



GDRTA PARATRANSIT BUS GARAGE 701 LONGWORTH STREET, DAYTON OH 45402



ISSUANCE: BID SET, APRIL 28, 2025

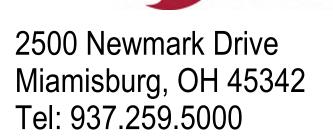


10 S Patterson Blvd

Dayton, OH 45402

Tel: 937.224.4474





Engineering
Building Partnerships

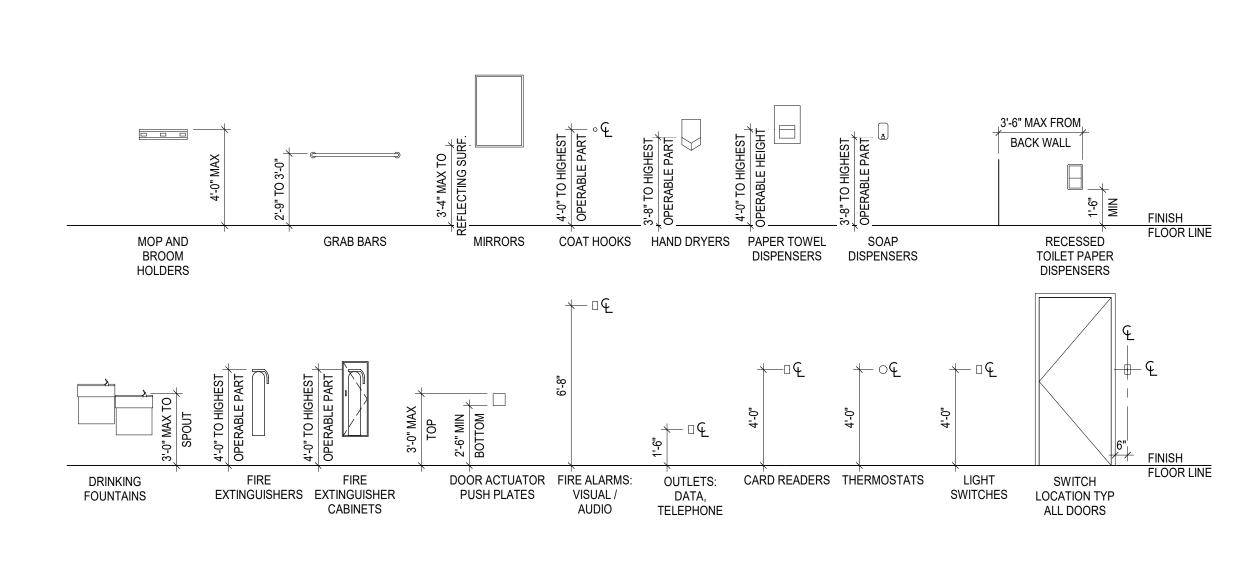
schæfer

537 East Pete Rose Way, Ste 400 Cincinnati, OH 45202 Tel: 513.542.3300



1400 W Dorothy Lane Dayton, OH 45409 Tel: 937.224.0861

SHEET NO.	LIST SHEET NAME	Revision Des	cription Revision Date	
SENERAL 6000	COVER SHEET	BID SET	04/28/25	
001 002	CODE INFORMATION, GENERAL NOTES, ABBREVIATIONS AND SYMBOLS MATERIAL I.D. CODES	BID SET BID SET	04/28/25 04/28/25	
003 004 001	PARTITION TYPES COMCHECK LIFE SAFETY PLANS	BID SET BID SET BID SET	04/28/25 04/28/25 04/28/25	CHAMPLI
002 /IL	LIFE SAFETY PLANS	BID SET	04/28/25	ARCHITECTU
001 00	GENERAL NOTES EXISTING CONDITIONS	BID SET BID SET	04/28/25 04/28/25	
200 300 301	DEMOLITION PLAN SITE PLAN SITE PLAN COORDINATE LAYOUT	BID SET BID SET BID SET	04/28/25 04/28/25 04/28/25	
100 101	UTILITY PLAN UTILITY PLAN	BID SET BID SET	04/28/25 04/28/25 04/28/25	
500 501	GRADING PLAN GRADING PLAN	BID SET BID SET	04/28/25 04/28/25	
600 601 602	DETAILS DETAILS DETAILS	BID SET BID SET BID SET	04/28/25 04/28/25 04/28/25	
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702 300	SWPPP DETAILS LANDSCAPING PLAN	BID SET BID SET	04/28/25 04/28/25	
CHITECTUF	RAL DEMOLITION EXISTING BUILDING 705 DEMOLITION PLAN	BID SET	04/28/25	
CHITECTUF	RAL GENERATOR SCREEN WALL DETAILS	BID SET	04/28/25	10 S Patterson Blvd Dayton, OH 45402
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02	NEW WORK PLANS NEW WORK PLANS	BID SET BID SET	04/28/25 04/28/25	thinkchamplin.co
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101 102 103	BUILDING MATERIALITY BUILDING ELEVATIONS BUILDING ELEVATIONS	BID SET BID SET BID SET	04/28/25 04/28/25 04/28/25	Engineerir Building Partnerships
104 105	BUILDING ELEVATIONS BUILDING METAL PANEL LAYOUT	BID SET BID SET	04/28/25 04/28/25	2500 Newmark Drive, Miamisburg, OH 45342 T: 937.259.5000
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)01)02	GENERAL NOTES SPECIAL INSPECTION SCHEDULES	BID SET BID SET	04/28/25 04/28/25	
003 101 102	LOADING INFORMATION BUS GARAGE BUILDING FOUNDATION PLAN BUS GARAGE BUILDING ROOF FRAMING PLAN	BID SET BID SET BID SET	04/28/25 04/28/25 04/28/25	701 Longworth Stre
111 201	BUS WASH BUILDING FOUNDATION & FRAMING PLANS CONCRETE SCHEDULES & TYP FOUNDATION DETAILS	BID SET BID SET	04/28/25 04/28/25	Dayton, OH 45402
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331 341	COLUMN SCHEDULE & TYPICAL COLUMNS BASE DETAILS	BID SET	04/28/25	
LUMBING 001	LEGENDS AND NOTES	BID SET	04/28/25	
002 003 004	SCHEDULES AND DETAILS GASOLINE DETAILS SITE UTILITY PLAN	BID SET BID SET BID SET	04/28/25 04/28/25 04/28/25	
100 100F	NEW WORK PLANS FOUNDATION NEW WORK PLANS	BID SET BID SET	04/28/25 04/28/25	
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06 00	EXTERIOR PHOTOMETRICS LIGHTING NEW WORK PLANS	BID SET BID SET	04/28/25 04/28/25	Author Drawn By Author
00	POWER NEW WORK PLANS ROOF NEW WORK PLANS EIDE ALADM NEW WORK PLANS	BID SET BID SET	04/28/25 04/28/25	Checked By BJ. M
000 000	FIRE ALARM NEW WORK PLANS ELECTRICAL SINGLE LINE PANEL SCHEDULES	BID SET BID SET BID SET	04/28/25 04/28/25 04/28/25	Author Checked By Checker Client No.
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01 02	TECHNOLOGY LEGEND AND SHEET INDEX TECHNOLOGY DETAILS TECHNOLOGY DETAILS AND SCHEDULES	BID SET BID SET	04/28/25 04/28/25 04/28/25	634 Project No. BRYAN J. GREEN
003	TECHNOLOGY DETAILS AND SCHEDULES TECHNOLOGY SITE PLAN NEW WORK PLANS	BID SET BID SET BID SET	04/28/25 04/28/25 04/28/25	7310 EXPIRATION DATE 12/3
00	ENLARGED PLANS AND ELEVATIONS	BID SET	04/28/25	COVER SHEET
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TYPICAL MOUNTING HEIGHTS

GENERAL NOTES

ITEMS SHOWN SHALL BE MOUNTED AT THE HEIGHT INDICATED UNO FOR AN ITEM IN A SEPARATE DETAIL. GENERAL CONTRACTOR SHALL PROVIDE BLOCKING IN STUD PARTITIONS FOR ALL WALL-MOUNTED EQUIPMENT AND ACCESSORIES. VERIFY MOUNTING LOCATIONS AND BLOCKING REQUIREMENTS WITH THE ASSOCIATED SUB-CONTRACTORS, MANUFACTURERS, OR EQUIPMENT SUPPLIERS. SEE TYPICAL BLOCKING DETAILS ON G003 FOR REQUIREMENTS.

SIM

SPEC SPK

SSTL

TELE

THK

TLT

TPD

UNO

U/S

SHEATHING

SPRINKLER

TELEPHONE

STEEL

THICK

TOILET

TOP OF

SPECIFICATION

STAINLESS STEEL

TONGUE & GROOVE

TOP OF CONCRETE

TELEPHONE/DATA

TOILET PAPER DISPENSER

UNLESS NOTED OTHERWISE

TOP OF STEEL

UNDERSIDE

VERIFY IN FIELD

VISION PANEL

WITH

SIMILAR

		A101	INTERIOR ELEVATION
Name Elevation	LEVEL NAME and ELEVATION	101	DOOR TAG
0	GRID HEAD	<u></u>	WALL TAG
SIM A101	CALL OUT HEAD	< 1t	WINDOW TAG
Room Name	ROOM TAG	1 View Name A101 1/8" = 1'-0"	VIEW NAME w/ SCALE
1 SIM 1 A101 SIM	BUILDING SECTION	1	REVISION TAG
SIM A101	WALL SECTION	C1 10'-0"	CEILING TAG
SIM A101	DETAIL SECTION	(1)	DEMOLITION KEYNOTE TAG
1	EXTERIOR ELEVATION	1	NEW KEYNOTE TAG





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GDRTA PARATRANSIT BUS GARAGE



701 Longworth Street, Dayton, OH 45402

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No.	Description	Date
1	CONSTRUCTION SET	02/14/25
2	REV 1 - PERM COMMENTS	04/11/25
3	BID SET	04/28/25

Checker

Guards located on open sides of ramps, stairs and walkways located more than 30" above grade Minimum guard height: 42" Openings shall not allow 4" sphere to pass through Triangular openings at stair shall not require 6" sphere to pass through Ships Ladders, Section 1011.15 Maximum riser height: 9-1/2" Minimum tread depth: 5" Minimum tread depth + nosing: 8-1/2" Fixed Roof Ladders, OMC Section 306.5 Minimum side railing extension above roof edge: 30" Maximum rung spacing: 14" Minimum toe spacing: 6" deep 2021 NFPA 30A Code for Motor Fuel Dispensing Facilities and Repair Garages Minimum width between rails: 18" Plumbing Fixture Requirements: Code requirement per Table 2902.1 is for 1 water closet, 1 lavatory, 1 drinking fountain and 1 service sink. 2017 ICC A117.1 Accessible and Usable Buildings and Facilities **Energy Code Requirements:** Climate Zone for Montgomery County, Ohio, Table C301.1:

ABBREVIATIONS

POUND or NUMBER

AREA DRAIN

ALUMINUM

ANODIZED

BASEMENT

BEYOND

BOTTOM

CHANNEL

CEILING

CLEAR

CAST IN PLACE

CONTROL JOINT

COMPRESSIBLE

CONCRETE

CONTINUOUS

DOUBLE

DEMOLITION

DIAMETER

DIMENSION

DOWN

DOOR

EACH

DRAWING

ELEVATION

ELECTRICAL

ELEVATION

EQUAL

EXISTING

EXTERIOR

FLOOR DRAIN

FOUNDATION

FIRE EXTINGUISHER CABINET

EXPANSION JOINT

ACOUSTICAL CEILING TILE

ABOVE FINISHED FLOOR

CONCRETE MASONRY UNIT

AND

ALUM

ANOD

BYND

CHNL

CMU

COMPR

CONC

CONT

DEMO

DWG

ELEC

ELEV

EXST

BSMT

FLR

GALV

GYP

HVAC

MECH

NOM

OPP

PCC

PLYD

RBR

REQD

RM

FLOOR

FACE OF

GAUGE

HIGH

HOUR

GALVANIZED

HOLLOW CORE

HOLLOW METAL

CONDITIONING

IN LIEU OF

INTERIOR

MAXIMUM

MEMBR MEMBRANE

MINIMUM

METAL

NOMINAL

ON CENTER

PLUMBING

PLYWOOD

PAINT

RUBBER

ROOF DRAIN

REQUIRED

ROOM

MECHANICAL

WALL BOARD

NOT IN CONTRACT

OPPOSITE HAND

PRE CAST CONCRETE

POLYVINYL CHLORIDE

REFLECTED CEILING PLAN

MASONRY OPENING

MRGWB MOISTURE RESISTANT GYPSUM

INSULATION

HIGH POINT

GYPSUM

FILLED MATERIAL

FIRE RETARDANT TREATED

HEATING, VENTILATION, AIR

- 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL AUTHORITIES, CODES, RULES AND
- UNLESS NOTED OTHERWISE, ALL MATERIALS AND EQUIPMENT ARE TO BE INSTALLED PER THE APPLICABLE PROVISIONS OF THESE DOCUMENTS AND THE MANUFACTURER'S INSTRUCTIONS. THESE DOCUMENTS SHOW THE MINIMUM CONSTRUCTION REQUIREMENTS AND QUALITY OF WORK EXPECTED. MORE STRINGENT
- REQUIREMENTS STIPULATED WITHIN RELEVANT MANUFACTURER'S INSTALLATION INSTRUCTIONS WILL SUPERSEDE. ANY CONFLICTS WITHIN THE DRAWINGS, BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, OR BETWEEN THE DRAWINGS AND
- THE ACTUAL CONDITIONS AT THE SITE, ARE TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT. THE CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL WRITTEN CLARIFICATION FROM THE ARCHITECT IS RECEIVED. ALL MATERIALS USED ARE REQUIRED TO BE NEW UNLESS OTHERWISE NOTED AND/OR OF A QUALITY TO MEET OR EXCEED ALL
- APPLICABLE INDUSTRY STANDARDS. WHERE SPECIFIC PRODUCTS OR MANUFACTURERS ARE NOT NOTED, THE CONTRACTOR IS REQUIRED TO NOTIFY THE ARCHITECT TO OBTAIN A MINIMUM STANDARD OF QUALITY.
- GENERAL CONTRACTOR SHALL SECURE AND PAY FOR PERMITS, INSPECTIONS, AND LICENSES APPLICABLE TO THE PROJECT,
- <u>INCLUDING TRADE PERMITS, INSPECTIONS, AND LICENSES.</u> GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL MEANS, METHODS AND TECHNIQUES FOR CONSTRUCTION.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR JOB-SITE SAFETY INCLUDING BUT NOT LIMITED TO THE ADHERENCE TO OSHA REGULATIONS. GENERAL CONTRACTOR SHALL COORDINATE ALL WORK WITH ALL DISCIPLINES, INCLUDING, BUT NOT LIMITED TO PLUMBING,
- MECHANICAL, ELECTRICAL, TECHNOLOGY, FIRE PROTECTION & SITE DRAWINGS. GENERAL CONTRACTOR SHALL COORDINATE THE SIZE AND LOCATION OF ALL PENETRATIONS THROUGH FLOORS, CEILINGS,
- ROOFS, AND WALLS. SEAL ALL PENETRATIONS WITH CAULK OR AS INDICATED ON DRAWINGS. ALL PENETRATIONS THROUGH FIRE-RATED CONSTRUCTION MUST BE FIRE-SAFED IN ACCORDANCE WITH THE SPECIFICATIONS. 11. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL EQUIPMENT INSTALLATION AND VERIFYING ALL REQUIRED
- CONSTRUCTION, UNLESS NOTED OTHERWISE. 12. ALL ELECTRICAL AND MECHANICAL WORK SHALL BE PERFORMED BY PERSONNEL LICENSED IN THE STATE WHERE THIS PROJECT IS

ROUGH OPENINGS AND ROUGH-IN DIMENSIONS WITH THE EQUIPMENT MANUFACTURER, OWNER AND ARCHITECT PRIOR TO

- 13. DO NOT SCALE DRAWINGS. DIMENSIONS SHALL GOVERN. ALL PLAN DIMENSIONS ARE TAKEN TO FINISH FACE OF
- CONSTRUCTION. 14. ALL CONCEALED WOOD SHALL BE FIRE RETARDANT TREATED.
- 15. MAINTAIN EGRESS PATHS DURING CONSTRUCTION. MODIFICATION OF EGRESS PATHS MUST BE APPROVED BY THE BUILDING

16. MAINTAIN THE BUILDING IN A WEATHER TIGHT CONDITION AT ALL TIMES. DAMAGE BY WIND, RAIN, OR OUTSIDE AIR ENTERING

THE BUILDING THROUGH A CONSTRUCTION OPENING, PENETRATION, DOOR OR WINDOW HELD OPEN FOR THE PURPOSE OF CONSTRUCTION ACTIVITY AT THE TIME WEATHER DAMAGE IS SUSTAINED SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE. 17. PROVIDE FIRE PROTECTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE GOVERNING AUTHORITY.

EXISTING CONDITIONS AND DEMOLITION:

- GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO DEMOLITION AND CONSTRUCTION. IF PROVIDED, THE GENERAL CONTRACTOR SHALL CAREFULLY EXAMINE EXISTING BUILDING DOCUMENTS. THE CONTRACTOR SHALL IMMEDIATELY BRING ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND CONSTRUCTION DOCUMENTS TO THE ATTENTION OF THE
- ARCHITECT. GENERAL CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF EXISTING CONSTRUCTION TO REMAIN DURING DEMOLITION AND CONSTRUCTION. ANY DAMAGE TO EXISTING CONSTRUCTION TO REMAIN MUST BE REPAIRED AT CONTRACTOR'S EXPENSE.
- ITEMS TO BE SALVAGED AND LOCATION TO STORE SALVAGED ITEMS SHALL BE INDICATED BY OWNER. OWNER SHALL REMOVE FURNISHINGS PRIOR TO START OF CONSTRUCTION. OWNER SHALL REMOVE MOVEABLE EQUIPMENT AND EXISTING SIGNAGE
- PRIOR TO START OF CONSTRUCTION D. ALL DEMOLITION AND CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE OWNER TO MINIMIZE DISRUPTIONS OF NORMAL FUNCTIONS OF THE OWNER'S OCCUPIED AREAS.
- E. ALL EXISTING SERVICES AND UTILITIES SHALL BE MAINTAINED TO AREAS THAT ARE TO REMAIN IN OPERATION. COORDINATE ALL DISRUPTIONS OR DISCONTINUATIONS OF UTILITIES AND SERVICES WITH OWNER. NO SHUT DOWN OF EXISTING SERVICES IS ALLOWED TO OCCUR UNTIL RECEIVING THE OWNER'S WRITTEN APPROVAL OF THE SHUTDOWN SCHEDULE. PROVIDE TEMPORARY
- SERVICES AND/OR UTILITIES DURING INTERRUPTIONS AS REQUIRED AND APPROVED BY THE OWNER. INSTALL TEMPORARY BARRICADES AROUND CONSTRUCTION AREAS AS REQUIRED BY OWNER AND BY APPLICABLE CODES AND REGULATIONS. BARRICADES MUST BE CONSTRUCTED IN ACCORDANCE WITH OSHA REQUIREMENTS AND OWNER'S INTERIM LIFE SAFETY MEASURES. BARRICADES SHALL NOT BE REMOVED UNITL ALL FINISH WORK IS COMPLETED AND APPROVAL IS GRANTED BY OWNER. GENERAL CONTRACTOR IS RESPONSIBLE FOR PATCHING AND REPAIRING ALL DAMAGE RESULTING FROM
- INSTALLATION AND REMOVAL OF TEMPORARY BARRICADES. ALL DEMOLISHED MATERIAL (EXCEPT SALVAGED ITEMS) SHALL BECOME THE CONTRACTOR'S PROPERTY AND SHALL BE REMOVED PROPERLY FROM THE SITE. NO DEBRIS SHALL BE LEFT IN THE CONSTRUCTION ROUTES BEYOND THE AREAS OF WORK, CONTAIN DEBRIS IN COVERED CONTAINERS BEFORE TRANSPORTING BEYOND THE CONSTRUCTION AREA. THE COVERING SHALL BE A SOLID AND TIGHT-FITTING LID OR SHALL BE PLASTIC OR TARP TAPED TIGHT OVER THE CONTAINER. LOAD DEBRIS DIRECTLY ONTO TRUCKS OR INTO DUMPSTERS FOR REMOVAL. DISPOSE OF DEBRIS LEGALLY. DO NOT BURN DEBRIS ON THE SITE. DO NOT ALLOW DEBRIS TO ENTER SEWERS. DO NOT ALLOW PILED DEBRIS TO ENDANGER STRUCTURES, BLOCK EXITS OR ROADWAYS. COMBUSTIBLE WASTE WHICH COULD CREATE A FIRE HAZARD SHALL NOT BE PERMITTED TO ACCUMULATE IN OR AROUND THE
- GENERAL CONTRACTOR SHALL REMOVE FROM SITE FOUNDATIONS ASSOCIATED TO EXISTING BUILDING 705 IN THEIR ENTIRETY

The projet scope includes the demolition of 705 Longworth Street, the construction of a new paratransit bus garage, bus wash building and fleet vehicle motor-fuel dispensing facility, modifications to the existing parking lot, new native planting (by Owner), new shade trees on the west side of the property (by Owner - matching the existing adjacent shade tree species) and a new semi fuel truck pull-in area with remote gasoline fill location and underground fuel tanks.

Codes and Regulations: Information in this code summary is in reference to the 2024 Ohio Building Code (OBC).

Other applicable codes: 2017 Ohio Fire Code 2024 Ohio Plumbing Code

ANNOTATIONS

2024 Ohio Mechanical Code 2021 International Energy Conservation Code

2021 International Fuel Gas Code 2022 NFPA 13 Standard for Installation of Sprinkler Systems 2021 NFPA 30 Flammable and Combustible Liquids Code

2023 NFPA 70 National Electical Code 2022 NFPA 72 National Fire Alarm and Signalling Code 2021 NFPA 101 Life Safety Code

Occupancy Classification:

Paratransit bus garage: Moderate-Hazard Storage Group S-1 Bush wash: Business Group B Fleet Vehicle Motor-Fuel Dispensing Facility: Utility and Miscellaneous Group U

Construction Types, Table 601: Paratransit bus garage: Type IIB

Bus wash: Type IIB Fleet Vehicle Motor-Fuel Dispensing Facility: Type IIB

Type IIB requires the following ratings: Primary structural frame: 0 hours

 Exterior bearing walls: 0 hours Interior nonbearings walls: 0 hours • Roof construction: 0 hours

Special Detailed Requirements Based on Occupancy and Use, Motor-Vehicle-Related Occupancies, Section 406:

Section 406.6 Enclosed Parking Garages 406.6.2 Mechanical ventilation system and exhaust system required.

406.6.3 Automatic sprinkler system required in accordance with Section 903.2.10. Section 406.7 Motor Fuel-Dispensing Facilities 406.7.1 Vehicles required to be re-fueled on noncoated concrete or other approved paving material having resistance not exceeding 1 megohm as

determined by methodology in CEN EN 1081. 406.7.2 Canopy to have clear unobstructed height of 13 feet 6 inches to lowest projecting element in vehicle drive-thru area. Canopy and supports over pumps to be of noncombustible materials, fire-retardent-treated wood complying with Chapter 23, or construction providing 1-hour fire resistance.

Building Height, Tables 504.3 and 504.4:

Paratransit bus garage: 75 feet, 4 storeys Bus wash: 75 feet, 4 storeys Fleet Vehicle Motor-Fuel Dispensing Facility: 55 feet, 2 storeys

Paratransit bus garage: 36 feet, 1 story

Bus wash: 24 feet, 1 story Fleet Vehicle Motor-Fuel Dispensing Facility: 24 feet, 1 story

Building Area, Table 506.2:

Paratransit bus garage: 70,000 square feet (note: building is eligible for frontage increase but not required in this instance)

Bus wash: 23,000 square feet

Fleet Vehicle Motor-Fuel Dispensing Facility: 8,500 square feet

Paratransit bus garage: 66,990 square feet Bus wash: 2,200 square feet

Fleet Vehicle Motor-Fuel Dispensing Facility: 3,153 square feet

Fire-resistance Rating Requirements for Exterior Walls Based on Fire Separation Distance, Table 705.5 Paratransit bus garage: 28'-10 1/4" (10' ≤ X 30') = 0 hours

Fleet Vehicle Motor-Fuel Dispensing Facility: 28'-10 1/4" (10' ≤ X 30') = 0 hours

Maximum Area of Exterior Wall Openings Based on Fire Separation Distance and Degree of Opening Protection, Table 705.8 Paratransit bus garage: 28'-10 1/4" (25' to less than 30'), Unprotected / Sprinklered (UP, S) = no limit

Fleet Vehicle Motor-Fuel Dispensing Facility: 28'-10 1/4", (25' to less than 30'), Unprotected / Nonsprinklered (UP, NS) = 70%

Fleet Vehicle Motor-Fuel Dispensing Facility: 28'-10 1/4", (25' to less than 30'), Unprotected / Nonsprinklered (UP, NS) = 34%

Automatic Sprinkler System, Section 903: Paratransit bus garage: fully sprinklered per Section 903.3.1.1 Bus wash: not required

Fleet Vehicle Motor-Fuel Dispensing Facility: not required due to building being unattended fleet vehicle motor fuel dispensing facility

Occupant Load, Table 1004.5:

Paratransit bus garage: 200 square feet gross per person, 10 occupants total based upon Owner's bus schedule (using Section 1004.5 Exception) Bus wash: 150 square feet gross per person, 3 occupants total based upon building function (using Section 1004.5 Exception) Fleet Vehicle Motor-Fuel Dispensing Facility: N/A

Number of Exits Required, Section 1006: Refer to life safety drawings

Minimum Distance Between Exits. Section 1007: Refer to life safety drawings

Means of Egress Door Width, Section 1010.1.1: Minimum 32 inches clear

Common Path of Egress Travel, Table 1006.2.1: Paratransit bus garage: 100 feet (with sprinklers) Bus wash: 100 feet (with sprinklers) Fleet Vehicle Motor-Fuel Dispensing Facility: N/A

Exit Access Travel Distance, Table 1017.2: Paratransit bus garage: 250 feet (with sprinklers) Bus wash: 300 feet (with sprinklers) Fleet Vehicle Motor-Fuel Dispensing Facility: N/A

Dead End Corridor, Section 1020.5: 50 feet (Exception 2)

Stairs, Section 1011 Riser height: 4"-7" Minimum tread depth: 11" Nosing curvature: 1/16"-9/16"

Handrails, Section 1014 Handrail height: 34"-38" Perimeter of non-circular handrails (Type I): 4"-6-1/4"

Maximum cross sectional area of non-circular handrails (Type I): 1"-2-1/4" Handrail gripping surfaces to be continuous Handrails to return to a wall, guard or walking surface Minimum handrail extension at top of stair: 12" Minimum handrail extension at bottom of stair: one tread depth

Minimum handrail extension at top and bottom of ramps: 12"

Minimum clearance between handrail and wall / surface: 1-1/2"

CODE INFORMATION

Opaque Thermal Envelope Insulation Component Minimum Requirements, R-Value Method, Table C402.1.3:

N/A

Opaque Thermal Envelope Assembly Maximum Requirements, U-Factor Method, Table C402.1.4:

U 0.31

Building Envelope Fenestration Maximum U-Factor and SHGC Requirements, Table C402.4:

Barrier free design will be in accordance with this chapter, which references ICC A117.1.

Paratransit bus garage: R-7.5 ci

Bus wash:

Fleet Vehicle Motor

Swinging Door:

Fuel-Dispensing Facility:

Garage door < 14% glazing:

Fixed fenestration (U-factor):

R-7.5 ci

N/A

R-15 for 24" below R-13+R-10ci N/A

N/A

R-15 for 24" below N/A

0.38 where projection factor PF is < 0.2

Below Grade Wall Unheated Slab Metal Framed Wall Mass Wall Above Grade Insulation Entirely Above Roof Deck

R-11.4 ci

N/A

R-30 ci

R-30 ci

N/A

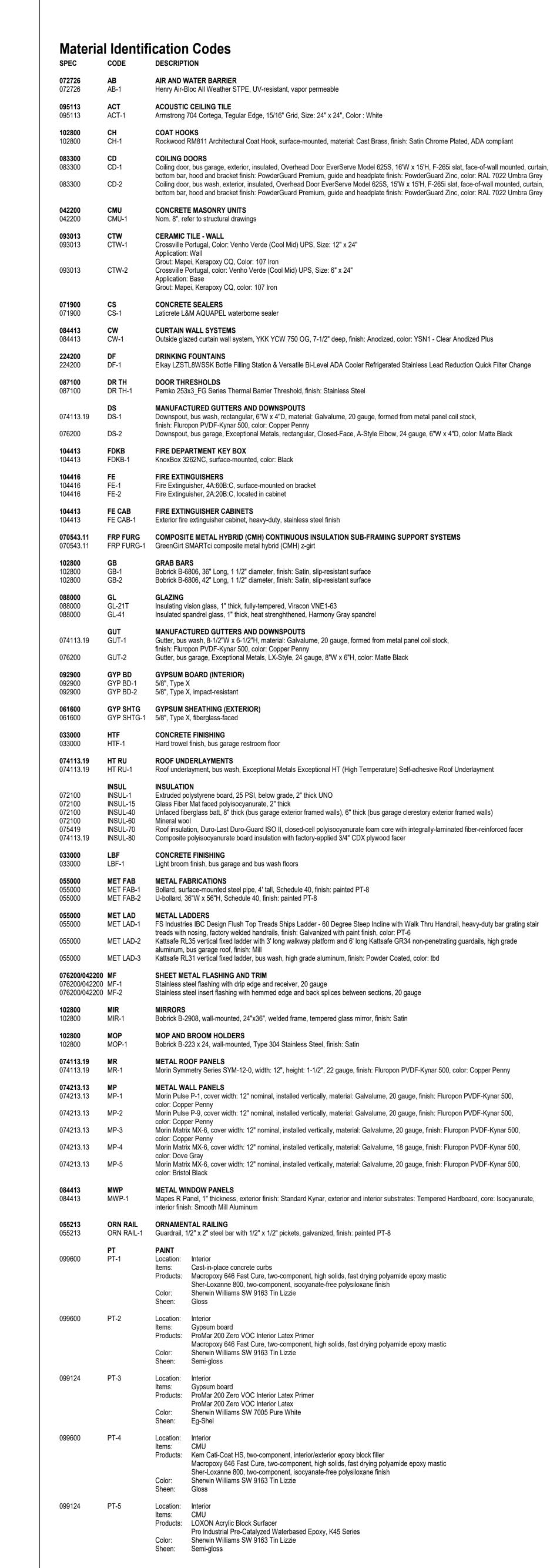
Project No LICENSE #1115372 EXPIRATION DATE 12/31/2025

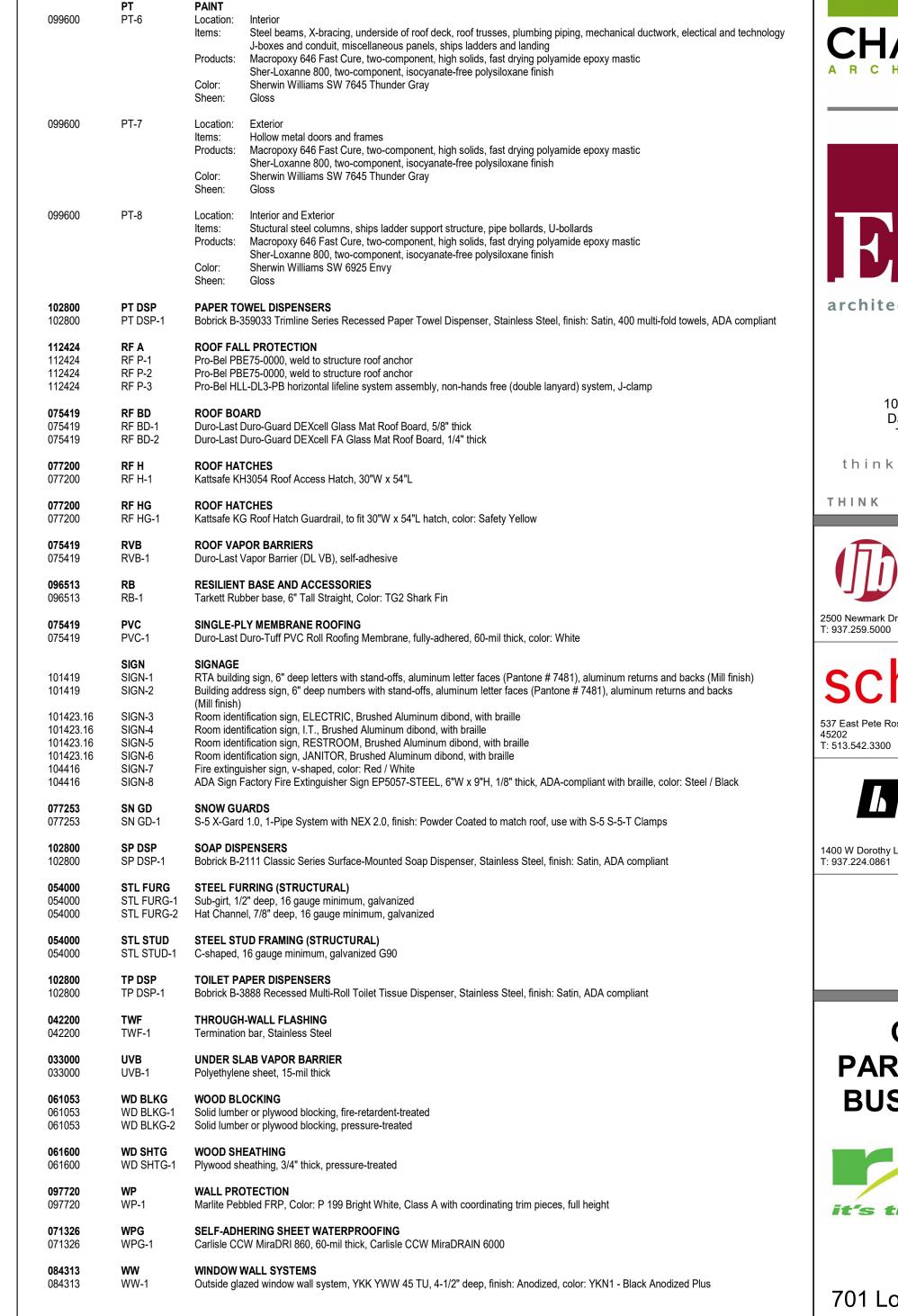
CODE INFORMATION GENERAL NOTES, ABBREVIATIONS AND | ₹ SYMBOLS

G001

PROJECT GENERAL NOTES

CODE INFORMATION









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HEAPY

W Dorothy Lane Dayton OH 45409

1400 W Dorothy Lane, Dayton, OH 45409 T: 937.224.0861

GDRTA
PARATRANSIT
BUS GARAGE



01 Longworth Street

701 Longworth Street, Dayton, OH 45402

ISSUANCES No. Description

	2 000 in paron.	
1	CONSTRUCTION SET	02/14/25
2	BID SET	04/28/25
	1	
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Drawn By

Author

Checked By

Checker

Checker
Client No.

Project No.

LICENSE #1115372 EXPIRATION DATE 12/31/2025

MATERIAL I.D. CODES

G002

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GDRTA PARATRANSIT BUS GARAGE



701 Longworth Street, Dayton, OH 45402

ISSUANCES

No.	Description	Date
1	CONSTRUCTION SET	02/14/25
2	BID SET	04/28/25

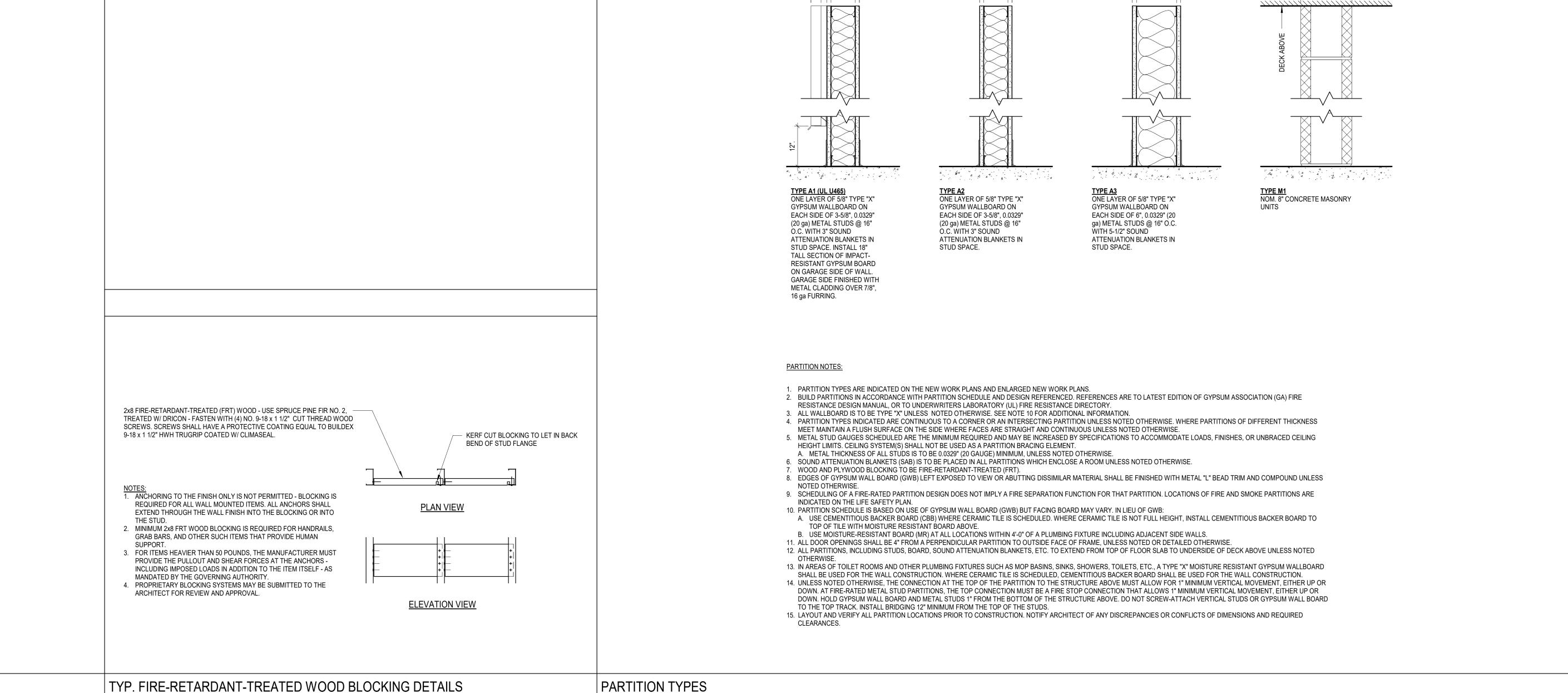
Checker Client No.

Project No.

BRYAN J. GREENE LICENSE #1115372 EXPIRATION DATE 12/31/2025

PARTITION TYPES

G003





Project Information

Energy Code: 90.1 (2019) Standard
Project Title: GDRTA Paratransit Bus Garage - Bus Wash
Location: Dayton, Ohio

Climate Zone: 5a
Project Type: New Construction

Performance Sim. Specs: EnergyPlus 8.1.0.009 (EPW: USA_OH_Dayton.Intl.AP.724290_TMY3.epw)

Construction Site: Owner/Agent:

Building AreaFloor Area1-Automotive Facility : Nonresidential2200

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U- Factor _(a)
Floor: Unheated Slab-On-Grade, Vertical 3 ft., [Bldg. Use 1 - Automotive Facility] (c)	217		10.0	0.510	0.520
Roof: Insulation Entirely Above Deck, [Bldg. Use 1 - Automotive Facility]	2408		30.0	0.032	0.032
NORTH					
Ext. Wall: Concrete Block, 8in., Solid Grouted, Normal Density, Furring: Wood, [Bldg. Use 1 - Automotive Facility]	782	0.0	12.1	0.066	0.090
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Automotive Facility]	45			0.091	0.370
Door: Other (U-Factor option), Non-Swinging, [Bldg. Use 1 - Automotive Facility]	225			0.130	0.310
EAST					
Ext. Wall: Concrete Block, 8in., Solid Grouted, Normal Density, Furring: Wood, [Bldg. Use 1 - Automotive Facility]	1665	0.0	12.1	0.066	0.090
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Automotive Facility]	24			0.091	0.370
<u>SOUTH</u>					
Ext. Wall: Concrete Block, 8in., Solid Grouted, Normal Density, Furring: Wood, [Bldg. Use 1 - Automotive Facility]	782	0.0	12.1	0.066	0.090
Door: Other (U-Factor option), Non-Swinging, [Bldg. Use 1 - Automotive Facility]	225			0.130	0.310
WEST					
Ext. Wall: Concrete Block, 8in., Solid Grouted, Normal Density, Furring: Wood, [Bldg. Use 1 - Automotive Facility]	1475	0.0	12.1	0.066	0.090
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Automotive Facility]	24			0.091	0.370
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Automotive Facility]	24			0.091	0.370

Designer/Contractor:

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.(b) 'Other' components require supporting documentation for proposed U-factors.

Project Title: GDRTA Paratransit Bus Garage - Bus Wash
Data filename: Report date: 02/14/25
Page 1 of 12

(c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 12% better than code Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 90.1 (2019) Standard requirements in COMcheck Version COMcheckWeb and to comply with any applicable

mandatory requirements listed in the Inspection Checklist.

Bryan J. Greene, Principal
Name - Title

Bryan J. Greene, Principal
Signature

2/14/25
Date

Project Title: GDRTA Paratransit Bus Garage - Bus Wash Data filename:

Report date: 02/14/25 Page 2 of 12



Project Information

Energy Code: 90.1 (2019) Standard
Project Title: GDRTA Paratransit Bus Garage - Bus Garage
Location: Dayton, Ohio

Climate Zone: 5a
Project Type: New Construction
Vertical Glazing / Wall Area: 23%

Performance Sim. Specs: EnergyPlus 8.1.0.009 (EPW: USA_OH_Dayton.Intl.AP.724290_TMY3.epw)

Construction Site: Owner/Agent: Designer/Contractor:

Building Area Floor Area

1-Parking Garage : Nonresidential 66990

Envelope Assemblies

Data filename:

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U- Factor _(a)
Floor: Unheated Slab-On-Grade, Horizontal with vertical 3 ft., [Bldg. Use 1 - Parking Garage] (d)	1068		10.0	0.660	0.520
Roof: Insulation Entirely Above Deck, [Bldg. Use 1 - Parking Garage]	13445		36.0	0.027	0.032
Roof: Insulation Entirely Above Deck, [Bldg. Use 1 - Parking Garage]	52155		36.0	0.027	0.032
<u>NORTH</u>					
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Parking Garage]	5310	25.0	12.1	0.044	0.055
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Parking Garage]	24			0.091	0.370
Door: Other (U-Factor option), Non-Swinging, [Bldg. Use 1 - Parking Garage]	240			0.130	0.310
Door: Other (U-Factor option), Non-Swinging, [Bldg. Use 1 - Parking Garage]	240			0.130	0.310
Door: Other (U-Factor option), Non-Swinging, [Bldg. Use 1 - Parking Garage]	240			0.130	0.310
Window: Metal Frame: Fixed, Perf. Specs.: Product ID Certification ID, SHGC 0.28, VT 0.54, [Bldg. Use 1 - Parking Garage] (c)	1155			0.400	0.360
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Parking Garage]	290	21.0	12.1	0.046	0.055
Window: Metal Frame: Fixed, Perf. Specs.: Product ID Certification ID, SHGC 0.28, VT 0.53, [Bldg. Use 1 - Parking Garage] (c)	152			0.350	0.360
<u>EAST</u>					
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Parking Garage]	8720	25.0	12.1	0.044	0.055
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Parking Garage]	24			0.091	0.370
Door: Insulated Metal, Non-Swinging, [Bldg. Use 1 - Parking Garage]	240			0.130	0.310
Window: Metal Frame: Fixed, Perf. Specs.: Product ID	2544			0.400	0.360
Project Title: GDRTA Paratransit Bus Garage - Bus Garage				Report o	late: 02/14/25

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget (
Certification ID, SHGC 0.28, VT 0.54, [Bldg. Use 1 - Parking Garage] (c)					
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Parking Garage]	732	21.0	12.1	0.046	0.055
Window: Metal Frame: Fixed, Perf. Specs.: Product ID Certification ID, SHGC 0.28, VT 0.53, [Bldg. Use 1 - Parking Garage] (c)	372			0.350	0.360
<u>SOUTH</u>					
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Parking Garage]	5485	25.0	12.1	0.044	0.055
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Parking Garage]	24			0.091	0.370
Door: Insulated Metal, Non-Swinging, [Bldg. Use 1 - Parking Garage]	240			0.130	0.310
Window: Metal Frame: Fixed, Perf. Specs.: Product ID Certification ID, SHGC 0.28, VT 0.54, [Bldg. Use 1 - Parking Garage] (c)	765			0.400	0.360
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Parking Garage]	290	21.0	12.1	0.046	0.055
Window: Metal Frame: Fixed, Perf. Specs.: Product ID Certification ID, SHGC 0.28, VT 0.53, [Bldg. Use 1 - Parking Garage] (c)	152			0.350	0.360
WEST					
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Parking Garage]	7360	25.0	12.1	0.044	0.055
Window: Metal Frame: Fixed, Perf. Specs.: Product ID Certification ID, SHGC 0.28, VT 0.54, [Bldg. Use 1 - Parking Garage] (c)	1195			0.400	0.360
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Parking Garage]	732	21.0	12.1	0.046	0.055
Window: Metal Frame: Fixed, Perf. Specs.: Product ID Certification ID, SHGC 0.28, VT 0.53, [Bldg. Use 1 - Parking Garage] (c)	372			0.350	0.360

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.

(b) 'Other' components require supporting documentation for proposed U-factors.
(c) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.

(d) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 0.3% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 90.1 (2019) Standard requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Bryan J. Greene, Principal
Name - Title

Bryan J. Greene, Principal
Signature

2/14/25
Date

Project Title: GDRTA Paratransit Bus Garage - Bus Garage

Data filename: Report date: 02/14/25

Page 2 of 9

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GDRTA PARATRANSIT BUS GARAGE

Page 1 of 9



701 Longworth Street, Dayton, OH 45402

ISSUANCES

No.	Description	Date
1	CONSTRUCTION SET	02/14/25
2	BID SET	04/28/25

Drawn By
Checked By

Checked By
Checker
Client No.

634

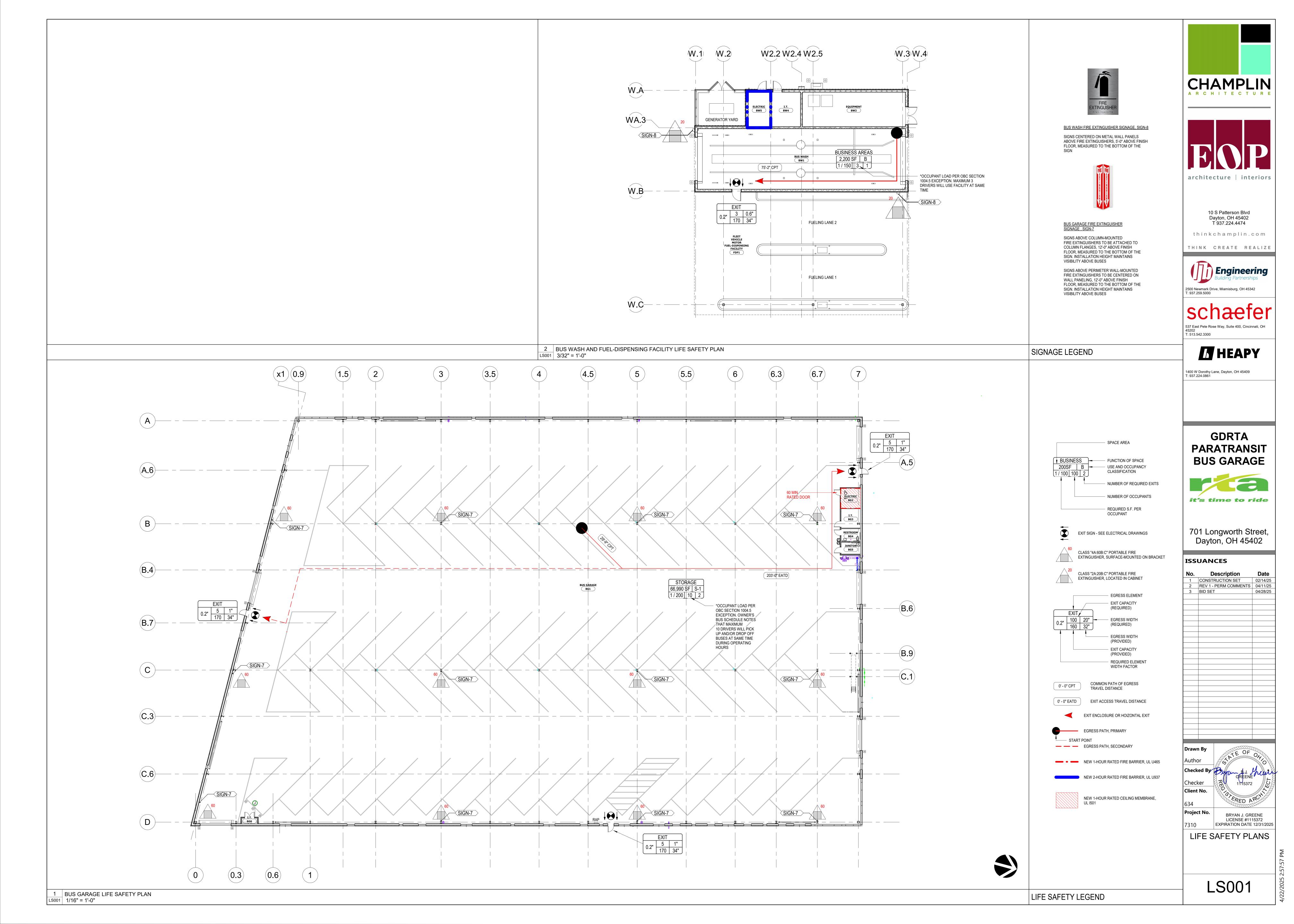
Checked By
Checker

Project No.

