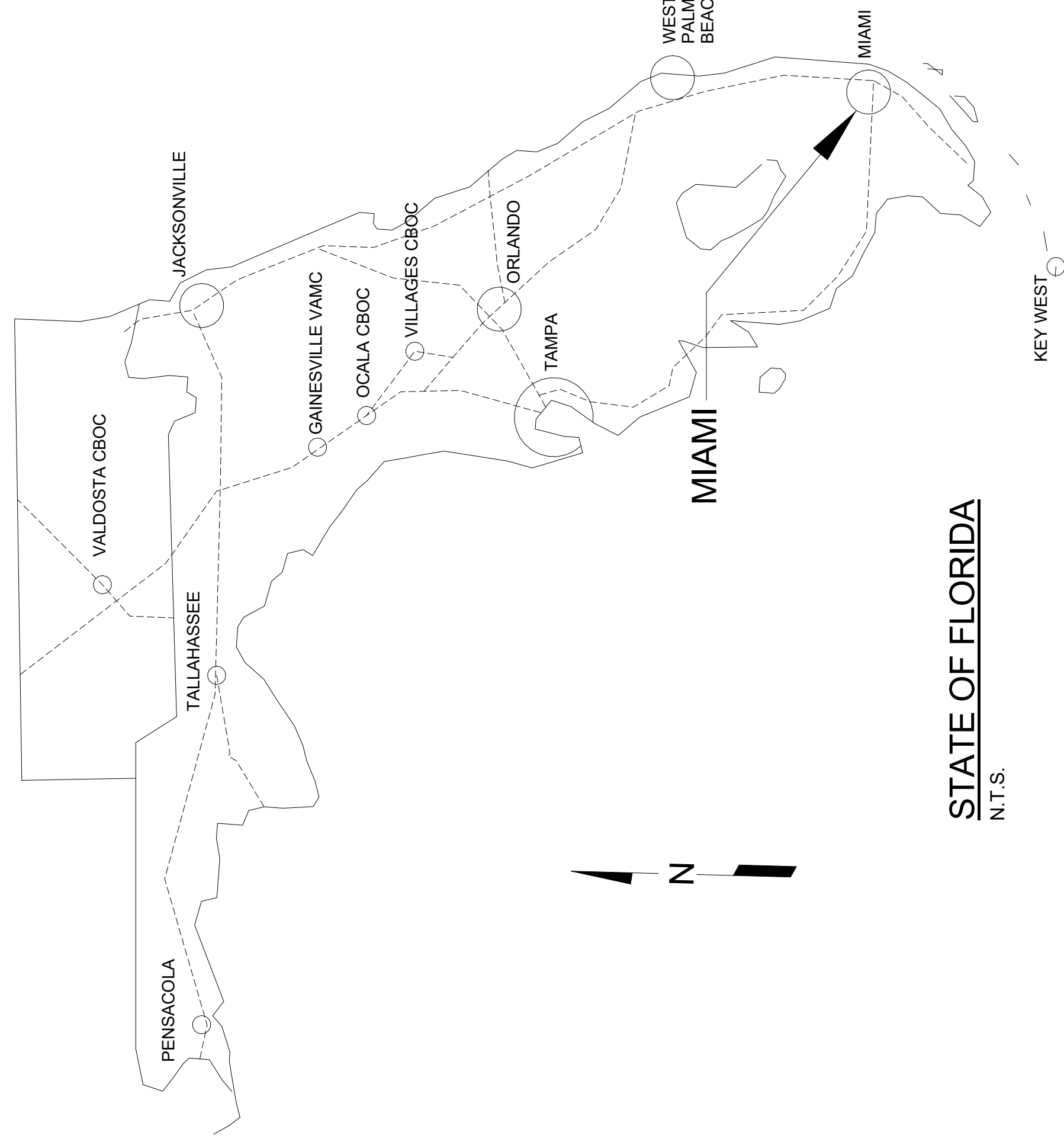
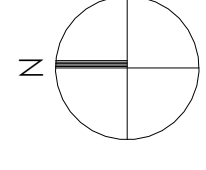
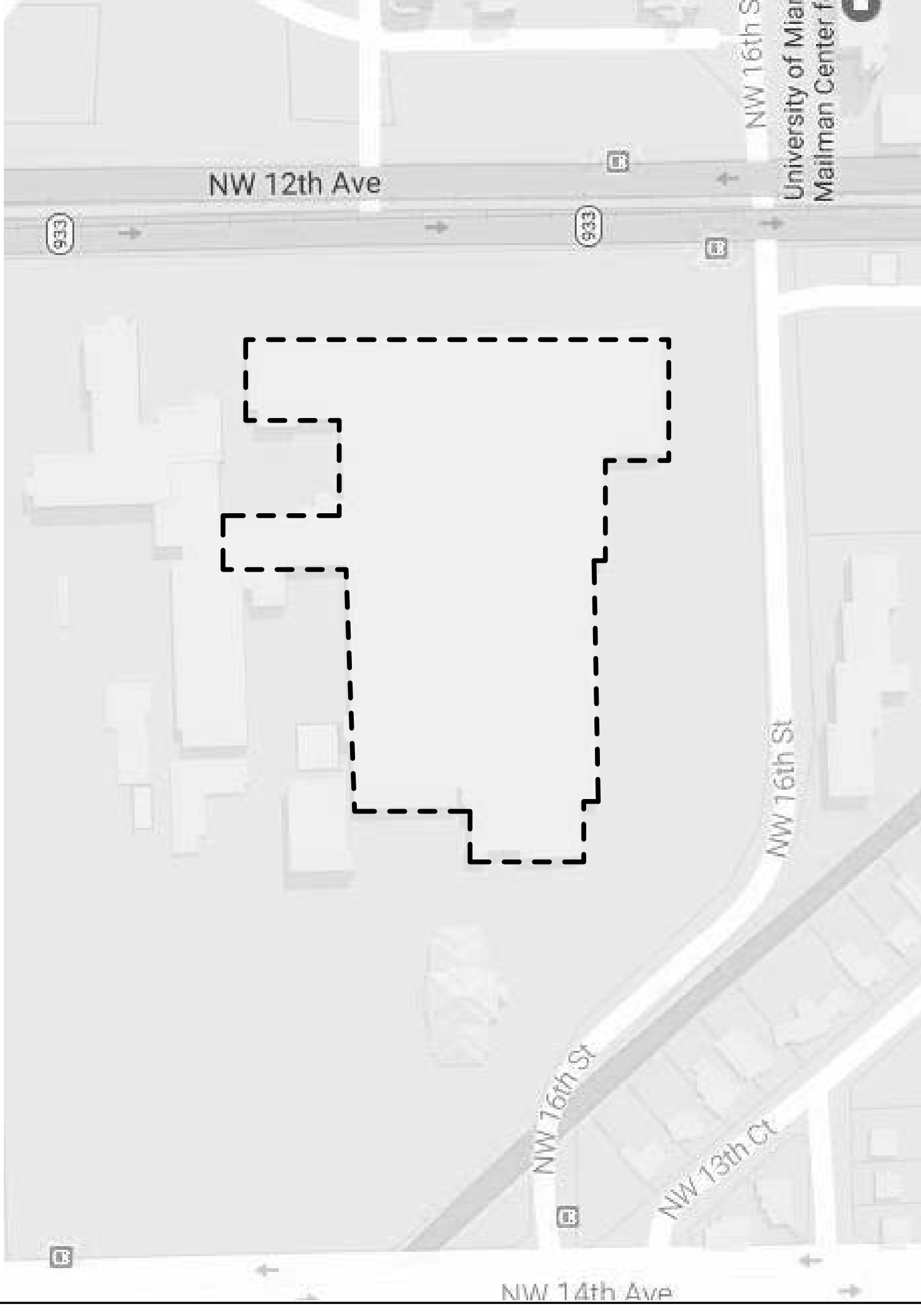


LOCATION MAP



STATE OF FLORIDA
N.T.S.

IF SHEET MEASURES LESS THAN 30x42 IT IS A
REDUCED PRINT. ADJUST SCALE ACCORDINGLY



RENOVATE VCS PATRIOT CAFE VA KITCHEN SET

PROJECT NO. 546-17-109

Miami VA Healthcare System 1201 NW 16th St. Miami, Florida 33125

FOR REFERENCE ONLY - DRAWINGS UNDER SEPARATE COVER

SHEET NUMBER	SHEET NAME
1-G001	LOCATION, SITE PLAN, AND SHEET INDEX - VA KITCHEN SET
1-G002	AREA OF WORK PLAN - 2ND FLOOR - VA KITCHEN
1-AE100	ENLARGED AND FLOOR REFLECTED CEILING PLAN - ARCHITECTURAL
1-AE102-D	ENLARGED 2ND FLOOR DEMOLITION PLAN - ARCHITECTURAL
1-AE102-N	ENLARGED 2ND FLOOR RENOVATION PLAN - ARCHITECTURAL
1-AQ102	ENLARGED 2ND FLOOR EQUIPMENT PLAN - ARCHITECTURAL
1-AW102	ENLARGED 2ND FLOOR LIFE SAFETY PLAN - ARCHITECTURAL
1-MH001	LEGEND, NOTES AND SCHEDULES - HVAC
1-MH002	SCHEDULES - HVAC
1-MH102-D	ENLARGED 2ND FLOOR DEMOLITION PLAN - HVAC
1-MH102-N	ENLARGED 2ND FLOOR RENOVATION PLAN - HVAC
1-MH104	MECHANICAL ROOM - HVAC
1-MH115	ENLARGED 15TH FLOOR PLANS - HVAC
1-MH402	ENLARGED B200 MECHANICAL ROOM - HVAC
1-MH501	DETAILS - HVAC
1-MH502	CONTROLS - HVAC
1-E-001	LEGEND AND NOTES - ELECTRICAL
1-E-002	LEGEND, NOTES AND SCHEDULES - ELECTRICAL
1-E102-N	ENLARGED 2ND FLOOR RENOVATION PLAN - LIGHTING
1-E102-D	ENLARGED 2ND FLOOR DEMOLITION PLAN - LIGHTING
1-EP202-D	ENLARGED 2ND FLOOR DEMOLITION PLAN - POWER
1-EP204	ENLARGED 4TH FLOOR PLANS - POWER
1-ET102-N	ENLARGED 2ND FLOOR RENOVATION PLAN - SYSTEMS
1-E-501	DETAILS - ELECTRICAL
1-E-502	SCHEDULES - ELECTRICAL
1-FF102	ENLARGED 2ND FLOOR FIRE PROTECTION
1-PL001	LEGEND, NOTES AND SCHEDULES - PLUMBING
1-PL102-D	ENLARGED 2ND FLOOR DEMOLITION PLAN - PLUMBING
1-PL102-N	ENLARGED 2ND FLOOR RENOVATION PLAN - SANITARY AND VENT
1-PE202-N	ENLARGED 2ND FLOOR RENOVATION PLAN - DOMESTIC WATER

FOR REFERENCE ONLY - DRAWINGS UNDER SEPARATE COVER

SHEET NUMBER	SHEET NAME
2-G001	LOCATION, SITE PLAN, AND SHEET INDEX - VA DINING SET
2-G002	AREA OF WORK PLAN - 2ND FLOOR - VA DINING
2-AE100	ENLARGED AND FLOOR REFLECTED CEILING PLAN - ARCHITECTURAL
2-AE102-D	ENLARGED 2ND FLOOR DEMOLITION PLAN - ARCHITECTURAL
2-AE102-N	ENLARGED 2ND FLOOR RENOVATION PLAN - ARCHITECTURAL
2-AQ102	ENLARGED 2ND FLOOR EQUIPMENT PLAN - ARCHITECTURAL
2-AW102	ENLARGED 2ND FLOOR LIFE SAFETY PLAN - ARCHITECTURAL
2-MH001	LEGEND, NOTES AND SCHEDULES - HVAC
2-MH002	SCHEDULES - HVAC
2-MH102-D	ENLARGED 2ND FLOOR DEMOLITION PLAN - HVAC
2-MH102-N	ENLARGED 2ND FLOOR RENOVATION PLAN - HVAC
2-MH104	MECHANICAL ROOM - HVAC
2-MH502	DETAILS - HVAC
2-MH601	CONTROLS - HVAC
2-E-001	LEGEND, NOTES AND SCHEDULES - ELECTRICAL
2-E102-D	ENLARGED 2ND FLOOR DEMOLITION PLAN - LIGHTING
2-EP202-D	ENLARGED 2ND FLOOR DEMOLITION PLAN - POWER
2-ET102-N	ENLARGED 2ND FLOOR RENOVATION PLAN - SYSTEMS
2-E501	RISE AND DETAILS - ELECTRICAL
2-E502	SCHEDULES - ELECTRICAL
2-FF102	ENLARGED 2ND FLOOR FIRE PROTECTION
2-PL001	LEGEND, NOTES AND SCHEDULES - PLUMBING
2-PL102-D	ENLARGED 2ND FLOOR DEMOLITION PLAN - PLUMBING
2-PL102-N	ENLARGED 2ND FLOOR RENOVATION PLAN - SANITARY AND VENT
2-PE202-N	ENLARGED 2ND FLOOR RENOVATION PLAN - DOMESTIC WATER

FOR REFERENCE ONLY - DRAWINGS UNDER SEPARATE COVER

SHEET NUMBER	SHEET NAME
3-G001	LOCATION, SITE PLAN, AND SHEET INDEX - VCS SET
3-G002	AREA OF WORK PLAN - 2ND FLOOR - VCS
3-AE100	ENLARGED AND FLOOR REFLECTED CEILING PLAN - ARCHITECTURAL
3-AE102-D	ENLARGED 2ND FLOOR DEMOLITION PLAN - ARCHITECTURAL
3-AE102-N	ENLARGED 2ND FLOOR RENOVATION PLAN - ARCHITECTURAL
3-AF102	ENLARGED 2ND FLOOR FINISH PLAN - ARCHITECTURAL
3-AQ102	ENLARGED 2ND FLOOR EQUIPMENT PLAN - ARCHITECTURAL
3-AW102	ENLARGED 2ND FLOOR LIFE SAFETY PLAN - ARCHITECTURAL
3-MH001	LEGEND, NOTES AND SCHEDULES - HVAC
3-MH002	SCHEDULES - HVAC
3-MH102-D	ENLARGED 2ND FLOOR DEMOLITION PLAN - HVAC
3-MH102-N	ENLARGED 2ND FLOOR RENOVATION PLAN - HVAC
3-MH104	MECHANICAL ROOM - HVAC
3-MH115	ENLARGED 15TH FLOOR PLANS - HVAC
3-MH402	ENLARGED B200 MECHANICAL ROOM - HVAC
3-MH501	DETAILS - HVAC
3-MH502	DETAILS - HVAC
3-MH503	KITCHEN HOOD DRAWINGS - FOR REFERENCE ONLY - VCS
3-MH602	CONTROLS - HVAC
3-E001	LEGEND, NOTES AND SCHEDULES - ELECTRICAL
3-E102-D	ENLARGED 2ND FLOOR DEMOLITION PLAN - LIGHTING
3-E102-N	ENLARGED 2ND FLOOR RENOVATION PLAN - LIGHTING
3-EP202-D	ENLARGED 2ND FLOOR DEMOLITION PLAN - POWER
3-EP204	ENLARGED 4TH FLOOR PLANS - POWER
3-EPT15	ENLARGED 15TH FLOOR PLANS - POWER
3-ET102-N	ENLARGED 2ND FLOOR RENOVATION PLAN - SPECIAL SYSTEMS
3-E502	SCHEDULES - ELECTRICAL
3-FF102	ENLARGED 2ND FLOOR FIRE PROTECTION
3-PL001	LEGEND, NOTES AND SCHEDULES - PLUMBING
3-PL102-D	ENLARGED 2ND FLOOR DEMO PLAN - PLUMBING - VCS
3-PL102-N	ENLARGED 2ND FLOOR RENOVATION PLAN - SANITARY AND VENT - VCS
3-PE202-N	ENLARGED 2ND FLOOR RENOVATION PLAN - DOMESTIC WATER

Revisors:	Date:

CONSULTANT

585 Main Street, Suite 201
Dunedin, FL 34698
927.753.8800
FL AC201190

ARCHITECT/ENGINEER OF RECORD

550 North Polo Street
Suite 203
Tampa, FL 33609
813.294.4700
COA F 6584

STAMP

DALE A. BACK, P.E.
38564

Office of Construction and Facilities Management

Approved: Project Director

DALE A. BACK, P.E.

U.S. Department of Veterans Affairs

Phase: 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: RENOVATE VCS PATRIOT CAFE

Location: MIAMI, FL

Issue Date: 02/09/2018

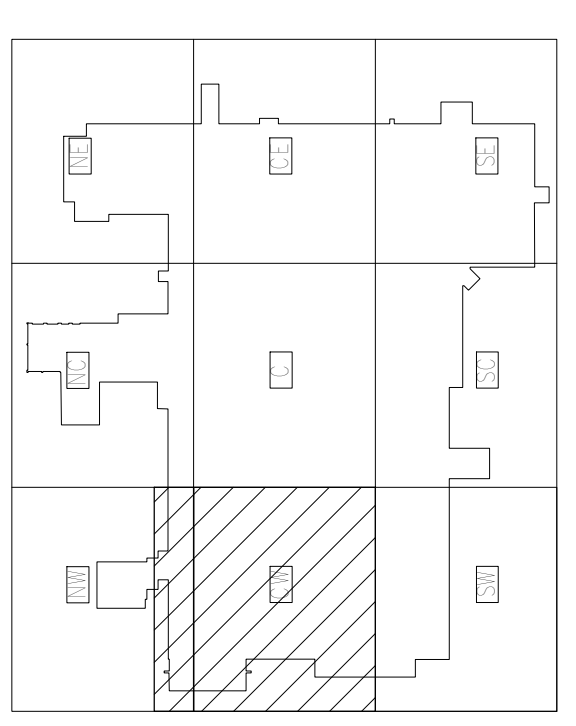
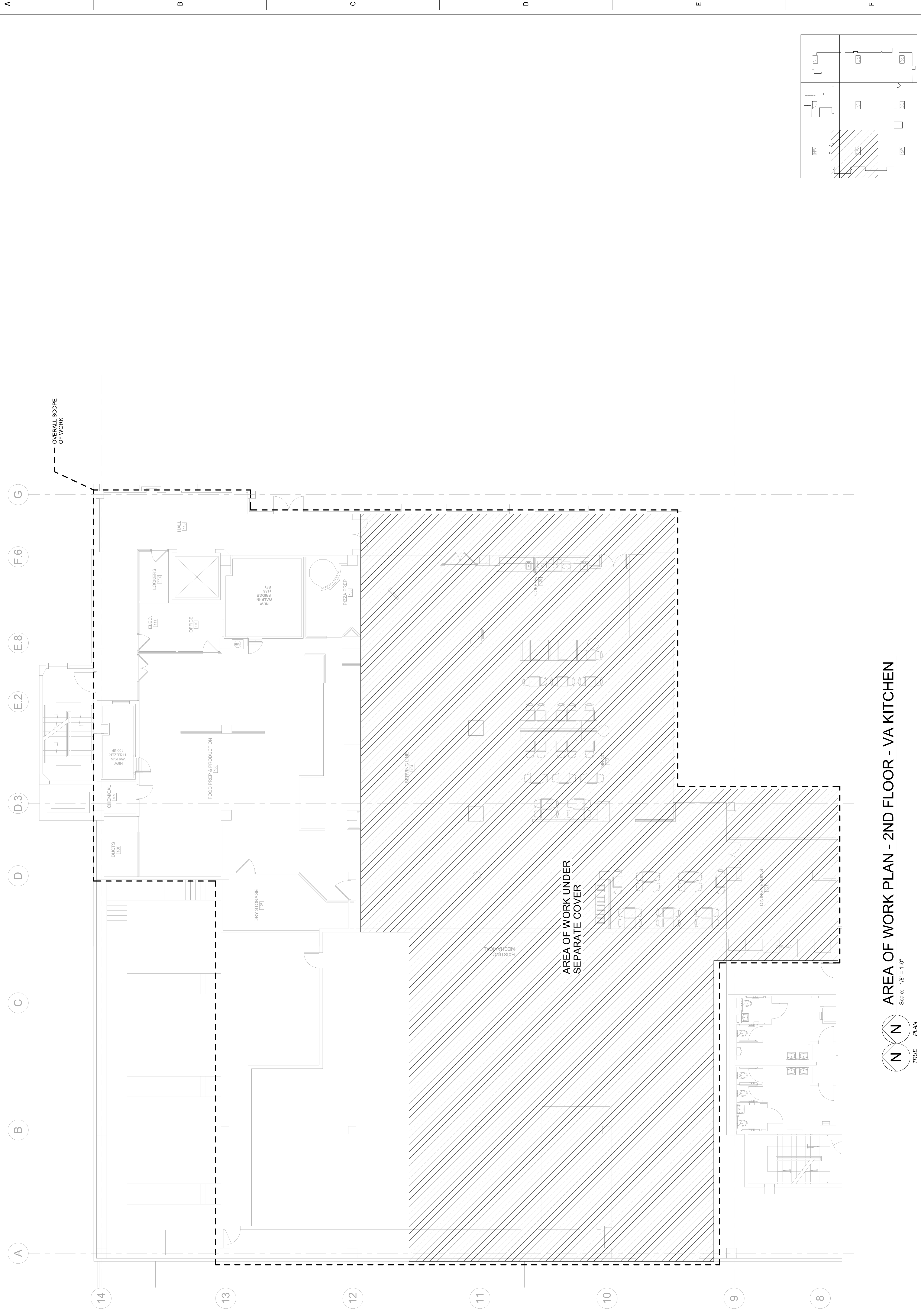
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Building Number: 1

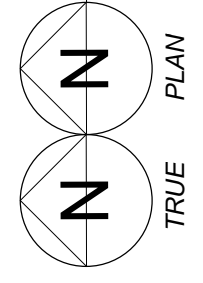
Drawing Number: 1-G001

Checked: NPS

Drawn: NPS



AREA OF WORK PLAN - 2ND FLOOR - VA KITCHEN
Scale: 1/8" = 1'-0"



Revisors:	Date:

CONSULTANT

THE LUNZ GROUP

565 Main Street, Suite 201
Dunedin, FL 34688
9 277.233.8000
FL: AC0201890

ARCHITECT/ENGINEER OF RECORD

MES GROUP

550 North Pine Street
Suite 203
Tampa, FL 33609
813.294.4700
COF# 5504

STAMP

DALE A. BACK, P.E.
38964

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
AREA OF WORK PLAN - 2ND FLOOR - VA KITCHEN

Approved: Project Director
DALE A. BACK, P.E.

