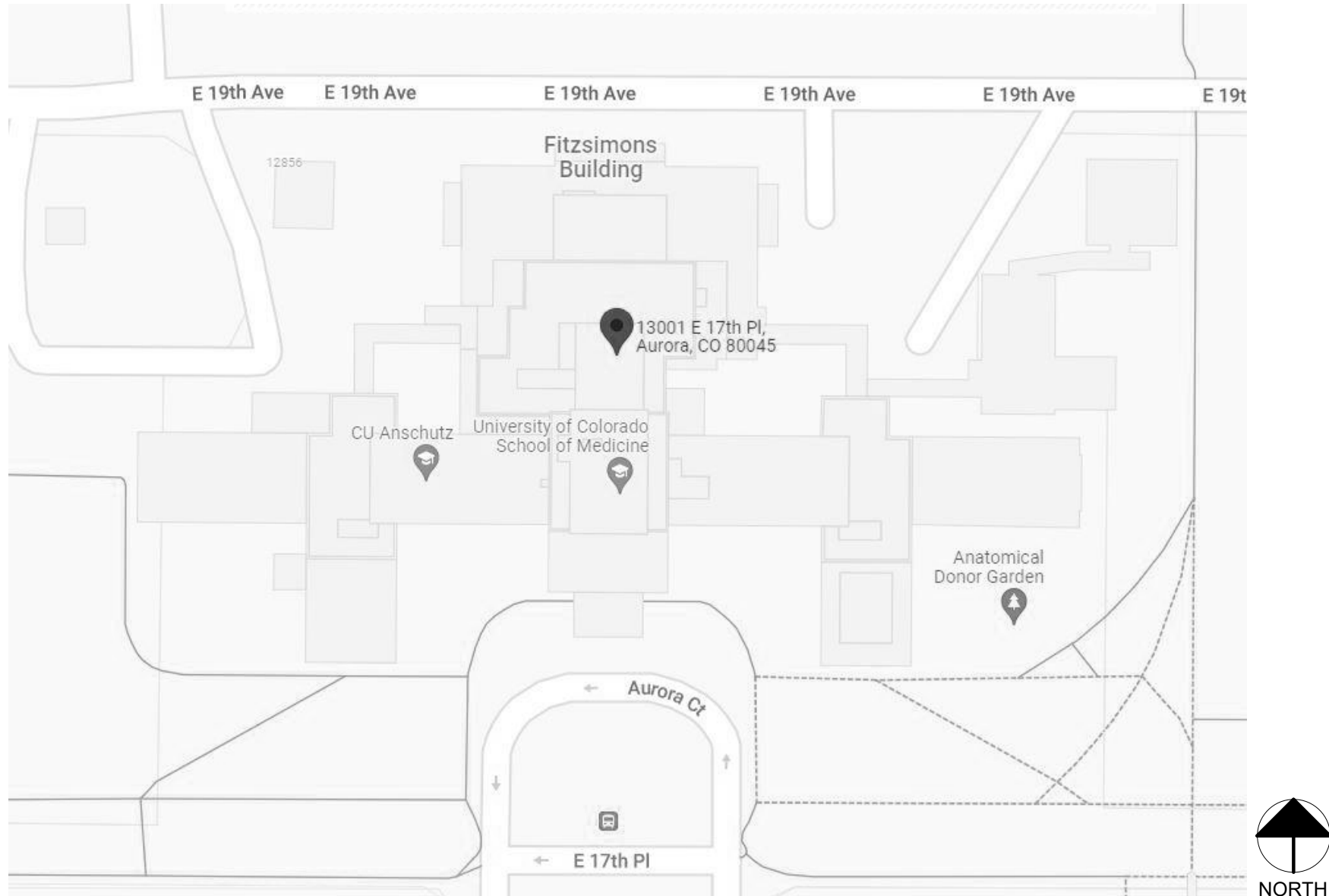


MMJOB #: 22.0622.S.01
DESIGNERS: IZAAK BARELA
PRINCIPAL: ANDREW EMMONS
EOR: Enter EOR's Name Here
PROJECT MANAGER: FUMIYOSHI HIROSE
LEAD REVIT TECH: MIKE MATA
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CU ANSCHUTZ - FITZSIMONS BUILDING - FACADE ACCESS/FALL PROTECTION

AURORA, COLORADO 80045

M/M PROJECT NO. 23.0491.S.01



VICINITY MAP



AERIAL MAP

CONSULTANT:



12499 West Colfax Avenue
303.431.6100
Lakewood, Colorado 80215
martinmartin.com

CONTACT: ANDREW EMMONS, PE 303-431-6100

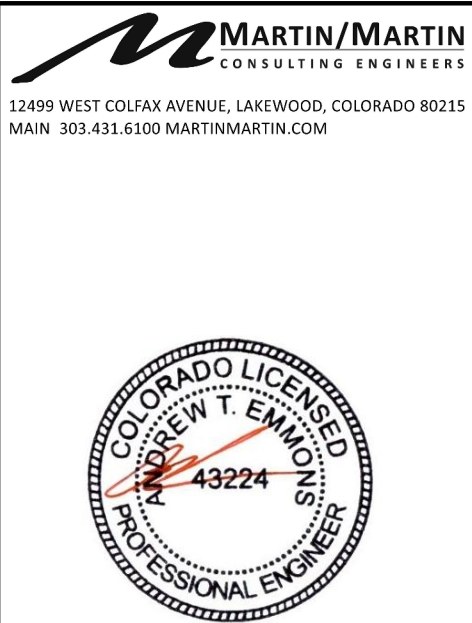
SCOPE OF WORK:

- NEW PERMANENT FACADE ACCESS ROOF ANCHORS AT VARIOUS LOCATIONS
- PHASE 1

BUILDING INFORMATION:

BUILDING: FITZSIMONS BUILDING
ADDRESS: 13001 EAST 17TH PLACE, AURORA, CO 80045

Sheet List	
Sheet Number	Sheet Name
S-0.0	FALL PROTECTION GENERAL NOTES
S-1.0	OVERALL ROOF PLAN
S-1.1	PARTIAL ROOF PLAN
S-1.2	PARTIAL ROOF PLAN
S-1.3	PARTIAL ROOF PLAN
S-1.4	PARTIAL ROOF PLAN
S-3.0	TYPICAL FALL PROTECTION DETAILS



Fitzsimons Building - Facade Access Roof
Anchors And Fall Protection (Phase 1)
13001 East 17th Place
Aurora, CO 80045

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SHEET TITLE:
COVER SHEET
SHEET NUMBER:
S

MM JOB #: 22.0622.S.01
PRINCIPAL: ANDREW EMMONS
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PROJECT MANAGER: FUMI OSHI HIROSE
DESIGNERS: IZAAK BARELA
LEAD REVIT TECH: MIKE MATA
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FITZSIMONS BUILDING - OVERALL ROOF PLAN

NO SCALE

REGULATIONS AND STANDARDS

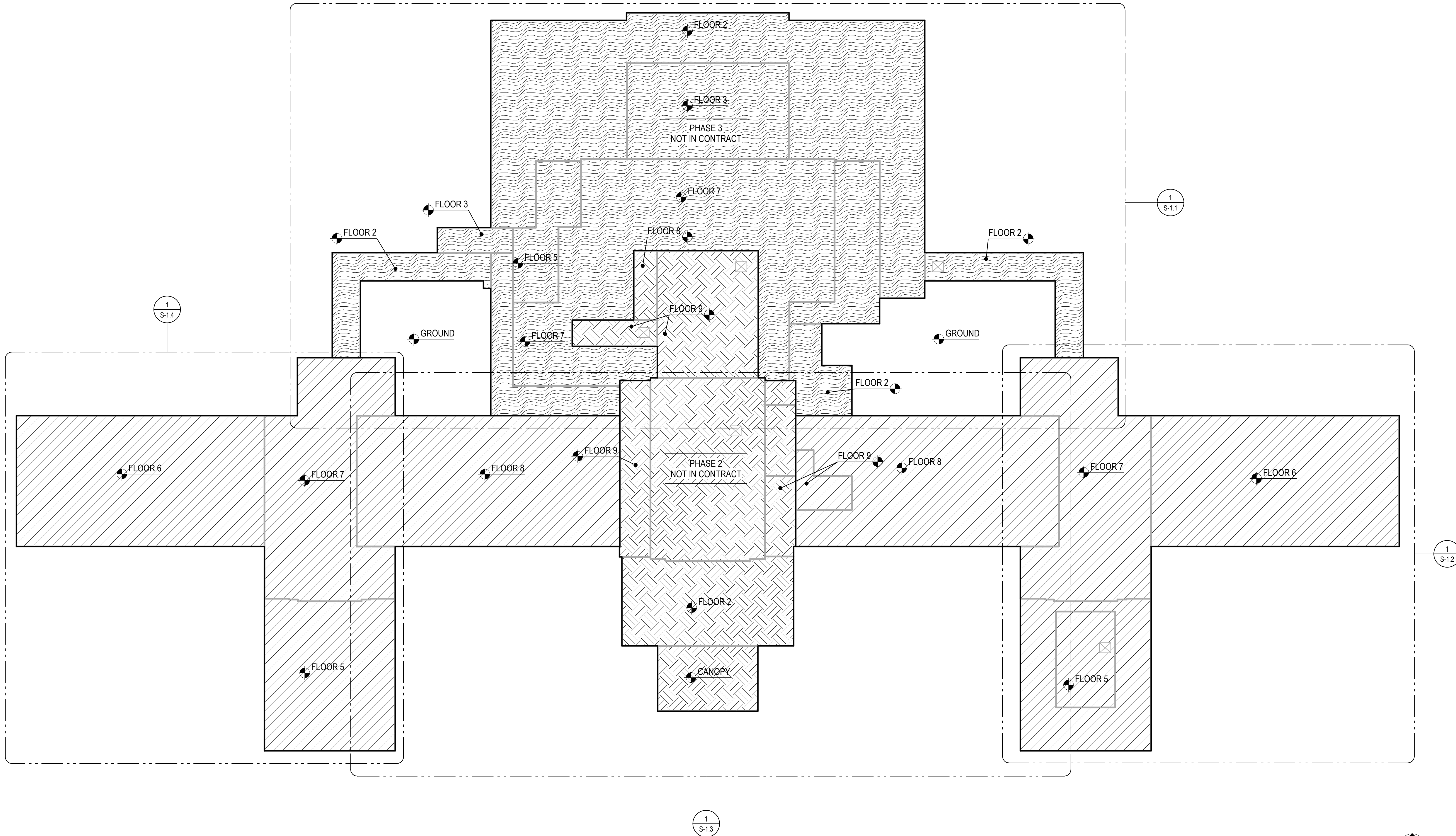
1. OSHA 1910 - GENERAL INDUSTRY
2. OSHA 1926 - CONSTRUCTION INDUSTRY
3. IWCA 1-14.1 - WINDOW CLEANING SAFETY STANDARD
4. ANSI Z359 - CURRENT VERSION SAFETY STANDARD FOR FALL PROTECTION EQUIPMENT

STATEMENT OF RESPONSIBILITY

IT IS THE RESPONSIBILITY OF THE USER TO ENSURE THE ANCHORAGES SHOWN ARE BEING UTILIZED IN ACCORDANCE WITH ALL APPLICABLE OSHA AND ANSI STANDARDS AND WITHIN THE LOAD LIMITATIONS IDENTIFIED ON THIS PLAN.

CONSTRUCTION SEQUENCE

- INDICATES PHASE 1
- INDICATES PHASE 2 (NOT IN CONTRACT)
- INDICATES PHASE 3 (NOT IN CONTRACT)



AERIAL VIEW



VICINITY MAP

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SHEET TITLE:
OVERALL ROOF PLAN

SHEET NUMBER:
S-1.0

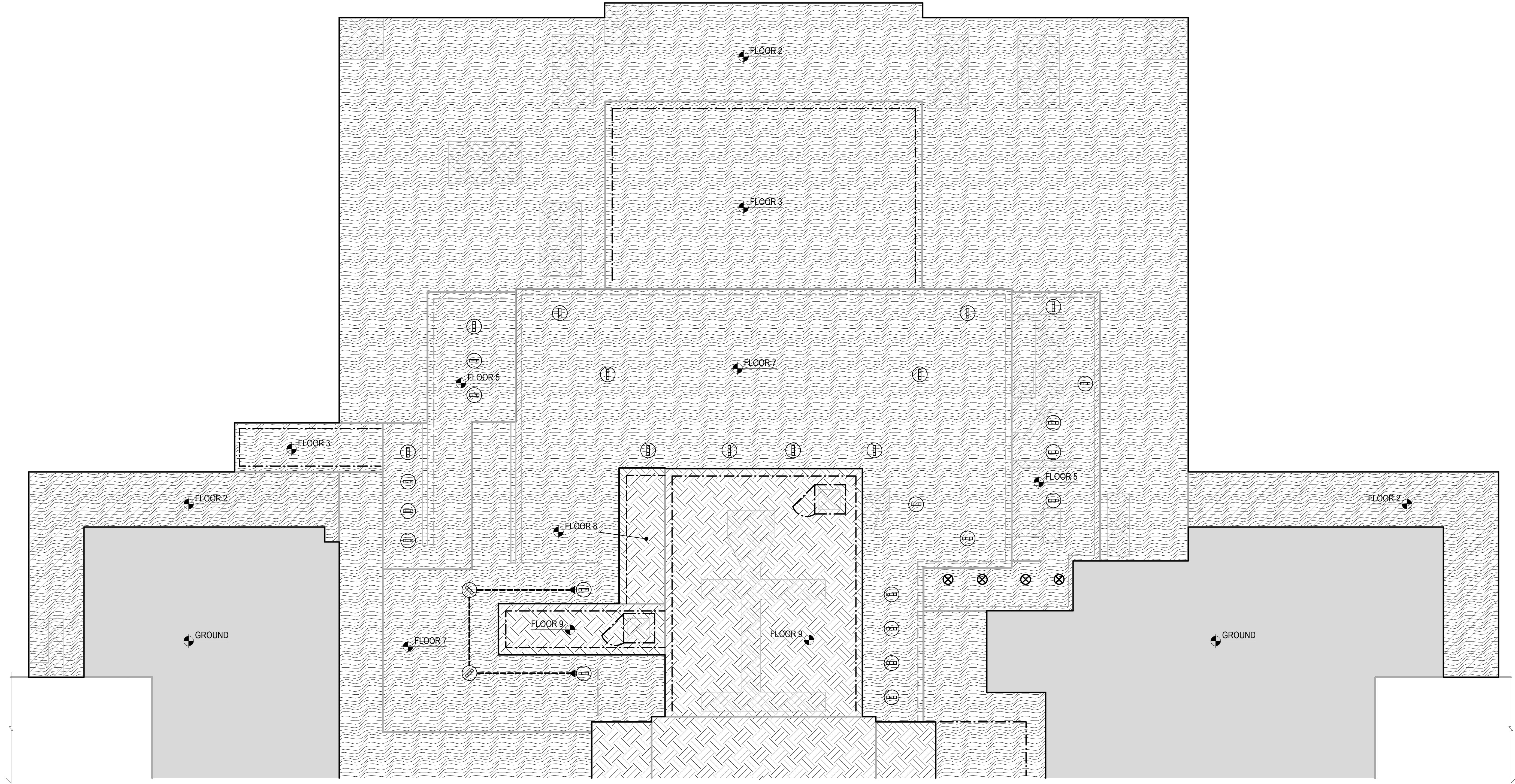
Fitzsimons Building - Facade Access Roof Anchors And Fall Protection (Phase 1)

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Aurora, CO 80045

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CONSULTING ENGINEERS
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MAIN 303.431.6100 MARTINMARTIN.COM



MM JOB #: 22.0622.S.01
PRINCIPAL: ANDREW EMMONS
EQP. Entry EOP's Name Here
PROJECT MANAGER: FUMI OSHI HIROSE
DESIGNERS: IZAAK BARELA
LEAD REVIT TECH: MIKE MATA
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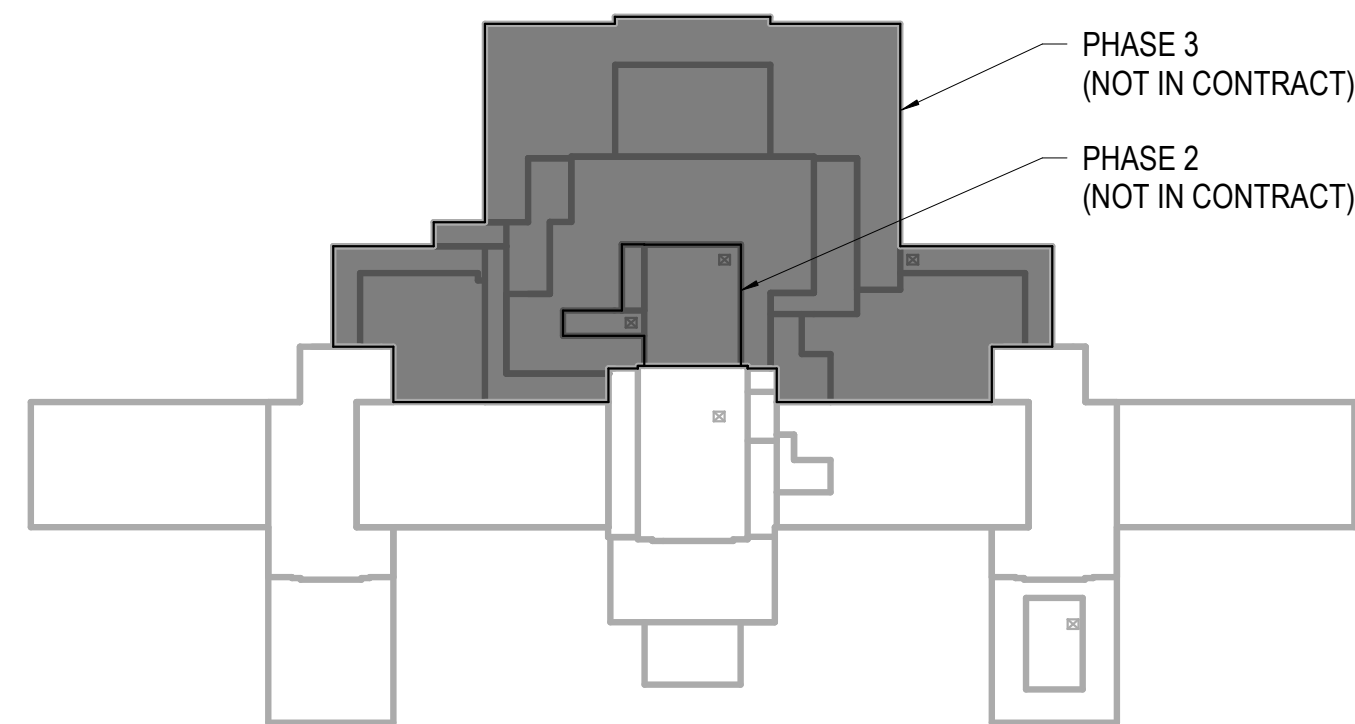
1 FITZSIMONS BUILDING - PARTIAL ROOF PLAN (NOT IN CONTRACT)
NOT TO SCALE

GENERAL INFORMATION

1. FUTURE WORK, NOT IN CONTRACT

CONSTRUCTION SEQUENCE

- INDICATES PHASE 2 (NOT IN CONTRACT)
-INDICATES PHASE 3 (NOT IN CONTRACT)



