

MECHANICAL SYMBOLS AND ABBREVIATIONS

- DIRECT CONNECTION
- SINGLE BLADE OR OPPOSED-BLADE DAMPER
- ISOLATED DAMPER
- DAMPER WITH ACCESS DOOR

FREE AREA
SIDE OF DUCT SHOWN)

LOCATION OF SUPPLY OR
INTAKE DUCT

LOCATION OF RETURN DUCT

WITH TURNING VANES

RECTANGLE TO ROUND
TION

ROOF MOUNTED EXHAUST FAN
OR

AG

OSTAT OR TEMPERATURE SENSOR

OSTAT OR TEMPERATURE
(GUARD)

MINOR UNIT TO BE DEMOLISHED AND
RETURN UNIT TO VA.

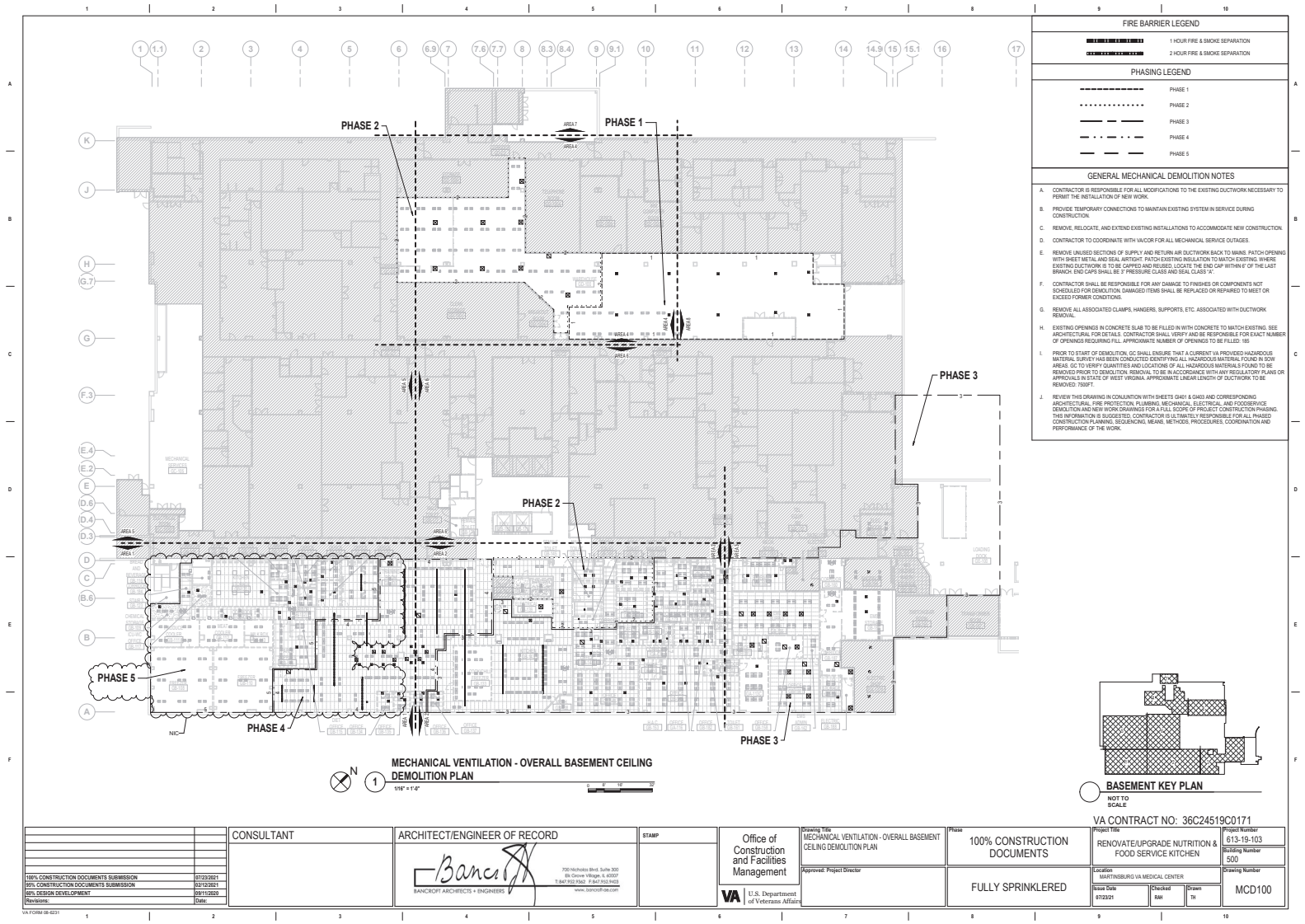
PLY DIFFUSER TO BE DEMOLISHED
D. RETURN TO VA.

LE SIZE

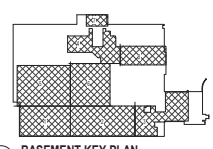
2. ALL EQUIPMENT SOUND LEVELS SHALL NOT EXCEED 50 DB AT PROPERTY LINE.

3. ALL INTERCONNECTING WIRING AT THIS SITES SHALL BE FACTORY-TERMINATED AND REQUIRE ONE (1) PPOWER CONNECTION TO THE UNIT BY THE ELECTRICAL CONTRACTOR.
4. SUBMIT THE REQUIRED NUMBER OF COPIES OF EACH CATALOG OR DATA SHEET FOR THE EQUIPMENT PROPOSED TO THE VENDOR/PROVIDER AND TO THE ASH FOR REVIEW. SUBMIT REVIEW FROM THE VENDOR/PROVIDER TO THE ASH FOR REVIEW. THE ASH SHALL ALSO PROVIDE WRITTEN INSTRUCTIONS FOR THE OPERATION AND MAINTENANCE OF EACH FURNISHED UNIT AND TOGETHER WITH EQUIPMENT OIDS AND CONTROL WIRING DIAGRAMS. SUBMIT THE REQUIRED NUMBER OF COPIES TO THE INAVION AND TO THE ASH FOR REVIEW SUCCESSFUL REVIEW.
5. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, STRUCTURE, TESTS, MEMBERS, BELTS AND DRUMS REQUIRED TO LEASE AND SUPPORT EQUIPMENT.
6. CONTRACTOR AND/OR MANUFACTURER SHALL VERIFY AND CERTIFY THAT THE CHARACTERISTICS OF THE EQUIPMENT BEING SUBMITTED FOR REVIEW MEETS THE CHARACTERISTICS AND QUALITY REQUIRED. WHEN EQUIPMENT IS SUBMITTED FOR REVIEW REQUIRE VERIFICATION TO THE WORK OF OTHER CONTRACTORS. SUBMITTING CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ALL CLAIMS AND ADDITIONAL INFO REQUIRED BY THE ASH. CONTRACTOR SHALL BE RESPONSIBLE TO MAKE CORRECTIONS WHICH SHALL ACCORD TO THE EQUIPMENT TO FUNCTION SAFELY AND PROPERLY.

VA FORM 08-6271



FIRE BARRIER LEGEND	
	1 HOUR FIRE & SMOKE SEPARATION
	2 HOUR FIRE & SMOKE SEPARATION
PHASING LEGEND	
	PHASE 1
	PHASE 2
	PHASE 3
	PHASE 4
	PHASE 5
GENERAL MECHANICAL DEMOLITION NOTES	
A. CONTRACTOR IS RESPONSIBLE FOR ALL MODIFICATIONS TO THE EXISTING DUCTWORK NECESSARY TO PERMIT THE INSTALLATION OF NEW WORK.	
B. PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEM IN SERVICE DURING CONSTRUCTION.	
C. REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION.	
D. CONTRACTOR TO COORDINATE WITH VACOR FOR ALL MECHANICAL SERVICE OUTAGES.	
E. REMOVE UNUSED SECTIONS OF SUPPLY AND RETURN AIR DUCTWORK BACK TO MAIN. PATCH OPENING WITH SHEET METAL AND SEAL AIRTIGHT. PATCH EXISTING INSULATION TO MATCH EXISTING. WHERE EXISTING DUCTWORK IS TO BE CAPPED AND REUSED, LOCATE THE END CAP WITHIN 6" OF THE LAST BRANCH END CAPS SHALL BE 2" PRESSURE CLASS AND SEAL CLASS "X".	
F. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO FINISHES OR COMPONENTS NOT SCHEDULED FOR DEMOLITION. DAMAGED ITEMS SHALL BE REPLACED OR REPAIRED TO MEET OR EXCEED FORMER CONDITIONS.	
G. REMOVE ALL ASSOCIATED CLAMPS, HANGERS, SUPPORTS, ETC. ASSOCIATED WITH DUCTWORK REMOVAL.	
H. EXISTING OPENINGS IN CONCRETE SLAB TO BE FILLED IN WITH CONCRETE TO MATCH EXISTING. SEE ARCHITECTURAL FOR DETAILS. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR EXACT NUMBER OF OPENINGS REQUIRING FILL. APPROXIMATE NUMBER OF OPENINGS TO BE FILLED: 180.	
I. PRIOR TO START OF DEMOLITION, GC SHALL ENSURE THAT A CURRENT VA PROVIDED HAZARDOUS MATERIAL SURVEY HAS BEEN CONDUCTED IDENTIFYING ALL HAZARDOUS MATERIAL FOUND IN BOW AREAS. GC TO VERIFY QUANTITIES AND LOCATIONS OF ALL HAZARDOUS MATERIALS FOUND TO BE REMOVED PRIOR TO DEMOLITION. REMOVAL TO BE IN ACCORDANCE WITH ANY REGULATORY PLANS OR APPROVALS IN STATE OF WEST VIRGINIA. APPROXIMATE LINEAL LENGTH OF DUCTWORK TO BE REMOVED: 7000 FT.	
J. REVIEW THIS DRAWING IN CONJUNCTION WITH SHEETS 0401 & 0402 AND CORRESPONDING ARCHITECTURAL, FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL, AND FOODSERVICE DEMOLITION AND NEW WORK DRAWINGS FOR A FULL SCOPE OF PROJECT CONSTRUCTION PHASING. THIS INFORMATION IS SUGGESTED. CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR ALL PHASED CONSTRUCTION PLANNING, SEQUENCING, MEANS, METHODS, PROCEDURES, COORDINATION AND PERFORMANCE OF THE WORK.	

