

Pikes Peak REGIONAL Building Department

CODE STUDY FORM

SECTION 1.0

This form is intended to be completed using a PDF reader and must be stamped by the design professional of record. This form must be included as an attachment, or as part of the second page of the plans for all commercial projects. All information must be provided.

Address: _____ City: _____ Zip: _____

Tax Schedule Number:⁽¹⁾

Legal Description:⁽¹⁾

ZONING DISTRICT: ⁽¹⁾

FIRE JURISDICTION: ⁽¹⁾

IF OTHER, SPECIFY

⁽¹⁾ This information may be found [HERE](#)

SCOPE OF PROJECT:

PHASED PROJECTS:

| | | | |
|-----------------|----------------|------------|--------|
| Foundation Only | Superstructure | Core/Shell | Finish |
|-----------------|----------------|------------|--------|

REGULAR PROJECTS:

| | | | |
|---------------------|-----------------|----------|-------------------|
| Interior Remodel | Interior Finish | Addition | Complete Building |
| Change of Occupancy | Other | | |

SUMMARIZED DESCRIPTION OF WORK:

PRINCIPAL USE OF BUILDING:

TYPE OF CONSTRUCTION: (*International Building Code*)

| | | | | | |
|-----|------|-------|------|-------|-----|
| I-A | II-A | III-A | IV-A | IV-C | V-A |
| I-B | II-B | III-B | IV-B | IV-HT | V-B |

BUILDING HEIGHTS AND AREAS*:

| | | | |
|----------------------|-----------------|---------------------------|-----------------|
| Total Building Area: | Ft ² | Existing Building Area: | Ft ² |
| First Floor: | Ft ² | New Building Area: | Ft ² |
| Second Floor: | Ft ² | Total Height: | Ft |
| Third Floor: | Ft ² | Number of Stories: | |
| Fourth Floor: | Ft ² | Basement Area: | Ft ² |
| Fifth Floor: | Ft ² | Number of Mezzanines: | |
| Sixth Floor: | Ft ² | Mezzanine Area: | Ft ² |
| Seventh Floor: | Ft ² | Unlimited Area Buildings: | |

TOTAL AREA FOR SCOPE OF WORK: **Ft²**

* Provide per floor details, height increase (IBC 504), and area increase (IBC 506) calculations on plans if applicable. If additional stories are required, provide an additional sheet.

COMPLETION OF THIS FORM DOES NOT TAKE THE PLACE OF REQUIRED CODE DATA ON THE PLAN SET

CODE STUDY FORM

SECTION 2.0

OCCUPANCIES: *Specify all occupancies that apply and indicate the square footage of each*

Ft²

Ft²

Ft²

Ft²

Ft²

Ft²

SPECIAL USE AND OCCUPANCIES

YES

NO

List all, if more than one applies:

SEPARATION OF OCCUPANCIES:

Nonseparated Occupancies

Separated Occupancies

No Mixed Occupancies

If Nonseparated Occupancies, specify worst case occupancy:

INCIDENTAL USE AREAS: *List any incidental use areas and separation requirements.*

Use:

Separation:

Hrs

Use:

Separation:

Hrs

Use:

Separation:

Hrs

ACCESSORY OCCUPANCY AREAS: *Maximum allowed is 10%*

Accessory Occupancy:

Accessory Area:

Ft²

Accessory Occupancy:

Accessory Area:

Ft²

Accessory Occupancy:

Accessory Area:

Ft²

FIRE SPRINKLER SYSTEM: Non-Sprinklered

Sprinklered

CLASSIFICATION OF FIRE SPRINKLER SYSTEM:

FIRE ALARM SYSTEM: Not Required

Required

MEANS OF EGRESS: *For scope of work*

Exits Required:

Exits Provided:

Occupant Load:

Number of Interior Exit Stairways:

Actual Max. Travel Distance:

Ft

Interior Exit Stairway Rating:

Hrs

Actual Common Path of Travel:

Ft

Number of Fire Walls:

Corridor Rating:

Hrs.

Fire Wall Rating:

Hrs

SHAFTS: *If this building contains rated shafts, specify required shaft support*

Shaft Construction Rating:

Hrs

Supporting Construction Rating:

Hrs

RATED HORIZONTAL ASSEMBLIES: *Location, if applicable*

Structure

Dropped Ceiling

BUILDING RISK CATEGORY:

I

II

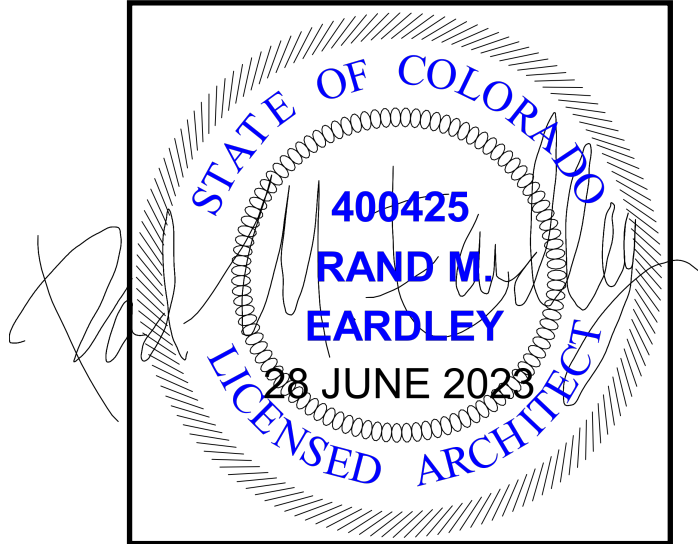
III

IV

CODE STUDY FORM

SECTION 3.0

Colorado Licensed Design



Professional Stamp

As the design professional of record, I certify this information is correct to the best of my knowledge. I further acknowledge my stamp pertains to Sections 1.0 and 2.0 only.

Rand M. Eardley

Signature

Date

Was a formal Pre-Submittal Consultation with
Pikes Peak Regional Building Department performed for this project? YES NO

With whom: _____

Is this project designated as official RAPID RESPONSE? YES NO

If so, please attach the RAPID RESPONSE CERTIFICATE to this form prior to submittal.

CONTACT INFORMATION:

Project Contact Name

Email address:

Phone Number:

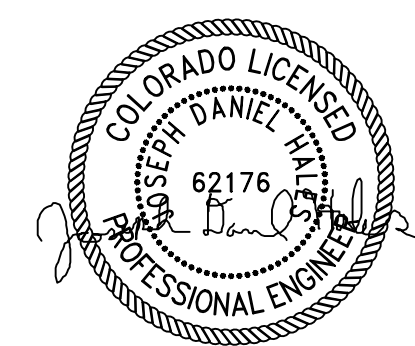
Fax Number:

CODE STUDY FORM

SECTION 4.0

| | Yes | No |
|--|--------------------------|--------------------------|
| Does the scope of work involve a change of occupancy classification? If yes, what was the most recent existing use? Proposed use? | <input type="checkbox"/> | <input type="checkbox"/> |
| Will marijuana be cultivated, processed or dispensed at this location? If yes, mark all activities that will apply: Dispensary Cultivation Processing Extraction** | <input type="checkbox"/> | <input type="checkbox"/> |
| **Extraction activities will require this form: http://www.springsgov.com/SIB/files/2015%20HO%20Submission%20Certification%20Form(5).pdf | | |
| If applicable, is the approved Development Plan included with this submittal? | <input type="checkbox"/> | <input type="checkbox"/> |
| Does this project disturb 1 or more acres, or have construction activities that are a part of a larger common plan of development or sale? If yes, a City of Colorado Springs, Stormwater Enterprise Division, Grading and Erosion Control Permit and plan is required https://coloradosprings.gov/stormwater-enterprise/page/grading-and-erosion-control-permit?mliid=6156 | <input type="checkbox"/> | <input type="checkbox"/> |
| Does this project include an elevator, escalator, platform lift, chair lift, dumbwaiter, or other method of conveyance? | <input type="checkbox"/> | <input type="checkbox"/> |
| Is this permit for the purposes of finishing an existing core and shell permit (first time finish of the space)? | <input type="checkbox"/> | <input type="checkbox"/> |
| Is this a food establishment (equipment locations must be shown on plans)? | <input type="checkbox"/> | <input type="checkbox"/> |
| Does the scope of work include a swimming pool? | <input type="checkbox"/> | <input type="checkbox"/> |
| Does the scope of work have venting equipment (hoods, catalytic oxidizers, scrubbers)? | <input type="checkbox"/> | <input type="checkbox"/> |
| If applicable, are the approved civil construction drawings (including utility service plan) included in submittal? | <input type="checkbox"/> | <input type="checkbox"/> |
| Will there be any new utility meters or changes to existing meters? If yes, which are affected (check): Gas Electric Water Gas: Existing load Proposed load Electric: Existing load Proposed load Water: Existing load Proposed load Note: Commercial Water Meter Sizing Form required if any changes to water meter or significant fixture count changes are proposed | <input type="checkbox"/> | <input type="checkbox"/> |
| Will vehicle maintenance or vehicle storage (parking garage) activities occur? If yes, state square footage of area this will occur: | <input type="checkbox"/> | <input type="checkbox"/> |
| Will Electric Vehicle (EV) charging stations be installed? If yes, specify location and level (1, 2, or 3): | <input type="checkbox"/> | <input type="checkbox"/> |
| Is a sand/oil or grease interceptor proposed? If yes, state size: | <input type="checkbox"/> | <input type="checkbox"/> |
| Is an internal grease trap proposed? <i>If yes, contact CSU at FOG@csu.org to discuss a variance</i> | <input type="checkbox"/> | <input type="checkbox"/> |
| Is there a backflow prevention device indicated (hose bib locations must be shown on plan)? | <input type="checkbox"/> | <input type="checkbox"/> |
| Per IFC Chapter 50, does the scope of work include any hazardous materials? If the project is located within the City of Colorado Springs, attach a Hazardous Material Inventory Statement (HMIS) - available at https://coloradosprings.gov/hazmat?mliid=42381 If the project is outside the City of Colorado Springs, contact the appropriate Fire Jurisdiction | <input type="checkbox"/> | <input type="checkbox"/> |
| Per IFC Chapter 32, does the scope of work involve the stacking of commodities higher than 12' or high hazard commodities higher than 6' AFF? If the project is located within the City of Colorado Springs, attach a High Pile Storage Questionnaire form - available at https://coloradosprings.gov/sites/default/files/inline-images/2015_ifc_hps_questionnaire.pdf If the project is outside the City of Colorado Springs, contact the appropriate Fire Jurisdiction | <input type="checkbox"/> | <input type="checkbox"/> |
| Per IFC 905, does the scope of work require fire protection standpipes? If yes, indicate reason and cite code reference: | <input type="checkbox"/> | <input type="checkbox"/> |
| Per IBC 904, does the scope of work or building require a fixed fire protection system? | <input type="checkbox"/> | <input type="checkbox"/> |
| Per IBC 909, does the scope of work include a smoke control system? If yes, indicate type (check): Passive Active | <input type="checkbox"/> | <input type="checkbox"/> |
| Does the scope of the work include a childcare facility? | <input type="checkbox"/> | <input type="checkbox"/> |
| Does the scope of the work include a Body Art (tattoo, piercing, etc.) facility? | <input type="checkbox"/> | <input type="checkbox"/> |
| Specify total earthmoving area of project in square feet: | <input type="checkbox"/> | <input type="checkbox"/> |
| Will the disturbance be at least 1 acre, but less than 25 acres of land, <u>and</u> the disturbance period will be 6 months or less? If yes, submit a construction Activity Permit Application to EPC Public Health: http://www.elpasocountyhealth.org/service/air-quality/construction-activity-application . | <input type="checkbox"/> | <input type="checkbox"/> |
| Will the disturbance be 25 or more acres of land, <u>or</u> the disturbance period will exceed 6 months? If yes, submit an Air Pollution Emission Notice to the Colorado Department of Public Health and Environment: https://www.colorado.gov/pacific/cdphe/air/apens-and-permits | <input type="checkbox"/> | <input type="checkbox"/> |

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PROJECT NAME:
**RCH VALLEY
 875 VALLEY STREET**

RCH VALLEY SITE/DEMO LITATION PLAN

CLIENT NAME:
 HHI CORPORATION

DRAWING TITLE:

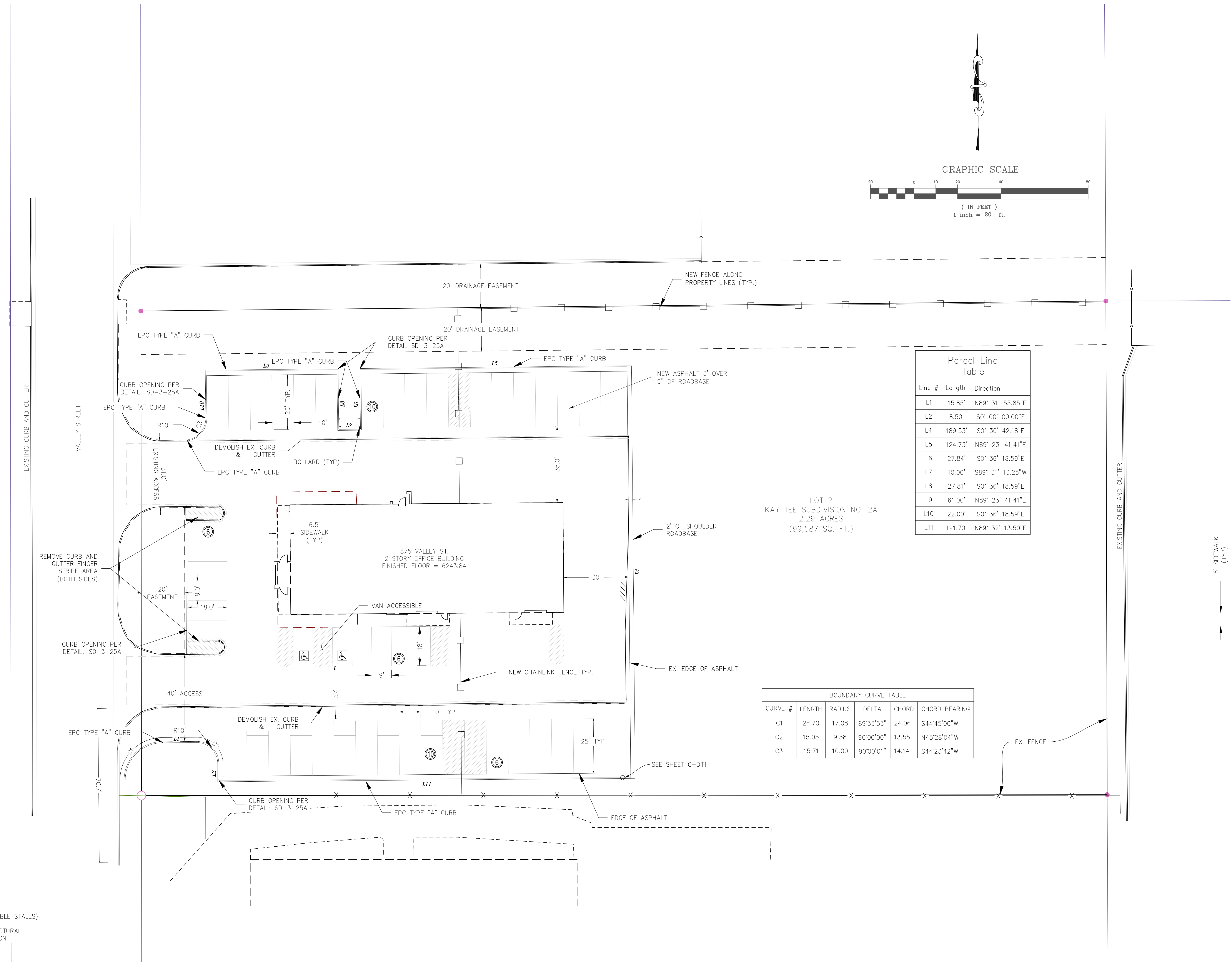
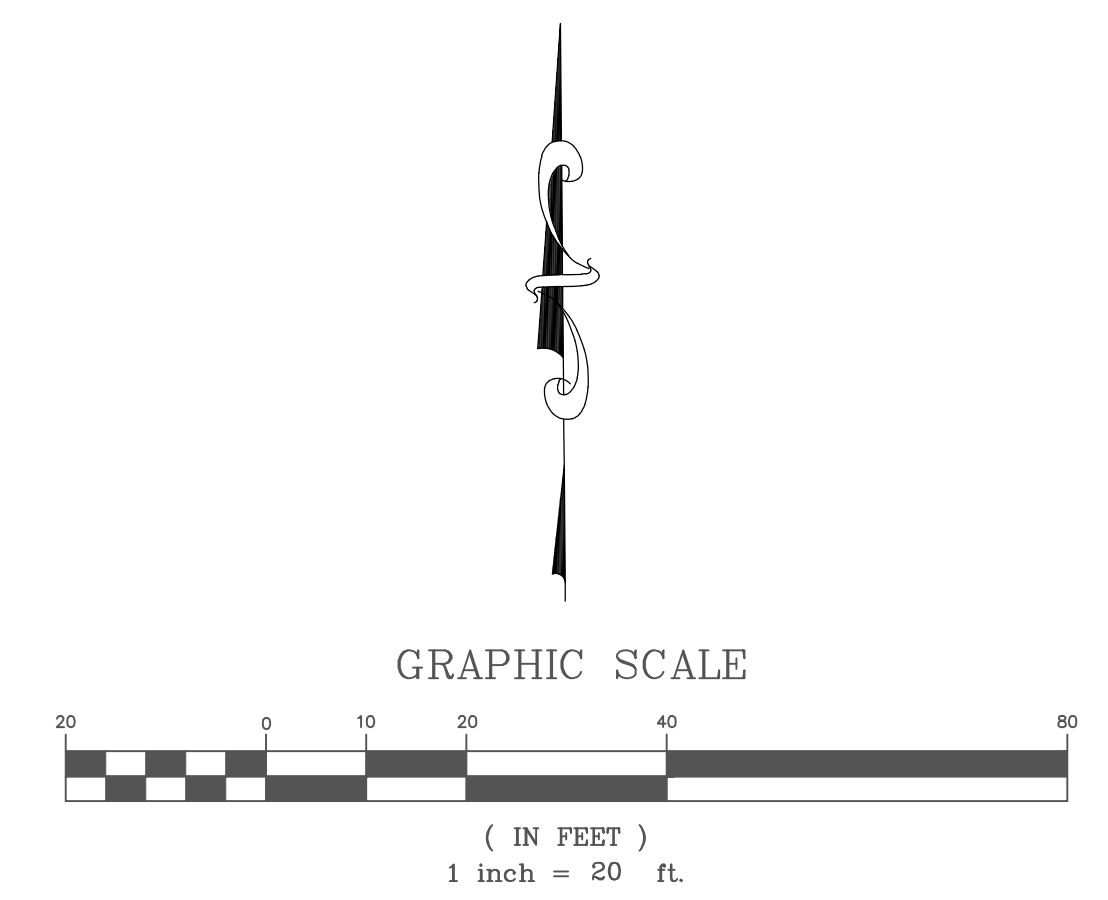
PLOT DATE:
 10-20-2023

DRAWN BY / REVIEWED BY:
 RJW/JDH

REVISIONS:

PRINTED FOR:
 FOR USE

SHEET:
C-1



| Line # | Length | Direction |
|--------|---------|------------------|
| L1 | 15.85' | N89° 31' 55.85"E |
| L2 | 8.50' | S0° 00' 00.00"E |
| L4 | 189.53' | S0° 30' 42.18"E |
| L5 | 124.73' | N89° 23' 41.41"E |
| L6 | 27.84' | S0° 36' 18.59"E |
| L7 | 10.00' | S89° 31' 13.25"W |
| L8 | 27.81' | S0° 36' 18.59"E |
| L9 | 61.00' | N89° 23' 41.41"E |
| L10 | 22.00' | S0° 36' 18.59"E |
| L11 | 191.70' | N89° 32' 13.50"E |

LOT 2
 KAY TEE SUBDIVISION NO. 2A
 2.29 ACRES
 (99,587 SQ. FT.)

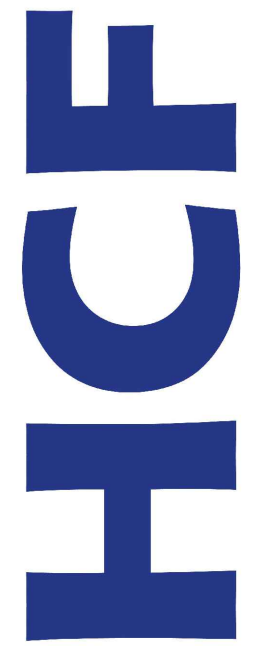
| CURVE # | LENGTH | RADIUS | DELTA | CHORD | CHORD BEARING |
|---------|--------|--------|-----------|-------|---------------|
| C1 | 26.70 | 17.08 | 89°33'53" | 24.06 | S44°45'00"W |
| C2 | 15.05 | 9.58 | 90°00'00" | 13.55 | N45°28'04"W |
| C3 | 15.71 | 10.00 | 90°00'01" | 14.14 | S44°23'42"W |

NOTES:
 2 ACCESSIBLE STALLS
 32 PUBLIC STALL (INCLUDES ACCESSIBLE STALLS)
 12 PRIVATE STALLS
 REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR BUILDING CONSTRUCTION

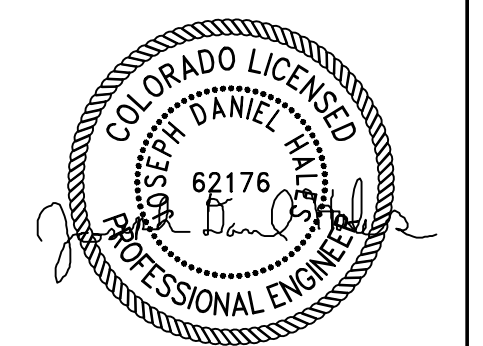
RIM: 6245.76
 N INV (12" PVC): 6232.75
 S INV (12" PVC): 6232.72

LOT 2
 KAY TEE SUBDIVISION NO. 2B
 OWNER: BURLEY LLC.

8160 SOUTH HIGHLAND DRIVE
 SUITE 106, SANDY UTAH 84093
 385-557-1500



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PROJECT NAME:
 RCH VALLEY
 875 VALLEY STREET
 UTILITY & GRADING PLAN

CLIENT NAME:
 HHI CORPORATION

DRAWING TITLE:
 UTILITY AND GRADING

PLOT DATE:
 10-20-2023

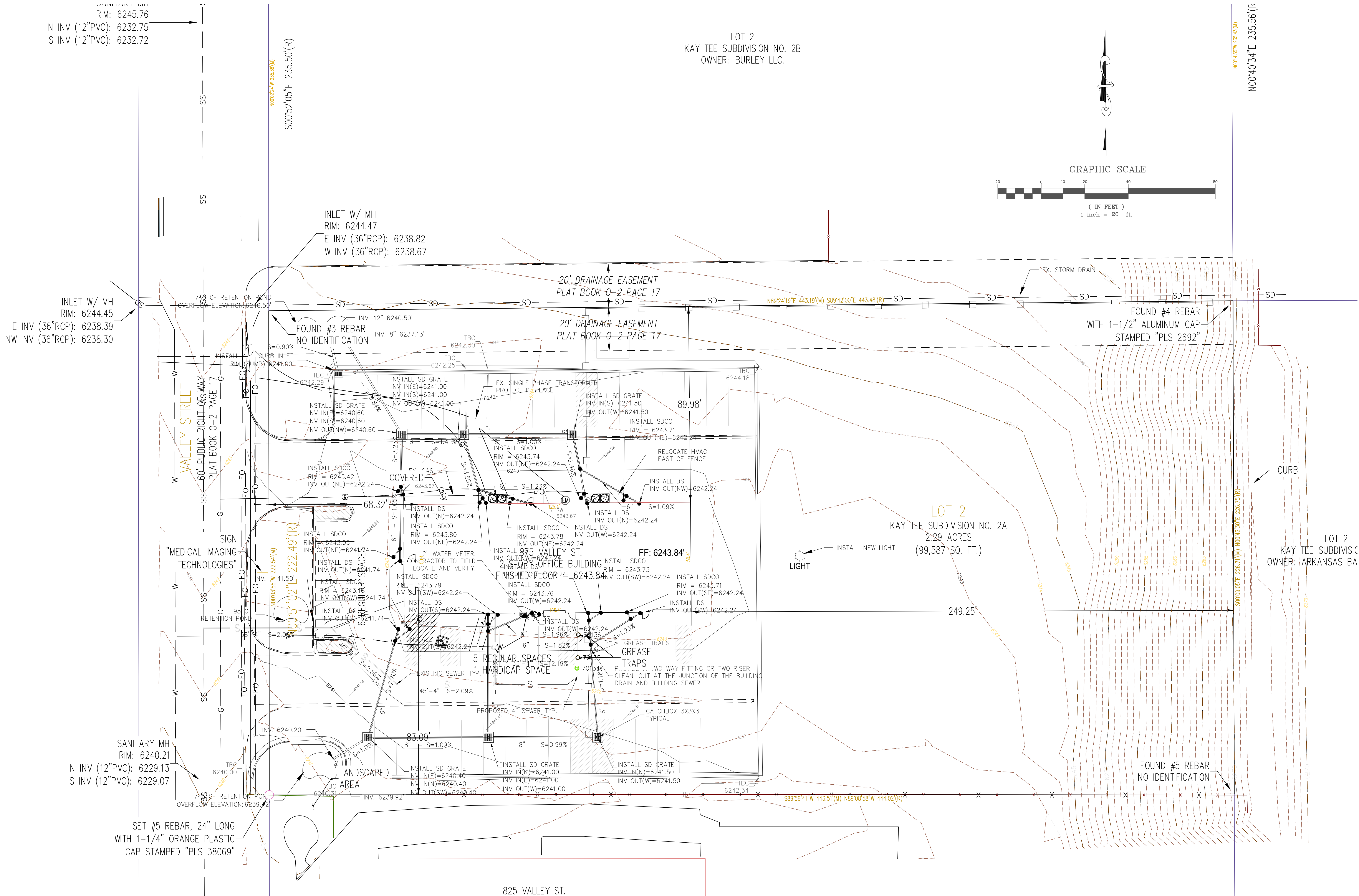
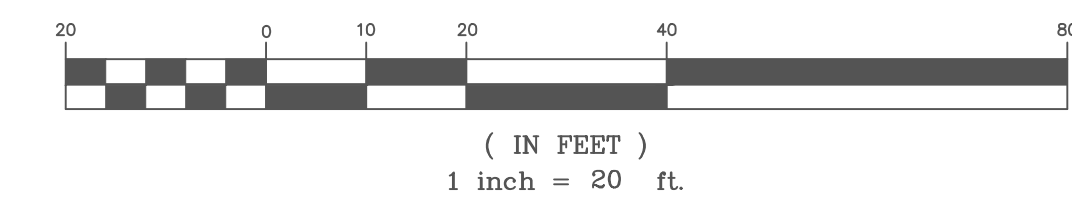
DRAWN BY / REVIEWED BY:
 RJW/JDH

REVISIONS:

PRINTED FOR:
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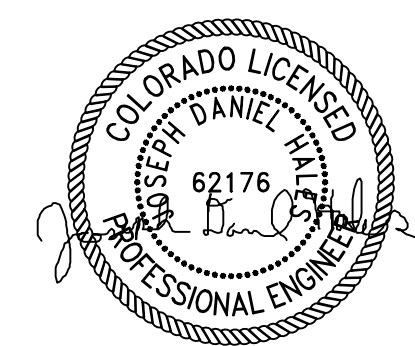
SHEET:
 C-2

GRAPHIC SCALE



NOTES:
 ALL STORM DRAIN TO BE PVC SDR-26 WITH A MINIMUM 1% SLOPE
 TOP OF GRATE SHALL BE 3" BELOW ASPHALT FINISHED SURFACE

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PROJECT NAME:
**RCH VALLEY
 875 VALLEY STREET**

DETAILS

CLIENT NAME:
 HHI CORPORATION

DRAWING TITLE:

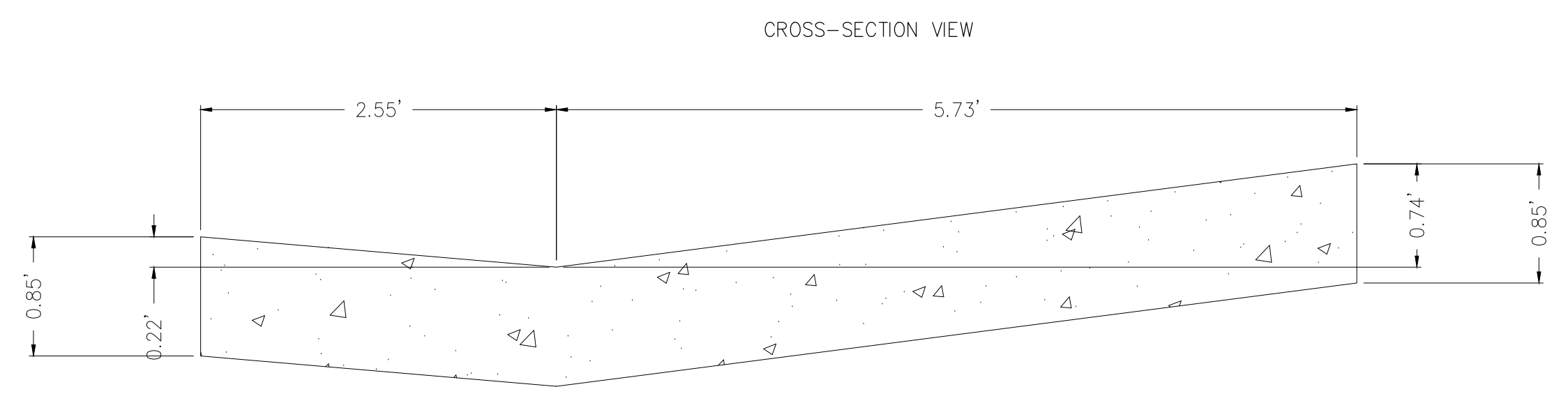
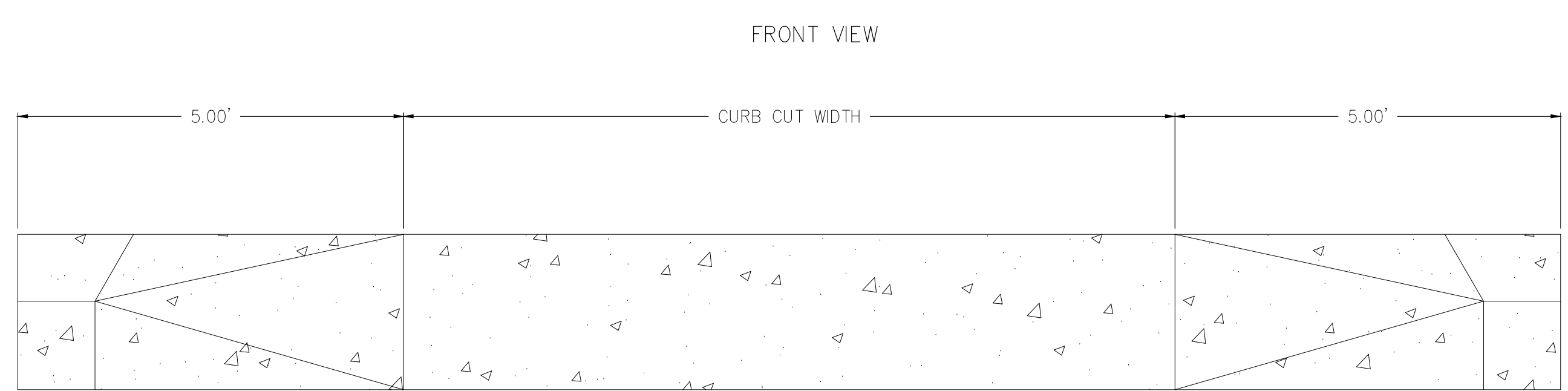
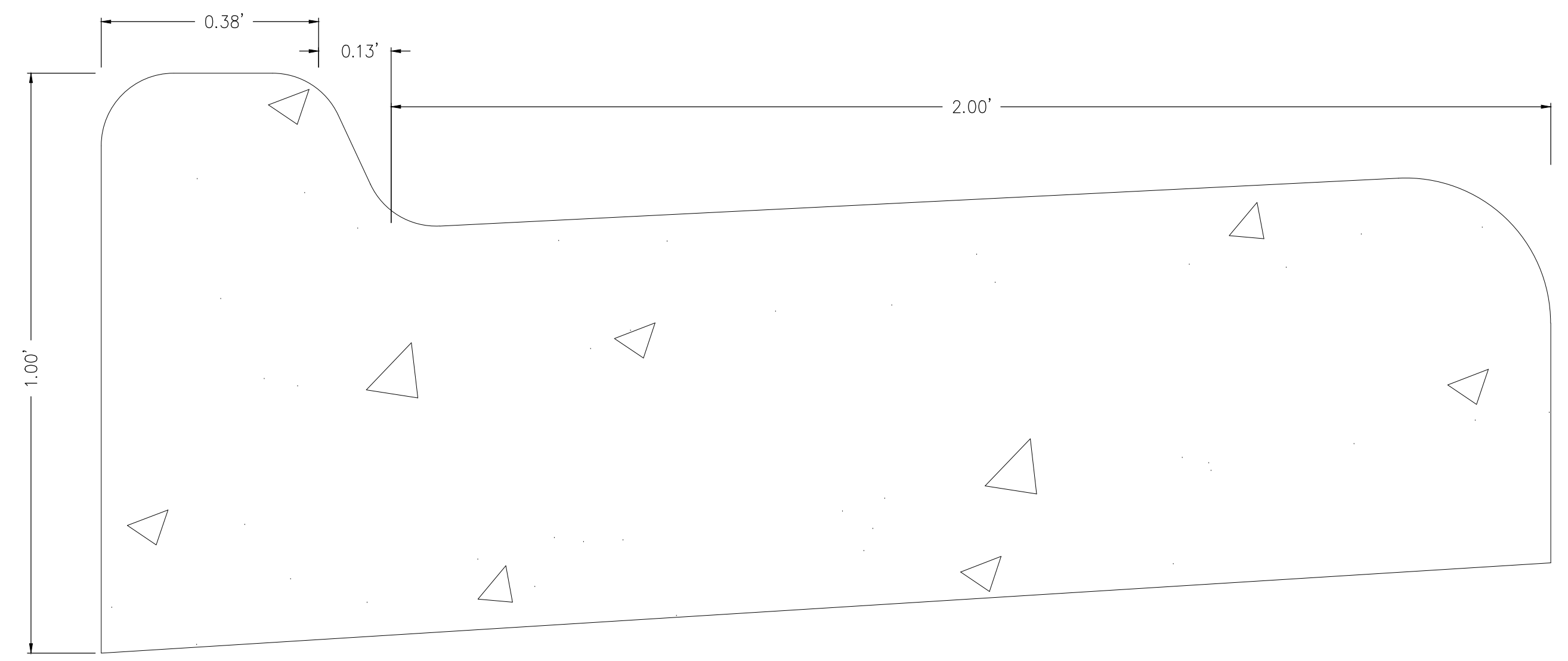
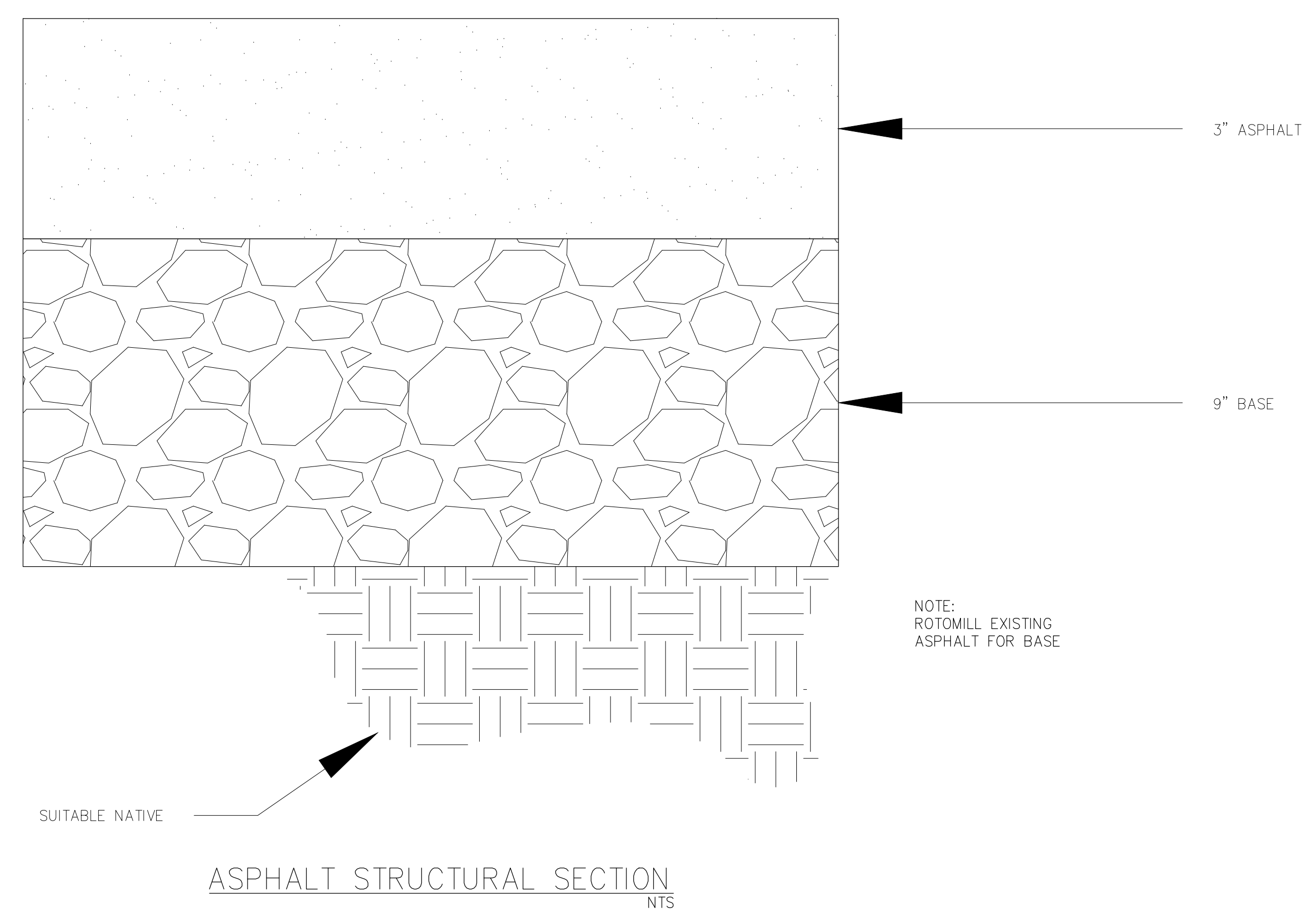
PLOT DATE:
 10-20-2023

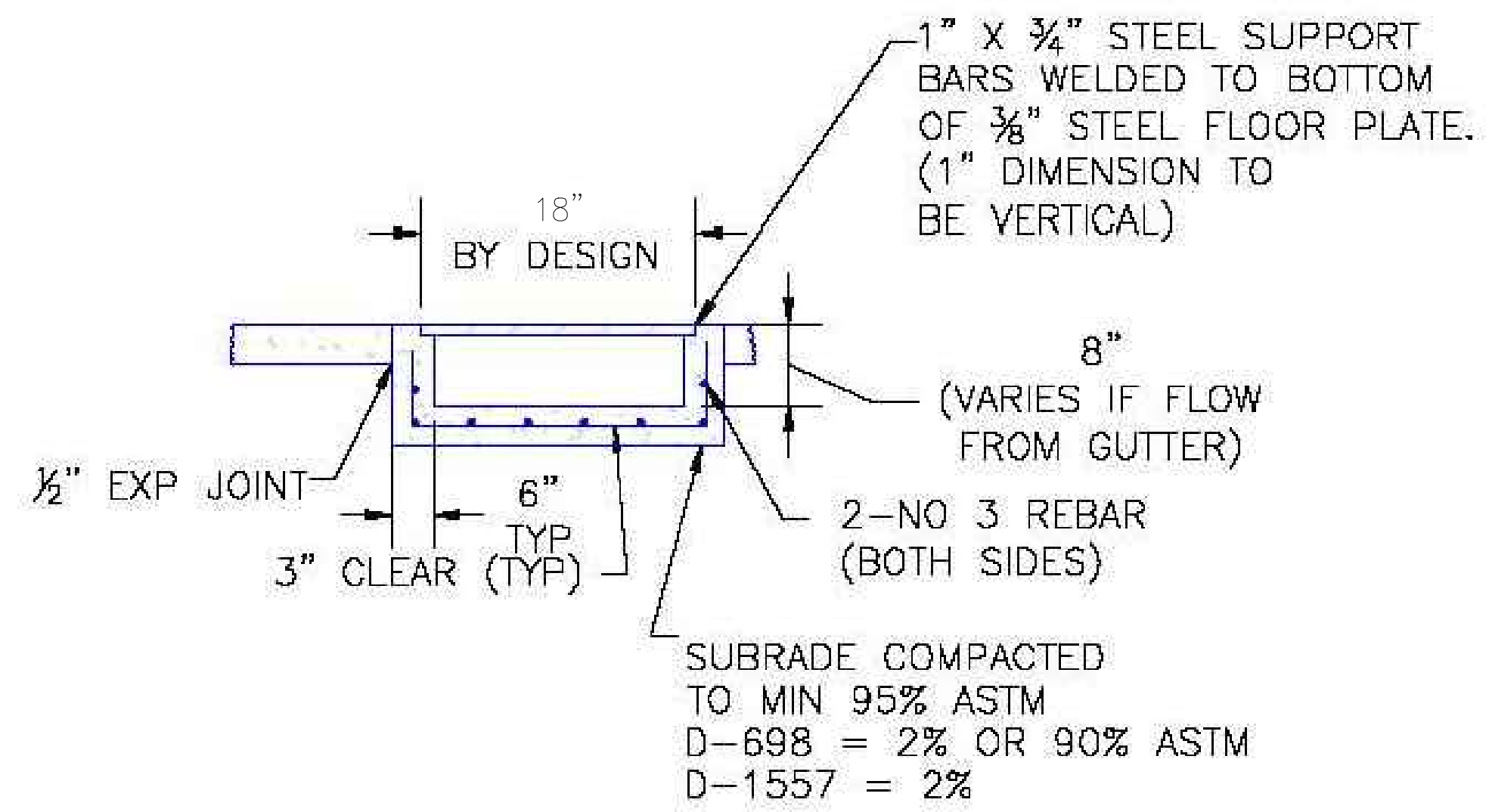
DRAWN BY / REVIEWED BY:
 RJW/JDH

REVISIONS:
 -

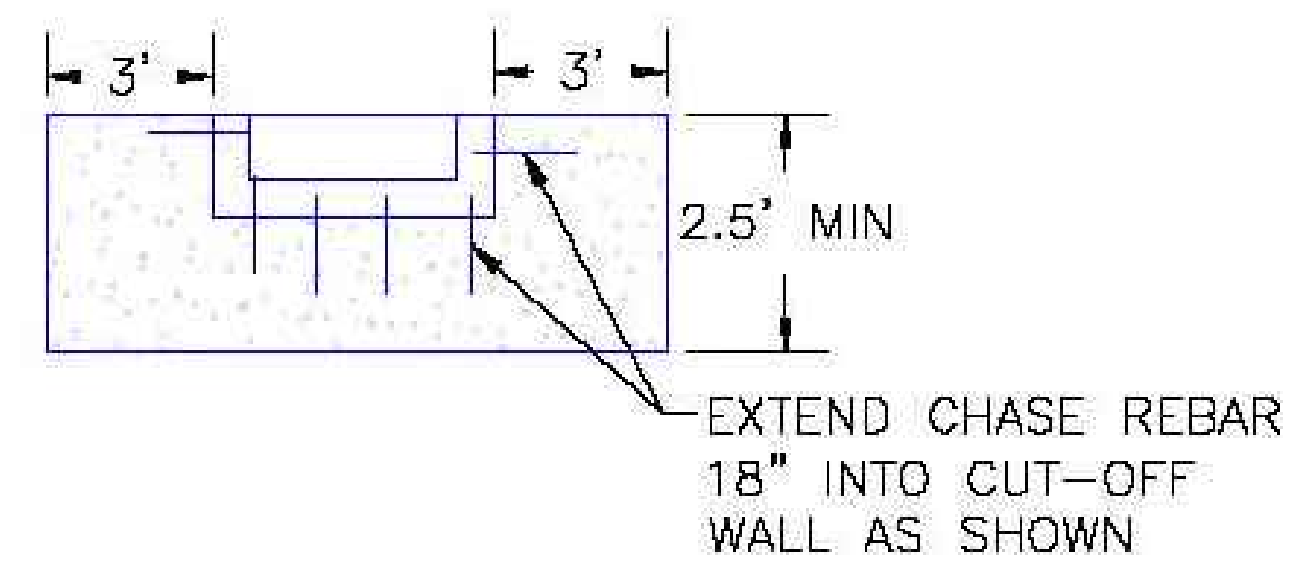
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 FOR USE

SHEET:
DT-1





SECTION B-B

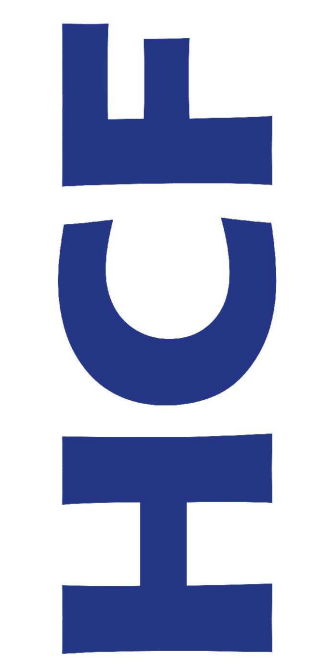


SECTION C-C

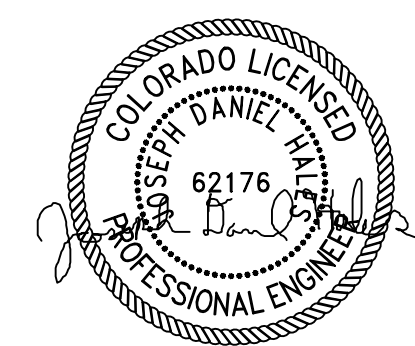
SCALE: NOT TO SCALE

| | | |
|--|---|-----------------------------------|
| <p>8/11/11</p> <p>DATE APPROVED:</p> <p>André P. Brackin</p> <p>DEPARTMENT OF TRANSPORTATION</p> | <p>Curb Opening with Drainage Chase Detail 2 of 2</p> <p>Standard Drawing</p> | |
| | <p>REVISION DATE:</p> <p>11/10/04</p> | <p>FILE NAME:</p> <p>SD_3-25A</p> |

8160 SOUTH HIGHLAND DRIVE
SUITE 106, SANDY UTAH 84093
385-557-1500



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| | |
|--|----------------|
| <p>PROJECT NAME:</p> <p>RCH VALLEY 875 VALLEY STREET</p> | <p>DETAILS</p> |
| <p>CLIENT NAME:</p> <p>HHI CORPORATION</p> | |
| <p>DRAWING TITLE:</p> | |
| <p>PLOT DATE:</p> <p>10-20-2023</p> | |
| <p>DRAWN BY / REVIEWED BY:</p> <p>RJW/JDH</p> | |
| <p>REVISIONS:</p> <p>---</p> | |
| <p>PRINTED FOR:</p> <p>FOR USE</p> | |
| <p>SHEET:</p> <p>DT-2</p> | |

STRUCTURAL NOTES:

A. GENERAL

- 1. THE STRUCTURAL NOTES ARE INTENDED TO COMPLEMENT THE PROJECT SPECIFICATIONS WHICH ARE PART OF THE CONSTRUCTION DOCUMENTS. SPECIFIC NOTES AND DETAILS ON THE DRAWINGS SHALL GOVERN OVER THE STRUCTURAL NOTES AND TYPICAL DETAILS.
2. THESE DRAWINGS (AND, WHERE APPLICABLE, ACCOMPANYING WRITTEN SPECIFICATIONS) ARE THE ONLY CONTRACT DOCUMENTS PROVIDED BY ARW ENGINEERS FOR THE PROJECT REPRESENTED HEREIN. NOTHING IN THIS PROJECT MANUAL OR DIGITAL FILE RELATED TO THIS PROJECT SHALL BE TAKEN TO SUPERSEDE ANY INFORMATION SHOWN IN THESE DRAWINGS (INCLUDING, BUT NOT LIMITED TO, DIMENSIONS, SIZES, ETC).

B. STATEMENT OF SPECIAL INSPECTIONS AND SPECIAL INSPECTIONS

- 1. THE DESIGNATED SEISMIC/WIND SYSTEMS AND SEISMIC/WIND-FORCE-RESISTING SYSTEMS THAT ARE SUBJECT TO SPECIAL INSPECTIONS IN ACCORDANCE WITH IBC SECTION 1705.11 AND 1705.12 ARE IDENTIFIED ON THESE DOCUMENTS WITH A CIRCLE "I". ALL OTHER ITEMS REQUIRING SPECIAL INSPECTION ARE IDENTIFIED IN THE SPECIAL INSPECTION SCHEDULE ON SHEET S013.
2. SPECIAL INSPECTIONS AND TESTING ARE TO BE PROVIDED AS REQUIRED BY IBC SECTIONS 1704 THROUGH 1706 AND OTHER APPLICABLE SECTIONS OF THE IBC. THE TYPE AND FREQUENCY OF TESTING AND SPECIAL INSPECTIONS SHALL BE AS NOTED IN THE SPECIAL INSPECTION SCHEDULE, JOB SPECIFICATIONS, AND ACCORDANCE WITH IBC SECTION 110 AND CHAPTER 17. CONTRACTOR SHALL COORDINATE AND COOPERATE WITH REQUIRED INSPECTIONS.

C. BASIS OF DESIGN

- 1. GOVERNING BUILDING CODE: INTERNATIONAL BUILDING CODE (IBC) 2015
2. RISK CATEGORY: II
3. MEZZANINE LOADS
a. LIVE LOAD = 80 PSF UNREDUCED
b. DEAD LOAD = 28 PSF

D. FOUNDATION

- 1. GENERAL
a. DESIGN SOIL PRESSURE : 2000 PSF
b. SOILS REPORT BY: NORTH AMERICAN TESTING, INC. DATED: AUGUST 1, 2023
c. SOIL PREPARATION UNDER FOUNDATIONS AND SLABS-ON-GRADE SHALL BE IN ACCORDANCE WITH THE SOILS REPORT.

E. CONCRETE

- 1. ALL CONCRETE MIX DESIGNS SHALL COMPLY WITH THE PROJECT SPECIFICATIONS AND THE REQUIREMENTS LISTED BELOW:
a. FOOTINGS, GRADE BEAMS, FOUNDATION WALLS
1. WHERE THE TOP OF THE ELEMENT IS EXPOSED OR IS LOCATED WITHIN 30" OF THE LOWEST ADJACENT GRADE (EXPOSURE CATEGORY F2):
a. 28 DAY COMPRESSIVE STRENGTH: 4500 PSI
b. MAXIMUM W/C RATIO: 0.45
c. MAXIMUM AGGREGATE SIZE: 1"

Table with columns: TOP & BOTTOM BARS, VERTICAL, HORIZONTAL. Includes notes on reinforcement for concrete slabs and joints.

F. ANCHOR BOLTS/EMBEDDED BOLTS

- 1. ALL ANCHOR BOLTS SHALL HAVE ASTM A-563 HEAVY HEX NUT AND ASTM A-308 WASHERS AT STANDARD OR OVERSIZED HOLES PER AISC SPECIFICATION TABLE J3.3. WHERE HOLE SIZES DO NOT COMPLY WITH THE LIMITATIONS FOR OVERSIZED HOLES THE STRUCTURAL ENGINEER SHALL BE NOTIFIED TO DETERMINE STEEL PLATE WASHER REQUIREMENTS. ANCHOR BOLTS SHALL COMPLY WITH THE FOLLOWING:
a. AT BRACED FRAMES & MOMENT RESISTING FRAMES - ASTM F1554 GRADE 105 HEADED BOLTS (ASTM A449 THREADED ROD MAY BE USED WITH DOUBLE NUT AND WASHER.)

G. ADHESIVE/MECHANICAL ANCHORS

- 1. WITHOUT WRITTEN APPROVAL OF THE ENGINEER, CONTRACTOR SHALL NOT SUBSTITUTE POST-INSTALLED ANCHORS WHERE CAST-IN-PLACE ANCHORS ARE SPECIFIED IN THE DRAWINGS.
2. WHERE STRUCTURAL DETAILS SPECIFY SPECIFIC BRANDS AND/OR TYPES OF ADHESIVES OR ANCHORS, SUBSTITUTIONS OF OTHER BRANDS AND/OR TYPES IS NOT ALLOWED, WITHOUT WRITTEN APPROVAL OF THE ENGINEER.

H. REINFORCING STEEL

- 1. REINFORCING BAR STRENGTH REQUIREMENTS:
a. ALL REINFORCING BARS SHALL CONFORM TO ASTM STANDARD A-615 GRADE 60 AND ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM STANDARD A-1064 AND SHALL BE SUPPLIED IN FLAT SHEETS, ADEQUATELY TIE AND SUPPORT ALL REINFORCING STEEL AS SPECIFIED BY ACI 117, TO MAINTAIN EXACT REQUIRED POSITION.
2. HEADED SHEAR STUD ASSEMBLIES SHALL CONFORM TO ASTM A1044.

STRUCTURAL NOTES CONTINUED ON SHEET S002

LEGEND OF SYMBOLS AND ABBREVIATIONS

Legend of symbols and abbreviations table. Includes symbols for footing mark, section mark, sheet number, footing step, concrete beam, framing angle, framing channel, items, details, & systems, braced frame, moment resisting connections, and kicker brace.

Structural Sheet Index table. Columns: SHEET NUMBER, SHEET NAME. Lists sheets S001 through S301.



EA SOLUTIONS
324 S. State Street, Suite 444
Salt Lake City, UT 84111
www.easolutions.us
385-549-8800

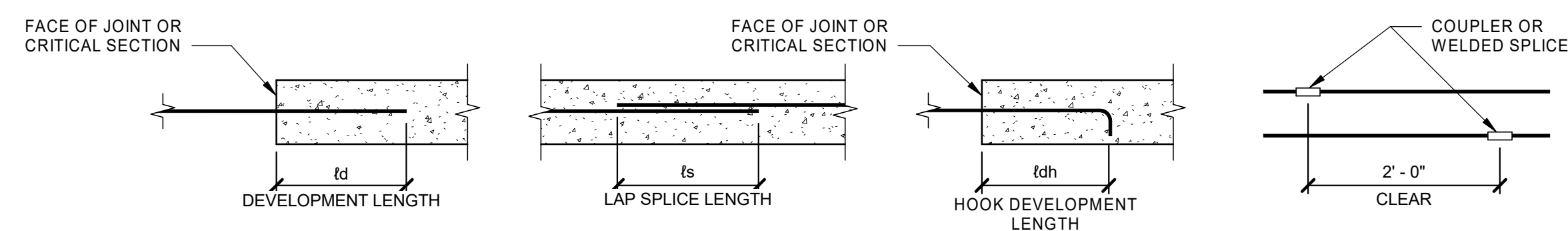
Revision table with columns: Date, Description, Rev. Includes revision 1 for REVIEW COMMENTS and revision 2 for PERMIT SET.

RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

STRUCTURAL NOTES
SHEET NUMBER
S001

2015 IBC CONCRETE REBAR LAP SPLICE SCHEDULE

FOR CONCRETE APPLICATIONS (ACI 318 - 14)



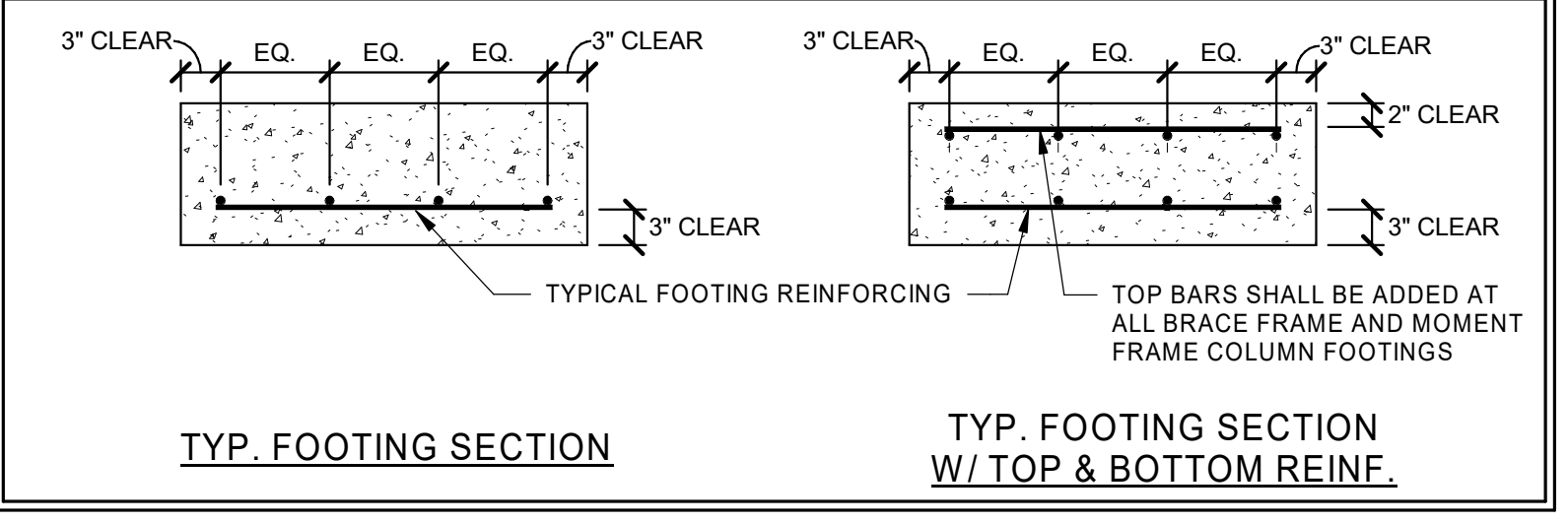
| BAR LOCATION | CONCRETE REINFORCING & SPLICE LENGTHS (IN) | | | | | | | | | | | | | | | | | | | | | | | | COMMENTS | | | | | |
|-------------------------------------|--|----------|----------|-----|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|-----|----------|----|-----|-----|----|--|
| | CONCRETE | | BAR SIZE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TYPE | STRENGTH | #3 | | | #4 | | | #5 | | | #6 | | | #7 | | | #8 | | | #9 | | | #10 | | | #11 | | | |
| | | ld | ts | tdh | ld | ts | tdh | ld | ts | tdh | ld | ts | tdh | ld | ts | tdh | ld | ts | tdh | ld | ts | tdh | ld | ts | tdh | ld | ts | tdh | | |
| VERT. WALL BARS, FILL ON METAL DECK | NWC | 3000 PSI | 17 | 22 | 8 | 22 | 29 | 8 | 28 | 36 | 10 | 33 | 43 | 12 | 48 | 62 | 13 | 55 | 72 | 15 | 62 | 81 | 17 | 69 | 90 | 19 | 76 | 99 | 30 | |
| HORIZ. WALL BARS, FOOTING TOP BARS | NWC | 3000 PSI | 22 | 29 | 8 | 29 | 38 | 11 | 36 | 47 | 14 | 43 | 56 | 16 | 63 | 82 | 19 | 72 | 94 | 22 | 81 | 105 | 25 | 90 | 117 | 27 | 98 | 127 | 30 | |
| BEAM BOTTOM BARS, COLUMN BARS | NWC | 3000 PSI | 17 | 22 | 8 | 22 | 29 | 11 | 28 | 36 | 14 | 33 | 43 | 16 | 48 | 62 | 19 | 55 | 72 | 22 | 62 | 81 | 25 | 69 | 90 | 27 | 76 | 99 | 30 | |
| FOOTING BOTTOM BARS | NWC | 3000 PSI | 12 | 16 | 8 | 14 | 18 | 8 | 17 | 22 | 10 | 20 | 26 | 12 | 29 | 38 | 13 | 33 | 43 | 15 | 37 | 48 | 17 | 42 | 55 | 19 | 46 | 60 | 30 | |
| SLAB TOP BARS, BEAM TOP BARS | NWC | 3000 PSI | 22 | 29 | 8 | 29 | 38 | 11 | 36 | 47 | 14 | 43 | 56 | 16 | 63 | 82 | 19 | 72 | 94 | 22 | 81 | 105 | 25 | 90 | 117 | 27 | 98 | 127 | 30 | |
| SLAB ON GRADE | NWC | 3000 PSI | 12 | 16 | 8 | 14 | 18 | 8 | 17 | 22 | 10 | 20 | 26 | 12 | 32 | 42 | 13 | 42 | 55 | 15 | 53 | 69 | 17 | 69 | 90 | 19 | 76 | 99 | 30 | |

| BAR LOCATION | CONCRETE REINFORCING & SPLICE LENGTHS (IN) | | | | | | | | | | | | | | | | | | | | | | | | COMMENTS | | | | | | |
|-------------------------------------|--|----------|----------|-----|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|----|-----|----|-----|----------|----|-----|-----|----|----|-----|
| | CONCRETE | | BAR SIZE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TYPE | STRENGTH | #3 | | | #4 | | | #5 | | | #6 | | | #7 | | | #8 | | | #9 | | | #10 | | | #11 | | | | |
| | | ld | ts | tdh | ld | ts | tdh | ld | ts | tdh | ld | ts | tdh | ld | ts | tdh | ld | ts | tdh | ld | ts | tdh | ld | ts | tdh | ld | ts | tdh | ld | ts | tdh |
| VERT. WALL BARS, FILL ON METAL DECK | NWC | 4500 PSI | 14 | 18 | 7 | 18 | 23 | 6 | 23 | 30 | 8 | 27 | 35 | 9 | 40 | 52 | 11 | 45 | 59 | 13 | 51 | 66 | 14 | 56 | 73 | 16 | 62 | 81 | 25 | | |
| HORIZ. WALL BARS, FOOTING TOP BARS | NWC | 4500 PSI | 18 | 23 | 7 | 24 | 31 | 9 | 30 | 39 | 11 | 35 | 46 | 13 | 51 | 66 | 16 | 59 | 77 | 18 | 66 | 86 | 20 | 73 | 95 | 22 | 80 | 104 | 25 | | |
| BEAM BOTTOM BARS, COLUMN BARS | NWC | 4500 PSI | 14 | 18 | 7 | 18 | 23 | 9 | 23 | 30 | 11 | 27 | 35 | 13 | 40 | 52 | 16 | 45 | 59 | 18 | 51 | 66 | 20 | 56 | 73 | 22 | 62 | 81 | 25 | | |
| FOOTING BOTTOM BARS | NWC | 4500 PSI | 12 | 16 | 7 | 12 | 16 | 6 | 14 | 18 | 8 | 17 | 22 | 9 | 24 | 31 | 11 | 27 | 35 | 13 | 31 | 40 | 14 | 34 | 44 | 16 | 37 | 48 | 25 | | |
| SLAB TOP BARS, BEAM TOP BARS | NWC | 4500 PSI | 18 | 23 | 7 | 24 | 31 | 9 | 30 | 39 | 11 | 35 | 46 | 13 | 51 | 66 | 16 | 59 | 77 | 18 | 66 | 86 | 20 | 73 | 95 | 22 | 80 | 104 | 25 | | |
| SLAB ON GRADE | NWC | 4500 PSI | 12 | 16 | 7 | 12 | 16 | 6 | 14 | 18 | 8 | 17 | 22 | 9 | 27 | 35 | 11 | 34 | 44 | 13 | 44 | 57 | 14 | 56 | 73 | 16 | 62 | 81 | 25 | | |

NOTES:
 1. MECHANICAL COUPLERS MAY BE USED IN LIEU OF LAP SPLICES SHOWN. SEE STRUCTURAL NOTES FOR MINIMUM COUPLER CAPACITY. WHERE MECHANICAL COUPLERS ARE USED, STAGGER ADJACENT SPLICES A MINIMUM OF 24" AS INDICATED ABOVE.
 2. LENGTHS INDICATED IN THIS SCHEDULE SHALL BE INCREASED BY 50% FOR STRAIGHT BAR DEVELOPMENT AND 20% FOR HOOKED BARS WHERE EPOXY COATING IS USED.
 3. WHEN SPLICING BARS OF DIFFERENT SIZES, USE LAP SPLICE LENGTH OF LARGER BARS UNO.
 4. SPLICE BARS LARGER THAN #11 USING MECHANICAL COUPLERS.
 5. SLAB TOP BARS ONLY FOR SLABS 12" OR GREATER IN THICKNESS.

FOOTING SCHEDULE

| MARK | WIDTH | LENGTH | THICK | LENGTHWISE REINF. | | CROSSWISE REINF. | | | REMARKS |
|-------|--------|--------|-------|-------------------|------|------------------|------|------|---------------------|
| | | | | NO. | SIZE | NO. | SIZE | SPA. | |
| FC2 | 2'-0" | CONT. | 12" | (2) | #5 | -- | -- | -- | |
| FS4 | 4'-0" | 4'-0" | 16" | (4) | #5 | (4) | #5 | -- | REINF. TOP & BOTTOM |
| FS6 | 6'-0" | 5'-0" | 12" | (6) | #5 | (6) | #5 | -- | |
| F2.5 | 2'-6" | 2'-6" | 12" | (3) | #5 | (3) | #5 | -- | |
| F3 | 3'-0" | 3'-0" | 12" | (3) | #5 | (3) | #5 | -- | |
| F3.5 | 3'-6" | 3'-6" | 12" | (3) | #5 | (3) | #5 | -- | |
| F4 | 4'-0" | 4'-0" | 12" | (4) | #5 | (4) | #5 | -- | |
| F4.5 | 4'-6" | 4'-6" | 12" | (4) | #5 | (4) | #5 | -- | |
| F5 | 5'-0" | 5'-0" | 12" | (5) | #5 | (5) | #5 | -- | |
| F5.5 | 5'-6" | 5'-6" | 12" | (5) | #5 | (5) | #5 | -- | |
| F6 | 6'-0" | 6'-0" | 12" | (6) | #5 | (6) | #5 | -- | |
| F6.5 | 6'-6" | 6'-6" | 14" | (7) | #5 | (7) | #5 | -- | |
| F7 | 7'-0" | 7'-0" | 14" | (7) | #5 | (7) | #5 | -- | |
| F7.5 | 7'-6" | 7'-6" | 14" | (7) | #6 | (7) | #6 | -- | |
| F8 | 8'-0" | 8'-0" | 16" | (8) | #6 | (8) | #6 | -- | |
| F8.5 | 8'-6" | 8'-6" | 16" | (8) | #6 | (8) | #6 | -- | |
| F9 | 9'-0" | 9'-0" | 18" | (9) | #6 | (9) | #6 | -- | |
| F9.5 | 9'-6" | 9'-6" | 18" | (10) | #6 | (10) | #6 | -- | |
| F10 | 10'-0" | 10'-0" | 20" | (10) | #6 | (10) | #6 | -- | |
| F10.5 | 10'-6" | 10'-6" | 20" | (10) | #7 | (10) | #7 | -- | |
| F11 | 11'-0" | 11'-0" | 22" | (11) | #7 | (11) | #7 | -- | |
| F11.5 | 11'-6" | 11'-6" | 22" | (11) | #7 | (11) | #7 | -- | |
| F12 | 12'-0" | 12'-0" | 22" | (12) | #7 | (12) | #7 | -- | |



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| 1 | REVIEW COMMENTS | 08/23/2023 | |
| 0 | PERMIT SET | 05/29/2023 | |

| | | | | | |
|---------------|-----|-----------------|--------------|------|---|
| Designed by: | NGW | Submitted: | 05 FEB 2024 | REV: | 1 |
| Drawn by: | JCP | File: | | | |
| Reviewed by: | DOC | Scale: | 3/4" = 1'-0" | | |
| Submitted by: | | Project Number: | 23049 | | |
| Approver: | | | | | |

RCH Valley
Real Color Holdings, LLC
 875 Valley St
 Colorado Springs, CO
 80915

SCHEDULES

SHEET NUMBER
S010

| WALL SCHEDULE | | | | | |
|---------------|------------|---------|------------|--------------|--|
| MARK | STUD | SPACING | TOP TRACK | BOTTOM TRACK | COMMENTS |
| SSW-1 | 600S162-54 | 16"o.c. | 600T125-54 | 600T125-54 | BRIDGING @ 4'-0"o.c. WHERE SHEATHING IS NOT ATTACHED ON BOTH FLANGES OF STUD |
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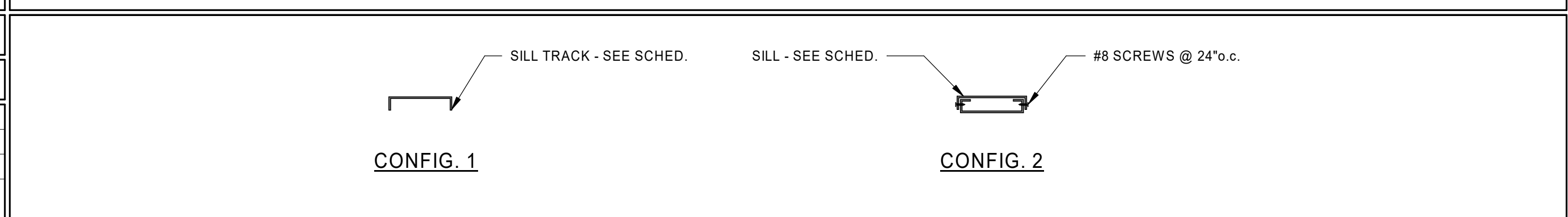
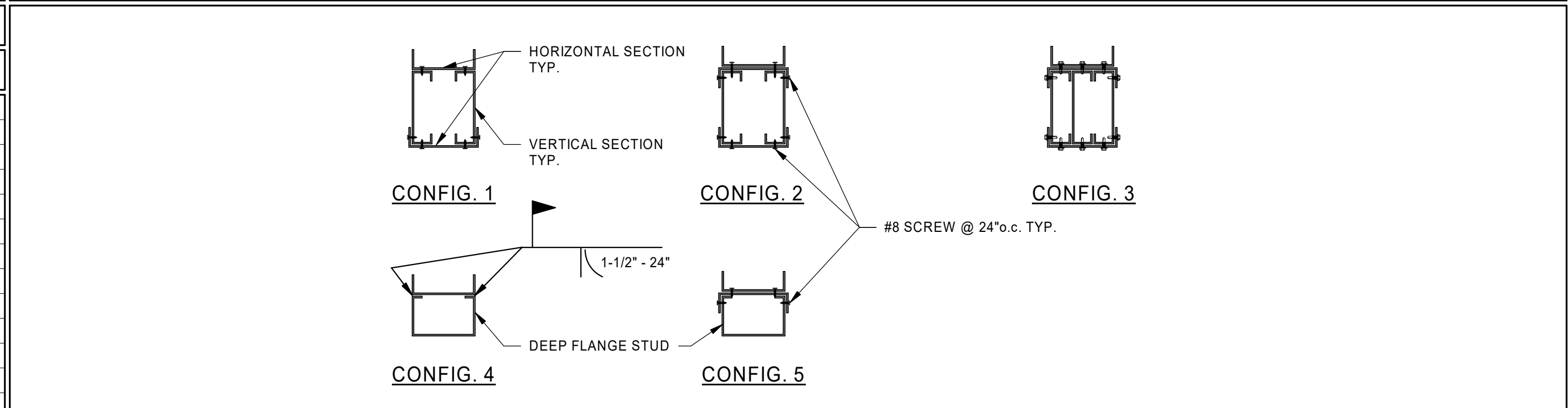
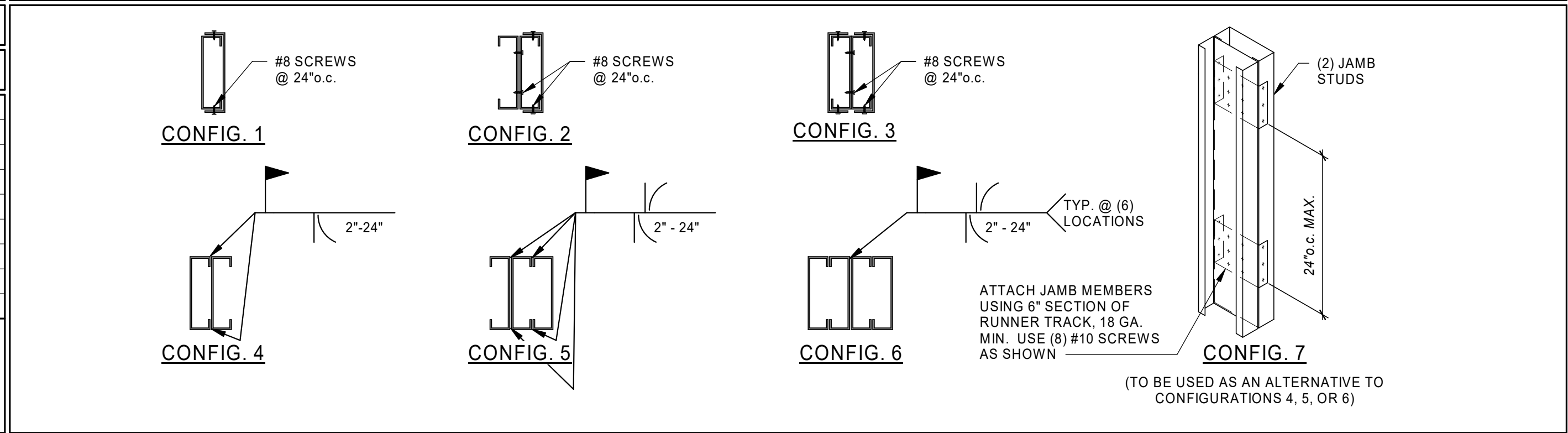
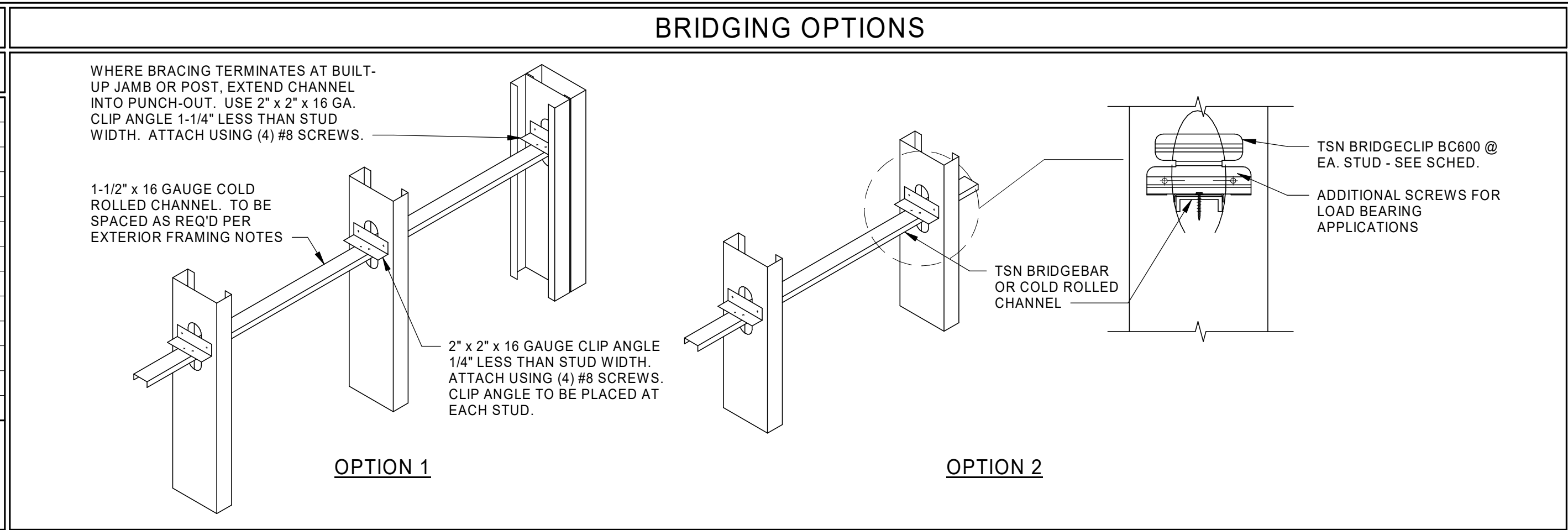
NOTE:
 1. USE SSW1 UNLESS NOTED OTHERWISE.
 2. ATTACH BOTTOM TRACK TO SLAB PER 5/S230.
 3. ATTACH HEAD OF WALL PER DETAIL 4/S210 & 5/S210.
 4. SEE ARCH FOR LOCATIONS OF ARCHITECTURAL STEEL STUD FURR OUTS.

| JAMB STUD SCHEDULE | | | | | | | |
|--------------------|--------------|-----------------|---------------|---------------------|-------------------|-----------------------------------|----------|
| MARK | MAX. OPENING | # OF JAMB STUDS | CONFIGURATION | CONCRETE CONNECTION | | FLOOR / ROOF CONNECTION CONNECTOR | COMMENTS |
| | | | | CONNECTOR | ANCHOR | | |
| SSJ-1 | 6'-0" | (2) | 2 | 4/S230 | (1) 3/8" x 3 1/2" | 4/S210 & 5/210 | -- |
| SSJ-2 | 12'-0" | (3) | 5 | 4/S230 | (1) 3/8" x 3 1/2" | 4/S210 & 5/210 | -- |
| | | | | | | | |
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NOTE: STITCH STUDS W/ 2"WELD @ 24"o.c. AS FOLLOWS:
 43 MIL (18 GA.) 1/16" FILLET OR FLARE GROOVE
 54 MIL (16 GA.) 1/16" FILLET OR FLARE GROOVE
 68 MIL (14 GA.) 1/16" FILLET OR FLARE GROOVE
 97 MIL (12 GA.) 3/32" FILLET OR FLARE GROOVE

| HEADER SCHEDULE | | | | | | |
|-----------------|--------------|----------------|-----------------|---------------|-------------------|----------|
| MARK | MAX. OPENING | VERT. SECTIONS | HORIZ. SECTIONS | CONFIGURATION | HEADER CONNECTION | COMMENTS |
| SSH-1 | 6'-0" | 600S162-54 | 600T150-54 | 2 | 6/S230 | |
| SSH-2 | 12'-0" | 600S162-54 | 600T200-54 | 3 | 6/S230 | |
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| SILL SCHEDULE | | | | | |
|---------------|--------------|-----------------|---------------|-----------------------|----------|
| MARK | MAX. OPENING | SILL COMPONENTS | CONFIGURATION | SILL CONNECTION ANGLE | COMMENTS |
| SSS-1 | 6'-0" | 600T125-54 | 1 | 3/S230 | |
| SSS-2 | 12'-0" | 600T200-54 | 2 | 3/S230 | |
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| 0 | PERMIT SET | 05/29/2023 | |

Designed by: NGW
 Drawn by: JCP
 Reviewed by: DOC
 Submitted by: Approver

Submitter: 05 FEB 2024
 File:
 Scale: 3/4" = 1'-0"
 Project Number: 23049

REV: 0

RCH Valley
 Real Color Holdings, LLC
 875 Valley St
 Colorado Springs, CO
 80915

SCHEDULES

SHEET NUMBER
S011

STRUCTURAL STEEL SPECIAL INSPECTION SCHEDULE

ESTABLISHED PER 2021 IBC SECTION 1705.2.1

Main inspection schedule table with columns for Inspection Tasks, Fabricator Quality Control, Special Inspector Quality Assurance, Notes, and Inspection Tasks Prior to Bolting. Includes sub-tables for inspection tasks during welding and after welding.



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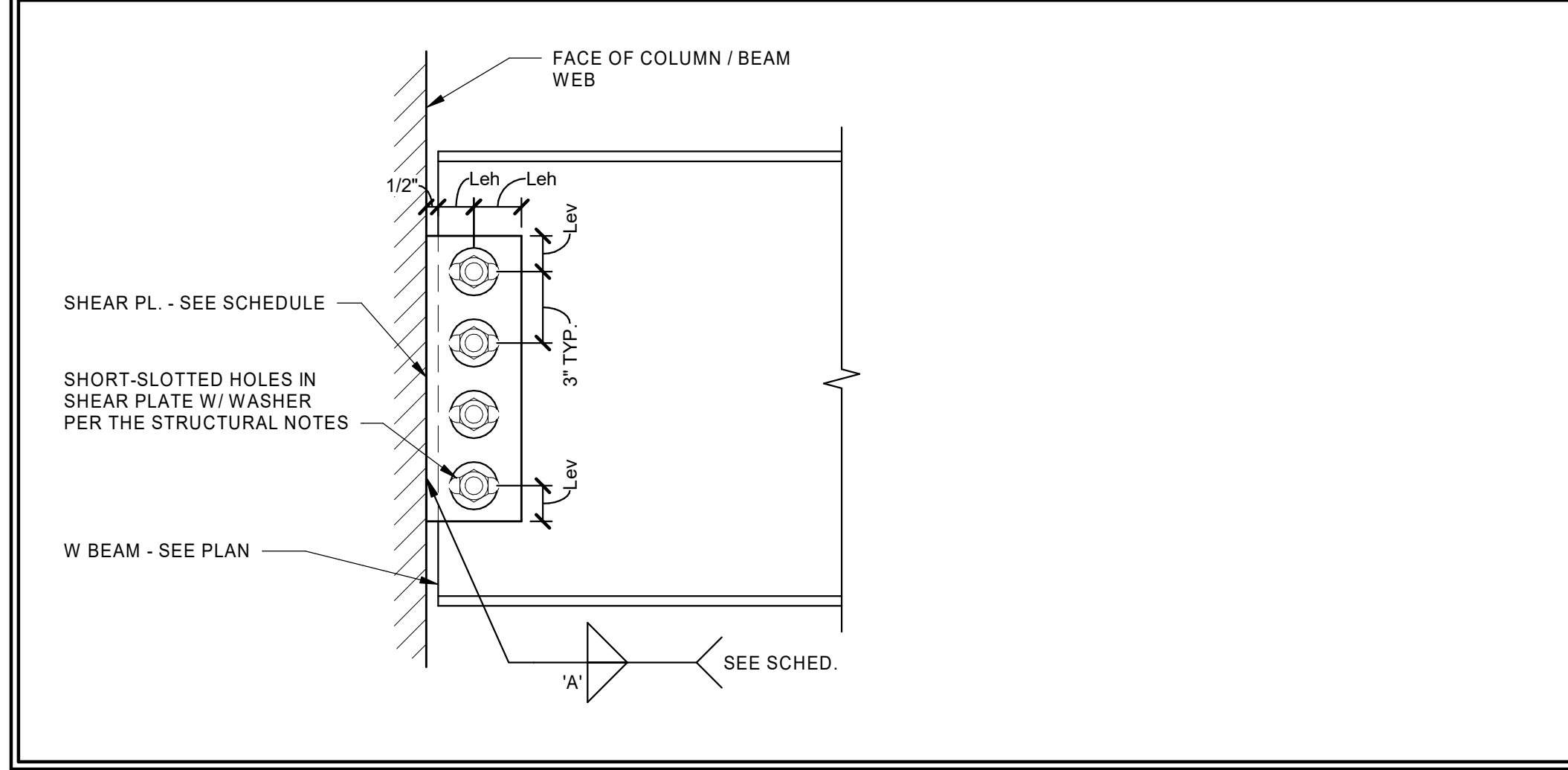
Table with columns: Date, Description, Rev. Includes entries for permit set and revision.

Table with columns: Submitted by, Date, Scale, Project Number, Approved by. Includes project details like 05/FEB/2024 and 23049.

RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

BEAM CONNECTION SCHEDULE

| BEAM DEPTH | SHEAR PLATE INFORMATION | | | BOLTS W/ STANDARD WASHERS OVER SLOTS | | WELD 'A' | COMMENTS |
|------------|---------------------------------------|--------|-----|--------------------------------------|--------|----------|----------|
| | PL. DIMENSIONS W/ SHORT-SLOTTED HOLES | Lev | Leh | No. | SIZE | | |
| | | | | | | | |
| W8, W10 | PL. 1/4" x REQ'D | 1 1/2" | 2" | 2 | 3/4" Ø | 3/16" | |
| W12, W14 | PL. 5/16" x REQ'D | 1 1/2" | 2" | 3 | 3/4" Ø | 1/4" | |
| W16 | PL. 5/16" x REQ'D | 1 1/2" | 2" | 4 | 3/4" Ø | 1/4" | |



SPECIAL INSPECTION SCHEDULE

ESTABLISHED PER 2015 IBC SECTION 110 AND CHAPTER 17

| ITEM | CONTINUOUS ¹ | PERIODIC ² | REFERENCE | COMMENTS |
|--|-------------------------|-----------------------|---|--|
| PRE-FAB CONSTRUCTION (IBC 1704.2) | | | | |
| | | | REFERENCE NOTES P1 & P2 | P1. SPECIAL INSPECTION IS NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. PROVIDED THE FABRICATOR COMPLIES WITH IBC. P2. INSPECTION FOR PREFABRICATED CONSTRUCTION SHALL BE THE SAME AS IF THE MATERIAL USED IN THE CONSTRUCTION TOOK PLACE ON SITE. SPECIAL INSPECTION WILL NOT BE REQUIRED DURING PREFABRICATION IF THE APPROVED AGENCY CERTIFIES THE CONSTRUCTION AND FURNISHES EVIDENCE OF COMPLIANCE. (SEE NOTE 2). |
| OPEN-WEB STEEL JOISTS AND JOIST GIRDERS (IBC 1705.2.3) | | | | |
| INSTALLATION OF OPEN-WEB JOISTS AND JOIST GIRDERS | | | | |
| END CONNECTIONS - WELDED OR BOLTED | | ● | SJI SPECIFICATIONS LISTED IN SECTION 2207.1 | |
| BRIDGING - HORIZONTAL OR DIAGONAL | | | | |
| STANDARD BRIDGING | | ● | | |
| BRIDGING THAT DIFFERS FROM THE SJI SPECIFICATIONS LISTED IN SECTION 2207.1 | | ● | SJI SPECIFICATIONS LISTED IN SECTION 2207.1 | |
| CONCRETE CONSTRUCTION (IBC 1705.3) | | | | |
| SEE IBC TABLE 1705.3 - REF. NOTE C1 | | | | |
| REINFORCING STEEL PLACEMENT | | ● | | |
| WELDING OF REINFORCING STEEL | ● | ● | REFERENCE NOTE C2 | |
| EMBEDDED BOLTS & PLATES | ● | | | |
| VERIFYING REQUIRED DESIGN MIX | | ● | | |
| CONCRETE PLACEMENT / SAMPLING | ● | | REFERENCE NOTE C3 | |
| CURING TEMPERATURE / TECHNIQUES | | ● | | |
| PRESTRESSED CONCRETE | | | | |
| APPLICATION OF PRESTRESSING FORCES | ● | | | |
| GROUTING BONDED TENDONS | ● | | IN SEISMIC-FORCE-RESISTING SYSTEM | |
| ERECTION OF PRECAST MEMBERS | | ● | | |
| VERIFICATION OF IN-SITU STRENGTH | | ● | REFERENCE NOTE C4 | |
| EPOXY / EXPANSION ANCHOR PLACEMENT | ● | ● | REFERENCE NOTE C5 | |
| COLD FORMED FRAMING (IBC 1705.11.2 & 1705.12.3) | | | | |
| CF1. SPECIAL INSPECTION IS NOT REQUIRED FOR COLD-FORMED STEEL LIGHT-FRAME SHEAR WALLS, BRACES, DIAPHRAGMS, COLLECTORS (DRAG STRUTS) AND HOLD-DOWNS WHERE SHEATHING IS WOOD STRUCTURAL PANEL OR STEEL SHEETS ON ONLY ONE SIDE OF THE SHEAR WALL, SHEAR PANEL OR DIAPHRAGM ASSEMBLY AND THE FASTENER SPACING OF THE SHEATHING IS MORE THAN 4" c.c. | | | | |
| LIGHT GAUGE METAL FRAMING WELDING | | ● | | |
| SHEAR WALL & DIAPHRAGM ATTACHMENTS | | ● | | |
| DRAG STRUT & BRACE INSTALLATION | | ● | | |
| HOLD-DOWN INSTALLATION | | ● | | |
| SOILS (IBC 1705.6) | | | | |
| REFERENCE NOTE F1 | | | | |
| VERIFY ADEQUATE MATERIALS BELOW FOOTINGS | | ● | REFERENCE NOTE F1 | F1. SPECIAL INSPECTION OF SOILS SHALL REFERENCE THE APPROVED SOILS REPORT TO DETERMINE COMPLIANCE. WHERE SOILS REPORT IS NOT PROVIDED SPECIAL INSPECTIONS ARE REQUIRED TO VERIFY THAT THE IN-PLACE DRY DENSITY OF THE COMPACTED FILL IS NOT LESS THAN 90 PERCENT OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT DETERMINED IN ACCORDANCE WITH ASTM D 1557. |
| EXCAVATIONS EXTEND TO PROPER DEPTH AND REACH PROPER MATERIAL | | ● | REFERENCE NOTE F2 | |
| CLASSIFY & TEST CONTROLLED FILL MATERIALS | | ● | REFERENCE NOTE F2 | |
| PERFORM MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL. | ● | | REFERENCE NOTE F1 | |
| PROPERLY PREPARED SITE AND SUB-GRADE PRIOR TO FILL. | | ● | REFERENCE NOTE F1 | |

GENERAL SPECIAL INSPECTION NOTES :

- THE ITEMS MARKED WITH A ● IN THE SPECIAL INSPECTION SCHEDULE SHALL BE INSPECTED IN ACCORDANCE WITH IBC CHAPTER 17 BY A CERTIFIED SPECIAL INSPECTOR FROM AN ESTABLISHED TESTING AGENCY. FOR MATERIAL SAMPLING AND TESTING REQUIREMENTS, REFER TO THE MATERIAL SAMPLING AND TESTING SECTION, THE PROJECT SPECIFICATIONS, AND THE SPECIFIC GENERAL NOTES SECTIONS. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE ARCHITECT, ENGINEER, CONTRACTOR, AND BUILDING OFFICIAL. ANY ITEMS WHICH FAIL TO COMPLY WITH THE APPROVED CONSTRUCTION DOCUMENTS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DISCREPANCIES ARE NOT CORRECTED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL, ARCHITECT, AND ENGINEER PRIOR TO COMPLETION OF THAT PHASE OF WORK. SPECIAL INSPECTION TESTING REQUIREMENTS APPLY EQUALLY TO ALL BIDDER DESIGNED COMPONENTS.
- ANY CONSTRUCTION OR MATERIAL THAT HAS FAILED INSPECTION SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT.
- CONTINUOUS SPECIAL INSPECTION MEANS THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. PERIODIC SPECIAL INSPECTION MEANS THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK. (IBC SECTION 202)



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| 1 | REVIEW COMMENTS | 08/23/2023 | |
| 0 | PERMIT SET | 05/29/2023 | |

| | | |
|---------------------------|------------------------|--------|
| Designed by: NGW | Submitted: 05 FEB 2024 | REV: 1 |
| Drawn by: JCP | File: | |
| Reviewed by: DOC | Scale: As indicated | |
| Submitted by: [Signature] | Project Number: 23049 | |
| Approver: | | |

RCH Valley
Real Color Holdings, LLC
 875 Valley St
 Colorado Springs, CO
 80915

SCHEDULES

SHEET NUMBER
S013

FOOTING & FOUNDATION NOTES :

- SEE SHEET S001 FOR GENERAL STRUCTURAL NOTES.
- ALL FOOTINGS SHALL BE PLACED ON SOIL WHICH HAS BEEN PREPARED FOR THE BEARING PRESSURE SHOWN IN THE STRUCTURAL NOTES. INSTALL 12" OF MECHANICALLY COMPACTED STRUCTURAL FILL - SEE STRUCTURAL NOTES.
- VERIFY ALL DIMENSIONS WITH DRAWINGS AND NOTIFY ENGINEER OF ANY DISCREPANCIES FOUND.
- SOLID GROUT ALL MASONRY COURSES BELOW FINISHED FLOOR OR EXTERIOR GRADE (WHICHEVER IS HIGHER).
- SEE SHEET S010 FOR FOOTING SCHEDULE.
- PROVIDE DOWELS IN FOOTINGS / FOUNDATIONS TO MATCH VERTICAL WALL REINFORCING U.N.O.
- SEE SHEET S201 FOR TYPICAL FOOTING AND FOUNDATION DETAILS.
- ALL EXTERIOR WALL FOOTINGS TO BEAR A MINIMUM DIMENSION BELOW EXTERIOR GRADE AS NOTED IN GENERAL STRUCTURAL NOTES.
- FOUNDATION WALLS ARE DESIGNED AND DETAILED FOR THE COMPLETED CONDITION. CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION. BACKFILLED WALLS SHALL BE ADEQUATELY BRACED DURING CONSTRUCTION AND BACKFILLING TO PRODUCE PLUMB AND TRUE FINISHED WALLS.
- ALL ANCHORS, HOLD-DOWNS, ANCHOR BOLTS, DOWELS, EMBEDDED ITEMS, ETC. SHALL BE HELD IN PLACE PRIOR TO AND DURING CONCRETE AND/OR GROUT PLACEMENT.
- COORDINATE ALL FOOTING DEPTHS (INTERIOR AND EXTERIOR) WITH DRAINS, CONDUITS, ETC. THAT MAY INTERFERE WITH FOOTINGS.
- DEMO ALL EXISTING WALLS AND PURLINS. DO NOT REMOVE X-BRACING BETWEEN GRIDS 2 AND 3. TYP ON GRIDS 2 AND E.

CONCRETE SLAB NOTES :

- SLAB ON GRADE SHALL BE 4" THICK CONCRETE U.N.O. SLAB SHALL BE UNDERLAIN BY 4" OF FREE DRAINING SOIL.
- SEE DETAIL 1/S201 FOR BASE PLATE SCHEDULE.



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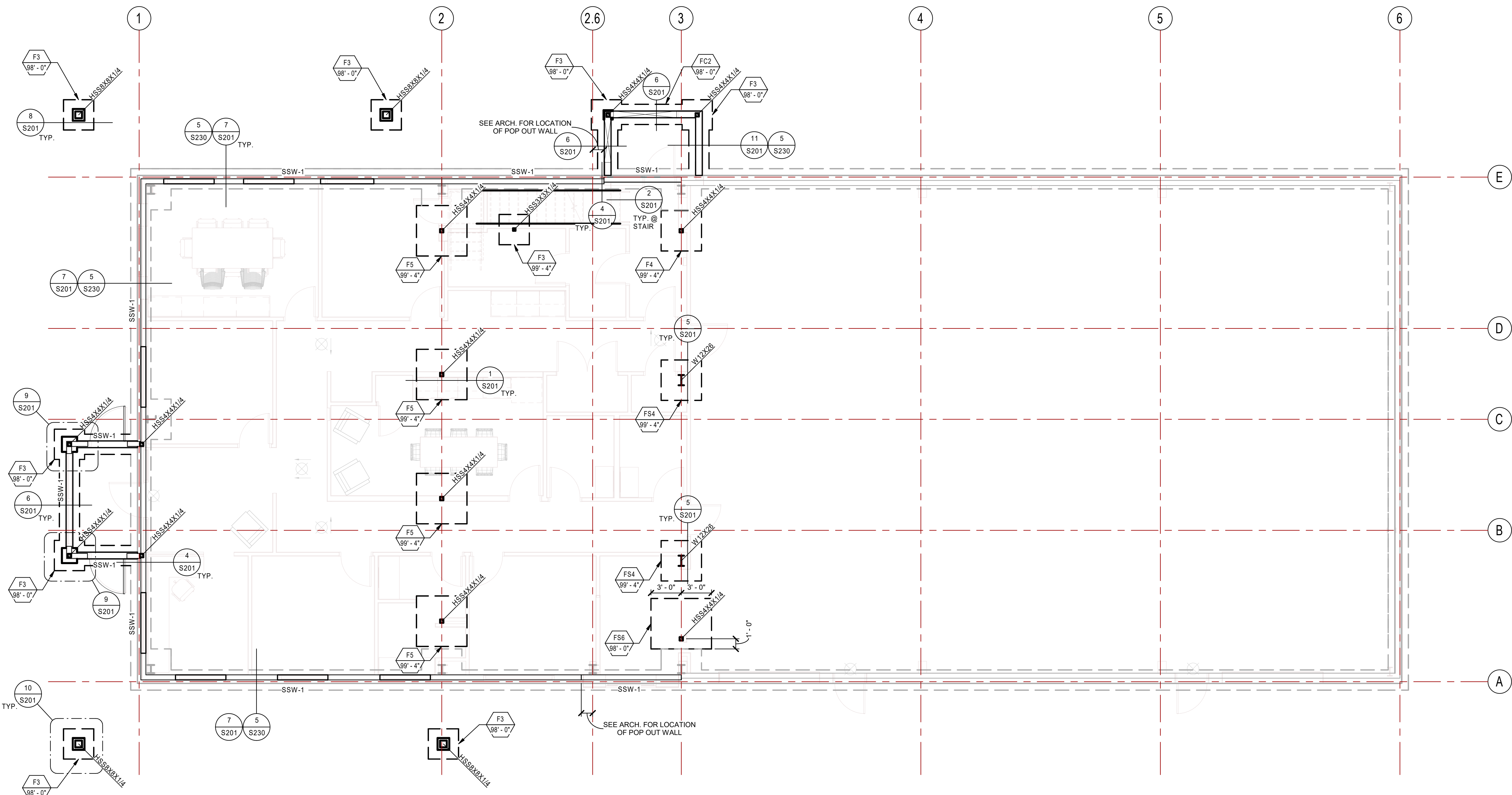
| Rev. | Description | Date | Appr. |
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| 0 | PERMIT SET | 05/29/2023 | |

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|---------------|-----------------|------|
| Designed by: | Submitted: | REV: |
| NGW | 05 FEB 2024 | 0 |
| Drawn by: | File: | |
| JCP | | |
| Reviewed by: | Scale: | |
| DOC | As indicated | |
| Submitted by: | Project Number: | |
| Approver | 23049 | |

RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

FOOTING AND FOUNDATION PLAN

SHEET NUMBER
S101



FOOTING AND FOUNDATION PLAN

SCALE : 3/16" = 1'-0"

A
S101

FLOOR FRAMING NOTES:

1. SEE SHEET S001 FOR GENERAL STRUCTURAL NOTES.
2. SEE ARCHITECTURAL DRAWINGS FOR FINISHED FLOOR ELEVATIONS.
3. FOR FLOOR SHEATHING AND ATTACHMENT REQUIREMENTS SEE STRUCTURAL NOTES.
4. DEMO ALL EXISTING WALKWAY CANOPY FRAMING.
5. STEEL STUD HEADER BELOW STEEL HSS. SEE SCHEDULE.