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
RENOVATE VCS PATRIOT CAFE

Project Number
546-17-109

Building Number
1

Location
MIAMI, FL

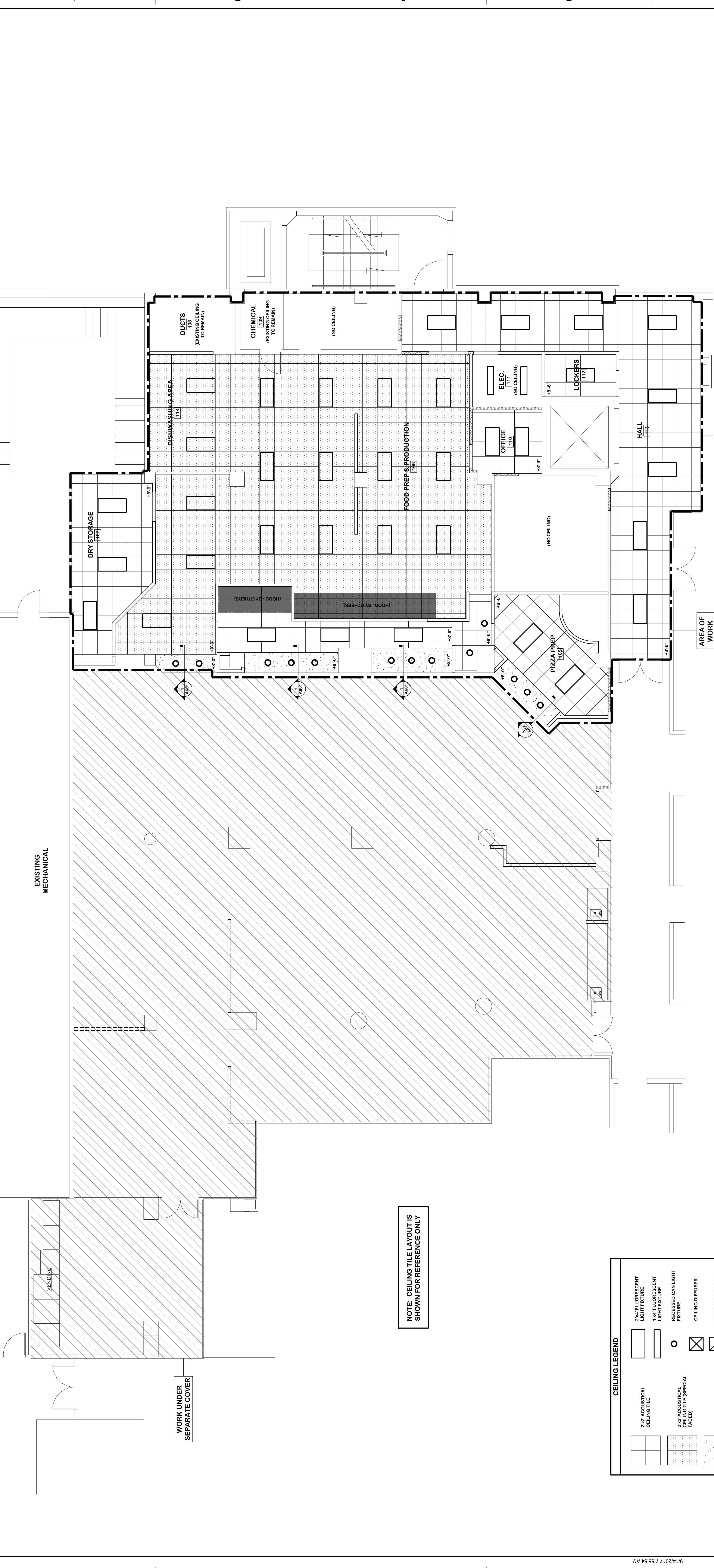
Issue Date
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Checked
NPS

Drawn
NPS

Drawing Number
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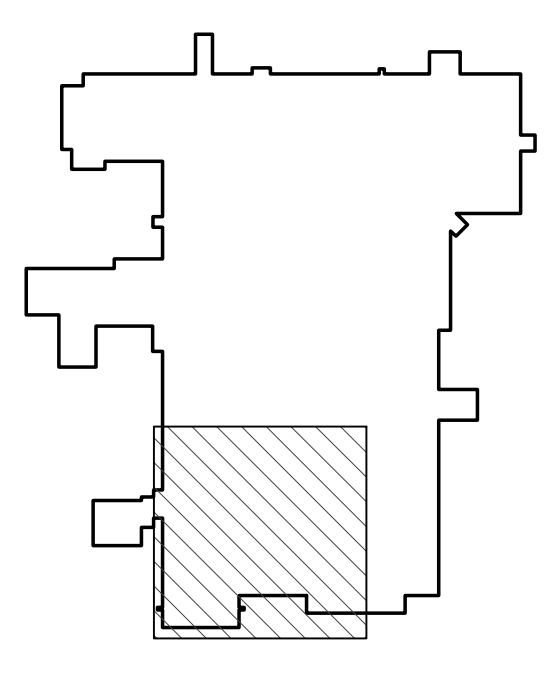
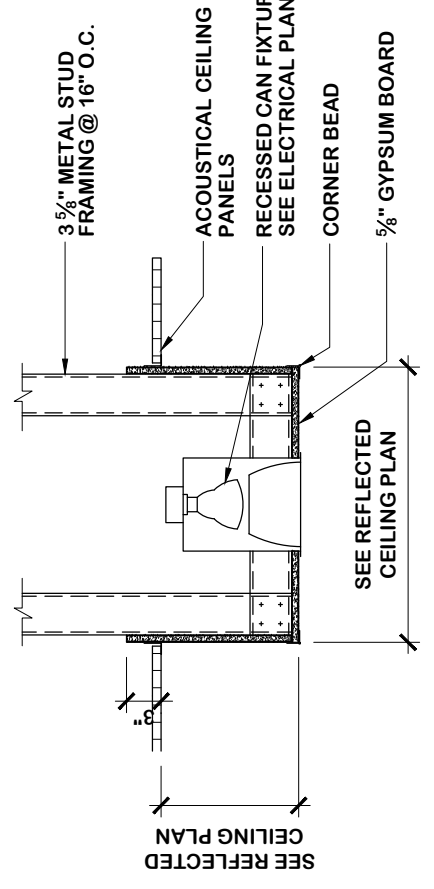


2nd FLOOR - REFLECTED CEILING PLAN
SCALE: 3/8" = 1'-0"

CEILING LEGEND

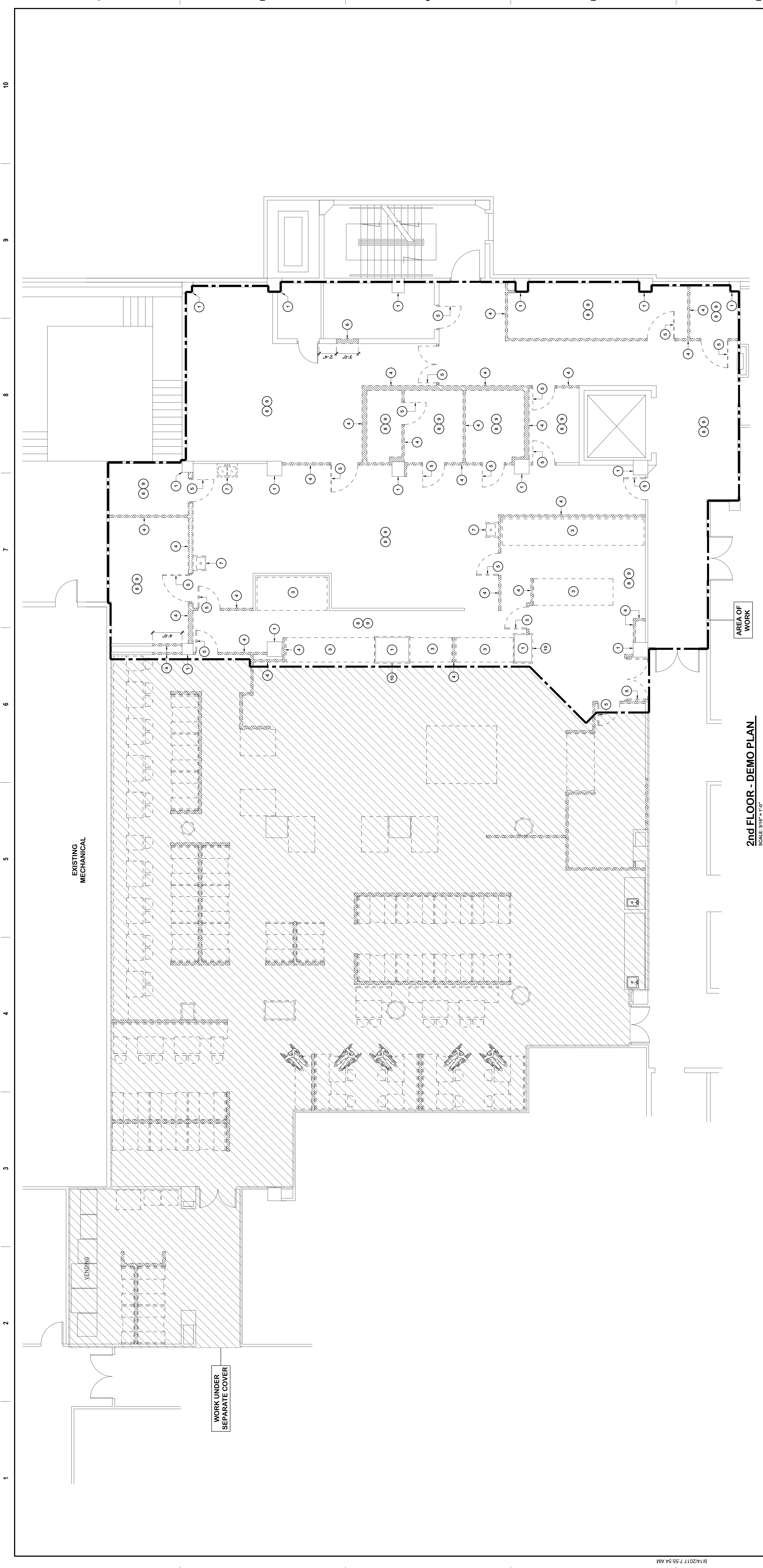
	2'x2' ACOUSTICAL CEILING TILE		2'x2' FLUORESCENT LIGHT FIXTURE
	1'x1' FLUORESCENT LIGHT FIXTURE		RECESSED CAN LIGHT FIXTURE
	2'x2' ACOUSTICAL TILE (TYPICAL)		CEILING DIFFUSER
	GYP-SUM BOARD CEILING BULKHEAD		RETURN AIR GRILLE
			EXHAUST GRILLE

SEE ELECTRICAL DRAWINGS FOR CEILING LIGHT FIXTURE LOCATIONS.



2ND FLOOR - KEYPLAN

<p>CONSULTANT</p> <p>THE LUNZ GROUP</p> <p>605 Lake Street, Suite 201 Dunedin, FL 34608 P: 727.253.9400 www.lunzgroup.com lic: 14000000</p>	<p>ARCHITECT/ENGINEER OF RECORD</p> <p>MES GROUP</p> <p>550 North Raso Street Suite 203 Tampa, FL 33609 P: 813.247.1000 CORA@MES.COM</p>	<p>OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT</p> <p>U.S. Department of Veterans Affairs VA</p>	<p>Office of Construction and Facilities Management</p> <p>Approved: Project Director DALE A. BACIK, P.E.</p>	<p>Drawing Title</p> <p>REFLECTED CEILING PLAN</p>	<p>Phase</p> <p>100% CONSTRUCTION DOCUMENTS</p>	<p>Project Title</p> <p>RENOVATE VCS PATRIOT CAFE</p>	<p>Project Number</p> <p>546-17-109</p>														
							<p>Building Number</p> <p>1</p>														
<p>Revisions:</p> <table border="1"> <tr><th>No.</th><th>Description</th><th>Date</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>		No.	Description	Date													<p>Location</p> <p>MIAMI, FL</p>	<p>Issue Date</p> <p>02/07/2016</p>	<p>Checked</p> <p>AP</p>	<p>Drawn</p> <p>MH</p>	<p>Drawing Number</p> <p>1-AC102</p>
No.	Description	Date																			



2nd FLOOR - DEMO PLAN
SCALE: 3/16" = 1'-0"

- DEMO KEYNOTES**
1. EXISTING STRUCTURAL COLUMN - MAINTAIN INTEGRITY DURING CONSTRUCTION
 2. EXISTING BOOTH/SEATING TO BE REMOVED
 3. EXISTING EQUIPMENT TO BE REMOVED (NOT ALL IS SHOWN ON PLAN)
 4. EXISTING WALLS SHOWN DASHED ARE TO BE REMOVED AND TO INCLUDE BUT NOT LIMITED TO WINDOWS, FRAMES, ELECTRICAL WIRING, CONDUITS ETC...
 5. EXISTING DOOR TO BE REMOVED
 6. PORTION OF EXISTING WALL TO BE REMOVED TO ALLOW FOR NEW DOOR - COORDINATE OPENING WITH EQUIPMENT AND/OR DOOR SCHEDULE.
 7. EXISTING PLUMBING FIXTURE TO BE REMOVED. WATER LINES TO BE CAPPED ABOVE CEILING, WASTE LINES BELOW SLAB.
 8. REMOVE EXISTING FLOOR FINISHES, CLEAN & PREPARE FLOOR TO RECEIVE NEW FINISHES.
 9. REMOVE EXISTING CEILING TILES & GRID TO BE DEMOLISHED.
 10. REMOVE MOSAIC TILE FROM EXISTING COLUMNS. PATCH & REPAIR COLUMN FINISH.

- DEMOLITION GENERAL NOTES**
1. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFE AND HEALTHY DISPOSAL OF ALL MATERIALS DEMOLISHED. HOWEVER, THE OWNER SHALL BE GIVEN THE OPPORTUNITY TO SALVAGE ANY EQUIPMENT, FIXTURES OR MATERIAL.
 2. ALL EXISTING CONSTRUCTION TO REMAIN SHALL BE PATCHED AND REPAIRED AT AREAS WHERE DEMOLITION WORK HAS OCCURRED TO A CONDITION THAT MATCHES THE EXISTING ADJACENT CONSTRUCTION. EXISTING WALLS THAT CONTAIN REQUIRED WORK, AFTER COMPLETION, RECONSTRUCT TO A CONDITION THAT MATCHES NEW CONSTRUCTION. FINISH WITH MATCH EXISTING. EXISTING FLOORS WHERE CONSTRUCTION HAS BEEN REMOVED SHALL BE PATCHED AND LEVELLED TO MATCH EXISTING.
 3. WHERE OPENINGS ARE CREATED IN EXISTING CONSTRUCTION SCHEDULED TO REMAIN (SUCH AS REMOVAL OF DOORS OR WINDOWS IN EXISTING WALLS TO REMAIN), FURNISH AND INSTALL NEW OPENINGS TO MATCH THE EXISTING UNLESS NEW FINISHES ARE SCHEDULED FOR THOSE SURFACES.
 4. ALL EXISTING FINISHES SHALL REMAIN UNLESS SCHEDULED FOR NEW. CONTINUE EXIST FINISHES TO REMAIN INTO NEW FINISHES WHERE SCHEDULED. FINISH ALL PATCHED OR EXTENDED WALLS TO THE NEAREST CHANGE OF DIRECTION. WALL THE FOLLOWING: INTERSECTION, PREPARATION OF SUBSTRATES TO RECEIVE NEW FINISHES SHALL INCLUDE, BUT NOT LIMITED TO:
 - SANDING OF CONCRETE SURFACES
 - SANDING OF STEEL WALL SURFACES
 - SANDING OF METAL FRAMES, ETC.
 5. GENERAL CONTRACTOR SHALL NOTIFY ARCHITECT WITH ANY DISCREPANCIES IN WRITING UPON DISCOVERY.
 6. CONTRACTOR TO MAINTAIN INTEGRITY OF ALL EXISTING STRUCTURAL ELEMENTS DURING CONSTRUCTION AND NOTIFY ARCHITECT WITH ANY ISSUES THAT MIGHT APPEAR DURING DEMOLITION UPON DISCOVERY.

Revisions:

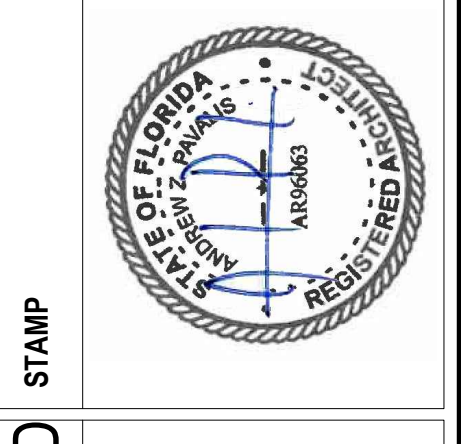
NO.	DATE	DESCRIPTION

CONSULTANT

THE LUNZ GROUP
 255 Lake Street, Suite 201
 Dunedin, FL 34608
 P: 727.253.9400
 www.lunzgroup.com
 Lic. #14000000

ARCHITECT/ENGINEER OF RECORD

MES GROUP
 550 North Raso Street
 Suite 203
 Tampa, FL 33609
 P: 813.281.1000
 CO.# 8204



Office of Construction and Facilities Management
 U.S. Department of Veterans Affairs
 VA

Drawing Title
 DEMO - FLOOR PLAN

Approved: Project Director
 DALE A. BACIK, P.E.

Phase
 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
 RENOVATE VCS PATRIOT CAFE

Project Number
 546-17-109

Building Number
 1

Location
 MIAMI, FL

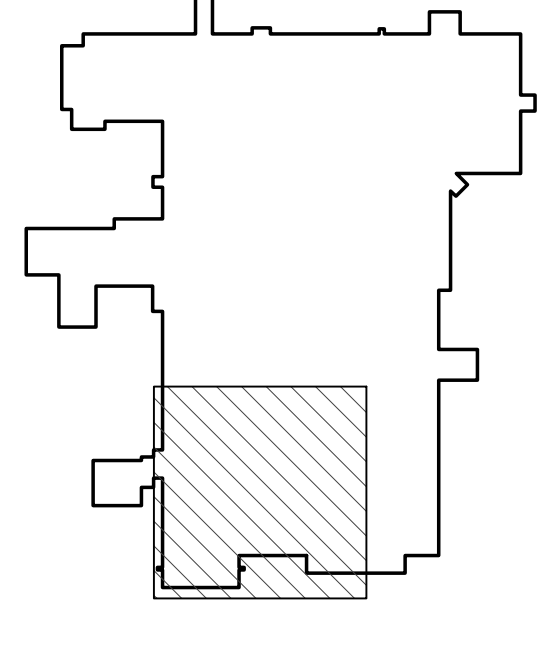
Issue Date
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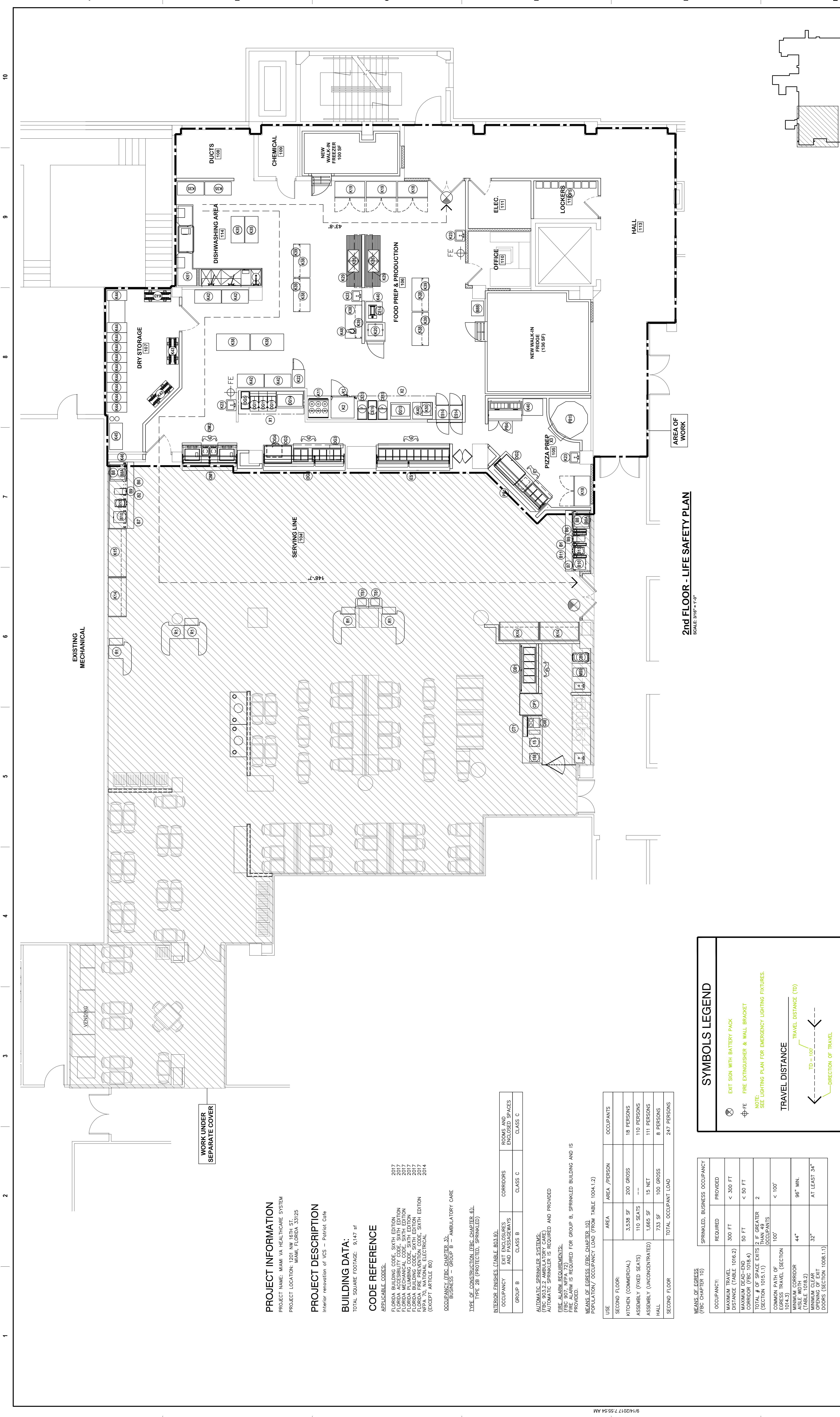
Drawing Number
 1-AE102-D

Checked
 AP

Drawn
 MH

2ND FLOOR - KEYPLAN





2ND FLOOR - LIFE SAFETY PLAN
SCALE: 3/16" = 1'-0"

2ND FLOOR - KEYPLAN

PROJECT INFORMATION

PROJECT NAME: MIAMI VA HEALTHCARE SYSTEM
PROJECT LOCATION: 1201 NW 16TH ST, MIAMI, FLORIDA 33125

PROJECT DESCRIPTION

Interior renovation of VCS - Patriot Cafe

BUILDING DATA:

TOTAL SQUARE FOOTAGE: 9,147 sf

CODE REFERENCE

- 2017 FLORIDA BUILDING CODE, SIXTH EDITION
- 2017 FLORIDA MECHANICAL CODE, SIXTH EDITION
- 2017 FLORIDA PLUMBING CODE, SIXTH EDITION
- 2017 FLORIDA FIRE PREVENTION CODE, SIXTH EDITION
- 2014 NFPA 70, NATIONAL ELECTRICAL CODE (ARTICLE 65)

OCCUPANCY (FBC CHAPTER 3):

BUSINESS - GROUP B - AMBULATORY CARE

TYPE OF CONSTRUCTION (FBC CHAPTER 6):

TYPE 2B (PROTECTED, SPRINKLED)

OCCUPANCY	EXIT ENCLOSURES AND PASSAGEWAYS	CORRIDORS	ROOMS AND ENCLOSED SPACES	CLASS	CLASS
GROUP B	CLASS B	CLASS B	CLASS C	CLASS C	CLASS C

INTERIOR FINISHES (TABLE 803.9):
EXITS: CLASS B
CORRIDORS: CLASS B
ROOMS AND ENCLOSED SPACES: CLASS C

AUTOMATIC SPRINKLER SYSTEMS (FBC 903.2.2 AMBULATORY CARE):
AUTOMATIC SPRINKLER IS REQUIRED AND PROVIDED

FIRE ALARM REQUIREMENTS:
FIRE ALARM IS REQUIRED FOR GROUP B, SPRINKLED BUILDING AND IS PROVIDED.

MEANS OF EGRESS (FBC CHAPTER 10):
POPULATION / OCCUPANCY LOAD (FROM TABLE 1004.1.2)

USE	AREA	AREA /PERSON	OCCUPANTS
SECOND FLOOR			
KITCHEN (COMMERCIAL)	3,538 SF	200 GROSS	18 PERSONS
ASSEMBLY (FIXED SEATS)	110 SF	--	110 PERSONS
ASSEMBLY (UNCONCENTRATED)	1,465 SF	15 NET	111 PERSONS
HALL	733 SF	100 GROSS	8 PERSONS
SECOND FLOOR		TOTAL OCCUPANT LOAD	247 PERSONS

SYMBOLS LEGEND

- EXIT SIGN WITH BATTERY PACK
- FIRE EXTINGUISHER & WALL BRACKET
- NOTE: SEE LIGHTING PLAN FOR EMERGENCY LIGHTING FIXTURES.
- TRAVEL DISTANCE (TD)
- TRAVEL DISTANCE (TD) = 10' - 10'
- DIRECTION OF TRAVEL

MEANS OF EGRESS (FBC CHAPTER 10)

OCCUPANCY	REQUIRED	PROVIDED
MAXIMUM TRAVEL DISTANCE (TABLE 1016.2)	300 FT	< 300 FT
CORRIDOR WIDTH (TABLE 1016.4)	50 FT	< 50 FT
TOTAL # OF SPACE EXITS (SECTION 1015.1.1)	2	2
COMMON PATH OF EGRESS TRAVEL (SECTION 1014.3)	< 100'	< 100'
MINIMUM CLEAR WIDTH (TABLE 1018.2)	44"	96" MIN.
MINIMUM CLEAR HEIGHT (SECTION 1008.1.1)	32"	AT LEAST 34"

CONSULTANT

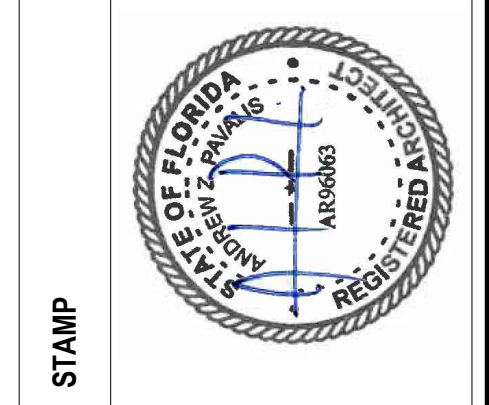
THE LUNZ GROUP

655 Lake Street, Suite 201
Dunedin, FL 34608
P: 727.253.9400
www.lunzgroup.com
lic: 140000050

ARCHITECT/ENGINEER OF RECORD STAMP

MES GROUP

550 North Reo Street
Suite 203
Tampa, FL 33609
P: 813.248.1100
CA# 6304



Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

VA

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
RENOVATE VCS PATRIOT CAFE

Project Number
546-17-109

Building Number
1

Location
MIAMI, FL

Issue Date
02/07/2016

Project Number
1-AW102

Checked
AP

Drawn
MH

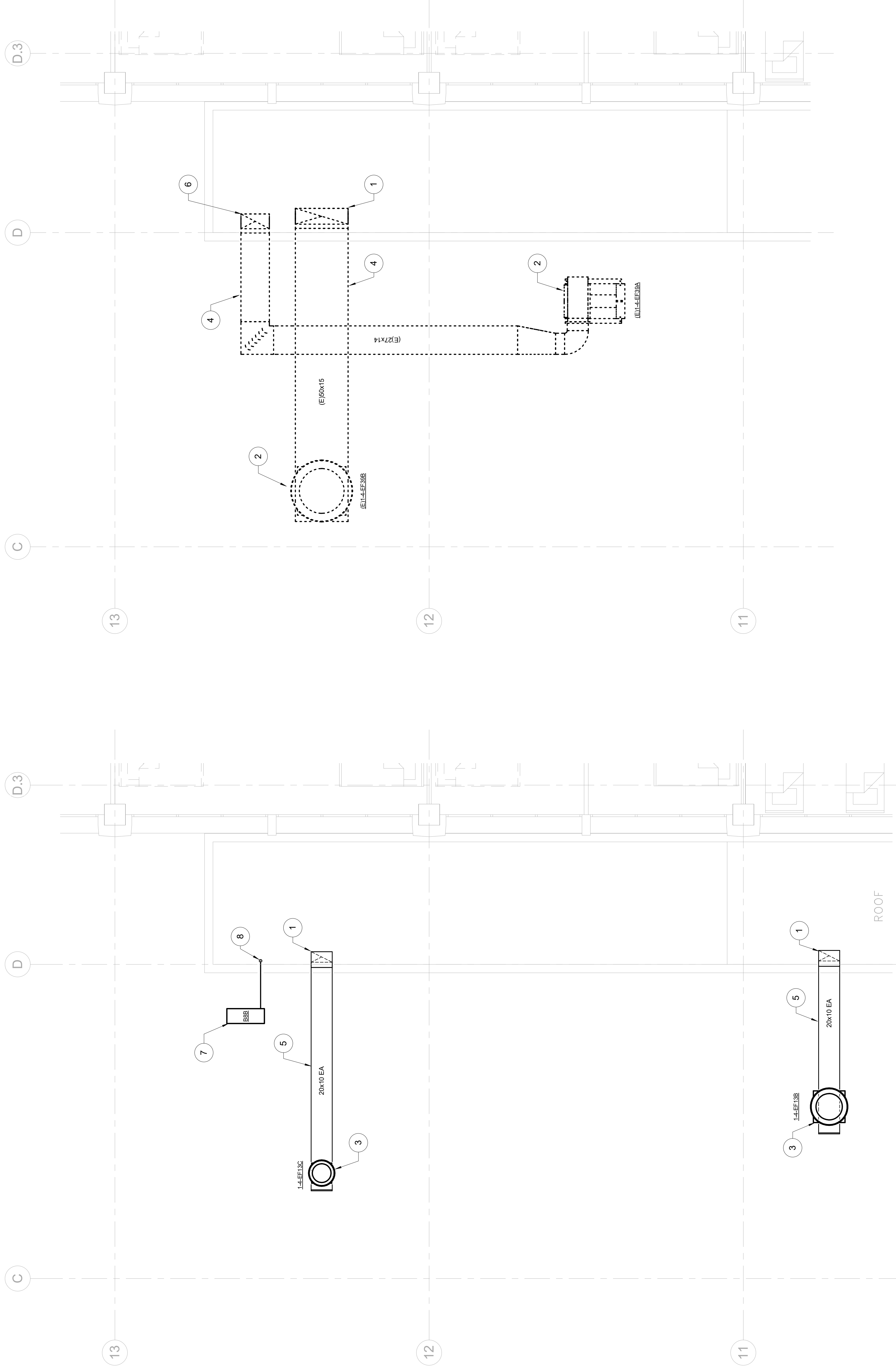
1 2 3 4 5 6 7 8 9 10

GENERAL NOTES

1. ALL SERVICE INTERRUPTIONS TO THIS EXISTING FACILITY MUST BE SCHEDULED AT LEAST 2 WEEKS IN ADVANCE AND BE KEPT TO A MINIMUM. COORDINATE ALL DISRUPTIVE WORK AND OUTAGE REQUIREMENTS WITH THE COR.
2. EXISTING EQUIPMENT, PIPE ROUTING, AND ASSOCIATED COMPONENTS SHOWN ON THIS DRAWING ARE TO REMAIN UNLESS OTHERWISE NOTED. VERIFY ALL COMPONENTS AND ARE PROVIDED FOR REFERENCE. USE ONLY FIELD VERIFY AND COORDINATE WITH EXACT LOCATIONS, ELEVATIONS, SIZES, AND CONDITIONS OF EXISTING COMPONENTS.
3. DUCTWORK, PIPING, AND ASSOCIATED COMPONENTS ABOVE 2ND FLOOR ROOMS ARE LOCATED IN THE CEILING SPACE.