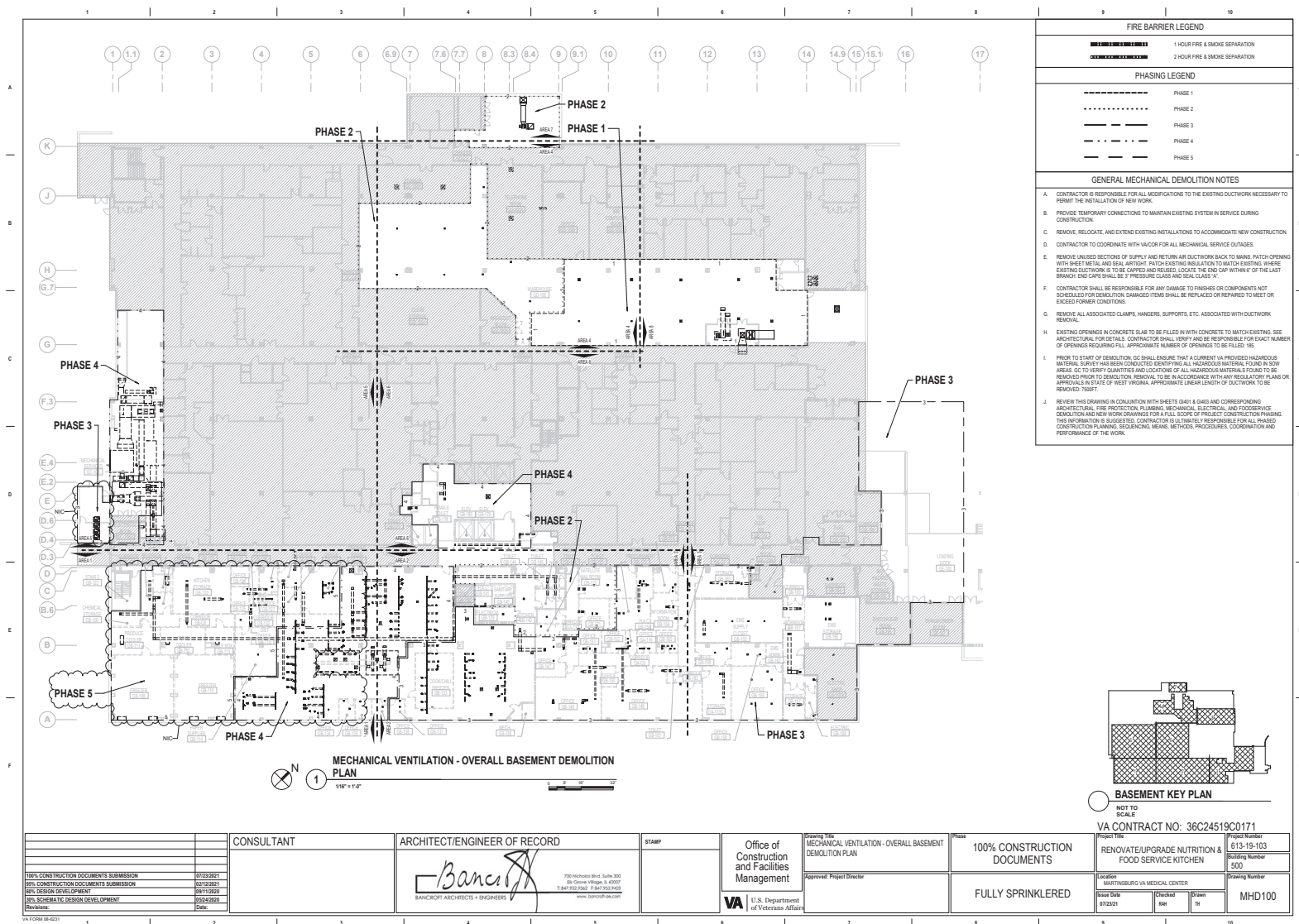


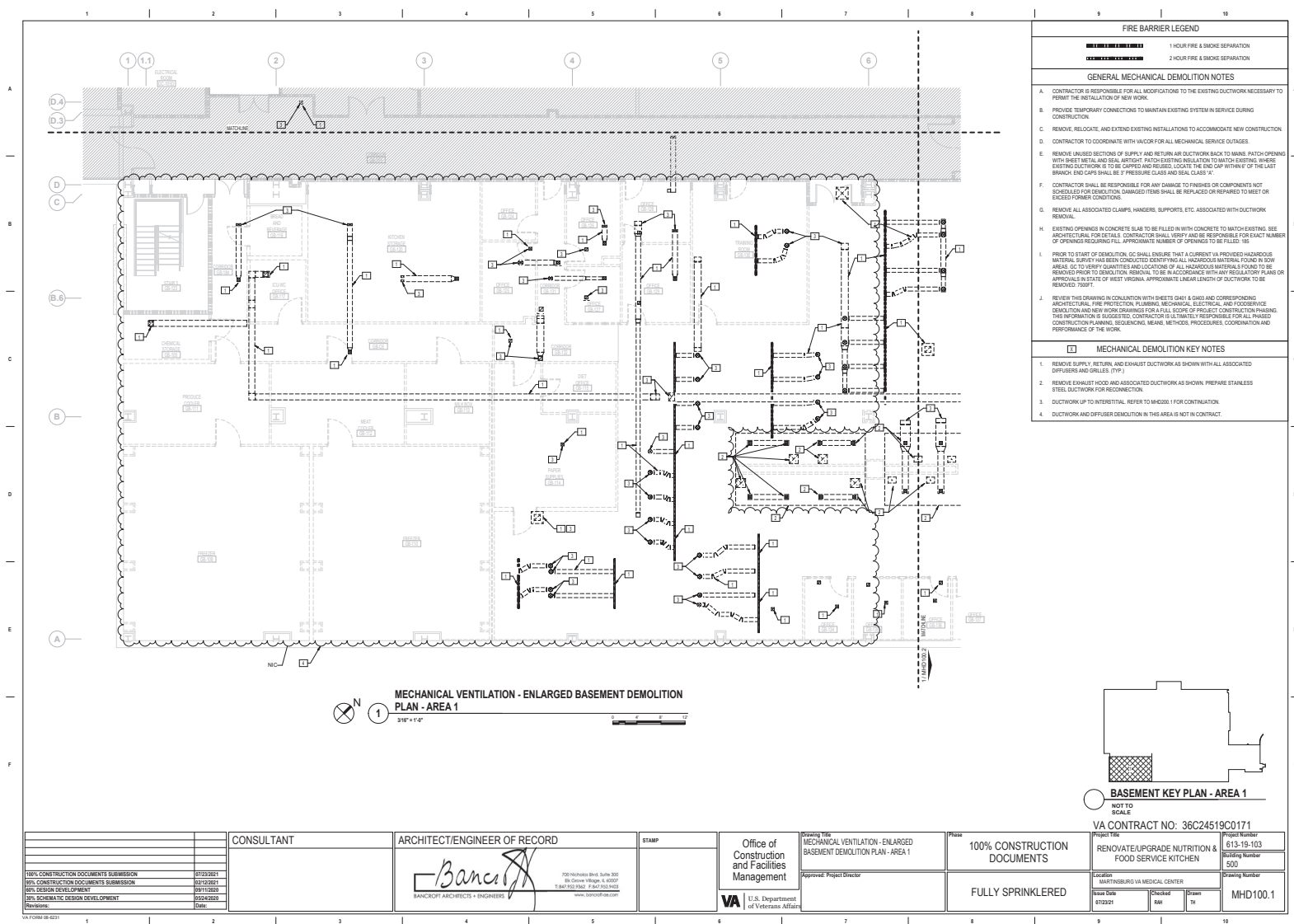
BASEMENT KEY PLAN

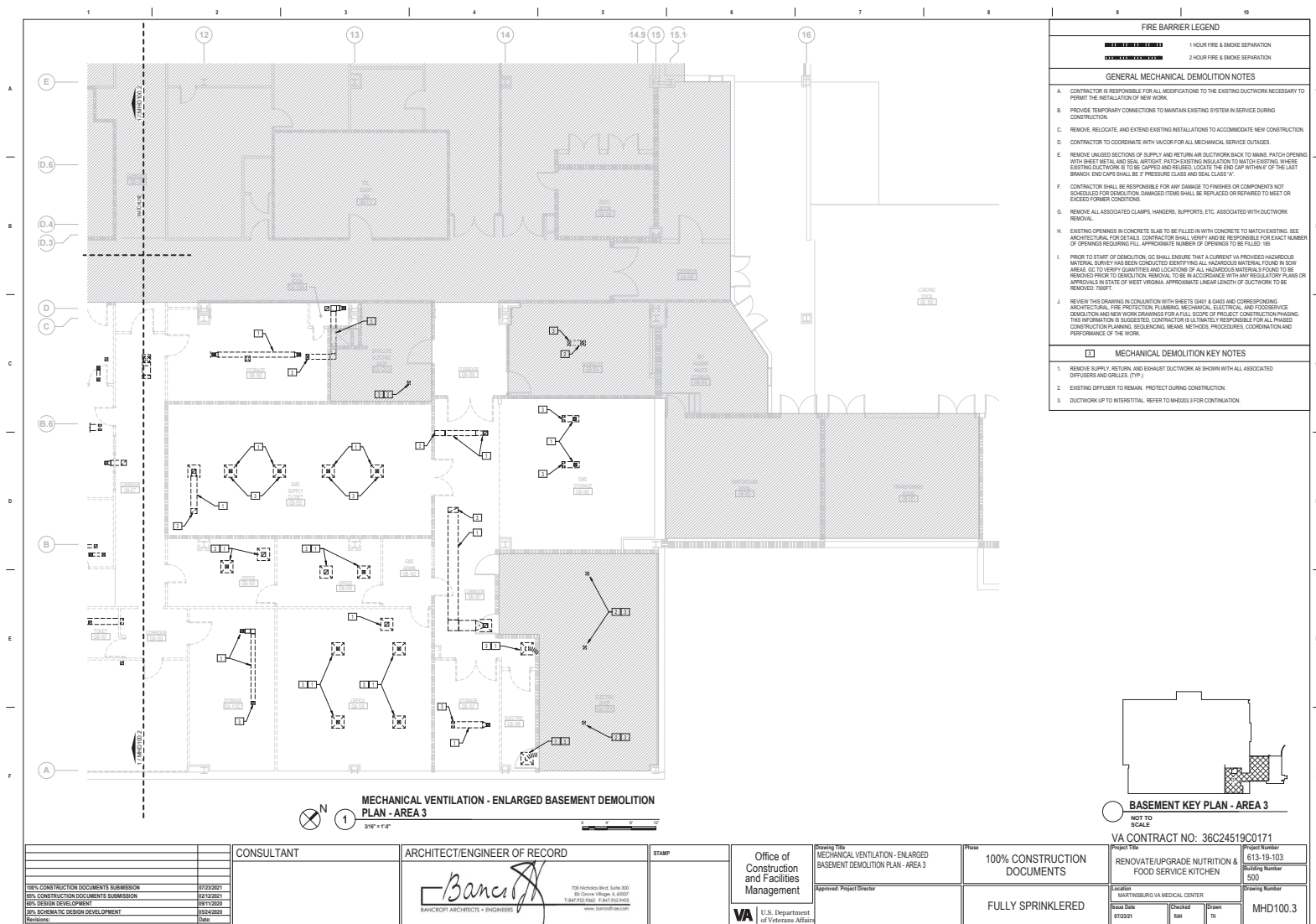
NOT TO SCALE

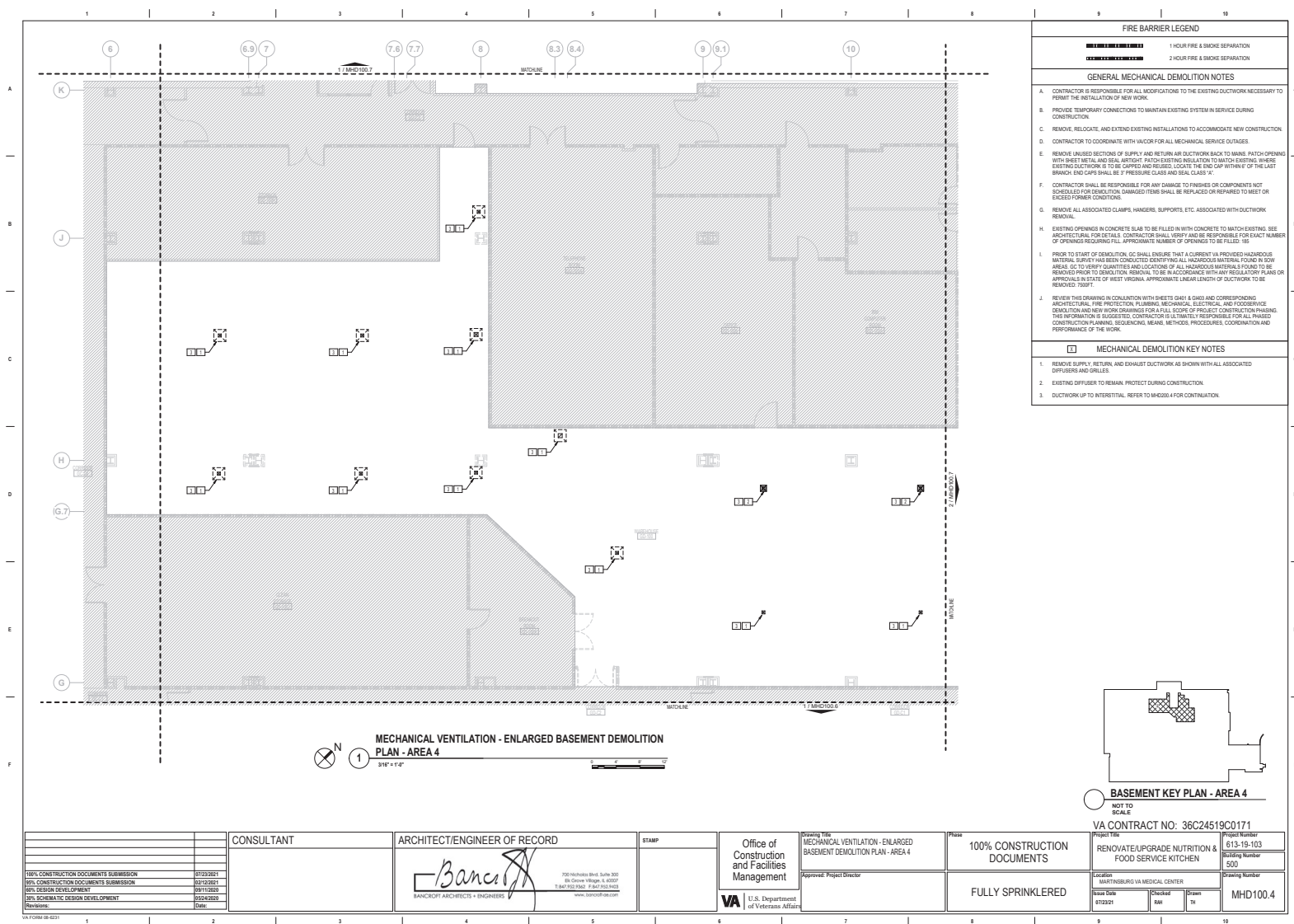
VA CONTRACT NO: 36C24519C0171

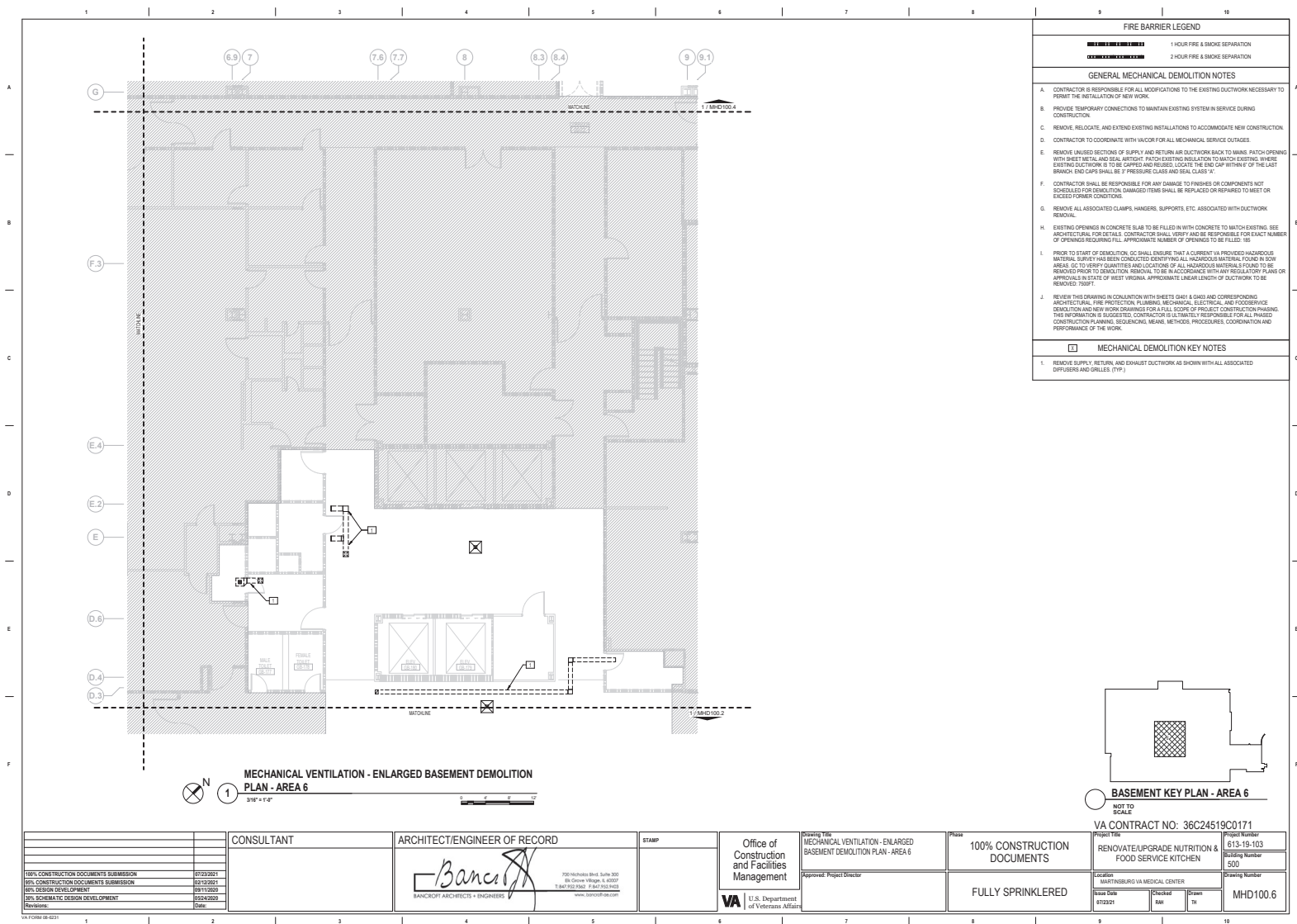
CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		Office of Construction and Facilities Management		100% CONSTRUCTION DOCUMENTS		PROJECT: RENOVATE/UPGRADE NUTRITION & FOOD SERVICE KITCHEN	
100% CONSTRUCTION DOCUMENTS SUBMISSION		07/23/2021		07/23/2021		Approved: Project Director		FULLY SPRINKLERED		Location: MARTINSBURG VA MEDICAL CENTER	
90% CONSTRUCTION DOCUMENTS SUBMISSION		07/23/2021		07/23/2021		U.S. Department of Veterans Affairs				Project Number: 613-19-103	
90% DESIGN DEVELOPMENT		07/23/2021		07/23/2021						Building Number: 500	
Revisions:		Date:								Drawing Number: MCD100	

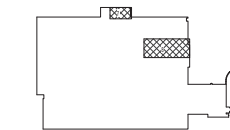
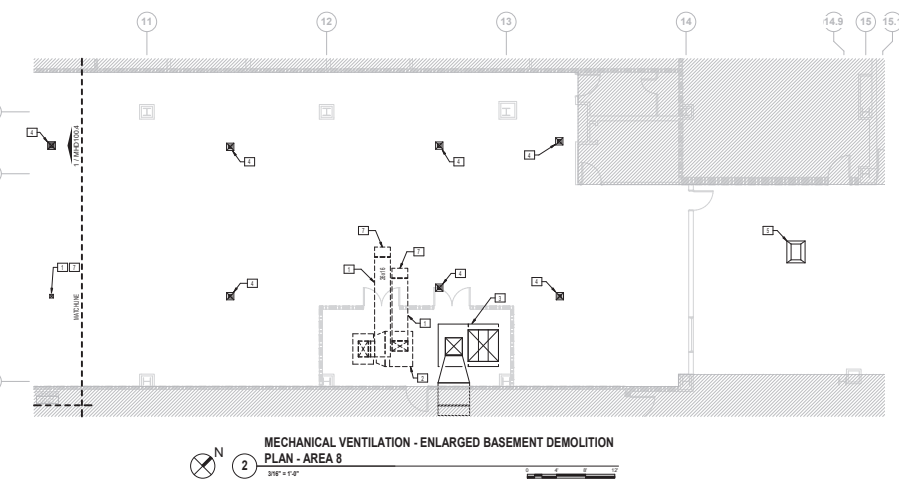


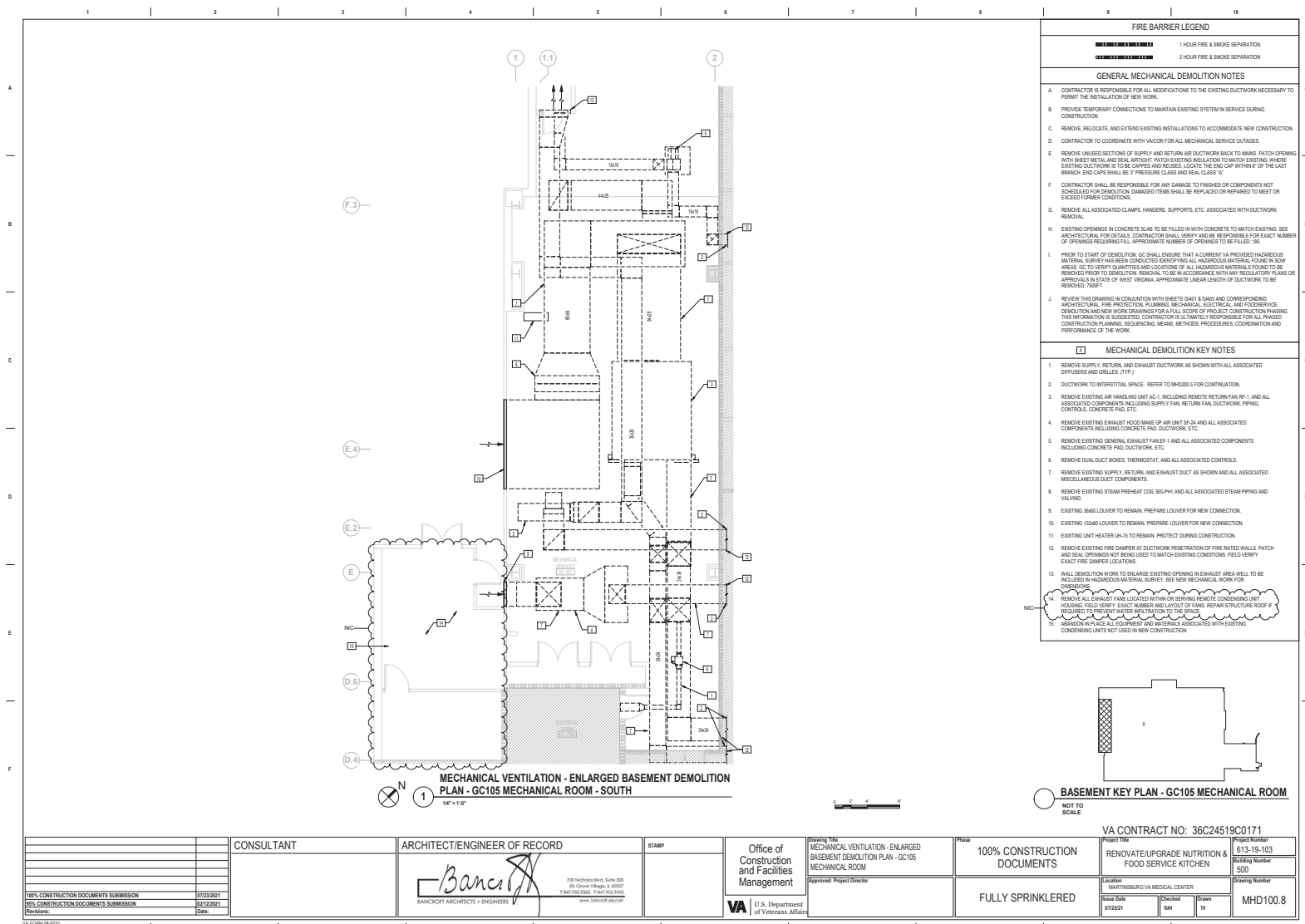


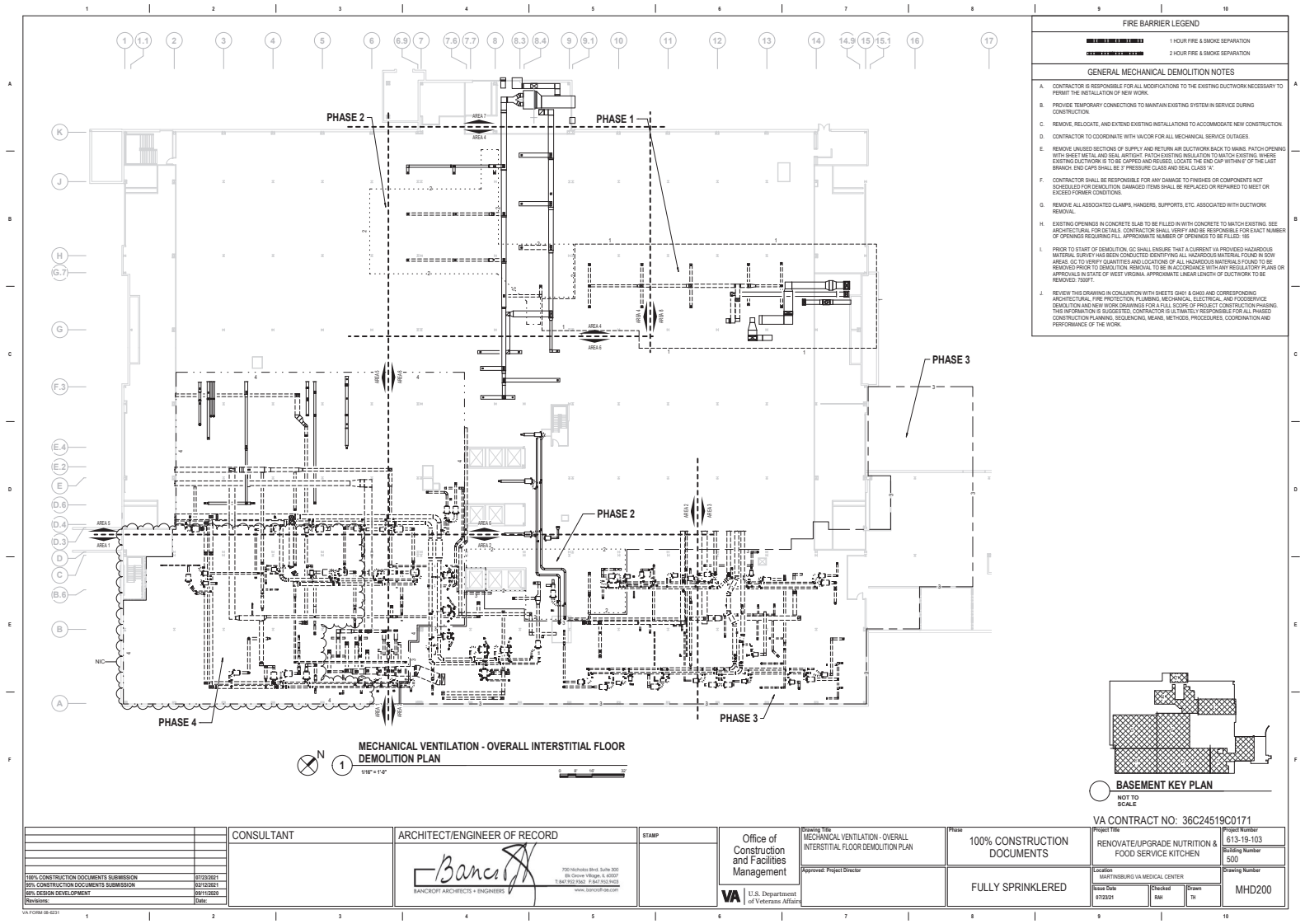




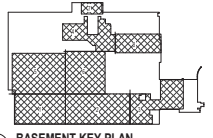






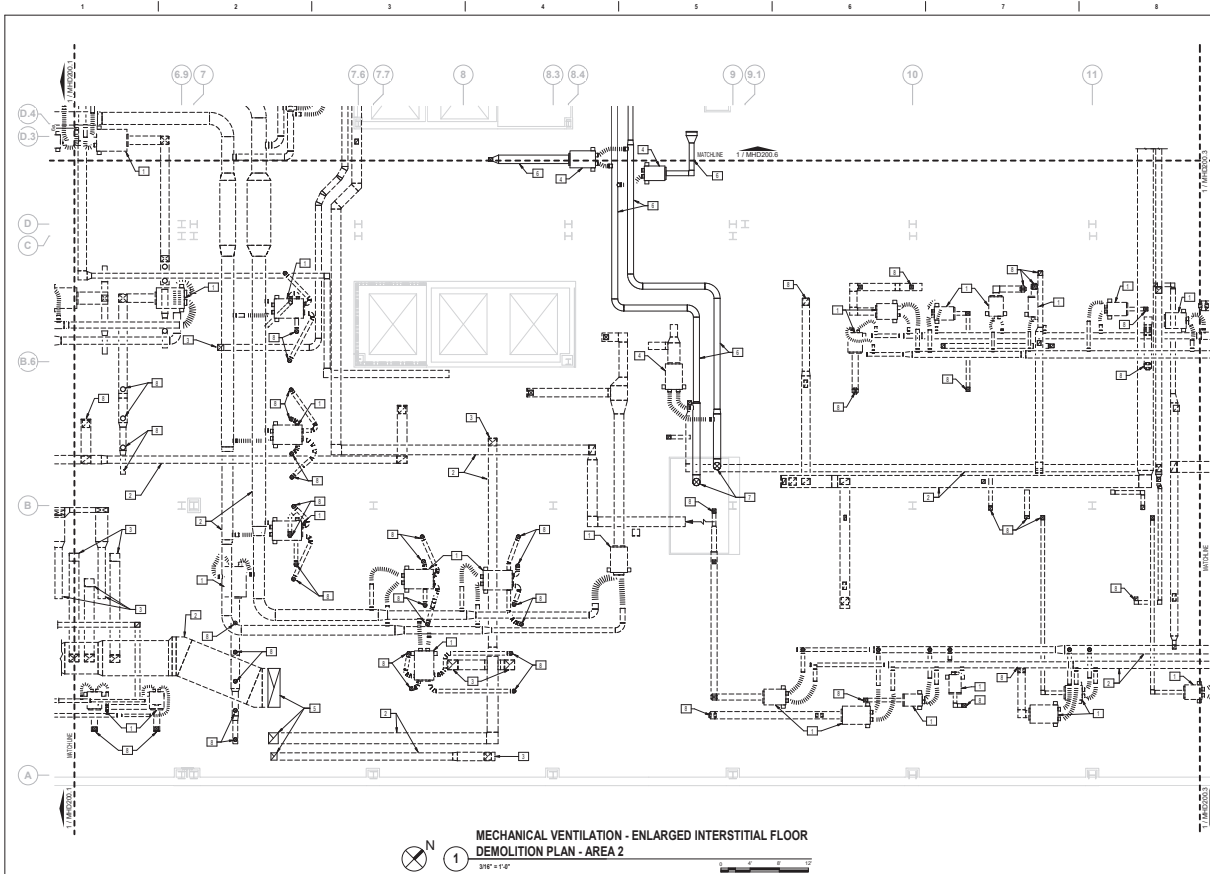


- FIRE BARRIER LEGEND**
- 1 HOUR FIRE & SMOKE SEPARATION
 - 2 HOUR FIRE & SMOKE SEPARATION
- GENERAL MECHANICAL DEMOLITION NOTES**
- CONTRACTOR IS RESPONSIBLE FOR ALL MODIFICATIONS TO THE EXISTING DUCTWORK NECESSARY TO PERMIT THE INSTALLATION OF NEW WORK.
 - PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEM IN SERVICE DURING CONSTRUCTION.
 - REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION.
 - CONTRACTOR TO COORDINATE WITH HVAC FOR ALL MECHANICAL SERVICE OUTAGES.
 - REMOVE UNUSED SECTIONS OF SUPPLY AND RETURN AIR DUCTWORK BACK TO MAINS. PATCH OPENING WITH BRISTLE METAL AND SEAL AIRTIGHT. PATCH EXISTING INSULATION TO MATCH EXISTING. WHERE EXISTING DUCTWORK IS TO BE CAPPED AND REUSED, LOCATE THE END CAP WITHIN 4' OF THE LAST BRANCH. END CAPS SHALL BE 2" PRESSURE CLASS AND SEAL CLASS "V".
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO FINISHES OR COMPONENTS NOT SCHEDULED FOR DEMOLITION. DAMAGED ITEMS SHALL BE REPLACED OR REPAIRED TO MEET OR EXCEED FORMER CONDITIONS.
 - REMOVE ALL ASSOCIATED CLAMPS, HANGERS, SUPPORTS, ETC. ASSOCIATED WITH DUCTWORK REMOVAL.
 - EXISTING OPENINGS IN CONCRETE SLAB TO BE FILLED IN WITH CONCRETE TO MATCH EXISTING. SEE ARCHITECTURAL FOR DETAILS. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR EXACT NUMBER OF OPENINGS REQUIRING FILL. APPROXIMATE NUMBER OF OPENINGS TO BE FILLED: 185.
 - PRIOR TO START OF DEMOLITION, GC SHALL ENSURE THAT A CURRENT VA PROVIDED HAZARDOUS MATERIAL SURVEY HAS BEEN CONDUCTED IDENTIFYING ALL HAZARDOUS MATERIAL FOUND IN BOW AREAS. GC TO VERIFY QUANTITIES AND LOCATIONS OF ALL HAZARDOUS MATERIALS FOUND TO BE REMOVED PRIOR TO DEMOLITION. REMOVAL TO BE IN ACCORDANCE WITH ANY REGULATORY PLANS OR APPROVALS IN STATE OF WEST VIRGINIA. APPROXIMATE LINEAL LENGTH OF DUCTWORK TO BE REMOVED: 7500 FT.
 - REVIEW THE DRAWING IN COLLABORATION WITH BRISTLE METAL & SEAL AND CORRESPONDING ARCHITECTURAL, FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL, AND FOODSERVICE DEMOLITION AND NEW WORK DRAWINGS FOR A FULL SCOPE OF PROJECT. CONTRACTOR, UPON FINDING THIS INFORMATION IS SUGGESTED, CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR ALL PHASED CONSTRUCTION PLANNING, SCHEDULING, MEANS, METHODS, PROCEDURES, COORDINATION AND PERFORMANCE OF THE WORK.