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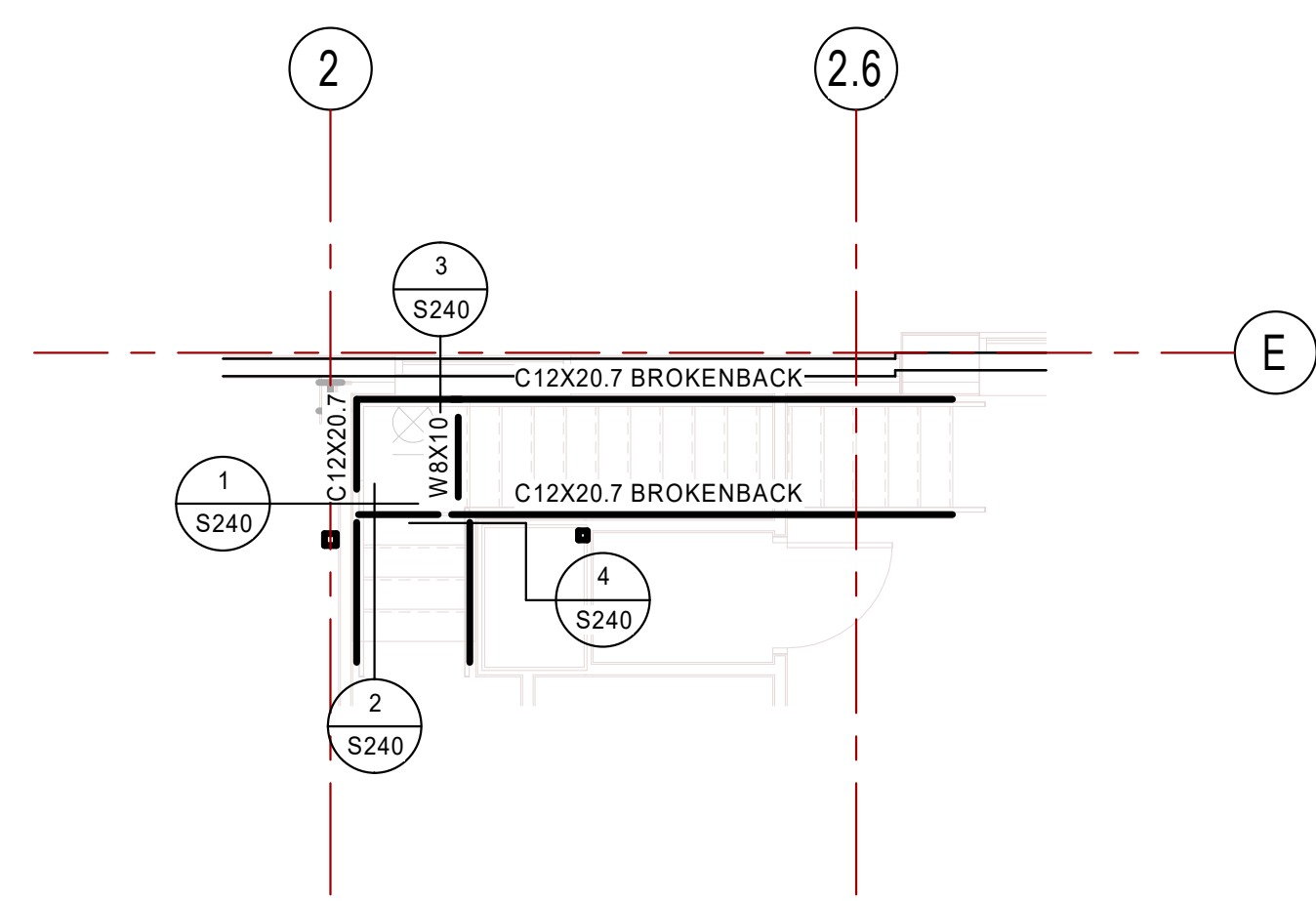
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|------|-----------------|------------|-------|
| 3 | REVIEW COMMENTS | 02/05/2024 | |
| 0 | PERMIT SET | 05/29/2023 | |

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| Designed by: | Submitted: | REV: |
| NGW | 05 FEB 2024 | 3 |
| Drawn by: | File: | |
| JCP | | |
| Reviewed by: | Scale: | |
| DOC | As indicated | |
| Submitted by: | Project Number: | |
| Approver: | 23049 | |

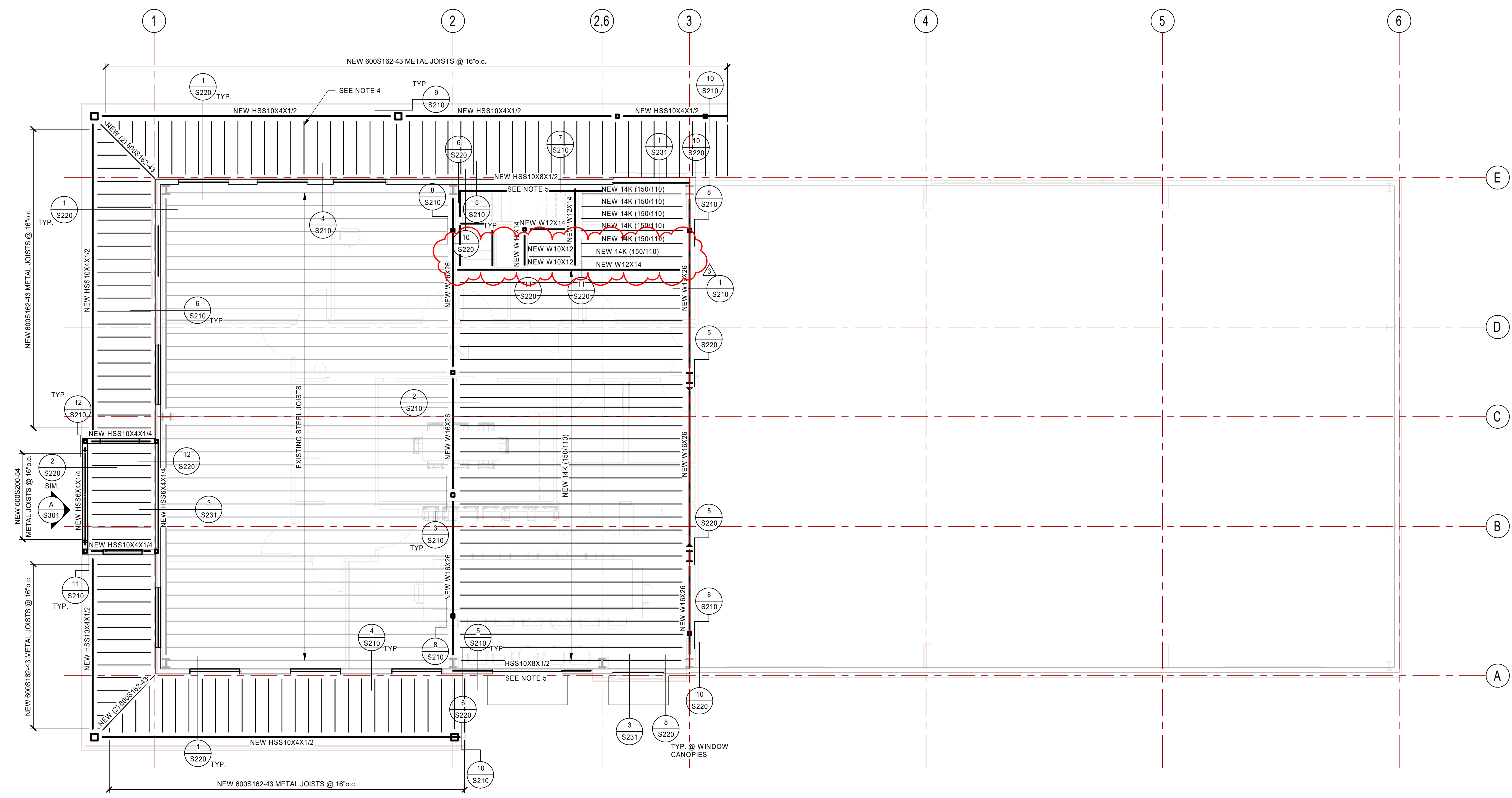
RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

FLOOR FRAMING PLAN

SHEET NUMBER
S102



STAIR & STAIR LANDING FRAMING PLAN
SCALE: 3/16" = 1'-0"



MEZZANINE FRAMING PLAN
SCALE: 3/16" = 1'-0"

ROOF FRAMING NOTES :

1. SEE SHEET S001 FOR GENERAL STRUCTURAL NOTES.
2. SEE ARCHITECTURAL DRAWINGS FOR ELEVATIONS
3. STEEL STUD HEADER BELOW STEEL HSS. SEE SCHEDULE - REMOVE EXISTING METAL BUILDING BEAM & REPLACE WITH NEW HSS PRIOR TO REMOVING REMAINING WIND GIRTS.



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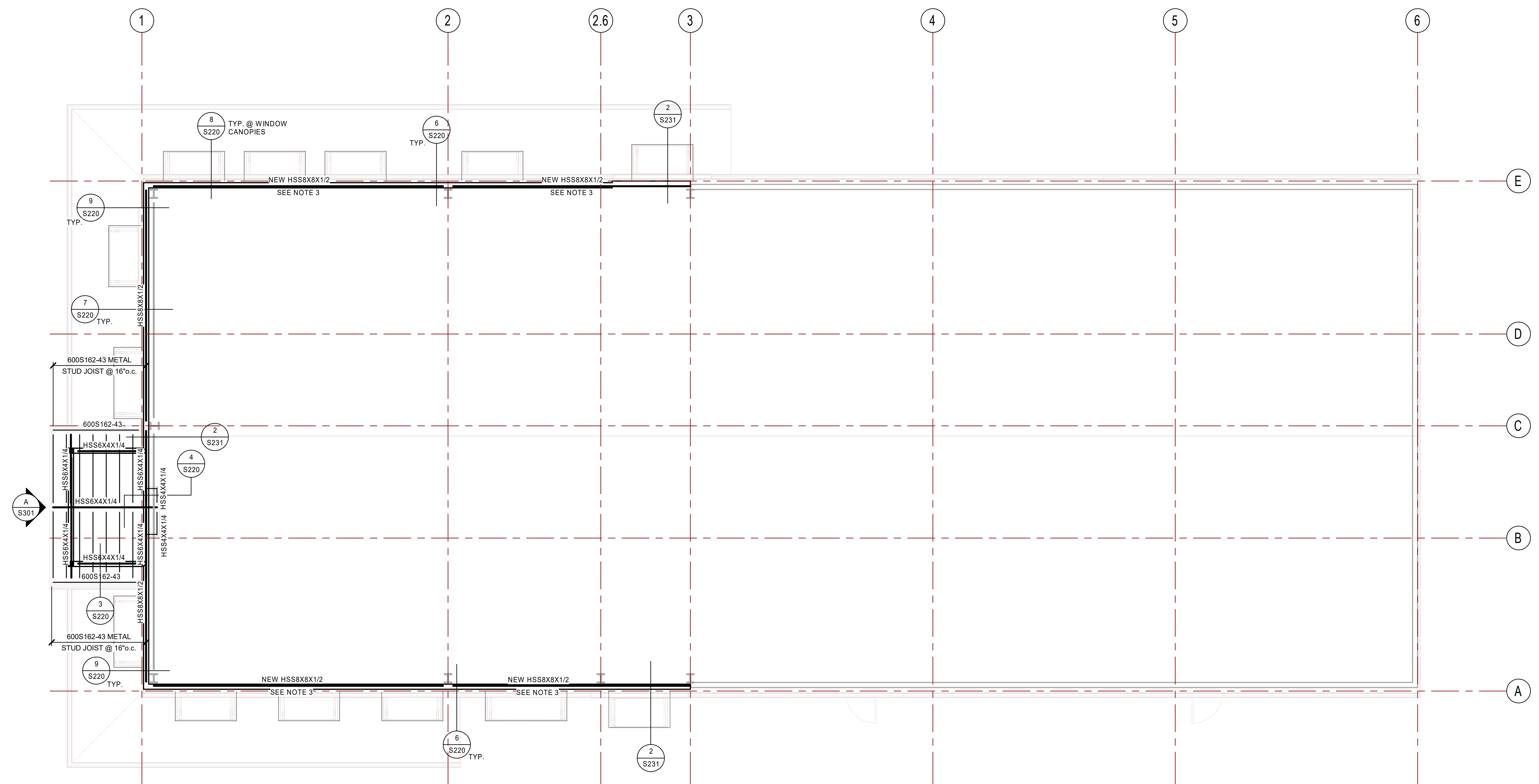
| Rev. | Date | Description |
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| Designed by: | Submitted: | REV: |
| NGW | 05 FEB 2024 | 0 |
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| JCP | | |
| Reviewed by: | Scale: | |
| DOC | As indicated | |
| Submitted by: | Project Number: | |
| Approver | 23049 | |

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ROOF FRAMING PLAN

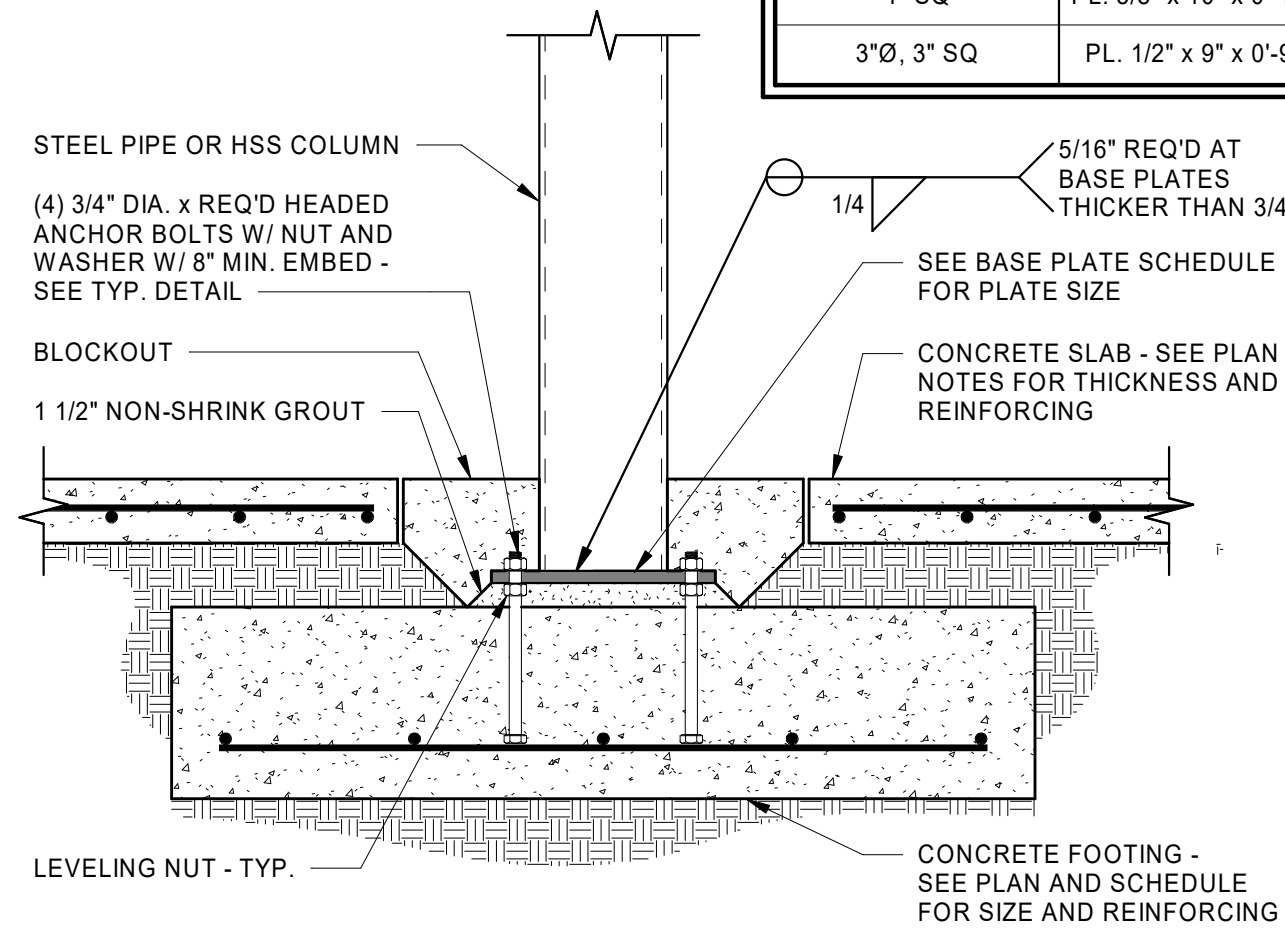
SHEET NUMBER
S103



ROOF FRAMING PLAN
 SCALE : 3/16" = 1'-0"

A
S103

| BASE PLATE SCHEDULE | |
|---------------------|-------------------------|
| COLUMN SIZE | BASE PLATE SIZE |
| 8" SQ, 10" Ø | PL. 3/4" x 14" x 1'-2" |
| 7" SQ | PL. 3/4" x 13" x 1'-1" |
| 6" SQ, 8" Ø | PL. 3/4" x 12" x 1'-0" |
| 5" SQ | PL. 3/4" x 12" x 1'-0" |
| 4" SQ | PL. 5/8" x 10" x 0'-10" |
| 3" Ø, 3" SQ | PL. 1/2" x 9" x 0'-9" |

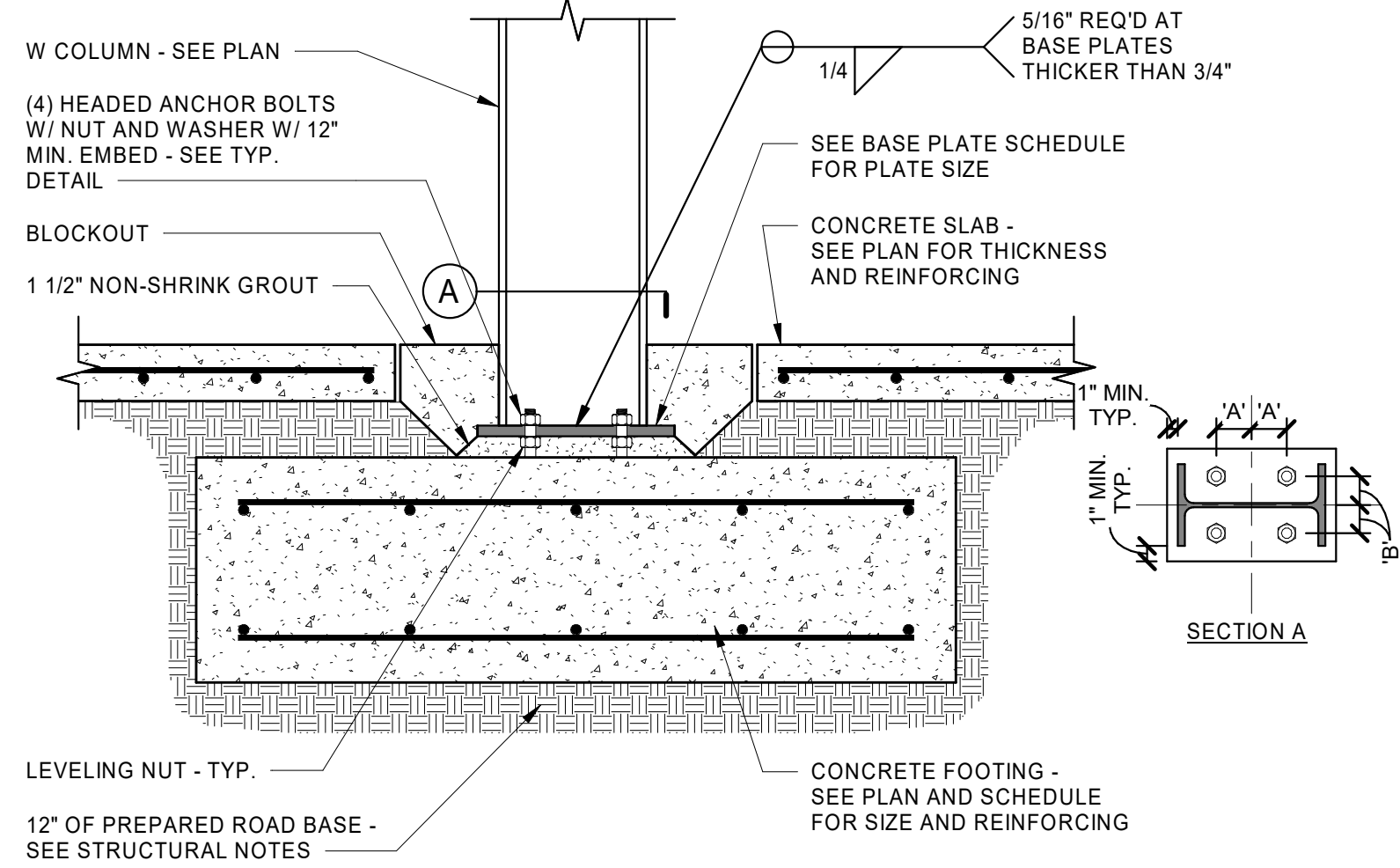


COLUMN TO SPOT FOOTING

SCALE: NONE

1
S201

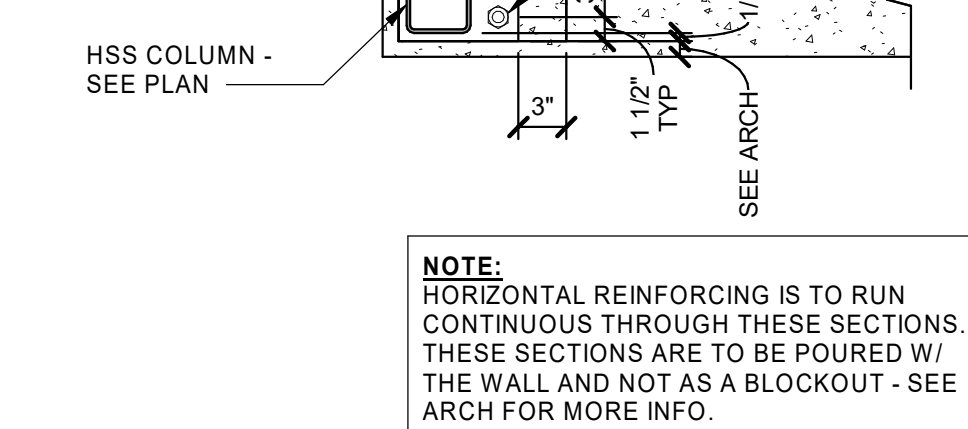
| BASE PLATE SCHEDULE | | | | |
|---------------------|-----------------|---------------|---------------|-----------|
| COLUMN SIZE | BASE PLATE SIZE | DIMENSION 'A' | DIMENSION 'B' | A.B. SIZE |
| W 12x26 | 1/2"x8"x1'-2" | 3" | 2" | 3/4" |



COLUMN TO SPOT FOOTING

SCALE: NONE

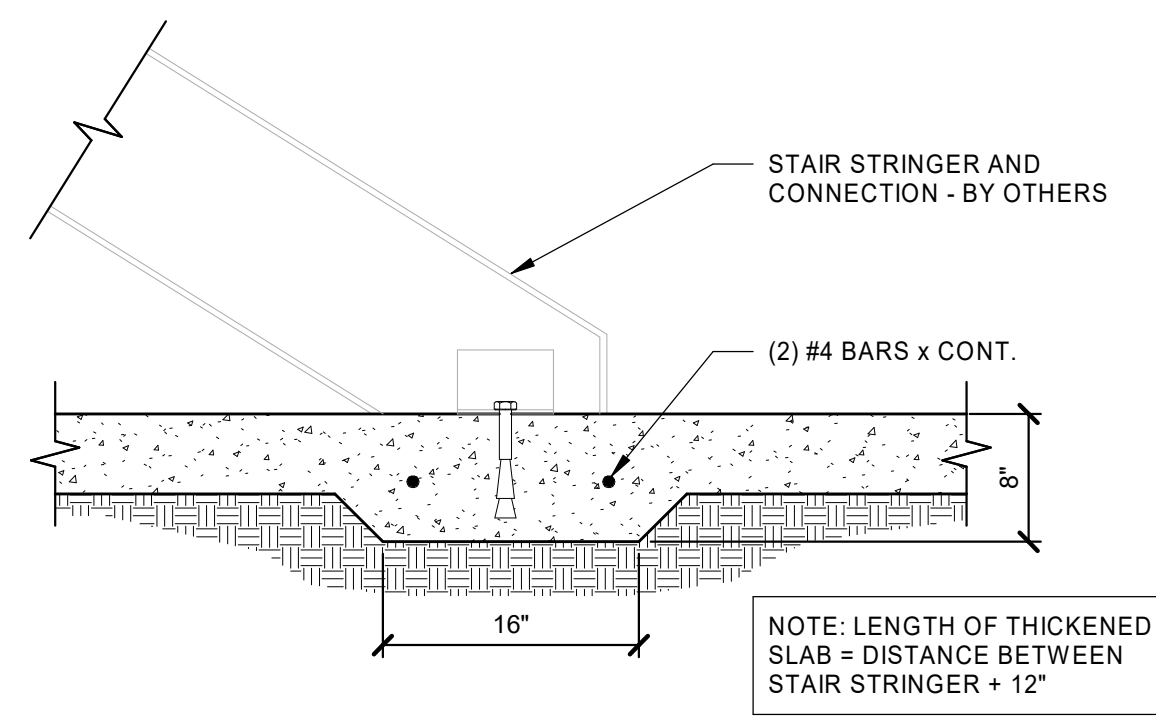
5
S201



DETAIL

SCALE: NONE

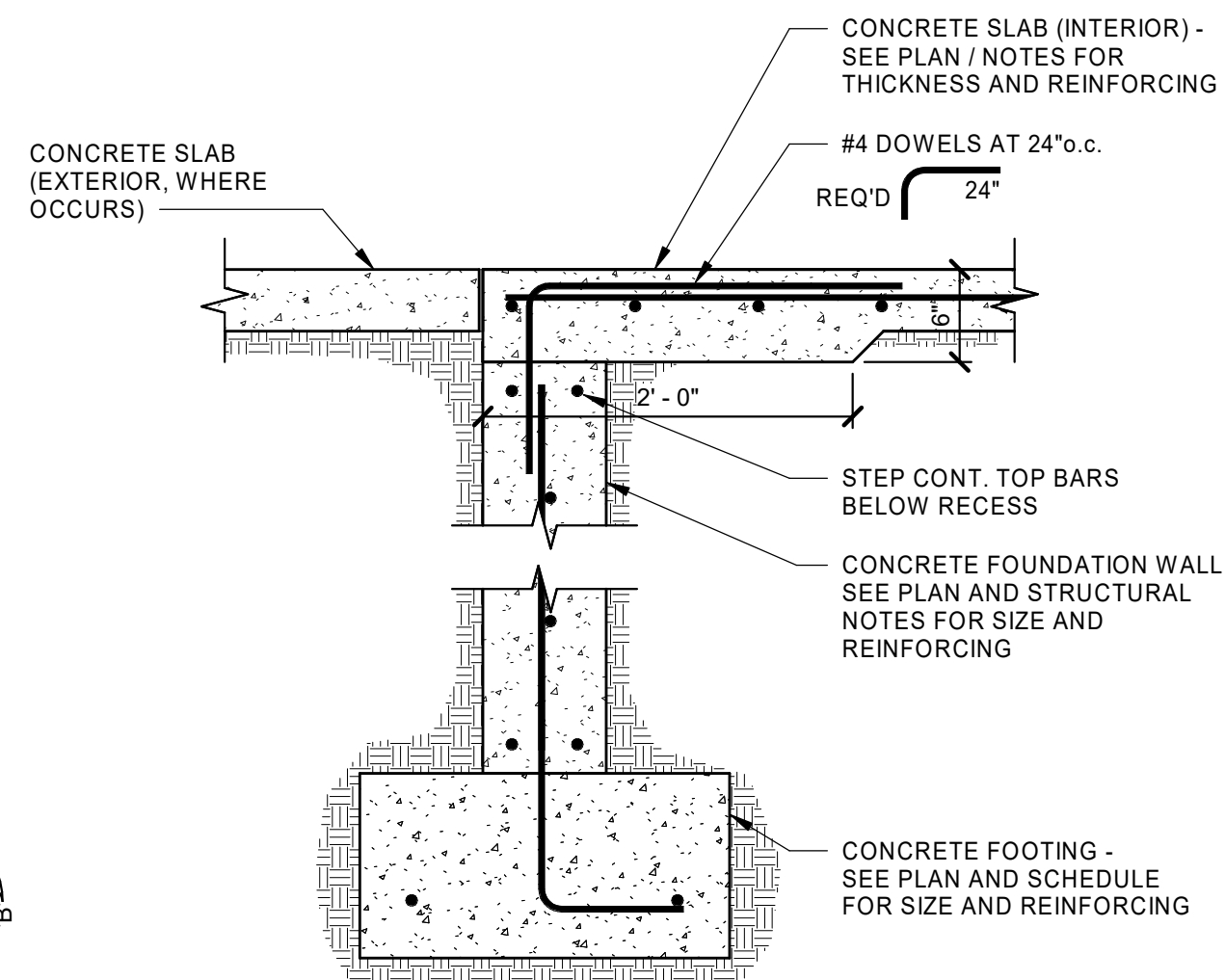
9
S201



THICKENED SLAB @ STAIR

SCALE: NONE

2
S201

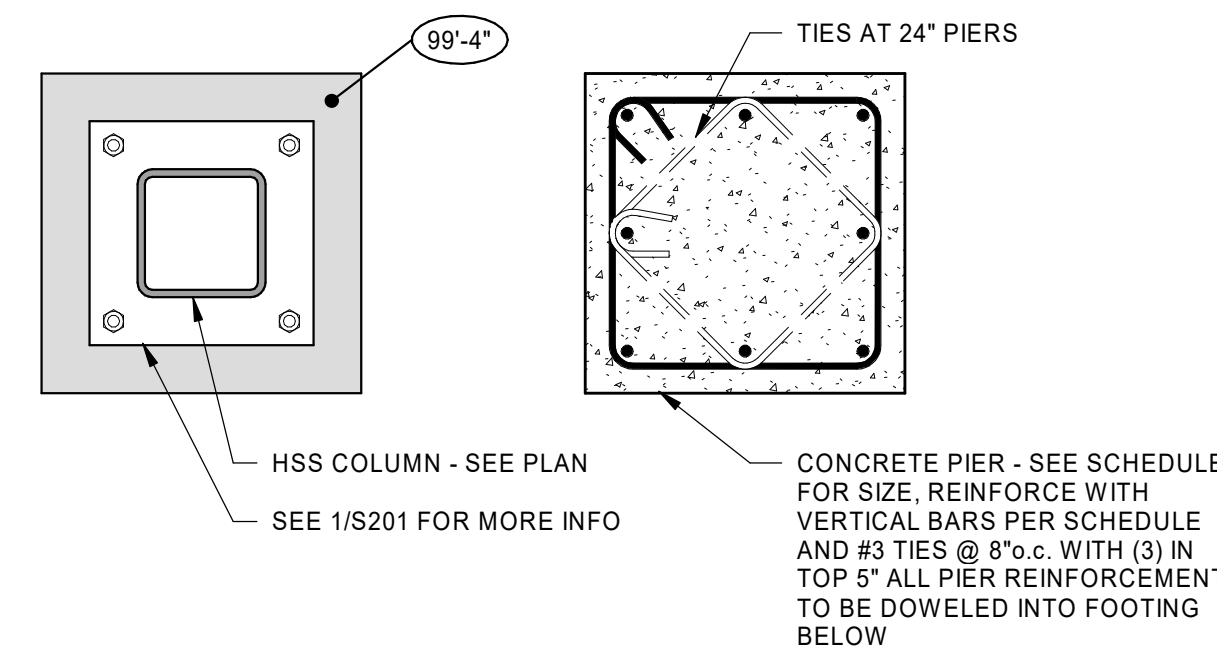


CONCRETE FOUNDATION @ OPENING

SCALE: NONE

6
S201

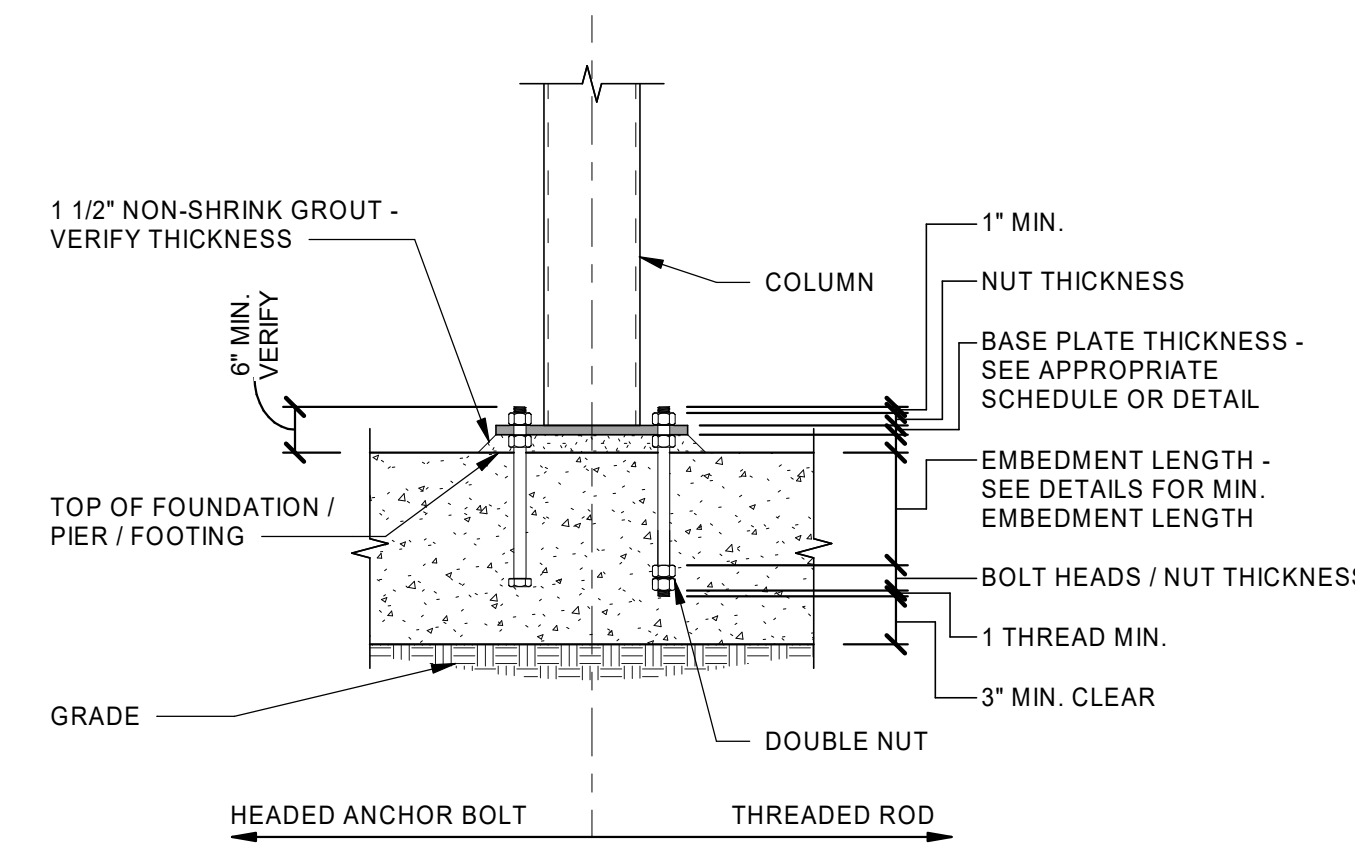
| COLUMN SIZE | PIER SIZE | VERTICAL REINF. |
|-------------|-----------|-----------------|
| 4x4 | 16"x16" | (4) #6 |
| 6x6 | 18"x18" | (4) #6 |
| 8x8 | 20"x20" | (4) #6 |
| 10x10 | 24"x24" | (8) #5 |



DETAIL

SCALE: NONE

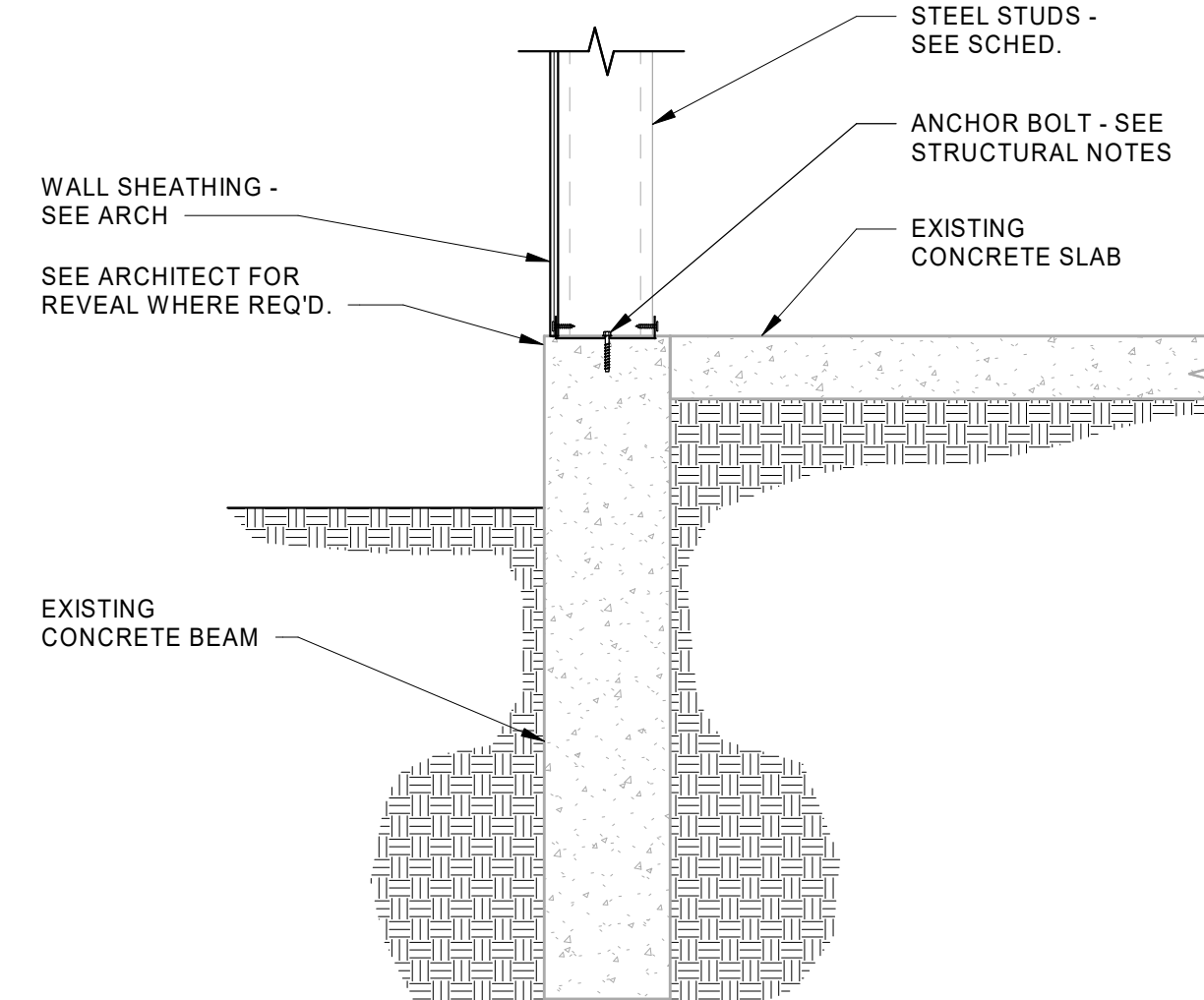
10
S201



TYPICAL ANCHOR BOLT EMBEDMENT DETAIL

SCALE: NONE

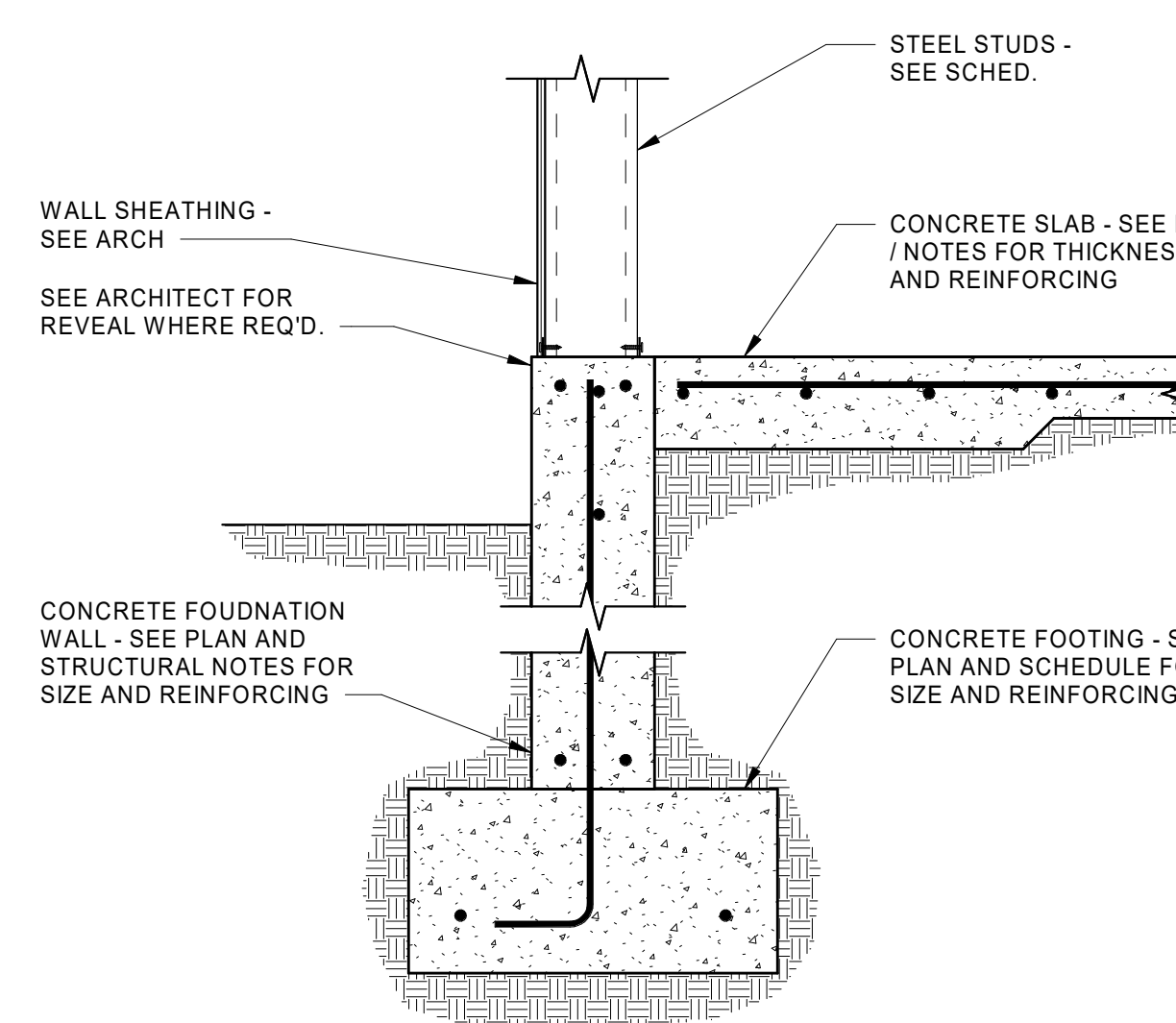
3
S201



SECTION @ EXTERIOR WALL

SCALE: NONE

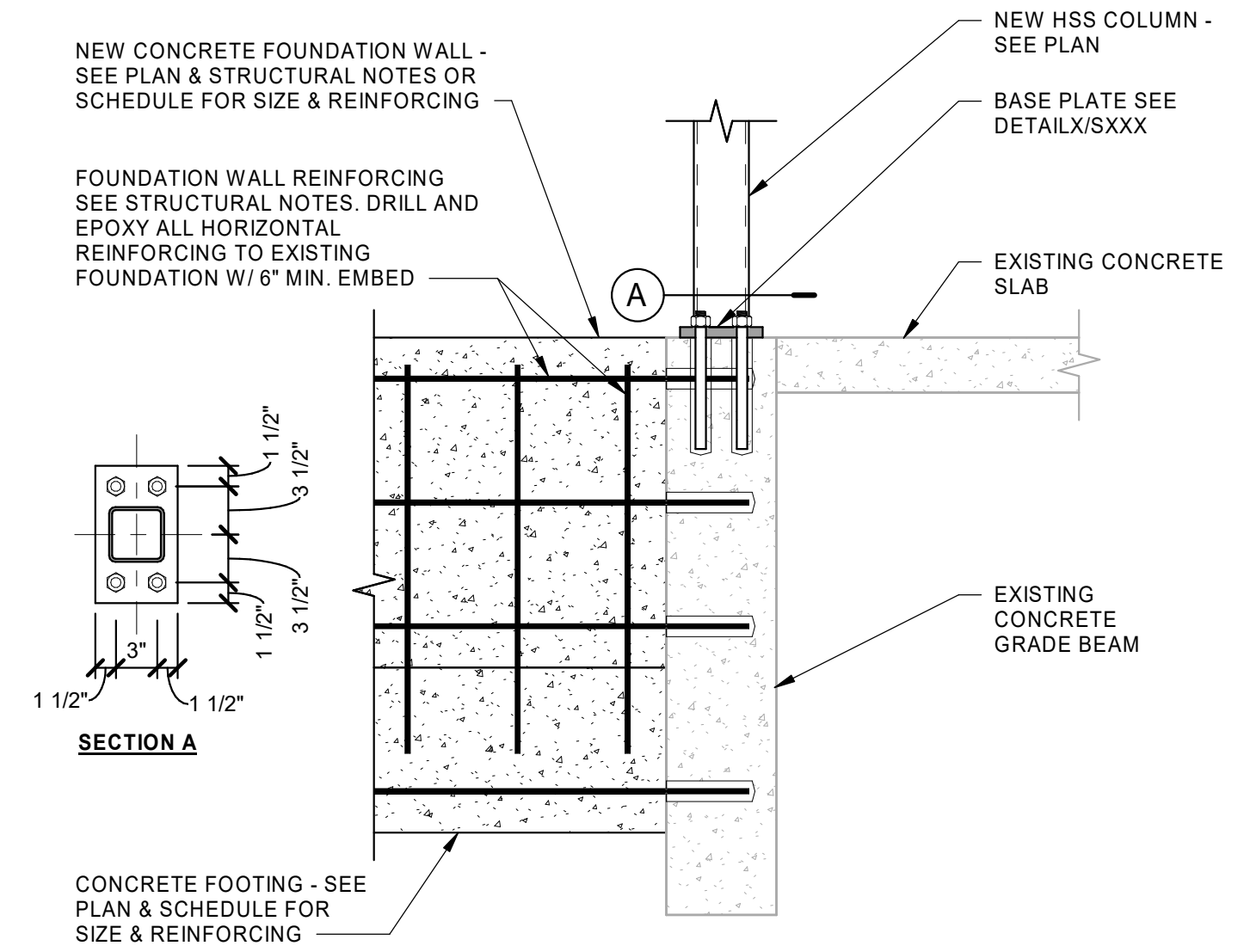
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S201



DETAIL

SCALE: NONE

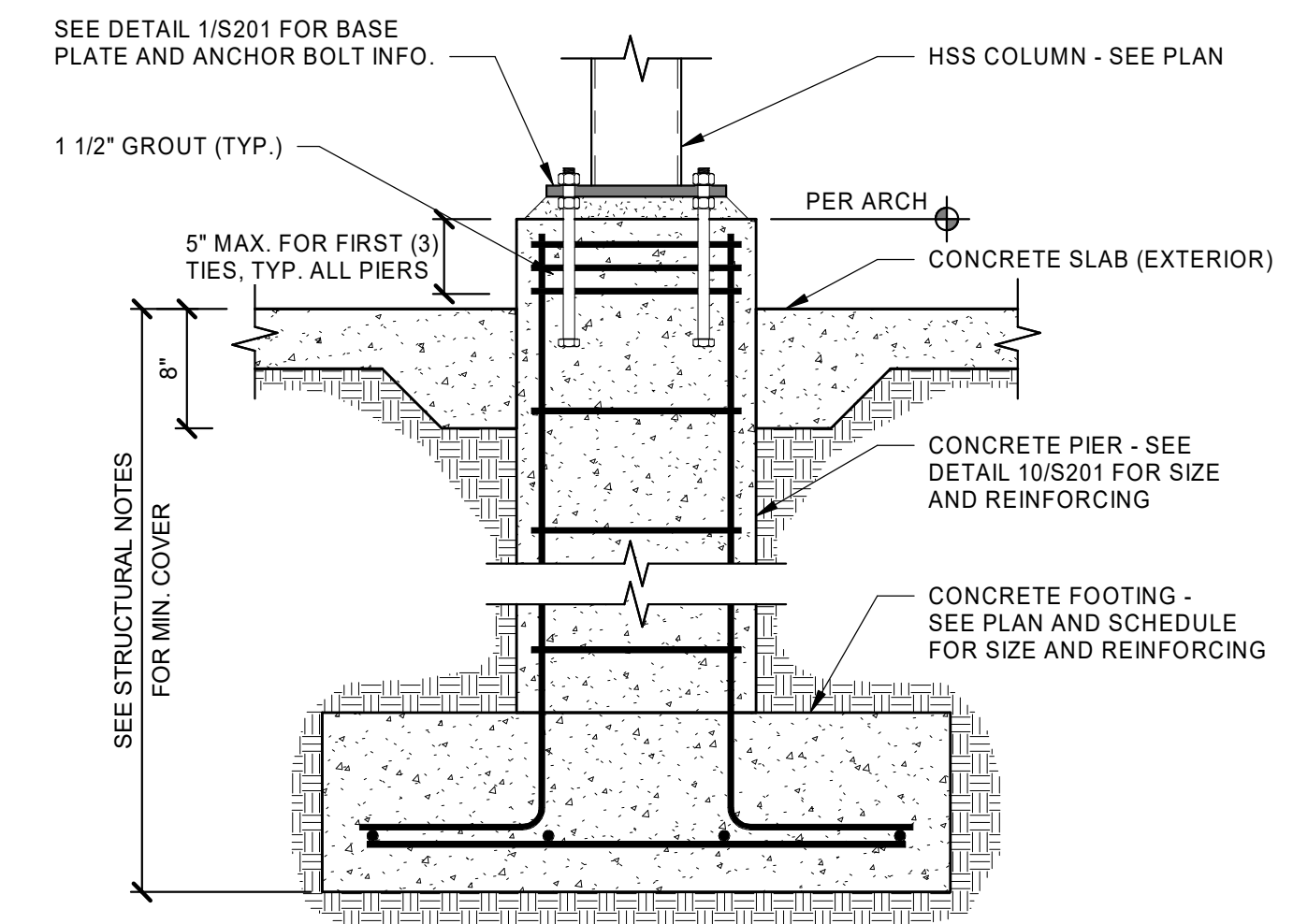
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S201



DETAIL

SCALE: NONE

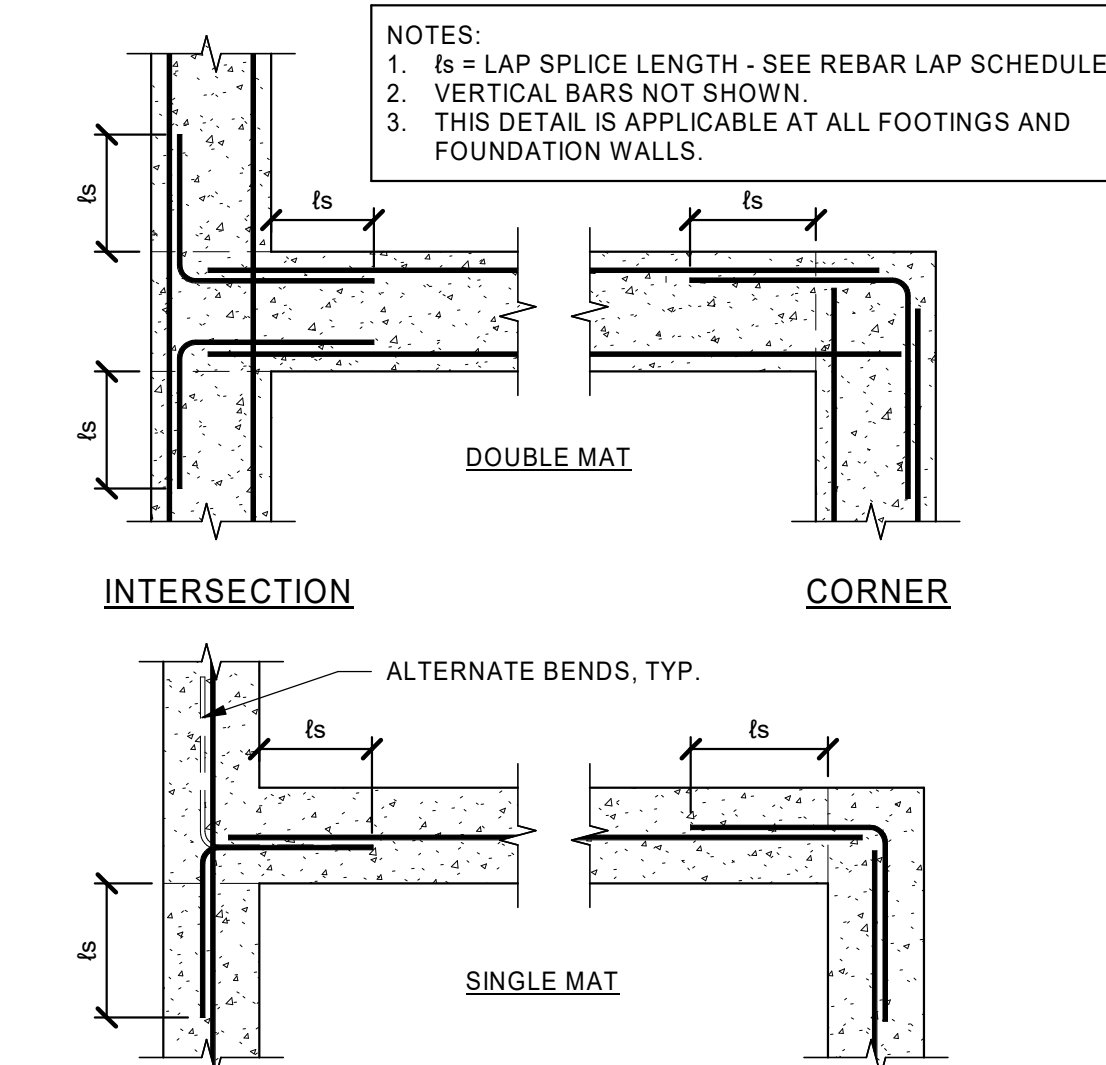
4
S201



CONCRETE PIER

SCALE: NONE

8
S201



TYP. REINF. @ INTERSECTIONS IN CONC. DETAIL

SCALE: NONE

12
S201



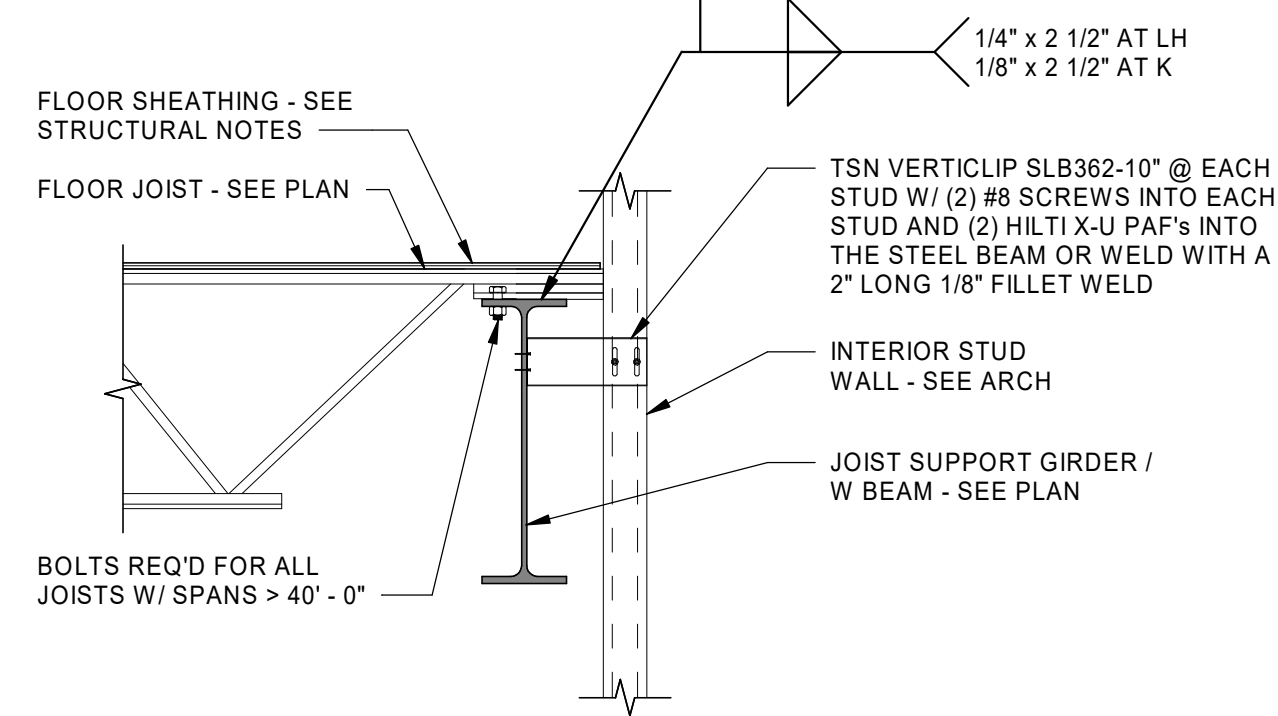
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|------|------------|-------------|
| 0 | 05/29/2023 | PERMIT SET |

Designed by: NGW
Submitted: 05 FEB 2024
REV: 0
Drawn by: JCP
File:
Reviewed by: DOC
Scale: As indicated
Project Number:
Submitted by: Approver
Date: 05/29/2023
Description: PERMIT SET
Rev: 0

RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
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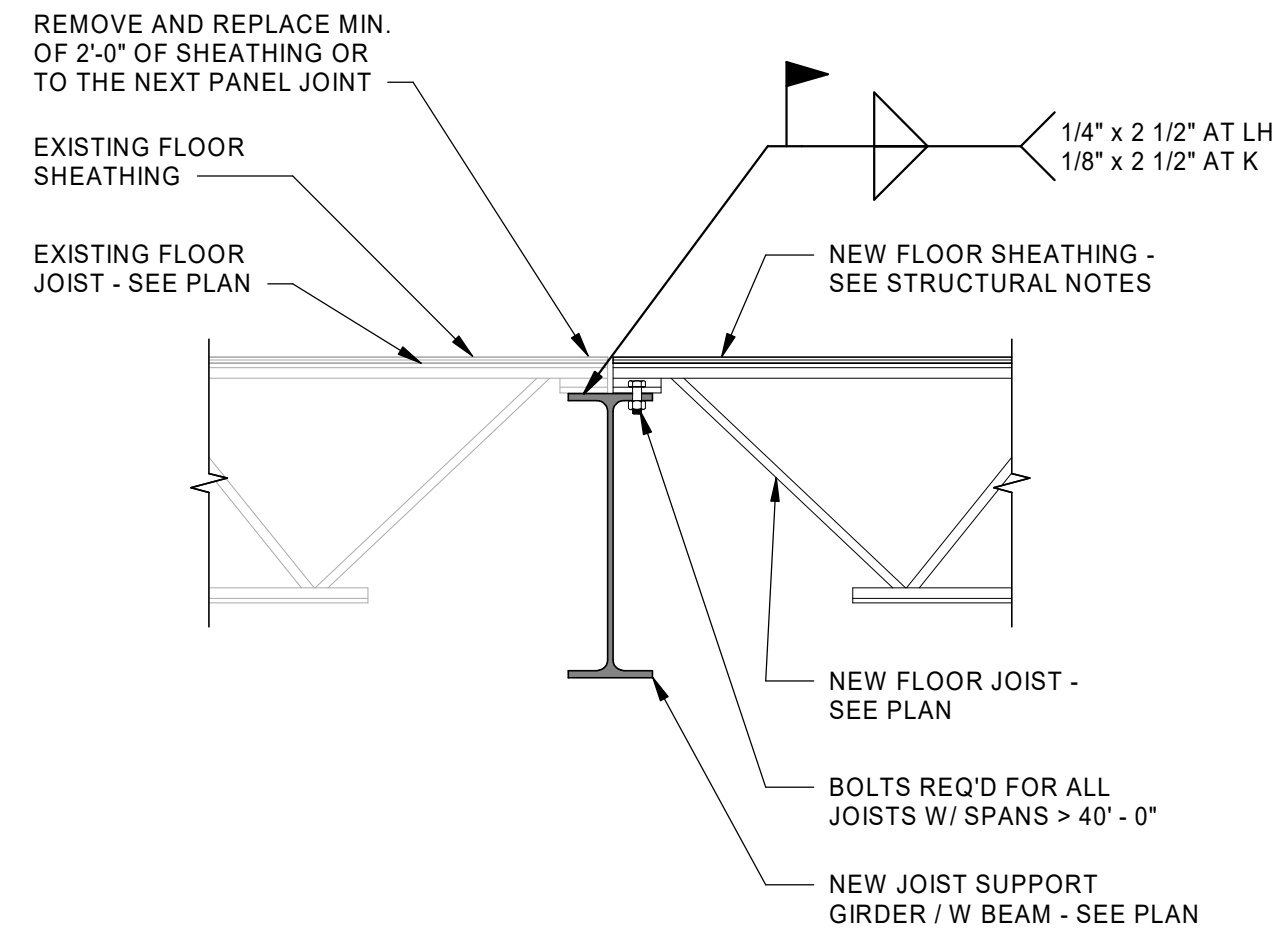
SHEET NUMBER
S201



JOISTS ON BEAM

SCALE: NONE

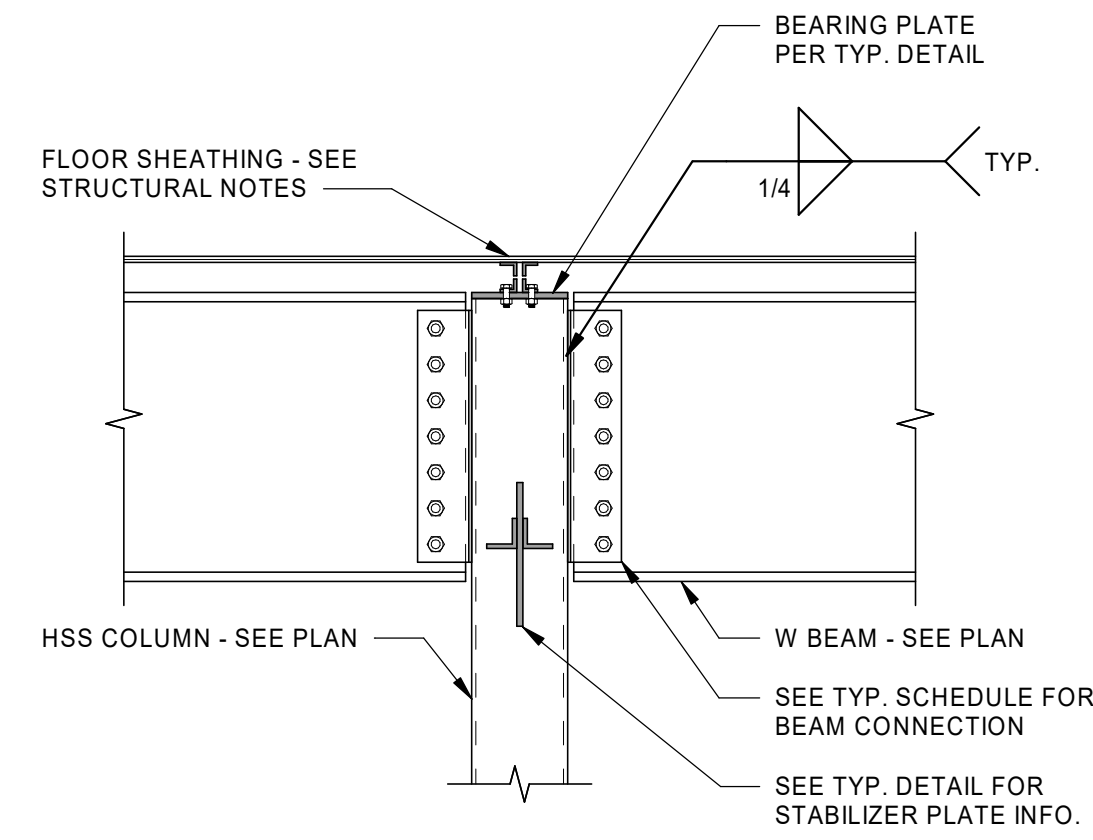
1
S210



JOISTS ON BEAM

SCALE: NONE

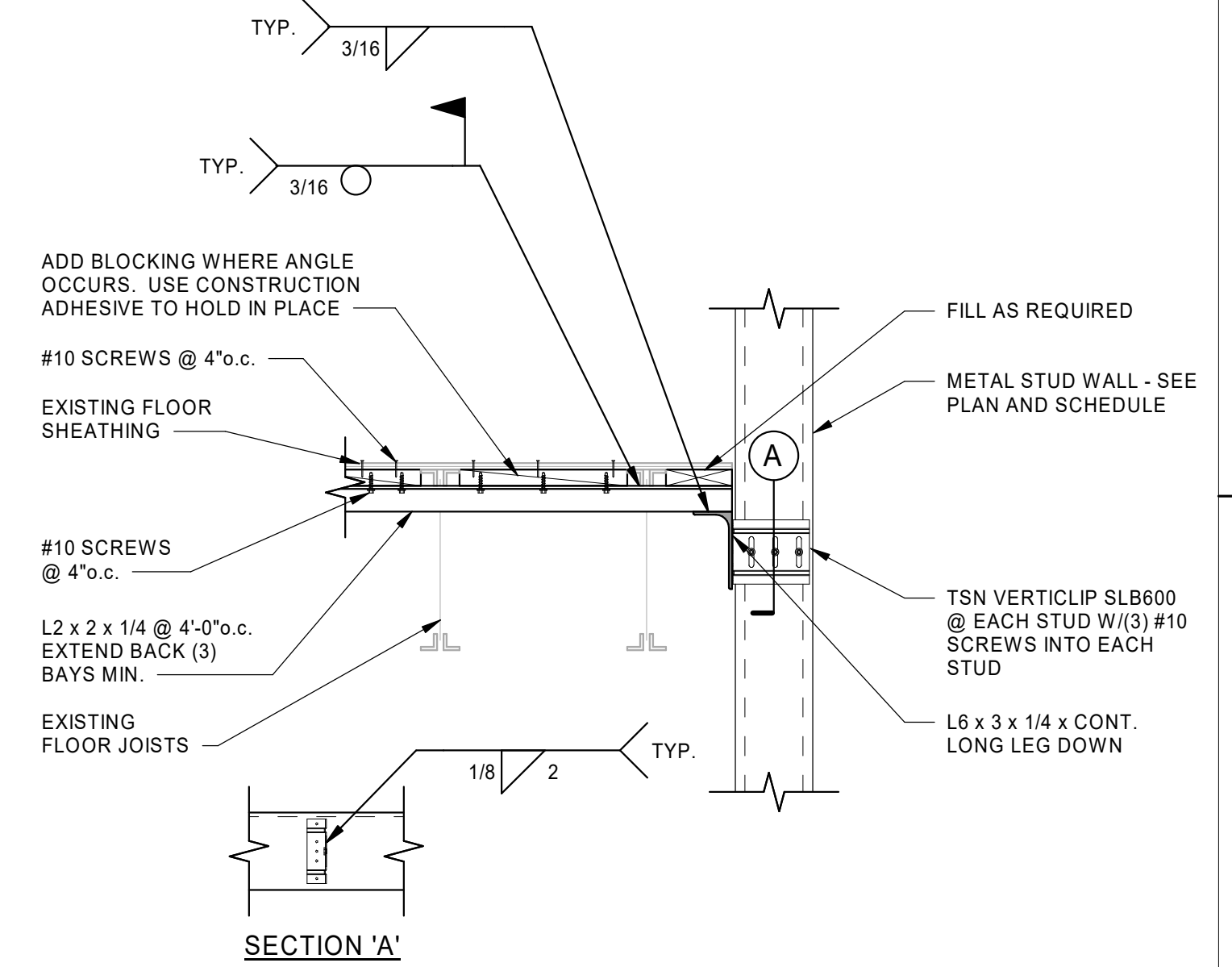
2
S210



BEAMS & JOISTS INTO HSS COLUMN

SCALE: NONE

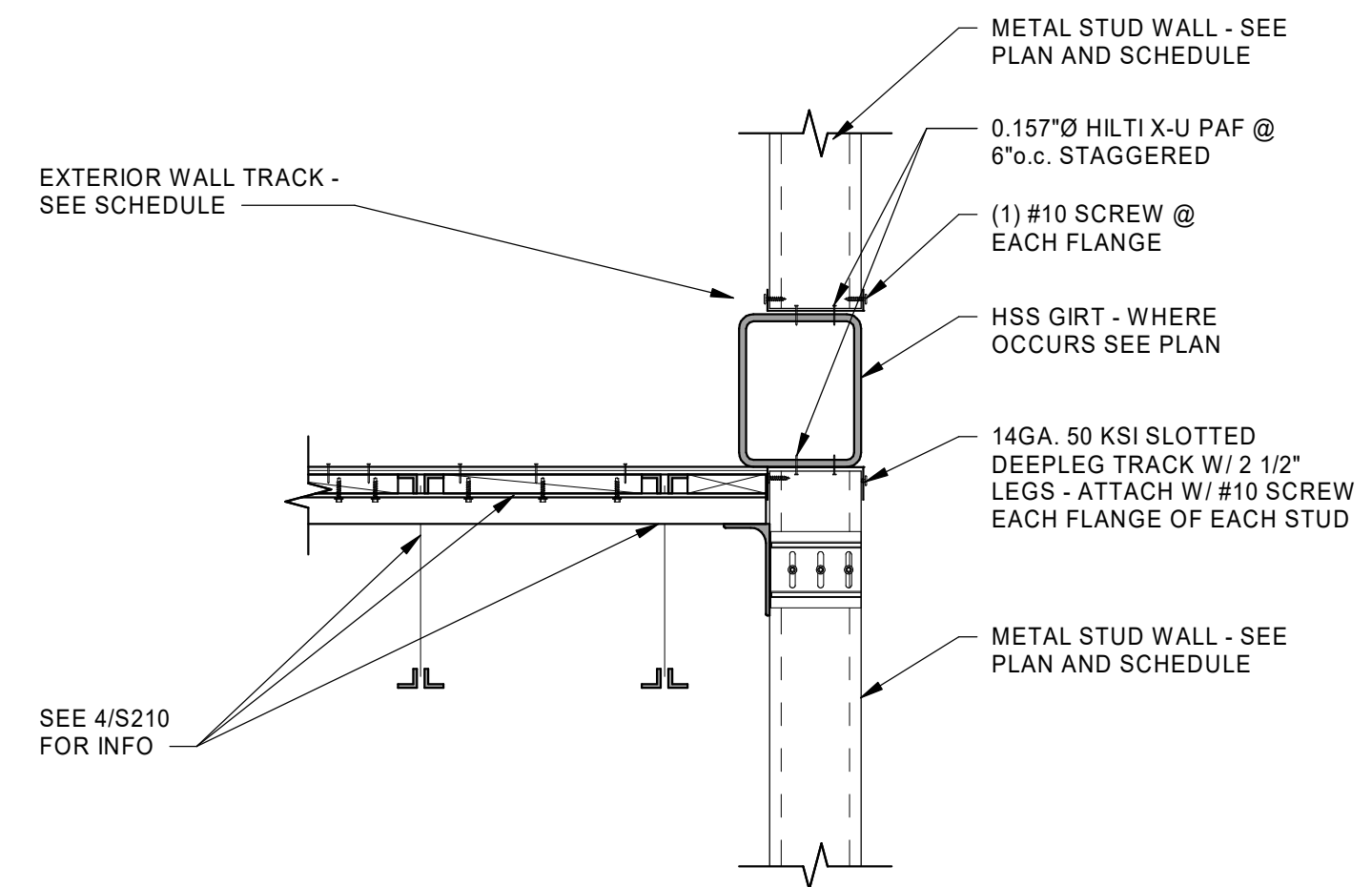
3
S210



DETAIL

SCALE: NONE

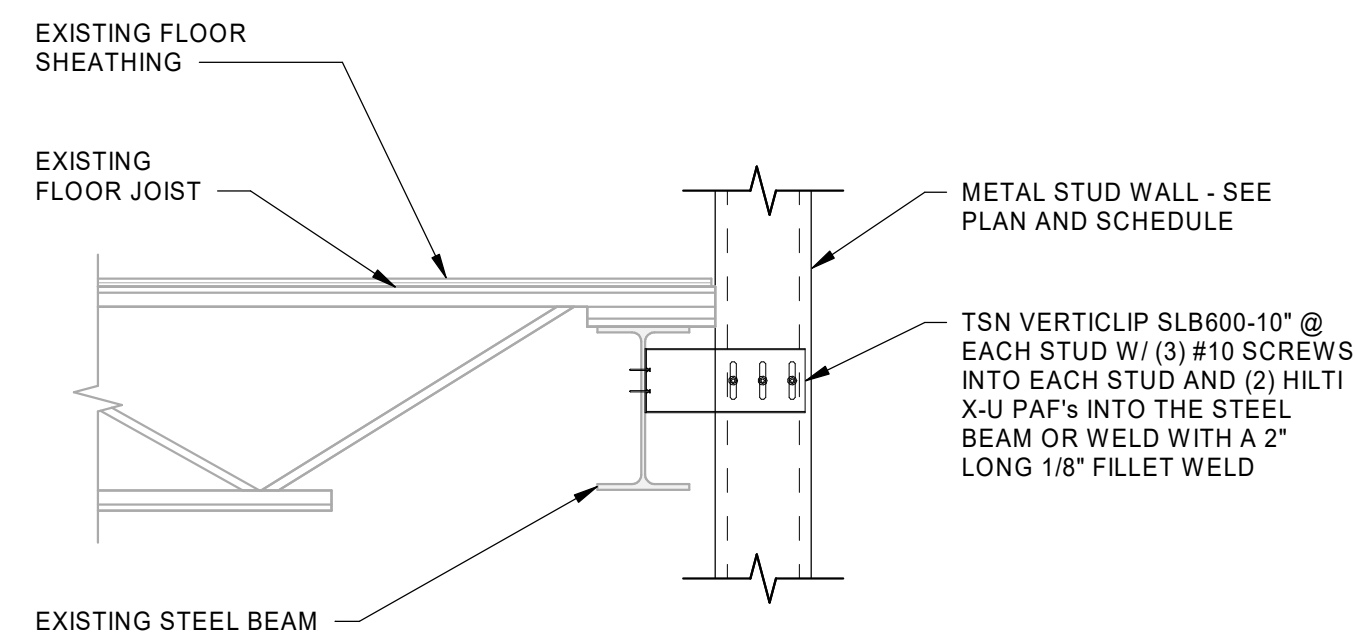
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S210



DETAIL

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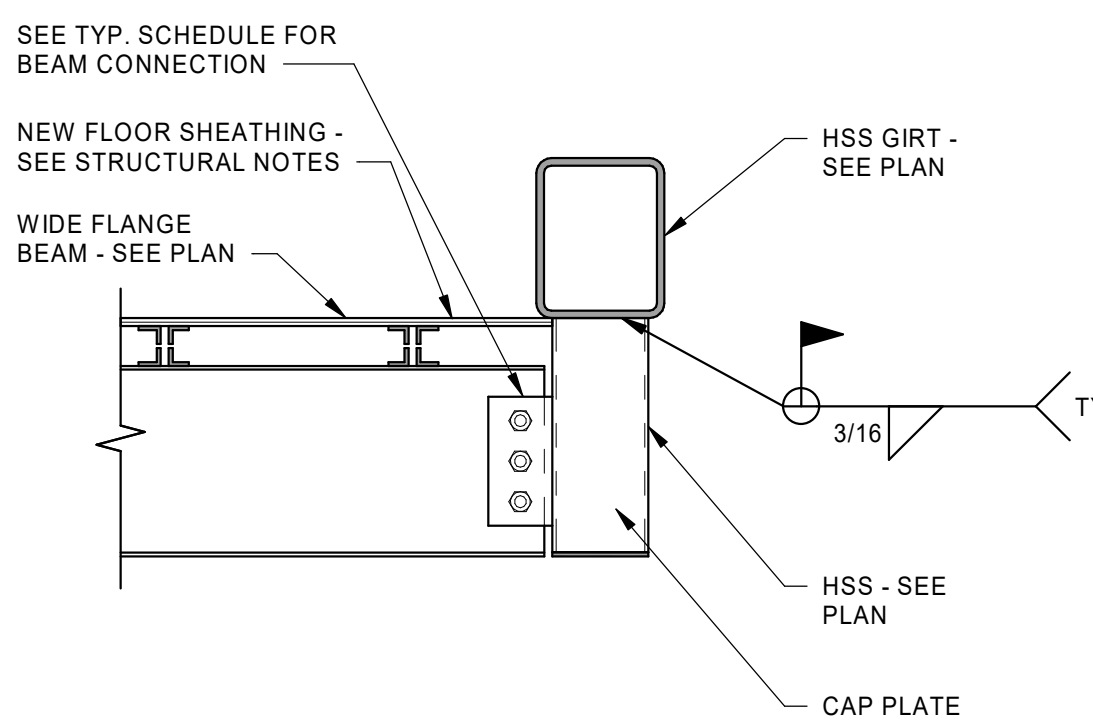
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S210



DETAIL

SCALE: NONE

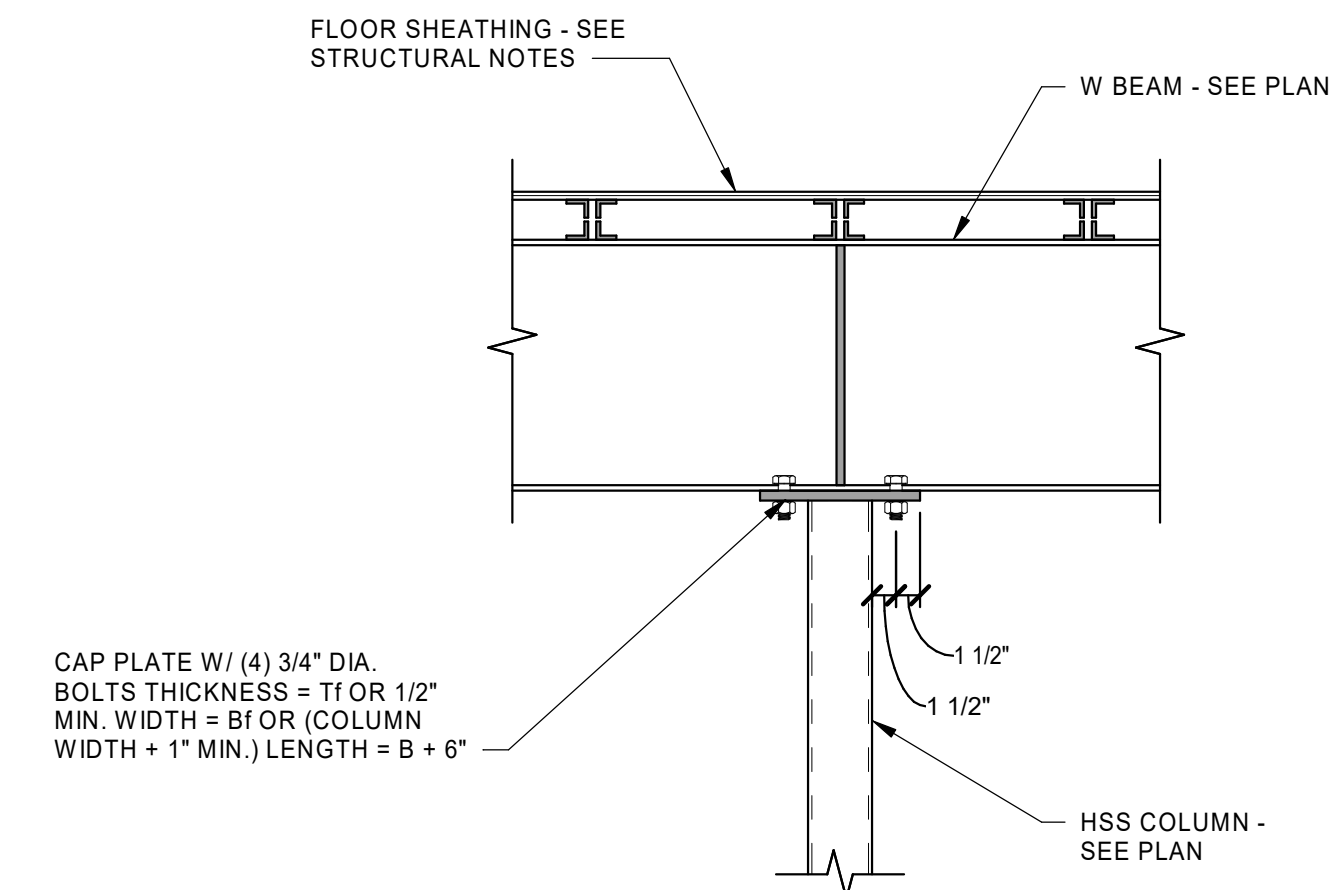
6
S210



DETAIL

SCALE: NONE

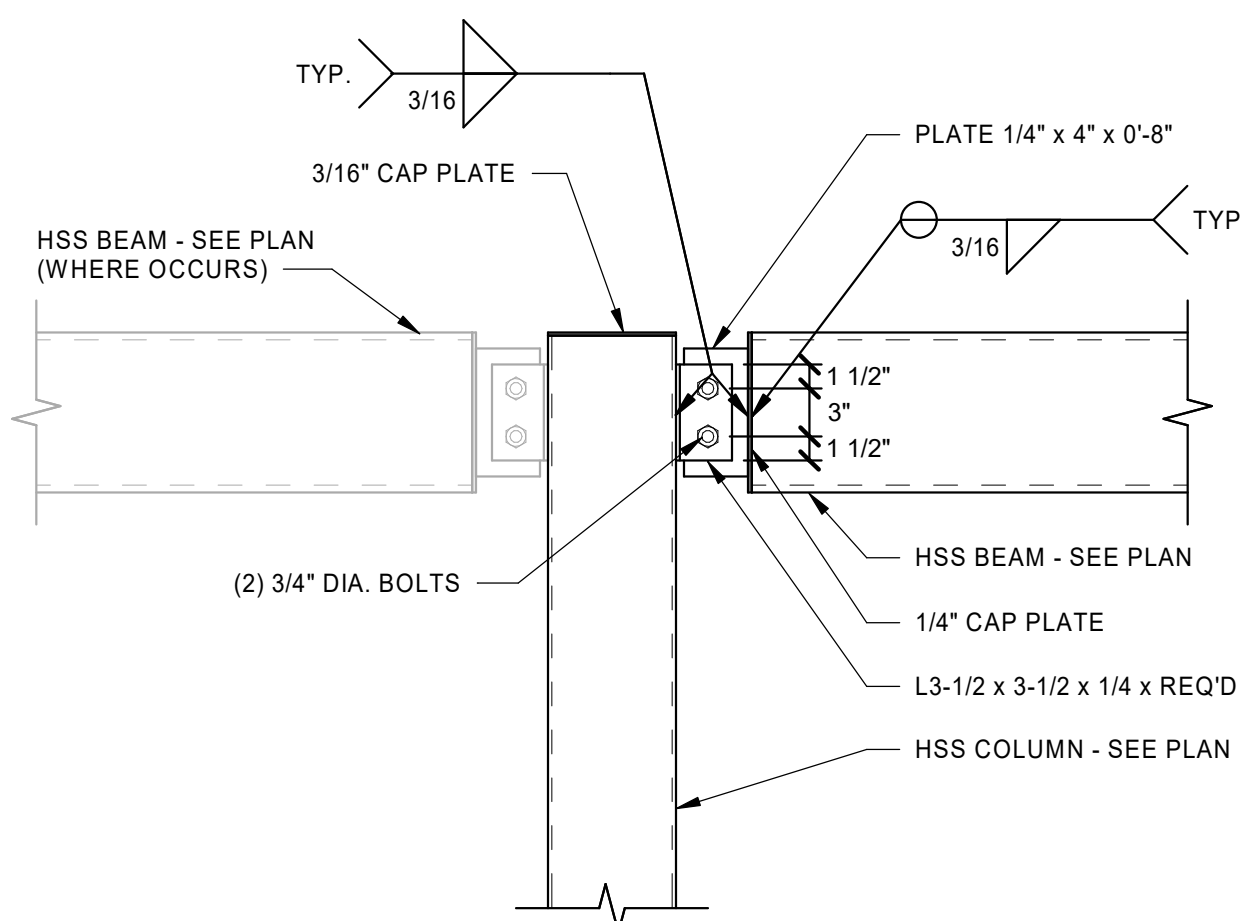
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S210



DETAIL

SCALE: NONE

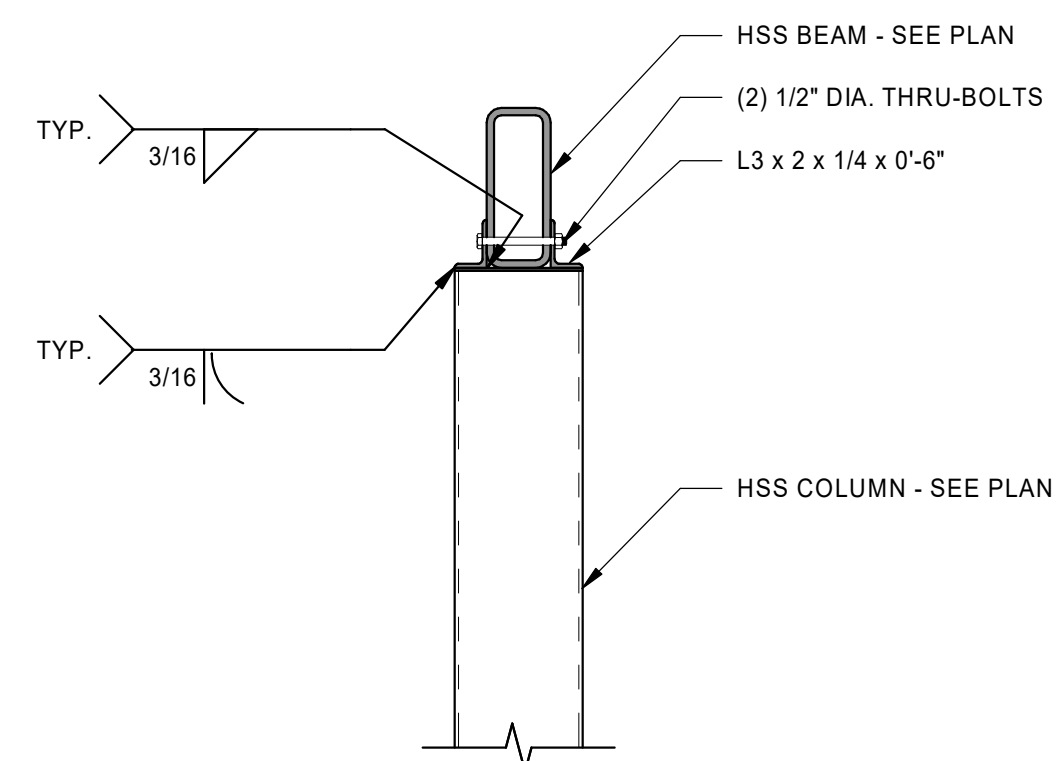
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S210



DETAIL

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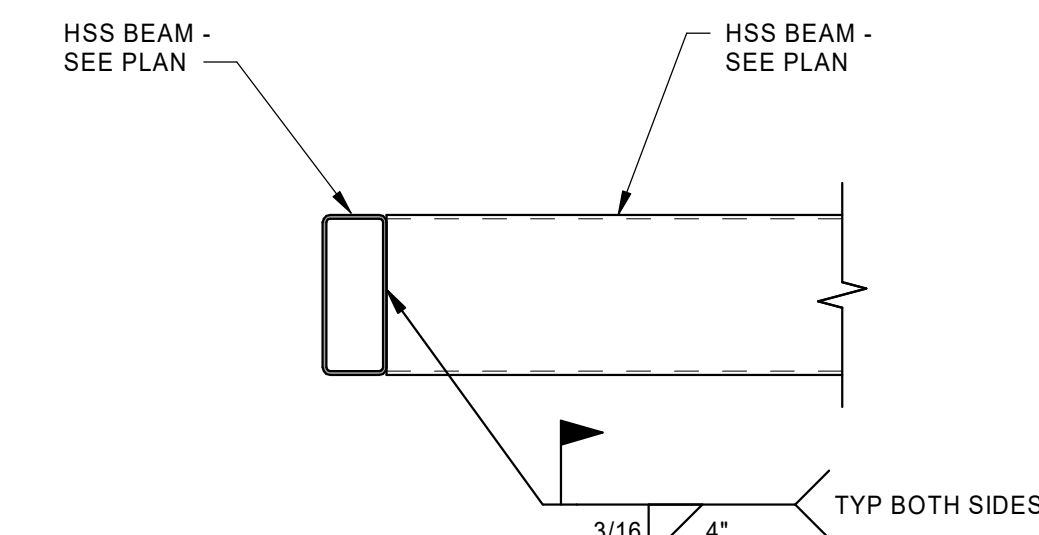
9
S210



DETAIL

SCALE: NONE

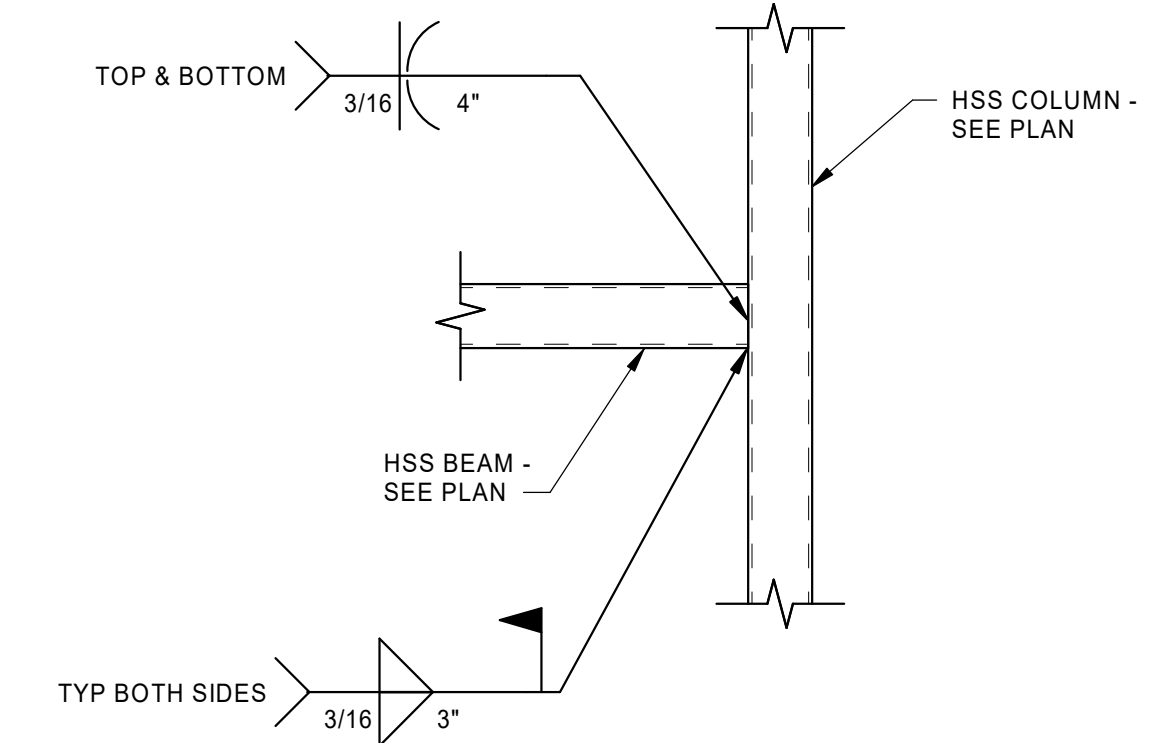
10
S210



DETAIL

SCALE: NONE

11
S210



DETAIL

SCALE: NONE

12
S210



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|---------------|----------|-----------------|--------------|------|---|
| Designed by: | NGW | Submitted: | 05 FEB 2024 | REV: | 0 |
| Drawn by: | JCP | File: | | | |
| Reviewed by: | DOC | Scale: | As indicated | | |
| Submitted by: | Approver | Project Number: | 23049 | | |

