SHEET NOTES:

- REFER TO M2.4 SERIES FOR ENLARGED PLANS. FIREPLACE FLUE ROUTING SHOWN FOR REFERENCE. REFER TO ENLARGED UNIT PLANS FOR ROUTING AND SIZING DETAIL.
- MECHANICAL EQUIPMENT SHOWN FOR REFERENCE. REFER TO ENLARGED UNIT PLANS FOR DETAIL. ARCHITECT SHALL PROVIDE 1-SQFT NFA OPENINGS IN ALL FULL HEIGHT, NON-RATED WALLS FOR RETURN AIR PATHS IF NO DUCT TRANSFER IS SHOWN. ALL EQUIPMENT, INSULATION, WIRING, AND INFRASTRUCTURE IN THE PLENUM SHALL BE PLENUM RATED.
- FLEX DUCT SHAL NOT BE INSTALLED ABOVE FINISHED HARD-LID CEILINGS. PROVIDE BUTTON TYPE TEMPERATURE SENSOR IN PUBLIC AREAS. SEE DETAIL-13, SHEET M5.04 PROVIDE REMOTE CABLE DAMPER OPERATOR IN DIFFUSERS ABOVE HARD-LID CEILINGS. SEE DETAIL-9, SHEET M5.04

NUMBERED NOTES:

- FUTURE KITCHEN EQUIPMENT AND INFRASTRUCTURE PROVIDED UNDER SEPARATE PERMIT.
- CONNECT TO MANUFACTURED FIREPLACE. SEE FIREPLACE INSTRUCTIONS FOR MORE INFORMATION.
- PROVIDE ENERVEX SMDS-8 MODULATING DAMPER OFF BOILER EXHAUST
- 3" FREE AIR GAP ALONG THIS WALL FOR RETURN AIR. SEE ARCH
- WALL GRILL SHALL BE ABOVE FINISHED CEILING. FSD ACCESS IN
- ELECTRICAL ROOM. GRILL AND DUCTWORK BACK TO BRANCH LINE SHALL BE STAINLESS STEEL CONSTRUCTION



Reserved for permit stamp

• —



Pool Consultant
Cloward H20
2696 N University Ave, Suite 290
Provo, UT 84604 <u>Landscape Architect</u> **EPG Design**6949 South High Tech Drive, Suite 100
Midvale, Utah 84047 <u>Specifications Writer</u> **Friday Group** 88 Mainelli Road Middlebury, VT Code Consultant
Holmes
600 1st Avenue, Suite 200A
Seattle, WA 98104 Fire Protection Engineer
Jensen Hughes
One Research Drive, Suite 305C
Westborough, MA 01581

Vertical Transportation Consulatant
Lerch Bates
19515 North Creek Parkway, Suite 304
Bothell, WA 98011 Structural Engineer

Magnusson Klemencic Associates
1301 5th Ave, Suite 3200
Seattle, WA 98101

1319 SE MLK Blvd, Suite 210 Portland, Oregon 97219 Building Envelope Consultant RDH 2101 N 34th St Seattle, WA 98103

<u>Lighting Designer</u> **O-**

Accessibility Consultant
Studio Pacifica
2144 Westlake Ave N, Suite F
Seattle, WA 98109 MEP Engineer
WSP USA
1001 Fourth Ave., Suite 3100
Seattle, WA 98154

principal architect_____

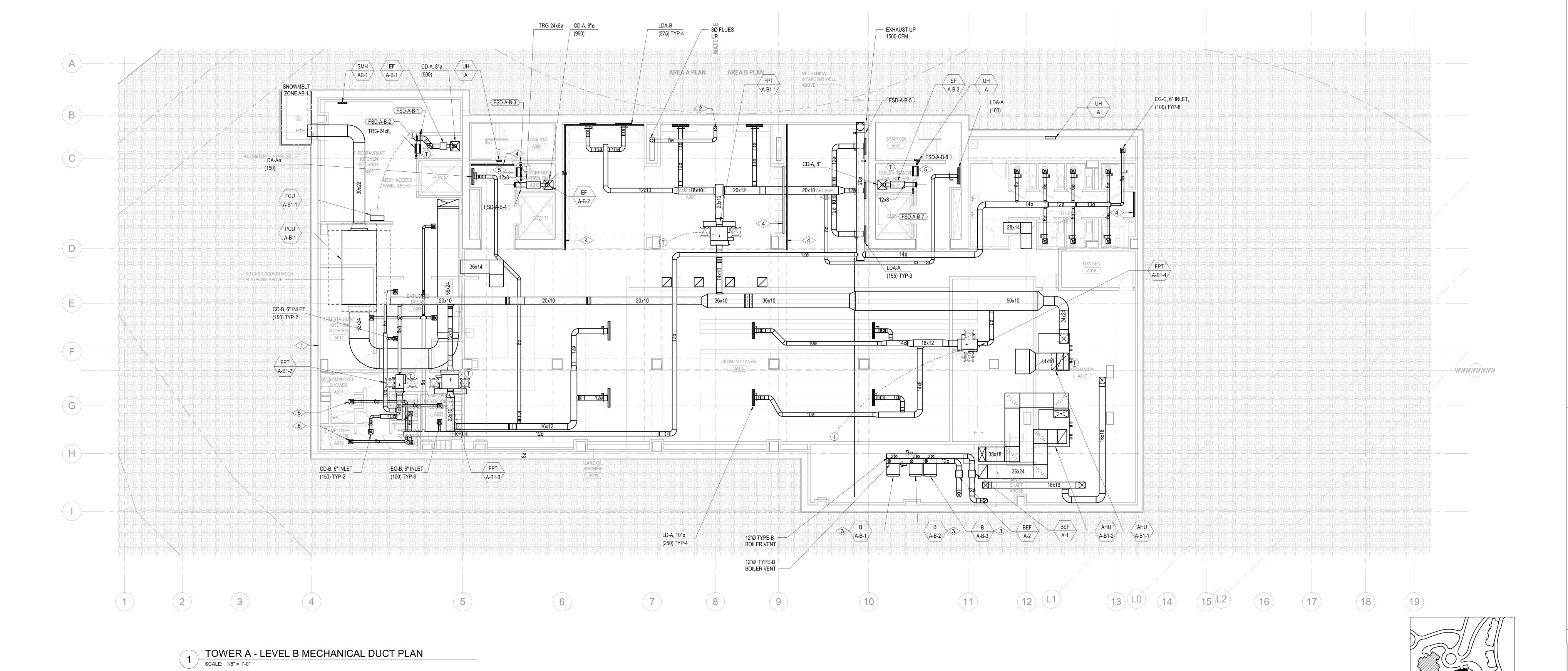
no. date

ISSUE FOR CONSTRUCTION

TOWER A - LVL B MECHANICAL DUCT PLAN

11/18/2022

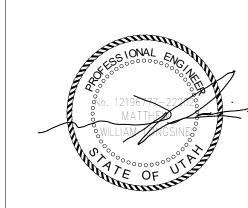
M2.2A.01



- REFER TO M2.4 SERIES FOR ENLARGED PLANS. FIREPLACE FLUE ROUTING SHOWN FOR REFERENCE. REFER TO ENLARGED UNIT PLANS FOR ROUTING
- MECHANICAL EQUIPMENT SHOWN FOR REFERENCE. REFER TO ENLARGED UNIT PLANS FOR DETAIL. ALL DUCTS AND EQUIPMENT LOCATED IN THE GARAGE SHALL BE INSTALLED TIGHT TO UNDERSIDE OF THE SLAB TO MAINTAIN 8'-6" CLEARANCES FOR VEHICLES.