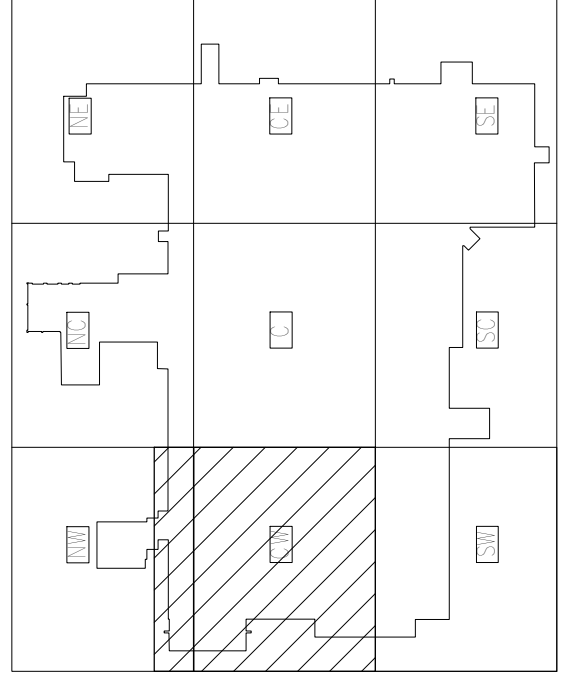
KEYNOTES

1. EXHAUST DUCT DOWN TO FLOOR BELOW.
2. REMOVE AND PROPERLY DISPOSE OF EXISTING EXHAUST FAN AND ALL ASSOCIATED PIPING AND EQUIPMENT. VERIFY THE EXISTING FAN IS PROPERLY SIZED FOR CONSTRUCTION. CONTACT COR AND EOR IF ANY DISCREPANCIES ARISE.
3. INSTALL EXHAUST FAN ON FIELD FABRICATED CURB. INTERLOCK EXHAUST FAN WITH ASSOCIATED EXHAUST HOOD. PROVIDE VFD AND LIGHTNING PROTECTION. REFER TO MANUFACTURER'S INSTALLATION MANUAL FOR MORE INFORMATION.
4. REMOVE AND PROPERLY DISPOSE OF EXISTING DUCTWORK ON ROOF.
5. ALL DUCTWORK EXPOSED TO THE ELEMENTS SHALL BE PROPERLY INSULATED AND WHENEVER REFER TO VA SPECIFICATIONS FOR MORE INFORMATION.
6. SUPPLY DUCTWORK DOWN TO FLOOR BELOW.
7. REMOVE CONDENSER FOR ICE MAKER (EQUIPMENT MARK B88 IN KITCHEN EQUIPMENT SCHEDULE). REFER TO INSTALLATION MANUAL FOR REQUIRED DOWN WALL AS SHOWN AND TO INSURE ICE MAKER ACCORDING TO INSTALLATION MANUAL.
8. REFRIGERANT PIPES DOWN TO 2ND FLOOR CEILING FROM REMOTE ICE MAKERS CONDENSER ABOVE. ENSURE REFRIGERANT PIPES ARE PROPERLY INSULATED AND PROTECTED FROM THE ELEMENTS WHERE EXPOSED.



ENLARGED 4TH FLOOR RENOVATION PLAN - MECHANICAL - VA KITCHEN
 Scale: 1/4" = 1'-0"
 TRUE PLAN

ENLARGED 4TH FLOOR DEMOLITION PLAN - MECHANICAL - VA KITCHEN
 Scale: 1/4" = 1'-0"
 TRUE PLAN



Revisors:

NO.	DATE	DESCRIPTION	BY

CONSULTANT

THE LUNZ GROUP

585 Main Street, Suite 201
 Dunedin, FL 34688
 927.733.8000
 lic: AC0201800

ARCHITECT/ENGINEER OF RECORD

MES GROUP

550 North Pro Street
 Suite 203
 Tampa, FL 33609
 813.294.4700
 CO# F 5504

STAMP

NICHOLAS P. STEPHENSON, P.E.
 82823

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
 ENLARGED 4TH FLOOR PLANS - HVAC

Approved: Project Director
 DALE A. BACIK, P.E.

Phase
 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
 RENOVATE VCS PATRIOT CAFE

Project Number
 546-17-109

Building Number
 1

Location
 MIAMI, FL

Issue Date
 02/09/2018

Drawing Number
 1-MH104

Checked
 NPS

Drawn
 NPS

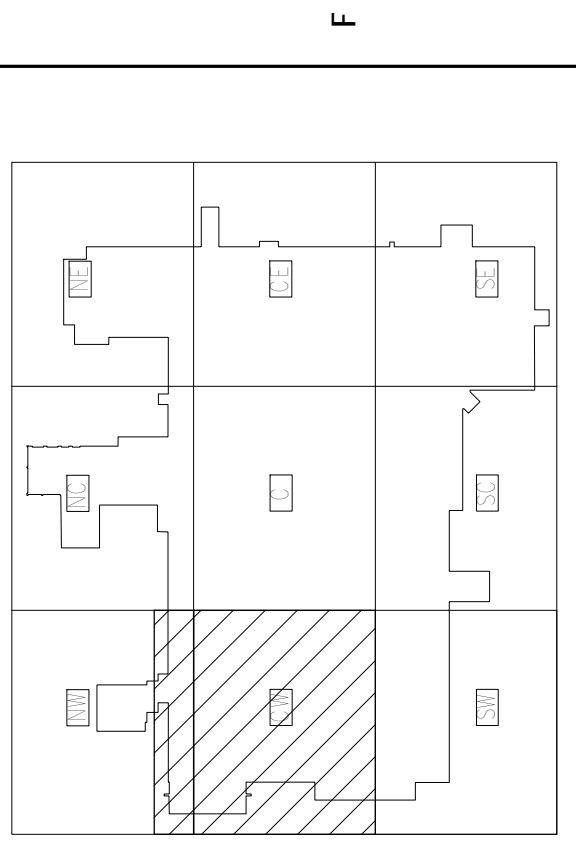
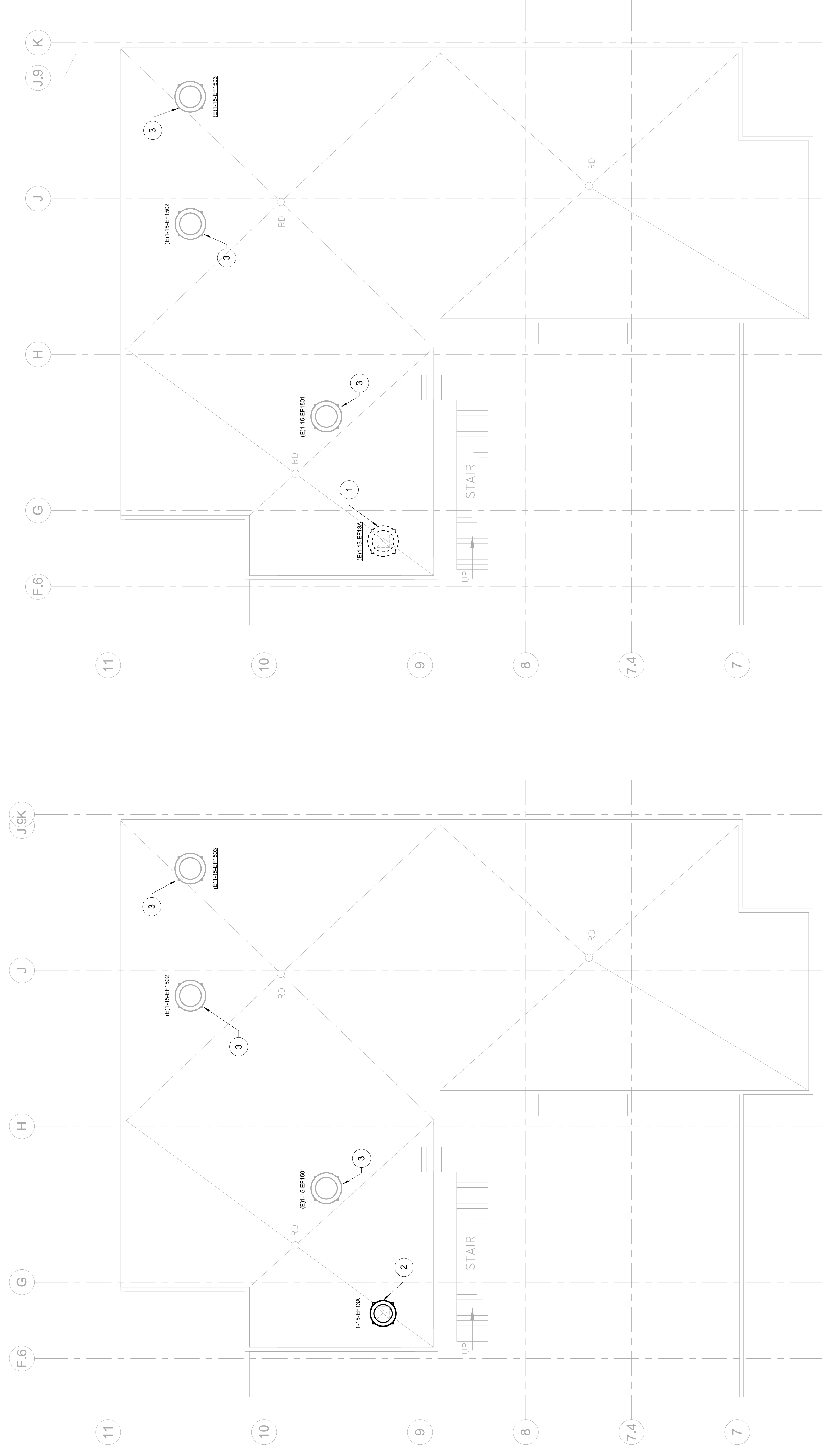
1 2 3 4 5 6 7 8 9 10

GENERAL NOTES

1. ALL SERVICE INTERRUPTIONS TO THIS EXISTING FACILITY MUST BE SCHEDULED AT LEAST 2 WEEKS IN ADVANCE AND BE KEPT TO A MINIMUM. COORDINATE ALL DISRUPTIVE WORK AND OUTAGE REQUIREMENTS WITH THE COR.
2. EXISTING EQUIPMENT, PIPE ROUTING, AND ASSOCIATED COMPONENTS SHOWN AS TO BE REMOVED SHALL BE IDENTIFIED AND FIELD VERIFIED AND COORDINATE WITH EXACT LOCATIONS, ELEVATIONS, SIZES, AND CONDITIONS OF EXISTING COMPONENTS.
3. DUCTWORK, PIPING, AND ASSOCIATED COMPONENTS ABOVE 2ND FLOOR ROOMS ARE LOCATED IN THE CEILING SPACE.

KEYNOTES

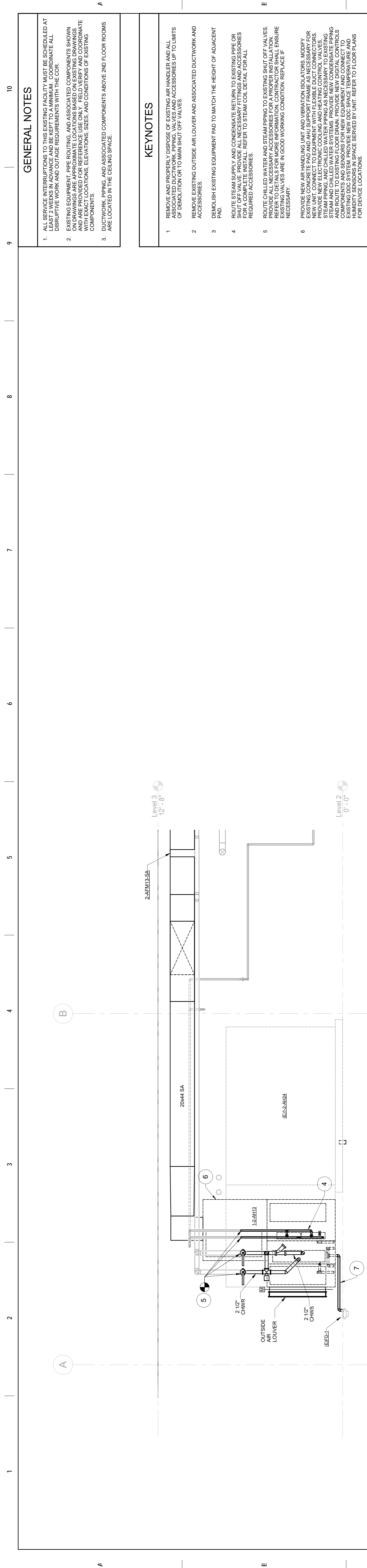
- 1 REMOVE AND PROPERLY DISPOSE OF EXISTING EXHAUST FAN. PREPARE CURB FOR NEW EXHAUST FAN INSTALLATION AND CAP.
- 2 INSTALL NEW EXHAUST FAN ON EXISTING CURB AND CONNECT TO EXISTING DUCTWORK. PROVIDE CURB WITH LIGHTNING PROTECTION. REFER TO MANUFACTURER'S INSTALLATION MANUAL FOR MORE INFORMATION.
- 3 EXISTING EXHAUST FANS TO REMAIN.



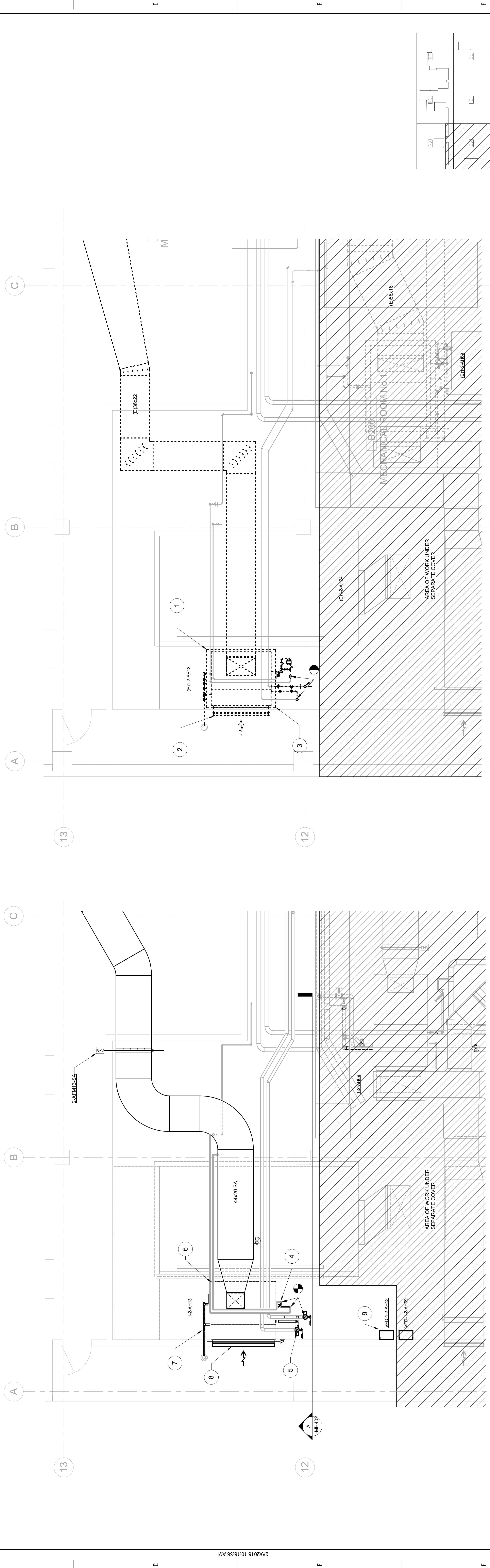
ENLARGED 15TH FLOOR RENOVATION PLAN - MECHANICAL - VA KITCHEN
 Scale: 1/8" = 1'-0"
 TRUE PLAN

ENLARGED 15TH FLOOR DEMOLITION PLAN - MECHANICAL - VA KITCHEN
 Scale: 1/8" = 1'-0"
 TRUE PLAN

<p>Project Title: RENOVATE VCS PATRIOT CAFE Project Number: 546-17-109 Building Number: 1</p>		<p>Phase: 100% CONSTRUCTION DOCUMENTS</p>	
<p>Location: MIAMI, FL Issue Date: 02/09/2018</p>		<p>Approved: Project Director DALE A. BACIK, P.E.</p>	
<p>Office of Construction and Facilities Management U.S. Department of Veterans Affairs</p>		<p>FULLY SPRINKLERED</p>	
<p>ARCHITECT/ENGINEER OF RECORD MES GROUP 550 North Pro Street Suite 203 Tampa, FL 33609 813.294.4700 COA# 5504</p>		<p>CONSULTANT THE LUNZ GROUP 585 Main Street, Suite 201 Dunedin, FL 34688 942.733.8800 E: AEC01080</p>	
<p>Revisors:</p>		<p>Project Number: 546-17-109 Building Number: 1 Drawing Number: 1-MH115</p>	



1-2-AH13 RENOVATION EAST-WEST SECTION - HVAC - VA KITCHEN
Scale: 3/8" = 1'-0"



ENLARGED 1 - 1-2-AH13 & 1-2-AH09 RENOVATION PLAN - HVAC - VA KITCHEN
Scale: 1/4" = 1'-0"

- GENERAL NOTES**
1. ALL SERVICE INTERRUPTIONS TO THIS EXISTING FACILITY MUST BE SCHEDULED AT LEAST 2 WEEKS IN ADVANCE AND BE KEPT TO A MINIMUM. COORDINATE ALL DISRUPTIVE WORK AND OUTAGE REQUIREMENTS WITH THE COR.
 2. EXISTING EQUIPMENT, PIPE ROUTING, AND ASSOCIATED COMPONENTS SHOWN AS EXISTING SHALL BE MAINTAINED UNLESS OTHERWISE NOTED. VERIFY AND COORDINATE WITH EXACT LOCATIONS, ELEVATIONS, SIZES, AND CONDITIONS OF EXISTING COMPONENTS.
 3. DUCTWORK, PIPING, AND ASSOCIATED COMPONENTS ABOVE 2ND FLOOR ROOMS ARE LOCATED IN THE CEILING SPACE.

- KEYNOTES**
1. REMOVE AND PROPERLY DISPOSE OF EXISTING AIR HANDLER AND ALL ASSOCIATED DUCTWORK, PIPING, VALVES AND ACCESSORIES UP TO LIMITS OF DEMOLITION OR TO MAIN SHUT OFF VALVES.
 2. REMOVE EXISTING OUTSIDE AIR LOUVER AND ASSOCIATED DUCTWORK AND ACCESSORIES.
 3. DEMOLISH EXISTING EQUIPMENT PAD TO MATCH THE HEIGHT OF ADJACENT PAD.
 4. ROUTE STEAM SUPPLY AND CONDENSATE RETURN TO EXISTING PIPE OR SHUT OFF VALVE. PROVIDE ALL NECESSARY FITTINGS AND ACCESSORIES FOR A COMPLETE INSTALL. REFER TO STEAM COIL DETAIL FOR ALL REQUIRED ACCESSORIES.
 5. ROUTE CHILLED WATER AND STEAM PIPING TO EXISTING SHUT OFF VALVES. PROVIDE ALL NECESSARY ACCESSORIES FOR A PROPER INSTALLATION. VERIFY AND COORDINATE WITH EXACT LOCATIONS, ELEVATIONS, SIZES, AND CONDITIONS OF EXISTING VALVES ARE IN GOOD WORKING CONDITION. REPLACE IF NECESSARY.
 6. PROVIDE NEW AIR HANDLING UNIT AND VIBRATION ISOLATORS. MODIFY EXISTING CONCRETE PAD AND AHU SUPPORT FRAME AS NECESSARY FOR PROPER SUPPORT AND VIBRATION ISOLATION. PROVIDE ALL NECESSARY ACCESSORIES FOR A PROPER INSTALLATION. VERIFY AND COORDINATE WITH EXACT LOCATIONS, ELEVATIONS, SIZES, AND CONDITIONS OF EXISTING STEAM PIPING, AND CHILLED WATER PIPING AS NECESSARY TO EXISTING EQUIPMENT. PROVIDE NEW ELECTRICAL AND PIPING CONTROLS AND ROUTE TO EXISTING FLOOR DRAIN. PROVIDE NEW DIGITAL CONTROLS COMPONENTS AND SENSORS FOR NEW EQUIPMENT AND CONNECT TO EXISTING ELECTRICAL SYSTEM. PROVIDE ALL NECESSARY ACCESSORIES FOR HUMIDITY SENSORS IN SPACE SERVED BY UNIT. REFER TO FLOOR PLANS FOR DEVICE LOCATIONS.
 7. ROUTE CONDENSATE TO NEAREST FLOOR DRAIN.
 8. PROVIDE 76x46 OUTSIDE AIR LOUVER.
 9. PROVIDE A VFD (ABB) FOR EACH INDIVIDUAL SUPPLY AND EXHAUST FAN.

Project Title
RENOVATE VCS PATRIOT CAFE

Project Number
546-17-109

Building Number
1

Drawing Number
1-MH402

Location
MIAMI, FL

Issue Date
02/09/2018

Checked
NPS

Drawn
NPS

Phase
100% CONSTRUCTION DOCUMENTS

Drawing Title
ENLARGED B200 MECHANICAL ROOM - HVAC

Approved: Project Director
DALE A. BACIK, P.E.