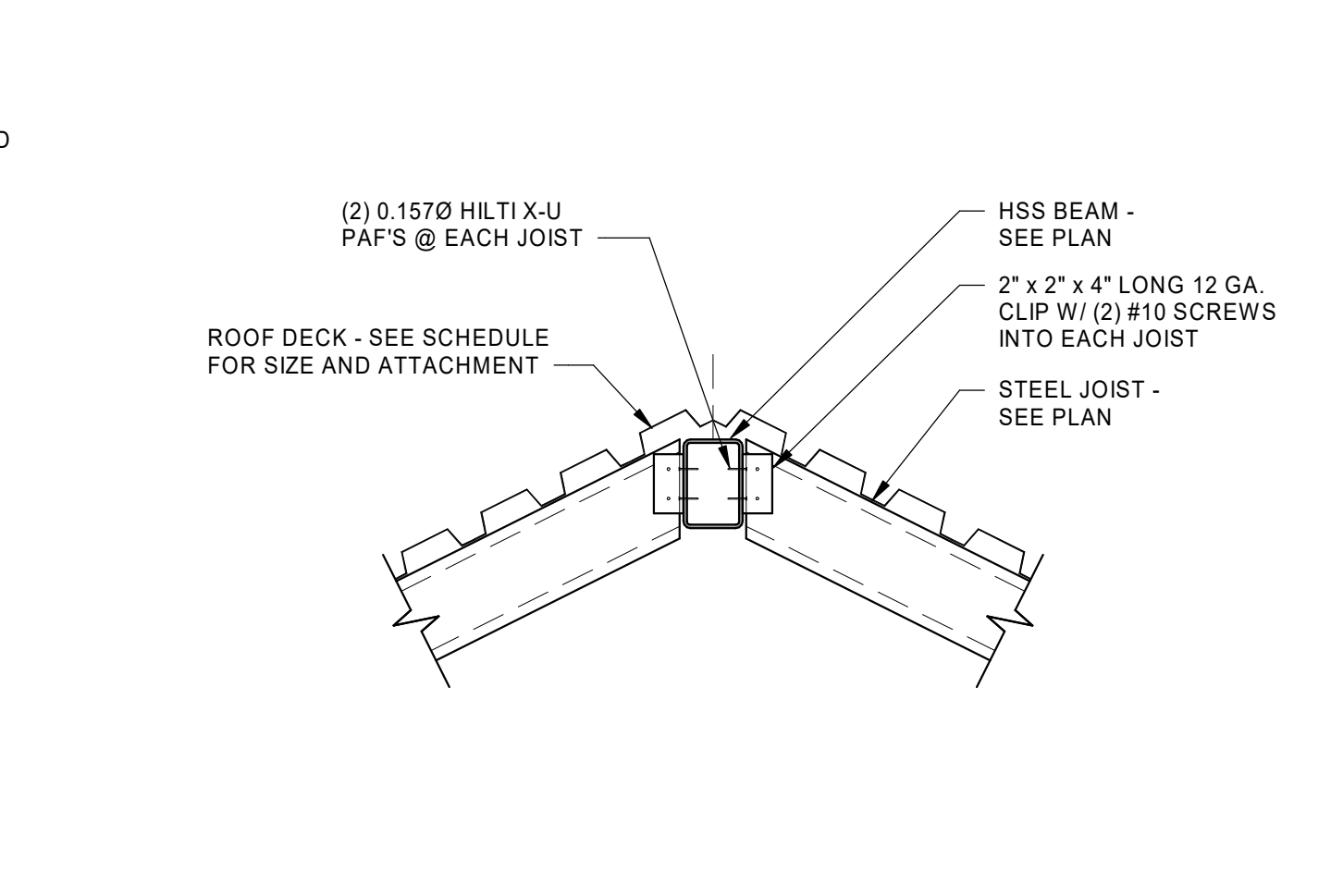
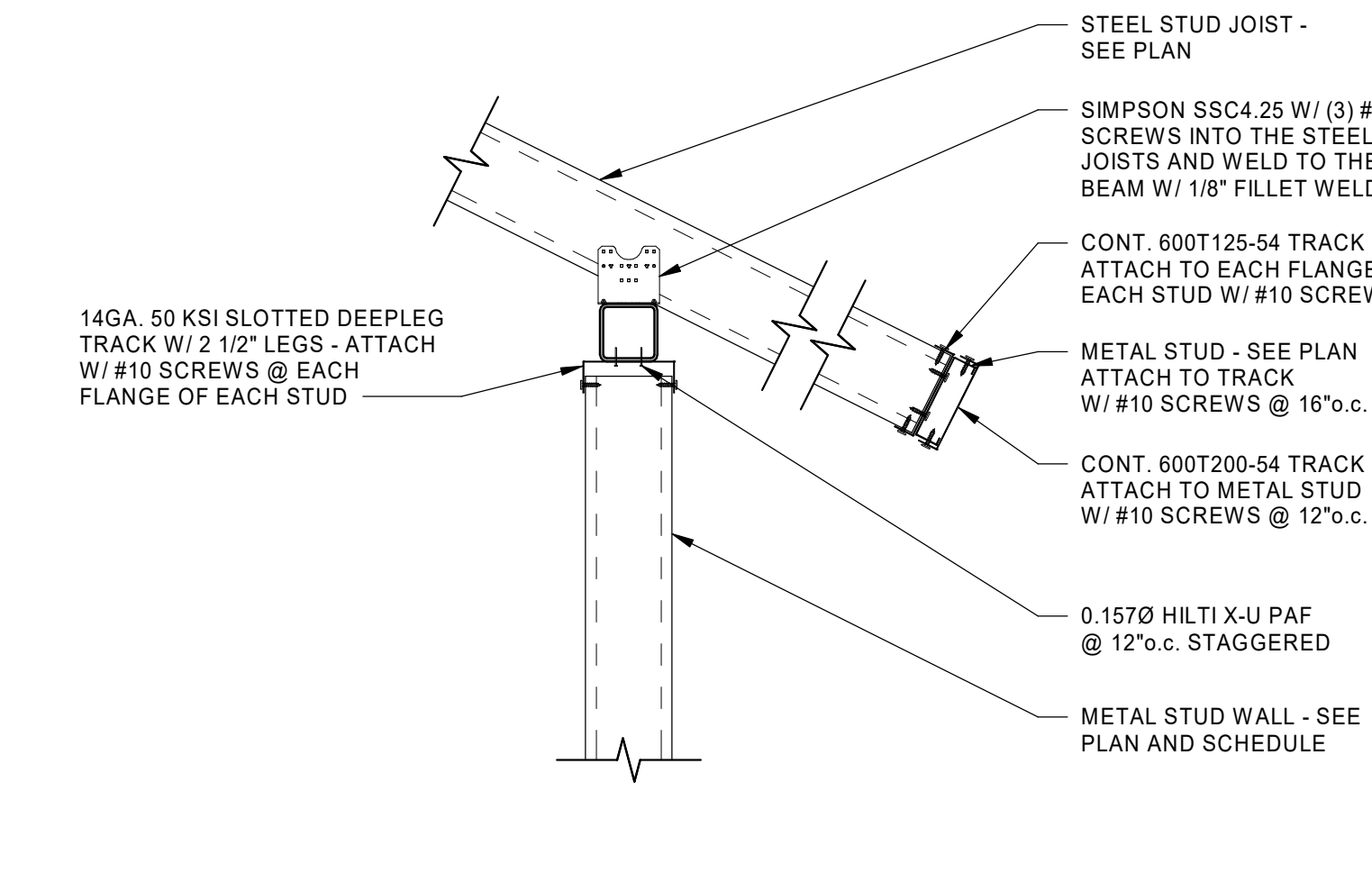
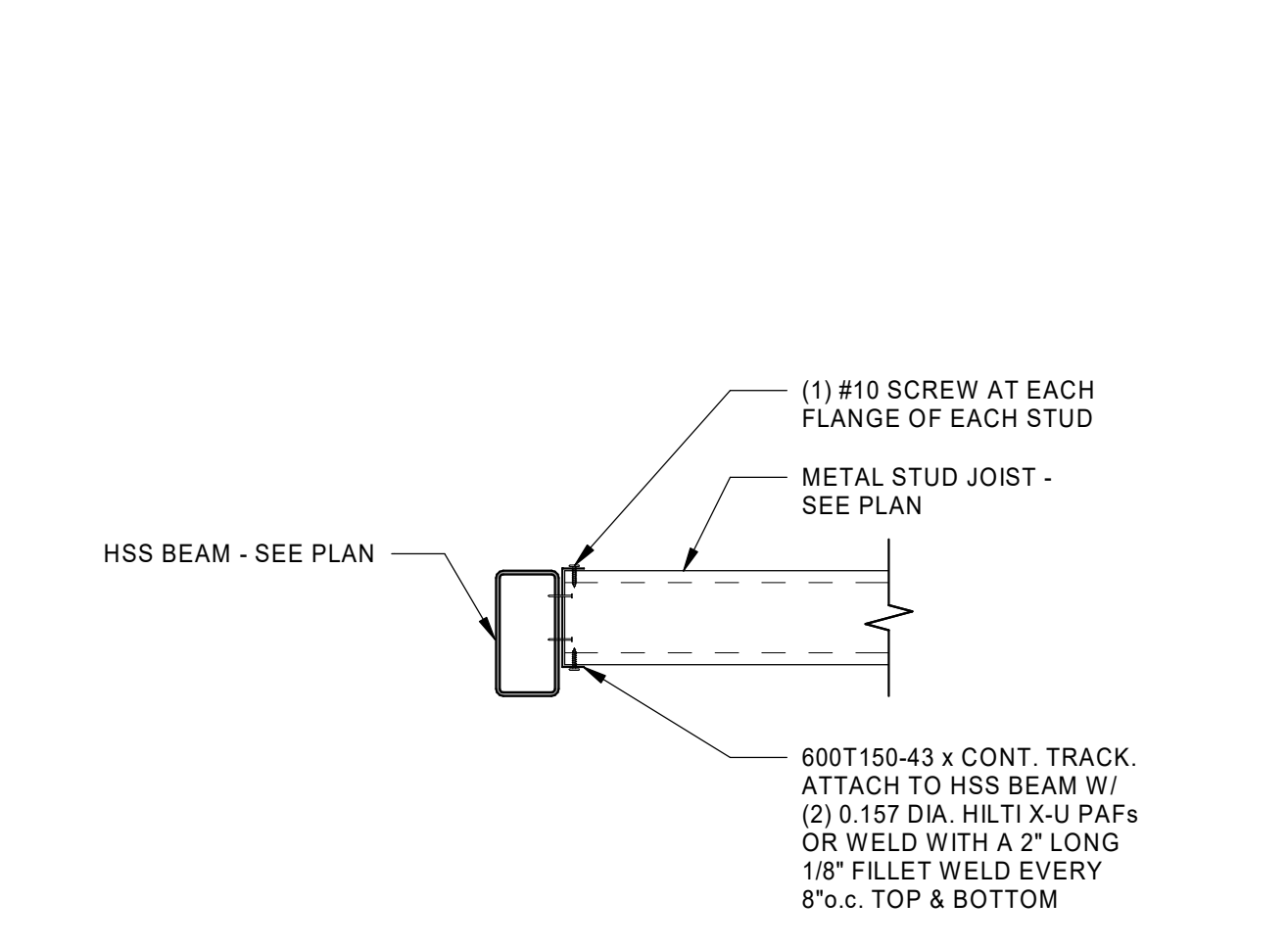
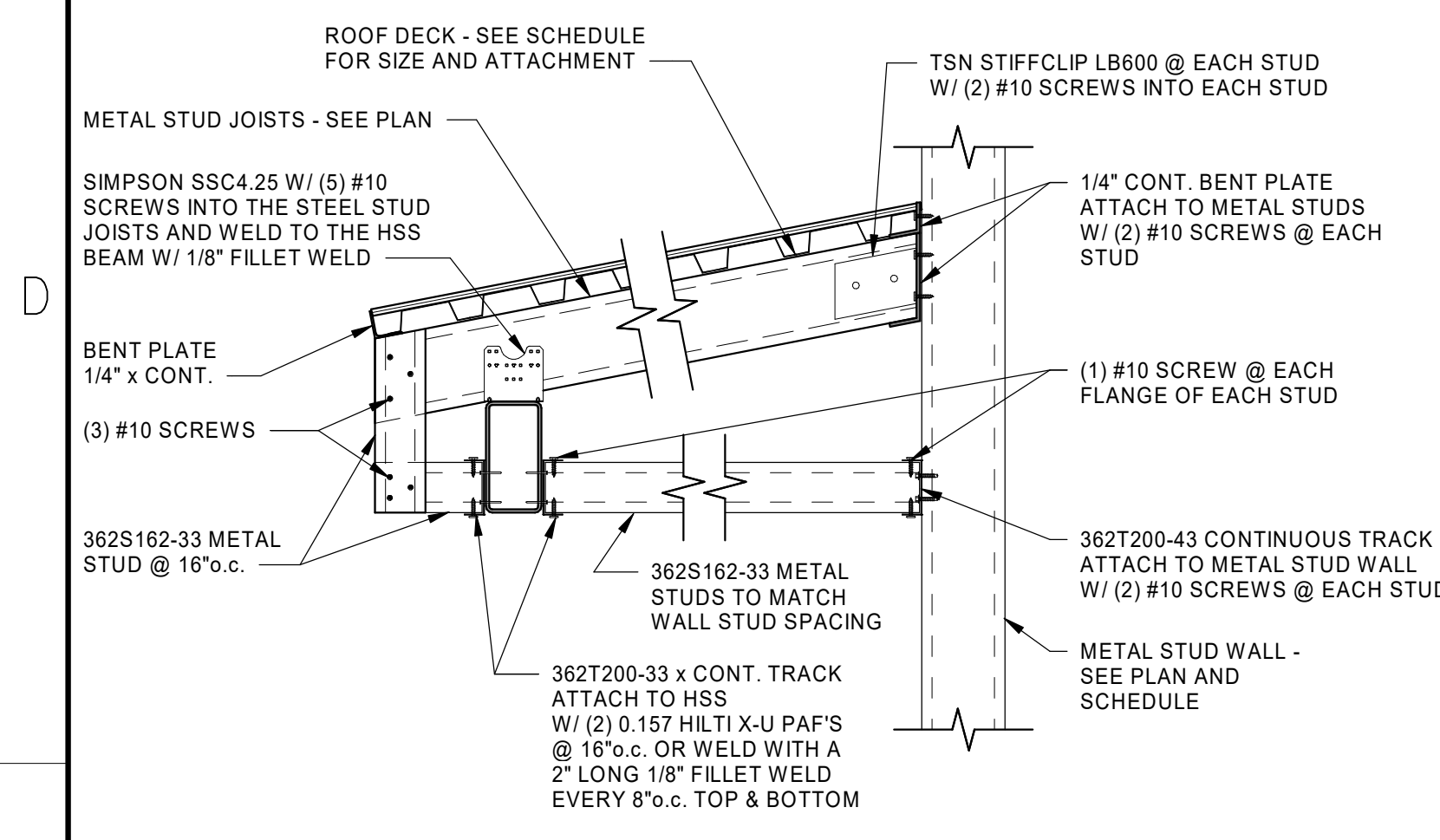
RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

FRAMING DETAILS

SHEET NUMBER

S210

1 2 3 4 5

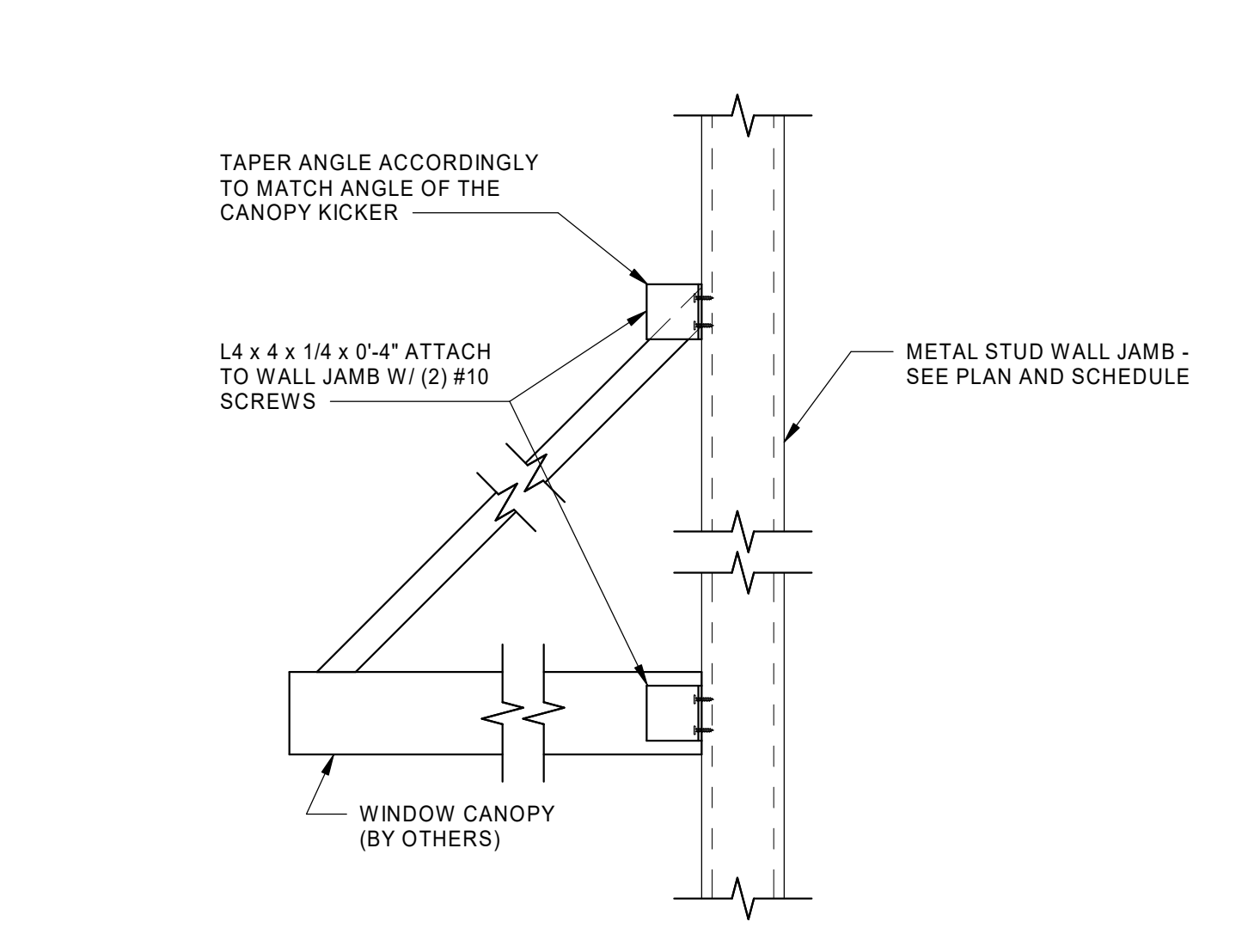
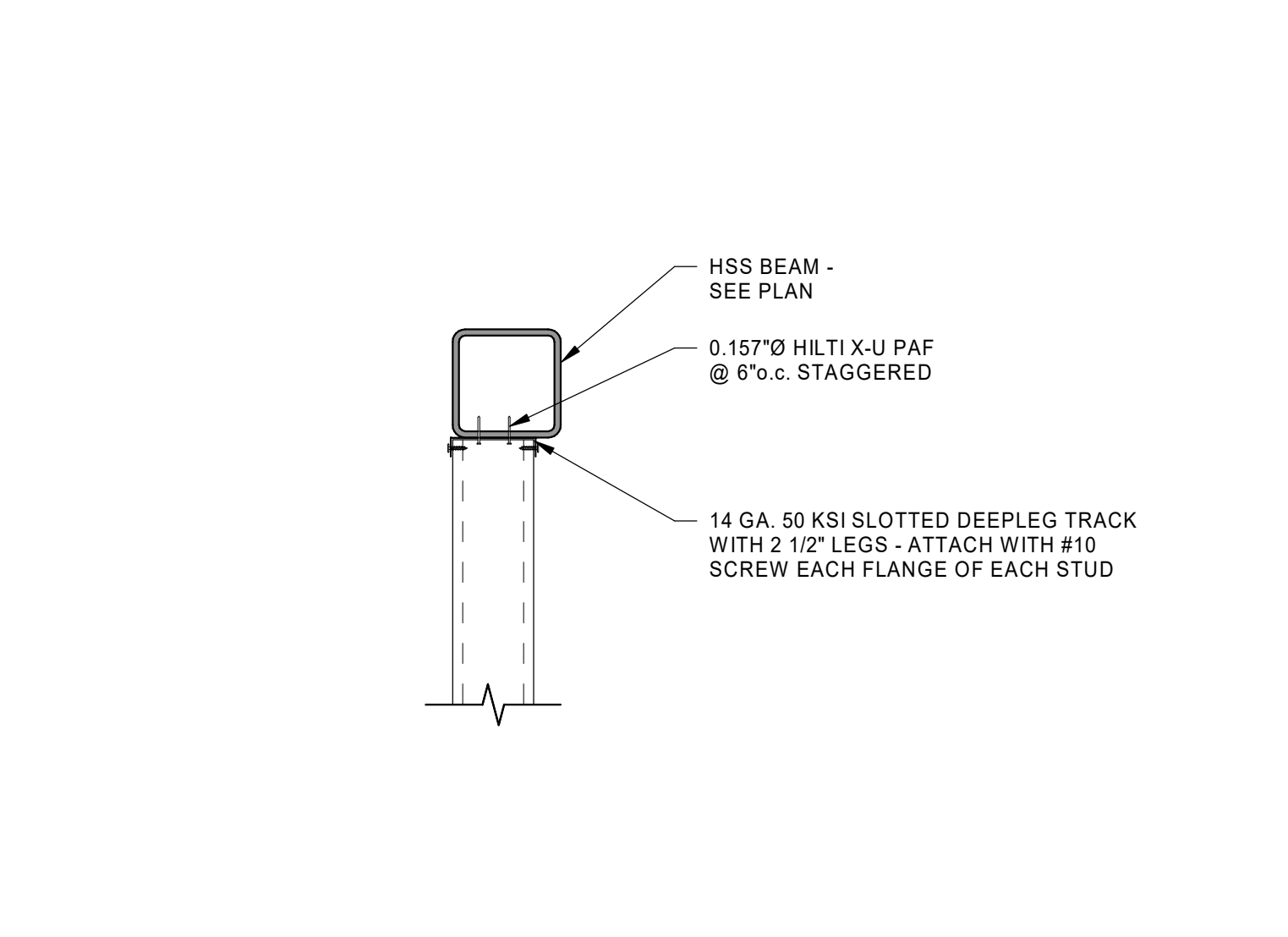
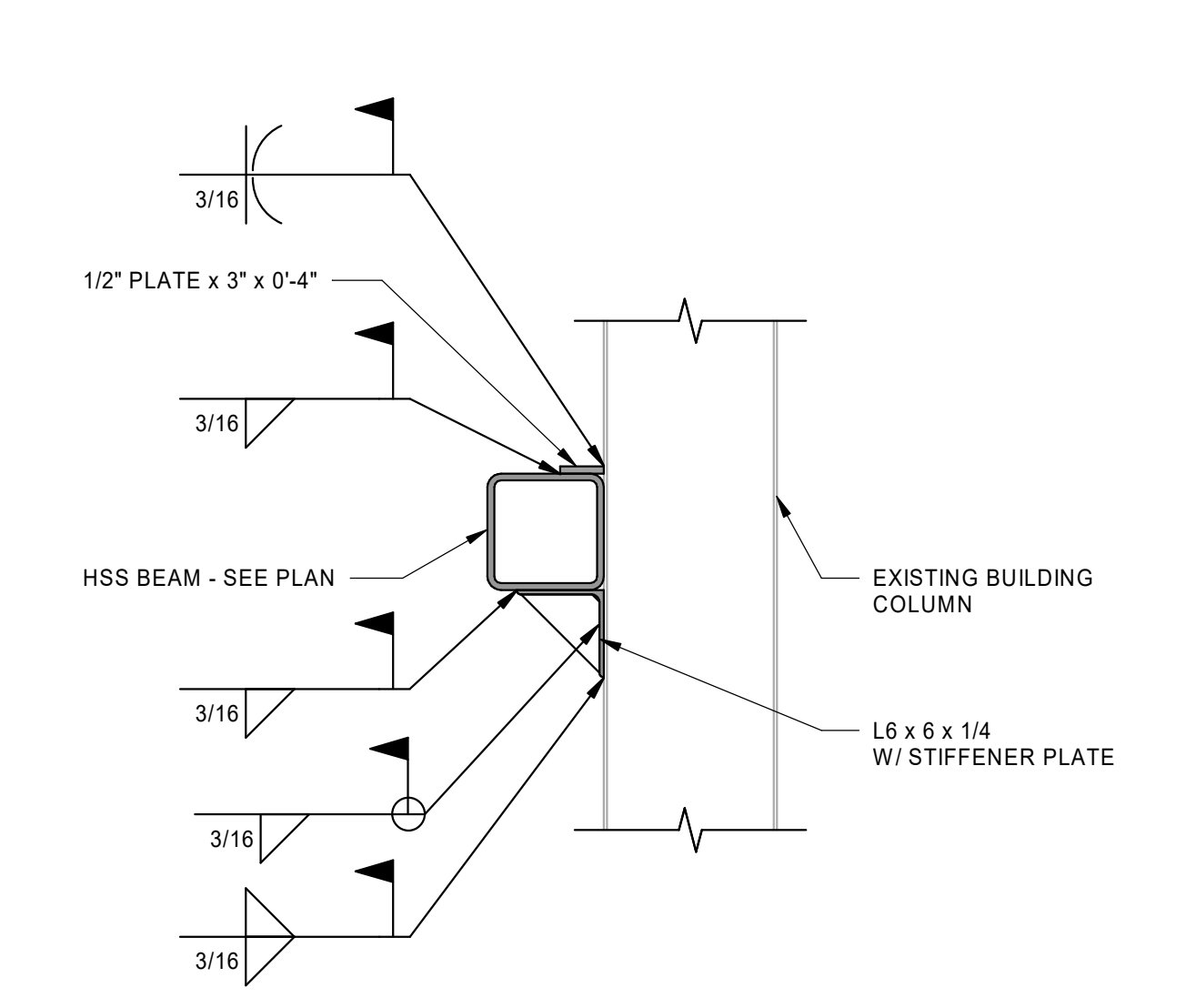
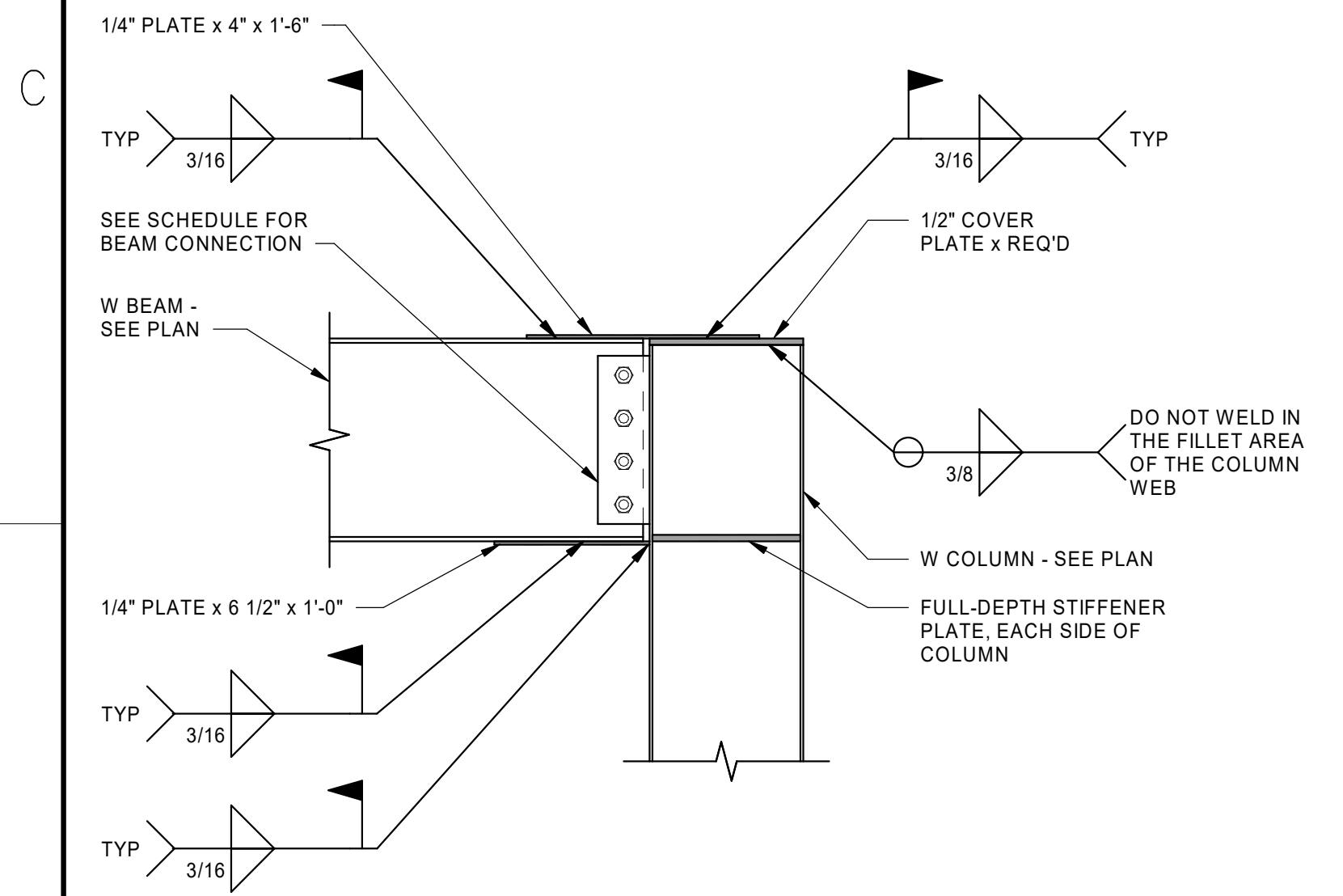


DETAIL 1
SCALE: NONE

DETAIL 2
SCALE: NONE

DETAIL 3
SCALE: NONE

DETAIL 4
SCALE: NONE

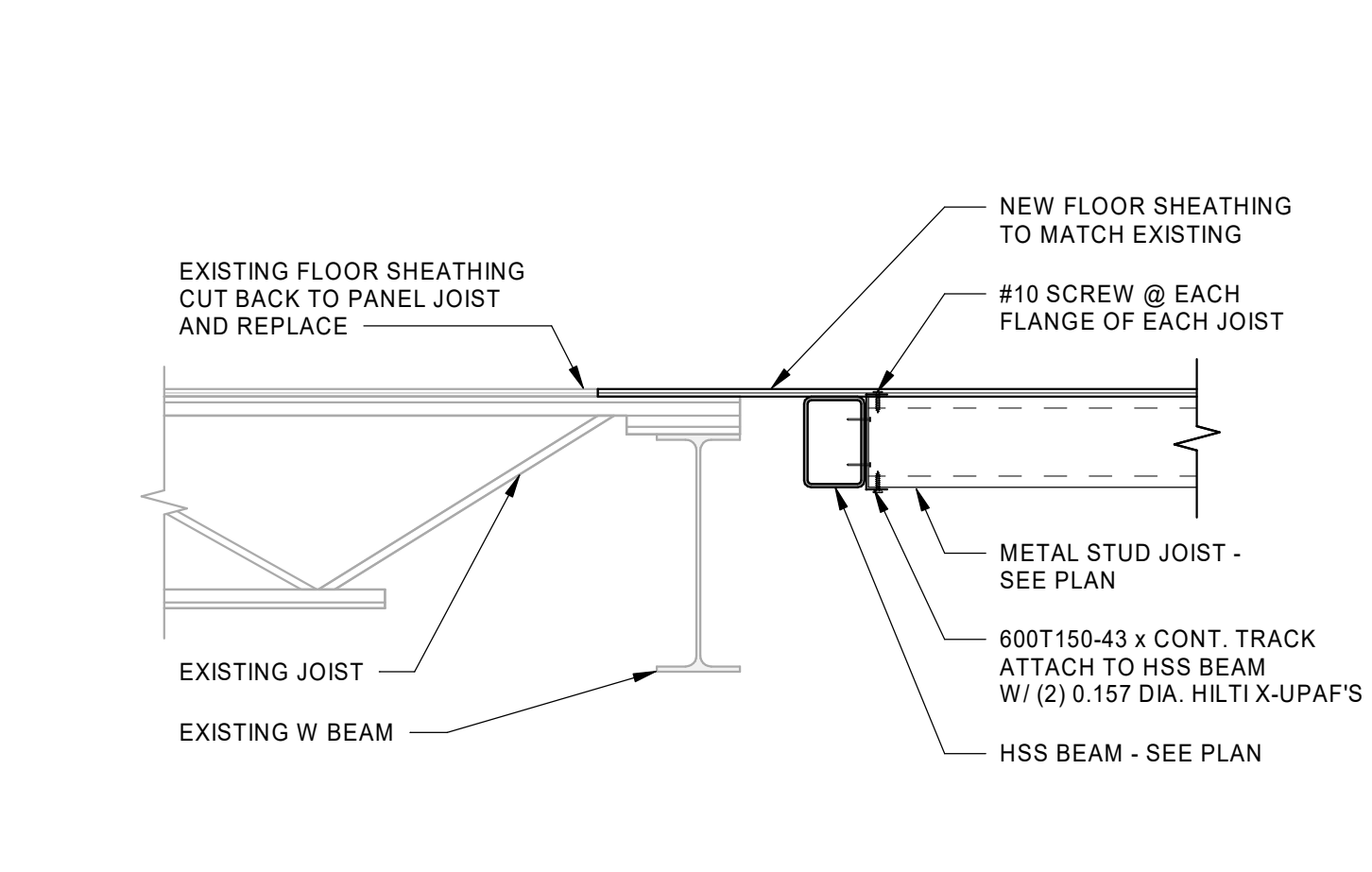
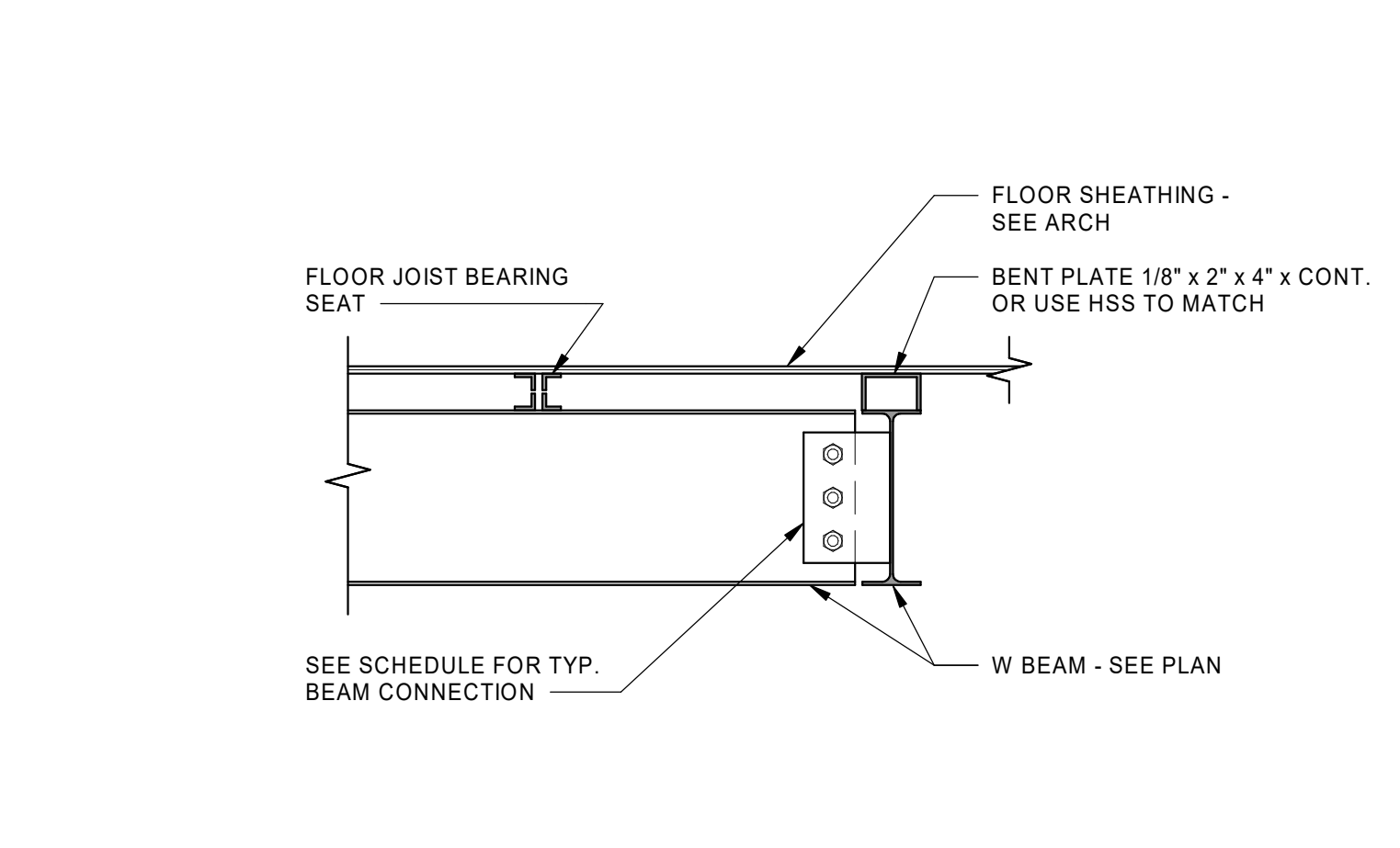
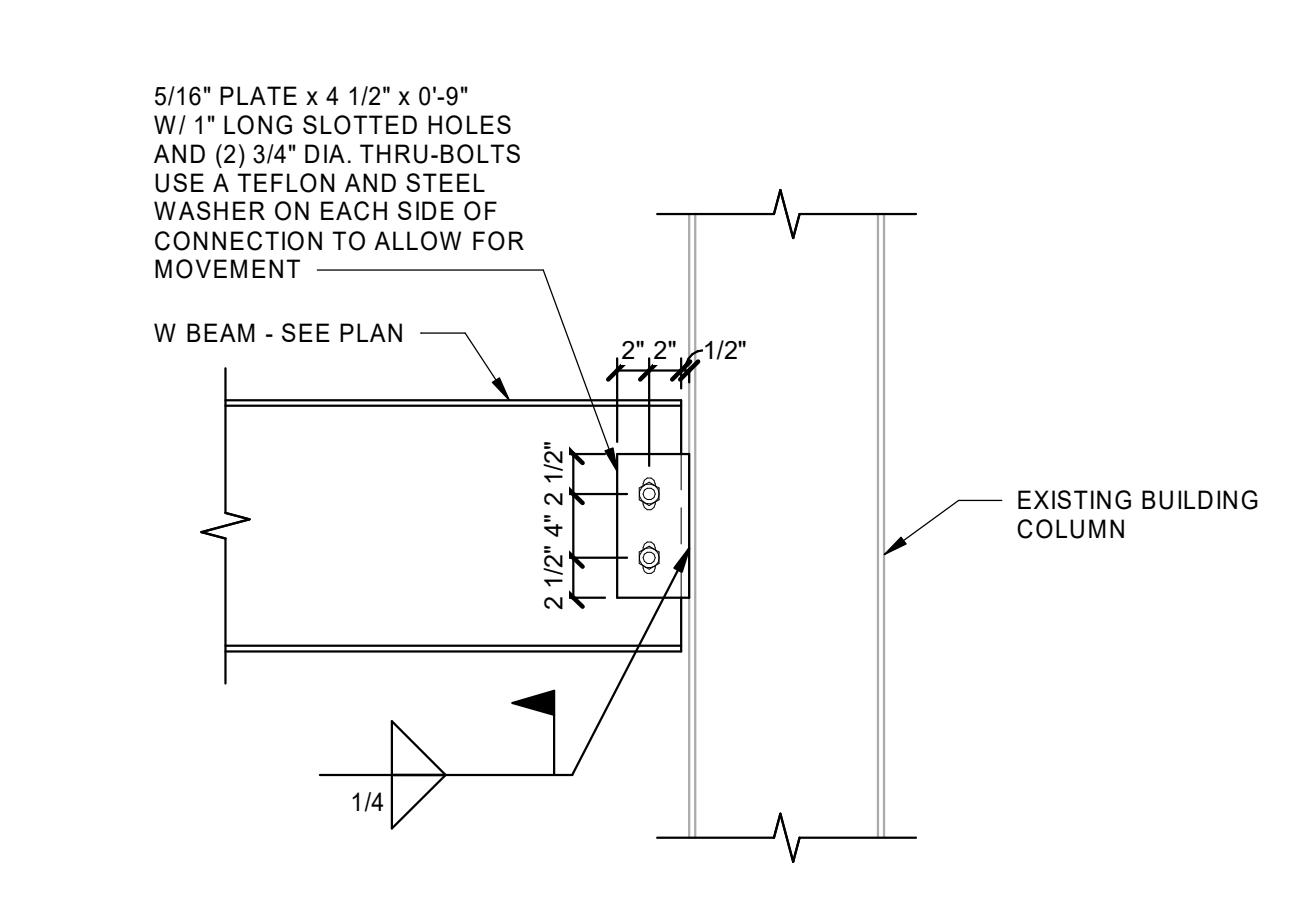
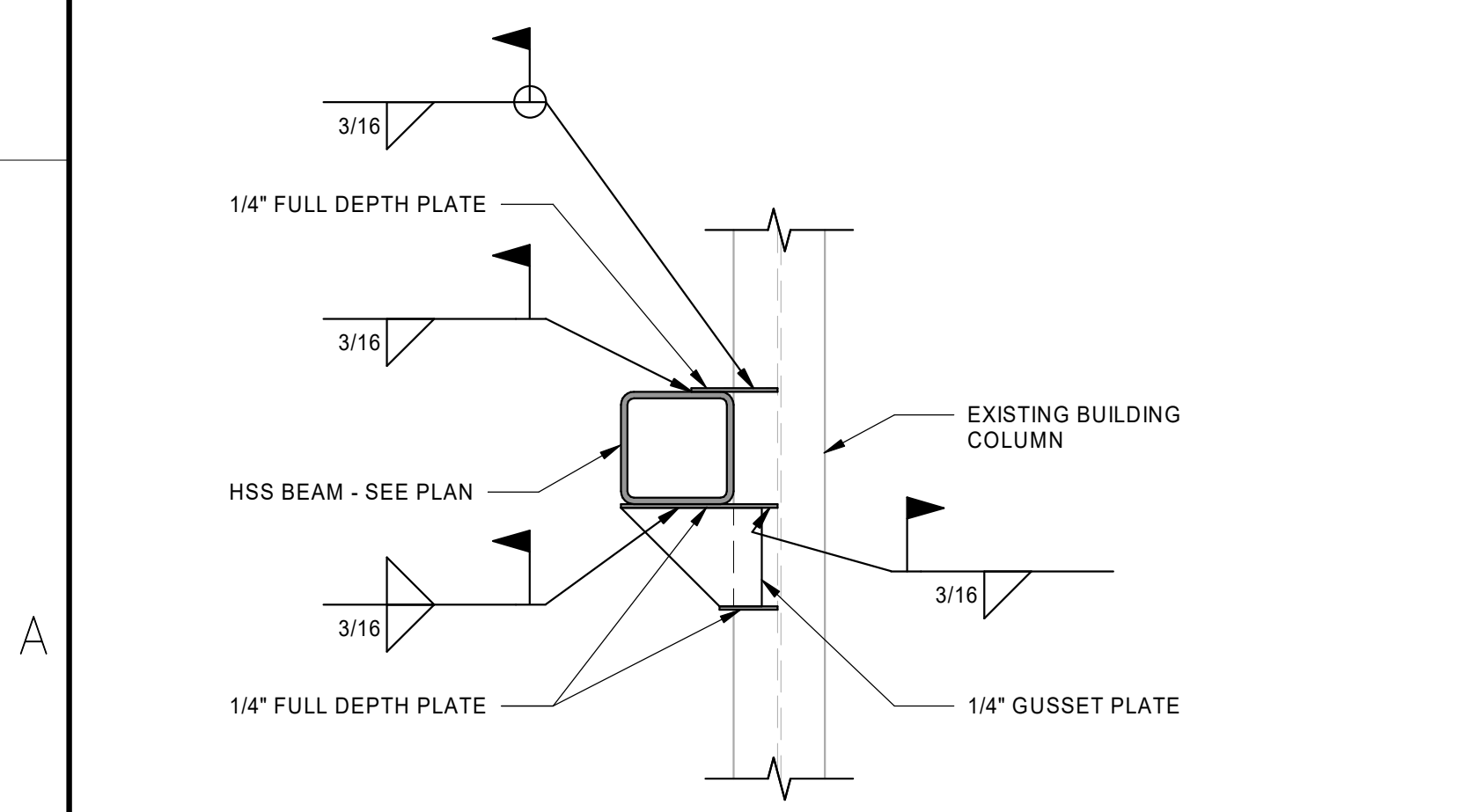


DETAIL 5
SCALE: NONE

DETAIL 6
SCALE: NONE

DETAIL 7
SCALE: NONE

DETAIL 8
SCALE: NONE



DETAIL 9
SCALE: NONE

DETAIL 10
SCALE: NONE

DETAIL 11
SCALE: NONE

DETAIL 12
SCALE: NONE



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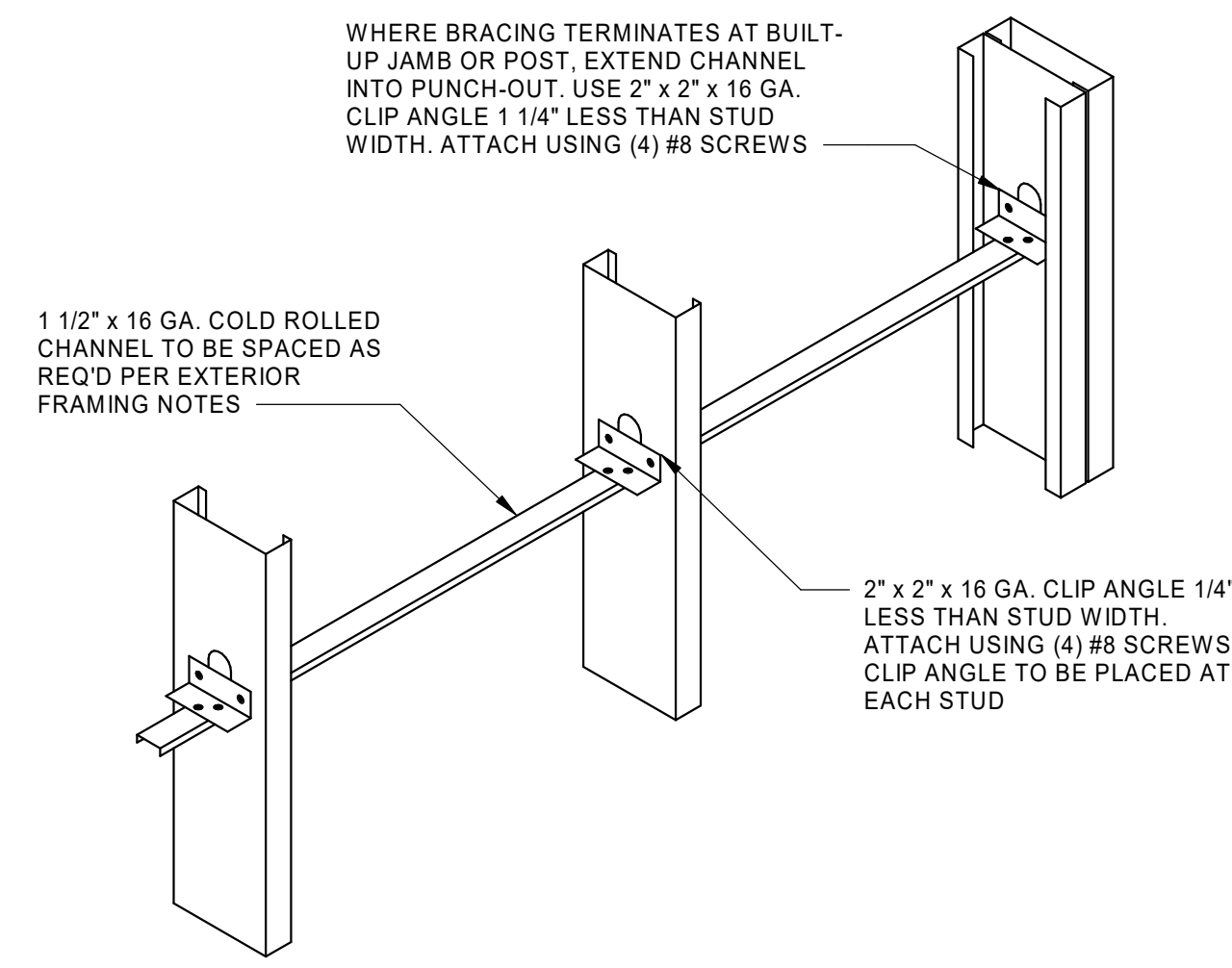
| Rev. | Date | Description |
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| Designed by: | Submitted: | REV: |
| NGW | 05 FEB 2024 | 0 |
| Drawn by: | File: | |
| JCP | | |
| Reviewed by: | Scale: | |
| DOC | 1" = 1'-0" | |
| Submitted by: | Project Number: | |
| Approver: | 23049 | |

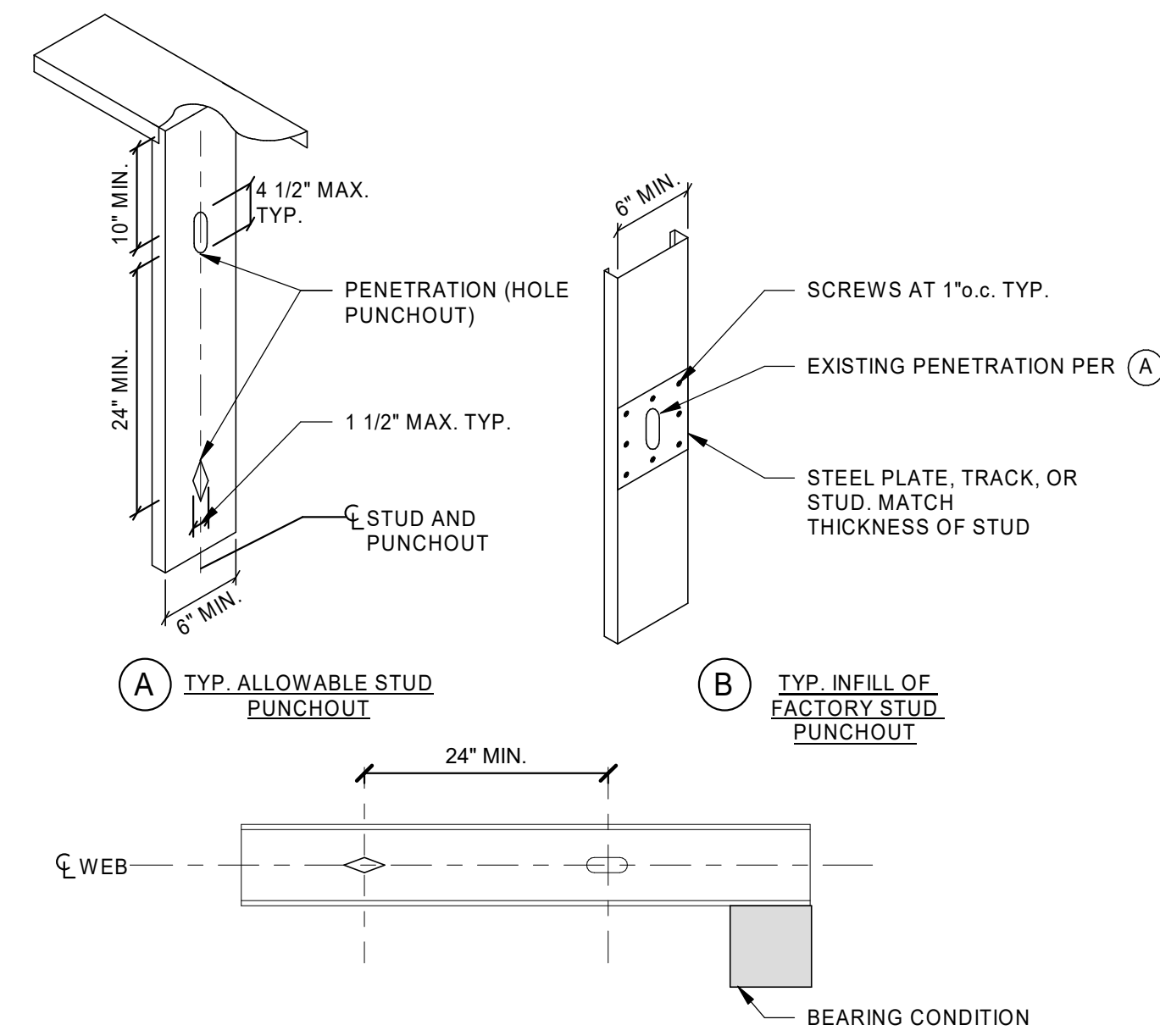
RCH Valley
Real Color Holdings, LLC
 875 Valley St
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 80915

METAL STUD DETAILS

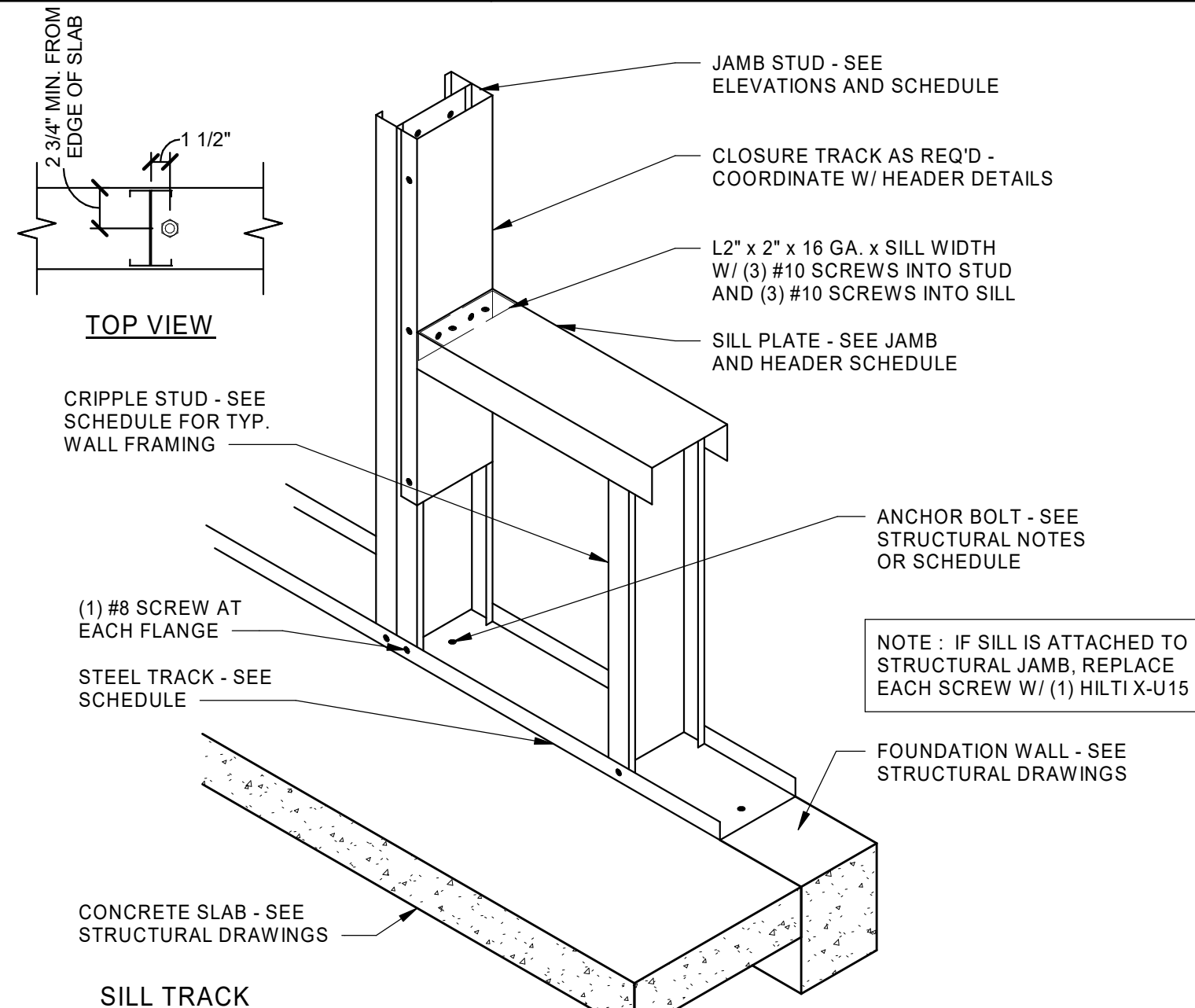
SHEET NUMBER
S220



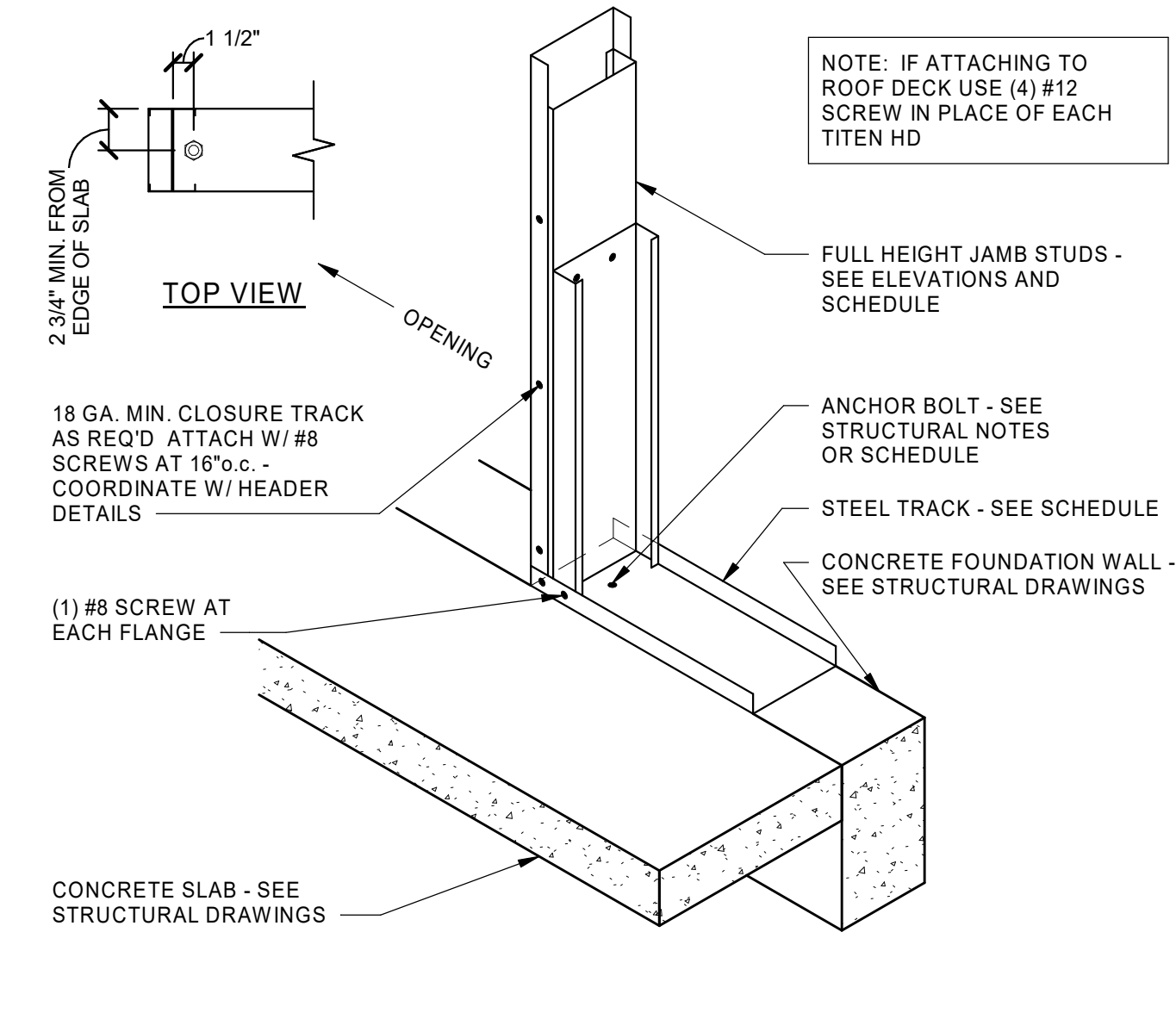
TYP. LATERAL BRACING / BRIDGING
SCALE: NONE



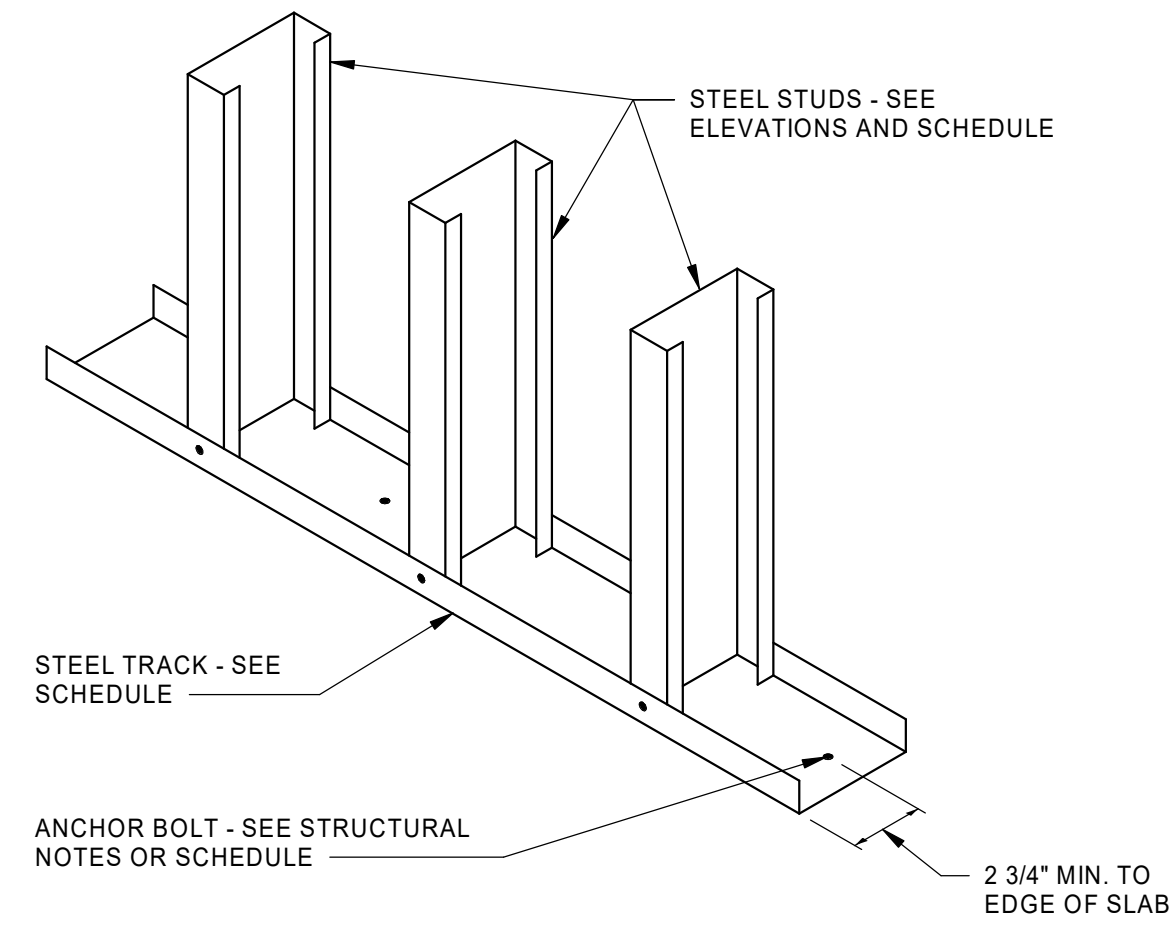
DETAIL
SCALE: NONE



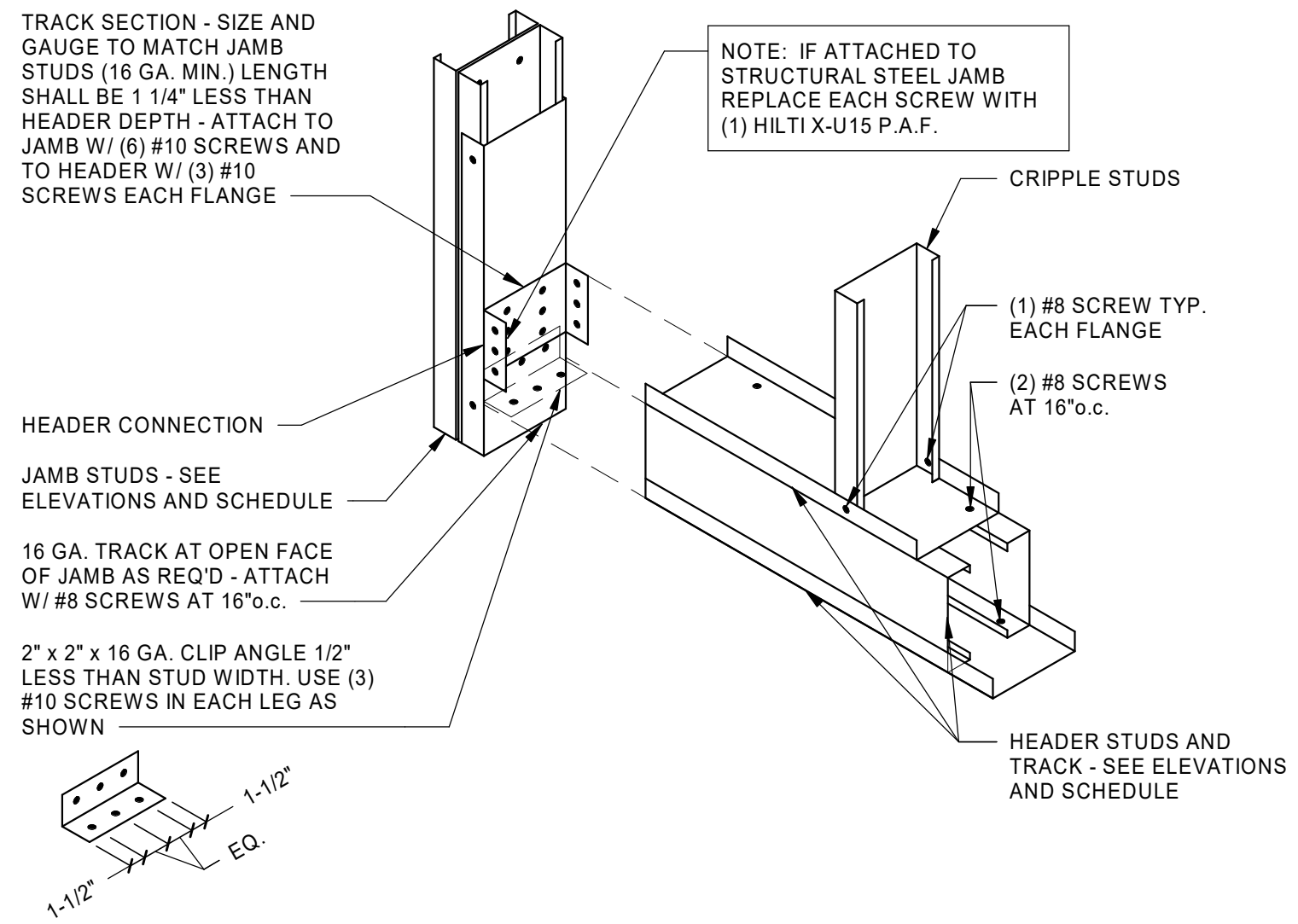
SILL TRACK CONNECTION @ WINDOW OPENINGS
SCALE: NONE



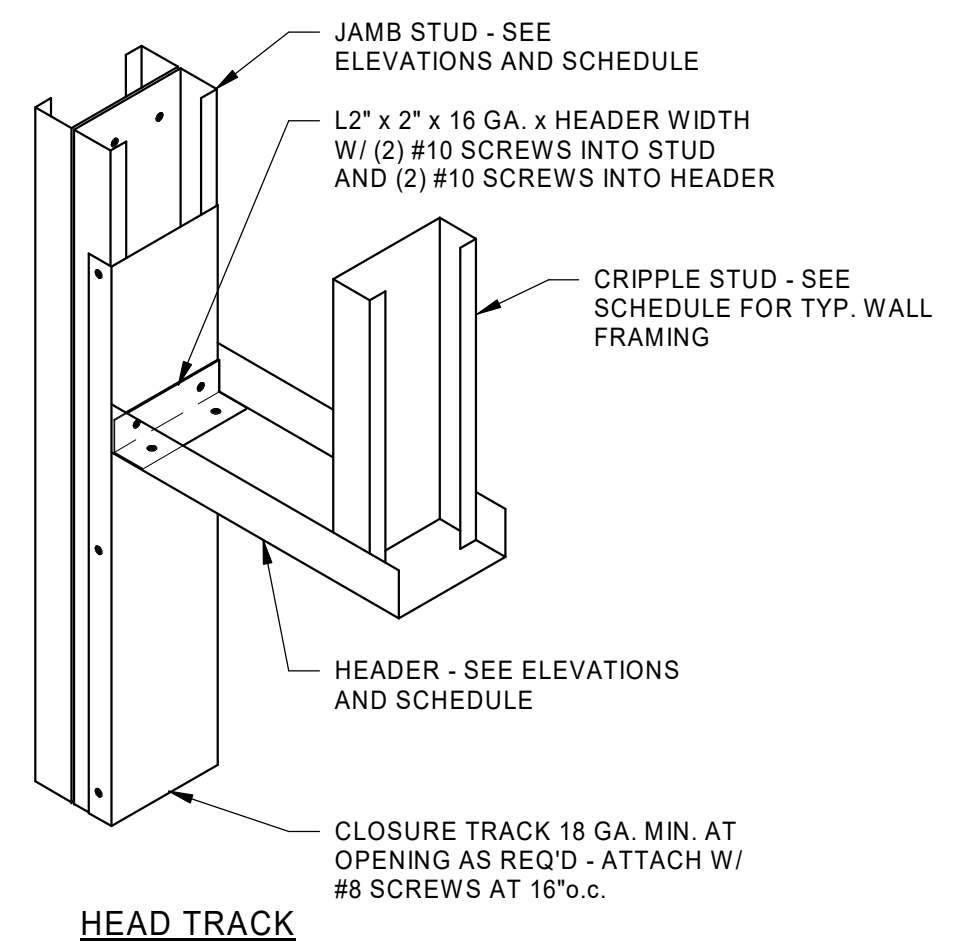
DOOR JAMB ANCHORAGE
SCALE: NONE



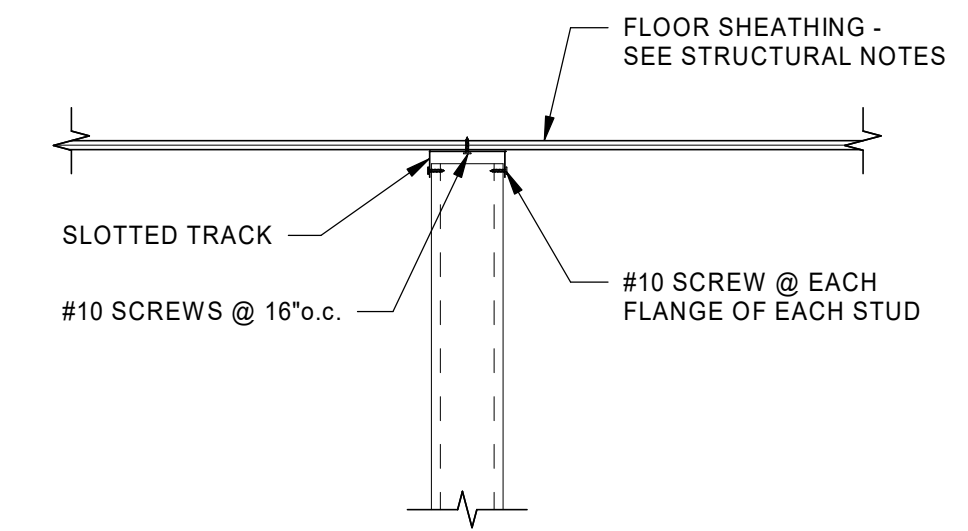
DETAIL
SCALE: NONE



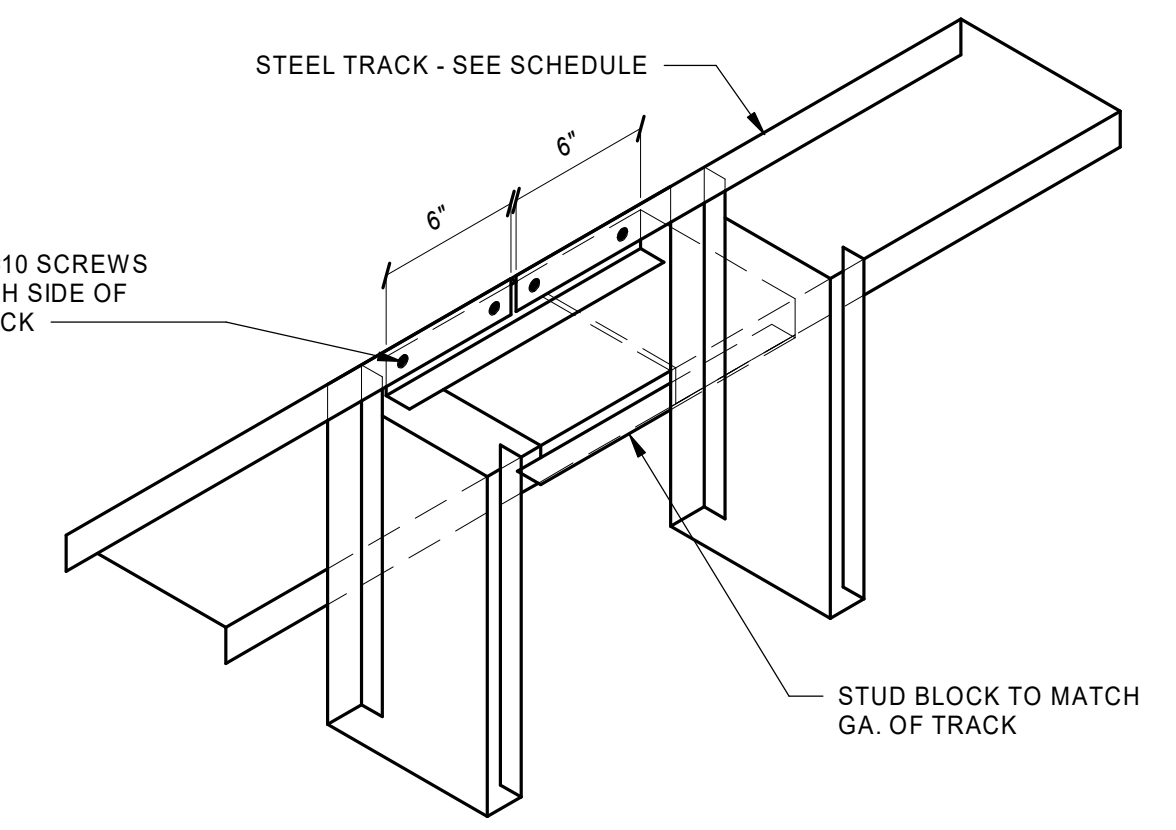
TYP. BOX HEADER CONNECTION
SCALE: NONE



HEAD TRACK CONNECTION @ DOOR OPENINGS
SCALE: NONE



TYP. STEEL STUD BRACE DETAIL
SCALE: NONE



TYP. TRACK SPLICE DETAIL
SCALE: NONE



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| Designed by: | NGW | Submitted: | 05 FEB 2024 | REV: | 0 |
| Drawn by: | JCP | File: | | | |
| Reviewed by: | DOC | Scale: | As indicated | | |
| Submitted by: | Approver | Project Number: | 23049 | | |

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SHEET NUMBER
S230



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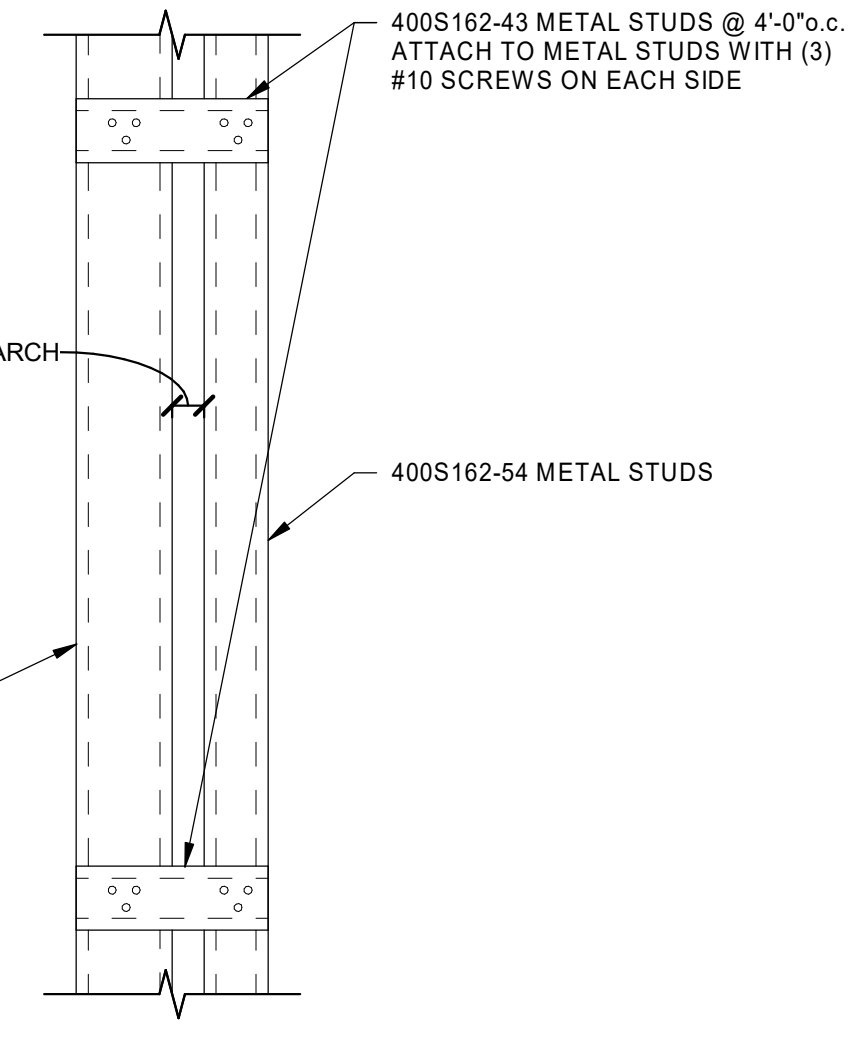
RCH Valley
 Real Color Holdings, LLC
 875 Valley St
 Colorado Springs, CO
 80915

DETAILS

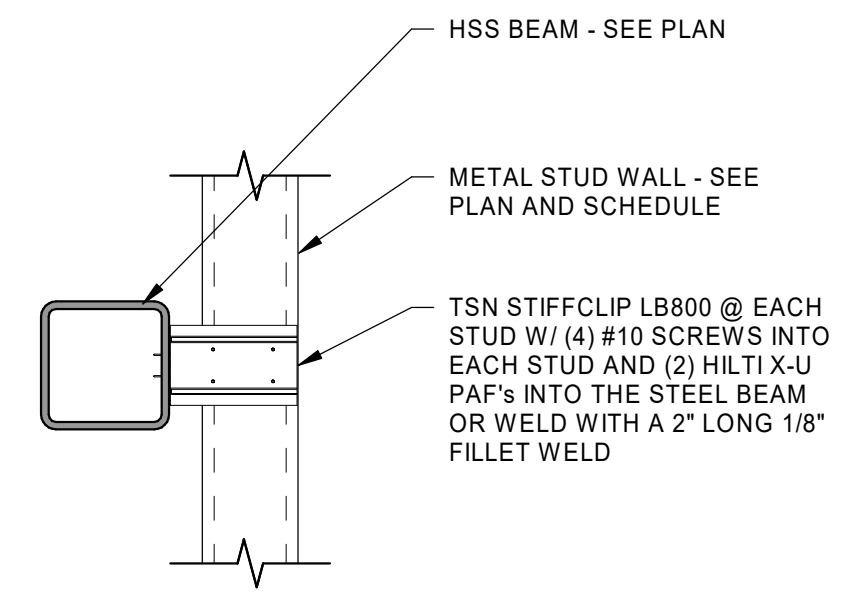
SHEET NUMBER
S231

| Rev. | Description | Date | Appr. |
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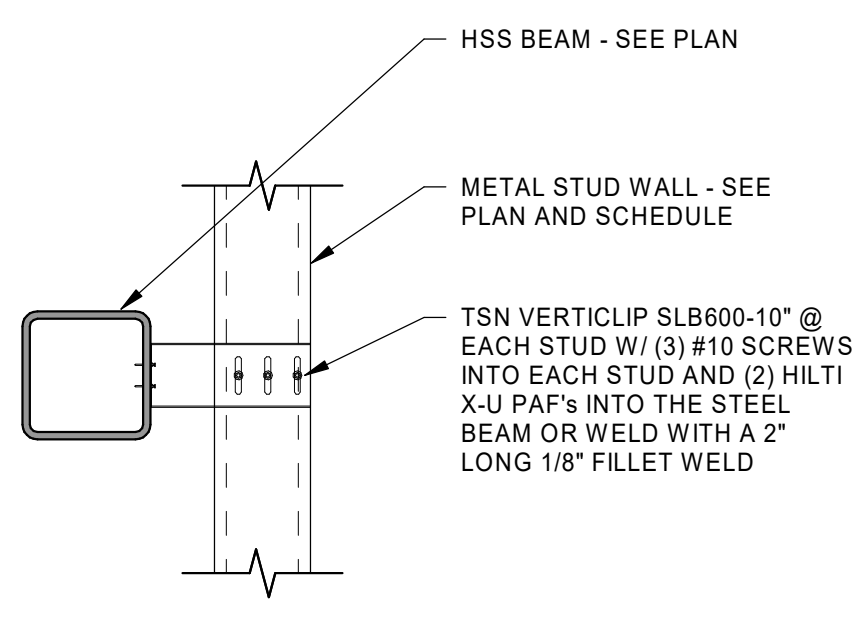
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| Designed by: | Submitted: | REV: |
| Designer | 05 FEB 2024 | |
| Drawn by: | File: | |
| Author | | |
| Reviewed by: | Scale: | |
| Checker | 1" = 1'-0" | |
| Submitted by: | Project Number: | |
| Approver | 23049 | |



DETAIL 3
 SCALE: NONE
 S231

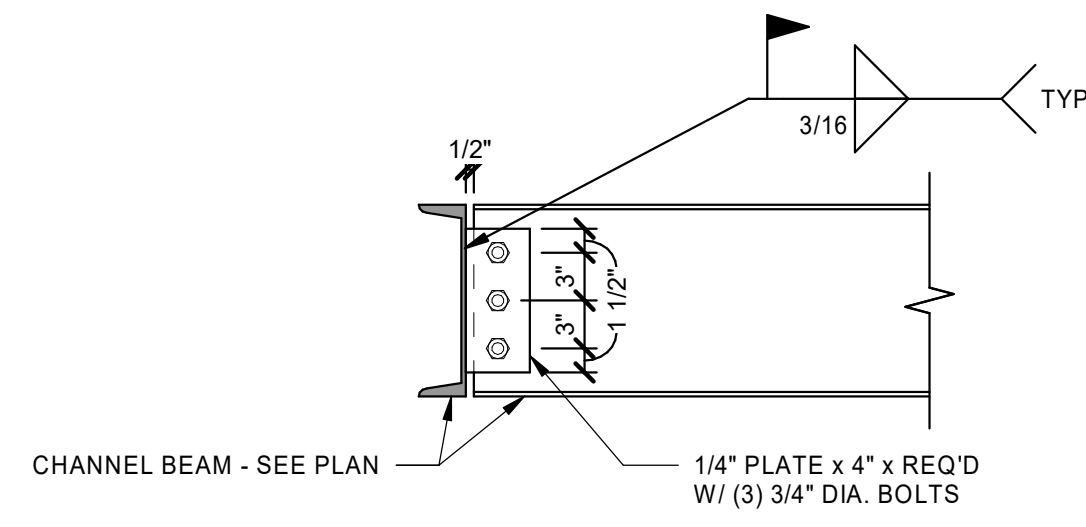


DETAIL 2
 SCALE: NONE
 S231



DETAIL 1
 SCALE: NONE
 S231

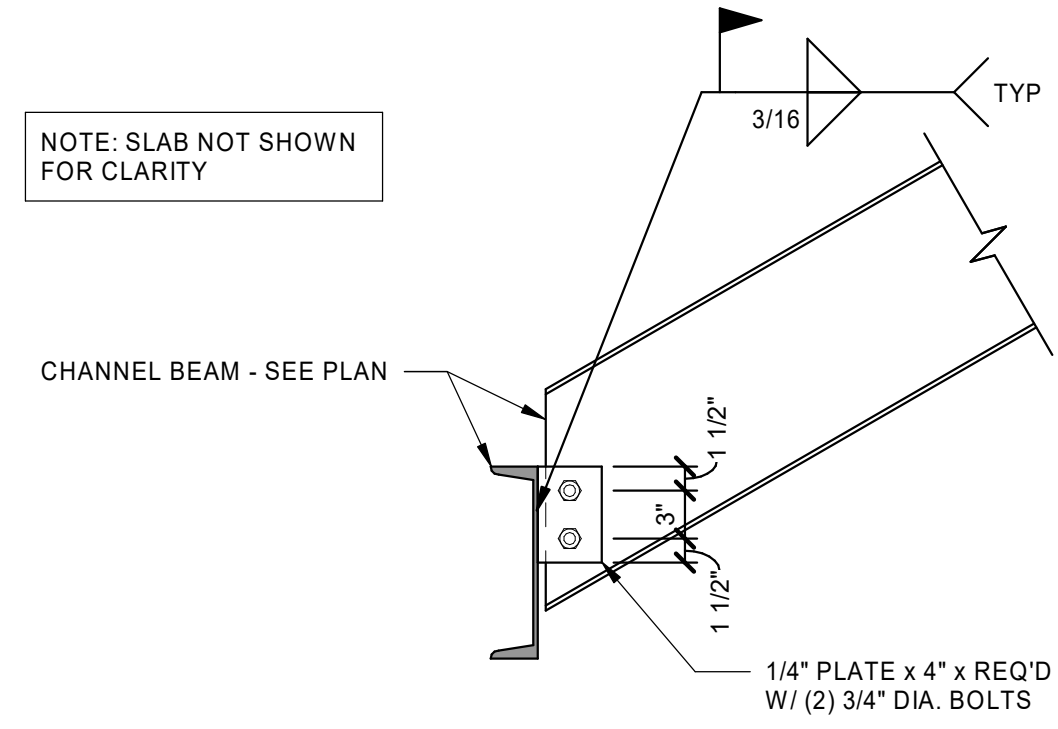
NOTE: SLAB NOT SHOWN FOR CLARITY



DETAIL
SCALE: NONE

1
S240

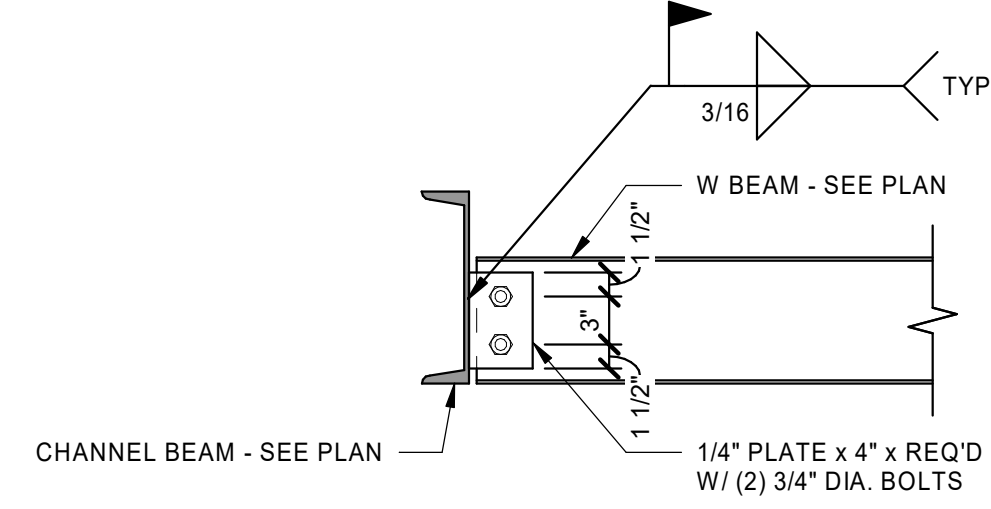
NOTE: SLAB NOT SHOWN FOR CLARITY



DETAIL
SCALE: NONE

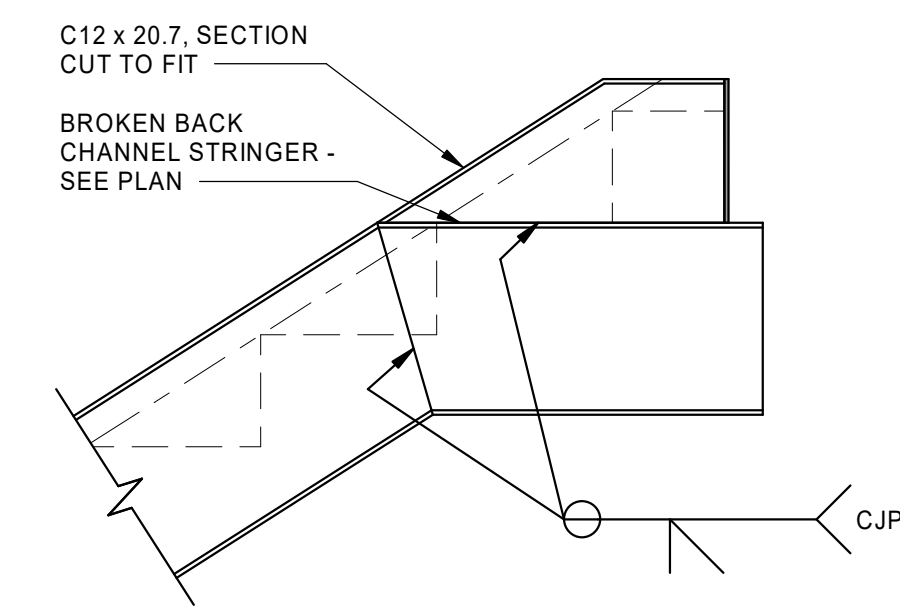
2
S240

NOTE: SLAB NOT SHOWN FOR CLARITY



DETAIL
SCALE: NONE

3
S240



TYP. STRINGER TOP CONNECTION
SCALE: NONE

4
S240



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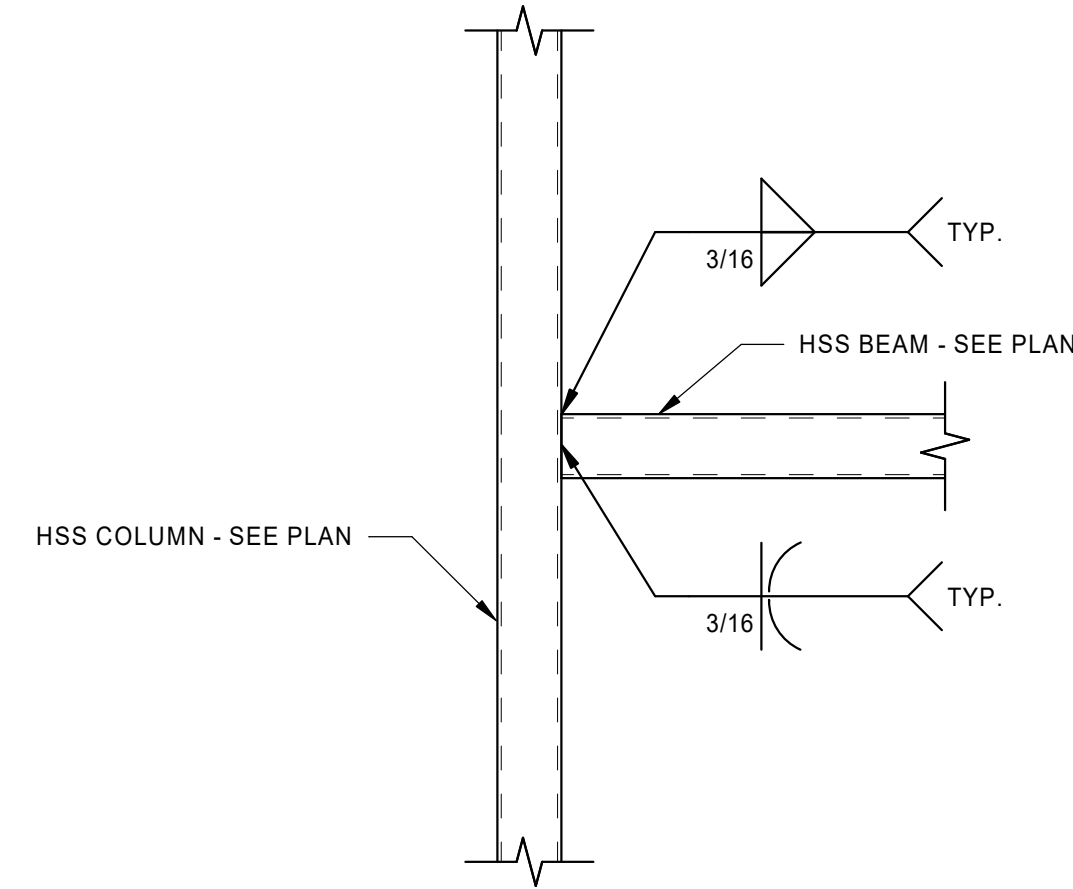
| Rev. | Description | Date | Appr. |
|------|-------------|------------|-------|
| 0 | PERMIT SET | 05/29/2023 | |

| | | |
|---------------|-----------------|------|
| Designed by: | Submitted: | REV: |
| NGW | 05 FEB 2024 | 0 |
| Drawn by: | File: | |
| JCP | | |
| Reviewed by: | Scale: | |
| DOC | 1" = 1'-0" | |
| Submitted by: | Project Number: | |
| Approver | 23049 | |

RCH Valley
Real Color Holdings, LLC
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Colorado Springs, CO
80915

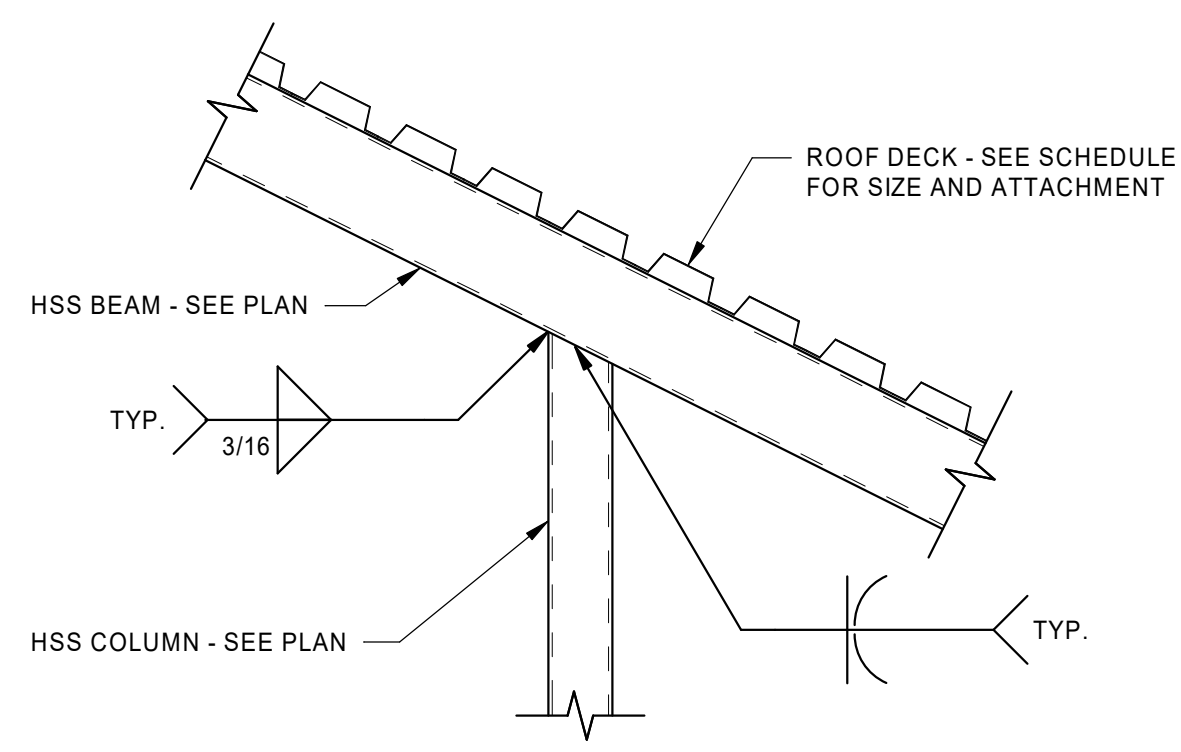
STAIR DETAILS

SHEET NUMBER
S240



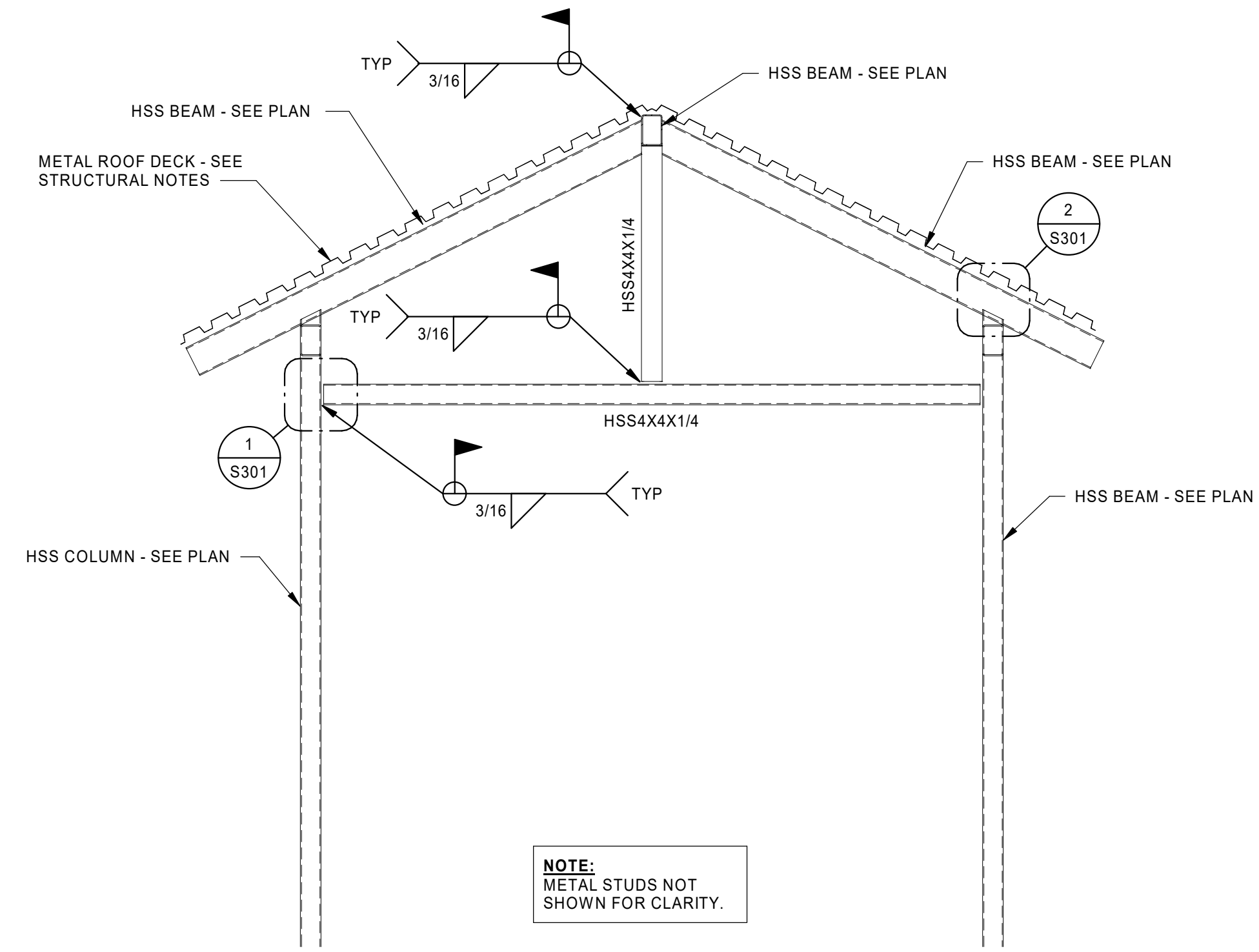
DETAIL
SCALE: NONE

1
S301



DETAIL
SCALE: NONE

2
S301



NOTE:
METAL STUDS NOT
SHOWN FOR CLARITY.

