

IMPROVEMENTS TO FOOD PREPARATION AREA, SUPPORT BUILDING MISSOURI EASTERN CORRECTIONAL CENTER PACIFIC, MISSOURI

OWNER: STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR

MISSOURI DEPARTMENT OF CORRECTIONS

PROJECT
MANAGEMENT: OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT
DESIGN AND CONSTRUCTION

APPLICABLE CODES: 2024 INTERNATIONAL BUILDING CODE
2024 INTERNATIONAL EXISTING BUILDING CODE
2024 INTERNATIONAL FIRE CODE
2023 NATIONAL ELECTRICAL CODE (NFPA 70)
2024 INTERNATIONAL MECHANICAL CODE
2024 INTERNATIONAL PLUMBING CODE
2024 INTERNATIONAL FUEL GAS CODE
2024 INTERNATIONAL ENERGY CONSERVATION CODE

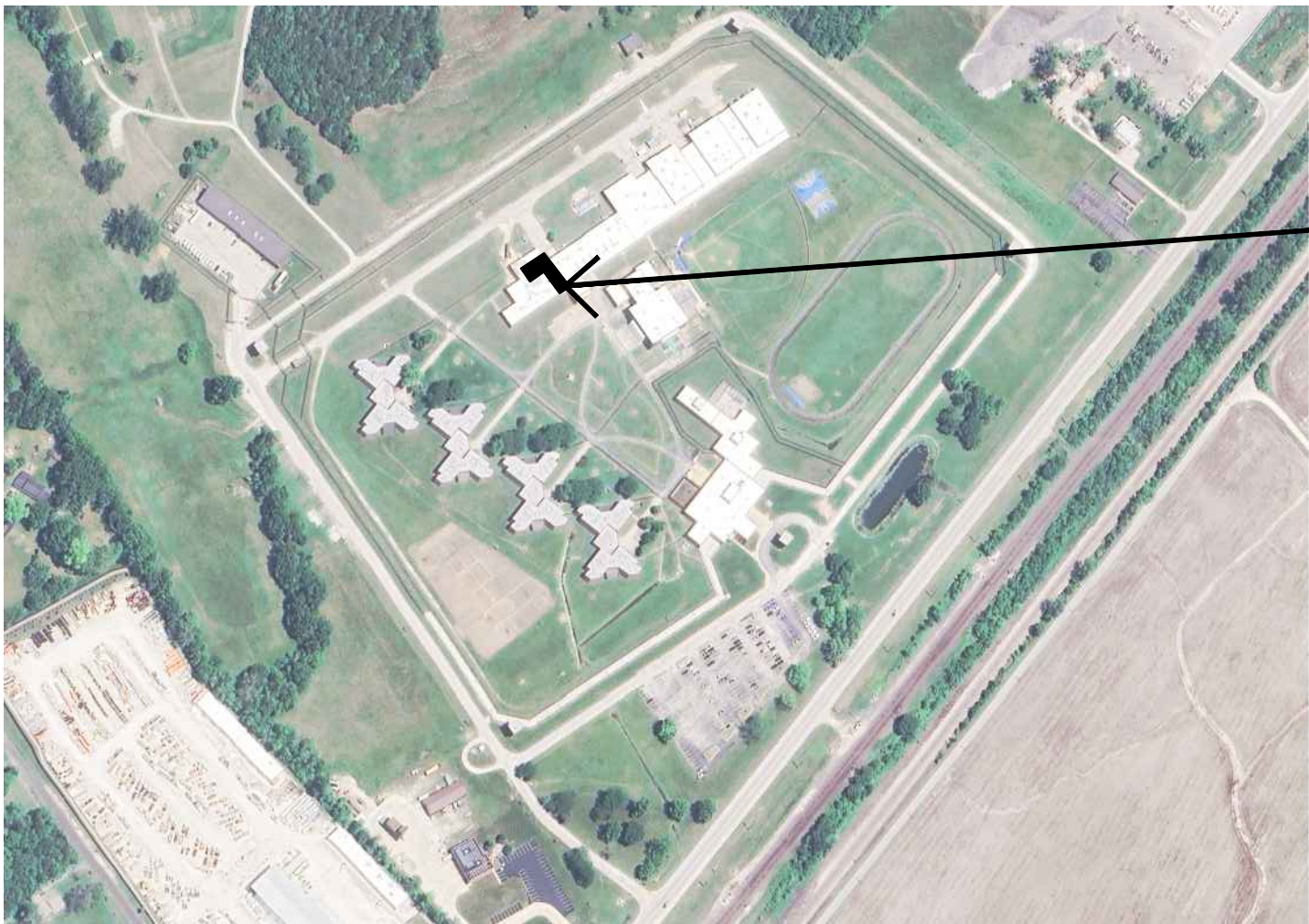
DESIGNER: CASCO DIVERSIFIED CORPORATION

PROJECT NUMBER: C2509-01

SITE NUMBER: 7007
ASSET NUMBER: 9327007014

CASCO
12 SUNNEN DR. SUITE 100
ST. LOUIS, MO 63143
ARCHITECTS / ENGINEERS
314-821-1100

CASCO DIVERSIFIED CORPORATION
MISSOURI STATE CERTIFICATE OF AUTHORITY #000613 (ENG)
MISSOURI STATE CERTIFICATE OF AUTHORITY #000329 (ARCH)



VICINITY MAP

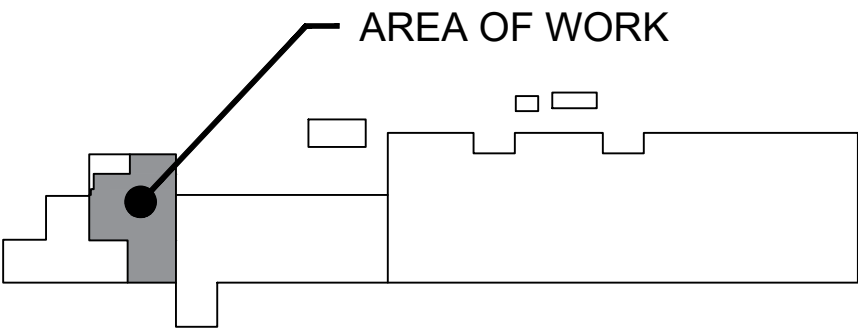
ADDRESS:
18701 US HIGHWAY 66,
PACIFIC, MO 63069



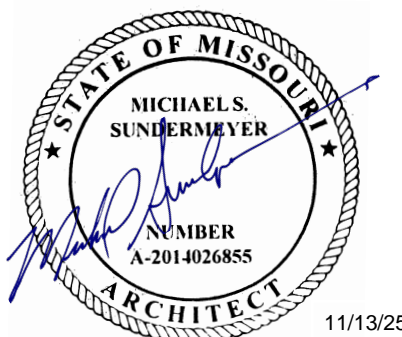
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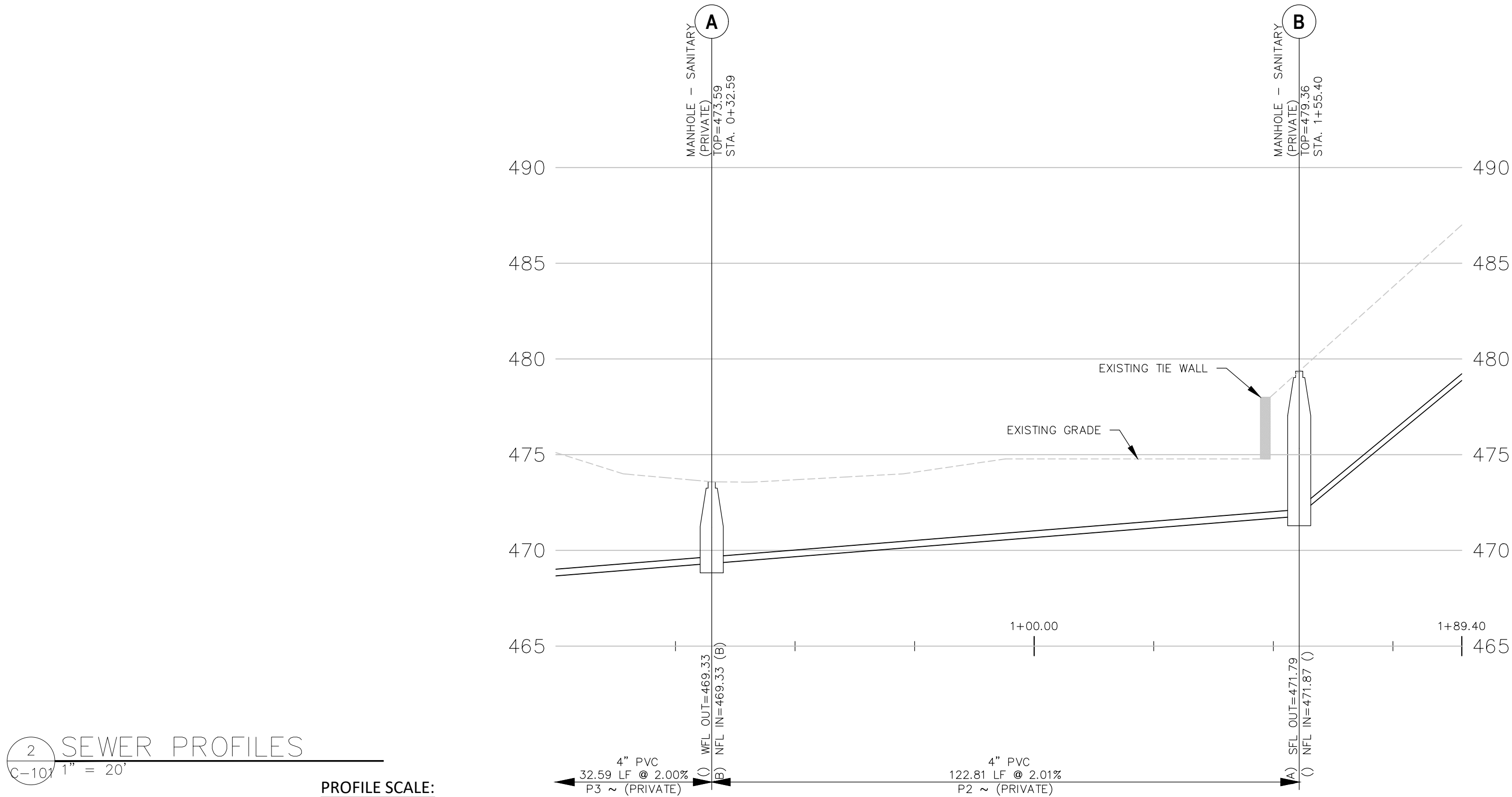
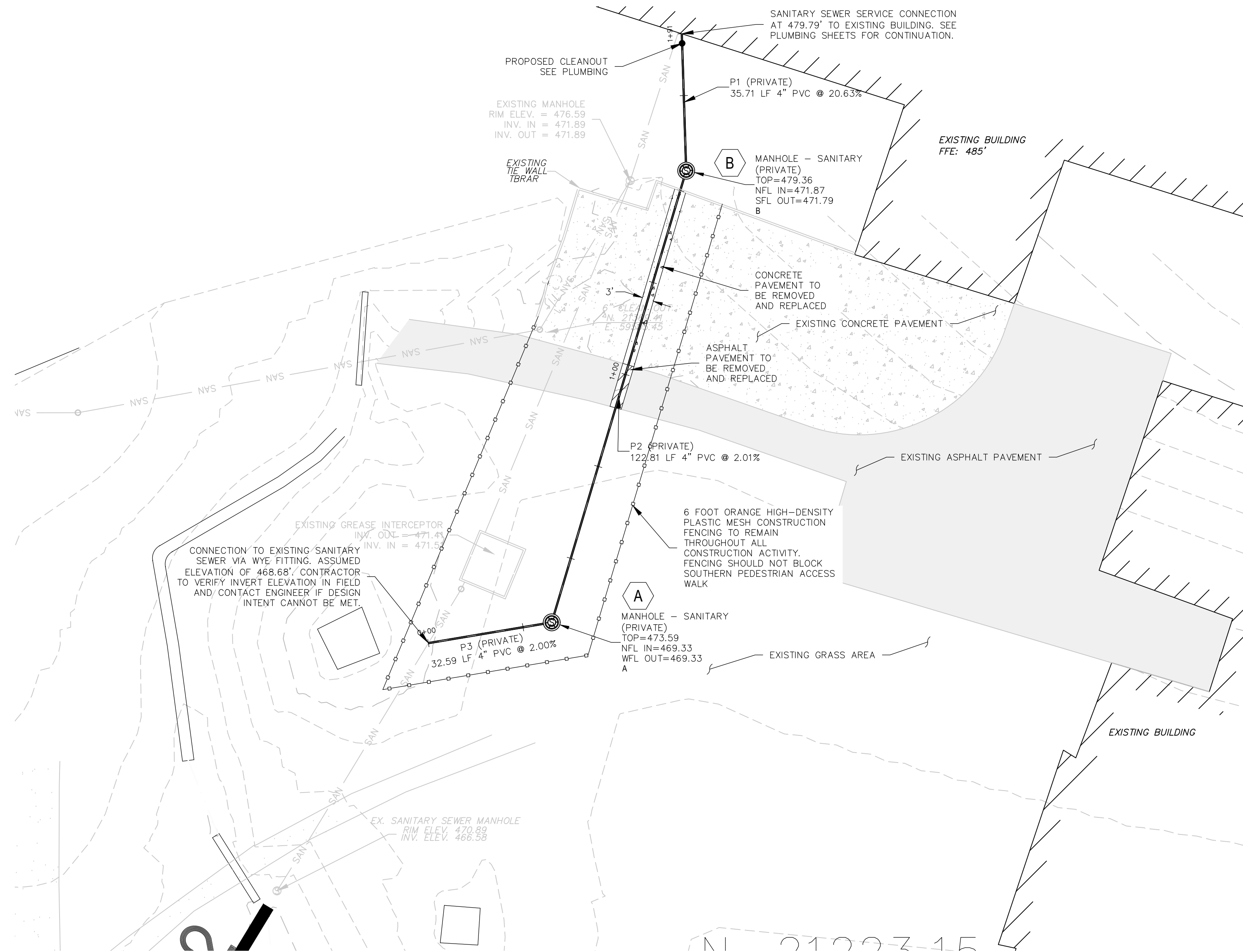
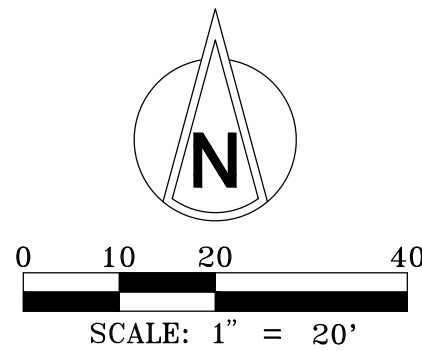
SITE KEY PLAN



SHEET NUMBER:

G-001

1 OF 20 SHEETS
11/13/2025



PROPOSED SANITARY PROFILE

GENERAL NOTES:

1. ALL PARAMETERS OF WORK IS BASED OFF OF AS-BUILTS FROM THE MISSOURI EASTERN CORRECTIONAL CENTER SANITARY SEWER REPAIRS ON AUGUST 1998. ALL UTILITY LOCATIONS AND ELEVATIONS NEED TO BE FIELD VERIFIED. REFERENCE SHEET C-102 FOR THE EXISTING SITE PLAN COMPLETED IN 1998.
2. ALL SCOPE OF WORK SHOWN ON THIS SHEET IS ALTERNATE #1 AND SHALL NOT BE INCLUDED IN BASE BID PRICING.
3. GRADING SHALL BE FIELD VERIFIED BY THE CONTRACTOR AS RECENT SURVEY IS NOT AVAILABLE FOR THIS WORK.
4. ALL AREAS WHERE PAVEMENT IS TO BE DISTURBED SHALL BE TRENCHED AND REPAIRED WITH MATCHING MATERIAL.
5. REFERENCE PLUMBING DOCUMENTS FOR FURTHER INFORMATION WHERE CONNECTION AT BUILDING OCCURS INCLUDING EXTERIOR GRADE CLEANOUT.
6. REFERENCE SPECIFICATIONS FOR EXTERIOR UTILITY WORK, TRENCHING, AND SITE REPAIR.

ALTERNATE #1 GENERAL SCOPE OF WORK:

1. THE INTENT OF ALTERNATE #1 IS TO BRING THE SANITARY SEWER SYSTEM INTO COMPLIANCE BY SEGREGATING GREASE-BEARING WASTE FROM NON-GREASE WASTE. SANITARY SEWER LINES SERVING RESTROOMS AND OTHER NON-KITCHEN FIXTURES SHALL BE REROUTED TO BYPASS THE GREASE INTERCEPTOR AND CONNECT DIRECTLY TO THE SANITARY SYSTEM. KITCHEN WASTE LINES CARRYING GREASE SHALL REMAIN ROUTED THROUGH THE EXISTING GREASE INTERCEPTOR BEFORE DISCHARGE TO THE SANITARY SYSTEM. REFERENCE PLUMBING DRAWINGS FOR ALL WORK ASSOCIATED WITH UNDER SLAB SANITARY PIPING. THE CONTRACTOR SHALL COORDINATE NEW SANITARY CONNECTIONS AS SHOWN AND ENSURE COMPLETE SEPARATION OF GREASE AND NON-GREASE WASTE STREAMS. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE STATE AND LOCAL PLUMBING CODES.

SITE UTILITY GENERAL NOTES - TRENCHING & SURFACE RESTORATION

1. CONTRACTOR SHALL SAW-CUT ALL PAVEMENT, CURB, AND SIDEWALK SURFACES TO STRAIGHT/CLEAN LINES PRIOR TO EXCAVATION. SAW-CUTS SHALL EXTEND BEYOND THE OUTER LIMITS OF THE TRENCH TO ALLOW FOR FULL-DEPTH REPLACEMENT.
2. ALL EXISTING GRASS AREAS DISTURBED DURING TRENCHING SHALL BE STRIPPED, STOCKPILED, AND REPLACED, OR SHALL BE RESTORED WITH NEW TOPSOIL, SEED, AND STRAW TO MATCH ADJACENT CONDITIONS.
3. BACKFILL IN GRASS AREAS SHALL BE COMPACTED IN LIFTS TO MINIMIZE SETTLEMENT. FINAL GRADES SHALL MATCH ADJACENT SLOPES AND DRAINAGE PATTERNS.
4. BACKFILL BENEATH ASPHALT OR CONCRETE SURFACES SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY (ASTM D698) TO SUPPORT NEW SURFACE MATERIAL.
5. ALL DISTURBED CONCRETE SURFACES SHALL BE REPLACED WITH MATCHING THICKNESS AND STRENGTH, WITH SAW-CUT EDGES AND PROPER JOINTING TO MATCH EXISTING CONDITIONS.
6. ALL DISTURBED ASPHALT SURFACES SHALL BE REPLACED WITH MATCHING ASPHALT SECTION (BASE AND WEARING COURSE) TO MATCH EXISTING THICKNESS AND SURFACE FINISH.
7. TRENCH WIDTHS SHALL BE MINIMIZED TO THE EXTENT PRACTICABLE BUT SHALL ALLOW FOR THE PROPER PIPE INSTALLATION, BEDDING, AND COMPACTION PER PROJECT SPECIFICATIONS.
8. PIPE BEDDING MATERIAL SHALL CONSIST OF CLEAN, WELL-GRADED AGGREGATE MEETING SPECIFICATIONS, PLACED AND COMPACTED TO PROVIDE UNIFORM PIPE SUPPORT.
9. CONTRACTOR SHALL RESTORE ALL REPLACED CONCRETE AND ASPHALT TO ORIGINAL CONDITION OR BETTER.
10. ALL RESTORATION SHALL BE SUBJECT TO APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO FINAL ACCEPTANCE.

SANITARY UTILITY GENERAL NOTES:

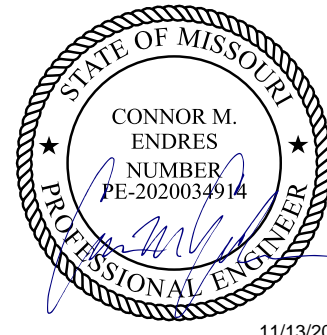
1. EXTERIOR SANITARY SEWER PIPING SHALL BE PVC SDR 35 (ASTM D3034) OR APPROVED EQUIVALENT, MINIMUM 4-INCH DIAMETER, UNLESS OTHERWISE NOTED.
2. MINIMUM PIPE SLOPE SHALL COMPLY WITH IPC TABLE 704.1: 4-INCH SANITARY LINES SHALL BE INSTALLED AT A MINIMUM 1/8 INCH PER FOOT (1%) SLOPE TOWARD THE CONNECTION OR MANHOLE.
3. ALL JOINTS SHALL BE WATERTIGHT, GASKETED PUSH-ON OR SOLVENT-WELDED PER MANUFACTURER'S INSTRUCTIONS AND IPC REQUIREMENTS.
4. PIPE BEDDING SHALL CONSIST OF CLEAN, WELL-GRADED GRANULAR MATERIAL, COMPACTED TO PROVIDE CONTINUOUS SUPPORT ALONG THE PIPE BARREL, WITH BACKFILL COMPACTED IN LIFTS TO PREVENT SETTLEMENT.
5. MINIMUM COVER OVER EXTERIOR SANITARY PIPE SHALL BE 30 INCHES IN PAVED AREAS AND IN LANDSCAPING AREAS, OR AS REQUIRED TO PROTECT FROM FREEZING.
6. CLEANOUTS SHALL BE INSTALLED AT THE BUILDING CONNECTION, AT CHANGES IN DIRECTION GREATER THAN 48 DEGREES, AND AT INTERVALS NOT EXCEEDING 100 FEET, IN ACCORDANCE WITH IPC 708.3.
7. ALL SANITARY WORK SHALL BE TESTED FOR LEAKAGE IN ACCORDANCE WITH IPC 312 PRIOR TO BACKFILLING.
8. INSTALLATION SHALL CONFORM TO THE 2024 INTERNATIONAL PLUMBING CODE.

SANITARY MANHOLE GENERAL NOTES:

1. SANITARY MANHOLES SHALL BE PRECAST REINFORCED CONCRETE, MINIMUM 48-INCH DIAMETER, WITH FACTORY-CAST FLEXIBLE BOOTS FOR PIPE PENETRATIONS. BOOTS SHALL BE SIZED TO SEAL AROUND 4" PVC SDR-35 PIPE AND PROVIDE WATERTIGHT CONNECTIONS.
2. ALL MANHOLE JOINTS SHALL BE GROOVED WITH GASKETED OR MORTARED SEALS AND BE WATERTIGHT PER ASTM C478. INTERIOR SURFACES SHALL BE COATED OR LINED AS REQUIRED TO PROTECT AGAINST SEWER GAS CORROSION.
3. MANHOLE BENCHING AND CHANNELS SHALL BE POURED-IN-PLACE WITH SMOOTH CHANNELS ALIGNED TO MATCH PIPING INVERTS; CHANNEL WIDTH SHALL MATCH DIAMETER OF INCOMING/OUTGOING PIPE.
4. FRAMES AND COVERS SHALL BE CAST IRON, TRAFFIC-RATED IN PAVED AREAS, AND MARKED "SANITARY SEWER." SET FRAMES FLUSH WITH FINISH GRADE.
5. ALL MANHOLE INSTALLATIONS SHALL CONFORM TO THE 2024 INTERNATIONAL PLUMBING CODE ASTM STANDARDS.

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR

CASCO Diversified Corporation
MO Certificate of Authority #020613 Eng.
Exp. Date: 12/31/25



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Exp. Date: 12/31/26

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SITE # 7007
FACILITY# 9327007014

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DATE: _____
ISSUE DATE: 11/13/2025

CAD DWG FILE: _____
DRAWN BY: BPL
CHECKED BY: CME
DESIGNED BY: BPL

SHEET TITLE:

SITE UTILITY
PLAN
(ALTERNATE #1)

SHEET NUMBER:

C-101
2 OF 20 SHEETS

FOR REFERENCE
ONLY

PROFESSIONAL SEAL

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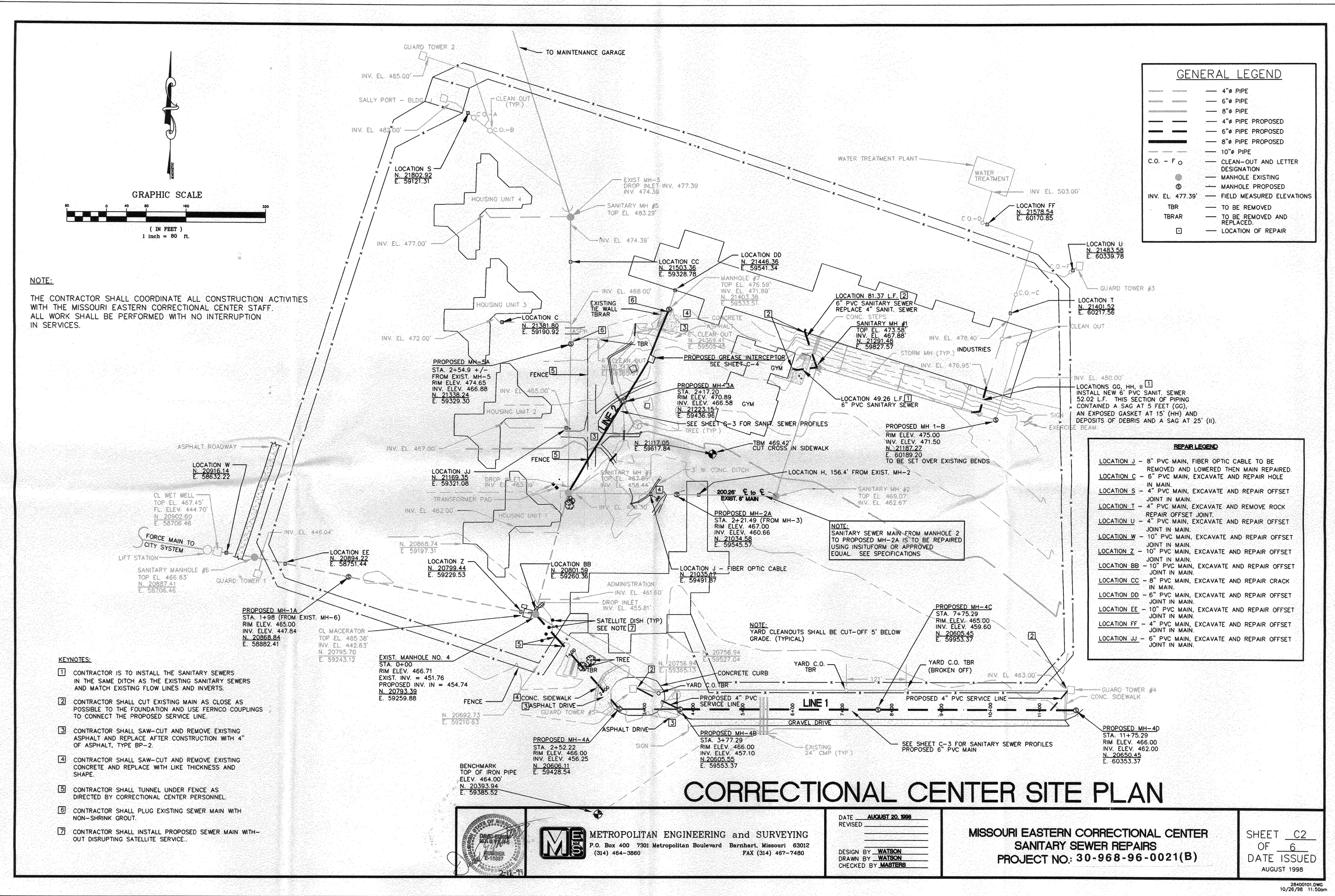
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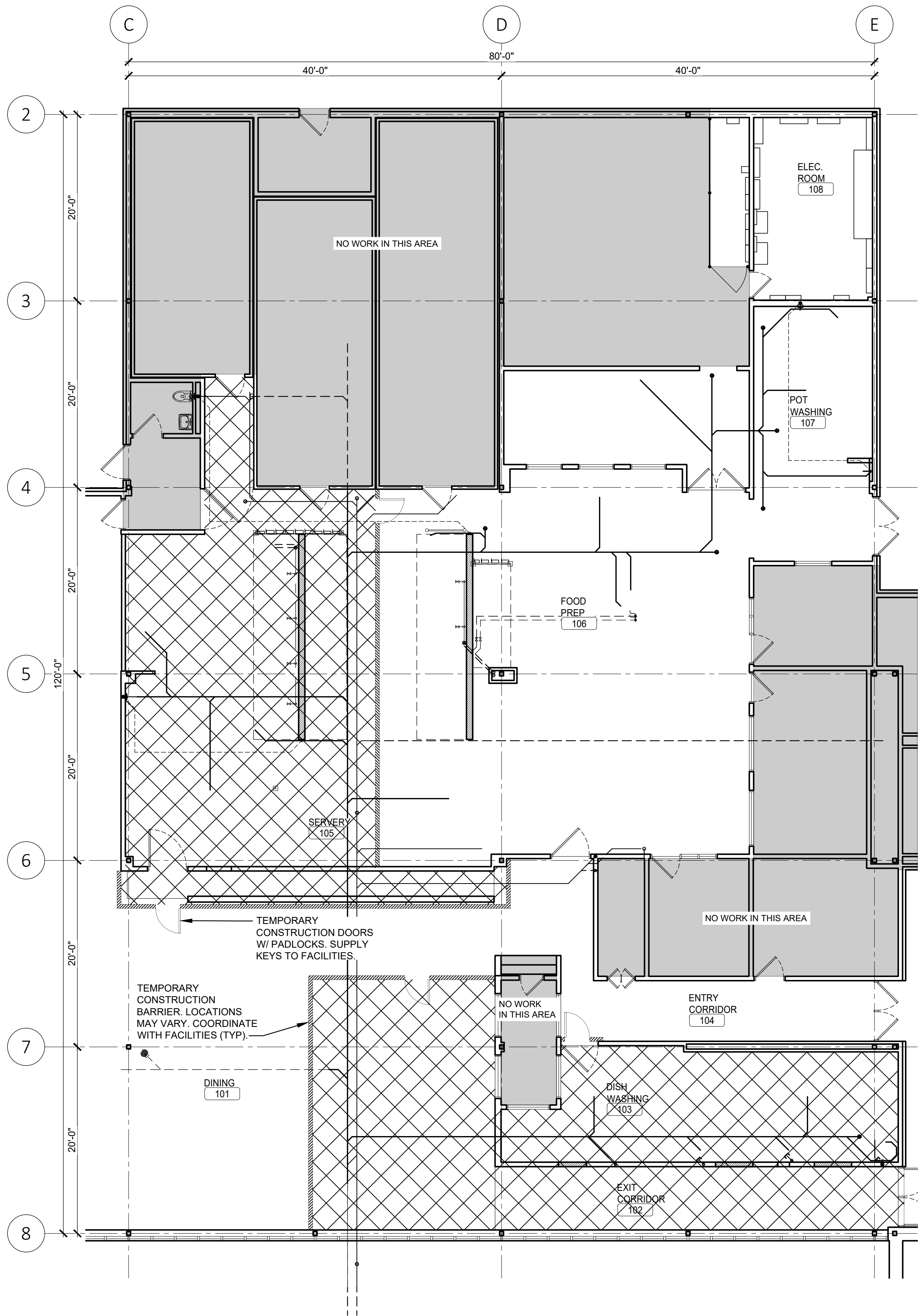
EXISTING SITE
PLAN (FOR
REFERENCE)