BRYAN J. GREENE
LICENSE #1115372
EXPIRATION DATE 12/31/2025

COMCHECK

G004



BUS WASH: OBC TABLE 705.5: FIRE-RESISTANCE RATING OF EXTERIOR WALLS BASED
UPON TYPE IIB CONSTRUCTION
AND OCCUPANCY GROUP **BUS GARAGE:** B = 0 HOURSOBC TABLE 705.5: FIRE-RESISTANCE RATING OBC TABLE 705.8:

MAXIMUM AREA OF EXTERIOR

WALL OPENINGS BASED UPON
25'-30' FIRE SEPARATION

DISTANCE AND UNPROTECTED /

NONSPRINKLERED OPENING

PROTECTION - 700' OF EXTERIOR WALLS BASED
UPON TYPE IIB CONSTRUCTION
AND OCCUPANCY GROUP
S-1 = <u>0 HOURS</u> PROTECTION = 70%
ACTUAL EXTERIOR WALL
OPENINGS = 34% OBC TABLE 705.8: MAXIMUM AREA OF EXTERIOR WALL OPENINGS BASED UPON 28'-10 1/4" 28'-10 1/4" FSD 25'-30' FIRE SEPARATION DISTANCE AND UNPROTECTED / SPRINKLERED OPENING PROTECTION = NO LIMIT **BUS WASH** FLEET VEHICLE MOTOR-FUEL DISPENSING FACILITY **BUS GARAGE**





10 S Patterson Blvd Dayton, OH 45402 T 937.224.4474 t h i n k c h a m p l i n . c o m

Engineering

THINK CREATE REALIZE

Building Partnerships

2500 Newmark Drive, Miamisburg, OH 45342
T: 937.259.5000



537 East Pete Rose Way, Suite 400, Cincinnati, OH 45202 T: 513.542.3300

1400 W Dorothy Lane, Dayton, OH 45409 T: 937.224.0861

GDRTA
PARATRANSIT
BUS GARAGE



701 Longworth Street, Dayton, OH 45402

ISSUANCES

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Author
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Client No.
634

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roject No.

BRYAN J. GREENE
LICENSE #1115372

EXPIRATION DATE 12/31/2025

LIFE SAFETY PLANS



LS002

GENERAL NOTES

- ALL EXISTING UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATION ACCORDING TO THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE REQUIRED TO FIELD LOCATE EXACT LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES PRIOR TO SETTING GRADE AND ALIGNMENT. THE CITY OF DAYTON AND THE DEPARTMENT OF WATER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR DEPTH OF THE UNDERGROUND FACILITIES SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS. IF DAMAGE IS CAUSED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF THE SAME AND FOR ANY RESULTING CONTINGENT DAMAGE. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. ALL COST FOR LOCATING, REMOVING AND REPLACING OR RELOCATING THESE UTILITIES SHALL BE INCIDENTAL TO CONSTRUCTION. ALL UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE UTILITY OWNER'S SATISFACTION. THE EXACT LOCATION OF EXISTING UTILITIES SHALL BE DETERMINED BY HAND DIGGING.
- 2. LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES, WHETHER OR NOT SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 3. WHEN UNKNOWN OR INCORRECTLY LOCATED UNDERGROUND UTILITIES ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY OWNER AND THE DEPARTMENT OF WATER.
- 4. ALL WORK SHALL CONFORM TO THE CITY OF DAYTON, CONSTRUCTION AND MATERIAL SPECIFICATIONS (LATEST EDITION).
- 5. NO CONSTRUCTION SHALL COMMENCE UNTIL CITY OF DAYTON PERMITS HAVE BEEN ISSUED AS REQUIRED.
- 6. ALL PROJECT ORDERS (FIELD OR OFFICE), REQUESTS, CHANGES, ADDITIONS OR DELETIONS PERTAINING TO PUBLIC WATER MAIN, STORM SEWER, AND SANITARY SEWER FACILITIES SHALL BE ONLY BY DIRECTION OR REQUEST OF THE DEPARTMENT OF WATER.
- THE CONTRACTOR SHALL NOTIFY RESIDENTS AND BUSINESSES AFFECTED BY STREET CLOSURES A MINIMUM OF 48 HOURS IN ADVANCE OF THE ACTUAL STREET CLOSING.
- ROADWAY RESTORATION WITHIN THE CITY OF DAYTON CORPORATION LIMITS SHALL BE DONE IN COMPLIANCE WITH THE DEPARTMENT OF PUBLIC WORKS "RULES AND REGULATIONS FOR MAKING OPENINGS IN A PUBLIC WAY" (LATEST EDITION).
- 9. FORTY-EIGHT HOURS PRIOR TO ANY CONSTRUCTION, EXCAVATION OR DIGGING, THE CONTRACTOR SHALL CALL AND NOTIFY THE OHIO UTILITIES PROTECTION SERVICES (OUPS) AT 1-800-362-2764. ALL OTHER AGENCIES, WHICH MIGHT HAVE UNDERGROUND UTILITIES IN THIS AREA AND ARE NOT MEMBERS OF OUPS, SHALL BE NOTIFIED DIRECTLY BY THE CONTRACTOR.
- 10. APPROVAL OF PLANS BY THE DEPARTMENT OF WATER DOES NOT RELIEVE THE DESIGNER, OWNER, OR PERSON IN CONTROL OF THE PROPERTY FROM LIABILITY FOR INJURY TO PERSONS OR PROPERTY.
- 11. APPROVAL OF THE PLANS SHALL BECOME VOID IF CONSTRUCTION HAS NOT COMMENCED WITHIN TWELVE (12) MONTHS FROM THE DATE APPROVED BY THE DEPARTMENT OF WATER. IN ADDITION, THE PLANS SHALL BECOME VOID IF CONSTRUCTION IS NOT COMPLETED WITHIN TWO (2) YEARS FROM THE DATE APPROVED BY THE DEPARTMENT OF WATER.
- 12. ALL FILLS (INCLUDING TRENCH BEDDING AND BACKFILL) INTENDED TO SUPPORT A WATER MAIN, SANITARY SEWER, STORM SEWER OR DRAINAGE CHANNEL SHALL BE COMPACTED TO NOT LESS THAN 90% MAXIMUM DENSITY (MODIFIED PROCTOR TEST ASTM D1557), UNLESS OTHERWISE NOTED. FIELD VERIFICATION AND FORMAL RESULT SUBMITTALS MAY BE REQUESTED (AS NECESSARY) BY THE DEPARTMENT OF WATER.
- 13. IN ADDITION TO THE NOTES ON THIS SHEET, CONTRACTOR'S ATTENTION SHALL BE DIRECTED TO THE NOTES ON THE ATTACHED SHEETS AS WELL.
- 14. COMPACTED FILLS ARE TO BE MADE TO A MINIMUM OF THREE FEET ABOVE THE CROWN OF ANY PROPOSED WATER LINE, SANITARY OR STORM SEWER LINES PRIOR TO CUTTING OF TRENCHES FOR PLACEMENT OF SAID LINES. ALL FILLS SHALL BE CONTROLLED, COMPACTED AND INSPECTED.

WATER AND SANITARY LINE NOTES

- 1. THE CONTRACTOR SHALL CONTACT THE CITY OF DAYTON, DEPARTMENT OF WATER, CONSTRUCTION INSPECTION, 320 WEST MONUMENT AVENUE, DAYTON, OHIO 45402, AT (937)-333-3725 PRIOR TO BEGINNING WORK.
- 2. ALL TAPS TO EXISTING WATER MAINS WILL BE MADE BY THE CITY OF DAYTON AT THE CONTRACTOR'S EXPENSE. THIS WORK WILL INCLUDE FURNISHING AND INSTALLING THE TAPPING SLEEVE AND VALVE AND MAKING THE TAP. ALL OTHER WORK INCLUDING EXCAVATION, BACKFILL, AND RESTORATION OVER THE TAPPED MAIN SHALL BE BY THE CONTRACTOR. NO TAPS OR SERVICES ON MONDAY OR FRIDAY. CONTRACTOR SHALL PROVIDE SHORING AS REQUIRED BY WATER DISTRIBUTION TO ENTER THE HOLE TO PLACE THE TAP. CONTACT WATER ENGINEERING AT (937) 333-3725.
- 3. WITHIN THE PUBLIC RIGHT-OF-WAY, ALL LATERALS TO EXISTING SANITARY SEWERS WILL BE INSTALLED BY THE CITY OF DAYTON AT THE CONTRACTOR'S EXPENSE. THIS WORK WILL INCLUDE FURNISHING AND INSTALLING THE FITTINGS AND MAKING THE CONNECTION. ALL WORK INCLUDING EXCAVATION, BACKFILL, AND RESTORATION SHALL BE BY THE CONTRACTOR. CONTACT WATER ENGINEERING (937) 333-3725.
- CONTACT CHRIS HOLMES AT 937-333-3725 OR CHRIS.HOLMES@DAYTONOHIO.GOV FOR ESTIMATES AND TO SET UP WORK ORDERS FOR WATER AND SANITARY UTILITY CONNECTIONS AND PLUGS.

UTILITY CONTACTS

AES Ohio	Contact:
1900 Dryden Road	
Dayton, OH 45439	Phone: 937.331.4860
Gas	•
CenterPoint Energy	Contact:
P.O. Box 209	Phone: 937.491.4000
Evansville, IN 47702	Phone: 800.227.1376
Water	
City of Dayton	Contact:
320 W. Monument Avenue	
Dayton, OH 45402	Phone: 937.333.3725
Sanitary Sewer	
City of Dayton	Contact:
320 W. Monument Avenue	
Dayton, OH 45402	Phone: 937.333.3725
Storm Sewer	
City of Dayton	Contact:
320 W. Monument Avenue	
Dayton, OH 45402	Phone: 937.333.3725





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GDRTA PARATRANSIT BUS GARAGE



701 Longworth Street,

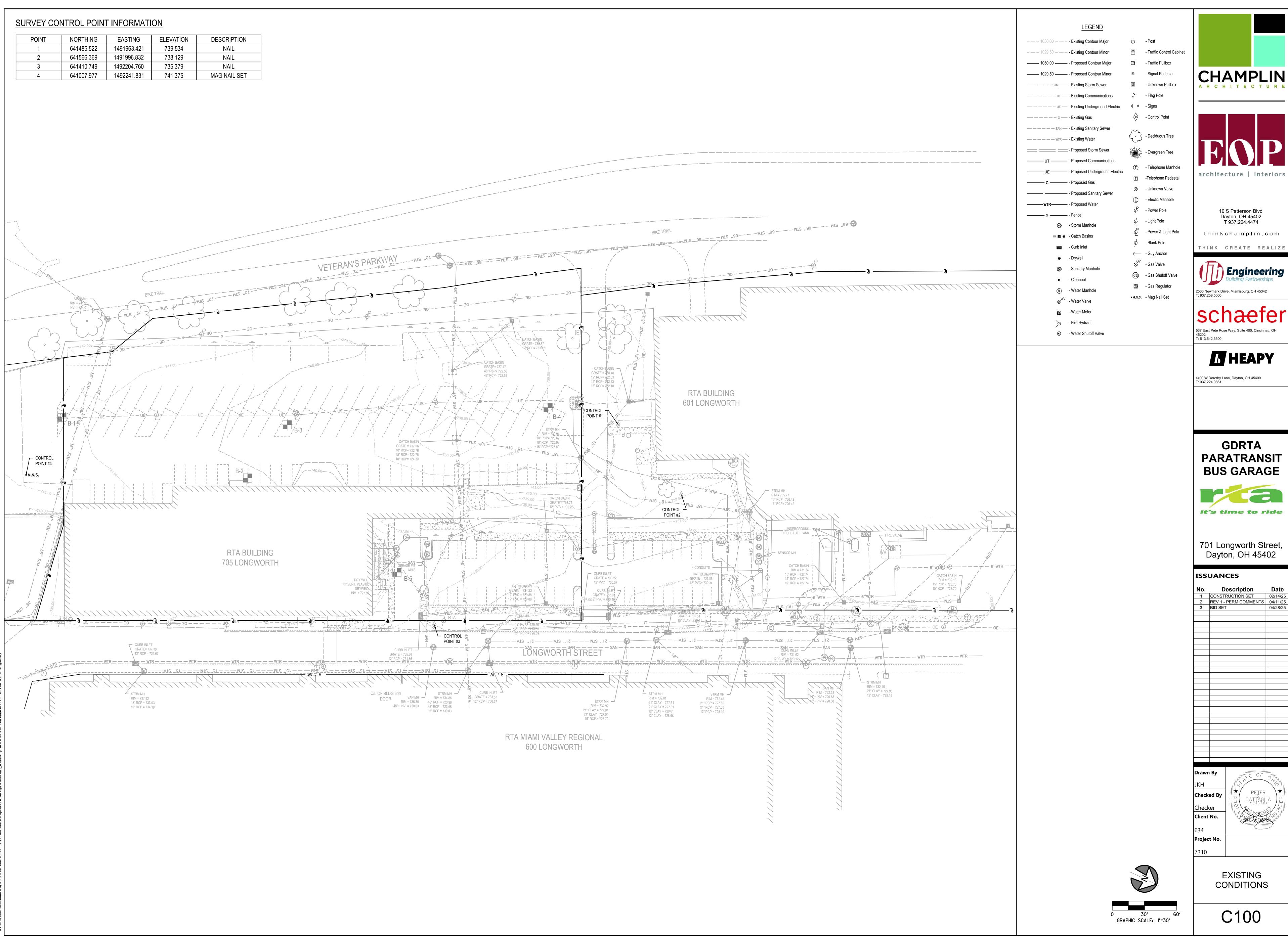
Dayton, OH 45402 **ISSUANCES**

No. Description

1 CONSTRUCTION SET 02/14/25

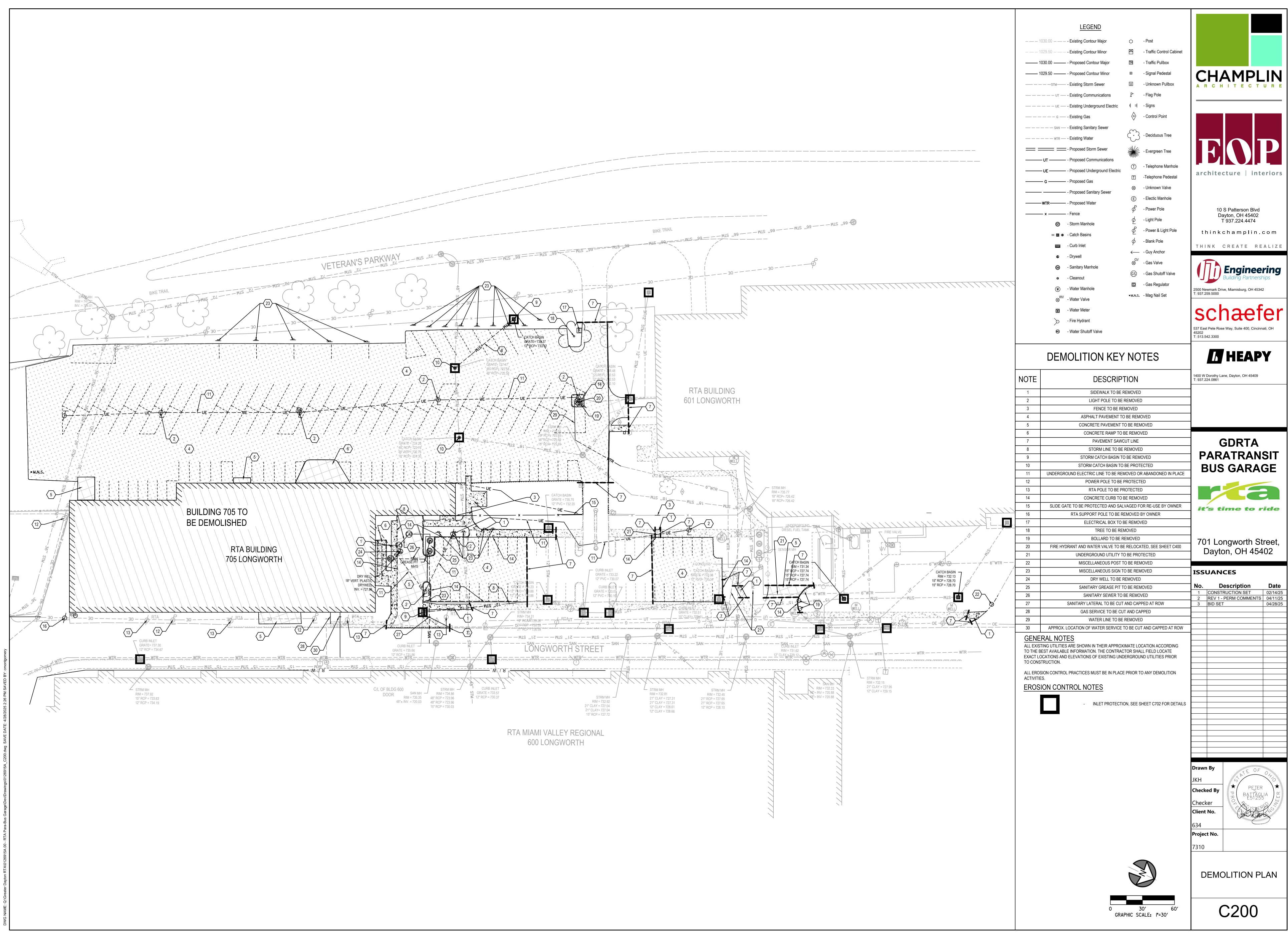
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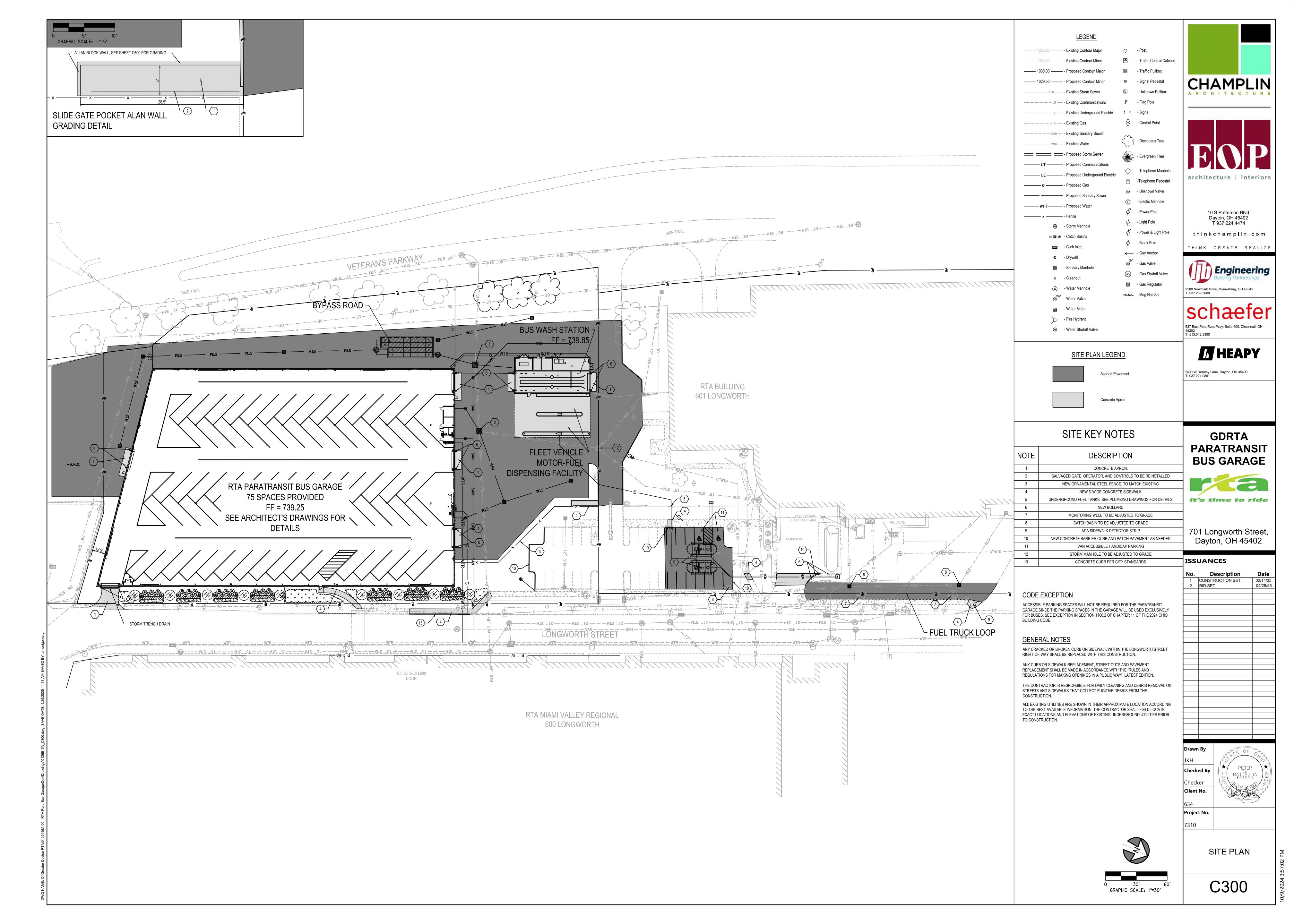
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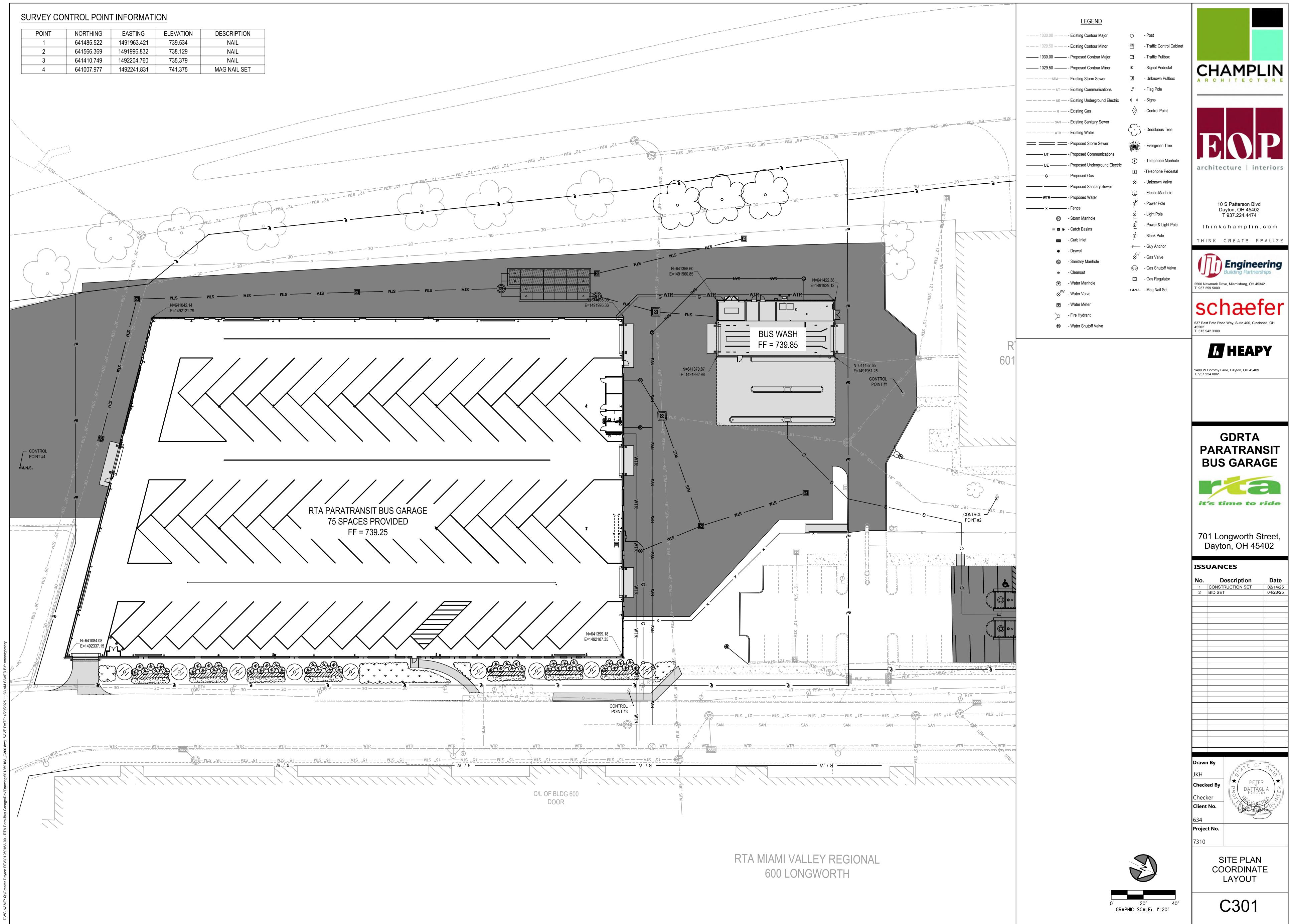


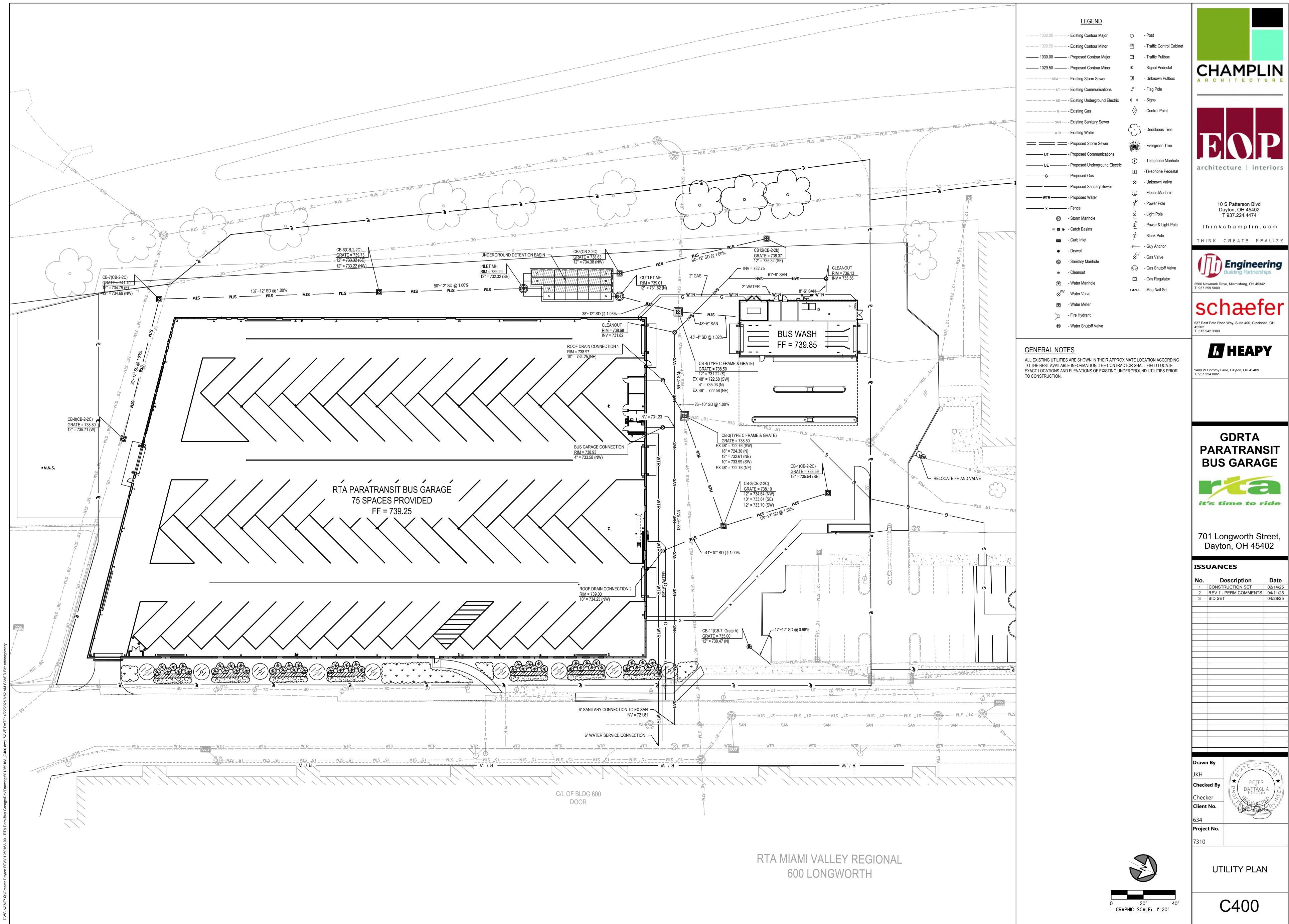
CHAMPLIN

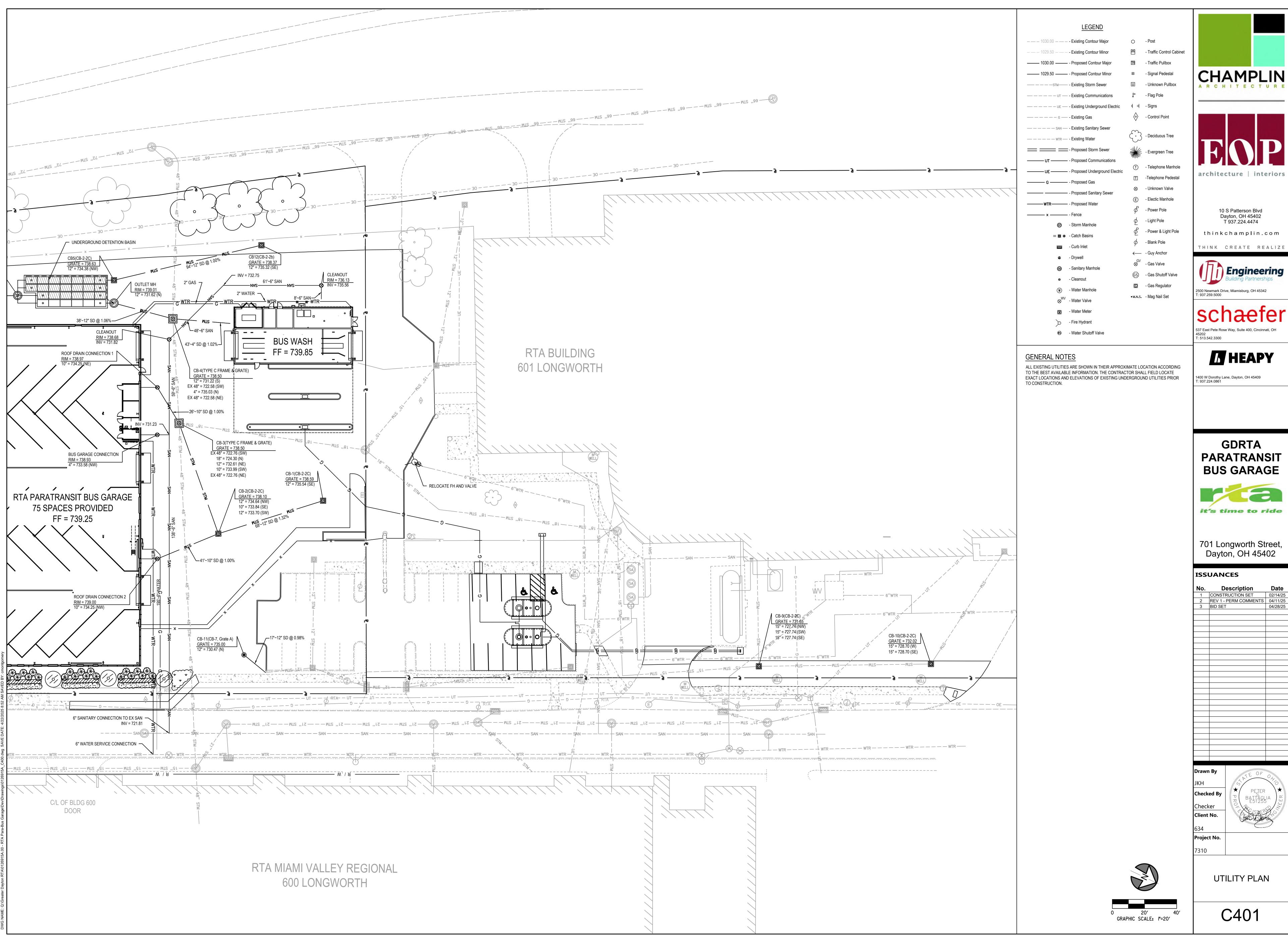


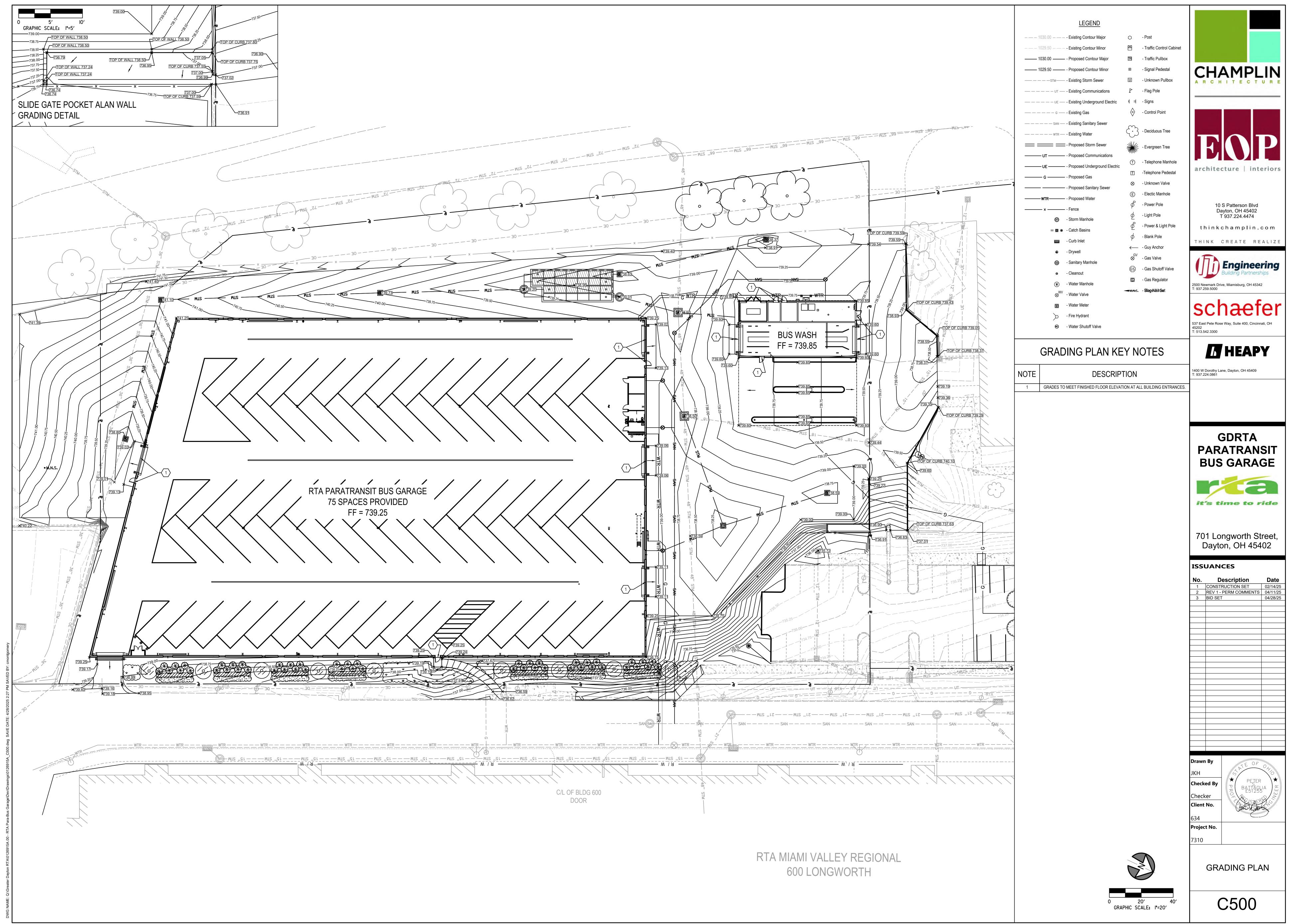


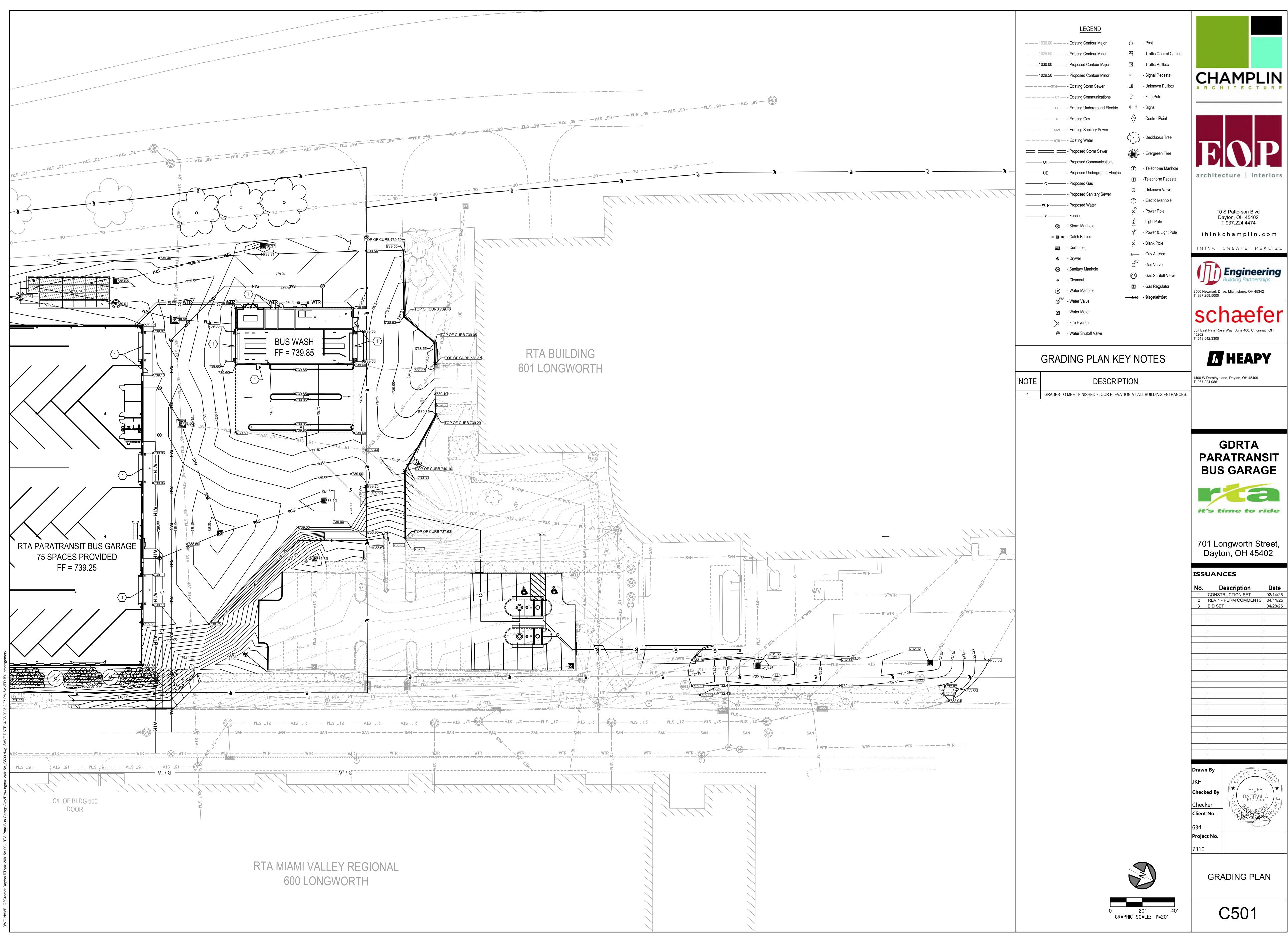




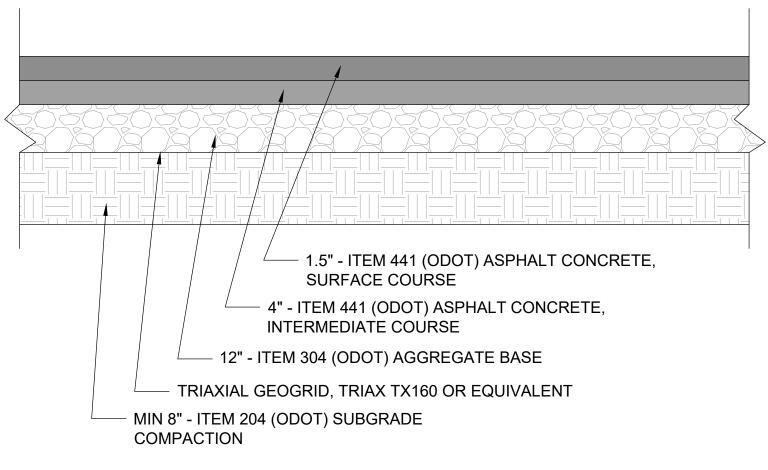








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ASPHALT PAVEMENT DETAIL

NOT TO SCALE

NOTE:

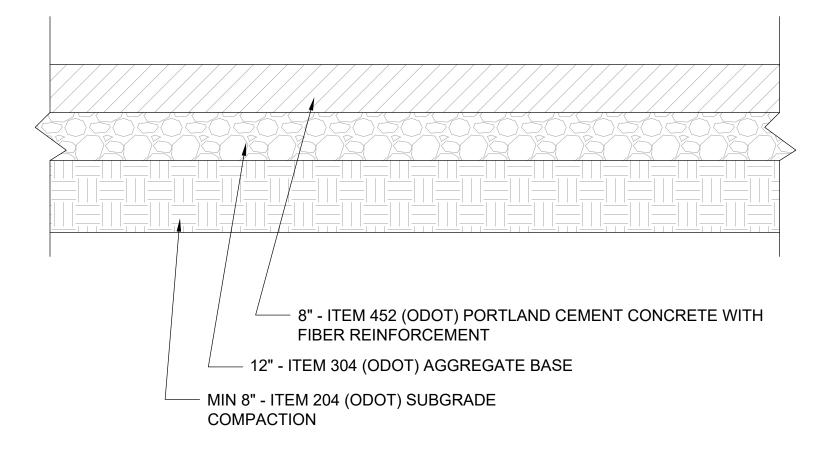
Grate —

2'-0"

- Place backfill and fill soil materials in layers not more than 8 inches (200 mm) in loose depth for material compacted by heavy compaction equipment and not more than 4 inches (100 mm) in loose depth for material compacted by hand-operated tampers.
- Place backfill and fill soil materials evenly on all sides of structures to required elevations and uniformly along the full length of each structure.
- Compact soil materials to not less than the following percentages of maximum dry unit weight according to ASTM D698.
- Prior to placement of pavement or aggregate base, scarify and recompact top 8 inches (300 mm) of existing clayey subgrade and each layer of backfill or fill soil material to a minimum 98 percent of standard Proctor maximum dry density.

Flowline

Flowline



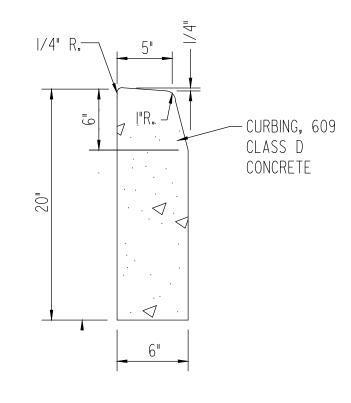
CONCRETE APRON DETAIL

NOTE:

• Place backfill and fill soil materials in layers not more than 8 inches (200 mm) in loose depth for material compacted by heavy compaction equipment and not more than 4 inches (100 mm) in loose depth for material compacted by hand-operated tampers.

NOT TO SCALE

- Place backfill and fill soil materials evenly on all sides of structures to required elevations and uniformly along the full length of each structure.
- Compact soil materials to not less than the following percentages of maximum dry unit weight according to ASTM D 1557.
- Under structures, building slabs, steps, and pavements, scarify and recompact top 12 inches (300 mm) of existing subgrade and each layer of backfill or fill soil material at 98 percent.
- Fiber Reinforcement: ASTM C1116/C1116M.1. Acceptable Fibrous Reinforcement Materials: Polypropylene fiber. Polypropylene Fiber type: 100 percent collated fibrillated polypropylene fibers with an average length of 3/4 inch, a minimum specific gravity of 0.9, and a minimum tensile strength of 80 ksi. Polypropylene fibers shall be added to the concrete mix at a rate of 1-1/2 pounds per cubic yard.

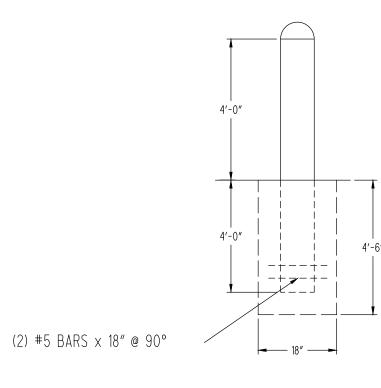


CONCRETE BARRIER CURB NOT TO SCALE

SLOPE 3 TO 1

UP OR DOWN

AS REQUIRED -



BOLLARD DETAIL NOT TO SCALE

8" SCHEDULE 40 GALV. PIPE x 8' LONG FILLED WITH CONCRETE, WITH SHAPED CONCRETE CAP, AND EMBEDED IN 3000 PSI CONCRETE BASE

ELEVATION OF BACK OF SIDEWALK

IS EQUAL TO 1/2" PER 1'-0"

ABOVE TOP OF CURB





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M HEAPY

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GDRTA PARATRANSIT BUS GARAGE



701 Longworth Street, Dayton, OH 45402

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No.		Date
1	CONSTRUCTION SET	02/14/25
2	BID SET	04/28/25
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Drawn By

DETAILS

C600

CB-2-2B GRATE: Furnish a design essentially the same and equally as strong as the one shown (see Construction Information table), or meet the requirements of CMS 711.14. Provide grate openings and dimensions as shown here unless otherwise shown in the plans.

On cast-in-place and precast units, provide a level surface on the catch basin 4" below the plan grate elevation for setting the frame and grate assembly. Provide a concrete apron to encase and secure the frame of a width not less than the thickness of the catch basin walls that the frame was placed on or as shown in the plans. Slope apron to provide local depression.

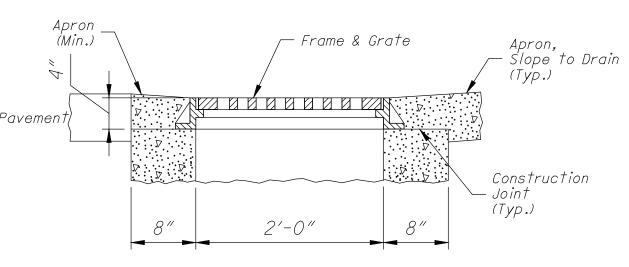
Print text in bold, capital letters at least 1/2" high. "WATERWAY" may be substituted with "STREAM", "RIVER", "LAKE", etc. Actual placement

WALLS: Construct brick or cast-in-place walls with a nominal 8" thickness. Provide precast walls at least 6" thick with sufficient reinforcing to permit shipping and handling without damage.