ELEVATION
SCALE: 1/2" = 1'-0"

A
S301



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| 0 | PERMIT SET | 05/29/2023 | |

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| Designed by: | Submitted: | REV: |
| NGW | 05 FEB 2024 | 0 |
| Drawn by: | File: | |
| JCP | | |
| Reviewed by: | Scale: | |
| DOC | As indicated | |
| Submitted by: | Project Number: | |
| Approver | 23049 | |

RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

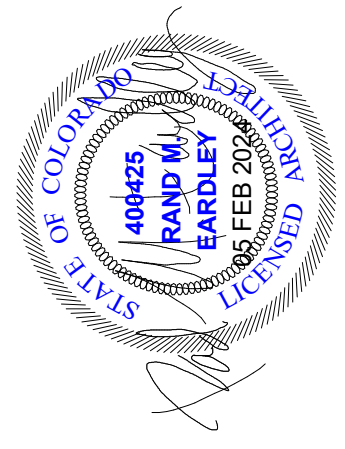
ELEVATION

SHEET NUMBER
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RCH VALLEY

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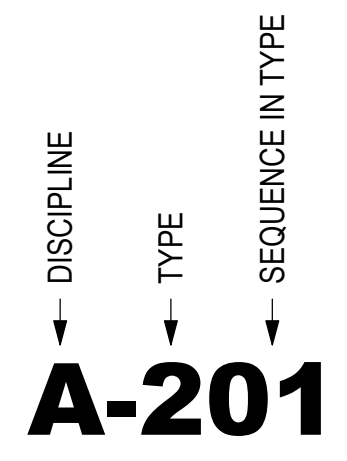


SOUTHWEST PERSPECTIVE

DEFERRED SUBMITTALS
 FIRE SUPPRESSION SYSTEM

APPLICABLE CODES:
 2017 REGIONAL BUILDING CODE
 BUILDING - 2015 IBC
 MECHANICAL - 2015 IMC
 PLUMBING - 2018 IPC
 ELECTRICAL - 2020 NEC
 ENERGY CODE - 2015 IECC

SHEET NUMBER KEY



SHEET INDEX

| Sheet Number | Description |
|--------------------|--|
| GENERAL | |
| G-001 | COVER SHEET |
| G-002 | GENERAL NOTES, SITE LOCATION, SYMBOLS, ABBREVIATIONS |
| LIFE SAFETY | |
| LP101 | FIRST FLOOR LIFE SAFETY PLAN |
| CIVIL | |
| C-1 | RCH VALLEY SITE/DEMOLITION PLAN |
| C-2 | UTILITY & GRADING PLAN |
| DT-1 | DETAILS |
| DT-2 | DETAILS |
| STRUCTURAL | |
| S001 | STRUCTURAL NOTES |
| S002 | STRUCTURAL NOTES |
| S010 | SCHEDULES |
| S011 | SCHEDULES |
| S012 | SCHEDULES |
| S013 | SCHEDULES |
| S101 | FOOTING AND FOUNDATION PLAN |
| S102 | FLOOR FRAMING PLAN |
| S103 | ROOF FRAMING PLAN |
| S201 | TYPICAL DETAILS |
| S210 | FRAMING DETAILS |
| S220 | METAL STUD DETAILS |
| S230 | METAL STUD DETAILS |
| S240 | STAIR DETAILS |
| S301 | ELEVATION |

SHEET INDEX

| Sheet Number | Description |
|----------------------|--|
| ARCHITECTURAL | |
| AD101 | FIRST FLOOR DEMOLITION PLAN |
| AD102 | SECOND FLOOR DEMOLITION PLAN |
| A-101 | FIRST FLOOR PLAN |
| A-102 | SECOND FLOOR PLAN |
| A-103 | ROOF PLAN |
| A-201 | EXTERIOR ELEVATIONS |
| A-202 | EXTERIOR ELEVATIONS |
| A-301 | BUILDING SECTIONS |
| A-302 | EXTERIOR WALL SECTIONS |
| A-303 | EXTERIOR WALL SECTIONS |
| A-304 | INTERIOR WALL SECTIONS |
| A-401 | ENLARGED PLANS AND INTERIOR ELEVATIONS |
| A-402 | ENLARGED PLANS AND INTERIOR ELEVATIONS |
| A-501 | ARCHITECTURAL DETAILS |
| A-601 | SCHEDULES |
| A-701 | FIRST FLOOR REFLECTED CEILING PLAN |
| A-702 | SECOND FLOOR REFLECTED CEILING PLAN |
| MECHANICAL | |
| ME001 | MECHANICAL COVER SHEET |
| ME501 | MECHANICAL DETAILS |
| ME601 | MECHANICAL SCHEDULES |
| MD101 | LEVEL 1 MECHANICAL DEMO PLAN |
| MD102 | LEVEL 2 MECHANICAL DEMO PLAN |
| MH101 | LEVEL 1 MECHANICAL PLAN |
| MH102 | LEVEL 2 MECHANICAL PLAN |
| MZ101 | LEVEL 1 MECHANICAL ZONING PLAN |
| MZ102 | LEVEL 2 MECHANICAL ZONING PLAN |

SHEET INDEX

| Sheet Number | Description |
|--------------------------------|---------------------------------|
| PLUMBING | |
| PE001 | PLUMBING COVER SHEET |
| PE501 | PLUMBING DETAILS |
| PE502 | PLUMBING DETAILS |
| PE601 | PLUMBING SCHEDULES |
| PD101 | LEVEL 1 PLUMBING DEMO PLAN |
| PD102 | LEVEL 2 PLUMBING DEMO PLAN |
| PL101 | LEVEL 1 PLUMBING PLAN -DWV |
| PL102 | LEVEL 2 PLUMBING PLAN -DWV |
| PL103 | ROOF PLUMBING PLAN - DWV |
| PL104 | LEVEL 1 PLUMBING PLAN - WATER |
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| ELECTRICAL | |
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| E100 | SITE SYMBOLS AND NOTES |
| E102 | TYPICAL DETAILS |
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| E311 | FIRST FLOOR POWER PLAN |
| E312 | SECOND FLOOR POWER PLAN |
| E370 | POWER SCHEDULES |
| E380 | ONE-LINE DIAGRAM |
| E411 | FIRST FLOOR SYSTEMS PLAN |
| E412 | SECOND FLOOR SYSTEMS PLAN |
| ED100 | FIRST FLOOR DEMOLITION PLAN |
| ED101 | SECOND FLOOR DEMOLITION PLAN |
| E211 | FIRST FLOOR LIGHTING PLAN |
| E212 | SECOND FLOOR LIGHTING PLAN |
| E280 | LIGHTING ELEVATION |
| AUDIO VISUAL / SECURITY | |
| T002 | LOW-VOLTAGE SYMBOLS AND NOTES |
| T200 | AUDIOVISUAL SYMBOLS AND NOTES |
| T270 | AUDIOVISUAL SCHEDULES |
| T500 | DATA NETWORKS SYMBOLS AND NOTES |
| T570 | DATA NETWORKS SYMBOLS AND NOTES |
| T600 | SECURITY SYMBOLS AND NOTES |
| T670 | SECURITY SCHEDULES |

| REV. | Submitted: | File: | Scale: | Project Number: |
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Colorado Springs, CO
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COVER SHEET

SHEET NUMBER
G-001

ABBREVIATIONS/ACRONYMS

| | | | | | |
|----------|--|----------|-------------------------------|--------|----------------------------------|
| A.B. | anchor bolt | fc | concrete 28 day strength | MIN | minimum |
| A/C | air conditioning | fm | masonry strength | MISC | miscellaneous |
| ABV | above | FD | floor drain | MLB | microllam beam |
| ADA | americans with disabilities act | FDN | foundation | MMB | membrane |
| ADD'L | additional | FE | fire extinguisher | MO | masonry opening |
| AFF | above finished floor | FEC | fire extinguisher cabinet | MTL | metal |
| ALT | alternate | FGL | fiberglass | MULL | mullion |
| ALUM | aluminum | FHS | fire hose station | N | north |
| ANOD | anodized | FIN | finish(ed) | NIC | not in contract |
| ANSI | american national standards institute | FIN. FLR | finished floor elevation | No. | number |
| APPR | approved | FP | fireplace | NOM | nominal |
| APPROX | approximate | FRT | fire-retardant treated | NTS | not to scale |
| ARCH | architect(ural) | FS | footing step | O.C. | on center |
| ASPH | asphalt | FT | feet | OD | outside diameter |
| AUTO | automatic | FTG | footing | OH | overhead |
| BD | board | GA | gage, gauge | OPG | opening |
| BLDG | building | GALV | galvanized | OPP | opposite |
| BLK | block | GB | grab bar | OPT | optimum |
| BO | bottom of _____ | GD | grade(ing) | PBD | particle board |
| BRG | bearing | GF | government furnished | PCB | polychlorinated biphenyls |
| BSMT | basement | GI | government installed | PL | plate |
| BTWN | between | GL | glass | PNL | panel |
| CF | cubic foot | GLB | glue laminated timber beam | PSI | pounds per square inch |
| CG | center of gravity | GYP. BD. | gypsum wall board | PSIG | pounds per square inch gauge |
| CI | cast iron | HAS | headed anchor stud | PT | pressure treated or post tension |
| CJ | construction joint | HB | hose bib | PTD | painted |
| CL | center line or column line | HC | hollow core | PTN | partition |
| CLG | ceiling | HCAP | handicap | QTY | quantity |
| CLR | clear(ance), category of logistical responsibility | HD | hollow down | R | riser(s), radius |
| CMU | concrete masonry unit | HDR | header | RAD | radius |
| COL | column | HDWR | hardware | REA | Rand Eardley & Associates |
| CONC | concrete | HM | hollow metal | REINFD | reinforced |
| CONST | construction | HOR | horizontal | REQ'D | required |
| CONT | continuous, continue | HR | hour | REV | revised |
| CPT | carpet | HRDWD | hardwood | RM | room |
| CRS | course(s) | HT | height | RO | rough opening |
| CSMT | casement | HTG | heating | S | south |
| CY | cubic yard | HVAC | heating/ventilating/air cond. | S.S. | stainless steel |
| DE | door elevation | HWH | hot water heater | SCHED | schedule(ed) |
| DET | detail | ID | inside diameter | SECT | section |
| DF | drinking fountain | INCL | include(d), (ing) | SF | square feet |
| DF-L | douglas fir | INSUL | insulate(d), (ion) | SHT | sheet |
| DIA | diameter | INT | interior | SIM | similar |
| DIM | dimension | JSN | joint schedule number | SPEC | specifications |
| DIV | division | JT | joint | SQ | square |
| DL | dead load | LAM | laminated veneer lumber | STD | standard |
| DOD | department of defense | LAV | lavatory | STG | storage |
| DPR | dispenser | LF | linear feet | STRUC | structure(al) |
| DR | door | LH | left hand | SW | shear wall |
| DWB | deformed weldable bar | LL | live load | T | tread(s) |
| DWG | drawing | LP | low pressure | T.O. | top of _____ |
| E | east | LTL | lintel | TC | top of curb |
| EA | each | LVL | laminated veneer lumber | TYP | typical |
| EJ | expansion joint | LW | lightweight | UL | underwriters laboratories |
| ELEC | electrical | MAS | masonry | UNO | unless noted otherwise |
| ELEV, EL | elevation | MAT'L | material(s) | VB | vapor barrier |
| EMT | electrical metallic tubing | MAX | maximum | VCT | vinyl composition tile |
| EN | edge nail | MB | machine bolt | VERT | vertical |
| EQ | equal | MBR | member | W | west |
| EQUIP | equipment | MC | medicine cabinet | W | with |
| EST | estimate | MECH | mechanic(al) | W/O | without |
| EX | existing | MED | medium | WC | water closet |
| EXP | expansion | MFR | manufacture(r) | WD | wood |
| EXT | extinguisher | | | WF | wide flange |
| | | | | WP | water proof(ing) |
| | | | | WR | water repellent |
| | | | | WS | wall step |
| | | | | WSCT | wainscot |
| | | | | WWF | welded wire fabric |

STANDARD SYMBOLS

| | |
|-----------------------------|--|
| ROOM DESIGNATION | |
| DOOR DESIGNATION | |
| WINDOW DESIGNATION | |
| ELEVATION, (VIEW) | |
| ELEVATION, (DATUM) | |
| NORTH ARROW | |
| DETAIL | |
| DRAWING TITLE | |
| REVISION DESIGNATION | |
| GRID HEAD | |

LINE TYPES

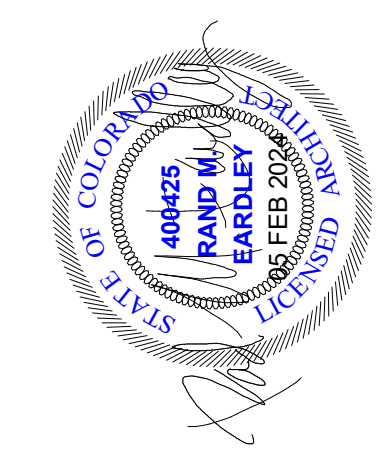
| | |
|-----------------|--|
| MATCH | |
| PROPERTY | |
| GRID | |
| HIDDEN | |
| REMOVAL | |
| OVERHEAD | |

ARCHITECTURAL MATERIALS

| | |
|------------------------------------|--|
| STEEL STUD | |
| GYPSUM BOARD CEILING / WALL | |
| LAY-IN ACOUSTICAL CEILING | |
| CONCRETE | |
| PLYWOOD (SECTION) | |
| MASONRY WALL | |

GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE (2015 EDITION) AND ALL LOCAL CODES, INCLUDING ANY AND ALL COVENANTS, RULES AND REGULATIONS ADOPTED BY THE PIKES PEAK REGIONAL BUILDING DEPARTMENT.
- COORDINATION OF WORK: THE GENERAL CONTRACTOR SHALL COMPARE ARCHITECTURAL SPECIFICATIONS AND DRAWINGS WITH MECHANICAL AND ELECTRICAL SPECIFICATIONS AND DRAWINGS. IF THERE ARE ANY DISCREPANCIES BETWEEN THEM, HE SHALL REPORT THE SAME TO THE ARCHITECT IN WRITING AND OBTAIN FROM THE ARCHITECT WRITTEN INSTRUCTIONS FOR NECESSARY CHANGES.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON THE DRAWINGS AND DIMENSIONS AND CONDITIONS AT THE SITE.
- ALL MATERIALS SHALL BE NEW (U.N.O.) AND BOTH MATERIALS AND WORKMANSHIP SHALL BE OF BEST QUALITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY, SECURITY AND PROTECTION IN AND AROUND THE JOB SITE AND ADJACENT PROPERTIES (IF APPLICABLE).
- ALL DETAILS AND NOTES ON DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSE WHERE UNLESS NOTED OR SHOWN OTHERWISE. CONSTRUCTION NOT SPECIFICALLY SHOWN, SHALL BE ACCOMPLISHED AS PER MINIMUM REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (2015 EDITION).
- THE CONTRACTOR SHALL REVIEW, APPROVE AND VERIFY ALL SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS TO ASSURE THEY COMPLY WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. SHOP DRAWINGS, PRODUCT DATA, SAMPLES, AND SIMILAR SUBMITTALS SUBMITTED TO THE ARCHITECT WHICH HAVE NOT BEEN REVIEWED, APPROVED, VERIFIED, STAMPED AND SIGNED BY THE GENERAL CONTRACTOR WILL BE RETURNED TO THE GENERAL CONTRACTOR WITHOUT ACTION BY THE ARCHITECT. THE ARCHITECT WILL REVIEW THE SHOP DRAWINGS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT. THIS REVIEW BY THE ARCHITECT SHALL NOT BE CONSTRUED AS APPROVAL. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS AND OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT'S REVIEW.



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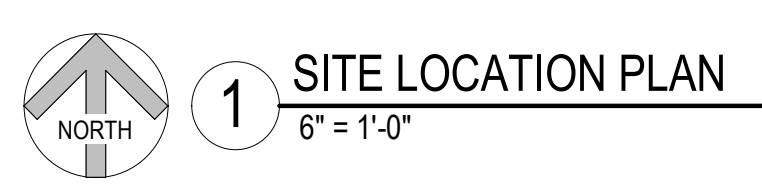
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| Designed by: RME | Submitted by: 05 FEB 2024 | File: | REV: |
| Drawn by: WAR | Reviewed by: JTP | Scale: As indicated | Project Number: |
| Submitted by: | | | |

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875 Valley St
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80915

GENERAL NOTES, SITE LOCATION, SYMBOLS, ABBREVIATIONS

SHEET NUMBER
G-002



KEYED NOTES

- 21.02 SURFACE MOUNTED FIRE EXTINGUISHER CABINET WITH 10lb TYPE A-B-C EXTINGUISHER
- 21.03 RECESSED FIRE EXTINGUISHER CABINET WITH 10lb TYPE A-B-C EXTINGUISHER
- 21.04 EXISTING FIRE RISER TO REMAIN

NOTE:
THE SPRINKLER HEADS FOR THE FIRE SUPPRESSION SYSTEM ARE NOT SHOWN AS THEY ARE TO BE PROVIDED AS A DEFERRED SUBMITTAL.

BUILDING CODE ANALYSIS

RCH Valley Remodel
IBC 2015

Occupancy Classifications:
B Business - International Building Code (IBC 304.1)
F-2 Low-Hazard Factory Industrial - International Building Code (IBC 306.3)

Non-Separated Occupancies: (IBC 508.2.4)

Type of Construction: V-B

Allowable Area Calculations
Base allowable area per story (IBC Table 506.2): B 27,000 s.f. F-2 39,000 s.f.

| Actual Areas | B | F-2 |
|----------------------|------------|------------|
| First Floor Area: | 2,556 s.f. | 3,504 s.f. |
| Second Floor Area: | 2,580 s.f. | 3,504 s.f. |
| Total Building Area: | 5,136 s.f. | 3,504 s.f. |

$5,136 / 27,000 + 3,504 / 39,000 = 0.19 + 0.09 = 0.28 < 1$ **OK**

Building Height
Allowable (IBC Tables 504.3 / 504.4): B 60 feet / 3 stories F-2 60 feet / 3 stories
Actual Building Height: 27 ft 2 in / 2 stories 27 ft 2 in / 1 stories **OK**

Type of Construction - V-B (IBC 602.5)
Required Fire-Resistive Rating for Building Elements (Hours) - (IBC Table 601)

| Structural Frame | Bearing Walls | Non-bearing walls | Floor Construction | Roof Construction |
|------------------|--|-------------------|--------------------|-------------------|
| 0 | 0 (fire separation distance on all sides > 30', IBC Table 602) | 0 | 0 | 0 |
| Exterior | 0 | Exterior | 0 | 0 |
| Interior | 0 | Interior | 0 | 0 |

Occupant Load Calculations (IBC Table 1004.1.2) - First & Second Floor
Assembly without fixed seats: 222 gross sq. ft. / 15 sq. ft. per occupant = 15 occupants TOTAL
Business: 4,914 gross sq. ft. / 100 sq. ft. per occupant = 50 occupants TOTAL
Industrial: 3,504 gross sq. ft. / 100 sq. ft. per occupant = 36 occupants TOTAL
TOTAL = 101 occupants TOTAL

The building is equipped throughout with an automatic fire suppression system meeting the requirements of IBC 903.3.1.1.

Two exit (minimum) are required from the first floor (IBC 1007.1):
 • The building is equipped with **four exits** **OK**

The minimum separation distance between exits shall be not less than one-third of the maximum overall diagonal dimension of the building (IBC 1007.1.1)
 • First Floor = $133' / 3 = 45'$ Actual separation = **108 feet > 45 feet** **OK**

The maximum allowable travel distance to an exit on the first floor is 300 feet (IBC Table 1017.2).
 The maximum allowable travel distance to the exit on the second floor is 100 feet (IBC Table 1006.2.1).
 The maximum actual exit access travel distance in the building is **99 feet 9 inches < 100 feet** **OK**
 The maximum allowable common path of egress is 100 feet for B occupancy and 75 feet for F occupancy (IBC Table 1006.2.1).
 The maximum actual common path of egress is **26 feet 0 inches** on the first floor. The second floor does not require a common path of egress as it only requires one exit. 26 feet < 75/100 **OK**

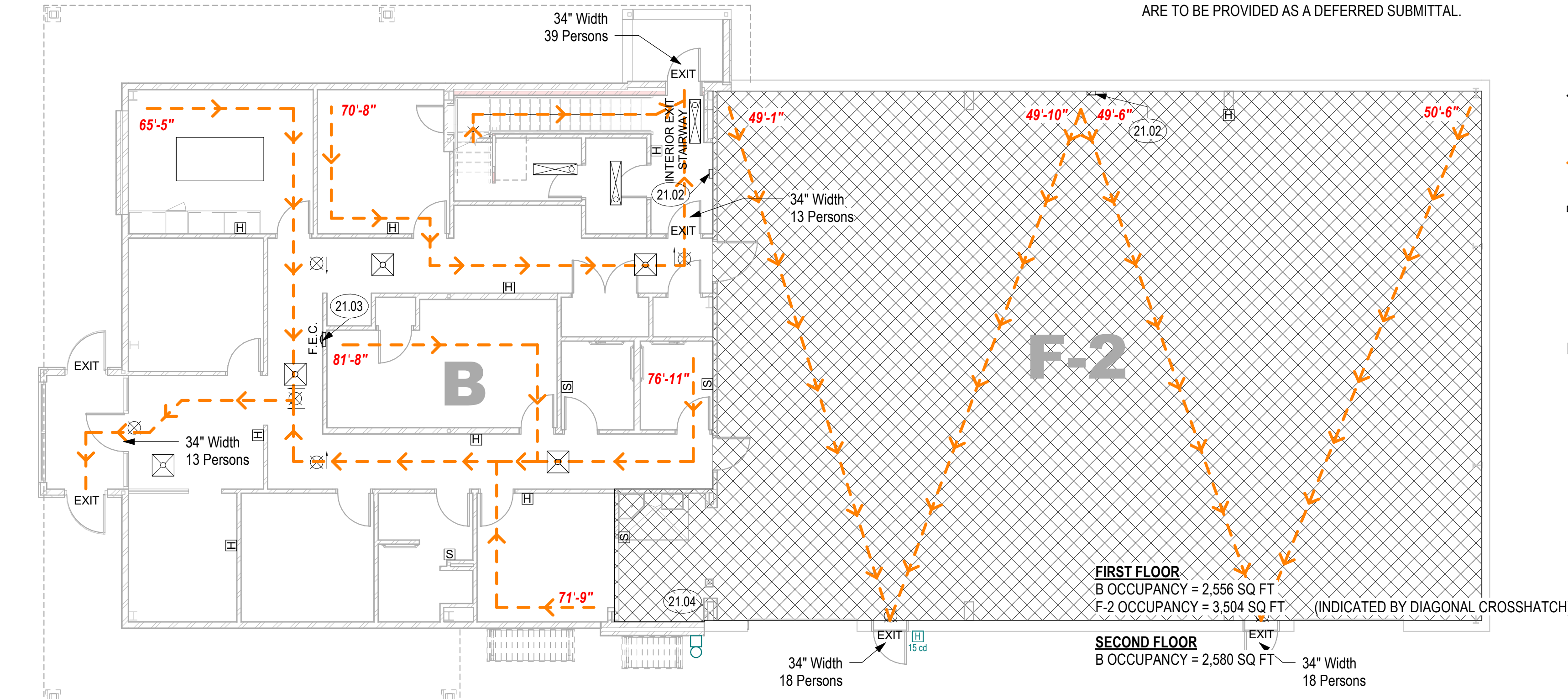
Exit access corridors are not required to be separated from use areas (IBC Table 1020.1).

(IBC Table 2902.1)

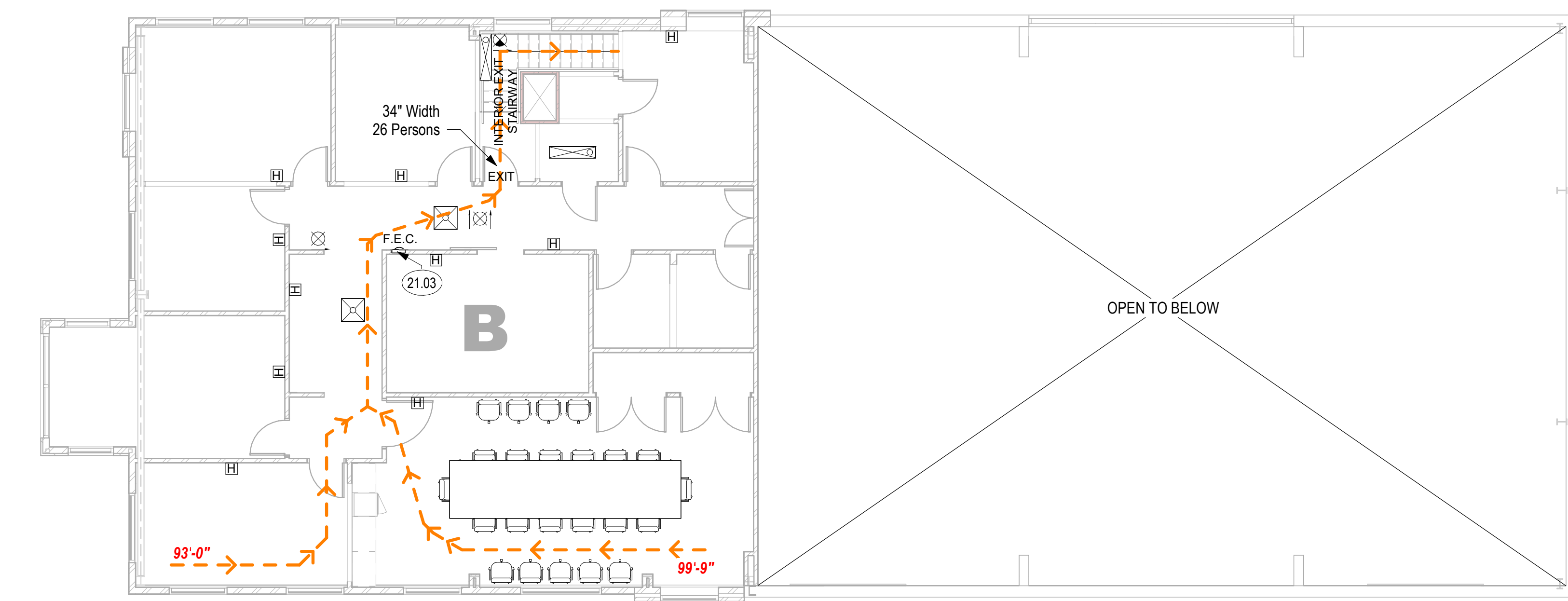
| Plumbing Fixtures | Bus. | Ind. | Total | Actual | OK |
|--------------------|------|------|-------|--------|-----------|
| Toilets* | 3 | 1 | 4 | 5 | OK |
| Lavatories | 3 | 1 | 4 | 5 | OK |
| Drinking Fountains | 1 | 1 | 1 | 3 | OK |
| Service Sink | 1 | 1 | 1 | 2 | OK |

LIFE SAFETY PLAN LEGEND

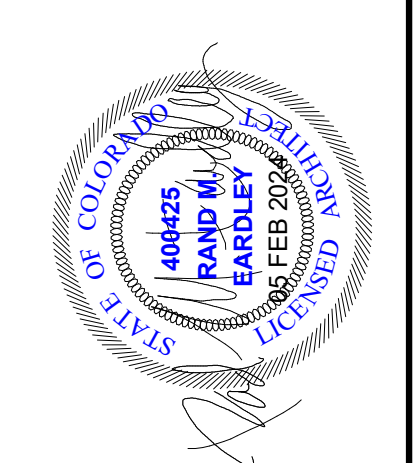
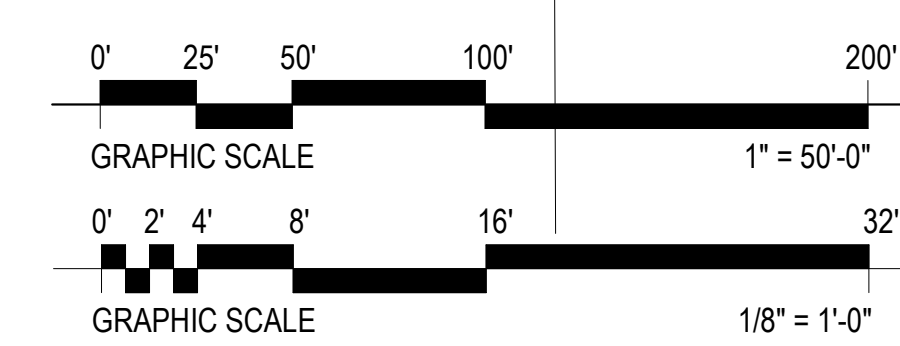
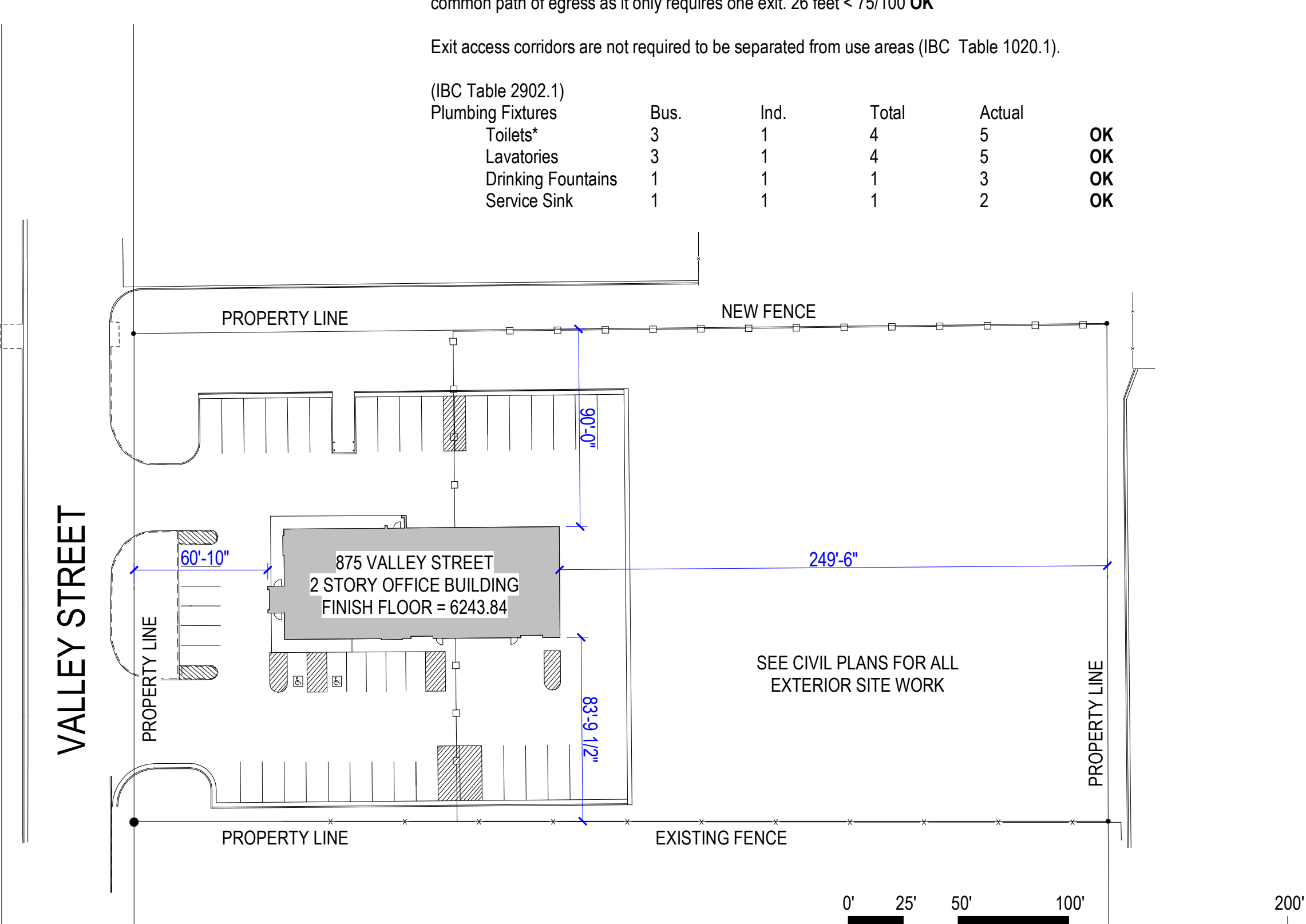
- EXIT SIGN
- LIFE SAFETY EGRESS PATH
- FIRE EXTINGUISHER CABINET
- FIRE ALARM, STROBE
- FIRE ALARM, HORN - STROBE
- FIRE ALARM PULL STATION
- STRIP EMERGENCY LIGHT FIXTURE
- 2' x 2' EMERGENCY LIGHT FIXTURE
- 1-HOUR FIRE RATED WALL



1 1ST FLOOR LIFE SAFETY PLAN
1/8" = 1'-0"



2 2ND FLOOR LIFE SAFETY PLAN
1/8" = 1'-0"



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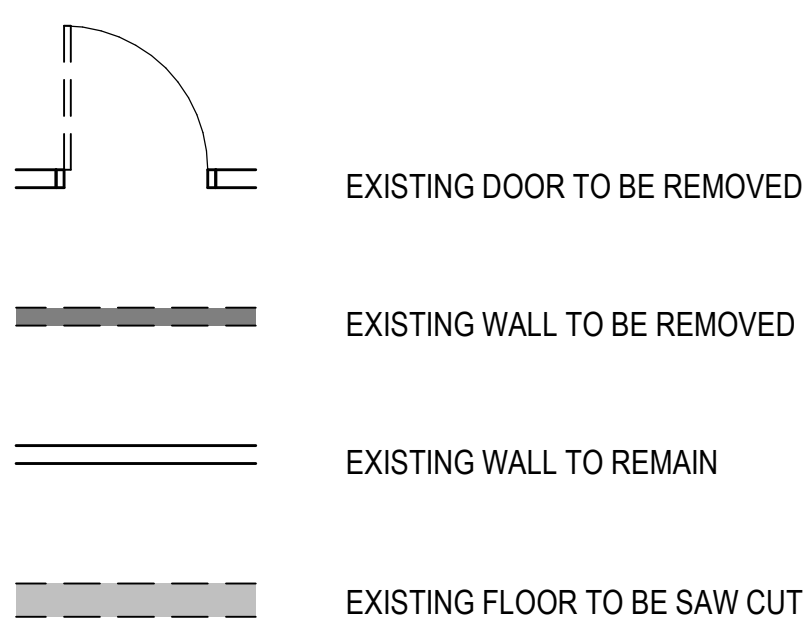
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FIRST FLOOR LIFE SAFETY PLAN

SHEET NUMBER
LP101

DEMOLITION LEGEND

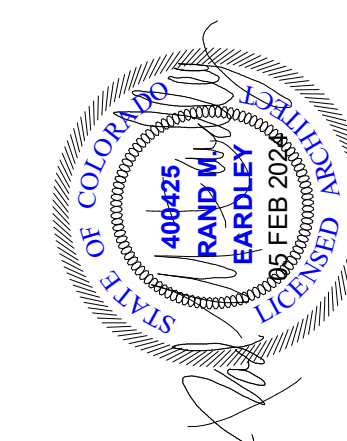


KEYED NOTES

- 02.02 EXISTING WALL TO REMAIN
- 02.03 EXISTING DOOR TO REMAIN
- 02.18 EXISTING COLUMN TO REMAIN
- 02.26 EXISTING COLUMNS TO REMAIN
- 02.50 REMOVE EXISTING WINDOW
- 02.51 REMOVE EXISTING COLUMN
- 02.52 REMOVE EXISTING STAIRS, RAILINGS, BALUSTERS AND POSTS
- 02.53 REMOVE EXISTING WALL SHOWN DASHED
- 02.68 REMOVE EXISTING DOOR, FRAME AND HARDWARE
- 02.91 SAW CUT AND REMOVE EXISTING CONCRETE/EXCAVATE FOR NEW PLUMBING LINES AND FOOTINGS, SHOWN SHADED, SEE PLUMBING AND STRUCTURAL DRAWINGS
- 21.04 EXISTING FIRE RISER TO REMAIN

DECONSTRUCTION PLAN GENERAL NOTES

1. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THOSE DOCUMENTED PRIOR TO COMMENCING DEMOLITION.
2. WHERE DEMOLITION OF PARTITION OCCURS ALL ITEMS IN AND ON PARTITION ARE TO BE REMOVED, UNLESS NOTED OTHERWISE. WALL MOUNTED EQUIPMENT THE FACILITY WISHES TO KEEP MUST BE REMOVED PRIOR TO DEMOLITION. ALL OTHER ITEMS ARE TO BE DISPOSED OF BY THE CONTRACTOR, UNLESS NOTED OTHERWISE.
3. SEE MECHANICAL, ELECTRICAL, AND/OR PLUMBING DRAWINGS WHEN DEMOLITION REQUIRES REMOVAL OR TERMINATION OF SUCH UTILITIES.
4. CONTRACTOR SHALL ABATE ALL ASBESTOS AND LEAD SHIELDING CONTAINING MATERIAL, LEAD BASE PAINT, AND PCB ITEMS PRIOR TO ALL OTHER DEMOLITION. REFER TO ABATEMENT SPECIFICATIONS FOR LOCATIONS OF HAZARDOUS CONTAINING MATERIALS.
5. PROTECT PREVIOUS CONSTRUCTION FROM DAMAGE.
6. DASHED LINES INDICATE ITEMS BEING DEMOLISHED. UNLESS NOTED OTHERWISE.



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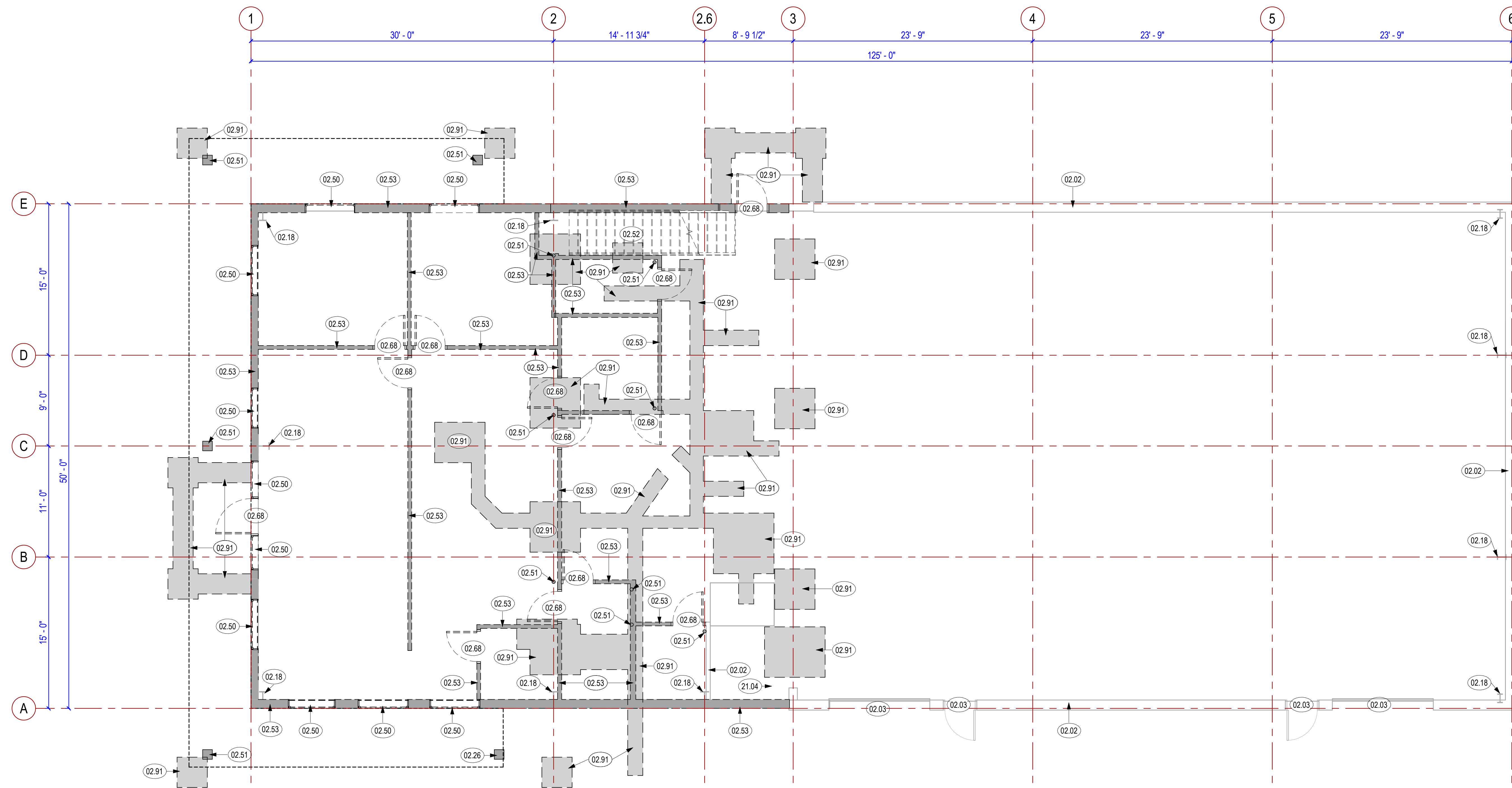
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 Reviewed by: JTP
 Submitted by: []

Submitted: 05 FEB 2024
 File: []
 Scale: As indicated
 Project Number: []

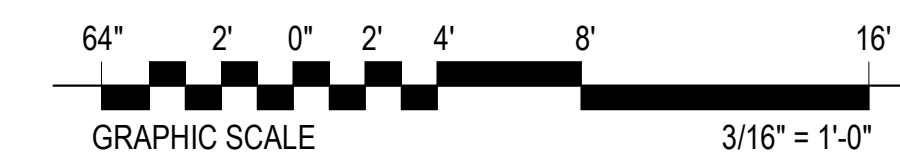
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80915

FIRST FLOOR DEMOLITION PLAN

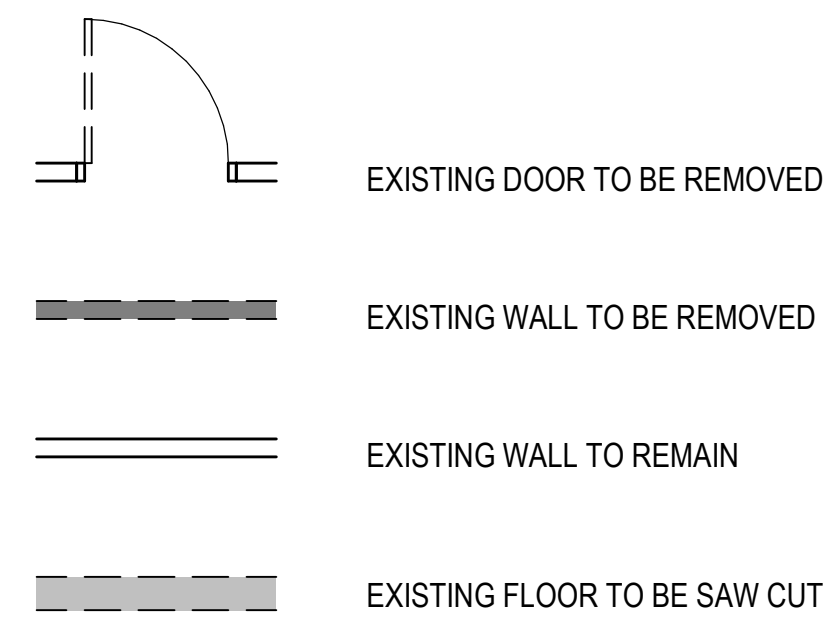
SHEET NUMBER
AD101



1 1ST FLOOR DEMOLITION PLAN
 3/16" = 1'-0"



DEMOLITION LEGEND

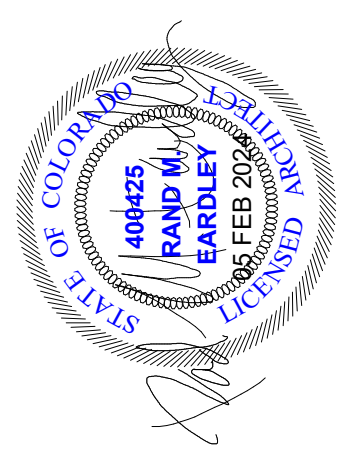


KEYED NOTES

- 02.02 EXISTING WALL TO REMAIN
- 02.11 EXISTING FLOOR AND FRAMING TO REMAIN
- 02.18 EXISTING COLUMN TO REMAIN
- 02.50 REMOVE EXISTING WINDOW
- 02.52 REMOVE EXISTING STAIRS, RAILINGS, BALUSTERS AND POSTS
- 02.53 REMOVE EXISTING WALL SHOWN DASHED
- 02.54 REMOVE EXISTING FLOOR AND FRAMING, SEE STRUCTURAL
- 02.56 REMOVE EXISTING GUTTERS AND DOWNSPOUTS
- 02.60 REMOVE EXISTING ROOF FRAMING
- 02.62 REMOVE EXISTING ROOFING AND MODIFY ROOF FRAMING, SEE STRUCTURAL
- 02.81 CUT OPENING IN EXISTING WALL FOR NEW WINDOW, SEE FLOOR PLAN AND WINDOW SCHEDULE FOR SIZE AND LOCATION, VERIFY LOCATION AND SIZE BEFORE DEMOLITION OCCURES

DECONSTRUCTION PLAN GENERAL NOTES

1. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THOSE DOCUMENTED PRIOR TO COMMENCING DEMOLITION.
2. WHERE DEMOLITION OF PARTITION OCCURS ALL ITEMS IN AND ON PARTITION ARE TO BE REMOVED, UNLESS NOTED OTHERWISE. WALL MOUNTED EQUIPMENT THE FACILITY WISHES TO KEEP MUST BE REMOVED PRIOR TO DEMOLITION. ALL OTHER ITEMS ARE TO BE DISPOSED OF BY THE CONTRACTOR, UNLESS NOTED OTHERWISE.
3. SEE MECHANICAL, ELECTRICAL, AND/OR PLUMBING DRAWINGS WHEN DEMOLITION REQUIRES REMOVAL OR TERMINATION OF SUCH UTILITIES.
4. CONTRACTOR SHALL ABATE ALL ASBESTOS AND LEAD SHIELDING CONTAINING MATERIAL, LEAD BASE PAINT, AND PCB ITEMS PRIOR TO ALL OTHER DEMOLITION. REFER TO ABATEMENT SPECIFICATIONS FOR LOCATIONS OF HAZARDOUS CONTAINING MATERIALS.
5. PROTECT PREVIOUS CONSTRUCTION FROM DAMAGE.
6. DASHED LINES INDICATE ITEMS BEING DEMOLISHED. UNLESS NOTED OTHERWISE.



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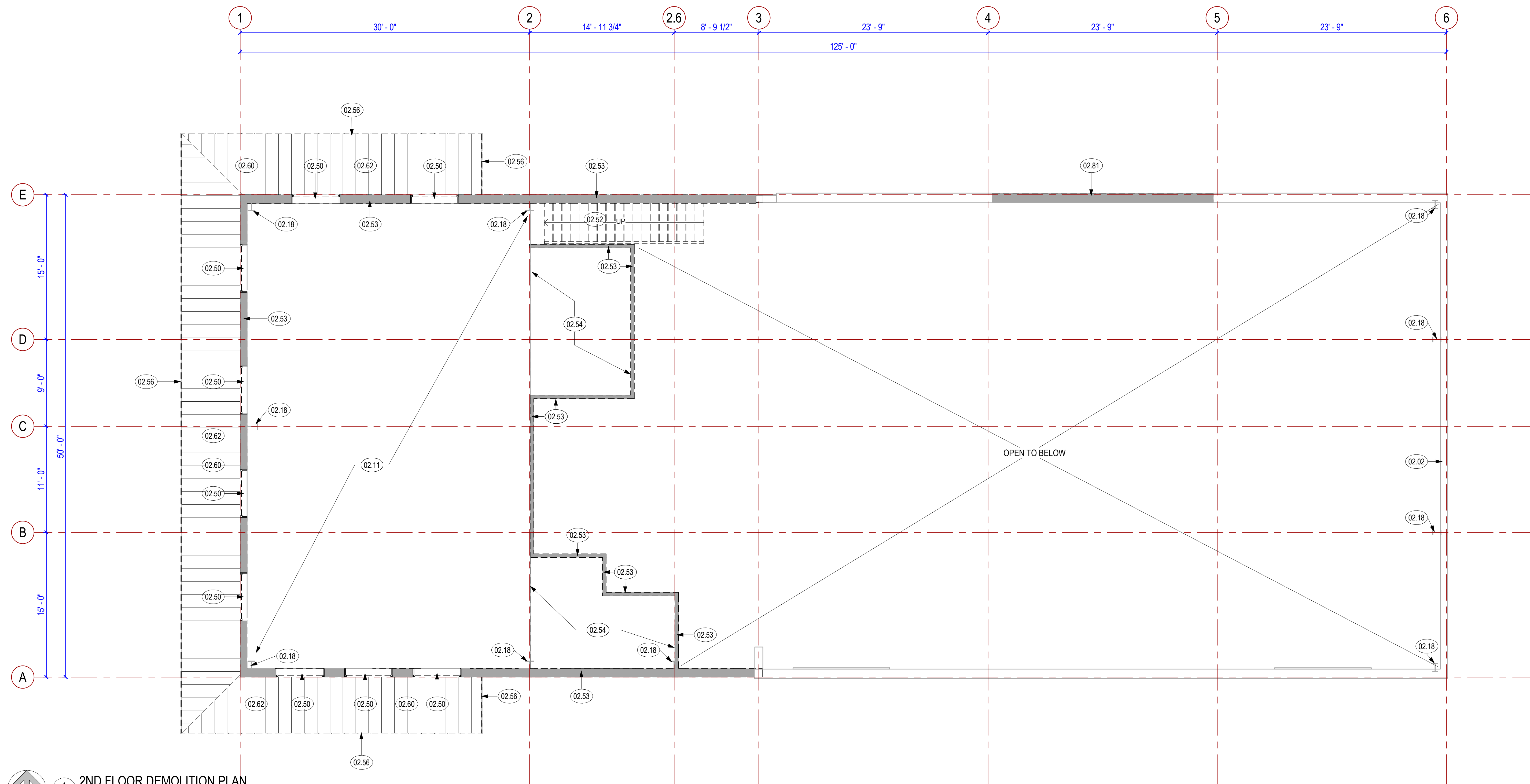
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| Drawn by: WAR | File: | |
| Reviewed by: JTP | Scale: As indicated | |
| Submitted by: | Project Number: | |

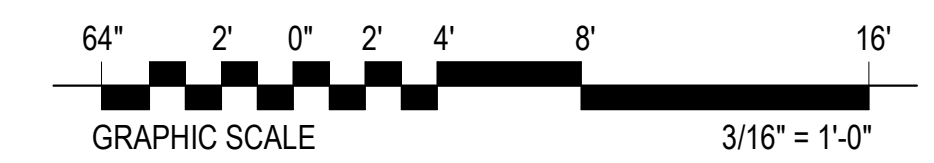
RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

SECOND FLOOR DEMOLITION PLAN

SHEET NUMBER
AD102



1 2ND FLOOR DEMOLITION PLAN
 3/16" = 1'-0"



KEYED NOTES

- 05.20 RISERS ARE REQUIRED TO BE COMPLETELY CLOSED AND MUST SEPARATE THE UNUSED ENCLOSED SPACE BELOW THE STAIR FROM THE INTERIOR EXIT STAIRWAY
- 22.12 MOP SINK, SEE PLUMBING DRAWINGS
- 22.14 UTILITY SINK WITH EYEWASH ATTACHMENT ON FAUCET, SEE PLUMBING DRAWINGS
- 32.03 FENCE, SEE CIVIL DRAWINGS

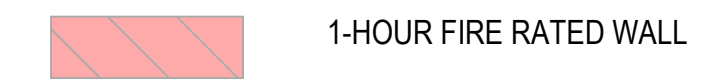
KEYED NOTES

- 01.08 ALIGN FINISH FACE WITH EXISTING FINISH FACE
- 05.10 HANDRAIL SIZE TO BE 1 1/4" TO 2 5/8". HANDRAILS SHALL TERMINATE TO WALLS OR NEWEL POSTS. MAX 4" SPACING BETWEEN BALUSTERS. HANDRAIL IS TO BE PLACED 34" TO 38" ABOVE THE NOSE OF THE TREADS VERTICALLY TO THE TOP RAIL. THEY SHALL BE CONTINUOUS THE FULL LENGTH OF THE STAIRS. THE HANDGRIP PORTION SHALL BE NOT LESS THAN 1 1/4" NOR MORE THAN 2" IN CROSS-SECTIONAL DIMENSION. HANDRAILS PROJECTING FROM A WALL SHALL HAVE A SPACE OF NOT LESS THAN 1 1/2" BETWEEN THE WALL AND THE HANDRAIL
- 05.11 MAXIMUM RISER HEIGHT SHALL BE 7 INCHES, RISER SHALL BE MEASURED VERTICALLY BETWEEN LEADING EDGES OF ADJACENT TREADS. GREATEST RISER HEIGHT WITHIN ANY FLIGHT OF STAIRS SHALL NOT EXCEED THE SMALLEST BY MORE THAN 3/8 INCH (R311.7.5.1)
- 05.12 MINIMUM TREAD DEPTH SHALL BE 11 INCHES, TREAD DEPTH SHALL BE MEASURED HORIZONTALLY BETWEEN VERTICAL PLANES OF THE FOREMOST PROJECTION OF ADJACENT TREADS AND AT RIGHT ANGLE TO TREAD'S LEADING EDGE. GREATEST TREAD DEPTH WITHIN ANY FLIGHT OF STAIRS SHALL NOT EXCEED SMALLEST BY MORE THAN 3/8 INCH (R311.7.5.2)
- 05.17 STEEL COLUMN, SEE STRUCTURAL
- 05.18 SLOPE CONCRETE FLOOR TO NEW FLOOR DRAIN, SLOPE TO BE LESS THAN 1/20. COORDINATE SLOPE WITH WITH DRAIN LOCATION

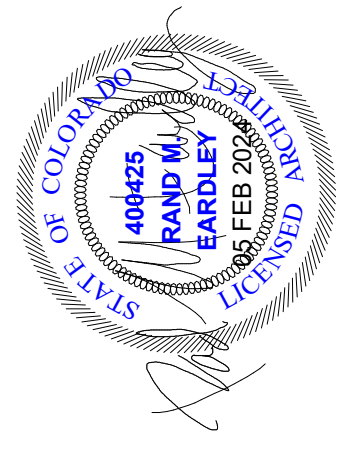
FLOOR PLAN GENERAL NOTES

- ALL DIMENSIONS ARE TO FACE OF STUD IN NEW CONSTRUCTION, FACE OF FINISH IN EXISTING.
- ALL FLOOR FINISH CHANGES OCCUR AT CENTERLINE OF DOOR IN CLOSED POSITION, UNLESS NOTED OTHERWISE.
- COORDINATE LOCATIONS OF ALL FLOOR AND ROOF DRAINS WITH PLUMBING PLANS.
- SEE SHEET A-501 FOR BLOCKING DETAILS.

FLOOR PLAN LEGEND



1-HOUR FIRE RATED WALL



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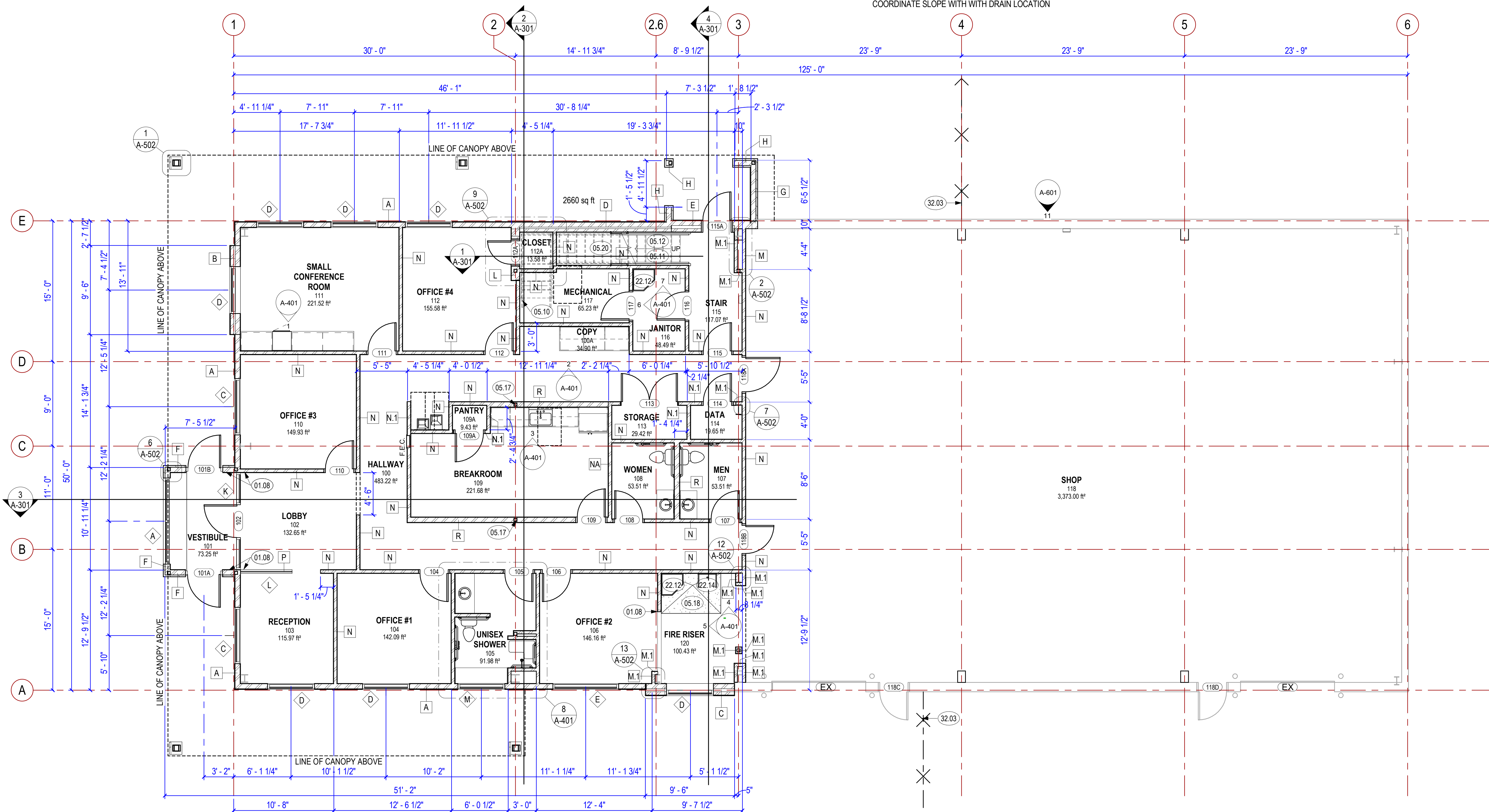
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Designed by: RME
 Drawn by: WAR
 Reviewed by: JTP
 Submitted by: []

Submitted: 05 FEB 2024
 File: []
 Scale: As indicated
 Project Number: []

RCH Valley
 Real Color Holdings, LLC
 875 Valley St
 Colorado Springs, CO
 80915

SHEET NUMBER
A-101



1 1ST FLOOR PLAN
 3/16" = 1'-0"

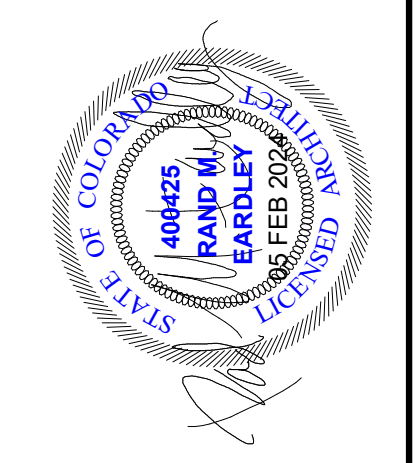
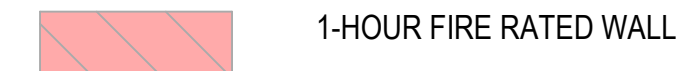
KEYED NOTES

- 05.10 HANDRAIL SIZE TO BE 1 1/4" TO 2 5/8", HANDRAILS SHALL TERMINATE TO WALLS OR NEWEL POSTS. MAX 4" SPACING BETWEEN BALUSTERS. HANDRAIL IS TO BE PLACED 34" TO 38" ABOVE THE NOSE OF THE TREADS VERTICALLY TO THE TOP RAIL. THEY SHALL BE CONTINUOUS THE FULL LENGTH OF THE STAIRS. THE HANDGRIP PORTION SHALL BE NOT LESS THAN 1 1/4" NOR MORE THAN 2" IN CROSS-SECTIONAL DIMENSION. HANDRAILS PROJECTING FROM A WALL SHALL HAVE A SPACE OF NOT LESS THAN 1 1/2" BETWEEN THE WALL AND THE HANDRAIL
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- 05.14 METAL AWNING; COLOR MIDNIGHT BRONZE
- 05.20 RISERS ARE REQUIRED TO BE COMPLETELY CLOSED AND MUST SEPERATE THE UNUSED ENCLOSED SPACE BELOW THE STAIR FORM THE INTERIOR EXIT STAIRWAY
- 09.15 1/4" CEMENT BOARD TILE BACKING AT FLOOR, SECOND FLOOR ONLY

FLOOR PLAN GENERAL NOTES

- 1. ALL DIMENSIONS ARE TO FACE OF STUD IN NEW CONSTRUCTION, FACE OF FINISH IN EXISTING.
- 2. ALL FLOOR FINISH CHANGES OCCUR AT CENTERLINE OF DOOR IN CLOSED POSITION, UNLESS NOTED OTHERWISE.
- 3. COORDINATE LOCATIONS OF ALL FLOOR AND ROOF DRAINS WITH PLUMBING PLANS.
- 4. SEE SHEET A-501 FOR BLOCKING DETAILS.

FLOOR PLAN LEGEND



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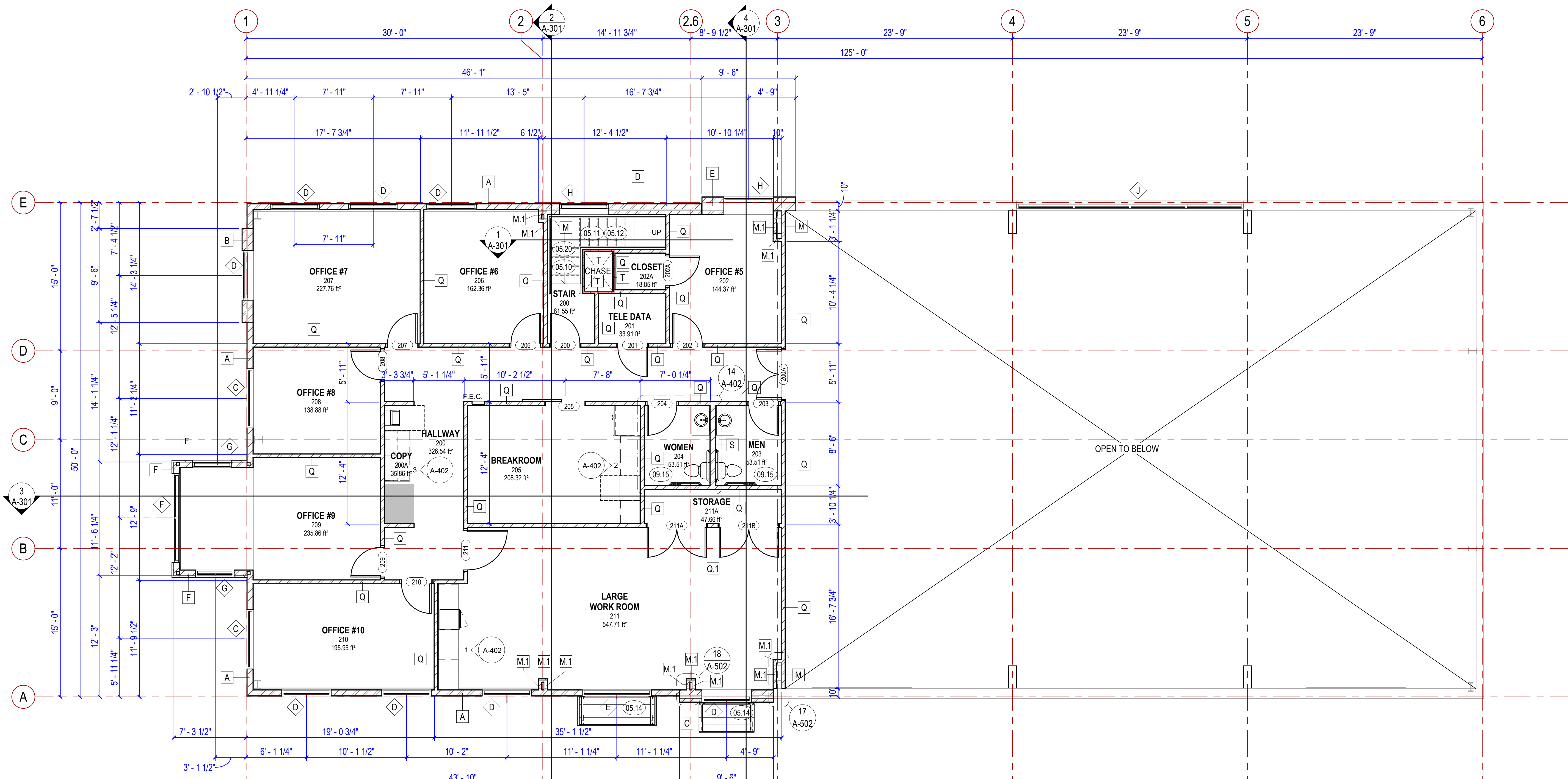
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| Drawn by: | WAR | File: | |
| Reviewed by: | JTP | Scale: | As indicated |
| Submitted by: | | Project Number: | |

RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

SECOND FLOOR PLAN

SHEET NUMBER
A-102

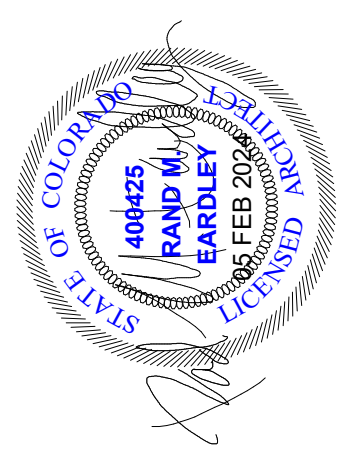


1 2ND FLOOR PLAN
 3/16" = 1'-0"



KEYED NOTES

- 02.07 EXISTING ROOFING TO REMAIN
- 05.14 METAL AWNING; COLOR MIDNIGHT BRONZE
- 07.03 INSTALL W.R. GRACE BITUMINOUS "ICE AND WATER SHIELD" CONTINUOUS FROM EAVE TO WITHIN 6' OF RIDGE
- 07.15 GUTTER; COLOR MIDNIGHT BRONZE
- 07.17 STANDING SEAM METAL ROOFING OVER 301b ROOFING FELTS; COLOR MIDNIGHT BRONZE
- 07.18 METAL FASCIA; COLOR MIDNIGHT BRONZE



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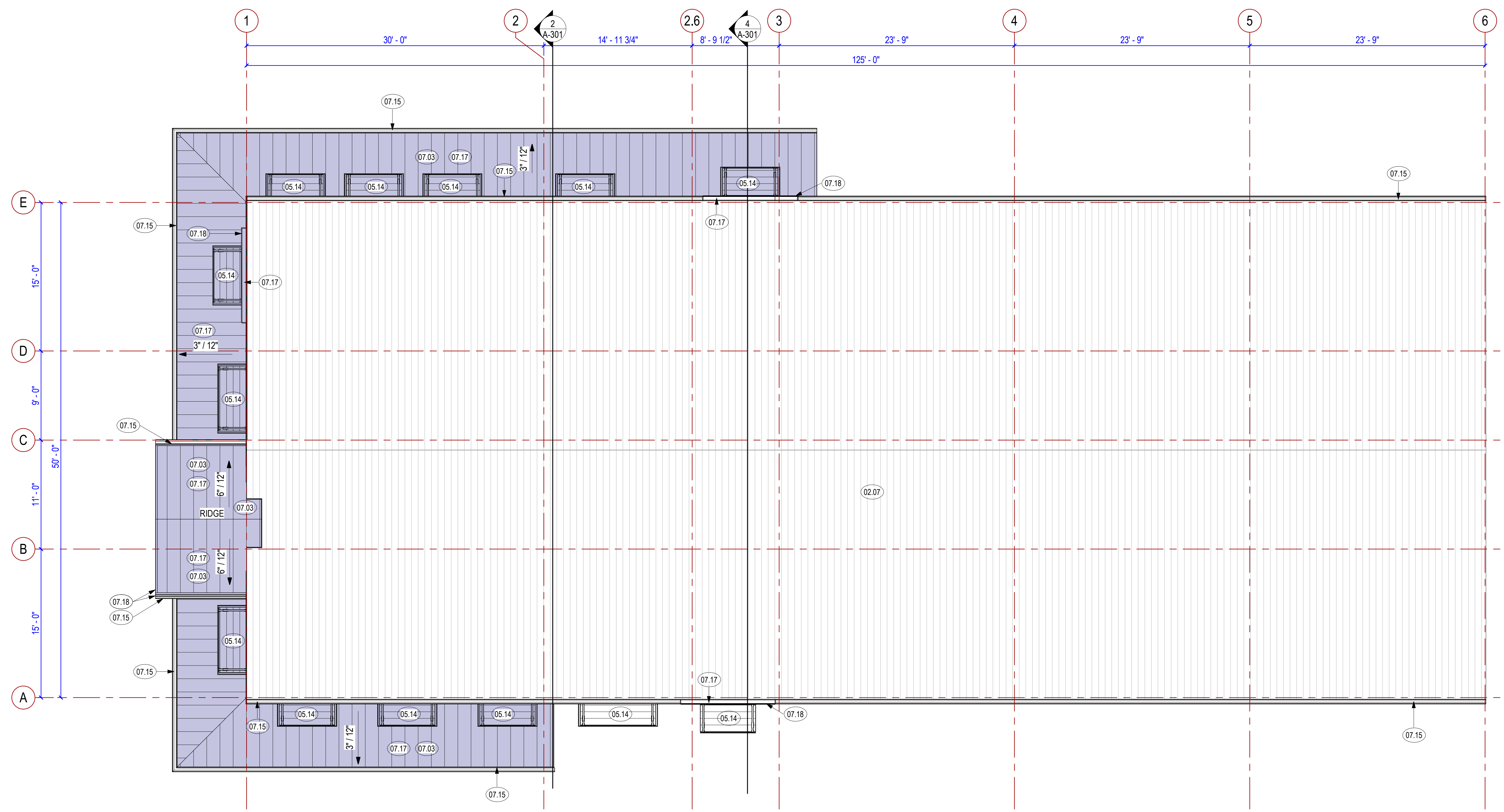
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| Drawn by: WAR | File: | |
| Reviewed by: JTP | Scale: As indicated | |
| Submitted by: | Project Number: | |

RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

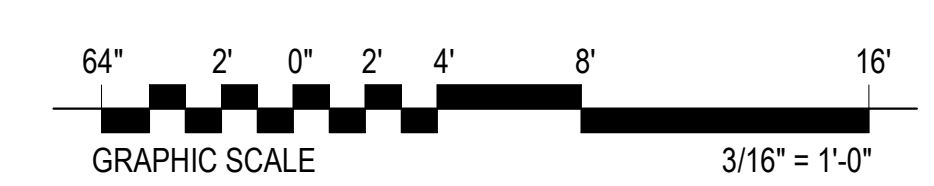
ROOF PLAN

SHEET NUMBER
A-103



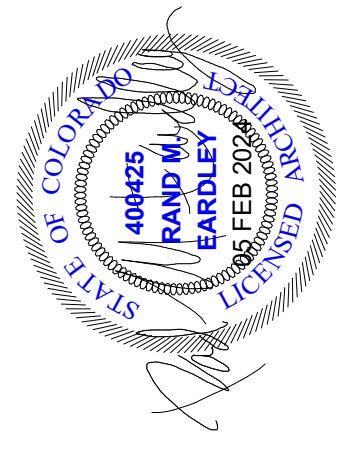
1 ROOF PLAN
 3/16" = 1'-0"

ROOF PLAN LEGEND



KEYED NOTES

- 02.25 EXISTING SIDING TO REMAIN
- 04.01 2" STONE VENEER; COLOR HARRISTONE CHIEF JOSEPH SUMMIT
- 04.03 STONE CAP, SEAL TO POST, TYP.
- 05.14 METAL AWNING; COLOR MIDNIGHT BRONZE
- 07.14 ALUMINUM SOFFIT; COLOR MIDNIGHT BRONZE
- 07.15 GUTTER; COLOR MIDNIGHT BRONZE
- 07.17 STANDING SEAM METAL ROOFING OVER 30lb ROOFING FELTS; COLOR MIDNIGHT BRONZE
- 07.18 METAL FASCIA; COLOR MIDNIGHT BRONZE
- 07.27 EDCO STEEL BOARD AND BATTEN, INSTALLED PER MANUFACTURERS INSTALLATION INSTRUCTIONS; COLOR WICKERSTONE
- 07.28 EDCO STEEL HORIZONTAL SIDING, INSTALLED PER MANUFACTURERS INSTALLATION INSTRUCTIONS; COLOR CEDARWOOD HD
- 09.12 PAINTED METAL COLUMN SEE STRUCTURAL, COLOR MIDNIGHT BRONZE
- 31.01 FINISH GRADE, SLOPE GRADE AWAY FROM STRUCTURE @ 5% MIN. FOR A MINIMUM DISTANCE OF 10 FEET - CONTINUOUS AT PERIMETER OF STRUCTURE



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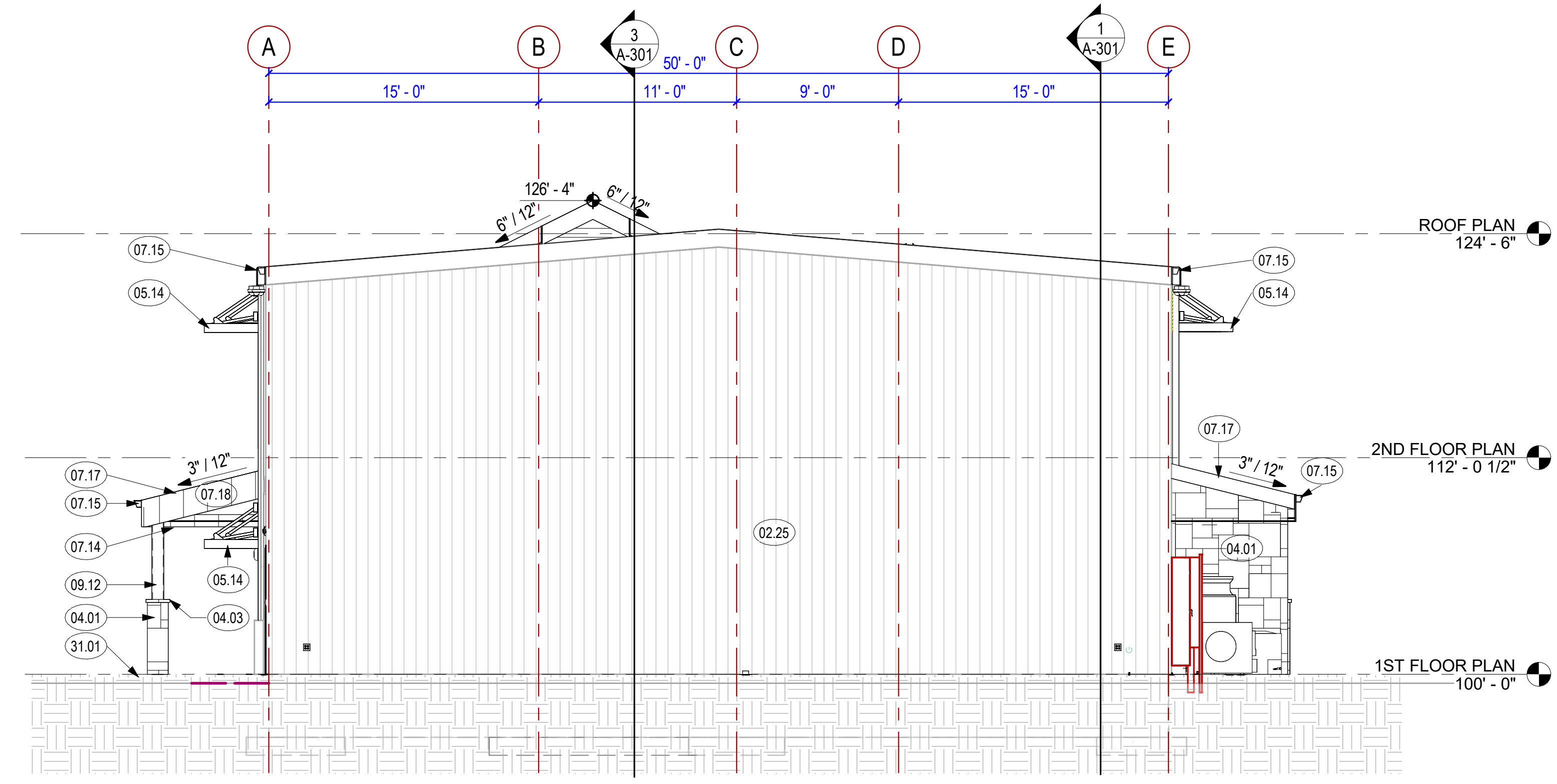
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| Reviewed by: JTP | Scale: 3/16" = 1'-0" | |
| Submitted by: | Project Number: | |

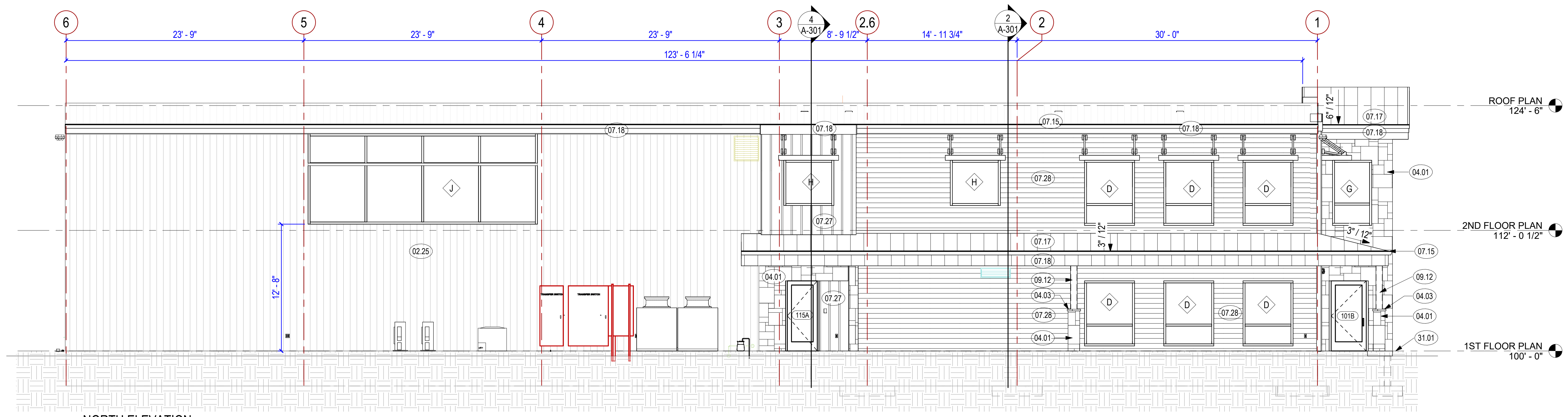
RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

EXTERIOR ELEVATIONS

SHEET NUMBER
A-201



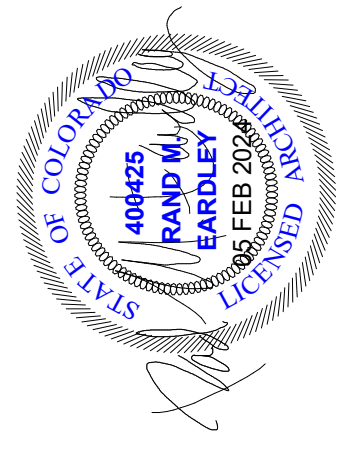
1 EAST ELEVATION
 3/16" = 1'-0"



2 NORTH ELEVATION
 3/16" = 1'-0"

KEYED NOTES

- 02.25 EXISTING SIDING TO REMAIN
- 04.01 2" STONE VENEER; COLOR HARRISTONE CHIEF JOSEPH SUMMIT
- 04.03 STONE CAP, SEAL TO POST, TYP.
- 05.14 METAL AWNING; COLOR MIDNIGHT BRONZE
- 07.15 GUTTER; COLOR MIDNIGHT BRONZE
- 07.17 STANDING SEAM METAL ROOFING OVER 30lb ROOFING FELTS; COLOR MIDNIGHT BRONZE
- 07.18 METAL FASCIA; COLOR MIDNIGHT BRONZE
- 07.27 EDCO STEEL BOARD AND BATTEN, INSTALLED PER MANUFACTURERS INSTALLATION INSTRUCTIONS; COLOR WICKERSTONE
- 07.28 EDCO STEEL HORIZONTAL SIDING, INSTALLED PER MANUFACTURERS INSTALLATION INSTRUCTIONS; COLOR CEDARWOOD HD
- 09.12 PAINTED METAL COLUMN SEE STRUCTURAL, COLOR MIDNIGHT BRONZE
- 31.01 FINISH GRADE, SLOPE GRADE AWAY FROM STRUCTURE @ 5% MIN. FOR A MINIMUM DISTANCE OF 10 FEET - CONTINUOUS AT PERIMETER OF STRUCTURE



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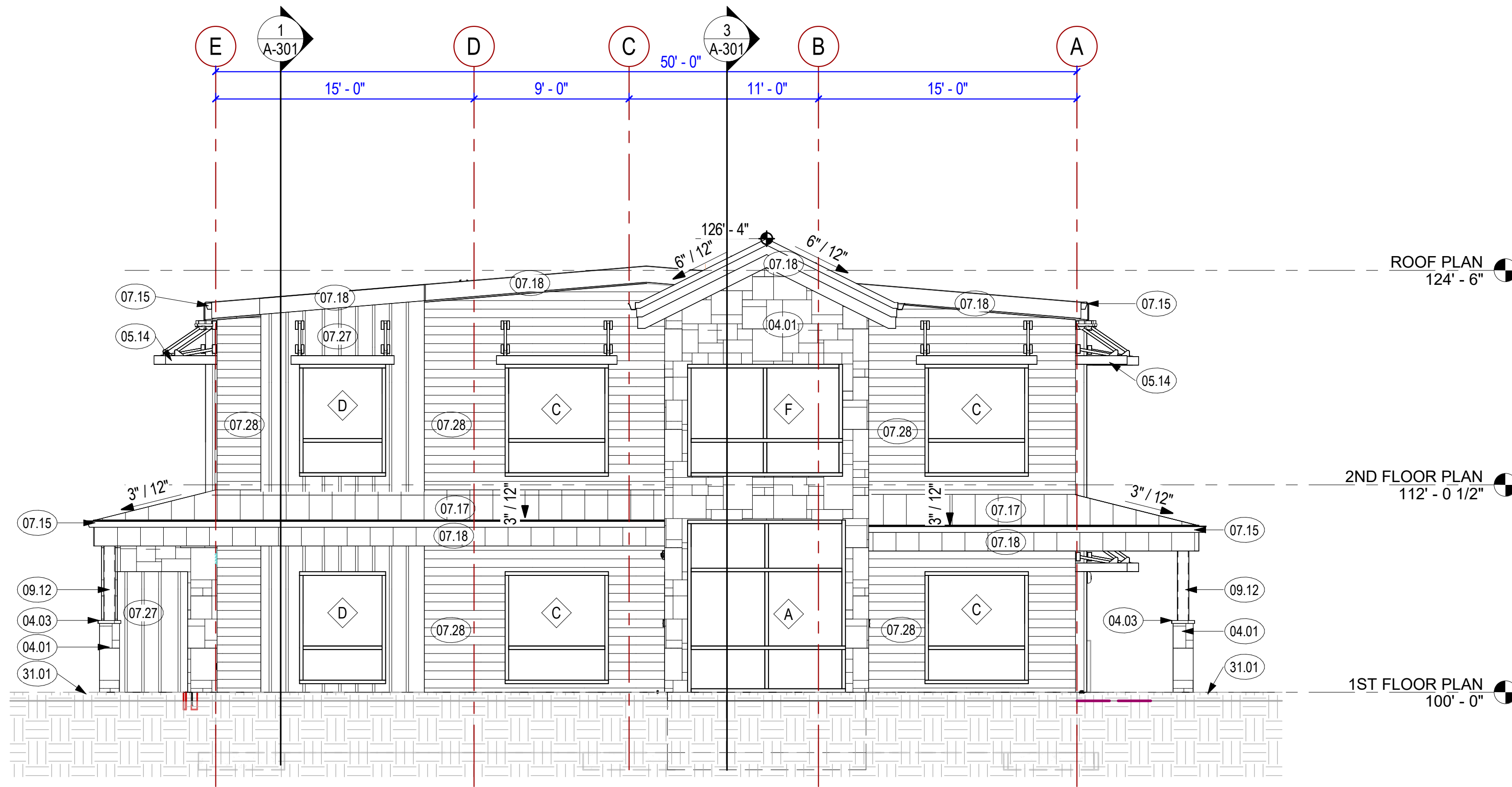
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| Designed by: RME | Submitted: 05 FEB 2024 | REV: |
| Drawn by: WAR | File: | |
| Reviewed by: JTP | Scale: 3/16" = 1'-0" | |
| Submitted by: | Project Number: | |

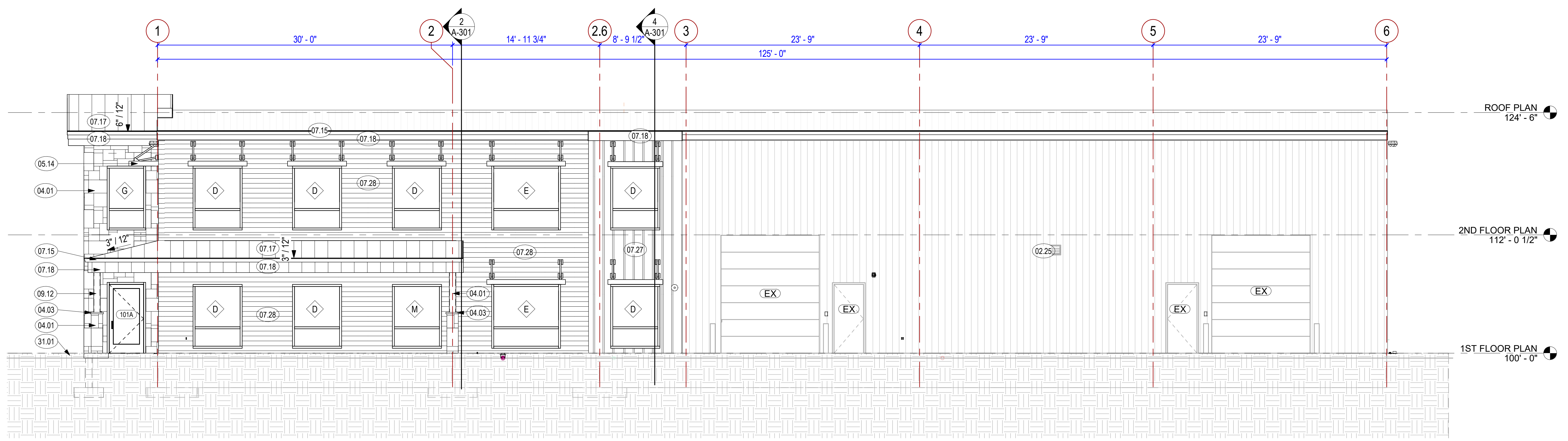
RCH Valley
 Real Color Holdings, LLC
 875 Valley St
 Colorado Springs, CO
 80915

EXTERIOR ELEVATIONS

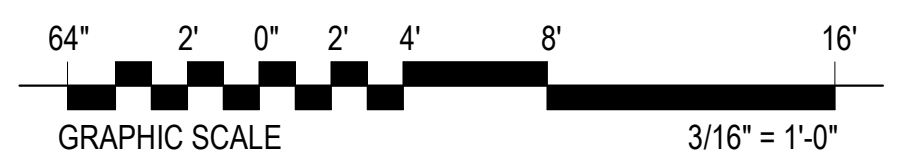
SHEET NUMBER
A-202



1 WEST ELEVATION
 3/16" = 1'-0"



2 SOUTH ELEVATION
 3/16" = 1'-0"



KEYED NOTES

- 07.25 R-13 CONTINUOUS CLOSED CELL SPRAY FOAM INSULATION (APPROXIMATELY 2")...

KEYED NOTES

- 07.18 METAL FASCIA; COLOR MIDNIGHT BRONZE

KEYED NOTES

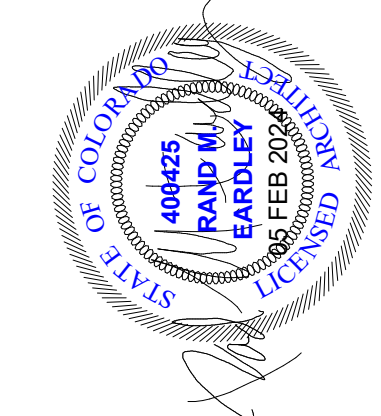
- 05.12 MINIMUM TREAD DEPTH SHALL BE 11 INCHES, TREAD DEPTH SHALL BE MEASURED HORIZONTALLY...

KEYED NOTES

- 02.07 EXISTING ROOFING TO REMAIN

BUILDING SECTION GENERAL NOTES

- 1. INSTALL CONTINUOUS VAPOR RETARDER ON THE WARM SIDE OF ALL WALLS AND CEILINGS...



