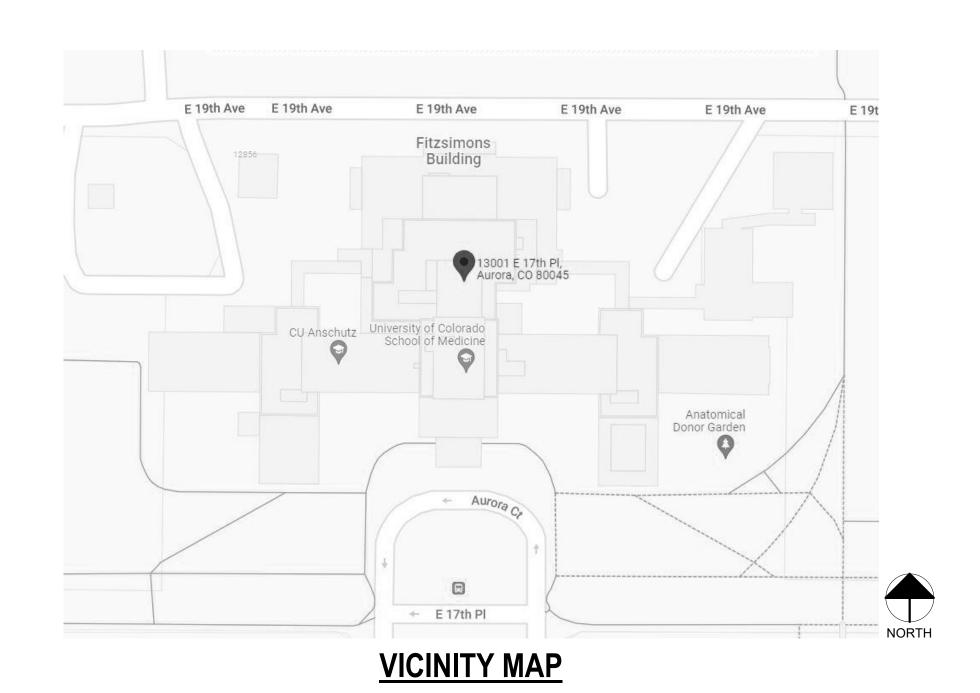
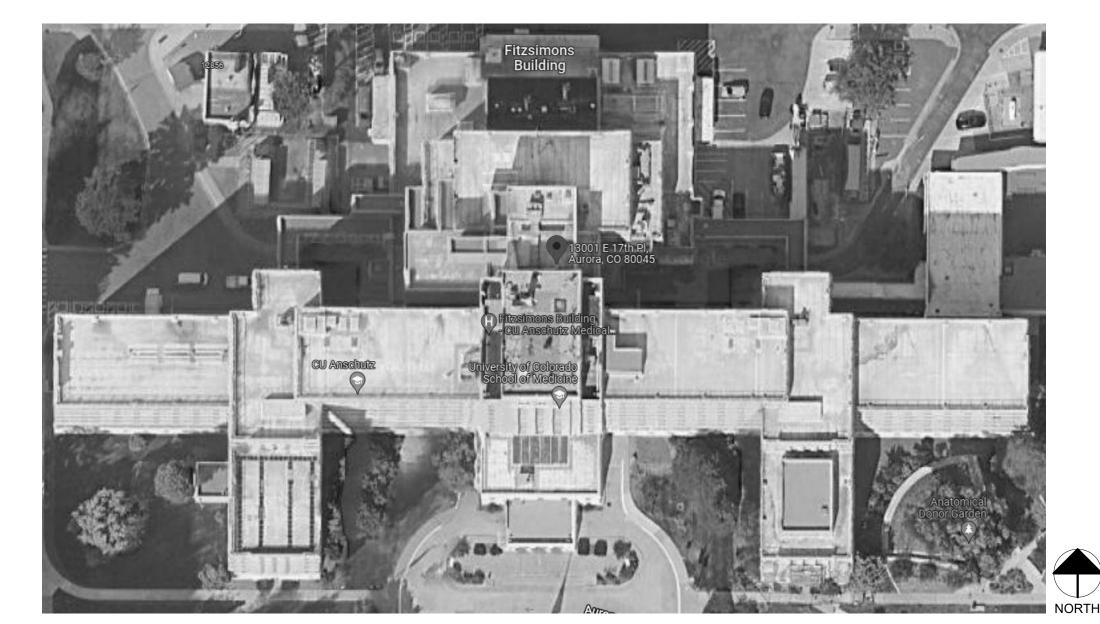
M/M PROJECT NO. 23.0491.S.01





AERIAL MAP

CONSULTANT:



12499 West Colfax Avenue 303.431.6100

Lakewood, Colorado 80215 martinmartin.com

CONTACT: ANDREW EMMONS, PE

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		



Roof Access (Phase Facade all Protection lding Buil And Anchors 13001 East 17th Aurora, CO 800

REVISIONS DATE ISSUE 1 100% CDS 06/05/2023

22.0622.S.01 PROJECT NO: 06/05/2023 © MARTIN/MARTIN 2023

SHEET TITLE:
COVER SHEET

SHEET NUMBER:

ABBREVIATIONS			8	GENERAL NOTES		
@	At	IT	Precast Inverted Tee Beam	1) GENERAL: 1A) ENGINEER: REFERENCES ON THE STRUCTURAL DRAWINGS TO 'ENGINEER' MEAN THE STRUCTURAL ENGINEER OF RECORD. OTHER ENTITIES ARE SPECIFICALLY NOTED AS "CONTRACTOR'S ENGINEER",		
ACI ADDNL	American Concrete Institute Additional	JST	Joist	"MECHANICAL ENGINEER", ETC. HIRED BY THE CONTRACTOR.		
APPROX	Approximate	k	Kip	2) EXISTING STRUCTURES: 2A) CONTRACT DOCUMENTS HAVE BEEN PREPARED USING AVAILABLE DRAWINGS AND SITE OBSERVATION AS		
CIP	Cast-In-Place	LD(C)	Dound(a)	PERMITTED BY ACCESS RESTRICTIONS DURING DESIGN.		
		LB(S)	Pound(s)	2B) DURING CONSTRUCTION, THE CONTRACTOR MAY ENCOUNTER EXISTING CONDITIONS WHICH ARE NOT NOW		
CJP	Complete Joint Penetration	LL	Live Load	KNOWN OR ARE AT VARIANCE WITH PROJECT DOCUMENTATION. CONTRACTOR SHALL NOTIFY THE ENGINEER		
CL	Centerline	LLH	Long Leg Horizontal	OF ALL CONDITIONS NOT PER THE CONTRACT DOCUMENTS. EXAMPLES INCLUDE:		
CLR	Clear	LLV	Long Leg Vertical	- SIZES OR DIMENSIONS OTHER THAN THOSE SHOWN		
CMU	Concrete Masonry Unit	LOC(S)	Location(s) or Locate	- DAMAGE OR DETERIORATION TO MATERIALS AND COMPONENTS		
CONC	Concrete	Lr	Roof Live Load	- CONDITIONS OF INSTABILITY OR LACK OF SUPPORT		
CONT	Continue or Continuous		1.00. 2.10 2000	- ITEMS NOTED AS EXISTING ON THE DRAWINGS BUT NOT FOUND IN THE FIELD		
OON	Continue of Continuous	MAC	Macanny			
DIA ~	Diameter	MAS	Masonry	2C)PREPARE DIMENSIONAL DRAWINGS OF ALL DISCOVERED ITEMS.		
DIA or Ø	Diameter	MAX	Maximum			
DIM	Dimension	MECH	Mechanical	2D) CONTRACTOR SHALL FIELD VERIFY ALL EXISTING STRUCTURAL CONDITIONS PRIOR TO SUBMITTING SHOP		
DMG	Damage	MEP	Mech/Elect/Plumb	DRAWINGS.		
DT	Precast Double Tee	MIN	Minimum			
DTL(S)	Detail(s)	MISC	Miscellaneous	2E) CONTRACTOR SHALL MAKE ALLOWANCE FOR THE RESOLUTION OF SUCH DISCOVERIES IN THE		
DWG(S)	Drawing(s)	MNFR	Manufacturer	CONSTRUCTION SCHEDULE.		
DVVG(3)	Drawing(s)	IVIINI	Manufacturei	a), HOE OF DRAMINOS		
(E) or EXIST	Existing	N	North	3) USE OF DRAWINGS: 3A) DO NOT SCALE DRAWINGS.		
EA	Each	00	0.0.1	3B) WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, THE MORE STRINGENT		
		OC	On Center	REQUIREMENTS SHALL GOVERN. DETAILS ON DRAWINGS TAKE PRECEDENCE OVER GENERAL NOTES AND		
EC	Epoxy Coated	OH	Opposite Hand	TYPICAL DETAILS. DETAILS NOTED TYPICAL APPLY TO ALL SIMILAR CONDITIONS. WHERE NO SPECIFIC DETAILS		
EE	Each End	OPP	Opposite	ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ELSEWHERE ON THE PROJECT.		
EF	Each Face					
EJ	Expansion Joint	PEN	Penetration	4) SUBMITTALS AND SUBSTITUTIONS:		
EL	Elevation	PL	Plate (Steel)	4A) SUBMITTALS:		
EMBED	Embedded		riate (Otool)	- STEEL SHOP DRAWINGS		
EOR	Engineer-of-Record	OT) (0 "	- PRODUCT DATA FOR THE FOLLOWING:		
	· ·	QTY	Quantity	BALLASTED GUARDRAIL AND SELF-CLOSING GATE IF THE CONTRACTOR REQUESTS A CHANGE FROM THE STRUCTURAL PRAYMINGS IT SHALL BE ARREDOVED.		
EQ	Equal			- IF THE CONTRACTOR REQUESTS A CHANGE FROM THE STRUCTURAL DRAWINGS, IT SHALL BE APPROVED AND DESIGNED BY MARTIN/MARTIN, INC. PRIOR TO SUBMITTING PRODUCT DATA.		
EQ SP	Equally Spaced	R	Radius	AND DESIGNED BY MARTIN/MARTIN, INC. PRIOR TO SUBMITTING PRODUCT DATA.		
ES	Each Side	RE: or	Refer to (Reference)	5) OSHA STANDARDS:		
EW	Each Way	REF	,	5A) THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. NOTHING SHOWN ON THE		
EXP	Expansion Anchor			STRUCTURAL DRAWINGS SHALL BE CONSTRUED AS ELIMINATING THE NEED FOR THE CONTRACTOR TO COMPL'		
ANCH	•	SIM	Similar	WITH ALL OSHA REQUIREMENTS.		
		SPECS	Specifications			
FF	Finished Floor		•			
		SS	Stainless Steel	OUALITY ACCUPANCE OFNEDAL NOTEO		
FLR	Floor	STD	Standard	QUALITY ASSURANCE GENERAL NOTES		
FND	Foundation	STL	Steel	STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS AND TESTING		
FO	Face of	STR	Structural			
FP	Full Penetration or Fire					
	Proofing	T&B	Top and Bottom	1) GENERAL:		
FS	Far Side	T/ or T.O.	Top of	1A) SCOPE OF WORK		
FT	Foot or Feet		•	- SPECIAL INSPECTIONS ARE IN ADDITION TO INSPECTIONS BY THE AUTHORITY HAVING JURISDICTION		
FTG	Footing	TOC	Top of Concrete	REQUIRED BY IBC 2018 SECTION 110.		
. 10	. comig	TYP	Typical	- SPECIAL INSPECTIONS AND TESTING ARE APPLICABLE TO ALL REVISIONS AND/OR FUTURE WORK ADDED BY AMENDMENTS TO THESE DOCUMENTS.		
GA	Gage or Gauge	ULT	Ultimate	45) 555111710110		
GALV	Galvanized	UNO	Unless Noted Otherwise	1B) DEFINITIONS		
		5110	CHICOCHOLOG OTHOL WIGO	- SPECIAL INSPECTOR: THE AGENCY ENGAGED BY THE CONTRACTOR AND APPROVED BY CU ANSCHUTZ TO		