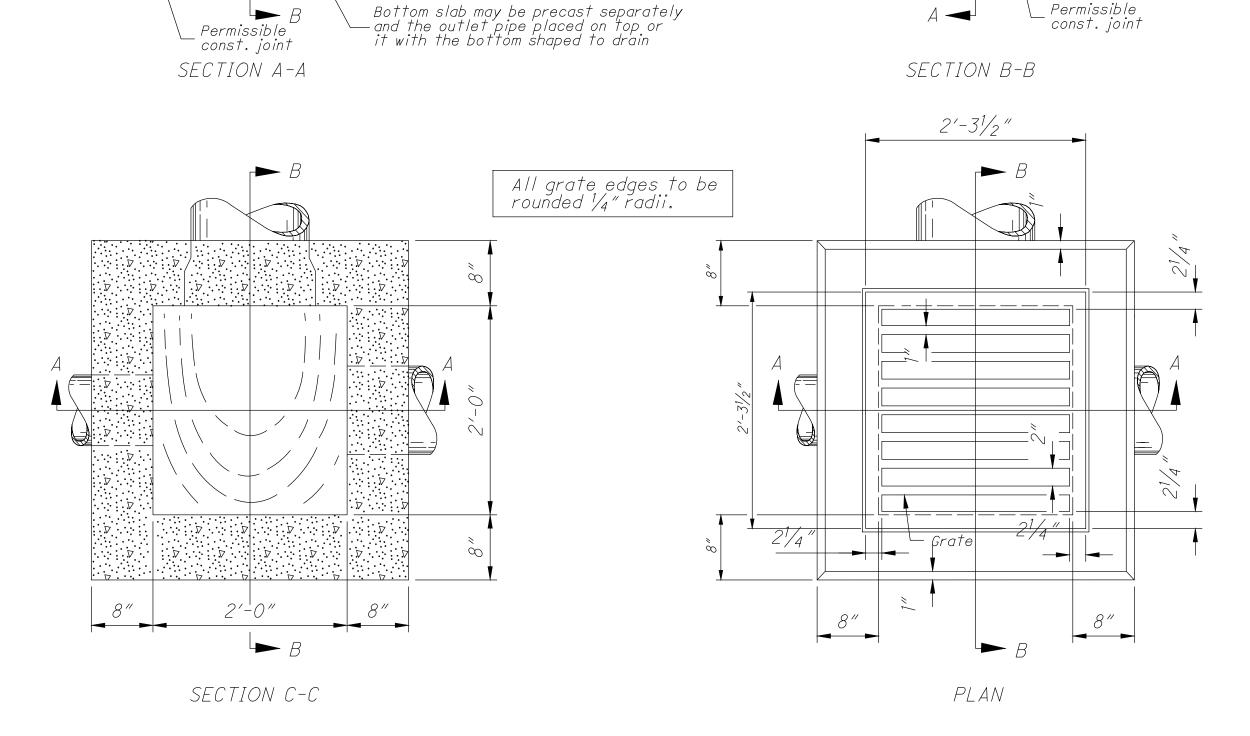
LOCATION AND ELEVATION: When given on the plans, location and elevation are at the top center of the grate.

MINIMUM DEPTH: The minimum depth of CB No. 2-2B is the outside diameter (O.D.) of the outlet pipe plus 4". The minimum depth of CB No. 2-2C is the outside diameter (O.D.) of the outlet pipe plus 8".

CONSTRUCTION INFORMATION



CATCH BASIN No. 2-2C



CATCH BASIN No. 2-2B

CATCH BASIN	OUTLET PIPE SIZE
2-2A	12" to 21"
2-2B	12" to 21"
2-2C	12" to 21"

CATCH BASIN No. 2-2A,B, & C NOT TO SCALE

 $A \longrightarrow$

Permissible

CATCH BASINS 2-2A, 2-2B & 2-2C: This sheet depicts Catch Basin 2-2B & 2-2C. See Sheet 1 of 2 for Catch Basin 2-2A. If necessary, bicycle safe grates will be specified in the plans. Furnish Neenah No. R-4859-S or EJ No. 5110M3 (00511043) grates or approved equals. Place grate elevation 4" to 6" below normal ditch and return to normal 10' to 15' each side of inlet.

CB-2-2C FRAME & GRATE: Where the catch basin is specified for use in a parking lot, Furnish Neenah No. R-1878-A5G or EJ No. V-5622 (45622010) frame and V-5622 (45622030) grate or approved equals. If necessary, bicycle safe grates will be specified in the plans. Furnish Neenah No. R-3405 grate or EJ No. 5250M (00525031) grate or approved equals.

GRATE TEXT: Cast the following text into the top of the grate: "DRAINS TO WATERWAY" and "DUMP NO WASTE"

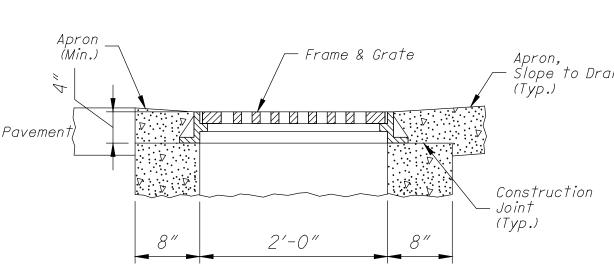
and logo may vary per manufácturer.

CONCRETE: Use 4000 psi compressive strength for cast-in-place concrete. Meet the requirements of CMS 706.13 for all precast concrete and mark with the catch basin number.

PRECAST BASE: If a precast base is used, set it deep enough so that the top can be placed on the base to provide the grate elevation specified in the plans. Do not use brick layers to adjust the top

OPENINGS: Ensure pipe openings are the O.D. of the pipe being supplied plus 2" when fabricated or field cut. Fill any voids per C&MS 611. PAYMENT: All materials and labor, including excavation and backfilling, are paid for under Item 611 - Catch Basin, No. 2-(2B or 2C).

Minimum weight of grate, 120 lbs.

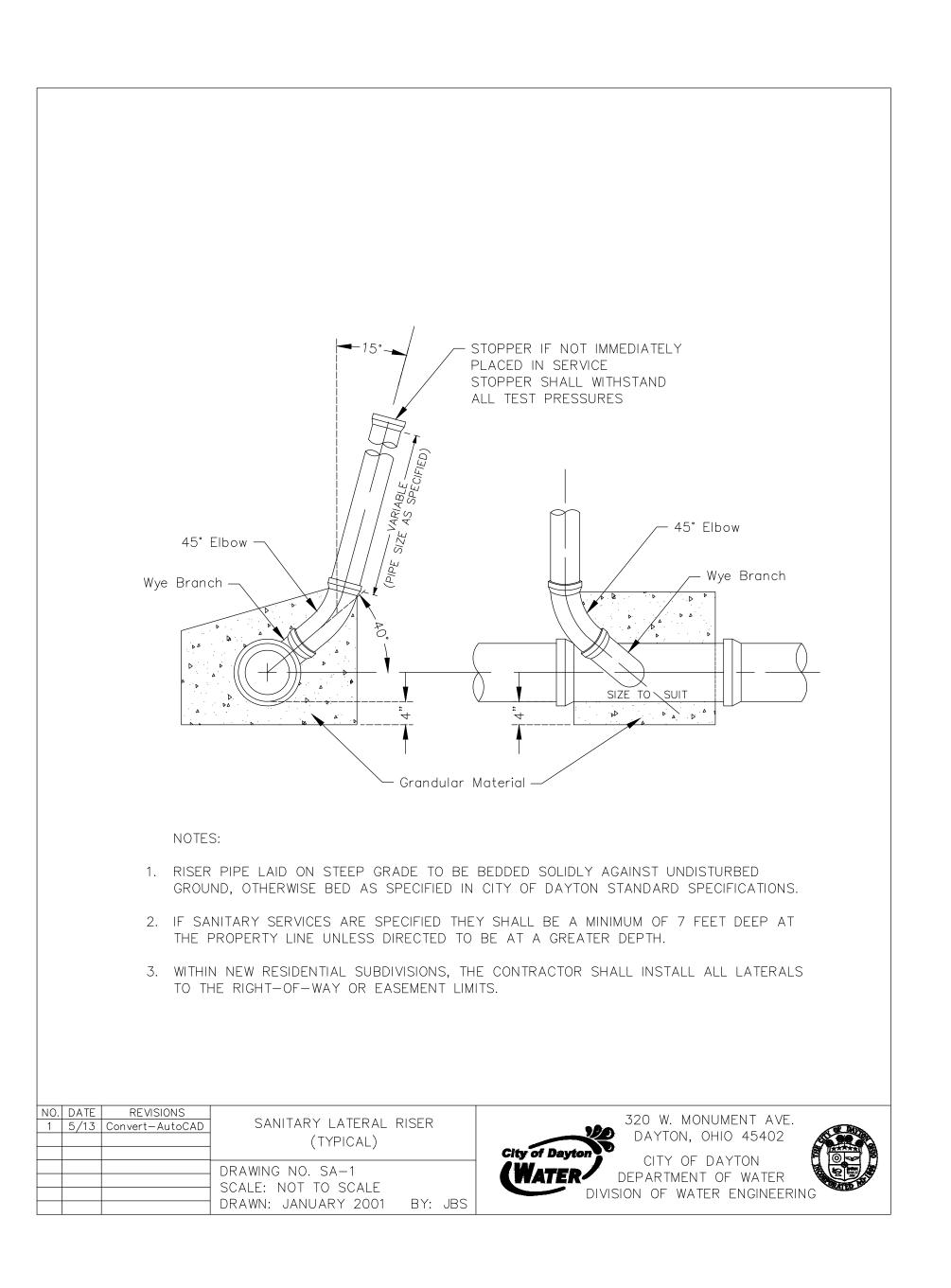


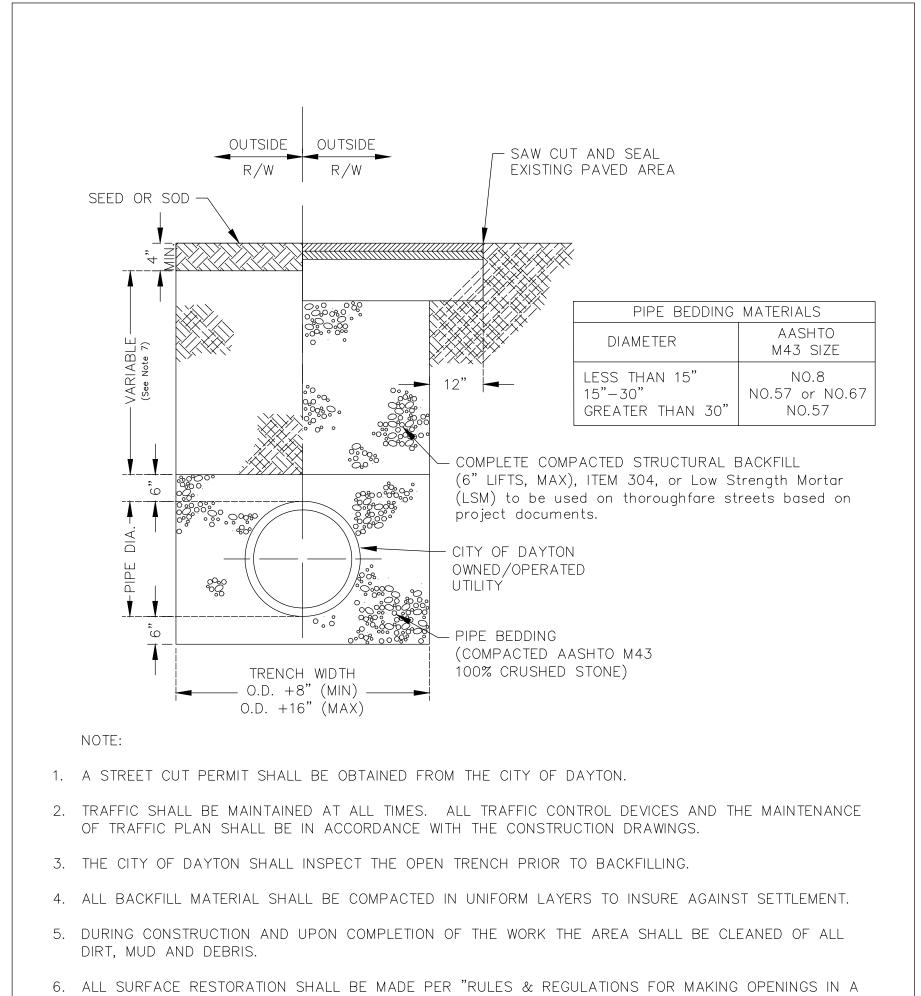
FLOATED FINISH CONCRETE WALK, 608, VARIABLE CLASS D CONCRETE (LAWN SPACE) VARIABLE (SEE NOTE A) NOTE A: SECTION A-A 4'-0" OR 5'-0" WIDTH IS NORMAL FOR RESIDENTIAL DISTRICTS WIDTH VARIABLE FOR BUSINESS DISTRICTS. ←1/2" EXPANSION JOINT CONCRETE WALK, 608 CLASS D CONCRETE 1/2" EXPANSION JOINT SCORED JOINTS CONTRACTION JOINT 7 VARIABLE-(SEE NOTE A) VARIABLE-(LAWN SPACE) JOINT LOCATION 3/8" RAD.— FOR ENTIRE LENGTH OF NEW WALK 1 - 1/2" EXPANSION JOINTS ARE TO BE LOCATED AT 40' INTERVALS. 2 - CONSTRUCTION JOINTS ARE TO BE LOCATED AS DIRECTED BY THE ENGINEER. DETAIL OF SCORED JOINT IN CONCRETE

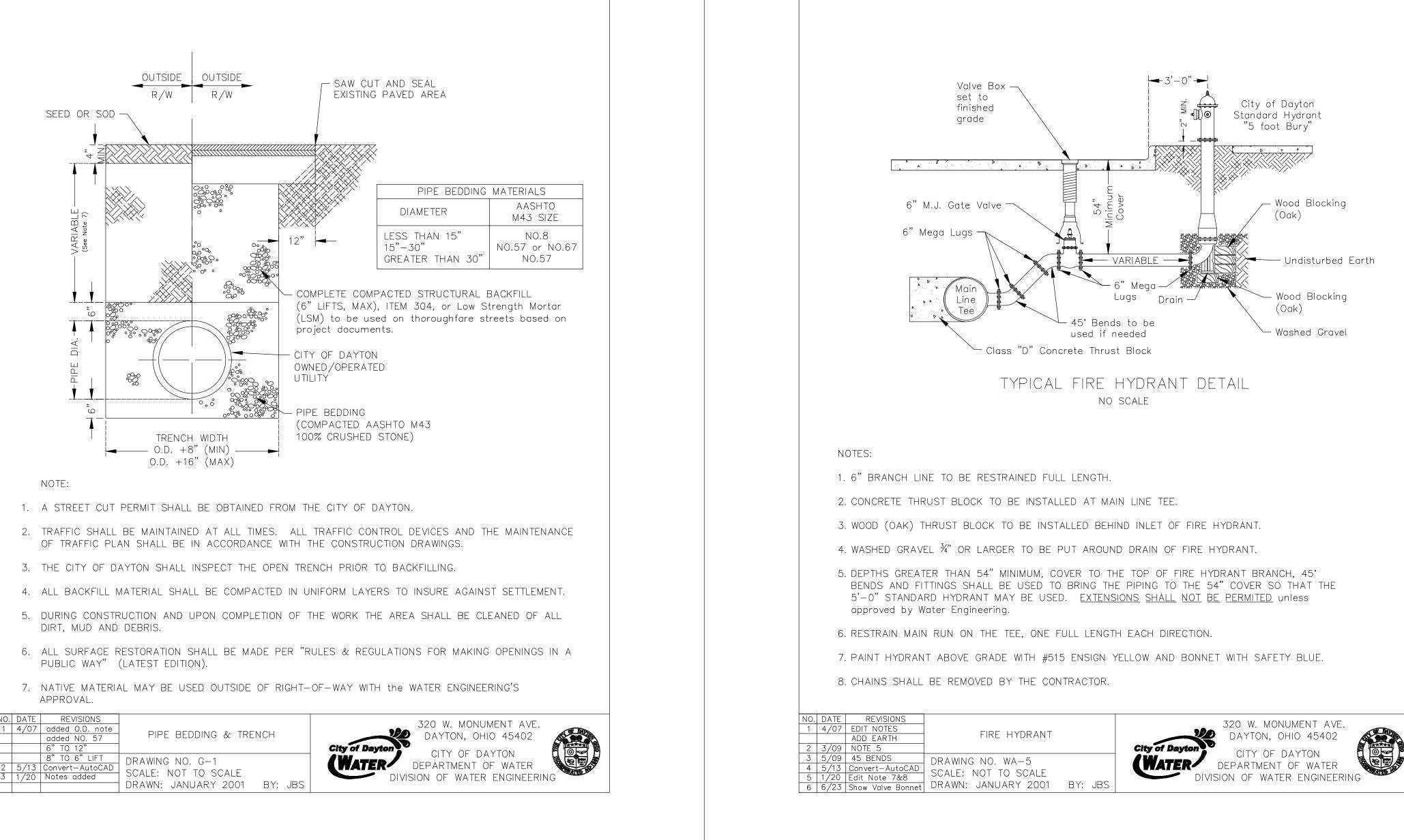
SLOPE 1/4" PER. 1'-0" —

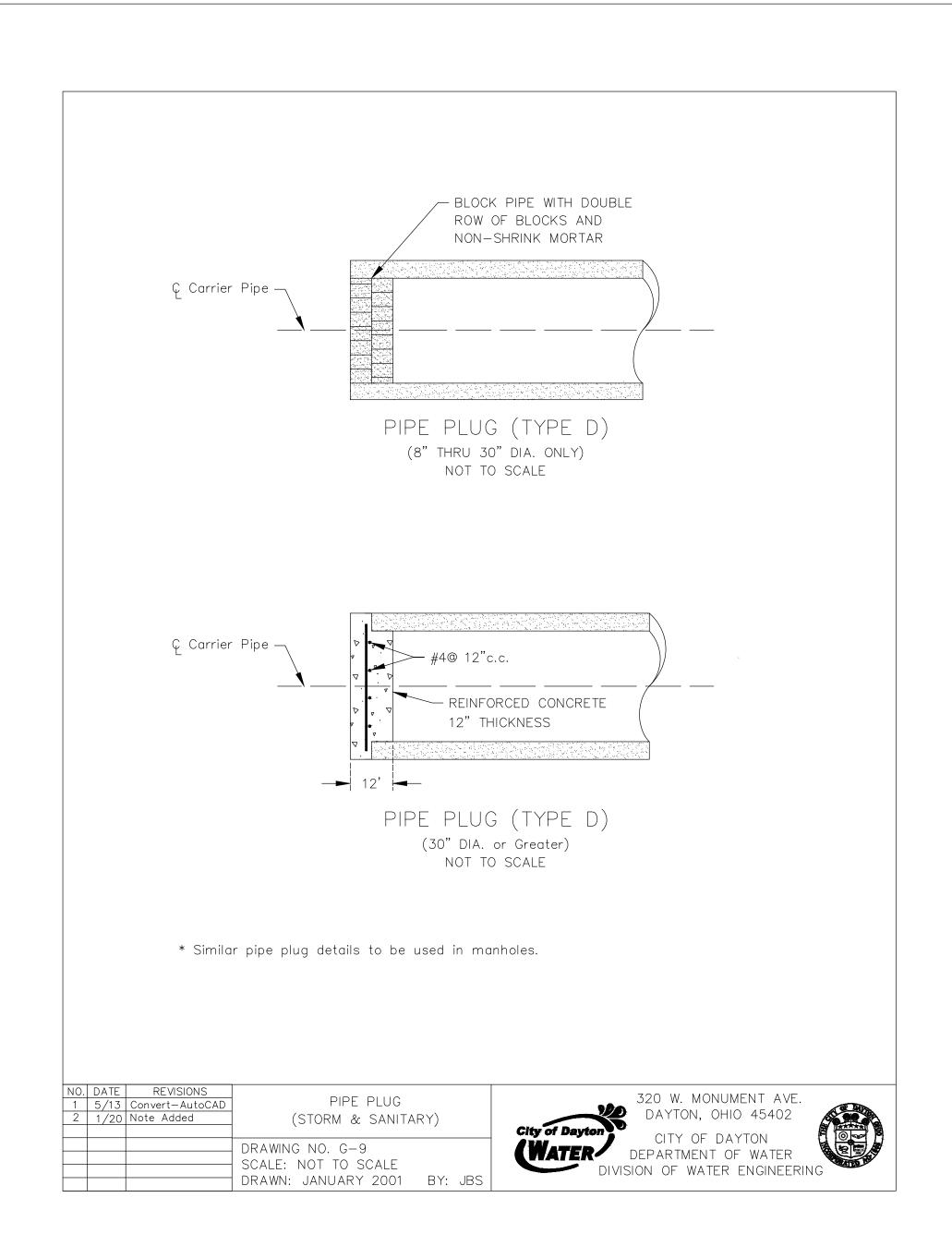
BROOM OR TROWEL

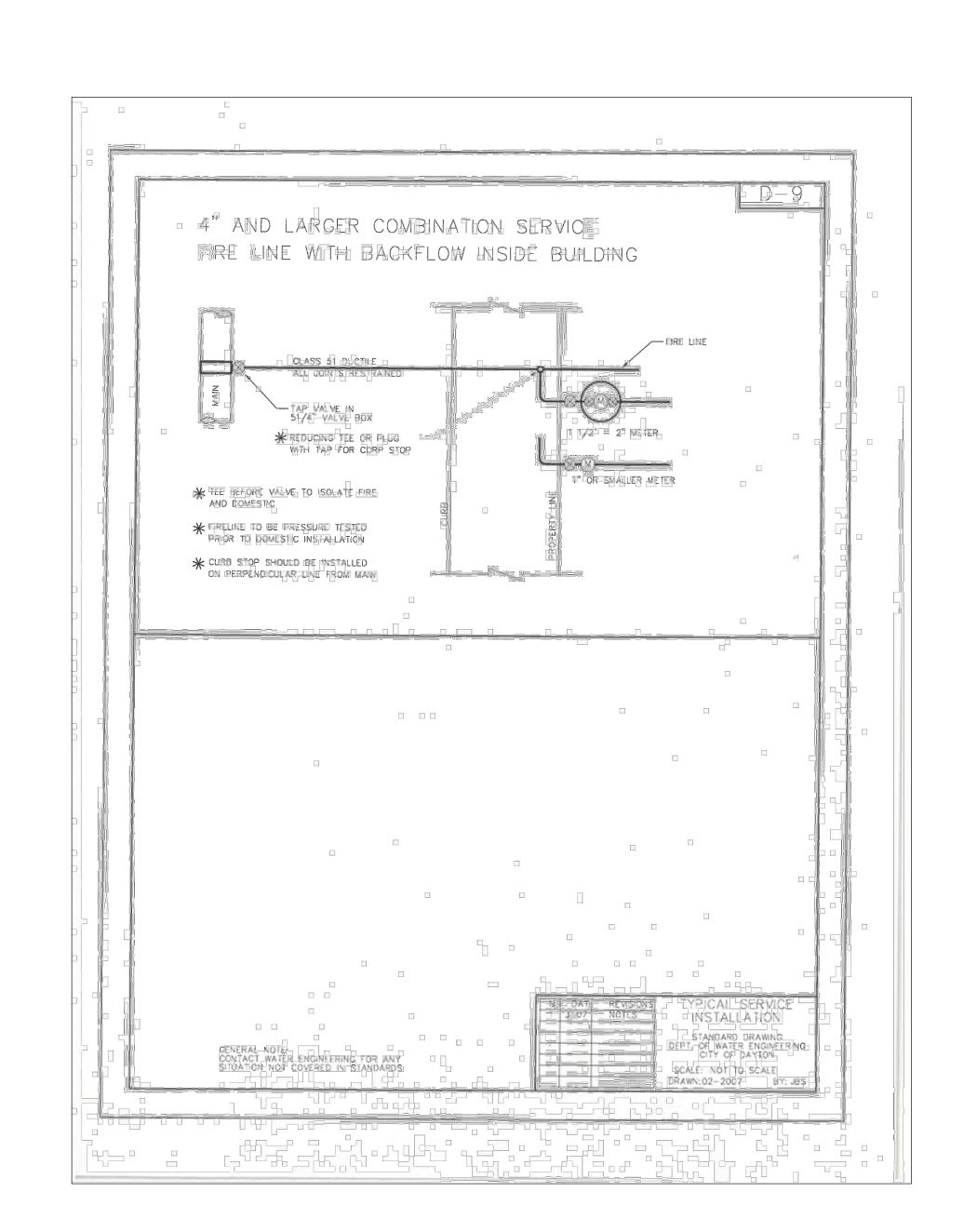
NO SCALE

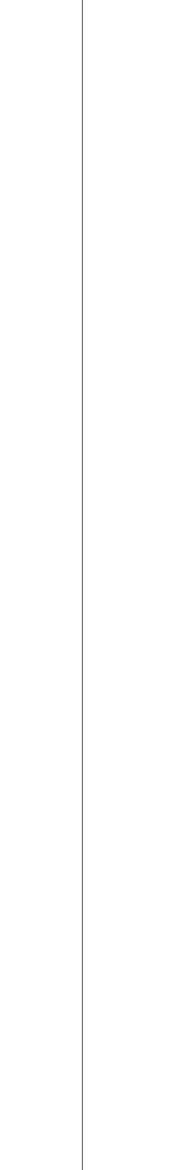












SECTION A-A

CATCH BASIN

┌─4″ BELOW NORMAL DITCH RETURNING TO NORMAL IN 10 FEET EACH SIDE OF BASIN PLAN ELEVATION SECTION B-B

GRATE A

ALL EDGES TO BE ROUNDED

1" - - - - - 2" PLAN 1 3/4" - 2" ELEVATION

GRATE B

CARE SHALL BE TAKEN BY THE FIELD ENGINEER IN THE PLACING OF THIS TYPE CATCH BASIN. SPECIAL NOTE SHALL BE GIVEN TO THE GRADE ELEVATION OF DRAIN PIPE AND WHEN FINISHED, THE CATCH BASIN SHALL STAND IN TRUE VERTICAL POSITION.

NO CUTTING OF HOLES IN SIDE OF PIPE WILL BE PERMITTED.

CASTING SHALL MEET THE REQUIREMENTS OF 604. THE DESIGN SHALL BE ESSENTIALLY THE SAME AND EQUALLY AS STRONG AS THE ONE SHOWN HEREON. WEIGHT: 70 POUNDS MINIMUM. RISER PIPE IN ALL CASES SHALL BE 18" IN DIAMETER REGARDLESS OF SIZE OF CARRYING LINE.

WHERE CARRYING LINE IS NOT CONTINUOUS THRU CATCH BASIN, THE UPSTREAM OPENING OF THE CROSS SHALL BE PROPERLY PLUGGED USING VITRIFIED OR CONCRETE STOPPER AND SEALED JOINT. RISER AND CROSS SHALL BE CONSTRUCTED OF STANDARD STRENGTH VITRIFIED CLAY PIPE OR STANDARD STRENGHT NON-REINFORCED CONCRETE PIPE, BELL AND SPIGOT PIPE ONLY. CONCRETE BASE TO BE

ALL EDGES TO BE ROUNDED1/4" RADIUS.

STANDARD No.7 SIDE DITCH CATCH BASIN NOT TO SCALE







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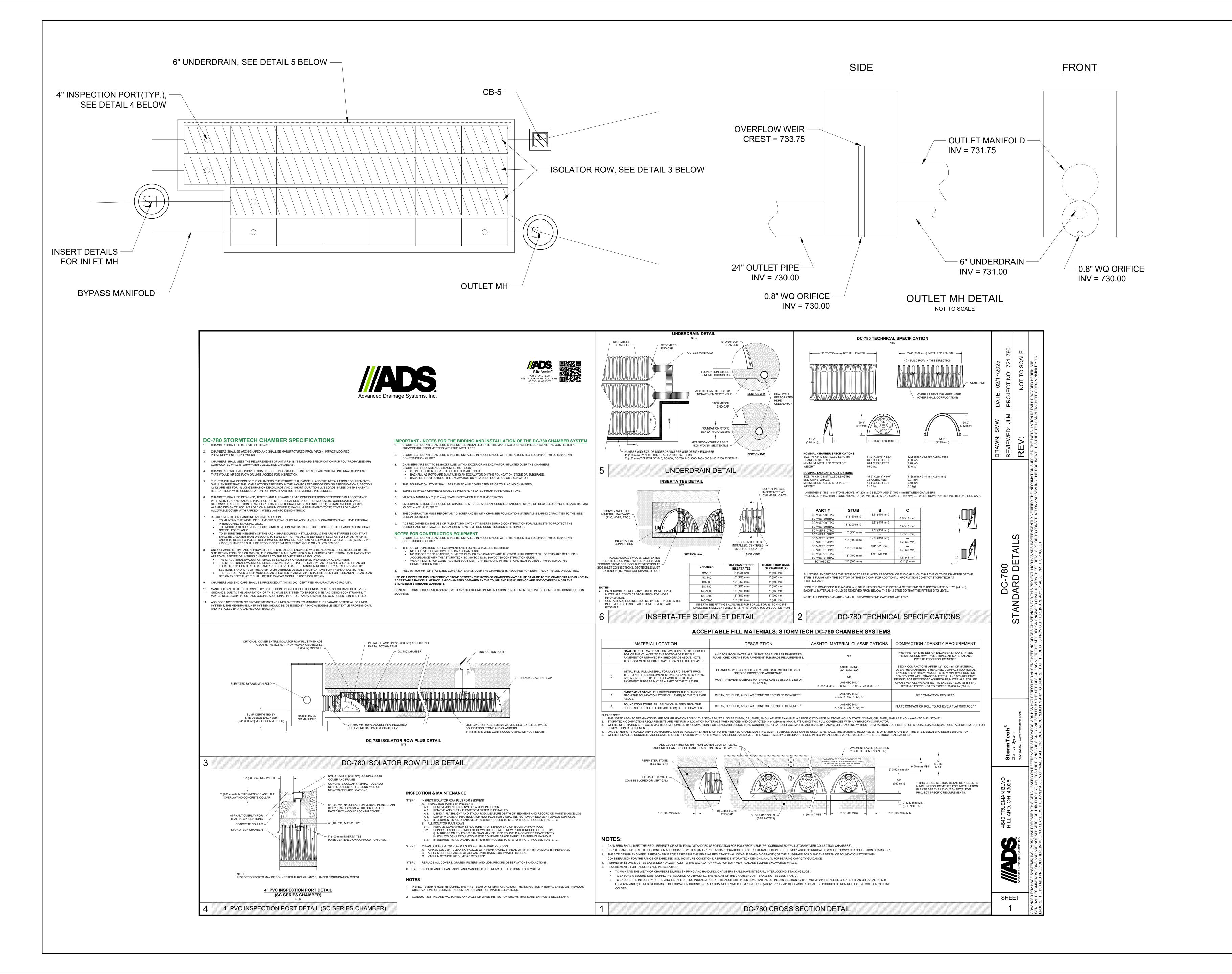
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Project No.

DETAILS

C601



CHAMPLIN



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Dayton, OH 45402
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537 East Pete Rose Way, Suite 400, Cincinnati, OH

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GDRTA
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BUS GARAGE

it's time to ride

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No. Description Date

1 CONSTRUCTION SET 02/14/25
2 REV 1 - PERM COMMENTS 04/11/25
3 BID SET 04/28/25

Drawn By

JKH

Checked By

Checker

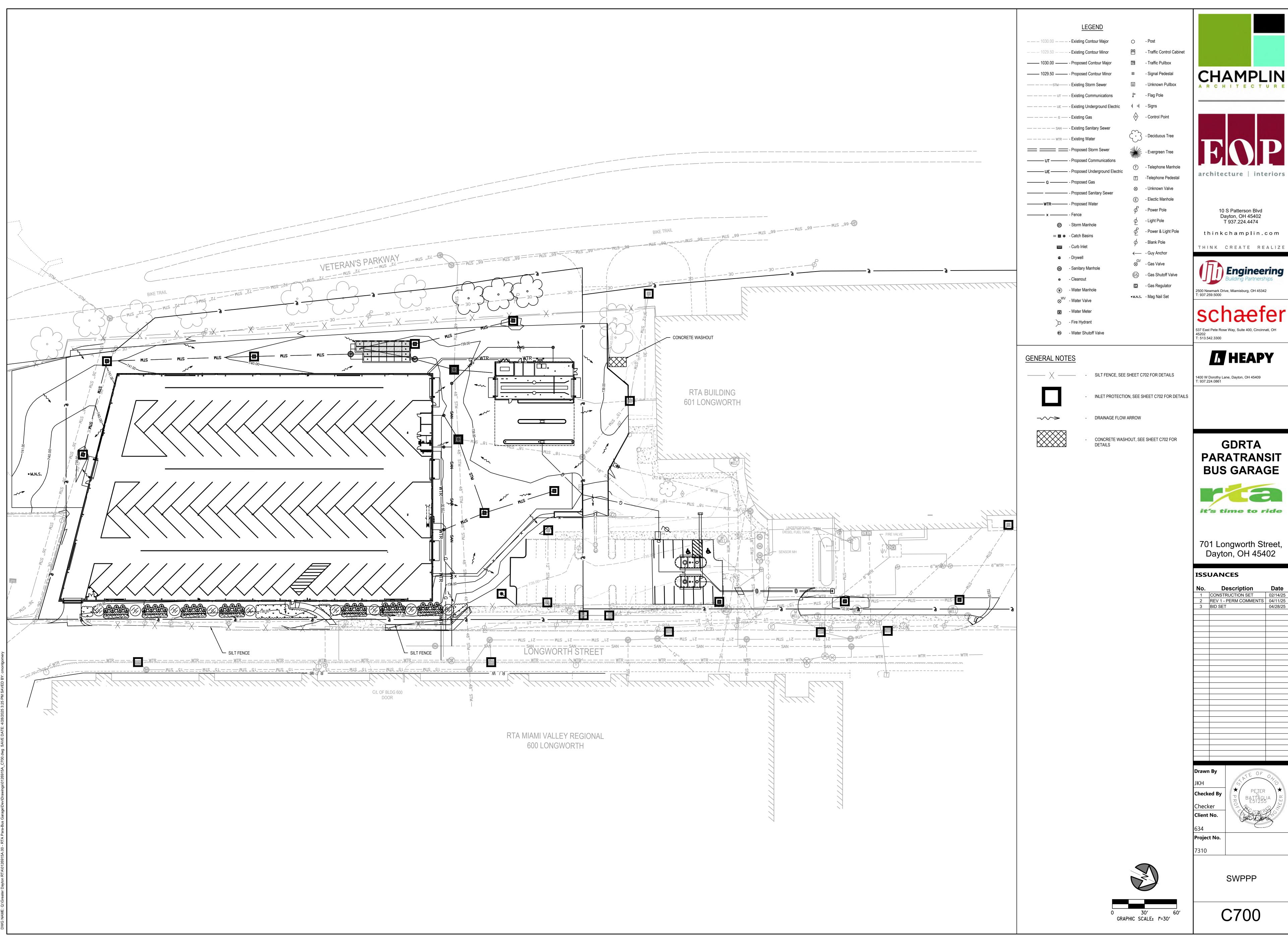
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Description	Date
CONSTRUCTION SET	02/14/25
REV 1 - PERM COMMENTS	04/11/25
BID SET	04/28/25
	CONSTRUCTION SET REV 1 - PERM COMMENTS

SWPPP NOTES

- FORTY-EIGHT HOURS PRIOR TO ANY EARTH DISTURBING WORK, THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF WATER AT (937) 333-3739 (FIELD BUREAU).
- 2. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN, DEMOLITION. SEDIMENT CONTROL PRACTICES SHALL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTING OF SILT OFF THE SITE. ALL RUNOFF RESULTING FROM DEMOLITION OR CONSTRUCTION OPERATIONS MUST BE FILTERED BY APPROVED METHODS PRIOR TO DISCHARGING TO THE STORM SEWER SYSTEM.
- 3. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR AND REPAIRED ONCE A WEEK AND AFTER EVERY ½" OF RAIN. RECORDS OF SUCH INSPECTION SHALL BE KEPT AT THE JOB SITE AND BE AVAILABLE FOR IMMEDIATE REVIEW UPON REQUEST.
- 4. IN ADDITION TO ANY TEMPORARY EROSION, SEDIMENT, AND DEBRIS CONTROL DETAILS AND NOTES SHOWN ON THE PLANS, THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT BASINS, EARTH DIKES, TEMPORARY OR PERMANENT SEEDING, MULCHING AND/OR MULCH NETTING OR ANY OTHER GENERALLY ACCEPTED METHODS TO PREVENT EROSION, MUD AND DEBRIS FROM BEING DEPOSITED ON OTHER PROPERTY, ON NEWLY CONSTRUCTED OR EXISTING ROADS, OR INTO EXISTING SEWERS OR NEW SEWERS WITHIN THE DEVELOPMENT.
- 5. ALL GROUND SURFACE AREAS THAT HAVE BEEN EXPOSED OR LEFT BARE AS A RESULT OF CONSTRUCTION AND ARE TO FINAL GRADE AND ARE TO REMAIN SO SHALL BE SEEDED AND MULCHED AS SOON AS PRACTICAL. DISTURBED AREAS THAT LIE DORMANT FOR 21 DAYS OR MORE SHALL BE SEEDED OR PROTECTED WITHIN 7 CALENDAR DAYS OF THE DISTURBANCE. OTHER SEDIMENT CONTROLS THAT ARE INSTALLED SHALL BE MAINTAINED UNTIL VEGETATIVE GROWTH HAS BEEN ESTABLISHED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY SEDIMENT DEVICES AT THE CONCLUSION OF CONSTRUCTION BUT NOT BEFORE GROWTH OF PERMANENT GROUND COVER.
- 6. UNTIL IMPROVEMENTS IN THE DEVELOPMENT HAVE BEEN COMPLETED, THE CONTRACTOR SHALL TAKE SUCH MEASURES AS ARE NECESSARY TO PREVENT EROSION OF GRADED SURFACES ONTO ROADWAYS, INTO DRAINAGE COURSES, STORM SEWERS, OR ONTO ADJOINING LAND. FOR ANY EARTH DISTURBANCE OR ANY DEVELOPMENT APPROVED BY THE DEPARTMENT OF WATER, THE CONTRACTOR SHALL CLEAN ANY MUD OR DEBRIS DEPOSITED ON ROADWAYS, DRAINAGE COURSES, OR ADJOINING PROPERTY WHEN THE MUD AND DEBRIS ORIGINATES FROM THE EARTH MOVING OPERATIONS.
- 7. ALL MUD/DIRT TRACKED ONTO ROADS FROM THE SITE, DUE TO CONSTRUCTION, SHALL BE PROMPTLY (WITHIN 24 HOURS) REMOVED.
- 8. FOR DEVELOPMENT SITES, EROSION CONTROL MEASURES SHALL BE ENFORCED ON INDIVIDUAL OR RESIDENTIAL LOTS. THIS SHALL INCLUDE A CONSTRUCTION ENTRANCE (REFER TO DETAIL ER-8) AND SILT FENCE ACROSS THE FRONTAGE OF EACH PROPERTY AND A TEMPORARY DIVERSION DITCH ON EACH LOT.
- 9. THIS PROJECT IS SUBJECT TO INSPECTION BY THE DEPARTMENT OF WATER PERSONNEL FOR COMPLIANCE WITH THE CITY'S STORM WATER ORDINANCE DURING AND AFTER CONSTRUCTION. THIS INCLUDES BUT IS NOT LIMITED TO INSPECTION OF EROSION CONTROL FACILITIES, SURFACE DRAINAGE, AND DETENTION/RETENTION FACILITIES. ADDITIONAL MEASURES MAY BE REQUIRED IF VIOLATIONS OF THE ORDINANCE OCCUR AND WATER DEPARTMENT PERSONNEL DEEM IT NECESSARY. ALL MEASURES SHALL COMPLY WITH CITY OF DAYTON STANDARDS AND "RAINWATER AND LAND DEVELOPMENT, OHIO'S STANDARD FOR STORM WATER MANAGEMENT, LAND DEVELOPMENT, AND URBAN STREAM PROTECTION", (LATEST EDITION).

SITE DESCRIPTION

THE EXISTING SITE CONSISTS OF A EXISTING BUILDING AND AN EXISTING PARKING LOT. THE SITE CURRENTLY SHEET DRAINS TO EXISTING STORM SEWER ON SITE AND ON LONGWORTH STREET. THIS STORM SEWER DRAINS INTO THE GREAT MIAMI RIVER.

LATITUDE = 39° 44' 57.06"

LONGITUDE = 84° 11' 39.22'

SCOPE AND PURPOSE

THIS PROJECT IS PROPOSING THE CREATION OF THE NEW PARATRANSIT BUS GARAGE AND BUS WASH AND A NEW FUEL PULL OFF. THIS DEVELOPMENT WILL INCLUDE THE CREATION OF A NEW GARAGE, NEW WASH BUILDING, NEW FUELING STATION, NEW PAVED ACCESS ROAD, NEW STORM SEWER, AND NEW UTILITIES.

CONSTRUCTION SEQUENCE/ SCHEDULE

- OBTAIN PLAN APPROVAL AND APPLICABLE PERMITS
- 2. LAYOUT WORK LIMITS
- 3. INSTALL SILT FENCE AND INLET PROTECTION AS SHOWN.
- 4. PERFORM DEMOLITION OF EXISTING PAVEMENT AND STRUCTURES
- 5. ROUGH GRADE
- 6. INSTALL STORM SEWER AND STRUCTURES ALONG WITH ADDITIONAL EROSION CONTROL MEASURES
- 6. INSTALL STORM SE7. INSTALL UTILITIES
- 8. CONSTRUCT PAVEMENT AND STRUCTURES
- 9. FINAL SURFACE GRADING AND PERMANENT SITE STABALIZATION

MONITORING AND MAINTENANCE GUIDELINES

A QUALIFIED INSPECTION PERSON SHALL HAVE WEEKLY INSPECTIONS TO MONITOR THE SITE DURING AND AFTER CONSTRUCTION INSPECTIONS SHALL ALSO HAPPEN WITHIN 24 HOURS OF EVERY RUNOFF PRODUCING RAINFALL OF $\frac{1}{2}$ " WITHIN A 24 HOUR PERIOD. SEDIMENT TO BE REMOVED FROM BEHIND SEDIMENT FENCE WHEN SEDIMENT IS 6" DEEP AT SILT FENCE WITHIN 3 DAYS OF INSPECTION. SEDIMENT REMOVED DURING MAINTENANCE SHALL BE DISPOSED OF ALONG SLOPES AND SEEDED AS OTHER PROPOSED AREAS. AN INSPECTION CHECKLIST SHALL BE COMPLETED AND SIGNED AFTER EVERY INSPECTION AND KEPT FOR A PERIOD OF 3 YEARS AFTER FINAL CONSTRUCTION. IF A BMP IS FOUND TO BE INOPERABLE OR MISSING, A NEW BMP SHALL BE CONSTRUCTED TO REPLACE IT WITHIN 10 DAYS OF INSPECTION.

STORMWATER CALCULATIONS

DRAINAGE CALCULATIONS AND DESIGN WAS PREFORMED UTILIZING NRCS TR55 METHODOLOGY FOR THE CALCULATION OF RUNOFF RATES AND VOLUMES FOR EACH OUTFALL ON THE SITE. NRCS TR55 METHODOLOGY WAS ALSO UTILIZED FOR THE CALCULATION OF TIME TO CONCENTRATION (TC). FOR ANY TC FOUND TO BE LESS THAN 10 MINUTES A TC OF 10 MINUTES WAS USED. THE PRE-DEVELOPED SITE WAS MODELLED WITH A COMPOSITE CURVE NUMBER OF 94 WITH A TC OF 10 MINUTES. THE POST-DEVELOPED SITE WAS MODELLED WITH A COMPOSITE CURVE NUMBER OF 93 WITH A TC OF 10 MINUTES.

THE SITE HYDROLOGIC SOIL GROUP IS TYPE B.

THERE IS NO CRITICAL STORM FOR THE SITE SINCE RUNOFF FROM PRE TO POST DEVELOPMENT IS BEING REDUCED.

THE TREATMENT OF THE WATER QUALITY WILL BE HANDLED VIA A PAIR OF UNDERGROUND DETENTION BASINS. THESE DETENTION BASINS UTILIZE STAGE OUTLET STRUCTURES, ISOLATOR ROWS, AND EXTENDED DETENTION TO ENSURE AN ADEQUATE DRAW DOWN TIME FOR THE PURPOSE OF WATER QUALITY TREATMENT. THE DETAILS OF THE STAGE OUTLET STRUCTURE CAN BE FOUND ON PAGE C600. DETAILS FOR THE CAPACITY OF THE BASIN AS WELL AS THE DRAW DOWN TIME, VOLUME TREATED IN THE FIRST 1/3 OF THE MINIMUM DRAW DOWN TIME OF 24 HRS, TOP ELEVATION OF THE BASIN, 100 YR STORM ELEVATION, WATER QUALITY VOLUME ELEVATION, AND THE WATER QUALITY ORIFICE ELEVATION ARE SHOWN BELOW.

WQ BASIN:

CAPACITY OF BASIN = 2,246 CU FT BASIN DRAWDOWN TIME = 24 HR

WATER QUALITY VOLUME DRAINED IN FIRST 8 HR = 551 CU FT

TOP OF BASIN ELEVATION = 735.00 FT

100 YR STORM ELEVATION = 734.26 FT

WATER QUALITY VOLUME ELEVATION = 733.60 FT
WATER QUALITY ORIFICE INVERT ELEVATION = 730.00 FT

STORMWATER RUNOFF RATES

STORM	PRE-DEV(CFS)	ALLOWABLE(CFS)	POST-DEV(CFS)	WQ BASIN(CFS)
1-YR	7.67	7.67	7.49	1.96
2-YR	9.50	9.50	9.32	2.35
5-YR	11.96	11.96	11.79	2.90
10-YR	13.85	13.85	13.68	3.32
25-YR	16.37	16.37	16.21	3.88
50-YR	18.35	18.35	18.21	4.34
100-YR	20.37	20.37	20.23	4.79

* - CRITICAL STORM ALLOWABLE FLOW

DRAINAGE AREAS AND WATER QUALITY

CURRENT EXISTING SITE IMPERVIOUS AREA = 2.90 ACRES
CURRENT EXISTING SITE PERVIOUS AREA = 0.31 ACRES
POST DEVELOPED SITE IMPERVIOUS AREA = 2.85 ACRES
POST DEVELOPED SITE PERVIOUS AREA = 0.36 ACRES
TOTAL DISTURBED AREA = 3.21 ACRES
WATER QUALITY VOLUME = 1,663 CU FT

SOIL TYPES: ROSS-URBAN LAND COMPLE

OTHER CONTROLS

WASTE DISPOSAL:
ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER RENTED FROM A LICENSED SOLID WASTE MANAGEMENT COMPANY. THE DUMPSTER WILL MEET ALL LOCAL, CITY AND STATE SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF TWICE PER WEEK OR MORE OFTEN IF NECESSARY, AND THE TRASH WILL BE HAULED OFF-SITE. NO CONSTRUCTION WASTE MATERIALS WILL BBURIED ONSITE. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED IN THE OFFICE TRAILER. THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED. ALL CONSTRUCTION AND DEMOLITION DEBRIS (C&DD) WASTE WILL BE DISPOSED OF IN AN OHIO EPA APPROVED C&DD LANDFILL AS REQUIRED BY ORC 3714

HAZARDOUS WASTE:
ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES. THE INDIVIDUAL WHO MANAGES DAY-TO-DAY SITE OPERATIONS WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

SANITARY WASTE:
ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF THREE TIMES PER WEEK BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR, AS REQUIRED BY LOCAL REGULATION.

OFF-SITE VEHICLE TRACKING:
OFF-SITE TRACKING OF SEDIMENTS SHALL BE MINIMIZED. A STABILIZED CONSTRUCTION ENTRANCE WILL BE
PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. ALL PAVED STREETS ADJACENT TO THE SITE WILL
BE SWEPT DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING
MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN.

<u>DEWATERING ACTIVITIES:</u>
THERE SHALL BE NO TURBID DISCHARGES TO SURFACE WATERS, RESULTING FROM DEWATERING ACTIVITIES.
SEDIMENT-LADEN WATER MUST PASS THROUGH A SETTLING POND, FILTER BAG, OR OTHER COMPARABLE PRACTICE, PRIOR TO DISCHARGE.

ALL PROCESS WASTEWATER.
ALL PROCESS WASTEWATER (EQUIPMENT WASHING, LEACHATE FROM ON-SITE WASTE DISPOSAL, ETC.) SHALL BE COLLECTED AND DISPOSED OF AT A PUBLICLY OWNED TREATMENT WORKS.

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, CONSTRUCTION ENTRANCE(S) AND SILT FENCE WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. SEDIMENT CONTROL DEVICES SHALL BE IMPLEMENTED FOR ALL AREAS REMAINING DISTURBED LONGER THAN 14 DAYS AND/OR WITHIN 7 DAYS OF ANY GRUBBING ACTIVITIES. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 21 DAYS WILL BE STABILIZED WITH A TEMPORARY SEED AND MULCH WITHIN 2 DAYS OF THE LAST DISTURBANCE IF THE AREA IS WITHIN 50 FEET OF A STREAM, AND WITHIN 7 DAYS OF THE LAST DISTURBANCE IF THE AREA IS MORE THAN 50 FEET AWAY FROM A STREAM. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT SEED AND MULCH. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE BASINS.