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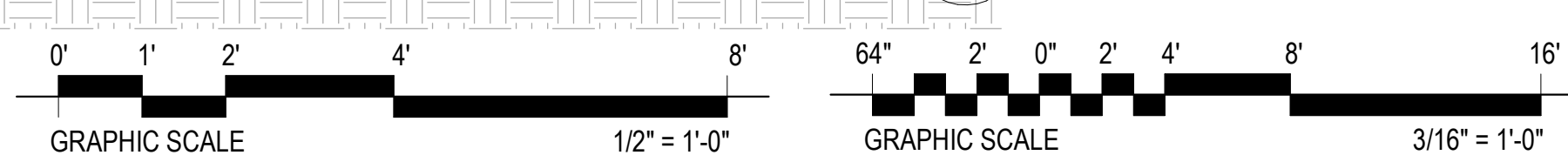
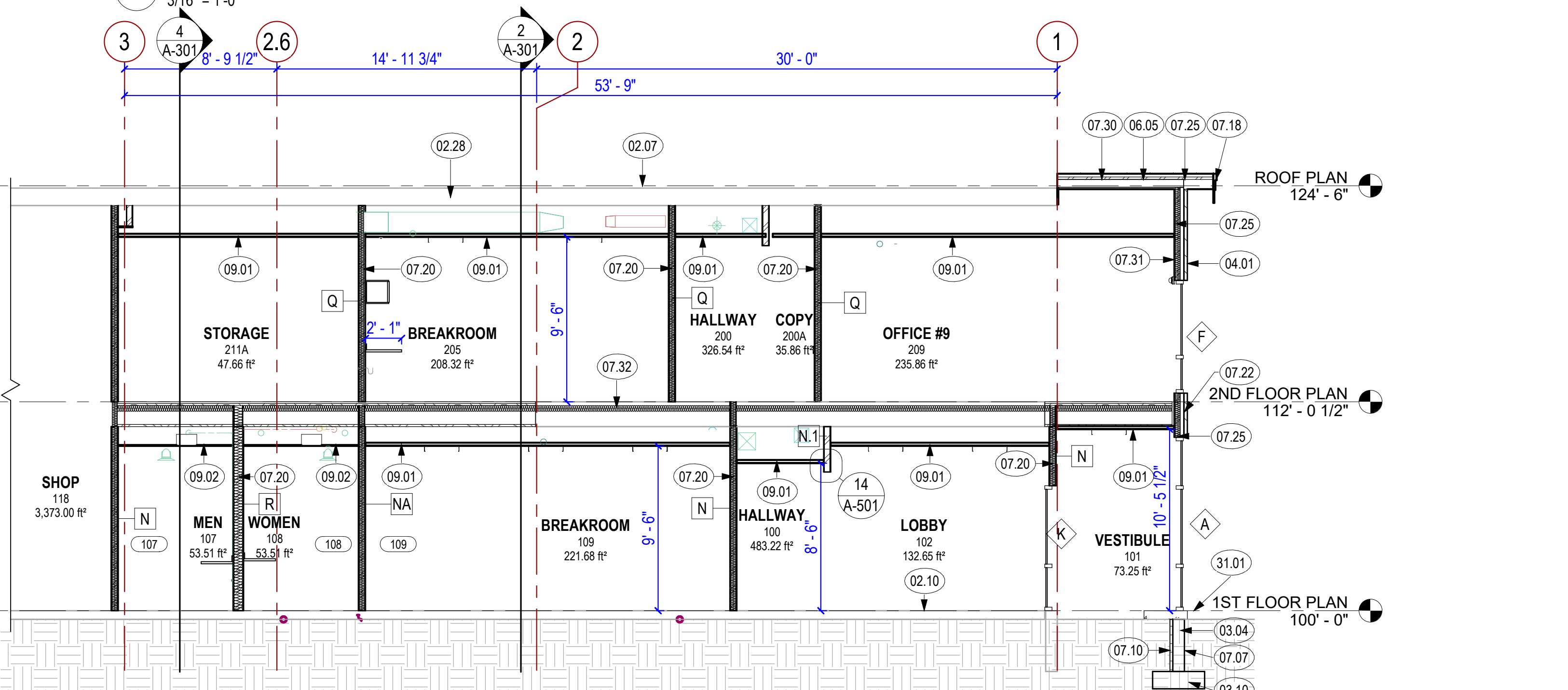
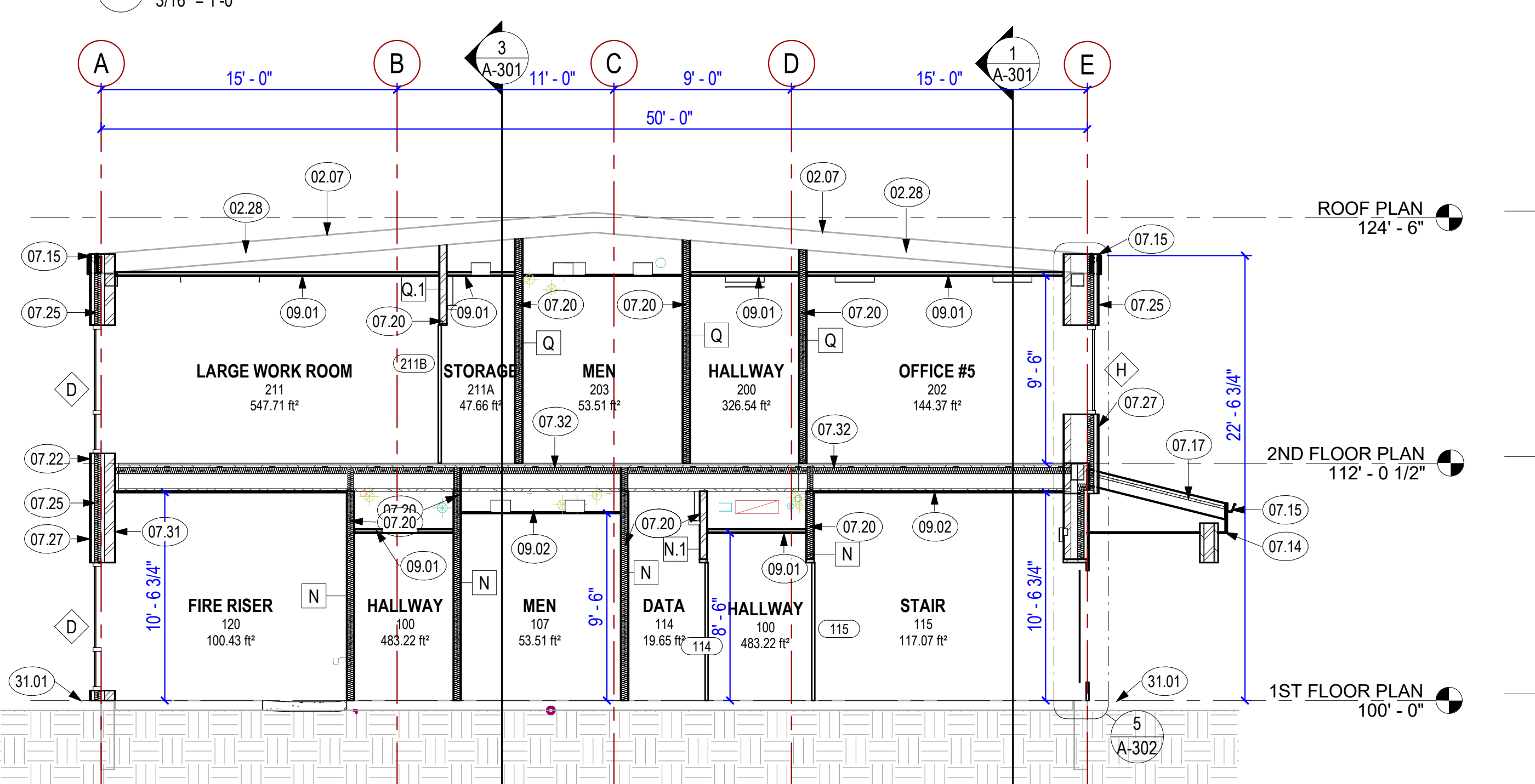
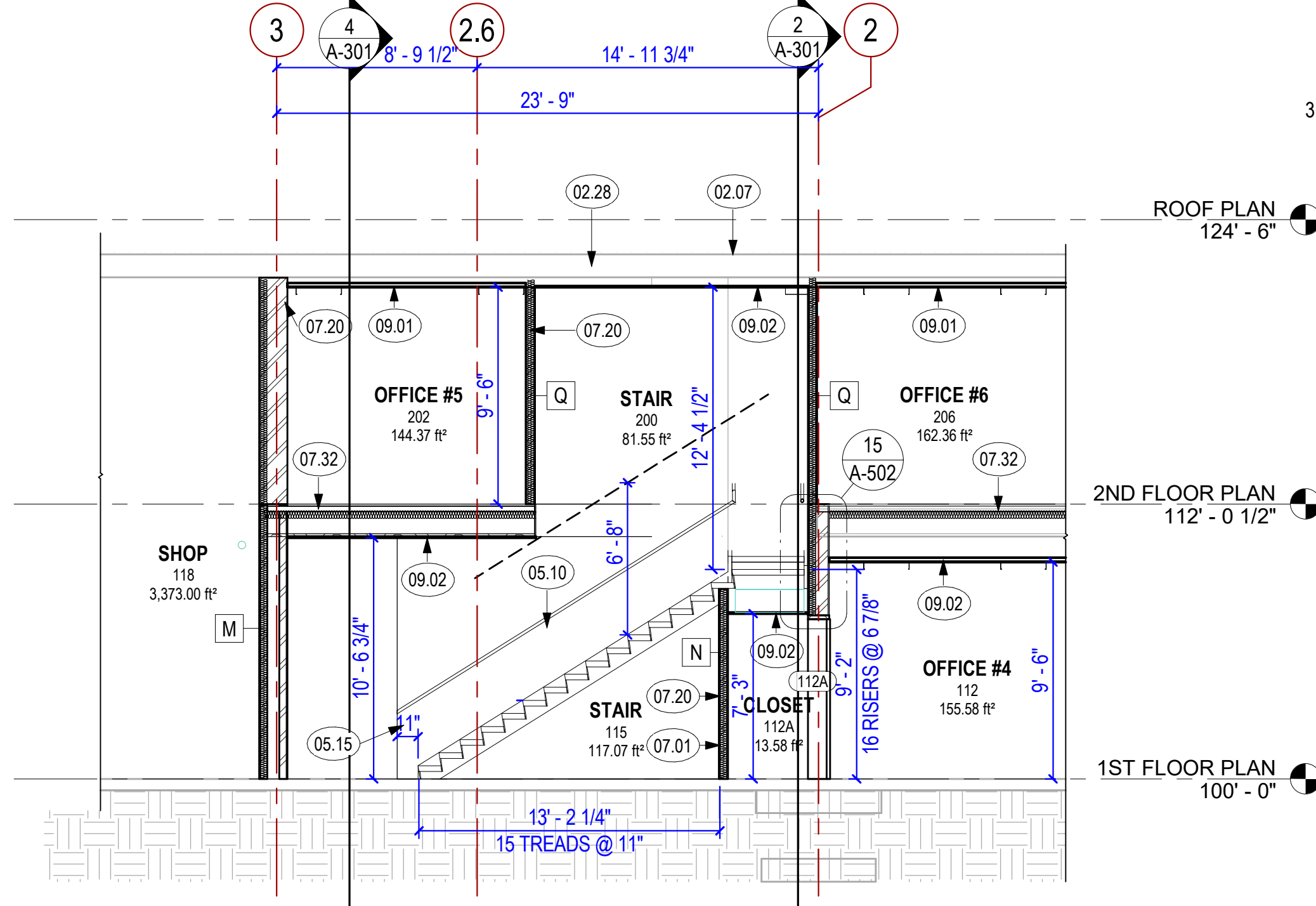
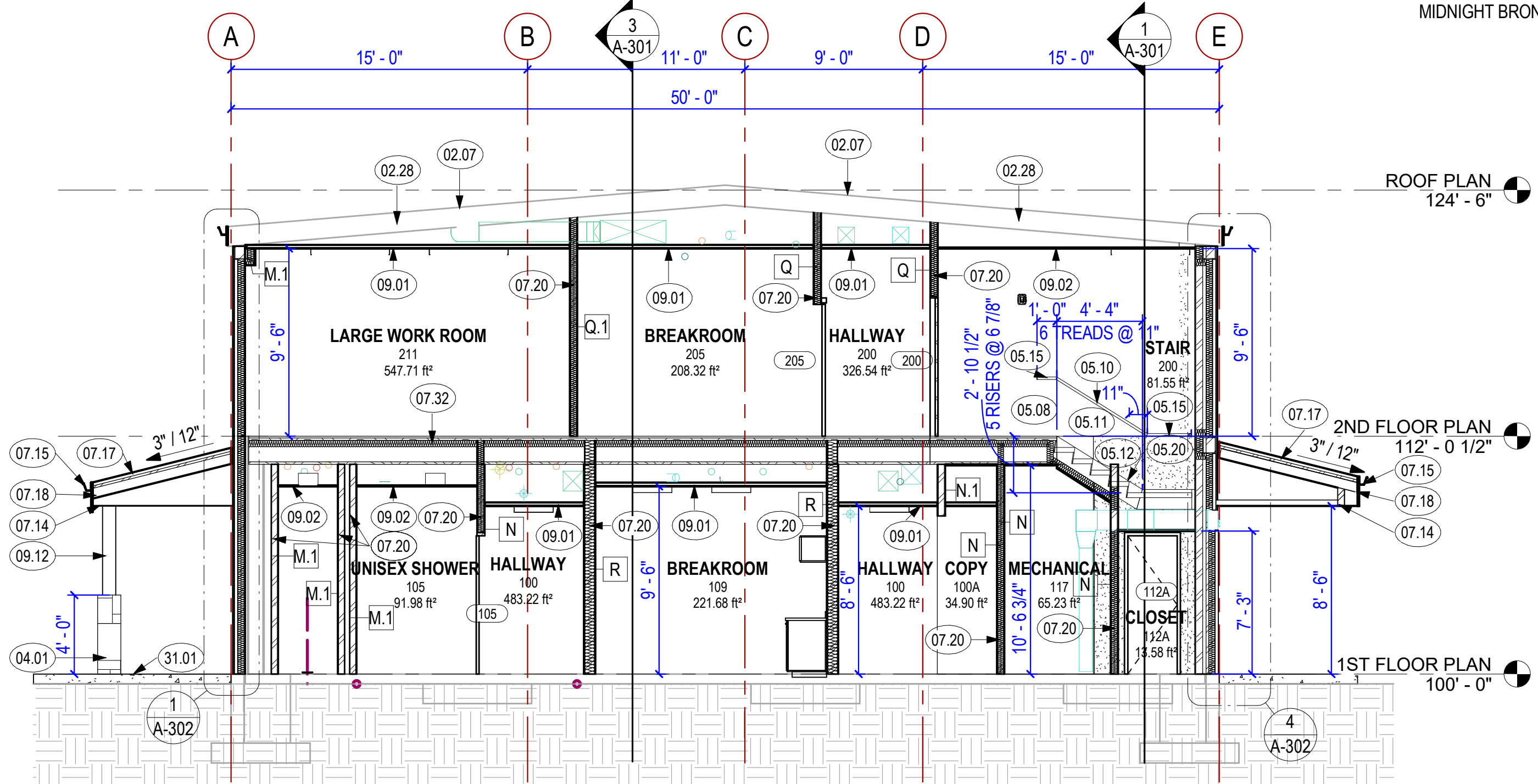
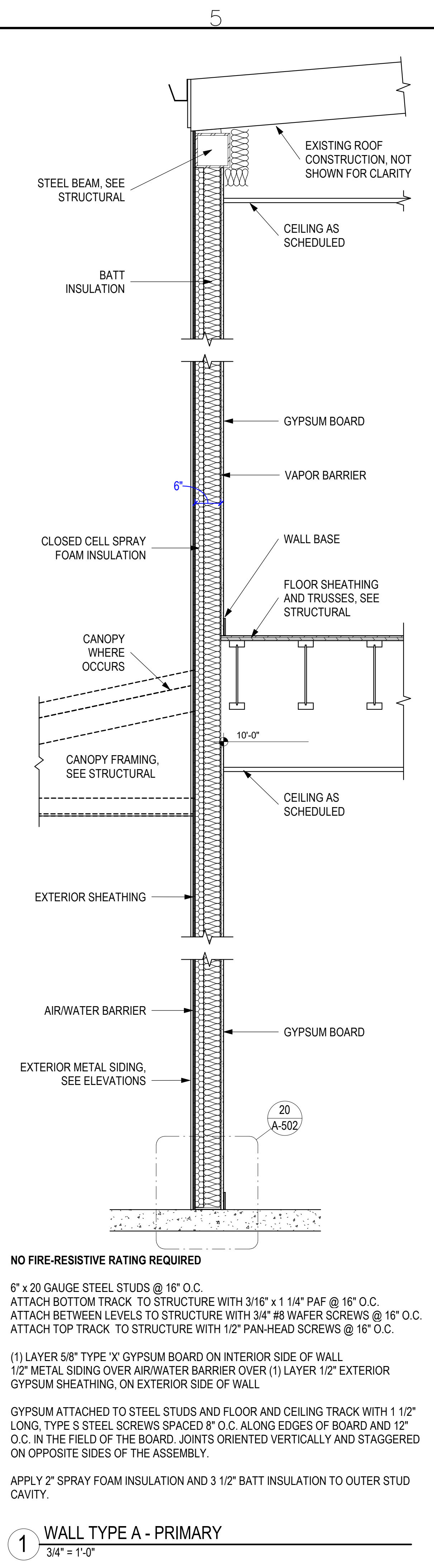
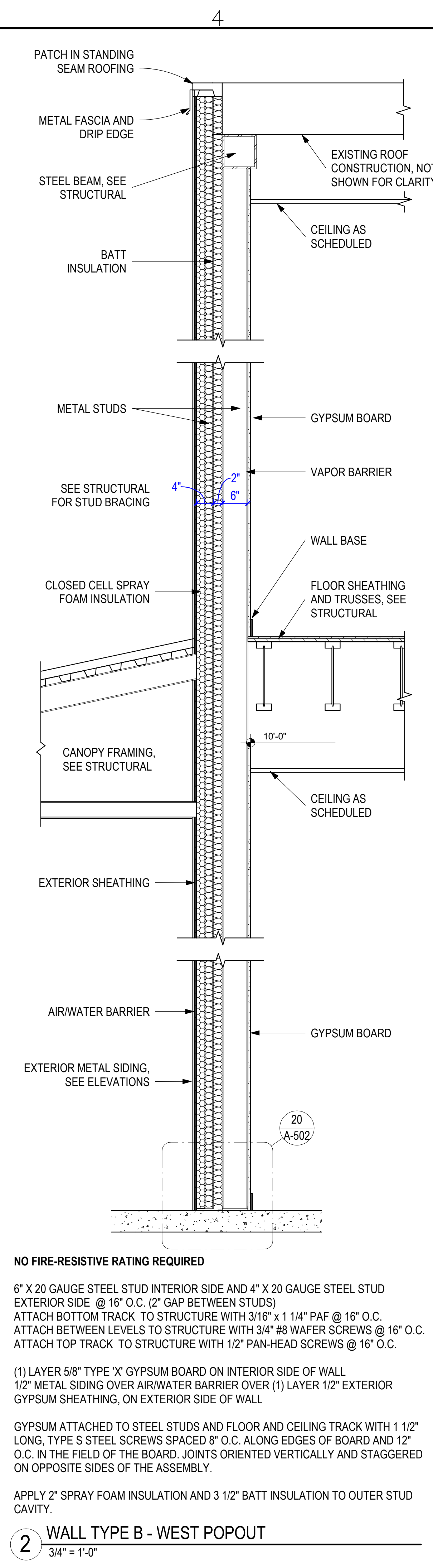
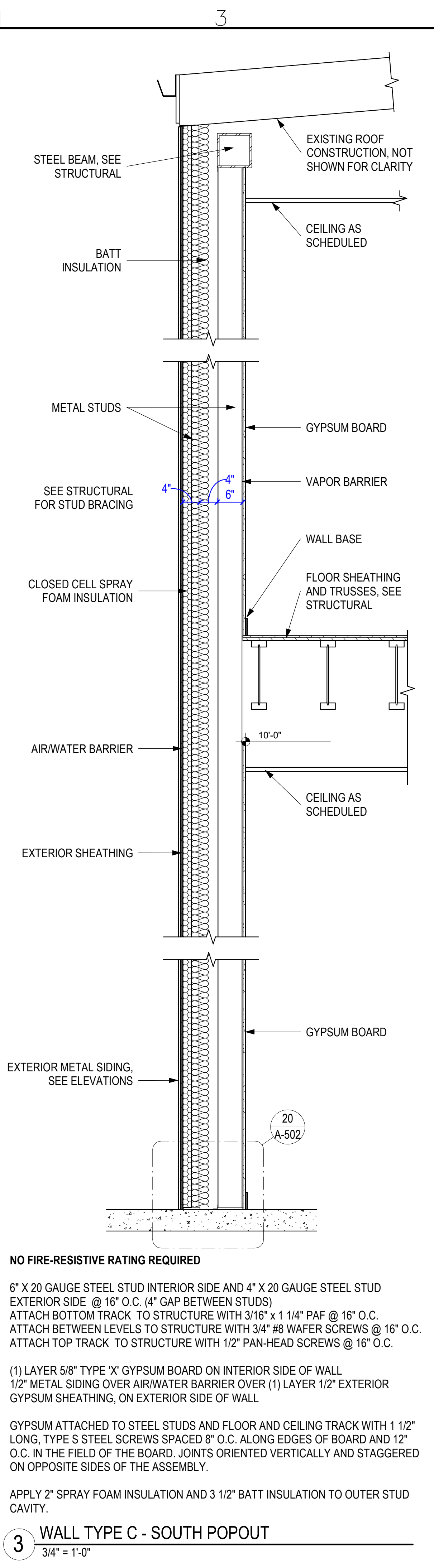
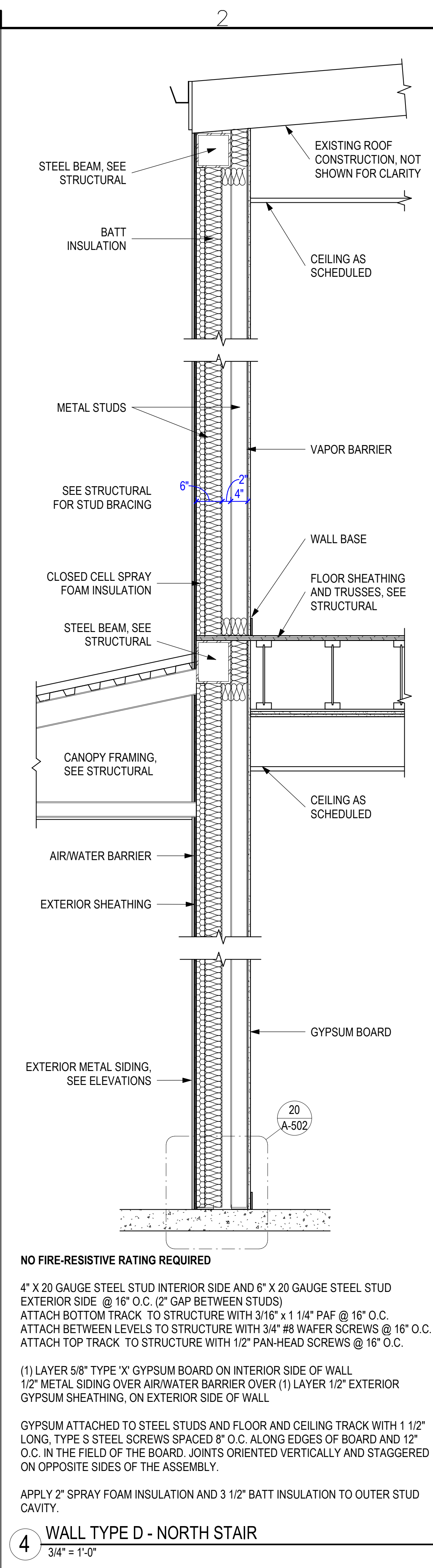
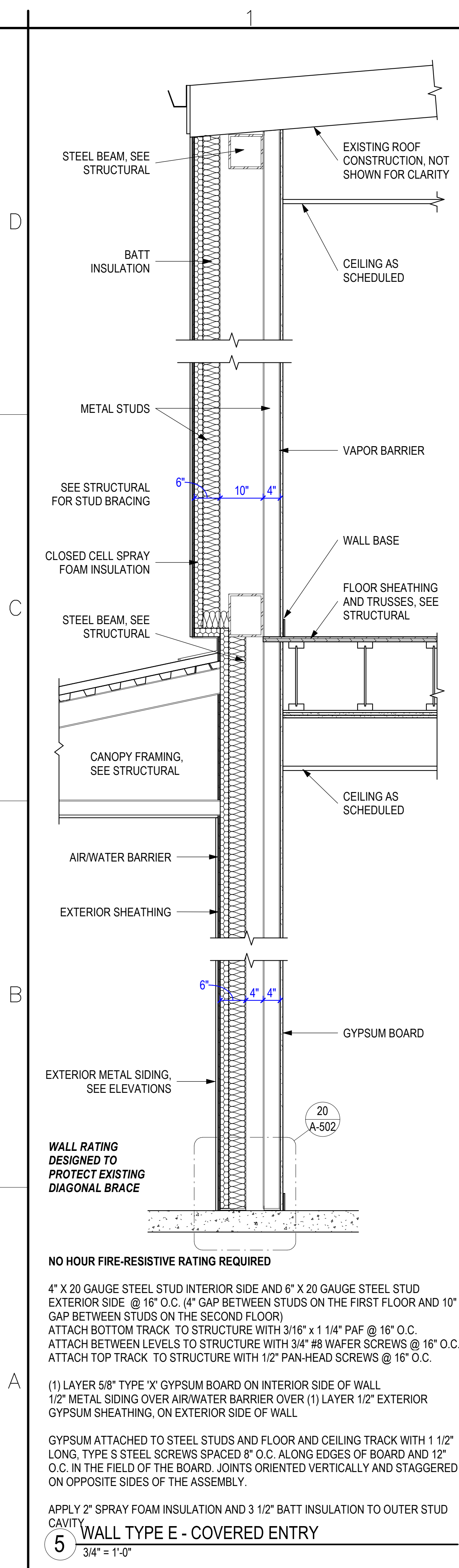


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RCH Valley Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO 80915

SHEET NUMBER A-301



5 WALL TYPE E - COVERED ENTRY
3/4" = 1'-0"

4 WALL TYPE D - NORTH STAIR
3/4" = 1'-0"

3 WALL TYPE C - SOUTH POPOUT
3/4" = 1'-0"

2 WALL TYPE B - WEST POPOUT
3/4" = 1'-0"

1 WALL TYPE A - PRIMARY
3/4" = 1'-0"

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| | 05 FEB 2024 | | 3/4" = 1'-0" | | | | |

RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

EXTERIOR WALL SECTIONS

SHEET NUMBER
A-302

D

C

B

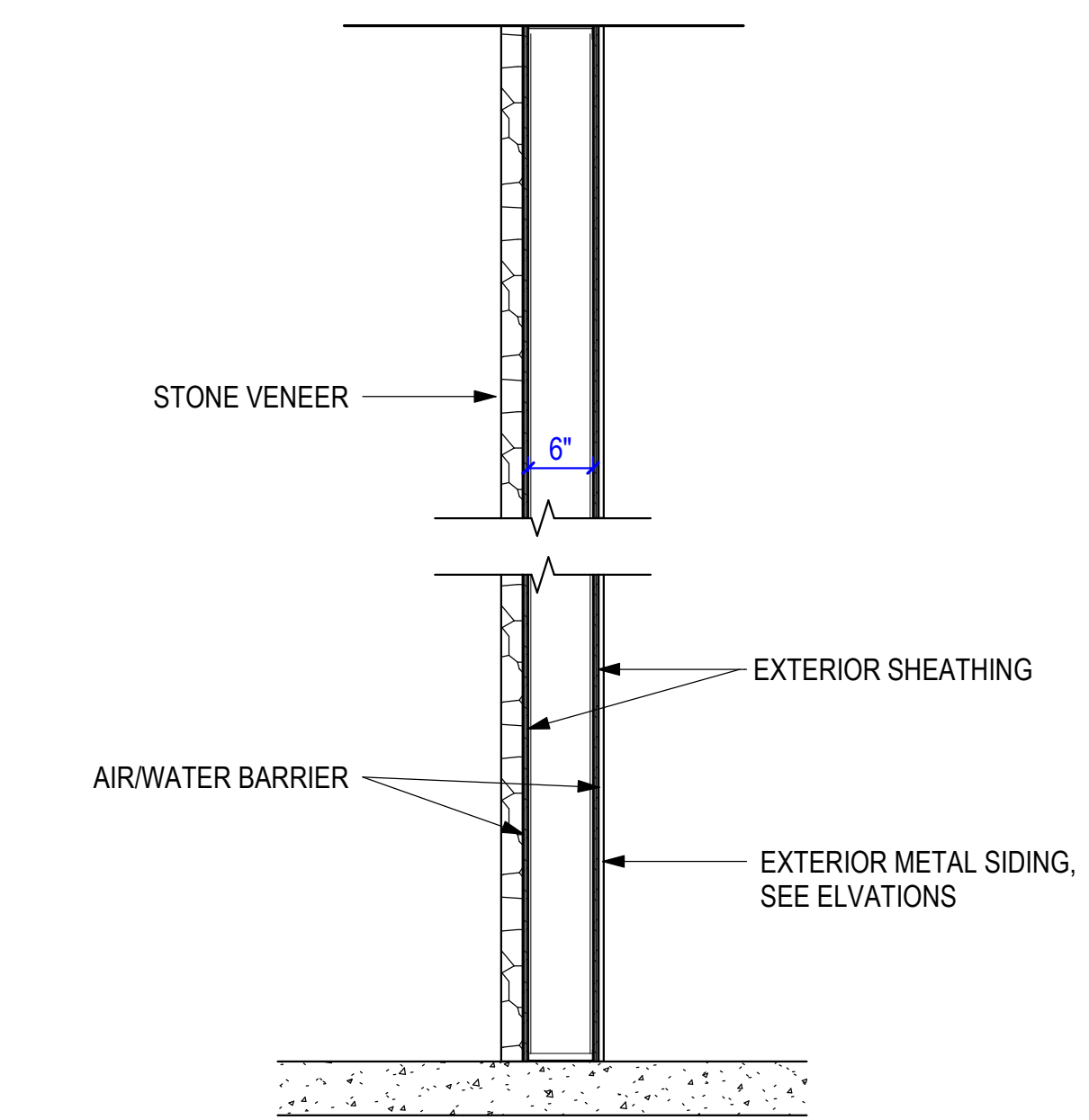
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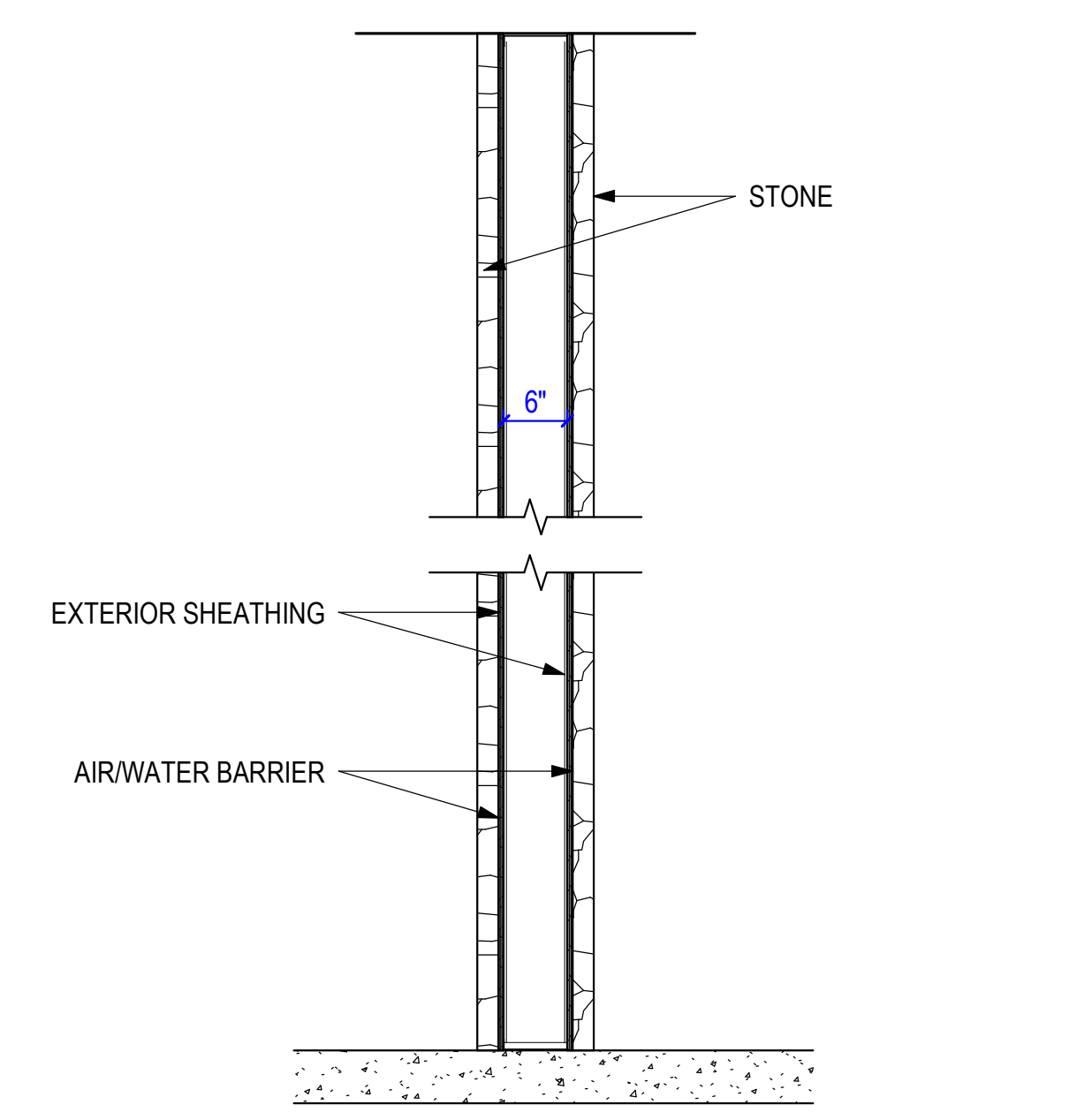


NO FIRE-RESISTIVE RATING REQUIRED

6" X 20 GAUGE STEEL STUDS @ 16" O.C.
 ATTACH BOTTOM TRACK TO STRUCTURE WITH 3/16" x 1 1/4" PAF @ 16" O.C.
 ATTACH TOP TRACK TO STRUCTURE WITH 3/4" #8 WAFER SCREWS @ 16" O.C.

1/2" METAL SIDING OVER AIR/WATER BARRIER OVER (1) LAYER 1/2" EXTERIOR GYPSUM SHEATHING, ON INTERIOR SIDE OF WALL
 2" STONE VENEER OVER AIR/WATER BARRIER OVER (1) LAYER 1/2" EXTERIOR SHEATHING, ON EXTERIOR SIDE OF WALL

3 WALL TYPE G - COVERED ENTRY
 3/4" = 1'-0"

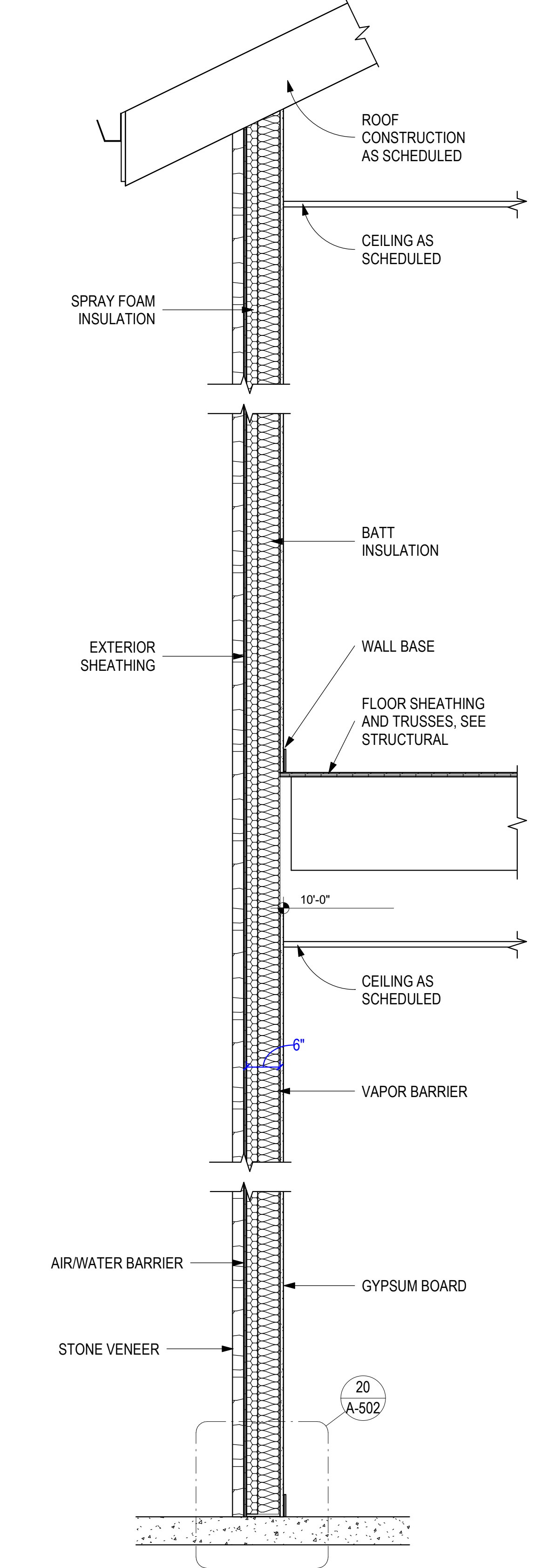


NO FIRE-RESISTIVE RATING REQUIRED

6" X 20 GAUGE STEEL STUDS @ 16" O.C.
 ATTACH BOTTOM TRACK TO STRUCTURE WITH 3/16" x 1 1/4" PAF @ 16" O.C.
 ATTACH TOP TRACK TO STRUCTURE WITH 3/4" #8 WAFER SCREWS @ 16" O.C.

2" STONE VENEER OVER AIR/WATER BARRIER OVER (1) LAYER 1/2" EXTERIOR SHEATHING, ON INTERIOR SIDE OF WALL
 2" STONE VENEER OVER AIR/WATER BARRIER OVER (1) LAYER 1/2" EXTERIOR SHEATHING, ON EXTERIOR SIDE OF WALL

4 WALL TYPE H - COVERED ENTRY
 3/4" = 1'-0"



NO FIRE-RESISTIVE RATING REQUIRED

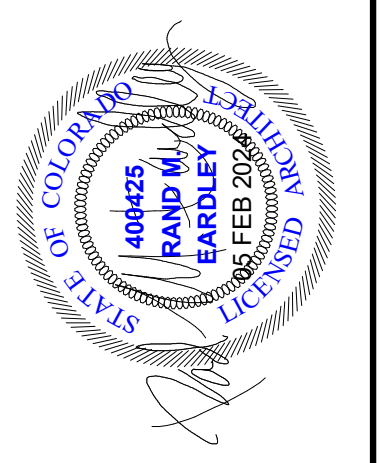
6" X 20 GAUGE STEEL STUDS @ 16" O.C.
 ATTACH BOTTOM TRACK TO STRUCTURE WITH 3/16" x 1 1/4" PAF @ 16" O.C.
 ATTACH BETWEEN LEVELS TO STRUCTURE WITH 3/4" #8 WAFER SCREWS @ 16" O.C.
 ATTACH TOP TRACK TO STRUCTURE WITH 1/2" PAN-HEAD SCREWS @ 16" O.C.

(1) LAYER 5/8" TYPE 'X' GYPSUM BOARD ON INTERIOR SIDE OF WALL
 2" STONE VENEER OVER AIR/WATER BARRIER OVER (1) LAYER 1/2" EXTERIOR GYPSUM SHEATHING, ON EXTERIOR SIDE OF WALL

GYPSUM ATTACHED TO STEEL STUDS AND FLOOR AND CEILING TRACK WITH 1 1/2" LONG, TYPE S STEEL SCREWS SPACED 8" O.C. ALONG EDGES OF BOARD AND 12" O.C. IN THE FIELD OF THE BOARD. JOINTS ORIENTED VERTICALLY AND STAGGERED ON OPPOSITE SIDES OF THE ASSEMBLY.

APPLY 2" SPRAY FOAM INSULATION AND 3 1/2" BATT INSULATION TO OUTER STUD CAVITY.

2 WALL TYPE F - VESTIBULE
 3/4" = 1'-0"



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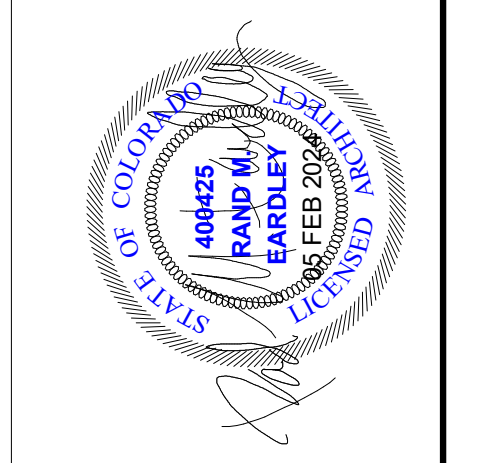
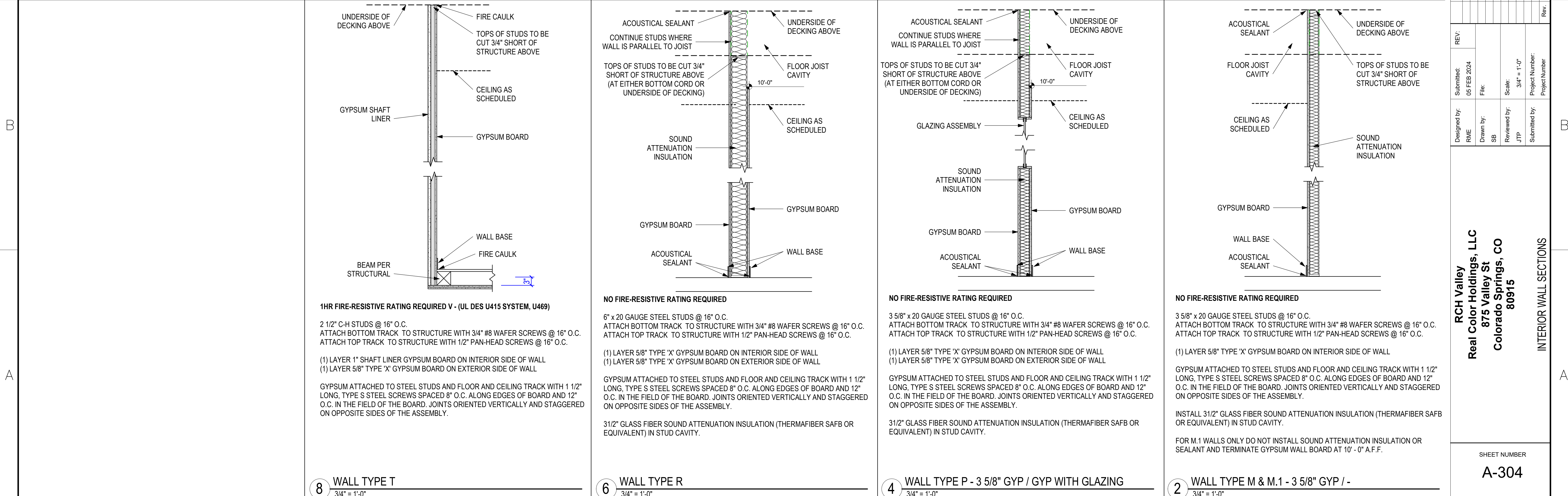
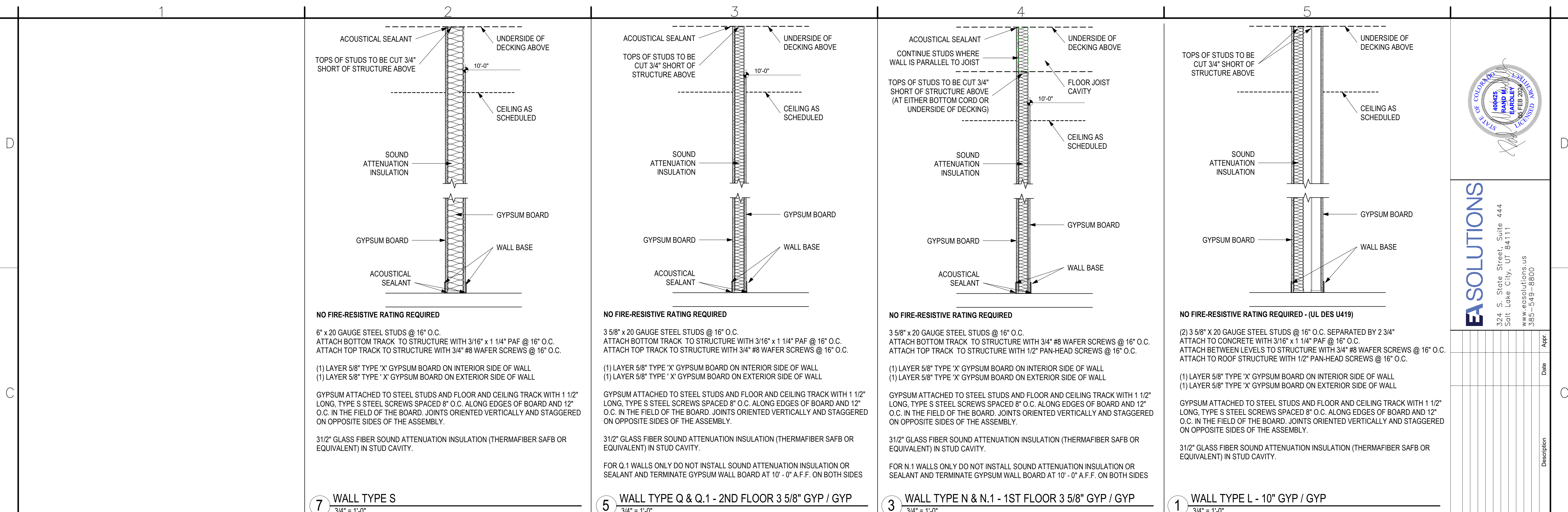
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| Designed by: | RME | Submitted: | 05 FEB 2024 |
| Drawn by: | SB | File: | |
| Reviewed by: | JTP | Scale: | 3/4" = 1'-0" |
| Submitted by: | | Project Number: | |

RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

EXTERIOR WALL SECTIONS

SHEET NUMBER
A-303



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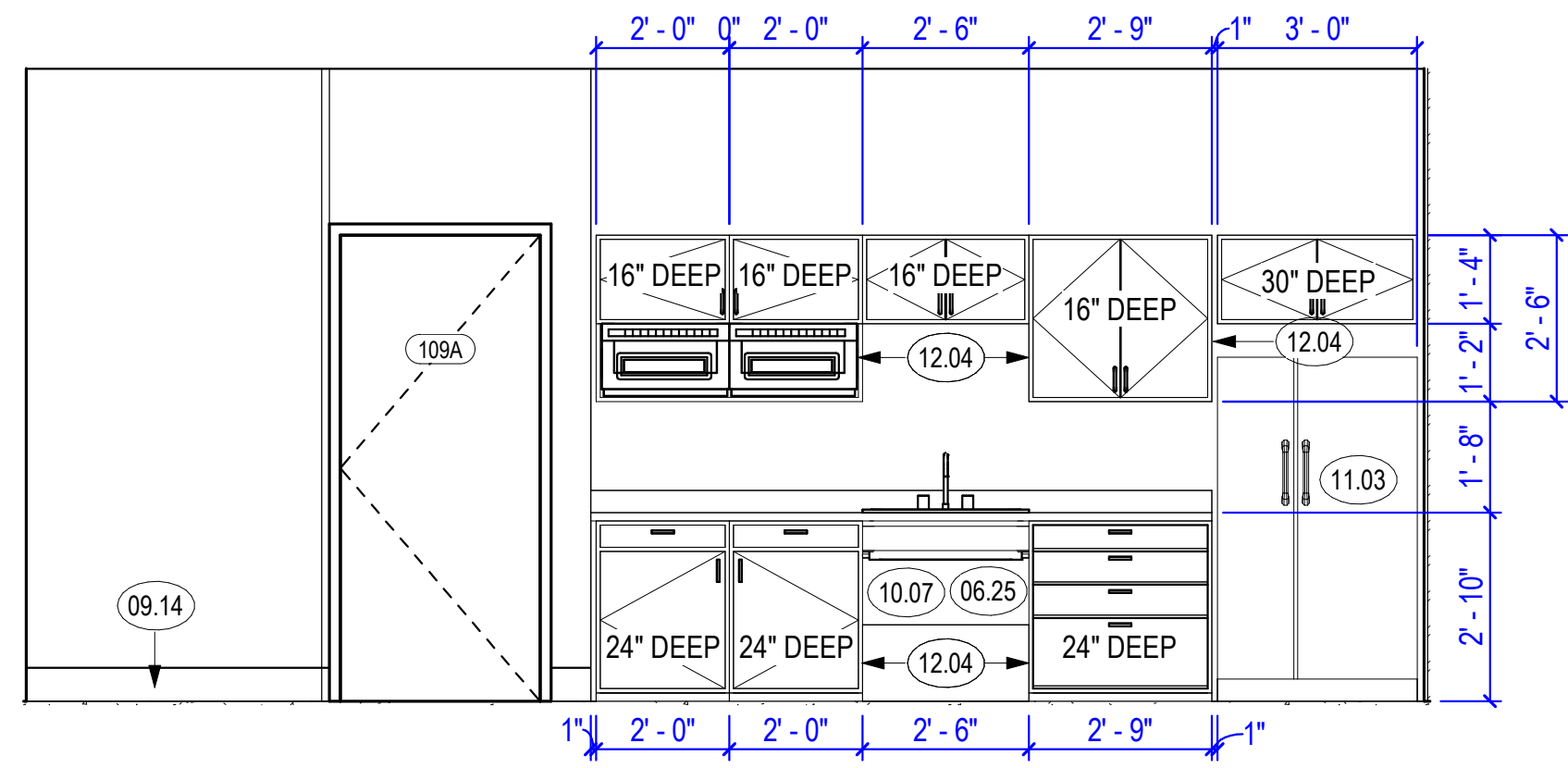
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| Designed by: RME | Submitted: 05 FEB 2024 | File: | Scale: 3/4" = 1'-0" | Project Number: |
| Drawn by: SB | Reviewed by: JTP | Submitted by: | | |

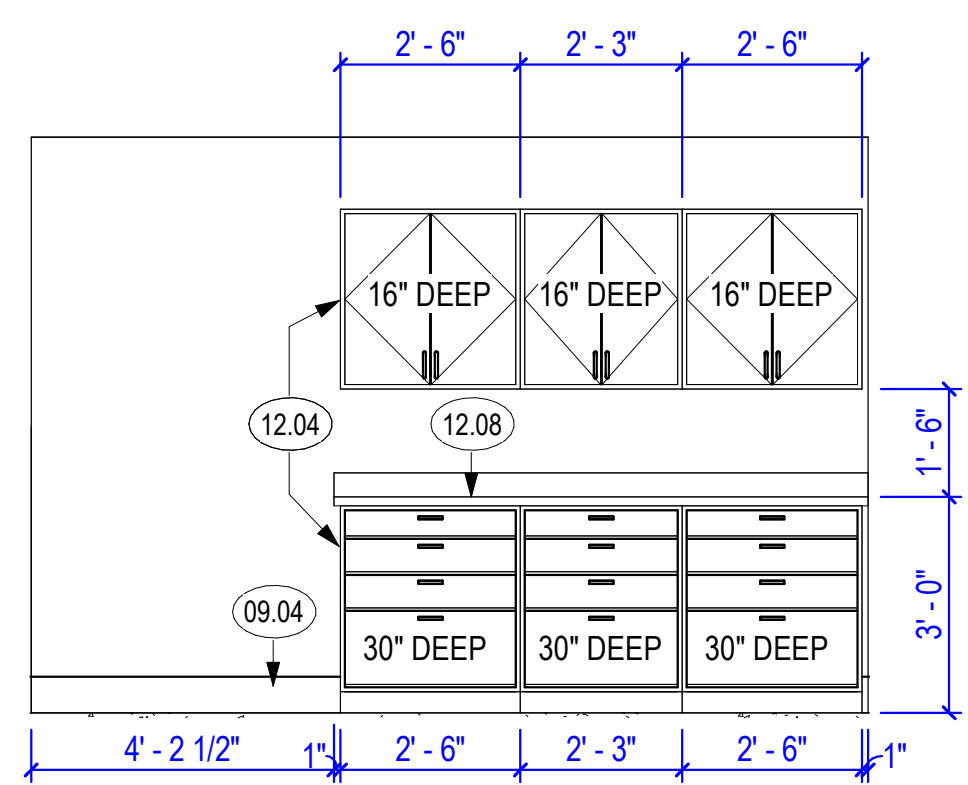
RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

INTERIOR WALL SECTIONS

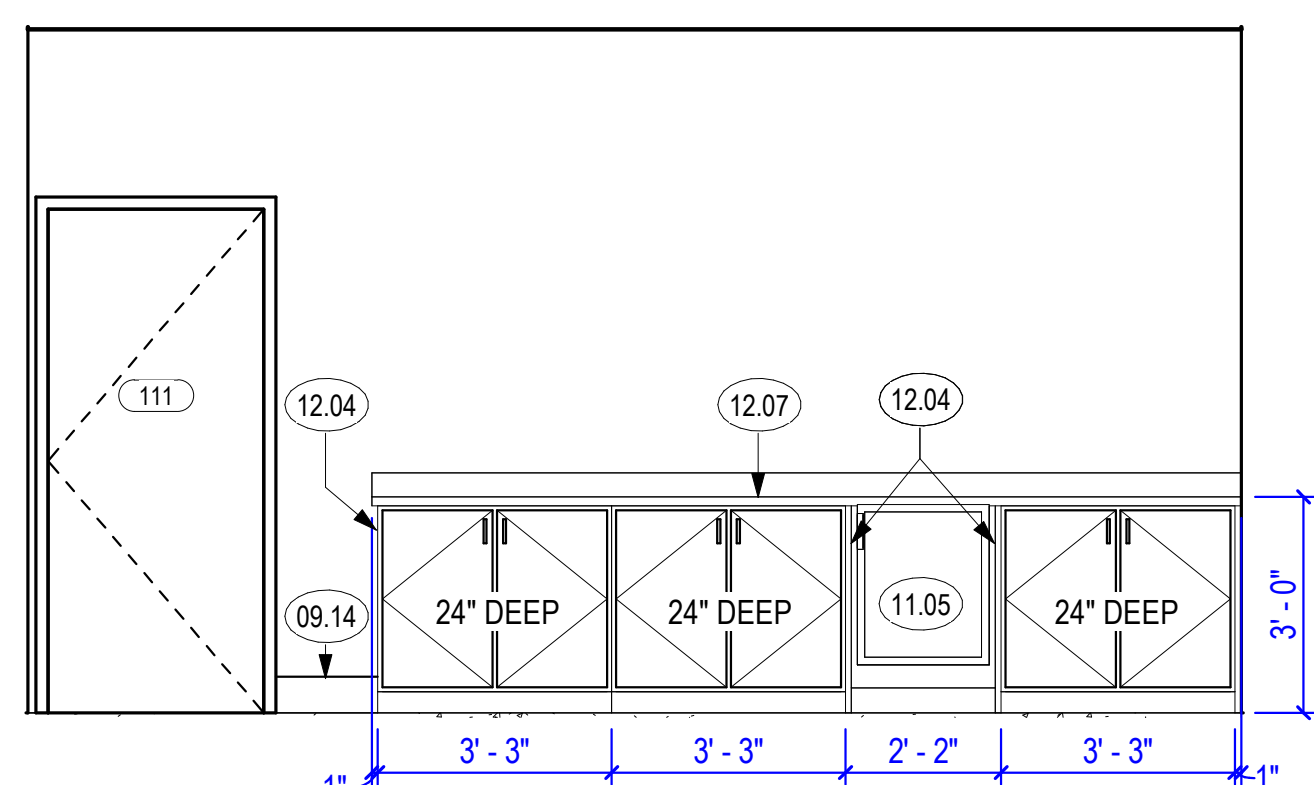
SHEET NUMBER
A-304



3 1ST FLOOR BREAK ROOM
3/8" = 1'-0"

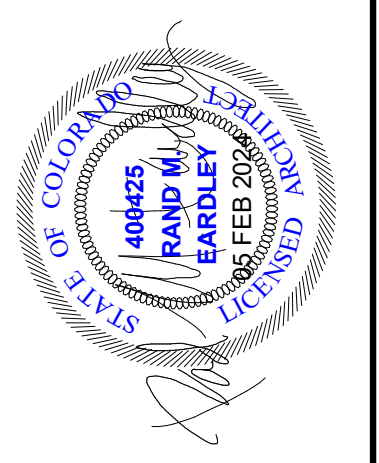


2 1ST FLOOR COPY AREA
3/8" = 1'-0"



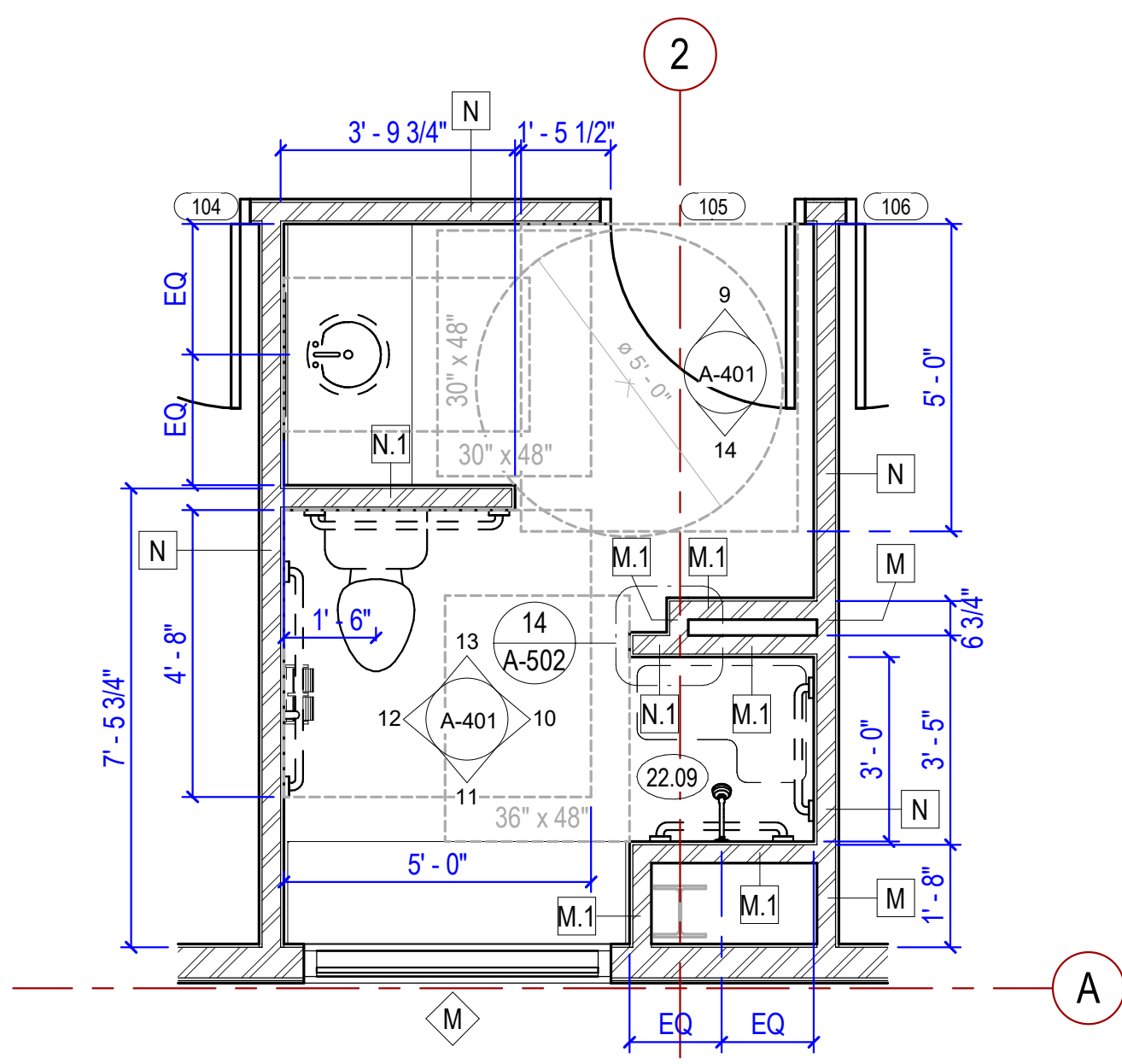
1 SMALL CONFERENCE ROOM - ELEVATION
3/8" = 1'-0"

- ### KEYED NOTES
- 06.25 ADA SINK APRON
 - 09.04 TILE WALL BASE
 - 09.05 FIBERGLASS REINFORCED PANELS
 - 09.14 RUBBER BASE
 - 10.07 NO SHARP OR ABRASIVE SURFACES ALLOWED UNDER SINK. INSULATE WATER SUPPLY AND DRAIN PIPES UNDER SINK WITH PROTECTIVE SLEEVE TO PROTECT AGAINST CONTACT
 - 10.08 GARMET HOOK
 - 10.09 ADA SHOWER BENCH
 - 10.10 ACCESSIBLE BENCH
 - 11.03 REFRIGERATOR
 - 11.05 MINI FRIDGE
 - 12.04 FINISH CABINET SIDE PANEL
 - 12.07 25" DEEP COUNTER
 - 12.08 31" DEEP COUNTER
 - 22.09 SHOWERS WITH TILED WALLS REQUIRE A PORTLAND CEMENT APPLICATION, FIBERED-CEMENT OR GLASS MAT GYPSUM BACKER; GREEN BOARD IS NO LONGER ALLOWED. SHOWERS SHALL BE FINISHED TO A HEIGHT OF NOT LESS THAN 72" ABOVE THE FLOOR. MATERIALS SHALL BE NON-ABSORBENT
 - 22.12 MOP SINK, SEE PLUMBING DRAWINGS
 - 22.14 UTILITY SINK WITH EYEWASH ATTACHMENT ON FAUCET, SEE PLUMBING DRAWINGS

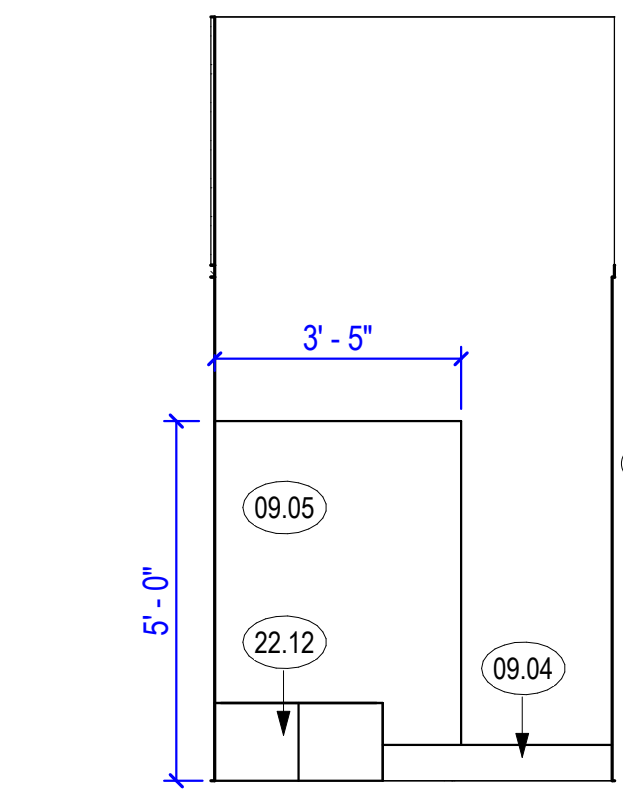


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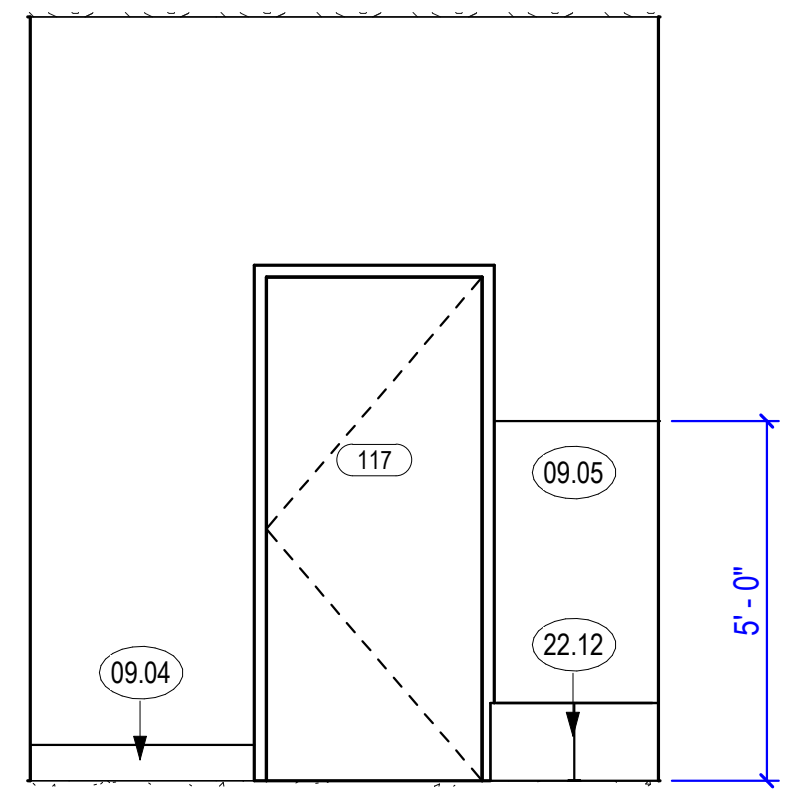
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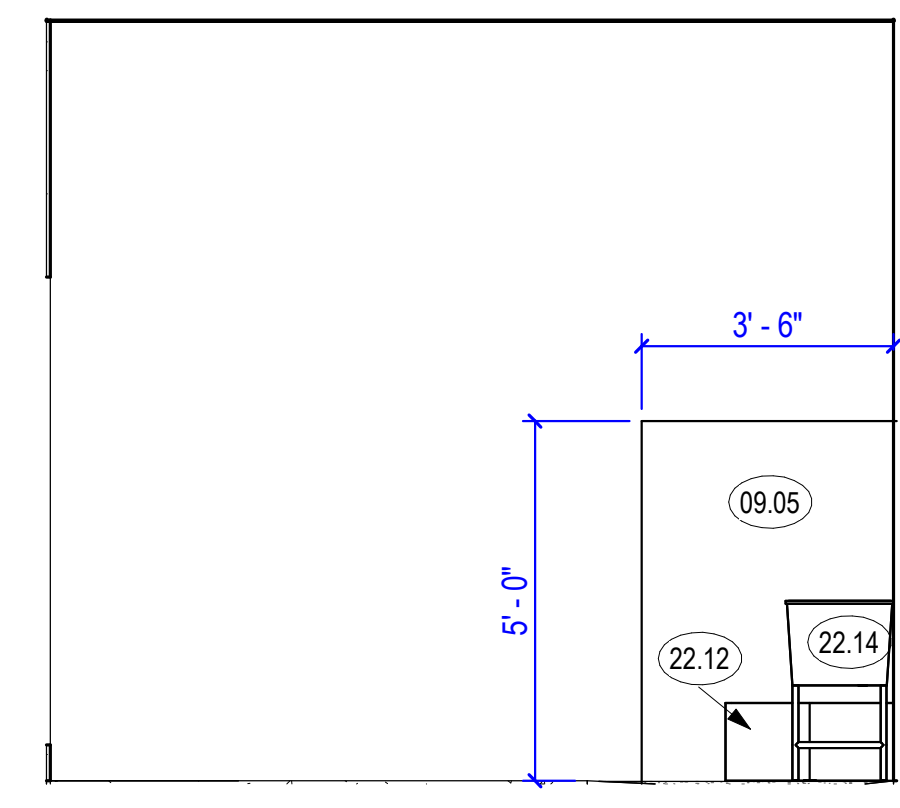
8 ENLARGED SHOWER ROOM
3/8" = 1'-0"



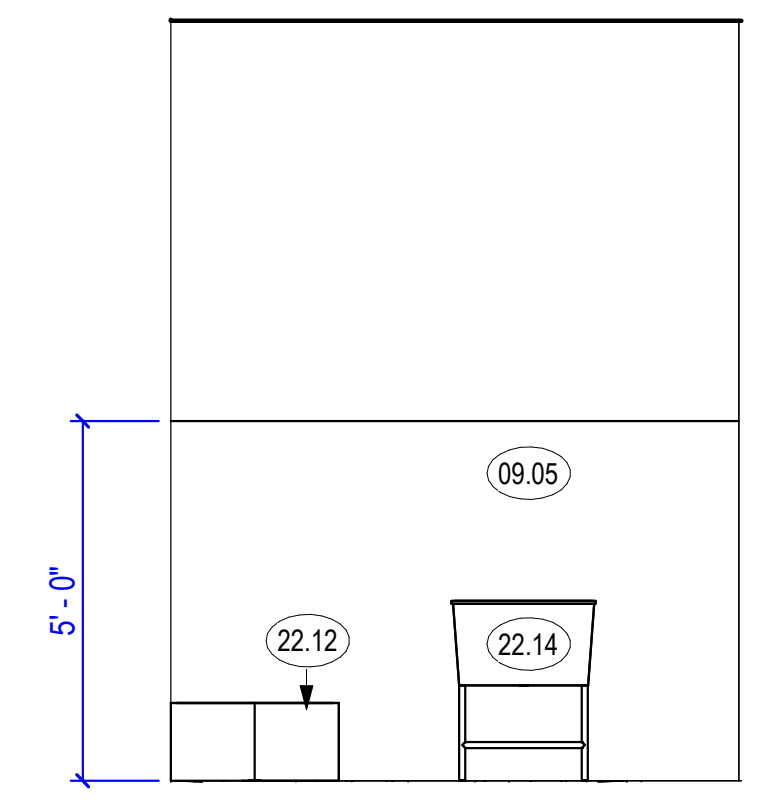
7 1ST FLOOR JANITOR - NORTH
3/8" = 1'-0"



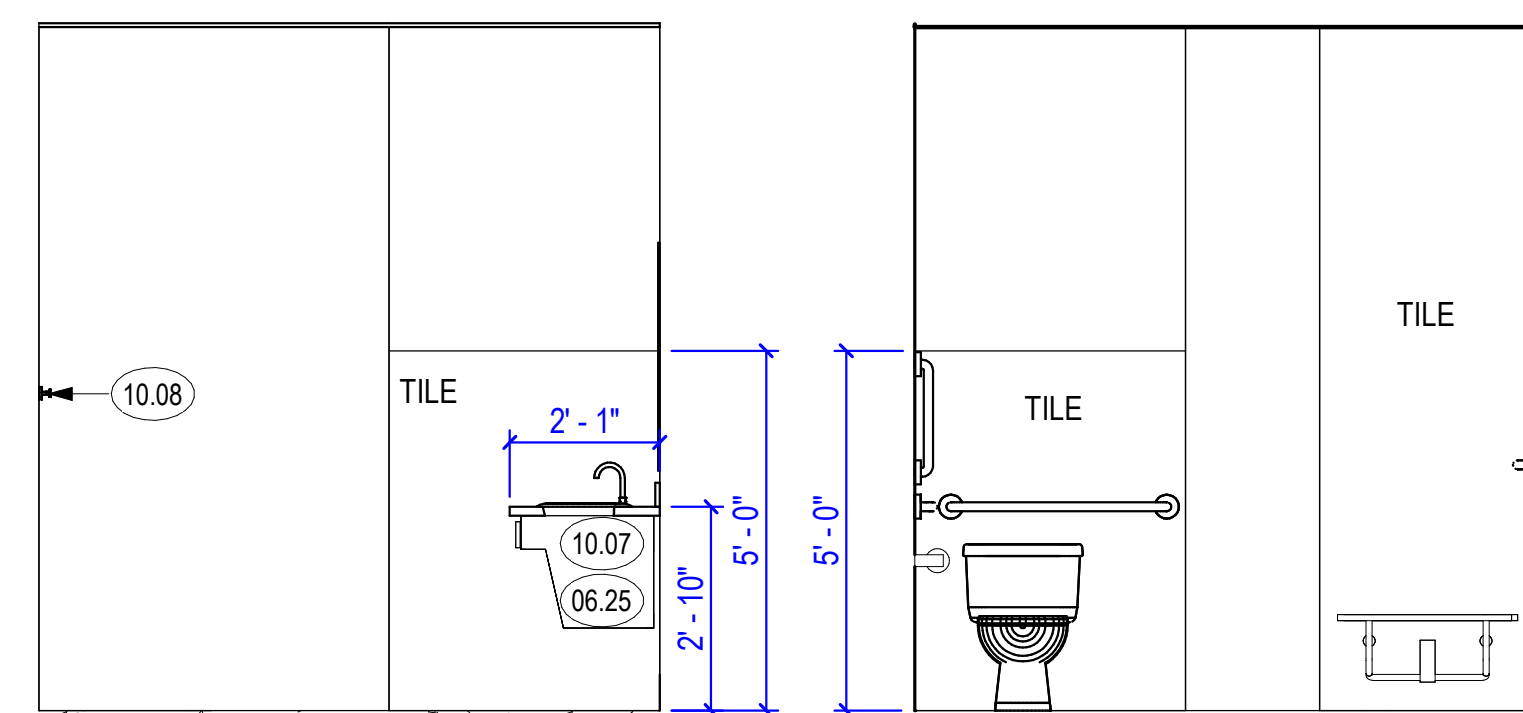
6 1ST FLOOR JANITOR - WEST
3/8" = 1'-0"



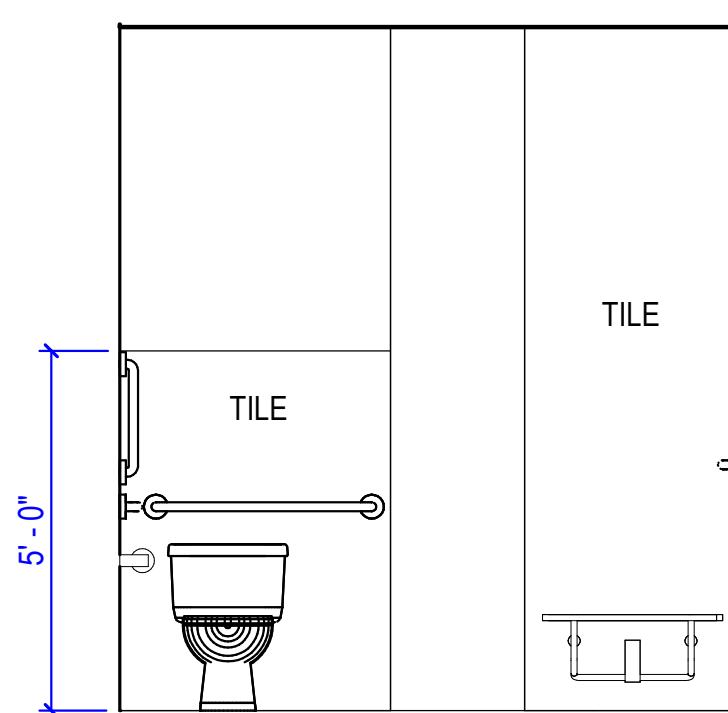
5 FIRE RISER - WEST
3/8" = 1'-0"



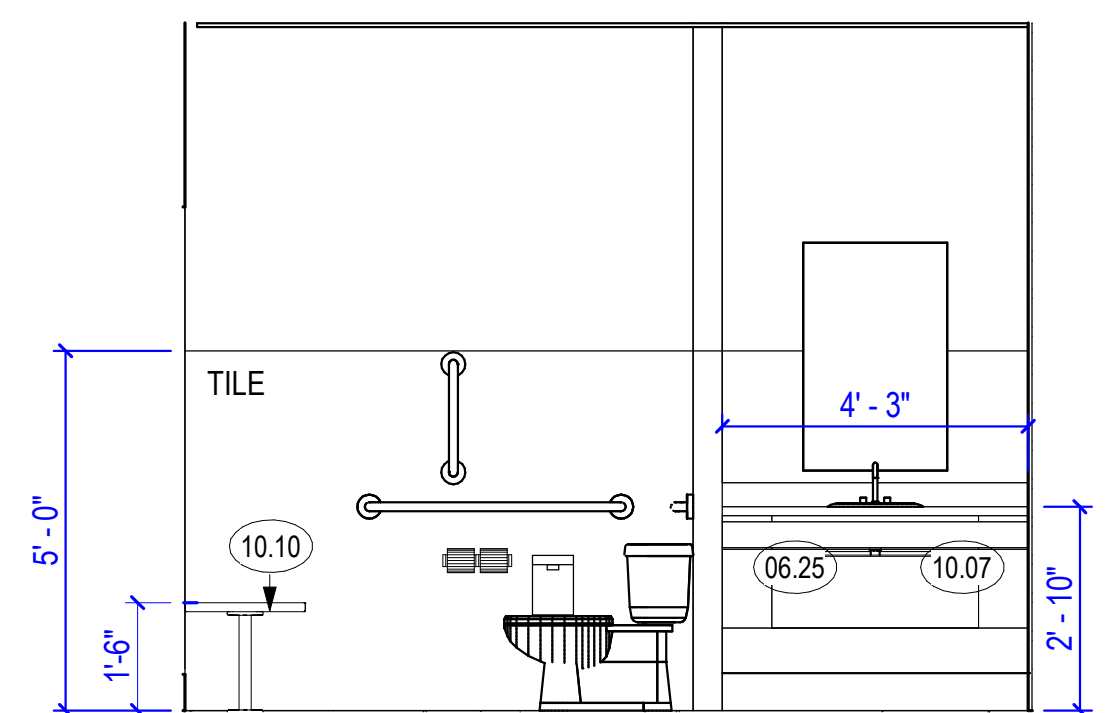
4 FIRE RISER - NORTH
3/8" = 1'-0"



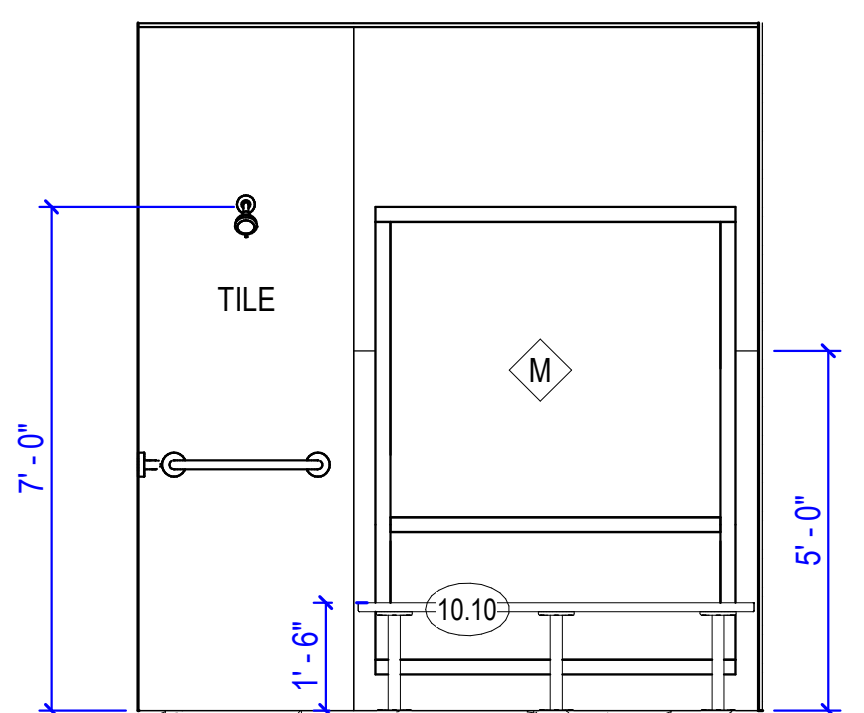
14 UNISEX SHOWER - SINK SOUTH
3/8" = 1'-0"



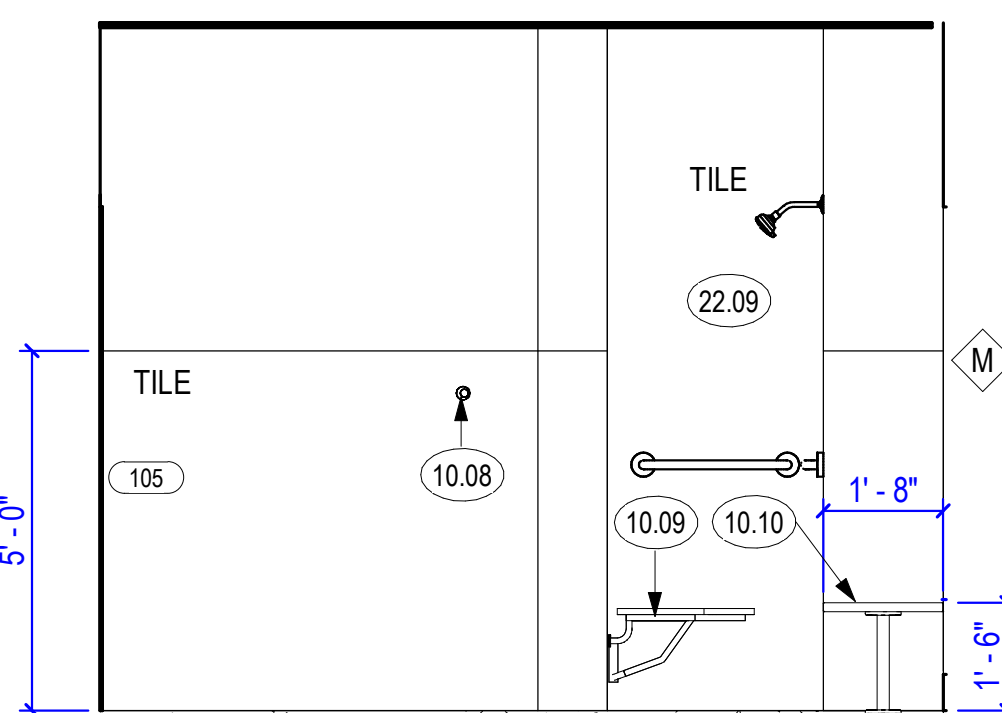
13 UNISEX SHOWER - SHOWER NORTH
3/8" = 1'-0"



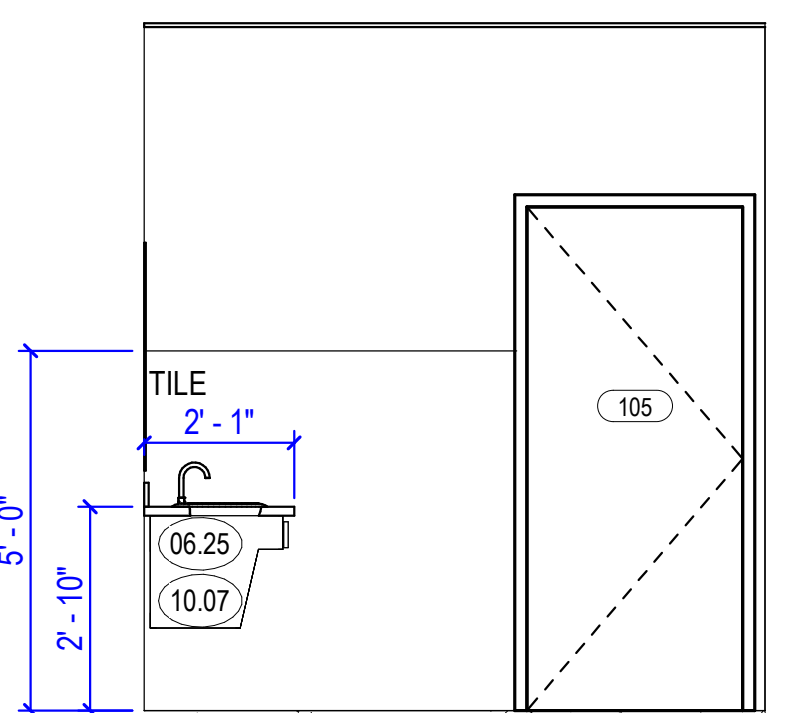
12 UNISEX SHOWER - WEST
3/8" = 1'-0"



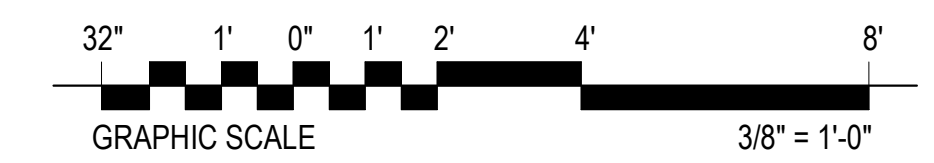
11 UNISEX SHOWER - SHOWER SOUTH
3/8" = 1'-0"



10 UNISEX SHOWER - EAST
3/8" = 1'-0"



9 UNISEX SHOWER - SINK NORTH
3/8" = 1'-0"



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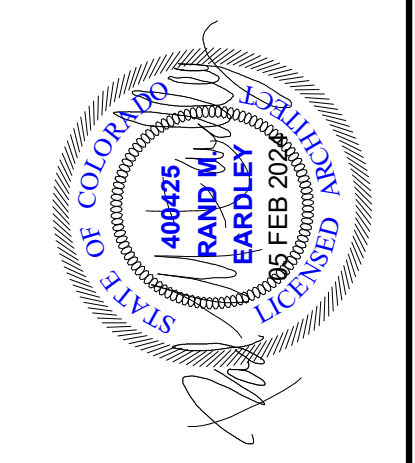
SHEET NUMBER
A-401

INTERIOR ELEVATION GENERAL NOTES

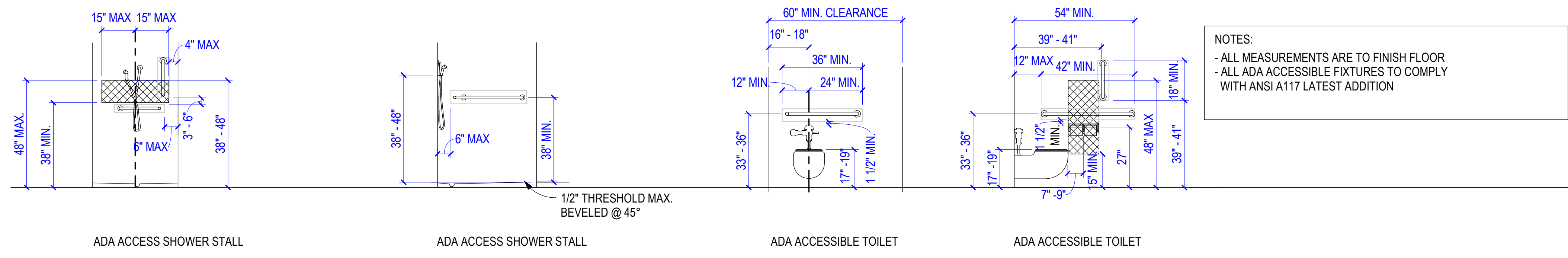
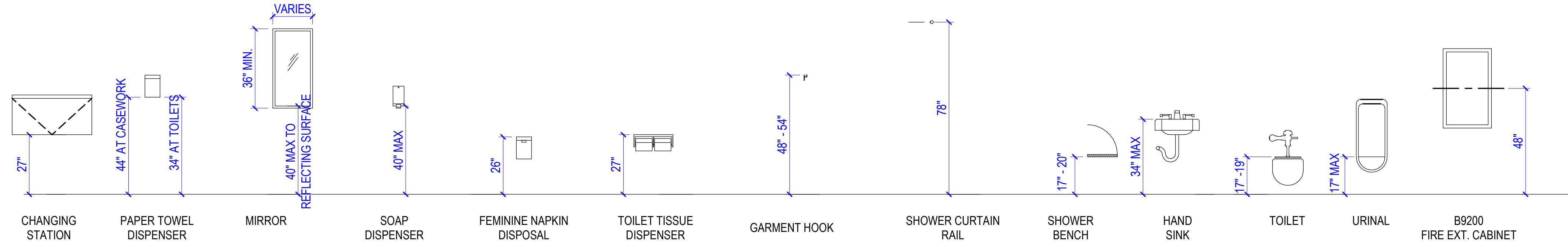
- 1. ALL DIMENSIONS ARE TO FACE OF STUD IN NEW CONSTRUCTION, FACE OF FINISH IN EXISTING.
- 2. COORDINATE LOCATIONS OF ALL FLOOR WITH PLUMBING PLANS.