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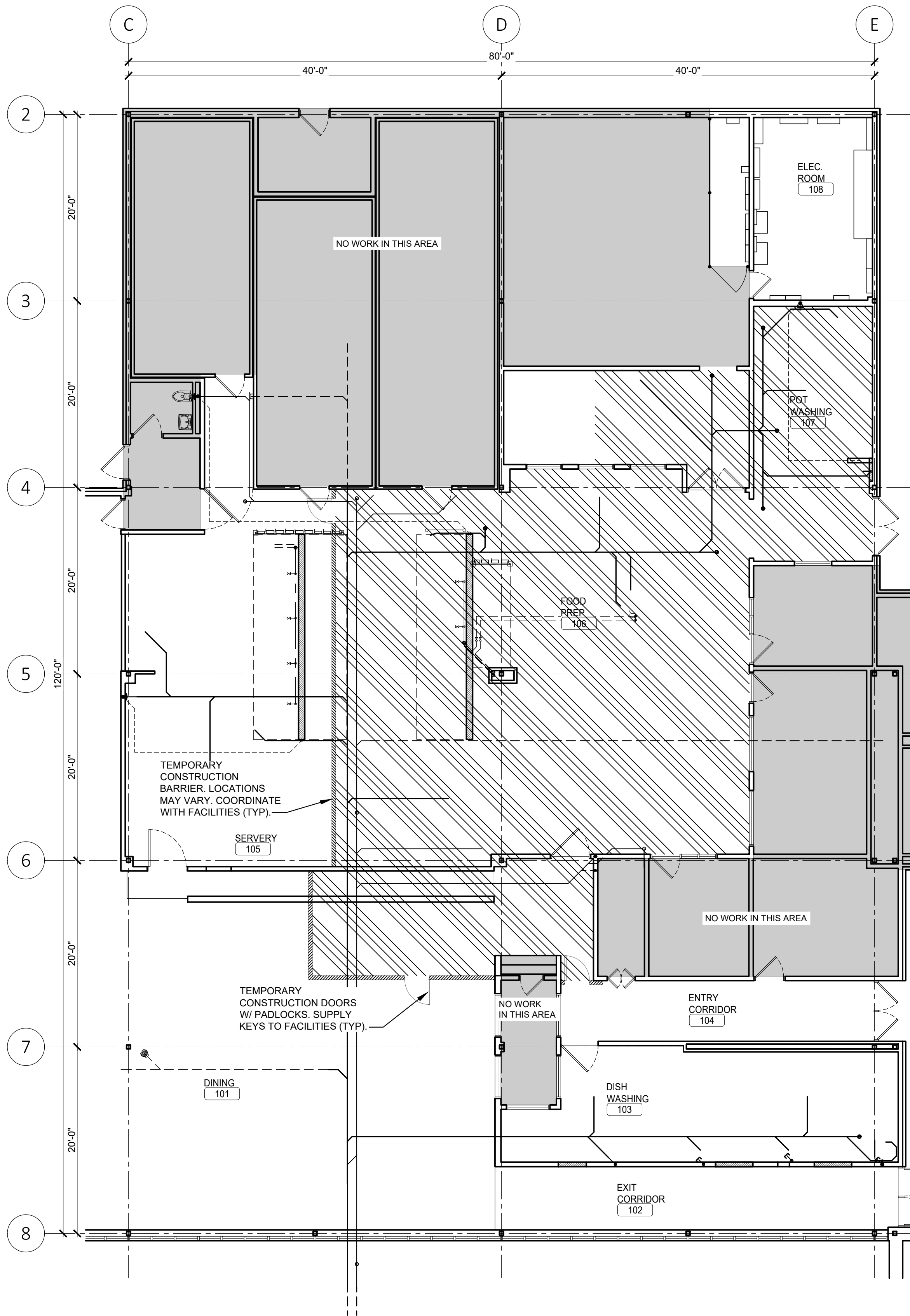
C-102

3 OF 20 SHEETS

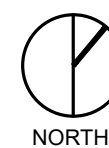




1 PHASING PLAN 1
A-103 SCALE: 1/8" = 1'-0"



2 PHASING PLAN 2
A-103 SCALE: 1/8" = 1'-0"



PHASING LEGEND	
	PHASE 1
	PHASE 2
	TEMPORARY BARRIER

GENERAL DEMOLITION NOTES

THE REMODEL OF THE COMMERCIAL KITCHEN WILL BE EXECUTED WITH A MINIMUM OF TWO PHASES TO MAINTAIN CONTINUOUS KITCHEN OPERATIONS THROUGHOUT CONSTRUCTION. THE PHASING STRATEGY PRIORITIZES KEEPING CRITICAL KITCHEN SYSTEMS—COOKING, HOOD VENTILATION, DISHWASHING, POT WASHING, AND WALK-IN REFRIGERATORS—OPERATIONAL AT ALL TIMES.

PHASE 1:

- THE PREP AREA WILL BE SPLIT, WITH HALF OF THE COOKING EQUIPMENT AND HOOD VENTILATION REMAINING OPERATIONAL WHILE THE OTHER HALF IS DEMOLISHED AND REMODELED.
- THE DISHWASHING AND POT WASHING ROOMS WILL BE SEPARATED; POT WASHING WILL REMAIN FULLY OPERATIONAL DURING PHASE 1 TO ENSURE CONTINUED SANITATION AND CLEANING CAPABILITIES.
- ACCESS TO WALK-IN REFRIGERATORS WILL BE MAINTAINED THROUGHOUT PHASE 1 TO SUPPORT ONGOING KITCHEN OPERATIONS.

PHASE 2:

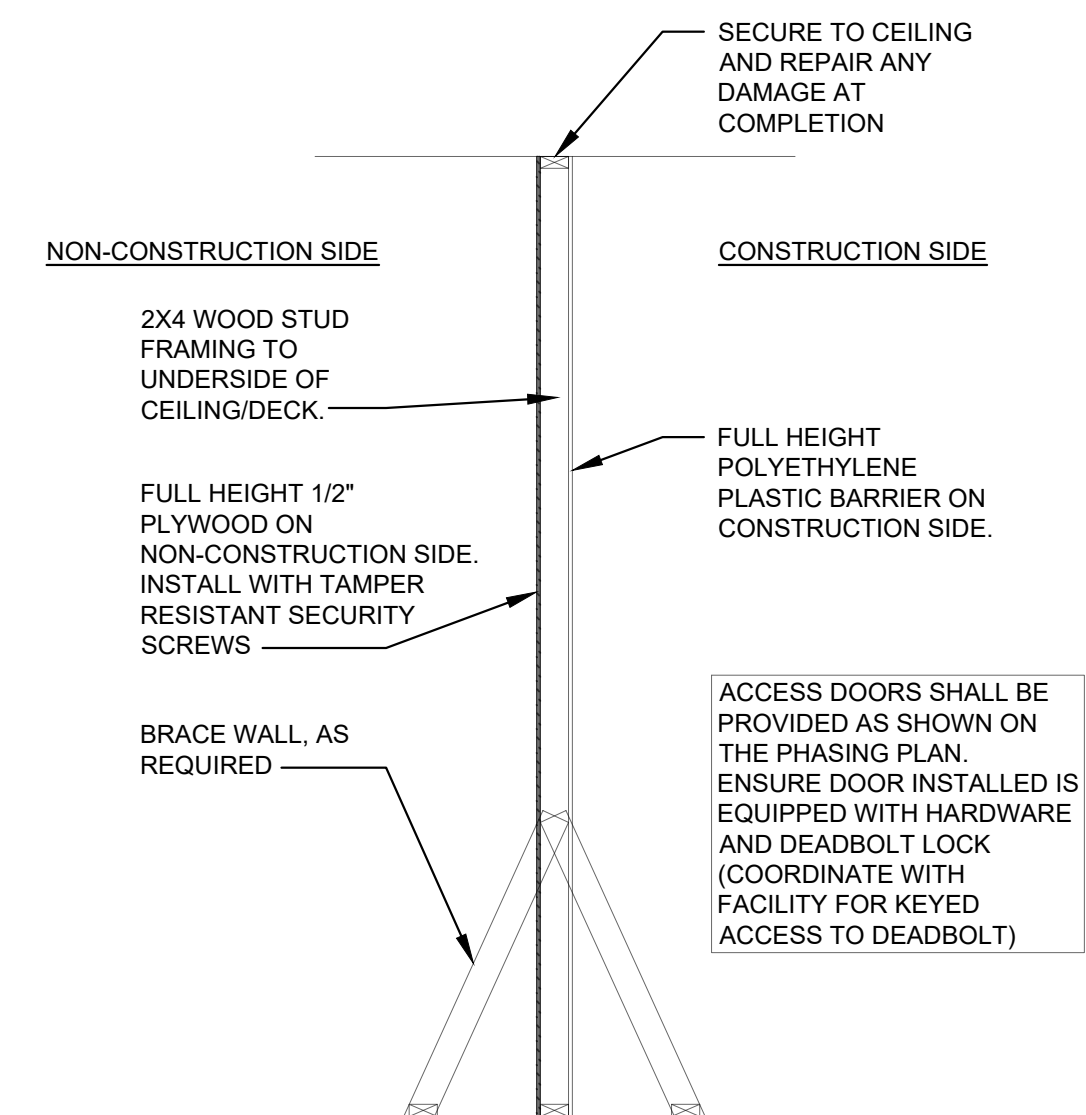
- FOLLOWING THE COMPLETION OF PHASE 1, THE REMAINING PORTION OF THE PREP AREA WILL BE DEMOLISHED.
- POT WASHING WILL BE RENOVATED WHILE DISHWASHING CONTINUES TO PROVIDE NECESSARY CLEANING SERVICES.
- WALK-IN REFRIGERATOR ACCESS WILL REMAIN UNINTERRUPTED.

DURING PHASE 2:

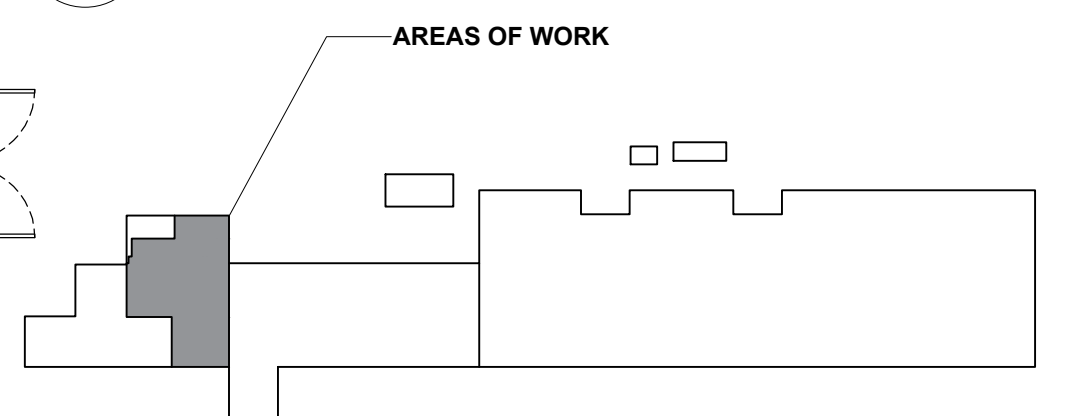
KEY CONSIDERATIONS:

- ALL PHASING WORK WILL COMPLY WITH HEALTH AND SAFETY STANDARDS, ENSURING FOOD SERVICE OPERATIONS CONTINUE UNINTERRUPTED.
- TEMPORARY BARRIERS, SIGNAGE, AND CONSTRUCTION SEQUENCING MUST BE IMPLEMENTED BY THE CONTRACTOR TO SEGREGATE CONSTRUCTION AREAS FROM ACTIVE KITCHEN OPERATIONS.
- HOOD, MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS WILL BE PHASED TO MAINTAIN CONTINUOUS SERVICE AND CODE COMPLIANCE.
- REFERENCE TEMPORARY BARRIER DETAILS, THIS SHEET, FOR REQUIRED CONTRACTOR INSTALLED SEPARATION DURING PHASE 1 AND PHASE 2 WORK.
- IF AN ADDITIONAL PHASE IS NECESSARY TO ENSURE CONTINUED KITCHEN AND FOOD SERVICE, CONTRACTOR SHALL WORK THAT OUT WITH OWNER/ARCHITECT/FACILITIES. NO ADDITIONAL COMPENSATION WILL BE GRANTED TO CONTRACTOR FOR ADDITIONAL PHASES.

IF ACCESS IS REQUIRED INTO ANY OF THE AREAS IN OPERATION, THE CONTRACTOR SHALL COORDINATE WITH THE FACILITY FOR INTERRUPTIONS IN SERVICE AND/OR TEMPORARY BARRIERS, I.E. FLOOR COVER PLATES, TEMPORARY WALLS AND ACCESS DOORS, ETC.



3 TEMP. BARRIER SECTION
A101 SCALE: 1/2" = 1'-0"



KEY PLAN



STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



11/13/25

MICHAEL S. SUNDERMEYER
License Number: 2014020605
Expiration Date: 12/31/26

PROFESSIONAL SEAL
CASCO Diversified Corporation
MO Certificate of Authority #000329 Arch.
MO Certificate of Authority #000613 Eng.

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CAD DWG FILE:
DRAWN BY: DRB
CHECKED BY: MSS
DESIGNED BY: DRB

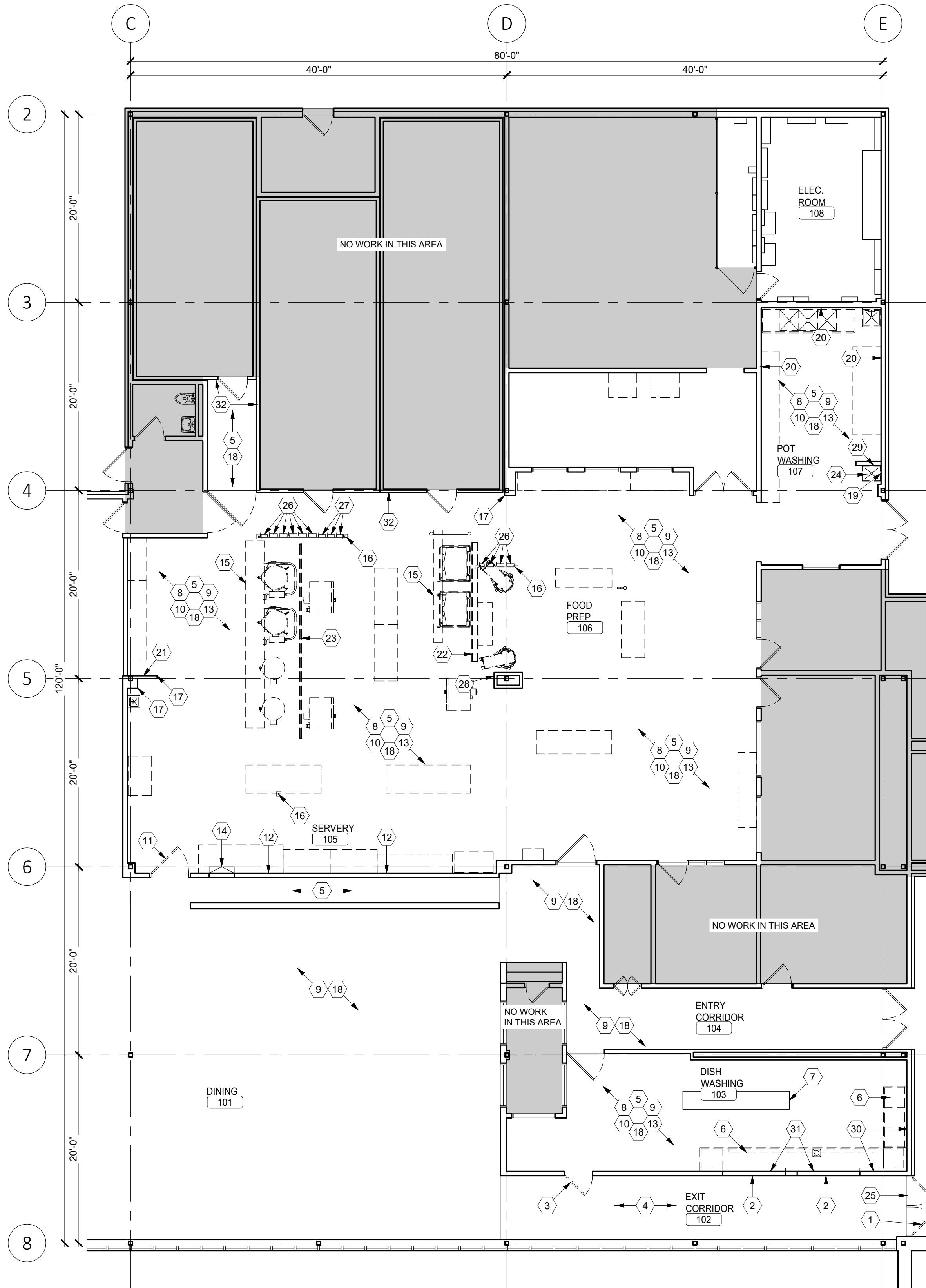
SHEET TITLE:

PHASING PLAN

SHEET NUMBER:

A-101
4 OF 20 SHEETS
11/13/2025

CASCO
12 Sunnen Drive, Suite 100, St. Louis, MO 63143 T: 314.821.1100



1
A-101

DEMO PLAN

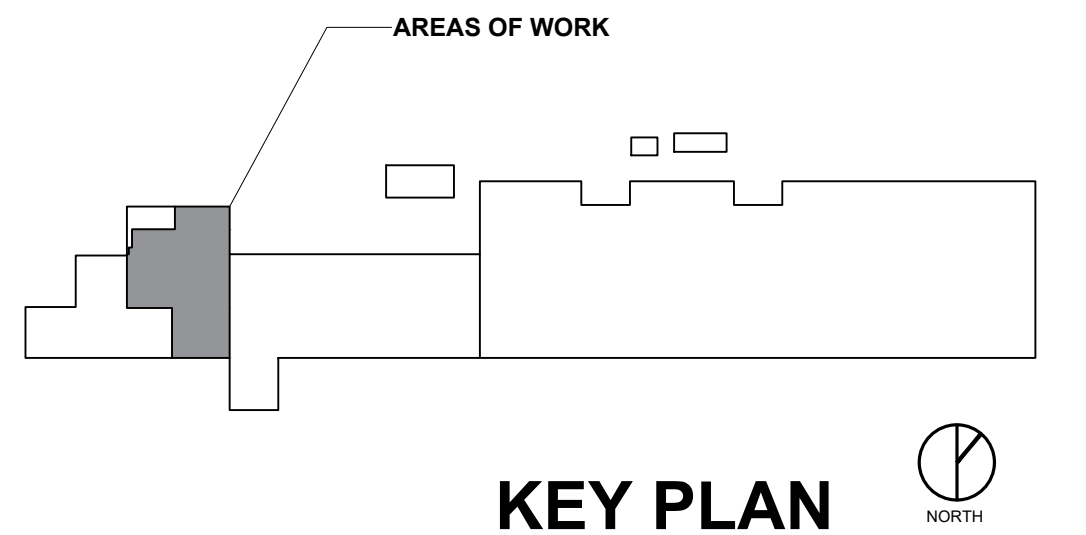
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GENERAL DEMOLITION NOTES

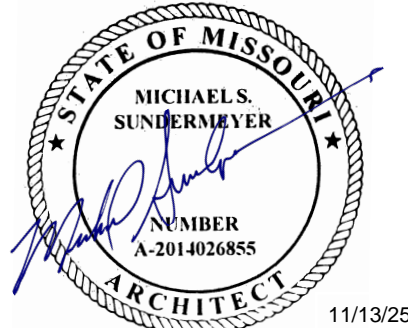
1. REFER TO DEMOLITION SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. REFER TO FLOOR PLAN FOR PROPOSED NEW CONSTRUCTION, SHEET A-103.
3. REFER TO PLUMBING DRAWINGS FOR PROPOSED NEW PLUMBING.
4. REMOVE ALL EXISTING SITE CONSTRUCTION AND DELETERIOUS MATERIAL UNLESS NOTED OTHERWISE (U.N.O.).
5. REMOVE ALL CHIPPING PAINT FROM WALLS, AS REQUIRED, FOR PREPARATION OF NEW PAINT.

- DEMOLITION KEYED NOTES**
1. EXISTING HOLLOW METAL DOOR & FRAME TO BE REMOVED COMPLETE. PREPARE OPENING FOR INSTALLATION OF NEW HOLLOW METAL DOOR & FRAME. REFER TO SHEET A-104 FOR ADDITIONAL INFORMATION.
 2. EXISTING PLEXI GLASS & STAINLESS STEEL TO BE REMOVED COMPLETE. PREPARE SURFACE FOR INSTALLATION OF NEW PAINT & STAINLESS STEEL PANELS.
 3. EXISTING METAL GRATE DOOR & FRAME TO BE REMOVED COMPLETE. PREPARE OPENING FOR INSTALLATION OF NEW CMU INFILL. REFER TO SHEET A-104 & A-601 FOR ADDITIONAL INFORMATION.
 4. PREPARE EXISTING CONCRETE FLOOR FOR GRINDING. REFER TO SHEET A-103 FOR THE EXTENT OF GRINDING.
 5. EXISTING QUARRY TILE TO BE REMOVED COMPLETE. REFER TO SHEET A-103 FOR EXTENT OF QUARRY TILE TO BE REMOVED.
 6. EXISTING KITCHEN EQUIPMENT ATTACHED TO PERIMETER WALLS TO BE REMOVED AND SALVAGED FOR REUSE. COORDINATE WITH OWNER FOR STORAGE LOCATION. REFER TO A-104 FOR ADDITIONAL INFORMATION.
 7. EXISTING ACCESSORY EQUIPMENT TO BE DETACHED, REMOVED, AND SALVAGED FOR REUSE. MAIN DISHWASHER TO REMAIN IN PLACE AND SUSPENDED, AS REQUIRED, FOR COMPLETE REMOVAL OF QUARRY TILE AND/OR CONCRETE UNDER DISHWASHER.
 8. EXISTING DRAIN LINES TO BE REMOVED COMPLETE. CAP ALL LINES 6" BELOW FINISHED FLOOR OR AT PERIMETER WALL. PROVIDE COVER PLATES FOR ANY LINES WITHIN PERIMETER WALL.
 9. EXISTING SANITARY LINES AND ASSOCIATED FLOOR CLEANOUTS / FLOOR SINKS / FLOOR DRAINS TO BE REMOVED COMPLETE, UNLESS NOTED OTHERWISE (U.N.O.).
 10. CAP ALL EXISTING UNUSED WATER LINES 6" BELOW FINISHED FLOOR OR AT PERIMETER WALL. PROVIDE COVER PLATES FOR ANY LINES WITHIN PERIMETER WALL. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
 11. EXISTING METAL GRATE DOOR AND FRAME TO BE REMOVED COMPLETE. PREPARE OPENING FOR NEW HOLLOW METAL DOOR AND FRAME. REFER TO SHEET A-104 FOR ADDITIONAL INFORMATION.
 12. EXISTING FRP TO BE REMOVED COMPLETE. PREPARE WALL FOR NEW PAINT & STAINLESS STEEL PANELING. REFER TO SHEET A-104 FOR ADDITIONAL INFORMATION.
 13. ALL EXISTING KITCHEN EQUIPMENT TO BE REMOVED AND SALVAGED FOR REINSTALLATION. COORDINATE WITH OWNER FOR STORAGE LOCATION. REFER TO SHEET A-104 FOR ADDITIONAL INFORMATION.
 14. EXISTING HINGED METAL SERVING DOOR & HINGES TO BE REMOVED COMPLETE. SALVAGE FOR REINSTALLATION. REPAIR, AS REQUIRED, TO LIKE NEW CONDITION.
 15. EXISTING TRENCH DRAIN TO BE REMOVED COMPLETE. PREPARE AREA FOR INSTALLATION OF NEW TRENCH DRAIN. REFER TO SHEET A-104 AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
 16. EXISTING UNISTRUT TO BE DETACHED FROM FLOOR, AS REQUIRED, TO INSTALL NEW QUARRY TILE. REATTACH TO FLOOR IN EXISTING LOCATION AFTER INSTALLATION OF NEW QUARRY TILE.
 17. EXISTING STAINLESS STEEL / STEEL / DIAMOND PLATE CORNER GUARDS TO BE REMOVED COMPLETE. PREPARE WALLS FOR INSTALLATION OF NEW CORNER GUARDS. REFER TO SHEET A-104 & A-601 FOR ADDITIONAL INFORMATION.
 18. EXISTING CONCRETE TO BE REMOVED, AS REQUIRED, FOR INSTALLATION OF NEW SANITARY PLUMBING. REFER TO SHEET A-103 AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
 19. EXISTING MOP SINK FAUCET & WATER LINES TO BE REMOVED, AS REQUIRED, FOR INSTALLATION OF NEW METAL STUD WALL. REFER TO SHEET A104 AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
 20. EXISTING WALL TILE TO BE REMOVED COMPLETE. PREPARE WALL FOR NEW PAINT AND STAINLESS STEEL PANELS. REFER TO SHEET A104 FOR ADDITIONAL INFORMATION.
 21. EXISTING CMU WALL TO REMAIN. REMOVE ANY DAMAGED CMU, AS REQUIRED, FOR INSTALLATION OF NEW CMU INFILL. BRACE WALL PRIOR TO REMOVAL OF ANY CMU.
 22. EXISTING METAL FRAME WALL TO BE REMOVED COMPLETE.
 23. EXISTING WALL & FRAMING TO BE REMOVED COMPLETE.
 24. EXISTING MOP SINK TO BE REMOVED COMPLETE.
 25. EXISTING AIR CURTAIN ABOVE SHALL BE REMOVED BY FACILITY STAFF IN PREPARATION OF DEMO OF EXIT DOOR & FRAME. COORDINATE WITH FACILITY STAFF FOR REMOVAL. ENSURE ELECTRICAL CONDUIT/WIRE IS PROPERLY TERMINATED ABOVE CEILING.
 26. EXISTING ELECTRICAL DISCONNECTS TO REMAIN, UNLESS NOTED OTHERWISE.
 27. EXISTING ELECTRICAL DISCONNECTS TO BE REMOVED. ALL ASSOCIATED CONDUIT & WIRING TO REMAIN. REFER TO SHEET A-104 FOR ADDITIONAL INFORMATION.
 28. DISCONNECT HARD-WIRED CONNECTION AT COLUMN JUNCTION BOX.
 29. EXISTING QUARRY TILE ON KNEEWALL TO BE REMOVED COMPLETE.
 30. EXISTING WALL PANELS TO BE REMOVED COMPLETE. PREPARE WALL SURFACE FOR NEW STAINLESS STEEL WALL PANELS AND PAINT. REFER TO A-104 FOR ADDITIONAL INFORMATION.
 31. CUT/MODIFY EXISTING STAINLESS STEEL COUNTER, AS REQUIRED, TO REINSTALL AT NEW OPENINGS. REFER TO SHEET A-104 FOR ADDITIONAL INFORMATION.
 32. AT FREEZER / COOLER WALLS CUT TO NEAREST TILE JOINT (WITHIN KITCHEN AREA) AND PROTECT EXISTING QUARRY TILE AND TILE EDGE.