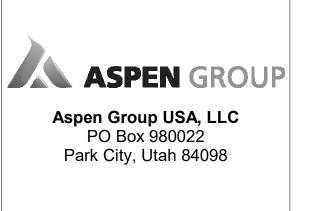
NUMBERED NOTES:

- 1 GARAGE EXHAUST FANS TO BE STACKED AT THE EXHAUST WELL WALL UNDER THE DUCT PENETRATIONS SHOWN. SEE DETAIL-7,
- SHEET M5.01. SEE ARCHITECTURAL DRAWINGS FOR EXHAUST WELL INFORMATION.
- ARCHITECT TO PROVIDE 41-SQFT NFA GARAGE INTAKE.
- WALL GRILL SHALL BE ABOVE FINISHED CEILING. FSD ACCESS IN ELECTRICAL ROOM.



Reserved for permit stamp

• —



Pool Consultant
Cloward H20
2696 N University Ave, Suite 290
Provo, UT 84604 <u>Landscape Architect</u> **EPG Design**6949 South High Tech Drive, Suite 100
Midvale, Utah 84047 <u>Specifications Writer</u> **Friday Group** 88 Mainelli Road Middlebury, VT Code Consultant
Holmes
600 1st Avenue, Suite 200A
Seattle, WA 98104 Fire Protection Engineer
Jensen Hughes
One Research Drive, Suite 305C
Westborough, MA 01581 Vertical Transportation Consulatant
Lerch Bates
19515 North Creek Parkway, Suite 304
Bothell, WA 98011

Structural Engineer

Magnusson Klemencic Associates
1301 5th Ave, Suite 3200
Seattle, WA 98101 Lighting Designer
O-1319 SE MLK Blvd, Suite 210 Portland, Oregon 97219 Building Envelope Consultant RDH

2101 N 34th St Seattle, WA 98103 Accessibility Consultant
Studio Pacifica
2144 Westlake Ave N, Suite F
Seattle, WA 98109

MEP Engineer
WSP USA
1001 Fourth Ave., Suite 3100
Seattle, WA 98154

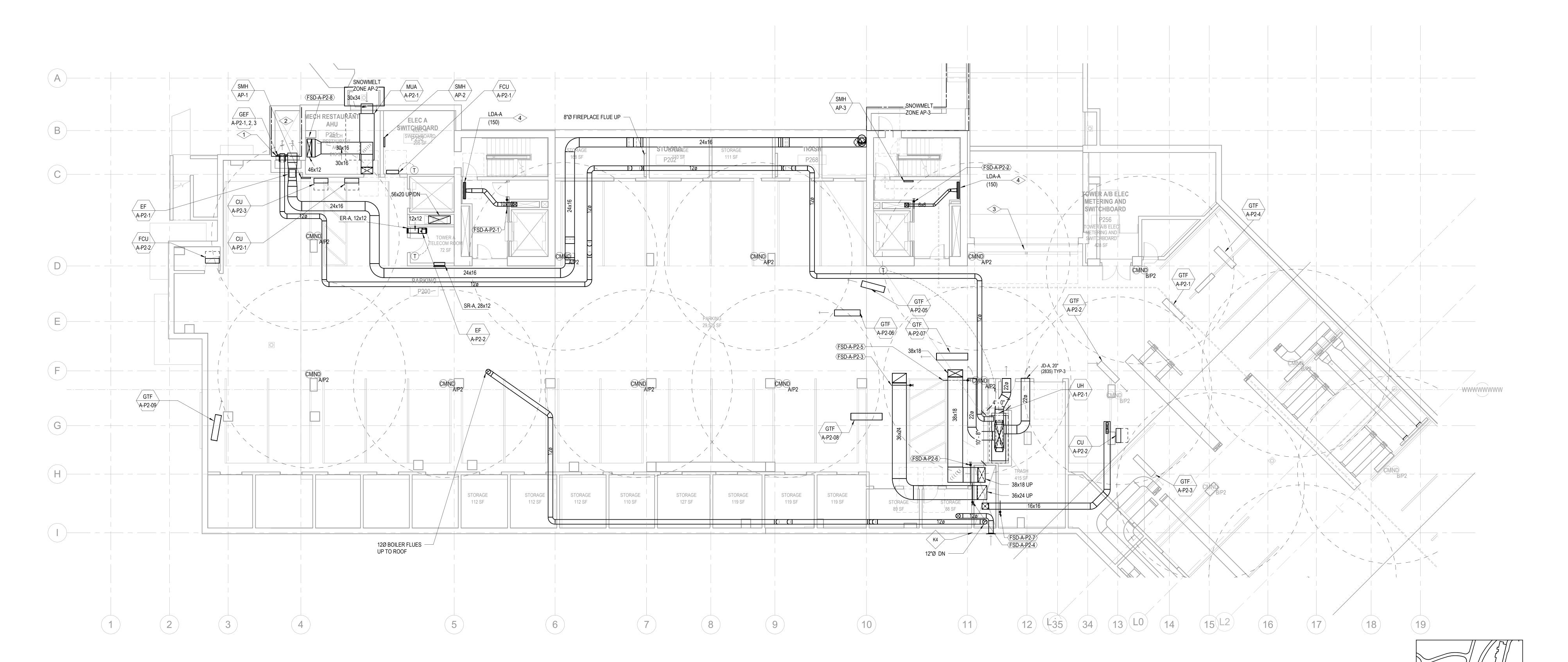
principal architect_____ checked by <u>Checker</u>

date 11/18/2022

no. date

ISSUE FOR CONSTRUCTION 11/18/2022

TOWER A - LVL P2 MECHANICAL DUCT PLAN M2.2A.02

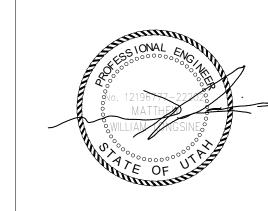


SHEET NOTES:

- REFER TO M2.4 SERIES FOR ENLARGED PLANS. B. FIREPLACE FLUE ROUTING SHOWN FOR REFERENCE. REFER TO ENLARGED UNIT PLANS FOR ROUTING
- MECHANICAL EQUIPMENT SHOWN FOR REFERENCE. REFER TO ENLARGED UNIT PLANS FOR DETAIL. ARCHITECT SHALL PROVIDE 1-SQFT NFA OPENINGS IN ALL FULL HEIGHT, NON-RATED WALLS FOR RETURN AIR PATHS IF NO DUCT TRANSFER IS SHOWN. ALL EQUIPMENT, INSULATION, WIRING, AND INFRASTRUCTURE IN THE PLENUM SHALL BE PLENUM RATED.
- FLEX DUCT SHAL NOT BE INSTALLED ABOVE FINISHED HARD-LID CEILINGS. PROVIDE BUTTON TYPE TEMPERATURE SENSOR IN PUBLIC AREAS. SEE DETAIL-13, SHEET M5.04 PROVIDE REMOTE CABLE DAMPER OPERATOR IN DIFFUSERS ABOVE HARD-LID CEILINGS. SEE DETAIL-9,
- SHEET M5.04 I. ALL CHILLED WATER AND HOT WATER BRANCH PIPING SHALL BE SIZED AT 1" FOR ALL FAN COIL UNITS.