INVENTORY FOR POLLUTION PREVENTION PLAN SILT FENCE INLET PROTECTION

SPILL PREVENTION

MATERIAL MANAGEMENT

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORMWATER RUNOFF.

GOOD HOUSEKEEPING: THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.

- THE CONSTRUCTION PROJECT.
- AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
 ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE
- CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.

 3. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
- SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER
 WHENEVED POSSIBLE ALL OF A PRODUCT WILL BE USED UP REFORE DISPOSING OF THE CONTAINED.
- WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.

 MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.

 THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS
- HAZARDOUS PRODUCTS: THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS
- 1. PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
- PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
 ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT
- INFORMATION.
 IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS' OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

PRODUCT SPECIFIC PRACTICES

THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:

PETROLEUM PRODUCTS - ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FUEL STORAGE TANKS SHALL BE LOCATED AWAY FROM SURFACE WATERS AND STORM SEWER SYSTEM INLETS. FUEL TANKS SHALL BE STORED IN A DIKED AREA CAPABLE OF HOLDING 150% OF THE TANK CAPACITY.

FERTILIZERS - FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER. STORAGE WILL BE IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

<u>PAINTS</u> - ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE TRUCKS - CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP.

- ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
 MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS,
- MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.

 3. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
- GOVERNMENT AGENCY, REGARDLESS OF THE SIZE. SPILLS OF 25 OR MORE GALLONS OF PETROLEUM WASTE MUST BE REPORTED TO OHIO EPA (1-800-282-9378), THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE SPILL.

 5. SOILS CONTAMINATED BY PETROLEUM OR OTHER CHEMICAL SPILLS MUST BE TREATED/DISPOSED AT AN

OHIO EPA APPROVED SOLID WASTE MANAGEMENT FACILITY OR HAZARDOUS WASTE TREATMENT, STORAGE

4. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL

- OR DISPOSAL FACILITY (TSDF).

 6. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL WHAT CAUSED IT, AND THE CLEAN UP MEASURES WILL ALSO BE INCLUDED.
- SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.

 7. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL

DUST CONTROL

DUST CONTROL INVOLVES PREVENTING OR REDUCING DUST FROM EXPOSED SOILS OR OTHER SOURCES DURING LAND DISTURBING, DEMOLITION AND CONSTRUCTION ACTIVITIES TO REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES WHICH MAY PRESENT HEALTH HAZARDS, TRAFFIC SAFETY PROBLEMS OR HARM ANIMAL OR PLANT

THE FOLLOWING SPECIFICATIONS FOR DUST CONTROL SHALL BE FOLLOWED ONSITE:

BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ONSITE.

- 1. <u>VEGETATIVE COVER AND/MULCH</u> APPLY TEMPORARY OR PERMANENT SEEDING AND MULCH TO AREAS THAT WILL REMIAN IDLE FOR OVER 21 DAYS. SAVING EXISTING TREES AND LARGE SHRUBS WILL ALSO REDUCE SOIL AND AIR MOVEMENT ACROSS DISTURBED AREAS. SEE TEMPORARY SEEDING; PERMANENT SEEDING; MULCHING PRACTICES; AND TREE AND NATURAL AREA PROTECTION PRACTICES.
- 2. WATERING SPRAY SITE WITH WATER UNTIL THE SURFACE IS WET BEFORE AND DURING GRADING AND REPEAT AS NEEDED, ESPECIALLY ON HAUL ROADS AND OTHER HEAVY TRAFFIC ROUTES. WATERING SHALL BE DONE AT A RATE THAT PREVENTS DUST BUT DOES NOT CAUSE SOIL EROSION. WETTING AGENTS SHALL BE

	UTILIZED ACCORDING TO MANUFACTURERS INSTRUCTIONS.
3.	SPRAY-ON ADHESIVES - APPLY ADHESIVE ACCORDING TO THE FOLLOWING TABLE OR MANUFACTURER:
	INSTRUCTIONS

ADHESIVE	WATER DILUTION (ADHESIVE: WATER)	NOZZLE TYPE	APPLICATION RATE GAL./AC.
LATEX EMULSION	12.5:1	FINE	235
RESIN IN WATER ACRYLIC EMULSION (NO-TRAFFIC)	4:1	FINE	300
ACRYLIC EMULSION (NO-TRAFFIC)	7:1	COARSE	450
ACRYLIC EMULSION (TRAFFIC)	3.5:1	COARSE	350

- 4. <u>STONE</u> GRADED ROADWAYS AND OTHER SUITABLE AREAS WILL BE STABILIZED USING CRUSHED STONE OR COARSE GRAVEL AS SOON AS PRACTICABLE AFTER REACHING AN INTERIM OR FINAL GRADE. CRUSHED STONE OR COARSE GRAVEL CAN BE USED AS A PERMANENT COVER TO PROVIDE CONTROL OF SOIL
- EMISSIONS.
 5. BARRIERS EXISTING WINDBREAK VEGETATION SHALL BE MARKED AND PRESERVED. SNOW FENCING OR
- OTHER SUITABLE BARRIER MAY BE PLACED PERPENDICULAR TO PREVAILING AIR CURRENTS AT INTERVALS OF ABOUT 15 TIMES THE BARRIER HEIGHT TO CONTROL AIR CURRENTS AND BLOWING SOIL.
- 6. CALCIUM CHLORIDE THIS CHEMICAL MAY BE APPLIED BY MECHANICAL SPREADER AS LOOSE, DRY
 GRANULES OR FLAKES AT A RATE THAT KEEPS THE SURFACE MOIST BUT NOT SO HIGH AS TO CAUSE WATER
 POLLUTION OR PLANT DAMAGE. APPLICATION RATES SHOULD BE STRICTLY IN ACCORDANCE WITH SUPPLIERS'
- SPECIFIED RATES.
 7. OPERATION AND MAINTENANCE WHEN TEMPORARY DUST CONTROL MEASURES ARE USED; REPETITIVE

TREATMENT SHOULD BE APPLIED AS NEEDED TO ACCOMPLISH CONTROL.

8. <u>STREET CLEANING</u> - PAVED AREAS THAT HAVE ACCUMULATED SEDIMENT FROM CONSTRUCTION SHOULD BE CLEANED DAILY, OR AS NEEDED, UTILIZING A STREET SWEEPER OR BUCKET - TYPE ENDLOADER OR SCRAPER.









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GDRTA PARATRANSIT BUS GARAGE



701 Longworth Street Dayton, OH 45402

No. Description Date

1 CONSTRUCTION SET 02/14/25
2 REV 1 - PERM COMMENTS 04/11/25
3 BID SET 04/28/25

Drawn By

JKH

Checked By

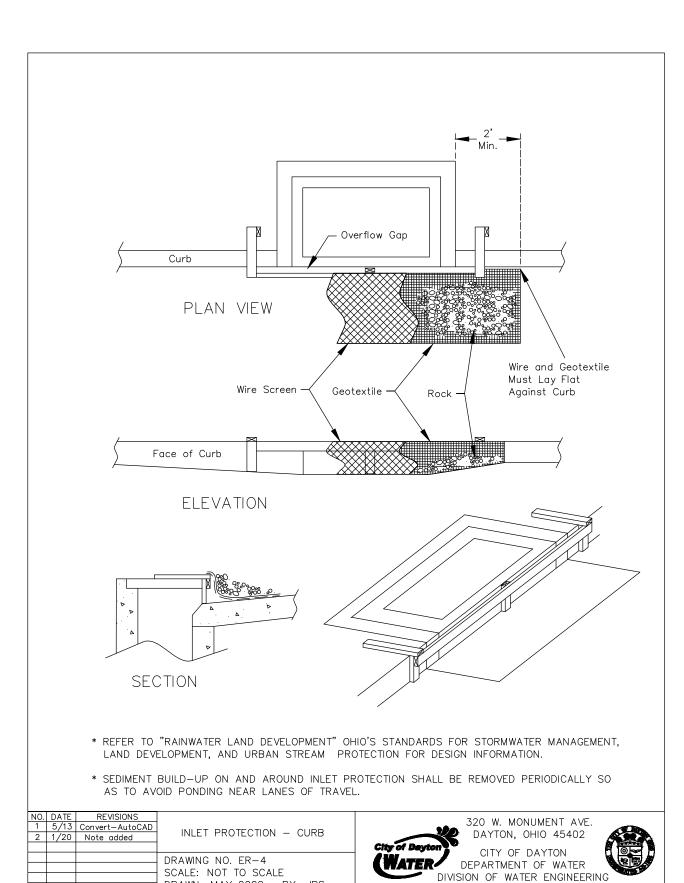
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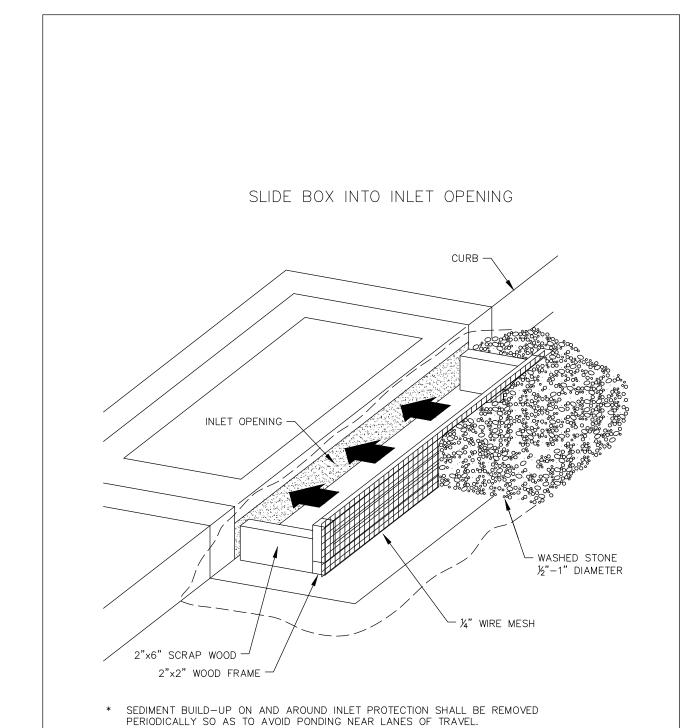
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Project No

SWPPP DETAILS

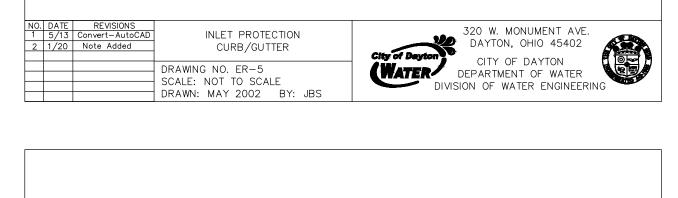
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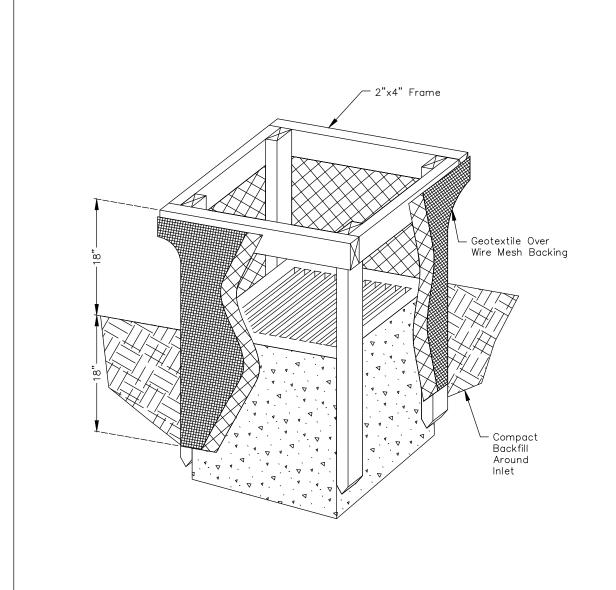
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DRAWN: MAY 2002 BY: JBS





* REFER TO "RAINWATER LAND DEVELOPMENT" OHIO'S STANDARDS FOR STORMWATER MANAGEMENT. LAND DEVELOPMENT, AND URBAN STREAM PROTECTION FOR DESIGN INFORMATION. * SEDIMENT BUILD-UP ON AND AROUND INLET PROTECTION SHALL BE REMOVED PERIODICALLY SO AS TO AVOID PONDING NEAR LANES OF TRAVEL.

0.	DATE	REVISIONS		320 W. MONUMENT AVE.
	5/13	Convert-AutoCAD	INILET DEGLECTION OTHER	
2	1/20	Note Added	INLET PROTECTION — OTHER	DAYTON, OHIO 45402
				City of Dayton CITY OF DAYTON
			DRAWING NO. ER-6	
			SCALE: NOT TO SCALE	
				DIVISION OF WATER ENGINEERING
			DRAWN: MAY 2002 BY: JBS	

Specifications Permanent Seeding

. 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 shall not be done on slip-prone areas where soil preparation should be limited to what is necessary for establishing vegetation. The site shall be graded as needed to permit the use of conventional equipment for seedbed preparation and seeding. . Topsoil shall be applied where needed to establish vegetation.

Site Preparation

Seedbed Preparation . 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 pounds per 1,000-sq. ft. or 2 tons per . Fertilizer—Fertilizer shall be applied as recommended by a soil test. In place of a soil test, fertilizer shall be applied at a rate of 25 pounds per 1,000—sq. ft. or 1000 pounds per acre of a 10-10-10 or 12-12-12 analyses. . The lime and fertilizer shall be worked

into the soil with a disk harrow. spring—tooth harrow, or other suitable field implement to a depth of 3 inches. On sloping land, the soil shall be worked Seeding Dates and Soil Conditions Seeding should be done March 1 to May 31 or August 1 to September 30. If seeding occurs outside of the abovespecified dates, additional mulch and irrigation may be required to ensure a minimum of 80% aermination. Tillage for 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

Oormant Seedings

on dormant seeding.

Seedings should not be made 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. "The following methods may be used for From October 1 through November 20, prepare the seedbed, add the required amounts of lime and fertilizer. then 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 • From November 20 through March 15, when soil conditions permit, prepare the seedbed, lime and fertilize, apply the selected seed mixture, mulch and nchor. 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 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 operations should be on the

contour where feasible.

1. Mulch material shall be applied immediately after seeding. Dormant seeding shall be mulched. 100% of the ground surface shall be covered with an Materials

 Straw—If straw is used it shall be unrotted small—grain straw applied at

the rate of 2 tons per acre or 90 pounds (two to three bales) per 1,000-sq. ft. The mulch shall be spread uniformly by hand or mechanically pplied so the soil surface is covered. For uniform distribution of handspread mulch, divide area into approximately 1,000—sq.— ft. sections and spread two 45—lb. bales of straw in each section. Hydroseeders—If wood cellulose fiber is used, it shall be applied at 2,000

lb./ac. or 46 lb./1,000 sq. ft. • Other—Other acceptable mulches include rolled erosion control mattings or blankets applied according to manufacturers recommendations or wood chips applied at 6 tons per acre. . Straw and Mulch Anchoring Methods Straw mulch shall be anchored immediately to minimize loss by wind or water. Mechanical—A disk, crimper, or similar type tool shall be set straight to punch

or anchor the mulch material into the soil. Straw mechanically anchored shall not be finely chopped but, generally, be left longer than 6 inches. Mulch Netting—Netting shall be used according to the manufacturers recommendations. Netting may be necessary to hold mulch in place in areas of concentrated runoff and on critical slopes. Asphalt Emulsion—Asphalt shall be applied as recommended by the

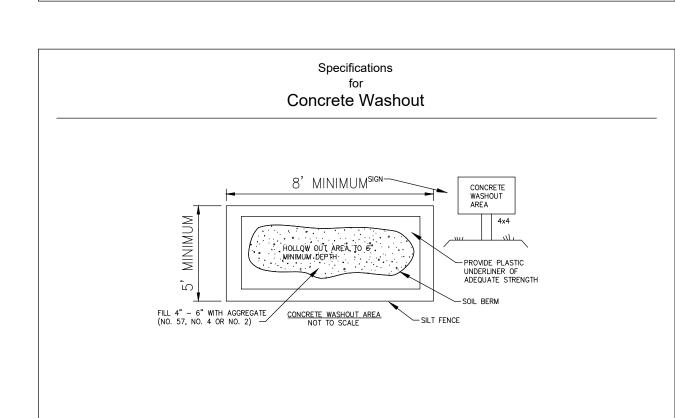
manufacture or at the rate of 160 gallons per acre. Synthetic Binders—Synthetic binders such as Acrylic DLR (Agri-Tac), DCA-70, Petroset, Terra Tack or equivalent may be used at rates specified by the manufacturer. Wood Cellulose Fiber—Wood cellulose fiber shall be applied at a net dry weight of 750 pounds per acre. The wood cellulose fiber shall be mixed with water with the mixture containing a maximum of 50 pounds cellulose per 100 gallons of water.

Permanent seeding shall include irrigation to establish vegetation during dry weather or on adverse site conditions, which require adequate moisture for seed germination

Irrigation rates shall be monitored to prevent erosion and damage to seeded areas from excessive runoff.

	PERMA	NENT SEED	ING
SEED MIX	SEED MIX SEEDIN		NOTES
	lb./ac.	lb./1000 ft.²	
GENERAL USE			
Creeping Red Fescue	20-40	½ - 1	
Domestic Ryegrass	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 SLC	PES		
Tall Fescue	20-40	1	
Crown Vetch Tall Fescue	10-20	1/4 - 1/2	Do not seed later than Augus
Flat Pea Tall Fescue	20	1/2	Do not seed later than Augus
ROADS, DITCHES and SWA	LES		
Tall Fescue	40	1	
Dwarf Fescue	90	2 ½	
Kentucky Bluegrass	5		
LAWNS			
Kentucky Bluegrass	60	1 ½	
Perrenial Ryegrass	60	1 ½	
Kentucky Bluegrass	60	1 ½	For shaded areas
Creeping Red Fescue	60	1 1/2	For shaded areas

* REFER TO "RAINWATER LAND DEVELOPMENT" OHIO'S STANDARDS FOR STORMWATER MANAGEMENT, LAND DEVELOPMENT, AND URBAN STREAM PROTECTION FOR DESIGN INFORMATION.



Specifications Manintenance of Permanent Seeding

Mantenance 1. Expect emergence within 4 to 28 days after seeding, with legumes typically following grasses. Check permanent seedlings within 4 to 6 weeks after

planting. Look for: Vigorous seedlings; Uniform ground surface coverage with at least 30% growth density; Uniformity with legumes and grasses well intermixed;

 Green, not yellow, leaves. Perennials should remain green throughout the summer, at least at the plant bases. 2. Permanent seeding shall not be considered established for at least full year from the time of planting. Inspect the seeding for soil erosion or plant loss during this first year. Repair bare and sparse areas. Fill gullies. Re-fertilize, re-seed, and re-mulch if required. Consider no-till planting. A minimum of 70% growth density, based on a visual inspection,

must exist for an adequate permanent vegetative planting. If stand is inadequate or plant cover is patchy, identify the cause of failure and take corrective action: choice of plant materials, lime and fertilizer auantities, poor seedbed preparation. or weather. If vegetation fails to grow, have the soil tested to determine whether pH is in the correct range or nutrient deficiency

perennials or use temporary seeding.

results in competition with the is a problem. perennials. * Depending on stand conditions, repair with complete seedbed preparation. then over-seed or re-seed. If it is the wrong time of year to plant desired species, over-seed with small grain cover crop to thicken the stand until timing is right to plant

See Temporary Seeding standard. germination and failure. 3. Satisfactory establishment may require re-fertilizing the stand in the second growing season. • Do not fertilize cool season grasses in

Bluegrass, Orchardgrass, Perrenial Ryegrass, Smooth Brome, Fescues. Timothy, Reed Canarygrass and Garrison Grass) * Grass that looks yellow may be nitrogen deficient. In lieu of a soil test, an application of 50 lbs. of N-P-K per acre in early spring will help cool season grasses compete against weeds or grow more successfully.

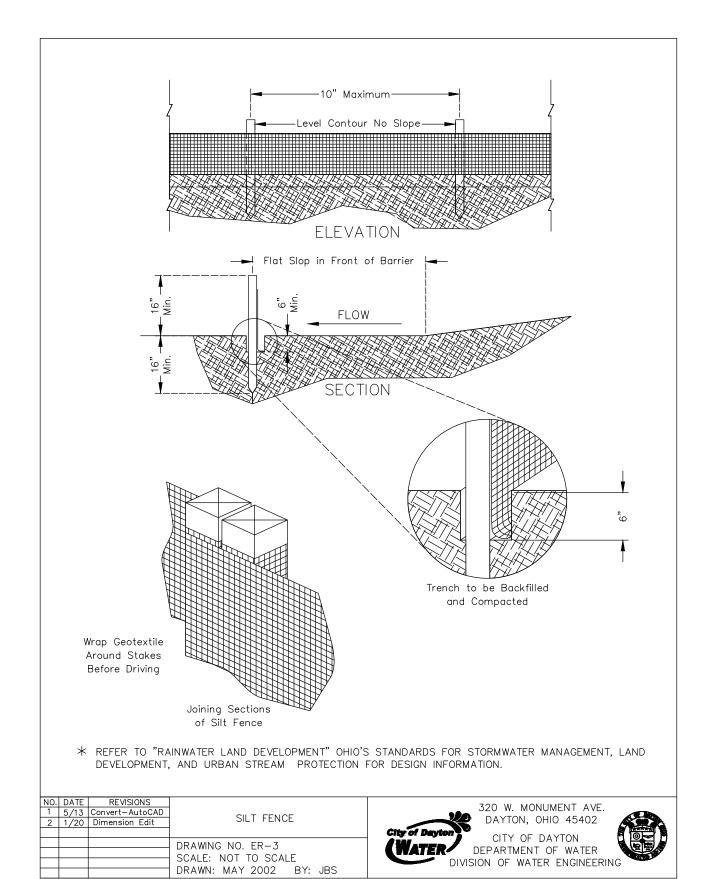
*Do not use nitrogen fertilizer if the stand contains more than 20 percent 4. Long—term maintenance fertilization rates shall be established by following soil test recommendations or by using the rates shown in Table 2.5. Consider mowing after plants reach a height of 6 to 8 inches. Mow grasses tall, at least 3 inches in height and minimize compaction during the mowing process. Vegetation on structural practices such as embankments and grass—lined channels need to be mowed only to prevent woody plants from invading the stand.

Common Problems / Concerns *Insufficient topsoil or inadequately tilled, limed, and/or fertilized seedbed:results in poor establishment of *Unsuitable species or seeding mixture:-

*Nurse crop rate too high in the mixture: results in competition with the *Seeding done at the wrong time of year: — results in poor establishment of vegetation, also plant hardiness is significantly decreased. • Mulch rate inadequate:— results in poor

late May through July (i.e. Kentucky

Mixture	Formula	lb./ac.	lb./1,00 SF	Time	Mowing
Creeping Red Fescue Rygrass Kentucky Bluegrass	10-10-10	500	12		Not closer that 3"
Tall Fescue	10-10-10	500	12	Fall, yearly or as needed.	Not closer than 4"
Turf-type (Dwarf) Fescue	10-10-10	500	12		Not close than 2"
Crown Vetch Fescue	0-20-20	400	10	Spring, yearly following establishment and every 4—7 yr. thereafter	Do not mow
Flat Pea Fescue	0-20-20	400	10		Do not mow



Specifications **Temporary Seeding**

SPECIES	SEEDI	ng rate	SEEDING DATES	
	lb./ac.	lb./1000 ft²		
Oats	4 Bushel	3	March 1 to August 15	
Tall Fescue	40	1		
Annual Ryegrass	40	1		
Perennial Ryegrass	40	1		
Tall Fescue	40	1		
Annual Ryegrass	40	1		
Rye	2 Bushel	3	August 16 to November 1	
Tall Fescue	40	1		
Annual Ryegrass	40	1		
Wheat	2 Bushel	3		
Tall Fescue	40	1		
Annual Ryegrass	40	1		
Perennial Ryegrass	40	1		
Tall Fescue	40	1		
Annual Rygrass	40	1		
Jse mulch only, soddin	g practices		November 1 to Spring Seeding	
or dormant seeding.				

* REFER TO "RAINWATER LAND DEVELOPMENT" OHIO'S STANDARDS FOR STORMWATER MANAGEMENT, LAND DEVELOPMENT, AND URBAN STREAM PROTECTION FOR DESIGN INFORMATION.

1. Structural erosion and sediment control practices such as diversions and sediment traps shall be installed and stabilized with temporary seeding prior to grading the rest of the construction site.

2. Temporary seed shall be applied between construction operations on soil that will not be graded or reworked for 21 days or greater. These idle areas shall be seeded within 7 days after grading. 5. The seedbed should be pulverized and loose to ensure the success of establishing vegetation. Temporary seeding

should not be postponed if ideal seedbed preparation is not possible. 4. Soil Amendments—Temporary vegetation seeding rates shall establish adequate stands of vegetation, which may require the use of soil amendments. Base rates for lime and fertilizer shall be used.

5. Seeding Method—Seed shall be applied uniformly with a cyclone spreader, drill, cultipacker seeder, or hydroseeder. When feasible, seed that has been broadcast shall be covered by raking or dragging and then lightly tamped into place using a roller or cultipacker. If hydroseeding is used, the seed and fertilizer will be mixed on-site and the seeding shall be done immediately and without interruption.

Mulching Temporary Seeding 1. Applications of temporary seeding shall include mulch, which shall be applied during or immediately after seeding. Seedings made during optimum seeding dates on favorable, very flat soil conditions may not need mulch to achieve adequate stabilization.

 Straw—If straw is used, it shall be unrotted small—grain straw applied at a rate of 2 tons per acre or 90 lbs./ 1,000 sq. ft. (2-3 bales)* Hydroseeders—If wood cellulose fiber is used, it shall be used at 2000 lbs./ ac.

or 46 lb./ 1,000-sq.-ft. Other—Other acceptable mulches include mulch mattings applied according to manufacturers recommendations or wood chips applied at 6 ton/ ac.3. Straw Mulch shall be anchored immediately to minimize loss by wind or water.

Anchoring methods:

type tool shall be set straight to punch or anchor the mulch material into the soil. Straw mechanically anchored shall not be finely chopped but left to a length of approximately 6 inches. • Mulch Netting—Netting shall be used according to the manufacturers recommendations. Netting may be necessary to hold mulch in place in areas of concentrated runoff and on critical • Synthetic Binders—Synthetic binders such

Mechanical—A disk, crimper, or similar

as Acrylic DLR (Agri—Tac), DCA—70, Petroset, Terra Track or equivalent may be used at rates recommended by the manufacturer. * Wood-Cellulose Fiber-Wood-cellulose fiber binder shall be applied at a net dry wt. of 750 lb./ac. The wood-cellulose fiber shall be mixed with water and the mixture shall contain a maximum of 50 lb. / 100 **CHAMPLIN**



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GDRTA PARATRANSIT BUS GARAGE

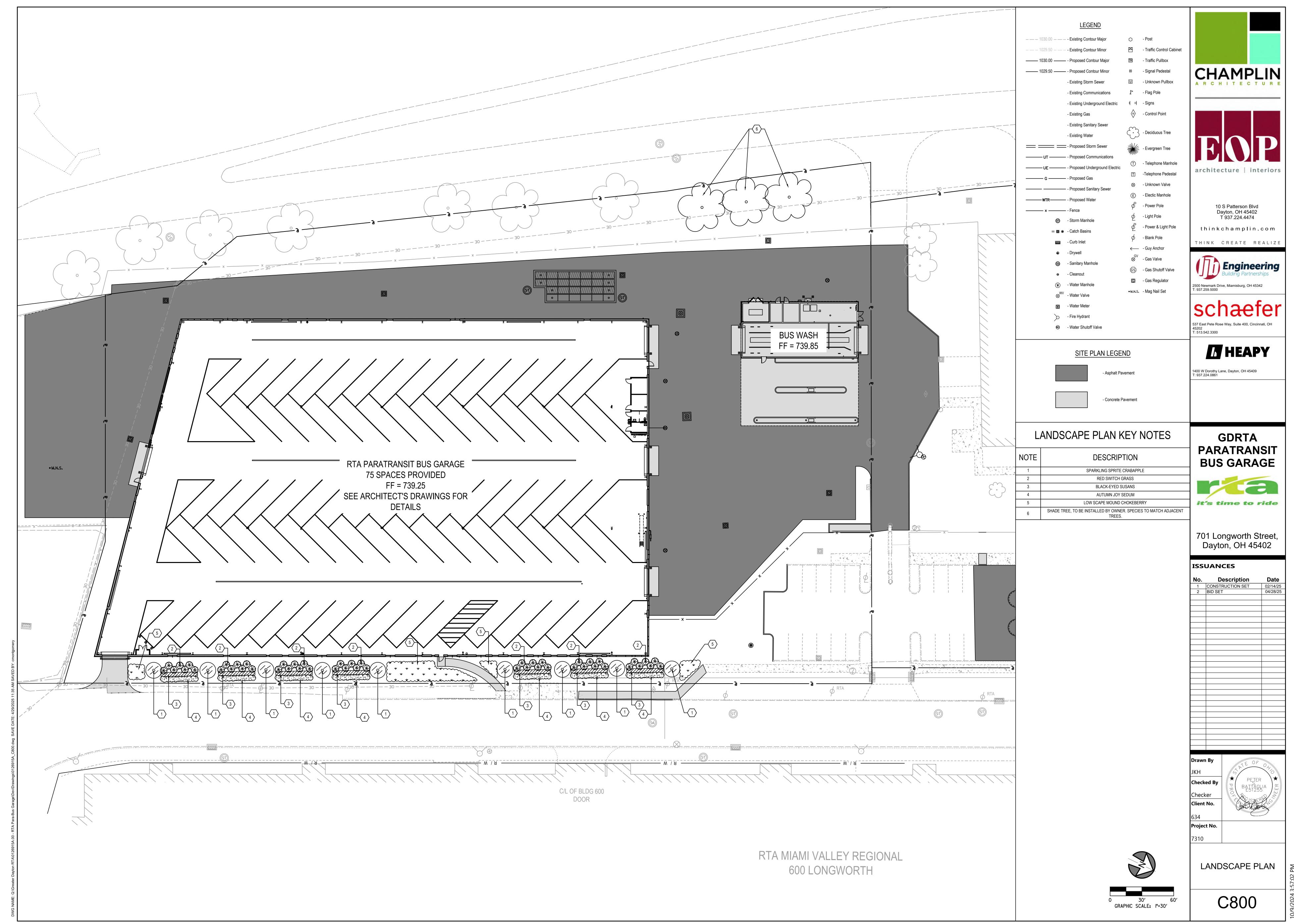


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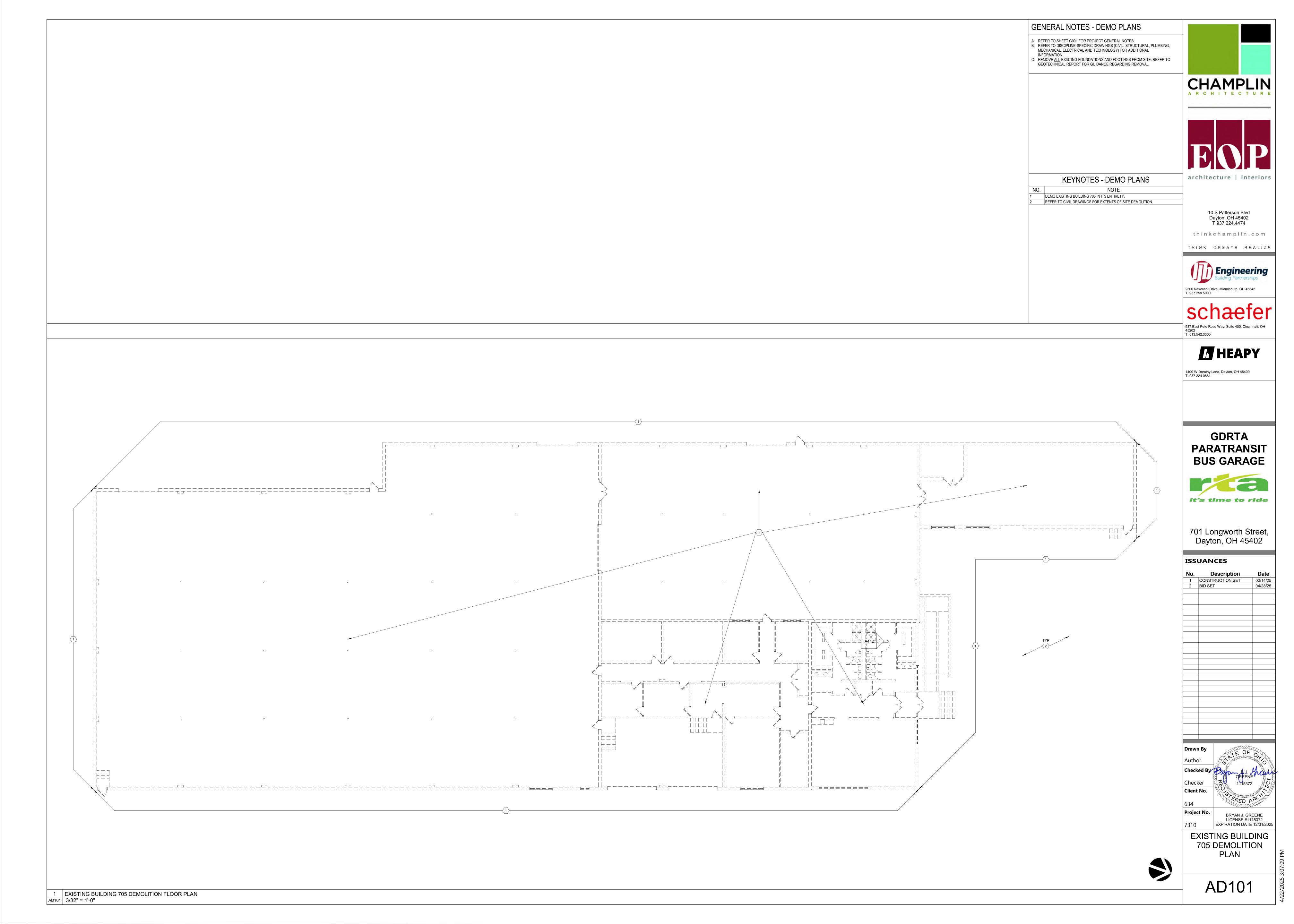
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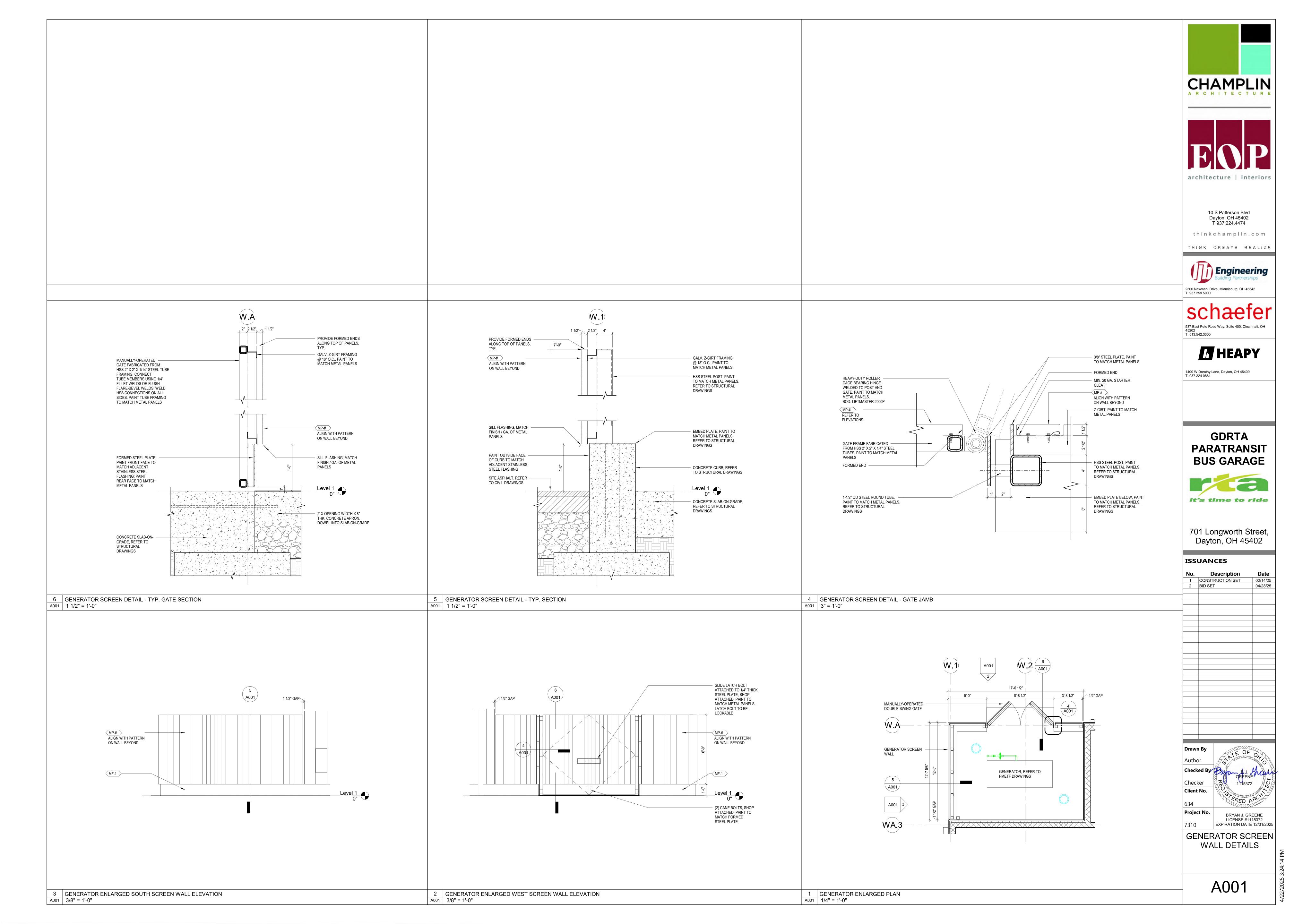
No. Description 1 CONSTRUCTION SET 02/14/25 2 REV 1 - PERM COMMENTS 04/11/25

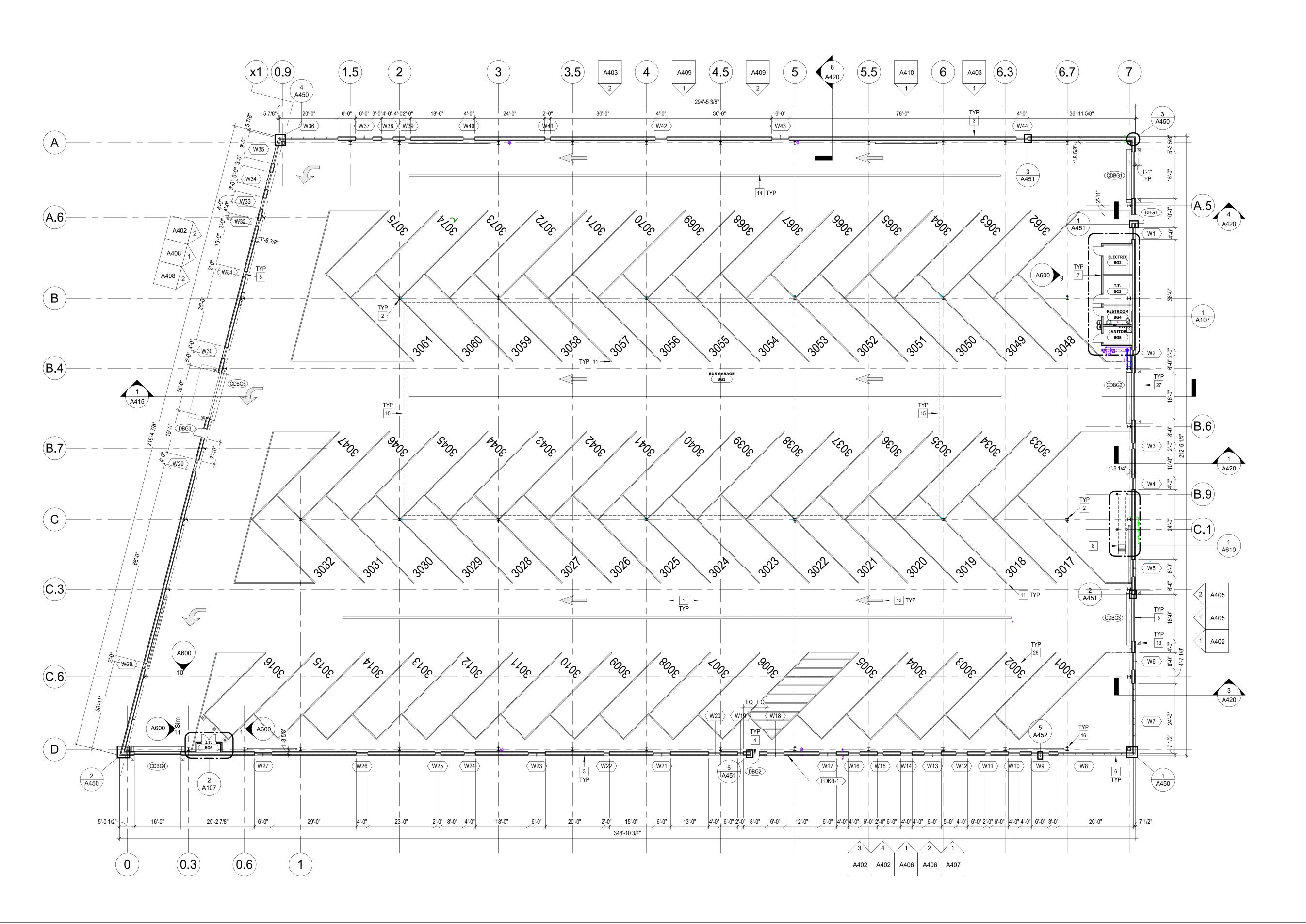
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GENERAL NOTES - PLANS

- A. REFER TO SHEET G001 FOR PROJECT GENERAL NOTES, ABBREVIATIONS, SYMBOLS AND RECOMMENDED MOUNTING HEIGHTS.
 - B. REFER TO DISCIPLINE-SPECIFIC DRAWINGS (CIVIL, STRUCTURAL, PLUMBING, MECHANICAL, ELECTRICAL, TECHNOLOGY AND FIRE PROTECTION) FOR ADDITIONAL INFORMATION. C. ALL DIMENSIONS ARE TO FINISH FACE, UNO.
 - D. CEILING SYSTEMS SHALL NOT BE USED AS PARTITION BRACING ELEMENTS. REFER TO G003 FOR INTERIOR PARTITION TYPES AND FIRE-RETARDENT-TREATED WOOD BLOCKING DETAILS.
 - F. REFER TO INTERIOR ELEVATIONS FOR WALL-MOUNTED ITEMS AND ACCESSORIES 6. REFER TO DOOR SCHEDULE FOR DOOR INFORMATION. H. REFER TO EXTERIOR WALL TYPES FOR EXTERIOR WALL ASSEMBLY DESIGNS. REFER TO MATERIAL I.D. CODES, FINISH PLANS AND SPECIFICATIONS FOR FINISH
 - MATERIAL INFORMATION. DIMENSIONS LABELED "MIN" OR "CLEAR" SHALL NOT BE LESS THAN INDICATED. DIMENSIONS LABELED "HOLD" SHALL BE EXACTLY AS INDICATED AND NO MORE OR NO LESS.

KEYNOTES - PLANS

NEW CONCRETE SLAB-ON-GRADE. REFER TO STRUCTURAL DRAWINGS. NEW STRUCTURAL STEEL COLUMN, PAINT PT-8. REFER TO STRUCTURAL

NEW HM DOOR, FRAME AND HARDWARE. REFER TO DOOR SCHEDULE.

NEW INTERIOR PARTITION WALL. REFER TO PARTITION SCHEDULE.

NEW PLUMBING FIXTURE. REFER TO PLUMBING DRAWINGS.

NEW TOILET ACCESSORY. REFER TO INTERIOR ELEVATIONS.

NEW ALUMINUM CURTAIN WALL SYSTEM. REFER TO CURTAIN WALL TYPES AN

NEW SHIPS LADDER AND SUPPORT STRUCTURE, PAINT PT-6 AND PT-8. REFER TO

NEW EXTERIOR WALL. REFER TO EXTERIOR WALL TYPES.

NEW COILING DOOR. REFER TO DOOR SCHEDULE.

DETAILS AND STRUCTURAL DRAWINGS.

NEW 4" WIDE PAINTED VEHICLE STRIPING.

NEW STEEL BOLLARD, MET FAB-1, PAINT PT-8.

NEW TRENCH DRAIN. REFER TO PLUMBING DRAWINGS.

OUTLINE OF NEW CLERESTORY / LOW ROOF ABOVE. NEW FIRE EXTINGUISHER. REFER TO LIFE SAFETY PLAN.

NEW BUS WASH EQUIPMENT - BY WESTMATIC (NIC). NEW CONCRETE ISLAND. REFER TO CIVIL DRAWINGS. NEW FUEL PUMP. REFER TO PLUMBING DRAWINGS. NEW PAINTED STEEL U-BOLLARD, MET FAB-2, PAINT PT-8.

NEW PAINTED DIRECTIONAL ARROW.

STRUCTURAL DRAWINGS.

C. SEAL ALL MECHANICAL, ELECTRICAL, AND PLUMBING PENETRATIONS THROUGH





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M HEAPY

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T: 937.224.0861 NEW EXTERIOR CMU BEARING WALL. REFER TO EXTERIOR WALL TYPES AND

OUTLINE OF NEW CANOPY ABOVE. NEW DOWNSPOUT, DS-1, FORMED FROM METAL PANEL COIL STOCK. NEW FIXED LADDER, MATCH FINISH OF METAL PANELS. REFER TO DETAILS. NEW BI-LEVEL DRINKING FOUNTAIN. REFER TO PLUMBING DRAWINGS. NEW 36" TALL PAINTED STALL NUMBER.

NEW CAST-IN-PLACE CONCRETE APRON. REFER TO DETAILS AND CIVIL NEW GENERATOR SCREEN WALL. REFER TO DETAILS AND STRUCTURAL

NEW MANUALLY-OPERATED DOUBLE SWING GATE. REFER TO DETAILS. NEW MECHANICAL EQUIPMENT ON 4" TALL CONCRETE HOUSEKEEPING PAD. REFER TO MECHANICAL DRAWINGS.

NEW 2' WIDE X 8" THICK CAST-IN-PLACE CONCRETE CURB. INSTALL FLUSH WITH TOP OF ASPHALT. CORE (2) HOLES IN CONCRETE FOR GATE CANE BOLTS.

GDRTA PARATRANSIT BUS GARAGE



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ISSUANCES No. Description 1 CONSTRUCTION SET

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LICENSE #1115372 EXPIRATION DATE 12/31/2025

NEW WORK PLANS

NEW CONCRETE SLAB-ON-GRADE. REFER TO STRUCTURAL DRAWINGS. NEW STRUCTURAL STEEL COLUMN, PAINT PT-8. REFER TO STRUCTURAL NEW EXTERIOR WALL. REFER TO EXTERIOR WALL TYPES. NEW 2' WIDE X 8" THICK CAST-IN-PLACE CONCRETE CURB. INSTALL FLUSH WITH TOP OF ASPHALT. CORE (2) HOLES IN CONCRETE FOR GATE CANE BOLTS. WA.3 3 A415 W.B +/- 14'-5 5/8" 52'-6" A404 4 A412 2 1 BUS WASH AND FLEET VEHICLE MOTOR-FUEL-DISPENSING FACILITY NEW WORK PLAN A101 3/32" = 1'-0"

GENERAL NOTES - PLANS

- A. REFER TO SHEET G001 FOR PROJECT GENERAL NOTES, ABBREVIATIONS, SYMBOLS AND RECOMMENDED MOUNTING HEIGHTS.
- B. REFER TO DISCIPLINE-SPECIFIC DRAWINGS (CIVIL, STRUCTURAL, PLUMBING, MECHANICAL, ELECTRICAL, TECHNOLOGY AND FIRE PROTECTION) FOR ADDITIONAL INFORMATION. C. ALL DIMENSIONS ARE TO FINISH FACE, UNO.
- D. CEILING SYSTEMS SHALL NOT BE USED AS PARTITION BRACING ELEMENTS. E. REFER TO G003 FOR INTERIOR PARTITION TYPES AND FIRE-RETARDENT-TREATED WOOD BLOCKING DETAILS.
- F. REFER TO INTERIOR ELEVATIONS FOR WALL-MOUNTED ITEMS AND ACCESSORIES. G. REFER TO DOOR SCHEDULE FOR DOOR INFORMATION. H. REFER TO EXTERIOR WALL TYPES FOR EXTERIOR WALL ASSEMBLY DESIGNS.
- REFER TO MATERIAL I.D. CODES, FINISH PLANS AND SPECIFICATIONS FOR FINISH MATERIAL INFORMATION. DIMENSIONS LABELED "MIN" OR "CLEAR" SHALL NOT BE LESS THAN INDICATED. DIMENSIONS LABELED "HOLD" SHALL BE EXACTLY AS INDICATED AND NO MORE
- C. SEAL ALL MECHANICAL, ELECTRICAL, AND PLUMBING PENETRATIONS THROUGH





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NEW HM DOOR, FRAME AND HARDWARE. REFER TO DOOR SCHEDULE. NEW COILING DOOR. REFER TO DOOR SCHEDULE.