Office of Construction and Facilities Management
U.S. Department of Veterans Affairs

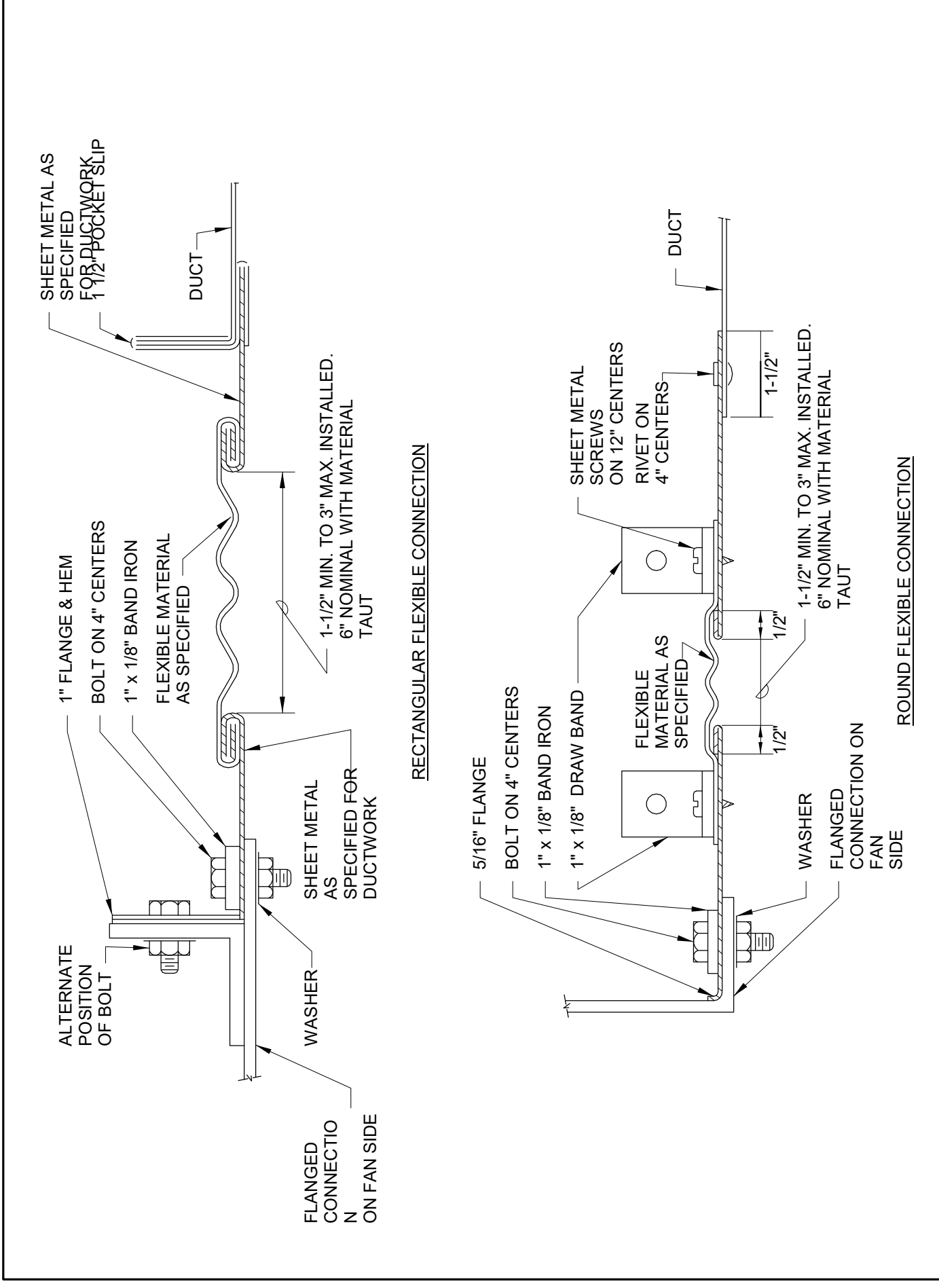
STAMP
NICHOLAS P. STEPHENSON, P.E.
80283

ARCHITECT/ENGINEER OF RECORD
MES GROUP
550 North Pro Street
Suite 203
Tampa, FL 33609
813.294.4700
COA# 5504

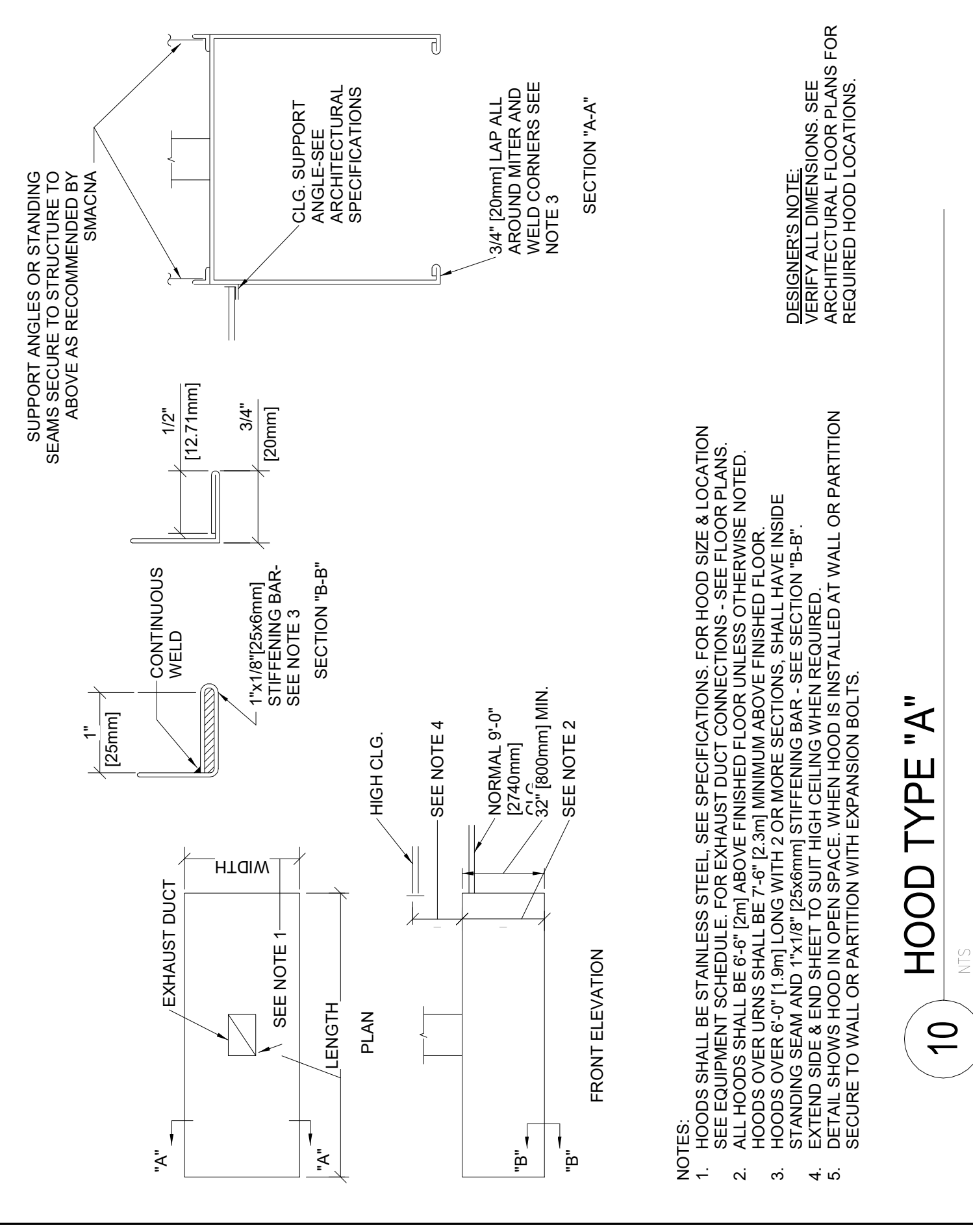
CONSULTANT
THE LUNZ GROUP
585 Main Street, Suite 201
Dunedin, FL 34688
9 277.733.8000
E: AEC201@LUNZ.COM

Revisors: _____

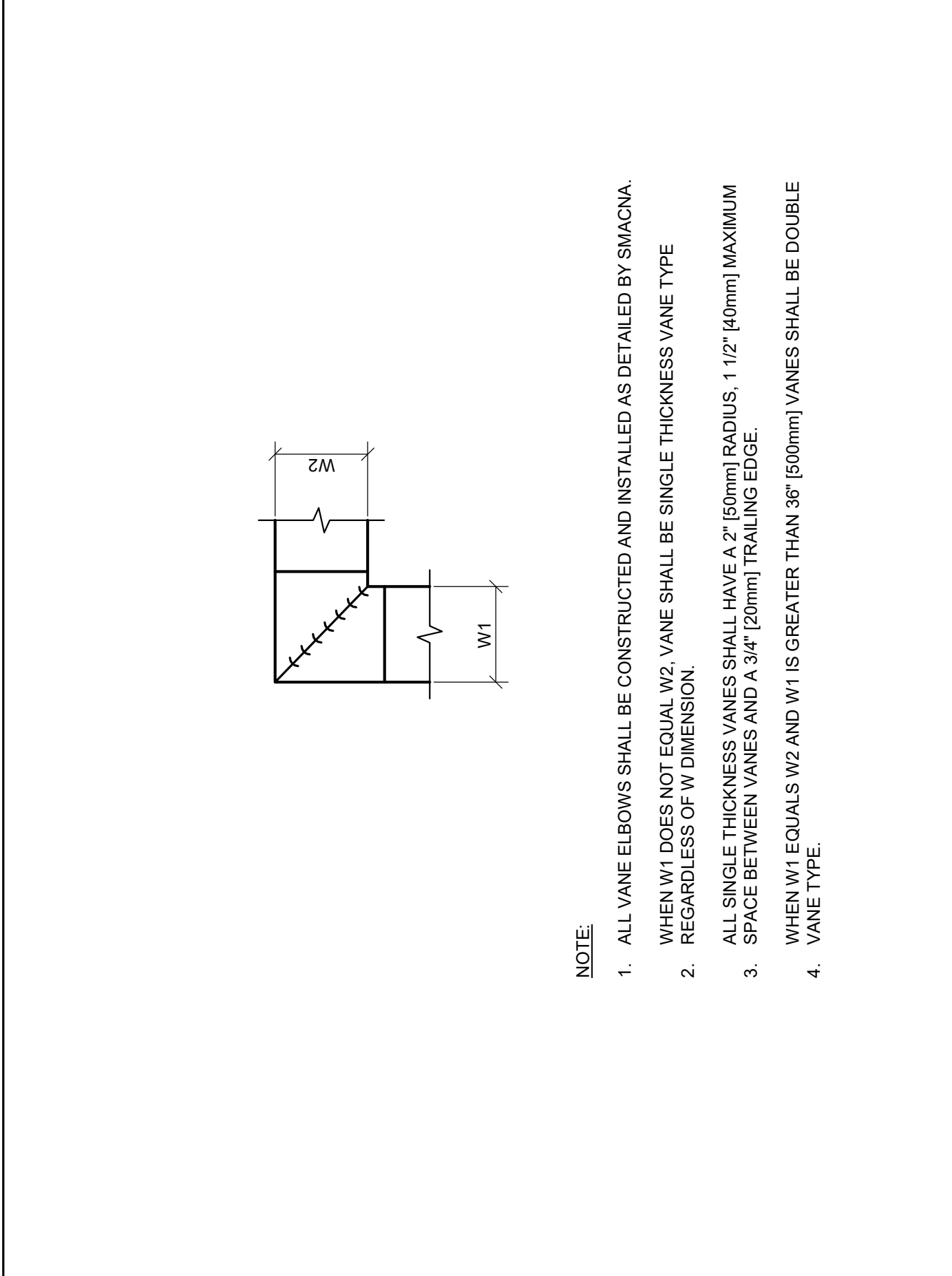
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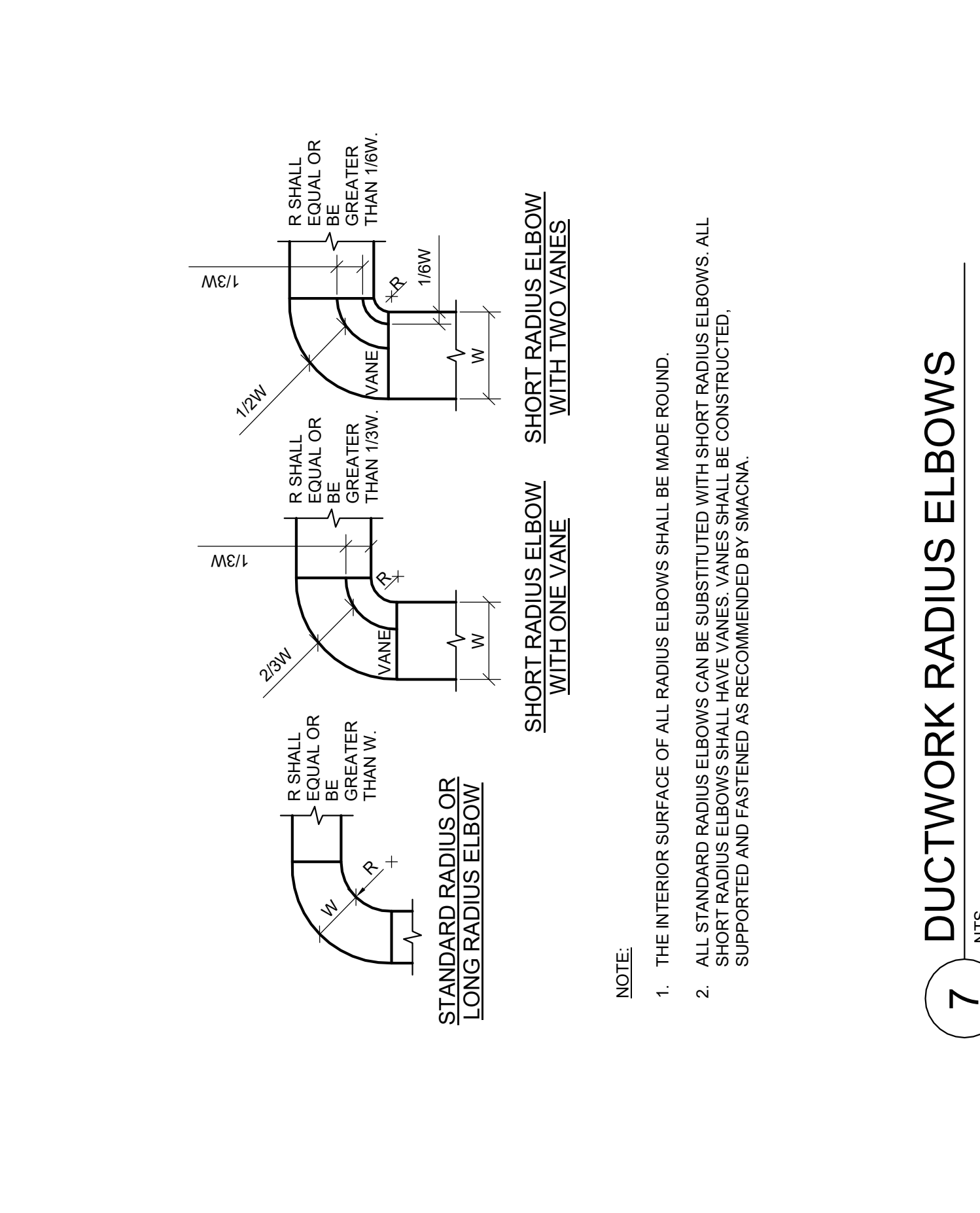
9 FLEXIBLE DUCT CONNECTIONS
NTS



