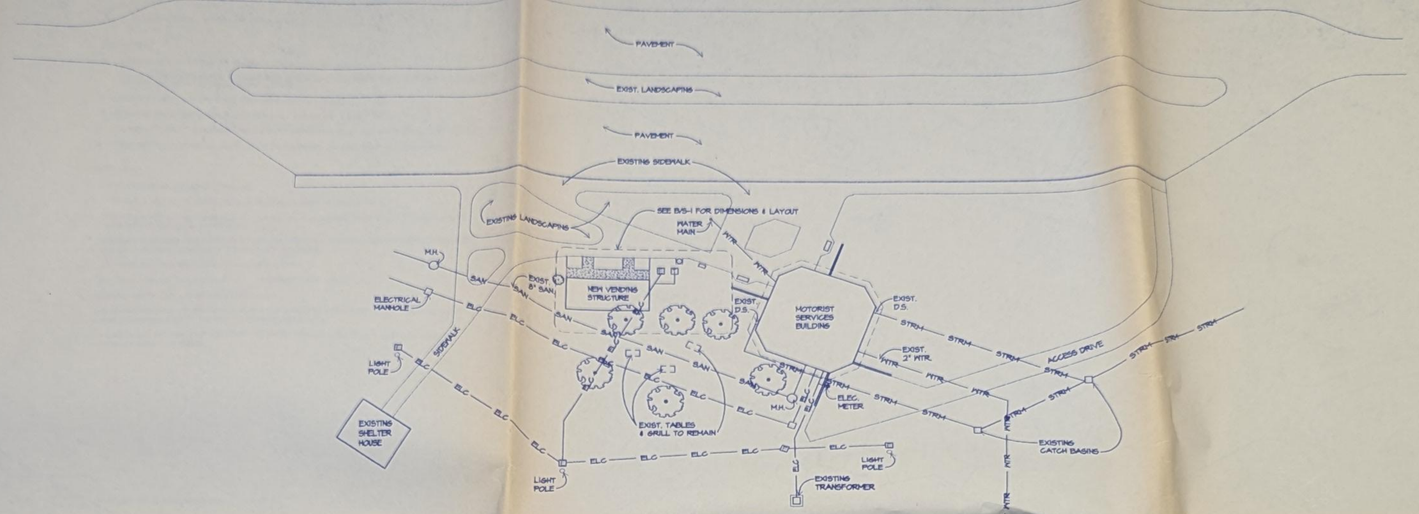


A 1-70 EASTBOUND SITE PLAN

SCALE: 1"=50'-0"

SITE PLAN NOTES

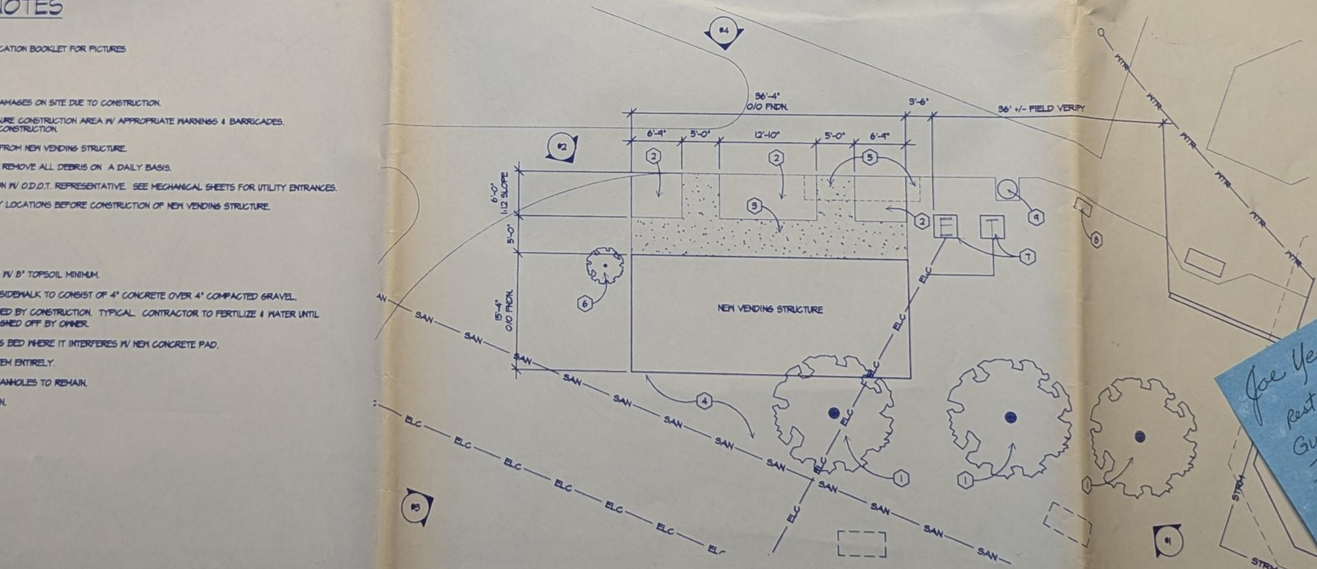
VIEW MARKER - SEE SPECIFICATION BOOKLET FOR PICTURES

GENERAL

1. CONTRACTOR TO REPAIR ALL DAMAGES ON SITE DUE TO CONSTRUCTION.
2. CONTRACTOR TO PROPERLY SECURE CONSTRUCTION AREA W/ APPROPRIATE MARKINGS & BARRICADES. THE SITE WILL BE IN USE DURING CONSTRUCTION.
3. PROVIDE POSITIVE SLOPE AWAY FROM NEW VENDING STRUCTURE.
4. CONTRACTOR IS RESPONSIBLE TO REMOVE ALL DEBRIS ON A DAILY BASIS.
5. COORDINATE UTILITY CONSTRUCTION W/ O.D.O.T. REPRESENTATIVE. SEE MECHANICAL SHEETS FOR UTILITY ENTRANCES.
6. FIELD VERIFY ALL EXISTING UTILITY LOCATIONS BEFORE CONSTRUCTION OF NEW VENDING STRUCTURE.

SPECIFIC

1. EXISTING TREES TO REMAIN.
2. PROVIDE & INSTALL PLANTING BEDS W/ 8" TOPSOIL MINIMUM.
3. PROVIDE & INSTALL NEW 5'-0" WIDE SIDEWALK TO CONSIST OF 4" CONCRETE OVER 4" COMPACTED GRAVEL.
4. REGRADE & RESEED AREAS DISTURBED BY CONSTRUCTION. TYPICAL. CONTRACTOR TO FERTILIZE & WATER UNTIL PROJECT HAS BEEN COMPLETED & SIGNED OFF BY OWNER.
5. REMOVE EXISTING PLANTS & PLANTING BED WHERE IT INTERFERES W/ NEW CONCRETE PAD.
6. REMOVE EXISTING TREE & ROOT SYSTEM ENTIRELY.
7. EXISTING ELECTRIC AND TELEPHONE MANHOLES TO REMAIN.
8. EXISTING TELEPHONE BOOTH TO REMAIN.
9. EXISTING TRASH CAN TO REMAIN.