KEY PLAN

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SITE # 7007
FACILITY# 9327007014

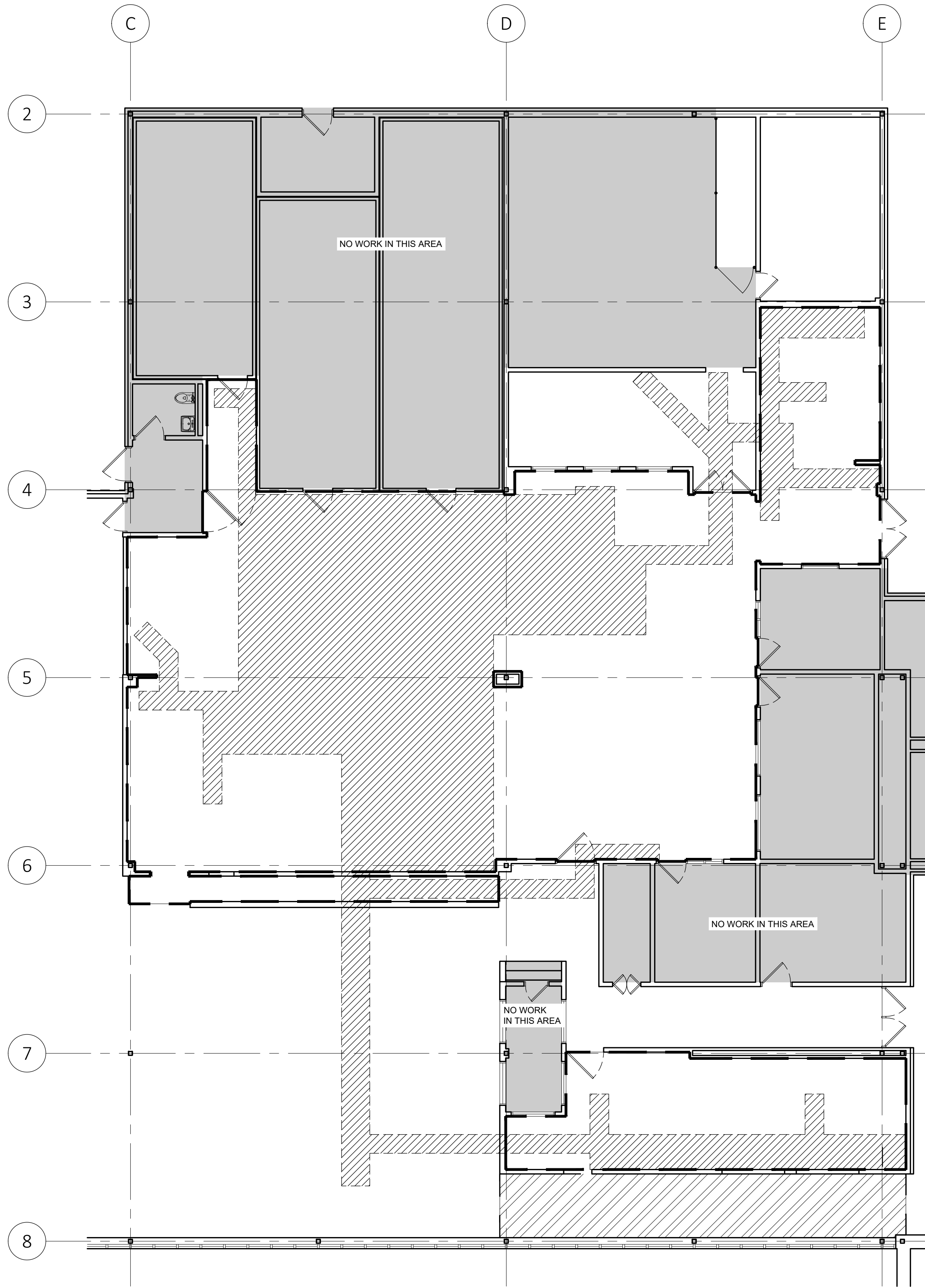
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DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 11/13/2025

CAD DWG FILE: _____
DRAWN BY: DRB
CHECKED BY: MSS
DESIGNED BY:DRB

SHEET TITLE:

DEMO FLOOR
PLAN

SHEET NUMBER:
A-102
5 OF 20 SHEETS
11/13/2025



2
A-101

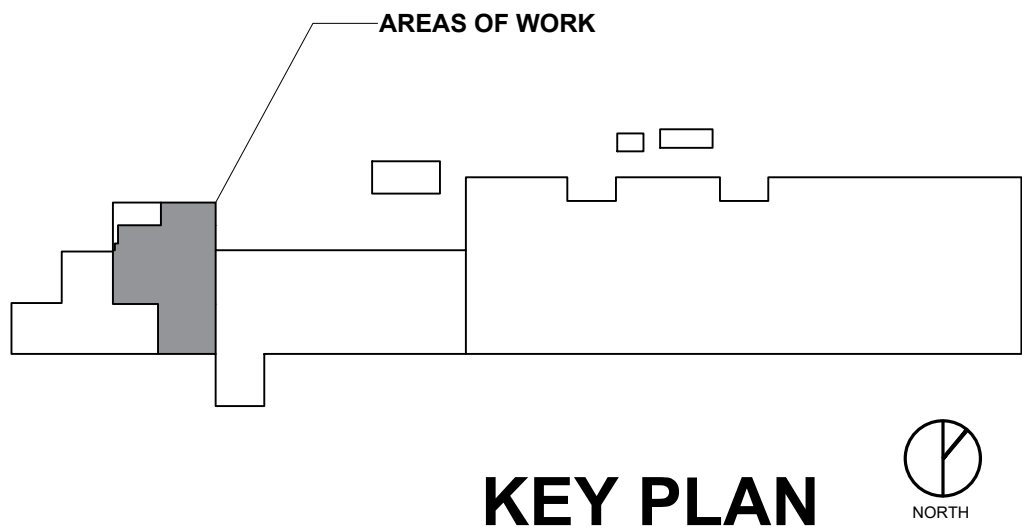
TRENCHING PLAN

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



TRENCHING LEGEND	
	AREA OUTLINE FOR QUARRY TILE FLOOR AND COVE BASE TO BE REMOVED.
	CUT/DEMO CONCRETE SLAB IN BOUNDARY AREA.
	GRIND CONCRETE SLAB IN BOUNDARY AREA.

GENERAL NOTES	
1.	HATCHES SHOWN ARE FOR GENERAL UNDERSTANDING OF THE AREA IMPACTED.
2.	CONTRACTOR MAY EXPAND AREA, AS REQUIRED, TO COMPLETE ENTIRE SCOPE OF WORK.



STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR

11/13/25

MICHAEL S. SUNDERMEYER
License Number: 2014026855
Expiration Date: 12/31/26

PROFESSIONAL SEAL

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PREPARATION AREA,
SUPPORT BUILDING
MISSOURI EASTERN
CORRECTIONAL CENTER
18701 US HIGHWAY 66,
PACIFIC, MO 63069

PROJECT # C2509-01
SITE # 7007
FACILITY# 9327007014

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ISSUE DATE: 11/13/2025

CAD DWG FILE: _____
DRAWN BY: DRB
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DESIGNED BY:DRB

SHEET TITLE:

TRENCHING
PLAN

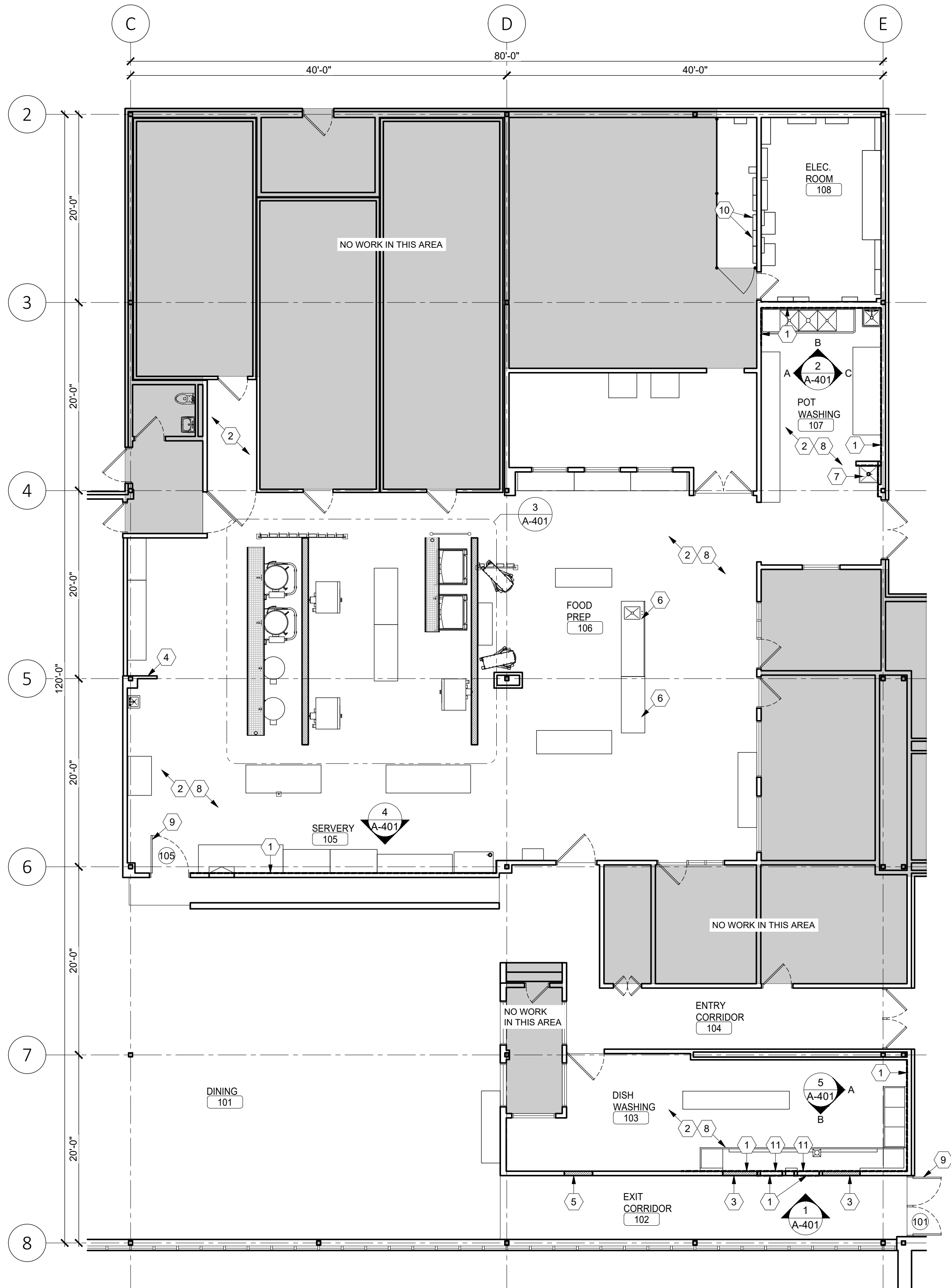
SHEET NUMBER:

A-103

6 OF 20 SHEETS
11/13/2025

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1
A-103

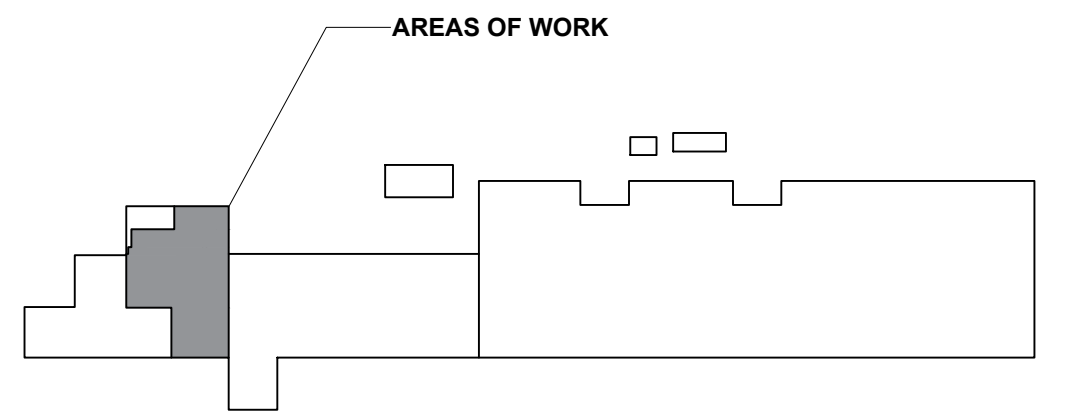
FLOOR PLAN

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



- GENERAL NOTES**
1. REFER TO GENERAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 2. ALL NEW BUILDING MATERIALS TO BE OF NON-COMBUSTIBLE OR WOOD FIRE RETARDANT TREATED MATERIAL.
 3. REFER TO DEMOLITION PLANS FOR LOCATIONS OF ALL ITEMS TO BE REMOVED UNLESS NOTED OTHERWISE.
 4. REFER TO INTERIOR FINISH SCHEDULE, SHEET A-601, FOR WALL FINISHES, FLOOR FINISH.
 5. ALL INTERIOR WALL DIMENSIONS ARE FROM FACE OF EXISTING OR NEW CMU AND GYPSUM WALLBOARD UNLESS NOTED OTHERWISE.
 6. ALL EXISTING CONSTRUCTION TO REMAIN SHALL BE CLEANED. PATCH AND REPAIR TO LIKE NEW CONDITION.

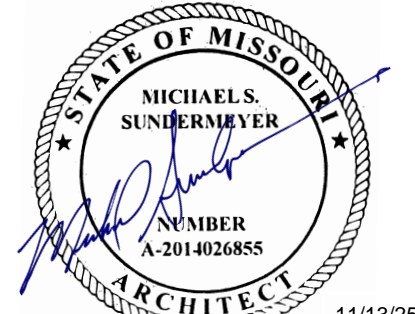
- KEYED NOTES**
- 1 NEW STAINLESS STEEL WALL PANELS. REFER TO FINISH PLAN, SHEET A-105, FOR ADDITIONAL INFORMATION.
 - 2 NEW QUARRY TILE. REFER TO FINISH PLAN, SHEET A-105, FOR ADDITIONAL INFORMATION.
 - 3 INFILL EXISTING OPENING WITH NEW CMU TO MATCH. NEW OPENING SIZE TO BE 8'H X 32"L. REFER TO DETAIL 9/A-601 FOR ADDITIONAL INFORMATION.
 - 4 PATCH & REPAIR EXISTING CMU WALL, AS REQUIRED, TO LIKE NEW CONDITION WITH NEW CMU TO MATCH. BRACE WALL PRIOR TO REMOVAL OF DAMAGED CMU. PREPARE SURFACE FOR NEW PAINT.
 - 5 INFILL EXISTING OPENING WITH NEW CMU TO MATCH EXISTING. PREPARE SURFACE TO RECEIVE PAINT. REFER TO DETAIL 10/A-601 FOR ADDITIONAL INFORMATION.
 - 6 G.C. TO PROVIDE AND INSTALL NEW PREP TABLE AND PREP TABLE W/ SINK. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION. REFER TO SPECIFICATIONS AND EQUIPMENT SCHEDULE, SHEET A-601, FOR BASIS OF DESIGN.
 - 7 G.C. TO PROVIDE AND INSTALL NEW MOP SINK. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION. REFER TO SPECIFICATIONS AND EQUIPMENT SCHEDULE, SHEET A-601.
 - 8 G.C. TO REINSTALL ALL KITCHEN EQUIPMENT COMPLETE TO PREVIOUS LOCATION, UNLESS NOTED OTHERWISE.
 - 9 NEW HOLLOW METAL DOOR. REFER TO DOOR SCHEDULE, SHEET A-601, FOR ADDITIONAL INFORMATION.
 - 10 EXISTING PANELS KPP1-A AND KPP1-2. POWER SOURCE FOR UNDER HOOD EQUIPMENT. CONTRACTOR SHALL VERIFY.
 - 11 MODIFY EXISTING WORK SURFACE TO EXTEND INTO NEW OPENINGS. REFER TO A-601 FOR DETAILS.



KEY PLAN

NORTH

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



MICHAEL S. SUNDERMEYER
License Number: 2014026855
Expiration Date: 12/31/26

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IMPROVEMENTS TO FOOD
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CORRECTIONAL CENTER
18701 US HIGHWAY 66,
PACIFIC, MO 63069

PROJECT # C2509-01
SITE # 7007
FACILITY# 9327007014

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DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 11/13/2025

CAD DWG FILE: _____
DRAWN BY: DRB
CHECKED BY: MSS
DESIGNED BY: DRB

SHEET TITLE:

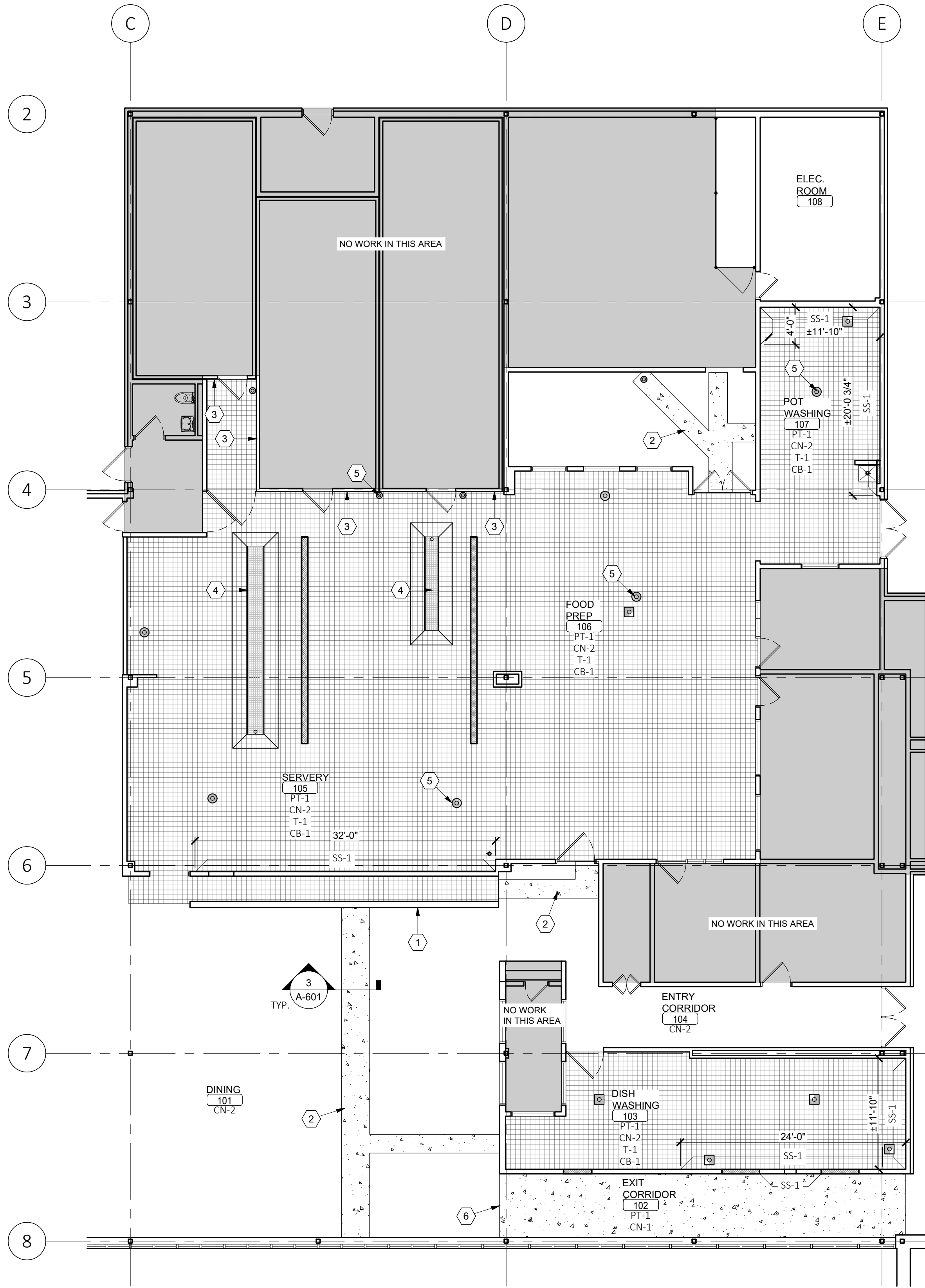
FLOOR PLAN

SHEET NUMBER:

A-104

7 OF 20 SHEETS
11/13/2025

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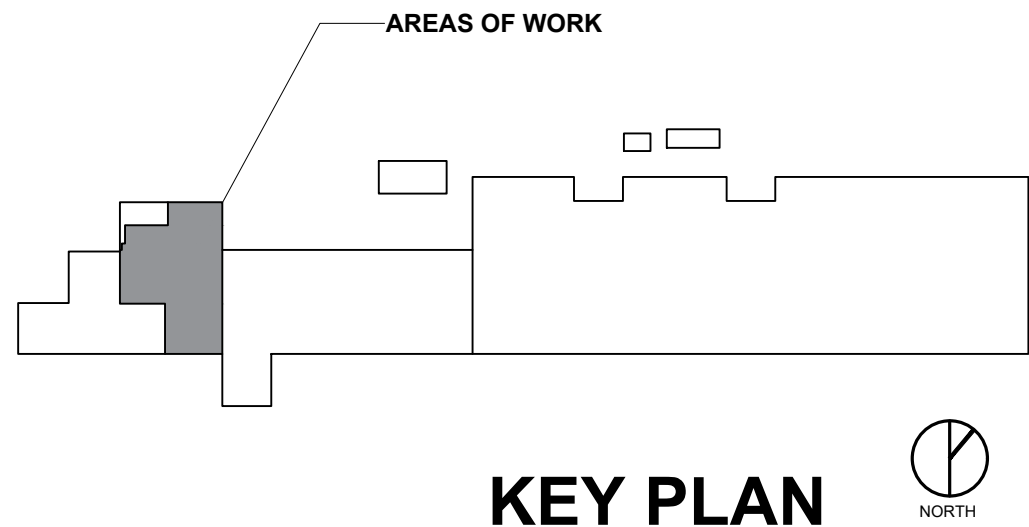
1
A-105 FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"



- FINISH PLAN GENERAL NOTES**
- REFERENCE SHEET A-601 FOR ROOM FINISH SCHEDULES AND GENERAL FINISH NOTES.
 - SEE ELEVATIONS ON SHEET A-401 FOR ADDITIONAL FINISH INFORMATION.
 - ALL AREAS WHERE QUARRY TILE OR CONCRETE TOPPING IS APPLIED, CONTRACTOR SHALL PAINT ALL WALL SURFACES PER FINISH LEGEND.
 - SAW CUT CONTROL JOINTS AT 10'-0" O.C. MAXIMUM EACH WAY (TYP) FOR ALL NEW CONCRETE SLABS.

PATTERN LEGEND	
	QUARRY TILE
	CONCRETE SLAB INFILL / CONCRETE LEVELER
	TRENCH DRAIN
	CMU WALL
FINISH LEGEND	
CB-1	COVE BASE - BASIS OF DESIGN: DAL TILE - RED BLAZE 0040 (1) - 5X6 TILE
CN-1	CONCRETE - LIGHTWEIGHT SELF-LEVELING CONCRETE TOPPING. COLOR - MATCH EXISTING
CN-2	CONCRETE INFILL - 3000 PSI CONCRETE (MIN.) COLOR - MATCH EXISTING
PT-1	PAINT - BASIS OF DESIGN: BENJAMIN MOORE OC-25 "CLOUD COVER"
SS-1	STAINLESS STEEL SHEET WALL CLADDING - BASIS OF DESIGN: INPRO, 4'X10'
T-1	QUARRY TILE - BASIS OF DESIGN: DAL TILE - RED BLAZE 0040, 6X6 TILE

- KEYED NOTES**
- PAINT ALL SIDES OF KNEEWALL.
 - MATCH EXISTING CONCRETE AND SEALER AT NEW CONCRETE LOCATIONS.
 - PROTECT EXISTING QUARRY TILE AT FREEZER / COOLER PANELS / DOORS AND INSTALL NEW TILE / GROUT TO CUT JOINT. PROVIDE FLUSH TRANSITIONS.
 - CONCRETE SHALL SLOPE 1/8" PER FOOT AROUND TRENCH DRAINS. SLOPED AREA SHALL BE A MIN. OF 18".
 - CONCRETE SHALL SLOPE 1/8" PER FOOT AROUND FLOOR DRAINS. SLOPED AREA SHALL BE A MIN. OF 24" RADIUS (TYP).
 - PROVIDE SMOOTH TRANSITION BETWEEN EXISTING AND NEW CONCRETE TOPPING - PROVIDE JOINT AND SEALANT AT TRANSITION AS NEEDED FOR SMOOTH/CLEAN TRANSITION.



KEY PLAN

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



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DESIGNED BY: DRB

SHEET TITLE:

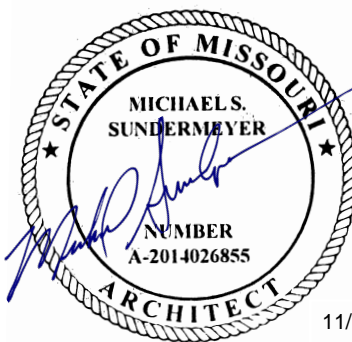
FLOOR FINISH
PLAN

SHEET NUMBER:

A-105

8 OF 20 SHEETS
11/13/2025

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REVISION:
DATE:
ISSUE DATE: 11/13/2025

CAD DWG FILE:
DRAWN BY: AMB
CHECKED BY: MSS
DESIGNED BY: AMB

SHEET TITLE:

ENLARGED PLANS
AND INTERIOR
ELEVATIONS

SHEET NUMBER:

A-401

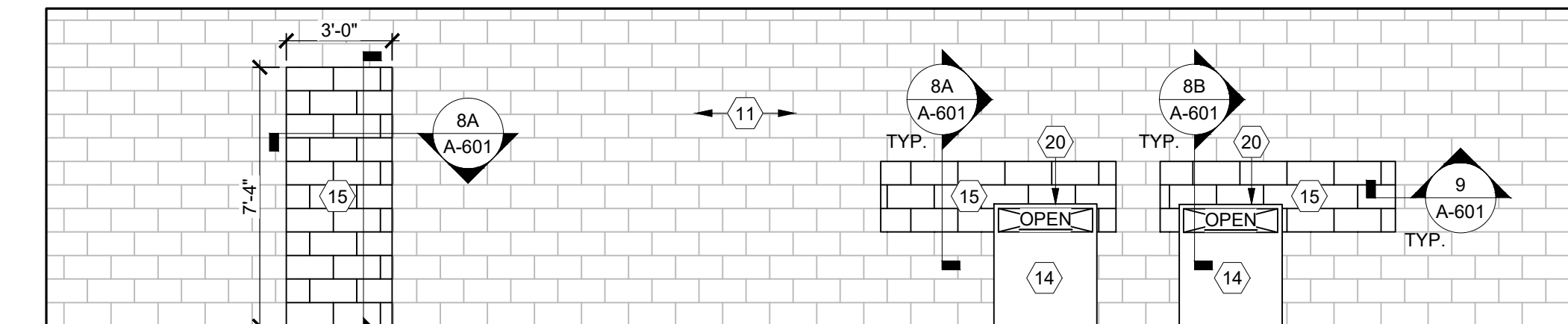
9 OF 20 SHEETS
11/13/2025

KEYED NOTES

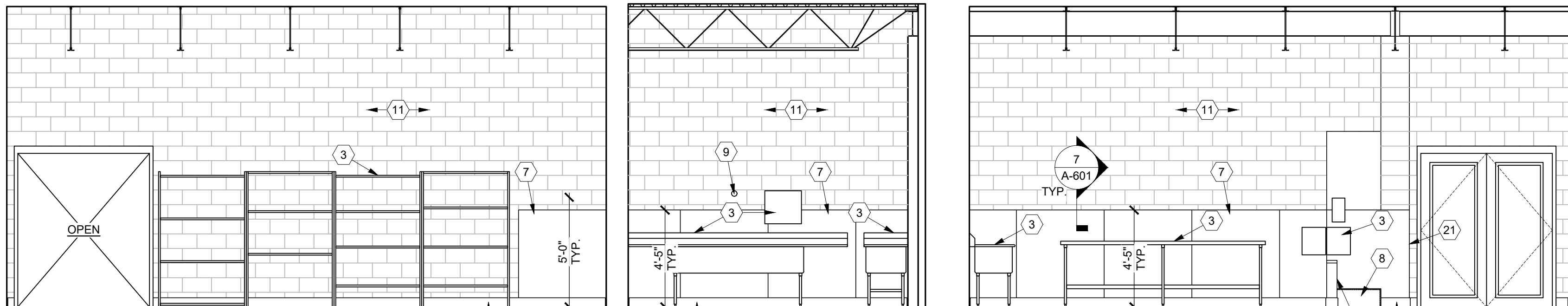
- NEW 4" CMU WALL TO 5'-0" A.F.F. CENTER WALL WITHIN EXHAUST HOOD ABOVE. REFER TO DETAIL 2/A-601 FOR ADDITIONAL INFORMATION.
- NEW TRENCH DRAIN WITH GRATE. REFER TO PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- REINSTALL EXISTING EQUIPMENT IN EXISTING LOCATION, UNLESS DIRECTED OTHERWISE BY OWNER.
- EXISTING ELECTRICAL DISCONNECTS FOR EXISTING KITCHEN EQUIPMENT. REFER TO DETAIL 2/A-601 FOR REUSED/REROUTED/REPLACED WIRE ROUTING ON NEW CMU WALL. TYPICALLY UNLESS NOTED OTHERWISE.
- EXISTING BOLLARD GUARD. PREPARE GUARD FOR NEW PAINT.
- EXISTING UNISTRUT. RECONNECT BASE, AS REQUIRED, AFTER INSTALLATION OF NEW QUARRY TILE FLOOR.
- NEW STAINLESS STEEL SHEET PANEL TO 4'-5" A.F.F. PREPARE CMU WALL, AS REQUIRED, FOR INSTALLATION OF NEW PANELS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. REFER TO DETAIL 7/A-601 FOR FINISHED TOP SEAM.
- NEW MOP SINK. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- EXISTING WALL CLEANOUT. DO NOT COVER WITH NEW STAINLESS STEEL PANELS.
- NEW QUARRY TILE COVE BASE. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- EXISTING CMU WALL. PREPARE SURFACE, AS REQUIRED, FOR PAINT AND INSTALLATION OF NEW STAINLESS STEEL PANELS.
- EXISTING FOOD TRAY TABLE AND METAL DOOR. REINSTALL IN ORIGINAL LOCATION. NOTIFY ARCHITECT IMMEDIATELY IF TABLE OR DOOR CANNOT BE REINSTALLED IN ORIGINAL LOCATION.
- NEW HOLLOW METAL DOOR IN EXISTING FRAME. PREPARE DOOR FOR INSTALLATION OF NEW FOOD PASS THRU DOOR. REFER TO DOOR SCHEDULE ON A-601 FOR SIZE.
- NEW STAINLESS STEEL PANELS. INSTALL FROM FINISHED FLOOR TO UNDERSIDE OF NEW OPENING. INSTALL STAINLESS STEEL PANELS IN NEW OPENING. INCLUDE A MIN. 1-1/2" FRAME AROUND NEW OPENING.
- NEW CMU INFILL IN EXISTING OPENING. REFER TO DETAILS ON SHEET A-601 FOR ADDITIONAL INFORMATION.
- NEW FOOD PASS THRU DOOR. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- REMOVE AND REPLACE OVENS 1A AND 1B, 2A AND 2B, AND 3A AND 3B (3) 30A DISCONNECT SWITCHES WITH (3) 80 AMP 600V NEMA 4X ENCLOSURE DISCONNECT SWITCHES. RECONNECT WIRING AND LABEL SWITCHES INDICATING EQUIPMENT FED AFTER INSTALLATION. CONTRACTOR SHALL VERIFY WIRE SIZE IS ADEQUATE FOR DEMAND LOADS.
- RECONNECT HARD WIRED POWER CORD TO JUNCTION BOX AT COLUMN.
- NEW STAINLESS STEEL SHEET PANEL ON KNEE WALL. PREPARE KNEE WALL, AS REQUIRED, FOR INSTALLATION OF NEW PANEL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. REFER TO DETAIL 7/A-601 FOR FINISHED TOP SEAM.
- WHERE POSSIBLE, MINIMIZE JOINTS IN STAINLESS STEEL PANELS. PROVIDE CONTINUOUS SURFACE AT BENDS. WHERE REQUIRED, PROVIDE STAINLESS STEEL TRIM AND CLEAR SEALANT FOR WATERPROOF CONDITIONS.
- G.C. SHALL PROVIDE A FINISHED TRIM EDGE AND CLEAR SEALANT AT ALL EXPOSED VERTICAL EDGES OF FRP (TYP).