- SPECIAL INSPECTOR: THE AGENCY ENGAGED BY THE CONTRACTOR AND APPROVED BY CU ANSCHUTZ TO ACT AS THE DESIGNATED REPRESENTATIVE TO PERFORM INSPECTIONS.

CU ANSCHUTZ PRE-APPROVED SPECIAL INSPECTOR:
• CTL THOMPSON

Headed Anchor Stud

Headed Anchor Rod

Horizontal life line

INTERNATIONAL BUILDING CODE 2021

IWCA WINDOW CLEANING STANDARDS

ANSI/ASSP Z359 (LATEST REVISION)

Inch

CODES AND STANDARDS:

OSHA 29 CFR 1926/1910

1A) GENERAL DESIGN

Heating-Ventilating and A/C

DESIGN CRITERIA

ASCE/SEI 7-16 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES"

ANSI/AISC 360-16: "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS"

HDAS

HDAR

IN

1B) LOADS

Verify in Field

Without

Wide Flange

Vertical Life Line

GROUND ENGINEERING

GROUND ENGINEERINGTERRACON

- SPECIAL INSPECTION: INSPECTION PERFORMED BY THE SPECIAL INSPECTOR ACCORDING TO IBC 2018 SECTION 1704 TO ENSURE COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS.

PERIODIC INSPECTION: THE PART-TIME OR INTERMITTENT OBSERVATION BY THE SPECIAL INSPECTOR OF WORK BEING PERFORMED. SPECIAL INSPECTOR SHALL BE PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. OBSERVATION OF ALL WORK (100% VISUAL) SHALL BE MADE AT THE COMPLETION OF THE WORK.
 CONTINUOUS INSPECTION: THE FULL-TIME OBSERVATION BY THE SPECIAL INSPECTOR OF WORK BEING PERFORMED. SPECIAL INSPECTOR SHALL BE PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. OBSERVATION OF ALL WORK (100% VISUAL) SHALL BE MADE AT THE COMPLETION OF THE WORK.

1C) DEFICIENCIES IN WORK

- CORRECT DEFICIENCIES IN WORK THAT TESTS AND INSPECTIONS INDICATE DO NOT COMPLY WITH THE CONTRACT DOCUMENTS AND REFERENCED STANDARDS.

- ALL COST OF ADDITIONAL TESTING AND/OR INSPECTIONS FOR CORRECTIVE WORK SHALL BE BORNE BY THE CONTRACTOR.

2) SHOP FABRICATIONS:

2A) GENERAL
- PERFORM INSPECTIONS AND TESTING FOR ALL SHOP FABRICATED STRUCTURAL MEMBERS AND
ASSEMBLIES AS NOTED HEREIN. SPECIAL INSPECTOR SHALL PERFORM SPECIAL INSPECTIONS AND TESTING
UNLESS THE FABRICATOR IS REGISTERED AND APPROVED BY THE AUTHORITY HAVING JURISDICTION TO
PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION OR FABRICATION HAS A CURRENT ICC-ES EVALUATION
REPORT.

SPECIAL INSPECTOR SHALL VERIFY THE FABRICATOR MAINTAINS AND FOLLOWS DETAILED SHOP

FABRICATION AND QUALITY CONTROL PROCEDURES, UNLESS FABRICATOR IS REGISTERED AND APPROVED.

- AT THE COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE AUTHORITY HAVING JURISDICTION ACCORDING TO IBC 2018 SECTION 1704.2.5.1.

- APPROVED FABRICATORS MAY PERFORM TESTING NOTED HEREIN EXCEPT THAT NONDESTRUCTIVE TESTING (NDT) SHALL ONLY BE PERFORMED BY PERSONNEL WITH QUALIFICATIONS THAT MEET OR EXCEED THE CRITERIA OF AWS D1.1 SUBCLAUSE 6.14.6 AND AMERICAN SOCIETY FOR NONDESTRUCTIVE TESTING (ASNT) SNT-TC-1A OR ASNT CP-189.

2B) SHOP FABRICATIONS INCLUDED
- SHOP FABRICATED STRUCTURAL STEEL

STEEL NOTES

1) WELDING REQUIREMENTS:

1A) WELDERS: HAVE IN POSSESSION CURRENT EVIDENCE OF PASSING THE APPROPRIATE AWS QUALIFICATION
TESTS

1B) MINIMUM WELDS: AISC SPECIFICATION, NOT LESS THAN 3/16" FILLET, CONTINUOUS UNLESS OTHERWISE NOTED.

1C) WELD SIZES AND LENGTHS CALLED FOR ON THE DRAWINGS ARE THE NET EFFECTIVE REQUIRED. INCREASE WELD SIZE IF GAPS EXIST AT THE FAYING SURFACE.

1D) WELD SIZES SHALL BE AS SHOWN UNLESS A GREATER SIZE IS REQUIRED BY ANSI/AISC 360-16 TABLES J2.3 AND J2.4.

1E) ALL GROOVE WELDS SHALL BE COMPLETE PENETRATION UNLESS NOTED.