KEY PLAN



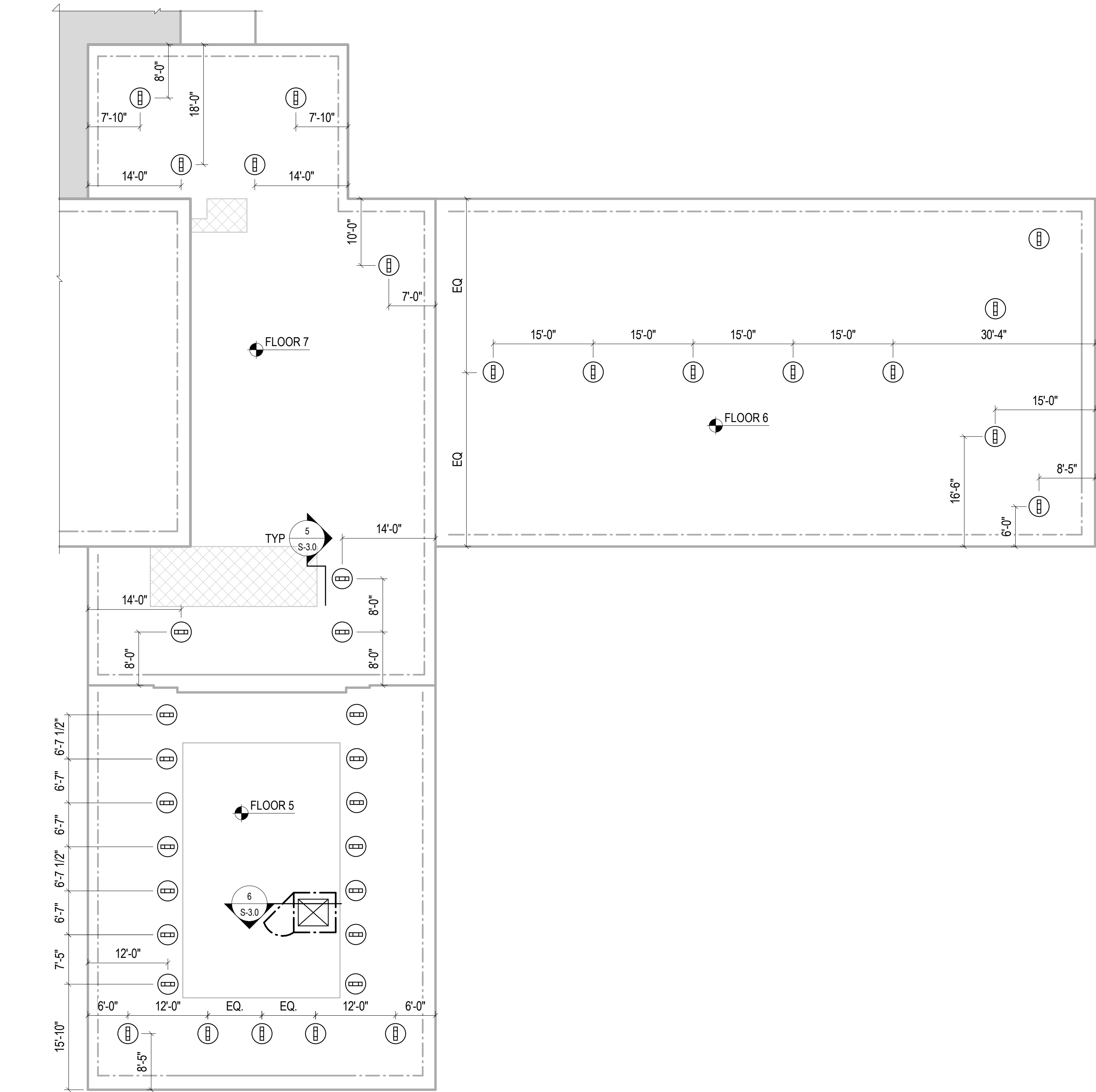
**Fitzsimons Building - Facade Access Roof
Anchors And Fall Protection (Phase 1)**

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Aurora, CO 80045

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SHEET TITLE:
**PARTIAL ROOF
PLAN**
SHEET NUMBER:
S-1.1

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PRINCIPAL: ANDREW EMMONS
EQD: Enter EOP's Name Here
PROJECT MANAGER: FUMIT OSHI HIROSE
DESIGNERS: IZAAK BARELA
LEAD REVIT TECH: MIKE MATA
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1 FITZSIMONS BUILDING - PARTIAL ROOF PLAN

3/32" = 1'-0"

GENERAL INFORMATION

- BUILDING HEIGHT - APPROX 150'-0"
- NUMBER OF FLOORS - 9
- TIE-BACK ANCHOR RATING = 1,250 LBS, ANCHOR DESIGN LOAD = 5,000 LBS ULTIMATE (4:1 SAFETY FACTOR)
 - TIE-BACK ANCHOR AND ORIENTATION SHOWN ON PLAN THUS:
- EXISTING GUARDRAIL NOTED ON PLAN SHOWN THUS:
- SELF-CLOSING GATE SHOWN ON PLAN THUS:
- THE DIMENSIONS NOTED ON PLAN ARE APPROXIMATE LOCATION OF THE ANCHORS. GC TO VERIFY ANCHORS ARE INSTALLED ON STRUCTURAL BEAMS AS SHOWN ON DETAILS
- GC TO COORD WITH AVI ROOFING / WEATHERSURE SYSTEMS TO MAINTAIN ROOFING WARRANTY
- ALL PHASES SHOWN FOR CLARITY. CURRENT WORK ONLY INCLUDES PHASE 1 WORK.

REGULATIONS AND STANDARDS

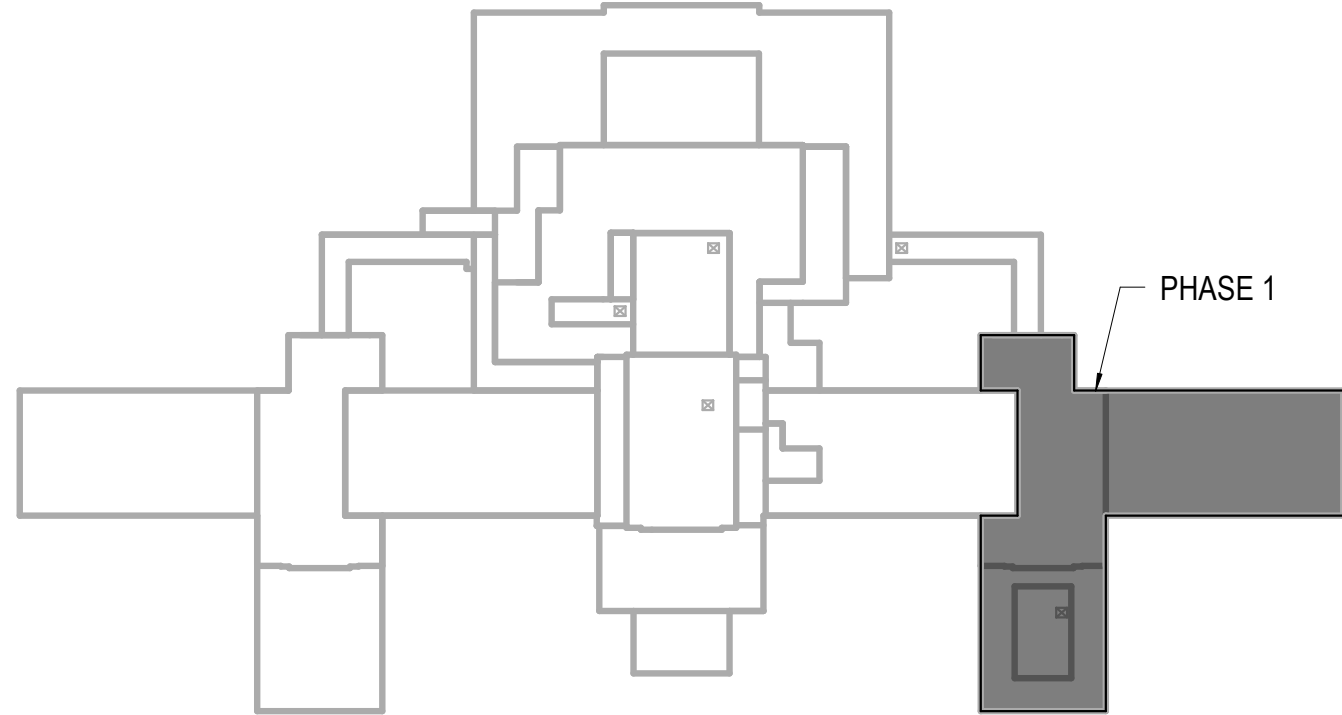
- OSHA 1910 - GENERAL INDUSTRY
- OSHA 1926 - CONSTRUCTION INDUSTRY
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- ANSI Z359 - CURRENT VERSION SAFETY STANDARD FOR FALL PROTECTION EQUIPMENT

STATEMENT OF RESPONSIBILITY

IT IS THE RESPONSIBILITY OF THE USER TO ENSURE THE ANCHORAGES SHOWN ARE BEING UTILIZED IN ACCORDANCE WITH ALL APPLICABLE OSHA AND ANSI STANDARDS AND WITHIN THE LOAD LIMITATIONS IDENTIFIED ON THIS PLAN.

REGION DESCRIPTION

-INDICATES MECHANICAL UNIT



KEY PLAN

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SHEET TITLE:
PARTIAL ROOF
PLAN

SHEET NUMBER:
S-1.2

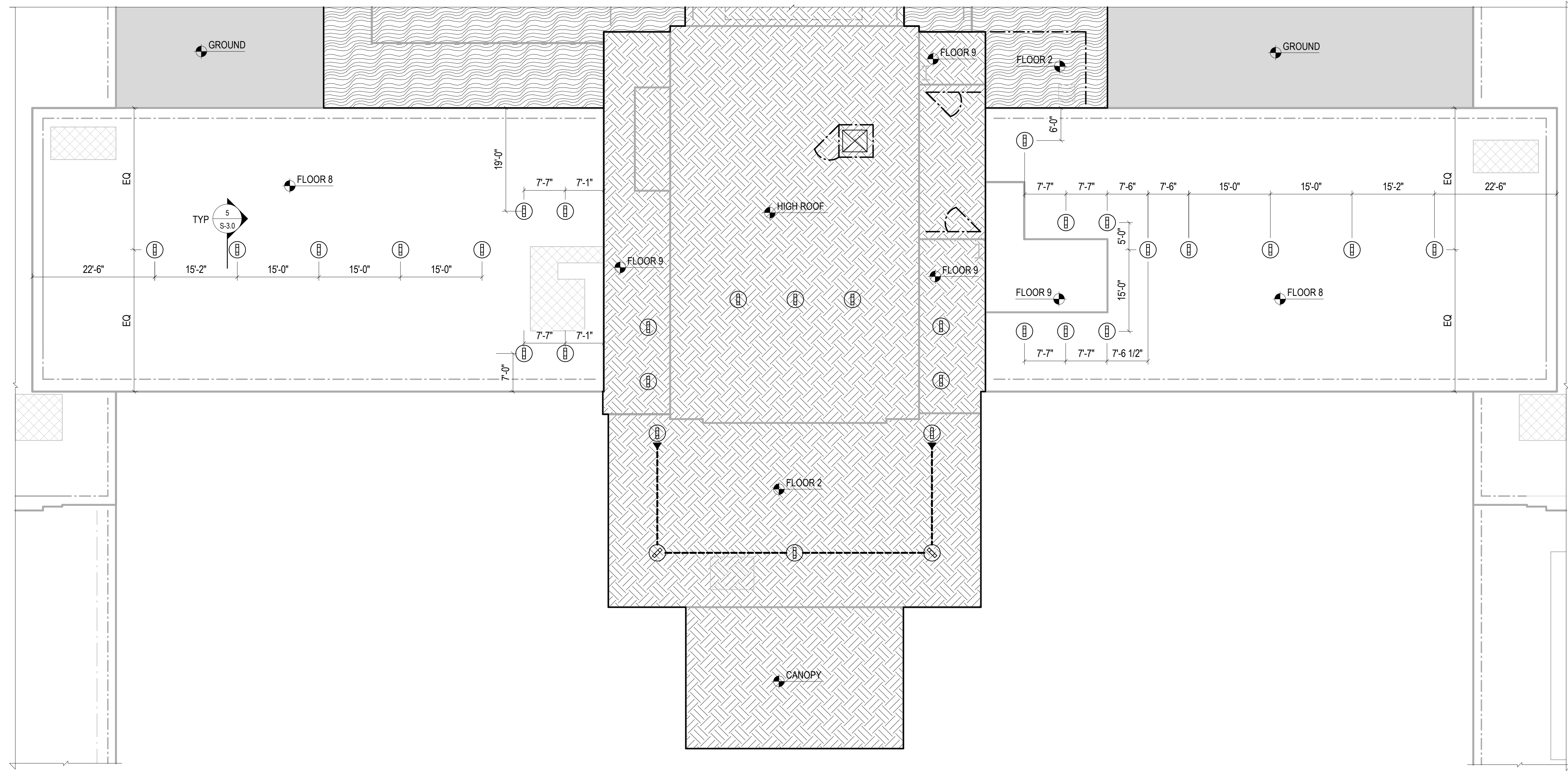
Fitzsimons Building - Facade Access Roof Anchors And Fall Protection (Phase 1)

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Aurora, CO 80045

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CONSULTING ENGINEERS
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MAIN 303.431.6100 MARTINMARTIN.COM





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PRINCIPAL: ANDREW EMMONS
EQP. Entry: EOP's Name Here
PROJECT MANAGER: FUMIT OSHI HIROSE
DESIGNERS: IZAAK BARELA
LEAD REVIT TECH: MIKE MATA
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1 FITZSIMONS BUILDING - PARTIAL ROOF PLAN

3/32" = 1'-0"

GENERAL INFORMATION

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- THE DIMENSIONS NOTED ON PLAN ARE APPROXIMATE LOCATION OF THE ANCHORS. GC TO VERIFY ANCHORS ARE INSTALLED ON STRUCTURAL BEAMS AS SHOWN ON DETAILS
- GC TO COORD WITH AVI ROOFING / WEATHERSURE SYSTEMS TO MAINTAIN ROOFING WARRANTY
- ALL PHASES SHOWN FOR CLARITY. CURRENT WORK ONLY INCLUDES PHASE 1 WORK.


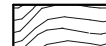
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- ANSI Z359 - CURRENT VERSION SAFETY STANDARD FOR FALL PROTECTION EQUIPMENT

STATEMENT OF RESPONSIBILITY

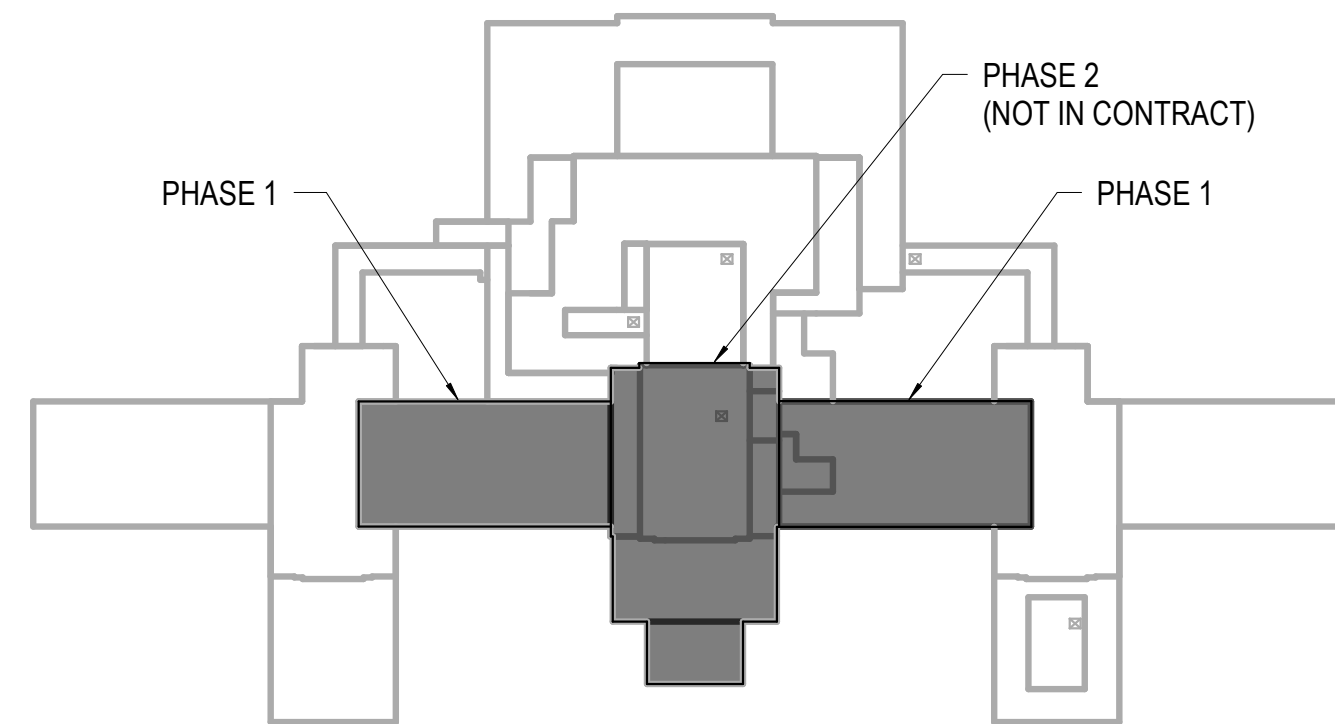
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CONSTRUCTION SEQUENCE

-  -INDICATES PHASE 2 (NOT IN CONTRACT)
-  -INDICATES PHASE 3 (NOT IN CONTRACT)

REGION DESCRIPTION

-  -INDICATES MECHANICAL UNIT



KEY PLAN

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PROJECT NO: 22.0622.S.01		
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SHEET TITLE:
PARTIAL ROOF
PLAN

SHEET NUMBER:
S-1.3

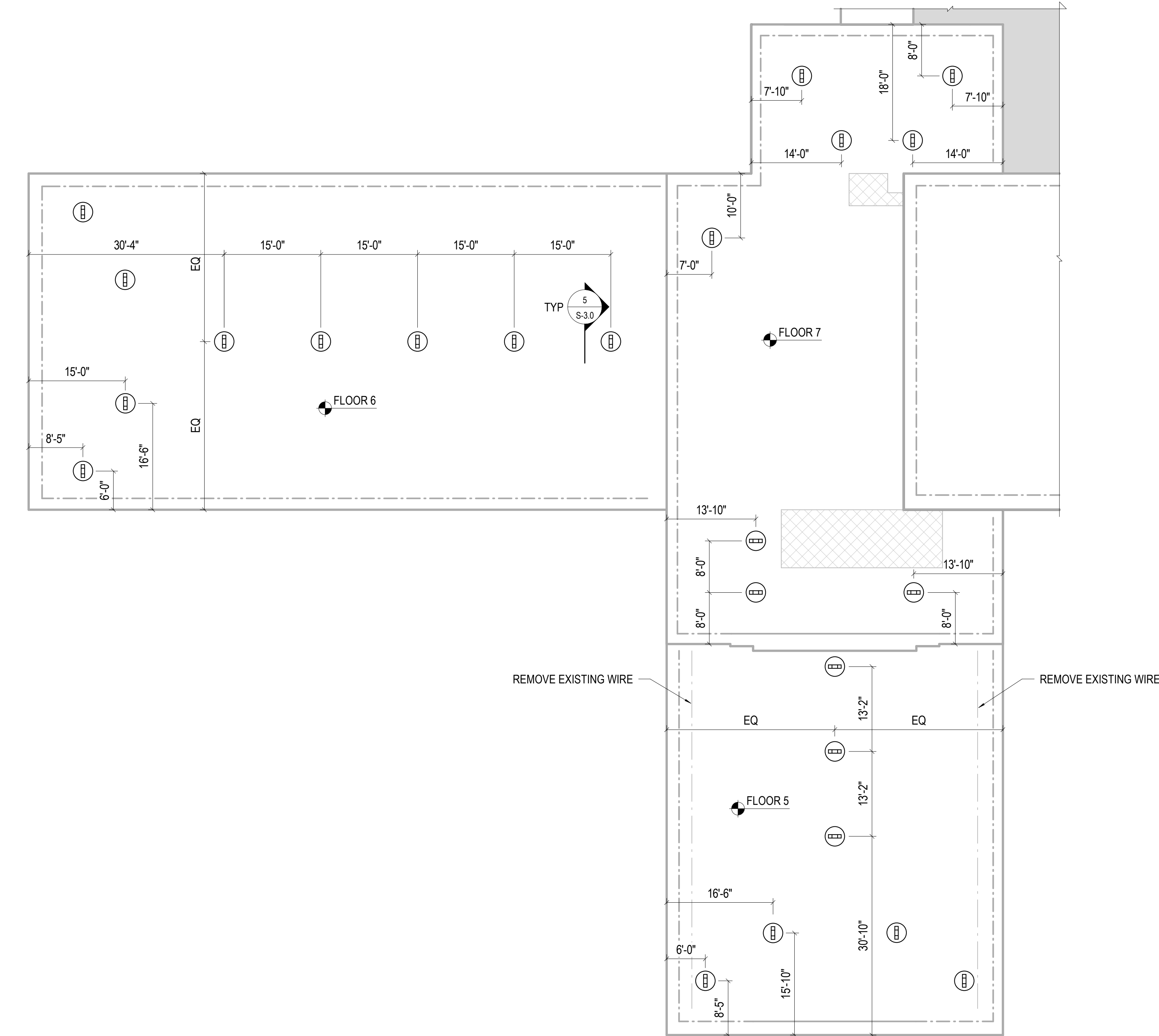
Fitzsimons Building - Facade Access Roof Anchors And Fall Protection (Phase 1)

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MM JOB #: 22.0622.S.01
PRINCIPAL: ANDREW EMMONS
EQP. Enter EOP's Name Here
PROJECT MANAGER: FUMI OSHI HIROSE
DESIGNERS: IZAAK BARELA
LEAD REVIT TECH: MIKE MATA
DATE PRINTED: 5/30/2023 2:16:54 PM
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1 FITZSIMONS BUILDING - PARTIAL ROOF PLAN

3/32" = 1'-0"

GENERAL INFORMATION

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- NUMBER OF FLOORS - 9
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REGULATIONS AND STANDARDS

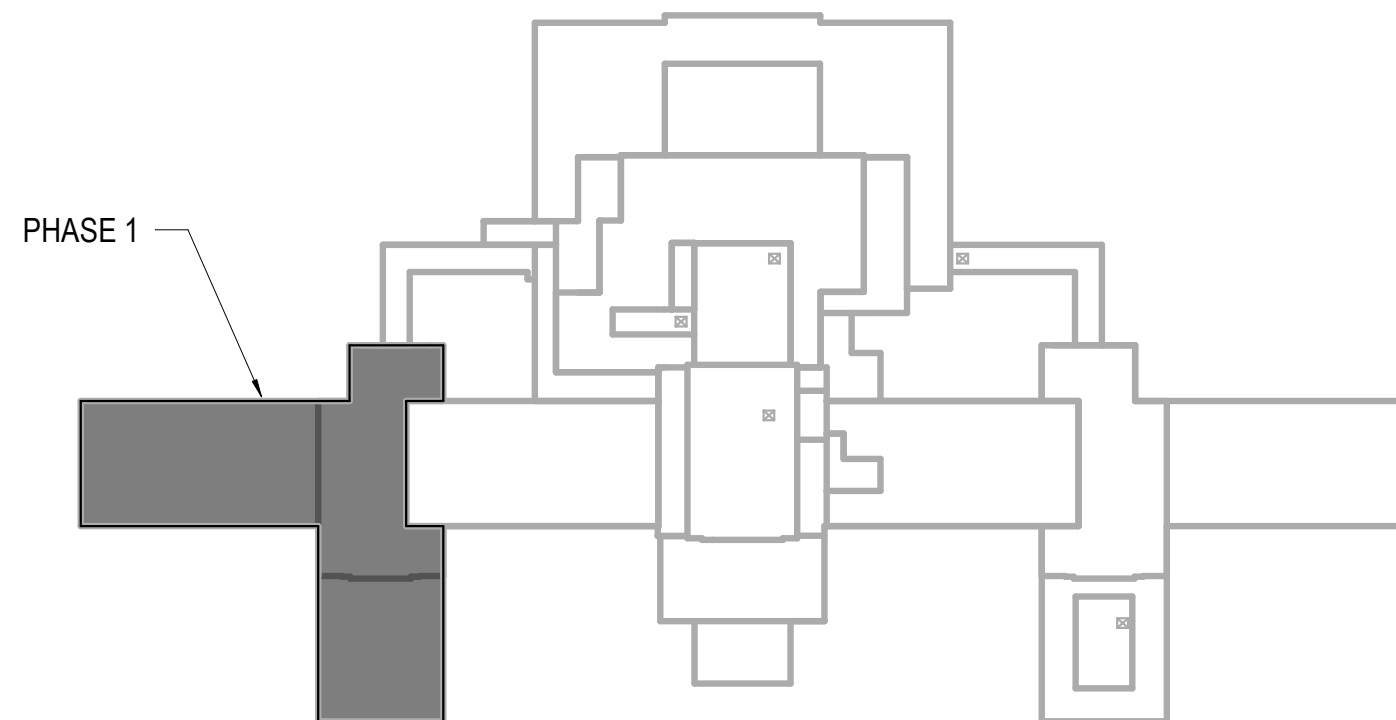
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REGION DESCRIPTION

-INDICATES MECHANICAL UNIT



KEY PLAN

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PROJECT NO: 22.0622.S.01
DATE: 06/05/2023
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SHEET TITLE:
PARTIAL ROOF PLAN

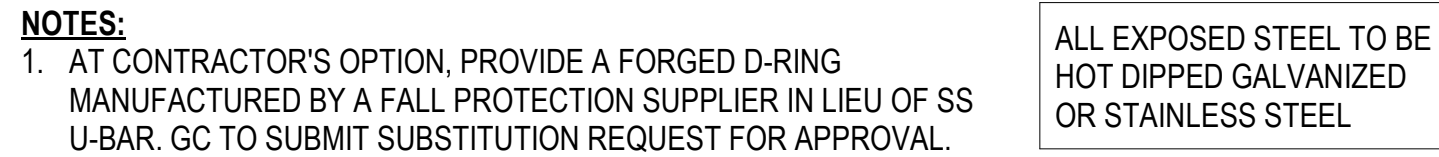
SHEET NUMBER:
S-1.4

Fitzsimons Building - Facade Access Roof Anchors And Fall Protection (Phase 1)

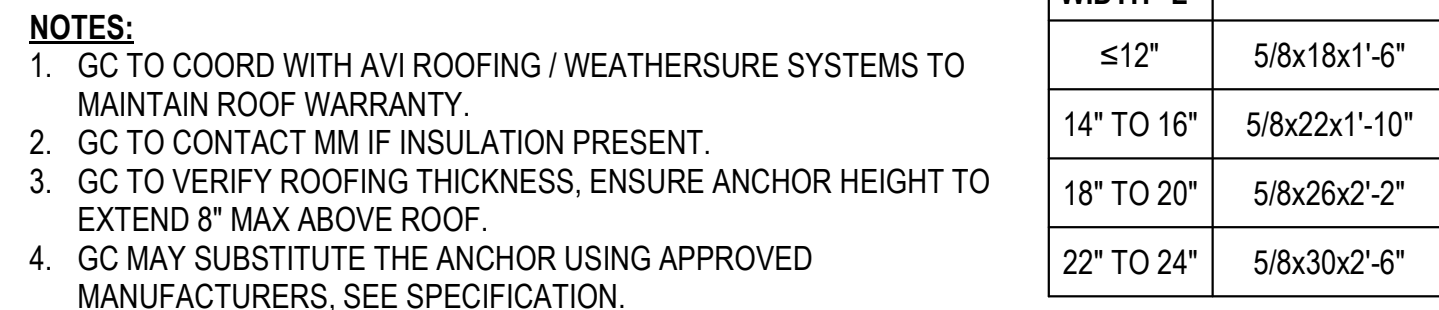
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Aurora, CO 80045

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CONSULTING ENGINEERS
12499 WEST COLFAX AVENUE, LAKEWOOD, COLORADO 80215
MAIN 303.431.6100 MARTINMARTIN.COM





4 | 6" = 1'-0" TYPICAL ANCHOR



5 NO SCALE TYPICAL ANCHOR AT CONC BEAM



FALL PROTECTION NOTES

GENERAL:

1A) THE FALL PROTECTION SYSTEMS INCLUDED IN THESE DOCUMENTS HAVE BEEN DESIGNED BY OR UNDER THE DIRECT SUPERVISION OF A QUALIFIED FALL PROTECTION ENGINEER AND REGISTERED PROFESSIONAL ENGINEER.

1B) THE SYSTEMS DEFINED AND SPECIFIED HEREIN REFER TO THE TERM "WORKER". THE MAXIMUM WEIGHT OF A WORKER INCLUDING TOOLS AND PERSONAL PROTECTION EQUIPMENT SHALL NOT EXCEED 310 POUNDS.

1C) WORKERS SHOULD BE PROPERLY TRAINED IN ACCORDANCE WITH THE GUIDELINES SET FORTH IN OSHA, ANSI Z359.2, AND Z490.1 PRIOR TO UTILIZATION OF THESE FALL PROTECTION SYSTEMS.

1D) PRIOR TO UTILIZATION OF THESE FALL PROTECTION SYSTEMS, THE END USER SHALL SUBMIT A RESCUE PLAN TO THE OWNER IN ACCORDANCE WITH MINIMUM REQUIREMENTS OF ANSI Z359.2 TO BUILDING MANAGEMENT.

1E) THE SYSTEMS CONTAINED HEREIN OTHER THAN GUARDRAILS HAVE BEEN DESIGNED FOR ACTIVE FALL ARREST LOADS. HOWEVER, IT SHOULD BE NOTED THAT THE PREFERRED HIERARCHY OF PROTECTION LISTED IN ANSI Z359.1 OF: ELIMINATION, PASSIVE PROTECTION, FALL RESTRAINT, FALL ARREST, AND LASTLY ADMINISTRATIVE CONTROLS SHOULD BE UTILIZED BY THE END USER.

1F) FALL PROTECTION HARNESSSES, LANYARDS, CONNECTORS, ETC. SHALL BE MANUFACTURED, TESTED AND MAINTAINED IN ACCORDANCE WITH THEIR RESPECTIVE ANSI Z359 STANDARD.

1G) MINIMUM ANCHOR STRENGTHS ARE PROVIDED ON THE DETAIL SHEETS HEREIN.

1H) FALL CLEARANCE IS DEFINED AS THE REQUIRED CLEAR DISTANCE FROM THE WORKING SURFACE TO THE NEXT LOWER LEVEL.

1J) FALL PROTECTION EQUIPMENT INCLUDING BUT NOT LIMITED TO: ANCHORS AND HLL SYSTEMS SHALL BE INSPECTED BY A QUALIFIED PERSON OR PROFESSIONAL ENGINEER ANNUALLY PER ANSI Z359 AND OSHA REQUIREMENTS. "SYSTEMS SHALL BE CERTIFIED BY LOAD TESTING BY QUALIFIED PERSON AS NECESSARY AND AT MAXIMUM INTERVAL NOT TO EXCEED 10 YEARS PER OSHA REQUIREMENTS."

1K) ANY MODIFICATIONS TO THE FALL PROTECTION SYSTEMS SHALL BE DESIGNED BY MARTIN/MARTIN OR AN ENGINEER WITH SIMILAR EXPERIENCE AND QUALIFICATIONS.

2) MANAGED FALL PROTECTION PROGRAM:

2A) THE DRAWINGS AND DETAILS CONTAINED HEREIN SHALL BE INCORPORATED INTO THE MANAGED FALL PROTECTION PROGRAM (MFPP) FOR THE PROPERTY. ADDITIONALLY, THE MFPP SHOULD FOLLOW THE GUIDELINES SET FORTH IN THE CURRENT VERSION OF THE ANSI/ASSP Z359.2 STANDARD.

2B) IT IS THE RESPONSIBILITY OF THE USER TO ENSURE THE ANCHORAGES SHOWN ARE BEING UTILIZED IN ACCORDANCE WITH ALL APPLICABLE OSHA AND ANSI STANDARDS AND WITHIN THE LOAD LIMITATIONS IDENTIFIED ON THIS PLAN.

3) MEP COORDINATION:

3A) GC TO NOTIFY MARTIN/MARTIN FOR MEP OBSTRUCTIONS PRIOR TO FABRICATION AND INSTALLATION OF FALL PROTECTION SYSTEMS

4) STEEL FINISH:

4A) ALL EXPOSED STEEL TO BE HOT-DIPPED GALVANIZED.

4B) COLD-GALVANIZE AT WELDS AND OTHER EXPOSED STEEL NOT HOT-DIPPED GALVANIZED.

[illegible]

SHEET TITLE:
**TYPICAL FALL
PROTECTION
DETAILS**
SHEET NUMBER:
S-3.0



Fitzsimons Building - Facade Access Roof Anchors And Fall Protection (Phase 1)

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Aurora, CO 80045