

		EXISTING / NEW SUPPLY DIFFUSER
		EXHAUST / NEW EXHAUST DIFFUSER
		EXISTING / NEW RETURN DIFFUSER
		EXISTING / NEW LINEAR DIFFUSER WITH PLENUM BOOT
		EXISTING / NEW SIDEWALL DIFFUSER
		EXISTING / NEW FANCOIL UNIT
		EXISTING / NEW AIR HANDLER
		EXISTING / NEW CEILING EXHAUST FAN
		EXISTING / NEW CONTROL DAMPER
		EXISTING / NEW FIRE DAMPER
		EXISTING / NEW BOOT W/ VOLUME DAMPER
		EXISTING / NEW FLEX DUCT
		EXISTING / NEW DUCT TRANSITION
		EXISTING / NEW ROOFTOP EXHAUST FAN
<p>Legend for diffuser types and equipment identification:</p> <ul style="list-style-type: none"> TYP: DIFFUSER TYPE CFM: DENOTES EQUIPMENT IDENTIFICATION CFM: DENOTES CFM KEYNOTE: KEYNOTE MD: MOTORIZED DAMPER SD: SMOKE DETECTOR FD: FIRE DAMPER H: HUMIDISTAT FSD: FIRE SMOKE DAMPER T: THERMOSTAT DIRECTION FLOW: DIRECTION FLOW VOLUME DAMPER: VOLUME DAMPER 		

AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AHU-#	AIR HANDLING UNIT
AP	ACCESS PANEL
BDD	BACKDRAFT DAMPER
BLDG	BUILDING
BOD	BOTTOM OF DUCT
C	CONDENSATE
CBD	COUNTER BALANCED DAMPER
CD	CEILING DIFFUSER
CF	CAPPED FOR FUTURE
CLG	CEILING
CONT	CONTINUATION
CO	COPPER
CU-#	CONDENSING UNIT
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
EA	EXHAUST AIR
EF	EXHAUST FAN
ENC	ENCLOSURE
ER	EXHAUST REGISTER
FC	FLEXIBLE CONNECTION
FD	FIRE DAMPER
FSD	FIRE SMOKE DAMPER
H	HUMIDISTAT
H & V	HEATING AND VENTILATION
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
MAX	MAXIMUM
MBH	1000 BTU/Hr
MFR	MANUFACTURER
MIN	MINIMUM
MD	MOTOR OPERATED DAMPER
MA	MAKE UP AIR
NC	NOT IN CONTRACT
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OSD	OPPOSED BLADE DAMPER
RA	RETURN AIR
RD	ROOF DRAIN
RG	RETURN GRILLE
RM	ROOM
RR	RETURN REGISTER
SA	SUPPLY AIR
S	SMOKE DETECTOR
SD	SMOKE DAMPER
SF	SUPPLY FAN
SG	SUPPLY GRILLE
SR	SUPPLY REGISTER
SS	STAINLESS STEEL
"Ø	INCHES, DIAMETER

1. RESIDENTIAL DRYER SHALL BE GENERAL ELECTRIC
MODEL NUMBER 'GUD27E9S' WITH MANUFACTURER
INSTALLATION EXHAUST LENGTHS AS FOLLOW:

NO. 90° ELBOWSLENGTH OF VENT FOR RIGID METAL
(DUCT RUN PLUS INDICATED ELBOWS)

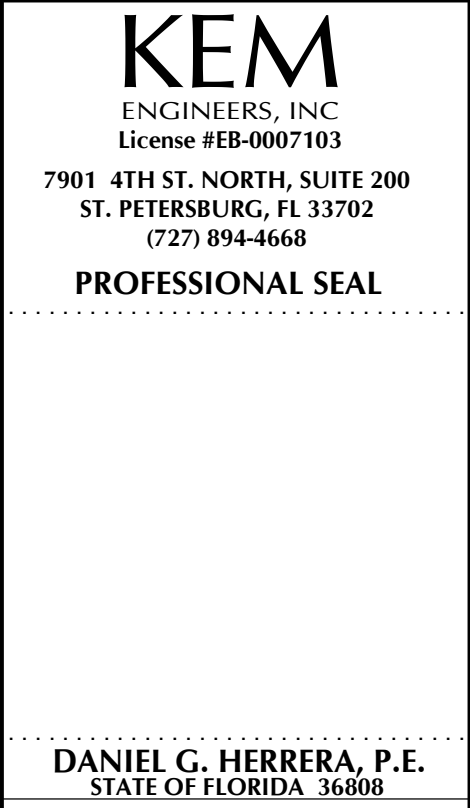
Ø	56 FEET
1	44 FEET
2	34 FEET
3	24 FEET

<u>CFM RANGE</u>	<u>MINIMUM INTERNAL DIA.</u>
0-100	6" Ø
101-140	7" Ø
141-250	8" Ø
251-450	10" Ø
451-650	12" Ø
651-1000	14" Ø

NOTES:

1. PROVIDE ROUND DUCTS UNLESS OTHERWISE NOTED ON FLOW PLANS
2. "DIAMETER" MEANS INSIDE DUCT DIAMETER

- PIPE AND DUCT ROUTING SHOWN IS SCHEMATIC IN DESIGN. HVAC CONTRACTOR SHALL PROVIDE ANY ADDITIONAL OFFSETS AND FITTINGS, INCLUDING DIVERT DUCTS REQUIRED FOR OTHER INSTALLED EQUIPMENT AND TO MAINTAIN CLEARANCES AS ENCOUNTED IN THE FIELD. WORK SHALL BE COORDINATED WITH EXISTING UTILITIES WHICH ARE TO REMAIN IN PLACE.
- COORDINATE WITH ALL OTHER TRADES PRIOR TO PURCHASING OR INSTALLING EQUIPMENT AND MATERIALS.
- COORDINATE DIFFUSER, REGISTERS AND GRILLE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLAN AND OTHER TRADES.
- SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS TO COORDINATE ROOF PENETRATIONS WITH PROPER INSTALLATION DETAILS.
- ALL DUCT SHALL BE ANTI-MICROBIAL TYPE FIBERBOARD DUCT EQUAL TO JOHNS MANVILLE SUPER DUCT WITH R 6.4, 1/12" THICK INSULATION. ANY DUCT PENETRATING A FIRE WALL WITH NO FIRE DAMPERS SHALL BE GALVANIZED SHEETMETAL WITH R-6 INSULATION. CONTRACTOR SHALL COMPLY WITH FLORIDA BUILDING CODE 2014, MECHANICAL CODE 6013.3 EXCEPTION CONDITION, ALL DUCT SHALL BE GALVANIZED SHEETMETAL DUCT PER SMAGNA GUIDELINES.
- TERMOSTATS SHALL BE PROGRAMMABLE MICROPROCESSOR TYPE WITH HUMIDITY CONTROL AND 24 HOUR 48 VOLT ACBOLL FINISH FLOOR AND PER ADA REQUIREMENTS. INSTALL ALL THERMOSTATS INSIDE A LOCKABLE BOX.
- EXHAUST FANS SHALL HAVE FACTORY INSTALLED INTEGRAL DISCONNECTS, DIRECT DRIVE FANS TO HAVE SPEED CONTROL AND BACKDRIFT DAMPER.
- DUCT SIZES ARE SHOWN MINIMUM INSIDE DIMENSIONS. COORDINATE FOR DUCT THICKNESS AT POINT OF INTERSECTION WITH OTHER TRADES PRIOR TO INSTALLATION.
- EXHAUST FAN OUTLETS, VENTS, GAS VENTS, OR DRYER EXHAUST SHALL BE INSTALLED A MINIMUM 10'-0" (FEET) FROM OUTSIDE AIR INTAKES.
- DUCT MOUNTED SMOKE DETECTORS SHALL BE FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR AND WIRED BY ELECTRICAL CONTRACTOR.
- ALL FIBROUS GLASS INSULATION JOINTS, SEAMS AND CONNECTIONS SHALL BE CONSTRUCTED WITH PRESSURE SENSITIVE TAPE, FABRIC, AND STAPLES THEN SEALED WITH MASTIC. HEAT AND FIRE RESISTANT TAPE ARE NOT ACCEPTABLE AS FINAL CLOSURE.
- SEAL ALL DUCTWORK JOINTS WITH DUCT SEALANT PER PROJECT SPECIFICATIONS.
- ALL PENETRATIONS, DUCT, PIPING AND CONTROL CONDUIT IN FIRE AND SMOKE PARTITIONS SHALL BE PROPERLY SEALED PER DETAILS IN ARCHITECTURAL SPECIFICATIONS, DIVISION 6.
- FIRE DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION AND SHALL BE UL LISTED.
- TEST AND BALANCE CONTRACTOR SHALL TAKE AIR PRESSURE DIFFERENTIAL ACROSS DUCT SMOKE DETECTOR SAMPLING TUBES. RESULTS SHALL BE INCORPORATED IN FINAL TEST AND BALANCE REPORT AND SHALL BE AVAILABLE FOR INSPECTION AT FINAL INSPECTION.
- TEST AND BALANCE CONTRACTOR SHALL HAVE A COPY OF FINAL TEST AND BALANCE REPORT AVAILABLE AT FINAL INSPECTION.
- INTERLOCK OPERATION OF EXHAUST FANS WITH OPERATION OF CORRESPONDING HVAC EQUIPMENT PER EXHAUST FAN SCHEDULE.
- ALTERNATE MANUFACTURERS AND MODELS WILL BE REVIEWED PER PROJECT SPECIFICATIONS. THERE MAY BE ARCHITECTURAL, STRUCTURAL AND ELECTRICAL CHANGES RESULTING FROM THE ALTERNATES. THE COST AND COORDINATION OF IMPLEMENTING AND ENGINEERING THESE CHANGES SHALL BE BORNE BY THE SUB-CONTRACTOR REQUESTING THE CHANGES, EVEN IF SUCH CHANGES HAVE BEEN APPROVED BY THE ENGINEER WITH NO ADDITIONAL COST TO THE OWNER.
- ALL OUTSIDE AIR INTAKES AND EXHAUST AIR DUCTS SHALL BE GALVANIZED SHEETMETAL MANUFACTURED ACCORDING TO SMAGNA.
- THE MECHANICAL NOTES ARE PART OF THE DESIGN SET AND IF THERE IS ANY CONFLICT BETWEEN THE DESIGN SPECIFICATIONS OR THE FLORIDA BUILDING CODE 2014, THE STRICTER REQUIREMENT SHALL TAKE PRIORITY.
- ANY DUCT PENETRATING A FIRE RATED WALL OR CEILING SHALL HAVE A FIRE DAMPER AND ACCESS PANEL WITH A MINIMUM 24" X 24" GALLON OR MUST LIST EXCEPTION CONDITIONS OF FLORIDA BUILDING CODE 2014 AND MECHANICAL CODE 2014 6013.3.3.
- ALL DIFFUSERS SHALL HAVE A MANUAL VOLUME DAMPER AT DUCT CONNECTION. SEE DETAILS ON M600 SERIES DRAWINGS.
- REFER TO MANUFACTURER RECOMMENDATION FOR EQUIPMENT AND AIR HANDLING UNIT'S CEILING ACCESS PANEL OR DOOR SIZE, DIMENSION AND LOCATION. REFER TO EQUIPMENT MANUFACTURER RECOMMENDED CLEARANCE AND INSTALLATION RECOMMENDATIONS.
- CONNECT ALL CONDENSATE DRAIN TO STORM DRAIN, DRYWELL OR OUTDOOR LANDSCAPE.
- ALL DOOR UNDERCUT SHALL BE A MINIMUM 3/4" UNLESS OTHERWISE NOTED. REFER TO ARCHITECTURAL SPECIFICATIONS.
- INSTALL CEILING ACCESS DOOR FOR EVERY DAMPER IF IT IS NOT ACCESSIBLE FROM CEILING FLEX.
- ALL SUPPLY AIR HAVE TURN 72(DEGREE) OR LARGER SHALL HAVE A 45 DEGREE, 90 DEGREE DUCT ELBOW SHALL HAVE TURNING VANES IN THEM.
- ALL DRYER EXHAUST DUCT SHALL BE ROUND GALVANIZED RIGID SHEET METAL DUCT WITH RADIUS ELBOWS. CORRUGATED OR FLEX DUCT IS NOT PERMITTED.
- PROVIDE ALL OUTSIDE AIR INTAKE DUCT WITH TWO POSITION (SPRING RETURN)MOTORIZED DAMPER AND MANUAL VOLUME DAMPER.
- CONDENSATE DRAIN PIPING SHALL BE PVC, INSULATED WITH 1/2" THICK ARMAFLEX AND SLOPED 1/8" PER FOOT TO DRAIN FLOOR.
- PROVIDE ALL MECHANICAL EQUIPMENT ON ROOF AND LOVERS WITH MAMI DADA NOTICE OF ACCESS TO ACCESS AND/OR FLOOR PRODUCT APPROVAL NUMBER.
- PROVIDE WITH ALL NECESSARY AND OPTIONAL HARDWARE, FITTINGS, ESCUTCHEONS, ETC. TO ASSURE SYSTEM WORK PROPERLY. FOR ANY DISCREPANCY CONSULT WITH ENGINEER PRIOR TO BIDDING, NO CHANGE ORDER SHALL BE ACCEPTED AFTER CONTRACT IS AWARDED FOR THE SPECIFIED WORK.
- ALL LOUVERS IN THE STAIRWELL AND ELEVATOR SHAFTS SHALL BE EQUIPPED WITH MOTORIZED DAMPERS AND WIRED TO A FIRE ALARM CONTROL PANEL IN THE STAIRWELL FOR THREE (3) FLOORS OR HIGHER BUILDING.
- REFER TO STRUCTURAL DRAWINGS FOR ROOF TOP MECHANICAL EQUIPMENT.
- CONTRACTOR SHALL COORDINATE AIR HANDLING UNIT ACCESS PANEL LOCATION AND DIMENSIONS WITH UNIT MANUFACTURER'S INSTALLATION MANUAL PRIOR TO CONSTRUCTION.



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DATE:	ISSUED FOR:
12-29-17	BUILDING PERMIT

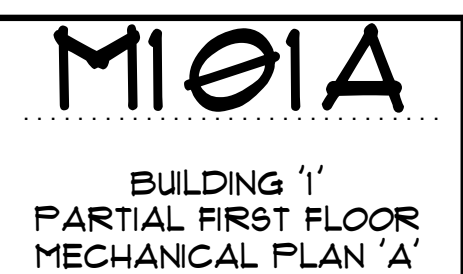
PROJECT NO:	15083.00
DRAWN BY:	SLG
PROJECT MANAGER:	AW
CHECKED BY:	DGH
DATE:	12-29-11
SCALE:	AS INDICATED

M001

MECHANICAL GENERAL INFORMATION



KEY PLAN





1. FOR ABBREVIATIONS, SYMBOLS, LEGEND AND GENERAL NOTES SEE SHEET M2001
2. COORDINATE EQUIPMENT INSTALLATION AND LOCATION WITH MANUFACTURER REQUIREMENTS PERFORM TO CONSTRUCTION.
3. INSTALL FIRE DAMPERS OR FIRE / SMOKE DAMPERS AT ALL DUCT PENETRATIONS THROUGH FIRE WALLS OR FIRE / SMOKE WALLS RESPECTIVELY. COORDINATE EXACT LOCATION PRIOR TO INSTALLATION.
4. CONTRACTOR SHALL FOLLOW MANUFACTURER'S REQUIREMENTS FOR REFRIGERANT PIPING LENGTHS. REFER TO M2000 SERIES DRAWINGS.
5. CONTRACTOR SHALL COORDINATE REFRIGERANT PIPING ROUTING WITH ALL OTHER TRADES PERFORM TO INSTALLATION.
6. SMOKE DETECTORS FOR AIR HANDLING UNITS AND ROOFTOP UNITS SHALL PROVIDE AUTOMATIC FAN SHUTDOWNS FOR EACH UNIT AND SHALL PROVIDE A SILENT SIGNAL TO THE FIRE ALARM SYSTEM. SILENT ALARMING DETECTION BUILT TO GENERAL ALARM ALL AIR HANDLING UNITS AND ROOFTOP UNITS (EXCEPT WITH THE RESIDENTIAL UNIT) SHALL SHUT DOWN.
7. PROVIDE A MOTORIZED DAMPER AND VOLUME DAMPER AT ALL OUTSIDE AIR CONNECTIONS TO THE AIR HANDLING UNITS INSIDE OF MECHANICAL ROOMS.
8. PROVIDE FIRE DAMPERS AT ALL PENETRATIONS OF FIRE-RATED CEILING INCLUDING MECHANICAL ROOMS.
9. METALLIC DUCTS (LESS THAN 100 SQUARE INCHES) PENETRATING A FIRE PARTITION AND/OR SMOKE BARRIER SHALL BE INSTALLED PER DETAIL Labeled "DUCT PENETRATION OF FIRE-RATED PARTITION" AND DUCT PENETRATION OF SMOKE BARRIER AND SHALL BE INSTALLED PER DETAIL Labeled "DUCT PENETRATION OF DUCT LISTED IN THE FLORA BUILDING MECHANICAL CODE SECTION 6015.3.

- 1 SEE M491 UNIT PLANS FOR CONTINUATION PROVIDE ACCESS PANEL PER ARCHITECTURAL DRAWINGS.
- 2 PROVIDE WALL MOUNTED THERMOSTAT PROVIDED BY MANUFACTURER AND INSTALLED BY ELECTRICAL CONTRACTOR.
- 3 REFER TO M191 EXHAUST FAN SCHEDULE FOR SIZING AND ACCESSORIES.
- 4 PROVIDE 6X6 DUCTED VENTILATION AIR TRANSFER INTO RESIDENT SPACE.
- 5 6" DIAMETER EXHAUST DUCT TO WALL CAP. COORDINATE WITH ARCHITECTURAL DRAWING FOR SOFFIT LOCATION.
- 6 *EXHAUST DUCT ATTACHED TO KITCHEN RANGE VENTILATION HOOD. SEE M601 MECHANICAL DETAILS FOR CONNECTION DETAIL.
- 7 1" DIAMETER DRYER EXHAUST DUCT TO WALL CAP. COORDINATE WITH ARCHITECTURAL DRAWING SOFFIT.
- 8 PROVIDE GREENECK LOWER MODEL EVH-501D. SEE M191 FOR SIZE AND SPECIFICATIONS.