1F) FIELD WELDING SYMBOLS INDICATE SUGGESTED CONSTRUCTION PROCEDURES.

2) STEEL MATERIALS:

2A) ALL EXPOSED STEEL TO BE HOT DIPPED GALVANIZED UNLESS NOTED OTHERWISE.

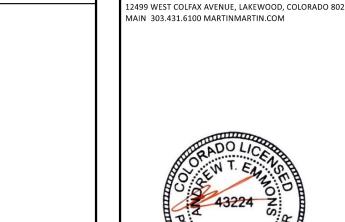
STEEL MATERIAL TABLE							
STEEL ELEMENT	ASTM/TYPE	Fy (KSI)	Fu (KSI)	COMMENTS			
ANCHOR RODS	F1554 GR 55	55	75				
BOLTS	A325 OR F1852		120	BOLTS ARE 3/4"Ø UNO			
OTHER SHAPES	A36	36	58				
PIPE	A500 GR C	46	62				
PLATES	A572 GR 50	50	65				
WELDING ELECTRODES	E70			PER AWS			

STRUCTURAL STEEL INSPECTIONS					
ITEM	INSPECTION TASK	STANDARD	CRITERIA/REMARKS		
- PRIOR TO FABRICATION OR ERECTION	PERFORM	AISC 360, CHAPTER N	REVIEW MATERIAL TEST REPORTS AN CERTIFICATIONS FOR STRUCTURAL STEEL, FASTENERS, ANCHOR RODS, HEADED STUD ANCHORS		
PRIOR TO BOLTING					
- REVIEW MANUFACTURER CERTIFICATIONS FOR FASTENER MATERIALS	PERFORM	AISC 360, CHAPTER N	-		
FASTENERS MARKS IN ACCORDANCE WITH ASTM REQUIREMENTS	OBSERVE	AISC 360, CHAPTER N	-		
PROPER FASTENERS AND BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	OBSERVE	AISC 360, CHAPTER N	-		
CONNECTING ELEMENTS MEET REQUIREMENTS, INCLUDING HOLE REPAIR AND FAYING SURFACE	OBSERVE	AISC 360, CHAPTER N	-		
PROPER STORAGE FOR FASTENER COMPONENTS	OBSERVE	AISC 360, CHAPTER N	-		
DURING BOLTING					
- FASTENERS PLACED IN ALL HOLES AND POSITIONED AS REQUIRED	OBSERVE	AISC 360, CHAPTER N	-		
AFTER BOLTING					
- DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	PERFORM	DOCUMENT ACCEPTANCE OR REJECTION MEMBER OR JOINT	-		

OBSERVE - OBSERVE THESE ITEMS ON A RANDOM BASIS
PERFORM - THESE INSPECTIONS SHALL BE PERFORMED FOR EACH WELDED CONNECTION, EACH BOLTED CONNECTION, AND EACH ITEM, PRIOR TO ACCEPTANCE

SHEET LIST

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			



MARTIN/MARTIN

Roof **(1)** S CCE S B ction acad 4 9 ding <u>a</u> \Box nd itzsimons Р 17th 8004 Anchors St Eag. 13001 | Aurora,

