

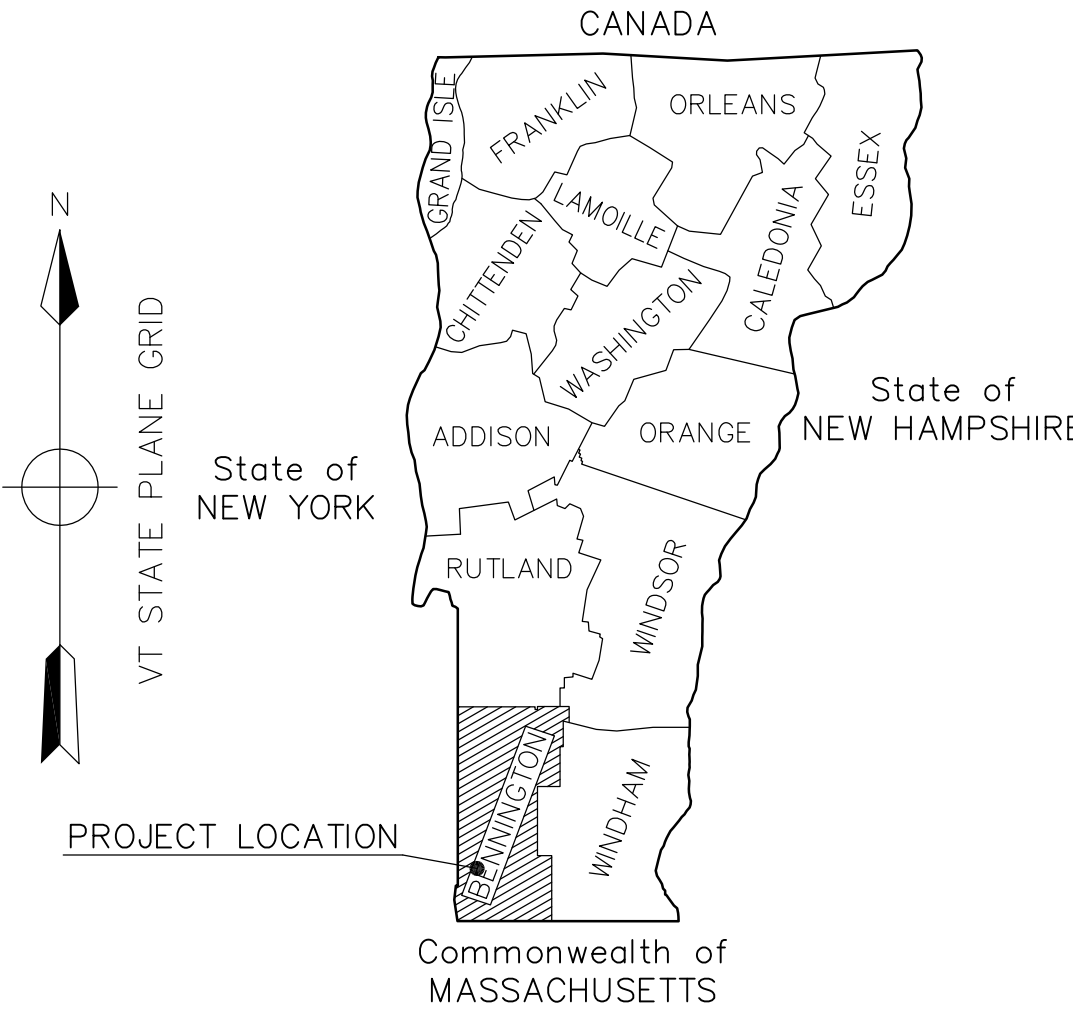
State of Vermont
Department of Buildings & General Services
VERMONT VETERANS HOME
KITCHEN RENOVATION PROJECT

325 NORTH STREET
BENNINGTON, VERMONT
FEDERAL IDENTIFIER FAI #50-012

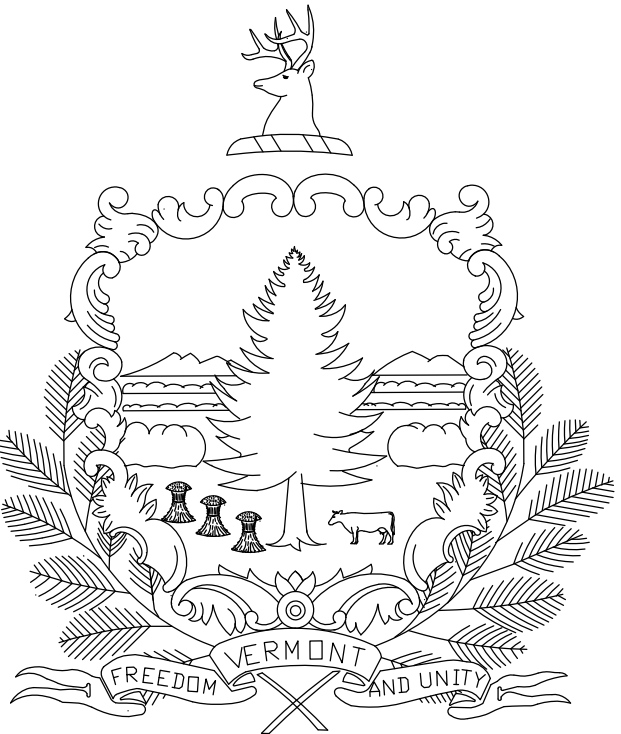
AGENCY OF ADMINISTRATION
DEPT. OF BUILDINGS & GENERAL SERVICES
2 GOVERNOR AIKEN AVENUE
MONTPELIER, VERMONT 05633-5801
MICHAEL J. OBUCHOWSKI, COMMISSIONER

SUBMISSION: JANUARY 26, 2016

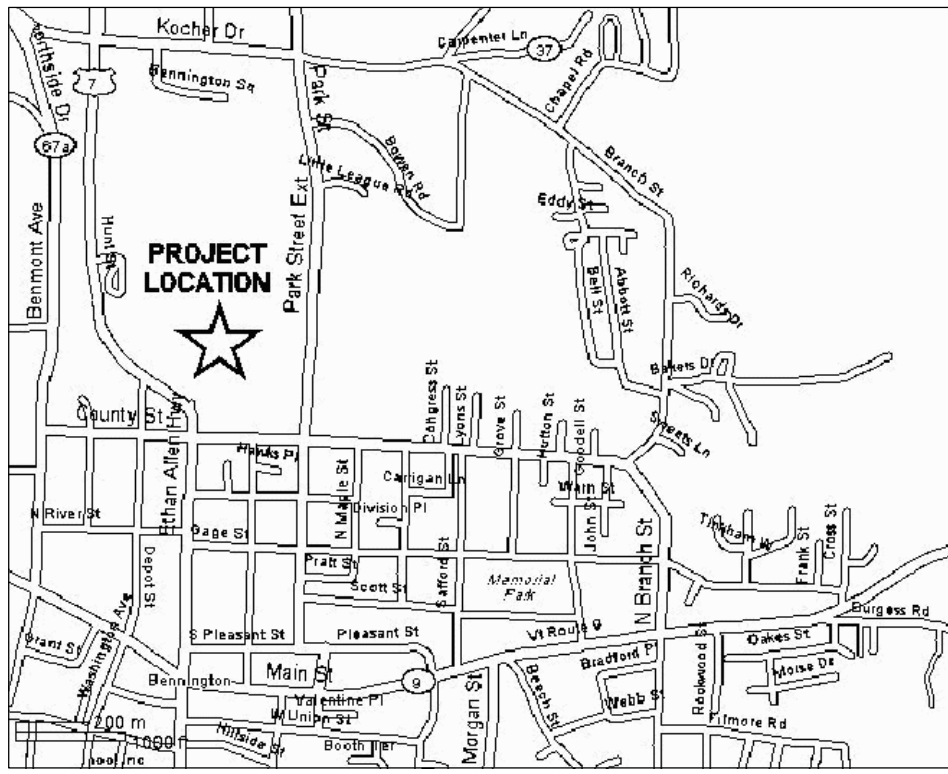
BID SET



STATE LOCATION
N.T.S.



Peter Shumlin
Governor
JANUARY 26, 2016



PROJECT LOCATION
N.T.S.

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ABBREVIATIONS	GENERAL NOTES	SPECIFICATION NOTES	SHEET INDEX
ACF ACT AFF ALUM. APPROX BIT B.O. BOTT BM CI CB CL CLOS. CMU C.O. CONC CONG. CONST CONT / CONT'. CS CT DEDUCT. ALT. DIAM. DN EC EIFS E.J. ELC EL OR ELEV ENGR EQ EX'G , EXT'G EXT FD FF FIN FL FLEX FOUND. / FNDN. FP FPC FSC FT F.V. G.A. GALV. GL GPM GRND GWB GWC GYP. BD. HORIZ. I.L.O. IN. INFO INSUL. INV J.C. MAT'L MAX MC MDP MECH. MEDS. MEP MFR MIL MIN M.O. MTL. NO. NTS OC OD OPP PC P-LAM. POLY. P.R. PT PSI PVC RAD. REINF. REQ'D R.O. RUB. R.V.S. S.O.G. SPEC SPF SR SS STL. STOR. SV TELE TERR. THK T.O. T.O.S. TP T.R. TYP. UON VAT V.B. VCT VERT. VNC WC WCHR. WD WRB	<p>THE FOLLOWING NOTES SHALL APPLY THROUGHOUT, ANY EXCEPTIONS ARE SPECIFICALLY NOTED ON EACH DRAWING.</p> <p>1. THESE CONTRACT DOCUMENTS HAVE BEEN BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. PRIOR TO BID THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS OF THE SITE AND/OR BUILDING.</p> <p>2. CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, TOOLS NECESSARY FOR PROPER EXECUTION OF WORK. THE CONTRACTOR SHALL, UNLESS OTHERWISE PROVIDED IN CONTRACT DOCUMENTS, SECURE AND PAY FOR THE REQUIRED PERMIT(S), FEES, LICENSES AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION OF THE WORK.</p> <p>3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH WORK. ANY WORK STARTED BEFORE CONSULTATION AND ACCEPTANCE BY THE ARCHITECT/ENGINEER SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE SUBJECT TO CORRECTIONS BY HIM WITHOUT ADDITIONAL COMPENSATION.</p> <p>4. DAMAGE CAUSED BY EXECUTION OF THIS CONTRACT, TO EXISTING STRUCTURE NOT SLATED FOR DEMOLITION SUCH AS PIPES, DUCTS, WINDOWS, WALLS, ROOFING ETC. SHALL BE REPAIRED TO ORIGINAL CONDITION OR REPLACED BY THE CONTRACTOR AT NO EXTRA CHARGE TO THE OWNER.</p> <p>5. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE PROPER INSTALLATION AND COMPLETION OF THE WORK WITH APPROVED MATERIALS.</p> <p>6. ALL WORKMANSHIP, MATERIALS AND ASSEMBLIES SHALL BE OF FIRST QUALITY CONSTRUCTION.</p> <p>7. PERFORM ALL REMOVAL WORK AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PERFORM THE WORK. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF DEBRIS IN ACCORDANCE WITH THE SPECIFICATIONS, AND ALL APPLICABLE LAWS AND REGULATIONS.</p> <p>8. ALL WORK SHALL CONFORM TO ALL APPLICABLE REQUIREMENTS OF LOCAL GOVERNING CODES, STATE CONSTRUCTION CODES, HEALTH CODES, FIRE DEPARTMENT REGULATIONS, NFPA AND UTILITY CODES AND OSHA CODES.</p> <p>9. DRAWINGS SHALL NOT BE SCALED. USE DIMENSIONS ONLY. ALL DIMENSIONS AND CONDITIONS SHOWN AND ASSUMED ON THE DRAWINGS MUST BE VERIFIED AT THE SITE BY THE CONTRACTOR BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK. ANY DISCREPANCIES OR ERRORS IN THE PLANS, SPECIFICATIONS, AND/OR DETAILS SHALL BE REPORTED TO THE ARCHITECT/ENGINEER AT ONCE. NO CHANGE IN PLANS, DETAILS OR DIMENSIONS IS PERMISSIBLE WITHOUT THE APPROVAL OF THE ARCHITECT.</p> <p>10. CONTRACTOR SHALL RELOCATE/MODIFY AND PATCH ANY EXISTING ITEMS INTERFERING WITH THE INSTALLATION OF NEW WORK WHETHER SHOWN OR NOT ON THESE DRAWINGS.</p> <p>11. ANY EXISTING WORK DAMAGED DUE TO THE FIXING/REPLACEMENT AND OTHER RELATED WORK SHALL BE PATCHED, REPAIRED, REFINISHED, ETC. BY THE CONTRACTOR TO MATCH EXISTING FINISHES.</p> <p>12. CONTRACTOR SHALL MAINTAIN FREE AND UNOBSTRUCTED ACCESS FROM ALL FLOORS AND ADJACENT SPACES INTO EXISTING FIRE STAIRS TO OUTSIDE OF BUILDING AT ALL TIMES.</p> <p>13. PROVIDE GUARDS, RAILS, BARRICADES, FENCES, SIDENALK SHEDS, CATCH PLATFORMS, DECKING, NIGHT LIGHTING, ETC., AS REQUIRED BY CODE AND AS FURTHER REQUIRED TO PROVIDE ADEQUATE PROTECTION TO ENSURE THE SAFETY OF THE BUILDING OCCUPANTS AND GENERAL PUBLIC. CONTRACTOR SHALL KEEP WORK SITE FREE FROM DEBRIS AND ACCUMULATED REFUSE, AND SHALL HAVE SOLE RESPONSIBILITY FOR PROTECTING ALL DANGEROUS AREAS FROM ENTRY BY UNAUTHORIZED PARTIES. SITE SHALL BE LEFT BROOM CLEAN AT THE END OF EACH WORKING DAY.</p> <p>15. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER AND ACCEPTABLE CONSTRUCTION, INSTALLATION OR OPERATION OF ANY PART OF THE WORK AS DETERMINED BY THE ARCHITECT/ENGINEER SHALL BE INCLUDED IN THE WORK IN THE SAME MANNER AS IF HEREIN SPECIFIED OR INDICATED.</p> <p>OCCUPANT PROTECTION NOTES</p> <p>THE CONTRACTOR SHALL PROVIDE AN OCCUPANT PROTECTION PLAN WHICH SHALL MAKE PROVISIONS FOR:</p> <p>EGRESS AT ALL TIMES IN THE COURSE OF CONSTRUCTION MAKE PROVISION FOR ADEQUATE EGRESS, AS REQUIRED BY THE CODE. REQUIRED EGRESS MUST NOT BE OBSTRUCTED AT ANY TIME.</p> <p>FIRE SAFETY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ALL GOVERNMENTAL AGENCIES, ALL NECESSARY LAWS AND CONTROLS, AS WELL AS ANY ADDITIONAL SAFETY MEASURES NECESSITATED BY THE CONSTRUCTION SHALL BE STRICTLY OBSERVED.</p> <p>HEALTH REQUIREMENTS PROVISION FOR CONTROL OF DUST, DISPOSAL OF CONSTRUCTION DEBRIS, PEST CONTROL AND MAINTENANCE OF SANITARY FACILITIES AND LIMITATION OF NOISE TO ACCEPTABLE LEVELS SHALL BE INCLUDED AS PART OF THE CONTRACT.</p> <p>SERVICES CONTINUATION OF ESSENTIAL SERVICES AS REQUIRED BY THE VERMONT FIRE & BUILDING SAFETY CODE, SHALL BE MAINTAINED DURING CONSTRUCTION.</p> <p>HEAT AND AIR CONDITIONING CONTRACTOR SHALL MAINTAIN HEAT AND AIR CONDITIONING IN ALL OCCUPIED SPACES AT ALL TIMES.</p>	<p>1. SPECIFICATIONS: THE FOLLOWING SPECIFICATIONS, SEPARATELY BOUND, APPLY TO THE WORK OF THIS PROJECT: KITCHEN RENOVATION PROJECT - BID SET, SUBMISSION JANUARY 26, 2016</p> <p>2. DEMOLITION / ALRTERATION NOTES: A. REFER TO SPECIFICATION SECTION 02070 FOR ADDITIONAL RELATED INFORMATION. B. PRIOR TO COMMENCEMENT OF DEMOLITION WORK, THOROUGHLY INSPECT AND EXAMINE THE BUILDING AND PREMISE FOR ANY HAZARDOUS MATERIALS. IF ANY HAZARDOUS MATERIAL IS FOUND, CONTACT THE OWNER, COMPLY WITH ALL APPLICABLE REGULATIONS, LAWS AND ORDINANCES CONCERNING REMOVAL, HANDLING AND PROTECTION AGAINST EXPOSURE OR ENVIRONMENTAL POLLUTION. C. ALL ALTERATION-DEMOLITION WORK SHALL BE PERFORMED WITHIN TEMPORARY DUSTPROOF ENCLOSURES OR BEHIND TEMPORARY DUSTPROOF PARTITIONS COMPLETELY SEPARATING THE WORK AREAS FROM THE OCCUPIED AREAS. DUST WILL NOT BE ALLOWED IN ANY OCCUPIED AREAS. DUSTPROOF PARTITIONS OR ENCLOSURE CONSTRUCTION, LOCATION, COORDINATION, AND REMOVAL SHALL MEET THE OWNER'S APPROVAL. ENCLOSURES AND/OR PARTITIONS SHALL BE SECURE, DUSTPROOF, SMOOTH, FINISHED, AND FREE OF ANY PROTRUBANCE THAT COULD CAUSE INJURY TO THE OCCUPANTS OF THE FACILITY. D. INTERIOR FINISHES SHALL BE CUT AND PATCHED TO MATCH AS REQUIRED FOR THE DEMOLITION AND INSTALLATION OF THE NEW WORK AS SHOWN ON THE DRAWINGS AND CALLED FOR IN THE SPECIFICATIONS. PATCHING WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE BEST TRADE PRACTICES AND THE MANUFACTURER'S RECOMMENDATIONS. NEW MATERIALS SHALL MATCH THE EXISTING IN ALL RESPECTS - MATERIAL, QUALITY, COLOR, SIZE, FINISH, ETC. MEETING THE ARCHITECT'S APPROVAL. E. WHERE EXISTING FINISHES ARE DAMAGED, OR OTHERWISE ADVERSELY AFFECTED BY THE WORK (DEMOLITION AND INSTALLATION), SUBSTRATES AND FINISHES SHALL BE PATCHED, REPAIRED, AND REFINISHED AS REQUIRED FOR COMPLETE AND FINISHED JOB TO MATCH EXISTING ADJACENT CONSTRUCTION AND FINISHES. PC, FPC, MC, EC, & FSC SHALL DO ALL CORE DRILLING REQUIRED FOR THEIR INSTALLATIONS. THE CUTTING AND PATCHING OF ALL OTHER BUILDING CONSTRUCTION REQUIRED FOR THE MECHANICAL AND ELECTRICAL DEMOLITION, ALTERATIONS, AND INSTALLATIONS SHALL BE DONE BY THE GC. ALL FINISHES SHALL BE PATCHED AND INSTALLED WITH BEST TRADE PRACTICES AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS. ALL FINISH COLORS / PATTERNS SHALL BE APPROVED BY THE ARCHITECT. PATCHING OF FINISHES SHALL INCLUDE, BUT NOT BE LIMITED TO: • DEMOWALL REMOVE AND REINSTALL, OR REPLACE WITH NEW TO MATCH EXISTING. PROVIDE FRAMING/BLOCKING AS REQUIRED FOR SECURE ATTACHMENT OF DRYWALL PATCH, TAPE AND SPACKLE ALL JOINTS, SPACKLE, SAND, AND PREP SURFACES AS REQUIRED FOR SMOOTH BLEND INTO EXISTING ADJACENT SURFACES. PAINT PATCHED DRYWALL AREA AS REQUIRED. • GYPSUM PLASTER REMOVE AND PATCH EXISTING GYPSUM PLASTER TO MATCH EXISTING IN TERMS OF THICKNESS, STRENGTH, AND SURFACE FINISH. GYPSUM PLASTER SHALL BE 3 COAT WORK, COMPRISING OF SCRATCH, BROWN, AND FINISH COAT PLASTERING MATERIALS AS MANUFACTURED BY USG. CONTRACTOR SHALL SEE THAT ALL GROUNDS, SCREEDS, LATH, CORNER BEADS, AND METAL TRIM ARE SECURED IN PLACE. CONTRACTOR SHALL SUBMIT PROPOSED LIST OF PLASTER MATERIALS, LATH, AND TRIM ACCESSORIES, INCLUDING MANUFACTURER'S SPECIFICATIONS, FOR ARCHITECT'S APPROVAL. PAINT PATCHED GYPSUM PLASTER AREA AS REQUIRED. • VINYL WALL COVERINGS REPLACE DAMAGED OR MISSING VINYL WALL COVERING WITH NEW VINYL WALL COVERING TO MATCH EXISTING. PROVIDE HAIRLINE BUTT-JOINT SEAMS WHERE EXACT MATCH IS NOT AVAILABLE, OR WHERE EXISTING VINYL WALL COVERINGS HAVE PREVIOUSLY BEEN PAINTED, REPLACE WITH CLOSEST AVAILABLE MATCHING TEXTURE VINYL WALL COVERING AND PAINT NEW AND EXISTING VINYL WALL COVERINGS ON THAT WALL AS REQUIRED. WHERE ADJACENT EXISTING VINYL WALL COVERING MATERIAL IS DAMAGED "CURLING", OR OR NOT COMPLETE, EXISTING VINYL WALL COVERING MATERIAL SHALL BE REMOVED BACK TO A LOGICAL "LINE" AND PATCHED WITH NEW VINYL WALL COVERING CONSISTENT WITH PATCH AREA. • PAINT PREP AND PAINT NEW AND EXISTING SURFACES AS REQUIRED. COLORS SHALL MATCH EXISTING ADJACENT SURFACES. PAINT ENTIRE SURFACE TO THE CLOSEST EDGE OR CORNER. • ACOUSTICAL CEILING (ACT) REMOVE AND REINSTALL EXISTING ACOUSTICAL CEILING TILES AS REQUIRED. REPLACE MISSING OR DAMAGED CEILING TILES AND SUSPENSION SYSTEM GRID COMPONENTS WITH NEW TO MATCH EXISTING. PAINT EXPOSED SURFACES OF TILES AND GRID MEMBERS TO MATCH EXISTING WHERE APPLICABLE. • RUBBER WALL BASE REPLACE DAMAGED OR MISSING RUBBER BASE WITH NEW TO MATCH EXISTING. • VINYL COMPOSITION FLOOR TILE (VCT) REPLACE DAMAGED OR MISSING VINYL COMPOSITION FLOOR TILES WITH NEW VINYL COMPOSITION FLOOR TILE TO MATCH EXISTING. REMOVE AND REPLACE TO NEAREST FULL TILE JOINT. (NOTE: ASBESTOS CONTAINING FLOOR TILE AND ADHESIVES SHALL BE REMOVED BY THE ASBESTOS ABATEMENT CONTRACTOR.) • CARPET REMOVE AND REINSTALL EXISTING CARPET WHERE APPLICABLE. REPLACE DAMAGED OR MISSING CARPET WITH NEW TO MATCH EXISTING. CUT AND PATCH AREA SHOULD BE AS REQUIRED TO ACHIEVE LEAST NOTICEABLE JOINT WITH CONSIDERATION TO THE MATERIAL'S PROPERTIES AND VISUAL PATTERNS. • CERAMIC TILE (C.T.) REMOVE AND REPLACE EXISTING DAMAGED OR MISSING FLOOR AND WALL CERAMIC TILE WITH NEW CERAMIC TILE TO MATCH EXISTING. REMOVE AND REPLACE TO NEAREST FULL TILE JOINT. GROUT JOINTS AS REQUIRED TO MATCH EXISTING. • MEMBRANE ROOFING THE EXISTING MEMBRANE ROOFING IN THE PROJECT AREA IS UNDER WARRANTY. CUTTING AND PATCHING SHALL BE PERFORMED BY QUALIFIED CONTRACTORS MEETING THE ROOFING MANUFACTURER'S APPROVAL. PRIOR TO THE START OF WORK OR ORDER OF MATERIALS, THE CONTRACTOR SHALL SUBMIT FOR THE ARCHITECTS APPROVAL, A LETTER FROM THE MANUFACTURER CERTIFYING THAT THE CONTRACTOR IS QUALIFIED TO PERFORM THE MEMBRANE ROOFING WORK. SHEET METAL WORK SHALL BE IN ACCORDANCE WITH SMACNA STANDARDS AND THE ROOFING MANUFACTURER'S REQUIREMENTS.</p> <p>3. ALLOWANCES: REFER TO SPECIFICATIONS SECTION 01040 FOR DESCRIPTION OF THE FOLLOWING ALLOWANCES. A. EXISTING STRUCTURAL REPAIRS ALLOWANCE.</p> <p>4. MAIN KITCHEN FLOOR TILE CLEANING: A. UPON COMPLETION OF THE MAIN KITCHEN RENOVATION WORK, THE QUARRY TILE FLOORING SHALL BE DEEP CLEANED WITH AN ALKALI-BASED COMMERCIAL GRADE RESTORATION CLEANER - ECOLAB PINNACLE INTENSIVE TILE CLEANER, OR AN APPROVED EQUAL. CLEANING SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.</p> <p>5. MARKERBOARDS AND TACKBOARDS¹ A. MARKERBOARDS SHALL BE THE LCS DELUXE MODELS WITH 3/4" FACE TRIM AND NO MAP RAIL BY CLARIDGE PRODUCTS, OR AN APPROVED EQUAL. PROVIDE IN THE ROOMS AS FOLLOWS: ROOM 160: (1) 3'X 4' MODEL LCS2034; ROOM 162: (1) 3'X 4' MODEL LCS2034; ROOM 164: (1) 3'X 4' MODEL LCS2034; ROOM 168A: (1) 4' X4' MODEL LCS2044 SUBMIT PRODUCT DATA FOR APPROVAL. INSTALL WITH ANGLE CLIPS AND ADHESIVE PER MANUFACTURER'S RECOMMENDATIONS. B. TACKBOARD IN KITCHEN CORRIDOR 168A SHALL BE 800 SERIES TYPE CO IN FABRICORK WITH 3/4" FACE TRIM BY CLARIDGE PRODUCTS, OR AN APPROVED EQUAL. COLOR SHALL BE SELECTED BY THE ARCHITECT FROM THE MANUFACTURER'S FULL LINE OF AVAILABLE COLORS. SIZE 4' X 4', MODEL 844F. SUBMIT PRODUCT DATA FOR APPROVAL. INSTALL WITH ANGLE CLIPS AND ADHESIVE PER MANUFACTURER'S RECOMMENDATIONS.</p>	<p>COVER G1.0 GENERAL INFORMATION KP FACILITY KEY PLAN</p> <p>DEMOLITION / ALTERATION D1.1 MAIN KITCHEN DEMOLITION / ALTERATION PLANS D1.2 COUNTRY KITCHEN DEMOLITION / ALTERATION PLANS</p> <p>ARCHITECTURAL A1.1 MAIN KITCHEN FLOOR PLAN A1.2 COUNTRY KITCHEN FLOOR PLANS A1.3 ROOF PLAN / TEMPORARY KITCHEN PLAN A1.4 REFLECTED CEILING PLANS A2.1 BUILDING ELEVATIONS A2.2 INTERIOR ELEVATIONS A2.3 INTERIOR ELEVATIONS A3.1 SECTIONS AND DETAILS A3.2 SECTIONS, DETAILS AND WALL TYPES A3.3 SECTIONS AND DETAILS A4.1 SCHEDULES AND DOOR DETAILS</p> <p>KITCHEN EQUIPMENT FS-1 MAIN KITCHEN AND PATRIOT HALL COUNTRY KITCHEN EQUIPMENT PLAN FS-2 SATELLITE COUNTRY KITCHEN EQUIPMENT PLANS FS-3 MAIN KITCHEN EXISTING EQUIPMENT PLAN</p> <p>PLUMBING PD-1 PARTIAL BASEMENT KITCHEN AREA WASTE & VENT PIPING DEMOLITION PLAN PD-2 PARTIAL BASEMENT & MAIN LEVEL KITCHEN AREA DEMOLITION PLAN P-1 SYMBOLS LIST & DETAILS P-2 PARTIAL BASEMENT KITCHEN AREA WASTE AND VENT PIPING PLAN P-3 PARTIAL BASEMENT KITCHEN AREA WATER & GAS PIPING PLAN P-4 PARTIAL BASEMENT A & B-WING KITCHEN AREA WASTE, VENT, WATER & GAS PIPING PLANS P-5 PARTIAL BASEMENT NORTH WING KITCHEN AREA WASTE, VENT, WATER & GAS PIPING PLAN P-6 PARTIAL MAIN LEVEL KITCHEN AREA WASTE, VENT, WATER & GAS PIPING PLAN P-7 PARTIAL MAIN LEVEL SATELLITE SERVING AREA WASTE, & VENT, & WATER PIPING PLANS</p> <p>FIRE PROTECTION FP-1 SYMBOLS LIST & DETAILS FP-2 PARTIAL MAIN LEVEL KITCHEN SPRINKLER PIPING PLAN</p> <p>MECHANICAL MD-1 PARTIAL MAIN LEVEL KITCHEN DEMOLITION PLAN M-0 SYMBOLS LIST, & DETAILS M-1 SCHEDULES M-2 PARTIAL BASEMENT LEVEL KITCHEN MECHANICAL PLAN M-3 PARTIAL MAIN LEVEL KITCHEN DUCTWORK PLAN M-4 PARTIAL MAIN LEVEL KITCHEN EQUIPMENT AND PIPING PLAN M-5 PARTIAL MAIN LEVEL SATELLITE SERVING AREA MECHANICAL PLANS M-6 PARTIAL ROOF MECHANICAL PLAN</p> <p>ELECTRICAL ED-1 PARTIAL MAIN LEVEL KITCHEN DEMOLITION PLAN E-1 SYMBOLS LIST, LIGHTING FIXTURE SCHEDULE & DETAILS E-2 PARTIAL MAIN LEVEL KITCHEN LIGHTING PLAN E-3 PARTIAL MAIN LEVEL KITCHEN UTILITY PLAN E-4 PARTIAL MAIN LEVEL KITCHEN EQUIPMENT UTILITY PLAN E-5 PARTIAL MAIN LEVEL SATELLITE SERVING AREA UTILITY PLANS E-6 PANEL SCHEDULES E-7 DETAILS</p>

VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT

GENERAL INFORMATION

#50-012

DATE: JAN. 26, 2016

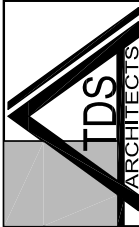
VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT

GENERAL INFORMATION

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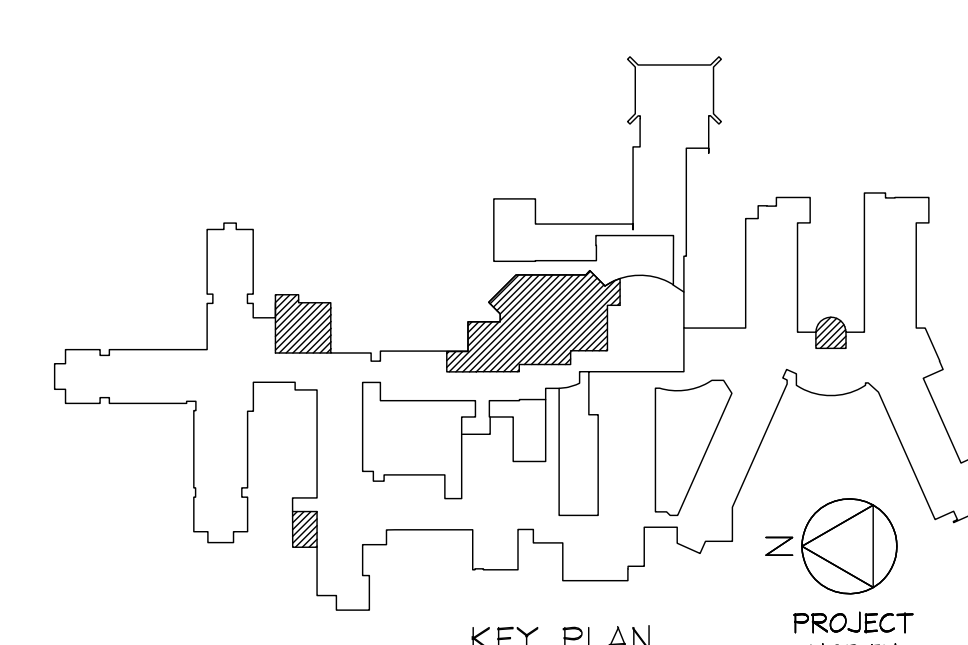
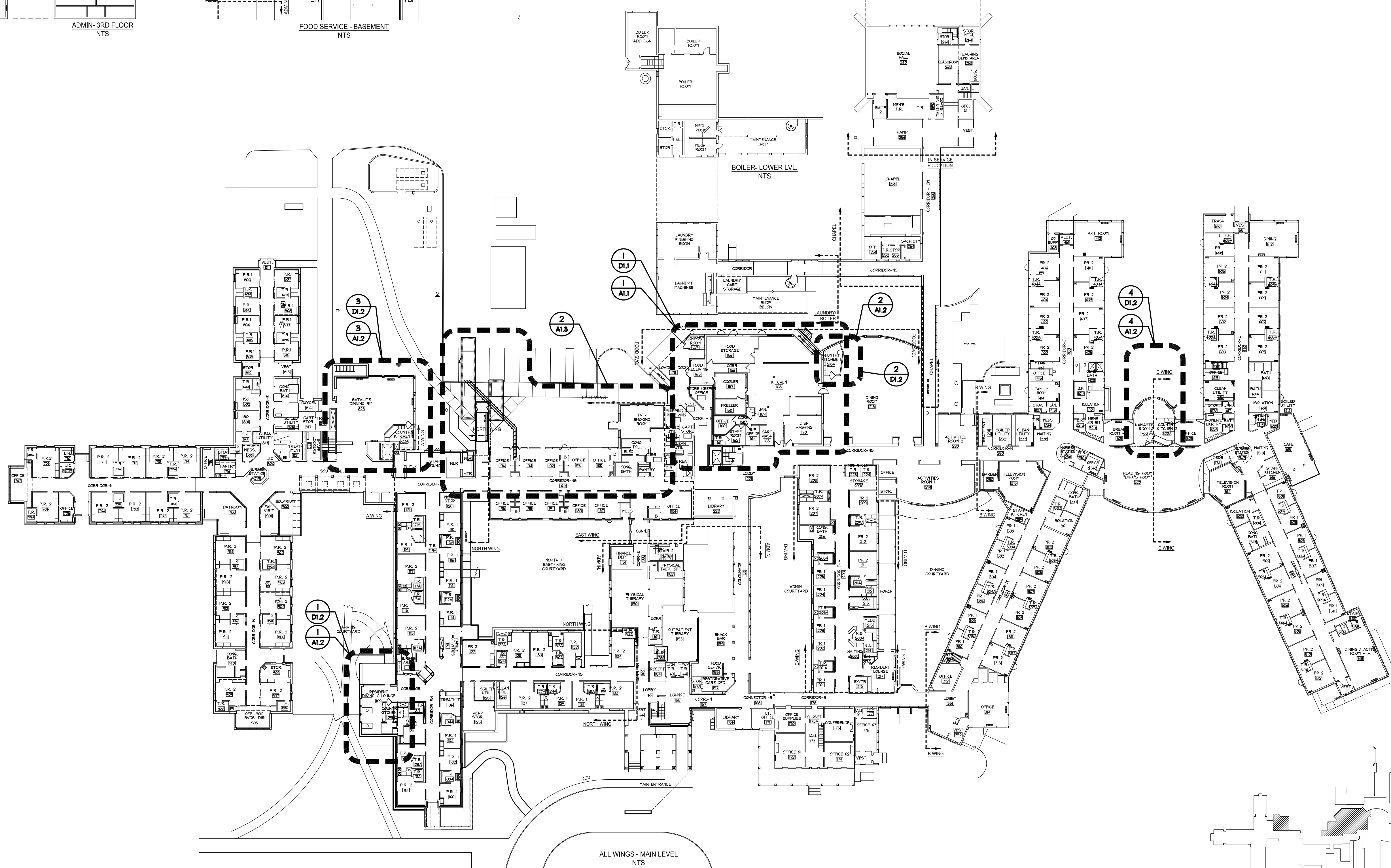
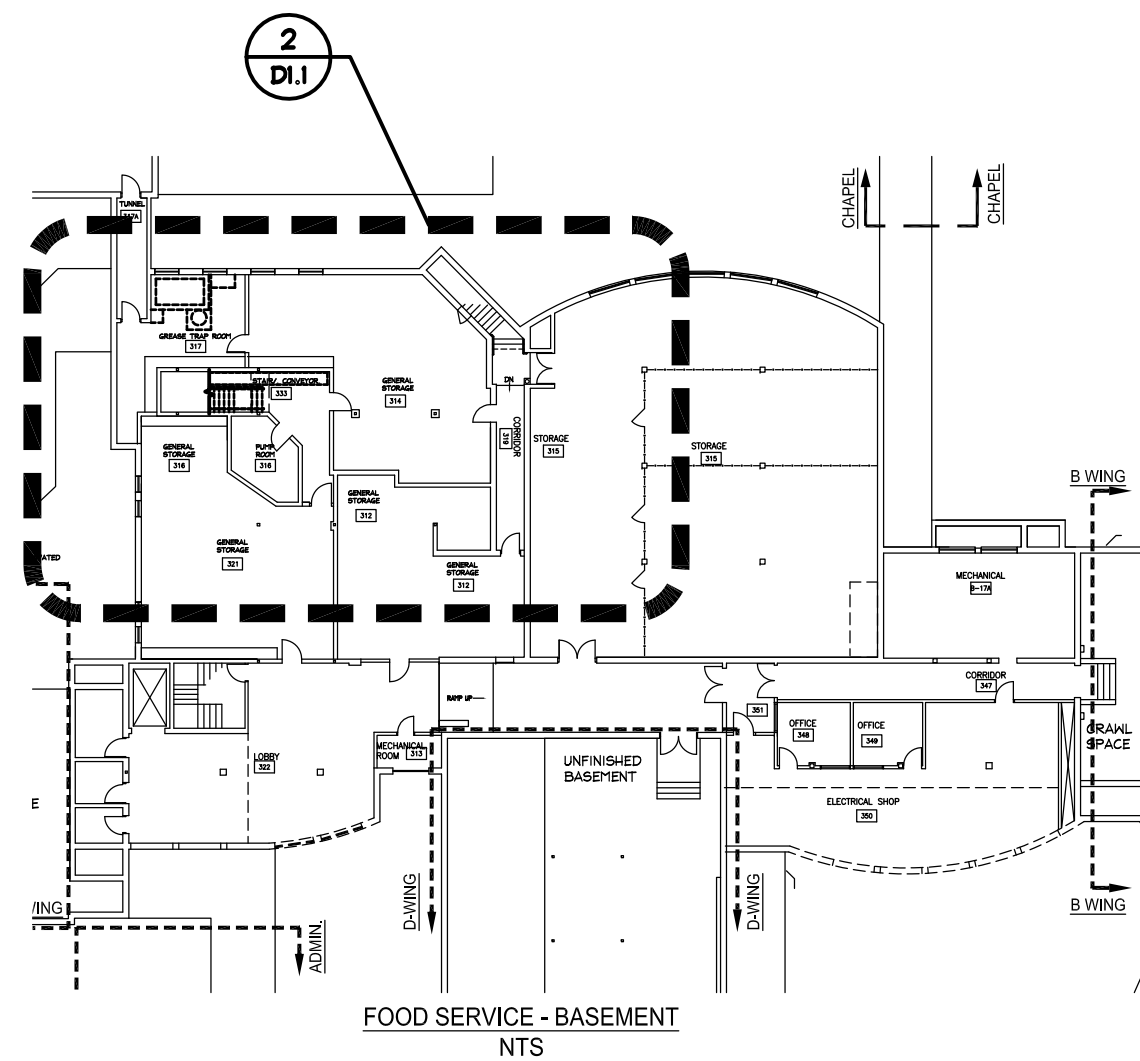
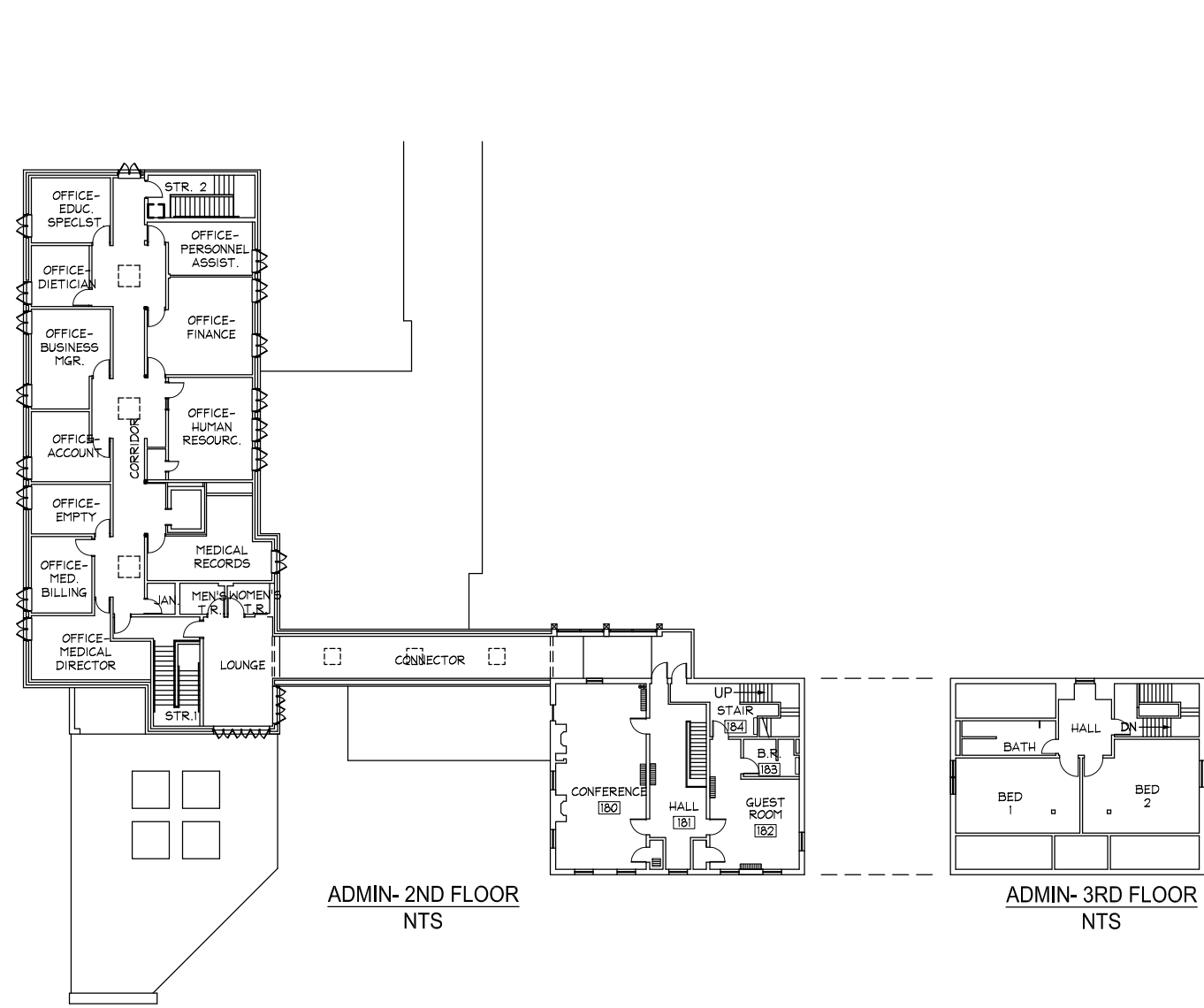
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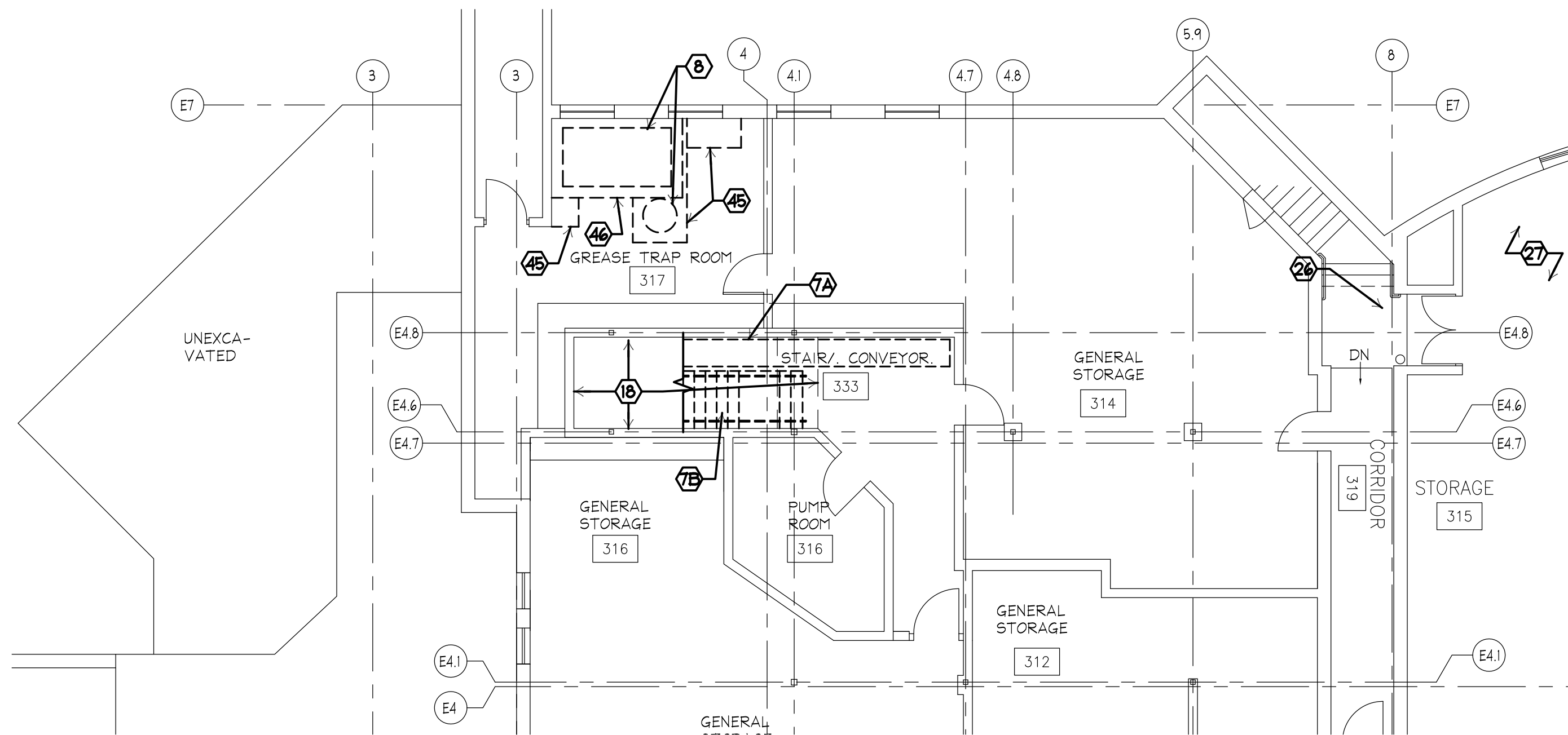


1 KEY PLAN
1/32" = 1'-0"

VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT
FACILITY KEY PLAN

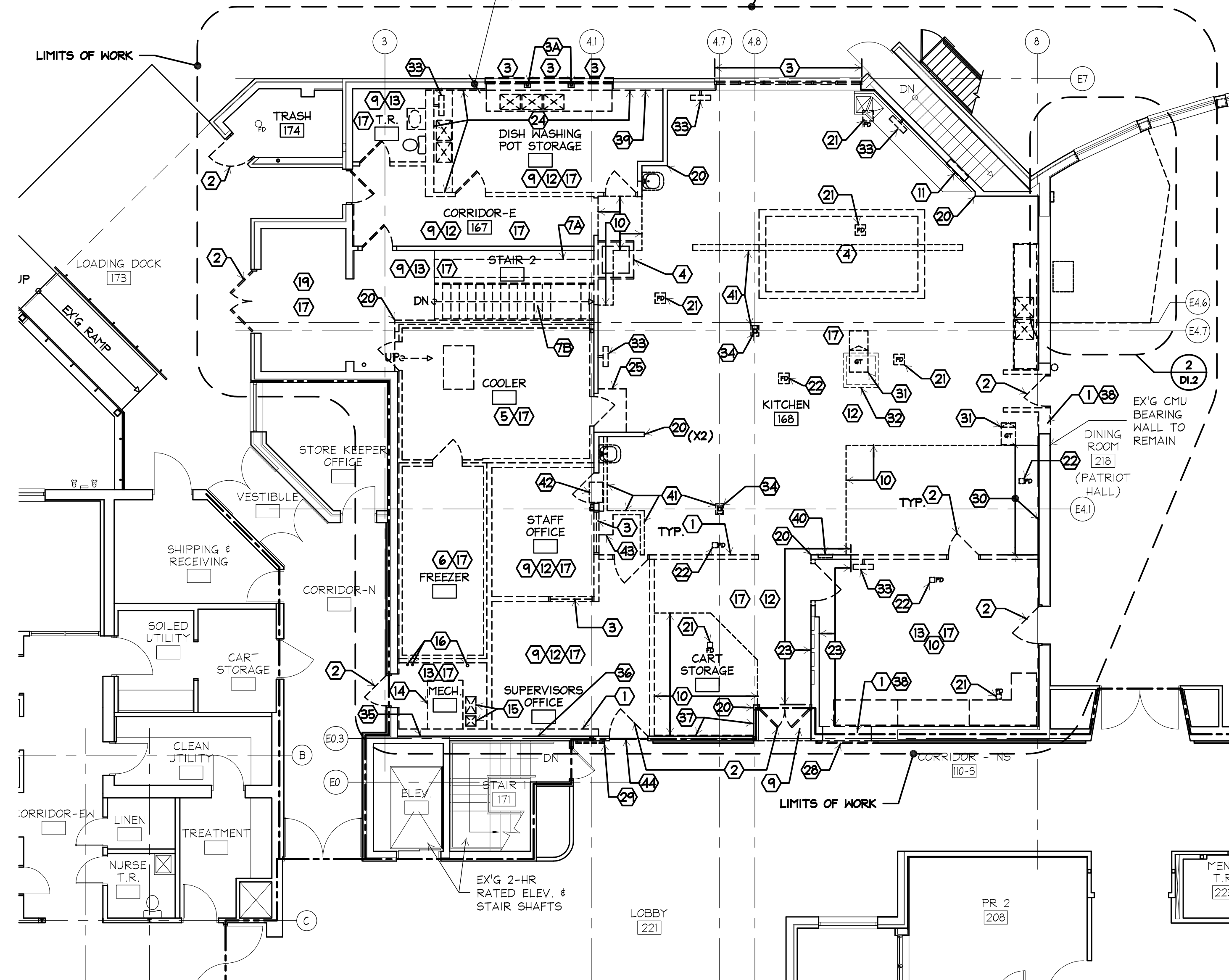
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2 PARTIAL FOOD SERVICE BASEMENT DEMOLITION PLAN
1/8" = 1'-0"

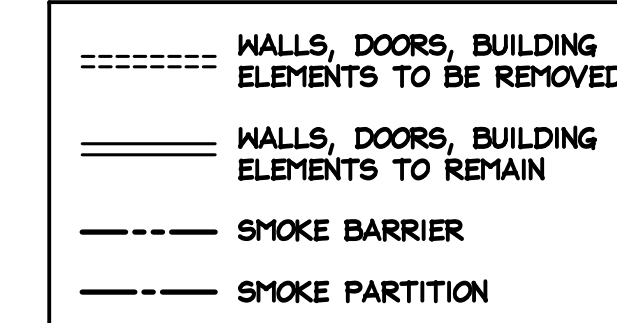
EX'G EXT. WALL CONSTR.
• 4" BRICK VENEER
• 6" CMU
• 1" RIGID INSUL. / 7/8"
• MTL FURRING
• 5/8" GMB



1 PARTIAL FOOD SERVICE MAIN LEVEL DEMOLITION PLAN
1/8" = 1'-0"

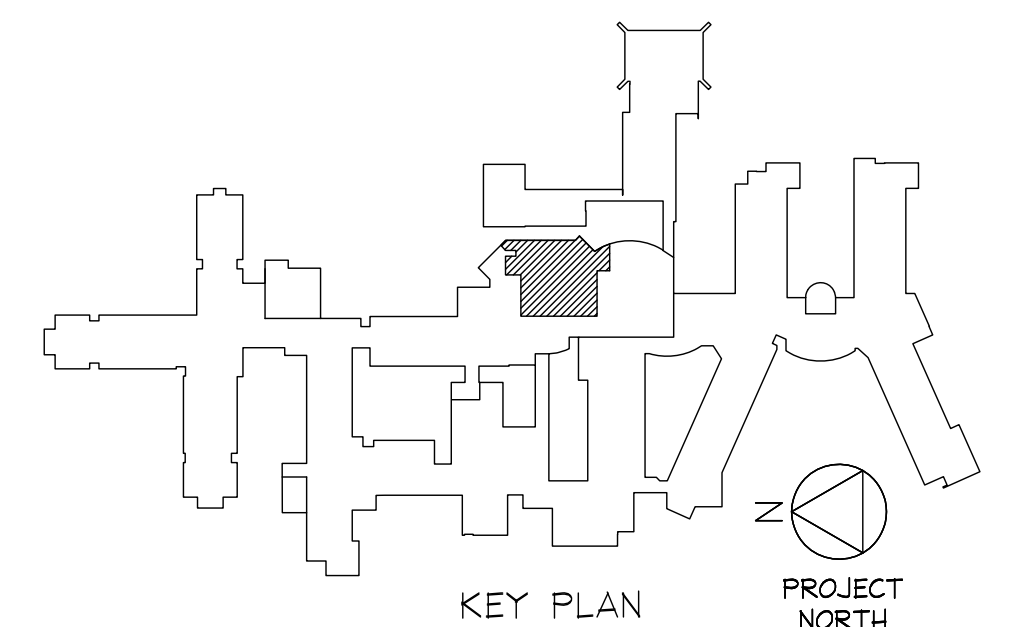
GENERAL NOTES:

1. ALL CORRIDOR WALLS SHALL BE CONSIDERED SMOKE PARTITIONS. REFER TO PLAN FOR LOCATION OF SMOKE BARRIER WALLS. FLOOR CONSTRUCTION SHALL BE CONSIDERED SMOKE BARRIER. ALL NEW PENETRATIONS AND REMOVED PENETRATIONS IN SMOKE BARRIER AND SMOKE PARTITIONS SHALL BE PATCHED / SEALED TO RESIST THE PASSAGE OF SMOKE.
2. REFER TO MEPPF AND FS DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS. PATCH TO MATCH FLOOR / WALL / CEILING CONSTRUCTION AS REQUIRED AT ALL REMOVED PENETRATIONS.
3. ALL ELECTRICAL AND FIRE ALARM DEVICES WITHIN THE LIMITS OF WORK ARE TO BE REMOVED AND / OR RELOCATED AS REQUIRED TO COORDINATE WITH NEW WORK - SEE E-DRAWINGS.
4. EXISTING WALL MOUNTED ART WORK, PICTURES, PLAQUES, ETC. IN WAY OF NEW WORK TO BE REMOVED BY OWNER.
5. ALL EQUIPMENT, CABINETS, ACCESSORIES, ETC. BEING REMOVED SHALL BE TURNED OVER TO THE OWNER AS SPECIFIED OR REQUESTED, OR OTHERWISE REMOVED AND DISCARDED BY THE CONTRACTOR.
6. EXISTING STRUCTURE CONDITION REVIEW: CONTRACTOR SHALL NOTIFY THE ARCHITECT WHEN DEMOLITION WORK IS NEARLY COMPLETE AND EXISTING STRUCTURAL COMPONENTS ARE VISIBLE AND READY FOR INSPECTION. A/E WILL INSPECT VISIBLE STRUCTURAL COMPONENTS FOR DEFICIENCIES AND INSTRUCT CONTRACTOR ON ANY REQUIRED REPAIRS. CONTRACTOR SHALL PERFORM ANY REPAIR WORK AS DIRECTED. COST FOR REPAIRS SHALL BE ACCOUNTED FOR UNDER THE "EXISTING STRUCTURAL REPAIRS ALLOWANCE" - REFER TO SPECIFICATION SECTION 01040.
7. EXISTING QUARRY TILE FLOORING AND CERAMIC TILE WALL FINISH (INCLUDING BACKER BOARD) SHALL BE REMOVED AS REQUIRED FOR NEW WORK. AT ALL TIE-IN LOCATIONS ALL PARTIAL TILES SHALL BE REMOVED BACK TO FULL TILE LINES AND NEW TILE INSTALLED TO MATCH EXISTING.



DEMOLITION KEY NOTES: (#)

1. REMOVE EXISTING METAL FRAMED WALL / PARTITION INCLUDING ALL FINISHES, TYPICAL.
2. REMOVE EXISTING DOOR AND HOLLOW METAL FRAME, TYPICAL.
3. REMOVE EXISTING WINDOWS AND ACCESSORIES.
A. STRUCTURAL STEEL MULLIONS TO REMAIN
4. REMOVE KITCHEN EXHAUST HOOD IN ITS ENTIRETY - REFER TO FS DRAWINGS AND SPECIFICATIONS.
5. REMOVE COOLER AND ALL COOLER COMPONENTS IN ITS ENTIRETY.
6. REMOVE FREEZER AND ALL FREEZER COMPONENTS IN ITS ENTIRETY.
7. REMOVE EXISTING STEEL STAIR AND CONVEYOR IN THEIR ENTIRETY.
A. REMOVE EXISTING STEEL FRAMED CONVEYOR BELT STRUCTURE AND ALL RELATED MATERIALS.
B. REMOVE EXISTING STEEL STAIR INCLUDING STEEL PAN CONCRETE STAIR TREADS AND MID-LEVEL LANDING, STRINGERS, RISERS, MISCELLANEOUS FRAMING MEMBERS, HANDRAILS, ETC.. PATCH CONCRETE FLOOR AT REMOVED ANCHORS.
8. EXISTING GREASE TRAP PARTIALLY ENCASED IN CONCRETE TO BE REMOVED - SEE P-DRAWINGS.
9. REMOVE EXISTING VCT FLOORING AND RUBBER WALL BASE THIS ROOM / AREA.
10. REMOVE EXISTING QUARRY TILE FLOORING THIS ROOM / AREA INCLUDING 6" X 6" QUARRY TILE COVE BASE AT WALLS.
11. EXISTING KITCHEN EXHAUST HOOD CLEANING SYSTEM RECESSED PANEL - REMOVE PANEL AND ALL RELATED PIPING, CONTROLS, WIRING, EQUIPMENT, ETC..
12. REMOVE EXISTING SUSPENDED ACT CEILING SYSTEM THIS ROOM. EXISTING LIGHTING TO BE REMOVED - SEE E-DRAWINGS.
13. REMOVE EXISTING SUSPENDED GMB CEILING AND METAL GRID / FRAMING THIS ROOM. EXISTING LIGHTING TO BE REMOVED - SEE E-DRAWINGS.
14. REMOVE EXISTING 4" HIGH CONCRETE HOUSE KEEPING PAD AT REMOVED AHU.
15. EXISTING DUCTS THROUGH FLOOR TO BE REMOVED - SEE M-DRAWINGS. FLOOR OPENINGS TO BE INFILLED TO MATCH EXISTING - SEE DETAILS.
16. EXISTING PIPE PENETRATIONS THROUGH FLOOR TO BE REMOVED - SEE MEP-DRAWINGS - PATCH CONCRETE / METAL DECK FLOOR AS REQUIRED.
17. REMOVE ALL EXISTING 12" FIBERGLASS BATT INSULATION ABOVE CEILING, THIS ROOM.
18. REMOVE GMB WALL FINISHES AS REQUIRED FOR NEW FLOOR INFILL CONSTRUCTION - SEE NEW WORK.
19. REMOVE EXISTING SUSPENDED STUCCO / METAL GRID CEILING SYSTEM THIS ROOM.
20. REMOVE EXISTING CORNER GUARDS.
21. EXISTING FLOOR DRAIN TO BE REMOVED AND REPLACED - SEE P-DRAWINGS. REMOVE EXISTING QUARRY TILE AROUND FLOOR DRAIN AS REQUIRED FOR NEW FLOOR DRAIN INSTALLATION - SEE NEW WORK DETAILS.
22. EXISTING FLOOR DRAIN TO BE REMOVED - SEE P-DRAWINGS. PATCH CONCRETE / METAL DECK FLOOR - SEE DETAILS.
23. REMOVE EXISTING CERAMIC TILE ON BACKER BOARD WALL FINISHES UP TO 2'-0"± ABOVE FLOOR. INSPECT AND CLEAN / REPAIR ANY EXISTING RUSTED OR DAMAGED METAL FRAMING AS REQUIRED. RE-SEAL ALL EXISTING PIPE / CONDUIT PENETRATIONS THROUGH FLOOR. PATCH CT AND TILE BACKER TO MATCH EXISTING.
24. REMOVE EXISTING FRP WALL PANELING.
25. REMOVE EXISTING CONCRETE RAMP AT COOLER ENTRANCE.
26. REMOVE AND REINSTALL EXISTING ACT CEILING AS REQUIRED FOR NEW WORK - SEE MEP-DRAWINGS.
27. REMOVE AND PATCH TO MATCH EXISTING GMB CEILING AS REQUIRED FOR NEW WORK - SEE MEP-DRAWINGS.
28. CUT AND REMOVE SECTION OF METAL HANDRAIL AND RUBBER WALL BUMPER. PROVIDE NEW ALUMINUM END CAP TO CUT END.
29. REMOVE EXISTING ALUMINUM HANDRAIL AND RUBBER WALL BUMPER.
30. REMOVE CERAMIC TILE AND WALLBOARD THIS WALL.
31. REMOVE EXISTING ABANDONED FLOOR FLUSH MOUNT GREASE TRAPS AND INFILL FLOOR OPENING - SEE DETAIL 10/A3.1. CUT AND REMOVE DECKING AS REQUIRED FOR RECTANGULAR SHAPED OPENING.
32. REMOVE EXISTING ABANDONED GMB / METAL FRAMED 42" X 42" SKYLIGHT WELL AT CEILING ABOVE.
33. REMOVE EXISTING WALL-MOUNT FAN. SALVAGE FOR REINSTALLATION.
34. REMOVE ALL FRAMING AND FINISHES FROM AROUND COLUMN - FULL HEIGHT.
35. EXISTING METAL FRAMING ON CMU TO REMAIN. REMOVE ALL OTHER METAL FRAMING, WALLBOARD AND FINISHES.
36. EXISTING 2-HOUR RATED STAIR SHAFT WALL CONSISTS OF 3/4" METAL STUD FRAMED WALL WITH (2) LAYERS 5/8" GMB BOTH SIDES. REMOVE (1) LAYER OF 5/8" GMB FROM ROOM SIDE.
37. REMOVE EXISTING WALLBOARD AND FINISHES THIS SIDE. WALL FRAMING TO REMAIN.
38. AT NEW DOOR OPENING IN EXISTING METAL FRAMED WALL, REMOVE FRAMING AND FINISHES AS REQUIRED TO REFRAME NEW OPENING FOR NEW DOOR - SEE NEW WORK DETAILS.
39. REMOVE EXISTING FINISHES, WALLBOARD, INSULATION BOARD AND METAL FURRING COMPLETELY DOWN TO CMU AT EXTERIOR WALLS THIS ROOM.
40. RECESSED ELECTRICAL PANEL TO BE REMOVED - SEE E-DRAWINGS.
41. CUT AND REMOVE EXISTING QUARRY TILE AT NEW PARTITION LOCATIONS - SEE NEW WORK PLANS. WHERE APPLICABLE, REMOVE ALL PARTIAL QUARRY TILES ADJACENT TO REMOVED WALLS TO ALLOW FOR FULL TILE REPLACEMENT.
42. CUT AND REMOVE CONCRETE / METAL DECK FLOOR AR NEW DUCT PENETRATION - SEE NEW WORK PLAN.
43. CUT AND REMOVE EXISTING QUARRY TILE AT NEW MOP SINK LOCATION - SEE NEW WORK PLAN.
44. CUT AND REMOVE GMB WALL FINISHES AS REQUIRED FOR NEW DUCT PENETRATION AND EXHAUST GRILLE - SEE M-DRAWINGS.
45. REMOVE EXISTING 6" HIGH CONCRETE HOUSEKEEPING PAD ON EXISTING CONCRETE FLOOR STRUCTURE.
46. REMOVE EXISTING 10"± HIGH CONCRETE ENCASMENT AROUND GREASE TRAP TANK.

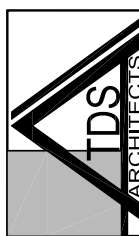


KEY PLAN

PROJECT NORTH

TIMOTHY D. SMITH & ASSOCIATES, P.C.

ONE MAIN STREET
NORTH BENNINGTON
VERMONT 05257
802 442-8184



#50-012

VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT

MAIN KITCHEN DEMOLITION / ALTERATION PLANS

BID SET

D1.1

JOB NO. 15858.00 DWN. BY CK. BY

DATE: JAN. 26, 2016

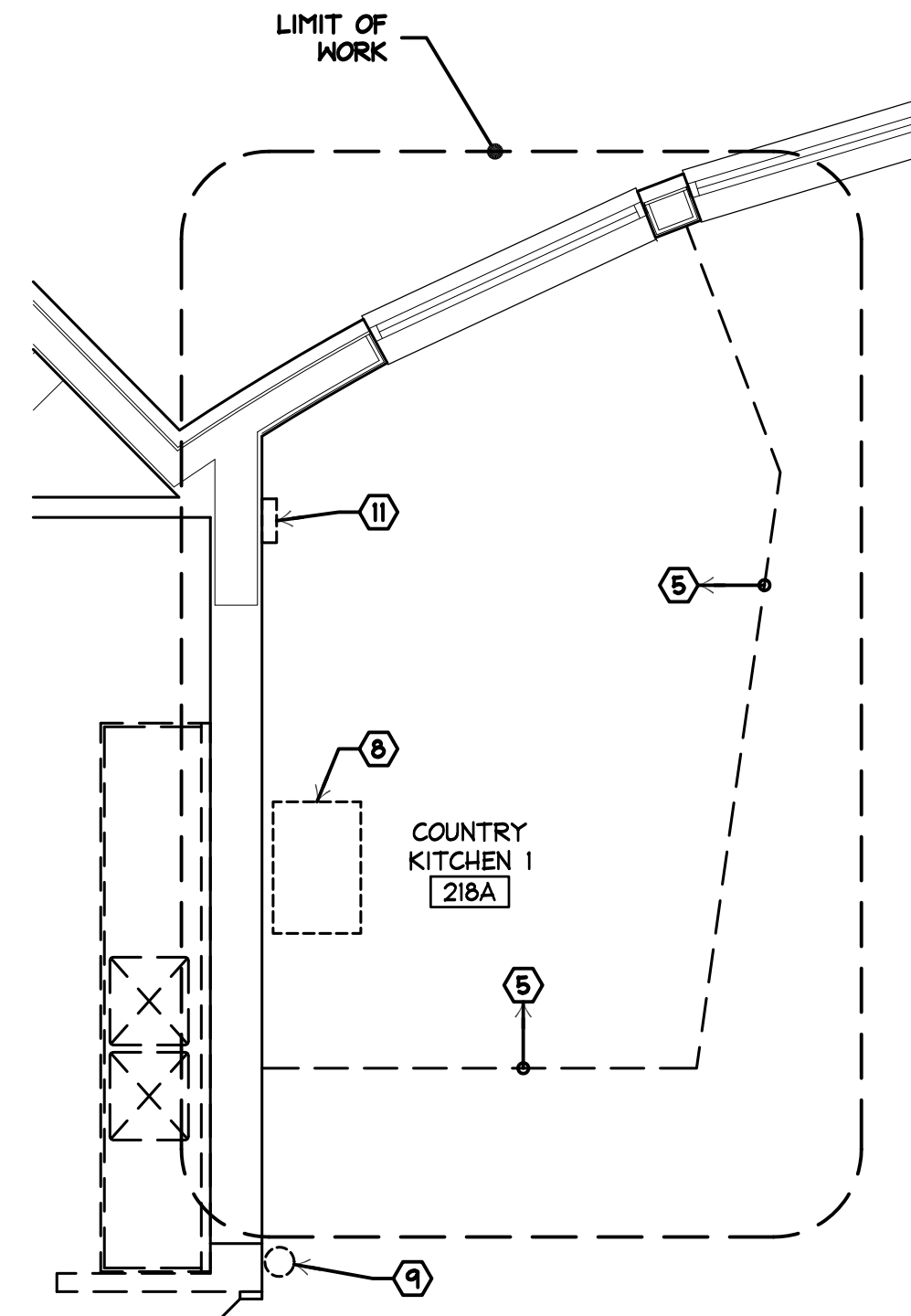
GENERAL NOTES:

1. ALL CORRIDOR WALLS SHALL BE CONSIDERED SMOKE PARTITIONS. REFER TO PLAN FOR LOCATION OF SMOKE BARRIER WALLS. FLOOR CONSTRUCTION SHALL BE CONSIDERED SMOKE BARRIER. ALL NEW PENETRATIONS AND REMOVED PENETRATIONS IN SMOKE BARRIER AND SMOKE PARTITIONS SHALL BE PATCHED / SEALED TO RESIST THE PASSAGE OF SMOKE.
2. REFER TO MEPFP AND FS DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS. PATCH TO MATCH FLOOR / WALL / CEILING CONSTRUCTION AS REQUIRED AT ALL REMOVED PENETRATIONS.
3. ALL ELECTRICAL AND FIRE ALARM DEVICES WITHIN THE LIMITS OF WORK ARE TO BE REMOVED AND / OR RELOCATED AS REQUIRED TO COORDINATE WITH NEW WORK - SEE E-DRAWINGS.
4. EXISTING WALL MOUNTED ART WORK, PICTURES, PLAQUES, ETC. IN WAY OF NEW WORK TO BE REMOVED BY OWNER.
5. ALL EQUIPMENT, CABINETS, ACCESSORIES, ETC. BEING REMOVED SHALL BE TURNED OVER TO THE OWNER AS SPECIFIED OR REQUESTED, OR OTHERWISE REMOVED AND DISCARDED BY THE CONTRACTOR.
6. EXISTING STRUCTURE CONDITION REVIEW: CONTRACTOR SHALL NOTIFY THE ARCHITECT WHEN DEMOLITION WORK IS NEARLY COMPLETE AND EXISTING STRUCTURAL COMPONENTS ARE VISIBLE AND READY FOR INSPECTION. A/E WILL INSPECT VISIBLE STRUCTURAL COMPONENTS FOR DEFICIENCIES AND INSTRUCT CONTRACTOR ON ANY REQUIRED REPAIRS. CONTRACTOR SHALL PERFORM ANY REPAIR WORK AS DIRECTED. COST FOR REPAIRS SHALL BE ACCOUNTED FOR UNDER THE "EXISTING STRUCTURAL REPAIRS ALLOWANCE" - REFER TO SPECIFICATION SECTION 01040.
7. EXISTING QUARRY TILE FLOORING AND CERAMIC TILE WALL FINISH (INCLUDING BACKER BOARD) SHALL BE REMOVED AS REQUIRED FOR NEW WORK. AT ALL TIE-IN LOCATIONS ALL PARTIAL TILES SHALL BE REMOVED BACK TO FULL TILE LINES AND NEW TILE INSTALLED TO MATCH EXISTING.

KEYED NOTES: (#)

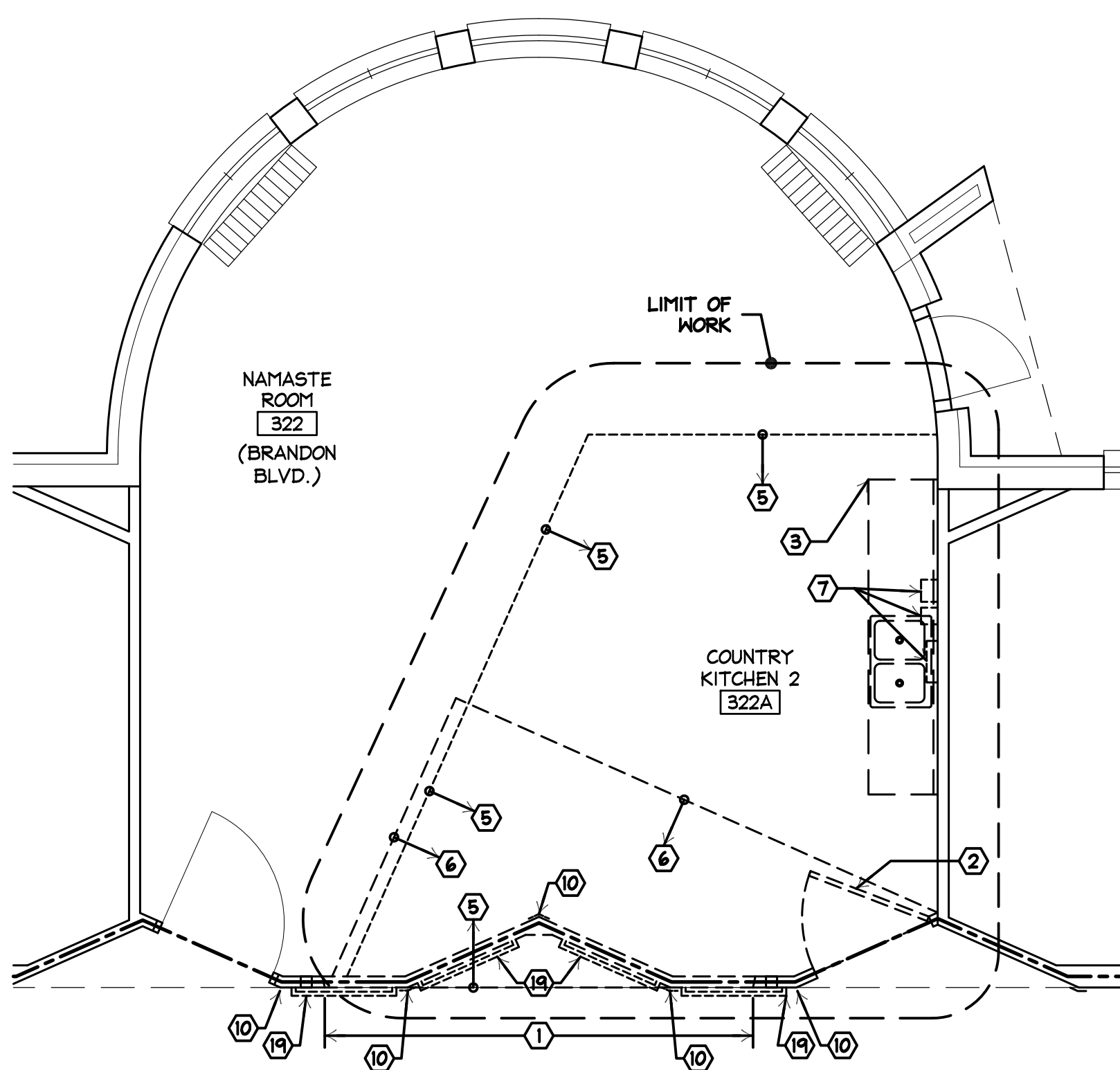
1. REMOVE METAL STUD / GMB PARTITION AND SOFFIT.
2. REMOVE HOLLOW METAL DOOR AND FRAME.
3. REMOVE BASE CABINETS / COUNTERTOP.
4. REMOVE WALL CABINETS.
5. CUT AND REMOVE VCT FLOORING AND RUBBER WALL BASE IN AREAS OF NEW WALLS / FLOORING.
6. CUT AND REMOVE EXISTING 2 X 2 SUSPENDED ACT CEILING AS REQUIRED FOR NEW WALLS / SOFFITS - SEE NEW WORK PLANS.
7. REMOVE WALL MOUNTED ACCESSORIES (HAND SANITIZER, SOAP DISPENSER, TOWEL DISPENSER, ETC.).
8. EXISTING FREE STANDING FREEZER TO BE RELOCATED (BY OWNER).
9. EXISTING WALL MOUNTED FIRE EXTINGUISHER TO BE RELOCATED. LOCATION AS DIRECTED BY THE OWNER.
10. REMOVE EXISTING 4'-0" HIGH METAL CORNER GUARD.
11. EXISTING WALL MOUNTED TELEPHONE DEVICE TO BE RELOCATED - SEE E-DRAWINGS.
12. NOT USED.
13. REMOVE EXISTING 15" WIDE BUILT-IN ICE MACHINE BELOW COUNTER - SEE P-DRAWINGS.
14. REMOVE EXISTING FREE STANDING WATER COOLER.
15. REMOVE EXISTING MICROWAVE OVEN MOUNTED TO UNDERSIDE OF WALL CABINET.
16. REMOVE WALL MOUNTED SHELVING.
17. REMOVE EXISTING REFRIGERATOR AND TABLE.
18. REMOVE EXISTING FREE STANDING ICE MACHINE - SEE P-DRAWINGS.
19. REMOVE EXISTING METAL HANDRAIL.
20. REMOVE EXISTING GMB FOR PLUMBING INSTALLATION. PATCH TO MATCH AS REQUIRED.
21. CUT AND REMOVE EXISTING VINYL FLOORING AT NEW PARTITION - SEE NEW WORK PLAN.

-----	WALLS, DOORS, BUILDING ELEMENTS TO BE REMOVED
=====	WALLS, DOORS, BUILDING ELEMENTS TO REMAIN
- - - - -	SMOKE BARRIER
- - - - -	SMOKE PARTITION



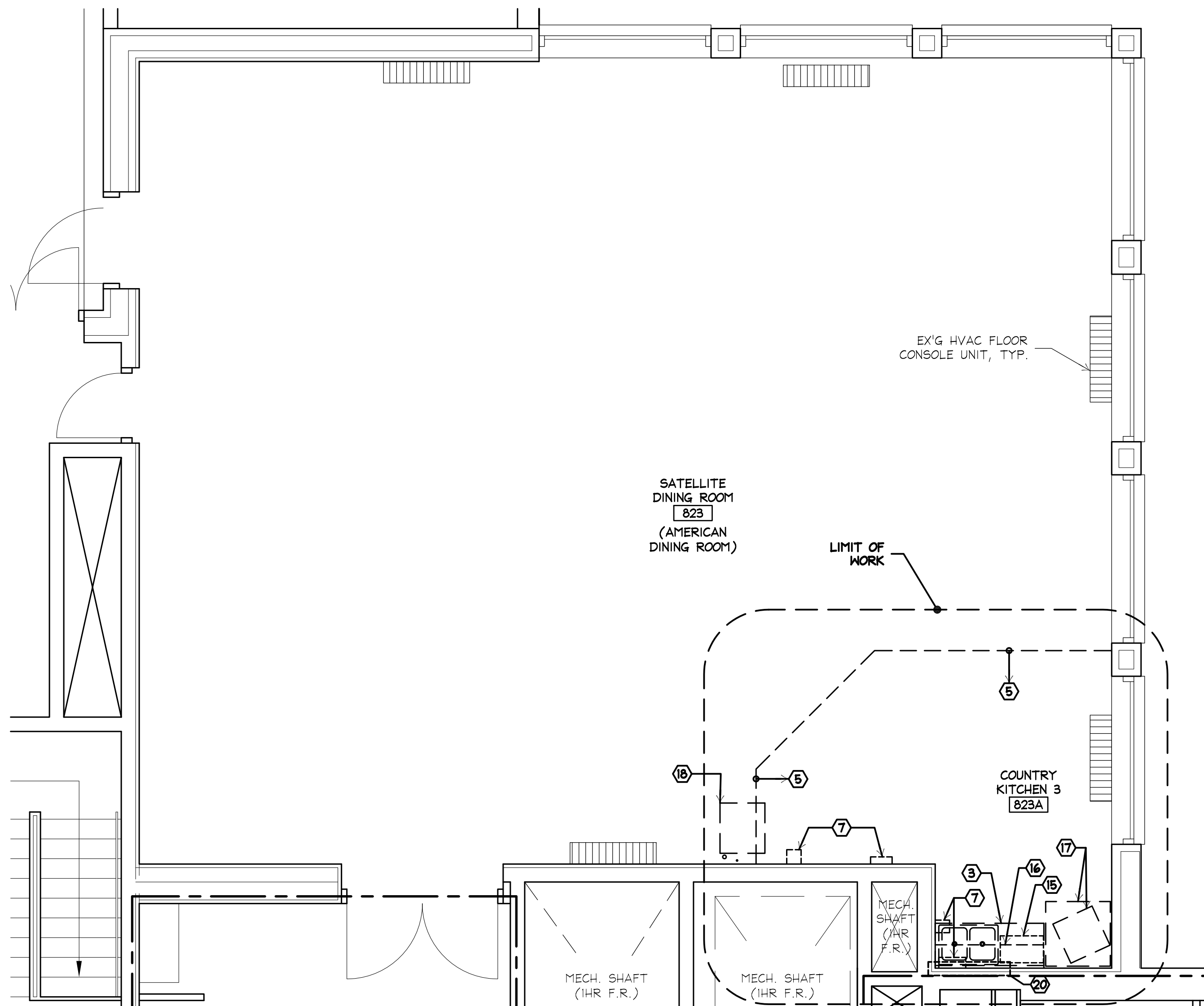
2 COUNTRY KITCHEN 1 DEMO PLAN @ DINING ROOM 218 (PATRIOT HALL)
1/4" = 1'-0"

DEDUCT ALTERNATE #2



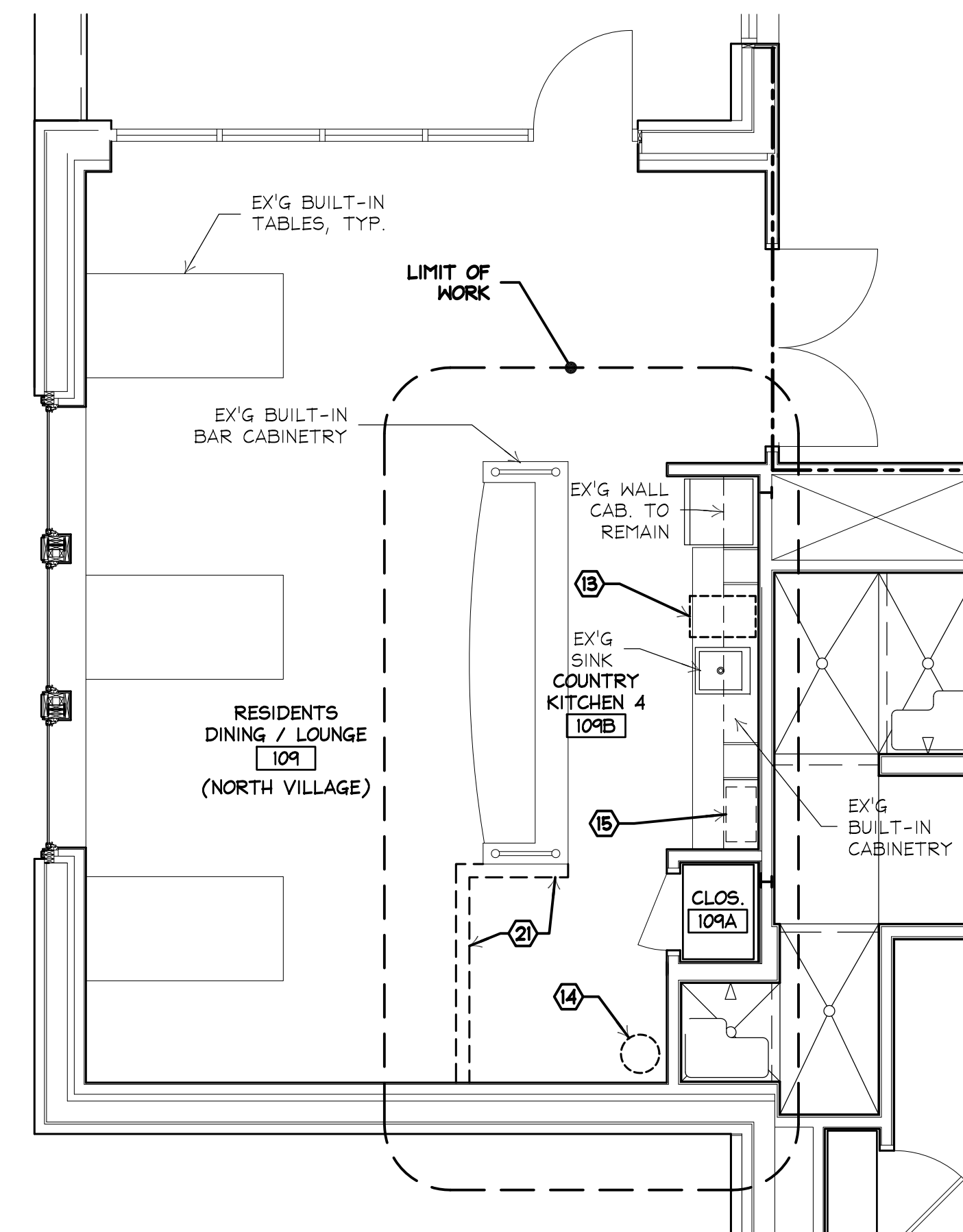
4 COUNTRY KITCHEN 2 DEMO PLAN @ LOUNGE ROOM 322 (BRANDON BLVD.)
1/4" = 1'-0"

DEDUCT ALTERNATE #4



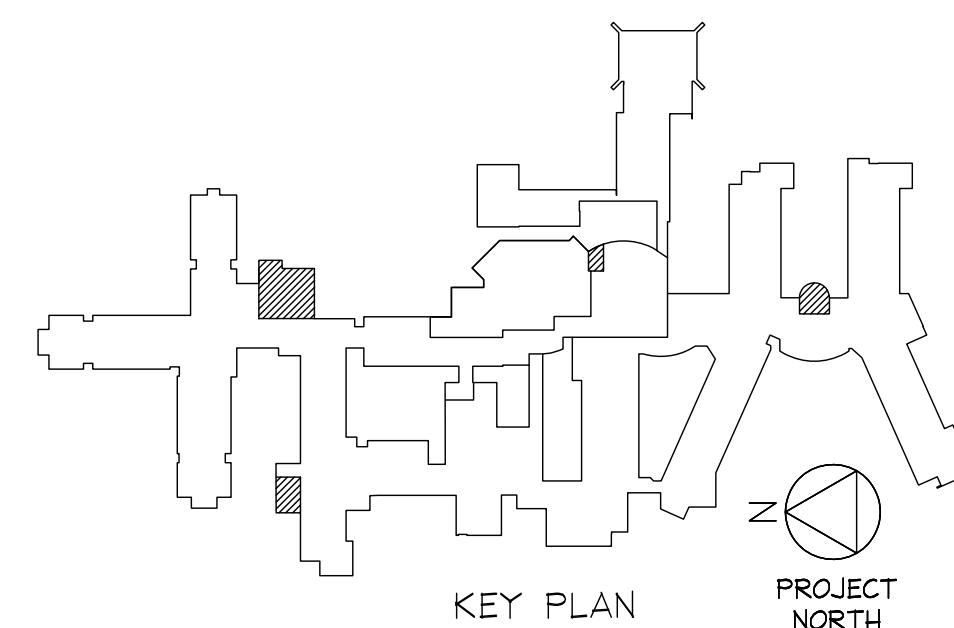
3 COUNTRY KITCHEN 3 DEMO PLAN @ SATELLITE DINING ROOM 823 (AMERICAN DINING ROOM)
1/4" = 1'-0"

DEDUCT ALTERNATE #3



1 COUNTRY KITCHEN 4 DEMO PLAN @ RESIDENT DINING / LOUNGE 109 (NORTH VILLAGE)
1/4" = 1'-0"

DEDUCT ALTERNATE #1

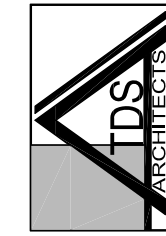


KEY PLAN

PROJECT NORTH

TIMOTHY D. SMITH & ASSOCIATES, P.C.

ONE MAIN STREET
NORTH BENNINGTON
VERMONT 05257
802 442-8184



JOB NO. 15858.00 DWN. BY CK. BY

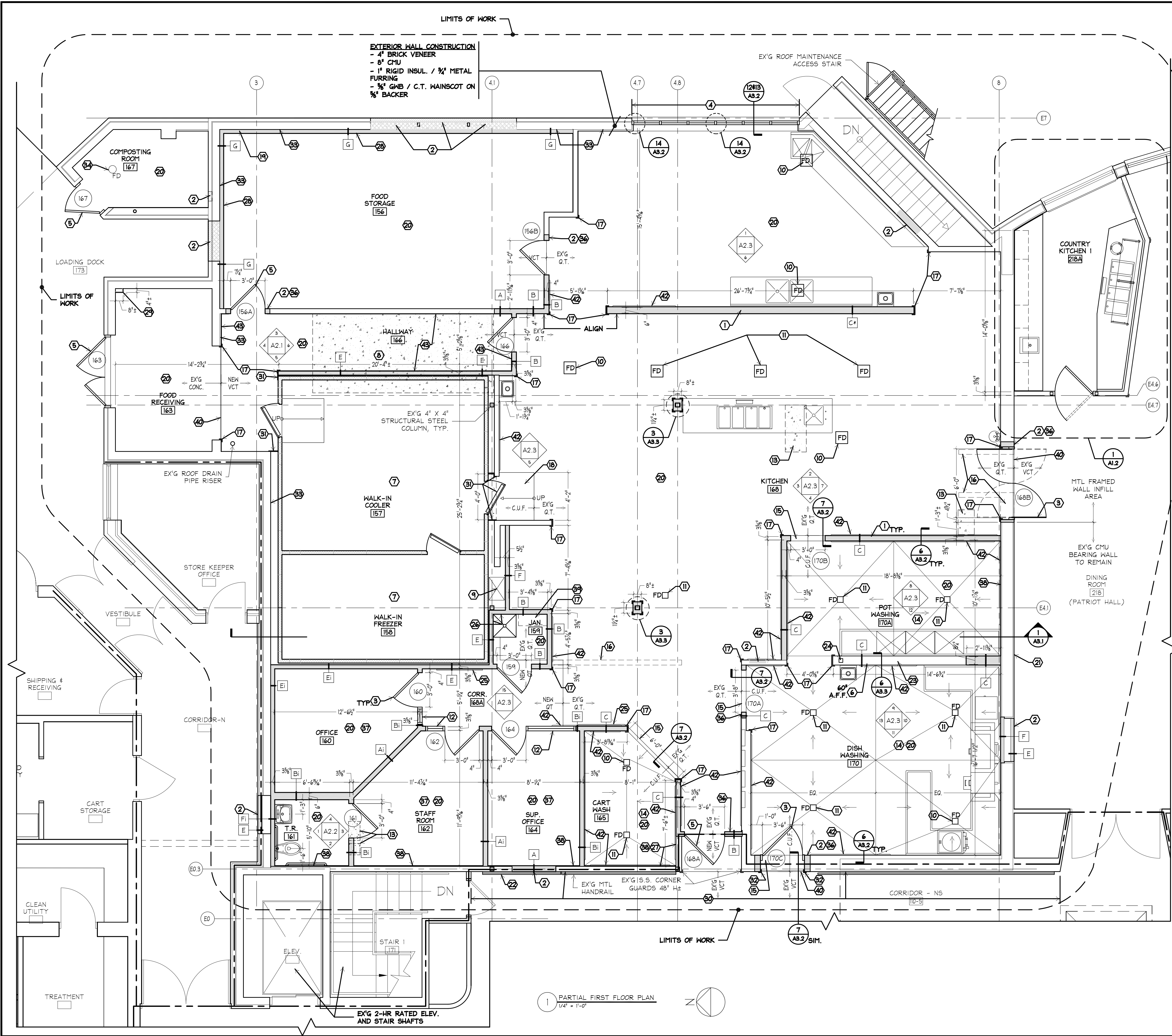
DATE: JAN. 26, 2016

#50-012

VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT
COUNTRY KITCHEN DEMOLITION / ALTERATION
PLANS

BID SET

D1.2

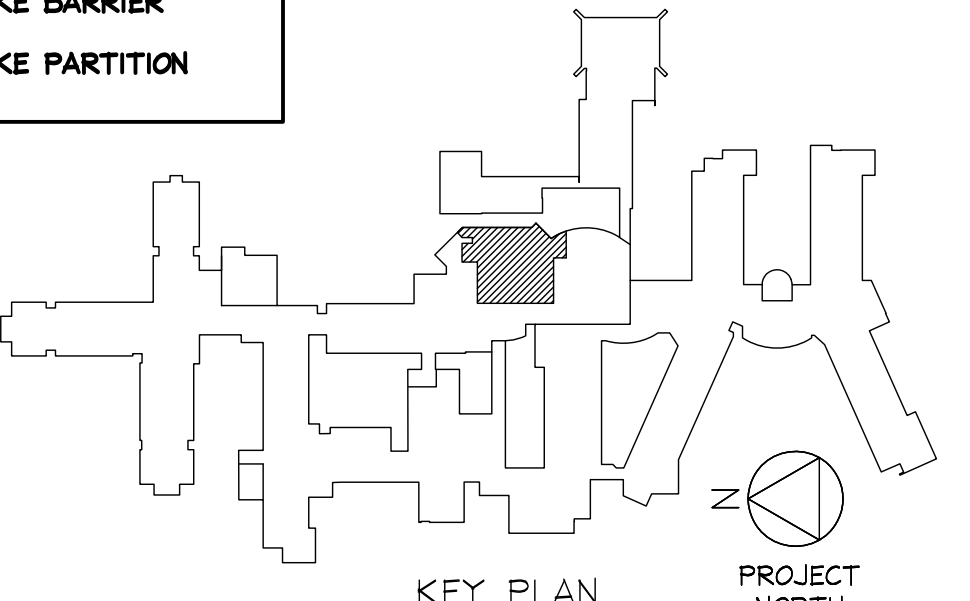


- GENERAL NOTES:**
1. ALL CORRIDOR WALLS SHALL BE CONSIDERED SMOKE PARTITIONS. REFER TO PLAN FOR LOCATION OF SMOKE BARRIER WALLS. FLOOR CONSTRUCTION SHALL BE CONSIDERED SMOKE BARRIER. ALL NEW PENETRATIONS AND REMOVED PENETRATIONS IN SMOKE BARRIER AND SMOKE PARTITIONS SHALL BE PATCHED / SEALED TO RESIST THE PASSAGE OF SMOKE.
 2. PATCH CONCRETE / METAL DECK FLOOR CONSTRUCTION AT ALL REMOVED PENETRATIONS SEE DETAILS.
 3. ALL EXISTING QUARRY TILE FLOORING AND CERAMIC WALL TILE AND GROUT SHALL BE THOROUGHLY CLEANED - SEE SPEC NOTE ON G.I. FINISH.
 4. CUT AND PATCH TO MATCH ALL EXISTING WALLS / FLOORS / CEILINGS AS REQUIRED FOR NEW EQUIPMENT AND FIXTURE WORK - REFER TO MEP, FP, AND FS DRAWINGS.

- FIRST FLOOR KEYED NOTES: (#)**
1. NEW METAL FRAMED PARTITION - SEE WALL TYPES. ALL NEW PARTITIONS TO EXTEND UP TO UNDERSIDE OF ROOF DECK ABOVE WITH DEFLECTION TRACK - 3/4" MINIMUM DEFLECTION.
 2. INFILL OPENING WITH NEW WALL CONSTRUCTION TO MATCH EXISTING. CUT / PATCH EXISTING FINISHES AS REQUIRED.
 3. NEW DOOR AND FRAME, TYPICAL.
 4. NEW ALUMINUM WINDOW TO REPLACE EXISTING - SEE DETAILS.
 5. NEW DOOR / FRAME TO REPLACE EXISTING - SEE DETAILS.
 6. NEW PARTIAL HEIGHT WALL - SEE DETAIL.
 7. NEW WALK-IN COOLER / FREEZER - SEE FS-DRAWINGS.
 8. INFILL EXISTING FLOOR OPENING AT REMOVED STAIR / CONVEYOR. INFILL TO INCLUDE STEEL FRAMING / CONCRETE / METAL DECKING - SEE FRAMING PLAN AND DETAILS ON AS.1.
 9. NEW DUCT RISER - SEE M-DWGS. CUT NEW OPENING IN FLOOR STRUCTURE AS REQUIRED. DO NOT CUT JOISTS / BEAMS.
 10. NEW FLOOR DRAIN TO REPLACE EXISTING - SEE DETAIL.
 11. NEW FLOOR DRAIN - CUT / PATCH EXISTING FLOOR DECK AS REQUIRED. FIELD LOCATE TO AVOID JOIST / BEAMS BELOW - SEE DETAIL.
 12. NEW SIDELIGHT - SEE DETAILS.
 13. INFILL FLOOR STRUCTURE AS REQUIRED AT REMOVED EQUIPMENT - SEE DETAILS.
 14. NEW CEMENTITIOUS URETHANE FLOORING THIS ROOM. MINIMUM 1/8" PER FOOT SLOPE TO DRAINS.
 15. NEW CEMENTITIOUS URETHANE FLOORING TRANSITION - SEE DETAIL.
 16. PATCH EXISTING QUARRY TILE FLOORING AT REMOVED WALLS.
 17. NEW STAINLESS STEEL CORNER GUARD / END WALL PROTECTION. REFER TO INTERIOR ELEVATIONS FOR HEIGHTS.
 18. NEW REINFORCED CONCRETE RAMP UP TO COOLER FLOOR; 4" HIGH, 1/2" MAXIMUM SLOPE. CEMENTITIOUS URETHANE FLOORING ALL EXPOSED SURFACES. CUT / PATCH EXISTING ADJACENT QUARRY TILE FLOORING AS REQUIRED.
 19. NEW METAL FURRING, INSULATION, AND GMB TO MATCH EXISTING.
 20. PAINT ALL EXPOSED NEW AND EXISTING WALL AND CEILING FINISHES THIS ROOM INCLUDING: GMB, HOLLOW METAL DOORS AND FRAMES, HOLLOW METAL WINDOW FRAMES, AND CMU.
 21. PAINT ENTIRE NORTH GMB WALL, CORNER TO CORNER OF DINING ROOM.
 22. NEW ALUMINUM HANDRAIL AND RUBBER BUMPER TO MATCH EXISTING.
 23. NEW SOLID SURFACE WALL CAP.
 24. NEW CONCEALED 4" X 4" X 1/2" STEEL POST PARTIAL HEIGHT WALL BRACE WITH WELDED BASE PLATE ANCHORED TO FLOOR STRUCTURE WITH (2) THROUGH-BOLTS, SIMILAR TO DETAILS 9, 10, 11 ON AS.2.
 25. NEW 4" X 4" WALL-MOUNT TACK BOARD / MARKER BOARD.
 26. PROVIDE CERAMIC TILE ON (2) WALLS AT MOP SINK, 36" HIGH, 4" MINIMUM BEYOND SINK ENDS.
 27. ADD 3/4", 20GA. STUDS SISTERED TO EXISTING STUD FRAMING FOR ATTACHMENT OF NEW CEMENT BOARD.
 28. NEW 2x8 @ 16" O.C. METAL STUDS WITH 3/8" GMB FINISH AND 2" MINIMUM SPRAY FOAM INSULATION - SEE DETAIL.
 29. NEW PAINTED 3/4" WOOD / PLYWOOD CHASE FOR HOSE BIB PIPING, FLOOR TO CEILING. PROVIDE BLOCKING / FRAMING / CLIPS AND ANCHORS AS REQUIRED FOR SOLID ATTACHMENT TO CMU WALLS.
 30. PAINT CORRIDOR WALL TO MATCH EXISTING.
 31. NEW METAL CLOSURE PANEL AT WALLS AND CEILING, BY FOOD SERVICE EQUIPMENT CONTRACTOR.
 32. NEW STAINLESS STEEL CORNER GUARD, MATCH EXISTING ADJACENT.
 33. NEW 2" MINIMUM THICKNESS SPRAY FOAM INSULATION FROM TOP OF EXISTING WALL FINISHES UP TO UNDERSIDE OF ROOF DECK - SEE ROOF PLAN FOR ADDITIONAL INFORMATION.
 34. REPLACE RUSTED GRATE AT EXISTING FLOOR DRAIN.
 35. NEW FINISH ON EXISTING METAL FRAMING / FURRING.
 36. AT NEW DOOR OPENING IN EXISTING METAL FRAMED WALL, MODIFY / REFRAME AS REQUIRED FOR NEW DOOR INCLUDING NEW METAL HEADER TO SUPPORT PARTITION AND CEILING LOADS ABOVE. REMOVE FINISHES AND WALLBOARD AS REQUIRED.
 37. INSTALL (1) 3'-0" X 4'-0" WALL-MOUNT MARKER BOARD IN OFFICES - FIELD LOCATE WITH OWNER.
 38. INSTALL NEW 3/4" WALL BOARD & FINISHES ON EXISTING METAL FRAMING. SUPPLEMENT / MODIFY FRAMING AS REQUIRED.
 39. JANITOR'S CLOSET SHELVING: PROVIDE (4) 12" DEEP X 30" LONG P-LAM SHELVES ON 60" LONG STANDARDS AND BRACKETS.
 40. NEW METAL SCULPTURE TRANSITION STRIP.
 41. AT 2-HOUR RATED STAIR SHAFT WALL, VERIFY EXISTING 1ST LAYER 1/2" GMB IS INTACT - REPAIR AS REQUIRED PRIOR TO INSTALLATION OF NEW 3/4" LAYER GMB.
 42. NEW DOUBLE ROW CART BUMPER - SEE INTERIOR ELEVATIONS. MOUNTING HEIGHTS TO BE VERIFIED IN FIELD WITH ARCHITECT.
 43. NEW 4'-0" HIGH CONTINUOUS RIGID VINYL SHEET WALL PROTECTION - SEE ELEVATIONS.

LEGEND

- EX'G WALL
- NEW WALL
- NEW DOOR
- EXISTING DOOR
- SMOKE BARRIER
- SMOKE PARTITION



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VERMONT 05257
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DATE: JAN. 26, 2016

#50-012

VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT

MAIN KITCHEN FLOOR PLAN

BID SET

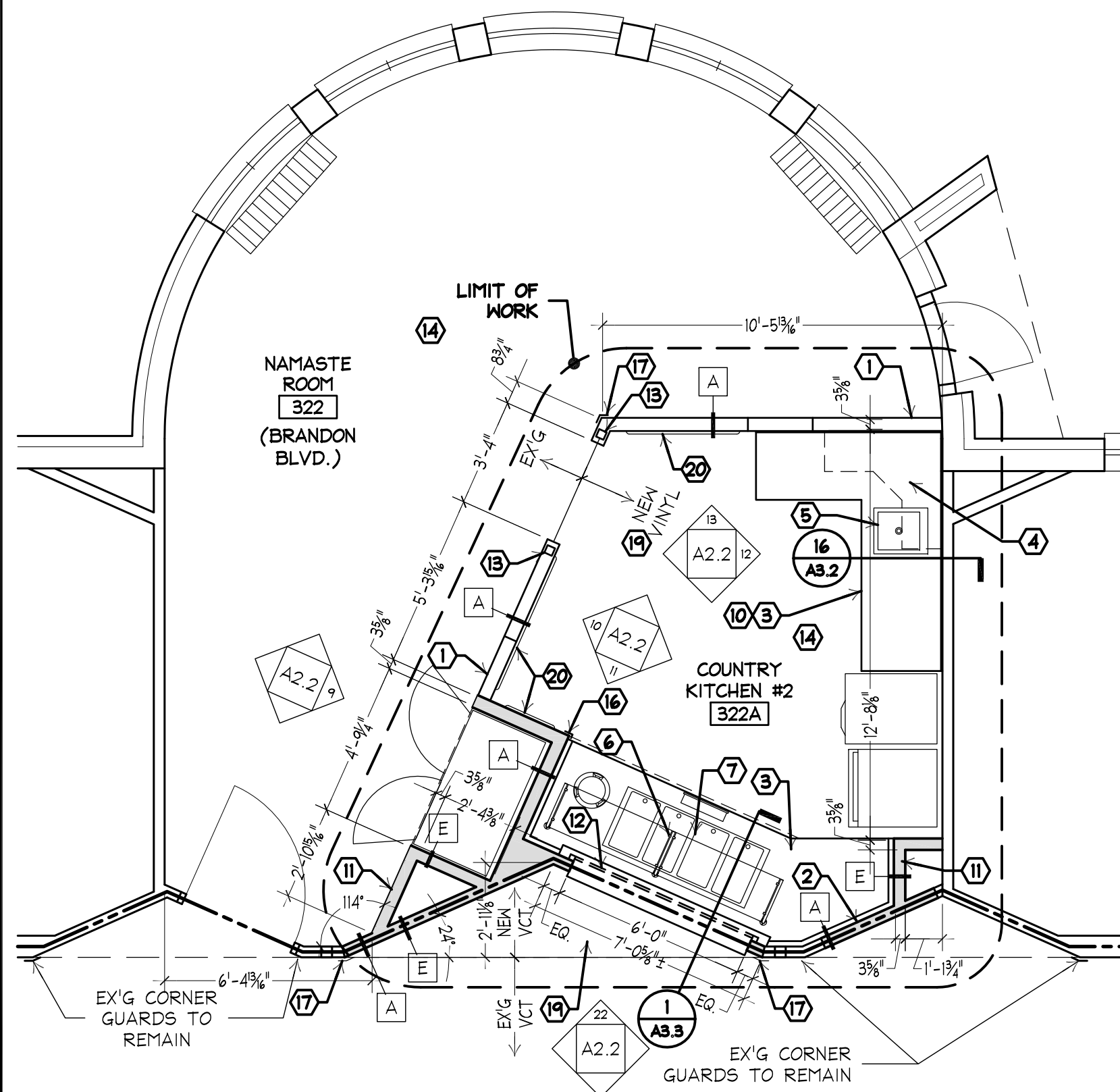
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GENERAL NOTES:

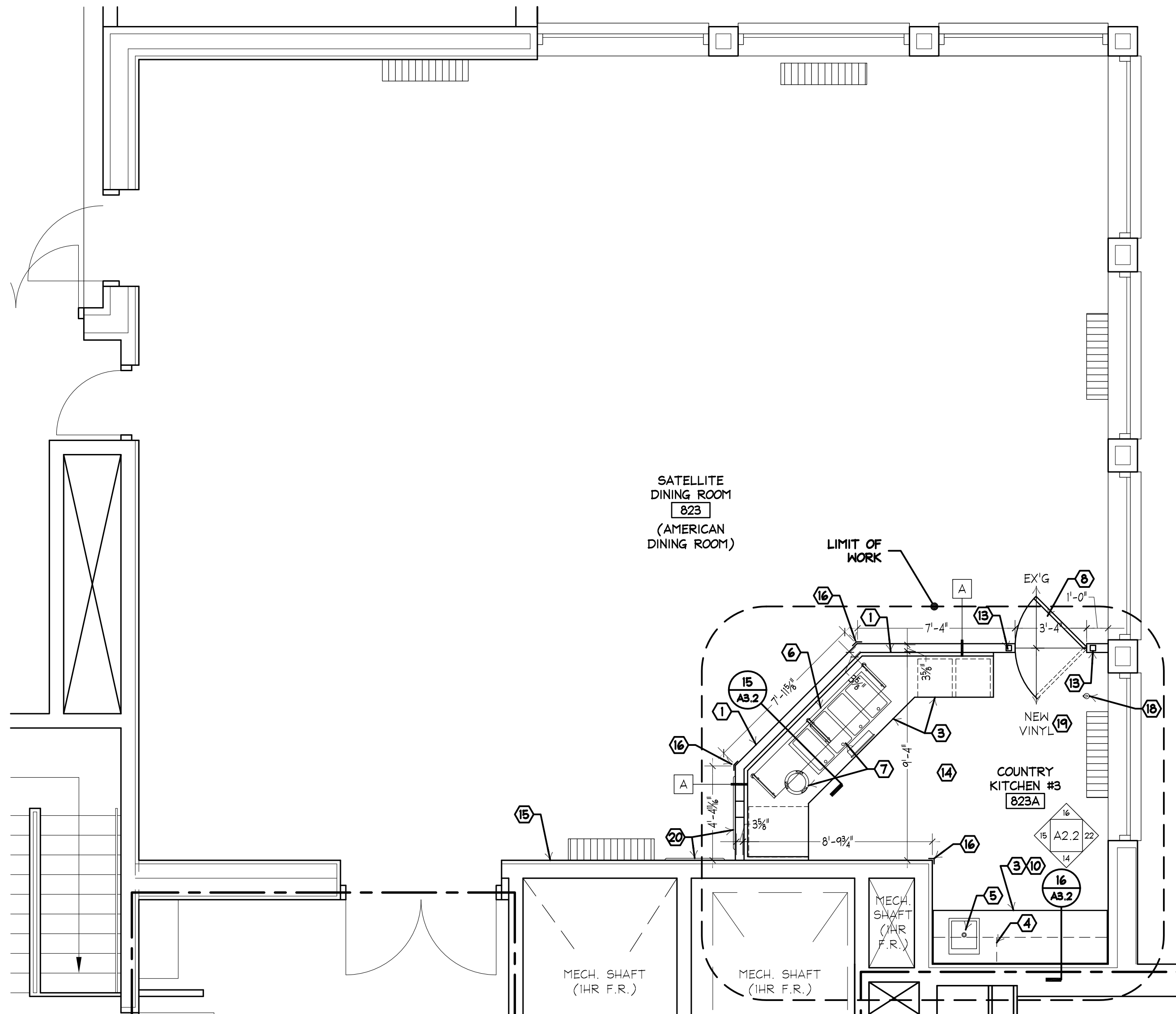
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2. PATCH CONCRETE / METAL DECK FLOOR CONSTRUCTION AT ALL REMOVED PENETRATIONS SEE DETAILS.
3. ALL EXISTING QUARRY TILE FLOORING AND CERAMIC WALL TILE AND GROUT SHALL BE THOROUGHLY CLEANED - SEE SPEC NOTE ON G1.0
4. CUT AND PATCH TO MATCH ALL EXISTING WALLS / FLOORS / CEILINGS AS REQUIRED FOR NEW EQUIPMENT AND FIXTURE WORK - REFER TO MEP, FP, AND FS DRAWINGS.

KEYED NOTES: (#)

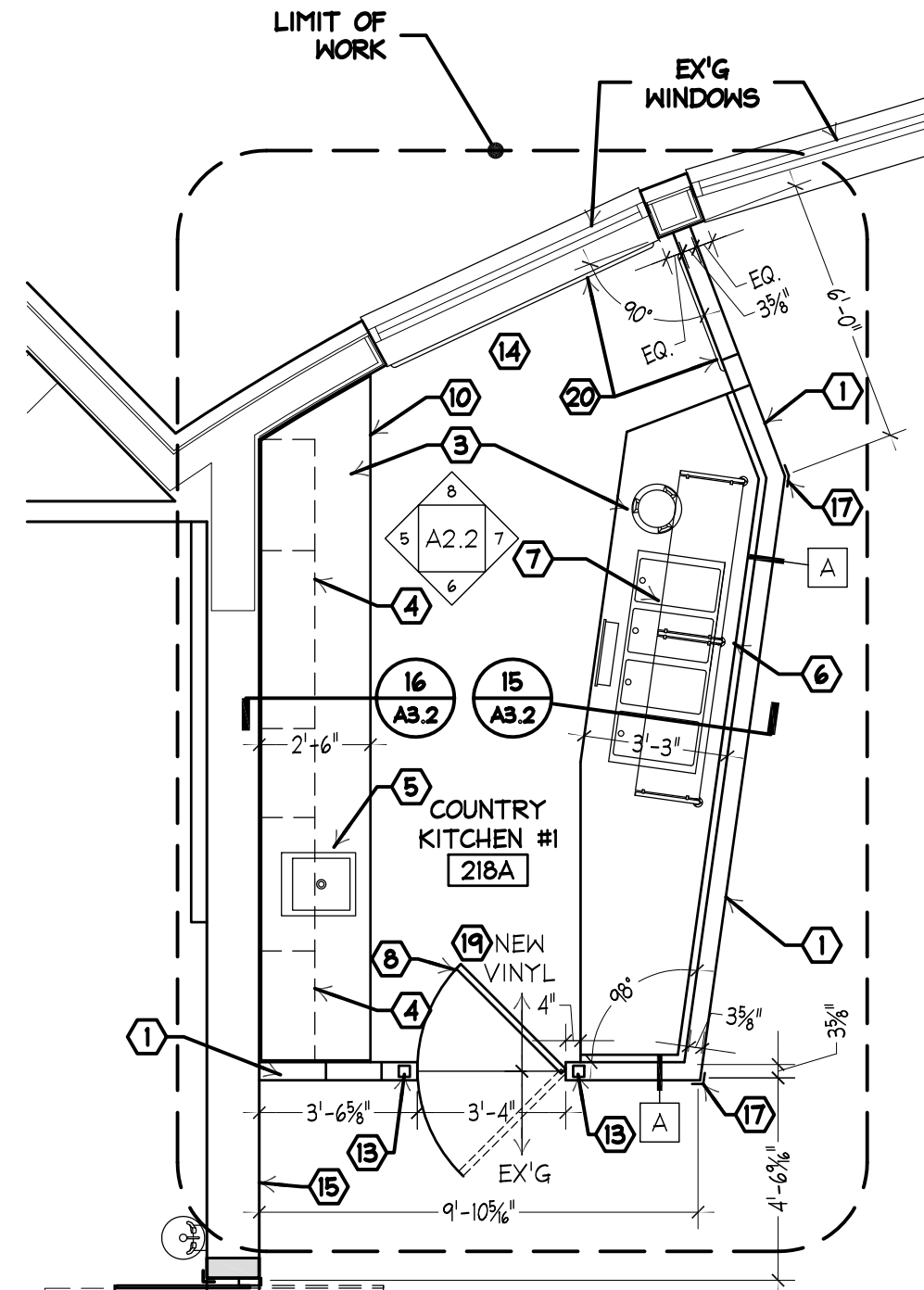
1. NEW PARTIAL HEIGHT WALL - 3½" @ 16" O.C. METAL STUD FRAMING WITH ½" GMB BOTH SIDES & SOLID SURFACE CAP.
2. INFILL EXISTING WALL OPENING WITH NEW WALL CONSTRUCTION TO MATCH EXISTING.
3. NEW BUILT-IN MILLWORK BASE CABINETS.
4. NEW 15" DEPTH WALL-MOUNT MILLWORK CABINETS.
5. NEW DROP-IN SINK - SEE P-DRAWINGS.
6. NEW GLASS SHIELD / SHELF - SEE FS-DRAWINGS.
7. NEW BUILT-IN FOOD SERVICE EQUIPMENT - SEE FS-DRAWINGS.
8. NEW 1½" THICK P-LAM GATE WITH SOLID SURFACE WALL CAP TURNED DOWN TO FLOOR AT JAMBS.
9. NEW MOVABLE STEAM TABLE - SEE FS-DRAWINGS.
10. NEW SOLID SURFACE COUNTERTOPS.
11. NEW FULL HEIGHT PARTITION, TYPICAL.
12. NEW 1-HOUR FIRE RATED COUNTER FIRE DOOR HOUSING RECESSED IN SOFFIT ABOVE.
13. NEW CONCEALED 2" X 2" X ¼" STEEL POST PARTIAL HEIGHT WALL BRACE WITH WELDED BASE PLATE ANCHORED TO FLOOR STRUCTURE - SEE DETAILS.
14. PAINT ALL NEW AND EXISTING GMB WALLS AND CEILINGS, HOLLOW METAL DOORS AND FRAMES, THIS ROOM / AREA.
15. RE-PAINT WALL TO CORNER.
16. NEW VINYL CORNER GUARD FULL HEIGHT OF WALL, UNLESS OTHERWISE NOTED - SEE ELEVATIONS.
17. NEW CUSTOM ANGLE CORNER GUARD - SEE ELEVATION FOR HEIGHT.
18. NEW FLOOR MOUNT DOOR STOP.
19. NEW VINYL / VCT FLOORING.
20. NEW SINGLE ROW WALL BUMPER - SEE INTERIOR ELEVATIONS. MOUNTING HEIGHT TO BE VERIFIED IN FIELD WITH ARCHITECT.



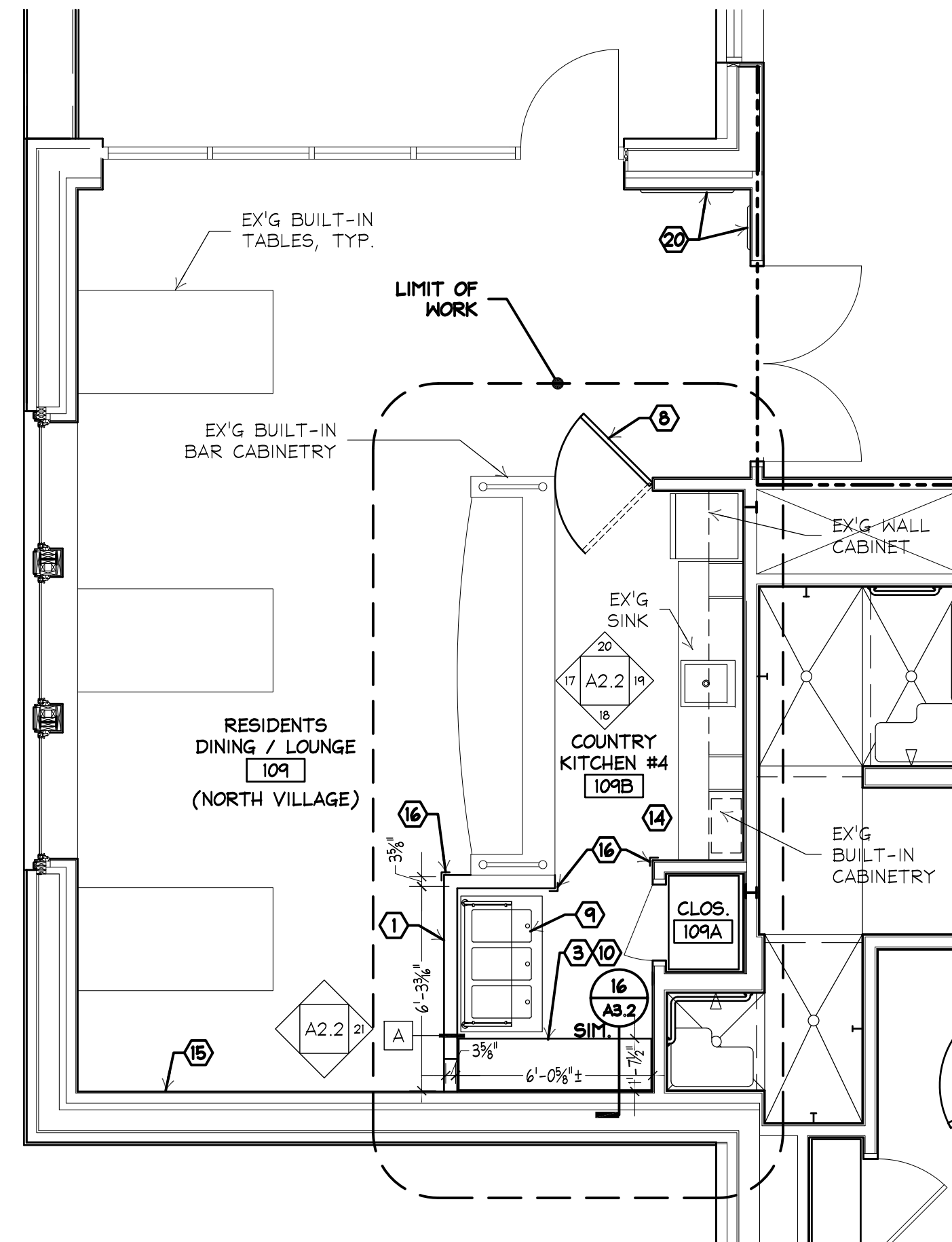
4 COUNTRY KITCHEN #2 PLAN @ NAMASTE ROOM 322 (BRANDON BLVD.)
1/4" = 1'-0"
DEDUCT ALTERNATE #4



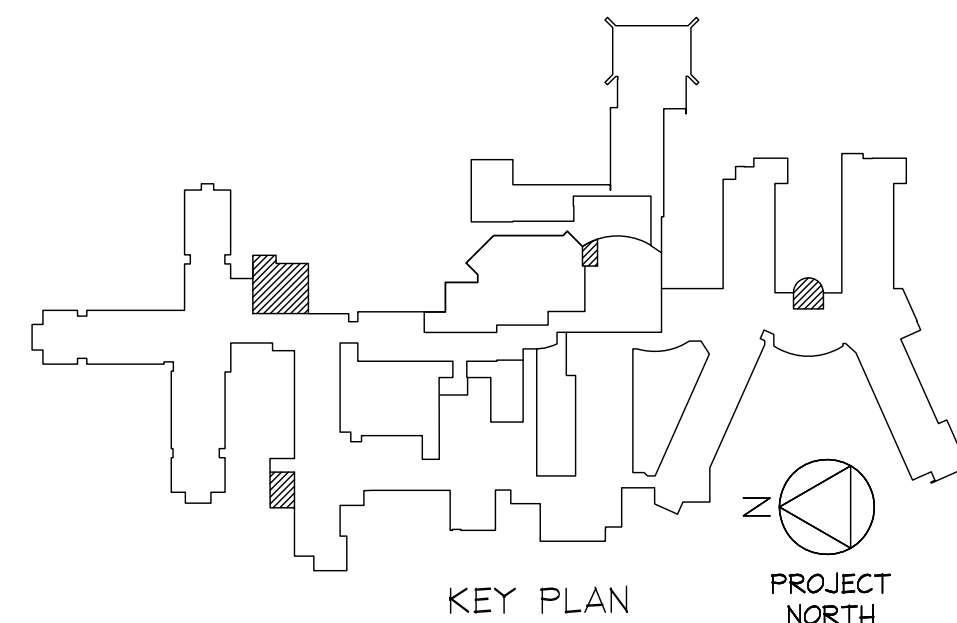
3 COUNTRY KITCHEN #3 PLAN @ SATELLITE DINING ROOM 823 (AMERICAN DINING ROOM)
1/4" = 1'-0"
DEDUCT ALTERNATE #3



2 COUNTRY KITCHEN #1 PLAN @ DINING ROOM 218 (PATRIOT HALL)
1/4" = 1'-0"
DEDUCT ALTERNATE #2

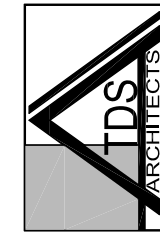


1 COUNTRY KITCHEN #4 PLAN @ RESIDENT DINING / LOUNGE 109 (NORTH VILLAGE)
1/4" = 1'-0"
DEDUCT ALTERNATE #1



TIMOTHY D. SMITH & ASSOCIATES, P.C.

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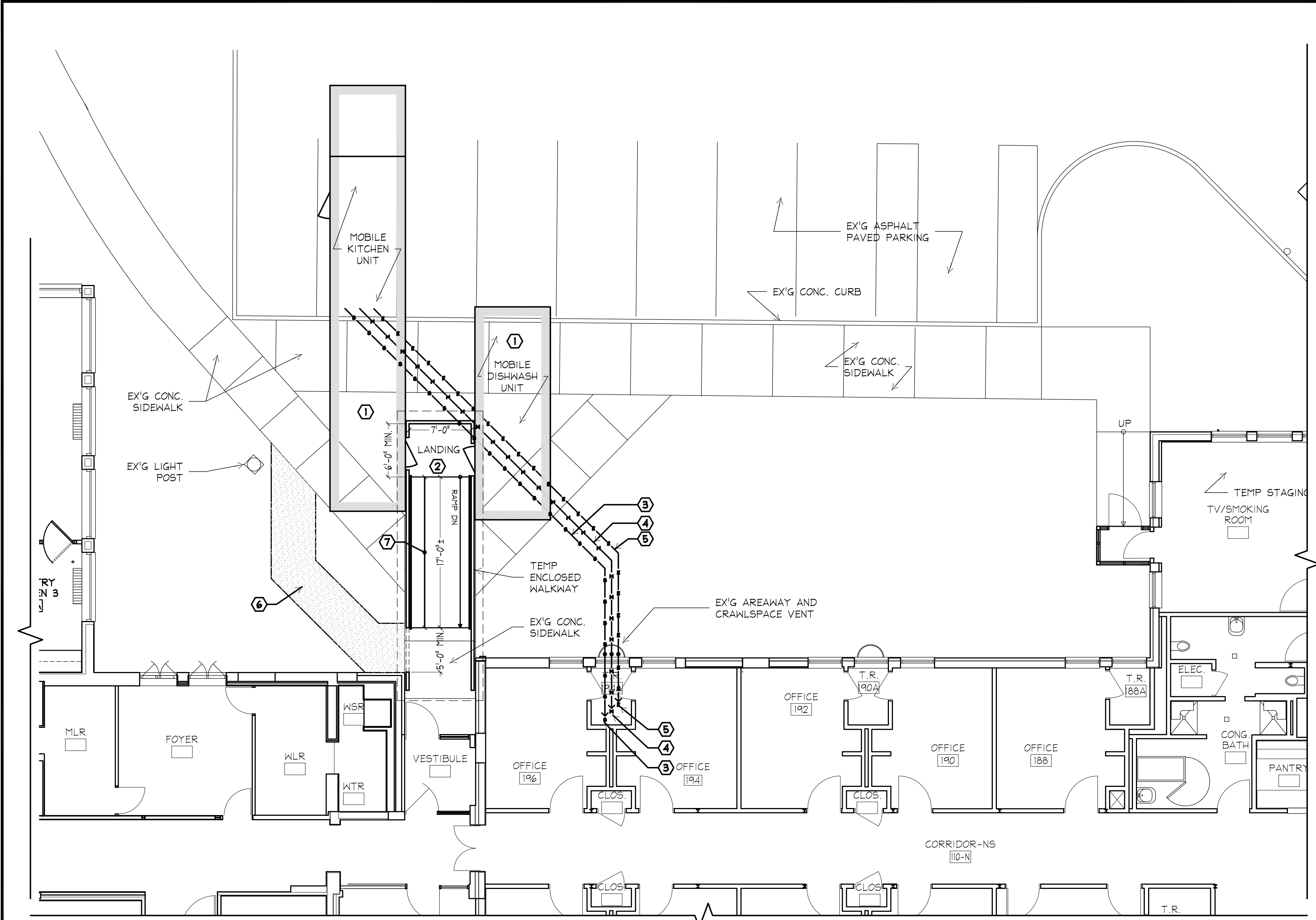
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VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT

COUNTRY KITCHEN FLOOR PLANS

BID SET

A1.2

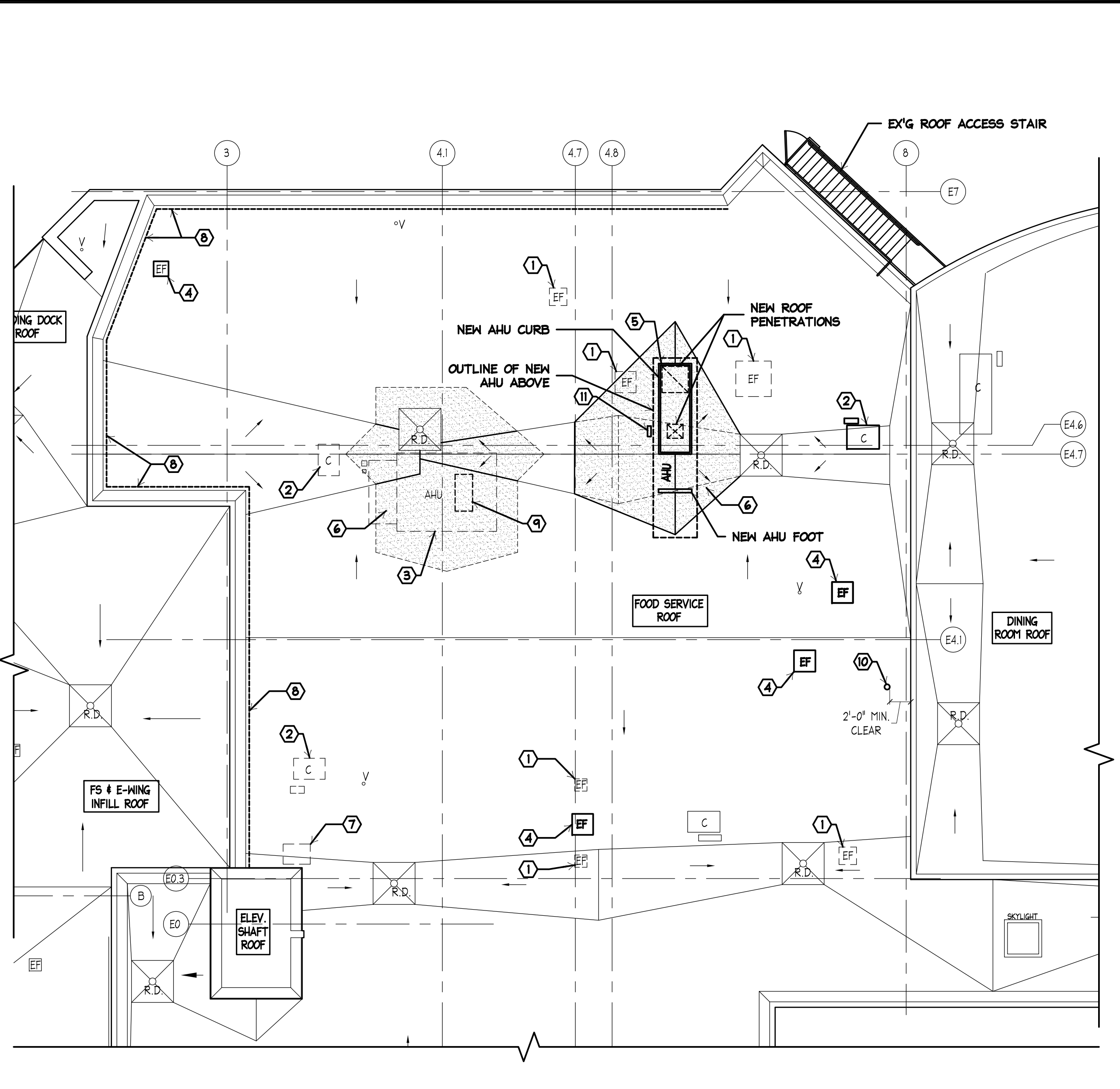
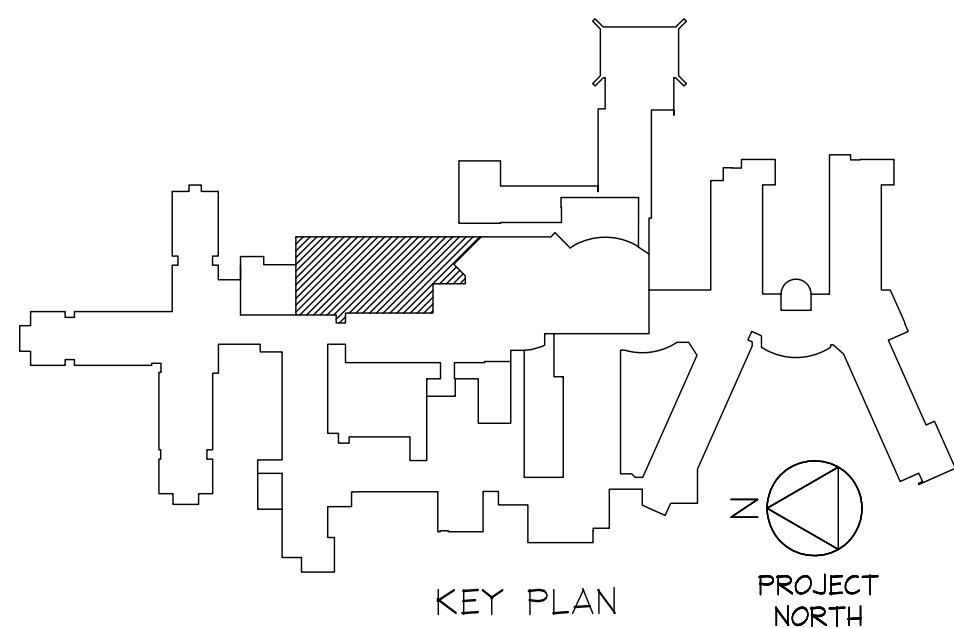


TEMP KITCHEN PLAN GENERAL NOTES:

1. REFER TO TEMPORARY FACILITIES, SPEC SECTION 01000, FOR ADDITIONAL INFORMATION.

TEMP KITCHEN PLAN KEYED NOTES: (B)

- TEMPORARY KITCHEN / DISHWASH TRAILER UNIT. SET FLOOR LEVEL AT APPROXIMATELY 22' ABOVE GRADE.
- TEMPORARY ENCLOSED WALKWAY:
 - WALLS: 3 $\frac{3}{4}$ " @ 16" O.C. METAL FRAMED WALLS, 13 FEET \pm HIGH, SET ON EXISTING CONCRETE SIDEWALK OR GRASS. AT GRASS LOCATIONS USE (2) 2 X 8 PT PLATE AT BASE OF WALL. AT INTERIOR FACE OF STUDS INSTALL 4'-0" HIGH CONTINUOUS $\frac{1}{2}$ " PLYWOOD PROTECTION BOARD INSTALLED AT 18" ABOVE FLOOR / GRADE LEVEL. SAND ALL EDGES OF PROTECTION BOARD AND PAINT. INSTALL $\frac{1}{2}$ " PAINTED WOOD HANDRAIL WITH METAL WALL BRACKETS BOTH SIDES OF RAMP.
 - RAMP AND LANDING FLOOR: 6" @ 16" O.C. METAL JOISTS WITH $\frac{3}{4}$ " FRT PLYWOOD, PAINT PLYWOOD. RAMP MAXIMUM SLOPE 1:12.
 - ROOF: 6" @ 16" O.C. METAL JOISTS WITH $\frac{3}{4}$ " FRT PLYWOOD, MINIMUM 12" OVERHANG AT WALLS. APPLY PEEL-N-STICK ROOFING MEMBRANE ON PLYWOOD. PITCH ROOF TO DRAIN OFF SOUTH EDGE.
 - INSTALL TEMPORARY LIGHTING AS REQUIRED.
- TEMPORARY SEWER CONNECTION FROM KITCHEN AND DISHWASH UNITS AS REQUIRED, TIED IN TO EXISTING SANITARY DRAIN PIPING IN CRAWLSPACE OF EAST WING - V.I.F.
- TEMPORARY WATER SUPPLY CONNECTION FROM KITCHEN AND DISHWASH UNITS AS REQUIRED, TIED INTO EXISTING WATER SUPPLY PIPING IN EAST WING CRAWLSPACE - V.I.F.
- TEMPORARY ELECTRICAL SUPPLY CONNECTION FROM KITCHEN AND DISHWASH UNITS AS REQUIRED, TIED INTO ELECTRICAL PANEL IN A-WING BASEMENT (APPROX. 150 FEET) - V.I.F.
- TEMPORARY SURE-PACK SIDEWALK, 5'-0" MINIMUM WIDTH.
- LENGTH OF RAMP AS REQUIRED TO PROVIDE 1:12 MAXIMUM SLOPE (24'-0" MAXIMUM).

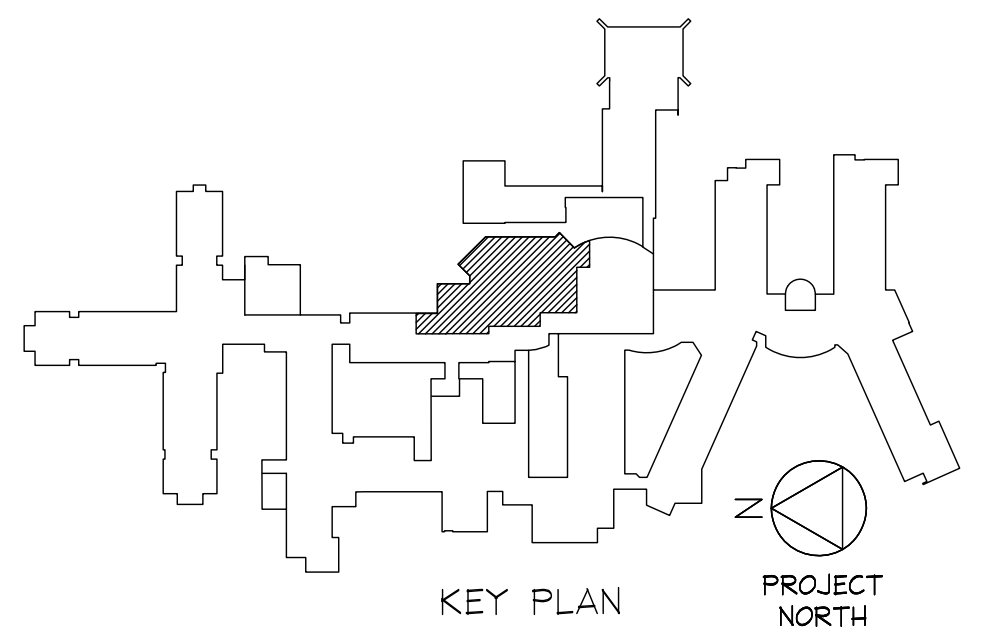


ROOF PLAN GENERAL NOTES:

1. EXISTING ROOFING SYSTEM OVER PROJECT AREA CONSISTS OF; FIRESTONE TPO MEMBRANE, 5" MIN. INSULATION, ON EXISTING METAL DECK, INSTALLED IN 2015 WITH MANUFACTURER'S 20 YEAR WARRANTY. ALL REPAIRS SHALL BE IN FULL COMPLIANCE WITH MANUFACTURER'S REQUIREMENTS FOR MAINTAINING WARRANTY.

ROOF PLAN KEYED NOTES: (B)

- EXISTING EXHAUST FAN AND DUCTWORK TO BE REMOVED - SEE M & E DRAWINGS. REMOVE EXISTING FAN CURB AND FLASHINGS. INFILL ROOF DECK OPENING AS REQUIRED - SEE DETAILS ON SHEET A3.1. PATCH EXISTING TPO ROOFING MEMBRANE AND INSULATION AS REQUIRED TO MATCH EXISTING.
- CONDENSER UNIT AND PIPING TO BE REMOVED - SEE M & E DRAWINGS. REMOVE EQUIPMENT CURB AND FLASHINGS. REMOVE PITCH POCKET FLASHING AND PATCH METAL DECKING AT PENETRATIONS AS REQUIRED - SEE DETAIL ON SHEET A3.1. PATCH TPO ROOFING MEMBRANE AND INSULATION TO MATCH EXISTING.
- AIR HANDLING UNIT AND CURB TO BE REMOVED IN ITS ENTIRETY SEE M&E DRAWINGS. PATCH TPO ROOFING SYSTEM TO MATCH EXISTING INCLUDING ADDITIONAL TAPERED INSULATION AS REQUIRED TO PITCH TO DRAINS.
- NEW EXHAUST FAN TO REPLACE EXISTING - SEE M-DRAWINGS.
- NEW AIR HANDLING UNIT - SEE M-DRAWINGS. POSITION UNIT CURB CENTERED OVER TWO JOISTS AND AS SHOWN ON PARTIAL FRAMING PLAN. CUT AND FRAME (2) NEW OPENINGS THROUGH ROOF DECK AS REQUIRED. REINFORCE OPENINGS AND PROVIDE STRUCTURAL STEEL AS REQUIRED TO SUPPORT UNIT - SEE DETAIL 5/A3.1.
- AT EXISTING SUMP AROUND PERIMETER OF EXISTING AHU, CUT AND PATCH TPO ROOFING SYSTEM TO MATCH EXISTING. PROVIDE NEW UNIFORM THICKNESS AND TAPERED INSULATION AS REQUIRED TO PROVIDE PITCH TO DRAINS AS SHOWN.
- EXISTING AIR INTAKE DUCT GOOSENECK TO BE REMOVED, SEE M-DNGS. INFILL/PATCH METAL ROOF DECK (SEE DETAILS ON A3.1) AND TPO INSULATION SYSTEM AS REQUIRED TO MATCH EXISTING.
- NEW SPRAY FOAM INSULATION, 2" MIN. THICKNESS, AT INSIDE FACE OF CMU EXTERIOR WALL BELOW FROM UNDERSIDE OF ROOF DECK DOWN TO CEILING LEVEL (APPROX. 4' HIGH) - SEE DETAIL.
- EXISTING DUCT PENETRATION TO BE INFILLED - SEE DETAIL 7/A3.1
- NEW GAS VENT PIPE PENETRATION - SEE P-DRAWINGS. CUT / PATCH ROOF DECKING AND TPO ROOFING SYSTEM AS REQUIRED. PROVIDE HOT-STACK SLEEVE AND FLASHING ROOF PENETRATION DETAIL.
- NEW PITCH POCKET(S) AS REQUIRED FOR GAS AND ELECTRICAL PIPING PENETRATIONS FOR NEW AHU.



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#50-012

VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT

ROOF PLAN / TEMPORARY KITCHEN PLAN

BID SET

A1.3

DATE: JAN. 26, 2016

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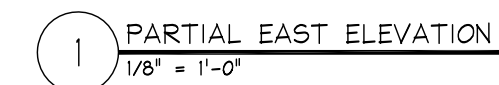
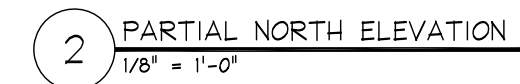
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JOB NO. 15858.00



KEYED NOTES: 

1. NEW ALUMINUM CASSEMENT WINDOWS, SEE DETAILS.
2. NEW BRICK INFILL AT REMOVED DOORS / WINDOWS. NEW BRICK TO MATCH EXISTING AND BE TOOTHED IN AT JAMBS.
 - A. REMOVE ROWLOCK BRICK SILL.
3. REMOVE AND REPLACE SEALANT JOINT AT BRICK EXPANSION JOINT.
4. EXISTING VENT PIPING TO BE REMOVED - SEE P-DRAWINGS. PATCH ANCHOR HOOK IN BRICK MORTAR AS REQUIRED.
5. NEW DOOR AND FRAME, SEE PLANS AND SCHEDULE. NEW PERIMETER SEALANT.
6. EXISTING CRACK IN 4" BRICK VENEER / 8" CMU BACK-UP: REMOVE AND REPLACE CRACKED BRICK. TUCK POINT CRACKED MORTAR JOINTS IN BRICK AND CMU.
7. CRACKED BRICK VENEER: REMOVE AND REPLACE CRACKED BRICK. TUCK POINT CRACKED MORTAR JOINTS.
8. CRACKED MORTAR BED JOINT BELOW ROWLOCK SILL: TUCK POINT FULL LENGTH OF WINDOW.



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VERMONT VETERANS' HOME
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BUILDING ELEVATIONS AND INTERIOR ELEVATIONS

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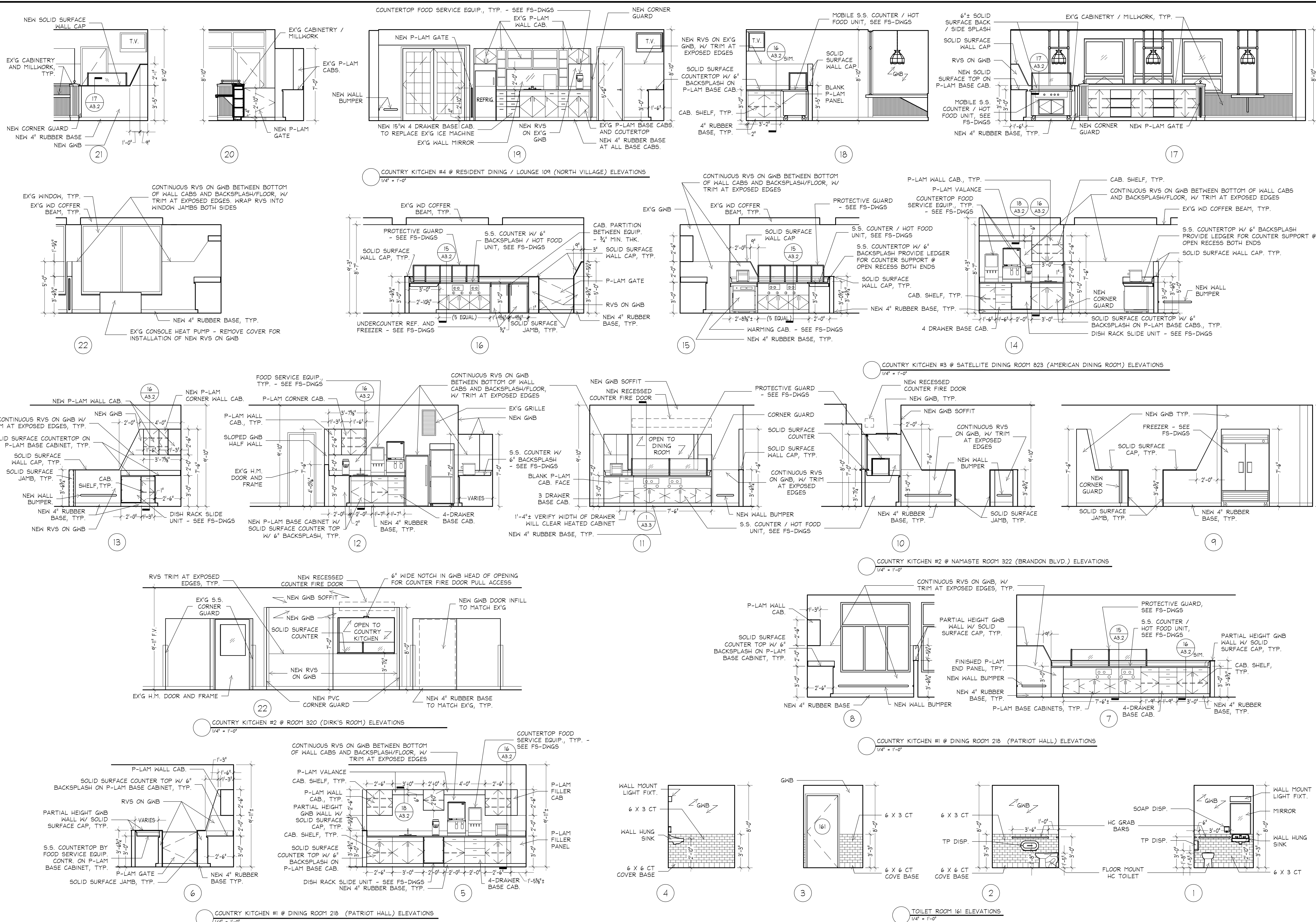
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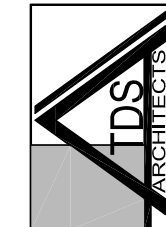
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VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT

INTERIOR ELEVATIONS

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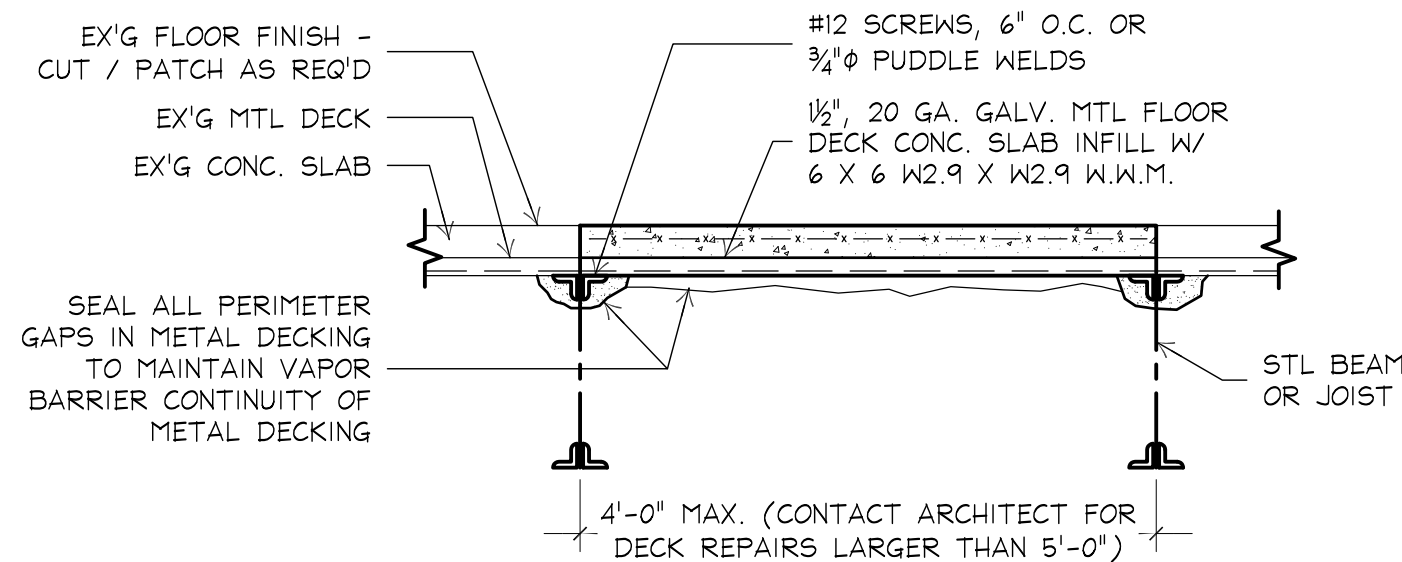
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DATE: JAN. 26, 2016

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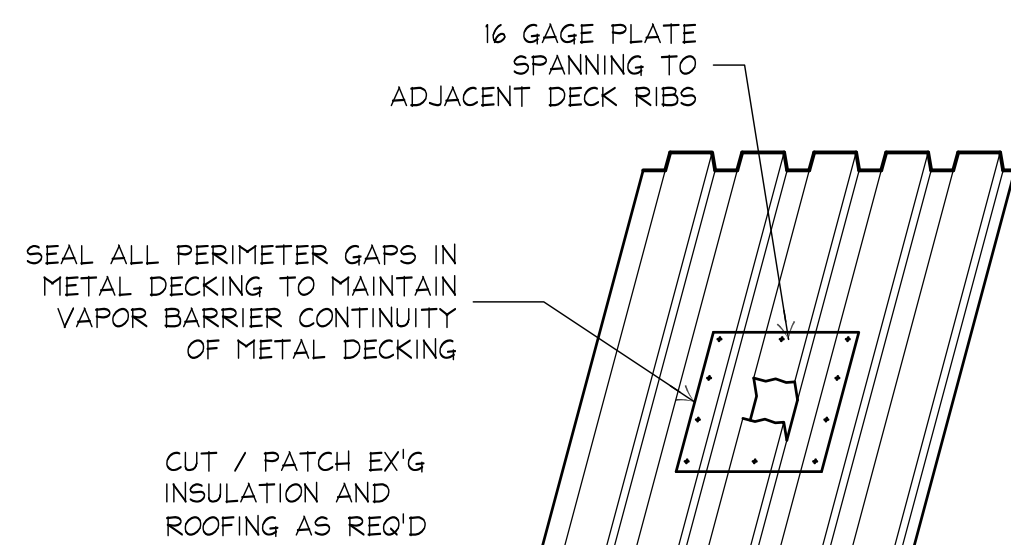
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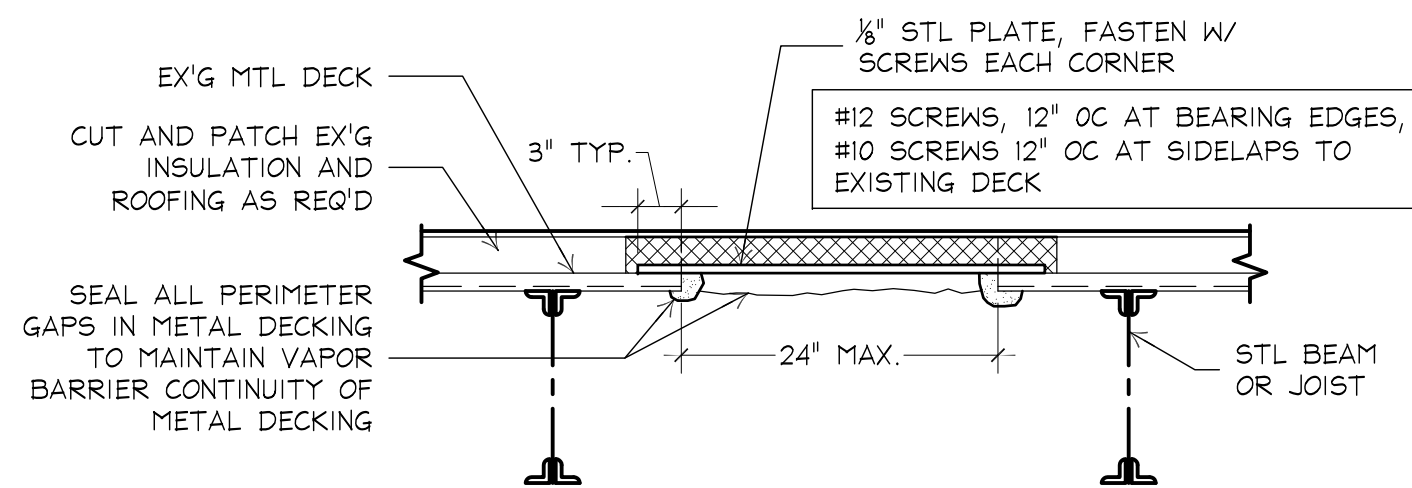
NOTE: PROVIDE THIS DETAIL AT ALL EXISTING FLOOR OPENINGS TO BE INFILLED. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS. FOR OPENINGS OR DAMAGED AREAS LESS THAN 12" ROUND OR SQUARE PATCH THE METAL DECK TO MATCH EXISTING (OR 16 GAGE PLATE), FASTENED TO UNDERSIDE OF DECK WITH TAPCONS @ 6" ON CENTER. ROUGHEN EDGE OF EXISTING CONCRETE AND INFILL THE AREA WITH REPAIR MORTAR SIKATOP 122 PLUS OR APPROVED EQUIVALENT.

10 TYPICAL FLOOR DECK REPAIR DETAIL
NTS

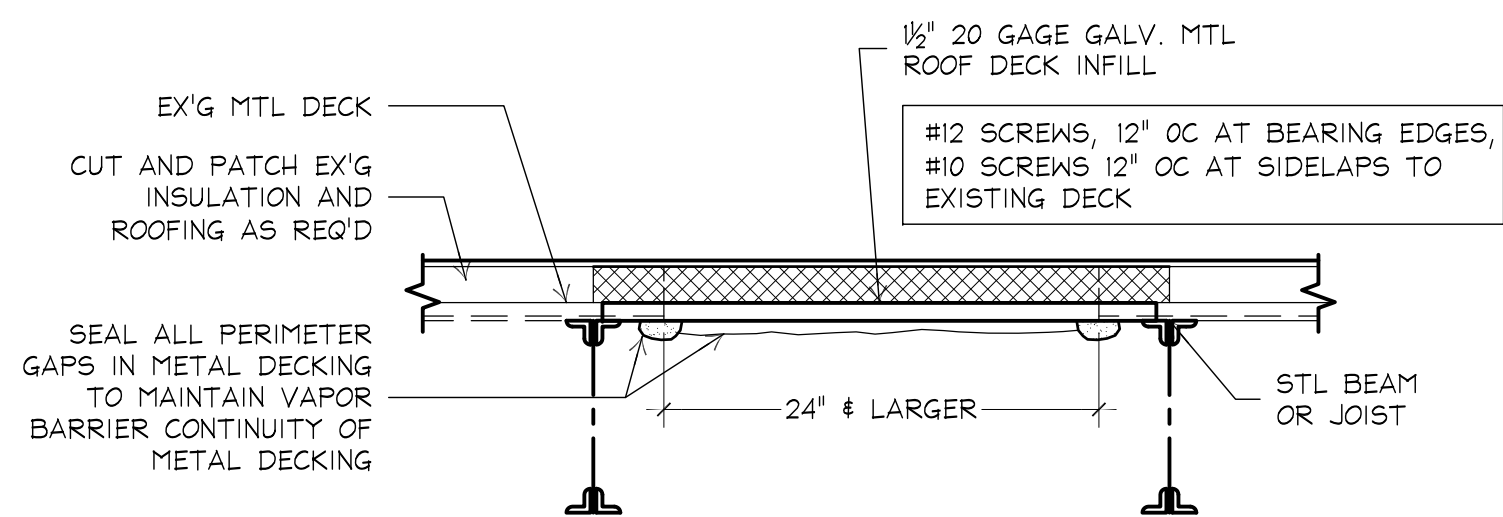


NOTE: PROVIDE THIS DETAIL AT ALL ROOF OPENINGS UP TO 12" ROUND OR SQUARE (NOT REQUIRED FOR OPENINGS LESS THAN 3" ROUND OR SQUARE). SEE ARCHITECTURAL AND HVAC DRAWINGS FOR ROOF OPENING LOCATIONS.

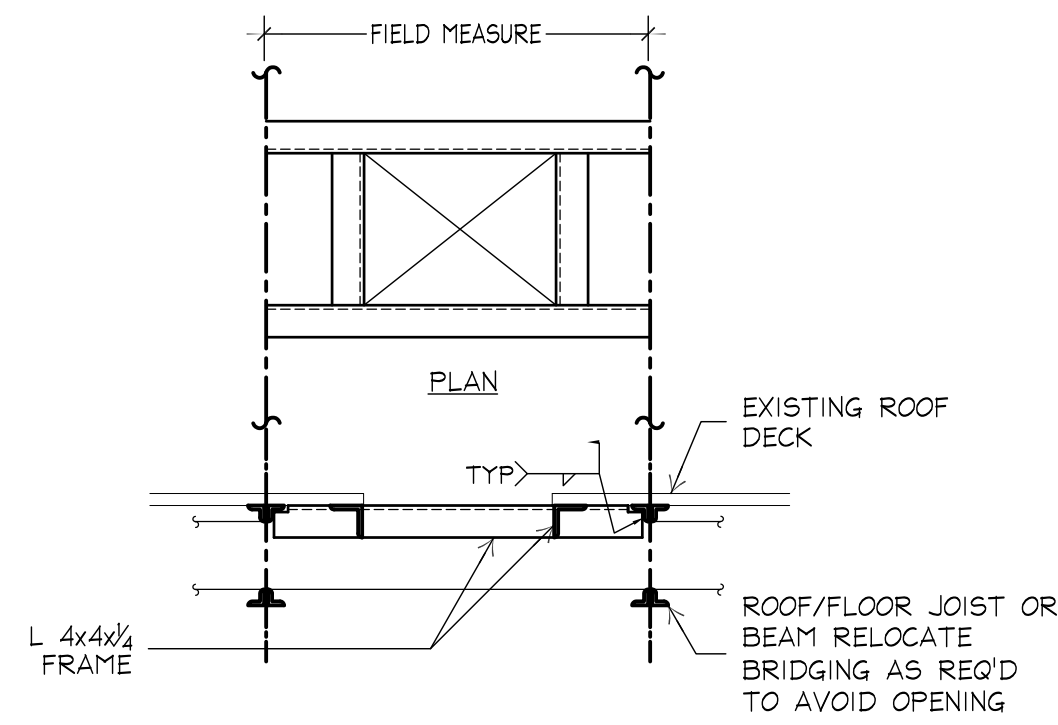
9 TYPICAL ROOF DECK REPAIR UP TO 12" ROUND OR SQUARE
NTS



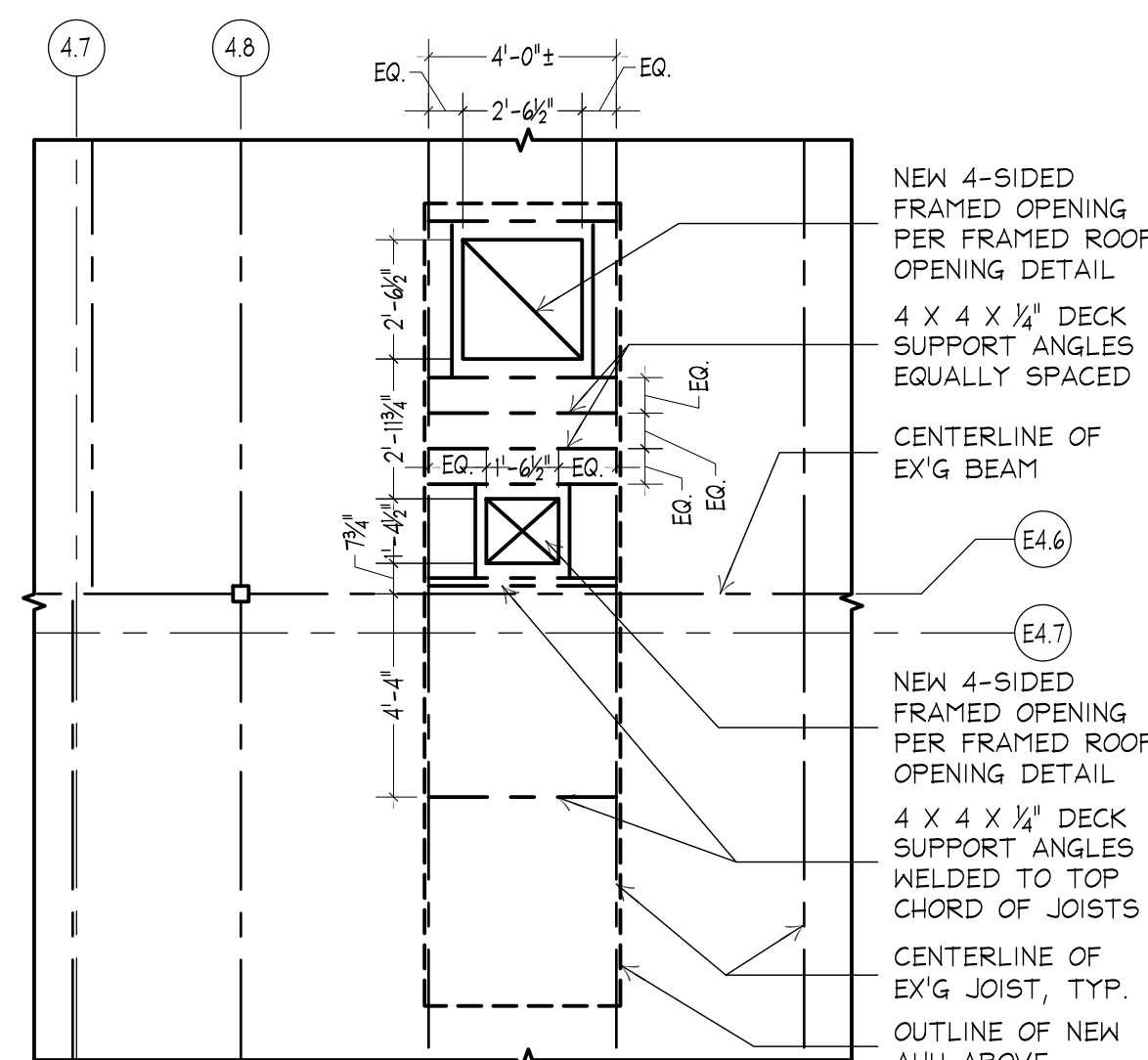
8 TYPICAL ROOF DECK REPAIR 12" UP TO 24"
NTS



7 TYPICAL ROOF DECK REPAIR 24" TO 48"
NTS

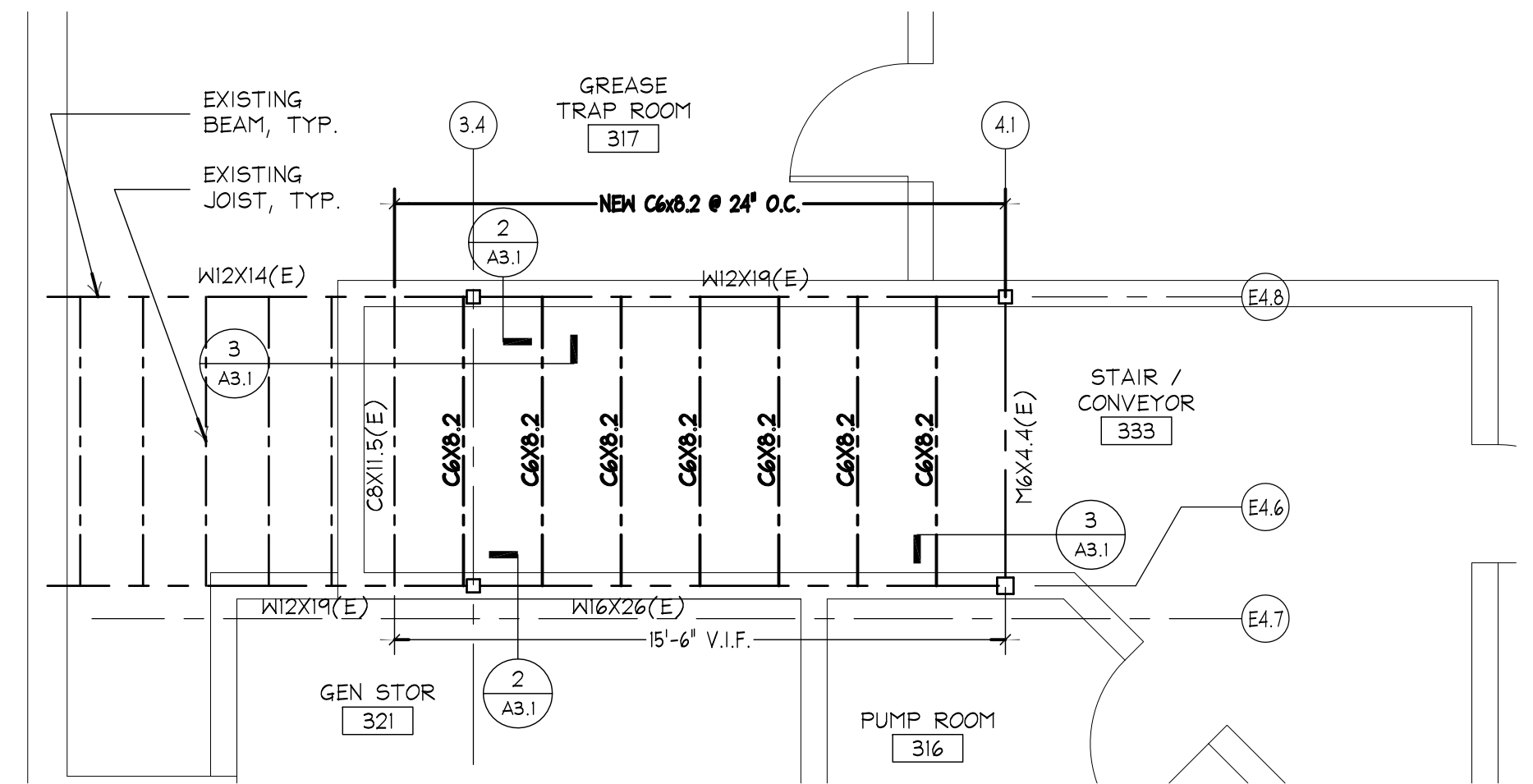


6 DETAIL @ NEW FRAMED ROOF OPENING
NTS

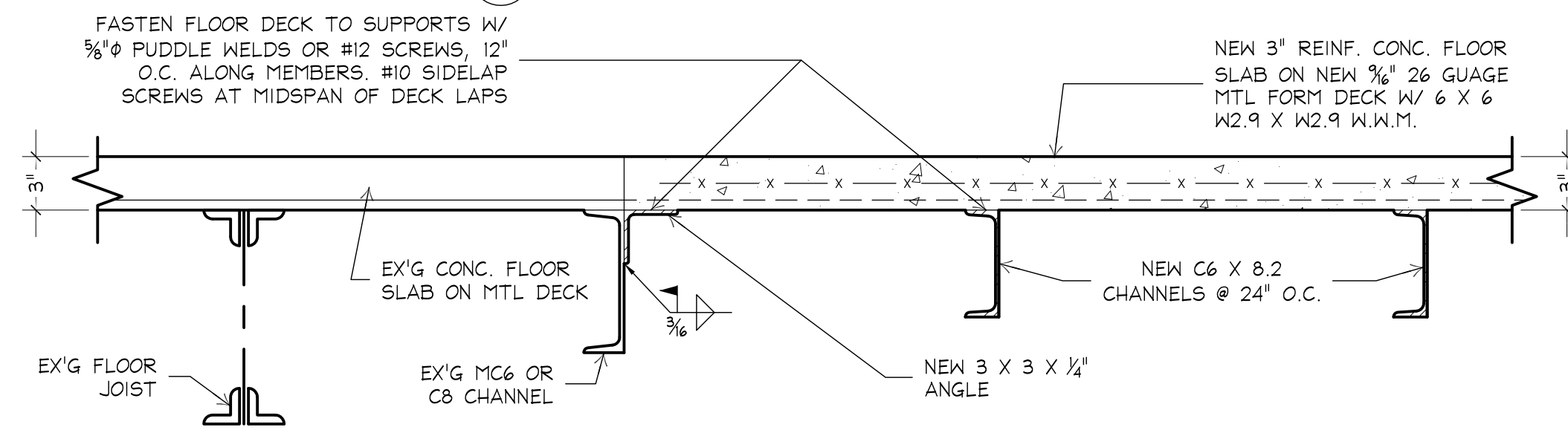


NOTE: VERIFY ALL DIMENSIONS WITH ACTUAL AIR HANDLING UNIT

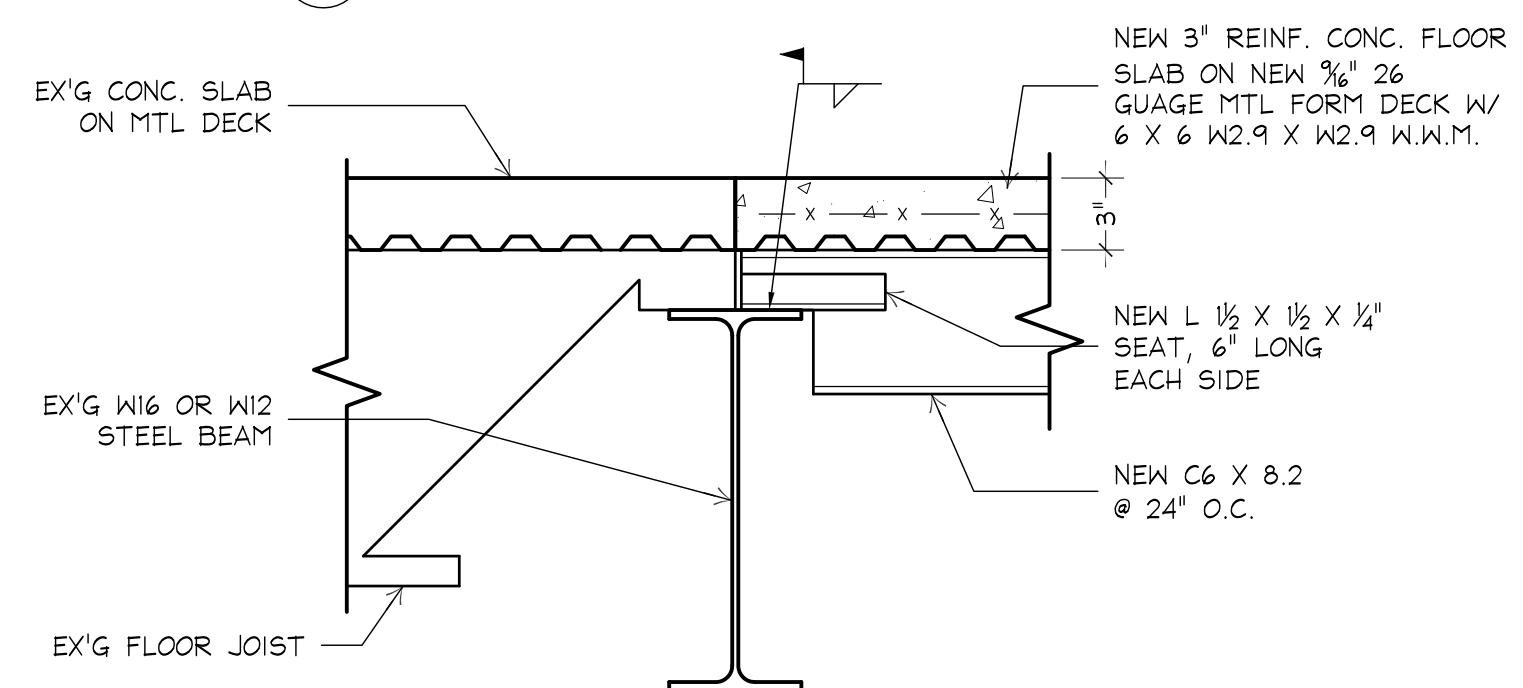
5 PARTIAL ROOF FRAMING PLAN @ NEW AHU
1/4" = 1'-0"



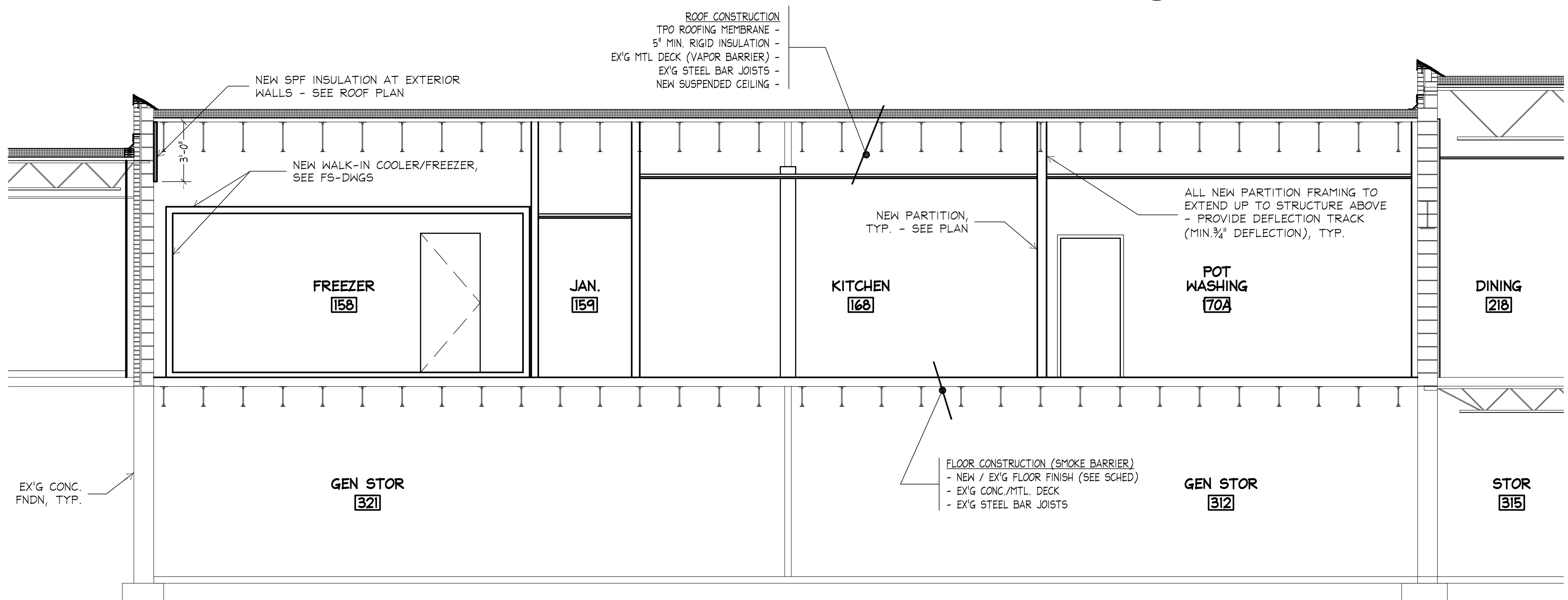
4 PARTIAL 1ST FLOOR FRAMING PLAN @ REMOVED STAIR OPENING INFILL
1/4" = 1'-0"



3 SECTION @ FLOOR INFILL AT REMOVED STAIR
1 1/2" = 1'-0"



2 SECTION @ FLOOR INFILL AT REMOVED STAIR
1 1/2" = 1'-0"



1 BUILDING SECTION
1/4" = 1'-0"

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VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT

SECTIONS AND DETAILS

BID SET

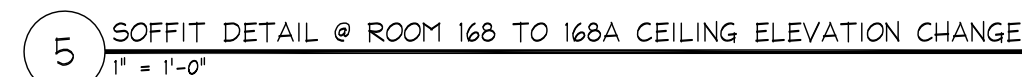
A3.1

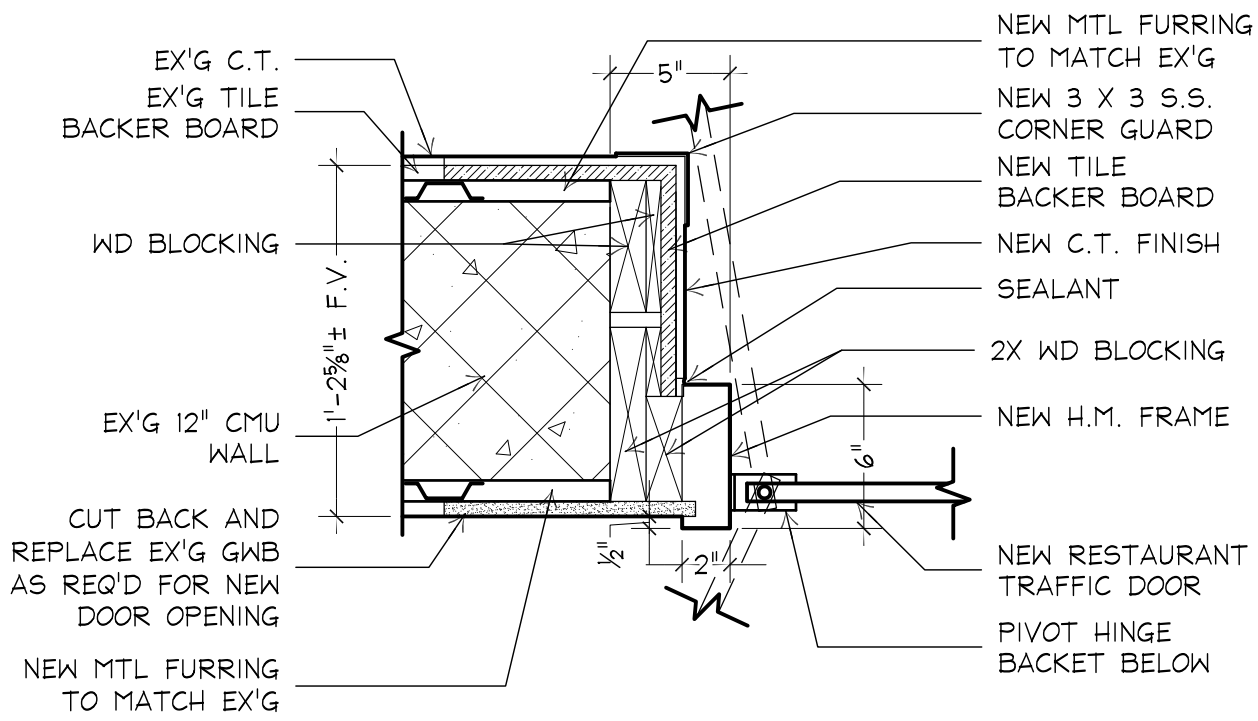
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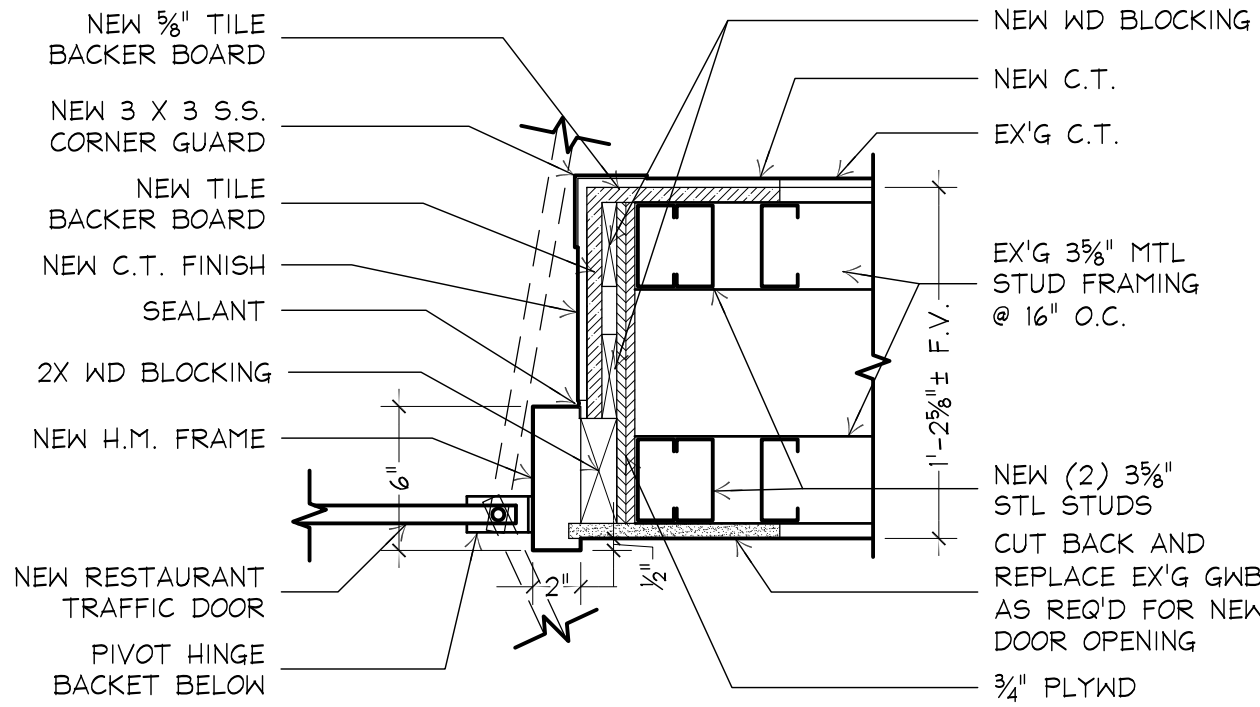
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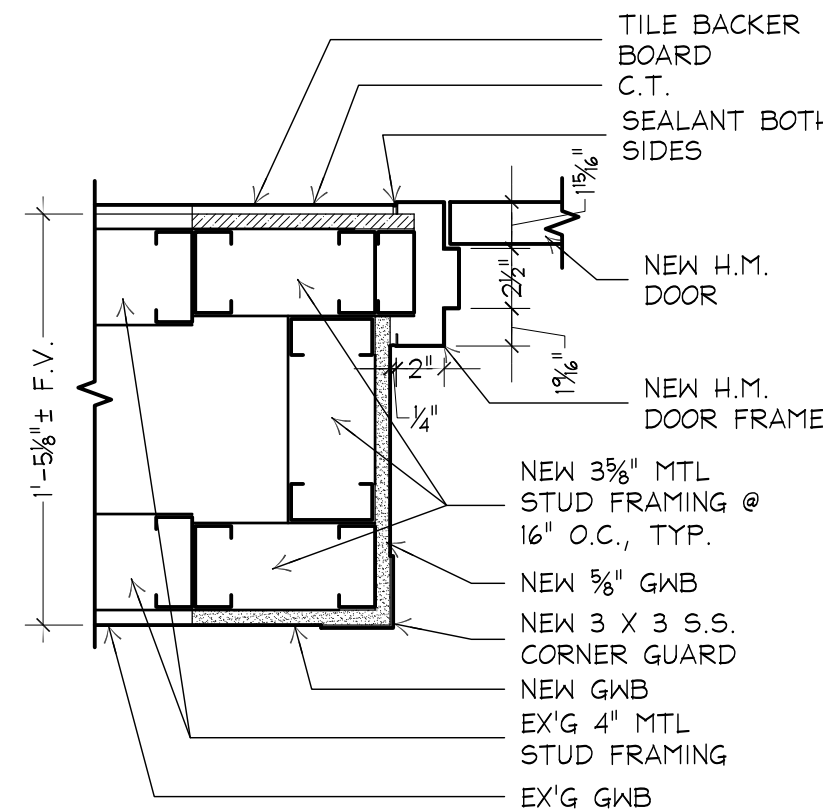




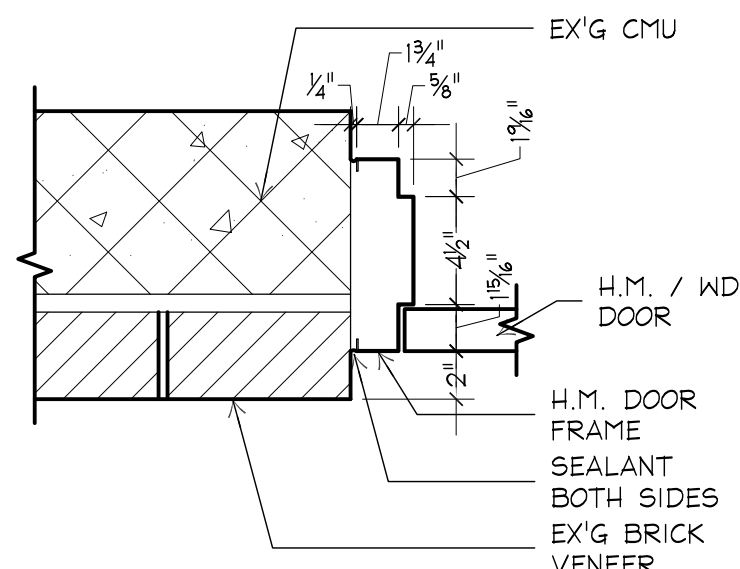
6 DOOR 168B JAMB DETAIL @ EX'G CMU WALL
1 1/2" = 1'-0"



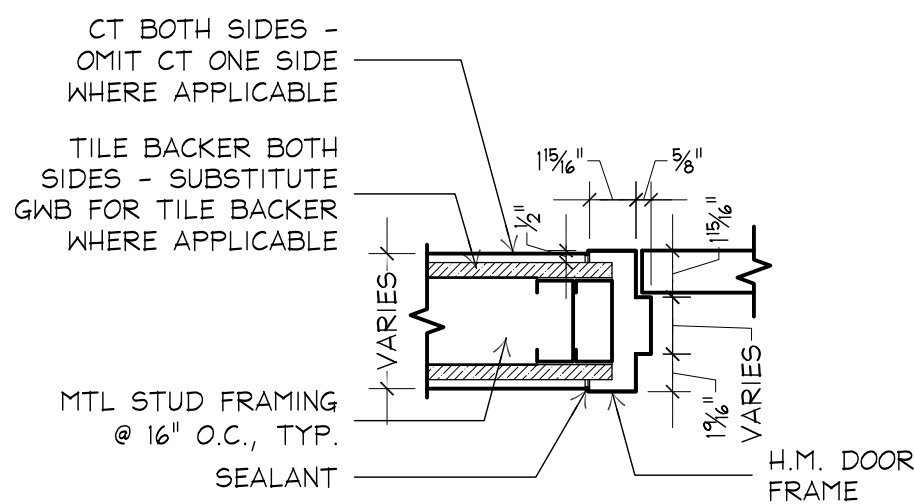
5 DOOR 168B JAMB DETAIL @ EX'G DBL STUD WALL
1 1/2" = 1'-0"



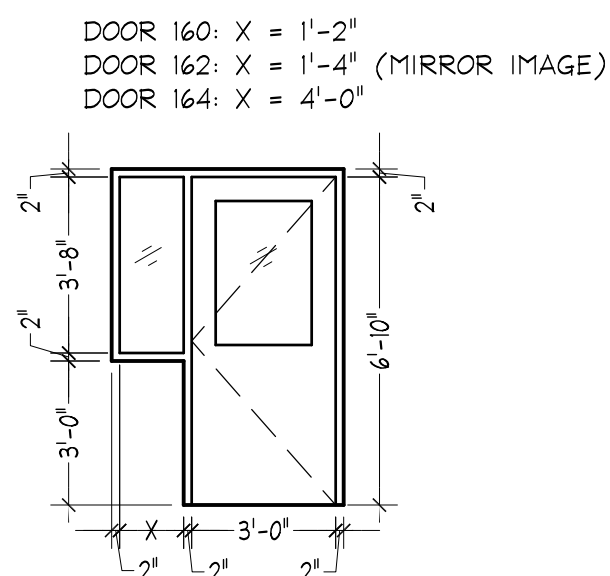
4 DOOR 170C JAMB DETAIL
1 1/2" = 1'-0"



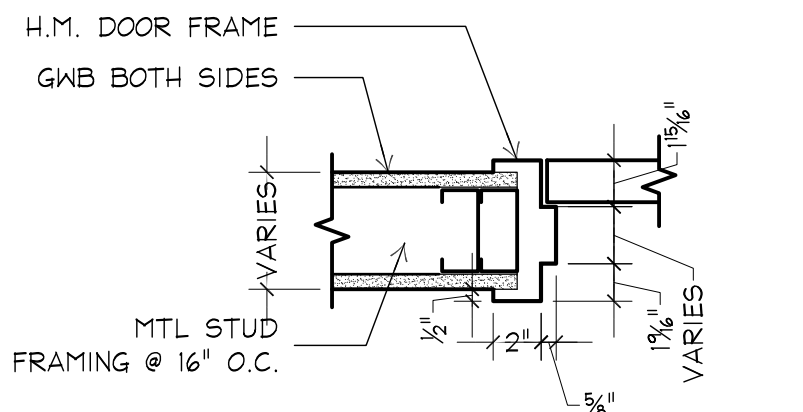
3 DOOR JAMB DETAIL
1 1/2" = 1'-0"



2 DOOR JAMB DETAIL
1 1/2" = 1'-0"



7 ELEVATION @ DOOR FRAME W/ SIDELIGHT
1/4" = 1'-0"



1 DOOR JAMB DETAIL
1 1/2" = 1'-0"

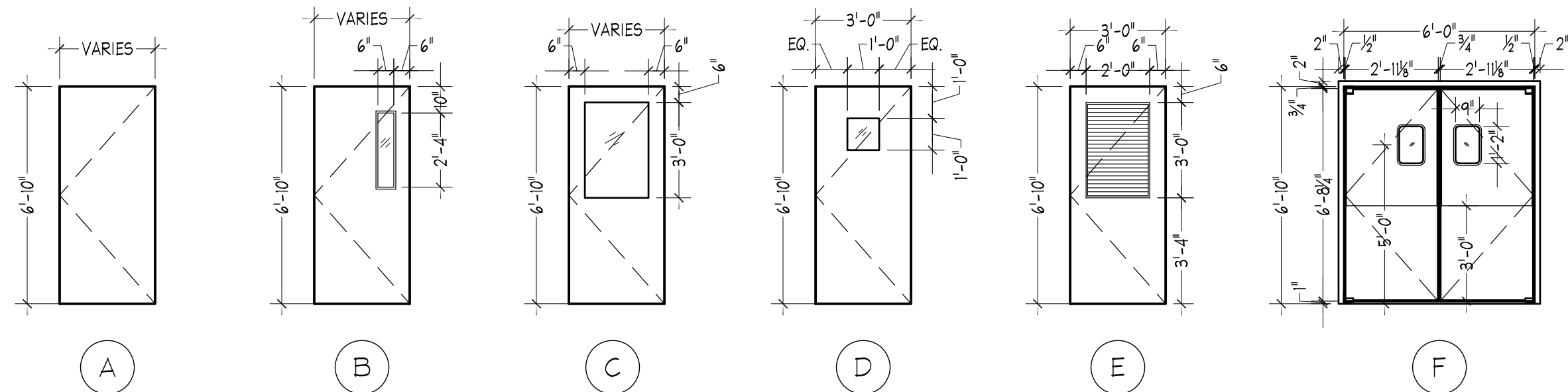
VERMONT VETERAN'S HOME - KITCHEN RENOVATION PROJECT : FINISH SCHEDULE										
ROOM #	ROOM NAME	FLOOR	BASE	WALLS				CEILING		NOTES
				NORTH	EAST	SOUTH	WEST	MATERIAL	HEIGHT	
156	FOOD STORAGE	VCT	RUB	GNB	GNB	GNB	GNB	ACT	8'-0"	
157	WALK-IN COOLER	MTL	-	MTL	MTL	MTL	MTL	MTL	8'-0"	SEE FS-DRAWINGS
158	WALK-IN FREEZER	MTL	-	MTL	MTL	MTL	MTL	MTL	8'-0"	SEE FS-DRAWINGS
159	JANITORS CLOSET	QT	QT	GNB/CT	GNB/CT	GNB	GNB	GNB	8'-0"	
160	OFFICE	VCT	RUB	GNB	GNB	GNB	GNB	ACT	8'-0"	
161	TOILET ROOM	CT	CT	GNB /CT	GNB/CT	GNB/CT	GNB/CT	GNB	8'-0"	
162	STAFF ROOM	VCT	RUB	GNB	GNB	GNB	GNB	ACT	8'-0"	
163	FOOD RECEIVING	CONC. (E)	RUB	CMU (E)	CMU (E)	GNB/CMU(E)	CMU (E)	GNB	8'-0"	PAINT EX'G CONC., CMU, AND GNB
164	SUPERVISOR'S OFFICE	VCT	RUB	GNB	GNB	GNB	GNB	ACT	8'-0"	
165	CART WASH	CUF	CUF	CT	CT	CT	CT	GNB	8'-0"	EPOXY PAINT CEILING
166	HALLWAY	VCT	RUB	GNB(E) / RVS	GNB(E) / RVS	GNB / RVS	GNB / RVS	ACT	8'-0"	
167	COMPOSTING ROOM	CONC. (E)	-	CMU(E)	CMU (E)	BRK (E)	BRK (E)	(E)	(E)	EPOXY PAINT ALL WALLS & CEILING
168	KITCHEN	QT	QT	GNB/CT	GNB/CT	GNB/CT	GNB/CT	ACT	10'-0"	WALL / FLOOR FINISHES EX'G & NEW
168A	CORRIDOR	QT	QT	GNB/CT	GNB/CT	GNB/CT(E)	GNB/CT	ACT	9'-0"	
170	DISH WASHING	CUF	CUF	CT(E)	CT	CT(E)	CT(E)	GNB	10'-0"	EPOXY PAINT CEILING
170A	POT WASHING	CUF	CUF	CT	CT	CT	CT	GNB	10'-0"	EPOXY PAINT CEILING
218	DINING ROOM	VAT (E)	RUB (E)	GNB(E)	GNB(E)	GNB (E)	GNB (E)	ACT (E)	11'-0"±(E)	
218A	COUNTRY KITCHEN 1	VNL	RUB	GNB(E) / RVS	GNB(E) / RVS	GNB / RVS	GNB / RVS	ACT (E)	11'-0"±(E)	
322	NAMASTE ROOM	VAT (E)	RUB (E)	GNB (E)	GNB (E)	GNB (E)	GNB (E)	ACT (E)	9'-10"±(E)	
322A	COUNTRY KITCHEN 2	VNL	RUB	GNB / RVS	GNB / RVS	GNB(E) / RVS	GNB / RVS	ACT (E)	9'-10"±(E)	
823	SATELLITE DINING ROOM	VCT (E)	RUB (E)	GNB (E)	GNB (E)	GNB (E)	GNB (E)	SP / WD(E)	9'-6"±(E)	
823A	COUNTRY KITCHEN 3	VNL	RUB	GNB / RVS	GNB / RVS	GNB(E) / RVS	GNB(E) / RVS	SP / WD(E)	9'-6"±(E)	
109	RESIDENTS DINING / LOUNGE	VNL (E)	RUB (E)	GNB (E)	GNB (E)	GNB (E)	GNB (E)	ACT (E)	8'-10"±(E)	
109A	COUNTRY KITCHEN 4	VNL (E)	RUB	GNB	GNB	GNB(E) / RVS	GNB(E) / RVS	ACT (E)	8'-10"±(E)	

ACT: ACOUSTICAL CEILING TILE
BRK: BRICK
CMU: CONCRETE MASONRY UNIT
CONC: CONCRETE
CT: CERAMIC TILE
CUF: CEMENTITIOUS URETHANE FLOORING
(E): EXISTING
GNB: GYPSUM WALL BOARD

MTL: METAL QUARRY TILE
RUB: RUBBER
RVS: RIGID VINYL SHEET
SP: SPLINE ACOUSTICAL CEILING
VAT: VINYL ASBESTOS TILE
VCT: VINYL COMPOSITION TILE
VNL: SHEET VINYL
WOM: WALK OFF MATT

VERMONT VETERAN'S HOME - KITCHEN RENOVATION PROJECT : DOOR SCHEDULE											
NO.	SIZE	DOOR				FRAME					REMARKS
		TO / FROM	TYPE	MATERIAL	FINISH	JAMB / HEAD	MATERIAL	FINISH	SWING	HARDWARE	
156A	3'-0" X 6'-10" X 1 3/4"	156 / 163	B	HM	PT	1 / A4.1	HM	PT	LH	3	
156B	3'-0" X 6'-10" X 1 3/4"	156 / 168	B	HM	PT	1 & 2 / A4.1	HM	PT	LH	3	
159	3'-0" X 6'-10" X 1 3/4"	159 / 168A	A	HM	PT	1 & 2 / A4.1	HM	PT	LHR	4	
160	3'-0" X 6'-10" X 1 3/4"	160 / 168A	C	WD	NAT	1 & 2 / A4.1	HM	PT	RH	5	W/ SIDELIGHT - SEE ELEV. 7 THIS SHEET
161	3'-0" X 6'-10" X 1 3/4"	161 / 162	A	WD	NAT	1 & 2 / A4.1	HM	PT	RHR	7	
162	3'-0" X 6'-10" X 1 3/4"	162 / 168A	C	WD	NAT	1 & 2 / A4.1	HM	PT	LH	6	W/ SIDELIGHT - SEE ELEV. 7 THIS SHEET
163	(1) 3'-6" X 6'-10" X 1 3/4" (1) 2'-6" X 6'-10" X 1 3/4"	163 / EXT	B / A	HM	PT	3 / A4.1	HM	PT	RHR / LHR	1	REFER TO ELEV. 2 ON A2.1
164	3'-0" X 6'-10" X 1 3/4"	164 / 168A	C	WD	NAT	1 & 2 / A4.1	HM	PT	RH	5	W/ SIDELIGHT - SEE ELEV. 7 THIS SHEET
166	3'-0" X 6'-10" X 1 3/4"	166 / 163	C	HM	PT	1 & 2 / A4.1	HM	PT	LHR	8	
167	3'-0" X 6'-10" X 1 3/4"	167 / EXT	E	HM	PT	3 / A4.1	HM	PT	RHR	2	
168A	3'-6" X 6'-10" X 1 3/4"	168 / 221	C	HM	PT	1 & 2 / A4.1	HM	PT	LHR	9	20 MINUTE FIRE RATING
168B	(2) 3'-0" X 6'-10" X 3/4"	218 / 168	F	WD	P-LAM	5 & 6 / A4.1	HM	PT	DBL ACT	SEE SPEC	
170A	3'-6" X 6'-10"	170 / 168	-	-	-	2 / A4.1	HM	PT	-	-	FRAME ONLY, NO DOOR
170B	3'-0" X 6'-10"	170A / 168	-	-	-	2 / A4.1	HM	PT	-	-	FRAME ONLY, NO DOOR
170C	3'-6" X 6'-10" X 1 3/4"	170 / 110-S	A	HM	PT	4 / A4.1	HM	PT	LH	10	20 MINUTE FIRE RATING

DBL ACT: DOUBLE ACTING
HM: HOLLOW METAL
NAT: NATURAL
PT: PAINT
WD: WOOD



DOOR TYPES
1/4" = 1'-0"

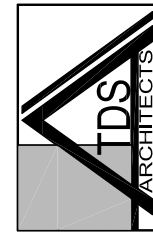
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VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT

SCHEDULES AND DOOR DETAILS

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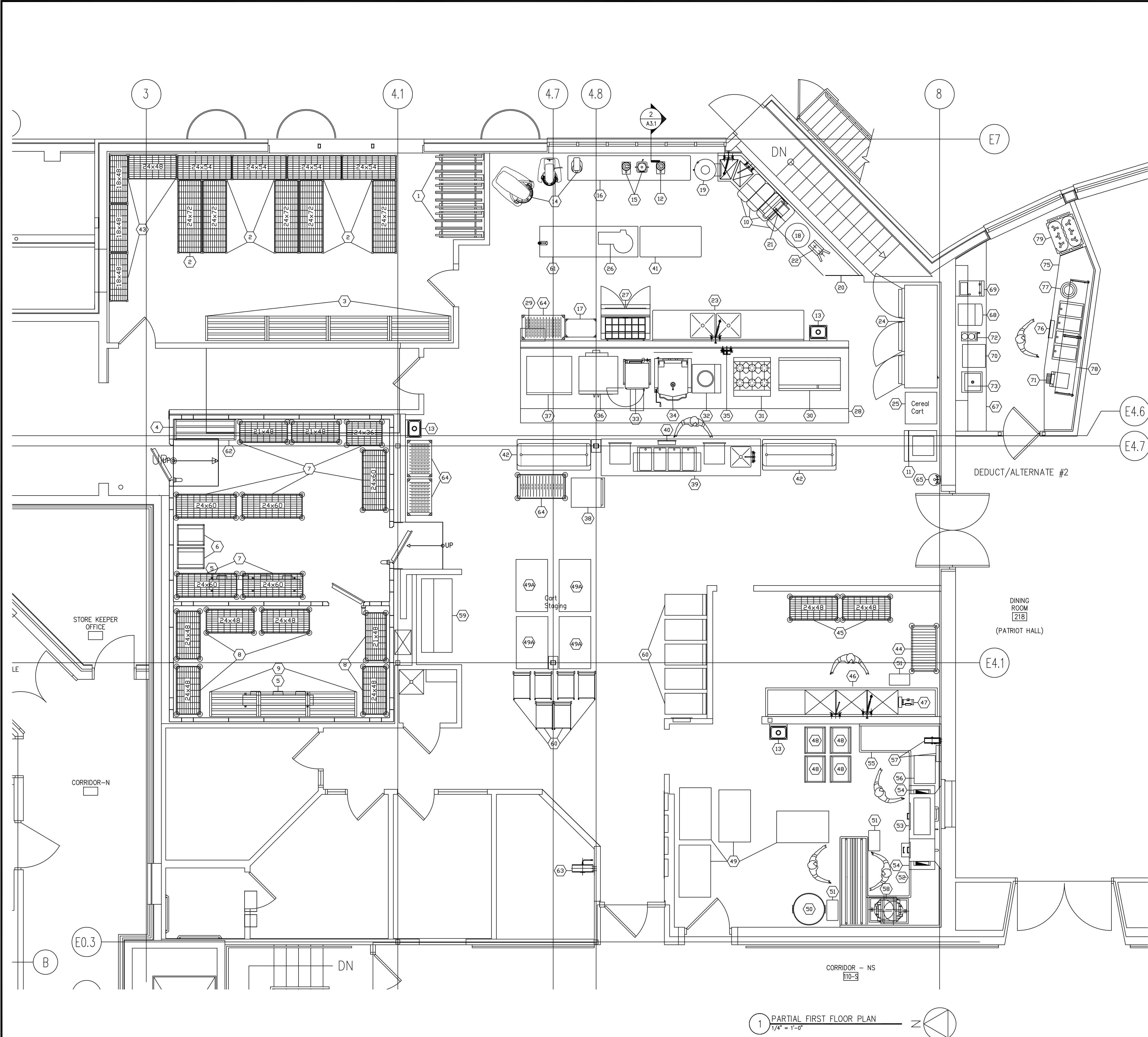
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JOB NO. 15858.00

DATE: JAN. 26, 2016

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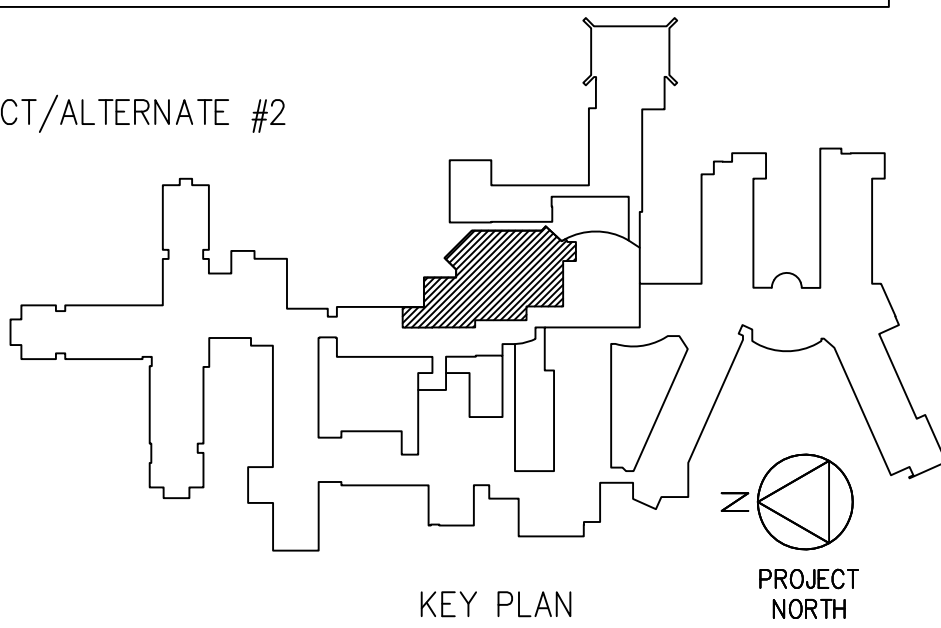
A4.1



FOOD EQUIPMENT SCHEDULE
MAIN KITCHEN/PATRIOT HALL

ITEM	QTY.	DESCRIPTION
1	3	CAN RACKS
2	1 LOT	STORAGE SHELVING
3	4	STORAGE DUNNAGE
4	1	WALK-IN COOLER/FREEZER
5	1 LOT	REFRIGERATION SYSTEMS
6	2	ANGLE RACKS (EXISTING/RELOCATE)
7	1 LOT	COOLER SHELVING
8	1 LOT	FREEZER SHELVING
9	3	FREEZER DUNNAGE
10	4	INGREDIENT BINS (EXISTING/RELOCATE)
11	1	ICE MACHINE
12	1	FOOD PROCESSOR (NIFSC/BY OWNER)
13	3	HAND SINKS
14	3	MIXERS (EXISTING/RELOCATE)
15	2	FOOD PROCESSORS (EXISTING/RELOCATE)
16	1	WORKTABLE (EXISTING/RELOCATE)
17	1	SPICE RACK (EXISTING/RELOCATE)
18	1	BOWL DOLLY (EXISTING/RELOCATE)
19	1	PEELER (EXISTING)
20	1	PREP COUNTER (EXISTING)
21	1	SLICER (EXISTING)
22	1	GRINDER (EXISTING)
23	1	PREP SINK (EXISTING/RELOCATE/REDWRK)
24	1	ROLL-IN REFRIGERATOR (EXISTING/RELOCATE)
25	1	CEREAL CART (EXISTING/RELOCATE)
26	1	FOOD CHOPPER
27	1	SANDWICH REFRIGERATOR (EXISTING/RELOCATE)
28	1	EXHAUST HOOD
29	1	FIRE SUPPRESSION SYSTEM
30	1	GRIDDLE
31	1	RANGE
32	1	KETTLE (EXISTING/RELOCATE)
33	1	STEAMER (EXISTING/RELOCATE)
34	1	BRAISING PAN (EXISTING/RELOCATE)
35	1	KETTLE FILLER
36	1	CONVECTION OVEN
37	1	COMBI-OVEN
38	1	HEATED CABINET
39	1	COOK'S COUNTER
40	1	HOT FOOD UNIT
41	1	WORKTABLE (EXISTING/RELOCATE)
42	2	WORKTABLES WITH POT RACK (EXISTING/RELOCATE)
43	4	SHELVING (EXISTING/RELOCATE)
44	1	SHEET PAN DRYING RACK (EXISTING/RELOCATE)
45	2	POT/PAN DRYING RACKS
46	1	SCULLERY SINK (EXISTING/RELOCATE/REWORK)
47	1	POT WASHER
48	4	DISHRACK RACKS
49	4	TRANSPORT CARTS (EXISTING/RELOCATE)
50	1	TRASH CAN (NIFSC/BY OWNER)
51	3	COMPOST BINS (NIFSC/BY OWNER)
52	1	SOILED DISHTABLE
53	1	DISHWASHER
54	2	DUCT RISERS
55	1	CLEAN DISHTABLE
56	1	BOOSTER HEATER
57	1	HOSE REEL
58	1	SCRAP COLLECTOR
59	1	WOOD TOP TABLE (EXISTING/RELOCATE)
60	1 LOT	MISC. CARTS & RACKS (EXISTING/RELOCATE)
61	1	WORKTABLE WITH CAN OPENER (EXISTING/RELOCATE)
62	1	COOLER DUNNAGE
63	1	CART WASH UNIT (NIFSC/BY VENDOR)
64	4	POT/PAN RACKS (EXISTING/RELOCATE)
65	1	EYE WASH SINK (EXISTING/RELOCATE)
66	---	SPARE NUMBER
67	1	BACK COUNTER (NIFSC/BY MILLWORK)
68	1	ICE/WATER DISPENSER
69	1	JUICE DISPENSER (NIC/BY VENDOR)
70	1	DISHRACK SLIDE UNIT
71	1	TOASTER
72	1	COFFEE UNIT (NIC/BY VENDOR)
73	1 LOT	OVERHEAD CABINETRY (NIFSC/BY MILLWORK)
74	---	SPARE NUMBER
75	1	COUNTERTOP (BASE BY MILLWORK)
76	1	HOT FOOD UNIT
77	1	HEATED PLATE DISPENSER
78	1	PROTECTOR GUARD
79	1	POKER CHIP DISH DOLLY (EXISTING/RELOCATE)

DEDUCT/ALTERNATE #2



1 PARTIAL FIRST FLOOR PLAN
1/4" = 1'-0"

VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT
MAIN KITCHEN AND PATRIOT HALL COUNTRY KITCHEN
EQUIPMENT PLAN

#50-012

TIMOTHY D. SMITH & ASSOCIATES, P.C.
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ARCHITECTS

JOB NO. 15858.00
DWN. BY
CK. BY

Fetech
Food Equipment Technology
Food Service Consultants
P.O. Box 64
Canastota, New York 13032

DATE: JAN. 26, 2016

BID SET

FS-1

FOOD EQUIPMENT SCHEDULE
NORTH VILLAGE

ITEM	QTY.	DESCRIPTION
101	1	HOT FOOD COUNTER
102	1	COFFEE UNIT (NIFSC/BY VENDOR)
103	1	COUNTER (EXISTING)
104	1	ICE/WATER DISPENSER
105	1	RESIDENTIAL REFRIGERATOR (EXISTING)
106	1	SPARE NUMBER
107	1	COUNTER (NIFSC/BY MILLWORK)
108	1	PROTECTOR GUARD
49	1	TRANSPORT CART (ALTERNATE LOCATION FROM KITCHEN)

DEDUCT/ALTERNATE #1

FOOD EQUIPMENT SCHEDULE
AMERICAN DINING ROOM

ITEM	QTY.	DESCRIPTION
201	1	COUNTERTOP (BASE BY MILLWORK)
202	1	HOT FOOD UNIT
203	1	PROTECTOR GUARD
204	1	HEATED PLATE DISPENSER
205	1	HEATED CABINET
206	1	UNDERCOUNTER FREEZER
207	1	UNDERCOUNTER REFRIGERATOR
208	1	ICE/WATER DISPENSER
209	1	JUICE DISPENSER (NIFSC/BY VENDOR)
210	1	DISHRACK SLIDE UNIT
211	1	TOASTER
212	1	BACK COUNTER (NIFSC/BY MILLWORK)
213	1	COFFEE UNIT (NIFSC/BY VENDOR)

49	1	TRANSPORT CART (ALTERNATE LOCATION FROM KITCHEN)
----	---	--

DEDUCT/ALTERNATE #3

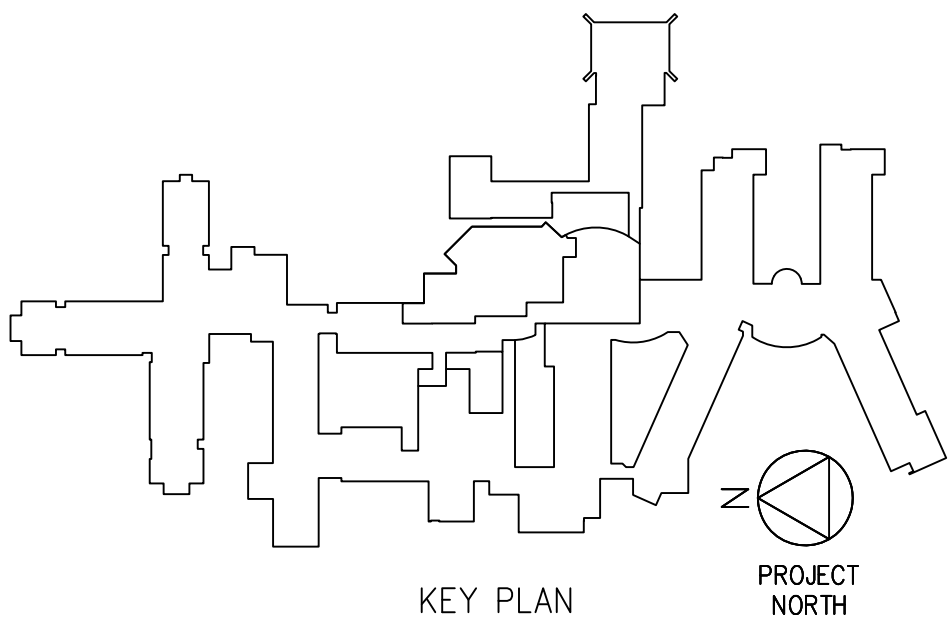
FOOD EQUIPMENT SCHEDULE
BRANDON BLVD.

ITEM	QTY.	DESCRIPTION
301	1	REACH-IN FREEZER (EXISTING/RELOCATE)
302	1	HEATED CABINET
303	1	REACH-IN REFRIGERATOR
304	1	DISHRACK SLIDE UNIT
305	1	PROTECTOR GUARD
306	1	BACK COUNTER (NIFSC/BY MILLWORK)
307	1	ICE/WATER DISPENSER
308	1	JUICE DISPENSER (NIFSC/BY VENDOR)
309	---	SPARE NUMBER
310	1	TOASTER
311	1	COFFEE UNIT (NIFSC/BY VENDOR)
312	---	SPARE NUMBER
313	1	COUNTERTOP (BASE BY MILLWORK)
314	1	HOT FOOD UNIT
315	1	HEATED PLATE DISPENSER

49	1	TRANSPORT CART (ALTERNATE LOCATION FROM KITCHEN)
----	---	--

DEDUCT/ALTERNATE #4

1 PARTIAL FIRST FLOOR PLAN
1/4" = 1'-0"



#50-012
VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT
SATELLITE COUNTRY KITCHEN EQUIPMENT PLANS

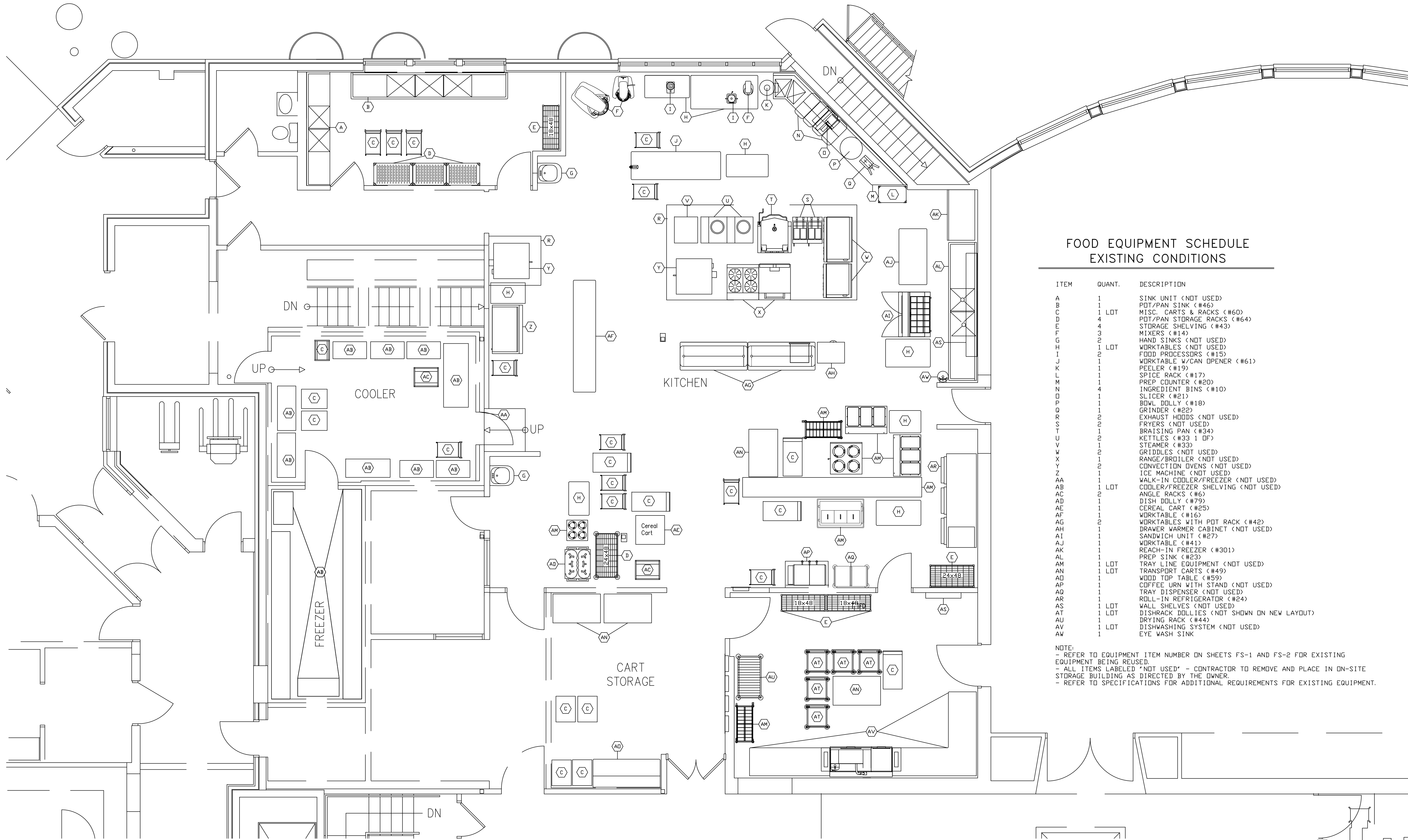
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Canastota, New York 13032

DATE: JAN. 26, 2016

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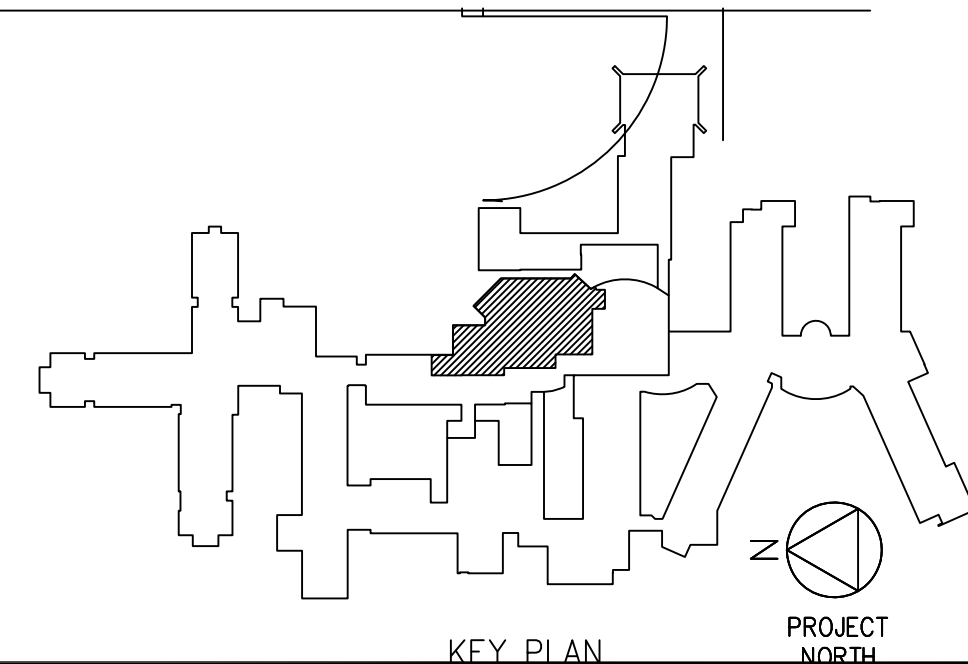


FOOD EQUIPMENT SCHEDULE
EXISTING CONDITIONS

ITEM	QUANT.	DESCRIPTION
A	1	SINK UNIT (NOT USED)
B	1	POT/PAN SINK (#46)
C	1 LOT	MISC. CARTS & RACKS (#60)
D	4	POT/PAN STORAGE RACKS (#64)
E	4	STORAGE SHELVING (#43)
F	3	MIXERS (#14)
G	2	HAND SINKS (NOT USED)
H	1 LOT	WORKTABLES (NOT USED)
I	2	FOOD PROCESSORS (#15)
J	1	WORKTABLE W/CAN OPENER (#61)
K	1	PEELER (#19)
L	1	SPICE RACK (#17)
M	1	PREP COUNTER (#20)
N	4	INGREDIENT BINS (#10)
O	1	SLICER (#21)
P	1	BOWL DOLLY (#18)
Q	1	GRINDER (#22)
R	2	EXHAUST HOODS (NOT USED)
S	1	FRYERS (NOT USED)
T	2	BRAISING PAN (#34)
U	1	KETTLES (#33 1 OF)
V	2	STEAMER (#33)
W	1	GRIDDLES (NOT USED)
X	1	RANGE/BROILER (NOT USED)
Y	2	CONVECTION OVENS (NOT USED)
Z	1	ICE MACHINE (NOT USED)
AA	1	WALK-IN COOLER/FREEZER (NOT USED)
AB	1 LOT	COOLER/FREEZER SHELVING (NOT USED)
AC	2	ANGLE RACKS (#6)
AD	1	DISH DOLLY (#79)
AE	1	CEREAL CART (#25)
AF	1	WORKTABLE (#16)
AG	2	WORKTABLES WITH POT RACK (#42)
AH	1	DRAWER WARMER CABINET (NOT USED)
AI	1	SANDWICH UNIT (#27)
AJ	1	WORKTABLE (#41)
AK	1	REACH-IN FREEZER (#301)
AL	1	PREP SINK (#23)
AM	1 LOT	TRAY LINE EQUIPMENT (NOT USED)
AN	1 LOT	TRANSPORT CARTS (#49)
AO	1	WOOD TOP TABLE (#59)
AP	1	COFFEE URN WITH STAND (NOT USED)
AQ	1	TRAY DISPENSER (NOT USED)
AR	1	ROLL-IN REFRIGERATOR (#24)
AS	1 LOT	WALL SHELVES (NOT USED)
AT	1 LOT	DISHRACK DOLLIES (NOT SHOWN ON NEW LAYOUT)
AU	1	DRYING RACK (#44)
AV	1 LOT	DISHWASHING SYSTEM (NOT USED)
AW	1	EYE WASH SINK

NOTE:
- REFER TO EQUIPMENT ITEM NUMBER ON SHEETS FS-1 AND FS-2 FOR EXISTING EQUIPMENT BEING REUSED.
- ALL ITEMS LABELED "NOT USED" - CONTRACTOR TO REMOVE AND PLACE IN ON-SITE STORAGE BUILDING AS DIRECTED BY THE OWNER.
- REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR EXISTING EQUIPMENT.

1 PARTIAL FIRST FLOOR PLAN
1/4" = 1'-0"



VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT
MAIN KITCHEN EXISTING EQUIPMENT PLAN

#50-012

TIMOTHY D. SMITH & ASSOCIATES, P.C.
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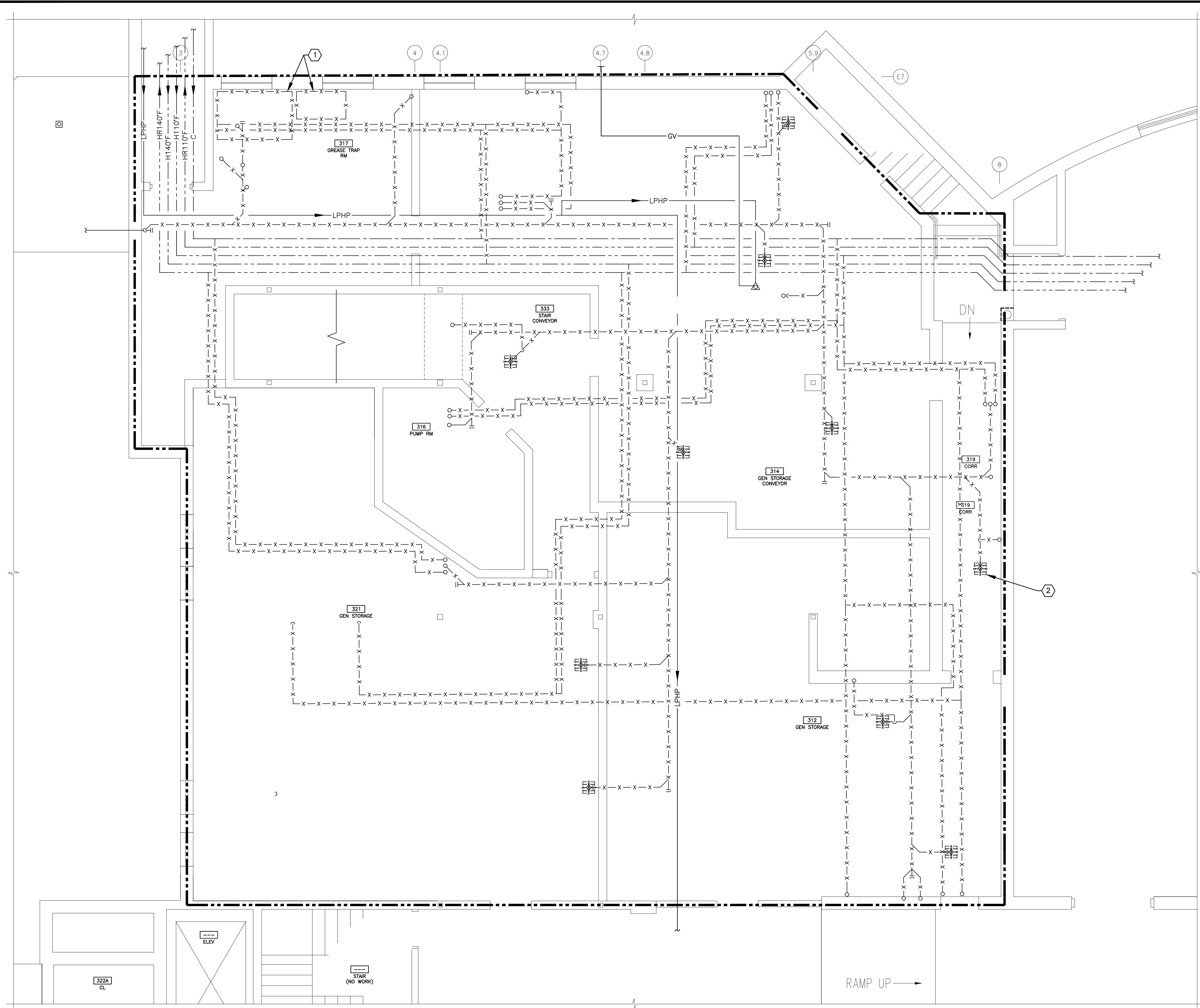
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FS-3



PARTIAL BASEMENT KITCHEN AREA WASTE & VENT PIPING DEMOLITION PLAN

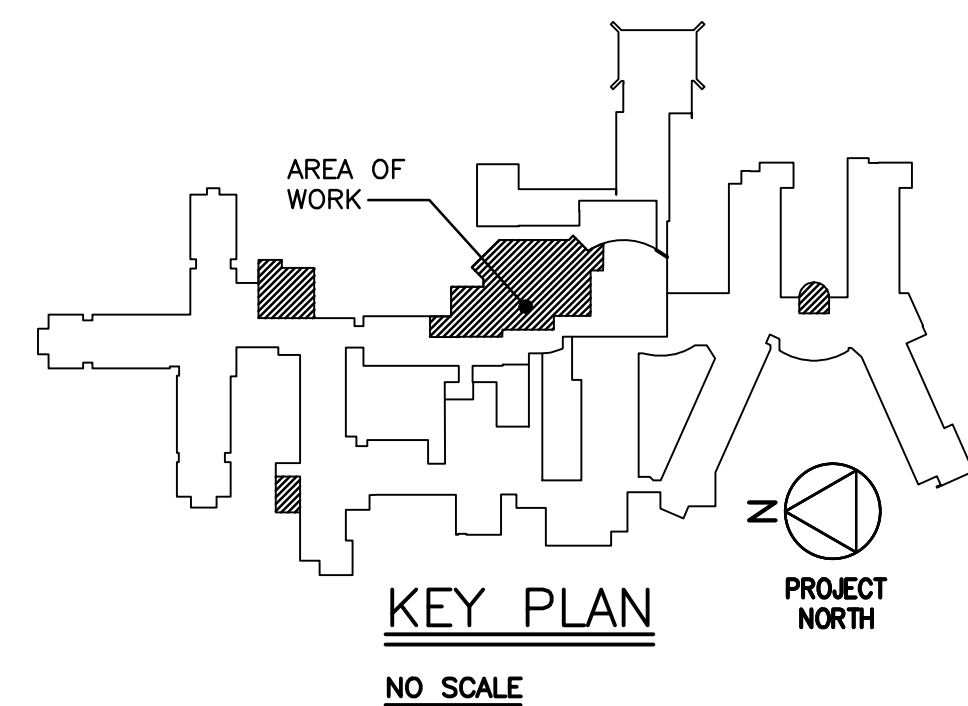
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. THIS DRAWING IS IN PART DIAGRAMMATIC, INTENDED TO SHOW EXISTING PIPE RUNS. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY AND COORDINATE ALL NEW PIPE RUNS AND EXISTING CONDITIONS WITH ALL TRADES.
2. CONTRACTOR SHALL REMOVE ALL EXISTING PIPING, SUPPORTS, CONTROLS AND ALL ASSOCIATED EQUIPMENT EXCEPT THAT WHICH IS DEPICTED FOR RE-USE.
3. DEMOLISH ALL ASSOCIATED PIPING BACK TO THEIR MAINS, VALVE AND CAP.
4. DEMOLISH ALL ASSOCIATED MATERIALS (E.G. HANGERS, INSULATION, SUPPORTS, ETC.) FOR THOSE SYSTEMS TO BE REMOVED.

KEYED NOTES:

- 1 DISCONNECT AND REMOVE EXISTING GREASE TRAP SYSTEM, REMOVE GREASE TRAP CONCRETE STRUCTURE AND COORDINATE PATCH WORK WITH GENERAL CONTRACTOR.
- 2 DISCONNECT AND REMOVE EXISTING FLOOR DRAINS. FLOOR DRAINS SHOWN ARE IN THE SLAB ABOVE.



#50-012

VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT

PLUMBING:
PARTIAL BASEMENT KITCHEN AREA WASTE & VENT PIPING
DEMOLITION PLAN

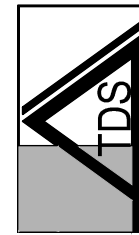
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PD-1

FFA #7712

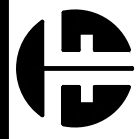
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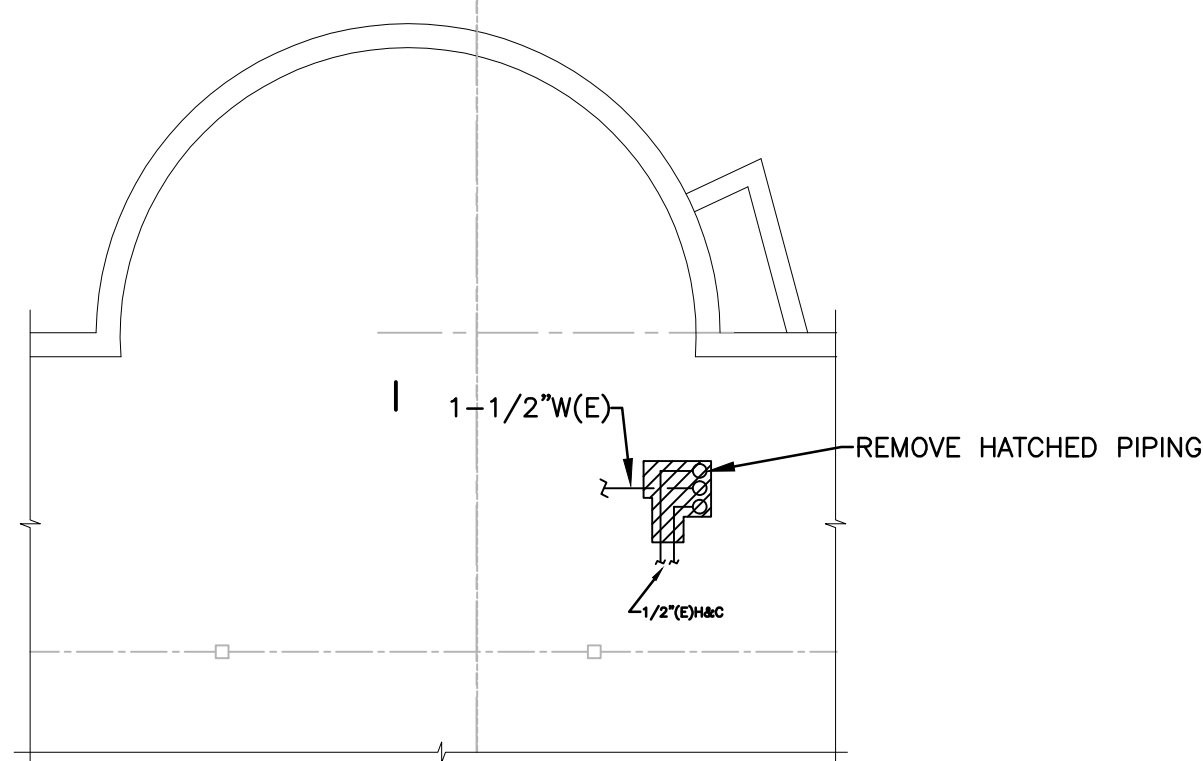


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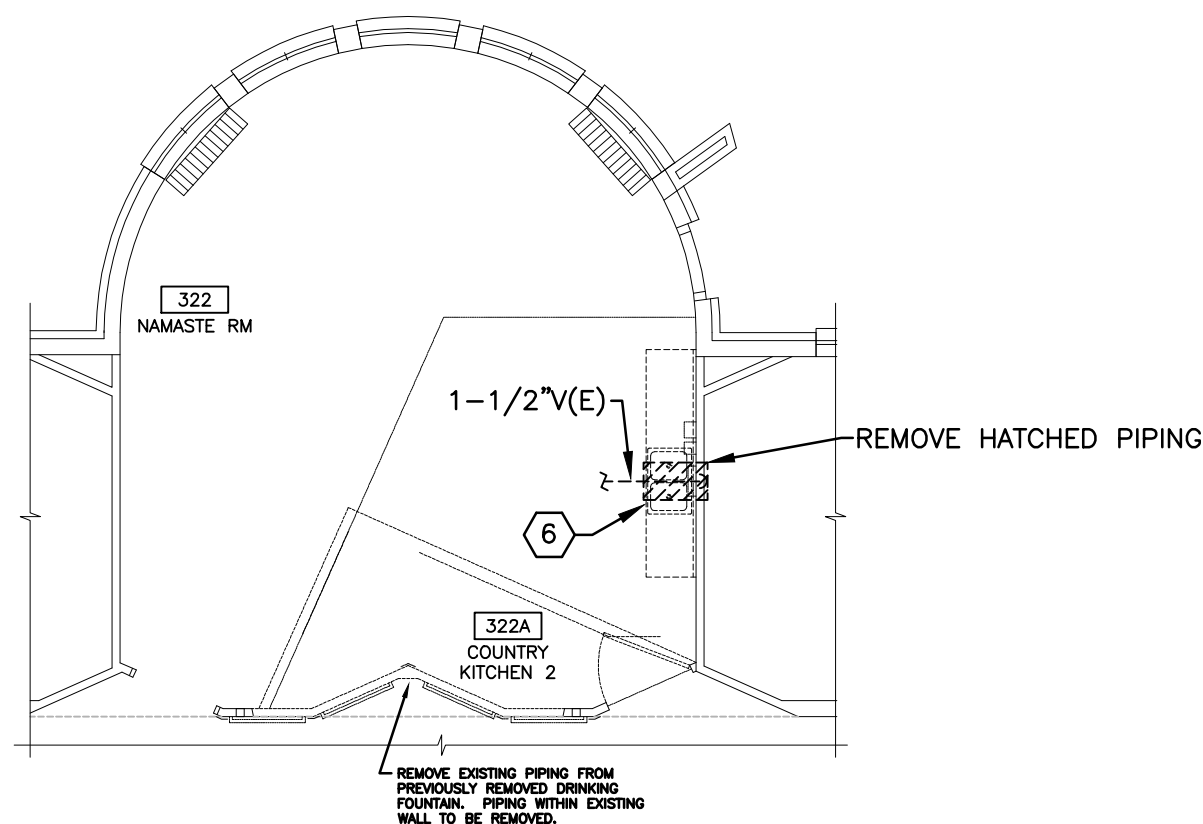


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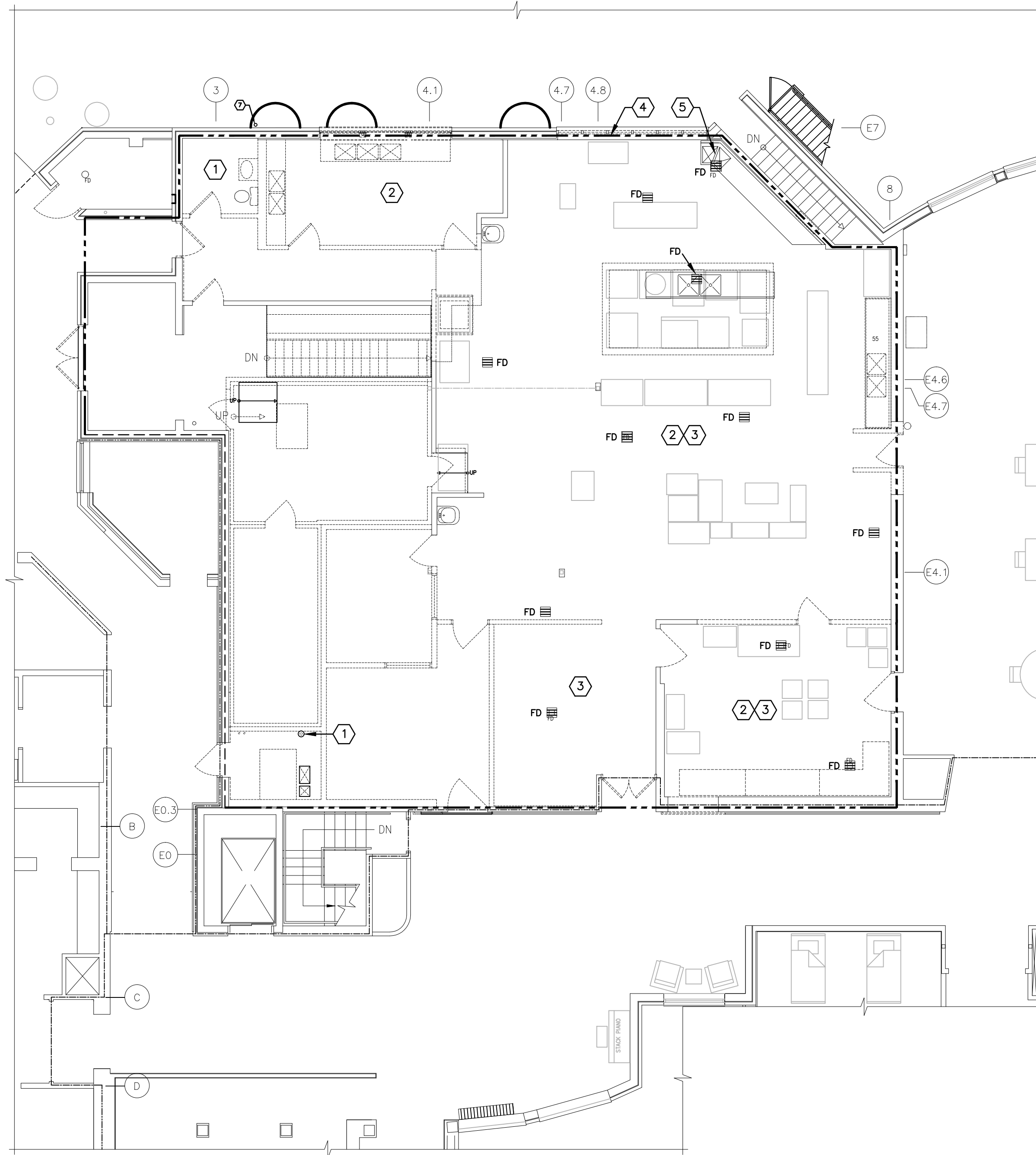
PARTIAL BASEMENT B-WING
SATELITE SERVING AREA
PLUMBING DEMOLITION PLAN

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



PARTIAL MAIN LEVEL B-WING
SATELITE SERVING AREA
PLUMBING DEMOLITION PLAN

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



PARTIAL MAIN LEVEL KITCHEN DEMOLITION PLAN

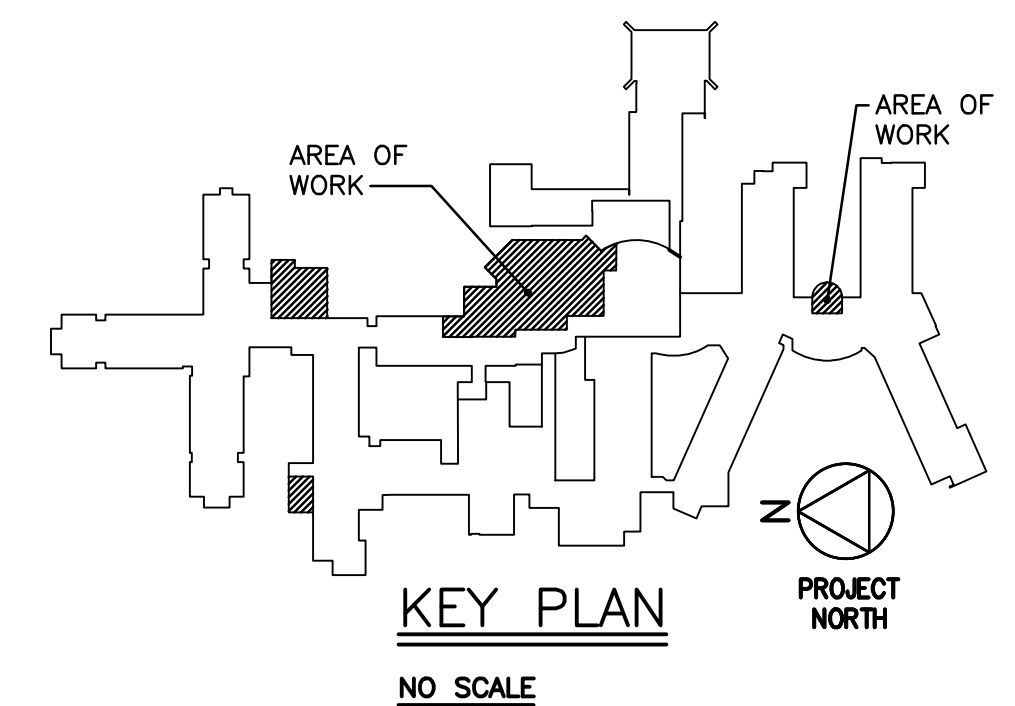
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- COORDINATE ALL WORK WITH OTHER TRADES.
- FIELD VERIFY EXISTING CONDITIONS, PRIOR TO PROCEEDING WITH INSTALLATIONS.
- PLUMBING CONTRACTOR IS RESPONSIBLE FOR CORE-DRILLING, GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING AND PATCHING OF BUILDING MATERIALS.

KEYED NOTES:

- DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURES AND PIPING. CUT BACK PIPING TO LOCATIONS WHERE NEW PIPING IS TO BE CONNECTED TO EXISTING, AND/OR BACK TO EXISTING MAINS, AND CAP OR PLUG ENDS. COORDINATE WITH REMOVAL & NEW WORK ON ALL FLOORS.
- DISCONNECT AND REMOVE EXISTING PLUMBING FROM FIXTURES. FIXTURES TO BE REMOVED BY FOOD SERVICE. CUT BACK PIPING TO LOCATIONS WHERE NEW PIPING IS TO BE CONNECTED TO EXISTING, AND/OR BACK TO EXISTING MAINS, AND CAP OR PLUG ENDS. COORDINATE WITH REMOVAL & NEW WORK ON ALL FLOORS.
- DISCONNECT AND REMOVE EXISTING FLOOR DRAINS AND PIPING. CUT BACK PIPING TO LOCATIONS WHERE NEW PIPING IS TO BE CONNECTED TO EXISTING, AND/OR BACK TO EXISTING MAINS, AND CAP OR PLUG ENDS. COORDINATE WITH REMOVAL & NEW WORK ON ALL FLOORS.
- OUTLINE OF WORK AREA, REMOVE ALL EXISTING PIPING, ALL PIPING SHALL BE NEW UP TO EXISTING POINT OF CONNECTION.
- EXISTING SINK TO REMAIN, FAUCET AND DRAIN ASSEMBLY TO BE REPLACED BY FOOD SERVICE. FLOOR DRAIN SERVING EXISTING SINK TO BE REMOVED PER KEY NOTE 3.
- REMOVE EXISTING DOUBLE BOWL SINK.
- REMOVE EXISTING 3" GREASE TRAP VENT.



VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT
MECHANICAL:
PARTIAL BASEMENT & MAIN LEVEL KITCHEN AREA DEMOLITION PLANS

#50-012

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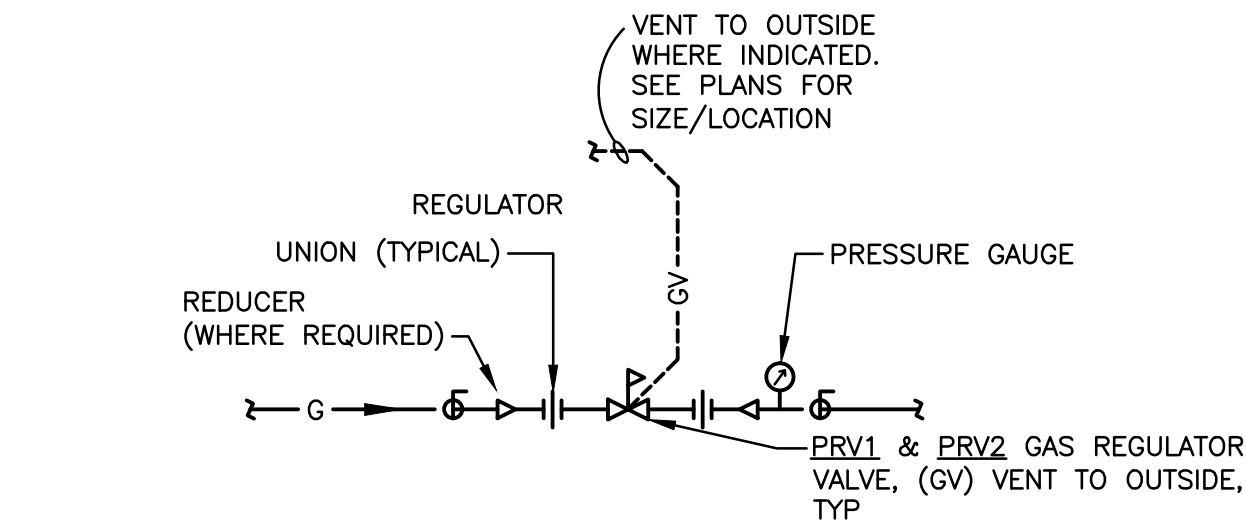
PD-2

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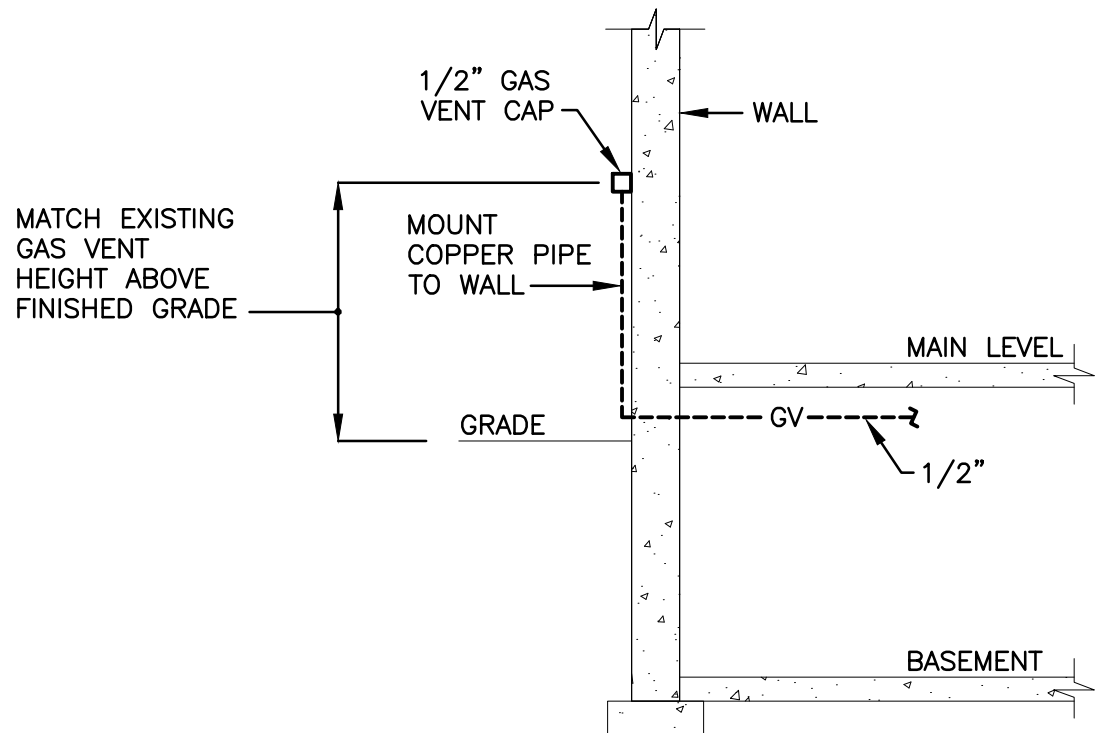
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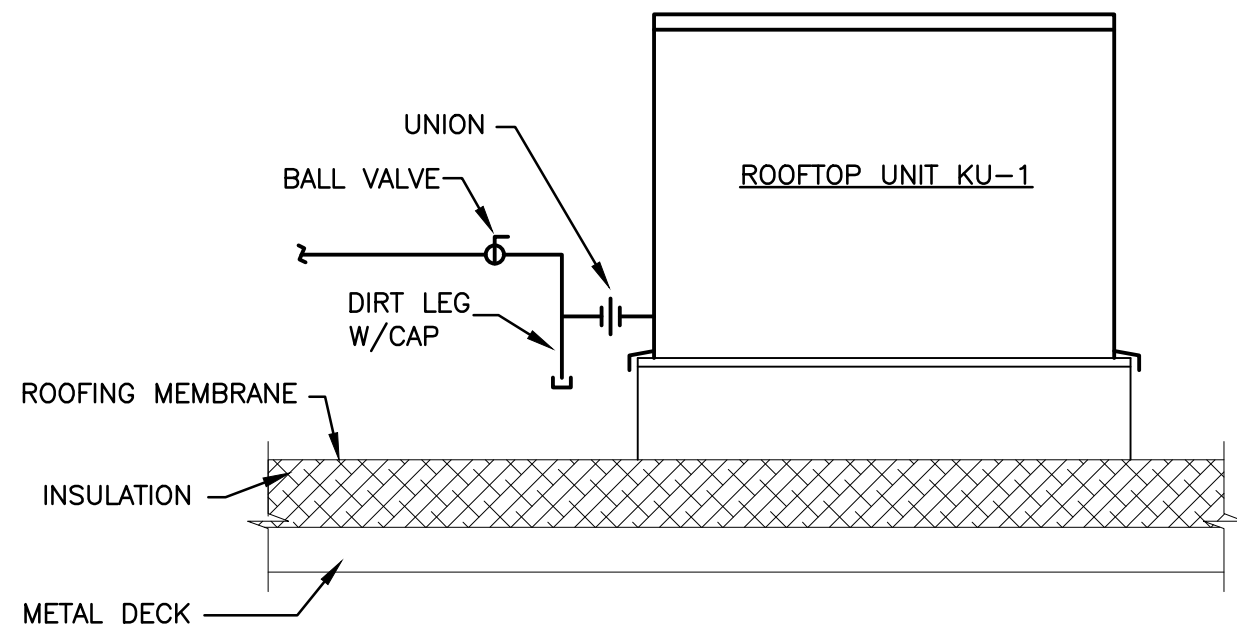
THIRD STAGE REGULATOR INSTALLATION

NO SCALE



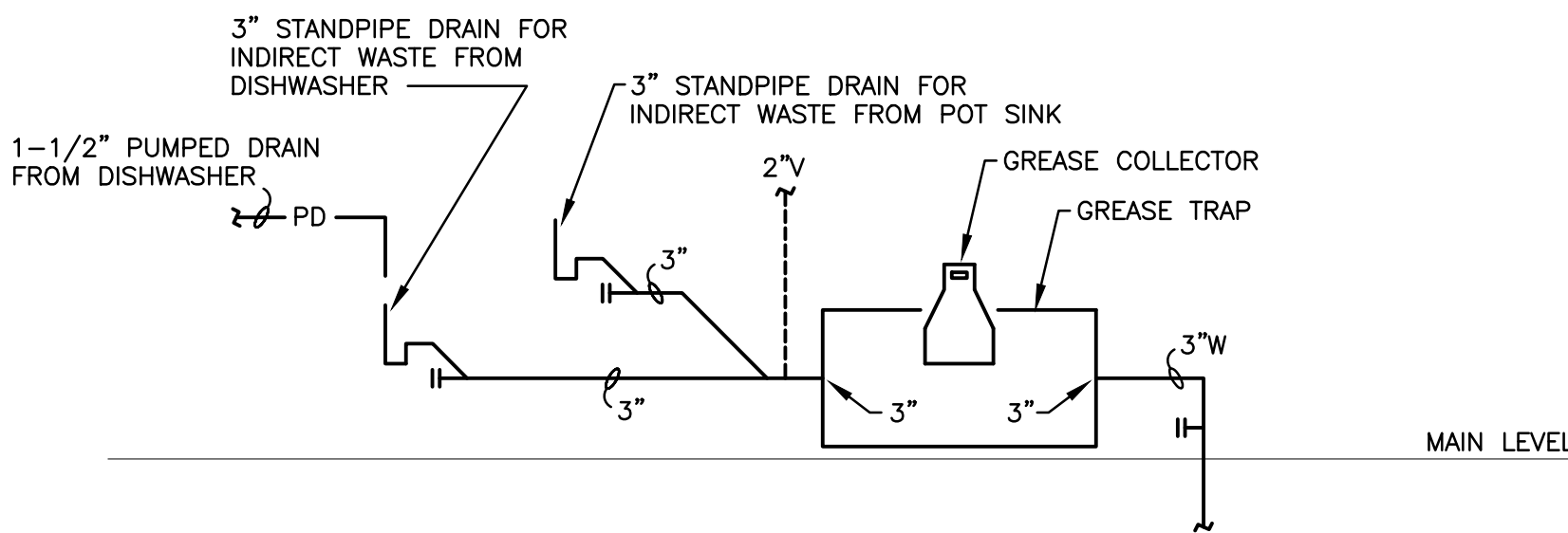
GAS VENT DETAIL

NO SCALE



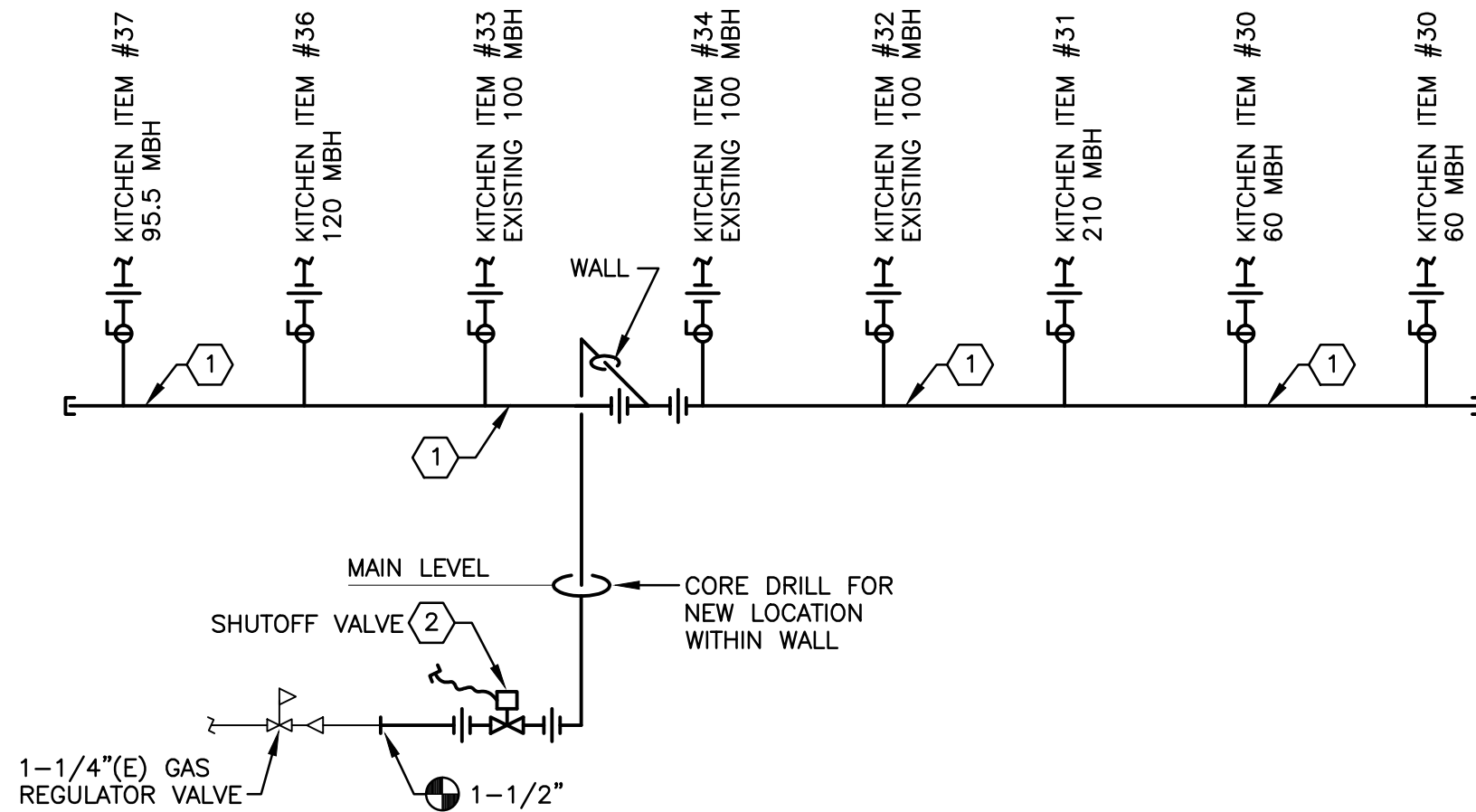
RTU GAS PIPING CONNECTION

NO SCALE



GT1 GREASE TRAP RISER

NO SCALE



KITCHEN LP GAS RISER KEYED NOTES:

- SUPPORT PIPE TIGHT TO WALL.
- EXHAUST HOOD FIRE PROTECTION SYSTEM SOLENOID GAS SHUT-OFF VALVE, 1-1/2" TO GAS HEADER. SOLENOID VALVE INSTALLED BY PLUMBING CONTRACTOR AND PROVIDED WITH ANSUL FP SYSTEM.

KITCHEN LP GAS RISER

NO SCALE

PLUMBING SYMBOLS LIST

GENERAL

Connect new work to existing

EXISTING (LIGHT LINES)

Cold Water
Hot Water
Hot Water Return
Liquified Petroleum Gas
Sanitary
Storm Sewer
Vent

NEW

Cold Water
Condensate Drain
Grease Waste
Pumped Drain
Hot Water
Hot Water Return
Liquified Petroleum Gas
Gas Vent
Sanitary
Storm Sewer
Vent

Valve-Balancing
Valve-Ball
Valve-Butterfly
Valve-Check
Valve-Gate
Valve-Globe
Valve-Plug
End Cleanout
Floor Cleanout
Floor Drain
Floor Sink
(P) Trap
Pipe Anchor Point
Pipe Guide
Roof Drain
Shock Absorber
Strainer
Union
Fixture or equipment designation, see Specifications
Kitchen Fixture Gas Connection

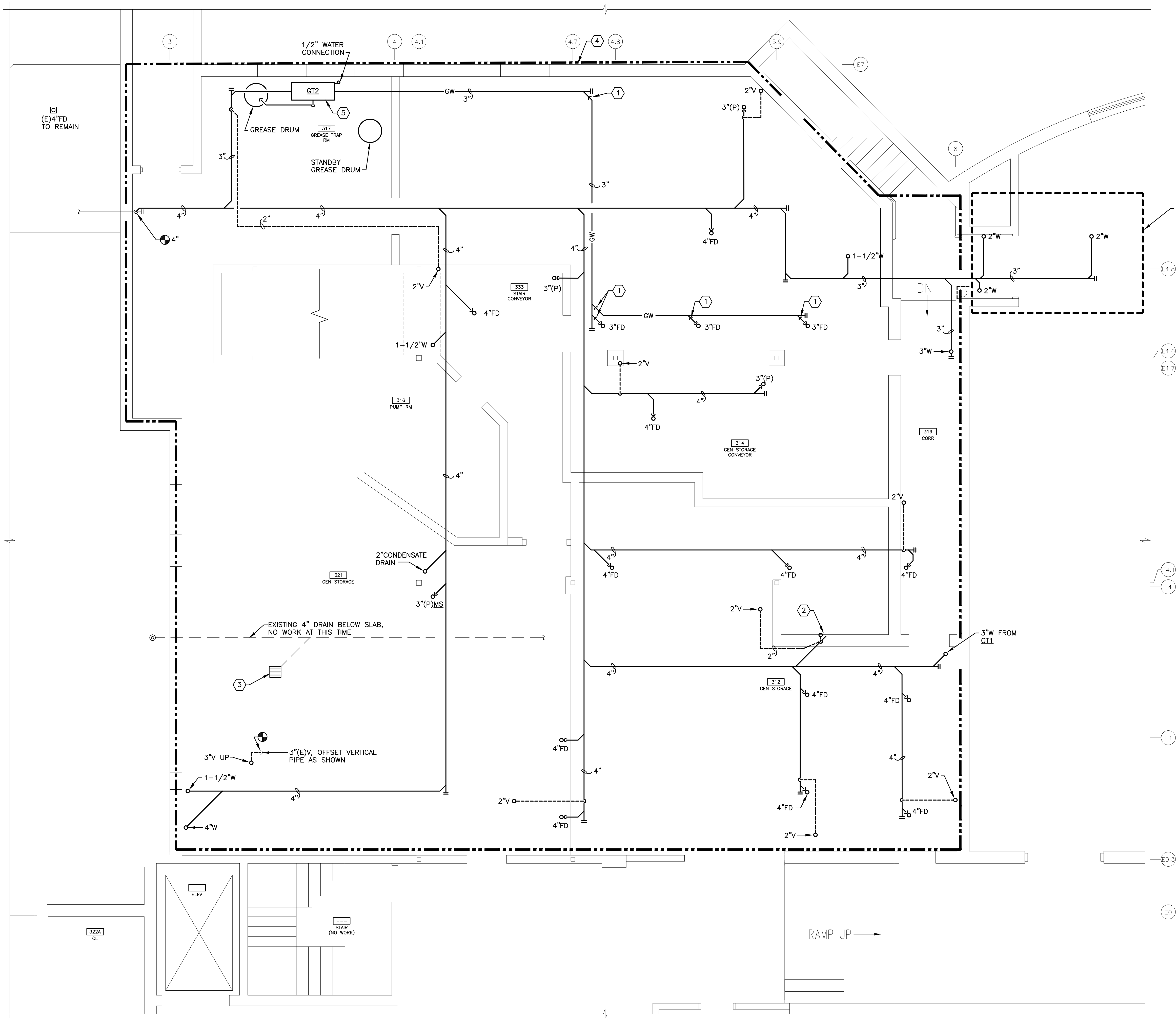
Demolition of work
OR
Demolition of work

PLUMBING ABBREVIATIONS

Bottom of Pipe
Cast Iron
Catch Basin
Cleanout
Cold Water
Floor Drain
Floor Sink
Fresh Air Intake
Hose Bibb
Hot Water
Indirect Waste
Inside Diameter
Invert
Manhole
Outside Diameter
Polyvinyl Chloride
Rainwater Conductor
Reinforced
Roof Leader
Sanitary
Soil Stack
Standard
Vent Stack
Vent Thru Roof
Waste & Vent
Waste Stack

GENERAL ABBREVIATIONS

Above Finished Floor
Ceiling
Diameter
Down
Drawing
Elevation
Existing
Feet
Floor
Flow Switch
Horsepower
Manufacturer
Maximum
Minimum
Mounted
Not Applicable
Not In Contract
Number
On Center
Typical
Normally Open
Normally Closed

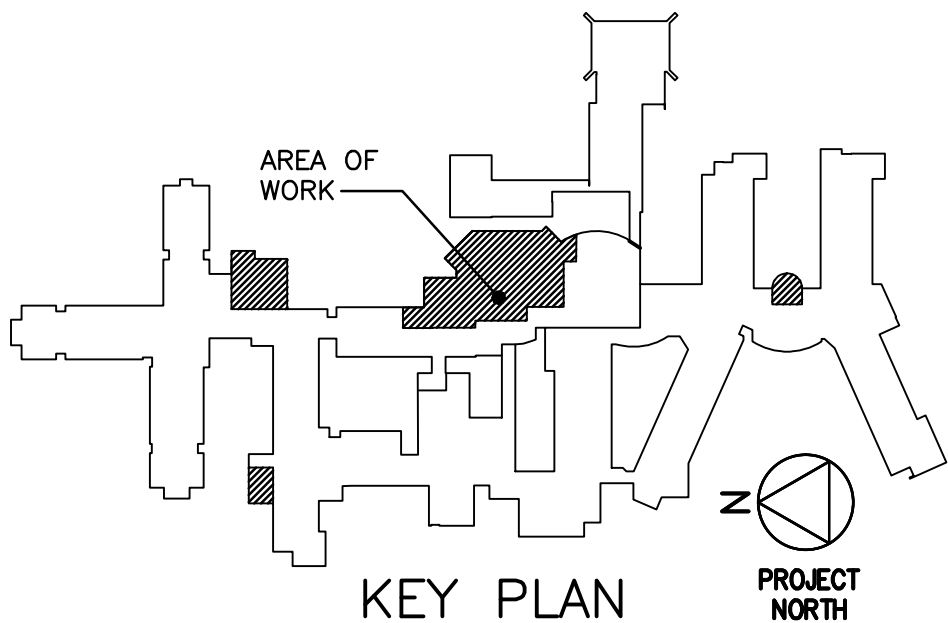


GENERAL NOTES:

1. ALL PIPING SHALL BE NEW UP TO EXISTING POINT OF CONNECTION.
2. COORDINATE ALL WORK WITH OTHER TRADES.
3. FIELD VERIFY EXISTING CONDITIONS, PRIOR TO PROCEEDING WITH INSTALLATIONS.
4. PLUMBING CONTRACTOR IS RESPONSIBLE FOR CORE-DRILLING, GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING AND PATCHING OF BUILDING MATERIALS.

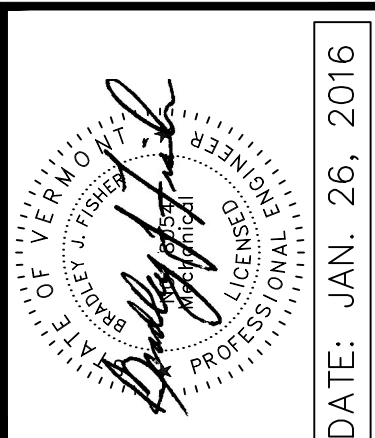
KEYED NOTES:

- 1 PROVIDE A SLIGHT ROLL DOWN USING A 1/16 BEND ELBOW WHERE SHOWN.
- 2 2" ISLAND FIXTURE VENT & WASTE.
- 3 EXISTING FLOOR DRAIN AT BASEMENT FLOOR.
- 4 OUTLINE OF WORK AREA, REMOVE ALL EXISTING PIPING, ALL PIPING SHALL BE NEW UP TO EXISTING POINT OF CONNECTION, INCLUDING DEDUCT ALTERNATE AREA #2.
- 5 GI2 GREASE TRAP, SUPPORT FROM JOIST OVERHEAD.



PARTIAL BASEMENT KITCHEN AREA WASTE & VENT PIPING PLAN

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



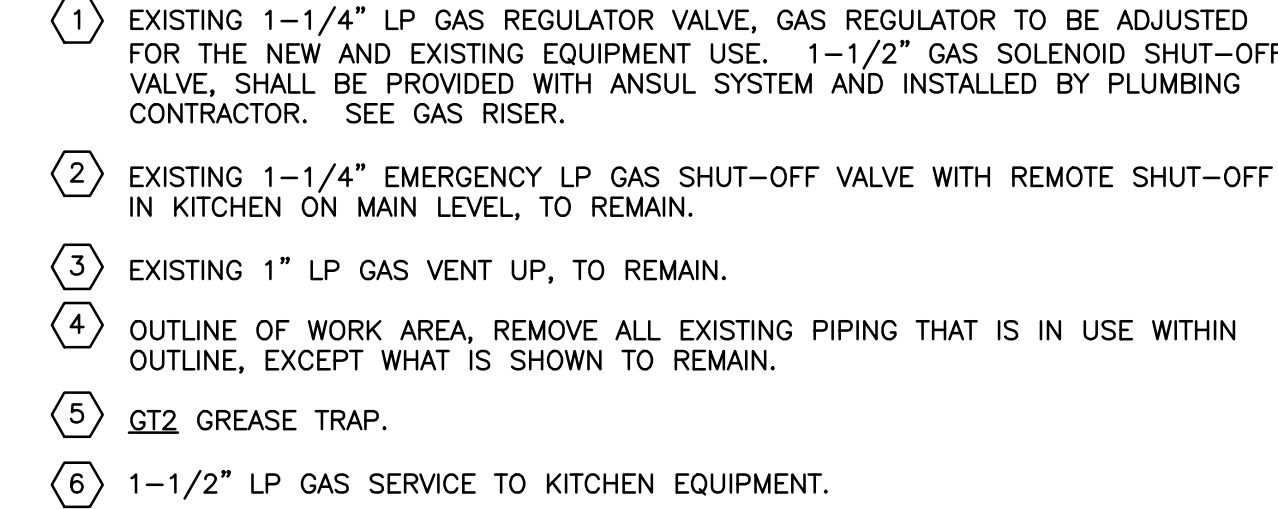
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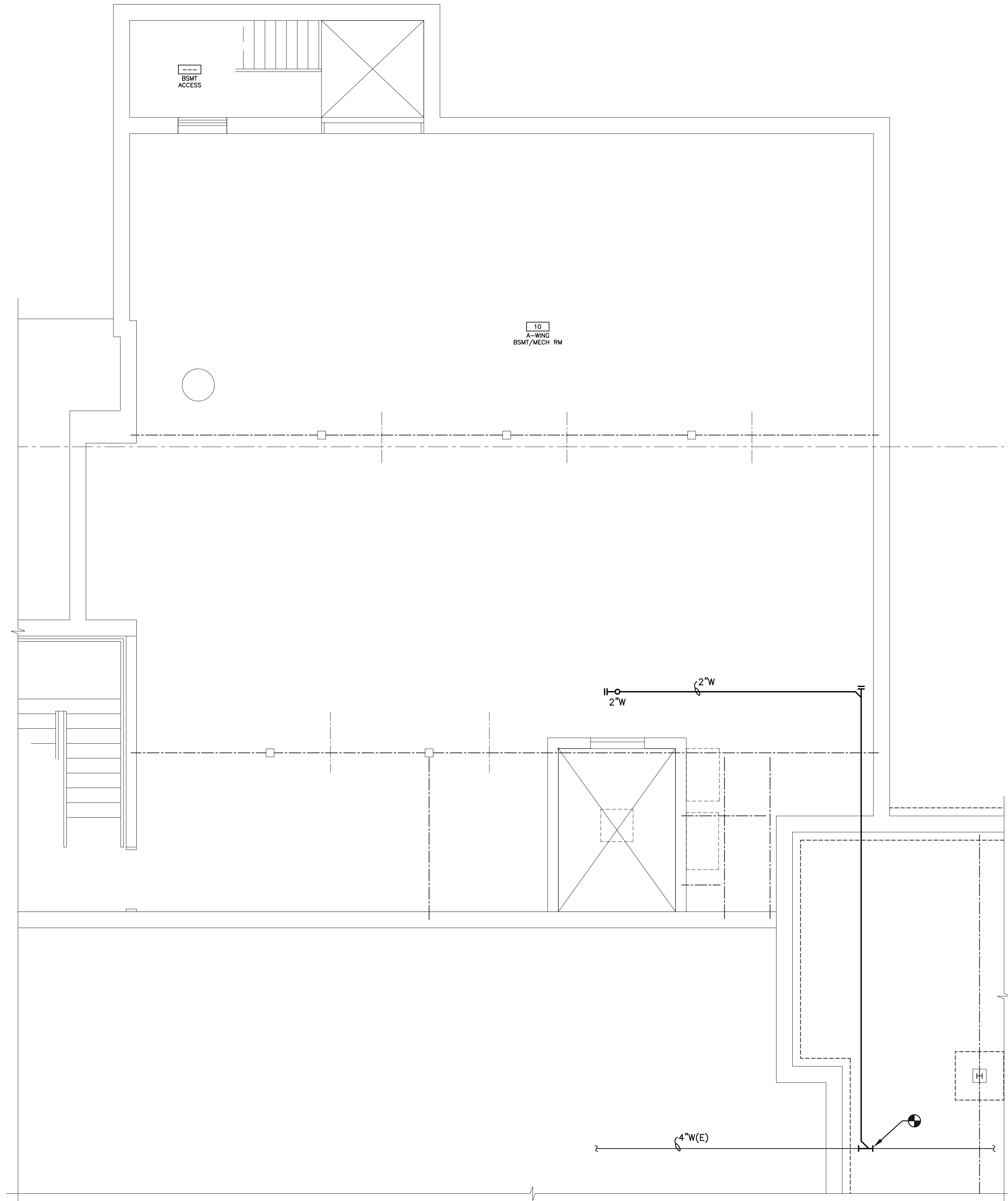
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VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT
PLUMBING:
PARTIAL BASEMENT KITCHEN AREA WASTE & VENT PIPING PLAN

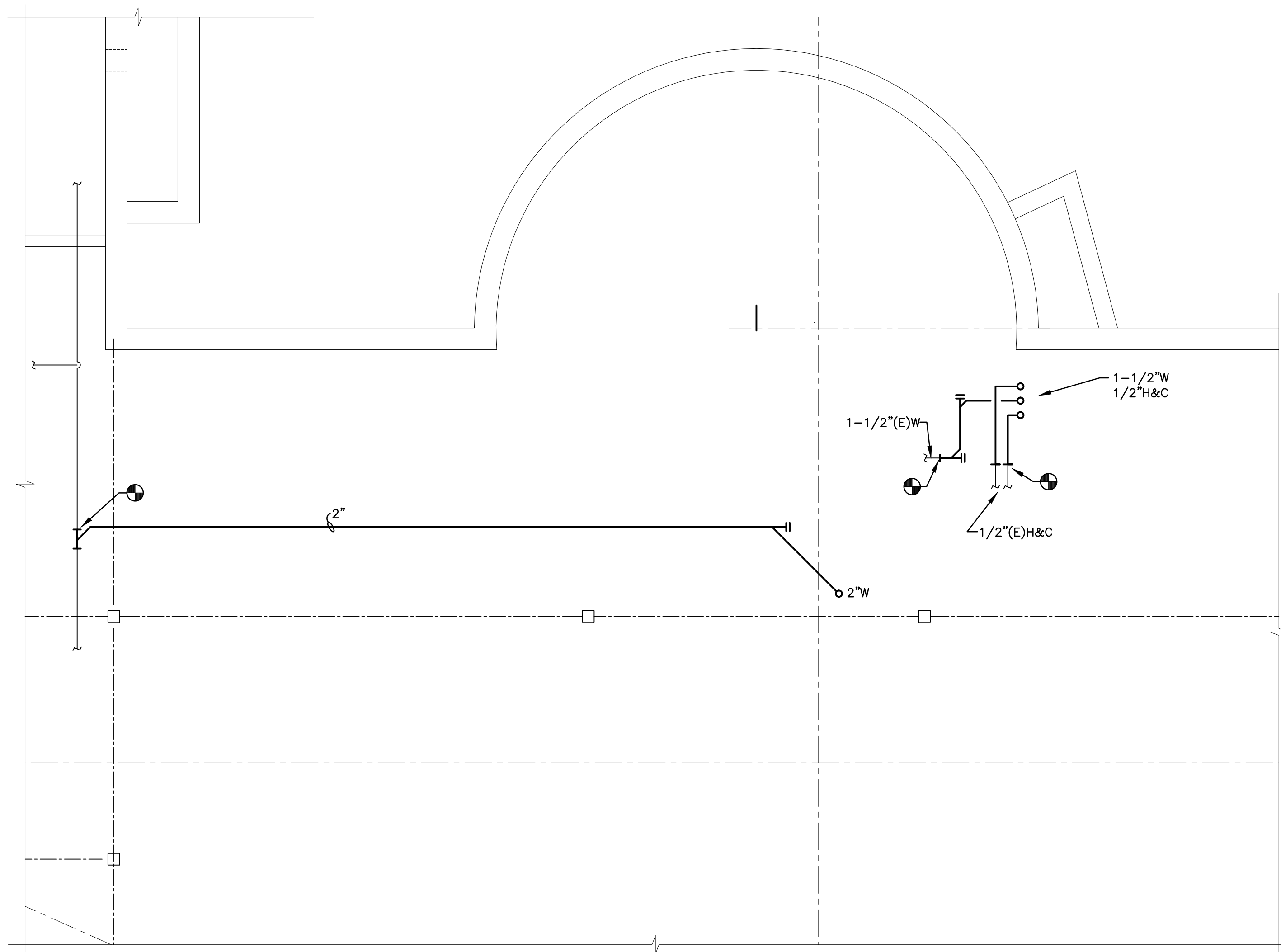
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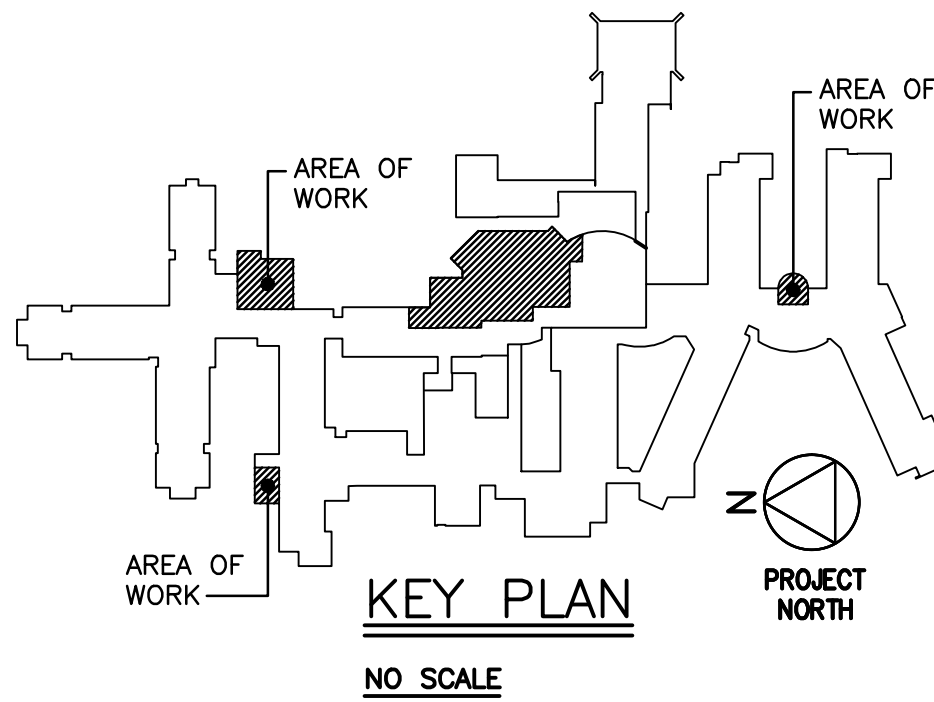


DEDUCT ALTERNATE #3
PARTIAL BASEMENT A-WING SATELITE SERVING AREA PLUMBING PLAN
SCALE: 1/4" = 1'-0"



DEDUCT ALTERNATE #4
PARTIAL BASEMENT B-WING SATELITE SERVING AREA PLUMBING PLAN
SCALE: 1/4" = 1'-0"

- GENERAL NOTES:
1. FIELD VERIFY EXISTING PIPE SIZES.
 2. ALL PIPING SHALL BE NEW UP TO EXISTING POINT OF CONNECTION.
 3. COORDINATE ALL WORK WITH OTHER TRADES.
 4. FIELD VERIFY EXISTING CONDITIONS, PRIOR TO PROCEEDING WITH INSTALLATIONS.
 5. PLUMBING CONTRACTOR IS RESPONSIBLE FOR CORE-DRILLING, GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING AND PATCHING OF BUILDING MATERIALS.



FFA #7712

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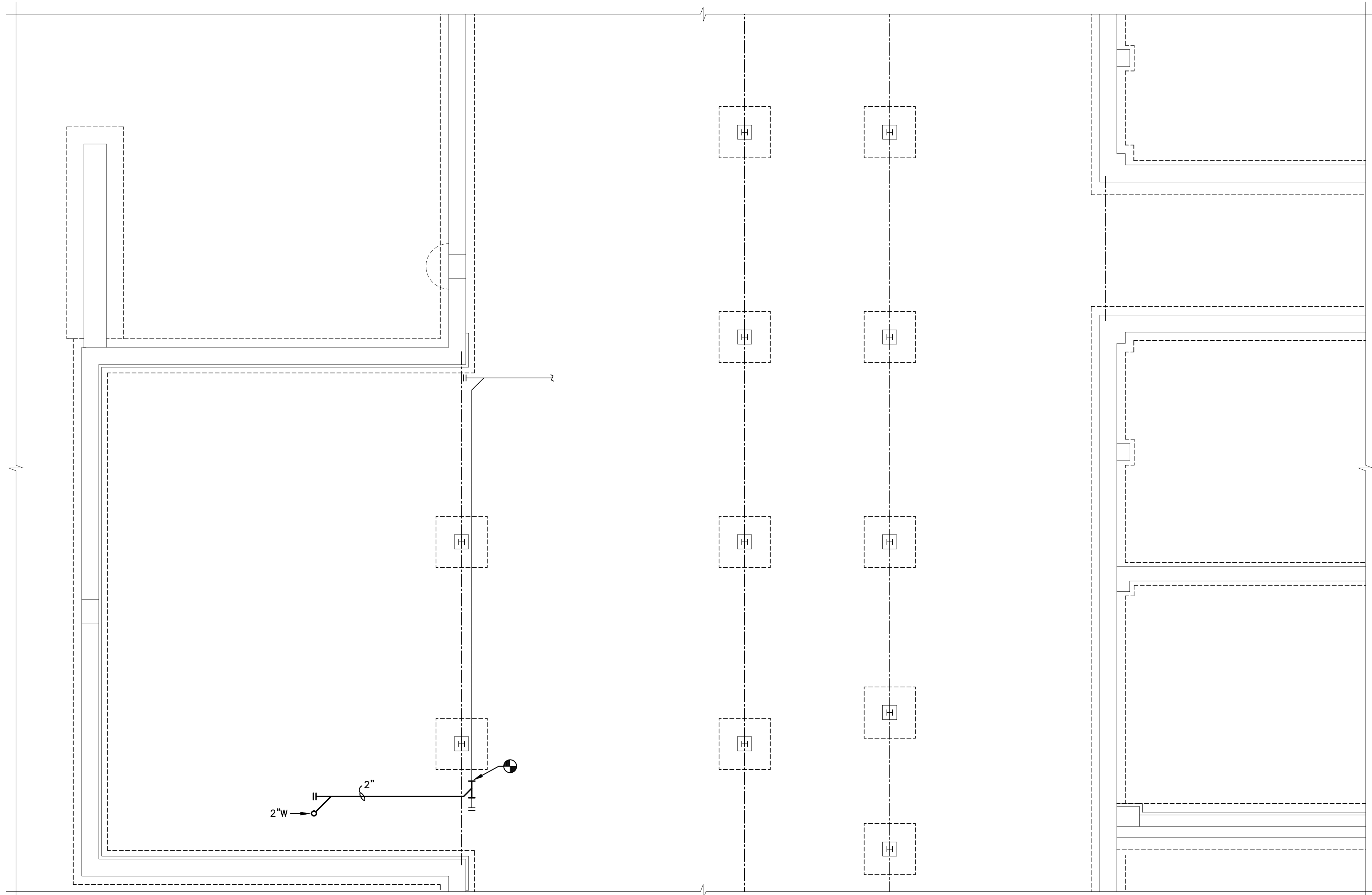
VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT
PLUMBING:
PARTIAL BASEMENT A&B-WING KITCHEN AREA WASTE, VENT, WATER
& GAS PIPING PLANS

#50-012

BID SET
P-4

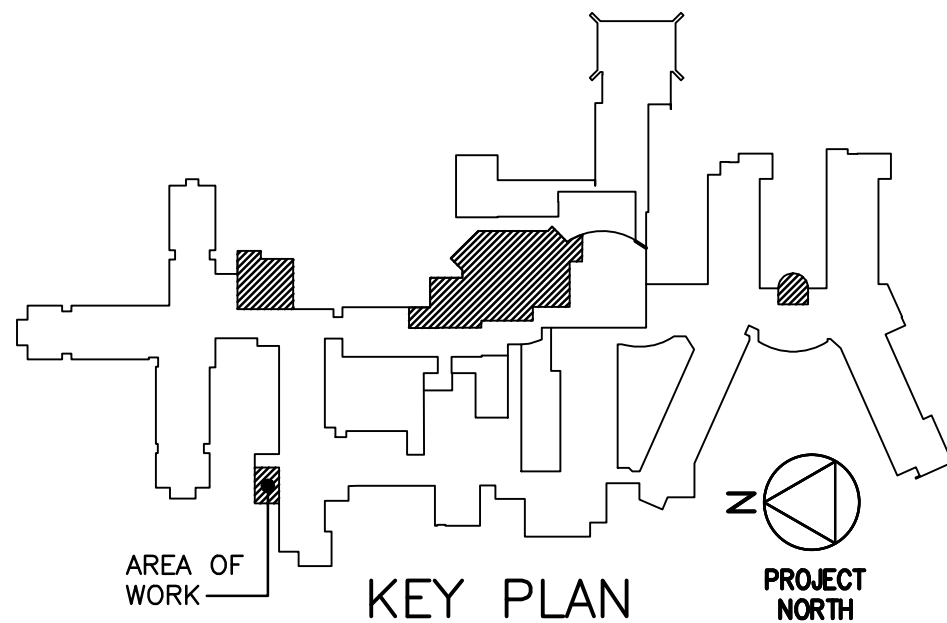
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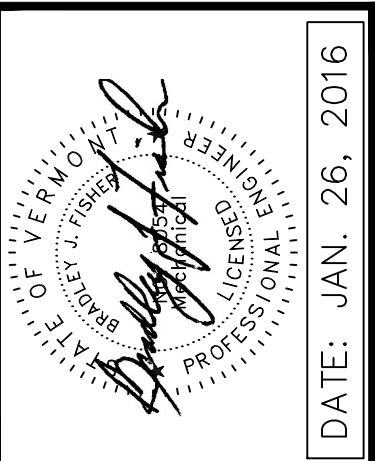


DEDUCT ALTERNATE #1
PARTIAL BASEMENT NORTH WING
SATELITE SERVING AREA PLUMBING PLAN

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



- GENERAL NOTES:
1. FIELD VERIFY EXISTING PIPE SIZES.
 2. ALL PIPING SHALL BE NEW UP TO EXISTING POINT OF CONNECTION.
 3. COORDINATE ALL WORK WITH OTHER TRADES.
 4. FIELD VERIFY EXISTING CONDITIONS, PRIOR TO PROCEEDING WITH INSTALLATIONS.
 5. PLUMBING CONTRACTOR IS RESPONSIBLE FOR CORE-DRILLING, GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING AND PATCHING OF BUILDING MATERIALS.

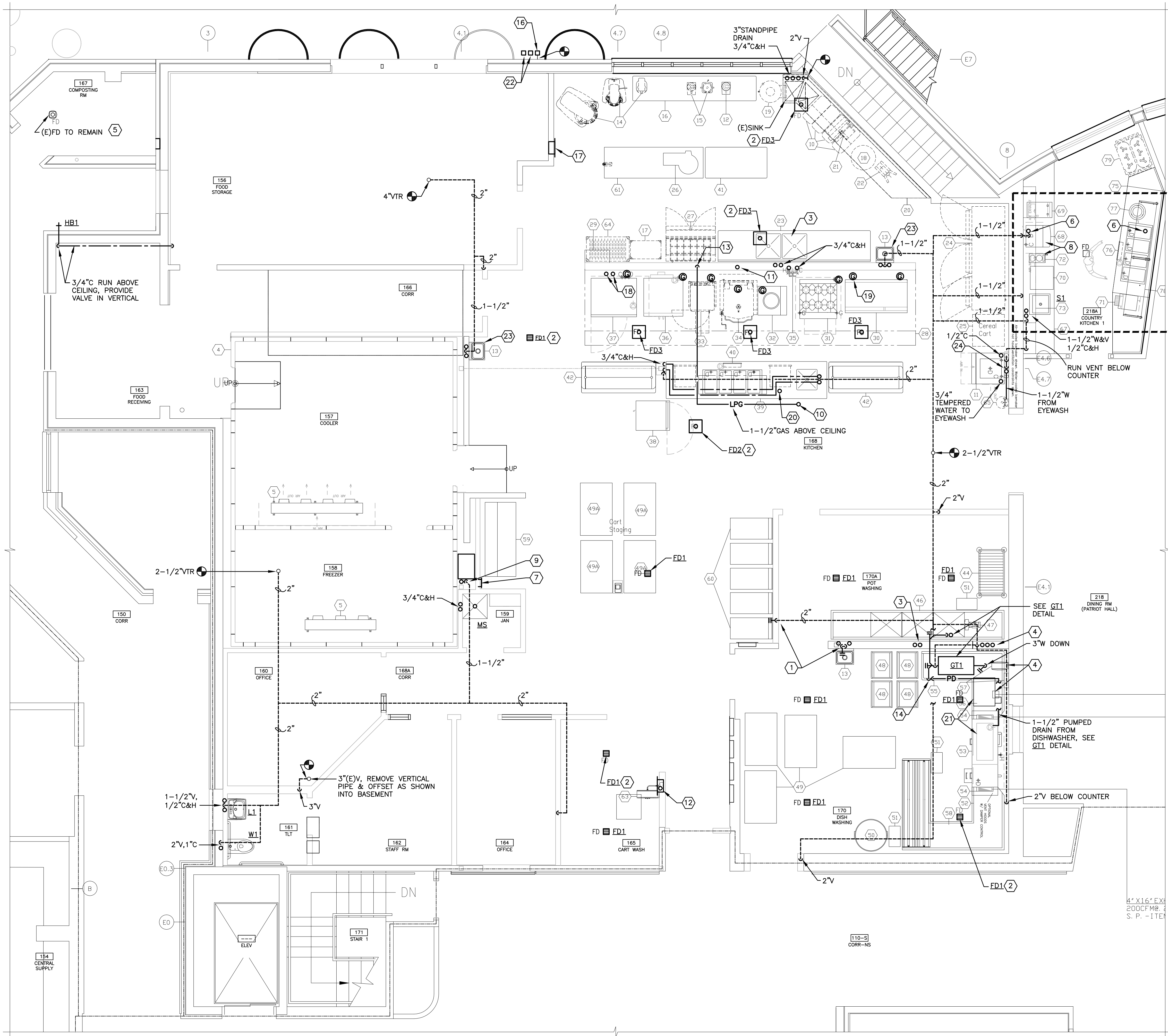


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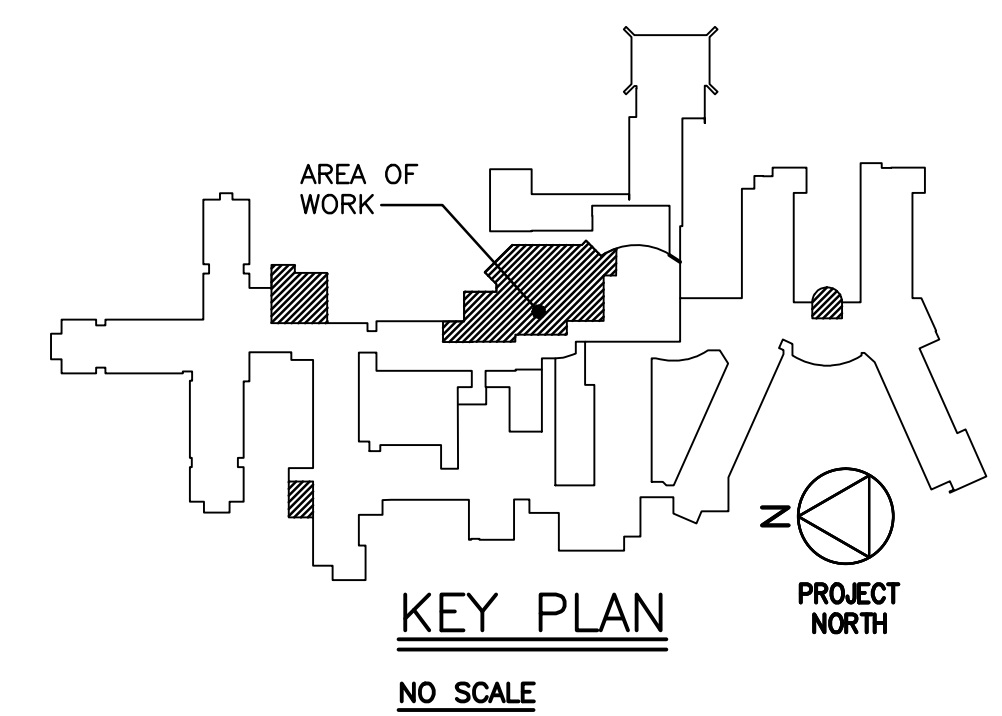
VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT
PLUMBING:
PARTIAL BASEMENT NORTH WING KITCHEN AREA WASTE, VENT,
WATER & GAS PIPING PLAN

BID SET
P-5



- GENERAL NOTES:**
- COORDINATE ALL PLUMBING SERVICES WITH KITCHEN EQUIPMENT.
 - ALL FLOOR DRAIN SEEPAGE OPENINGS SHALL BE CAULKED CLOSED.
 - COORDINATE ALL WORK WITH OTHER TRADES.
 - FIELD VERIFY EXISTING CONDITIONS, PRIOR TO PROCEEDING WITH INSTALLATIONS.
 - PLUMBING CONTRACTOR IS RESPONSIBLE FOR CORE-DRILLING, GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING AND PATCHING OF BUILDING MATERIALS. PROCEDURE FOR REMOVAL OF FLOOR DRAINS SHALL MEET THE REQUIREMENTS OF THE GENERAL CONTRACTOR.
 - SEE FIXTURE SCHEDULE LOCATED IN SPECIFICATION 15034.
 - ALL STANDPIPE DRAINS SHALL BE GALVANIZED STEEL PIPE.

- KEYED NOTES:**
- 1/2" COLD & HOT (110°F). 2" ISLAND FIXTURE VENT, PROVIDE CLEANOUTS FOR VENTING. CONNECT PIPE TO FIXTURE, FIXTURE BY FOOD SERVICE.
 - REPLACE EXISTING FLOOR DRAIN OR FLOOR SINK.
 - 3/4" HOT (140°F) & COLD WATER TO SINK.
 - 2"V, 1" HOT (140°F) WATER AND 1" LP GAS 4" FLUE PIPE TO/ FROM BOOSTER WATER HEATER: PIPE P&T VALVE TO FLOOR DRAIN. 1/2" HOT (140°F) & COLD TO HOSE REEL: BOOSTER HEATER BY FOOD SERVICE.
 - SCOPE AND CLEAN DRAIN PIPING OUT TO NEAREST CATCH BASIN.
 - 2" STANDPIPE DRAIN WITH 3" FUNNEL & P-TRAP, LOCATE BELOW COUNTER. COORDINATE WITH KITCHEN EQUIPMENT.
 - 10"x18" ACCESS PANEL, ACCESS TO CONDENSATE DRAIN POINT.
 - PIPE 1/2" COLD WATER FROM SINK TO COFFEE MAKER & ICE MACHINE, FILTERS BY OTHERS.
 - 2" STANDPIPE DRAIN WITH 3" FUNNEL & P-TRAP FOR CONDENSATE DRAIN POINT.
 - 2PSI, 1-1/2" LP GAS UP TO ROOF TOP UNIT.
 - 1-1/2" GAS SERVICE TO KITCHEN EQUIPMENT, SEE GAS RISER DETAIL.
 - CART WASHING UNIT BY OTHERS. PIPE 3/4" HOT (140°F) WATER TO VALVE BOX ON WALL. PROVIDE VACUUM BREAKER ON WATER SUPPLY.
 - 2PSI, 1-1/2" LP GAS DOWN.
 - 3" STANDPIPE DRAIN FOR 1-1/2" INDIRECT DRAIN FROM DISHWASHER.
 - NOTE NOT USED.
 - PROVIDE 1-1/4" GAS VENT CAP ON EXISTING 1-1/4" VENT LINE.
 - EXISTING EMERGENCY LP GAS SHUT-OFF WITHIN WALL BOX, TO REMAIN.
 - 1" COLD WATER SERVICE, 3" STANDPIPE DRAIN FOR INDIRECT DRAIN FROM KITCHEN ITEM #37.
 - (G) LP GAS CONNECTION TO KITCHEN EQUIPMENT (2)30, 31, 32, 33, 34, 36, 37.
 - 3" STANDPIPE WITH 4" FUNNEL FOR INDIRECT DRAIN FROM KITCHEN EQUIPMENT SHOWN AS PART OF ITEM #39.
 - 1"H&HR TO BE PIPED BETWEEN BOOSTER HEATER AND DISHWASHER.
 - 1/2" GAS VENT CAP & 1/2" COPPER GAS VENT PIPE DOWN OUTSIDE OF BUILDING. SEE GAS VENT DETAIL.
 - 1-1/2"V&W, 1/2"C&H TO FIXTURE, FIXTURE BY FOOD SERVICE.
 - 3" STANDPIPE DRAIN FOR ICE MACHINE & EYEWASH



PARTIAL MAIN LEVEL KITCHEN AREA WASTE, VENT, WATER & GAS PIPING PLAN
SCALE: 1/4" = 1'-0"

DATE: JAN. 26, 2016

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**VERMONT VETERANS' HOME
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KITCHEN RENOVATION PROJECT**

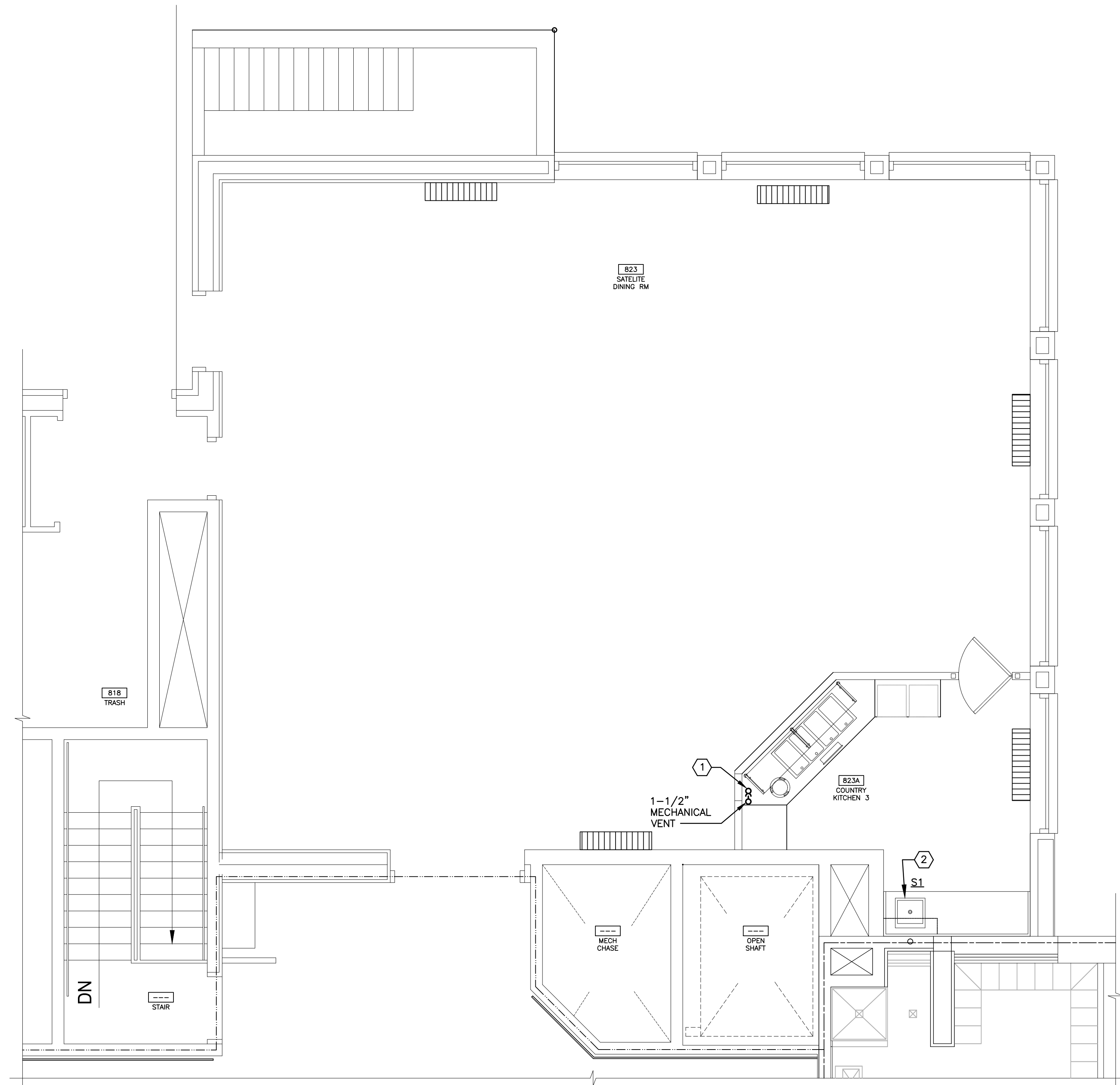
PLUMBING:
PARTIAL MAIN LEVEL KITCHEN AREA WASTE, VENT, WATER & GAS
PIPING PLAN

BID SET

P-6

DATE: JAN. 26, 2016

DATE: JAN. 26, 2016



DEDUCT ALTERNATE #3
PARTIAL MAIN LEVEL A WING SATELITE SERVING AREA WASTE & VENT PIPING PLAN

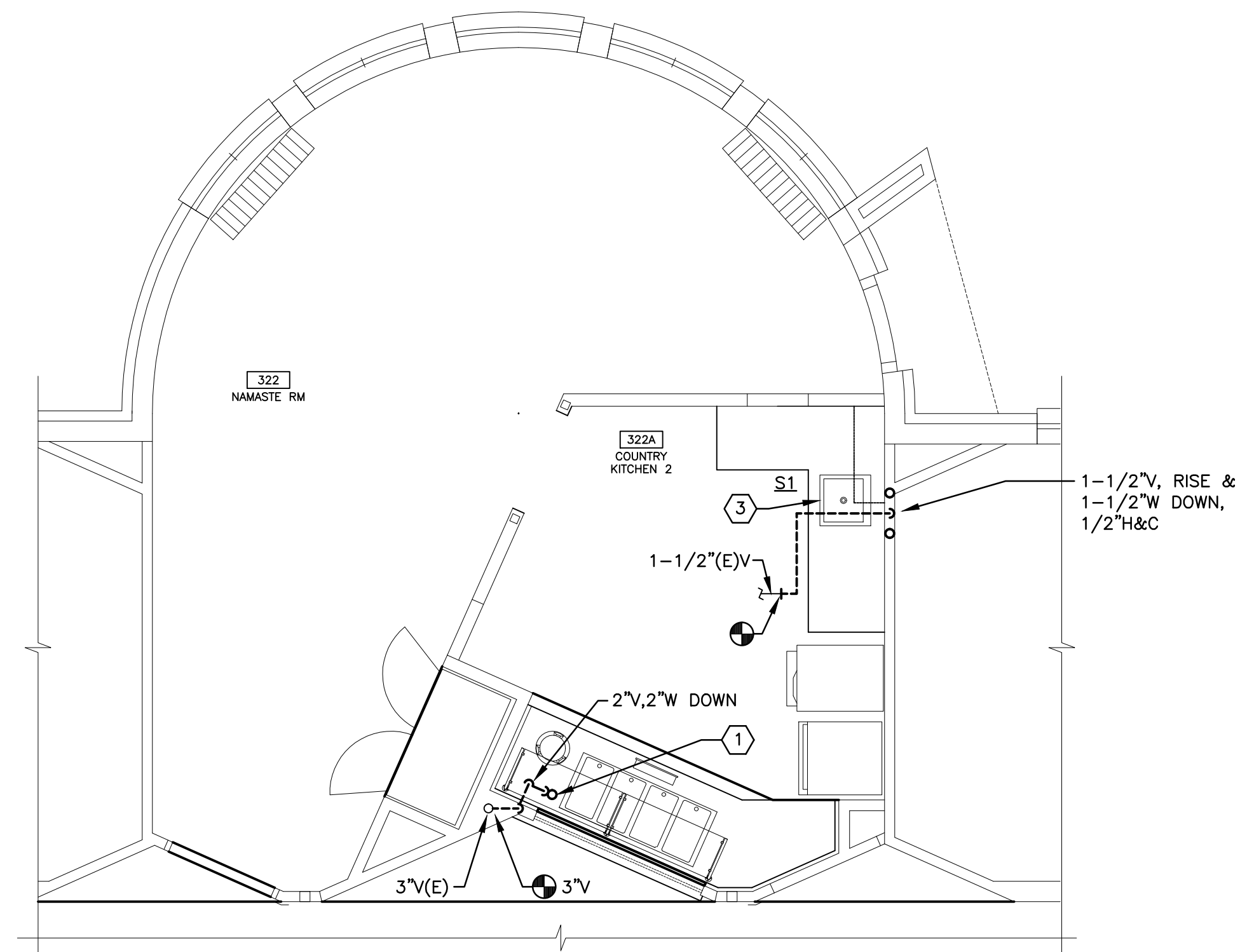
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- COORDINATE ALL WORK WITH OTHER TRADES.
- REFER TO ARCHITECTURAL REMOVALS DRAWING FOR PLUMBING FIXTURES THAT ARE TO BE REMOVED. ALL EXISTING PLUMBING FIXTURES AND TRIM ARE TO BE DISCONNECTED AND REMOVED BY THE PLUMBING CONTRACTOR. ALL EXISTING SUPPLY AND WASTE NIPPLES ARE TO BE REMOVED BACK TO PIPE ROUGHING LOCATIONS. NEW WASTE AND SUPPLY NIPPLES ARE TO BE PROVIDED FOR CONNECTION OF THE NEW PLUMBING FIXTURES TO THE EXISTING ROUGHING.
- FIELD VERIFY EXISTING PIPE SIZES.
- ALL PIPING SHALL BE NEW UP TO EXISTING POINT OF CONNECTION.
- COORDINATE ALL WORK WITH OTHER TRADES.
- FIELD VERIFY EXISTING CONDITIONS, PRIOR TO PROCEEDING WITH DEMO & INSTALLATIONS.
- PLUMBING CONTRACTOR IS RESPONSIBLE FOR CORE-DRILLING, GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING AND PATCHING OF BUILDING MATERIALS.
- SEE FIXTURE SCHEDULE LOCATED IN SPECIFICATION 15034.
- ALL STANDPIPE DRAINS SHALL BE GALVANIZED STEEL PIPE.

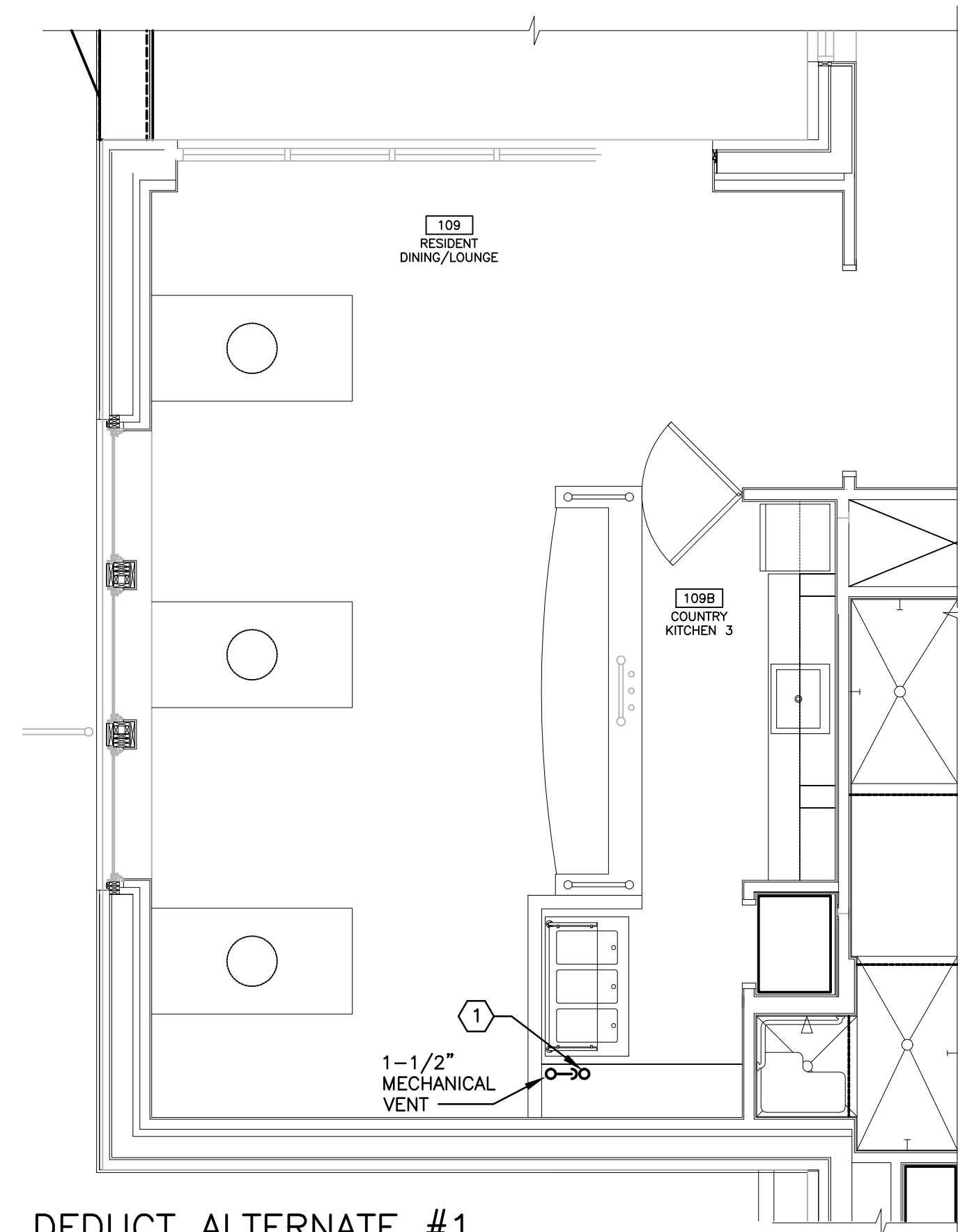
KEYED NOTES:

- 2" STANDPIPE DRAIN WITH 3" FUNNEL & P-TRAP, LOCATE BELOW COUNTER. COORDINATE WITH KITCHEN EQUIPMENT.
- REMOVE EXISTING DOUBLE BOWL SINK, PROVIDE SINK S1 & TRIM, EXTEND CONNECTION TO 1-1/2"DRAIN, 1-1/2"VENT, 1/2" COLD WATER & 1/2" HOT WATER.
- PROVIDE SINK S1 & TRIM, EXTEND CONNECTION TO 1-1/2"DRAIN, 1-1/2"VENT, 1/2" COLD WATER & 1/2" HOT WATER.



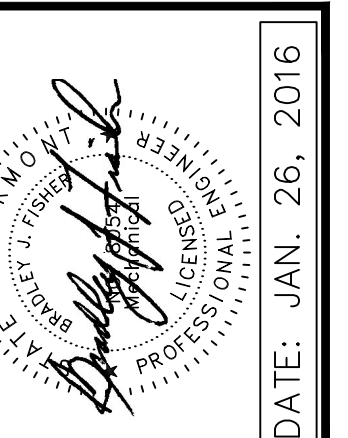
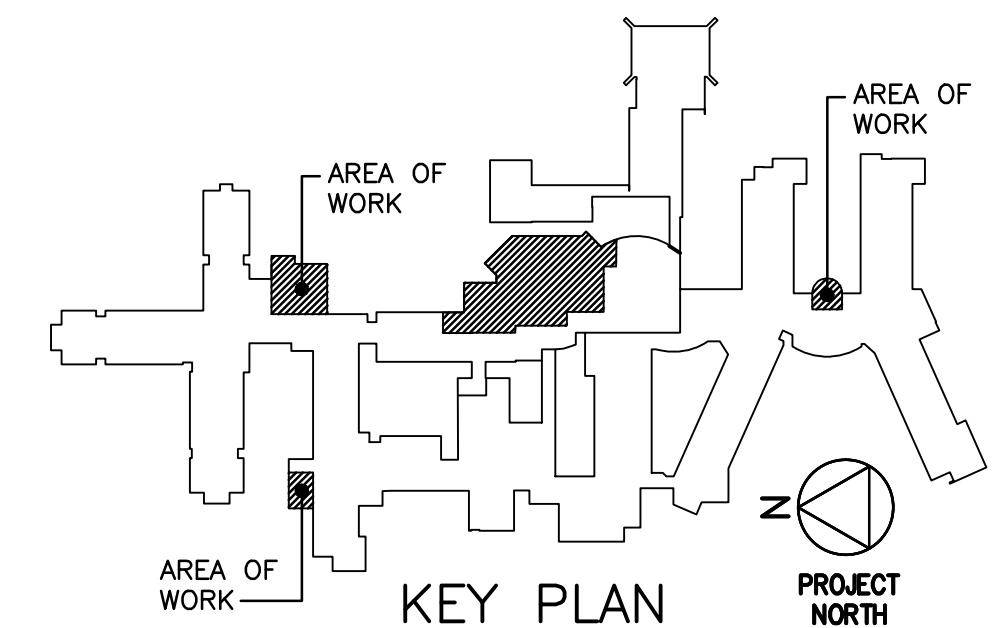
DEDUCT ALTERNATE #4
PARTIAL MAIN LEVEL B WING
SATELITE SERVING AREA WASTE & VENT PIPING PLAN

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



DEDUCT ALTERNATE #1
PARTIAL MAIN LEVEL NORTH WING
SATELITE SERVING AREA WASTE & VENT PIPING PLAN

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



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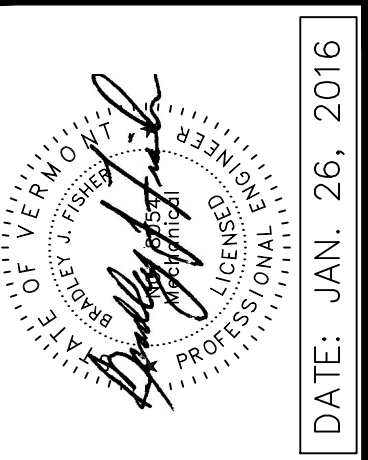
#50-012
VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT
PLUMBING:
PARTIAL MAIN LEVEL SATELITE SERVING AREA WASTE & VENT & WATER PIPING PLANS

BID SET

P-7

FIRE PROTECTION SYMBOLS LIST

<u>GENERAL</u>		<u>ELECTRICAL SYMBOLS (Cont'd)</u>	
Connect new work to existing		Ceiling Mtd Loudspeaker	
<u>EXISTING</u>		Fire Alarm Speaker or Speaker/Light	
Fire Protection Mains		Fire Alarm Bell	
Sprinkler Piping		Fire Alarm Chime	
Water Piping		Fire Alarm Audible Visible Signal	
Sprinkler		Fire Alarm Detector	
<u>NEW</u>		FIRE (F) SMOKE (S)	
Fire Department Connection		<u>MECHANICAL SYMBOLS</u>	
Fire Hose Cabinet		HVAC Diffuser or Register	
Floor Drain		<u>FIRE PROTECTION ABBREVIATIONS</u>	
Fire Protection Mains		Bottom of Pipe	BOP
Sprinkler Piping		Cast Iron	CI
Water Piping		Catch Basin	CB
Union		Floor Drain	FD
Valve-Ball		Inside Diameter	ID
Valve-Butterfly		Invert	INV
Valve-Check		Manhole	MH
Valve-Gate		Outside Diameter	OD
Valve-Globe		Outside Screw and Yoke Gate Valve	OS&Y
Valve-Post Indicator		Polyvinyl Chloride	PVC
Waterflow Switch		Rainwater Conductor	RWC
Equipment Designation, see Specifications - FHC-1		Reinforced	REINF
Upright Sprinkler - Quick Response, Standard Construction		Roof Leader	RL
Pendent Sprinkler - Quick Response, Standard Construction		Sanitary	SAN
Pendent Sprinkler - Quick Response, Institutional Construction		Standard	STD
Sidewall Sprinkler - Quick Response, Standard Construction		Waste Stack	WS
Sidewall Sprinkler - Quick Response, Institutional Construction		<u>GENERAL ABBREVIATIONS</u>	
Dry Pendent Sprinkler - Standard Response		Above Finished Floor	AFF
Dry Sidewall Sprinkler - Standard Response, Standard Construction		Ceiling	CLG
Sprinkler equipped with welded wire sprinkler guard		Diameter	DIA
Sprinkler mounted below duct or obstruction. Approximate deflector mounting height as noted.		Down	DN
Special Temperature Sprinkler		Drawing	DWG
<u>ELECTRICAL SYMBOLS</u>		Elevation	ELEV
Ceiling Mtd Light Fixture		Existing	EXIST
Wall Mtd Light Fixture		Feet	FT
Exit Light		Floor	FL
Emergency Light		Flow Switch	FS
Occupancy Sensor		Horsepower	HP
Nurse call		Manufacturer	MFR
Security Alarm Bell		Maximum	MAX
Security Alarm Horn		Minimum	MIN
		Mounted	MTD
		Not Applicable	N/A
		Not in Contract	NIC
		Number	#
		On Center	OC
		Typical	TYP
		Normally Open	NO
		Normally Closed	NC



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VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT

MECHANICAL:
SYMBOLS LIST & DETAILS

#50-012

BID SET

FP-1

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

GENERAL NOTES:

1. THE SPECIFICATIONS AND RELATED DRAWINGS FOR THE SPRINKLER SYSTEM ARE INTENDED TO ESTABLISH THE MINIMUM DESIGN CRITERIA AND BASIC GUIDELINES FOR THE WORK. THE SPRINKLER CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THE DESIGN CRITERIA, LAYOUT AND DETAILS OF ALL THE SPRINKLER SYSTEM WORK TO MEET THE REQUIREMENTS OF GOVERNING CODES OR REGULATIONS.
2. PROVIDE A HYDRAULICALLY DESIGNED WET PIPE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13 AND OWNER'S INSURANCE CO. REQUIREMENTS. SPRINKLER SHALL COMPLY WITH ORDINARY HAZARD GROUP 1 CLASSIFICATION EXCEPT AS FOLLOWS:
 - ORDINARY GROUP 2 HAZARD CLASSIFICATION
 - STORAGE ROOMS
 - TRASH & COMPOSTING ROOMS
3. AVOID RUNNING PIPING ABOVE ELECTRICAL PANELS. COORDINATE INSTALLATIONS WITH THE ELECTRICAL, MECHANICAL AND PLUMBING CONTRACTORS.
4. PLANS AND CALCULATIONS PREPARED BY THE CONTRACTOR SHALL BE PREPARED BY NICET LEVEL III DESIGNER OR STAMPED BY A FPE.

KEYED NOTES:

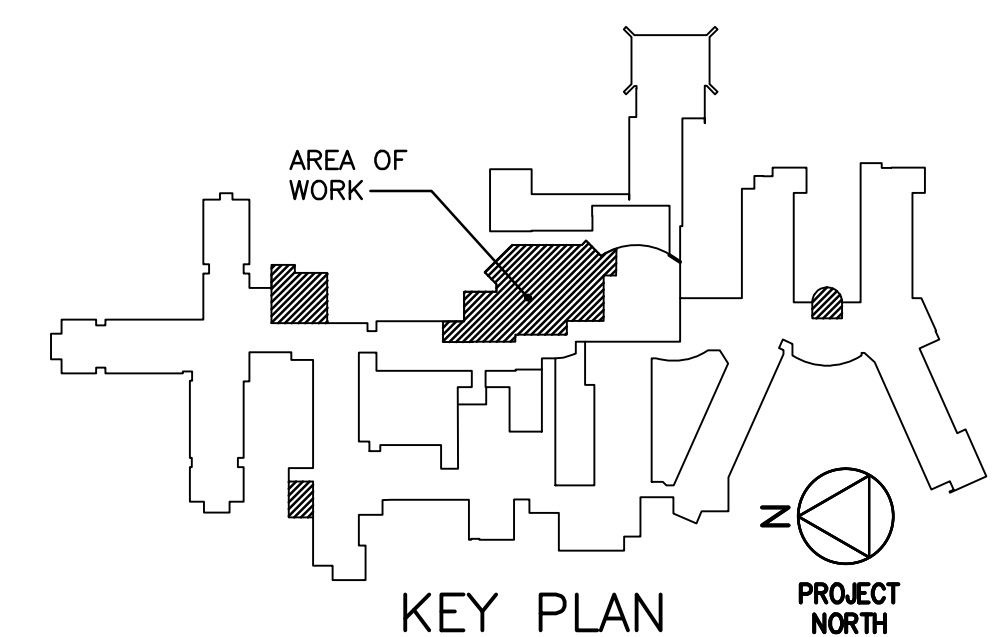
- ① OUTLINE OF KITCHEN HOOD, ANSUL-TYPE FIRE EXTINGUISHING SYSTEM PROVIDED BY OTHERS.
- ② OUTLINE AREA THAT WALLS WILL BE REMOVED AND/OR ADDED AND CEILING LAYOUTS ARE CHANGING. THE EXISTING FIRE PROTECTION SYSTEM SHALL BE MODIFIED TO THE NEW AREA LAYOUT.
- ③ REMOVE EXISTING SPRINKLER CROSS MAIN & REPLACE AS SHOWN WITH 2-1/2", REDUCE AT TEE CONNECTION AS NEEDED.
- ④ EACH SPRINKLER "CONNECT TO EXISTING" SHALL INCLUDE AN EXISTING SHORT SPRINKLER PIPE WITH A SPRINKLER HEAD TO BE REMOVED.
- ⑤ REMOVE HATCH PIPING, TYPICAL.
- ⑥ RELOCATE TWO EXISTING INSPECTORS TEST STATIONS AT CEILING. TEST STATIONS TO BE RUN DOWN ALONG THE WALL A MINIMUM OF 12" A.F.F. REVIEW FINAL LOCATION OF TEST STATIONS WITH THE ARCHITECT, IN THE FIELD, PRIOR TO INSTALLATION.
- ⑦ REPLACE EXISTING SPRINKLER HEADS.
- ⑧ DRY SIDEWALL SPRINKLER HEAD.

HYDRAULIC CALCULATIONS DATA:

REPORTED HYDRANT FLOW DATA: BASED ON TOWN OF BENNINGTON WATER DEPARTMENT FLOW TEST, HYDRANT ON PARK STREET AT MOUNT ANTHONY UNION HIGH SCHOOL.

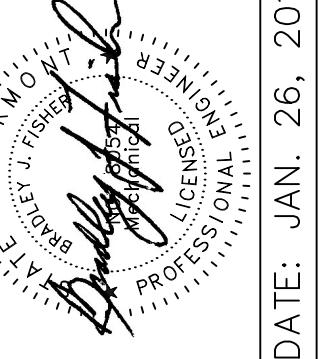
- STATIC PRESSURE: 135 PSI
- RESIDUAL PRESSURE: 85 PSI AT 3690 GPM

PROVIDE 10 PSI CUSHION BETWEEN HYDRAULIC
DESIGN REQUIREMENTS AND AVAILABLE SUPPLY



NO SCALE

FFA #7712



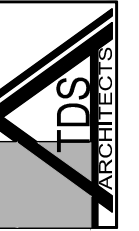
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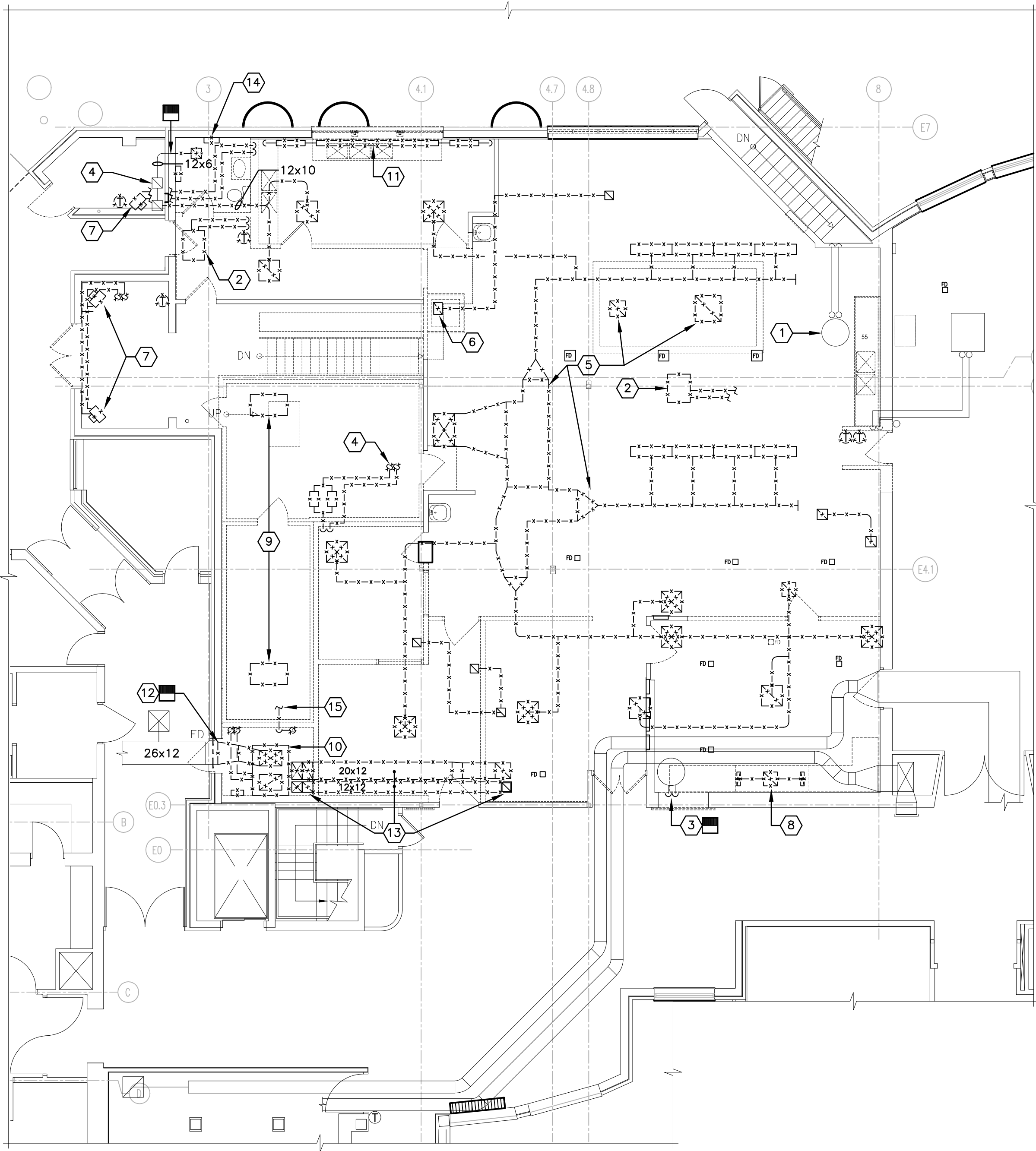
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**VERMONT VETERANS HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT
FIRE PROTECTION:**

PARTIAL MAIN LEVEL

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FP-2



PARTIAL MAIN LEVEL KITCHEN DEMOLITION PLAN

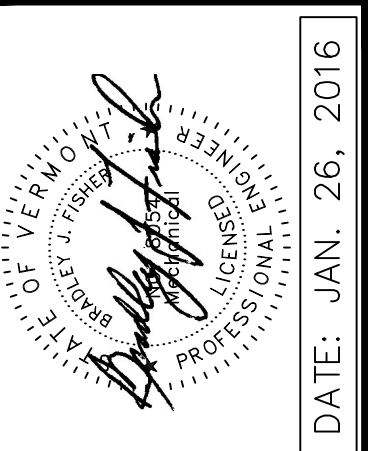
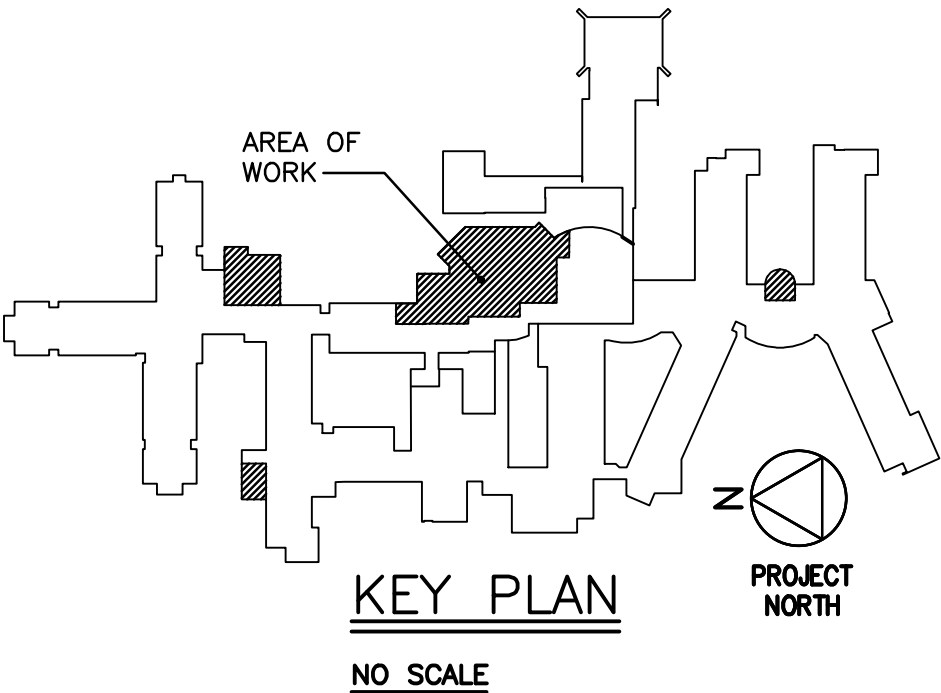
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. THIS DRAWING IS IN PART DIAGRAMMATIC, INTENDED TO SHOW EXISTING DUCT ROUTINGS. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY AND COORDINATE ALL NEW DUCTWORK ROUTINGS AND EXISTING CONDITIONS WITH ALL TRADES.
2. CONTRACTOR SHALL REMOVE ALL EXISTING DUCTWORK, DIFFUSERS, GRILLES, SUPPORTS, FLEX DUCTS, VOLUME CONTROL DAMPERS, TEMPERATURE CONTROLLERS, THERMOSTATS AND ALL ASSOCIATED EQUIPMENT EXCEPT THAT WHICH IS DEPICTED FOR RE-USE.
3. THIS CONTRACTOR SHALL PROVIDE A METHOD OF FILTRATION (E.G. FILTERS OR FILTER FABRIC) FOR ALL EXISTING BASE BUILDING EXHAUST, RETURN, INTAKE, HVAC OPENINGS, ETC. WHICH MAY BE AFFECTED BY CONSTRUCTION DUST AND DEBRIS.
4. DEMOLISH ALL ASSOCIATED PIPING BACK TO THEIR MAINS, VALVE AND CAP.
5. DEMOLISH ALL ABANDONED DUCTWORK, EVEN THOSE NOTE DEPICTED.
6. DEMOLISH ALL ASSOCIATED MATERIALS (E.G. HANGERS, INSULATION, SUPPORTS, ETC.) FOR THOSE SYSTEMS TO BE REMOVED.
7. THIS CONTRACTOR SHALL COORDINATE ALL DEMOLITION OF DUCTWORK PENETRATING THE ROOF WITH THE ARCHITECT FOR PATCHING AND SEALING.
8. THIS CONTRACTOR IS RESPONSIBLE FOR CORE-DRILLING. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING AND PATCHING OF BUILDING MATERIALS.

KEYED NOTES:

- 1 EXISTING REFRIGERANT PIPING AND CONDENSING UNIT (ON ROOF) TO REMAIN.
- 2 DEMOLISH EXISTING CABINET UNIT HEATER IN ITS ENTIRETY. DEMOLISH EXISTING PIPING BACK TO THEIR SOURCES IN THE BASEMENT, VALVE AND CAP AT MAINS.
- 3 EXISTING CONDENSING UNIT (ON ROOF) TO REMAIN. RELOCATE EXISTING 3/8" AND 1/2" REFRIGERANT PIPING SERVING CONDENSING UNIT AND DEHUMIDIFIER IN BASEMENT AS REQUIRED FOR INSTALLATION OF NEW DOORWAY, REFER TO SHEET M4 FOR MORE INFORMATION.
- 4 DEMOLISH EXISTING HOT WATER PUMPS AND PIPING BACK TO THEIR MAINS IN THE BASEMENT, VALVE AND CAP AS DEPICTED ON SHEET M-2.
- 5 DEMOLISH EXISTING KITCHEN HOOD SUPPLY AND EXHAUST DUCTWORK IN THEIR ENTIRETY.
- 6 DEMOLISH EXISTING OVEN EXHAUST DUCTWORK AND 10X10 RISER IN THEIR ENTIRETY.
- 7 DEMOLISH EXISTING UNIT HEATER IN ITS ENTIRETY. DEMOLISH HOT WATER SUPPLY AND RETURN PIPING BACK TO THEIR MAINS IN THE BASEMENT, VALVE AND CAP.
- 8 DEMOLISH EXISTING 16X16 S.S. EXHAUST RISER AND (2)16X4 S.S. DISHWASHER EXHAUST DUCTS IN THEIR ENTIRETY. RE-USE EXISTING ROOF PENETRATION. REFER TO SHEET M-2 FOR MORE INFORMATION.
- 9 NOTE NOT USED.
- 10 DEMOLISH EXISTING AIR HANDLING UNIT HOT WATER PIPING BACK TO THEIR MAINS IN THE BASEMENT, VALVE AND CAP. DEMOLISH ALL AUXILIARY APPURTENANCES (E.G. PUMPS, THERMOSTATS, ETC.).
- 11 DEMOLISH EXISTING FINNED TUBE RADIATION AND 3/4" HOT WATER PIPING BACK TO THEIR MAINS IN THE BASEMENT, VALVE AND CAP.
- 12 DEMOLISH BACK EXISTING SUPPLY DUCT, CAP AND SEAL.
- 13 DEMOLISH EXISTING 20X12 AND 10X10 EXHAUST DUCTS DOWN FROM THE ROOF TO THE BASEMENT RISERS. RE-USE EXISTING 20X12 ROOF PENETRATION, REFER TO SHEET M-2 FOR MORE INFORMATION.
- 14 DEMOLISH EXISTING CONVECTOR IN IT'S ENTIRETY.
- 15 DEMOLISH EXISTING CONDENSATE PIPING BACK TO PLUMBING VENT. PLUMBING VENT DEMOLITION BY OTHERS.

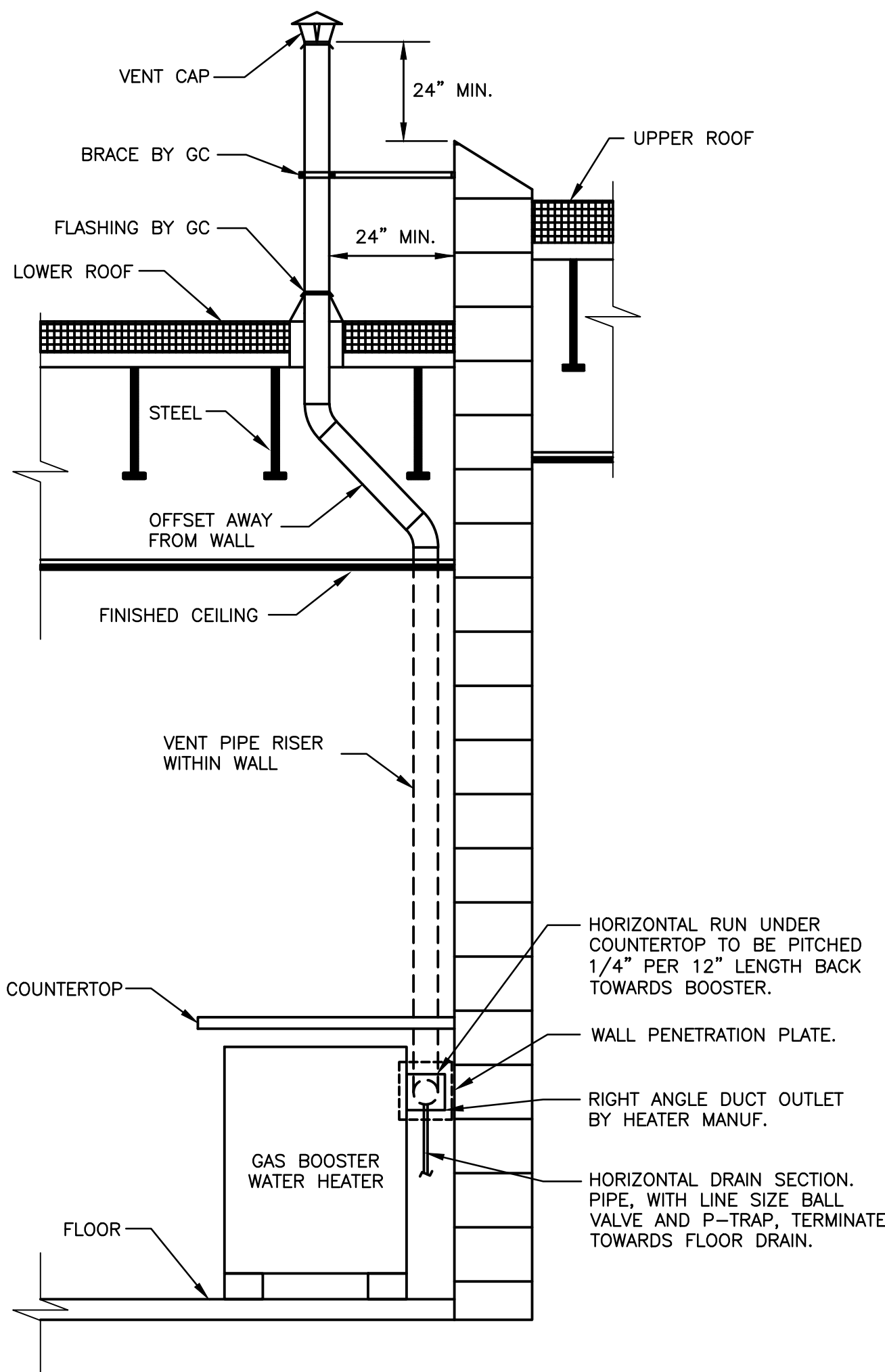


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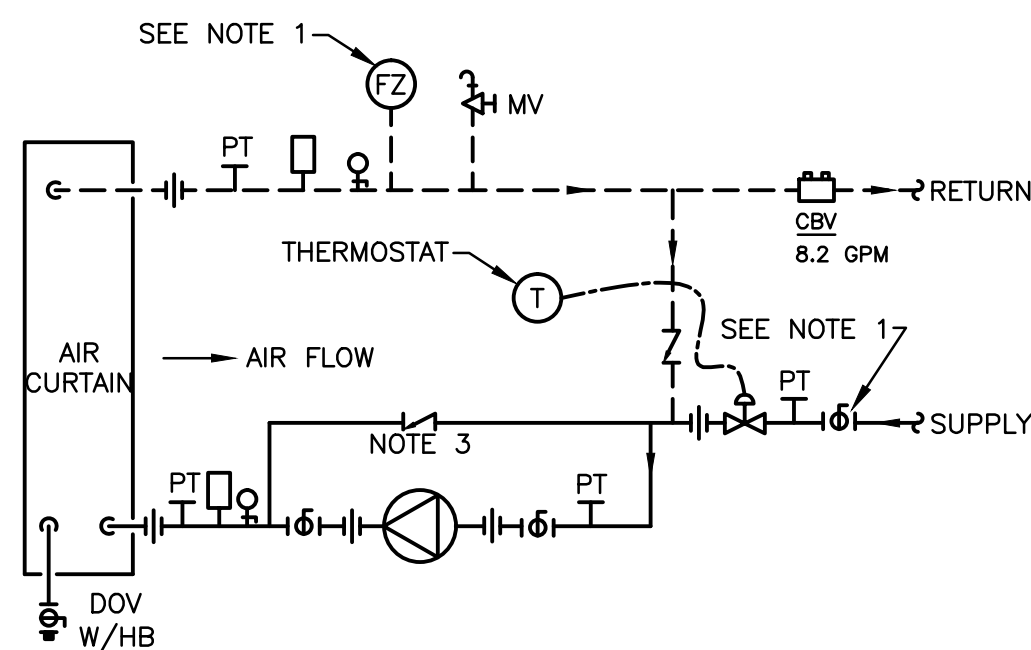
VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT
MECHANICAL:
PARTIAL MAIN LEVEL KITCHEN DEMOLITION PLAN
#50-012

BID SET
MD-1



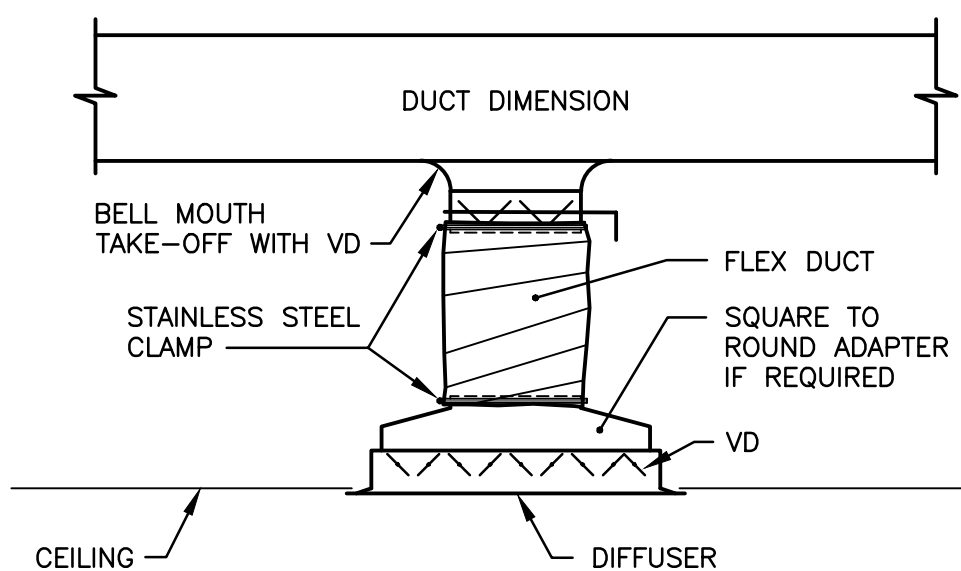
GAS BOOSTER WATER HEATER VENT ELEVATION

NO SCALE



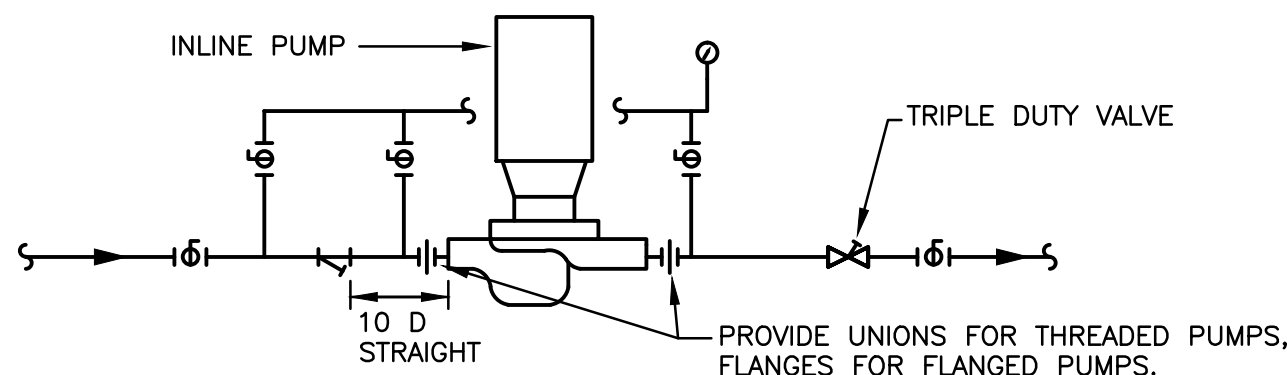
AIR DOOR PIPING DETAIL WITH FULL FLOW FREEZE PROTECTION

NO SCALE



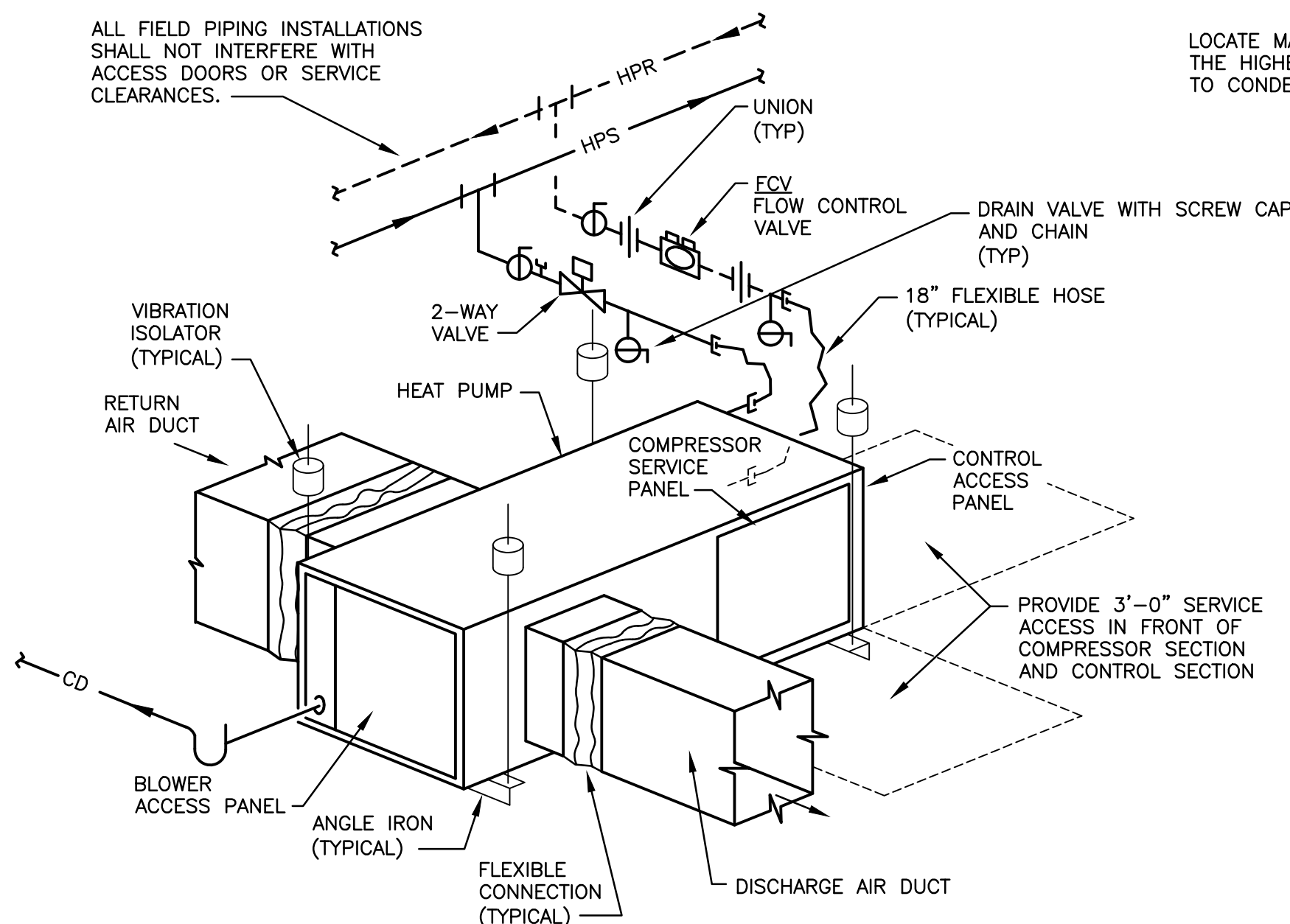
DIFFUSER CONNECTION DIAGRAM

NO SCALE (RETURN AND EXHAUST REGISTER CONNECTION SIMILAR)



INLINE PUMP DETAIL

NO SCALE



NOTE: THE ABOVE CONFIGURATION AND ACCESS REQUIREMENTS IS FOR STRAIGHT DISCHARGE AND RIGHT SIDE RETURN. FOR OTHER CONFIGURATIONS, REFER TO MANUFACTURER'S LITERATURE AND RECOMMENDATIONS.

WATER TO AIR HEAT PUMP PIPING DIAGRAM

NO SCALE

MECHANICAL SYMBOLS LIST

GENERAL

Connect new work to existing	
Limit of demolition work	
DUCTWORK	
Existing duct	
Duct	
Lined duct	
Duct up	
Duct down	
Supply diffuser	
Existing supply diffuser	
Return/exhaust register	
Existing return/exhaust register	
Supply diffuser w/ blank off section	
Volume Damper	
Flexible Duct Connector	
Fire Damper with Access Door	
Smoke Damper with Access Door	
Existing duct (single line)	
Flexible duct	
Thermostat/Temperature Sensor	
Demolition of work	

PIPING

Cold Water	CW
Condensate Drain	CD
Drain	D
Existing Pipe	
Heat Pump Return	HPR
Heat Pump Supply	HPS
Hot Water Return	HWR
Hot Water Supply	HWS
Pumped Condensate	PC
Relief	R
Vent	V

VALVES AND PIPING ACCESSORIES

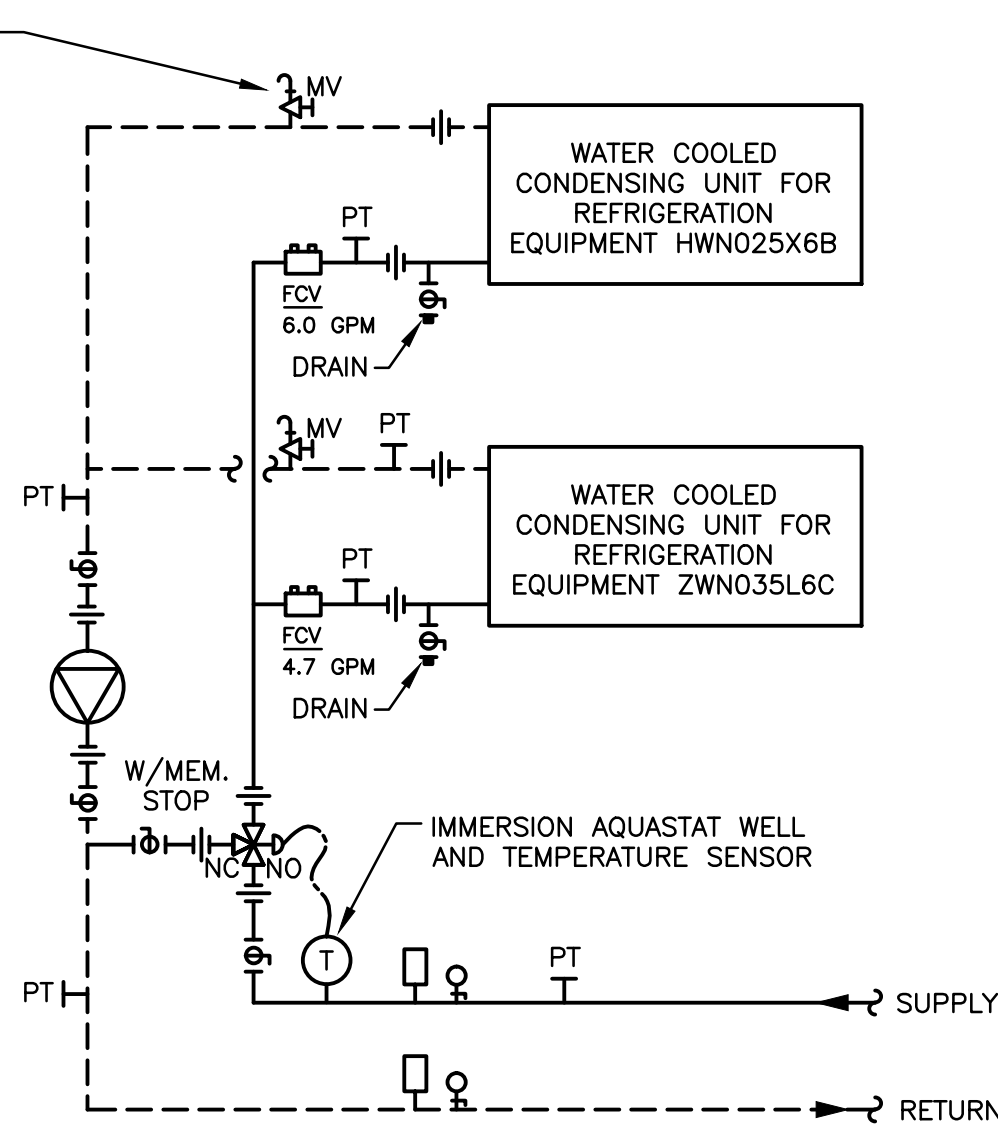
Direction of fluid flow	
Drain Valve	
Pipe down	
Pipe up	
Pipe takeoff from bottom	
Balance Valve	
Ball Valve	
Butterfly Valve	
Calibrated Balance Valve	
Automatic Flow Control Valve	
Check Valve	
Gate Valve	
Isolating Joint	
Manual Air Vent	
Pipe Anchor Point	
Pipe Guide	
Pressure Gauge	
Pump Suction Diffuser	
Strainer	
2-Way Temperature Control Valve	
3-Way Temperature Control Valve	
Thermometer	
Triple Duty Valve	
Union	

MECHANICAL ABBREVIATIONS

Access Door	AD
Automatic Temperature Control	ATC
BTU Per Hour (Thousand)	MBH
Capacity	CAP
Cubic Feet Per Minute	CFM
Direct Digital Control	DDC
Entering Air Temperature	EAT
Entering Dry Bulb Temperature	EDB
Entering Water Temperature	EWT
Entering Wet Bulb Temperature	EWB
Leaving Air Temperature	LAT
Leaving Dry Bulb Temperature	LDB
Leaving Water Temperature	LWT
Leaving Wet Bulb Temperature	LWB
External Static Pressure	ESP
Exhaust Air	EA
Fire Damper	FD
Gallon	GAL
Gallons Per Minute	GPM
Gauge or Gage	GA
Head	HD
Linear Feet or Foot	LF
Outside Air Intake	OAI
Pounds Per Hour	LBS/HR
Pressure Drop	PD
Pressure/Temperature Port	PT
Relative Humidity	RH
Return Air	RA
Supply Air	SA
Static Pressure	SP
Variable Air Volume	VAV
Variable Frequency Drive	VFD

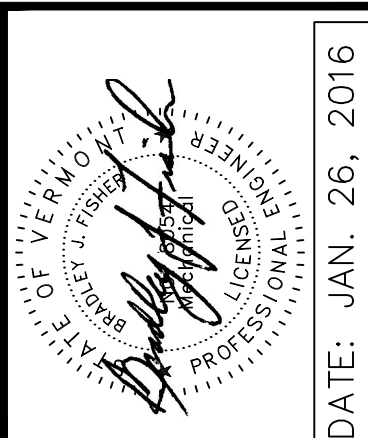
GENERAL ABBREVIATIONS

Above Finished Floor	AFF
Ceiling	CLG
Diameter	DIA
Down	DN
Drawing	DWG
Existing	EXIST
Feet	FT
Floor	FL
Flow Switch	FS
Horsepower	HP
Manufacturer	MFR
Maximum	MAX
Minimum	MIN
Mounted	MTD
Number	#
On Center	OC
Typical	TYP
Normally Open	NO
Normally Closed	NC



WATER COOLED CONDENSING UNIT - HEAT PUMP LOOP PIPING CONNECTION TO REFRIGERATION UNIT DETAIL

NO SCALE



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#50-012
VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT
MECHANICAL:
SYMBOLS LIST & DETAILS

BID SET

M-0

KITCHEN ROOFTOP PACKAGE																															
TAG	EXHAUST AIR FAN									SUPPLY AIR FAN									HEATING COIL							SOUND DATA		DESIGN BASIS		NOTES	
	TYPE	CFM	ESP	RPM	BHP	HP	VOLTAGE	MCA	MOP	TYPE	CFM	ESP	TSP	RPM	BHP	HP	VOLTAGE	MCA	MOP	FUEL	TURNDOWN	MIN.PRESS.	INPUT	OUTPUT	EAT	LAT	SONES	DB	MANUF.		MODEL
KU1	VAV	5000	2.0	1027	2.65	3.0	208-3-60	8.2	20.0	VAV	5000	1.0	2.0	1019	3.42	5.0	208-3-60	13.4	35.0	LP GAS	25:1	9 IN.WC	528.3	486	-20	70	24	74	GREENHECK	DGX-115-H22	1,2,3,4,5,6,7
<div>1. PROVIDE ALUMINUM MESH FILTERED WEATHERHOOD, 100% OUTDOOR AIR, REMOTE TSCP PANEL, UPBLAST DISCHARGE, V-BANK FILTERS (MERV8), OUTDOOR AIR DAMPERS, DISCHARGE DAMPER, DAMPER END SWITCHES MOTOR STARTERS, DIRTY FILTER SENSOR, INLET AIR SENSOR, AUXILIARY CONTACTS, GAS PRESSURE REGULATOR, DISCHARGE AIR CONTROL WITH ROOM OVERRIDE, DOUBLE WALL CONSTRUCTION, INTEGRAL DISCONNECT, HINGED ACCESS, CONTROL CENTER, UNIT SUPPORT, 1"INSULATED COMBO ROOF CURB 24"HIGH SLOPED TO ACCOMMODATE PITCHED ROOF AND 1-YR. WARRANTY.</div> <div>2. UNIT MOTORS SHALL BE VARIABLE VOLUME AND CONTROLLED BY HEAT /OPTICAL SENSORS (BY THE HOOD MANUFACTURER), COORDINATE WITH HOOD MANUFACTURER FOR CONNECTION OF DRIVES TO UNIT MANUFACTURERS MOTORS.</div> <div>3. SMOKE DETECTOR AND SERVICE RECEPTACLE SHALL BE FURNISHED BY THE EQUIPMENT MANUFACTURER WIRED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.</div> <div>4. MECHANICAL CONTRACTOR TO COORDINATE A SEPARATE 120V POWER SOURCE BY THE ELECTRICAL CONTRACTOR REQUIRED FOR UNIT CONTROL CENTER AND SERVICE RECEPTACLE.</div> <div>5. PROVIDE UL LISTED UNIT.</div> <div>6. EXHAUST FAN MODEL SHALL BE BASED ON GREENHECK CUBE-360XP-30. PROVIDE THE FOLLOWING OPTIONS: HINGED BASE CURB, DISCONNECT SHIPPED LOOSE AND INSTALLED/WIRED BY ELECTRICAL CONTRACTOR, CURB SEAL, GREASE TRAP, HEAT BAFFLE, CLEAN-OUT PORT AND 1-YEAR WARRANTY.</div> <div>7. THIS CONTRACTOR SHALL COORDINATE FACTORY START-UP TO INCLUDE THE PRESCENCE OF THE FOLLOWING TECHNICIANS: KITCHEN CONTRACTOR, UNIT MANUFACTURER, AUTOMACTIC CONTROLS CONTRACTOR AND MECHANICAL CONTRACTOR.</div>																															

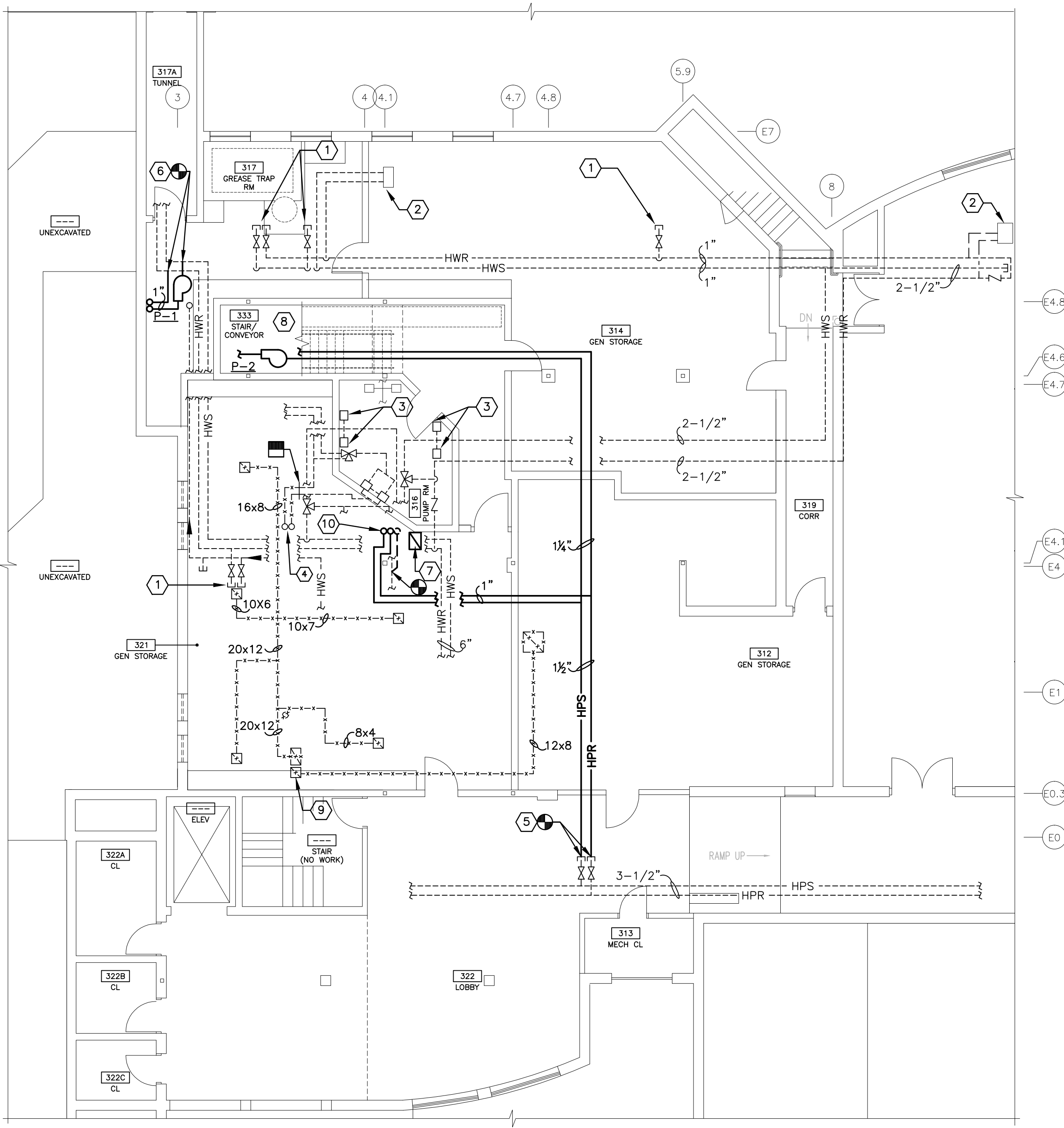
WATER-TO-AIR HEAT PUMP SCHEDULE																		
TAG	AREA SERVED	CFM	EXT. S.P. IN.	GPM	MAX WPD. FT.	COOLING PERFORMANCE (EAT 80.6°F DB/66.2°F WB)			HEATING PERFORMANCE (EAT 68°F)			ELECTRICAL DATA				DESIGN BASIS		NOTES
						EWT °F	TOTAL MBH	EER	EWT °F	TOTAL MBH	COP	VOLTS	PHASE	MCA	MOP	MANUF.	MODEL	
HP1	OFFICES	325	0.5	2.3	10.3	77	7.8	15.0	32	6.3	3.3	208	1	5.3	15.0	DAIKIN	WCCW 007	1,2,3,4,6
HP2	FOOD STORAGE	700	0.5	4.0	4.7	77	30.0	14.0	32	17.5	3.4	208	1	12.3	15.0	DAIKIN	WCCW 024	1,2,3,4,5,6
1. COOLING AND HEATING PERFORMANCE BASED ON ARI/ISO 13256-1 PERFORMANCE DATA. 2. ALL UNITS TO BE PROVIDED WITH FACTORY WIRED NON-FUSED DISCONNECT, DRAIN PAN, THERMAL EXPANSION VALVE, INSULATED COAXIAL COIL. CORMAX CONNECTIONS AND BACNET COMMUNICATION MODULE. 3. ACCESSORIES TO INCLUDE: FILTER RACK, CONDENSATE OVERFLOW SWITCH, WATER CONNECTIONS, HOSE KITS FOR SUPPLY AND RETURN, STRAINERS, SHUT-OFF VALVES, HANGAR BRACKETS AND COMPLETE SOUND PACKAGE. 4. UNIT IS HORIZONTAL TYPE CONFIGURATION. 5. PROVIDE ECM MOTOR AND SCROLL COMPRESSOR. 6. UNITS TO BE FILLED AND OPERATE WITH 40% PROPYLENE GLYCOL FLUID.																		

AIR DOOR SCHEDULE																			
TAG	CABINET TYPE	AIR DATA				HOT WATER DATA					ELECTRICAL DATA						DESIGN BASIS		NOTES
		CFM	FPM	MBH	MTR.	WPD	EWT	TEMP.RISE	GPM	EAT	AMPS	VOLTS	Ph.	Hz.	MCA	MOP	MANUF.	MODEL	
AD1	CEILING FULLY RECESSED	1936	1408	82.0	2@1/2HP	10.0	180°F	39°F	8.2	35°F	5.0	120	1.0	60	10.0	15.0	POWERED AIRE	CLD-2-72HS	1,2
1. ACCESSORIES BY THE MANUFACTURER TO INCLUDE: INTEGRAL NON-FUSED DISCONNECT SWITCH, SINGLE POINT POWER CONNECTION, TIME DELAY RELAY, PROGRAMMABLE THERMOSTAT, LOCKING COVER, AND CONCEALED MAGNETIC DOOR SWITCH (FURNISHED AND INSTALLED BY THIS CONTRACTOR, COORDINATE WIRE PATHWAY IN DOOR FRAME WITH THE GENERAL CONTRACTOR). 2. PROVIDE CEILING MOUNT OPTION AND VIBRATION ISOLATORS.																			

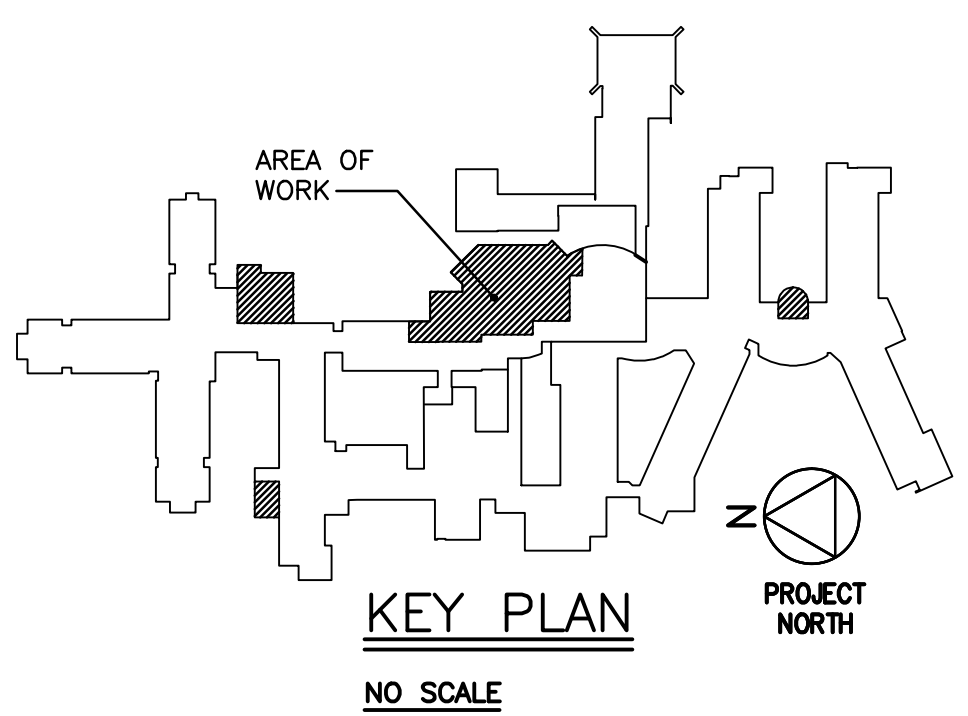
EXHAUST FAN SCHEDULE										
TAG	TYPE	FAN			MOTOR			DESIGN BASIS		NOTES
		TOTAL CFM	SP IN WG	MAX RPM	HP	ELECT.	SONES	MANUF.	MODEL	
EF1	BELT DRIVE ROOF MTD	600	0.75	1212	1/4	120-1-60	9.5	GREENHECK	CUBE-141HP-4	1,2
EF2	BELT DRIVE ROOF MTD	100	0.25	1550	1/60	120-1-60	3.7	GREENHECK	G-060-D	5
EF3	BELT DRIVE ROOF MTD	1810	1.0	1665	3/4	208-1-60	14.3	GREENHECK	GB-131-7	4
EF4	BELT DRIVE ROOF MTD	300	0.75	1487	1/4	120-1-60	7.0	GREENHECK	GB-101HP-4	3
1. PROVIDE MOTOR STARTER, THERMAL OVERLOAD, DISCONNECT, GRAVITY BACK DRAFT DAMPER, ALUMINUM BIRDSCREEN, HOOD HASPS, EXTENDED TUBE LINES, GREASE TRAP, CLEANOUT PORT, SPARE BELT AND STAINLESS STEAL SHAFT. 2. ALL ALUMINUM TYPE-A CONSTRUCTION. 3. PROVIDE MOTOR STARTER, DISCONNECT, GRAVITY BACKDRAFT DAMPER, ALUMINUM BIRDSCREEN, 14" HIGH ROOF CURB, HOOD HASPS, SPAREBELT AND CURB SEAL. 4. PROVIDE MOTOR STARTER, DISCONNECT, 24V MOTORIZED DAMPER, ALUMINUM BIRDSCREEN, HOOD HASPS, SPARE BELT AND CURB SEAL. 5. PROVIDE MOTOR STARTER, DISCONNECT, GRAVITY BACKDRAFT DAMPER, ALUMINUM BIRDSCREEN, HOOD HASPS, CURB SEAL AND SPEED CONTROLLER.										

AIR DEVICE SCHEDULE										
TAG	TYPE	CFM RANGE	NC LEVEL	MAX PD.	MAX VEL.	PANEL SIZE	NECK SIZE	DESIGN BASIS		NOTES
								MANUF.	MODEL	
SD1	SUPPLY	0-100	<15	0.02	500	24 x 24	6"ø	NAILOR	AUNI	1,2,3,4,5,6
SD2	SUPPLY	201-350	<15	0.05	600	24 x 24	10"ø	NAILOR	AUNI	1,2,3,4,5,6
SD3	SUPPLY	0-100	<15	0.02	500	12 x 12	6"ø	NAILOR	AUNI	1,2,3,4,5,6
RR1	RETURN	0-800	<20	0.20	650	24 x 24	15"ø	NAILOR	AUNI	1,2,3,4,5,6
RR2	RETURN	0-100	<15	0.02	500	24 x 24	8"ø	NAILOR	AUNI	1,2,3,4,5,6
ER1	EXHAUST	101-200	<15	0.03	550	24 x 24	8"ø	NAILOR	AUNI	1,2,3,4,5,6
ER2	EXHAUST	0-100	<15	0.02	500	12 x 12	6"ø	NAILOR	AUNI	1,2,3,4,5,6
TG1	TRANSFER	0-800	<15	0.02	500	14 x 12	14 x 12	NAILOR	51DH	1,2,3,4,5,6
NOTES: 1. SELECTIONS BASED ON NAILOR OR APPROVED EQUAL. 2. BORDER TYPES SHALL BE COMPATIBLE WITH THE ARCHITECTURAL CEILING TYPE FOR WHICH THE AIR DEVICE IS TO BE INSTALLED. 3. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR LOCATIONS AND QUANTITIES. 4. PROVIDE LAY-IN, TEGULAR AND GWB FRAMES PER THE ARCHITECTURAL REFLECTED CEILING REQUIREMENTS PER THE ARCHITECT. 5. INDIVIDUALLY SUPPORT EACH AIR DEVICE. 6. AIR DEVICES SHALL BE STANDARD BAKED ON WHITE ENAMEL FINISH UNLESS OTHERWISE SPECIFIED ON THE ARCHITECTURAL PLANS.										

PUMP SCHEDULE											
TAG	TYPE	SERVICE	AREA SERVED	PUMP		MOTOR			DESIGN BASIS		NOTES
				GPM	FT HD	RPM	HP	ELECT.	MANUF.	MODEL	
P1	INLINE	HOT WATER	AD1	8.2	24	1750	0.167	120/1/60	TACO	IL0011	1
P2	INLINE	HEAT PUMP LOOP	FOOD SERVICE BASEMENT	17	28	1750	0.33	120/1/60	TACO	2445	2,3
1. PROVIDE WITH COMBINATION MOTOR STARTER. 2. PUMP FLUID TO BE 40% PROPYLENE GLYCOL SOLUTION. 3. PUMP SHALL MAINTAIN CONSTANT FLOW.											

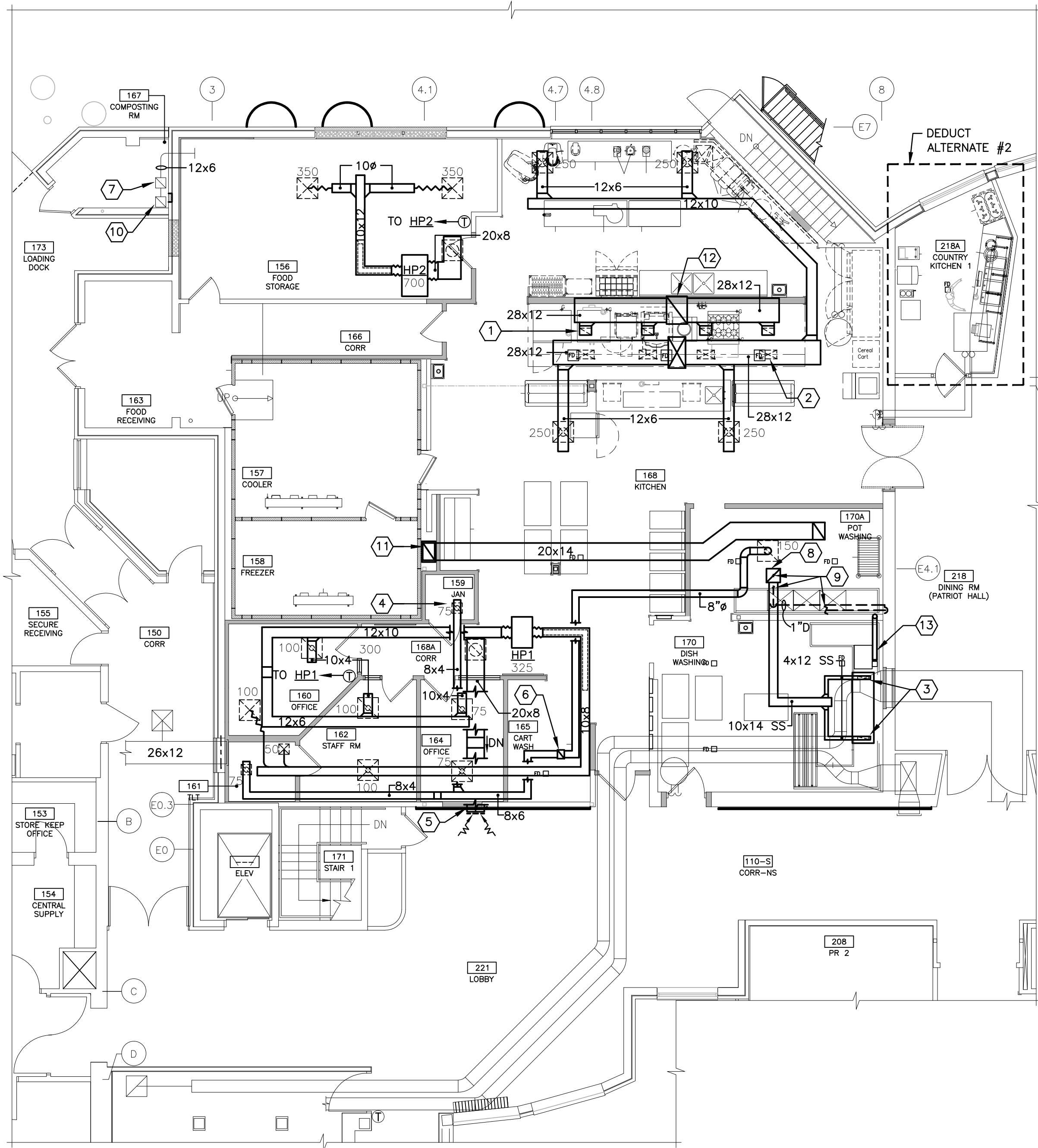


PARTIAL BASEMENT LEVEL KITCHEN MECHANICAL PLAN
SCALE: 1/8" = 1'-0"



- GENERAL NOTES:**
- ALL PIPING TO AC UNITS SHALL BE BY THE MANUFACTURERS RECOMMENDATIONS, SIZES SHOWN FOR REFERENCE ONLY.
 - MAINTAIN ALL REQUIRED MAINTENANCE AND N.E.C. CODE REQUIRED CLEARANCES FOR CONTROL ENCLOSURES AND ELECTRICAL ACCESS SECTIONS OF EQUIPMENT.
 - PITCH ALL CONDENSATE PIPING A MINIMUM OF 1/8" PER FOOT TO TERMINATION POINT/MAINS.
 - THIS CONTRACTOR IS RESPONSIBLE FOR CORE-DRILLING. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING AND PATCHING OF BUILDING MATERIALS.
- KEYED NOTES:**
- VALVE AND CAP EXISTING HOT WATER PIPING BACK TO THEIR MAINS FROM DEMOLISHED EQUIPMENT, REFER TO SHEET MD-1 FOR MORE INFORMATION.
 - EXISTING HOT WATER UNIT HEATER TO REMAIN.
 - EXISTING HOT WATER DISTRIBUTION PUMPS TO REMAIN.
 - DEMOLISH EXISTING 2 1/2" HWS&R DOWN FROM EXISTING ROOFTOP AIR HANDLING UNIT BACK TO BASEMENT, VALVE AND CAP PIPING IN GENERAL STORAGE 321.
 - CONNECT 1 1/2" HEAT PUMP SUPPLY AND RETURN PIPING TO EXISTING HEAT PUMP SUPPLY AND RETURN TAPS FROM MAIN DISTRIBUTION PIPING.
 - CONNECT 1" HOT WATER SUPPLY AND RETURN PIPING TO EXISTING HOT WATER SUPPLY AND RETURN DISTRIBUTION PIPING. RUN NEW PIPING UP TO AIR DOOR.
 - PROVIDE OPEN ENDED 20X14 EXHAUST DUCT WITH WIRE MESH SCREEN AND A VOLUME DAMPER, BALANCE TO 1810 CFM. EXHAUST DUCT SHALL BE INSTALLED ABOVE EXISTING PIPING AND EXTEND DOWN FROM THE SLAB A MINIMUM OF 12".
 - REFER TO SHEET M-0 FOR WATER COOLED CONDENSING UNIT - HEAT PUMP LOOP PIPING CONNECTION TO REFRIGERATION UNIT DETAIL.
 - DEMOLISH EXISTING 20X12 AND 12X12 EXHAUST RISERS AND ASSOCIATED DUCTWORK AS DEPICTED.
 - 1" HEAT PUMP SUPPLY AND RETURN PIPING UP THRU CHASE. 1" CONDENSATE PIPING DOWN FROM CHASE. TIE CONDENSATE PIPING INTO EXISTING SANITARY LINE WITH AN AIR GAP.

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<p>#50-012 VERMONT VETERANS' HOME BENNINGTON, VERMONT KITCHEN RENOVATION PROJECT MECHANICAL: PARTIAL BASEMENT LEVEL KITCHEN MECHANICAL PLAN</p>	
<p>BID SET</p>	
<p>M-2</p>	



PARTIAL MAIN LEVEL KITCHEN DUCTWORK PLAN

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

GENERAL NOTES:

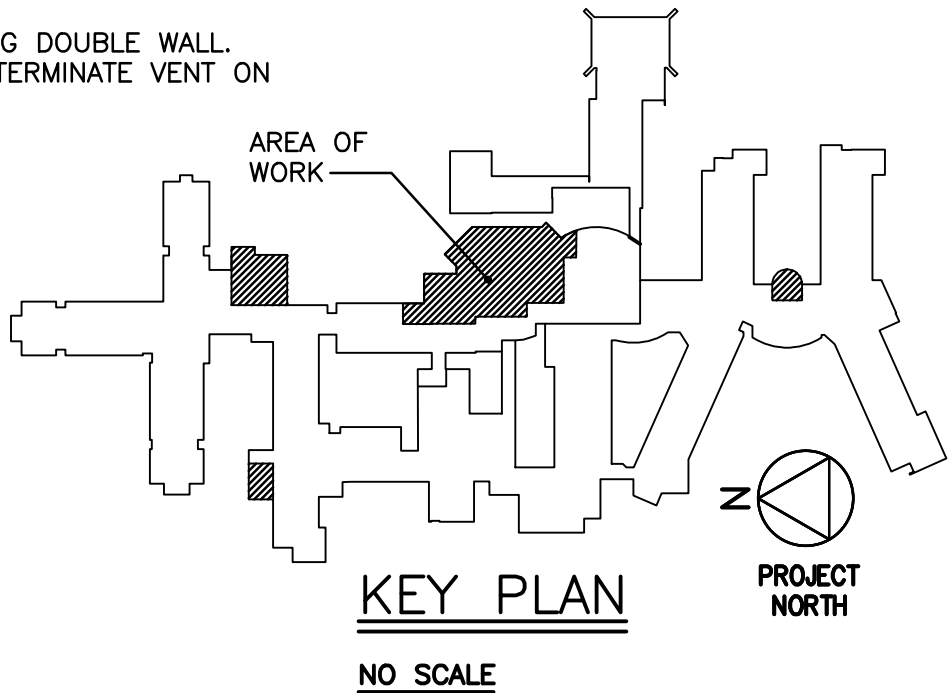
1. ALL RUN-OUTS TO AIR DEVICES SHALL BE THE SAME SIZE AS THE INLET LISTED ON THE SCHEDULE SHEET M-1 FOR THAT AIR DEVICE.
2. INSTALLATION OF NEW DUCTWORK HAS TIGHT CONSTRAINTS. PROVIDE TRANSITIONS, ELBOWS, ETC. AS REQUIRED FOR DUCT INSTALLATIONS. FIELD VERIFY ALL DUCT LOCATIONS AND COORDINATE WITH ALL TRADES PRIOR TO DUCT SHOP DRAWING SUBMISSION.
3. ALL SUPPLY DUCTWORK SHALL BE INSULATED WITH A MINIMUM OF 1-1/2" ALUMINUM FACED JACKETING.
4. TAKE-OFFS TO AIR DEVICES AND BRANCH DUCTWORK SHALL BE LOCATED A MINIMUM OF 5'-0" DOWNSTREAM OF TERMINAL UNIT OUTLETS.
5. ALL TRANSFER DUCTS SHALL HAVE A MINIMUM LINING OF 1".
6. ALL EQUIPMENT SHALL BE LINED A MINIMUM OF 10'-0" FROM THE INLET AND OUTLET OF EQUIPMENT (E.G. EXHAUST FANS AND TERMINAL UNITS).
7. MAINTAIN ALL REQUIRED MAINTENANCE AND NEC CODE REQUIRED CLEARANCES FOR CONTROL ENCLOSURES AND ELECTRICAL ACCESS SECTIONS OF EQUIPMENT.
8. PROVIDE VOLUME DAMPERS AT EVERY TAKE-OFF/RUN-OUT FROM BRANCH DUCTWORK AND OPEN ENDED DUCTS.
9. THIS CONTRACTOR IS RESPONSIBLE FOR CORE-DRILLING. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING AND PATCHING OF BUILDING MATERIALS.

KITCHEN EQUIPMENT SYSTEM NOTES:

1. PROVIDE LIQUID TIGHT STAINLESS STEEL DUCTWORK FOR ALL GREASE LADEN AIR SYSTEMS (I.E. EXHAUST HOOD, DISHWASHER) AND PITCH THEM A MINIMUM OF 1/4" BACK TOWARDS THE EQUIPMENT THEY ARE SERVING.
2. PROVIDE GREASE LADEN AIR ACCESS DOORS IN LIQUID TIGHT STAINLESS STEEL DUCTWORK EVERY 12'-0" AND A MINIMUM OF TWO FOR EACH SYSTEM RUN OF DUCTWORK (E.G. A MINIMUM OF 4'-0" DOWNSTREAM AND UPSTREAM WITHIN THE TOTAL RUN OF DUCTWORK). GREASE LADEN AIR ACCESS DOORS SHALL BE SIMILAR TO DUCTMATE MODEL F2.
3. PROVIDE GREASE LATENT AIR SYSTEMS WITH 3" FIRE WRAP SIMILAR TO UNIFRAX MODEL FyreWRAP.
4. NO OBSTRUCTIONS SHALL BE INSTALLED IN KITCHEN EXHAUST DUCTWORK (E.G. VOLUME DAMPERS, FIRE DAMPERS).
5. CLEANOUTS ARE REQUIRED EVERY 20'-0" ON CENTER AND EVERY CHANGE IN DUCT DIRECTION OR ELEVATION (ONE CLEANOUT MINIMUM ON EVERY RUN REQUIRED, 12"x12" MIN. TOWARDS BOTTOM OF DUCT OR TO ALLOW PERSONAL ENTRY). LOCATE THEM ON SIDE OF DUCTS NOT LESS THAN 1 1/2" BELOW THE BOTTOM OF THE DUCT AND NOT LESS THAN 1" FROM THE TOP OF THE DUCT.
6. ALL EXHAUST DUCTS SHALL BE SLOPED BACK A MINIMUM OF 1/4" BACK TO THE HOOD, IF THE LENGTH EXCEEDS 75'-0" THE EXHAUST DUCT SHALL BE SLOPED BACK A MINIMUM OF 1/2" BACK TO THE HOOD.
7. FLEXIBLE CONNECTORS SHALL NOT BE USED IN ANY PART OF THE EXHAUST SYSTEM AND ALL DUCTS SHALL BE BOLTED TO THE EQUIPMENT.
8. DUCT TO HOOD JOINTS SHALL BE MADE WITH CONTINUOUS INTERNAL OR EXTERNAL LIQUID TIGHT WELDED JOINTS WITHOUT ANY GREASE TRAPS. VERTICAL CONNECTIONS SHALL HAVE A DUCT WITH A 1" DEEP FLANGE MADE BY 1"x1" ANGLE IRON WELDED TO THE FULL PERIMETER OF THE DUCT NOT LESS THAN 1" ABOVE THE BOTTOM END OF THE DUCT.
9. VIBRATION ISOLATION FOR CONNECTION OF DUCTWORK TO THE EXHAUST FAN SHALL BE A COATED FABRIC FLEXIBLE DUCT CONNECTOR LISTED AND LABELED FOR THE APPLICATION AND ONLY INSTALLED AT THE DUCT CONNECTION TO THE FAN.
10. PRIOR TO SYSTEM USE BY THE OWNER/TENANT AN ILLUMINATED LEAKAGE TEST MUST BE PERFORMED TO ENSURE ALL JOINTS ARE LIQUID TIGHT, THE TEST SHALL BE CONDUCTED USING A LIGHT OF NOT LESS THAN 100 WATTS. TO DETERMINE VISUALLY IF THERE ARE ANY GAPS/HOLES, THE TEST SHALL ALSO INCLUDE THE CONNECTION TO THE HOOD. SECTIONS OF CONTINUOUS WELDS MAY BE TESTED AND NOT THE ENTIRE SYSTEM HOWEVER ALL JOINTS MUST BE TESTED.

KEYED NOTES:

1. LIQUID TIGHT STAINLESS STEEL 8x14 EXHAUST DUCT CONNECTION TO HOOD, TYPICAL OF 4 CONNECTIONS.
2. 16x10 SUPPLY DUCT CONNECTION TO HOOD, TYPICAL OF 4.
3. LIQUID TIGHT STAINLESS STEEL 4x16 EXHAUST DUCT CONNECTION TO DISHWASHER.
4. 8x4 EXHAUST DUCT WITHIN GWB CEILING, PROVIDE A VOLUME DAMPER.
5. TRANSITION 20x8 DOWN TO GRILLE LOCATED IN LOBBY-221, REFER TO SHEET M4 FOR MORE INFORMATION.
6. 8x10 DOWN FROM EF4 FROM EXISTING ROOF PENETRATION.
7. EXISTING EXHAUST DUCTWORK UP TO EF2.
8. 14x12 DISHWASHER EXHAUST DUCTWORK UP TO EF1, RE-USE EXISTING ROOF PENETRATION. EXHAUST FAN OPERATION TO BE INTERLOCKED WITH THE OPERATION OF THE DISHWASHER.
9. PROVIDE A DUCT DRAIN WITH BALL VALVE AT THE BOTTOM OF THE RISER AND HORIZONTAL RUN. DUCT DRAINS SHALL BOTH BE 3/4" AND DRAIN INTO 1" DRAIN PIPE ABOVE THE CEILING. 1" DRAIN PIPE SHALL RUN OVER TO ADJACENT WALL AND EXIT BELOW THE SINKS TO AN AIR GAP AT THE WASTE LINE (BY OTHERS).
10. BALANCE TO 100 CFM.
11. 20x14 EXHAUST DUCT DOWN FROM EF-3 ON THE ROOF INTO CHASE.
12. 22x18 SUPPLY DUCT DOWN FROM KU-1 SHALL TRANSITION TO A 20x36 SUPPLY DUCT BELOW THE DECK. 36x36 EXHAUST DUCT DOWN FROM KU-1 SHALL TRANSITION TO A 20x32 EXHAUST DUCT BELOW THE DECK. COORDINATE EXACT LOCATION WITH THE STRUCTURAL DRAWINGS.
13. 4" ID DOUBLE WALL AL29-4C S.S. VENT SIMILAR TO METAL-FAB CG DOUBLE WALL. CONNECT TO UNDER COUNTER GAS BOOSTER WATER HEATER AND TERMINATE VENT ON ROOF. SEE DETAIL ON M-0.



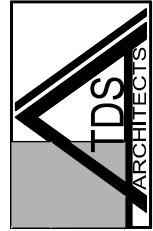
KEY PLAN

NO SCALE

FFA #7712

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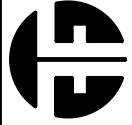
#50-012

VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT
MECHANICAL:
PARTIAL MAIN LEVEL KITCHEN DUCTWORK PLAN

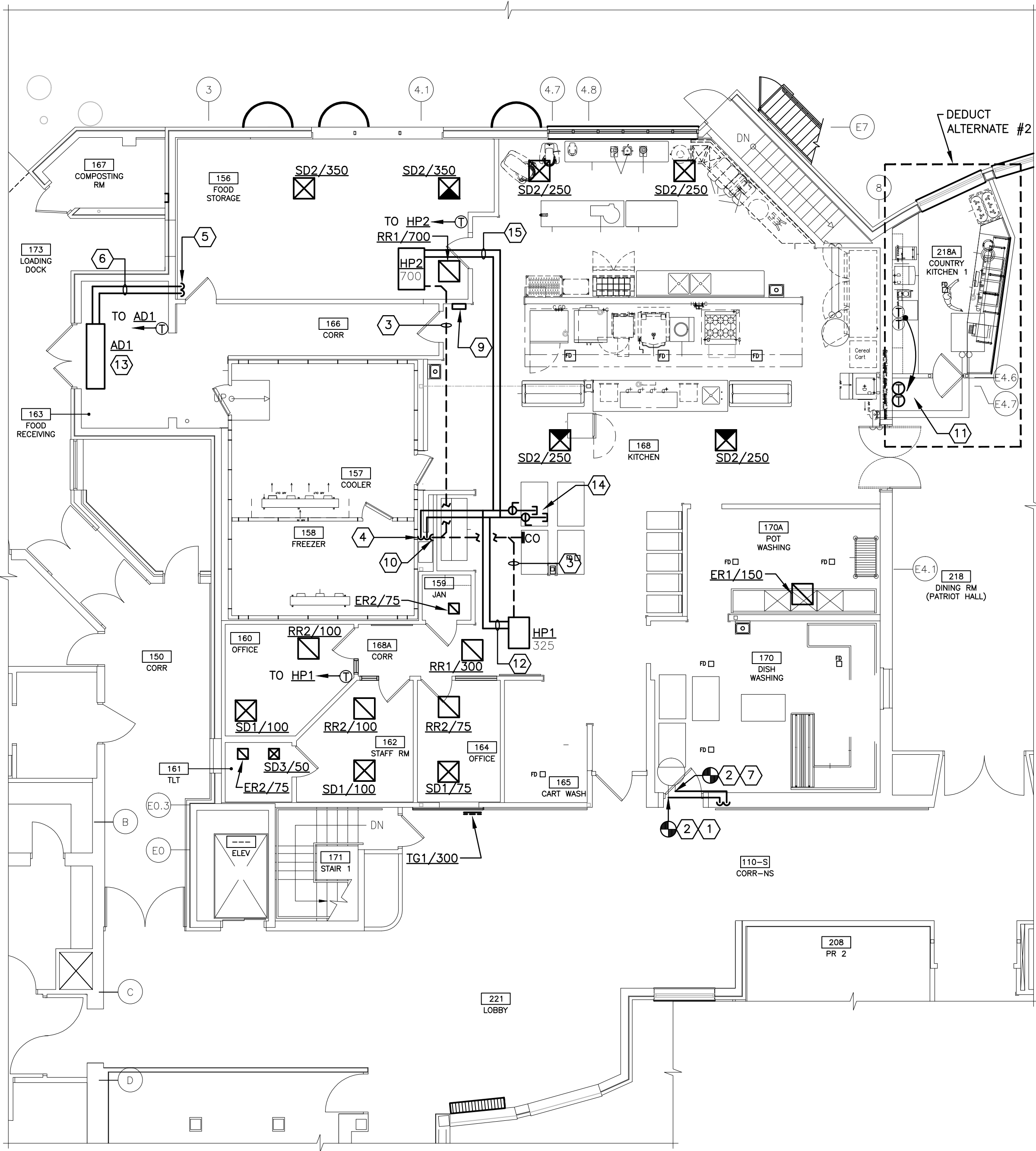
BID SET

M-3

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DATE: JAN. 26, 2016



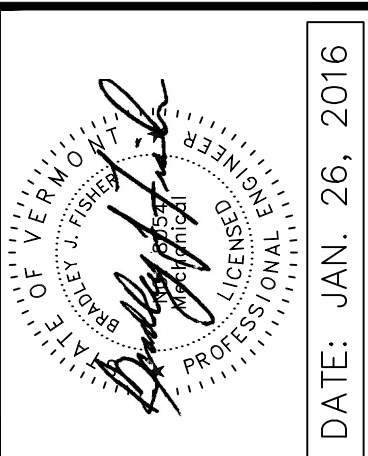
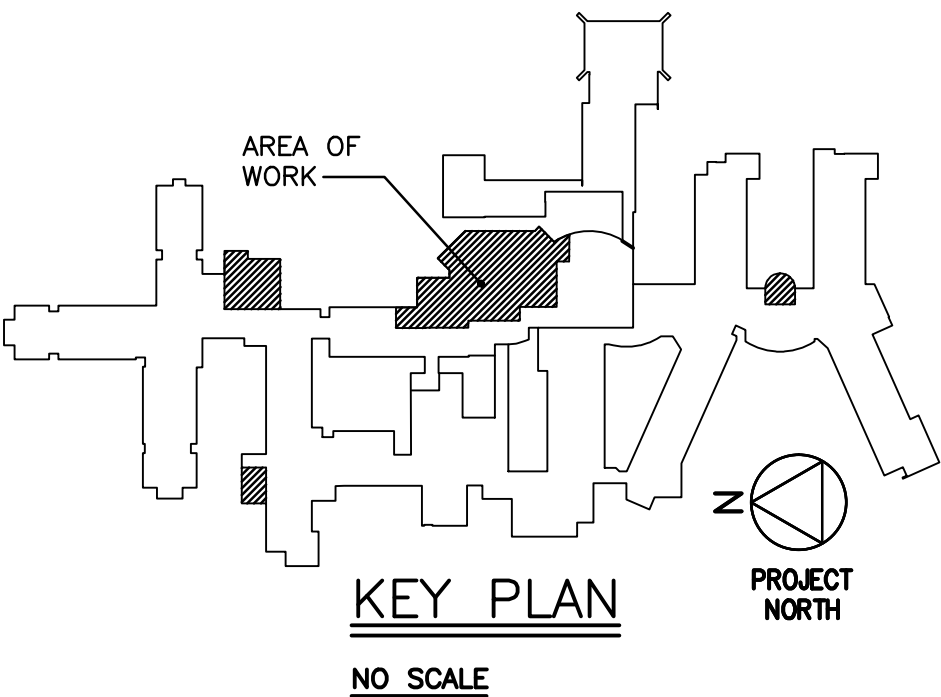
PARTIAL MAIN LEVEL KITCHEN EQUIPMENT AND PIPING PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. ALL PIPING TO AC UNITS SHALL BE BY THE MANUFACTURERS RECOMMENDATIONS, SIZES SHOWN FOR REFERENCE ONLY.
2. MAINTAIN ALL REQUIRED MAINTENANCE AND N.E.C. CODE REQUIRED CLEARANCES FOR CONTROL ENCLOSURES AND ELECTRICAL ACCESS SECTIONS OF EQUIPMENT.
3. PITCH ALL CONDENSATE PIPING A MINIMUM OF 1/8" PER FOOT TO TERMINATION POINT/MAINS.
4. THIS CONTRACTOR IS RESPONSIBLE FOR CORE-DRILLING. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING AND PATCHING OF BUILDING MATERIALS.

KEYED NOTES:

- 1 THIS CONTRACTOR SHALL RECOVER, RECLAIM AND DISPOSE OF THE EXISTING REFRIGERANT IN THIS SYSTEM (CONDENSING UNIT ON ROOF AND EVAPORATOR IN BASEMENT) PER THE APPLICABLE CODES AND REGULATIONS GOVERNED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
- 2 EXTEND AND REROUTE EXISTING 3/8" AND 1/2" REFRIGERANT PIPING SERVING CONDENSING UNIT ON ROOF AND DEHUMIDIFIER IN BASEMENT TO ACCOMMODATE NEW DOOR. COORDINATE REROUTING OF PIPING IN WALL WITH THE ARCHITECTURAL PLANS FOR EXACT LOCATION.
- 3 3/4" CONDENSATE PITCHED A MINIMUM OF 1/8" TOWARDS CONDENSATE MAIN.
- 4 1" HEAT PUMP SUPPLY AND RETURN PIPING UP FROM THE BASEMENT LEVEL.
- 5 1" HOT WATER SUPPLY AND RETURN PIPING UP FROM THE BASEMENT LEVEL.
- 6 1" HOT WATER SUPPLY AND RETURN PIPING TO AIR DOOR.
- 7 THIS CONTRACTOR SHALL RECHARGE THE EXISTING REFRIGERANT SYSTEM (CONDENSING UNIT ON ROOF AND EVAPORATOR IN BASEMENT) WITH THE APPROPRIATE QUANTITY AND TYPE OF REFRIGERANT REQUIRED TO FULLY CHARGE THE SYSTEM. THE SYSTEM THEN SHALL BE COMMISSIONED TO ENSURE IT IS FULLY OPERATIONAL.
- 8 NOTE NOT USED.
- 9 REMOTE KU-1 PANEL, LOW VOLTAGE WIRING BY MECHANICAL CONTRACTOR.
- 10 1"CONDENSATE LINE. PITCH A MINIMUM OF 1/8" TOWARDS CHASE.
- 11 RELOCATE EXISTING THERMOSTATS AS DEPICTED.
- 12 3/4"HEAT PUMP SUPPLY AND RETURN PIPING TO WATER SOURCE HEAT PUMP.
- 13 AIR DOOR TO BE CONTROLLED BY THE MANUFACTURERS CONCEALED MAGNETIC DOOR SWITCH, FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR AND COORDINATED WITH THE GENERAL CONTRACTOR FOR WIRE PATHWAY IN DOOR FRAME. THIS CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF AD-1 WITH THE ARCHITECT AND THE MANUFACTURERS INSTALLATION REQUIREMENTS.
- 14 VALVE AND CAP 1"HEAT PUMP SUPPLY AND RETURN PIPING FOR FUTURE USE.
- 15 3/4" HEAT PUMP SUPPLY AND RETURN PIPING TO WATER SOURCE HEAT PUMP.

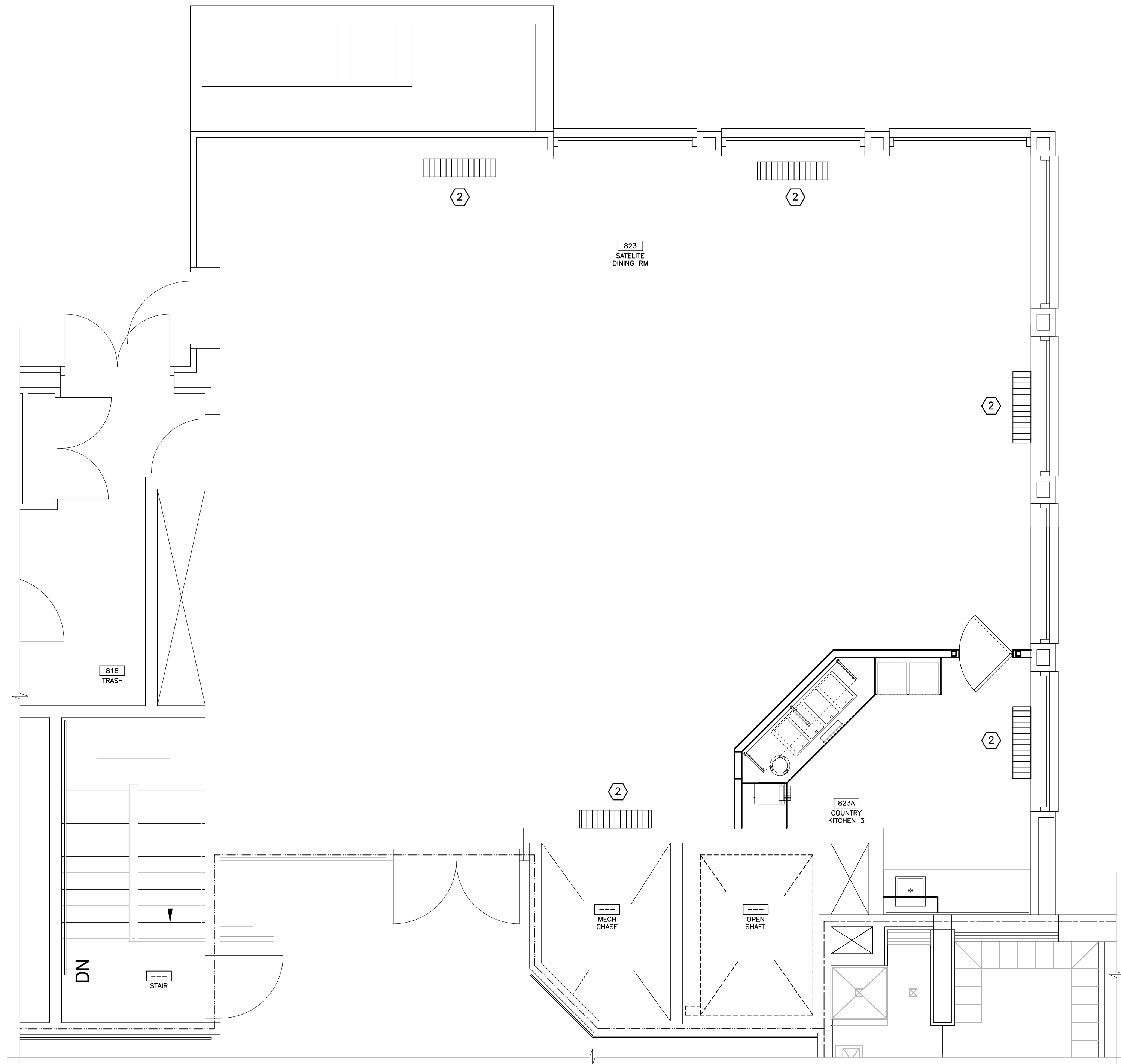


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BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT
MECHANICAL:
PARTIAL MAIN LEVEL KITCHEN EQUIPMENT AND PIPING PLAN

BID SET
M-4



DEDUCT ALTERNATE #3
PARTIAL MANI LEVEL A WING SATELITE SERVING AREA MECHANICAL PLAN

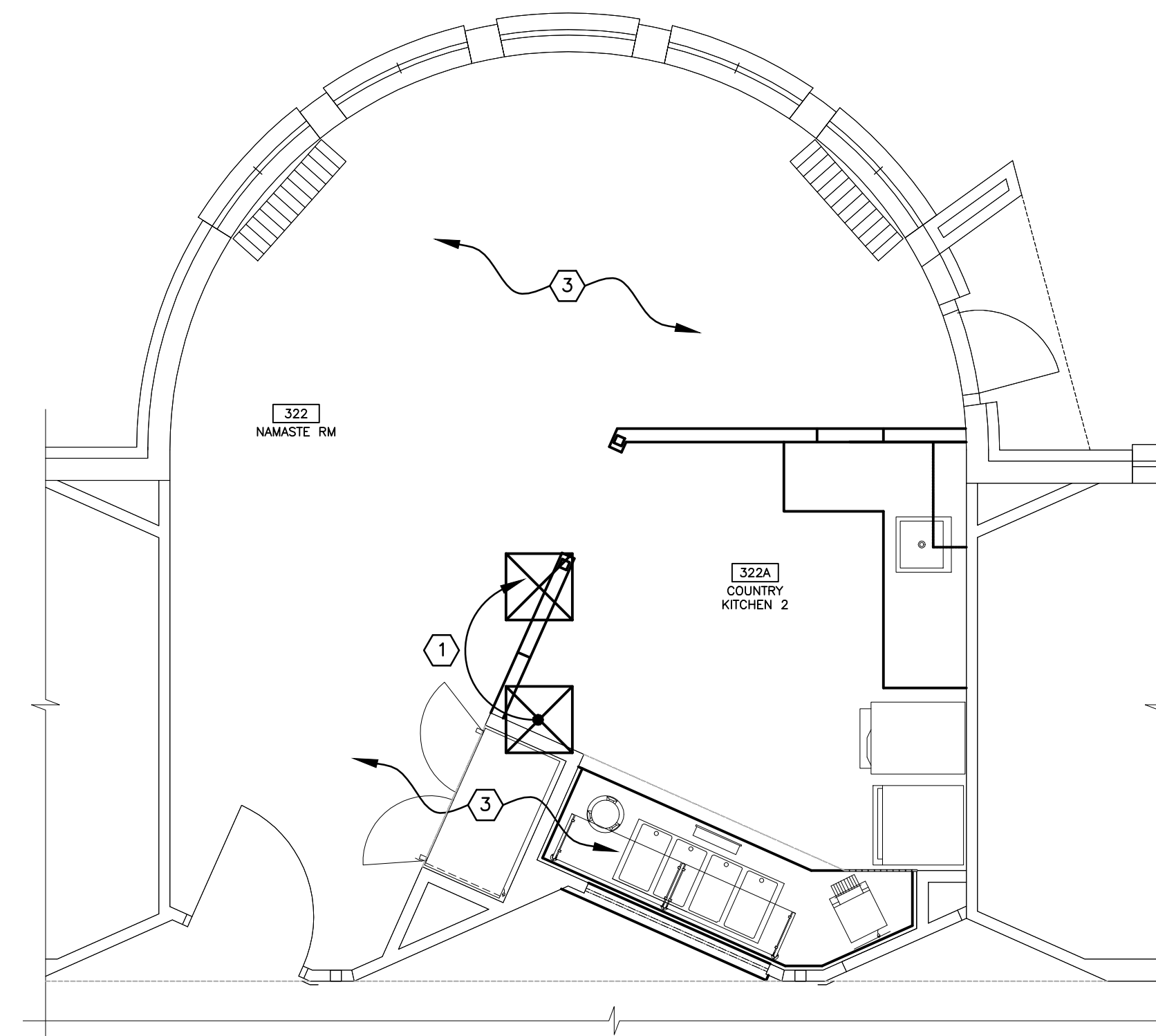
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. ALL PIPING TO AC UNITS SHALL BE BY THE MANUFACTURERS RECOMMENDATIONS, SIZES SHOWN FOR REFERENCE ONLY.
2. MAINTAIN ALL REQUIRED MAINTENANCE AND N.E.C. CODE REQUIRED CLEARANCES FOR CONTROL ENCLOSURES AND ELECTRICAL ACCESS SECTIONS OF EQUIPMENT. REFER TO THE DASHED LINES DEPICTED FOR EACH EQUIPMENT ON THIS PLAN.
3. PITCH ALL CONDENSATE PIPING A MINIMUM OF 1/8" PER FOOT TO TERMINATION POINT/MAINS.
4. THIS CONTRACTOR IS RESPONSIBLE FOR CORE-DRILLING. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING AND PATCHING OF BUILDING MATERIALS.

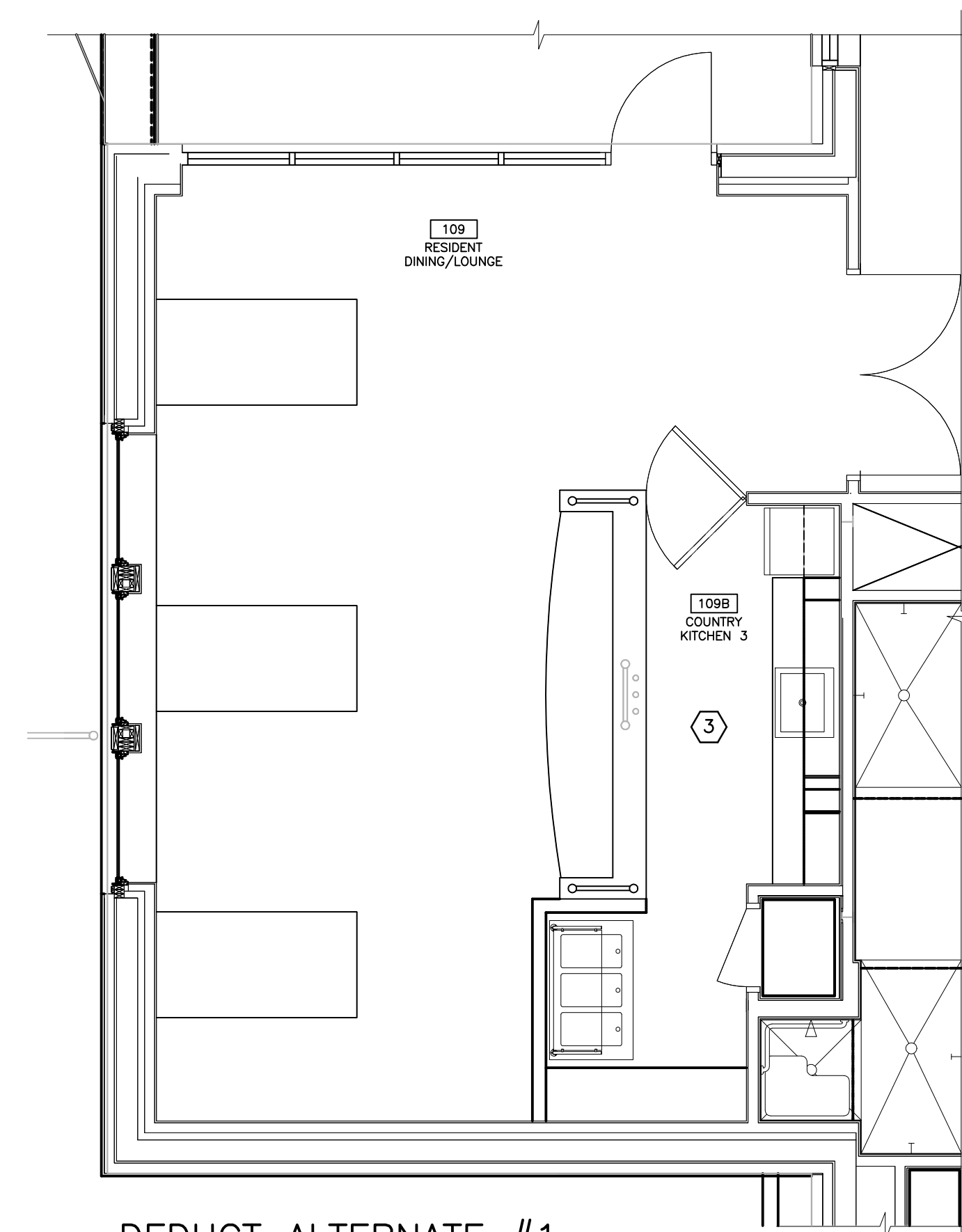
KEYED NOTES:

- 1 RELOCATE EXISTING AIR DEVICE TO ACCOMMODATE NEW COUNTRY KITCHEN SCOPE OF WORK AS DEPICTED.
- 2 EXISTING CONSOLE WATER SOURCE HEAT PUMP TO REMAIN.
- 3 EXISTING HVAC SYSTEMS IN THIS AREA TO REMAIN.



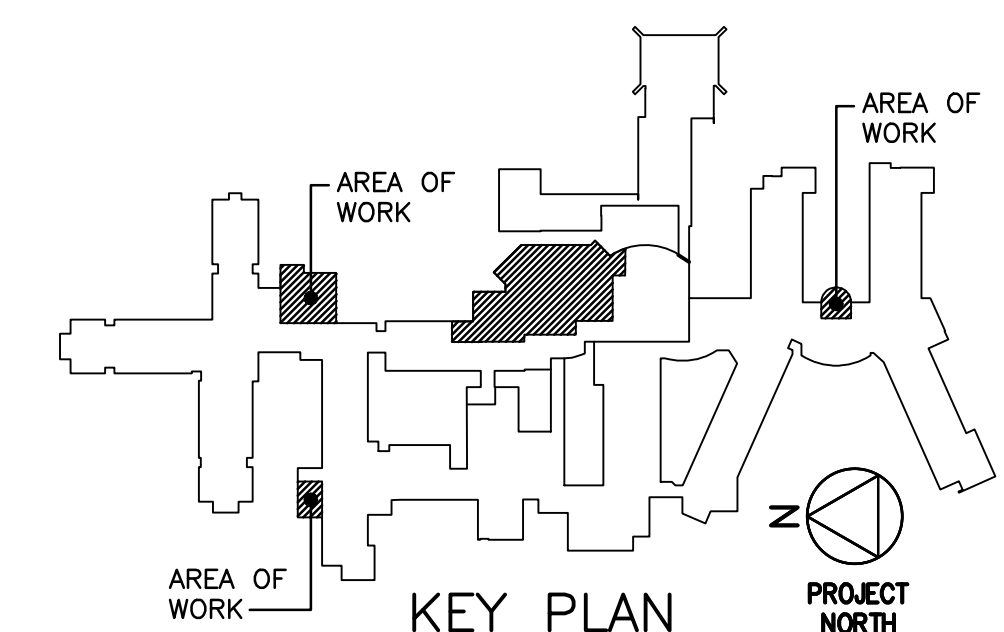
DEDUCT ALTERNATE #4
PARTIAL MAIN LEVEL B WING
SATELITE SERVING AREA MECHANICAL PLAN

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



DEDUCT ALTERNATE #1
PARTIAL MAIN LEVEL NORTH WING
SATELITE SERVING AREA MECHANICAL PLAN

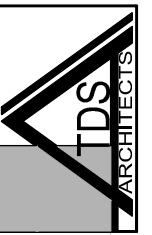
SCALE: 1/4" = 1'-0"



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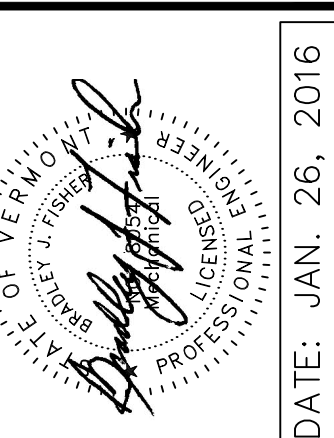
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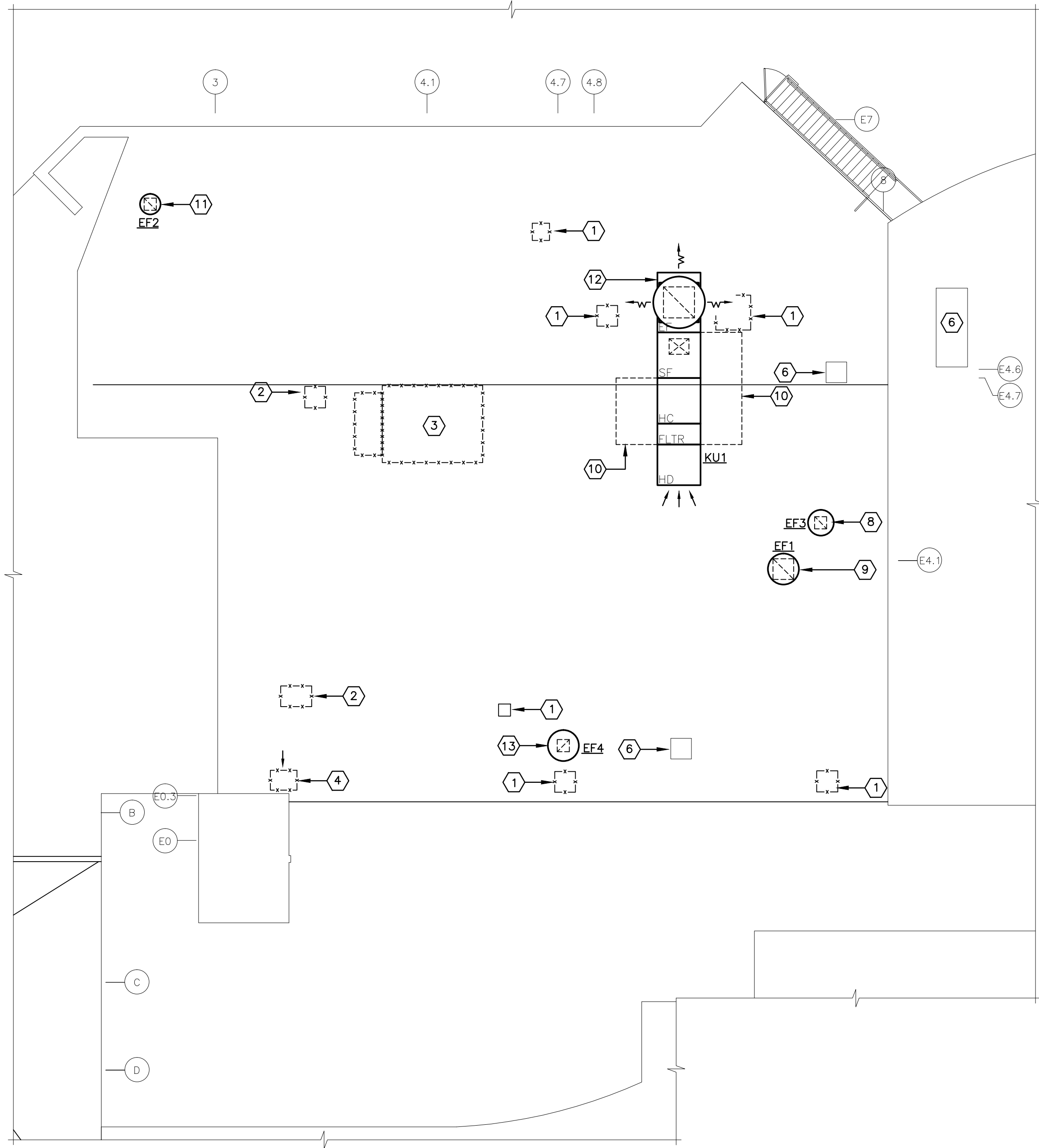
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 MECHANICAL:
 PARTIAL MAIN LEVEL SATELITE SERVING AREA MECHANICAL PLANS

BID SET

M-5



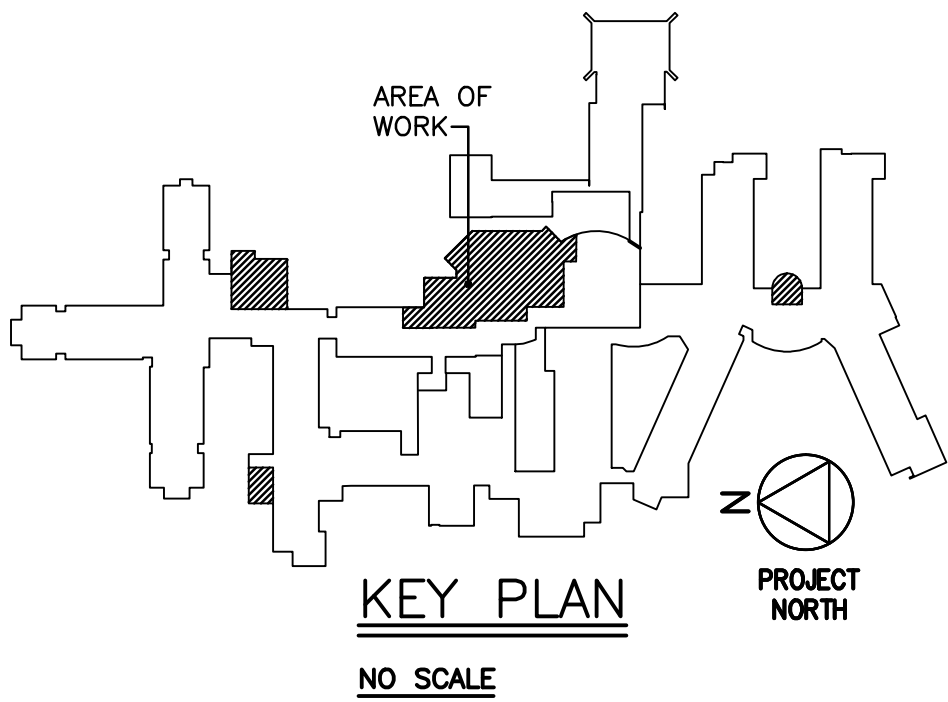
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PARTIAL ROOF FOOD SERVICE MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

- GENERAL NOTES:
1. INSTALL ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS.
 2. MAINTAIN EXISTING ROOF WARRANTY, OBTAIN WARRANTY INFORMATION FROM THE BUILDING OWNER AND ALTER/CONSTRUCT ALL NEW WORK PER THE ROOF WARRANTY MANUFACTURERS REQUIREMENTS.
 3. DEMOLITION WORK SHOWN FOR REFERENCE ONLY, DEMOLITION WORK WAS PERFORMED UNDER A SEPARATE CONTRACT AND THIS CONTRACTOR TO COORDINATE WITH THE ARCHITECTURAL DRAWINGS FOR THE DEMOLITION REQUIRED FOR ANY SYSTEMS STILL EXISTING.
 4. THIS CONTRACTOR IS RESPONSIBLE FOR CORE-DRILLING. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING AND PATCHING OF BUILDING MATERIALS.

- KEYED NOTES:
- 1 DEMOLISH EXHAUST FAN IN ITS ENTIRETY.
 - 2 DEMOLISH CONDENSER IN ITS ENTIRETY.
 - 3 DEMOLISH AIR HANDLING UNIT IN ITS ENTIRETY.
 - 4 DEMOLISH EXISTING GOOSENECK IN ITS ENTIRETY AND COORDINATE ROOF PATCHING WITH THE ARCHITECTURAL DRAWINGS.
 - 5 NOTE NOT USED
 - 6 EXISTING CONDENSER TO REMAIN.
 - 7 NOTE NOT USED
 - 8 DEMOLISH EXISTING EXHAUST FAN SERVING THE KITCHEN. MAINTAIN THE EXISTING ROOF PENETRATION AND CURB FOR RE-USE BY EF-3.
 - 9 DEMOLISH EXISTING EXHAUST FAN . MAINTAIN THE EXISTING ROOF PENETRATION AND CURB FOR RE-USE BY EF-1.
 - 10 MAINTAIN A MINIMUM OF 48" IN THESE AREAS FOR REQUIRED EQUIPMENT ACCESS.
 - 11 DEMOLISH EXISTING EXHAUST FAN SERVING THE CURRENT DISPOSAL ROOM. MAINTAIN THE EXISTING ROOF PENETRATION AND CURB FOR RE-USE BY EF-2.
 - 12 COORDINATE PLACEMENT OF KU-1 WITH THE GENERAL CONTRACTOR, ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT LOCATION. SUPPLY AND EXHAUST PENETRATIONS SHALL BE CENTERED IN BETWEEN THE OPEN WEB JOISTS BELOW.
 - 13 DEMOLISH EXISTING EXHAUST FAN IN ITS ENTIRETY. RE-USE EXISTING ROOF CURB AND PENETRATION FOR EF-4.



FFA #7712

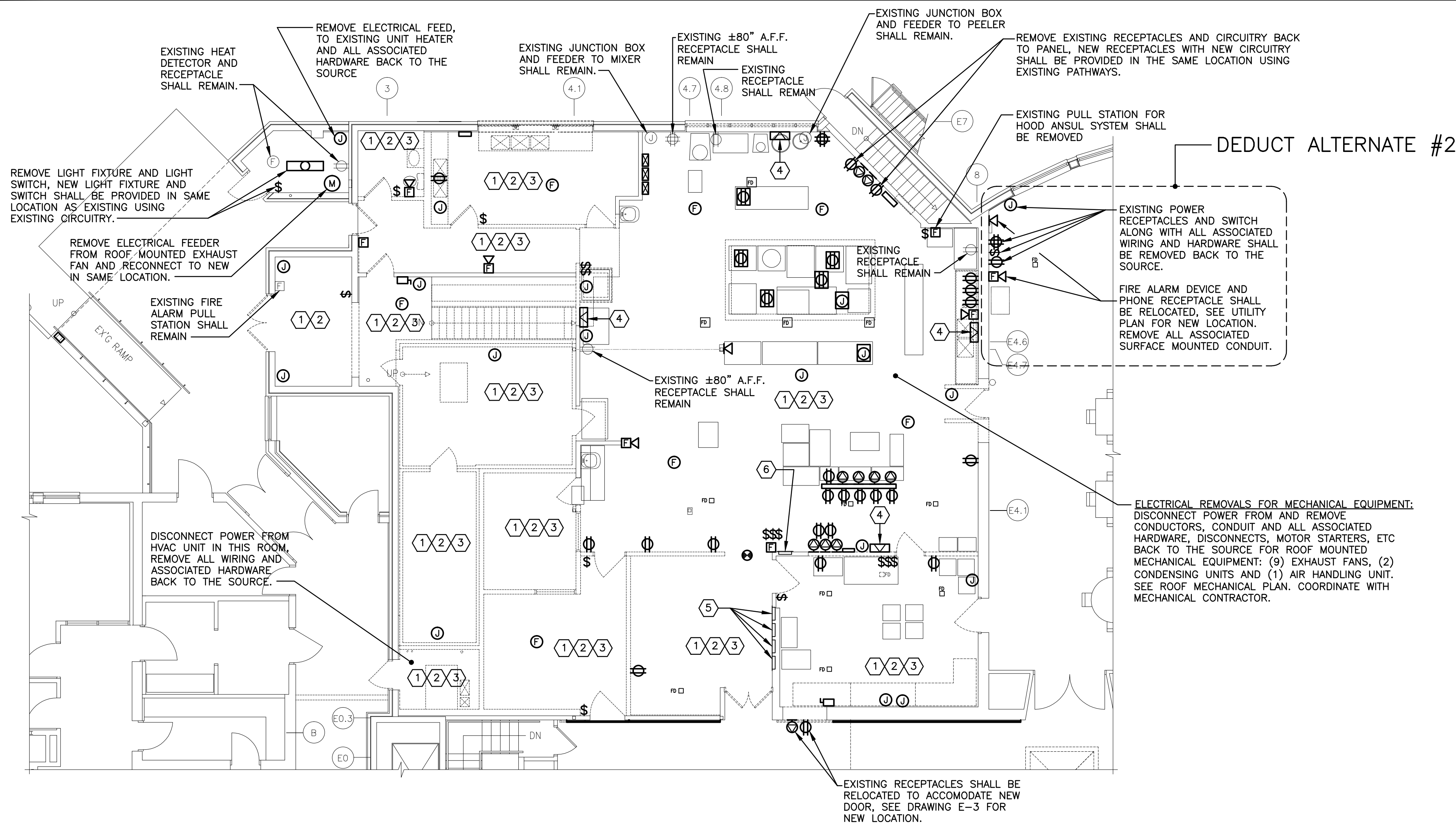
Professional Engineer Seal for Timothy D. Smith, State of Vermont, License No. 15858, dated Jan. 26, 2016.

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KITCHEN RENOVATION PROJECT
MECHANICAL:
PARTIAL ROOF MECHANICAL PLAN

BID SET
M-6



PARTIAL MAIN LEVEL KITCHEN DEMOLITION PLAN

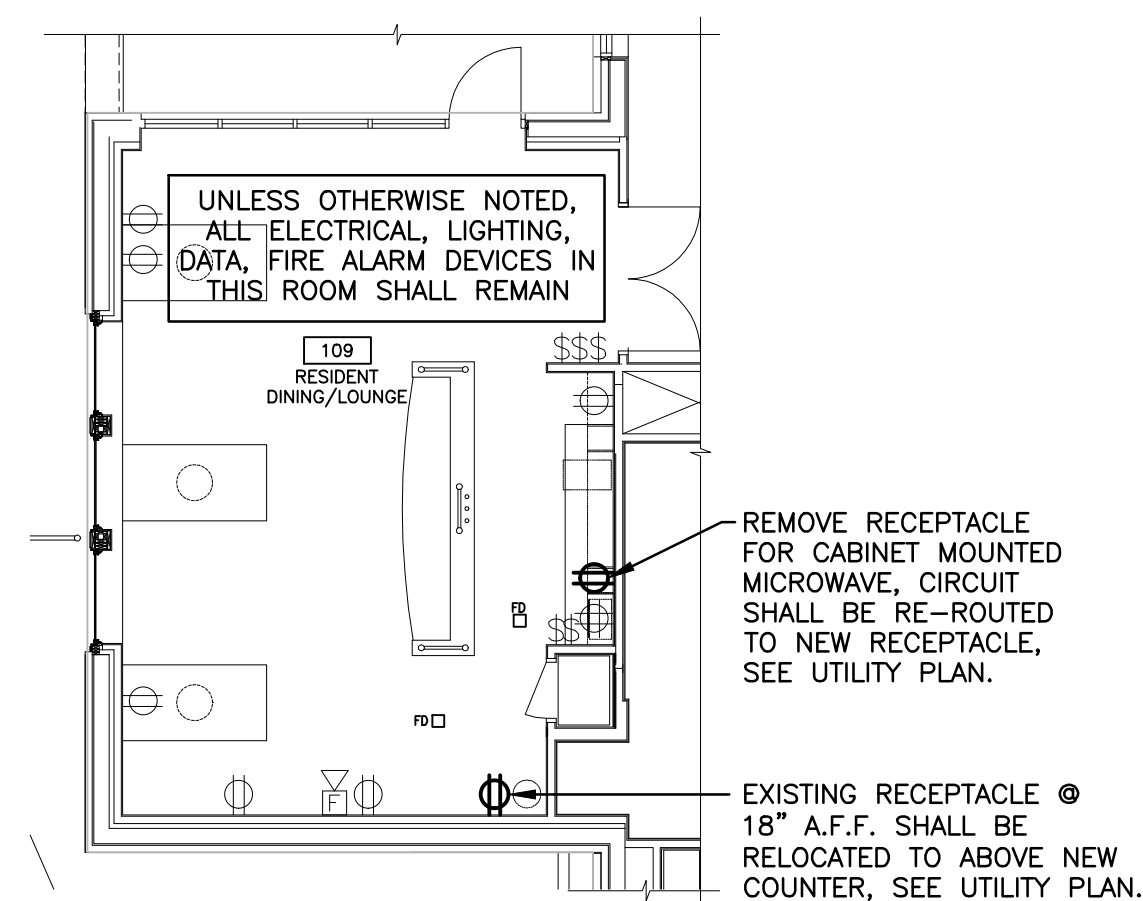
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. ALL EXISTING LIGHTING, SWITCHING, RECEPTACLES, ELECTRICAL, TELECOM, FIRE ALARM DEVICES SHALL REMAIN UNLESS OTHERWISE NOTED.
2. EXISTING FIRE ALARM SYSTEM SHALL REMAIN IN PLACE AND FULLY FUNCTIONAL THROUGHOUT DEMOLITION AND NEW CONSTRUCTION.
3. ELECTRICAL CONTRACTOR SHALL REMOVE BOX, WIRE AND ALL ASSOCIATED HARDWARE BACK TO THE SOURCE FOR ALL POWER, DATA, FIRE ALARM DEVICES THAT ARE TO BE REMOVED, UNLESS OTHERWISE NOTED.
4. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE PRIOR TO BID DATE AND VERIFYING THE EXACT EXTENT OF EXISTING CONDITIONS.
5. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL OF THEIR OWN CORE-DRILLS, GC SHALL CUT AND PATCH ALL BUILDING MATERIALS.

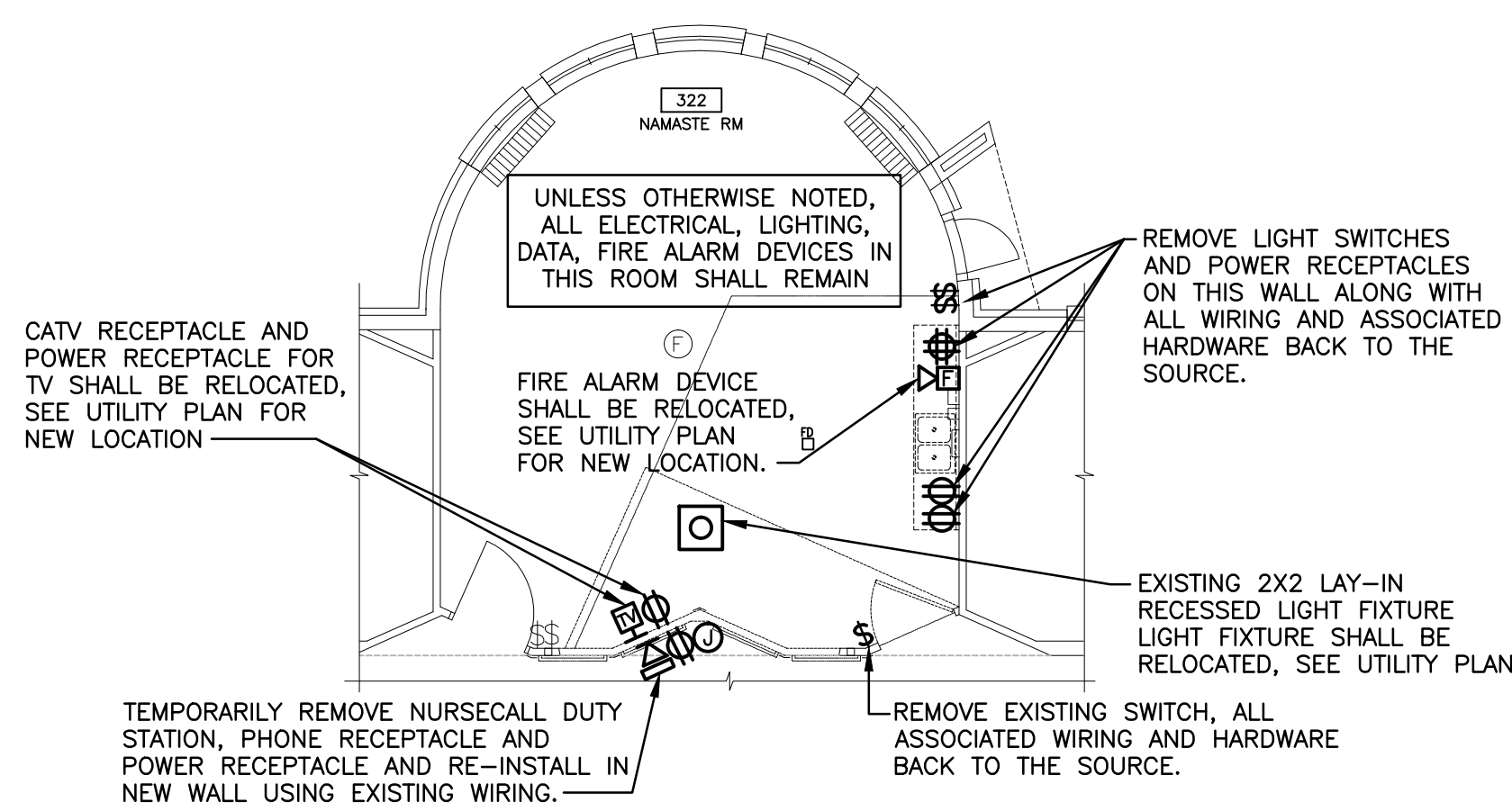
KEYED NOTES:

- 1 REMOVE EXISTING LIGHTS IN THIS ROOM AND CIRCUITRY TO A POINT AT EDGE OF DEMOLITION AREA FOR EXTENSION OF EXISTING CIRCUIT(S) TO NEW LIGHT FIXTURES AS SHOWN ON LIGHTING DRAWING.
- 2 UNLESS OTHERWISE NOTED, REMOVE ALL POWER, LIGHTING AND DATA DEVICES IN THIS ROOM COMPLETELY, INCLUDING ALL CIRCUITRY, SWITCHES, MECHANICAL EQUIPMENT FEEDERS, KITCHEN EQUIPMENT FEEDERS, HARDWARE BACK TO THE SOURCE WHETHER SHOWN ON THIS DRAWING OR NOT. CUT OFF ALL FLOOR PENETRATING CONDUITS BELOW FLOOR STRUCTURE, GC SHALL PATCH HOLES. MAINTAIN CONTINUITY OF CIRCUITRY TO OTHER DEVICES OUTSIDE THIS ROOM NOT BEING DEMOLISHED. SEE MECHANICAL DEMOLITION PLANS FOR EXTENT OF MECHANICAL EQUIPMENT REMOVALS.
- 3 REMOVE ALL SMOKE AND HEAT DETECTORS IN THIS ROOM COMPLETELY. FIRE ALARM HORNS, HORN/STROBES AND PULL STATIONS SHALL BE REMOVED TEMPORARILY AND RE-USED IN NEW LOCATIONS AS INDICATED ON UTILITY PLAN.
- 4 WALL MOUNTED SPEAKERS SHALL BE REMOVED, RE-USE EXISTING WIRING TO POWER NEW SPEAKERS IN CEILING, SEE UTILITY PLAN.
- 5 EXISTING ELECTRICAL PANEL RECESSED BACKBOX SHALL REMAIN, ALL INTERIOR BUSSING, BREAKERS, ASSOCIATED HARDWARE AND COVERPLATE SHALL BE REPLACED, EXISTING LOADS TO REMAIN SHALL BE RECONNECTED, NEW LOADS FED AS SHOWN, AND NEW PANEL SCHEDULES SHALL BE PROVIDED. SEE PANEL SCHEDULES AND DETAIL DRAWING E-7 FOR FURTHER DETAILS.
- 6 EXISTING ELECTRICAL PANEL SHALL BE REMOVED ENTIRELY ALONG WITH MAIN FEEDER AND ALL LOADS WITH THE EXCEPTION OF "LARGE MIXER" WHICH SHALL BE RE-ROUTED TO NEW PANEL. SEE DRAWING E-7 FOR FURTHER DETAILS.