NEW ALUMINUM CURTAIN WALL SYSTEM. REFER TO CURTAIN WALL TYPES AND NEW INTERIOR PARTITION WALL. REFER TO PARTITION SCHEDULE. NEW SHIPS LADDER AND SUPPORT STRUCTURE, PAINT PT-6 AND PT-8. REFER TO

KEYNOTES - PLANS

DETAILS AND STRUCTURAL DRAWINGS. NEW PLUMBING FIXTURE. REFER TO PLUMBING DRAWINGS. NEW TOILET ACCESSORY. REFER TO INTERIOR ELEVATIONS. NEW 4" WIDE PAINTED VEHICLE STRIPING.

NEW PAINTED DIRECTIONAL ARROW. NEW STEEL BOLLARD, MET FAB-1, PAINT PT-8. NEW TRENCH DRAIN. REFER TO PLUMBING DRAWINGS. OUTLINE OF NEW CLERESTORY / LOW ROOF ABOVE. NEW FIRE EXTINGUISHER. REFER TO LIFE SAFETY PLAN.

NEW EXTERIOR CMU BEARING WALL. REFER TO EXTERIOR WALL TYPES AND STRUCTURAL DRAWINGS. NEW BUS WASH EQUIPMENT - BY WESTMATIC (NIC). NEW CONCRETE ISLAND. REFER TO CIVIL DRAWINGS. NEW FUEL PUMP. REFER TO PLUMBING DRAWINGS.

NEW PAINTED STEEL U-BOLLARD, MET FAB-2, PAINT PT-8. OUTLINE OF NEW CANOPY ABOVE. NEW DOWNSPOUT, DS-1, FORMED FROM METAL PANEL COIL STOCK. NEW FIXED LADDER, MATCH FINISH OF METAL PANELS. REFER TO DETAILS. NEW BI-LEVEL DRINKING FOUNTAIN. REFER TO PLUMBING DRAWINGS.

NEW 36" TALL PAINTED STALL NUMBER. NEW CAST-IN-PLACE CONCRETE APRON. REFER TO DETAILS AND CIVIL

NEW GENERATOR SCREEN WALL. REFER TO DETAILS AND STRUCTURAL NEW MANUALLY-OPERATED DOUBLE SWING GATE. REFER TO DETAILS. NEW MECHANICAL EQUIPMENT ON 4" TALL CONCRETE HOUSEKEEPING PAD. REFER TO MECHANICAL DRAWINGS.

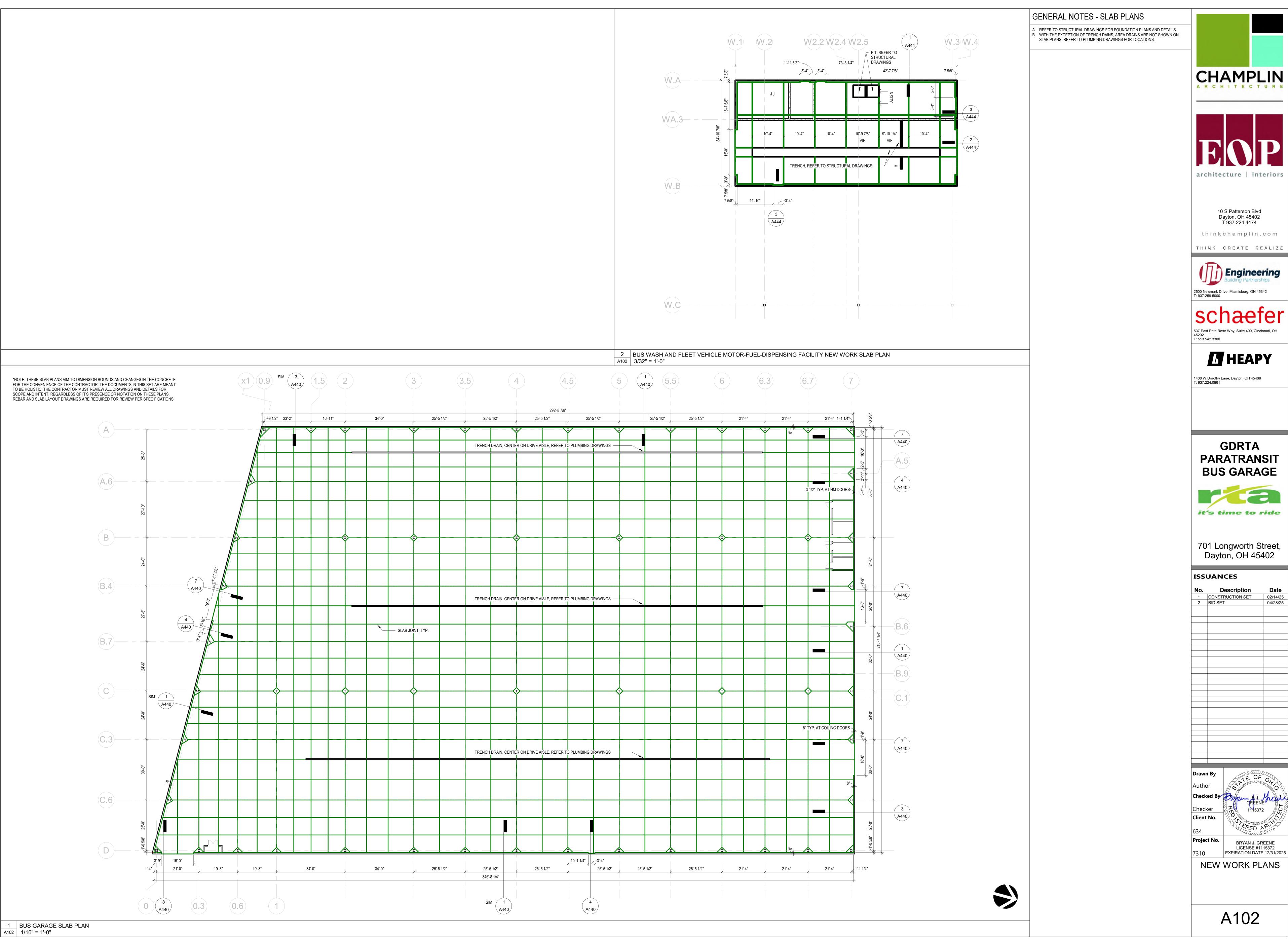
GDRTA PARATRANSIT BUS GARAGE



701 Longworth Street, Dayton, OH 45402

ISSUANCES No. Description 1 CONSTRUCTION SET 02/14/25 2 REV 1 - PERM COMMENTS 04/11/25 3 BID SET

BRYAN J. GREENE LICENSE #1115372 EXPIRATION DATE 12/31/2025 NEW WORK PLANS















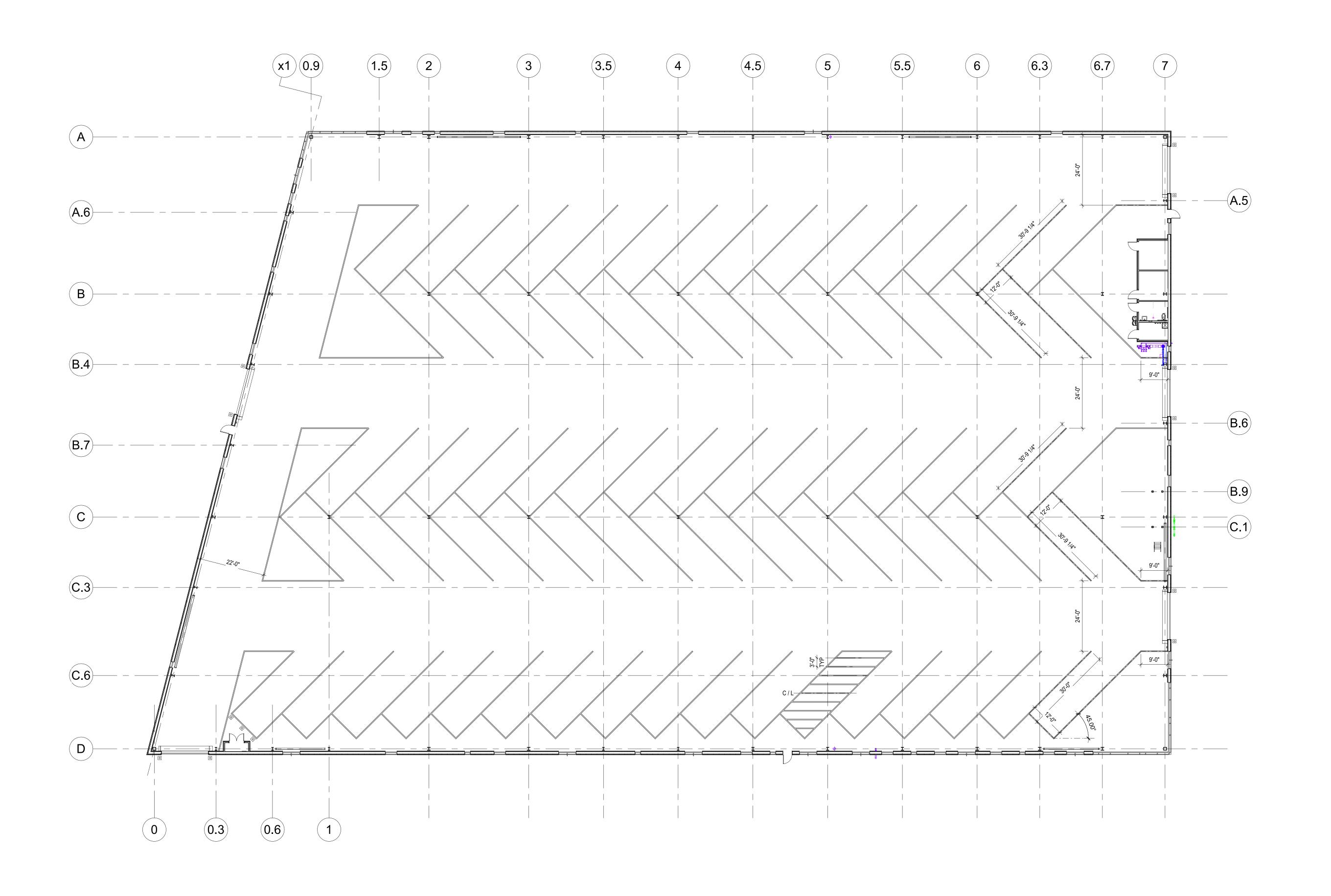


PARATRANSIT BUS GARAGE



701 Longworth Street, Dayton, OH 45402

No.	D	escription	1	Date
1	CONST	RUCTION SET	Γ	02/14/25
2	BID SET	Γ		04/28/25
	-			
			m	



1 BUS GARAGE NEW WORK STRIPING PLAN 1/16" = 1'-0"

GENERAL NOTES - PLANS

- A. REFER TO SHEET G001 FOR PROJECT GENERAL NOTES, ABBREVIATIONS, SYMBOLS AND RECOMMENDED MOUNTING HEIGHTS.
- B. REFER TO DISCIPLINE-SPECIFIC DRAWINGS (CIVIL, STRUCTURAL, PLUMBING MECHANICAL, ELECTRICAL, TECHNOLOGY AND FIRE PROTECTION) FOR ADDITIONAL INFORMATION.
- C. ALL DIMENSIONS ARE TO FINISH FACE, UNO. D. CEILING SYSTEMS SHALL NOT BE USED AS PARTITION BRACING ELEMENTS.
 E. REFER TO G003 FOR INTERIOR PARTITION TYPES AND FIRE-RETARDENT-TREATED
 - WOOD BLOCKING DETAILS. REFER TO INTERIOR ELEVATIONS FOR WALL-MOUNTED ITEMS AND ACCESSORIES. G. REFER TO DOOR SCHEDULE FOR DOOR INFORMATION. H. REFER TO EXTERIOR WALL TYPES FOR EXTERIOR WALL ASSEMBLY DESIGNS.
- REFER TO MATERIAL I.D. CODES, FINISH PLANS AND SPECIFICATIONS FOR FINISH MATERIAL INFORMATION. . DIMENSIONS LABELED "MIN" OR "CLEAR" SHALL NOT BE LESS THAN INDICATED. DIMENSIONS LABELED "HOLD" SHALL BE EXACTLY AS INDICATED AND NO MORE
- OR NO LESS. K. SEAL ALL MECHANICAL, ELECTRICAL, AND PLUMBING PENETRATIONS THROUGH





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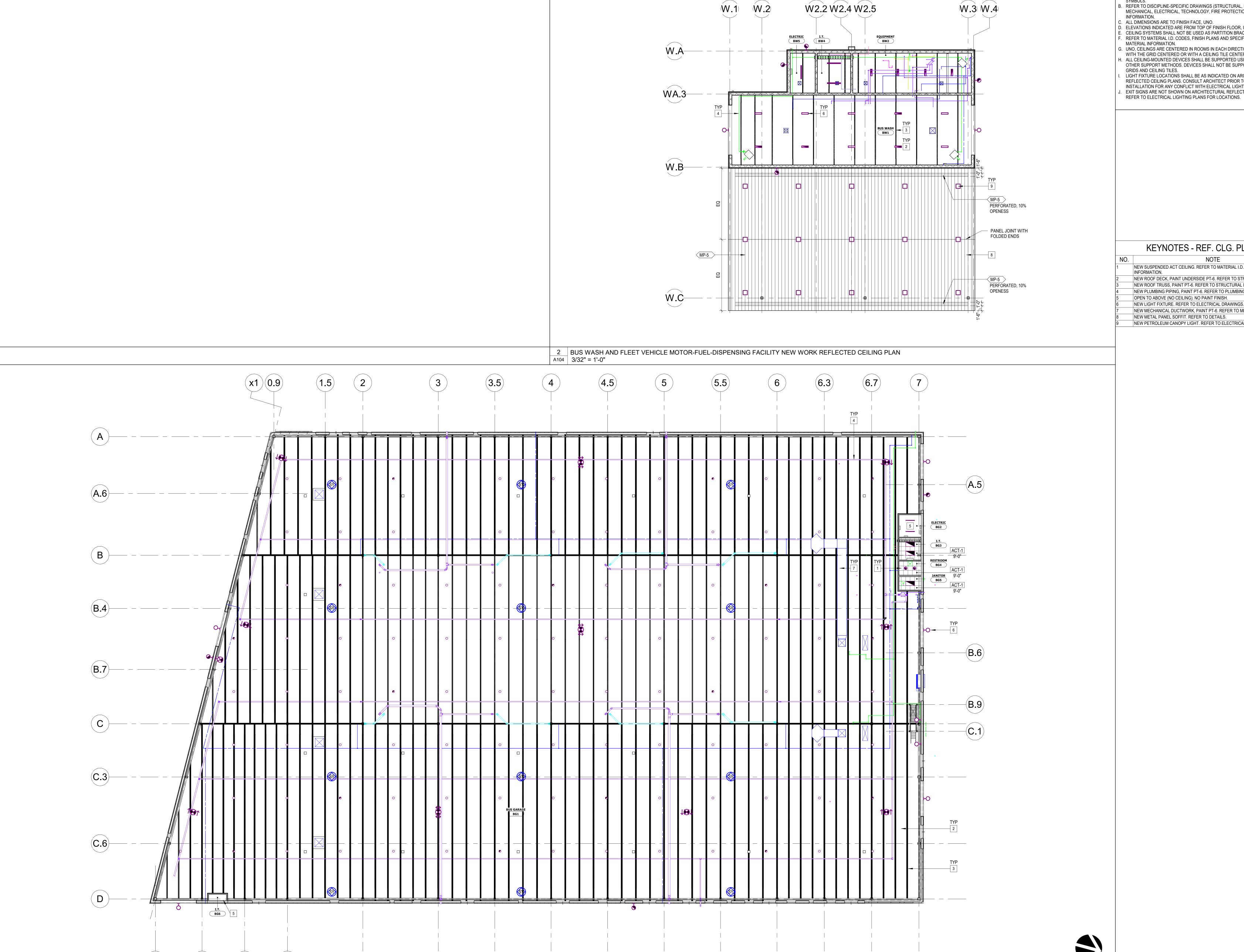
701 Longworth Street, Dayton, OH 45402

ISSUANCES

No.	Description	Date
1	CONSTRUCTION SET	02/14/25
2	BID SET	04/28/25
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BRYAN J. GREENE LICENSE #1115372 EXPIRATION DATE 12/31/2025

NEW WORK PLANS



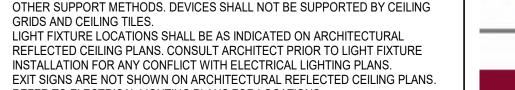
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BUS GARAGE NEW WORK REFLECTED CEILING PLAN

A104 1/16" = 1'-0"

GENERAL NOTES - REF. CLG. PLANS

- A. REFER TO SHEET G001 FOR PROJECT GENERAL NOTES, ABBREVIATIONS AND
- B. REFER TO DISCIPLINE-SPECIFIC DRAWINGS (STRUCTURAL, PLUMBING, MECHANICAL, ELECTRICAL, TECHNOLOGY, FIRE PROTECTION) FOR ADDITIONAL
 - C. ALL DIMENSIONS ARE TO FINISH FACE, UNO. D. ELEVATIONS INDICATED ARE FROM TOP OF FINISH FLOOR, UNO.
 - E. CEILING SYSTEMS SHALL NOT BE USED AS PARTITION BRACING ELEMENTS. REFER TO MATERIAL I.D. CODES, FINISH PLANS AND SPECIFICATIONS FOR FINISH B. UNO, CEILINGS ARE CENTERED IN ROOMS IN EACH DIRECTION AS SHOWN, EITHER
- WITH THE GRID CENTERED OR WITH A CEILING TILE CENTERED. H. ALL CEILING-MOUNTED DEVICES SHALL BE SUPPORTED USING HANGER WIRES OR OTHER SUPPORT METHODS. DEVICES SHALL NOT BE SUPPORTED BY CEILING
- REFLECTED CEILING PLANS. CONSULT ARCHITECT PRIOR TO LIGHT FIXTURE INSTALLATION FOR ANY CONFLICT WITH ELECTRICAL LIGHTING PLANS. . EXIT SIGNS ARE NOT SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS.





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KEYNOTES - REF. CLG. PLANS

NEW SUSPENDED ACT CEILING. REFER TO MATERIAL I.D. CODES FOR FINISH

NEW ROOF DECK, PAINT UNDERSIDE PT-6. REFER TO STRUCTURAL DRAWINGS. NEW ROOF TRUSS, PAINT PT-6. REFER TO STRUCTURAL DRAWINGS. NEW PLUMBING PIPING, PAINT PT-6. REFER TO PLUMBING DRAWINGS.

- NEW LIGHT FIXTURE. REFER TO ELECTRICAL DRAWINGS. NEW MECHANICAL DUCTWORK, PAINT PT-6. REFER TO MECHANICAL DRAWING
- NEW METAL PANEL SOFFIT. REFER TO DETAILS. NEW PETROLEUM CANOPY LIGHT. REFER TO ELECTRICAL DRAWINGS.



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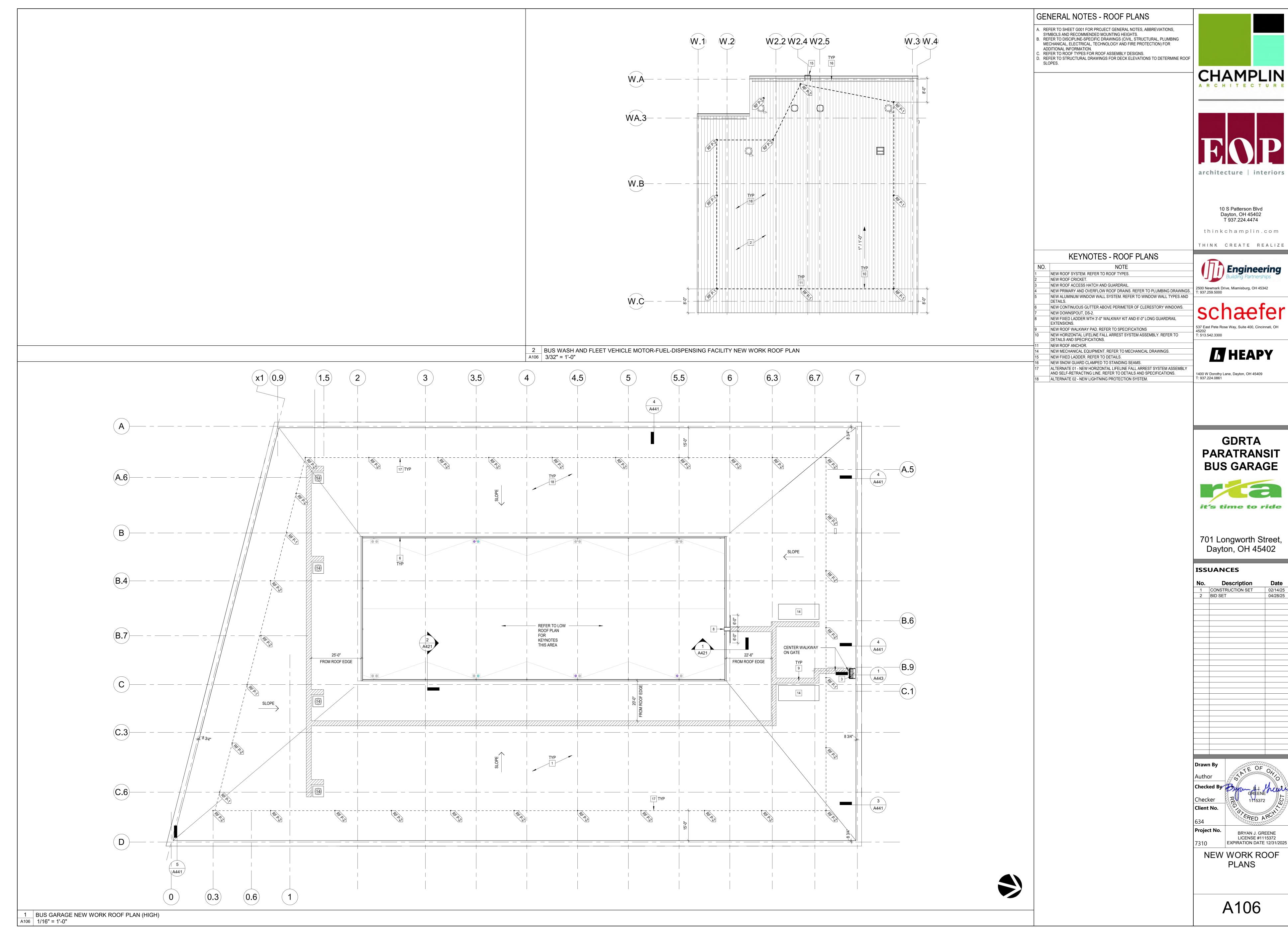
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140.	Description	Date
1	CONSTRUCTION SET	02/14/25
2	BID SET	04/28/25

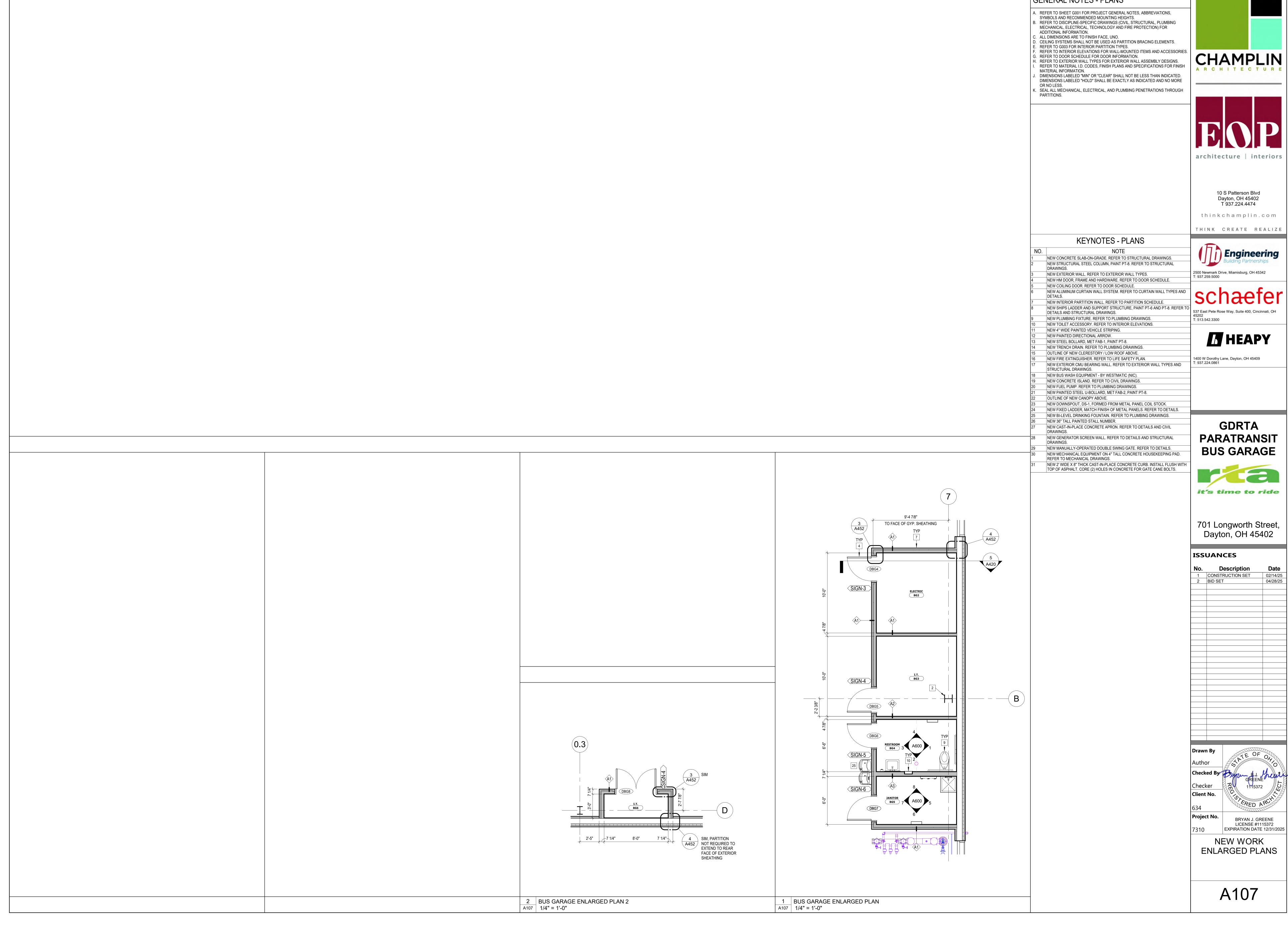
BRYAN J. GREENE LICENSE #1115372 EXPIRATION DATE 12/31/2025

NEW WORK REFLECTED CEILING **PLANS**

GENERAL NOTES - ROOF PLANS A. REFER TO SHEET G001 FOR PROJECT GENERAL NOTES, ABBREVIATIONS, SYMBOLS AND RECOMMENDED MOUNTING HEIGHTS. B. REFER TO DISCIPLINE-SPECIFIC DRAWINGS (STRUCTURAL, PLUMBING MECHANICAL, ELECTRICAL, TECHNOLOGY AND FIRE PROTECTION) FOR ADDITIONAL INFORMATION. C. REFER TO ROOF TYPES FOR ROOF ASSEMBLY DESIGNS. D. REFER TO STRUCTURAL DRAWINGS FOR DECK ELEVATIONS TO DETERMINE ROOF **CHAMPLIN** architecture | interiors 10 S Patterson Blvd Dayton, OH 45402 T 937.224.4474 thinkchamplin.com THINK CREATE REALIZE **KEYNOTES - ROOF PLANS** NEW ROOF SYSTEM. REFER TO ROOF TYPES. NEW ROOF CRICKET. NEW ROOF ACCESS HATCH AND GUARDRAIL. 2500 Newmark Drive, Miamisburg, OH 45342 NEW PRIMARY AND OVERFLOW ROOF DRAINS. REFER TO PLUMBING DRAWINGS. T: 937.259.5000 NEW ALUMINUM WINDOW WALL SYSTEM. REFER TO WINDOW WALL TYPES AND NEW CONTINUOUS GUTTER ABOVE PERIMETER OF CLERESTORY WINDOWS. NEW DOWNSPOUT, DS-2. NEW FIXED LADDER WTH 3'-0" WALKWAY KIT AND 6'-0" LONG GUARDRAIL EXTENSIONS. 537 East Pete Rose Way, Suite 400, Cincinnati, OH NEW ROOF WALKWAY PAD. REFER TO SPECIFICATIONS ___ 45202 T: 513.542.3300 NEW HORIZONTAL LIFELINE FALL ARREST SYSTEM ASSEMBLY. REFER TO DETAILS AND SPECIFICATIONS. NEW ROOF ANCHOR. **HEAPY** NEW MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS. NEW FIXED LADDER. REFER TO DETAILS. NEW SNOW GUARD CLAMPED TO STANDING SEAMS. ALTERNATE 01 - NEW HORIZONTAL LIFELINE FALL ARREST SYSTEM ASSEMBLY 3.5 AND SELF-RETRACTING LINE. REFER TO DETAILS AND SPECIFICATIONS. 1400 W Dorothy Lane, Dayton, OH 45409 T: 937.224.0861 ALTERNATE 02 - NEW LIGHTNING PROTECTION SYSTEM. **GDRTA PARATRANSIT BUS GARAGE** A.6 it's time to ride 1'-9 1/4" 9'-6" 20'-0" 5'-5 1/2" 20'-0" 5'-5 1/2" 20'-0" 5'-5 1/2" 20'-0" 5'-5 1/2" 20'-0" 5'-5 1/2" 1'-9 1/4" 701 Longworth Street, Dayton, OH 45402 ISSUANCES B.4 No. Description 1 CONSTRUCTION SET 2 BID SET RIDGE B.7 (C.3) BRYAN J. GREENE LICENSE #1115372 EXPIRATION DATE 12/31/2025 D **NEW WORK ROOF PLANS** A105 1 BUS GARAGE NEW WORK ROOF PLAN (LOW) A105 1/16" = 1'-0"







GENERAL NOTES - PLANS





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02/14/25





NIGHT TIME VIEW OF NORTHEAST CORNER OF BUS WASH AND FLEET VEHICLE MOTOR-FUEL DISPENSING FACILITY

DAY TIME VIEW OF NORTHEAST CORNER OF BUS WASH AND FLEET VEHICLE MOTOR-FUEL DISPENSING FACILITY





NIGHT TIME VIEW OF SOUTHWEST CORNER OF BUS GARAGE

DAY TIME VIEW OF SOUTHWEST CORNER OF BUS GARAGE





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BUS GARAGE

it's time to ride

701 Longworth Street, Dayton, OH 45402

ISSUANCES

No. Description

1 CONSTRUCTION SET 02/14/25
2 BID SET 04/28/25

Author

Checked By

Checker

Client No.

634

Project No.

B.J.

GREENE

1115372

B.J.

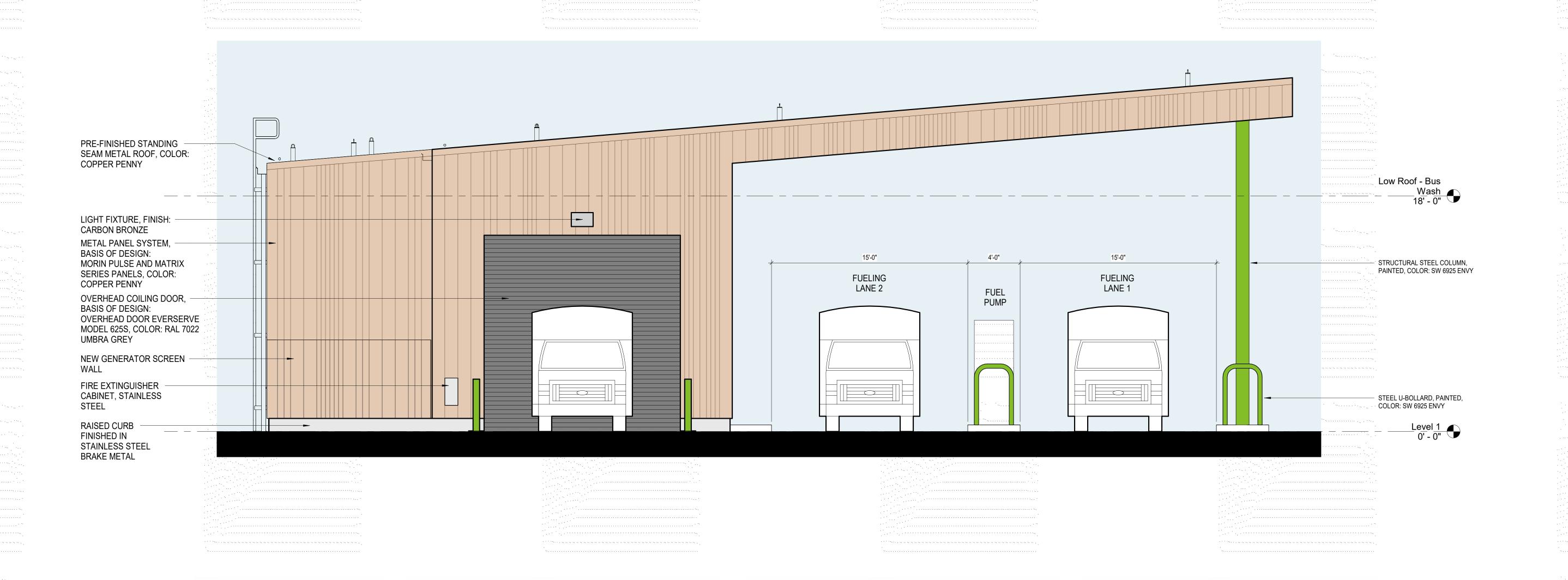
GREENE

LICENSE #11

BRYAN J. GREENE
LICENSE #1115372
EXPIRATION DATE 12/31/2025

BUILDING

RENDERINGS



BUS WASH AND FLEET VEHICLE MOTOR-FUEL DISPENSING FACILITY SOUTH ELEVATION - RENDERED 1/4" = 1'-0"





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GDRTA **PARATRANSIT BUS GARAGE**



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ISSUANCES

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1	CONSTRUCTION SET	02/14/25
2	BID SET	04/28/25

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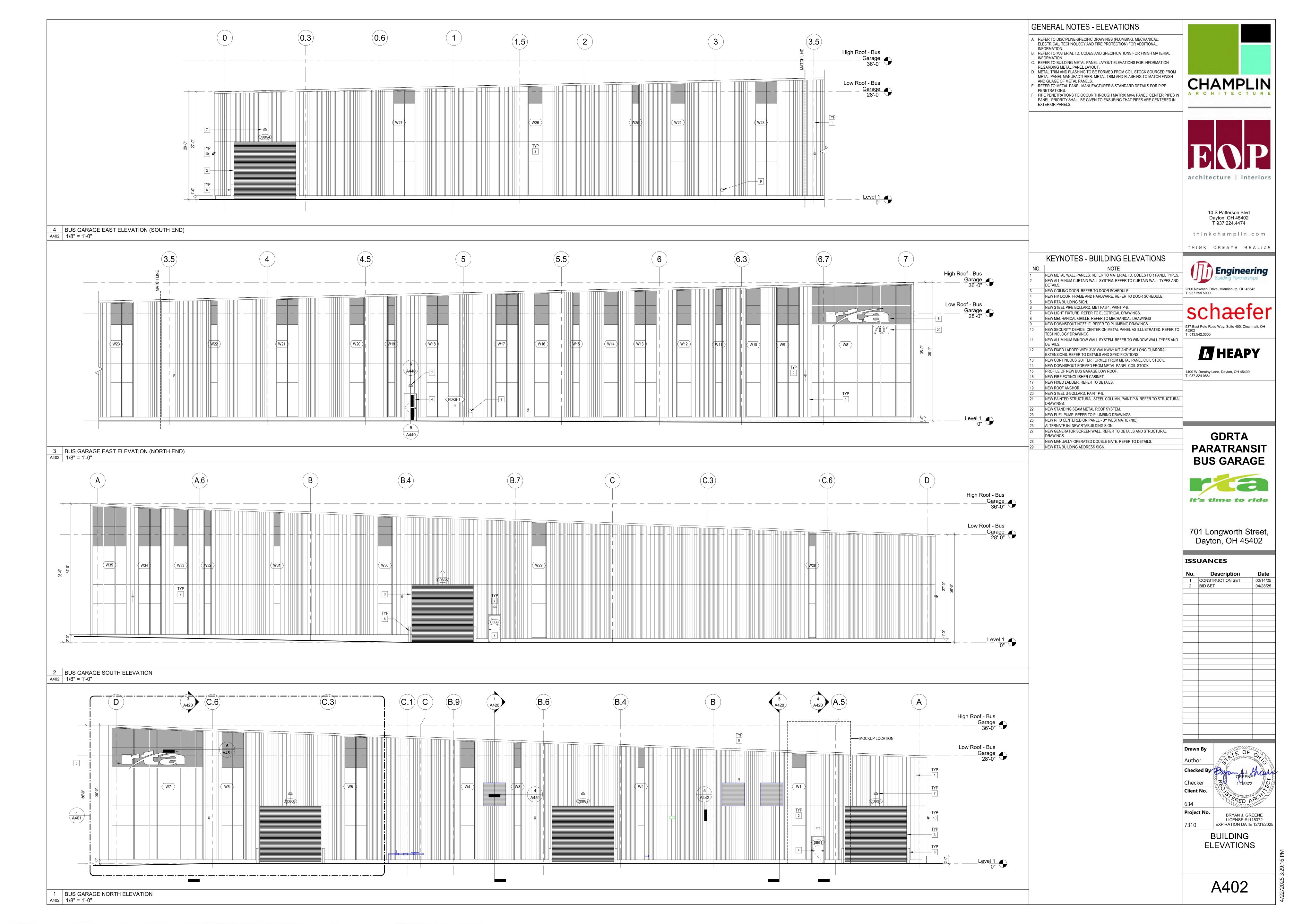
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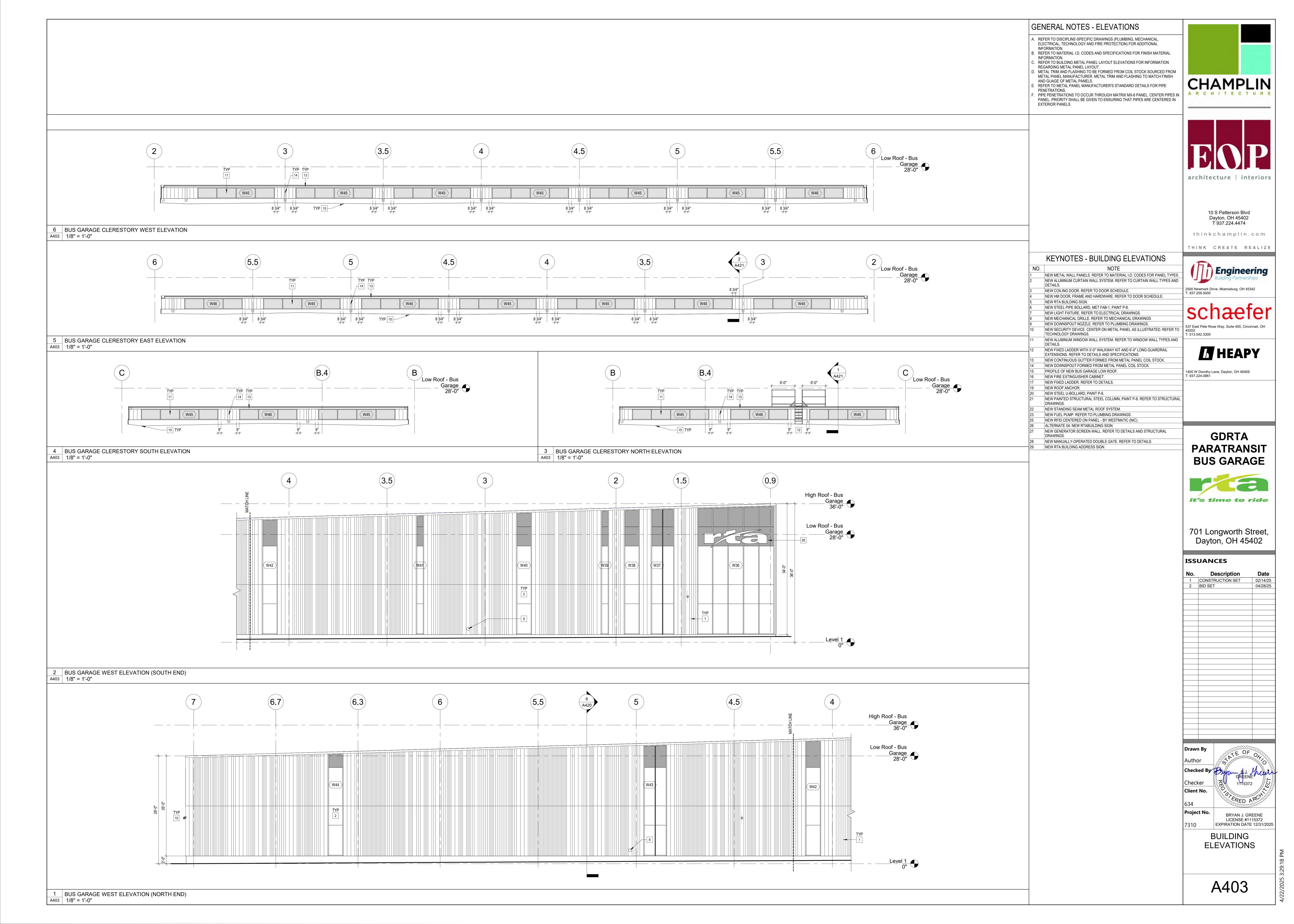
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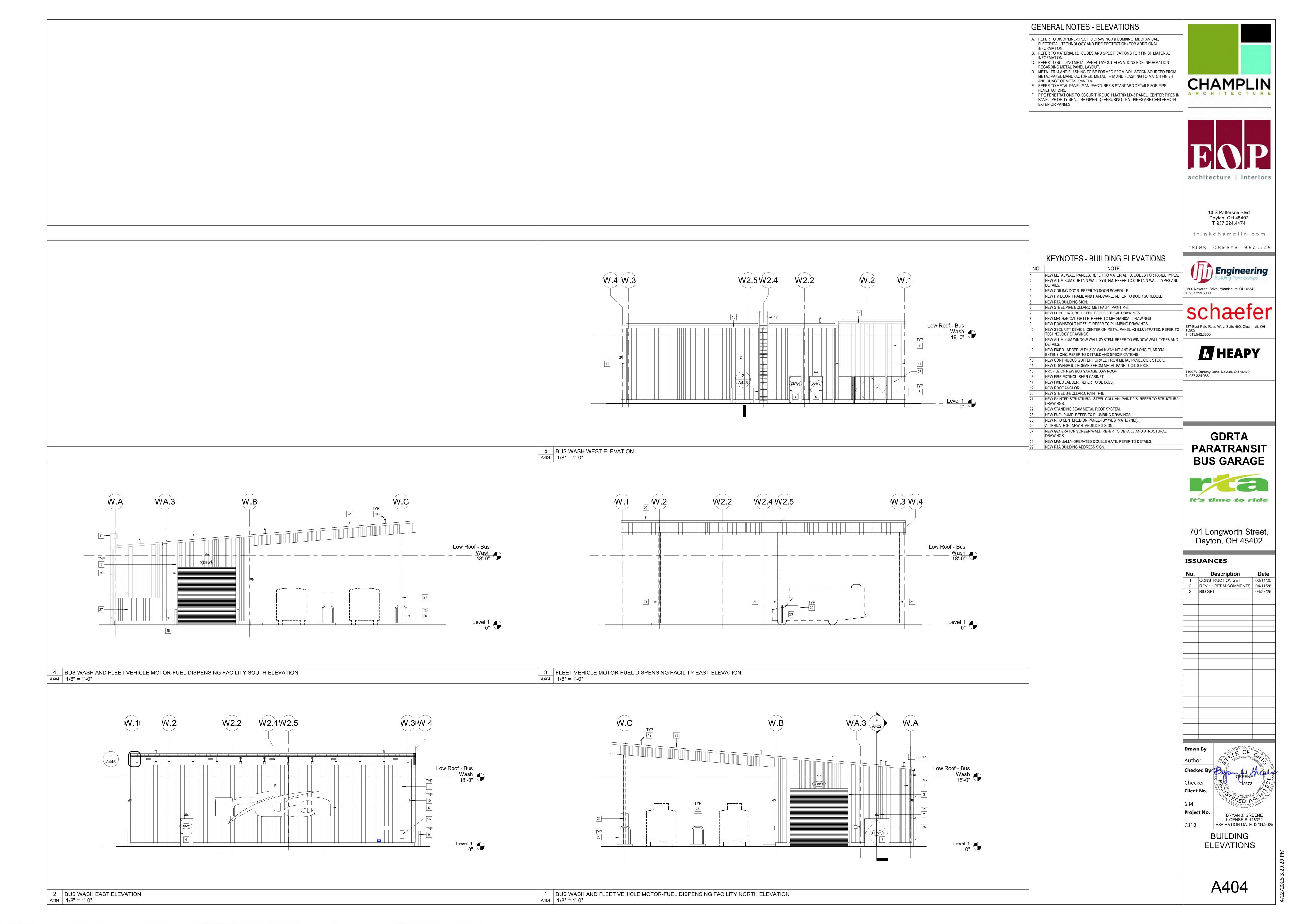
Project No. BRYAN J. GREENE

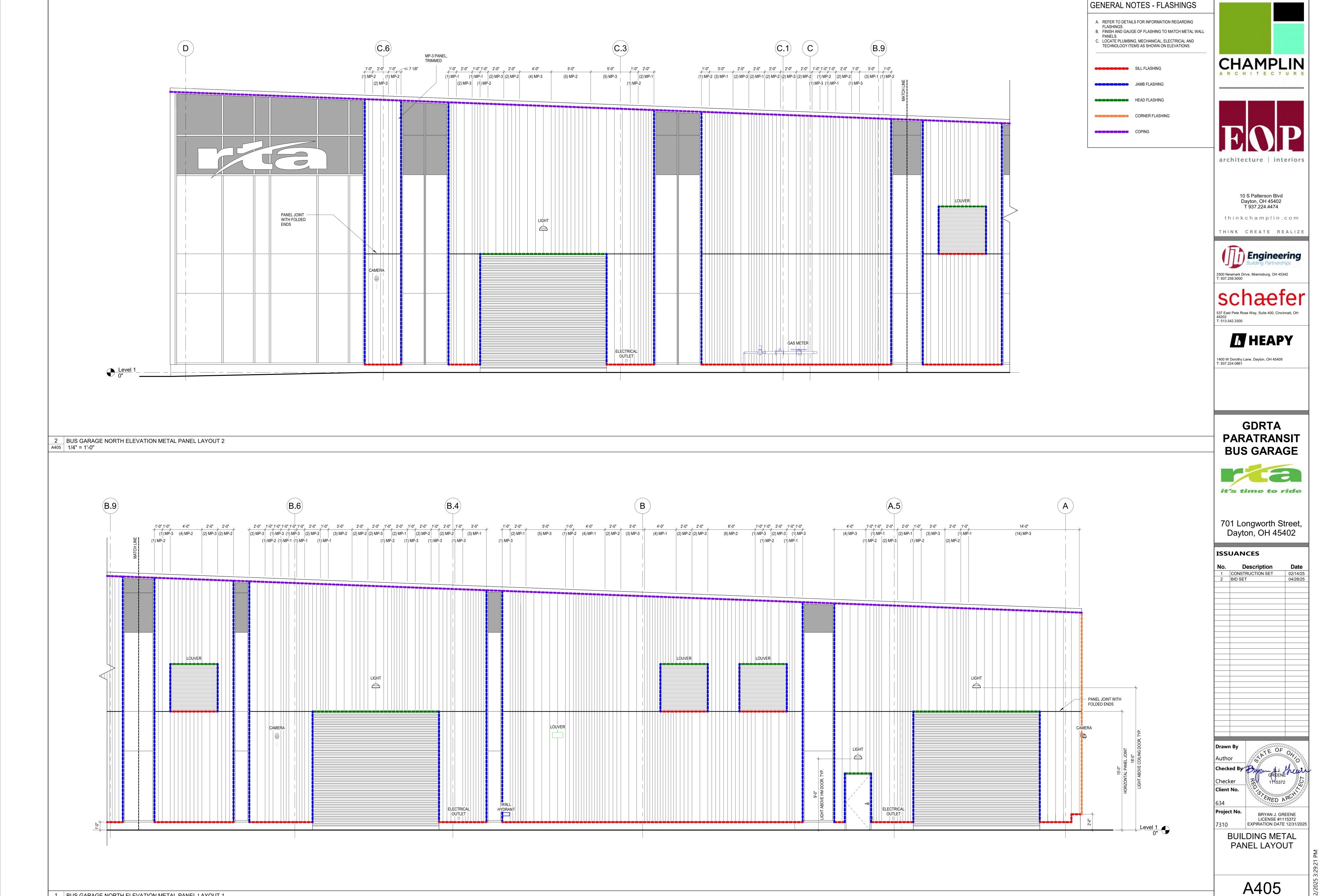
LICENSE #1115372 EXPIRATION DATE 12/31/2025 BUILDING