KEYED NOTES

- 09.04 TILE WALL BASE
- 09.14 RUBBER BASE
- 09.15 1/4" CEMENT BOARD TILE BACKING AT FLOOR, SECOND FLOOR ONLY
- 10.07 NO SHARP OR ABRASIVE SURFACES ALLOWED UNDER SINK, INSULATE WATER SUPPLY AND DRAIN PIPES UNDER SINK WITH PROTECTIVE SLEEVE TO PROTECT AGAINST CONTACT
- 10.08 GARMET HOOK
- 11.03 REFRIGERATOR
- 11.05 MINI FRIDGE
- 12.04 FINISH CABINET SIDE PANEL
- 12.06 22" DEEP COUNTER
- 12.07 25" DEEP COUNTER
- 12.08 31" DEEP COUNTER
- 22.13 DRINKING FOUNTAIN

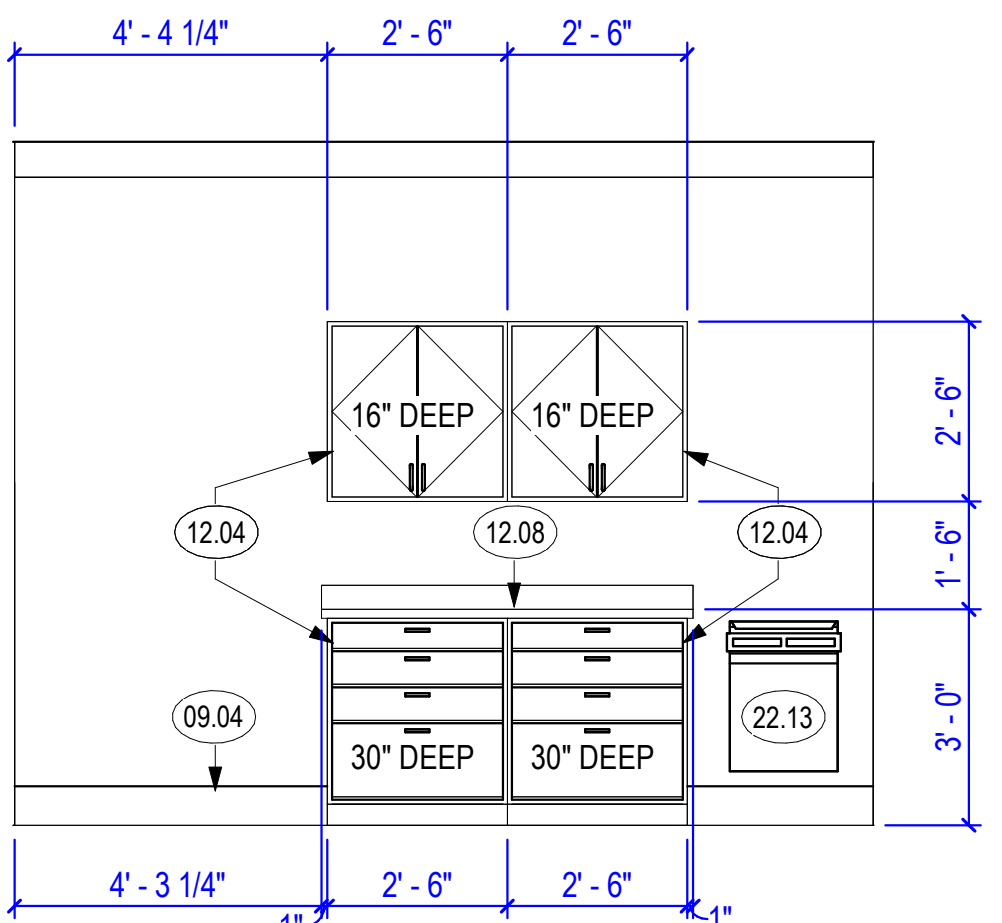


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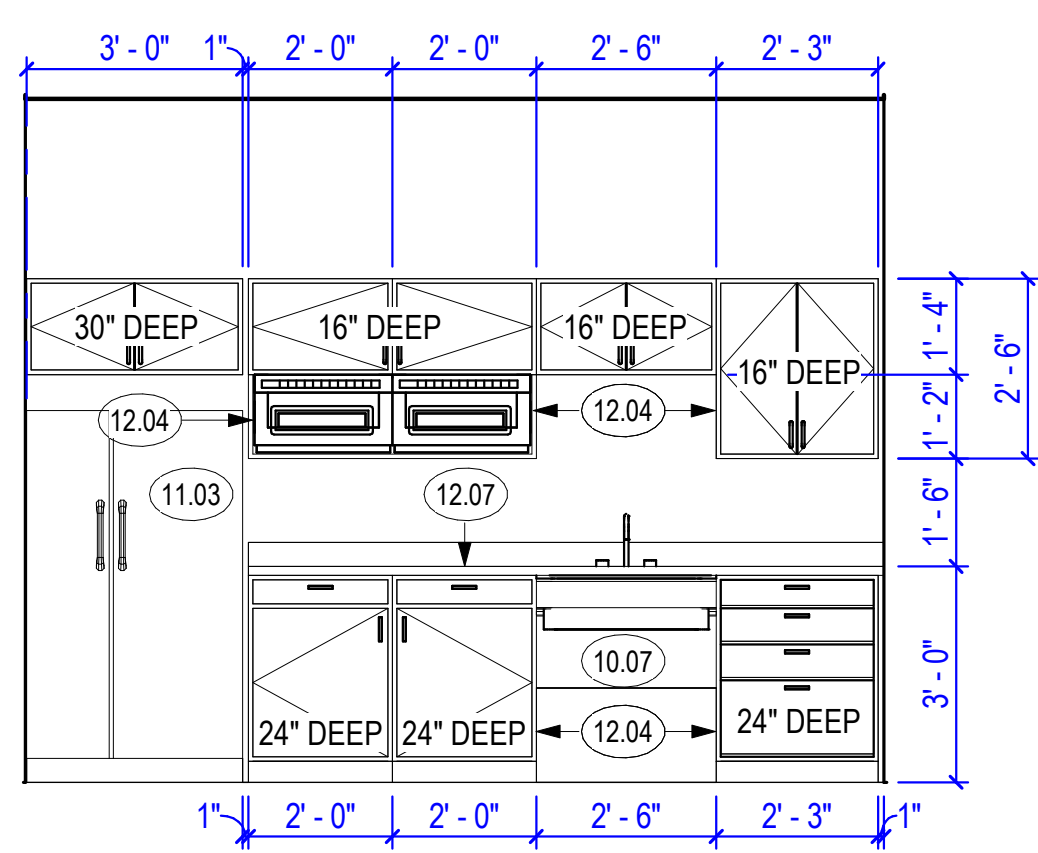


NOTES:
 - ALL MEASUREMENTS ARE TO FINISH FLOOR
 - ALL ADA ACCESSIBLE FIXTURES TO COMPLY WITH ANSI A117 LATEST ADDITION

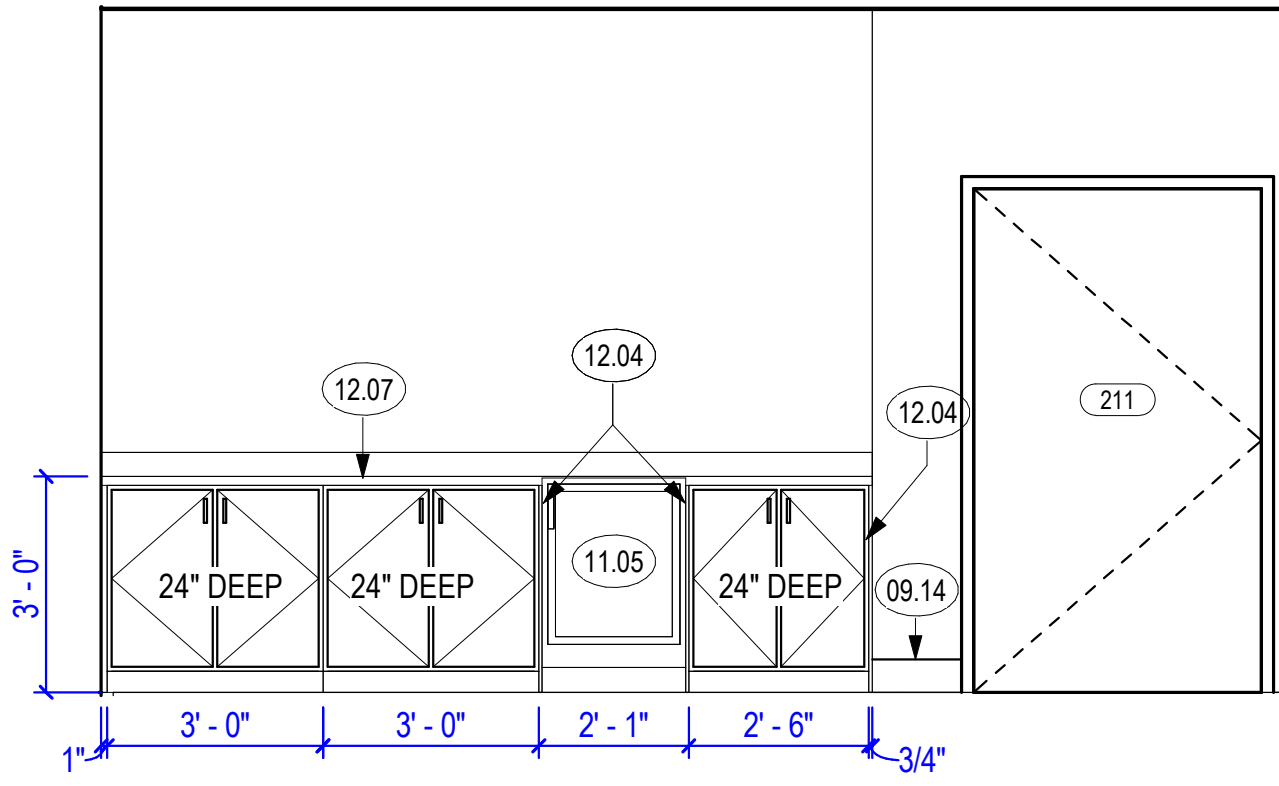
TYPICAL TOILET ACCESSORIES



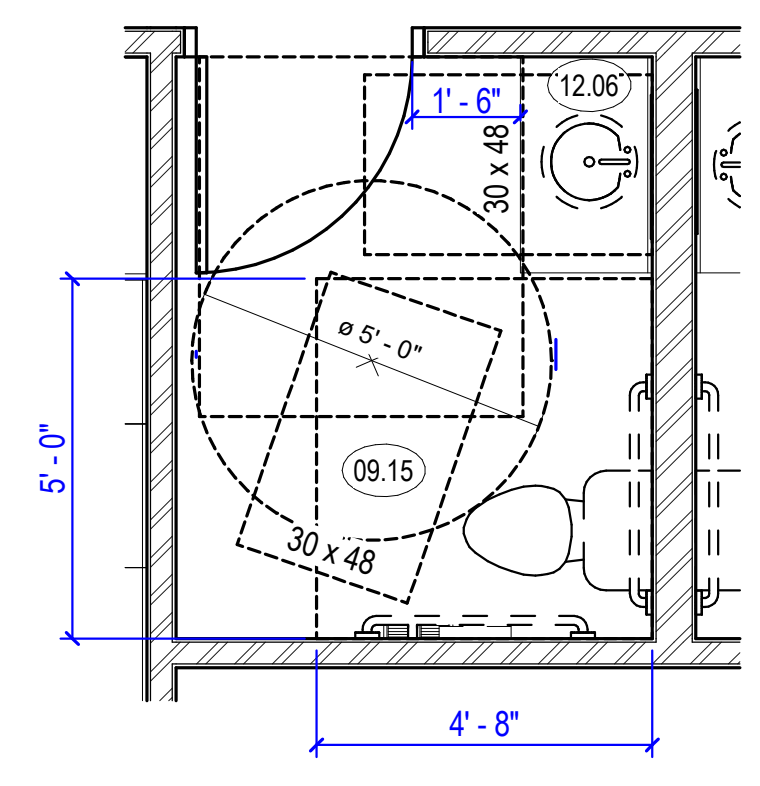
3 2ND FLOOR COPY AREA
3/8" = 1'-0"



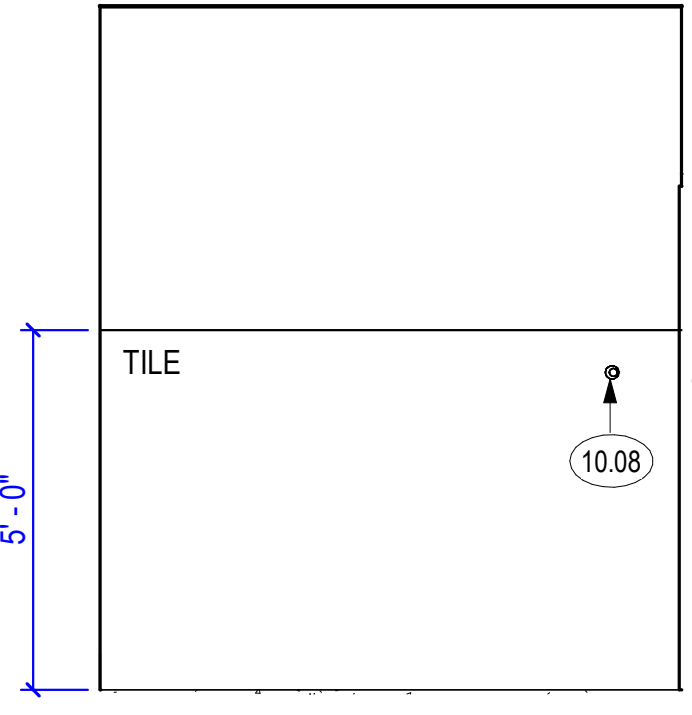
2 2ND FLOOR BREAKROOM
3/8" = 1'-0"



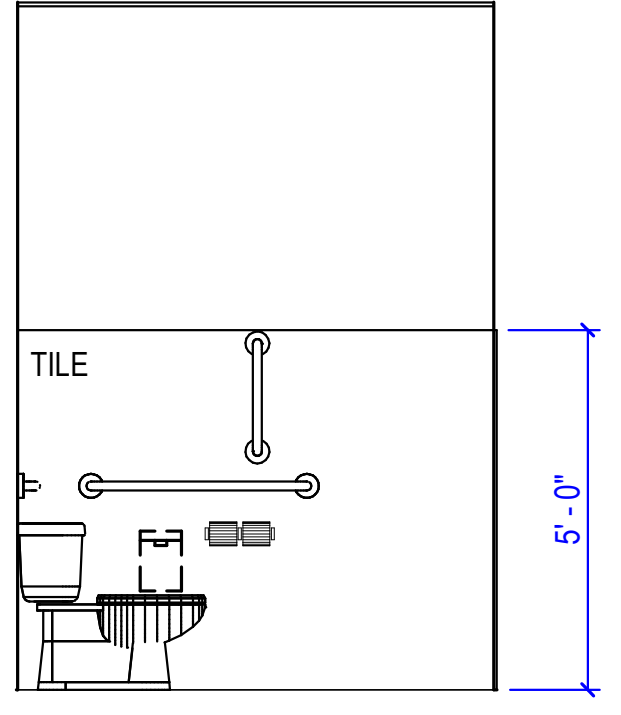
1 LARGE WORK ROOM - WEST
3/8" = 1'-0"



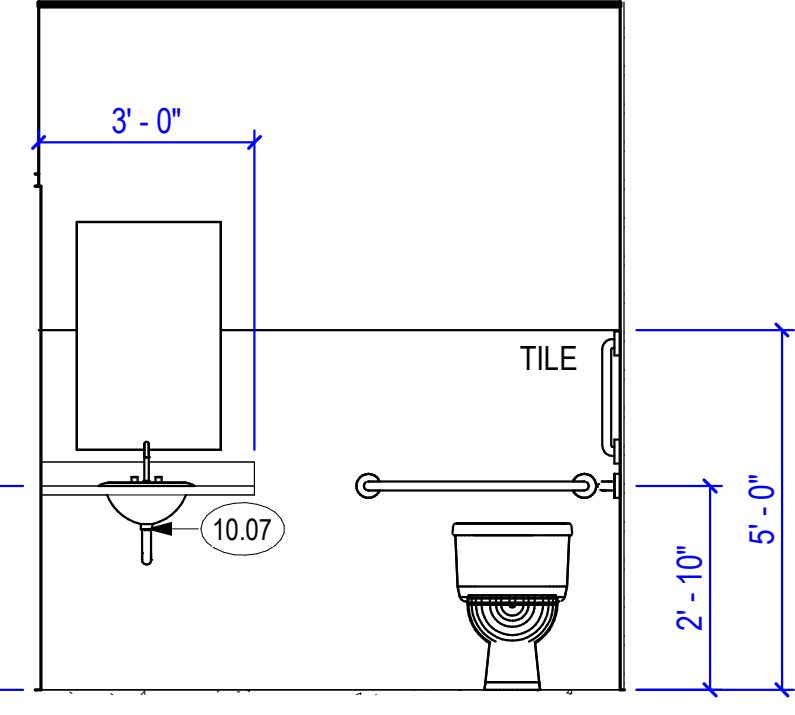
14 TYPICAL RESTROOM PLAN
3/8" = 1'-0"



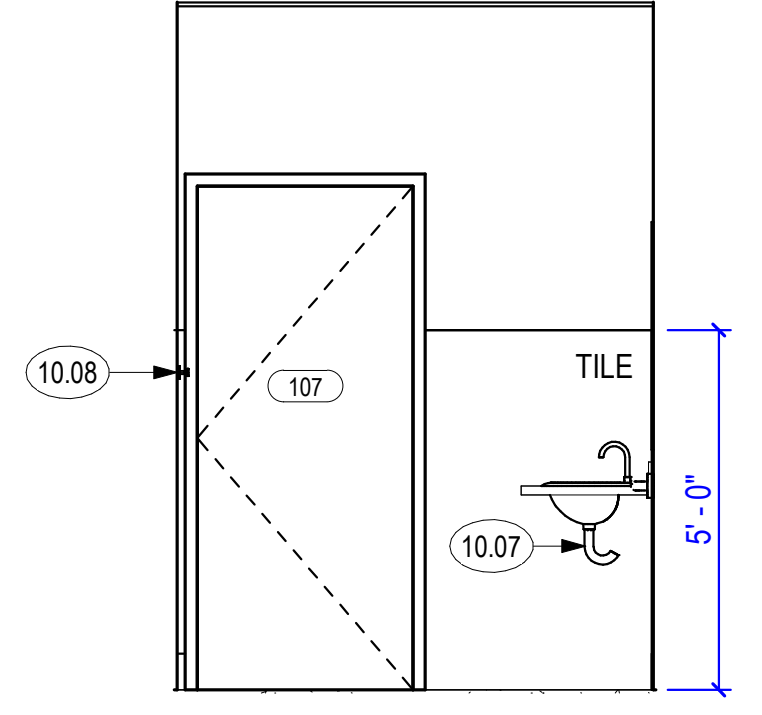
13 TYPICAL RESTROOM HINGE SIDE WALL
3/8" = 1'-0"



12 TYPICAL RESTROOM BACK WALL
3/8" = 1'-0"



10 TYPICAL RESTROOM PLUMBING WALL
3/8" = 1'-0"



11 TYPICAL RESTROOM ENTRY WALL
3/8" = 1'-0"



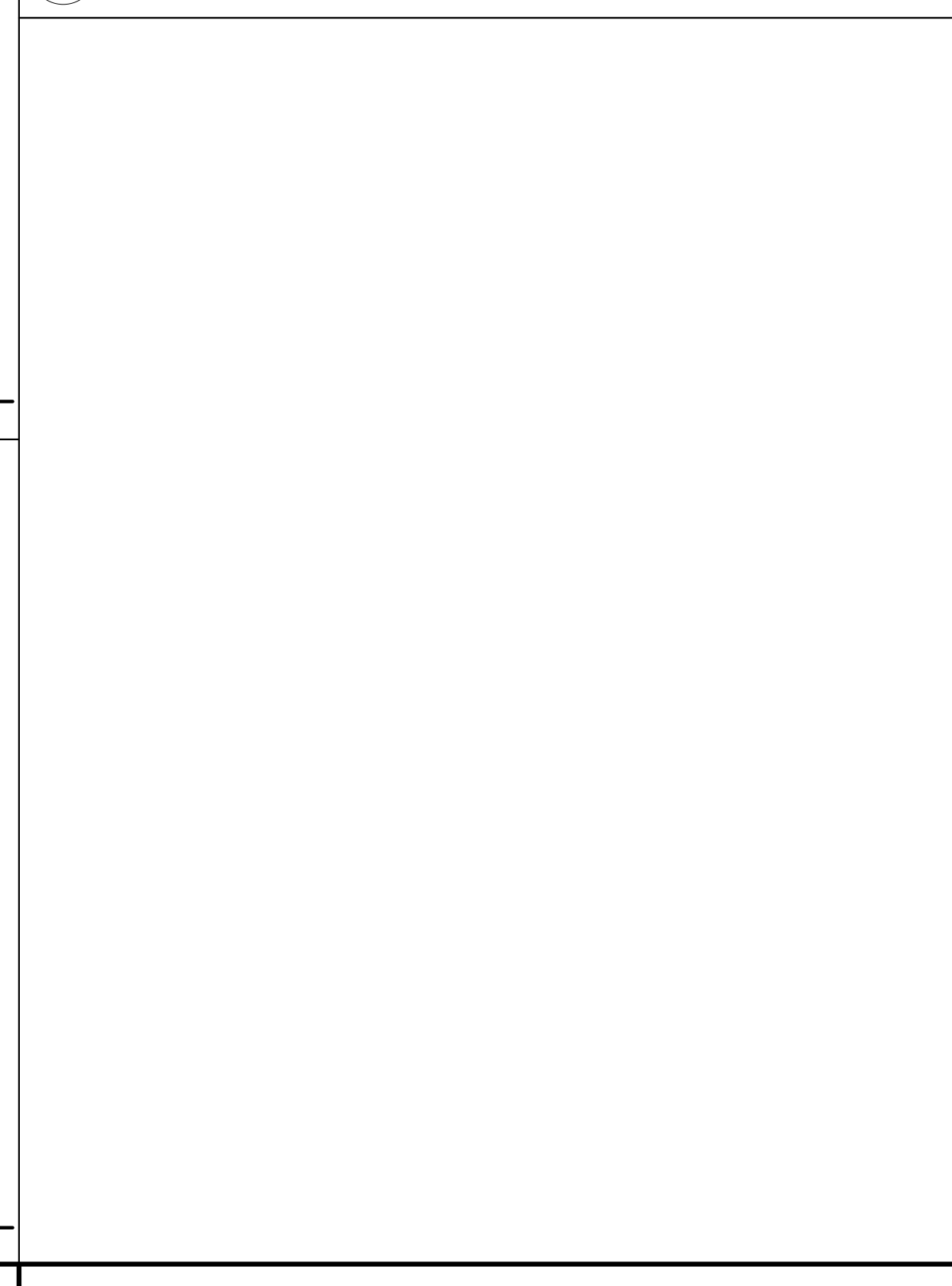
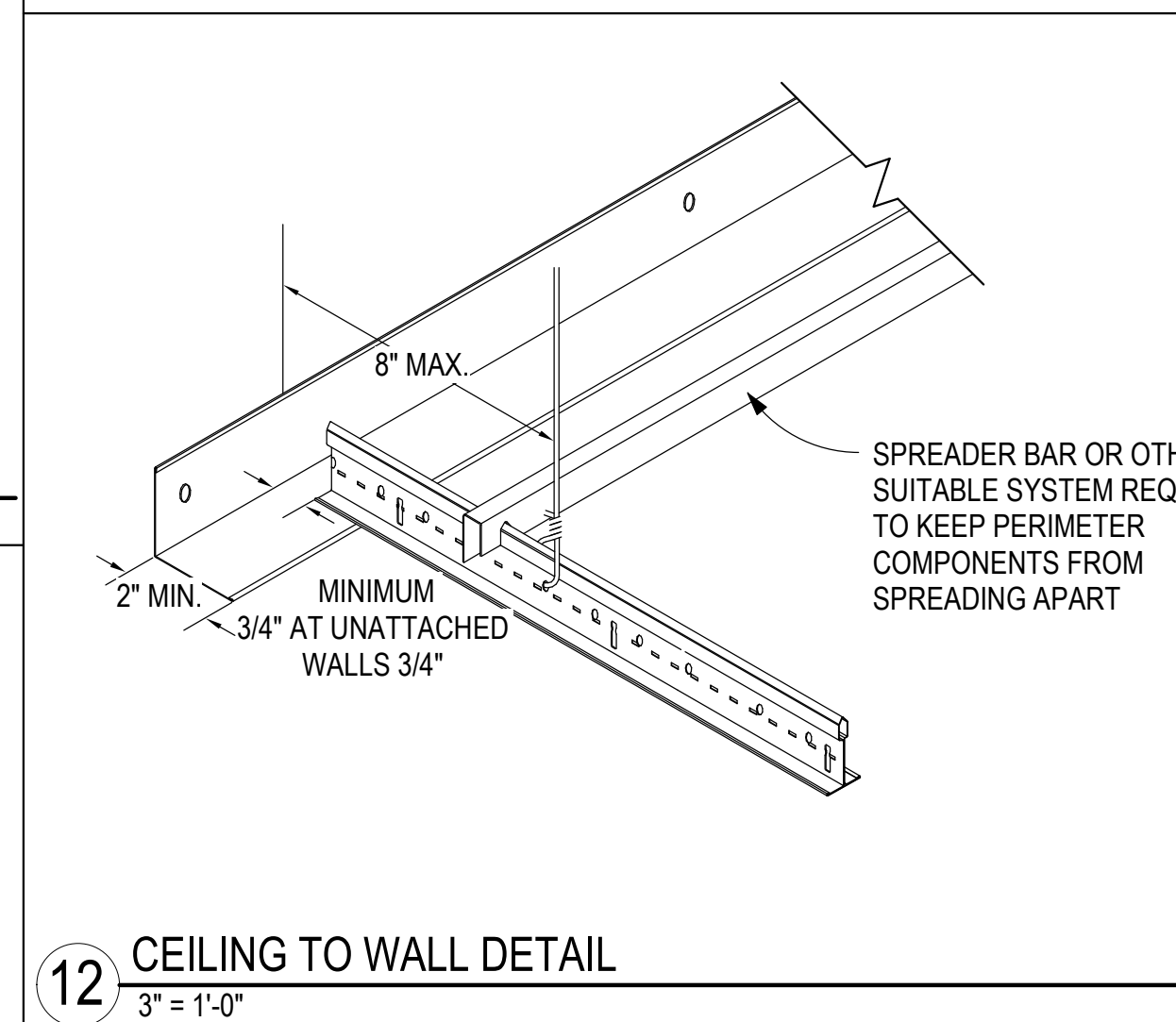
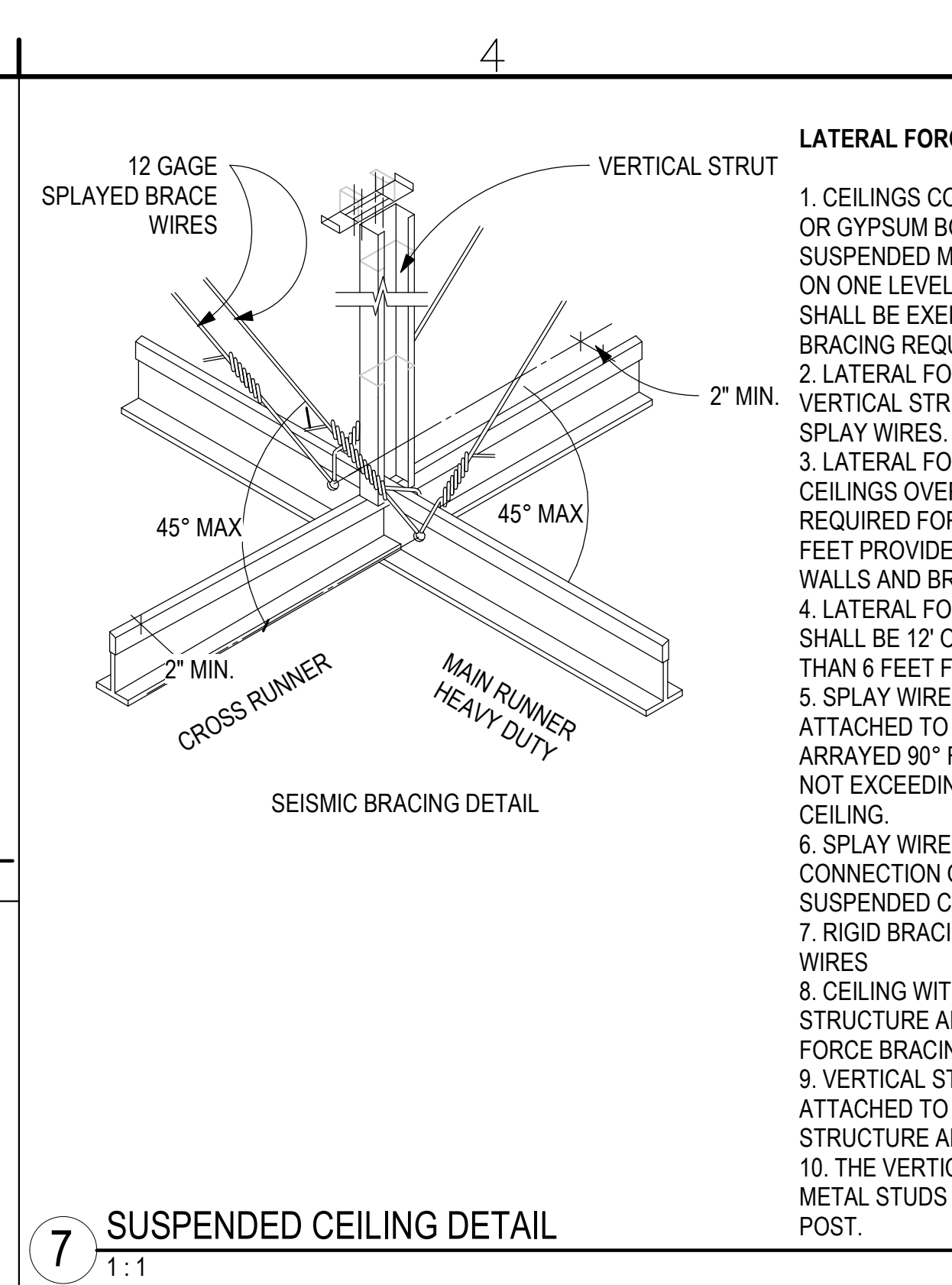
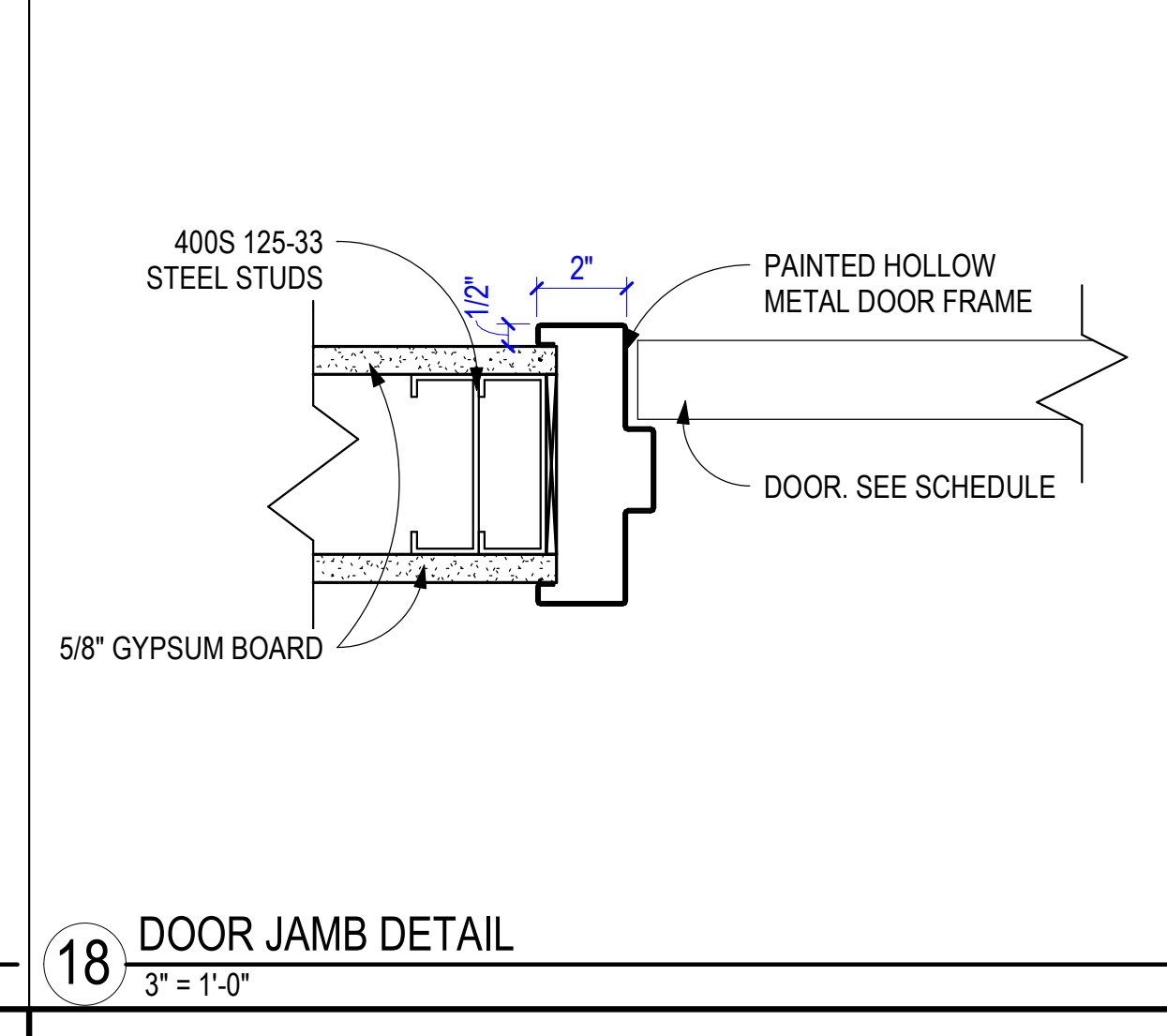
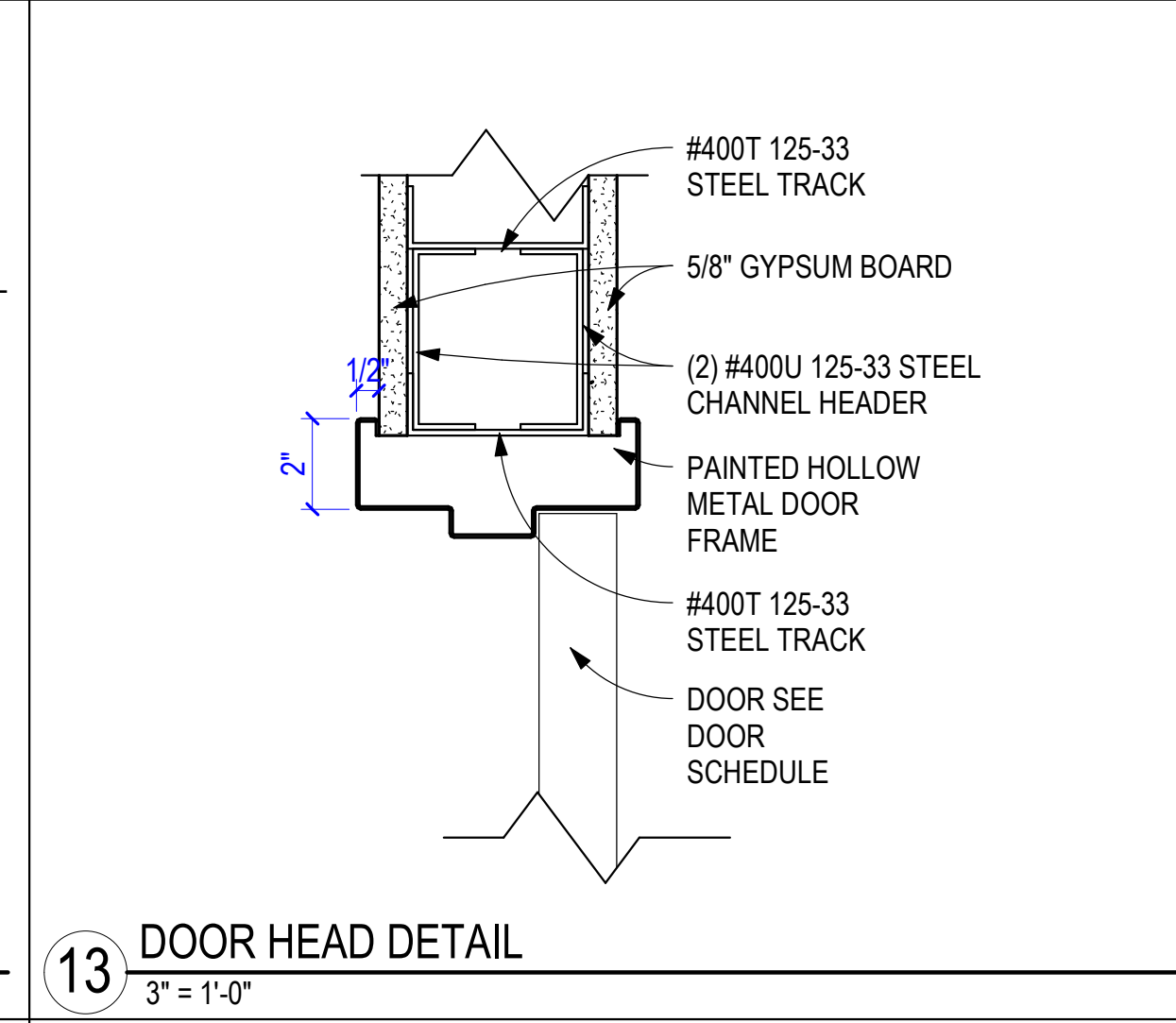
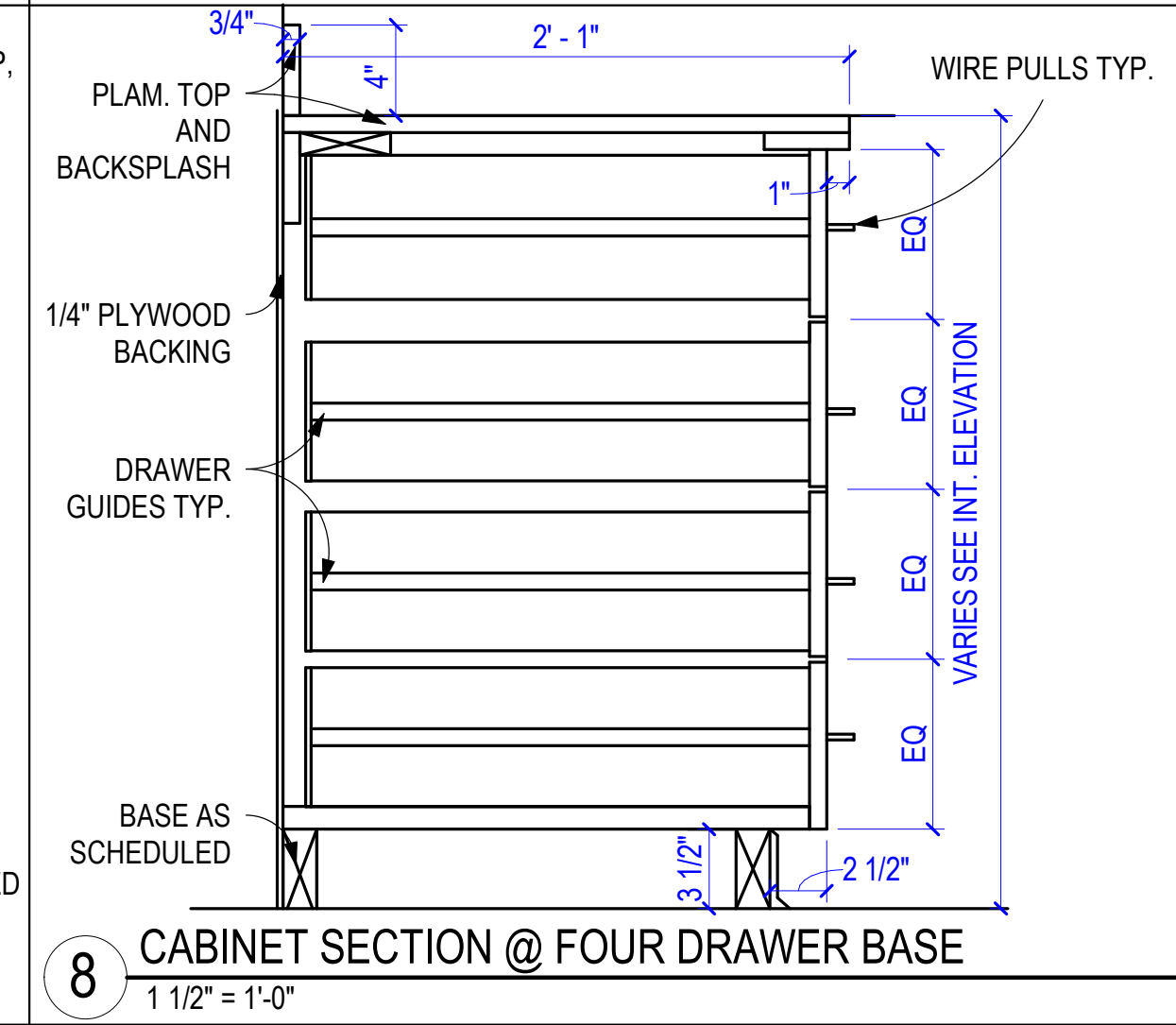
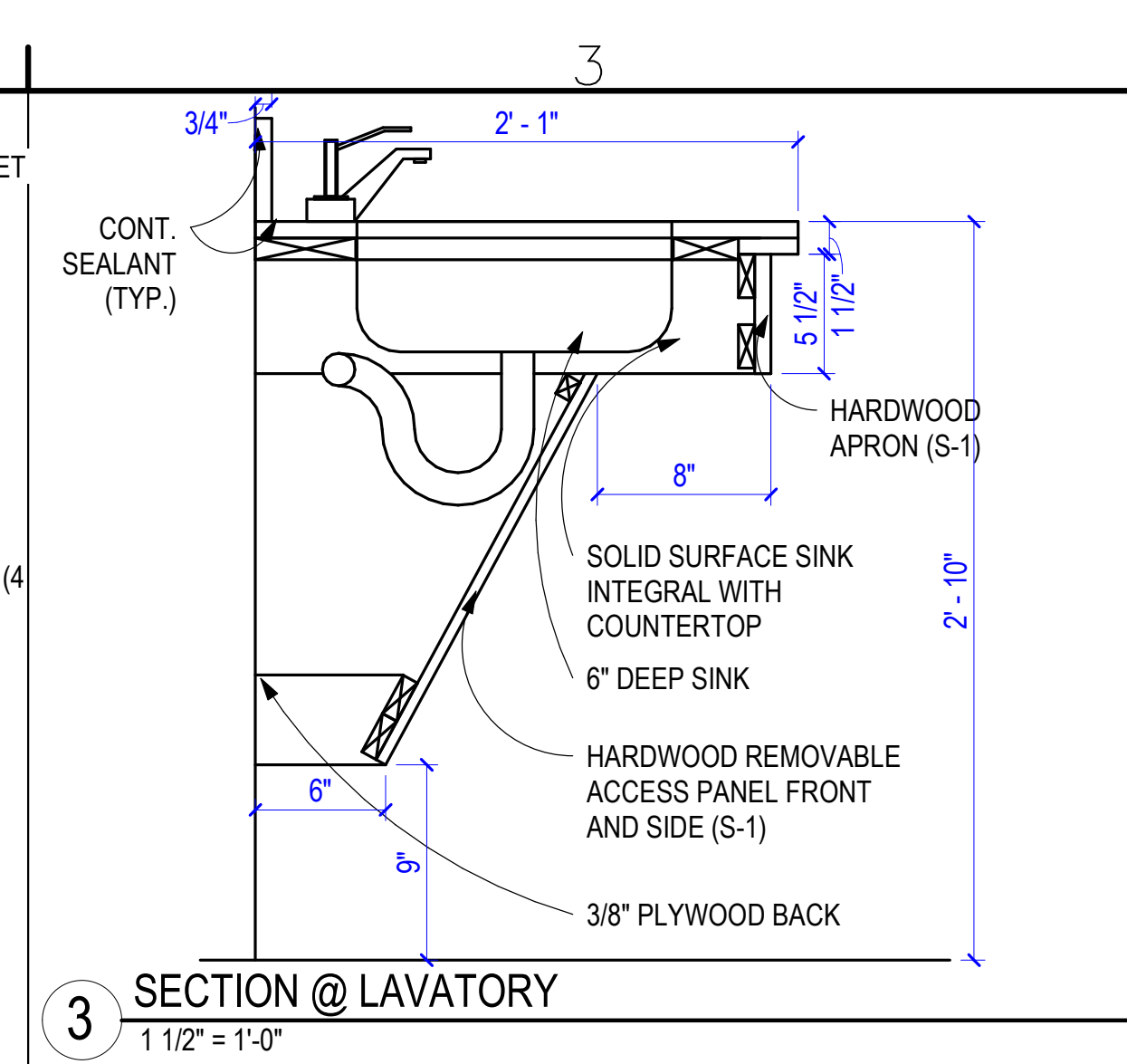
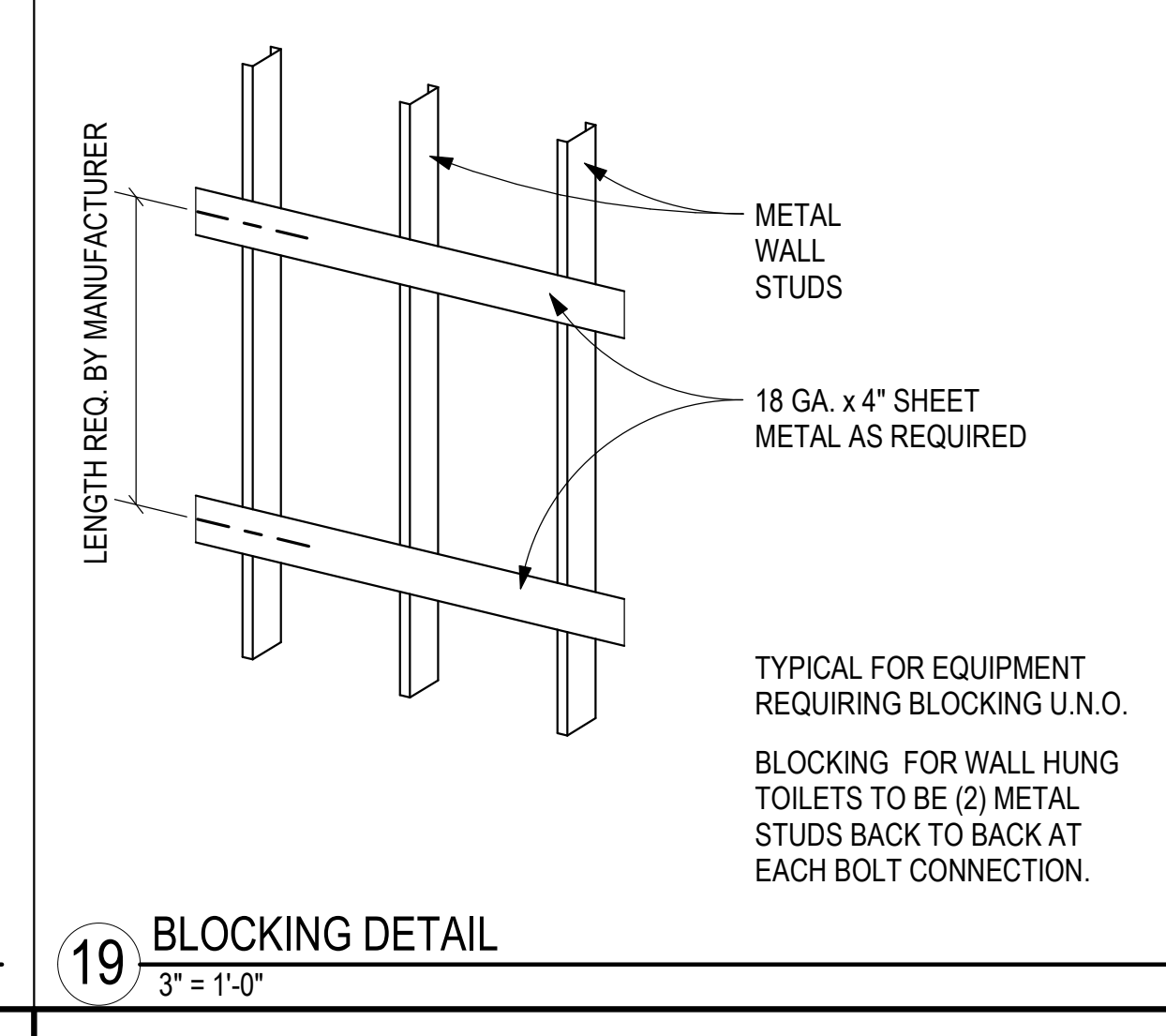
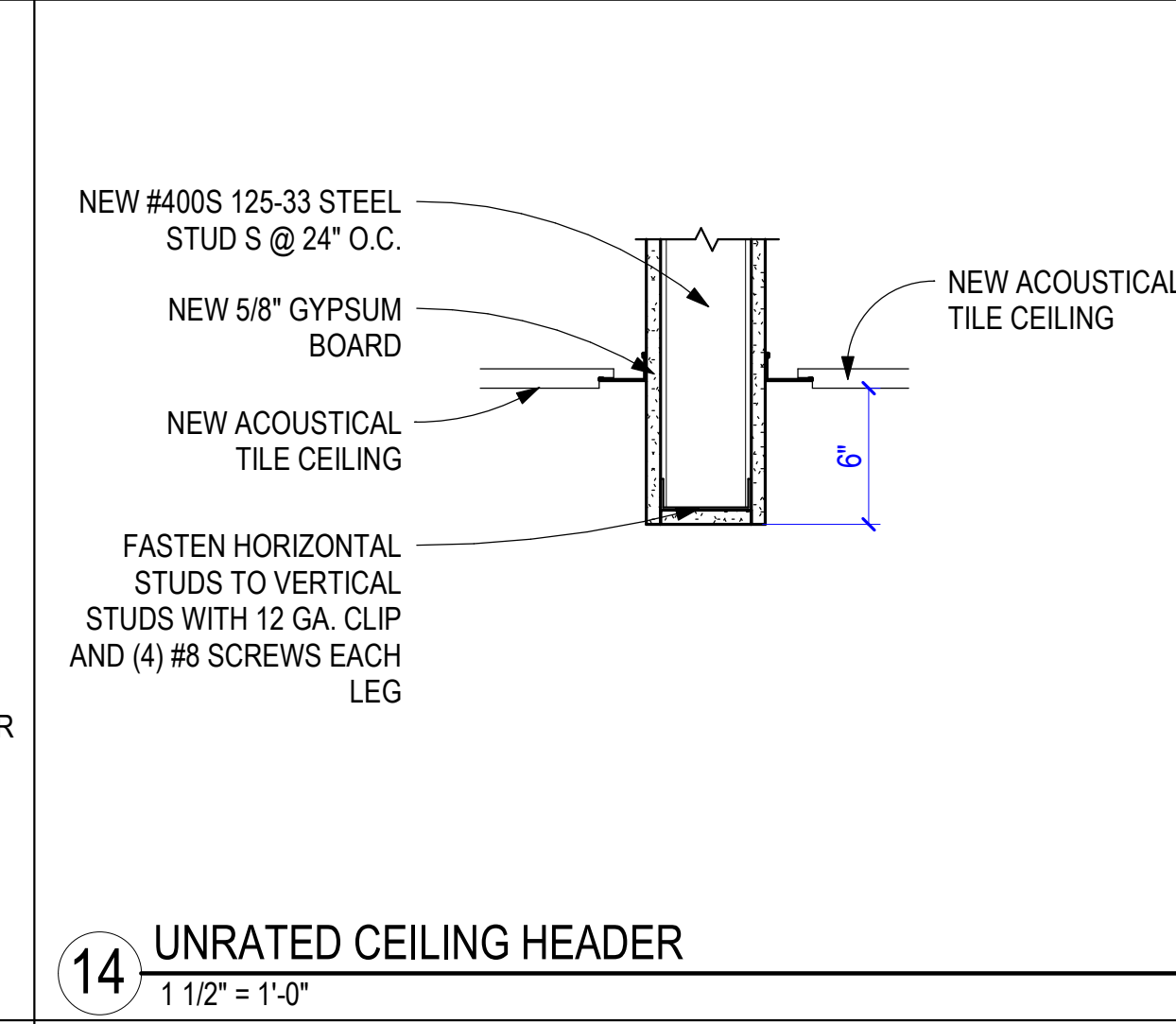
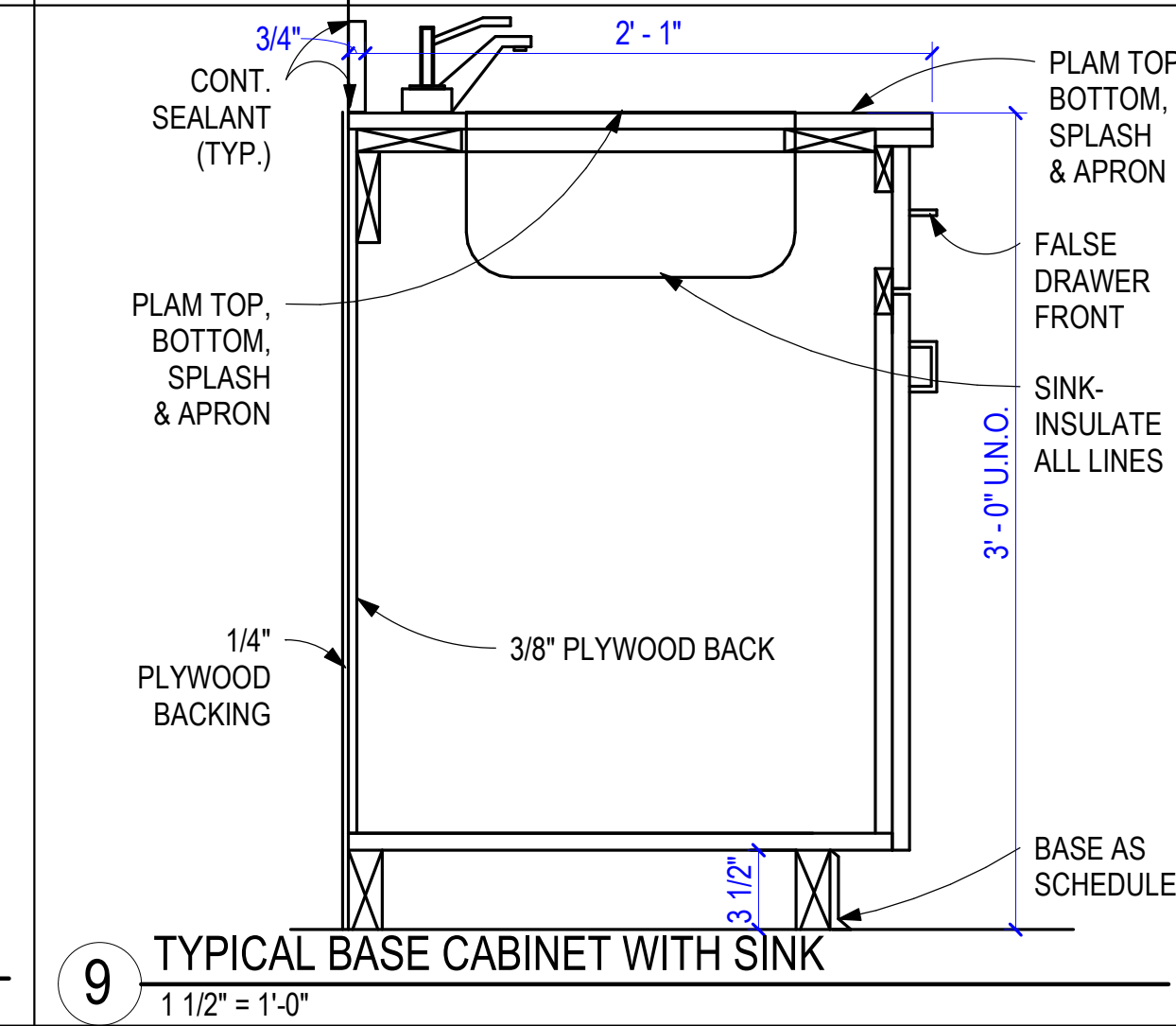
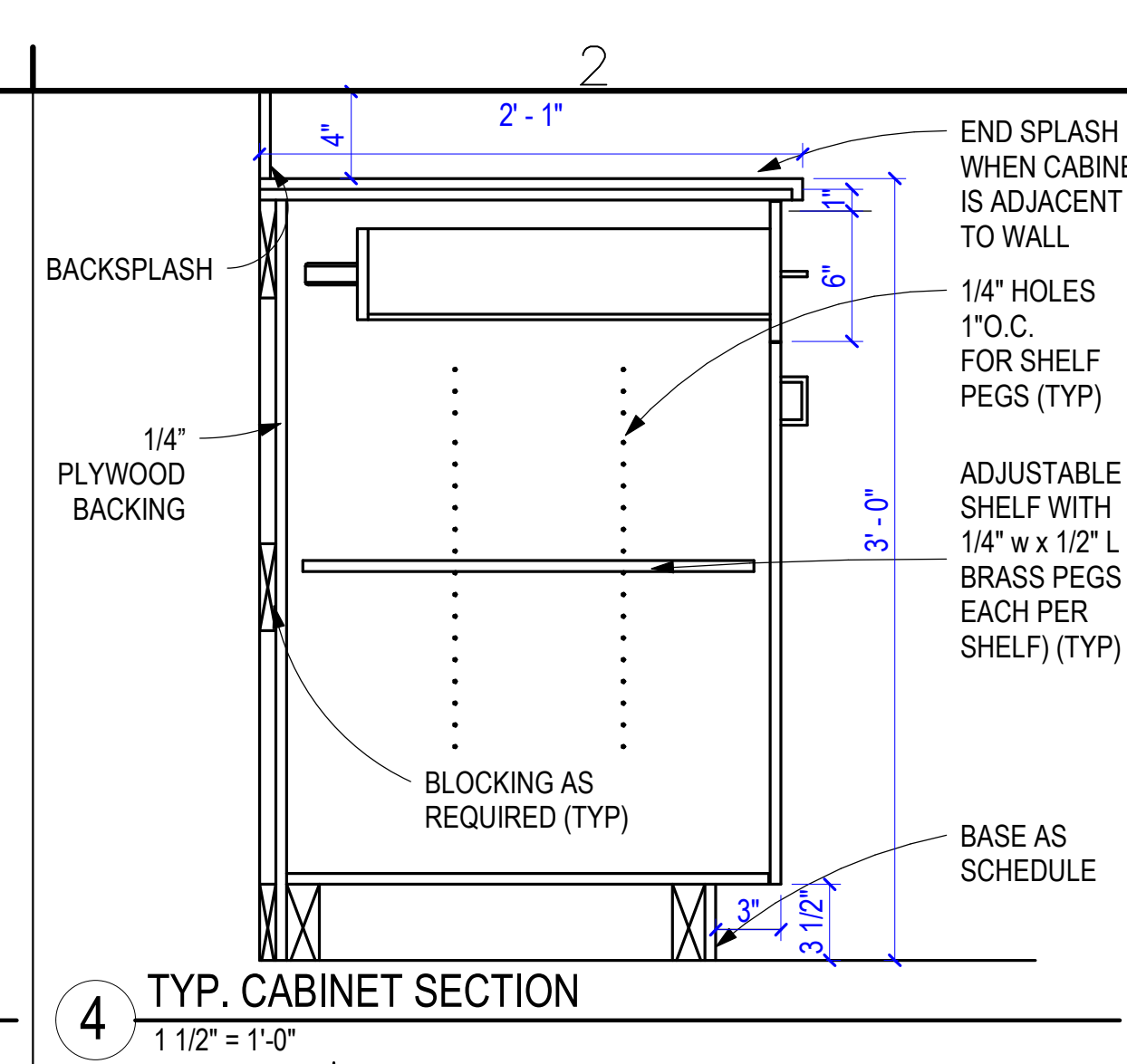
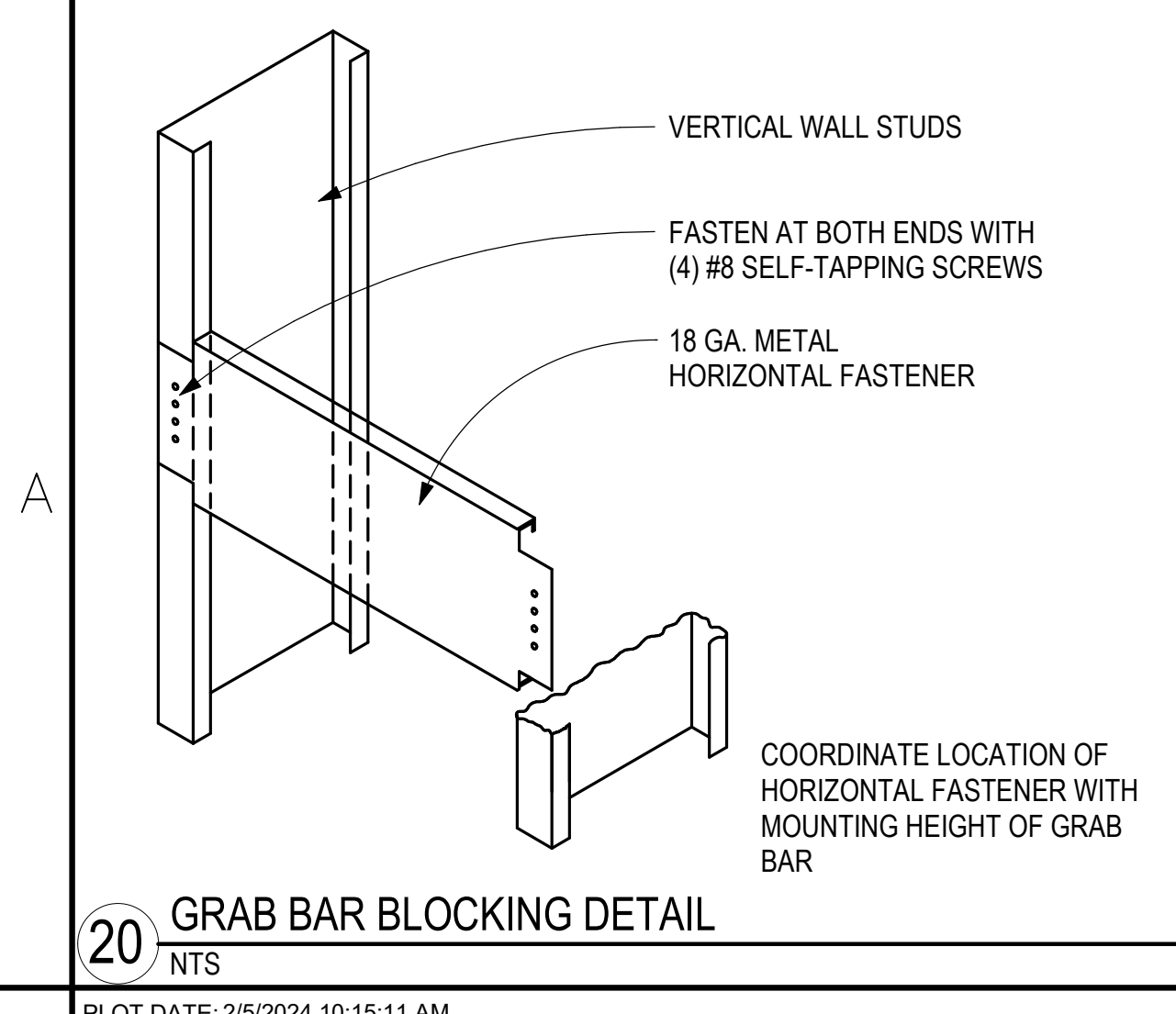
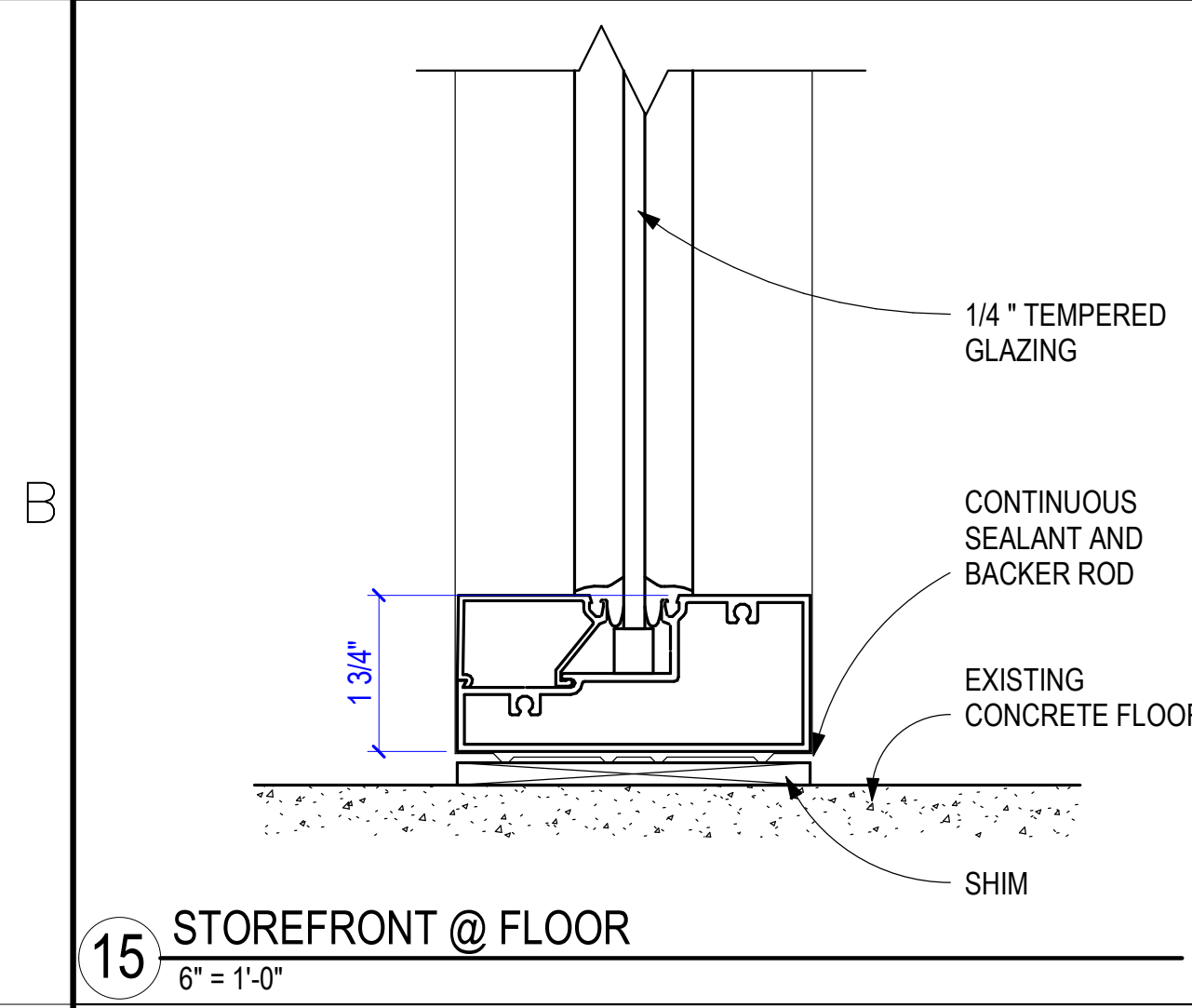
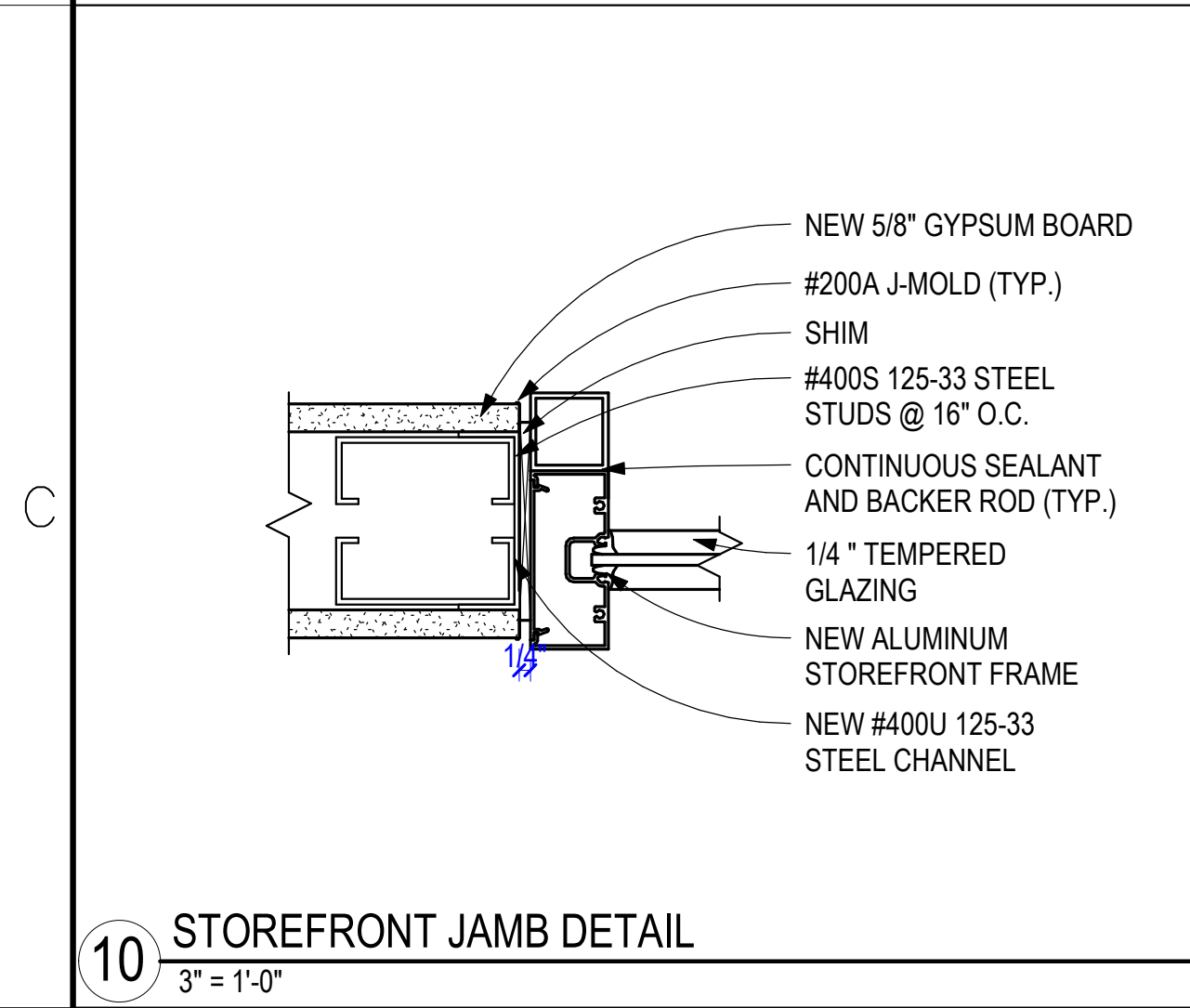
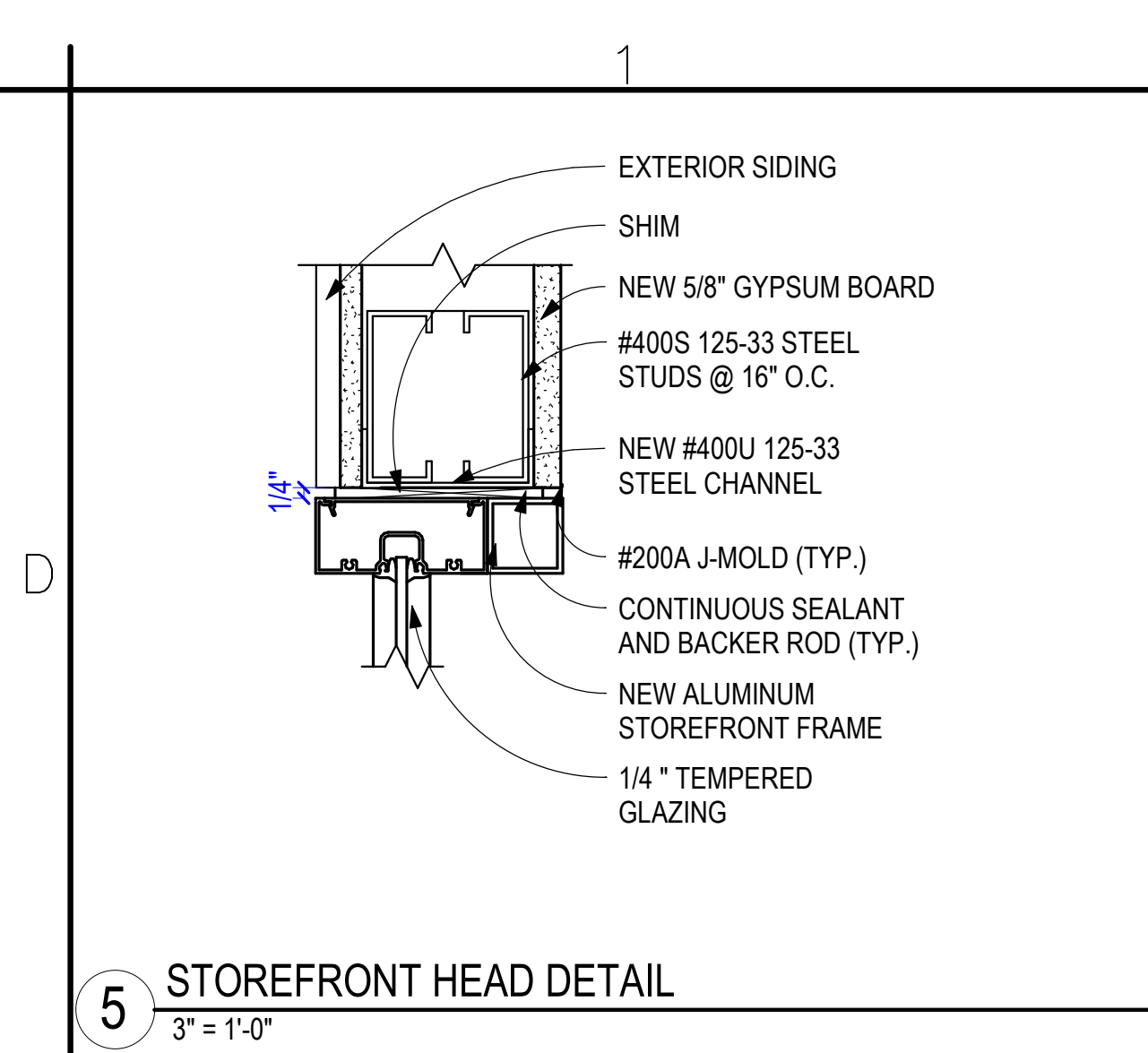
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| | 05 FEB 2024 | | As indicated | |

Designed by: RME
 Drawn by: WAR
 Reviewed by: JTP
 Submitted by:

RCH Valley
 Real Color Holdings, LLC
 875 Valley St
 Colorado Springs, CO
 80915

ENLARGED PLANS AND INTERIOR ELEVATIONS

SHEET NUMBER
A-402



LATERAL FORCE BRACING

1. CEILINGS CONSTRUCTED OF LATH AND PLASTER OR GYPSUM BOARD, SCREW OR NAIL ATTACHED TO SUSPENDED MEMBERS THAT SUPPORT A CEILING ON ONE LEVEL EXTENDING FROM WALL TO WALL SHALL BE EXEMPT FROM THE LATERAL FORCE BRACING REQUIREMENTS.
2. LATERAL FORCE BRACING IS THE USE OF VERTICAL STRUTS (COMPRESSION POSTS) AND SPLAY WIRES.
3. LATERAL FORCE BRACING IS REQUIRED FOR CEILINGS OVER 1,000 SQUARE FEET AND NOT REQUIRED FOR CEILINGS LESS THAN 1,000 SQUARE FEET PROVIDED THEY ARE SURROUNDED BY FOUR WALLS AND BRACED TO STRUCTURE.
4. LATERAL FORCE BRACING AND VERTICAL STRUT SHALL BE 12" O.C. (MAX) AND BEGIN NO FARTHER THAN 6 FEET FROM WALLS.
5. SPLAY WIRES ARE TO BE FOUR 12 GAGE WIRES ATTACHED TO THE MAIN BEAM. WIRES ARE ARRAYED 90° FROM EACH OTHER AND AT AN ANGLE NOT EXCEEDING 45° FROM THE PLANE OF THE CEILING.
6. SPLAY WIRES ARE TO BE WITHIN 2" OF THE CONNECTION OF THE VERTICAL STRUT TO SUSPENDED CEILING.
7. RIGID BRACING MAY BE USED IN LIEU OF SPLAY WIRES
8. CEILING WITH PLENUMS LESS THAN 12" TO STRUCTURE ARE NOT REQUIRED TO HAVE LATERAL FORCE BRACING.
9. VERTICAL STRUTS MUST BE POSITIVELY ATTACHED TO THE SUSPENSION SYSTEM AND THE STRUCTURE ABOVE.
10. THE VERTICAL STRUT MAY BE EMT CONDUIT, METAL STUDS OR A PROPRIETARY COMPRESSION POST.

MAXIMUM RECOMMENDED LENGTHS FOR VERTICAL STRUTS

EMT CONDUIT

| | |
|------------------|-------------|
| 1/2" EMT CONDUIT | UP TO 6'0" |
| 3/4" EMT CONDUIT | UP TO 8'6" |
| 1" EMT CONDUIT | UP TO 10'0" |

1 METAL STUD

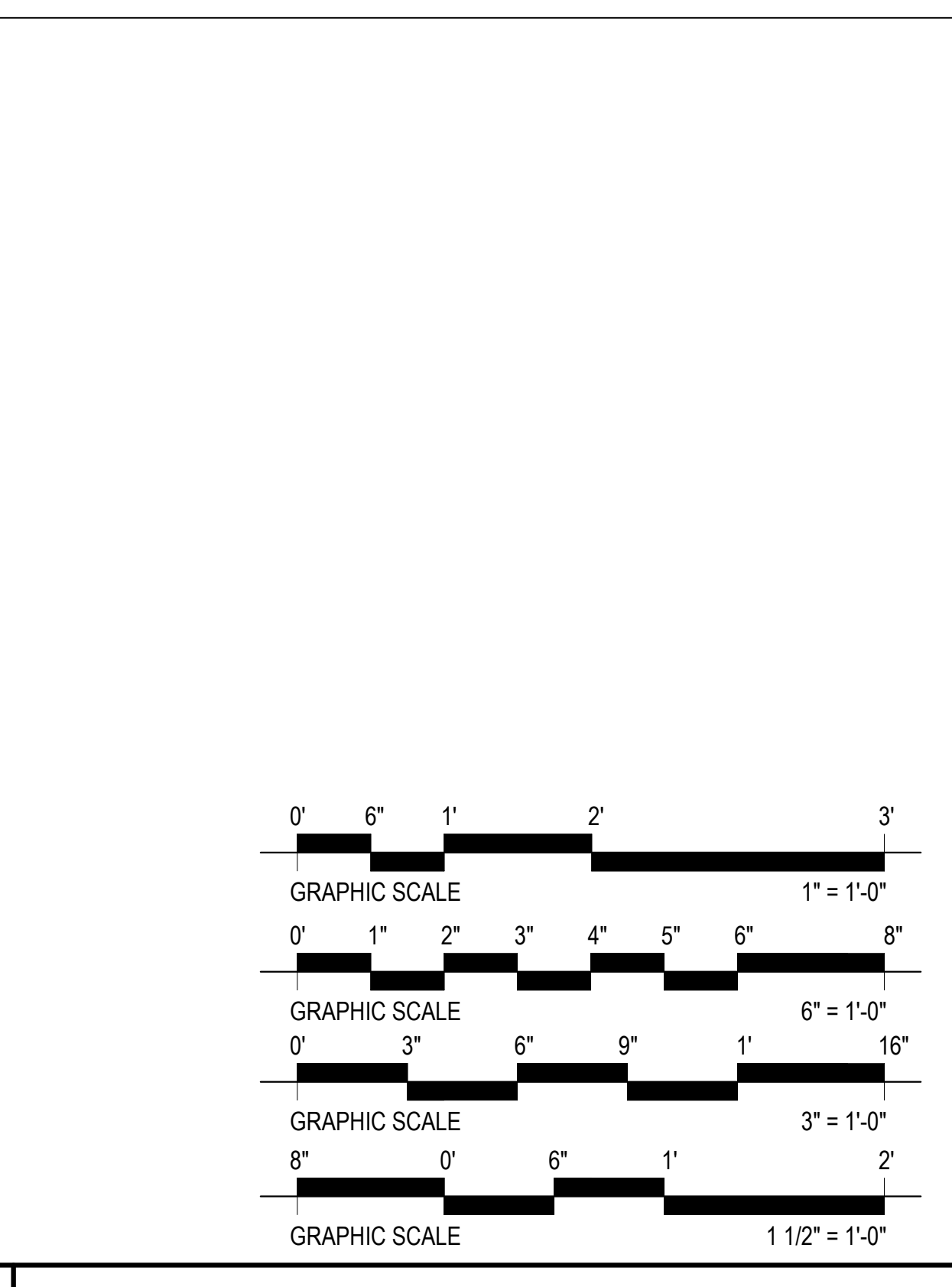
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| 1 5/8" METAL STUD (25 GAGE) | UP TO 6'2" |
| 2 1/2" METAL STUD (25 GAGE) | UP TO 10'6" |

WALL MOLDINGS

1. WALL MOLDINGS (PERIMETER CLOSURE ANGLES) ARE REQUIRED TO HAVE A HORIZONTAL FLANGE 2" WIDE, UNLESS ALTERNATE METHODS ARE APPROVED PRIOR TO INSTALLATION BY THE LOCAL BUILDING DEPARTMENT AND THE DESIGNER OF RECORD. ONE END OF THE CEILING GRID SHALL BE ATTACHED TO THE WALL MOLDING, THE OTHER ENDS SHALL HAVE A 3/4" CLEARANCE FROM THE WALL AND FREE TO SLIDE.
2. THE GRID SHALL BE ATTACHED AT TWO ADJACENT WALLS (POP RIVETS OR APPROVED METHOD).
3. THERE SHALL BE A MINIMUM 3/4" CLEARANCE FROM THE END OF THE GRID SYSTEM AT UN-ATTACHED WALLS.

SPREADER BARS

1. SPREADER (SPACER) BARS OR OTHER MEANS APPROVED BY LOCAL BUILDING DEPARTMENT SHALL BE USED TO PREVENT THE ENDS OF THE MAIN BEAMS AT PERIMETER WALLS FROM SPREADING OPEN DURING A SEISMIC EVENT. PERIMETER WIRES SHALL NOT BE IN LIEU OF SPREADER BARS.
2. WIRE TYING IS AN ACCEPTABLE ALTERNATIVE TO SPREADER BARS.
3. SPREADER BARS ARE NOT REQUIRED IF A 90° INTERSECTING CROSS OR MAIN IS WITHIN 8" OF THE PERIMETER WALL.