REVISIONS
NO. ISSUE DATE

1 100% CDS 06/05/2023

E: 06/05/2023 © MARTIN/MARTIN 2023

FALL PROTECTION

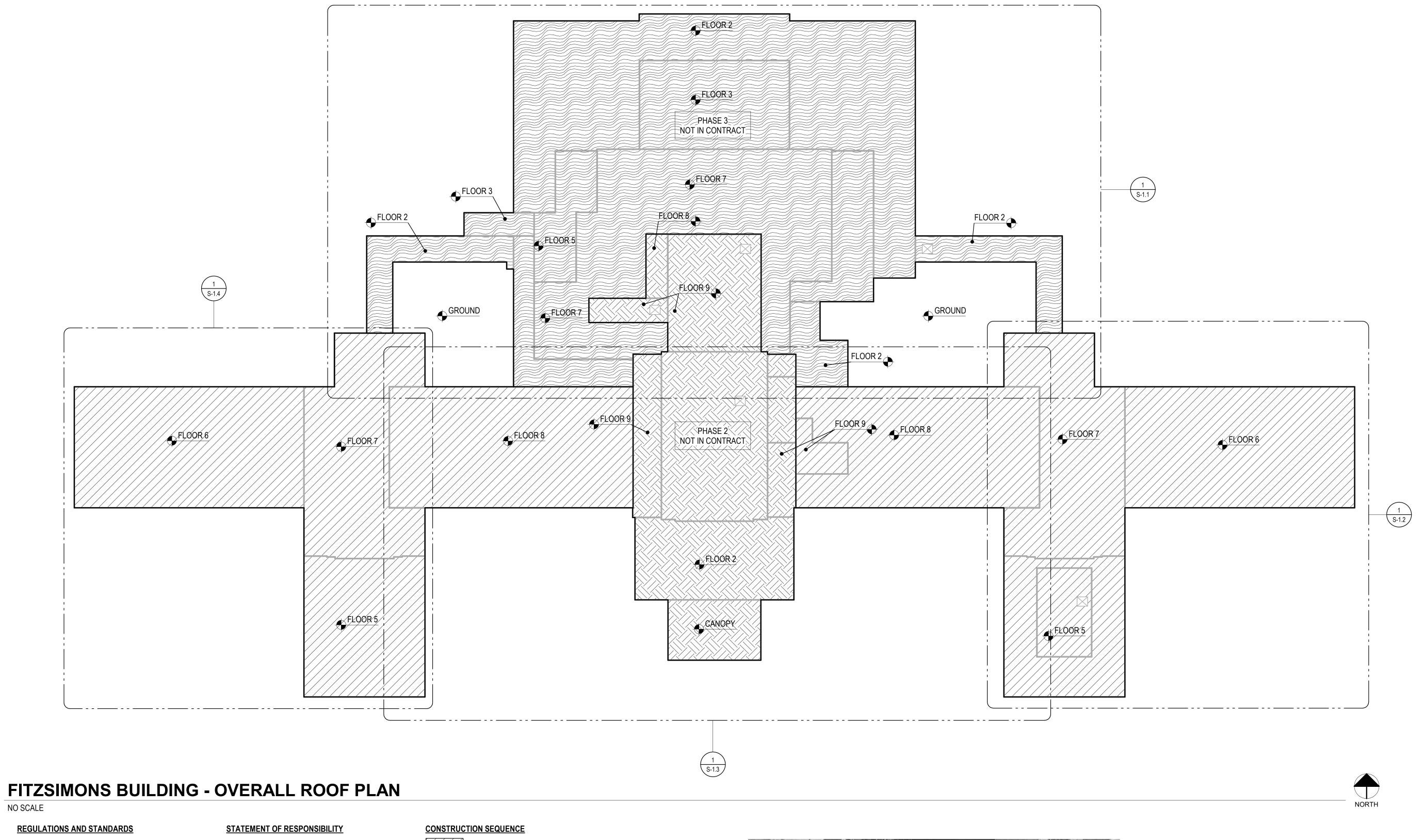
22.0622.S.01

GENERAL NOTES

SHEET NUMBER:

PROJECT NO:

10MBER: 3-0.0



NO SCALE

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

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.

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



AERIAL VIEW



VICINITY MAP

Fitzsimons Anchors 13001 E Aurora, REVISIONS ISSUE DATE 06/05/2023 1 100% CDS PROJECT NO: 22.0622.S.01 06/05/2023 © MARTIN/MARTIN 2023

Roof

Access

Facade

Iding

(Phase

all Protection

And

OVERALL ROOF PLAN

SHEET NUMBER: S-1.0

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

Aurora, CO 80045
Aurora, CO 80045

06/05/2023

22.0622.S.01

06/05/2023

1 100% CDS

PROJECT NO:

PLAN

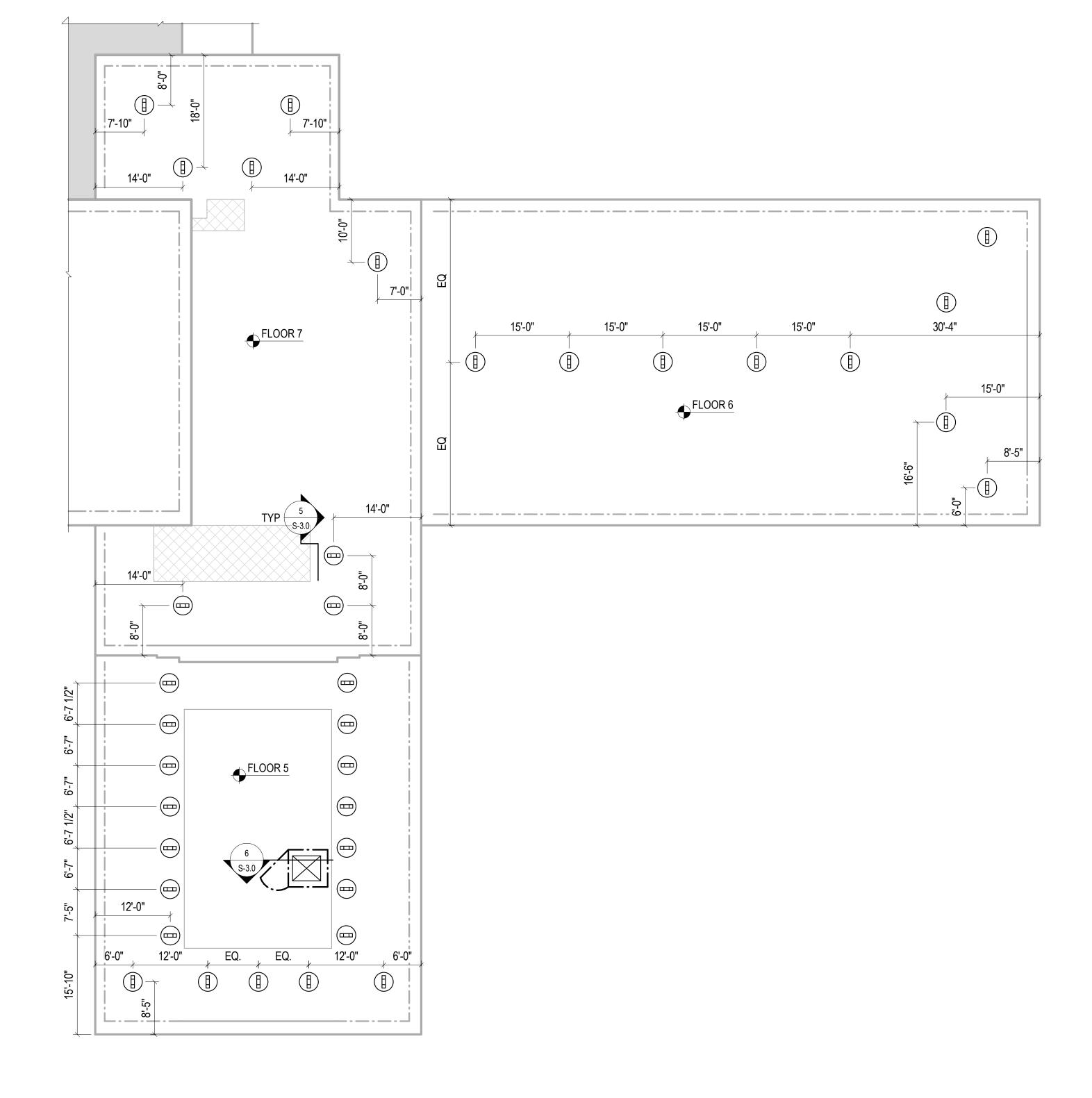
© MARTIN/MARTIN 2023

SHEET TITLE:
PARTIAL ROOF

SHEET NUMBER:

S-1.1

DA 43224 GO CHARLES SIONAL ENGLISHMENT



FITZSIMONS BUILDING - PARTIAL ROOF PLAN

GENERAL INFORMATION

- 1. BUILDING HEIGHT APPROX 150'-0"
- 2. NUMBER OF FLOORS 9 3. TIE-BACK ANCHOR RATING = 1,250 LBS, ANCHOR DESIGN
- LOAD = 5,000 LBS ULTIMATE (4:1 SAFTEY FACTOR)
- 5. SELF-CLOSING GATE SHOWN ON PLAN THUS: 6. THE DIMENSIONS NOTED ON PLAN ARE APPROXIMATE LOCATION OF THE ANCHORS. GC TO VERIFY ANCHORS ARE INSTALLED ON
- STRUCTURAL BEAMS AS SHOWN ON DETAILS
 7. GC TO COORD WITH AVI ROOFING / WEATHERSURE SYSTEMS TO MAINTAIN ROOFING WARRANTY
- 8. ALL PHASES SHOWN FOR CLARITY. CURRENT WORK ONLY INCLUDES PHASE 1 WORK.

REGULATIONS AND STANDARDS

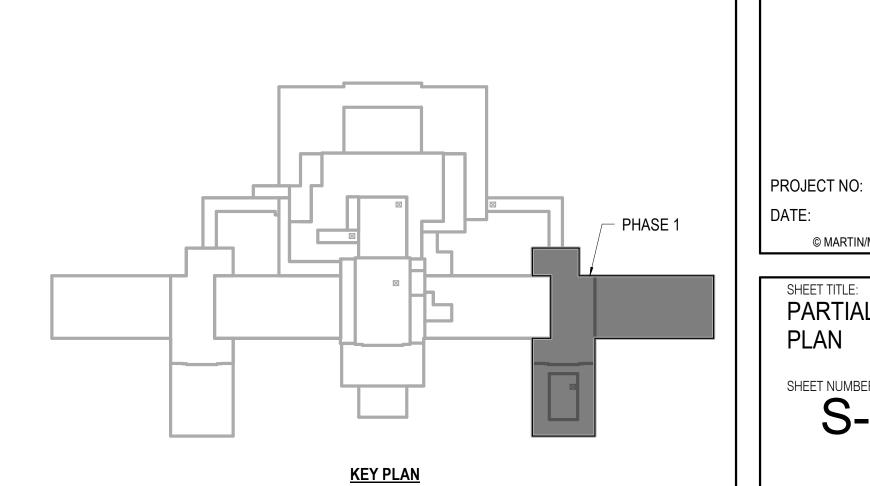
- 1. OSHA 1910 GENERAL INDUSTRY

2. OSHA 1926 - CONSTRUCTION INDUSTRY 3. IWCA 1-14.1 - WINDOW CLEANING SAFETY STANARD 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.

REGION DESCRIPTION

-INDICATES MECHANICAL UNIT



Roof Access Facade **Protection** Iding <u>=</u> 17th Place 80045 And \Box **Fitzsimons** Anchors