===== FRAMED PARTITION / WALL

- - - - - 1 HOUR FIRE PARTITION
 - - - - - 1 HOUR FIRE BARRIER

CFM RANGE	MINIMUM INTERNAL DIA.
0-100	6" Ø
101-140	7" Ø
141-250	8" Ø
251-450	10" Ø
451-650	12" Ø
651-1000	14" Ø

NOTES:

1. PROVIDE ROUND DUCTS UNLESS OTHERWISE NOTED ON FLOOR PLANS
2. "DIAMETER" MEANS INSIDE DUCT DIAMETER

M102A

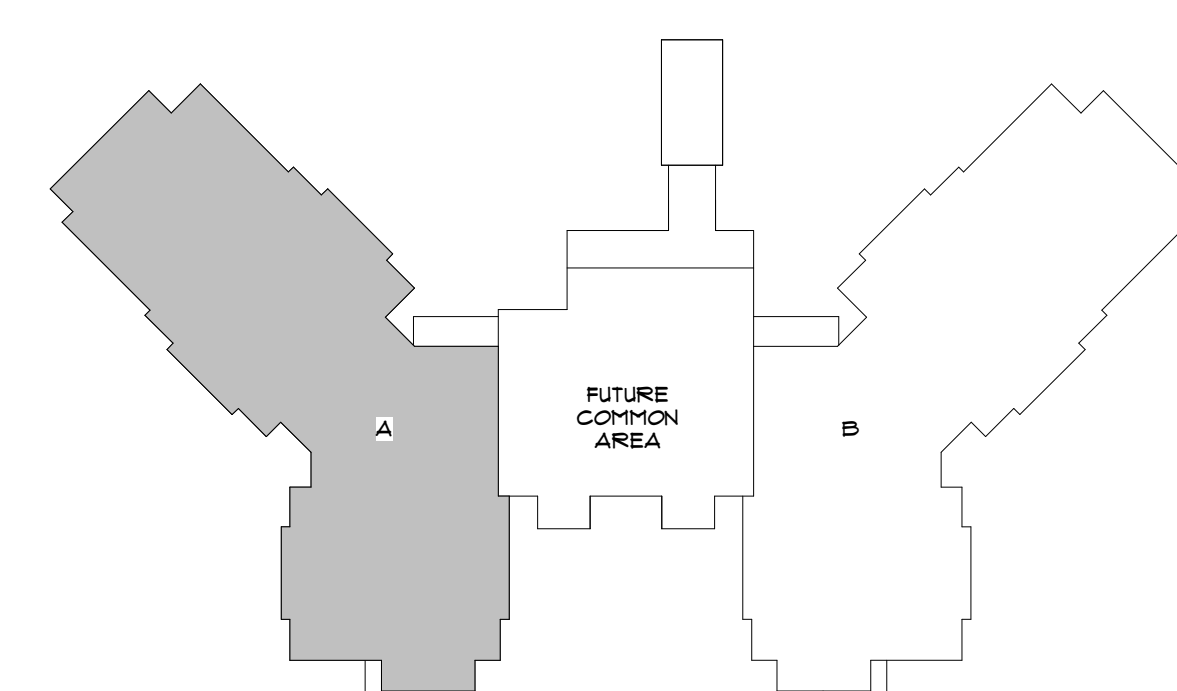
BUILDING '1'
PARTIAL SECOND FLOOR
MECHANICAL PLAN 'A'



M102B

BUILDING '1'
PARTIAL SECOND FLOOR
MECHANICAL PLAN 'B'

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NOTES:

1. PROVIDE ROUND DUCTS UNLESS OTHERWISE NOTED ON FLOOR PLANS
2. "DIAMETER" MEANS INSIDE DUCT DIAMETER

NORTH


M103A

BUILDING '1'
PARTIAL THIRD FLOOR
MECHANICAL PLAN 'A'

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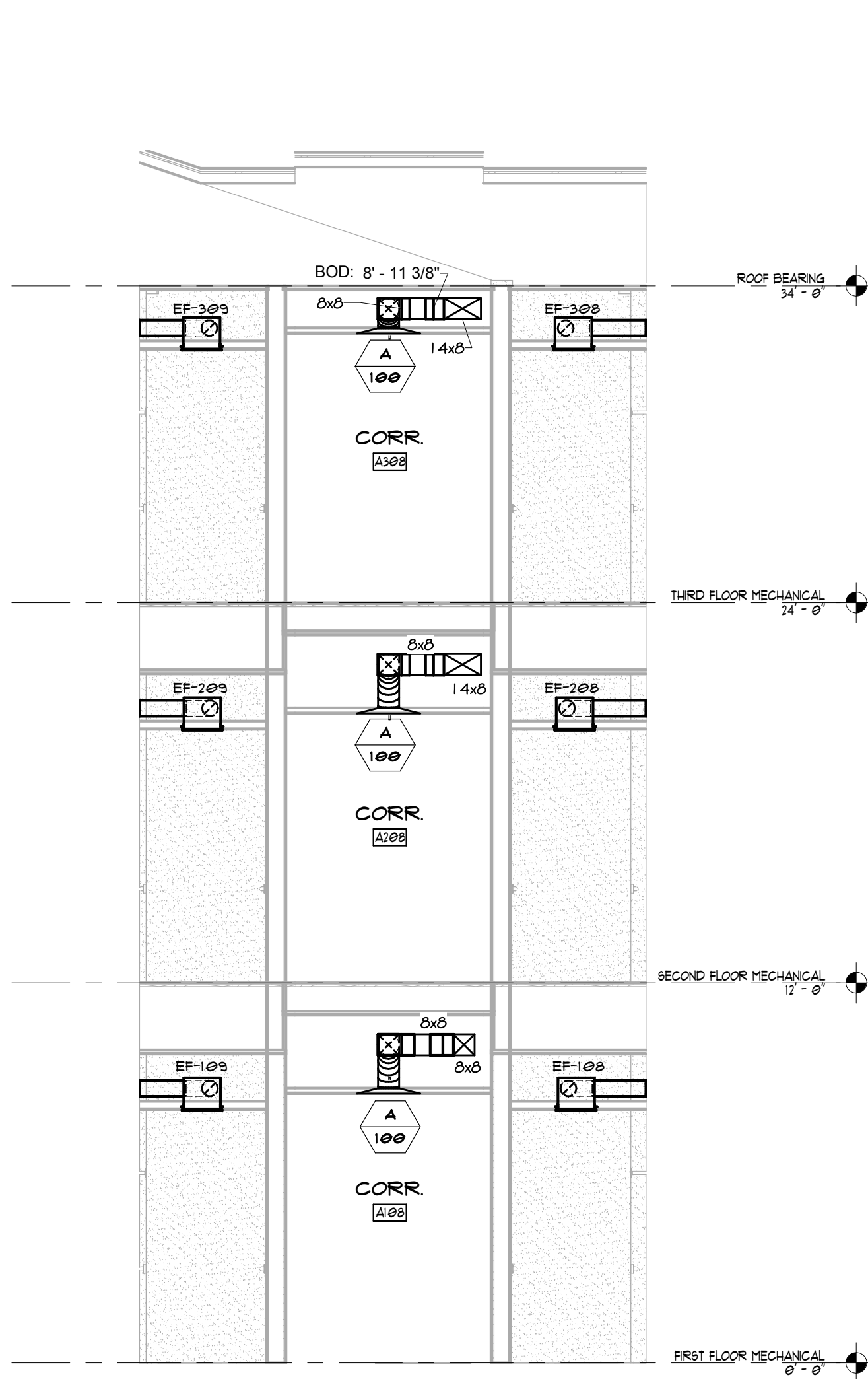


M103B

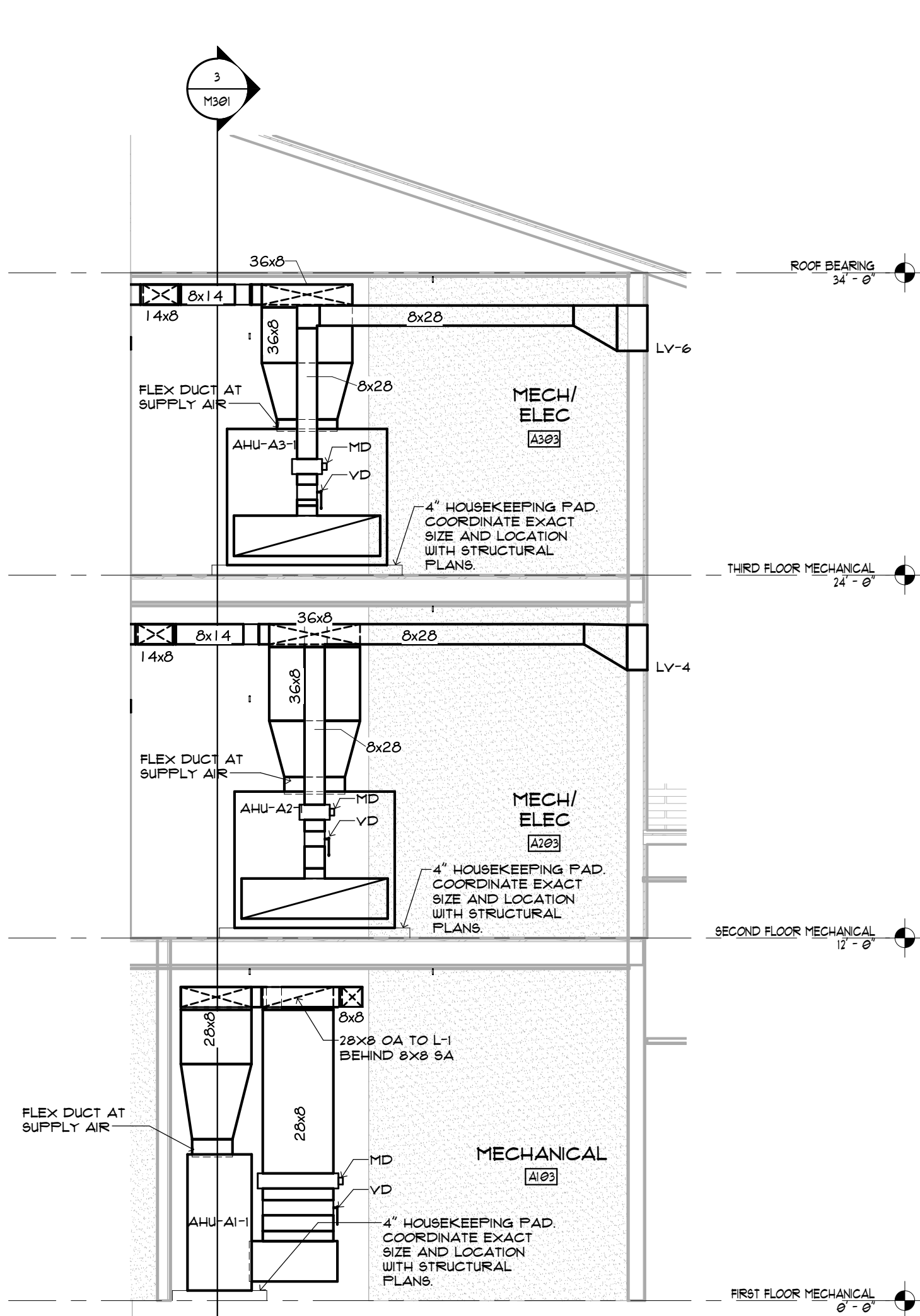
BUILDING '1'
PARTIAL THIRD FLOOR
MECHANICAL PLAN 'B'

GENERAL NOTES

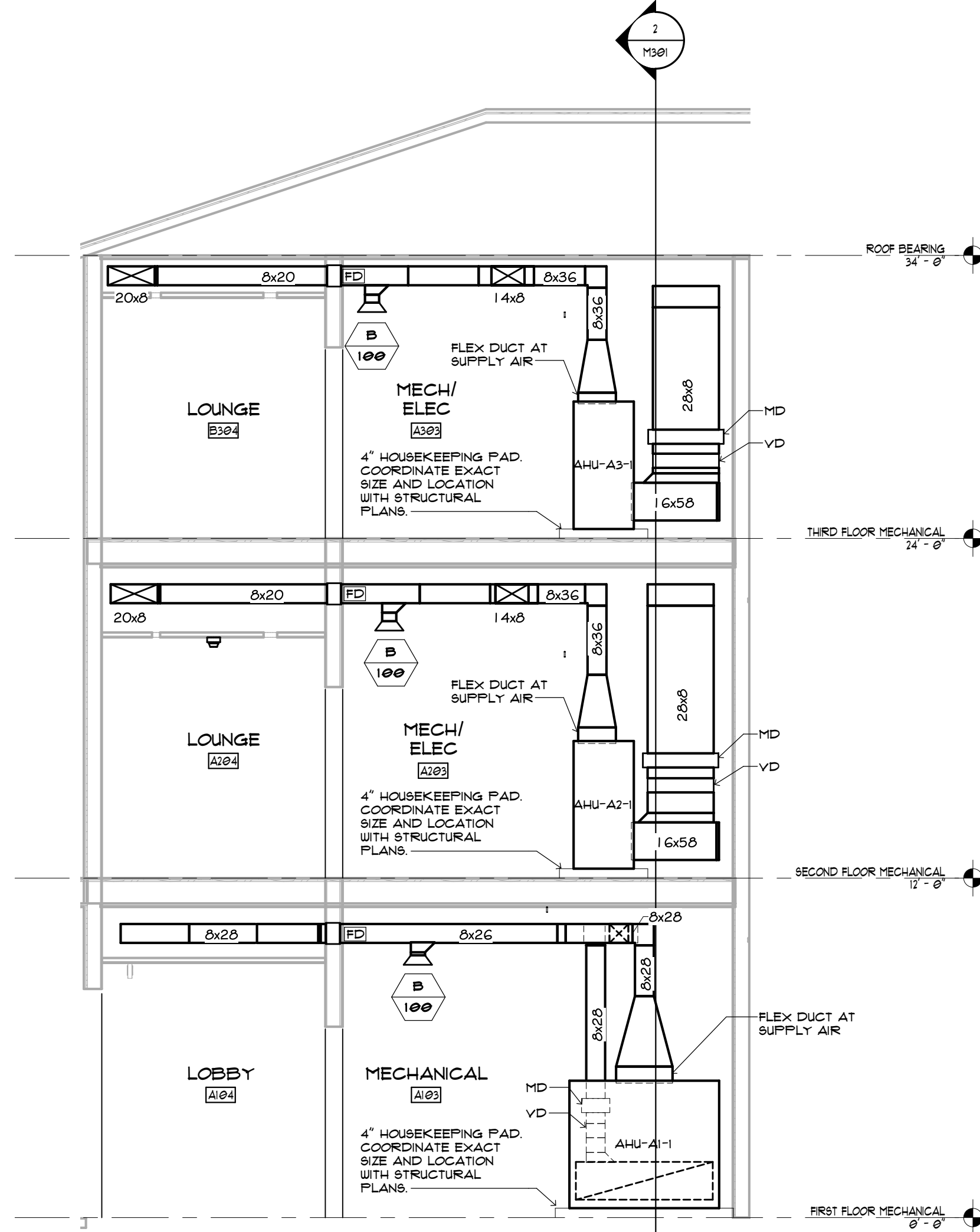
1. FOR ABBREVIATIONS, SYMBOLS, LEGEND AND GENERAL NOTES SEE SHEET M301
2. COORDINATE EQUIPMENT INSTALLATION AND LOCATION WITH MANUFACTURER REQUIREMENTS PRIOR TO CONSTRUCTION.
3. PROVIDE FIRE DAMPER IF DUCT IS GREATER THAN 100 SQUARE INCHES. IF DUCT IS BELOW 100 SQUARE INCHES THEN VERIFY WITH AUTHORITY HAVING JURISDICTION THAT FIRE DAMPER IS NOT REQUIRED IF GALVANIZED SHEET METAL DUCT IS USED 12 INCHES BEFORE AND 12 INCHES AFTER PENETRATION OF FIREWALL.
4. PROVIDE ACCESS PANEL TO ADJUST VOLUME DAMPER.
5. SUPPLY AND RETURN DUCT SHALL BE FULL SIZE OF UNIT DISCHARGE AT THE UNIT, THEN SHALL TRANSITION TO DUCT SIZE SHOWN ON FLOOR PLANS.
6. CONTRACTOR SHALL COORDINATE REFRIGERANT PIPING ROUTING WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
7. SMOKE DETECTORS FOR AIR HANDLING UNITS AND ROOFTOP UNITS SHALL PROVIDE AUTOMATIC FAN SHUTDOWN FOR EACH UNIT AND SHALL PROVIDE A SUPERVISORY SIGNAL TO THE BUILDING FIRE ALARM SYSTEM. UPON BUILDING GENERAL ALARM ALL AIR HANDLING UNITS AND ROOFTOP UNITS (EXCEPT WITH THE RESIDENTIAL UNIT) SHALL SHUT DOWN.
8. PROVIDE A MOTORIZED DAMPER AND VOLUME DAMPER AT ALL OUTSIDE AIR CONNECTIONS TO THE AIR HANDLING UNITS INSIDE OF MECHANICAL ROOMS.



BUILDING '1'
MECHANICAL CORRIDOR - PLAN 'A'
SCALE: 1/4" = 1'-0"



BUILDING '1'
MECHANICAL ROOM SECTION - PLAN 'A'
SCALE: 1/4" = 1'-0"



BUILDING '1'
MECHANICAL ROOM SECTION - PLAN 'A'
SCALE: 1/4" = 1'-0"

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STATE OF FLORIDA 36808
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MHA - PALMS AT UNIVERSITY APARTMENTS
PHASE 1 - BUILDING 1
585 E. UNIVERSITY BOULEVARD
MELBOURNE, FLORIDA 32901

ISSUED
DATE: 12-29-11
ISSUED FOR: BUILDING PERMIT

REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT NO: 15093.00
DRAWN BY: SLG
PROJECT MANAGER: AIW
CHECKED BY: DGH
DATE: 12-29-11
SCALE: AS INDICATED

M301
BUILDING '1'
MECHANICAL SECTIONS

1. FOR ABBREVIATIONS, SYMBOLS, LEGEND AND GENERAL NOTES SEE SHEET 0001 REQUIREMENTS
2. COORDINATE EQUIPMENT INSTALLATION AND LOCATION WITH MANUFACTURER REQUIREMENTS PRIOR TO CONSTRUCTION
3. PROVIDE FIRE DAMPER IF DUCT IS GREATER THAN 100 SQUARE INCHES IF DUCT IS GREATER THAN 100 SQUARE INCHES, THE AUTHORITY HAS JURISDICTION THAT FIRE DAMPER IS NOT REQUIRED IF GALVANIZED SHEET METAL DUCT IS 12 INCHES BEFORE AND 12 INCHES AFTER PENETRATION OF FIREWALL
4. PROVIDE ACCESS PANEL TO ADJUST VOLUME DAMPER
5. PROVIDE GALVANIZED SHEET METAL DUCTWORK FOR FIRST 10 FT. OF DUCT SECTION TO AND FROM RTU
6. SUPPLY AND RETURN DUCT SHALL BE FULL SIZE OF UNF DISCHARGE AT THE UNIT, THEN SHALL TRANSITION TO DUCT SIZE SHOWN ON FLOOR PLANS
7. CONTRACTOR SHALL COORDINATE REFRIGERANT PIPING ROUTING WITH ALL OTHER TRADES PRIOR TO INSTALLATION
8. SMOKE DETECTORS FOR AIR HANDLING UNITS AND ROOFTOP UNITS SHALL PROVIDE AUTOMATIC FAN SHUTDOWN FOR EACH UNIT AND SHALL PROVIDE A SUPERVISORY SIGNAL TO THE BUILDING FIRE ALARM SYSTEM. UPON BUILDING GENERAL ALARM ALL AIR HANDLING UNITS AND ROOFTOP UNITS (EXCEPT WITH THE RESIDENTIAL UNIT) SHALL SHUT DOWN.
9. PROVIDE A MOTORIZED DAMPER AND VOLUME DAMPER AT ALL OUTSIDE AIR CONNECTIONS TO THE AIR HANDLING UNITS INSIDE OF MECHANICAL ROOMS.



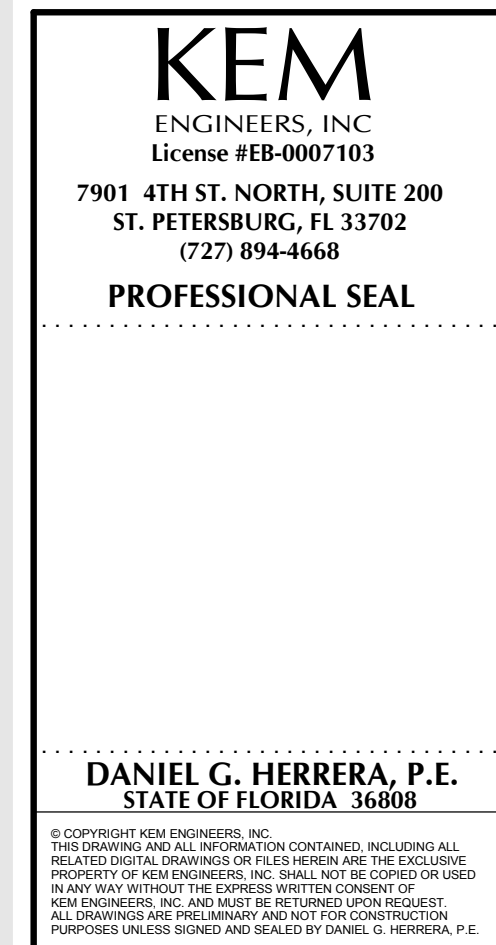
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DATE:	ISSUED FOR:
12-29-17	BUILDING PERMIT

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PROJECT NO:	15003.00
DRAWN BY:	SLG
PROJECT MANAGER:	AW
CHECKED BY:	DGH
DATE:	12-29-17
SCALE:	1/4" = 1'-0"



1. FOR ABBREVIATIONS, SYMBOLS, LEGEND AND GENERAL NOTES SEE SHEET MO001
2. COORDINATE EQUIPMENT INSTALLATION AND LOCATION WITH MANUFACTURER REQUIREMENTS PRIOR TO CONSTRUCTION.
3. PROVIDE FIRE DAMPER IF DUCT IS GREATER THAN 100 SQUARE INCHES IF DUCT IS BEYOND SQUARE JUNCTION WITH AUTHORITY HAVING JURISDICTION THAT FIRE DAMPER IS NOT REQUIRED IF GALVANIZED SHEET METAL DUCT IS USED 12 INCHES BEFORE AND 12 INCHES AFTER PENETRATION OF FIREWALL.
4. PROVIDE ACCESS PANEL TO ADJUST VOLUME DAMPER.
5. PROVIDE GALVANIZED SHEET METAL DUCTWORK FOR FIRST 10 FT. OF DUCT SECTION TO AND FROM RTU.
6. SUPPLY AND RETURN DUCT SHALL BE FULL SIZE OF UNIT DISCHARGE AT THE UNIT, THEN SHALL TRANSITION TO DUCT SIZE SHOWN ON FLOOR PLANS.
7. CONTRACTOR SHALL COORDINATE REFRIGERANT PIPING ROUTING WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
8. SMOKE DETECTORS FOR AIR HANDLING UNITS AND ROOFTOP UNITS SHALL PROVIDE AUTOMATIC FAH SHUTDOWN FOR EACH UNIT AND SHALL PROVIDE A SUPERVISORY SIGNAL TO THE BUILDING FIRE ALARM SYSTEM. UPON BUILDING FIRE ALARM, ALL AIR HANDLING UNITS AND ROOFTOP UNITS (EXCEPT WITH THE RESIDENTIAL UNIT) SHALL SHUT DOWN.
9. PROVIDE A MOTORIZED DAMPER AND VOLUME DAMPER AT ALL OUTSIDE AIR CONNECTIONS TO THE AIR HANDLING UNITS INSIDE OF MECHANICAL ROOMS.



MHA - PALMS AT UNIVERSITY
APARTMENTS
PHASE II - BUILDING 1

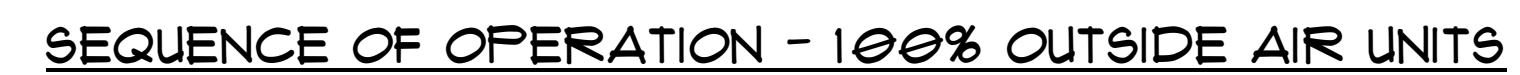
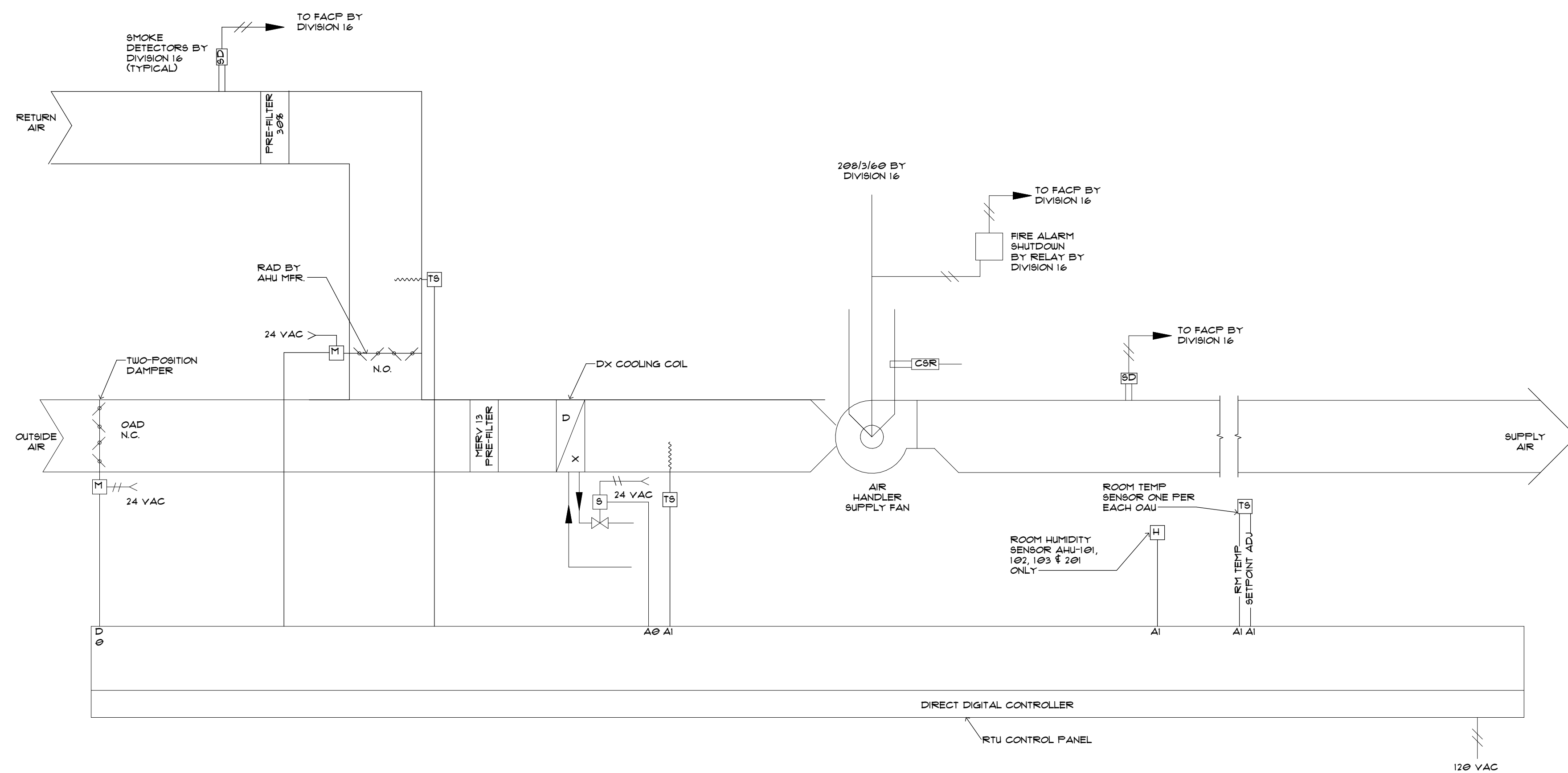
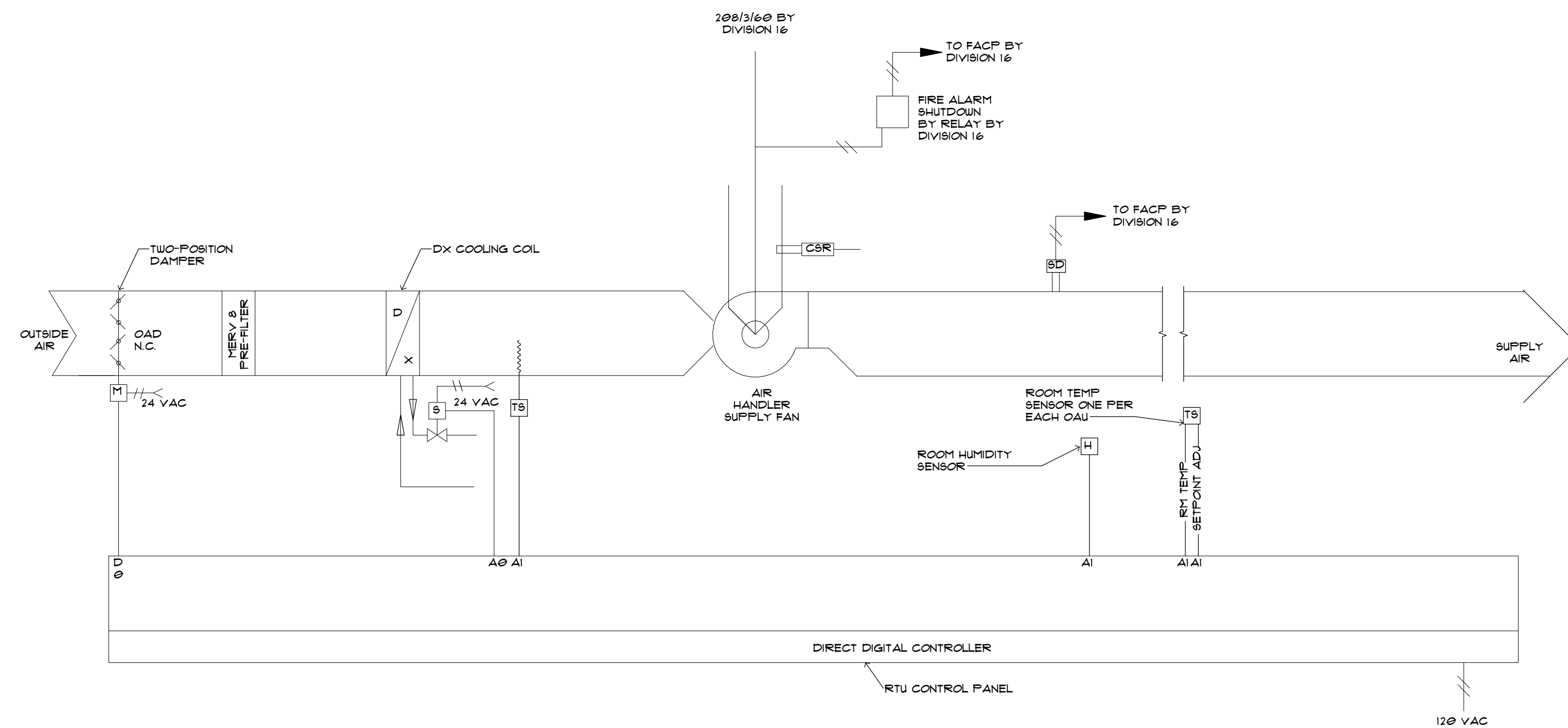
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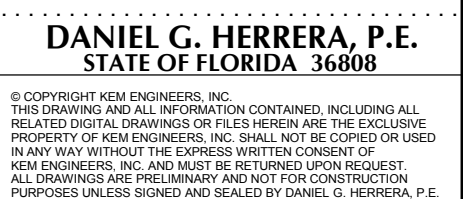
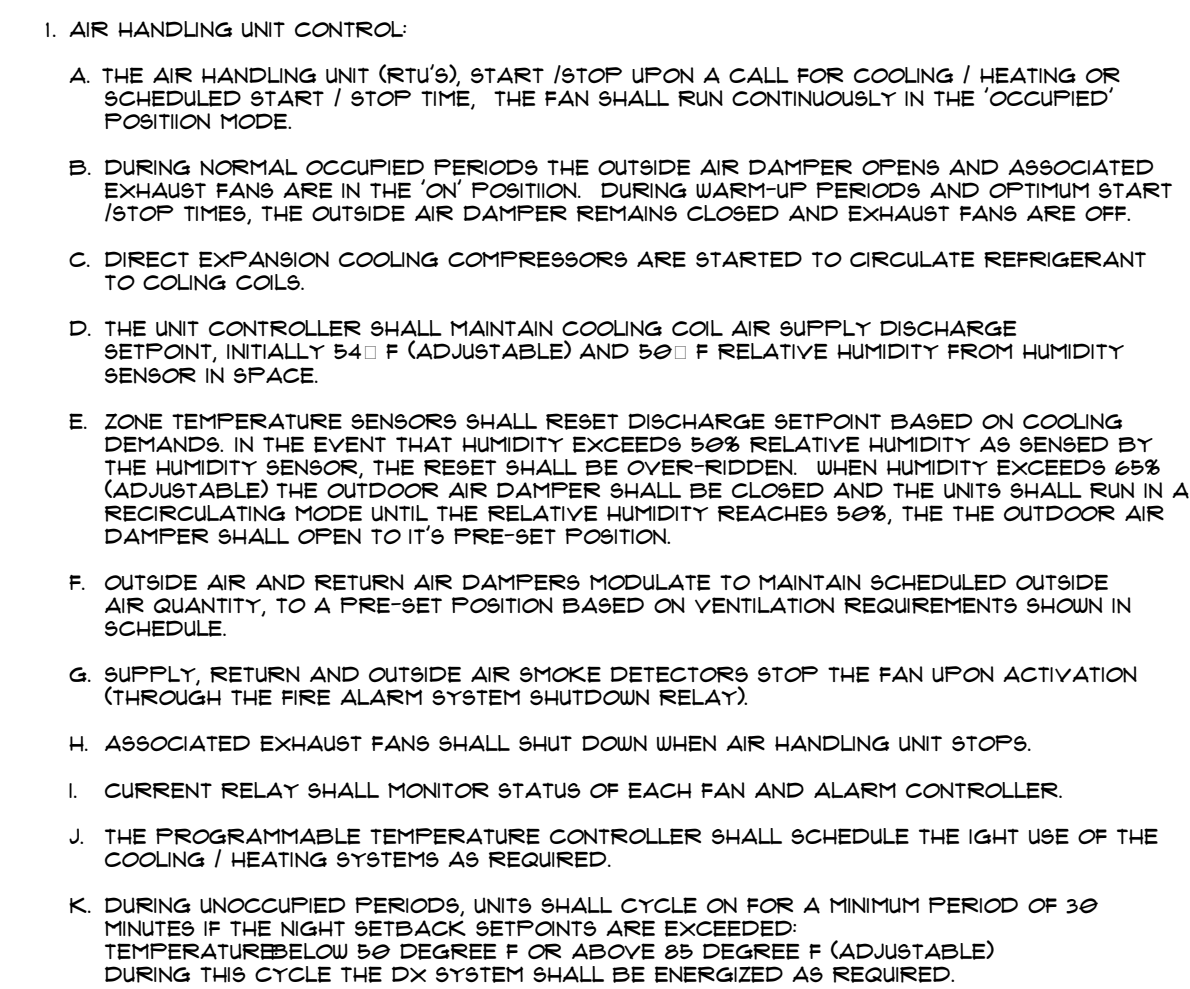
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DRAWN BY:	SLG
PROJECT MANAGER:	AW
CHECKED BY:	DGH
DATE:	12-29-11
SCALE:	AS INDICATED

M303

BUILDING '1'
MECHANICAL SECTIONS



- A. THE UNIT SHALL START / STOP ON A PRE-SCHEDULED ON TIME AND SHALL RUN CONTINUOUSLY IN THE "OCCUPIED" POSITION MODE.
- B. THE OUTDOOR AIR DAMPER SHALL BE OPEN TO THE 100% FLOW INDICATED IN THE VENTILATION SCHEDULE. THIS WILL BE THE 100% POSITION.
- C. THE DIRECT EXPANSION COOLING COMPRESSOR(S) ARE STARTED TO RUN AND CIRCULATE REFRIGERANT TO COOLING COILS.
- D. THE UNIT CONTROLLER SHALL MAINTAIN COOLING COIL DISCHARGE AIR TEMPERATURE INITIALLY SET TO 54.1° (ADJUSTABLE).
- E. SUPPLY AIR SMOKE DETECTORS SHALL STOP THE FAN UPON ACTIVATION THROUGH THE FIRE ALARM SYSTEM SHUTDOWN RELAY.
- F. ASSOCIATED (INTERLOCKED) EXHAUST FANS SHALL SHUT DOWN IN SEQUENCE WHEN THE AIR HANDLING UNIT OR ROOFTOP UNIT STOPS.
- G. WHEN HUMIDITY IN THE BUILDING EXCEEDS 60% - 65% (ADJUSTABLE), THE OUTDOOR AIR DAMPER SHALL CLOSE AND THE AIR HANDLING UNIT (ROOFTOP) SHALL RUN IN RE-CIRCULATING MODE UNTIL THE RELATIVE HUMIDITY REACHES 50%, THEN THE OUTDOOR AIR DAMPER SHALL RE-OPEN TO 100%.



**MHA - PALMS AT UNIVERSITY
APARTMENTS
PHASE 11 - BUILDING 1**

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12-29-11	BUILDING PERMIT

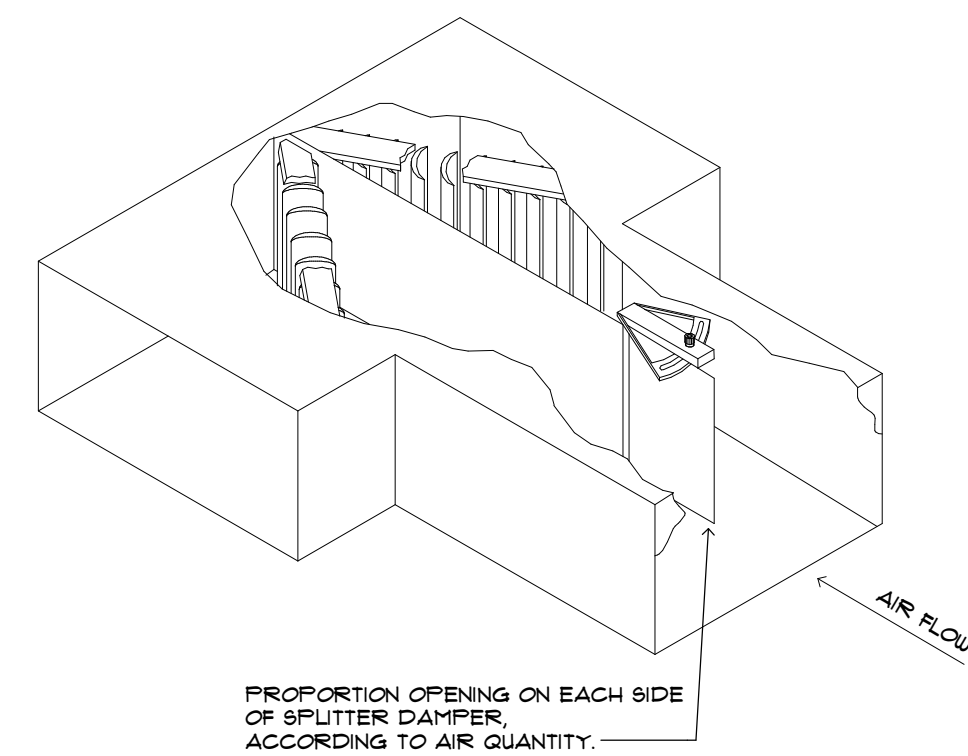
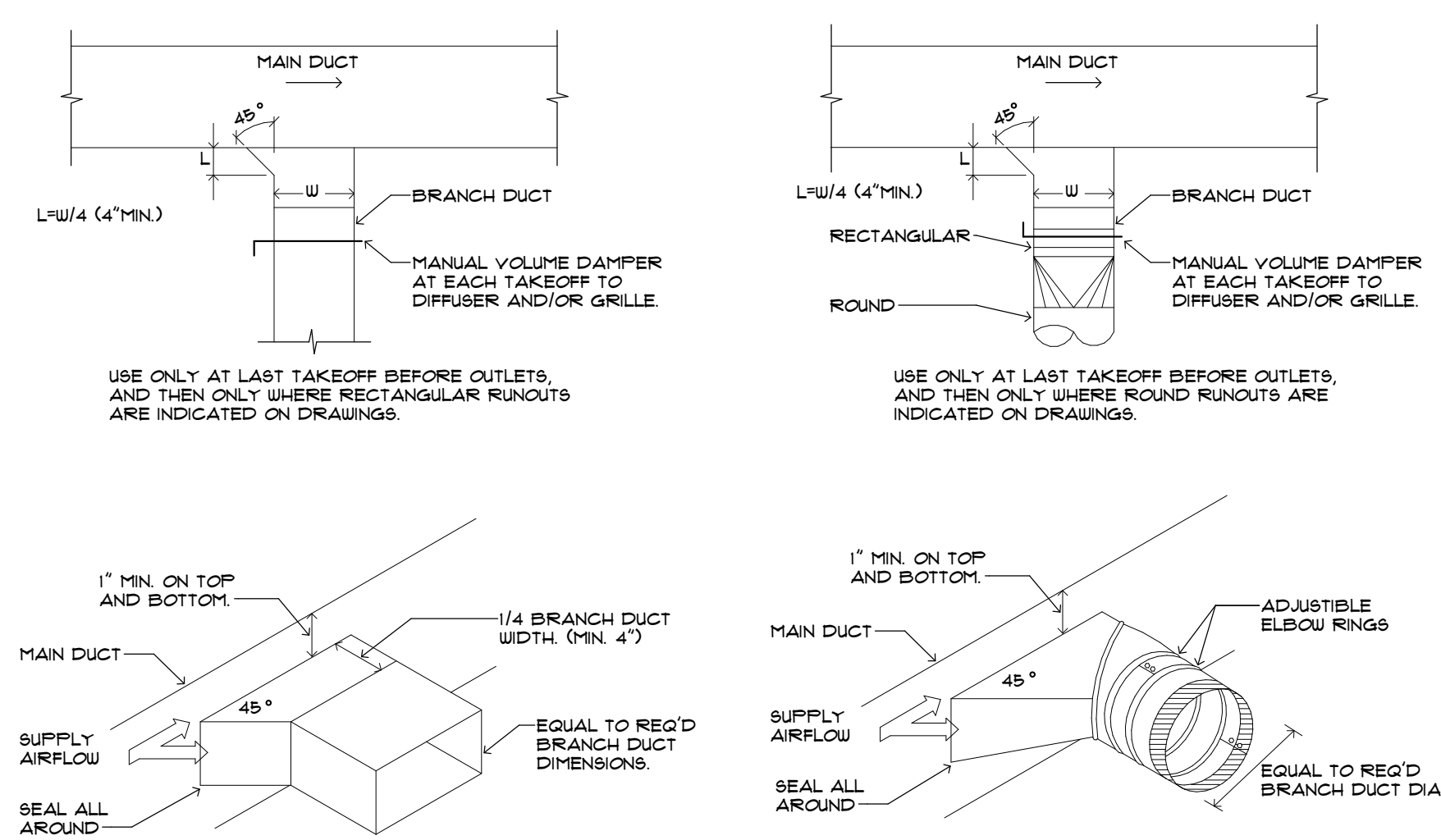
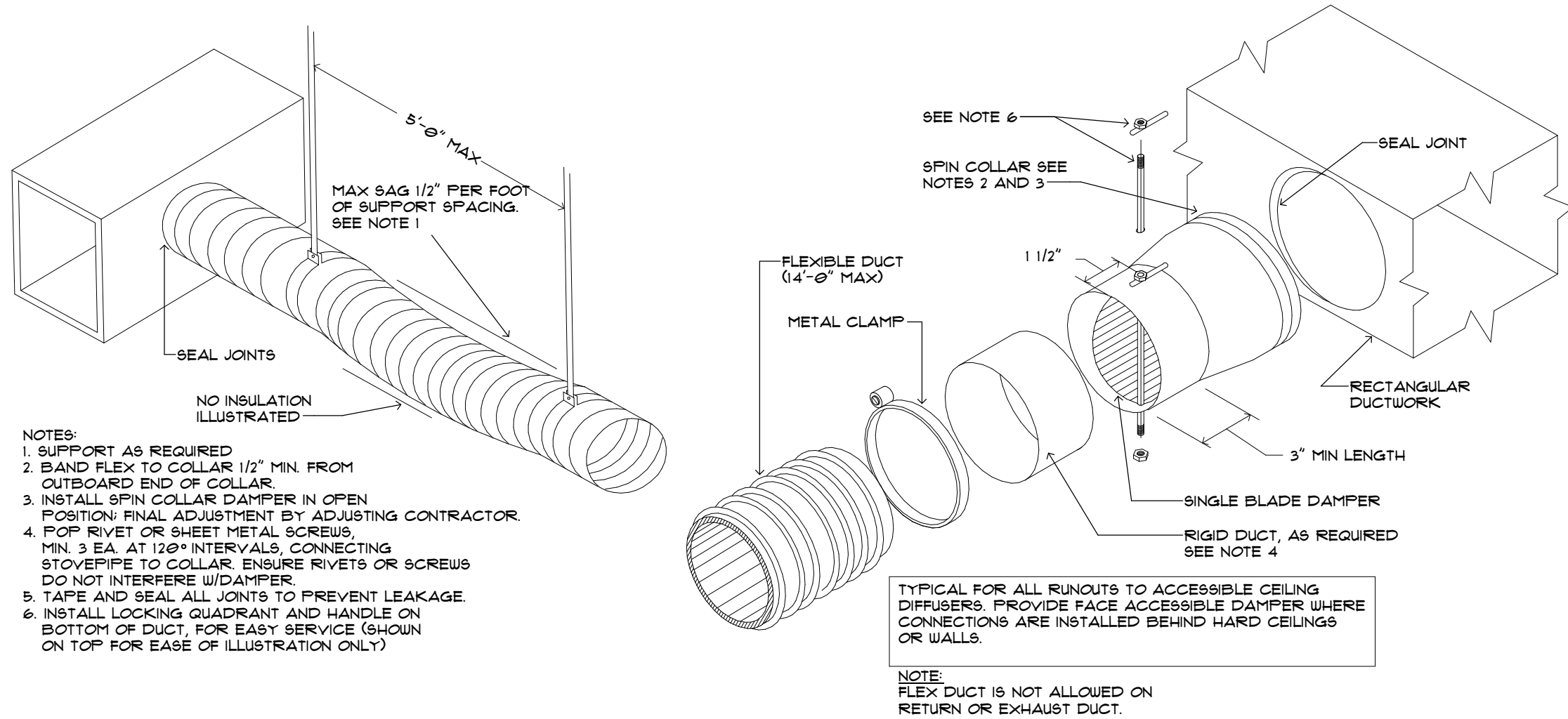
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PROJECT NO:	15083.00
DRAWN BY:	SLG
PROJECT MANAGER:	AW
CHECKED BY:	DGH
DATE:	12-29-11
SCALE:	1/2" = 1'-0"

M501

BUILDING '1'

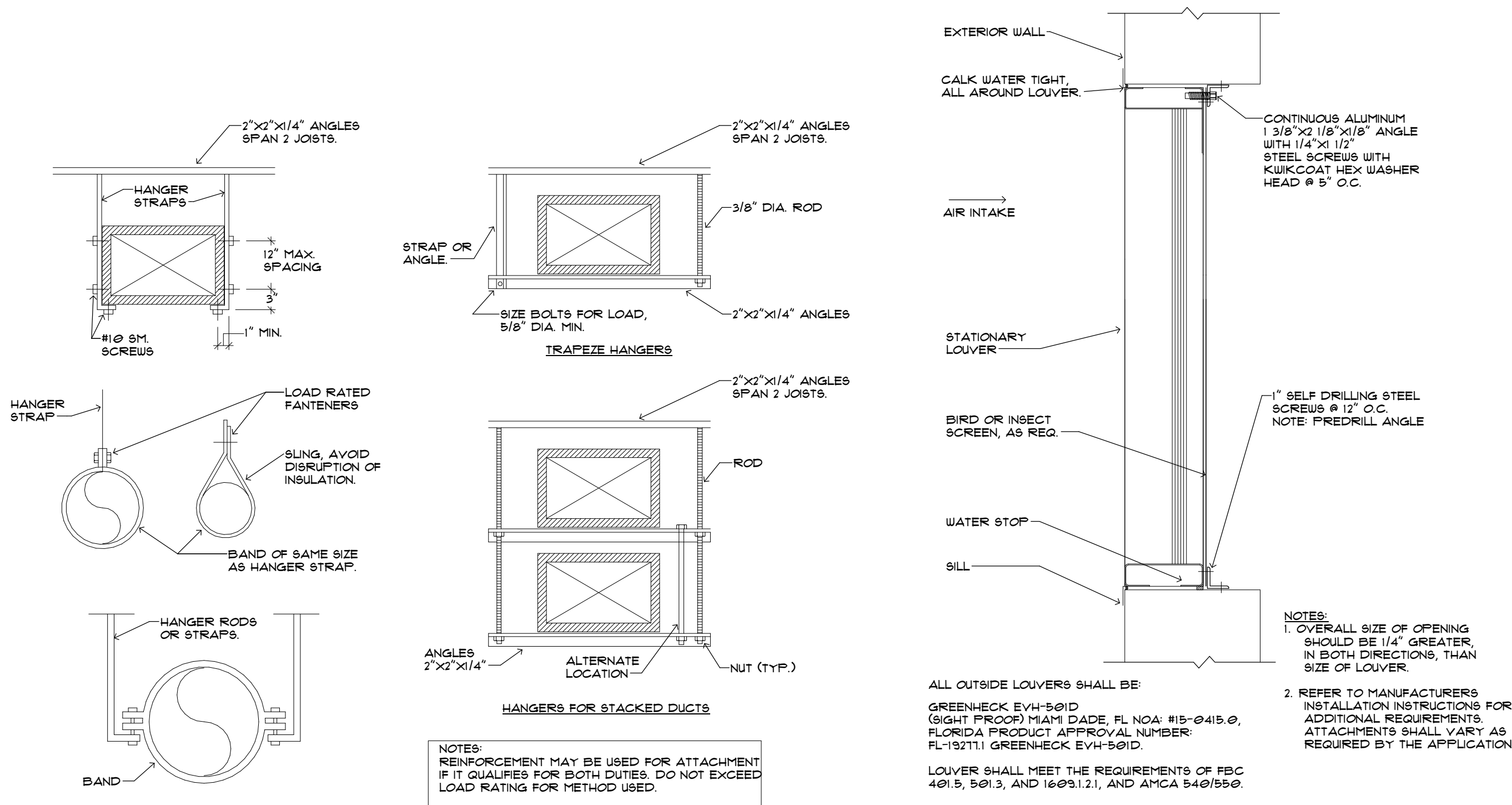
MECHANICAL CONTROLS



1 FLEXIBLE DUCT AND TAP
SCALE: NOT TO SCALE

2 DUCT BRANCH TAKE-OFF FITTINGS
SCALE: NOT TO SCALE

3 DUCT SPLITTER DAMPER
SCALE: NOT TO SCALE

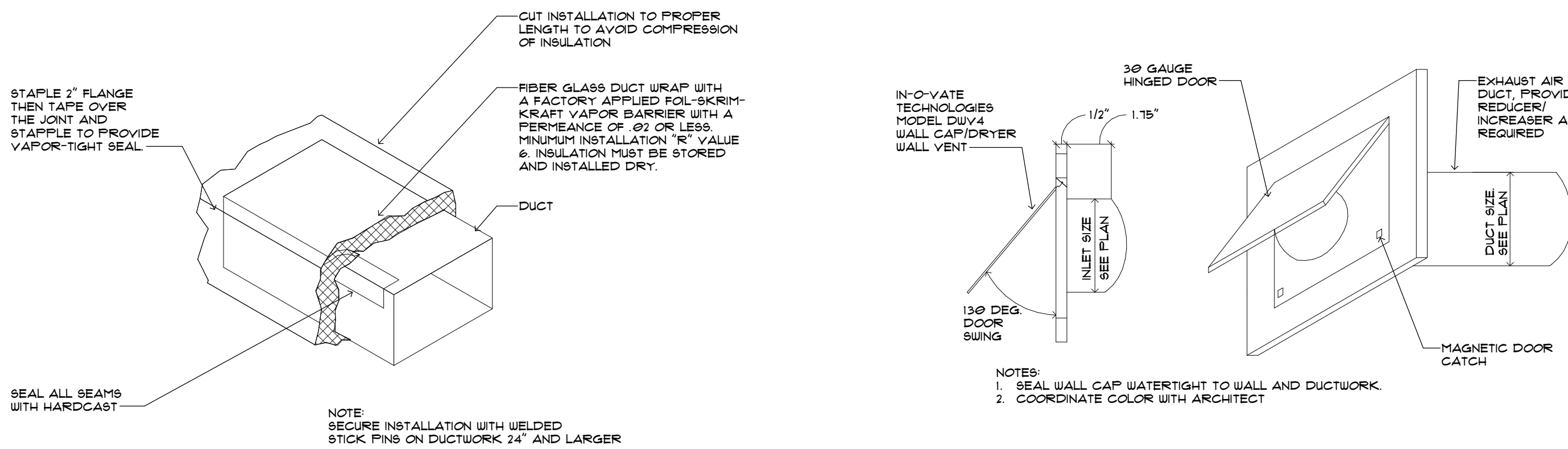


4 DUCT HANGER ATTACHMENT
SCALE: NOT TO SCALE

5 AIR INTAKE LOUVER
SCALE: NOT TO SCALE

6 EXHAUST FAN - CEILING MOUNTED
SCALE: NOT TO SCALE

7 TRANSFER DUCT Z-BOOT
SCALE: NOT TO SCALE

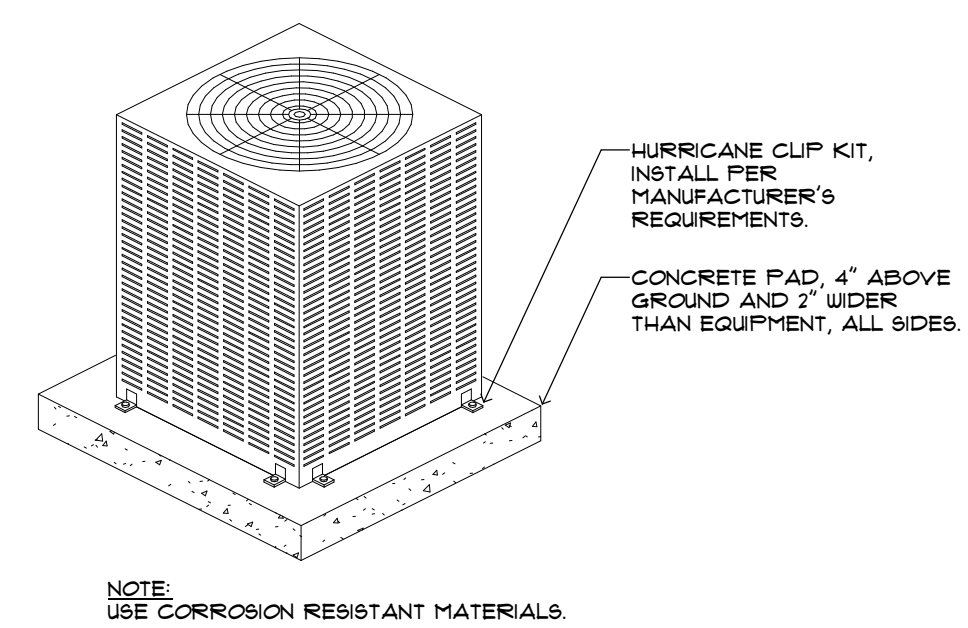
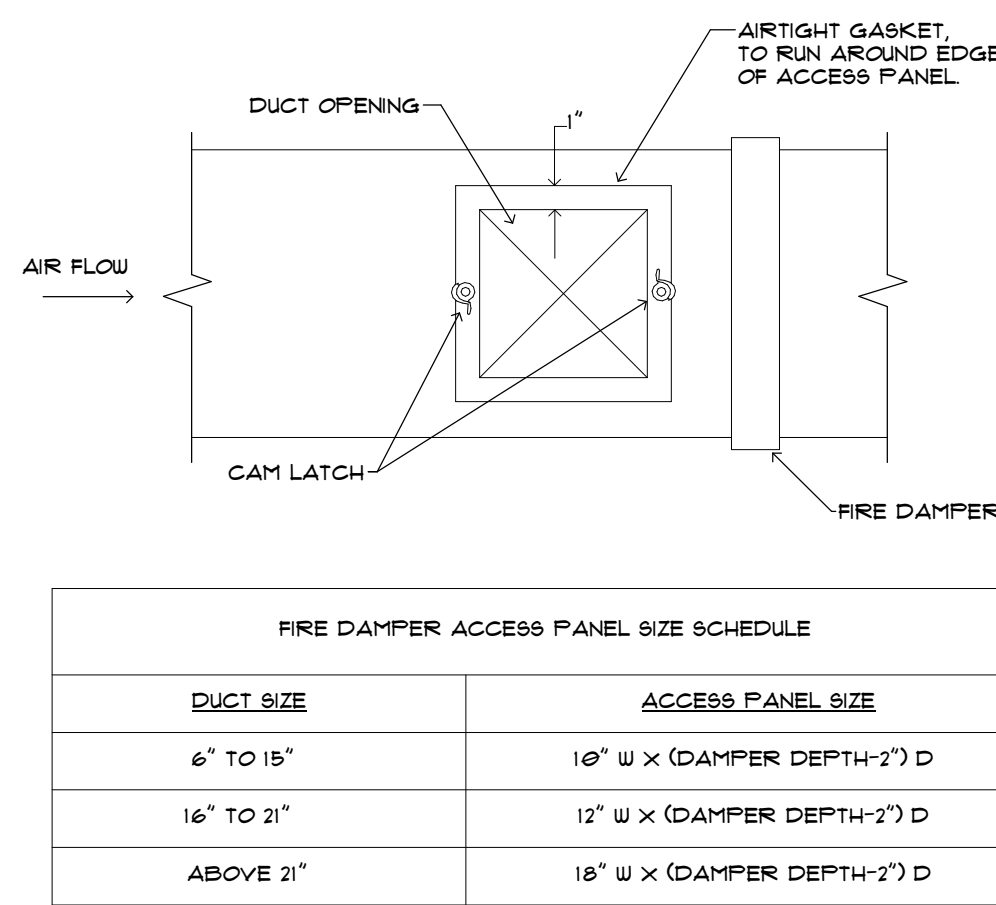
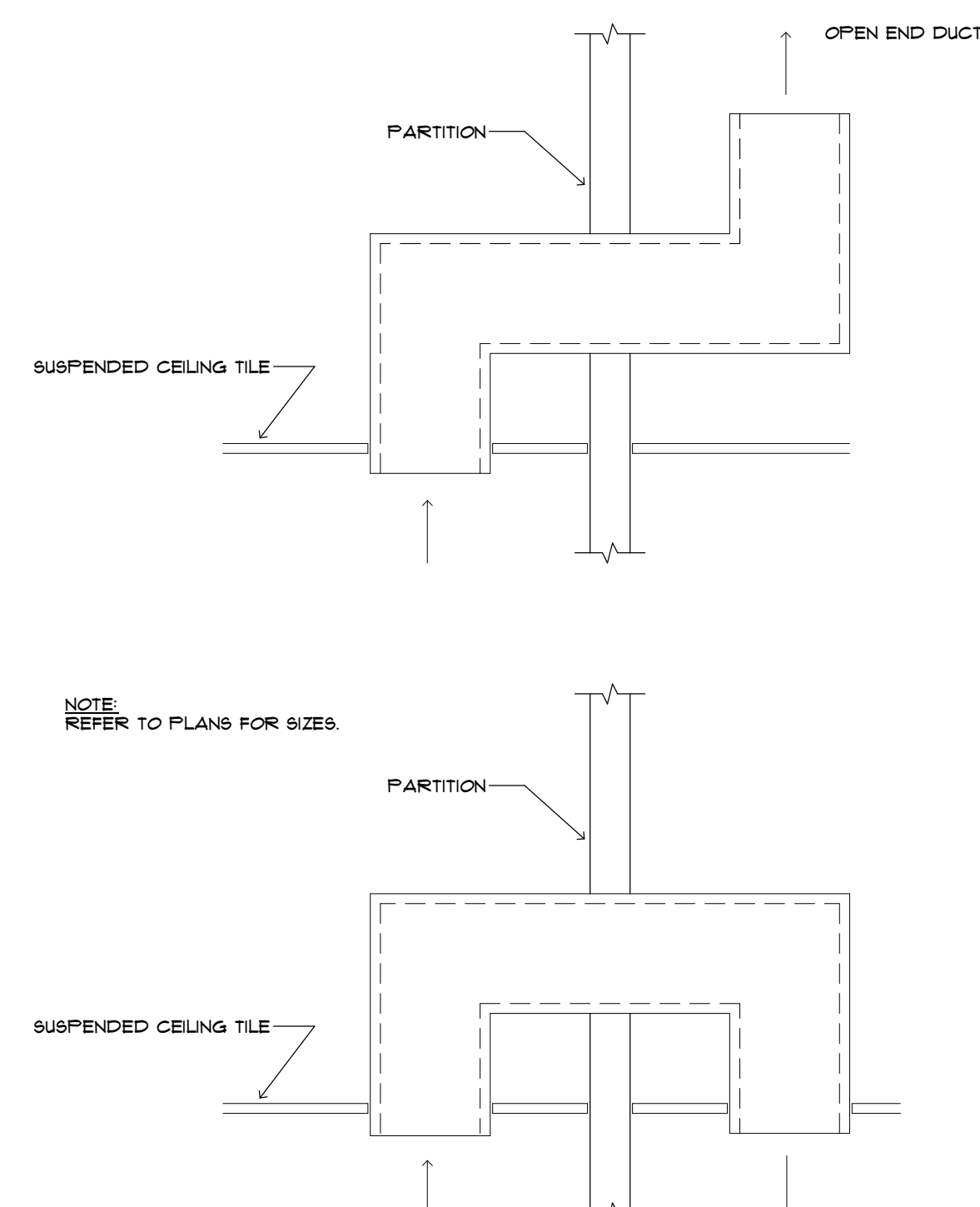
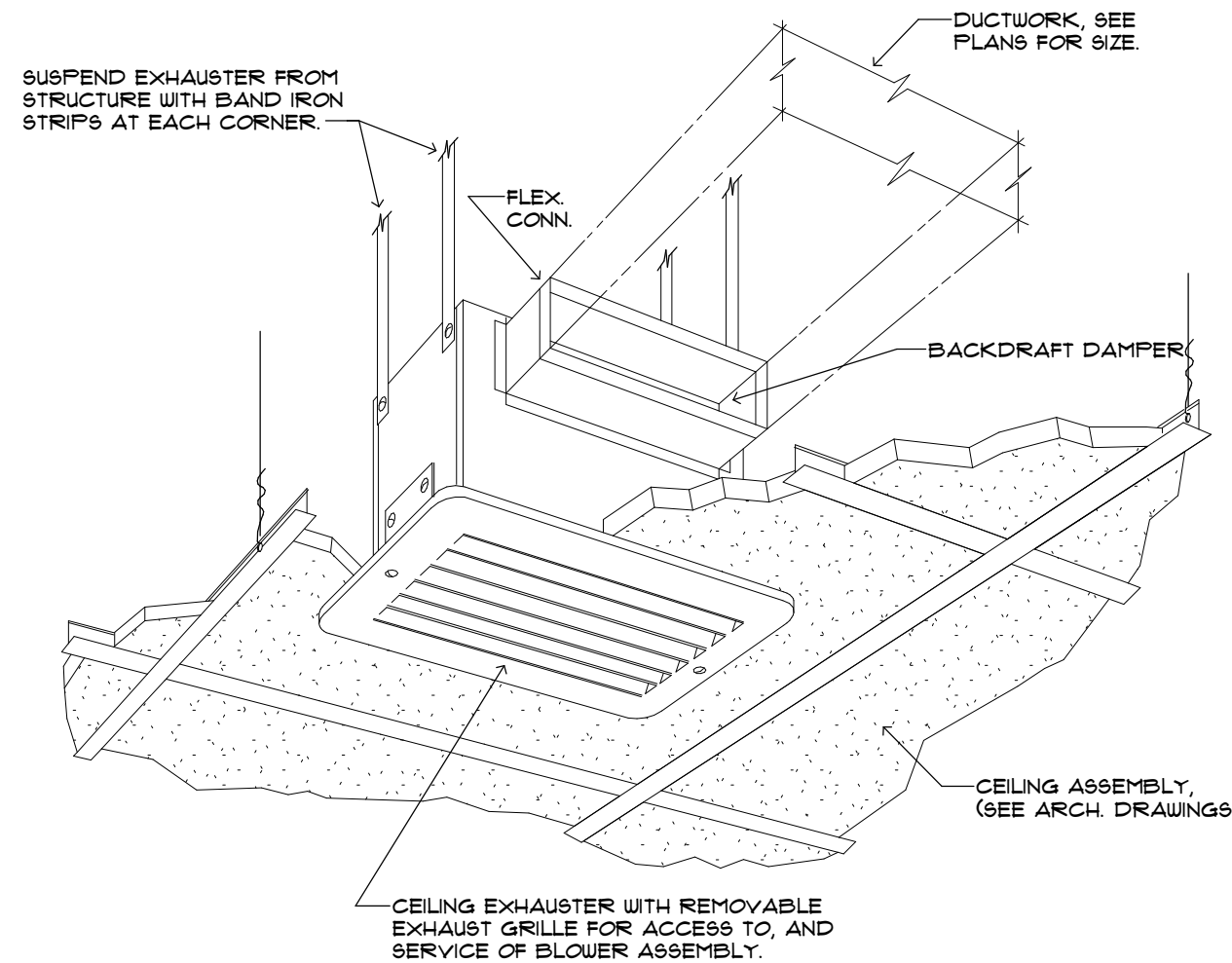


8 TYPICAL DUCT WRAP DETAIL
SCALE: NOT TO SCALE

9 WALL CAP & DRYER VENT CAP
SCALE: NOT TO SCALE

10 ACCESS PANEL
SCALE: NOT TO SCALE

11 CONDENSING UNIT TIE DOWN DETAIL
SCALE: NOT TO SCALE



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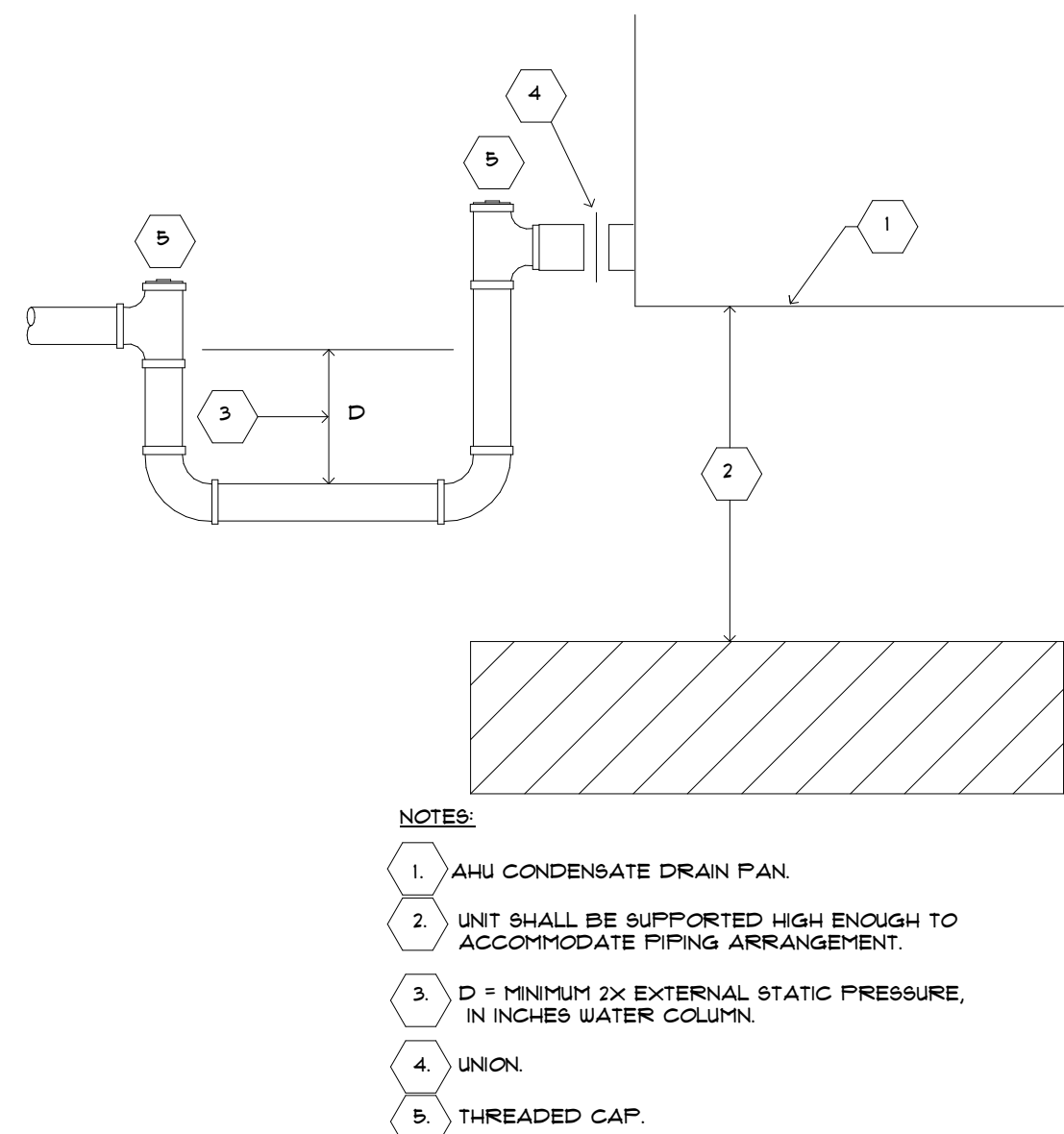
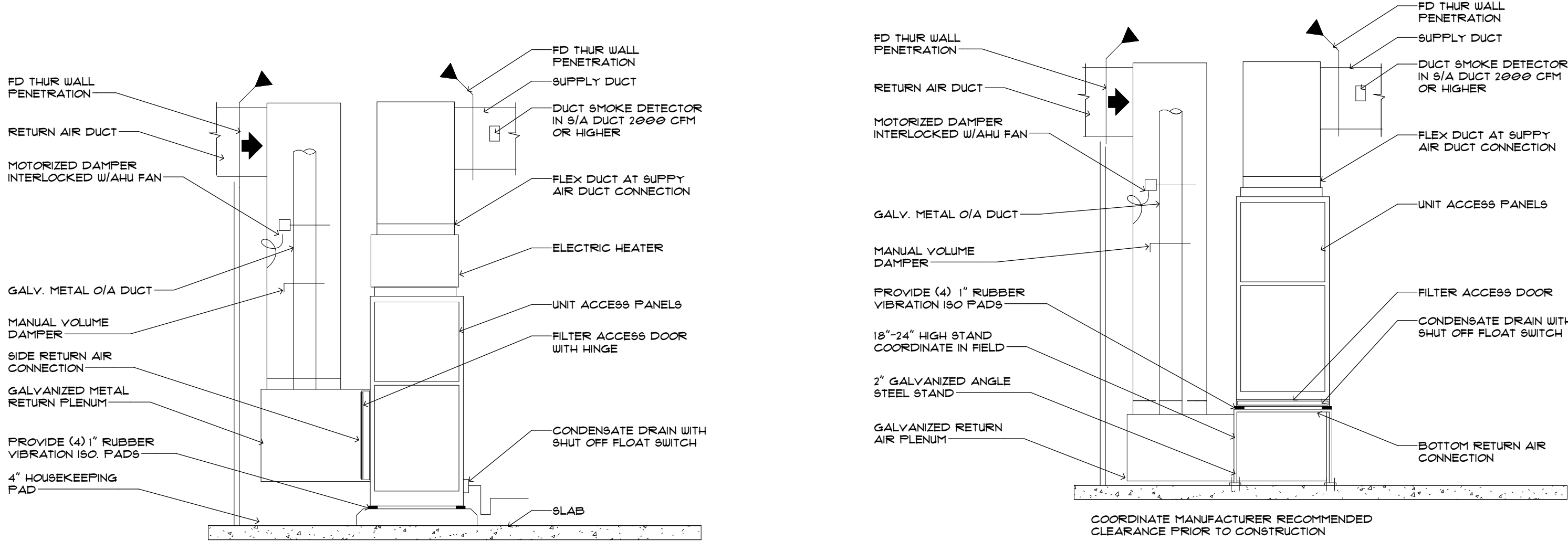
MHA - PALMS AT UNIVERSITY
APARTMENTS
PHASE 11 - BUILDING 1
585 E. UNIVERSITY BOULEVARD
MELBOURNE, FLORIDA 32901

ISSUED	
DATE:	ISSUED FOR:
12-29-11	BUILDING PERMIT

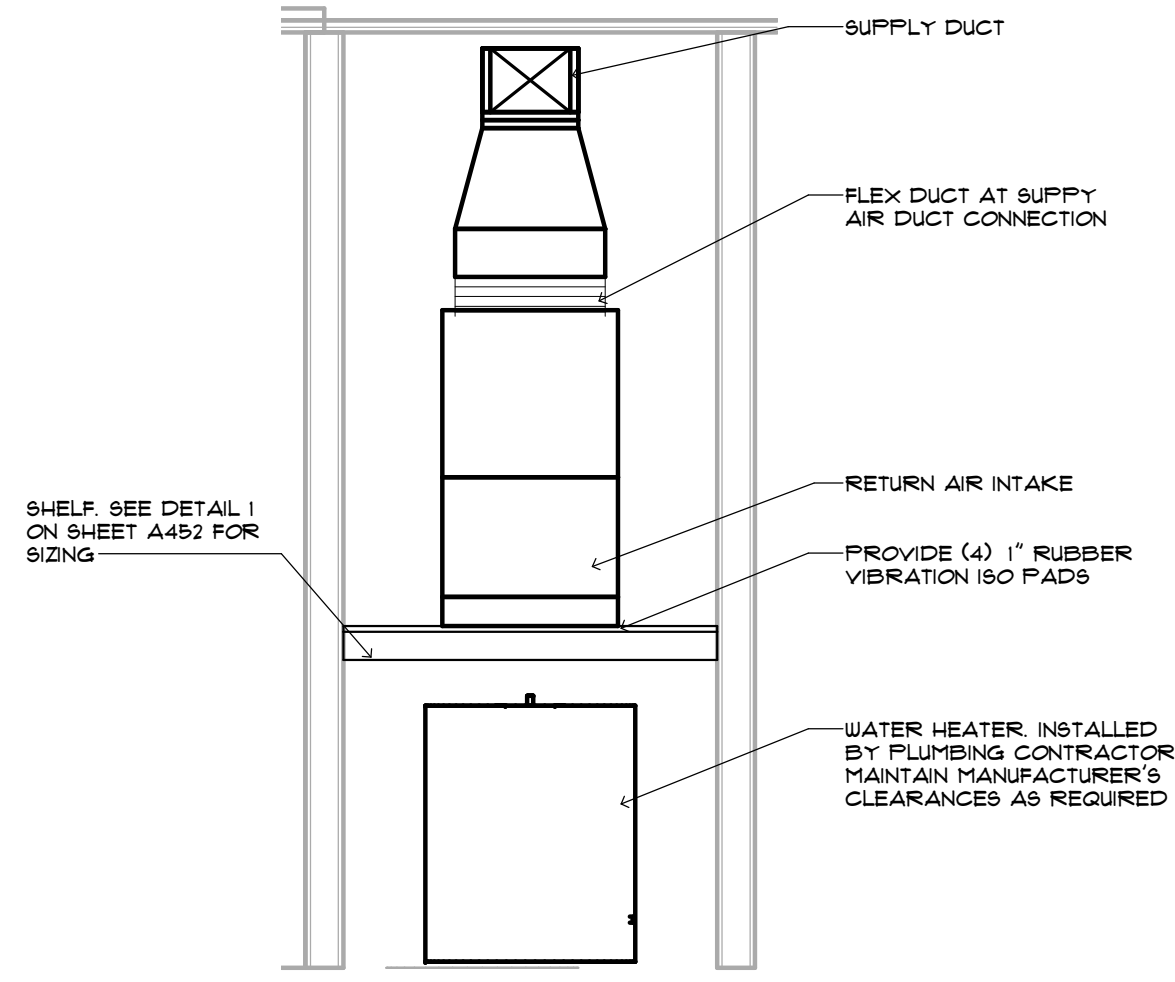
REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT NO.	15093.00
DRAWN BY:	SLG
PROJECT MANAGER:	AJW
CHECKED BY:	DGH
DATE:	12-29-11
SCALE:	NOT TO SCALE

M601
BUILDING 1
MECHANICAL DETAILS



- NOTES:
1. AHU CONDENSATE DRAIN PAN.
 2. UNIT SHALL BE SUPPORTED HIGH ENOUGH TO ACCOMMODATE PIPING ARRANGEMENT.
 3. D = MINIMUM 2X EXTERNAL STATIC PRESSURE, IN INCHES WATER COLUMN.
 4. UNION.
 5. THREADED CAP.

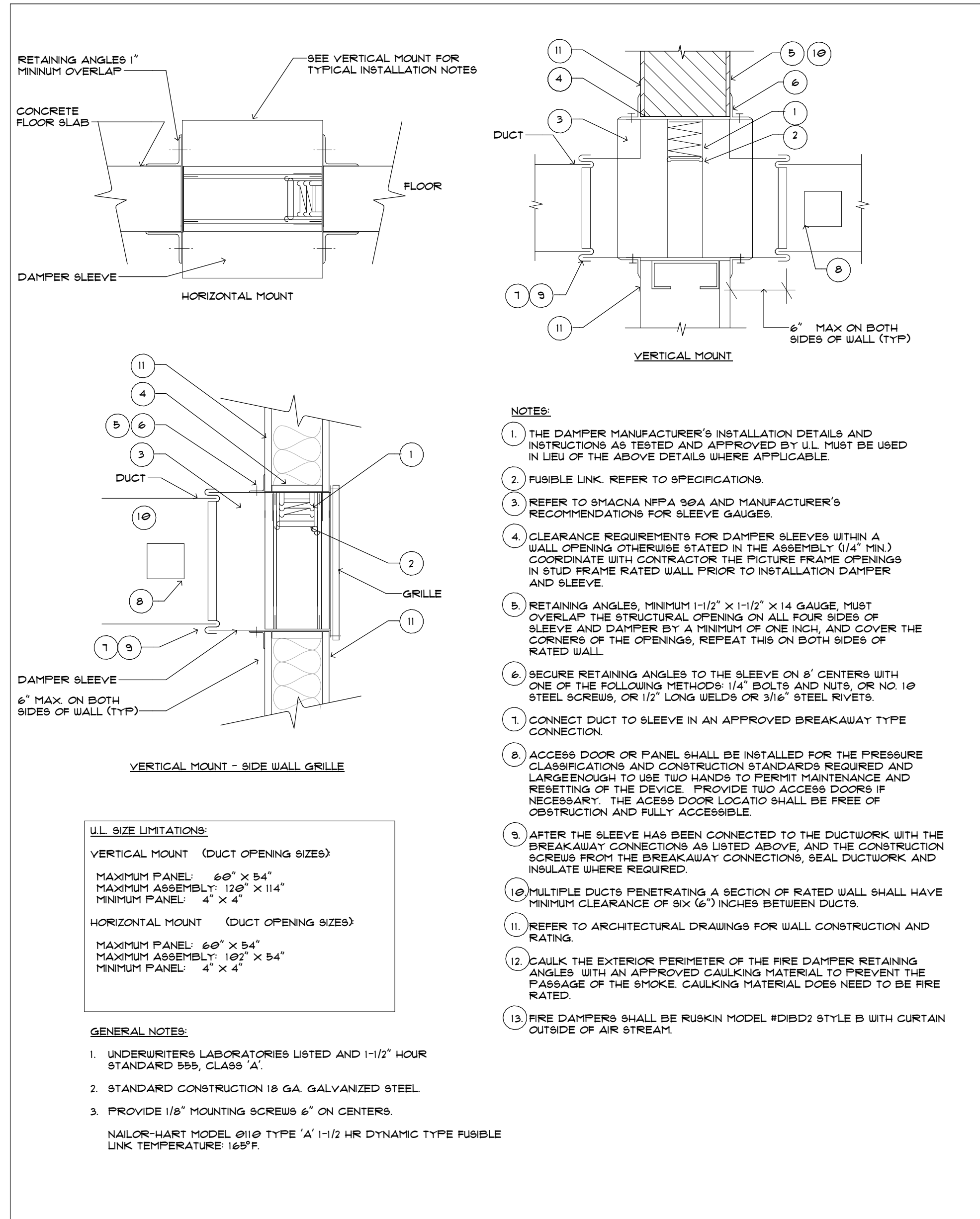


1 AHU W/STAND (SIDE RETURN)
SCALE: NOT TO SCALE

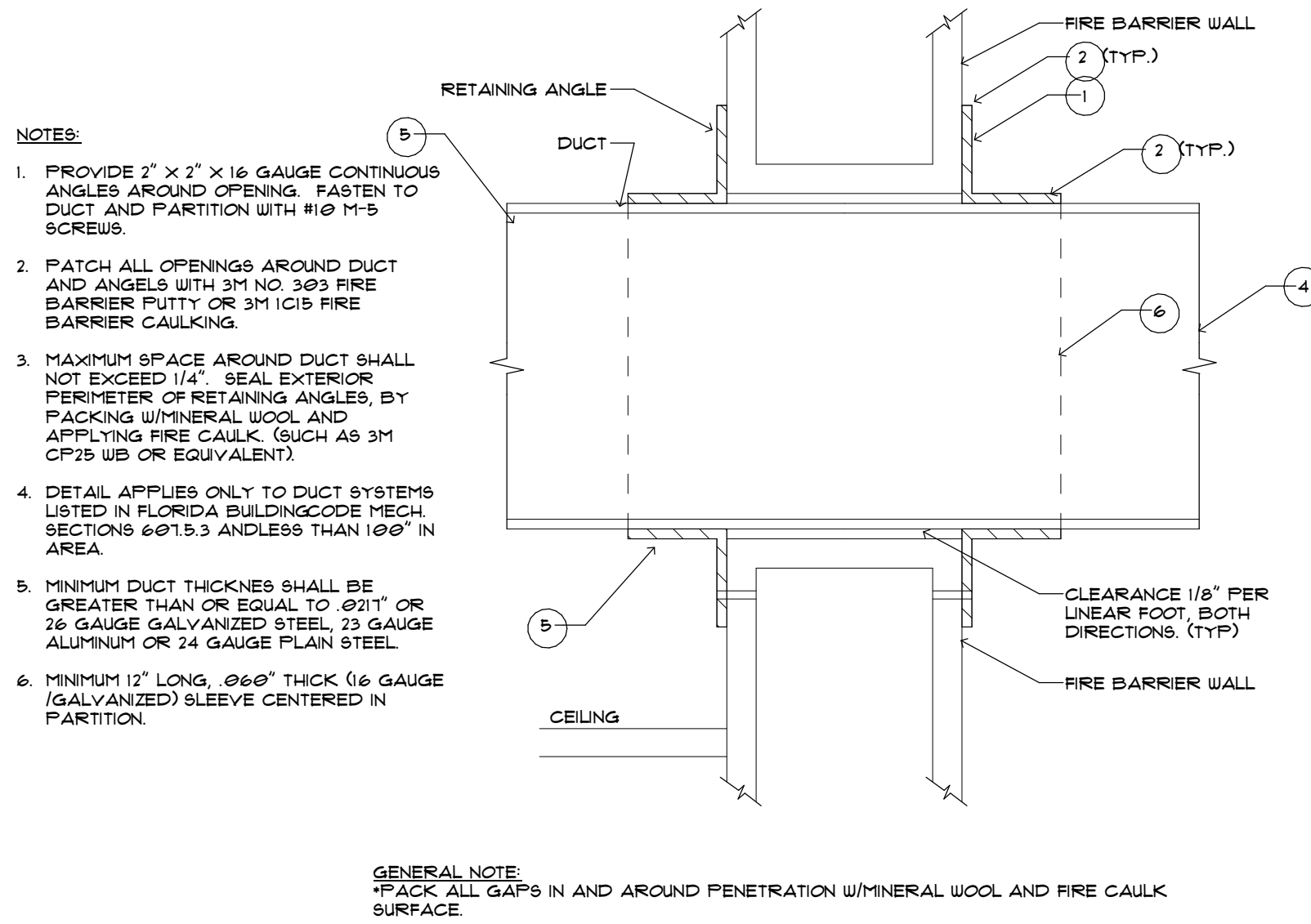
2 AHU W/STAND (BOTTOM RETURN)
SCALE: NOT TO SCALE

3 A/C UNIT CONDENSATE TRAP
SCALE: NOT TO SCALE

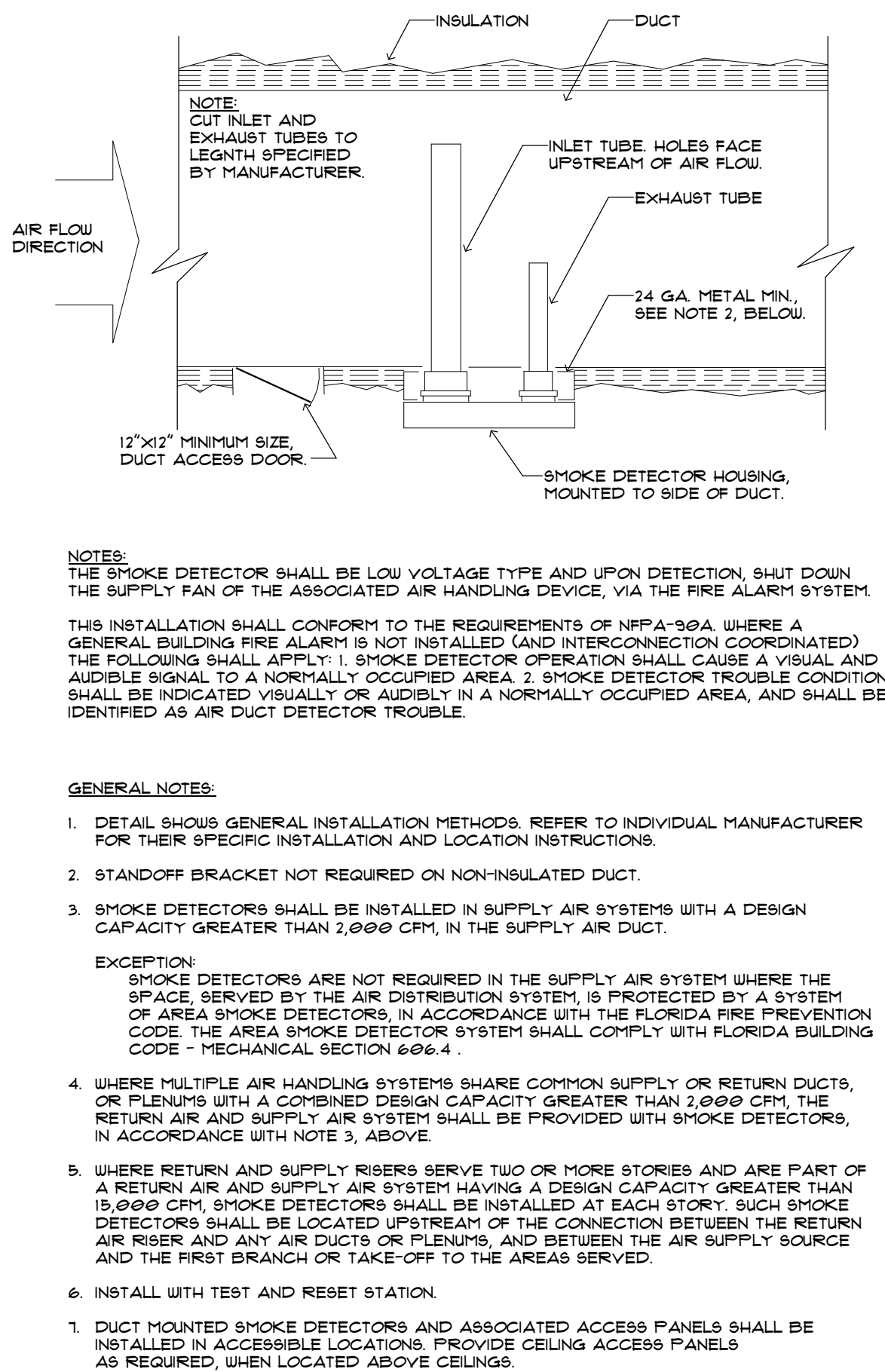
4 RESIDENTIAL UNIT AIR HANDLER DETAIL
SCALE: 1/2\"/>



5 FIRE DAMPER
SCALE: NOT TO SCALE



6 DUCT PENETRATION OF FIRE RATED PARTITION
SCALE: NOT TO SCALE



7 DUCT MOUNTED SMOKE DETECTOR
SCALE: NOT TO SCALE

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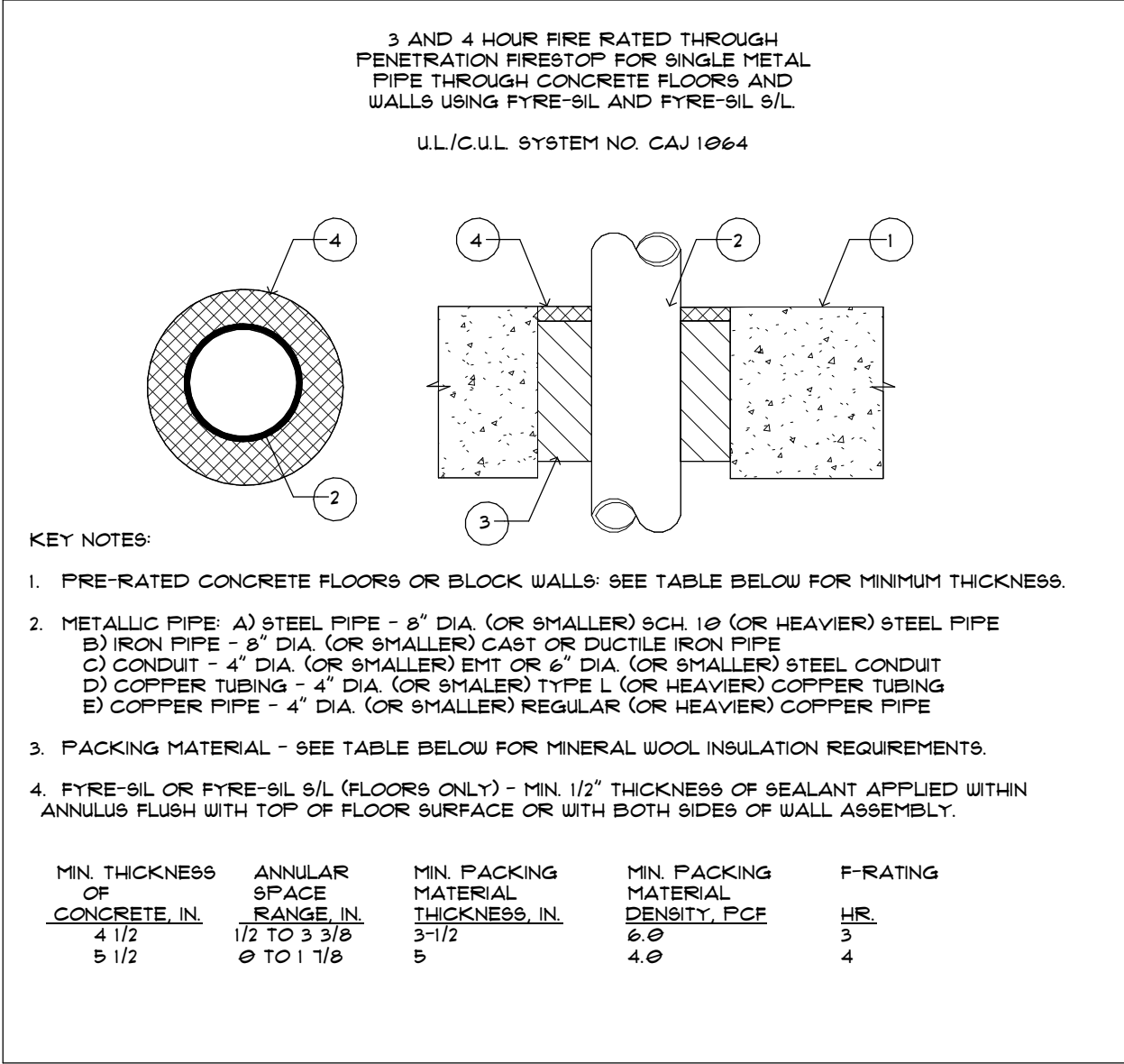
MHA - PALMS AT UNIVERSITY APARTMENTS
PHASE 11 - BUILDING 1
585 E. UNIVERSITY BOULEVARD
MELBOURNE, FLORIDA 32901

ISSUED	
DATE:	ISSUED FOR:
12-29-11	BUILDING PERMIT

REVISIONS		
NO.	DATE	DESCRIPTION

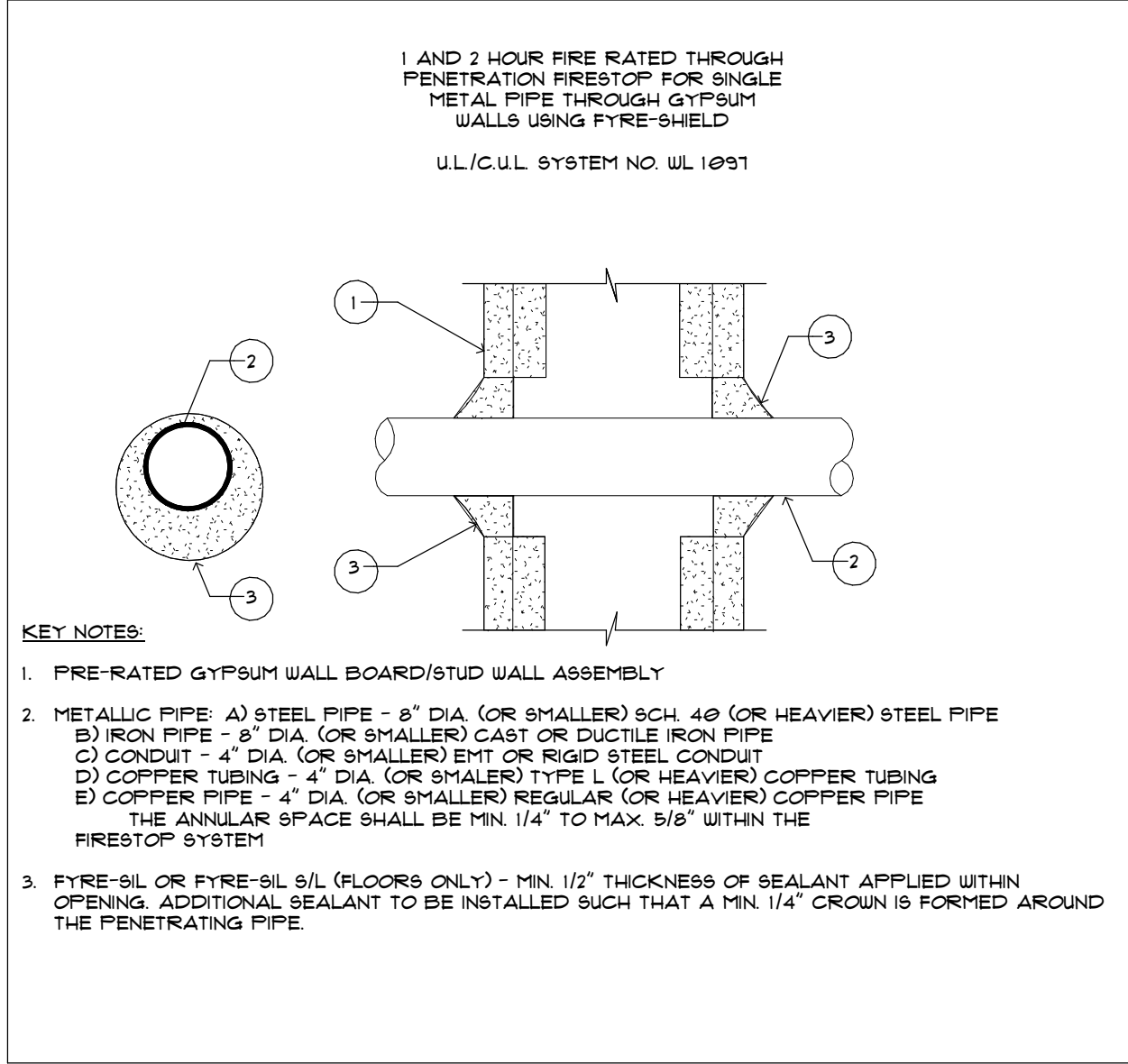
PROJECT NO.	15093.00
DRAWN BY:	SLG
PROJECT MANAGER:	AJW
CHECKED BY:	DGH
DATE:	12-29-11
SCALE:	AS INDICATED

M602
BUILDING '1'
MECHANICAL DETAILS



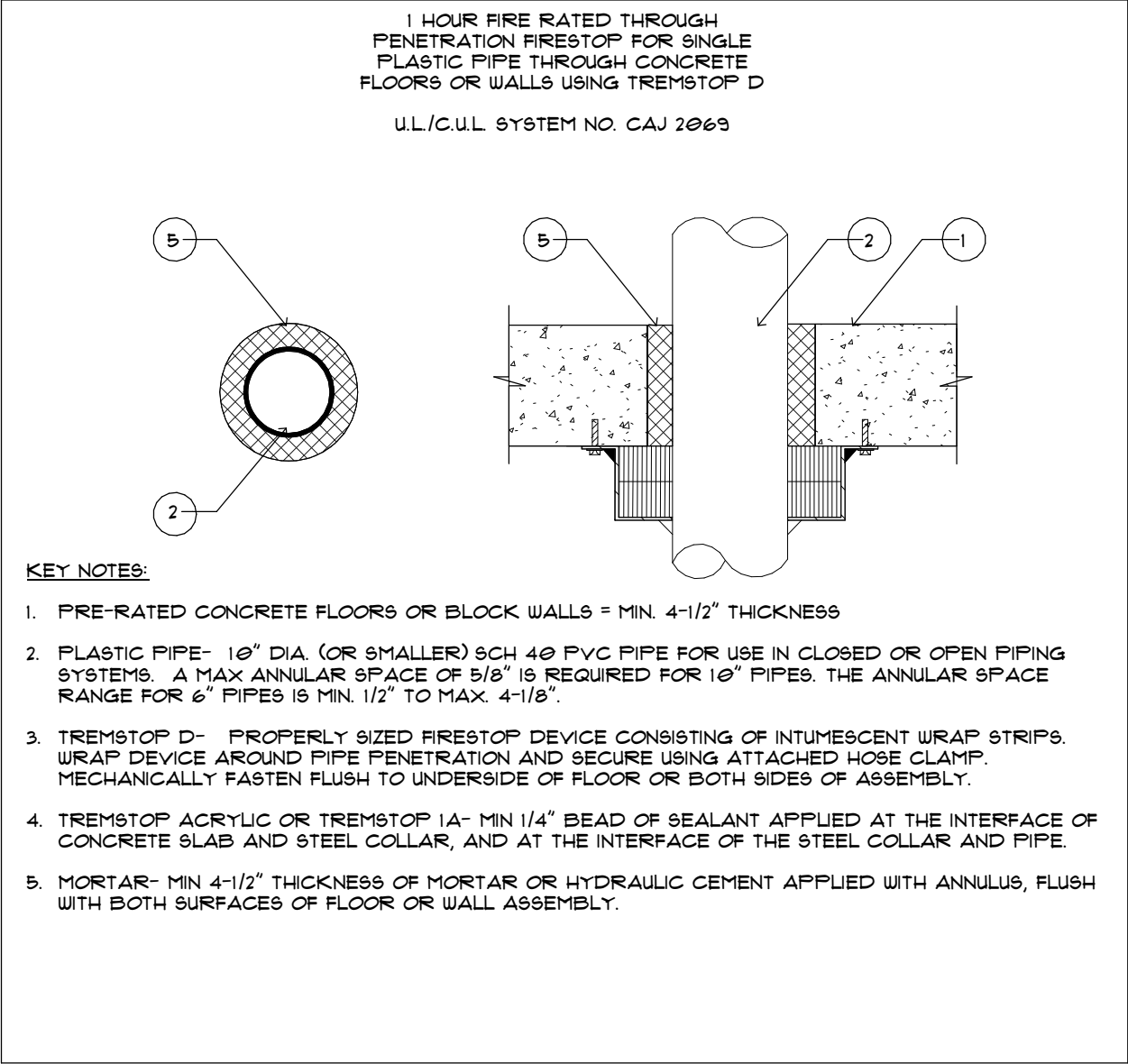
1 FIRE RATED METALLIC PIPE THROUGH CONCRETE

SCALE: NOT TO SCALE



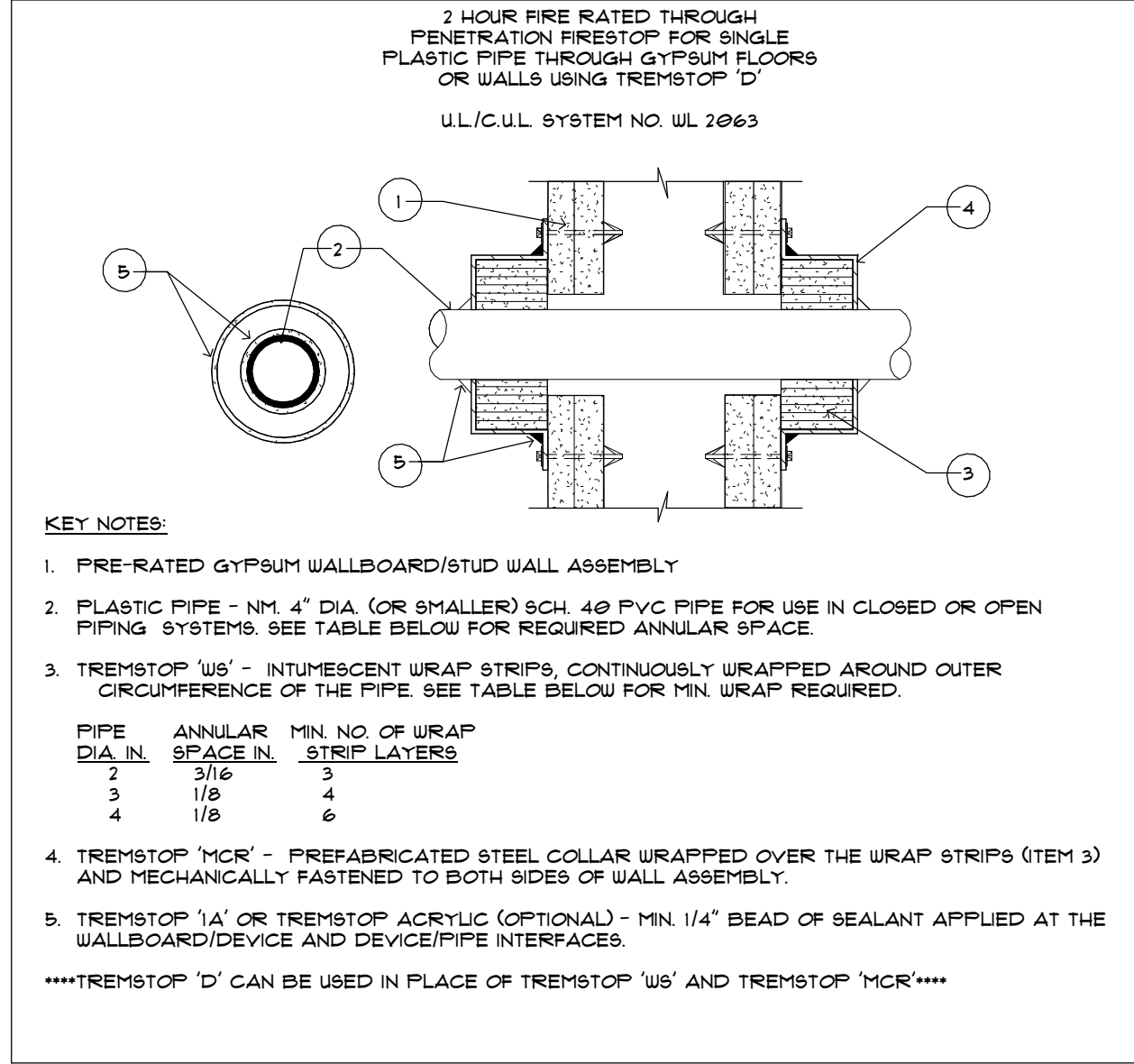
2 FIRE RATED METALLIC PIPE THROUGH GYPSUM

SCALE: NOT TO SCALE



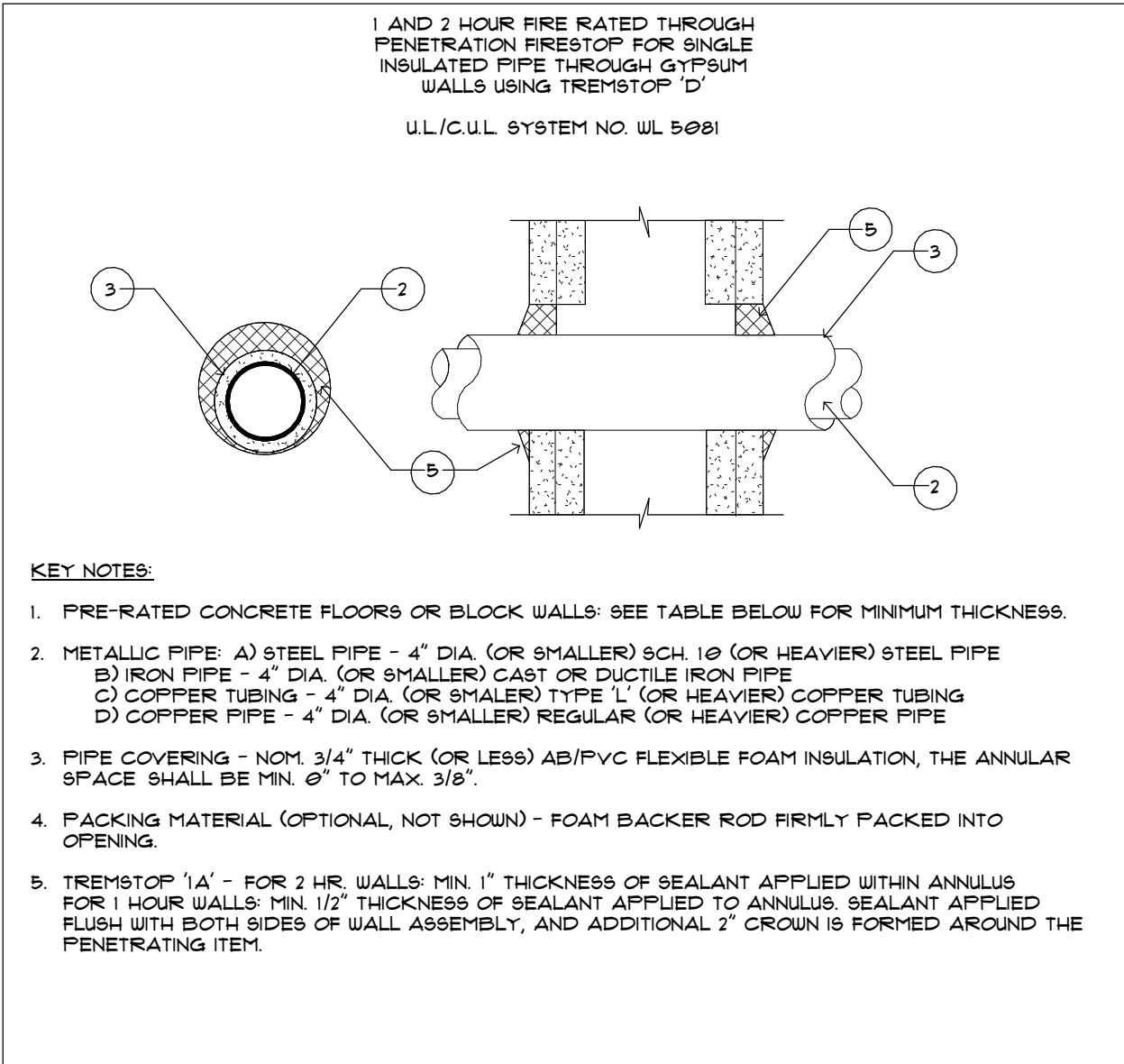
3 FIRE RATED PLASTIC PIPE THROUGH CONCRETE

SCALE: NOT TO SCALE



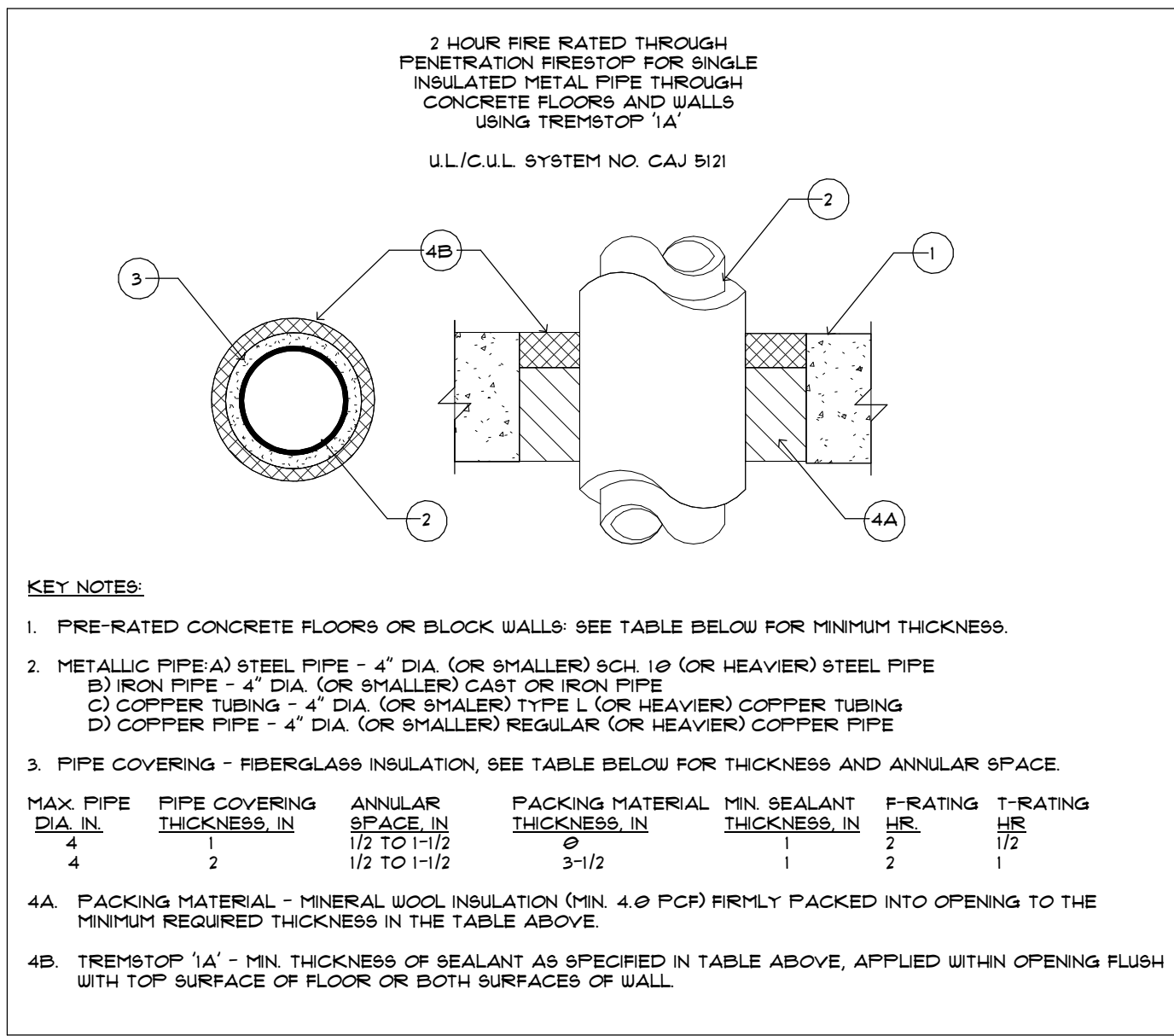
4 FIRE RATED PLASTIC PIPE THROUGH GYPSUM

SCALE: NOT TO SCALE



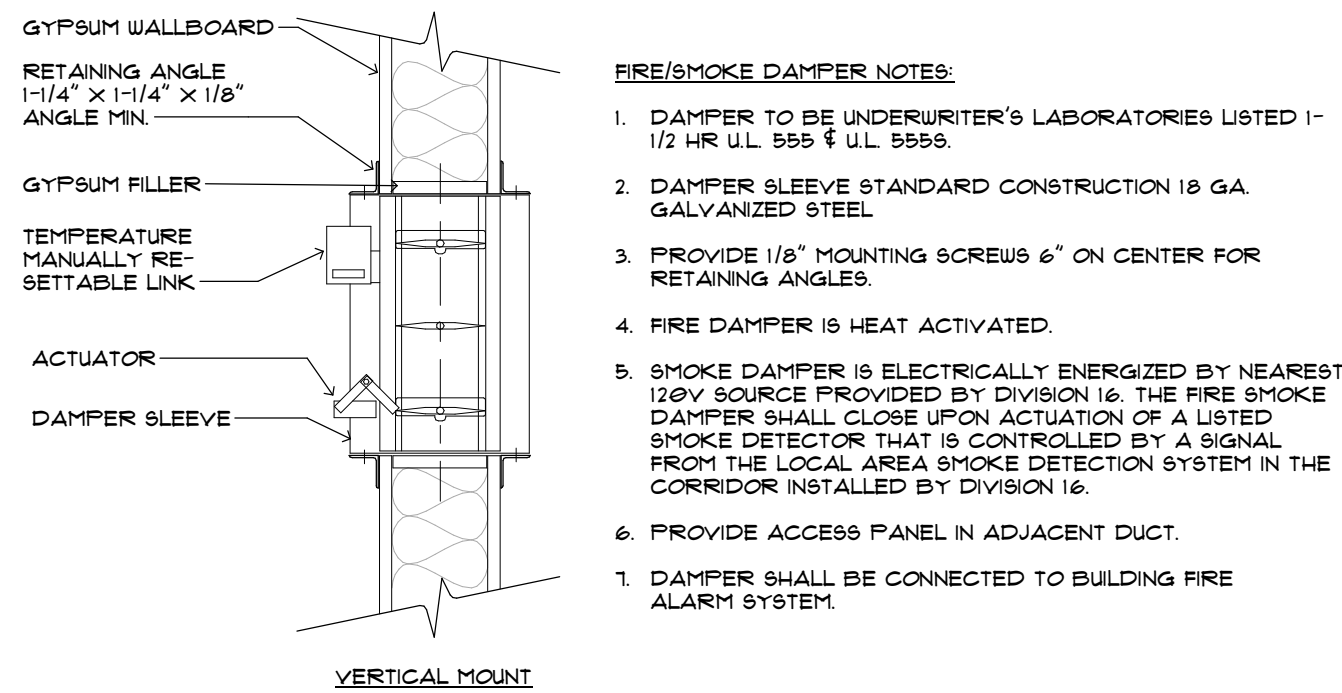
5 FIRE RATED INSULATED PIPE THROUGH GYPSUM

SCALE: NOT TO SCALE



6 FIRE RATED INSULATED PIPE THROUGH CONCRETE

SCALE: NOT TO SCALE



7 FIRE / SMOKE DAMPER

SCALE: NOT TO SCALE

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MHA - PALMS AT UNIVERSITY APARTMENTS
PHASE 1 - BUILDING 1
585 E. UNIVERSITY BOULEVARD
MELBOURNE, FLORIDA 32901

ISSUED
DATE: 12-29-11
ISSUED FOR: BUILDING PERMIT

REVISIONS

NO.	DATE	DESCRIPTION
1	02-20-18	BLDG. DEPT. COMMENTS

PROJECT NO: 15093.00
DRAWN BY: SLG
PROJECT MANAGER: AUW
CHECKED BY: DGH
DATE: 12-29-11
SCALE: NOT TO SCALE

M603
BUILDING '1'
MECHANICAL DETAILS

EXHAUST FAN SCHEDULE												
MARK	MANUF.	MODEL NO.	ROOM NAME	LOCATION	TYPE	AIRFLOW	STATIC PRESS	POWER	VOLT	PHASE	DRIVE	NOTES
EF-101	GREENHECK	5P-B10	105	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-102	GREENHECK	5P-B10	104	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-103	GREENHECK	5P-B10	103	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-104	GREENHECK	5P-B10	102	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-105	GREENHECK	5P-B10	101	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-106	GREENHECK	5P-B10	106	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-107	GREENHECK	5P-B10	107	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-108	GREENHECK	5P-B10	108	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-109	GREENHECK	5P-B10	109	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-110/1	GREENHECK	5P-B10	110	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-110/2	GREENHECK	5P-B10	110	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-111/1	GREENHECK	5P-B10	111	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-111/2	GREENHECK	5P-B10	111	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-112	GREENHECK	5P-B10	116	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-113	GREENHECK	5P-B10	115	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-114	GREENHECK	5P-B10	114	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-115	GREENHECK	5P-B10	113	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-116	GREENHECK	5P-B10	112	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-117	GREENHECK	5P-B10	111	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-118	GREENHECK	5P-B10	118	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-119	GREENHECK	5P-B10	119	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-120	GREENHECK	5P-B10	120	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-121/1	GREENHECK	5P-B10	121	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-121/2	GREENHECK	5P-B10	121	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-122/1	GREENHECK	5P-B10	122	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-122/2	GREENHECK	5P-B10	122	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-202	GREENHECK	5P-B10	204	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-203	GREENHECK	5P-B10	203	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-204	GREENHECK	5P-B10	202	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-205	GREENHECK	5P-B10	201	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-206	GREENHECK	5P-B10	206	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-207	GREENHECK	5P-B10	207	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-208	GREENHECK	5P-B10	208	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-209	GREENHECK	5P-B10	209	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-210/1	GREENHECK	5P-B10	210	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-210/2	GREENHECK	5P-B10	210	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-211/1	GREENHECK	5P-B10	211	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-211/2	GREENHECK	5P-B10	211	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-213	GREENHECK	5P-B10	215	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-214	GREENHECK	5P-B10	214	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-215	GREENHECK	5P-B10	213	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-216	GREENHECK	5P-B10	212	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-217	GREENHECK	5P-B10	217	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-218	GREENHECK	5P-B10	216	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-219	GREENHECK	5P-B10	219	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-220	GREENHECK	5P-B10	218	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-221/1	GREENHECK	5P-B10	221	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-221/2	GREENHECK	5P-B10	221	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-222/1	GREENHECK	5P-B10	220	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-222/2	GREENHECK	5P-B10	220	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-302	GREENHECK	5P-B10	304	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-303	GREENHECK	5P-B10	303	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-304	GREENHECK	5P-B10	302	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-305	GREENHECK	5P-B10	301	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-306	GREENHECK	5P-B10	306	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-307	GREENHECK	5P-B10	307	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-308	GREENHECK	5P-B10	308	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-309	GREENHECK	5P-B10	309	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-311/1	GREENHECK	5P-B10	311	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-311/2	GREENHECK	5P-B10	311	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-313	GREENHECK	5P-B10	315	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-314	GREENHECK	5P-B10	314	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-315	GREENHECK	5P-B10	313	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-316	GREENHECK	5P-B10	312	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-317	GREENHECK	5P-B10	317	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-318	GREENHECK	5P-B10	318	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-319	GREENHECK	5P-B10	319	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-320	GREENHECK	5P-B10	320	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-322/1	GREENHECK	5P-B10	322	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-322/2	GREENHECK	5P-B10	322	CEILING	STANDARD	50 CFM	0.13 IN-WG	14.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-A102	GREENHECK	5E-B-44G-VG	A102	SIDEWALL	STANDARD	60 CFM	0.15 IN-WG	15.0 W	115 V	1	DIRECT	1, 2, 3, 4
EF-B103	GREENHECK	5E-B-44G-VG	A103	SIDEWALL	STANDARD	60 CFM	0.15 IN-WG	15.0 W	115 V	1	DIRECT	1, 2, 3, 4

- NOTES:
- FANS SHALL BE CONTROLLED BY COMBINATION LIGHT SWITCH/OCCUPANCY SENSOR PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. FAN SHALL AUTOMATICALLY DE-ENERGIZE AFTER 15 MINUTES OF OPERATION IN WHICH NO MOTION IS DETECTED.
 - PROVIDE WITH INTEGRAL ELECTRIC SERVICE DISCONNECT, FINAL POWER CONNECTION AND PROVIDE WITH INTEGRAL BACKDRAFT DAMPER.
 - MAINTAIN MINIMUM 10' FEET CLEAR BETWEEN FRESH AIR INTAKES AND ANY EXHAUST OUTLET OR VENT. COORDINATE ACCORDINGLY.
 - PROVIDE WITH WALL CAP OR LOUVER SEE PLAN.

LOUVER SCHEDULE												
MARK	MANUFACTURER	MODEL #	FBC COMPLIANCE NUMBER	SIZE	CFM	PRESSURE IN. WG.	FREE AREA SQ. FT.	MAX VELOCITY	LOCATION	AREA SERVED	TYPE	
LV-3	GREENHECK	EVH-501D	AMCA 540/AMCA 550	30" X 18"	1300	0.1	2.01	641 FPM	WALL	MECH B101	INTAKE	
LV-4	GREENHECK	EVH-501D	AMCA 540/AMCA 550	30" X 18"	1300	0.1	2.01	641 FPM	WALL	MECH A203	INTAKE	
LV-5	GREENHECK	EVH-501D	AMCA 540/AMCA 550	30" X 18"	1300	0.1	2.01	641 FPM	WALL	MECH B203	INTAKE	
LV-6	GREENHECK	EVH-501D	AMCA 540/AMCA 550	30" X 18"	1300	0.1	2.01	641 FPM	WALL	MECH A303	INTAKE	
LV-7	GREENHECK	EVH-501D	AMCA 540/AMCA 550	30" X 18"	1300	0.1	2.01	641 FPM	WALL	MECH B303	INTAKE	

AIR DEVICE SCHEDULE												
TAG	FACE SIZE	NECK SIZE	MATERIAL	TYPE	FINISH	MANUFACTURER	MODEL	NOTES				
A	24X24	8" ROUND	AL	LAY-IN	SEE NOTE 3	METALAIR	5500	1, 2, 3, 4, 5, 6, 7, 8				
B	12X12	6X6	AL	LAY-IN	SEE NOTE 3	METALAIR	TDC-AA	1, 2, 3, 4, 5, 6, 7, 8, 9				
C	8X6	6X4	AL	SIDEWALL	SEE NOTE 3	METALAIR	V4004	1, 2, 3, 4, 5, 6, 8				
D	12X12	10X10	AL	LAY-IN	SEE NOTE 3	METALAIR	CC5	1, 2, 3, 4, 5, 6, 7, 8, 9				

NOTES:

- REFER TO PLANS FOR ALL NECK SIZES.
- NOISE CRITERIA NOT TO EXCEED 30 NC, SIZE NECK ACCORDINGLY.
- PROVIDE TRIM APPROPRIATE FOR CEILING OR WALL AS REQUIRED BY FINISHES AND SYSTEMS. G.C. TO COORDINATE FINISH COLOR WITH ARCHITECT FOR ALL CEILING DIFFUSERS, GRILLES, ETC.
- PROVIDE FACE ACCESSIBLE DAMPER FOR BALANCING WHERE CONSTRUCTION LIMITS ACCESS TO BRANCH TAP.
- PROVIDE 2-WAY, 3-WAY, OR 4-WAY THROW PER ARROWS ON PLANS.
- CONTRACTOR TO COORDINATE IF CEILING IS LAY-IN OR SURFACE-MOUNTED TYPE PRIOR TO CONSTRUCTION.
- USE YOUNG REGULATOR'S DAMPER FOR INACCESSIBLE DUCTWORK TO BALANCE THE SYSTEM.
- USE PLENUM AND ADAPTOR AS NEEDED.
- PROVIDE OPTIONAL LAY-IN FILLER PANEL TO PROVIDE OVERALL 24X24 LAY-IN DIFFUSER/GRILLE. SURFACE-MOUNTED DIFFUSERS ON CEILING TILES ARE NOT ACCEPTABLE.

DUCTLESS MINI SPLIT SCHEDULE												
MARK	MFR	TOTAL CAPACITY (MBH)	TOTAL HEATING CAPACITY (MBH)	SEER	MCA	MCCP	VOLTAGE	MODEL NO. (INDOOR/OUTDOOR)	DIMENSIONS - INDOOR/OUTDOOR (L"xW"xH")	WEIGHT (INDOOR/OUTDOOR)		
DMS-1	SAMSUNG	36	36	18	13.5	30	208/1160	AGN36VFUAGM/AGX36VFUAGM	50.4"x14"x10"/36.6"x45.0"x14.15"	40 / 152		
DMS-2	SAMSUNG	24	21	15	12	20	208/1160	AGN24VFUAGM/AGX24VFUAGM	42"x11.15"x8.5"/34.625"x31.28"x12.15"	25 / 118		
DMS-3	SAMSUNG	9	11	11	9	15	208/1160	AR09KSPFDUQNCV/AR09K8FPDUQXCV	32.25"x11.25"x8.5"/31.125"x11.56"x11.25"	10 / 63		
DMS-4	SAMSUNG	9	11	11	9	15	208/1160	AR09K8FPDUQNCV/AR09K8FPDUQXCV	32.25"x11.25"x8.5"/31.125"x11.56"x11.25"	10 / 63		

1. PROVIDE ALL CONDENSING UNIT COILS WITH CORROSION RESISTANT COATING WITH A MINIMUM OF 5,000 HOURS IN THE ASTM B-117 SALT SPRAY TEST. COATING MAY NOT DECREASE HEAT TRANSFER BY MORE THAN 1%. ADSIL, LUVATA, AND FACTORY APPLIED COMPLETECOAT ARE APPROVED. BAKE PHENOLIC COATINGS ARE NOT ACCEPTABLE.

2. PROVIDE WITH DIGITAL WALL MOUNTED THERMOSTAT, COORDINATE LOCATION.

3. PROVIDE WITH CONDENSATE PUMP WHEN APPLICABLE.

4. PROVIDE WITH LOW AMBIENT KIT.

5. PROVIDE SINGLE POINT FEED AT OUTSIDE COMPRESSOR & MOTOR RATED SWITCH AT INDOOR AHU FEED