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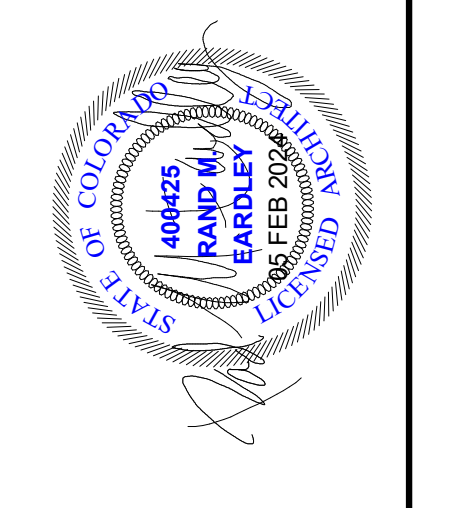
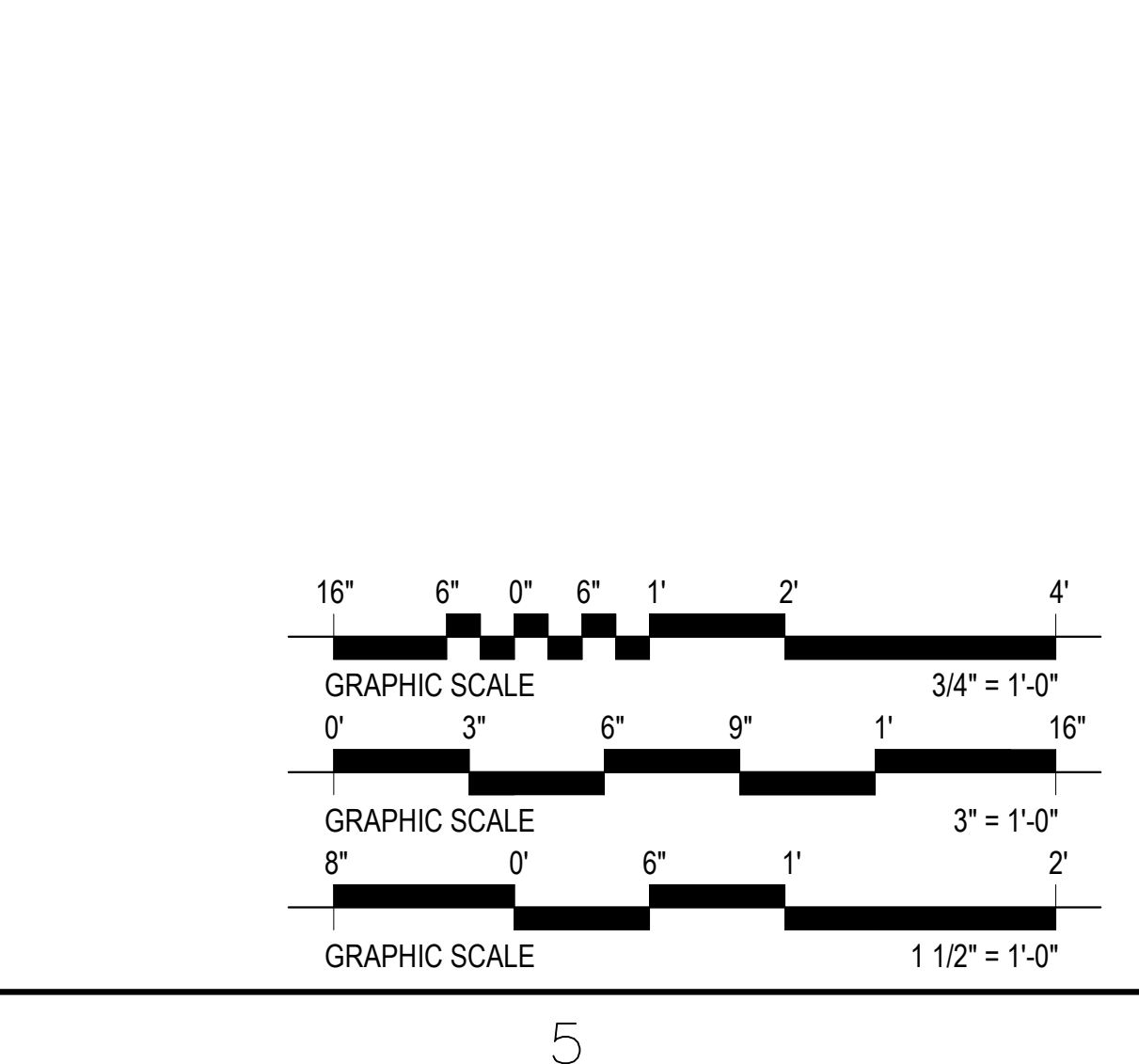
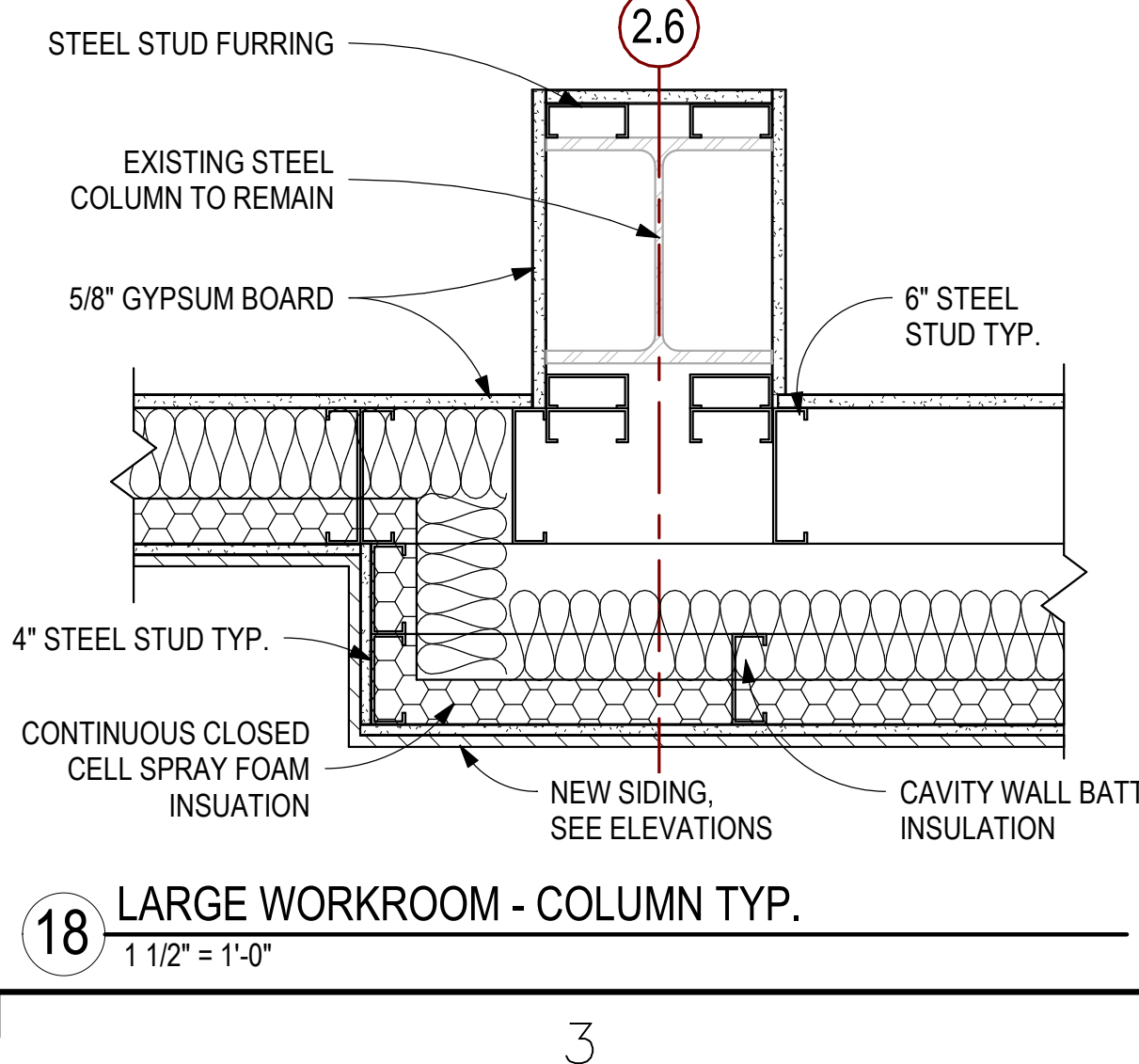
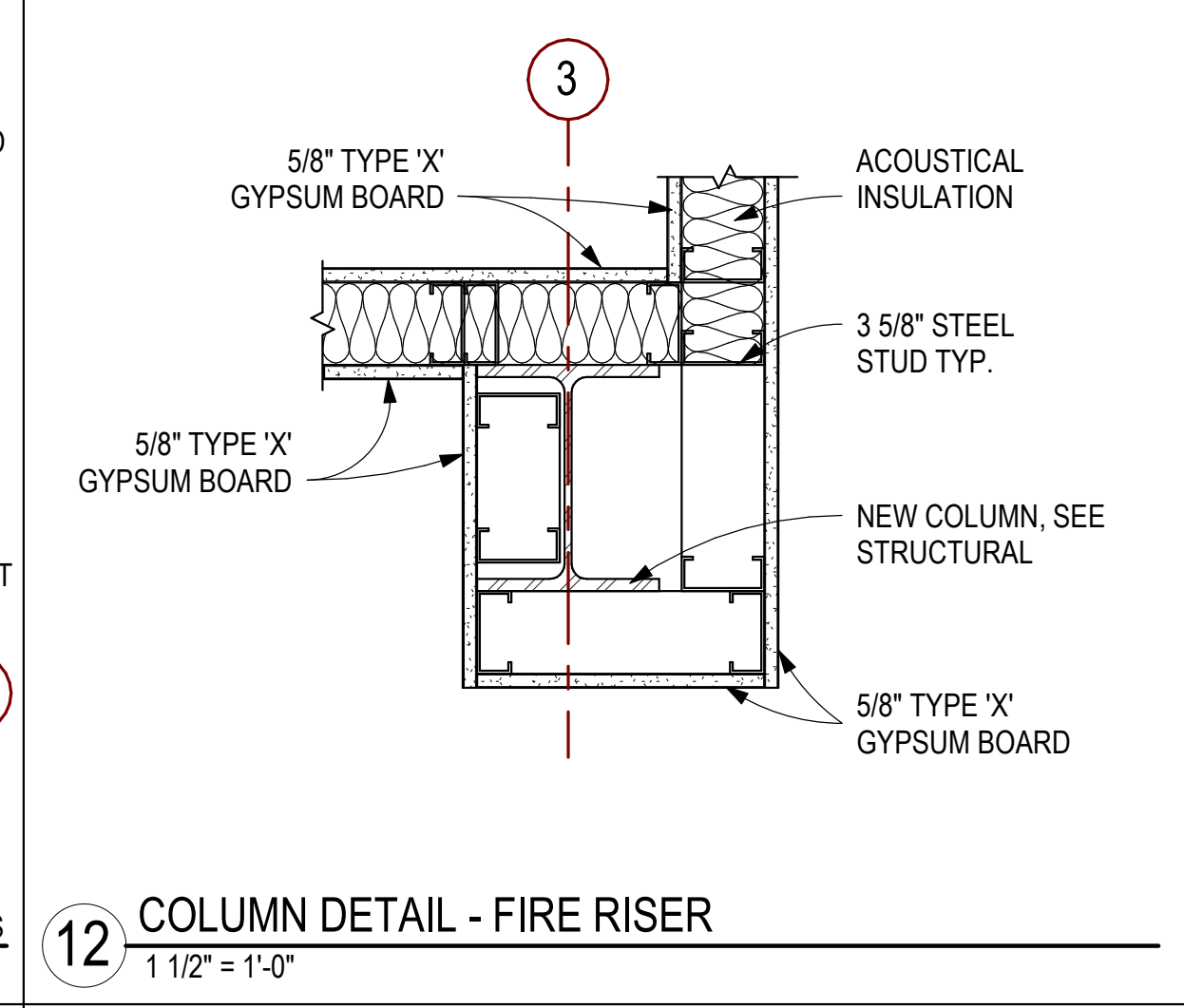
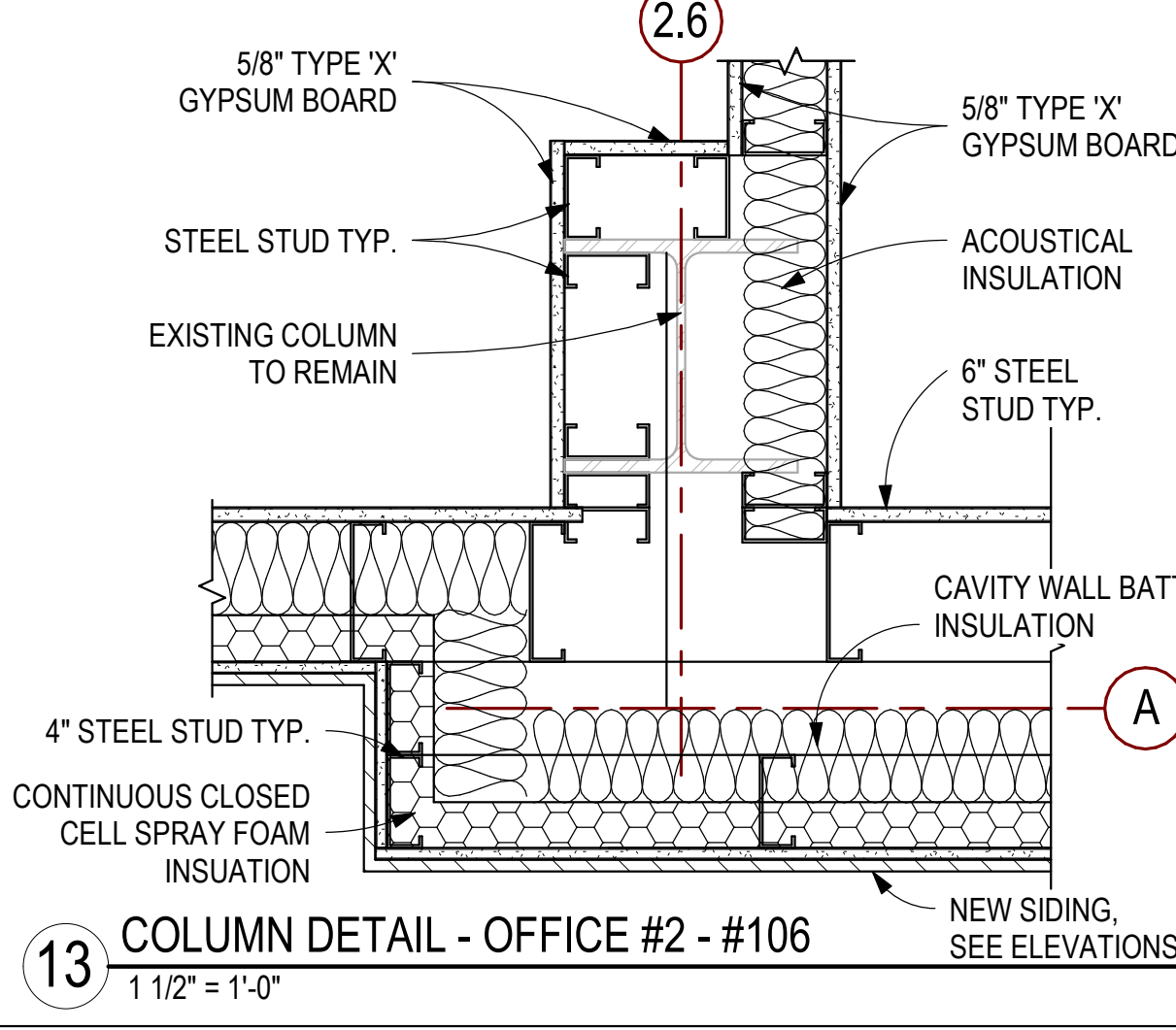
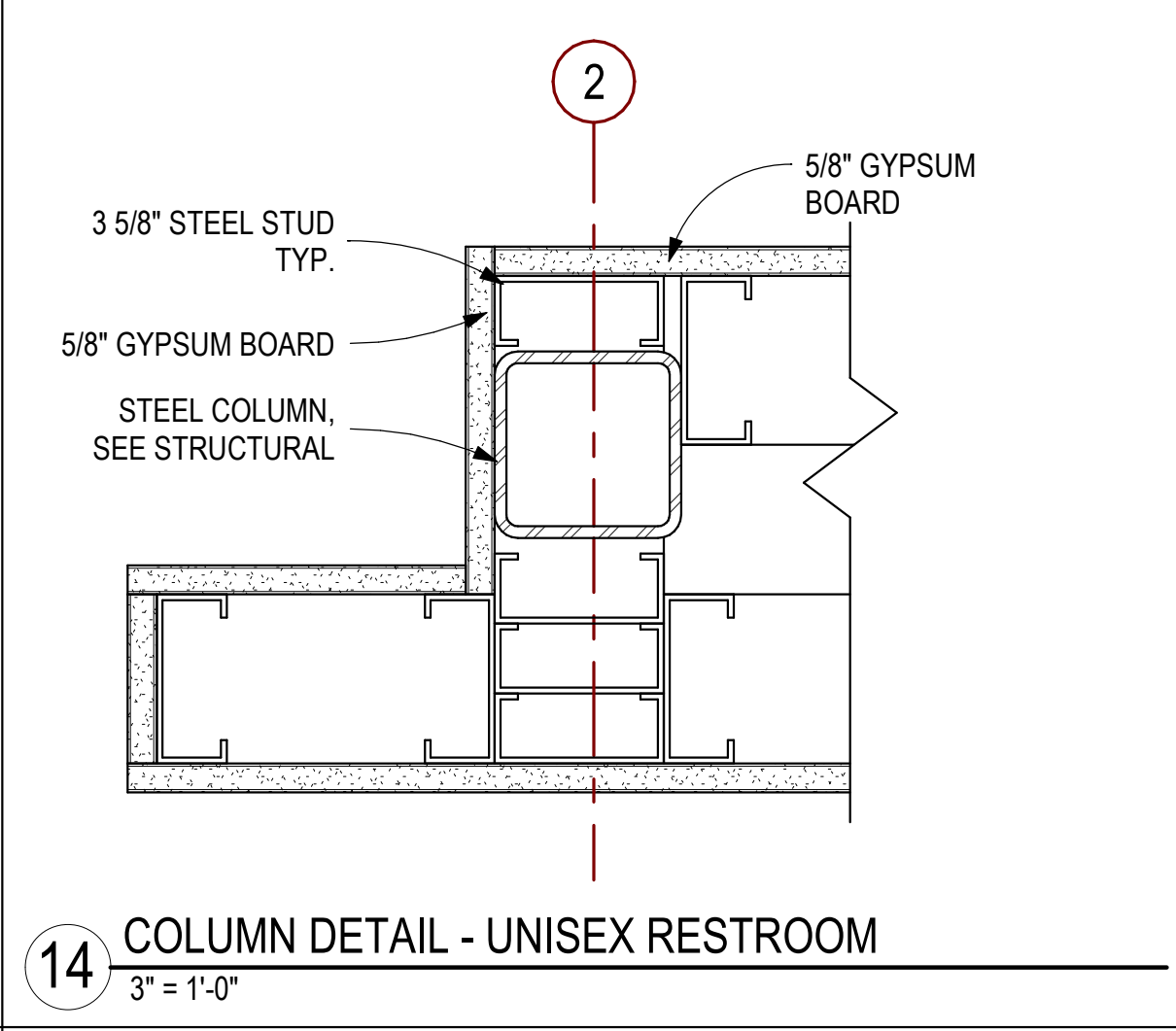
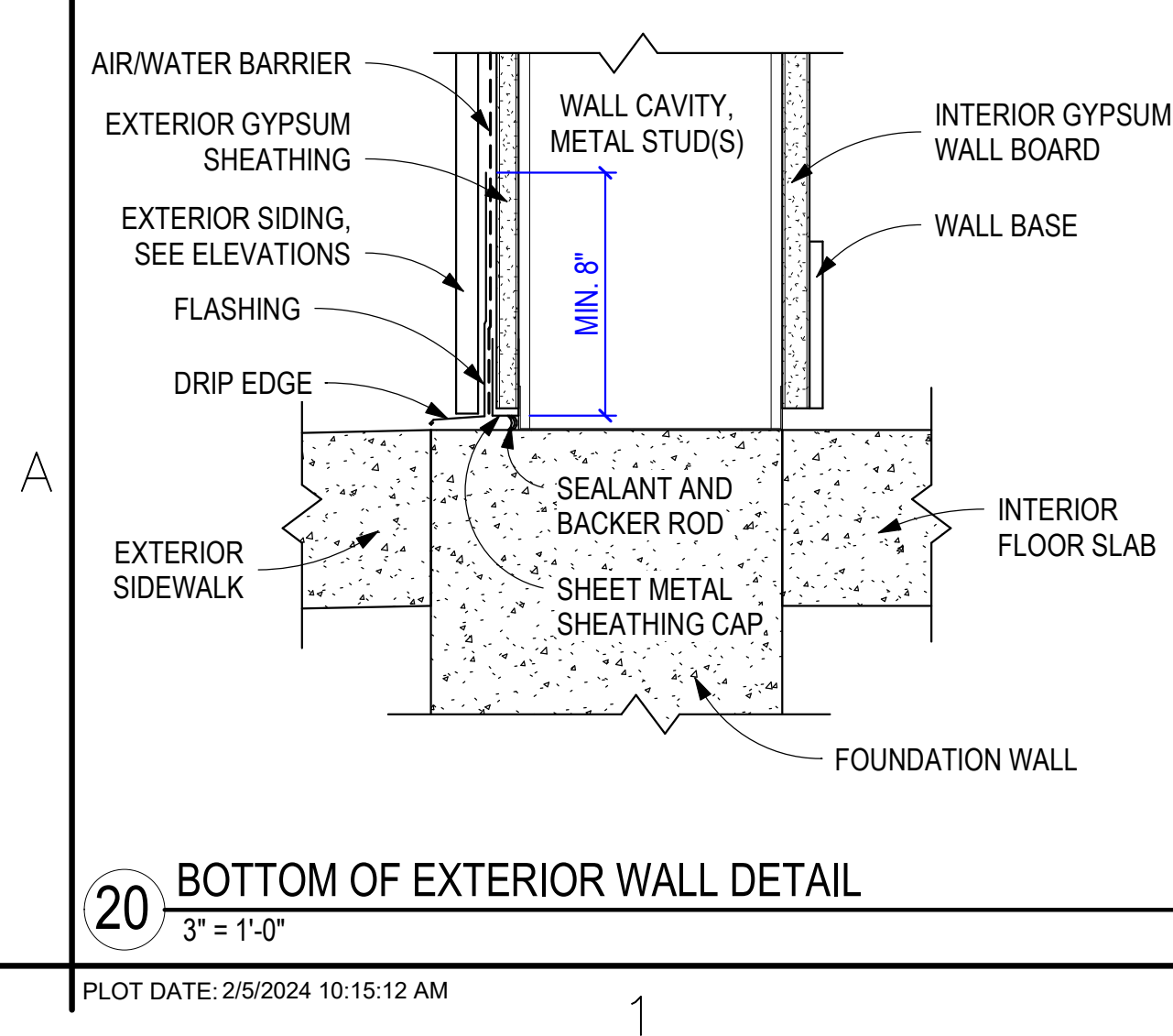
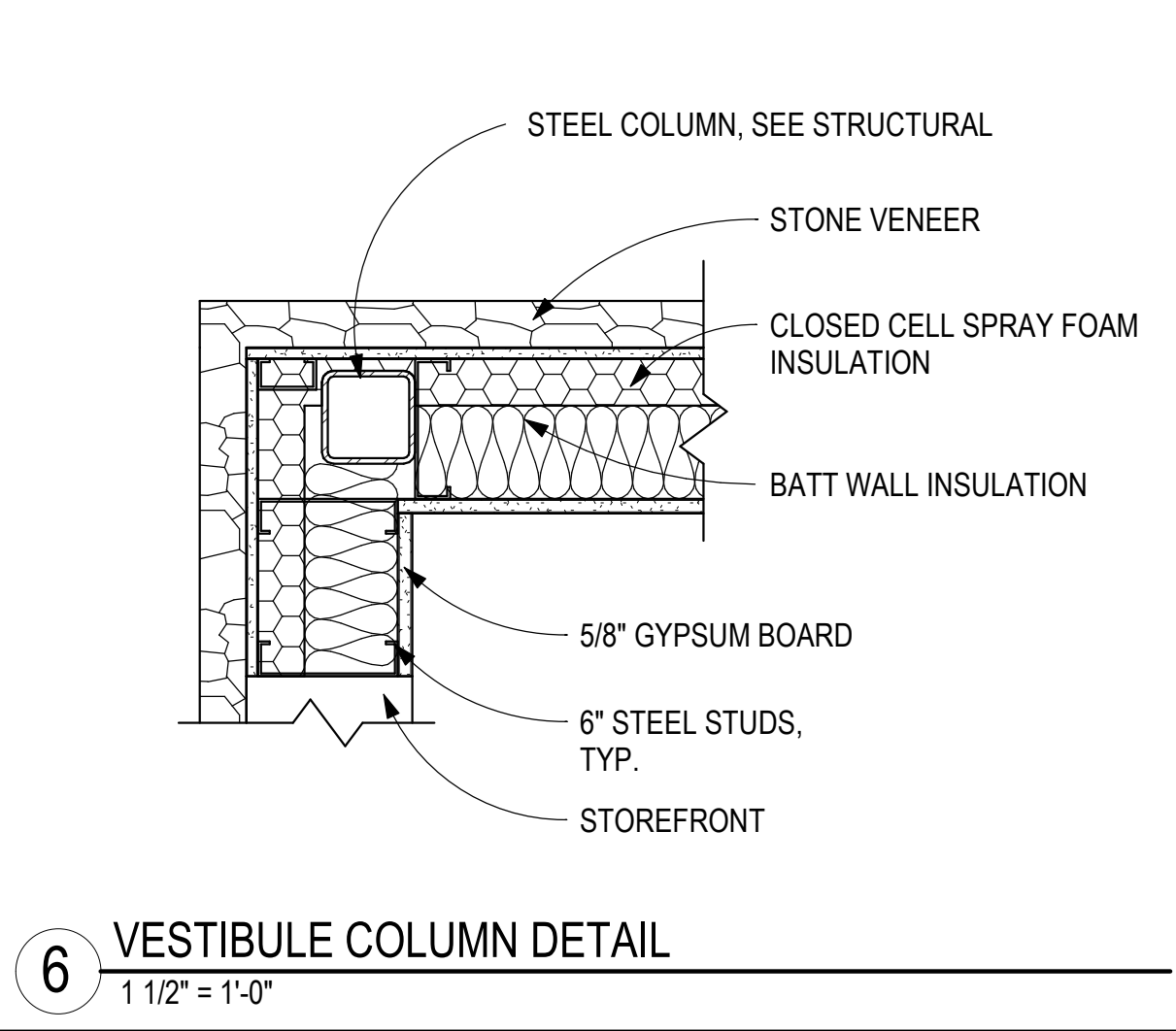
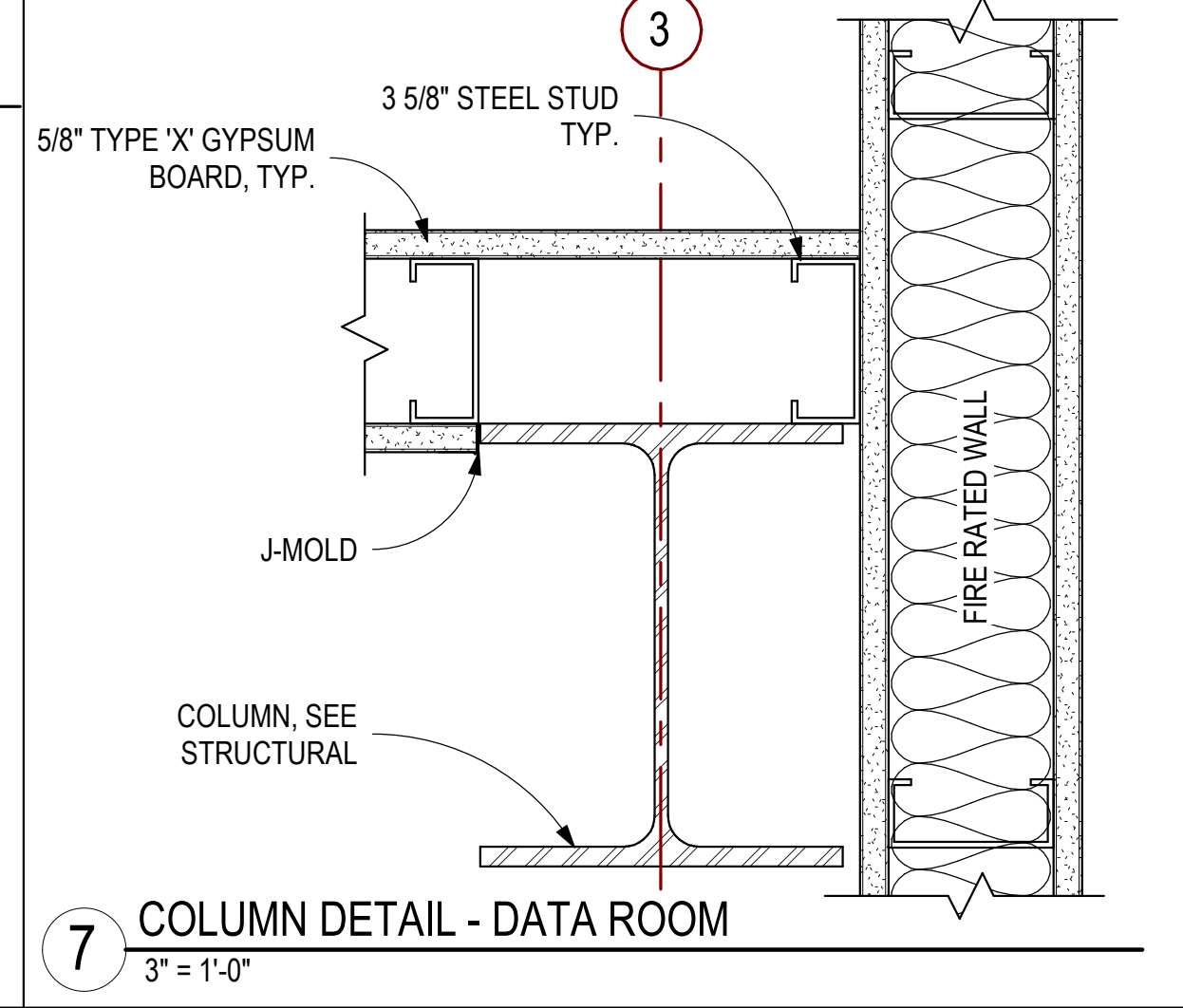
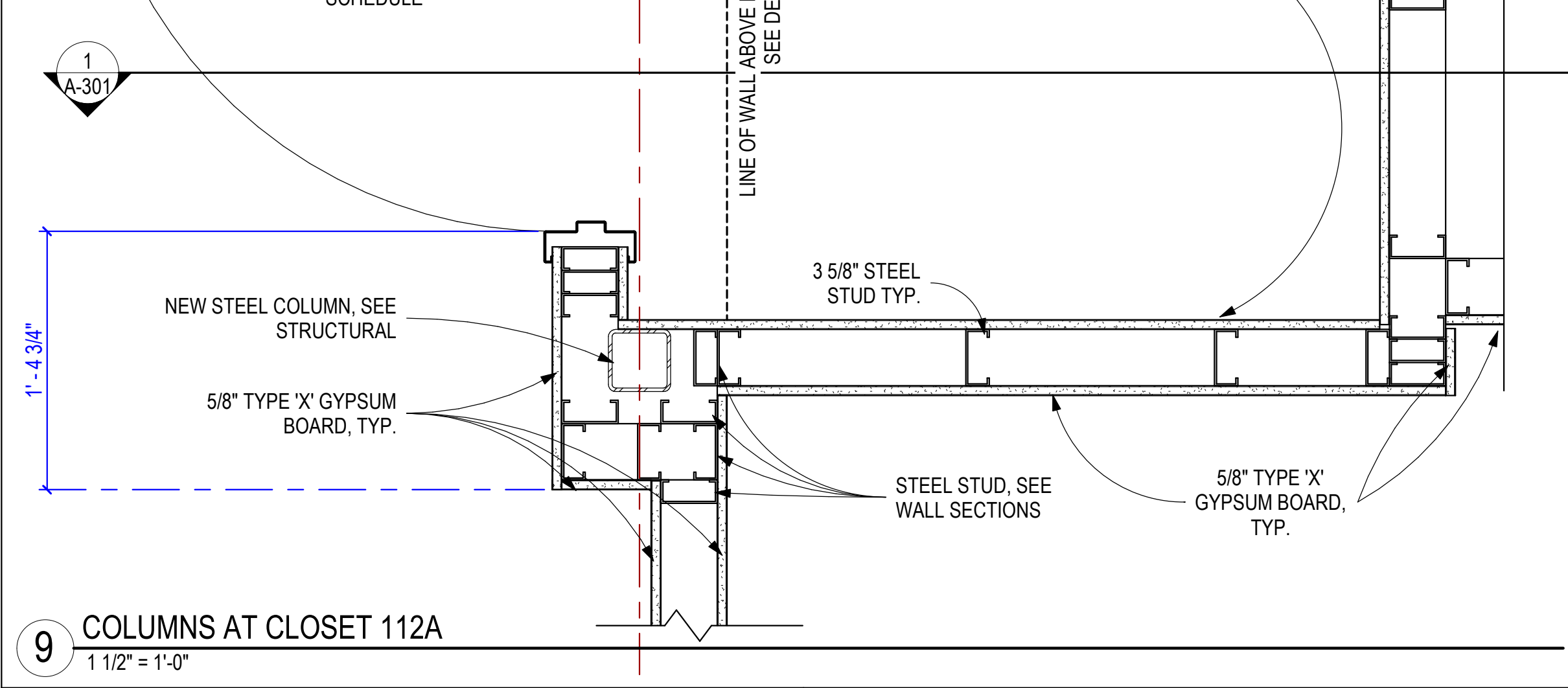
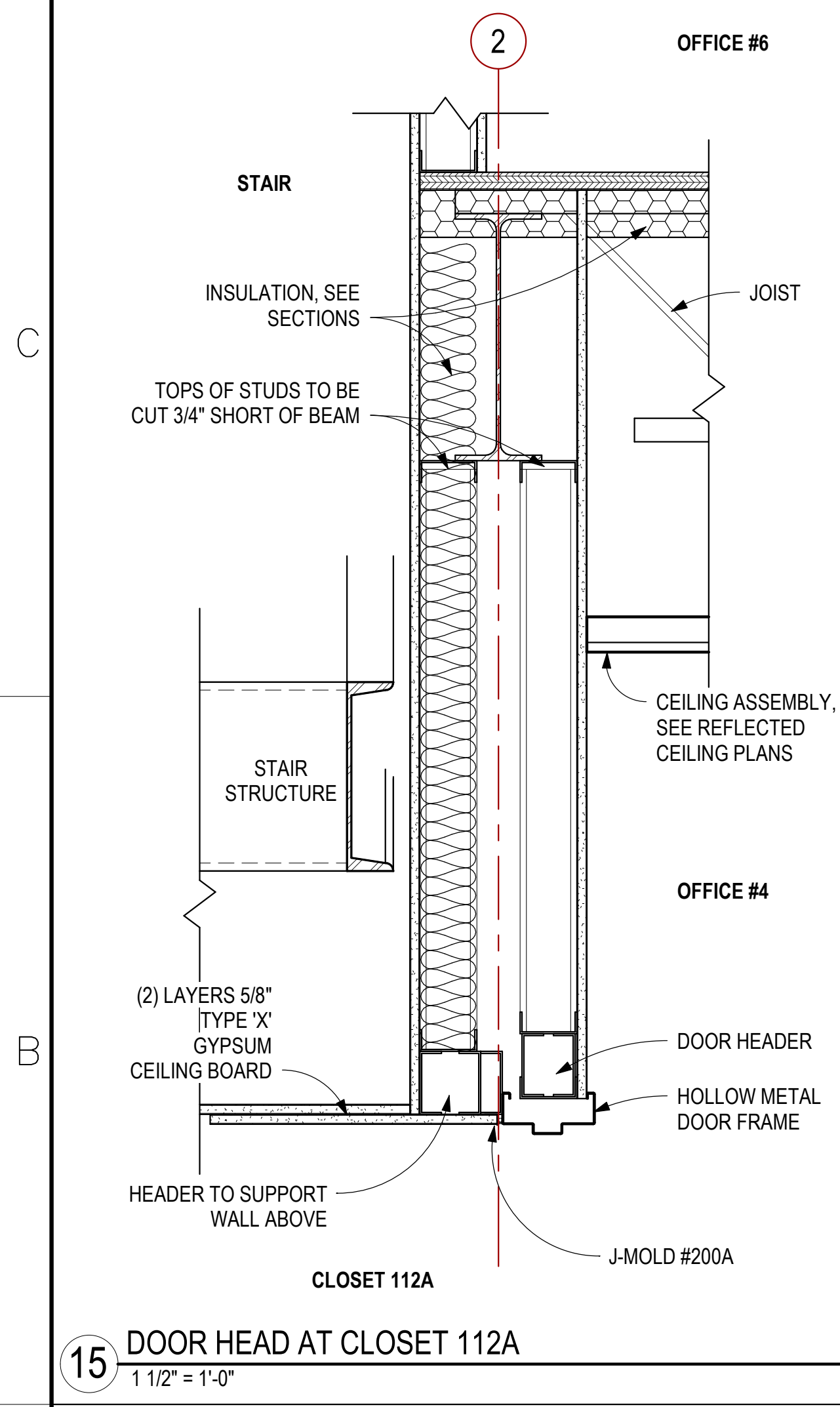
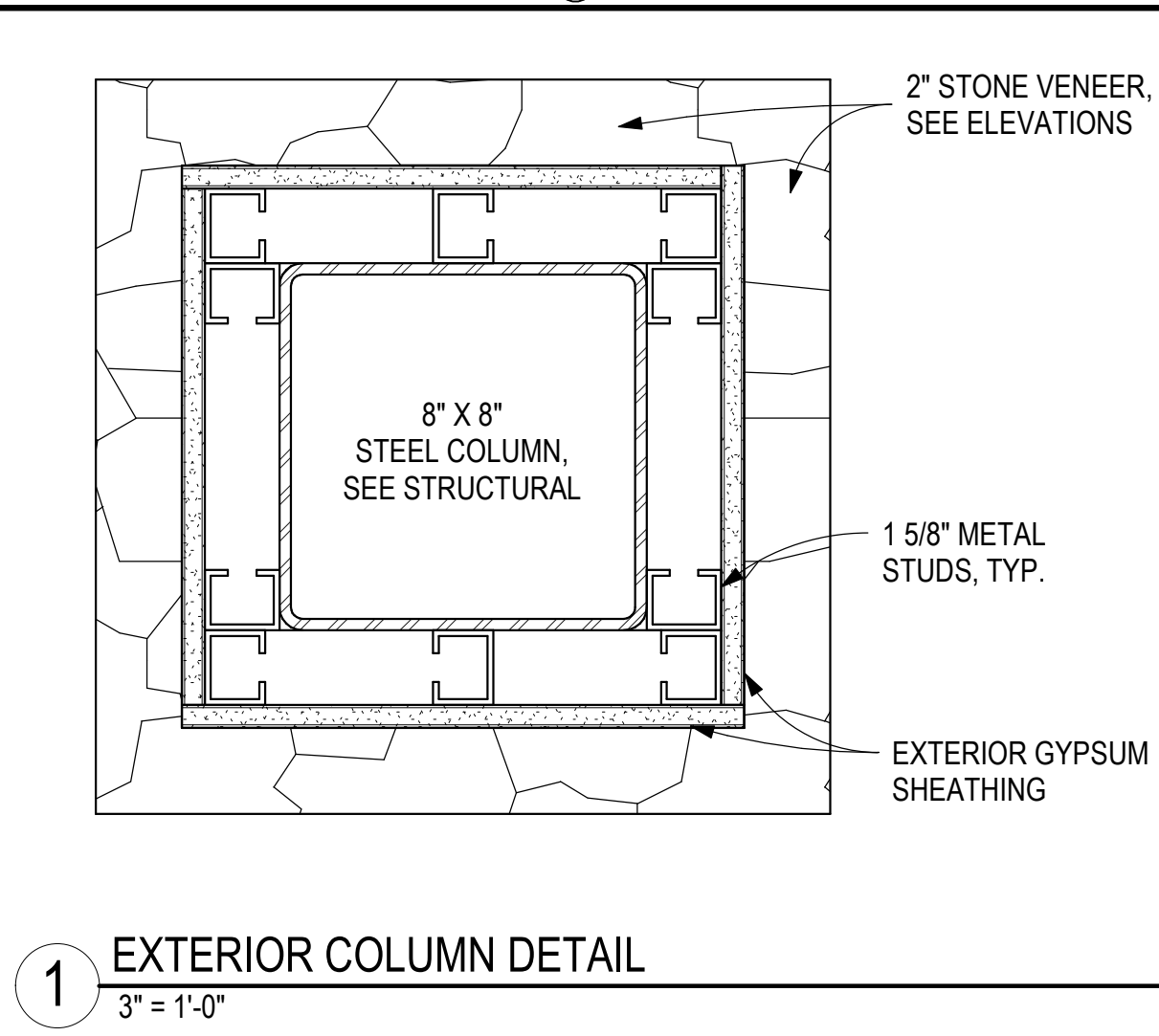
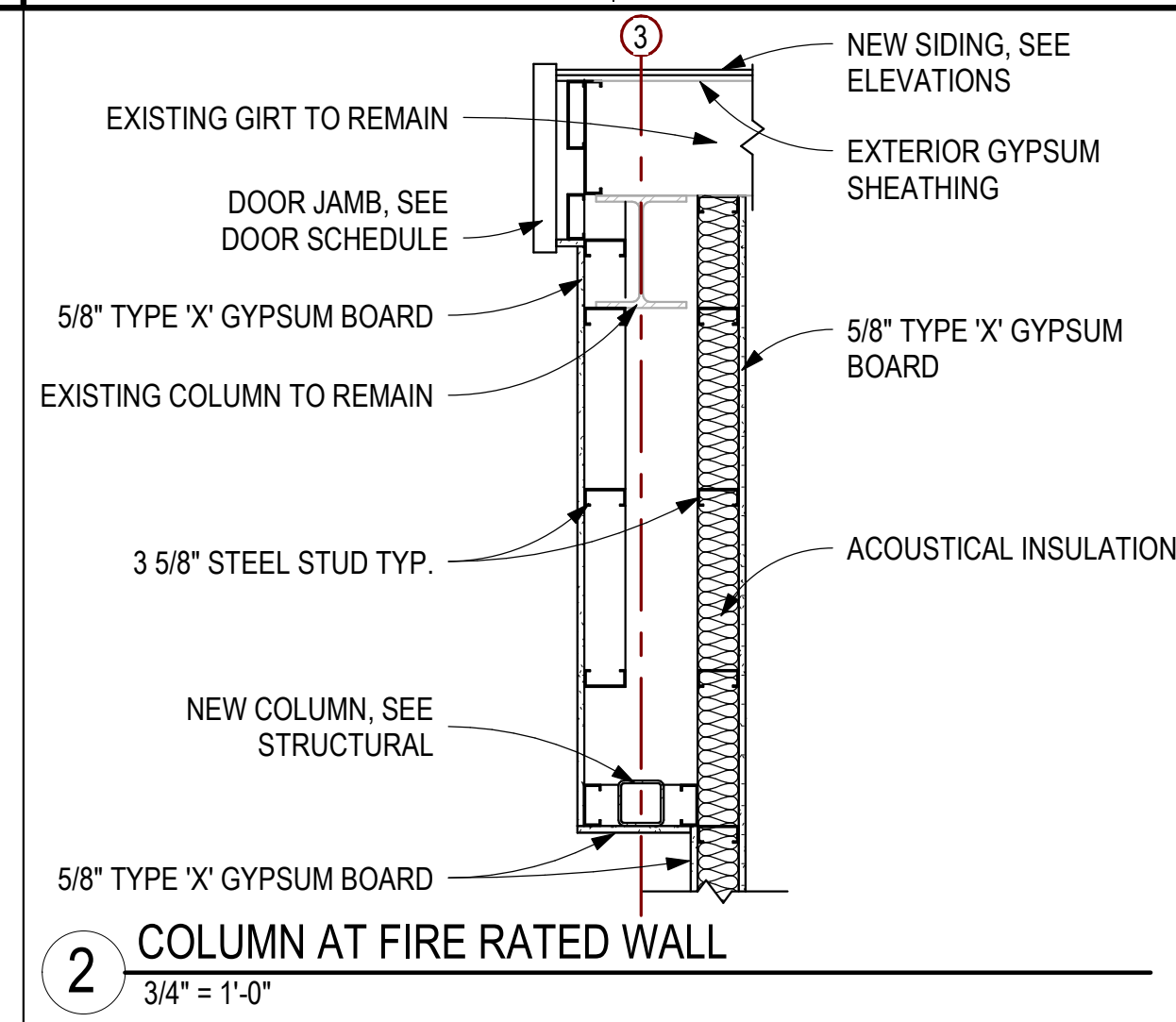
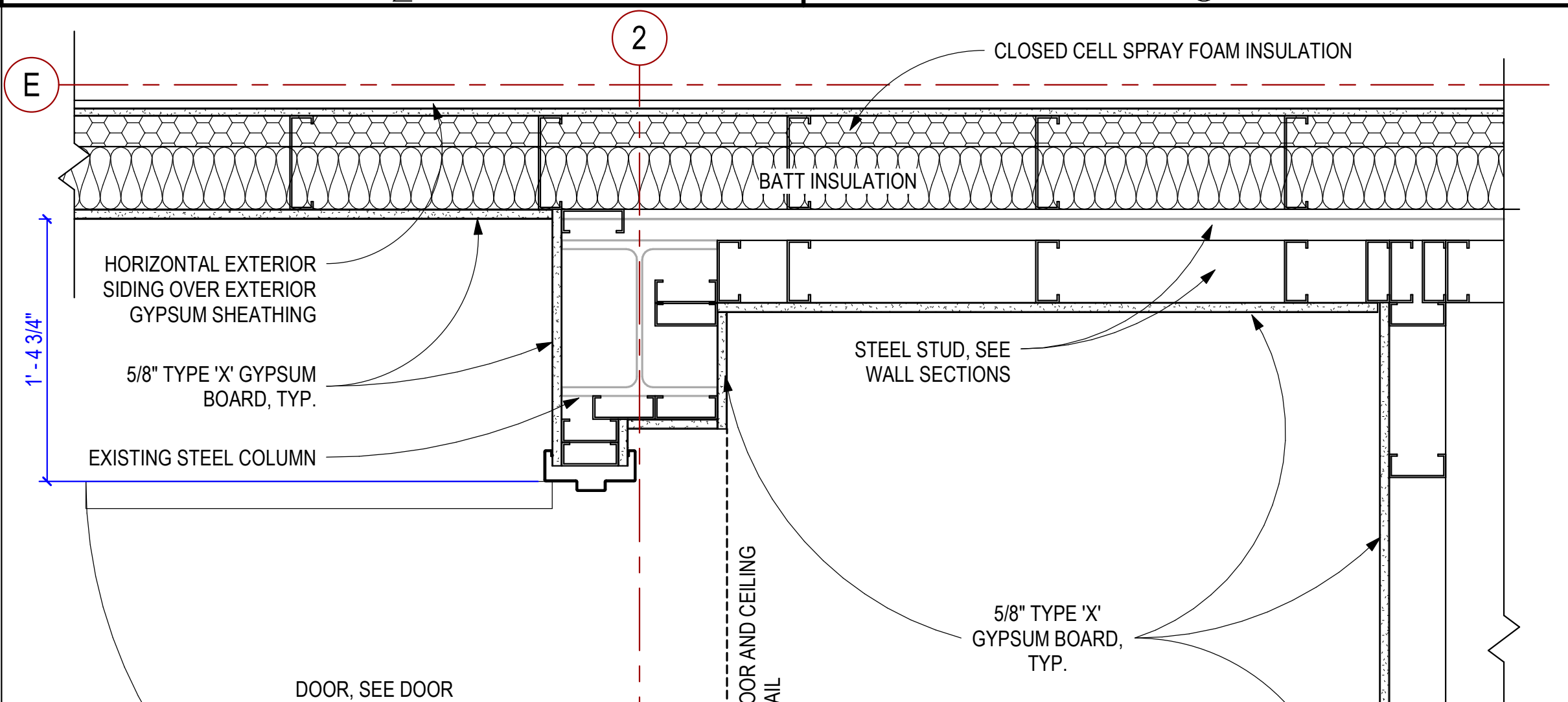
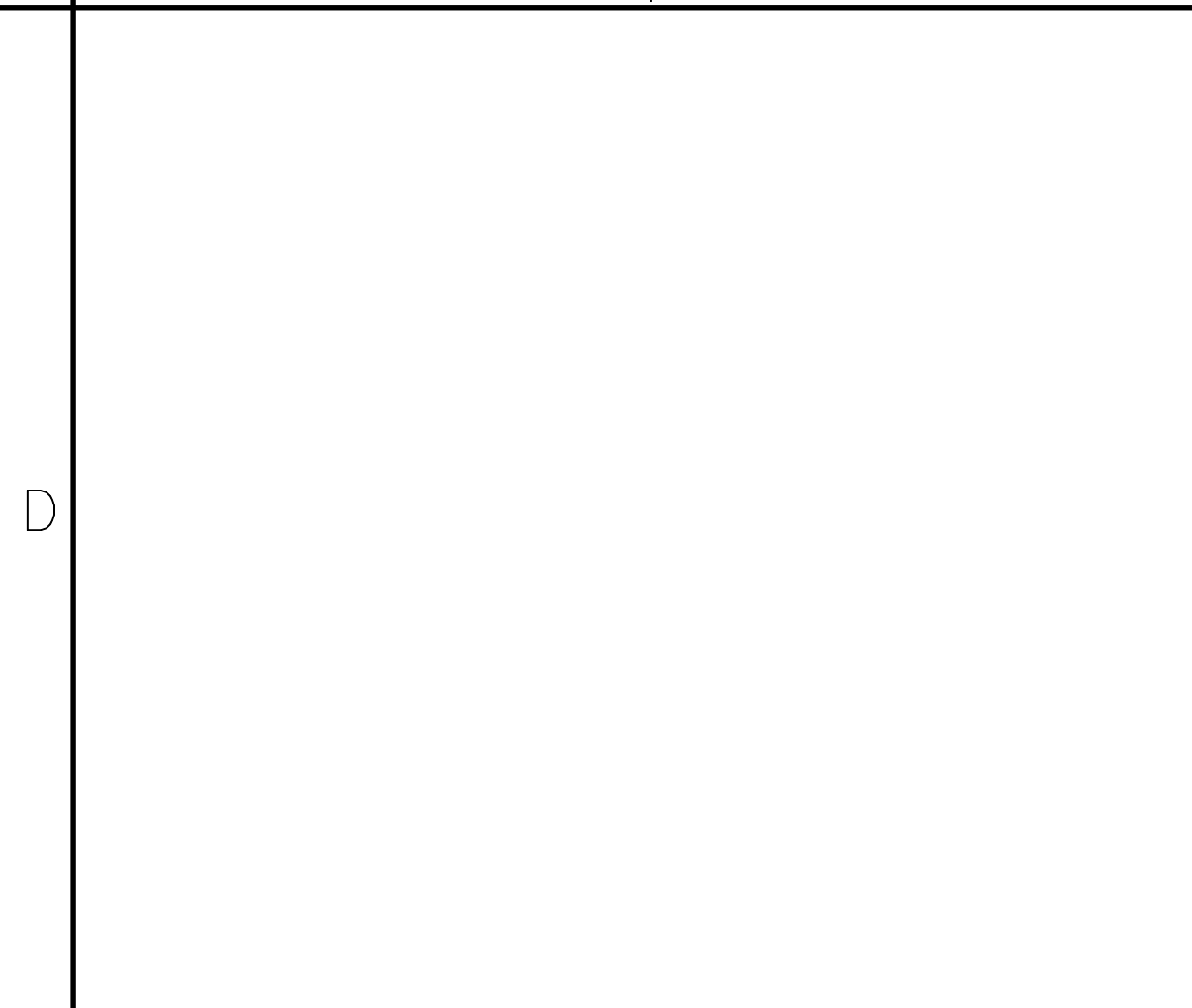
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| Designed by: RME | Submitted: 05 FEB 2024 | REV: |
| Drawn by: WAR | File: | |
| Reviewed by: JTP | Scale: As indicated | |
| Submitted by: | Project Number: | |

RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

ARCHITECTURAL DETAILS

SHEET NUMBER
A-501



EASOLUTIONS
 324 S. Sicle Street, Suite 444
 Salt Lake City, UT 84111
 www.easolutions.us
 385-549-8800

| Rev. | Description | Date | Appr. |
|------|-------------|------|-------|
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| Designed by: | RME | Submitted: | 05 FEB 2024 |
| Drawn by: | WAR | File: | |
| Reviewed by: | JTP | Scale: | As indicated |
| Submitted by: | | Project Number: | |

RCH Valley
Real Color Holdings, LLC
 875 Valley St
 Colorado Springs, CO
 80915

ARCHITECTURAL DETAILS

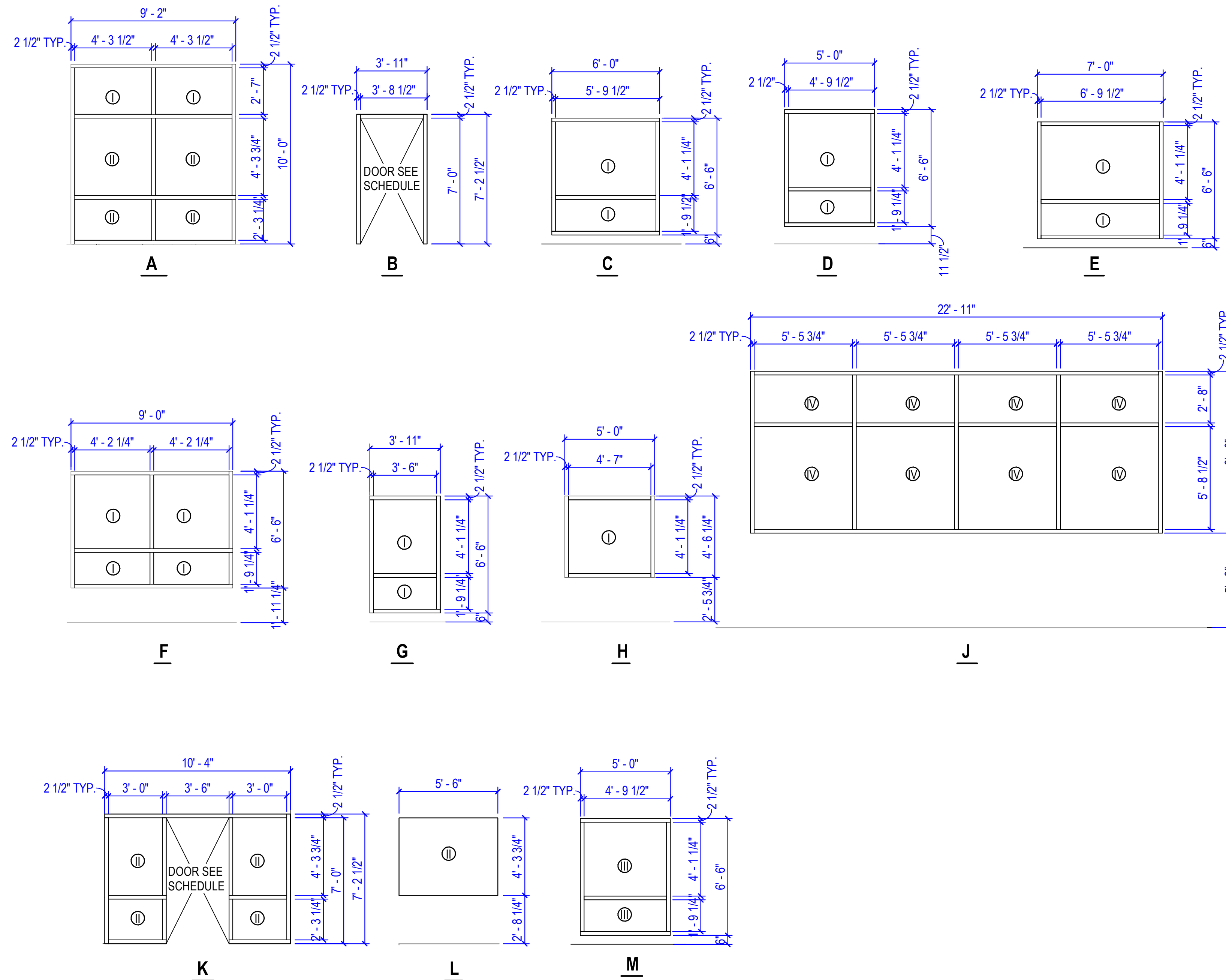
SHEET NUMBER
A-502

STOREFRONT WALL SCHEDULE

| COUNT | TYPE | SIZE | | FRAME | | GLASS TYPE | SILL HEIGHT | REMARKS |
|-------|------|---------|-----------|-----------------|-----------------|------------|-------------|---------|
| | | LENGTH | HEIGHT | MAT'L | FIN | | | |
| 1 | A | 9'-2" | 10'-0" | ALUM - ANODIZED | ALUM - ANODIZED | I | - | |
| 4 | C | 6'-0" | 6'-6" | ALUM - ANODIZED | ALUM - ANODIZED | I | 6" | |
| 15 | D | 5'-0" | 6'-6" | ALUM - ANODIZED | ALUM - ANODIZED | I | 11 1/2" | |
| 2 | E | 7'-0" | 6'-6" | ALUM - ANODIZED | ALUM - ANODIZED | I | 6" | |
| 1 | F | 9'-0" | 6'-6" | ALUM - ANODIZED | ALUM - ANODIZED | I | 1'10 3/4" | |
| 2 | G | 3'-11" | 6'-6" | ALUM - ANODIZED | ALUM - ANODIZED | I | 6" | |
| 2 | H | 5'-0" | 4'-6 1/4" | ALUM - ANODIZED | ALUM - ANODIZED | I | 2' 5 3/4" | |
| 1 | J | 22'-11" | 9'-0" | ALUM - ANODIZED | ALUM - ANODIZED | IV | 5'-3" | |
| 1 | K | 10'-4" | 7'-2 1/2" | ALUM - ANODIZED | ALUM - ANODIZED | I | - | |
| 1 | L | 5'-6" | 4'-3 3/4" | ALUM - ANODIZED | ALUM - ANODIZED | II | 2'-8 1/4" | |
| 1 | M | 5'-0" | 6'-6" | ALUM - ANODIZED | ALUM - ANODIZED | III | 6" | |

GLAZING SCHEDULE

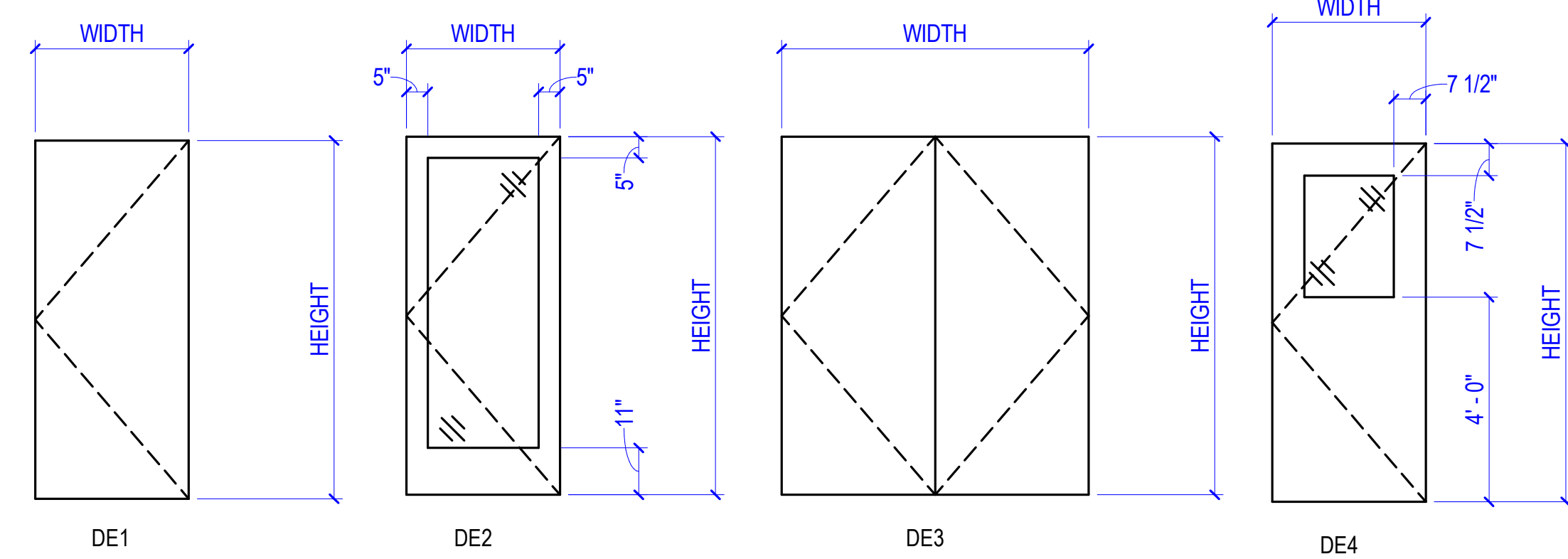
- I 1/4" GLASS - CLEAR
- II 1/4" GLASS - TEMPERED CLEAR
- III 1/4" GLASS - TEMPERED ACID ETCHED IN UNISEX RESTROOM
- IV KALWALL SYSTEM



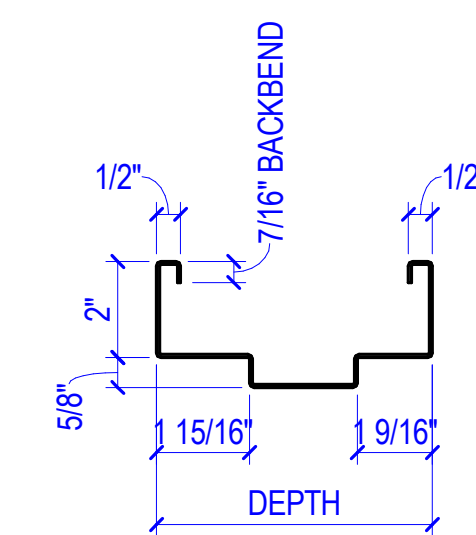
DOOR SCHEDULE

| MARK | WIDTH | HEIGHT | THICK | TYPE | DOOR ELEV. | DOOR MAT'L & FIN. | FRAME MAT'L & FIN. | FIRE RATE | HDWR | REMARKS |
|------|-------|--------|--------|-----------------|------------|---------------------|---------------------|-----------|------|--|
| 101A | 3'-6" | 7'-0" | 1 3/4" | STOREFRONT | DE2 | ALUMINUM - ANODIZED | ALUMINUM - ANODIZED | | | ENTRY |
| 101B | 3'-6" | 7'-0" | 1 3/4" | STOREFRONT | DE2 | ALUMINUM - ANODIZED | ALUMINUM - ANODIZED | | | ENTRY |
| 102 | 3'-6" | 7'-0" | 1 3/4" | STOREFRONT | DE2 | ALUMINUM - ANODIZED | ALUMINUM - ANODIZED | | | PASSAGE |
| 104 | 3'-0" | 7'-0" | 1 3/4" | HINGED GLASS | DE2 | WOOD - STAINED | HM - PAINTED | | | OFFICE |
| 105 | 3'-0" | 7'-0" | 1 3/4" | HINGED | DE1 | WOOD - STAINED | HM - PAINTED | | | PRIVACY |
| 106 | 3'-0" | 7'-0" | 1 3/4" | HINGED GLASS | DE2 | WOOD - STAINED | HM - PAINTED | | | OFFICE |
| 107 | 3'-0" | 7'-0" | 1 3/4" | HINGED | DE1 | WOOD - STAINED | HM - PAINTED | | | PRIVACY |
| 108 | 3'-0" | 7'-0" | 1 3/4" | HINGED | DE1 | WOOD - STAINED | HM - PAINTED | | | PRIVACY |
| 109 | 3'-0" | 7'-0" | 1 3/4" | HINGED | DE4 | WOOD - STAINED | HM - PAINTED | | | PASSAGE |
| 109A | 3'-0" | 7'-0" | 1 3/4" | HINGED | DE1 | WOOD - STAINED | HM - PAINTED | | | PASSAGE |
| 110 | 3'-0" | 7'-0" | 1 3/4" | HINGED GLASS | DE2 | WOOD - STAINED | HM - PAINTED | | | OFFICE |
| 111 | 3'-0" | 7'-0" | 1 3/4" | HINGED | DE1 | WOOD - STAINED | HM - PAINTED | | | OFFICE |
| 112 | 3'-0" | 7'-0" | 1 3/4" | HINGED GLASS | DE2 | WOOD - STAINED | HM - PAINTED | | | OFFICE |
| 112A | 2'-6" | 7'-0" | 1 3/4" | HINGED | DE1 | WOOD - STAINED | HM - PAINTED | 1-HR | | STORAGE |
| 113 | 6'-0" | 7'-0" | 1 3/4" | HINGED - DOUBLE | DE3 | WOOD - STAINED | HM - PAINTED | | | STORAGE |
| 114 | 3'-0" | 7'-0" | 1 3/4" | HINGED | DE1 | WOOD - STAINED | HM - PAINTED | | | STORAGE |
| 115 | 3'-0" | 7'-0" | 1 3/4" | HINGED | DE4 | WOOD - STAINED | HM - PAINTED | 1-HR | | ENTRY |
| 115A | 3'-0" | 7'-0" | 1 3/4" | STOREFRONT | DE2 | ALUMINUM - ANODIZED | ALUMINUM - ANODIZED | | | ENTRY |
| 116 | 3'-0" | 7'-0" | 1 3/4" | HINGED | DE1 | WOOD - STAINED | HM - PAINTED | 1-HR | | STORAGE |
| 117 | 3'-0" | 7'-0" | 1 3/4" | HINGED | DE1 | WOOD - STAINED | HM - PAINTED | 3/4-HR | | STORAGE |
| 118A | 3'-8" | 7'-0" | 1 3/4" | HINGED | DE1 | WOOD - STAINED | HM - PAINTED | 3/4-HR | | PASSAGE |
| 118B | 3'-0" | 7'-0" | 1 3/4" | HINGED | DE1 | WOOD - STAINED | HM - PAINTED | 3/4-HR | | PASSAGE |
| 118C | 3'-0" | 7'-0" | 1 3/4" | HINGED | N/A | N/A | N/A | | | ENTRY |
| 118D | 3'-0" | 7'-0" | 1 3/4" | HINGED | N/A | N/A | N/A | | | ENTRY EXISTING DOOR, NEW HARDWARE ONLY |
| 200 | 3'-0" | 7'-0" | 1 3/4" | HINGED GLASS | DE4 | WOOD - STAINED | HM - PAINTED | 1-HR | | ENTRY EXISTING DOOR, NEW HARDWARE ONLY |
| 200A | 5'-0" | 7'-0" | 1 3/4" | HINGED - DOUBLE | DE3 | WOOD - STAINED | HM - PAINTED | 3/4-HR | | STORAGE |
| 201 | 3'-0" | 7'-0" | 1 3/4" | HINGED GLASS | DE1 | WOOD - STAINED | HM - PAINTED | | | STORAGE |
| 202 | 3'-0" | 7'-0" | 1 3/4" | HINGED GLASS | DE2 | WOOD - STAINED | HM - PAINTED | | | OFFICE |
| 202A | 3'-0" | 7'-0" | 1 3/4" | HINGED | DE1 | WOOD - STAINED | HM - PAINTED | | | STORAGE |
| 203 | 3'-0" | 7'-0" | 1 3/4" | HINGED | DE1 | WOOD - STAINED | HM - PAINTED | | | PRIVACY |
| 204 | 3'-0" | 7'-0" | 1 3/4" | HINGED GLASS | DE1 | WOOD - STAINED | HM - PAINTED | | | PRIVACY |
| 205 | 4'-0" | 6'-8" | 1 3/8" | BARN DOOR | DE1 | WOOD - STAINED | HM - PAINTED | | | PASSAGE (BARN DOOR) |
| 206 | 3'-0" | 7'-0" | 1 3/4" | HINGED GLASS | DE2 | WOOD - STAINED | HM - PAINTED | | | OFFICE |
| 207 | 3'-0" | 7'-0" | 1 3/4" | HINGED GLASS | DE2 | WOOD - STAINED | HM - PAINTED | | | OFFICE |
| 208 | 3'-0" | 7'-0" | 1 3/4" | HINGED GLASS | DE2 | WOOD - STAINED | HM - PAINTED | | | OFFICE |
| 209 | 3'-0" | 7'-0" | 1 3/4" | HINGED GLASS | DE2 | WOOD - STAINED | HM - PAINTED | | | OFFICE |
| 210 | 3'-0" | 7'-0" | 1 3/4" | HINGED GLASS | DE2 | WOOD - STAINED | HM - PAINTED | | | OFFICE |
| 211 | 4'-0" | 7'-0" | 1 3/4" | HINGED | DE1 | WOOD - STAINED | HM - PAINTED | | | PASSAGE |
| 211A | 6'-0" | 7'-0" | 1 3/4" | HINGED - DOUBLE | DE3 | WOOD - STAINED | HM - PAINTED | | | STORAGE |
| 211B | 6'-0" | 7'-0" | 1 3/4" | HINGED - DOUBLE | DE3 | WOOD - STAINED | HM - PAINTED | | | STORAGE |

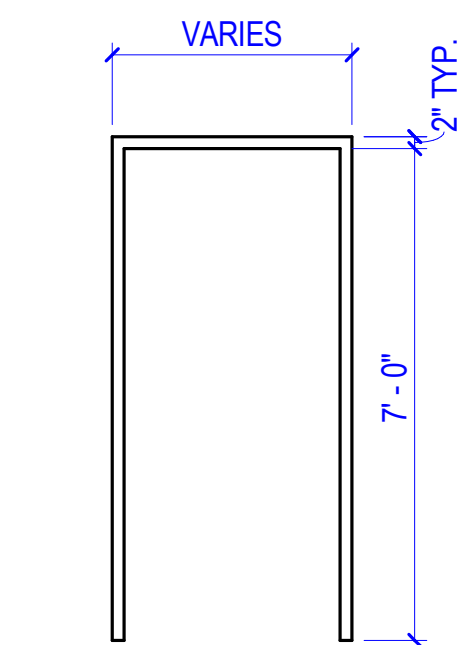
NOTE: OFFICE LOCKSETS ARE TO BE KEYED INDIVIDUALLY.



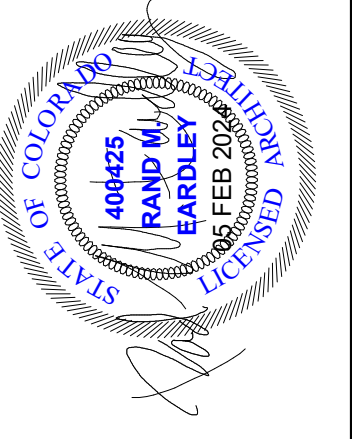
DOOR ELEVATION LEGEND



FRAME PROFILE



FRAME ELEVATIONS



EA SOLUTIONS

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Salt Lake City, UT 84111
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| Rev. | Description | Date | Appr. |
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| REV: | Submitted: | File: | Scale: | Project Number: |
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| | 05 FEB 2024 | | As indicated | |

| Designed by: | Drawn by: | Reviewed by: | Submitted by: |
|--------------|-----------|--------------|---------------|
| RME | WAR | JTP | |

RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

SCHEDULES

REFLECTED CEILING PLAN LEGEND

| | | | |
|--|-------------------------------|--|-----------------------------------|
| | GYP. BD. CEILING | | 2' x 4' LIGHT |
| | SUPPLY DIFFUSER | | 2' x 2' LIGHT |
| | EXHAUST FAN | | RECESSED CAN LIGHT |
| | RETURN AIR | | PENDANT LIGHT FIXTURE |
| | EXIT SIGN | | 2' x 2' LAY-IN ACOUSTICAL CEILING |
| | CEILING MOUNTED MOTION SENSOR | | VRF MINI CASSETTE |
| | RECESSED FIRE SPRINKLER | | |

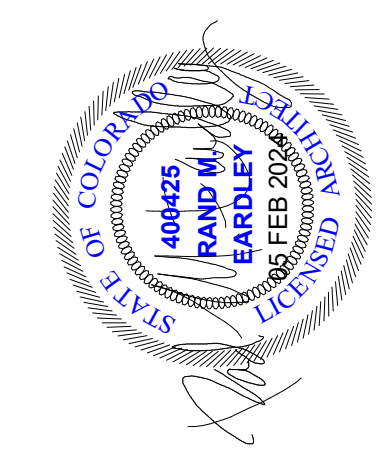
REFLECTED CEILING PLAN GENERAL NOTES

- SEE ARCHITECTURAL DETAIL SHEET A-501 FOR SUSPENDED CEILING GRID DETAILS.
- COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR TYPE AND PLACEMENT OF MECHANICAL AND ELECTRICAL COMPONENTS.

KEYED NOTES

- 07.14 ALUMINUM SOFFIT; COLOR MIDNIGHT BRONZE
- 09.01 MINERAL FIBER ACOUSTICAL CEILING TILE, MINIMUM CAC OF 35 AND NRC OF .6, ARMSTRONG ULTIMA RECOMMENDED
- 09.02 GYPSUM BOARD CEILING; FOR GYPSUM BOARD CEILINGS SPANNING GREATER THAN 48" USE 12 GAUGE WIRE TIES AT 48" ON CENTER

NOTE:
THE SPRINKLER HEADS FOR THE FIRE SUPPRESSION SYSTEM ARE NOT SHOWN AS THEY ARE TO BE PROVIDED AS A DEFERRED SUBMITTAL.



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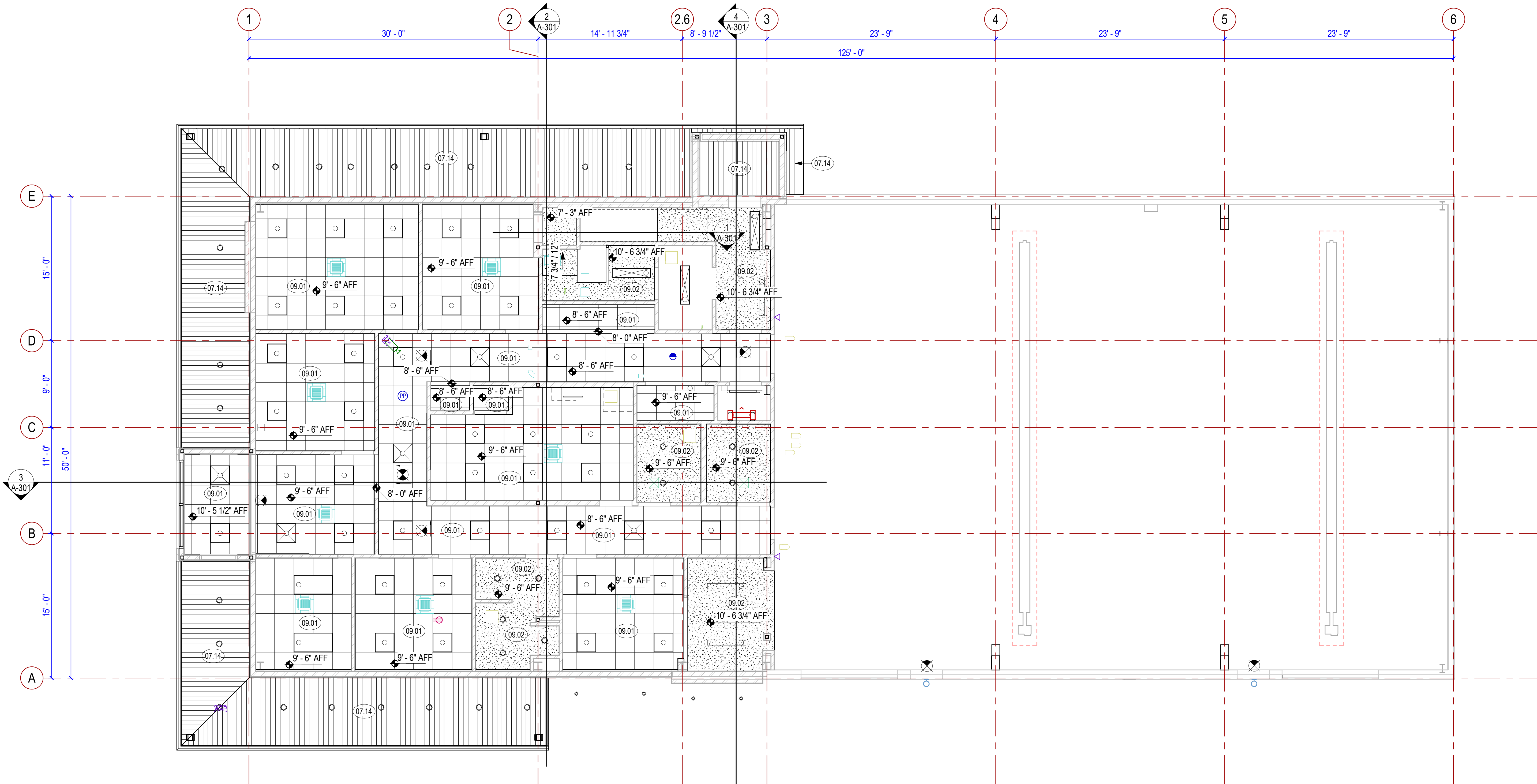
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| Designed by: | RME | Submitted: | 05 FEB 2024 |
| Drawn by: | WAR | File: | |
| Reviewed by: | JTP | Scale: | As indicated |
| Submitted by: | | Project Number: | |

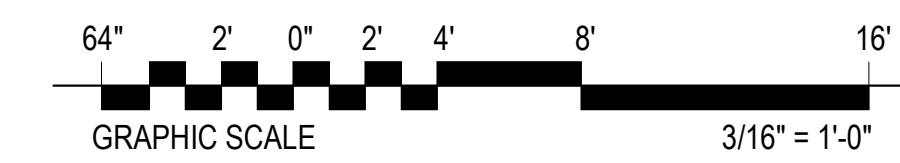
RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

FIRST FLOOR REFLECTED CEILING PLAN


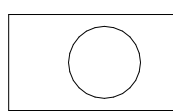
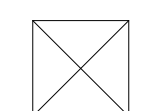
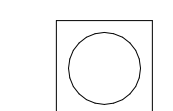
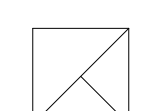
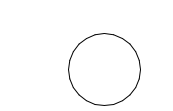
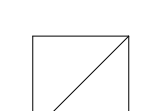
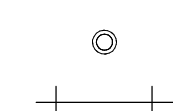
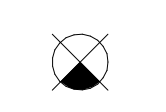
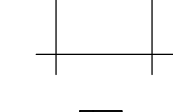

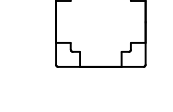
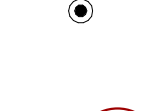
SHEET NUMBER
A-701



1 1ST FLOOR REFLECTED CEILING PLAN
3/16" = 1'-0"



REFLECTED CEILING PLAN LEGEND

| | | | |
|---|-------------------------------|---|-----------------------------------|
|  | GYP. BD. CEILING |  | 2' x 4' LIGHT |
|  | SUPPLY DIFFUSER |  | 2' x 2' LIGHT |
|  | EXHAUST FAN |  | RECESSED CAN LIGHT |
|  | RETURN AIR |  | PENDANT LIGHT FIXTURE |
|  | EXIT SIGN |  | 2' x 2' LAY-IN ACOUSTICAL CEILING |
|  | CEILING MOUNTED MOTION SENSOR |  | VRF MINI CASSETTE |
|  | RECESSED FIRE SPRINKLER | | |

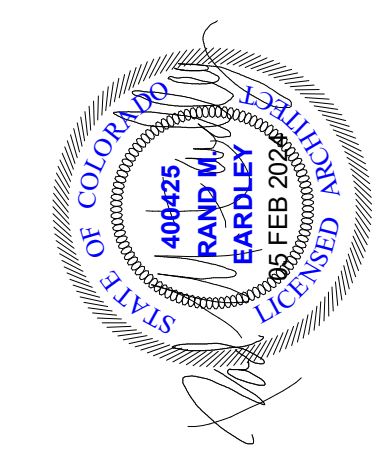
REFLECTED CEILING PLAN GENERAL NOTES

- SEE ARCHITECTURAL DETAIL SHEET A-501 FOR SUSPENDED CEILING GRID DETAILS.
- COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR TYPE AND PLACEMENT OF MECHANICAL AND ELECTRICAL COMPONENTS.

KEYED NOTES

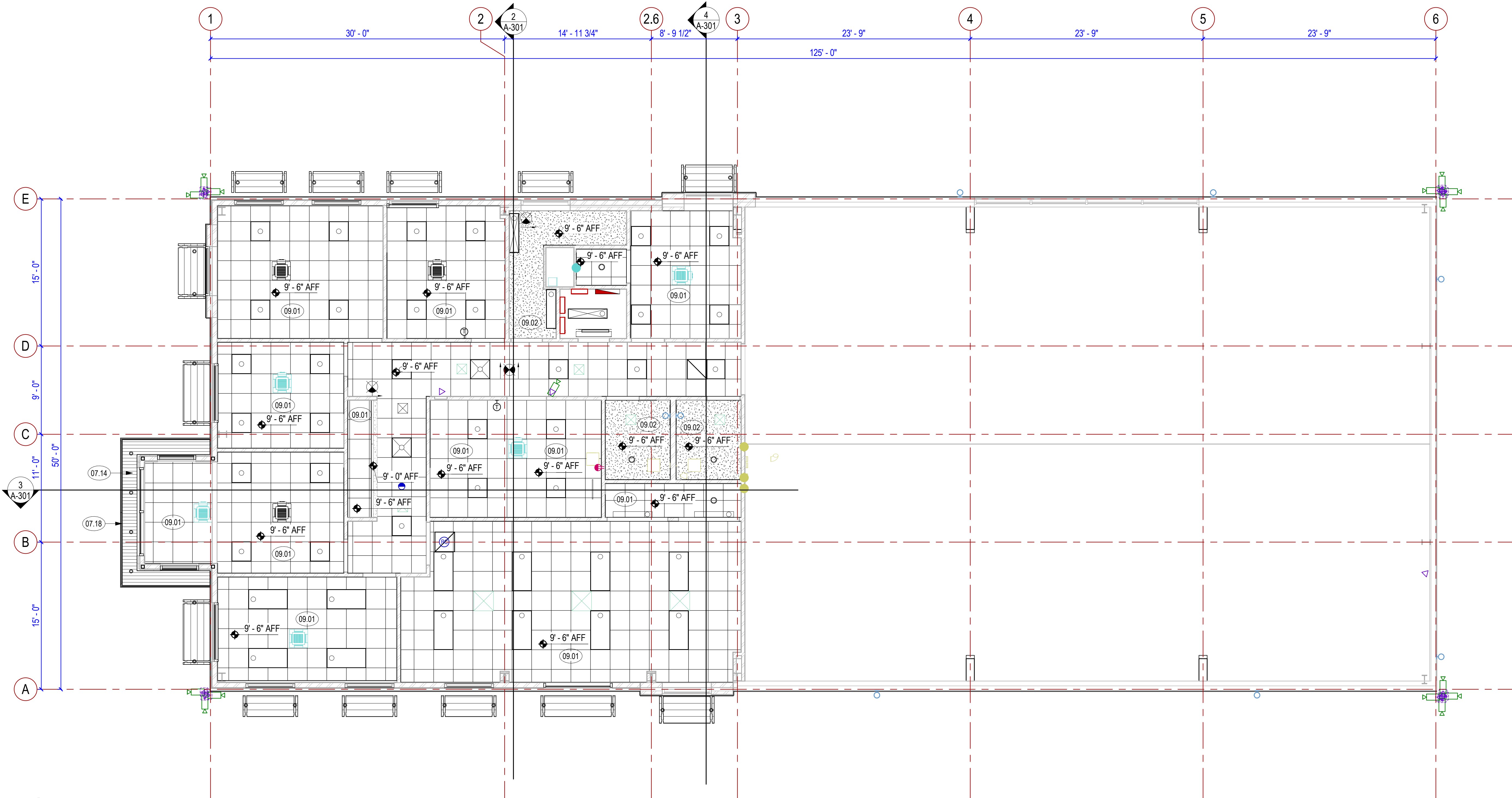
- 07.14 ALUMINUM SOFFIT; COLOR MIDNIGHT BRONZE
- 07.18 METAL FASCIA; COLOR MIDNIGHT BRONZE
- 09.01 MINERAL FIBER ACOUSTICAL CEILING TILE, MINIMUM CAC OF 35 AND NRC OF .6, ARMSTRONG ULTIMA RECOMMENDED
- 09.02 GYPSUM BOARD CEILING; FOR GYPSUM BOARD CEILINGS SPANNING GREATER THAN 48" USE 12 GAUGE WIRE TIES AT 48" ON CENTER

NOTE:
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1 2ND FLOOR REFLECTED CEILING PLAN
3/16" = 1'-0"



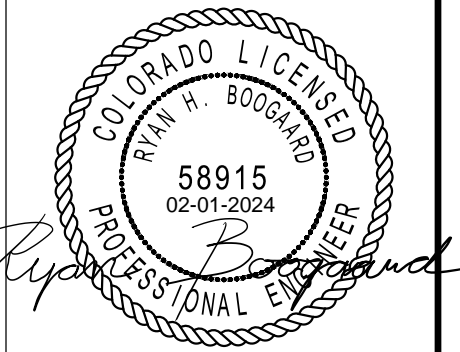
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| Designed by: RME | Submitted: 05 FEB 2024 | REV: |
| Drawn by: WAR | File: | |
| Reviewed by: JTP | Scale: As indicated | |
| Submitted by: | Project Number: | |

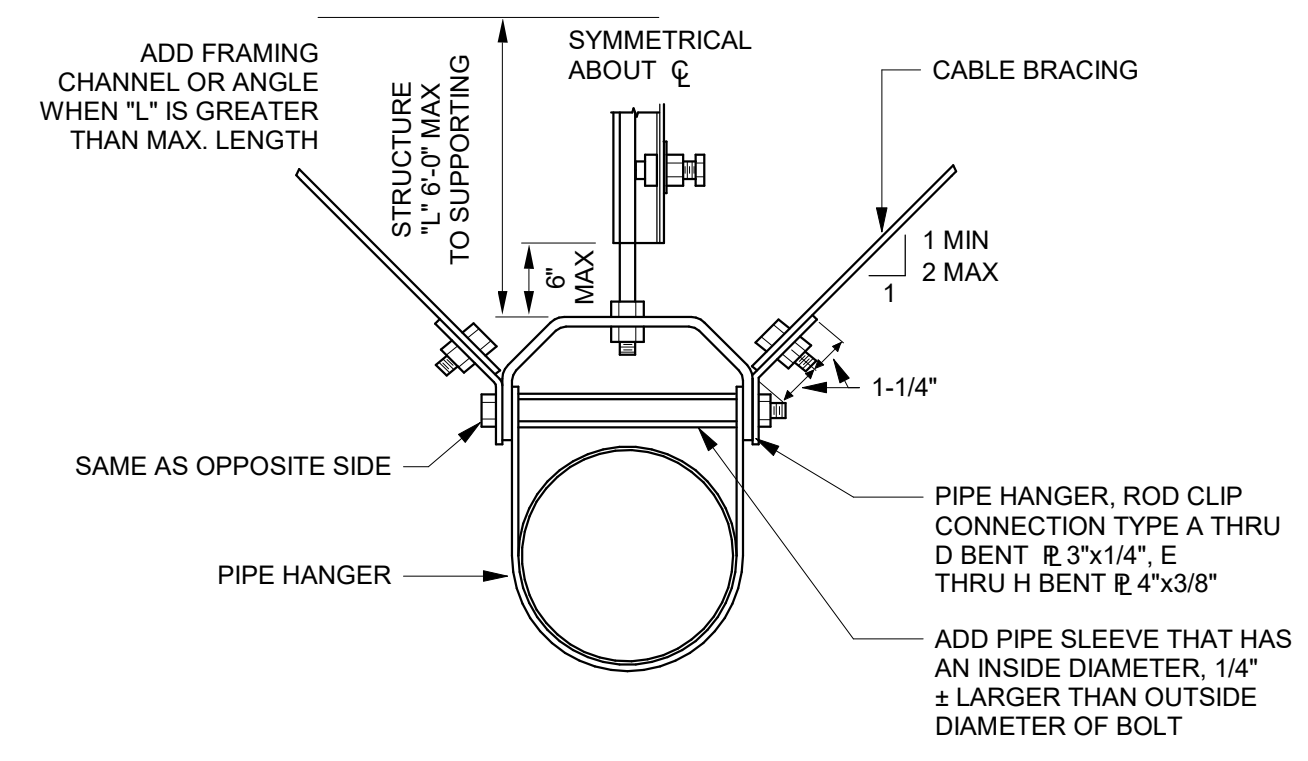
RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

SECOND FLOOR REFLECTED CEILING PLAN

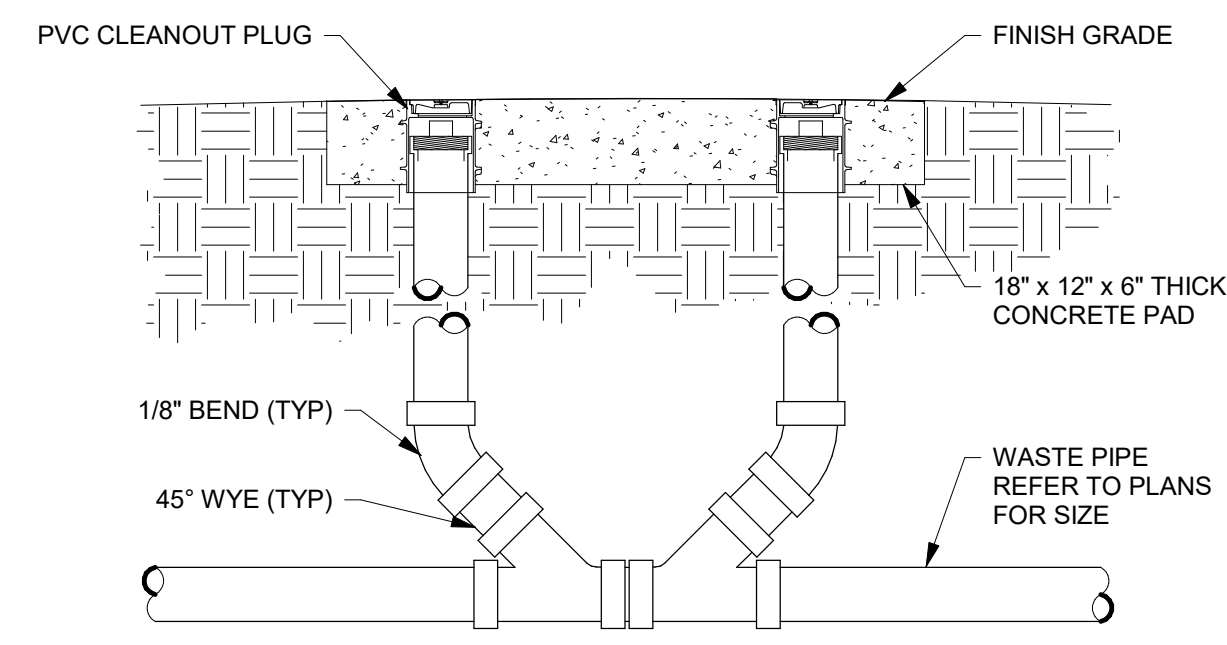
SHEET NUMBER
A-702



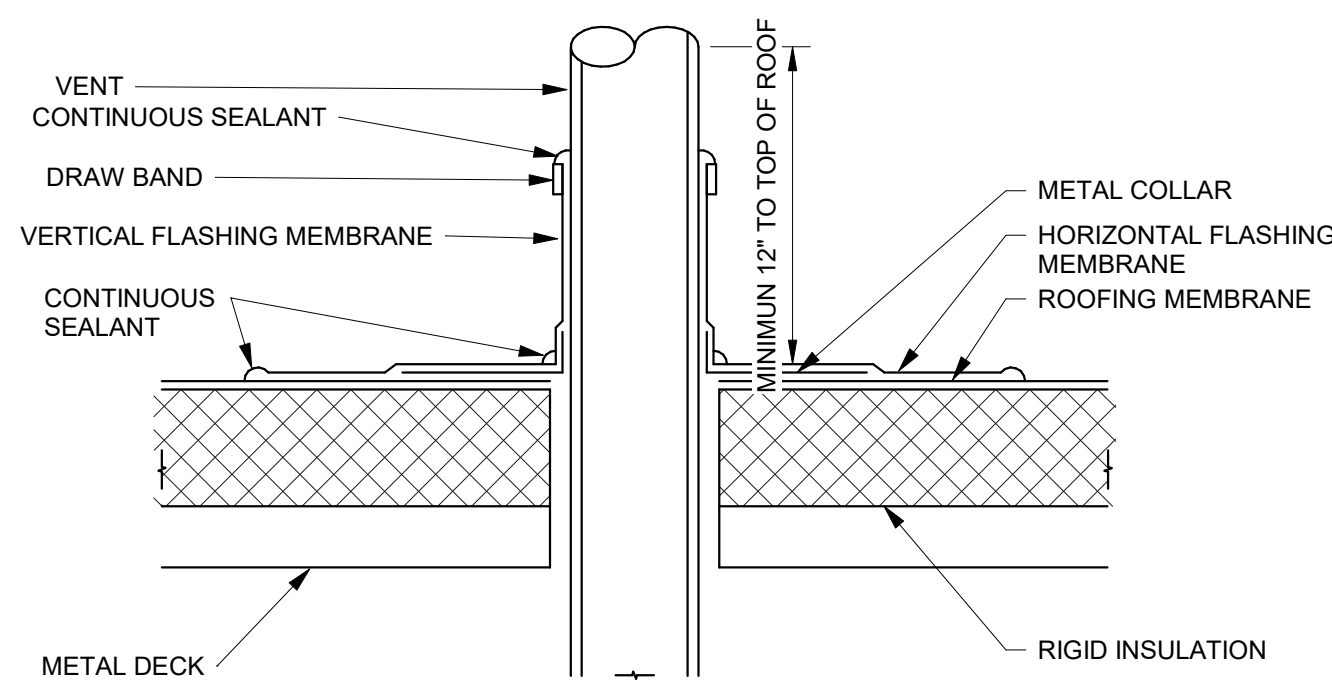
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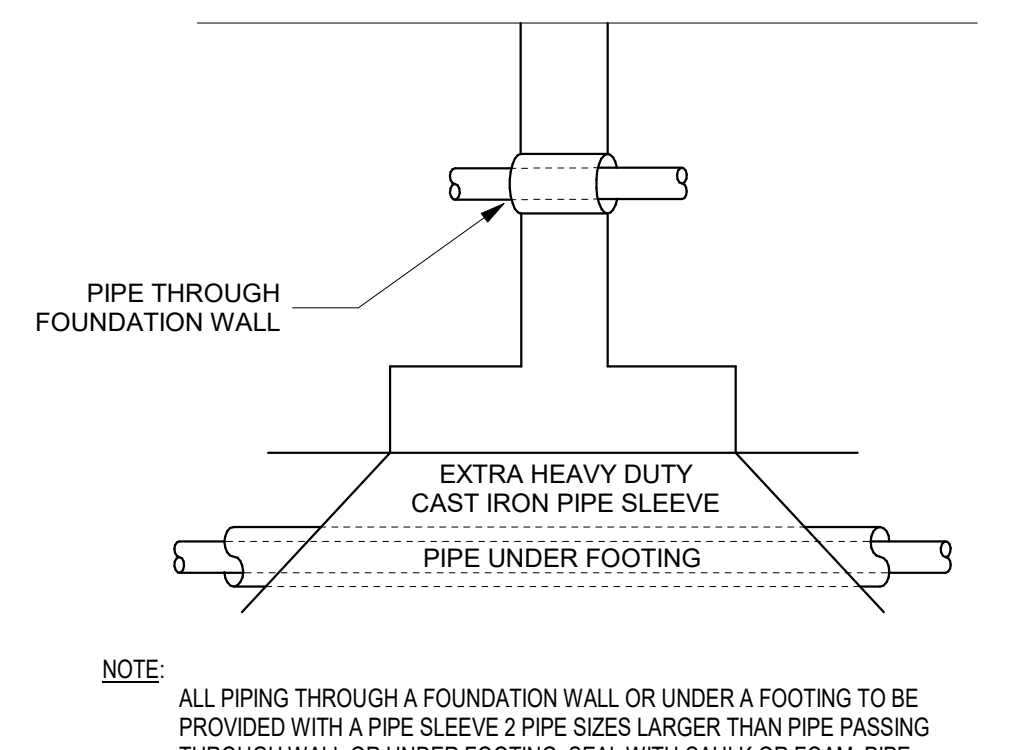
4D CABLE BRACING FOR PIPES
 1/8" = 1'-0"



5D CLEANOUT - TWO-WAY DETAIL
 1/8" = 1'-0"

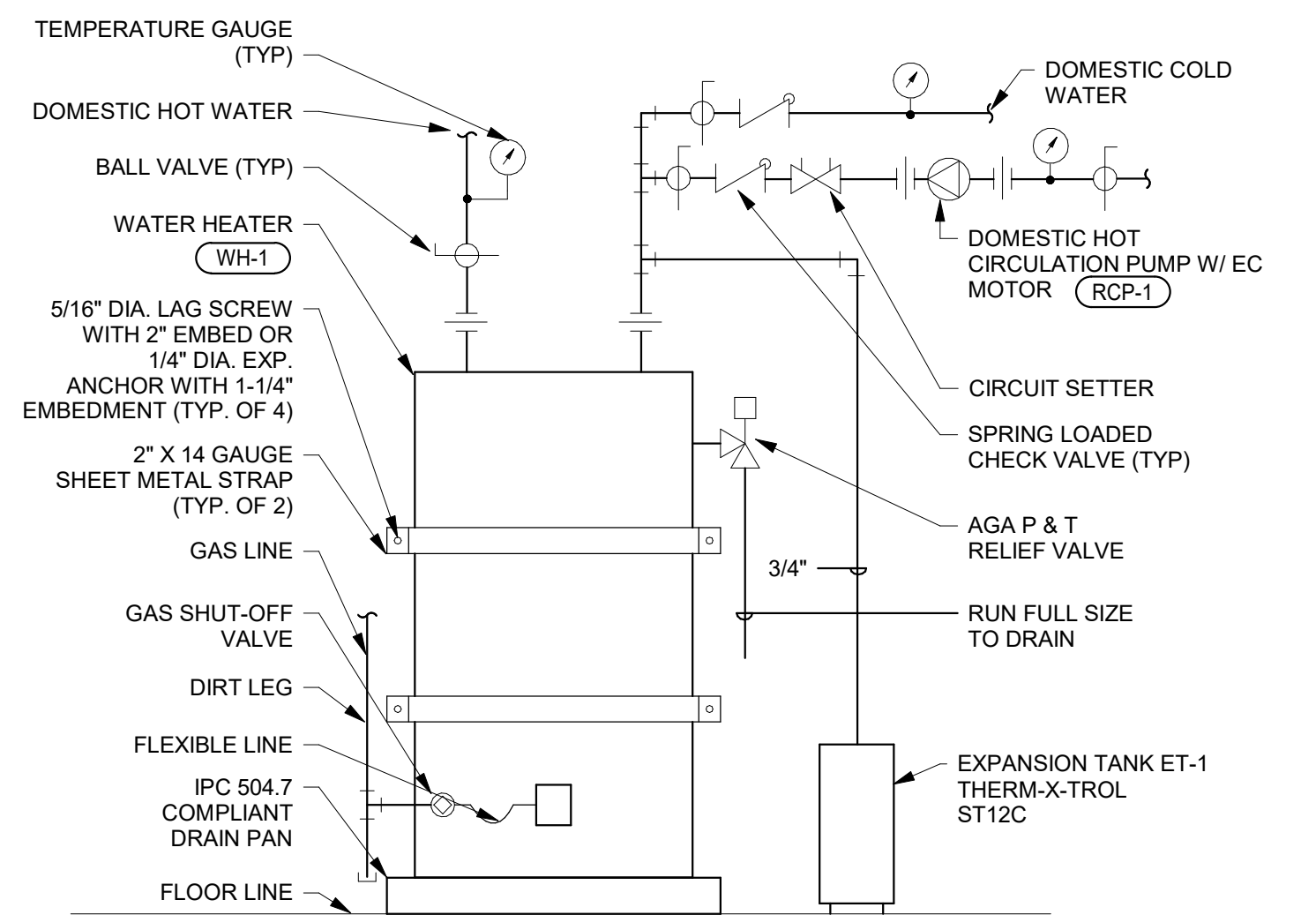


4C VENT THRU ROOF DETAIL
 1" = 10'-0"



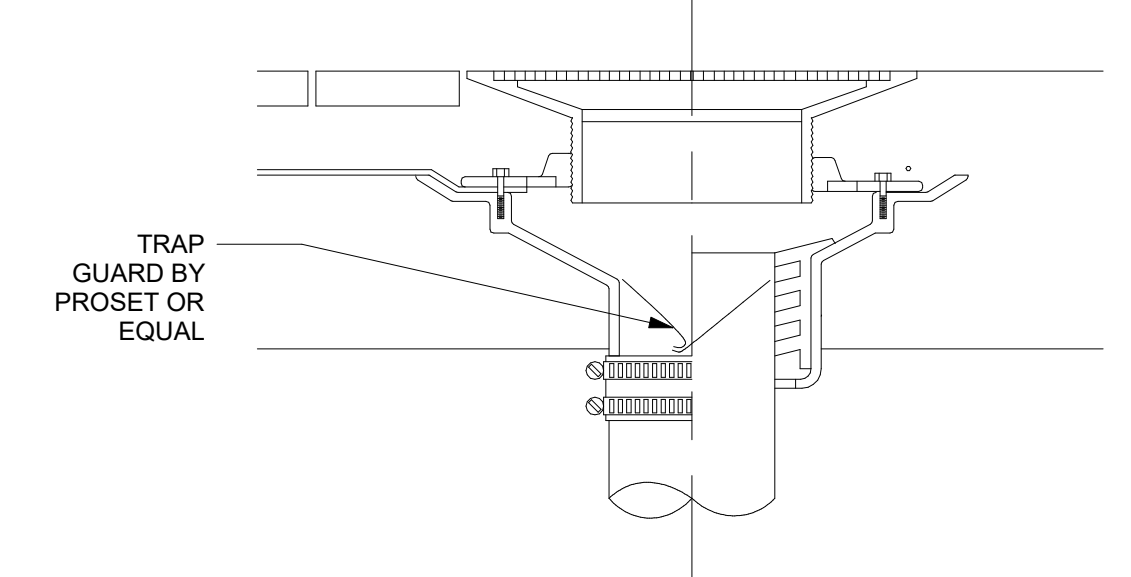
NOTE: ALL PIPING THROUGH A FOUNDATION WALL OR UNDER A FOOTING TO BE PROVIDED WITH A PIPE SLEEVE 2 PIPE SIZES LARGER THAN PIPE PASSING THROUGH WALL OR UNDER FOOTING. SEAL WITH CAULK OR FOAM. PIPE SLEEVE UNDER FOOTING TO BE A MINIMUM OF 2\"/>

5C PIPE UNDER FOOTING DETAIL
 1/8" = 1'-0"

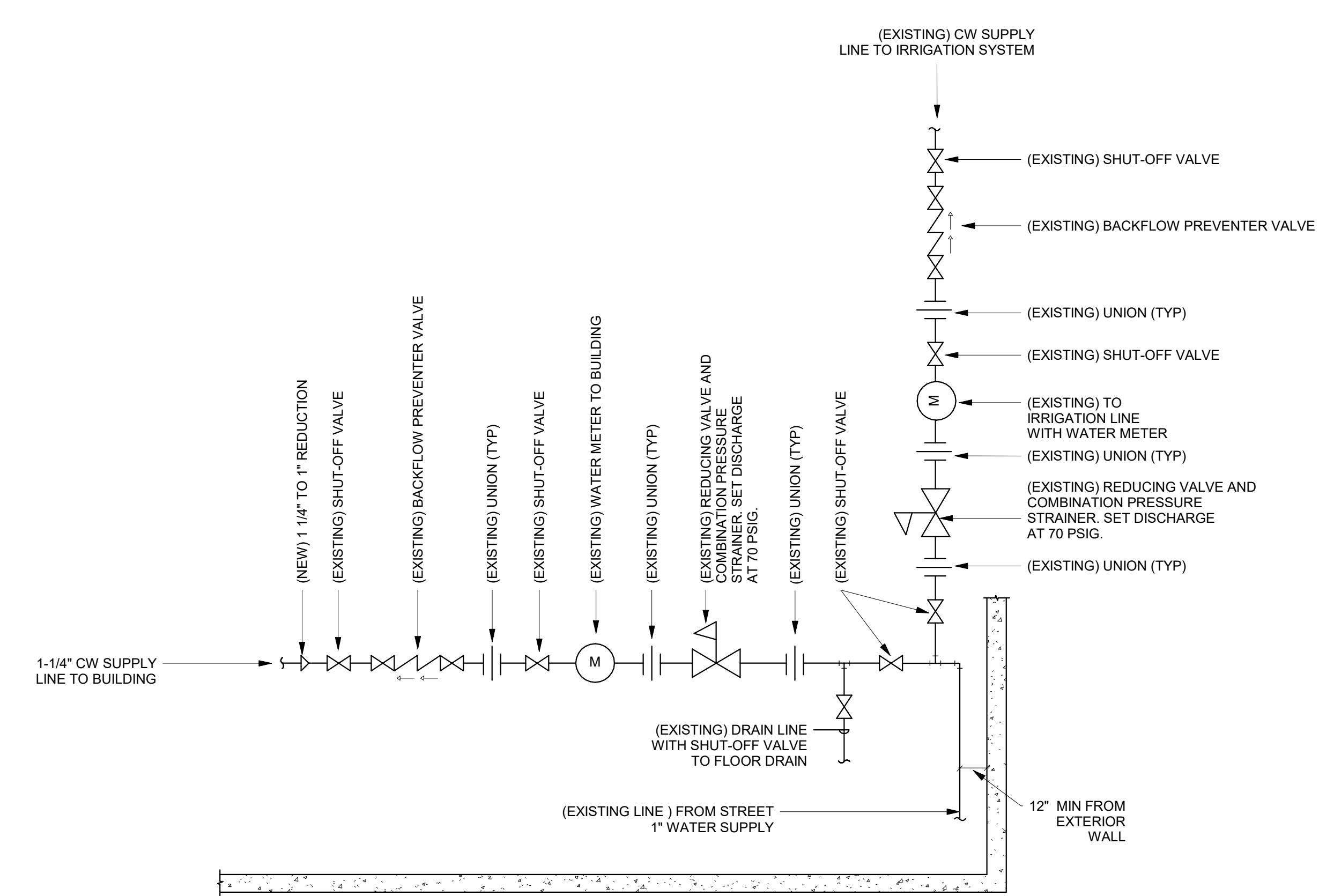


NOTE: STORE WATER AT 140 F
NOTE: PROVIDE MIXING VALVES AT ALL HAND WASHING FIXTURES
NOTE: PROVIDE THERMOSTATICALLY BALANCED HOT WATER RECIRCULATION VALVES AT INDICATED LOCATIONS
NOTE: RECIRCULATION PUMP CONTROL TO AUTOMATICALLY OPERATE THE PUMP PER IECC 404.8.1

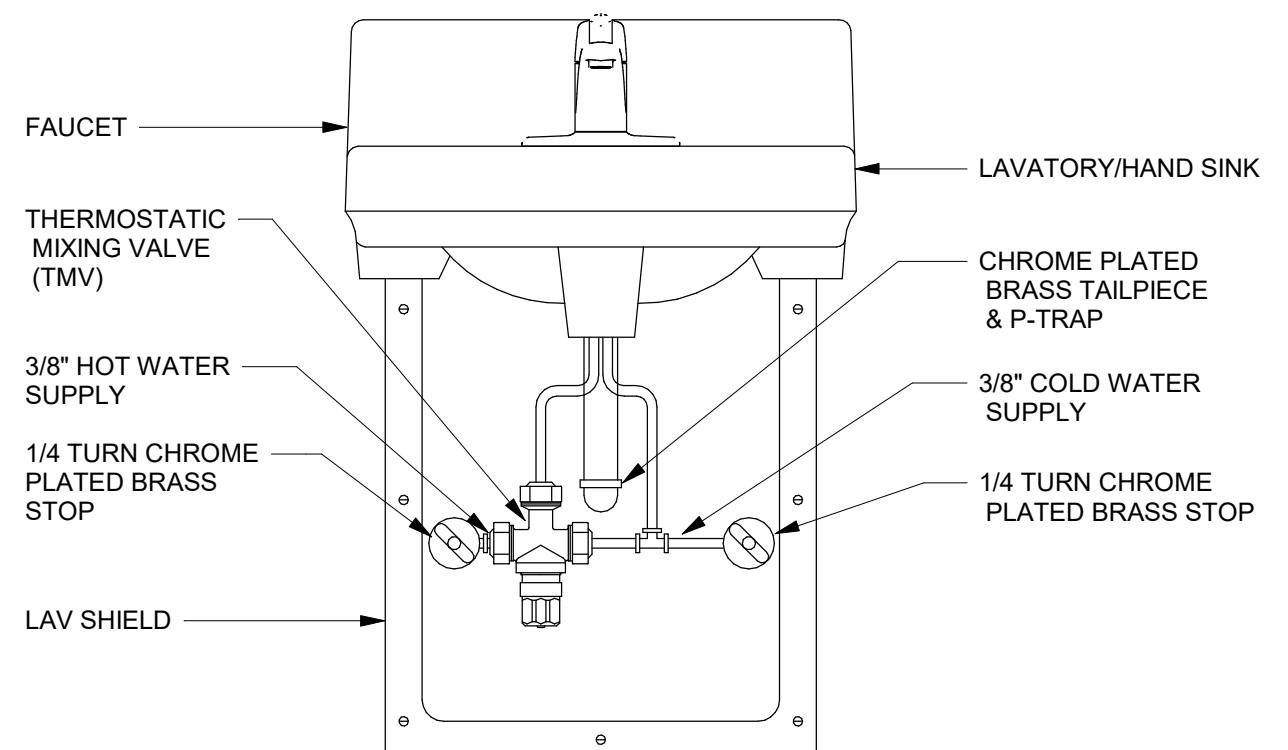
4B WATER HEATER W/ RECIRC
 1/8" = 1'-0"



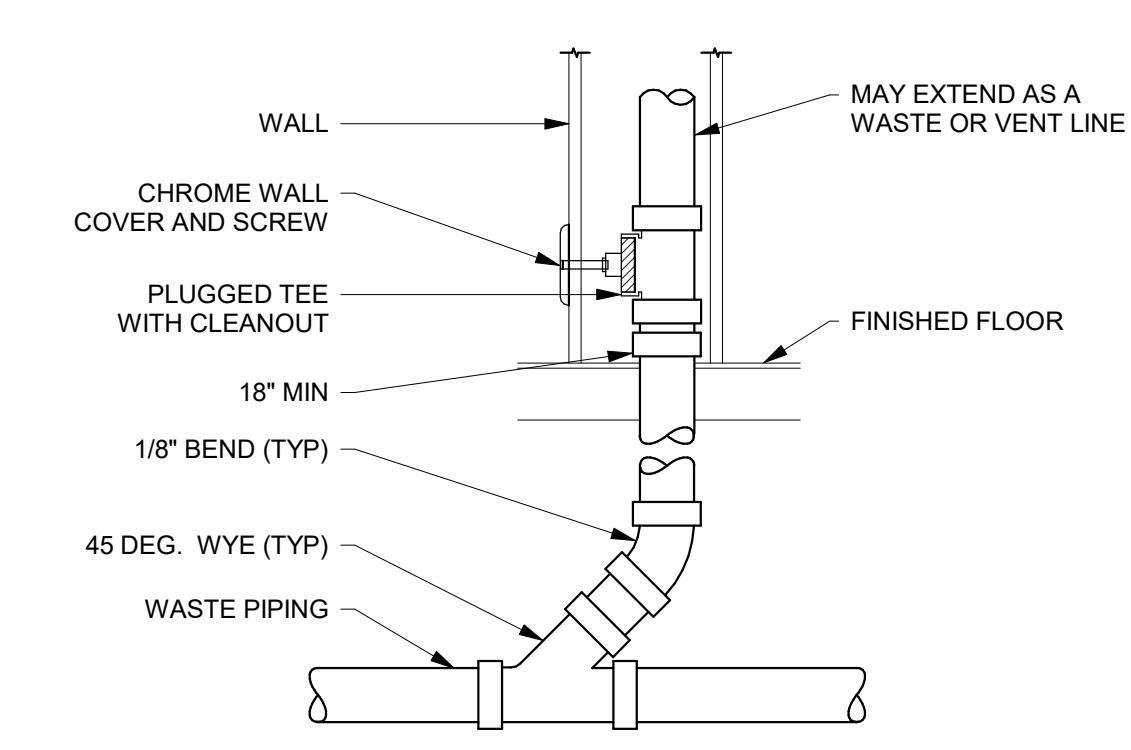
5B FLOOR DRAIN DETAIL
 1/8" = 1'-0"



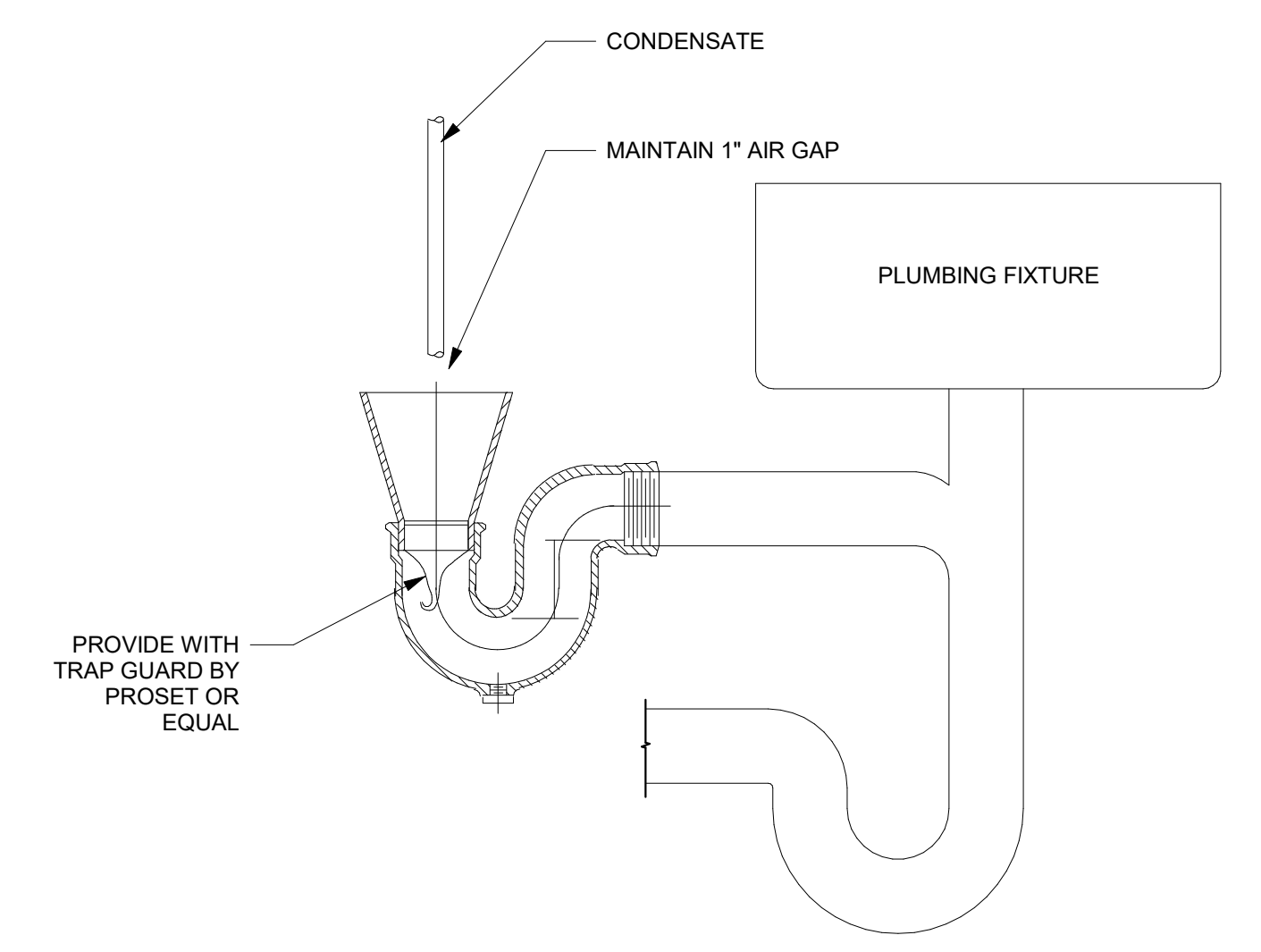
1A (EXISTING) WATER METER DETAIL
 1/8" = 1'-0"



3A THERMOSTATIC MIXING VALVE AT HAND SINK
 1/4" = 1'-0"



4A WALL CLEANOUT DETAIL
 1/8" = 1'-0"



5A FUNNEL DRAIN DETAIL
 1/8" = 1'-0"

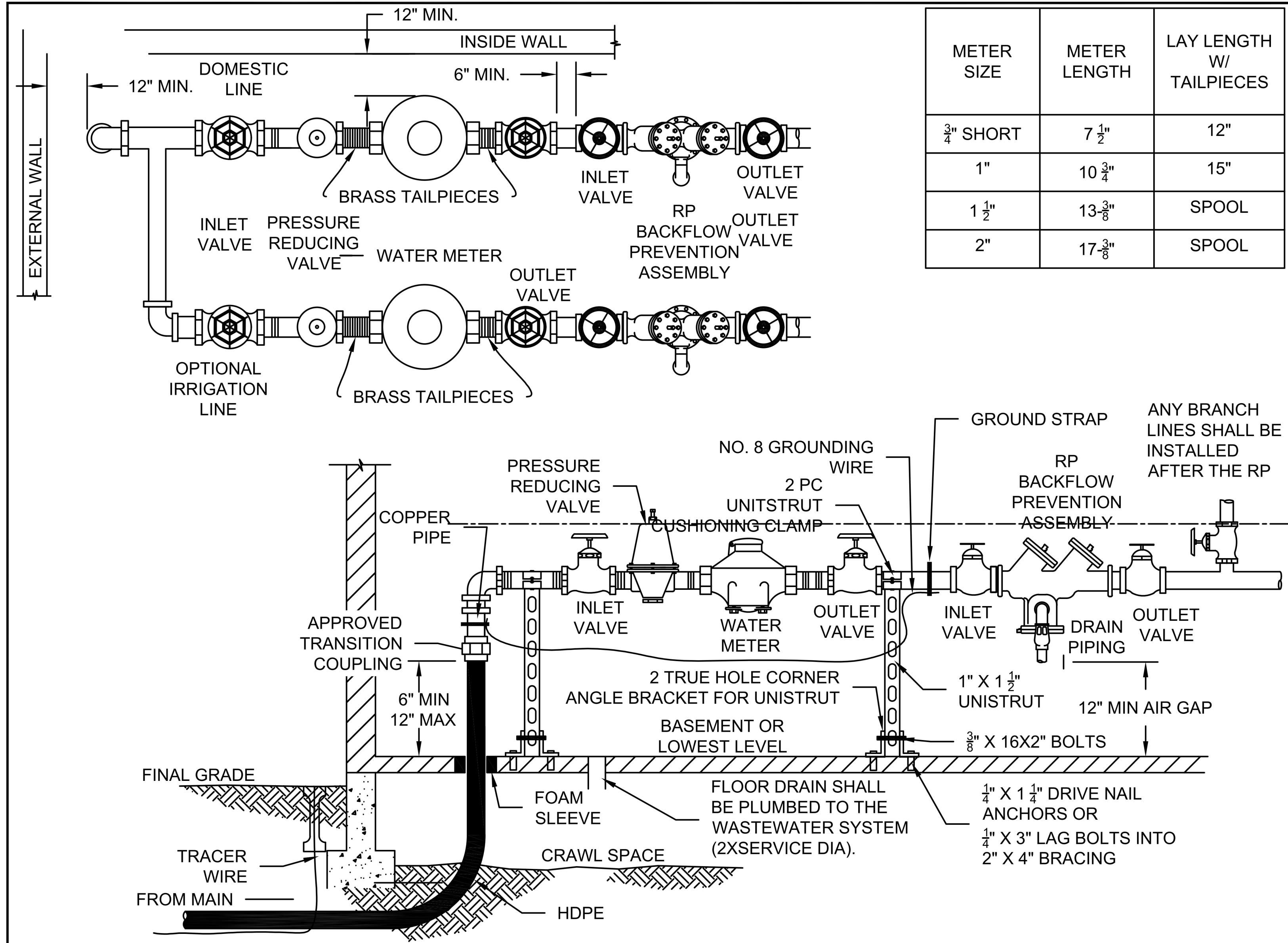
| REV. | Date | Description |
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|----------------------|----------------------|---------------------|------------------------|------------------------------|
| Submitted by: RHB | Date: 06 FEB 2024 | File: | Scale: As indicated | Project Number: EJ230027P |
| Designed by: RHB | Drawn by: LGG | Reviewed by: RHB | Submitted by: RHB | |

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 875 Valley St
 Colorado Springs, CO
 80915

PLUMBING DETAILS



| METER SIZE | METER LENGTH | LAY LENGTH W/ TAILPIECES |
|------------|--------------|--------------------------|
| 3/4" SHORT | 7 1/2" | 12" |
| 1" | 10 3/4" | 15" |
| 1 1/2" | 13 3/8" | SPOOL |
| 2" | 17 3/8" | SPOOL |

NOTES:

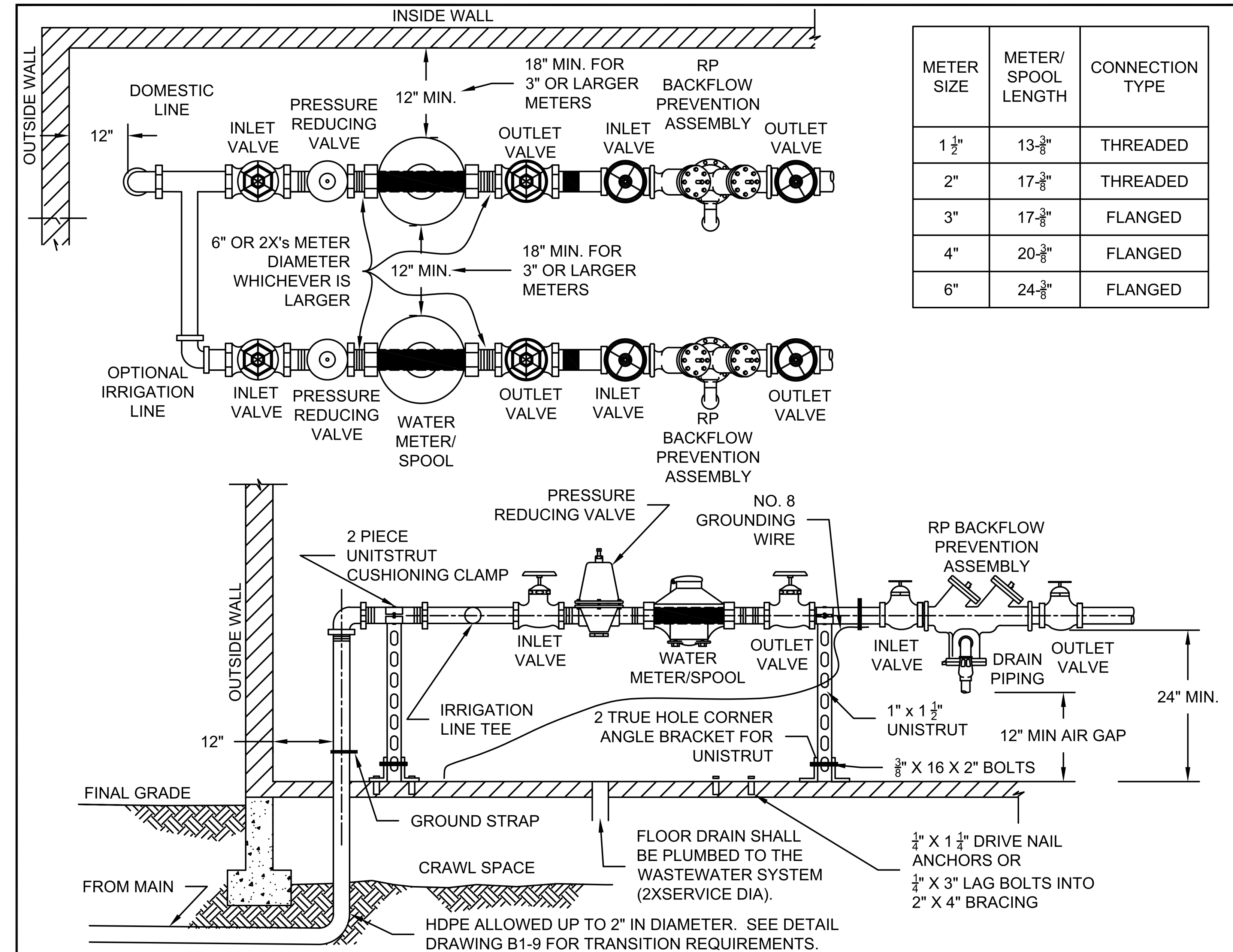
1. THE METER SHALL BE PROVIDED AND INSTALLED BY CHEROKEE METROPOLITAN DISTRICT.
2. REFERENCE SECTION 2.7.J (WATER METERS) FOR METER LOOP REQUIREMENTS.
3. METERS MUST BE LOCATED ON THE LOWEST FLOOR OF THE STRUCTURE. METERS SHALL NOT BE INSTALLED IN CRAWL SPACES, AREAS ONLY ACCESSIBLE BY LADDER, OR DESIGNATED STORAGE AREAS.
4. AN APPROVED TRANSITION COUPLING SHALL BE INSTALLED A MIN OF 6" AND A MAX OF 12" FROM THE FLOOR. THE METER LOOP SHALL BE CONSTRUCTED OF COPPER, DUCTILE IRON OR STEEL.
5. ALL FITTINGS IN THE METER LOOP SHALL BE SOLDERED, FIXED FLANGED OR THREADED.
6. THE METER MUST BE INSTALLED WITH THE CLEARANCE DIMENSIONS AS SHOWN ABOVE. ONE SIDE OF THE METER SHALL BE FREE FROM ANY OBSTRUCTION. 3' MINIMUM CLEARANCE IS REQUIRED ABOVE AND IN FRONT OF THE METER. 24" MINIMUM CLEARANCE IS REQUIRED BETWEEN THE METER LOOP AND ELECTRICAL OUTLETS.
7. BRASS INLET AND OUTLET VALVES SHALL BE INSTALLED ON EACH SIDE OF THE METER. INLET AND OUTLET VALVES SHALL BE FULL OPENING, GATE OR BALL VALVES WHICH CLOSE IN DIRECTION OF FLOW. NO CONNECTIONS ARE ALLOWED BETWEEN THE INLET AND OUTLET VALVES.
8. A MINIMUM OF 5' OF COPPER IS REQUIRED AFTER THE METER EXCEPT WHERE A MANIFOLD (MANIBLOCK) SYSTEM IS USED DIRECTLY AFTER THE METER AND IS SUPPORTED.
9. THE METER SHALL BE SECURED WITH UNISTRUT BEFORE AND AFTER THE INLET AND OUTLET VALVES AS SHOWN. UNISTRUT SHALL BE ANCHORED TO THE COPPER PIPE.
10. GROUNDING IS REQUIRED TO ELIMINATE POTENTIAL FOR DISCHARGE OF STATIC ELECTRICITY CAUSED BY FLOW OF WATER THROUGH PIPING. GROUNDING STRAP NOT REQUIRED ON PREFABRICATED LOOPS.
11. GAS FLEX LINE SERVICES SHALL BE LOCATED A MINIMUM OF 18" FROM THE METER LOOP.
12. A BACKFLOW PREVENTION ASSEMBLY IS REQUIRED, IT SHALL BE LOCATED BEFORE THE FIRST BRANCH LINE. FOR BACKFLOW PREVENTION ASSEMBLY REQUIREMENTS, INCLUDING LOCATION, SEE SECTION 2.7.L.
13. THE BACKFLOW PREVENTER SHALL BE SOLDERED OR FIXED FLANGED.



