

ADDENDUM #1

Project Name: GRC Kitchen Tunnel Repair
DAS #9018.00
RFB #0919335025
Dated: October 25, 2018

This Addendum forms a part of the bidding and contract documents. This Addendum supersedes and supplements all portions of the original bidding and contract documents dated October 5, 2018 with which it conflicts.

ACKNOWLEDGE RECEIPT OF THIS ADDENDUM IN THE SPACE PROVIDED ON THE BID FORM. FAILURE TO DO SO MAY SUBJECT THE BIDDER TO DISQUALIFICATION.

1. GENERAL CLARIFICATIONS

A. None.

2. SPECIFICATIONS

A. None.

3. DRAWINGS

A. M0.0 – Mechanical Coversheet

1. **REVISE** the FD-1 listed in the Plumbing Material List to be FS-1. Refer to revised sheet M0.0 attached.

B. MD1.0 – Tunnel Floor Plan – Mechanical – Demolition

1. **ADD** a 2" sanitary drain line in the tunnel that is to remain. Refer to revised sheet MD1.0 attached.

C. MD1.1 – First Floor Plan – Mechanical – Demolition

1. **ADD** note to remove the existing steam relief valve on one of the steam kettles and save valve to be reused. Refer to revised sheet MD1.1 attached.

D. M1.0 – Tunnel Floor Plan – Mechanical

1. **ADD** an existing 2" sanitary drain line in the tunnel that is to remain. Refer to revised sheet M1.0 attached.

E. M1.1 – First Floor Plan – Mechanical

1. **ADD** note to reinstall existing steam relief valve on one of the steam kettles. Refer to revised sheet M1.1 attached.

4. **QUESTIONS**

- A. Do we need to insulate in phases or can that be completed all at once at the end of the project? **A> Insulation of steam and steam condensate piping needs to be completed in phases in order to protect occupants from injury when working around those lines. Insulation of domestic water lines may be accomplished all at once at the end of the project.**
- B. Can we utilize grout instead of concrete underneath the galvanized pipe stands? **A> Yes, that is acceptable.**
- C. The sanitary main looked to be 4" but is called out as 3". Is 3" correct? **A> The 3" sanitary line size has been confirmed.**
- D. Do we need to utilize roller hangers on the steam line? **A> No, steam piping does not require roller hangers due to the small size and short runs. Steam piping shall not be rigidly attached to supports and shall allow some minor expansion.**
- E. Floor drains are specified to replace floor sinks. Is a drain desired or do these need to be replaced with floor sinks? **A> The floor sinks shall be replaced with new floor sinks. This is clarified on the drawings in this addendum.**
- F. Will the floor sinks/drains require a trap primer? **A> A trap primer is not required as these traps are frequently used.**
- G. Is a trough desired instead of the floor sinks/drains? **A> A trough is not desired in lieu of the floor sinks/drains. We do not believe that the concrete slab will support a trough cutout.**
- H. The documents indicate disconnecting of equipment by the contractor. Will the electrical disconnections and reconnections be part of the contractor's scope of work? **A> No, electrical disconnection and reconnection will be by the facility.**
- I. Can work that does not disrupt the kitchen be done during normal business hours? Example: Tunnel area and mechanical room. **A> No, all work shall be done between the hours of 6:00 p.m. and 6:00 a.m., Monday through Sunday. During submittal and pre-construction phase, the contractor shall be allowed to field measure and review the work requirements during normal business hours, which needs to be scheduled one week in advance with the Owner.**
- J. Can you explain the requirements for the EADOC web-based construction management? I am not familiar with this. Is this something you provide access to and we respond to the requests or will this require a subscription on our part? Thank you! **A> Eadocs is a software system that the State of Iowa DAS uses to track their construction projects. The awarded contractor will be**

provided access to the site. There is no subscription or fee associated to access this system.

- K. Is there concern with the waterproofing not completely sealing the tunnel at the joint between the metal form deck and the tunnel walls? A> No, the intent of the waterproofing is for an extra layer of protection for the tunnel walls and lid from moisture in the tunnel.
- L. Is it acceptable to run new utility lines from the mechanical room to the utility chase above the ceiling? A> This is acceptable provided there is adequate ceiling plenum space to do so. There is existing ductwork and other piping in this area above the ceiling. Contractors shall field verify ceiling plenum space and proposed pipe routing.

5. APPROVED MANUFACTURERS

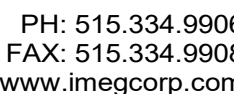
- A. None noted.