B 1-70 EASTBOUND SITE PLAN

SCALE: 1"=10'-0"

Joe Yee
Rest area PK 27
Gue, CO
I-70
Eastbound
Vending Bldg.

MARSH ARCHITECTS

Worthington Office:
65 E. Wilson Bridge Road
Suite 202
Worthington, Ohio 43085
614.888.9600
614.888.9618 fax
danmarsh@columbus.rr.com

Chillicothe Office:
14 S. Paint Street
Foulke Block, Suite 76
Chillicothe, Ohio 45601
740.773.1796

STATE OF OHIO REHABILITATION SERVICES COMMISSION

PROJECT DESCRIPTION:

NEW VENDING STRUCTURES AT:
I-70 EASTBOUND & I-90 WESTBOUND
GUERNSEY & ASHTABULA COUNTIES
PARK 27 VENDING
I-70EB BLDG

☐ Preliminary

☒ Construction 5/29/01

☐ Revision

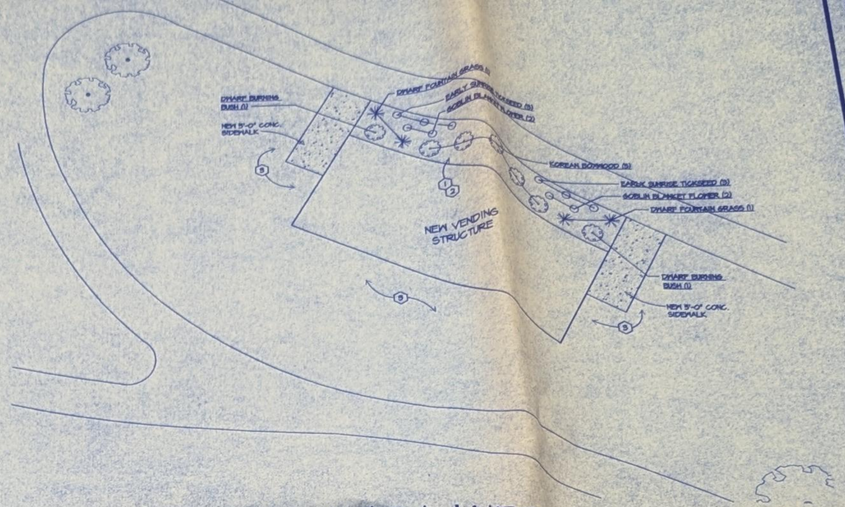
S-1

LANDSCAPE SCHEDULE I-90W

BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE
BUXUS MICROPHYLLA 'KOREANA'	KOREAN BOXWOOD	9	B & B
EUONYMUS ALATA 'COMPACTA'	DWARF BURNING BUSH	8	B & B
PENNISETUM 'HAMELN'	DWARF FOUNTAIN GRASS	4	1 GAL.
COREOPSIS	EARLY SUNRISE TICKSEED	9	1 GAL.
GAILLARDIA BLANKET FLOWER	GOBLIN BLANKET FLOWER	8	1 GAL.

LANSCAPE NOTES

1. PROVIDE & INSTALL 8" GRADE A TOPSOIL IN ALL PLANTING BEDS - MINIMUM.
2. PROVIDE & INSTALL 2" GRADE A HARDWOOD MULCH IN ALL LANDSCAPE BEDS.
3. RESRADE & RESEED LAWN AREA DISTURBED DUE TO CONSTRUCTION.



A PARTIAL I-90 LANDSCAPE PLAN

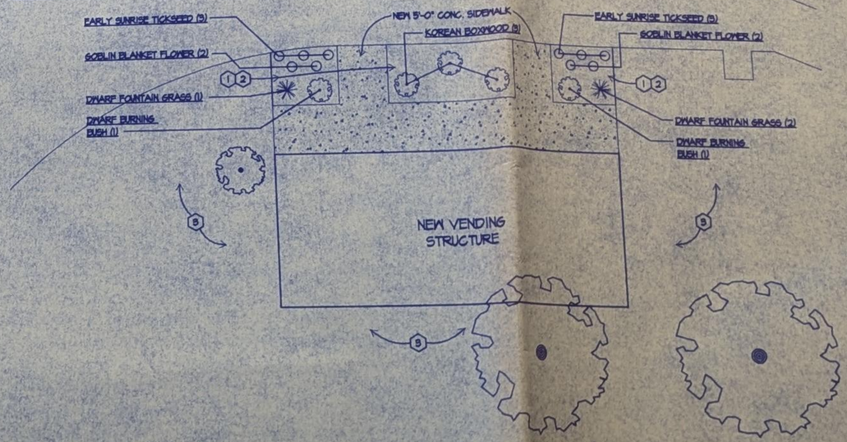
SCALE: 1/8"=1'-0"

LANDSCAPE SCHEDULE I-70E

BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE
EUONYMUS ALATA 'COMPACTA'	DWARF BURNING BUSH	2	B & B
PENNISETUM 'HAMELN'	DWARF FOUNTAIN GRASS	2	1 GAL.
GAILLARDIA BLANKET FLOWER	GOBLIN BLANKET FLOWER	4	1 GAL.
BUXUS MICROPHYLLA 'KOREANA'	KOREAN BOXWOOD	3	B & B
COREOPSIS	EARLY SUNRISE TICKSEED	6	1 GAL.

LANDSCAPE NOTES

1. PROVIDE & INSTALL 8" GRADE A TOPSOIL IN ALL PLANTING BEDS - MINIMUM.
2. PROVIDE & INSTALL 2" GRADE A HARDWOOD MULCH IN ALL LANDSCAPE BEDS.
3. RESRADE & RESEED LAWN AREA DISTURBED DUE TO CONSTRUCTION.



B PARTIAL I-70 LANDSCAPE PLAN

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

DAN MARSH ARCHITECTS

Worthington Office:
65 E. Wilson Bridge Road
Suite 202
Worthington, Ohio 43085
614.888.9800
614.888.9618 fax
danmarsh@columbus.rr.com

Chillicothe Office:
14 S. Paint Street
Foulke Block, Suite 76
Chillicothe, Ohio 45601
740.773.1796

STATE OF OHIO REHABILITATION SERVICES COMMISION

PROJECT DESCRIPTION:

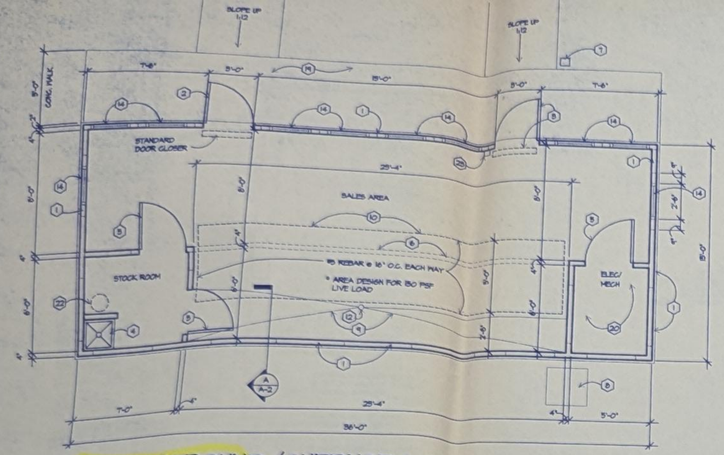
NEW VENDING STRUCTURES AT:
I-70 EASTBOUND & I-90 WESTBOUND
GUERNSEY & ASHTABULA COUNTIES

☐ Preliminary

☒ Construction 5/29/01

☐ Revision

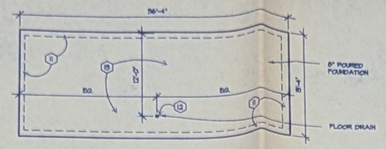
L-1



A FLOOR PLAN

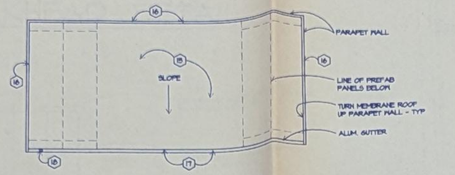
I-70 EASTBOUND (GUERNSEY CO.)

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



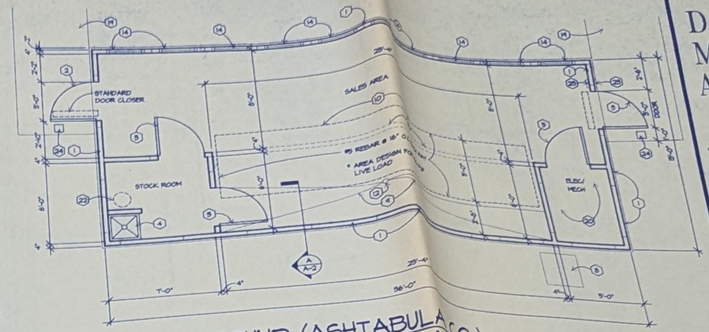
B FOUNDATION PLAN

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



C ROOF PLAN

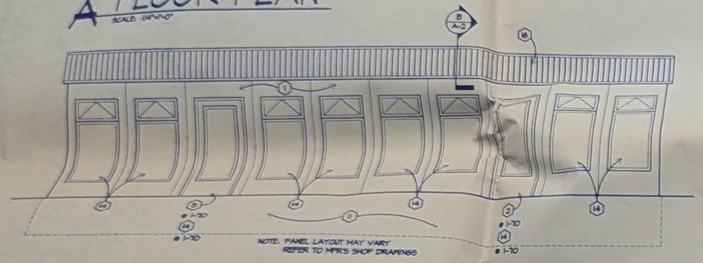
SCALE: 1/8"=1'-0"



D FLOOR PLAN - I-90 ASHTABULA COUNTY

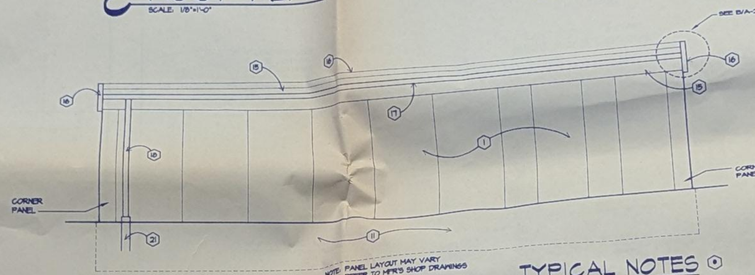
I-90 WESTBOUND (ASHTABULA CO.)

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



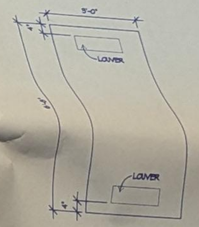
E FRONT ELEVATION

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



F REAR ELEVATION

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



INTERIOR DOOR ELEV.

36"X80" PREFINISHED MTL. DOOR W/ (2) 18"X6" LOUVERS

PROJECT DESIGN LOADING

FLOOR LIVE LOAD	100 PSF
WIND LIVE LOAD	80 PSF
SNOW LIVE LOAD	32 PSF
SOIL BEARING CAPACITY	2000 PSF (ASSUMED)

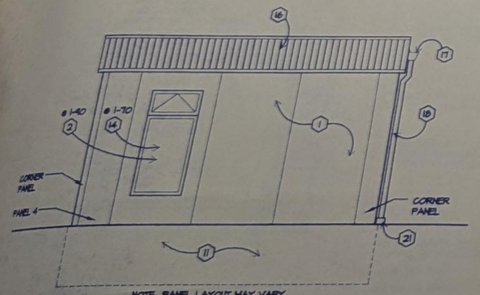
TYPICAL NOTES

GENERAL

1. GENERAL CONTRACTOR SHALL GROUND ALL EXTERIOR METAL VENEER PANELS AS INDICATED WITH THE REQUIREMENTS OF CHAPTER 27 AND NFPA 70 LISTED IN CHAPTER 35 OF THE OEBC.
2. ALL DOORS WILL BE SAFETY GLAZED WITH TEMPERED GLASS.

