OF 0.05 TO 0.15 GALLONS/SQ. YARD.

3.03 TRAFFIC MARKING PAINT:

A. GLIDDEN "TRAFFIC ZONE PAINT", SHERWIN–WILLIAMS "PRO MAR" SERIES B36, OR APPROVED EQUAL. COLOR SHALL BE SELECTED BY OWNER.

PART 4 - EXECUTION

4.01 EQUIPMENT:

A. EQUIPMENT USED SHALL BE OF TYPE, SIZE, WEIGHT AND SHAPE BEST SUITED TO OBTAIN UNIFORMITY, DENSITY AND SHAPING AS REQUIRED BY THE PLANS AND SPECIFICATIONS.

4.02 WEATHER LIMITATIONS:

A. NO PAVEMENT SHALL BE INSTALLED WHEN THE TEMPERATURE IS BELOW 50° F OR WHEN THE SURFACES CONTAIN FROST OR AN EXCESS OF MOISTURE , OR WHEN WEATHER CONDITIONS PREVENT PROPER SPREADING, FINISH, OR COMPACTION. UNDER NO CIRCUMSTANCES SHALL ANY MIXTURE BE DEPOSITED OR SPREAD ON AN UNDERLYING ASPHALTIC CONCRETE COURSE WHERE A DEPOSIT OF LEAVES, LOOSE AGGREGATE, CLAY OR LOAM REMAINS.

4.03 PREPARATION:

A. THE SUBGRADE SHALL BE PROPERLY PREPARED AND ROLLED OVER THE FULL WIDTH A ROLLER OF SUITABLE WEIGHT (PREFERABLY A THREE–WHEEL ROLLER WEIGHING 10 TONS) BEFORE PLACING THE BASE COURSE. CHECK FOR UNSTABLE AREAS AND AREAS REQUIRING ADDITIONAL COMPACTION. REPLACE UNACCEPTABLE AREAS WITH NEW MATERIAL AS SPECIFIED IN EARTHWORK SPECIFICATION.

B. ALL DEBRIS, VEGETATION OR OTHER PERISHABLE MATERIALS SHALL BE REMOVED FROM AREAS TO BE PAVED. THE SITE TO BE PAVED SHALL BE GRADED TO THE REQUIRED SECTION AND ALL EXCESS MATERIAL REMOVED FROM THE LOCATION OF WORK. (MATERIAL IN SOFT SPOTS SHALL BE REMOVED TO A DEPTH EQUAL TO THE BEST SUBGRADE MATERIAL ON SITE). THE SUBGRADE SHALL BE COMPACTED WITH A ROLLER WEIGHING AT LEAST EIGHT (8) TONS TO A DENSITY OF BETWEEN 95 AND 100% STANDARD PROCTOR MAXIMUM DRY UNIT WEIGHT (ASTM D 698O) AT OPTIMUM TO PLUS 4% OVER OPTIMUM. THE SURFACES OF THE SUBGRADE AFTER COMPACTION SHALL BE HARD, UNIFORM, SMOOTH, AND TRUE TO GRADE AND CROSS SECTION.

C. ADJACENT ABUTTING VERTICAL CONSTRUCTION, SUCH AS BUILDING WALLS OR RAISED CURBS, SHOULD BE THOROUGHLY PAINTED WITH A HOT ASPHALT CEMENT OR ASPHALT EMULSION TO A DEPTH EQUAL TO THE THICKNESS OF THE BASE AND SURFACE COURSE.

D. IN AREAS TOO SMALL FOR A ROLLER, A VIBRATING PLATE COMPACTOR, OR HAND TAMPER SHALL BE USED TO ACHIEVE THOROUGH COMPACTION.

E. WHEN ABUTTING EXISTING PAVING, A JOINT SHALL BE SAW–CUT TO A SUFFICIENT DEPTH SO A STRAIGHT, SQUARE EDGE IS FORMED. SAID JOINT SHALL BE RELIEVED AND SEALED.

4.04 BASE COURSE:

A. THE COARSE AGGREGATE OF THE BASE COURSE SHALL BE SPREAD EVENLY UPON THE PREPARED SUBGRADE AND COMPACTED. THIS COURSE SHALL BE ROLLED WITH A THREE–WHEEL POWER ROLLER WEIGHING NOT LESS THAN EIGHT (8) TONS. ROLLING SHALL CONTINUE UNTIL THE STONE IS LOCKED AND DOES NOT CREEP OR WAVE AHEAD OF THE WHEELS. SUFFICIENT SCREENINGS SHALL THEN BE APPLIED TO COMPLETELY FILL THE VOIDS AND THE BASE COURSE AGAIN ROLLED, ADDING SCREENINGS AS REQUIRED. ROLLING SHALL CONTINUE AND ADDITIONAL SCREENING SHALL BE APPLIED WHERE NECESSARY UNTIL THE COARSE MATERIAL IS WELL BONDED AND FIRMLY SET TO PRODUCE A ROUGH GRANULAR SURFACE.

4.05 TACK COAT:

A. IF THE ASPHALT INTERMEDIATE COURSE HAS BEEN USED BY TRAFFIC AND IS IN A WORN CONDITION, THEN IT SHALL BE CLEANED AND COATED WITH A TACK COAT BEFORE APPLYING THE ASPHALT SURFACE COURSE. OVER SPRAY ON ANY CONCRETE SURFACES WILL NOT BE ACCEPTED. THE COST OF TACK COAT SHALL BE INCLUDED IN THE COST OF THE INTERMEDIATE COURSE.

4.06 ASPHALT CONCRETE COURSE:

A. THE PREPARED BASE COURSE SHALL BE CLEANED OF ALL FOREIGN SUBSTANCES BEFORE APPLYING THE ASPHALT CONCRETE COURSES. EACH PREMIXED ASPHALT CONCRETE COURSE SHALL BE SPREAD TO A UNIFORM LOOSE–FILL THICKNESS AND ROLLED WITH A 10–TON, THREE–WHEEL POWER ROLLER. THE FINISHED SURFACE SHALL BE UNIFORM, FREE FROM RUTS OR IRREGULARITIES IN CONTOUR, AND TRUE TO THE ESTABLISHED GRADE. IT MUST PRESENT A SMOOTH RIDING SURFACE.

4.07 QUALITY ASSURANCE:

A. THE PAVEMENT SURFACE SHALL BE CONSTRUCTED SUCH THAT ADEQUATE DRAINAGE IS ACHIEVED. THE CONTRACTOR SHALL UPON COMPLETION OF EACH SECTION OF PAVING, MAKE A WATER TEST FOR DRAINAGE AT THE DISCRETION OF THE OWNER. ANY PORTION WHERE WATER STANDS SHALL BE REWORKED EVEN TO THE POINT OF REPLACEMENT SO THAT IT DRAINS PROPERLY TO THE SATISFACTION OF THE GENERAL CONTRACTOR.

B. THE SURFACE OF THE COMPLETED WORK, WHEN TESTED WITH A TEN–FOOT STRAIGHTEDGE, SHALL NOT CONTAIN IRREGULARITIES IN EXCESS OF 1/4 INCH. DEFECTIVE PAVING SHALL BE REPLACED.

C. CARE SHALL BE EXERCISED BY THE CONTRACTOR TO SECURE A TRUE AND UNIFORM ALIGNMENT ALONG OUTSIDE EDGES.

D. A 20–LB. SAMPLE OF HOT MIX TO BE USED SHALL BE MADE AVAILABLE TO THE GENERAL CONTRACTOR'S REPRESENTATIVE AT LEAST ONE WEEK BEFORE PAVING IS BEGUN. THE GENERAL CONTRACTOR'S REPRESENTATIVE RESERVES THE RIGHT TO CORE THE PAVEMENT TO CHECK THE MIX, COMPACTION, AND THICKNESS

4.08 MARKING PAVEMENT:

A. CLEAN SURFACE TO REMOVE LOOSE MATERIAL AND DIRT. APPLY 4–INCH WIDE PAINT STRIPES WITH MECHANICAL EQUIPMENT TO PRODUCE UNIFORM STRAIGHT EDGES. APPLY 2 COATS AT MANUFACTURER'S RECOMMENDED RATES. MARKING OF NEW ASPHALT SHALL NOT BE DONE FOR 6 MONTHS, UNTIL ASPHALT HAS CURED, OR WHEN DIRECTED BY OWNER.

4.09 PROTECTION:

A. PROTECT EXPOSED FINISHED SURFACES ADJACENT TO PAVING WORK FROM BECOMING DISFIGURED DURING APPLICATION OF PAVING MATERIALS AND FROM PHYSICAL DAMAGE RESULTING FROM CONTACT WITH PAVING EQUIPMENT. SURFACES DAMAGED DURING THE COURSE OF THIS WORK SHALL BE CLEANED, REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE GENERAL CONTRACTOR.

B. PROVIDE TEMPORARY BARRICADES TO KEEP TRAFFIC OFF COMPLETED PAVING WORK. BARRICADES SHALL BE LEFT IN PLACE A MINIMUM OF THREE DAYS AFTER PAVING WORK IS COMPLETED.

4.10 CLEANING UP:

A. IMMEDIATELY PRIOR TO TURNING OVER TO GENERAL CONTRACTOR, REMOVE ALL TRASH, TEMPORARY WOOD FORMS, AND OTHER DEBRIS. DISPOSE OF ALL EXCESS MATERIAL AND RAKE ENTIRE AREA SMOOTH AND CLEAN.

EARTHWORK NOTES:

5.01 GENERAL:

A. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO, GRADES, CONTOURS, IMPROVEMENTS AND UTILITIES PRIOR TO SUBMITTING A BID FOR THE PROJECT. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY APPARENT DISCREPANCIES.

B. CONTRACTOR SHALL TAPER ALL LAWN AREAS AT A MAXIMUM SLOPE OF 5' HORIZONTAL TO 1' VERTICAL FROM PROPOSED CONSTRUCTION TO MATCH EXISTING LAWN GRADES.

C. PROVIDE SHORING, BARRIERS AND RAILINGS AS REQUIRED BY LAW OR REGULATIONS FOR THE PROTECTION OF EMPLOYEES, THE PUBLIC AND ADJACENT PROPERTY.

D. CLOSE OPEN ENDS OF ABANDONED UNDERGROUND UTILITIES WHICH ARE INDICATED TO REMAIN IN PLACE. PROVIDE SUFFICIENTLY STRONG CLOSURES TO WITHSTAND ANY HYDROSTATIC OR EARTH PRESSURE WHICH MAY RESULT AFTER ENDS OF ABANDONED UTILITIES HAVE BEEN CLOSED.

E. PROPERLY BARRICADE, PROTECT AND MAINTAIN ANY OPEN TRENCH OR EXCAVATION TO PREVENT ACCIDENTAL OR UNAUTHORIZED ENTRANCE.

F. REFERENCED PUBLICATIONS

ASTM D698	MOISTURE–DENSITY RELATIONS OF SOILS USING 5.5–LB HAMMER AND 12–IN DROP.
ASTM D1556	DENSITY OF SOIL IN PLACE BY THE SAND–CONE METHOD.
ASTM D2049	RELATIVE DENSITY OF COHESIONLESS SOILS.
ASTM D2167	DENSITY OF SOIL IN PLACE BY THE RUBBER–BALLOON METHOD.

5.02 SITE CLEARING:

A. SITE SHALL BE CLEARED OF ANY IMPROVEMENTS OR OBSTRUCTIONS WITHIN THE ENTIRE AREA TO BE DEVELOPED OR AS SHOWN ON THE DRAWINGS. FOR EXAMPLE, FOUNDATIONS OR ANY OTHER SIMILAR MATERIAL, SHALL BE REMOVED TO A MINIMUM OF THREE FEET BELOW GRADE. TREES UP TO 24" DIAMETER SHALL BE GRUBBED TO A MINIMUM OF TWO FEET BELOW GRADE; TREES EXCEEDING 24" DIAMETER SHALL BE GRUBBED TO A MINIMUM OF THREE FEET BELOW GRADE. ALL TRASH AND DEBRIS SHALL BE REMOVED FROM THE SITE PRIOR TO PLACING ANY FILL, CONCRETE OR PAVING.

B. PRIOR TO REMOVING TOPSOIL, ALL VEGETATION OF A HEIGHT GREATER THAN ONE FOOT SHALL BE REDUCED TO A HEIGHT OF SIX (6) INCHES. ALL SUCH VEGETATION AND ALL BRUSH, ROCKS AND ANY OTHER OBJECTIONABLE LITTER OR FOREIGN MATERIAL SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

C. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND PLUMBING OR ELECTRICAL LINES. COOPERATE WITH UTILITY COMPANIES TO MAINTAIN UTILITY LINES IN CONTINUOUS OPERATION. NO DISRUPTION OF UTILITY SERVICES SHALL BE ALLOWED WITHOUT GENERAL CONTRACTOR AND UTILITY COMPANY APPROVAL.

D. ANY EXISTING UTILITY SERVICES OR UNDERGROUND LINES EXPOSED BY EXCAVATION OR GRADING SHALL BE PROTECTED AND THE PROPER UTILITY COMPANY NOTIFIED.

E. DEMOLISH AND COMPLETELY REMOVE FROM THE SITE ANY EXISTING UNDERGROUND UTILITIES WHICH ARE INDICATED TO BE REMOVED. COORDINATE WITH UTILITY COMPANIES FOR SHUT–OFF OF SERVICES IF LINES ARE ACTIVE.

5.03 EXCAVATION:

A. IN PERFORMING THE EXCAVATION, THE CONTRACTOR SHALL RETAIN SUFFICIENT CLEAN EARTH FOR ALL BACKFILLING OR GRADING.

B. EXCAVATIONS FOR FOUNDATIONS SHALL BE CARRIED TO THE DEPTH SHOWN ON DRAWINGS OR DEEPER, IF NECESSARY, TO ATTAIN PROPER SOIL BEARING VALUE. DEEPER FOUNDATIONS SHALL BE APPROVED IN WRITING BY THE GENERAL CONTRACTOR AND SHALL CONFORM TO ALL GOVERNING CODES.

C. THE CONTRACTOR SHALL AT ALL TIMES DURING THE CONSTRUCTION OF THE WORK, AND AT ITS COMPLETION FOR FINAL INSPECTION, PROVIDE AND MAINTAIN AMPLE MEANS AND EQUIPMENT WITH WHICH TO PROPERLY REMOVE AND DISPOSE OF ALL WATER ENTERING THE EXCAVATION, OR OTHER PARTS OF THE WORK, AND KEEP SUCH EXCAVATIONS DRY UNTIL THE STRUCTURES TO BE BUILT THEREIN HAVE BEEN COMPLETED. ALL WATER PUMPED OR DRAINED FROM THE WORK HEREUNDER SHALL BE DISPOSED OF IN A SUITABLE MANNER WITHOUT DAMAGE TO THE ADJACENT DRAINS, OR WATER–COURSES ENCOUNTERED ON THE WORK, AND IN GUTTERS PROPERTY OR OTHER WORK UNDER CONSTRUCTION. THE FLOW OF ALL SEWERS, ALONG THE SIDES, OR ACROSS THE WORK, SHALL BE ADEQUATELY MAINTAINED BY THE CONTRACTOR AT HIS OWN EXPENSE, BOTH TEMPORARILY AND PERMANENTLY AS REQUIRED, EXCEPT AS SPECIFICALLY PROVIDED FOR OTHERWISE.

D. EXCAVATIONS FOR PIPING SHALL CONFORM TO LIMITS, DEPTHS AND MATERIALS SHOWN ON THE DRAWINGS AND TO GOVERNING CODES AND REGULATIONS.

E. SHEETING, SHORING, OR BRACING AT ANY OPEN TRENCH SHALL BE PROVIDED BY THE CONTRACTOR. CONTRACTOR SHALL SUBMIT DESIGN TO THE GENERAL CONTRACTOR SEALED BY A REGISTERED ENGINEER.

F. IN CUT AREAS LOCATED UNDER PAVEMENT AND FOUNDATIONS, CONTRACTOR SHALL SCARIFY EXISTING SOIL TO A MINIMUM DEPTH OF FOUR INCHES AND THEN RECOMPACT AS BACKFILL PER SECTION 5.04.

G. CONTRACTOR SHALL REMOVE EXISTING TOPSOIL FROM AREA TO RECEIVE PAVING AND FOUNDATION WORK UNLESS THESE AREAS ARE INDICATED TO RECEIVE MORE THAN THREE FEET OF FILL. IN NO CASE SHALL THE CONTRACTOR USE UNTREATED OR UNSTABILIZED TOPSOIL AS COMPACTED SUBGRADE MATERIAL UNDER PAVING OR FOUNDATION STRUCTURES. TOPSOIL SHALL BE STOCKPILED FOR RE–USE IN LANDSCAPE AREAS. APPROPRIATE SOIL CONSERVATION MEASURES SHALL BE TAKEN.

H. IF IN THE OPINION OF THE GENERAL CONTRACTOR, UNSATISFACTORY SOIL MATERIALS EXIST ON THE SITE, THE CONTRACTOR SHALL REMOVE SUCH MATERIALS AFTER WRITTEN APPROVAL FROM THE GENERAL CONTRACTOR. THE CONTRACTOR SHALL REPLACE THESE UNSATISFACTORY SOILS WITH STRUCTURAL FILL APPROVED BY THE ENGINEER.

I. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PREVENT AIR AND WATER POLLUTION THROUGH DUST AND DIRT CONTROL TO THE SATISFACTION OF THE LOCAL MUNICIPALITY OR THEIR ENGINEER IN THE FOLLOWING AREAS:

1. IN THE STREETS, SIDEWALKS, AND DRIVES WITHIN THE LIMITS OF THE CONTRACT.
2. ANY HAUL ROADS LEADING TO OR AWAY FROM THE PROJECT THAT ARE USED BY THE CONTRACTOR.
3. TAKE ALL NECESSARY STEPS TO PREVENT SOIL ERODING ONTO ALL PAVED AREAS AND INTO ALL NATURAL WATER–COURSES, DITCHES, AND THE PUBLIC SEWER SYSTEM AND NEIGHBORING LOTS.

5.04 BACKFILLING:

A. AREAS UNDER PAVING AND BUILDINGS SHALL BE ROLLED WITH A SHEEPS–FOOT ROLLER FOR SOILS CONTAINING CLAY OR SILT (I.E.: COHESIVE SOILS), AND WITH EITHER A 3–WHEEL 10–TON VIBRATORY ROLLER OR 7–TON TRACTOR FOR SAND AND GRAVEL SOILS (I.E.: COHESIONLESS SOILS). FILL WITH COHESIVE SOILS SHALL BE COMPACTED TO A DENSITY EQUAL TO 95% OF MODIFIED PROCTOR DENSITY AS DETERMINED BY ASTM D1557. FILL WITH COHESIONLESS SOILS SHALL BE COMPACTED TO A DENSITY EQUAL TO 65% OF RELATIVE DENSITY AS DETERMINED BY ASTM D2049 SEE ASPHALT PAVEMENT NOTES FOR ADDITIONAL REQUIREMENTS.

COHESIVE STRUCTURAL FILL SHALL BE COMPACTED TO 90% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY. GRANULAR STRUCTURAL FILL SHALL BE COMPACTED TO 90% OF THE SAME STANDARD, EXCEPT FOR FINE SAND, WHICH SHALL BE COMPACTED TO 95% OF THE MODIFIED PROCTOR DRY DENSITY.

THE GENERAL CONTRACTOR MAY EMPLOY AN INDE

STORM NOTES

PART 1 - GENERAL

1.01 DESCRIPTION OF WORK:

A. SEWER SYSTEM WORK INCLUDES, BUT IS NOT LIMITED TO, PIPE, FITTINGS, AND DRAINAGE STRUCTURES FOR STORM AND SANITARY SEWERS.

B. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION STAKING

C. THE LOCATION OF ALL EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE APPROXIMATE. DETERMINATION OF THE EXACT LOCATION OF EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY EACH REPRESENTATIVE UTILITY COMPANY PRIOR TO THE TIME OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING UTILITIES CAUSED BY HIS OPERATIONS. PROOF OF INSURANCE, CARRIER, LIMIT & DEDUCTIBLE REQUIRED.

D. THERE ARE EXISTING NUMEROUS UNDERGROUND CONDUITS IN THE AREA. THE CONTRACTOR MUST OBTAIN THE SERVICE OF THE UTILITY PROTECTION SERVICE PRIOR TO ANY EXCAVATION, DEMOLITION OR CONSTRUCTION. TWO (2) WORKING DAYS BEFORE YOU DIG, CALL OHIO UTILITIES PROTECTION SERVICE (OUPS) AT 1-800-362-2764. NON-MEMBERS MUST BE CALLED DIRECTLY.

E. ALL UTILITY COMPANIES, BOTH PUBLIC & PRIVATE, & THE LOCAL GOVERNING AGENCY SHALL BE NOTIFIED IN WRITING, AT LEAST SEVEN (7) WORKING DAYS PRIOR TO CONSTRUCTION.

F. IN AREAS WHERE THE NEW CONSTRUCTION MIGHT BE IN CONFLICT WITH EXISTING UTILITIES, EITHER IN ALIGNMENT OR GRADE, EXCAVATION SHALL CAREFULLY BE DONE, BY HAND IF NECESSARY, TO EXPOSE THE EXISTING CABLES OR CONDUITS. IF THERE IS A CONFLICT, NOTIFY OWNER'S ENGINEER PRIOR TO MAKING ANY ADJUSTMENTS.

G. REQUIRED PERMITS SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY WORK.

H. THE CONTRACTOR SHALL AT ALL TIMES DURING THE CONSTRUCTION OF THE WORK, AND AT ITS COMPLETION FOR FINAL INSPECTION, PROVIDE AND MAINTAIN AMPLE MEANS AND EQUIPMENT WITH WHICH TO PROPERLY REMOVE AND DISPOSE OF ALL WATER ENTERING THE EXCAVATION, OR OTHER PARTS OF THE WORK, AND KEEP SUCH EXCAVATIONS DRY UNTIL THE STRUCTURES TO BE BUILT THEREIN HAVE BEEN COMPLETED. ALL WATER PUMPED OR DRAINED FROM THE WORK HEREUNDER SHALL BE DISPOSED OF IN A SUITABLE MANNER WITHOUT DAMAGE TO ADJACENT PROPERTY OR OTHER WORK UNDER CONSTRUCTION, THE FLOW OF ALL SEWERS, DRAINS OR WATER-COURSES ENCOUNTERED ON THE WORK, AND IN GUTTERS ALONG THE SIDES OF OR ACROSS THE WORK, SHALL BE ADEQUATELY PROVIDED BY THE CONTRACTOR AT HIS OWN EXPENSE, BOTH TEMPORARILY AND PERMANENTLY AS REQUIRED, EXCEPT AS SPECIFICALLY PROVIDED FOR OTHERWISE.

I. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PREVENT AIR AND WATER POLLUTION THROUGH DUST AND DIRT CONTROL TO THE SATISFACTION OF THE TOWNSHIP AND COUNTY IN THE FOLLOWING AREAS:

1. IN THE STREET, SIDEWALKS AND DRIVES WITHIN THE LIMITS OF THE CONTRACT.
2. ANY HAUL ROADS LEADING TO OR AWAY FROM THE PROJECT THAT ARE USED BY THE CONTRACTOR.
3. TAKE ALL NECESSARY STEPS TO PREVENT SOIL ERODING ONTO ALL PAVED AREAS AND INTO ALL NATURAL WATER-COURSES, DITCHES AND THE PUBLIC SEWER SYSTEM.

J. WHERE ANY PAVEMENTS, DRIVEWAYS, PARKING AREAS, CURBS, GUTTERS, BERM STONE, SIDEWALKS, WATER LINES, GAS LINES, SEWERS, CATCH BASINS, DRAINS, FIELD TILE, CONDUIT PIPES, CABLES OR OTHER EXISTING FACILITIES ARE REMOVED OR OTHERWISE DISTURBED IN CARRYING OUT THIS CONTRACT, THEY SHALL BE REPLACED IN AS GOOD A CONDITION AS FOUND AT THE EXPENSE OF THE CONTRACTOR AND TO THE APPROVAL OF THE FACILITY'S OWNER OR THE COUNTY. AS APPLICABLE. ANY SUCH MATERIAL BROKEN OR DISTURBED TO SUCH AN EXTENT AS TO REQUIRE REPLACEMENT, SHALL BE REPLACED WITH NEW MATERIALS AT THE EXPENSE OF THE CONTRACTOR.

K. TRAFFIC SHALL BE MAINTAINED ON NAVARRE AVE. AT ALL TIMES. ALL TRAFFIC CONTROL DEVICES AND MAINTENANCE OF TRAFFIC METHODS SHALL BE IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD), LATEST EDITION IF NECESSITATED BY CONSTRUCTION. LANE CLOSURES MUST BY APPROVED BY THE TOWNSHIP AND/OT COUNTY A MINIMUM OF 7 DAYS IN ADVANCE.

PART 2 - MATERIALS

2.01 PIPE AND FITTINGS:

A. GENERAL:

1. PIPE SHALL MEET THE FOLLOWING SPECIFICATIONS AND AS PERMITTED BY THE LOCAL JURISDICTION.

1. FURNISH ELLS, TEES, WYES, COUPLINGS, END CAPS, AND OTHER FITTINGS OF THE SAME TYPE AND CLASS OF MATERIAL AS THE PIPE.

3. DRAINAGE STRUCTURES SUCH AS CATCH BASINS AND TRENCH DRAINS ARE SPECIFIED ON THE DRAWINGS.

B. POLYVINYL CHLORIDE PIPE: ASTM D3034. STANDARD DIMENSION RATION (SDR) SHALL NOT EXCEED 35. JOINTS SHALL BE BELL AND SPIGOT TYPE WITH NEOPRENE RUBBER GASKETS CONFORMING TO ASTM D3212.

C. CORRUGATED, SMOOTH INTERIOR HIGH DENSITY POLYETHYLENE (HDPE) PROFILE WALL PIPE: ASTM F2306; MATERIALS PER ASTM D3350 – 435400C; JOINTS SHALL BE INTEGRAL BELL AND GASKETED SPIGOT TYPE SOIL-TIGHT PER ASTM F477; FITTINGS PER ASTM F2306; COVER PER ASTM F2648 (AASHTO H-25 FOR MINIMUM); INSTALLATION PER ASTM D2321 AND MANUFACTURER'S RECOMMENDATIONS.

D. REINFORCED CONCRETE PIPE: ASTM C76, CLASS III. JOINTS SHALL BE MODIFIED TONGUE AND GROOVE TYPE WITH RUBBER GASKETS COMPLYING WITH ASTM

E. POLYETHYLENE PIPE (SERVICE CONNECTIONS ONLY):

1. PIPE: PE34544C, ASTM F714.
   A. CONTRACTOR SHALL DETERMINE PIPE DR BASED ON THE PROPOSED INSTALLATION, BUT IN NO CASE SHALL IT BE OTHER THAN THAT REQUIRED TO LIMIT TANGENTIAL SURFACE STRAIN TO 0.01, OR TO LIMIT MAXIMUM RING DEFLECTION TO 5 PERCENT, WHICHEVER YIELDS THE LOWER DR VALUE (THICKER-WALLED) PIPE.
2. JOINTS: BUTT FUSION BETWEEN PLAIN ENDS OF POLYETHYLENE PIPE; RESTRAINED MECHANICAL FOR TRANSITION BETWEEN PIPE, FITTINGS, ETC., OF DIFFERING MATERIALS AS APPROVED BY ENGINEER.
3. COUPLING: DESIGNED TO TRANSITION FROM IPS PIPE TO ASTM D3034 PIPE.
   A. MANUFACTURER: GPK PRODUCTS, FARGO, ND; 6 INCH – GPK G332-0006, 8 INCH – GPK G332-0008. OR AS APPROVED.

PART 3 - EXECUTION

3.01 PIPE PREPARATION AND HANDLING:

A. INSPECT ALL PIPE AND FITTINGS PRIOR TO LOWERING INTO TRENCH TO ENSURE NO CRACKED, BROKEN, OR OTHERWISE DEFECTIVE MATERIALS ARE BEING USED. CLEAN ENDS OF PIPE THOROUGHLY. REMOVE FOREIGN MATTER AND DIRT FROM INSIDE OF PIPE AND KEEP CLEAN DURING AND AFTER LAYING.

B. USE PROPER IMPLEMENTS, TOOLS, AND FACILITIES FOR THE SAFE AND PROPER PROTECTION OF THE WORK. LOWER PIPE INTO THE TRENCH IN SUCH A MANNER AS TO AVOID ANY PHYSICAL DAMAGE TO THE PIPE. REMOVE ALL DAMAGED PIPE FROM THE JOB SITE. DO NOT DROP OR DUMP PIPE INTO TRENCHES UNDER ANY CIRCUMSTANCES.

3.02 INSTALLATION OF PIPE AND FITTINGS:

A. INSTALL PIPE AND FITTINGS IN ACCORDANCE WITH GOVERNING AUTHORITIES HAVING JURISDICTION, EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE INDICATED IN THE CONTRACT DOCUMENTS.

B. START PIPE LAYING BY PROCEEDING UPGRADE WITH SPIGOT ENDS POINTING IN DIRECTION OF FLOW. LAY PIPES UNIFORMLY TO LINE AND GRADE SO THAT FINISHED SEWER WILL PRESENT A UNIFORM BORE. ALL CHANGES OF DIRECTIONS SHALL BE MADE BY USE OF PROPER FITTINGS OR MANHOLES. NO JOINT DEFLECTION ALLOWED. INSTALL ALL SEWERS AT UNIFORM GRADE BETWEEN MANHOLES AND OTHER DRAINAGE STRUCTURES UNLESS SHOWN OTHERWISE.

C. CHECK PIPE FOR ALIGNMENT AND GRADE AFTER JOINT HAS BEEN MADE. ENSURE PIPE BEDDING FORMS A CONTINUOUS AND UNIFORM SUPPORT FOR THE PIPE BARREL BETWEEN JOINTS. APPLY SUFFICIENT PRESSURE IN MAKING THE JOINT TO ASSURE THE JOINT IS SEATED AS DEFINED IN MANUFACTURER'S STANDARD INSTALLATION INSTRUCTIONS. PLACE SUFFICIENT PIPE COVER MATERIAL TO SECURE PIPE FROM MOVEMENT BEFORE NEXT JOINT IS INSTALLED TO ASSURE PROPER PIPE ALIGNMENT AND JOINT MAKEUP.

D. PREVENT EXCAVATED OR OTHER FOREIGN MATERIALS FROM GETTING INTO THE PIPE DURING THE LAYING OPERATION. CLOSE AND BLOCK THE OPEN END OF THE LAST LAID SECTION OF PIPE TO PREVENT ENTRY OF FOREIGN MATERIAL OR CREEP OF THE GASKETED JOINTS WHEN LAYING OPERATIONS ARE NOT IN PROGRESS. ALSO CLOSE OFF PIPES WHICH ARE STUBBED OFF FOR CATCH BASIN CONSTRUCTION OR OTHER DRAINAGE STRUCTURES.

E. EMPLOY SUCH MEANS AS WELL POINTING, DITCHING PUMPING OR BAILING TO PREVENT WATER FROM ENTERING THE TRENCH DURING THE LAYING OPERATION AND ALLOW FOR PROPER CONSTRUCTION OF THE BACKFILL IN PIPE ZONE. DO NOT LAY PIPE IN WATER.

F. CLEAR DIRT AND OTHER SUPERFLUOUS MATERIAL FROM THE INTERIOR OF SEWERS AS THE WORK PROGRESSES. MAINTAIN A SWAB OR DRAG IN THE LINE AND PULL FAST EACH JOINT AS IT IS COMPLETED.

G. BEDDING THE TRENCH SHALL BE EXCAVATED TO A DEPTH OF AT LEAST SIX (6) INCHES BELOW THE OUTSIDE BOTTOM OF THE PIPE BARREL (AND BELL) AND REPLACED WITH STONE TO FORM THE BEDDING FOR THE PIPE.

H. AFTER THE PIPE HAS BEEN LAID AND THE JOINT MADE, THE FULL LENGTH OF EACH PIPE SHALL BE THOROUGHLY BEDDED BY TAMPING FINE EXCAVATED MATERIAL UNDER, AROUND AND OVER THE PIPE FOR A DISTANCE OF SIX (6) INCHES ABOVE THE TOP OF THE PIPE BARREL. THE MATERIAL SHALL BE PLACED IN LAYERS NOT EXCEEDING SIX (6) INCHES IN THICKNESS, AND SECURELY COMPACTED BY HAND OR MECHANICAL TAMPING O SECURE GOOD COMPACTION WHILE TAKING CARE NOT TO DISPLACE OR DAMAGE THE PIPE OR JOINTS.

I. BACKFILL SHALL INCLUDE THE MATERIAL PLACED ABOVE THE TOP OF THE PIPE BARREL. TRENCHES COMING WITHIN 5 FT. OF EXISTING PAVEMENT OR STONED STREETS, ALLEYS, DRIVEWAYS AND PARKING AREAS OR WITHIN PROPOSED PAVEMENTS SHALL BE BACKFILLED WITH GRANULAR MATERIAL MEETING THE REQUIREMENTS OF O.D.O.T ITEM 204.03 AND 603.09 OR EQUIVALENT.

J. THE CONTRACTOR SHALL BE REQUIRED TO SEED ALL GRASS AREAS DISTURBED BY OPEN TRENCH CONSTRUCTION OR ANY OPERATIONS CONNECTED WITH WORK ON THE PROJECT.

K. BACKFILL FOR ALL CONDUITS AND STRUCTURES WITHIN FIVE FEET (5') OF EDGE OF PAVEMENT SHALL MEET O.D.O.T. SPEC. 603.08 MATERIAL WITH COMPACTION.

L. ALL PRECAST CONCRETE MANHOLES SHALL CONFORM TO ASTM SPECIFICATIONS C-478 WITH C-443 JOINTS AND BOOTS.

M. MANHOLE FRAME AND COVER SHALL BE SOLID AND WEIGH NO LESS THAN 475 LBS. AND SHALL PROVIDE 5" MIN. TO 12" MAX. OF ADJUSTING RING ON CONE SECTION.

N. ROOF DRAINS, FOUNDATION DRAINS, AND ALL OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.

1. ALL CONDUITS SHALL CONFORM TO SPEC 3034 SDR 35 (CELL CLASSIFICATION 12454-B) BEFORE ANY SANITARY SEWER CONSTRUCTED USING PVC PIPE IS ACCEPTED AND PLACED INTO SERVICE. IT SHALL BE TESTED FOR RING DEFLECTION, WHICH SHALL NOT EXCEED FIVE PERCENT (5%). THE COST OF ALL TESTING MATERIAL, EQUIPMENT AND LABOR, AND ALL INCIDENTALS NECESSARY FOR MAKING ANY REQUIRED CORRECTIONS OR REPLACEMENTS SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

SANITARY NOTES

A. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARDS OF THE OHIO DEPARTMENT OF TRANSPORTATION CURRENT ADDITION, SUBJECT TO ADDENDA BY THE LOCAL UTILITY AUTHORITY.

B. ALL PVC SANITARY SEWER CONDUIT SHALL BE ASTM D-3034, SDR-35, WITH CELL CLASSIFICATION 12454-B OR APPROVED EQUAL.

C. ALL SANITARY SEWER CONDUIT SHALL CONTAIN PREMIUM JOINTS PER ASTM D-3212.

D. ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.

E. GRANULAR MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF ODOT ITEM 603.

F. SEWER TESTING:

1. ALL RUNS OF THE SANITARY SEWER SHALL BE TESTED FOR EXFILTRATION OR INFILTRATION BY AN INDEPENDENT TESTING LABORATORY PER ASTM C969 (AIR TESTING ASTM F1417). IF ANY PART OF THE SYSTEM SHOWS EXCESSIVE INFILTRATION, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE TELEVISION INSPECTION AND TO MAKE ALL NECESSARY CORRECTIONS. THE COST OF ALL MATERIAL, EQUIPMENT, LABOR AND INCIDENTALS NECESSARY FOR PERFORMING THE TESTS AND MAKING ANY NECESSARY CORRECTIONS AND REPLACEMENTS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THE AIR TEST FOR THE TEST SECTION SHALL BE CONSIDERED ACCEPTABLE IF THE TIME ELAPSED FOR THE 1.0 PSI PRESSURE DROP IS EQUAL TO OR GREATER THAN THE TIME IN MINUTES INDICATED IN THE FOLLOWNG TABLE:

LENGTH OF MAIN TEST

	SPECIFIED MINIMUM LENGTH (L) SOWN (MIN:SEC)							
PIPE DIA.	100'	150'	200'	250	300'	350'	400'	450'
8"	7:34	7:34	7:34	7:34	7:36	8:52	10:08	11:24
10"	9:26	9:26	9:53	9:53	11:52	13:51	15:49	17:48
12"	11:20	11:20	11:24	14:15	17:05	19:56	22:47	25:38
15"	14:10	14:10	17:48	22:15	26:42	31:09	35:36	40:04
18"	17:00	19:13	25:38	32:03	28:27	44:52	51:16	57:41
21"	19:50	26:10	35:54	43:37	52:21	61:00	69:48	78:31

THE AIR TEST SHALL BE UNACCEPTABLE IF THE ELAPSED TIME IS LESS THAN THE STATED PERIOD.

2. ALL NEW MANHOLES SHALL BE VACUUM TESTED PER ASTM C-1244.

3. PVC PIPE SECTIONS BETWEEN MANHOLES SHALL BE TESTED FOR RING DEFLECTION, WHICH SHALL NOT EXCEED FIVE PERCENT (5%). TESTING SHALL BE DONE AT LEAST 30 DAYS AFTER PIPE IS INSTALLED.

4. SHOULD ANY SECTION OF THE CONDUIT FAIL TO MEET THE TEST REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE TELEVISION INSPECTION AND TO MAKE ALL NECESSARY CORRECTIONS. THE COST OF ALL MATERIALS, EQUIPMENT, LABOR, AND INCIDENTALS NECESSARY FOR PERFORMING THE TESTS AND MAKING ANY NECESSARY CORRECTIONS AND REPLACEMENTS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

G. THE LOCATION OF ALL EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE APPROXIMATE. DETERMINATION OF THE EXACT LOCATION OF EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY EACH REPRESENTATIVE UTILITY COMPANY PRIOR TO THE TIME OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING UTILITIES CAUSED BY HIS OPERATIONS. PROOF OF INSURANCE, CARRIER, LIMIT & DEDUCTIBLE REQUIRED.

H. THERE ARE EXISTING NUMEROUS UNDERGROUND CONDUITS IN THE AREA. THE CONTRACTOR MUST OBTAIN THE SERVICE OF THE UTILITY PROTECTION SERVICE PRIOR TO ANY EXCAVATION, DEMOLITION OR CONSTRUCTION. TWO (2) WORKING DAYS BEFORE YOU DIG, CALL OHIO UTILITIES PROTECTION SERVICE (OUPS) AT 1-800-362-2764. NON-MEMBERS MUST BE CALLED DIRECTLY.

I. ALL UTILITY COMPANIES, BOTH PUBLIC & PRIVATE, & THE LOCAL GOVERNING AGENCY SHALL BE NOTIFIED IN WRITING, AT LEAST SEVEN (7) WORKING DAYS PRIOR TO CONSTRUCTION.

J. IN AREAS WHERE THE NEW CONSTRUCTION MIGHT BE IN CONFLICT WITH EXISTING UTILITIES, EITHER IN ALIGNMENT OR GRADE, EXCAVATION SHALL CAREFULLY BE DONE, BY HAND IF NECESSARY, TO EXPOSE THE EXISTING CABLES OR CONDUITS. IF THERE IS A CONFLICT, NOTIFY OWNER'S ENGINEER PRIOR TO MAKING ANY ADJUSTMENTS.

K. REQUIRED PERMITS SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY WORK.

L. SAFETY REQUIREMENTS – THE CONTRACTOR SHALL AT ALL TIMES FOLLOW STATE AND LOCAL SAFETY REQUIREMENTS DURING CONSTRUCTION OF THIS PROJECT. SPECIAL CARE SHALL BE TAKEN DURING ALL TRENCHING OPERATIONS. SHEETING, BRACING, CRIBBING, ETC. SHALL BE INSTALLED AS REQUIRED TO PROVIDE MAXIMUM SAFETY TO THE WORKERS IN FULL COMPLIANCE WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.

M. THE CONTRACTOR SHALL AT ALL TIMES DURING THE CONSTRUCTION OF THE WORK, AND AT ITS COMPLETION FOR FINAL INSPECTION, PROVIDE AND MAINTAIN AMPLE MEANS AND EQUIPMENT WITH WHICH TO PROPERLY REMOVE AND DISPOSE OF ALL WATER ENTERING THE EXCAVATION, OR OTHER PARTS OF THE WORK, AND KEEP SUCH EXCAVATIONS DRY UNTIL THE STRUCTURES TO BE BUILT THEREIN HAVE BEEN COMPLETED. ALL WATER PUMPED OR DRAINED FROM THE WORK HEREUNDER SHALL BE DISPOSED OF IN A SUITABLE MANNER WITHOUT DAMAGE TO ADJACENT PROPERTY OR OTHER WORK UNDER CONSTRUCTION, THE FLOW OF ALL SEWERS, DRAINS OR WATER-COURSES ENCOUNTERED ON THE WORK, AND IN GUTTERS ALONG THE SIDES OF OR ACROSS THE WORK, SHALL BE ADEQUATELY PROVIDED BY THE CONTRACTOR AT HIS OWN EXPENSE, BOTH TEMPORARILY AND PERMANENTLY AS REQUIRED, EXCEPT AS SPECIFICALLY PROVIDED FOR OTHERWISE.

N. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PREVENT AIR AND WATER POLLUTION THROUGH DUST AND DIRT CONTROL TO THE SATISFACTION OF THE TOWNSHIP AND/OR COUNTY IN THE FOLLOWNG AREAS:
   A. IN THE STREET AND DRIVES WITHIN THE LIMITS OF THE CONTRACT.
   B. ANY HAUL ROADS LEADING TO OR AWAY FROM THE PROJECT THAT ARE USED BY THE CONTRACTOR
   C. TAKE ALL NECESSARY STEPS TO PREVENT SOIL ERODING ONTO ALL PAVED AREAS AND INTO ALL NATURAL WATER-COURSES, DITCHES AND THE PUBLIC SEWER SYSTEM.

O. WHERE ANY PAVEMENTS, DRIVEWAYS, PARKING AREAS, CURBS, GUTTERS, BERM STONE, SIDEWALKS, WATER LINES, GAS LINES, SEWERS, CATCH BASINS, DRAINS, FIELD TILE, CONDUIT PIPES, CABLES OR OTHER EXISTING FACILITIES ARE REMOVED OR OTHERWISE DISTURBED IN CARRYING OUT THIS CONTRACT, THEY SHALL BE REPLACED IN AS GOOD A CONDITION AS FOUND AT THE EXPENSE OF THE CONTRACTOR AND TO THE APPROVAL OF THE FACILITY'S OWNER, THE TOWNSHIP AND COUNTY. AS APPLICABLE. ANY SUCH MATERIAL BROKEN OR DISTURBED TO SUCH AN EXTENT AS TO REQUIRE REPLACEMENT, SHALL BE REPLACED WITH NEW MATERIALS AT THE EXPENSE OF THE CONTRACTOR.

P. PRIOR TO FINAL ACCEPTANCE OF THE PROJECT BY THE OWNER, ALL STORM SEWERS SHALL BE THOROUGH CLEANED AND FLUSHED WITH WATER. ALL NEW INLETS AND MANHOLES CONSTRUCTED AS PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT SHALL BE ACCEPTED BY THE OWNER.

MANHOLE FRAME AND COVERS:

ALL MANHOLE FRAME AND COVERS SHALL BE GRAY IRON CASTINGS CONFORMING TO ASTM A48, HEAVY DUTY SOLID COVER. BOTH THE UNDERSIDE OF THE LID AND THE UPPER SURFACE OF THE LEDGE UPON WHICH THE LID REST SHALL BE MACHINED SO AS TO PREVENT THE ROCKING OF THE LID ON ITS SUPPORTING SURFACE. CASTINGS SHALL BE CLEANED AND DIPPED IN COLD TAR PITCH VARNISH AT THE FACTORY.

MANHOLE FRAMES AND COVERS SHALL WEIGH NOT LESS THAN 375 POUNDS. THE FRAMES SHALL HAVE A CLEAR OPENING OF NO LESS THAN 24-INCHES IN DIAMETER AND A HEIGHT OF 7-INCHES. COVERS SHALL HAVE STRENGTHENING RIBS ON THE UNDERSIDE AND SHALL HAVE THE WORDS "SANITARY SEWER" CAST INTO THE TOP,

AFTER INSTALLATION, THE TOPS OF THE FRAMES AND COVERS SHALL BE PAINTED WITH ONE COAT OF ASPHALTUM PAINT.

FRAME AND COVER INSTALLATION:

THE MANHOLE FRAMES SHALL BE FIRMLY SET ON TOP OF THE ADJUSTING RING WITH A FULL LEVELING BED OF 1:1 CEMENT MORTAR. WHERE MANHOLES ARE LOCATED IN PAVED AREAS, THE SURFACE OF THE COVER SHALL BE MADE FLUSH WITH THE PAVEMENT SURFACE. IN UNPAVED STREETS AND ALLEYS AREAS, THE COVER SHALL BE SET NOT TO EXCEED 1-INCH ABOVE THE GROUND SURFACE. ON RIGHT-OF-WAY AND IN DITCHES, COVER ELEVATIONS SHALL BE AS APPROVED BY THE TOWNSHIP AND/OR COUNTY OR THEIR ENGINEER.

AFTER THE FRAME IS INSTALLED IN ITS FINAL POSITION, A MINIMUM 48-INCH DIAMETER STEEL CASTING RING SHALL BE PLACED, CENTERED AROUND THE FRAME, AND THE SPACE BETWEEN THE FRAME AND RING SHALL BE FILLED WITH CLASS I CONCRETE. THE STEEL CASING RING SHALL HAVE A HEIGHT SUCH THAT IT SHALL REST ON THE ECCENTRIC CANE SECTION AND EXTEND TO THE MID-POINT OF THE FRAME.

GENERAL WATER NOTES:

SPECIFICATIONS FOR MATERIALS:

1. THE SPECIFICATIONS OF THE AMERICAN NATIONAL STANDARDS INSTITUTE (AMERICAN WATER WORKS ASSOCIATION) AND THE AMERICAN SOCIETY FOR TESTING AND MATERIALS HEREIN REFERRED TO, UNLESS OTHERWISE NOTED, SHALL BE THE LATEST SPECIFICATIONS OF THE RESPECTIVE ORGANIZATIONS AND MANUFACTURED IN THE UNITED STATES.

2. PIPE SHALL BE ANSI-A21.51 (AWWA C151) DUCTILE CAST IRON WITH A MINIMUM WALL THICKNESS MEETING THE REQUIREMENTS OF ANSI A21.51, TABLE 51.4 (THICKNESS CLASS 52 FOR 4 INCH THROUGH 12 INCH) AND WRAPPED PER PRESSURE PIPE AND FITTTINGS SPECIFICATION NUMBER 3. ALL PIPE SHALL BE WRAPPED IN 8 MM POLYWRAP.

3. FITTINGS SHALL BE GRAY OR DUCTILE CAST IRON CONFORMING TO ANSI-A21.4 (AWWA C110) WITH A MINIMUM CLASS OF 250 OR ANSI-A21.53 (AWWA C153) AND HAVE MECHANICAL JOINT ENDS AS SPECIFIED IN ANSI-A21.11 (AWWA C111) RESTRAINT TYPE.

4. ALL PIPE AND FITTINGS SHALL HAVE A CEMENT MORTAR LINING, CONFORMING TO ANSI-A21.4 (AWWA C104) AND PETROLEUM-ASPHALTIC OUTSIDE COATING.

5. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE LAID WITH A POLYETHYLENE ENCASEMENT. PIPE AND POLYETHYLENE ENCASEMENT SHALL BE INSTALLED IN ACCORDANCE WITH ANSI-A21.5 (AWWA C105).

6. ALL VALVES SHALL BE OPEN LEFT VALVES.

7. HYDRANTS SHALL BE LIMITED TO AMERICAN DARLING, KENNEDY OR MUELLER, MEETING AWWA SPECIFICATION C502 AND MEETING THE LOCAL FIRE DEPARTMENT SPECIFICATIONS AND STANDARDS. ALL HYDRANTS SHALL HAVE A HARRINGTON STORTZ STYLE 5" STEAMER CONNECTION ADAPTER. INSTALLATION AND PRESSURE TESTING SHALL BE AS PER AWWA C-600. DISINFECTION SHALL MEET OR EXCEED AWWA-C651.

8. NO DEVIATIONS FROM THE ABOVE SPECIFICATIONS WILL BE PERMITTED. DETAILED SPECIFICATIONS CAN BE OBTAINED FROM THE WATER DEPARTMENT.

   NOTE: THE OHIO ENVIRONMENTAL PROTECTION AGENCY REQUIRES A CONFORMANCE TO THE 2003 EDITION OF "TEN STATES STANDARDS". THIS STANDARD SHALL BE EQUALED OR EXCEEDED FOR WATER LINES. SPECIAL ATTENTION SHALL BE GIVEN TO THE FOLLOWING SECTIONS OF PART 8:
   MATERIALS CONFORM TO AWWA STANDARDS
   MINIMUM 6" DIA. FIRE PROTECTION
   MINIMUM 5' GROUND COVER
   PRESSURE TESTING AWWA C-600 OR N.F.P.A. 24 *
   DISINFECTION AWWA C-651 *
   10' HORIZONTAL SEPARATION WATER MAIN/SEWER
   18" VERTICAL SEPARATION WATER MAIN/SEWER
   NO ENTRY AND/OR CONTACT WITH SEWER MANHOLE

   ANY DEVIATION FROM THE ABOVE WILL NOT BE PERMITTED UNLESS SPECIFICALLY INCLUDED IN THE GENERAL NOTES OR OTHERWISE SHOWN ON THESE PLANS

   *NOTE: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM THIS TEST PROPERLY AND THE RESPONSIBILITY FOR ADEQUATE SUPERVISION AND APPROVAL RESTS WITH THE APPROPRIATE GOVERNMENTAL AGENCY.

9. ALL PIPES, FITTINGS, ETC. SHALL BE APPROPRIATELY MARKED FOR PURPOSES OF IDENTIFICATION.

10. THE MANUFACTURER SHALL FURNISH AN AFFIDAVIT INDICATING THAT THE PIPE FITTINGS AND APPURTENANCES HAVE BEEN MANUFACTURED AND TESTED IN ACCORDANCE WITH ALL REQUIREMENTS OF THE APPLICABLE REFERENCED STANDARDS. A COPY OF THE AFFIDAVIT, INDICATING THE PROJECT ON WHICH THE MATERIAL IS TO BE USED, SHALL BE FORWARDED TO THE OWNER OR THEIR ENGINEER.

11. REINFORCED CONCRETE ANCHORS AND SUPPORTS (THRUST BLOCKS) SHALL BE PROVIDED AT ALL FITTINGS, VALVES OR CHANGES IN DIRECTION OF THE PIPE. THEY SHALL BE CONSTRUCTED OF CLASS 1 CONCRETE AND SHALL BE PLACED AGAINST FIRM UNDISTURBED SOIL. ALL PLUGS OR CAPS SHALL BE SECURELY STRAPPED OR BLOCKED.

12. ALL PIPE INTERIORS SHALL BE CLEANED BEFORE LAYING AND SHALL BE CLEAN THEREAFTER. AFTER A MAIN HAS BEEN COMPLETED IT SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA C651-86, "DISINFECTING WATER MAINS", USING THE TABLET OR CONTINUOUS FEED METHOD.

13. TRENCHES WITHIN FIVE (5) FEET OF THE EDGE OF OR UNDER EXISTING OR PROPOSED PAVEMENT SHALL BE BACKFILLED WITH APPROVED GRANULAR MATERIAL TO SUBGRADE. GRANULAR MATERIAL SHALL MEET THE GRADING REQUIREMENTS OF ITEM 304, O.D.O.T. SPECIFICATION. PIPE OUTSIDE THE LIMITS OF FIVE (5) FEET FROM THE EDGE OF THE EXISTING OR PROPOSED PAVEMENT SHALL BE BACKFILLED WITH SUITABLE EXCAVATED MATERIAL.

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STATE: OHIO

No.	REVISION	CHK'D BY DATE	DRAWN BY	CHECKED BY	TOPO/UTILITY	PROJECT NO.
			MPF	TMB	MPF	30131

ST. MARYS TOWNSHIP ~ AUGLAIZE COUNTY ~ OHIO

GRAND LAKE ST. MARYS STATE PARK

PT. NE. 1/4 & SE. 1/4 OF SEC. 6, T6S, R4E

PROPOSED SITE IMPROVEMENTS

APPLICATION NO.

DATE 09/19/2025

SCALE N/A

SHEET 3 OF 10

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DEMOLITION NOTES:

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. THE FOLLOWING DOCUMENTS ARE INCLUDED IN THIS BID SET::
   1. (NOT APPLICABLE FOR THIS PROJECT)

1.02 SUMMARY

A. SITE DEMOLITION WORK SHALL INCLUDE THE FOLLOWING:
   1. UNLESS PROVIDED BY THE OWNER THE CONTRACTOR SHALL CONDUCT INSPECTIONS OF THE SITE AND BUILDING(S) FOR HAZARDOUS MATERIALS AS REQUIRED BY STATE, LOCAL AND FEDERAL LAWS AND CODES. CONTRACTOR SHALL OBTAIN ALL PERMITS AS NECESSARY FOR REMOVAL AND DISPOSAL OF HAZARDOUS MATERIALS. HAZARDOUS MATERIALS SHALL BE REMOVED AND DISPOSED OF PER FEDERAL, STATE AND LOCAL REQUIREMENTS.
   2. EROSION CONTROL INSTALLATION AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS.
   3. MAINTENANCE OF VEHICULAR AND PEDESTRIAN TRAFFIC PER CITY, COUNTY AND STATE REGULATIONS.
   4. PERIMETER CONSTRUCTION FENCE (6' HIGH CHAIN LINK MINIMUM OR AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS) INSTALLATION AND MAINTENANCE. CONTRACTOR SHALL PROVIDE THE OWNER WITH A KEY TO THE SITE.
   5. DEMOLITION, REMOVAL AND BACKFILLING TO GRADE OF ALL (EXCEPT AS NOTED ON THE PLANS) EXISTING IMPROVEMENTS WITHIN THE DEMOLITION AREA
   6. PAY ALL FEES ASSOCIATED WITH THE DEMOLITION PERMIT, PAY ALL COSTS TO UTILITY COMPANIES RELATING TO CAPPING AND REMOVING SERVICE. PROVIDE ALL REQUIRED DOCUMENTATION FOR PERMITS AND UTILITY KILLS.
   7. BACKFILL WITH COMPACTED ENGINEERED MATERIAL (ODOT 304 OR APPROVED EQUAL) TO FILL IN LOW AREAS CREATED BY DEMOLITION AND SITE IS GRADED TO DRAIN
B. CAREFUL REMOVAL FOR SALVAGE AND RE-USE, CRATING, PROTECTION AND STORE HISTORIC BUILDING ELEMENTS UNTIL READY FOR RE-INSTALLATION
C. PROCEDURES AND MEANS OF WORK SHOWN HEREON ARE MINIMUM STANDARDS, CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS REGARDING DEMOLITION, DISPOSAL ALONG WITH SAFETY FOR WORKERS AND THE PUBLIC.

1.03 DEFINITIONS

A. REMOVE: DETACH ITEMS FROM EXISTING CONSTRUCTION AND LEGALLY DISPOSE OF THEM OFF-SITE UNLESS INDICATED TO BE REMOVED AND SALVAGED OR RECYCLED.
B. REMOVE AND SALVAGE: DETACH ITEMS FROM EXISTING CONSTRUCTION AND DELIVER THEM TO OWNER.
C. EXISTING TO REMAIN: EXISTING ITEMS OF CONSTRUCTION THAT ARE NOT TO BE REMOVED AND THAT ARE NOT OTHERWISE INDICATED TO BE REMOVED, REMOVED AND SALVAGED, OR RECYCLED.

1.04 MATERIAL OWNERSHIP

A. HISTORIC ITEMS, RELICS, AND SIMILAR OBJECTS INCLUDING, BUT NOT LIMITED TO, CORNERSTONES AND THEIR CONTENTS, COMMEMORATIVE PLAQUES AND TABLETS, AND OTHER ITEMS OF INTEREST OR VALUE TO OWNER THAT MAY BE ENCOUNTERED DURING BUILDING DEMOLITION REMAIN OWNER'S PROPERTY. CAREFULLY REMOVE AND SALVAGE EACH ITEM OR OBJECT IN A MANNER TO PREVENT DAMAGE AND DELIVER PROMPTLY TO OWNER. WHEN IN DOUBT CHECK WITH OWNER BEFORE PROCEEDING WITH REMOVAL.

1.05 SUBMITTALS

A. QUALIFICATION DATA: FOR DEMOLITION FIRM.
B. PROPOSED DUST-CONTROL AND NOISE-CONTROL MEASURES: SUBMIT STATEMENT OR DRAWING THAT INDICATES THE MEASURES PROPOSED FOR USE, PROPOSED LOCATIONS, AND PROPOSED TIME FRAME FOR THEIR OPERATION. IDENTIFY OPTIONS IF PROPOSED MEASURES ARE LATER DETERMINED TO BE INADEQUATE.
C. SCHEDULE OF BUILDING DEMOLITION ACTIVITIES: INDICATE THE FOLLOWING:
   1. DETAILED SEQUENCE OF DEMOLITION AND REMOVAL WORK, WITH STARTING AND ENDING DATES FOR EACH ACTIVITY.
   2. INTERRUPTION OF UTILITY SERVICES.
   3. COORDINATION FOR SHUTOFF, CAPPING, AND CONTINUATION OF UTILITY SERVICES.
   4. LOCATIONS OF TEMPORARY PROTECTION.
D. INVENTORY: AFTER BUILDING DEMOLITION IS COMPLETE, SUBMIT A LIST OF ITEMS THAT HAVE BEEN REMOVED AND SALVAGED. PROVIDE DRAWING INDICATING WHERE ITEMS ARE STOCKPILED AND IDENTIFICATION OF EACH CRATE.
   1. SALVAGE FOR OWNER'S USE: NOT APPLICABLE
A. PREDEMOLITON PHOTOGRAPHS: CAREFULLY SHOW EXTERIOR, EXISTING CONDITIONS FROM DIFFERENT VANTAGE POINTS OF ADJOINING SITE IMPROVEMENTS INCLUDING THOSE ACROSS THE STREETS, INCLUDING FINISH SURFACES THAT MIGHT BE MISCONSTRUED AS DAMAGE CAUSED BY BUILDING DEMOLITION OPERATIONS.

1.06 QUALITY ASSURANCE

A. DEMOLITION FIRM QUALIFICATIONS: AN EXPERIENCED FIRM THAT HAS SPECIALIZED IN DEMOLITION WORK SIMILAR IN MATERIAL AND EXTENT TO THAT INDICATED FOR THIS PROJECT.
B. REGULATORY REQUIREMENTS: COMPLY WITH COVERING EPA NOTIFICATION REGULATIONS BEFORE BEGINNING DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION. COMPLY WITH INDUSTRY SAFETY ORDERS OF THE STATE OF OHIO AND OF OSHA.
C. STANDARDS: COMPLY WITH ANSI A10.6 AND NFPA 241 AND ALL FEDERAL, STATE AND LOCAL REGULATUIONS
D. UTILITIES: COMPLY WITH REGULATIONS BY LOCAL UTILITIES FOR SHUT-OFF, CAPPING AND REMOVAL OF SERVICE LINES.
E. PREDEMOLITION CONFERENCE: DEMOLITION CONTRACTOR TO CONDUCT CONFERENCE AT PROJECT SITE WITH OWNER, ARCHITECT AND ENGINEER BEFORE PROCEEDING.
   1. INSPECT AND DISCUSS CONDITION OF CONSTRUCTION TO BE DEMOLISHED.
   2. REVIEW TRAFFIC PATTERNS AND CONTROLS.
   3. REVIEW AND FINALIZE BUILDING DEMOLITION SCHEDULE AND VERIFY AVAILABILITY OF DEMOLITION PERSONNEL, EQUIPMENT, AND FACILITIES NEEDED TO MAKE PROGRESS AND AVOID DELAYS.
   4. REVIEW AND FINALIZE PROTECTION REQUIREMENTS.
   5. REVIEW PROCEDURE AND SCHEDULES FOR UTILITY REMOVALS.
   6. REVIEW SALVAGE PROCEDURES, PACKAGING, TRANSPORTING AND STORAGE SPACES.

1.07 PROJECT CONDITIONS

A. OWNER ASSUMES NO RESPONSIBILITY FOR BUILDINGS TO BE DEMOLISHED.
   1. CONDITIONS EXISTING AT TIME OF INSPECTION FOR BIDDING PURPOSE WILL BE MAINTAINED BY OWNER AS FAR AS PRACTICAL.
B. BEFORE BUILDING DEMOLITION, THE OWNER OR OTHER CONTRACTOR WILL REMOVE ITEMS LISTED BELOW:
   1. NOT APPLICABLE
C. HAZARDOUS MATERIALS:
   1. CONTRACTOR TO DETERMINE HAZARDOUS MATERIALS ON SITE AND THE PROPER DEMOLITION PRACTICES REQUIRED TO HANDLE AND DISPOSE OF THE MATERIALS.
   2. CONTRACTOR TO DETERMINE EXISTING LEAD PAINT LEVEL WITHIN PROPOSED DEMOLITION SITE AND AN APPROPRIATE LEVEL OF LEAD AWARENESS TRAINING PER OSHA REGULATIONS. DEMOLITION CONTRACTOR SHALL TAKE APPROPRIATE MEASURES REGARDING THIS BIOLOGICAL HAZARD.
D. STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON-SITE IS NOT PERMITTED.
E. CONTRACTOR SHALL NOTIFY ENGINEER AND OWNER A MINIMUM OF 2 WEEKS PRIOR TO COMMENCING WORK OF REQUIRED OUTSIDE OF THE DEMOLITION LIMITS THAT NEED TO BE FENCED OFF FOR SAFETY OF THE DEMOLITION WORK. CONTRACTOR SHALL FENCE AREA OFF AS NECESSARY AND REMOVE FENCE WHEN AREA IS NO LONGER NEEDED.

PART 2 - PRODUCTS

2.01 SOIL MATERIALS

A. GENERAL: PROVIDE BORROW SOIL MATERIALS WHEN SUFFICIENT SATISFACTORY SOIL MATERIALS ARE NOT AVAILABLE FROM EXCAVATIONS.
B. SATISFACTORY SOILS: FILL TO CONSIST OF ANY NON-ORGANIC OR NON-EXPANSIVE SOILS. SOILS FREE OF ORGANIC MATTER, EXCESSIVE MOISTURE, CONTAMINATION AND ROCK OR STONE FRAGMENTS WITH TOP SIZE OF 3" MAY BE UTILIZED IN THE FILL.
C. UNSATISFACTORY SOILS: SOIL CLASSIFICATION GROUPS GC, SC, CL, ML, OL, CH, MH, OH, AND PT ACCORDING TO ASTM D 2487, OR A COMBINATION OF THESE GROUPS.
   1. UNSATISFACTORY SOILS ALSO INCLUDE SATISFACTORY SOILS NOT MAINTAINED WITHIN 2 PERCENT OF OPTIMUM MOISTURE CONTENT AT TIME OF COMPACTION.
D. ENGINEERED FILL: FILL SHALL BE IMPORTED BORROW OR QUARRY PROCESSED AGGREGATE, ODOT 304 LIMESTONE SCREENINGS OR BANK RUN GRAVEL WITH SIMILAR (304) GRADATION. CRUSHED CONCRETE SHALL NOT BE USED.
   1. ALL BACKFILL TO BE STRUCTURAL (TO MINUS ONE FOOT OF PROPOSED GRADES) TO ALLOW FOR FUTURE BUILDABLE SITE. TOP ONE FOOT TO CONSIST OF NINE INCHES OF CLEAN SOIL AND THREE INCHES OF TOPSOIL.

PART 3 - EXECUTION

3.01 EXAMINATION

A. SURVEY EXISTING CONDITIONS AND CORRELATE WITH REQUIREMENTS INDICATED TO DETERMINE EXTENT OF BUILDING DEMOLITION REQUIRED. STUDY METHOD FOR SAFE REMOVAL OF SALVAGE ITEMS AS REQUIRED.
B. REVIEW PROJECT DOCUMENTS OF EXISTING CONSTRUCTION. OWNER DOES NOT GUARANTEE THAT EXISTING CONDITIONS ARE THE SAME AS THOSE INDICATED IN PROJECT DOCUMENTS.
C. THE CONTRACTOR SHALL PERFORM AN ENGINEERING SURVEY OF CONDITION OF BUILDING TO DETERMINE WHETHER REMOVING ANY ELEMENT MIGHT RESULT IN STRUCTURAL DEFICIENCY OR UNPLANNED COLLAPSE OF ANY PORTION OF STRUCTURE DURING BUILDING DEMOLITION OPERATIONS.
D. VERIFY THAT HAZARDOUS MATERIALS HANDLING AND REQUIRED DEMOLITION PROCEDURES BEFORE PROCEEDING WITH BUILDING DEMOLITION OPERATIONS.
E. INVENTORY AND RECORD THE CONDITION OF ITEMS TO BE REMOVED AND SALVAGED. ITEMS NOT LISTED HEREIN AND REQUIRED BY OWNER TO BE SALVAGED SHALL BE TAGGED BY OWNER PRIOR TO DEMOLITION.

3.02 PREPARATION

A. EXISTING UTILITIES: LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF INDICATED UTILITIES SERVING BUILDINGS AND STRUCTURES TO BE DEMOLISHED.
   1. ARRANGE TO SHUT OFF INDICATED UTILITIES WITH UTILITY COMPANIES AND FOLLOW ALL COMPANY OR AGENCY REQUIREMENTS.
   2. IF UTILITY SERVICES ARE REQUIRED TO BE REMOVED, RELOCATED, OR ABANDONED, BEFORE PROCEEDING WITH BUILDING DEMOLITION PROVIDE TEMPORARY UTILITIES THAT BYPASS BUILDINGS AND STRUCTURES TO BE DEMOLISHED AND THAT MAINTAIN CONTINUITY OF SERVICES TO OTHER BUILDINGS AND STRUCTURES.
   3. ALL UNDERGROUND UTILITIES SHALL BE COMPLETELY REMOVED. ALL WIRE REMOVED FROM CONDUIT.
   4. DO NOT START DEMOLITION WORK UNTIL UTILITY DISCONNECTING AND SEALING HAVE BEEN COMPLETED AND VERIFIED IN WRITING.

B. TEMPORARY SHORING: PROVIDE AND MAINTAIN INTERIOR AND EXTERIOR SHORING, BRACING, OR STRUCTURAL SUPPORT TO PRESERVE STABILITY AND PREVENT UNEXPECTED MOVEMENT OR COLLAPSE OF BUILDING BEING DEMOLISHED.
   1. STRENGTHEN OR ADD NEW SUPPORTS WHEN REQUIRED DURING PROGRESS OF DEMOLITION.

C. PEST CONTROL: BEFORE DEMOLITION WORK IS STARTED, RETAIN A LOCAL EXTERMINATOR OR PEST-CONTROL COMPANY TO RECOMMEND PRACTICES TO MINIMIZE ATTRACTION AND HARBORING OF RODENTS, ROACHES, AND OTHER PESTS AND THEIR RESIDUES. ENGAGE THIS PEST-CONTROL SERVICE TO PERFORM EXTERMINATION AND CONTROL PROCEDURES BEFORE START UP AND AS NEEDED DURING DEMOLITION SO PROJECT WILL BE FREE OF PESTS AND THEIR RESIDUES TO DEMOLITION COMPLETION. PERFORM CONTROL OPERATIONS LAWFULLY, USING ENVIRONMENTALLY SAFE MATERIALS.

D. SITE ENCLOSURE FENCE: THE DEMOLITION CONTRACTOR SHALL INSTALL A 6' TEMPORARY ENCLOSURE FENCE WITH APPROPRIATELY SIZED, LOCKABLE, ACCESS GATES. THE TEMPORARY FENCE TO BE ERECTED AROUND LIMITS OF DEMOLITION, OR AS REQUIRED. PROVIDE SIGNAGE AS NEEDED INDICATING SIDEWALK IS CLOSED AND DIRECTING PEDESTRIANS TO OPPOSITE SIDEWALK. DEMOLITION CONTRACTOR SHALL INSPECT AND MAINTAIN TEMPORARY FENCING WHILE UNDER CONTRACT WITH THE OWNER.
   1. MAINTAIN SECURITY BY LIMITING NUMBER OF KEYS AND RESTRICTING DISTRIBUTION TO AUTHORIZED PERSONNEL. PROVIDE THE OWNER WITH ONE SET OF KEYS FOR THE CONTRACTOR'S PADLOCKS.

E. STORMWATER CONTROL: PROVIDE PROPERLY INSTALLED SILT FENCING BARRIERS IN AND AROUND EXCAVATIONS AND SUBGRADE DEMOLITION, SUFFICIENT TO PREVENT RUNOFF OF DEBRIS IN STORMWATER FROM HEAVY RAINS. INSTALL NEXT TO BUT SEPARATE FROM PERIMETER FENCING.

3.03 PROTECTION

A. EXISTING FACILITIES: PROTECT ADJACENT STREETS, WALKWAYS, FENCES AND OTHER BUILDING FACILITIES DURING DEMOLITION OPERATIONS.

B. EXISTING UTILITIES: MAINTAIN UTILITY SERVICES INDICATED TO REMAIN AND PROTECT THEM AGAINST DAMAGE DURING DEMOLITION OPERATIONS.
   1. DO NOT INTERRUPT EXISTING UTILITIES SERVING ADJACENT PROPERTIES UNLESS AUTHORIZED IN WRITING BY OWNER AND AUTHORITIES HAVING JURISDICTION. PROTECT EXISTING STORM, SANITARY AND WATER AND UTILITY LINES, INCLUDING MANHOLE STRUCTURES AND VALVES AND STRUCTURES WITHIN THE ADJACENT RIGHT-OF-WAY, ALLEY AND/OR EASEMENTS AS APPLICABLE DURING DEMOLITION OPERATIONS. IMMEDIATELY REPAIR ANY DAMAGE TO THESE EXISTING UTILITIES THAT ARE TO REMAIN DURING DEMOLITION OPERATIONS.
   2. COMPLY WITH OEPA AND LOCAL JURISDICTION REQUIREMENTS FOR EROSION AND SEDIMENT CONTROL FOR ALL EXISTING STORM CATCH BASINS THAT REMAIN LOCATED ON OR ADJACENT TO SITE THAT MAY BE AFFECTED BY DEMOLITION OPERATIONS. MAINTAIN CONTROLS DURING ALL DEMOLITION OPERATIONS.
   3. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO OWNER AND TO AUTHORITIES HAVING JURISDICTION.

C. TEMPORARY PROTECTION: ERECT TEMPORARY PROTECTION, SUCH AS WALKS, FENCES, RAILINGS, WHERE REQUIRED BY AUTHORITIES HAVING JURISDICTION OR IF INDICATED.
   1. PROTECT EXISTING SITE IMPROVEMENTS, APPURTENANCES, AND LANDSCAPING TO REMAIN.
   2. ERECT A PLAINLY VISIBLE FENCE AROUND DRIP LINE OF INDIVIDUAL TREES OR AROUND PERIMETER DRIP LINE OF GROUPS OF TREES TO REMAIN.
   3. PROVIDE TEMPORARY BARRICADES AND OTHER PROTECTION REQUIRED TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN.
   4. PROVIDE PROTECTION TO ENSURE SAFE PASSAGE OF PEDESTRIANS AND VEHICLES AROUND DEMOLITION AREA.

3.04 DEMOLITION, GENERAL

A. GENERAL: DEMOLISH INDICATED BUILDING AND SITE IMPROVEMENTS COMPLETELY. USE METHODS REQUIRED TO COMPLETE THE WORK WITHIN LIMITATIONS OF GOVERNING REGULATIONS AND AS FOLLOWS:
   1. DO NOT USE CUTTING TORCHES UNTIL WORK AREA IS CLEARED OF FLAMMABLE MATERIALS. MAINTAIN PORTABLE FIRE-SUPPRESSION DEVICES DURING FLAME-CUTTING OPERATIONS.
   2. MAINTAIN ADEQUATE VENTILATION WHEN USING CUTTING TORCHES.
   3. LOCATE BUILDING DEMOLITION EQUIPMENT AND REMOVE DEBRIS AND MATERIALS SO AS NOT TO IMPOSE EXCESSIVE LOADS ON SUPPORTING WALLS, FLOORS, OR FRAMING.

B. ENGINEERING SURVEYS: PERFORM SURVEYS AS THE WORK PROGRESSES TO DETECT HAZARDS THAT MAY RESULT FROM BUILDING DEMOLITION ACTIVITIES.

C. SITE ACCESS AND TEMPORARY CONTROLS: CONDUCT BUILDING DEMOLITION AND DEBRIS-REMOVAL OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, WALKWAYS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
   1. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, WALKWAYS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION. NOTIFY LOCAL JURISDICTION, IN WRITING, WITH ADVANCE NOTICE AS REQUIRED BY THE LOCAL AUTHORITY OF REQUIRED LANE CLOSURES AND 2 WEEKS IN ADVANCE OF REQUIRED STREET CLOSURES. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS IF REQUIRED BY AUTHORITIES HAVING JURISDICTION.
   2. USE WATER MIST AND OTHER SUITABLE METHODS TO LIMIT SPREAD OF DUST AND DIRT DURING BOTH THE DEMOLITION OPERATIONS AND THE BACKFILL AND GRADING OPERATIONS. COMPLY WITH GOVERNING ENVIROMENTAL-PROTECTION REGULATIONS. DO NOT USE WATER WHEN IT MAY DAMAGE ADJACENT CONSTRUCTION OR CREATE HAZARDOUS OR OBJECTIONABLE CONDITIONS, SUCH AS ICE, FLOODING, AND POLLUTION. CONTRACTOR TO MAKE ARRAIGNMENTS WITH LOCAL WATER UTILITY OWNER FOR USE OF WATER HYDRANT, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH HYDRANT WATER USE.
   3. IF WATER MIST OR OTHER DUST CONTROL MEASURES FAIL TO KEEP DUST CONTAINED DUE TO WIND AND WIND GUSTS, CEASE DUST PRODUCING DEMOLITION OPERATIONS UNTIL FAVORABLE WIND CONDITIONS ARE EXPECTED.
   4. KEEP ADJACENT STREETS FREE OF MUD, DIRT AND DEBRIS
   5. PROTECT PAVEMENTS CURBS AND WALKS FROM DAMAGE BY TRUCKS AND DEMOLITION EQUIPMENT/ACTIVITY.

3.05 MECHANICAL DEMOLITION

A. PROCEED WITH DEMOLITION OF STRUCTURAL FRAMING MEMBERS SYSTEMATICALLY, FROM HIGHER TO LOWER LEVEL. COMPLETE BUILDING DEMOLITION OPERATIONS ABOVE EACH FLOOR OR TIER BEFORE DISTURBING SUPPORTING MEMBERS ON THE NEXT LOWER LEVEL.

B. REMOVE DEBRIS FROM ELEVATED PORTIONS BY CHUTE, HOIST, OR OTHER DEVICE THAT WILL CONVEY DEBRIS TO GRADE LEVEL IN A CONTROLLED DESCENT.

C. CONCRETE: CUT CONCRETE FULL DEPTH AT JUNCTURES WITH CONSTRUCTION INDICATED TO REMAIN, USING POWER-DRIVEN SAW, THEN REMOVE CONCRETE BETWEEN SAW CUTS.

D. MASONRY: CUT MASONRY AT JUNCTURES WITH CONSTRUCTION INDICATED TO REMAIN, USING POWER-DRIVEN SAW, THEN REMOVE MASONRY BETWEEN SAW CUTS.

E. CONCRETE SLABS-ON-GRADE: IF PORTION IS INDICATED TO REMAIN, SAW-CUT PERIMETER OF AREA TO BE DEMOLISHED AT JUNCTURES WITH CONSTRUCTION INDICATED TO REMAIN, THEN BREAK UP AND REMOVE.

F. DEMOLITION OF BELOW-GRADE STRUCTURES:
   1. COMPLETELY REMOVE ALL BELOW GRADE STRUCTURES, FOOTINGS, FOUNDATIONS AND UTILITIES
   2. BACKFILL AND COMPACT AREAS TO PROPOSED GRADE.
G. SIDEWALKS AND PAVING
   1. REMOVE SIDEWALKS AND STONE BASE TO EARTH SUBGRADE.
   2. REMOVE CONCRETE AND ASPHALT PAVING AND STONE BASE TO EARTH SUBGRADE.

H. FENCES, BARRIERS AND MISCELLANEOUS SITE ITEMS: COMPLETELY REMOVE INCLUDING CONCRETE OR STONE FOUNDATIONS.

I. PLANT MATERIAL: DEMOLISH AND REMOVE PLANT MATERIAL DESIGNATED TO BE REMOVED INCLUDING ROOT BALLS AND ROOT STRUCTURE TO A DEPTH 3" BELOW PROPOSED GRADES.

3.06 STORAGE OF MATERIALS

A. STOCKPILE BORROW SOIL MATERIALS AND EXCAVATED SATISFACTORY SOIL MATERIALS WITHOUT INTERMIXING. PLACE, GRADE, AND SHAPE STOCKPILES TO DRAIN SURFACE WATER. COVER TO PREVENT WINDBLOWN DUST.

3.07 SITE RESTORATION

A. BELOW-GRADE AREAS: COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM BUILDING, SITE, AND UTILITY DEMOLITION OPERATIONS WITH ENGINEERED BACKFILL. PLACE FILL IN LIFTS 6" TO 8" THICK, LOOSE MEASURE, COMPACTING EACH LAYER. COMPACTION SHALL BE TESTED BY AN INDEPENDENT QUALIFIED SOILS ENGINEER EMPLOYED BY THE OWNER. LIFTS SHALL BE ADEQUATELY KEYED INTO STRIPPED AND SCARIFIED SUBGRADE SOILS.
   1. SHALL BE NOT LESS THAN 95% OF MAXIMUM DRY DENSITY AS ESTABLISHED BY ASTM D 1557.
B. BACKFILL WITH ENGINEERED FILL.

C. RECONSTRUCT SUBGRADES DAMAGED BY FREEZING TEMPERATURES, FROST, RAIN, ACCUMULATED WATER, OR DEMOLITION ACTIVITIES, AS DIRECTED BY ENGINEER OR ARCHITECT, WITHOUT ADDITIONAL COMPENSATION

D. SITE GRADING: UNIFORMLY ROUGH GRADE AREA OF DEMOLISHED CONSTRUCTION TO A SMOOTH SURFACE, FREE FROM IRREGULAR SURFACE CHANGES. PROVIDE A SMOOTH TRANSITION BETWEEN ADJACENT EXISTING GRADES AND NEW GRADES.

3.08 SOIL BACKFILL

A. PLOW, SCARIFY, BENCH, OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SO FILL MATERIAL WILL BOND WITH EXISTING MATERIAL.

B. PLACE AND COMPACT FILL MATERIAL IN LAYERS TO REQUIRED ELEVATIONS AS FOLLOWS:
   1. USE ENGINEERED FILL MATERIAL AND COMPACT IN LIFTS.

3.09 SOIL MOISTURE CONTROL

A. UNIFORMLY MOISTEN OR AERATE SUBGRADE AND EACH SUBSEQUENT FILL OR BACKFILL SOIL LAYER BEFORE COMPACTION TO WITHIN 3 PERCENT OF OPTIMUM MOISTURE CONTENT.
   1. DO NOT PLACE BACKFILL OR FILL SOIL MATERIAL ON SURFACES THAT ARE MUDDY, FROZEN, OR CONTAIN FROST OR ICE.
   2. REMOVE AND REPLACE, OR SCARIFY AND AIR DRY, OTHERWISE SATISFACTORY SOIL MATERIAL THAT EXCEEDS OPTIMUM MOISTURE CONTENT BY 3 PERCENT AND IS TOO WET TO COMPACT TO SPECIFIED DRY UNIT WEIGHT.

3.10 REPAIRS

A. GENERAL: PROMPTLY REPAIR DAMAGE TO ADJACENT PROPERTIES CAUSED BY BUILDING DEMOLITION OPERATIONS.

B. WHERE REPAIRS TO EXISTING SURFACES ARE REQUIRED, PATCH TO PRODUCE SURFACES SUITABLE FOR NEW MATERIALS.

C. RESTORE EXPOSED FINISHES OF PATCHES AREAS AND EXTEND RESTORATION INTO ADJOINING PROPERTIES IN A MANNER THAT ELIMINATES EVIDENCE OF PATCHING AND REFINISHING.

3.11 DISPOSAL OF DEMOLISHED MATERIALS

A. GENERAL: EXCEPT FOR ITEMS OR MATERIALS INDICATED TO BE RECYCLED, REUSED, SALVAGED, REINSTALLED, OR OTHERWISE INDICATED TO REMAIN OWNER'S PROPERTY, REMOVE DEMOLISHED MATERIALS FROM PROJECT SITE AND LEGALLY DISPOSE OF THEM IN AN EPA AND OWNER APPROVED LANDFILL.
   1. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE.
   2. REMOVE AND TRANSPORT DEBRIS IN A MATTER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
   3. REVENUES AND OTHER INCENTIVES RECEIVED FOR BUILDING DEMOLITION MATERIALS OR PRODUCTS REMOVED FROM BUILDING SHALL ACCRUE TO CONTRACTOR.

B. BURNING: DO NOT BURN DEMOLISHED MATERIALS

C. DISPOSAL: TRANSPORT DEMOLISHED MATERIALS OFF OWNER'S PROPERTY AND LEGALLY DISPOSE OF THEM.

3.12 SALVAGED HISTORIC ITEMS

A. REMOVED AND SALVAGED ITEMS, IF REQUIRED: COMPLY WITH THE FOLLOWING:
   1. CLEAN SALVAGED ITEMS OF DIRT AND DEMOLITION DEBRIS, REMOVE MORTAR.
   2. PACK OR CRATE SMALL ITEMS AFTER CLEANING. IDENTIFY CONTENTS OF CONTAINERS.
   3. PROTECT ITEMS FROM DAMAGE DURING TRANSPORT AND STORAGE.
   4. PROTECT PIECES FROM RUBBING TOGETHER BY PLACING FOAM PLASTIC BETWEEN PIECES AND STRAP TO SECURE TO PREVENT MOVEMENT. COVER ITEMS TO PROTECT FROM WATER AND ICE DAMAGE. THEY SHALL BE DELIVERED TO THE OWNER'S DESIGNATED STORAGE AREA.
   5. CRATES SHALL BE CONSTRUCTED OF WHITE PINE, POPLAR OR YELLOW PINE WOOD AND PLYWOOD WHICH DO NOT CONTAIN EXCESSIVE AMOUNTS OF RESIN. FOAM PLASTIC SHALL BE NON-STAINING TYPE.

3.13 CLEANING

A. AFTER COMPLETION OF DEMOLITION THE CONTRACTOR SHALL CLEAN ADJACENT STORM STRUCTURES, PAVEMENT AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY BUILDING DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE BUILDING DEMOLITION OPERATIONS BEGAN.

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PROFESSIONAL ENGINEER
P.E. #61007
STATE: OHIO

DRAWN BY	CHECKED BY	TOPO/UTILITY	PROJECT NO.
MPF	TMB	MPF	30131

CHK'D BY / DATE

No.	REVISION

ST. MARYS TOWNSHIP ~ AUGLAIZE COUNTY ~ OHIO

GRAND LAKE ST. MARYS STATE PARK

PT. NE. 1/4 & SE. 1/4 OF SEC. 6, T6S, R4E

PROPOSED SITE IMPROVEMENTS

APPLICATION NO.

DATE 09/19/2025

SCALE N/A

SHEET **4 OF 10**

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LEGEND

- ELECTRIC — E —
- ELECTRIC REMOVAL — (E) —
- GAS — G —
- SANITARY — S —
- STORM — > —
- WATER — W —
- WATER REMOVAL — (W) —
- FENCE — X —
- OVERHEAD TELEPHONE — OHT —
- OVERHEAD ELECTRIC — OHE —
- OVERHEAD CABLE & ELECTRIC — OHC&E —
- CATCH BASIN
- CURB INLET
- MANHOLE
- YARD BASIN
- HYDRANT
- VALVE
- POWER POLE
- GUY WIRE
- YARD LIGHT
- POWER POLE/YARD LIGHT
- BOLLARD
- CLEANOUT
- FLOOD LIGHT
- MAILBOX
- METER
- ID SIGN
- SIGN
- TELEPHONE PEDESTAL
- UTILITY TAP
- TREE – CONIFEROUS
- TREE – DECIDUOUS
- END OF UTILITY MARKOUT

REMOVE BUILDING, INCLUDING FOUNDATION, WALLS AND FLOOR SLABS

REMOVE CONCRETE WALK/ PAVEMENT

REMOVE ASPHALT PAVEMENT

GRAPHIC SCALE

20 0 10 20

(IN FEET)
1 inch = 20 ft.

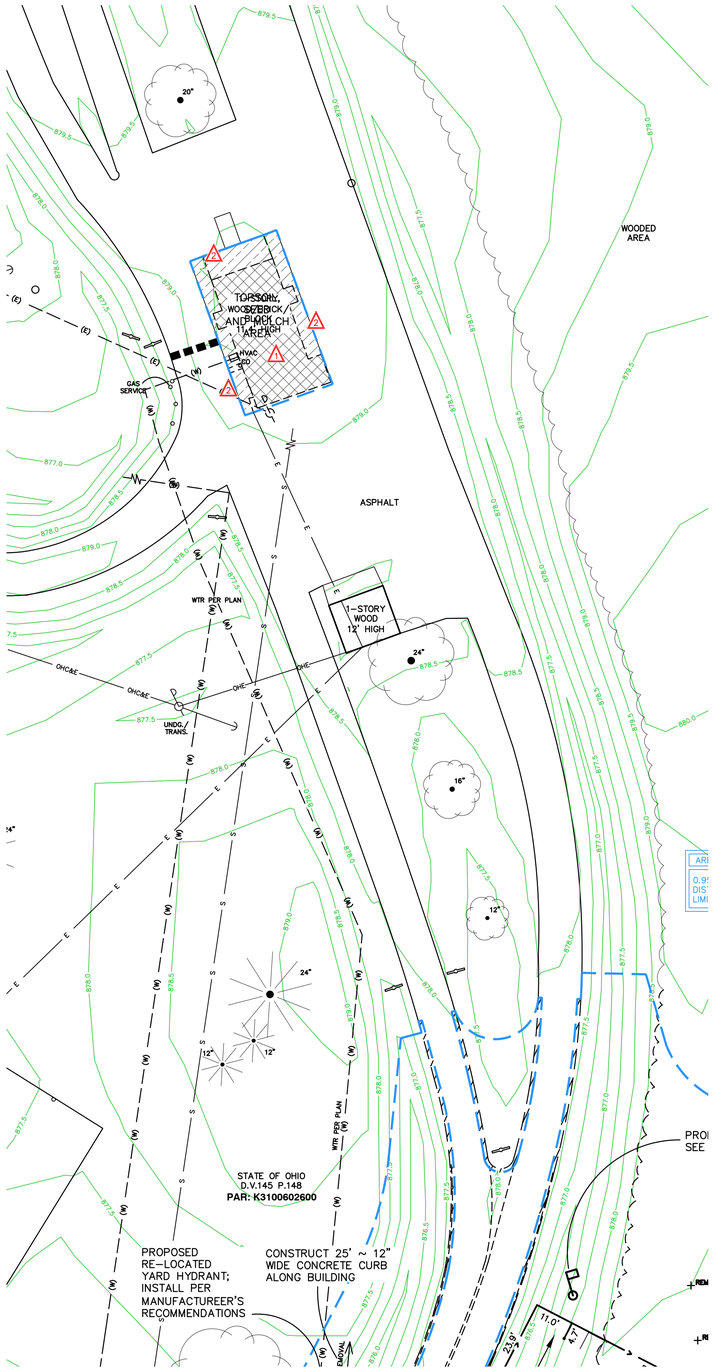
REMOVAL NOTES

1. REMOVE EXISTING BUILDING AND FOUNDATION; KILL ALL UTILITY CONNECTIONS AT MAIN LINE
2. REMOVE EXISTING CONCRETE WALK/PAD

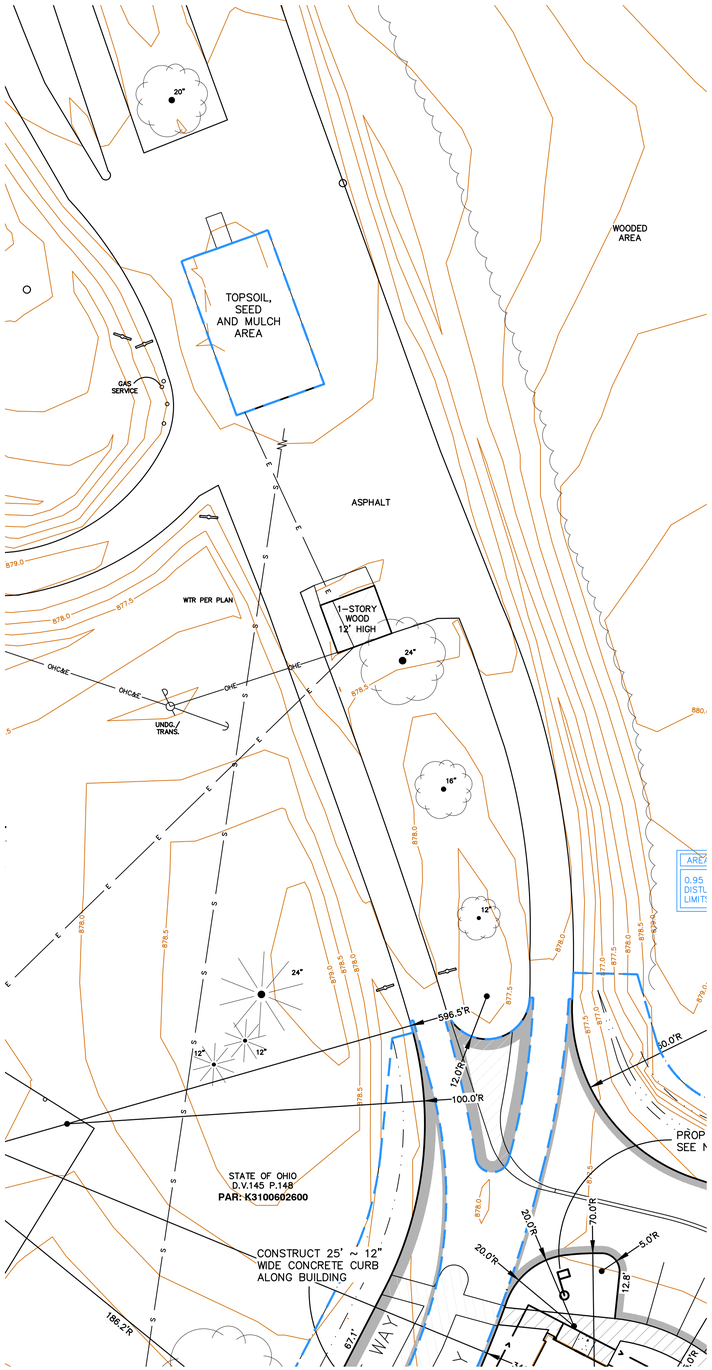
NOTE: ALL REMOVALS SHALL BE DISPOSED OF PROPERLY. BACKFILL UNDER OR WITHIN 5' OF PAVEMENT AND/OR SIDEWALK SHALL BE PREMIUM BACKFILL. BACKFILL UNDER OR WITHIN 5' OF PROPOSED STRUCTURE SHALL BE AS DIRECTED BY THE ARCHITECT. ALL OTHER AREAS SHALL BE BACKFILLED WITH CLEAN SUITABLE MATERIAL.

BENCH MARK

BM
CROSS CUT IN SANITARY MANHOLE #1, NORTH SIDE OF EXECUTIVE PARKWAY, 25'± EAST OF SOUTHWEST PROPERTY CORNER
ELEVATION 621.66 NAVD88
I.E.FB.51674



EXISTING AND DEMOLITION



PROPOSED

REMOVAL NOTES

NOTE: ALL REMOVALS SHALL BE DISPOSED OF PROPERLY. BACKFILL UNDER OR WITHIN 5' OF PROPOSED PAVEMENT AND/OR SIDEWALK SHALL BE COMPACTED PREMIUM BACKFILL, MAXIMUM 6" LIFTS. BACKFILL UNDER OR WITHIN 5' OF PROPOSED STRUCTURE SHALL BE AS DIRECTED BY THE ARCHITECT. ALL OTHER AREAS SHALL BE BACKFILLED WITH CLEAN SUITABLE MATERIAL.

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PROFESSIONAL ENGINEER
STATE OF OHIO TROY M BARMAN E-41005 REGISTERED PROFESSIONAL ENGINEER
STATE: OHIO
P.E. #61607

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PT. NE. 1/4 & SE. 1/4 OF SEC. 6, T6S, R4E
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SCALE 1" = 20'

SHEET 5 OF 10

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LEGEND

- ELECTRIC — E —
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- METER
- ID SIGN
- SIGN
- TELEPHONE PEDESTAL
- UTILITY TAP
- TREE – CONIFEROUS
- TREE – DECIDUOUS
- END OF UTILITY MARKOUT

REMOVE BUILDING, INCLUDING FOUNDATION, WALLS AND FLOOR SLABS

REMOVE CONCRETE WALK/ PAVEMENT

REMOVE ASPHALT PAVEMENT

NOTICE

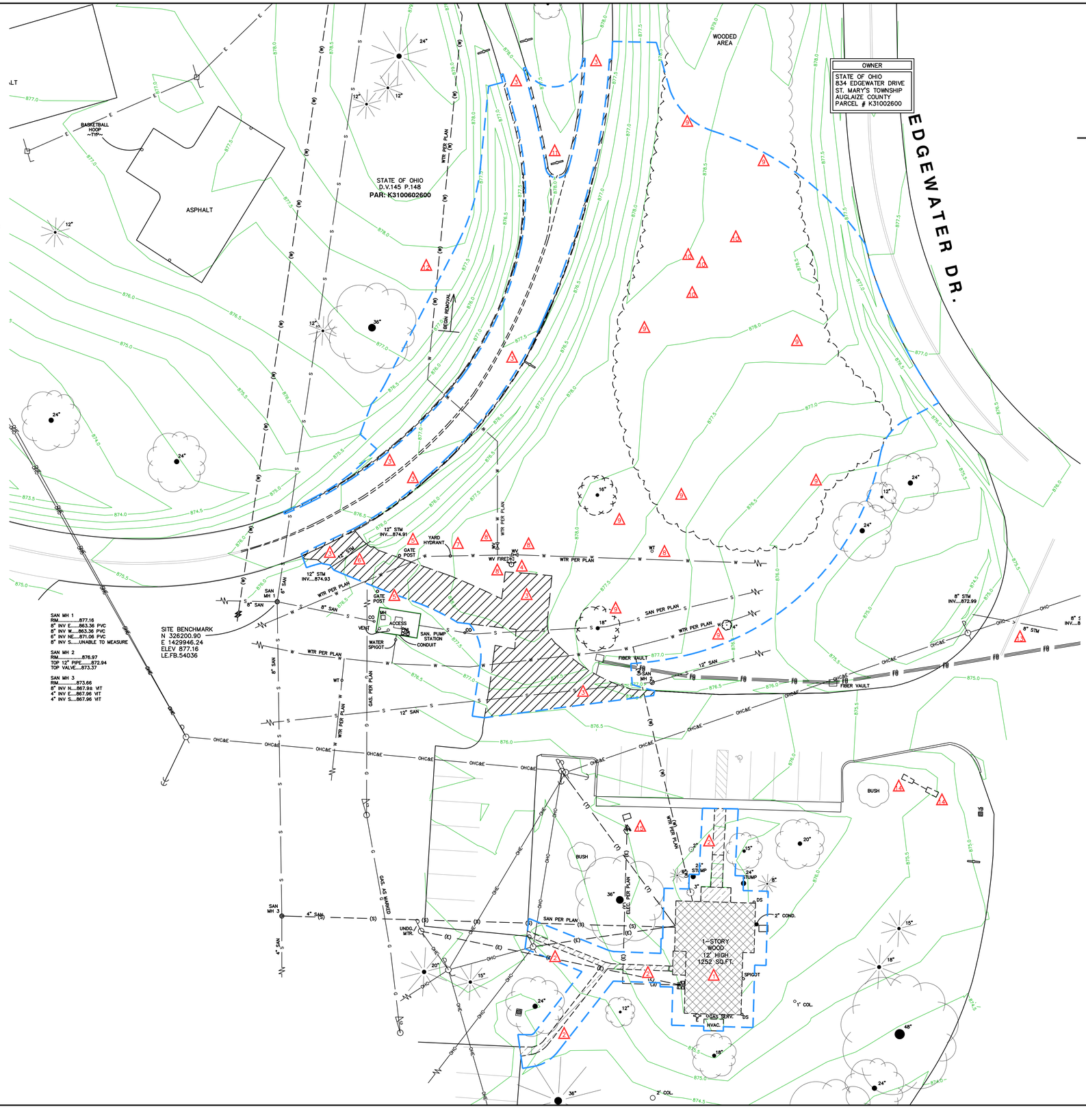
TREES MARKED WITH PINK TAPE WITH DIAMETERS GREATER THAN 3", EXFOLIATING BARKS, CRACKS, AND CREVICES HAVE BEEN IDENTIFIED AS POTENTIAL ROOSTING TREES FOR BAT SPECIES. TO MINIMIZE IMPACT AND SATISFY THE ENDANGERED SPECIES ACT, IDENTIFIED TREES ARE TO BE CUT THROUGH OCTOBER 1ST THROUGH MARCH 31ST.

TREE COORDINATES ARE AS FOLLOWS:
40.546159, –84.437443
40.546022, –84.437335
40.546000, –84.437405
40.545992, –84.437383
40.545958, –84.437397

BENCH MARK

BM#1
CROSS CUT ON SOUTH RIM OF MANHOLE
ELEVATION 877.16 NAVD88
N 326200.90 E 1429946.24
LE FB 54036

GRAPHIC SCALE
20 0 10 20
(IN FEET)
1 inch = 20 ft.



REMOVAL NOTES

1. REMOVE EXISTING BUILDING AND FOUNDATION; KILL ALL UTILITY CONNECTIONS AT MAIN LINE
2. REMOVE EXISTING CONCRETE WALK/PAD
3. REMOVE EXISTING ASPHALT PAVEMENT, SAW CUT ALL EDGES
4. REMOVE EXISTING HYDRANT
5. REMOVE EXISTING POST/BOLLARD
6. REMOVE EXISTING STORM CONDUIT/CULVERT
7. REMOVE AND RE-INSTALL EXISTING YARD HYDRANT; PLUG WATER LINE AT MAIN; REMOVE AND PROVIDE SIGN TO OWNER
8. ADJUST STRUCTURE/MANHOLE/VALVE BOX TO GRADE
9. ODNR TO REMOVE EXISTING TREES AHEAD OF PROJECT; CONTRACTOR TO REMOVE STUMPS AND BRUSH, TO A DEPTH OF 2' BELOW GRADE; CLEAR AND GRUB AREA
10. ODNR TO REMOVE IDENTIFIED TREES TO BE BETWEEN OCTOBER 1ST AND MARCH 31ST REFER TO NOTICE; CONTRACTOR TO REMOVE STUMPS AND BRUSH, TO A DEPTH OF 2' BELOW GRADE; CLEAR AND GRUB AREA
11. REMOVE SIGN
12. REMOVE WATER LINE
13. REMOVE AND REPLACE EXISTING 8": STORM SEWER WITH TWO (2) 12" STORM SEWER; SAW CUT PAVEMENT FOR REMOVAL AND REPLACE WITH ASPHALT PAVEMENT PER TYPICAL SECTION
14. REMOVE SIGN AND FOUNDATION
15. REMOVE FLAG POLE AND LIGHT; IF DIRECTED BY OWNER CONTRACTOR SHALL REMOVE FLAG POLE FOR RE-INSTALLATION AND PROVIDE TO OWNER, OTHERWISE CONTRACTOR SHALL REMOVE AND DISPOSE OF FLAG POLE; CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING DIRECTION FROM OWNER PRIOR TO FLAG POLE REMOVAL.; LIGHT TO BE REMOVED AND DISPOSED OF

NOTE: ALL REMOVALS SHALL BE DISPOSED OF PROPERLY. BACKFILL UNDER OR WITHIN 5' OF PAVEMENT AND/OR SIDEWALK SHALL BE PREMIUM BACKFILL. BACKFILL UNDER OR WITHIN 5' OF PROPOSED STRUCTURE SHALL BE AS DIRECTED BY THE ARCHITECT. ALL OTHER AREAS SHALL BE BACKFILLED WITH CLEAN SUITABLE MATERIAL.

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PROFESSIONAL ENGINEER
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P.E. #61607
STATE: OHIO

DRAWN BY	CHECKED BY	TOPO/UTILITY	PROJECT NO.
MPF	TMB	MPF	30131

CHK'D BY
DATE

No.	REVISION

ST. MARYS TOWNSHIP ~ AUGLAIZE COUNTY ~ OHIO

GRAND LAKE ST. MARYS STATE PARK

PT. NE. 1/4 & SE. 1/4 OF SEC. 6, T6S, R4E
PROPOSED SITE IMPROVEMENTS

APPLICATION NO.

DATE 09/19/2025

SCALE 1" = 20'

SHEET **6 OF 10**

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LEGEND

- ELECTRIC — E —
- ELECTRIC REMOVAL — (E) —
- GAS — G —
- SANITARY — S —
- STORM — > —
- WATER — W —
- WATER REMOVAL — (W) —
- FENCE — X —
- OVERHEAD TELEPHONE — OHT —
- OVERHEAD ELECTRIC — OHE —
- OVERHEAD CABLE & ELECTRIC — OHC&E —
- CATCH BASIN
- CURB INLET
- MANHOLE
- YARD BASIN
- HYDRANT
- VALVE
- POWER POLE
- GUY WIRE
- YARD LIGHT
- POWER POLE/YARD LIGHT
- BOLLARD
- CLEANOUT
- FLOOD LIGHT
- MAILBOX
- METER
- ID SIGN
- SIGN
- TELEPHONE PEDESTAL
- UTILITY TAP
- TREE – CONIFEROUS
- TREE – DECIDUOUS
- END OF UTILITY MARKOUT

- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE SIDEWALK/APPROACH

GRAPHIC SCALE
20 0 10 20
(IN FEET)
1 inch = 20 ft.

BENCH MARK

BM#1:
CROSS CUT ON SOUTH RIM OF MANHOLE
ELEVATION 877.16 NAVD88
N 326200.90 E 1429946.24
LE FB 54036

NOTICE

CONTRACTOR SHALL SUPPLY AND INSTALL, PER MANUFACTURER'S RECOMMENDATIONS, 25' TALL FLAG POLE (MINIMUM 5"ø x 0.156") WITH INTERNAL NYLON HALYARD, LOCKABLE CAST HAYLARD WINCH ACCESS DOOR, FLASH COLLAR AND SOLAR DOWNLIGHT (MINIMUM 3600 LUMENS AND 800 mAH BATTERY). COLOR TO BE WHITE POWDERCOAT OR AS DIRECTED BY OWNER.

CONTRACTOR TO HOLD A SITE MEETING WITH OWNER/ARCHTECT TO DETERMINE FINAL LOCATION OF FLAG POLE PRIOR TO INSTALLATION.

OWNER
STATE OF OHIO
834 EDGEWATER DRIVE
ST. MARY'S TOWNSHIP
AUGLAIZE COUNTY
PARCEL # K31002600

EDGEWATER DR.

WTR PER PLAN
1-STORY WOOD 12' HIGH
UNDG./ TRANS.
WOODED AREA
STATE OF OHIO D.V.145 P.148 PAR: K3100602600
ASPHALT
BASKETBALL HOOP ~TYP~
PROPOSED FLAG POLE; SEE NOTICE THIS SHEET
PROPOSED RE-LOCATED YARD HYDRANT; INSTALL PER MANUFACTURER'S RECOMMENDATIONS
CONSTRUCT 25' ~ 12" WIDE CONCRETE CURB ALONG BUILDING
PROP. 84'~6" PVC @ 1%
N 326278.83
E 1430038.47*
N 326301.22
E 1430131.49*
* APPROXIMATE BUILDING COORDINATES; CONTRACTOR TO VERIFY COORDINATES WITH ARCHITECTURAL DIMENSIONED BUILDING PLANS AND NOTIFY ARCHITECT IF DISCREPANCIES ARE FOUND
PROP FIN FLOOR 878.00
PROP CONC
ALL PROPOSED STORM TO BE 8" PVC TYPE B
REMOVE AND REPLACE EXISTING 8" STORM WITH TWO (2) 12" PVC TYPE B
PROP 8" TAPPING SLEEVE AND VALVE WITH VALVE BOX 5'~8" DIP HYDRANT 5'~8" DIP 2" TAPPING SLEEVE AND VALVE WITH VALVE BOX 3'~8" DIP 8" CAP
PROP GAS
SITE BENCHMARK
N 326200.90
E 1429946.24
ELEV 877.16
LE.FB.54036
SAN MH 1
RIM.....877.16
8" INV E.....863.36 PVC
8" INV W.....863.36 PVC
6" INV NE.....871.06 PVC
8" INV S.....UNABLE TO MEASURE
SAN MH 2
RIM.....876.97
TOP 12" PIPE.....872.94
TOP VALVE.....873.37
SAN MH 3
RIM.....873.66
8" INV N.....867.98 VT
4" INV E.....867.96 VT
4" INV S.....867.96 VT
BUSH

verdantas

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PROFESSIONAL ENGINEER — STATE OF OHIO — TROY M BARMAN E-41007 REGISTERED PROFESSIONAL ENGINEER — STATE: OHIO — P.E. #61607

No.	REVISION	CHK'D BY DATE	DRAWN BY	CHECKED BY	TOPO/UTILITY	PROJECT NO.
			MPF	TMB	MPF	30131

ST. MARYS TOWNSHIP ~ AUGLAIZE COUNTY ~ OHIO

GRAND LAKE ST. MARYS STATE PARK

PT. NE. 1/4 & SE. 1/4 OF SEC. 6, T6S, R4E

PROPOSED SITE IMPROVEMENTS

APPLICATION NO.

DATE 09/19/2025

SCALE 1" = 20'

SHEET 7 OF 10

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LEGEND

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- CATCH BASIN
- CURB INLET
- MANHOLE
- YARD BASIN
- HYDRANT
- VALVE
- POWER POLE
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- YARD LIGHT
- POWER POLE/YARD LIGHT
- BOLLARD
- CLEANOUT
- FLOOD LIGHT
- MAILBOX
- METER
- ID SIGN
- SIGN
- TELEPHONE PEDESTAL
- UTILITY TAP
- TREE – CONIFEROUS
- TREE – DECIDUOUS
- END OF UTILITY MARKOUT

PROPOSED ASPHALT PAVEMENT

PROPOSED CONCRETE SIDEWALK/APPROACH

GRAPHIC SCALE

20 0 10 20

(IN FEET)
1 inch = 20 ft.

BENCH MARK

BM#1
CROSS CUT ON SOUTH RIM OF MANHOLE
ELEVATION 877.16 NAVD88
N 326200.90 E 1429946.24
LE FB 54036

AREA OF DISTURBANCE
0.95 ACRES PROPOSED DISTURBANCE WITHIN LIMITS SHOWN.

OWNER
STATE OF OHIO
834 EDGEWATER DRIVE
ST. MARY'S TOWNSHIP
AUGLAIZE COUNTY
PARCEL # K31002600

1-STORY WOOD 12" HIGH

WOODED AREA

STATE OF OHIO
D.V.145 P.148
PAR: K3100602600

ASPHALT

BASKETBALL HOOP ~TYP~

EDGEWATER DR.

ONE WAY

PROP FIN FLOOR
878.00

PROP GAS

SITE BENCHMARK
N 326200.90
E 1429946.24
ELEV 877.16
LE.FB.54036

SAN MH 1
RIM.....877.16
8" INV E.....863.36 PVC
8" INV W.....863.36 PVC
6" INV NE.....871.06 PVC
8" INV S.....UNABLE TO MEASURE

SAN MH 2
RIM.....876.97
TOP 12" PIPE.....872.94
TOP VALVE.....873.37

SAN MH 3
RIM.....873.66
8" INV N.....867.98 VT
4" INV E.....867.96 VT
4" INV S.....867.96 VT

8" STM INV....872.99

FIBER VAULT

BUSH

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PROFESSIONAL ENGINEER
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P.E. #61607
STATE: OHIO

DRAWN BY	CHECKED BY	TOPO/UTILITY	PROJECT NO.
MPF	TMB	MPF	30131

No.	REVISION	CHK'D BY	DATE

ST. MARYS TOWNSHIP ~ AUGLAIZE COUNTY ~ OHIO

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PT. NE. 1/4 & SE. 1/4 OF SEC. 6, T6S, R4E

PROPOSED SITE IMPROVEMENTS

APPLICATION NO.

DATE 09/19/2025

SCALE 1" = 20'

SHEET 8 OF 10

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- CATCH BASIN (CB)
- CURB INLET
- MANHOLE
- YARD BASIN
- HYDRANT
- VALVE
- POWER POLE
- GUY WIRE
- YARD LIGHT
- POWER POLE/YARD LIGHT
- BOLLARD
- CLEANOUT
- FLOOD LIGHT
- MAILBOX
- METER
- ID SIGN (SIGN)
- SIGN
- TELEPHONE PEDESTAL
- UTILITY TAP
- TREE – CONIFEROUS
- TREE – DECIDUOUS
- END OF UTILITY MARKOUT

PROPOSED ASPHALT PAVEMENT

PROPOSED CONCRETE SIDEWALK

GRAPHIC SCALE

60 0 30 60

(IN FEET)
1 inch = 60 ft.

TB "B-24" SET MAG
N 326891.95
E 1429757.05
ELEV 880.17
LE.FB.54036

TP "C-24" SET MAG
N 327179.14
E 1429989.88
ELEV 885.35
LE.FB.54036

TP "E-24" SET MAG
N 23665445
E 1430018.60
ELEV 879.15
LE.FB.54036

CONTRACTOR, THEIR SUB-CONTRACTORS, DELIVERIES AND EMPLOYEES SHALL NOT BE PERMITTED TO USE OR BLOCK DRIVES

CONTRACTOR TO PROVIDE TEMPORARY ACCESS DRIVE AND MAINTAIN TWO-WAY TRAFFIC TO CAMPGROUND THROUGHOUT THE DURATION OF THE PROJECT; CONTRACTOR SHALL PROVIDE BARRIERS, AS NECESSARY TO PROTECT CONSTRUCTION AREA FROM TWO-WAY CAMPGROUND TRAFFIC. ALL TEMPORARY IMPROVEMENTS TO BE REMOVED AT THE END OF PROJECT AND AREA RESTORED BACK TO ORIGINAL CONDITIONS

BUILDING CORNER
N 326278.83
E 1430038.47*

SITE BENCHMARK
N 326200.90
E 1429946.24
ELEV 877.16
LE.FB.54036

CONTRACTOR TO UTILIZE THIS AREA FOR ALL CONSTRUCTION ACTIVITY SUCH AS, BUT NOT LIMITED TO STAGING, STORAGE, LAYDOWN, PARKING, DUMPSTERS, ETC.

BUILDING CORNER
N 326301.22
E 1430131.49*

CONTRACTOR TO PROVIDE TEMPORARY ACCESS DRIVE OFF EDGEWATER DRIVE, THIS IS THE ONLY ACCESS THE CONTRACTOR, THEIR SUB-CONTRACTORS, DELIVERIES AND EMPLOYEES SHALL USE FOR ACCESS TO THE SITE. ACCESS DRIVE SHALL INCLUDE A TEMPORARY CULVERT TO MAINTAIN PROPOSED SWALE DRAINAGE. CONTRACTOR TO REMOVE ALL TEMPORARY IMPROVEMENTS AT END OF PROJECT AND RESTORE AREA TO ORIGINAL CONDITIONS

CONTRACTOR, THEIR SUB-CONTRACTORS, DELIVERIES AND EMPLOYEES SHALL NOT BE PERMITTED TO USE OR BLOCK THIS DRIVE

EROSION CONTROL

- SILT FENCE
- SEDIMENT BARRIER
- CONSTRUCTION ENTRANCE
- DUMPSTER AREA
- CONCRETE WASH-OUT AREA
- VEHICLE FUELING/MAINTENANCE AREA

BENCH MARK

BM#1
CROSS CUT ON SOUTH RIM OF MANHOLE
ELEVATION 877.16 NAVD88
N 326200.90 E 1429946.24
LE FB 54036

NOTICE

CONTRACTOR SHALL VERIFY ALL CONTROL POINTS PRIOR TO COMMENCING WORK.

* APPROXIMATE BUILDING COORDINATES; CONTRACTOR TO VERIFY COORDINATES WITH ARCHITECTURAL DIMENSIONED BUILDING PLANS AND NOTIFY ARCHITECT IF DISCREPANCIES ARE FOUND

NOTICE

CULTURAL / ENVIRONMENTAL NOTE:
CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY IF ARCHAEOLOGICAL DEPOSITS ARE DISCOVERED IN THE LIMITS OF WORK AND WORK STOPPED UNTIL DIRECTION IS GIVEN.

NO TREE CLEARING SHALL BE PERMITTED OUTSIDE THE LIMITS OF WORK

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PROFESSIONAL ENGINEER
STATE OF OHIO · TROY M. DARMAN · E-41007 · REGISTERED PROFESSIONAL ENGINEER
P.E. #E41007
STATE: OHIO

DRAWN BY	CHECKED BY	TOPO/UTILITY	PROJECT NO.
MPF	TMB	MPF	30131

CHK'D BY DATE

REVISION

No.

ST. MARYS TOWNSHIP ~ AUGLAIZE COUNTY ~ OHIO

GRAND LAKE ST. MARYS STATE PARK

PT. NE. 1/4 & SE. 1/4 OF SEC. 6, T6S, R4E
PROPOSED SITE IMPROVEMENTS

APPLICATION NO.

DATE 09/19/2025

SCALE 1" = 60'

SHEET **9 OF 10**

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THE OWNER/DEVELOPER IS RESPONSIBLE FOR FILING THE NOTICE OF INTENT WITH THE OHIO EPA, PERMIT TO INSTALL (P.T.I.) (WHEN NECESSARY FOR WATERMAIN CONSTRUCTION) AND THE NOTICE OF TERMINATION (N.O.T.).

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING THE CONTRACTOR CONTACT SHEET, THE STORM WATER POLLUTION PREVENTION PLAN CONTACT LIST, COMPLETING AND FILING THE N.O.I CO-PERMITTEE PERMIT (CO-PERMITTEE AND SHALL BE SUBMITTED A MINIMUM OF 21 DAYS BEFORE GROUND IS BROKEN), ALL INSPECTIONS, SWP3 MODIFICATION AND FILLING OUT THE N.O.T..

ALL SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING THE CONTRACTOR CONTACT SHEET, THE STORM WATER POLLUTION PREVENTION PLAN CONTACT LIST AND COMPLETING AND FILING THE N.O.I CO-PERMITEE PERMIT (CO-PERMITTEE AND SHALL BE SUBMITTED A MINIMUM OF 21 DAYS BEFORE GROUND IS BROKEN) AS NECESSARY.

THE EROSION CONTROL MEASURES DESCRIBED HEREIN ARE TYPICAL. THE CONTRACTOR SHALL USE THIS PLAN AS A GUIDE TO CONTROL EROSION. IN THE EVENT OF ADVERSE WEATHER CONDITIONS, ETC. ADDITIONAL MEASURES SHALL BE TAKEN TO ESTABLISH AND MAINTAIN PROTECTIVE VEGETATION. THE CONTRACTOR'S QUALIFED INSPECTOR HAS ALL RIGHTS AND RESPONSIBILITIES TO MODIFY THIS SWP3 PLAN IN ORDER TO MAINTAIN COMPLIANCE WITH THE NPDES PERMIT.

WORK SHALL NOT COMMENCE UNTIL A COPY OF THE OHIO EPA LETTER GRANTING COVERAGE, FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) HAS BEEN SUBMITTED BY THE CONTRACTOR TO THE LOCAL MUNICIPALITY OR COUNTY.

CONTRACTOR SHALL MAINTAIN NOTES ON ALL MODIFICATIONS TO THE SWP3 IN THE SWP3 LOG BOOK AND SHALL KEEP ALL RECORDS AND PLANS ON-SITE. CONTRACTOR SHALL UPDATE THE EROSION CONTROL PLAN WITH THE FINAL LOCATION FOR STORAGE AREAS OF SOLID, SANITARY AND TOXIC WASTE (INCLUDING DUMPSTER AREAS), AREAS DESIGNATED FOR CONCRETE TRUCK WASHOUT, AREAS FOR REFUELING AND DESIGNATED CONSTRUCTION ENTRANCE(S).

THE CONTRACTOR SHALL COMPLETE THE NOTICE OF TERMINATION (N.O.T.) WITHIN 45 DAYS AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED AND CONSTRUCTION ACTIVITY IS COMPLETED. COPY OF N.O.T., ALL INSPECTION LOGS, EROSION CONTROL NOTES AND PLANS SHALL BE DELIVERED TO THE OWNER FOR FILING WITH THE OHIO EPA.

FINAL SITE STABILIZATION IS CONSIDERED ACHIEVED ONCE ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES ARE REMOVED AND DISPOSED OF AND ALL TRAPPED SEDIMENT HAS BEEN PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION. THE TERMS AND CONDITIONS OF THIS PERMIT SHALL REMAIN IN EFFECT UNTIL A SIGNED N.O.T. FORM IS SUBMITTED.

FAILURE TO SUBMIT A N.O.T. CONSTITUTES A VIOLATION OF THIS PERMIT AND MAY AFFECT THE ABILITY OF THE PERMITTEE TO OBTAIN GENERAL PERMIT COVERAGE IN THE FUTURE.

A. SITE ENVIRONMENTAL CONDITIONS

1. DESCRIPTION OF WORK: COMMERCIAL BUILDING AND DEMOLITION
2. AREA TO BE DISTURBED BY CONSTRUCTION: 0.9 ACRES

B. CONSTRUCTION SCHEDULE

1. FILE N.O.I. AND CO-PERMITTEE NOI
2. INSTALL CONSTRUCTION ENTRANCE
3. INSTALL SILT FENCING AT DOWNSLOPE PERIMETER OF SITE
4. INSTALL FILTER FABRIC AROUND EXISTING CATCHBASINS
5. DEMOLITION, CLEAR AND GRUB SITE AND PLACE TEMPORARY SEED
6. CONSTRUCT BUILDINGS AND PARKING LOT
7. TEMPORARY EROSION CONTROLS SHALL BE APPLIED TO ALL DISTURBED AREAS THAT ARE TO BE LEFT IDLE OVER WINTER PRIOR TO THE ONSET OF WINTER WEATHER
8. INSTALL LANDSCAPE AND FINAL CONSTRUCTION STABILIZATION
9. FILE N.O.T.

C. STORM WATER RECEIVING STREAM

1. IMMEDIATE RECEIVING STREAM: DISCHARGES TO GRAND LAKE ST. MARYS

D. BATCH PLANTS

1. ASPHALT AND/OR CONCRETE BATCH PLANTS ARE NOT ANTICIPATED FOR THIS PROJECT. CONTRACTOR SHALL MODIFY THE NPDES CONSTRUCTION STORM WATER GENERAL PERMIT AS REQUIRED PRIOR TO ESTABLISHING BATCH PLANTS IF THEY DEEM THEM NECESSARY FOR THE CONSTRUCTION ACTIVITIES.

E. SWPPP GENERAL NOTES

1. TEMPORARY EROSION CONTROL SHALL CONFORM TO OHIO EPA PERMIT NO: OCH000005. ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST MEET THE STANDARDS & SPECIFICATIONS OF THE OHIO RAINWATER AND LAND DEVELOPMENT HANDBOOK (CURRENT EDITION) ALONG WITH ALL LOCAL CODES, STANDARDS AND REQUIREMENTS.

2. THE CONTRACTOR SHALL TAKE SPOILS AND RECEIVE BORROW FROM OFF-SITE LOCATIONS THAT MAINTAIN THEIR OWN N.O.I.. IF OFF-SITE LOCTAIONS DO NOT HAVE THEIR OWN N.O.I THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERMITTING THE OFF-SITE BORROW/SPOIL SITES. ADDRESS FOR OFF-SITE AREAS ALONG WITH COPIES OF THEIR N.O.I. PERMITS SHALL BE MAINTAINED ADDED TO THE END OF THIS EROSION CONTROL LOG BOOK.

   a. THE EARTHWORK ON THIS SITE MAY NOT BE BALANCED AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXCAVATE AND PROPERLY DISPOSE OF EXCESS MATERIAL OFF SITE AND/OR PROVIDE, PLACE AND COMPACT SUITABLE FILL MATERIAL AS REQUIRED FOR THE PROJECT. MOUNDING OF EXCESS MATERIAL OR EXCAVATING BORROW PITS ON SITE IS NOT PERMITTED WITHOUT THE WRITTEN APPROVAL OF THE OWNER.

3. THE CONTRACTOR SHALL NOT DISPOSE ANY SOLID, SANITARY OR TOXIC WASTES ON SITE.

4. DISTURBED AREAS SHALL BE KEPT TO A MINIMUM WITH RESPECT TO AREAS EXPOSED AND TIME OF EXPOSURE.

5. TO ASSIST IN EROSION CONTROL, ALL TREES AND VEGETATION OUTSIDE OF GRADED AREAS SHALL REMAIN UNDISTURBED.

6. TEMPORARY STABILIZATION (SEEDING AND/OR MULCHING) TO DISTURBED AREAS MUST BE APPLIED: 1) WITHIN 7 DAYS OF LAST DISTURBANCE ON ANY AREA THAT WILL LIE DORMANT FOR ONE YEAR OR LONGER; 2) WITHIN 2 DAYS ON ANY AREAS WITHIN 50 FT. OF A STREAM OR SURFACE WATER THAT WILL LIE DORMANT FOR 14 DAYS OR LONGER; 3) WITHIN 7 DAYS ON ANY AREAS OVER 50 FT. OF A STREAM OR SURFACE WATER THAT WILL LIE DORMANT FOR 14 DAYS OR LONGER; AND 4) PRIOR TO THE ONSET OF WNTER IN THOSE AREAS THAT WILL BE IDLE OVER WINTER. PERMANENT STABILIZATION TO DISTURBED AREAS MUST BE APPLIED TO ANY AREA: 1) WITHIN 7 DAYS OF REACHING FINAL GRADE; 2) WITHIN 7 DAYS FOR AREAS THAT WILL LIE DORMANT FOR 1 YEAR OR MORE, OR 3) WITHIN 2 DAYS OF REACHING FINAL GRADE WITHIN 50 FT. OF A STREAM. DISTURBED AREAS SHALL BE STABILIZED WITH SEEDING AND MULCHING OR OTHER APPROPRIATE MEANS.

7. SEDIMENT CONTROL DEVICES SHALL BE IMPLEMENTED FOR ALL AREAS TO BE DISTURBED FOR OVER 14 DAYS

8. SEDIMENT PONDS/TRAPS AND PERIMETER CONTROLS, AS REQUIRED, SHALL BE IMPLEMENTED AS A FIRST STEP OF GRADING AND WITHIN 7 DAYS OF GRUBBING AND SHALL CONTINUE TO FUNCTION UNTIL UPLAND AREAS ARE STABILIZED.

9. EROSION CONTROL BLANKETS WITH MATTING WILL BE USED ON DITCHES GREATER THAN 1.5% AND ALL OTHER SLOPES GREATER THAN 6% GRADE.

10. ALL SITES WITH OVER 10 ACRES OF DISTURBED AREA, WHEN THERE IS CONCENTRATED RUNOFF (STORM SEWER OR DITCH), OR WHEN THE DESIGN CAPACITY OF SILT FENCE OR INLET PROTECTION HAS BEEN EXCEEDED SHALL HAVE A SEDIMENT POND. SEDIMENT POND SHALL BE SIZED PER THE N.O.I. PERMIT. OUTLET STRUCTURE FOR THE SEDIMENT POND SHALL WITHDRAW WATER FROM THE SURFACE. CONTRACTOR SHALL PROVIDE AND INSTALL A STORM WATER SKIMMER TO REGULATE DISCHARGE FROM THE SURFACE OF THE SEDIMENT POND. SEDIMENT AREA SHALL BE CLEANED OUT WHEN SILT OCCUPIES 40% OF THE SEDIMENT STORAGE ZONE OR WHEN THE SEDIMENT ACCUMULATION CREATES A DRAINAGE ISSUE, WHICHEVER COMES FIRST.

11. DETENTION POND SHALL BE SEEDED WITH GRASS PER THE EROSION CONTROL NOTE SPECIFICATIONS. DETENTION AREA SHALL BE CLEANED OUT WHEN SEDIMENT OCCUPIES 40% OF THE SEDIMENT STORAGE ZONE OR WHEN THE SEDIMENT ACCUMULATION CREATES A DRAINAGE ISSUE, WHICHEVER COMES FIRST

12. DETENTION AREA SHALL HAVE MAXIMUM SIDE SLOPES OF 3:1.

13. SILT FENCE FABRIC SHALL BE EXXON GTF-100S OR APPROVED EQUAL. SILT FENCE IS NOT PERMITTED TO BE USED FOR CONTROLLING HIGH VELOCITY STORM WATER FLOW (ONLY SHEET FLOW).

14. STRUCTURAL SEDIMENT CONTROLS SHALL NOT BE CONSTRUCTED IN ANY STREAMS. ANY WORK/DISTURBANCE ALONG STREAM BANKS SHALL BE MINIMIZED TO THE WIDTH OF CONSTRUCTION AS SHOWN ON THE PLANS.

15. NO SOLID OR LIQUID WASTE, TOXIC/HAZARDOUS/OTHERWISE, SHALL BE DISCHARGED INTO STORM WATER RUNOFF. IT IS PROHIBITED TO BURN, BURY, OR POUR ONTO THE GROUND OR INTO A STORM WATER CONVEYANCE ANY SOLVENTS, PAINTS, STAINS, GASOLINE, DIESEL FUEL, HYDRAULIC FLUID, USED MOTOR OIL, ANTIFREEZE, CEMENT CURING COMPOUNDS, AND OTHER SUCH SOLID OR HAZARDOUS WASTES. ANY RINSE WATERS CONTAINING SUCH MATERIALS ARE PROHIBITED BEING PLACED WHERE THEY MAY ENTER DRAINAGEWAYS. WASH OUT OF CEMENT TRUCKS SHOULD OCCUR IN A DIKED, DESIGNATED AREA, AWAY FROM ANY CONVEYANCE CHANNEL. STORAGE TANKS, EQUIPMENT MAINTENANCE, AND CHEMICAL MIXING SHOULD BE LOCATED IN DIKED AREAS AWAY FROM DRAINAGE CHANNELS. THE NPDES CONSTRUCTION STORM WATER GENERAL PERMIT ONLY AUTHORIZES THE DISCHARGE OF STORM WATER AND CERTAIN UNCONTAMINATED NON-STORM WATERS. THE DISCHARGE OF NON-STORM WATERS TO WATERS OF THE STATE MAY BE IN VIOLATION OF LOCAL, STATE AND FEDERAL LAWS OR REGULATIONS. THE SWPPP PLAN DRAWING SHALL BE UPDATED TO SHOW THE LOCATION OF THESE AREAS.

16. CONTRACTOR SHALL PROVIDE, AS NECESSARY, CONTAINERS FOR DISPOSAL OF DEBRIS, TRASH, HAZARDOUS OR PETROLIUM PRODUCTS. ALL CONTAINERS MUST BE COVERED AND LEAK-PROOF.

17. CONTRACTOR SHALL VERIFY THAT BRICKS, HARDENED CONCRETE AND SOIL WASTE ARE FREE FROM CONTAMINATION.

18. CONTRACTOR SHALL DISPOSE OF ALL CONSTRUCTION AND DEMOLITION DEBRIS WASTE AT A LANDFILL FACILITY APPROVED BY THE OHIO EPA TO ACCEPT SUCH WASTE AS REQUIRED BY THE OHIO REVISED CODE (ORC) 3714. CONSTRUCTION DEBRIS MAY BE DISPOSED OF ON-SITE, BUT DEMOLITION DEBRIS MUST BE DISPOSED IN AN OHIO EPA APPROVED LANDFILL. MATERIAL WHICH CONTAIN ASBESTOS MUST COMPLY WITH AIR POLLUTION REGULATIONS (SEE OHIO ADMINISTRATIVE CODE 3745-20)

19. ALL STORAGE TANKS, EQUIPMENT MAINTENANCE AND CHEMICAL MIXING SHALL BE LOCATED/COMPLETED IN DIKED AREAS AWAY FROM DRAINAGE CHANNELS. THE SWPPP PLAN DRAWING SHALL BE UPDATED TO SHOW THE LOCATION OF THESE ITEMS.

20. VEHICLE FUELING AND MAINTENCE AREA SHALL BE LOCATED AWAY FROM WATERCOURSES, DRAINAGE DITCHES, FIELD DRAINS OR OTHER STORM WATER AREAS.

21. CONTRACTOR SHALL BE LIMITED TO THE FOLLOWING STORAGE TANKS FOR SUPPORT OF CONSTRUCTION ACTIVITIES: SINGLE ABOVE GROUND STORAGE TANKS SHALL BE LESS THAN 660 GALLONS AND TOTAL OF ABOVE GROUND STORAGE TANKS SHALL BE LESS THAN 1330 GALLONS. BELOW GROUND STORAGE TANKS SHALL NOT BE PERMITTED FOR SUPPORT OF CONSTRUCTION ACTIVITES.

22. IF CONTAMINATED SOILS ARE FOUND ONE OF THE FOLLOWING PRACTICES SHALL BE FOLLOWED BY THE CONTRACTOR TO PREVENT CONTAMINATION FROM BEING RELEASED: A. THE USE OF BERMS, TRENCHES AND PITS TO COLLECT CONTAMINATED RUNOFF; B. THE PUMPING OF RUNOFF INTO A SANITARY SEWER (CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS PRIOR TO COMMENCING PUMPING ACTIVITIES INTO S SANITARY SEWER) OR INTO A CONTAINER FOR TRANSPORT TO AN APPROPRIATE TREATMENT/DISPOSAL FACILITY; C. COVERING AREAS OF CONTAMINATION WITH TARPS OR OTHER METHODS THAT PREVENT STORM WATER FROM COMING INTO CONTACT WITH THE MATERIAL.

23. SPILLS OF LESS THAN 25 GALLONS OF PETROLEUM PRODUCT AND SOIL FOUND TO BE CONTAMINATED SHALL BE PROPERLY DISPOSED OFF-SITE AT AN OHIO EPA APPROVED SOLID WASTE MANAGEMENT FACILITY OR HAZARDOUS WASTE TREATMENT, STORAGE OR DISPOSAL FACILITY PER LOCAL, STATE AND FEDERAL REGULATIONS. PETROLEUM BASED AND CONCRETE CURING COMPOUNDS MUST HAVE SPECIAL HANDLING PROCEDURES.

24. PETROLEUM PRODUCT SPILLS OF 25 GALLONS OR GREATER AND ALL SPILLS WHICH RESULT IN CONTACT WITH WATERS OF THE STATE SHALL BE REPORTED TO THE OHIO EPA'S SPILL HOTLINE (1-800-282-9378), THE LOCAL FIRE DEPARTMENT AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE DISCOVERY OF A RELEASE.

25. OPEN BURNING IS PROHIBITED AT THE CONSTRUCTION SITE.

26. CONTRACTOR SHALL OBTAIN ALL AIR POLLTUION PERMITS AS REQUIRED FOR THEIR PROPOSED OPERATIONS AND CONSTRUCTION ACTIVITIES.

27. FOR RESTORATION OR DEMOLITION PROJECTS THE CONTRACTOR SHALL NOTIFY THE OHIO EPA, DIVISION OF AIR POLLUTION CONTROL AS NECESSARY TO DETERMINE IF ASBESTOS CORRECTIVE ACTIONS ARE REQUIRED.

28. CONTRACTOR SHALL KEEP THE SITE IN A NEAT CONDITION WITH ADJACENT ROADS KEPT FREE OF DIRT AND DEBRIS AT ALL TIMES. CONTRACTOR SHALL USE PROTECTED STORAGE AREAS FOR INDUSTRIAL OR CONSTRUCTION MATERIALS AS NECESSARY TO PROTECT THEM FROM EXPOSURE TO STORM WATER.

F. INSPECTIONS

THE CONTRACTOR SHALL PROVIDE REGULAR INSPECTION AND MAINTENANCE FOR ALL EROSION CONTROL PRACTICES AND DISTURBED AREAS. PROVIDE NAME OF INSPECTOR, MAJOR OBSERVATIONS, DATE OF INSPECTION, CERTIFICATION OF COMPLIANCE AND CORRECTIVE MEASURES TAKEN. CONTRACTOR SHALL USE A CONSTRUCTION INSPECTION CHECKLIST MEETING THE REQUIREMENTS OF THE OHIO EPA PERMIT AND LOCAL REVIEWING AGENCIES. CHECKLIST SHALL BE COMPLETED AND SIGNED BY THE INSPECTOR AFTER EVERY INSPECTION.

THE CONTRACTOR SHALL SUBMIT THE NAME OF THE QUALIFIED INSPECTION PERSONNEL RESPONSIBLE FOR CONDUCTING THE WEEKLY AND EVENT EROSION CONTROL INSPECTIONS OF THE CONSTRUCTION SITE TO THE OWNER AND GOVERNMENT SWP3 INSPECTION AGENCY PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.

1. INSPECTIONS MUST BE MADE A MINIMUM OF ONCE EVERY 7 DAYS AND IMMEDIATELY AFTER STORM EVENTS GREATER THAN 0.5 INCHES IN A 24 HOUR PERIOD.

2. ALL INSPECTIONS SHALL BE COMPLETED BY THE CONTRACTOR'S QUALIFIED PERSONNEL

3. CONTRACTOR'S INSPECTOR SHALL FILL IN THE INSPECTION LOG AFTER EACH INSPECTION (SEE APPENDIX)

4. CONTRACTOR SHALL MAINTAIN PERMANENT RECORDS OF MAINTENANCE AND INSPECTIONS THROUGHOUT CONSTRUCTION AND FOR A PERIOD OF 3 YEARS AFTER TERMINATION OF CONSTRUCTION ACTIVITIES.

5. CONTINUOUS MAINTENANCE WILL BE REQUIRED AS NECESSARY UNTIL PERMANENT, STABLE VEGETATIVE COVER HAS BEEN ESTABLISHED AND EROSION HAS BEEN CONTROLLED. THIS INCLUDES BUT IS NOT LIMITED TO RESEEDING, MULCHING, EARTH FILLING, ETC.
   a. THE FOLLOWING ITEMS SHALL BE COMPLETED WITHIN 3 DAYS OF INSPECTION: REPAIR OR MAINTENANCE OF NON-SEDIMENT POND BMPS
   b. THE FOLLOWING ITEMS SHALL BE COMPLETED WITHIN 10 DAYS OF INSPECTION: CONSTRUCTION/INSTALLATION OF NEW AND MISSING BMPS, REPAIR AND/OR CLEAN-OUT OF SEDIMENT PONDS

6. THE SWP3 INSPECTION FREQUENCY MAY BE REDUCED TO MONTHLY FOR DORMANT SITES IF:
   a. THE ENTIRE SITE IS TEMPORARILY STABILIZED OR
   b. RUNOFF IS UNLIKELY DUE TO WEATHER CONDITIONS FOR EXTENDED PERIODS OF TIME

NOTICE

CONTRACTOR SHALL INSTALL INLET PROTECTION IN ALL CATACH BASINS RECEIVING CONSTRUCTION STORM WATER RUNOFF AND SHALL INSTALL SILT FENCE ALONG ALL GRASS AREAS WHERE CONSTRUCTION STORM WATER LEAVES THE CONSTRUCTION LIMITS

CONTRACTOR SHALL PROVIDE, MAINTAIN AND AT THE COMPLETION OF THE PROJECT REMOVE A CONCRETE WASH-OUT PIT

CONCRETE WASH-OUT

1. CONCRETE TRUCKS SHALL WASH-OUT THEIR EQUIPMENT SO THAT ALL WASTE WATERS ARE DIRECTED INTO THE CONCRETE WASH-OUT PIT.

2. CONCRETE WASH-OUT SHALL BE CONSTRUCTED PRIOR TO PLACING CONCRETE ON SITE.

3. CONTRACTOR SHALL PROVIDE A VINYL WASH-OUT CONTAINER OF APPROPRIATE SIZE TO BE USED FOR THE CONCRETE WASH-OUT. CONTAINER AND ALL WASH-OUT MATERIAL SHALL BE REMOVED AND PROPERLY DISPOSED OF OFF-SITE BY THE CONTRACTOR.

SPECIFICATIONS FOR PERMANENT SEEDING

SITE PREPARATION

1. A SUBSOILER, PLOW OR OTHER IMPLEMENT SHALL BE USED TO REDUCE SOIL COMPACTION AND ALLOW MAXIMUM INFILTRATION. (MAXIMIZING INFILTRATION WILL HELP CONTROL BOTH RUNOFF RATE AND WATER QUALITY.) SUBSOILING SHOULD BE DONE WHEN THE SOIL MOISTURE IS LOW ENOUGH TO ALLOW THE SOIL TO CRACK OR FRACTURE. SUBSOILING SHOULD NOT BE DONE ON SLIP-PRONE AREAS WHERE SOIL PREPARATION SHOULD BE LIMITED TO WHAT IS NECESSARY FOR ESTABLISHING VEGETATION.

2. THE SITE SHALL BE GRADED AS NEEDED TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION AND SEEDING.

3. RESOIL SHALL BE APPLIED WHERE NEEDED TO ESTABLISH VEGETATION.

SEEDBED PREPARATION

1. LIME--AGRICULTURAL GROUND LIMESTONE SHALL BE APPLIED TO ACID SOIL AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST, LIME SHALL BE APPLIED AT THE RATE OF 100 LB./1,000 SQ. FT. OR 2 TONS/AC.

2. FERTILIZER--FERTILIZER SHALL BE APPLIED AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST, FERTILIZER SHALL BE APPLIED AT A RATE OF 12 LB./1,000 SQ. FT. OR 500 LB./AC. OF 10-10-10 OR 12-12-12 ANALYSIS.

3. THE LIME AND FERTILIZER SHALL BE WORKED INTO THE SOIL WITH A DISK HARROW, SPRING-TOOTHED HARROW, OR OTHER SUITABLE FIELD IMPLEMENT TO A DEPTH OF 3 IN. ON SLOPING LAND, THE SOIL SHALL BE WORKED ON THE CONTOUR.

SEEDING DATES AND SOIL CONDITIONS

1. SEEDING SHALL BE DONE MARCH 1 TO MAY 31 OR AUGUST 1 TO SEPTEMBER 30. THESE SEEDING DATES ARE IDEAL BUT, WITH THE USE OF ADDITIONAL MULCH AND IRRIGATION, SEEDINGS MAY BE MADE ANY TIME THROUGHOUT THE GROWING SEASON. TILLAGE/SEEDBED PREPARATION SHOULD BE DONE WHEN THE SOIL IS DRY ENOUGH TO CRUMBLE AND NOT FORM RIBBONS WHEN COMPRESSED BY HAND. FOR WINTER SEEDING, SEE THE FOLLOWING SECTION ON DORMANT SEEDING.

DORMANT SEEDINGS

1. SEEDINGS SHALL NOT BE PLANTED FROM OCTOBER 1 THROUGH NOVEMBER 20. DURING THIS PERIOD THE SEEDS ARE LIKELY TO GERMINATE, BUT PROBABLY WILL NOT BE ABLE TO SURVIVE THE WINTER.

2. THE FOLLOWING METHODS MAY BE USED FOR "DORMANT SEEDING":

   -FROM OCTOBER 1 TO NOVEMBER 20, PREPARE THE SEEDBED, ADD THE REQUIRED AMOUNTS OF LIME AND FERTILIZER, MULCH AND ANCHOR. AFTER NOVEMBER 20, AND BEFORE MARCH 15, BROADCAST THE SELECTED SEED MIXTURE. INCREASE THE SEEDING RATES BY 50% FOR THIS TYPE OF SEEDING.

   -FROM NOVEMBER 20 THROUGH MARCH 15, WHEN SOIL CONDITIONS PERMIT, PREPARE THE SEEDBED, LIME AND FERTILIZE, APPLY THE SELECTED SEED MIXTURE, MULCH AND ANCHOR. INCREASE THE SEEDING RATES BY 50% FOR THIS TYPE OF SEEDING.

   -APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDRO-SEEDER (SLURRY MAY INCLUDE SEED AND FERTILIZER) ON A FIRM, MOIST SEEDBED.

   -WHERE FEASIBLE, EXCEPT WHEN A CULTIPACKER TYPE SEEDER IS USED, THE SEEDBED SHOULD BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A CULTIPACKER, ROLLER, OR LIGHT DRAG. ON SLOPING LAND, SEEDING OPERATION SHOULD BE ON THE CONTOUR WHERE FEASIBLE.

SEED MIX	SEEDING RATE LB./AC.	SEEDING RATE LB./1,000FT.²	NOTES:
GENERAL USE			
CREEPING RED FESCUE	20-40	1/2-1	
DOMESTIC RYE GRASS	10-20	1/4-1/2	
KENTUCKY BLUEGRASS	10-20	1/4-1/2	
TALL FESCUE	40	1	
DWARF FESCUE	40	1	
STEEP BANKS OR CUT SLOPES			
TALL FESCUE	40	1	
CROWN VETCH	10	1/4	DO NOT SEED
TALL FESCUE	20	1/2	LATER THAN AUGUST.
FLAT PEA	20	1/2	DO NOT SEED
TALL FESCUE	20	1/2	LATER THAN AUGUST.
ROAD DITCHES AND SWALES			
TALL FESCUE	40	1	
DWARF FESCUE	90	2 1/4	
KENTUCKY BLUEGRASS	5		
LAWNS			
KENTUCKY BLUEGRASS	60	1 1/2	
PERENNIAL RYE GRASS	60	1 1/2	
KENTUCKY BLUEGRASS	60	1 1/2	FOR SHADED AREAS
CREEPING RED FESCUE	60	1 1/2	

NOTE: OTHER APPROVED SEED SPECIES MAY BE SUBSTITUTED.

MULCHING

MULCH SHALL CONSIST OF THE FOLLOWING

NOTICE: STRAW MATTING SHALL NOT BE USED; ONLY ORGANIC MATERIAL TO BE USED FOR MULCHING.

1. STRAW - STRAW SHALL BE UNROTTED SMALL GRAIN APPLIED AT A RATE OF 2 TONS/ACRE OR 90 LB./1,000 SQ FT (TWO TO THREE BALES). THE STRAW MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQ FT SECTIONS AND PLACE TWO 45 LB BALES OF STRAW IN EACH SECTION.

2. HYDROSEEDERS - WOOD CELLULOSE FIBER SHOULD BE USED AT 2,000 LB/ACRE OR 46 LB/1,000 SQ FT.

MULCH SHALL BE ANCHORED BY THE FOLLOWING METHODS:

1. MECHANICAL - USE A DISK, CRIMPER OR SIMILAR TYPE TOOL SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT BE LEFT GENERALLY LONGER THAN 6 IN.

2. ASPHALT EMULSION - FOR STRAW MULCH, APPLY AT THE RATE OF 160 GAL/ACRE (0.1 GAL/SY) INTO THE MULCH AS IT IS BEING APPLIED OR AS RECOMMENDED BY THE MANUFACTURER.

3. SYNTHETIC BINDERS - FOR STRAW MULCH, SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70, PETROSET, TERRA TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER.

4. WOOD CELLULOSE FIBER - FOR STRAW MULCH, APPLIED AT A DRY WEIGHT OF 750 LB/ACRE. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB/100 GAL OF WOOD CELLULOSE FIBER.

SILT FENCE

1. THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES (HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE).

2. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND SECURELY SEALED.

3. POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 12 INCHES). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET.

4. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 6 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.

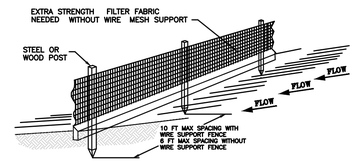
5. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.

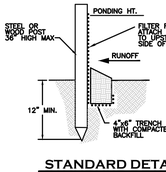
6. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.

7. WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF ITEM NO.6 APPLYING.

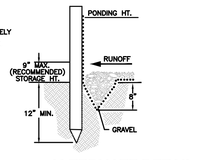
8. THE TRENCH SHALL BE BACKFILLED AND SOIL COMPACTED OVER THE FILTER FABRIC.

9. SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.





STANDARD DETAIL
TRENCH WITH NATIVE BACKFILL



ALTERNATE DETAIL
TRENCH WITH GRAVEL

NOTE: THE MAXIMUM DRAINAGE AREA BEHIND THE SILT FENCE SHALL NOT EXCEED:

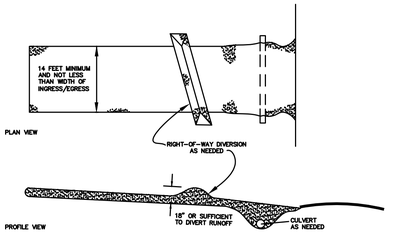
DRAINAGE AREA FOR 100 LINEAL FT. OF SILT FENCE	RANGE OF SLOPE
0.5 ACRES (217.8' DEEP)	<2%
0.25 ACRES (108.9' DEEP)	>2% BUT <20%
0.125 ACRES (54.5' DEEP)	>20% BUT <50%

1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN SILT REACHES 1/3 TO 1/2 HEIGHT OF SILT FENCE.

2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY. IT SHOULD ALSO BE CURVED TOWARDS THE UPSLOPE AT THE ENDS.

CONSTRUCTION ENTRANCE



1. STONE SIZE--TWO INCH STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALEN

GENERAL NOTES:

1. EXAMINE FINISH SURFACE, GRADES, TOPSOIL QUALITY AND DEPTH. DO NOT START ANY WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. VERIFY LIMITS OF WORK BEFORE STARTING.
2. CONTRACTOR IS RESPONSIBLE FOR COST OF REPAIRS TO EXISTING CONDITIONS WHEN DAMAGED BY CONTRACTOR. REPAIR DAMAGES TO THE SATISFACTION OF THE OWNER.
3. CONTRACTOR IN SCOPE SHALL INCLUDE SOIL MOVED/FURNISHED/PLACED AND FINE GRADING AND PLANTINGS TO BE PROVIDED BY OWNER.
4. CONTRACTOR TO COORDINATE WITH ODNR TO PLANT WITHIN 1 WEEK OF SOILS INSTALLATION TO REDUCE RUNOFF AND LEACHING OF ORGANICS.
5. SEE CIVIL ENGINEERING FOR EROSION CONTROL.

SOILS CONSTRUCTION NOTES:

(1) LOCKSTONE BENCH SEATING BY CONTRACTOR. LOCKSTONE IS TO BE RELOCATED FROM OFF-SITE LOCATION PROVIDED BY ODNR. UTILIZE LARGER STONES 18"-24" IN HGT. AND 36"-48" IN LENGTH AS SEATING ELEMENTS. CONTRACTOR TO SAW-CUT EXISTING LOCKSTONE TO WITHIN 6" OF LISTED SIZE. HOLD BOTTOM OF STONE 2-3" BELOW ADJACENT HARDSCAPE. PROVIDE MINIMUM 8" OF ODOT 304 AGGREGATE BELOW BASE WHEN NOT LOCATED ON CONCRETE. HAMMER SHARP CORNERS. CONFIRM SEATING ELEMENT PRIOR TO RELOCATION WITH ODNR. ITEM SHALL COVER RELOCATION, PLACEMENT, AND BASE MATERIAL.

(2) LOCKSTONE VEHICLE BARRIER BY CONTRACTOR. STAGGER AND DRY-STACK 6" to 12" HGT. LOCKSTONE BEHIND CURB TO MATCH GRADES AS INDICATED IN PLANS. PROVIDE 8" OF COMPACTED ODOT 304 AGGREGATE BASE OVER COMPACTED SUBGRADE. ITEM SHALL COVER RELOCATION, PLACEMENT, AND BASE MATERIAL. SAW-CUT EXISTING LOCKSTONE TO WITHIN 6" OF LISTED SIZE. SEE DETAIL, THIS SHEET.

(3) EXISTING BIKE RACK TO BE SALVAGED AND RELOCATED BY CONTRACTOR. SURFACE MOUNT TO CONCRETE WITH NEW STAINLESS STEEL HARDWARE. PAINT HARDWARE TO MATCH BIKE RACK COLOR.

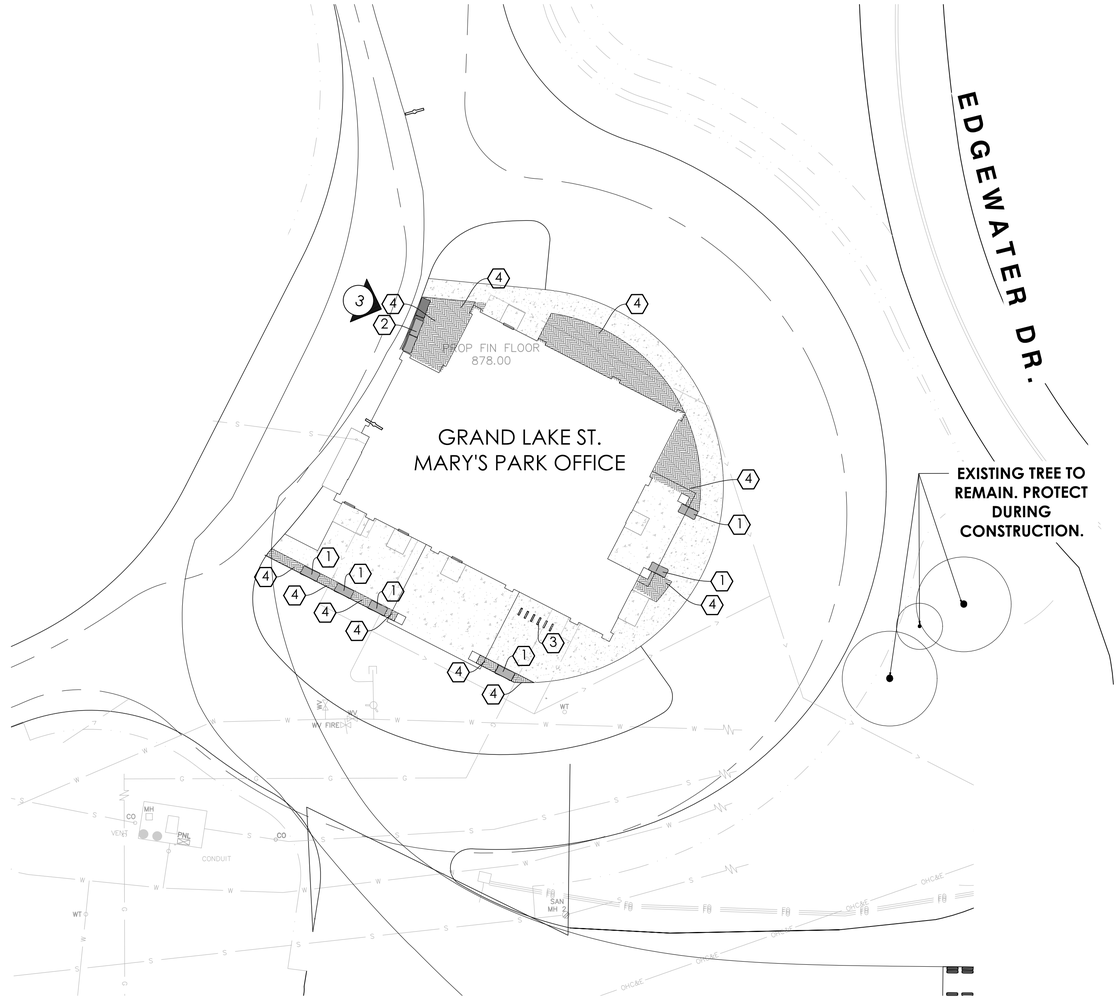
(4) LANDSCAPE BED AREA. CONTRACTOR TO PROVIDE MINIMUM DEPTH OF 18" DEPTH OF SOIL MIX. PLANTINGS TO BE COMPLETED BY OWNER.

CONTRACTOR TO UTILIZE EXISTING TOPSOIL STOCKPILE ON SITE. SPREAD TOPSOIL & AMEND WITH 2" DEPTH OF EPA RATED CLASS IV COMPOST AND TILLED TO A DEPTH OF 12" - MIX THOROUGHLY. THEN TOP-DRESS WITH 1" OF COMPOST OVER ENTIRE BED. STOCKPILE TOPSOIL SHALL BE AMENDED WITH CLASS 4 COMPOST. PER SOIL PROFILE DETAIL BELOW.

IF SOIL QUANTITIES ARE INSUFFICIENT, SUPPLEMENT WITH PLANTING SOIL PER SPECIFICATIONS.

HOLD TOP OF SOIL DOWN 3" FROM TOP OF CURB AND/OR ADJACENT PAVEMENT TO ALLOW FOR INSTALLATION OF MULCH BY OTHERS. PROVIDE POSITIVE DRAINAGE ACROSS ALL SURFACES.

GLSM - SOILS AND MATERIALS SUBSUMMARY		
Item	Quantity	Unit
BASE BID		
LOCKSTONE BENCH SEATS BY CONTRACTOR	6	EA
LOCKSTONE VEHICULAR BARRIER BY CONTRACTOR	8	EA
BIKE RACK RELOCATION BY CONTACTOR	1	EA
STOCKPILED TOP SOIL - PLACED & AMENDED BY OWNER	48	CY
MULCH BY OWNER	8	CY

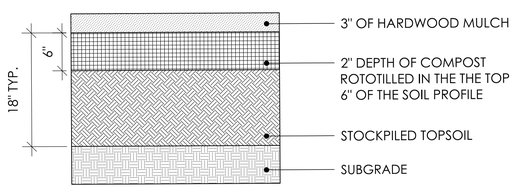


1 SOILS PLAN

Scale: 1" = 20' - 0"

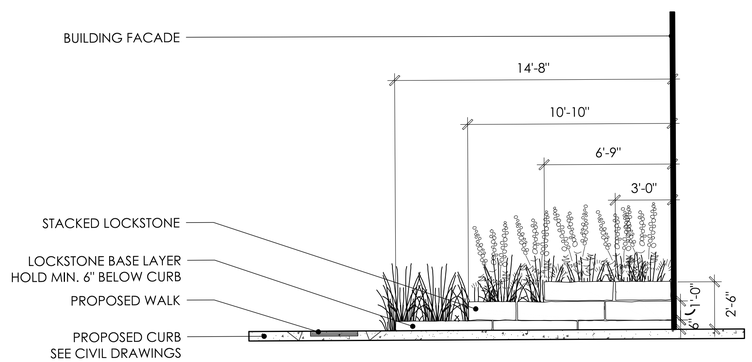
SOILS PLAN LEGEND:

PLANTING SOIL MIX
SEE SPECIFICATIONS



2 STOCKPILE TOPSOIL AMENDMENT DETAIL

Scale: 1" = 1' - 0"



3 LOCKSTONE VEHICULAR BARRIER

Scale: 1/4" = 1' - 0"

EDGE
33 South Michigan St. Suite 100
Toledo, Oh 43604
419.255.5335
www.edgela.com

CONSULTANTS

PROJECT NAME
GRAND LAKE ST.
MARYS STATE PARK
PARK OFFICE
RENOVATION

CLIENT
OHIO DEPT. OF
NATURAL RESOURCES

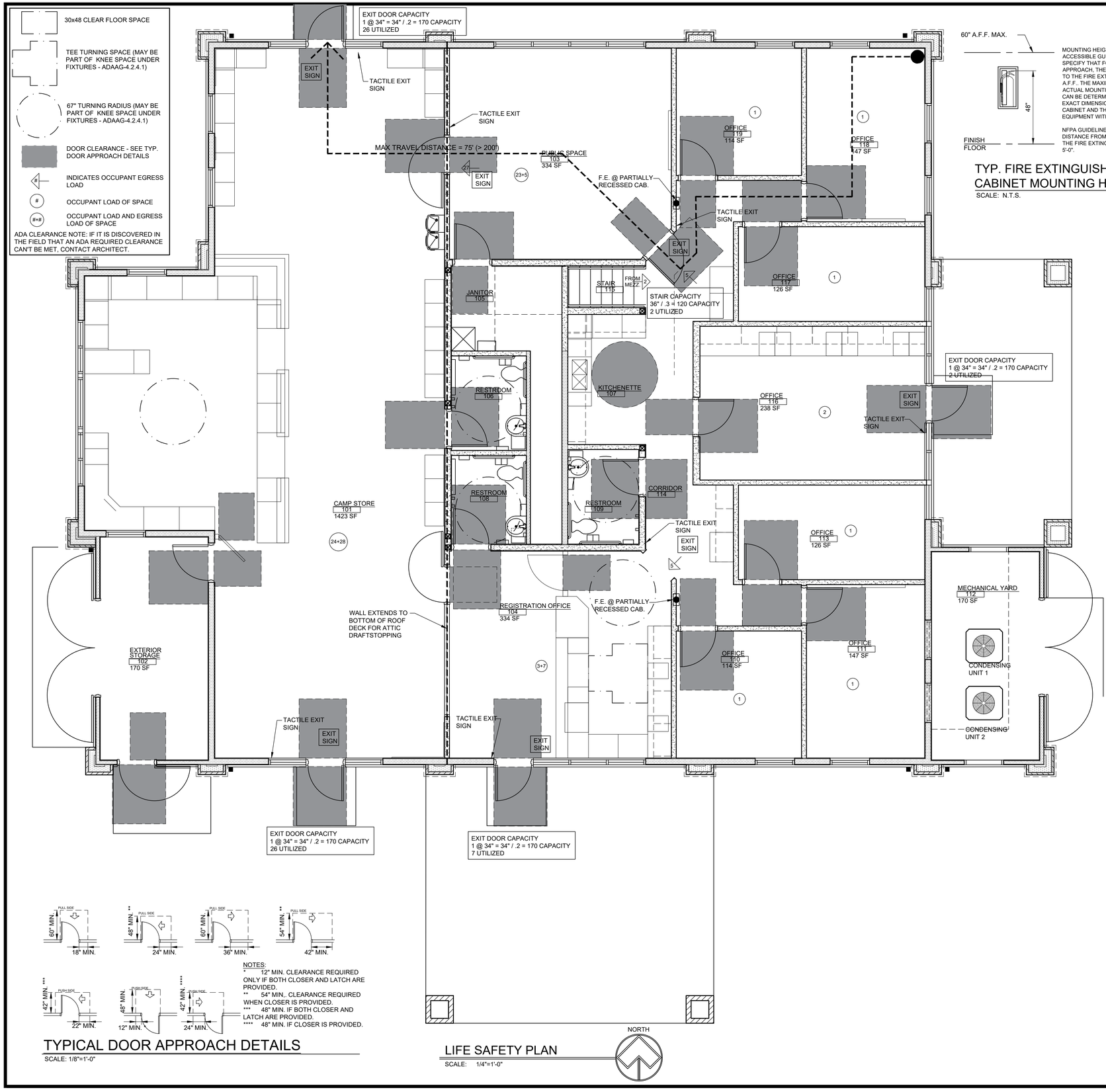
PROJECT NO. 250013
Date: 09-19-2025
Issued for: CONSTRUCTION DOCUMENTS

REVISIONS

Sheet Title
SOILS AND
MATERIALS PLAN

SEAL
STATE OF OHIO
TIMOTHY J. BOCKBRADER
861
REGISTERED LANDSCAPE ARCHITECT

Sheet Number
L1.01



TYP. FIRE EXTINGUISHER CABINET MOUNTING HEIGHT

SCALE: N.T.S.

NOTES:
* 12" MIN. CLEARANCE REQUIRED ONLY IF BOTH CLOSER AND LATCH ARE PROVIDED.
** 54" MIN., CLEARANCE REQUIRED WHEN CLOSER IS PROVIDED.
*** 48" MIN. IF BOTH CLOSER AND LATCH ARE PROVIDED.
**** 48" MIN. IF CLOSER IS PROVIDED.

TYPICAL DOOR APPROACH DETAILS

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

LIFE SAFETY PLAN

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

NORTH

CODE COMPLIANCE DATA (OBC 2024)

BUILDING SUMMARY: THIS PROJECT INCLUDES A NEW CAMP STORE AND OFFICES FOR ST. MARY'S STATE PARK CAMPGROUND.

PROJECT ADDRESS:
ST MARY'S STATE PARK CAMP STORE
834 EDGEWATER DRIVE
ST. MARY'S, OHIO 45885

APPLICABLE CODES: 2024 OBC, 2024 OMC, 2023 NEC, 2024 OPC, ANSI A117.1-2017, 2024 OHIO FIRE CODE

USE GROUPS (OBC CHAPTER 3):

M	
B	ACCESSORY OCCUPANCY
S	ACCESSORY OCCUPANCY
A-3	ACCESSORY OCCUPANCY

TYPE OF CONSTRUCTION (OBC CHAPTER 6):
V B

TOTAL BUILDING AREA (OBC 502):

4,469 SF	FIRST FLOOR
376 SF	MEZZANINE
4,845 SF	**TOTAL**

ALLOWABLE AREAS (OBC TABLE 506.2):
A = 9,000 ALLOWABLE SQUARE FEET
ACTUAL SQUARE FEET IS UNDER 9,000 SF

BUILDING HEIGHT:
40', 1 STORY ALLOWABLE

INTERIOR FINISH REQUIREMENTS: TABLE 803.11
- EXIT ENCLOSURES AND EXIT PASSAGEWAYS: CLASS A
- CORRIDORS: CLASS A
- ROOMS AND ENCLOSED SPACES : CLASS C

OCCUPANT LOAD
TOTAL 62 OCCUPANTS (SEE OCCUPANT CALCULATIONS)

PORTABLE FIRE EXTINGUISHERS:
MAXIMIZE TRAVEL DISTANCE TO PORTABLE FIRE EXTINGUISHER = 75'

FIRE ALARM SYSTEM:
PER 907.2.7 (M) A FIRE ALARM SYSTEM IS NOT REQUIRED FOR THIS BUILDING SINCE IT US UNDER 500 OCCUPANTS

MAXIMUM ALLOWABLE DEAD END: 1020.4
A = 20 FEET

EXITS:
PER SPACE

M
CAMP STORE = (52) 24 OCCUPANTS +28 EGRESS OCCUPANTS - 2 EXITS REQUIRED, 2 PROVIDED (TABLE 1006.2.1)

A-3
PUBLIC SPACE = (28) 23 OCCUPANTS + 5 EGRESS OCCUPANTS = 1 EXIT REQUIRED, 2 PROVIDED (TABLE 1006.2.1)

EXISTS PER FLOOR
FIRST FLOOR (TABLE 1006.3.1) - 2 EXITS REQUIRED, 5 PROVIDED

MEZZANINE (TABLE 1006.3.4(2) - 1 EXIT REQUIRED, 1 PROVIDED

MAXIMUM ALLOWABLE TRAVEL DISTANCE:1017.2
= 200'

STRUCTURAL DESIGN LOADS: SEE STRUCTURAL DRAWINGS

ACCESSIBILITY REQUIREMENTS:
DESIGN CONFORMS TO AND SHALL BE CONSTRUCTED TO CONFORM WITH OBC CHAPTER 11 AND ICC A117.1 (LATEST VERSION)

PLUMBING FIXTURES (OBC TABLE 2902.1):
M = 62 OCCUPANTS, 31 MALE AND 31 FEMALE

		W.C.	LAV.	D.F.	S.S.
M	REQUIRED	1 MEN, 1 WOMEN	1 MEN, 1 WOMEN	1	1
M	PROVIDED	3 MEN, 3 WOMEN	3 MEN, 3 WOMEN	1	1

REQUIRED FIRE-RESISTANCE RATING:
1020.2 - CORRIDORS
A,B,M,U - LESS THAN 30 WITH NO SPRINKLER = NOT REQUIRED

CONCEALED SPACE: 718
718.2.2 CONCEALED WALL SPACES: FIREBLOCKING TO BE INSTALLED VERTICALLY AT CEILING AND FLOOR LEVELS AND HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET.

718.4 DRAFTSTOPPING IN ATTICS: REQUIRED WHEN ATTIC IS OVER 3,000 SF

ACCESSIBLE ROUTE:
1104.4.4: WHERE TWO- STORY BUILDING HAS ONE STORY OR MEZZANINE WITH AN OCCUPANT LOAD OF FIVE OR FEWER PERSON THAT DOES NOT CONTAIN PUBLIC USE SPACE, THAT STORY OR MEZZANINE SHALL NOT BE REQUIRED TO BE CONNECTED TO AN ACCESSIBLE ROUTE TO THE STORY ABOVE OR BELOW.

MEZZANINES:
505.2.1 MEZZANINES SHALL NOT BE GREATER THAN ONE THIRD THE FLOOR AREA OF THAT ROOM IN WHICH THEY ARE LOCATED.

505.2.3 MEZZANINES SHALL BE OPEN TO THE ROOM BELOW. EXCEPT WHEN THE OCCUPANT LOAD OF THE MEZZANINE IS LESS THAN 10.

OCCUPANT CALCULATIONS

No.	ROOM	SIZE	USE	DENSITY	CALCULATION	OCCUPANTS	
101	CAMP STORE	1423 SF	M	60	1423 SF / 60 SF PER PERSON =	23.72	24
102	EXTERIOR STORAGE	170 SF	S	300	170 SF / 300 SF PER PERSON =	.57	1
103	PUBLIC SPACE	334 SF	A-3	15	334 SF / 15 SF PER PERSON =	22.26	23
104	REGISTRATION	334 SF	B	150	334 SF / 150 SF PER PERSON =	2.23	3
105	JANITOR				N/A	0	0
106	RESTROOM				N/A	0	0
107	KITCHENETTE				N/A	0	0
108	RESTROOM				N/A	0	0
109	RESTROOM				N/A	0	0
110	OFFICE	114 SF	B	150	114 SF / 150 SF PER PERSON =	.76	1
111	OFFICE	147 SF	B	150	147 SF / 150 SF PER PERSON =	.98	1
112	MECHANICAL YARD	170 SF		300	170 SF / 300 SF PER PERSON =	.57	1
113	OFFICE	126 SF	B	150	126 SF / 150 SF PER PERSON =	.84	1
114	CORRIDOR				N/A	0	0
115	STAIR				N/A	0	0
116	OFFICE	238 SF	B	150	238 SF / 150 SF PER PERSON =	1.59	2
117	OFFICE	128 SF	B	150	128 SF / 150 SF PER PERSON =	.85	1
118	OFFICE	147 SF	B	150	147 SF / 150 SF PER PERSON =	.98	1
119	OFFICE	114 SF	B	150	114 SF / 150 SF PER PERSON =	.76	1
201	STORAGE	133 SF	S	300	133 SF / 300 SF PER PERSON =	.44	1
202	MECHANICAL	136 SF	S	300	136 SF / 300 SF PER PERSON =	.45	1
TOTAL OCCUPANTS							62

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11087
REGISTERED ARCHITECT
KENT D. BUEHRER, LICENSE #11087
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AUGLAZE COUNTY, OHIO

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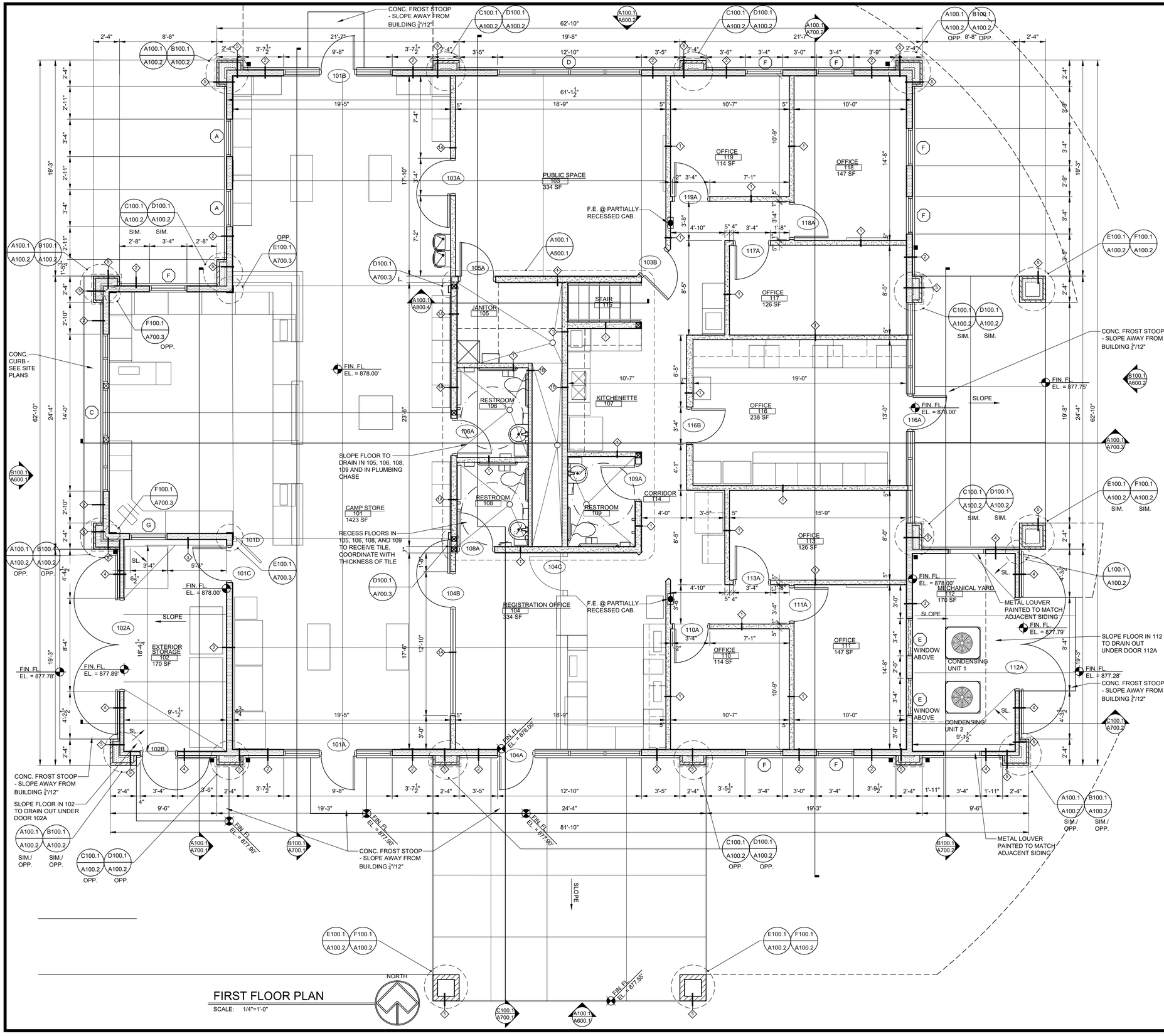
JOB NUMBER: 241224

CONSTRUCTION DOCUMENTS

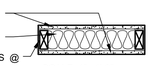
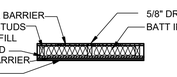
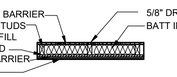
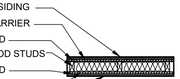
LS100.1



FIRST FLOOR PLAN

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

WALL TYPE LEGEND

WALL TYPE		DESCRIPTION
WALL TYPE 1	1	5/8" DRYWALL ON BOTH SIDES OF 2X4 OR 2X6 WOOD STUDS (SEE PLAN) @ 16" O.C. U.N.O. W/ 3" UNFACED BATT INSULATION. FROM FINISH FLOOR TO FLOOR OR BOTTOM OF ROOF TRUSS. SEE ROOM FINISH SCHEDULE FOR WALL FINISH. AT ALL LOCATIONS OF WALL TILE, TILE BACKER BOARD IS TO BE INSTALLED INSTEAD OF DRYWALL.  SCALE: 1"= 1'-0"
WALL TYPE 1A	1A	SAME CONSTRUCTION AS WALL TYPE 1, HOWEVER WALL IS FROM FINISH FLOOR TO BOTTOM OF ROOF DECK TO FORM AN ATTIC DRAFT STOP
WALL TYPE 1B	1B	SAME CONSTRUCTION AS WALL TYPE 1, HOWEVER DRYWALL IS ONLY ON ONE SIDE OF WALL AND NOT ON THE SHAFT SIDE OF WALL AND WALL EXTENDS FROM FINISH FLOOR TO BOTTOM OF FLOOR STRUCTURE ABOVE.
WALL TYPE 2	2	EXTERIOR WALL CONSISTING OF DRYWALL ON 4 MILL VAPOR BARRIER ON INTERIOR SIDE OF 2X6 WOOD STUDS @ 16" O.C. W/ BATT INSULATION BETWEEN STUDS AND COMPOSITE SIDING ON WEATHER BARRIER ON WOOD SHEATHING ON EXTERIOR SIDE OF STUDS.  UPPER EXTERIOR WALL CONSISTING OF DRYWALL ON 4 MILL VAPOR BARRIER ON INTERIOR SIDE OF 2X6 WOOD STUDS @ 16" O.C. W/ BATT INSULATION BETWEEN STUDS AND STONE VENEER SYSTEM (COMPOSED OF STONE ON ADHERING MORTAR OVER SCRATCH COAT ON METAL LATH ON DRAINAGE PLANE) ON WEATHER BARRIERS ON WOOD SHEATHING ON EXTERIOR SIDE OF STUDS. LOWER SCALE: 1"= 1'-0"
WALL TYPE 3	3	EXTERIOR WALL CONSISTING OF DRYWALL ON 4 MILL VAPOR BARRIER ON INTERIOR SIDE OF 2X6 WOOD STUDS @ 16" O.C. W/ BATT INSULATION BETWEEN STUDS AND COMPOSITE SIDING ON WEATHER BARRIER ON WOOD SHEATHING ON EXTERIOR SIDE OF STUDS.  SCALE: 1"= 1'-0"
WALL TYPE 4	4	SCREEN WALL WALL CONSISTING OF COMPOSITE SIDING ON WEATHER BARRIER ON WOOD SHEATHING ON BOTH SIDES OF PRESSURE TREAD 2X4 WOOD STUDS @ 16" O.C..  SCALE: 1"= 1'-0"
WALL TYPE 5	5	DECORATIVE COLUMN ON EXTERIOR WALL SYSTEM. SEE COLUMN DETAILS. NOTE AT LOCATION OF STONE VENEER SYSTEM THE THERE IS A DRAINAGE MAT, CEMENT BOARD, AND FLUID APPLIED MOISTURE BARRIER.

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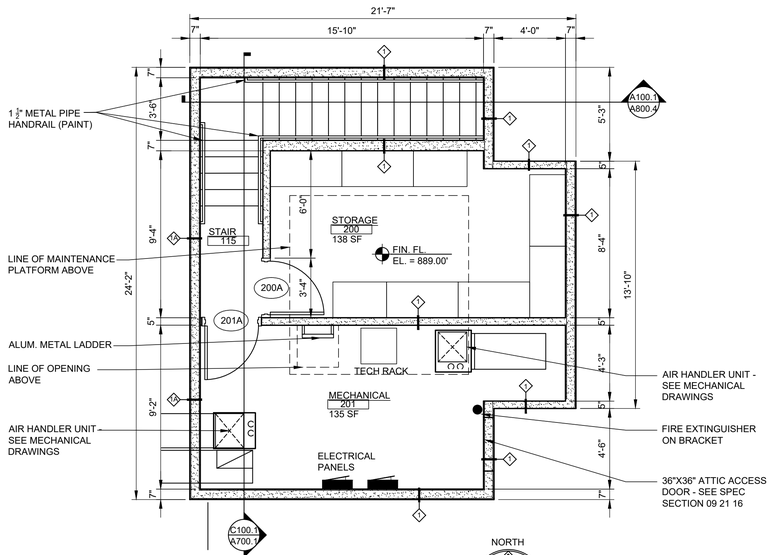
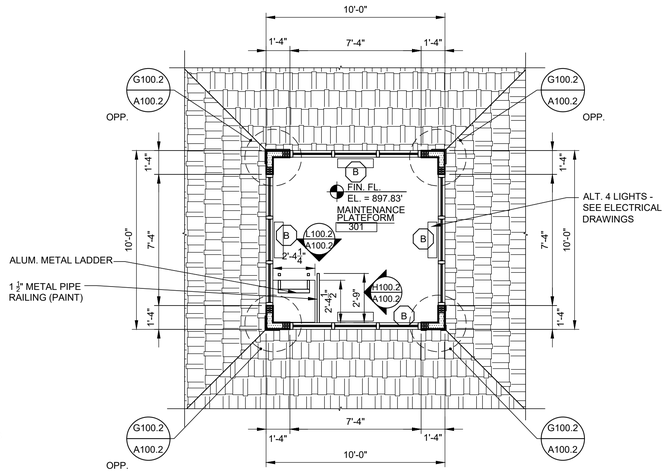


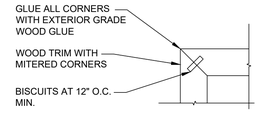
MEZZANINE PLAN

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



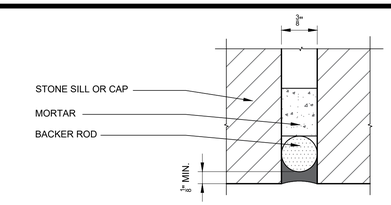
MAINTENANCE PLATFORM

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



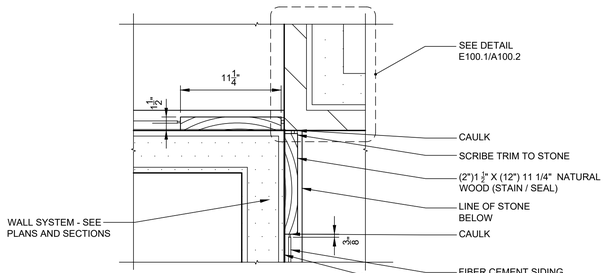
J100.2 A100.2 **TYP. WOOD TRIM DETAIL**

SCALE: N.T.S.



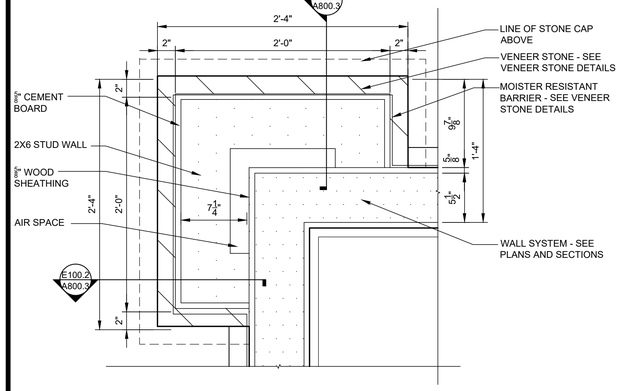
K100.2 A100.2 **TYPICAL STONE SILL / CAP CAULK DETAIL**

SCALE: N.T.S.



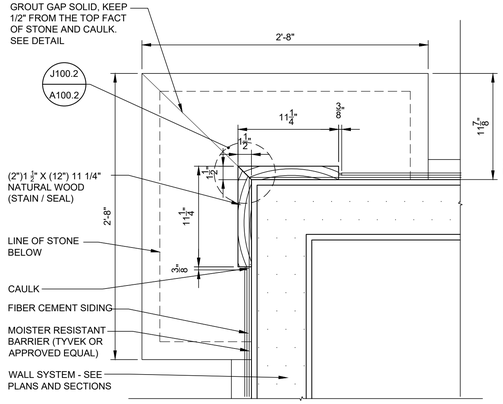
L100.1 A100.2 **WALL DETAIL**

SCALE: 1"=1'-0"



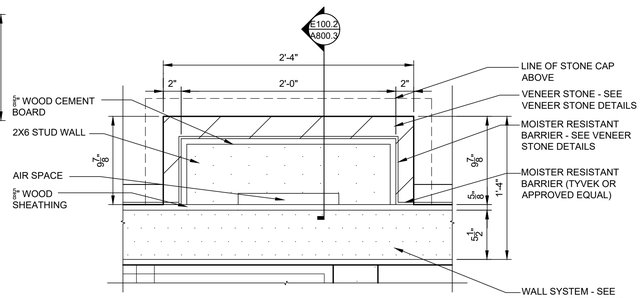
A100.1 A100.2 **LOWER WALL DETAIL**

SCALE: 1 1/2"=1'-0"



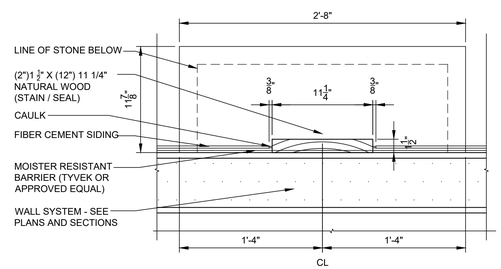
B100.1 A100.2 **UPPER WALL DETAIL**

SCALE: 1 1/2"=1'-0"



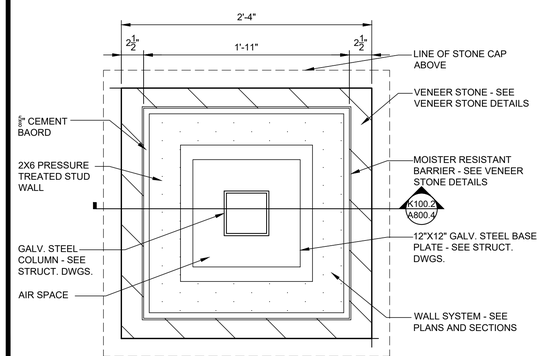
C100.1 A100.2 **LOWER WALL DETAIL**

SCALE: 1 1/2"=1'-0"



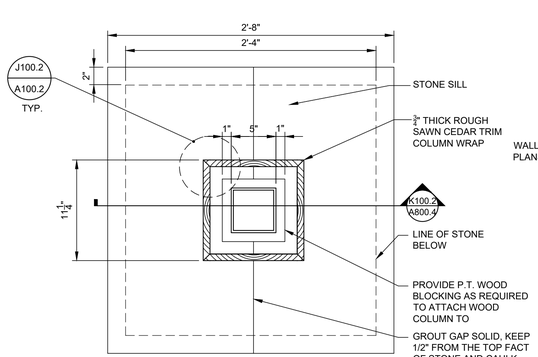
D100.1 A100.2 **UPPER WALL DETAIL**

SCALE: 1 1/2"=1'-0"



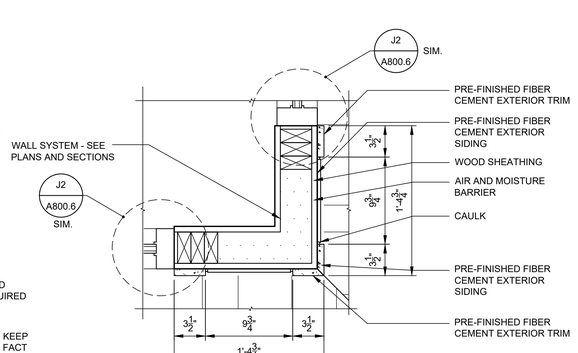
E100.1 A100.2 **LOWER WALL DETAIL**

SCALE: 1 1/2"=1'-0"



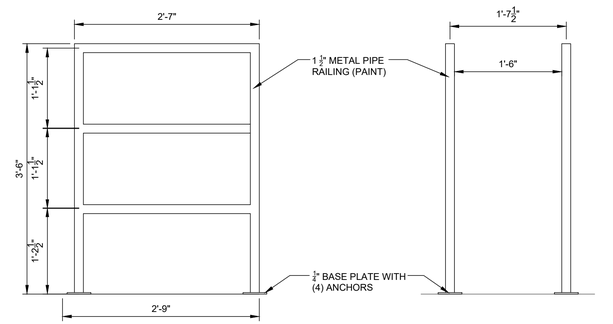
F100.1 A100.2 **UPPER WALL DETAIL**

SCALE: 1 1/2"=1'-0"



G100.2 A100.2 **WALL DETAIL**

SCALE: 1 1/2"=1'-0"



H100.2 A100.2 **RAILING DETAIL**

SCALE: 1"=1'-0"

L100.2 A100.2 **RAILING DETAIL**

SCALE: 1"=1'-0"

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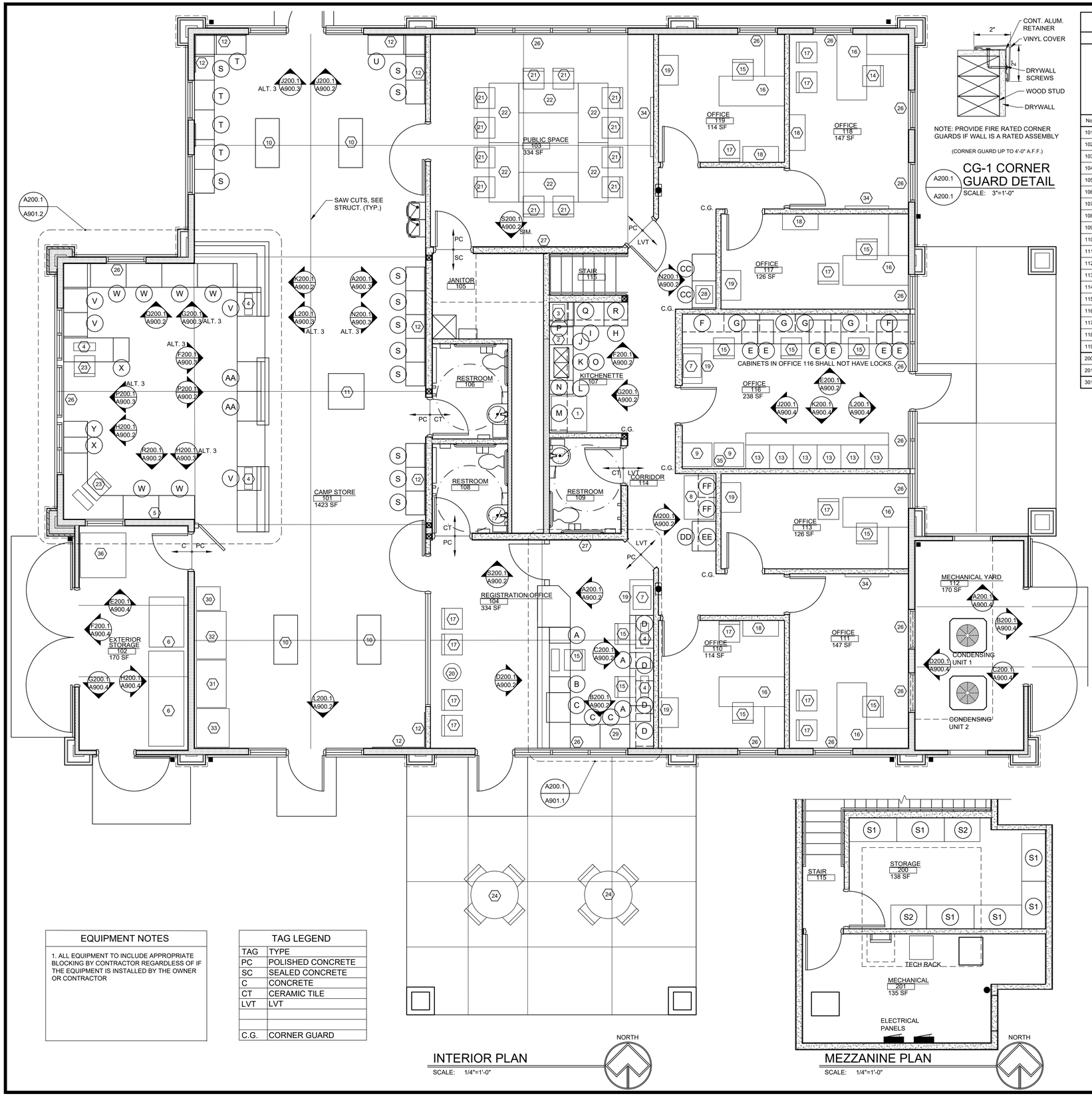
A100.2



INTERIOR PLAN

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

MEZZANINE PLAN

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

NOTE: PROVIDE FIRE RATED CORNER GUARDS IF WALL IS A RATED ASSEMBLY

(CORNER GUARD UP TO 4'-0" A.F.F.)

CG-1 CORNER GUARD DETAIL

A200.1 / A200.1

SCALE: 3"=1'-0"

ROOM FINISH SCHEDULE

ROOM		FLOOR							BASE						WALLS				CEILING							
		UNFINISHED PLYWOOD	POLISHED CONCRETE	SEALED CONCRETE	CONCRETE	CERAMIC TILE	LVT	RUBBER STAIR TREADS	DIMENSION RES. BASE	4" RUBBER BASE	6" RUBBER BASE	CERAMIC BASE	NO BASE	COMPOSITE TRIM	EPOXY PAINT	GYP. BOARD	PAINT	COMPOSITE SIDING	CERAMIC TILE (ALT. 1)	2x2 ACOUSTICAL TILE - A1	2x2 ACOUSTICAL TILE - A2	GYP. BOARD	PAINT	EPOXY PAINT	COMPOSITE SOFFIT	
No.	NAME	PW	PC	SC	C	CT	LVT	RST	DB1	RB1	RB2	CB	N	CT	EP	GP	P	CS	CT	A1	A2	GP	P	EP	CS	HGT.
101	CAMP STORE		PC						DB1							GP	P					GP	P			11'-11 3/8" VARIES
102	EXTERIOR STORAGE				C									CT			P	CS					P		CS	VARIES
103	PUBLIC SPACE		PC						DB1							GP	P					GP	P			11'-11 3/8"
104	REGISTRATION OFFICE		PC						DB1							GP	P					GP	P			11'-11 3/8"
105	JANITOR			SC							RB2				EP	GP						GP	P			VARIES
106	RESTROOM					CT						CB			EP	GP			CT		A2					8'-6"
107	KITCHENETTE						LVT			RB1					EP	GP				A1						8'-6"
108	RESTROOM					CT						CB			EP	GP			CT		A2					8'-6"
109	RESTROOM					CT						CB			EP	GP			CT		A2					8'-6"
110	OFFICE						LVT			RB1						GP	P				A1						9'-4"
111	OFFICE						LVT			RB1						GP	P				A1						9'-4"
112	MECHANICAL YARD				C									CT			P	CS					P		CS	8'-0"
113	OFFICE						LVT			RB1						GP	P				A1						9'-4"
114	CORRIDOR						LVT			RB1						GP	P				A1						9'-4"
115	STAIR						LVT	RST		RB1						GP	P					GP	P			VARIES
116	OFFICE						LVT			RB1						GP	P				A1						9'-4"
117	OFFICE						LVT			RB1						GP	P				A1						9'-4"
118	OFFICE						LVT			RB1						GP	P				A1						9'-4"
119	OFFICE						LVT			RB1						GP	P				A1						9'-4"
200	STORAGE						LVT			RB1						GP	P					GP	P				7'-9 3/8"
201	MECHANICAL						LVT			RB1						GP	P					GP	P				7'-9 3/8"
301	MAINTENANCE PLATFORM	PW											N			GP	P					GP	P			VARIES

EQUIPMENT LEGEND

TAG	DESCRIPTION	SUPPLIED BY	INSTALLED BY	NOTES
1	REFRIGERATOR	CONTRACTOR	CONTRACTOR	SPEC SECTION 11 31 13
2	MICROWAVE	CONTRACTOR	CONTRACTOR	SPEC SECTION 11 31 13
3	COFFEE POT	OWNER	OWNER	
4	P.O.S.	OWNER	OWNER	
5	PARK MAP	CONTRACTOR	CONTRACTOR	SPEC SECTION 10 14 00, GRAPHIC PROVIDED TO CONTRACTOR BY OWNER 73" X 36"
6	ICE MACHINE	OTHERS	OTHERS	
7	DESKTOP PRINTER	OWNER	OWNER	
8	FREESTANDING COPIER	OWNER	OWNER	
9	GUN SAFE	OWNER	OWNER	30" X 24" X 60"H, (1) EXISTING & (1) NEW
10	RETAIL SHELVING	FF&E PACKAGE	FF&E PACKAGE	
11	RETAIL SHELVING	FF&E PACKAGE	FF&E PACKAGE	
12	SLATWALL	CONTRACTOR	CONTRACTOR	SPEC SECTION 10 56 17, LOW STORAGE UNDER ALT. 3 - SPEC SECTION 12 30 00 / DWG. 900.3
13	LAW ENFORCEMENT LOCKERS	CONTRACTOR	CONTRACTOR	SPEC SECTION 10 51 13
14	TASK CHAIR	FF&E PACKAGE	FF&E PACKAGE	
15	TASK CHAIR (EXISTING)	OWNER	OWNER	
16	L-SHAPED DESK	FF&E PACKAGE	FF&E PACKAGE	
17	GUEST CHAIR	FF&E PACKAGE	FF&E PACKAGE	
18	BOOKCASE	FF&E PACKAGE	FF&E PACKAGE	
19	LATERAL FILE	FF&E PACKAGE	FF&E PACKAGE	
20	SIDE TABLE	FF&E PACKAGE	FF&E PACKAGE	
21	STACK CHAIR	FF&E PACKAGE	FF&E PACKAGE	
22	RECTANGULAR ACTIVITY TABLE	FF&E PACKAGE	FF&E PACKAGE	
23	TASK STOOL	FF&E PACKAGE	FF&E PACKAGE	
24	PICNIC TABLE W/ ATTACHED CHAIRS	FF&E PACKAGE	FF&E PACKAGE	
25				
26	MANUAL WINDOW SHADES	CONTRACTOR	CONTRACTOR	SPEC SECTION 12 49 40
27	PHOTO FRAME RAIL/HANGING SYSTEM	CONTRACTOR	CONTRACTOR	SPEC SECTION 10 11 00
28	SAFE	OWNER	OWNER	LOCATED INSIDE TALL CABINET
29	HIN STAMPER SET	OWNER	OWNER	
30	BAIT FRIDGE	OWNER	OWNER	
31	COLD FOOD FRIDGE	OWNER	OWNER	
32	COLD FOOD FREEZER	OWNER	OWNER	
33	VENDING MACHINE	OTHERS	OTHERS	
34	TV	FF&E PACKAGE	FF&E PACKAGE	
35	BODY CAM AND TASER CHARGING STATION	OWNER	OWNER	CONTRACTOR TO PROVIDE POWER/DATA, UNITS TO SET ATOP THE GUN SAFE(S)
36	FIREWOOD PALLET	OWNER	OWNER	

EQUIPMENT NOTES

1. ALL EQUIPMENT TO INCLUDE APPROPRIATE BLOCKING BY CONTRACTOR REGARDLESS OF IF THE EQUIPMENT IS INSTALLED BY THE OWNER OR CONTRACTOR

TAG LEGEND

TAG	TYPE
PC	POLISHED CONCRETE
SC	SEALED CONCRETE
C	CONCRETE
CT	CERAMIC TILE
LVT	LVT
C.G.	CORNER GUARD

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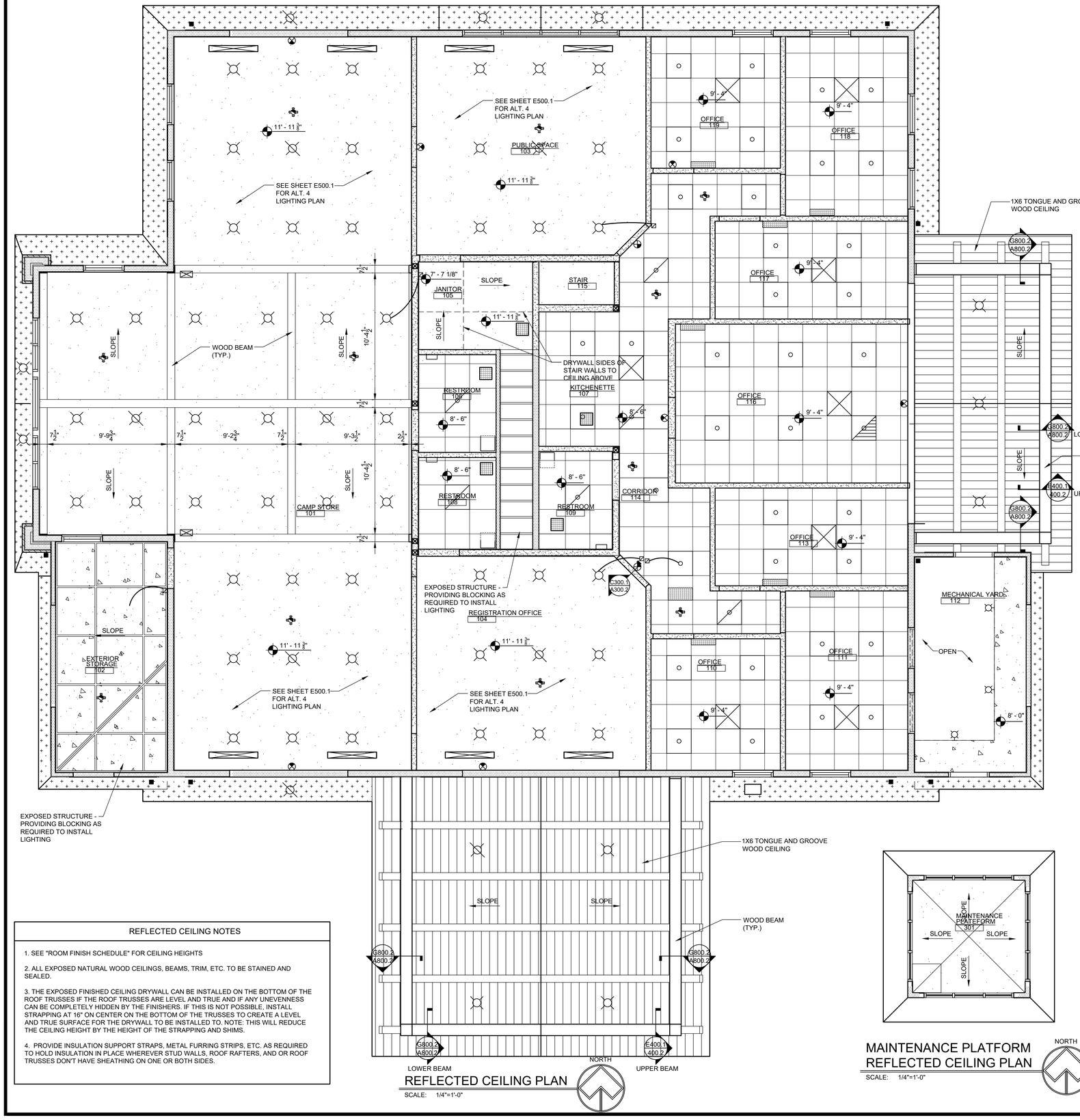
A200.1



REFLECTED CEILING NOTES

1. SEE "ROOM FINISH SCHEDULE" FOR CEILING HEIGHTS

2. ALL EXPOSED NATURAL WOOD CEILINGS, BEAMS, TRIM, ETC. TO BE STAINED AND SEALED.

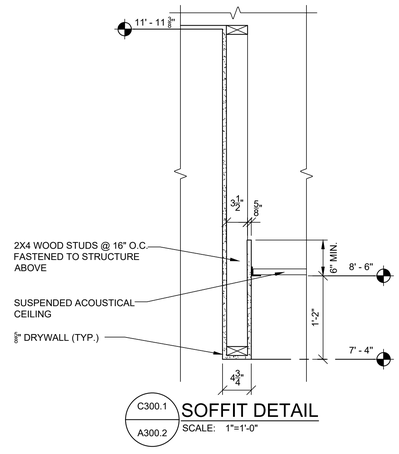
3. THE EXPOSED FINISHED CEILING DRYWALL CAN BE INSTALLED ON THE BOTTOM OF THE ROOF TRUSSES IF THE ROOF TRUSSES ARE LEVEL AND TRUE AND IF ANY UNEVENNESS CAN BE COMPLETELY HIDDEN BY THE FINISHERS. IF THIS IS NOT POSSIBLE, INSTALL STRAPPING AT 16" ON CENTER ON THE BOTTOM OF THE TRUSSES TO CREATE A LEVEL AND TRUE SURFACE FOR THE DRYWALL TO BE INSTALLED TO. NOTE: THIS WILL REDUCE THE CEILING HEIGHT BY THE HEIGHT OF THE STRAPPING AND SHIMS.

4. PROVIDE INSULATION SUPPORT STRAPS, METAL FURRING STRIPS, ETC. AS REQUIRED TO HOLD INSULATION IN PLACE WHEREVER STUD WALLS, ROOF RAFTERS, AND OR ROOF TRUSSES DON'T HAVE SHEATHING ON ONE OR BOTH SIDES.

REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"

MAINTENANCE PLATFORM
REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"

MEZZANINE
REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"



C300.1 A300.2 SOFFIT DETAIL
SCALE: 1"=1'-0"

REFLECTED CEILING LEGEND

		WAP	WIRELESS ACCESS
	1' x 4' LED LIGHT FIXTURE	CLK	DIGITAL CLOCK
	2'X 2' LED LIGHT FIXTURE		SPRINKLER HEAD (EXACT LOCATION MAY VARY)
	LED DOWN LIGHT FIXTURE -SEE ELECTRICAL LIGHTING PLAN		SPRINKLER ABOVE CEILING PANELS
	EXIT SIGNS		UPRIGHT PENDANT SPRINKLER W/ WIRE GUARD (EXACT LOCATION MAY VARY)
	OCCUPANCY SENSOR OR		AIR SUPPLY GRILLE
	PHOTOSENSOR		LINEAR AIR SUPPLY GRILLE
SM	CEILING MOUNTED SMOKE DETECTOR		RETURN AIR GRILLE
	SUSPENDED CEILING		RADIANT CEILING PANELS
			SECURITY CAMERA MOUNTED IN CEILING
	DRYWALL CEILING	A	SECURITY SYSTEM SOUNDER
		F	FIRE ALARM HORN AND STROBE
	FIBER CEMENT PANEL CEILING		SUSPENDED LIGHT FIXTURE ALT. 4 - SEE ELECTRICAL LIGHTING PLANS
	1X6 TONGUE AND GROOVE WOOD CEILING (STAIN AND SEAL)		
	PERFORATED METAL SOFFIT PANELS		

STATE OF OHIO
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GLSM PARK OFFICE FOR OHIO DEPARTMENT OF NATURAL RESOURCES DNR-250013

AUGLAIZE COUNTY, OHIO

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REVISION SCHEDULE

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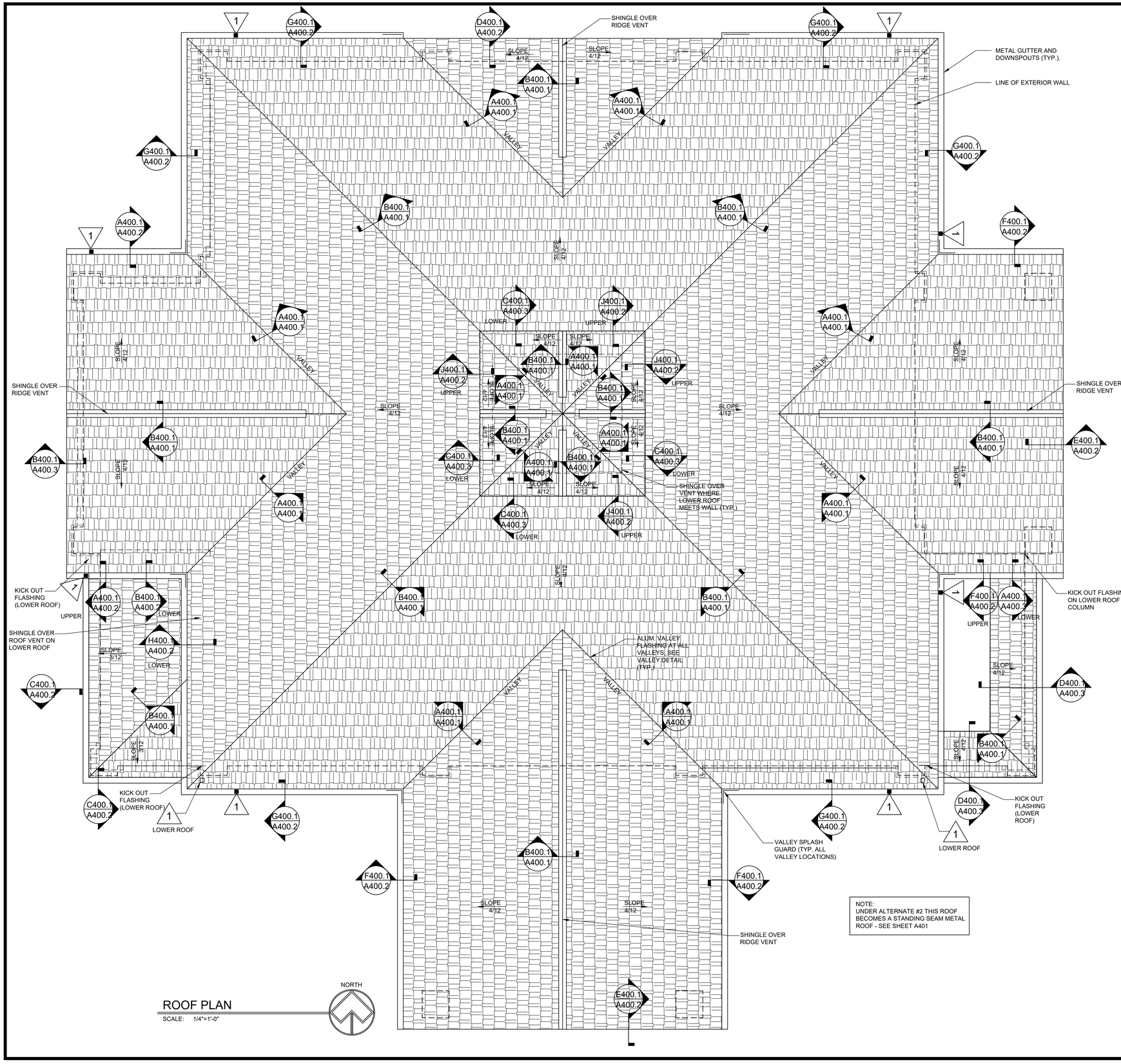
JOB NUMBER: 241224

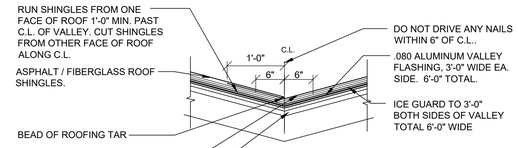
CONSTRUCTION DOCUMENTS

A300.1



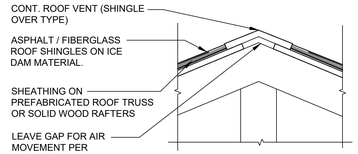
ROOF PLAN

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



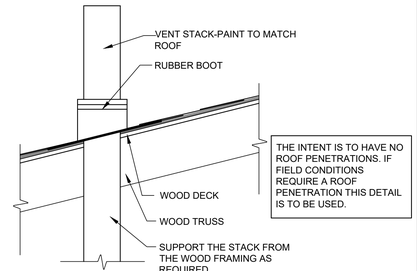
A400.1 / A400.1 VALLEY DETAIL

SCALE: N.T.S.



B400.1 / A400.1 ROOF DETAIL

SCALE: 1 1/2"=1'-0"



D400.1 / A400.1 TYP. ROOF PENETRATION DETAIL

SCALE: N.T.S.

ROOF NOTES

1. PROVIDE INTERMETALIC SEPARATION WHERE REQ'D
2. ALL FASTENERS THAT PENETRATE FLASHING TO BE SELF SEALING TYPE.
3. ALL FASTENERS, INCLUDING BUT NOT LIMITED TO RIVETS AND SCREWS, ARE TO BE STAINLESS STEEL AND COLORED TO MATCH ADJACENT METAL COLOR.
4. KEEP ALL ROOF PENETRATIONS TO A MINIMUM
5. COORDINATE DOWNSPOUT LOCATIONS WITH ELEVATIONS
6. ENTIRE AREA OF ROOF CALLED OUT TO RECEIVE ASPHALT SHINGLES IS TO RECEIVE ICE BARRIER MATERIAL FOR ENTIRE UNDERLAYMENT (SEE SPECIFICATIONS)
7. ICE GUARD TO BE APPROVED BY THE ROOFING MANUFACTURER.
8. ALL ROOF SHEATHING TO BE MINIMUM $\frac{3}{4}$" PLYWOOD OR OSB EXTERIOR APA-STRUCTURAL GRADE. USE 8d COMMON NAILS AT 6" ON CETER AT EDGES AND 12" ON CENTER AT INTERMEDIATES.
9. ALL WALL SHEATHING TO BE MINIMUM 5/8" PLYWOOD OR OSB EXTERIOR APA-STRUCTURAL GRADE. USE 8D COMMON NAILS AT 6" ON CETER AT EDGES AND 12" ON CENTER AT INTERMEDIATES.
10. R-VALUE OF ROOF INSULATION SHALL BE R-38
11. FIBER CEMENT SIDING TO BE A MINIMUM 2" ABOVE ROOF SURFACE, OR PER MANUFACTURER'S REQUIREMENTS.
12. ALL EXPOSED FLASHING TO MATCH ROOF COLOR
13. PROVIDE VALLEY SPLASH GUARDS AT ALL VALLEY LOCATIONS AND KICK OUT FLASHING AT THE LOW END OF ALL ROOF TO SIDE WALL SLOPES.
14. INSTALL METAL MESH GUTTER GUARDS ON ALL GUTTERS.

ROOF HATCH LEGEND

	30 YEAR ASPHALT SHINGLE ON ICE DAM MATERIAL OVER 3/4" WOOD DECK (SEE STRUCT.) ICE DAM MATERIAL TO BE OVER ENTIRE FIELD OF ROOF.
	UNDER ALTERNATE #2 - 22 GAUGE STANDING SEAM METAL ROOFING PANELS ON ICE GUARD ON $\frac{3}{4}$" WOOD DECK. ICE DAM MATERIAL TO BE OVER ENTIRE FIELD OF ROOF. SEE SHEET A401.1.

ROOF TAGS

1	5" DOWNSPOUT - COORDINATE WITH ELEVATIONS AND SITE PLAN. PROVIDE DOWNSPOUT STRAPS MINIMUM 8'-0" O.C.		

