



ADDENDUM NO. 3
Water Treatment Plant GAC Facility
City of Cynthiana
Cynthiana, Kentucky

BID DATE: **Wednesday, July 1, 2026 - 10:00 a.m. (Local Time)**

This Supplement to Addendum No. 3 and its noted revisions and attachments to the Drawings and Specifications shall supplement, amend, and become a part of the Bidding Documents, Drawings, and Specifications. All Bids and Construction Contracts shall be based on these modifications.

REVISIONS AND ATTACHMENTS

1. All RFIs/Questions shall be submitted via email to rcarr@kyengr.com by 10:00 am Wednesday, June 24th.
2. Delete the last paragraph from section 3.02 of specification 11350 – GAC Feed System. Section to be deleted is as follows:

Each individual component of the GAC system shall be NSF 61 certified. These components include but are not limited to,

- 1) *Lined piping – RS100 - International Protective Coatings / Intershield® 300HS, RS200 – 3M Scotchkote 134 Fusion Bonded Epoxy, Cement Mortar Lined or approved equal*
- 2) *NSF gaskets*
- 3) *NSF valves*
- 4) *NSF expansion joints*
- 5) *304 stainless steel media fill & discharge lines*
- 6) *NSF instrumentation*

3. Plan sheet C-0-3 reference notes for the chemical feed conduit/tubing shall be modified. Reference Note 2 pertains to the Fluoride feed line and Reference Note 11 pertains to the Chlorine feed line and Miscellaneous feed line. Revised plan sheet C-0-3 is attached.
4. Revised plan sheets C-1-1, SD-2 and A-1-04 are attached as addressed in the RFIs.

RFI/RESPONSES – SEE ATTACHED

Ryan Carr

Ryan Carr, PE
Project Engineer
Kentucky Engineering Group, PLLC
P.O. Box 1034
Versailles, KY 40383
Email: rcarr@kyengr.com

June 17, 2026

**RFI'S FROM CONTRACTORS
ADDENDUM NO. 3**

**WATER TREATMENT PLANT GAC FACILITY
City of Cynthiana
Cynthiana, Kentucky**

General Questions

1. *Sheet No. A-1-04 includes a Door Schedule and Door & Frame Elevations, but we find no details pertaining to the intended door hardware. Please provide applicable information for the door hardware.*

RESPONSE: See attached revised sheet A-1-04 which includes a revised door schedule including hardware sets.

2. *On Sheet C-1-1, Reference Note 6 calls for an "18" Butterfly Valve" to be installed in the unidentified room. On Sheet C-1-4, Reference Note 2 calls for an "18" Butterfly Valve w/Electric Modulating Operator" for the same valve identified above. Please confirm the correct operator for the valve at this location.*

RESPONSE: See attached revised plan sheet C-1-1. Reference Note 6 changed to Reference Note 34.

3. *On Sheet C-0-3, Reference Note 2 calls for "Chemical Feed Flexible Tubing Installed in 2" PVC Conduit". Please confirm two of these lines are the sample lines required by General Note 4 on Sheet C-1-4 ("Sampling Tubing Shall be Installed in a 2" Conduit & Extended to a Point of Termination in the Lab"). Additionally, please confirm what material the third line is carrying and the connection details.*

RESPONSE: No, sample lines to the lab are not required. General Note 4 on Sheet C-1-4 shall be deleted. One conduit/tubing shall go to the fluoride building and two conduits/tubing shall go to the main treatment plant building. See RFI question #17 for connection information.

4. *On Sheet C-0-3, Reference Note 5 calls for a "Cleanout See Detail, Sheet SD-2". Please provide the applicable detail.*

RESPONSE: See attached revised sheet SD-2 with Cleanout detail included

5. *On Sheet C-0-3, the exterior run of floor drain piping appears to be 6" PVC. The interior floor drain piping type is not called out, but Ductile Iron fittings appear to be indicated. Please confirm the interior floor drain piping is to be PVC.*

RESPONSE: The interior floor drain piping shall be PVC.

6. *Reference Note 27 on Sheet C-1-1, and Reference Note 17 on Sheet C-1-3 both pertain to "Air Release Valve (Plumb to GAC Wet Well)". Please confirm the correct size of the Air Release Valve.*

RESPONSE: 2"

7. *On Sheet C-1-1. Reference Note 35 pertains to the "GAC Carbon Fill Discharge Connections – 4" Quick Connect (Typ.) See Detail". Please provide the applicable Detail.*

RESPONSE: See attached revised sheet SD-2 with Quick Connect detail included

8. *On Sheet C-1-1, Reference Note 38, and on Sheet C-1-2, Reference Note 14, pertain to "Combination Air / Vacuum Valve". Please confirm the correct size of the Combination Air / Vacuum Valve.*

RESPONSE: 2"

9. *From deep foundation subcontractor – can you advise on the design service loads for the foundations?*

RESPONSE: The intent was to have the contractor review the Foundation Plans Detail A/S-2-1 and use the tagged Micropile Caps (MPC4038 or MP4025) to then go to the Foundation Legend to see that these are called out in Detail D/S-3-2. The Micropile has a quantity of piles given and the micropile schedule has Allowable loads per pile listed. The quantity of piles provided with the required allowable loads are achievable in lieu of providing assumed PEMB loading.

10. *Information on Sheet I-4 indicates sample lines are to be copper. On Sheet C-1-1, Reference Note 31 calls for "1" PVC Sample Line (Typ.)". Please confirm sample lines are to be PVC.*

RESPONSE: Sample lines shall be PVC

11. *Referencing Sheet C-0-3, General Note 1 requires that all yard piping 4" and larger be ductile iron. The site piping plan shows a 6" PVC drainpipe. Please confirm the 6" drainpipe shall be PVC as stated and advise if Schedule 40 or 80 is preferred.*

RESPONSE: The drainpipe shall be Schedule 80 PVC

12. *Referencing Sheet C-0-3, the 6" PVC drainpipe is gravity fed to the existing pump station. Please advise of the preferred gradient and invert elevation of which the piping should enter the existing pump station wet well.*

RESPONSE: approximately 1% slope to the existing wet well

13. *Referencing Sheet C-0-1, the north edge of the proposed bituminous pavement appears to align with the southern portion of the existing underground clearwell. The proposed north pavement edge overlaps an existing MSE block retaining wall. Please advise if the retaining wall should be relocated and/or removed, or if grade should be adjusted/sloped to accommodate the new pavement extents.*

RESPONSE: Remove MSE block retaining wall and extend new bituminous pavement to extent shown on sheet C-0-1. Grade and/or slope pavement as required.

14. *Referencing Sheet C-1-1, the 18" GAC influent and effluent DI pipes are shown to be at centerline elevations 703.00 and 704.00, respectively, when tying into the new construction, however, at the tie-in locations to existing 20" FW piping, no inverts or centerlines are provided. Please provide, if available, as-built drawings or approximate existing elevation information for the Existing 20" DI FW lines at the tie in locations.*

RESPONSE: As-builts indicate centerline elevation of 703.35'. Contractor shall field verify.

15. *The new 18" GAC influent and effluent DI piping as well as chemical casing piping, in part, is shown to be under new bituminous pavement. Please confirm if these lines are to be backfilled with full depth crushed stone under pavement, or if other backfill requirements are applicable under pavement*

RESPONSE: Full depth crushed stone is required backfill under pavement.

16. *Referencing Sheet C-0-3, three chemical feed casing pipes run from the new construction to the existing filter building and an existing chemical feed shed. Please advise on the piping/casing/tubing entry details and the required plumbing connections necessary within these buildings as well as the new construction.*

RESPONSE: For the fluoride cut in a tee on the existing feed line and add two ball valves. The intent is to be able to select between the existing feed line and the new feed line using the ball valves. The conduit shall daylight and go through the wall of the existing plywood building similar to the existing. The two lines to the main treatment building shall be 4" PVC conduit with 2" reinforced PVC tubing. Each conduit shall be cored through the existing concrete wall into the crawl space. The chlorine shall extend up through the concrete floor near the existing chlorinators and connected to the existing feed line with a new tee and two ball valves. The miscellaneous 4" conduit/2" tubing shall be terminated in the crawl space directly under the chlorine rotameter room.

17. *Referencing Sheet SD-2, the gate operator is shown to be a TY-VS, however, Section 02830 of the bid specifications calls for a SD15 Hy-Security hydraulic operator with*

aluminum track. Please clarify the required gate operator type/make/model preferred.

RESPONSE: SlideDriver Model 15 or approved equal.

18. Please specify acceptable manufactures for the bridge crane and electric hoist.

RESPONSE: Specific manufacturer not specified. Any manufacturer will be considered that meets specification Section 13240.