GENERAL NOTES

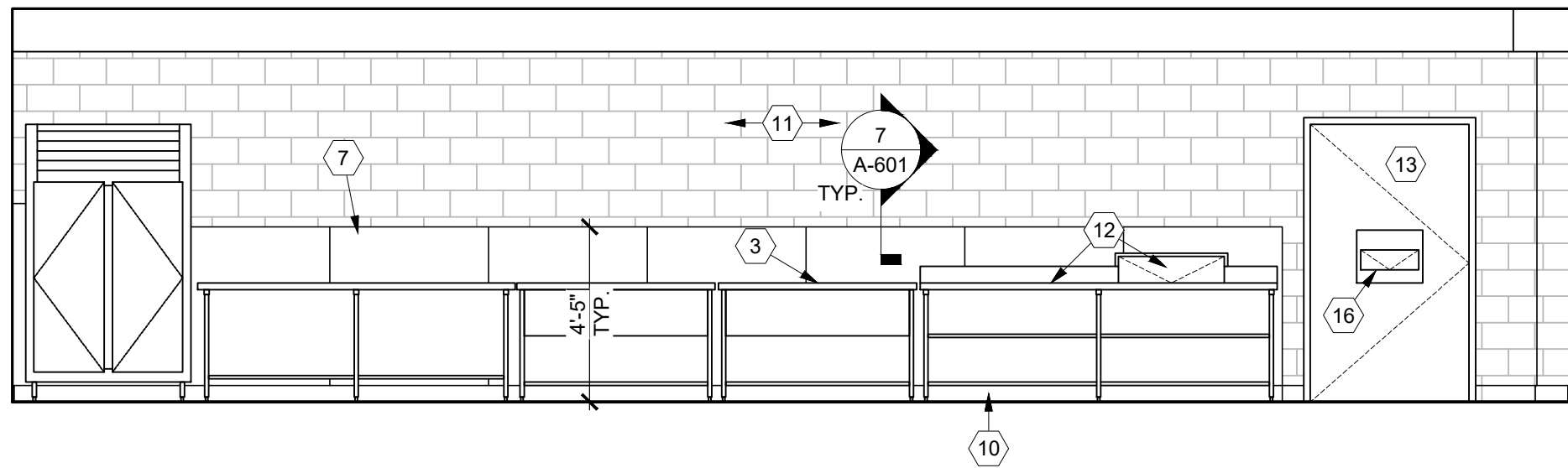
- REPLACE ALL RECEPTACLES AND CONNECTIONS REMOVED FOR ARCHITECTURAL WORK.



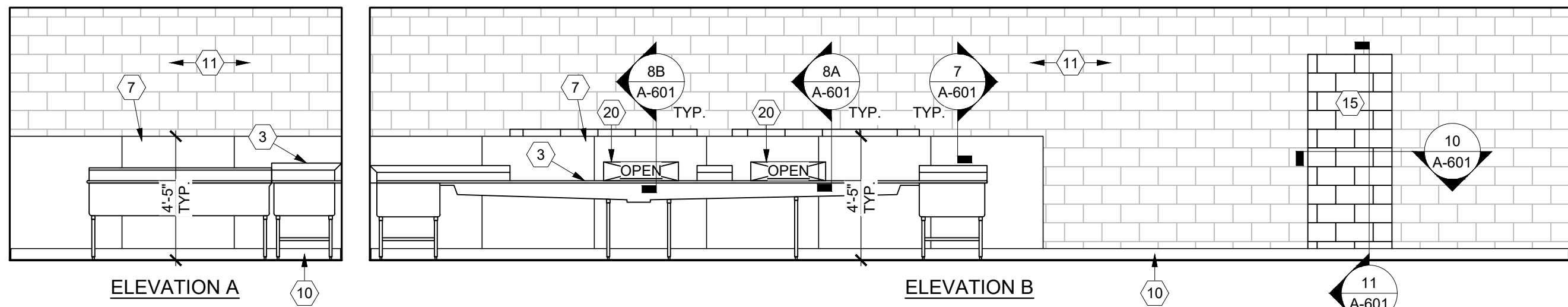
1
A-401
ELEVATION - EXIT CORRIDOR
SCALE: 1/4" = 1'-0"



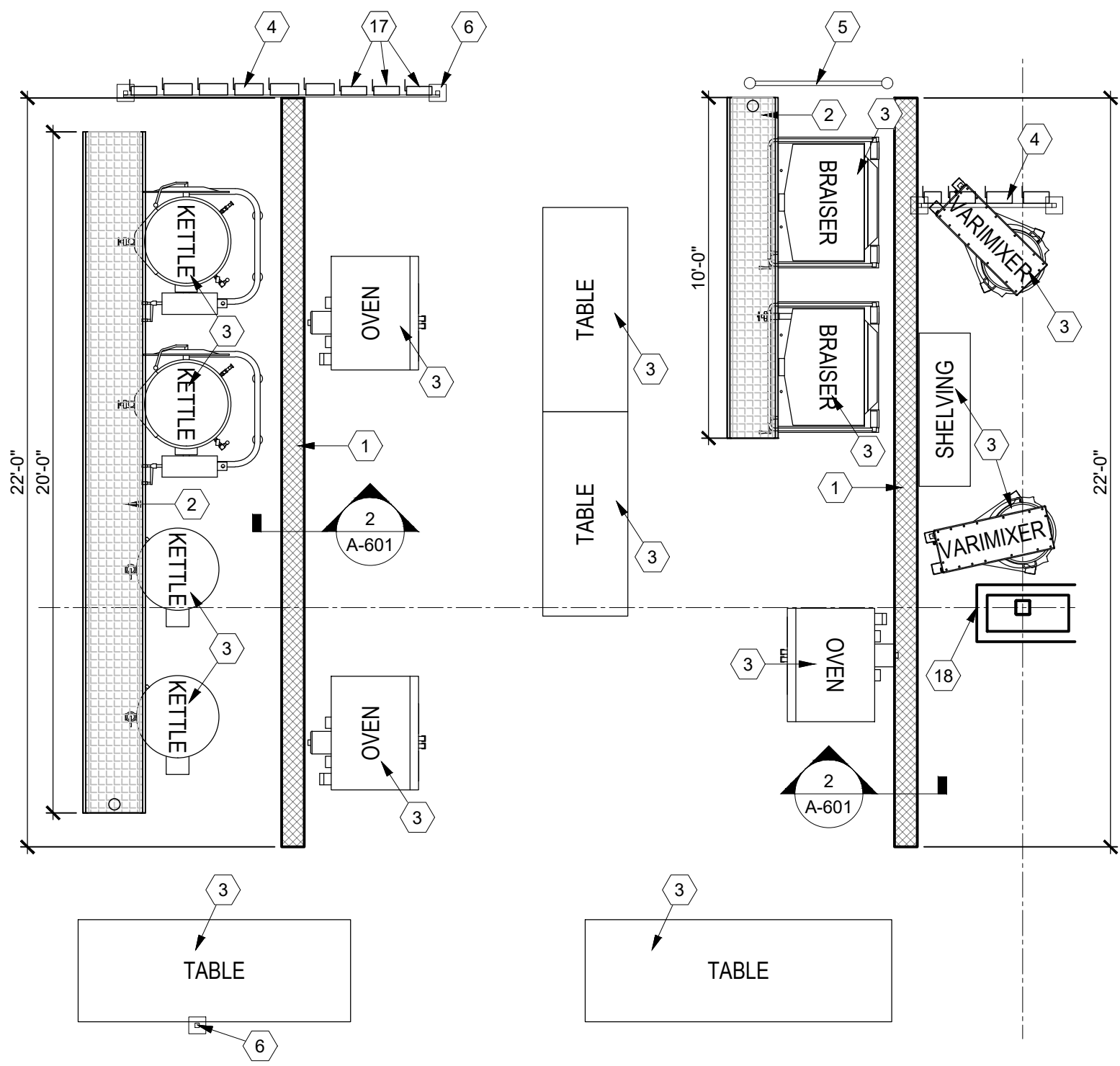
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A-401
ELEVATION - POT WASHING
SCALE: 1/4" = 1'-0"



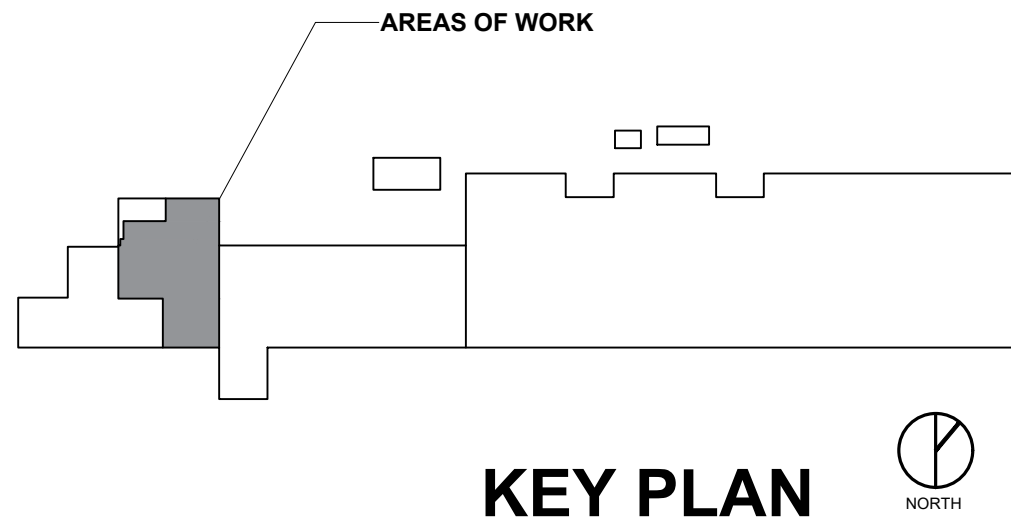
4
A-401
ELEVATION - SERVERY
SCALE: 1/4" = 1'-0"



5
A-401
ELEVATION - DISHWASHING
SCALE: 1/4" = 1'-0"



3
A-401
ENLARGED FLOOR PLAN
SCALE: 1/4" = 1'-0"



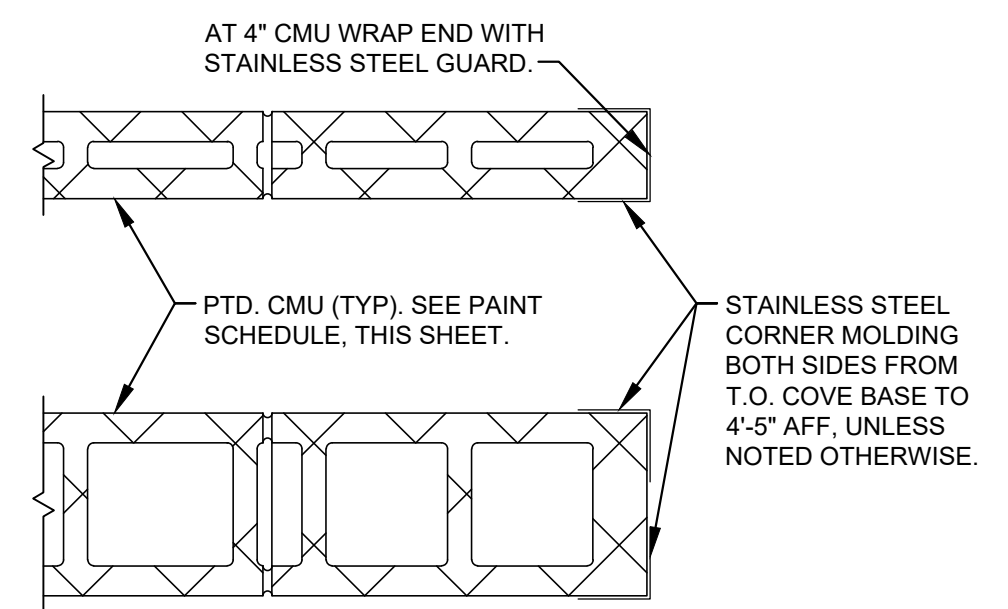
KEY PLAN



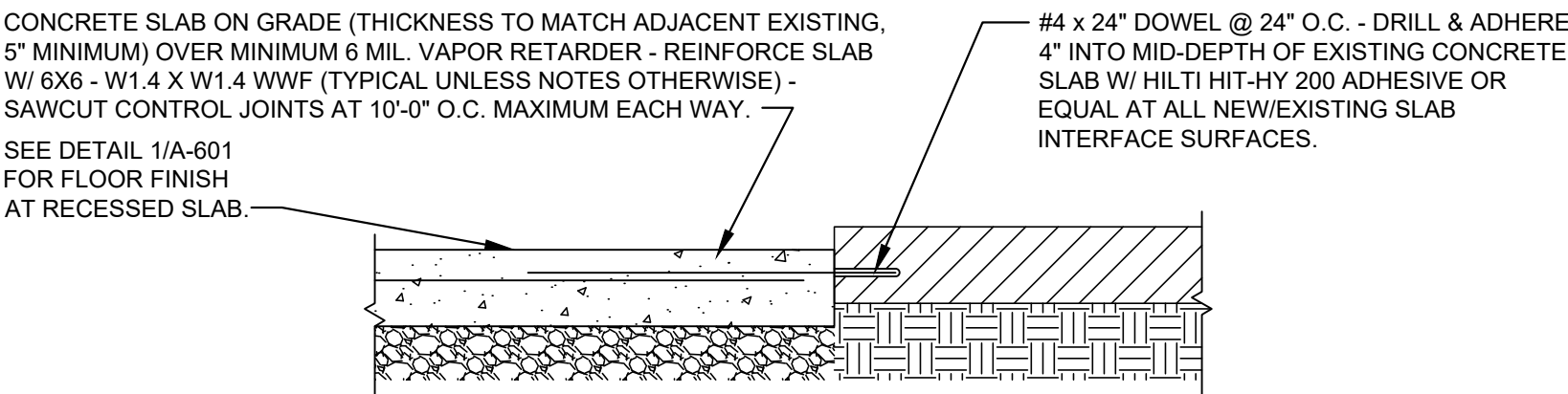
DOOR SCHEDULE											
DOOR NUMBER	LOCATION	DOOR					FRAME				HARDWARE SET
		MATERIAL	FINISH	NOMINAL SIZE			MATERIAL	HEAD	JAMB	SILL	
				WIDTH	HEIGHT	THICKNESS					
102	EXIT CORRIDOR	HOLLOW METAL	PTD.	6'-0"	7'-0"	1-3/4"	HOLLOW METAL	13/A-601	11/A-601	---	2
105	SERVERY	HOLLOW METAL	PTD.	3'-0"	7'-0"	1-3/4"	HOLLOW METAL	12/A-601	11/A-601	---	1
<u>NOTES:</u>											
1. DOOR HARDWARE SCHEDULE IS LOCATED IN SPECIFICATION SECTION 087100.											
2. PAINT ALL EXPOSED METAL, UNLESS NOTED OTHERWISE.											
3. G.C. AND DOOR SUPPLIER SHALL FIELD VERIFY EXISTING OPENINGS PRIOR TO PREPARING AND SUBMITTING DOOR SUBMITTALS FOR REVIEW.											

ROOM FINISH SCHEDULE					
ROOM NUMBER	ROOM NAME	CEILING FINISH	WALL FINISH	FLOOR FINISH	BASE FINISH
101	DINING	EXPOSED	PT-1	CN-2 / T-1	CB-1
102	EXIT CORRIDOR	ACT	PT-1 / SS-1	CN-1	---
103	DISH WASHING	GWB	PT-1 / SS-1	T-1	CB-1
104	ENTRY CORRIDOR	ACT	---	CN-2	---
105	SERVERY	ACT	PT-1 / SS-1	T-1	CB-1
106	FOOD PREP	ACT	PT-1	T-1	CB-1
107	POT WASHING	EXPOSED	PT-1 / SS-1	T-1	CB-1
108	ELECTRICAL ROOM	EXPOSED	---	---	---
NOTES: 1. REFER TO FINISH LEGEND ON SHEET A-105 FOR EXTENT OF FINISHES LISTED ON SCHEDULE. 2. QUARRY TILE GROUT JOINT TO BE INSTALLED LEVEL WITH TOP OF TILE - DO NOT INSTALL CONCAVE GROUT JOINT. 3. FLOOR TILES ON MUD BED IN DEPRESSED CONCRETE SLAB SHALL SLOPE A MIN. OF 1/8" PER 1'-0" TO FLOOR DRAIN @ 18" MIN. FROM ALL SIDES OF TRENCH DRAINS AND 24" RADIUS FROM FLOOR DRAINS. 4. ALL CEILING FINISHES ARE INTENDED TO BE EXISTING TO REMAIN.					

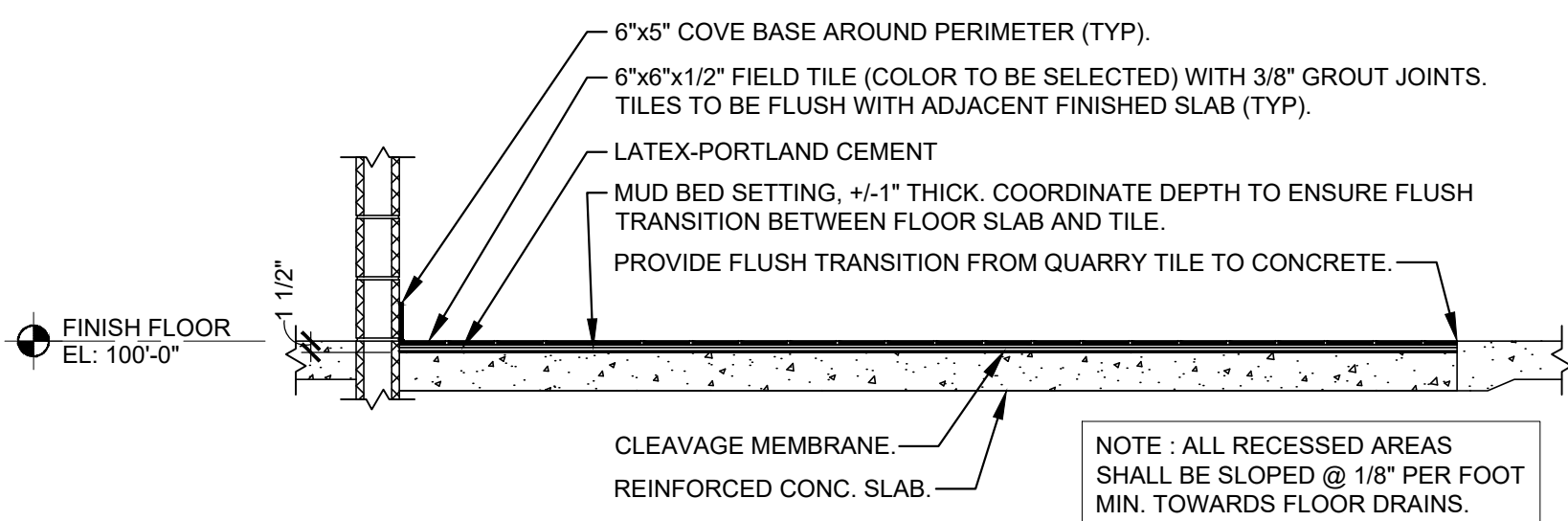
EQUIPMENT SCHEDULE				
ITEM	DESCRIPTION	MANUFACTURER	MODEL NUMBER	NOTES
T1	WORK TABLE W/ SINK	REGENCY	600STCB3096L	30"x96" WORK TABLE W/ INTEGRATED SINK
T2	PREP TABLE	REGENCY	600T3072G	30"x72" PREP TABLE
NOTES: 1. ALL EQUIPMENT LISTED ABOVE IS A BASIS OF DESIGN AND IS NOT INTENDED TO BE THE SOLE EQUIPMENT USED FOR THE PROJECT. 2. CONTRACTOR SHALL REFER TO SPECIFICATIONS FOR A LIST OF MANUFACTURERS.				



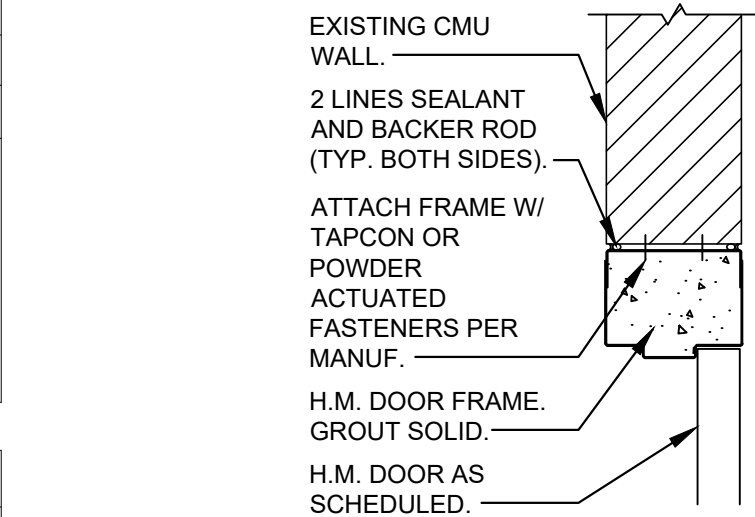
6 CORNER GUARD DETAIL
A-601 SCALE: 1'-1/2" = 1'-0"



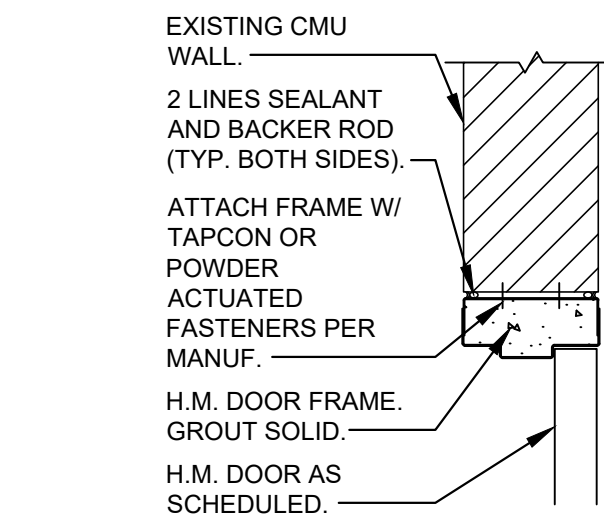
4 TYPICAL SLAB INFILL DETAIL
A-601 SCALE: 1" = 1'-0"



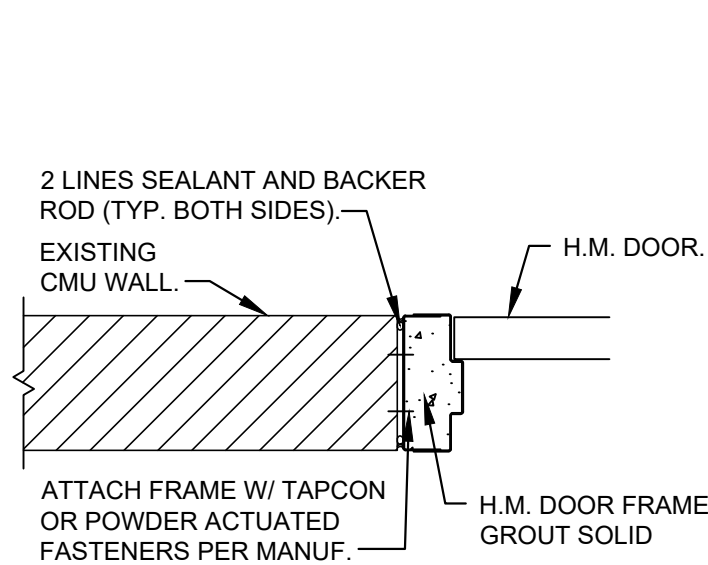
1 FLOOR TILE @ KITCHEN (TYP.)
A-601 SCALE: 1/2" = 1'-0"



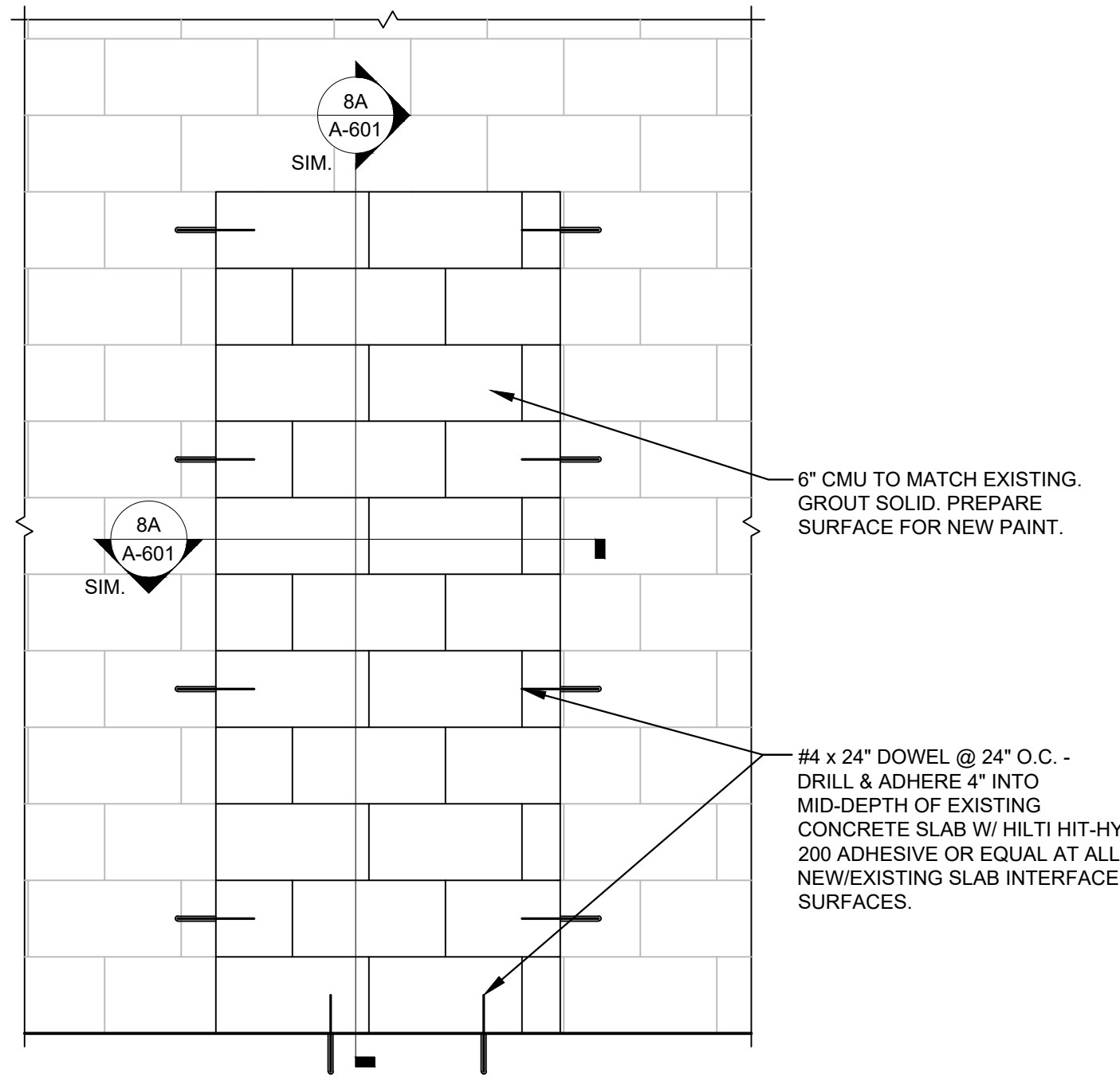
13 HEAD DETAIL
A-601 SCALE: 1 1/2" = 1'-0"



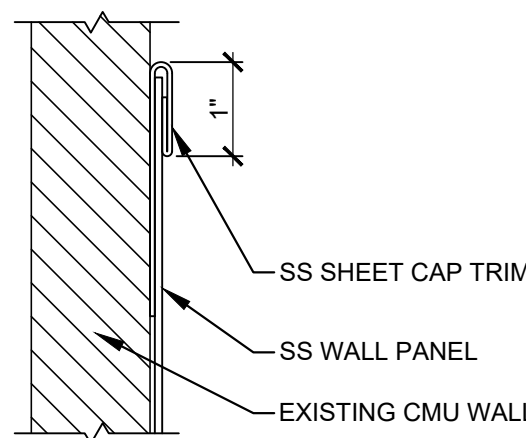
12 HEAD DETAIL
A-601 SCALE: 1 1/2" = 1'-0"



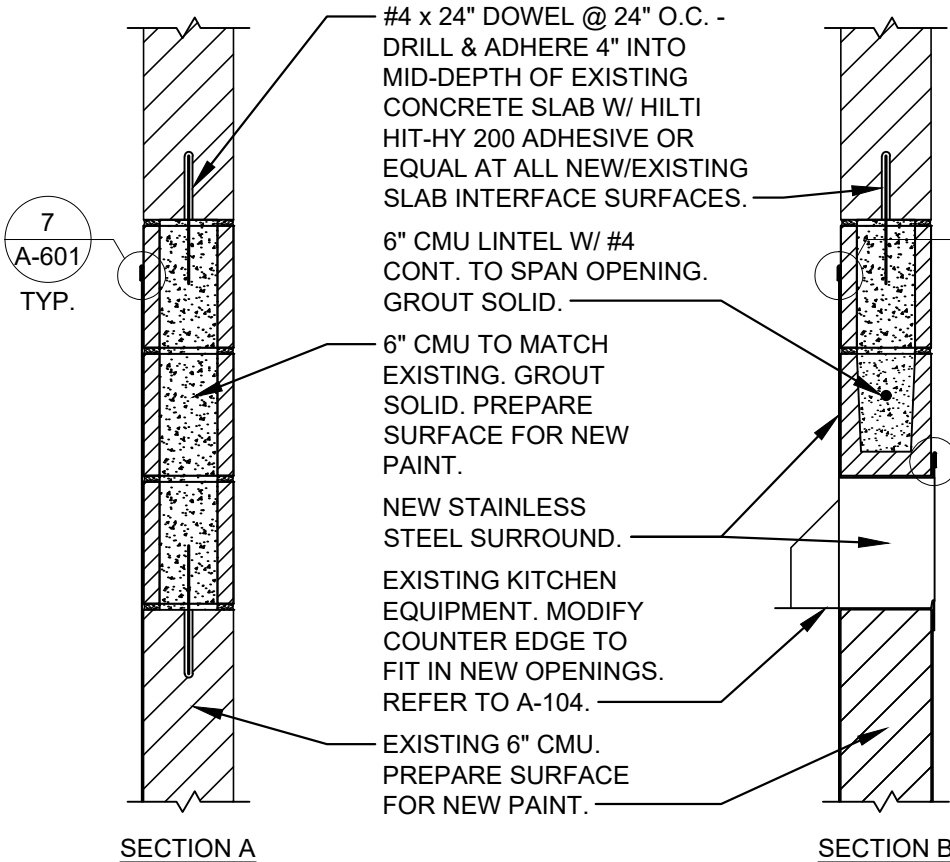
11 JAMB DETAIL
A-601 SCALE: 1 1/2" = 1'-0"



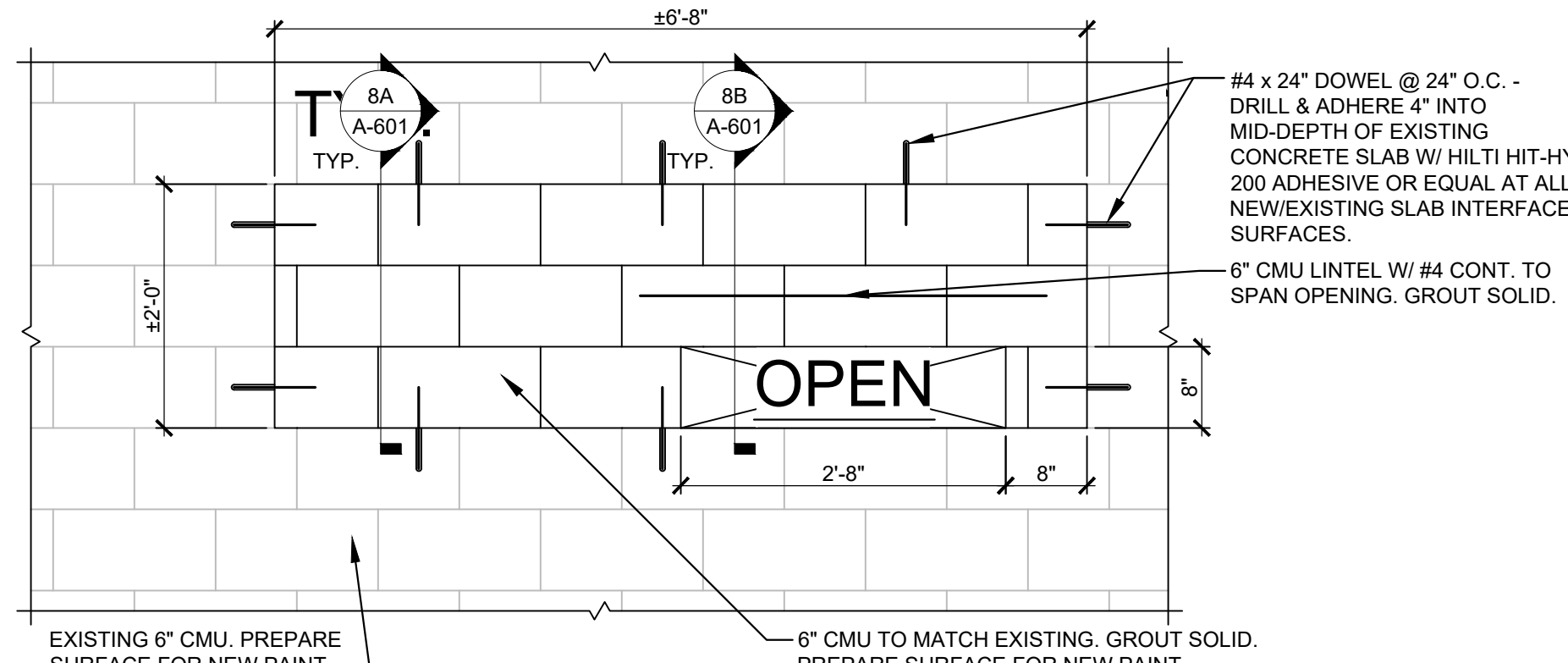
10 ELEVATION - CMU INFILL
A-601 SCALE: 3/4" = 1'-0"



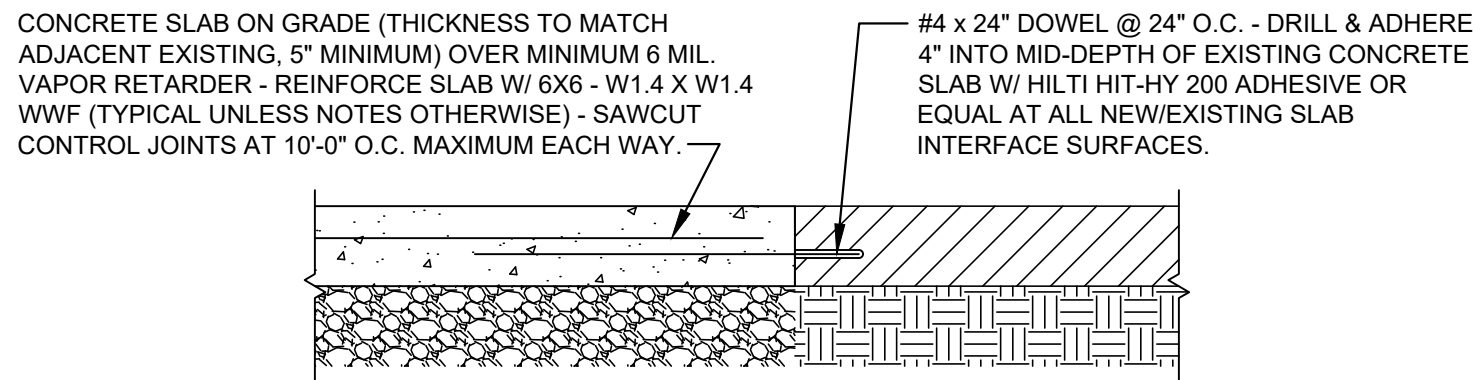
7 SS PANEL TRIM DETAIL
A401 SCALE: 6" = 1'-0"



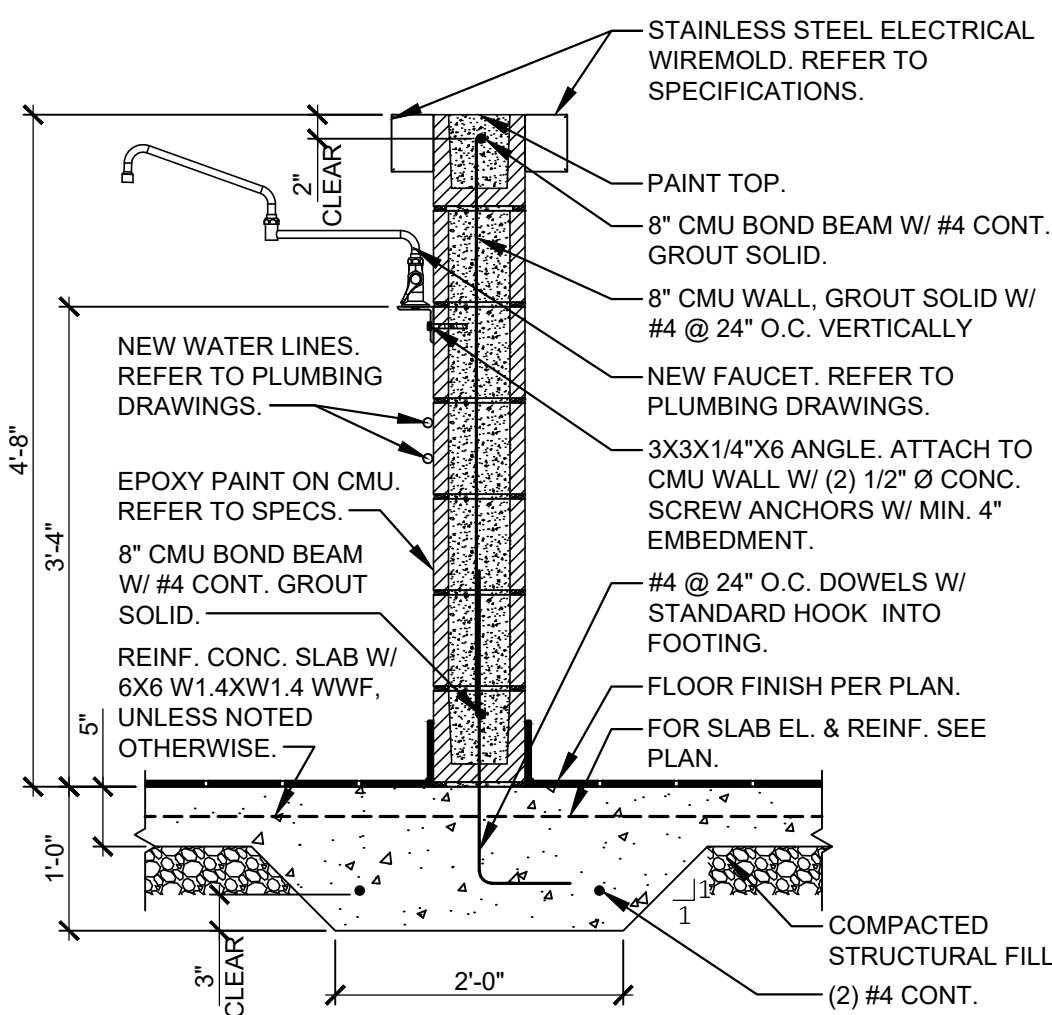
8 SECTION - WALL INFILL
A-601 SCALE: 1" = 1'-0"



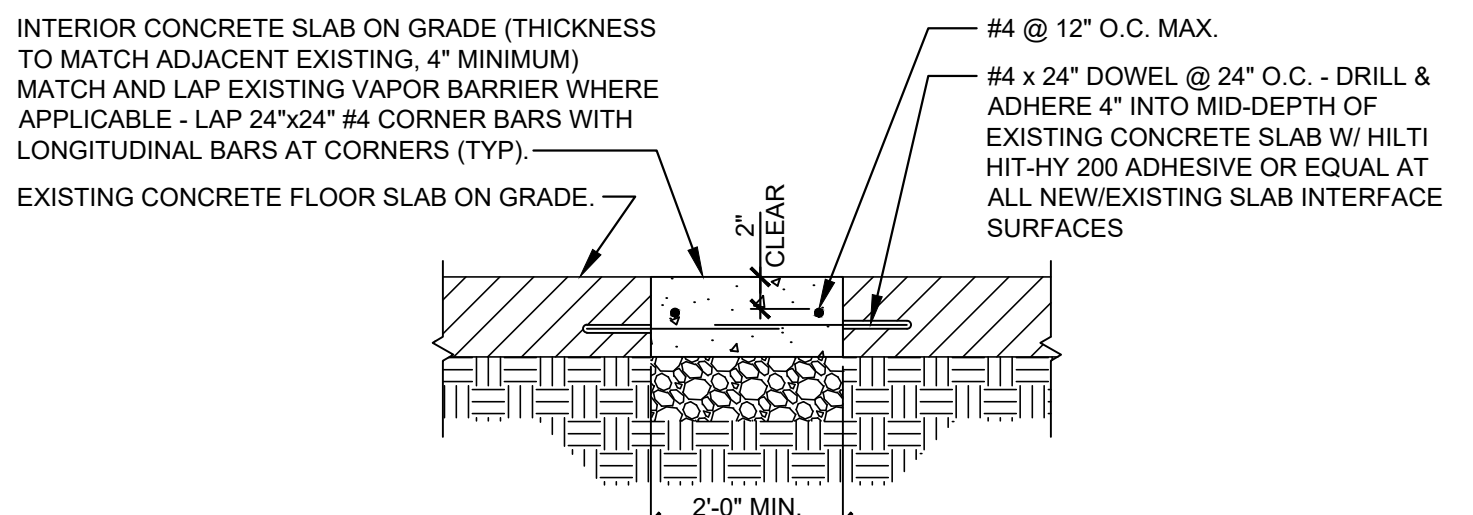
9 ELEVATION - CMU INFILL
A-601 SCALE: 3/4" = 1'-0"



5 TYPICAL SLAB INFILL DETAIL
A-601 SCALE: 1" = 1'-0"



2 SECTION - CMU WALL
A-601 SCALE: 3/4" = 1'-0"



3 TYPICAL TRENCH SLAB INFILL DETAIL
A-601 SCALE: 1" = 1'-0"

SEISMIC LOADS	
1. SEISMIC IMPORTANCE FACTOR, I	= 1.25
2. RISK CATEGORY	= III
3. MAPPED SPECTRAL RESPONSE ACCELERATIONS:	
S _s	= 0.56g
S ₁	= 0.17g
4. SITE CLASS	= D
5. SPECTRAL RESPONSE COEFFICIENTS:	
SDS	= 0.41
SD1	= 0.24
6. SEISMIC DESIGN CATEGORY	= D

GENERAL STRUCTURAL NOTES	
1.	CONCRETE MATERIALS AND PLACEMENT SHALL COMPLY WITH ACI 301-20 (SPECIFICATIONS FOR CONCRETE CONSTRUCTION). CONCRETE SHALL BE A MINIMUM OF 3000 PSI.
2.	CONCRETE REINFORCING SHALL CONFORM TO ASTM A615 GRADE 60.
3.	CHAIR REINFORCING TO INDICATED HEIGHT.
4.	GENERAL CONTRACTOR SHALL FIELD VERIFY INTERIOR CONCRETE SLAB ON GRADE CONSTRUCTION. CONTACT P.O.R. IF STRUCTURAL SLAB IS PRESENT BEFORE CUTTING INTO SLAB.
5.	SEE SUBGRADE PREPARATION NOTES, THIS SHEET, FOR SUBGRADE PREPARATION REQUIREMENTS.

SUBGRADE PREPARATION NOTE	
ALL EXPOSED AND/OR DISTURBED GRANULAR BASE AREAS SHALL BE COMPACTED TO A MINIMUM OF 95% OF OPTIMUM DENSITY IN ACCORDANCE W/ ASTM D 1557 AT OPTIMUM MOISTURE CONTENT AND TO A MINIMUM DEPTH OF 8" - ALL SUBGRADE SOIL AREAS EXPOSED BY EXCAVATIONS AND GRADING SHALL BE COMPACTED TO A MINIMUM OF 95% OF OPTIMUM DENSITY IN ACCORDANCE W/ ASTM D 1557 AT OPTIMUM MOISTURE CONTENT AND TO A MINIMUM DEPTH OF 12" - FILL WHERE REQUIRED SHALL BE PLACED IN LIFTS NOT TO EXCEED 8" LOOSE MEASURE AND SHALL BE COMPACTED AS OUTLINED ABOVE - THE ON SITE TESTING COMPANY SHALL PROVIDE TESTING AND INSPECTION OF THE SOIL WORK PRIOR TO PLACING CONCRETE.	

STATE OF MISSOURI
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PREPARATION AREA,
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CORRECTIONAL CENTER
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PROJECT # C2509-01
SITE # 7007
FACILITY# 9327007014

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ISSUE DATE: 11/13/2025

CAD DWG FILE:
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CHECKED BY: MSS
DESIGNED BY:DRB

SHEET TITLE:

SCHEDULES &
DETAILS

SHEET NUMBER:

A-601
10 OF 20 SHEETS
11/13/2025

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PLUMBING SCHEDULE*:						
TAG	MAKE/MODEL	DRAIN	VENT	CW	HW	NOTES:
TD-1	TRENCH DRAIN DURATRENCH STSG-INTEGRAL	4"	2"	---	---	18-IN WIDE, T304 STAINLESS STEEL TRENCH DRAIN WITH VEE BOTTOM PROFILE AND BOTTOM OUTLET. LENGTH AS INDICATED ON PLANS. PROVIDE WITH HIGH LOAD CAPACITY FIBERGLASS MESH GRATE, SIZED TO MATCH TRENCH DRAIN DIMENSIONS. PROVIDE WITH STAINLESS STEEL VANDAL PROOF GRATE LOCKING SYSTEM, OR ANOTHER MANUFACTURER APPROVED LOCKING SYSTEM, APPLICABLE TO THIS GRATE AND TRENCH DRAIN COMBINATION.
TD-2	TRENCH DRAIN DURATRENCH STSG-INTEGRAL	4"	2"	---	---	12-IN WIDE, T304 STAINLESS STEEL TRENCH DRAIN WITH VEE BOTTOM PROFILE AND BOTTOM OUTLET. LENGTH AS INDICATED ON PLANS. PROVIDE WITH HIGH LOAD CAPACITY FIBERGLASS MESH GRATE, SIZED TO MATCH TRENCH DRAIN DIMENSIONS. PROVIDE WITH STAINLESS STEEL VANDAL PROOF GRATE LOCKING SYSTEM, OR ANOTHER MANUFACTURER APPROVED LOCKING SYSTEM, APPLICABLE TO THIS GRATE AND TRENCH DRAIN COMBINATION.
FS-1	FLOOR SINK JAY R. SMITH 3161	4"	2"	---	---	12-1/2" SQUARE, 10-IN DEEP. PROVIDE WITH SEDIMENT BUCKET, NICKEL BRONZE RIM AND 3/4 GRATE. PROVIDE WITH VANDAL PROOF SCREWS.
FS-2	FLOOR SINK JAY R. SMITH 3161	4"	2"	---	---	12-1/2" SQUARE, 10-IN DEEP. PROVIDE WITH SEDIMENT BUCKET, NICKEL BRONZE RIM AND FULL GRATE. PROVIDE WITH VANDAL PROOF SCREWS.
FS-3	FLOOR SINK ZURN ZN1960	3"	2"	---	---	6-IN DEEP, CAST IRON BODY, WHITE A.R.E INTERIOR, 8-1/2" ROUND NICKEL BRONZE FRAME WITH FULL GRATE. PROVIDE WITH WHITE A.R.C. BUCKET AND VANDAL PROOF SCREWS.
FD-1	FLOOR DRAIN JAY R. SMITH 2340	4"	2"	---	---	CAST IRON BODY AND FLASHING COLLAR WITH ADJUSTABLE 12-IN ROUND TOP. PROVIDE WITH DUCTILE IRON, VANDAL PROOF GRATE, NICKEL BRONZE TOP AND SEDIMENT BUCKET. PROVIDE WITH JAY R. SMITH 2692 "QUAD CLOSE" TRAP SEAL.
FCO-1	FLOOR CLEANOUT JAY R. SMITH 4100	SEE PLAN	---	---	---	SIZE TO MATCH DRAIN SIZE SERVED. PROVIDE WITH FLASHING FLANGE AND VANDAL PROOF TOP.
MS-1	MOP SERVICE BASIN FIAT MSB2424	3"	2"	---	---	24"x24"x10", MOLDED STONE WITH STAINLESS STEEL DRAIN. PROVIDE T & S BRASS #B-0665-CR-BSTR SERVICE SINK FAUCET WITH INTEGRAL VACUUM BREAKER, CHECK VALVES AND SERVICE STOPS.
PF-1	SWIVEL SINK/ PANTRY FAUCET T&S BRASS B-0319	---	---	1/2"	1/2"	SINGLE HOLE SINGLE TEMPERATURE DECK MOUNT FAUCET WITH POLISHED CHROME PLATED BRASS BODY, 24" DOUBLE JOINT SWING NOZZLE WITH STREAM REGULATOR OUTLET, COMPRESSION CARTRIDGES WITH SPRING CHECKS, LEVER HANDLE AND 1/2" NPSM MALE INLET. ASME A112.18.1, NSF 61, NSF 372 AND ADA ANSI A117.1 COMPLIANT

*MAKE/MODEL SHOWN ABOVE IS BASIS OF DESIGN. REFERENCE SPECIFICATIONS FOR PRODUCT/EQUIPMENT REQUIREMENTS, IF EQUIVALENT MAKE/MODEL IS SUBMITTED.

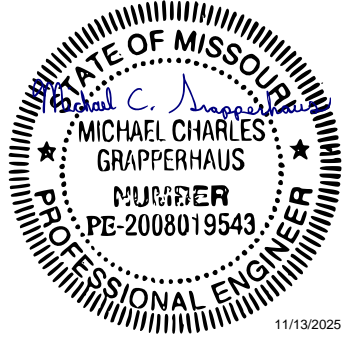
PLUMBING LEGEND:	
	BOLD SOLID LINE INDICATES NEW UNDERGROUND PIPING. FADED HIDDEN LINE INDICATES EXISTING UNDERGROUND PIPING TO REMAIN OR BE DEMOLISHED. SEE PLAN FOR ADDITIONAL INFORMATION.
	SANITARY WASTE PIPING, S
	GREASE WASTE PIPING, GW
	VENT PIPING, V
	COLD WATER PIPING, CW
	HOT WATER PIPING, HW
	SHUT-OFF BALL VALVE
	VENT THRU ROOF
	PLUMBING CONTRACTOR
	FINISHED FLOOR ELEVATION
	VERIFY IN FIELD
	FLOOR/GRADE CLEANOUT (FCO, GCO)
	CONNECTION BETWEEN EXISTING AND NEW

NOTE TO CONTRACTOR:

ALL EQUIPMENT/FIXTURES SHALL BE PROVIDED BY PLUMBING CONTRACTOR, AS SHOWN ON THE DRAWINGS AND LISTED IN THE PLUMBING SPECIFICATIONS, UNLESS NOTED OTHERWISE.

GENERAL NOTES:
1. THESE DRAWINGS ARE DIAGRAMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT A COMPLETE PLUMBING SYSTEM BE PROVIDED WITH ALL NECESSARY EQUIPMENT, APPURTENANCES AND CONTROLS COMPLETELY COORDINATED WITH ALL DISCIPLINES. ALL PARAMETERS GIVEN IN THESE DOCUMENTS SHALL BE STRICTLY CONFORMED TO. ANY ITEMS AND LABOR REQUIRED FOR A COMPLETE PLUMBING SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS, LOCAL AUTHORITIES AND THESE CONTRACT DOCUMENTS SHALL BE FURNISHED WITHOUT INCURRING ANY ADDITIONAL COST TO THE OWNER. THE WORD "PROVIDE" SHALL MEAN FURNISH AND INSTALL. CAREFULLY REVIEW ALL CONTRACT DOCUMENTS AND THE DESIGN OF OTHER TRADES BEFORE PREPARING SHOP DRAWINGS.
2. ANY CONFLICTS OF WORK SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION BY THE PLUMBING CONTRACTOR PRIOR TO PURCHASE OF EQUIPMENT OR COMMENCEMENT OF WORK.
3. COORDINATE ALL PLUMBING WORK WITH ALL OTHER TRADES. PIPE ROUTING SHOWN IS DIAGRAMMATIC. PROVIDE ALL OFFSETS, ETC. TO AVOID INTERFERENCE'S WITH EQUIPMENT, PIPING, DUCT WORK, LIGHTS, CONDUIT, STRUCTURAL MEMBERS, ETC. ALL INVERTS SHALL BE VERIFIED IMMEDIATELY FOLLOWING AWARD OF CONTRACT.
4. COORDINATE ALL FLOOR PENETRATIONS WITH CONTRACT DOCUMENTS. SET SLEEVES IN FLOORS AND WALLS AND ATTACHMENTS FOR HANGERS AS CONSTRUCTION PROGRESSES. COORDINATE THE EXACT SIZE AND LOCATION OF ALL SLEEVES PER FIELD CONDITIONS.
5. PROVIDE LOCKABLE, VANDAL PROOF ACCESS PANELS FOR VALVES. EXACT LOCATION MUST BE COORDINATED WITH ARCHITECTURAL DRAWINGS AND APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
6. ALL DRAINAGE PIPING AND POTABLE WATER PIPING SHALL BE CONCEALED INSIDE WALLS AND PIPE CHASES OR ABOVE CEILINGS AS HIGH AS POSSIBLE, UNLESS OTHERWISE NOTED .
7. ALL SANITARY WASTE PIPING SHALL SLOPE AT 1/8 INCH PER FOOT, UNLESS OTHERWISE NOTED, OR REQUIRED BY CODE.
8. COORDINATE ALL UNDERGROUND PIPING WITH VENT PIPING, GRADE BEAMS, WALL FOOTINGS, COLUMN FOUNDATIONS AND OTHER STRUCTURAL CONDITIONS.
9. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR LOCATION OF ALL PLUMBING FIXTURES. EXACT LOCATION OF ALL PLUMBING FIXTURES MUST BE VERIFIED IN FIELD PRIOR TO REMOVAL AND RE-INSTALLATION. FINAL LOCATION SHALL BE AS DIRECTED BY ARCHITECT.
10. PLUMBING CONTRACTOR SHALL MAKE FINAL CONNECTION TO ALL EQUIPMENT INDICATED ON DRAWINGS. FINAL CONNECTION SHALL INCLUDE ANY ADAPTERS, NIPPLES, SHUTOFF VALVES, PRESSURE REGULATING VALVES, SHOCK ABSORBERS, BACKFLOW PREVENTION DEVICES, ETC.
11. PROVIDE TRAP PROTECTION ON ALL FLOOR DRAINS.
12. COORDINATE ALL FLOOR SINK GRATE ORIENTATIONS AND REQUIRED OPEN SPACES.
13. THE USE OF RISER CLAMPS TO SUPPORT VERTICAL PIPE ALONG WALLS, OR COLUMNS IS PROHIBITED. PROVIDE COPPER PIPE CLAMPS ON 8'-0" CENTERS & SUPPORT ALL PIPE RISES AT BASE OF RISER.
14. INDIRECT WASTE RECEPTORS MUST BE LOCATED WHERE READILY ACCESSIBLE FOR INSPECTION AND CLEANING.
15. ALL INDIRECT WASTE PIPING SHALL DISCHARGE THROUGH AN AIR GAP OR AIR BREAK INTO A WASTE RECEPTOR. ALL INDIRECT WASTE PIPING THAT EXCEEDS TWO (2) FEET IN DEVELOPED LENGTH MEASURED HORIZONTALLY OR FOUR (4) FEET IN TOTAL DEVELOPED LENGTH, SHALL BE TRAPPED.
16. CONTRACTOR SHALL HANG ALL PIPING FROM THE STRUCTURAL MEMBERS (W-SHAPES, BAR JOISTS). PIPING SHALL NOT BE SUPPORTED FROM THE METAL DECK.
17. PROVIDE ESCUTCHEON PLATES ON ALL PIPE PENETRATIONS THRU CEILINGS.
18. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL MANUFACTURER LEAD TIMES AT TIME OF BID AWARDING. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, AND ORDER EQUIPMENT/FIXTURES AS SHOP DRAWINGS ARE APPROVED, TO AVOID DELAYS. EQUIVALENT SUBMITTALS WILL <u>NOT</u> BE REVIEWED AFTER SHOP DRAWING APPROVAL.

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



MICHAEL C. GRAPPERHAUS
License Number: PE-2008019543
Expiration Date: 12/31/26

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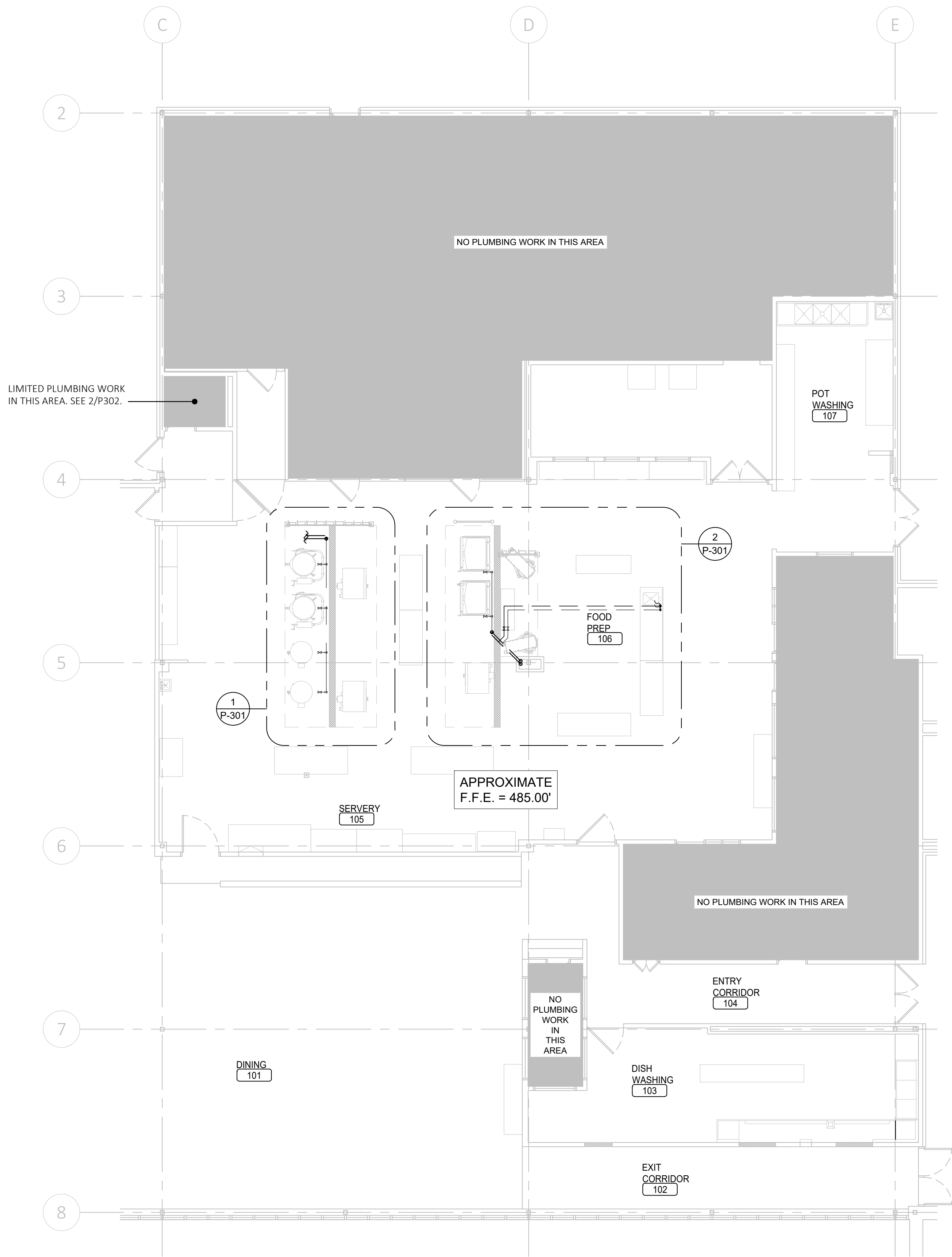
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SITE # 7007
FACILITY# 9327007014

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CHECKED BY: MCG
DESIGNED BY:VVS

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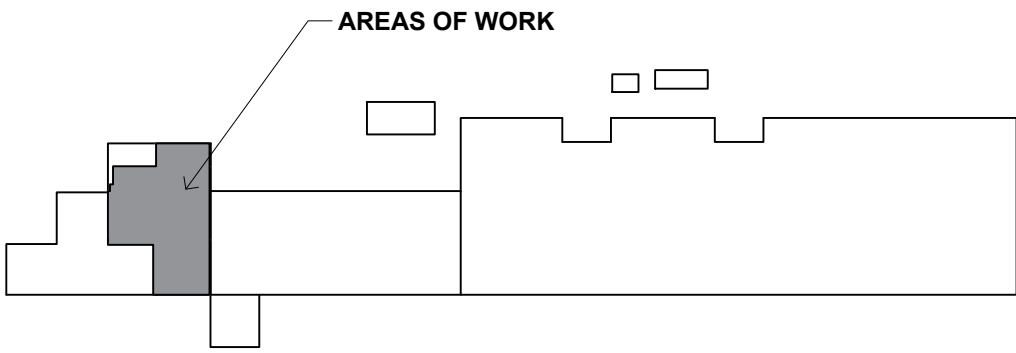
PLUMBING SCHEDULES,
NOTES & LEGENDS



1
P-101 PLUMBING DOMESTIC WATER OVERALL FLOOR PLAN
SCALE: 1/8" = 1'-0" NORTH

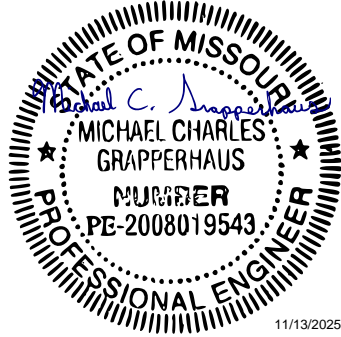
GENERAL NOTES:

1. ALL EQUIPMENT/FIXTURES SHALL BE PROVIDED BY PLUMBING CONTRACTOR, AS SHOWN ON THE DRAWINGS AND LISTED IN THE PLUMBING SPECIFICATIONS, UNLESS NOTED OTHERWISE.
2. DOMESTIC HOT AND COLD WATER PIPING SHALL BE INSTALLED SURFACE-MOUNTED ON THE NEW CMU PARTIAL-HEIGHT WALL UNDER KITCHEN HOODS. REFERENCE PLUMBING ENLARGED PLANS AND ARCHITECTURAL FOR FURTHER INFORMATION.
3. ROUTE PIPING IN STRAIGHT, CLEAN RUNS; PROVIDE SUPPORTS PER CODE AND MANUFACTURER'S REQUIREMENTS.
4. PROVIDE FINAL WATER CONNECTIONS TO ALL KITCHEN EQUIPMENT AND PLUMBING FIXTURES.
5. COORDINATE EXACT LOCATIONS AND CONNECTION SIZES WITH THE FOOD SERVICE EQUIPMENT PRIOR TO DISCONNECT AND REMOVAL.
6. PROVIDE A LOCKING SHUTOFF VALVE ON THE SUPPLY LINE TO EACH PIECE OF KITCHEN EQUIPMENT, SINK, AND FAUCET. VALVES SHALL BE ACCESSIBLE AND LABELED FOR IDENTIFICATION.
7. ALL DOMESTIC HOT WATER PIPING SHALL BE INSULATED PER ENERGY CODE REQUIREMENTS. PROTECT EXPOSED PIPING WITH ESCUTCHEONS, SLEEVES, OR GUARDS WHERE SUBJECT TO DAMAGE.
8. COORDINATE ROUTING WITH ELECTRICAL TO AVOID CONFLICTS. VERIFY FINAL EQUIPMENT LOCATIONS PRIOR TO MAKING PIPE PENETRATIONS OR FINAL CONNECTIONS.
9. DOMESTIC WATER PIPING SHALL BE TESTED FOR LEAKS AND INSPECTED PER LOCAL PLUMBING CODE BEFORE BEING PLACED INTO SERVICE.
10. EXPOSED PIPING SHALL BE LABELED PER ANSI/ASME A13.1 STANDARDS, INDICATING SERVICE (HOT OR COLD) AT REGULAR INTERVALS AND AT ALL CHANGES IN DIRECTION.
11. SEE ENLARGED PLAN SHEETS AND DETAILS FOR PIPE ELEVATIONS, VALVE LOCATIONS, AND SPECIFIC EQUIPMENT CONNECTIONS.



KEY PLAN NORTH

STATE OF MISSOURI
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PROJECT # C2509-01
SITE # 7007
FACILITY# 9327007014

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CAD DWG FILE: _____
DRAWN BY: VVS
CHECKED BY: MCG
DESIGNED BY: VVS

SHEET TITLE:

PLUMBING DOMESTIC
WATER OVERALL
FLOOR PLAN

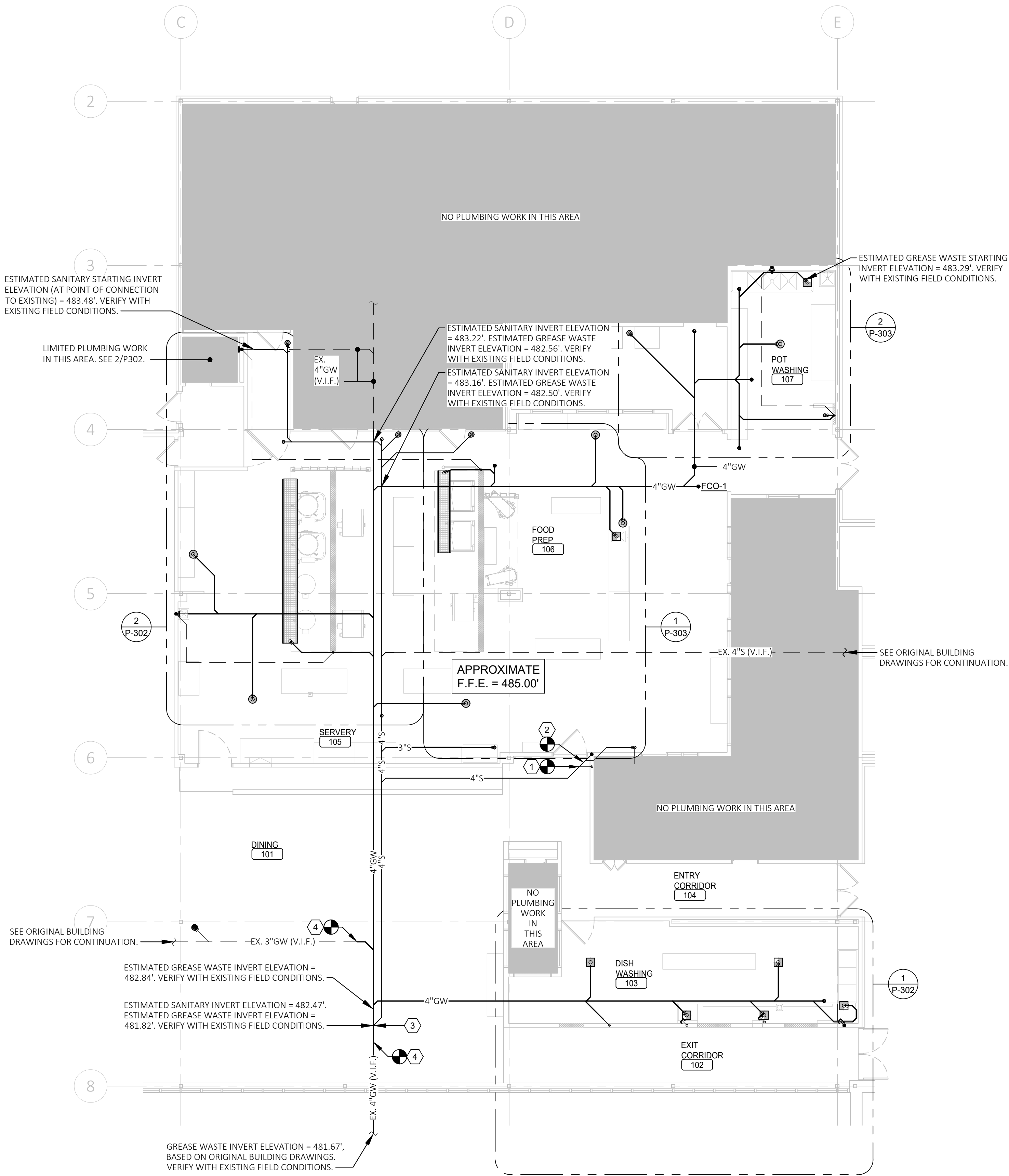
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P-101

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1
P-102

PLUMBING WASTE AND VENT OVERALL FLOOR PLAN

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

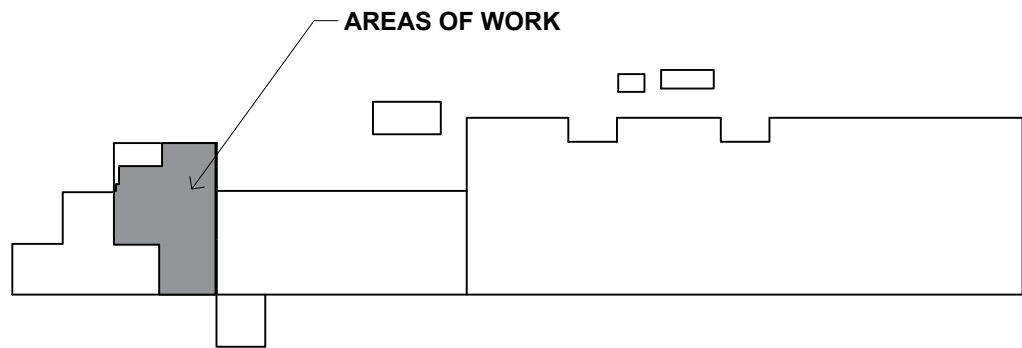
NORTH

GENERAL NOTES:

- ALL EQUIPMENT/FIXTURES SHALL BE PROVIDED BY PLUMBING CONTRACTOR, AS SHOWN ON THE DRAWINGS AND LISTED IN THE PLUMBING SPECIFICATIONS, UNLESS NOTED OTHERWISE.
- ALL GREASE WASTE AND VENT PIPING BELOW SLAB SHALL BE HUB AND SPIGOT CAST IRON, CONFORMING TO ASTM AND CISPI STANDARDS.
- ALL SANITARY WASTE AND VENT PIPING BELOW SLAB SHALL BE SOLID CORE SCHEDULE 40 PVC, CONFORMING TO ASTM STANDARDS.
- TRENCHING THROUGH THE EXISTING KITCHEN SLAB SHALL BE REQUIRED TO INSTALL NEW PIPING. CONTRACTOR SHALL REFERENCE ARCHITECTURAL DRAWINGS FOR TRENCHING LIMITS, SAW-CUTTING, AND SLAB REPAIR DETAILS.
- PROVIDE GRANULAR BEDDING UNDER ALL PIPING PER PROJECT SPECIFICATIONS AND PLUMBING CODE. BACKFILL IN CONTROLLED LIFTS AND COMPACT TO 95% OF MAXIMUM DRY DENSITY (ASTM D698) TO SUPPORT NEW SLAB.
- AFTER PIPING INSTALLATION AND TESTING, INFILL SLAB WITH CONCRETE TO MATCH EXISTING THICKNESS, REINFORCEMENT, AND FINISH. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR SLAB REPAIR REQUIREMENTS AND FLOOR FINISH RESTORATION.
- SANITARY PIPING SHALL BE TESTED WITH A 10-FOOT HEAD OF WATER OR 5 PSI AIR TEST FOR A MINIMUM OF 15 MINUTES, WITNESSED BY OWNER'S REPRESENTATIVE.
- PROVIDE VENT PIPING AND CONNECTIONS TO FIXTURES AS INDICATED ON PLANS; COORDINATE VENT TERMINATIONS. VENT PIPING MATERIAL SHALL MATCH MATERIAL OF ASSOCIATED UNDERSLAB DRAIN LINE.
- COORDINATE TRENCH ROUTING AND PIPE LAYOUT WITH OTHER UTILITIES, EQUIPMENT, AND STRUCTURAL ELEMENTS TO AVOID CONFLICTS.
- VERIFY EXACT FIXTURE AND KITCHEN EQUIPMENT LOCATIONS WITH FACILITY STAFF PRIOR TO ROUGH-IN.
- PROVIDE CODE-REQUIRED CLEANOUTS AT CHANGES OF DIRECTION AND AT INTERVALS PER THE PLUMBING CODE. CLEANOUTS SHALL BE ACCESSIBLE AND FLUSH WITH FINISHED FLOOR OR WALL AS APPLICABLE.
- SEE ENLARGED PLAN SHEETS AND PLUMBING DETAILS FOR EXACT ROUTING, SLOPES, AND FIXTURE CONNECTIONS.

KEYED NOTES:

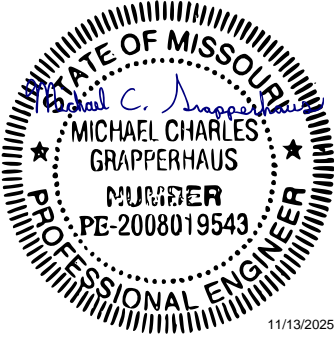
- CONNECT EXISTING RESTROOM DRAIN LINE TO NEW SANITARY DRAIN PIPING. FIELD VERIFY EXACT LOCATION AND EXTENT OF WORK.
- CONNECT EXISTING SANITARY DRAIN LINE TO NEW SANITARY DRAIN PIPING. FIELD VERIFY EXACT LOCATION AND EXTENT OF WORK.
- CONNECT NEW SANITARY LINE TO NEW GREASE DRAIN PIPING. CONNECTION TO BE MADE DOWNSTREAM OF ALL GREASE DRAIN LINE FIXTURE.
- CONNECT NEW DRAIN PIPING TO EXISTING DRAIN LINE, BELOW SLAB. FIELD VERIFY EXACT LOCATION OF EXISTING VENT (WHERE REQUIRED), AND EXTENT OF WORK.



KEY PLAN



STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



MICHAEL C. GRAPPERHAUS
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Expiration Date: 12/31/26

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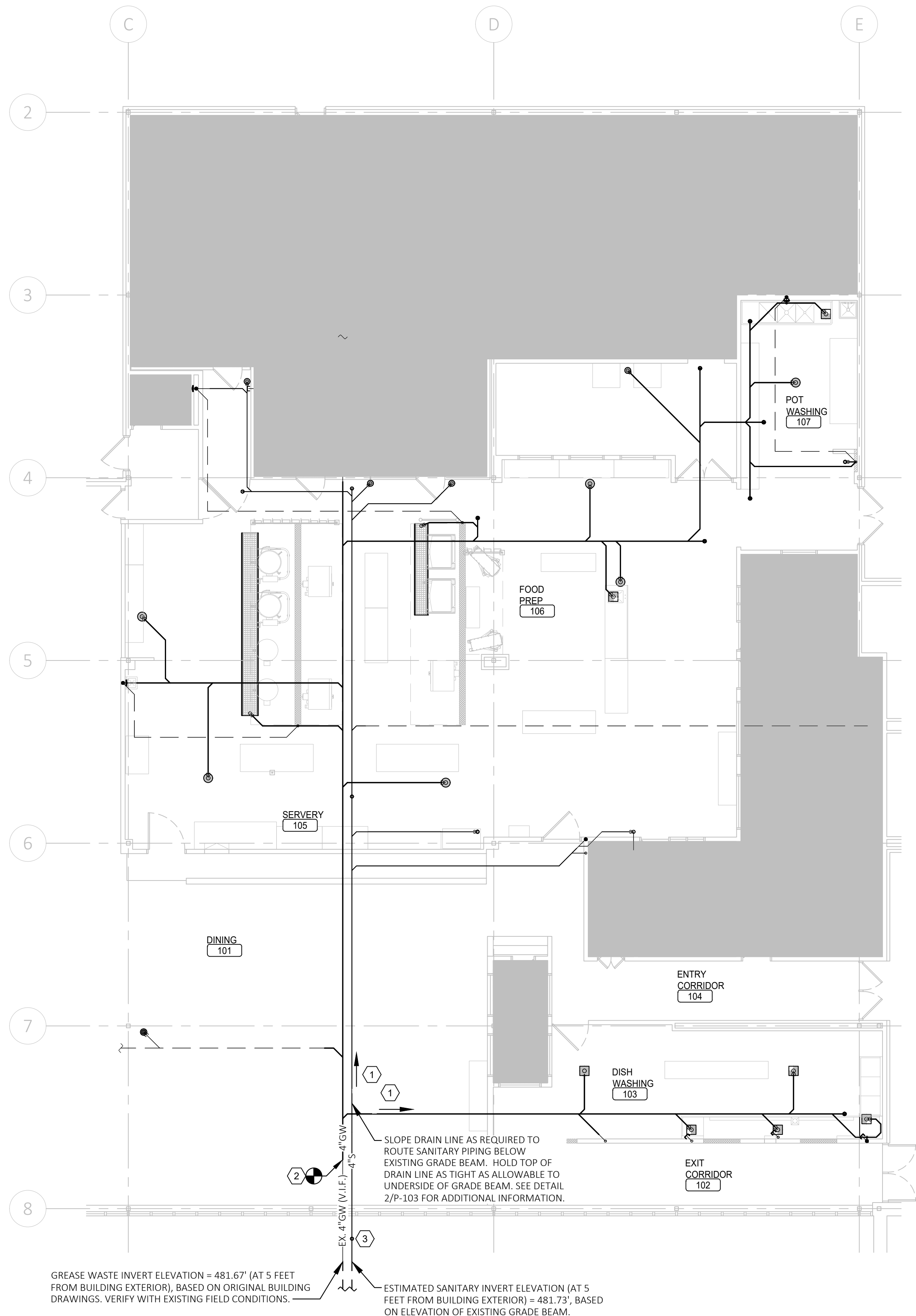
SHEET TITLE:

PLUMBING WASTE
AND VENT OVERALL
FLOOR PLAN

SHEET NUMBER:

P-102

13 OF 20 SHEETS
11/13/2025



1 PLUMBING WASTE AND VENT OVERALL FLOOR PLAN (ALTERNATE #1)
P-103 SCALE: 1/8" = 1'-0" NORTH

GENERAL NOTES:

1.

ALL EQUIPMENT/FIXTURES SHALL BE PROVIDED BY PLUMBING CONTRACTOR, AS SHOWN ON THE DRAWINGS AND LISTED IN THE PLUMBING SPECIFICATIONS, UNLESS NOTED OTHERWISE.

2.

ALL GREASE WASTE AND VENT PIPING BELOW SLAB SHALL BE HUB AND SPIGOT CAST IRON, CONFORMING TO ASTM AND CISPI STANDARDS.

3.

ALL SANITARY WASTE AND VENT PIPING BELOW SLAB SHALL BE SOLID CORE SCHEDULE 40 PVC, CONFORMING TO ASTM STANDARDS.

4.

TRENCHING THROUGH THE EXISTING KITCHEN SLAB SHALL BE REQUIRED TO INSTALL NEW PIPING. CONTRACTOR SHALL REFERENCE ARCHITECTURAL DRAWINGS FOR TRENCHING LIMITS, SAW-CUTTING, AND SLAB REPAIR DETAILS.

5.

PROVIDE GRANULAR BEDDING UNDER ALL PIPING PER PROJECT SPECIFICATIONS AND PLUMBING CODE. BACKFILL IN CONTROLLED LIFTS AND COMPACT TO 95% OF MAXIMUM DRY DENSITY (ASTM D698) TO SUPPORT NEW SLAB.

6.

AFTER PIPING INSTALLATION AND TESTING, INFILL SLAB WITH CONCRETE TO MATCH EXISTING THICKNESS, REINFORCEMENT, AND FINISH. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR SLAB REPAIR REQUIREMENTS AND FLOOR FINISH RESTORATION.

7.

SANITARY PIPING SHALL BE TESTED WITH A 10-FOOT HEAD OF WATER OR 5 PSI AIR TEST FOR A MINIMUM OF 15 MINUTES, WITNESSED BY OWNER'S REPRESENTATIVE.

8.

PROVIDE VENT PIPING AND CONNECTIONS TO FIXTURES AS INDICATED ON PLANS; COORDINATE VENT TERMINATIONS. VENT PIPING MATERIAL SHALL MATCH MATERIAL OF ASSOCIATED UNDERSLAB DRAIN LINE.

9.

COORDINATE TRENCH ROUTING AND PIPE LAYOUT WITH OTHER UTILITIES, EQUIPMENT, AND STRUCTURAL ELEMENTS TO AVOID CONFLICTS.

10.

VERIFY EXACT FIXTURE AND KITCHEN EQUIPMENT LOCATIONS WITH FACILITY STAFF PRIOR TO ROUGH-IN.

11.

PROVIDE CODE-REQUIRED CLEANOUTS AT CHANGES OF DIRECTION AND AT INTERVALS PER THE PLUMBING CODE. CLEANOUTS SHALL BE ACCESSIBLE AND FLUSH WITH FINISHED FLOOR OR WALL AS APPLICABLE.

12.

SEE ENLARGED PLAN SHEETS AND PLUMBING DETAILS FOR EXACT ROUTING, SLOPES, AND FIXTURE CONNECTIONS.

KEYED NOTES:

1

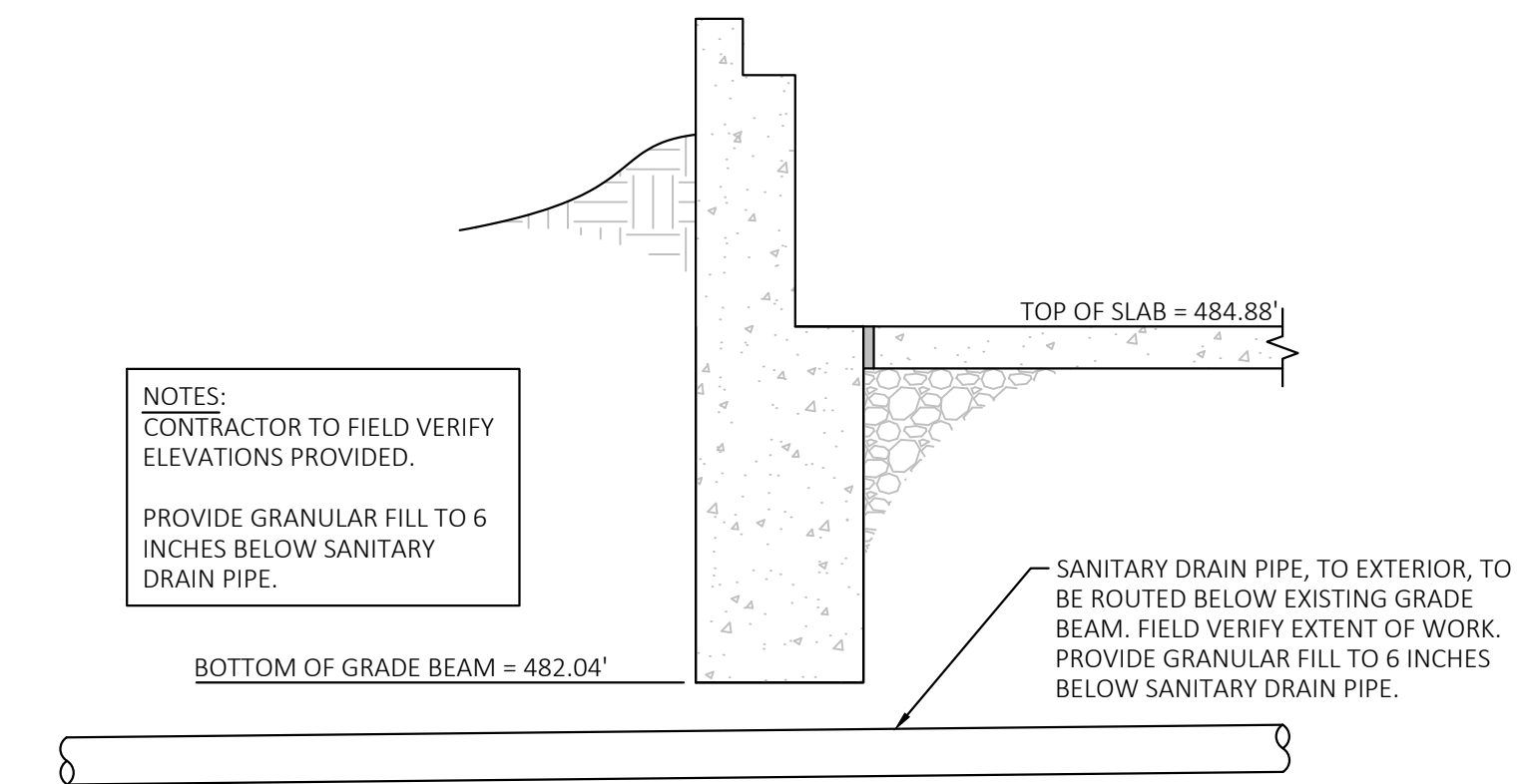
SEE SHEET P-102 FOR ALL UPSTREAM INFORMATION (BASE BID).

2

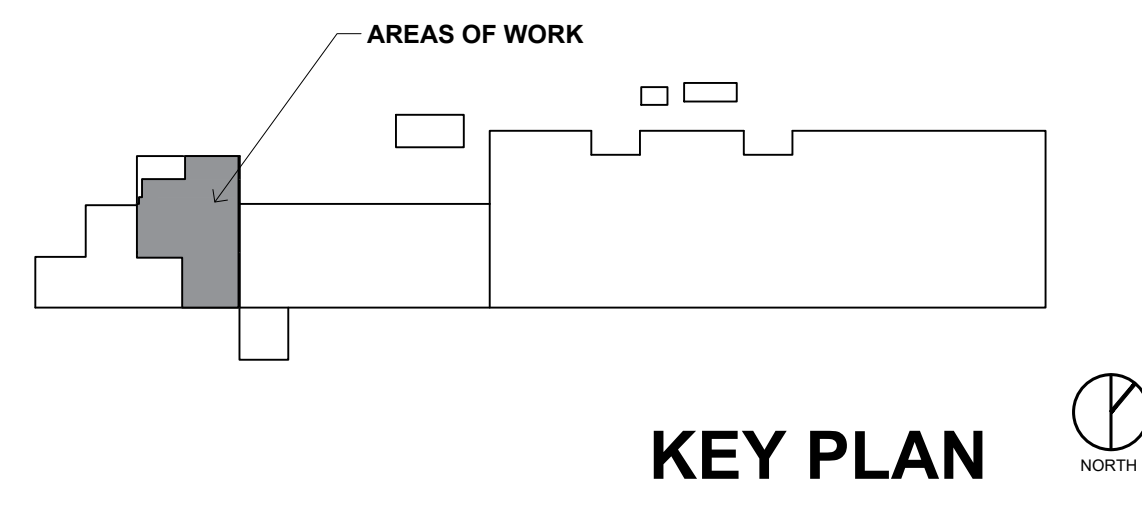
CONNECT NEW DRAIN PIPNG TO EXISTING DRAIN LINE, BELOW SLAB. FIELD VERIFY EXACT LOCATION OF EXISTING VENT (WHERE REQUIRED), AND EXTENT OF WORK.

3

PROVIDE GRADE CLEANOUT, AS REQUIRED. SEE DETAIL ON SHEET P-501 FOR ADDITIONAL INFORMATION.



2 SANITARY PIPE TO EXTERIOR DETAIL
P-103 SCALE: NONE



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SHEET TITLE:
PLUMBING WASTE
AND VENT OVERALL
FLOOR PLAN
(ALTERNATE #1)

SHEET NUMBER:
P-103
14 OF 20 SHEETS
11/13/2025

GENERAL NOTES:

1. ALL EXPOSED SHUTOFF VALVES SHALL BE LOCKABLE AND SHALL BE ACCESSIBLE. PROVIDE LOCKING, VANDAL PROOF ACCESS PANELS, WHERE REQUIRED.

2. REFER TO ARCHITECTURAL DRAWINGS FOR FURTHER INFORMATION RELATING TO DOMESTIC WATER PIPING AND FAUCET LOCATIONS AT HOOD LOCATIONS/PARTIAL HEIGHT WALLS.

KEYED NOTES:

1 EXTEND NEW 1" CW UP, FROM EXISTING DOMESTIC WATER LINES, CAPPED BELOW SLAB DURING DEMOLITION, FOR PROTECTION DURING CMU WALL CONSTRUCTION. FIELD VERIFY EXACT LOCATION AND SIZES DURING DEMOLITION. EXISTING HOT WATER LINE TO REMAIN PERMANENTLY CAPPED UNDER SLAB. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

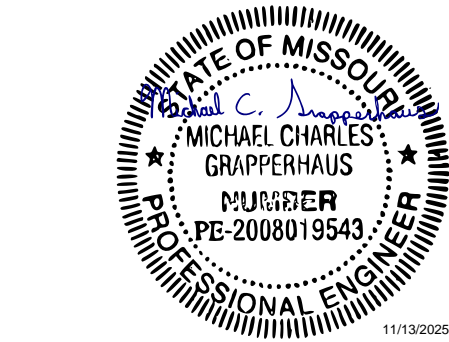
2 EXTEND NEW 3/4" CW, FROM EXISTING DOMESTIC WATER LINES, CAPPED BELOW SLAB DURING DEMOLITION, FOR PROTECTION DURING CMU WALL CONSTRUCTION. EXISTING HOT WATER LINE TO REMAIN PERMANENTLY CAPPED UNDER SLAB. FIELD VERIFY EXACT LOCATION AND SIZES DURING DEMOLITION. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

3 EXTEND NEW 1/2" HW & 1/2" CW BELOW SLAB, AS SHOWN ON PLAN. STUB UP RIGID WATER LINES UP THRU SLAB, FOR CONNECTION TO NEW PREP STATION SINK. PROVIDE FLEX WATER CONNECTIONS TO PREP STATION SINK'S FAUCET. SEE DETAIL ON SHEET P-501, FOR ADDITIONAL INFORMATION. FIELD VERIFY EXACT LOCATION AND SIZES OF EXISTING DOMESTIC WATER LINES DURING DEMOLITION.

4 NEW PREP STATION/TABLE, WITH INTEGRAL SINK. SEE ARCHITECTURAL DRAWINGS, AND DETAIL ON SHEET P-501, FOR ADDITIONAL INFORMATION.

5 PROVIDE VANDAL PROOF LOCKING ACCESS TO UNDER-SLAB WATER SHUTOFF VALVES.

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



MICHAEL C. GRAPPERHAUS
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PROJECT # C2509-01
SITE # 7007
FACILITY# 9327007014

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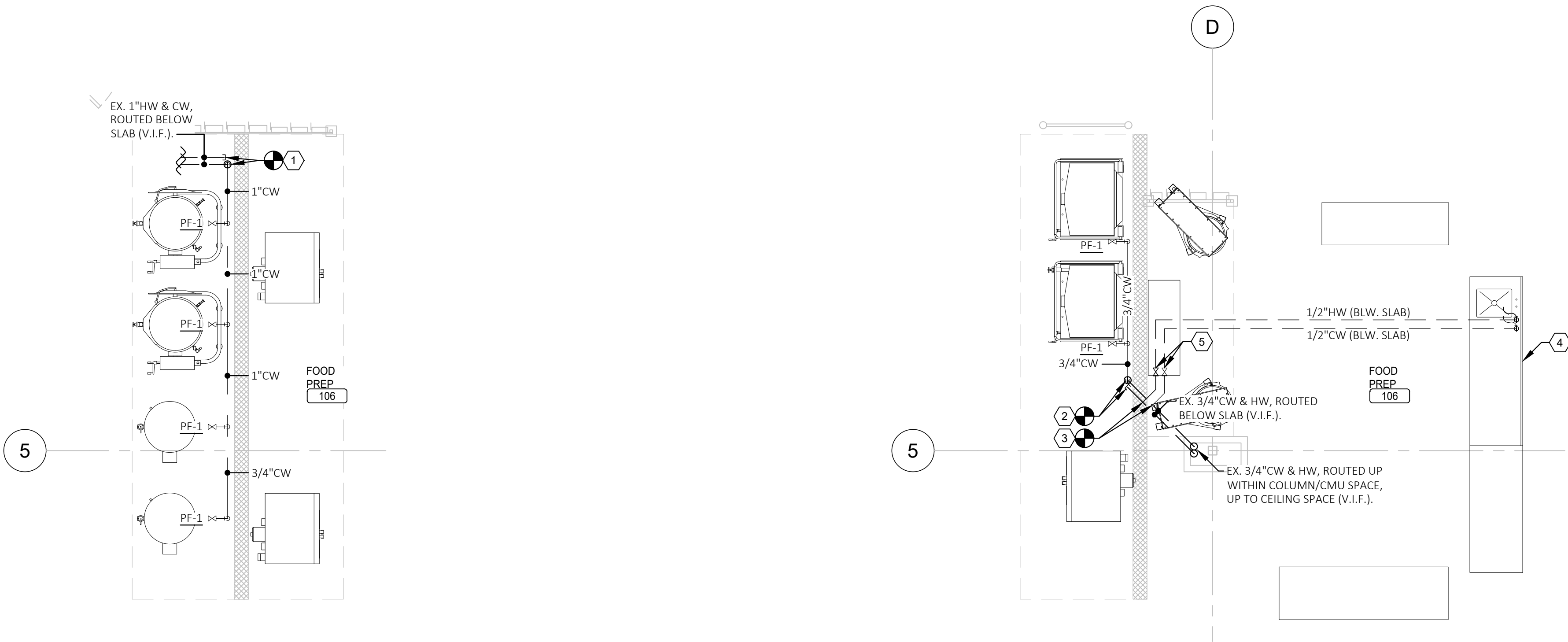
CAD DWG FILE: _____
DRAWN BY: VVS
CHECKED BY: MCG
DESIGNED BY: VVS

SHEET TITLE:

PLUMBING DOMESTIC
WATER ENLARGED
FLOOR PLANS

SHEET NUMBER:

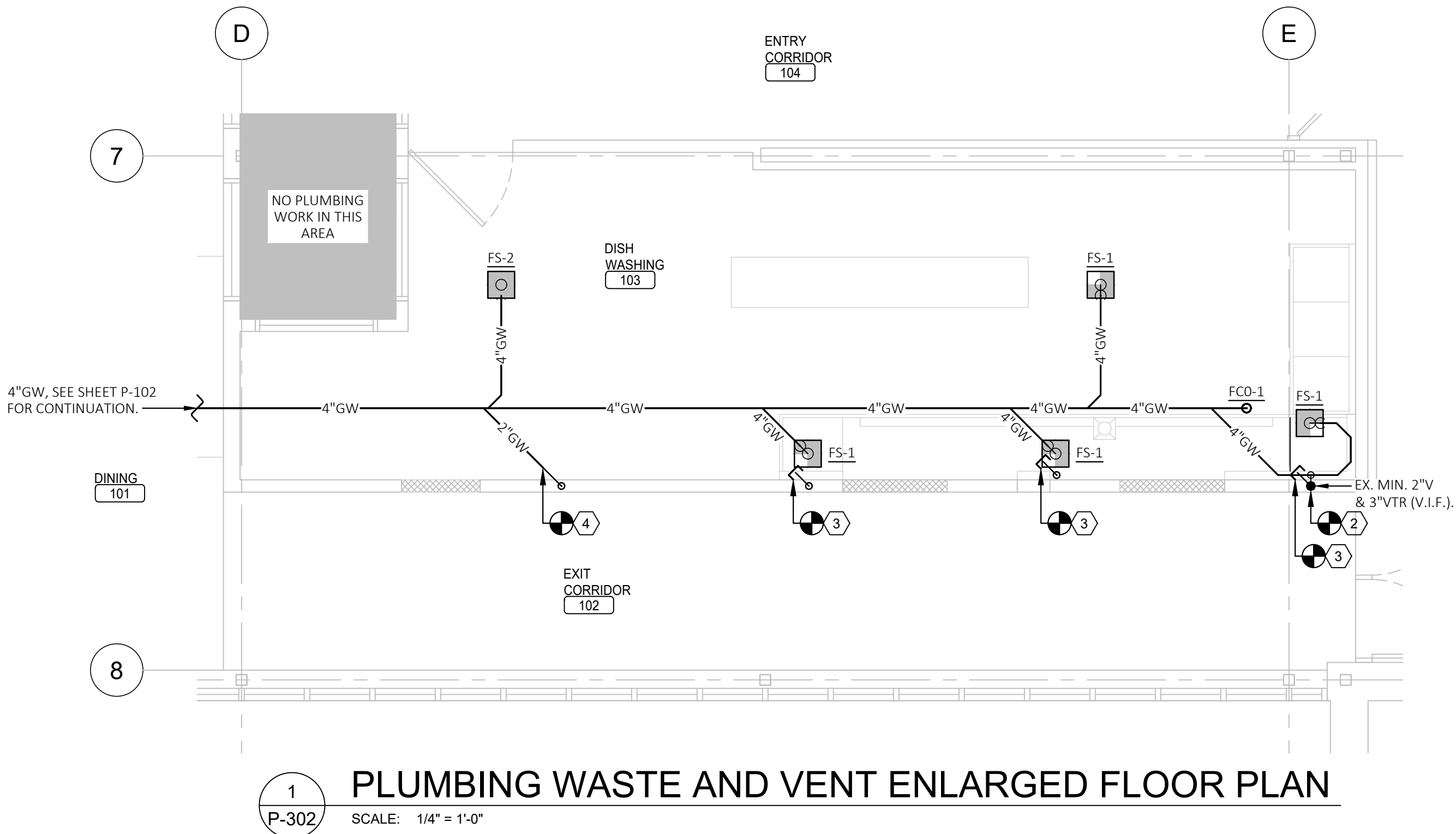
P-301
15 OF 20 SHEETS
11/13/2025



1
P-301
PLUMBING DOMESTIC WATER ENLARGED FLOOR PLAN
SCALE: 1/4" = 1'-0"

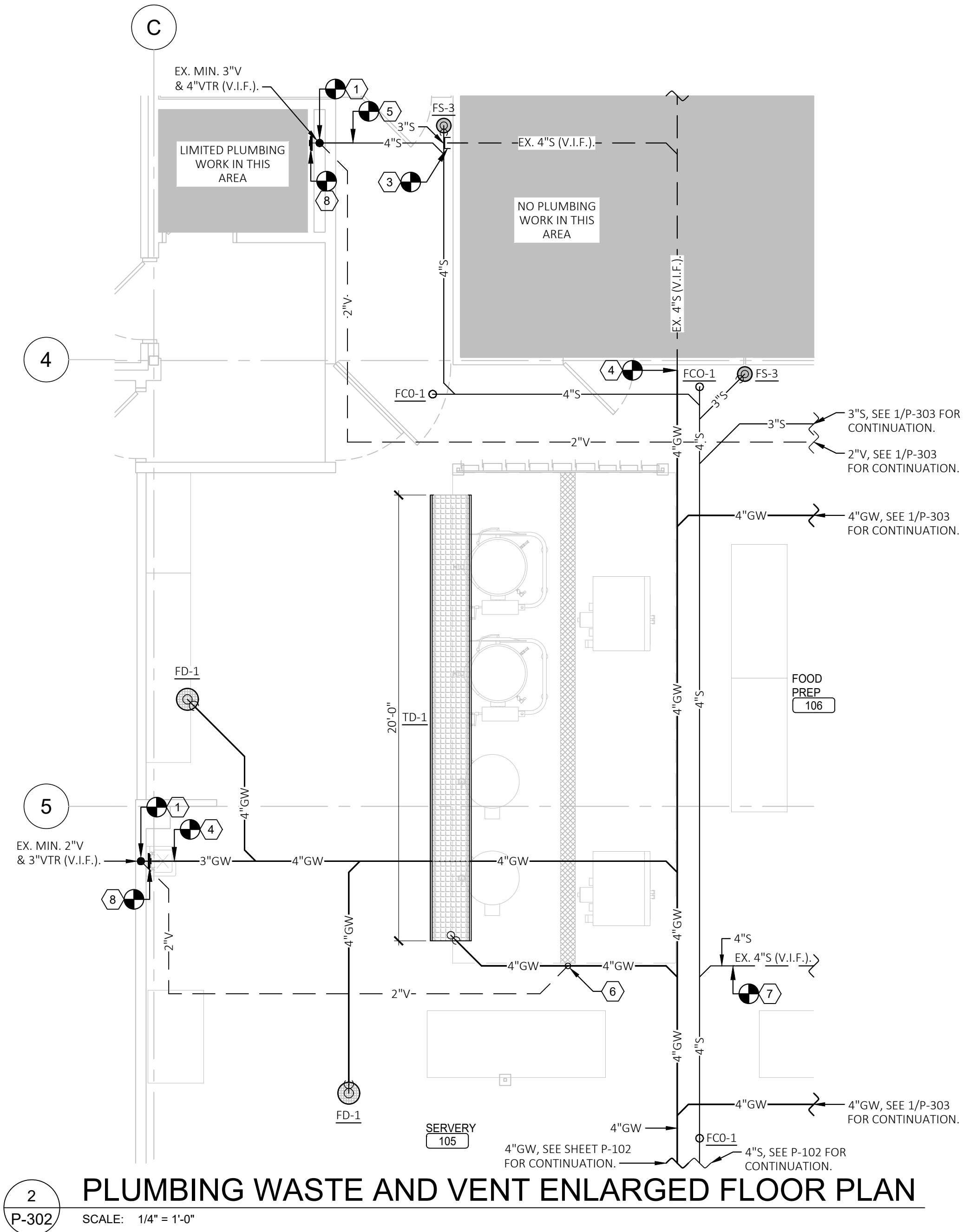
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P-301
PLUMBING DOMESTIC WATER ENLARGED FLOOR PLAN
SCALE: 1/4" = 1'-0"





1 PLUMBING WASTE AND VENT ENLARGED FLOOR PLAN

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

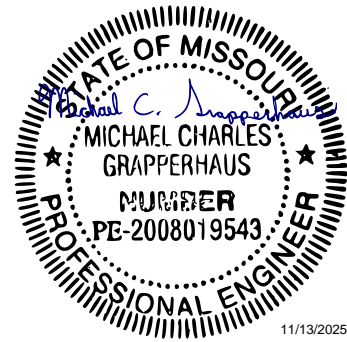


2 PLUMBING WASTE AND VENT ENLARGED FLOOR PLAN

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

- KEYED NOTES:
- 1 CONNECT NEW VENT PIPING TO EXISTING SANITARY VENT, ABOVE CEILING (OR WITHIN JOIST SPACE). FIELD VERIFY EXACT LOCATION OF EXISTING VENT, AND EXTENT OF WORK.
 - 2 CONNECT NEW VENT PIPING TO EXISTING SANITARY VENT, WITHIN EXISTING CMU WALL, BELOW FIXTURE. FIELD VERIFY EXACT LOCATION OF EXISTING VENT (WHERE VTR IS SHOWN ON PLAN), AND EXTENT OF WORK.
 - 3 CAP EXISTING DRAIN LINE AIR-TIGHT, BELOW SLAB, WITHIN 6" OF EXISTING WALL. FIELD VERIFY EXACT LOCATION OF EXISTING VENT (WHERE REQUIRED), AND EXTENT OF WORK.
 - 4 CONNECT NEW DRAIN PIPNG BELOW SLAB, WITHIN 6" OF EXISTING WALL, TO EXISTING DRAIN LINE FROM EXISITNG HAND SINK. FIELD VERIFY EXTENT OF WORK.
 - 5 CONNECT NEW DRAIN PIPNG BELOW SLAB, WITHIN 6" OF EXISTING WALL, TO EXISTING DRAIN LINE FROM EXISITNG RESTROOM. FIELD VERIFY EXTENT OF WORK.
 - 6 ROUTE CAST IRON VENT PIPING UP SIDE OF CMU, ADJACENT TO HOOD, AND ABOVE CEILING. REFER TO KEYED NOTE 1 FOR ADDITIONAL INFORMATION. SECURE PIPING TO CMU WALL AND HOOD WITH GALVANIZED PIPE CLAMPS.
 - 7 CONNECT NEW DRAIN PIPNG TO EXISTING DRAIN LINE, BELOW SLAB. FIELD VERIFY EXACT LOCATION OF EXISTING VENT (WHERE REQUIRED), AND EXTENT OF WORK.
 - 8 REMOVE EXISTING, SEIZED CLEANOUT PLUG. REPLACE WITH NEW, USABLE CLEANOUT PLUG. FIELD VERIFY EXTENT OF WORK.

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



MICHAEL C. GRAPPERHAUS
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CAD DWG FILE: _____
DRAWN BY: VVS
CHECKED BY: MCG
DESIGNED BY: VVS

SHEET TITLE:

PLUMBING WASTE AND
VENT ENLARGED
FLOOR PLANS

SHEET NUMBER:

P-302

16 OF 20 SHEETS
11/13/2025

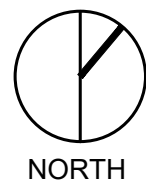
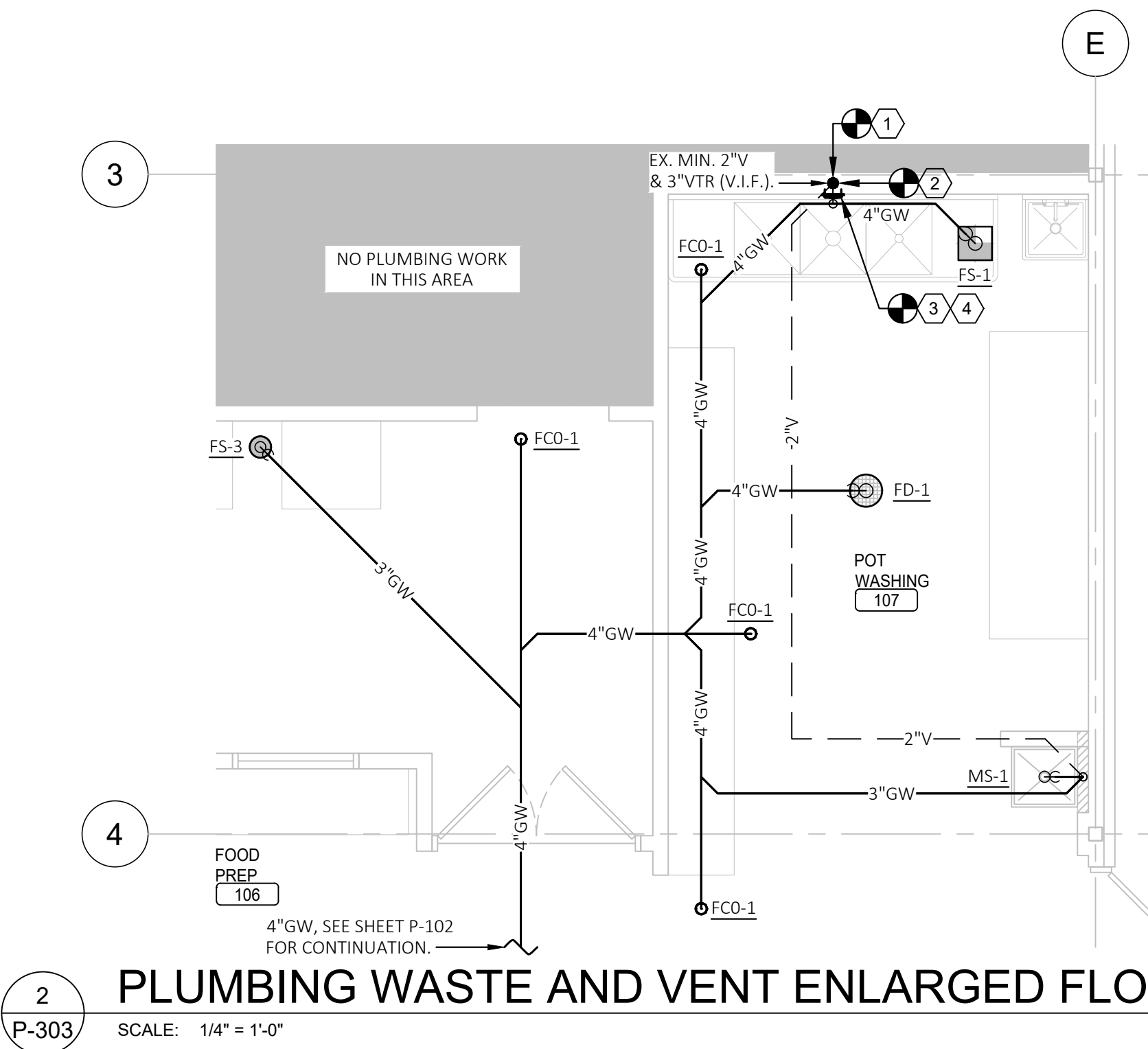
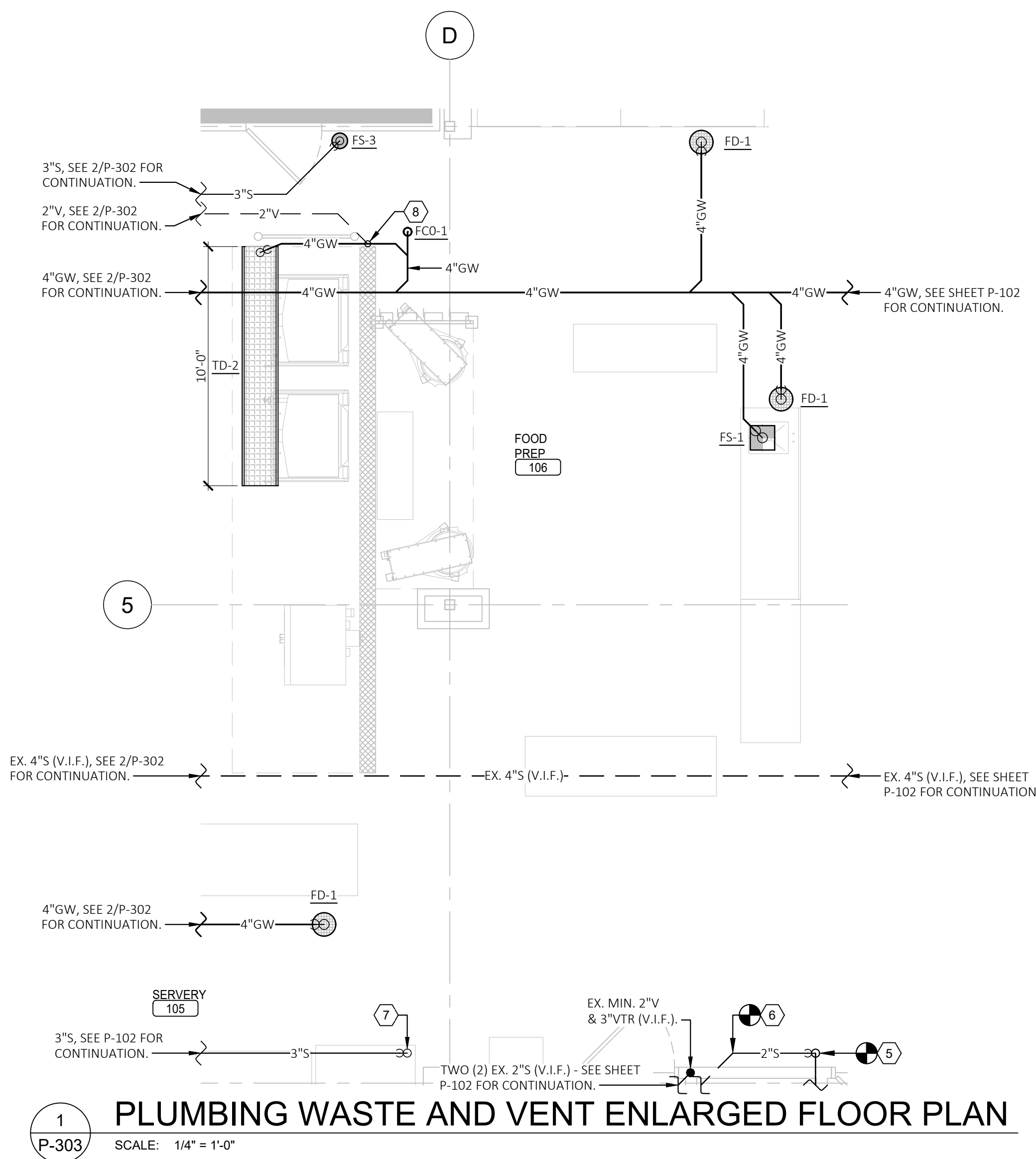
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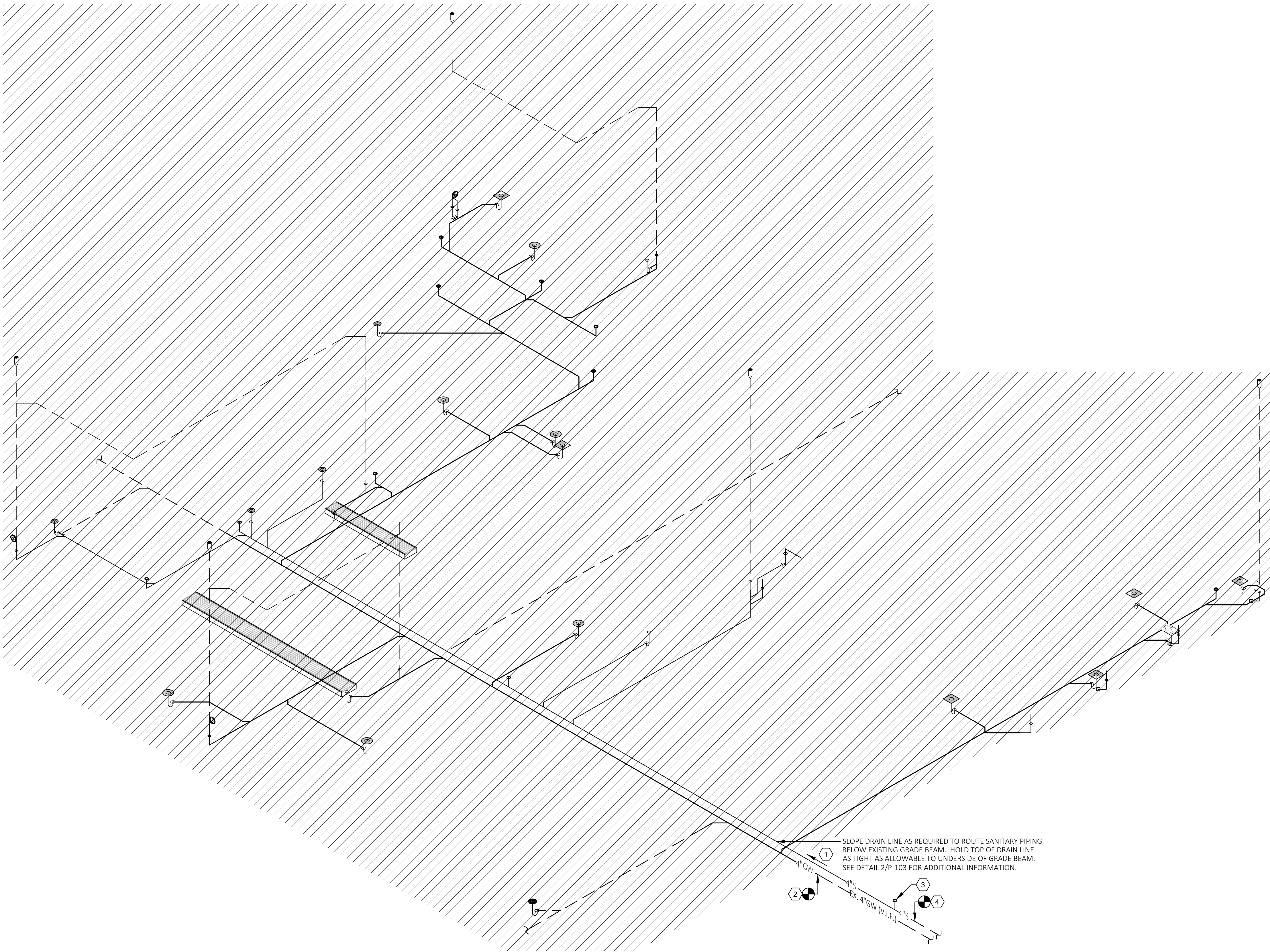
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17 OF 20 SHEETS
11/13/2025

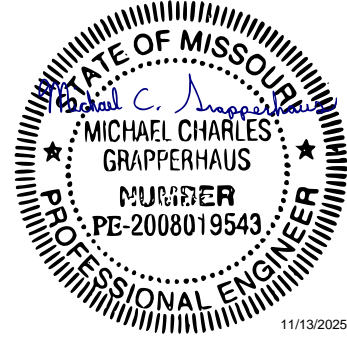
1. CONNECT NEW VENT PIPING TO EXISTING SANITARY VENT, ABOVE CEILING (OR WITHIN JOIST SPACE). FIELD VERIFY EXACT LOCATION OF EXISTING VENT, AND EXTENT OF WORK.
2. CONNECT NEW VENT PIPING TO EXISTING SANITARY VENT WITHIN EXISTING CMU WALL, BELOW FIXTURE. FIELD VERIFY EXACT LOCATION OF EXISTING VENT, AND EXTENT OF WORK.
3. CAP EXISTING DRAIN LINE AIR-TIGHT, BELOW SLAB. FIELD VERIFY EXACT LOCATION OF EXISTING VENT, AND EXTENT OF WORK.
4. REMOVE EXISTING, SEIZED CLEANOUT PLUG. REPLACE WITH NEW, USABLE CLEANOUT PLUG. FIELD VERIFY EXTENT OF WORK.
5. DIRECT CONTACT EXISTING BREAKROOM SINK INTO SANITARY DRAIN SYSTEM. OMIT P-TRAP, SHOWN, IF EXISTING BREAKROOM SINK HAS A DEDICATED P-TRAP. DO NOT DOUBLE TRAP SINK.
6. CONNECT NEW BREAKROOM DRAIN LINE TO DRAIN LINE OF EXISTING HUB DRAIN PIPING. FIELD VERIFY EXACT LOCATION AND EXTENT OF WORK.
7. PROVIDE HUB DRAIN. SEE DETAIL ON SHEET P-501 FOR ADDITIONAL INFORMATION.
8. ROUTE CAST IRON VENT PIPING UP SIDE OF CMU, ADJACENT TO HOOD, AND ABOVE CEILING. REFER TO KEYED NOTE 1 FOR ADDITIONAL INFORMATION. SECURE PIPING TO CMU WALL AND HOOD WITH GALVANIZED PIPE CLAMPS.





- KEYED NOTES:
- 1 SEE SHEET P-401 FOR ALL UPSTREAM INFORMATION (BASE BID).
 - 2 CONNECT NEW DRAIN PIPNG TO EXISTING DRAIN LINE, BELOW SLAB. FIELD VERIFY EXACT LOCATION OF EXISTING VENT (WHERE REQUIRED), AND EXTENT OF WORK.
 - 3 PROVIDE GRADE CLEANOUT, AS REQUIRED. SEE DETAIL ON SHEET P-501 FOR ADDITIONAL INFORMATION.
 - 4 CONNECT NEW SANITARY DRAIN LINE TO SITE SANITARY DRAIN PIPING. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION. ESTIMATED SANITARY INVERT ELEVATION (AT 5 FEET FROM BUILDING EXTERIOR) = 481.73', BASED ON ELEVATION OF EXISTING GRADE BEAM.

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SHEET TITLE:
PLUMBING WASTE
AND VENT RISER
DIAGRAMS
(ALTERNATE #1)

SHEET NUMBER:

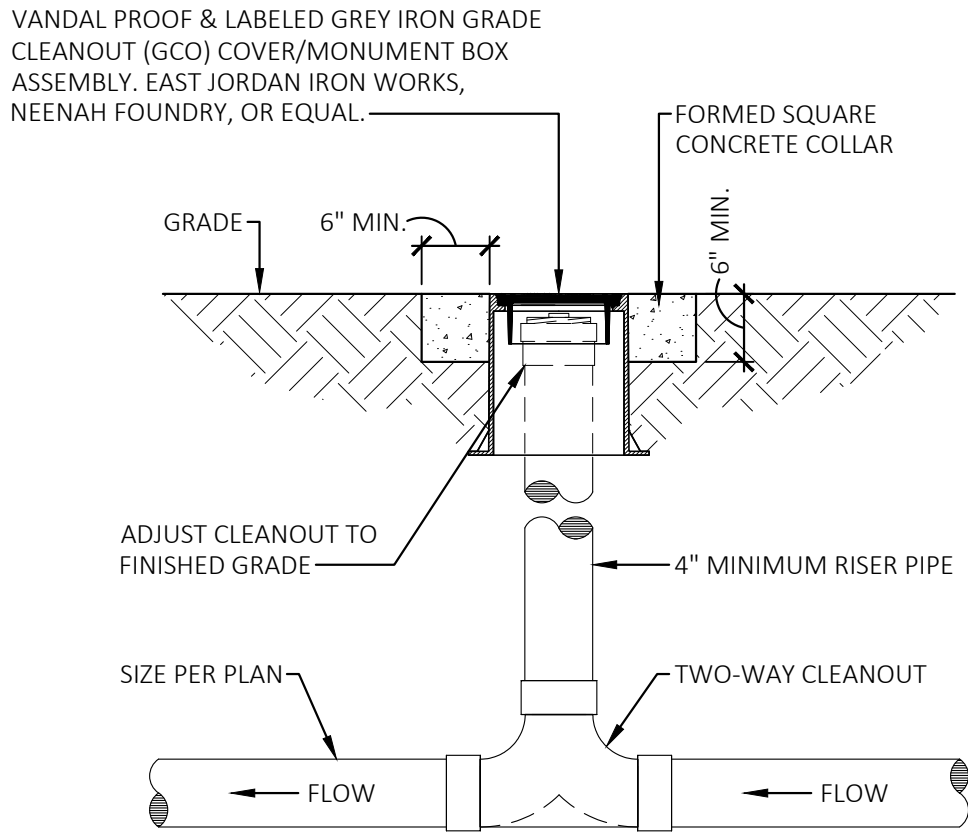
P-402

19 OF 20 SHEETS
11/13/2025

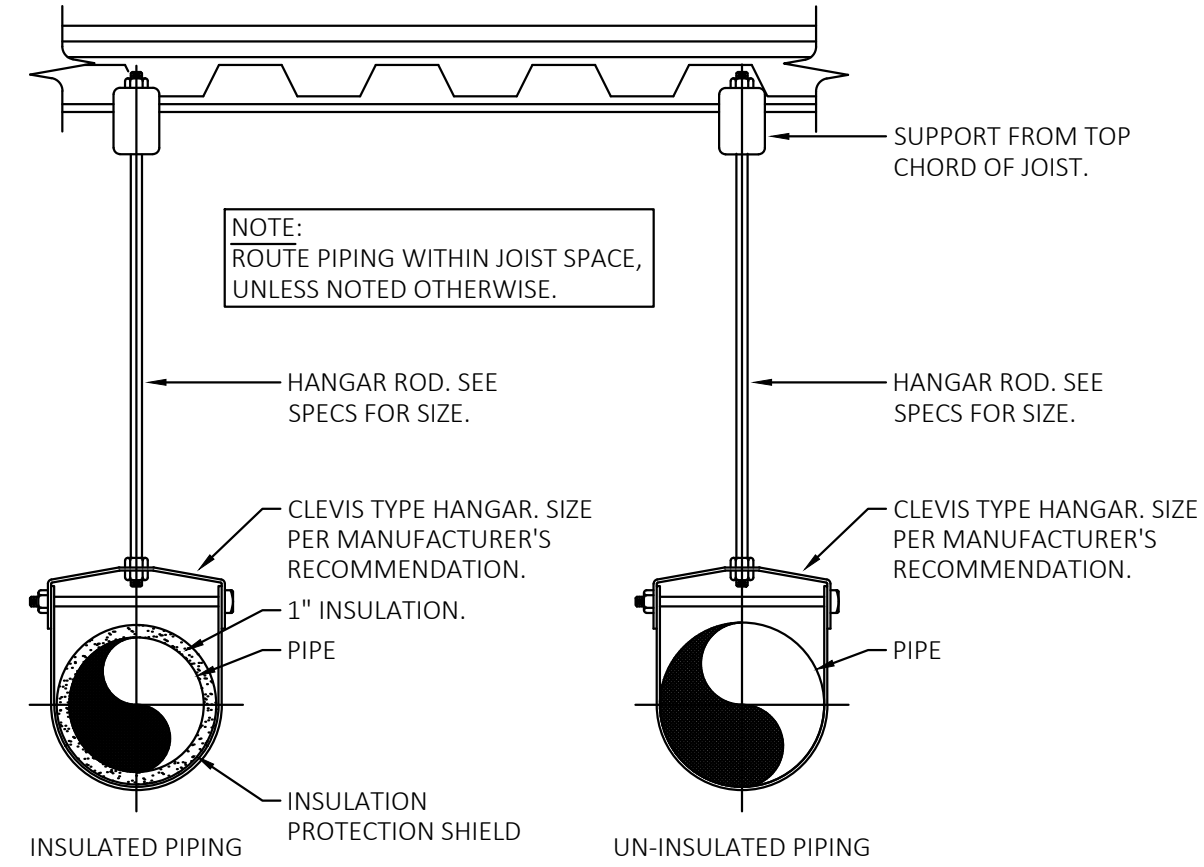
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P-402

PLUMBING WASTE AND VENT RISER DIAGRAM (ALTERNATE #1)

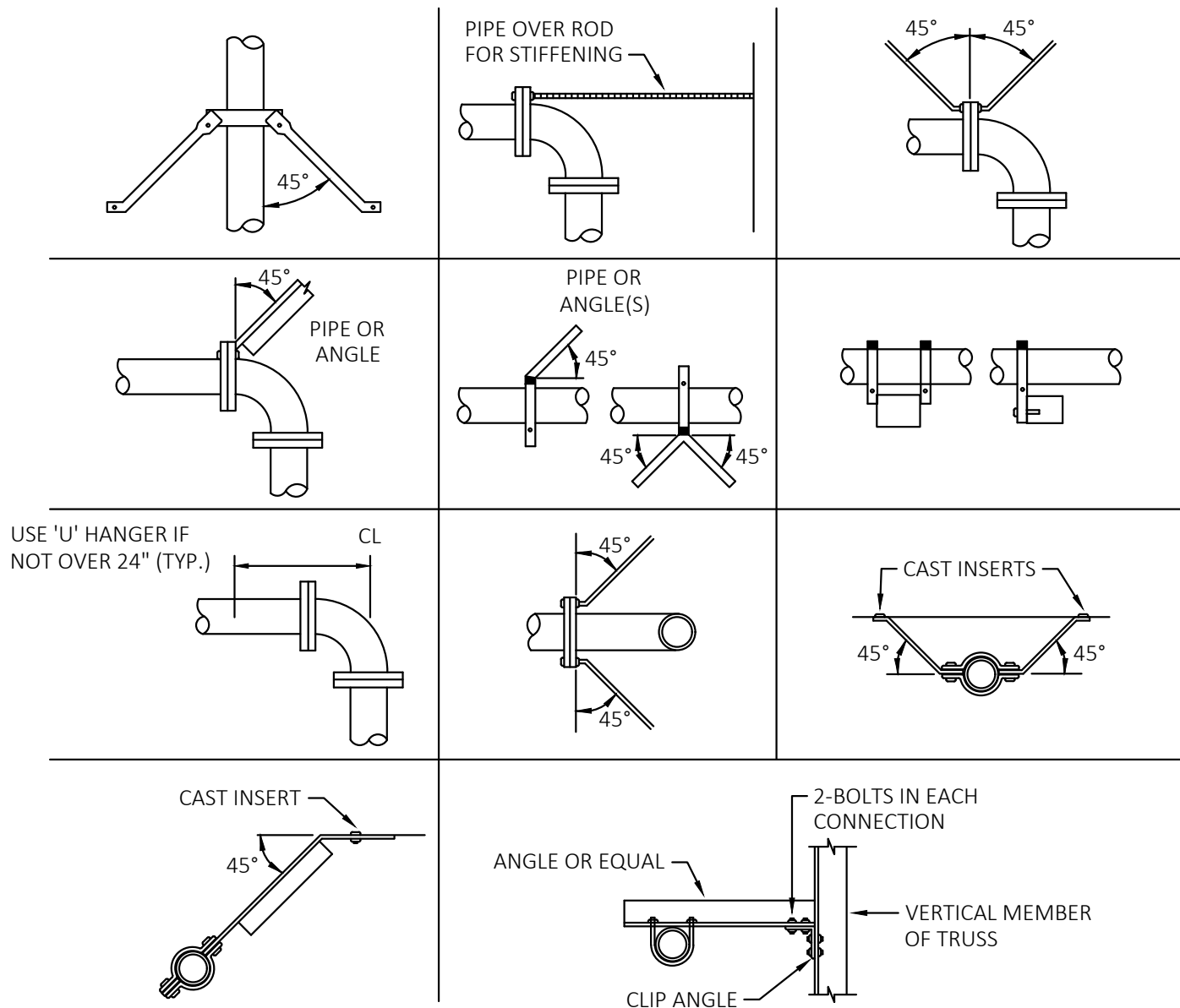
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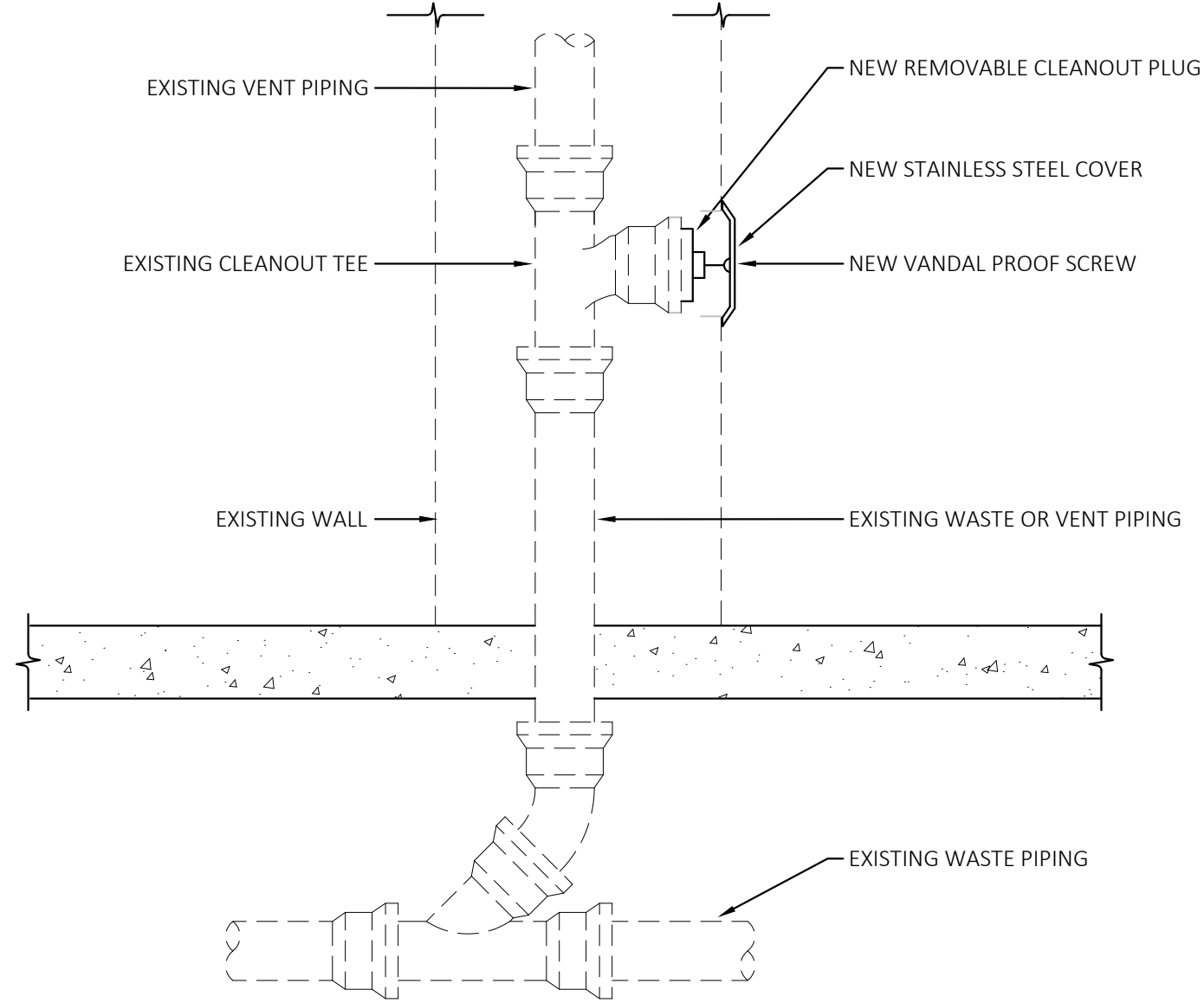
8
P-501
GRADE CLEANOUT DETAIL (ALTERNATE #1)
SCALE: NONE



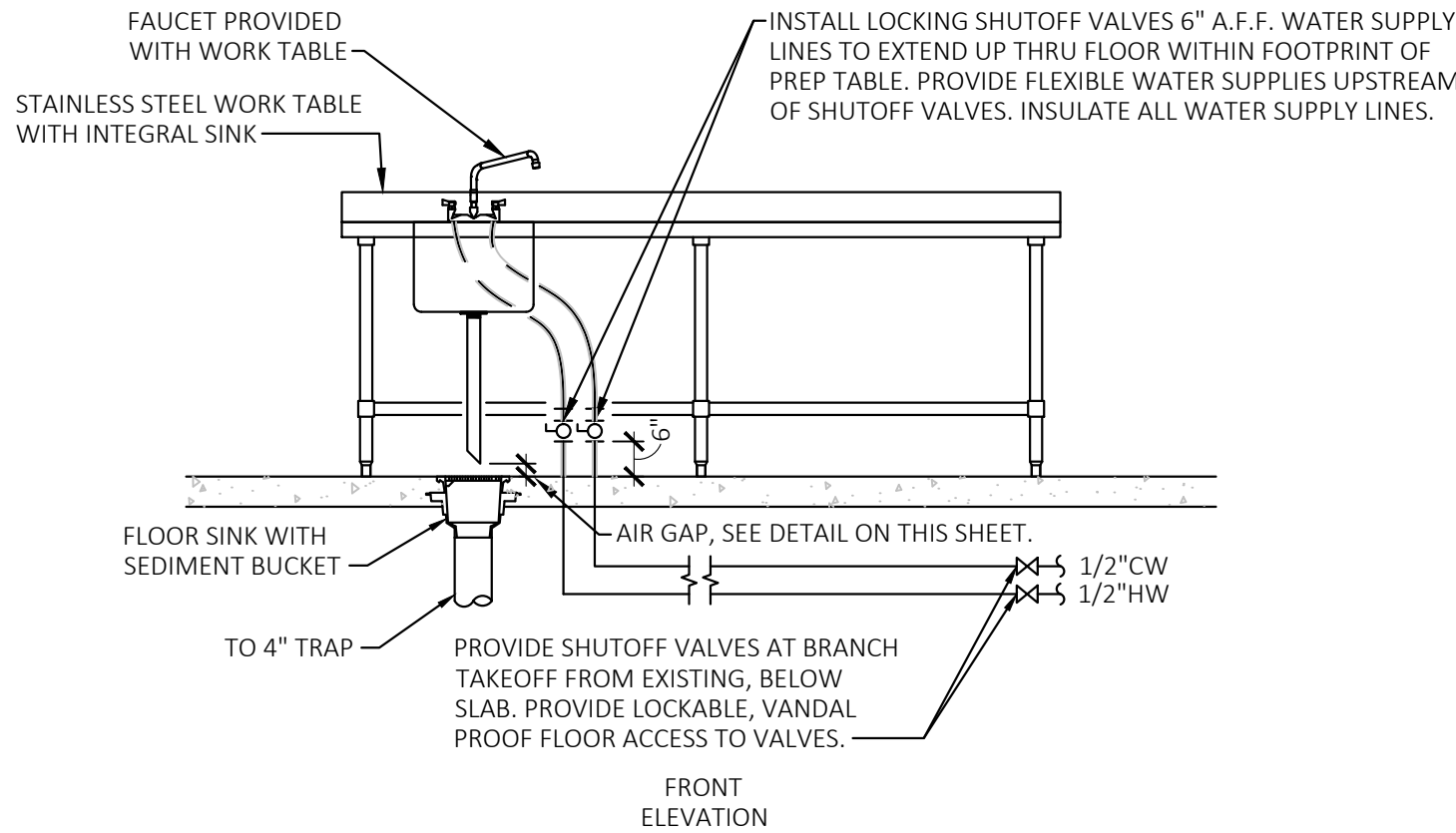
7
P-501
PIPE HANGER DETAIL
SCALE: NONE



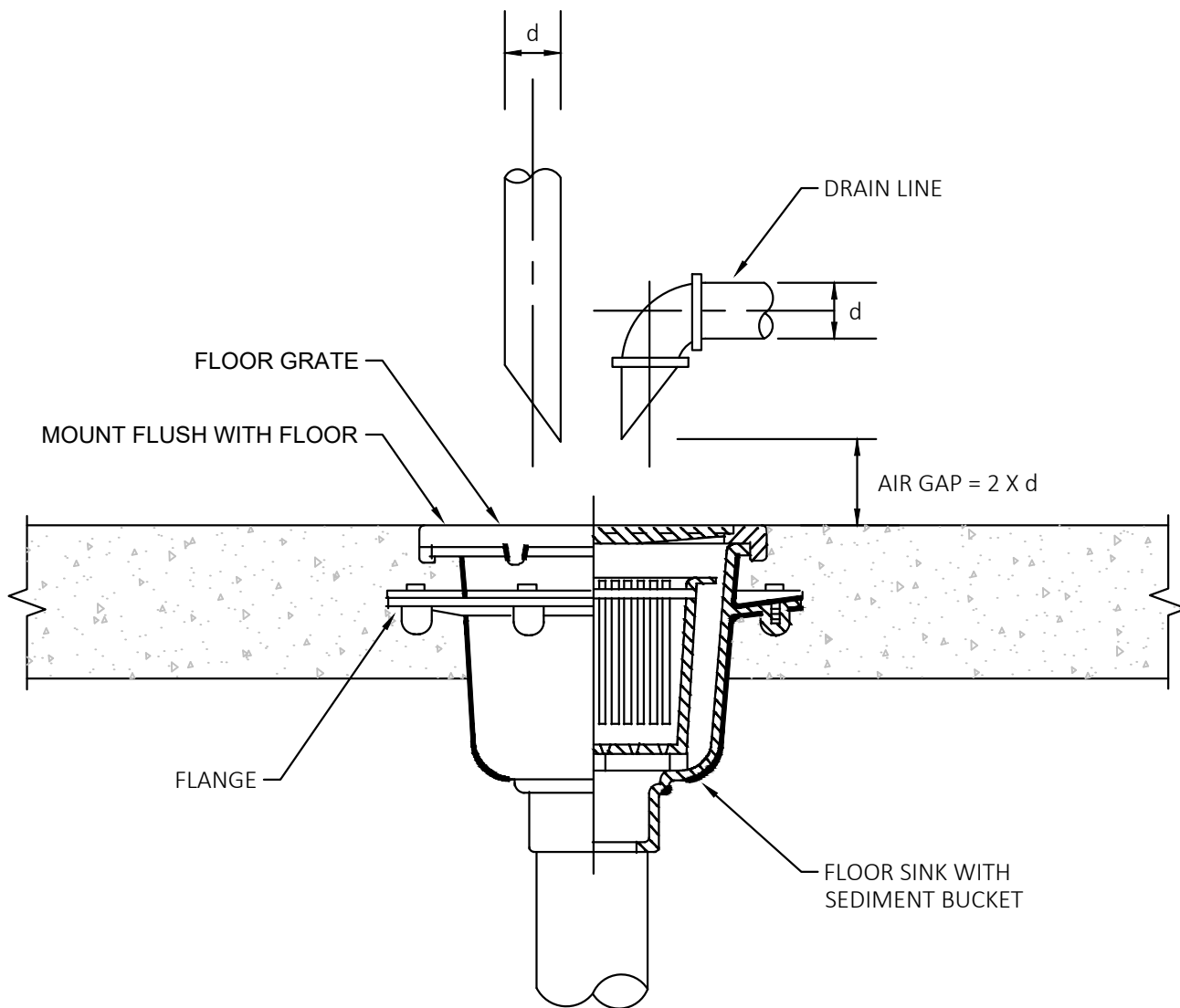
6
P-501
PIPE SWAY BRACING DETAILS
SCALE: NONE



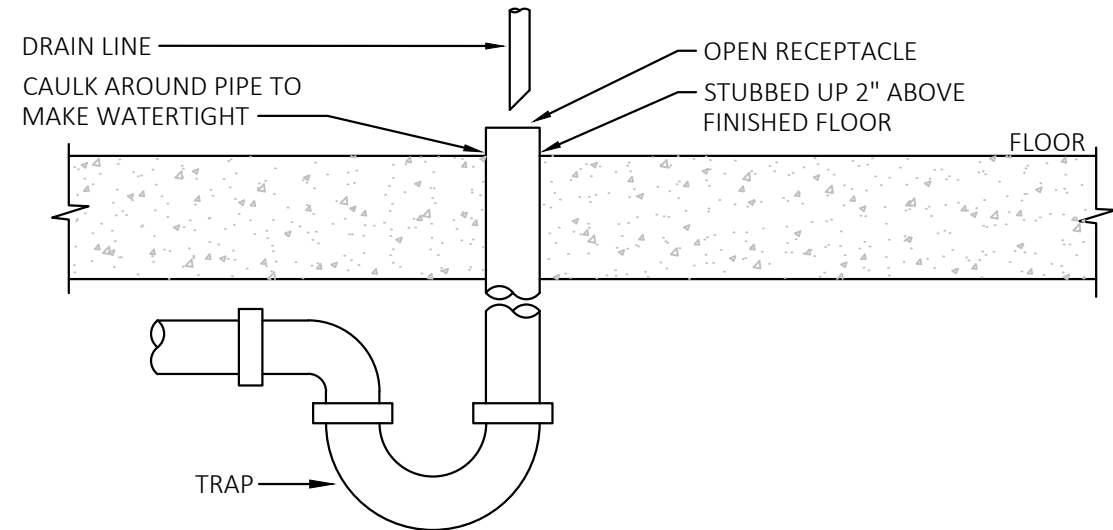
5
P-501
WALL CLEANOUT PLUG REPLACEMENT DETAIL
SCALE: NONE



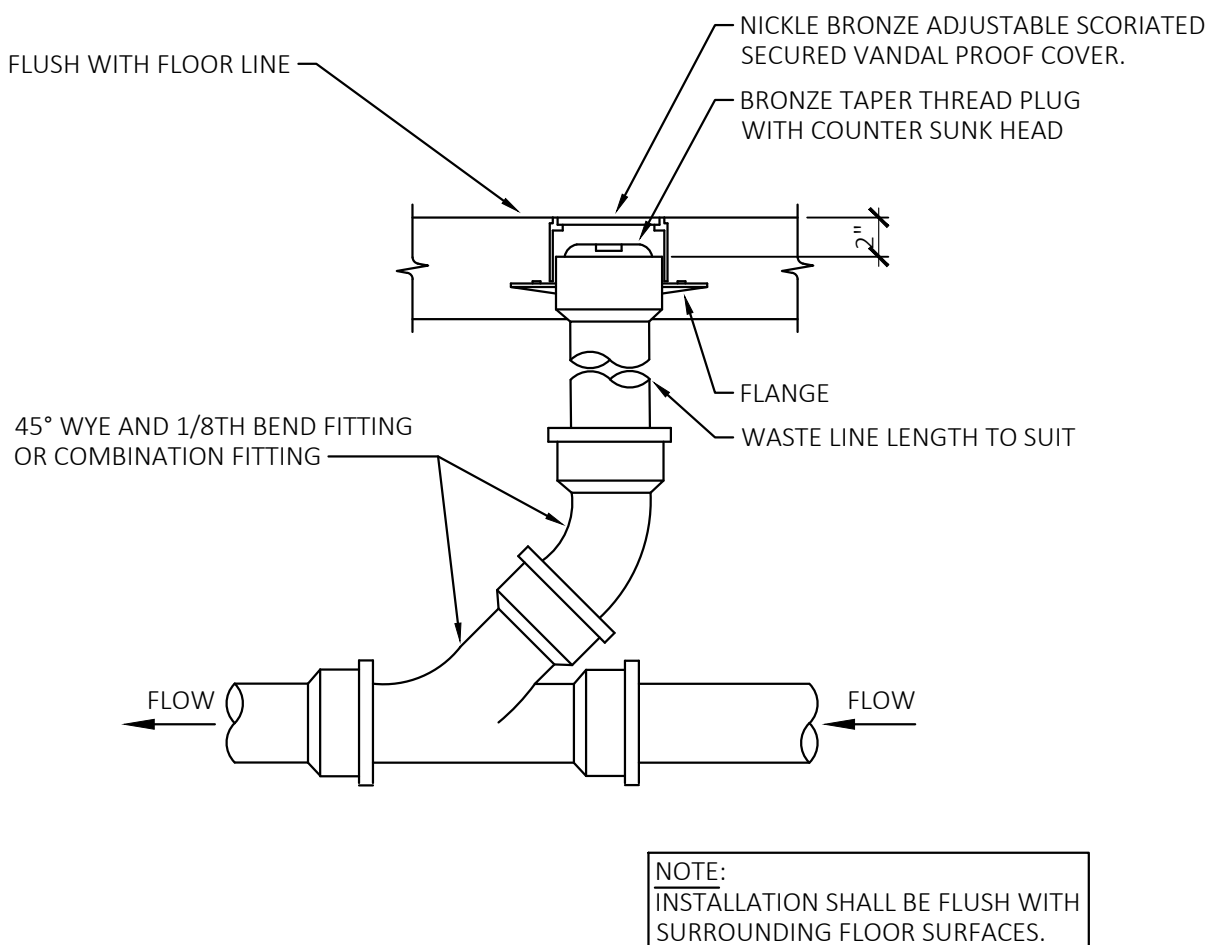
4
P-501
TYPICAL PREP SINK DETAIL
SCALE: NONE



3
P-501
TYPICAL FLOOR SINK DETAIL
SCALE: NONE

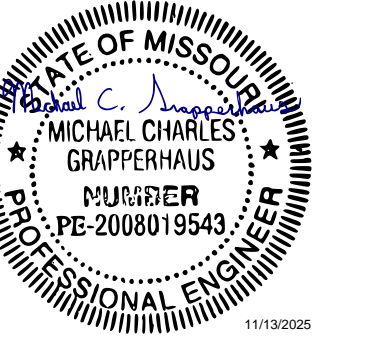


2
P-501
TYPICAL HUB DRAIN DETAIL
SCALE: NONE



1
P-501
TYPICAL FLOOR CLEANOUT DETAIL
SCALE: NONE

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SHEET TITLE:

PLUMBING
DETAILS

SHEET NUMBER:

P-501
20 OF 20 SHEETS
11/13/2025