06/05/2023 © MARTIN/MARTIN 2023 PARTIAL ROOF

13001 E Aurora,

DATE

06/05/2023

22.0622.S.01

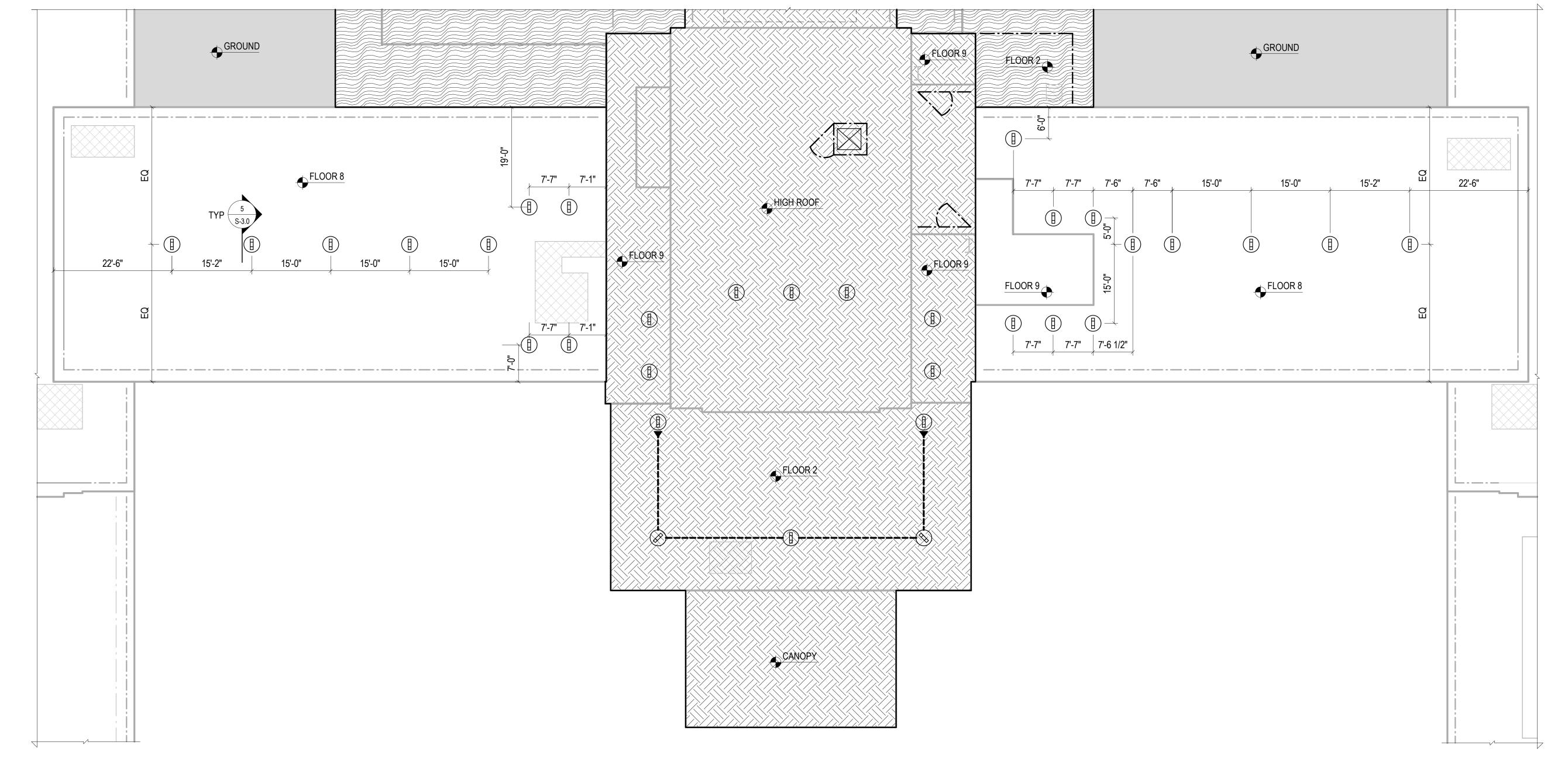
REVISIONS

ISSUE

1 100% CDS

NO.

PLAN SHEET NUMBER: S-1.2



FITZSIMONS BUILDING - PARTIAL ROOF PLAN

3/32" = 1'-0"

GENERAL INFORMATION

1. BUILDING HEIGHT - APPROX 150'-0"

INCLUDES PHASE 1 WORK.

- 2. NUMBER OF FLOORS 9 3. TIE-BACK ANCHOR RATING = 1,250 LBS, ANCHOR DESIGN LOAD = 5,000 LBS ULTIMATE (4:1 SAFTEY FACTOR) A. TIE-BACK ANCHOR AND ORIENTATION SHOWN ON PLAN THUS:
- 4. EXISTING GUARDRAIL NOTED ON PLAN SHOWN THUS: -5. THE DIMENSIONS NOTED ON PLAN ARE APPROXIMATE LOCATION OF THE ANCHORS. GC TO VERIFY ANCHORS ARE INSTALLED ON
- STRUCTURAL BEAMS AS SHOWN ON DETAILS 6. GC TO COORD WITH AVI ROOFING / WEATHERSURE SYSTEMS TO
- MAINTAIN ROOFING WARRANTY 7. ALL PHASES SHOWN FOR CLARITY. CURRENT WORK ONLY

REGULATIONS AND STANDARDS

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

STATEMENT OF RESPONSIBILITY

THIS PLAN.

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

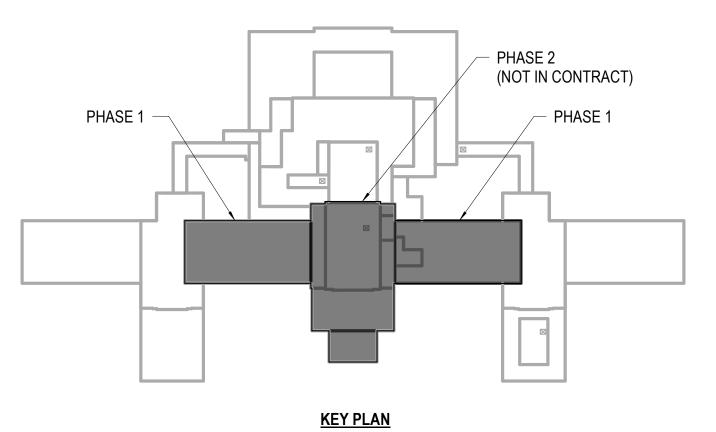
CONSTRUCTION SEQUENCE



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

REGION DESCRIPTION

-INDICATES MECHANICAL UNIT



Roof Access (Phase Facade all Protection Iding Anchors And 13001 East 17th Place Aurora, CO 80045 \Box **Fitzsimons**