19. Foundation Key Note 1 on S-2-1 indicates the design of the Bridge Crane to fall on the PEMB contractor. However, there is limited information that is relevant to the column loads for the structure. Is it the intent that the columns on the East side of Line C and the West side of Line E will hold the load for the span for the bridge crane? If so, please indicate that design loads on the foundation and micro piles have been evaluated.

RESPONSE: The intent was to have the contractor review the Foundation Plans Detail A/S-2-1 and use the tagged Micropile Caps (MPC4038 or MP4025) to then go to the Foundation Legend to see that these are called out in Detail D/S-3-2. The Micropile has a quantity of piles given and the micropile schedule has Allowable loads per pile listed. The quantity of piles provided with the required allowable loads are achievable in lieu of providing assumed PEMB loading.

P:\Projects\Cynthiana 25009 WTP GAC Facility\DWG\25009 C-0-3.dwg KEG 6/17/26

THIS DRAWING WAS PREPARED AT THE SCALE INDICATED. INACCURACIES IN THE STATED SCALE MAY BE INTRODUCED WHEN DRAWINGS ARE REPRODUCED BY ANY MEANS. USE THE GRAPHIC SCALE BAR IN THE DRAWING OR TITLE BLOCK TO DETERMINE THE ACTUAL SCALE.

GENERAL NOTES:

- ALL YARD PIPING AND FITTINGS 4-INCH AND LARGER SHALL BE DUCTILE IRON.
- ALL YARD PIPING EXCEPT GRAVITY SEWER SHALL HAVE A MINIMUM COVER OF 30 INCHES.
- ALL PIPING BENDS ARE NOT SHOWN ON THE SITE PLAN. ADDITIONAL BENDS MAY BE REQUIRED TO CONFORM WITH ELEVATIONS AND TO MAINTAIN ADEQUATE GROUND COVER.
- CONTRACTOR SHALL CONFIRM CLEARANCE AT ALL PIPING INTERSECTIONS PRIOR TO LINE EXCAVATION. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

REFERENCE NOTES:

- HEADWALL W/ FLAP VALVE & RIPRAP
- CHEMICAL FEED FLEXIBLE TUBING INSTALLED IN 2" PVC CONDUIT
- CONNECT EX. 20" DI FW TO NEW 18" GAC INFLUENT AND EFFLUENT
- RELOCATE EX. 2" PVC FORCE MAIN AS REQUIRED
- CLEANOUT SEE DETAIL, SHEET SD-2
- 16" X 6" WET TAP CONNECTION
- 6" DI WATER MAIN
- 2" POST HYDRANT
- 1' FREEZEPROOF YARD HYDRANT
- 4" QUICK CONNECT FOR DRAIN (STUB UP AND ATTACH TO WALL)

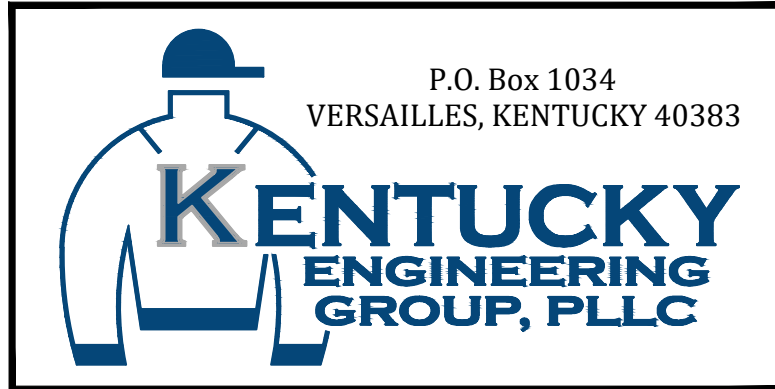
- CHEMICAL FEED FLEXIBLE TUBING INSTALLED IN 4" PVC CONDUIT

PIPE LEGEND

RW	RAW WATER
SW	SETTLED WATER
FW	FILTERED WATER
HS	HIGH SERVICE
D	DRAIN
BW	BACKWASH
WW	WASH WATER DRAIN
OV	OVERFLOW
SS	SEDIMENTATION SLUDGE
PW	PLANT WATER
SAN	SANITARY SEWER
GAC	GRANULAR ACTIVATED CARBON FILTERED WATER
DI	DUCTILE IRON
CI	CAST IRON
PVC	POLYVINYL CHLORIDE

NO.	DATE	REVISIONS	BY
1	6/17/26	ADDENDUM No. 3	RCC

DATE:	FEBRUARY 2026
PROJECT MGR:	RCC
DRAWN BY:	JAB
CHECKED BY:	RCC
SCALE:	AS NOTED
2026 © Kentucky Engineering Group, PLLC	



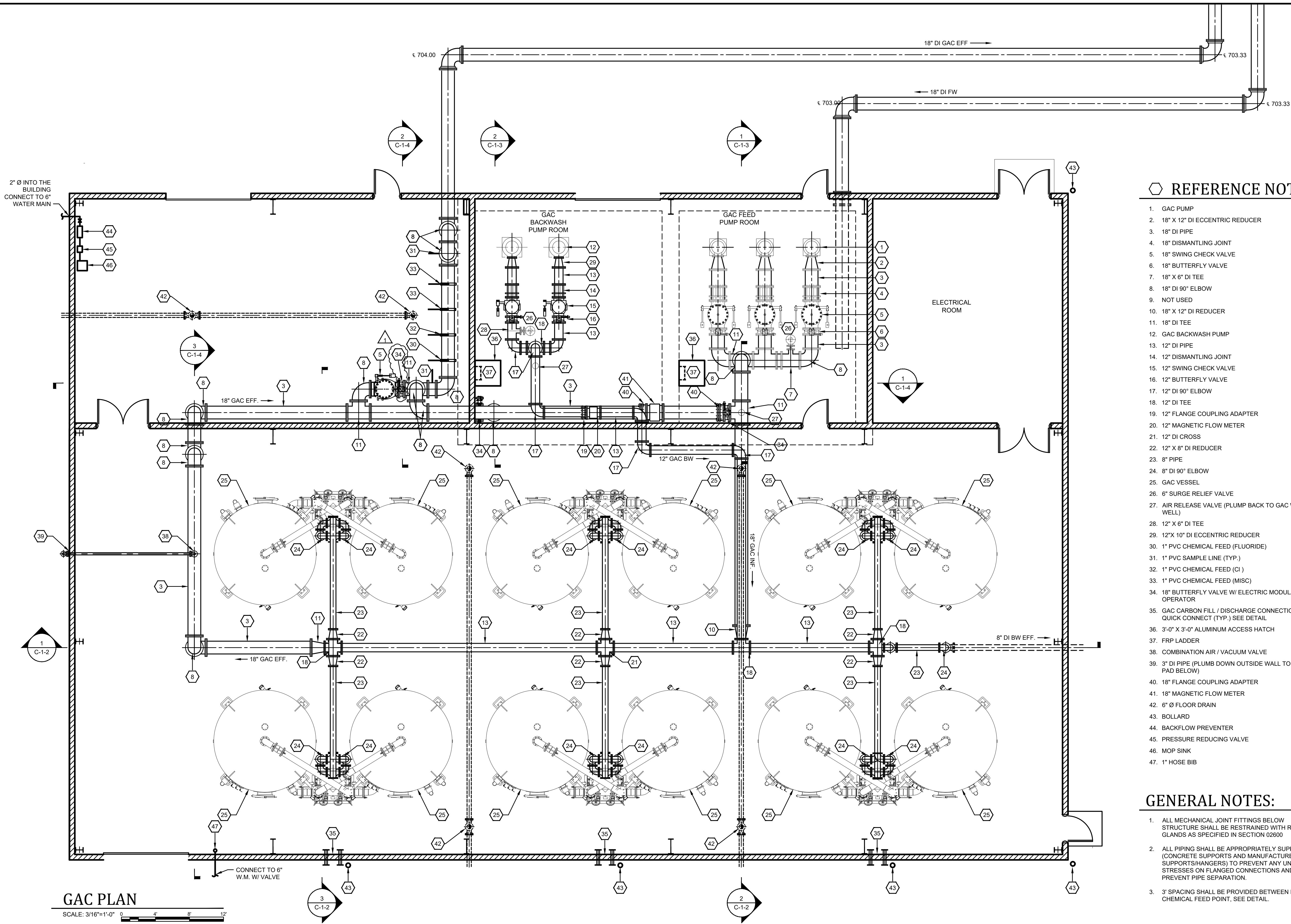
WATER TREATMENT PLANT
GAC FACILITY
FOR THE
CITY OF CYNTHIANA

SITE PIPING PLAN

PROJECT NO. 25009
SHEET NO. C-0-3

BID DOCUMENTS

P:\Projects\Cynthiana\25009 WTP GAC Facility\DWG\25009 C-1-1.dwg KEG 6/10/26



REFERENCE NOTES:

1. GAC PUMP
2. 18" X 12" DI ECCENTRIC REDUCER
3. 18" DI PIPE
4. 18" DISMANTLING JOINT
5. 18" SWING CHECK VALVE
6. 18" BUTTERFLY VALVE
7. 18" X 6" DI TEE
8. 18" DI 90° ELBOW
9. NOT USED
10. 18" X 12" DI REDUCER
11. 18" DI TEE
12. GAC BACKWASH PUMP
13. 12" DI PIPE
14. 12" DISMANTLING JOINT
15. 12" SWING CHECK VALVE
16. 12" BUTTERFLY VALVE
17. 12" DI 90° ELBOW
18. 12" DI TEE
19. 12" FLANGE COUPLING ADAPTER
20. 12" MAGNETIC FLOW METER
21. 12" DI CROSS
22. 12" X 8" DI REDUCER
23. 8" PIPE
24. 8" DI 90° ELBOW
25. GAC VESSEL
26. 6" SURGE RELIEF VALVE
27. AIR RELEASE VALVE (PLUMB BACK TO GAC WET WELL)
28. 12" X 6" DI TEE
29. 12"X 10" DI ECCENTRIC REDUCER
30. 1" PVC CHEMICAL FEED (FLUORIDE)
31. 1" PVC SAMPLE LINE (TYP.)
32. 1" PVC CHEMICAL FEED (Cl)
33. 1" PVC CHEMICAL FEED (MISC)
34. 18" BUTTERFLY VALVE W/ ELECTRIC MODULATING OPERATOR
35. GAC CARBON FILL / DISCHARGE CONNECTIONS - 4" QUICK CONNECT (TYP.) SEE DETAIL
36. 3'-0" X 3'-0" ALUMINUM ACCESS HATCH
37. FRP LADDER
38. COMBINATION AIR / VACUUM VALVE
39. 3" DI PIPE (PLUMB DOWN OUTSIDE WALL TO SPLASH PAD BELOW)
40. 18" FLANGE COUPLING ADAPTER
41. 18" MAGNETIC FLOW METER
42. 6" Ø FLOOR DRAIN
43. BOLLARD
44. BACKFLOW PREVENTER
45. PRESSURE REDUCING VALVE
46. MOP SINK
47. 1" HOSE BIB

GENERAL NOTES:

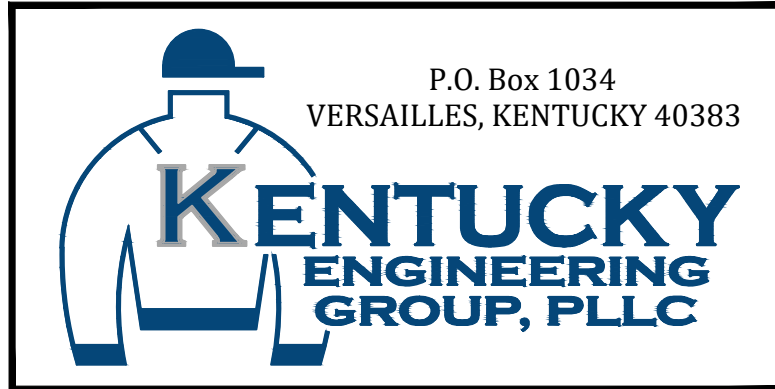
1. ALL MECHANICAL JOINT FITTINGS BELOW STRUCTURE SHALL BE RESTRAINED WITH ROMAC GLANDS AS SPECIFIED IN SECTION 02600
2. ALL PIPING SHALL BE APPROPRIATELY SUPPORTED (CONCRETE SUPPORTS AND MANUFACTURER'S PIPE SUPPORTS/HANGERS) TO PREVENT ANY UNDUE STRESSES ON FLANGED CONNECTIONS AND PREVENT PIPE SEPARATION.
3. 3' SPACING SHALL BE PROVIDED BETWEEN EACH CHEMICAL FEED POINT, SEE DETAIL.

IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER THIS DRAWING WITHOUT WRITTEN PERMISSION FROM KENTUCKY ENGINEERING GROUP, PLLC AND ACTING UNDER THE DIRECTION OF A LICENSED ENGINEER.

THIS DRAWING WAS PREPARED AT THE SCALE INDICATED. INACCURACIES IN THE STATED SCALE MAY BE INTRODUCED WHEN DRAWINGS ARE REPRODUCED BY ANY MEANS. USE THE GRAPHIC SCALE BAR IN THE DRAWING OR TITLE BLOCK TO DETERMINE THE ACTUAL SCALE.

NO.	DATE	REVISIONS	BY
1	6/10/26	ADDENDUM No. 3	RCC

DATE:	FEBRUARY 2026
PROJECT MGR:	RCC
DRAWN BY:	JAB
CHECKED BY:	RCC
SCALE:	AS NOTED
2026 © Kentucky Engineering Group, PLLC	



P.O. Box 1034
VERSAILLES, KENTUCKY 40383

WATER TREATMENT PLANT
GAC FACILITY
FOR THE
CITY OF CYNTHIANA

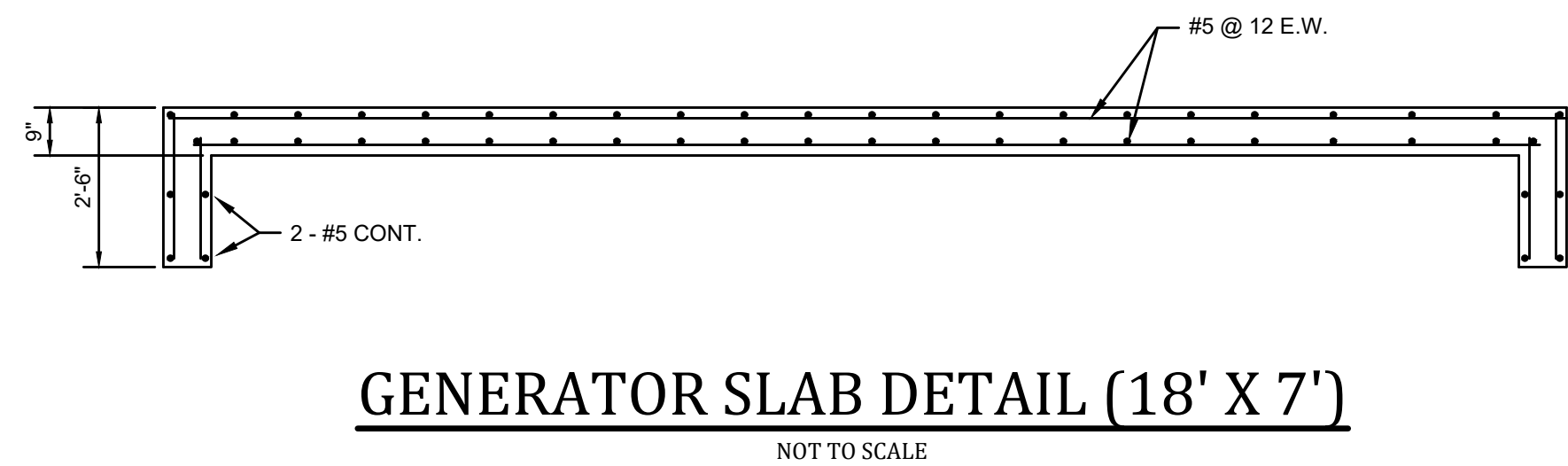
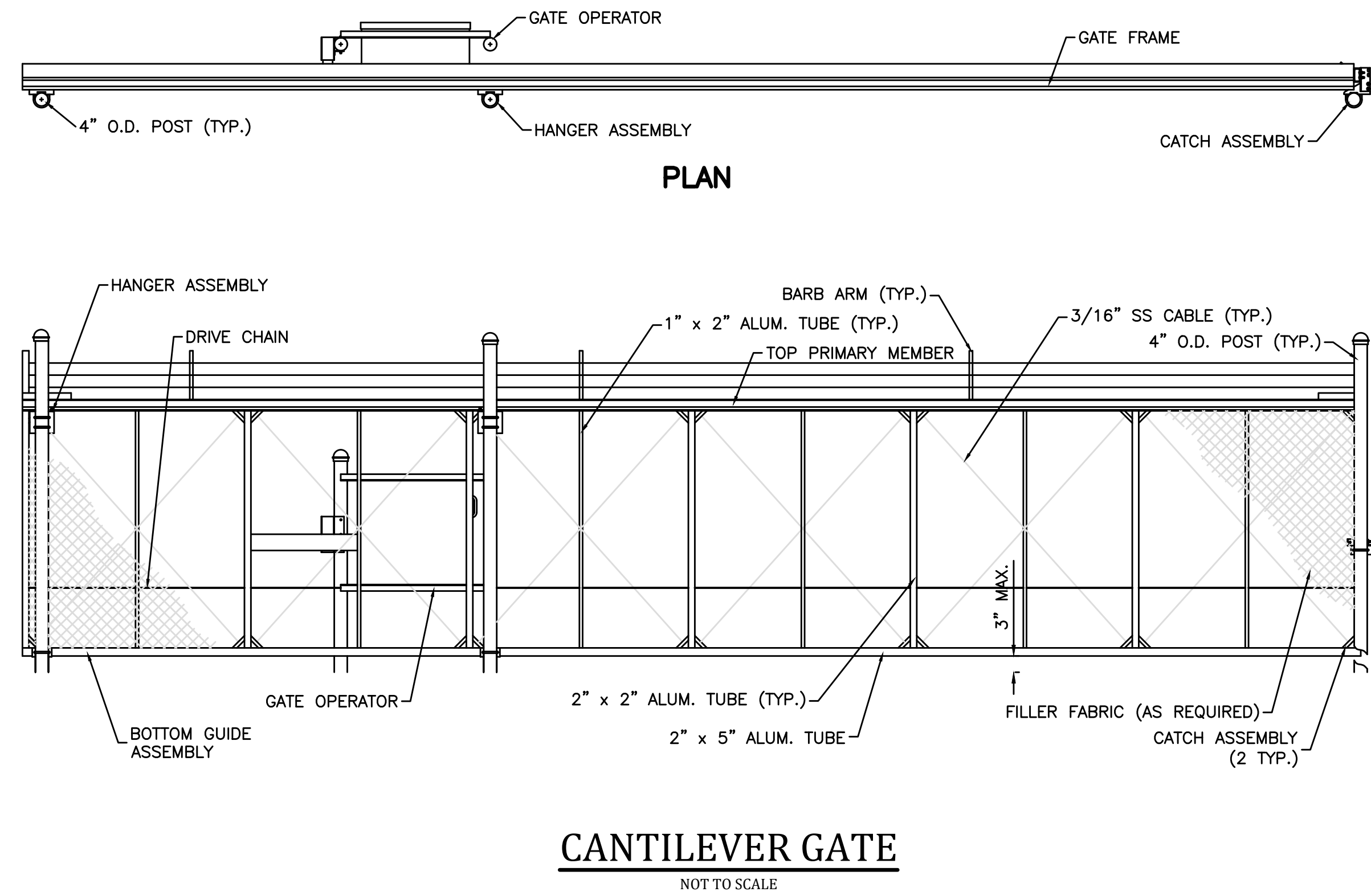
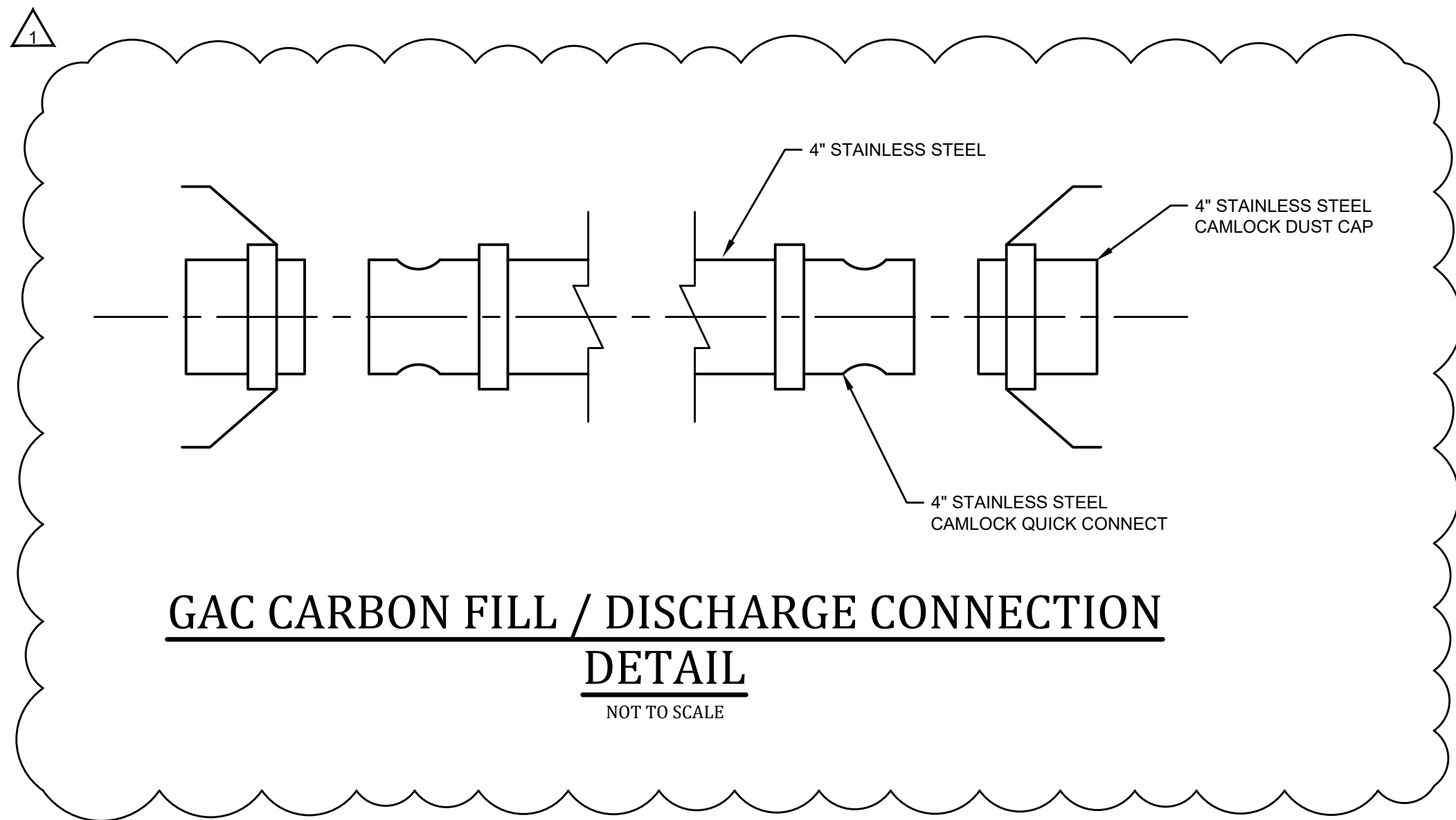
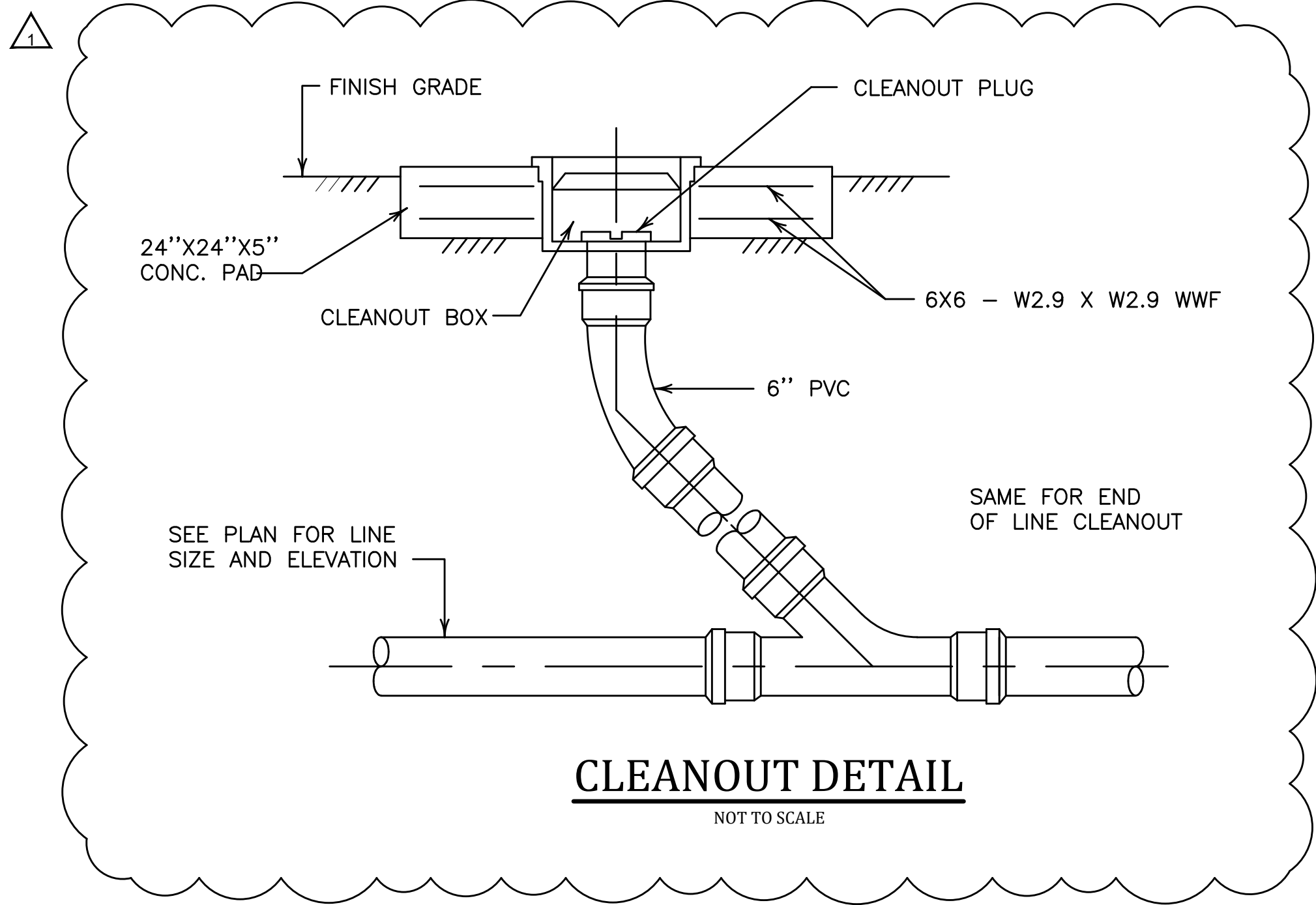
GAC BUILDING
PLAN