MATERIALITY



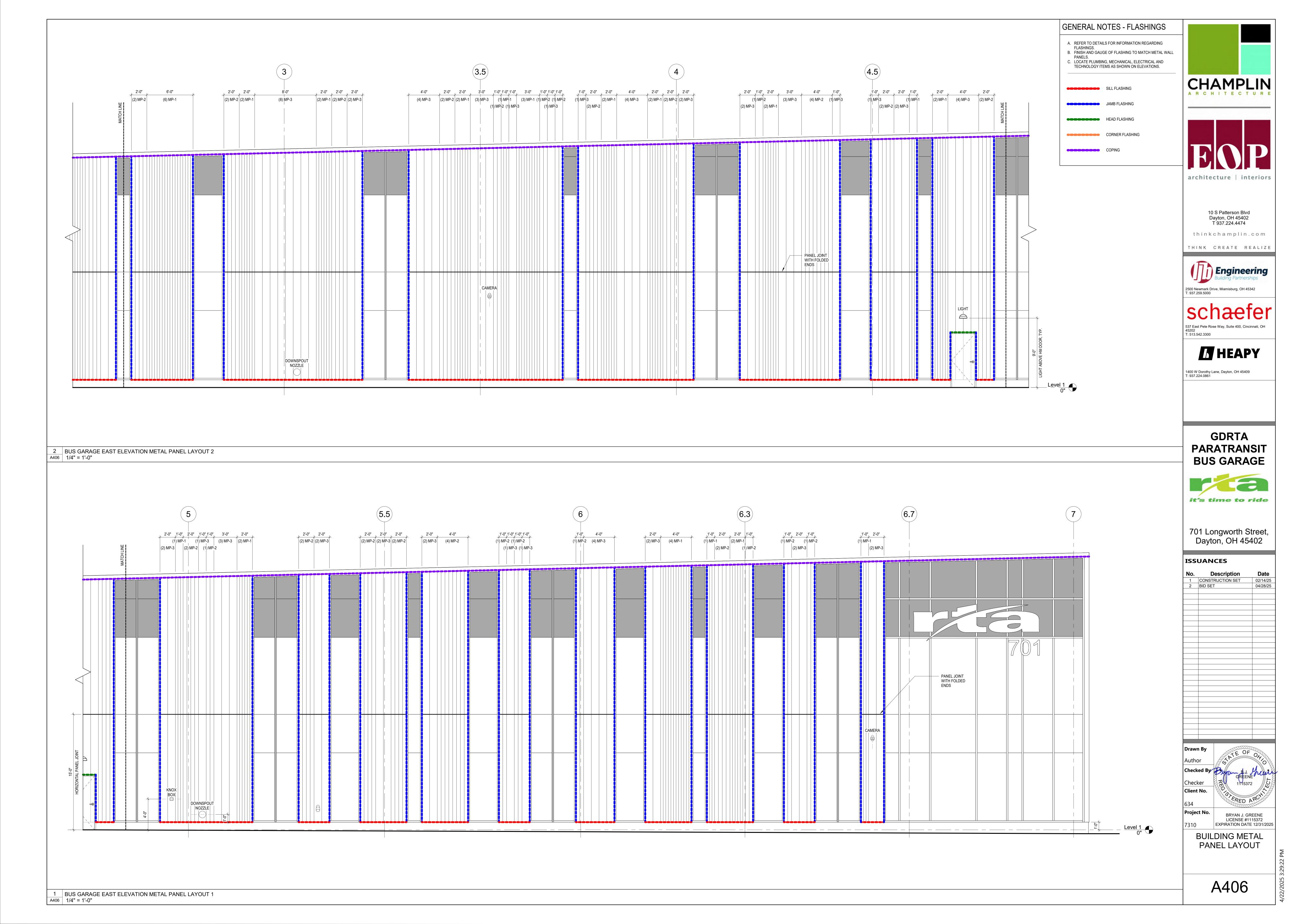






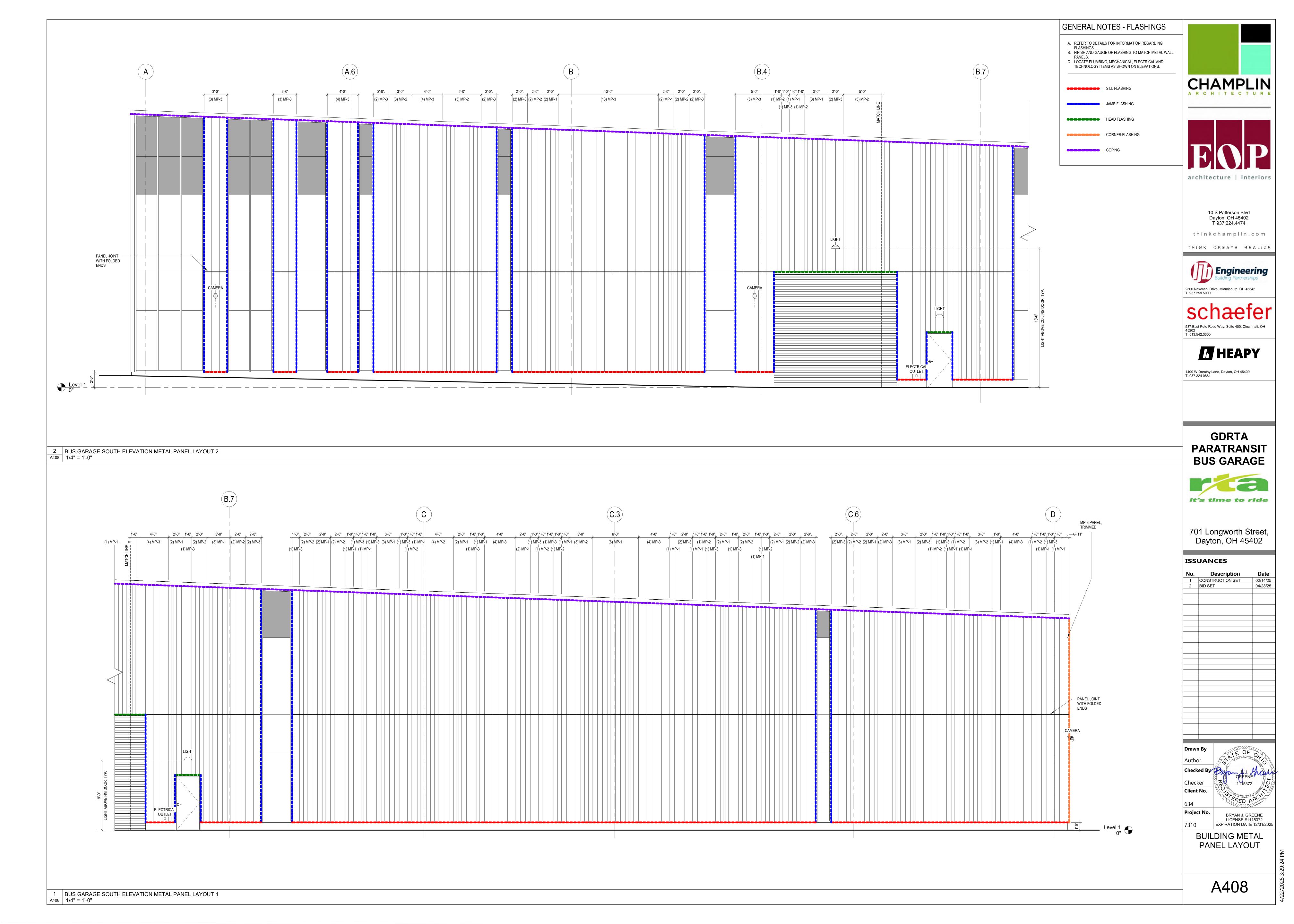
BUS GARAGE NORTH ELEVATION METAL PANEL LAYOUT 1

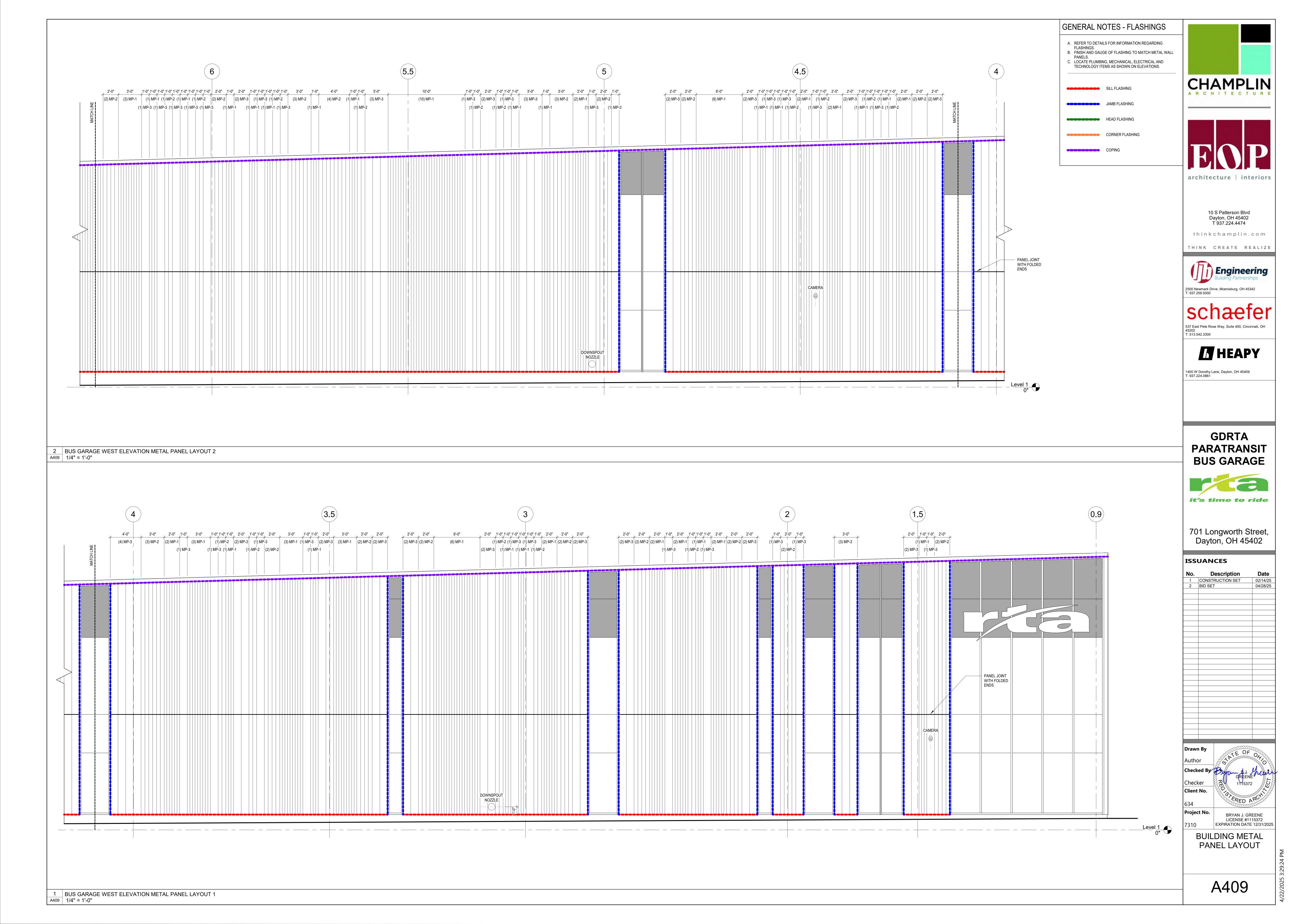
A405 1/4" = 1'-0"



A. REFER TO DETAILS FOR INFORMATION REGARDING B. FINISH AND GAUGE OF FLASHING TO MATCH METAL WALL C. LOCATE PLUMBING, MECHANICAL, ELECTRICAL AND TECHNOLOGY ITEMS AS SHOWN ON ELEVATIONS. **CHAMPLIN** SILL FLASHING JAMB FLASHING HEAD FLASHING CORNER FLASHING architecture | interiors 10 S Patterson Blvd Dayton, OH 45402 T 937.224.4474 thinkchamplin.com THINK CREATE REALIZE 2500 Newmark Drive, Miamisburg, OH 45342 T: 937.259.5000 537 East Pete Rose Way, Suite 400, Cincinnati, OH 45202 T: 513.542.3300 **M** HEAPY 1400 W Dorothy Lane, Dayton, OH 45409 T: 937.224.0861 **GDRTA PARATRANSIT BUS GARAGE** it's time to ride 701 Longworth Street, Dayton, OH 45402 2'-0" 2'-0" 2'-0" 1'-0" 1'-0" 1'-0" 1'-0" 3'-0" 2'-0" 1'-0" 2'-0" 1'-0". 2'-0" 2'-0" 2'-0" 1'-0", 1'-0", 1'-0" 3'-0" 2'-0" 1'-0" 2'-0" 1'-0", 2'-0" 1'-0", 2'-0" 1'-0", 1'-0" (2) MP-2 (1) MP-3 (1) MP-2 (1) MP-2 (1) MP-3 ISSUANCES No. Description 1 CONSTRUCTION SET 2 BID SET PANEL JOINT — WITH FOLDED ENDS ELECTRICAL OUTLET BRYAN J. GREENE LICENSE #1115372 EXPIRATION DATE 12/31/2025 Level 1 **BUILDING METAL** PANEL LAYOUT A407 BUS GARAGE EAST ELEVATION METAL PANEL LAYOUT 3 A407 1/4" = 1'-0"

GENERAL NOTES - FLASHINGS





GENERAL NOTES - FLASHINGS A. REFER TO DETAILS FOR INFORMATION REGARDING FLASHINGS. B. FINISH AND GAUGE OF FLASHING TO MATCH METAL WALL PANELS. C. LOCATE PLUMBING, MECHANICAL, ELECTRICAL AND TECHNOLOGY ITEMS AS SHOWN ON ELEVATIONS. SILL FLASHING HEAD FLASHING CORNER FLASHING COPING







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GDRTA PARATRANSIT BUS GARAGE



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ISSUANCES



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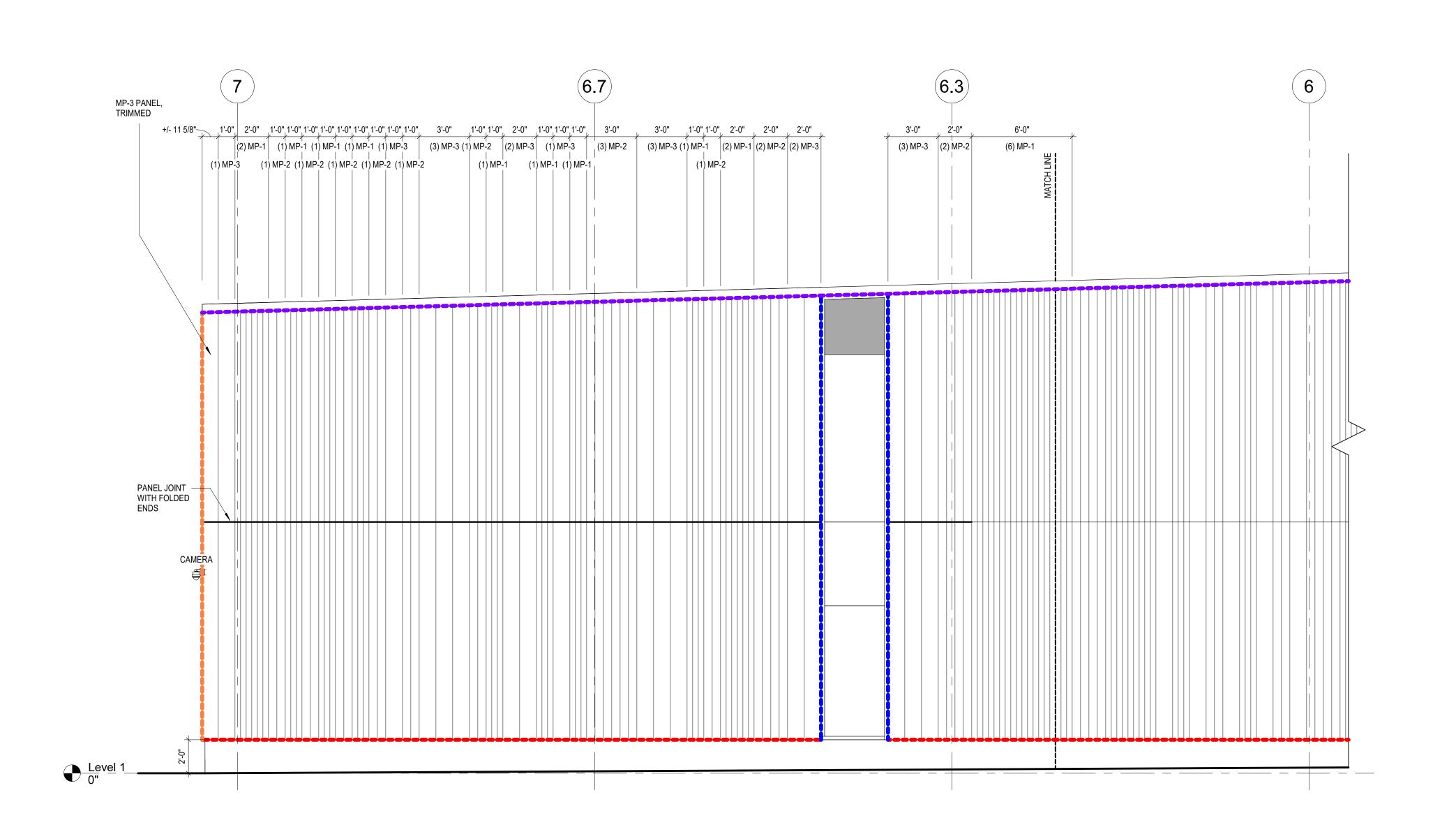
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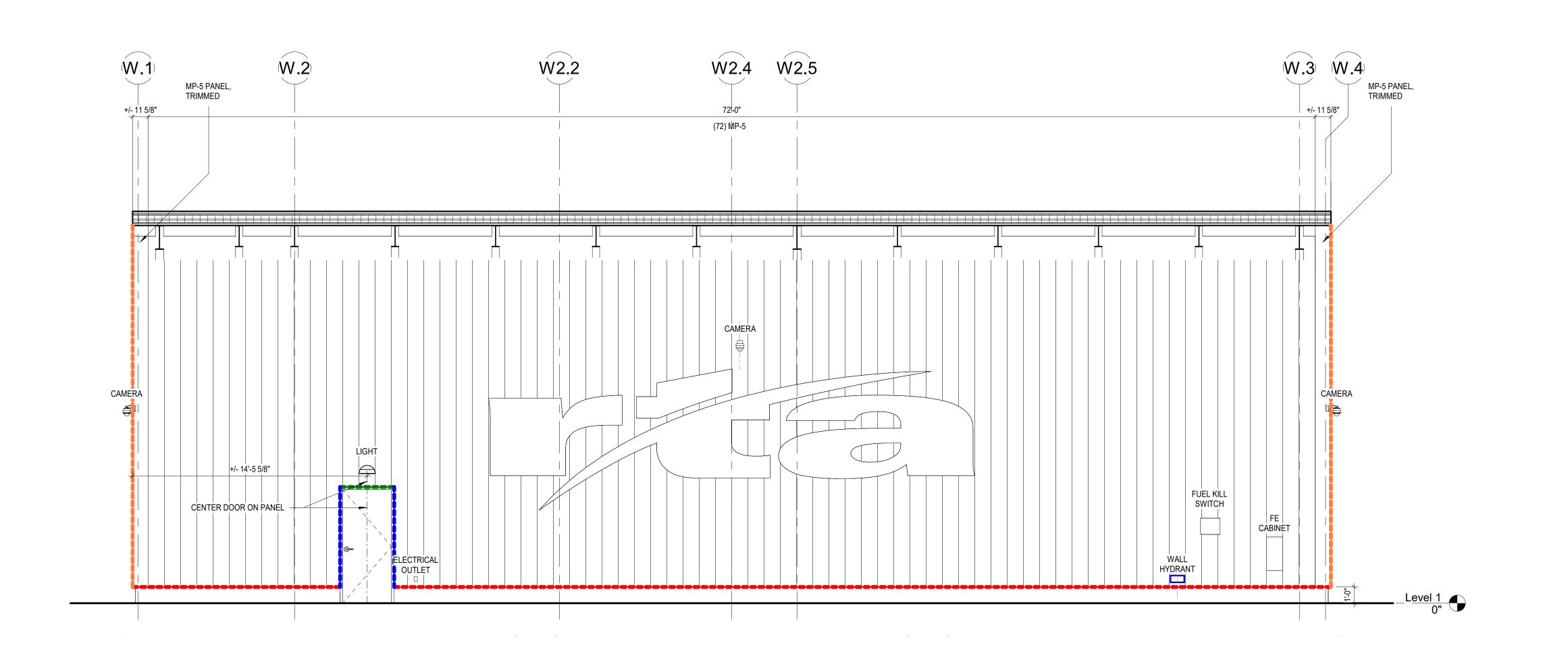
Project No.

BRYAN J. GREENE LICENSE #1115372
EXPIRATION DATE 12/31/2025

BUILDING METAL

PANEL LAYOUT





GENERAL NOTES - FLASHINGS

A. REFER TO DETAILS FOR INFORMATION REGARDING

B. FINISH AND GAUGE OF FLASHING TO MATCH METAL WALL

C. LOCATE PLUMBING, MECHANICAL, ELECTRICAL AND TECHNOLOGY ITEMS AS SHOWN ON ELEVATIONS.

HEAD FLASHING CORNER FLASHING

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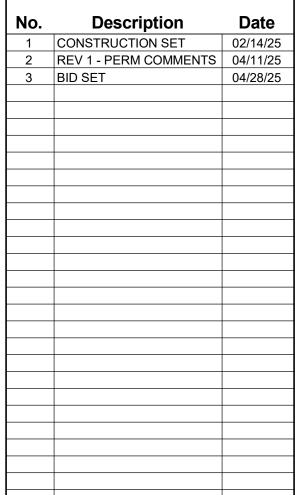
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it's time to ride

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ISSUANCES

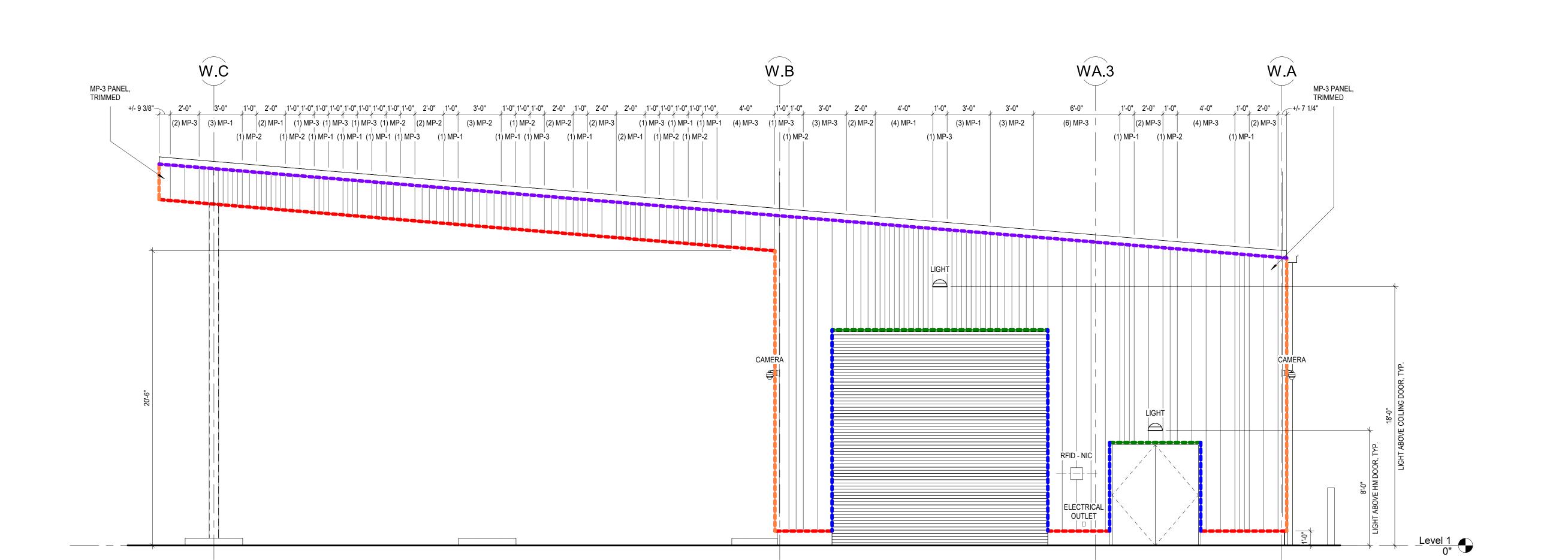


BRYAN J. GREENE
LICENSE #1115372
EXPIRATION DATE 12/31/2025

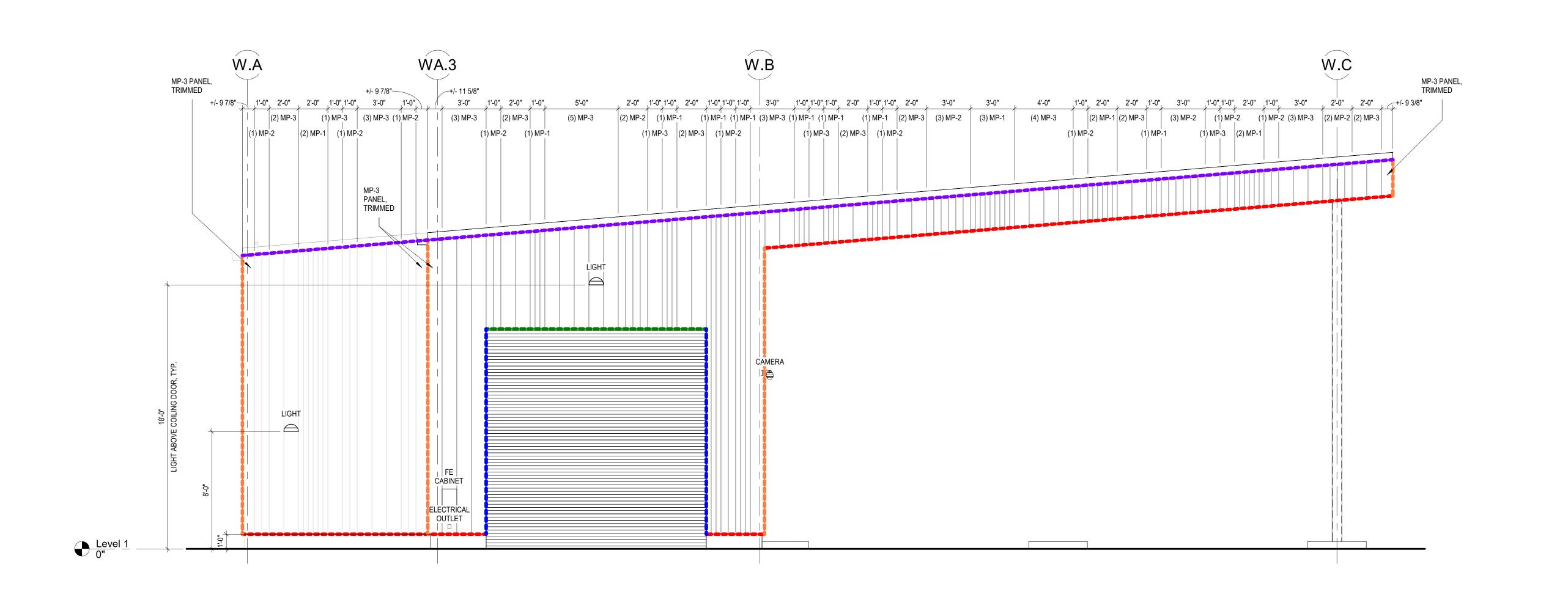
BUILDING METAL

PANEL LAYOUT

2 BUS WASH EAST ELEVATION METAL PANEL LAYOUT 1
A411 1/4" = 1'-0"



A411 1/4" = 1'-0"



GENERAL NOTES - FLASHINGS

A. REFER TO DETAILS FOR INFORMATION REGARDING

B. FINISH AND GAUGE OF FLASHING TO MATCH METAL WALL C. LOCATE PLUMBING, MECHANICAL, ELECTRICAL AND TECHNOLOGY ITEMS AS SHOWN ON ELEVATIONS.

JAMB FLASHING

HEAD FLASHING

CORNER FLASHING

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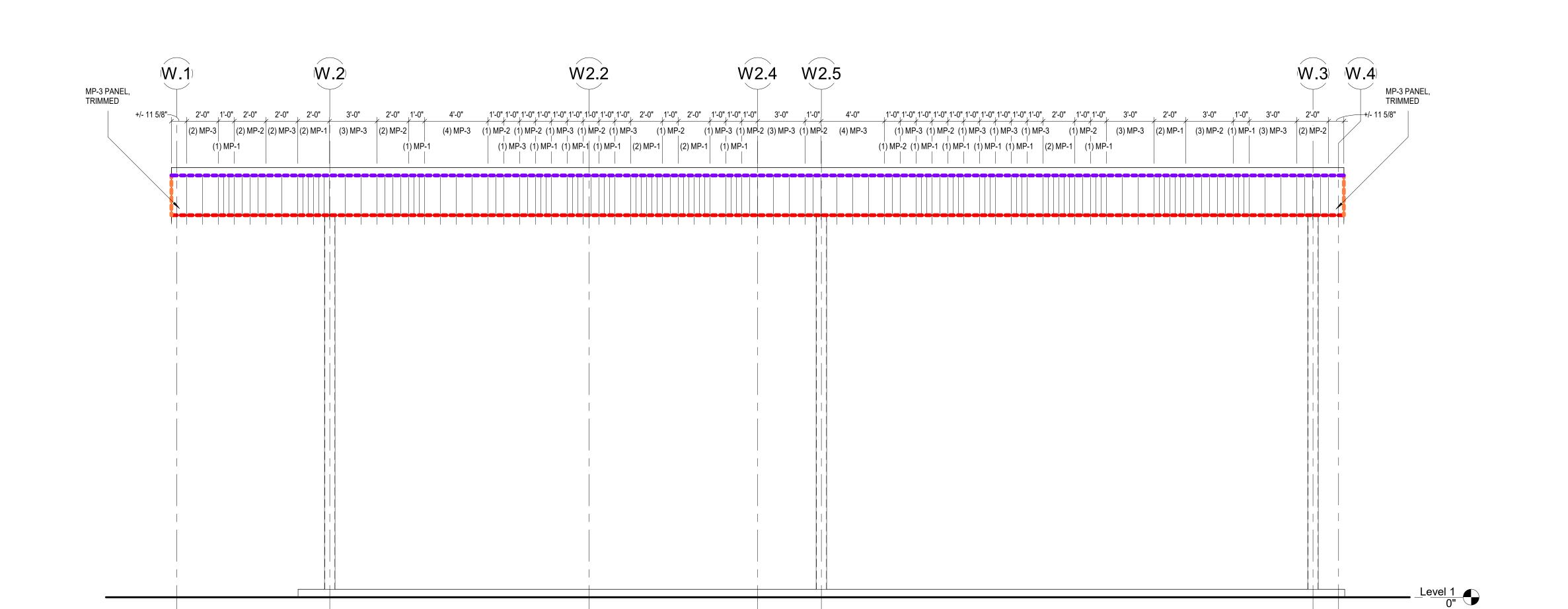
ISSUANCES

No.	Description	Date
1	CONSTRUCTION SET	02/14/25
2	BID SET	04/28/25

BRYAN J. GREENE
LICENSE #1115372
EXPIRATION DATE 12/31/2025

BUILDING METAL PANEL LAYOUT

2 BUS WASH AND FLT. VEH. MOTOR-FUEL DISPENSING FACILITY SOUTH ELEVATION METAL PANEL LAYOUT 1/4" = 1'-0"



A412 1/4" = 1'-0"

A. REFER TO DETAILS FOR INFORMATION REGARDING FLASHINGS. B. FINISH AND GAUGE OF FLASHING TO MATCH METAL WALL PANELS. C. LOCATE PLUMBING, MECHANICAL, ELECTRICAL AND TECHNOLOGY ITEMS AS SHOWN ON ELEVATIONS. SILL FLASHING JAMB FLASHING HEAD FLASHING CORNER FLASHING







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GDRTA PARATRANSIT BUS GARAGE



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ISSUANCES

No.	Description	Date
1	CONSTRUCTION SET	02/14/25
2	BID SET	04/28/25

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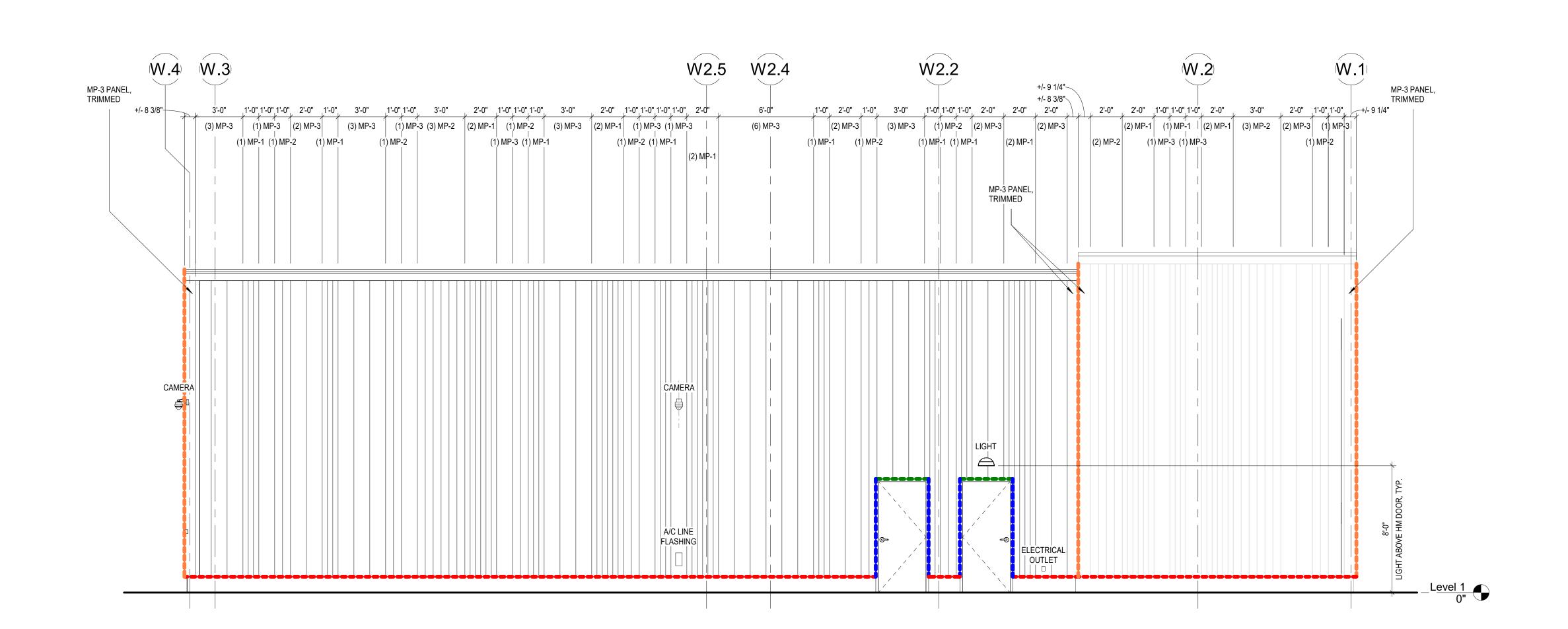
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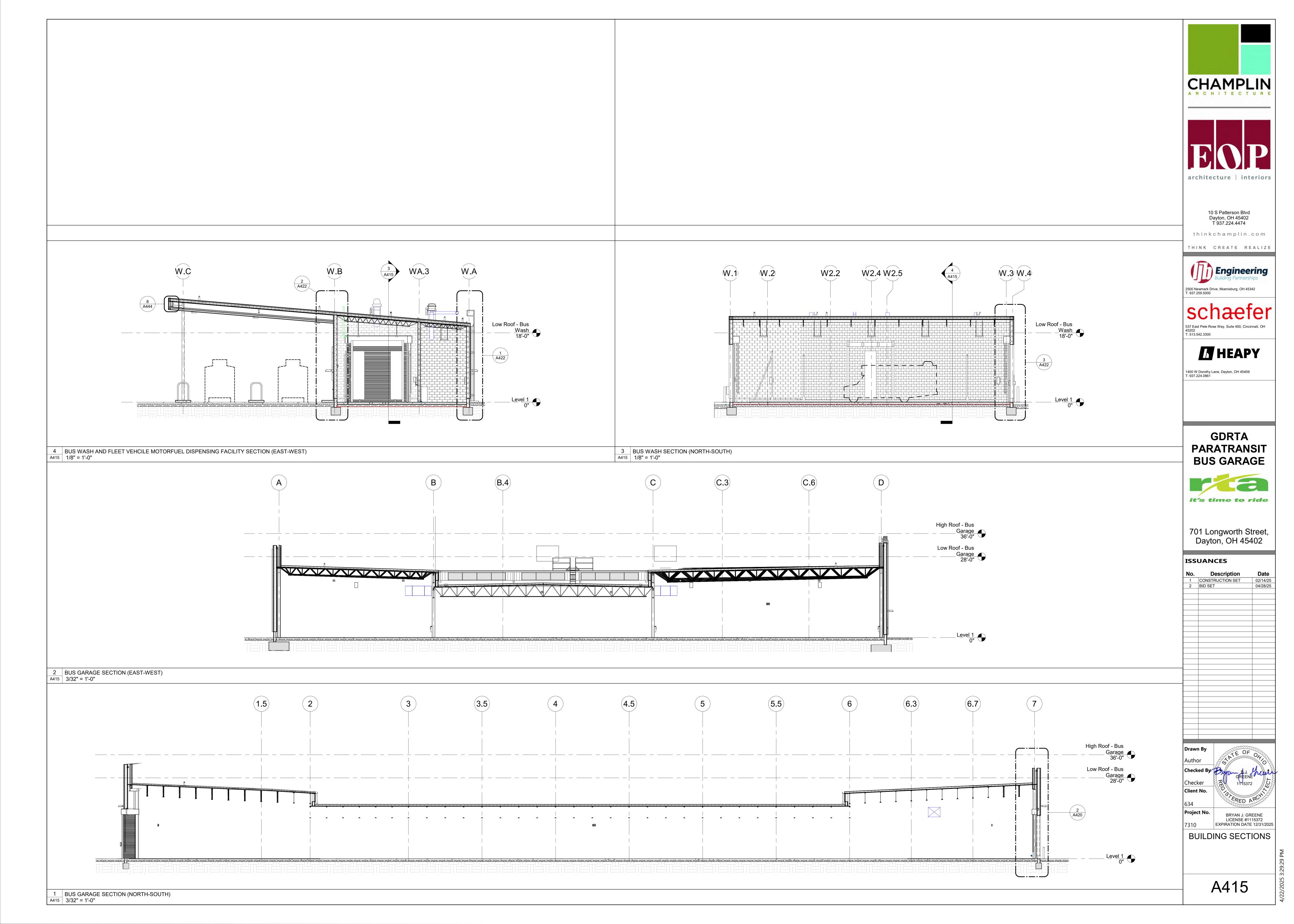
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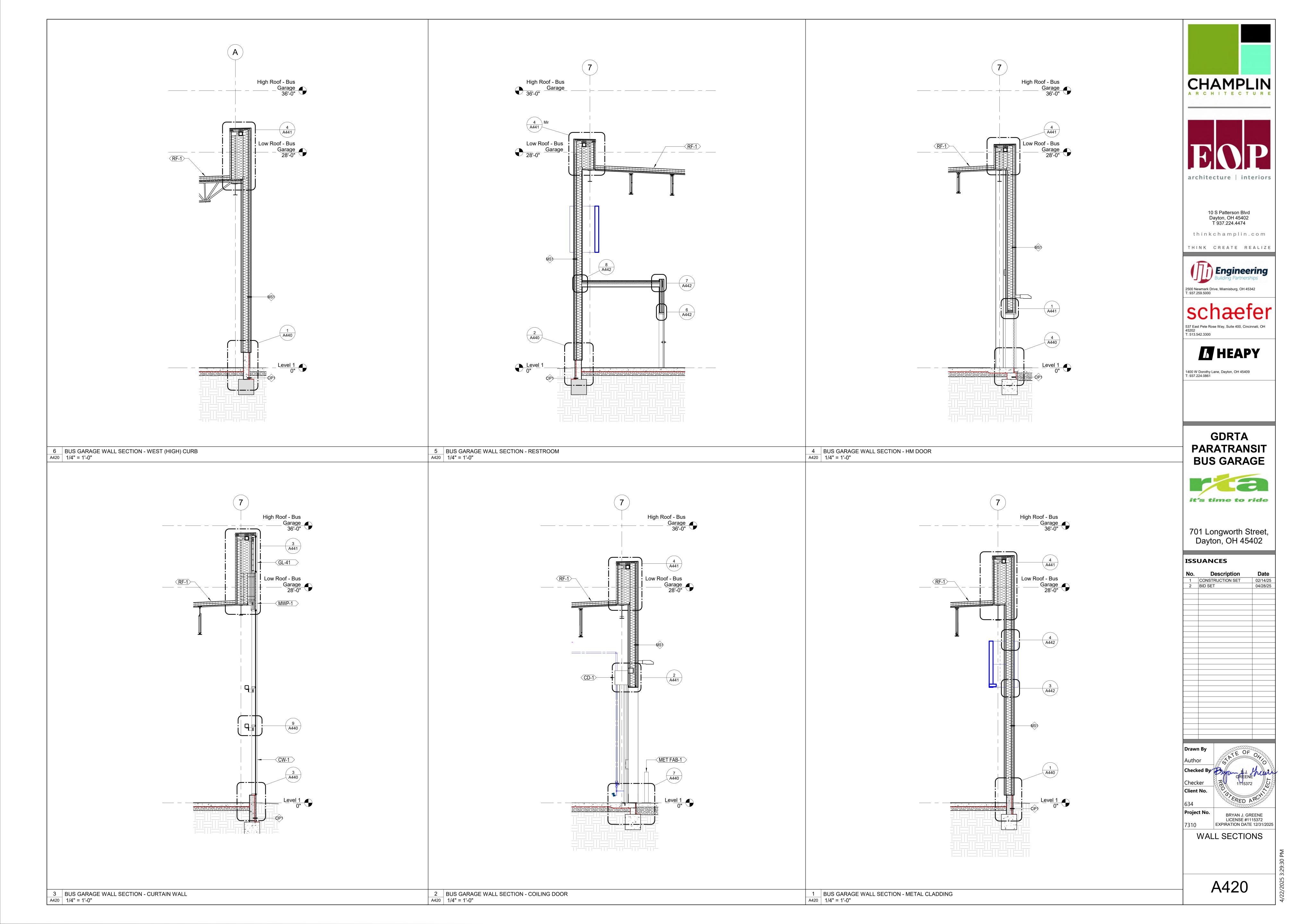
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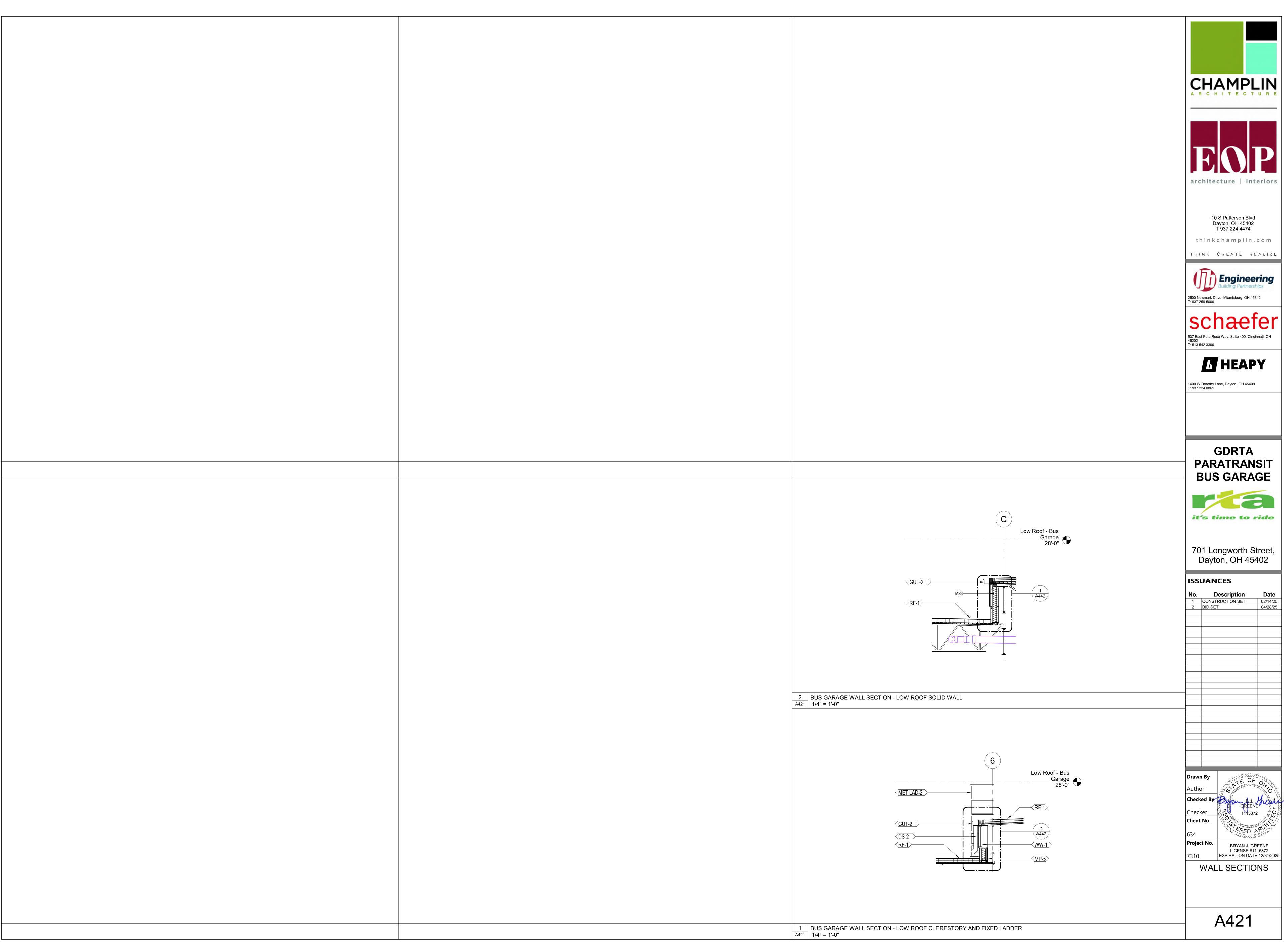
EXPIRATION DATE 12/31/2025

BUILDING METAL PANEL LAYOUT















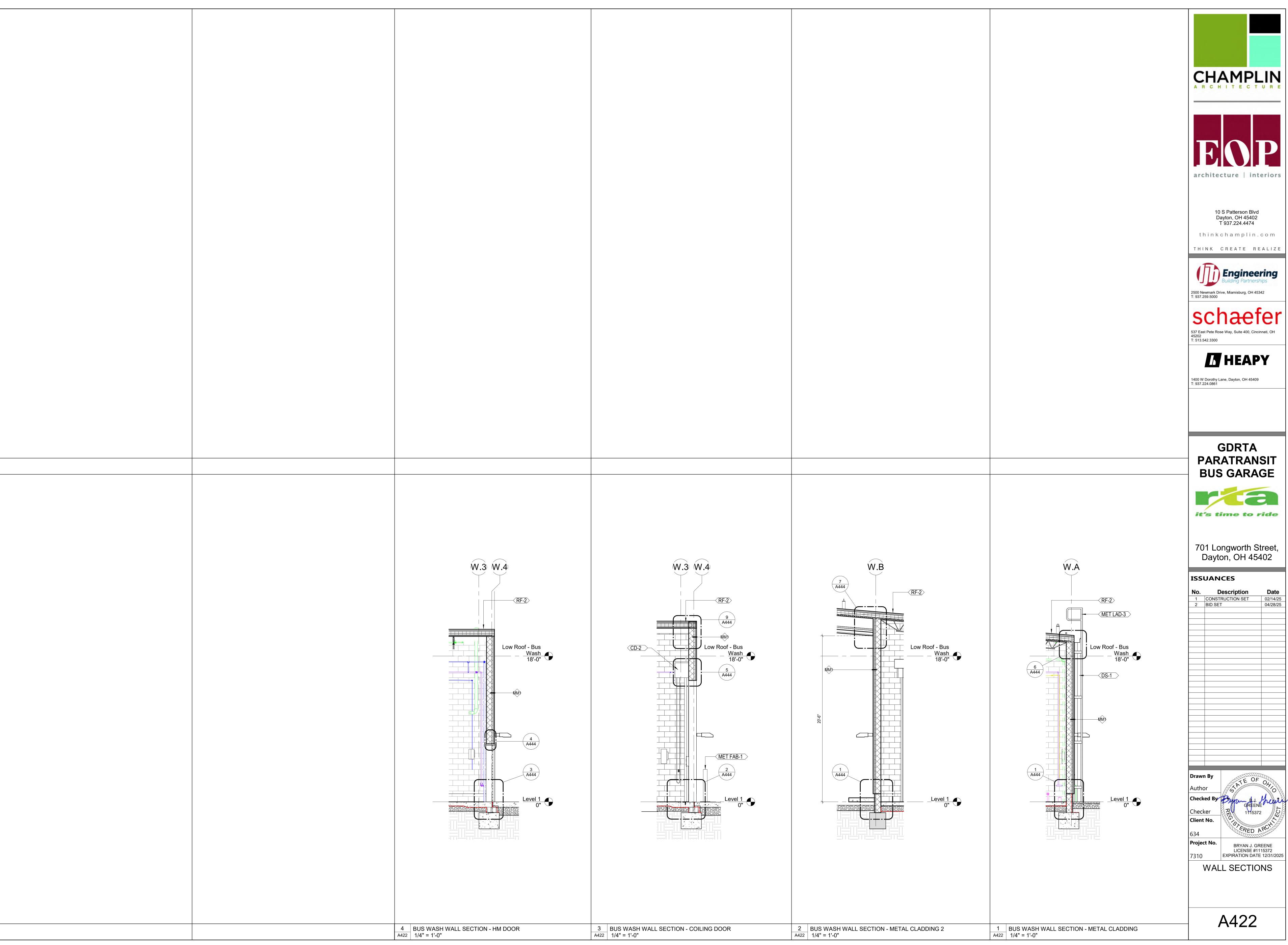








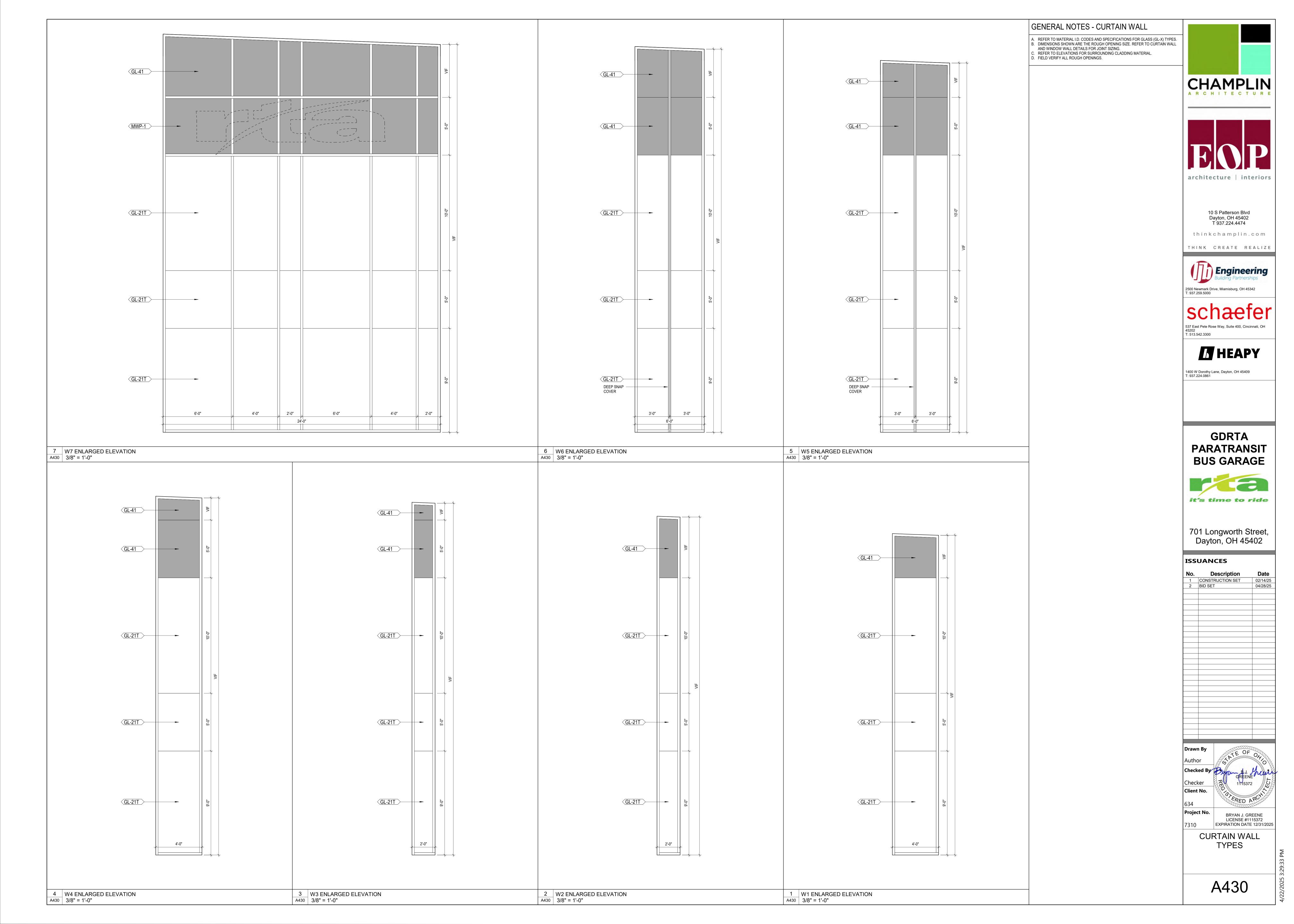
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No.	Description	Date
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2	BID SET	04/28/25

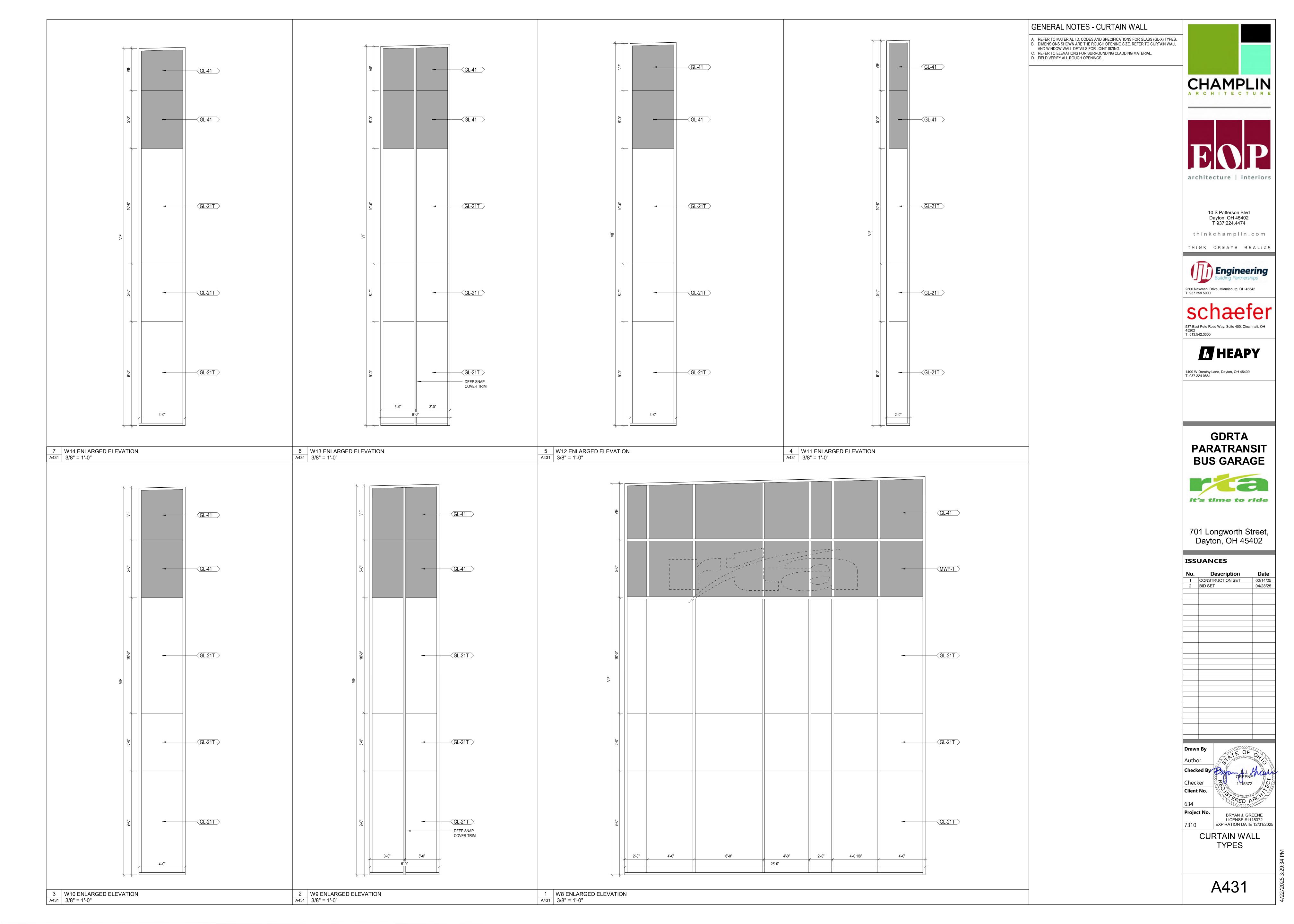


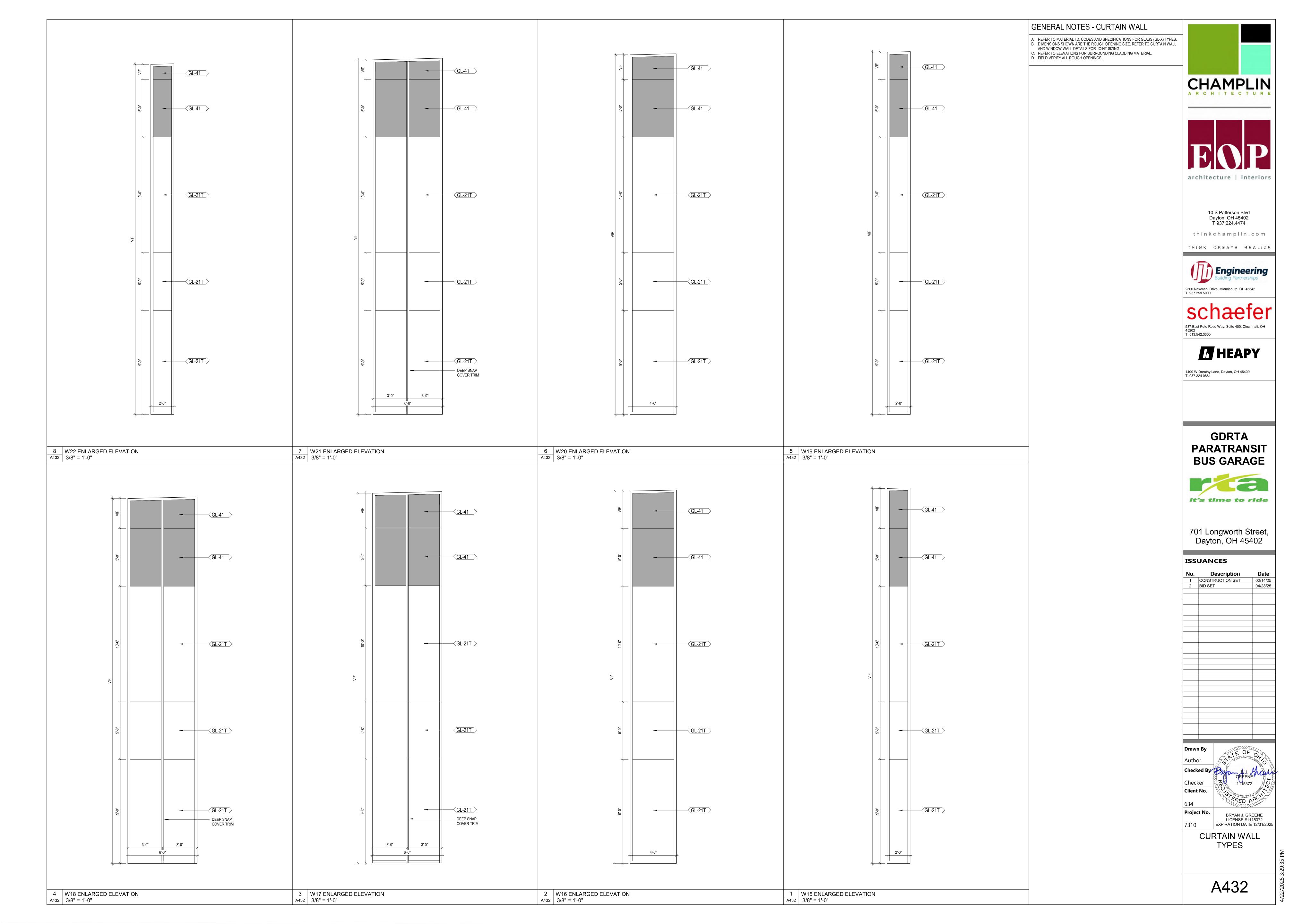


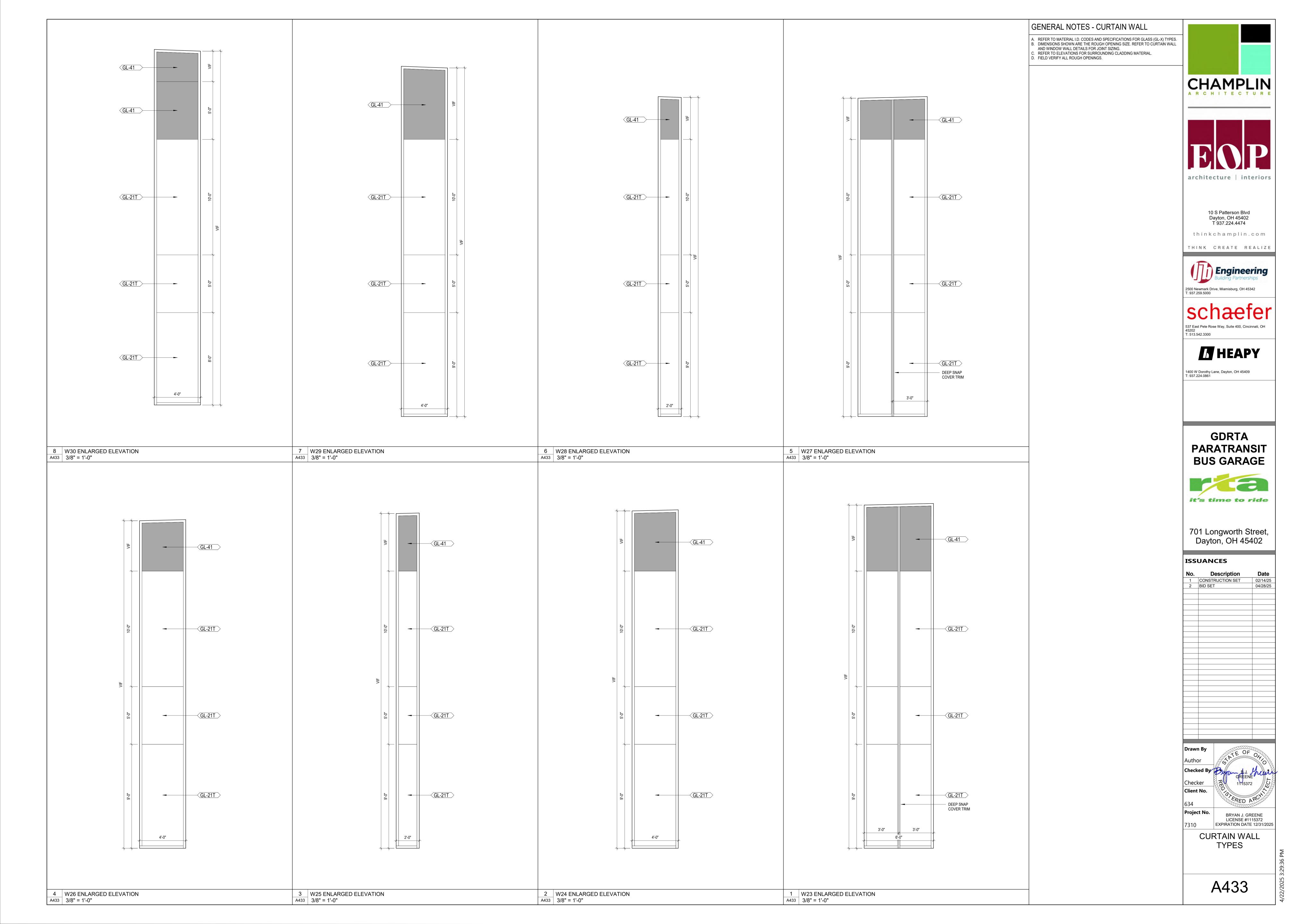


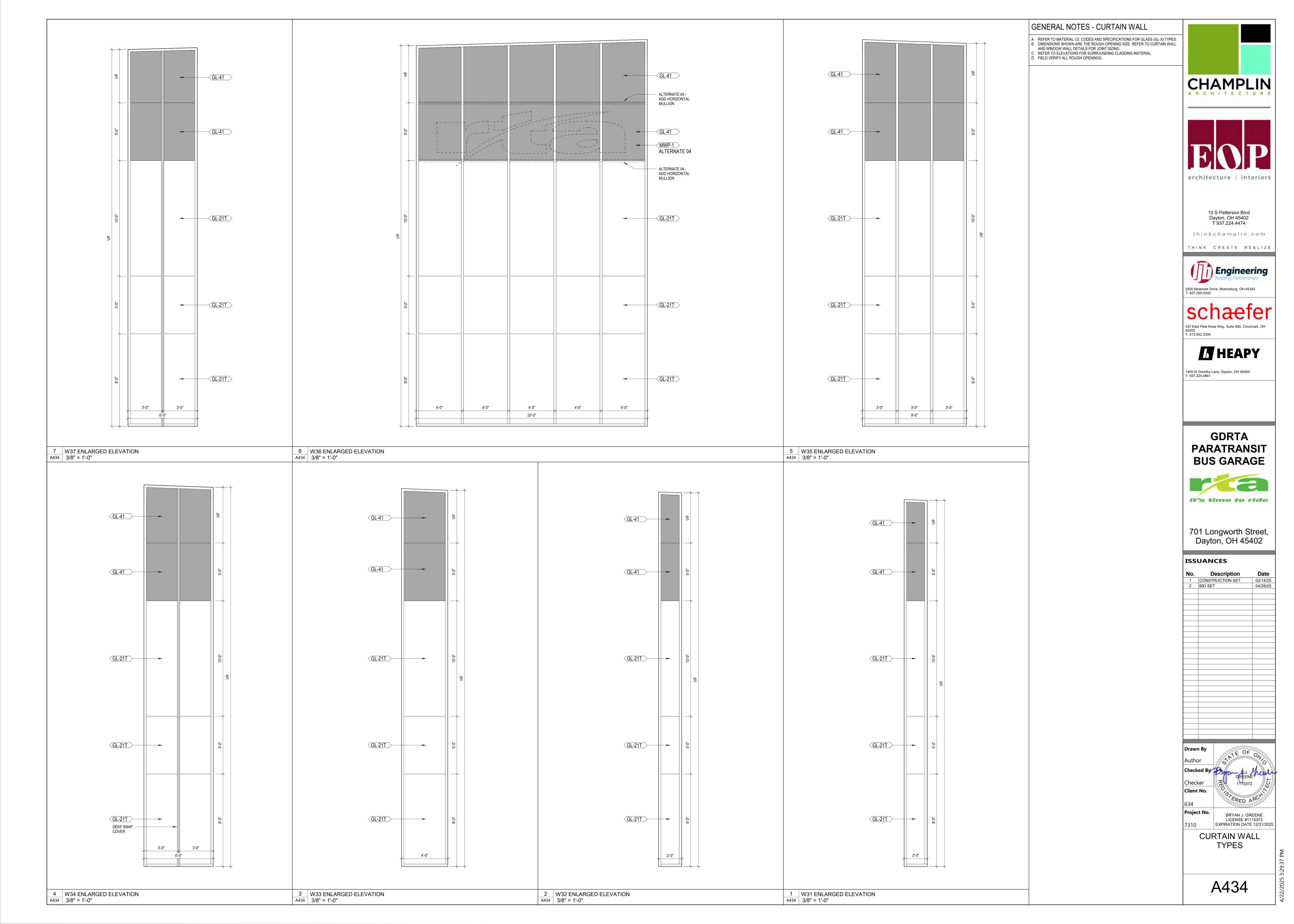
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2	BID SET	04/28/25
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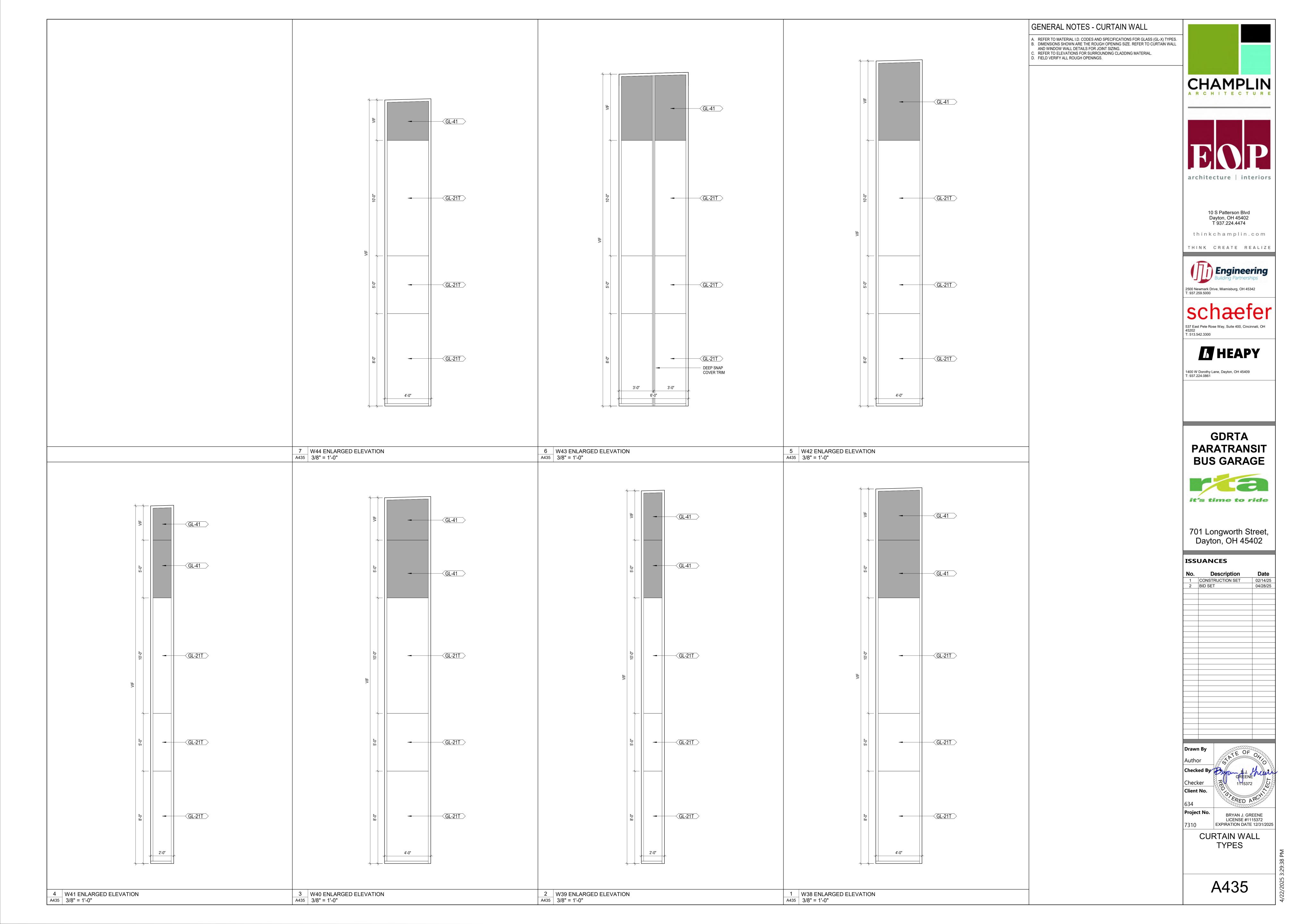