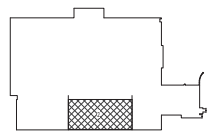


BASEMENT KEY PLAN
NOT TO SCALE

CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		Office of Construction and Facilities Management		100% CONSTRUCTION DOCUMENTS		RENOVATE/UPGRADE NUTRITION & FOOD SERVICE KITCHEN	
100% CONSTRUCTION DOCUMENTS SUBMISSION		07/23/2021		07/23/2021		Approval: Project Director		FULLY SPRINKLERED		MHD200	
90% CONSTRUCTION DOCUMENTS SUBMISSION		07/23/2021		07/23/2021		U.S. Department of Veterans Affairs					
80% DESIGN DEVELOPMENT		07/23/2021		07/23/2021							
Revisions:		Date:									



FIRE BARRIER LEGEND	
	1 HOUR FIRE & SMOKE SEPARATION
	2 HOUR FIRE & SMOKE SEPARATION
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E. REMOVE UNUSED SECTIONS OF SUPPLY AND RETURN AIR DUCTWORK BACK TO MAINS. PATCH OPENING WITH BRIST METAL AND SEAL. AIRSTOP. PATCH EXISTING INSULATION TO MATCH EXISTING. WHERE EXISTING DUCTWORK IS TO BE CAPPED AND REUSED, LOCATE THE END CAP WITHIN 4' OF THE LAST BRANCH. END CAPS SHALL BE 2" PRESSURE CLASS AND SEAL CLASS "V".	
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G. REMOVE ALL ASSOCIATED CLAMPS, HANGERS, SUPPORTS, ETC. ASSOCIATED WITH DUCTWORK REMOVAL.	
H. EXISTING OPENINGS IN CONCRETE SLAB TO BE FILLED IN WITH CONCRETE TO MATCH EXISTING. SEE ARCHITECTURAL FOR DETAILS. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR EXACT NUMBER OF OPENINGS REQUIRING FILL. APPROXIMATE NUMBER OF OPENINGS TO BE FILLED: 185.	
I. PRIOR TO START OF DEMOLITION, GC SHALL ENSURE THAT A CURRENT VA PROVIDED HAZARDOUS MATERIAL SURVEY HAS BEEN CONDUCTED IDENTIFYING ALL HAZARDOUS MATERIAL FOUND IN BOW AREAS. GC TO VERIFY QUANTITIES AND LOCATIONS OF ALL HAZARDOUS MATERIALS FOUND TO BE REMOVED PRIOR TO DEMOLITION. REMOVAL TO BE IN ACCORDANCE WITH ANY REGULATORY PLANS OR APPROVALS IN STATE OF WEST VIRGINIA. APPROPRIATE LENGTH OF DUCTWORK TO BE REMOVED 7500'. J. REFER TO THE DRAWING IN CONSULTATION WITH SHEETS GRN1 & GRN2 AND CORRESPONDING ARCHITECTURAL, FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL, AND FOODSERVICE DEMOLITION AND NEW WORK DRAWINGS FOR A FULL SCOPE OF PROJECT. CONTRACTOR EMPLOYING THIS INFORMATION IS ADVISED. CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR ALL PHASED CONSTRUCTION PLANNING, SCHEDULING, MEANS, METHOD, PROCEDURE, COORDINATION AND PERFORMANCE OF THE WORK.	
MECHANICAL DEMOLITION KEY NOTES	
1. REMOVE DUAL DUCT BOXES, THERMOSTAT, AND ALL ASSOCIATED CONTROLS.	
2. REMOVE SUPPLY, RETURN, AND EXHAUST DUCTWORK AS SHOWN WITH ALL ASSOCIATED DIFFUSERS AND GRILLES (TYP.).	
3. REMOVE EXHAUST HOOD AND ASSOCIATED DUCTWORK AS SHOWN. PREPARE STAINLESS STEEL DUCTWORK FOR RECONNECTION.	
4. EXISTING DUAL DUCT BOX TO REMAIN.	
5. EXISTING DUCTWORK RISER UP TO EXHAUST FANS ON ROOF TO REMAIN, PROTECT DURING CONSTRUCTION.	
6. EXISTING DUCTWORK TO REMAIN, PROTECT DURING CONSTRUCTION.	
7. EXISTING SUPPLY DUCTWORK UP TO UNKNOWN LOCATION, PROTECT DURING CONSTRUCTION.	
8. DUCTWORK DOWN TO FLOOR BELOW, REFER TO MHD100.2 FOR CONTINUATION (NOT ALL LOCATIONS TAGGED. COORDINATE IN FIELD).	

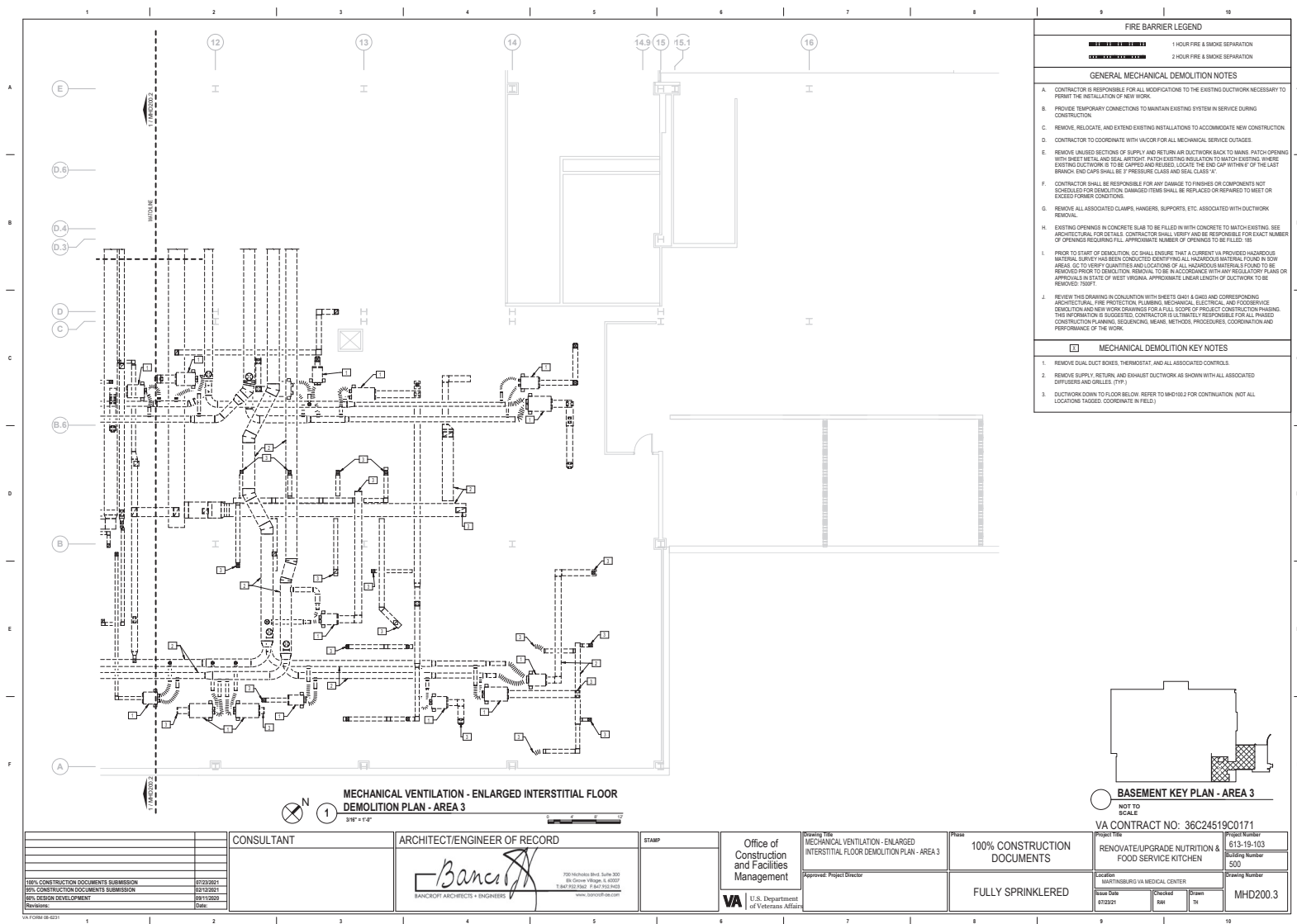


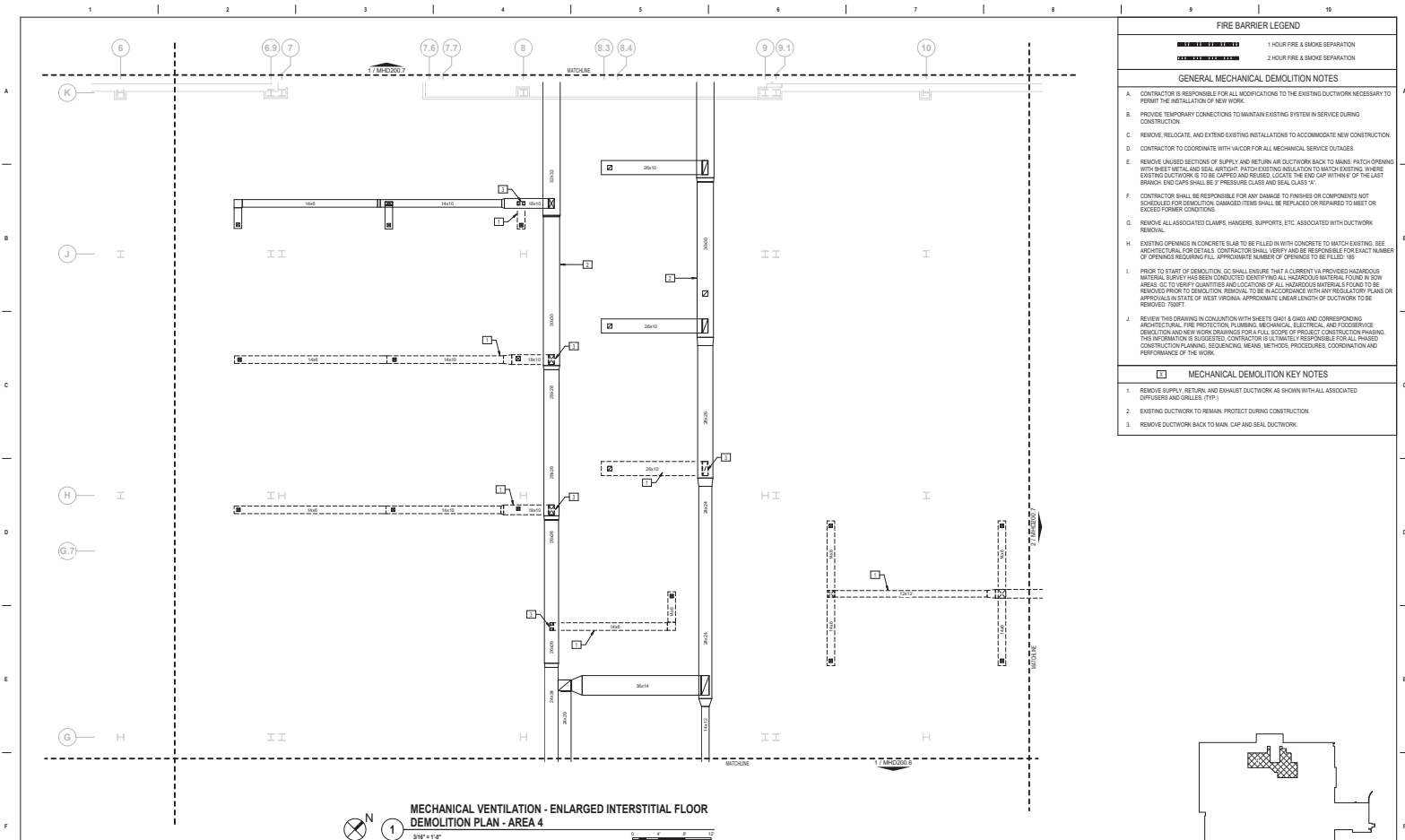
BASEMENT KEY PLAN - AREA 2

NOT TO SCALE

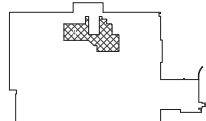
VA CONTRACT NO: 36C24519C0171

CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		Office of Construction and Facilities Management		U.S. Department of Veterans Affairs		100% CONSTRUCTION DOCUMENTS		FULLY SPRINKLERED		RENOVATE/UPGRADE NUTRITION & FOOD SERVICE KITCHEN		813-19-103	
Bancroft Architects + Engineers		Bancroft Architects + Engineers		702 Nicholas Blvd, Suite 300 8th Floor, Washington, D.C. 20007 T: 202.762.1000 F: 202.762.1001 www.bancrofta.com		Approval: Project Director		Project Title: MECHANICAL VENTILATION - ENLARGED INTERSTITIAL FLOOR DEMOLITION PLAN - AREA 2		Phase: 100% CONSTRUCTION DOCUMENTS		Location: MARTINSBURG VA MEDICAL CENTER		Building Number: 500		Drawing Number: MHD200.2	
100% CONSTRUCTION DOCUMENTS SUBMISSION		07/23/2021		07/23/2021		07/23/2021		07/23/2021		07/23/2021		07/23/2021		07/23/2021		07/23/2021	
90% CONSTRUCTION DOCUMENTS SUBMISSION		07/23/2021		07/23/2021		07/23/2021		07/23/2021		07/23/2021		07/23/2021		07/23/2021		07/23/2021	
80% DESIGN DEVELOPMENT		07/23/2021		07/23/2021		07/23/2021		07/23/2021		07/23/2021		07/23/2021		07/23/2021		07/23/2021	
Revisions:		Date:		Date:		Date:		Date:		Date:		Date:		Date:		Date:	





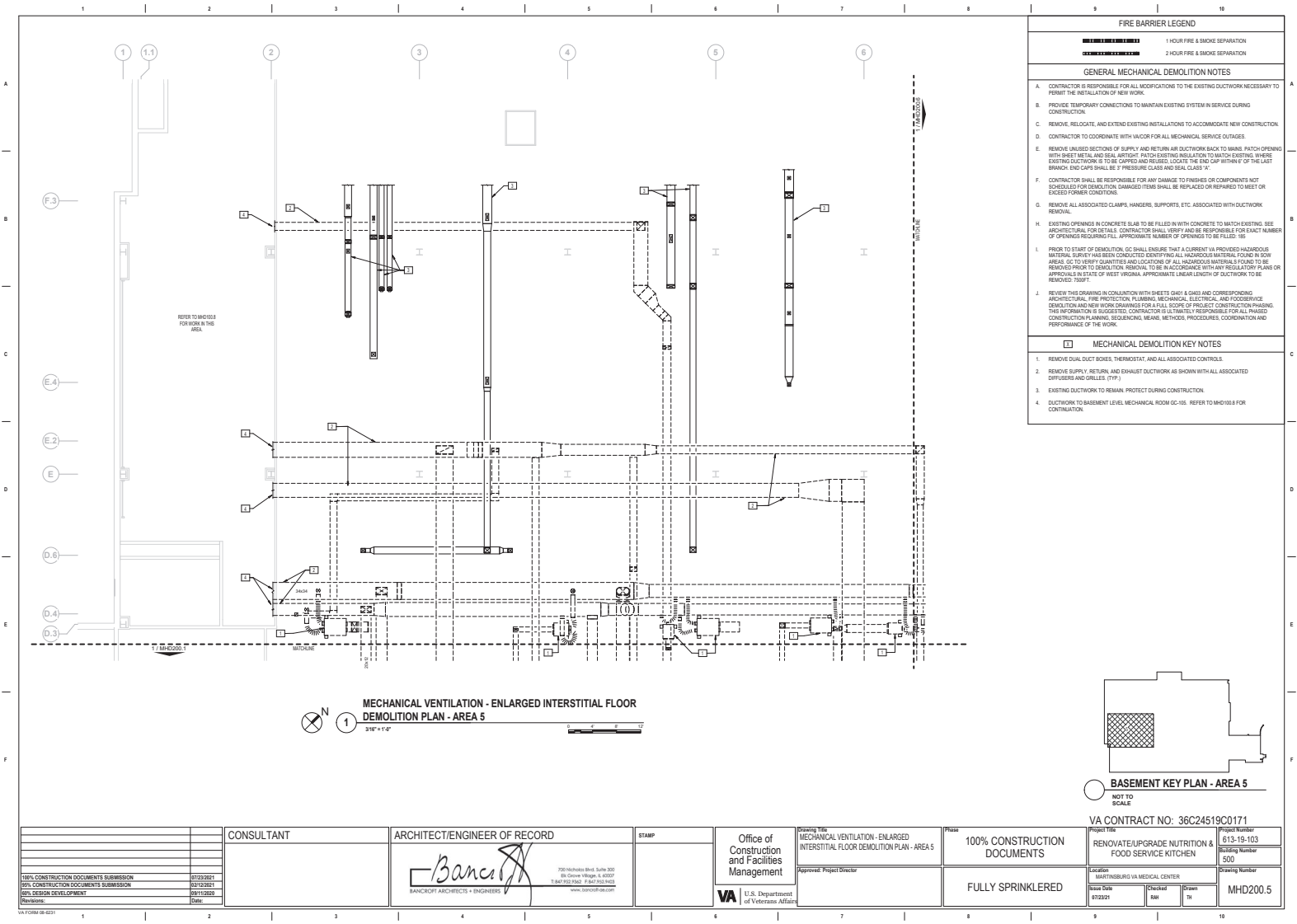
FIRE BARRIER LEGEND	
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MECHANICAL DEMOLITION KEY NOTES	
1. REMOVE SUPPLY, RETURN, AND EXHAUST DUCTWORK AS SHOWN WITH ALL ASSOCIATED DIFFUSERS AND GRILLES (DPF).	
2. EXISTING DUCTWORK TO REMAIN. PROTECT DURING CONSTRUCTION.	
3. REMOVE DUCTWORK BACK TO MAIN. CAP AND SEAL DUCTWORK.	

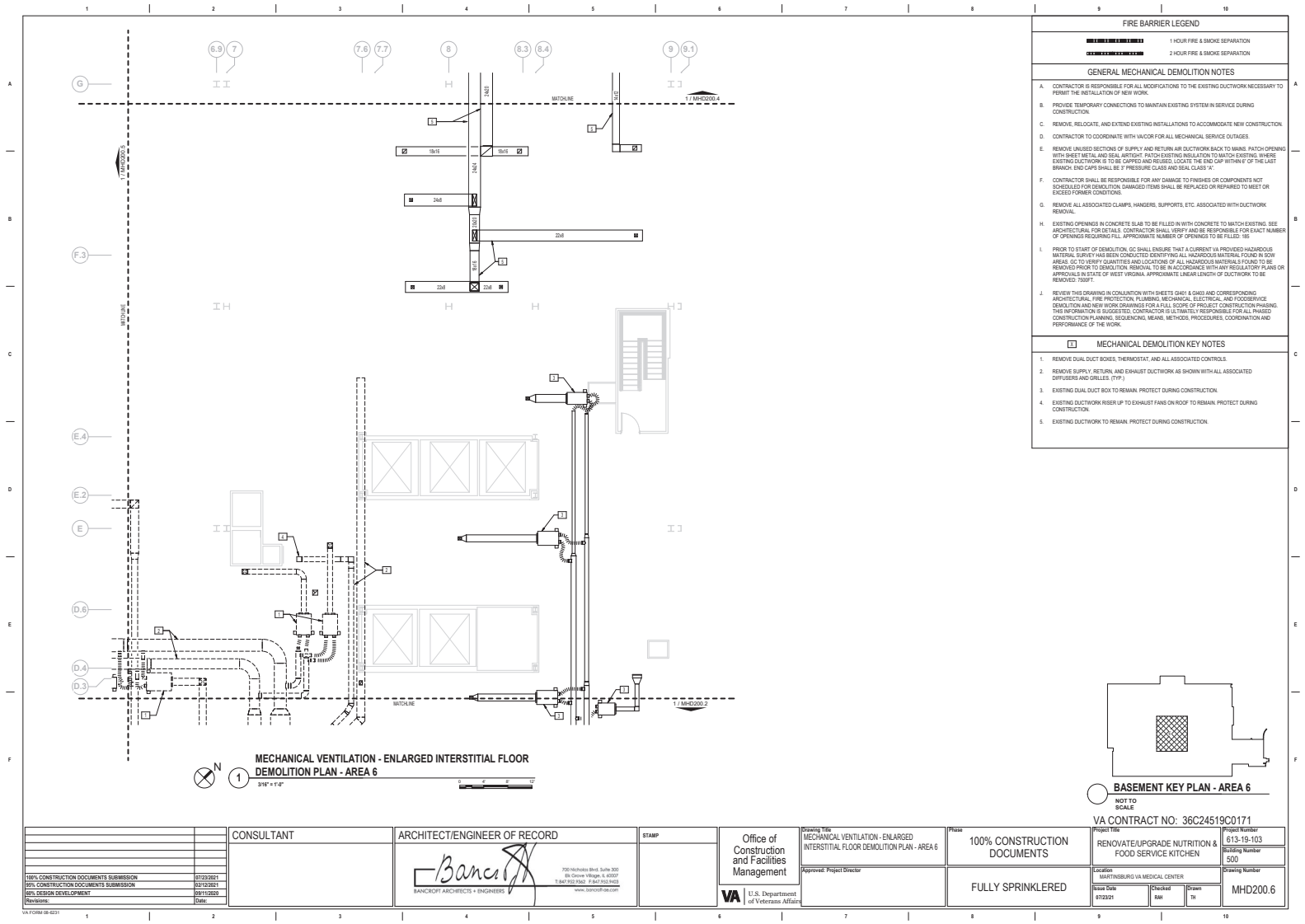


BASEMENT KEY PLAN - AREA 4
NOT TO SCALE

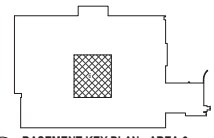
VA CONTRACT NO: 36C24519C01711

CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		Office of Construction and Facilities Management		U.S. Department of Veterans Affairs		100% CONSTRUCTION DOCUMENTS		FULLY SPRINKLERED		RENOVATE/UPGRADE NUTRITION & FOOD SERVICE KITCHEN		Location: MARTINSBURG VA MEDICAL CENTER		Building Number: 500		Drawing Number: MHD200.4	
100% CONSTRUCTION DOCUMENTS SUBMISSION		07/23/2021		07/23/2021		07/23/2021		07/23/2021		07/23/2021		07/23/2021		07/23/2021		07/23/2021		07/23/2021		07/23/2021	
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80% DESIGN DEVELOPMENT		07/23/2021		07/23/2021		07/23/2021		07/23/2021		07/23/2021		07/23/2021		07/23/2021		07/23/2021		07/23/2021		07/23/2021	
Revisions:		Date:		Date:		Date:		Date:		Date:		Date:		Date:		Date:		Date:		Date:	





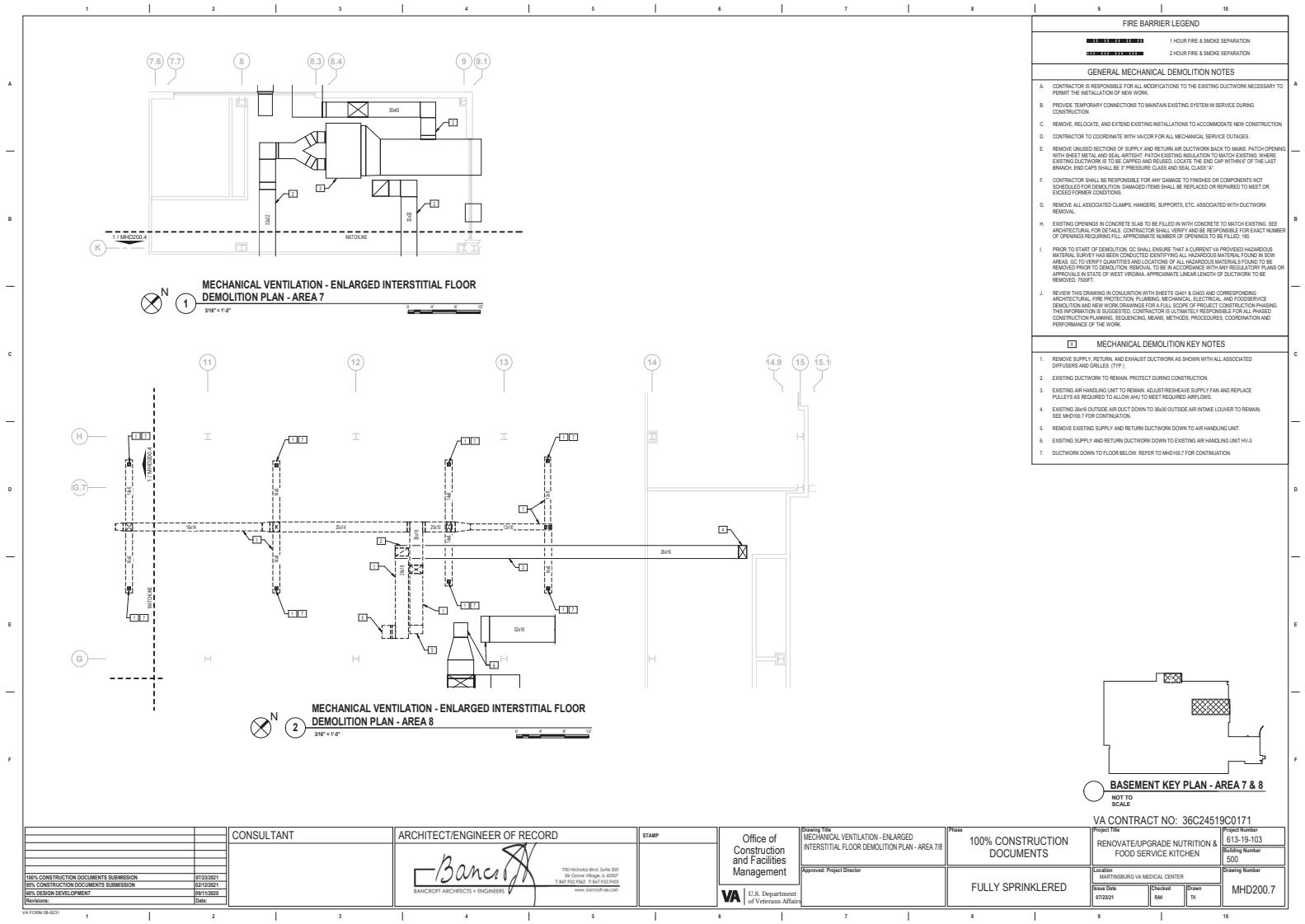
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J. REVIEW THE DRAWING IN COLLABORATION WITH BRISTE GRAY & ASSOC. AND CORRESPONDING ARCHITECTURAL, FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL, AND FOODSERVICE INSTALLATION AND NEW WORK DRAWINGS FOR A FULL SCOPE OF PROJECT. CONSULTING ENGINEERING THIS INFORMATION IS SUGGESTED. CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR ALL PHASED CONSTRUCTION PLANNING, SCHEDULING, MEANS, METHOD, PROCEDURE, COORDINATION AND PERFORMANCE OF THE WORK.	
MECHANICAL DEMOLITION KEY NOTES	
1. REMOVE DUAL DUCT BOXES, THERMOSTAT, AND ALL ASSOCIATED CONTROLS.	
2. REMOVE SUPPLY, RETURN, AND EXHAUST DUCTWORK AS SHOWN WITH ALL ASSOCIATED DIFFUSERS AND GRILLES (TYP.).	
3. EXISTING DUAL DUCT BOX TO REMAIN. PROTECT DURING CONSTRUCTION.	
4. EXISTING DUCTWORK RISER UP TO EXHAUST FAN ON ROOF TO REMAIN. PROTECT DURING CONSTRUCTION.	
5. EXISTING DUCTWORK TO REMAIN. PROTECT DURING CONSTRUCTION.	



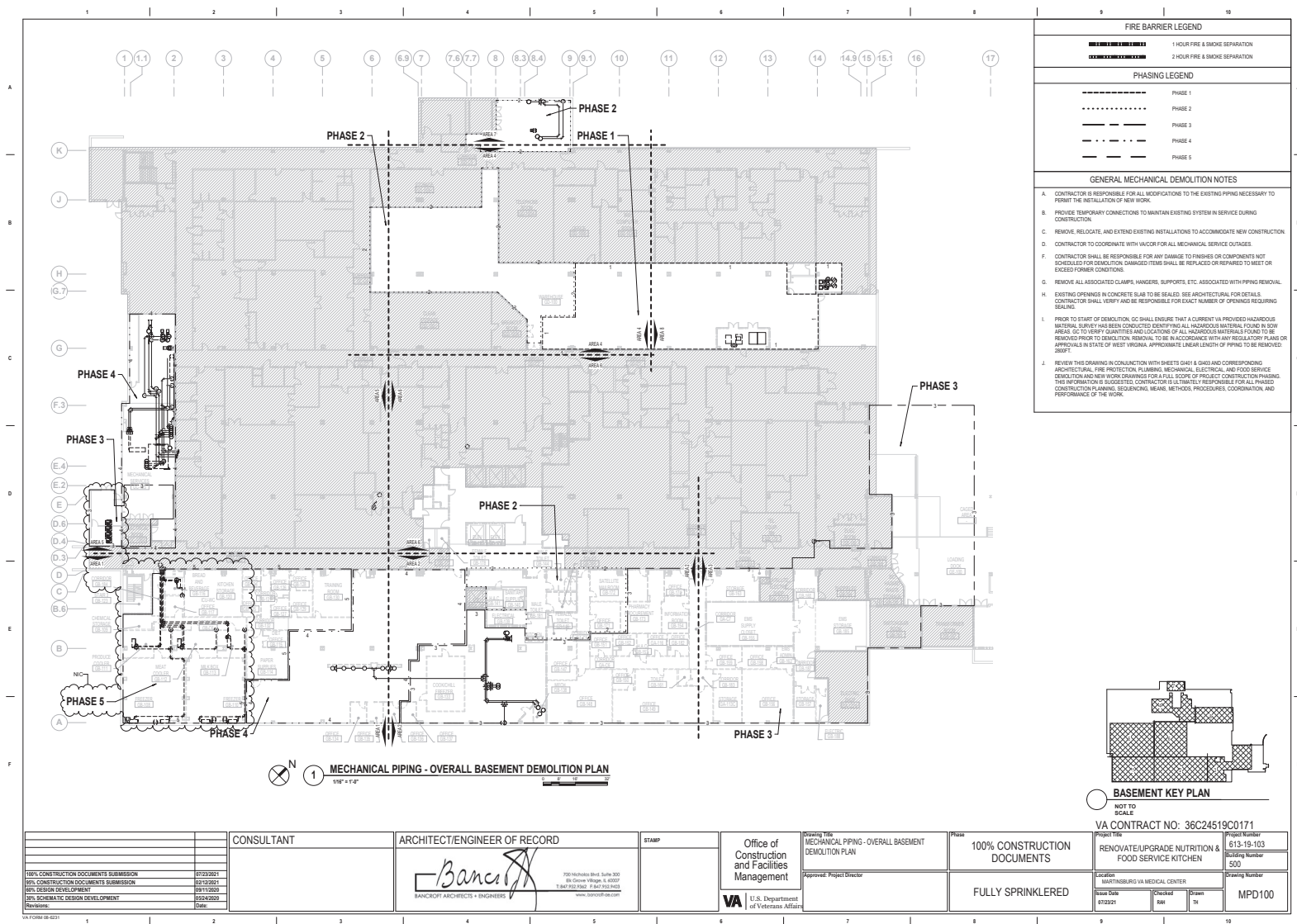
BASEMENT KEY PLAN - AREA 6
NOT TO SCALE

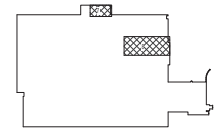
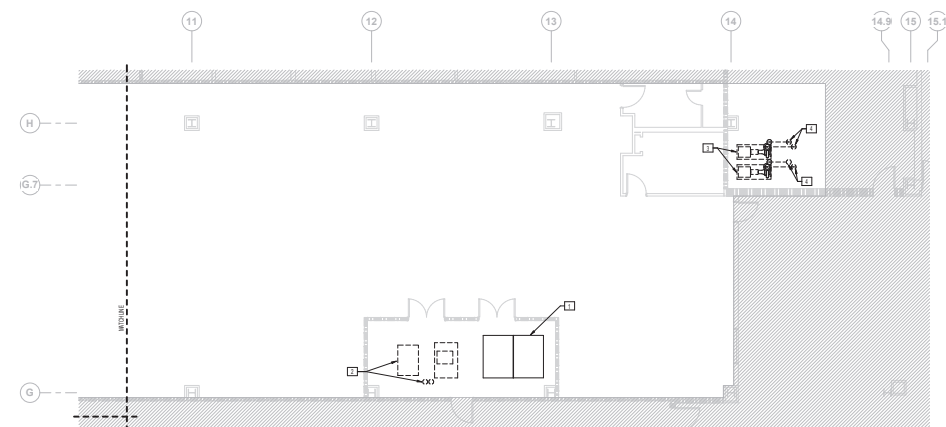
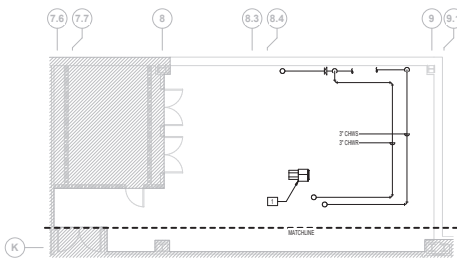
VA CONTRACT NO: 36C24519C0171

CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		Office of Construction and Facilities Management		100% CONSTRUCTION DOCUMENTS		RENOVATE/UPGRADE NUTRITION & FOOD SERVICE KITCHEN	
100% CONSTRUCTION DOCUMENTS SUBMISSION		07/23/2021		07/23/2021		Approved: Project Director		FULLY SPRINKLERED		Location: MARTINSBURG VA MEDICAL CENTER	
90% CONSTRUCTION DOCUMENTS SUBMISSION		07/23/2021		07/23/2021		U.S. Department of Veterans Affairs				Project Number: 613-19-103	
80% DESIGN DEVELOPMENT		09/11/2020		09/11/2020						Building Number: 500	
Revisions:		Date:								Drawing Number: MHD200.6	




CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		Office of Construction and Facilities Management		100% CONSTRUCTION DOCUMENTS		VA CONTRACT NO: 36C24519C0171	
100% CONSTRUCTION DOCUMENTS SUBMISSION		6/23/2021		6/23/2021		Approval: Project Director		FULLY SPRINKLERED		RENOVATE/UPGRADE NUTRITION & FOOD SERVICE KITCHEN	
90% CONSTRUCTION DOCUMENTS SUBMISSION		6/23/2021		6/23/2021		U.S. Department of Veterans Affairs		FULLY SPRINKLERED		MARTINSBURG VA MEDICAL CENTER	
80% DESIGN DEVELOPMENT		6/23/2021		6/23/2021		www.bancroft-engineers.com		FULLY SPRINKLERED		Bldg Number 500	
Revisions:		Date:		Date:		BANCROFT ARCHITECTS & ENGINEERS		FULLY SPRINKLERED		Drawing Number MHD200.7	






FIRE BARRIER LEGEND



1 HOUR FIRE & SMOKE SEPARATION



2 HOUR FIRE & SMOKE SEPARATION


GENERAL MECHANICAL DEMOLITION NOTES

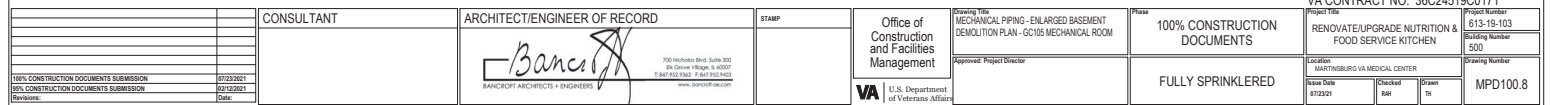
- A. CONTRACTOR IS RESPONSIBLE FOR ALL MODIFICATIONS TO THE EXISTING PIPING NECESSARY TO PERMIT THE INSTALLATION OF NEW WORK.
- B. PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION.
- C. REMOVE, RELOCATE, AND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION.
- D. CONTRACTOR TO COORDINATE WITH VA FOR ALL MECHANICAL SERVICE OUTAGES.
- E. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO FINISHES OR COMPONENTS NOT IDENTIFIED BY DEMOLITION CHARGES/ITEMS THAT WILL BE REPLACED OR REPAIRED TO MEET EXISTING FORMER CONDITIONS.
- F. REMOVE ALL ASSOCIATED CABLES, HANGERS, SUPPORTS, ETC. ASSOCIATIONS WITH PERFORMING DEMOLITION.
- G. EXISTING REMAINS OF CONCRETE SLAB TO BE SEALED. SEE ARCHITECTURE FOR PORTLANDS.
- H. EXISTING REMAINS SHALL VERIFY AND BE REMOVED TO THE DEPT. OF CRIMINAL RECORDS RECORDING.

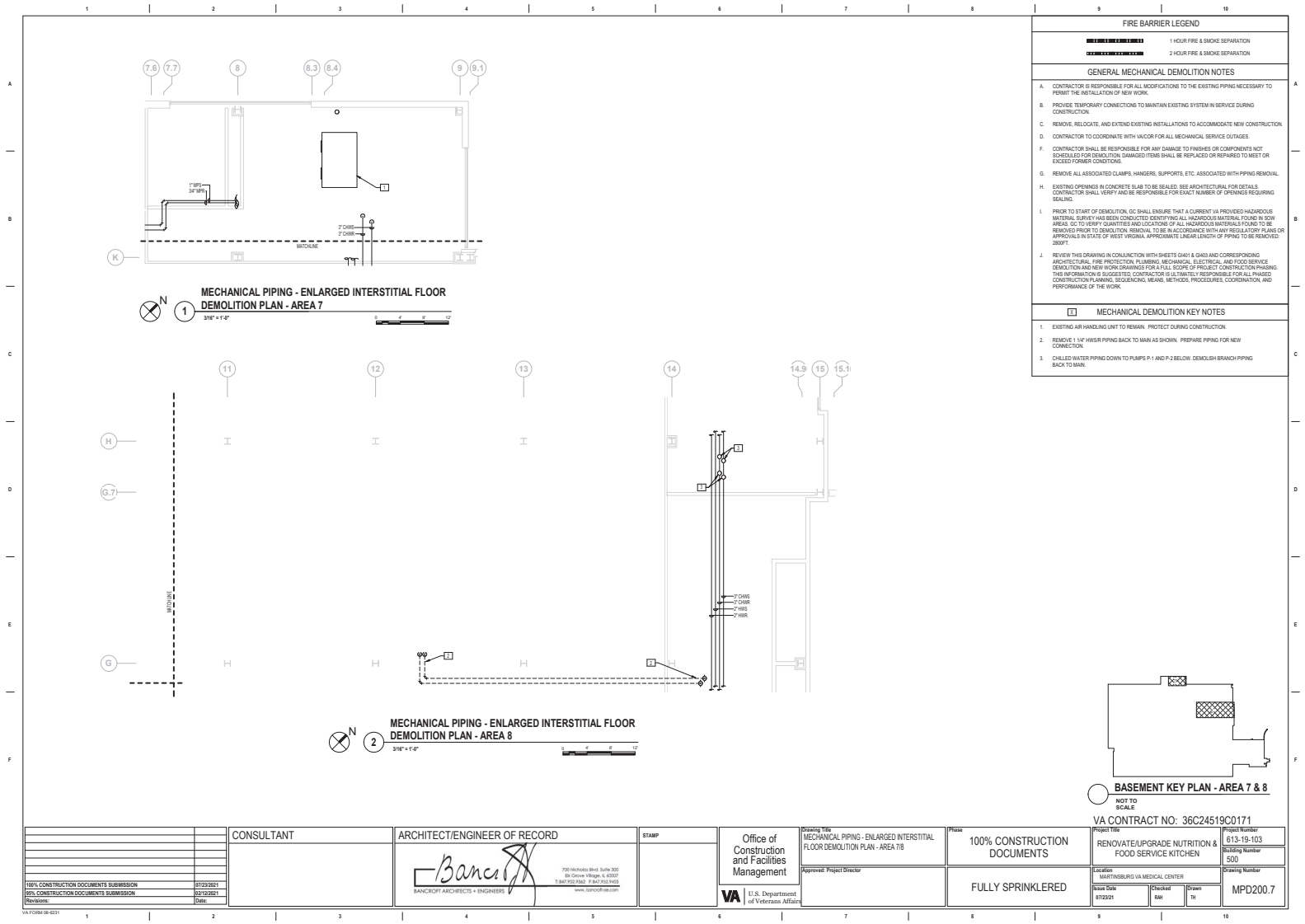
1. PRIOR TO START OF DEMOLITION, GC SHALL ENSURE THAT A CURRENT VA PROVIDED HAZARDOUS MATERIAL SURVEY HAS BEEN CONDUCTED IDENTIFYING ALL HAZARDOUS MATERIALS, FOUND IN DOW AREA, GC TO VERIFY QUANTITIES AND LOCATIONS OF ALL HAZARDOUS MATERIALS FOUND TO BE REMOVED PRIOR TO DEMOLITION. REMOVAL TO BE IN ACCORDANCE WITH ANY REGULATORY PLANS OR APPROVALS IN STATE OF WEST VIRGINIA. APPROXIMATE LINE/LENGTH OF PIPING TO BE REMOVED: 3000'.
 2. REVIEW THIS DRAWING IN CONJUNCTION WITH SHEETS 04-1 & 04-2 AND CORRESPONDING DEMOLITION AND NEW WORK DRAWINGS FOR ALL DETAILS, MATERIALS, AND FOOD SERVICE EQUIPMENT AND NEW WORK DRAWINGS FOR ALL DETAILS, MATERIALS, AND FOOD SERVICE EQUIPMENT. GC SHALL BE RESPONSIBLE FOR VERIFYING ALL DEMOLITION AND NEW WORK DRAWINGS FOR ALL DETAILS, MATERIALS, AND FOOD SERVICE EQUIPMENT. GC SHALL BE RESPONSIBLE FOR VERIFYING ALL DEMOLITION AND NEW WORK DRAWINGS FOR ALL DETAILS, MATERIALS, AND FOOD SERVICE EQUIPMENT. GC SHALL BE RESPONSIBLE FOR VERIFYING ALL DEMOLITION AND NEW WORK DRAWINGS FOR ALL DETAILS, MATERIALS, AND FOOD SERVICE EQUIPMENT.