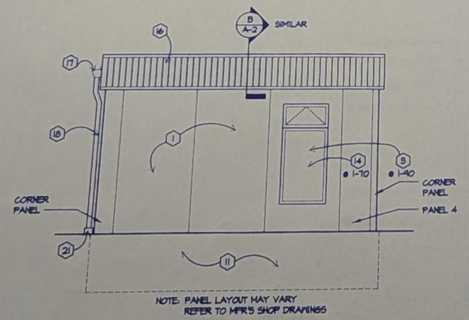
SPECIFIC

1. PREFABRICATED PANEL SYSTEM PROVIDED & INSTALLED BY SUPPLIER. SECURE PANEL TO FOUNDATION W/ANCHOR BOLTS @ 48" O.C.
2. PROVIDE & INSTALL PREFINISHED 3'-0" x 6'-8" FULL PANEL GLASS METAL INSULATED DOOR IN METAL FRAME W/ LOUVER & H.C. HARDWARE.
3. PROVIDE & INSTALL PREFINISHED 3'-0" x 6'-8" FULL PANEL GLASS METAL INSULATED DOOR IN METAL FRAME W/ OVATIC SENIOR SWING (OUTSWING) DOOR OPENER BY 'DOOROMATIC' SEE DETAIL & INFORMATION ON SHEET E-1. SEE E/A-2.
4. LOCATION TO INSTALL MOP SINK. SEE SHEET M-1 FOR DETAILS.
5. PROVIDE & INSTALL PRE-FINISHED FLUSH METAL DOOR IN METAL FRAME W/ (2) 18"X6" LOUVERS, ONE 4" FROM TOP & 6" FROM BOTTOM.
6. PROVIDE & INSTALL BULKHEAD ABOVE. SEE DETAIL C/A-2.
7. PROVIDE & INSTALL 6" METAL POST W/ H.C. DOOR OPENING BUTTON. SEE DETAIL D/A-2.
8. PROVIDE & INSTALL 5'-0" x 5'-0" PRECAST CONCRETE PAD FOR A.C. CONDENSOR TO REST UPON.
9. SLOPE FLOOR 1/2" MAX. TO DRAIN AS SHOWN.
10. LOCATION FOR VENDING MACHINES BY OTHER.
11. PROVIDE & INSTALL 8" POURED CONCRETE FOUNDATION TO 36" BELOW GRADE W/ #5 REBAR CONTINUOUS. SEE A/A-2
12. PROVIDE FLOOR DRAIN. PROVIDE TRAP PRIMER.
13. PROVIDE & INSTALL 6" CONCRETE SLAB W/ 6x6 10/10 WWF ON 6 MIL POLY VAPOR BARRIER. SEE DETAIL A/A
14. 2'-4" x 4'-2" FIXED VINYL WINDOW IN PANEL W/ 2'-4" x 1'-4" INTEGRAL AWNING WINDOW ABOVE. PROVIDED & INSTALLED BY PANEL MANUFACTURER, PREFINISHED, W/ LOW E GLASS.
15. PROVIDE & INSTALL 6 MIL - SINGLE PLY EPDM ROOFING OVER 5/4" EXTERIOR GRADE PLYWOOD SHEATHING W/ SLOPE TO 1/4" @ 2'-0" O.C.
16. LOCATION OF 2'-6" TALL PARAPET WALLS W/ V-PANEL FACADE SYSTEM BY BERRIDGE MANUFACTURING CO. SEE EXTERIOR ELEVATIONS & DETAIL B/A-2.
17. PROVIDE & INSTALL 5" PREFINISHED CONTINUOUS ALUMINUM GUTTER. COLOR: DARK BRONZE.
18. PROVIDE & INSTALL 5"x4" PREFINISHED ALUMINUM DOWNSPOUT. SECURE TO PANEL @ 6'-0" O.C. W/ METAL STRAP. COLOR: DARK BRONZE.
19. PROVIDE & INSTALL 4" DEEP CONCRETE SIDEWALK OVER 4" COMPACTED GRAVEL. SEE SITE PLANS FOR EXISTING.
20. SEE ELECTRICAL & MECHANICAL SHEETS FOR PLUMBING, ELECTRICAL, & HVAC LOCATIONS.
21. PROVIDE & INSTALL 4" PVC PIPE UNDERGROUND & CONNECT TO EXISTING STORM LINES OR DAYLIGHT TO CURVED BOOT CONNECTOR @ 5"x4" DOWNSPOUT.
22. WATER HEATER LOCATION ABOVE SINK. SEE SHEET M-1.
23. LOCATION TO PROVIDE & INSTALL H.C. DOOR BUTTON @ 4'-0" A.F.F. SECURE TO WALL. INSTALL CONDUIT TO [illegible]
24. PROVIDE & INSTALL 42" HIGH 6"X6" CONCRETE FILLED MTL. POST W/ BASE PLATE ANCHORED TO SIDEWALK W/ [illegible] - SEE DETAIL 6/A-2. MOUNT HEX DOCK BUMPER (GRAINGER ITEM 6AMF88) AND ATTACH TO POST W/ MIDDLE OF BUMPER CENTERED @ [illegible]



G SIDE ELEVATION

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



H SIDE ELEVATION

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

DAN MARSH ARCHITECTS

Worthington Office:
65 E. Wilson Bridge Road
Suite 202
Worthington, Ohio 43085
614.888.9600
614.888.9618 fax
danmarsh@columbus.rr.com

Chillicothe Office:
14 S. Paint Street
Foulke Block, Suite 76
Chillicothe, Ohio 45601
740.773.1796

STATE OF OHIO REHABILITATION SERVICES COMMISSION

PROJECT DESCRIPTION:

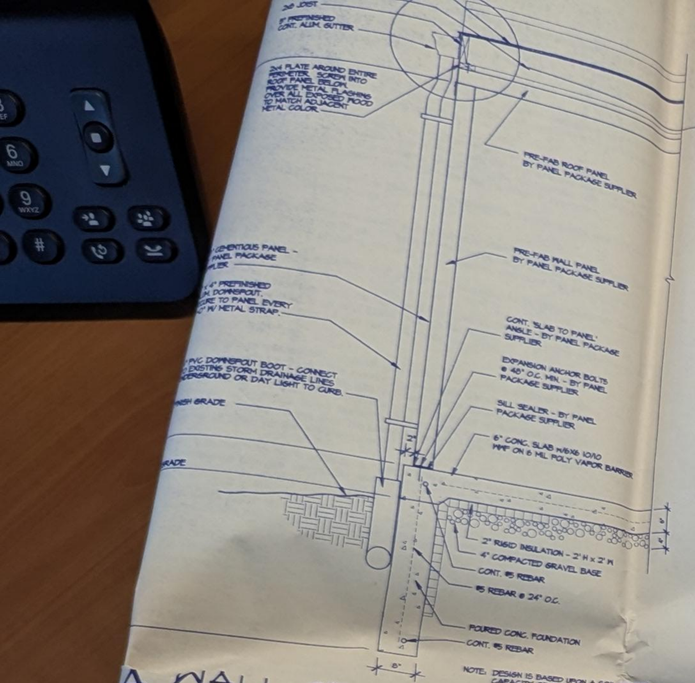
NEW VENDING STRUCTURES AT:
I-70 EASTBOUND & I-90 WESTBOUND
GUERNSEY & ASHTABULA COUNTIES

