CU ANSCHUTZ - FITZSIMONS BUILDING - FACADE ACCESS/FALL PROTECTION
AURORA, COLORADO 80045
M/M PROJECT NO. 23.0491.S.01

CONSULTANT:

12499 West Colfax Avenue
Lakewood, Colorado 80215
303.431.6100
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

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FILE PATH:
SPECIAL INSPECTIONS ARE IN ADDITION TO INSPECTIONS BY THE AUTHORITY HAVING JURISDICTION.

ANSI/ASSP Z359 (LATEST REVISION)

DAMAGE OR DETERIORATION TO MATERIALS AND COMPONENTS

ANSI/AISC 360

ASCE/SEI 7

CORRECT DEFICIENCIES IN WORK THAT TESTS AND INSPECTS INDICATE DO NOT COMPLY WITH THE

AT THE COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF

CONDITIONS OF INSTABILITY OR LACK OF SUPPORT

PERIODIC INSPECTION: THE PART

CONTINUOUS INSPECTION: THE FULL

SIZES OR DIMENSIONS OTHER THAN THOSE SHOWN

SPECIAL INSPECTION: INSPECTION PERFORMED BY THE SPECIAL INSPECTOR ACCORDING TO IBC 2018

CU - ANSCHUTZ PRE

SHOP FABRICATED STRUCTURAL STEEL

FILLET, CONTINUOUS UNLESS OTHERWISE

22.0622.S.01

MM JOB #: PRINCIPAL: EOR: PROJECT MANAGER: DESIGNERS: LEAD REVIT TECH: DATE PRINTED: FILE PATH:

MIKE MATA

Enter EOR's Name Here

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FUMITOSHI HIROSE

- GENERAL NOTES -

QUALITY ASSURANCE GENERAL NOTES

STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS AND TESTING

QUALITY ASSURANCE GENERAL NOTES

STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS AND TESTING
FITZSIMONS BUILDING - OVERALL ROOF PLAN

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 PAGE 1
INDICATES PAGE 2 (NOT IN CONTRACT)
INDICATES PAGE 3 (NOT IN CONTRACT)

FITZSIMONS BUILDING - FACADE ACCESS ROOF ANCHORS AND FALL PROTECTION (PHASE 1)

13001 East 17th Place
Aurora, CO 80045

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Enter EOR's Name Here

MIKE MATA

PROJECT NO: 22.0622.S.01
DATE: 06/05/2023

SHEET TITLE: OVERALL ROOF PLAN
SHEET NUMBER: S-1.0

OVERALL ROOF PLAN

NO SCALE

FITZSIMONS BUILDING - OVERALL ROOF PLAN

NO. ISSUE DATE
1 100% CDS 06/05/2023
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 SAFETY FACTOR)
4. TIE-BACK ANCHOR AND ORIENTATION SHOWN ON PLAN THUS:
5. EXISTING GUARDRAIL NOTED ON PLAN SHOWN THUS:
6. SELF-CLOSING GATE SHOWN ON PLAN THUS:
7. THE DIMENSIONS NOTED ON PLAN ARE APPROXIMATE LOCATION OF THE ANCHORS. GC TO VERIFY ANCHORS ARE INSTALLED ON STRUCTURAL BEAMS AS SHOWN ON DETAILS
8. GC TO COORD WITH AVI ROOFING / WEATHERSURE SYSTEMS TO MAINTAIN ROOFING WARRANTY
9. ALL PHASES SHOWN FOR CLARITY. CURRENT WORK ONLY INCLUDES PHASE 1 WORK.
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 SAFETY FACTOR)
4. TO BACK ANCHORS AND ORIENTATION SHOWN ON PLAN THIS:
5. THE DIMENSIONS NOTED ON PLAN ARE APPROXIMATE LOCATION
6. GC TO VERIFY ANCHORS ARE INSTALLED ON STRUCTURAL BEAMS AS SHOWN ON DETAILS
7. 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 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 2
- (NOT IN CONTRACT)
- INDICATES PHASE 3
- (NOT IN CONTRACT)

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IZAAK BARELA
FUMITOSHI HIROSE
ANDREW EMMONS

3/32" = 1'-0"
**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)
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.

**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.

**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

**FITZSIMONS BUILDING - FACADE ACCESS ROOF ANCHORS AND FALL PROTECTION (PHASE 1)**

**PHASE 1**

**REVISIONS**

**PROJECT NO:**

**DATE:**

**REVISIONS**

**SHEET NUMBER:**

**DESIGNERS:**
IZAAK BARELA
FUMITOSHI HIROSE
ANDREW EMMONS

**DATE PRINTED:**
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**FILE PATH:**

**PARTIAL ROOF PLAN**

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1. AT CONTRACTOR'S OPTION, PROVIDE A FORGED D-RING TO BE MANUFACTURED BY A FALL PROTECTION SUPPLIER IN LEU OF SS U-BAR. GC TO SUBMIT SUBSTITUTION REQUEST FOR APPROVAL.

2. GC TO COORD WITH AVI ROOFING / WEATHERSURE SYSTEMS TO MATCH (E) PERIMETER FALL PROTECTION GUARDRAILS.

3. GC TO VERIFY ROOFING THICKNESS, ENSURE ANCHOR HEIGHT TO BE INSPECTED BY A QUALIFIED PERSON OR PROFESSIONAL ENGINEER ANNUALLY PER ANSI Z359 AND WITHIN THE LOAD LIMITATIONS DEFINED AND SPECIFIED HEREIN.

4. GC MAY SUBSTITUTE THE ANCHOR USING APPROVED MANUFACTURERS, SEE SPECIFICATION.

5. GUARDRAILS MATCH (E) PERIMETER FALL PROTECTION SYSTEMS OTHER THAN GUARDRAILS HAVE BEEN DESIGN FOR ACTIVE FALL ARREST LOADS. HOWEVER, IT SHOULD BE NOTED THAT THE PRESENCE OF HIERARCHY OF FALL PROTECTION SYSTEMS THE SYSTEMS CONTAINED HEREIN OTHER THAN GUARDRAILS HAVE BEEN DESIGNED FOR ACTIVE FALL ARREST LOADS. HOWEVER, IT SHOULD BE NOTED THAT THE PRESENCE OF HIERARCHY OF FALL PROTECTION SYSTEMS TO BE INSPECTED BY A QUALIFIED PERSON OR PROFESSIONAL ENGINEER ANNUALLY PER ANSI Z359 AND WITHIN THE LOAD LIMITATIONS DEFINED AND SPECIFIED HEREIN. THE GUIDELINES SET FORTH IN THE CURRENT VERSION OF THE ANSI/ASSP Z359.2 STANDARD.

6. STEEL FINISH: GC TO SUBMIT SUBSTITUTION REQUEST FOR APPROVAL.

7. FALL PROTECTION EQUIPMENT INCLUDING BUT NOT LIMITED TO: ANCHORS AND FALL PROTECTION EQUIPMENT INCLUDING BUT NOT LIMITED TO: ANCHORS AND HLL SYSTEMS SHALL BE MANUFACTURED, TESTED AND MAINTAINED IN ACCORDANCE WITH THEIR RESPECTIVE AND ZERO STANDARD.

8. GC TO REPORT ANCHOR STRENGTHS ARE PROVIDED ON THE DETAIL SHEETS HEREIN.

9. Maximum anchor strengths are provided on the detail sheets herein.

10. FALL CLEARANCE IS DEFINED AS THE REQUIRED CLEARANCE DISTANCE FROM THE WORKING SURFACE TO THE NEXT LOWER LEVEL.

11. GC TO VERIFY ROOFING THICKNESS, ENSURE ANCHOR HEIGHT TO MECON TRACTIONS TO BE INCORPORATED INTO THE MANAGED FALL PROTECTION PROGRAM. GC TO CENTER POINT SHEET TO THE NEXT LOWER LEVEL.

12. 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 engineers.


15. FALL PROTECTION HARNESSES, LANYARDS, CONNECTORS, ETC. SHALL BE MANUFACTURED, TESTED AND MAINTAINED IN ACCORDANCE WITH THEIR RESPECTIVE AND ZERO STANDARD.

16. Minimum anchor strengths are provided on the detail sheets herein.

17.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 engineers.

18. THE SYSTEMS CONTAINED HEREIN OTHER THAN GUARDRAILS HAVE BEEN DESIGNED FOR ACTIVE FALL ARREST LOADS. HOWEVER, IT SHOULD BE NOTED THAT THE PRESENCE OF HIERARCHY OF FALL PROTECTION SYSTEMS THE GUIDELINES SET FORTH IN THE CURRENT VERSION OF THE ANSI/ASSP Z359.2 STANDARD.


20. GC TO REPORT ANCHOR STRENGTHS ARE PROVIDED ON THE DETAIL SHEETS HEREIN.

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31. THE SYSTEMS CONTAINED HEREIN OTHER THAN GUARDRAILS HAVE BEEN DESIGNED FOR ACTIVE FALL ARREST LOADS. HOWEVER, IT SHOULD BE NOTED THAT THE PRESENCE OF HIERARCHY OF FALL PROTECTION SYSTEMS THE GUIDELINES SET FORTH IN THE CURRENT VERSION OF THE ANSI/ASSP Z359.2 STANDARD.