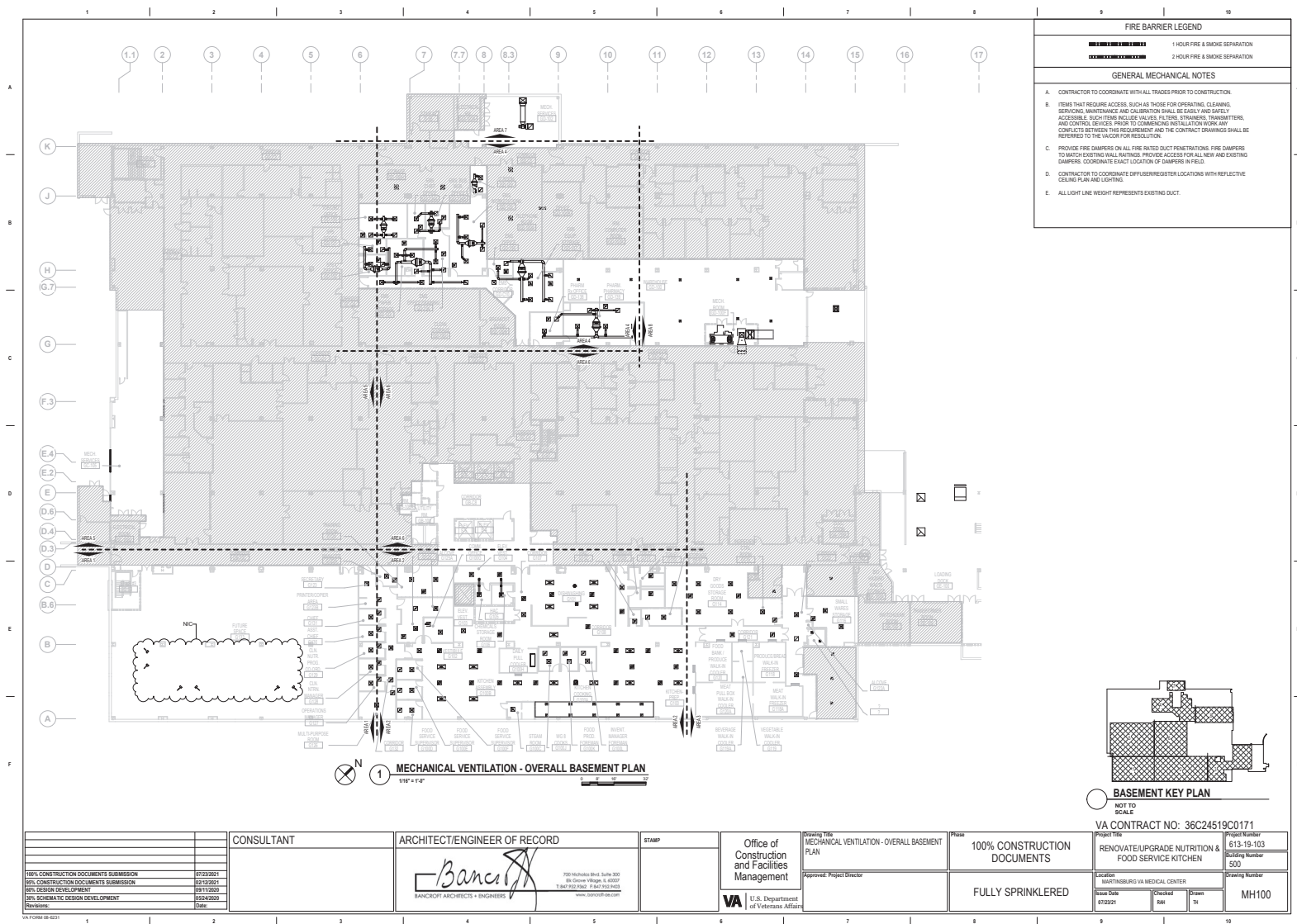
MECHANICAL DEMOLITION KEY NOTES

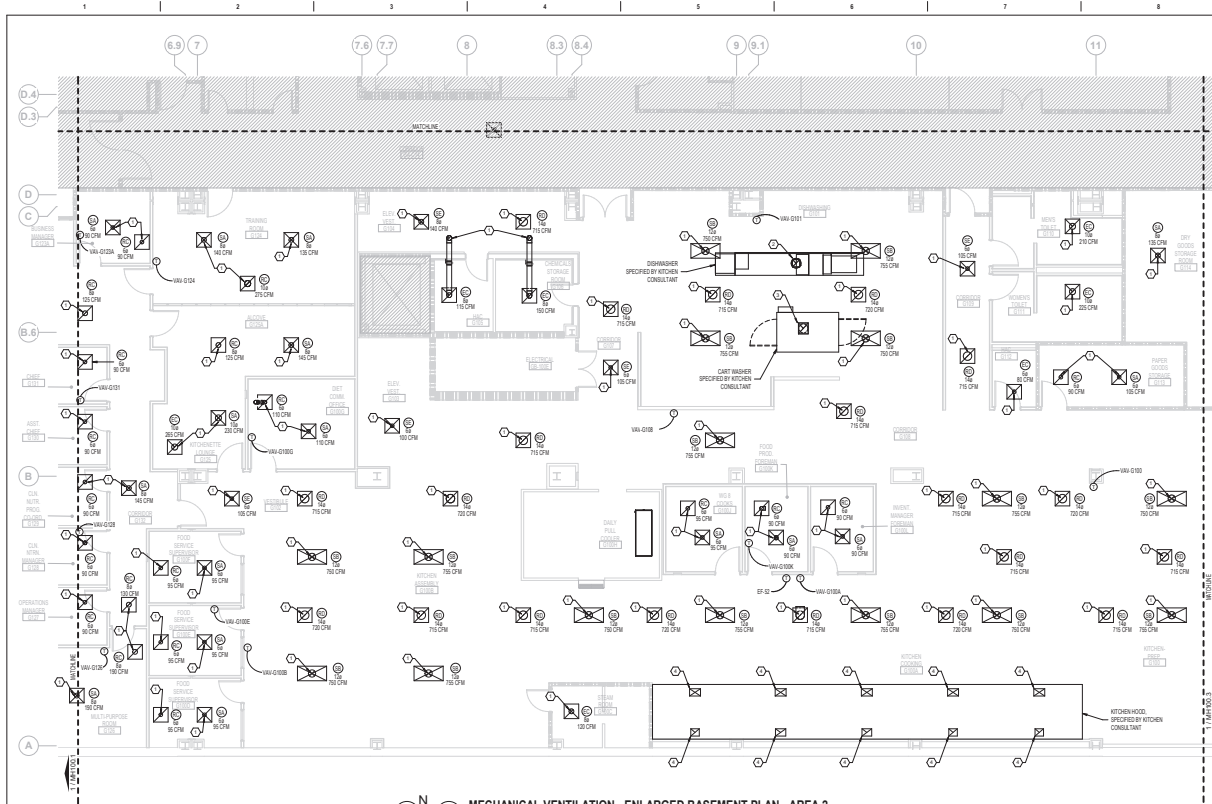
1. EXISTING AIR HANDLING EQUIPMENT TO REMAIN. PROTECT DURING CONSTRUCTION.
2. EXISTING HANGING H2O TO BE REMOVED. REMOVE HOT WATER PIPING TO MAIN LOCATION. IN INTERFERING SPACES, REMOVE H2O TO ROUTE NEW HOT WATER PIPING TO EXISTING H2O PIPING TO MAIN LOCATION. AT PART OF THE EXISTING H2O PIPING TO MAIN LOCATION.
3. EXISTING CHILLED WATER PIPING TO BE REMOVED. REMOVE CHILLED WATER PIPING TO MAIN LOCATION. IN INTERFERING SPACES, REMOVE CHILLED WATER PIPING TO MAIN LOCATION. AT PART OF THE EXISTING CHILLED WATER PIPING TO MAIN LOCATION.
4. EXISTING MECHANICAL EQUIPMENT, CONTROLS, ETC. REMOVE PIPING AND EQUIPMENT FROM ABOVE. REMOVE MECHANICAL EQUIPMENT, CONTROLS, ETC. REMOVE PIPING AND EQUIPMENT FROM ABOVE. REMOVE MECHANICAL EQUIPMENT, CONTROLS, ETC. REMOVE PIPING AND EQUIPMENT FROM ABOVE.
5. CHILLED WATER OUTFAGES WITH INACOR. PROVIDE BRANCH MAIN TO MAIN. PROVIDE BRANCH MAIN TO MAIN.

		CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Drawing Title MECHANICAL PIPING - ENLARGED BASEMENT DEMOLITION PLAN - AREA 718 Approved: Project Director Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs	Phase 100% CONSTRUCTION DOCUMENTS FULLY SPRINKLERED	Project Number 613-18-103 Building Number 500 Drawing Number MPD100.7	
100% CONSTRUCTION DOCUMENTS SUBMISSION 07/12/2021 10% CONSTRUCTION DOCUMENTS SUBMISSION 03/12/2021 Revisions: _____ Date: _____		 750 Nicholas Blvd., Suite 300 8th Green Village, A-6027 T. 847.752.5240 F. 847.752.5423 www.bankcity-ae.com			Project Name RENOVATE/UPGRADE NUTRITION & FOOD SERVICE KITCHEN Location MARTINSBURG VA MEDICAL CENTER Issue Date 8/12/2021 Checked Date Cn			



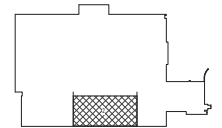






1 MECHANICAL VENTILATION - ENLARGED BASEMENT PLAN - AREA 2
3/16" = 1'-0"

FIRE BARRIER LEGEND	
	1 HOUR FIRE & SMOKE SEPARATION
	2 HOUR FIRE & SMOKE SEPARATION
GENERAL MECHANICAL NOTES	
A. CONTRACTOR TO COORDINATE WITH ALL TRADES PRIOR TO CONSTRUCTION.	
B. ITEMS THAT REQUIRE ACCESS, SUCH AS THOSE FOR OPERATING, CLEANING, SERVICING, MAINTENANCE AND CALIBRATION SHALL BE EASILY AND SAFELY ACCESSIBLE. SUCH ITEMS INCLUDE VALVES, FILTERS, STRAINERS, TRANSMITTERS, AND CONTROL DEVICES. PRIOR TO COMMENCING INSTALLATION WORK ANY CONFLICTS BETWEEN THIS REQUIREMENT AND THE CONTRACT DRAWINGS SHALL BE REPORTED TO THE ARCHITECT FOR RESOLUTION.	
C. PROVIDE FIRE DAMPERS ON ALL FIRE RATED DUCT PENETRATIONS. FIRE DAMPERS TO MATCH EXISTING WALL RATINGS. PROVIDE ACCESS FOR ALL NEW AND EXISTING DAMPERS. COORDINATE EXACT LOCATION OF DAMPERS IN FIELD.	
D. CONTRACTOR TO COORDINATE OFFUSER/REGISTER LOCATIONS WITH REFLECTIVE CEILING PLAN AND LIGHTING.	
E. ALL LIGHT LINE WEIGHT REPRESENTS EXISTING DUCT.	
MECHANICAL KEY NOTES	
1. DUCT WITH SIZE MATCHING INDICATED NECK SIZE UP TO INTERSTITIAL SPACE. REFER TO SHEET 2 FOR CONTINUATION. (TYP.)	
2. 15% UP FROM GROSSHEAR (SPECIFIED BY KITCHEN CONSULTANT) TO EXISTING EXHAUST RISER IN INTERSTITIAL.	
3. 15% UP FROM GROSSHEAR (SPECIFIED BY KITCHEN CONSULTANT) TO EXISTING EXHAUST RISER IN INTERSTITIAL.	
4. PROVIDE ALL NECESSARY TRANSITIONS TO CONNECT DUCTWORK TO EXHAUST HOOD. COORDINATE WITH KITCHEN CONTRACTOR FOR SIZE AND INSTALLATION PROCEDURES.	
5. INSTALL KITCHEN EXHAUST HOOD PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. REFER TO KITCHEN CONSULTANT DRAWINGS FOR MORE DETAILS.	
6. PROVIDE TEMPERATURE SENSOR PER HALTON DESIGN/DRAWINGS FOR CONTROLLING KITCHEN HOOD EQUIPMENT. REFER TO KITCHEN CONSULTANT DRAWINGS FOR MORE INFORMATION.	

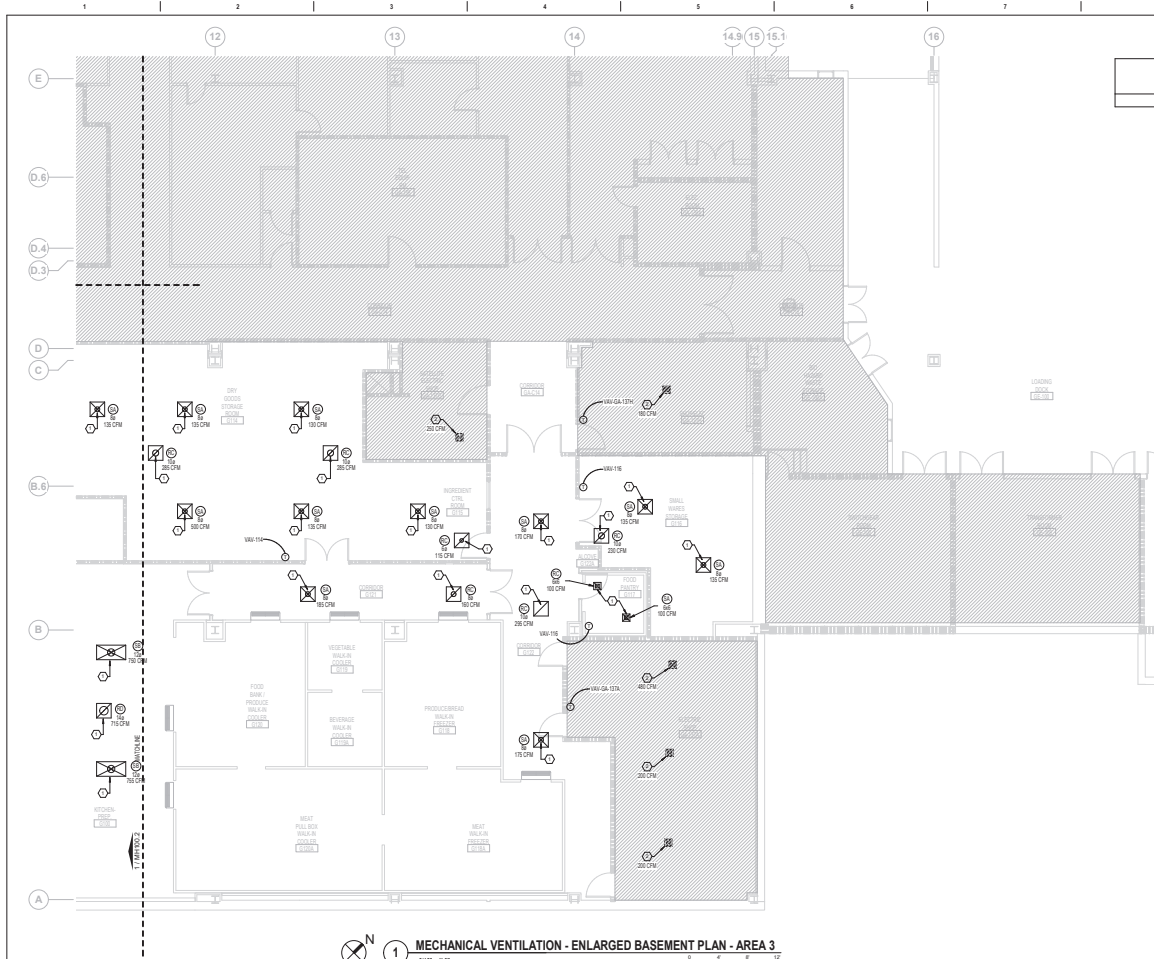


BASEMENT KEY PLAN - AREA 2

NOT TO SCALE

VA CONTRACT NO: 36C24519C01711

CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		Office of Construction and Facilities Management		Project Title: MECHANICAL VENTILATION - ENLARGED BASEMENT PLAN - AREA 2		Phase: 100% CONSTRUCTION DOCUMENTS		Project Number: 613-19-103	
100% CONSTRUCTION DOCUMENTS SUBMISSION		07/23/2021		07/23/2021		Approved: Project Director		Fully Sprinklered		Location: MARTINSBURG VA MEDICAL CENTER		Drawing Number: MH100.2	
50% CONSTRUCTION DOCUMENTS SUBMISSION		07/23/2021		07/23/2021		U.S. Department of Veterans Affairs							
50% DESIGN DEVELOPMENT		07/11/2020		07/11/2020									
Revisions:		Date:											



MECHANICAL VENTILATION - ENLARGED BASEMENT PLAN - AREA 3
3/16" = 1'-0"

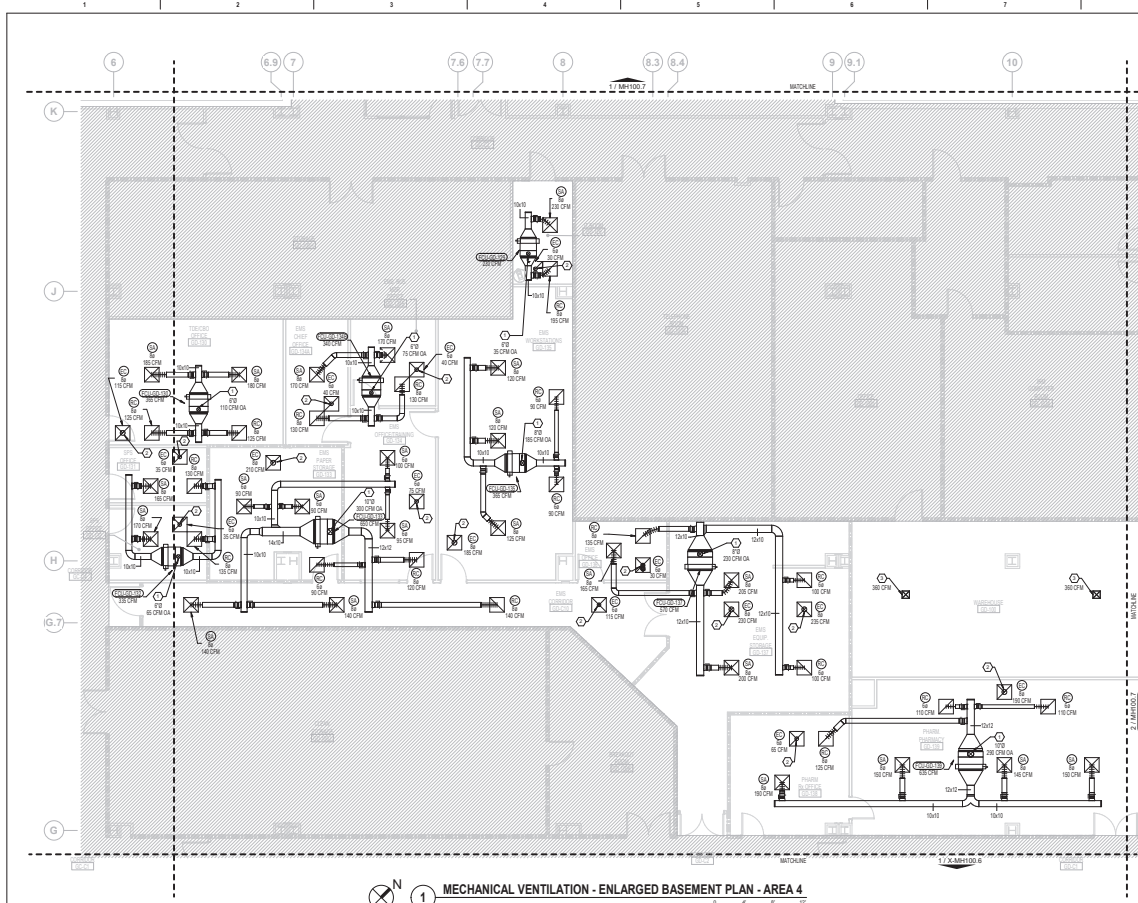
FIRE BARRIER LEGEND	
	1 HOUR FIRE & SMOKE SEPARATION
	2 HOUR FIRE & SMOKE SEPARATION
GENERAL MECHANICAL NOTES	
A. CONTRACTOR TO COORDINATE WITH ALL TRADES PRIOR TO CONSTRUCTION.	
B. ITEMS THAT REQUIRE ACCESS, SUCH AS THOSE FOR OPERATING, CLEANING, SERVICING, MAINTENANCE AND CALIBRATION SHALL BE EASILY AND SAFELY ACCESSIBLE. SUCH ITEMS INCLUDE VALVES, FILTERS, STRAINERS, TRANSDUCERS, AND CONTROL DEVICES. PRIOR TO COMMENCING INSTALLATION WORK ANY CONFLICTS BETWEEN THIS REQUIREMENT AND THE CONTRACT DRAWINGS SHALL BE REPORTED TO THE VA/COR FOR RESOLUTION.	
C. PROVIDE FIRE DAMPERS ON ALL FIRE RATED DUCT PENETRATIONS. FIRE DAMPERS TO MATCH EXISTING WALL RATINGS. PROVIDE ACCESS FOR ALL NEW AND EXISTING DAMPERS. COORDINATE EXACT LOCATION OF DAMPERS IN FIELD.	
D. CONTRACTOR TO COORDINATE OFF/USER REGISTER LOCATIONS WITH REFLECTIVE CEILING PLAN AND LIGHTING.	
E. ALL LIGHT LINE WEIGHT REPRESENTS EXISTING DUCT.	
MECHANICAL KEY NOTES	
1. DUCT WITH SIZE MATCHING INDICATED NECK SIZE UP TO INTERSTITIAL SPACE. REFER TO SMOKE-3 FOR CONTINUATION. (1" P)	
2. EXISTING OFFUSER TO REMAIN. NEW CONNECTION TO BE MADE IN INTERSTITIAL SPACE. REBALANCE TO MATCH AIR FLOW RATE INDICATED ON DRAWINGS.	



BASEMENT KEY PLAN - AREA 3
NOT TO SCALE

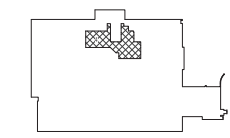
VA CONTRACT NO: 36C24519C01711

CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		Office of Construction and Facilities Management		MECHANICAL VENTILATION - ENLARGED BASEMENT PLAN - AREA 3		100% CONSTRUCTION DOCUMENTS		RENOVATE/UPGRADE NUTRITION & FOOD SERVICE KITCHEN	
100% CONSTRUCTION DOCUMENTS SUBMISSION		07/23/2021		07/23/2021		Approved Project Director		Fully Sprinklered		Location		MARTINSBURG VA MEDICAL CENTER	
90% CONSTRUCTION DOCUMENTS SUBMISSION		07/23/2021		07/23/2021		U.S. Department of Veterans Affairs		Project Number		813-19-103		Building Number	
90% DESIGN DEVELOPMENT		07/23/2021		07/23/2021		VA		Drawing Number		MH100.3		Revision	
Revisions:		Date:		Date:		Date:		Date:		Date:		Date:	




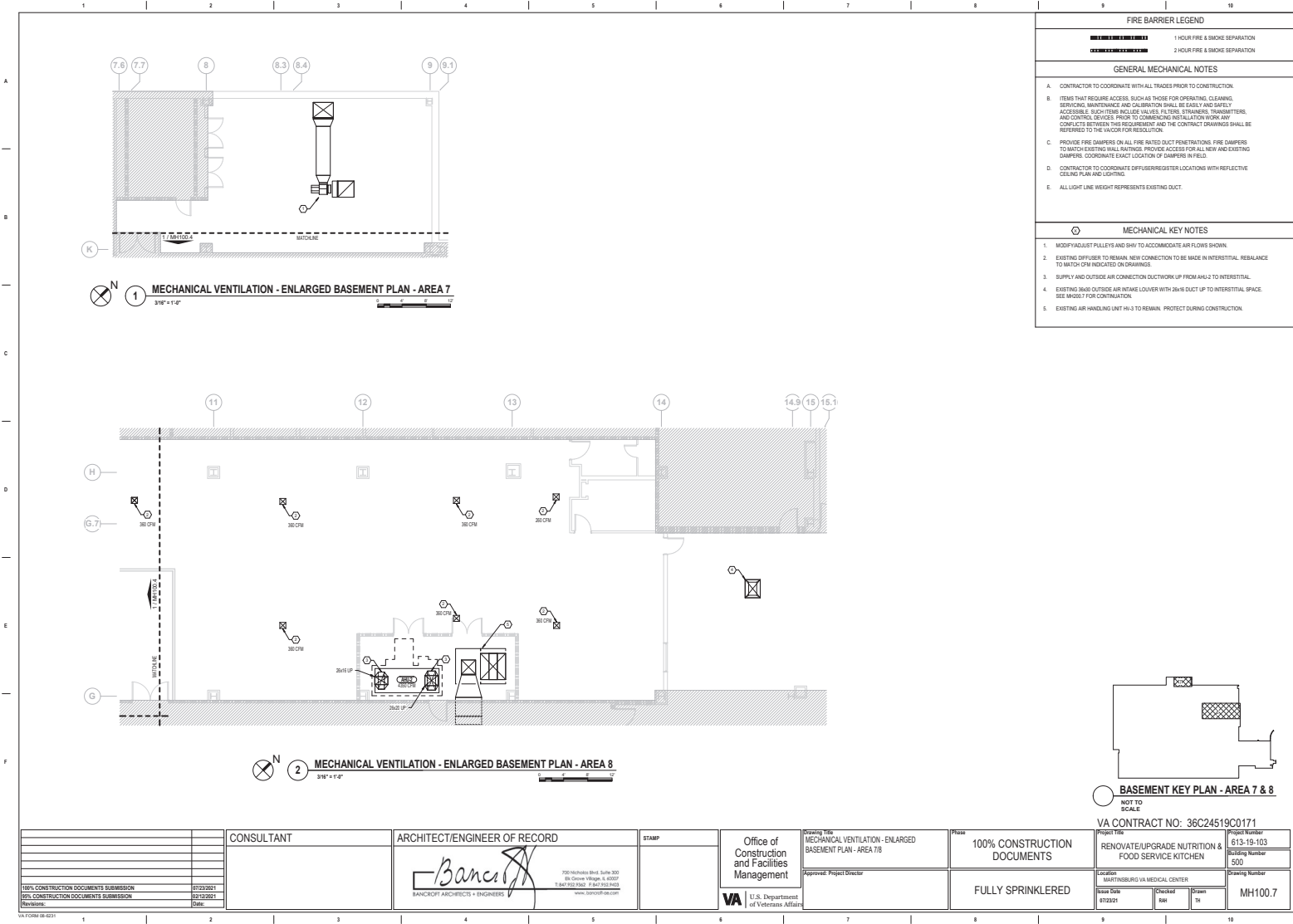
1 MECHANICAL VENTILATION - ENLARGED BASEMENT PLAN - AREA 4
3/16" = 1'-0"

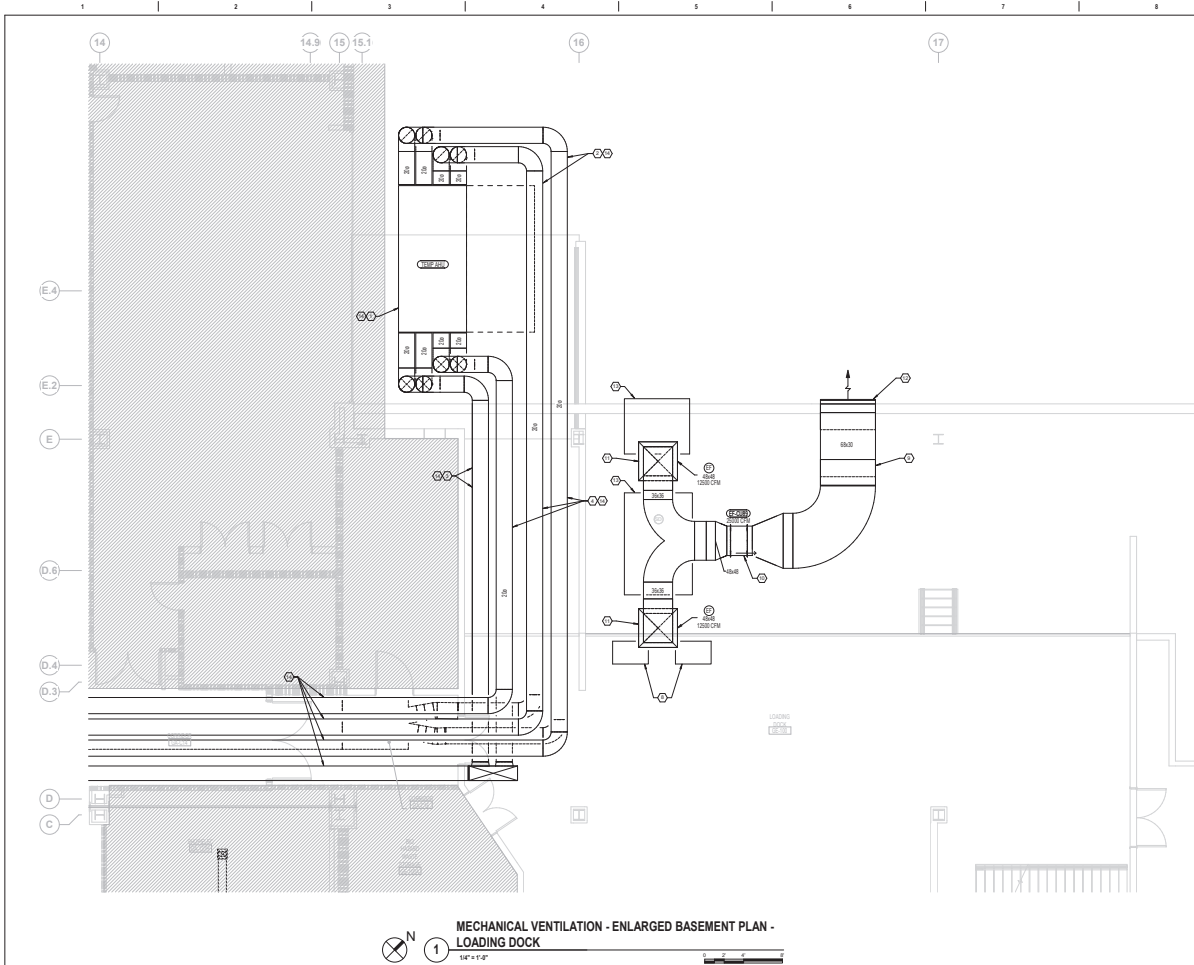
FIRE BARRIER LEGEND	
	1 HOUR FIRE & SMOKE SEPARATION
	2 HOUR FIRE & SMOKE SEPARATION
GENERAL MECHANICAL NOTES	
A. CONTRACTOR TO COORDINATE WITH ALL TRADES PRIOR TO CONSTRUCTION.	
B. ITEMS THAT REQUIRE ACCESS, SUCH AS THOSE FOR OPERATING, CLEANING, SERVICING, MAINTENANCE AND CALIBRATION SHALL BE EASILY AND SAFELY ACCESSIBLE. SUCH ITEMS INCLUDE VALVES, FILTERS, STRAINERS, TRANSDUCERS, AND CONTROL DEVICES. PRIOR TO COMMENCING INSTALLATION WORK ANY CONFLICTS BETWEEN THIS REQUIREMENT AND THE CONTRACT DRAWINGS SHALL BE REFERRED TO THE VA COR FOR RESOLUTION.	
C. PROVIDE FIRE DAMPERS ON ALL FIRE RATED DUCT PENETRATIONS. FIRE DAMPERS TO MATCH EXISTING WALL RATINGS. PROVIDE ACCESS FOR ALL NEW AND EXISTING DAMPERS. COORDINATE EXACT LOCATION OF DAMPERS IN FIELD.	
D. CONTRACTOR TO COORDINATE DIFFUSER/REGISTER LOCATIONS WITH REFLECTIVE CEILING PLAN AND LIGHTING.	
E. ALL LIGHT LINE WEIGHT REPRESENTS EXISTING DUCT.	
MECHANICAL KEY NOTES	
1. OA DUCT WITH INDICATED SIZE AND AIR FLOW UP TO INTERSTITIAL SPACE. REFER TO SHEET 4 FOR CONTINUATION.	
2. DUCT WITH RISER MATCHING INDICATED NECK SIZE UP TO INTERSTITIAL SPACE. REFER TO SHEET 4 FOR CONTINUATION (TYP.)	
3. EXISTING DIFFUSER TO REMAIN, NEW CONNECTION TO BE MADE IN INTERSTITIAL SPACE. REBALANCE TO MATCH AIR FLOW RATE INDICATED ON DRAWINGS.	



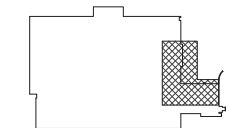
BASEMENT KEY PLAN - AREA 4
NOT TO SCALE

																VA CONTRACT NO: 36C24519C01711	
		CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		Office of Construction and Facilities Management		Drawing Title MECHANICAL VENTILATION - ENLARGED BASEMENT PLAN - AREA 4		Phase 100% CONSTRUCTION DOCUMENTS		Project Name RENOVATE/UPGRADE NUTRITION & FOOD SERVICE KITCHEN		Project Number 613-19-103	
										Approved: Project Director				Location WARTENBURG VA MEDICAL CENTER		Drawing Number MH100.4	
				BANCA ARCHITECTS & ENGINEERS								FULLY SPRINKLERED					
100% CONSTRUCTION DOCUMENTS SUBMISSION		07/23/2021		700 Nicholas Blvd, Suite 300 9th Floor Village, # 4007 Tomball, TX 77375 www.bancaarch.com													
50% CONSTRUCTION DOCUMENTS SUBMISSION		07/23/2021															
50% SCHEMATIC DESIGN DEVELOPMENT		05/24/2020															
Revisions:		Date:															



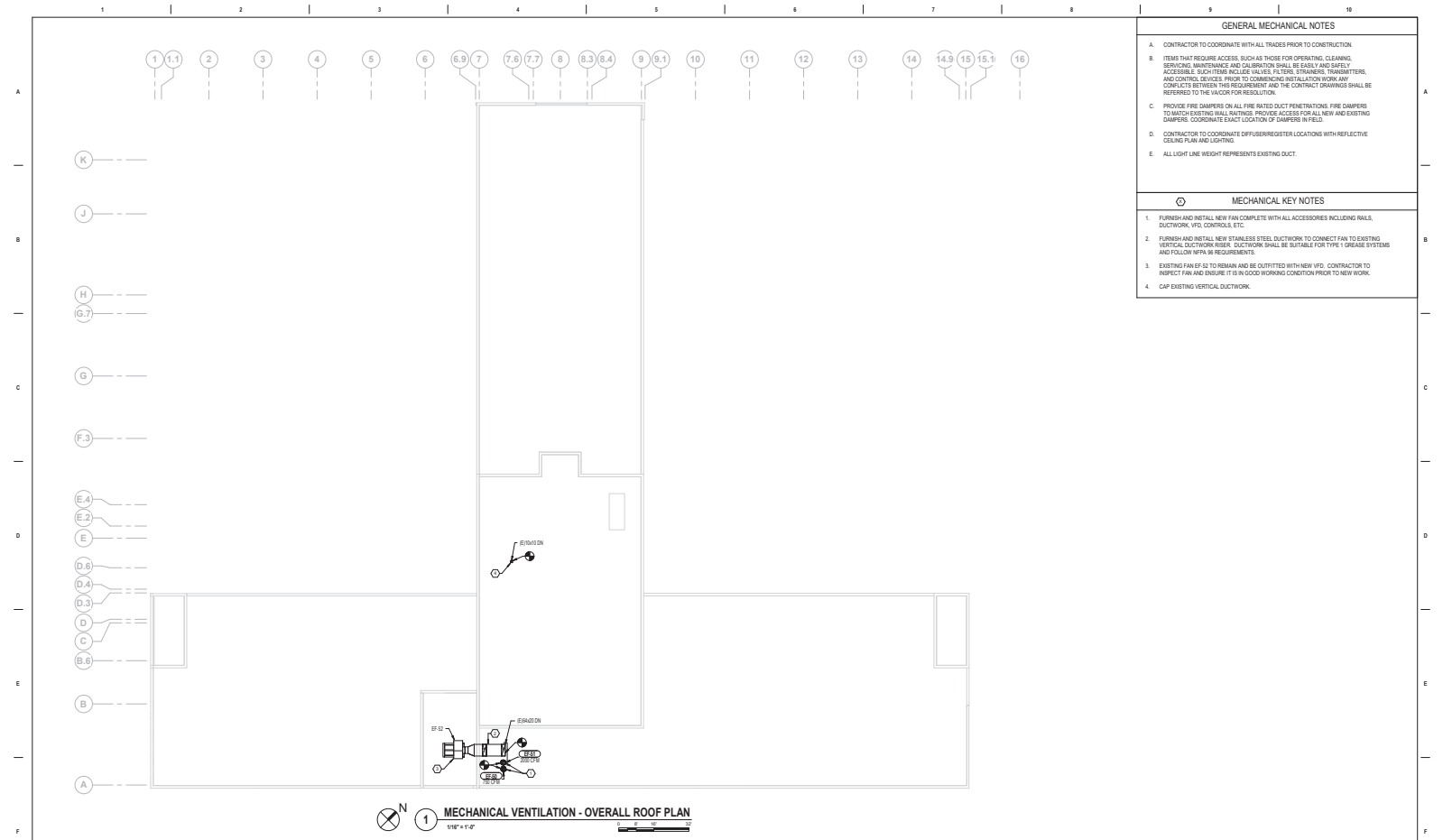


FIRE BARRIER LEGEND	
	1 HOUR FIRE & SMOKE SEPARATION
	2 HOUR FIRE & SMOKE SEPARATION
GENERAL MECHANICAL NOTES	
A. CONTRACTOR TO COORDINATE WITH ALL TRADES PRIOR TO CONSTRUCTION.	
B. ITEMS THAT REQUIRE ACCESS, SUCH AS THOSE FOR OPERATING, CLEANING, SERVICING, MAINTENANCE AND CALIBRATION SHALL BE EASILY AND SAFELY ACCESSIBLE. SUCH ITEMS INCLUDE VALVES, FILTERS, STRAINERS, TRANSMITTERS, AND CONTROL DEVICES. PRIOR TO COMMENCING INSTALLATION WORK ANY CONFLICTS BETWEEN THIS REQUIREMENT AND THE CONTRACT DRAWINGS SHALL BE REPORTED TO THE ARCHITECT FOR RESOLUTION.	
C. PROVIDE FIRE DAMPERS ON ALL FIRE RATED DUCT PENETRATIONS. FIRE DAMPERS TO MATCH EXISTING WALL RATINGS. PROVIDE ACCESS FOR ALL NEW AND EXISTING DAMPERS. COORDINATE EXACT LOCATION OF DAMPERS IN FIELD.	
D. CONTRACTOR TO COORDINATE OFFUSER/REGISTER LOCATIONS WITH REFLECTIVE CEILING PLAN AND LIGHTING.	
E. ALL LIGHT LINE WEIGHT REPRESENTS EXISTING DUCT.	
MECHANICAL KEY NOTES	
1. TEMPORARY AHU TO BE LOCATED ON EXISTING RAMP NEAR BUILDING 500 EXTERIOR WALL. CONCRETE DEMOLITION MAY BE REQUIRED TO FLATTEN AREA BEFORE AHU CAN BE INSTALLED.	
2. TWO 270° ELBOWS REQUIRED TO ROUTE DUCTWORK INTO INTERSTITIAL SPACE.	
3. DUCT PENETRATION THROUGH LOADING DOCK CEILING.	
4. TWO VERTICALLY STACKED DUCTS TO BE ROUTED BELOW LOADING DOCK CEILING. RUN DUCTWORK AS TIGHT TO CEILING AS POSSIBLE. ORIENTATION OF DUCTS SHALL BE ADJUSTED BASED ON FIELD CONDITIONS.	
5. TWO VERTICALLY STACKED DUCTS TO BE ROUTED INTO INTERSTITIAL SPACE AT THIS POINT.	
6. DUCTWORK TO BE ROUTED THROUGH INTERSTITIAL SPACE TO SPECIFIED TEMPORARY TIE LOCATION ON IMAGE 2. EXACT ROUTE TO BE DETERMINED BASED ON FIELD CONDITIONS.	
7. ROUTE DUCTWORK BELOW CEILING AT BASEMENT LEVEL TO SUITABLE LOCATION FOR PENETRATION INTO INTERSTITIAL SPACE.	
8. CU-50 AND CU-51 SERVE FOOD SERVICE EQUIPMENT RISER AND ROLL-IN BLAST FREEZERS, RESPECTIVELY. LOCATED IN 0100 KITCHEN PREP. REFER TO KITCHEN CONSULTANT DRAWINGS FOR ADDITIONAL INFORMATION.	
9. DROP EXHAUST DUCTWORK DOWN BELOW CEILING AND ROUTE EXPOSED. PROVIDE ALL HANGERS AND SUPPORTS AS NECESSARY TO FACILITATE DESIGN.	
10. EXHAUST FAN AND ASSOCIATED DUCTWORK INSTALLED ABOVE LOADING DOCK CEILING. PROVIDE ALL SUPPORTS NECESSARY TO FACILITATE DESIGN.	
11. EXHAUST ORIFICE OF INDICATED SIZE INSTALLED IN LOADING DOCK CEILING.	
12. PROVIDE BIRDSCREEN ON OPEN ENDED EXPOSED EXHAUST DUCTWORK.	
13. CU-50 AND CU-51 SERVE WALK-IN COOLERS/FREEZERS LOCATED IN KITCHEN. REFER TO KITCHEN CONSULTANT DRAWINGS FOR MORE INFORMATION.	
14. TEMPORARY EQUIPMENT TO BE REMOVED BEFORE COMPLETION OF PROJECT. REFER TO MOB, W302, AND PHASING PLAN FOR DETAILS.	



BASEMENT KEY PLAN - LOADING DOCK
NOT TO SCALE

CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		Office of Construction and Facilities Management		100% CONSTRUCTION DOCUMENTS		VA CONTRACT NO: 36C24519C0171	
100% CONSTRUCTION DOCUMENTS SUBMISSION		6/23/2021		6/23/2021		Approved Project Director		FULLY SPRINKLERED		PROJECT TITLE: RENOVATE/UPGRADE NUTRITION & FOOD SERVICE KITCHEN	
10% CONSTRUCTION DOCUMENTS SUBMISSION		6/23/2021		6/23/2021		U.S. Department of Veterans Affairs		BUILDING NUMBER: 500		PROJECT NUMBER: 613-19-103	
40% DESIGN DEVELOPMENT		6/11/2020		6/11/2020		Location: MARTINSBURG VA MEDICAL CENTER		Drawing Number: MH100.9		Revision: 1	
Revisions:		Date:		Date:		Issue Date: 6/23/21		Checked: 6/23/21		Drawn: 6/23/21	



- GENERAL MECHANICAL NOTES**
- A. CONTRACTOR TO COORDINATE WITH ALL TRADES PRIOR TO CONSTRUCTION.

B. ITEMS THAT REQUIRE ACCESS, SUCH AS THOSE FOR OPERATING, CLEANING, SERVICING, MAINTENANCE AND CALIBRATION SHALL BE EASILY AND SAFELY ACCESSIBLE. SUCH ITEMS INCLUDE VALVES, FILTERS, STRAINERS, TRANSMITTERS, AND CONTROL DEVICES. PRIOR TO COMMENCING INSTALLATION WORK ANY CONFLICTS BETWEEN THIS REQUIREMENT AND THE CONTRACT DRAWINGS SHALL BE REFERRED TO THE VACOR FOR RESOLUTION.

C. PROVIDE FIRE DAMPERS ON ALL FIRE RATED DUCT PENETRATIONS. FIRE DAMPERS TO MATCH EXISTING WALL RATINGS. PROVIDE ACCESS FOR ALL NEW AND EXISTING DAMPERS. COORDINATE EXACT LOCATION OF DAMPERS IN FIELD.

D. CONTRACTOR TO COORDINATE DIFFUSER/REGISTER LOCATIONS WITH REFLECTIVE CEILING PLAN AND LIGHTING.



E. ALL LIGHT LINE WEIGHT REPRESENTS EXISTING DUCT.
- MECHANICAL KEY NOTES**
1. FURNISH AND INSTALL NEW FAN COMPLETE WITH ALL ACCESSORIES INCLUDING RAIL, DUCTWORK, VFD, CONTROLS, ETC.

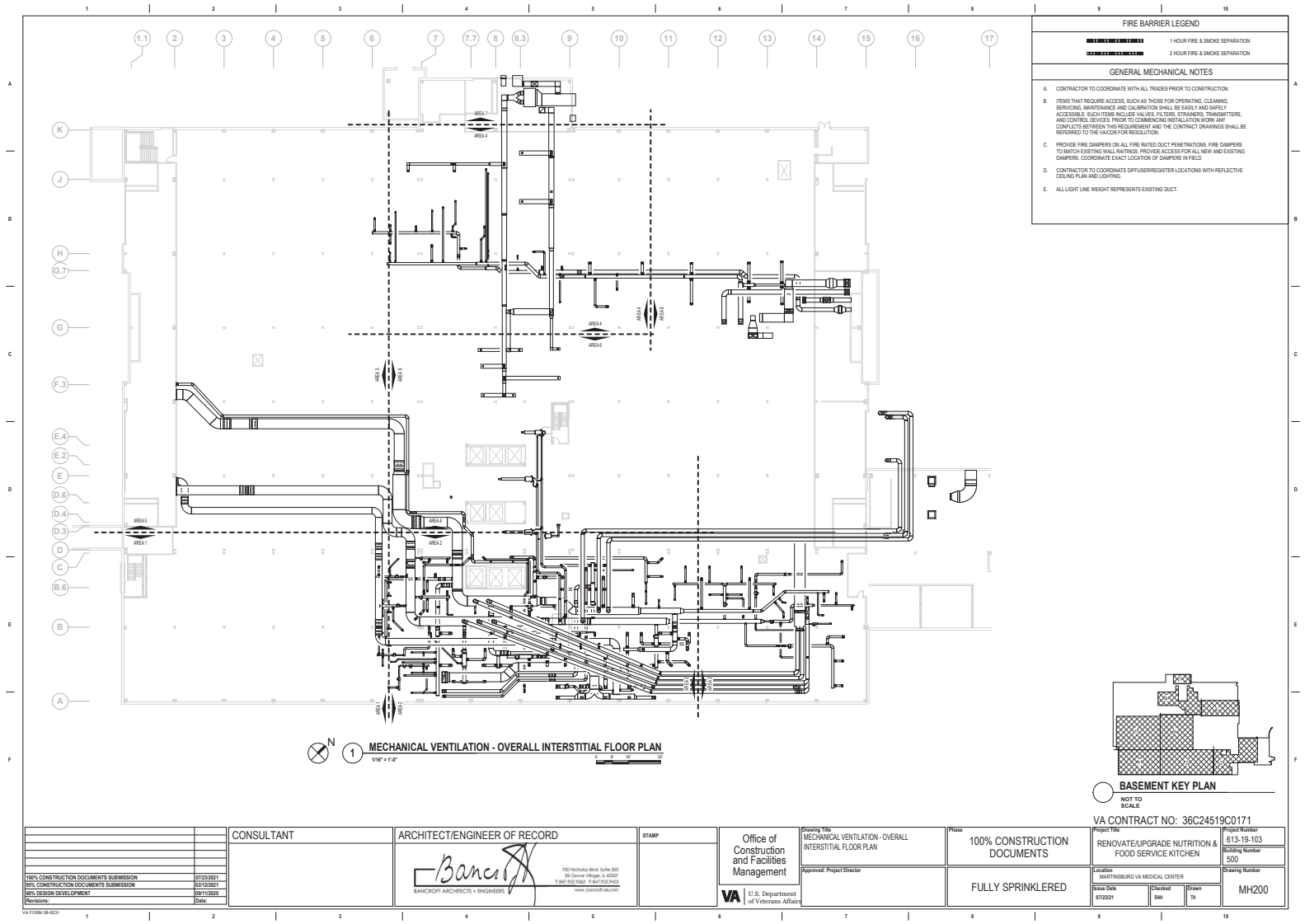
2. FURNISH AND INSTALL NEW STAINLESS STEEL DUCTWORK TO CONNECT FAN TO EXISTING VERTICAL DUCTWORK RUNS. DUCTWORK SHALL BE SUITABLE FOR TYPE I GREASE SYSTEMS AND FOLLOW NFPA 96 REQUIREMENTS.