☐ Preliminary

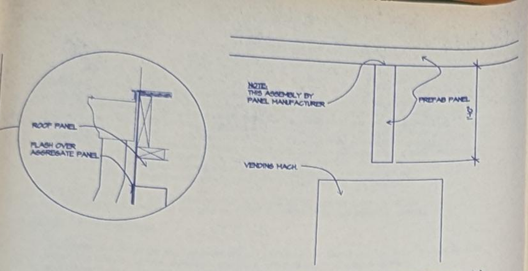
☒ Construction 5/29/01

☐ Revision

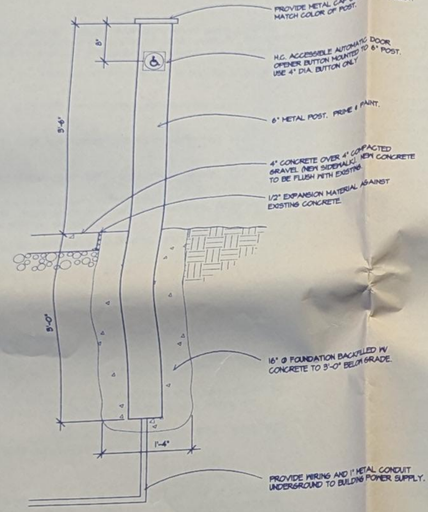
A-1



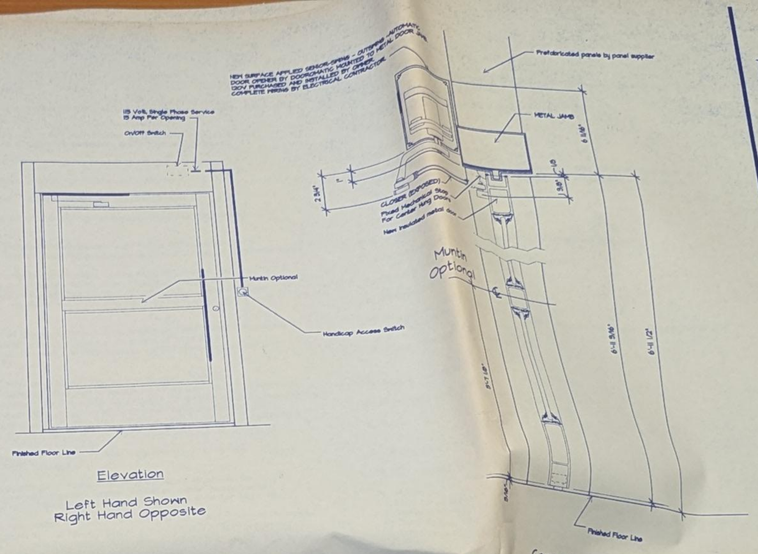
A WALL SECTION
SCALE: 3/4"=1'-0"

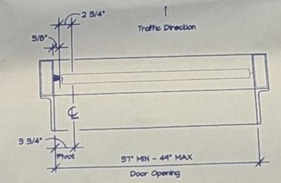


C BULKHEAD DETAIL
SCALE: 1"=1'-0"

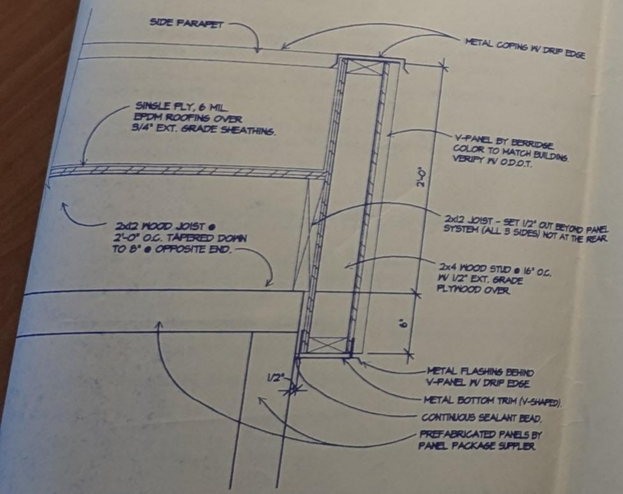


D H.C. DOOR BUTTON POST
SCALE: 1"=1'-0"

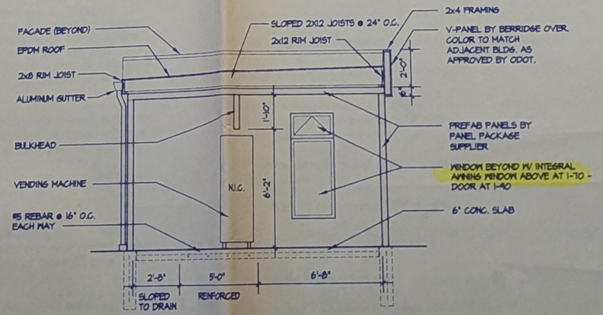




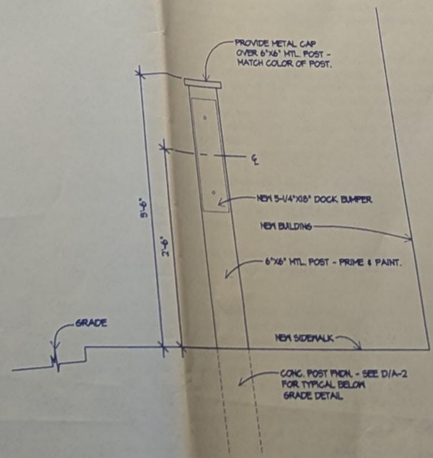
E SURFACE APPLIED OPENER
SCALE: 3"=1'-0"



PARAPET/ROOF DETAIL



F BUILDING SECTION
SCALE: 1/4"=1'-0"



G DOOR STOP DETAIL
SCALE: 1"=1'-0"

DAN MARSH ARCHITECTS

Worthington Office:
65 E. Wilson Bridge Road
Suite 202
Worthington, Ohio 43085
614.888.9600
614.888.9618 fax
danmarsh@columbus.rr.com

Chillicothe Office:
14 S. Paint Street
Foulke Block, Suite 76
Chillicothe, Ohio 45601
740.773.1796

STATE OF OHIO REHABILITATION SERVICES COMMISSION

PROJECT DESCRIPTION:
NEW VENDING STRUCTURES AT:
I-70 EASTBOUND & I-90 WESTBOUND
GUERNSEY & ASHTABULA COUNTIES

☐ Preliminary
☒ Construction 5/29/01
☐ Revision

A-2

...ed. These general requirements apply to all site work ... to Division 2 Specification Sections for additional requirements.

...tain and pay for all required inspections, permits, and fees. Provide notices ...quired by governmental authorities.

...ocate and identify existing underground and overhead utilities in areas of work. If ...ities are to remain, provide adequate means of protection during site work ... operations. Repair utilities damaged during site work operations to satisfaction of ...lity owner and Contractor's expense.

...hould uncharted or incorrectly charted underground piping or other utilities be ...countered during site work operations, notify the applicable utility company and the ...rchitect immediately for directions. Cooperate with the applicable ...lity company in maintaining active service and facilities in operation.

...ocate, protect, and maintain benchmarks, monuments, control points, and project ...ngineering reference points.

...onduct site work operations to ensure minimum interference with street and other ...adjacent occupied facilities. Comply with all local requirements for trucking of ...materials, including standing, parking, traffic routes, and covering of open trucks.

Provide site work materials and equipment as selected by the contractor, except as ...indicated.

All excess materials shall be removed from the site and properly disposed of. Comply with all applicable local and State of Ohio requirements regarding materials, methods of work, and disposal of excess and waste materials.

...00 - DEMOLITION

The work of demolition, removal, and salvage shall be performed in the best and most workmanlike manner by qualified, careful, and efficient workmen in strict conformity with the best trade, safety practices and code requirements. The Contractor shall exercise special care not to deface or damage those portions of the existing facility which are to remain in place. Care shall be taken to protect the existing conditions in the general area of the work involved.

All existing site work which is to remain in place and which is damaged in connection with the demolition work shall be promptly repaired by the Contractor at his expense in order to restore it to its existing condition.