STATE OF OHIO
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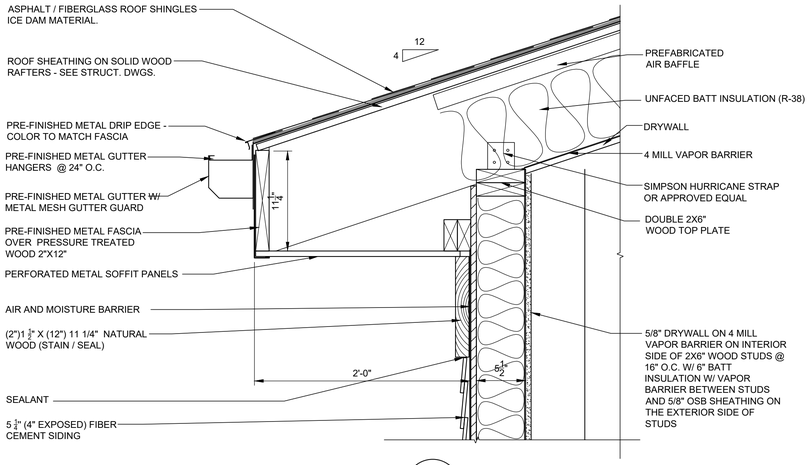
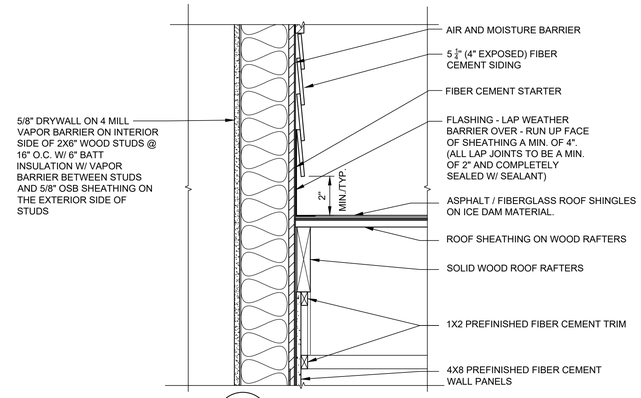
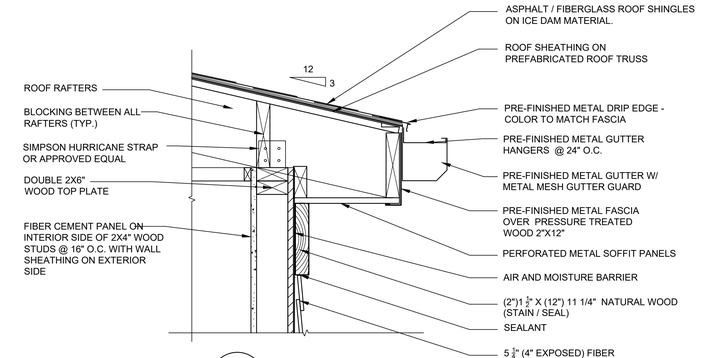
A400.1



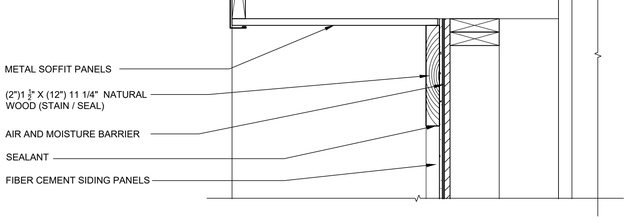
A400.1 / A400.2 ROOF DETAIL
SCALE: 1 1/2"=1'-0"



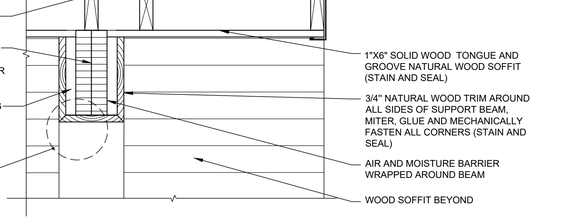
B400.1 / A400.2 ROOF DETAIL
SCALE: 1 1/2"=1'-0"



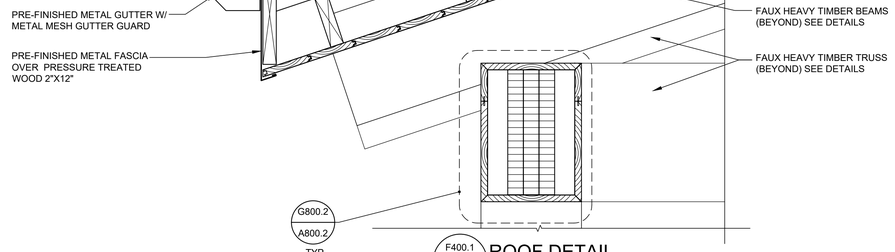
C400.1 / A400.2 ROOF DETAIL
SCALE: 1 1/2"=1'-0"



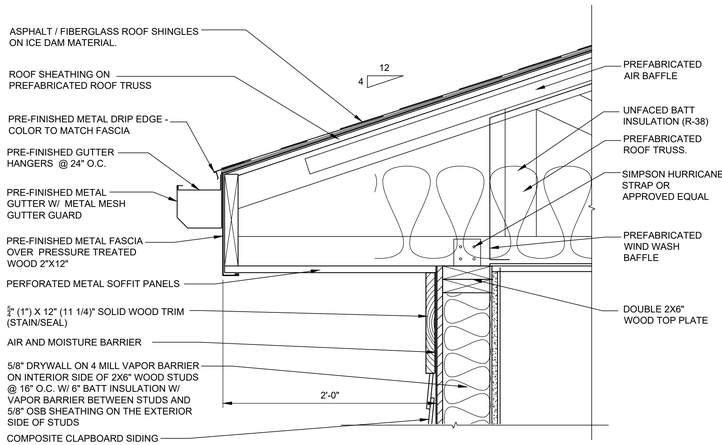
D400.1 / A400.2 ROOF DETAIL
SCALE: 1 1/2"=1'-0"



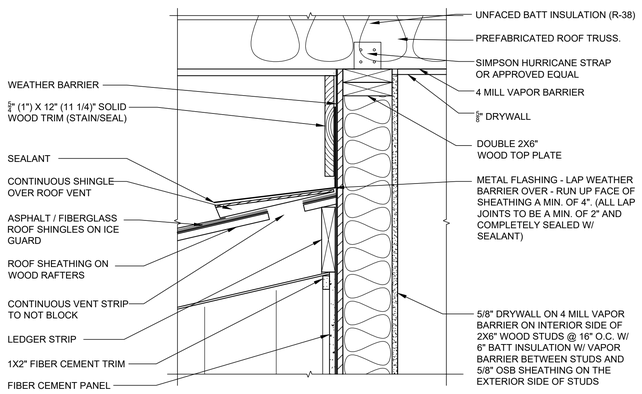
E400.1 / A400.2 ROOF DETAIL
SCALE: 1 1/2"=1'-0"



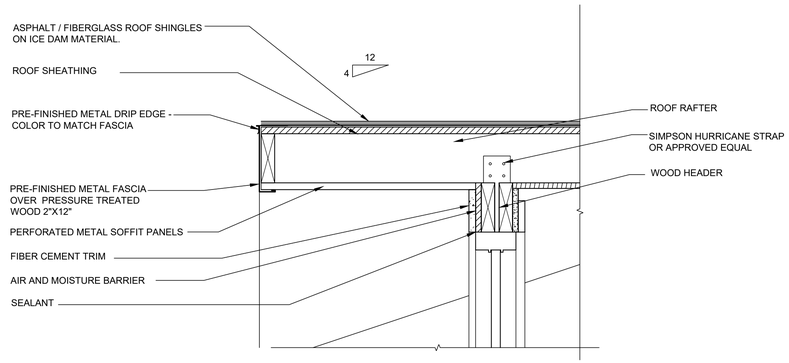
F400.1 / A400.2 ROOF DETAIL
SCALE: 1 1/2"=1'-0"



G400.1 / A400.2 ROOF DETAIL
SCALE: 1 1/2"=1'-0"



H400.1 / A400.2 ROOF DETAIL
SCALE: 1 1/2"=1'-0"



J400.1 / A400.2 ROOF DETAIL
SCALE: 1 1/2"=1'-0"

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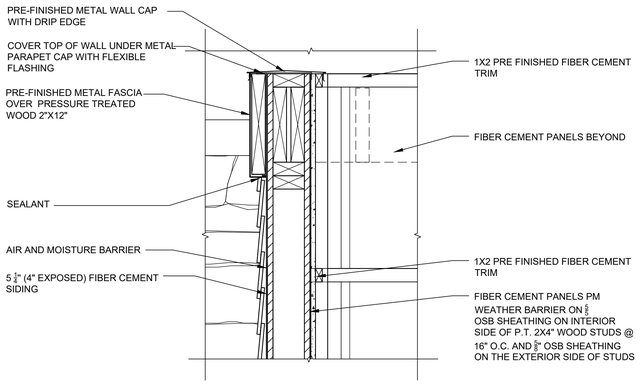
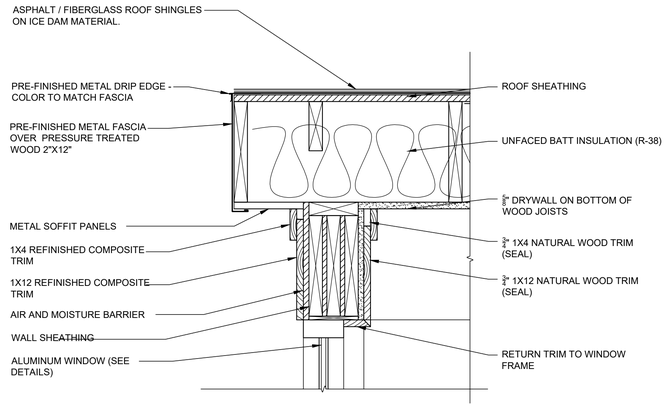
CONSTRUCTION DOCUMENTS

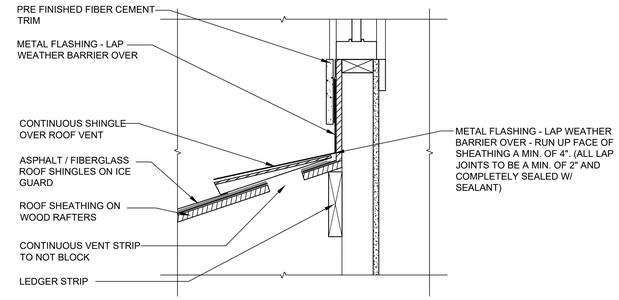
A400.2



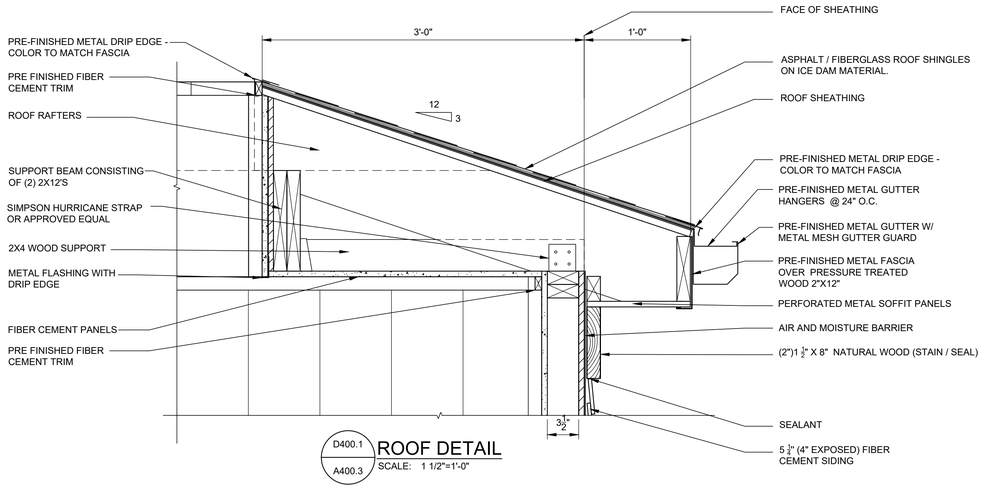
A400.1 / A400.3 **ROOF DETAIL**
SCALE: 1 1/2"=1'-0"



B400.1 / A400.3 **ROOF DETAIL**
SCALE: 1 1/2"=1'-0"



C400.1 / A400.3 **ROOF DETAIL**
SCALE: 1 1/2"=1'-0"



D400.1 / A400.3 **ROOF DETAIL**
SCALE: 1 1/2"=1'-0"

ROOF DETAIL NOTES

1 PROVIDE INTERMETALIC SEPARATION WHERE REQ'D

2. ALL FASTENERS THAT PENETRATE FLASHING TO BE SELF SEALING TYPE.

3. ALL ROOF CURBS ON SLOPES OVER 1/4"/12" TO HAVE BOTTOMS WHICH MATCH THE ROOF SLOPE & TOPS WHICH ARE LEVEL.

4. PROVIDE ROOF SADDLES ON THE UP SLOPE SIDE OF CURBS.

5. PROVIDE INSULATION SUPPORT STRAPS, METAL FURRING STRIPS, ETC. AS REQUIRED TO HOLD INSULATION IN PLACE WHEREVER STUD WALLS DON'T HAVE SHEATHING ON ONE OR BOTH SIDES.

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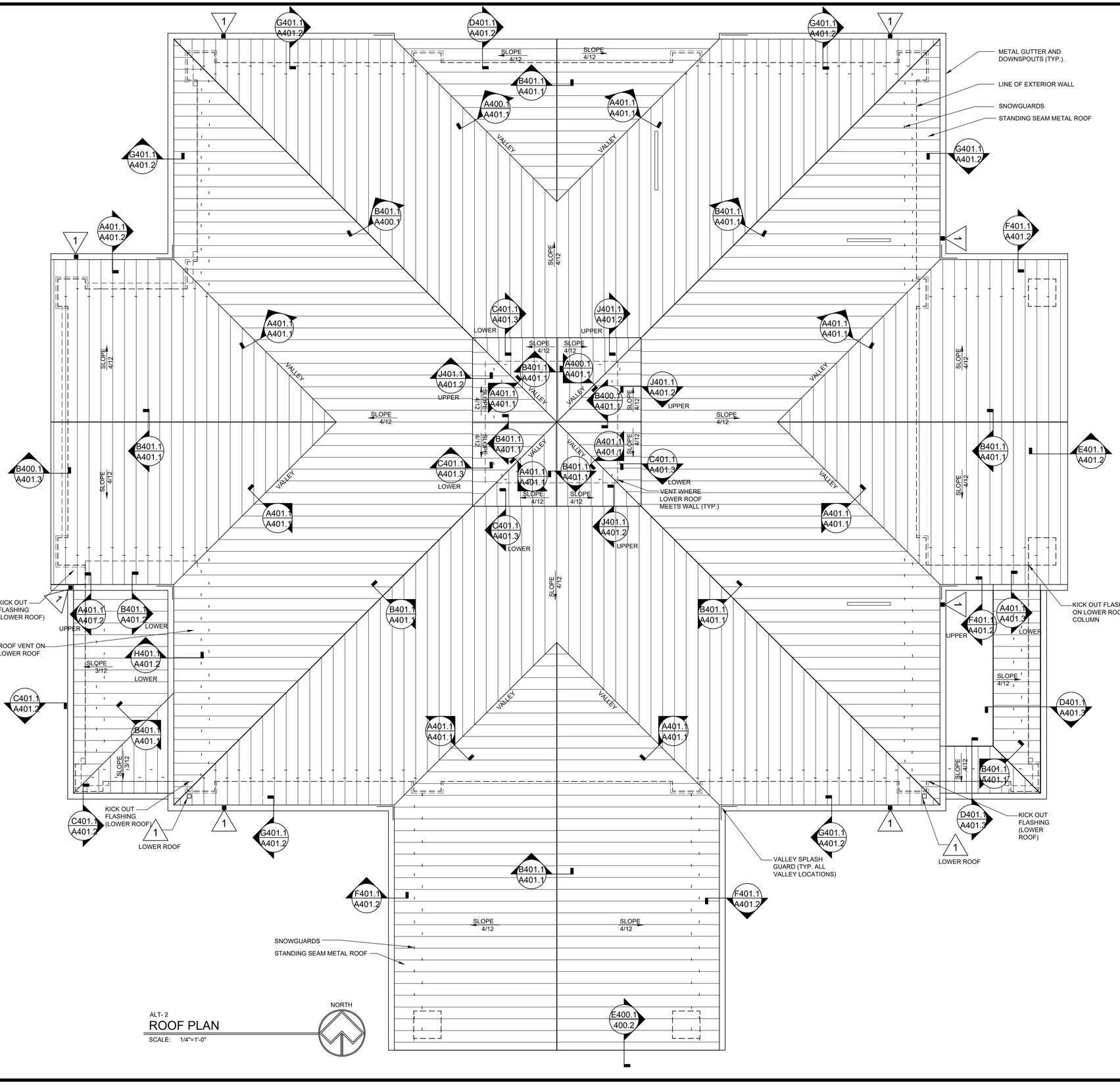
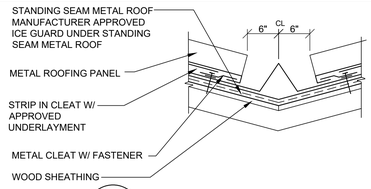
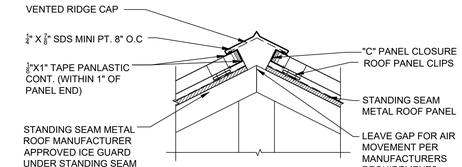
A400.3



ALT- 2
ROOF PLAN
SCALE: 1/4"=1'-0"



A401.1 / A401.1 ALTERNATE 2 VALLEY DETAIL
SCALE: N.T.S.



B401.1 / A401.1 ALTERNATE 2 RIDGE DETAIL
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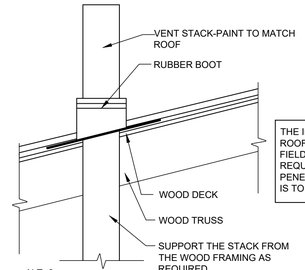

ALT- 2
D401.1 / A401.1 TYP. ALT. 2 ROOF PENETRATION DETAIL
SCALE: N.T.S.

ROOF NOTES

1. PROVIDE INTERMETALIC SEPARATION WHERE REQ'D
2. ALL FASTENERS THAT PENETRATE FLASHING TO BE SELF SEALING TYPE.
3. ALL FASTENERS, INCLUDING BUT NOT LIMITED TO RIVETS AND SCREWS, ARE TO BE STAINLESS STEEL AND COLORED TO MATCH ADJACENT METAL COLOR.
4. KEEP ALL ROOF PENETRATIONS TO A MINIMUM
5. COORDINATE DOWNSPOUT LOCATIONS WITH ELEVATIONS
6. ENTIRE AREA OF ROOF CALLED OUT TO RECEIVE ASPHALT SHINGLES IS TO RECEIVE ICE BARRIER MATERIAL FOR ENTIRE UNDERLAYMENT (SEE SPECIFICATIONS)
7. ICE GUARD TO BE APPROVED BY THE ROOFING MANUFACTURER.
8. ALL ROOF SHEATHING TO BE MINIMUM ¾" PLYWOOD OR OSB EXTERIOR APA-STRUCTURAL GRADE. USE 8d COMMON NAILS AT 6" ON CETER AT EDGES AND 12" ON CENTER AT INTERMEDIATES.
9. ALL WALL SHEATHING TO BE MINIMUM 5/8" PLYWOOD OR OSB EXTERIOR APA-STRUCTURAL GRADE. USE 8D COMMON NAILS AT 6" ON CETER AT EDGES AND 12" ON CENTER AT INTERMEDIATES.
10. R-VALUE OF ROOF INSULATION SHALL BE R-38
11. FIBER CEMENT SIDING TO BE A MINIMUM 2" ABOVE ROOF SURFACE, OR PER MANUFACTURER'S REQUIREMENTS.
12. ALL EXPOSED FLASHING TO MATCH ROOF COLOR
13. ALL ROOF PANELS SHALL BE CONTINUOUS FROM EAVE TO RIDGE. LAP JOINTS WILL NOT BE ACCEPTED.
14. LOCATE ALL ROOF CURBS, EXHAUST HOODS, VENTS, ETC. TO MISS STANDING SEAMS.
15. COORDINATE ALL FLASHING WITH STANDING SEAM METAL ROOF MANUFACTURE'S WARRANTY REQUIREMENTS.
16. ICE GUARD TO BE APPROVED BY THE STANDING SEAM ROOF MANUFACTURE.
17. PROVIDE VALLEY SPLASH GUARDS AT ALL VALLEY LOCATIONS AND KICK OUT FLASHING AT THE LOW END OF ALL ROOF TO SIDE WALL SLOPES.
18. INSTALL METAL MESH GUTTER GUARDS ON ALL GUTTERS.

ROOF HATCH LEGEND

UNDER ALTERNATE #2 - 22 GAUGE STANDING SEAM METAL ROOFING PANELS ON ICE GUARD ON 3/4" WOOD DECK. ICE DAM MATERIAL TO BE OVER ENTIRE FIELD OF ROOF.

ROOF TAGS

1	6" DOWNSPOUT - COORDINATE WITH ELEVATIONS AND SITE PLAN. PROVIDE DOWNSPOUT STRAPS MINIMUM 8'-0" O.C.		

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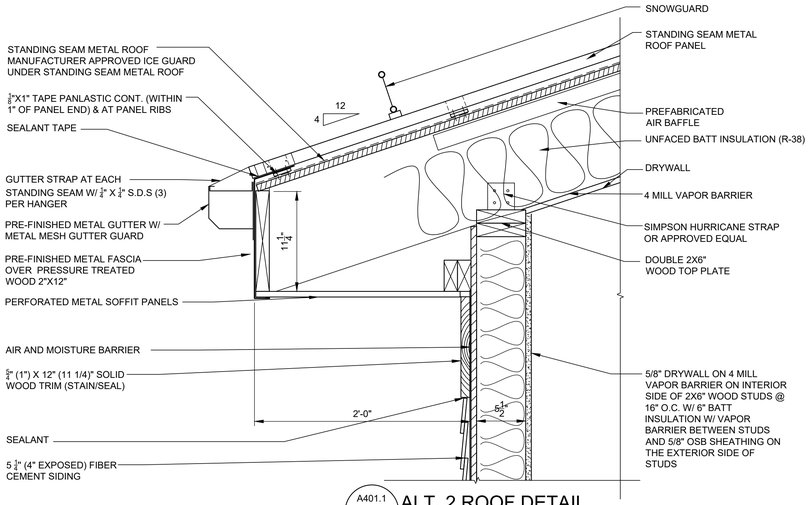
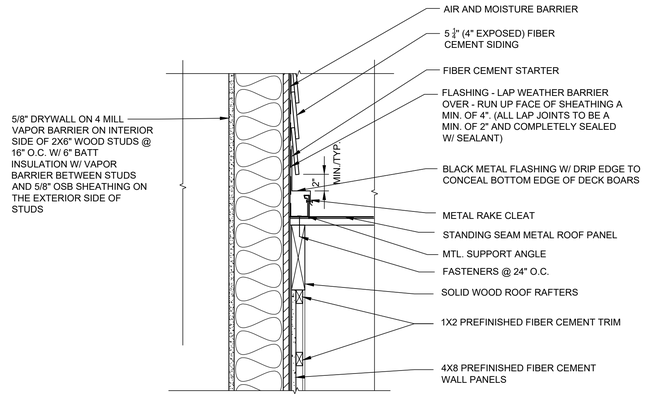
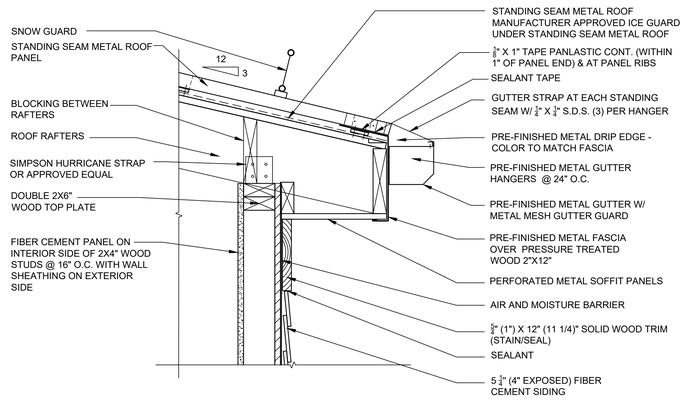
A401.1



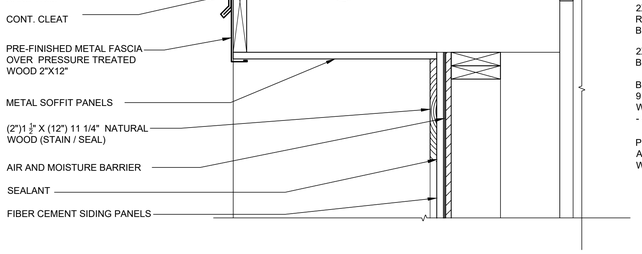
A401.1 / A401.2 ALT. 2 ROOF DETAIL
SCALE: 1 1/2"=1'-0"



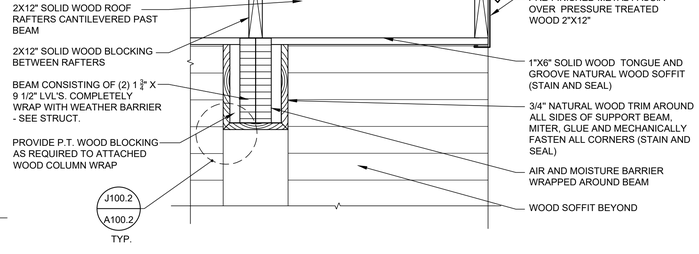
B401.1 / A401.2 ALT. 2 ROOF DETAIL
SCALE: 1 1/2"=1'-0"



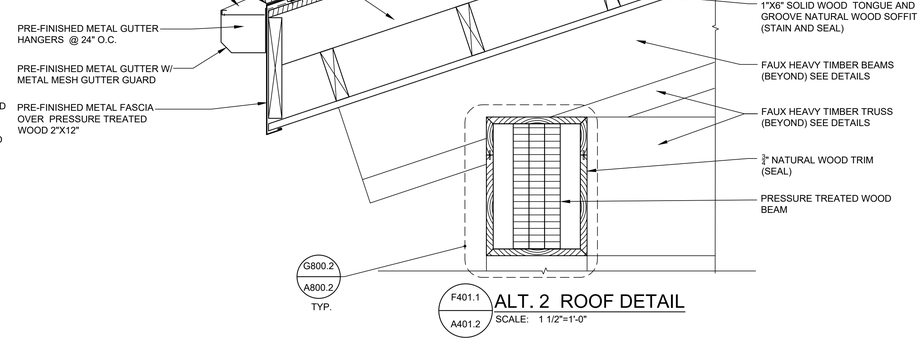
C401.1 / A401.2 ALT. 2 ROOF DETAIL
SCALE: 1 1/2"=1'-0"



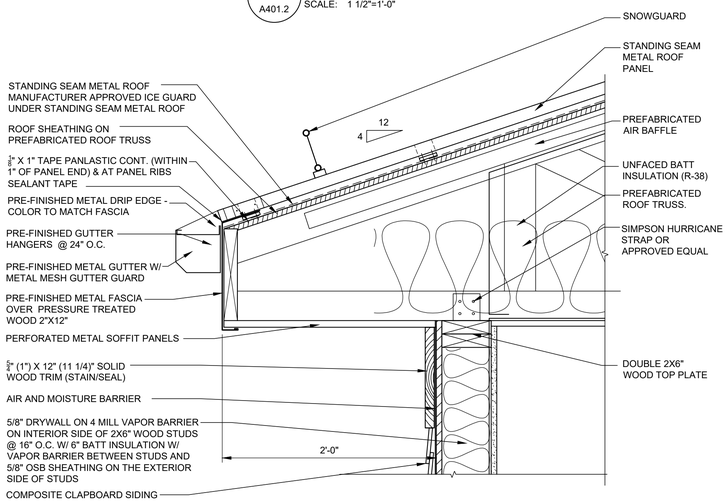
D401.1 / A401.2 ALT. 2 ROOF DETAIL
SCALE: 1 1/2"=1'-0"



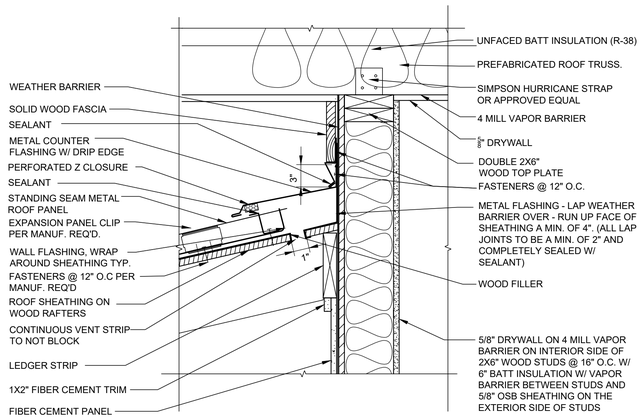
E401.1 / A401.2 ALT. 2 ROOF DETAIL
SCALE: 1 1/2"=1'-0"



F401.1 / A401.2 ALT. 2 ROOF DETAIL
SCALE: 1 1/2"=1'-0"



G401.1 / A401.2 ALT. 2 ROOF DETAIL
SCALE: 1 1/2"=1'-0"



H401.1 / A401.2 ALT. 2 ROOF DETAIL
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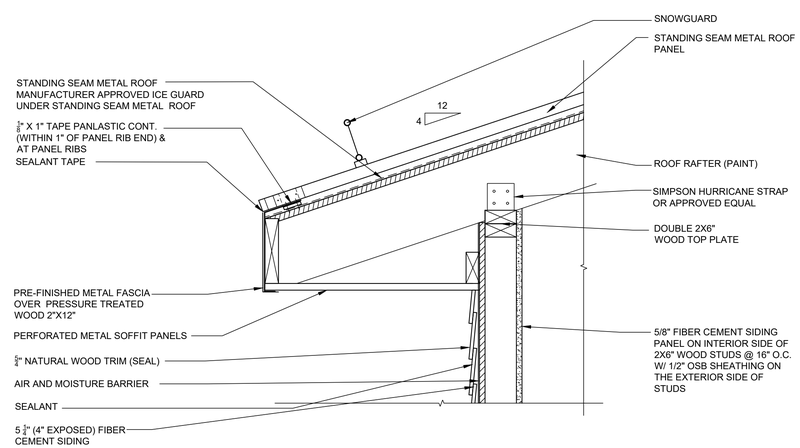

J401.1 / A401.2 ALT. 2 ROOF DETAIL
SCALE: 1 1/2"=1'-0"

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FOR
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AUGLAIZE COUNTY, OHIO

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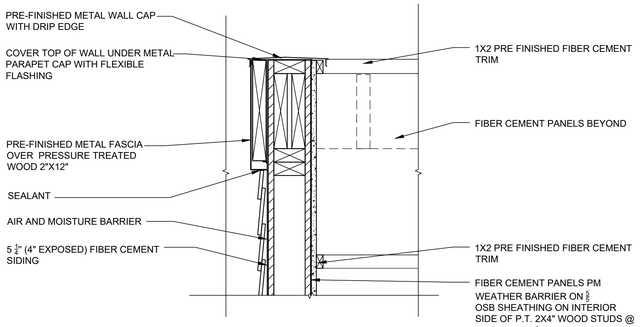
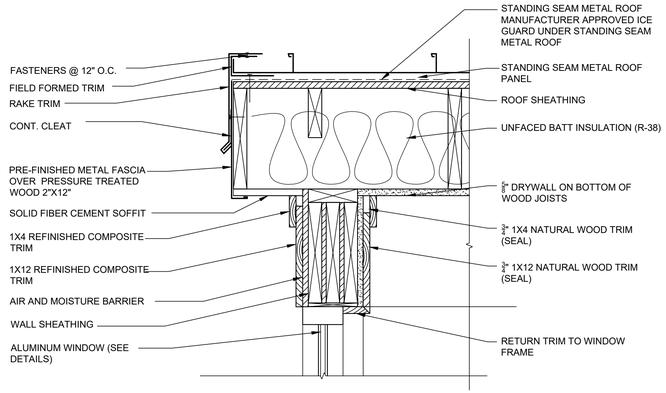
CONSTRUCTION DOCUMENTS

A401.2



A401.1 / A401.3 ALT. 2 ROOF DETAIL
SCALE: 1 1/2"=1'-0"



B401.1 / A401.3 ALT. 2 ROOF DETAIL
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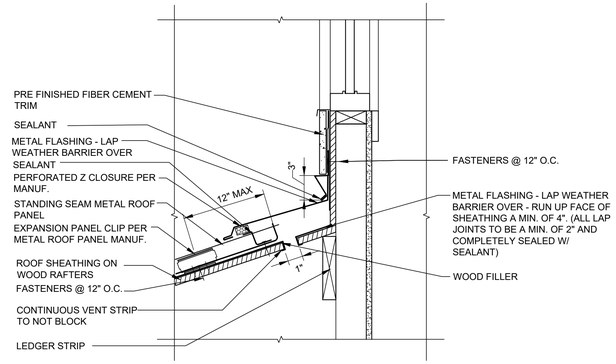
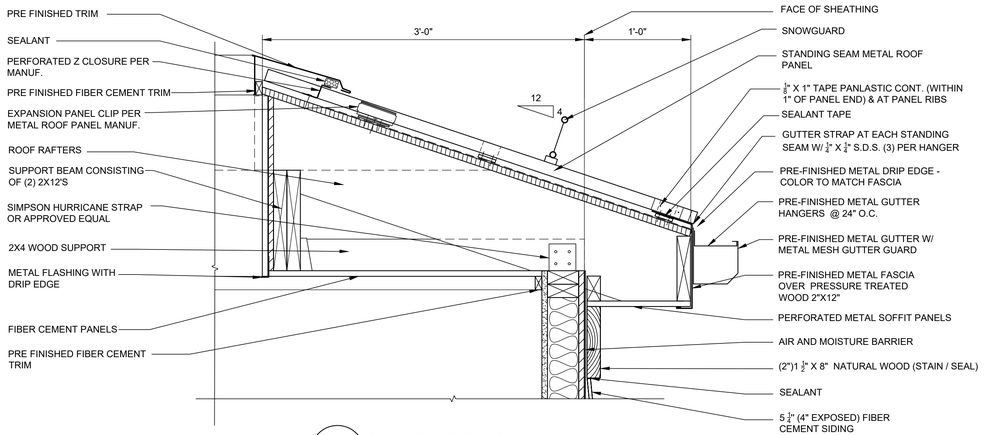
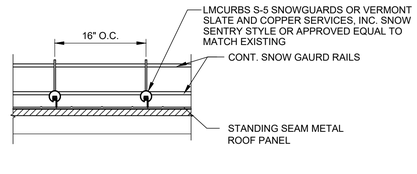


C401.1 / A401.3 ALT. 2 ROOF DETAIL
SCALE: 1 1/2"=1'-0"



D401.1 / A401.3 ALT. 2 ROOF DETAIL
SCALE: 1 1/2"=1'-0"



TYPICAL
SNOW GUARD DETAIL - ELEVATION
SCALE: 1" =1'-0"

ROOF DETAIL NOTES

1 PROVIDE INTERMETALIC SEPARATION WHERE REQ'D

2. ALL FASTENERS THAT PENETRATE FLASHING TO BE SELF SEALING TYPE.

3. ALL ROOF CURBS ON SLOPES OVER 1/4"/12" TO HAVE BOTTOMS WHICH MATCH THE ROOF SLOPE & TOPS WHICH ARE LEVEL.

4. PROVIDE ROOF SADDLES ON THE UP SLOPE SIDE OF CURBS.

5. PROVIDE INSULATION SUPPORT STRAPS, METAL FURRING STRIPS, ETC. AS REQUIRED TO HOLD INSULATION IN PLACE WHEREVER STUD WALLS DON'T HAVE SHEATHING ON ONE OR BOTH SIDES.

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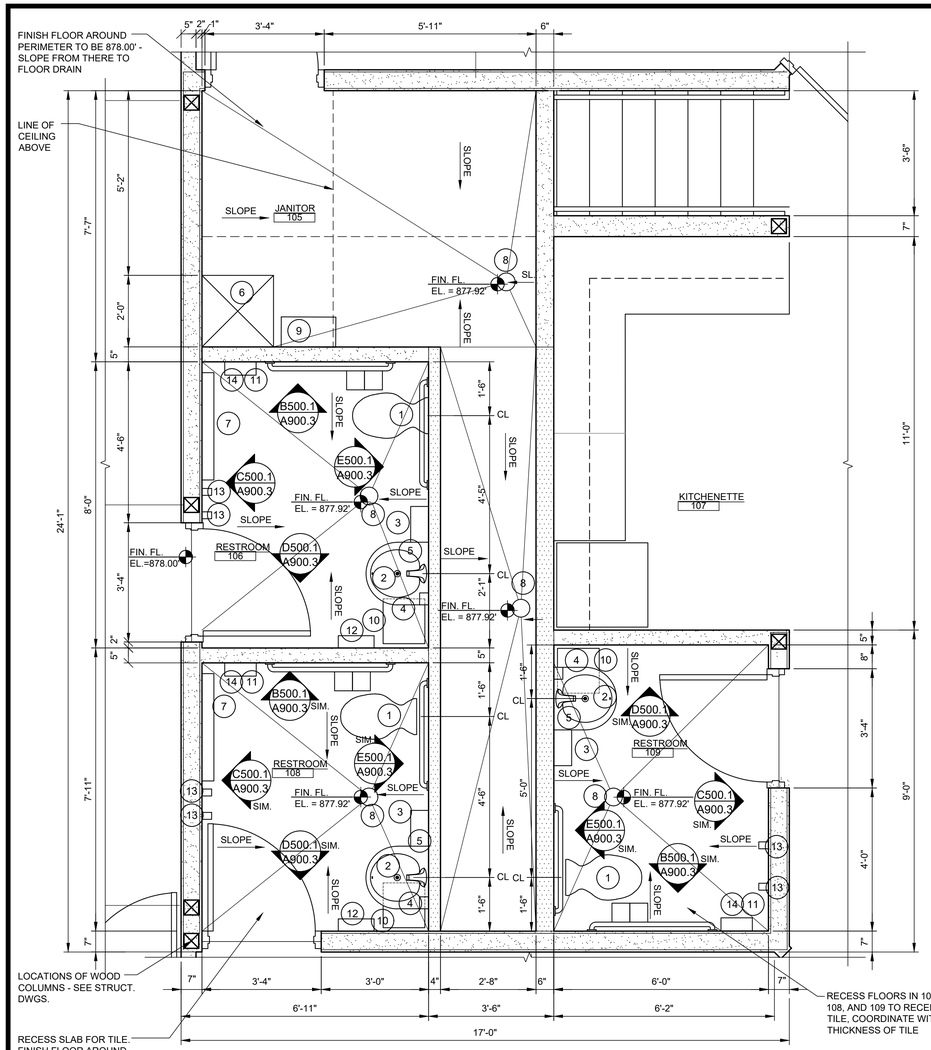
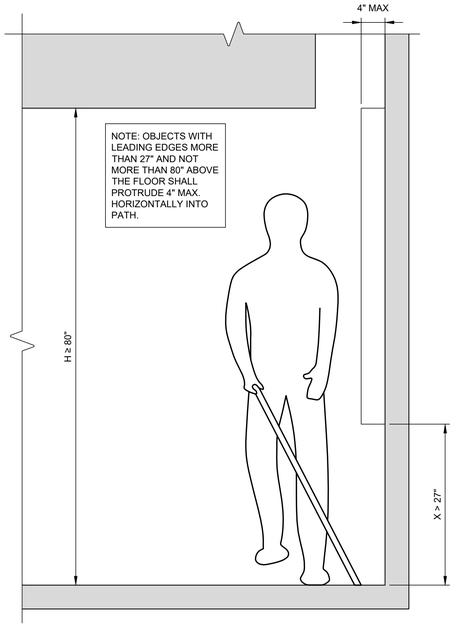
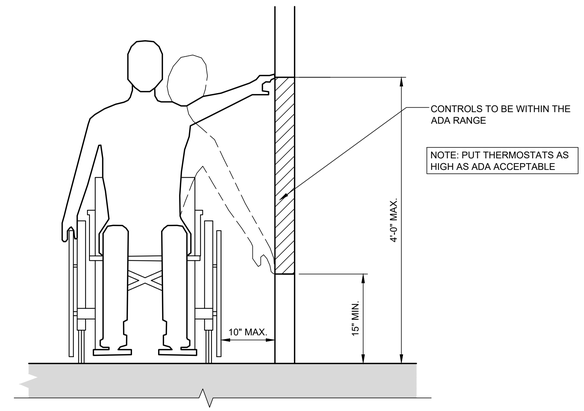
A401.3



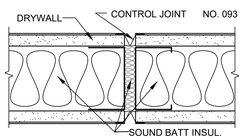
A100.1
A500.1
ENLARGED RESTROOM PLAN
SCALE: 1 1/2" = 1'-0"



B500.1
A500.1
ADA CLEARANCE
SCALE: N.T.S.



C500.1
A500.1
ADA CLEARANCE
SCALE: N.T.S.



DRYWALL CJ DETAIL
SCALE: 3" = 1'-0"

RESTROOM NOTES

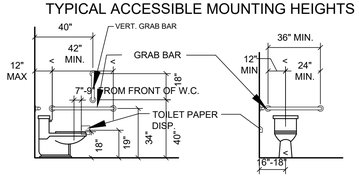
1. WATER SUPPLY AND DRAINPIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT IN ADA UNIT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.

2. SLOPE ALL RESTROOM FLOORS TOWARDS DRAINS A MAXIMUM OF ¼" PER FOOT.

KEYED NOTES

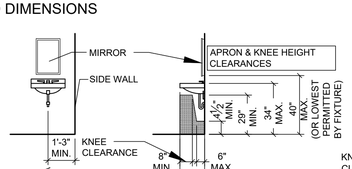
1. ACCESSIBLE TOILET WITH ASSOCIATED STAINLESS STEEL GRAB BARS AND TOILET PAPER DISPENSER SEE PLUMBING DRAWINGS FOR MORE INFORMATION. TOILET PAPER DISPENSERS PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR.
2. ACCESSIBLE WALL MOUNTED SINK. SEE PLUMBING DRAWINGS FOR MORE INFORMATION.
3. PAPER TOWEL DISPENSER - PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR
4. SOAP DISPENSER - PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR
5. 18"X36" MIRROR GLASS TO COMPLY WITH OBC SECTION 2406.1 THROUGH 2406.1.4.
6. MOP SINK WITH MOP HOLDER
7. BABY CHANGING STATION
8. FLOOR DRAIN
9. INSTANT WATER HEATER
10. WASTE RECEPTACLE - PROVIDED AND INSTALLED BY OWNER
11. SANITARY NAPKIN DISPENSER - PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR
12. ELECTRIC HAND DRYERS
13. COAT HOOKS
14. SANITARY NAPKIN DISPOSAL - PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR

TYPICAL ACCESSIBLE MOUNTING HEIGHTS AND DIMENSIONS



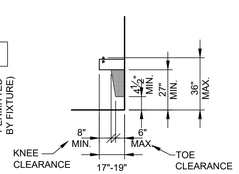
TYP. ACCESSIBLE TOILET DIMENSIONS (SIDE)

TYP. ACCESSIBLE TOILET DIMENSIONS (FRONT)

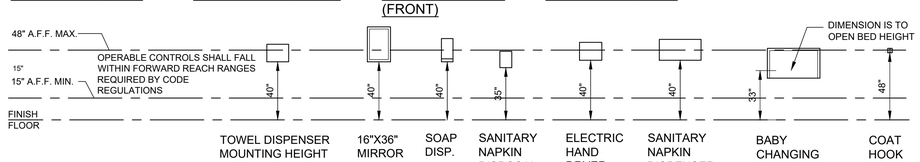


TYP. ACCESSIBLE SINK DIMENSIONS (FRONT)

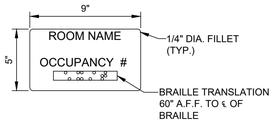
TYP. ACCESSIBLE SINK DIMENSIONS (SIDE)



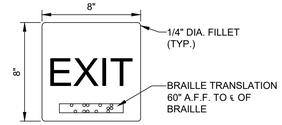
TYPICAL ADA DRINKING FOUNTAIN (ADULT)



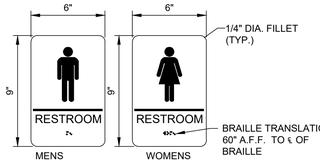
NOTE: THE PURPOSE OF THIS SECTION IS TO SHOW TYPICAL ACCESSIBLE (ICC A117.1) DIMENSIONS AND MOUNTING HEIGHTS ONLY. ALL FIXTURES AND ACCESSORIES SHOWN IN THIS SECTION ARE SHOWN GENERICALLY AND ARE FOR REFERENCE PURPOSES ONLY.



D500.1
A500.1
OCCUPANCY SIGN DETAIL
SCALE: 2"=1'-0"

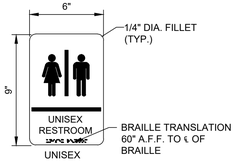


E500.1
A500.1
TACTILE EXIT SIGN DETAIL
SCALE: 2"=1'-0"



NOTE: FOR ADDITIONAL SIGNAGE INFO SEE SPECS

F500.1
A500.1
TACTILE RESTROOM SIGN DETAIL
SCALE: 2"=1'-0"



G500.1
A500.1
TACTILE UNISEX SIGN DETAIL
SCALE: 2"=1'-0"

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CONSTRUCTION DOCUMENTS

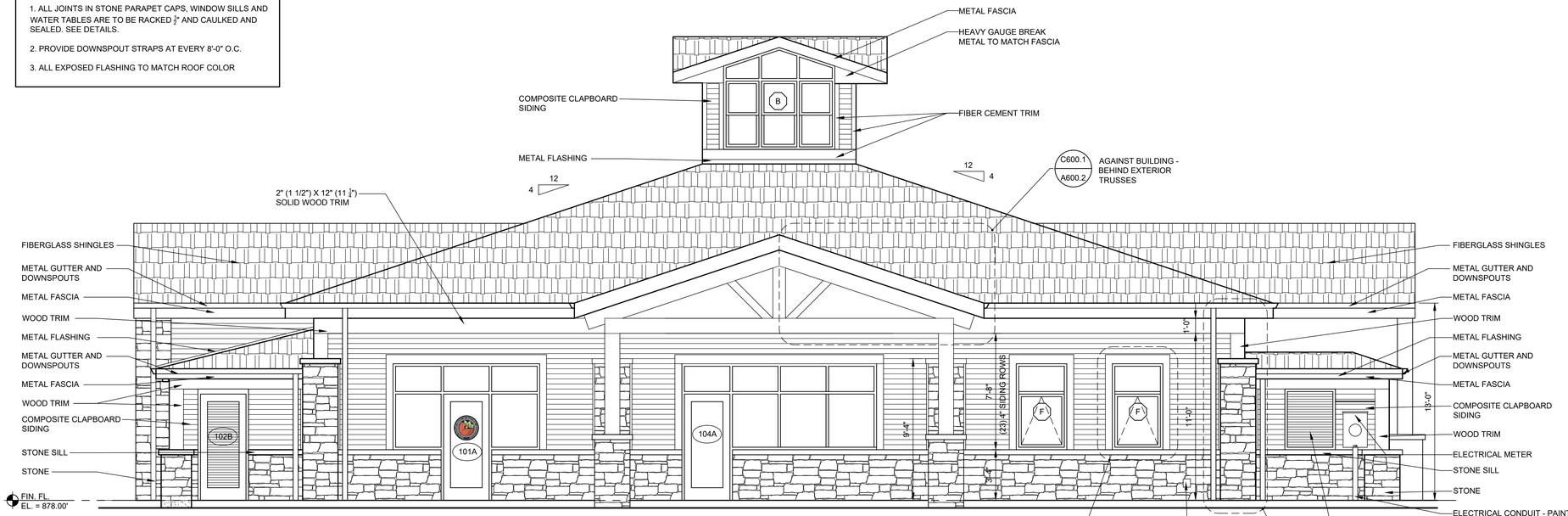
A500.1

ELEVATION NOTES

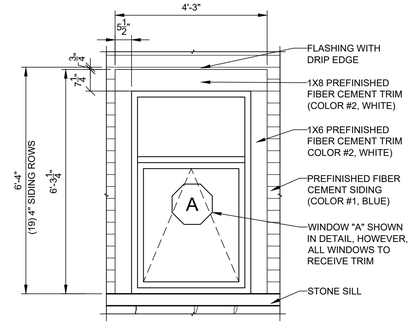
1. ALL JOINTS IN STONE PARAPET CAPS, WINDOW SILLS AND WATER TABLES ARE TO BE RACKED $\frac{3}{4}$" AND CAULKED AND SEALED. SEE DETAILS.

2. PROVIDE DOWNSPOUT STRAPS AT EVERY 8'-0" O.C.

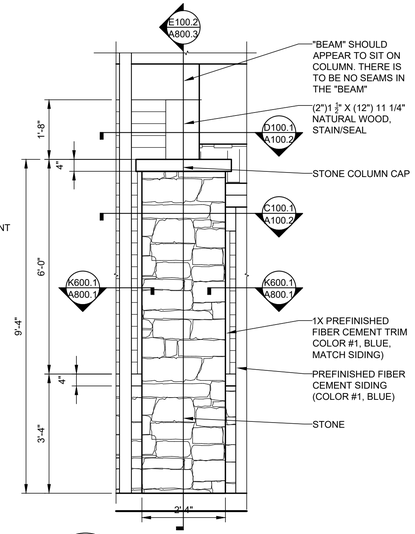
3. ALL EXPOSED FLASHING TO MATCH ROOF COLOR



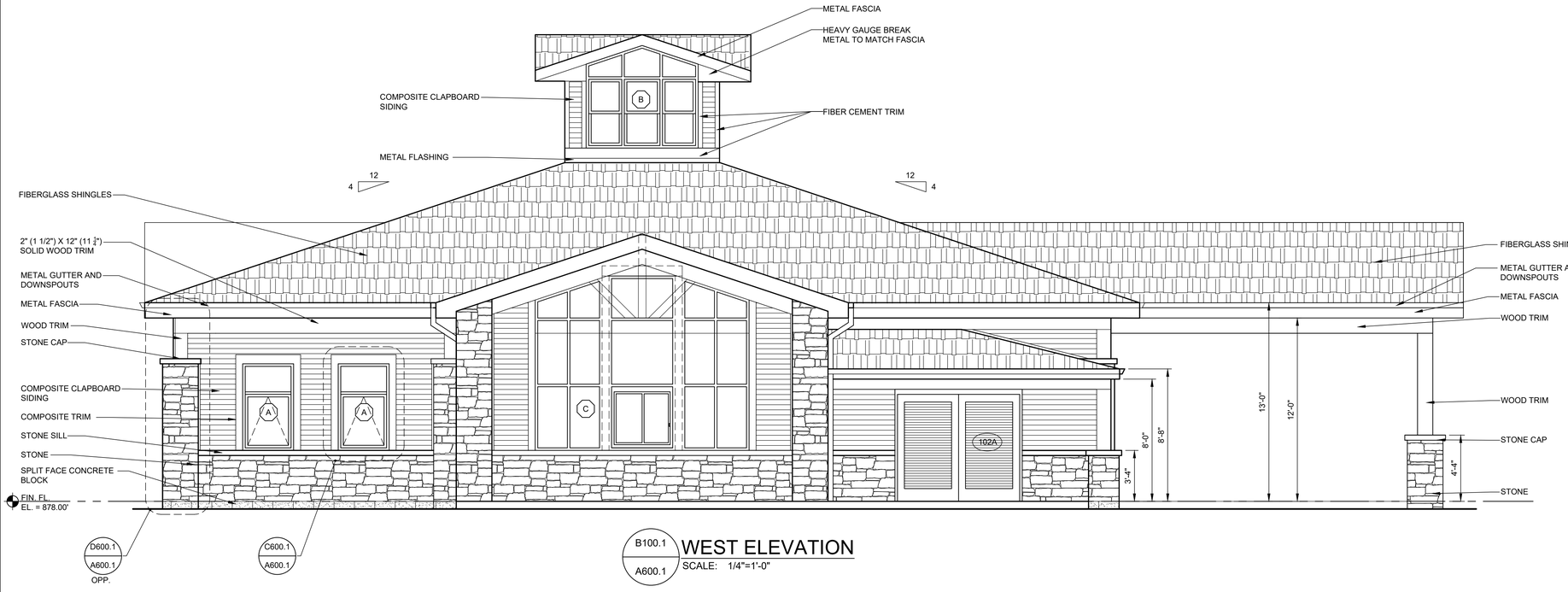
A100.1 / A600.1 **SOUTH ELEVATION**
SCALE: 1/4"=1'-0"



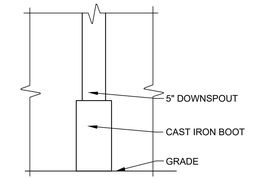
C100.1 / A600.1 **TYPICAL WINDOW TRIM DETAIL**
SCALE: 1/2"=1'-0"



D600.1 / A600.1 **ELEVATION DETAIL**
SCALE: 1/2"=1'-0"



B100.1 / A600.1 **WEST ELEVATION**
SCALE: 1/4"=1'-0"



TYP. DOWNSPOUT BOOT DETAIL
SCALE: N.T.S.

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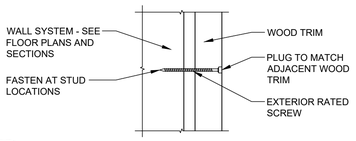
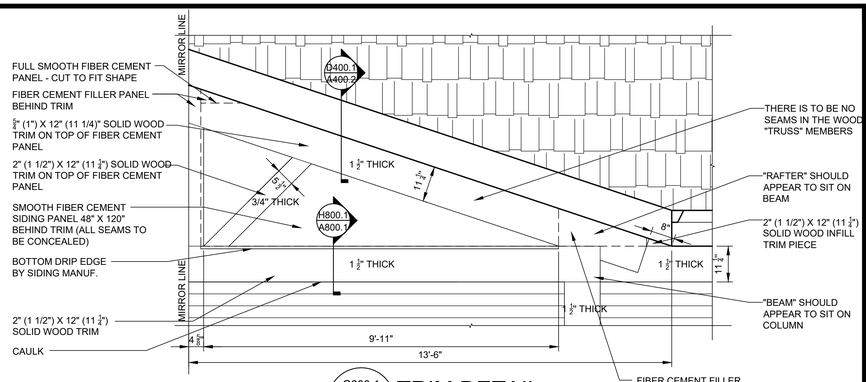
A600.1



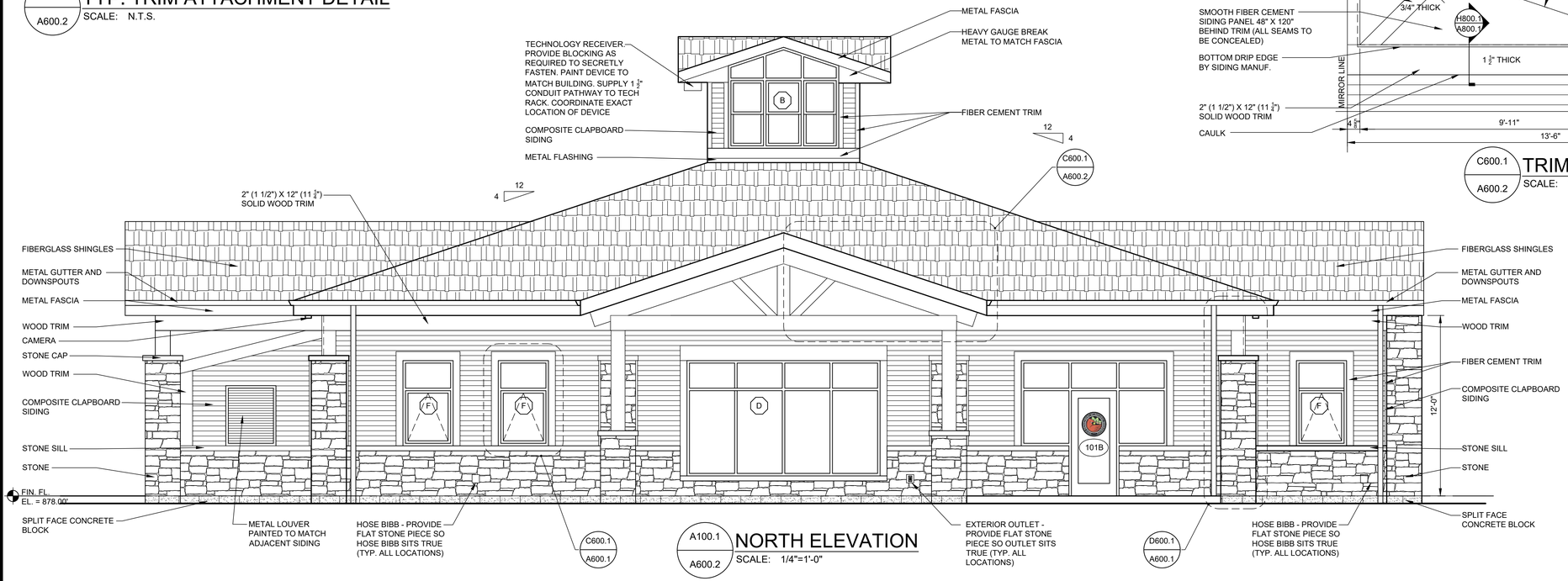
D600.2 / A600.2 — **TYP. TRIM ATTACHMENT DETAIL**

SCALE: N.T.S.



C600.1 / A600.2 — **TRIM DETAIL**

SCALE: 1/2"=1'-0"



A100.1 / A600.2 — **NORTH ELEVATION**

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

SIDING NOTES

1. PROVIDE TYVEK OR APPROVED EQUAL CONTINUOUS BUILDING WRAP AIR & WATER RESISTIVE BARRIER ON THE EXTERIOR SIDE OF ALL EXTERIOR WALLS. ALL SEAMS AND PENETRATIONS TO BE TAPED WITH HARIDE WRAP WEATHER BARRIER TAPE OR APPROVED EQUAL.

2. KEEP ALL BUT JOINTS TO A MINIMUM. STAGGER ALL BUTT JOINTS (JOIN AT STUD LOCATIONS ONLY) FINISH ALL CUT ENDS. AVOID PLACING BUTT JOINTS DIRECTLY ABOVE AND BELOW WINDOWS

3. INSTALL TRIM FIRST AND BUTT LAP SIDING INTO TRIM. DO NOT INSTALL TRIM OVER LAP SIDING

4. STOP SIDING 6" ABOVE GRADE AND W" ABOVE CONCRETE STOOPS

5. FIBER CEMENT SIDING TO BE A MINIMUM 2" ABOVE ROOF SURFACE, OR PER MANUFACTURER'S REQUIREMENTS.

6. ALL SIDING AND TRIM TO BE PREFINISHED.

EXTERIOR WOOD TRIM NOTES:

1. ALL EXTERIOR TRIM TO BE PREMIUM GRADE ROUGH SAWN CEDAR.

2. ALL WOOD TO BE STAINED AND SEALED.

3. ALL JOINTS/MITER/ETC IN WOOD TRIM TO BE MECHANICALLY JOINED WITH BISCUITS, POCKETS SCREWS, ETC. AS REQUIRED TO PREVENT FUTURE SEPARATION OF JOINTS/MITER/ETC. SEE DETAIL J100.2/A100.2.

4 PROVIDE RELIEF CUTS ON BACK OF ALL TRIM AS REQUIRED TO PREVENT CUPPING. AT LOCATIONS SUCH AS BUT LIMITED TO COLUMN WRAPS, WHERE THERE IS ROOM BEHIND THE WOOD TRIM, PROVIDED ADDITIONAL BRACING TO KEEP FROM CUPPING.

5. ALL FASTENERS SHOULD BE INSTALLED TO BE CONCEALED WHENEVER POSSIBLE. WHEN FACE FASTENING IS INEVITABLE, CONCEAL FASTENERS WITH PLUGS TO MATCH ADJACENT WOOD. SEE DETAIL D600.2/A600.2. FASTENERS TO BE 4" MINIMUM EXTERIOR GRADE TRIM SCREWS.

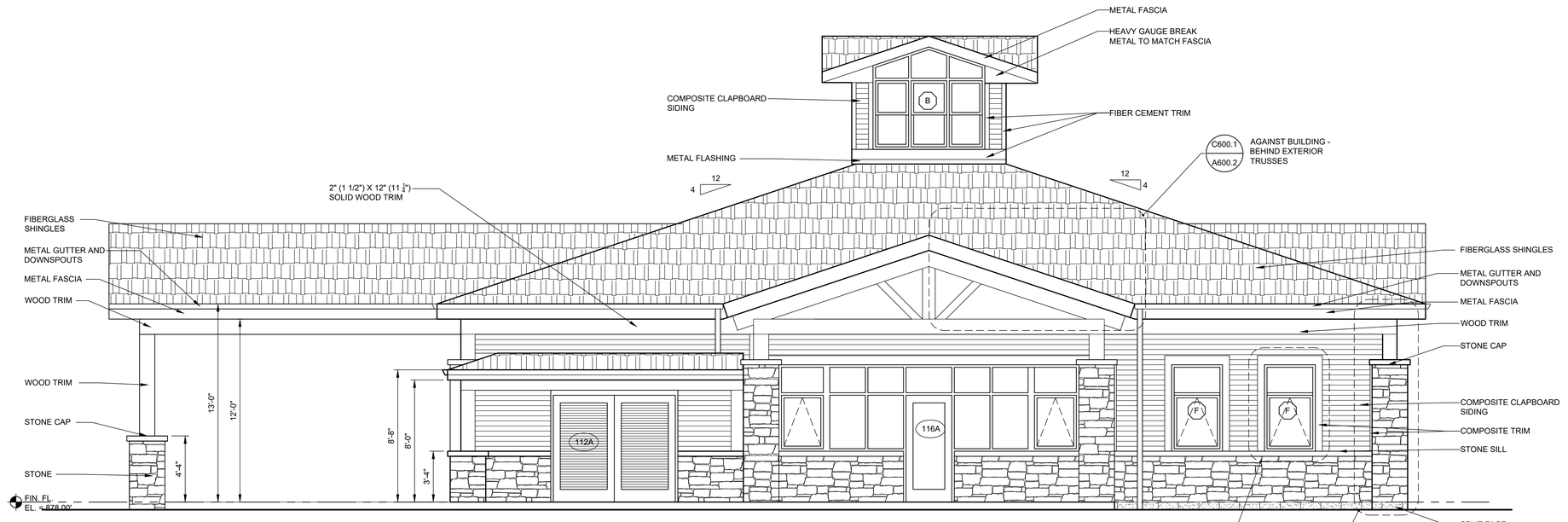
6. ALL FASTENERS FOR EXTERIOR WOOD TRIM TO BE STAINLESS STEEL.

7. THE INTENT IS FOR THE TRIM TO APPEAR AS STRUCTUAL BEAMS, COLUMNS AND TRUSSES, THEREFORE THERE IS TO BE NO SEAMS IN THE MEMBERS.

EXTERIOR COLOR SCHEDULE

MATERIAL	COLOR
ASPHALT SHINGLES	BLACK
STONE VENEER	T.B.D. (GRAY PALLET)
ALUMINUM STOREFRONT	ANODIZED ALUMINUM
ALUMINUM WINDOWS	ANODIZED ALUMINUM
ALUMINUM DOORS	ANODIZED ALUMINUM
FASCIA, GUTTERS, AND SOFFIT	WHITE
FIBER CEMENT CLAPBOARD SIDING	BLUE
FIBER CEMENT WINDOW TRIM	WHITE
PORCH SOFFIT	STAINED AND SEALED NATURAL WOOD
NATURAL WOOD TRIM (COLUMNS, FREEZE BOARD)	STAINED AND SEALED NATURAL WOOD
HOLLOW METAL DOORS AND FRAMES	BLUE

NOTE:
1. COLORS ABOVE ARE FOR REFERENCE AND TO SHOW DESIGN INTENT. ACTUAL COLORS TO BE APPROVED FROM PHYSICAL SAMPLES.
2. SUBMIT PHYSICAL COLOR SAMPLES TO ARCHITECT AND OWNER FOR APPROVAL.



B100.1 / A600.2 — **ELEVATION**

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

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A600.2

A600.3 / A600.3 EXTERIOR RENDERING
SCALE: 1/4"=1'-0"

B600.3 / A600.3 EXTERIOR RENDERING
SCALE: 1/4"=1'-0"

C600.3 / A600.3 EXTERIOR RENDERING
SCALE: 1/4"=1'-0"

NOTE: RENDERINGS ARE FOR REFERENCE AND ARE TO CONVEY DESIGN INTENT ONLY. DO NOT SCALE OFF RENDERINGS. REFER TO DRAWINGS FOR ALL CONSTRUCTION DETAILS

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FOR
OHIO DEPARTMENT OF NATURAL RESOURCES DNR-250013
AUGLAZE COUNTY, OHIO

BUEHRERGROUP
architecture & engineering, inc.
314 CONANT ST., MAUMEE, OH 43537 | P:419.893.9027 F:419.893.9027 | BUEHRERGROUP.COM

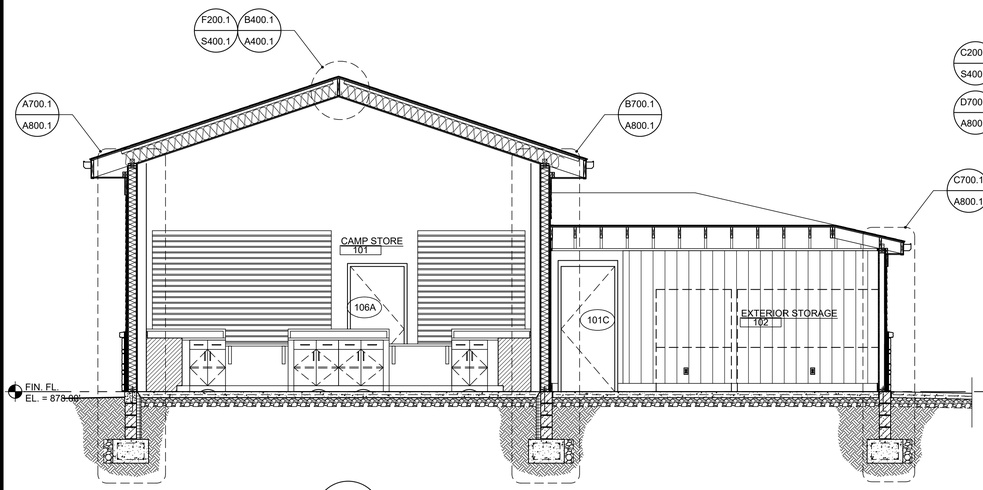
REVISION SCHEDULE

ISSUE DATE: 09/19/2025

JOB NUMBER: 241224

CONSTRUCTION DOCUMENTS

A600.3



A100.1 / A700.1 BUILDING SECTION
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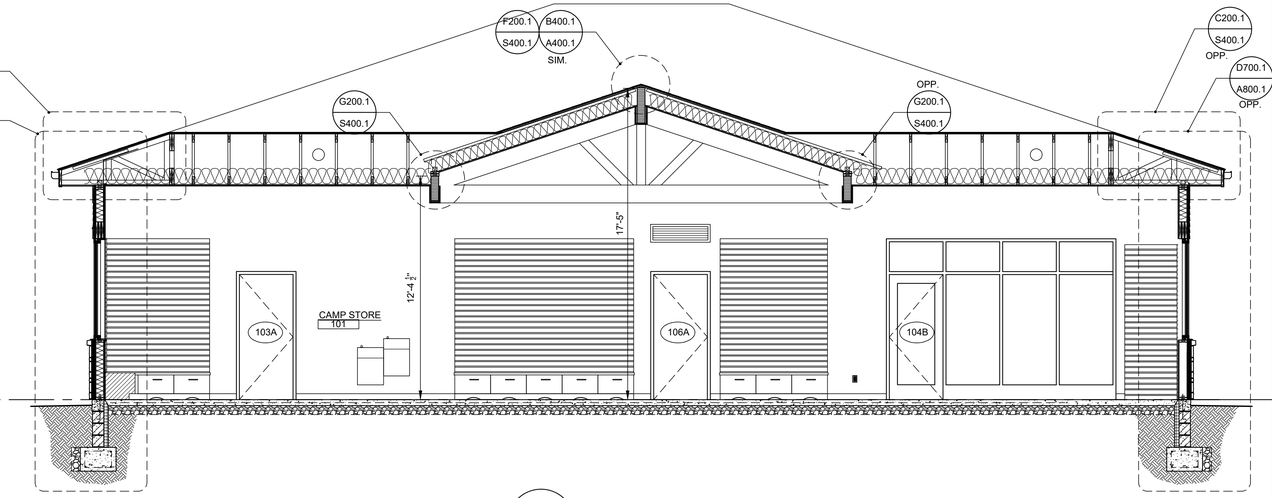

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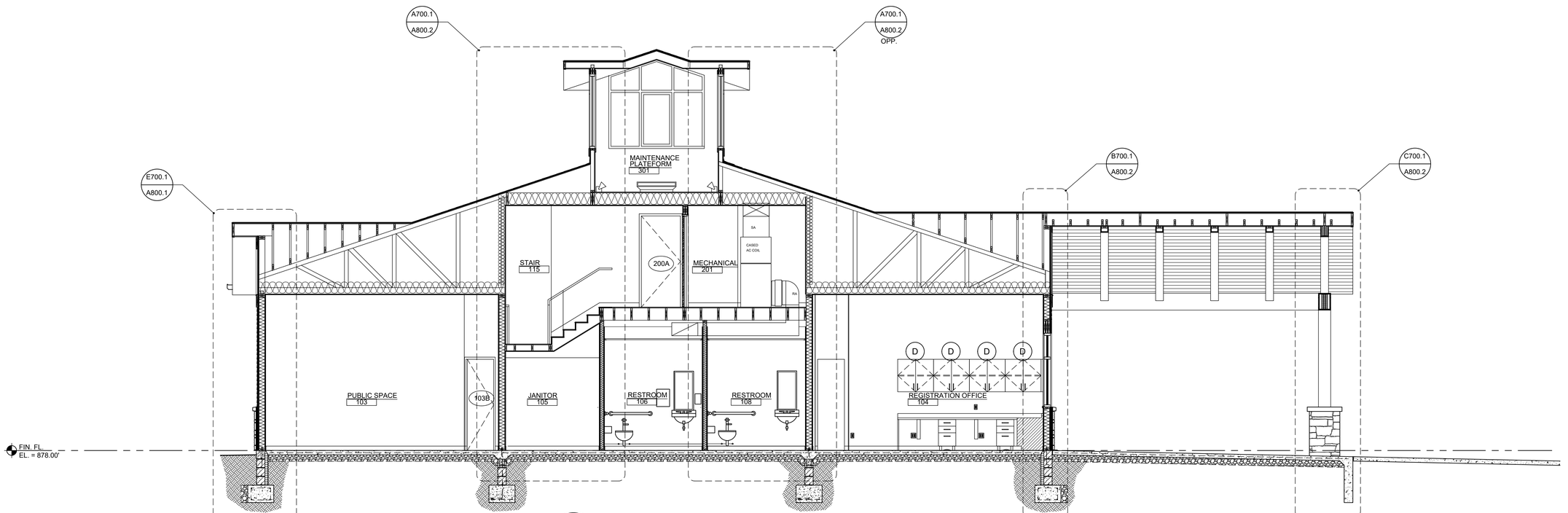

C100.1 / A700.1 BUILDING SECTION
SCALE: 1/4"=1'-0"

KENT D. BUEHRER, LICENSE #11087
EXPIRATION DATE 12/31/25
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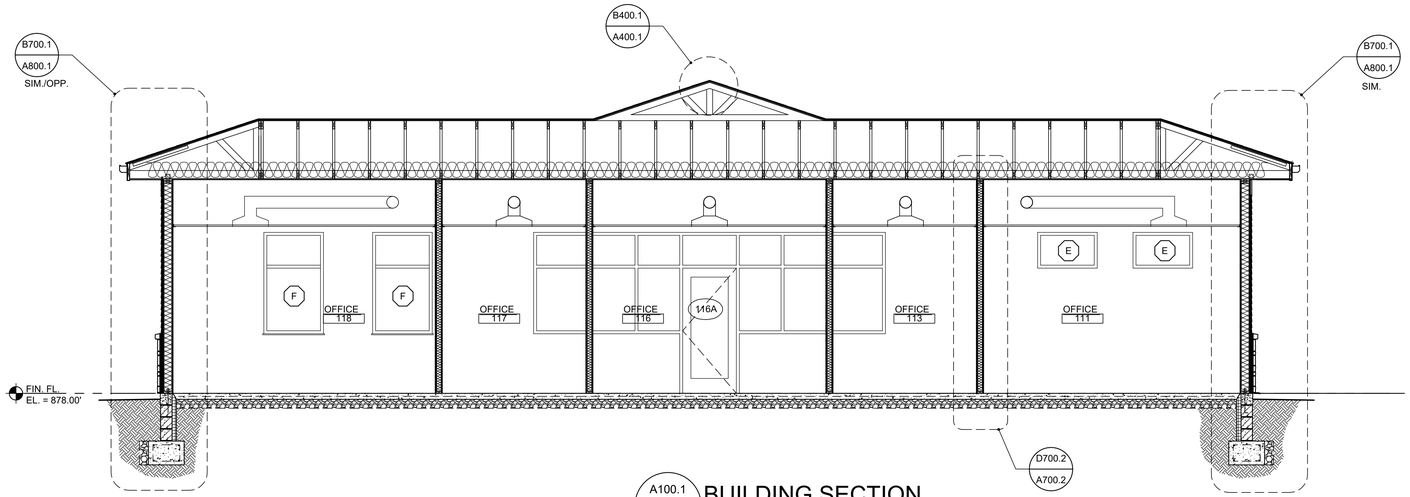
A700.1



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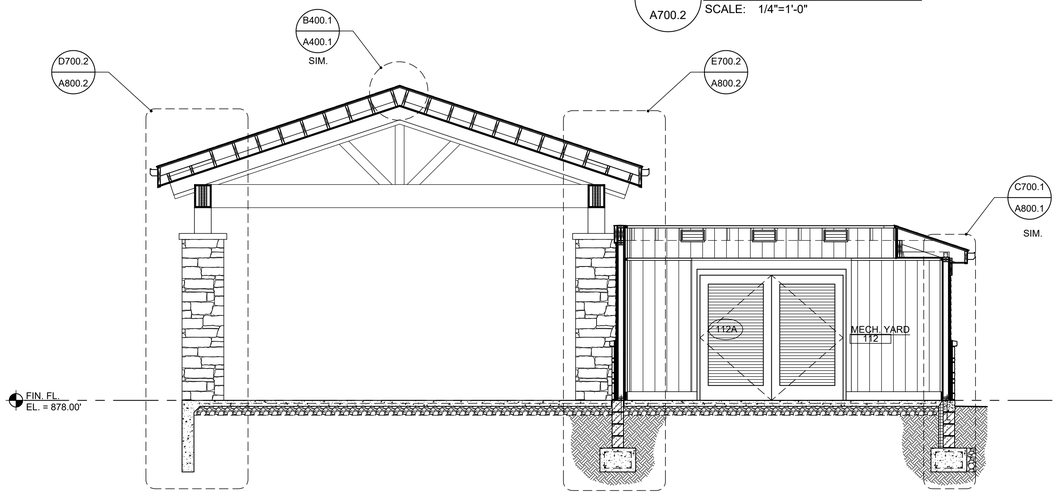

B100.1 / A700.2 **BUILDING SECTION**
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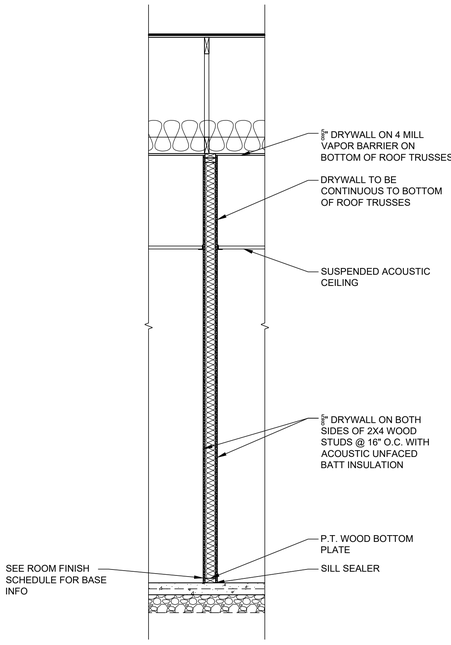

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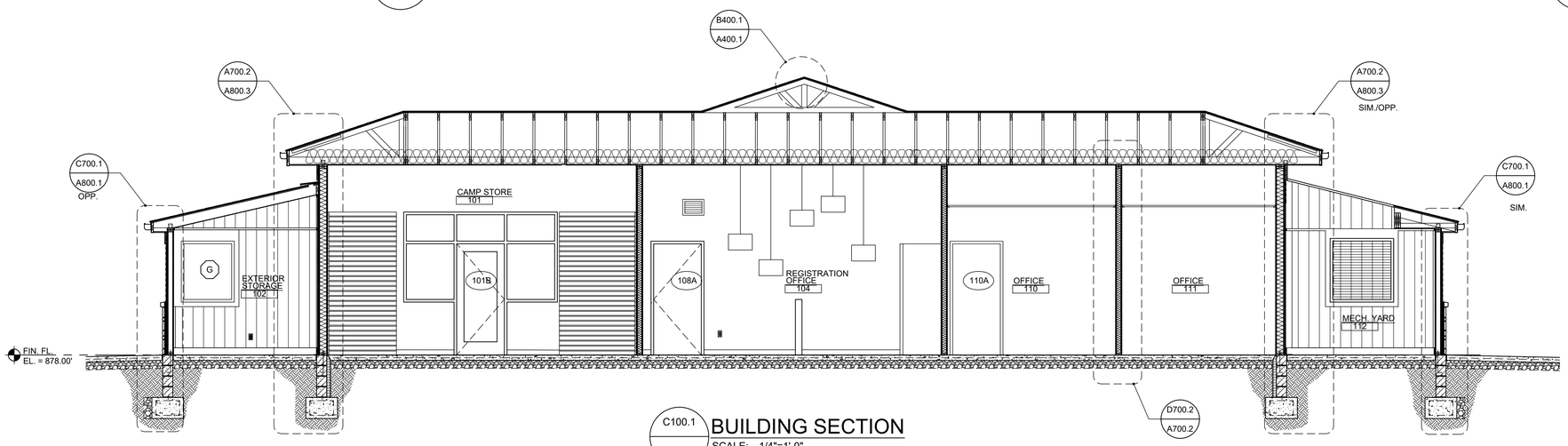

C100.1 / A700.2 **BUILDING SECTION**
SCALE: 1/4"=1'-0"

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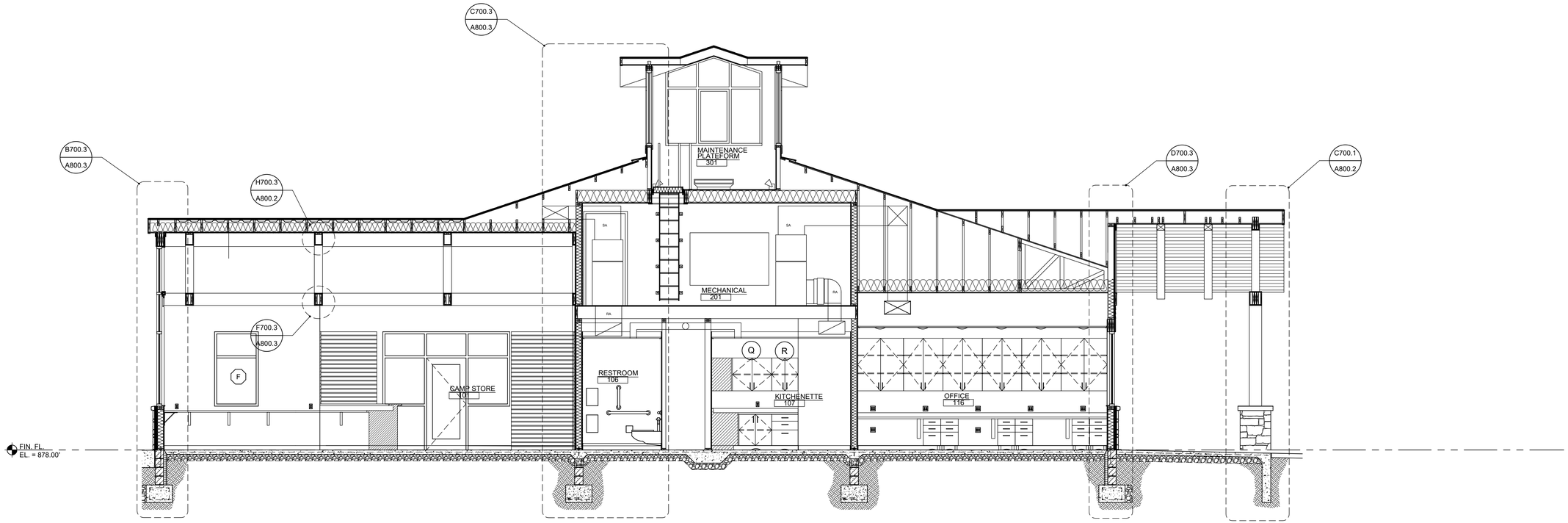
A700.2



A100.1 / A700.3 **BUILDING SECTION**
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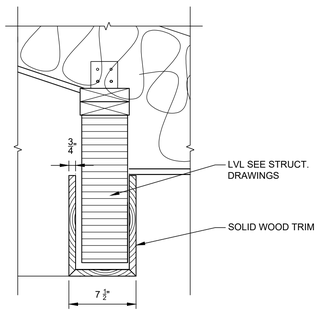

B700.1 / A700.3 **TRIM DETAIL**
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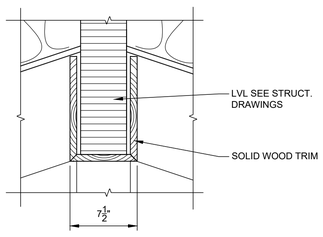

C700.1 / A700.3 **TRIM DETAIL**
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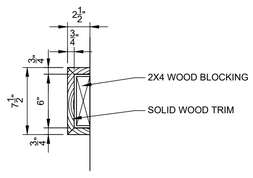

D100.1 / A700.3 **TRIM DETAIL**
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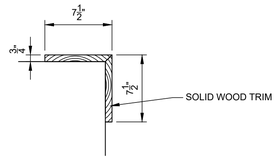

E100.1 / A700.3 **TRIM DETAIL**
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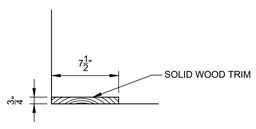

F100.1 / A700.3 **TRIM DETAIL**
SCALE: 1 1/2"=1'-0"

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A700.3

WALL SECTION NOTES

1. PROVIDE CONTINUOUS BUILDING WRAP AIR & WATER RESISTIVE BARRIER ON THE EXTERIOR SIDE OF ALL EXTERIOR WALLS. USE CAP FASTENERS FOR INSTALLATION. ALL SEAMS AND PENETRATIONS TO BE TAPED WITH WEATHER BARRIER TAPE OR APPROVED EQUAL.