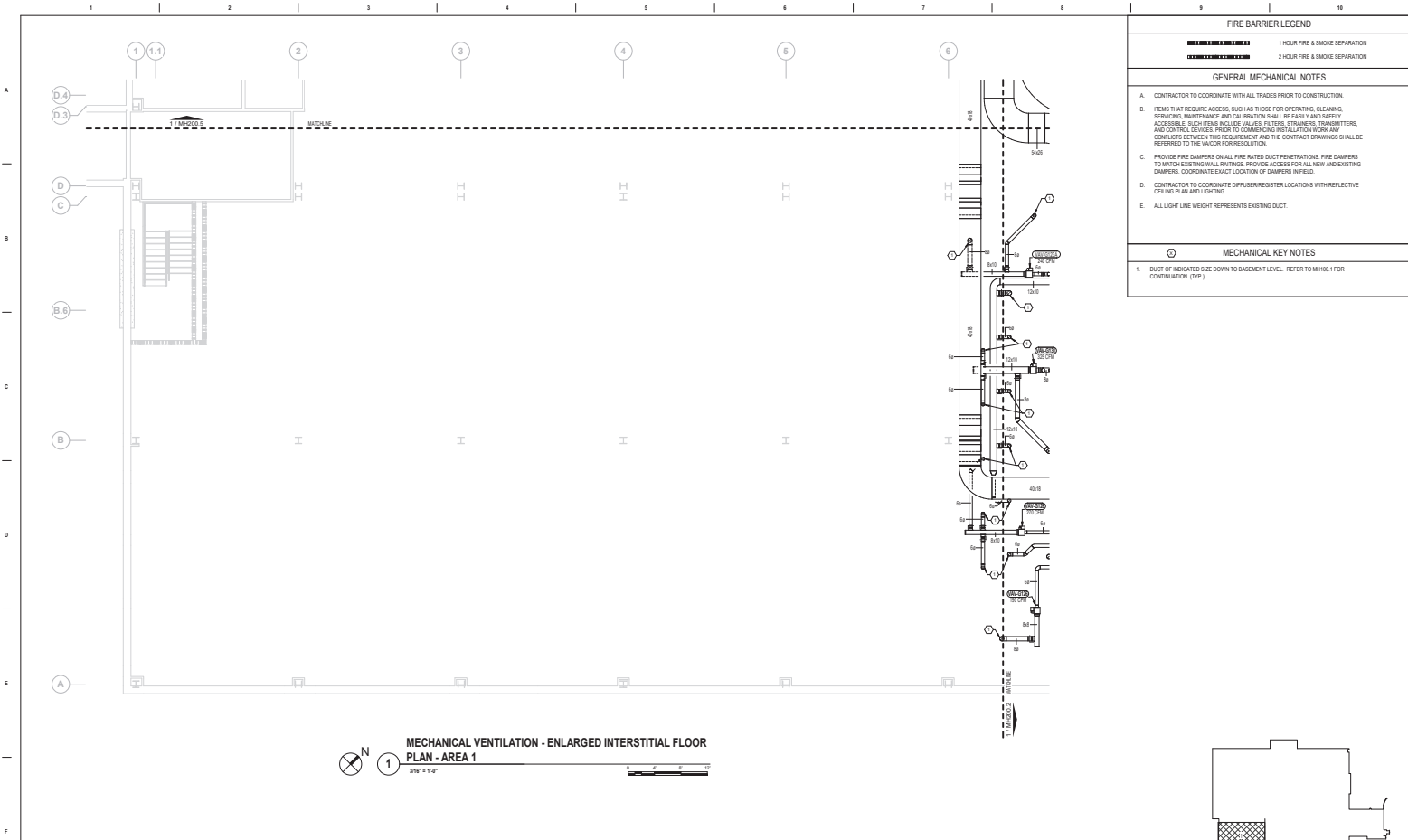
3. EXISTING FAN IF IS TO REMAIN AND BE OUTFITTED WITH NEW VFD. CONTRACTOR TO INSPECT FAN AND INSURE IT IS IN GOOD WORKING CONDITION PRIOR TO NEW WORK.

4. CAP EXISTING VERTICAL DUCTWORK.

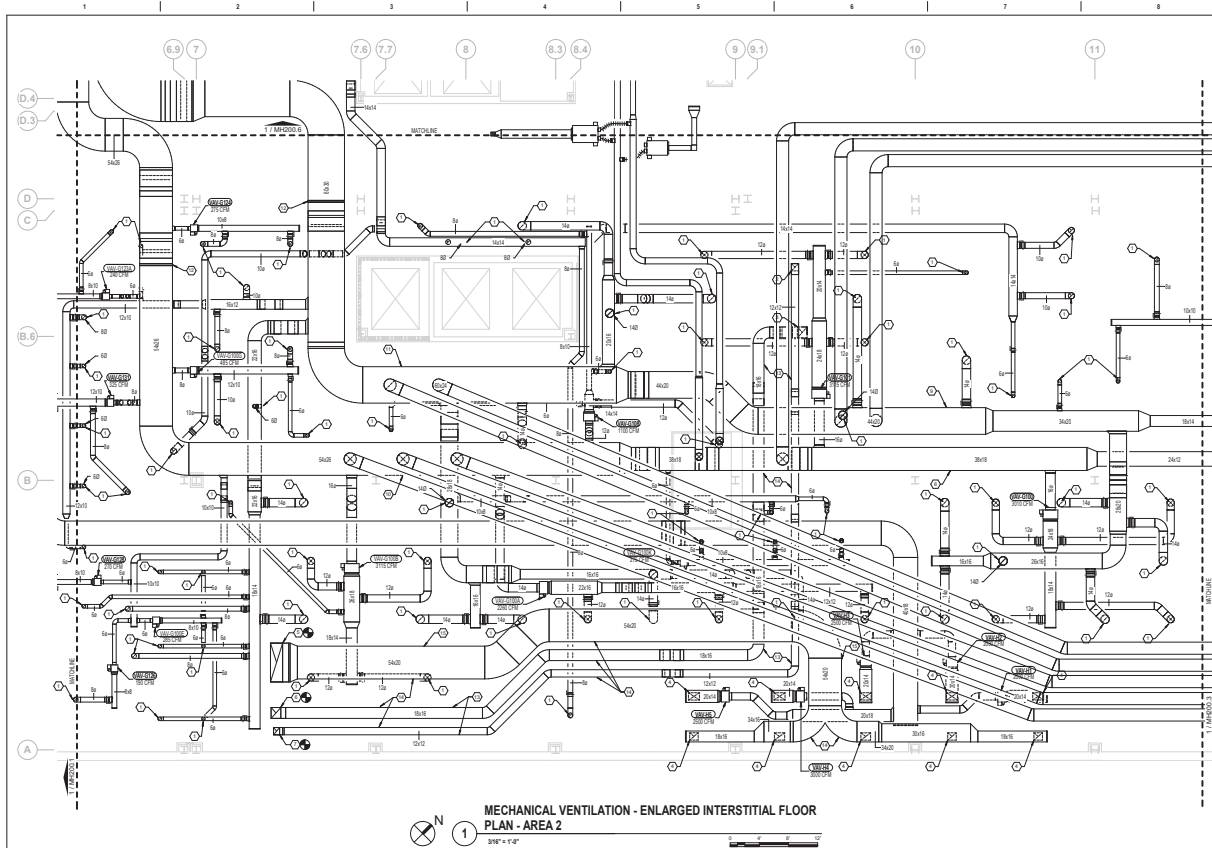
1 MECHANICAL VENTILATION - OVERALL ROOF PLAN
1/8" = 1'-0"

		CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		Office of Construction and Facilities Management		MECHANICAL VENTILATION - OVERALL ROOF PLAN		100% CONSTRUCTION DOCUMENTS		VA CONTRACT NO: 36C24519C0171	
								U.S. Department of Veterans Affairs		Approved Project Director		FULLY SPRINKLERED		RENOVATE/UPGRADE NUTRITION & FOOD SERVICE KITCHEN	
100% CONSTRUCTION DOCUMENTS SUBMISSION		07/23/2021												10/23/2021	
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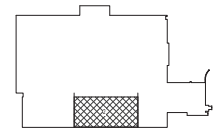




CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		Office of Construction and Facilities Management		MECHANICAL VENTILATION - ENLARGED INTERSTITIAL FLOOR PLAN - AREA 1		100% CONSTRUCTION DOCUMENTS		RENOVATE/UPGRADE NUTRITION & FOOD SERVICE KITCHEN		PROJECT NUMBER: 613-19-103	
100% CONSTRUCTION DOCUMENTS SUBMISSION		07/23/2021		07/23/2021		Approved: Project Director		FULLY SPRINKLERED		Location: MARTINSBURG VA MEDICAL CENTER		Building Number: 500		Drawing Number: MH200.1	
90% CONSTRUCTION DOCUMENTS SUBMISSION		07/23/2021		07/23/2021		U.S. Department of Veterans Affairs				Issue Date: 07/23/21		Checked: SAE		Drawn: TE	
90% DESIGN DEVELOPMENT		09/11/2020		09/11/2020											
Revisions:		Date:													

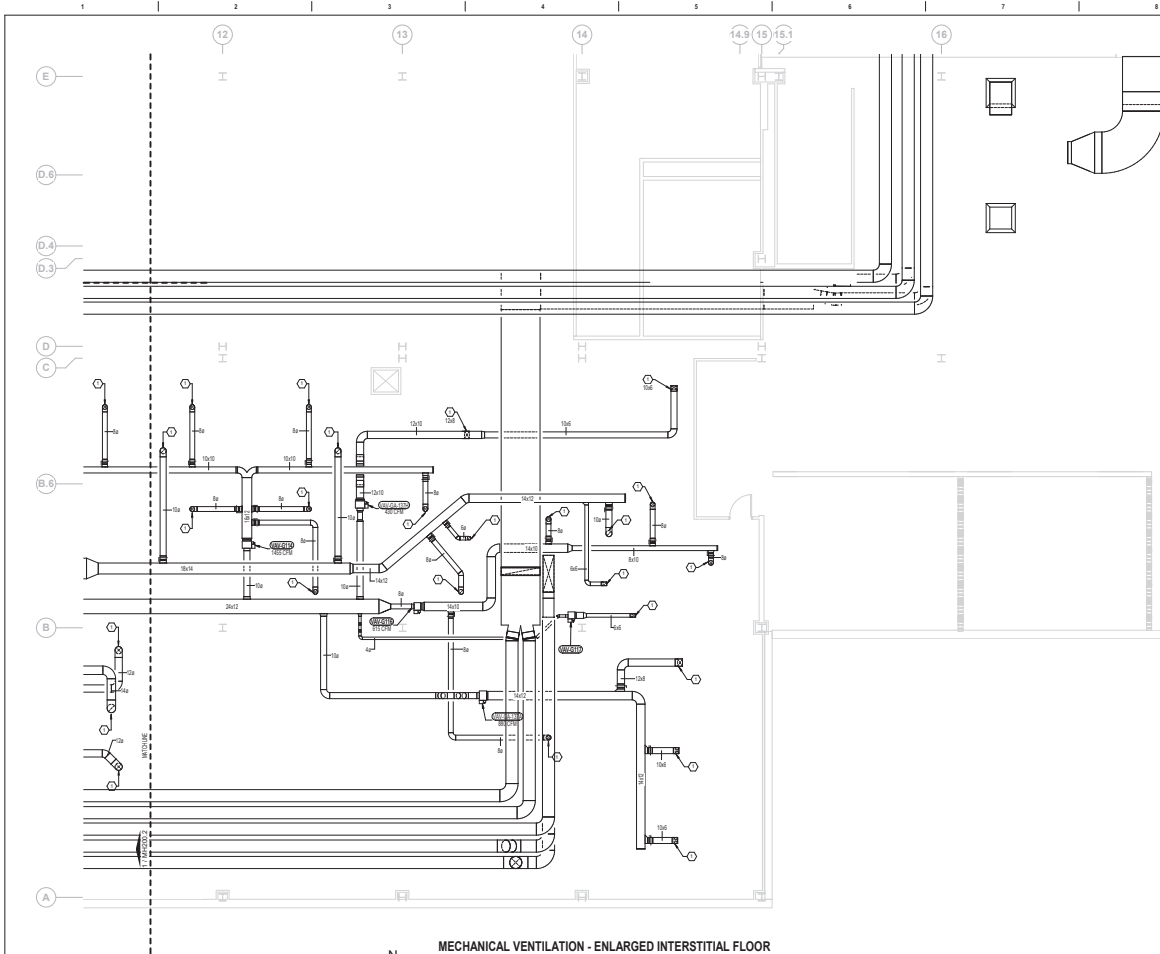


FIRE BARRIER LEGEND	
	1 HOUR FIRE & SMOKE SEPARATION
	2 HOUR FIRE & SMOKE SEPARATION
GENERAL MECHANICAL NOTES	
A. CONTRACTOR TO COORDINATE WITH ALL TRADES PRIOR TO CONSTRUCTION.	
B. ITEMS THAT REQUIRE ACCESS, SUCH AS THOSE FOR OPERATING, CLEANING, SERVICING, MAINTENANCE AND CALIBRATION SHALL BE EASILY AND SAFELY ACCESSIBLE. SUCH ITEMS INCLUDE VALVES, FILTERS, STRAINERS, TRANSDUCERS, AND CONTROL DEVICES. PRIOR TO COMMENCING INSTALLATION WORK ANY CONFLICTS BETWEEN THIS REQUIREMENT AND THE CONTRACT DRAWINGS SHALL BE REPORTED TO THE ARCHITECT FOR RESOLUTION.	
C. PROVIDE FIRE DAMPERS ON ALL FIRE RATED DUCT PENETRATIONS. FIRE DAMPERS TO MATCH EXISTING WALL RATINGS. PROVIDE ACCESS FOR ALL NEW AND EXISTING DAMPERS. COORDINATE EXACT LOCATION OF DAMPERS IN FIELD.	
D. CONTRACTOR TO COORDINATE DIFFUSER/REGISTER LOCATIONS WITH REFLECTIVE CEILING PLAN AND LIGHTING.	
E. ALL LIGHT LINE WEIGHT REPRESENTS EXISTING DUCT.	
MECHANICAL KEY NOTES	
1. DUCT OF INDICATED SIZE DOWN TO BASEMENT LEVEL. REFER TO MH100.2 FOR CONTINUATION. (TYP.)	
2. 1/2" DOWN TO EXHAUSTER.	
3. 1/2" DOWN TO CART WASH/DR.	
4. DUCTWORK DOWN TO KITCHEN EXHAUST HOOD. PROVIDE ALL NECESSARY TRANSITION TO MAKE FINAL CONNECTIONS. COORDINATE WITH KITCHEN CONTRACTOR FOR SIZE AND INSTALLATION PROCEDURES.	
5. CONNECT TO EXISTING 16" EXHAUST RISER UP TO EF-02 ON ROOF.	
6. CONNECT TO EXISTING 18" EXHAUST RISER UP TO EF-01 ON ROOF.	
7. CONNECT TO EXISTING 12" EXHAUST RISER UP TO EF-03 ON ROOF.	
8. THE IN LOCATION FOR TEMPORARY DUCTWORK FROM TEMPORARY AIR HANDLING UNIT LOCATED NEAR LOADING DOCK. CONNECT TWO 27" TEMPORARY RETURN DUCTS.	
9. THE IN LOCATION FOR TEMPORARY DUCTWORK FROM TEMPORARY AIR HANDLING UNIT LOCATED NEAR LOADING DOCK. CONNECT THREE 27" TEMPORARY SUPPLY DUCTS.	
10. THE IN LOCATION FOR TEMPORARY DUCTWORK FROM TEMPORARY AIR HANDLING UNIT LOCATED NEAR LOADING DOCK. CONNECT THREE 27" TEMPORARY SUPPLY DUCTS.	
11. THE IN LOCATION FOR TEMPORARY DUCTWORK FROM TEMPORARY AIR HANDLING UNIT LOCATED NEAR LOADING DOCK. CONNECT TWO 27" TEMPORARY RETURN DUCTS.	
12. END OF PHASE 1 DUCTWORK CONSTRUCTION. INSTALL SHEET METAL DUCTWORK CAP AND PREPARE FOR FUTURE CONNECTION.	
13. EXHAUST DUCTWORK SERVING DISHWASHING AND CART WASHING UNIT TO BE COORDINATED BETWEEN PHASES OF CONSTRUCTION. EXHAUST DUCTWORK WILL BE INSTALLED BEFORE DEMOLITION OF ADJACENT EXISTING DUCTWORK IN THE AREA.	
14. PROVIDE INSULATION ON EXHAUST DUCTWORK CARRYING HOT EXHAUST AIR.	
15. TYPE 1 GREASE EXHAUST SHALL BE SLOPED AND CLEANOUTS SHALL BE INSTALLED ACCORDING TO LATEST VERSION OF INTERNATIONAL MECHANICAL CODE.	



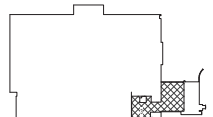
BASEMENT KEY PLAN - AREA 2
NOT TO SCALE

CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		Office of Construction and Facilities Management		100% CONSTRUCTION DOCUMENTS		VA CONTRACT NO: 36C24519C01711	
100% CONSTRUCTION DOCUMENTS SUBMISSION		Bancroft Architects + Engineers		Office of Construction and Facilities Management		Approval: Project Director		FULLY SPRINKLERED		PROJECT NUMBER: 613-19-103	
90% CONSTRUCTION DOCUMENTS SUBMISSION		Bancroft Architects + Engineers		U.S. Department of Veterans Affairs		MECHANICAL VENTILATION - ENLARGED INTERSTITIAL FLOOR PLAN - AREA 2		BUILDING NUMBER: 500		PROJECT NAME: RENOVA/TE/UPGRADE NUTRITION & FOOD SERVICE KITCHEN	
80% DESIGN DEVELOPMENT		Bancroft Architects + Engineers		U.S. Department of Veterans Affairs		MECHANICAL VENTILATION - ENLARGED INTERSTITIAL FLOOR PLAN - AREA 2		LOCATION: MARTINSBURG VA MEDICAL CENTER		DRAWING NUMBER: MH200.2	
Revisions:		Bancroft Architects + Engineers		U.S. Department of Veterans Affairs		MECHANICAL VENTILATION - ENLARGED INTERSTITIAL FLOOR PLAN - AREA 2		DATE: 01/23/2021		CHECKED: 04/11/2021	



MECHANICAL VENTILATION - ENLARGED INTERSTITIAL FLOOR
PLAN - AREA 3
3/16" = 1' 0"

FIRE BARRIER LEGEND	
	1 HOUR FIRE & SMOKE SEPARATION
	2 HOUR FIRE & SMOKE SEPARATION
GENERAL MECHANICAL NOTES	
A. CONTRACTOR TO COORDINATE WITH ALL TRADES PRIOR TO CONSTRUCTION.	
B. ITEMS THAT REQUIRE ACCESS, SUCH AS THOSE FOR OPERATING, CLEANING, MAINTENANCE AND CALIBRATION SHALL BE EASILY AND SAFELY ACCESSIBLE. SUCH ITEMS INCLUDE VALVES, FILTERS, STRAINERS, TRANSMITTERS, AND CONTROL DEVICES. PRIOR TO COMMENCING INSTALLATION WORK ANY CONFLICTS BETWEEN THIS REQUIREMENT AND THE CONTRACT DRAWINGS SHALL BE REFERRED TO THE ARCHITECT FOR RESOLUTION.	
C. PROVIDE FIRE DAMPERS ON ALL FIRE RATED DUCT PENETRATIONS. FIRE DAMPERS TO MATCH EXISTING WALL RATINGS. PROVIDE ACCESS FOR ALL NEW AND EXISTING DAMPERS. COORDINATE EXACT LOCATION OF DAMPERS IN FIELD.	
D. CONTRACTOR TO COORDINATE DIFFUSER/REGISTER LOCATIONS WITH REFLECTIVE CEILING PLAN AND LIGHTING.	
E. ALL LIGHT LINE WEIGHT REPRESENTS EXISTING DUCT.	
MECHANICAL KEY NOTES	
1. DUCT OF INDICATED SIZE DOWN TO BASEMENT LEVEL. REFER TO MH100.3 FOR CONTINUATION. (TYP)	
2. TWO 20" VERTICALLY STACKED DUCTS ROUTED INTO INTERSTITIAL SPACE FROM SPACE ABOVE LOADING DOCK CEILING AT THIS LOCATION.	
3. DUCTWORK TO BE ROUTED THROUGH INTERSTITIAL SPACE TO SPECIFIED TEMPORARY TIE IN LOCATION ON MH200.3. EXACT ROUTE TO BE DETERMINED BASED ON FIELD CONDITIONS.	

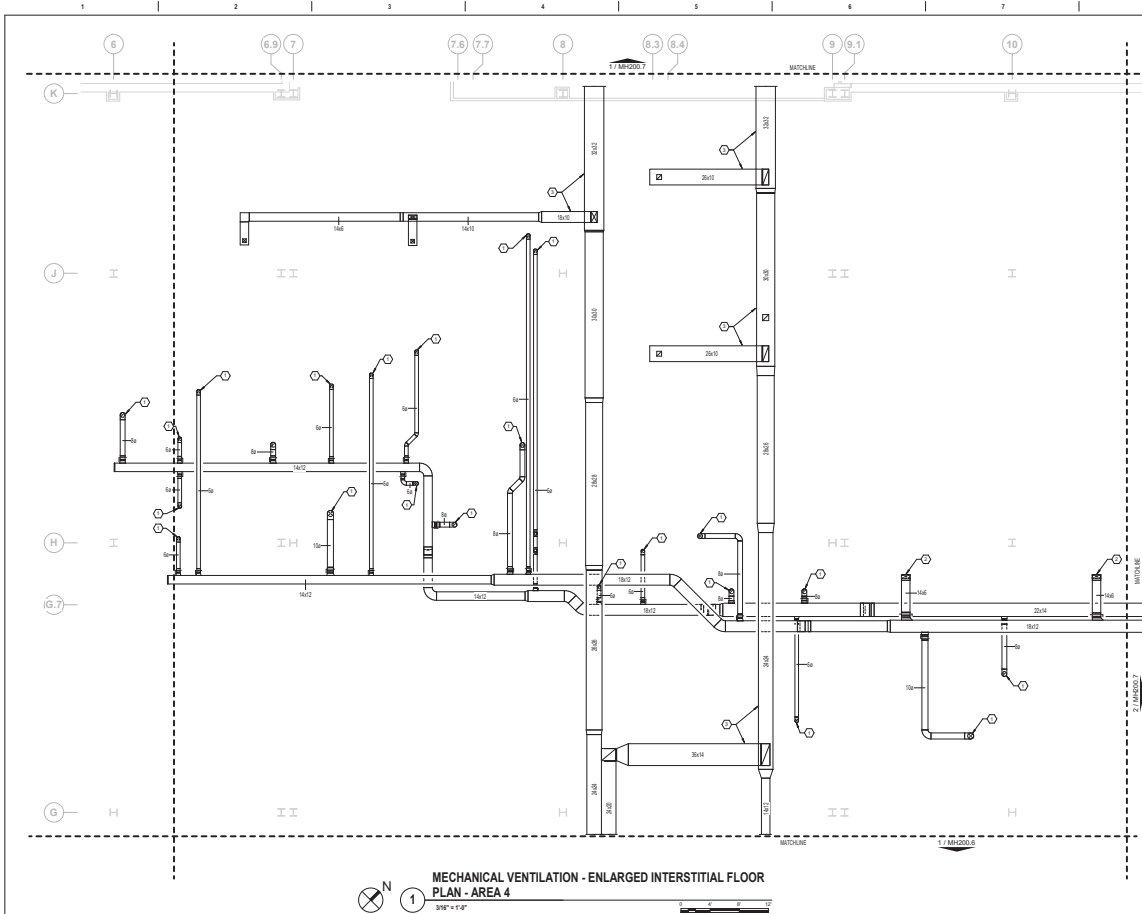


BASEMENT KEY PLAN - AREA 3

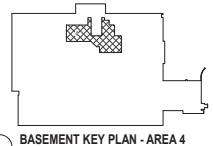
NOT TO SCALE

VA CONTRACT NO: 36C24519C01711

CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		Office of Construction and Facilities Management		100% CONSTRUCTION DOCUMENTS		PROJECT TITLE: RENO/ATE/UPGRADE NUTRITION & FOOD SERVICE KITCHEN	
100% CONSTRUCTION DOCUMENTS SUBMISSION		07/23/2021		07/23/2021		Approved: Project Director		FULLY SPRINKLERED		Location: MARTINSBURG VA MEDICAL CENTER	
10% CONSTRUCTION DOCUMENTS SUBMISSION		07/23/2021		07/23/2021		U.S. Department of Veterans Affairs		PROJECT NUMBER: 613-19-103		Building Number: 500	
10% DESIGN DEVELOPMENT		09/11/2020		09/11/2020		www.bancroft.com		Drawing Number: MH200.3		Revision: 01/20/21	
Revisions:		Date:		Date:		Date:		Date:		Date:	





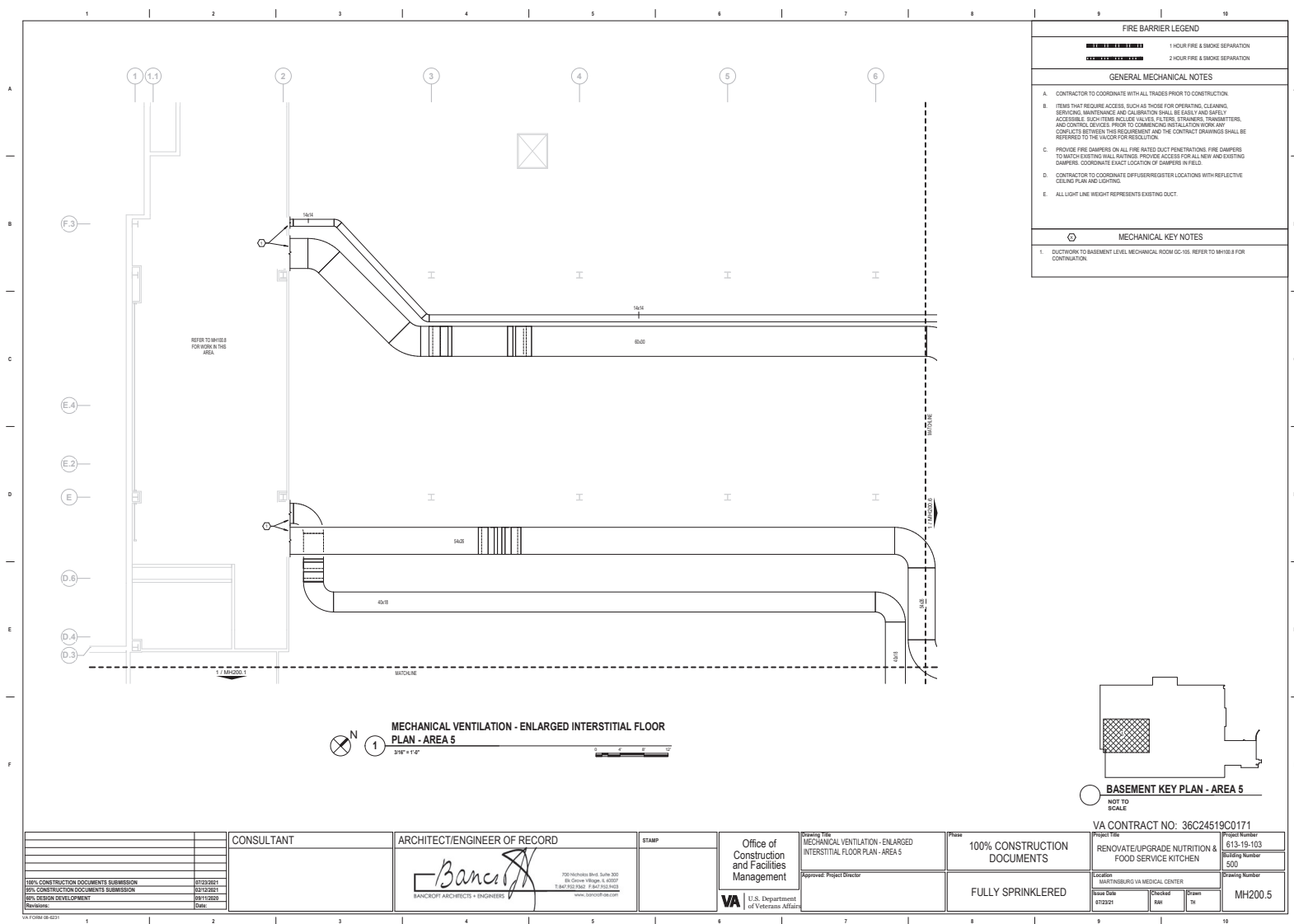
FIRE BARRIER LEGEND	
	1 HOUR FIRE & SMOKE SEPARATION
	2 HOUR FIRE & SMOKE SEPARATION
GENERAL MECHANICAL NOTES	
A. CONTRACTOR TO COORDINATE WITH ALL TRADES PRIOR TO CONSTRUCTION.	
B. ITEMS THAT REQUIRE ACCESS, SUCH AS THOSE FOR OPERATING, CLEANING, SERVICING, MAINTENANCE AND CALIBRATION SHALL BE EASILY AND SAFELY ACCESSIBLE. SUCH ITEMS INCLUDE VALVES, FILTERS, STRAINERS, TRANSDUCERS, AND CONTROL DEVICES. PRIOR TO COMMENCING INSTALLATION WORK ANY CONFLICTS BETWEEN THIS REQUIREMENT AND THE CONTRACT DRAWINGS SHALL BE REFERRED TO THE ARCHITECT FOR RESOLUTION.	
C. PROVIDE FIRE DAMPERS ON ALL FIRE RATED DUCT PENETRATIONS. FIRE DAMPERS TO MATCH EXISTING WALL RATINGS. PROVIDE ACCESS FOR ALL NEW AND EXISTING DAMPERS. COORDINATE EXACT LOCATION OF DAMPERS IN FIELD.	
D. CONTRACTOR TO COORDINATE DIFFUSER/REGISTER LOCATIONS WITH REFLECTIVE CEILING PLAN AND LIGHTING.	
E. ALL LIGHT LINE WEIGHT REPRESENTS EXISTING DUCT.	
MECHANICAL KEY NOTES	
1. DUCT OF INDICATED SIZE DOWN TO BASEMENT LEVEL. REFER TO MH108.4 FOR CONTINUATION.	
2. DUCTWORK DOWN TO EXISTING CEILING DIFFUSER. MAKE ANY FITTINGS/TRANSITIONS NECESSARY FOR CONNECTION.	
3. EXISTING DUCTWORK. PROTECT DURING CONSTRUCTION.	



BASEMENT KEY PLAN - AREA 4
NOT TO SCALE

VA CONTRACT NO: 36C24519C0171

		CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		Drawing Title MECHANICAL VENTILATION - ENLARGED INTERSTITIAL FLOOR PLAN - AREA 4		Phase 100% CONSTRUCTION DOCUMENTS		Project Title RENOVATE/UPGRADE NUTRITION & FOOD SERVICE KITCHEN		Project Number 813-19-103	
								Office of Construction and Facilities Management				Building Number 500			
				BANCROFT ARCHITECTS + ENGINEERS		www.bancroft-ae.com		Approved: Project Director				Location MARTINSBURG VA MEDICAL CENTER		Drawing Number MH200.4	
100% CONSTRUCTION DOCUMENTS SUBMISSION		07/23/2021								FULLY SPRINKLERED		Issue Date 07/23/21		Checked N/A	
95% CONSTRUCTION DOCUMENTS SUBMISSION		07/23/2021						U.S. Department of Veterans Affairs				Drawn N/A			
Revisions:		Date:													





PLAN - AREA 7

 $315^\circ = 14^\circ$ 

PLAN - AREA 8

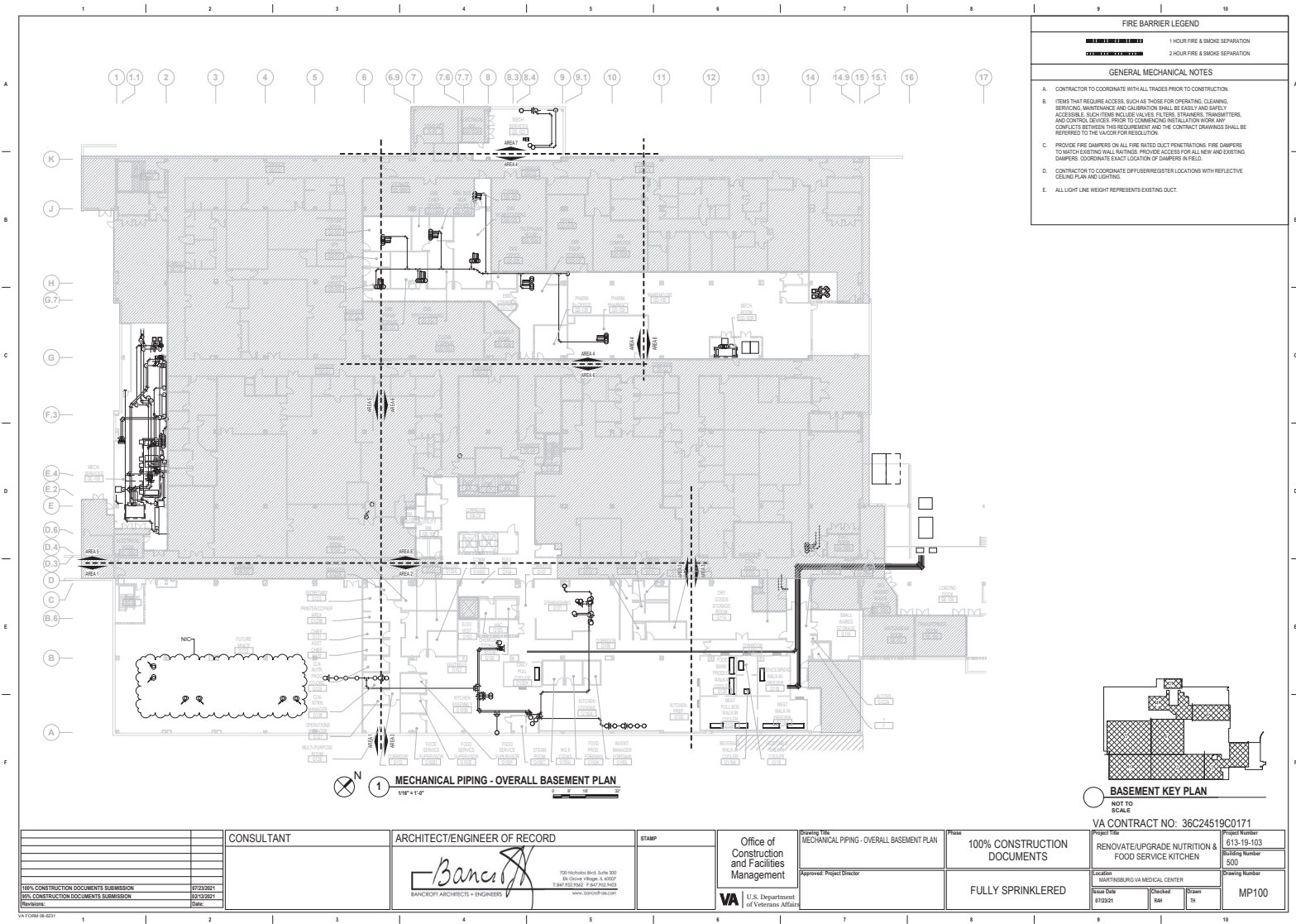
 $3/16" = 1'-0"$ 

NOT TO

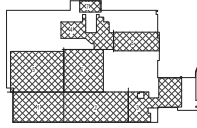
SCALE

VA CONTRACT NO: 36C24519C0171

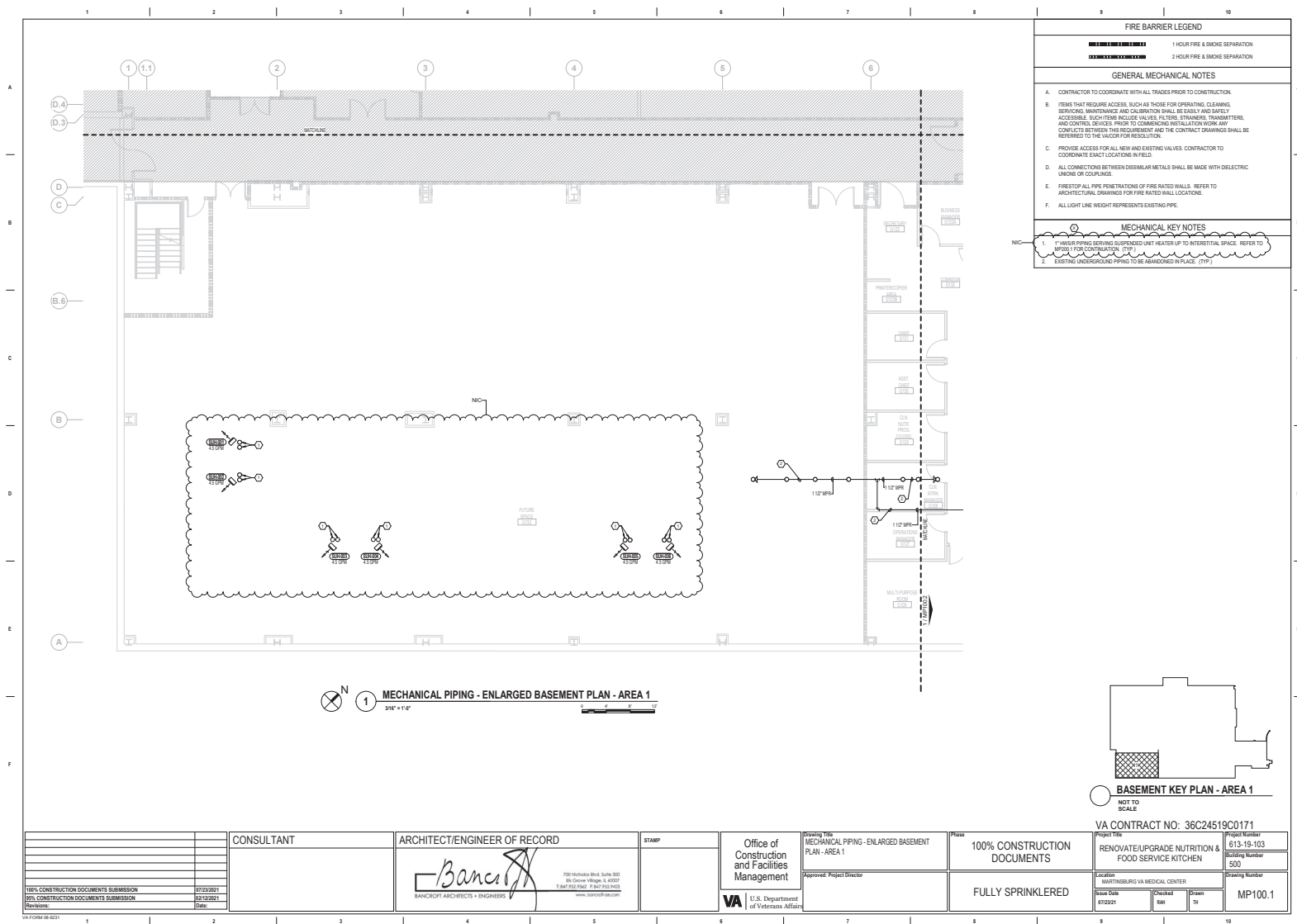
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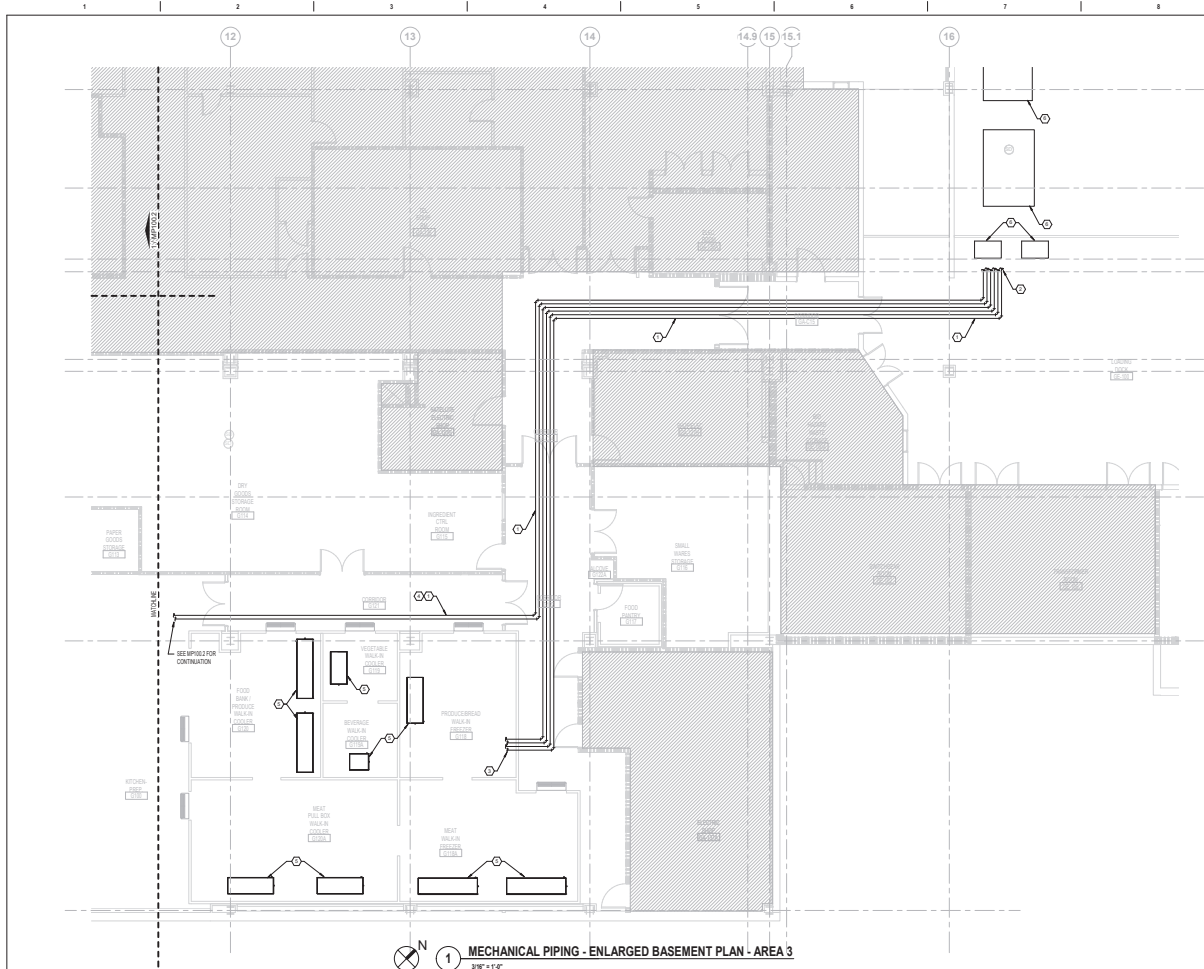


FIRE BARRIER LEGEND	
	1 HOUR FIRE & SMOKE SEPARATION
	2 HOUR FIRE & SMOKE SEPARATION
GENERAL MECHANICAL NOTES	
A. CONTRACTOR TO COORDINATE WITH ALL TRADES PRIOR TO CONSTRUCTION.	
B. ITEMS THAT REQUIRE ACCESS, SUCH AS THOSE FOR OPERATING, CLEANING, SERVICING, MAINTENANCE AND CALIBRATION SHALL BE EASILY AND SAFELY ACCESSIBLE. SUCH ITEMS INCLUDE VALVES, FILTERS, STRAINERS, TRANSMITTERS, AND CONTROL DEVICES. PRIOR TO COMMENCING INSTALLATION WORK ANY CONFLICTS BETWEEN THIS REQUIREMENT AND THE CONTRACT DRAWINGS SHALL BE REPORTED TO THE NAIOR FOR RESOLUTION.	
C. PROVIDE FIRE DAMPERS ON ALL FIRE RATED DUCT PENETRATIONS. FIRE DAMPERS TO MATCH EXISTING WALL RATINGS. PROVIDE ACCESS FOR ALL NEW AND EXISTING DAMPERS. COORDINATE EXACT LOCATION OF DAMPERS IN FIELD.	
D. CONTRACTOR TO COORDINATE DIFFUSER/REGISTER LOCATIONS WITH REFLECTIVE CEILING PLAN AND LIGHTING.	
E. ALL LIGHT LINE WEIGHT REPRESENTS EXISTING DUCT.	



BASEMENT KEY PLAN
NOT TO SCALE





- GENERAL MECHANICAL NOTES**
- A. CONTRACTOR TO COORDINATE WITH ALL TRADES PRIOR TO CONSTRUCTION.
 - B. ITEMS THAT REQUIRE ACCESS, SUCH AS THOSE FOR OPERATING, CLEANING, SERVICING, MAINTENANCE AND CALIBRATION SHALL BE EASILY AND SAFELY ACCESSIBLE. SUCH ITEMS INCLUDE VALVES, FILTERS, STRAINERS, TRANSMITTERS, AND CONTROL DEVICES. PRIOR TO COMMENCING INSTALLATION WORK, ANY CONFLICTS BETWEEN THIS REQUIREMENT AND THE CONTRACT DRAWINGS SHALL BE REFERRED TO THE UNCOR FOR RESOLUTION.
 - C. PROVIDE ACCESS FOR ALL NEW AND EXISTING VALVES. CONTRACTOR TO COORDINATE EXACT LOCATIONS IN FIELD.
 - D. ALL CONNECTIONS BETWEEN DISSIMILAR METALS SHALL BE MADE WITH DIELECTRIC UNIONS OR COUPLINGS.
 - E. FIRESTOP ALL PIPE PENETRATIONS OF FIRE RATED WALLS. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE RATED WALL LOCATION.
 - F. ALL LIGHT LINE WEIGHT REPRESENTS EXISTING PIPE.
- MECHANICAL KEY NOTES**
- 1. REFRIGERANT PIPING TO BE ROUTED BETWEEN LOADING DOCK CONDENSING UNITS AND EVAPORATORS LOCATED IN KITCHEN AREA. REFER TO KITCHEN CONSULTANT DRAWINGS FOR CONNECTION DETAILS. SIZE REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE INSTALLATION WITH OTHER DISCIPLINES. ROUTING OF REFRIGERANT LINES ARE SHOWN FOR DIAGNOSTIC PURPOSES ONLY. EXACT NUMBER AND LOCATION OF ROUTED LINES SHOULD BE VERIFIED IN FIELD AND COORDINATED WITH KITCHEN CONTRACTOR.
 - 2. CONNECT REFRIGERANT PIPING TO CONDENSING UNITS ACCORDING TO KITCHEN CONSULTANT DRAWINGS.
 - 3. CONNECT REFRIGERANT PIPING TO WALK-IN COOLER/REFRIGERATOR EVAPORATORS ACCORDING TO KITCHEN CONSULTANT DRAWINGS.
 - 4. REFRIGERANT LINES TO SERVE BLAST CHILLERS AND DAILY PULL COOLER.
 - 5. INSTALL EVAPORATORS ACCORDING TO KITCHEN CONSULTANT DRAWINGS. COORDINATE WITH OTHER DISCIPLINES.
 - 6. REMOTE CONDENSING UNITS.



CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		Office of Construction and Facilities Management		PROJECT TITLE MECHANICAL PIPING - ENLARGED BASEMENT PLAN - AREA 3		PHASE 100% CONSTRUCTION DOCUMENTS		PROJECT NUMBER 613-19-103	
100% CONSTRUCTION DOCUMENTS SUBMISSION		BANCROFT ARCHITECTS + ENGINEERS		VA		U.S. Department of Veterans Affairs		Approved: Project Director		FULLY SPRINKLERED		BUILDING NUMBER 500	
Revisions:		17/23/2021		17/23/2021		17/23/2021		17/23/2021		17/23/2021		17/23/2021	
Date:		Date:		Date:		Date:		Date:		Date:		Date:	