The Contractor shall do all necessary shoring and bracing to adequately support all parts of the existing conditions during demolition, erection, and installation operations.

The Contractor shall do all cutting and patching of every description as required for the removal of existing work and/or for the installation of new work to match and join with existing construction as indicated and/or implied on the drawings as directed by the Architect/Owner or herein specified.

Unless otherwise noted on the drawings, specified or implied herein or directed by the Owner, the Contractor shall promptly remove from the premises and dispose of all materials and debris caused by the demolition work.

Dust Control: Exercise care in doing wrecking and take all precautions necessary to maintain as nearly as possible dust-free conditions during removal operations.

2200 - EARTHWORK

Perform earthwork as shown and specified. Comply with Section 02000 requirements. Includes all trenching and backfilling for mechanical and electrical work.

1. Remove all existing asphalt, pavement, stone, unsuitable fill, and topsoil beneath all areas of new construction.
2. Provide rough grading and installation of compacted fill for the building base, foundations, and parking area, to grades required.
3. Excavate for structures, footings, and underground utilities.
4. Provide backfill against foundation wall.

Provide and pay for soil testing and inspection services during earthwork operations. Submit inspection reports on all fill material, subgrade, granular base, foundation excavations, and compaction operations.

If provided, refer to soils report for use of excavated materials for fill, anticipated subsurface conditions, and other site information.

Barricade open excavation and post warning light at work adjacent to parking areas and streets outside temporary construction fencing area. Comply with OSHA requirements for safety.

Materials:

1. All fill and backfill material subject to testing approval. Provide all imported fill required to complete the work.
2. On-site fill: Clean soil or soil-rock mixture free of foreign materials, organic material, and debris. Suitable excavated materials removed to accommodate new construction may be used for fill, subject to approval.
3. Imported fill: Clean, natural sandy-clay subsoil, soil-rock mixture, free of foreign matter, organic material, and debris or bankrun sand and gravel. Designate borrow area. Sample and test as directed.
4. Granular Slab Base: AASHTO M43 #6 (3/8" - 3/4") clean stone and gravel.
5. Granular Backfill: AASHTO M43 #8 crushed stone or gravel grits.

...ade to ensure area drains away from structure and to prevent ponding of surface ...

6. The backfill of trenches traversing driveways and parking areas to be uniformly compacted to a density of not less than 95% or ASTM D698 maximum dry density to within one foot of the surface of the finished subgrade with the remaining one foot to subgrade elevation uniformly compacted to a density of not less than 100% of ASTM D698 dry density. Soils from trench excavation normally possesses excessive moisture rendering it extremely difficult, if not impossible, to develop the degree of compaction recommended, therefore, it may be more economical or even necessary to use bankrun gravel to achieve the above. Loosely backfilled trenches will subside subject to wheel loads of vehicles and/or saturation of the backfill.

H. Backfill of trenches for subfloor utilities and excavation around footings to be compacted to a density of not less than 95% of ASTM D698 maximum dry density.

02300 - EXTERMINATION

A. The general contractor shall provide ground poisoning for termites and other ground insects under new slab on grade. General Contractor shall submit to Owner a written guarantee from a reputable local extermination company.

02500 - CONCRETE WALKS AND PAVING

A. Provide and install concrete stoops, pads, and exterior paving as shown and specified.

B. Comply with "Reinforced Concrete" requirements for concrete mix design, sampling, testing, quality control, mixing, and placing concrete as noted on the drawings.

C. Materials:

1. Forms: Steel or wood of size and strength to resist movement during concrete placement and to retain horizontal and vertical alignment until removal. Provide forms free of distortion and defects, and of height equal to full depth of concrete work.
2. Concrete Materials and Mix: 4000 psi air-entrained 4% to 6%. Refer to general structural notes.
3. Premolded Joint Filler: ASTM C1751, non-extruding asphalt-impregnated fiberboard, 1/2" thick.
4. Curing Compound: ASTM C309, non-staining liquid membrane-forming type with fugitive dye.
5. Granular Base: AASHTO M43 #6 (3/8" - 3/4") clean stone or gravel.

D. Deposit and spread concrete in a continuous operation between expansion/construction joints. Place concrete in one course, monolithic construction, for the full width and depth of curbs and walks.

E. Provide premolded joint filler for expansion joints abutting concrete structures, walls, and other fixed objects.

1. Locate expansion joints at maximum 20'-0" on center.
2. Extend joint fillers full width and depth of joint. Maintain the top edge of joint filler not more than 1/8" below the finished surface.
3. Furnish joint fillers in one piece lengths for the full width being placed. Staple filler maximum lengths.
4. Protect the top edge of the joint filler during concrete placement.

F. Provide sidewalk and pavement surfaces with textured broom finish perpendicular to direction of travel. Edge outside edges and all joints with a radius edging tool.

G. Cure all concrete with a non-staining liquid membrane-forming compound. Spray apply in accordance with manufacturer's recommended coverage rate.

02800 - LANDSCAPING

A. Furnish all labor, materials, equipment required to complete spreading of stockpiled topsoil, furnishing and spreading all additional topsoil required, sodding indicated as topsoil, furnishing and spreading all additional topsoil required, sodding indicated as specified herein. Sod all disturbed areas and all areas where topsoil is required to be spread.

B. The work shall be so coordinated with other contractors as to prevent any conflicts as to scheduling with others.

C. Sodding shall be performed by personnel familiar with planting procedure and under the supervision of a qualified planting foreman.

D. Prior to the excavation of planting trees or plant pits, driving or placing of stakes or deadmen, the contractor shall ascertain the location of all electrical cables, all conduits, all utility lines, oil tanks, and supply lines, so that proper precautions may be taken not to disturb or damage any sub-surface improvements. In the event any are uncovered, the contractor shall promptly notify the Architect in writing, who shall arrange to relocate the plant material, if possible. The Contractor shall be responsible for any damage to utilities and structures and shall properly maintain the protection of same.

E. All materials which in the opinion of the Owner or his authorized representative do not meet the requirements of these specifications may be rejected at any stage of the work, and all of the rejected materials shall be removed from the site by the Contractor.

F. Water used in the performance of this work shall be furnished by the Owner and the Contractor shall use only clean water furnished. Hoses or other methods of transportation shall be provided by the Contractor.

G. Lawn seed shall contain 40% Kentucky Bluegrass and 40% Creeping Red Fescue and 20% Annual Ryegrass at a sufficient rate to insure a proper grass cover at time of germination. Seed mixture shall be spread at the rate of three (3) pounds per 1,000 sq. ft. with mechanical seeder on a still day or hydraulically.