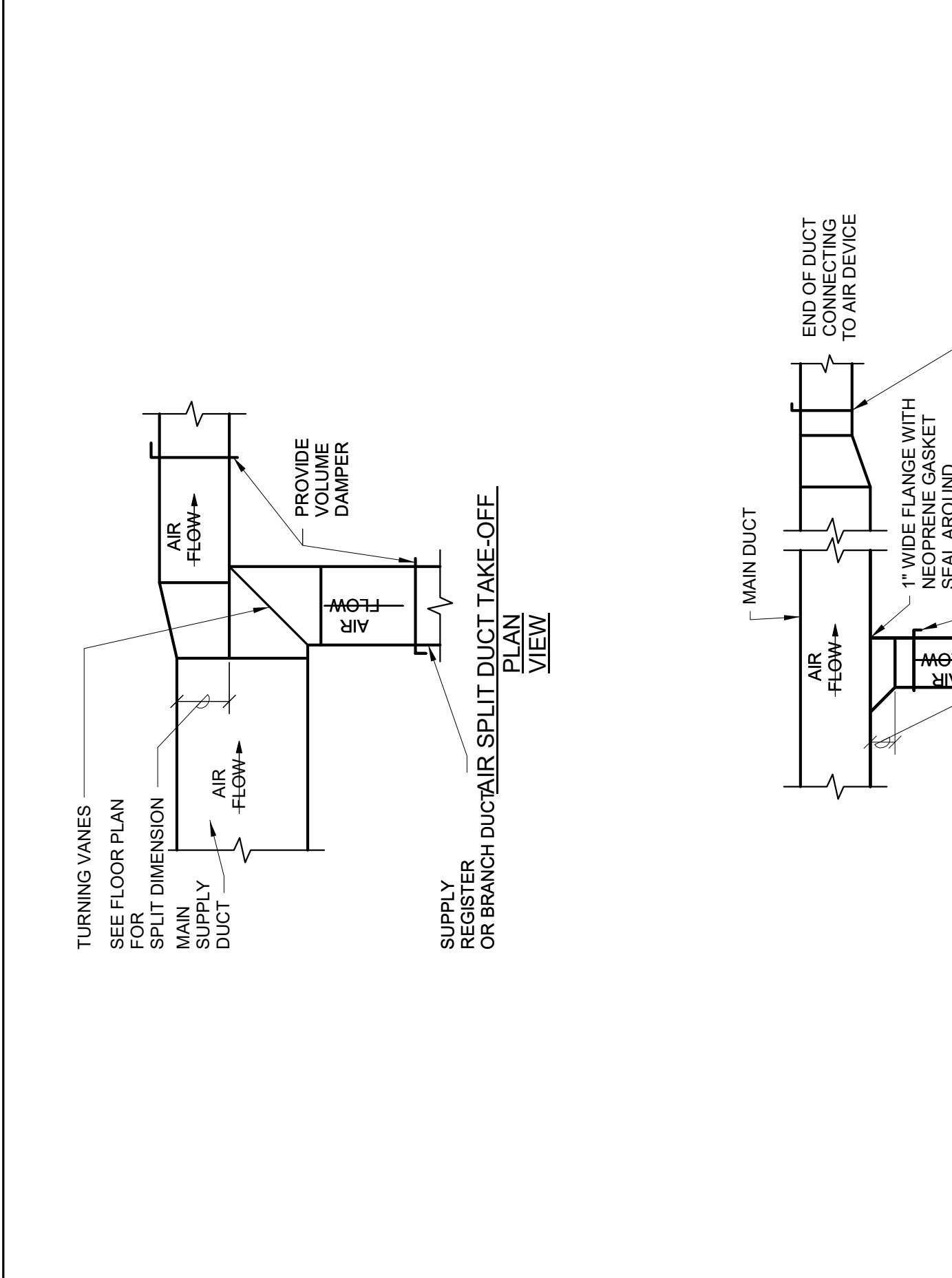
10 HOOD TYPE 'A'
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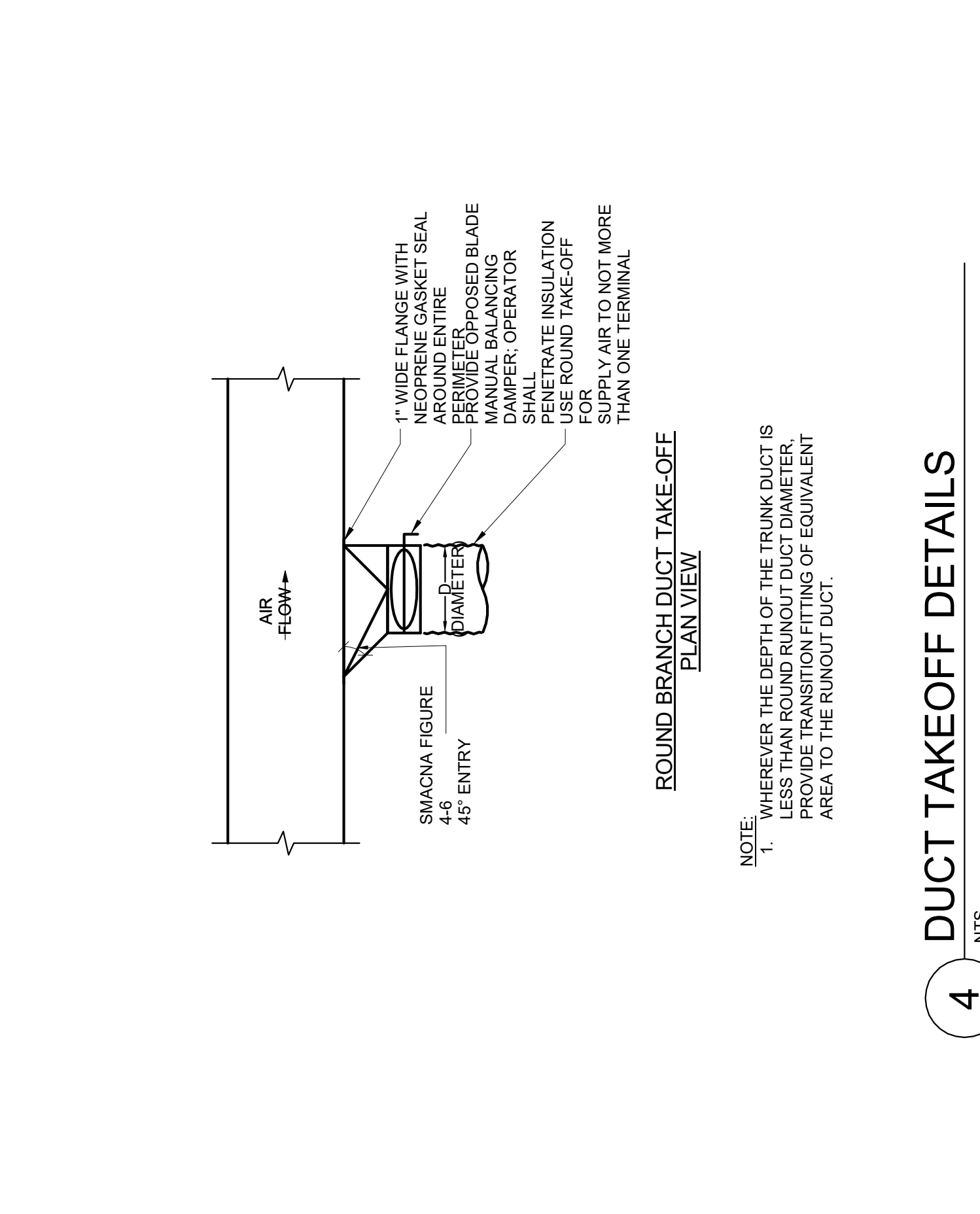
6 DUCTWORK SQUARE VANE ELBOWS
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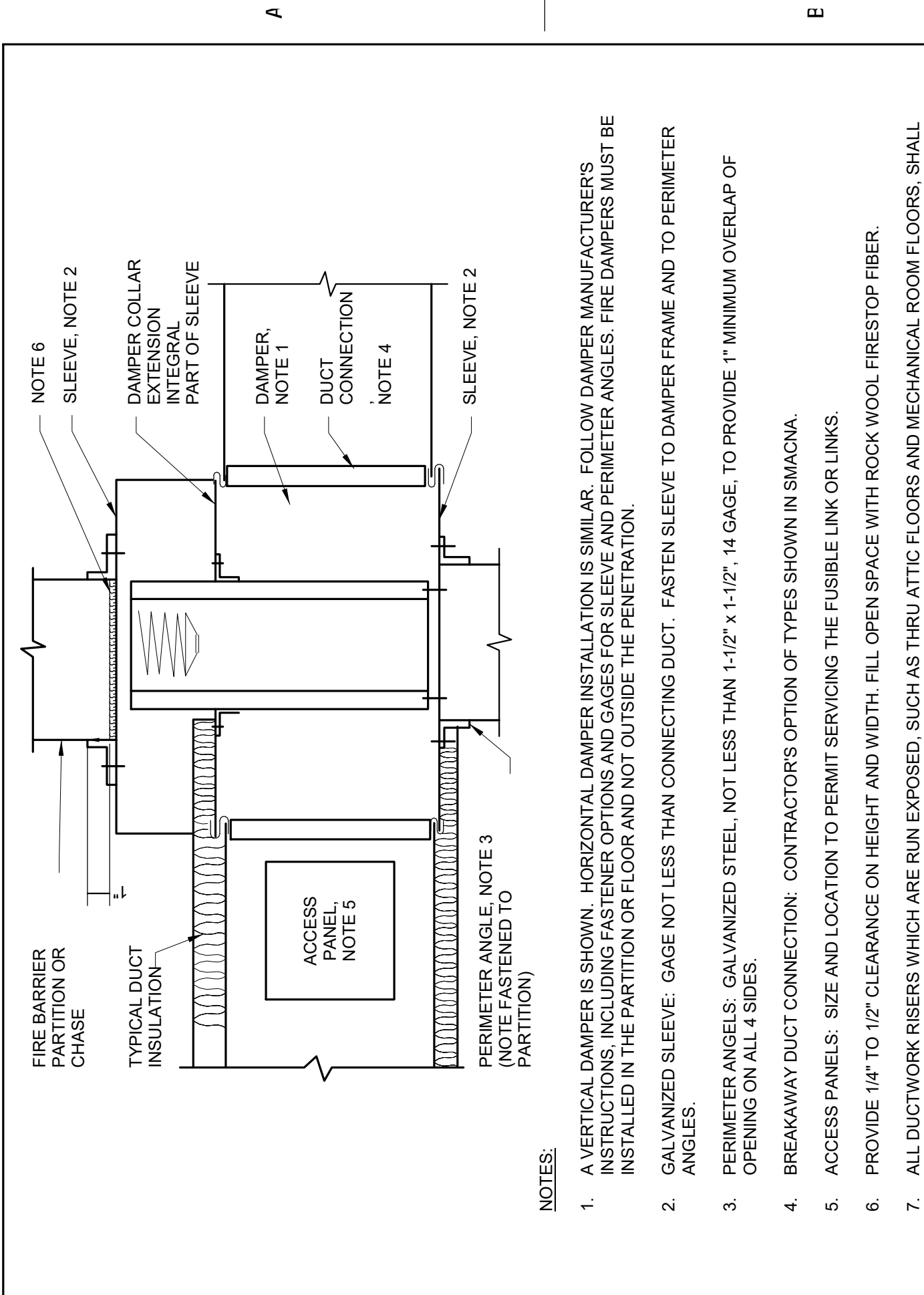
7 DUCTWORK RADIUS ELBOWS
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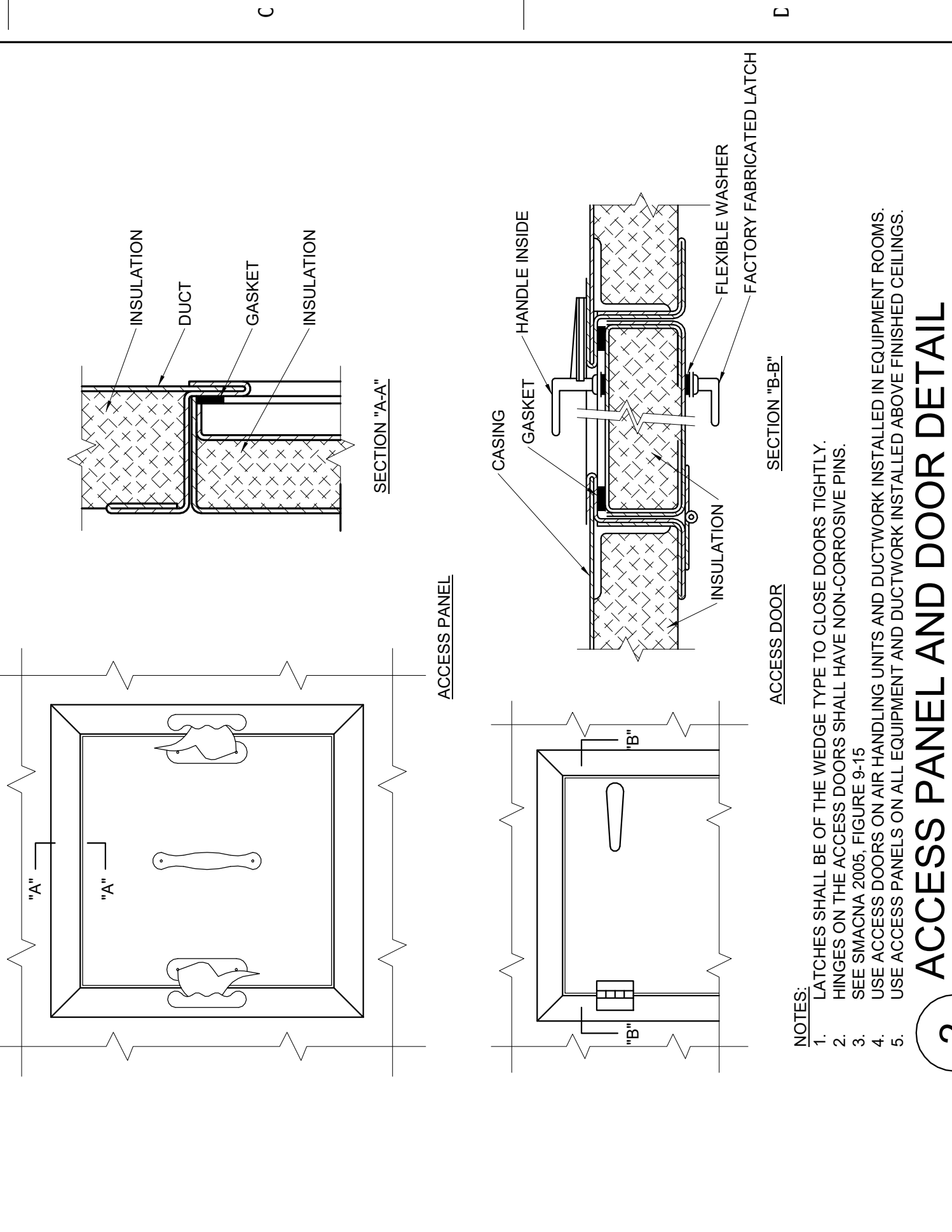
1 FIRE DAMPER DETAIL
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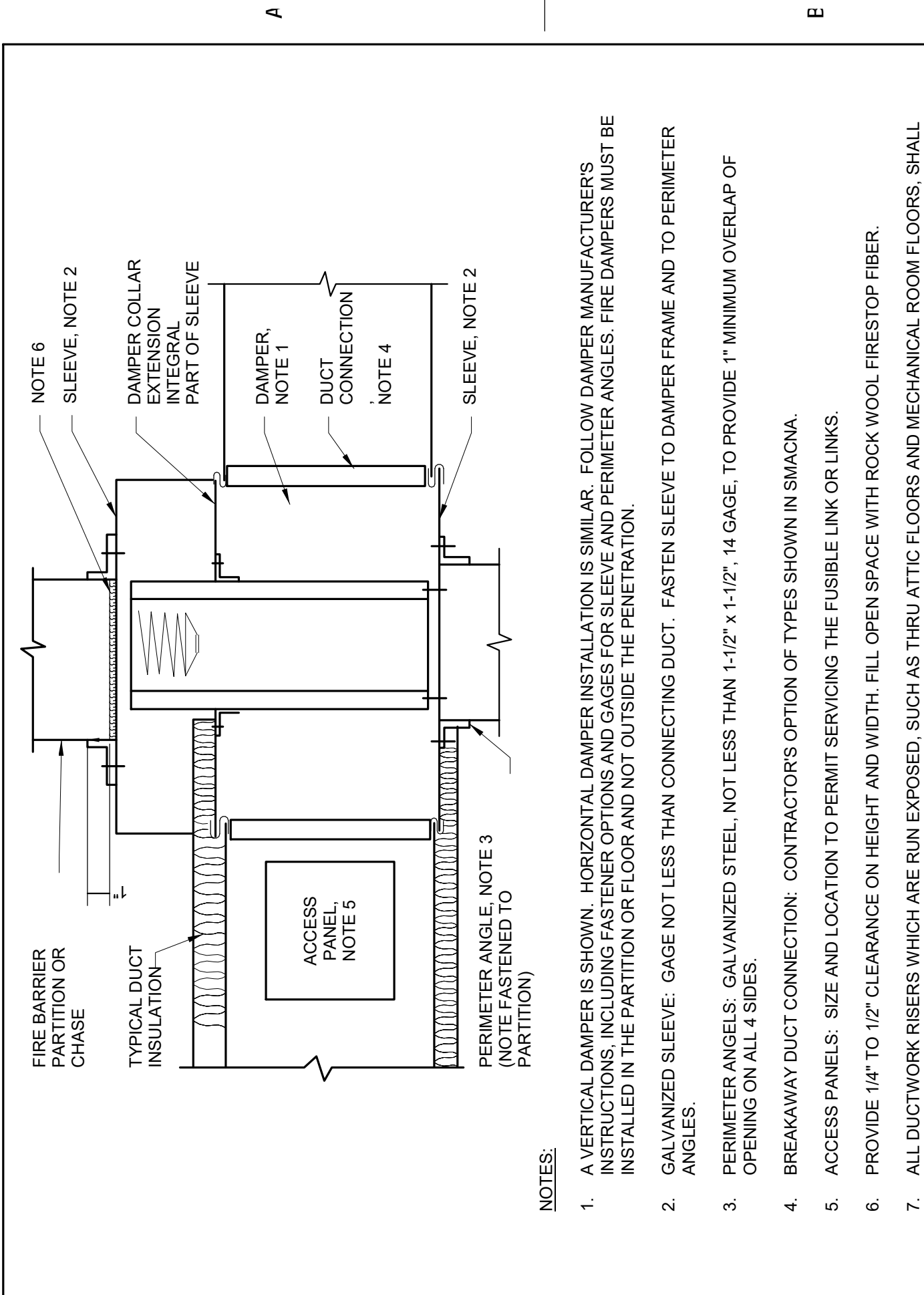
2 ACCESS PANEL AND DOOR DETAIL
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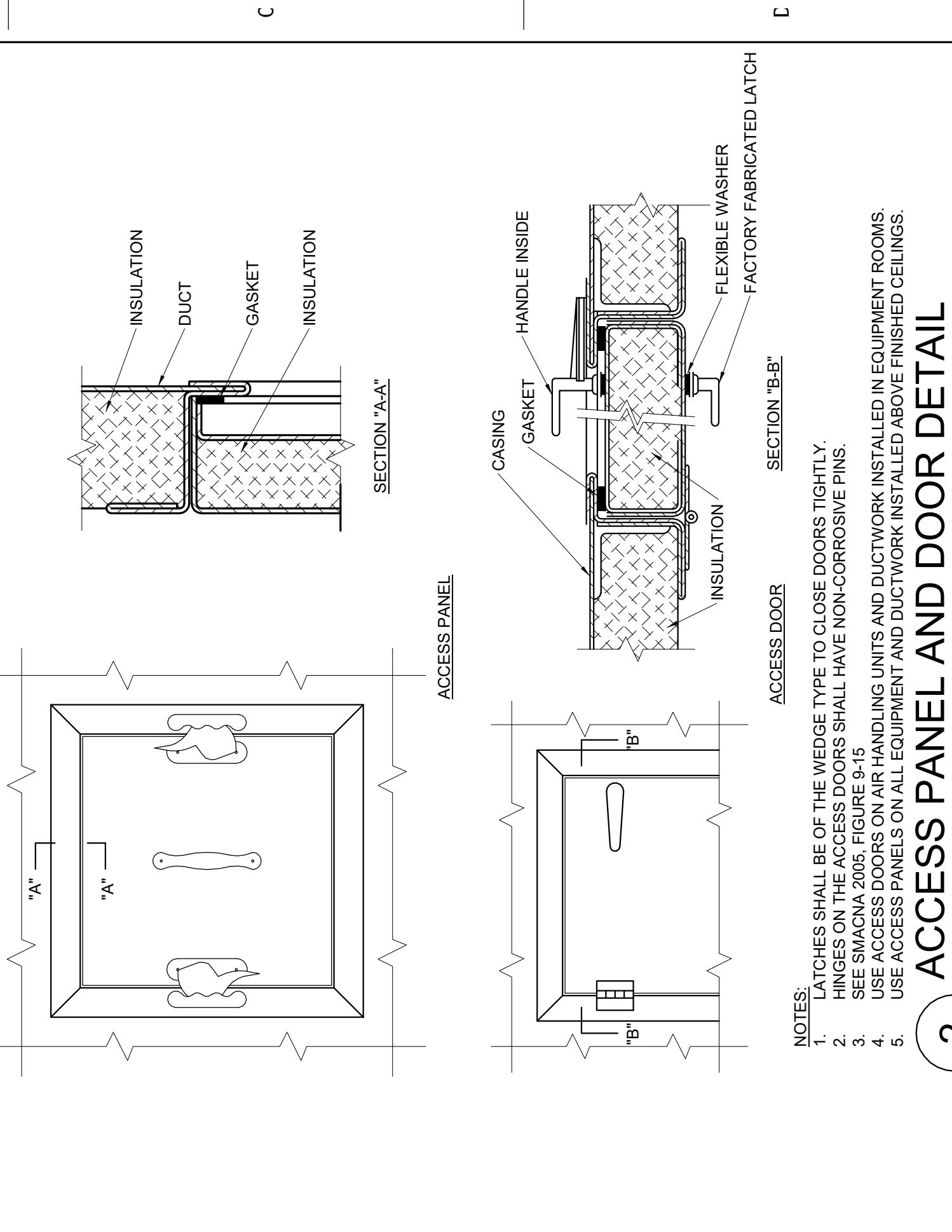
3 DUCTWORK TRANSITIONS DETAIL
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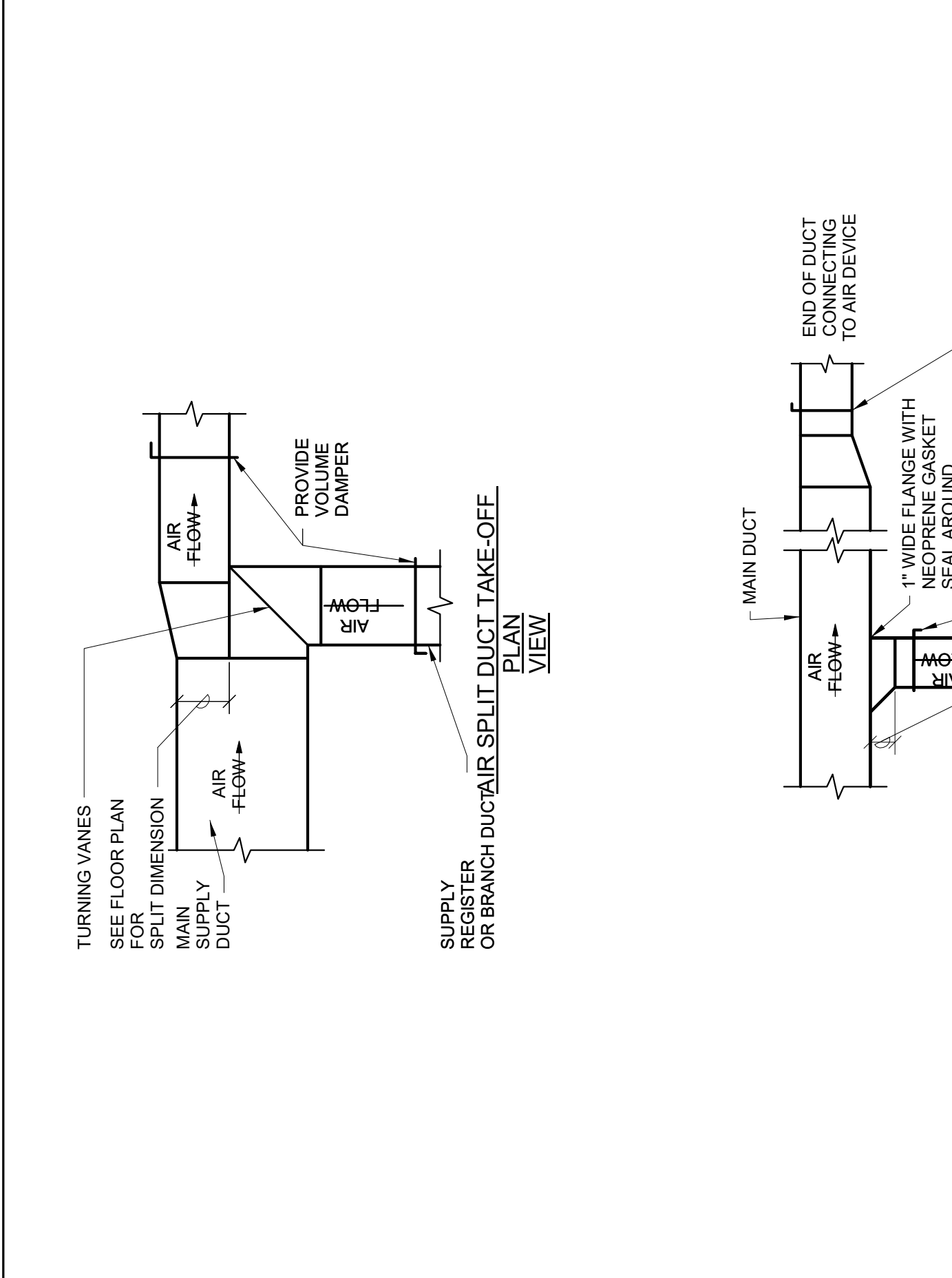
4 DUCT TAKEOFF DETAILS
NTS



5 EXHAUST OR RETURN BRANCH DUCTWORK
NTS

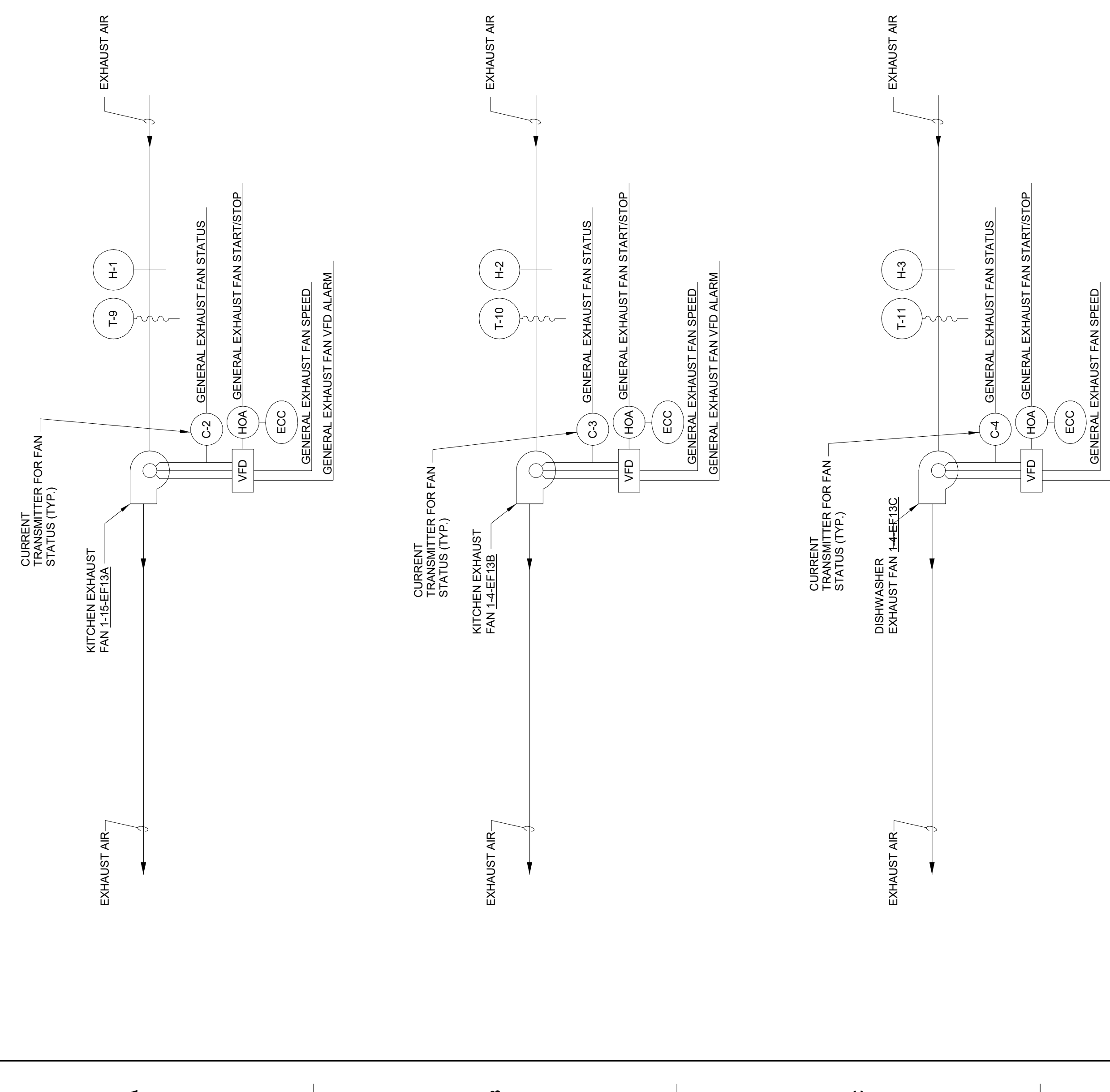


8 VOLUME DAMPER DETAIL
NTS



9 EXHAUST DUCTWORK- GLASSWARE WASHER
NTS

<p>Project Title: RENOVATE VCS PATRIOT CAFE</p> <p>Project Number: 546-17-109</p> <p>Building Number: 1</p>		<p>Location: MIAMI, FL</p> <p>Issue Date: 02/09/2018</p> <p>Checked: NPS</p> <p>Drawn: NPS</p> <p>Drawing Number: 1-MH502</p>	
<p>Phase: 100% CONSTRUCTION DOCUMENTS</p>		<p>FULLY SPRINKLERED</p>	
<p>Drawing Title: DETAILS - HVAC</p> <p>Approved: Project Director</p>		<p>U.S. Department of Veterans Affairs</p> <p>DALE A. BACIK, P.E.</p>	
<p>Office of Construction and Facilities Management</p>		<p>NICHOLAS P. STEPHENSON, P.E.</p> <p>80283</p>	
<p>ARCHITECT/ENGINEER OF RECORD</p> <p>MES GROUP</p> <p>550 North Pine Street Suite 203 Tampa, FL 33609 813.294.4700 COA F 650A</p>		<p>CONSULTANT</p> <p>THE LUNZ GROUP</p> <p>585 Main Street, Suite 201 Dunedin, FL 34698 942.733.0000 N: AAC0101800</p>	
<p>Revisors:</p>		<p>Date:</p>	



1-2-AH13 - POINTS LIST

POINT TAG	POINT DESCRIPTION	POINT TYPE				SETPOINTS			NOTES
		DIGITAL	ANALOG	VIRTUAL	ADJ.	INITIAL	HIGH	LOW	
	OCCUPIED MODE STATUS	IN	OUT						
	UNOCCUPIED MODE STATUS			IN	OUT				
	DEHUMIDIFICATION MODE STATUS								
	SUPPLY FAN START/STOP								NOTE 1
	SUPPLY FAN STATUS								
	SUPPLY FAN MINIMUM SPEED SETPOINT								
	SUPPLY FAN VFD ALARM								
	SUPPLY AIR DUCT SMOKE DETECTOR								
	GREASE EXHAUST FAN START/STOP								
	GREASE EXHAUST FAN STATUS								
	GREASE EXHAUST FAN SPEED								
	GREASE EXHAUST FAN VFD ALARM								
	GREASE EXHAUST AIR RELATIVE HUMIDITY								
	GREASE EXHAUST AIR RELATIVE HUMIDITY SETPOINT								
	GREASE EXHAUST FAN START/STOP								
	GREASE EXHAUST FAN STATUS								
	GREASE EXHAUST FAN SPEED								
	GREASE EXHAUST FAN VFD ALARM								
	GREASE EXHAUST AIR RELATIVE HUMIDITY								
	GREASE EXHAUST AIR RELATIVE HUMIDITY SETPOINT								
	DISHWASH EXHAUST FAN START/STOP								
	DISHWASH EXHAUST FAN STATUS								
	DISHWASH EXHAUST FAN SPEED								
	DISHWASH EXHAUST FAN VFD ALARM								
	DISHWASH EXHAUST AIR RELATIVE HUMIDITY								
	DISHWASH EXHAUST AIR RELATIVE HUMIDITY SETPOINT								
	OUTSIDE AIR TEMPERATURE								
	COOLING COIL LEAVING AIR TEMPERATURE								
	COOLING COIL LEAVING AIR TEMPERATURE SETPOINT								
	CHILLED WATER SUPPLY TEMPERATURE								
	CHILLED WATER RETURN TEMPERATURE								
	REHEAT COIL LEAVING AIR TEMPERATURE								
	REHEAT COIL LEAVING AIR TEMPERATURE SETPOINT								
	HEATING CONTROL VALVE								
	COMPENSATE RETURN TEMPERATURE								
	COMPENSATE RETURN TEMPERATURE SETPOINT								
	SUPPLY AIR FLOW								
	MINIMUM SUPPLY AIR FLOW SETPOINT								
	SUPPLY AIR STATIC PRESSURE SETPOINT								
	SUPPLY AIR TEMPERATURE								
	SUPPLY AIR TEMPERATURE SETPOINT								

1-2-AH13 - SEQUENCE OF OPERATION

1. GENERAL

- UNIT IS NORMALLY STARTED AND STOPPED BY THE DIRECT DIGITAL CONTROL PANEL (DDCP) OR REMOTELY AT THE ECO FOR MAINTENANCE.
- THE AIR HANDLING UNIT SYSTEM INCLUDES THE AIR HANDLING UNIT (SUPPLY FAN), ASSOCIATED AIR TERMINAL UNITS, AND ASSOCIATED GENERAL EXHAUST FAN AND DEDICATED EXHAUST FANS. WHEN THE SYSTEM IS INITIATED TO OPERATE, THEN ALL OTHER EQUIPMENT THAT IS REQUIRED FOR OPERATION SHALL BE PLACED INTO OPERATION ACCORDING TO THEIR RESPECTIVE SEQUENCES OF OPERATION.
- THE INDICATED EXHAUST FANS SHALL BE INTERLOCKED TO OPERATE WHENEVER THE AIR HANDLER SUPPLY FAN CIRCUIT IS ENERGIZED.
- INTERLOCK THE AIR HANDLING UNIT SYSTEM WITH THE EXISTING FIRE ALARM SYSTEM AND EXISTING SMOKE DAMPERS.
- WHEN THE UNIT IS "OFF", OUTSIDE AIR DAMPER D-1 SHALL BE FULLY CLOSED.
- WHEN THE UNIT IS "ON", OUTSIDE AIR DAMPER D-1, AND SMOKE DAMPERS SHALL BE FULLY OPEN.
- POSITIVE RUN OPERATION STATUS FOR THE SUPPLY FANS (AND ASSOCIATED EXHAUST FANS, AS SENSED BY THE DCP) AND POSITIVE STOP OPERATION STATUS FOR THE SUPPLY FANS (AND ASSOCIATED EXHAUST FANS, AS SENSED BY THE DCP) SHALL BE INDICATED AT THE DCP AND EEC.
- ALL DIRECT DIGITAL CONTROL PANELS (DDCP) SHALL BE FED FROM AN EMERGENCY POWER CIRCUIT.

2. RUN CONDITIONS

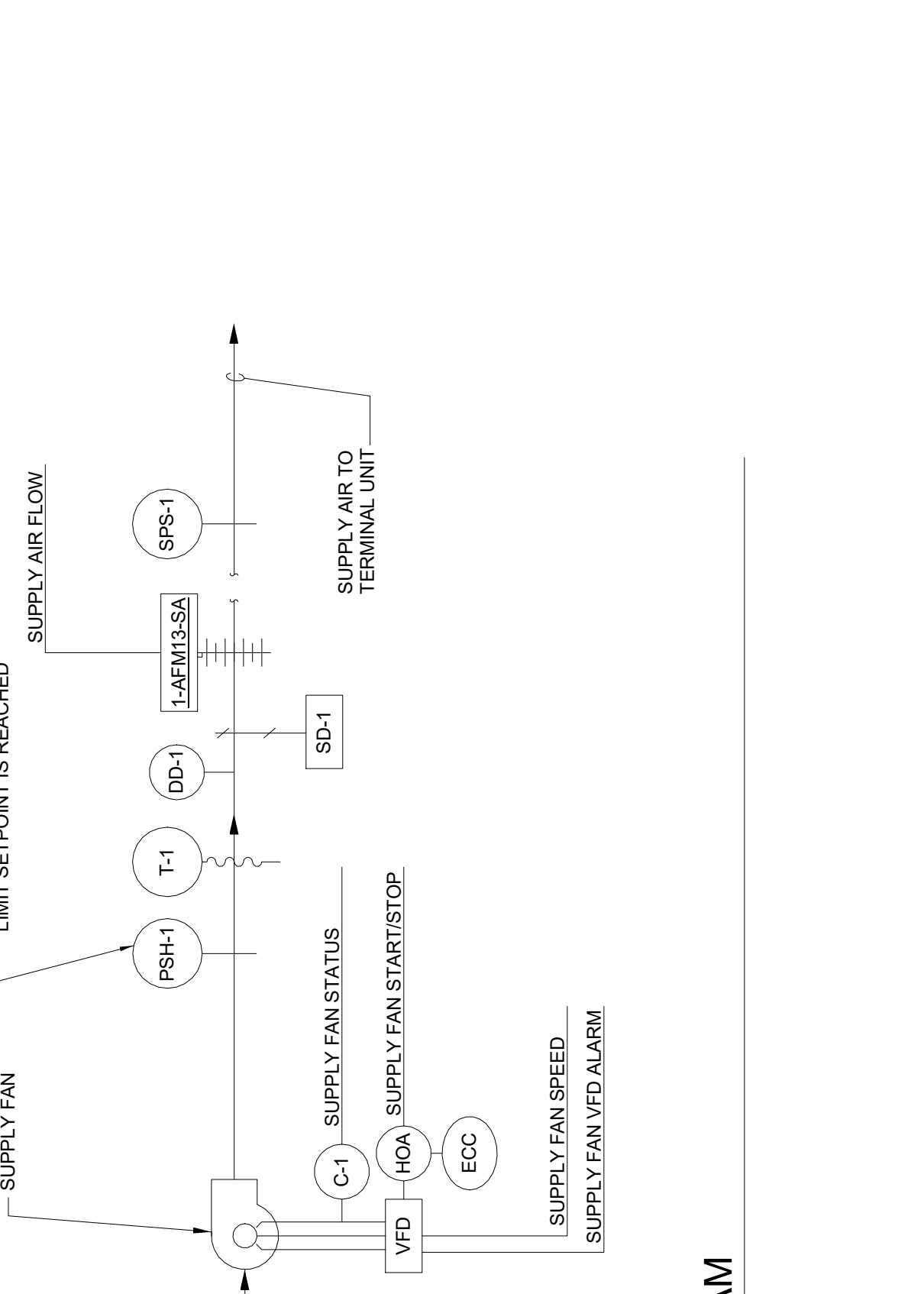
- OCCUPIED MODE: ENABLE THE AIR HANDLING UNIT BASED ON A USER DEFINABLE OCCUPIED TIME SCHEDULE. OCCUPIED HOURS ARE FROM 5:00am-8:00pm, 5 DAYS A WEEK (ADJUSTABLE).
- UNOCCUPIED MODE: ENABLE UNOCCUPIED MODE OF OPERATION TO MAINTAIN UNOCCUPIED SETPOINTS.
- DEHUMIDIFICATION MODE: IF GENERAL EXHAUST AIR HUMIDITY IS ABOVE SETPOINT, THEN ENTER DEHUMIDIFICATION MODE UNTIL GENERAL EXHAUST AIR HUMIDITY FALLS BELOW SETPOINT MINUS A 3% DEADBAND.

3. AIR FLOW CONTROL

- THE SUPPLY AIR FLOW SHALL BE CONTROLLED BY THE DCP AND MODULATE THE SUPPLY FAN VARIABLE FREQUENCY DRIVE (VFD) SPEED TO MAINTAIN A DUCT STATIC PRESSURE SETPOINT, AS MEASURED BY SENSORS) SPS-1 LOCATED 20' DISTANCE DOWN THE SUPPLY DUCT MAIN BRANCHES. WHEN MULTIPLE SENSORS ARE INDICATED, POLL ALL SENSORS AND CONTROL TO THE MINIMUM READING. CONTINUOUSLY MAINTAIN A MAXIMUM ZONE DAMPER POSITION AT 95% OPEN.
- THE SUPPLY AIR FLOW AND GENERAL EXHAUST AIR FLOW SIGNALS FROM SUPPLY AND GENERAL EXHAUST DUCT MOUNTED AIR FLOW MEASURING DEVICES, SHALL RESET THE GENERAL EXHAUST FAN VFD SPEED TO 0% (STOP) AND THE SUPPLY FAN VFD SPEED TO 100% (FULL SPEED). THE GENERAL EXHAUST AIR FLOW SIGNAL SHALL BE USED TO MAINTAIN BALANCE PROCEDURES.

4. TEMPERATURE CONTROL

- COOLING COIL CONTROL: THE DCP SHALL MODULATE THE COOLING CONTROL VALVE AS NECESSARY TO MAINTAIN A COOLING COIL LEAVING AIR TEMPERATURE SETPOINT.
- REHEAT COIL CONTROL: THE DCP SHALL MODULATE THE REHEAT CONTROL VALVE TO MAINTAIN A REHEAT COIL LEAVING AIR TEMPERATURE SETPOINT.
- OCCUPIED MODE: 1-2-AH13 SHALL OPERATE CONTINUOUSLY DURING OCCUPIED MODE. THE VFD SHALL MODULATE THE SUPPLY FAN SPEED TO MAINTAIN A NEGATIVE PRESSURE WITHIN THE SPACE (ADJ) SETPOINT. PROVIDE A SPACE TEMPERATURE INPUT TO THE DCP. MAINTAIN THE SPACE COOLING TEMPERATURE SETPOINT (78 F ADJ.).
- UNOCCUPIED MODE: 1-2-AH13 SHALL OPERATE CONTINUOUSLY DURING UNOCCUPIED MODE. THE VFD SHALL MODULATE THE SUPPLY FAN SPEED TO MAINTAIN THE ROOM SPACE TEMPERATURE BELOW THE HEATING SETPOINT (71 F ADJ.). THE STEAM CONTROL VALVE SHALL BE ENERGIZED TO MAINTAIN THE ROOM HEATING SETPOINT.
- UNOCCUPIED MODE: 1-2-EF13a and 1-2-AH13 SHALL BE INTERLOCKED AND CYCLE ON/OFF TO MAINTAIN SPACE TEMPERATURE.
- COOLING - WHEN SPACE TEMPERATURE RISES ABOVE 85 DEG F (ADJ.), 1-2-AH13 SHALL START AND DISCHARGE 50 DEG F (ADJ.) 1-2-EF13a SHALL START TO MAINTAIN A NEUTRAL PRESSURE. WHEN SPACE TEMPERATURE RISES ABOVE 85 DEG F (ADJ.), 1-2-EF13a SHALL START TO MAINTAIN A NEUTRAL PRESSURE. WHEN SPACE TEMPERATURE RISES ABOVE 90 DEG F (ADJ.), 1-2-EF13a AND 1-2-EF13b SHALL STOP.
- DEHUMIDIFICATION MODE CONTROL:
 - IF THE GENERAL EXHAUST AIR HUMIDITY AS SENSED BY H-1 RISES ABOVE THE EXHAUST AIR HUMIDITY SETPOINT, THE SYSTEM SHALL ENTER A DEHUMIDIFICATION MODE OF OPERATION UNTIL EXHAUST AIR HUMIDITY FALLS BELOW SETPOINT MINUS A 3% DEADBAND. THE DCP SHALL MODULATE THE COOLING CONTROL VALVE TO MAINTAIN A NEUTRAL PRESSURE. WHEN NECESSARY TO MAINTAIN ASSOCIATED SPACE TEMPERATURE COOLING SETPOINT.
 - FREEZE PROTECTION
- IF THE COOLING COIL SYSTEMS AIR TEMPERATURE AS SENSED BY T-5 FALLS BELOW 40°F, A WARNING ALARM SIGNAL SHALL BE INDICATED AT THE DCP AND EEC. IF THIS TEMPERATURE FALLS BELOW 35°F, AS SENSED BY THE FREEZESTAT TSL-1, THE SUPPLY FANS SHALL SHUT DOWN AND A CRITICAL ALARM SHALL BE INDICATED AT THE DCP AND EEC. THE FREEZESTAT SHALL BE HARDWIRED TO THE SUPPLY FAN VFD(S) AND UNIT SHALL BE SHUT DOWN IN HAND, AUTO, OR BYPASS MODE. TSL-1 SHALL REQUIRE MANUAL RESET AT THE DEVICE.
- SMOKE CONTROL AUTOMATIC SHUTDOWN/RESTART
 - WHEN SMOKE IS DETECTED BY ANY ASSOCIATED SMOKE DETECTORS, THE SUPPLY FANS, AND INTERLOCKED EXHAUST FANS SHALL SHUT OFF. AN ALARM SIGNAL SHALL BE TRANSMITTED TO THE FIRE ALARM SYSTEM, AND ALL SMOKE DAMPERS SHALL CLOSE.
 - SUPPLY FANS (AND INTERLOCKED EXHAUST FANS) SHALL AUTOMATICALLY RESTART AND SMOKE DAMPERS SHALL OPEN WHEN FIRE ALARM CIRCUIT IS RESET.
- EMERGENCY CONSTANT SPEED OPERATION
 - UPON FAILURE OF EITHER SUPPLY FAN (VFD) OR GENERAL EXHAUST FAN (VFD), THE SUPPLY FANS AND GENERAL EXHAUST FAN SHALL BE STARTED STOPPED MANUALLY AT THE DCP OR THE EEC THROUGH THE BY-PASS STARTER. ACTIVATION OF CONSTANT SPEED OPERATION SHALL CAUSE ALL AIR TERMINAL UNIT DAMPERS TO BE POSITIONED FOR MAXIMUM DESIGN AIR FLOW, AND SUPPLY FANS (AND GENERAL EXHAUST FAN) SHALL OPERATE AT CONSTANT SPEED.
- SAFETIES
 - HIGH PRESSURE LIMIT: THE DCP, USING HIGH PRESSURE LIMIT SWITCH PSH-1 LOCATED AT THE SUPPLY FAN VFD, SHALL MONITOR THE SUPPLY FAN VFD FOR OVERPRESSURE. IF OVERPRESSURE IS DETECTED, THE SUPPLY FAN VFD SHALL STOP. THE SUPPLY FAN VFD SHALL BE RESTARTED MANUALLY AT THE DCP OR THE EEC THROUGH THE OVERPRESSURE (FIELD ADJUSTABLE) IF STATIC PRESSURE AT PSH-1 DOES EXCEED 4 IN. W.G. THE SWITCH WILL OVERRIDE ALL CONTROLS AND SHUT DOWN THE SUPPLY FANS (AND GENERAL EXHAUST FAN, AND A HIGH PRESSURE ALARM SHALL BE INDICATED AT THE DCP AND EEC. THE HIGH PRESSURE ALARM SHALL BE HARDWIRED TO THE SUPPLY FAN VFD(S) AND UNIT SHALL BE SHUT DOWN IN HAND, AUTO, OR BYPASS MODE. PSH-1 WILL REQUIRE MANUAL RESET AT THE DEVICE.
 - DAMPERS PROTECT END SWITCH: PROVIDE AN END SWITCH HARDWIRED TO THE VFD(S) TO OVERRIDE ALL CONTROLS AND PREVENT OPERATION OF THE UNIT FANS IF THE OUTSIDE AIR DAMPER FAILS TO OPEN. FOR ALL CONTROL DAMPERS ASSOCIATED WITH UNIT, PROVIDE END SWITCH DAMPER POSITION INDICATION AT THE DCP AND EEC.
 - FILTER STATUS: THE DCP SHALL MONITOR AND INDICATE THE DIFFERENTIAL PRESSURE ACROSS EACH AIR FILTER. IF THE DIFFERENTIAL PRESSURE ACROSS ANY AIR FILTER EXCEEDS THE SETPOINT, THE DCP SHALL REPORT A FILTER SECTION IS GREATER THAN THE HIGH LIMIT SETPOINT. THE DCP AND EEC SHALL REPORT A FILTER MAINTENANCE ALARM WITH MESSAGE INDICATING THAT THE FILTER NEEDS TO BE CHANGED.



CONTROLS ABBREVIATIONS

ADJ	ADJUSTABLE
AFM	AIR FLOW MEASURING DEVICE
C	CURRENT SWITCH
CCM	CIRCUIT BREAKER
CDM	CIRCUIT BREAKER PER MINUTE
DDCP	DIRECT DIGITAL CONTROL PANEL
CR	COMPENSATE RETURN
DD	DIRECT DIGITAL CONTROL
DP	DIFFERENTIAL PRESSURE
EA	EXHAUST AIR
EEC	EMERGENCY END SWITCH
EF	EXHAUST FAN
H	HUMIDITY SENSOR
HVA	HAND VALVE
HOA	HAND OFF AUTO SWITCH
IN	INCH
LPS	LOW PRESSURE STEAM
N.O.	NORMALLY OPEN
N.C.	NORMALLY CLOSED
PSH	PRESSURE SWITCH, HIGH LIMIT
PSL	PRESSURE SWITCH, LOW LIMIT
SH	SOLENOID VALVE ACTUATOR
SA	SUPPLY AIR
SD	SMOKE DAMPER
SPS	STATIC PRESSURE SENSOR
STR	MOTOR STARTER
TSL	TEMPERATURE SWITCH, LOW LIMIT (FREEZESTAT)
VFD	VARIABLE FREQUENCY DRIVE
WG	WATER GAUGE

GENERAL NOTE

A. VERIFY PROPER OPERATION OF ALL EQUIPMENT INTERLOCKS AND AND PROVIDE REPAIRS FOR ANY DEFICIENCIES.

100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title	RENOVATE VCS PATRIOT CAFE
Project Number	546-17-109
Building Number	1
Location	MIA/MI, FL
Issue Date	02/09/2018
Checked	NPS
Drawn	NPS
Drawing Number	1-MH601

CONSULTANT

THE LUNZ GROUP

585 Main Street, Suite 201
Dunedin, FL 34688
9 277.733.8800
E: AACC01980

MES GROUP

550 North Polo Street
Suite 203
Tampa, FL 33609
813.289.4700
COAF 650A

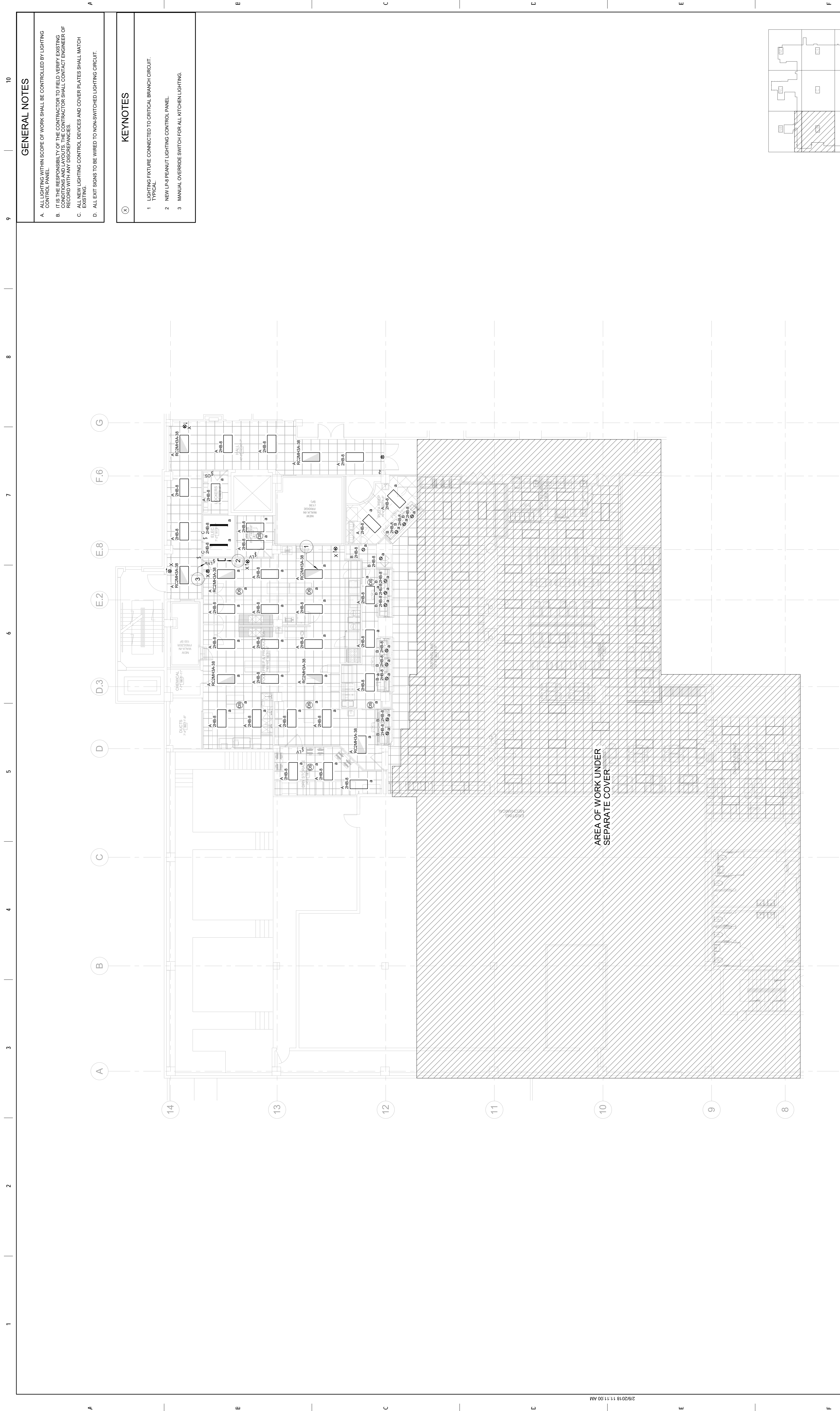
ARCHITECT/ENGINEER OF RECORD

Office of Construction and Facilities Management

Approved: Project Director
DALE A. BACIK, P.E.

VA U.S. Department of Veterans Affairs

NICHOLAS P. STEPHENSON, P.E.
80283

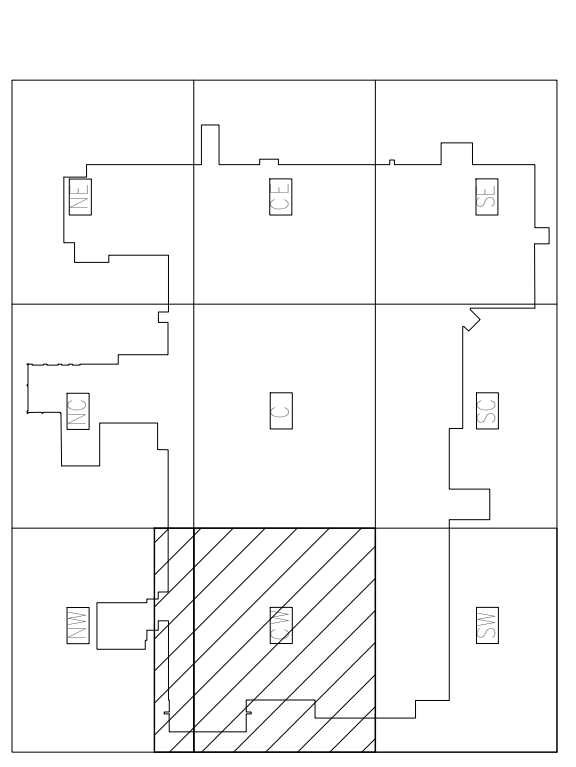


GENERAL NOTES

- A. ALL LIGHTING WITHIN SCOPE OF WORK SHALL BE CONTROLLED BY LIGHTING CONTROL PANEL.
- B. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND LAYOUTS. THE CONTRACTOR SHALL CONTACT ENGINEER OF RECORD WITH ANY DISCREPANCIES.
- C. ALL NEW LIGHTING CONTROL DEVICES AND COVER PLATES SHALL MATCH EXISTING.
- D. ALL EXIT SIGNS TO BE WIRED TO NON-SWITCHED LIGHTING CIRCUIT.

KEYNOTES

- 1 LIGHTING FIXTURE CONNECTED TO CRITICAL BRANCH CIRCUIT. TYPICAL.
- 2 NEW LP-8 PEANUT LIGHTING CONTROL PANEL.
- 3 MANUAL-OVERRIDE SWITCH FOR ALL KITCHEN LIGHTING.



ENLARGED 2ND FLOOR RENOVATION PLAN - LIGHTING - VA KITCHEN
 Scale: 1/8" = 1'-0"
 TRUE PLAN

Revisions:

NO.	DATE	DESCRIPTION

CONSULTANT

THE LUNZ GROUP
 585 Main Street, Suite 201
 Dunedin, FL 34698
 P: 727.233.8800
 F: 727.233.8800
 LIC: AC201190

ARCHITECT/ENGINEER OF RECORD

MES GROUP
 550 North Peos Street
 Suite 203
 Tampa, FL 33609
 813.294.4700
 COA F 5304

STAMP

DALE A. BACKIK, P.E.
 38564

Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title
 ENLARGED 2ND FLOOR RENOVATION PLAN - LIGHTING

Approved: Project Director
 DALE A. BACKIK, P.E.

Phase
 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
 RENOVATE VCS PATRIOT CAFE

Project Number
 546-17-109

Building Number
 1

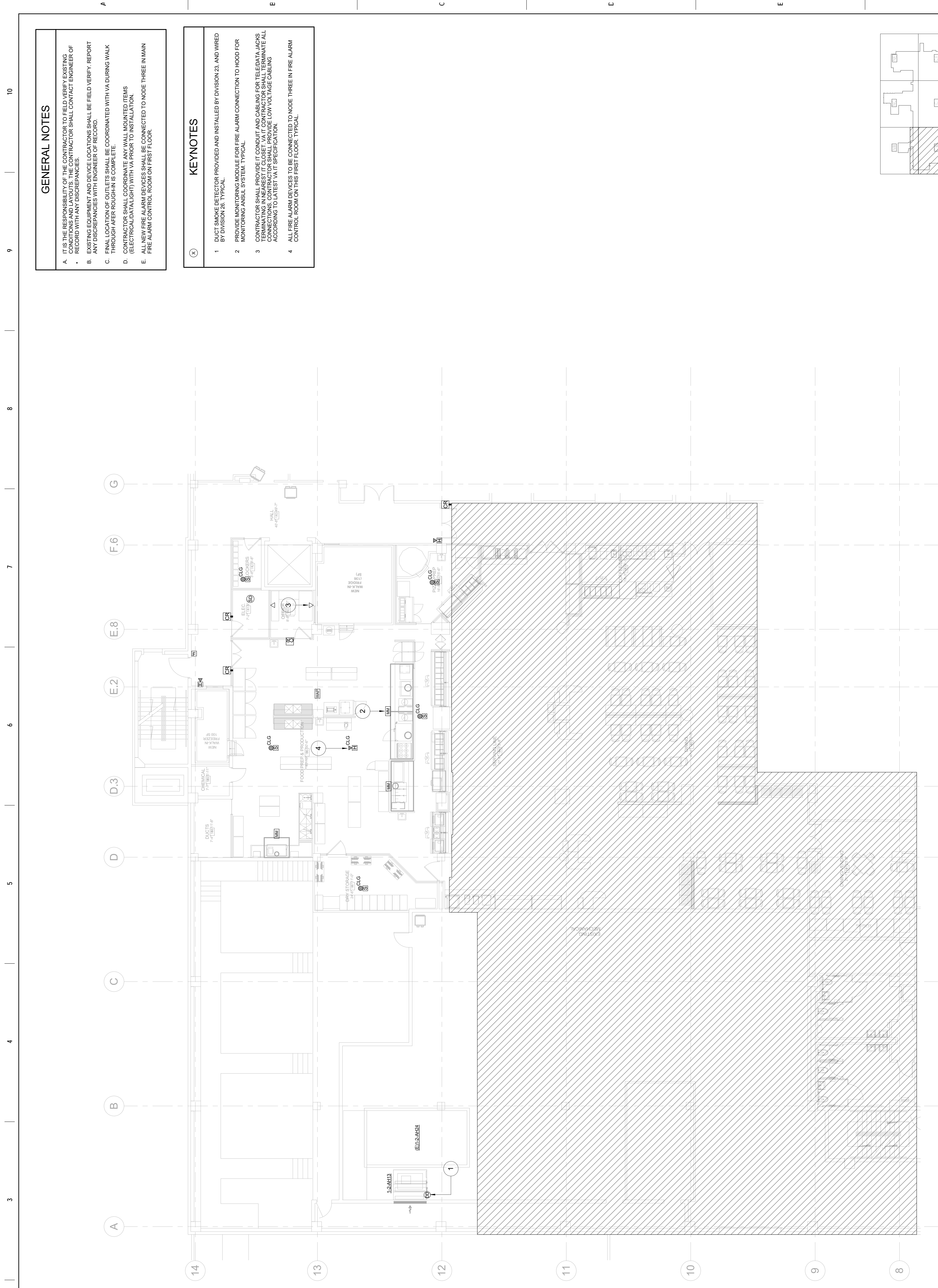
Location
 MIAMI, FL

Issue Date
 02/09/2018

Drawing Number
 1-EL102-N

Checked
 DAB

Drawn
 FB

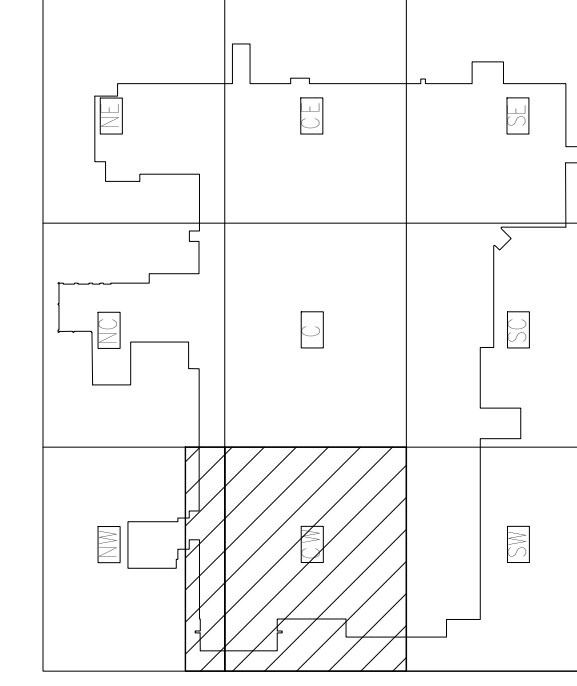


GENERAL NOTES

- A. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND LAYOUTS. THE CONTRACTOR SHALL CONTACT ENGINEER OF RECORD WITH ANY DISCREPANCIES.
- B. EXISTING EQUIPMENT AND DEVICE LOCATIONS SHALL BE FIELD VERIFY, REPORT THROUGH AFTER ROUGH-IN IS COMPLETE.
- C. FINAL LOCATION OF OUTLETS SHALL BE COORDINATED WITH VA DURING WALK THROUGH AFTER ROUGH-IN IS COMPLETE.
- D. CONTRACTOR SHALL COORDINATE ANY WALL MOUNTED ITEMS (ELECTRICAL/TALIGHT) WITH VA PRIOR TO INSTALLATION.
- E. ALL NEW FIRE ALARM DEVICES SHALL BE CONNECTED TO NODE THREE IN MAIN FIRE ALARM CONTROL ROOM ON FIRST FLOOR.

KEYNOTES

- 1 DUCT SMOKE DETECTOR PROVIDED AND INSTALLED BY DIVISION 23, AND WIRED BY DIVISION 26, TYPICAL.
- 2 PROVIDE MONITORING MODULE FOR FIRE ALARM CONNECTION TO HOOD FOR MONITORING ANSUL SYSTEM, TYPICAL.
- 3 CONTRACTOR SHALL PROVIDE IT CONDUIT AND CABLING FOR TELEDATA JACKS TERMINATING IN NEAREST IT CLOSET. VA IT CONTRACTOR SHALL TERMINATE ALL CONNECTIONS TO CONTRACTOR'S CLOSET. ALL CABLES TO BE LOW VOLTAGE CABLING ACCORDING TO LATEST VAWT SPECIFICATION.
- 4 ALL FIRE ALARM DEVICES TO BE CONNECTED TO NODE THREE IN FIRE ALARM CONTROL ROOM ON THIS FIRST FLOOR, TYPICAL.



ENLARGED 2ND FLOOR RENOVATION PLAN - SYSTEMS - VA KITCHEN
 Scale: 1/8" = 1'-0"
 TRUE PLAN

NO.	DATE	DESCRIPTION	BY

CONSULTANT

THE LUNZ GROUP
 585 Main Street, Suite 201
 Dunedin, FL 34698
 P: 727.233.8800
 F: 727.233.8800
 LIC: AC201190

ARCHITECT/ENGINEER OF RECORD

MES GROUP
 550 North Polo Street
 Suite 203
 Tampa, FL 33609
 813.294.4700
 COA F 5304

STAMP

DALE A. BACKIK, P.E.
 38564

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
 ENLARGED 2ND FLOOR RENOVATION PLAN - SYSTEMS

Approved: Project Director
 DALE A. BACKIK, P.E.

Phase
 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
 RENOVATE VCS PATRIOT CAFE

Project Number
 546-17-109

Building Number
 1

Location
 MIAMI, FL

Issue Date
 02/09/2018

Checked
 DAB

Drawn
 FB

Drawing Number
 1-ET302-N

PLUMBING LEGEND

0000	EQUIPMENT OR FIXTURE MARK
●	POINT OF NEW CONNECTION
○	POINT OF DEMOLITION LIMIT
①	DRAWING KEYNOTE
---	EQUIPMENT TO BE REMOVED
---	EXISTING DOMESTIC HOT WATER PIPING
---	EXISTING DOMESTIC HOT WATER RETURN PIPING
---	EXISTING DOMESTIC COLD WATER PIPING
---	EXISTING DOMESTIC COLD WATER RETURN PIPING
---	DOMESTIC HOT WATER PIPING
---	DOMESTIC HOT WATER RETURN PIPING
---	SANITARY, SOIL, OR WASTE PIPING
---	SANITARY VENT PIPING
---	VENT THRU ROOF
○	FLOOR CLEAN OUT
○	WALL CLEAN OUT
○	PIPE DOWN
○	PIPE UP
○	FLOOR DRAIN / FLOOR SINK
○	BALL VALVE
○	CHECK VALVE
○	GATE VALVE
○	STRAINER
○	UNION

PLUMBING DESIGN PROVISIONS

DOMESTIC WATER PIPING:

- HOT AND COLD WATER PIPING SHALL BE TYPE L HARD COPPER PIPING WITH BALL VALVES. BALL VALVES SHALL BE TWO-PIECE BALL VALVES WITH STAINLESS STEEL TRIM AND FULL PORT CONFIGURATION.
- ALL HORIZONTAL PIPING PENETRATIONS SHALL BE PROVIDED WITH ESCUTCHEONS TO PROVIDE A CLEAN INSTALLATION.
- PIPING PENETRATIONS THROUGH BUILDINGS STRUCTURE SHALL BE UL RATED AND FIRESTOPPED, WHERE REQUIRED.

MISCELLANEOUS:

- HANGERS: FOR CAST IRON, PROVIDE HEAVY DUTY PIPE HANGERS, BRACKETS OR CLAMPS AT 5' INTERVALS. ALL MATERIAL SHALL BE NON-FERROUS AND NON-APPLICABLE FOR WATER PIPING. PROVIDE ADJUSTABLE COPPER PLATED HANGERS AT 5' INTERVALS MAXIMUM. PROVIDE HANGERS TO ALLOW FOR FULL THICKNESS OF INSULATION.
- VALVES AND SHUTOFFS: FULL SIZE BRONZE GATE OR BALL VALVES FOR HOT AND COLD WATER BRANCHES. PROVIDE DRAINAGE VALVES ON MAINS. PROVIDE UNITS BY APOLLO, GRINNELL, HAMMOND, MILWAUKEE, LUMBERMHEIMER, OR WATTS. ALL VALVES SHALL BE MANUFACTURED IN THE U.S. USE OF IMPORTS IS PROHIBITED.
- INSTALL SHUTOFF VALVES ON EACH PIECE OF EQUIPMENT.
- CLEARLY LABEL ALL VALVES AND COMPONENTS. ALL PIPING SYSTEMS AND FLOW DIRECTION SHALL BE CLEARLY LABELED WITH COMMERCIAL PIPE LABELING DEVICES.
- DISINFECT DOMESTIC WATER DISTRIBUTION SYSTEM, FLUSH AND TEST ALL PIPING FOR PROPER OPERATION, ADJUST SYSTEM TO PREVENT WATER HAMMER.
- MAINTAIN INDICATED FIRE RATINGS OF WALLS, PARTITIONS, CEILING AND FLOORS AT PENETRATIONS. SEAL WITH FIRESTOPPING TO MAINTAIN FIRE RATING.
- RESTORE DAMAGED FINISHES, CLEAN AND PROTECT WORK FROM DAMAGE.
- INSTRUCT OWNER'S PERSONNEL IN PROPER OPERATION OF SYSTEMS.

PLUMBING NOTES

- ALL WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL CODES. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE 2014 FLORIDA PLUMBING CODE, WHERE CONFLICTS OCCUR BETWEEN CODES, OR BETWEEN CONSTRUCTION DOCUMENTS AND CODES. THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
- REVIEW PLANS OF ALL TRADES PRIOR TO BIDDING AND BEGINNING WORK. INSTALLATIONS ARE TO INCLUDE ALL PLUMBING FOR COMPLETE SYSTEMS SHOWN ON THE PLANS AND AS REQUIRED.
- COORDINATE WITH OTHER TRADES TO PREVENT INTERFERENCE WITH HVAC DUCTS, STRUCTURE, ELECTRICAL, LIGHTING, AND OTHER PIPING IN THE CEILING SPACE. VENT PIPING AND WATER PIPING SHALL BE HELD EITHER ABOVE OR BELOW HVAC DUCTWORK, AS COORDINATED WITH THE HVAC CONTRACTOR.
- ALL CHANGES SHALL BE REVIEWED BY THE ARCHITECT/ENGINEER.
- COORDINATE WITH ARCHITECTURAL DRAWINGS BEFORE ROUGHING-IN PLUMBING FIXTURES AND EQUIPMENT SUPPLIES.
- THE PLUMBING SUBCONTRACTOR SHALL FURNISH AND INSTALL ALL PLUMBING FIXTURES, UNLESS NOTED OTHERWISE.
- VERIFY MOUNTING HEIGHT AND WATER CONNECTION SIZES OF ALL PLUMBING FIXTURES PRIOR TO ROUGH-IN. FURNISH CUT-OUT TEMPLATES FOR PLUMBING FIXTURES TO BE INSTALLED IN MILLWORK, TO THE GENERAL CONTRACTOR.
- MAKE PROPER HOT AND COLD WATER, WASTE AND VENT PIPING CONNECTIONS TO ALL FIXTURES AND EQUIPMENT. EVEN THROUGH-FLOOR PENETRATIONS AND CONNECTIONS ARE NOT SHOWN.
- VERIFY LOCATION OF EXISTING WATER SERVICE AND THE LOCATION/INVERTS OF SANITARY PIPING PRIOR TO INSTALLATION.
- CUT AND PATCH CONCRETE AS REQUIRED.
- IT IS THE INTENT OF THESE DRAWINGS TO COVER ALL WORK AND MATERIAL. ANY EQUIPMENT, PLUMBING FIXTURE, TRIM, HARDWARE AND/OR DEVICES USED IN THIS CLASS OF WORK SHALL BE OF THE SAME OR BETTER QUALITY AS SHOWN. SATISFACTORY COMPLETION OF THE WORK AS DETERMINED BY THE ARCHITECT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AS PART OF HIS TOTAL WORK.
- THE EQUIPMENT ROUGH-IN ITEMS AND THEIR DIMENSIONS LOCATIONS FOR ALL CONNECTIONS ARE ACCURATE TO EQUIPMENT TOOLS KNOWLEDGE. IN SOME INSTANCES, THE OWNER OR SUPPLIER MAY MAKE SUBSTITUTIONS OR CHANGES TO THE EQUIPMENT. THE OWNER AND/OR EQUIPMENT ROUGH-IN DRAWING, FAILURE OF THE APPROVED CONTRACTOR TO VERIFY ROUGHINGS OR THEIR LOCATIONS SHALL PLACE THE RESPONSIBILITY FOR ANY SUBSEQUENT REVISIONS AND/OR ADDITIONAL ROUGHING DIRECTLY UPON THAT CONTRACTOR.
- WORK ON SHOP SUPPLY TO BE PROVIDED TO THE CONTRACTOR. REQUIREMENTS FOR SHOP DRAWINGS FOR CONNECTIONS OF THESE MATERIALS OR EQUIPMENT SHALL BE DETERMINED BY THE CONTRACTOR. THERE WILL BE NO DRAW UNTIL SHOP DRAWINGS HAVE BEEN SUBMITTED AND REVIEWED BY THE ARCHITECT/ENGINEER.
- DO NOT SCALE THIS DRAWING. REFER TO ARCHITECTURAL FLOOR PLAN FOR BUILDING DIMENSIONS.
- THESE DRAWINGS ARE DIAGNOSTIC IN NATURE AND DO NOT NECESSARILY SHOW ALL LEAKS, OFFSETS, UNIONS, VALVES, FITTINGS, ETC. REQUIRED TO COMPLETE THE INSTALLATION OF THE WORK. THE SUBMISSION OF THIS DRAWING DOES NOT CONSTITUTE A WARRANTY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IDENTIFICATION OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED IF THEY COULD HAVE BEEN FORESEEN HAD PROPER EXAMINATION BEEN MADE.
- THE CONTRACTOR SHALL COOPERATE FULLY AMONG THE TRADES.
- THE POTABLE WATER SUPPLY SHALL BE PROTECTED AGAINST BACKFLOW AND SIPHONAGE, BOTH NATURAL AND INDUCED. ALL EQUIPMENT CONNECTED TO THE POTABLE WATER SYSTEM BEING CAPABLE OF POLLUTING OR CONTAMINATING THE POTABLE WATER SUPPLY. BACKFLOW PREVENTION SHALL BE PROVIDED BY MEANS OF A FLOW PRESSURE DROP, PRESSURE LOSS, INDUCED VACUUM, OR BY ISOLATION BECAUSE OF ANY PRIMARY OR AUXILIARY PUMPING SYSTEM CONNECTED. MUST BE ISOLATED AND CONTAINED BY MEANS OF APPROVED BACKFLOW PREVENTION DEVICES. BACKFLOW PREVENTION DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH FLORIDA BUILDING CODE REQUIREMENTS.
- THE WATER PIPING SYSTEM SHALL BE FLUSHED AND STERILIZED IN ACCORDANCE WITH LOCAL REGULATIONS.
- HOT AND COLD WATER SUPPLY BRANCHES FOR ALL SYSTEMS HAVING QUICK CLOSING VALVES OF ANY TYPE SHALL HAVE WATER HAMMER ARRESTORS INSTALLED AT THE HIGH POINT ON THE END OF EACH BRANCH.
- FURNISH AND INSTALL SHUTOFF BALL VALVE AND DIELECTRIC UNIONS FOR ALL EQUIPMENT HOT AND COLD WATER CONNECTIONS. PROVIDE DIELECTRIC UNIONS FOR ALL EQUIPMENT HOT AND COLD WATER CONNECTIONS. COORDINATE WITH EQUIPMENT SUPPLIER FOR EXACT REQUIREMENTS.
- VERIFY MOUNTING HEIGHTS OF ALL BARREER FREE FIXTURES WITH ARCHITECTURAL PLANS.
- PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL COPPER INDIRECT WASTE PIPING REQUIRED FROM ALL SINKS, TUBS, SHOWERS, AND TOILETS. ALL WASTE PIPING SHALL BE INSTALLED WITH FINISHED FLOOR TO WALL WHERE APPLICABLE. PROPERLY SECURE AS REQUIRED BY PIECE OF EQUIPMENT SERVED. HOLD DRIP TIGHT MAXIMUM CLEARANCE UNDER CABINETS.
- PLUMBING CONTRACTOR SHALL INSTALL 4" SOIL AND WASTE PIPING WITH MINIMUM SLOPE OF 1/8" PER FOOT UNLESS OTHERWISE REQUIRED.
- ALL FLOOR DRAINS ARE TO BE PROVIDED WITH MINIMUM 2" DRAIN LINES, DEEP SEAL, TRAPS, AND AUTOMATIC TRAP PRIMERS. TRAP PRIMERS SHALL BE LOCATED IN A SERVICEABLE LOCATION AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS. TRAP PRIMERS SHALL BE INSTALLED WITH FINISHED FLOOR; SEE ARCHITECTURAL SHEETS FOR FLOOR SLOPES AND PROPER FINISHED FLOOR ELEVATION.
- ALL VENT PIPE TO BE COMPAIBLE WITH THE MECHANICAL EQUIPMENT. DUCTWORK, ELECTRICAL, EQUIPMENT, AND LIGHTING. ALL V.T.S. SHALL BE EXTENDED TO A MINIMUM OF 2' ABOVE PARAPET HEIGHT AND MAINTAINED 10'-0" MINIMUM FROM ALL OUTSIDE AIR INTAKES.
- MATERIALS, EQUIPMENT, ASSEMBLIES AND SYSTEMS SHALL MEET ALL PERTINENT REQUIREMENTS OF NATIONALLY RECOGNIZED TESTING ORGANIZATIONS SUCH AS UL, ASTM, ASSE, ANWVE, AGA AND NFPA AS WELL AS THE MOST CURRENT VERSION OF THE STATE AND LOCAL CODES.
- ALL INSTALLED SYSTEMS, DEVICES AND RELATED ITEMS SHALL BE TESTED IN PLACE. REPLACE ANY AND ALL DEFECTIVE ITEMS, DEVICES, OR SYSTEMS AT CONTRACTOR'S EXPENSE, BEFORE COMPLETION OF PROJECT.
- WHERE JOB CONDITIONS REQUIRE CHANGES FROM THE CONTRACT DOCUMENTS THAT DO NOT CHANGE THE SCOPE OR NATURE OF WORK REQUIRED, THE CONTRACTOR SHALL MAKE SUCH CHANGES WITHOUT ADDITIONAL COST TO THE OWNER. NO OTHER CHANGES MAY BE MADE WITHOUT WRITTEN PERMISSION OF THE ENGINEER.
- ALL EQUIPMENT, FIXTURES AND MATERIALS SHALL BE NEW AND UNUSED, AND INSTALLED IN STRICT CONFORMANCE TO MANUFACTURER'S RECOMMENDATIONS (UNO). PROVIDE COMPLETE WITH ALL TRIM, STOPS, PARTS AND ACCESSORIES. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. FIXTURES ARE ACCESSIBLE THEY MUST COMPLY WITH ALL FEDERAL A.G.A. REGULATIONS.
- CONTRACTOR SHALL GUARANTEE ALL WORK FOR WHICH MATERIALS ARE FURNISHED, FABRICATED, FIELD ERECTED, ALL FACTORY ASSEMBLED EQUIPMENT FOR WHICH SPECIFIC MANUFACTURERS GUARANTEED IS FURNISHED, AND ALL WORK IN CONNECTION WITH INSTALLATION OF MANUFACTURERS GUARANTEED EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES, STRUCTURES, AND SHALL APPLY TO ALL DEFECTS IN MATERIALS AND WORKMANSHIP OF ANY KIND.
- ALL FAUCET CONTROLS SHALL BE OPERABLE WITH ONE HAND AND NOT REQUIRE TIGHTGRASPING.
- ALL BARREER FREE WATER CLOSET CONTROLS SHALL BE LOCATED ON UNIT TOWARDS WIDE SIDE OF STALL. VERIFY IF RIGHT OR LEFT SIDE LOCATION.

PLUMBING FIXTURE SCHEDULE - VA KITCHEN

61FCO	EXISTING FLOOR CLEANOUT
61FD-1	EXISTING FLOOR DRAIN
61HS-1	EXISTING HAND SINK
68	EXISTING WASTEWATER SINK, REFER TO FOOD SERVICE PLANS FOR SPECIFICATION AND EXACT LOCATION.
BAA	ICE MACHINE, REFER TO FOOD SERVICE PLANS FOR SPECIFICATION AND EXACT LOCATION.
68B	WATER DISPENSER, REFER TO FOOD SERVICE PLANS FOR SPECIFICATION AND EXACT LOCATION.
68	GOLD PEAK TEA DISPENSER, REFER TO FOOD SERVICE PLANS FOR SPECIFICATION AND EXACT LOCATION.
610	COFFEE BEVERER, REFER TO FOOD SERVICE PLANS FOR SPECIFICATION AND EXACT LOCATION.
6E3	PRESSURE FRYER, REFER TO FOOD SERVICE PLANS FOR SPECIFICATION AND EXACT LOCATION.
61	WASTEWATER SINK, REFER TO FOOD SERVICE PLANS FOR SPECIFICATION AND EXACT LOCATION.
FS-1	FLOOR SINK - ZURN, MEDIUM DUTY #6.6 T, 9"x9" MEDIUM DUTY DRAIN WITH SEDIMENT BUCKET AND LOOSE GATE, DURACOATED CAST IRON BODY, BOTTOM FINISH, 1/2" SLOPE TO THE UP PIPING, IN WITH INTEGRAL VACUUM BREAKER EQUAL TO ZURN Z-1022.
K1	COMBINATION OVEN/WALERS, PROVIDE TWO 3/4" CW LINES, ONE LINE SHALL BE REFERRED TO MANUFACTURERS INSTALLATION MANUAL FOR MORE INFORMATION. REFER TO FOOD SERVICE PLANS FOR SPECIFICATION.
K2	RANGE W/OVEN W/STACK KIT, REFER TO FOOD SERVICE PLANS FOR SPECIFICATION AND EXACT LOCATION.
K11	RANGE W/OVEN, REFER TO FOOD SERVICE PLANS FOR SPECIFICATION AND EXACT LOCATION.
K28	PREP SINK - REFER TO KITCHEN PLANS FOR SPECIFICATION AND EXACT LOCATION.
001	OFF THE GRILL, REFER TO FOOD SERVICE PLANS FOR SPECIFICATION AND EXACT LOCATION.
0011	FRYER-GAS, REFER TO FOOD SERVICE PLANS FOR SPECIFICATION AND EXACT LOCATION.
0012	FRYER-ELECTRIC, REFER TO FOOD SERVICE PLANS FOR SPECIFICATION AND EXACT LOCATION.
0M1	ONELETTE BAR, REFER TO FOOD SERVICE PLANS FOR SPECIFICATION AND EXACT LOCATION.
P81	PIZZA OVEN, REFER TO FOOD SERVICE PLANS FOR SPECIFICATION AND EXACT LOCATION.
P815	PIZZA OVEN, REFER TO FOOD SERVICE PLANS FOR SPECIFICATION AND EXACT LOCATION.
S-1	TWO COMPARTMENT SINK - COORDINATE WITH VCS FOR FINAL SELECTION.
S-2	TWO COMPARTMENT SINK - COORDINATE WITH VCS FOR FINAL SELECTION.
S-3	ONE COMPARTMENT SINK - COORDINATE WITH VCS FOR FINAL SELECTION.

ABBREVIATIONS

(E)	EXISTING
AF	ABOVE FINISHED FLOOR
BY	BALL VALVE
CO	PIPE CLEAN-OUT
CO	COLD WATER
DEM	DEMOLISH OR DEMOLITION
DEMO	DEMOLITION
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
FBI	FLORIDA BUILDING CODE
FCO	FLOOR CLEAN OUT
D	DRAIN
G	GAS
GOO	GRADE CLEAN OUT
GR	GRAB BAR
GR	GREASE
GMH	GAS WATER HEATER
HW	HOT WATER
HW	HOT WATER RETURN
HW	HOT WATER RETURN UNIONS CODE
IE	INVERT ELEVATION
LAV	LAVATORY
NG	NATURALLY CLOSED
NG	NATURALLY OPEN
NG	SANITARY
NG	SANITARY OPEN
VTR	VENT THROUGH ROOF
WC	WATER CLOSET
WC	WATER CLOSET
WC	WALL CLEAN OUT
WFLU	WATER SUPPLY FIXTURE UNITS

PLUMBING FIXTURE SCHEDULE - VA KITCHEN

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- THE PLUMBING SUBCONTRACTOR SHALL FURNISH AND INSTALL ALL PLUMBING FIXTURES, UNLESS NOTED OTHERWISE.
- VERIFY MOUNTING HEIGHT AND WATER CONNECTION SIZES OF ALL PLUMBING FIXTURES PRIOR TO ROUGH-IN. FURNISH CUT-OUT TEMPLATES FOR PLUMBING FIXTURES TO BE INSTALLED IN MILLWORK, TO THE GENERAL CONTRACTOR.
- MAKE PROPER HOT AND COLD WATER, WASTE AND VENT PIPING CONNECTIONS TO ALL FIXTURES AND EQUIPMENT. EVEN THROUGH-FLOOR PENETRATIONS AND CONNECTIONS ARE NOT SHOWN.
- VERIFY LOCATION OF EXISTING WATER SERVICE AND THE LOCATION/INVERTS OF SANITARY PIPING PRIOR TO INSTALLATION.
- CUT AND PATCH CONCRETE AS REQUIRED.
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- HOT AND COLD WATER SUPPLY BRANCHES FOR ALL SYSTEMS HAVING QUICK CLOSING VALVES OF ANY TYPE SHALL HAVE WATER HAMMER ARRESTORS INSTALLED AT THE HIGH POINT ON THE END OF EACH BRANCH.
- FURNISH AND INSTALL SHUTOFF BALL VALVE AND DIELECTRIC UNIONS FOR ALL EQUIPMENT HOT AND COLD WATER CONNECTIONS. PROVIDE DIELECTRIC UNIONS FOR ALL EQUIPMENT HOT AND COLD WATER CONNECTIONS. COORDINATE WITH EQUIPMENT SUPPLIER FOR EXACT REQUIREMENTS.
- VERIFY MOUNTING HEIGHTS OF ALL BARREER FREE FIXTURES WITH ARCHITECTURAL PLANS.
- PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL COPPER INDIRECT WASTE PIPING REQUIRED FROM ALL SINKS, TUBS, SHOWERS, AND TOILETS. ALL WASTE PIPING SHALL BE INSTALLED WITH FINISHED FLOOR TO WALL WHERE APPLICABLE. PROPERLY SECURE AS REQUIRED BY PIECE OF EQUIPMENT SERVED. HOLD DRIP TIGHT MAXIMUM CLEARANCE UNDER CABINETS.
- PLUMBING CONTRACTOR SHALL INSTALL 4" SOIL AND WASTE PIPING WITH MINIMUM SLOPE OF 1/8" PER FOOT UNLESS OTHERWISE REQUIRED.
- ALL FLOOR DRAINS ARE TO BE PROVIDED WITH MINIMUM 2" DRAIN LINES, DEEP SEAL, TRAPS, AND AUTOMATIC TRAP PRIMERS. TRAP PRIMERS SHALL BE LOCATED IN A SERVICEABLE LOCATION AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS. TRAP PRIMERS SHALL BE INSTALLED WITH FINISHED FLOOR; SEE ARCHITECTURAL SHEETS FOR FLOOR SLOPES AND PROPER FINISHED FLOOR ELEVATION.
- ALL VENT PIPE TO BE COMPAIBLE WITH THE MECHANICAL EQUIPMENT. DUCTWORK, ELECTRICAL, EQUIPMENT, AND LIGHTING. ALL V.T.S. SHALL BE EXTENDED TO A MINIMUM OF 2' ABOVE PARAPET HEIGHT AND MAINTAINED 10'-0" MINIMUM FROM ALL OUTSIDE AIR INTAKES.
- MATERIALS, EQUIPMENT, ASSEMBLIES AND SYSTEMS SHALL MEET ALL PERTINENT REQUIREMENTS OF NATIONALLY RECOGNIZED TESTING ORGANIZATIONS SUCH AS UL, ASTM, ASSE, ANWVE, AGA AND NFPA AS WELL AS THE MOST CURRENT VERSION OF THE STATE AND LOCAL CODES.
- ALL INSTALLED SYSTEMS, DEVICES AND RELATED ITEMS SHALL BE TESTED IN PLACE. REPLACE ANY AND ALL DEFECTIVE ITEMS, DEVICES, OR SYSTEMS AT CONTRACTOR'S EXPENSE, BEFORE COMPLETION OF PROJECT.
- WHERE JOB CONDITIONS REQUIRE CHANGES FROM THE CONTRACT DOCUMENTS THAT DO NOT CHANGE THE SCOPE OR NATURE OF WORK REQUIRED, THE CONTRACTOR SHALL MAKE SUCH CHANGES WITHOUT ADDITIONAL COST TO THE OWNER. NO OTHER CHANGES MAY BE MADE WITHOUT WRITTEN PERMISSION OF THE ENGINEER.
- ALL EQUIPMENT, FIXTURES AND MATERIALS SHALL BE NEW AND UNUSED, AND INSTALLED IN STRICT CONFORMANCE TO MANUFACTURER'S RECOMMENDATIONS (UNO). PROVIDE COMPLETE WITH ALL TRIM, STOPS, PARTS AND ACCESSORIES. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. FIXTURES ARE ACCESSIBLE THEY MUST COMPLY WITH ALL FEDERAL A.G.A. REGULATIONS.
- CONTRACTOR SHALL GUARANTEE ALL WORK FOR WHICH MATERIALS ARE FURNISHED, FABRICATED, FIELD ERECTED, ALL FACTORY ASSEMBLED EQUIPMENT FOR WHICH SPECIFIC MANUFACTURERS GUARANTEED IS FURNISHED, AND ALL WORK IN CONNECTION WITH INSTALLATION OF MANUFACTURERS GUARANTEED EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES, STRUCTURES, AND SHALL APPLY TO ALL DEFECTS IN MATERIALS AND WORKMANSHIP OF ANY KIND.
- ALL FAUCET CONTROLS SHALL BE OPERABLE WITH ONE HAND AND NOT REQUIRE TIGHTGRASPING.
- ALL BARREER FREE WATER CLOSET CONTROLS SHALL BE LOCATED ON UNIT TOWARDS WIDE SIDE OF STALL. VERIFY IF RIGHT OR LEFT SIDE LOCATION.

<p>LEGEND, NOTES AND SCHEDULES - PLUMBING</p> <p>Approved: Project Director DALE A. BACKI, P.E.</p>		<p>100% CONSTRUCTION DOCUMENTS</p>		<p>Project Title RENOVATE VCS PATRIOT CAFE</p> <p>Project Number 546-17-109</p> <p>Building Number 1</p>			
<p>Office of Construction and Facilities Management</p> <p>U.S. Department of Veterans Affairs</p>		<p>Location MIAMI, FL</p> <p>Issue Date 02/09/2018</p>		<p>Drawing Number 1-PL001</p>			
<p>ARCHITECT/ENGINEER OF RECORD</p> <p>MES GROUP</p> <p>550 North Polo Street Suite 203 Tampa, FL 33609 813.289.4700 COA F 6504</p>		<p>STAMP</p> <p>NICHOLAS P. STEPHENSON, P.E. 80283</p>		<p>Phase FULLY SPRINKLERED</p>			
<p>CONSULTANT</p> <p>THE LUNZ GROUP</p> <p>585 Main Street, Suite 201 Dunedin, FL 34698 9 277.733.0000 N: AAC0101800</p>		<p>Revisors:</p> <table border="1"> <tr><td>Date:</td><td></td></tr> </table>		Date:		<p>VA FORM 08 - 6231</p>	
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GENERAL NOTES

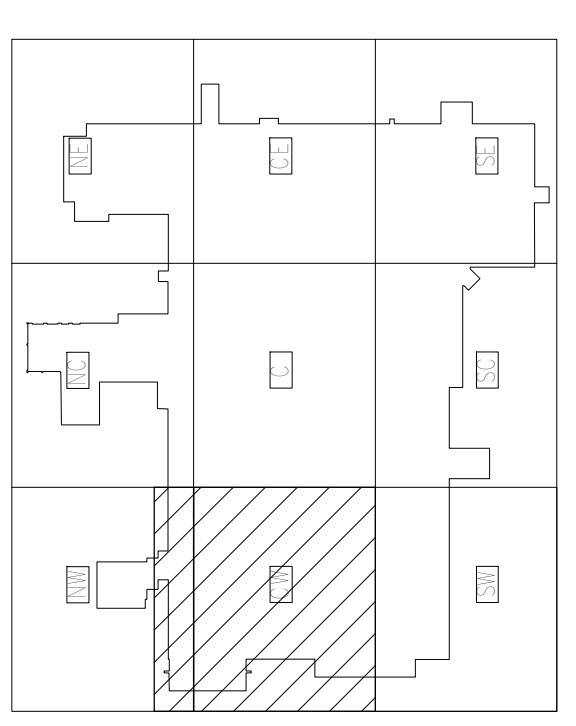
- CONTRACTOR TO FIELD VERIFY ALL CONNECTION POINTS TO EXISTING SYSTEM PIPING AND IDENTIFY ALL RISERS AFFECTED.
- ALL SERVICE INTERRUPTIONS TO THIS EXISTING FACILITY MUST BE SCHEDULED AT LEAST 2 WEEKS IN ADVANCE AND BE KEPT TO A MINIMUM. COORDINATE ALL DISRUPTIVE WORK AND OUTAGE REQUIREMENTS WITH THE COR.
- EXISTING EQUIPMENT, PIPE ROUTING, AND ASSOCIATED COMPONENTS SHOWN ON THIS DRAWING ARE FOR REFERENCE. VERIFY ALL EXISTING CONDITIONS AND COORDINATE WITH EXACT LOCATIONS, ELEVATIONS, SIZES, AND CONDITIONS OF EXISTING COMPONENTS.
- COORDINATE NEW EQUIPMENT INSTALLATION WITH ALL EXISTING COMPONENTS TO REMAIN.

KEYNOTES

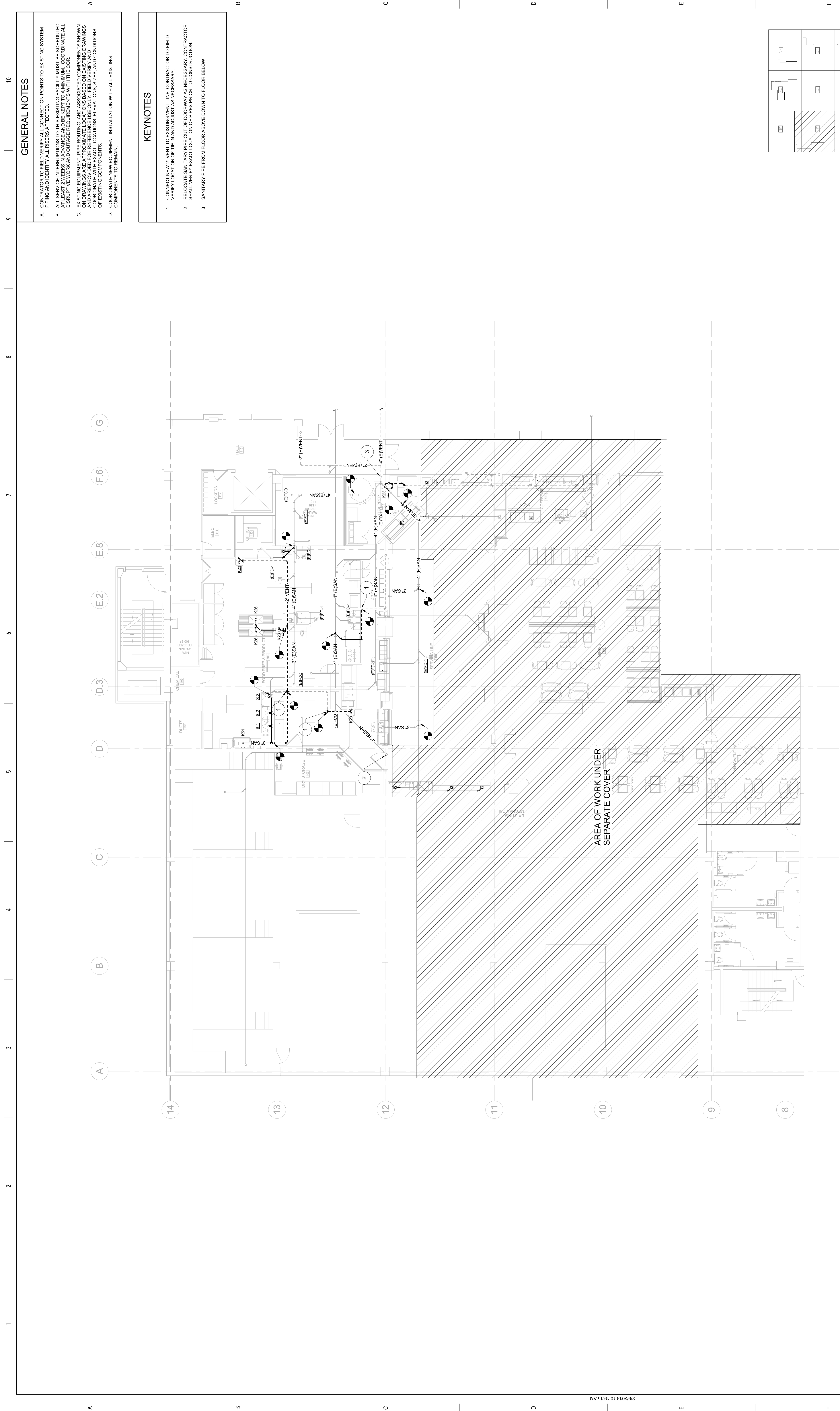
- REMOVE EXISTING SINK AND ALL ASSOCIATED PIPING AND ACCESSORIES.
- REMOVE AND PROPERLY DISPOSE OF EXISTING FLOOR DRAIN AND ALL ASSOCIATED PIPING AND ACCESSORIES TO UNDER FLOOR AND CAP PATCH FLOOR TO MATCH EXISTING.
- REMOVE SECTION OF PIPE TO PREPARE PIPE FOR NEW TEE INSTALLATION. REFER TO RENOVATION PLANS FOR EXACT LOCATION.
- REMOVE GAS PIPING BACK TO RISER AND CAP FOR REUSE.
- EXISTING DOMESTIC WATER PIPING IN 1ST FLOOR CEILING. CONTRACTOR TO VERIFY EXACT LOCATION OF PIPING AND MAKE NECESSARY ADJUSTMENTS.



ENLARGED 2ND FLOOR DEMOLITION PLAN - PLUMBING - VA KITCHEN
Scale: 1/8" = 1'-0"
TRUE PLAN



CONSULTANT THE LUNZ GROUP 585 Main Street, Suite 201 Dunedin, FL 34688 9 277.233.8000 E: ALC@LUNZ.COM	ARCHITECT/ENGINEER OF RECORD MES GROUP 550 North Pine Street Suite 203 Tampa, FL 33609 813.294.4700 COA F 5504	STAMP NICHOLAS P. STEPHENSON, P.E. 82853	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title ENLARGED 2ND FLOOR DEMOLITION PLAN - PLUMBING Approved: Project Director DALE A. BACIK, P.E.	Phase 100% CONSTRUCTION DOCUMENTS FULLY SPRINKLERED	Project Title RENOVATE VCS PATRIOT CAFE	Project Number 546-17-109
						Location MIAMI, FL	Building Number 1

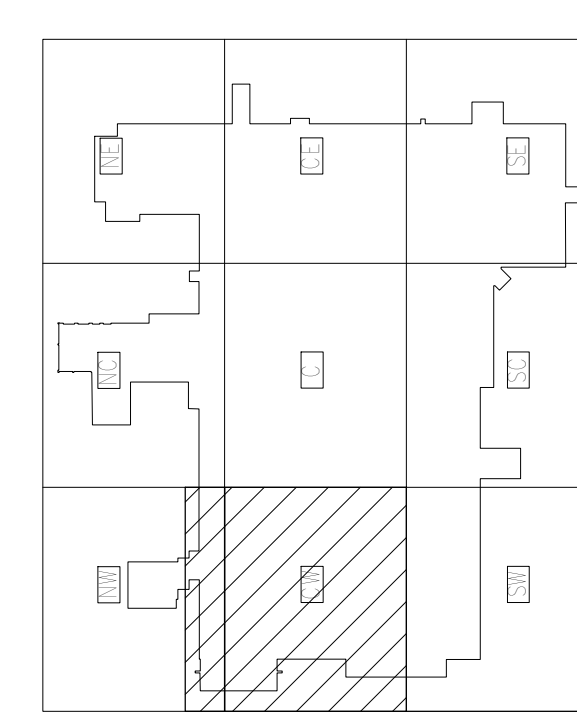


GENERAL NOTES

- A. CONTRACTOR TO FIELD VERIFY ALL CONNECTION POINTS TO EXISTING SYSTEM PIPING AND IDENTIFY ALL RISERS AFFECTED.
- B. ALL SERVICE INTERRUPTIONS TO THIS EXISTING FACILITY MUST BE SCHEDULED AT LEAST 2 WEEKS IN ADVANCE AND BE KEPT TO A MINIMUM. COORDINATE ALL DISRUPTIVE WORK AND OUTAGE REQUIREMENTS WITH THE COR.
- C. EXISTING EQUIPMENT, PIPE ROUTING, AND ASSOCIATED COMPONENTS SHOWN ON THESE DRAWINGS ARE FOR REFERENCE. USE ONLY AS NECESSARY AND COORDINATE WITH EXACT LOCATIONS, ELEVATIONS, SIZES, AND CONDITIONS OF EXISTING COMPONENTS.
- D. COORDINATE NEW EQUIPMENT INSTALLATION WITH ALL EXISTING COMPONENTS TO REMAIN.

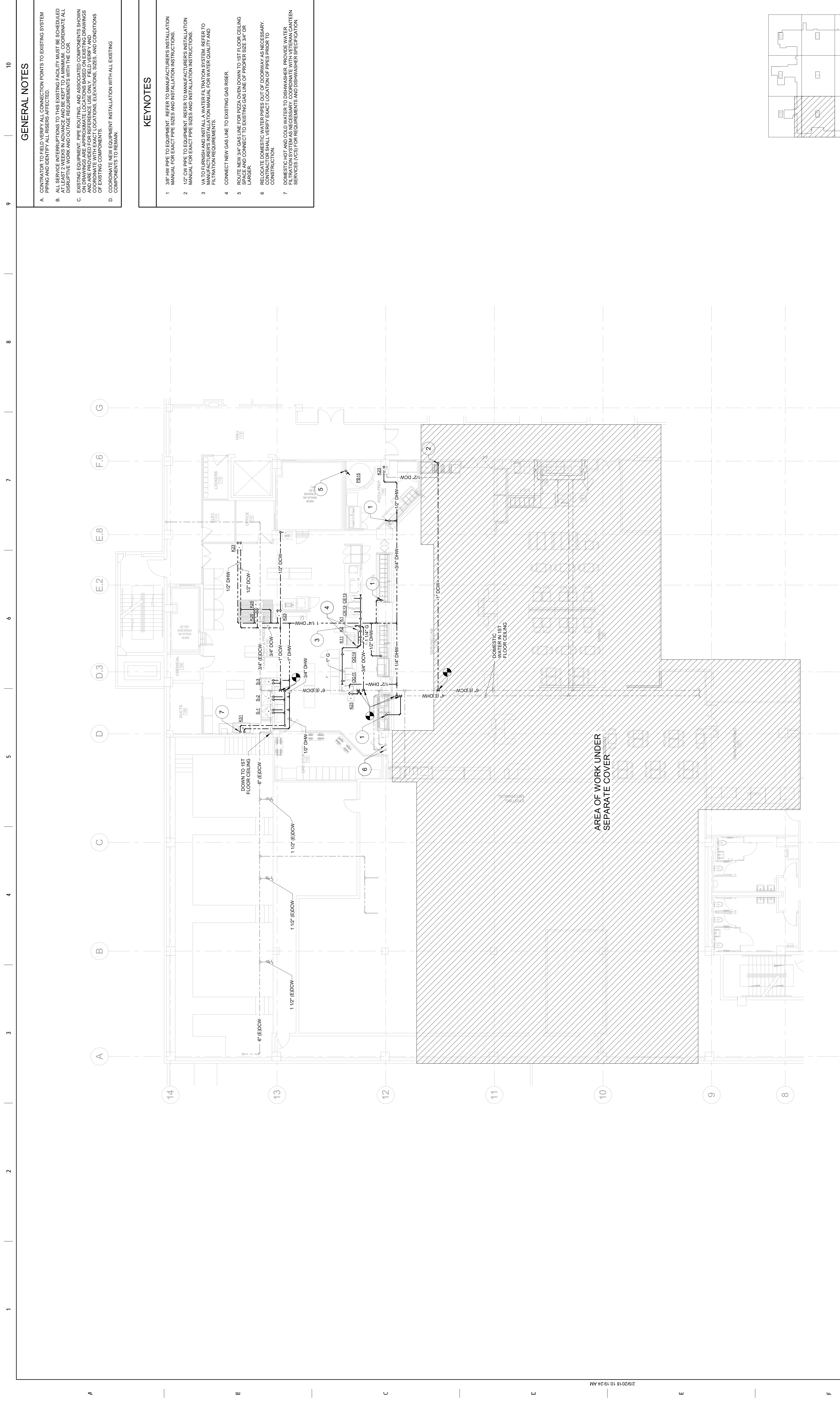
KEYNOTES

- 1. CONNECT NEW 2" VENT TO EXISTING VENT LINE. CONTRACTOR TO FIELD VERIFY LOCATION OF TIE IN AND ADJUST AS NECESSARY.
- 2. RELOCATE SANITARY PIPE OUT OF DOORWAY AS NECESSARY. CONTRACTOR SHALL VERIFY EXACT LOCATION OF PIPES PRIOR TO CONSTRUCTION.
- 3. SANITARY PIPE FROM FLOOR ABOVE DOWN TO FLOOR BELOW.



ENLARGED 2ND FLOOR RENOVATION PLAN - SANITARY AND VENT - VA KITCHEN
 Scale: 1/8" = 1'-0"
 TRUE PLAN

CONSULTANT THE LUNZ GROUP 585 Main Street, Suite 201 Dunedin, FL 34688 P: 727.233.8800 F: 727.233.8800 E: info@thelunzgroup.com	ARCHITECT/ENGINEER OF RECORD MES GROUP 550 North Pine Street Suite 203 Tampa, FL 33609 813.294.4700 COA F 5504	STAMP NICHOLAS P. STEPHENSON, P.E. 82953	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title ENLARGED 2ND FLOOR RENO PLAN - SANITARY AND VENT Approved: Project Director DALE A. BACIK, P.E.	Phase 100% CONSTRUCTION DOCUMENTS FULLY SPRINKLERED	Project Title RENOVATE VCS PATRIOT CAFE	Project Number 546-17-109
						Location MIAMI, FL	Building Number 1
Revisors:		Checked NPS	Drawn DM	Issue Date 02/09/2018			



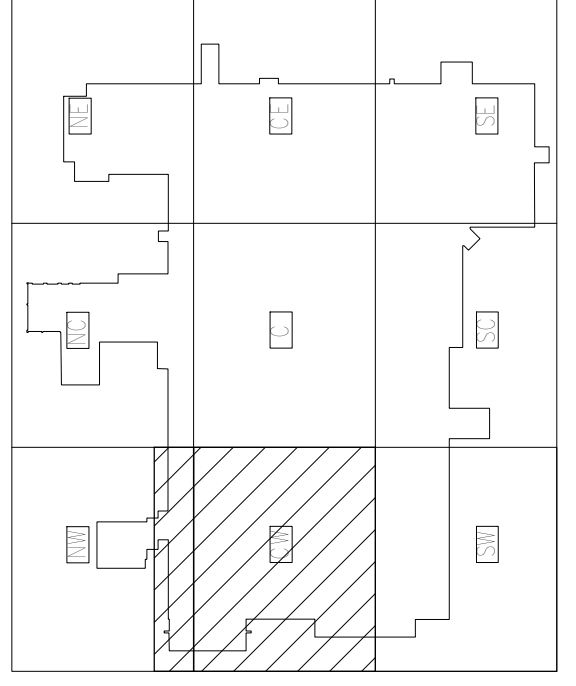
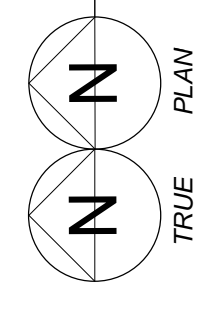
GENERAL NOTES

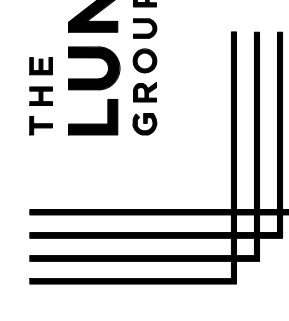

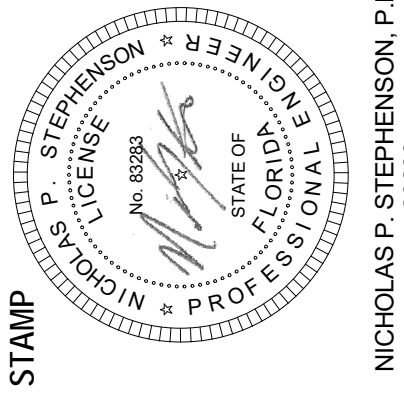

- A. CONTRACTOR TO FIELD VERIFY ALL CONNECTION POINTS TO EXISTING SYSTEM PIPING AND IDENTIFY ALL RISERS AFFECTED.
- B. ALL SERVICE INTERRUPTIONS TO THIS EXISTING FACILITY MUST BE SCHEDULED AT LEAST 2 WEEKS IN ADVANCE AND BE KEPT TO A MINIMUM. COORDINATE ALL DISRUPTIVE WORK AND OUTAGE REQUIREMENTS WITH THE COR.
- C. EXISTING EQUIPMENT, PIPE ROUTING, AND ASSOCIATED COMPONENTS SHOWN ON THESE DRAWINGS ARE TO REMAIN UNLESS OTHERWISE NOTED. ALL NEW DRAWINGS AND PIPING PROVIDED FOR REVISIONS SHALL BE KEPT ON FILE AND COORDINATED WITH EXISTING DRAWINGS. ELEVATIONS, SIZES, AND CONDITIONS OF EXISTING COMPONENTS.
- D. COORDINATE NEW EQUIPMENT INSTALLATION WITH ALL EXISTING COMPONENTS TO REMAIN.

KEYNOTES

- 1. 3/8\"/>

ENLARGED 2ND FLOOR RENOVATION PLAN - DOMESTIC WATER - VA KITCHEN
 Scale: 1/8" = 1'-0"
 TRUE PLAN



	CONSULTANT	 THE LUNZ GROUP <small>585 Main Street, Suite 201 Dunedin, FL 34688 927.733.8000 FL AOC201900</small>	ARCHITECT/ENGINEER OF RECORD  MES GROUP <small>550 North Pine Street Suite 203 Tampa, FL 33609 813.294.4700 COA F 6504</small>	STAMP  <small>NICHOLAS P. STEPHENSON, P.E. 82953</small>	Office of Construction and Facilities Management  U.S. Department of Veterans Affairs <small>DALE A. BACIK, P.E.</small>	Drawing Title ENLARGED 2ND FLOOR RENOVATION PLAN - DOMESTIC WATER <small>AMANDA EBER</small>	Phase 100% CONSTRUCTION DOCUMENTS FULLY SPRINKLERED	Project Title RENOVATE VCS PATRIOT CAFE	Project Number 546-17-109	
									Location MIAMI, FL	Building Number 1
									Issue Date 02/09/2018	Drawing Number 1-PL202-N
									Checked NPS	Drawn DM