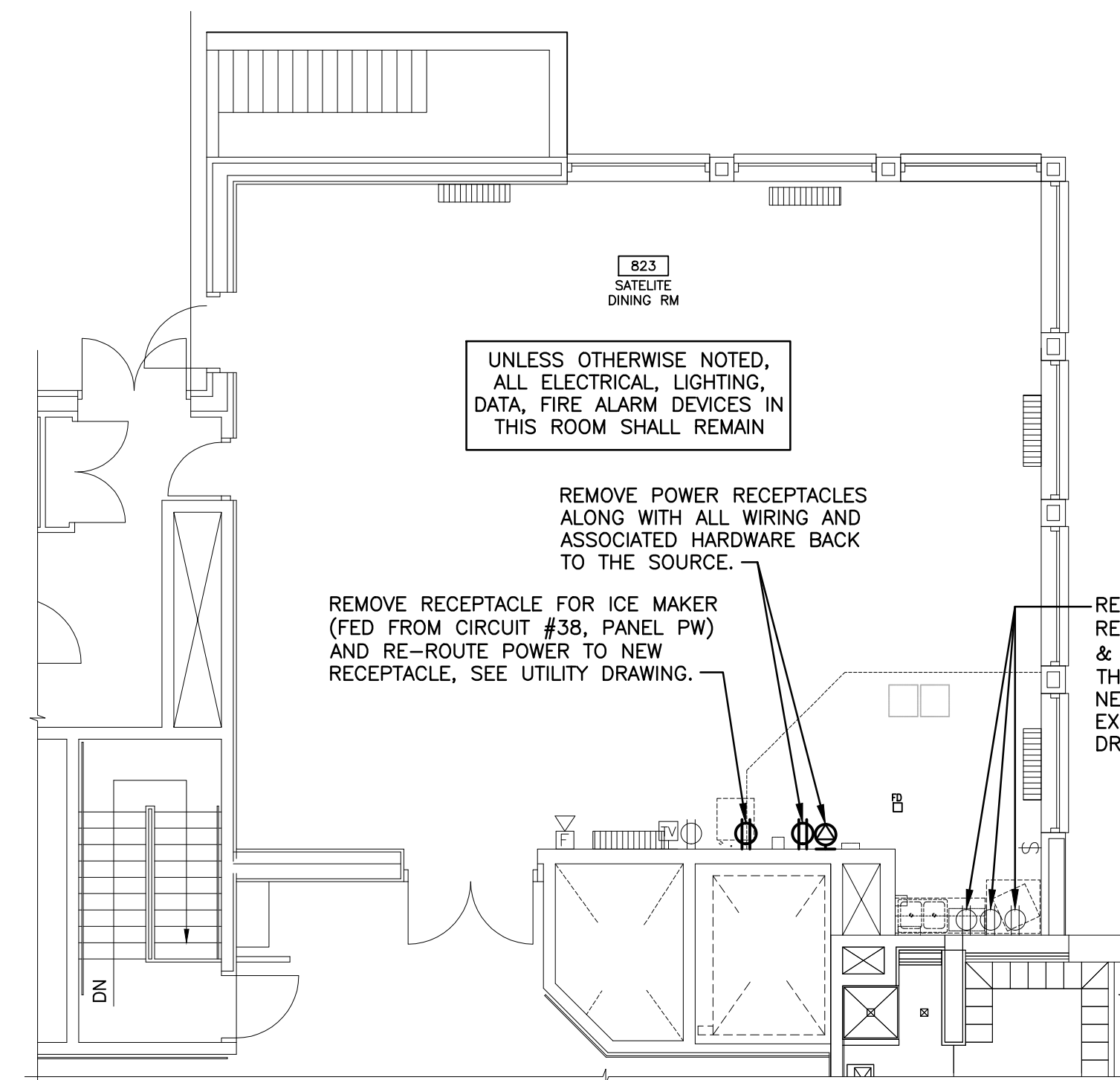
**DEDUCT ALTERNATE #1
NORTH VILLAGE SATELLITE
SERVING AREA DEMOLITION PLAN**

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



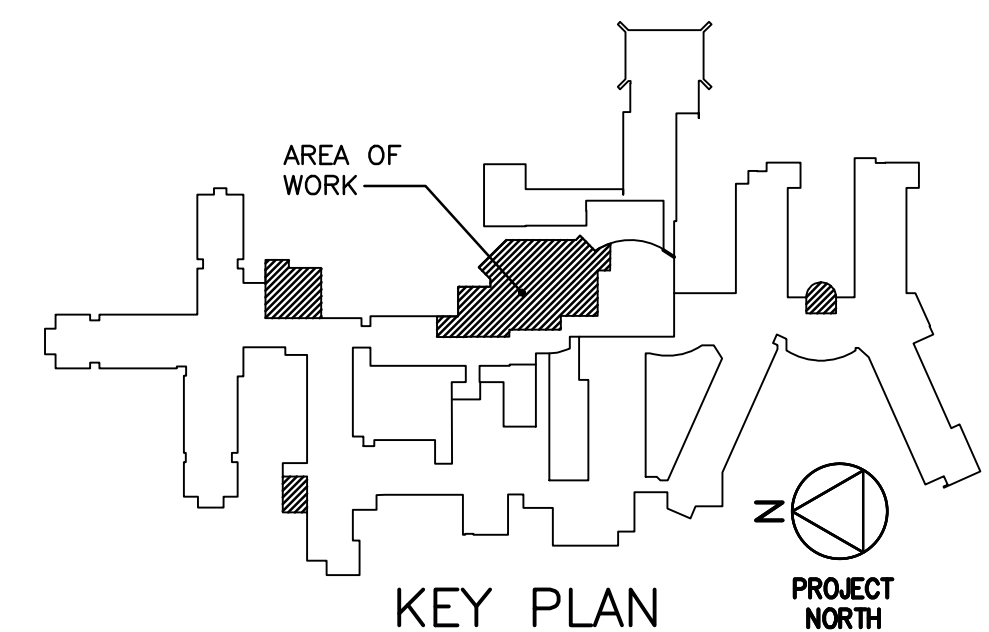
**DEDUCT ALTERNATE #4
BRANDON BOULEVARD SATELLITE
SERVING AREA DEMOLITION PLAN**

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



**DEDUCT ALTERNATE #3
AMERICAN DINING ROOM DEMOLITION PLAN**

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



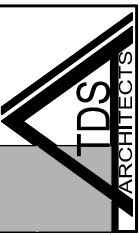
KEY PLAN

NO SCALE

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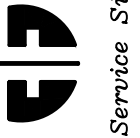
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ELECTRICAL:
PARTIAL MAIN LEVEL KITCHEN DEMOLITION PLAN

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ED-1

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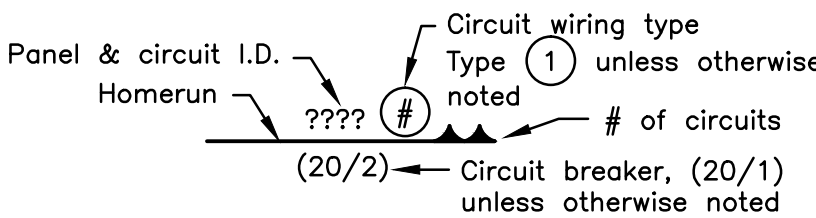


DATE: JAN. 26, 2016

ELECTRICAL SYMBOLS LIST

WIRING

Feeder or branch circuits
Above ceiling or exposed
Underfloor, underground or in wall



LIGHTING

Fluorescent or LED
Fluorescent or LED (on emergency circuit)
Fluorescent, Incandescent, or LED
Exit
Emergency

PANELBOARDS (PLAN VIEW)
(120/208) VOLT

LOCAL SWITCHES

Single pole
Threeway
Fourway
Dimmer
Motor overload
Occupancy Sensor

OUTLETS

Convenience outlets
1"-6" mounting height
Special mounting height
Ceiling mounted outlet
Quad outlet, 1"-6" mounting height
Special purpose (see specification)
Telephone/Data
Nurse call
Television outlet

JUNCTION BOXES

Power
Data
Other
Door holder
Card reader

SOUND SYSTEM

Loudspeaker

FIRE ALARM SYSTEM

Audible visible signal
Visible signal
Detector
Manual station
Magnetic door holder
Smoke duct detector

EQUIPMENT

Motor
Disconnect switch
Motor starter
Combination motor starter

ONE-LINE DIAGRAMS

Circuit breaker
Trip / # of poles
Frame size

PANELBOARD

SUBSCRIPTS

Electric Water Cooler
Ground Fault Interrupting
Weatherproof
Clock
Mounted horizontally in Baseboard
Mounted horizontally 6" Above Counter
Existing to remain

ELECTRICAL ABBREVIATIONS

Breaker
Circuit
Conduit
Galvanized rigid steel conduit
Ground
Pair
Shielded
Twisted
Transformer

GENERAL ABBREVIATIONS

Above Finished Floor
Ceiling
Diameter
Down
Drawing
Elevation
Existing
Feet
Floor
Flow Switch
Horsepower
Manufacturer
Maximum
Minimum
Mounted
Not Applicable
Not In Contract
Number
On Center
Typical
Normally Open
Normally Closed



DEDUCT ALTERNATE #4

LIGHTING FIXTURE SCHEDULE

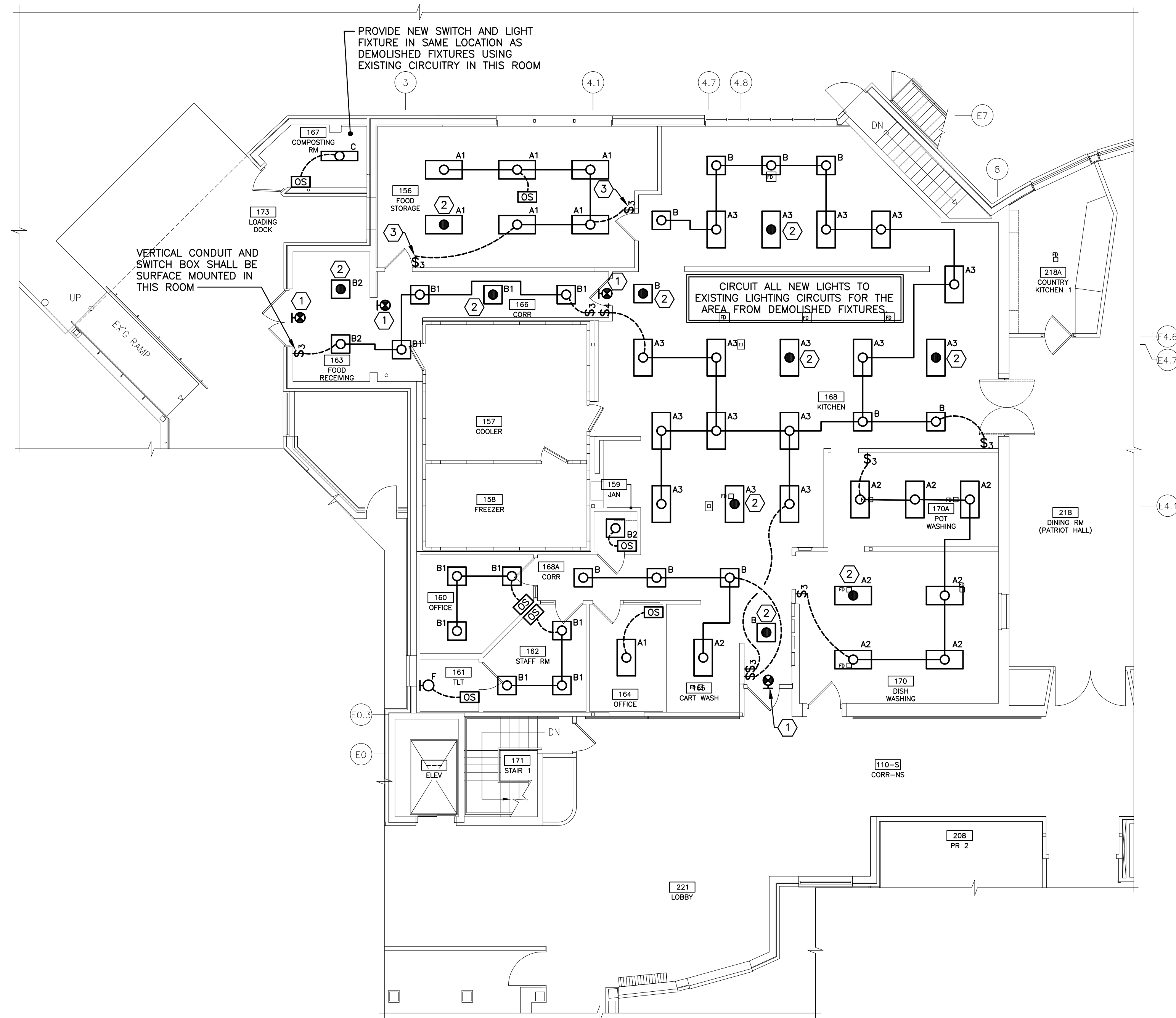
LABEL	TYPE	DESCRIPTION	LAMPS	VOLTS	BALLAST	MOUNT	MANUFACTURER
A	LED	2'X4' RECESSED LENSED 3000 LUMEN LED TROFFER WITH .125" THICK, #12 ACRYLIC LENS MOUNTED IN LAY-IN CEILING GRID, 3500K COLOR TEMPERATURE, DESIGN LIGHTS CONSORTIUM (DLC) LISTED.	32 WATT 3000 LUMEN 3500K LED	120V	-	RECESSED IN ACT CEILING	LITHONIA '2GTL' SERIES OR APPROVED EQUAL FIXTURE MUST BE DLC LISTED
A1	LED	2'X4' RECESSED LENSED 4000 LUMEN LED TROFFER WITH .125" THICK, #12 ACRYLC LENS MOUNTED IN LAY-IN CEILING GRID, 3500K COLOR TEMPERATURE, DESIGN LIGHTS CONSORTIUM (DLC) LISTED.	39 WATT 4000 LUMEN 3500K LED	120V	-	RECESSED IN ACT CEILING	LITHONIA '2GTL' SERIES OR APPROVED EQUAL FIXTURE MUST BE DLC LISTED
A2	LED	2'X4' RECESSED LENSED 4000 LUMEN LED TROFFER WITH ALUMINUM DOOR, .125" THICK #12 ACRYLIC LENS GASKETED FOR WET LOCATION MOUNTED IN GYP BD CEILING, 3500K COLOR TEMPERATURE, DESIGN LIGHTS CONSORTIUM (DLC) LISTED.	39 WATT 4000 LUMEN 3500K LED	120V	-	RECESSED IN GYP BD CEILING	LITHONIA '2GTL' SERIES OR APPROVED EQUAL FIXTURE MUST BE DLC LISTED
A3	LED	2'X4' RECESSED LENSED 4000 LUMEN LED TROFFER WITH ALUMINUM DOOR, .125" THICK #12 ACRYLIC LENS GASKETED FOR WET LOCATION MOUNTED IN LAY-IN CEILING GRID, 3500K COLOR TEMPERATURE, DESIGN LIGHTS CONSORTIUM (DLC) LISTED.	39 WATT 4000 LUMEN 3500K LED	120V	-	RECESSED IN ACT CEILING	LITHONIA '2GTL' SERIES OR APPROVED EQUAL FIXTURE MUST BE DLC LISTED
B	LED	2'X2' RECESSED LENSED 3300 LUMEN LED TROFFER WITH ALUMINUM DOOR, .125" THICK #12 ACRYLIC LENS GASKETED FOR WET LOCATION MOUNTED IN LAY-IN CEILING GRID, 3500K COLOR TEMPERATURE, DESIGN LIGHTS CONSORTIUM (DLC) LISTED.	29 WATT 3300 LUMEN 3500K LED	120V	-	RECESSED IN ACT CEILING	LITHONIA '2GTL' SERIES OR APPROVED EQUAL FIXTURE MUST BE DLC LISTED
B1	LED	2'X2' RECESSED LENSED 3300 LUMEN LED TROFFER WITH .125" THICK #12 ACRYLIC LENS MOUNTED IN LAY-IN CEILING GRID, 3500K COLOR TEMPERATURE, DESIGN LIGHTS CONSORTIUM (DLC) LISTED.	29 WATT 3300 LUMEN 3500K LED	120V	-	RECESSED IN ACT CEILING	LITHONIA '2GTL' SERIES OR APPROVED EQUAL FIXTURE MUST BE DLC LISTED
B2	LED	2'X2' RECESSED LENSED 3300 LUMEN LED TROFFER WITH .125" THICK #12 ACRYLIC LENS MOUNTED IN GYP SUM BOARD CEILING, 3500K COLOR TEMPERATURE, DESIGN LIGHTS CONSORTIUM (DLC) LISTED.	29 WATT 3300 LUMEN 3500K LED	120V	-	RECESSED IN GYP BD CEILING	LITHONIA '2GTL' SERIES OR APPROVED EQUAL FIXTURE MUST BE DLC LISTED
C	LED	4' CHAIN HUNG LED STRIP LIGHT WITH LENS, 5000 LUMENS, 3500K COLOR TEMPERATURE, DESIGN LIGHTS CONSORTIUM (DLC) LISTED.	42 WATT 5000 LUMEN 3500K LED	120V	-	CHAIN HUNG	LITHONIA 'ZL1N' SERIES OR APPROVED EQUAL FIXTURE MUST BE DLC LISTED
D	LED	6" LED DOWNLIGHT RATED FOR 1500 LUMENS AT 26 WATTS, MATTE WHITE REFLECTOR, 3500K COLOR TEMPERATURE, ENERGY STAR LISTED.	26 WATT 1500 LUMEN 3500K LED	120V	-	RECESSED	LITHONIA 'LDN6' SERIES OR APPROVED EQUAL FIXTURE MUST ENERGY STAR LISTED.
F	LED	2' SURFACE MOUNTED LED WALL BRACKET WITH CURVED LENS, 2200 LUMENS, 3500K COLOR TEMPERATURE, DESIGN LIGHTS CONSORTIUM (DLC) LISTED.	21 WATT 2200 LUMEN 3500K LED	120V	-	SURFACE (WALL)	LITHONIA 'WL2' SERIES OR APPROVED EQUAL FIXTURE MUST BE DLC LISTED
	LED	EMERGENCY EXIT SIGN; PRECISION MOLDED THERMOPLASTIC HOUSING, IMPACT AND SCRATCH RESISTANT, CORROSION PROOF, UV STABILIZED, RED LETTERS. NUMBER OF FACES AND ARROWS AS SHOWN ON PLANS.	LED	120V	--	CEILING OR WALL	LITHONIA 'LQM' SERIES OR APPROVED EQUAL

NOTES:

1. PROVIDE FIXTURE WHIPS FOR ALL FIXTURES REQUIRING THEM.
2. PROVIDE LAMPING FOR ALL FIXTURES.
3. LAMP DESIGNATIONS ARE GE; EQUIVALENTS BY SYLVANIA, PHILLIPS OR VENTURE ARE ACCEPTABLE.
4. LIGHTING FIXTURE FINISHES SHALL BE VERIFIED BY ARCHITECT PRIOR TO ORDERING FIXTURES.
5. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS, UNLESS NOTED OTHERWISE.
6. CONTRACTOR SHALL VERIFY CEILING TYPES FOR FIXTURES PRIOR TO ORDERING FIXTURES.
7. PROVIDE LUMINAIRE DISCONNECTS FOR ALL INTERIOR FLUORESCENT TYPE FIXTURES, T&B STA-KON, IDEAL POWERPLUG, WAGO LUMI-NUTS.
8. CONTRACTOR SHALL PROVIDE DIMMING BALLASTS FOR FIXTURES AS INDICATED ON DRAWINGS.

CIRCUIT WIRING TABLE

TYPE	WIRES		CONDUIT SIZE	TYPE	WIRES		CONDUIT SIZE
	NO.	SIZE			NO.	SIZE	
①	2	12		22	4	6	
	1	12G	.75		1	6G	1.25
②	3	12		23	3	4	
	1	12G	.75		1	8G	1.25
③	4	12		24	.	.	
	1	12G	.75		.	.	.
④	2	12		25	2	2	
	1	10N			1	2G	1.25
	1	12G	.75	26	3	2	
⑤	3	12			1	2G	1.25
	1	10N		27	4	2	
	1	12G	.75		1	2G	1.25
⑥	6	12		28	4	2	
	1	12G	.75		1	6G	1.25
⑦	6	12		29	3	1/0	
	1	12G	.75		1	6G	2.0
⑧	.	.		30	4	1/0	
	.	.	.		1	6G	2.0
⑨	2	10		31	3	2/0	
	1	10G	.75		1	6G	2.0
⑩	3	10		32	4	2/0	
	1	10G	.75		1	6G	2.0
⑪	4	10		33	4	2/0	
	1	10G	.75		1	4G	2.0
⑫	6	10		34	3	4/0	
	1	10G	.75		1	4G	2.5
⑬	7	10		35	4	4/0	
	1	10G	.75		1	4G	2.5
⑭	8	10		36	4	4/0	
	1	10G	.75		1	4G	2.5
⑮	2	8		37	4	4/0	
	1	8G	1.0		1	2G	2.5
⑯	3	8		38	3	250	
	1	10G	1.0		1	4G	2.5
⑰	4	8		39	4	250	
	1	8G	1.0		1	4G	3.0
⑱	.	.		40	4	250	
	.	.	.		1	2G	3.0
⑲	2	6		41	4	500	
	1	6G	1.0		1	3G	4.0
⑳	3	6		42	4	500	
	1	8G	1.0		1	1/0G	4.0
㉑	4	6		43	8	500	
	1	6G	1.25		2	1/0G	2-4.0



PARTIAL MAIN LEVEL KITCHEN LIGHTING PLAN

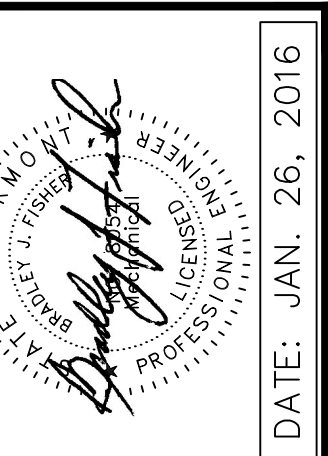
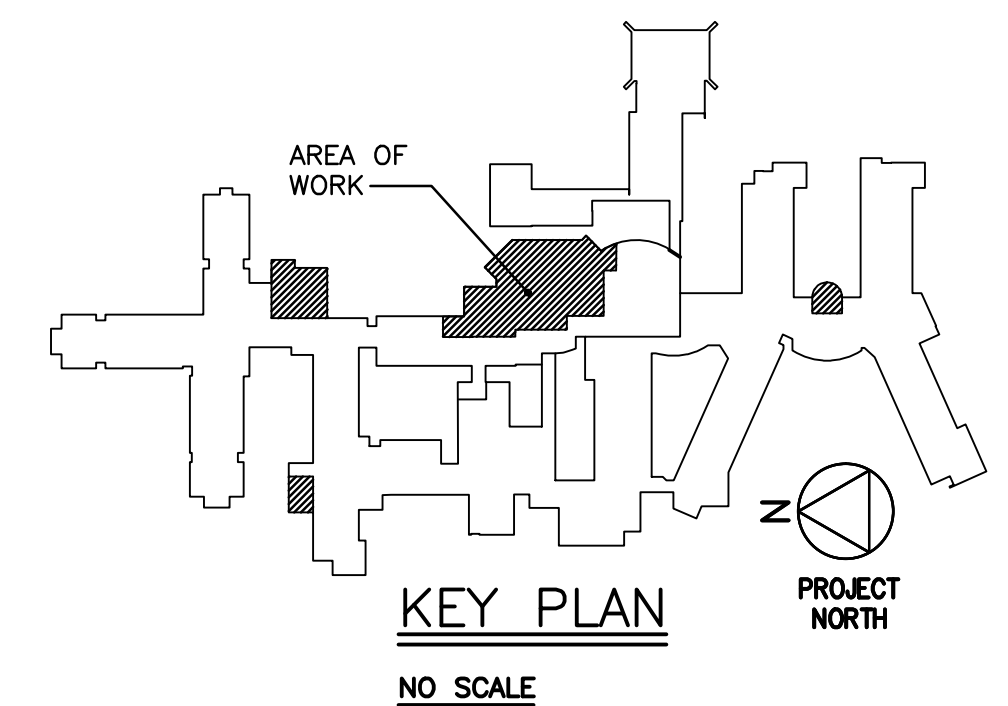
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. CONTRACTOR SHALL SIZE CONDUIT AND CONDUCTORS FOR VOLTAGE DROP PER THE CURRENT ADOPTED VERSION OF THE NEC BASED ON LINEAR CONDUIT RUN.
2. ELECTRICAL CONTRACTOR SHALL COORDINATE MECHANICAL EQUIPMENT ELECTRICAL REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO PLACEMENT OF ORDER OF ALL MECHANICAL EQUIPMENT.
3. ALL LIGHTING FIXTURES SHOWN WITH A SHADED CONNECTION DOT SHALL BE NIGHT-LIGHT/EMERGENCY LIGHT FIXTURES. CIRCUIT UNSWITCHED TO EXISTING EMERGENCY LIGHT CIRCUIT IN PANEL EP1.
4. UNLESS OTHERWISE NOTED, ALL NEW OR RELOCATED ELECTRICAL DEVICES SHOWN ON WALLS SHALL BE RECESSED WITHIN THE WALL AND CIRCUITRY SHALL BE CONCEALED WITHIN THE WALLS OR ABOVE CEILINGS. EXISTING WALLS/CEILINGS SHALL BE CUT AND PATCHED AS NEEDED.
5. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL OF THEIR OWN CORE-DRILLS, GC SHALL CUT AND PATCH ALL BUILDING MATERIALS.

KEYED NOTES:

1. CIRCUIT ALL EXIT SIGNS TO EXISTING EXIT SIGN CIRCUIT FOR THE KITCHEN AREA IN PANEL EP1.
2. ALL LIGHTING FIXTURES SHOWN WITH A SHADED CONNECTION DOT SHALL BE NIGHT-LIGHT/EMERGENCY LIGHT FIXTURES. CIRCUIT UNSWITCHED TO EXISTING EMERGENCY LIGHT CIRCUIT FOR THE KITCHEN AREA IN PANEL EP1.
3. NEW LIGHT SWITCH IN EXISTING WALL, CUT AND PATCH AS NEEDED TO CONCEAL CIRCUITRY WITHIN WALL/CEILING.



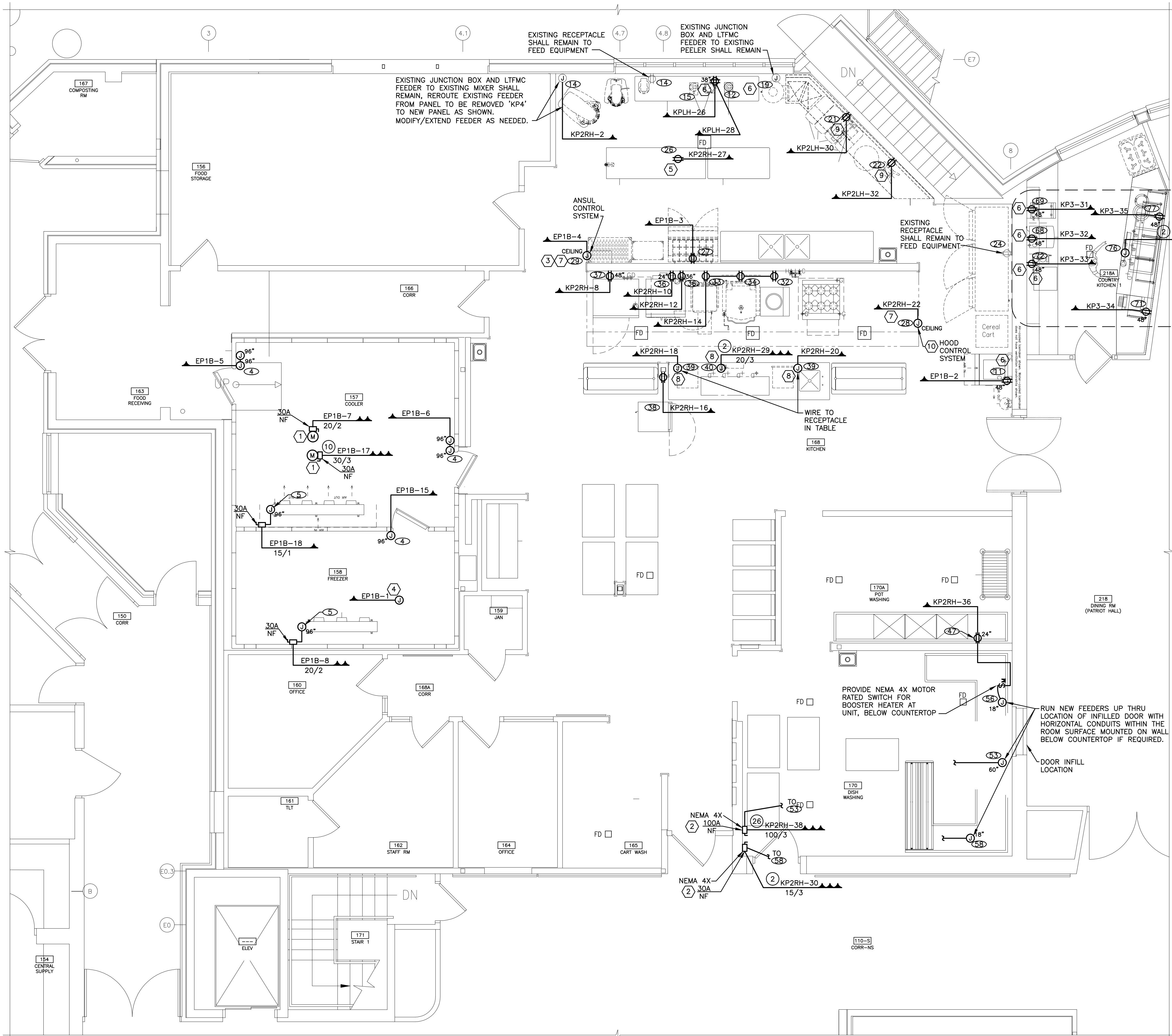
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#50-012
VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT
ELECTRICAL:
PARTIAL MAIN LEVEL KITCHEN LIGHTING PLAN

BID SET

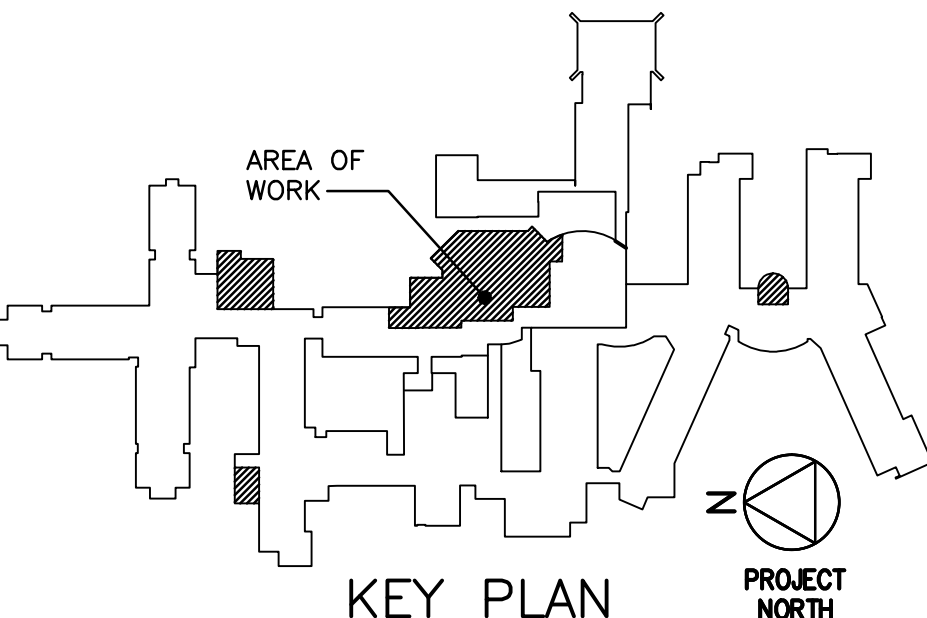
E-2



DEDUCT ALTERNATE #2
ALL NEW CIRCUITS SHOWN FOR COUNTRY KITCHEN 1 ARE FINAL CIRCUIT LOCATION. LOADS SHALL BE SERVED TEMPORARILY FROM 'KITCHEN TRAY LINE PANEL' IN BASEMENT, THEN MOVED/EXTENDED TO FINAL CIRCUITS SHOWN ONCE PANEL 'KP3' INTERIOR IS REPLACED. SEE DRAWING E-6. MINIMIZE OUTAGE TO COUNTRY KITCHEN 1 UPON SWITCHOVER AND COORDINATE WITH OWNER.

- KITCHEN EQUIPMENT GENERAL NOTES:**
- ALL DUPLEX AND SINGLE RECEPTACLES ON A DEDICATED CIRCUIT SHALL BE RATED FOR 20A.
 - ALL POWER RECEPTACLES SHOWN ON THIS DRAWING SHALL BE NEMA 5-20R AND HAVE GFI PROTECTION UNLESS NOTED OTHERWISE. IF A NON-GFI RECEPTACLE IS PROTECTED BY BEING FED FROM A GFI RECEPTACLE, LABEL AS "GFI PROTECTED RECEPTACLE".
 - NUMBERS IN ELLIPSE (4) REFERENCE ITEMS ON THE FOOD SERVICE EQUIPMENT SCHEDULE ON FETECH DRAWINGS.
 - FOR ALL JUNCTION BOXES SHOWN, PROVIDE BRANCH TERMINAL CONNECTION BETWEEN JUNCTION BOX AND ASSOCIATED EQUIPMENT USING LIQUID TIGHT CONDUIT AND MOISTURE SEALING ALL CONNECTIONS.
 - COORDINATE EXACT LOCATIONS OF ALL OUTLETS AND ALL CONNECTION REQUIREMENTS WITH FINAL SUBMITTED FETECH FOOD-SERVICE ROUGHING PLAN. NOTIFY ENGINEER OF ANY DISCREPANCY.
 - REFER TO 1/8" SCALE FLOOR PLANS FOR ADDITIONAL DEVICES (INCLUDING FIRE ALARM DEVICES).
 - ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL OF THEIR OWN CORE-DRILLS, GC SHALL CUT AND PATCH ALL BUILDING MATERIALS.

- KITCHEN EQUIPMENT KEYED NOTES:**
- REFER TO ARCHITECTURAL/MECHANICAL DRAWINGS FOR LOCATIONS OF REMOTE CONDENSING UNITS FOR FREEZER AND COOLER IN BASEMENT.
 - COORDINATE EXACT LOCATION OF DISCONNECT SWITCHES FOR DISHWASHER AND SCRAP COLLECTOR WITH ARCHITECT/KITCHEN DESIGNER, WHILE KEEPING THEM WITHIN SITE OF THE EQUIPMENT. CONDUITS TO DISCONNECTS SHALL BE CONCEALED WITHIN WALL.
 - PROVIDE FIRE ALARM MONITOR MODULE AND CONNECTION AS REQUIRED SO FIRE ALARM SYSTEM MONITORS HOOD FIRE PROTECTION SYSTEM (28). PROVIDE PATHWAY FOR CONTROL WIRE CONNECTION TO GAS SOLENOID TO CLOSE THE VALVE UPON ACTIVATION OF THE ANSUL SYSTEM.
 - 120V FREEZER DRAIN LINE HEAT TAPE CONNECTION TO CONTROLLER. COORDINATE WITH PLUMBING CONTRACTOR.
 - PROVIDE 18" H x 5" W x 2.5" D 1-GANG POWER PEDESTAL OUTLET BOX WITH INTEGRAL BASE, PEDOC POWER SOLUTIONS #1P18-C-HZ OR APPROVED EQUAL, POLISHED STAINLESS STEEL FINISH. COORDINATE WITH ARCHITECT IN FIELD FOR EXACT LOCATION OF PEDESTAL AND NEW FLOOR PENETRATION.
 - NEW RECEPTACLE OR POWER FEED SHALL BE RECESSED WITHIN EXISTING WALL, CUT AND PATCH AS NEEDED TO PROVIDE NEW FEEDER.
 - ROUTE 120V POWER FOR EXHAUST HOOD CONTROL SYSTEM FROM PANEL KP2RH CIRCUIT 22 THRU AN AUXILIARY CONTACT IN THE HOOD ANSUL SYSTEM CONTROL PANEL SUCH THAT WHEN THE ANSUL SYSTEM IS OPERATED, THE CONTACT WILL OPEN AND REMOVE POWER TO THE CONTROL SYSTEM. COORDINATE WITH KITCHEN EQUIPMENT MANUFACTURER, TEMPERATURE CONTROLS CONTRACTOR FOR REQUIRED ELECTRICAL CONNECTIONS.
 - POWER FEED SHALL COME DOWN CONCEALED IN COLUMN ENCLOSURE TO JUNCTION BOX 18" A.F.F.. PROVIDE LTFMC FEEDER FROM COLUMN TO DEVICE, SECURE TO UNDERSIDE OF TABLE.
 - PROVIDE NEW RECEPTACLE AND CIRCUIT IN LOCATION OF EXISTING RECEPTACLE REMOVED IN DEMOLITION, USE EXISTING PATHWAYS TO PROVIDE NEW CIRCUITRY.
 - HOOD EXHAUST/SUPPLY FAN KU1 SHALL BE WIRED THRU VFDS INTEGRAL TO HOOD SUCH THAT IT IS CONTROLLED VIA THE EXHAUST HOOD CONTROL SYSTEM, SEE DRAWING E-3. COORDINATE WITH KITCHEN EQUIPMENT MANUFACTURER, TEMPERATURE CONTROLS CONTRACTOR FOR REQUIRED ELECTRICAL CONNECTIONS.



PARTIAL MAIN LEVEL KITCHEN EQUIPMENT UTILITY PLAN
SCALE: 1/4" = 1'-0"

DATE: JAN. 26, 2016

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#50-012

**VERMONT VETERANS' HOME
BENNINGTON, VERMONT
KITCHEN RENOVATION PROJECT**

**ELECTRICAL:
PARTIAL MAIN LEVEL KITCHEN EQUIPMENT UTILITY PLAN**

BID SET

E-4

DATE: JAN. 26, 2016

EXISTING 'KP3' SCHEDULE:						208Y/120V 3ø 4W, RECESSED NEMA 1 225A MAIN LUG, 1-42 POS SECTION					
EXISTING PANEL SCHEDULE											
1	-	20/1	LTS HALLWAY OUTSIDE KITCHEN	1	2	-	20/1	LIGHTS ROOM 119	1		
3	-	20/1	LTS HALLWAY OUTSIDE KITCHEN	1	4	-	20/1	CAB HEATER KITCHEN HALLWAY	1		
5	-	20/1	LTS ROOMS 336/337/338	1	6	-	20/1	UNIT HTR & EX FAN TRASH RM	7		
7	-	20/1	ICE MACHINE 342	1	8	-	20/1	SPARE	4		
9	-	20/1	SPARE	4	10	-	20/1	LIGHTS RM 121	1		
11	-	20/1	LIGHTS OLD TRASH ROOM	1	12	-	20/1	ROOM 121 LIGHTS	1		
13	-	20/1	EX FANS 1FS, 2FS, 9FS	4	14	-	20/1	SPARE	4		
15	-	20/1	SPARE	4	16	-	20/1	LTS/EX FAN RMS 327/330/331	1		
17	-	20/1	LTS RM 116	1	18	-	20/1	LTS FOOD SVC LOADING DOCK	1		
19	-	20/1	EXHAUST FANS EF5/EF6	1	20	-	20/1	UNIT HTR/EX FANS RM 343	1		
21	-	20/1	SPARE	4	22	-	20/1	LTS RECNG/E-WING CLEAN/SOIL	1		
23	-	20/1	3 RECEPTS POT SINK S. WALL	1	24	-	20/1	LTS RECNG/E-WING CLEAN/SOIL	1		
25	-	20/3	A.H.V. 4-EW	4	26	-	20/3	HOOD EXHAUST FAN EF-3FS	4		
27	-			4	28	-			4		
29	-				30	-					
31	-	-/-	SPACE		32	-	-/-	SPACE			
33	-	-/-	SPACE		34	-	-/-	SPACE			
35	-	-/-	SPACE		36	-	-/-	SPACE			
37	-	-/-	SPACE		38	-	-/-	SPACE			
39	-	-/-	SPACE		40	-	-/-	SPACE			
41	-	-/-	SPACE		42	-	-/-	SPACE			

EXISTING 'KP2-LH' SCHEDULE:						208Y/120V 3ø 4W, RECESSED NEMA 1 600A MAIN LUG, 1-42 POS SECTION					
EXISTING PANEL SCHEDULE											
1	-	20/1	SPARE		2	-	20/1	EXHAUST FAN 4FS	4		
3	-	20/1	TRSH RM RECPT & REC BZZR	1	4	-	20/1	EF2 ROOM 119	1		
5	-	20/1	MEAT CHPR RECPT ANGLE WALL	4	6	-	20/1	RECEPTS 104/105/106A/COMP	1		
7	-	20/1	LIGHTS DISHWASHER ROOM	1	8	-	20/1	GAYLORD HOOD	4		
9	-	20/1	DISHWASHER EXHAUST FAN	1	10	-	20/1	HOOD LIGHTS	4		
11	-	20/1	EXHAUST FANS 8FS/9FS	4	12	-	20/1	SPARE	4		
13	-	20/1	RECPT RT SIDE OF ANGLE WALL	1	14	-	20/1	CH1 & CH2	1		
15	-	30/1	SPARE	4	16	-	20/1	SPARE	4		
17	-	30/1	SPARE	4	18	-	20/2	WALL HEATER IN STAIRWELL	1		
19	-	20/3	SPARE? MIXER?		20	-					
21	-			1	22	-	20/2	POTATO PEELER	1		
23	-				24	-					
25	-	20/3	DISPOSAL DISHWASHER ROOM		26	-	20/3	DISHWASHER			
27	-			4	28	-			4		
29	-				30	-					
31	-	20/3	CONVEYOR		32	-	20/3	TROUGHAVER			
33	-			4	34	-			4		
35	-				36	-					
37	-	30/3	A.H.V. #1		38	-	30/3	HOOD EXHAUST #2 SOUTH END	4		
39	-			4	40	-			4		
41	-				42	-			4		

EXISTING 'KP2-RH' SCHEDULE:						208Y/120V 3ø 4W, RECESSED NEMA 1 600A MAIN LUG, 1-42 POS SECTION					
EXISTING PANEL SCHEDULE											
		125/3	KP3					175/3	SPARE		1
1	-	20/1	KITCHEN LIGHTS	1	2	-	40/3	CONVECTION OVEN NORTH WALL			
3	-	20/1	KITCHEN LIGHTS	1	4	-			4		
5	-	20/1	KITCHEN LIGHTS	1	6	-					
7	-	20/1	RM 121 CLOCK/BINGO/FANS	1	8	-	20/1	SUCER RECEPT UNDER SS TABLE	4		
9	-	20/1	RM 121 N WALL RECEPT	1	10	-	20/1	GAS CONVECT OVN UNDER HOOD	4		
11	-	20/1	SPARE	4	12	-	20/1	STMER/COOKER/TILTING SKILLETS	4		
13	-	20/1	RECEPT EAST WALL KITCHEN	1	14	-	40/3	SPARE			
15	-	20/1	QUAD EAST WALL	1	16	-			4		
17	-	20/1	UNIT CAB HEATER IN KITCHEN	4	18	-					
19	-	20/1	ICE MACHINE	1	20	-	30/2	SPARE			
21	-	20/2	SPARE	4	22	-			4		
23	-				24	-	60/3	A.H.V. 5FS (CONDNSR ON ROOF)			
25	-	50/3	HOT FOOD WMRS UNDR HOOD		26	-			1		
27	-			4	28	-					
29	-				30	-	60/3	DISHWASHER HEATER			
31	-	20/3	HOT FOOD WMRS UNDR HOOD		32	-			4		
33	-			4	34	-					
35	-				36	-	50/3	SPARE			
37	-	60/3	SPARE		38	-			4		
39	-			4	40	-					
41	-				42	-	-/-	SPACE			

EXISTING 'EP1' SCHEDULE:						208Y/120V 3ø 4W, RECESSED NEMA 1 400A MAIN LUG, 1-44 POS SECTION					
EXISTING PANEL SCHEDULE											
		225/3	EP1A					90/3	EP4		1
1	-	20/1	EXIT LIGHTS	1	2	-	20/1	LOAD?	1		
3	-	20/1	NIGHT LIGHTS LOBBY	1	4	-	20/1	ELEVATOR CONTROL	1		
5	-	20/1	TEMP CONTROL PANEL	1	6	-	20/1	SUMP PUMP ELEVATOR PIT	1		
7	-	20/1	LOAD?	1	8	-	20/1	COOLER SOUTH WALL	1		
9	-	20/1	DOM ROOM NIGHT LIGHTS	1	10	-	20/1	ICE MACHINE? SPARE?	4		
11	-	20/1	NIGHT LIGHTS DOM	1	12	-	20/1	COOLER NORTHEAST CORNER	1		
13	-	20/1	EXIT LIGHT (END OF DOM)	1	14	-	20/1	SPARE	4		
15	-	20/1	EXIT/NT LTS KTCHN/FOOD SVC	1	16	-	20/1	SPARE	4		
17	-	20/1	GAS SOLENOID BASEMENT	1	18	-	20/1	TEL SYSTEM, EXIT LTS BASEMENT	1		
19	-	20/1	FRYOLATOR SHUNT TRIP CNTRL	4	20	-	20/3	CONDENSE PUMP DOM			
21	-	20/2	DISH ROOM LIGHTS?		22	-			1		
23	-			1	24	-					
25	-	20/3	H.W. CIRC PUMPS 11/12		26	-	20/3	DISC GEO CIRC PUMPS 29/30			
27	-			1	28	-			1		
29	-				30	-					
31	-	20/3	H.W. CIRC PUMPS ?/?		32	-	20/3	H.W. CIRC PUMPS 33/34	1		
33	-			1	34	-					
35	-				36	-					
37	-	20/3	H.W. CIRC PUMPS 31/32		38	-	30/3	WALK-IN COOLER/FREEZER	4		
39	-			1	40	-			4		
41	-				42	-					
43	-	20/1	COOLER LIGHTS	4	44	-	20/1	FREEZER LIGHTS	4		

NEW 'KP3' SCHEDULE:						208Y/120V 3ø 4W, RECESSED NEMA 1 125A MAIN LUG, 1-30/42 POS SECTION SEE NOTE BELOW FOR DEDUCT ALT #2					
NEW PANEL SCHEDULE FOR NEW INTERIOR											
1	-	20/1	LTS HALLWAY OUTSIDE KITCHEN	1	2	-	20/1	LIGHTS ROOM 119	1		
3	-	20/1	LTS HALLWAY OUTSIDE KITCHEN	1	4	-	20/1	CAB HEATER KITCHEN HALLWAY	1		
5	-	20/1	LTS ROOMS 336/337/338	1	6	-	15/1	EX FAN EF2 COMPOST RM	7		
7	-	20/1	ICE MACHINE 342	1	8	-	20/1	SPARE	2		
9	-	15/1	EXH FAN EF1 DISHWASH	2	10	-	20/1	LIGHTS RM 121	1		
11	-	20/1	LIGHTS OLD TRASH ROOM	1	12	-	20/1	ROOM 121 LIGHTS	1		
13	-	15/2	EXH FAN EF3 POT WASH	2	14	-	20/1	SPARE	2		
15	-				16	-	20/1	LTS/EX FAN RMS 327/330/331	1		
17	-	20/1	LTS RM 116	1	18	-	20/1	LTS FOOD SVC LOADING DOCK	1		
19	-	20/1	EXHAUST FANS EF5/EF6	1	20	-	20/1	UNIT HTR/EX FANS RM 343	1		
21	-	15/1	EXH FAN EF4	2	22	-	20/1	LTS RECNG/E-WING CLEAN/SOIL	1		
23	-	20/1	3 RECEPTS POT SINK S. WALL	1	24	-	20/1	LTS RECNG/E-WING CLEAN/SOIL	1		
25	-	20/1	SPARE	2	26	-	20/1	SPARE	2		
27	-	20/1	SPARE	2	28	-	20/1	SPARE	2		
29	-	20/1	SPARE	2	30	-	20/1	SPARE	2		
31	-	20/1	COUNTRY KITCHEN JUICE	8	32	-	20/1	COUNTRY KITCHEN ICE	8		
33	-	20/1	COUNTRY KITCHEN COFFEE	8	34	-	20/1	COUNTRY KITCHEN TOASTER	8		
35	-	20/1	COUNTRY KITCH PLATE HT	8	36	-	20/3	COUNTRY KITCHEN HOT FOOD			
37	-	20/1	SPARE		38	-					
39	-	20/1	SPARE		40	-			8		
41	-	20/1	SPARE		42	-	20/1	SPARE			

NEW 'KP2-LH' SCHEDULE:					208Y/120V 3ø 4W, RECESSED NEMA 1 600A MAIN LUG, 1-42 POS SECTION FEED-THRU LUGS				
NEW PANEL SCHEDULE FOR NEW INTERIOR									
1	-	20/1	OFFICE RECEPTACLES	2	2	-	20/1	STAFF ROOM RECEPTACLES	2
3	-	20/1	TRSH RM RECPT & REC BZZR	1	4	-	20/1	EF2 ROOM 119	1
5	-	20/1	SUP. OFFICE RECEPTACLES	2	6	-	20/1	RECEPTS 104/105/106A/COMP	1
7	-	20/1	LIGHTS DISHWASHER ROOM	1	8	-	20/1	KITCHEN DOOR OPENER	2
9	-	20/1	DISHWASHER EXHAUST FAN	1	10	-	20/1	DISHWASHING WALL FANS	2
11	-	20/1	POTWASHING WALL FAN	2	12	-	20/1	JAN. RECEPT, WALL FAN	2
13	-	20/1	RECPT RT SIDE OF ANGLE WALL	1	14	-	20/1	CH1 & CH2	1
15	-	20/1	E. KITCHEN CONV. RECPTS	2	16	-	15/1	RECEIVING AIR DOOR HTR	2
17	-	20/1	RECEIVING/STOR RECEPTS	2	18	-	20/2	WALL HEATER IN STAIRWELL	1
19	-	20/3	SPARE? MIXER?		20	-		↓	
21	-		↓	1	22	-	20/2	POTATO PEELER	1
23	-				24	-		↓	
25	-	20/1	KU1 CONTROLS CIRCUIT	2	26	-	20/1	FOOD PROCESSOR QUAD	2
27	-	20/3	KU1 HOOD EXHAUST		28	-	20/1	FOOD PROCESSOR QUAD	2
29	-		↓	2	30	-	20/1	SLICER ANGLED WALL	2
31	-				32	-	20/1	FOOD PROCESSOR ANGLED WALL	2
33	-	15/2	HP2 FOOD STORAGE		34	-	15/2	HP1 KITCHEN OFFICES	
35	-		↓	2	36	-		↓	2
37	-	125/3	PANEL 'KP3'		38	-	35/3	KU1 HOOD SUPPLY	
39	-		↓	2	40	-			
41	-				42	-		↓	2

REMOVE THIS PANELBOARD ENTIRELY
ALONG WITH ALL ASSOCIATED WIRING
BACK TO SOURCE. ALL CIRCUITS SHALL
BE REMOVED ENTIRELY EXCEPT FOR
"LARGE FOOD MIXER" CIRCUIT #12.
REMOVE THIS CIRCUIT FROM THE BOX TO
A POINT ABOVE CEILING AND
MODIFY/EXTEND CIRCUITRY AS NEEDED TO
NEW PANEL AS SHOWN ON DRAWING E-4.

REMOVE EXISTING FEEDER FROM 125A BREAKER IN
PANEL 'KP2-RH' AND RE-ROUTE TO NEW CIRCUIT
BREAKER IN NEW PANEL INTERIOR OF 'KP2-LH' TO
FEED NEW MAIN LUGS OF PANEL 'KP3'.

- PANELBOARD INTERIORS AND COVERPLATE REPLACEMENT FOR 'EP1', 'KP2-RH', 'KP2-LH' AND 'KP3':
1. RECESSED BACKBOXES OF EXISTING PANELBOARDS SHALL REMAIN, REMOVE EXISTING BUSSING, BREAKERS, ALL ASSOCIATED HARDWARE AND COVERS OF ALL PANELBOARDS AND REPLACE WITH NEW AS NOTED ON PANELBOARD SCHEDULES. REMOVE ALL EXISTING WIRING NOT CONNECTED TO EXISTING CIRCUIT BREAKERS ENTIRELY FROM PANEL.
 2. FOR ALL LOADS NOTED TO BE REMOVED, REMOVE ALL EXISTING WIRING AND ALL ASSOCIATED HARDWARE ENTIRELY FROM WITHIN PANELBOARDS OUT TO LOAD.
 3. VERIFY ALL LOADS TO REMAIN ARE STILL IN USE. IF NOT IN USE, REMOVE EXISTING WIRING AND ALL ASSOCIATED HARDWARE. IF IN USE CONNECT WIRING TO NEW CIRCUIT BREAKER AS SHOWN ON PANEL SCHEDULES DRAWING E-6.
 4. PROVIDE TEMPORARY POWER TO LOADS THAT REMAIN THAT ARE OUTSIDE OF THE RENOVATION AREA AND RECONNECT TO NEW PANELBOARD INTERIOR.
 5. REMOVE ALL EXCESS WIRING WITHIN THE PANELS FOR CIRCUITS THAT REMAIN TO MINIMIZE CLUTTER OF WIRE IN THE PANELBOARDS.
 6. PROVIDE NEW PANEL SCHEDULES PER DRAWING E-6. EC SHALL MODIFY AS NEEDED IF LOADS SHOWN TO REMAIN ARE FOUND TO BE NO LONGER IN USE.
 7. SEE PANEL SCHEDULES DRAWING E-6 FOR FURTHER DETAILS ON NEW PANEL INTERIORS.

DESCRIPTIONS OF PANELS ON THIS DETAIL ARE
AS THEY EXIST NOW, NEW PANEL INTERIORS
MAY HAVE DIFFERENT SPECIFICATIONS, SEE
DRAWING E-6 PANEL SCHEDULES.

'KP4'
225A MCB
120/208V
3ø/4W
30 POLE

'KP3'
225A MLO
120/208V
3ø/4W
42 POLE
RECESSED
20"x35"x6"
BACKBOX
21.5"x36.5"
COVERPLATE

'KP2-LH'
600A MLO
FEED-THRU LUGS
120/208V
3ø/4W
42 POLE
RECESSED
20"x59"x6"
BACKBOX
20.75"x60.5"
COVERPLATE

'KP2-RH'
600A MLO
FEED-THRU LUGS
120/208V
3ø/4W
42 POLE
RECESSED
20"x59"x6"
BACKBOX
20.75"x60.5"
COVERPLATE

'EP1'
400A MLO
120/208V
3ø/4W
44 POLE
RECESSED
20"x59"x6"
BACKBOX
21.5"x60.5"
COVERPLATE

EXISTING (8) 350 + G FEED TO
PANEL 'KP2-RH' FROM FEED-THRU
LUGS OF KP2-RH SHALL BE
DISCONNECTED & RECONNECTED TO
NEW PANEL INTERIOR MAIN LUGS.

REMOVE 'KP4' FEEDER FROM 'KP2-RH',
MODIFY/EXTEND PATHWAY AS NEEDED TO
ACCOMMODATE RE-ROUTE OF FEEDER TO
'KITCHEN TRAY LINE PANEL'.

EXISTING (8) 350 + G MAIN FEED TO PANEL
'KP2-LH' SHALL BE DISCONNECTED & RECONNECTED
TO NEW PANEL INTERIOR MAIN LUGS.

REMOVE EXISTING (3) 2/0 + G ABANDONED
FEEDER FROM 175A BREAKER AND ALL
ASSOCIATED HARDWARE ENTIRELY.

DISCONNECT EXISTING FEEDERS
AND RECONNECT TO NEW
PANELBOARD LUGS/BREAKERS

EXISTING (4) #4 + G FEED TO PANEL 'EP4' SHALL BE
DISCONNECTED AND RECONNECTED TO NEW CIRCUIT
BREAKER IN NEW PANEL INTERIOR

EXISTING (4) 500 + G MAIN FEED
TO PANEL 'EP1' SHALL BE
DISCONNECTED AND RECONNECTED
TO NEW PANEL INTERIOR MAIN LUGS.

REMOVE EXISTING (4) #2/0 + G FEED
FROM EXISTING PANEL 'KP4' AND
RE-ROUTE TO NEW BREAKER IN
PANELBOARD 'EP1' USING PATHWAY FOR
REMOVED 'KP4' FEEDER.

REPLACE BOTTOM COVER OF EXISTING
12" x 12" x 72" (APPROXIMATELY)
PULLBOX AT BASEMENT CEILING LEVEL.
VERIFY EXACT SIZE IN FIELD.

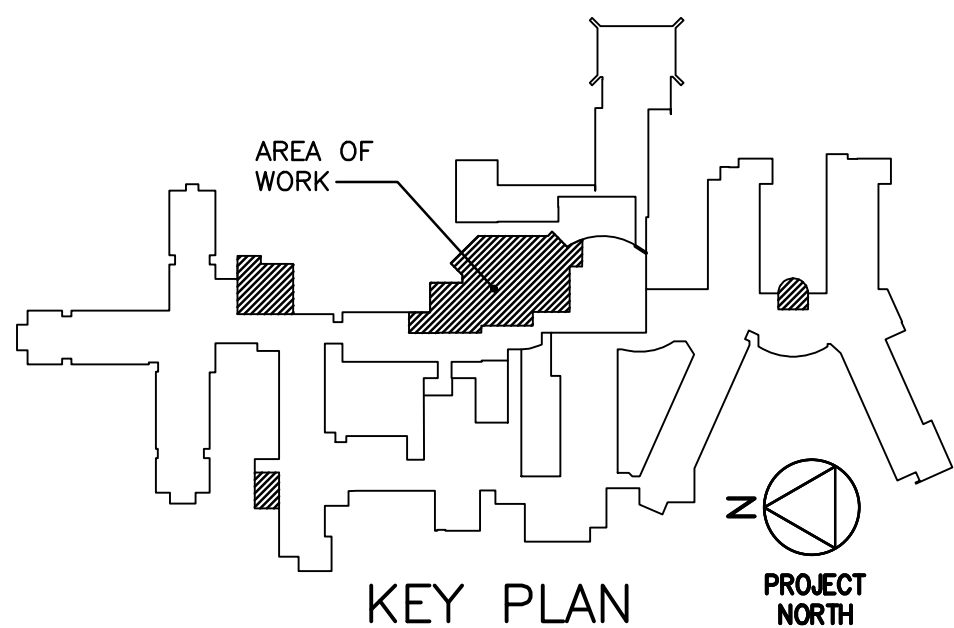
EXISTING (4) #250 + G FEED TO PANEL 'EP1A' SHALL
BE DISCONNECTED AND RECONNECTED TO NEW CIRCUIT
BREAKER IN NEW PANEL INTERIOR

'KITCHEN TRAY
LINE PANEL'
225A MLO
120/208V
3ø/4W
24 POLE
SURFACE
(RENAME 'EP1B')

THIS PANEL SHALL REMAIN IN ITS
CURRENT LOCATION AND BE RENAMED
'EP1B'. ALL INTERIORS SHALL REMAIN,
BREAKERS SHALL BE REWORKED FOR
NEW LOADS AS SHOWN ON PANEL
SCHEDULES DRAWING E-6. PROVIDE NEW
LABELING AND REVISED PANEL SCHEDULE.

EXISTING PANELBOARD DETAILS

NO SCALE



KEY PLAN

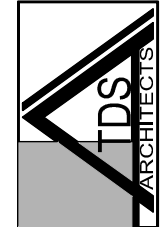
NO SCALE

FFA #7712

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VERMONT VETERANS' HOME

BENNINGTON, VERMONT

KITCHEN RENOVATION PROJECT

ELECTRICAL
DETAILS

BID SET

E-7

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