2. ALL VAPOR BARRIERS TO BE ON THE INTERIOR SIDE OF INSULATION UNLESS NOTED OTHERWISE. VAPOR BARRIER TO BE CONTINUOUS. TAPE ALL SEAMS AND ALL PENETRATIONS.

3. FOAM INSULATE ALL VOIDS AROUND WINDOWS THAT CAN NOT BE INSULATED WITH BATT.

4. TAPE AND COMPLETELY SEAL ALL JOINTS IN VAPOR BARRIER AND BUILDING WRAP AIR AND WATER RESISTIVE BARRIER

6. INSTALL WINDOWS AND DOORS AFTER BUILDING WRAP IS INSTALLED. WRAP BUILDING WRAP TO INTERIOR, TRIM AND ALLOW AT LEAST 2" TO EXTEND INSIDE. FOLLOW MANUFACTURERS RECOMMENDATIONS.

7. FIREBLOCKING TO BE INSTALLED VERTICALLY AT CEILING AND FLOOR LEVELS AND HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET.

8. THE EXPOSED FINISHED CEILING DRYWALL CAN BE INSTALLED ON THE BOTTOM OF THE ROOF TRUSSES IF THE ROOF TRUSSES ARE LEVEL AND TRUE AND IF ANY UNEVENNESS CAN BE COMPLETELY HIDDEN BY THE FINISHERS. IF THIS IS NOT POSSIBLE, INSTALL STRAPPING AT 16" ON CENTER ON THE BOTTOM OF THE TRUSSES TO CREATE A LEVEL AND TRUE SURFACE FOR THE DRYWALL TO BE INSTALLED TO. NOTE: THIS WILL REDUCE THE CEILING HEIGHT BY THE HEIGHT OF THE STRAPPING AND SHIMS.

9. ALL ROOF SHEATHING TO BE MINIMUM ¾" PLYWOOD OR OSB EXTERIOR APA-STRUCTURAL GRADE. USE 8D COMMON NAILS AT 6" ON CETER AT EDGES AND 12" ON CENTER AT INTERMEDIATES.

10. ALL WALL SHEATHING TO BE MINIMUM 5/8" PLYWOOD OR OSB EXTERIOR APA-STRUCTURAL GRADE. USE 8D COMMON NAILS AT 6" ON CETER AT EDGES AND 12" ON CENTER AT INTERMEDIATES.

11. R-VALUE OF ROOF INSULATION SHALL BE R-38

12. FIBER CEMENT SIDING TO BE A MINIMUM 2" ABOVE ROOF SURFACE, OR PER MANUFACTURER'S REQUIREMENTS.

13. ALL EXPOSED FLASHING TO MATCH ROOF COLOR.

14. ALL VAPOR BARRIER AND WEATHER BARRIERS TO BE TAPED AND SEALED TO CREATED A CONTINUES UNINTERRUPTED BARRIER.

MANUFACTURE STONE NOTES

1. ALL FLASHING, WRB, FASTENERS, METAL LATH, SCRATCH COATS AND SETTING BEDS TO BE COMPATIBLE WITH ADHERED CONCRETE MASONRY SYSTEM.

2. ADHERED CONCRETE MASONRY VENEER ALTERNATE SHORT END RETURNS ABOVE AND BELOW AT ALL CORNER LOCATIONS

3. WRAP LATH AROUND CORNER TO NEXT FRAMING MEMBER AND LAP LATH AT FRAMING MEMBER - TYPICAL ALL INSIDE AND OUTSIDE CORNERS

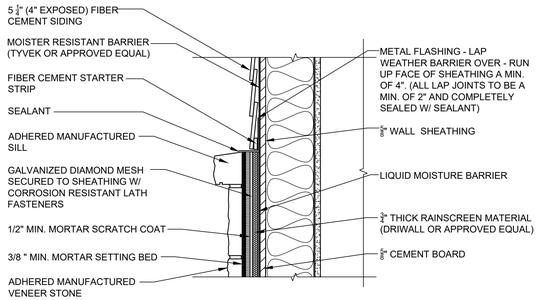
4. EXTEND BOTH LAYERS OF WRB FROM EACH DIRECTION AROUND CORNER 12" MIN. TYPICAL ALL INSIDE AND OUTSIDE CORNERS.

5. PROVIDE DRAINAGE MAT AT ALL STONE LOCATIONS.

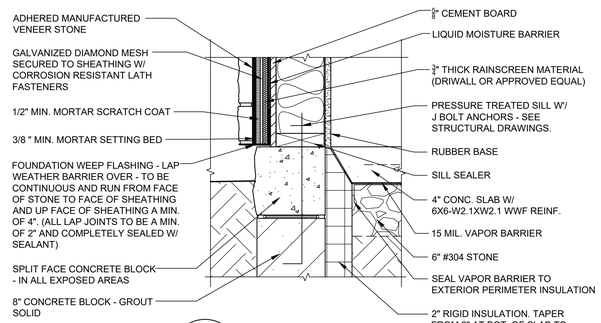
6. SHEATHING AT STONE LOCATIONS TO BE CEMENT BOARD.

7. MOISTURE BARRIER TO BE LIQUID APPLIED AT ALL STONE LOCATIONS.

8. AT ALL EXTERIOR LIGHT, OUTLETS, HOSE BIBBS, ETC. PROVIDE A FLAT STONE PIECE BY THE MANUFACTURER DESIGNED FOR THAT PURPOSE SO THAT THE ITEM SITS LEVEL AND TRUE.



F800.1 / A800.1 WALL DETAIL
SCALE: 1 1/2"=1'-0"

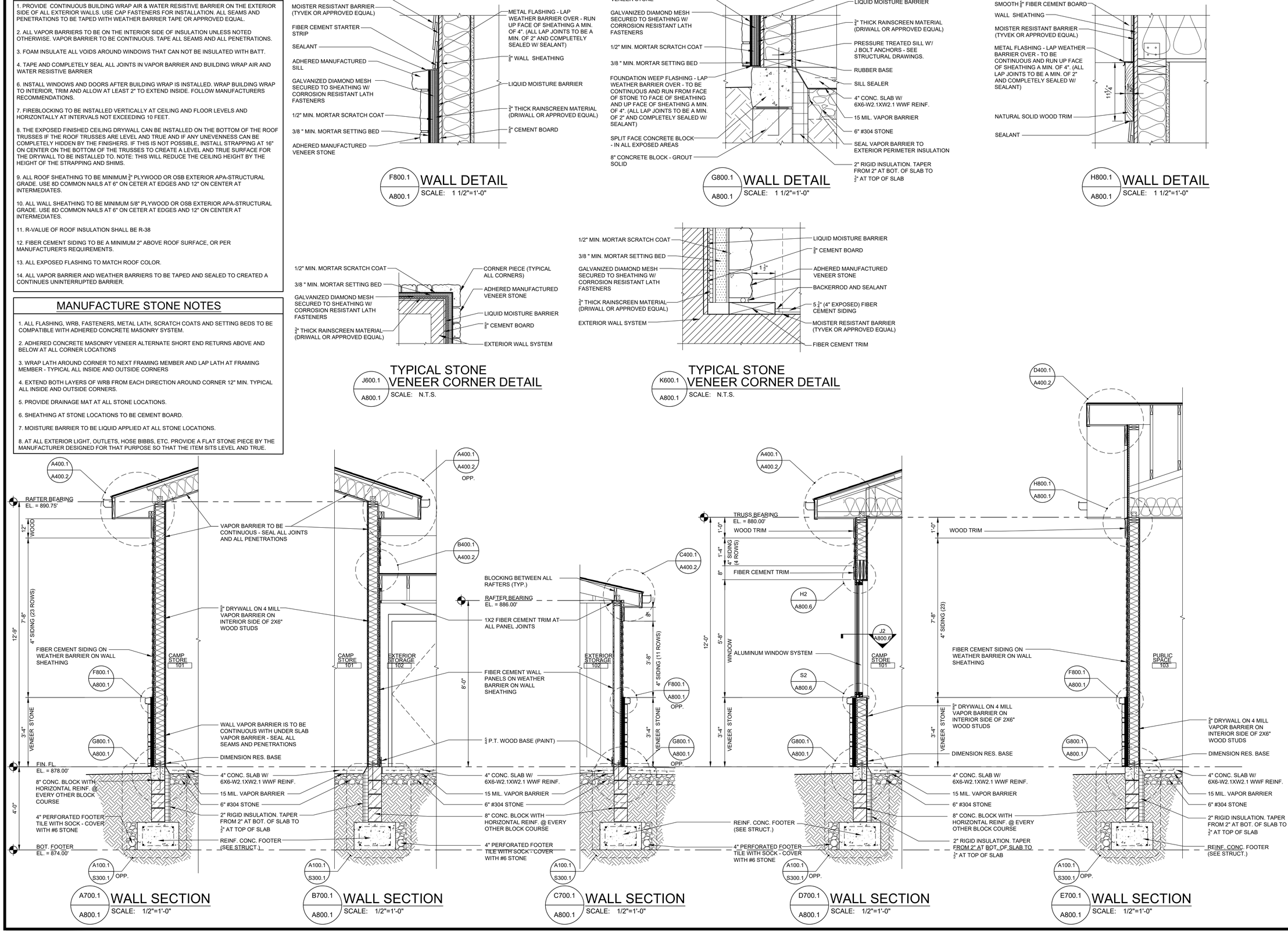


G800.1 / A800.1 WALL DETAIL
SCALE: 1 1/2"=1'-0"

H800.1 / A800.1 WALL DETAIL
SCALE: 1 1/2"=1'-0"

J600.1 / A800.1 TYPICAL STONE VENEER CORNER DETAIL
SCALE: N.T.S.

K600.1 / A800.1 TYPICAL STONE VENEER CORNER DETAIL
SCALE: N.T.S.



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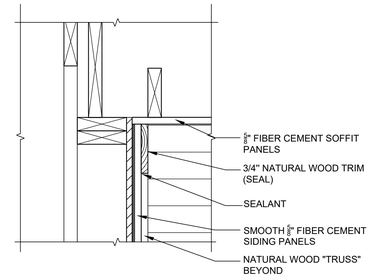
A800.1



F800.2 / A800.2 **WALL DETAIL**
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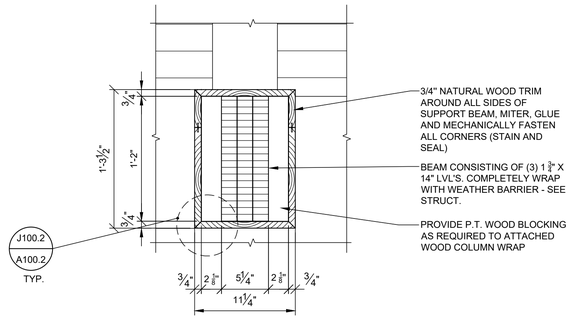

G800.2 / A800.2 **WALL DETAIL**
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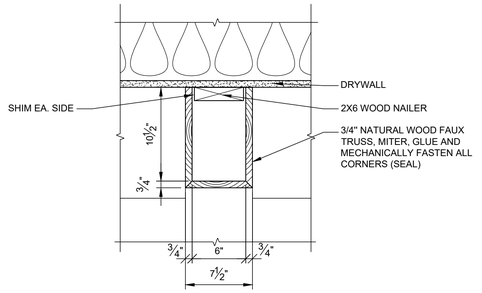

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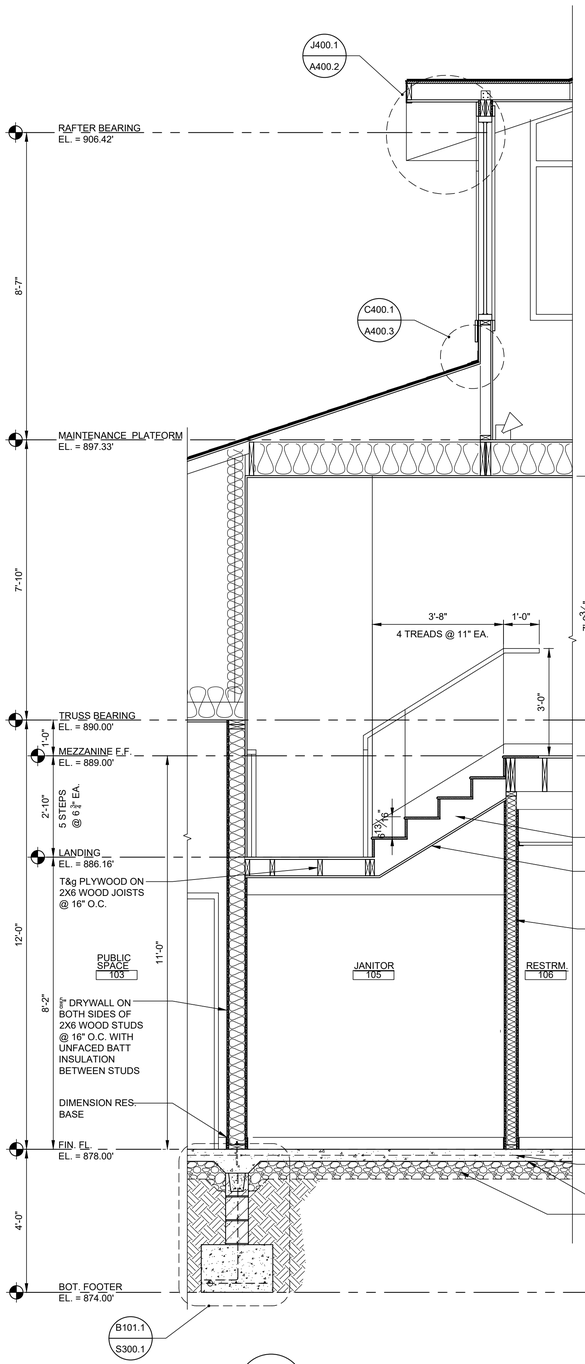

A700.1 / A800.2 **WALL SECTION**
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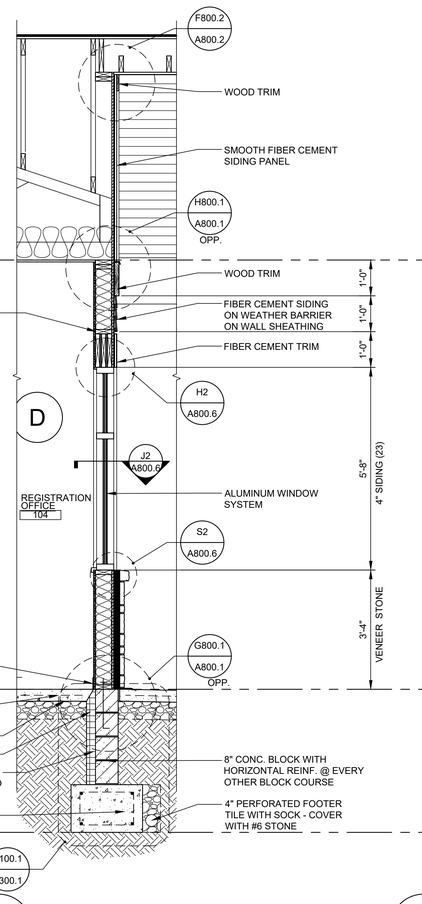

B700.1 / A800.2 **WALL SECTION**
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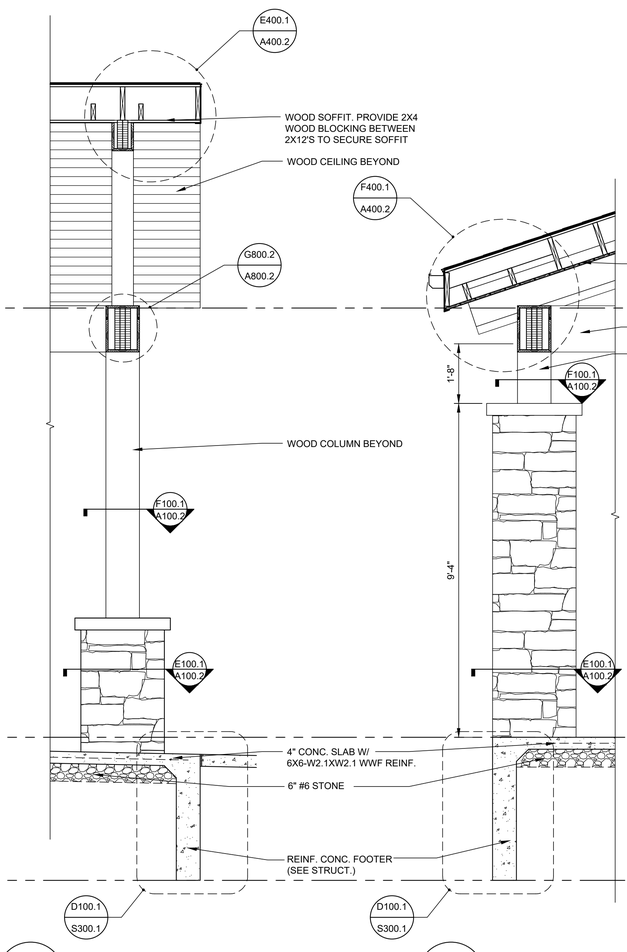

C700.1 / A800.2 **WALL SECTION**
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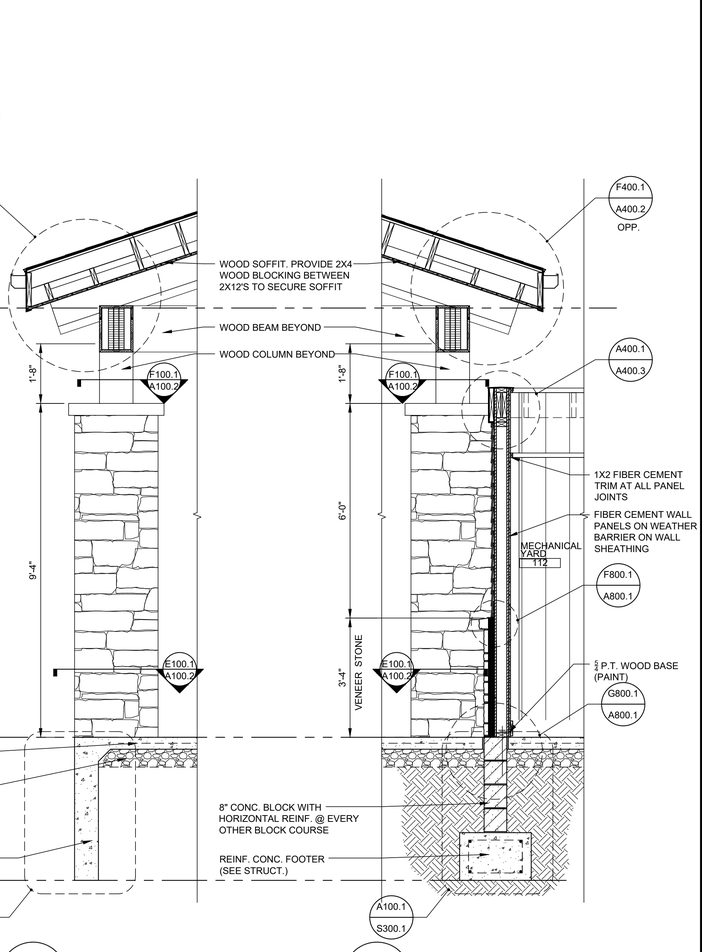

D700.2 / A800.2 **WALL SECTION**
SCALE: 1/2"=1'-0"

E700.2 / A800.2 **WALL SECTION**
SCALE: 1/2"=1'-0"

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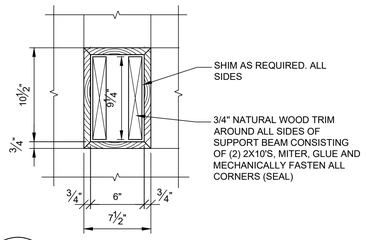
A800.2



F700.3 / A800.3 **WALL DETAIL**
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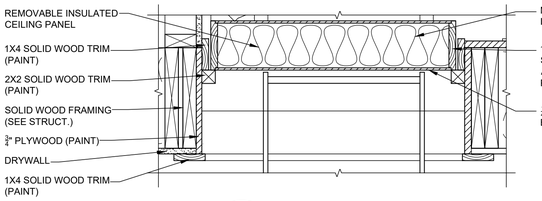

J800.3 / A800.3 **WALL DETAIL**
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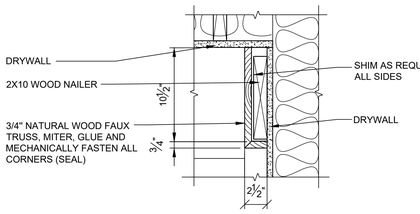

G800.3 / A800.3 **WALL DETAIL**
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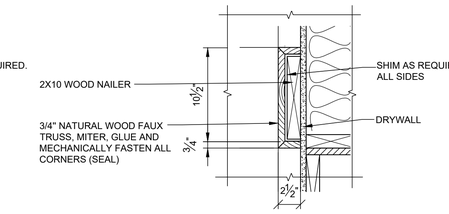

H800.3 / A800.3 **WALL DETAIL**
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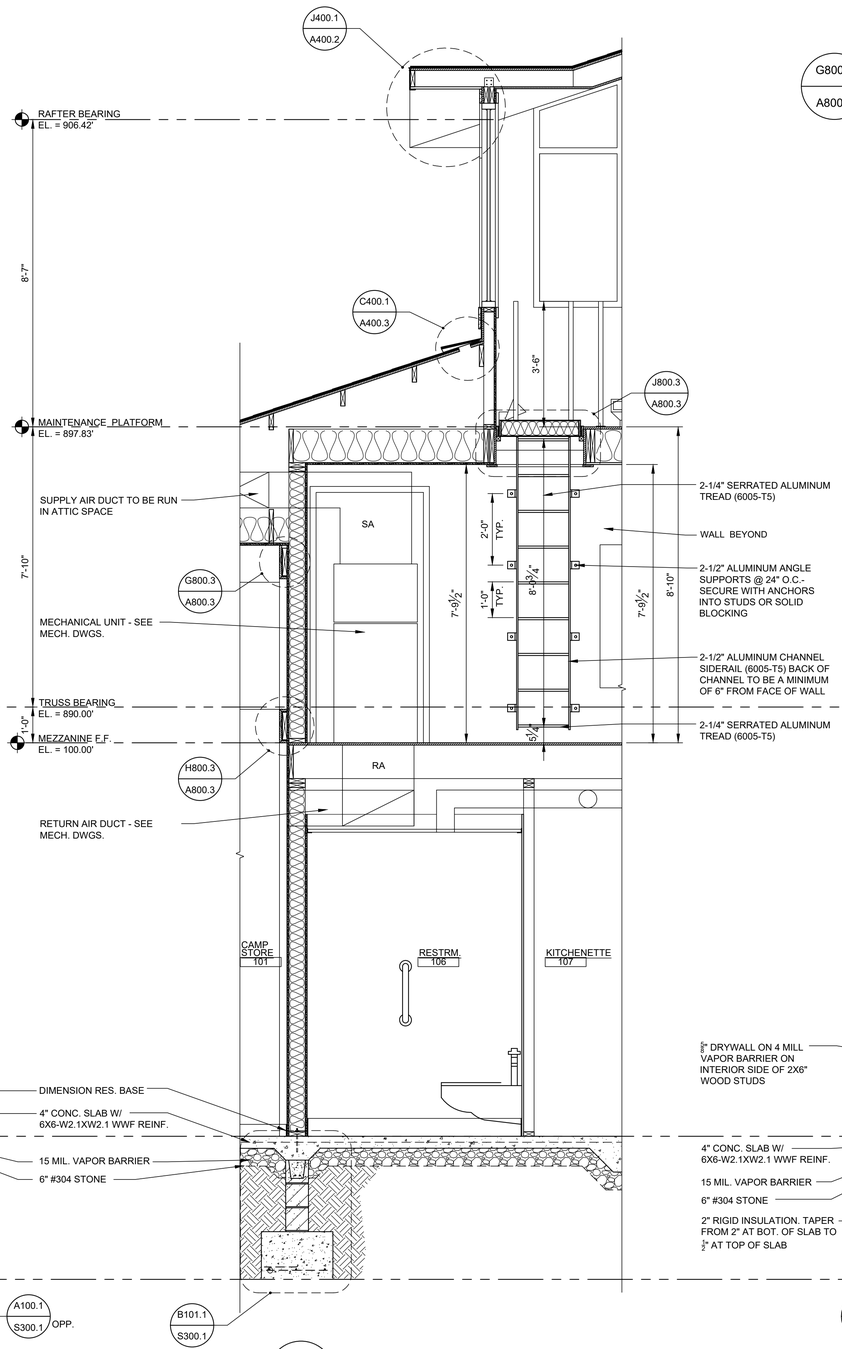
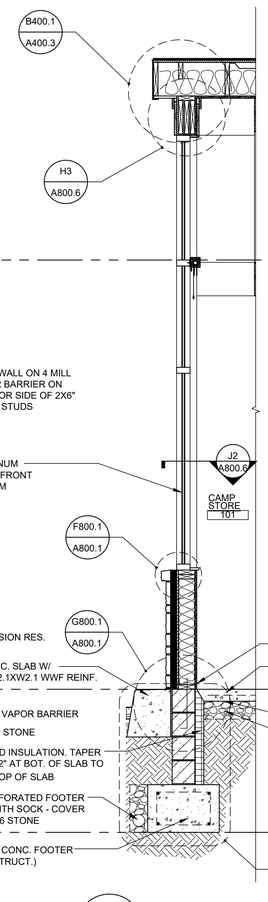
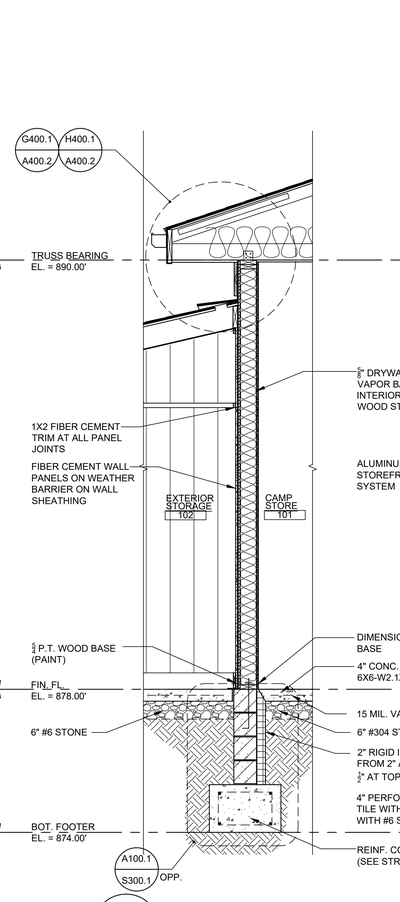


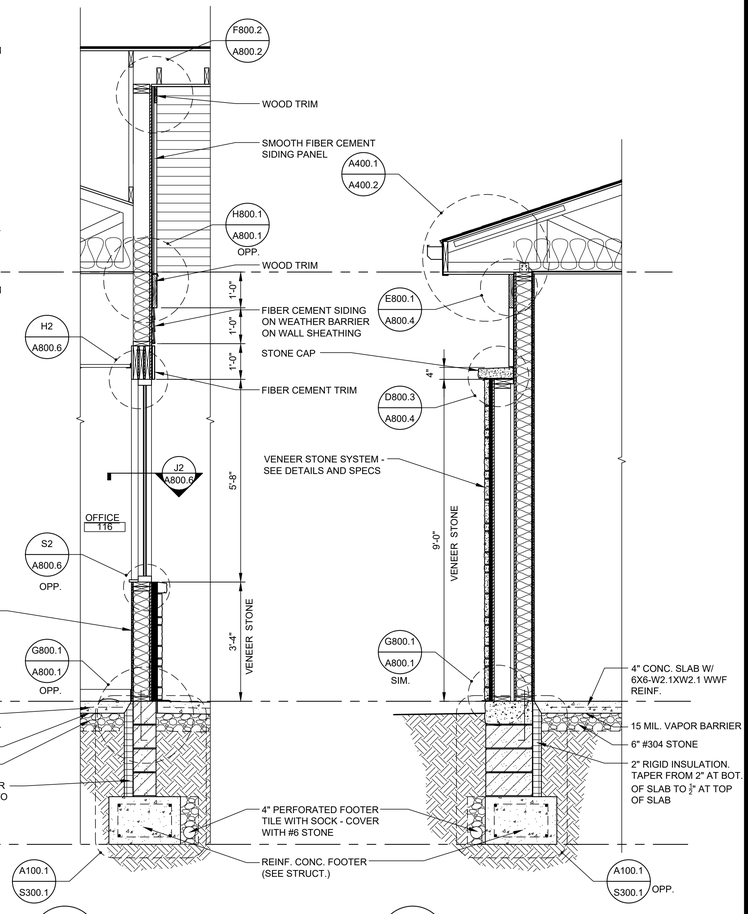




A700.2 / A800.3 **WALL SECTION**
SCALE: 1/2"=1'-0"

B700.3 / A800.3 **WALL SECTION**
SCALE: 1/2"=1'-0"

C700.3 / A800.3 **WALL SECTION**
SCALE: 1/2"=1'-0"



D700.3 / A800.3 **WALL SECTION**
SCALE: 1/2"=1'-0"

E100.2 / A800.3 **WALL SECTION**
SCALE: 1/2"=1'-0"

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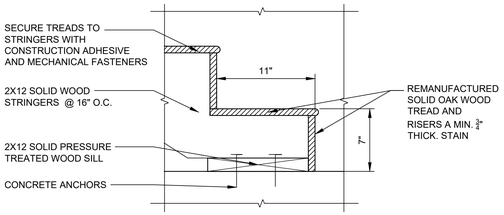

B800.4 / A800.4 **WALL SECTION**
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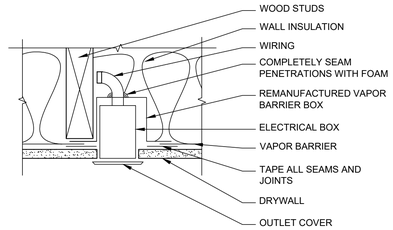
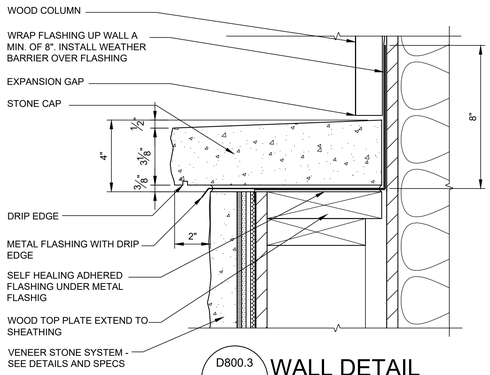


C8004 / A800.4 **VAPOR BARRIER DETAIL**
SCALE: 1 1/2"=1'-0"

TYP. ALL EXTERIOR WALL ELECTRICAL AND TECH. BOXES.



D800.3 / A800.4 **WALL DETAIL**
SCALE: 3"=1'-0"

SIDING NOTES

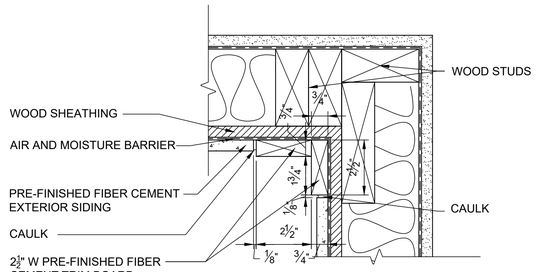
1. PROVIDE TYVEK OR APPROVED EQUAL CONTINUOUS BUILDING WRAP AIR & WATER RESISTIVE BARRIER ON THE EXTERIOR SIDE OF ALL EXTERIOR WALLS. ALL SEAMS AND PENETRATIONS TO BE TAPED WITH HARIDE WRAP WEATHER BARRIER TAPE OR APPROVED EQUAL.

2. STAGGER ALL BUTT JOINTS (JOIN AT STUD LOCATIONS ONLY) FINISH ALL CUT ENDS. AVOID PLACING BUTT JOINTS DIRECTLY ABOVE AND BELOW WINDOWS

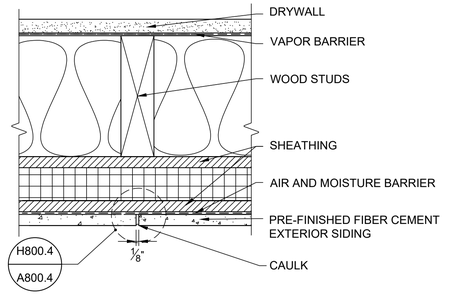
3. INSTALL TRIM FIRST AND BUTT LAP SIDING INTO TRIM. DO NOT INSTALL TRIM OVER LAP SIDING

4. STOP SIDING 6" ABOVE GRADE AND W" ABOVE CONCRETE STOOPS

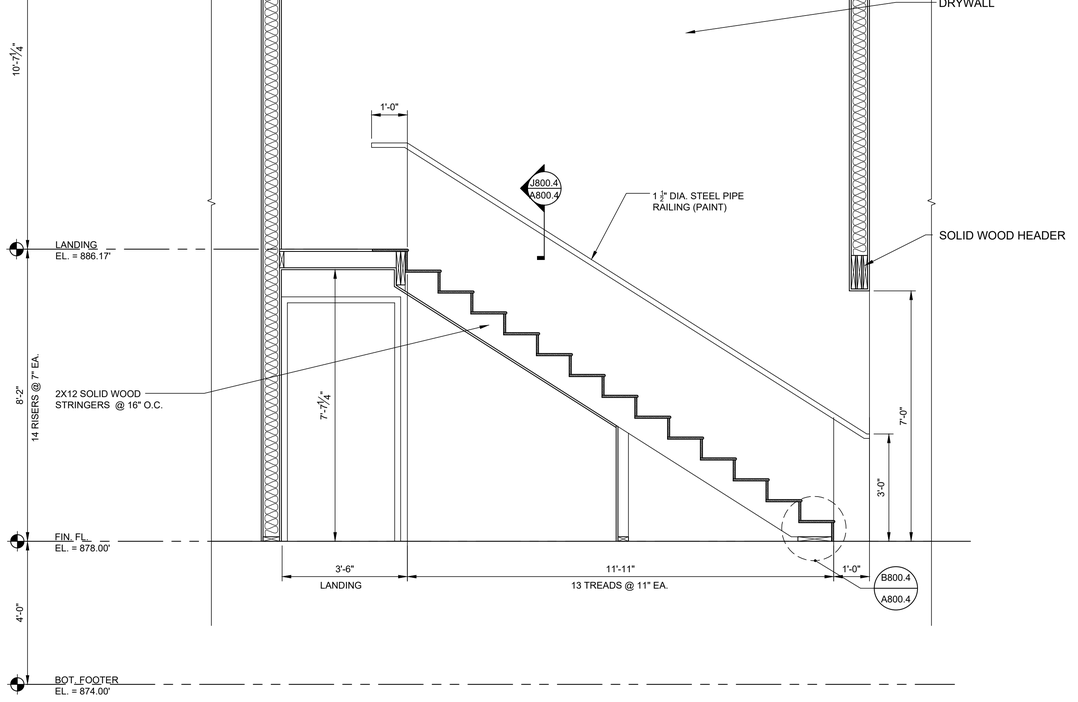
5. SIDING SHALL BE CEMENT FIBER BOARD 5/16" THICK, 5 ¼" WIDTH, 4" EXPOSED SIDING, 12' PLANKS OR APPROVED EQUAL BY ARCHITECT.



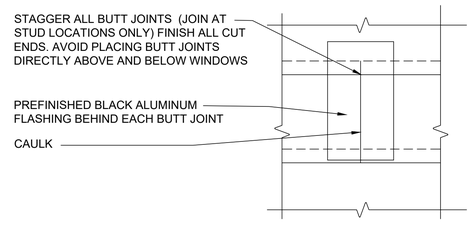
F800.4 / A800.4 **INSIDE CORNER SIDING DETAILS**
SCALE: 3"=1'-0"



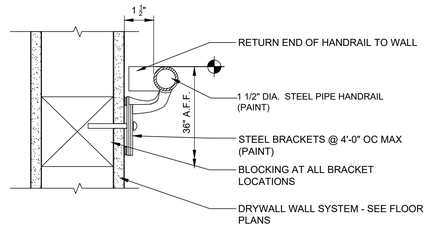
G800.4 / A800.4 **VERTICAL JOINT SIDING DETAILS**
SCALE: 3"=1'-0"



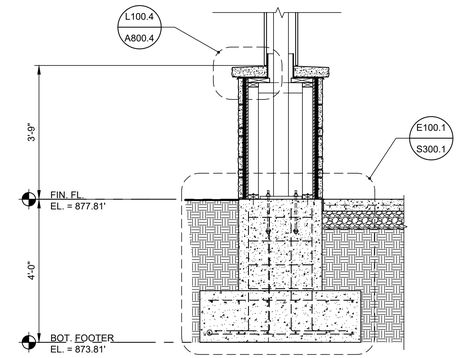
A100.1 / A800.4 **WALL SECTION**
SCALE: 1/2"=1'-0"



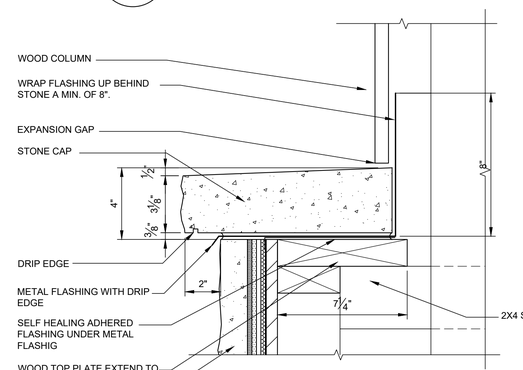
H800.4 / A800.4 **BUTT JOINT SIDING DETAILS**
SCALE: 3"=1'-0"



J800.4 / A800.4 **RAILING DETAIL**
SCALE: 1 1/2"=1'-0"



K100.2 / A800.4 **COLUMN DETAIL**
SCALE: 1/2"=1'-0"



L100.4 / A800.4 **COLUMN DETAIL**
SCALE: 1/2"=1'-0"

STATE OF OHIO
KENT D. BUEHRER
11087
REGISTERED ARCHITECT
KENT D. BUEHRER, LICENSE #11087
EXPIRATION DATE 12/31/25
SIGNATURE DATE 09/19/25

GLSM PARK OFFICE
FOR
OHIO DEPARTMENT OF NATURAL RESOURCES DNR-250013
AUGLAZE COUNTY, OHIO

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REVISION SCHEDULE

ISSUE DATE: 09/19/2025
JOB NUMBER: 241224
CONSTRUCTION DOCUMENTS

A800.4

DOOR NOTES

1. PROVIDE TACTILE SIGN STATING EXIT AND COMPLYING WITH ICC A 117.1 FOR ALL EGRESS DOORS. SIGNS SHALL HAVE RAISED SYMBOLS AND BRAILLED CHARACTERS. RAISED LETTERS SHALL BE ONE MONOLITHIC PIECE WITH THE SIGN. LETTERS SHALL BE RAISED 1/32". SIGNS SHALL BE PLACED AT THE LATCH SIDE OF THE DOOR AND SHALL BE MOUNTED @ 60" ABOVE FINISH FLOOR

2. COORDINATE ALL KEYING OF DOOR LOCKS WITH OWNER. VERIFY DOOR HARDWARE SPECIFICATIONS INCLUDING BUT NOT LIMITED TO COLOR, STYLE, ETC. W/ OWNER

3. ALL EGRESS DOORS SHALL BE READILY OPENABLE FROM SIDE OF EGRESS AND COMPLY W/ OBC 1008.1.9, ICC A117.1-2009 404.2.6 AND A117.1-2009 404.2.8. HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING PARTS ON DOORS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP AND DOES NOT REQUIRED TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. HARDWARE SHALL BE 34" MINIMUM AND 48" MAXIMUM ABOVE THE FINISHED FLOOR. ALL FIRE DOORS SHALL HAVE A MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE FORE FOR PUSHING OR PULLING A DOOR OTHER THAN FIRE DOORS TO BE 5 POUNDS MAX FOR INTERIOR HINGED DOOR, SLIDING OR FOLDING DOORS.

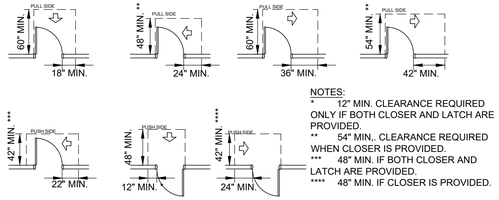
4. FOAM INSULATE ALL VOIDS AROUND DOORS THAT CAN NOT BE INSULATED WITH BATT.

5. INSTALL ALL FLASHING PER THE DOOR AND SIDING MANUFACTURERS RECOMMENDATIONS.

6. ALL EXTERIOR GLASS TO BE 1" INSULATING GLASS, LOW-E, 1/4" TEMPERED TINTED AND 1/4" TEMPERED.

7. ALL INTERIOR GLASS, ALL GLASS IN DOORS AND IN DOOR FRAMES, AND ANY GLASS IN HAZARDOUS LOCATIONS AS DEFINED IN MBC SECTION 2404.01 TO BE 1/4" TEMPERED GLASS AND COMPLY WITH MBC SECTION 2406.1 THROUGH 2406.1.4. HAZARDOUS LOCATIONS INCLUDE BUT ARE NOT LIMITED TO, GLAZING IN AND ADJACENT TO DOORS, GLAZING IN WINDOWS WHERE AN INDIVIDUAL PANE IS GREATER THAN 9 SF, AND OR THE BOTTOM EDGE OF THE GLAZING IS 18 INCHES ABOVE THE FLOOR, AND OR THE TOP EDGE OF THE GLAZING IS GREATER THAN 36 INCHES ABOVE THE FLOOR, AND OR ONE OR MORE WALKING SURFACES ARE WITHIN 36 INCHES MEASURED HORIZONTALLY AND IN A STRAIGHT LINE OF THE PLANE OF GLAZING.

8. FIELD VERIFY ALL EXISTING AND NEW WALL THICKNESSES PRIOR TO ORDERING DOORS AND FRAMES.



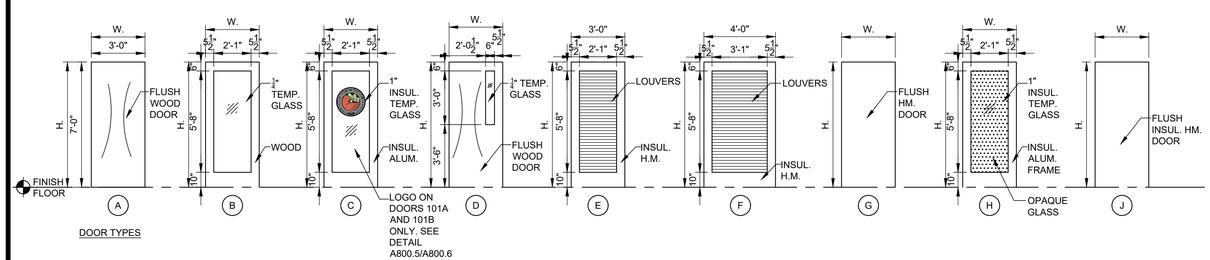
NOTES:
* 12" MIN. CLEARANCE REQUIRED ONLY IF BOTH CLOSER AND LATCH ARE PROVIDED.
** 54" MIN,. CLEARANCE REQUIRED WHEN CLOSER IS PROVIDED.
*** 48" MIN. IF BOTH CLOSER AND LATCH ARE PROVIDED.
**** 48" MIN. IF CLOSER IS PROVIDED.

TYPICAL DOOR APPROACH DETAILS

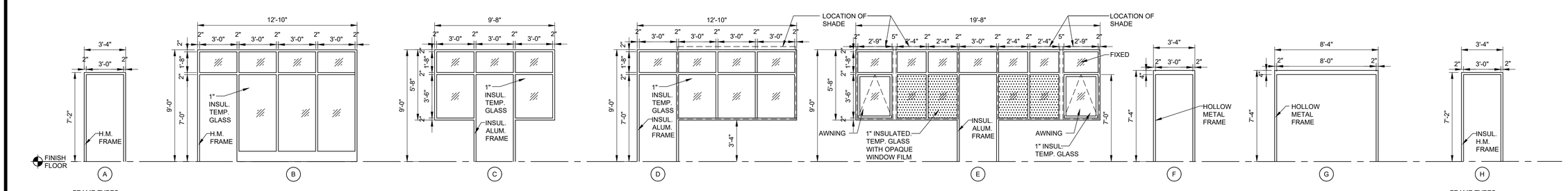
SCALE: 1/8"=1'-0"

DOOR SCHEDULE

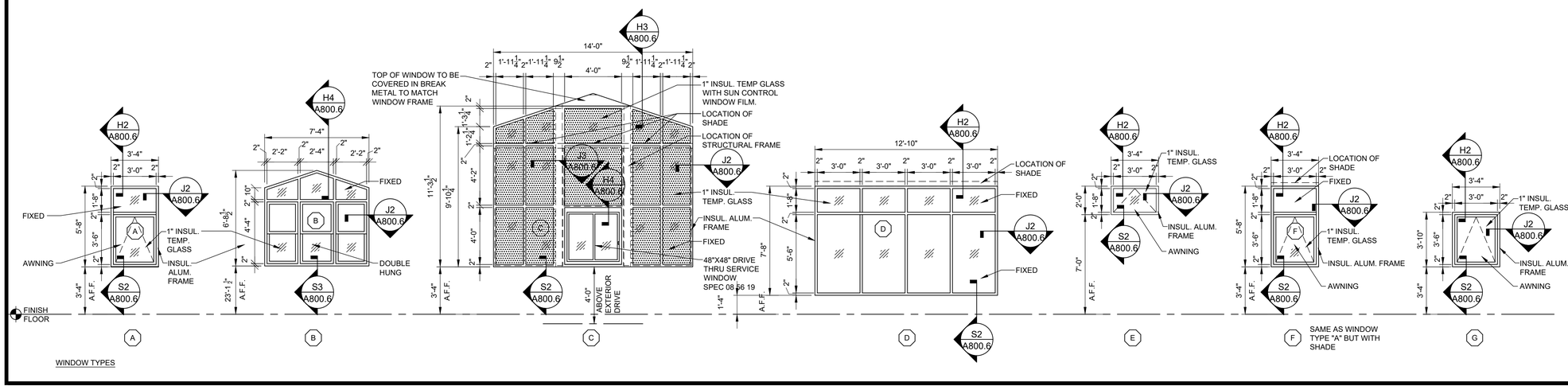
OPENING No.	DOOR SIZE W	DOOR SIZE H	DOOR T	DOOR TYPE	LOUVER W	LOUVER H	DOOR MATERIAL/ FINISH	FRAME SIZE W	FRAME SIZE H	FRAME TYPE	FRAME MATERIAL/ FINISH	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	OPENING U.L. LABEL	OPENING HAND	HARDWARE SET No.	HARDWARE KEYSIDE RM. No.	HARDWARE FUNCTION	WALL THICK-NESS	REMARKS
101A	3'-0"	7'-0"	1 3/4"	C	-	-	INSUL. ALUM.	9'-8"	9'-0"	C	INSUL. ALUM.	H2	J2	S1	-	RHR	1	OUTSIDE	KEYPAD	7"	DOOR ACCESS (BATTERY KEY CODE)
101B	3'-0"	7'-0"	1 3/4"	C	-	-	INSUL. ALUM.	9'-8"	9'-0"	C	INSUL. ALUM.	H2	J2	S1	-	LHR	1	OUTSIDE	KEYPAD	7"	DOOR ACCESS (BATTERY KEY CODE)
101C	3'-0"	7'-0"	1 3/4"	J	-	-	INSUL. H.M.	3'-4"	7'-2"	H	INSUL. H.M.	H2 SIM.	J2 SIM.	S1	-	LHR	2	RM. 101	CLASSROOM	7"	"
101D	3'-0"	3'-6"	-	-	-	-	WOOD	-	-	-	-	-	-	-	-	-	3	-		-	BY CASEWORK CONTRACTOR
102A	(2) 4'-0"	7'-0"	1 3/4"	F	37"	68"	H.M.	8'-4"	7'-4"	G	H.M.	H2 SIM.	J2 SIM.	-	-	RHR/LHR	4	OUTSIDE	STOREROOM	5"	LOUVERED DOOR
102B	3'-0"	7'-0"	1 3/4"	E	37"	68"	H.M.	3'-4"	7'-4"	F	H.M.	H2 SIM.	J2 SIM.	-	-	RHR	2	OUTSIDE	CLASSROOM	5"	LOUVERED DOOR
103A	3'-0"	7'-0"	1 3/4"	A	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	RHR	5	RM. 101	CLASSROOM	5"	"
103B	3'-0"	7'-0"	1 3/4"	D	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	LHR	6	CORR. 114	CLASSROOM	5"	"
104A	3'-0"	7'-0"	1 3/4"	C	-	-	INSUL. ALUM.	12'-10"	9'-0"	D	INSUL. ALUM.	H2	J2	S1	-	LHR	1	OUTSIDE	KEYPAD	7"	DOOR ACCESS (BATTERY KEY CODE)
104B	3'-0"	7'-0"	1 3/4"	B	-	-	WOOD	12'-10"	9-0"	B	H.M.	H1	J1	-	-	LHR	5	RM. 101	CLASSROOM	5"	"
104C	3'-0"	3'-6"	-	-	-	-	WOOD	-	-	-	-	-	-	-	-	-	3	-		-	BY CASEWORK CONTRACTOR
105A	3'-0"	7'-0"	1 3/4"	A	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	RHR	5	RM. 103	CLASSROOM	7"	"
106A	3'-0"	7'-0"	1 3/4"	A	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	RH	7	RM. 101	PRIVACY	7"	"
108A	3'-0"	7'-0"	1 3/4"	A	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	LH	7	RM. 104	PRIVACY	7"	"
109A	3'-0"	7'-0"	1 3/4"	A	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	RH	7	CORR. 114	PRIVACY	7"	"
110A	3'-0"	7'-0"	1 3/4"	A	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	RH	5	CORR. 114	CLASSROOM	5"	"
111A	3'-0"	7'-0"	1 3/4"	A	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	LH	5	CORR. 114	CLASSROOM	5"	"
112A	(2) 4'-0"	7'-0"	1 3/4"	F	37"	68"	H.M.	8'-4"	7'-4"	G	H.M.	H2 SIM.	J2 SIM.	-	-	RHR/LHR	4	OUTSIDE	STOREROOM	5"	LOUVERED DOOR
113A	3'-0"	7'-0"	1 3/4"	A	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	LH	5	CORR. 114	CLASSROOM	5"	"
116A	3'-0"	7'-0"	1 3/4"	H	-	-	INSUL. ALUM.	19'-8"	9'-0"	E	INSUL. ALUM.	H2	J2	S1	-	RHR	1	OUTSIDE	KEYPAD	7"	DOOR ACCESS (BATTERY KEY CODE)
116B	3'-0"	7'-0"	1 3/4"	A	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	RH	8	CORR. 114	KEYPAD	7"	DOOR ACCESS (BATTERY KEY CODE)
117A	3'-0"	7'-0"	1 3/4"	A	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	RH	5	CORR. 114	CLASSROOM	5"	"
118A	3'-0"	7'-0"	1 3/4"	A	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	RH	5	CORR. 114	CLASSROOM	5"	"
119A	3'-0"	7'-0"	1 3/4"	A	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	LH	5	CORR. 114	CLASSROOM	5"	"
200A	3'-0"	7'-0"	1 3/4"	G	-	-	H.M.	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	RH	9	STAIR 115	STOREROOM	5"	"
201A	3'-0"	7'-0"	1 3/4"	G	-	-	H.M.	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	RH	5	STAIR 115	STOREROOM	5"	"



DOOR TYPES



FRAME TYPES



WINDOW TYPES

WINDOW NOTES

1. PROVIDE INTERMETALIC SEPARATION WHERE REQ'D

2. SPRAY FOAM INSULATE ALL EXTERIOR WINDOW FRAMES TYP.

3. ALL INTERIOR GLASS, ALL GLASS IN DOORS AND IN DOOR FRAMES, AND ANY GLASS IN HAZARDOUS LOCATIONS AS DEFINED IN OBC SECTION 2404.01 TO BE 1/4" TEMPERED GLASS AND COMPLY WITH OBC SECTION 2406.1 THROUGH 2406.1.4. HAZARDOUS LOCATIONS INCLUDE BUT ARE NOT LIMITED TO, GLAZING IN AND ADJACENT TO DOORS, GLAZING IN WINDOWS WHERE AN INDIVIDUAL PANE IS GREATER THAN 9 SF, AND OR THE BOTTOM EDGE OF THE GLAZING IS 18 INCHES ABOVE THE FLOOR, AND OR THE TOP EDGE OF THE GLAZING IS GREATER THAN 36 INCHES ABOVE THE FLOOR, AND OR ONE OR MORE WALKING SURFACES ARE WITHIN 36 INCHES MEASURED HORIZONTALLY AND IN A STRAIGHT LINE OF THE PLANE OF GLAZING.

4. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO WINDOW MANUFACTURING AND INSTALLATION. REPORT ANY UNSATISFACTORY CONDITIONS TO ARCHITECT. NOTE THAT THERE ARE VARIATIONS ON ACTUAL R.O. DIMENSIONS DUE TO EXISTING CONDITIONS.

5. WIDTH OF WINDOW JAMB TO COVER ANY GAPS. FIELD VERIFY REQUIRED JAMB WIDTH.

STATE OF OHIO
KENT D. BUEHRER
11087
REGISTERED ARCHITECT

KENT D. BUEHRER, LICENSE #11087
EXPIRATION DATE 12/31/25
SIGNATURE DATE 09/19/25

GLSM PARK OFFICE
FOR
OHIO DEPARTMENT OF NATURAL RESOURCES DNR-250013
AUGLAZE COUNTY, OHIO

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architecture & engineering, inc.
314 CONANT ST., MAUMEE, OH 43537 | P 419.893.9021 F 419.893.9027 | BUEHRERGROUP.COM

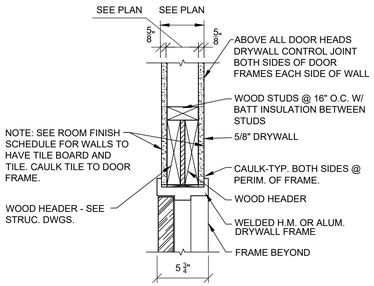
REVISION SCHEDULE

ISSUE DATE: 09/19/2025

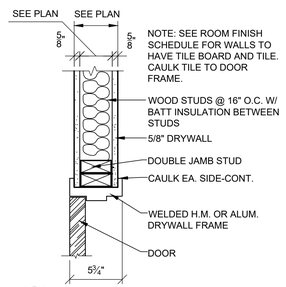
JOB NUMBER: 241224

CONSTRUCTION DOCUMENTS

A800.5



H1 / A800.6 HEAD DETAIL
SCALE: 1 1/2"=1'-0"



J1 / A800.6 JAMB DETAIL
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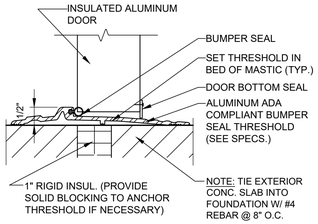
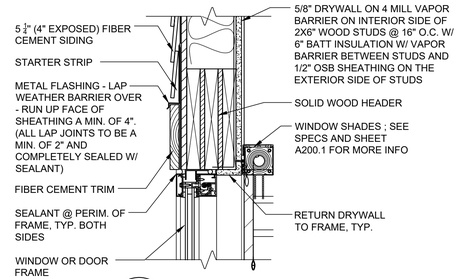
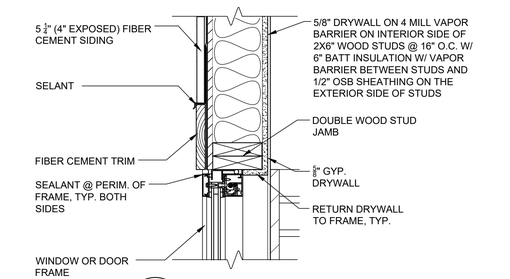


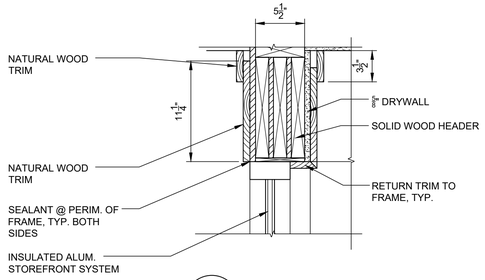
S1 / A800.6 SILL DETAIL
SCALE: N.T.S.



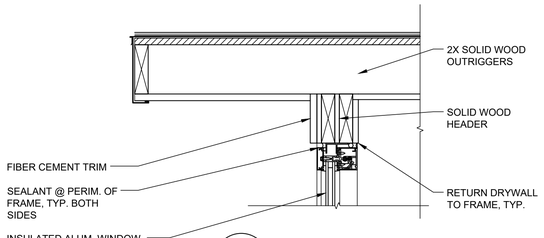
H2 / A800.6 HEAD DETAIL
SCALE: 1 1/2"=1'-0"



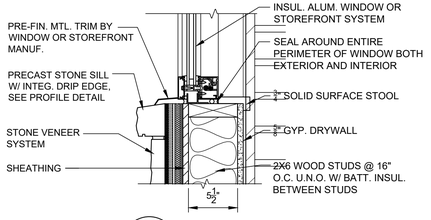
J2 / A800.6 JAMB DETAIL
SCALE: 1 1/2"=1'-0"



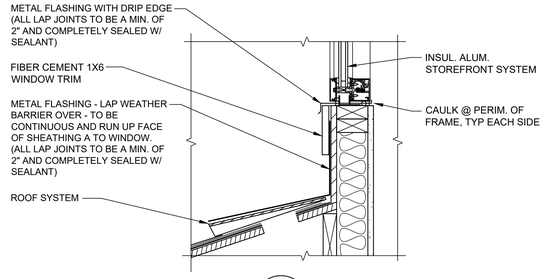
H3 / A800.6 HEAD DETAIL
SCALE: 1 1/2"=1'-0"



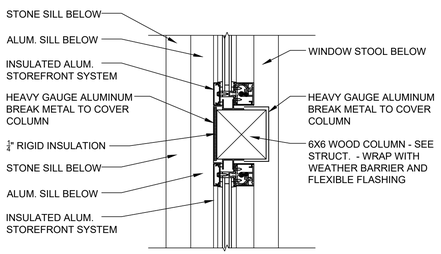
H4 / A800.6 HEAD DETAIL
SCALE: 1 1/2"=1'-0"



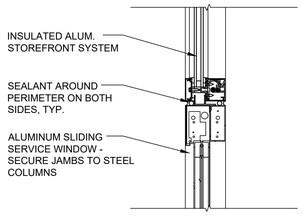
S2 / A800.6 SILL DETAIL
SCALE: 1 1/2"=1'-0"



S3 / A800.6 SILL DETAIL
SCALE: 1 1/2"=1'-0"



J3 / A800.6 HEAD DETAIL
SCALE: 1 1/2"=1'-0"



H4 / A800.6 HEAD DETAIL
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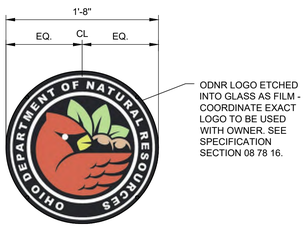

A800.5 / A800.6 LOGO DETAIL
SCALE: N.T.S.

STATE OF OHIO
KENT D. BUEHRER
11087
REGISTERED ARCHITECT
KENT D. BUEHRER, LICENSE #11087
EXPIRATION DATE 12/31/25
SIGNATURE DATE 09/19/25

GLSM PARK OFFICE
FOR
OHIO DEPARTMENT OF NATURAL RESOURCES DNR-250013
AUGLAZE COUNTY, OHIO

BUEHRERGROUP
architecture & engineering, inc.
314 CONANT ST., MAUMEE, OH 43537 I P 419.893.9021 F 419.893.9027 I BUEHRERGROUP.COM

REVISION SCHEDULE

ISSUE DATE: 09/19/2025

JOB NUMBER: 241224

CONSTRUCTION DOCUMENTS

A800.6

A900.1
A900.1
IINTERIOR RENDERING CAMP STORE
SCALE: 1/4"=1'-0"

B900.1
A900.1
IINTERIOR RENDERING CAMP STORE
SCALE: 1/4"=1'-0"

NOTE: RENDERINGS ARE FOR REFERENCE AND ARE TO CONVEY DESIGN INTENT ONLY. DO NOT SCALE OFF RENDERINGS. REFER TO DRAWINGS FOR ALL CONSTRUCTION DETAILS

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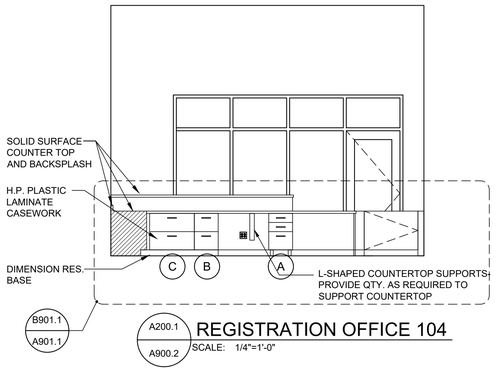
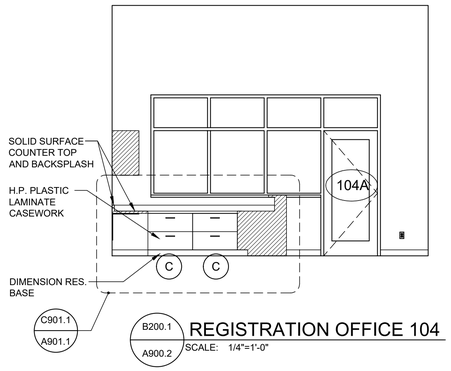
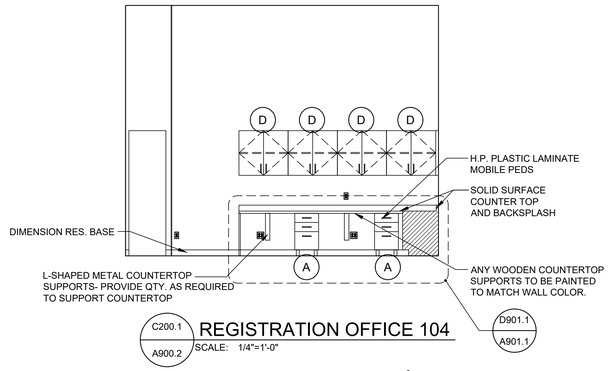
A900.1



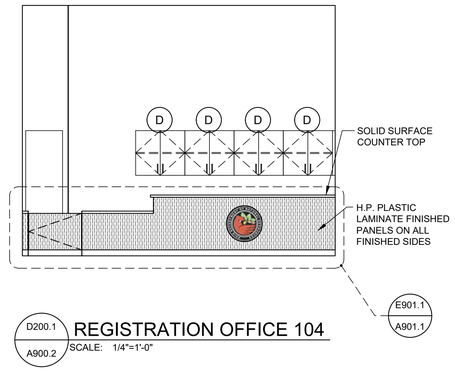
A200.1 / A900.2 REGISTRATION OFFICE 104
SCALE: 1/4"=1'-0"



B200.1 / A900.2 REGISTRATION OFFICE 104
SCALE: 1/4"=1'-0"



C200.1 / A900.2 REGISTRATION OFFICE 104
SCALE: 1/4"=1'-0"



D200.1 / A900.2 REGISTRATION OFFICE 104
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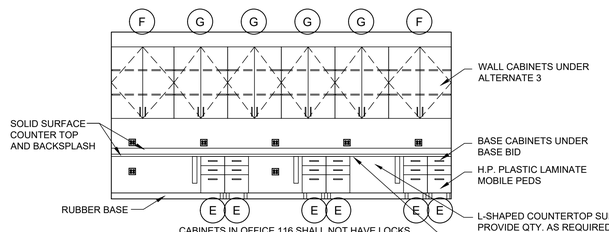

E200.1 / A900.2 OFFICE 116
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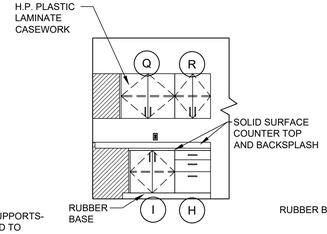
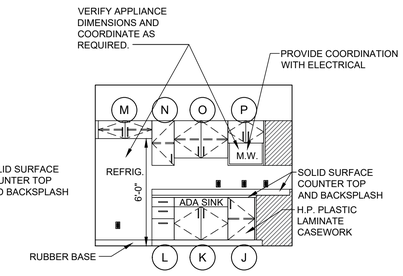
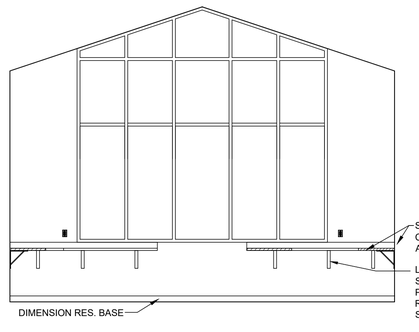


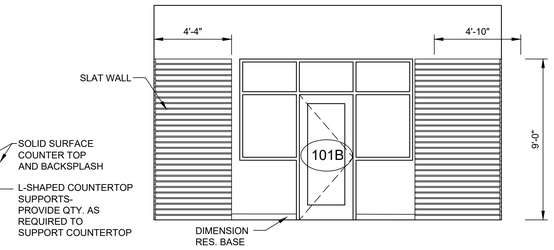
F200.1 / A900.2 KITCHENETTE 107
SCALE: 1/4"=1'-0"



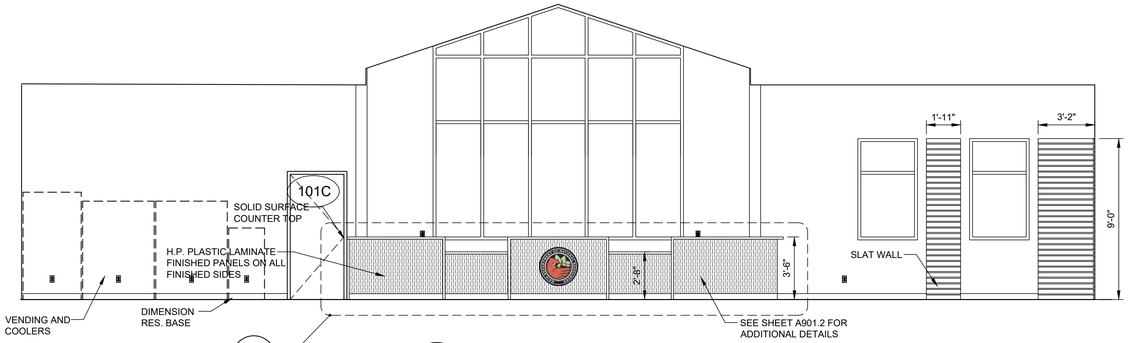
G200.1 / A900.2 KITCHENETTE 107
SCALE: 1/4"=1'-0"



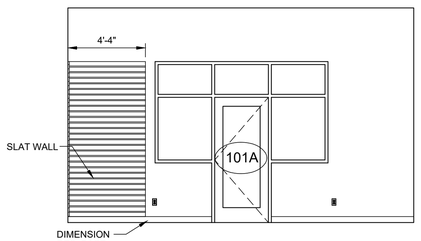
H200.1 / A900.2 CAMP STORE 101
DESK ELEVATION - BASE BID
SCALE: 1/4"=1'-0" NOTE: SEE P200.1/A900.3 FOR ALT. 3



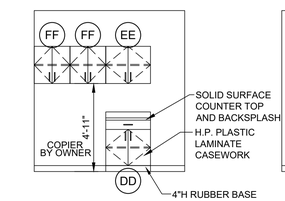
J200.1 / A900.2 CAMP STORE 101 - BASE BID
SCALE: 1/4"=1'-0" NOTE: SEE J200.1/A900.3 FOR ALT. 3



K200.1 / A900.2 CAMP STORE 101 - BASE BID
SCALE: 1/4"=1'-0" NOTE: SEE L200.1/A900.3 FOR ALT. 3



L200.1 / A900.2 CAMP STORE 101
SCALE: 1/4"=1'-0"



M200.1 / A900.2 CORRIDOR 114
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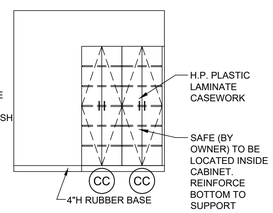
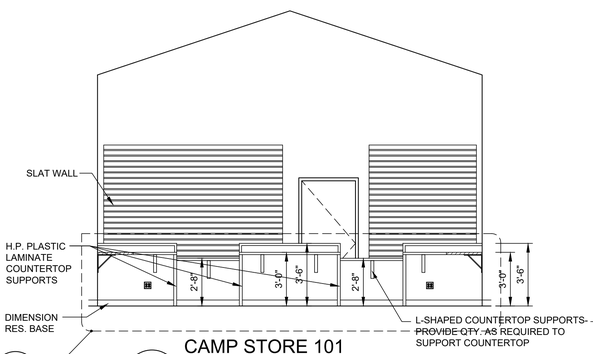
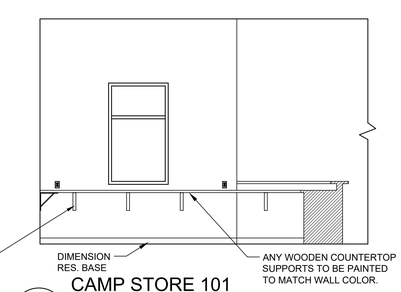


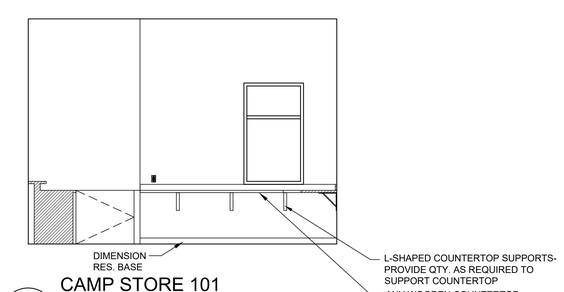
N200.1 / A900.2 CORRIDOR 114
SCALE: 1/4"=1'-0"



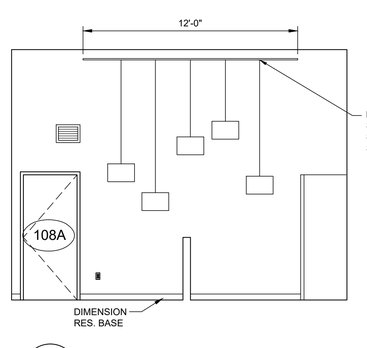
P200.1 / A900.2 CAMP STORE 101
DESK ELEVATION - BASE BID
SCALE: 1/4"=1'-0" NOTE: SEE F200.1/A900.3 FOR ALT. 3



Q200.1 / A900.2 CAMP STORE 101
DESK ELEVATION - BASE BID
SCALE: 1/4"=1'-0" NOTE: SEE G200.1/A900.3 FOR ALT. 3



R200.1 / A900.2 CAMP STORE 101
DESK ELEVATION - BASE BID
SCALE: 1/4"=1'-0" NOTE: SEE H200.1/A900.3 FOR ALT. 3



S200.1 / A900.2 REGISTRATION OFFICE 104
SCALE: 1/4"=1'-0"

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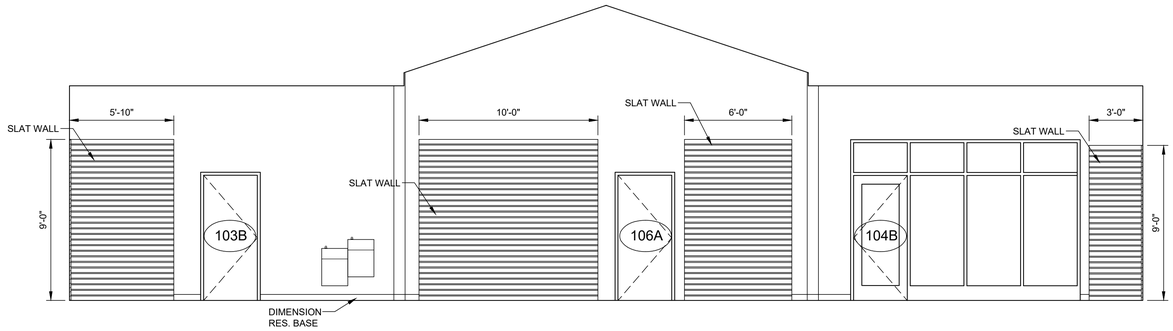
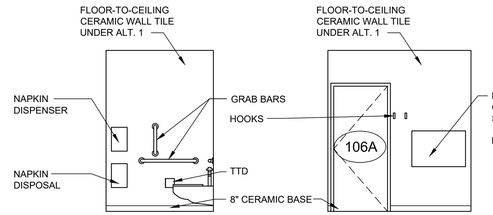
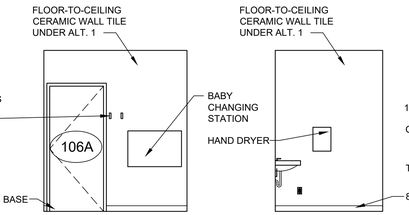
A900.2



A200.1 / A900.3 CAMP STORE 101 ELEVATION - BASE BID
SCALE: 1/4"=1'-0" NOTE: SEE N200.1/A900.3 FOR ALT.

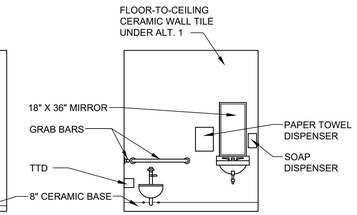


B500.1 / A900.3 RESTROOM ELEVATION (SIM)
SCALE: 1/4"=1'-0"

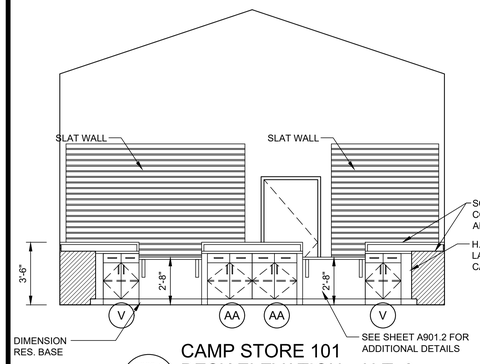


C500.1 / A900.3 RESTROOM ELEVATION (SIM)
SCALE: 1/4"=1'-0"

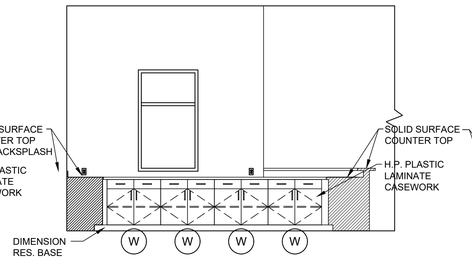
D500.1 / A900.3 RESTROOM ELEVATION (SIM)
SCALE: 1/4"=1'-0"



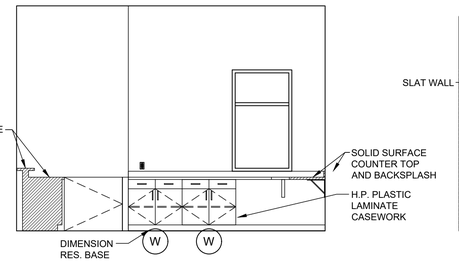
E500.1 / A900.3 RESTROOM ELEVATION (SIM)
SCALE: 1/4"=1'-0"



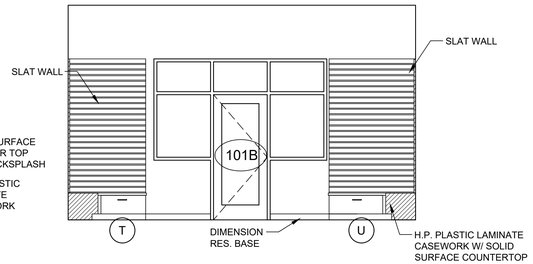
F200.1 / A900.3 CAMP STORE 101 DESK ELEVATION - ALT. 3
SCALE: 1/4"=1'-0" NOTE: SEE P200.1/A900.2 FOR BASE BID



G200.1 / A900.3 CAMP STORE 101 DESK ELEVATION - ALT. 3
SCALE: 1/4"=1'-0" NOTE: SEE Q200.1/A900.2 FOR BASE BID



H200.1 / A900.3 CAMP STORE 101 DESK ELEVATION - ALT. 3
SCALE: 1/4"=1'-0" NOTE: SEE R200.1/A900.2 FOR BASE BID

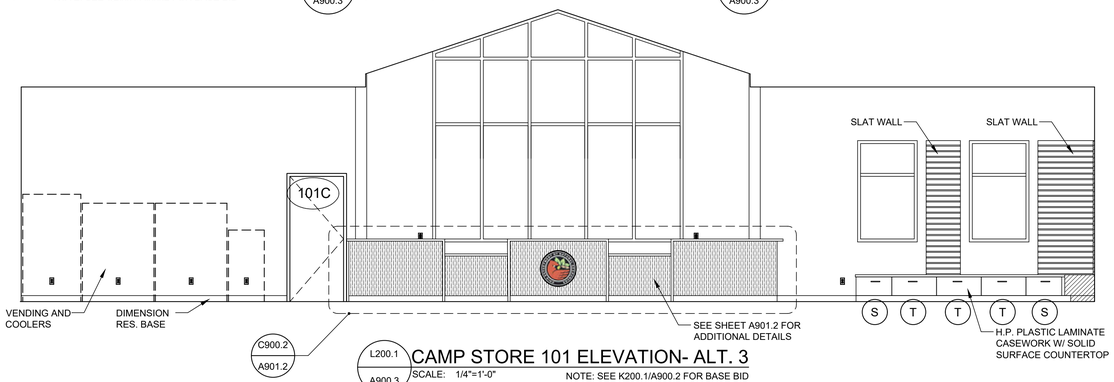


J200.1 / A900.3 CAMP STORE 101 - ALT. 3
SCALE: 1/4"=1'-0" NOTE: SEE J200.1/A900.2 FOR BASE BID

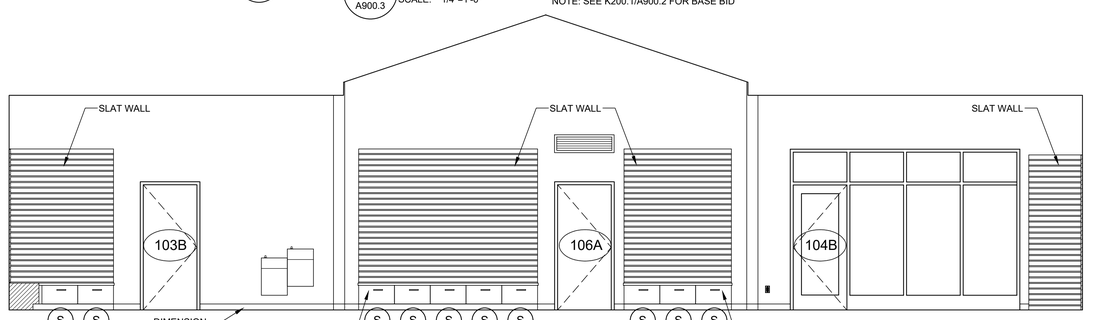
CASEWORK LEGEND

A	MOBILE BBF PEDESTAL (2) BOX DRAWERS, (1) FILE DRAWER, (4) CASTERS, FINISHED TOP 15"W X 21"D X 29"H COORDINATE DIMENSIONS WITH COUNTERTOP & SUPPORTS SO MOBILE PED FITS COMPLETELY UNDER COUNTERTOP	B	MOBILE FF PEDESTAL (2) FILE DRAWERS, (4) CASTERS, FINISHED TOP 15"W X 21"D X 29"H	C	FIXED LATERAL FILE (2) LATERAL FILE DRAWERS 30"W X 24"D X 29"H
D	WALL CABINET (2) DOORS, (1) ADJ. SHELF 33"W X 18"D X 30"H	E	MOBILE BBF PEDESTAL (2) BOX DRAWERS, (1) FILE DRAWER, (4) CASTERS, FINISHED TOP 15"W X 24"D X 29"H COORDINATE DIMENSIONS WITH COUNTERTOP & SUPPORTS SO MOBILE PED FITS COMPLETELY UNDER COUNTERTOP	F	WALL CABINET (2) DOORS, (2) ADJ. SHELVES 42"W X 18"D X 48"H
G	WALL CABINET (2) DOORS, (2) ADJ. SHELVES 36"W X 18"D X 48"H	H	ADA BASE CABINET (3) DRAWERS 24"W X 24"D X 32"H	I	ADA BASE CABINET (2) DOORS, (1) ADJ. SHELF 30"W X 24"D X 32"H
J	ADA BASE CABINET (1) DOOR, (1) ADJ. SHELF 18"W X 24"D X 32"H	K	ADA SINK BASE CABINET (2) DOORS, (1) ADJ. SHELF 36"W X 24"D X 32"H	L	ADA BASE CABINET (3) DRAWERS 15"W X 24"D X 32"H
M	WALL CABINET (2) DOORS 36"W X 18"D X 12"H	N	WALL CABINET (1) DOOR, (1) ADJ. SHELF 15"W X 18"D X 30"H	O	WALL CABINET (2) DOORS 36"W X 18"D X 25"H
P	MICROWAVE WALL CABINET (2) DOORS ABOVE, OPEN SHELF BELOW 24"W X 18"D X 30"H VERIFY DIMENSIONS OF MICROWAVE PRIOR TO FABRICATION	Q	WALL CABINET (2) DOORS 36"W X 18"D X 30"H	R	WALL CABINET (2) DOORS 24"W X 18"D X 30"H
S	LOW BASE CABINET (1) DRAWER 24"W X 20"D X 18"H	T	LOW BASE CABINET (1) DRAWER 30"W X 20"D X 18"H	U	LOW BASE CABINET (1) DRAWER 36"W X 20"D X 18"H
V	BASE CABINET (2) DRAWERS, (2) DOORS, (1) ADJ. SHELF 24"W X 24"D X 36"H	W	BASE CABINET (2) DRAWERS, (2) DOORS, (1) ADJ. SHELF 36"W X 24"D X 36"H	X	FIXED BBBF PEDESTAL (3) BOX DRAWERS, (1) FILE DRAWER 15"W X 24"D X 36"H
Y	FIXED BFF PEDESTAL (1) BOX DRAWER, (2) FILE DRAWERS 15"W X 24"D X 36"H	Z	BASE CABINET (2) DRAWERS, (2) DOORS, (1) ADJ. SHELF 33"W X 24"D X 36"H	AA	BASE CABINET (2) DRAWERS, (2) DOORS, (1) ADJ. SHELF 30"W X 24"D X 30"H
BB	NOT USED	CC	TALL CABINET (2) DOORS, (5) ADJ. SHELF 27"W X 24"D X 84"H	DD	BASE CABINET (1) DRAWERS, (2) DOORS, (1) ADJ. SHELF 30"W X 24"D X 36"H
EE	WALL CABINET (2) DOORS, (1) ADJ. SHELF 30"W X 18"D X 25"H	FF	WALL CABINET (2) DOORS, (1) ADJ. SHELF 24"W X 18"D X 25"H	-	
S1	METAL STORAGE SHELVING 48"W X 24"D X 84"H SEE SPEC SECTION 10 56 13	S2	METAL STORAGE SHELVING 36"W X 24"D X 84"H SEE SPEC SECTION 10 56 13	-	

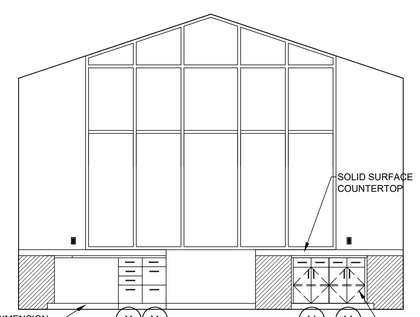
CASEWORK NOTES:
1. PROVIDE FILLERS AND FINISHED END PANELS AS SHOWN AND REQUIRED FOR A COMPLETE AND "FINISHED" INSTALLATION.
2. BASIS OF DESIGN IS STEVENS CASEMASTER. SEE SPEC SECTION 12 30 00 FOR APPROVED EQUALS.
3. FINAL GROMMET LOCATIONS IN ALL COUNTERTOPS SHALL BE COORDINATED WITH THE OWNER IN THE FIELD.
4. PROVIDE NECESSARY L-BRACKETS AND SUPPORTS FOR COUNTERTOPS. WOODEN SUPPORTS TO BE PAINTED TO MATCH WALL COLOR.
5. PROVIDE WOOD BLOCKING IN METAL STUD AND DRYWALL WALLS FOR MOUNTING CASEWORK, COUNTERS, TACK/ MARKERBOARDS, EQUIPMENT, ETC.
6. ALL CASEWORK, COUNTERTOPS, TACK/MARKERBOARDS, METAL SHELVING, ETC. MAY NOT BE SHOWN ON ELEVATIONS. SEE FLOOR PLANS FOR QUANTITIES AND LOCATIONS.
7. WINDOWS AND DOORS SHOWN FOR REFERENCE ONLY. SEE FLOOR PLANS, SECTIONS, AND WINDOW AND DOOR DETAILS FOR EXACT LOCATIONS AND DETAILS.
8. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND DETAILS.
9. CAMPSTORE 101, LOCKS ONLY PROVIDED AT CHECK DESK.



L200.1 / A900.3 CAMP STORE 101 ELEVATION- ALT. 3
SCALE: 1/4"=1'-0" NOTE: SEE K200.1/A900.2 FOR BASE BID



N200.1 / A900.3 CAMP STORE 101 ELEVATION - ALT. 3
SCALE: 1/4"=1'-0" NOTE: SEE A200.1/A900.3 FOR BASE



P200.1 / A900.3 CAMP STORE 101 DESK ELEVATION - ALT. 3
SCALE: 1/4"=1'-0" NOTE: SEE H200.1/A900.2 FOR BASE BID

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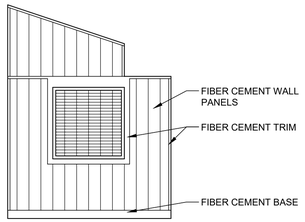
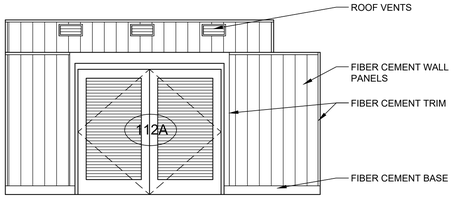
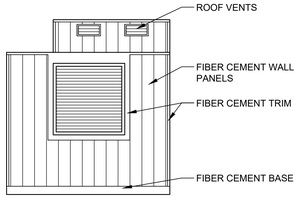
A900.3



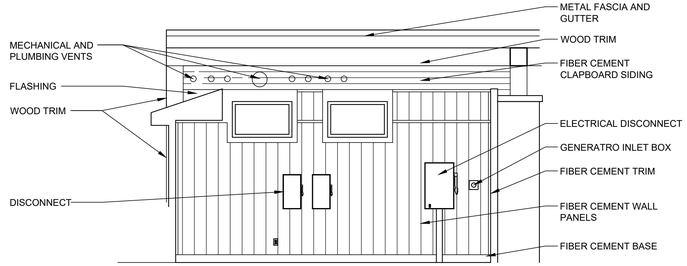
A200.1 / A900.4 MECHANICAL YARD ELEVATION
SCALE: 1/4"=1'-0"



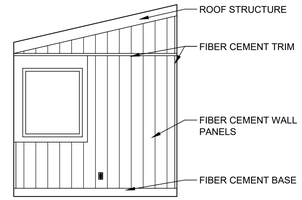
B200.1 / A900.4 MECHANICAL YARD ELEVATION
SCALE: 1/4"=1'-0"



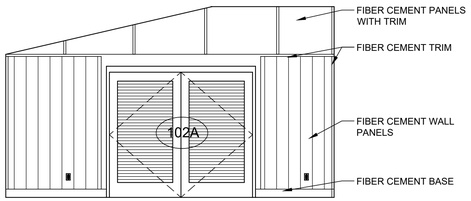
C200.1 / A900.4 MECHANICAL YARD ELEVATION
SCALE: 1/4"=1'-0"



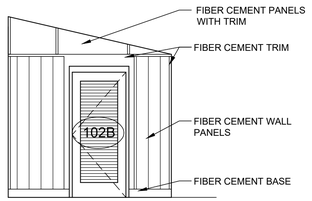
D200.1 / A900.4 MECHANICAL YARD ELEVATION
SCALE: 1/4"=1'-0"



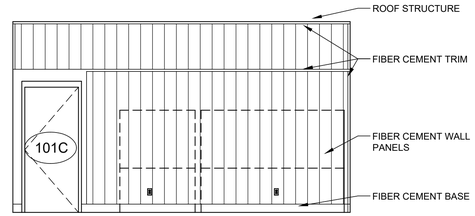
E200.1 / A900.4 EXTERIOR STORAGE ELEVATION
SCALE: 1/4"=1'-0"



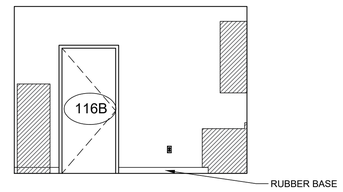
F200.1 / A900.4 EXTERIOR STORAGE ELEVATION
SCALE: 1/4"=1'-0"



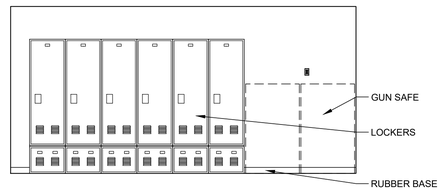
G200.1 / A900.4 EXTERIOR STORAGE ELEVATION
SCALE: 1/4"=1'-0"



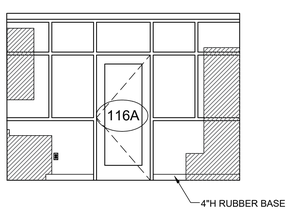
H200.1 / A900.4 EXTERIOR STORAGE ELEVATION
SCALE: 1/4"=1'-0"



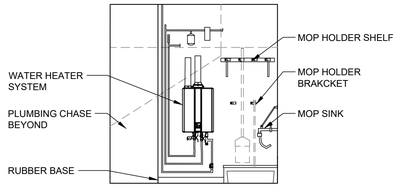
J200.1 / A900.4 OFFICE 116
SCALE: 1/4"=1'-0"



K200.1 / A900.4 OFFICE 116
SCALE: 1/4"=1'-0"



L200.1 / A900.4 OFFICE 116
SCALE: 1/4"=1'-0"



M200.1 / A900.4 JANITOR 105
SCALE: 1/4"=1'-0"

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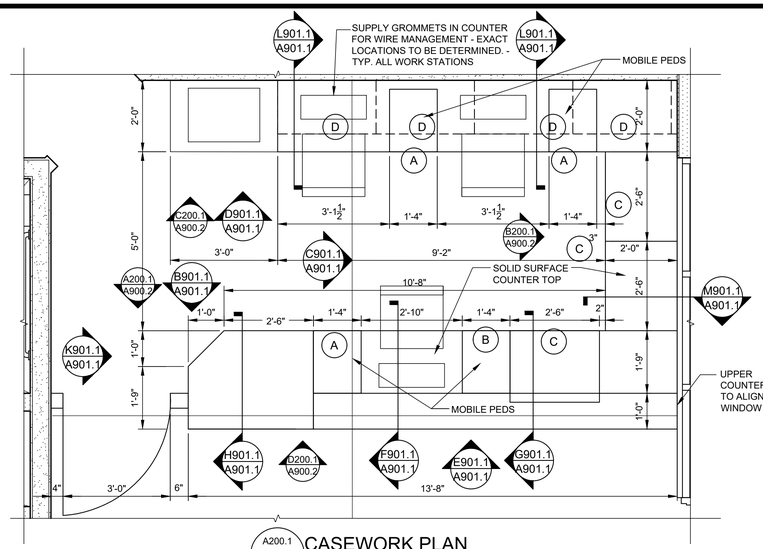
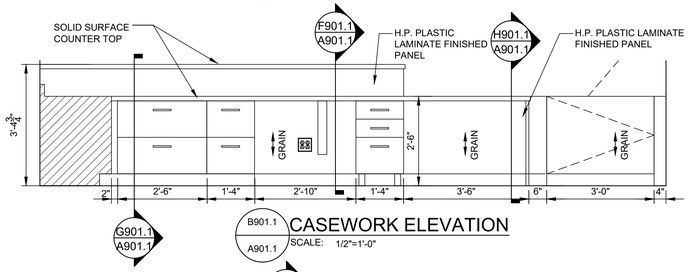
CONSTRUCTION DOCUMENTS

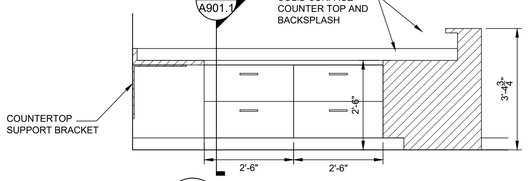
A900.4



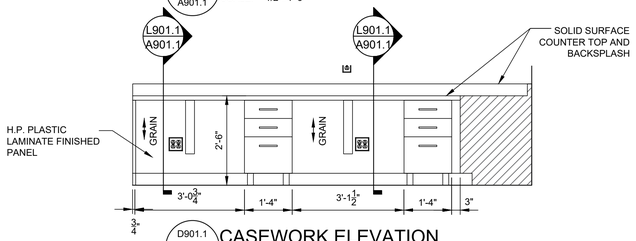
A200.1 / A901.1 **CASEWORK PLAN**
SCALE: 1/2"=1'-0"
NOTE: PLAN HAS BEEN ROTATED ON THIS SHEET



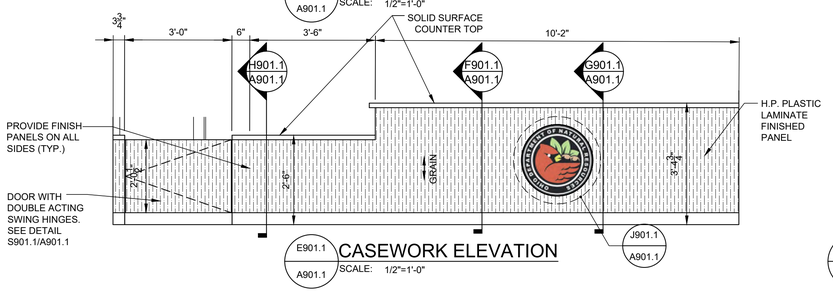
B901.1 / A901.1 **CASEWORK ELEVATION**
SCALE: 1/2"=1'-0"



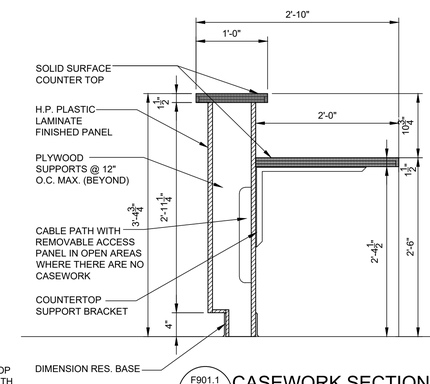
C901.1 / A901.1 **CASEWORK ELEVATION**
SCALE: 1/2"=1'-0"



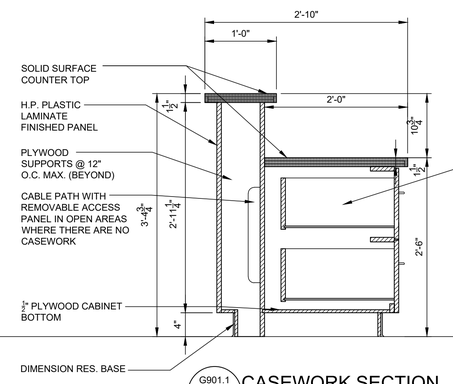
D901.1 / A901.1 **CASEWORK ELEVATION**
SCALE: 1/2"=1'-0"



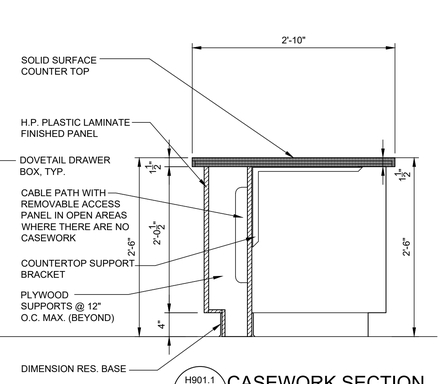
E901.1 / A901.1 **CASEWORK ELEVATION**
SCALE: 1/2"=1'-0"



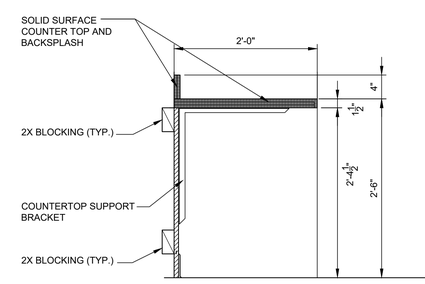
F901.1 / A901.1 **CASEWORK SECTION**
SCALE: 1"=1'-0"



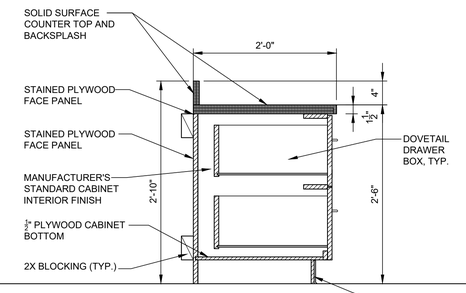
G901.1 / A901.1 **CASEWORK SECTION**
SCALE: 1"=1'-0"



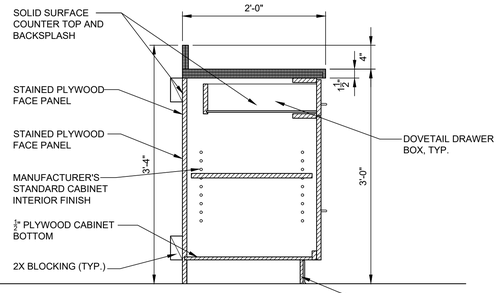
H901.1 / A901.1 **CASEWORK SECTION**
SCALE: 1"=1'-0"



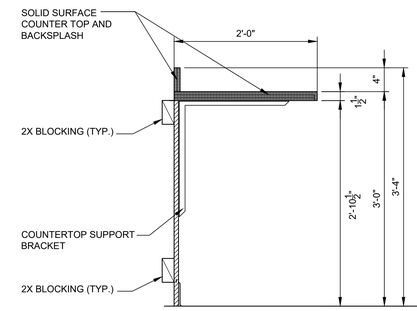
L901.1 / A901.1 **CASEWORK SECTION**
SCALE: 1"=1'-0"



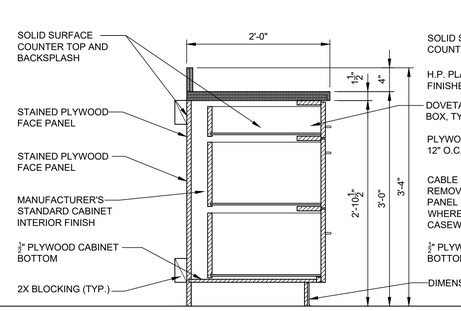
M901.1 / A901.1 **CASEWORK SECTION**
SCALE: 1"=1'-0"



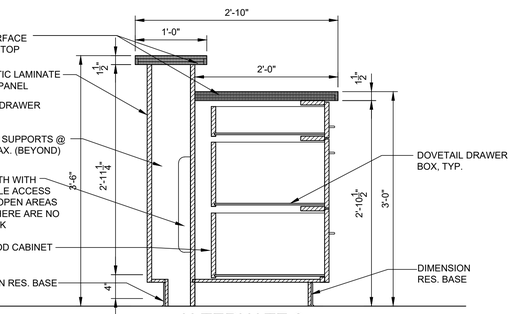
N901.2 / A901.1 **CASEWORK SECTION**
SCALE: 1"=1'-0"



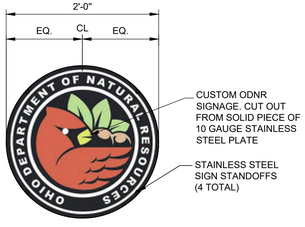
P901.2 / A901.1 **CASEWORK SECTION**
SCALE: 1"=1'-0"



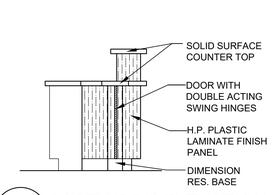
Q901.2 / A901.1 **ALTERNATE 3 CASEWORK SECTION**
SCALE: 1"=1'-0"



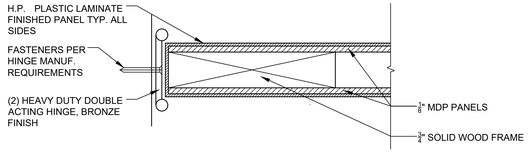
R901.2 / A901.1 **ALTERNATE 3 CASEWORK SECTION**
SCALE: 1"=1'-0"



J901.1 / A901.1 **CUSTOM SIGNAGE DETAIL**
SCALE: 1"=1'-0"



K901.1 / A901.1 **CASEWORK ELEVATION**
SCALE: 1/2"=1'-0"



S901.1 / A901.1 **CASEWORK DOOR HINGE DETAIL**
SCALE: 1/2"=1'-0"

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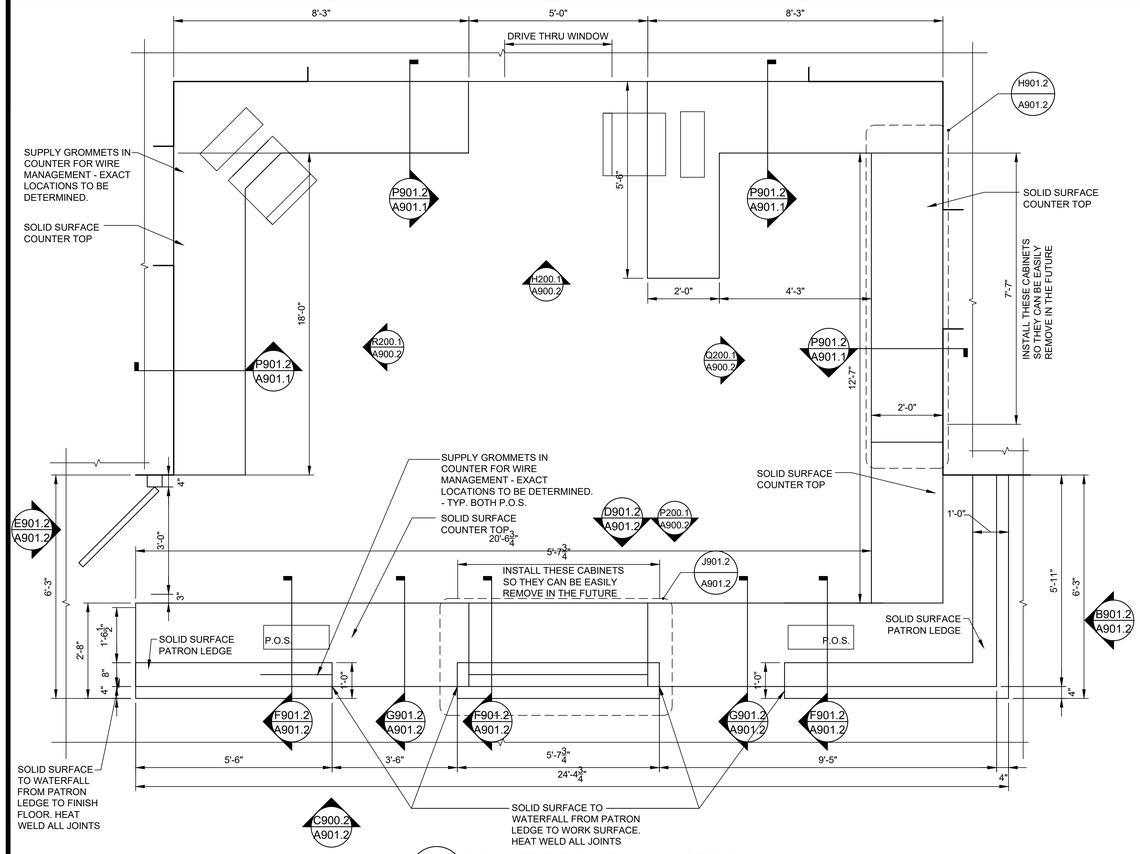
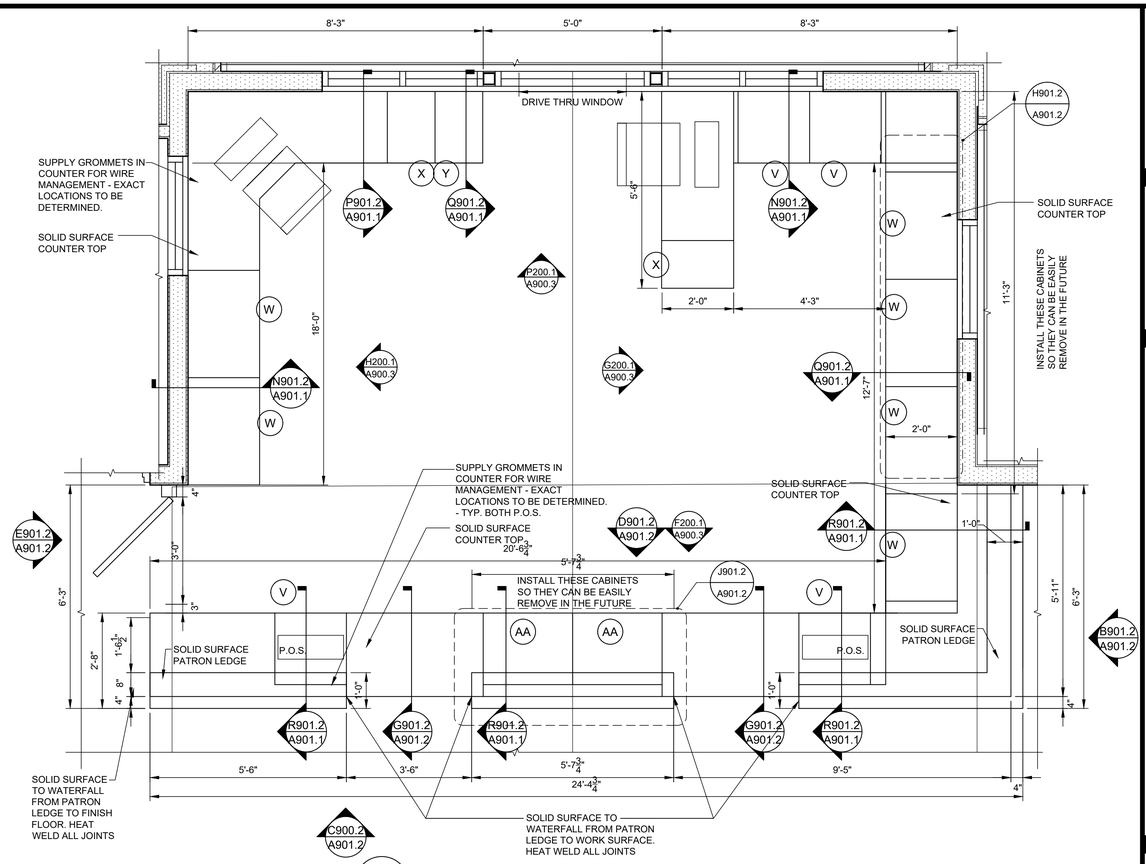
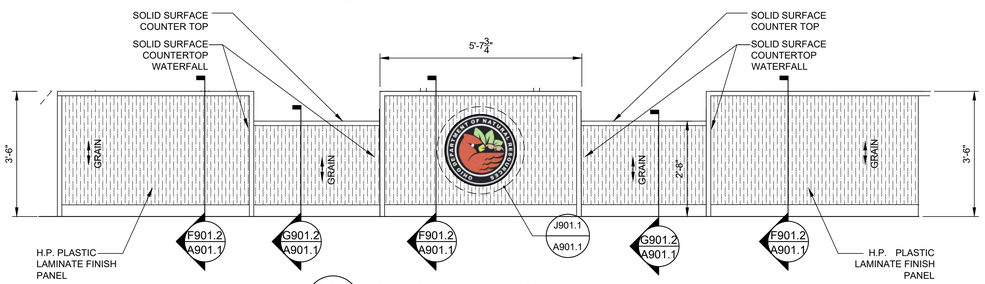
A901.1



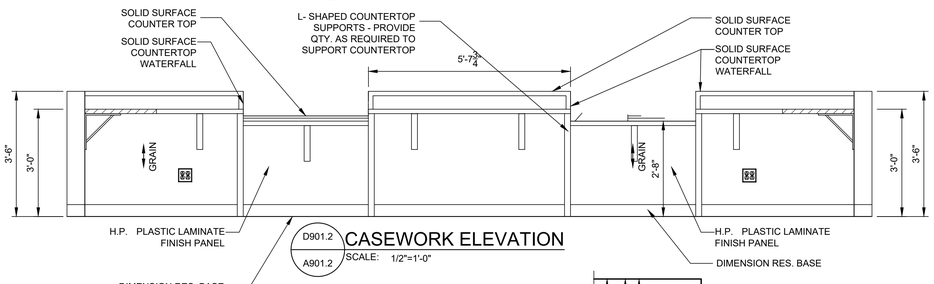
A200.1 / A901.2 **COUNTER TOP PLAN BASE BID**
SCALE: 1/2"=1'-0"
NOTE: PLAN HAS BEEN ROTATED ON THIS SHEET



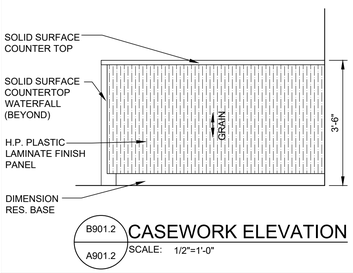
A200.1 / A901.2 **ALTERNATE 3 COUNTER TOP AND CASEWORK PLAN**
SCALE: 1/2"=1'-0"
NOTE: PLAN HAS BEEN ROTATED ON THIS SHEET



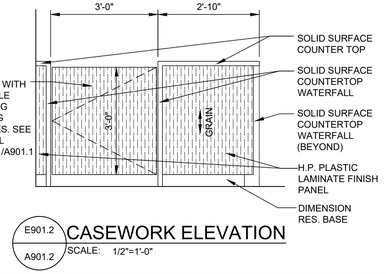
C900.2 / A901.2 **CASEWORK ELEVATION**
SCALE: 1/2"=1'-0"



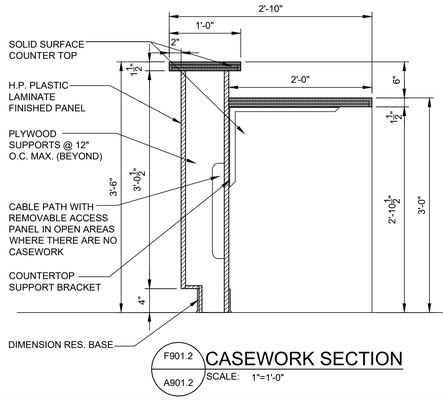
D901.2 / A901.2 **CASEWORK ELEVATION**
SCALE: 1/2"=1'-0"



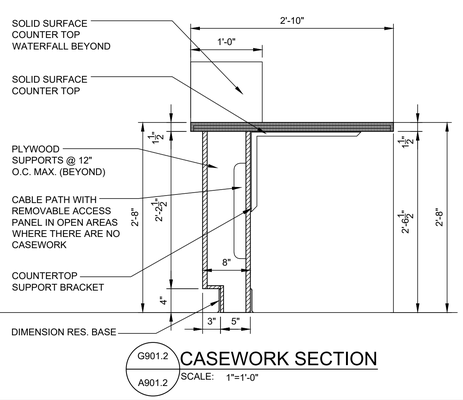
B901.2 / A901.2 **CASEWORK ELEVATION**
SCALE: 1/2"=1'-0"



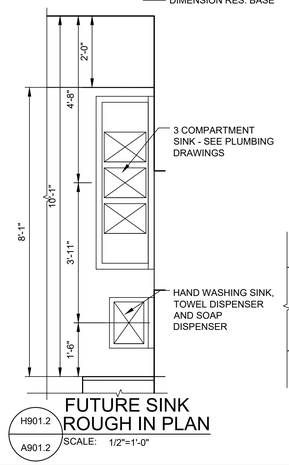
E901.2 / A901.2 **CASEWORK ELEVATION**
SCALE: 1/2"=1'-0"



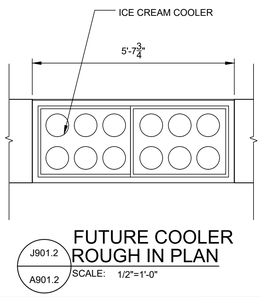
F901.2 / A901.2 **CASEWORK SECTION**
SCALE: 1"=1'-0"



G901.2 / A901.2 **CASEWORK SECTION**
SCALE: 1"=1'-0"



H901.2 / A901.2 **FUTURE SINK ROUGH IN PLAN**
SCALE: 1/2"=1'-0"



J901.2 / A901.2 **FUTURE COOLER ROUGH IN PLAN**
SCALE: 1/2"=1'-0"

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A901.2

SPECIAL INSPECTIONS:

1. PURSUANT TO CHAPTER 17 (SPECIAL INSPECTION & TESTING) OF THE OHIO BUILDING CODE OBC 2024, IN ADDITION TO THE REGULAR INSPECTIONS THE ARCHITECT ON BEHALF OF OWNER WILL RETAIN A TESTING AGENCY TO PERFORM SPECIAL INSPECTIONS ON THE ITEMS LISTED IN THE TABLE BELOW. CONTRACTOR TO PROVIDE ACCESS AND HAVE WORK AREAS READY FOR INSPECTION AS NEEDED.
2. TESTING AGENCY TO SUBMIT A LIST OF THEIR QUALIFIED SPECIAL INSPECTORS AND THEIR RESUMES AND/OR CERTIFICATION TO THE ARCHITECT/ENGINEER OF RECORD TO FILE WITH THE PLAN APPROVAL APPLICATION.
3. INSPECTIONS SHALL NOT RELIEVE THE CONTRACTOR FROM FULL RESPONSIBILITY FOR THE ACCURACY OF THE WORK AND ALL OF ITS DETAILS

SCHEDULE OF SPECIAL INSPECTION

NO.	ITEM	REQUIRED	CONTINUOUS INSPECTION	PERIODIC INSPECTION
1	STRUCTURAL STEEL - OBC 1705.2			
	STEEL COLUMN CONNECTIONS TO WOOD BEAMS			X
2	CONCRETE CONSTRUCTION -OBC 1705.3			
	REINFORCING STEEL PLACEMENT			X
	CONCRETE PLACEMENT			X
	SAMPLING AND CONCRETE TESTING			X
	CONCRETE CURING TEMPERATURE AND TECHNIQUES			X
	ANCHOR RODS SIZE, POSITIONING AND EMBDMENT			X
3	MASONRY CONSTRUCTION -OBC 1705.4			
	MASONRY MORTAR JOINT			X
	MASONRY REINFORCEMENT AND CONNECTORS			X
	MASONRY GROUTING			X
	MASONRY ANCHORS AND TIES			X
4	WOOD CONSTRUCTION -OBC 1705.5			
	PREFABRICATED WOOD TRUSSES PLACEMENT			X
	WOOD SILL PLATE CONNECTIONS			X
	TRUSS CONNECTION AT BEARING			X
	WOOD COLUMN CONNECTIONS			X
	I-JOISTS CONNECTION AT BEARING			X
5	SOILS AND FOUNDATION -OBC 1705.6			
	SITE PREPARATION AND REMOVAL OF UNSUITABLE MATERIALS			X
	COMPACTED FILL MATERIALS, LIFT THICKNESS, DENSITY			X
	SOIL LOAD BEARING CAPACITY			X

GENERAL NOTES:

NOTE: GENERAL CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE SEQUENCE OF ERECTION PROCEDURES AND BRACING (SHORING) OF WALLS, FLOORS, ROOFS AND STRUCTURAL MEMBERS (BEAMS, COLUMNS, TRUSSES,ETC.) TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING CONSTRUCTION.

GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION TO COMPLETE THE PROJECT ACCORDING TO THE DRAWINGS AND SPECIFICATIONS

GENERAL NOTES:

1. COORDINATE w/ ARCHITECTURAL FLOOR PLANS AND SECTIONS FOR ANY SLAB RECESSES REQUIRED FOR DOOR MATS, FLOORING, ETC...
2. VERIFY LOCATIONS OF COLUMNS, WALLS, ETC. WITH THE ARCHITECTURAL DWG. BEFORE PLACING ANY FOUNDATIONS
3. INSTALL SLEEVES THRU BLOCKS FOR ALL UNDERGROUND PIPES. SLEEVES TO BE PROVIDED BY THE REQUIRED CONTRACTOR.
4. SAW CUT FLOOR SLABS INTO SECTIONS NOT GREATER THAN 15'-0"X15'-0". PROVIDE DIAMOND CUT AROUND ALL COLUMN LOCATIONS
5. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR MISC. CONCRETE PADS REQUIRED FOR INTERIOR MECHANICAL AND ELECTRICAL EQUIPMENTS.

STRUCTURAL LEGEND

B/BRG. = BEAM BEARING
BP# = BASE PLATE
BRG. = BEARING
B/S = BOTH SIDES
B/FTG. = BOTTOM OF FOOTING
CL/CL = CENTER TO CENTER
C.M.U. = CONCRETE MASONRY UNIT
CONC. = CONCRETE
CONT. = CONTINUOUS
COOR. = COORDINATE
DIA. or ~ = DIAMETER
E/S = EACH SIDE
E.C. = ELECTRICAL CONTRACTOR
ELEV. = ELEVATION
EQ. = EQUAL
F# = COLUMN FOOTING NUMBER
F/FLR. = FINISH FLOOR
FND. = FOUNDATION
GA. = GAUGE
GALV. = GALVINIZED
G.C. = GENERAL CONTRACTOR
I.C.F. = INSULATED CONCRETE FORMS
IN/IN = INSIDE TO INSIDE
PRE-FAB LGST= PRE-FABRICATED LIGHT GAUGE STEEL TRUSS
M.C. = MECHANICAL CONTRACTOR
MTL. = METAL
MISC. = MISCELLANOUS
M.O. = MASONRY OPENING
PL. = PLATE
P.C. = PLUMBING CONTRACTOR
PR# = CONC. PIER #
O.C. = ON CENTER
O/O = OUTSIDE TO OUTSIDE
O.H. = OVER HANG
REINF. = REINFORCED
SLP. = SLOPE
ST. = STEEL
STP. FTG. = STEP FOOTING
T&B = TOP AND BOTTOM
T/FTG. = TOP OF FOOTING
T/ST. = TOP OF STEEL
TYP. = TYPICAL
U.N.O. = UNLESS NOTED OTHERWISE
W.W.F. = WELDED WIRE FABRIC
W/ = WITH
W/O = WITHOUT

WOOD CONSTRUCTION NOTES:

1. ALL DIMENSION LUMBER AND HEAVY TIMBER SHALL COMPLY WITH THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION" NDS-2018
2. ALL LOAD BEARING STUDS, DOOR HEADERS, WINDOW HEADERS AND DOUBLE & TRIPLE STUDS SHALL BE STRUCTURAL GRADE "SPRUCE-PINE-FIR" OR APPROVED EQUAL
   BENDING STRESS, Fb = 1300 PSI
   SHEAR STRESS, Fv = 70 PSI
   MODULUS OF ELASTICITY, E = 1,500,000 PSI
   - LVL BEAMS: Fv=285 PSI, Fb=2900 PSI AND E=2,000,000 PSI
3. ALL LOADBEARING DOOR OPENINGS TO HAVE (2) 2X8 OR (3) 2X6 HEADERS UNLESS NOTED OTHERWISE ON THE FRAMING PLANS AND HEADER SCHEDULE
4. ALL HEADERS TO BE SUPPORTED BY A MINIMUM OF (2)-2X4'S OR (2)-2X6'S STUDS @ EACH END UNLESS NOTED OTHERWISE.
5. ALL LUMBER IN CONTACT WITH CONCRETE FLOOR SLABS OR CONCRETE BLOCK OR IN CONTACT WITH EARTH TO BE PRESSURE TREATED.
6. ALL LUMBER TO BE A MAXIMUM OF 19% MOISTURE CONTENT.
7. ALL WALL STUDS TO BE 16" O.C. UNLESS NOTED OTHERWISE.
8. DO NOT NOTCH, BORE, OR CUT WOOD MEMBERS FOR PIPES, DUCTS, CONDUITS OR OTHER REASONS IN SUCH A MANNER AS TO HINDER THE STRUCTURAL CAPABILITY OR INTENDED USE. STRUCTURAL MEMBERS WHOSE STRENGTH IS IMPAIRED BY IMPROPER CUTTING OR DRILLING OR EXCESSIVE DEFECTS SHALL BE REPLACED OR REINFORCED.
9. PROVIDE BLOCKING FOR WALL HUNG GRAB BARS, MIRRORS, WALL CABINETS, DRAPERY RODS, DOOR STOPS, ETC.
10. PROVIDE A MIN. OF (2) LINES OF SOLID BLOCKING IN ALL EXTERIOR WALLS.
11. SHEATHING FOR WALLS TO BE A MIN. OF 5/8" AND 3/4" FOR ROOF PLYWOOD OR OSB EXTERIOR APA-STRUCTURAL I GRADE. USE 8d COMMON NAILS AT 6" O/C AT EDGES AND 12" O/C AT INTERMEDIATES
12. SUBMIT COMPLETE SHOP DRAWINGS FOR ALL WOOD PREFAB TRUSSES SHOWING MEMBER SIZES, SPECIES, GRADE, MOISTURE CONTENT, SPAN, DIMENSIONS, BRACING REQUIREMENTS AND LOADINGS. SHOP DRAWINGS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OHIO.
13. SEE ROOF DESIGN LOADS AND SNOW DRIFT LISTED ON THIS SHEET ABOVE
14. TRUSS MANUFACTURERS TO SUPPLY ANY STRAIGHT AND SKEWED HANGERS
15. ALL PRE-ENGINEERED PRE-FABRICATED METAL PLATES CONNECTED TRUSSES SHALL BE DESIGNED, FABRICATED AND ERECTED IN COMPLIANCE WITH " NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION " ANSI/TPI1-2022
    TYPICAL FOR ROOF TRUSSES: T/C LIVE LOAD = 25 PSF
    T/C DEAD LOAD = 10 PSF
    B/C DEAD LOAD = 10 PSF
    DESIGN FOR SNOW DRIFT FROM HIGHER ROOF AREAS
    -ALL TRUSSES TO BE DESIGNED IN ACCORDANCE WITH OBC -2024 & IBC -2021 AND NOT THE OHIO RESIDENTIAL CODE
16. ALL DAMAGED TRUSSES SHALL BE REPAIRED AND/OR REPLACED AT NO COST TO OWNER.
17. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL TEMPORARY BRACING ACCORDING TO THE RECOMMENDATIONS OF "BUILDING COMPONENT SAFETY INFORMATION" BCSI
18. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL PERMANENT BRACING ACCORDING TO THE TRUSS MANUFACTURER DESIGN, RECOMMENDATIONS AND AS SHOWN ON THE TRUSS PLANS

STRUCTURAL STEEL CONSTRUCTION NOTES

1. DESIGN, FABRICATE AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH THE LATEST (A.I.S.C) ASD EDITION AND SPECIFICATIONS AS REFERENCED IN THE 2024 OHIO BUILDING CODE AND AISC 360-16
2. FIELD BOLTS SHALL BE 3/4" DIA. STD. MACHINE BOLTS CONFORMING TO A.S.T.M. A325 UNLESS OTHERWISE NOTED.
3. PROVIDE ALL BOLTS, ANCHORS, STRAPS, FASTENERS, AND SIMILAR ITEMS AS SHOWN ON THE DRAWINGS OR REQUIRED TO COMPLETE THE INTENDED WORK.
4. ALL W SHAPES STEEL FRAMING SHALL BE FABRICATED FROM (ASTM A992 - FY= 50 KSI)
   ALL M, MC, S, C, ANGLES, PLATES AND BARS FROM (A36 STEEL).
   ALL SQUARE & RECTANGULAR HSS TUBING - A500 GRADE B (FY = 46 KSI).
   ALL ROUND SHAPES HSS TUBING - A500 GRADE B (FY = 42 KSI)
   ALL ANCHOR RODS FOR BASE PLATES - ASTM F1554 GRADE 36 U.N.O.
5. ALL WELDING ELECTRODES SHALL BE E-70XX AND IN ACCORDANCE WITH AMERICAN WELDING SOCIETY AWS D1.1
6. ALL L'S , PL'S AND FLANGES CARRYING WALLS EXPOSED TO VIEW SHALL BE COPED FOR MORTAR COVER.
7. ALL STEEL WORK, BEFORE LEAVING SHOP TO HAVE TWO GOOD COAT OF PAINT
8. PROVIDE AND INSTALL ANY MISC. SCREED ANGLES FOR SUPPORT OF ROOF OR FLOOR OPENINGS AND SLAB EDGES WHERE REQUIRED.
9. DO NOT CUT IN FIELD OR MODIFY ANY STRUCTURAL STEEL MEMBER WITHOUT APPROVAL FROM ENGINEER

CONCRETE CONSTRUCTION NOTES

1. ALL CONCRETE SHALL COMPLY WITH SPECIFICATIONS AND STD 6"X12" CYLINDERS SHALL TEST 4000 psi MINIMUM AT AGE OF 28 DAYS, FOR FLOORS AND 3000 PSI FOR FOOTINGS.
2. EXTERIOR CONCRETE WALKS AND CURBS SHALL COMPLY WITH SPECIFICATIONS AND STD 6"X12" CYLINDERS SHALL TEST 4000 PSI AIR-ENTRAINED MINIMUM AT AGE OF 28 DAYS. WALKS SHALL B4 4" THICK W/HAVE 6"x6" -W2.1XW2.1 WELDED WIRE FABRIC PLACED AT MID DEPTH.
3. REINFORCING BARS, UNLESS OTHERWISE SPECIFIED, SHALL MEET THE LATEST ASTM A615 GRADE 60. BARS TO BE PLACED PER LATEST ACI STANDARDS.
4. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185, AND SHALL BE FURNISHED AND PLACED IN FLAT SHEETS.
5. MINIMUM CONCRETE COVERS FOR REINFORCING BARS SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:

CONCRETE SLABS AND JOISTS	3/4"
FORMED SURFACED EXPOSED TO WEATHER	1-1/2" FOR #5 BARS AND SMALLER
ON EARTH	2" FOR # 6 AND LARGER
CONCRETE DEPOSITED AGAINST GROUND	3"

6. WIRE FABRIC REINFORCING SHALL LAP ONE FULL MESH AT SIDES AND END LAPS AND SHALL BE WIRED TOGETHER AT LAPS.
7. SLABS SHALL HAVE OPENINGS VERIFIED BY MECHANICAL AND ELECTRICAL CONTRACTORS BEFORE PLACING REINFORCING AND CONCRETE.
8. CONCRETE SLABS ON GROUND SHALL BE PLACED ON BASE PER SPECIFICATIONS.
9. CONCRETE DESIGN AND REINFORCING IS BASED ON "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-2019)
10. ALL INTERIOR U.N.O.CONCRETE SLABS ON GRADE SHALL BE 4" THICK REINFORCED WITH W/6X6-W2.1XW2.1 WWF PLACED AT MID DEPTH USING REBAR CHAIRS AT A MAXIMUM OF 3' O/C. FLOATING MESH IN PLACE OR PULLING MESH UP WILL NOT BE ACCEPTABLE.
11. WHERE CONTINUOUS BARS ARE CALLED FOR, THEY SHALL BE RUN CONTINUOUSLY AROUND CORNERS AND LAPPED AT NECESSARY SPLICES, AND HOOKED AT DISCONTINUOUS ENDS.
12. WALLS, PIERS, AND COLUMNS SHALL BE DOWELED TO FOOTINGS. WALL FOOTINGS AND CONCRETE COLUMN DOWELS SHALL BE SAME SIZE AS WALL AND COLUMN VERTICALS.
13. LAP ALL BARS SPLICES 24 BAR DIAMETERS MINIMUM (UNLESS OTHERWISE CALLED FOR) BUT NOT LESS THAN 12".
14. CONTRACTOR TO SUBMIT REBAR SHOP DRAWINGS SHOWING REBAR SIZES, GRADES, PLACEMENTS, BENDING DETAILS PREPARED ACCORDING TO THE LATEST ACI 315 "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT".

MASONRY CONSTRUCTION NOTES

1. MASONRY DESIGN IS BASED ON "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (TMS 402-2016)
2. HOLLOW CONCRETE MASONRY UNITS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF (2,000 PSI) AND MASONRY STRENGTH OF A MINIMUM, (f'm'=2,000 PSI) AND MEETS ASTM C-90 REQUIREMENTS
3. MORTAR SHALL MEET REQUIREMENTS OF ASTM C-270 TYPE "S" 1,800 PSI TEST AT 28 DAYS.
4. USE COARSE GROUT FOR FILLING CONCRETE MASONRY UNITS, 2,500 PSI TEST 28 DAYS.
5. USE SOLID OR CONCRETE FILLED MASONRY UNITS ALL MEMBERS BEARING MASONRY. USE HOLLOW MASONRY UNITS FILLED WITH CONCRETE FOR WALLS RECEIVING ANCHORS.
6. NO CHASES, RISERS, CONDUITS, OR TOOTHING IN MASONRY WALLS SHALL OCCUR WITHIN 2'-0 OF A BEARING OR OTHER LOAD CONCENTRATION.
7. DO NOT LAY MASONRY IN FREEZING WEATHER UNLESS SUITABLE MEANS ARE PROVIDED TO HEAT MATERIALS PROTECT WORK FROM COLD AND FROST AND INSURE MORTAR WILL CURE WITHOUT FREEZING.
8. MASONRY WALLS SHALL HAVE HORIZONTAL WIRE REINFORCING AT 16" VERTICAL CENTERS EQUAL TO LADDER TYPE AS MADE BY HOHMANN & BERNARD INC. OR EQUAL. COMPLYING WITH ASTM A951
9. MASONRY CORNERS SHALL HAVE HORIZONTAL CORNER REINFORCING AT 16" VERTICAL CENTERS EQUAL TO LADDER/CORNER TYPE AS MADE BY HOHMANN & BERNARD INC. OR EQ. COMPLYING WITH ASTM A951
10. PROVIDE LAP LENGTHS AT SPLICES EQUALS TO VALUES SHOWN IN THE LAP SPLICE TABLE ON THIS SHEET.
11. MASONRY WALLS SHALL BE SOLID GROUTED UNDER ALL COLUMN BEARING POINTS AND AT THE END OF ALL BEAMS 6' AND LONGER. TWO 8" CORES SIDE BY SIDE SHALL BE SOLID GROUTED WITH 1-#5 REBAR IN EACH CORE. GROUT CORE SOLID FROM FOUNDATION TO BEARING POINT.
12. DOWEL #3X12" LONG REBAR EVERY OTHER COURSE TO TIE MASONRY TO ALL CONCRETE PIERS
13. TIE ALL MASONRY WALLS TO STEEL COLUMNS WITH ADJUSTABLE 1/4" DIAM. TIESX9" STRAPS WITH 3/16" DIAMETER TRIANGULAR TIES AT 16" O/C.
14. THE BEARING OF AT LEAST ONE END OF DOOR AND WINDOW LINTELS SHOULD BE BUILT TO SLIDE. PLASTIC OR BITUMINOUS SHEETS OR EQUAL MATERIALS SHOULD BE USED FOR A SLIP PLATE. IF STEEL BEARING PLATES ARE USED, ONE END NOT TO BE WELDED.
15. PROVIDE VERTICAL REINFORCING BARS AS CALLED FOR ON THE PLANS. PROVIDE A BAR AT ALL CORNERS AND AT EACH SIDE OF CONTROL JOINTS MATCHING THE WALL REINFORCEMENT
16. PILASTERS AND MASONRY PIERS TO BE LAID UP SIMULTANEOUSLY AND BONDED INTO ADJOINING MASONRY
17. THE TOP MASONRY COURSE OF ALL WALLS TO BE A BOND BEAM REINFORCED W/2#5 CONTINUOUS REBAR.
18. GROUT FULL MASONRY BLOCK AT ALL WINDOW AND LOUVER SILLS.
19. BEARING WALLS CORNERS SHALL BE BUILT IN RUNNING BOND. SEE TYPICAL MASONRY BOND BEAM DETAILS.
20. VERTICAL REBAR IN MASONRY TO BE HELD IN PLACE USING HOT DIPPED GALVANIZED 9 GAUGE REBAR POSITIONERS BY HOHMANN & BARNARD,INC. OR APPROVED EQUAL.
21. PROVIDE HOT-DIPPED GALVANIZED TIES BETWEEN ALL MASONRY BLOCKS AND STEEL BEAMS WEBS.

GENERAL STRUCTURAL NOTES

GOVERNING CODE: OHIO BUILDING CODE, OBC-2024
BASED ON INTERNATIONAL BUILDING CODE, IBC-2021 - ASCE/SEI 7-16

PROJECT LOCATION: GRAND LAKE ST. MARYS STATE PARK
834 EDGEWATER DRIVE
ST. MARY'S , AUGLAIZE COUNTY, OHIO 45885

1. FOUNDATIONS ARE BASED ON A SAFE CARRYING CAPACITY OF 2000 PSF FOR SPREAD FOOTINGS AND CONTINUOUS WALL FOOTINGS. AFTER EXCAVATION IS COMPLETED AND BEFORE ANY FOUNDATIONS ARE CONSTRUCTED, CONTRACTOR SHALL COMPACT AND EXAMINE THE SOIL. IF THERE IS DOUBT ABOUT ITS ABILITY TO CARRY THIS AMOUNT OF LOAD HE SHALL BRING TO THE ATTENTION OF THE ENGINEER/ARCHITECT. REFER TO THE GEOTECHNICAL SUBSURFACE REPORT BY VERDANTAS DATED MAY 2025
2. DESIGN LIVE LOADS:

ROOF	20 PSF (minimum)
1ST FLOOR - SLAB ON GRADE	150 PSF (minimum)
MEZZANINE (STORAGE & MECHANICAL)	80 PSF
PLATFORM ABOVE MEZZANINE	30 PSF

3. SNOW DESIGN DATA:
   - Pg =20 PSF (GROUND SNOW LOAD)
   - Pf (min.) SLOPED =12.6 PSF
   - Ce= 0.9 (SNOW EXPOSURE FACTOR - PARTIALLY EXPOSED)
   - Ct= 1.0 (SNOW THERMAL FACTOR)
   - Is= 1.0 (SNOW IMPORTANCE FACTOR)
   - SNOW DRIFT LOADS WERE INCLUDED IN THE DESIGN (Max. Snow Drift Load , Pd = 33.2 PSF , Wd= 9.93')
4. WIND DESIGN DATA:
   - BASIC WIND SPEED = 107 MPH
   - BUILDING RISK CATEGORY-II
   - EXPOSURE CATEGORY "D"
   - GCpi= +/- 0.18 (INTERNAL PRESSURE COEFFICIENT)
   - MAX. VELOCITY PRESSURE, qh= + 26.98 PSF
   - MAX. WALL COMPONENTS & CLADDING DESIGN PRESSURE:
     (AT MAIN), p = +31.93 PSF & -34.63 PSF
     (AT CORNERS), p = +31.93 PSF & - 42.78 PSF
   - MAX. ROOF COMPONENTS & CLADDING DESIGN PRESSURE:
     (AT EDGES), p = +23.81 PSF & -53.60 PSF
     (AT CORNERS), p = +23.81 PSF & -75.24 PSF
   NOTE: (-) INDICATES WIND PRESSURE ACTING AWAY FROM THE SURFACE
   (+) INDICATES WIND PRESSURE ACTING TOWARD THE SURFACE
5. SEISMIC DESIGN DATA:
   - BUILDING OCCUPANCY RISK CATEGORY II
   - SEISMIC IMPORTANCE FACTOR, Ie = 1.0
   - MAPPED SPECTRAL RESPONSE ACCELERATIONS:
     Ss (Short period)= 0.229
     S1 (1-Second period) = 0.072
   - SPECTRAL RESPONSE COEFFICIENTS:
     Sds (Short period) = 0.245
     Sd1 (1-Second period) = 0.116
   - SITE CLASS "D"- STIFF SOIL SEE VERDANTAS SOIL REPORT SECTION 5.7 -SEISMIC CONSIDERATIONS
   - SEISMIC DESIGN CATEGORY "B"
   - BASIC SEISMIC-FORCE RESISTING SYSTEM:
     - BEARING WALL SYSTEM - LIGHT-FRAMED WALL SHEATHED WITH WOOD STRUCTURAL SHEAR PANELS
     - SEISMIC RESPONSE COEFFICIENT,Cs=0.02
     - RESPONSE MODIFICATION FACTOR, R=6.5
   (H) ANALYSIS PROCEDURE:
   -EQUIVALENT LATERAL FORCE PROCEDURE
6. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER IT IS FULLY COMPLETED. IT IS THE GENERAL CONTRACTOR RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING CONSTRUCTION

FOUNDATION AND SOIL NOTES

1. ANY STRUCTURAL FILL PLACED BELOW FOUNDATION AND SLAB ON GRADE SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM MODIFIED PROCTOR DENSITY.
2. STRUCTURAL FILL SHOULD BE PLACED IN LIFTS OF 6 TO 8 INCHES LOOSE MEASURE, IF HAND-OPERATED COMPACTION EQUIPMENT IS USED, THE LEFT THICKNESS SHALL BE REDUCED TO 3 TO 4 INCHES.
3. THE CONTRACTOR SHALL MEET ALL OSHA EXCAVATIONS AND AND TRENCH SAFETY STANDARDS SLOPE HEIGHTS, SLOPE INCLINATION, ETC..
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MEANS, METHODS AND SEQUENCE OF CONSTRUCTION OPERATION.
5. PROTECT BOTTOM OF FOUNDATIONS AGAINST FREEZING. WATER SHOULD NOT BE ALLOWED TO POND IN THE EXCAVATION.
6. COORDINATE WITH SITE/CIVIL DRAWINGS FOR ALL UNDERGROUND UTILITY LINES LOCATIONS BEFORE EXCAVATIONS OR POURING CONCRETE .
7. PROVIDE A BALANCED BACKFILL AGAINST FOUNDATION WALLS TO ELIMINATE ANY LATERAL LOADS OR PROVIDE LATERAL SUPPORT AS NEEDED
8. FROST DEPTH AT A MINIMUM OF 3'-6" (42")
9. GENERAL CONTRACTOR TO REVIEW SOIL REPORT BY VERDANTAS DATED MAY 2025 FOR RECOMMENDATIONS ON SITE AND SUBGRADE SOIL CONDITION AND PREPARATION
10. ANY SOFT SOIL OR LOOSE SOIL ZONES ENCOUNTERED AT THE BOTTOM OF THE FOOTING EXCAVATION SHALL BE REMOVED DOWN TO GOOD NATURAL SOILS AND REPLACED WITH 1500PSI LEAN CONCRETE
11. THE BEARING SURFACE AT THE BOTTOM OF ALL FOOTING EXCAVATION SHALL BE INSPECTED DURING CONSTRUCTION BY A GEOTECHNICAL ENGINEER OR QUALIFIED REPRESENTATIVE
12. GENERAL CONTRACTOR TO PROVIDE ANY DEWATERING SYSTEM, PUMPS NEEDED TO REMOVE ANY WATER FROM THE BOTTOM OF EXCAVATION

STATE OF OHIO
KENT D. BUEHRER
54249
REGISTERED PROFESSIONAL ENGINEER
SIGNATURE DATE 00/00/00

GLSM PARK OFFICE
FOR
OHIO DEPARTMENT OF NATURAL RESOURCES DNR-250013
AUGLAZE COUNTY, OHIO

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REVISION SCHEDULE
-

ISSUE DATE: 09/19/2025
JOB NUMBER: 241224
CONSTRUCTION DOCUMENTS

S00.1

TYPICAL SLAB CONTROL JOINT "SAW CUT" SEE TYP. DETAILS ON SHEET (S300.1)

TYP. U.N.O. 4" CONC. SLAB REINF. w/6X6-W2.1XW2.1 WWF o/ CLASS A-15 MIL. VAPOR BARRIER o/ 6" COMP. # 304 STONE

TYP. (5) LOCATIONS 4'-6"X4'-6"X1'-4" FTG (F-1) W/28"X28" PIER PR-1 OR 24"X24" PIER PR-2 & BASE PLATE BP-1

TYP. IN RESTROOMS 106, 108 ,109 RECESS FLOOR SLAB FOR TILES AND SLOPE FLOOR TO DRAINS SEE ARCH. DRAWINGS FOR DETAILS

F/FL. 878.0' TYP. U.N.O.

TYPICAL CONCRETE SUPPORT PAD FOR MECH. CONDENSING UNITS SEE TYP. DETAIL ON SHEET S300.1

FOUNDATION PLAN

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

NORTH

STATE OF OHIO
KENT D. BUEHRER
54249
REGISTERED PROFESSIONAL ENGINEER
SIGNATURE DATE 00/00/00

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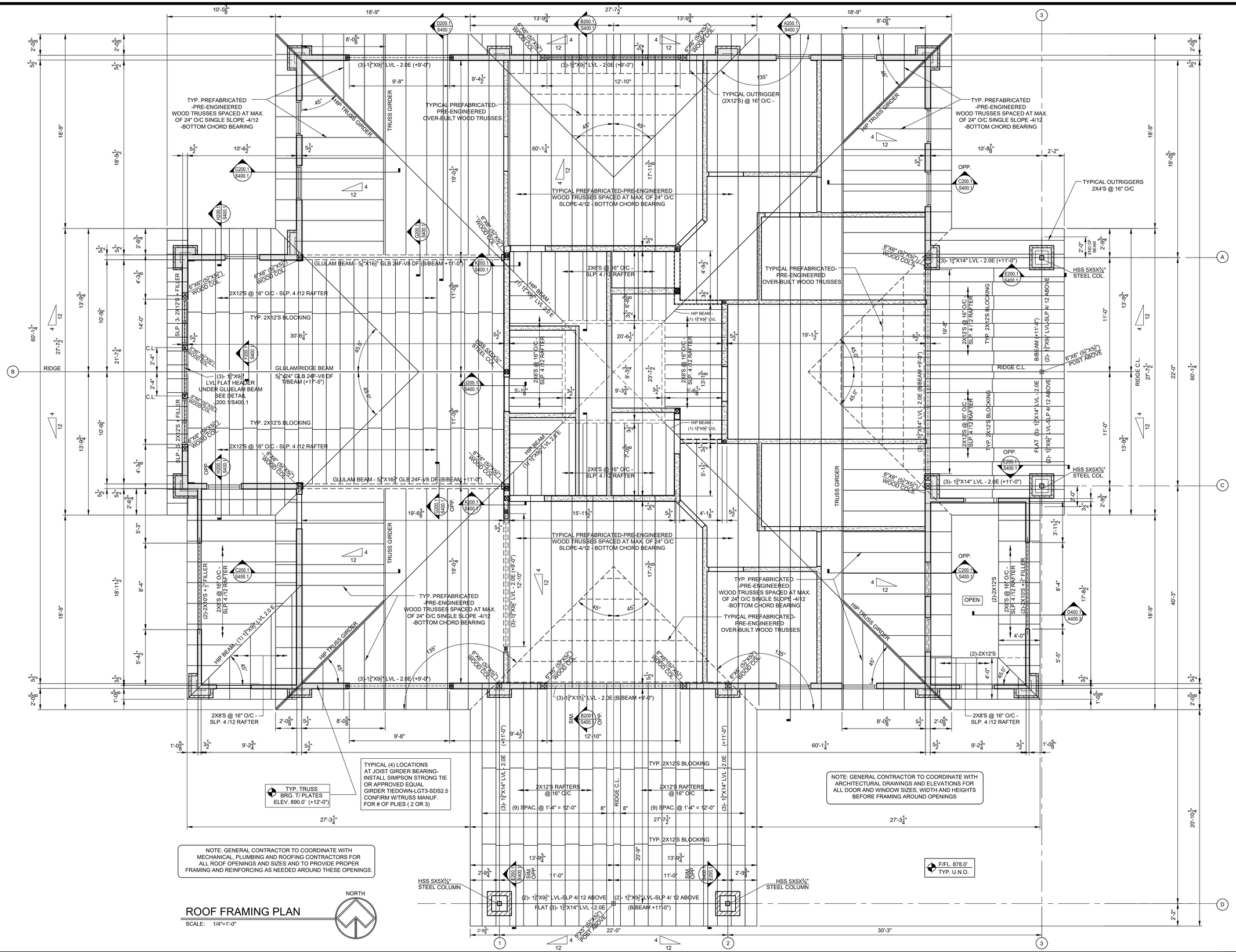
S100.1



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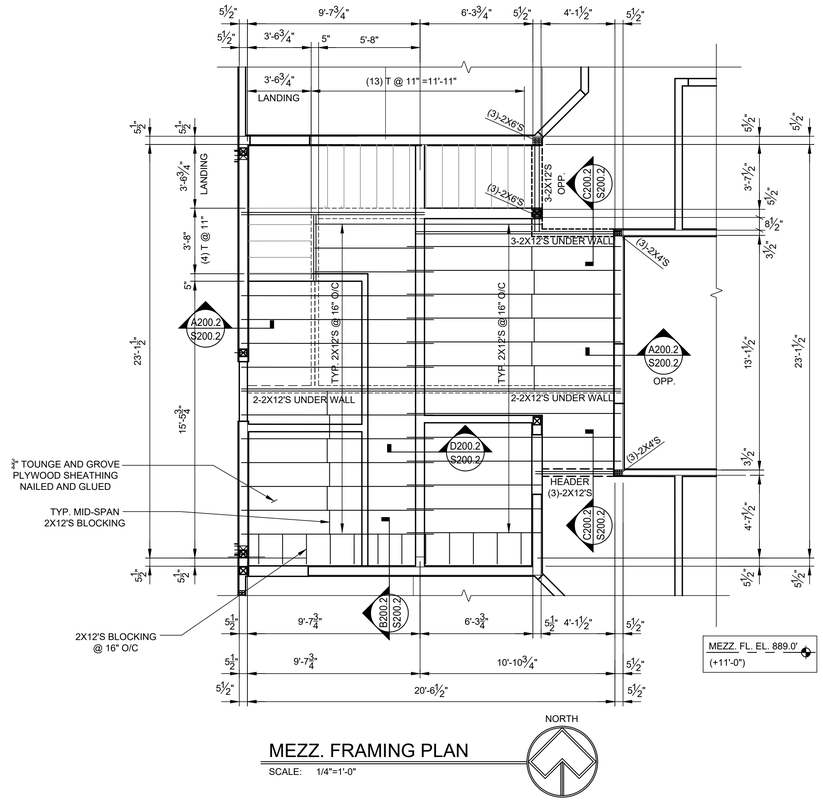
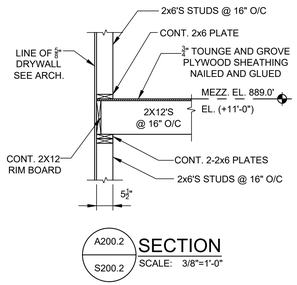
S200.1



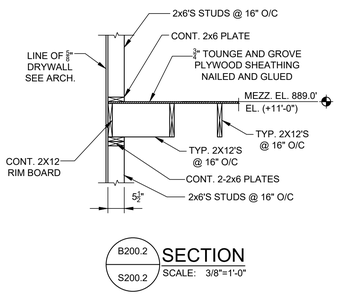
MEZZ. FRAMING PLAN

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



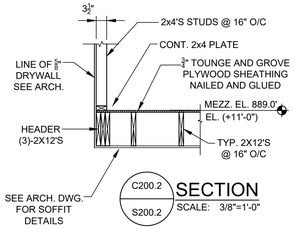
A200.2 / S200.2 SECTION

SCALE: 3/8"=1'-0"



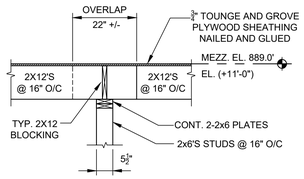
B200.2 / S200.2 SECTION

SCALE: 3/8"=1'-0"



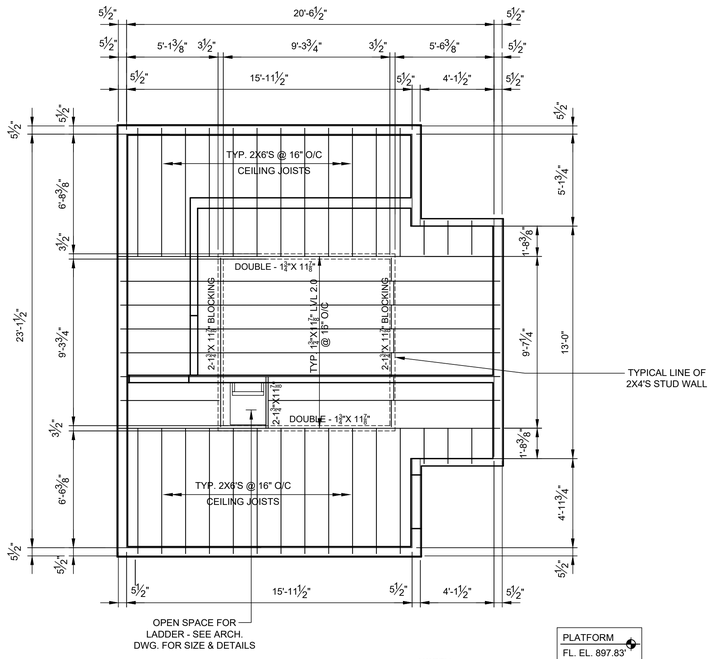
C200.2 / S200.2 SECTION

SCALE: 3/8"=1'-0"



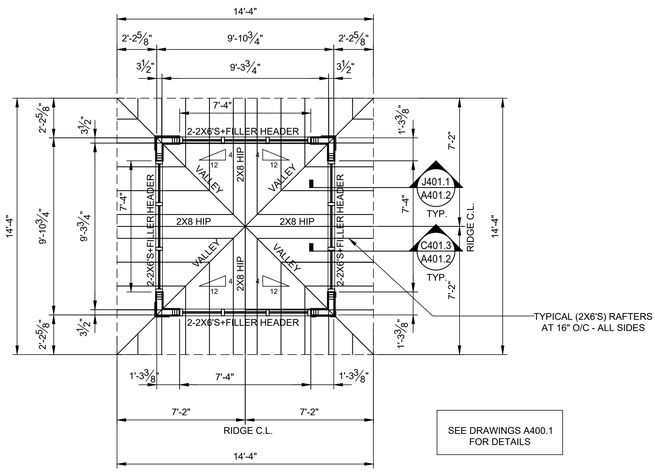
D200.2 / S200.2 SECTION

SCALE: 3/8"=1'-0"



PLATFORM ABOVE MEZZ. FRAMING PLAN

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



PLATFORM AREA ROOF FRAMING PLAN

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

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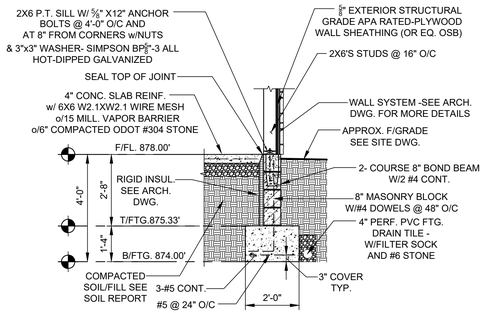
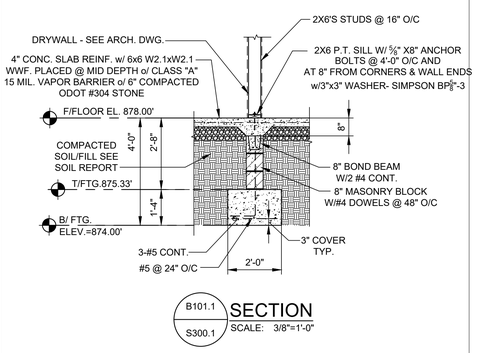
CONSTRUCTION DOCUMENTS

S200.2

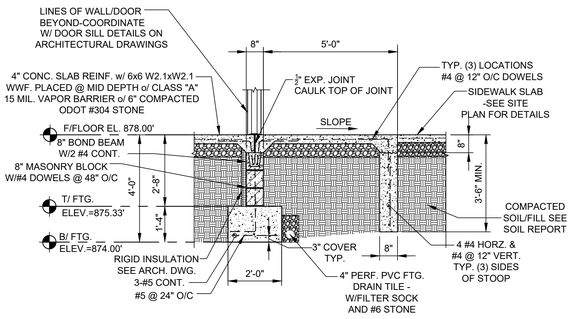
NOTE: TYPICAL FOR ALL SECTIONS AND DETAILS - NOT ALL WALL COMPONENTS ARE SHOWN FOR CLARITY - SEE ARCH. SECTIONS



A100.1 / S300.1 SECTION
SCALE: 3/8"=1'-0"

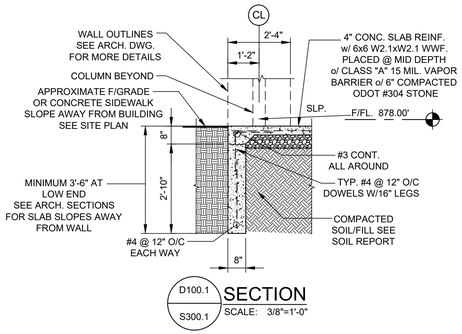


B101.1 / S300.1 SECTION
SCALE: 3/8"=1'-0"

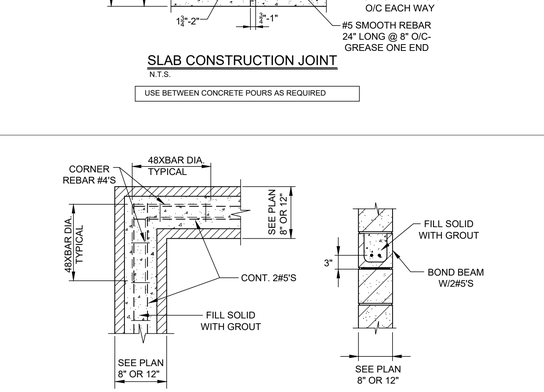


TYP. STOOP FOUNDATION

C100.1 / S300.1 SECTION
SCALE: 3/8"=1'-0"

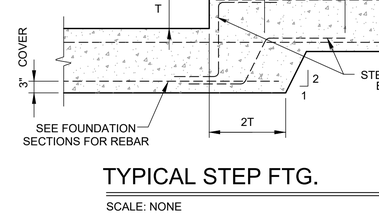


D100.1 / S300.1 SECTION
SCALE: 3/8"=1'-0"



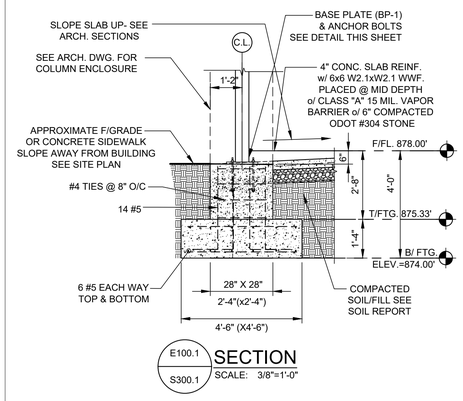
TYPICAL WALL FTG. @ STORM OR SEWER LINES UNDER FTG.
SCALE: 3/8"=1'-0"

NOTE: G.C. TO PROVIDE AND INSTALL SLEEVES THRU WALLS FOR ALL UNDERGROUND PIPES (SEWER, STORM, ETC.) AND CONDUITS (ELECTRICAL, PLUBMING, ETC.,)
- SLEEVES TO HAVE AN I.D. OF A MIN. OF 3" LARGER THAN THE SIZE OF PIPE-SEAL SPACE WITH FOAM, CAULK OR GASKET- COORDINATE WITH PLUMBING AND SITE DRAWINGS

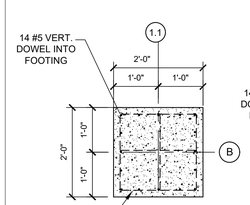


TYPICAL FOOTING EXTENSION THRU FILL/SOFT SOIL
SCALE: N.T.S.

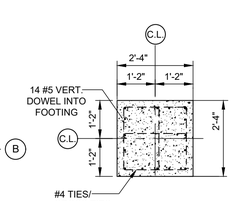
SIMILAR AT COLUMN FOOTERS



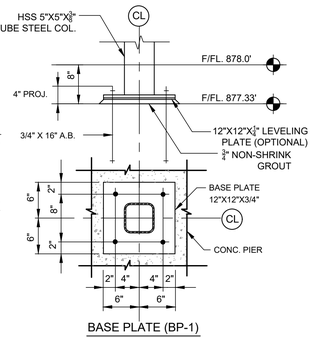
E100.1 / S300.1 SECTION
SCALE: 3/8"=1'-0"



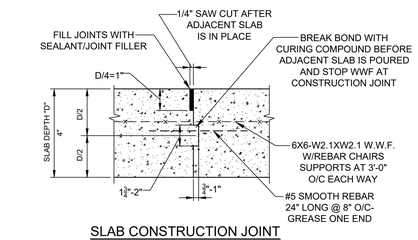
PIER- PR2
SCALE: N.T.S.



PIER- PR1
SCALE: N.T.S.

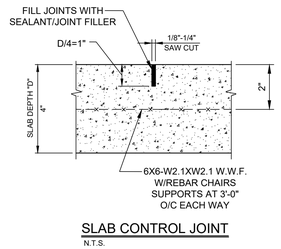


BASE PLATE (BP-1)
SCALE: 1"=1'-0"



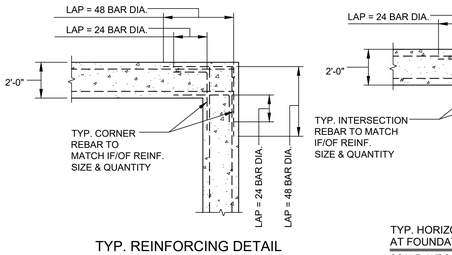
SLAB CONSTRUCTION JOINT
N.T.S.

USE BETWEEN CONCRETE POURS AS REQUIRED



SLAB CONTROL JOINT
N.T.S.

SAW CUT JOINT WITHIN 12 HOURS OF CONCRETE SETTING UP



TYP. REINFORCING DETAIL AT FOUNDATION/WALL CORNERS
SCALE: N.T.S.

NOT ALL REBAR IS SHOWN FOR CLARITY

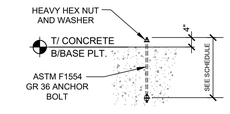
TYP. HORIZONTAL REINFORCING DETAIL AT FOUNDATION INTERSECTION
SCALE: N.T.S.

NOT ALL REBAR IS SHOWN FOR CLARITY

COLUMN FOOTING SCHEDULE				
MARK	QUANTITY	SIZE AxAxT	REINFORCING	BOTTOM ELEVATION
F1	5	4'-6"X4'-6"X1'-4"	6#5 EACH WAY/ TOP & BOTTOM	874.0' (-4'-0")

PIER SCHEDULE					
MARK	QUANTITY	SIZE axb	MAIN REINFORCING	TIES	TOP ELEVATION
PR-1	4	28"X28"	14 #5	#4@8" O.C.	878.0' (-0'-0")
PR-2	1	24"X24"	14 #5	#4@8" O.C.	877.33' (-0'-8")

BASE PLATE SCHEDULE					
MARK	COLUMN SIZE	BASE PLATE SIZE	QUANTITY	ANCHOR BOLT SIZE	LEVELING PLATE
BP-1	HSS 5"X5"X3/8"	12"X12"X3/4"	5	4- 3/4" DIA.X16"	12"x12"x1/4"



TYP. ANCHOR BOLT DETAIL
SCALE: N.T.S.

ANCHOR BOLT SCHEDULE			
SIZE	EMBED. LENGTH	PROJECTION	TOTAL LENGTH
3/4"	12"	4" FROM BOTTOM OF BASE PLATE	16"

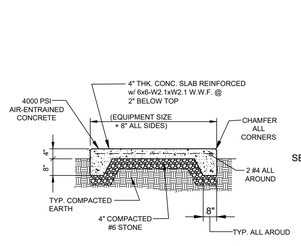
- ALL ANCHOR BOLTS TO MEET OR EXCEED ASTM F1554 GR36
- ALL ANCHOR BOLTS TO HAVE HEAVY HEX NUTS & WASHERS
- ALL ANCHOR BOLTS, NUTS, WASHERS TO BE HOT DIPPED GALVANIZED

PLAN @ CORNER SECTION

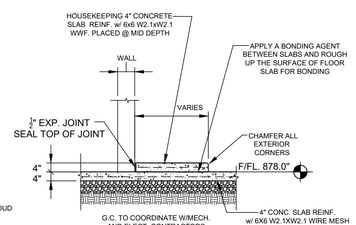
TYPICAL MASONRY FOUNDATION BOND BEAM REINFORCING DETAILS
SCALE: N.T.S.

TYPICAL STEP FTG.
SCALE: NONE

NOT ALL REBAR IS SHOWN FOR CLARITY



TYP. MISC. EXTERIOR CONCRETE EQUIP. SUPPORT PAD
SCALE: N.T.S.
(VERIFY SIZES, LOCATIONS WITH MECHANICAL & ELECTRICAL CONTRACTORS)



TYPICAL INTERIOR HOUSEKEEPING CONCRETE PAD DETAIL
SCALE: N.T.S.

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STATE OF OHIO
KENT D. BUEHRER
54249
REGISTERED
PROFESSIONAL ENGINEER
SIGNATURE DATE 00/00/00

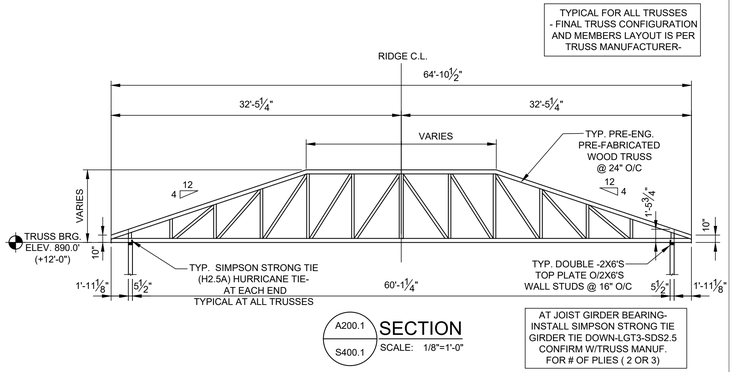
GLSM PARK OFFICE
FOR
OHIO DEPARTMENT OF NATURAL RESOURCES DNR-250013
AUGLAZE COUNTY, OHIO

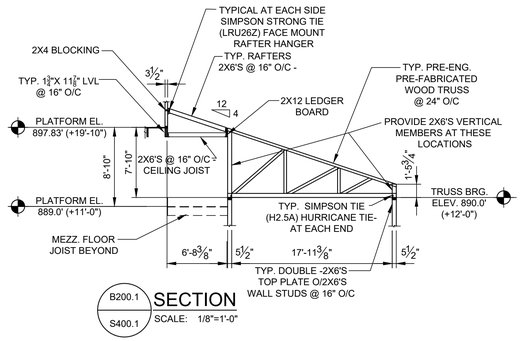
ISSUE DATE: 09/19/2025

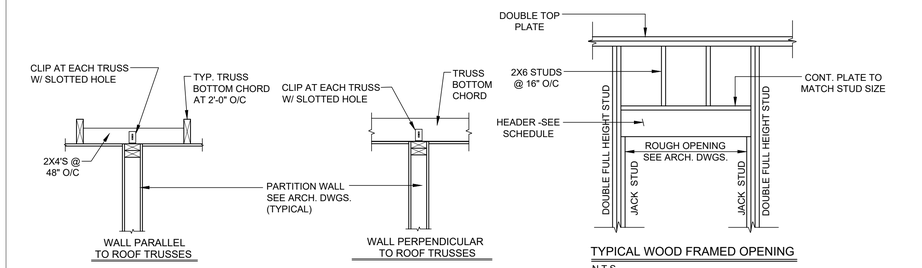
JOB NUMBER: 241224

CONSTRUCTION DOCUMENTS

S300.1





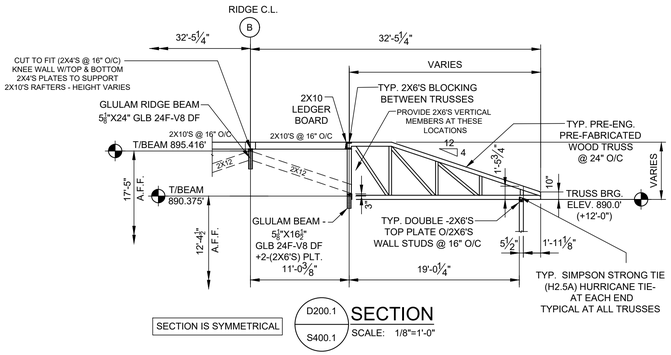


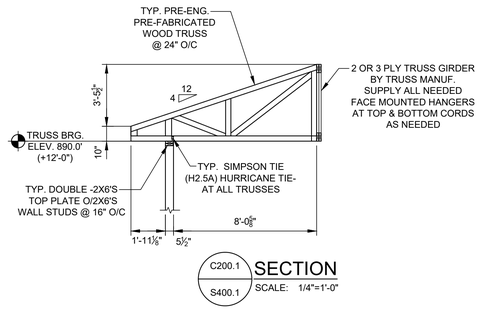
TYP. PARTITION WALL BRACING DETAILS

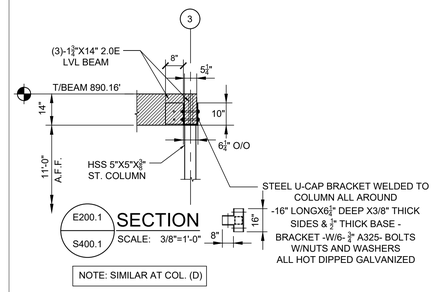
SCALE: N.T.S.

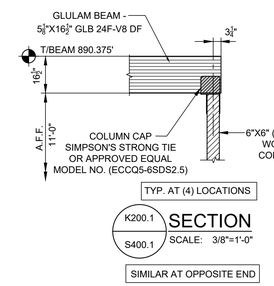
FOR ALL DOORS, WINDOWS AND MISC. OPENINGS IN 4" STUD WALLS (UP TO 6'-4" WIDE) USE: HEADER 2-(2X8'S)+ 1 (1/2") PLYWOOD FILLER

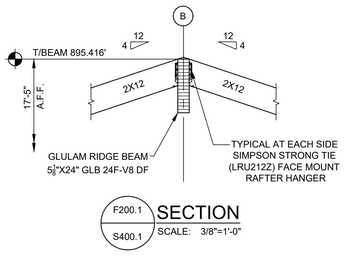
FOR ALL DOORS, WINDOWS AND MISC. OPENINGS IN 6" STUD WALLS (UP TO 6'-4" WIDE) USE: HEADER 3-(2X8'S)+ 2 (1/2") PLYWOOD FILLER

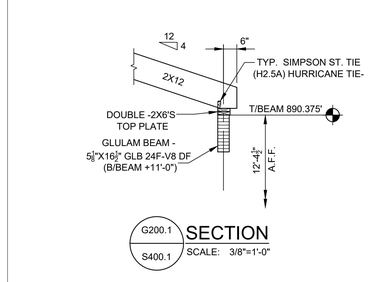


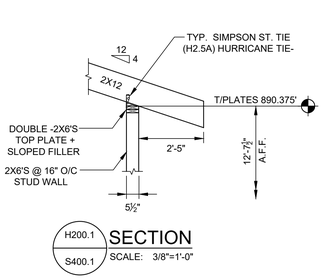


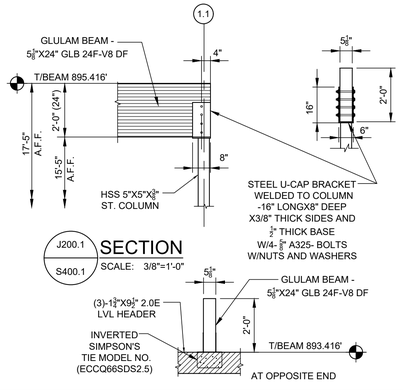


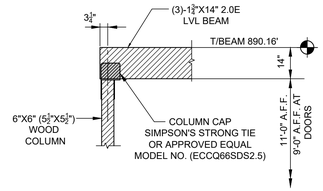








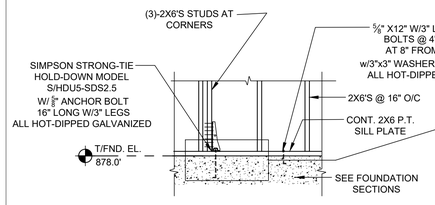


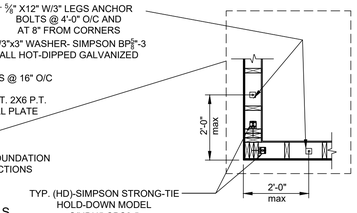


TYPICAL BEAM/HEADER AT COLUMN/WALL

SCALE: N.T.S.

NOTE: SIMILAR AT DOOR HEADERS WITH (3)- 1¾"X11⅞" & (3) - 1¾"X9¼" LVL BEAMS





STATE OF OHIO
KENT D. BUEHRER
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REGISTERED PROFESSIONAL ENGINEER
SIGNATURE DATE 00/00/00

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GLSM PARK OFFICE
FOR
OHIO DEPARTMENT OF NATURAL RESOURCES DNR-250013
AUGLAZE COUNTY, OHIO

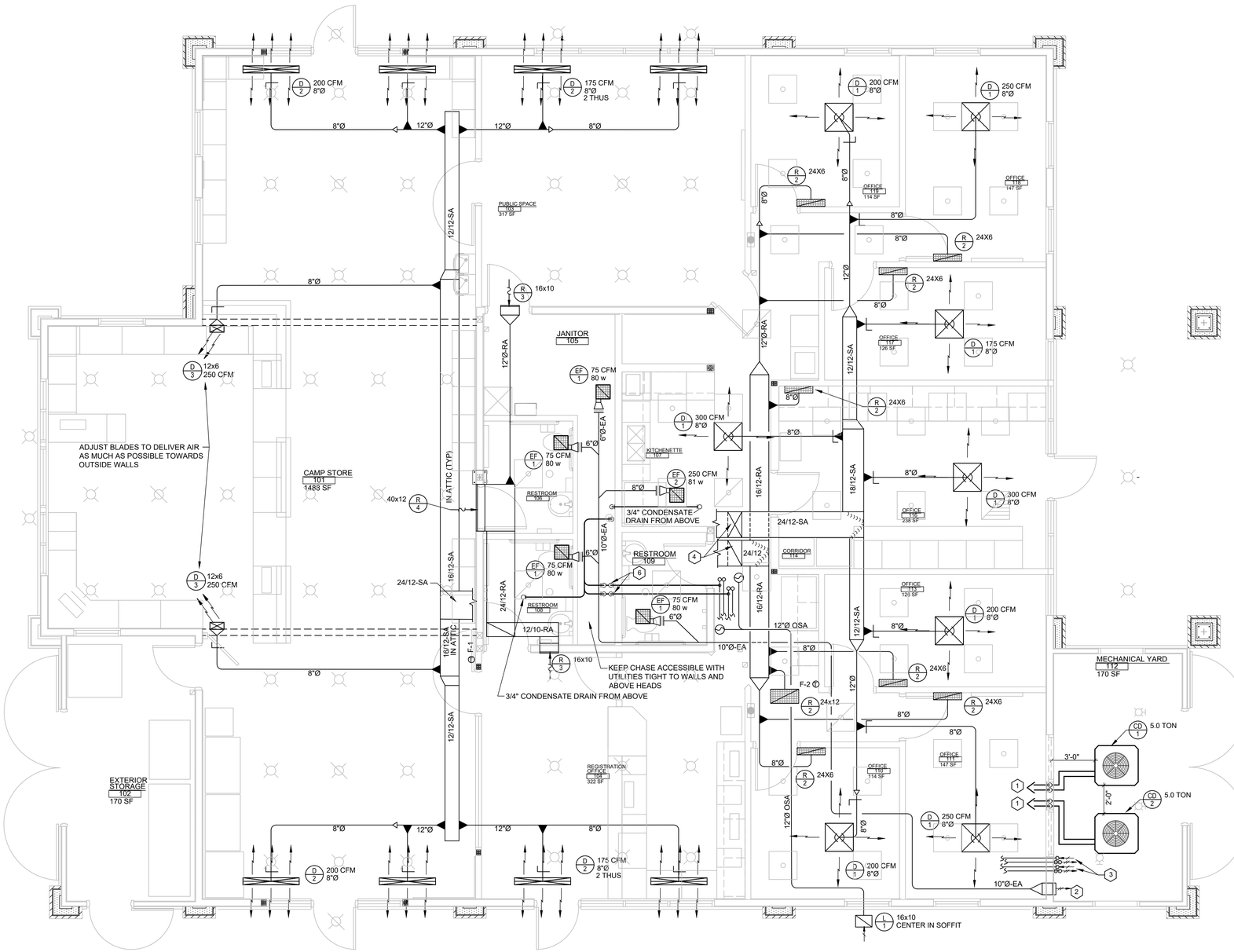
REVISION SCHEDULE

ISSUE DATE: 09/19/2025

JOB NUMBER: 241224

CONSTRUCTION DOCUMENTS

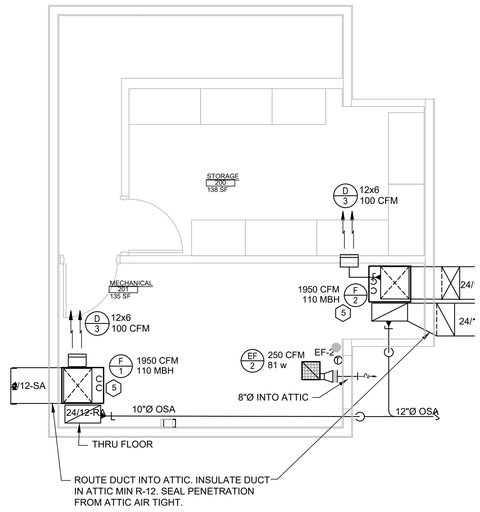
S400.1



HVAC
FIRST FLOOR PLAN

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

NORTH



HVAC
MEZZANINE PLAN

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

NORTH

KEYED NOTES

1. ROUTE REFRIGERANT PIPING THRU WALL SEAL WEATHER TIGHT. RISE CONCEALED INSIDE WALL TO ABOVE CEILING AND ROUTE TO RESPECTIVE UNIT. VERIFY ALL REFRIGERANT PIPE SIZE WITH MNF.
2. WALL VENT. COORDINATE M.H. WITH ARCHITECTURAL DRAWINGS. VENT SHALL BE SEIHO MODEL #SFX-N 10"Ø ALUMINUM LOUVERED VENT CAP WITH HOOD, BUG SCREEN AND BACK DRAFT DAMPER.
3. ROUTE FURNACE FLUE AND INTAKE TO INDEPENDENT TERMINATIONS PER MANUFACTURERS WRITTEN INSTRUCTIONS. FLUE MIN 1'-0" BELOW SOFFIT. PAINT TO MATCH ADJACENT SURFACES.
4. ROUTE DUCT INTO ATTIC AND DROP OUT OF ATTIC TO ABOVE LAY IN CEILING. INSULATE DUCT IN ATTIC MIN R-12. SEAL PENETRATION FROM ATTIC AIR TIGHT.
5. SET FURNACE LEVEL ON NEOPRENE ISOLATORS. ROUTE CONDENSATE PIPING INDEPENDENTLY TO FLOOR DRAIN IN PIPE CHASE BELOW.
6. PROVIDE 3/4" PVC CONDENSATE DRAIN TRAP AT LOW POINT OF FLUE TO PREVENT CONDENSATE DRAINING TO OUTSIDE. SLOPE 1/4" PER FOOT TOWARDS TO TRAP AND ROUTE DRAIN TO FLOOR DRAIN IN PIPE CHASE. PROVIDE PERMANENT STENCILED SIGN AT EACH FURNACE INDICATING LOCATION OF TRAPS. "CHECK SECONDARY FLUE CONDENSATE TRAPS LOCATED IN PIPE CHASE BELOW EVERY FILTER CHANGE"

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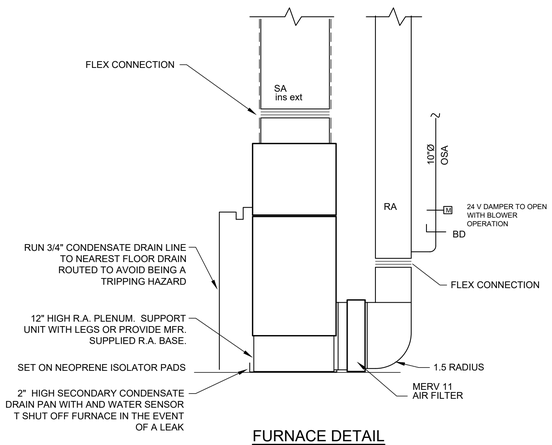
CONSTRUCTION DOCUMENTS

M100.1

MINIMUM OUTSIDE AIR CALCULATIONS ASHRAE STD. 62.1-2016 COMPLIANCE MULTIPLE ZONE SYSTEM W/O ZONE LEVEL RECIRCULATION		
ZONE	F-1	F-2
OCCUPANCY CATEGORY	RETAIL	OFFICE
SUPPLY AIR VOLUME	1950 CFM	1950 CFM
PEOPLE OUTDOOR AIR RATE (CFM/PERSON) (Rp)	7.5 CFM	5.0 CFM
AREA OUTDOOR AIR RATE (CFM/SQ. FT.) (Ra)	0.12	0.06
AREA (SQ. FT.) (Az)	2127 SF	1194 SF
CALCULATED OCCUPANCY (NUMBER OF PEOPLE) (Pz)	10 PPL	8 PPL
ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez)	0.8	0.8
PEOPLE OUTDOOR AIR (Rp x Ap)	75 CFM	40 CFM
AREA OUTDOOR AIR (Ra x Az)	255 CFM	72 CFM
BREATHING ZONE OUTDOOR AIR (Ra+Az)	330 SF	112 CFM
ZONE OUTDOOR AIR FLOW (Voz)	413 CFM	140 CFM

- BALANCE TO INDICATED CFM AT RESPECTIVE UNIT



FURNACE DETAIL
NO SCALE

AIR COOLED CONDENSING UNIT SCHEDULE (DUCANE)							
MARK	MODEL	STAGES	SEER	NOM TONS	ELECT.	MCA	FUSE	OPERATING WEIGHT
CD-1	4AC16L60P-53	2	15.2	5.0	230V-1Ø	29.6 AMPS	50 AMPS	215 LBS
CD-2	4AC16L60P-53	2	15.0	5.0	230V-1Ø	29.6 AMPS	50 AMPS	215 LBS

- SUPPLY W/ RUBBER ISOLATOR KIT & ANTI SHORT CYCLE TIMER
- R-454B REFRIGERANT
- EQUAL BY DAIKIN, TRANE or YORK

DIFFUSER, LOUVER & GRILLE SCHEDULE										
MARK NO.	MAX CFM	STATIC PRESS. (IN H_2O)	DAMP.	NECK SIZE	AIR PATTERN	FINISH	THROW (FT)	N.C.	DESCRIPTION PRICE	COMMENTS
D-1	300	.12	-	8"Ø	4-WAY	WHT	12-20	25	SMD 24x24 face	INSULATE BACK OF PAN
D-2	300	.06	-	8"Ø	2-WAY	WHT	8-20	28	TBD4100 - 2 SLOT	48" LONG (2) - SLOT 1" SLOT WIDTH
D-3	350	.08	VOL	12x6	ADJ	WHT	17-32	29	520L	DOUBLE DEFLECTION
R-1	350	.10	-	24x12	-	WHT	-	25	85-TSF	EGG CRATE 45° SIGHT RESISTANT
R-2	500	.10	-	24x6	-		-	25	85-TSF	EGG CRATE 45° SIGHT RESISTANT
R-3	500	.08	-	16x10	-		-	25	530L	1/2" SPACING LOUVERED FACE
L-1	600	.04	-	16x12		BY ARCH	-	-	ALUMINUM 635	W/INSECT SCREEN OSA SOFFIT INTAKE
									GREENHECK	

- THROWS ARE SHOWN FROM 150 fpm TO 50 fpm

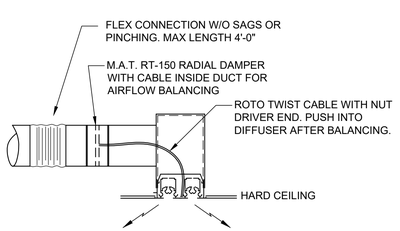
FAN SCHEDULE								
MARK NO.	CFM	S.P. (IN H_2O)	HP	ELECT.	DAMPER	DESCRIPTION GREENHECK	INLET SONES	COMMENTS
EF-1	75	.250	12w	115-1Ø	BDD	SP-B110	1.5	TIED TO OCC SENSOR IN SPACE
EF-2	250	.250	83w	115-1Ø	BDD	SP-A250	2.5	(1) LINE VOLTAGE THERMOSTAT

- EQUAL BY ACME, PENN OR COOK

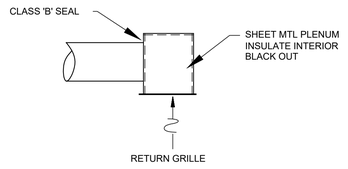
HVAC DUCTWORK INSULATION SCHEDULE			
AREA AND SERVICE	INSULATION TYPE	THICKNESS	MIN R-VALUE
SA CONCEALED ABOVE CEILING	1-1/2# W/FRK	1-1/2"	R-6
SA EXPOSED	NONE UNLESS NOTED	-	-
SA IN RETURN AIR CEILING PLENUM	1-1/2# W/FRK	1-1/2"	R-5
SA EXPOSED IN MECHANICAL ROOMS	3# RIGID FRK	1-1/2"	R-6
SA & RA EXPOSED OUTSIDE	3# RIGID ASJ W/ALUMINUM JACKET	3"	R-12
SA & RA IN VENTILATED ATTICS	1-1/2# W/FRK	4"	R-12
RELIEF AIR EXPOSED	1-1/2# W/ASJ 6# RIGID FRK	1-1/2"	R-6
OSA INTAKE EXPOSED	1-1/2# W/ASJ 6# RIGID FRK	1-1/2"	R-6
EXHAUST AIR WHERE NOTED	1-1/2# W/FRK	1-1/2"	R-6
RA INTERNAL WHERE NOTED	1-1/2# LINER W/REINFORCED COATING	1"	R-4

FURNACE SCHEDULE		
MARK NO.	F-1	F-2
TYPE	UP FLOW	UP FLOW
MODEL	97G2E	97G2E
FUEL	NAT GAS	NAT GAS
MFG	DUCANE	DUCANE
APROX WEIGHT	200 LBS	200 LBS
FAN PERFORMANCE		
TYPE	VARIABLE	VARIABLE
CFM@0.5 wg	1950 CFM	1950 CFM
E.S.P.	0.50	0.50
MOTOR H.P.	1.0 HP	1.0 HP
VOLTAGE	115-1Ø	115-1Ø
FLA	10.9 AMPS	10.9 AMPS
COOLING COILS		
CAPACITY@AHRI	52.5 MBH	52.5 MBH
COIL	MATCH TO CD	MATCH TO CD
HEAT EXCHANGER STAINLESS STEEL	2-STAGE	2-STAGE
AFUE	95.0%	95.0%
FLUE/INTAKE	3"Ø	3"Ø
TEMP RISE	44°F	44°F
INPUT MBH	110/72 MBH	110/72 MBH
OUTPUT MBH	108/71 MBH	108/71 MBH
MISC.		
FILTERS	MERV 8	MERV 8
FLUE /INTAKE	CONCENTRIC	CONCENTRIC
THERMOSTAT	TOUCH SCREEN 4H/2C DEHUMID	TOUCH SCREEN 4H/2C DEHUMID
MIN OSA	PER OSA SCHEDULE	PER OSA SCHEDULE

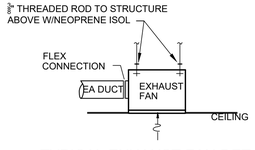
- ASHRAE 2019 COMPLIANT
- SET ON RIBBED OR WAFFLED NEOPRENE PAD
- EQUAL BY DAIKIN, TRANE or YORK



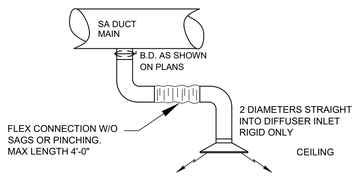
LINEAR DIFFUSER CONNECTION
SCALE: N.T.S



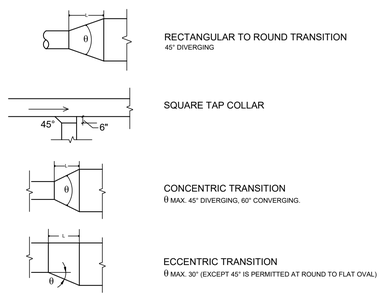
RETURN AIR GRILLE DETAIL
NO SCALE



TYPICAL EXHAUST FAN DETAIL
NO SCALE



TYPICAL DIFFUSER CONNECTION
NO SCALE



DUCT TRANSITIONS & CONNECTIONS
NO SCALE

LEGEND

F-# T	THERMOSTAT AND DEVICE CONTROLLED WITH LOCKING THERMOSTAT GUARD
TI	TENNANT IMPROVEMENTS CONTRACTOR
MH	MOUNTING HEIGHT TO BOTTOM OF DEVICE
RA	RETURN AIR
SA	SUPPLY AIR
EA	EXHAUST AIR
OSA	OUT SIDE AIR
TA	TRANSFER AIR
E.C.	ELECTRIC CONTRACTOR
	RETURN AIR
	EXHAUST AIR
	OUTSIDE INTAKE AIR
	SUPPLY AIR
24/12	DUCT SIZE (WIDTH/HEIGHT)
ins int	INSULATE INTERIOR OF DUCT
ins ext	INSULATE EXTERIOR OF DUCT
M	MOTOR OPERATED DAMPER
BD	BALANCE DAMPER
	RETURN/EXH AIR
	SUPPLY AIR
	DUCT AIR TURNING VANES
	FLEXIBLE CONNECTION
SD	FIRE/SMOKE DAMPER
FD	90 MIN FIRE DAMPER
AD	ACCESS DOOR IN DUCT

STATE OF OHIO
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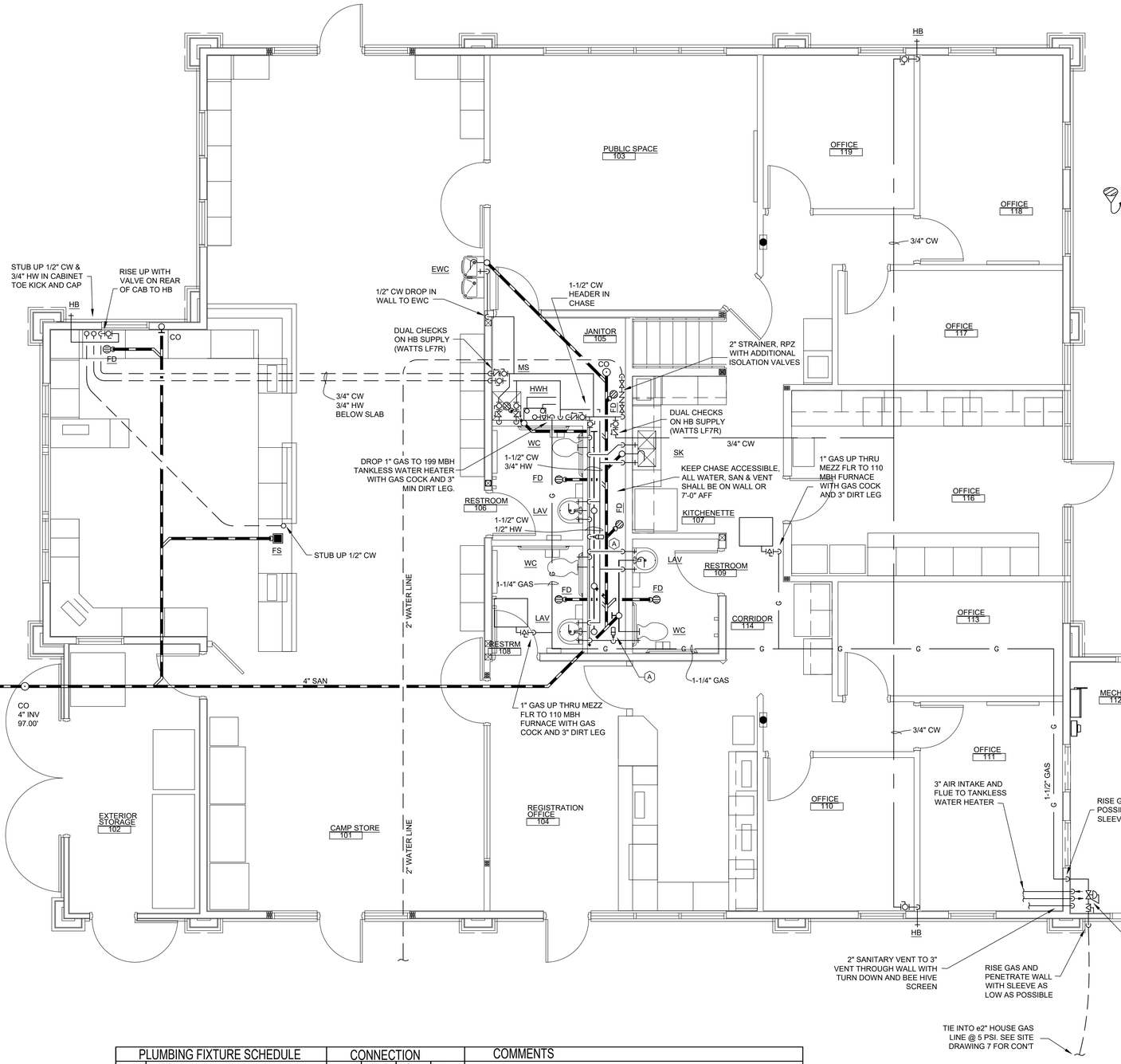
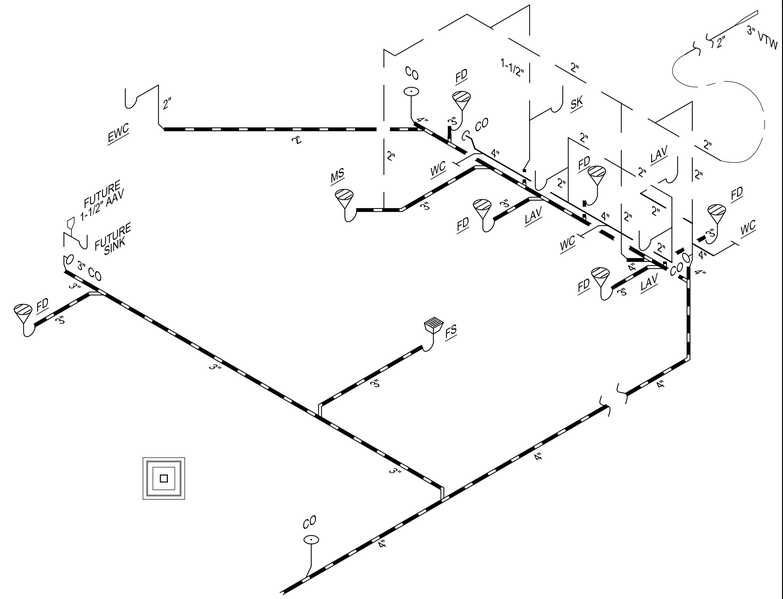
M200.1



FIRST FLOOR PLUMBING PLAN

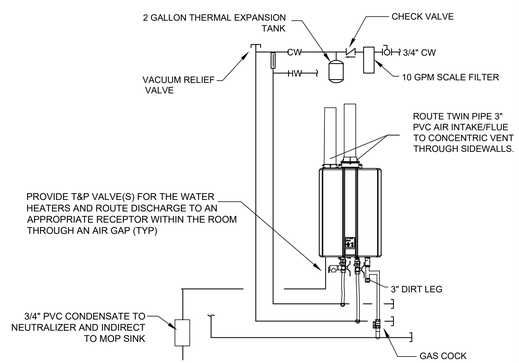
SCALE: 1/4"=1'-0"

NORTH



ISOMETRIC OF VENT AND WASTE PIPING

SCALE 1/8" = 1'-0"



HOT WATER HEATER DETAIL

NO SCALE

PLUMBING FIXTURE SCHEDULE		CONNECTION				COMMENTS
MARK	ITEM	WASTE	VENT	CW	HW	
WC	ADA WATER CLOSET	4"	2"	1"	–	ELONGATED, WALL MT, 750 LB CARRIER, 1.6 GPF MANUAL FLUSH VALVE HANDLE ON OPEN SIDE
LAV	ADA CHINA LAVATORY	1.5"	1.25"	1/2"	1/2"	MANUAL 0.5 GPM FAUCET, 1070 MIX VALVE, GRID DRAIN, CARRIER
FD	FLOOR DRAIN	3"	1.5"	–	–	ROUND NICKEL-BRONZE STRAINER, "SURE SEAL" TRAP SEALER
EWC	ELECTRIC WATER COOLER	1.5"	1.25"	1/2"	–	ADA FOUNTAIN SPLIT LEVEL, FILTERED, ELECTRONIC BOTTLE FILLER
MS	MOP SINK	3"	1.5"	3/4"	3/4"	T-10VB FAUCET, DRAIN GRID, T-35 HOSE & HOOK
SK	COUNTERTOP SINK	2"	1.5"	1/2"	1/2"	NO GARBAGE DISPOSAL
WH	WATER HEATER	–	–	3/4"	3/4"	TANKLESS 199,000 BTU, 5.2 GPM @ 75°F RISE = 120°F
HB	HOSE BIBB - FREEZE PROOF	–	–	3/4"	–	EXTERIOR FREEZE PROOF HOSE BIBB, ENCASED, KEYED
FS	FLOOR SINK	3"	1.5"	–	–	1/2 PVC GRATE WITH BOTTOM DOME STRAINER

☐ INSTALL PRO-WRAP OR EQUAL INSULATION/PROTECTION ON TRAP AND WATER VALVES FOR ADA COMPLIANCE

PLUMBING NOTES

- ☐ COORD WITH G.C. FOR CAPPING OF WATER, SANITARY AND GAS TO BUILDINGS BEING DEMOLISHED AS SHOWN ON SITE DRAWINGS 5 AND 6.
- ☐ COORD WITH G.C. FOR INSTALLATION OF WATER, SANITARY AND GAS TO NEW BUILDING AS SHOWN ON SITE DRAWING 7.
- ☐ DOMESTIC WATER PIPING SHALL BE TYPE "L" COPPER WITH SWEAT FITTING. 1" INSULATION ON DOMESTIC HOT WATER AND 1/2" ON COLD WATER. INSTALL VALVE STOPS AT ALL FIXTURES.
- ☐ ALL VENT/FLUE SHALL BE THROUGH SIDE OF BUILDING, NO ROOF PENETRATIONS

LEGEND

- SANITARY BELOW SLAB
- SANITARY ABOVE GROUND
- VENT
- G — GAS LINE
- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- DOMESTIC HOT WATER RETURN
- GV — GAS VALVE
- BV — BALL VALVE
- WHA — WATER HAMMER ARRESTOR
- V.T.W. — VENT THROUGH WALL

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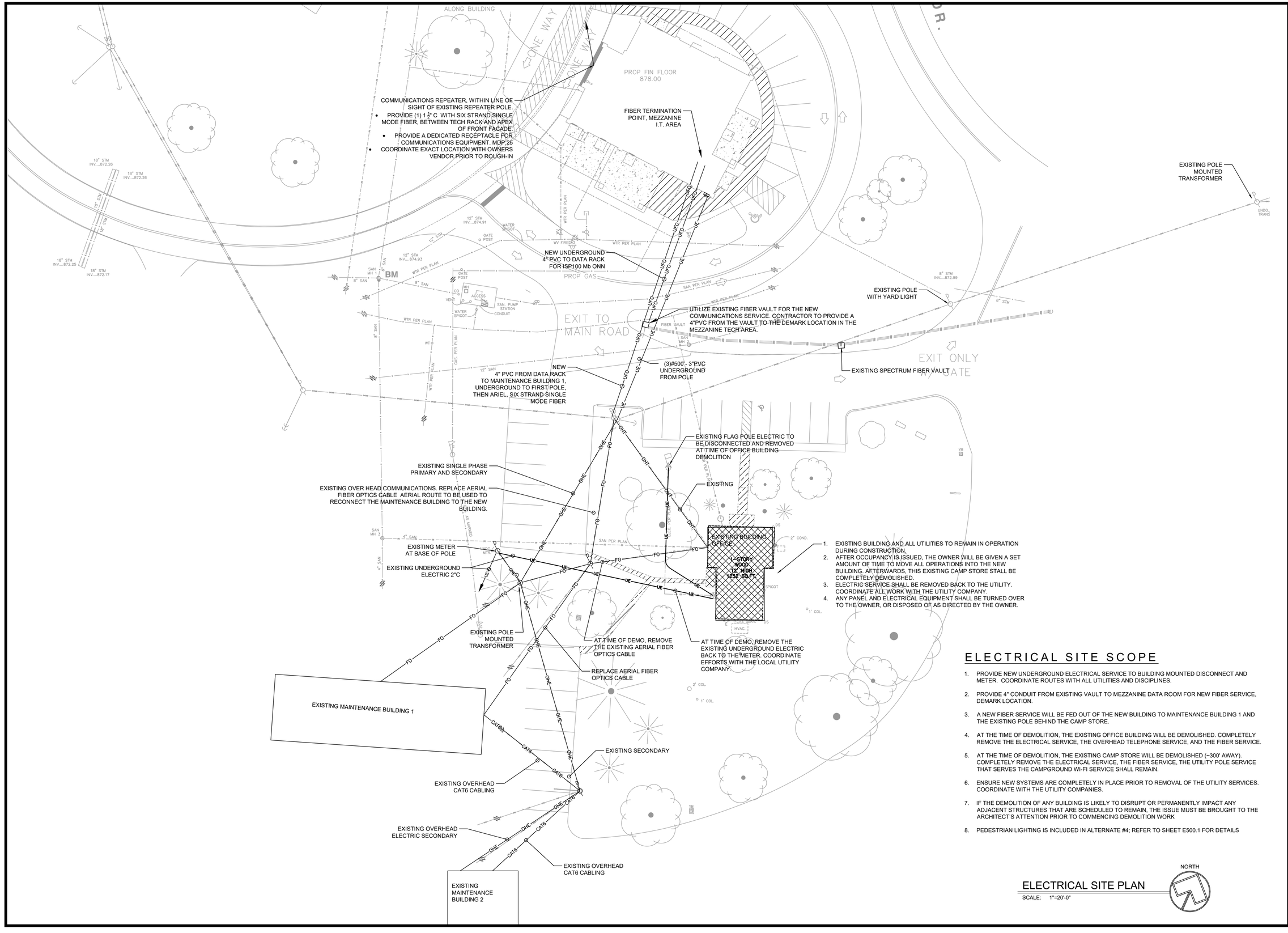
P100.1



ELECTRICAL SITE SCOPE

1. PROVIDE NEW UNDERGROUND ELECTRICAL SERVICE TO BUILDING MOUNTED DISCONNECT AND METER. COORDINATE ROUTES WITH ALL UTILITIES AND DISCIPLINES.
2. PROVIDE 4" CONDUIT FROM EXISTING VAULT TO MEZZANINE DATA ROOM FOR NEW FIBER SERVICE, DEMARK LOCATION.
3. A NEW FIBER SERVICE WILL BE FED OUT OF THE NEW BUILDING TO MAINTENANCE BUILDING 1 AND THE EXISTING POLE BEHIND THE CAMP STORE.
4. AT THE TIME OF DEMOLITION, THE EXISTING OFFICE BUILDING WILL BE DEMOLISHED. COMPLETELY REMOVE THE ELECTRICAL SERVICE, THE OVERHEAD TELEPHONE SERVICE, AND THE FIBER SERVICE.
5. AT THE TIME OF DEMOLITION, THE EXISTING CAMP STORE WILL BE DEMOLISHED (~300' AWAY). COMPLETELY REMOVE THE ELECTRICAL SERVICE, THE FIBER SERVICE, THE UTILITY POLE SERVICE THAT SERVES THE CAMPGROUND WI-FI SERVICE SHALL REMAIN.
6. ENSURE NEW SYSTEMS ARE COMPLETELY IN PLACE PRIOR TO REMOVAL OF THE UTILITY SERVICES. COORDINATE WITH THE UTILITY COMPANIES.
7. IF THE DEMOLITION OF ANY BUILDING IS LIKELY TO DISRUPT OR PERMANENTLY IMPACT ANY ADJACENT STRUCTURES THAT ARE SCHEDULED TO REMAIN, THE ISSUE MUST BE BROUGHT TO THE ARCHITECT'S ATTENTION PRIOR TO COMMENCING DEMOLITION WORK
8. PEDESTRIAN LIGHTING IS INCLUDED IN ALTERNATE #4; REFER TO SHEET E500.1 FOR DETAILS

ELECTRICAL SITE PLAN

SCALE: 1"=20'-0"

NORTH

STATE OF OHIO
KENT D. BUEHRER
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CONSTRUCTION DOCUMENTS

ESP1

1. EXISTING CAMP STORE BUILDING AND ALL UTILITIES TO REMAIN IN OPERATION DURING CONSTRUCTION.
2. AFTER OCCUPANCY IS ISSUED, THE OWNER WILL BE GIVEN A SET AMOUNT OF TIME TO MOVE ALL OPERATIONS INTO THE NEW BUILDING. AFTERWARDS, THIS EXISTING CAMP STORE STALL BE COMPLETELY DEMOLISHED.
3. DISCONNECT THE ELECTRIC SERVICE FROM THE WOOD STORAGE SHED. REMOVE THE CONDUCTORS AND THE DISCONNECT SWITCH. REFER TO THE SINGLE LINE DIAGRAM FOR MODIFICATIONS. ALL POLES WITH YARD LIGHTS TO REMAIN WITH CONNECTIVITY AND EXISTING PHOTOCELL CONTROLS.
4. THE UTILITY POLE LOCATED ADJACENT TO THE BUILDING SHALL REMAIN. THIS UTILITY POLE HOSTS A YARD LIGHT AND EQUIPMENT FOR THE WIRELESS COMMUNICATIONS SYSTEM.
5. USING THE EXISTING CONDUIT BETWEEN THE STRUCTURES, PROVIDE A NEW NEMA 3R JUNCTION BOX IN PLACE THE OF THE DISCONNECT SWITCH, A 20A BREAKER, AND NEW FEEDER FOR A BRANCH CIRCUIT FROM THE WOOD SHED PANEL TO POWER THE EXISTING POLES WITH YARD LIGHTS AND COMMUNICATION EQUIPMENT.
6. ANY PANEL AND ELECTRICAL EQUIPMENT SHALL BE TURNED OVER TO THE OWNER, OR DISPOSED OF AS DIRECTED BY THE OWNER.

EXISTING PANEL WOODSHED

MAINS:	100	MCB	V:	120/240V		1	PH.	3	WIRE				
MOUNTING:	SURFACE		LOCATION:						FED FROM:	SERVICE DISCONNECT			
	LOAD				AMPS	CKT	CKT	AMPS				LOAD	
DESCRIPTION	TYPE	A		B	POLE	#	#	POLE	A		B	TYPE	DESCRIPTION
MAIN					100	11	12	20				R	SOUTHSIDE RECEPTACLE
						13	14	20G				K	W. ICE MACHINE
SHED LIGHTS	L				20	15	16	20				R	NW OUTSIDE RECEPTACLE
EAST ICE MACHINE	K				20G	17	18	20	400			L	REPEATER POLE & LTS
EAST OUTSIDE RECEPTACLE	R				20	19	20						
FRONT CAMP ENTRANCE LIGHTS	L				20	21	22						
TENNIS / BASKETBALL	L				60	23	24						
						25	26						
						27	28						
SUBTOTAL #1		0		0					400		0		SUBTOTAL #2
SUBTOTAL #1 + #2		400		0									
TOTAL PANEL LOAD:	0.4	KVA		1.7	AMPS					DEMANDED:		#REF!	A MINIMUM FEEDER

EXISTING POLE WITH YARD LIGHT

CAMP STORE BUILDING

DISCONNECT & REMOVE THE ELECTRICAL SERVICE CONDUCTORS. INTERCEPT THE EXISTING CONDUIT AND ROUTE NEW BRANCH CIRCUIT TO THE EXISTING POLE

EXISTING POLE WITH YARD LIGHT & COMMUNICATIONS EQUIPMENT.

EXISTING UNDERGROUND ELECTRIC 2 ½"C

WOOD STORAGE SHED

EXISTING POLE MOUNTED TRANSFORMER

THE EXISTING WOOD STORAGE SHED SHALL REMAIN. MAINTAIN THE ELECTRICAL SERVICE AND THE FEED TO THE BASKETBALL COURT AND THE EAST ENTRANCE SIGNAGE.

EXISTING POLE WITH YARD LIGHT, FED FROM WOOD STORAGE BUILDING

EXISTING POLE WITH YARD LIGHT, FED FROM ADJACENT POLE

EXISTING UNDERGROUND ELECTRIC 2"C

ENTRANCE

EXIT

EDGEWATER DR.

STATE OF OHIO
D.V.145 P.148
PAR: K3100602600

CONSTRUCT 25' ~ 12" WIDE CONCRETE CURB ALONG BUILDING

ONE WAY

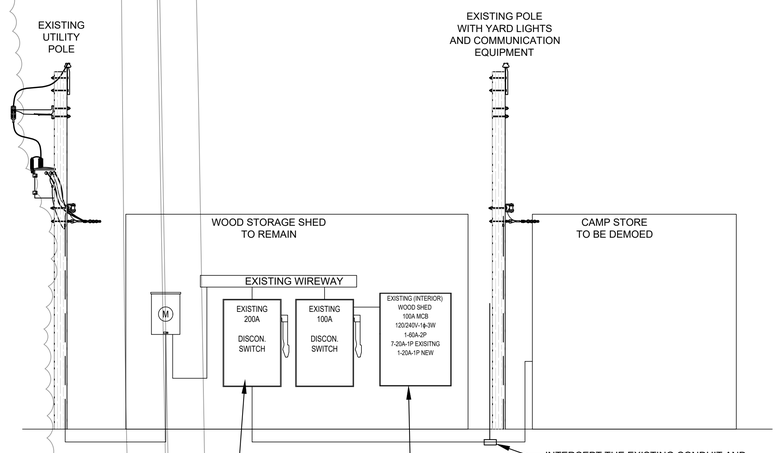
ONE WAY

PROP FIN FLOOR 878.00

FLAG POLE LIGHT WITH SOLAR LIGHT

COMMUNICATIONS REPEATER, WITHIN LINE OF SIGHT OF EXISTING REPEATER POLE.

- PROVIDE (1) 1 ¼" C WITH SIX STRAND SINGLE MODE FIBER, BETWEEN TECH RACK AND APEX OF FRONT FACADE.
- PROVIDE A DEDICATED RECEPTACLE FOR COMMUNICATIONS EQUIPMENT. MDP:25
- COORDINATE EXACT LOCATION WITH OWNERS VENDOR PRIOR TO ROUGH-IN



SINGLE LINE DIAGRAM,
120/240V, 1ϕ, 3W, 200A

834 EDGEWATER DRIVE
ST. MARY'S TOWNSHIP
AUGLAIZE COUNTY
PARCEL # K31002600

NORTH

ELECTRICAL SITE PLAN

SCALE: 1"=20'-0"

STATE OF OHIO
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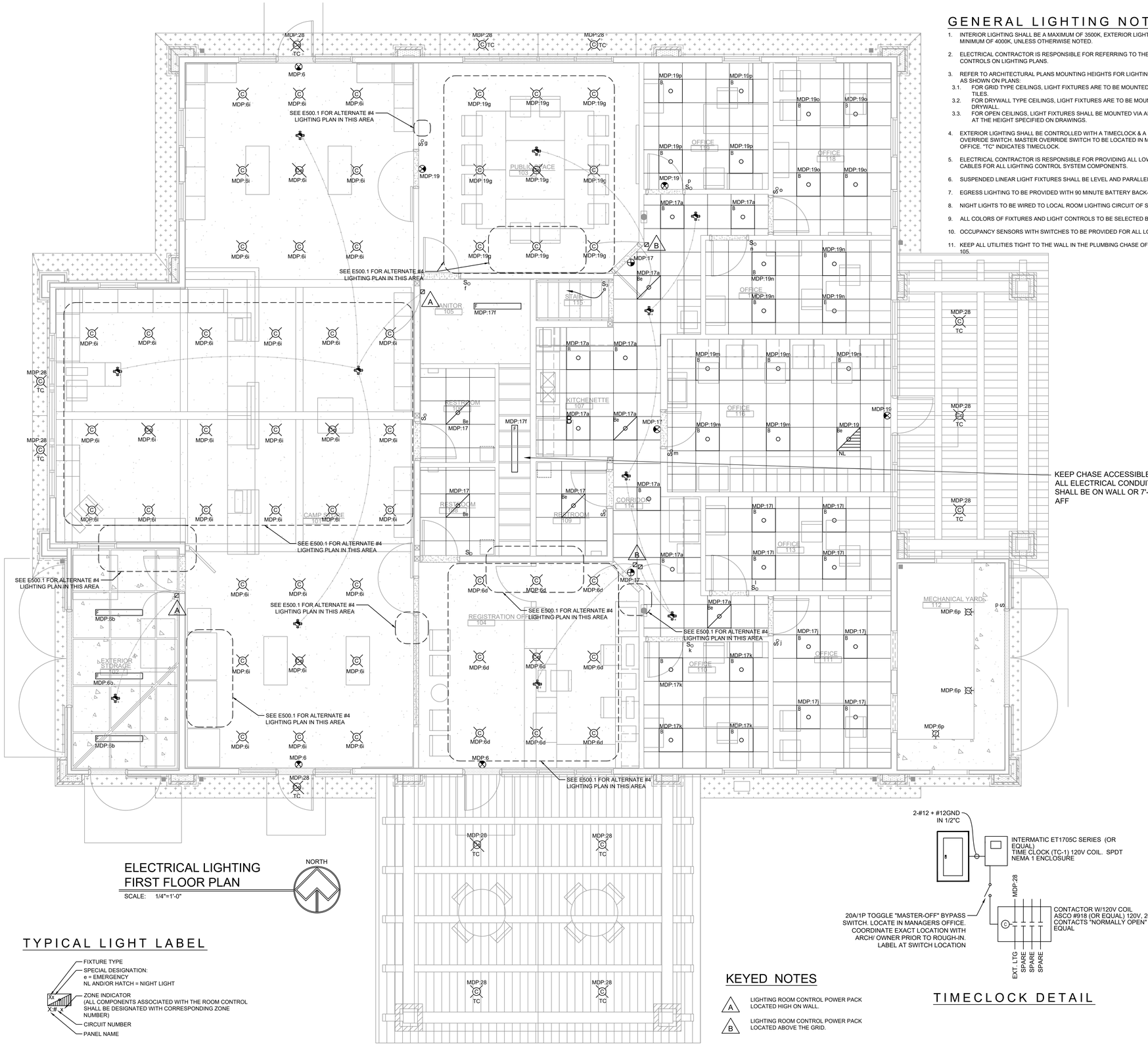
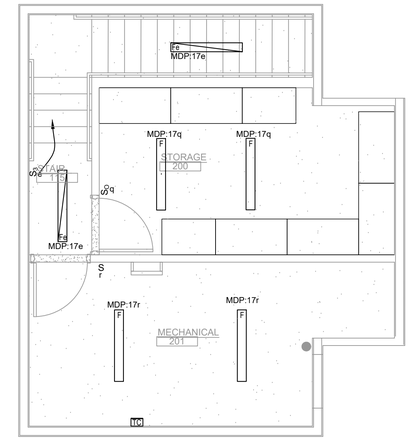
ESP2



ELECTRICAL LIGHTING FIRST FLOOR PLAN

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



ELECTRICAL LIGHTING MEZZANINE PLAN

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

GENERAL LIGHTING NOTES

1. INTERIOR LIGHTING SHALL BE A MAXIMUM OF 3500K, EXTERIOR LIGHTING SHALL BE A MINIMUM OF 4000K, UNLESS OTHERWISE NOTED.
2. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR REFERRING TO THE LIGHTING CONTROLS ON LIGHTING PLANS.
3. REFER TO ARCHITECTURAL PLANS MOUNTING HEIGHTS FOR LIGHTING FIXTURES ARE AS SHOWN ON PLANS:
   - 3.1. FOR GRID TYPE CEILINGS, LIGHT FIXTURES ARE TO BE MOUNTED INSIDE GRID TILES.
   - 3.2. FOR DRYWALL TYPE CEILINGS, LIGHT FIXTURES ARE TO BE MOUNTED IN DRYWALL.
   - 3.3. FOR OPEN CEILINGS, LIGHT FIXTURES SHALL BE MOUNTED VIA AIRCRAFT CABLE AT THE HEIGHT SPECIFIED ON DRAWINGS.
4. EXTERIOR LIGHTING SHALL BE CONTROLLED WITH A TIMECLOCK & A MASTER OVERRIDE SWITCH. MASTER OVERRIDE SWITCH TO BE LOCATED IN MANAGERS OFFICE. "TC" INDICATES TIMECLOCK.
5. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LOW-VOLTAGE CABLES FOR ALL LIGHTING CONTROL SYSTEM COMPONENTS.
6. SUSPENDED LINEAR LIGHT FIXTURES SHALL BE LEVEL AND PARALLEL TO FLOOR.
7. EGRESS LIGHTING TO BE PROVIDED WITH 90 MINUTE BATTERY BACK-UP.
8. NIGHT LIGHTS TO BE WIRED TO LOCAL ROOM LIGHTING CIRCUIT OF SWITCH.
9. ALL COLORS OF FIXTURES AND LIGHT CONTROLS TO BE SELECTED BY ARCHITECT.
10. OCCUPANCY SENSORS WITH SWITCHES TO BE PROVIDED FOR ALL LOCATIONS.
11. KEEP ALL UTILITIES TIGHT TO THE WALL IN THE PLUMBING CHASE OF JANITOR ROOM 105

LIGHT FIXTURE LEGENDS

- LED FIXTURE 1-30W-24"-LED-120V RECESSED 2' x 2' DIMMABLE (0-10V) LED FLAT PANEL TROFFER - 3500K - FOR GRID TYPE CEILING. EQUIP WITH LED DRIVER. "e" INDICATES BATTERY BACKUP. HATCHED SYMBOL DENOTES A NIGHTLIGHT, WIRED AHEAD OF THE SWITCH.
  - LITHONIA CPX 2x2 3400LM 80CRI 35K MIN10 ZT MVOLT
  - METALUX 22FP3235C
  - HUBBELL CFP22-3335
  - OR APPROVED EQUAL
- LED FIXTURE 1-15W-6"-LED-120V RECESSED 6" LED DOWNLIGHT - MATTE WHITE - 1500 LUMENS - 3500K. NEW CONSTRUCTION HOUSING. WET LOCATION RATED. DIMMING OPTION IN ROOM 103 iF ALTERNATE 34 IS NOT ACCEPTED.
  - LITHONIA LDN6 35/15 L06WR MVOLT
  - PRESCOLITE LF6SL-6LFSL1535K8WT
  - HALO PD615ED010-PDM6A835-61VWB
- F — LED FIXTURE 1-40W-48"-LED-120V 2" x 4' LED STRIPLIGHT - A" -3500K
  - METALUX 4SLSTP4040DD-UNV
  - LITHONIA ZL1D L48 5000LM FST MVOLT 35K 80CRI WH
  - CURRENT LCL4-35ML-EU
- OUTDOOR LED - 1-18W-LED-120V, WALL MOUNTED LED WALL PACK. 4000K SEE ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION. COLOR TO BE SELECTED BY ARCHITECT.
  - HALO WP-18-50-LED/WPFLD-TRN
  - LITHONIA ESXF1 ALO SWW2 KY DDB
  - ENVISION LED-ARL-15W-TRI-BZ-TR
- LED EXIT SIGN WITH 6" RED LETTERS IN WHITE PLASTIC HOUSING, MOUNTING AND ARROWS AS SHOWN. PROVIDE 90 MINUTES BATTERY BACKUP. DIFFUSE LENS. CENTER ABOVE DOORS.
  - LITHONIA LQM S W 3 R 120/277
  - SURE-LITES APX7R
  - DUAL-LITE EVEURW
  - CHLORIDE VXL3RW
  - COMPASS CE CER
- S — LOCAL SWITCH - 1 POLE - 20A - 125/277V WITH COVER PLATE. MH = 4'-0" .
  - HUBBELL 1221x
  - P & S CSB20AC1-x
  - COOPER 1221x
  - LEVITON 1221-2x
- S_3 — LOCAL SWITCH - 3 WAY - 20A - 125/277V WITH COVER PLATE. MH=4'-0".
  - HUBBELL 1223x
  - P & S CSB20AC3-x
  - COOPER 1223x
  - LEVITON 1223-2x
- S_4 — LOCAL SWITCH - 4 WAY - 20A - 125/277V WITH COVER PLATE. MH=4'-0".
  - HUBBELL 1224x
  - P & S CSB20AC4-x
  - COOPER 1224x
  - LEVITON 1224-2x
- S_D — DUAL TECHNOLOGY OCCUPANCY SENSOR WALL SWITCH - 1000W - 120/277V WITH COVER PLATE. MH=4'-0"
  - HUBBELL AD2000x1
  - P & S WDT100x
  - WATT STOPPER DW-100-x
  - SENSORSWITCH WSD PDT x
- S_D — LOCAL DIMMER SWITCH - LED DRIVER DIMMING (0-10V). VERIFY COMPATIBILITY WITH LIGHT FIXTURES AND POWER PACKS PRIOR TO ORDERING.
  - GREENGATE WBSD-010SLD-X
  - LUTRON NTSTV-DV-XX
  - SENSOR SWITCH SPODMRD X
  - P & S CD4FBLSPX
  - CRESTRON CLW-DIMFLVEX-277-P-X-S
- DUAL TECHNOLOGY PIR / ULTRASONIC OCCUPANCY SENSOR RECESSED IN CEILING - 24VDC. SEE SPECS. COVERS UP TO 1,000 FT.^{2} WITH 360° FIELD OF VIEW. EQUIP WITH LOW-VOLTAGE POWER PACK.
  - GREENGATE OAC-DT-1000
  - SENSOR SWITCH RM PDT 9
  - WATTSTOPPER DT-300
- OCCUPANCY SENSOR CONTROL UNIT / POWER PACK - 120/277V - MOUNT ABOVE CEILING IN NEMA 1 ENCLOSURE. SEE SPECS.
  - GREENGATE SP20-MV
  - SENSOR SWITCH MP20
  - WATTSTOPPER BZ-50

TYPICAL LIGHT LABEL

KEYED NOTES

- A — LIGHTING ROOM CONTROL POWER PACK LOCATED HIGH ON WALL.
- B — LIGHTING ROOM CONTROL POWER PACK LOCATED ABOVE THE GRID.

TIMECLOCK DETAIL

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AUGLAZE COUNTY, OHIO

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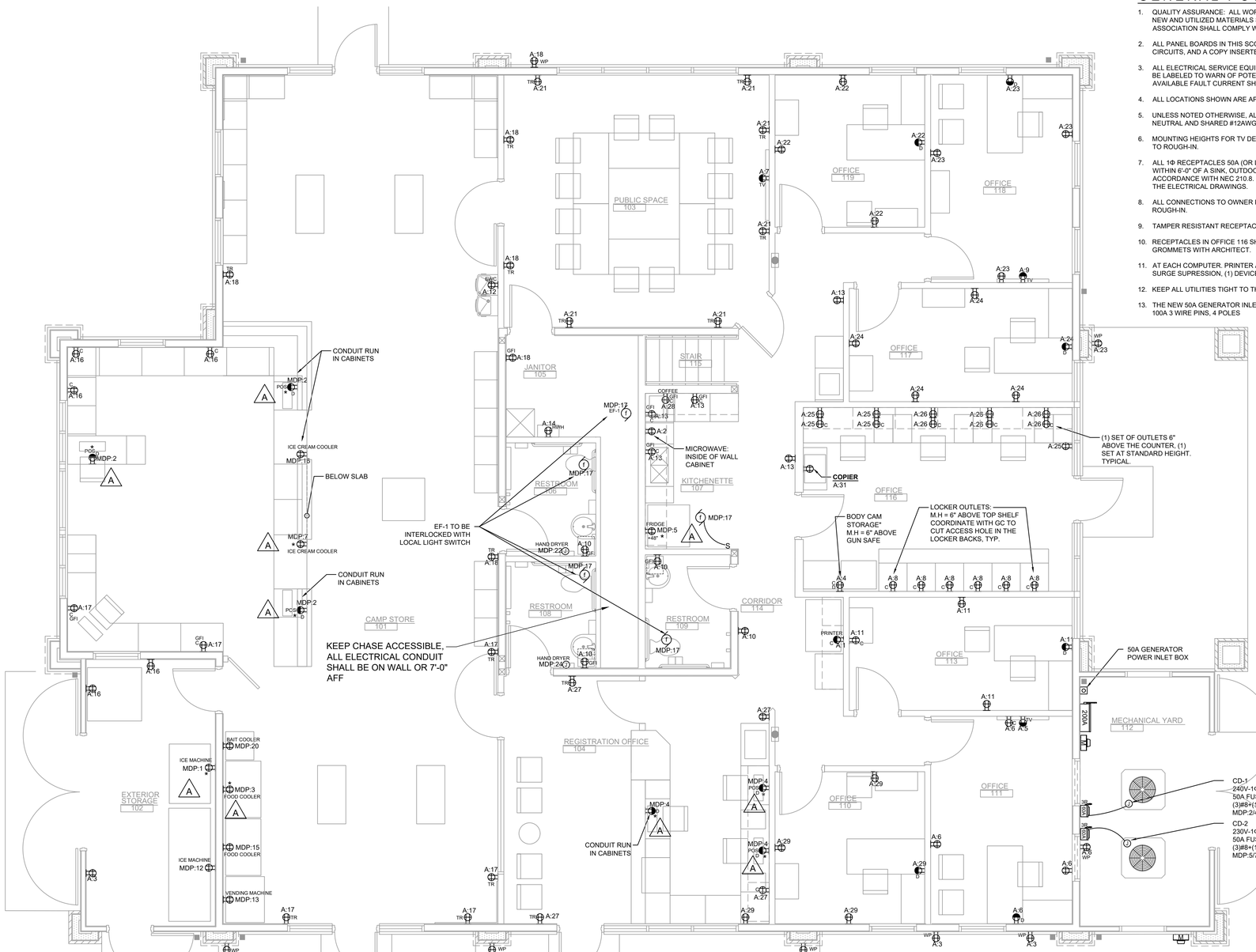
ISSUE DATE: 09/19/2025

JOB NUMBER: 241224

CONSTRUCTION DOCUMENTS

E100.1



ELECTRICAL POWER FIRST FLOOR PLAN

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

NORTH

ELECTRICAL POWER MEZZANINE PLAN

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

NORTH

GENERAL POWER NOTES

1. QUALITY ASSURANCE: ALL WORK SHALL BE IN ACCORDANCE WITH THE NFPA 70 - NATIONAL ELECTRICAL CODE 2023. ALL NEW AND UTILIZED MATERIALS SHALL BE UL - UNDERWRITER'S LABORATORY LISTED. OCCUPATIONAL HEALTH AND SAFETY ASSOCIATION SHALL COMPLY WITH ALL APPLICABLE OSHA STANDARDS.
2. ALL PANEL BOARDS IN THIS SCOPE OF WORK SHALL ALL HAVE LABELED TYPED DIRECTORIES PROVIDED, INDICATING ALL CIRCUITS, AND A COPY INSERTED INSIDE THE PANEL DOOR.
3. ALL ELECTRICAL SERVICE EQUIPMENT, PANELBOARDS, AND ANY ADDITIONAL EQUIPMENT DETERMINED BY THE AHJ, SHALL BE LABELED TO WARN OF POTENTIAL ELECTRICAL ARC HAZARDS, IN ACCORDANCE WITH NEC 110.16. ADDITIONALLY, THE AVAILABLE FAULT CURRENT SHALL BE INDICATED AT THE SERVICE GEAR IN ACCORDANCE WITH NEC 110.24.
4. ALL LOCATIONS SHOWN ARE APPROXIMATE.
5. UNLESS NOTED OTHERWISE, ALL CIRCUIT HOMERUNS ON THIS SHEET SHALL BE #12AWG WITH DEDICATED #12AWG NEUTRAL AND SHARED #12AWG GROUND WIRE, IN 3/4" CONDUIT.
6. MOUNTING HEIGHTS FOR TV DEVICES & ASSOCIATED DEVICES TO BE COORDINATED WITH TV MOUNTING BRACKETS PRIOR TO ROUGH-IN.
7. ALL 1Φ RECEPTACLES 50A (OR LESS) 150V TO GND (OR LESS), OR 3Φ RECEPTACLES 100A (OR LESS) 150V TO GND (OR LESS) WITHIN 6'-0" OF A SINK, OUTDOORS, IN A KITCHEN, BATHROOM, OR ON A ROOFTOP SHALL BE GFIC PROTECTED - TYPICAL, IN ACCORDANCE WITH NEC 210.8. PROTECTION MAY BE INTEGRAL TO THE DEVICE OR AT THE PANELBOARD, AS INDICATED BY THE ELECTRICAL DRAWINGS.
8. ALL CONNECTIONS TO OWNER PROVIDED EQUIPMENT SHALL BE FIELD VERIFIED FOR ACTUAL LOCATION AND SIZE PRIOR TO ROUGH-IN.
9. TAMPER RESISTANT RECEPTACLES SHALL BE PROVIDED IN ALL AREAS LISTED IN NEC ARTICLE 406.12.
10. RECEPTACLES IN OFFICE 116 SHALL BE LOCATED BELOW AND ABOVE COUNTER. COORDINATE FINAL LOCATION OF GROMMETS WITH ARCHITECT.
11. AT EACH COMPUTER. PRINTER AND POS LOCATION WHERE THERE IS A DOUBLE DUPLEX SHOWN, (1) DEVICE SHALL BE SURGE SUPRESSION, (1) DEVICE NORMAL OPERATION
12. KEEP ALL UTILITIES TIGHT TO THE WALL IN THE PLUMBING CHASE OF JANITOR ROOM 105.
13. THE NEW 50A GENERATOR INLET BOX SHALL MATCH THE EXISTING CONNECTION. CROUSE HINDS ARKTITE SERIES PLUG, 100A 3 WIRE PINS, 4 POLES

KEYED NOTES

A — CIRCUITS CONNECTED TO THE GENERATOR PANEL

ELECTRICAL LEGENDS

- DUPLEX SURGE SUPPRESSION OUTLET - 20A - 125V - 3 WIRE GROUND - -FLUSH MTD. MH = 16" OR "C" DENOTES 6" ABOVE COUNTER, UNLESS OTHERWISE NOTED. COLOR OF DEVICES TO BE DETERMINED BY OWNER. "D" DENOTES DUAL DUPLEX.
  - HUBBELL HBL5362xSA
  - P & S 5362xSP
- NEW DUPLEX CONV. OUTLET 20A - 125V 3 WIRE GROUND TYPE. MH = 16" OR "C" DENOTES 6" ABOVE COUNTER, UNLESS OTHERWISE NOTED. COLOR OF DEVICES TO BE DETERMINED BY OWNER. AVOID CONFLICTS WITH CASEWORK. "D" DENOTES DUAL DUPLEX.
  - HUBBELL 5362x
  - P & S 5362x
  - COOPER 5362x
  - LEVITON 5362-x
- GFI DUPLEX GFI OUTLET - 20A - 125V - 3 WIRE GROUND INTERRUPTER TYPE - FLUSH MTD. MH = 16" OR "C" DENOTES 6" ABOVE COUNTER, UNLESS OTHERWISE NOTED.
  - HUBBELL GF20xLU
  - P & S 2095x
  - COOPER VGF20x
- WP DUPLEX GFI, WEATHER-RESISTANT OUTLET - 20A - 125V - 3 WIRE GROUND FAULT INTERRUPTER TYPE - FLUSH VERTICAL MOUNTED IN WEATHER-RESISTANT IN-USE COVER. MH = 16" OR "C" DENOTES 6" ABOVE COUNTER, UNLESS OTHERWISE NOTED.
  - COOPER WRVGF20x/ WIU-1
  - LEVITON W7899-x/IUM1V-0GY
- EWC SAME AS DUPLEX OUTLET, BUT FOR ELECTRIC WATER COOLER. VERIFY SPECIAL MOUNTING HEIGHT WITH PLUMBING CONTRACTOR. OUTLET TO BE SERVED VIA GFCI BREAKER.
- TV SAME AS DOUBLE DUPLEX OUTLET BUT FOR T.V. COORDINATE MOUNTING HEIGHT WITH BRACKET LOCATION.
- TR DUPLEX TAMPER-RESISTANT OUTLET - 20A - 125V - 3 WIRE GROUND TYPE - FLUSH MTD. MH = 16" OR "C" DENOTES 6" ABOVE COUNTER, UNLESS OTHERWISE NOTED.
  - HUBBELL BR20xTR
  - P & S TR20x
  - COOPER TRBR20x
- TC WALL MOUNTED MECHANICAL TIME CLOCK - 120/277V. 7 DAY SPDT WITHIN NEMA1 ENCLOSURE.
  - INTERMATIC ET1705C
- SPD SURGE SUPPRESSOR - MOUNT WITHIN 2' -0" OF MAIN DISTRIBUTION PANEL. SEE SPECS.
- FRACTIONAL HORSEPOWER MOTOR BY M.C.
- SAFETY SWITCH - SIZE AS NOTED ("3R" RAIN TIGHT, "NF" NON-FUSED, "4X" STAINLESS STEEL)
- SURFACE MOUNTED POWER PANEL - 120/240V-1ϕ-3W.
- ELECTRIC METER BY UTILITY COMPANY
- GENERATOR TRANSFER SWITCH
- GENERATOR POWER INLET BOX
- CONDUIT CAP
- JUNCTION BOX.

STATE OF OHIO — KENT D. BUEHRER — 54249 — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE DATE 00/00/00

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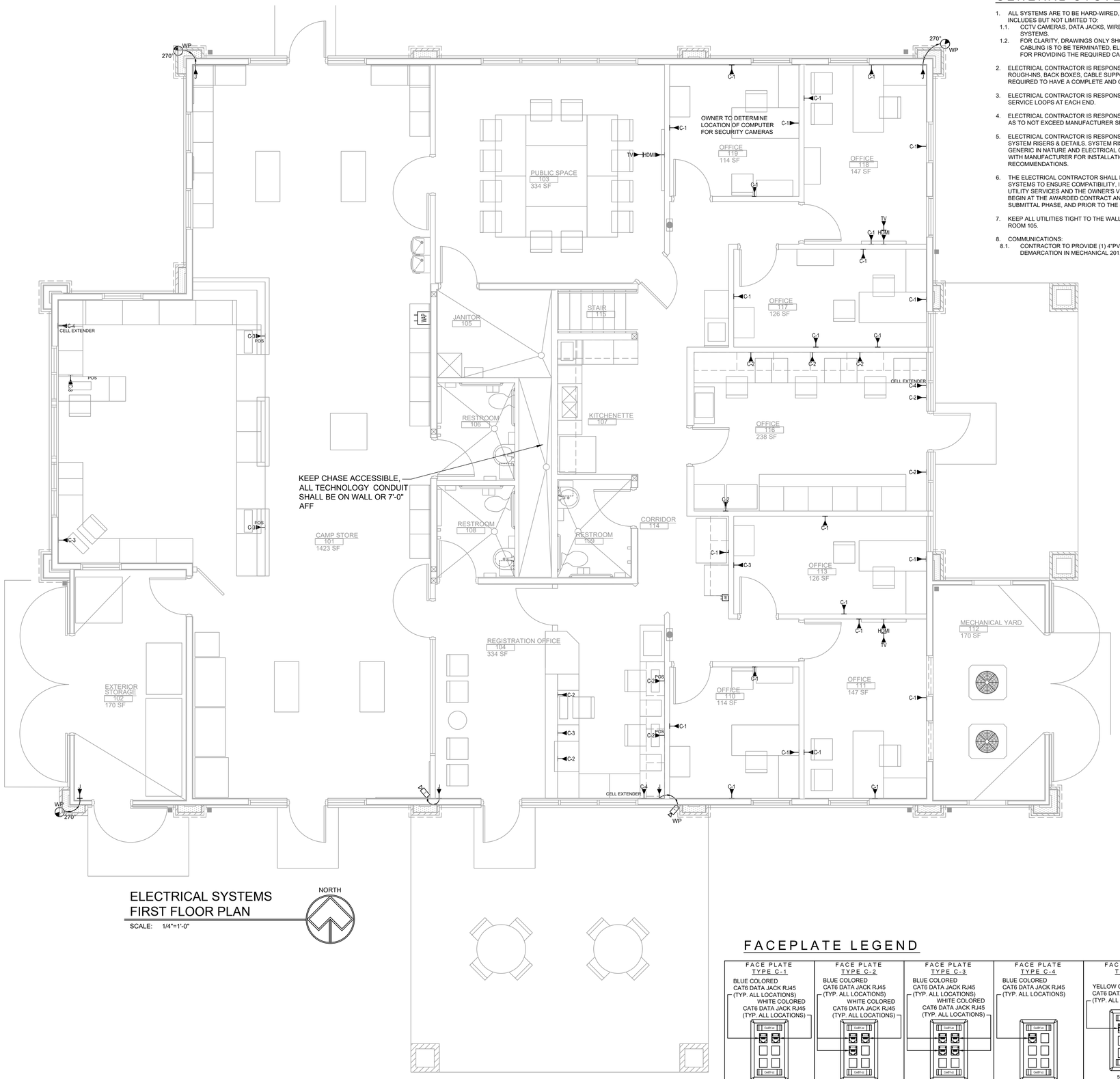
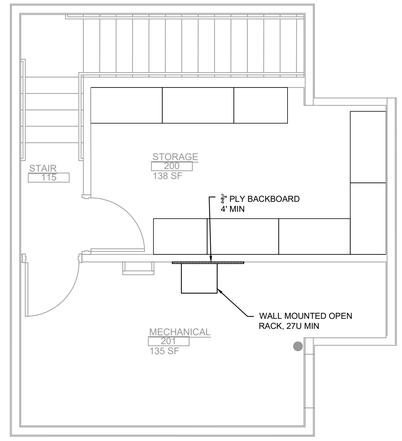


ELECTRICAL SYSTEMS
FIRST FLOOR PLAN

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

NORTH



ELECTRICAL SYSTEMS
MEZZANINE PLAN

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

NORTH

GENERAL SYSTEM NOTES:

1. ALL SYSTEMS ARE TO BE HARD-WIRED, UNLESS OTHERWISE NOTED, THIS INCLUDES BUT NOT LIMITED TO:
   - 1.1. CCTV CAMERAS, DATA JACKS, WIRELESS ACCESS POINTS, AND SECURITY SYSTEMS.
   - 1.2. FOR CLARITY, DRAWINGS ONLY SHOW FINAL LOCATIONS OF DEVICES WHERE CABLING IS TO BE TERMINATED, ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE REQUIRED CABLING FROM DEVICE TO DEVICE.
2. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED CABLING, ROUGH-INS, BACK BOXES, CABLE SUPPORTS, COUPLERS, & TERMINATIONS AS REQUIRED TO HAVE A COMPLETE AND OPERABLE INSTALLATION.
3. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR LABELING & PROVIDING SERVICE LOOPS AT EACH END.
4. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL CABLE LENGTHS AS TO NOT EXCEED MANUFACTURER SPECIFICATIONS.
5. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL DRAWINGS FOR SYSTEM RISERS & DETAILS. SYSTEM RISERS & DETAILS SHOWN ON PLANS ARE GENERIC IN NATURE AND ELECTRICAL CONTRACTOR IS RESPONSIBLE TO VERIFY WITH MANUFACTURER FOR INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS.
6. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL SYSTEMS TO ENSURE COMPATIBILITY, INCLUDING INTEGRATION WITH LOCAL UTILITY SERVICES AND THE OWNER'S VENDORS. THIS COORDINATION MUST BEGIN AT THE AWARDED CONTRACT AND BE COMPLETED PRIOR TO THE SUBMITTAL PHASE, AND PRIOR TO THE START OF ROUGH-IN WORK.
7. KEEP ALL UTILITIES TIGHT TO THE WALL IN THE PLUMBING CHASE OF JANITOR ROOM 105.
8. COMMUNICATIONS:
   - 8.1. CONTRACTOR TO PROVIDE (1) 4"PVC FROM IN-GROUND FIBER BOX TO DEMARCATION IN MECHANICAL 201.
   - 8.2. OWNER TO SUPPLY AND INSTALL THE NETWORK SWITCH.
   - 8.3. CONTRACTOR SHALL PROVIDE AND INSTALL THE FOLLOWING: WALL MOUNTED, OPEN HALF RACK, PATCH PANELS, CABLE MANAGEMENT, FIBER CONNECTION TO MAINTENANCE BLDG 1, AND UPS.
   - 8.4. WIRELESS ACCESS POINTS WITH BE PROVIDED AND INSTALLED BY OWNER, CONTRACTOR TO PROVIDE CAT6 CABLING AND KEYSTONES IN FACEPLATES.
   - 8.5. COLOR OF CABLE & KEYSTONES TO BE SELECTED BY ARCHITECT/ OWNER.
   - 8.6. CONTRACTOR IS RESPONSIBLE FOR TESTING ALL CONTINUITY OF COMMUNICATION JACKS.
   - 8.7. CONTRACTOR TO PROVIDE CABLE TRAY ABOVE RACK AND OUT OF THE TECH ROOM TO MAIN CABLING ROUTES.
   - 8.8. CELL EXTENDERS TO BE PROVIDED AND INSTALLED BY OWNER.
   - 8.9. CONTRACTOR TO PROVIDE PATHWAY AND TRUNK TO THE EXISTING MAINTENANCE 1 BUILDING. FIBER SHALL BE 6 STRAND, SINGLE MODE IN 3"C. ROUTE FROM DATA RACK IN MEZZANINE, UNDERGROUND TO EXISTING POLE, THEN RUN AERIALLY TO THE EXISTING MAINTENANCE 1 BUILDING.
   - 8.10. COMMUNICATIONS REPEATER, WITHIN LINE OF SIGHT OF EXISTING REPEATER POLE.
     - 8.10.1. PROVIDE (1) 1 ¼" C WITH SIX STRAND SINGLE MODE FIBER, BETWEEN TECH RACK AND APEX OF FRONT FACADE.
     - 8.10.2. PROVIDE A DEDICATED RECEPTACLE FOR COMMUNICATIONS EQUIPMENT. MDP:25
     - 8.10.3. COORDINATE EXACT LOCATION WITH OWNERS VENDOR PRIOR TO ROUGH-IN
9. VOICE OVER IP
   - 9.1. ALL HARDWARE TO BE RELOCATED BY OWNER FROM EXISTING BUILDING TO NEW OFFICE, INCLUDING BUT NOT LIMITED TO, CISCO SWTICH/ROUTER AND ALL PHONES.
   - 9.2. PROGRAMMING AND INSTALLATION OF VOIP SYSTEM TO BE BY OWNER.
   - 9.3. CONTRACTOR TO INSTALL CAT6 CABLING & TERMINATIONS.
   - 9.4. CABLE & KEY STONE COLOR TO BE SELECTED BY ARCHITECT/ OWNER.
10. SECURITY CAMERA SYSTEM:
    - 10.1. CONTRACTOR TO PROVIDE AND INSTALL A STAND ALONE NVR SYSTEM THAT ALLOWS VIDEO RECORDING, POE CAMERAS, COMMERCIAL GRADE, NO SUBSCRIPTIONS ALLOWED.
    - 10.2. CAMERA LOCATIONS SHOWN ON FLOOR PLANS, BUT VERIFY EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN
    - 10.3. CABLE COLOR TO BE SELECTED BY ARCHITECT/ OWNER.
    - 10.4. CONTRACTOR TO PROVIDE ALL HARDWARE AND COMPONENTS FOR A COMPLETE AND OPERABLE INSTALLATIONS.

COMMUNICATIONS LEGEND

SEE SPECIFICATIONS FOR ALL DEVICES ON THIS LEGEND.

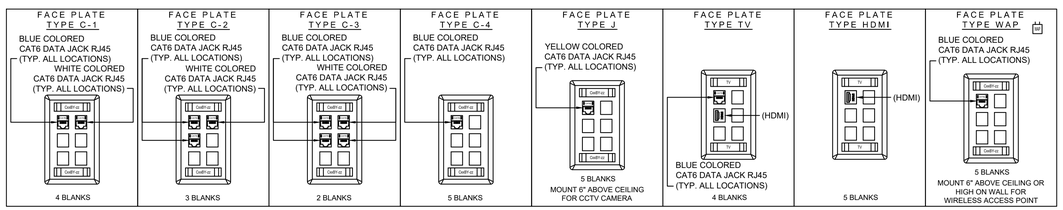
- COMBINATION VOICE/DATA JACK. MH=16" UNLESS NOTED OTHERWISE. 1-¼" CONDUIT STUB INTO CEILING SPACE.
- SINGLE DATA DROP FOR WIRELESS ACCESS 6" ABOVE CEILING GRID OR HIGH ON WALL. TERMINATE IN SURFACE MOUNTED BOX AS A J DROP.
- WALL MOUNTED OPEN DATA RACK
- ¾" AC GRADE PLYWOOD TECH BOARD

SECURITY SYSTEMS LEGEND

SEE SPECIFICATIONS FOR ALL DEVICES ON THIS LEGEND.

- SECURITY CAMERA MOUNTED IN CEILING OR ON WALL. COORDINATE HEIGHT WITH ARCHITECT. "WP" DENOTES WEATHER PROOF. "R" DENOTES RECESSED.
- NEW WEATHER-PROOF CCTV CAMERA FOR SECURITY SYSTEM.
- NEW WEATHER-PROOF CCTV CAMERA FOR SECURITY SYSTEM.

FACEPLATE LEGEND



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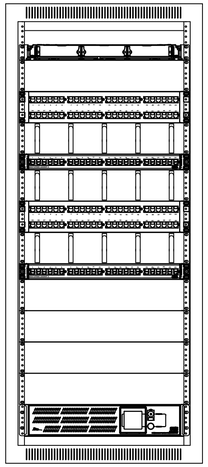


1RU FIBER CONNECTION TO MAINTENANCE BLDG 1, PROVIDED AND INSTALLED BY CONTRACTOR

2RU SPACE FOR NETWORK SWITCH, PROVIDED AND INSTALLED BY OWNER

2RU 48P CAT6 PATCH PANEL - DATA, CCTV PROVIDED AND INSTALLED BY CONTRACTOR

2RU HORIZONTAL CABLE MANAGEMENT PROVIDED AND INSTALLED BY CONTRACTOR

1RU 24P CAT6 PATCH PANEL - DATA, CCTV PROVIDED AND INSTALLED BY CONTRACTOR

2RU HORIZONTAL CABLE MANAGEMENT PROVIDED AND INSTALLED BY CONTRACTOR

2RU 48P CAT6 PATCH PANEL - VOIP PROVIDED AND INSTALLED BY CONTRACTOR

2RU HORIZONTAL CABLE MANAGEMENT PROVIDED AND INSTALLED BY CONTRACTOR

1RU 24P CAT6 PATCH PANEL - WAP PROVIDED AND INSTALLED BY CONTRACTOR

2RU SPACE FOR CCTV SYSTEM

2RU SPACE FOR ADDITIONAL OWNER EQUIPMENT

2RU SPACE FOR ADDITIONAL OWNER EQUIPMENT

2RU SPACE FOR ADDITIONAL OWNER EQUIPMENT

2RU UPS
PROVIDED AND INSTALLED BY CONTRACTOR

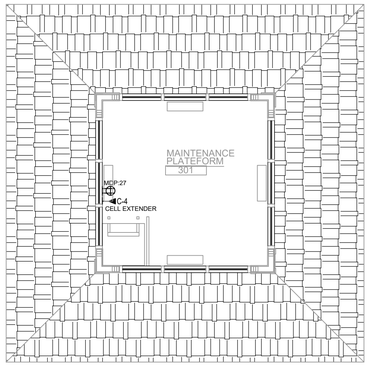
WALL MOUNTED 27U RACK
PROVIDED AND INSTALLED BY CONTRACTOR

RACK DETAIL

THE FINAL ARRANGEMENT OF THE TECH RACK IS SUBJECT TO CHANGE BASED ON SUBMITTED EQUIPMENT SPECIFICATIONS AND OWNER-PROVIDED DEVICES. COORDINATE WITH THE OWNER'S IT TEAM PRIOR TO INSTALLATION TO ENSURE ALIGNMENT WITH CURRENT REQUIREMENTS.

ROOM NUMBER	C-1	C -2	C-3	C-4	J	TV	HDMI	WAP	
OFFICE 119	4								
OFFICE 118	4				1	1	1		
OFFICE 117	5								
OFFICE 116		6		1					
OFFICE 113	3		1						
OFFICE 111	4					1	1		
OFFICE 110	4								
CORRIDOR 114	1	4	1		1			1	
REGISTRATION OFFICE 104				1	1				
CAMP STORE 101			4	1	1			1	
EXTERIOR STORAGE 102					1				
PUBLIC SPACE 103						1	1		
CUPOLA				1					
									TOTAL
TOTAL FACEPLATES	25	10	6	4	5	3	3	2	58
T.DATA JACKS	25	20	12	4	5	3	0	2	71
T.VOICE JACKS	25	10	12	0	0	0	0	0	47
HDMI JACKS	0	0	0	0	0	3	3	0	6
TOTAL NUMBER OF JACKS									124

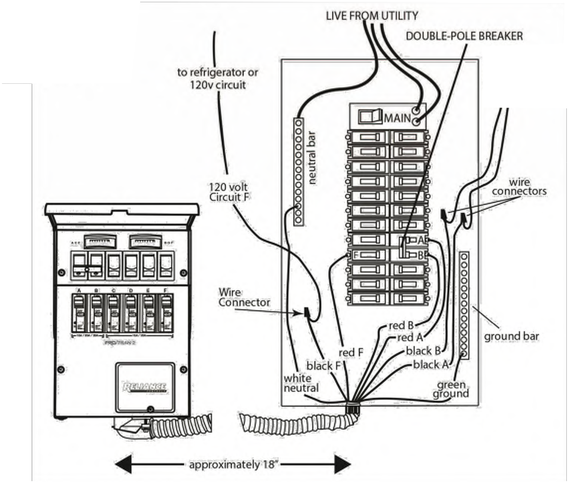
THE QUANTITIES INDICATED ARE APPROXIMATE AND PROVIDED SOLELY FOR GENERAL REFERENCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY AND FURNISH THE ACCURATE QUANTITIES AND APPROPRIATE TYPES OF CONNECTIONS REQUIRED FOR THE SCOPE OF WORK.



ELECTRICAL SYSTEMS CUPOLA PLAN

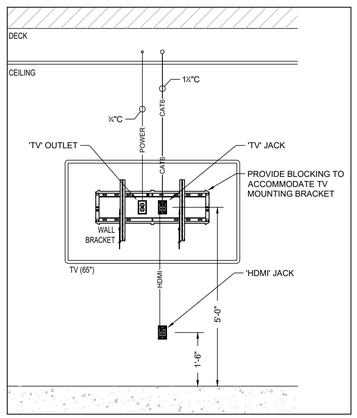
SCALE: 1/4"=1'-0"

NORTH



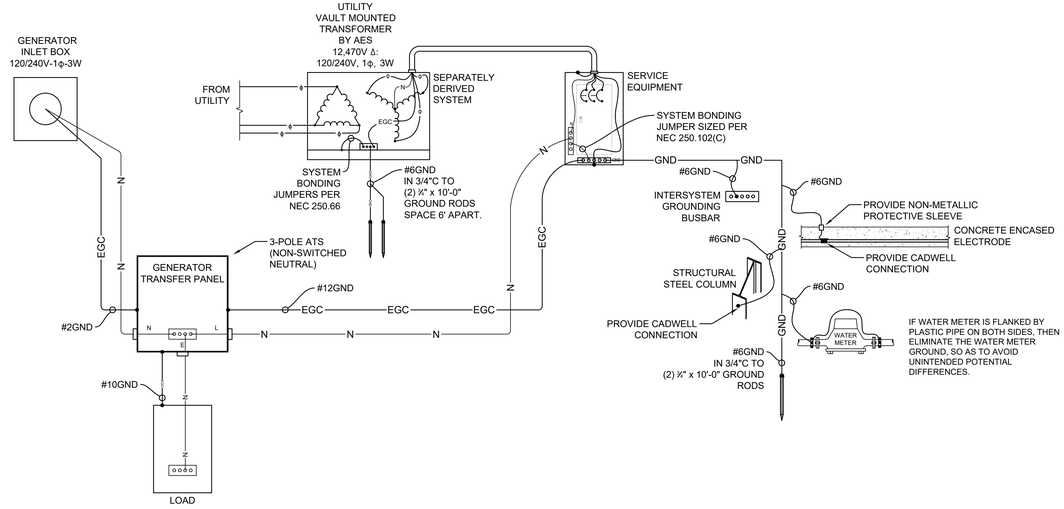
GENERATOR PANEL WIRING

GENERATOR PANEL WIRING DIAGRAM IS GENERAL IN NATURE. REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS.



TV GENERAL MOUNTING HEIGHT DETAIL

TV DETAIL IS GENERAL IN NATURE.COORDINATE EXACT MOUNTING HEIGHTS WITH THE ARCHITECT AND OWNER PRIOR TO ROUGH-IN.



GENERATOR GROUNDING DETAIL

GROUNDING NOTES:

1. CONNECT THE SERVICE NEUTRAL CONDUCTOR ACCORDING TO NEC 250.24(A)(1), AND AS IDENTIFIED IN NEC 250.26.
2. IF AN OUTDOOR TRANSFORMER IS SUPPLYING SERVICE TO THE BUILDING, AT LEAST ONE ADDITIONAL GROUNDING CONNECTION SHALL BE MADE FROM THE GROUNDED SERVICE CONDUCTOR TO A GROUNDING ELECTRODE PER NEC 250.24(A)(2).
3. THE MAIN BONDING JUMPER AS WELL AS THE SYSTEM BONDING JUMPER AS IDENTIFIED BY 205.28 SHALL BE SIZED PER 250.102(C)(1).
4. WHEN GROUNDING A SEPARATELY DERIVED SYSTEM FOR A GROUNDED SYSTEM, ALL GROUNDING SHALL BE INSTALLED IN ACCORDANCE WITH 250.30(A).
5. PER NEC 250.52, ELECTRODES PERMITTED FOR GROUNDING INCLUDE: METAL UNDERGROUND WATER PIPE, THE METAL FRAME OF THE BUILDING OR STRUCTURE, AND CONCRETE ENCASED ELECTRODES.
   5.1. WHEN USING THE METAL UNDERGROUND WATER PIPE AS THE GROUNDING ELECTRODE, THE BONDING SHALL BE MADE WITHIN THE FIRST 5 FEET OF ENTERING THE BUILDING.
6. IF A SINGLE GROUND ROD IS BEING USED AS A SUPPLEMENTAL ELECTRODE TO A METAL UNDERGROUND WATER PIPE PER 250.53(D)(2) AND HAS A RESISTANCE OF LESS THAN 25Ω, THEN A SUPPLEMENTAL GROUND ROD IS REQUIRED AND BE SPACED AT 6' APART PER NEC 250.53(A) EXCEPTION AND 250.53(B).
7. THE BONDING JUMPER USED TO CONNECT THE GROUNDING ELECTRODES TOGETHER SHALL BE SIZED PER TABLE 250.66.
   7.1. THE BONDING JUMPER WHERE CONNECTED TO THE SUPPLEMENTAL GROUND ROD IS NOT REQUIRED TO BE LARGER THAN #6 AWG CU OR #4 AWG AL.
8. GROUNDING ELECTRODE CONDUCTOR(S) AND BONDING JUMPERS INTERCONNECTING GROUNDING ELECTRODES SHALL BE INSTALLED IN ACCORDANCE WITH 250.64(F)(1),(2), OR (3).
   8.1. THE GROUNDING ELECTRODE CONDUCTOR SHALL BE PERMITTED TO BE RUN TO ONE OR MORE GROUNDING ELECTRODE(S) INDIVIDUALLY.
   8.2. BONDING JUMPER(S) FROM GROUNDING ELECTRODE(S) SHALL BE PERMITTED TO BE CONNECTED TO AN ALUMINUM OR COPPER BUS BAR NOT LESS THAN 1" x 2" AND FASTENED SECURELY TO AN ACCESSIBLE LOCATION.

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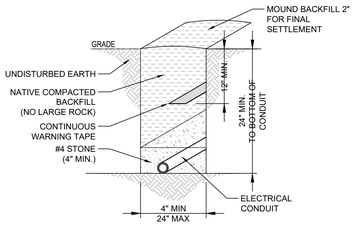
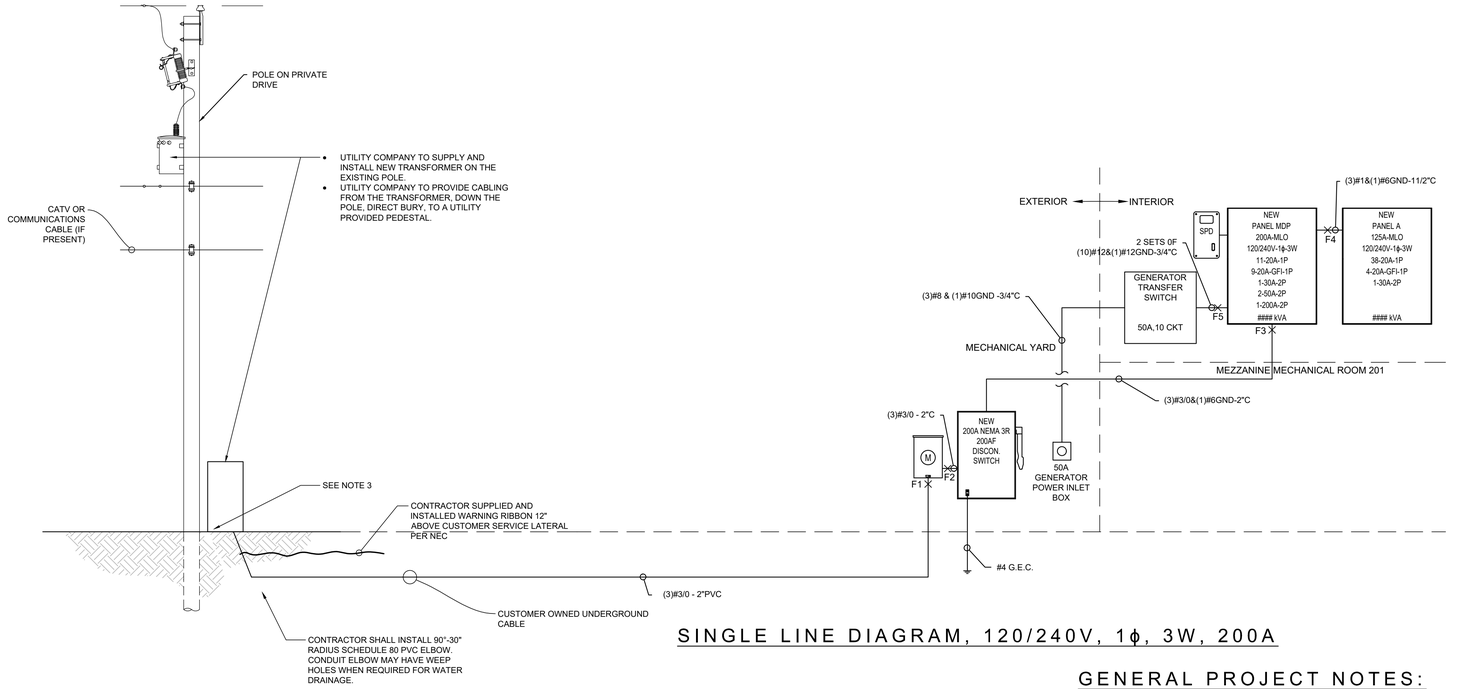


UNDERGROUND TRENCHING DETAIL



SINGLE LINE DIAGRAM, 120/240V, 1ϕ, 3W, 200A

FAULT	Fx	EQUIPMENT
F0	20833	UTILITY CO
F1	8155	METER
F2	8066	DISCONNECT SWITCH
F3	6617	PANEL MDP
F4	6531	PANEL A
F5	5670	TRANSFER SWITCH

INITIAL FAULT VALUE IS ASSUMED FROM INFINITE IMPENDENCE VALUE OF THE 50KVA UTILITY TRANSFORMER. CONTRACTOR TO COORDINATE EXACT VALUE WITH UTILITY COMPANY.

NOTES FROM UTILITY GUIDELINES:

1. FOR CUSTOMER / COMPANY RESPONSIBILITIES, REFER TO AES HANDBOOK.
2. CAUTION: ONLY QUALIFIED PERSONNEL ARE PERMITTED TO INSTALL ELECTRICAL EQUIPMENT IN THE VICINITY OF ENERGIZED ELECTRICAL LINES AS DESCRIBED IN OSHA 1910 SUBPART R & S.
3. COMPANY SHALL DETERMINE THE LOCATION / POSITION OF VERTICAL RISERS ON THE POLE BASED ON TRAFFIC FLOW AND LOCATION OF CATV, OR TELEPHONE CO. ATTACHMENTS.
4. ALL SERVICE INSTALLATIONS SHALL MEET NEC, STATE, AND LOCAL CODES AND REGULATIONS.
5. CUSTOMER SHALL CONTACT THE COMPANY BEFORE INSTALLING ANY FACILITIES ON THE COMPANY-OWNED POLE. CUSTOMER SHALL SUPPLY ALL OF THE REQUIRED ELECTRICAL-GRADE CONDUIT, BRACKETS / CLAMPS, WEATHERHEAD, AND CABLE. THE CUSTOMER SHALL BE RESPONSIBLE FOR INSTALLING THE FIRST TEN (10) FEET OF SCHEDULE 80 PVC OR RIGID METALLIC CONDUIT ON THE POLE. CUSTOMER SHALL SUPPLY A CONTINUOUS LENGTH OF CABLE TO REACH THE OVERHEAD POWER SOURCE PLUS AN ADDITIONAL FIVE (5) FEET REQUIRED FOR DROP LOOP AND TERMINATION. THE CABLE SHALL BE COILED UP AND TEMPORARILY ATTACHED ON THE POLE TEN (10) FEET ABOVE GROUND. CUSTOMER SHALL COORDINATE THE INSTALLATION WITH THE COMPANY.
6. CONDUIT SIZE IS LIMITED TO 3" OR 4" DIA. CONDUIT.

GENERAL PROJECT NOTES:

1. ALL CONDUIT SHALL BE INSTALLED WITHIN WALLS. ANY CONDUIT THAT MUST REMAIN EXPOSED REQUIRES PRIOR EXPLICIT APPROVAL.
2. IF THERE'S A CONFLICT BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, THE CONTRACTOR SHALL BASE THEIR BID ON THE MORE DEMANDING OR COSTLY INTERPRETATION.

PANEL MDP

MAINS:	200A	MLO	**V:**	120/240V		1	**PH.**	3	**WIRE**					
MOUNTING:	SURFACE		**LOCATION:**		MECHANICAL ROOM 201				**FED FROM:**		MAIN DISCONNECT			
	LOAD				AMPS	CKT	CKT	AMPS				LOAD		
DESCRIPTION	**TYPE**	**A**		**B**	**POLE**	**#**	**#**	**POLE**	**A**		**B**	**TYPE**	**DESCRIPTION**	
ICE MACHINE	K	1500			20G	**1**	**2**	20	1200			R	POS	★
FOOD COOLER	K			1000	20G	**3**	**4**	20			1200	R	POS	★
FRIDGE	K	1500			20G	**5**	**6**	20	855			L	LIGHTS	★
ICE CREAM COOLER	K			1000	20G	**7**	**8**	20			400	R	TECHBOARD	★
F-1 & EF-2	HVAC	1391			20	**9**	**10**	20	1391			HVAC	F-2	★
SPARE					20	**11**	**12**	20G			1500	K	ICE MACHINE	
VENDING MACHINE	K	1500			20G	**13**	**14**	20G	1500			K	FRIDGE	
FOOD COOLER	K			1000	20G	**15**	**16**	20G			500	K	ICE CREAM COOLER	
LIGHTS	L	1070			20	**17**	**18**	20					SPARE	
LIGHTS	L			675	20	**19**	**20**	20G			500	K	BAIT COOLER	
SPARE					20	**21**	**22**	20G	1800			R	HAND DRYER	
SPARE					20	**23**	**24**	20G			1800	R	HAND DRYER	
REPEATER	R	200			20	**25**	**26**	20	200			R	TIMECLOCK	
CUPOLA	R			200	20	**27**	**28**	20			195	L	EXT LTG	
PANEL A		13400			125	**29**	**30**	20					SPARE	
				10700		**31**	**32**	20					SPARE	
CD-2	HVAC	2504			50	**33**	**34**	20					SPARE	
				2504		**35**	**36**	20					SPARE	
SPD		0			30	**37**	**38**	50	2504			HVAC	CD-1	
				0		**39**	**40**				2504			
SPACE						**41**	**42**						SPACE	
SUBTOTAL #1		23065		17079					9450		8599		**SUBTOTAL #2**	
SUBTOTAL #1 + #2		**32515**		**25678**										
TOTAL PANEL LOAD:	58.2	KVA		242.5	**AMPS**					**DEMANDED:**		192	A MINIMUM FEEDER	

	Total Connected Load		Demand %		Demand Load		
RECEPTACLES	10.0		100%		10.0		
RECEPTACLES	19.8		50%		9.9		
LIGHTING	2.8		100%		2.8		
KITCHEN	11.5		65%		7.5		
WATER & ELEC HEAT	0.0		100%		0.0		
HVAC	12.7		100%		12.7		
LARGEST MTR	0.0		125%		0.0		
OTHER MOTORS	0.0		100%		0.0		
	56.8	kw			42.87	kw	
	236.6	Amps @ 240V			178.63	Amps @ 240V	
Continuous	12.8	x	125%		15.99	kw	
Non-continuous	30.1	x	100%		30.08	kw	
					46.07	kw	
					192	Amps @ 240V	
					Minimum feeder size		

PANEL A

MAINS:	125	MLO	**V:**	120/240V		1	**PH.**	3	**WIRE**					
MOUNTING:	SURFACE		**LOCATION:**		MECHANICAL ROOM 201				**FED FROM:**		MDP			
	LOAD				AMPS	CKT	CKT	AMPS				LOAD		
DESCRIPTION	**TYPE**	**A**		**B**	**POLE**	**#**	**#**	**POLE**	**A**		**B**	**TYPE**	**DESCRIPTION**	
PRINTER	R	500			20	**1**	**2**	20G	1500			R	MICROWAVE	
RECEPTACLES	R			1200	20	**3**	**4**	20			400	R	BODY CAM STORAGE	
TV	R	300			20	**5**	**6**	20	1200			R	RECEPTACLES	
TV	R			300	20	**7**	**8**	20			1200	R	RECEPTACLES	
TV	R	300			20	**9**	**10**	20	800			R	RECEPTACLES	
RECEPTACLES	R			1000	20	**11**	**12**	20G			500	R	EWC	
RECEPTACLES	R	1000			20G	**13**	**14**	20G	500			R	HWH	
SPARE					20	**15**	**16**	20			1000	R	RECEPTACLES	
RECEPTACLES	R	1200			20	**17**	**18**	20	1200			R	RECEPTACLES	
SPARE					20	**19**	**20**	20			600	R	RECEPTACLES	
RECEPTACLES	R	1200			20	**21**	**22**	20	1000			R	RECEPTACLES	
RECEPTACLES	R			1200	20	**23**	**24**	20			1200	R	RECEPTACLES	
RECEPTACLES	R	800			20	**25**	**26**	20	1200			R	RECEPTACLES	
RECEPTACLES	R			800	20	**27**	**28**	20			1000	R	COFFEE	
RECEPTACLES	R	1200			20	**29**	**30**	20					SPARE	
COPIER	R			1500	20	**31**	**32**	20					SPARE	
SPARE					20	**33**	**34**	20					SPARE	
SPARE					20	**35**	**36**	20					SPARE	
SPARE					20	**37**	**38**	20					SPARE	
SPARE					20	**39**	**40**	20					SPARE	
SPARE					20	**41**	**42**	20					SPARE	
SUBTOTAL #1		6000		4800					7400		5900		**SUBTOTAL #2**	
SUBTOTAL #1 + #2		**13400**		**10700**										
TOTAL PANEL LOAD:	24.1	KVA		100.4	**AMPS**					**DEMANDED:**		82.71	A MINIMUM FEEDER	

GENERATOR PANEL

MAINS:	50A	MANUAL TRANSFER SWITCH												
MOUNTING:	SURFACE		**LOCATION:**		MECHANICAL ROOM 201				**FED FROM:**		MDP			
	LOAD				AMPS	CKT	CKT	AMPS				LOAD		
DESCRIPTION	**TYPE**	**A**		**B**	**POLE**	**#**	**#**	**POLE**	**A**		**B**	**TYPE**	**DESCRIPTION**	
ICE MACHINE	K	1500			20G	**1**	**2**	20	1200			R	POS	
FOOD COOLER	K			1000	20G	**3**	**4**	20			1200	R	POS	
FRIDGE	K	1500			20G	**5**	**6**	20	855			L	LIGHTS	
ICE CREAM COOLER	K			1000	20G	**7**	**8**	20			400	R	TECHBOARD	
F-1 & EF-2	HVAC	1391			20	**9**	**10**	20	1391			HVAC	F-2	
SUBTOTAL #1		4391		2000					3446		1600		**SUBTOTAL #2**	
SUBTOTAL #1 + #2		**7837**		**3600**										
TOTAL PANEL LOAD:	11.4	KVA		47.7	**AMPS**					**DEMANDED:**		47.71	A MINIMUM FEEDER	

G SPECIFIES A GFCI BREAKER REQUIRED

★ SPECIFIES CIRCUITS TO BE ROUTED THROUGH GENERATOR TRANSFER PANEL FOR EMERGENCY POWER AS SEEN ON GENERATOR PANEL.
ALL RECEPTACLES CONNECTED TO THE EMERGENCY PANEL SHALL BE THE COLOR RED.

STATE OF OHIO
KENT D. BUEHRER
54249
REGISTERED
PROFESSIONAL ENGINEER
SIGNATURE DATE 00/00/00

GLSM PARK OFFICE
FOR
OHIO DEPARTMENT OF NATURAL RESOURCES DNR-250013
AUGLAZE COUNTY, OHIO

BUEHRERGROUP
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ISSUE DATE: 09/19/2025

JOB NUMBER: 241224

CONSTRUCTION DOCUMENTS

E400.1

ALTERNATE INTERIOR LIGHT FIXTURE LEGEND

A

LED FIXTURE 1-72W-96"-LED-120V SUSPENDED DIRECT/INDIRECT 4" x 96" DIMMABLE (0-10V) LED - DIRECT 400LM/FT - INDIRECT 1200LM/FT - 3500K. "e" INDICATES BATTERY BACKUP.

AXIS	TB4LED-1200-400-80-35-BW-SO-8-W-UNV-DP-1
PEERLESS LIGHTING	PRM4ID-MSL8-80-35K-I1500LMF-500LMF -SMMW-INTG-DARK-ZT-MVOLT-SCT
FOCALPOINT	FSM4BS-BW-FL-375DN-1250UP-35K-1C-UNV-LD1-C24-WH-8'
OR APPROVED DETAIL	

G

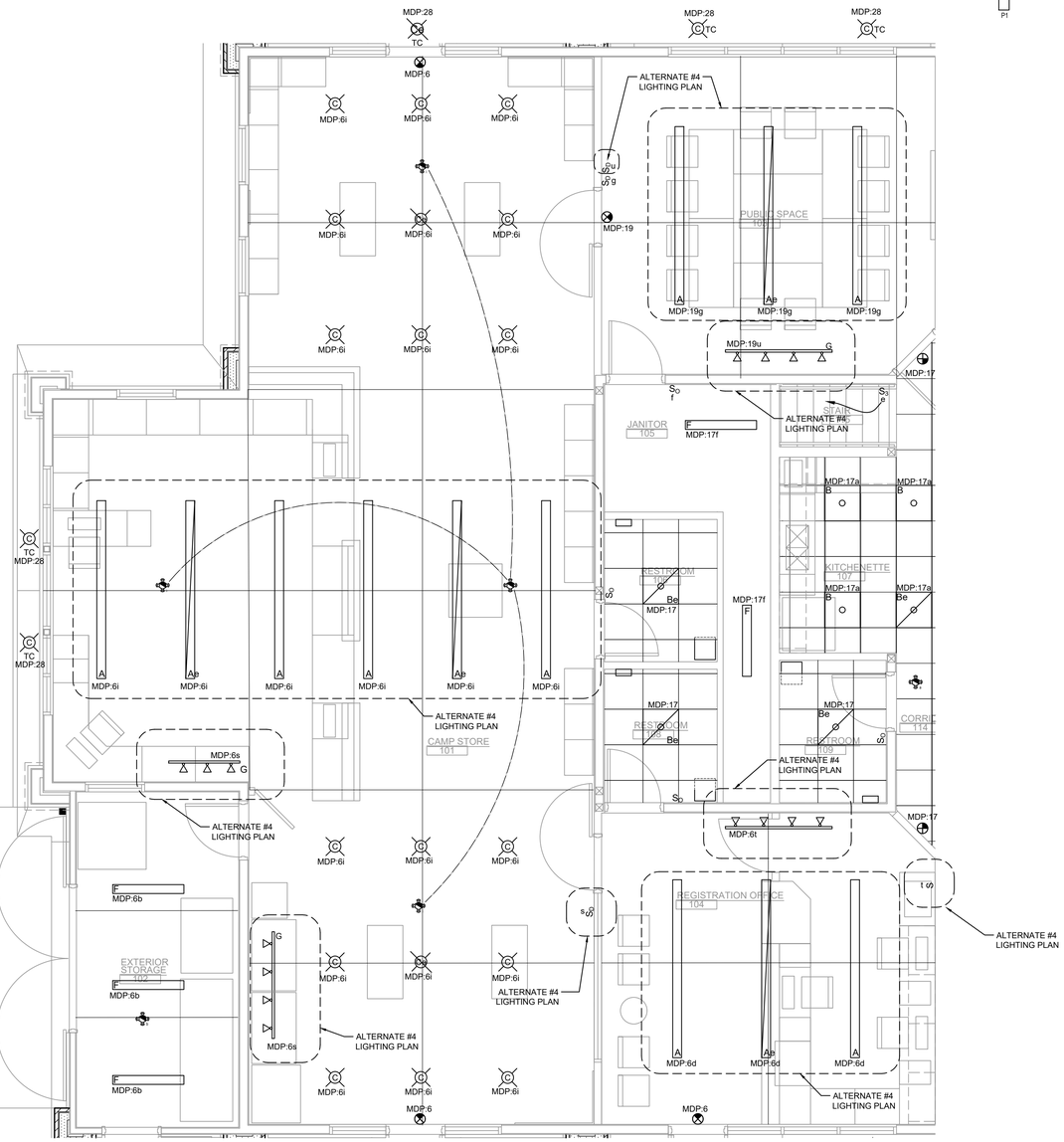
LED TRACK LIGHT FIXTURE WITH ADJUSTABLE HEADS IN X,Y & Z PLANES. DIMMABLE. 3500K. PROVIDE WITH ALL MOUNTING ACCESSORIES. 120V TO TRACK, 34W PER HEAD.

JUNO	TRACK: TRAC-MASTER; HEAD: T285L-35K-80CRI-PDIM-NFL;
DIMMING:	nLIGHT nSP5-PCD-ELV-120;
HALO L POWER	TRACK: L815MED20 NF940XX
LUCIFER	TRACK: TCS - TRACK - IX-XX; HEAD:CT2-AD-2-XX-97C14A-40
OR APPROVED EQUAL	

P1

LED BOLLARD - LED 1-13W-42"-120V - 4000K - 1100 LUMENS - 42" LED BOLLARD.

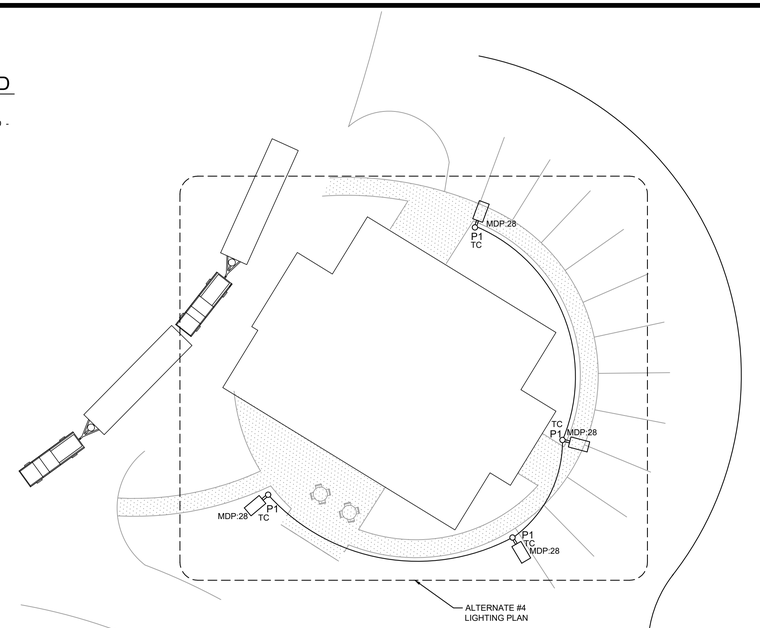
LITHONIA	RADB LED P3 40K SYM MVOLT
COOPER	ABB-B1-LED-42-D1-S-BZ
SOLAS	BQRR-016-40-U-Z
OR APPROVED EQUAL	



ALTERNATE #4
ADDITIONAL LIGHTING
FIRST FLOOR PLAN

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

NORTH

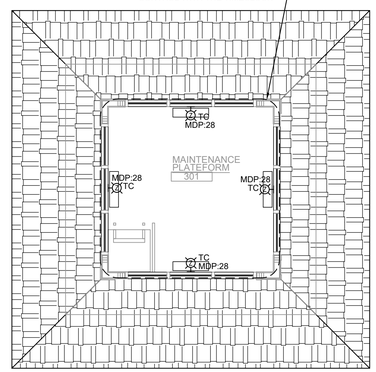


ALTERNATE #4
ELECTRICAL SITE PLAN

SCALE: 1"=20'-0"

NORTH

ALTERNATE #4
CUPOLA LIGHTING TO BE SAME AS WALL PACK, WITH A TRUNNION MOUNTING KIT, AT THE FLOOR LEVEL GRAZING THE WINDOWS. CONTROL WITH THE TIMECLOCK



ALTERNATE #4
ELECTRICAL LIGHTING
CUPOLA PLAN

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

NORTH

STATE OF OHIO
KENT D. BUEHRER
54249
REGISTERED
PROFESSIONAL ENGINEER

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