6. ATTACHMENTS

- A. Revised drawings (5 pages)
- B. Pre-bid sign-in sheet (1 page)

END OF ADDENDUM

DAS#9018.00
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LINE TYPE KEY:

—————	NEW WORK BY THIS CONTRACTOR (DARK SOLID LINE)
- - - - -	NEW WORK UNDERFLOOR OR UNDERGROUND BY THIS CONTRACTOR (DARK LONG DASHED LINE)
—————	NEW WORK BY OTHERS AND/OR EXISTING TO REMAIN (LIGHT SOLID LINE)
- - - - -	EXISTING TO BE REMOVED BY THIS CONTRACTOR (DARK SHORT DASHED LINE)

CONTRACTOR SHALL COMPLY WITH APPLICABLE CODES AND LOCAL AMENDMENTS.

BUILDING CODE:	IBC 2015 EDITION
FIRE CODE:	IFC 2015 EDITION
PLUMBING CODE:	UPC 2015
MECHANICAL CODE:	IMC 2015 EDITION
ELECTRICAL CODE:	NFPA 70 (NEC) 2014 EDITION

ABBR:	DESCRIPTION:
C.M.	CONSTRUCTION MANAGER
E.C.	ELECTRICAL CONTRACTOR
G.C.	GENERAL CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR

DESCRIPTION:	PERSON:
PROJECT MANAGER	JOHN PAUL GOEDKEN
MECHANICAL	PETER ERNZEN

TAG NAME	DESCRIPTION	MANF. & MODEL
FS-1	FLOOR SINK - CAST IRON BODY, NICKEL BRONZE RIM AND GRATE, 8" SQUARE, 3" BOTTOM OUTLET, 6" DEEP RECEPTOR WITH ALUMINUM DOME STRAINER, ACID RESISTANT COATED INTERIOR, SEEPAGE FLANGE WITH CLAMP, DEEP SEAL TRAP.	ZURN (Z1910), SMITH (31F1), WADE (W-9110), JOSAM (49300), WATTS (FS-710), SIOUX CHIEF (861-2xXFNWC), SUN (FS2300)

NOTES:

1. CAPACITY LISTED IS FOR EACH TRAP AND INCLUDES SAFETY FACTOR.
2. SIDE INLET AND OUTLET INVERTED BUCKET TRAP, 250 PSIG RATED, CAST IRON BODY, ALL INTERNAL COMPONENTS OF STAINLESS STEEL AND REPLACEABLE IN-LINE
3. STEAM SERVICE IS 25 PSIG. CONDENSATE OULET FROM TRAP IS INTENDED TO BE LIFTED OUT OF TUNNEL. FIELD VERIFY CONDENSATE LIFT REQUIREMENTS.

TAG NAME	AREA SERVED	TYPE	SAFETY FACTOR	SIZE	CAPACITY LB HR (NOTE 1)	PRESSURE DIFFERENTIAL	MANUFACTURER	MODEL	NOTES
T-1	KETTLE	I.B.	3	3/4"	750	1	SPIRAX SARCO	B SERIES	2, 3
T-2	STEAM MAIN	I.B.	2	1/2"	50	20	SPIRAX SARCO	B SERIES	2

NOT ALL SYMBOLS MAY APPLY.

SYMBOL:	DESCRIPTION:
	COLD WATER - POTABLE
	DRAIN
	NATURAL GAS
	GAS REGULATOR VENT
	HOT WATER - POTABLE
	LOW PRESSURE CONDENSATE
	LOW PRESSURE STEAM
	SANITARY DRAINAGE
	PIPE CONTINUATION
	PIPE CAP
	PIPE DOWN
	PIPE UP OR UP/DOWN
	PIPE SERVING FIXTURE ON FLOOR ABOVE (EXAMPLE: FD = FLOOR DRAIN)
	PITCH PIPE IN DIRECTION
	DIRECTION OF FLOW IN PIPE
	ROUTE TO DRAIN
	NEW CONNECTION
	UNION/FLANGE
	SHUTOFF VALVE NORMALLY OPEN
	SHUTOFF VALVE NORMALLY CLOSED
	CHECK VALVE
	SOLENOID VALVE
	PRESSURE GAUGE (FURNISHED WITH BALL VALVE)
	THERMOMETER WITH WELL (DIAL TYPE)
	THERMOMETER WITH WELL (FILLED TYPE)
	REDUCER - REFERENCE SPECIFICATION FOR CONCENTRIC/ECCENTRIC AND FOT/FOB
	PRESSURE REDUCING VALVE (LIQUID/GAS)
	"WYE" - STRAINER
	"WYE" - STRAINER W/SHUTOFF VALVE AND HOSE CONNECTION WITH CAP
	BASKET STRAINER
	STEAM TRAP (REFER TO SCHEDULE)

ABBR:	DESCRIPTION:
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
CO	CLEANOUT
MV	MIXING VALVE
NC	NEW CONNECTION
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
TYP	TYPICAL

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, PLUMBING AND PIPING.

1. DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
2. DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT THE PROJECT. REVIEW ALL DETAILS INCLUDING THE USE OF OTHER TRADES.
3. COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
4. REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
5. ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.
6. EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
7. EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
8. SEAL ALL FLOOR AND WALL PENETRATIONS AIRTIGHT WHERE PIPING PENETRATES.
9. CAULK ALL PIPE PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL AND PARTITION ASSEMBLIES.
10. WHERE PIPES AND DUCTS ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVED OPENINGS WITH THE TOP EDGE RAISED ABOVE FLOOR SURFACE IN ACCORDANCE WITH ALL APPLICABLE SPECIFICATIONS. STOP THE WORK IF THE PIPING IS NOT AIRTIGHT.
11. EQUIPMENT SIZES AND SPACE CLEARANCE REQUIREMENTS VARY AMONG DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND REQUIRED SPACE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADDS, PIPING, DUCTWORK, ETC.
12. MAINTAIN MINIMUM 3" CLEARANCE IN FRONT OF ALL ELECTRICAL PANELS, MOTOR STARTERS, SWITCHES, AND DISCONNECTS.
13. PROVIDE CONCRETE EQUIPMENT PAD FOR ALL FLOOR MOUNTED EQUIPMENT. PAD SHALL EXTEND MINIMUM 6" BEYOND ALL SIDES OF EQUIPMENT.
14. DO NOT CUT OR REMOVE FLOOR OR PIPING PENETRATING DECKING OR OTHER NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO PLUMBING AND PIPING.

1. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
2. NOT ALL EXISTING PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY THE GC OF ANY CONFLICTS WITH NEW WORK.
3. FIELD VERIFY THE AVAILABLE CLEARANCES FOR PIPING BEFORE FABRICATION, RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
4. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, REMOVAL AND PATCHING OF ROOFS, WALLS, AND FLOORS ASSOCIATED WITH WORK BY ALL CONTRACTORS.
5. ONLY NOTIFY THE GC TO NOTIFY THE GC TO NOTIFY THE GC TO NOTIFY TO BIDDING.
6. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILINGS, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK BY ALL CONTRACTORS. NOTIFY THE GENERAL CONTRACTOR OF AFFECTED AREAS PRIOR TO BIDDING.
7. WHEN EXISTING MECHANICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT OR PIPING TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, PIPING, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING MECHANICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT OR PIPING.
8. FOR TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION, MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS THAT REMAIN ACTIVE.
9. OBTAIN PERMISSION FROM OWNER A MINIMUM OF ONE WEEK BEFORE SHUTTING DOWN ANY SYSTEM FOR ANY REASON. MAINTAIN SERVICE TO ALL COMPONENTS THAT ARE TO REMAIN OPERATIONAL.
10. MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR TIE IN AND SWITCHOVER. DRAIN SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER A MINIMUM OF ONE WEEK BEFORE PARTIALLY OR COMPLETELY DRAINING SYSTEM. MAKE CHANGEOVER TO NEW SYSTEMS WITH MINIMUM OF ONE WEEK NOTICE.
11. KITCHEN SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. ALL WORK SHALL OCCUR AFTER HOURS. COORDINATE ALL REQUIRED RELOCATION OF KITCHEN EQUIPMENT WITH OWNER A MINIMUM OF ONE WEEK PRIOR TO WORK OCCURRING.
12. NORMAL KITCHEN HOURS ARE 6:00 AM TO 6:00 PM SEVEN DAYS A WEEK. ALL REQUIRED RELOCATION SHALL BE COMPLETED DURING KITCHEN HOURS TO ALLOW KITCHEN TO BE OPERATIONAL. COORDINATE ANY ADDITIONAL REQUIRED SHUTDOWNS TIMES WITH THE OWNER A MINIMUM OF ONE WEEK PRIOR TO SHUT DOWN.

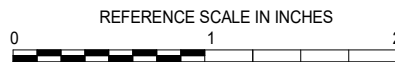
THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, PLUMBING AND PIPING.

1. REFER TO PHASING DRAWINGS FOR GENERAL DESCRIPTION OF PHASES. REFER TO ENGINEER'S INSTRUCTIONS FOR MORE DETAILS, PHASING SCHEDULES AND FOR CONCURRENT WORK. MECHANICAL DRAWINGS DEPICT THE INTENT OF THE FINAL DESIGN. FOR MECHANICAL WORK, THE MEANS AND METHODS TO MEET THE REQUIREMENTS OF THE PHASING CRITERIA.
2. REVIEW PROJECT PHASING PLANS TO COORDINATE DEMOLITION WORK, OUTAGES, ETC. WITH AFFECTED ADJACENT AREAS.
3. PROVIDE MECHANICAL WORK, PIPING, SHUTOFF VALVES, ZONE VALVES, ZONE ALARMS, ETC. AS NEEDED TO MAINTAIN SERVICE TO ALL AREAS DURING ALL PHASES OF PROJECT.
4. INSTALL TEMPORARY DUCTWORK, PIPING, SHUTOFF VALVES, ETC. AS NECESSARY TO KEEP ALL OCCUPIED SPACES OPERATIONAL THROUGHOUT ALL PHASES OF THE PROJECT
5. PHASE DEMOLITION WORK TO MINIMIZE DOWNTIME.