H. The operation of seed sowing shall not be performed when the ground is frozen or muddy or when soil or weather conditions would prevent the proper soil preparation ...as specified

DIVISION 3 - CONCRETE

03000 - CAST-IN-PLACE CONCRETE

A. Furnish and install all materials and labor to complete all concrete work shown on the drawings.

B. Codes and Standards: Comply with provisions of following codes, specifications and standards, except where more stringent requirements are shown or specified:

1. ACI 301 "Specifications for Structural Concrete for Buildings."
2. ACI 318 "Building Code Requirements for Reinforced Concrete."
3. Concrete Reinforcing Steel Institute, "Manual of Standard Practice."
4. "Manual of Standard Practice for Detailing Reinforced Concrete Structures," ACI-315.

C. Concrete Testing Service: Employ, at Contractor's expense, a testing laboratory acceptable to Architect to perform material evaluation tests and to design concrete mixes.

D. Materials and installed work may require testing and re-testing, as directed by Architect, at any time during progress of work. Allow free access to material stockpiles and facilities. Tests not specifically indicated to be done at Owner's expense, other tests, including re-testing of rejected materials and installed work, shall be done at Contractor's expense.

E. Comply with ACI 315 "Manual of Standard Practice for Detailing Reinforced Concrete Structures" showing bar schedules, stirrup spacing, diagrams of bent bars, arrangement of concrete reinforcement. Include special reinforcement required and openings through concrete structures.

F. Forms for Exposed Finish Concrete: Unless otherwise indicated, construct formwork for exposed concrete surfaces with plywood, metal, metal-framed plywood faced or other acceptable panel-type materials, to provide continuous, straight, smooth, exposed surfaces. Furnish in largest practicable sizes to minimize number of joints and to conform to joint system shown on drawings. Provide form material with sufficient thickness to withstand pressure of newly-placed concrete without bow or deflection.

1. Use overlaid plywood complying with U.S. Product Standard PS-1 "B-B High Density Overlaid Concrete Form", Class 1.

G. Forms for Unexposed Finish Concrete: Form concrete surfaces which will be unexposed in finished structure with plywood, lumber, metal or other acceptable material. Provide lumber dressed on at least 2 edges and one side for tight fit.

H. Earth cuts may be used for foundation forms if sides are straight and true, not exposed in the finish structure and approved by the Architect. Any indication of irregularity, excessive slope or failure of earth sides, will be cause for requirement of wood forms.

I. Reinforcing Bars (ReBar): ANSI/ASTM A 615, Grade 60, deformed.

J. Welded Wire Fabric (WWF): ANSI/ASTM A 185, welded steel wire fabric.

K. Supports for Reinforcement: Provide supports for reinforcement including bolsters, chairs, spacers and other devices for spacing, supporting and fastening reinforcing bars and welded wire fabric in place. Use wire bar type supports complying with CRSI recommendations, unless otherwise acceptable.

1. For slabs-on-grade, use supports with sand plates or horizontal runners where base material will not support chair legs.

L. Portland Cement: ANSI/ASTM C 150, Type I, unless otherwise acceptable to Architect. Use one brand of cement throughout project, unless otherwise acceptable to Architect.

M. Normal Weight Aggregates: ANSI/ASTM C 33.

N. Water: Potable.

O. Air-Entraining Admixture: ANSI/ASTM C 260.

P. Water-Reducing Admixture: ANSI/ASTM C 494, Type A, and contain not more than 1% chloride ions.

Q. Water-Reducing, Accelerator Admixture: ASTM C 494, Type C or E.

R. Water-Reducing, Retarding Admixture: ASTM C 494, Type D, and contain not more than 1% chloride ions.

S. Calcium chloride not permitted.

T. Design mixes to provide normal weight concrete with the following properties, as indicted on drawings and schedules:

1. 4000 psi 28-day compressive strength; for slabs on grade.
2. 3000 psi 28-day compressive strength; for reinforced foundations.
3. 4000 psi 28-day compressive strength; for exterior concrete.

U. Use air-entraining admixture in exterior exposed concrete, unless otherwise indicated. All air-entraining admixture at manufacturer's prescribed rate to result in concrete at point of placement having air content within following limits:

1. Concrete structures and slabs exposed to freezing and thawing or subjected to hydraulic pressure:
   a. 3% to 7% for maximum 2/4" aggregate.

V. Slump Limits: Proportion and design mixes to result in concrete slump at point of placement as follows:

1. Ramps and Sloping Surfaces: not more than 3".
2. Reinforced Foundation Systems: no more than 3".
3. Other Concrete: not more than 4".

W. Sampling and testing ... following, as directed ...

1. Sampling Fresh ... ASTM C 172.
2. Slump: ASTM C ...
3. Air Content: ...
4. Concrete Temp... test hourly when air temperature is 40 degree F (4 degrees C) and ... when 80 degrees F (27 degrees C) and above.
5. Compression Te... ASTM C 31.
6. Compressive St... tests: ASTM C 39.

X. Shop drawings: Fu... detailed drawings for approval indications.

1. Size, number, ty... location of reinforcement.
2. Bending and pl... evaluate.
3. Reinforcing spli... locations and lengths.
4. Accessory mate... and related details required for proper installation of the reinforcement.
5. Type of materi... proposed.

DIVISION 4 - MASONRY

04000 - UNIT MASONRY

A. None

DIVISION 5 - METALS

05000 - STRUCTURAL STEEL

A. Materials:
   Structural Steel - ASTM A36
   Bolts - ASTM A307
   Electrodes - ASTM A233 Series E60 or E70
   Structural Pipes and Tubes - ASTM A501, Fy = 36ksi

B. Connections: Unless otherwise noted, connections shall develop full strength of member.

C. Miscellaneous:

1. Grout under bearing plates to be non-shrink (Embeco)
2. Steel below grade to be protected with a minimum of 3" of concrete.
3. Provide heavy washers at all anchor bolts.

05100 - PIPE RAILINGS

A. Furnish all necessary labor, materials and equipment to complete the fabrications and installation of all pipe railings as indicated on the drawings and specified herein.

B. Railings shall be assembled to comply with all applicable codes and safety standards. Shop drawings must be approved before fabrications is begun.

1. Shop drawings shall show gauges, thicknesses, sizes and construction of all members as well as the manner of assembling the various members which make up the different items. Show true profiles, connections and relationship to adjoining work, methods of anchoring, and all other pertinent information. No work shall be fabricated or delivered to the site until approval of shop and detailed drawings for the work has been obtained.

C. Steel: ASTM A 36 with galvanizing or zinc coating; in accordance with ASTM A123 or A 386 as applicable and observing precautions in ASTM Recommended Practices A384 and A385.

D. Pipe Railings: 1-1/2" I.P.S. and solid rods as detailed, all welded construction and flush fittings. Where pipe rails are detailed, construct as shown. Where pipe rails are shown only in plan construct with an intermediate rail with standards spaced not more than 6'-0" O.C. Mount wall rails with plain design brackets spaced not over 6'-0" O.C. with a minimum of 1 per run and return ends to wall. Where railings are mounted in concrete, grout into galvanized steel sleeves. Where railings are mounted on steel, weld and grind smooth. Galvanize all exterior pipe railings. Intermediate divisions to be high strength stranded cable bolted and welded to pipe.

E. Use shop and field primer and touch-up which will be compatible with the finish. Where two coats of primer are required, tint the second coat a recognizable different shade. Clean and touch with zinc rich paint all welds and abrasions on galvanized items before shipment.

F. Prime steel used for supports, brackets and fastenings. Do not shop paint galvanized items. Apply 2 shop coats to parts of miscellaneous items which will be inaccessible after assembly.

G. Provide all anchor sleeves, screen, bolts and connecting members necessary for securing metal work to other adjacent or adjoining work. Provide and install angles and other reinforcement. Do all cutting, drilling or modifying of adjacent or adjoining work where necessary for proper installation. Set all hardware that is shop installed. Do all bending true to line. Bend or form all tubing, pipe and other members to continuous and true curves, with all joints flush, hairline, neatly fastened together and assembled to other materials. Furnish all necessary patterns and templates and check all measurements with the trades, where needed, all sockets, anchors, and other portions of this work that are to be built into the structure and supervised their accurate spacing and setting.
   and be responsible for

DAN MARSH ARCHITECTS

Worthington Office:
65 E. Wilson Bridge Road
Suite 202
Worthington, Ohio 43085
614.888.9600
614.888.9618 fax
danmarsh@columbus.rr.com

Chillicothe Office:
14 S. Paint Street
Foulke Block, Suite 76
Chillicothe, Ohio 45601
740.773.1796

STATE OF OHIO
REHABILITATION
SERVICES
COMMISSION

PROJECT DESCRIPTIO

NEW VENDIN
STRUCTURES A
I-70 EASTBOUND & I-90 WESTB
GUERNSEY & ASHTABULA CO

☐ Preliminary

☒ Construction 5/29

☐ Revision

S

members to be continuous member of uniform thickness. Grind welds at intersecting members to sharp lines.

I. Erect all metal items in proper position, securely fastened, plumb, in line, and level. The completed installations shall be free of sharp edges and rough spots. Touch up all abrasions and metal cuts, bolts, and nuts with the material used for shop priming so that the entire assembly as erected, presents a complete smooth prime coat of paint.

J. Provide and set structural shapes such as angles, channels, plates, etc., shown to be built-in or anchored into concrete for attachment of other work. Coordinate with the trades furnishing items which will attach to these built-in members for proper positioning.

DIVISION 6 - WOOD AND PLASTICS
(PROVIDED & INSTALLED BY PANELIZED BLDG. SUPPLIER)

06100 - ROUGH CARPENTRY

A. Furnish labor, materials and equipment required to complete rough carpentry work indicated as specified herein, or both.

B. The Ohio Basic Building Code and applicable codes are hereby made a direct part of this specification.

C. Framing Lumber: All studs, plated, furring, headers, blocking, etc.; "Construction" grade Douglas Fir as defined in the "Standard Grading and Dressing Rules" of West Coast Lumber Inspection Bureau.

D. Treated Lumber: All wood in contact with or within 12 inches of concrete or masonry.

E. Plywood Sheathing: All plywood sheathing; group 1 species meeting the requirements of U.S. Product Standard PS 1-66, of the sizes and thicknesses shown on the drawings.

F. Rough Hardware: Furnish all items of rough hardware, connection, bolts, etc., required to complete the work.

END OF DIVISION

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

07000 - INSULATION

A. Provide and install foundation insulation.

B. Perimeter slab and foundation wall rigid board insulation: Dow Chemical "Styrofoam SM", extruded, closed-cell polystyrene plastic board. Equal products by Amoco, Celotex, and UC Industries are also acceptable. Thickness as noted.

C. Install insulation in accordance with manufacturer's written instructions for conditions of installation indicated.

1. Apply rigid board insulation in single layer of required thickness over entire area to be insulated. Cut and fit tightly around obstruction. Fill all voids.

07100 - CAULKING AND SEALANTS

A. Provide and install all caulking and sealant. Includes:

1. Where steel and aluminum frames abut masonry.

2. At building expansion and control joints.

3. At all locations noted on the drawings.

4. Where dissimilar materials meet.

5. At all wall penetrations.

6. Under cove or vinyl cove base.

7. At gaps or cracks as directed by the Owner or Architect.

B. Products by Tremco, Bostik, Dow, Sika, Sonneborn, or Pecora for application listed are acceptable.

1. Color: Selected by Architect.

07200 - WATER AND OIL REPELLENT COATINGS

A. Provide and install clear coating of water repellent material over all interior concrete floor surfaces.

B. Material shall pass ASTM C67 tests with a repellency rate of 96% minimum and be

C. Concrete floor surfaces to receive one coat Enviroseal Surface Guard by Hydorzo or acceptable equal. Apply per manufacturer's specifications.

END OF DIVISION

08500 - GLAZING

A. Rated hollow metal [illegible]

B. Glass doors shall ha[illegible]

END OF DIVISION

DIVISION 9 - FINISHES

09200 - PAINTING

A. Panel building manufac[illegible]

B. Panelized building supp[illegible]

END OF DIVISION

DIVISION 10 - SPECIALTIES

10100 - SIGNAGE

A. General Contractor is

10200 - ACCESSORIES

A. General contractor to

10800 - FIRE EXTINGUISHERS

A. Provide and install one

B. Fire extinguishers shall

C. Minimum requirements:

D. This supplier shall deliver

E. All equipment shall be

F. At the time of turn over

DIVISION 11 - EQUIPMENT

A. None

END OF DIVISION

FRAMES, HARDWARE & CLOSERS SHALL BE
ALLED BY PANELIZED BLDG. SUPPLIER)

shall have 1/4" tempered safety glass.

tempered safety glass.

is to touch up all mall panels.

is to provide 1 qvart touch up paint.

provide & install all signs indicated, including h.c. parking signs.

provide and install all misc. bath accessories as indicated on

extinguisher. Locate per owner.

be manufactured by Larsen, Norris, Kidde,

-purpose dry chemical extinguisher, 10 lb, UL

dard wall hanger basket.

all materials to the job site, unload and store in an area
contractor. Any damaged materials shall be replaced by
expense. After storing is completed, the materials become
general contractor.

checked for compliance with NFPA-10 and UL rating

of the building this supplier shall inspect and check all
and workability and shall place current inspection card on
the extinguisher.

DAN
MARSH
ARCHITECTS

Worthington Office:
65 E. Wilson Bridge Road
Suite 202
Worthington, Ohio 43085
614.888.9600
614.888.9618 fax
danmarsh@columbus.rr.com

Chillicothe Office:
14 S. Paint Street
Foulke Block, Suite 76
Chillicothe, Ohio 45601
740.773.1796

STATE OF OHIO
REHABILITATION
SERVICES
COMMISSION

PROJECT DESCRIPTION:

NEW VENDING
STRUCTURES AT:
I-70 EASTBOUND & I-90 WESTBOUND
GUERNSEY & ASHTABULA COUNTIES

☐ Preliminary

☒ Construction 5/29/01

☐ Revision