1 100% CDS 06/05/2023 PROJECT NO: 22.0622.S.01 06/05/2023 © MARTIN/MARTIN 2023

ISSUE

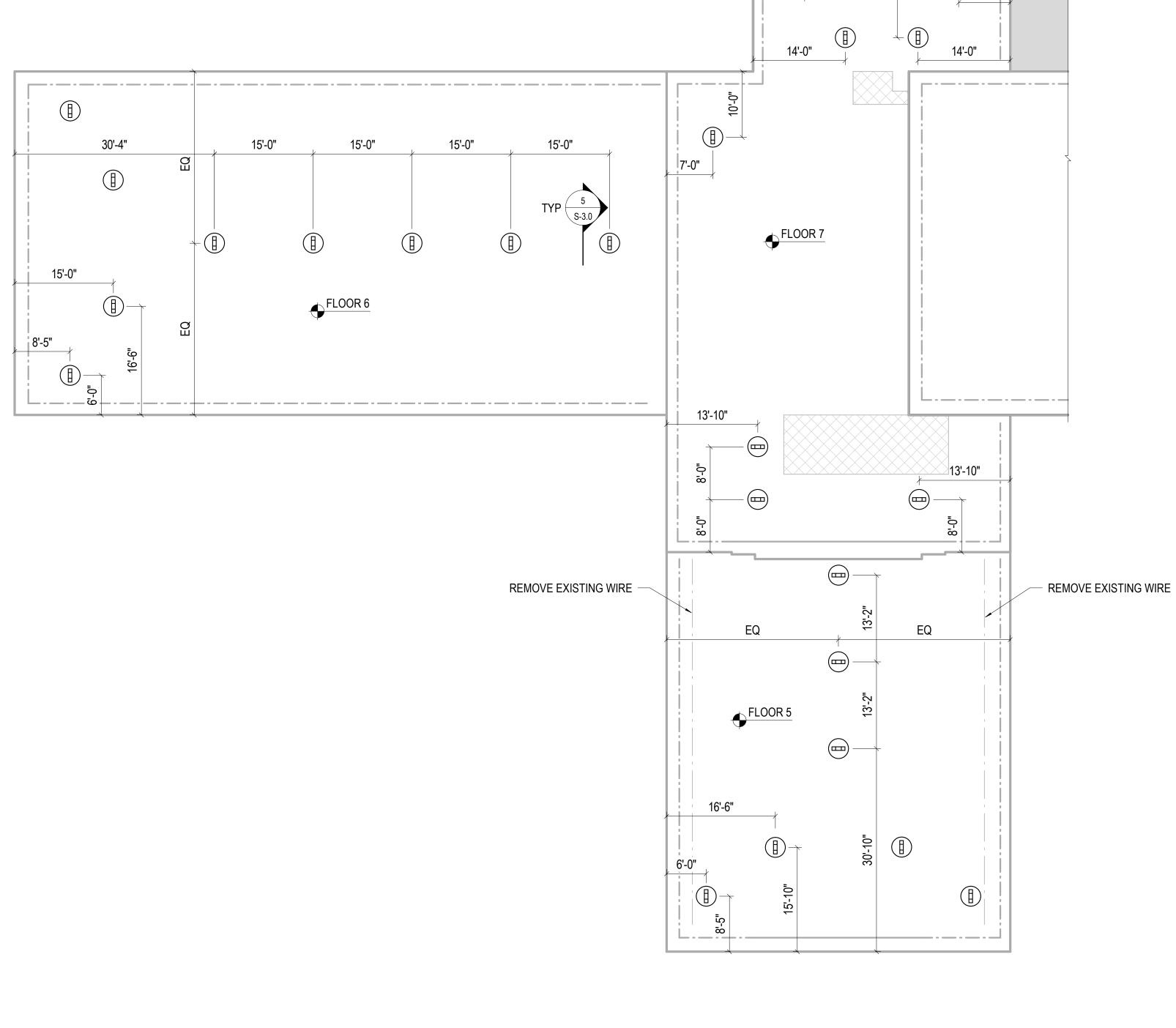
DATE

REVISIONS

NO.

PARTIAL ROOF PLAN

SHEET NUMBER: S-1.3



FITZSIMONS BUILDING - PARTIAL ROOF PLAN

GENERAL INFORMATION

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

REGULATIONS AND STANDARDS

- 1. OSHA 1910 GENERAL INDUSTRY
- 2. OSHA 1926 CONSTRUCTION INDUSTRY 3. IWCA 1-14.1 - WINDOW CLEANING SAFETY STANARD

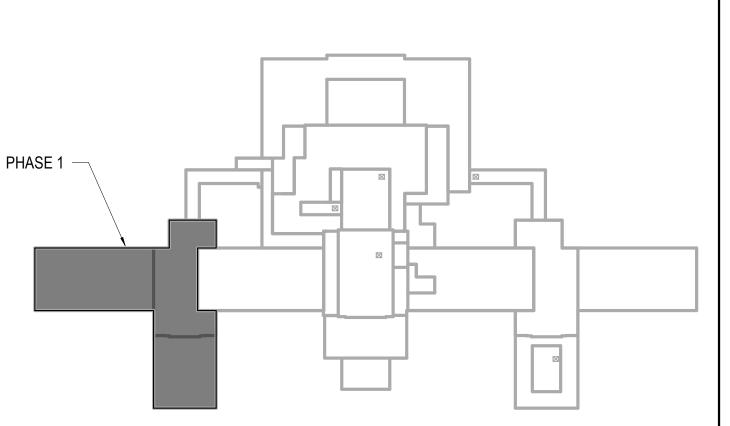
4. ANSI Z359 - CURRENT VERSION SAFETY STANDARD FOR FALL PROTECTION EQUIPMENT

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.

REGION DESCRIPTION

-INDICATES MECHANICAL UNIT



KEY PLAN

Roof Access (Phase Facade **Protection** Iding $\overline{\mathbf{g}}$ 17th Place 80045 And \Box **Fitzsimons** Anchors 13001 E Aurora,

PROJECT NO: 22.0622.S.01 06/05/2023 © MARTIN/MARTIN 2023 PARTIAL ROOF

REVISIONS

NO. ISSUE

1 100% CDS

DATE

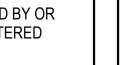
06/05/2023

PLAN SHEET NUMBER:

FALL PROTECTION NOTES

1) 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.





oof

MARTIN/MARTIN

2499 WEST COLFAX AVENUE, LAKEWOOD, COLORADO 802

AIN 303.431.6100 MARTINMARTIN.COM

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 HARNESSES, 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.

CCE S $\boldsymbol{\omega}$ ction O aca te 9 din <u>a</u> മ And 17th Plac 80045 itzsimons Anchors East a, CO 13001 E Aurora,

REVISIONS DATE ISSUE 06/05/2023 1 100% CDS

PROJECT NO:

22.0622.S.01 © MARTIN/MARTIN 2023

06/05/2023

TYPICAL FALL PROTECTION **DETAILS** SHEET NUMBER: