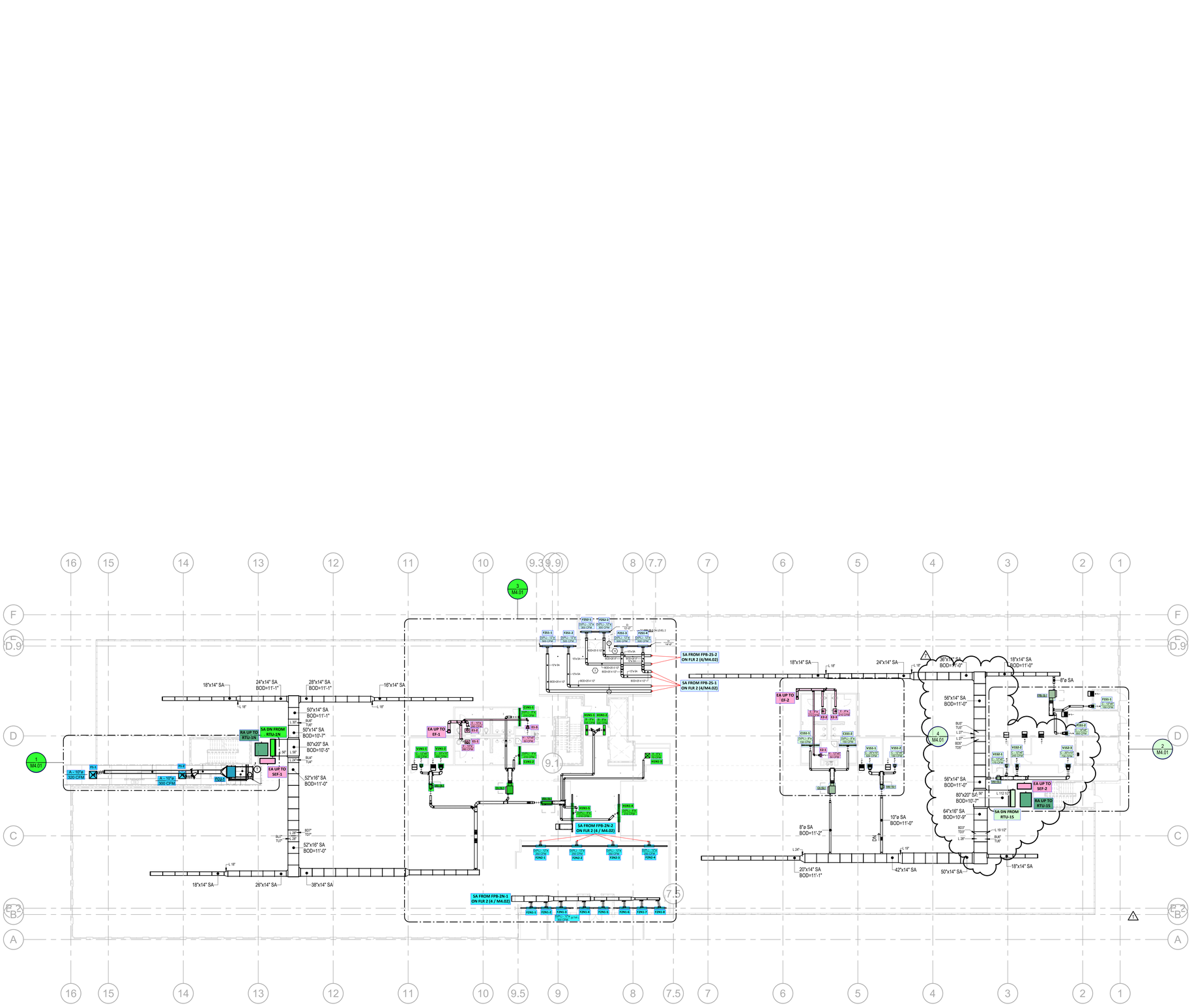

1 **OVERALL LEVEL 1 FLOOR PLAN - MECHANICAL**
SCALE: 1/16" = 1'-0"

PLAN NORTH

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PLANO PARKWAY
PLANO, TX

ISSUE FOR CONSTRUCTION

No.	Date	Revision
1	12/15/21	ASI #1
2	05/10/22	ASI #7

Author
Drawn By

Approver
Reviewed

JASON B. STEWART
86391
LICENSED
PROFESSIONAL
ENGINEER
STATE OF TEXAS
MECHANICAL
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OVERALL FLOOR PLAN - MECHANICAL

Project No. 12345678
Date 06/25/2021

M1.01

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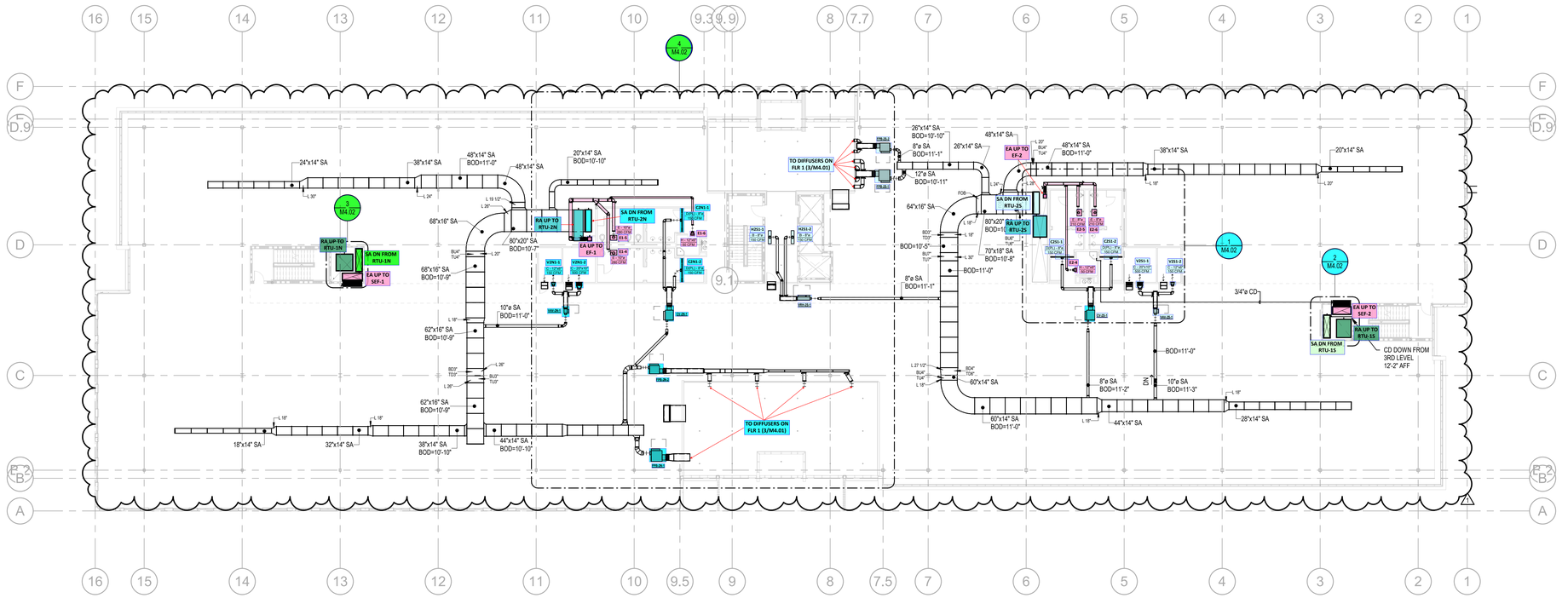

1 **OVERALL LEVEL 2 FLOOR PLAN - MECHANICAL**
SCALE: 1/16" = 1'-0"

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ISSUE FOR CONSTRUCTION

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OVERALL FLOOR PLAN - MECHANICAL

Project No. 12345678
Date 06/25/2021

M1.02

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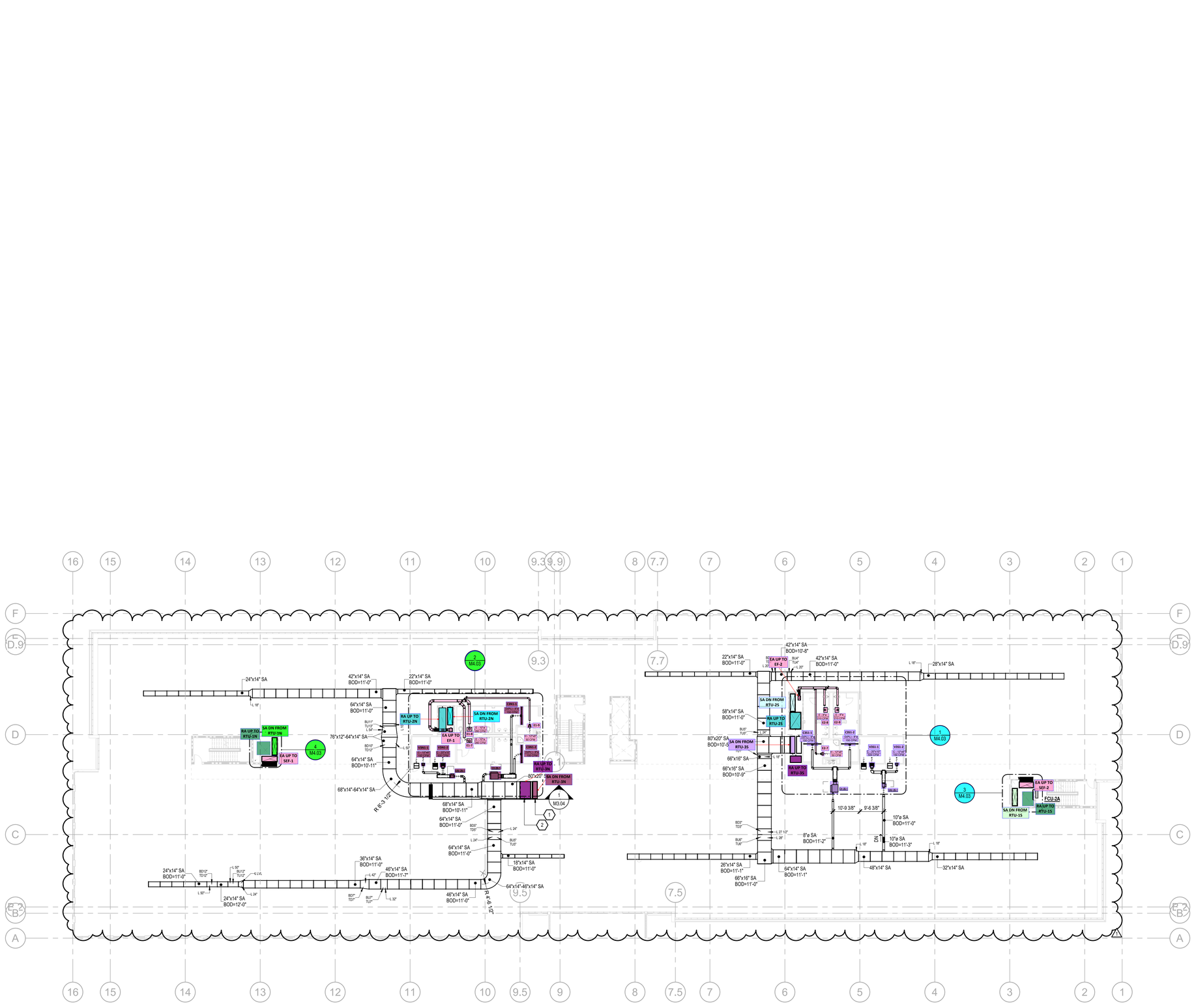
KEYNOTES M1.03

1	20x80 SA FSD IN LEVEL 4 SLAB
2	50x80 RA FSD IN LEVEL 4 SLAB



1 **OVERALL LEVEL 3 FLOOR PLAN - MECHANICAL**
SCALE: 1/16" = 1'-0"

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JASON B. STEWART
86391
LICENSED PROFESSIONAL ENGINEER
MECHANICAL
STATE OF TEXAS

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OVERALL FLOOR PLAN - MECHANICAL

Project No. 12345678
Date 06/25/2021

M1.03

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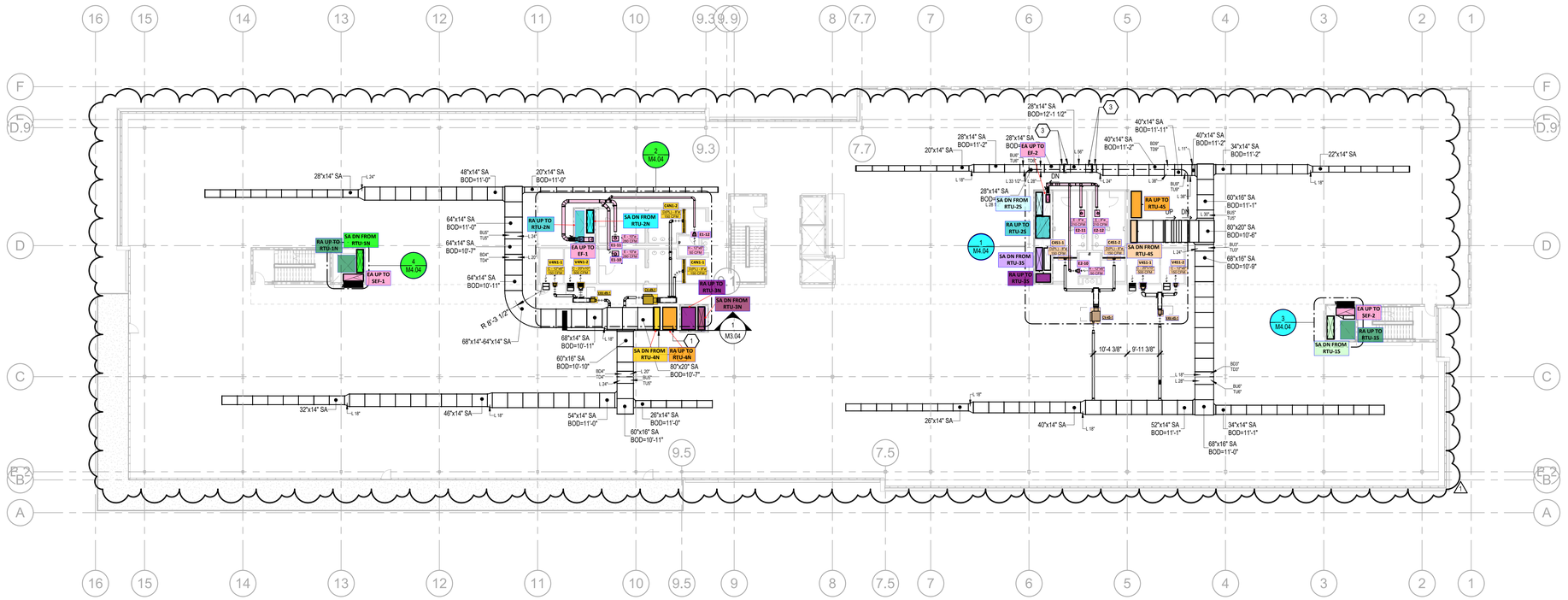
KEYNOTES M1.04	
1	50x80 RA FSD IN LEVEL 5 SLAB
2	20x80 SA FSD IN LEVEL 5 SLAB
3	(2) - 30" FULL RADIUS BELBOWS WITH 3-1/2" TRAVEL PIECE
3	(2) - 30" FULL RADIUS BELBOWS WITH 3-1/2" TRAVEL PIECE



PLAN NORTH

1 **OVERALL LEVEL 4 FLOOR PLAN - MECHANICAL**
SCALE: 1/16" = 1'-0"

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OVERALL FLOOR PLAN - MECHANICAL

Project No. 12345678
Date 06/25/2021

M1.04

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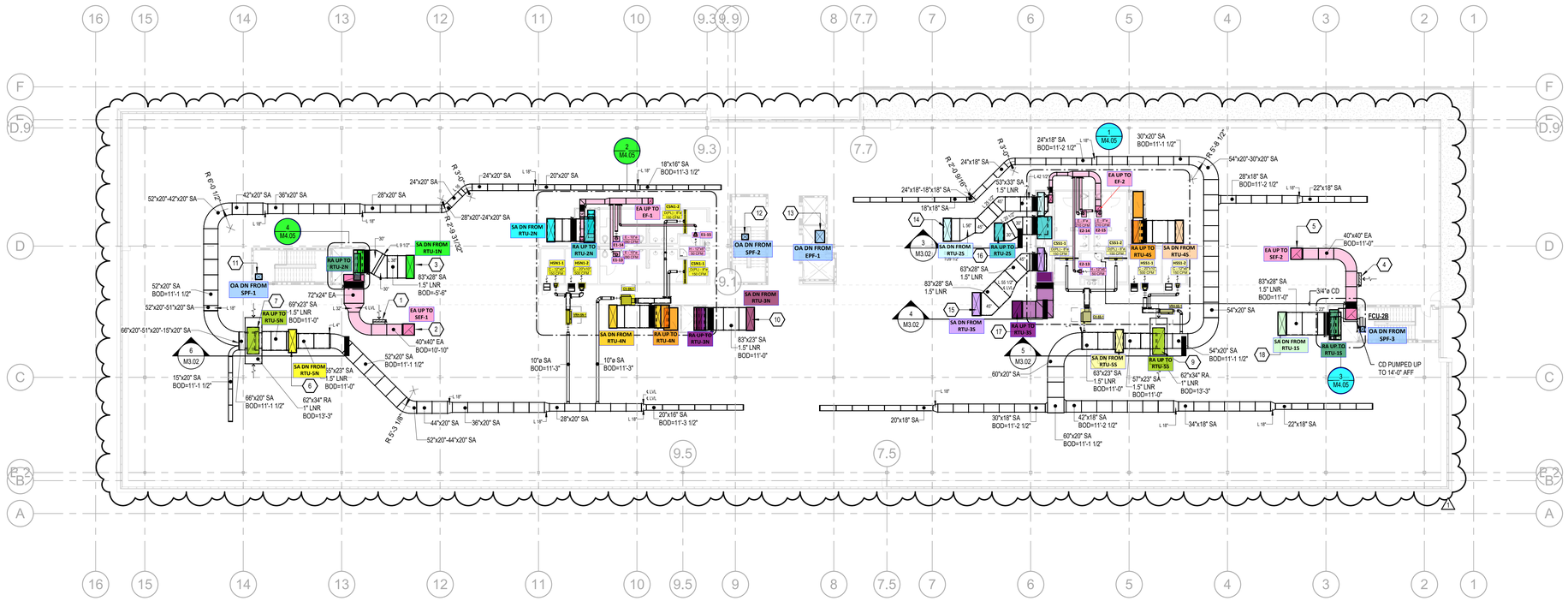
KEYNOTES M1.05	
1	2-POSITION MOTORIZED DAMPER, 120 V EMERGENCY POWER, NORMALLY CLOSED. REFER TO M6.02 FOR OPERATING SEQUENCE.
2	40"x40" E/A UP THRU ROOF (SEF-1). REFER TO M1.06 FOR CONTINUATION.
3	SA DN FROM RTU-1N.
4	2-POSITION MOTORIZED DAMPER, 120 V EMERGENCY POWER, NORMALLY CLOSED. REFER TO M6.02 FOR OPERATING SEQUENCE.
5	40"x40" E/A UP THRU ROOF (SEF-2). REFER TO M1.06 FOR CONTINUATION.
6	SA DN FROM RTU-5N.
7	RA UP TO RTU-5N.
8	SA DN FROM RTU-5S.
9	RA UP TO RTU-5S.
10	SA DN FROM RTU-3N.
11	OA DUCT DN FROM ROOF (SPF-1).
12	OA DUCT DN FROM ROOF (SPF-2).
13	OA DUCT DN FROM ROOF (EPF-1).
14	SA DN FROM RTU-2S.
15	SA DN FROM RTU-3S.
16	RA UP TO RTU-2S.
17	RA UP TO RTU-3S.
18	SA DN FROM RTU-1S.



1 **OVERALL LEVEL 5 FLOOR PLAN - MECHANICAL**
SCALE: 1/16" = 1'-0"

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OVERALL FLOOR PLAN - MECHANICAL

Project No. 12345678
Date 06/25/2021

M1.05

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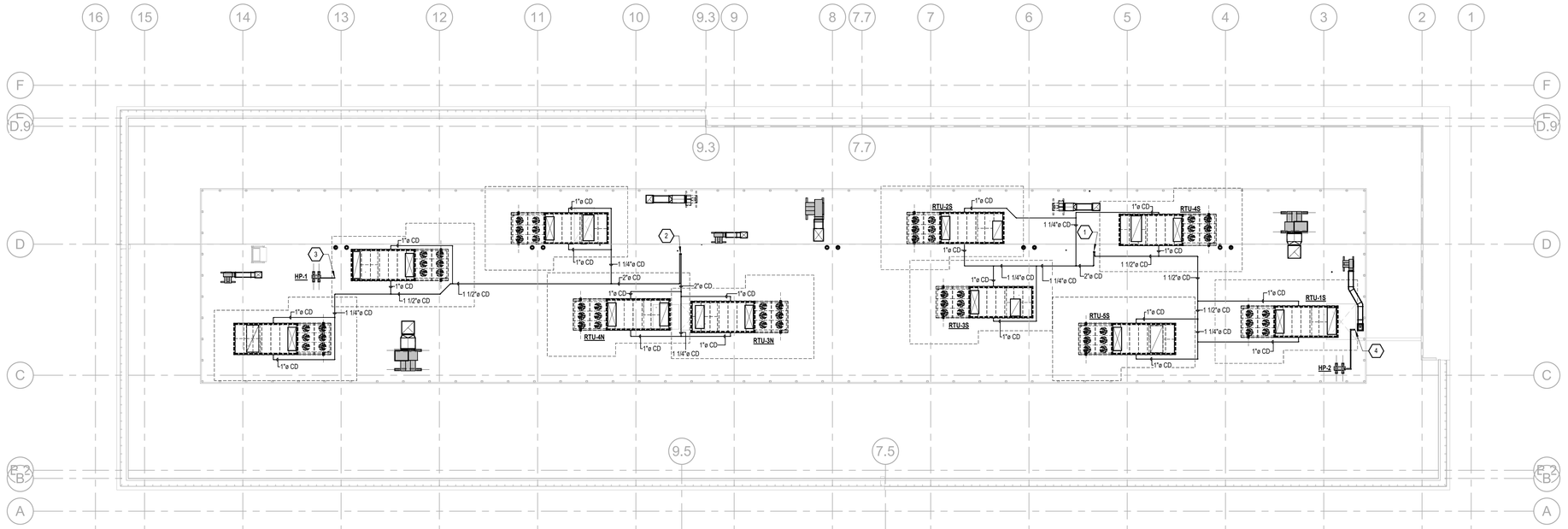
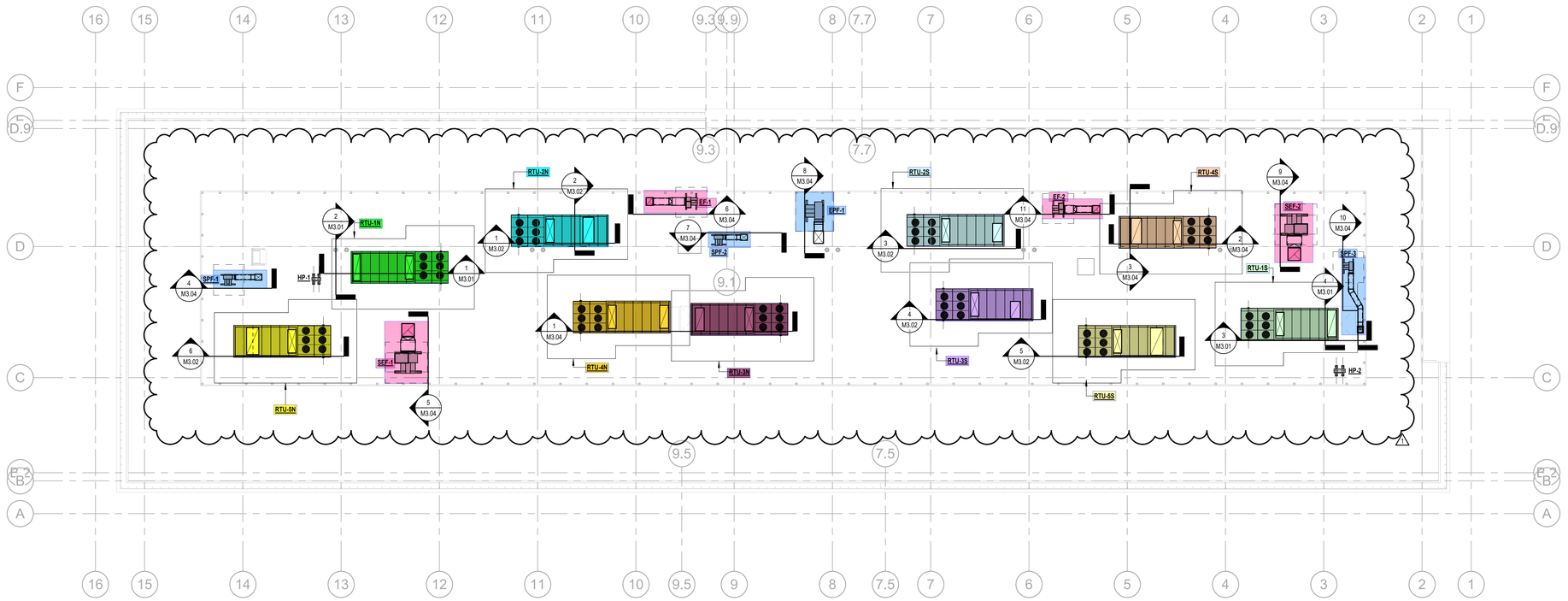
KEYNOTES M1.06	
1	(1) 1-1/2" & (1) 2" CONDENSATE DRAINS DOWN TO BELOW. RE: 1/M1.05 FOR CONTINUATION.
2	(2) 2" CONDENSATE DRAINS DOWN TO BELOW. RE: 1/M1.05 FOR CONTINUATION.
3	1/4" LIQUID, 1/2" GAS REFRIGERANT LINES DOWN TO FCU-1 ON 1ST FLOOR. RE: 1/M1.01 FOR CONTINUATION.
4	3/8" LIQUID, 5/8" GAS REFRIGERANT LINES DOWN TO FCU-2A ON 3RD FLOOR & FCU- 2B ON 5TH FLOOR. RE: 1/M1.03 & 1/M1.05 FOR CONTINUATION.



2 OVERALL ROOF PLAN - MECHANICAL PIPING
SCALE: 1/16" = 1'-0"



1 OVERALL ROOF PLAN - MECHANICAL
SCALE: 1/16" = 1'-0"

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12/15/2021

OVERALL ROOF PLAN - MECHANICAL

Project No. 12345678
Date 06/25/2021

M1.06

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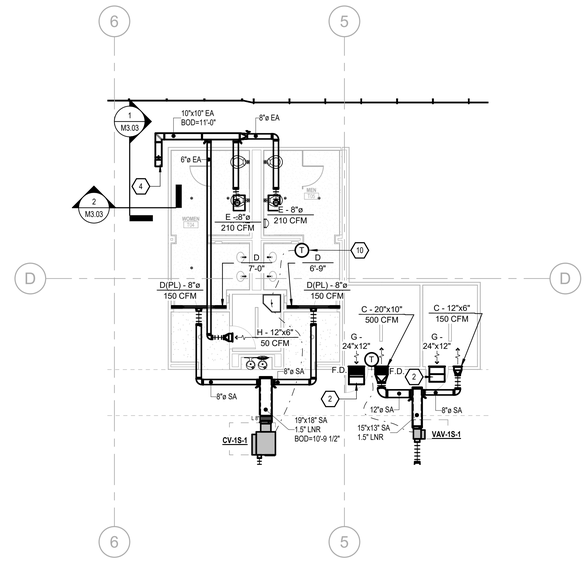
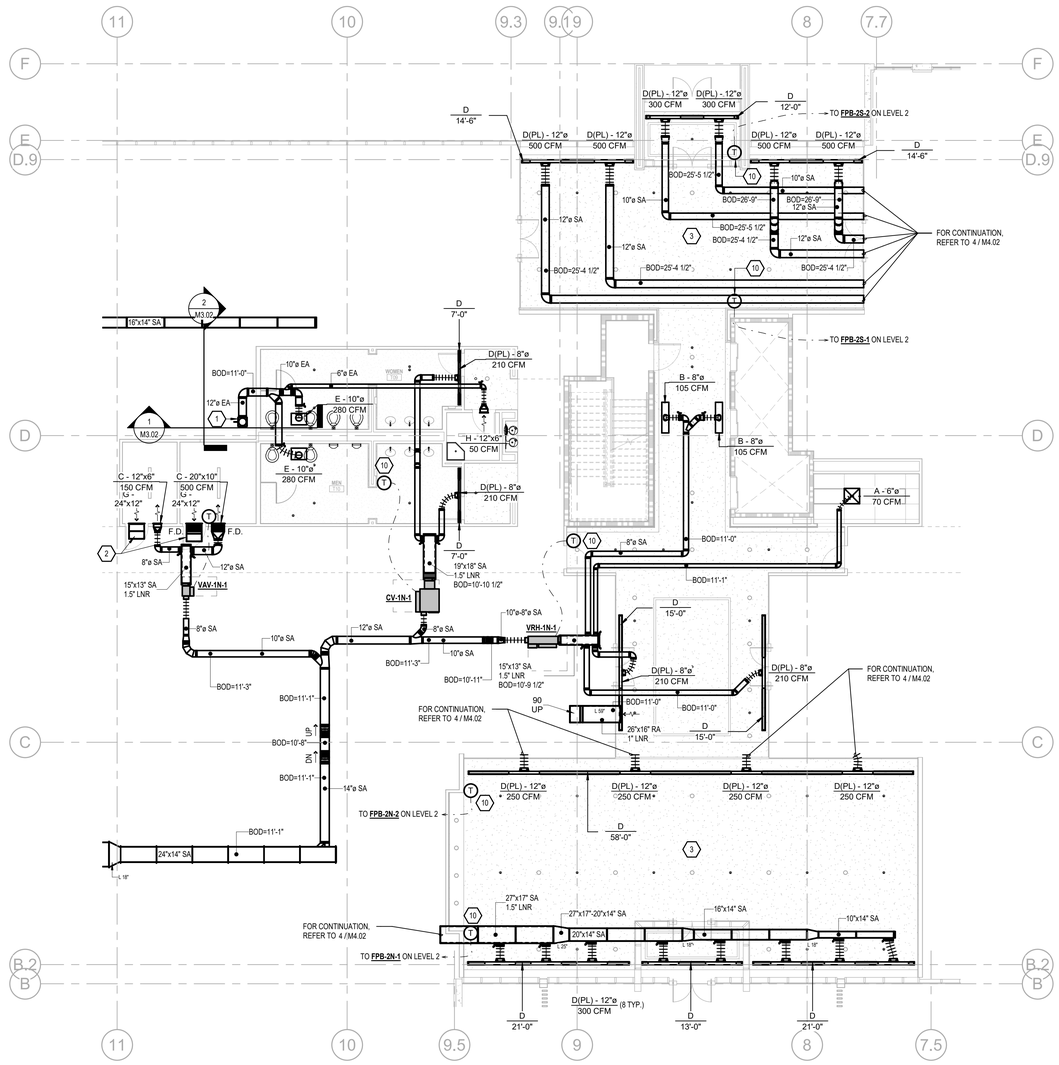
KEYNOTES M4.01

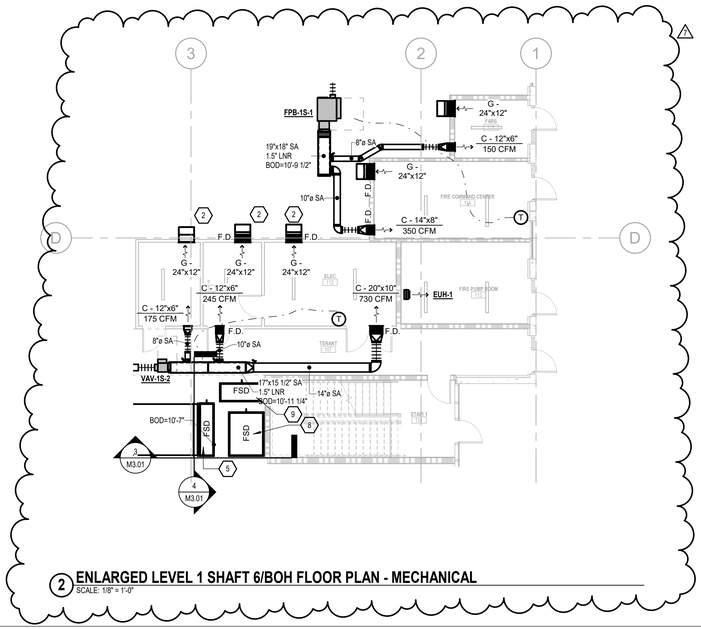
1	12"ø FSD IN LEVEL 2 SLAB
2	24x12 RA TRANSFER ELBOW W/1" LINER
3	CEILING @ 25'-0" A.F.F. DUCTWORK FED FROM LEVEL 2
4	10x10 FSD IN LEVEL 2 SLAB
5	20x80 SA FSD IN LEVEL 2 SLAB
6	60x60 RA FSD IN LEVEL 2 SLAB
7	72x24 EA FSD IN LEVEL 2 SLAB. NORMALLY CLOSED AND ON EMERGENCY 120 VOLT POWER. REFER TO M6.02 FOR OPERATING SEQUENCE.
8	52x66 RA FSD IN LEVEL 2 SLAB
9	68x26 EA FSD IN LEVEL 2 SLAB. NORMALLY CLOSED AND ON EMERGENCY 120 VOLT POWER. REFER TO M6.02 FOR OPERATING SEQUENCE.
10	"BUTTON" TYPE ZONE SENSOR (BY BASC)
11	1/4" LIQUID, 1/2" GAS REFRIGERANT LINES UP TO HP-1 ON ROOF. RE: 2/M1.06 FOR CONTINUATION.
12	TERMINATE 1-1/4" CD AT HUB DRAIN IN STORM RISER. COORDINATE LOCATION WITH PLUMBER.



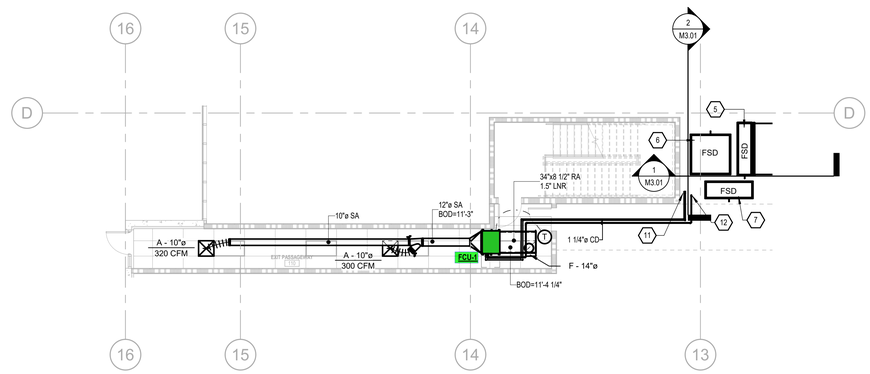
4 ENLARGED LEVEL 1 SOUTH CORE FLOOR PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"



3 ENLARGED LEVEL 1 NORTH CORE/LOBBY FLOOR PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"



2 ENLARGED LEVEL 1 SHAFT 6/BOH FLOOR PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"



1 ENLARGED LEVEL 1 EGRESS CORRIDOR/SHAFT 1 FLOOR PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"

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PLANO, TX

ISSUE FOR CONSTRUCTION

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Drawn By
Approver
Reviewed

JASON B. STEWART
86391
12/15/2021

LEVEL 1 ENLARGED FLOOR PLANS - MECHANICAL

Project No. 12345678
Date 12/25/2021 1

M4.01

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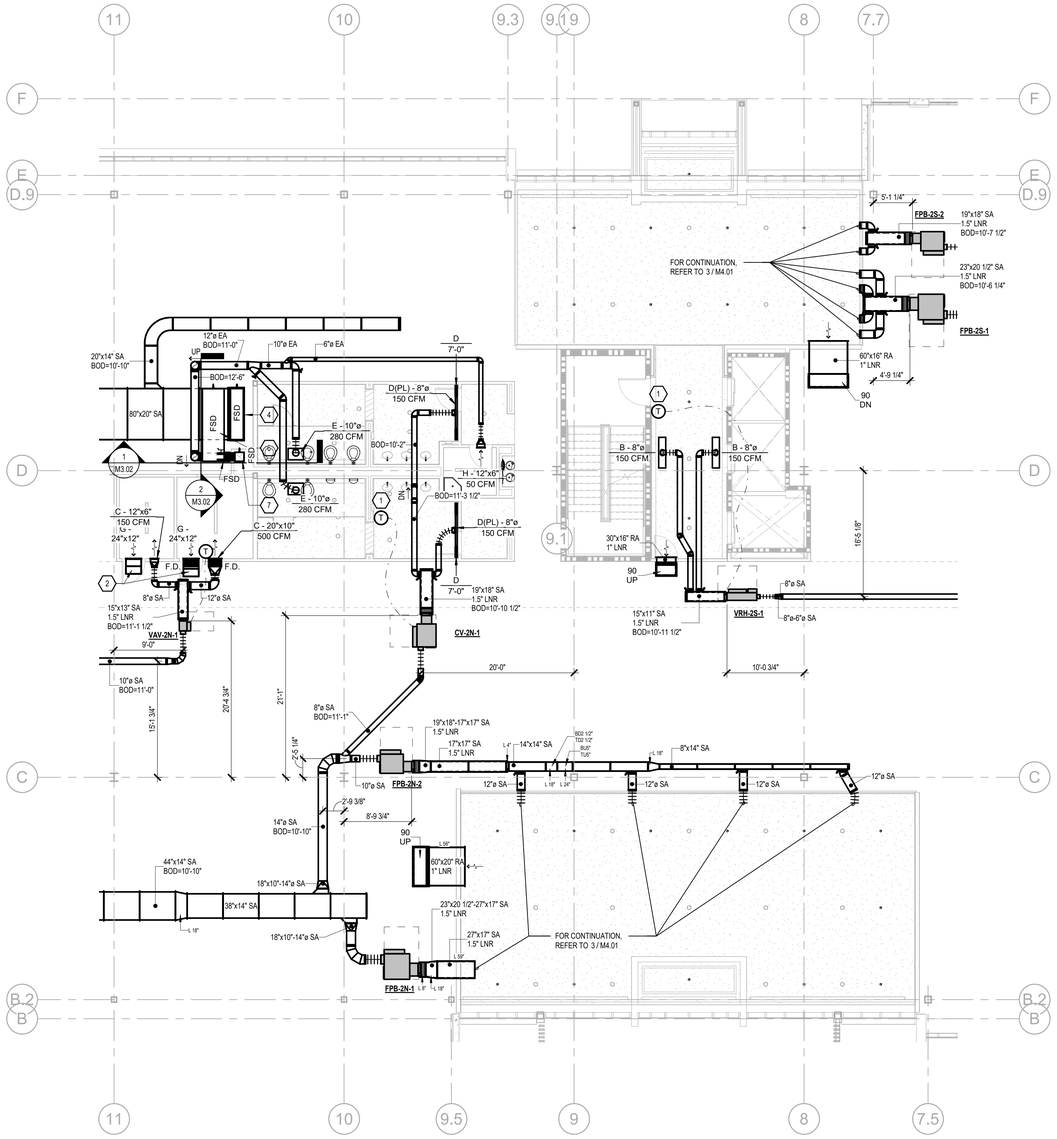
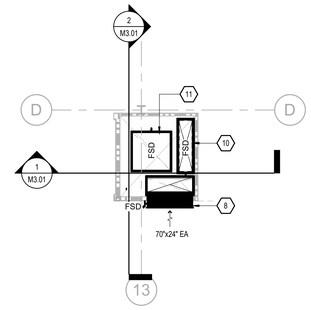
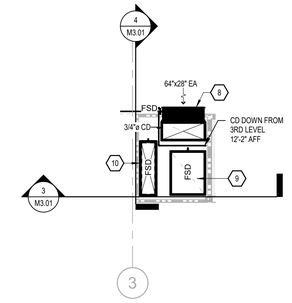
KEYNOTES M4.02	
1	"BUTTON" TYPE ZONE SENSOR (BY BASC)
2	24x12 RA TRANSFER ELBOW W/1" LINER
3	12x14 EA FSD IN LEVEL 3 SLAB
4	20x80 SA FSD IN LEVEL 3 SLAB
5	48x76 RA FSD IN LEVEL 3 SLAB
6	34x114 RA FSD IN LEVEL 3 SLAB
7	14x14 EA FSD IN LEVEL 3 SLAB
8	EA FSD IN SHAFT WALL. NORMALLY CLOSED AND ON EMERGENCY 120 VOLT POWER. REFER TO M6.02 FOR OPERATING SEQUENCE.
9	52x66 RA FSD IN LEVEL 2 SLAB
10	20x80 SA FSD IN LEVEL 2 SLAB. 23x83 SA DUCT W/ 1.5" LINER FROM ABOVE
11	20x80 SA FSD IN LEVEL 2 SLAB. 23x83 SA DUCT W/ 1.5" LINER FROM ABOVE



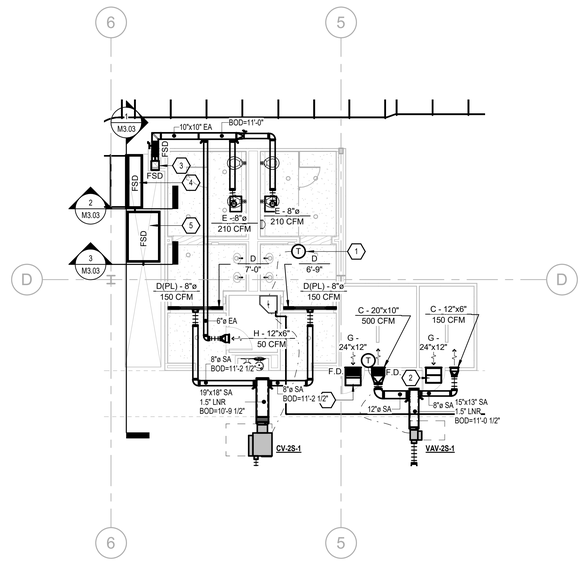
4 **ENLARGED LEVEL 2 NORTH CORE/LOBBY FLOOR PLAN - MECHANICAL**
SCALE: 1/8" = 1'-0"



3 **ENLARGED LEVEL 2 SHAFT 1 FLOOR PLAN - MECHANICAL**
SCALE: 1/8" = 1'-0"



2 **ENLARGED LEVEL 2 SHAFT 6 FLOOR PLAN - MECHANICAL**
SCALE: 1/8" = 1'-0"



1 **ENLARGED LEVEL 2 SOUTH CORE FLOOR PLAN - MECHANICAL**
SCALE: 1/8" = 1'-0"

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LEVEL 2 ENLARGED FLOOR PLANS - MECHANICAL

Project No. 12345678
Date 12/25/2021

M4.02

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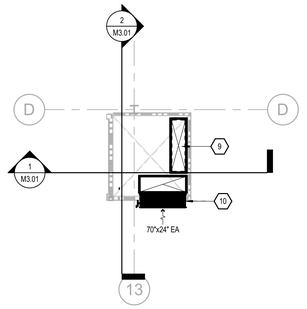
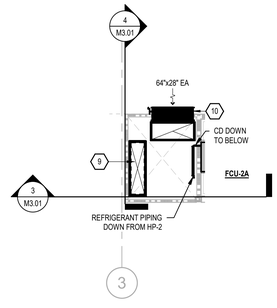
KEYNOTES M4.03

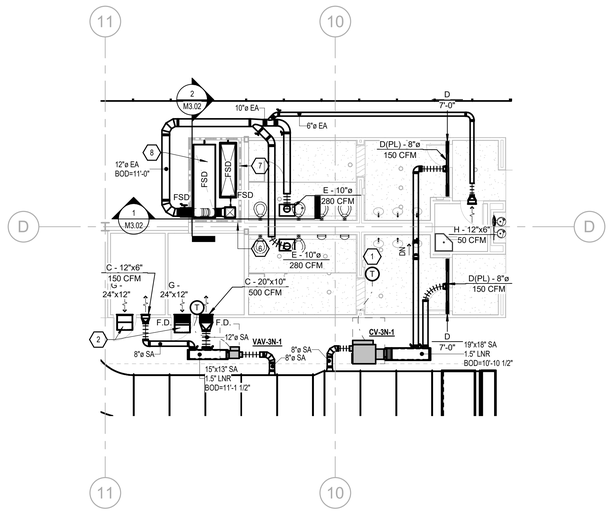
1	"BUTTON" TYPE ZONE SENSOR (BY BASC)
2	24x12 RA TRANSFER ELBOW W/1" LINER
3	20x80 SA FSD IN LEVEL 4 SLAB
4	22x80 RA FSD IN LEVEL 4 SLAB
5	52x30 RA FSD IN LEVEL 4 SLAB
6	14x14 EA FSD IN LEVEL 3 SLAB
7	20x80 SA FSD IN LEVEL 3 SLAB
8	32x120 RA FSD IN LEVEL 3 SLAB
9	23x83 SA W/ 1.5" LINER UP AND DOWN
10	EA FSD IN SHAFT WALL. NORMALLY CLOSED AND ON EMERGENCY 120 VOLT POWER. REFER TO M6.02 FOR OPERATING SEQUENCE.



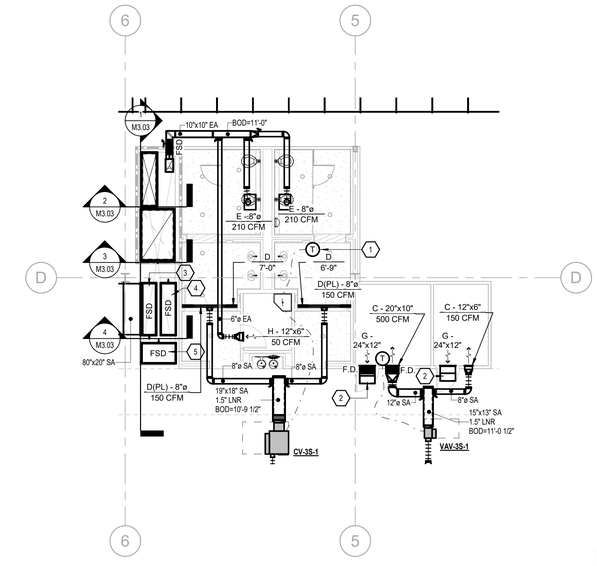
4 ENLARGED LEVEL 3 SHAFT 1 FLOOR PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"



3 ENLARGED LEVEL 3 SHAFT 6 FLOOR PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"



2 ENLARGED LEVEL 3 NORTH CORE FLOOR PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"



1 ENLARGED LEVEL 3 SOUTH CORE FLOOR PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"

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LEVEL 3 ENLARGED FLOOR PLANS - MECHANICAL

Project No. 12345678
Date 12/25/2021

M4.03

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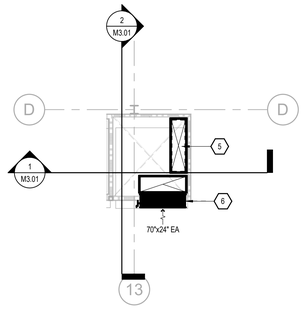
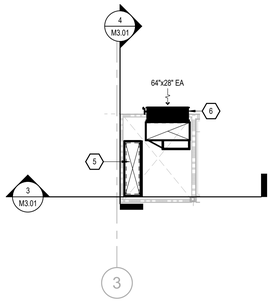
KEYNOTES M4.04

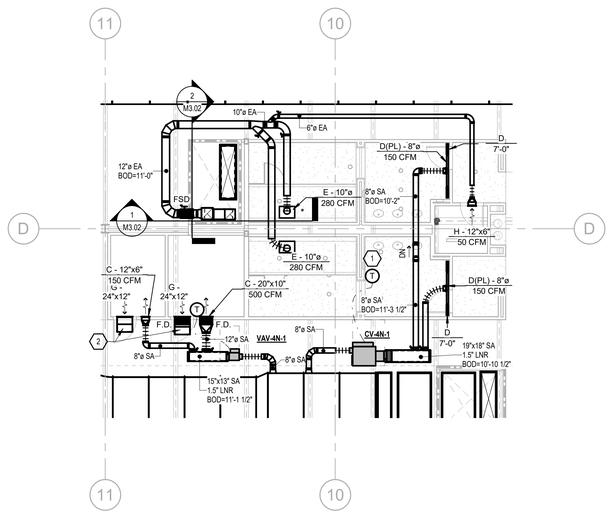
1	"BUTTON" TYPE ZONE SENSOR (BY BASC)
2	24x12 RA TRANSFER ELBOW W/1" LINER
3	36x36 RA FSD IN LEVEL 5 SLAB
4	20x80 SA FSD IN LEVEL 5 SLAB
5	23x83 SA W/ 1.5" LINER UP AND DOWN
6	EA FSD IN SHAFT WALL. NORMALLY CLOSED AND ON EMERGENCY 120 VOLT POWER. REFER TO M6.02 FOR OPERATING SEQUENCE.



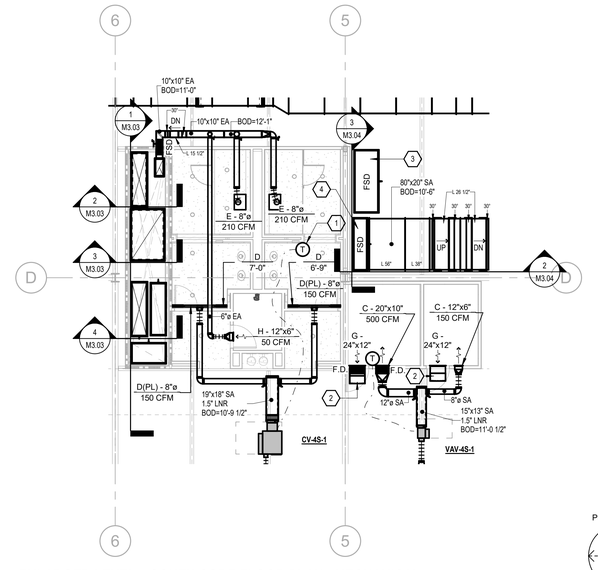
4 ENLARGED LEVEL 4 SHAFT 1 FLOOR PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"



3 ENLARGED LEVEL 4 SHAFT 6 FLOOR PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"



2 ENLARGED LEVEL 4 NORTH CORE FLOOR PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"



1 ENLARGED LEVEL 4 SOUTH CORE FLOOR PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"

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86391
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LEVEL 4 ENLARGED FLOOR PLANS - MECHANICAL

Project No. 12345678
Date 12/25/2021

M4.04

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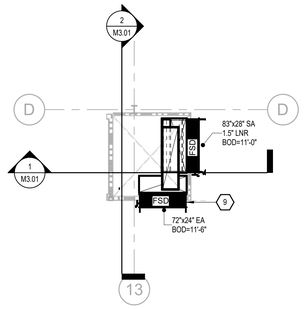
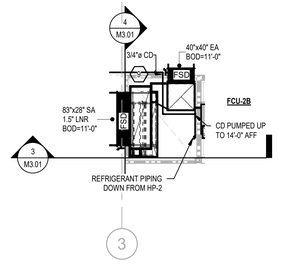
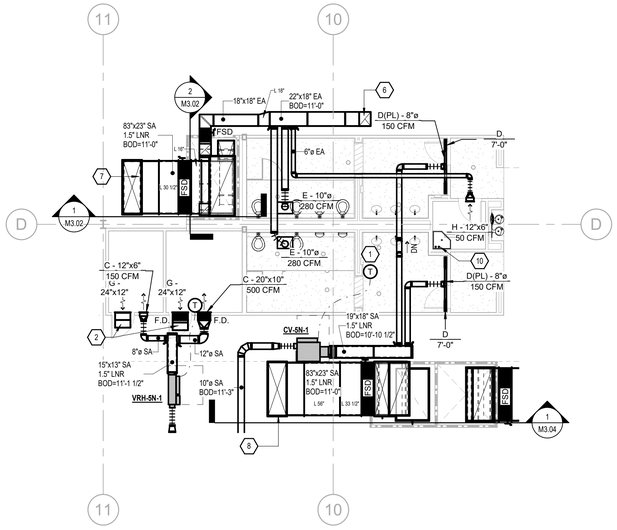
KEYNOTES M4.05	
1	"BUTTON" TYPE ZONE SENSOR (BY BASC)
2	24x12 RA TRANSFER ELBOW W/1" LINER
3	36x06 RA FSD IN LEVEL 5 SLAB
4	SA DN FROM RTU-4S
5	20x20 EA UP THRU ROOF (EF-2)
6	18x22 EA UP THRU ROOF (EF-1)
7	SA DN FROM RTU-2N
8	SA DN FROM RTU-4N
9	EA FSD IN SHAFT WALL. NORMALLY CLOSED AND ON EMERGENCY 120 VOLT POWER. REFER TO M6.02 FOR OPERATING SEQUENCE.
10	(2) 2" CONDENSATE DRAINS DOWN FROM ABOVE. RE: 1/M1.06 FOR CONTINUATION.
11	(1) 1-1/2" & (1) 2" CONDENSATE DRAINS DOWN FROM ABOVE. RE: 1/M1.06 FOR CONTINUATION.



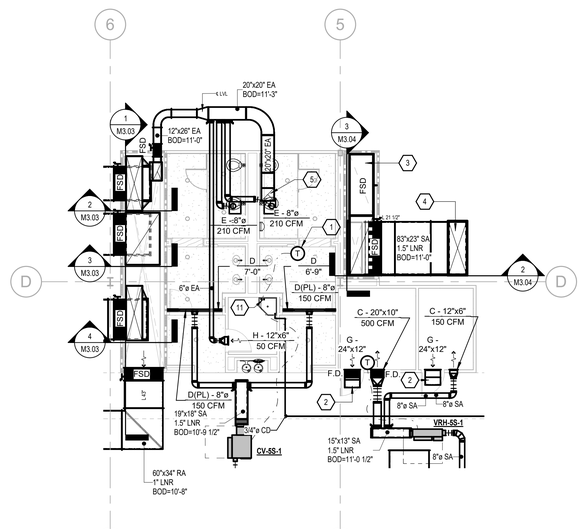
4 ENLARGED LEVEL 5 SHAFT 1 FLOOR PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"



3 ENLARGED LEVEL 5 SHAFT 6 FLOOR PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"



2 ENLARGED LEVEL 5 NORTH CORE FLOOR PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"



1 ENLARGED LEVEL 5 SOUTH CORE FLOOR PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"

PLAN NORTH

gff ARCHITECTS
Dallas | Fort Worth | Austin

BILLINGSLEY COMPANY

IBP XVIII
PLANO PARKWAY
PLANO, TX

ISSUE FOR CONSTRUCTION

No.	Date	Revision
1	12/15/21	ASI #1

Author
Drawn By

Approver
Reviewed

JASON B. STEWART
86391
LICENSED
PROFESSIONAL ENGINEER
STATE OF TEXAS
The seal appearing on this document was authorized by Jason B. Stewart on 12/15/2021

LEVEL 5 ENLARGED FLOOR PLANS - MECHANICAL

Project No. 12345678
Date 12/25/2021

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