NUMBERED NOTES:

- ROUTE CONDENSATE TO NEAREST SINK DRAIN AIR GAP FITTING. SEE 3/M5.04 GRILL AND DUCTWORK BACK TO BRANCH LINE SHALL BE STAINLESS STEEL CONSTRUCTION
- 3" FREE AIR GAP ALONG THIS WALL FOR RETURN AIR. SEE ARCH DRAWINGS



Reserved for permit stamp

• —

ASPEN GROUP Aspen Group USA, LLC PO Box 980022 Park City, Utah 84098

Pool Consultant
Cloward H20
2696 N University Ave, Suite 290
Provo, UT 84604

<u>Landscape Architect</u> **EPG Design**6949 South High Tech Drive, Suite 100
Midvale, Utah 84047 <u>Specifications Writer</u> **Friday Group** 88 Mainelli Road Middlebury, VT

Code Consultant
Holmes
600 1st Avenue, Suite 200A
Seattle, WA 98104

Fire Protection Engineer
Jensen Hughes
One Research Drive, Suite 305C
Westborough, MA 01581

Vertical Transportation Consulatant
Lerch Bates
19515 North Creek Parkway, Suite 304
Bothell, WA 98011

Structural Engineer

Magnusson Klemencic Associates
1301 5th Ave, Suite 3200
Seattle, WA 98101 <u>Lighting Designer</u> **O-**

1319 SE MLK Blvd, Suite 210 Portland, Oregon 97219 Building Envelope Consultant RDH

2101 N 34th St Seattle, WA 98103 Accessibility Consultant
Studio Pacifica
2144 Westlake Ave N, Suite F
Seattle, WA 98109

MEP Engineer
WSP USA 1001 Fourth Ave., Suite 3100 Seattle, WA 98154

> principal architect_____ project manager_____

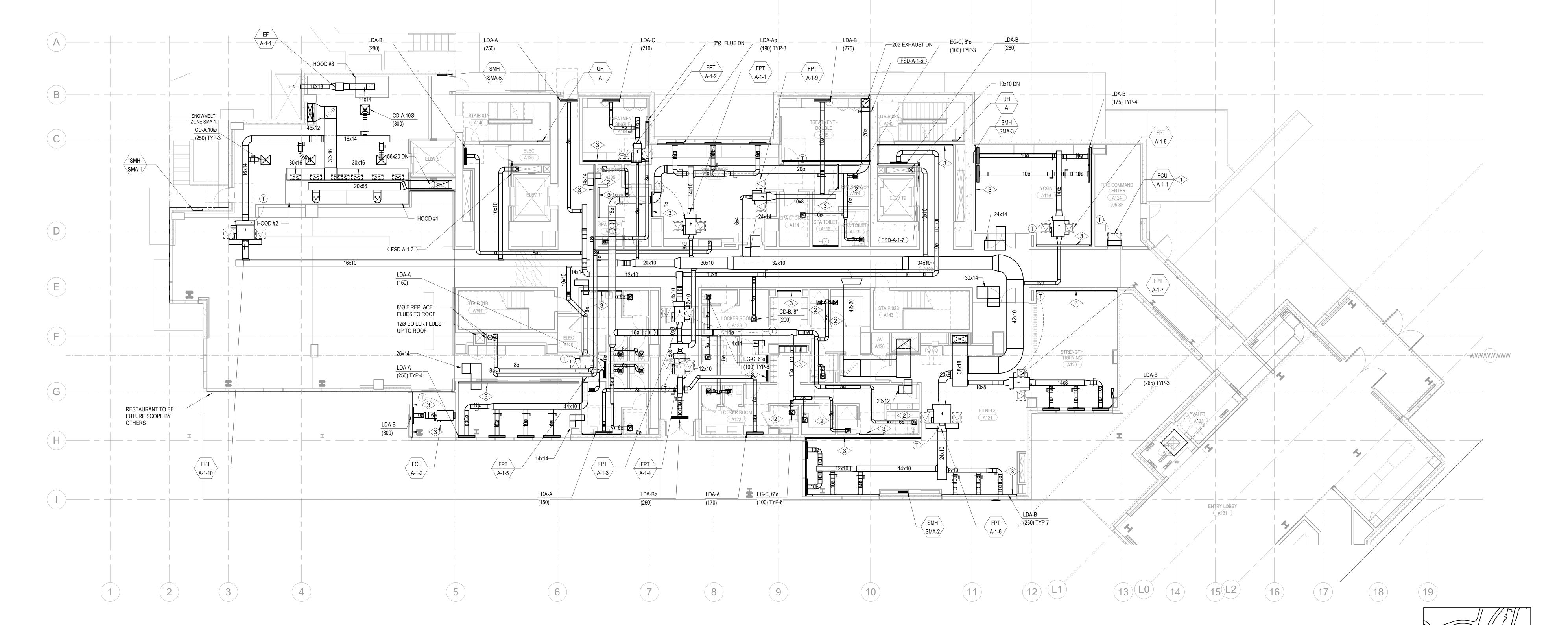
checked by <u>Checker</u>

no. date

ISSUE FOR CONSTRUCTION

11/18/2022

TOWER A - LVL 1 MECHANICAL DUCT PLAN M2.2A.11



1 TOWER A - LEVEL 1 MECHANICAL DUCT PLAN

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

A. REFER TO M2.4 SERIES FOR ENLARGED PLANS. B. FIREPLACE FLUE ROUTING SHOWN FOR REFERENCE. REFER TO ENLARGED UNIT PLANS FOR ROUTING

MECHANICAL EQUIPMENT SHOWN FOR REFERENCE. REFER TO ENLARGED UNIT PLANS FOR DETAIL.
ALL RESIDENTIAL TOILET EXHAUST, DRYER EXHAUST, AND KITCHEN RANGE HOOD EXHAUST TO BE PART
OF A SUB-DUCT EXHAUST SYSTEM.

NUMBERED NOTES:

Reserved for permit stamp

ASPEN GROUP Aspen Group USA, LLC PO Box 980022 Park City, Utah 84098

Pool Consultant
Cloward H20
2696 N University Ave, Suite 290
Provo, UT 84604 <u>Landscape Architect</u> **EPG Design**6949 South High Tech Drive, Suite 100
Midvale, Utah 84047

> Specifications Writer Friday Group 88 Mainelli Road Middlebury, VT Code Consultant
> Holmes
> 600 1st Avenue, Suite 200A
> Seattle, WA 98104

Fire Protection Engineer
Jensen Hughes
One Research Drive, Suite 305C
Westborough, MA 01581 Vertical Transportation Consulatant
Lerch Bates
19515 North Creek Parkway, Suite 304
Bothell, WA 98011

Structural Engineer

Magnusson Klemencic Associates
1301 5th Ave, Suite 3200
Seattle, WA 98101

<u>Lighting Designer</u> **O-**1319 SE MLK Blvd, Suite 210 Portland, Oregon 97219 Building Envelope Consultant RDH 2101 N 34th St Seattle, WA 98103

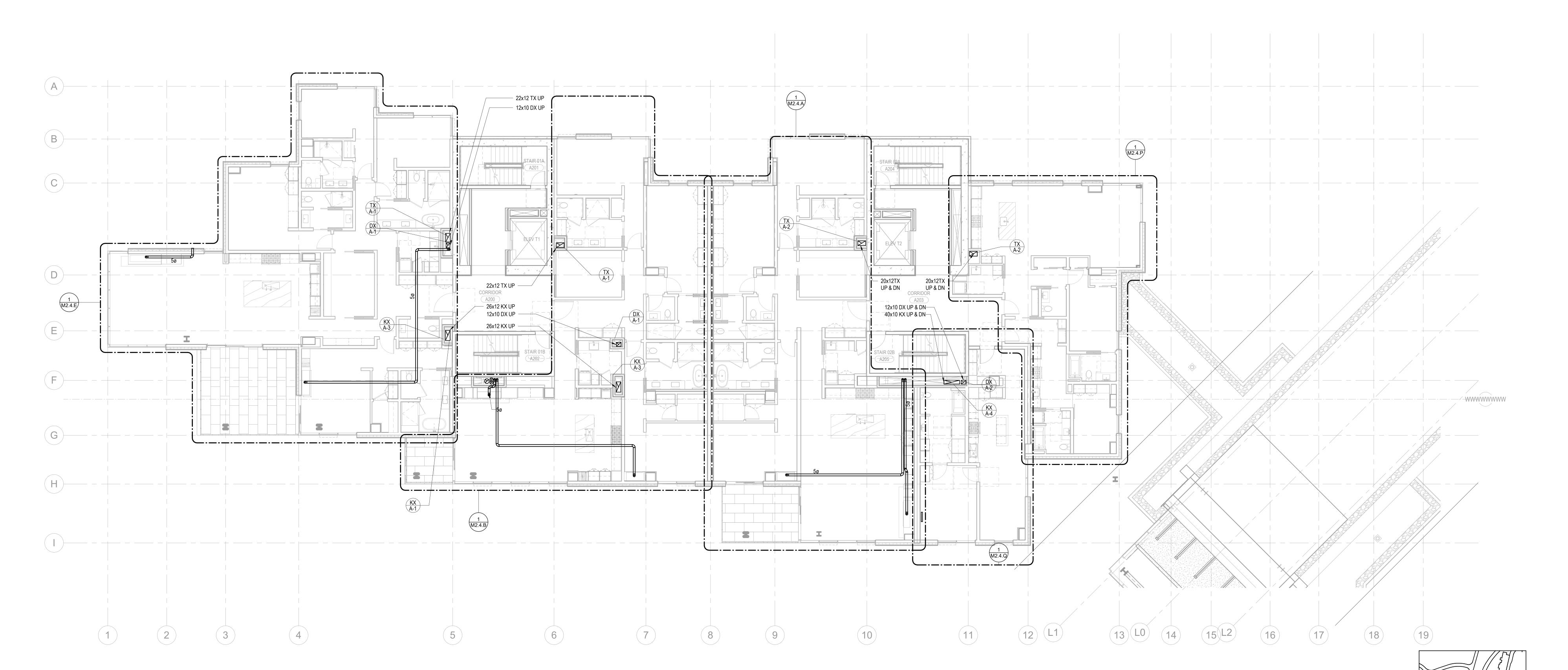
Accessibility Consultant
Studio Pacifica
2144 Westlake Ave N, Suite F
Seattle, WA 98109 MEP Engineer
WSP USA
1001 Fourth Ave., Suite 3100
Seattle, WA 98154

> principal architect_____ project manager_____ checked by <u>Checker</u>

no. date

ISSUE FOR CONSTRUCTION 11/18/2022

TOWER A - LVL 2 MECHANICAL DUCT PLAN M2.2A.12



1 TOWER A - LEVEL 2 MECHANICAL DUCT PLAN

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

NUMBERED NOTES:

A. REFER TO M2.4 SERIES FOR ENLARGED PLANS. B. FIREPLACE FLUE ROUTING SHOWN FOR REFERENCE. REFER TO ENLARGED UNIT PLANS FOR ROUTING

AND SIZING DETAIL. MECHANICAL EQUIPMENT SHOWN FOR REFERENCE. REFER TO ENLARGED UNIT PLANS FOR DETAIL.
ALL RESIDENTIAL TOILET EXHAUST, DRYER EXHAUST, AND KITCHEN RANGE HOOD EXHAUST TO BE PART
OF A SUB-DUCT EXHAUST SYSTEM.

Reserved for permit stamp

ASPEN GROUP Aspen Group USA, LLC PO Box 980022 Park City, Utah 84098

Pool Consultant
Cloward H20
2696 N University Ave, Suite 290
Provo, UT 84604 <u>Landscape Architect</u> **EPG Design**6949 South High Tech Drive, Suite 100
Midvale, Utah 84047 Specifications Writer Friday Group 88 Mainelli Road Middlebury, VT Code Consultant
Holmes
600 1st Avenue, Suite 200A
Seattle, WA 98104 Fire Protection Engineer
Jensen Hughes
One Research Drive, Suite 305C
Westborough, MA 01581 Vertical Transportation Consulatant
Lerch Bates
19515 North Creek Parkway, Suite 304
Bothell, WA 98011 Structural Engineer

Magnusson Klemencic Associates
1301 5th Ave, Suite 3200
Seattle, WA 98101 <u>Lighting Designer</u> **O-**1319 SE MLK Blvd, Suite 210 Portland, Oregon 97219

Building Envelope Consultant RDH

Accessibility Consultant
Studio Pacifica
2144 Westlake Ave N, Suite F
Seattle, WA 98109

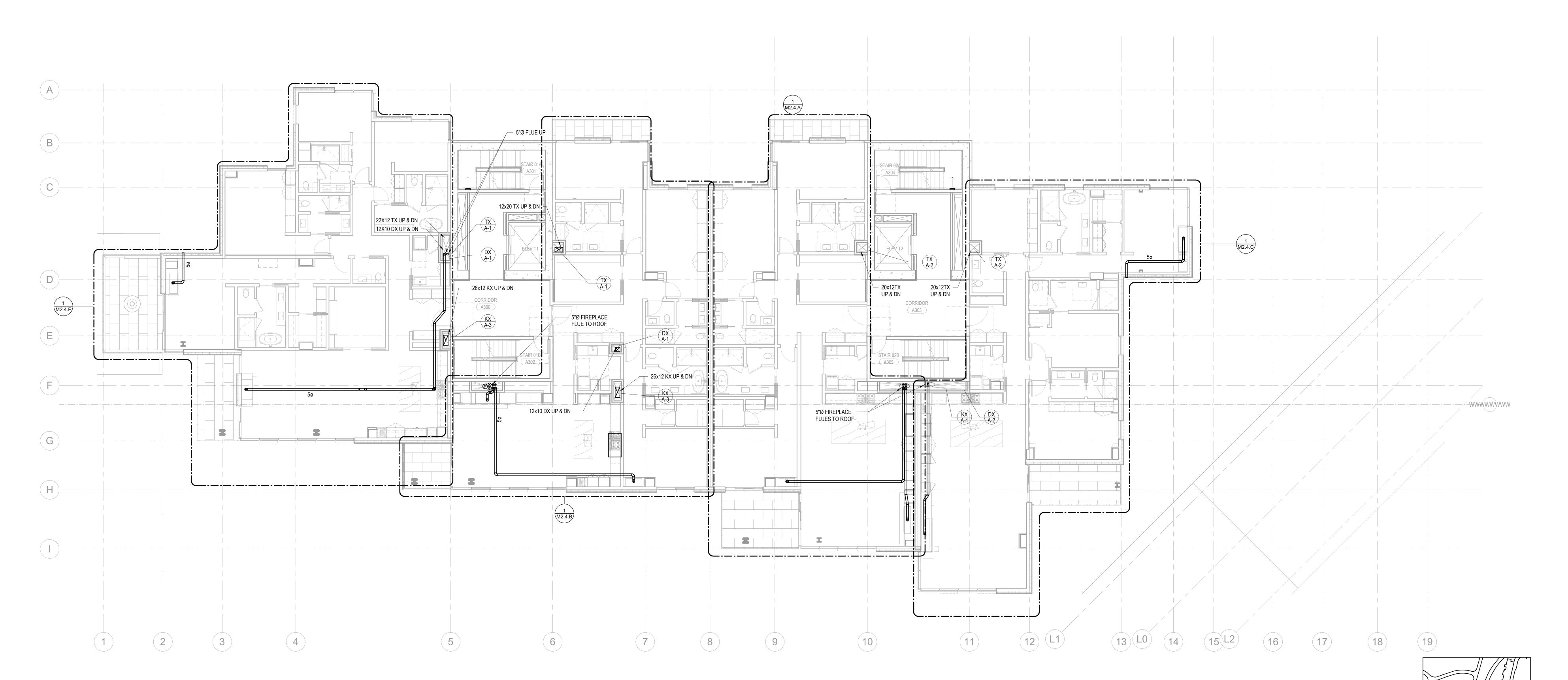
2101 N 34th St Seattle, WA 98103

MEP Engineer
WSP USA
1001 Fourth Ave., Suite 3100
Seattle, WA 98154 principal architect_____ project manager_____ checked by <u>Checker</u>

> ISSUE FOR CONSTRUCTION 11/18/2022

no. date

TOWER A - LVL 3 MECHANICAL DUCT PLAN M2.2A.13



1 TOWER A - LEVEL 3 MECHANICAL DUCT PLAN

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

A. REFER TO M2.4 SERIES FOR ENLARGED PLANS.

B. FIREPLACE FLUE ROUTING SHOWN FOR REFERENCE. REFER TO ENLARGED UNIT PLANS FOR ROUTING AND SIZING DETAIL.
 C. MECHANICAL EQUIPMENT SHOWN FOR REFERENCE. REFER TO ENLARGED UNIT PLANS FOR DETAIL.

C. MECHANICAL EQUIPMENT SHOWN FOR REFERENCE. REFER TO ENLARGED UNIT PLANS FOR DETAIL.

D. ALL RESIDENTIAL TOILET EXHAUST, DRYER EXHAUST, AND KITCHEN RANGE HOOD EXHAUST TO BE PART OF A SUB-DUCT EXHAUST SYSTEM.

SONONAL SAGONAL SAGONA

Reserved for permit stamp

159 South Jackson St, Suite 600 Seattle, Washington 98104 USA +1 206 624 5670 olsonkundig.com

son Kundig

SOMMET BLA
9300 Marsac Ave (B2



Pool Consultant
Cloward H20
2696 N University Ave, Suite 290
Provo, UT 84604

Landscape Architect
EPG Design
6949 South High Tech Drive, Suite 100
Midvale, Utah 84047

Specifications Writer
Friday Group
88 Mainelli Road
Middlebury, VT

Code Consultant
Holmes
600 1st Avenue, Suite 200A
Seattle, WA 98104

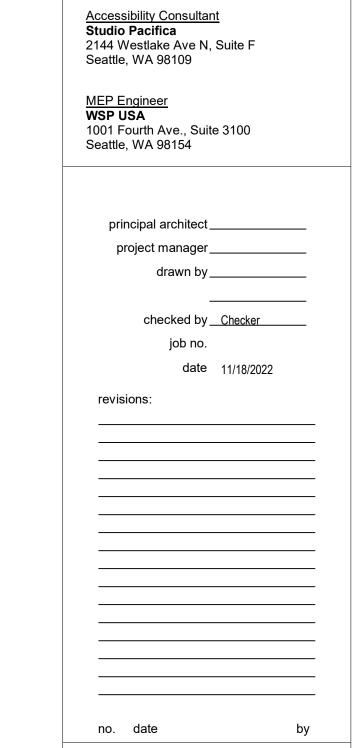
Fire Protection Engineer
Jensen Hughes
One Research Drive, Suite 305C
Westborough, MA 01581

Vertical Transportation Consulatant
Lerch Bates
19515 North Creek Parkway, Suite 304
Bothell, WA 98011

Structural Engineer
Magnusson Klemencic Associates
1301 5th Ave, Suite 3200
Seattle, WA 98101

Lighting Designer
O1319 SE MLK Blvd, Suite 210
Portland, Oregon 97219

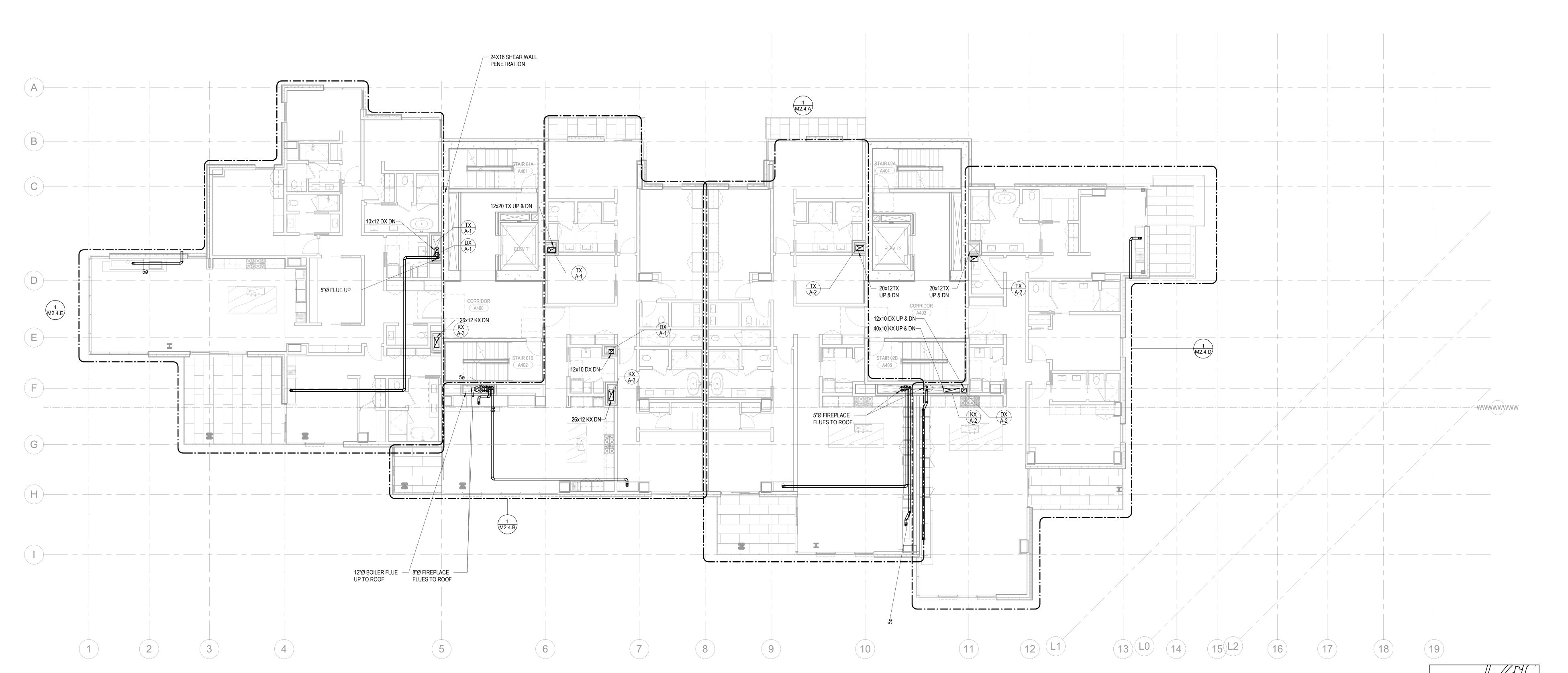
Building Envelope Consultant
RDH
2101 N 34th St
Seattle, WA 98103



ISSUE FOR CONSTRUCTION 11/18/2022

TOWER A - LVL 4
MECHANICAL DUCT
PLAN

M2.2A.14



1 TOWER A - LEVEL 4 MECHANICAL DUCT PLAN

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

NUMBERED NOTES:

- A. REFER TO M2.4 SERIES FOR ENLARGED PLANS. B. FIREPLACE FLUE ROUTING SHOWN FOR REFERENCE. REFER TO ENLARGED UNIT PLANS FOR ROUTING
- MECHANICAL EQUIPMENT SHOWN FOR REFERENCE. REFER TO ENLARGED UNIT PLANS FOR DETAIL.
 ALL RESIDENTIAL TOILET EXHAUST, DRYER EXHAUST, AND KITCHEN RANGE HOOD EXHAUST TO BE PART
 OF A SUB-DUCT EXHAUST SYSTEM.

Reserved for permit stamp

ASPEN GROUP Aspen Group USA, LLC PO Box 980022 Park City, Utah 84098

Pool Consultant
Cloward H20
2696 N University Ave, Suite 290
Provo, UT 84604 <u>Landscape Architect</u> **EPG Design**6949 South High Tech Drive, Suite 100
Midvale, Utah 84047 Specifications Writer Friday Group 88 Mainelli Road Middlebury, VT Code Consultant
Holmes
600 1st Avenue, Suite 200A
Seattle, WA 98104 Fire Protection Engineer
Jensen Hughes
One Research Drive, Suite 305C
Westborough, MA 01581 Vertical Transportation Consulatant
Lerch Bates
19515 North Creek Parkway, Suite 304
Bothell, WA 98011 Structural Engineer

Magnusson Klemencic Associates
1301 5th Ave, Suite 3200
Seattle, WA 98101 <u>Lighting Designer</u> **O-**1319 SE MLK Blvd, Suite 210 Portland, Oregon 97219

Building Envelope Consultant RDH

Accessibility Consultant
Studio Pacifica
2144 Westlake Ave N, Suite F
Seattle, WA 98109

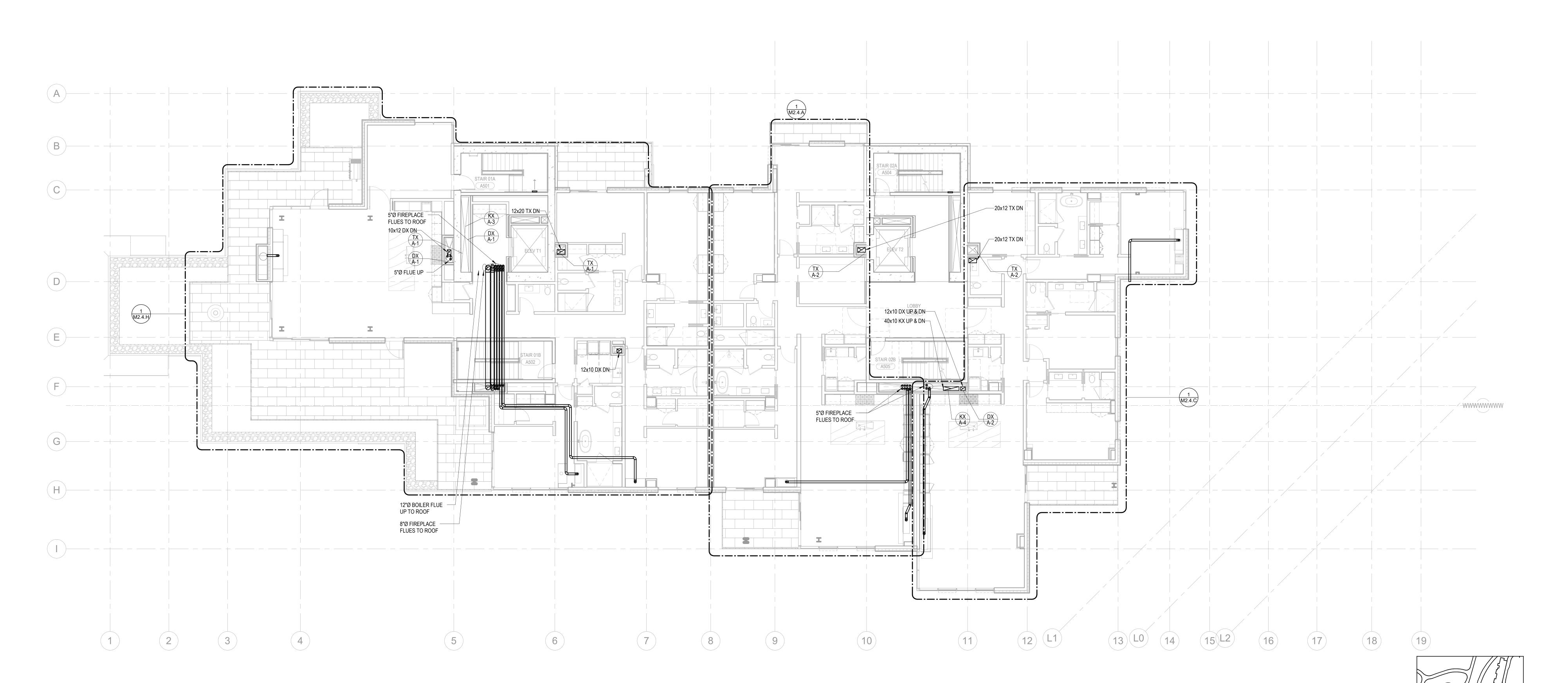
2101 N 34th St Seattle, WA 98103

MEP Engineer
WSP USA
1001 Fourth Ave., Suite 3100
Seattle, WA 98154 principal architect_____ project manager_____ checked by <u>Checker</u> date 11/18/2022

no. date

ISSUE FOR CONSTRUCTION 11/18/2022

TOWER A - LVL 5 MECHANICAL DUCT PLAN M2.2A.15



1 TOWER A - LEVEL 5 MECHANICAL DUCT PLAN

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

A. REFER TO M2.4 SERIES FOR ENLARGED PLANS.B. FIREPLACE FLUE ROUTING SHOWN FOR REFERENCE. REFER TO ENLARGED UNIT PLANS FOR ROUTING

AND SIZING DETAIL.

C. MECHANICAL EQUIPMENT SHOWN FOR REFERENCE. REFER TO ENLARGED UNIT PLANS FOR DETAIL.

D. ALL RESIDENTIAL TOILET EXHAUST, DRYER EXHAUST, AND KITCHEN RANGE HOOD EXHAUST TO BE PART OF A SUB-DUCT EXHAUST SYSTEM.

MATTHEO

SWILLIAM MGSINE

OF

OF

THE OF

THE

Reserved for permit stamp

uth Jackson St, Suite 600 , Washington 98104 USA 24 5670 olsonkundig.com

Ison Kundig

SOMMET BLANC
9300 Marsac Ave (B2 East |



Pool Consultant
Cloward H20
2696 N University Ave, Suite 290
Provo, UT 84604

Landscape Architect
EPG Design
6949 South High Tech Drive, Suite 100
Midvale, Utah 84047

Specifications Writer
Friday Group
88 Mainelli Road
Middlebury, VT

Code Consultant
Holmes
600 1st Avenue, Suite 200A
Seattle, WA 98104

Fire Protection Engineer
Jensen Hughes
One Research Drive, Suite 305C
Westborough, MA 01581

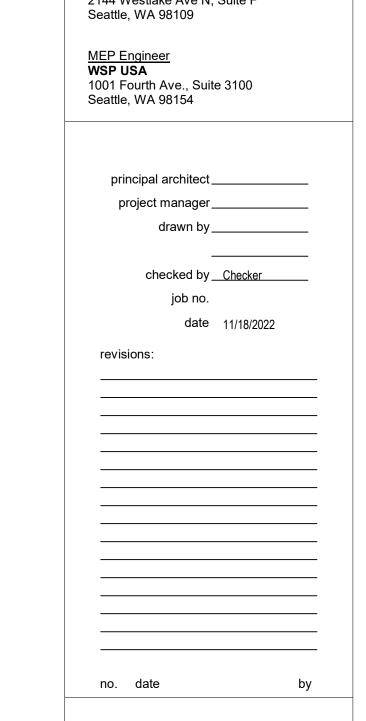
Vertical Transportation Consulatant
Lerch Bates
19515 North Creek Parkway, Suite 304
Bothell, WA 98011

Structural Engineer
Magnusson Klemencic Associates
1301 5th Ave, Suite 3200
Seattle, WA 98101

Lighting Designer
O1319 SE MLK Blvd, Suite 210
Portland, Oregon 97219

Building Envelope Consultant
RDH
2101 N 34th St
Seattle, WA 98103

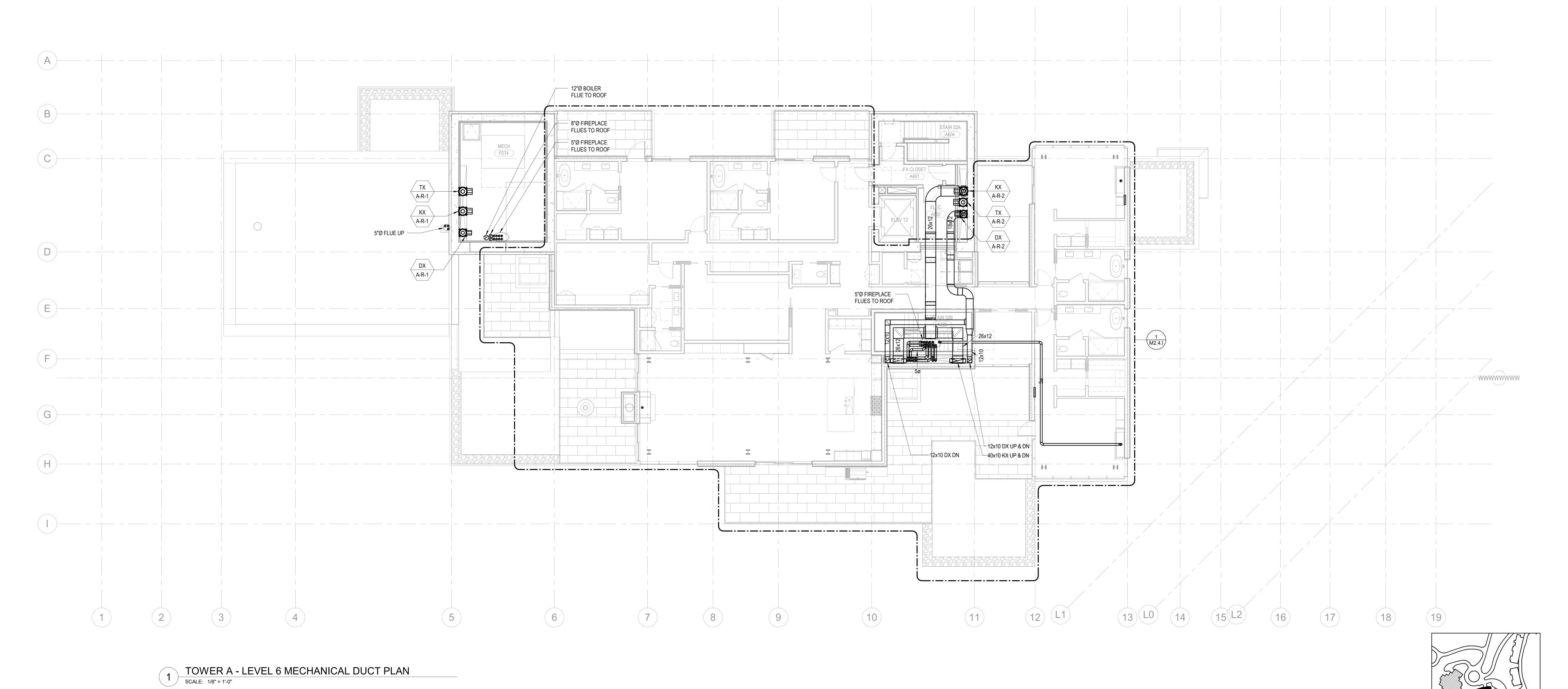
Accessibility Consultant
Studio Pacifica
2144 Westlake Ave N, Suite F
Seattle, WA 98109



ISSUE FOR CONSTRUCTION 11/18/2022

TOWER A - LVL 6
MECHANICAL DUCT
PLAN

M2.2A.16



SHEET NOTES:

***** NUMBERED NOTES:

A. REFER TO M2.4 SERIES FOR ENLARGED PLANS. B. FIREPLACE FLUE ROUTING SHOWN FOR REFERENCE. REFER TO ENLARGED UNIT PLANS FOR ROUTING

AND SIZING DETAIL. C. MECHANICAL EQUIPMENT SHOWN FOR REFERENCE. REFER TO ENLARGED UNIT PLANS FOR DETAIL.

ARCHITECTURAL DRAWINGS FOR DETAIL.

1 36-INCH TALL LOUVER FOR ASHP AIR INTAKE PROVIDED AROUND TOP OF ENTIRE MECHANICAL WELL. SEE

Reserved for permit stamp

• —

ASPEN GROUP Aspen Group USA, LLC PO Box 980022 Park City, Utah 84098

Pool Consultant
Cloward H20
2696 N University Ave, Suite 290
Provo, UT 84604

<u>Landscape Architect</u> **EPG Design**6949 South High Tech Drive, Suite 100
Midvale, Utah 84047 Specifications Writer Friday Group 88 Mainelli Road Middlebury, VT

Code Consultant
Holmes
600 1st Avenue, Suite 200A
Seattle, WA 98104 Fire Protection Engineer
Jensen Hughes
One Research Drive, Suite 305C
Westborough, MA 01581

Vertical Transportation Consulatant
Lerch Bates
19515 North Creek Parkway, Suite 304
Bothell, WA 98011

Structural Engineer

Magnusson Klemencic Associates
1301 5th Ave, Suite 3200
Seattle, WA 98101

<u>Lighting Designer</u> **O-**1319 SE MLK Blvd, Suite 210 Portland, Oregon 97219 Building Envelope Consultant RDH 2101 N 34th St Seattle, WA 98103

Accessibility Consultant
Studio Pacifica
2144 Westlake Ave N, Suite F
Seattle, WA 98109 MEP Engineer
WSP USA
1001 Fourth Ave., Suite 3100
Seattle, WA 98154

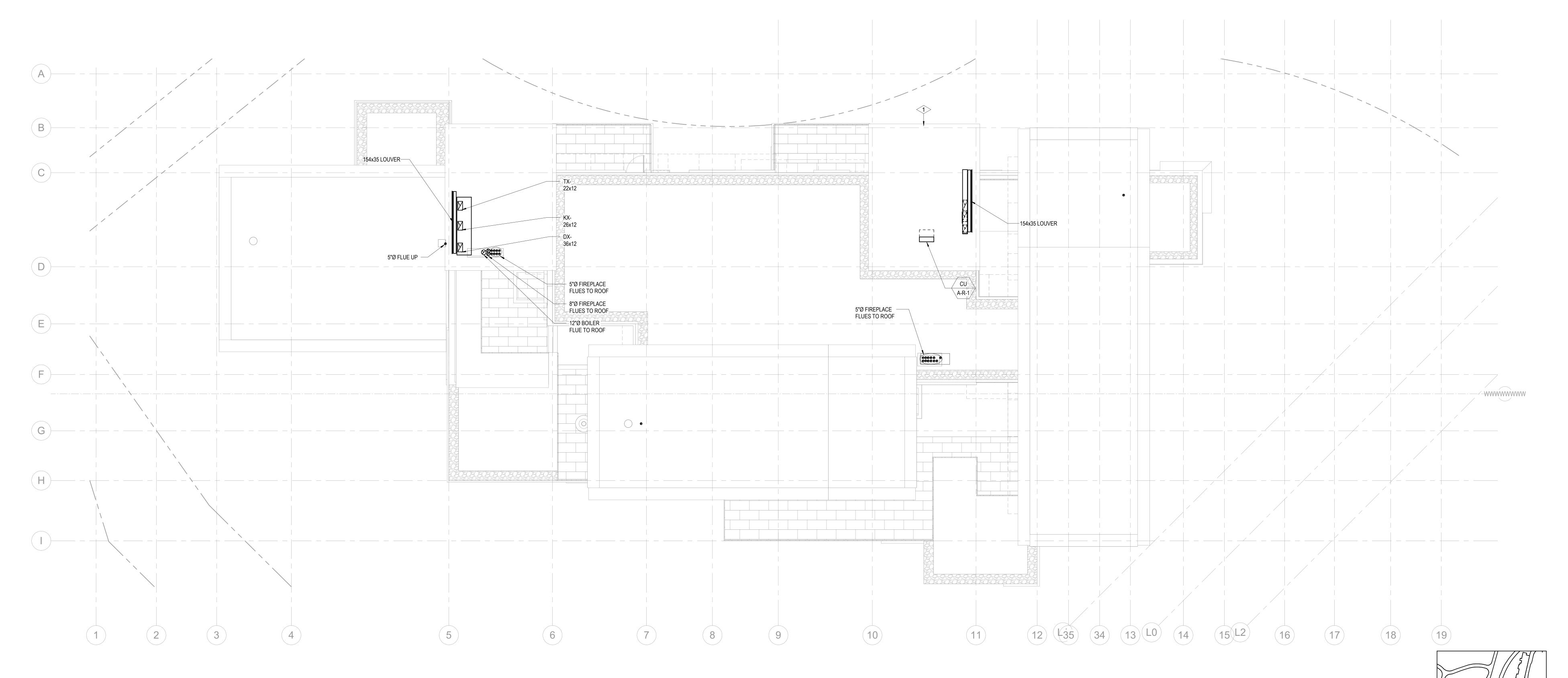
> principal architect_____ project manager_____ checked by <u>Checker</u> job no.

date 11/18/2022

no. date

ISSUE FOR CONSTRUCTION 11/18/2022

TOWER A - ROOF MECHANICAL DUCT PLAN M2.2A.R



1 TOWER A - ROOF MECHANICAL DUCT PLAN

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