PROJECT NO.
25009

SHEET NO.
C-1-1

BID DOCUMENTS

P:\Projects\Cynthiana 25009 WTP GAC Facility\DWG\25009 SD-2.dwg KEG 6/10/26

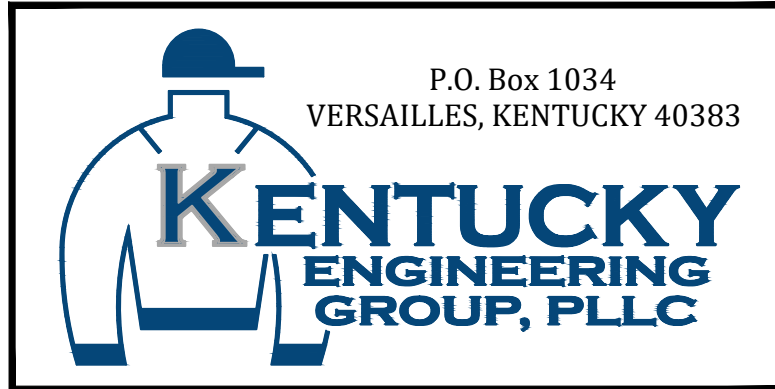


IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER THIS DRAWING WITHOUT WRITTEN PERMISSION FROM KENTUCKY ENGINEERING GROUP, PLLC AND ACTING UNDER THE DIRECTION OF A LICENSED ENGINEER.

THIS DRAWING WAS PREPARED AT THE SCALE INDICATED. INACCURACIES IN THE STATED SCALE MAY BE INTRODUCED WHEN DRAWINGS ARE REPRODUCED BY ANY MEANS. USE THE GRAPHIC SCALE BAR IN THE DRAWING OR TITLE BLOCK TO DETERMINE THE ACTUAL SCALE.

NO.	DATE	REVISIONS	BY
1	6/10/26	ADDENDUM No. 3	RCC

DATE:	FEBRUARY 2026
PROJECT MGR:	RCC
DRAWN BY:	JAB
CHECKED BY:	RCC
SCALE:	AS NOTED
2026 © Kentucky Engineering Group, PLLC	

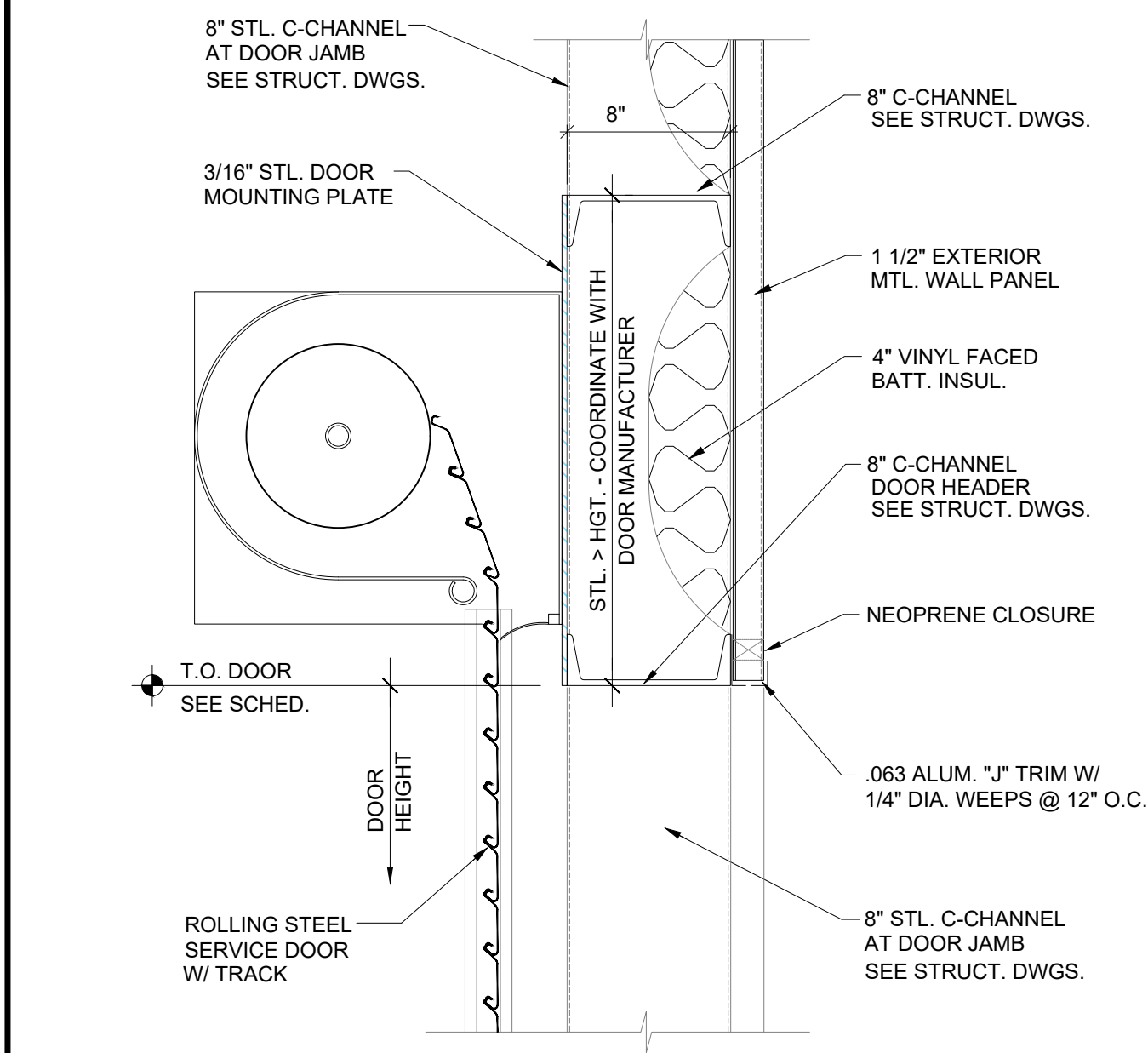


WATER TREATMENT PLANT
GAC FACILITY
FOR THE
CITY OF CYNTHIANA

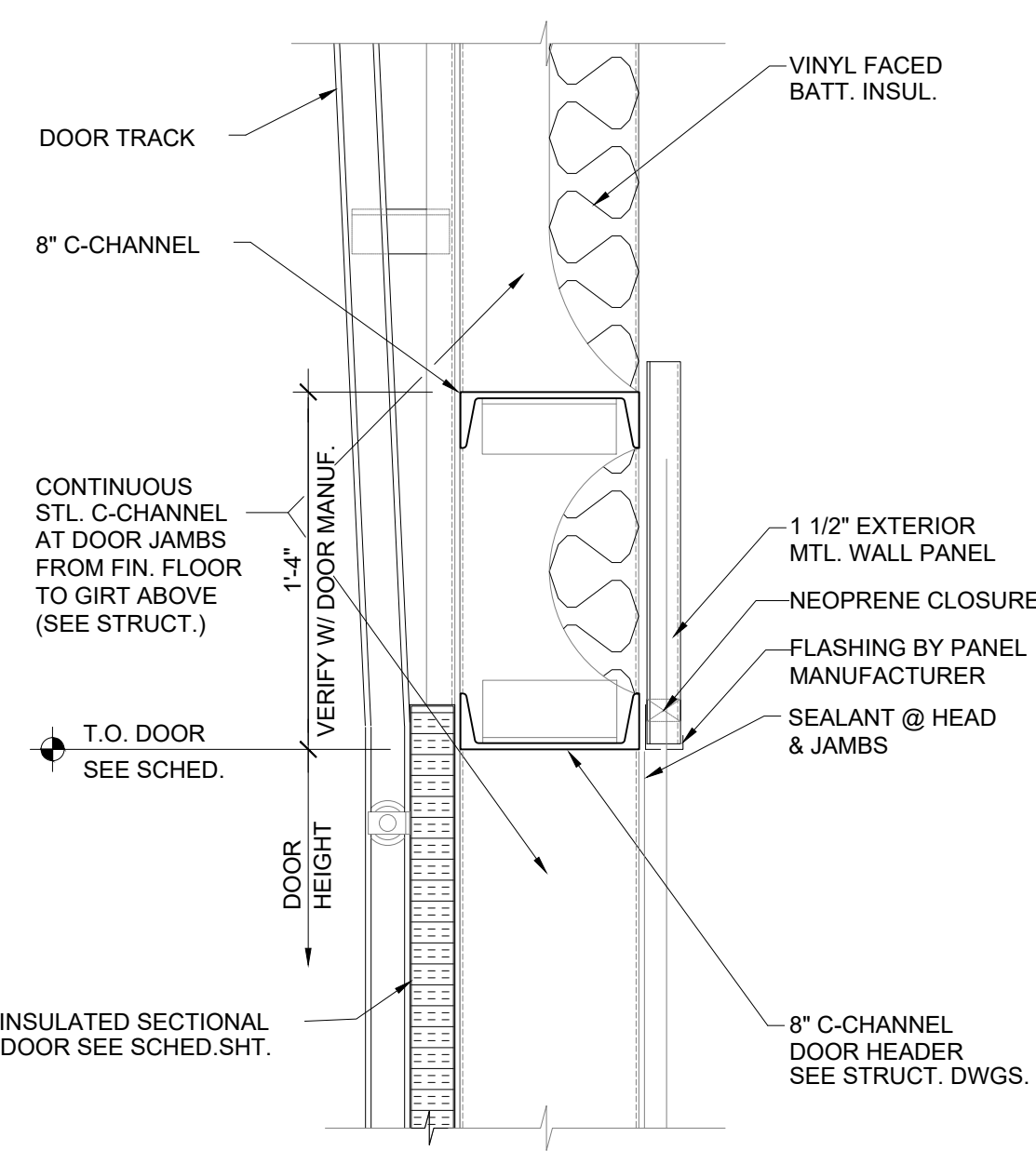
STANDARD DETAILS

PROJECT NO.
25009

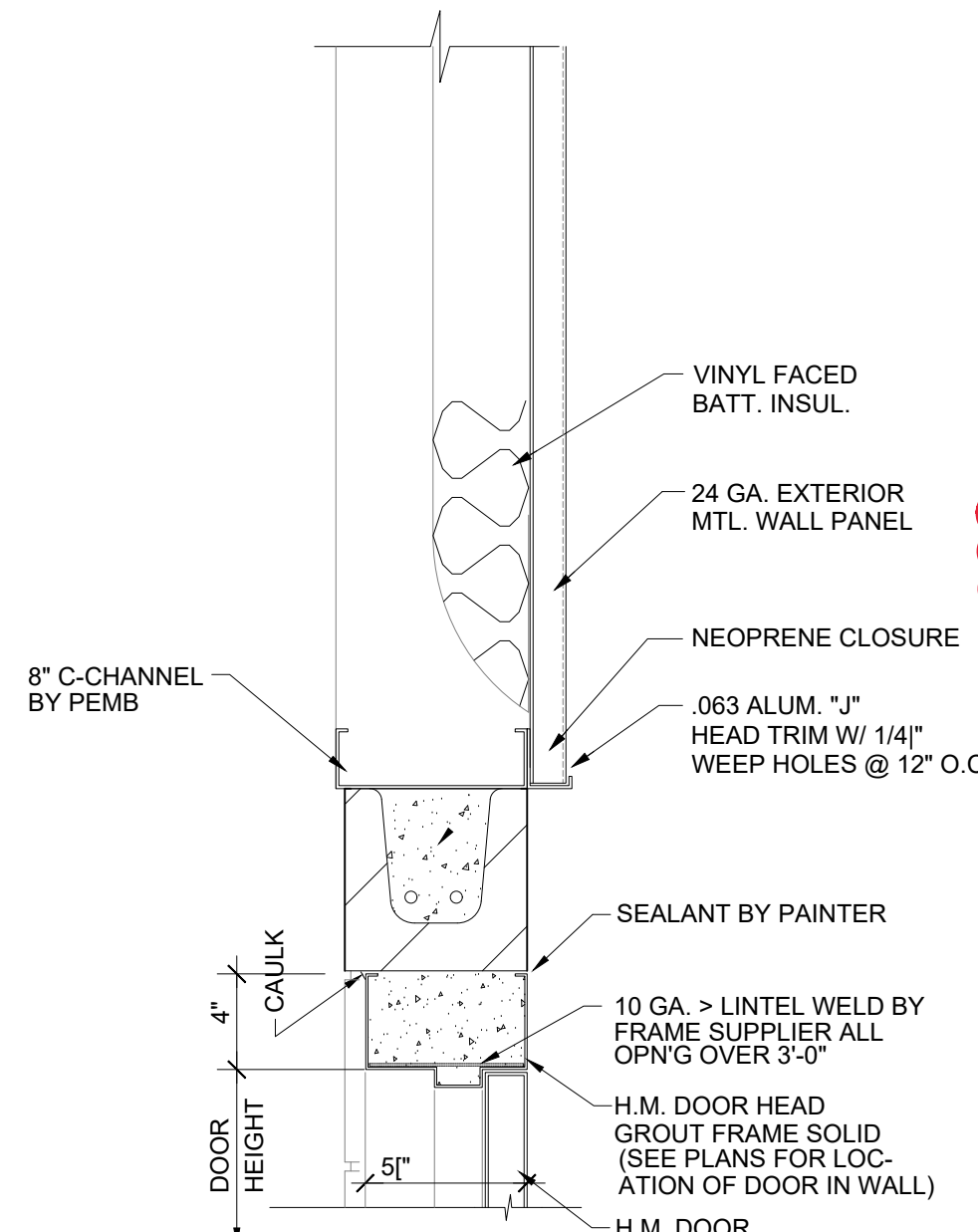
SHEET NO.
SD-2



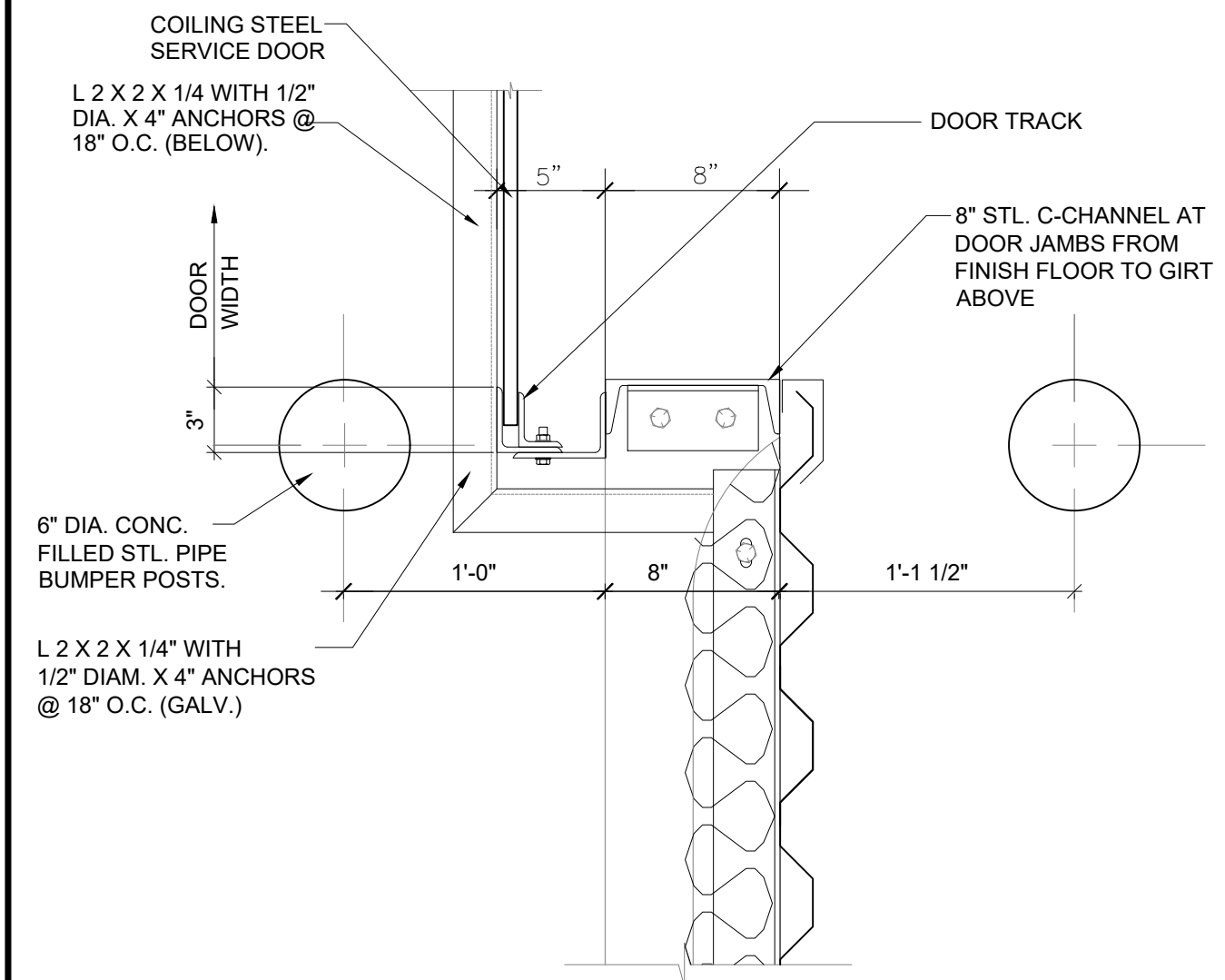
A HEAD DETAIL
A-1-04 SCALE: 1-1/2" = 1'-0"



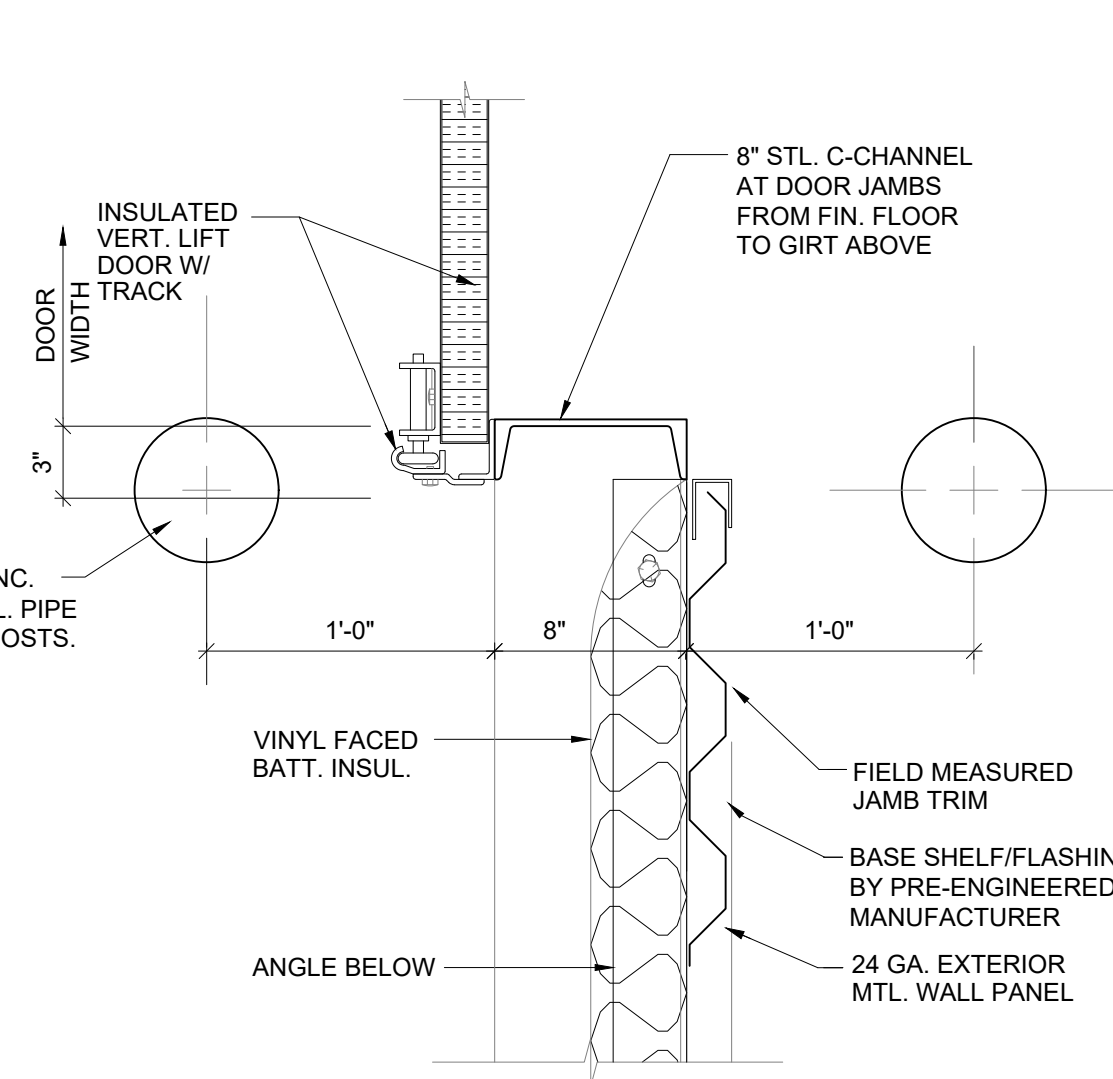
B HEAD DETAIL
A-1-04 SCALE: 1-1/2" = 1'-0"



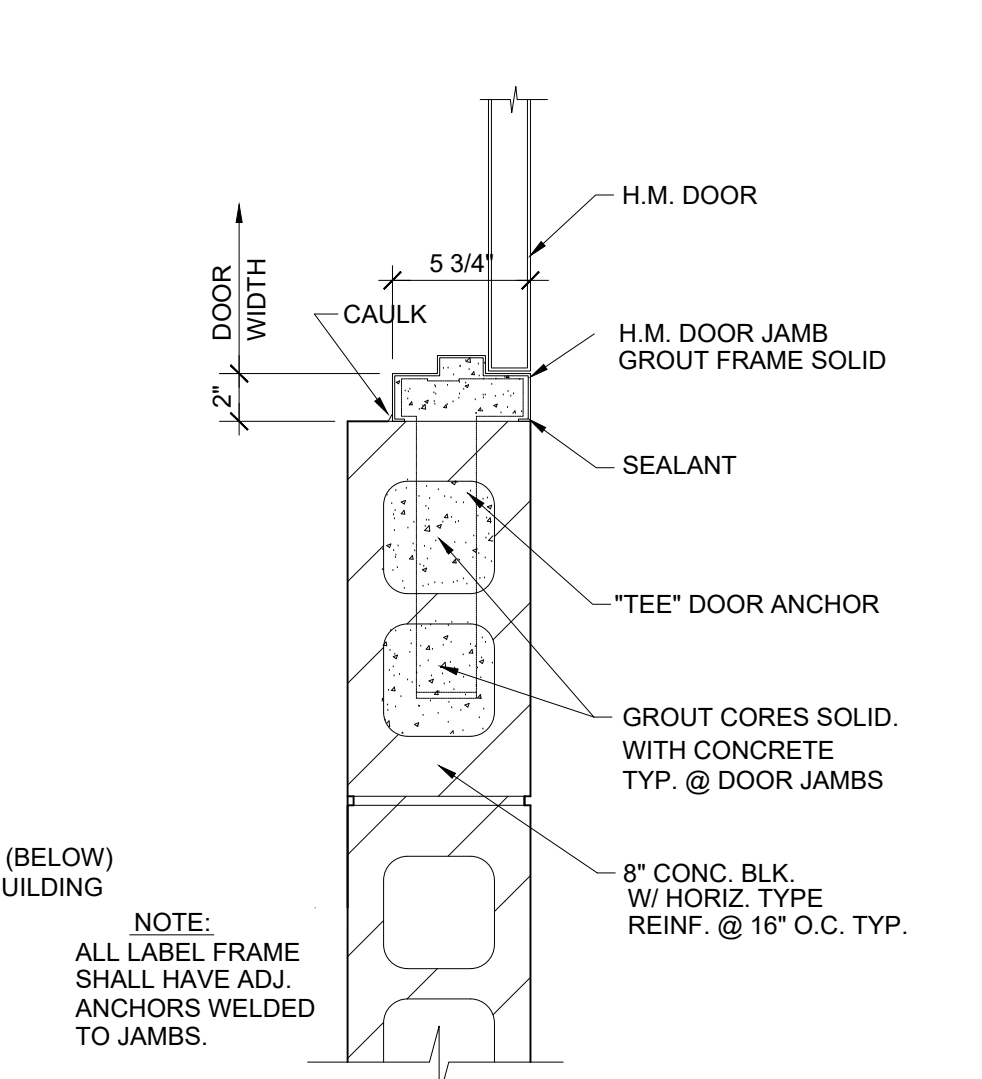
C HEAD DETAIL
A-1-04 SCALE: 1-1/2" = 1'-0"



D1 UPPER JAMB DETAIL
A-1-04 SCALE: 1-1/2" = 1'-0"



E1 UPPER JAMB DETAIL
A-1-04 SCALE: 1-1/2" = 1'-0"

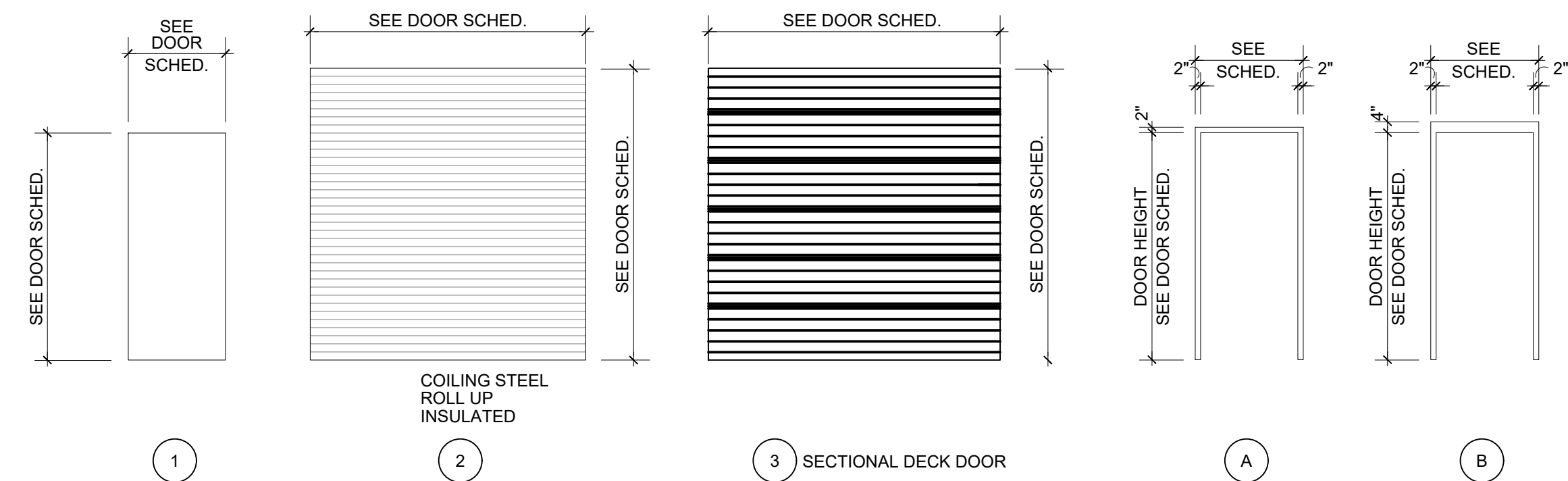


F JAMB DETAIL
A-1-04 SCALE: 1-1/2" = 1'-0"

DOOR SCHEDULE																	LEGEND ALUM. = ALUMINUM H.M. = HOLLOW METAL		I.D. = IMPACT DOOR MTL. = METAL STL. = STEEL		WD. = WOOD	
TYPE		DOOR					FRAME										REMARKS					
		SIZE			MAT'L.	TYPE	TEMP. GLASS	MAT'L.	TYPE	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	DEPTH	U.L. LABEL	HARDWARE SET NO.							
		WIDTH	HGT.	THK.																		
	101	6'-0"	7'-0"	1 3/4"	H.M.	1	-	H.M.	B	C	F	-	5 3/4"	-	B	GALVANIZED DOOR AND FRAME						
	102	3'-0"	7'-0"	1 3/4"	H.M.	1	-	H.M.	B	C	F	-	5 3/4"	-	A	GALVANIZED DOOR AND FRAME						
	103	3'-0"	7'-0"	1 3/4"	H.M.	1	-	H.M.	B	C	F	-	5 3/4"	-	A	GALVANIZED DOOR AND FRAME						
	104	3'-0"	7'-0"	1 3/4"	H.M.	1	-	H.M.	B	C	F	-	5 3/4"	-	A	GALVANIZED DOOR AND FRAME						
	105	6'-0"	7'-0"	1 3/4"	H.M.	1	-	H.M.	B	C	F	-	5 3/4"	-	C	GALVANIZED DOOR AND FRAME						
	106	3'-0"	7'-0"	1 3/4"	H.M.	1	-	H.M.	B	C	F	-	5 3/4"	-	A	GALVANIZED DOOR AND FRAME						
	107	6'-0"	7'-0"	1 3/4"	H.M.	1	-	H.M.	B	C	F	-	5 3/4"	-	C	GALVANIZED DOOR AND FRAME						
	OH1	10'-0"	12'-0"	1 3/4"	STL.	2	-	METAL	-	A	D					GALVANIZED DOOR AND FRAME, MANUAL OPERATION						
	OH2	10'-0"	12'-0"	1 3/4"	STL.	3	-	METAL	-	B	E					GALVANIZED DOOR AND FRAME, MANUAL OPERATION						
	OH3	10'-0"	12'-0"	1 3/4"	STL.	3	-	METAL	-	B	E					GALVANIZED DOOR AND FRAME, MANUAL OPERATION						

HARDWARE SETS

- A. MORTISE, ENTRY/EXIT LOCKSET W/LEVER HANDLES AND THUMBTHURN, CHROME FINISH; CLOSER; DRIP HEAD; 1 1/2 PAIR BUTTS; THRESHOLD; WEATHER STRIPPING
- B. MORTISE, ENTRY/EXIT LOCKSET W/LEVER HANDLES AND THUMBTHURN, CHROME FINISH; CLOSER; DRIP HEAD; 1 1/2 PAIR BUTTS PER LEAF; ASTRAGAL; COORDINATOR; REMOVABLE MULLION; THRESHOLD; WEATHER STRIPPING
- C. MORTISE, STORAGE LOCKSET W/LEVER HANDLES, CHROME FINISH; KICKPLATE; 1 1/2 PAIR BUTTS PER LEAF; ASTRAGAL;



DOOR & DOOR FRAME ELEVATIONS

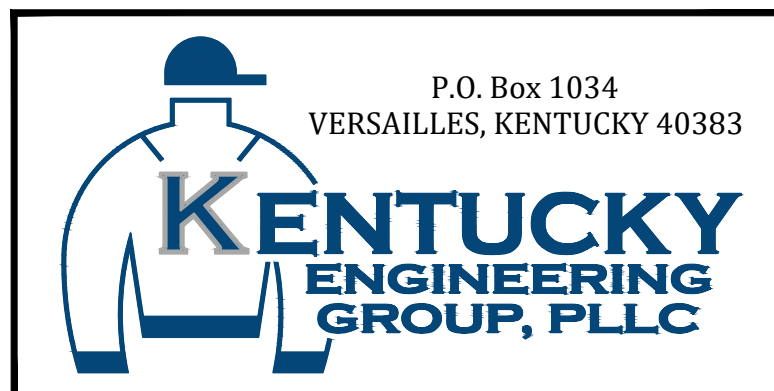
SCALE: 1/4" = 1'-0"

IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER THIS DRAWING WITHOUT WRITTEN PERMISSION FROM KENTUCKY ENGINEERING GROUP, PLLC AND ACTING UNDER THE DIRECTION OF A LICENSED ENGINEER.

THIS DRAWING WAS PREPARED AT THE SCALE INDICATED. INACCURACIES IN THE STATED SCALE MAY BE INTRODUCED WHEN DRAWINGS ARE REPRODUCED BY ANY MEANS. USE THE GRAPHIC SCALE BAR IN THE DRAWING OR TITLE BLOCK TO DETERMINE THE ACTUAL SCALE.

NO.	DATE	REVISIONS	BY

DATE:	FEB 2026
PROJECT MGR:	RCC
DRAWN BY:	JBE
CHECKED BY:	JBE/RCC
SCALE:	AS NOTED
2025 © Kentucky Engineering Group, PLLC	



WATER TREATMENT PLANT
GAC FACILITY
FOR THE
CITY OF CYNTHIANA

GAC FACILITY BUILDING
DOOR SCHEDULE & DETAILS



PROJECT NO.
25009

SHEET NO.
A-1-04