1. THE SYMBOLS AND THE MATERIAL LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL VERIFY QUANTITIES AND FURNISH ALL MATERIALS REQUIRED FOR FULL OPERATIONAL SYSTEMS, WHETHER SPECIFIED OR NOT.
2. CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE, BUT ARE GIVEN AS AN AID TO THE CONTRACTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE QUALITY. THE CONTRACTOR IS RESPONSIBLE FOR A COMPLETE DESCRIPTION OF MATERIAL ON THESE DRAWINGS AND IN THE SPECIFICATIONS BEFORE ORDERING. THE DESCRIPTION OF THE MATERIAL TAKES PRECEDENCE OVER THE CATALOG NUMBER. THE FIRST MANUFACTURER LISTED IS THE BASIC DESIGNATION.
3. CONTRACTOR SHALL VERIFY THAT FIXTURES SUPPLIED ARE APPROVED PER ALL APPLICABLE STATE, LOCAL AND GOVERNING AUTHORITIES.
4. ALL FIXTURES SHALL CONFORM TO FEDERAL AC. S.3874
5. VERIFY UNDERGROUND PIPE SIZES, INVERT ELEVATIONS, AND LOCATIONS PRIOR TO BEGINNING ANY WORK.
6. EXISTING CONDITIONS ON DEMOLITION PLANS ARE PROVIDED TO INDICATE THE GENERAL SCOPE OF ITEMS TO BE REMOVED. REFER TO SPECIFICATION SECTION 22 05 05 FOR ADDITIONAL DEMOLITION INFORMATION.
7. P.C. SHALL CUT AND PATCH EXISTING AS REQUIRED FOR NEW OR DEMOLITION WORK UNLESS NOTED OTHERWISE. REFER TO SPECIFICATION SECTION 22 05 05 FOR ADDITIONAL INFORMATION.

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REVISIONS

No.	Date	Revision / Issue
1	10/25/2018	ADDENDUM #1

SHEET INFORMATION

Issue	ISSUED FOR BID
Date	OCTOBER 5, 2018
Job Number	18002374.00
Drawn	PJE
Checked	NKJ
Approved	NKJ

SHEET TITLE

MECHANICAL COVERSHEET

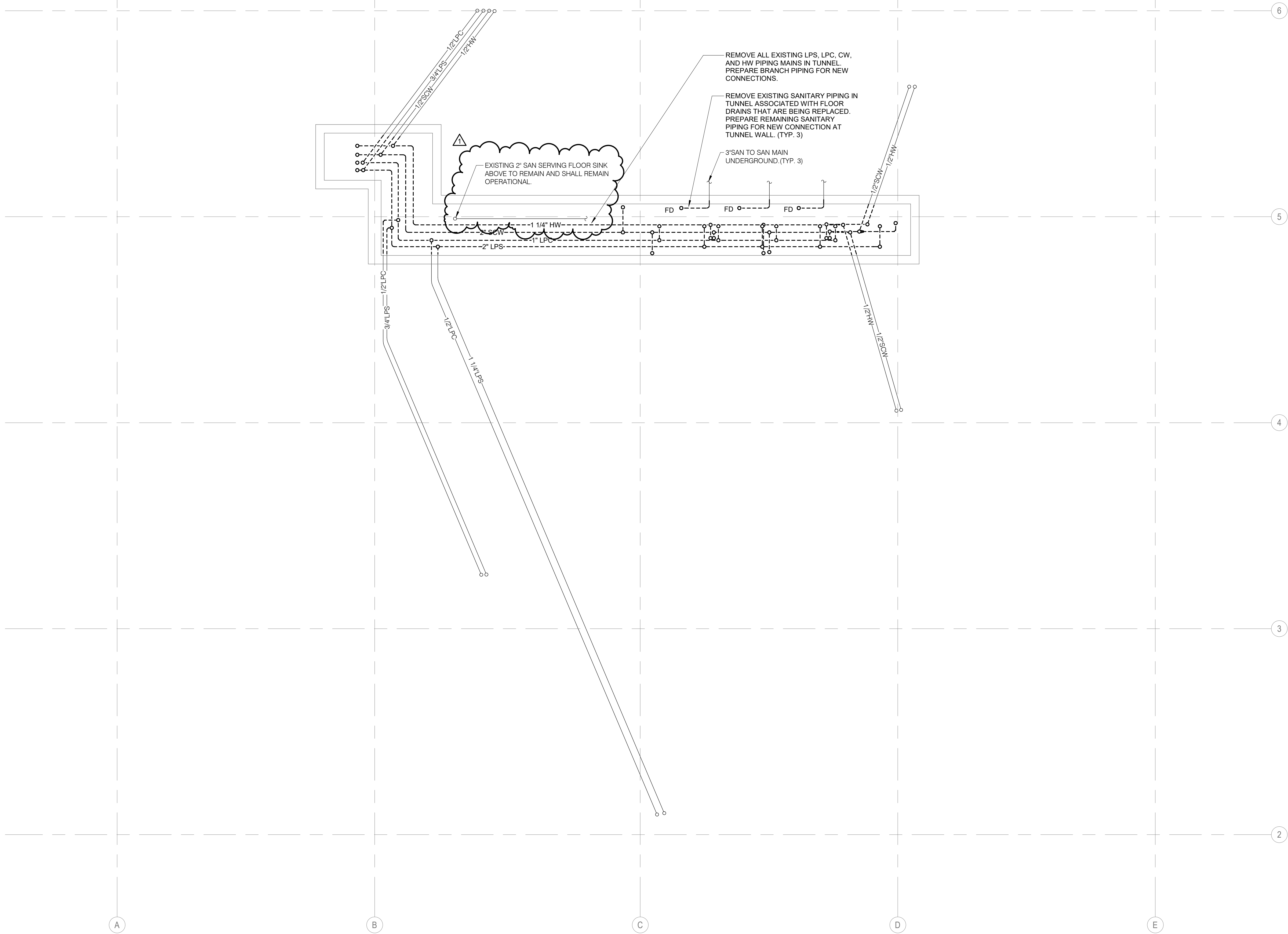
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SHEET NUMBER

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- GENERAL SHEET NOTES:**
1. REFER TO PHASING DRAWINGS G1.0 - G1.2 FOR DESCRIPTION OF PROJECT PHASING.
 2. MECHANICAL DRAWINGS DEPICT THE INTENT OF THE FINAL DESIGN. THE MECHANICAL DRAWINGS DO NOT DEPICT THE MEANS AND METHODS TO MEET THE REQUIREMENTS OF THE PHASING CRITERIA.
 3. KITCHEN SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. ALL WORK SHALL OCCUR AFTER HOURS.

GRC - KITCHEN TUNNEL REPAIR

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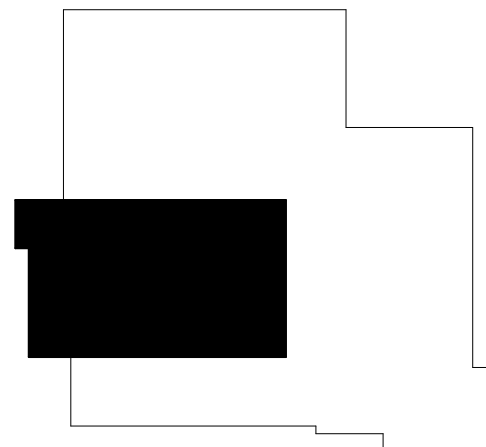
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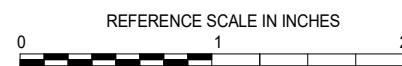
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KEY PLAN



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TUNNEL FLOOR PLAN - MECHANICAL

SCALE

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

SHEET NUMBER

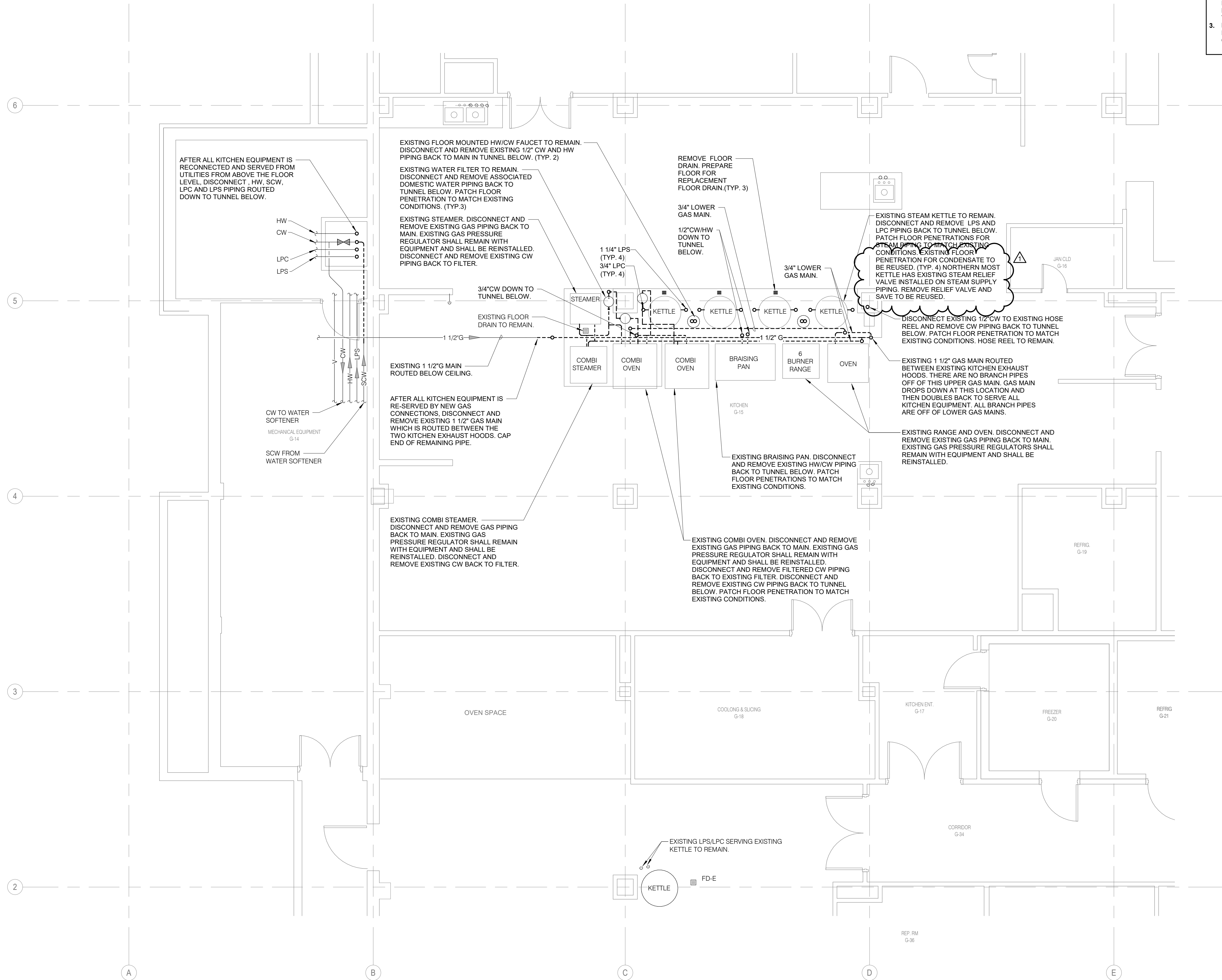
MD1.0



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TUNNEL FLOOR PLAN - MECHANICAL - DEMOLITION

1/4" = 1'-0"



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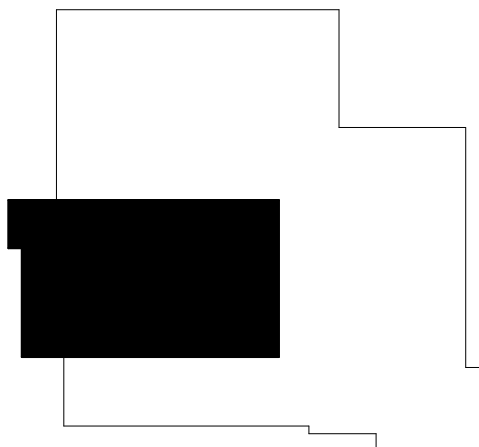
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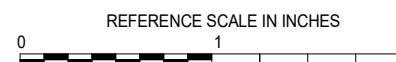
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FIRST FLOOR PLAN - MECHANICAL

SCALE

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

SHEET NUMBER

MD1.1

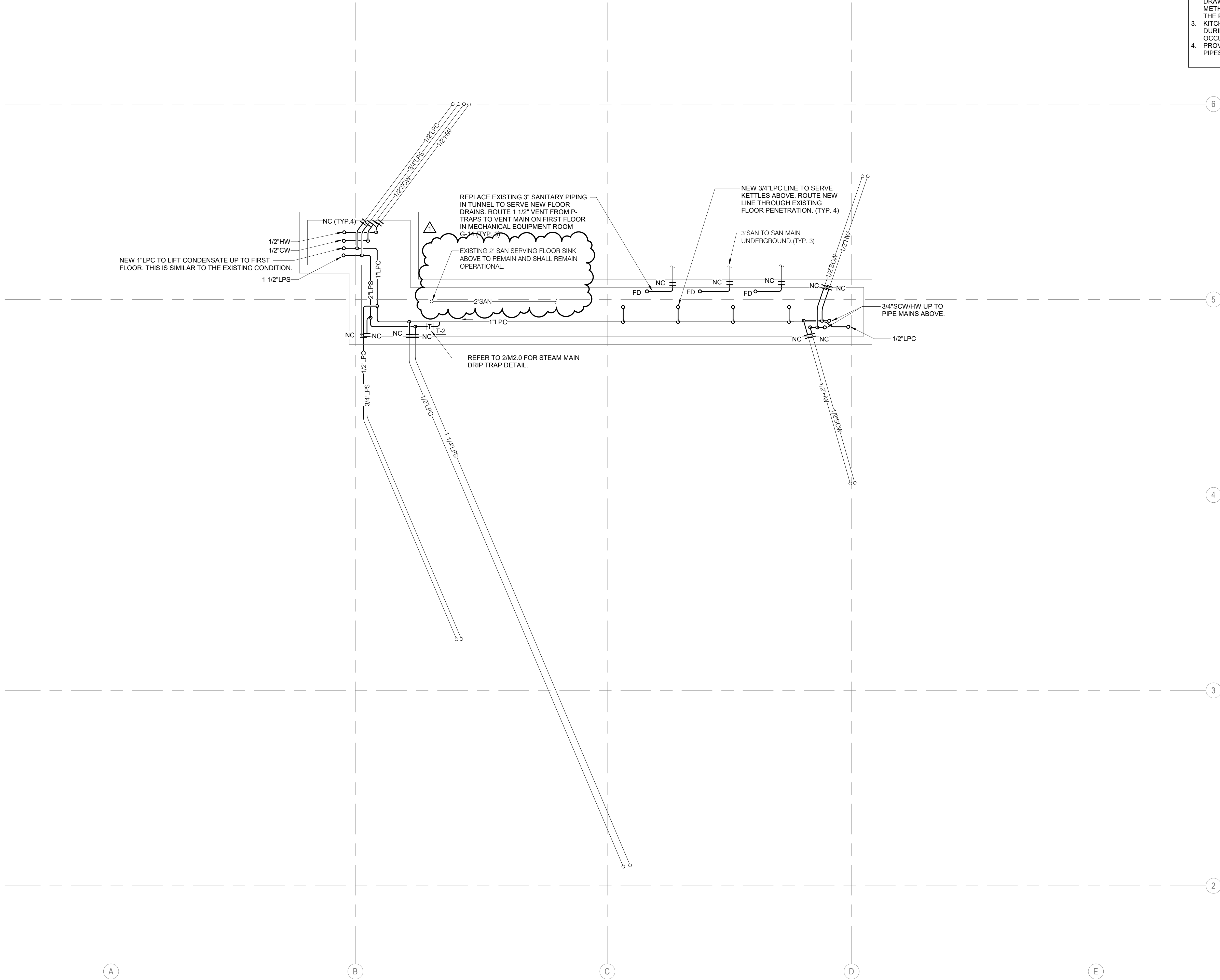


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FIRST FLOOR PLAN - MECHANICAL - DEMOLITION

1/4" = 1'-0"

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 4. PROVIDE ISOLATION VALVES ON ALL BRANCH PIPES.

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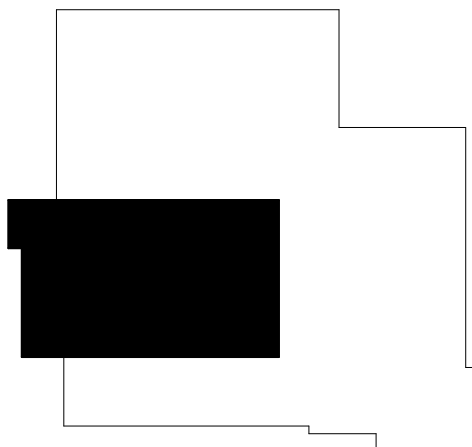
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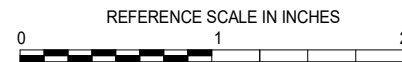
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TUNNEL FLOOR PLAN - MECHANICAL

SCALE

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

SHEET NUMBER

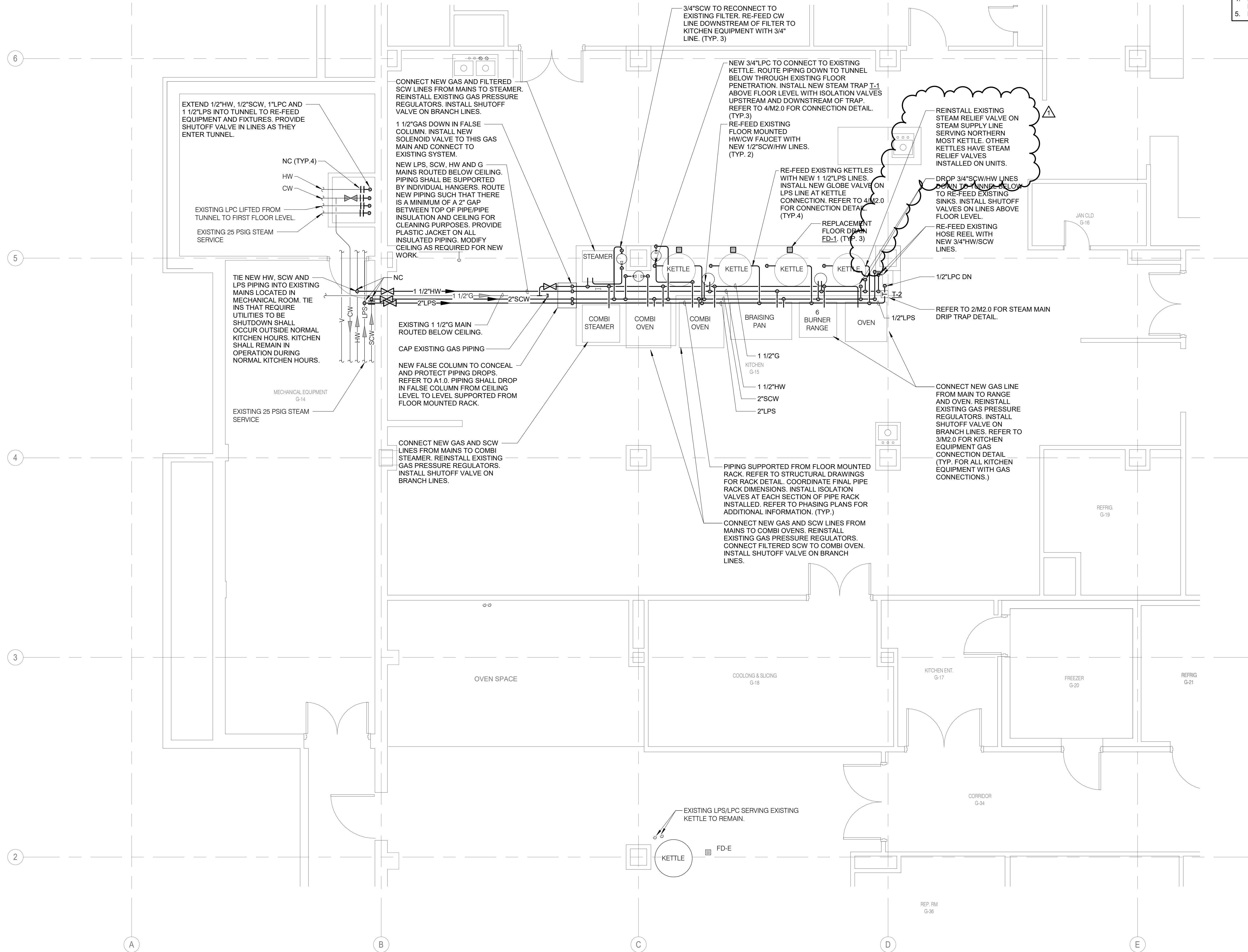
M1.0



1

TUNNEL FLOOR PLAN - MECHANICAL

1/4" = 1'-0"



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 3. KITCHEN SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. ALL WORK SHALL OCCUR AFTER HOURS.
 4. PROVIDE ISOLATION VALVES ON ALL BRANCH PIPES AND AT ALL EQUIPMENT CONNECTIONS.
 5. REFER TO 1/M2.0 FOR PIPE SUPPORT DETAIL.

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GLENWOOD, IOWA

GLENWOOD RESOURCE CENTER

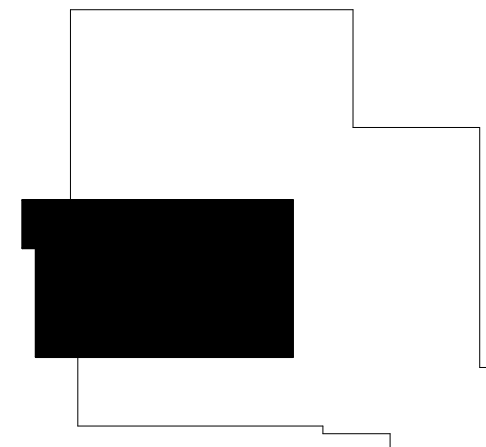
DAS#9018.00
RFB#0919335025



2882 106TH STREET
DES MOINES, IA
50322

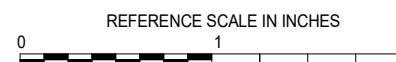
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KEY PLAN



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REVISIONS

No.	Date	Revision / Issue
1	10/25/2018	ADDENDUM #1

SHEET INFORMATION

Issue	ISSUED FOR BID
Date	OCTOBER 5, 2018
Job Number	18002374.00
Drawn	PJE
Checked	NKJ
Approved	NKJ

SHEET TITLE

FIRST FLOOR PLAN - MECHANICAL

SCALE

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

SHEET NUMBER

M1.1