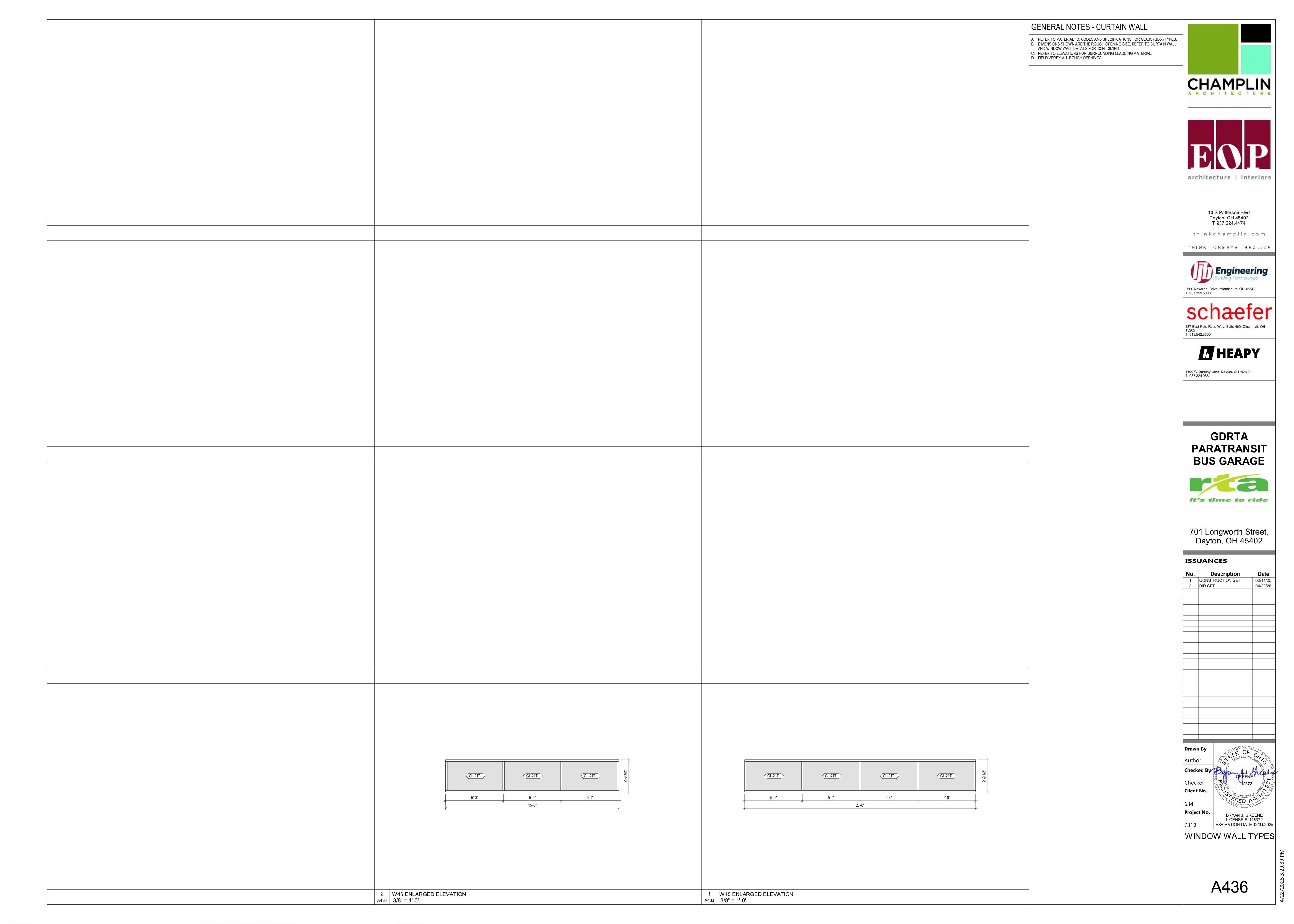


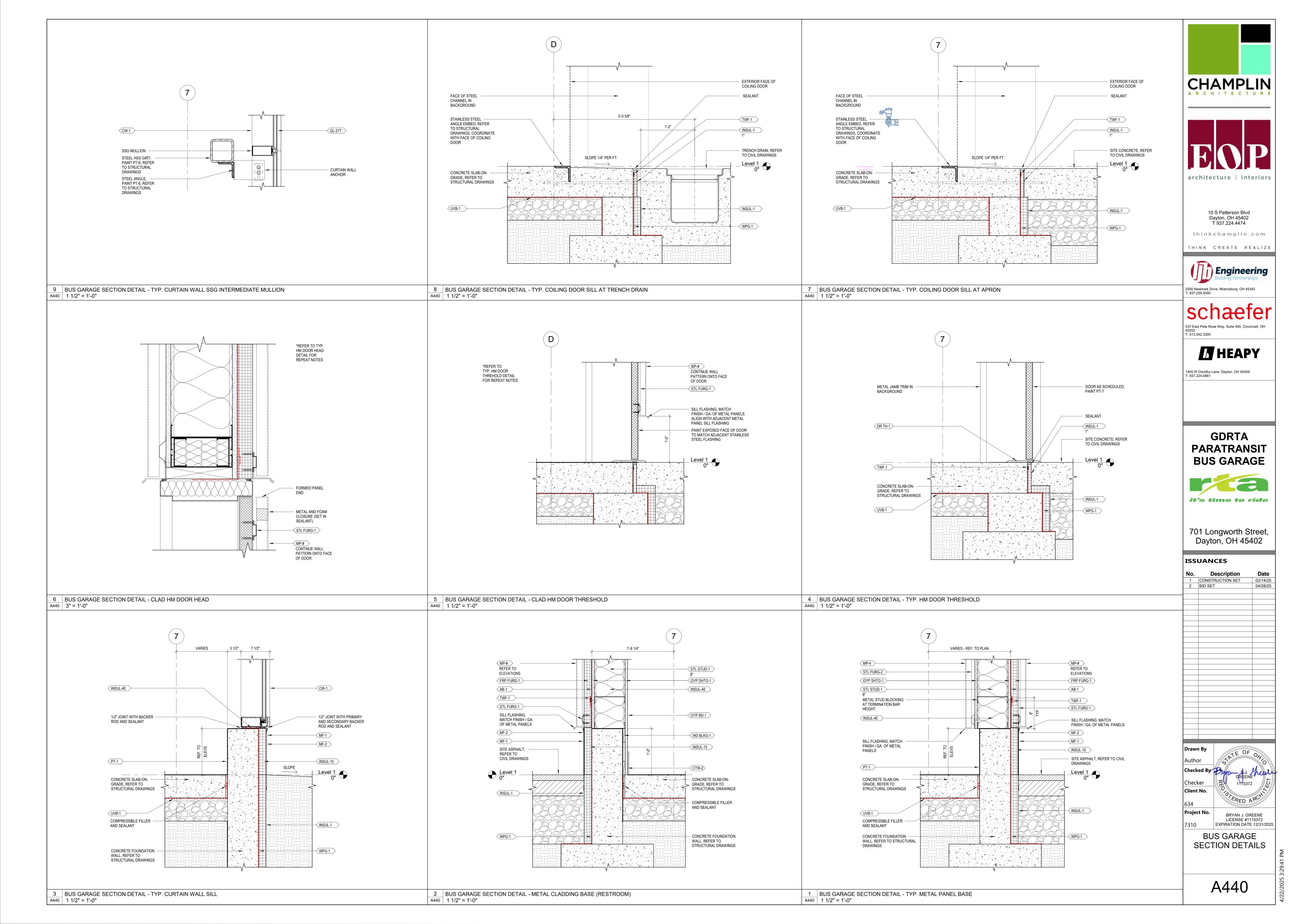


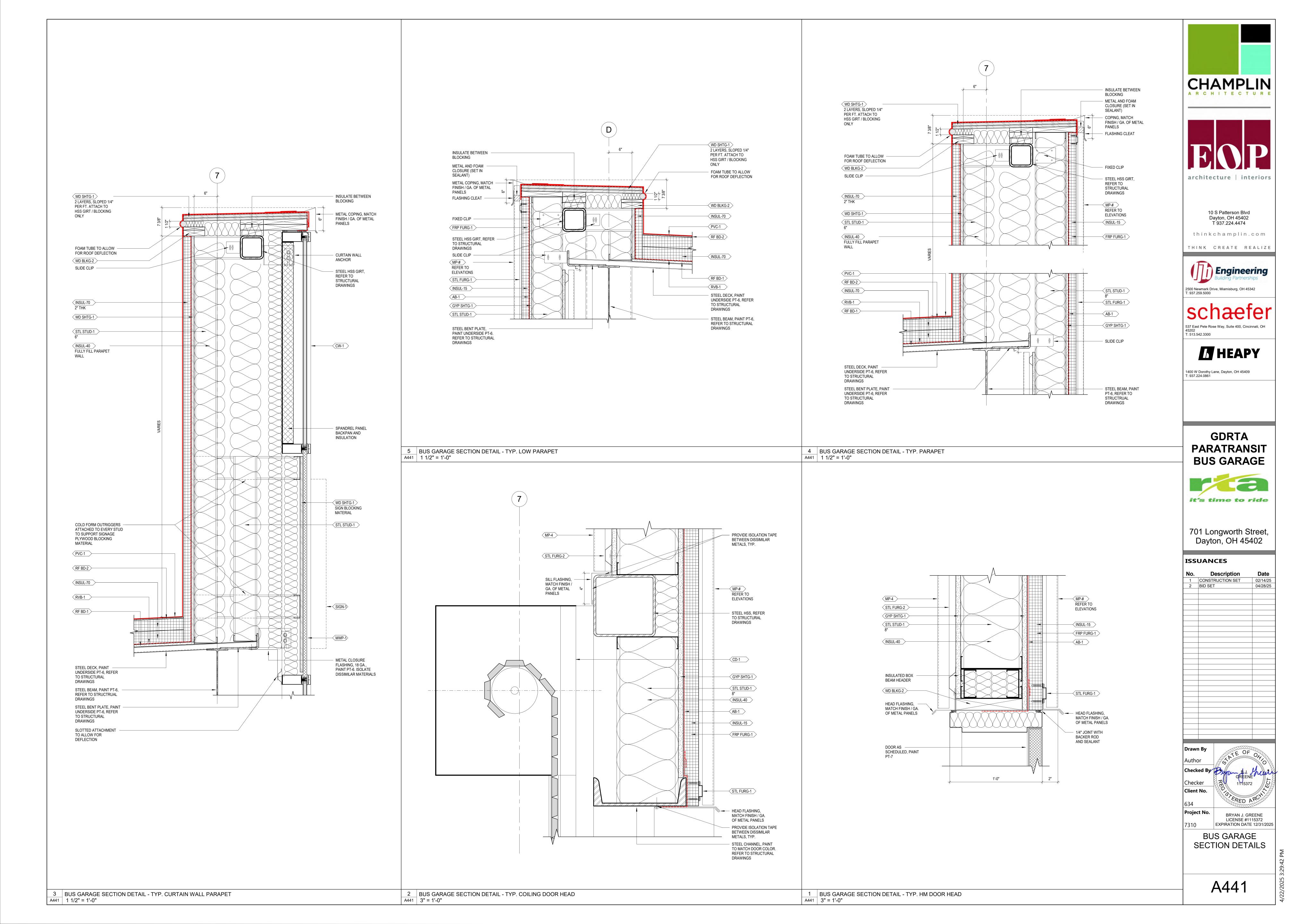


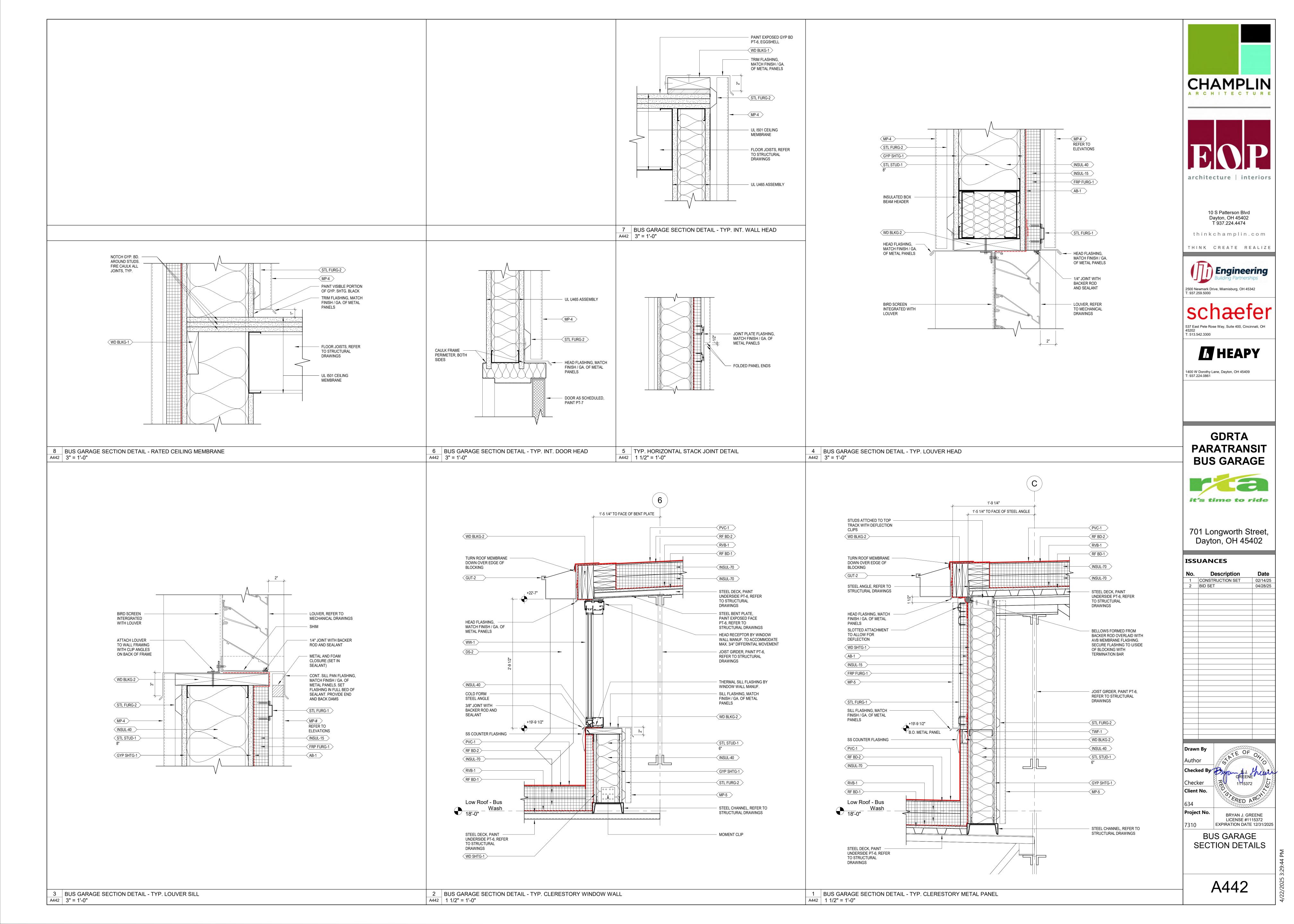


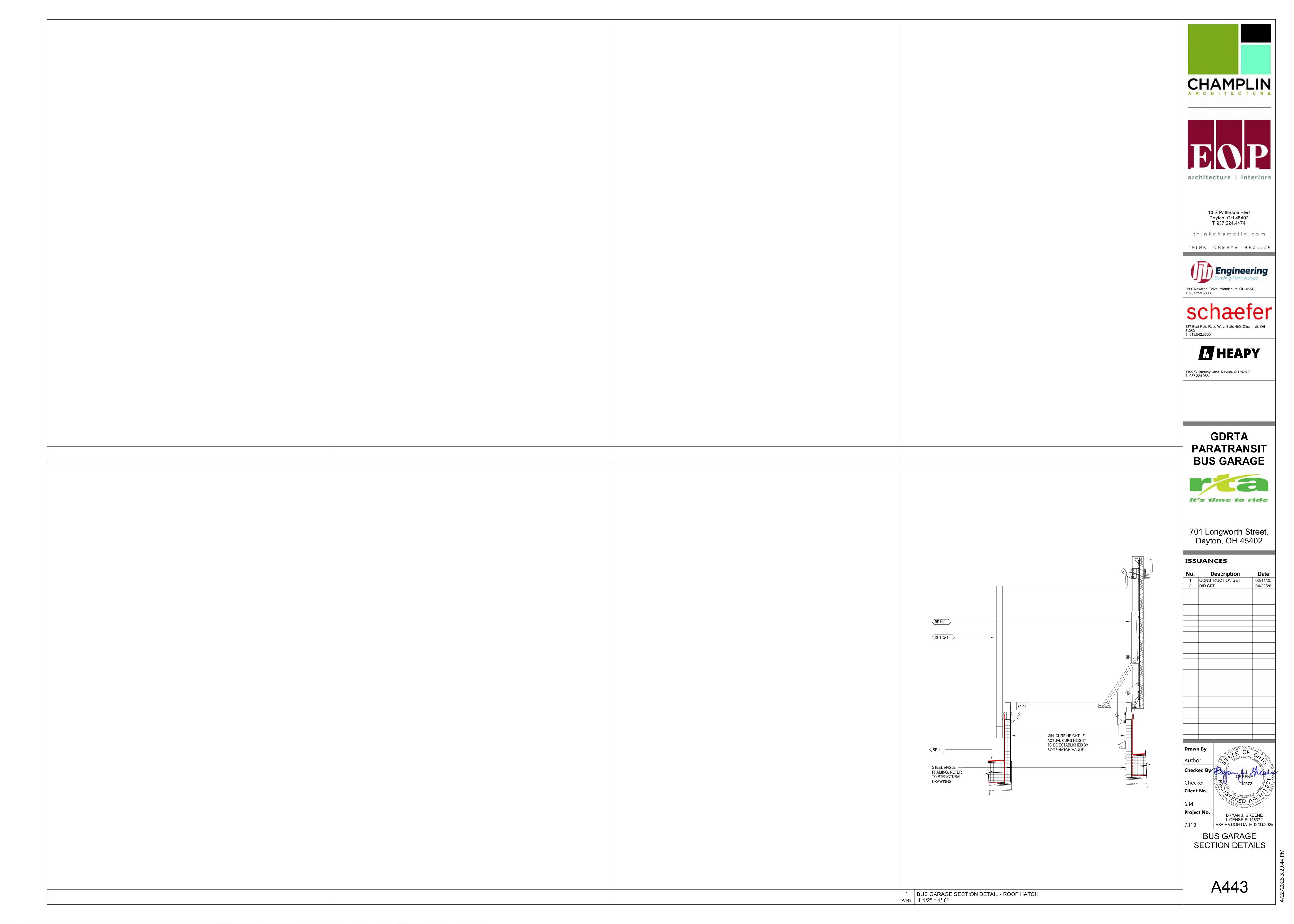


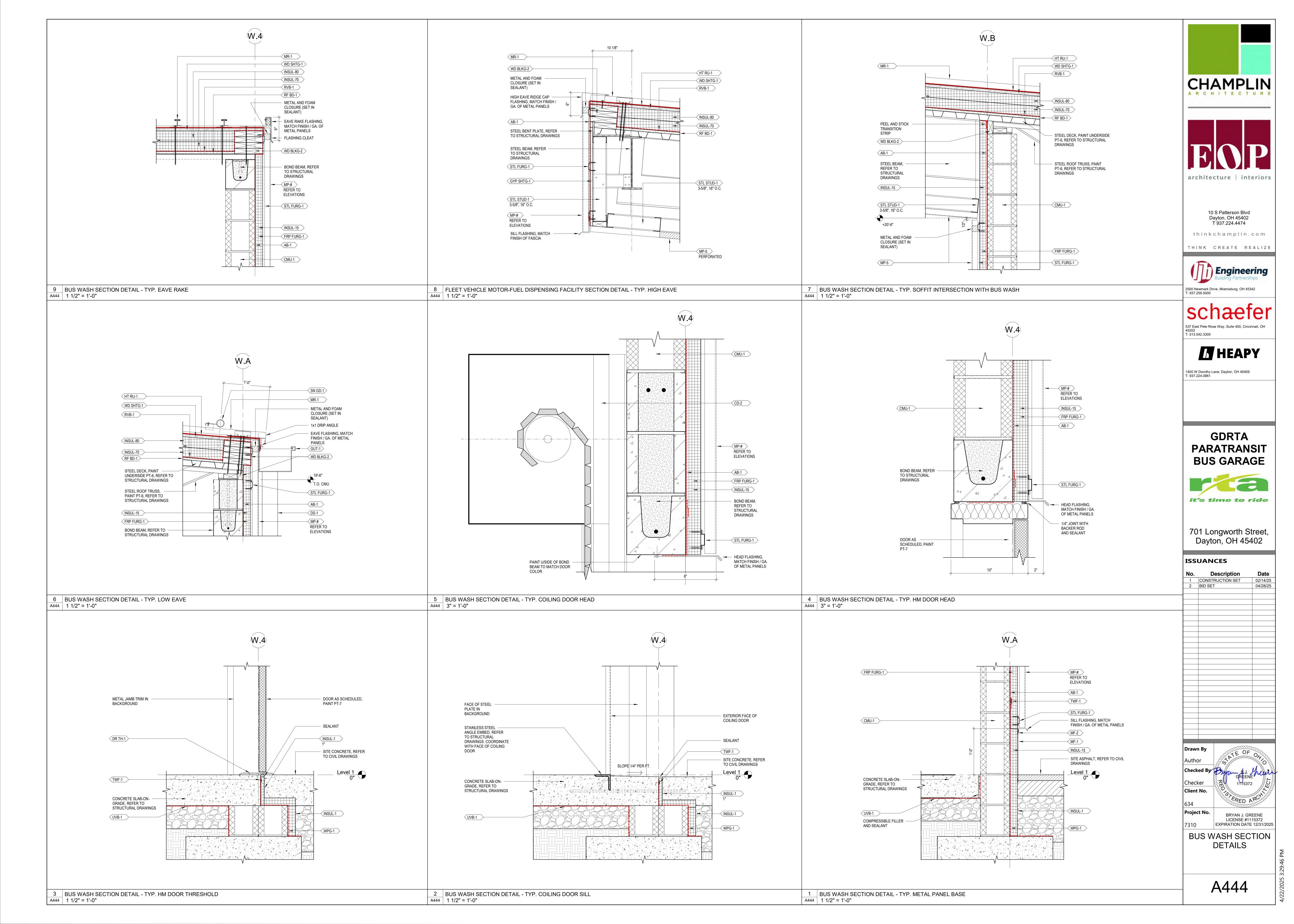


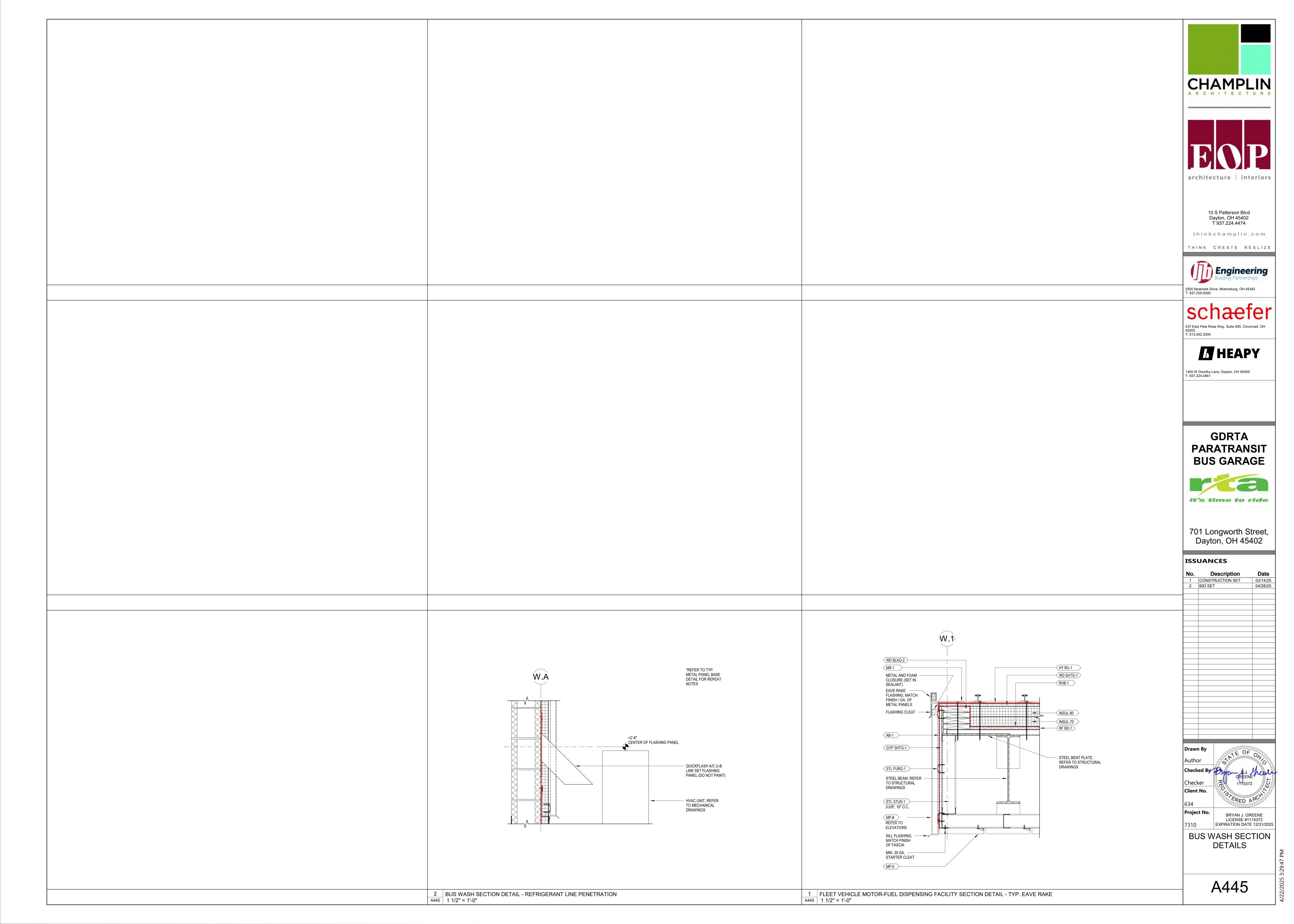


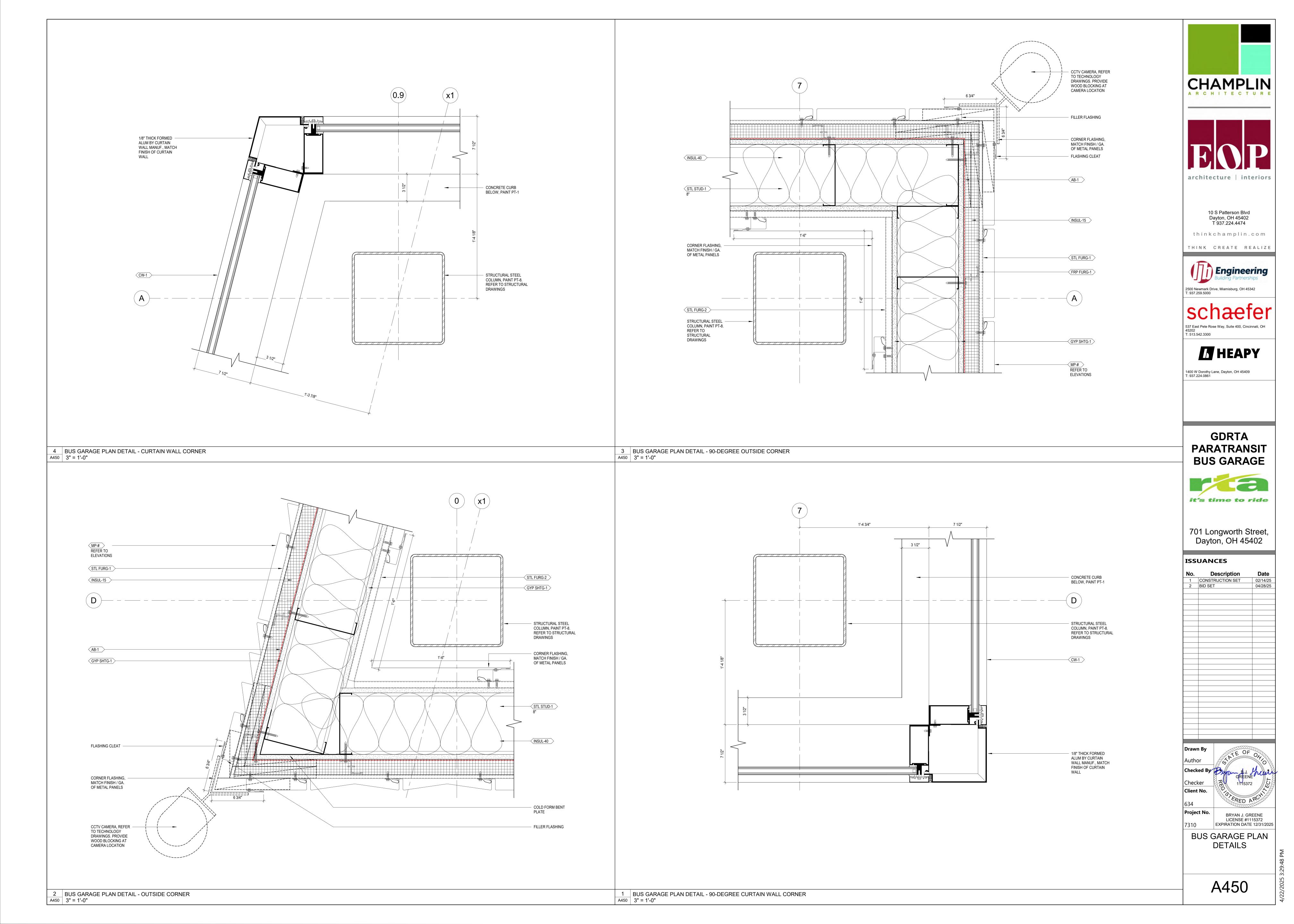


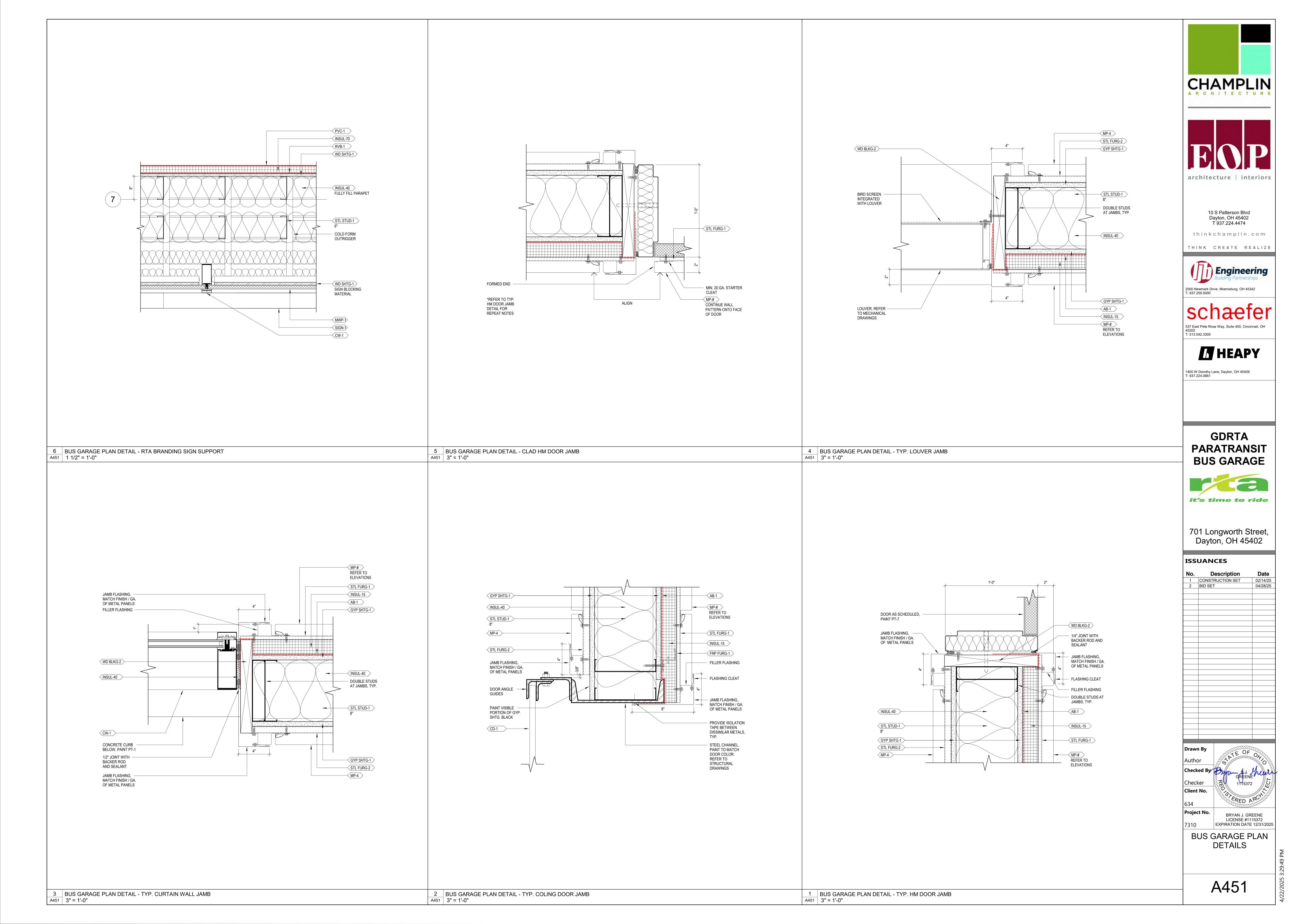


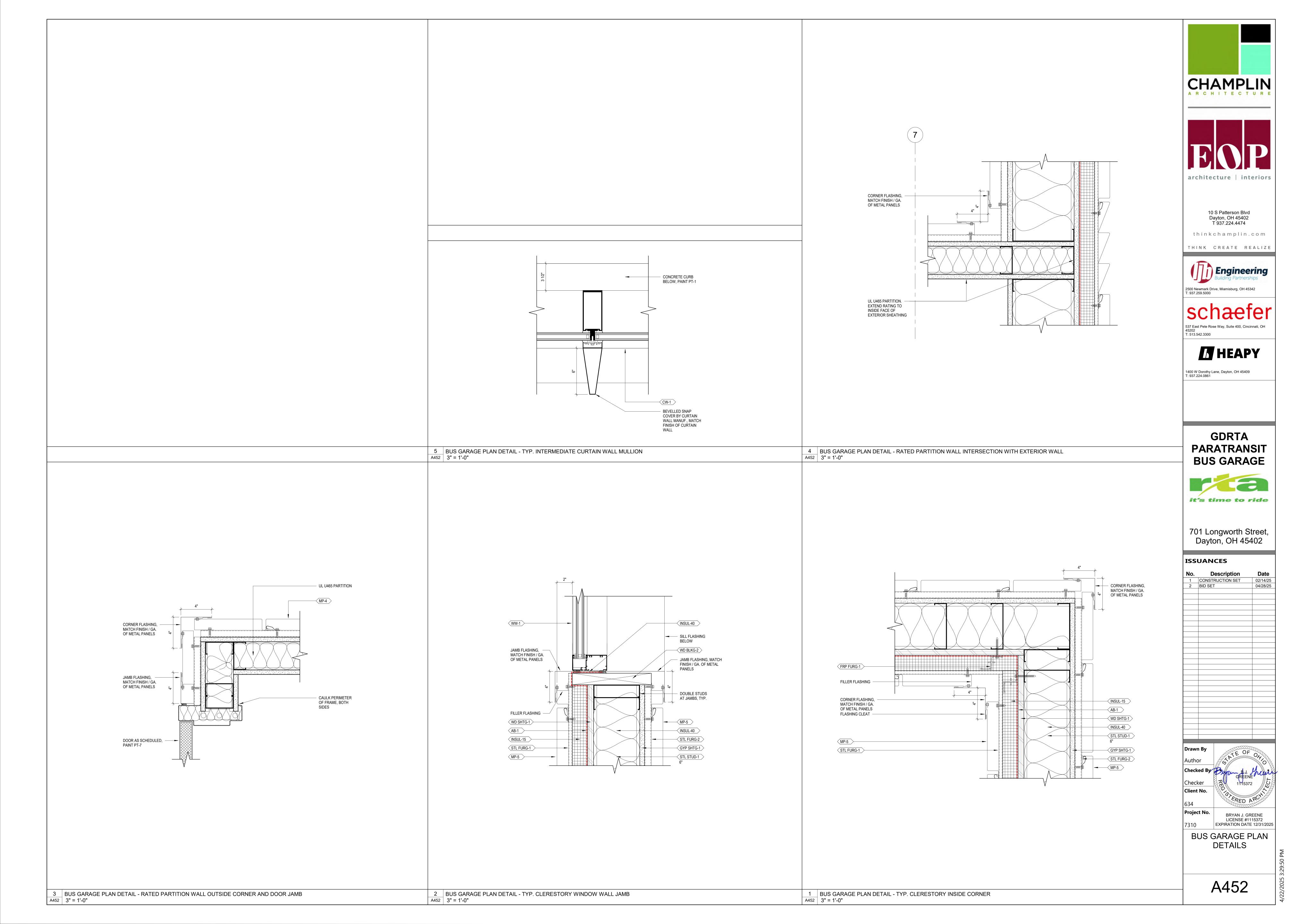


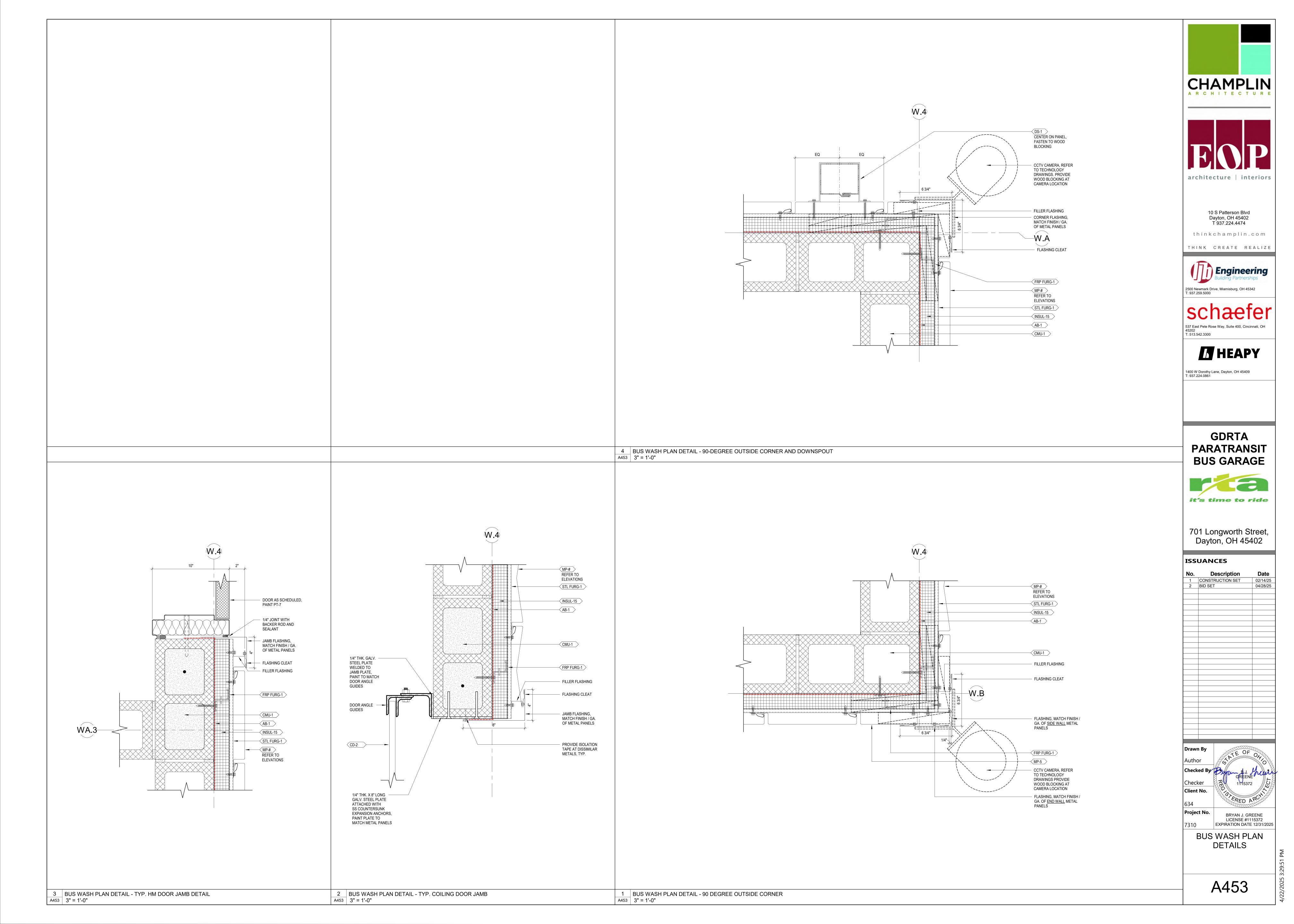


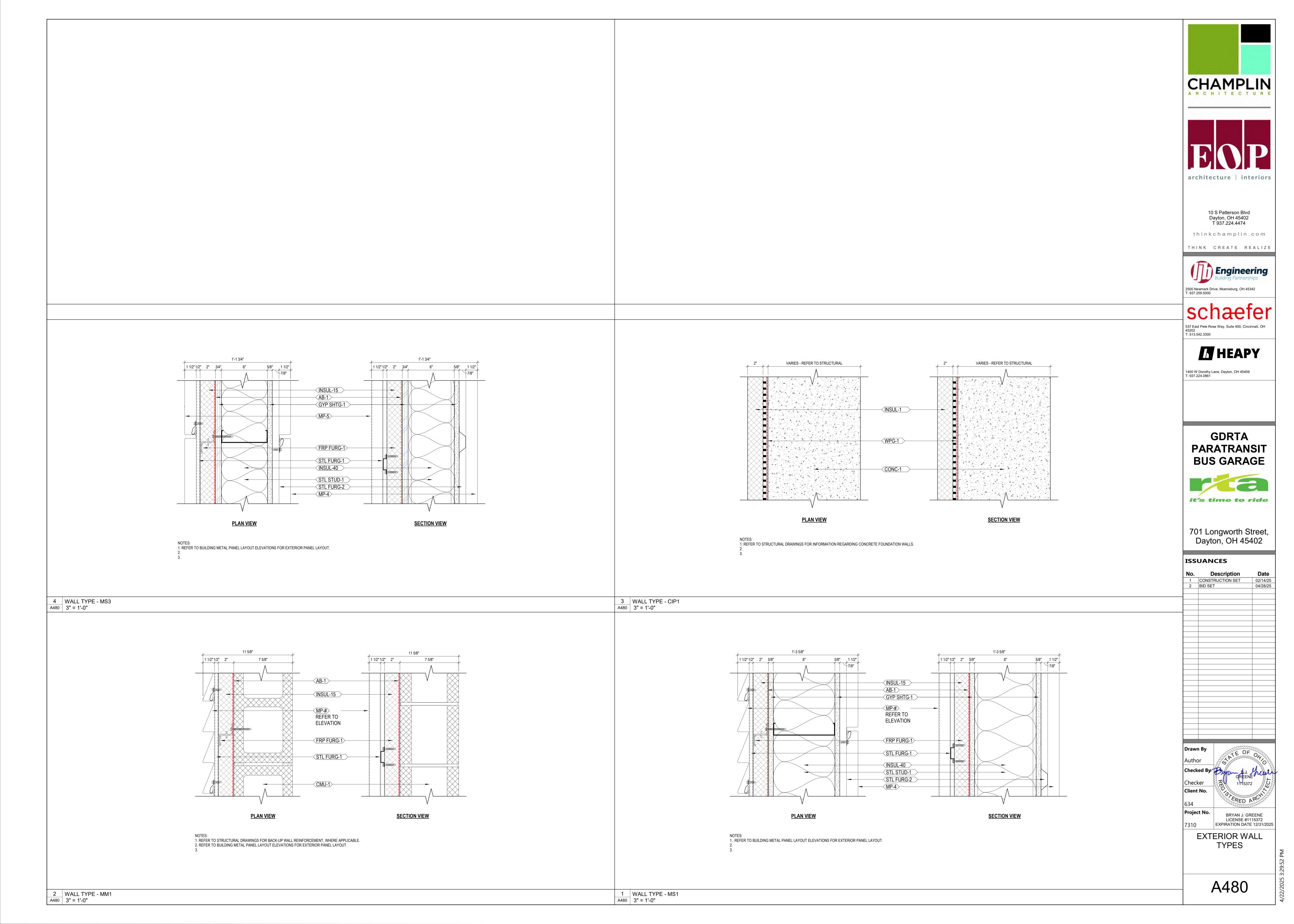


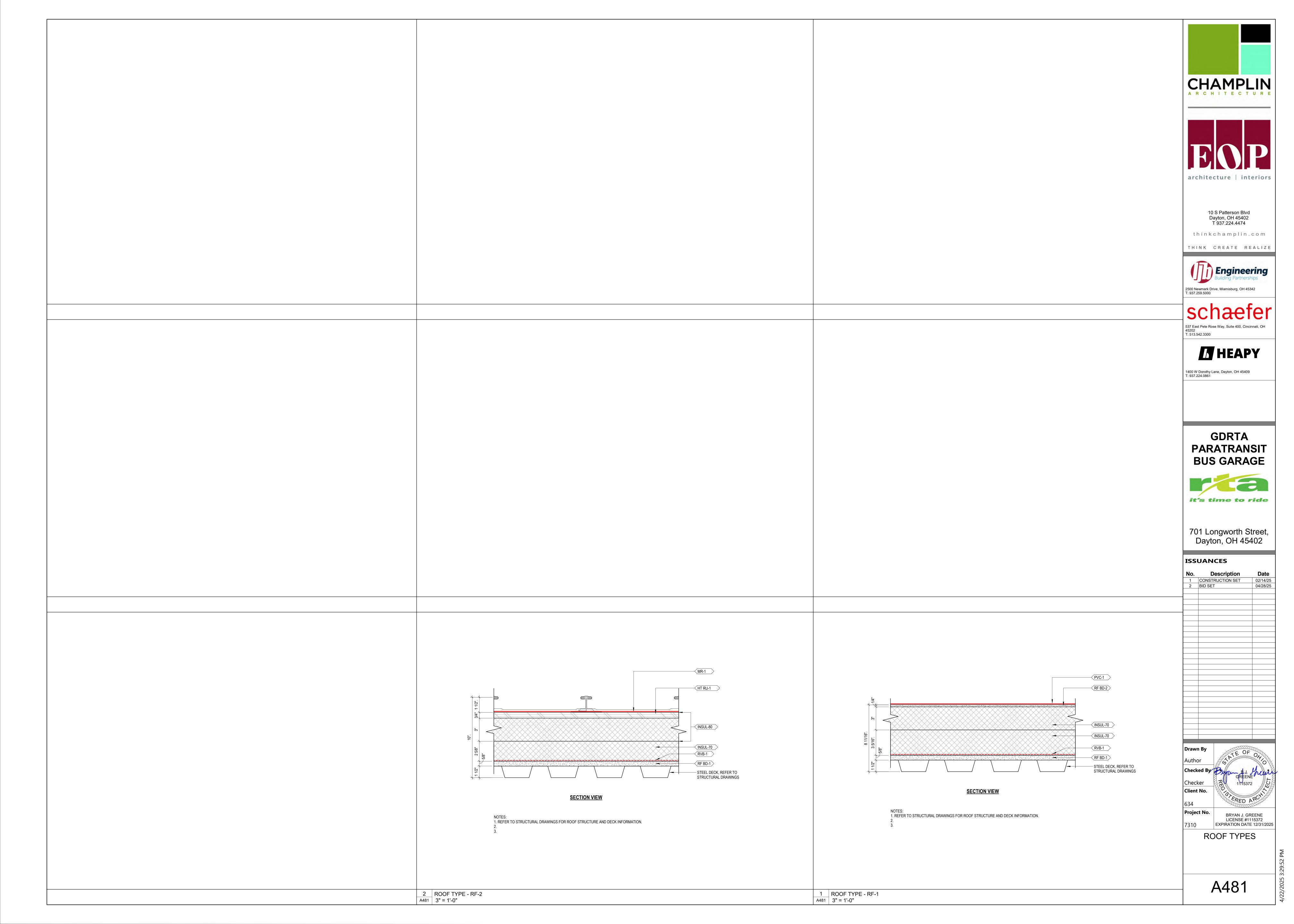


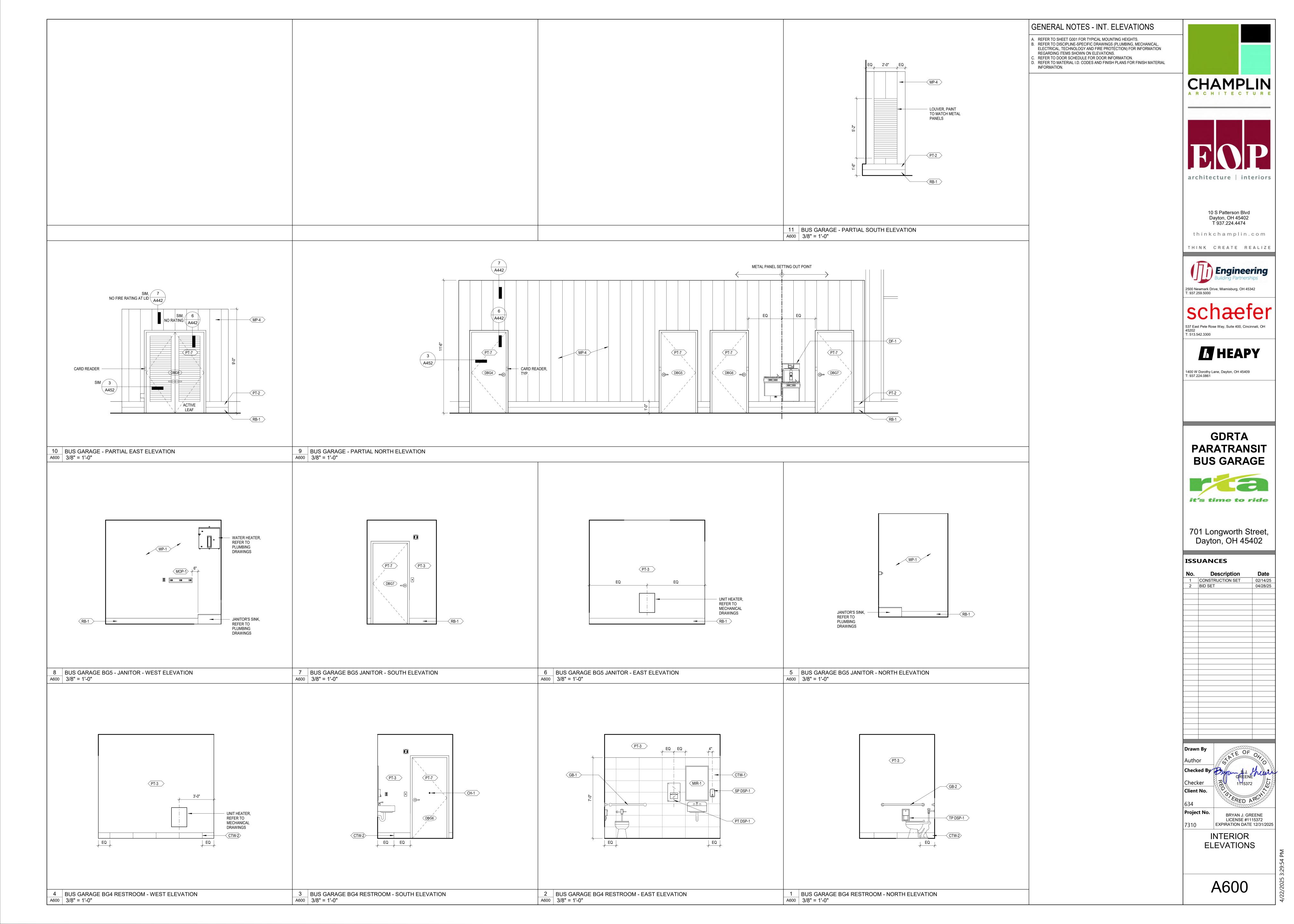


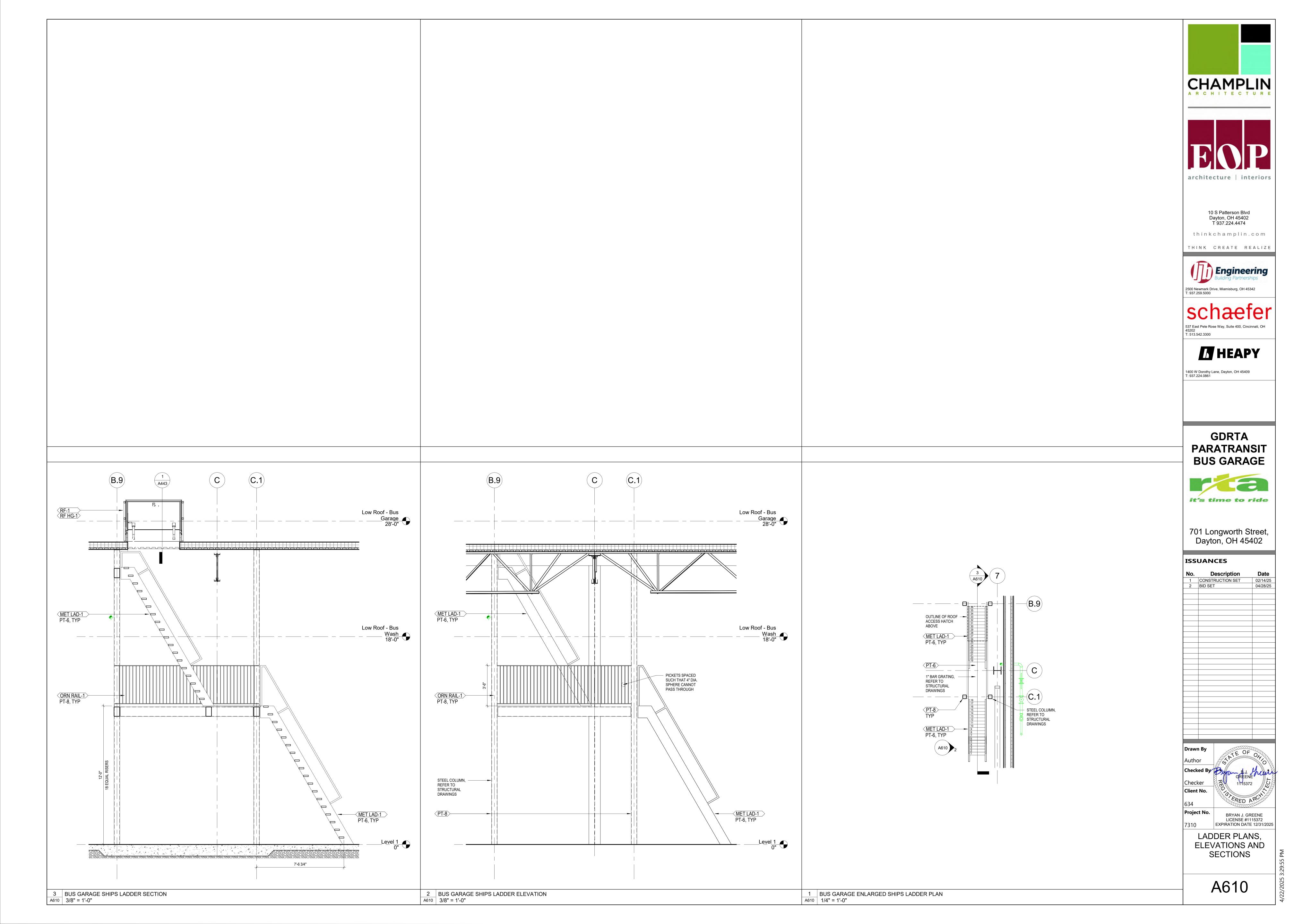


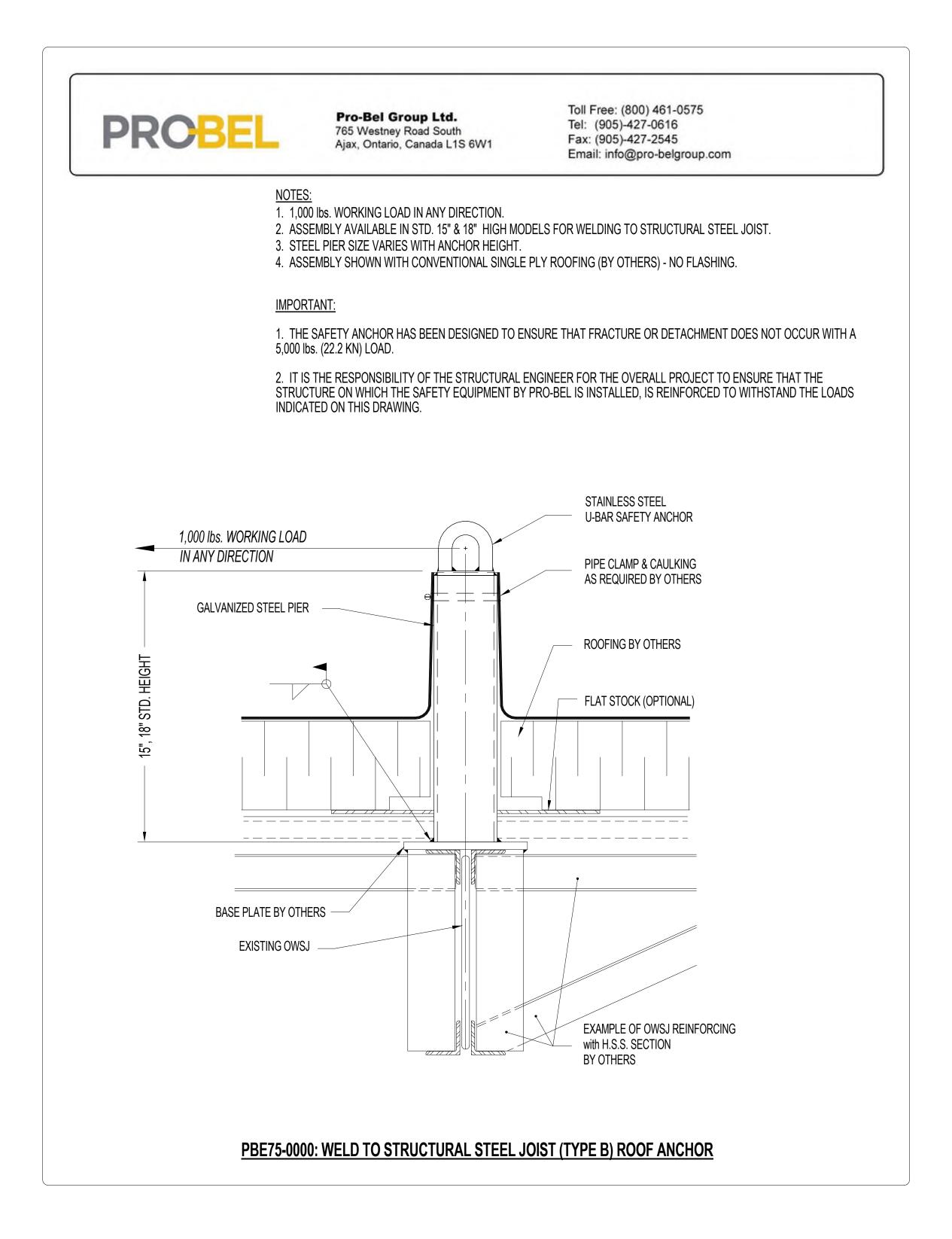


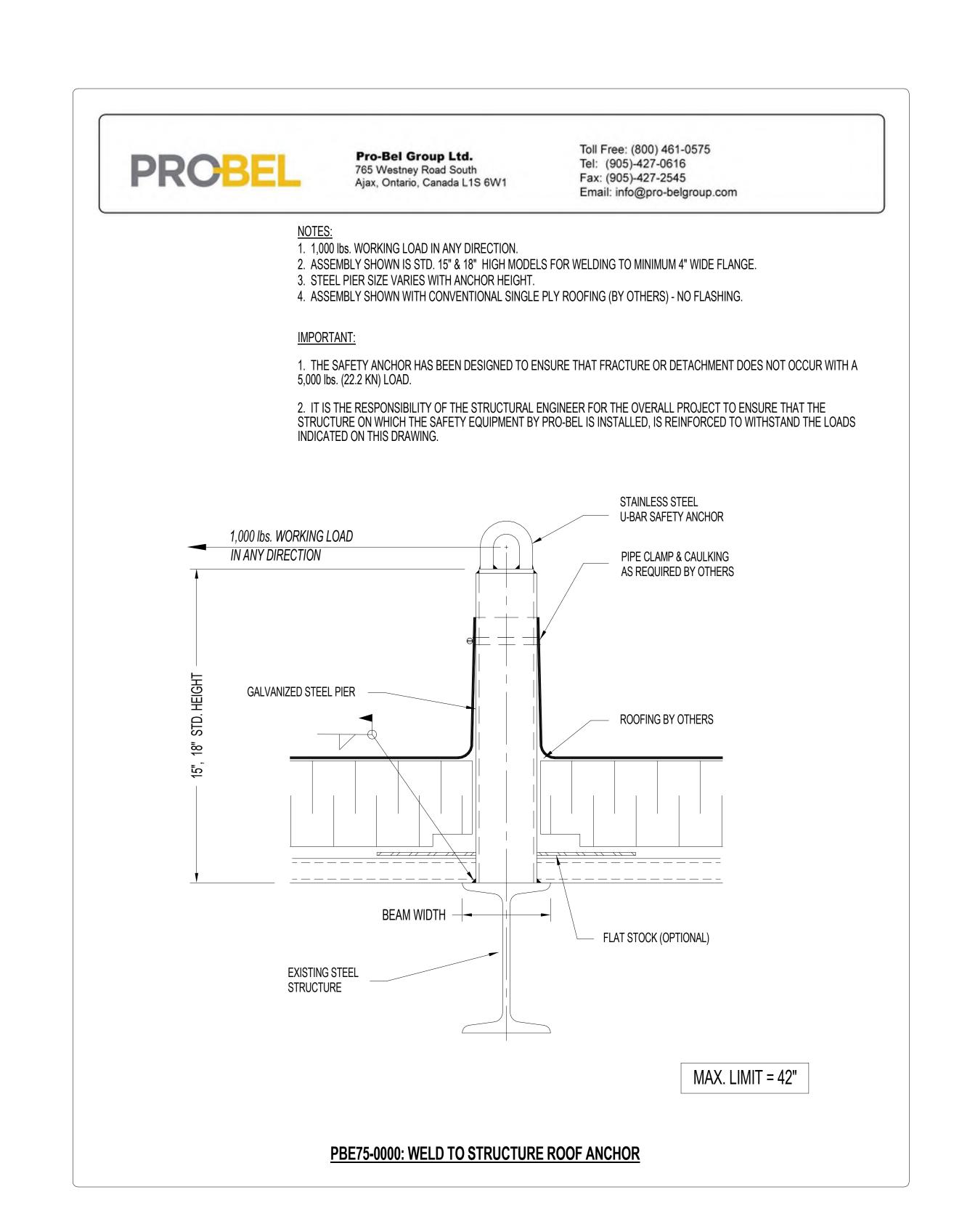




















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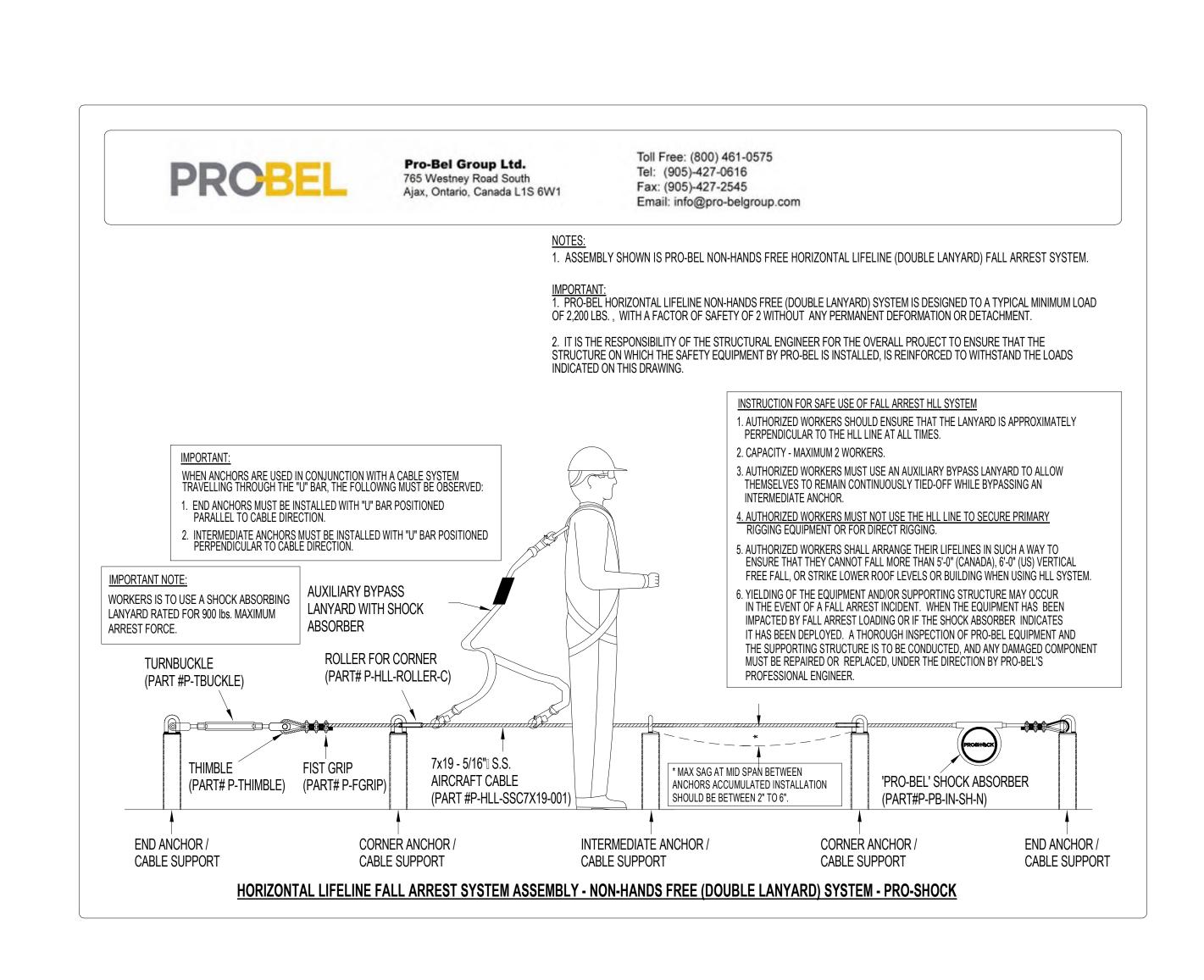
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2	BID SET	04/28/25

Drawn By
Author
Checked By
Checker

Checker
Client No.

BRYAN J. GREENE
LICENSE #1115372
EXPIRATION DATE 12/31/2025

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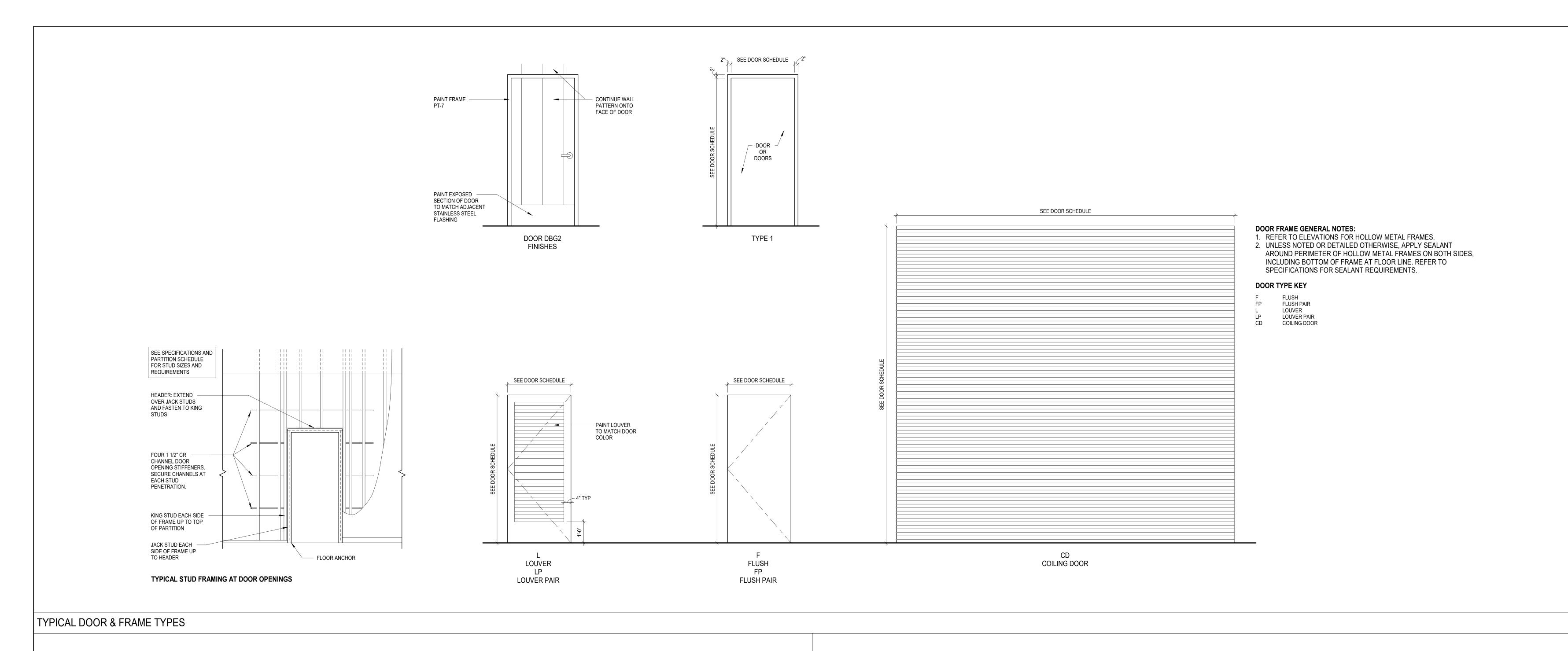
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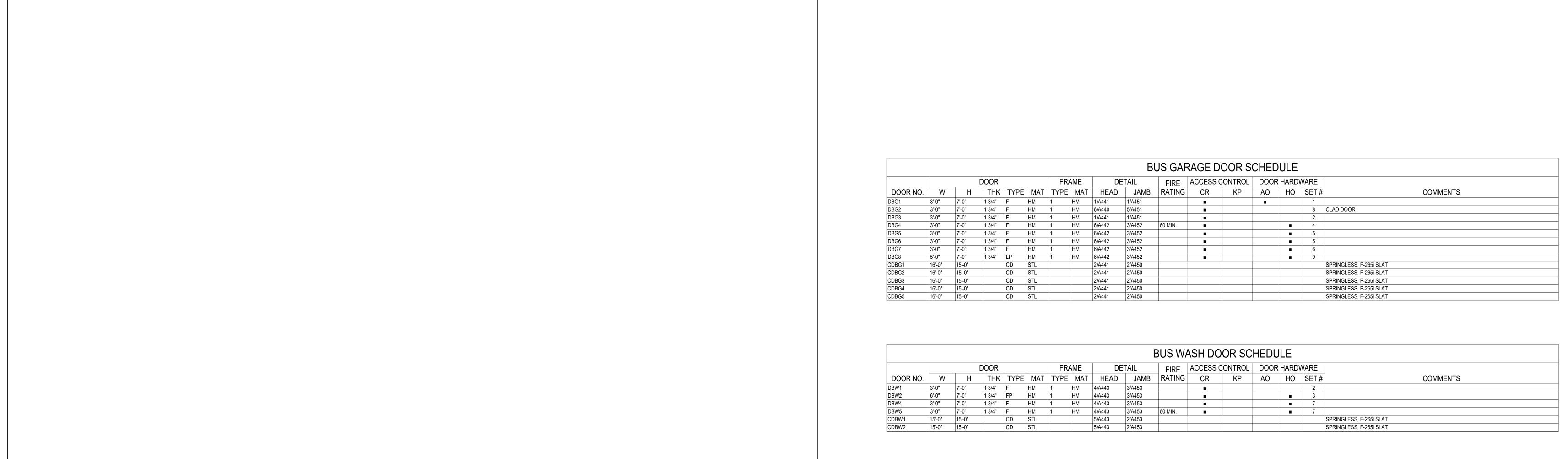
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ISSUANCES

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1	CONSTRUCTION SET	02/14/
2	BID SET	04/28/

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