TYPICAL INSTALLATION FOR 3/4" THRU 2" METERS INSIDE NON-SINGLE-FAMILY-RESIDENTIAL CONNECTION HDPE SERVICE

B1-9

DATED 7/2021



| METER SIZE | METER/SPOOL LENGTH | CONNECTION TYPE |
|------------|--------------------|-----------------|
| 1 1/2" | 13 3/8" | THREADED |
| 2" | 17 3/8" | THREADED |
| 3" | 17 3/8" | FLANGED |
| 4" | 20 3/8" | FLANGED |
| 6" | 24 3/8" | FLANGED |

NOTES:

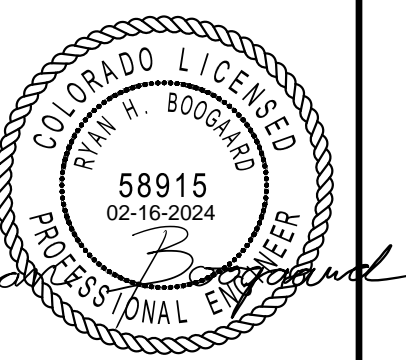
1. THE METER SHALL BE PROVIDED AND INSTALLED BY CHEROKEE METROPOLITAN DISTRICT.
2. METER LENGTHS VARY WITH CERTAIN TYPES OF METER, EXACT DIMENSIONS SHOULD BE OBTAINED FROM CHEROKEE METROPOLITAN DISTRICT
3. REFERENCE SECTION 2.7.J (WATER METERS) FOR METER LOOP REQUIREMENTS.
4. METERS MUST BE LOCATED ON THE LOWEST FLOOR OF THE STRUCTURE. METERS SHALL NOT BE INSTALLED IN CRAWL SPACES, AREAS ONLY ACCESSIBLE BY LADDER, OR DESIGNATED STORAGE AREAS.
5. THE METER LOOP SHALL BE CONSTRUCTED OF COPPER, DUCTILE IRON OR STEEL.
6. ALL FITTINGS IN THE METER LOOP SHALL BE SOLDERED, FIXED FLANGED OR THREADED.
7. THE METER MUST BE INSTALLED WITH THE CLEARANCE DIMENSIONS AS SHOWN ABOVE. ONE SIDE OF THE METER SHALL BE FREE FROM ANY OBSTRUCTION. 3' MINIMUM CLEARANCE IS REQUIRED ABOVE AND IN FRONT OF THE METER. 24" MINIMUM CLEARANCE IS REQUIRED BETWEEN THE METER LOOP AND ELECTRICAL OUTLETS.
8. BRASS INLET AND OUTLET VALVES SHALL BE INSTALLED ON EACH SIDE OF THE METER. INLET AND OUTLET VALVES SHALL BE FULL OPENING, GATE OR BALL VALVES WHICH CLOSE IN DIRECTION OF FLOW. NO CONNECTIONS ARE ALLOWED BETWEEN THE INLET AND OUTLET VALVES.
9. A MIN. OF 6" IS REQUIRED BETWEEN VALVE AND METER FLANGES, OR 2X'S THE DIAMETER OF METER, WHICHEVER IS GREATER.
10. A MINIMUM OF 5' OF COPPER IS REQUIRED AFTER THE METER EXCEPT WHERE A MANIFOLD (MANIBLOCK) SYSTEM IS USED DIRECTLY AFTER THE METER AND IS SUPPORTED.
11. BRACING 1 1/2" & 2" METER SHALL BE AS SHOWN. FOR METERS 3" OR GREATER SHALL BE DESIGNED TO ANCHOR METER LOOP AND KEEP SECURED. SUPPORT SHALL BE ATTACHED TO FLOOR.
12. GROUNDING IS REQUIRED TO ELIMINATE POTENTIAL FOR DISCHARGE OF STATIC ELECTRICITY CAUSED BY FLOW OF WATER THROUGH PIPING. GROUNDING STRAP NOT REQUIRED ON PREFABRICATED LOOPS.
13. GAS FLEX LINE SERVICES SHALL BE LOCATED A MINIMUM OF 18" FROM THE METER LOOP.
14. A BACKFLOW PREVENTION ASSEMBLY IS REQUIRED, IT SHALL BE LOCATED BEFORE THE FIRST BRANCH LINE. FOR BACKFLOW PREVENTION ASSEMBLY REQUIREMENTS, INCLUDING LOCATION, SEE SECTION 2.7.L.
15. THE BACKFLOW PREVENTER SHALL BE SOLDERED OR FIXED FLANGED.



TYPICAL INSTALLATION FOR 1-1/2" THRU 6" METERS INSIDE BUILDING

B1-11A

DATED 11/2020



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| REV. | DATE | DESCRIPTION |
|-------------------------|-------------|-------------|
| Submitted by: RHB | 06 FEB 2024 | |
| Drawn by: LCG | | |
| Reviewed by: RHB | | |
| Submitted by: RHB | | |
| Scale: 1/4" = 1'-0" | | |
| Project Number: E32002P | | |

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PLUMBING DETAILS

SHEET NUMBER
PE502

SANITARY SEWER DEMAND

BASIS FOR DESIGN

2018 INTERNATIONAL PLUMBING CODE - MINIMUM SLOPE = 1/8" PER FOOT
CHAPTER 7 - SANITARY DRAINAGE- REQUIRED PIPE SIZE = **4"**

TABLE 710.1(1) - BUILDING DRAINS AND SEWERS - 180 DFUS PERMITTED ON MAIN

| EQUIPMENT | QUANTITY | INDIVIDUAL DRAINAGE FIXTURE UNIT | TOTAL DRAINAGE FIXTURE UNITS |
|---|-----------|----------------------------------|------------------------------|
| DRINKING FOUNTAIN | 2 | 1 | 2 |
| FLOOR DRAINS | 11 | 2 | 22 |
| KITCHEN SINK | 2 | 2 | 4 |
| LAUNDRY TRAYS (1 TO 3) | 1 | 2 | 2 |
| LAVATORY | 5 | 1 | 5 |
| SERVICE SINK | 2 | 2 | 4 |
| WATER CLOSET, FLUSHOMETER TANK, PUBLIC OR PRIVATE | 5 | 4 | 20 |
| TOTAL | 28 | | 59 |

DOMESTIC COLD WATER DEMAND

2018 INTERNATIONAL PLUMBING CODE - TABLE E103.3(3) ESTIMATED DEMAND (GPM): 22.5

EXISTING PIPE SIZE (WATER SUPPLY LINE FROM CITY): 1"

PIPE SIZE (WATER SUPPLY AFTER EXISTING WATER METER TO BUILDING): 1-1/4"

LONGEST BRANCH LENGTH (INSIDE BUILDING): 170 FT

2018 INTERNATIONAL PLUMBING CODE - FIGURE E103.3(5) PIPE FRICTION (PSI / 100 FT): 7.88

PIPE VELOCITY (FEET / SECOND): 4.82

| EQUIPMENT | OCCUPANCY | TYPE OF SUPPLY CONTROL | QUANTITY | COMBINED WATER SUPPLY FIXTURE UNITS (WSFU) | TOTAL WATER SUPPLY FIXTURE UNITS (WSFU) |
|---|---------------|------------------------|-----------|--|---|
| DRINKING FOUNTAIN | OFFICES, ETC. | 3/8" VALVE | 2 | 1 | 2 |
| EMERGENCY EYE WASH | PUBLIC | MIXING VALVE | 1 | 1 | 1 |
| KITCHEN SINK | PRIVATE | FAUCET | 2 | 1.4 | 2.8 |
| LAUNDRY TRAYS (1 TO 3) | PRIVATE | FAUCET | 1 | | 0 |
| LAVATORY | PUBLIC | FAUCET | 5 | 2 | 10 |
| SERVICE SINK | OFFICES, ETC. | FAUCET | 2 | 3 | 6 |
| SHOWER HEAD | PRIVATE | MIXING VALVE | 1 | 1.4 | 1.4 |
| WATER CLOSET, FLUSHOMETER TANK, PUBLIC OR PRIVATE | PUBLIC | FLUSH TANK | 5 | 2.2 | 11 |
| TOTAL | | | 19 | | 34.2 |

WATER HEATER (GAS)

| ACCEPTABLE MANUFACTURERS: | | REMARKS: | | | | | | | | | | |
|---|----------|---|-----------------------|------------------|------------------|------------|-------|----|------------------------|--------------|---------|---------|
| LOCHINVAR AO SMITH BRADFORD WHITE RHEEM STATE BOCK | | (1) PROVIDE WITH CONCENTRIC VENT KIT. (2) PROVIDE WITH EXPANSION TANK THERM-X-TROL ST-12. (3) PROVIDE WITH UPPER AND LOWER SEISMIC STRAPS WITH TWO 5/16" LAG SCREWS HAVING 2" OF EMBED AT EACH CONNECTION LOCATION. (4) WATER HEATER TO BE ULTRA LOW NOX. (5) PROVIDE ALUMINUM WATER HEATER PAN AND ROUTE DRAIN TO FLOOR DRAIN. | | | | | | | | | | |
| LABEL | LOCATION | TANK SIZE (GAL) | RECOVERY GPH @ 90° ΔT | GAS INPUT (BTUH) | EFFICIENCY (UEF) | ELECTRICAL | | | OPERATING WEIGHT (LBS) | MANUFACTURER | MODEL | REMARKS |
| WH-1 | LEVEL 1 | 40 | 74 | 40,000 | 0.68 | VOLTS | PHASE | Hz | 219 | A.O. Smith | GPDL 40 | ALL |

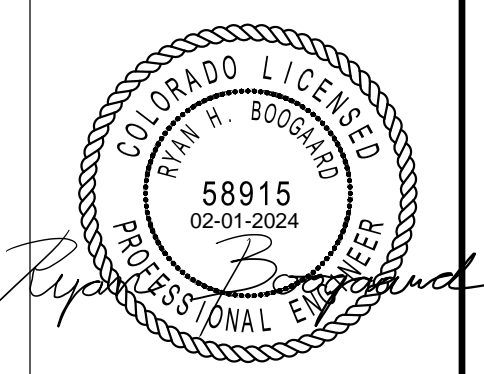
RECIRCULATION PUMP SCHEDULE

| ACCEPTABLE... | | REMARKS: | | | | | | | | | |
|---|-------------|--|-----|-----------|-----------------|------------|-------|----|--------------|----------|---------|
| BELL & GOSSETT ARMSTRONG TACO GRUNDFOS | | (1) BALANCE DOMESTIC HOT WATER RECIRCULATING LINE. PROVIDE BALANCING VALVE. PROVIDE P&T PORT ON INLET AND DISCHARGE OF PUMP. PROVIDE BALANCE REPORT TO ENGINEER. (2) PROVIDE WITH BRONZE, PLASTIC, OR STAINLESS STEEL IMPELLER AND STAINLESS STEEL BODY. (3) RUN IN CONSTANT PRESSURE MODE IN CONJUNCTION WITH CALEFFI MODEL 116 THERMAL BALANCING VALVES TO ALLOW PUMP TO RUN AT LOWER SPEED WHEN HOT WATER IS RUNNING. | | | | | | | | | |
| LABEL | DESIGNATION | LIQUID TYPE | GPM | HEAD (FT) | MAX. TEMP. (°F) | ELECTRICAL | | | MANUFACTURER | MODEL | REMARKS |
| RCP-1 | INLINE PUMP | WATER | 2.2 | 12.00 | 35°F - 230°F | VOLTS | PHASE | Hz | GRUNDFOS | ALPHA II | 1,2,3 |

PLUMBING FIXTURE SCHEDULE

REFER TO PLUMBING SPECIFICATIONS FOR COMPLETE FIXTURE COMPONENTS

| LABEL | DESCRIPTION | WASTE | VENT | CW | HW | MANUFACTURER | MODEL | REMARKS |
|-------|--|--------|--------|------|------|--|--|--|
| CHB-1 | CHEMICAL HOSE BIBB | 0" | 0" | 1/2" | 0" | JAY R. SMITH | 5609QT | PROVIDE WITH AN APPROVED TESTABLE CONTINUOUS PRESSURE BACKFLOW PREVENTION ASSEMBLY, PRESSURE VACUUM BREAKER ASSEMBLY, AND SHOULD COMPLIED WITH (ASSE) STANDARD 1055. |
| EWC-1 | EMERGENCY FAUCET MOUNT EYE/FACE WASH STATION / LEVEL 1 | 1 1/2" | 1 1/2" | 1/2" | 0" | FIXTURE: GUARDIAN | FIXTURE: G1201 | ELECTRICAL DATA: 120/1, 5 FLA, 370 WATTS |
| EWC-2 | ELECTRIC WATER COOLER WITH BOTTLER FILLING STATION / LEVEL 2 | 1 1/2" | 1 1/2" | 1/2" | 0" | ELKAY | LZSTLWSSP | ELECTRICAL DATA: 120/1, 5 FLA, 370 WATTS |
| FD-1 | FLOOR DRAIN | 2" | 2" | 0" | 0" | FIXTURE: ZURN TRAP SEAL: RECTORSEAL | FIXTURE: Z415-BZ1 TRAP SEAL: SURESEAL | TRAP SEAL TO MATCH FD SIZE |
| HYD | WALL HYDRANT | 0" | 0" | 0" | 0" | FIXTURE: WOODFORD | FIXTURE: MODEL B65 | PROVIDE WITH KEYPED HANDLE WITH LOCKABLE DOOR |
| KS-1 | UNDERMOUNT SINGLE BOWL KITCHEN SINK | 1 1/2" | 1 1/2" | 1/2" | 1/2" | FIXTURE: ELKAY FAUCET: KOHLER DISPOSER: INSINKERATOR TMV: BRADLEY | FIXTURE: ELGU2522FC FAUCET: LK6000CR DISPOSER: BADGER 5 TMV: S99-4016 SERIES | DISPOSER ELECTRICAL: 1/2 HP, 1725 RPM, 6.3A, 120/1 |
| LAV-1 | UNDERMOUNT OVAL LAVATORY | 1 1/4" | 1 1/2" | 1/2" | 1/2" | FIXTURE: KOHLER FAUCET: KOHLER INSULATION: TRUEBRO TMV: WEBSTONE | FIXTURE: K-2211 FAUCET: K-22022-4 INSULATION: LAVGUARD 2 TMV: H-77211W-TG | SET TMV AT 110 DEG. F. |
| MOP-1 | SERVICE SINK | 3" | 2" | 3/4" | 3/4" | FIXTURE: ACORN FAUCET: DELTA | FIXTURE: TCR-26 FAUCET: 2019 CHEMICAL FAUCET: | PROVIDE HOSE AND HOSE HOLDER, MOP HANGER, BUMPER AND WALL GUARDS |
| SHR | SHOWER | 0" | 0" | 1/2" | 1/2" | FIXTURE: DELTA | PERSONAL HAND HELD SHOWERS: 57051 SHOWER DIVERTER: T11951 SHOWER FAUCET TRIM: T17251 | |
| US-1 | LAUNDRY TUB | 1 1/2" | 1 1/2" | 1/2" | 1/2" | FIXTURE: PROFLO FAUCET: ELKAY | FIXTURE: PFLT2123 FAUCET: LK406HA08T4 | |
| WC-1 | FLOOR MOUNT TANK WATER CLOSET - PRESSURE ASSITED | 3" | 2" | 3/4" | 0" | FIXTURE: AMERICAN STANDARD SEAT: BEMIS | FIXTURE: 2467.016 SEAT: 1955CTJ | PROVIDE WATER CLOSET WITH A MAP SCORE OF 1000. |



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| REV. | DATE | DESCRIPTION |
|------|----------|-------------|
| 1 | 06/22/23 | Aspt |

| | | |
|-----------------|-------------|---|
| Submitted by: | 06 FEB 2024 | 1 |
| Designed by: | RHB | |
| Drawn by: | LCG | |
| Reviewed by: | RHB | |
| Submitted by: | RHB | |
| Project Number: | ES23002TP | |



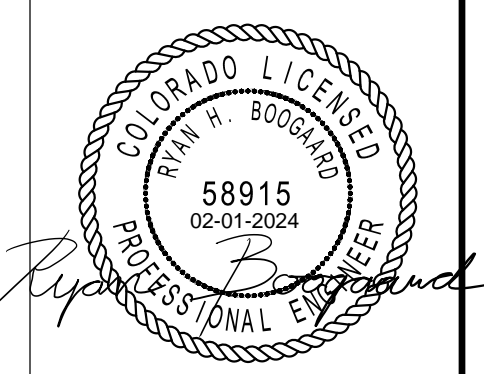
RCH Valley Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO 80915

PLUMBING SCHEDULES

SHEET NUMBER
PE601

1 2 3 4 5

| SHEET KEYNOTES | PLUMBING GENERAL NOTES | PLUMBING GENERAL NOTES |
|---|--|---|
| <ol style="list-style-type: none"> EXISTING GREASE WASTE PIPE TO REMAIN. EXISTING GAS METER TO BE RELOCATED. SEE PL104 FOR REFERENCE. EXISTING WATER METER ARRANGEMENT IN THIS APPROXIMATE LOCATION TO REMAIN. SEE DETAIL 1A/P501. EXISTING DCW PIPING TO BE DEMOLISHED FROM THIS APPROXIMATE LOCATION TO EACH PLUMBING FIXTURES. | <ol style="list-style-type: none"> ALL DOMESTIC WATER PIPING TO BE COPPER. ALL HOT WATER AND HOT WATER RECIRCULATING PIPING TO BE INSULATED WITH 1" UP TO 1-1/4" PIPE AND 1-1/2" INSULATION FOR PIPING 1-1/2" AND LARGER. DOMESTIC COLD WATER PIPING TO BE INSULATED WITH 1/2" UP TO 1-1/4" PIPING AND 1" INSULATION FOR PIPING 1-1/2" OR LARGER. THE CONTRACTOR SHALL CLOSELY COORDINATE MECHANICAL AND PLUMBING WITH ELECTRICAL, ARCHITECTURAL, AND BUILDING STRUCTURE. DISSIMILAR METAL PIPING CONNECTIONS SHALL HAVE DIELECTRIC ISOLATORS. ALL DOMESTIC WATER PIPING TO BE PRESSURE TESTED, CLEANED, AND DISINFECTED. PRESSURE TEST: CAP AND SUBJECT PIPING TO STATIC WATER PRESSURE OF 120 PSIG FOR FOUR HOURS. LEAKS AND LOSS IN TEST PRESSURE CONSTITUTE DEFECTS THAT MUST BE REPAIRED. PROVIDE RESULTS IN WRITTEN REPORT TO ENGINEER UPON COMPLETION. CLEAN AND DISINFECT: FLUSH PIPING SYSTEM, FILL SYSTEM WITH WATER/CHLORINE SOLUTION WITH AT LEAST 50 PPM OF CHLORINE FOR 24 HOURS. THOROUGHLY FLUSH SYSTEM. SUBMIT WATER SAMPLES IN STERILE BOTTLES TO AUTHORITIES HAVING JURISDICTION. PROVIDE REPORT TO ENGINEER STATING PROCEDURE FOLLOWED AND SIGNATURES OF GC AND THAT OF PERSONS PERFORMING PROCEDURE. BALL VALVES SHALL BE FULL PORT AND LEAD FREE. PROVIDE WITH HANDLE/STEM EXTENSIONS FOR PROPER FUNCTION WHEN FULLY INSULATED. EXTENSIONS TO BE SEALED AND VAPOR PROOF. ALL PLUMBING PIPING TO BE LOCATED ON WARM SIDE OF BUILDING ENVELOPE. ALL ROOF DRAIN PIPING (PRIMARY AND SECONDARY) TO BE LOCATED IN BUILDING ENVELOPE AND TO BE FULLY INSULATED, INCLUDING ANY ROOF DRAIN BOWLS. WATER HAMMER ARRESTORS SHALL BE SIZED AND INSTALLED PER PLUMBING AND DRAINAGE INSTITUTE (STANDARD PDI-WH 201) REQUIREMENTS IN ACCESSIBLE LOCATIONS ON THE COLD WATER AND HOT WATER PIPING WHERE FLUSH VALVES OR QUICK CLOSING VALVES ARE USED. ALL DOMESTIC WASTE AND VENT PIPING TO BE CAST IRON OR PVC INSULATED TO MEET FLAME SPREAD AND SMOKE DEVELOPED INDEX. PROVIDE BALANCE REPORT OF DOMESTIC WATER RECIRCULATING SYSTEM TO ENGINEER. PROVIDE P&T PORTS AND PRESSURE GAUGES ON EACH SIDE OF RECIRCULATING PUMP. PROVIDE THERMOMETER ON DISCHARGE SIDE OF PUMP. TEST WASTE AND VENT PIPING FOR LEAKAGE. SEE SPECIFICATIONS. COORDINATE ANY NECESSARY SAW CUTTING, BACKFILL, AND NEW CONCRETE WITH GENERAL. PROVIDE A SAND BED WITH SIX (6") INCHES MINIMUM COVERAGE AROUND ALL BELOW GRADE PIPES. PROVIDE BACKFILL FREE OF BOULDERS LARGER THAN TWO (2") INCHES. COMPACT AND TEST ALL BACKFILL ACCORDING TO ASTM COMPACTION STANDARDS OR PROVIDE PEA GRAVEL BACKFILL. PROVIDE MINIMUM TRENCH WIDTH OF NOT LESS THAN 1.5 TIMES THE PIPE OUTSIDE DIAMETER PLUS 12 INCHES. | <ol style="list-style-type: none"> PIPING SHALL NOT BE SUPPORTED FROM THE ROOF DECK, JOIST BRIDGING OR OTHER PIPES. HANG PIPES FROM BEAMS, JOIST OR SUPPLEMENTARY STRUCTURAL MEMBERS. WHERE POSSIBLE INSTALL ALL PIPING WITHIN 12" FROM SUPPORTING STRUCTURE. WHERE JURISDICTION REQUIRES, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SEISMIC RESTRAINT. PROVIDE DESIGN DRAWINGS TO AUTHORITY HAVING JURISDICTION AND MECHANICAL ENGINEER FOR REVIEW. PROVIDE PORTABLE PUMP (LITTLE GIANT UPSP-5 OR EQUAL) TO OWNER FOR HYDRAULIC ELEVATOR SLUMP. PROVIDE PLUG IN MOISTURE SENSOR WITH AUDIBLE ALARM (FLOODMASTER RS-996 OR EQUAL). NOT REQUIRED FOR TRACTION ELEVATORS. ALL PIPING THROUGH A FOUNDATION WALL OR UNDER A FOOTING TO BE PROVIDED WITH PIPE SLEEVE 2 PIPE SIZES LARGER THAN PIPE PASSING THROUGH WALL OR UNDER FOOTING. SEAL WITH CAULK OR FOAM. PIPE SLEEVE UNDER FOOTING TO BE A MINIMUM OF 2" BELOW FOOTING. PIPE TO BE IRON AND EXTEND BEYOND THE WIDTH OF THE FOOTING AT A 45 DEGREE ON BOTH SIDES OF FOOTING. ALL PLUMBING SYSTEM SHOULD COMPLIANCE WITH 2018 IPC AND CO STATE AMENDMENTS TO 2018 IPC. PLUMBING PIPING SCHEDULE: <ol style="list-style-type: none"> DOMESTIC WATER ABOVE GRADE = TYPE L COPPER - SOLDERED DOMESTIC WATER BELOW GRADE = TYPE K COPPER - SOLDERED WASTE & VENT ABOVE GRADE = CAST IRON - HUBLESS COUPLINGS WITH HEAVY DUTY COUPLINGS WASTE & VENT BELOW GRADE = DWWV SOLID CORE PVC - SOLVENT CEMENT NATURAL GAS PIPING 2" AND SMALLER = SCHEDULE 40 BLACK STEEL PIPE - THREADED NATURAL GAS PIPING BELOW GRADE = POLYETHYLENE PIPE - FUSION WELDED |



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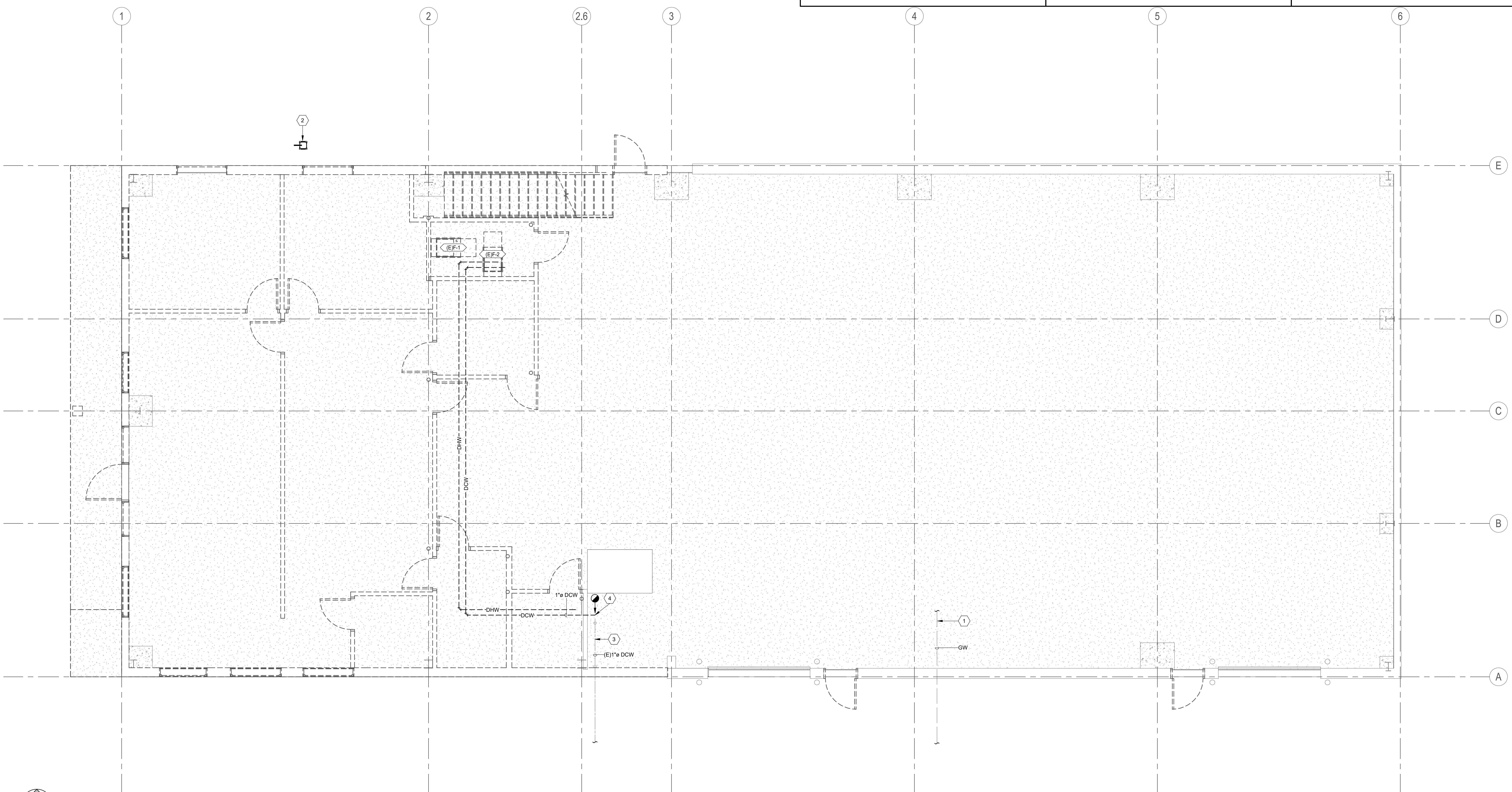
| REV. | DESCRIPTION | DATE | APP. |
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| Submitted by: | 06 FEB 2024 | Scale: | As indicated | Project Number: | EJ230027P |
| Designed by: | RHB | Drawn by: | LCG | Reviewed by: | RHB |
| Submitted by: | RHB | | | | |

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RCH Valley
 Real Color Holdings, LLC
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 LEVEL 1 PLUMBING DEMO PLAN

SHEET NUMBER
PD101



1 LEVEL 1 PLUMBING DEMOLITION PLAN
 1/4" = 1'-0"

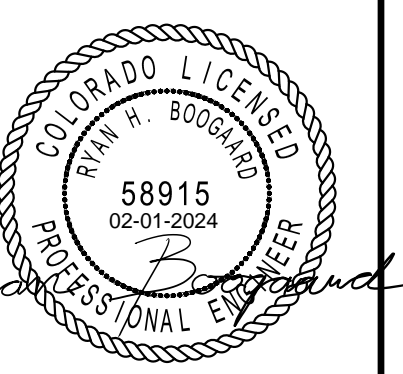
1 2 3 4 5

SHEET KEYNOTES PLUMBING GENERAL NOTES PLUMBING GENERAL NOTES

1 THIS SHEET IS ONLY FOR REFERENCE.

1. ALL DOMESTIC WATER PIPING TO BE COPPER. ALL HOT WATER AND HOT WATER RECIRCULATING PIPING TO BE INSULATED WITH 1" UP TO 1-1/4" PIPE AND 1-1/2" INSULATION FOR PIPING 1-1/2" AND LARGER. DOMESTIC COLD WATER PIPING TO BE INSULATED WITH 1/2" UP TO 1-1/4" PIPING AND 1" INSULATION FOR PIPING 1-1/2" OR LARGER.
2. THE CONTRACTOR SHALL CLOSELY COORDINATE MECHANICAL AND PLUMBING WITH ELECTRICAL, ARCHITECTURAL, AND BUILDING STRUCTURE.
3. DISSIMILAR METAL PIPING CONNECTIONS SHALL HAVE DIELECTRIC ISOLATORS.
4. ALL DOMESTIC WATER PIPING TO BE PRESSURE TESTED, CLEANED, AND DISINFECTED. PRESSURE TEST: CAP AND SUBJECT PIPING TO STATIC WATER PRESSURE OF 120 PSIG FOR FOUR HOURS. LEAKS AND LOSS IN TEST PRESSURE CONSTITUTE DEFECTS THAT MUST BE REPAIRED. PROVIDE RESULTS IN WRITTEN REPORT TO ENGINEER UPON COMPLETION. CLEAN AND DISINFECT: FLUSH PIPING SYSTEM, FILL SYSTEM WITH WATER/CHLORINE SOLUTION WITH AT LEAST 50 PPM OF CHLORINE FOR 24 HOURS. THOROUGHLY FLUSH SYSTEM. SUBMIT WATER SAMPLES IN STERILE BOTTLES TO AUTHORITIES HAVING JURISDICTION. PROVIDE REPORT TO ENGINEER STATING PROCEDURE FOLLOWED AND SIGNATURES OF GC AND THAT OF PERSONS PERFORMING PROCEDURE.
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6. ALL PLUMBING PIPING TO BE LOCATED ON WARM SIDE OF BUILDING ENVELOPE. ALL ROOF DRAIN PIPING (PRIMARY AND SECONDARY) TO BE LOCATED IN BUILDING ENVELOPE AND TO BE FULLY INSULATED, INCLUDING ANY ROOF DRAIN BOWLS.
7. WATER HAMMER ARRESTORS SHALL BE SIZED AND INSTALLED PER PLUMBING AND DRAINAGE INSTITUTE (STANDARD PDI-WH 201) REQUIREMENTS IN ACCESSIBLE LOCATIONS ON THE COLD WATER AND HOT WATER PIPING WHERE FLUSH VALVES OR QUICK CLOSING VALVES ARE USED.
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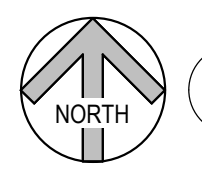
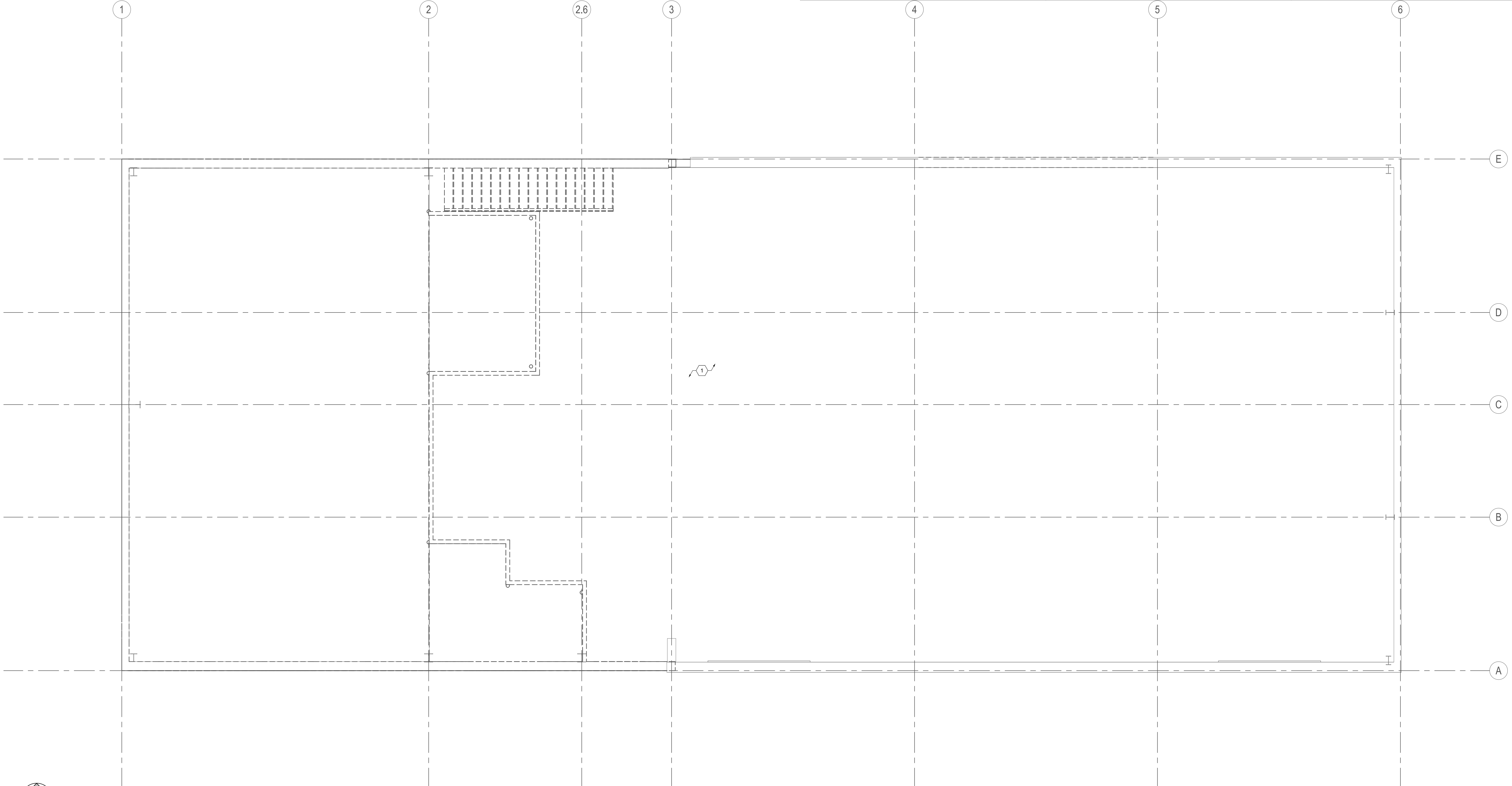
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Table with 4 columns: Rev, Date, Description, Appr.

Table with 4 columns: Designated by, Submitted by, Drawn by, Reviewed by.

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RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915
LEVEL 2 PLUMBING DEMO PLAN



1 LEVEL 2 PLUMBING DEMOLITION PLAN
1/4" = 1'-0"

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| SHEET KEYNOTES | |
|----------------|---|
| 1 | 4" SS INVERT AT BUILDING WALL = 20" BELOW FINISHED FLOOR MINIMUM (1/8" FT. MIN SLOPE), CONTINUED BY CIVIL. |
| 2 | WASTE PIPE RISE UP TO SERVE BREAK ROOM SINK IN THIS APPROXIMATE LOCATION. |
| 3 | PROVIDE TWO-WAY CLEANOUT IN COMPLIANCE OF COLORADO STATE AMENDMENT TO SECTION 708.1.3 IN THIS APPROXIMATE LOCATION. |
| 4 | WASTE PIPE OFFSET AT CEILING SPACE TO RUN UP TO SECOND FLOOR WALL. |

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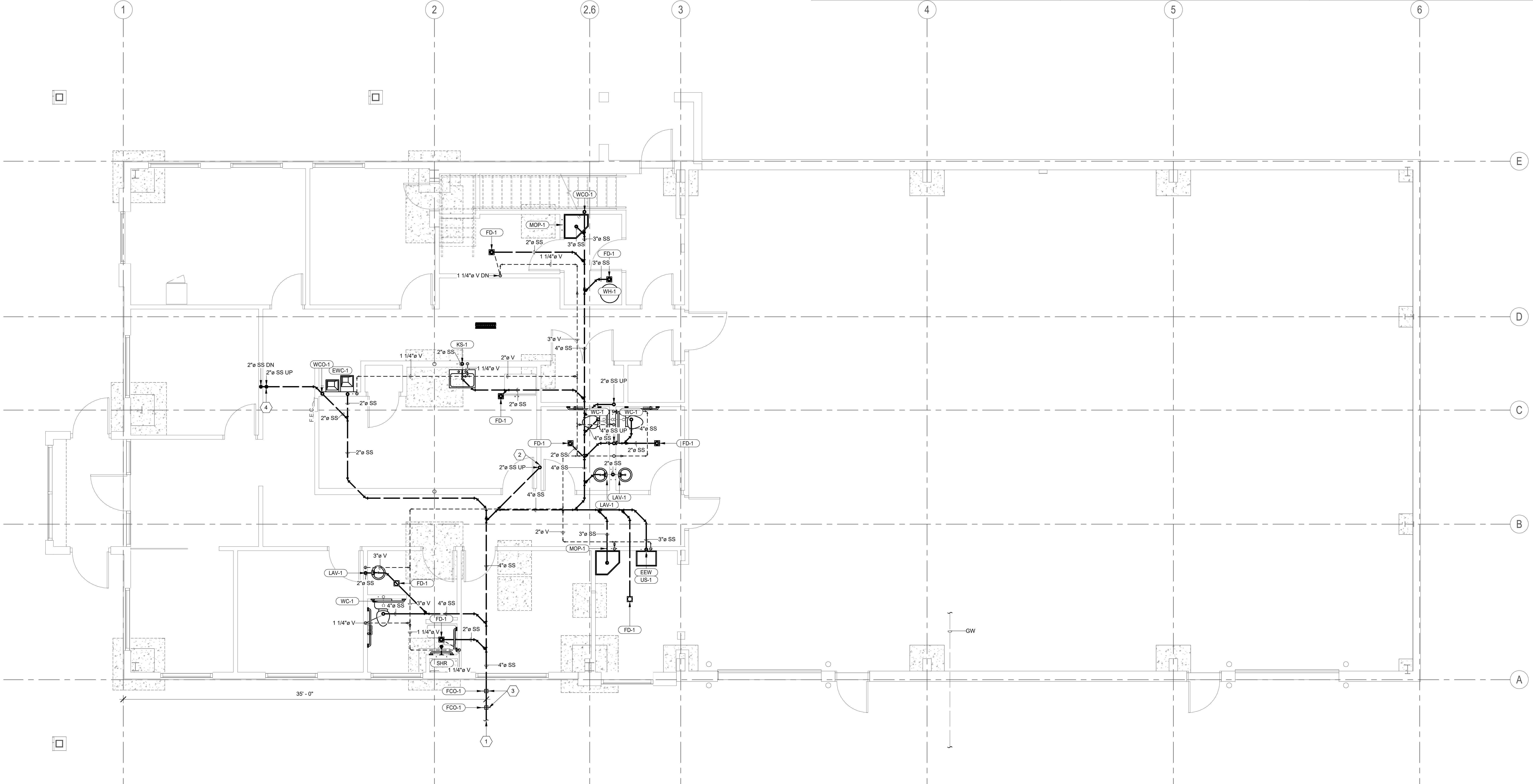
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| Submitted by: | RHB | Submitted: | 06 FEB 2024 |
| Drawn by: | LCG | File: | |
| Reviewed by: | RHB | Scale: | As indicated |
| Submitted by: | RHB | Project Number: | EJ230027P |

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RCH Valley Real Color Holdings, LLC
 875 Valley St
 Colorado Springs, CO 80915
 LEVEL 1 PLUMBING PLAN - DWV

SHEET NUMBER
PL101



1 LEVEL 1 PLUMBING PLAN - DWV
 1/4" = 1'-0"

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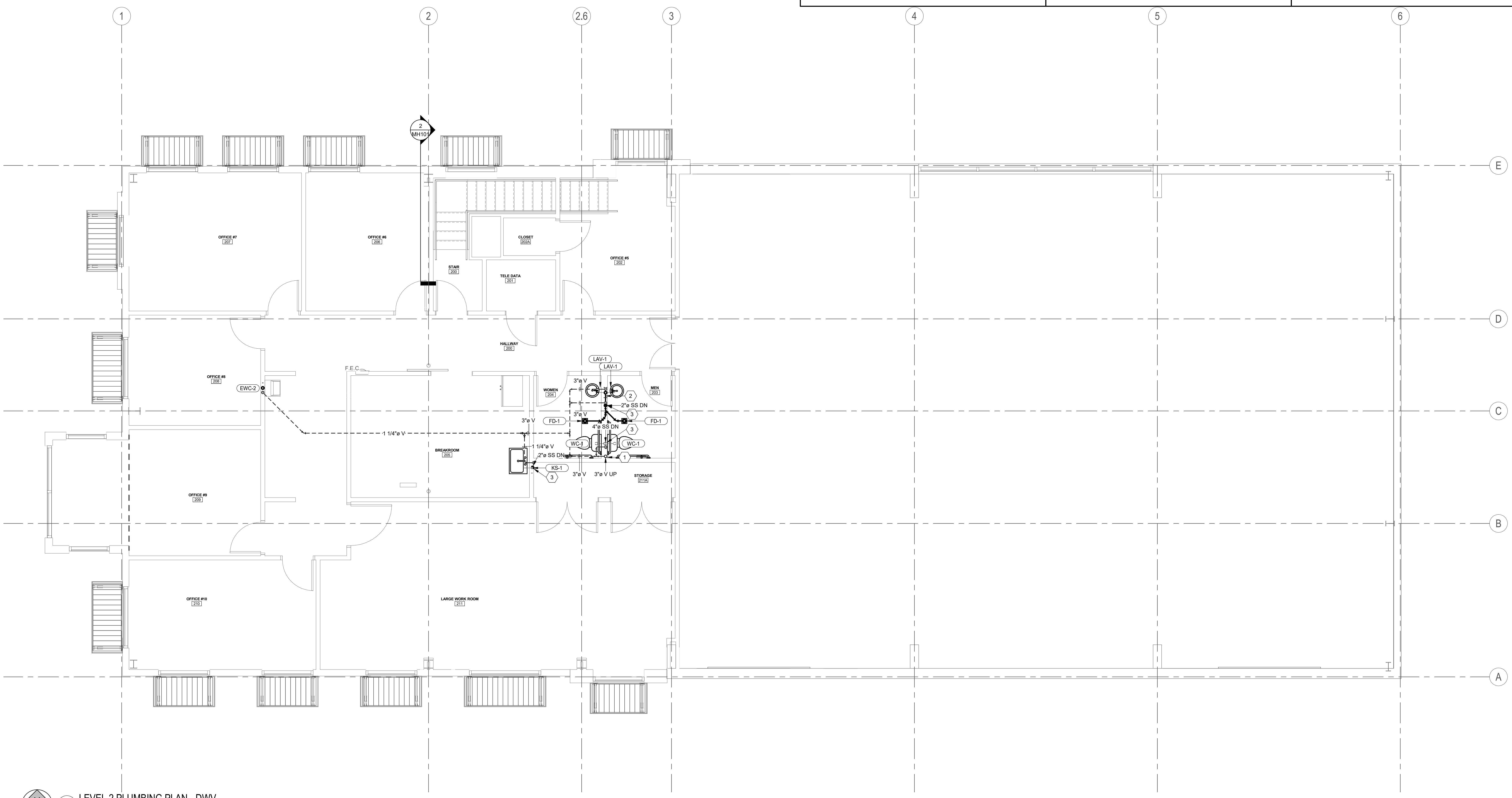
| SHEET KEYNOTES | PLUMBING GENERAL NOTES | PLUMBING GENERAL NOTES |
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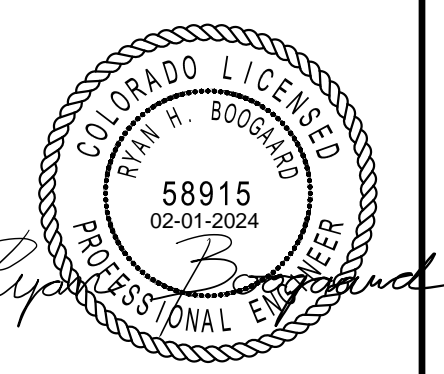
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1 LEVEL 2 PLUMBING PLAN - DWV
1/4" = 1'-0"

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LEVEL 2 PLUMBING PLAN - DWV

SHEET NUMBER
PL102

SHEET KEYNOTES

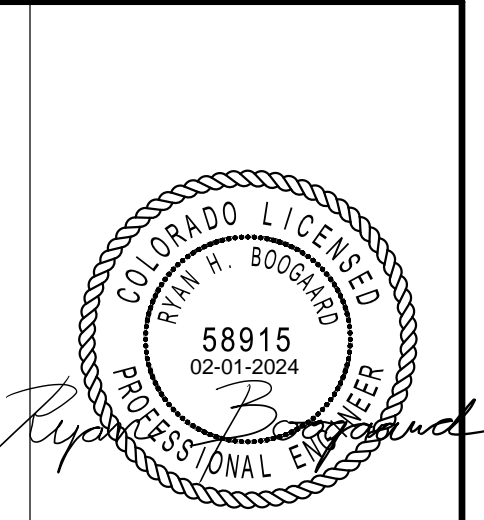
PLUMBING GENERAL NOTES

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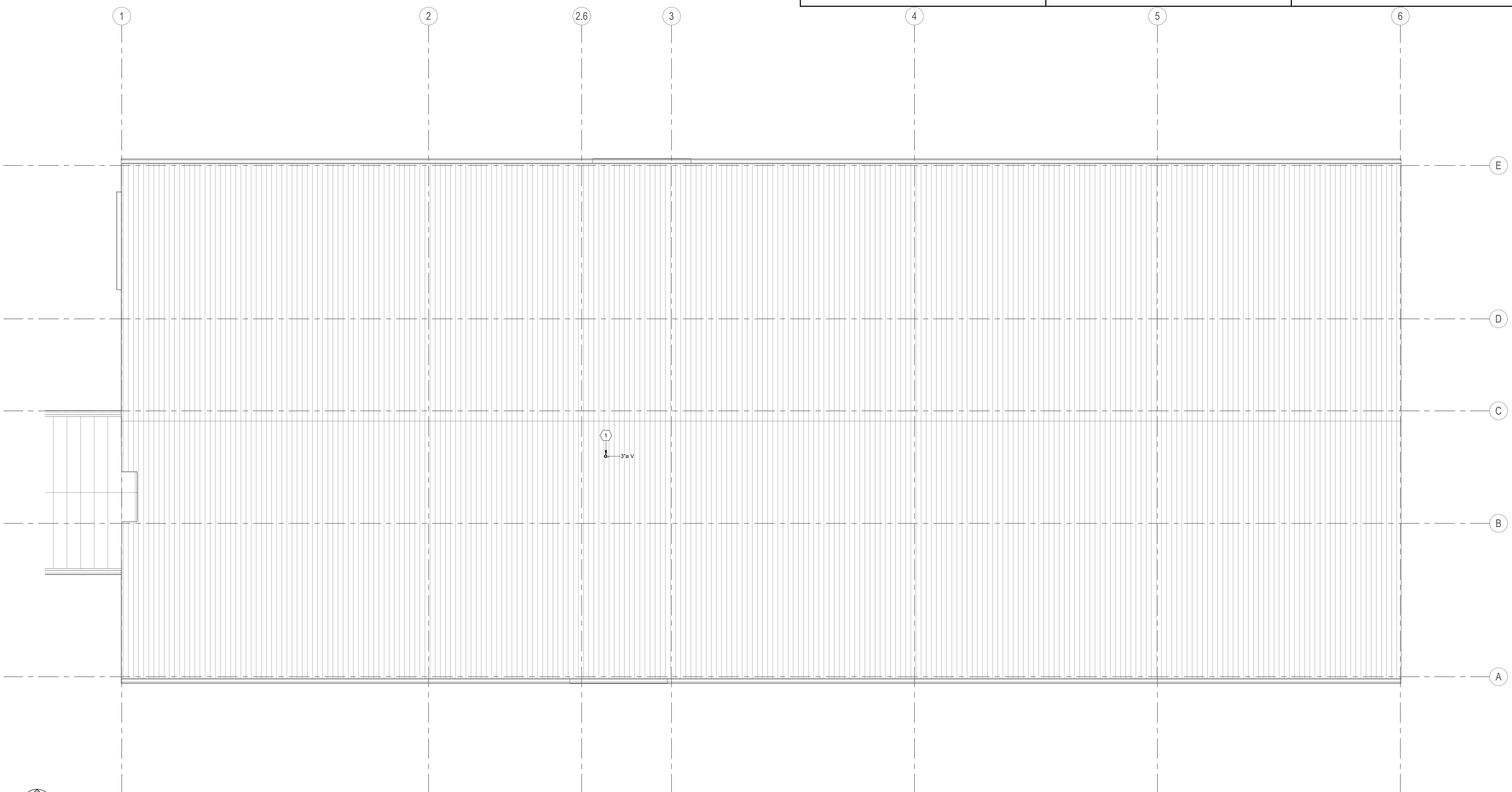
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 www.spectrum-engineers.com

RCH Valley Real Color Holdings, LLC
 875 Valley St
 Colorado Springs, CO 80915
 ROOF PLUMBING PLAN - DWV

SHEET NUMBER
PL103



1 ROOF PLUMBING PLAN - DWV
 1/4" = 1'-0"

SHEET KEYNOTES

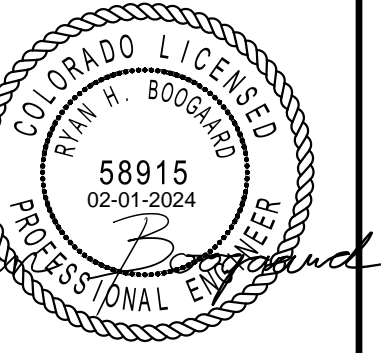
- DCW, DHW and DHWR PIPES RISE UP IN THIS APPROXIMATE LOCATION TO SERVE RESTROOMS.
- GAS METER INFORMATION: PRESSURE: 40Z, CAPACITY: 171 CFH, LONGEST LENGTH: 80 FT
- PROVIDE WITH AN APPROVED TESTABLE CONTINUOUS PRESSURE BACKFLOW PREVENTION ASSEMBLY, PRESSURE VACUUM BREAKER ASSEMBLY, AND SHOULD COMPLIED WITH (ASSE) STANDARD 1055.
- EXISTING WATER METER ARRANGEMENT IN THIS APPROXIMATE LOCATION. SEE DETAIL 1A/P501.

PLUMBING GENERAL NOTES

- ALL DOMESTIC WATER PIPING TO BE COPPER. ALL HOT WATER AND HOT WATER RECIRCULATING PIPING TO BE INSULATED WITH 1" UP TO 1-1/4" PIPE AND 1-1/2" INSULATION FOR PIPING 1-1/2" AND LARGER. DOMESTIC COLD WATER PIPING TO BE INSULATED WITH 1/2" UP TO 1-1/4" PIPING AND 1" INSULATION FOR PIPING 1-1/2" OR LARGER.
- THE CONTRACTOR SHALL CLOSELY COORDINATE MECHANICAL AND PLUMBING WITH ELECTRICAL, ARCHITECTURAL, AND BUILDING STRUCTURE.
- DISSIMILAR METAL PIPING CONNECTIONS SHALL HAVE DIELECTRIC ISOLATORS.
- ALL DOMESTIC WATER PIPING TO BE PRESSURE TESTED, CLEANED, AND DISINFECTED. PRESSURE TEST: CAP AND SUBJECT PIPING TO STATIC WATER PRESSURE OF 120 PSIG FOR FOUR HOURS. LEAKS AND LOSS IN TEST PRESSURE CONSTITUTE DEFECTS THAT MUST BE REPAIRED. PROVIDE RESULTS IN WRITTEN REPORT TO ENGINEER UPON COMPLETION. CLEAN AND DISINFECT: FLUSH PIPING SYSTEM. FILL SYSTEM WITH WATER-CHLORINE SOLUTION WITH AT LEAST 50 PPM OF CHLORINE FOR 24 HOURS. THOROUGHLY FLUSH SYSTEM. SUBMIT WATER SAMPLES IN STERILE BOTTLES TO AUTHORITIES HAVING JURISDICTION. PROVIDE REPORT TO ENGINEER STATING PROCEDURE FOLLOWED AND SIGNATURES OF GC AND THAT OF PERSONS PERFORMING PROCEDURE.
- BALL VALVES SHALL BE FULL PORT AND LEAD FREE. PROVIDE WITH HANDLE/STEM EXTENSIONS FOR PROPER FUNCTION WHEN FULLY INSULATED. EXTENSIONS TO BE SEALED AND VAPOR PROOF.
- ALL PLUMBING PIPING TO BE LOCATED ON WARM SIDE OF BUILDING ENVELOPE. ALL ROOF DRAIN PIPING (PRIMARY AND SECONDARY) TO BE LOCATED IN BUILDING ENVELOPE AND TO BE FULLY INSULATED, INCLUDING ANY ROOF DRAIN BOWLS.
- WATER HAMMER ARRESTORS SHALL BE SIZED AND INSTALLED PER PLUMBING AND DRAINAGE INSTITUTE (STANDARD PDI-WH 201) REQUIREMENTS IN ACCESSIBLE LOCATIONS ON THE COLD WATER AND HOT WATER PIPING WHERE FLUSH VALVES OR QUICK CLOSING VALVES ARE USED.
- ALL DOMESTIC WASTE AND VENT PIPING TO BE CAST IRON OR PVC INSULATED TO MEET FLAME SPREAD AND SMOKE DEVELOPED INDEX.
- PROVIDE BALANCE REPORT OF DOMESTIC WATER RECIRCULATING SYSTEM TO ENGINEER. PROVIDE P&T PORTS AND PRESSURE GAUGES ON EACH SIDE OF RECIRCULATING PUMP. PROVIDE THERMOMETER ON DISCHARGE SIDE OF PUMP.
- TEST WASTE AND VENT PIPING FOR LEAKAGE. SEE SPECIFICATIONS.
- COORDINATE ANY NECESSARY SAW CUTTING, BACKFILL, AND NEW CONCRETE WITH GENERAL.
- PROVIDE A SAND BED WITH SIX (6) INCHES MINIMUM COVERAGE AROUND ALL BELOW GRADE PIPES. PROVIDE BACKFILL FREE OF BOULDERS LARGER THAN TWO (2) INCHES. COMPACT AND TEST ALL BACKFILL ACCORDING TO ASTM COMPACTION STANDARDS OR PROVIDE PEA GRAVEL BACKFILL. PROVIDE MINIMUM TRENCH WIDTH OF NOT LESS THAN 1.5 TIMES THE PIPE OUTSIDE DIAMETER PLUS 12 INCHES.

PLUMBING GENERAL NOTES

- PIPING SHALL NOT BE SUPPORTED FROM THE ROOF DECK, JOIST BRIDGING OR OTHER PIPES. HANG PIPES FROM BEAMS, JOIST OR SUPPLEMENTARY STRUCTURAL MEMBERS. WHERE POSSIBLE INSTALL ALL PIPING WITHIN 12" FROM SUPPORTING STRUCTURE.
- WHERE JURISDICTION REQUIRES, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SEISMIC RESTRAINT. PROVIDE DESIGN DRAWINGS TO AUTHORITY HAVING JURISDICTION AND MECHANICAL ENGINEER FOR REVIEW.
- PROVIDE PORTABLE PUMP (LITTLE GIANT UPSP-5 OR EQUAL) TO OWNER FOR HYDRAULIC ELEVATOR SUMP. PROVIDE PLUG IN MOISTURE SENSOR WITH AUDIBLE ALARM (FLOODMASTER RS-096 OR EQUAL). NOT REQUIRED FOR TRACTION ELEVATORS.
- ALL PIPING THROUGH A FOUNDATION WALL OR UNDER A FOOTING TO BE PROVIDED WITH PIPE SLEEVE 2 PIPE SIZES LARGER THAN PIPE PASSING THROUGH WALL OR UNDER FOOTING. SEAL WITH CAULK OR FOAM. PIPE SLEEVE UNDER FOOTING TO BE A MINIMUM OF 2" BELOW FOOTING. PIPE TO BE IRON AND EXTEND BEYOND THE WIDTH OF THE FOOTING AT A 45 DEGREE ON BOTH SIDES OF FOOTING.
- ALL PLUMBING SYSTEM SHOULD COMPLIANCE WITH 2018 IPC AND CO STATE AMENDMENTS TO 2018 IPC.
- PLUMBING PIPING SCHEDULE:
 - A. DOMESTIC WATER ABOVE GRADE= TYPE L COPPER - SOLDERED
 - B. DOMESTIC WATER BELOW GRADE= TYPE K COPPER - SOLDERED
 - C. WASTE & VENT ABOVE GRADE = CAST IRON - HUBLESS COUPLINGS WITH HEAVY DUTY COUPLINGS
 - D. WASTE & VENT BELOW GRADE = DWV SOLID CORE PVC - SOLVENT CEMENT
 - E. NATURAL GAS PIPING 2" AND SMALLER = SCHEDULE 40 BLACK STEEL PIPE - THREADED
 - F. NATURAL GAS PIPING BELOW GRADE = POLYETHYLENE PIPE - FUSION WELDED



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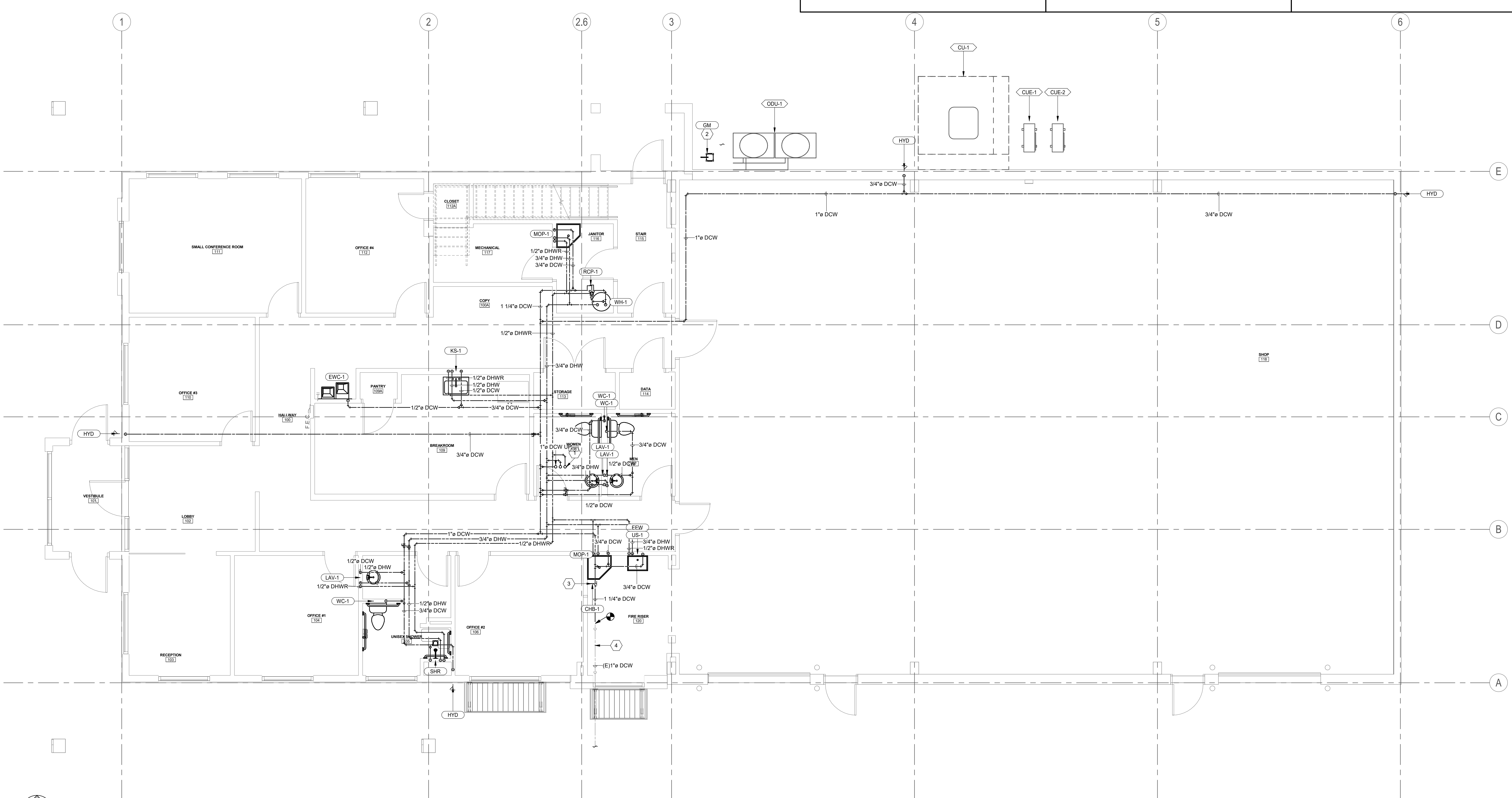
| REV. | DATE | DESCRIPTION |
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| 2 | 10.20.23 | City Comments R2 |

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| Submitted by: | RHB | Scale: | As indicated |
| Drawn by: | LCG | Project Number: | EJ230027P |
| Reviewed by: | RHB | | |
| Submitted by: | RHB | | |

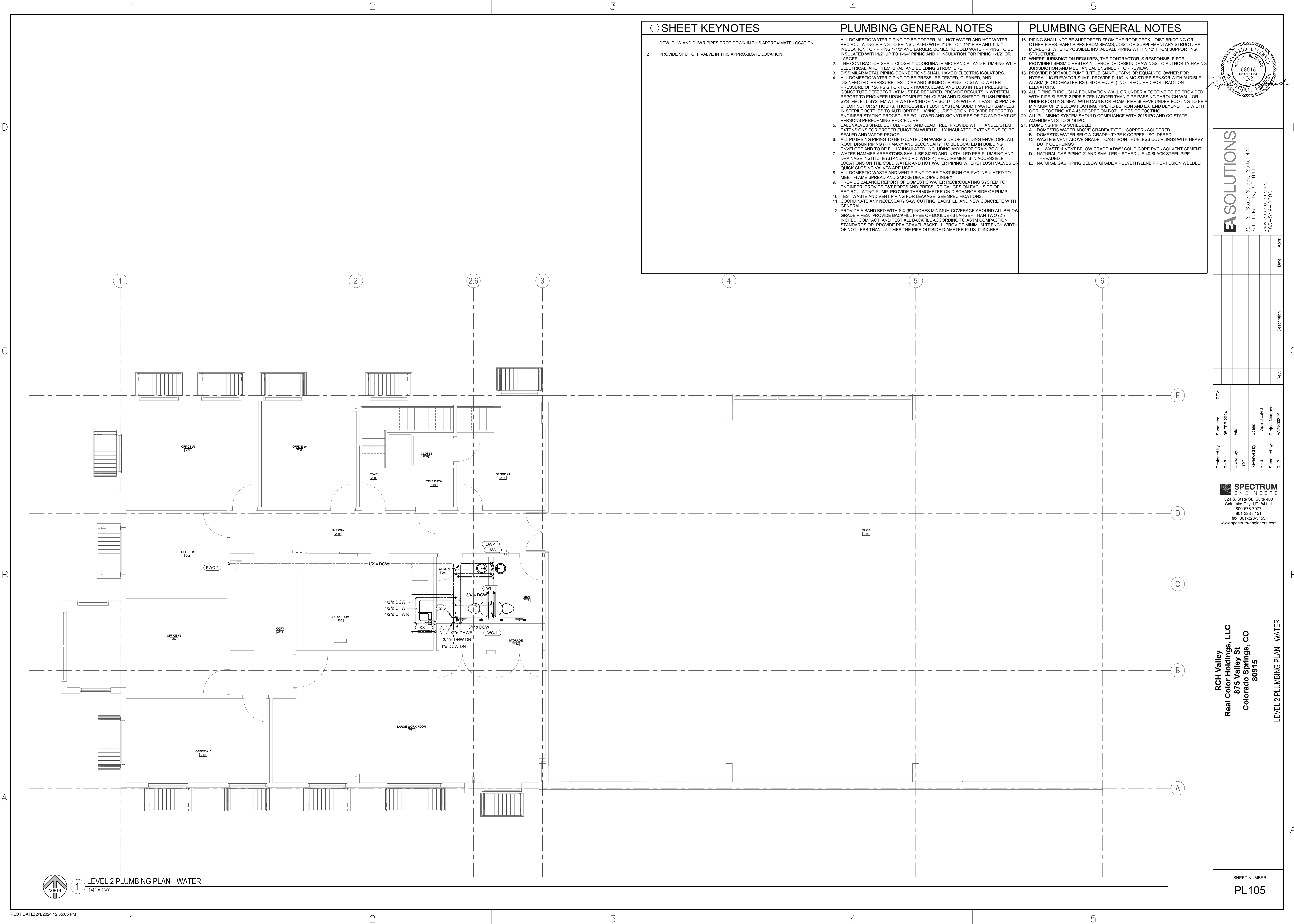
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 Colorado Springs, CO
 80915

SHEET NUMBER
PL104



1 LEVEL 1 PLUMBING PLAN - WATER
 1/4" = 1'-0"



SHEET KEYNOTES

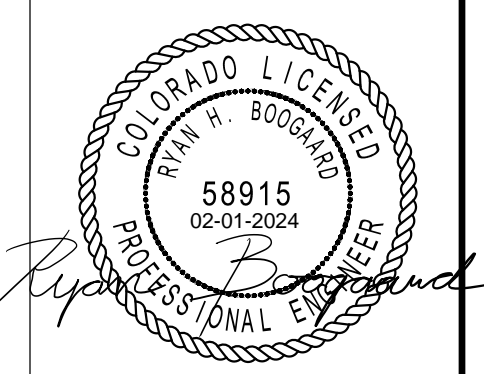
- DCW, DHW AND DHWR PIPES DROP DOWN IN THIS APPROXIMATE LOCATION.
- PROVIDE SHUT OFF VALVE IN THIS APPROXIMATE LOCATION.

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| Rev. | Date | Appr. |
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| REV. | Submitted: | Drawn by: | Reviewed by: | Submitted by: |
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| | 06 FEB 2024 | RHB | RHB | RHB |
| | File: | LCG | Scale: | Project Number: |
| | | | As indicated | EJ230027P |

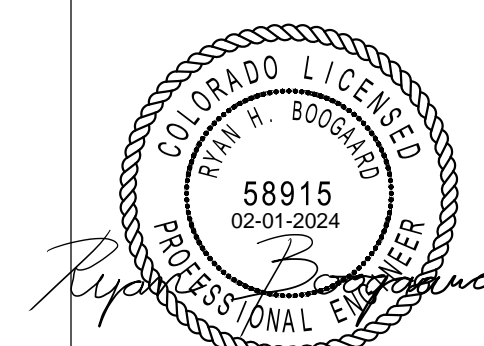
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 LEVEL 2 PLUMBING PLAN - WATER

1 LEVEL 2 PLUMBING PLAN - WATER
 1/4" = 1'-0"

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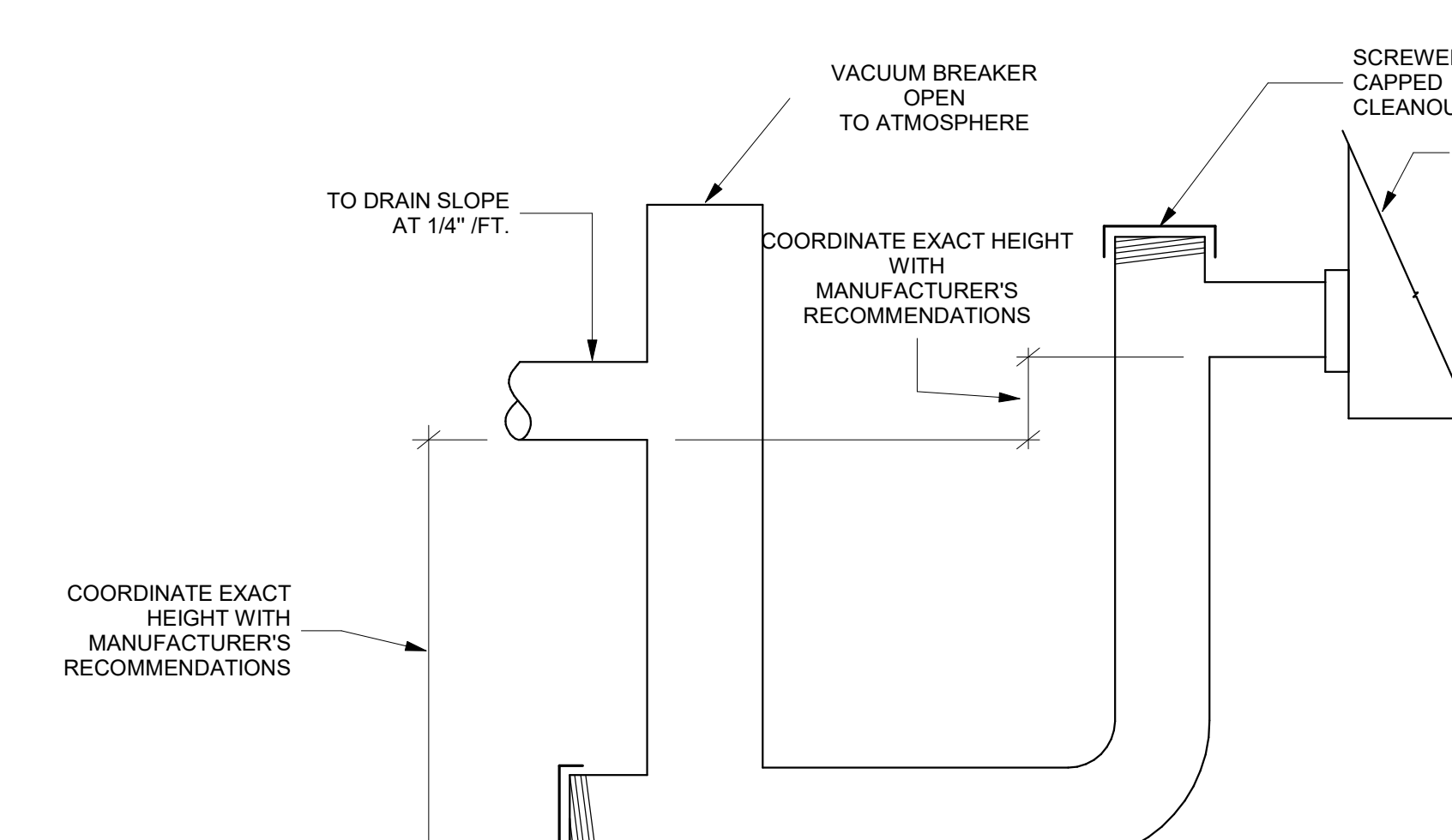
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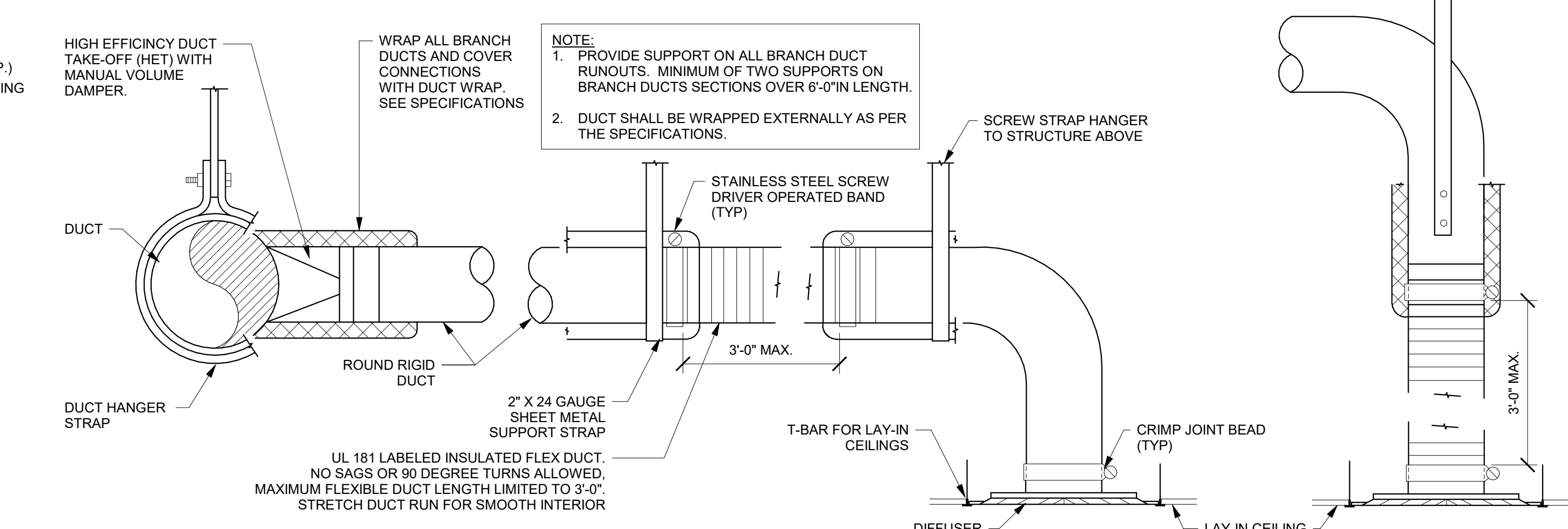
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MECHANICAL DETAILS

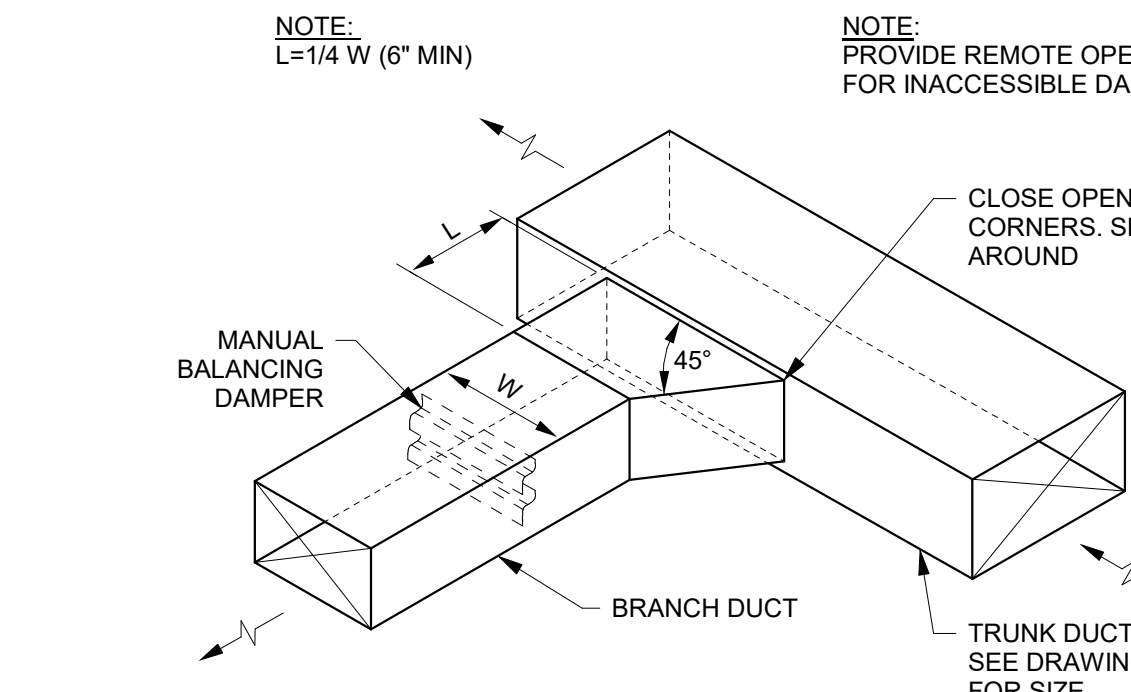
SHEET NUMBER
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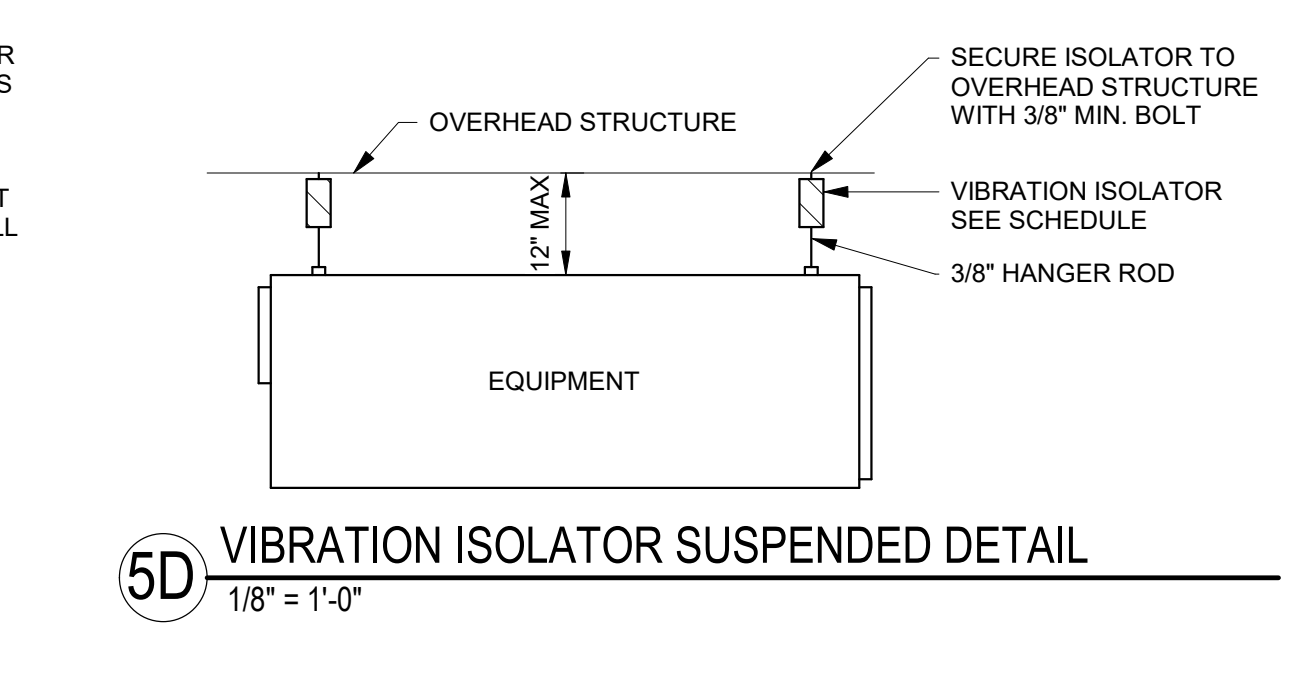
1D CONDENSATE TRAP DETAIL
 1/8" = 1'-0"



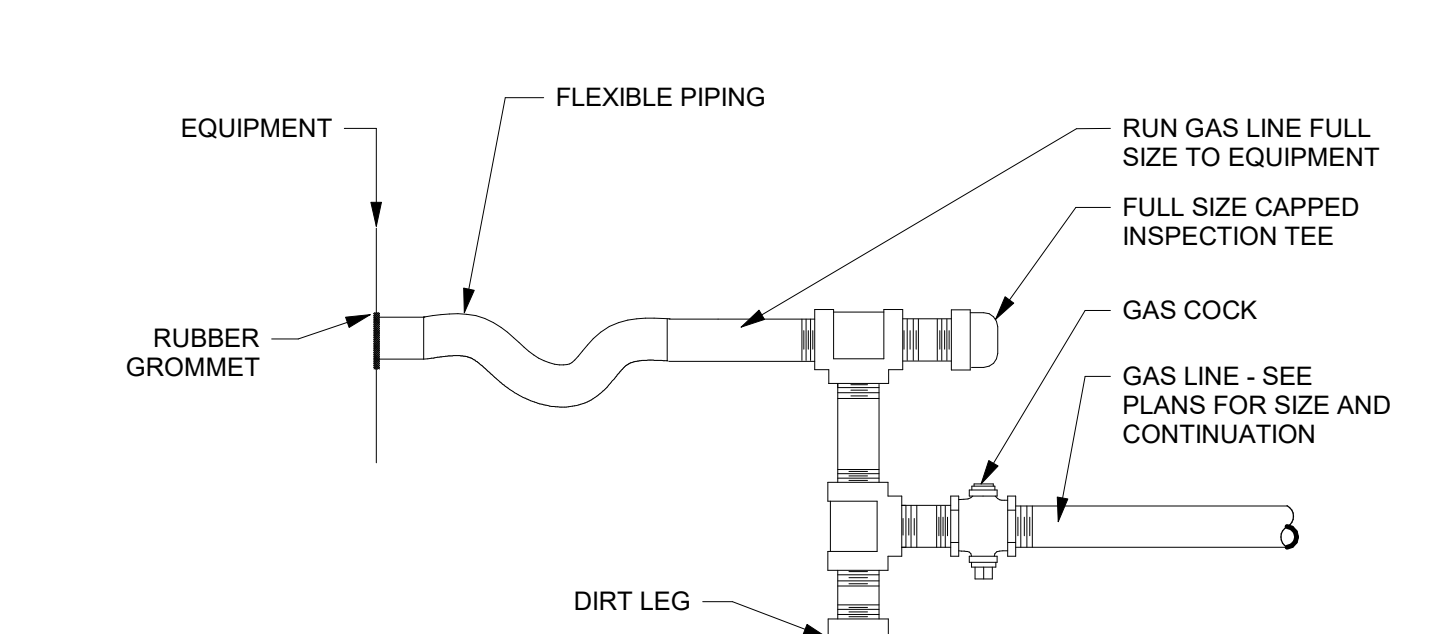
2D TYPICAL ROUND BRANCH DUCT DETAIL
 1/8" = 1'-0"



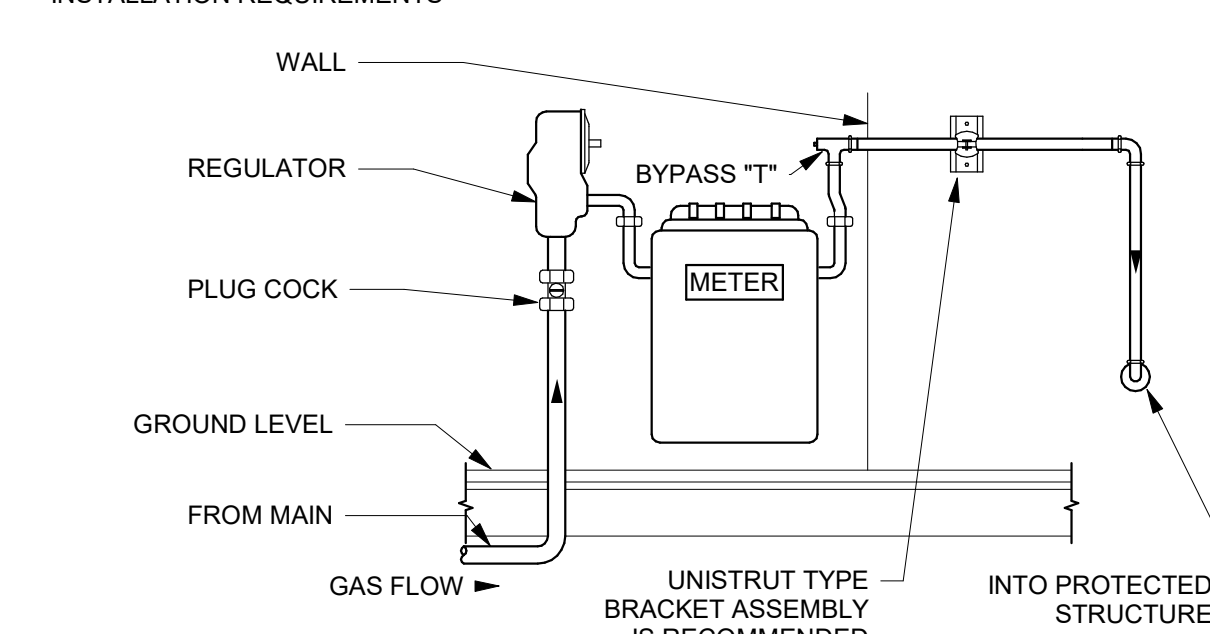
4D BRANCH DUCT TAKE-OFF
 1/8" = 1'-0"



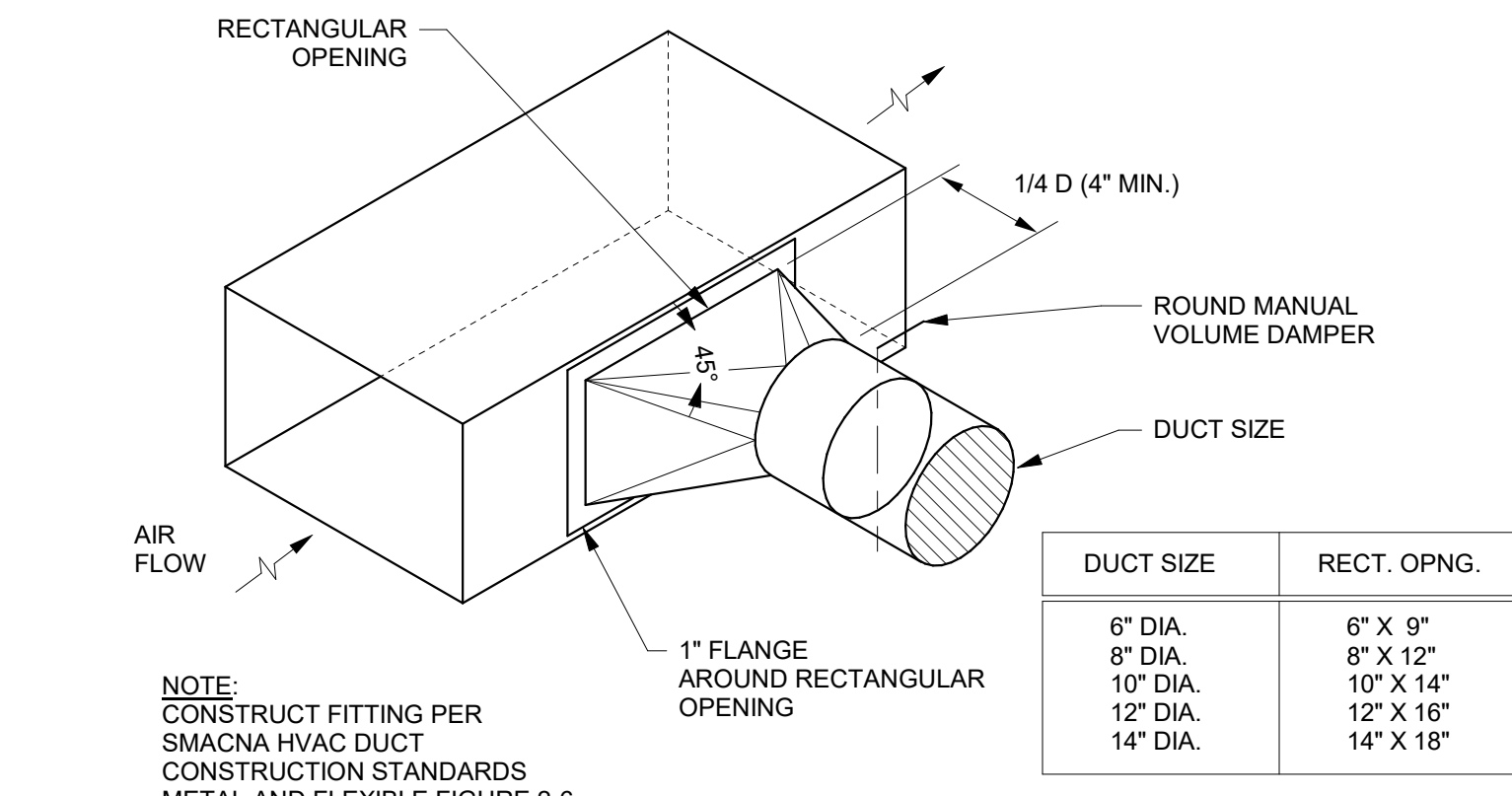
5D VIBRATION ISOLATOR SUSPENDED DETAIL
 1/8" = 1'-0"



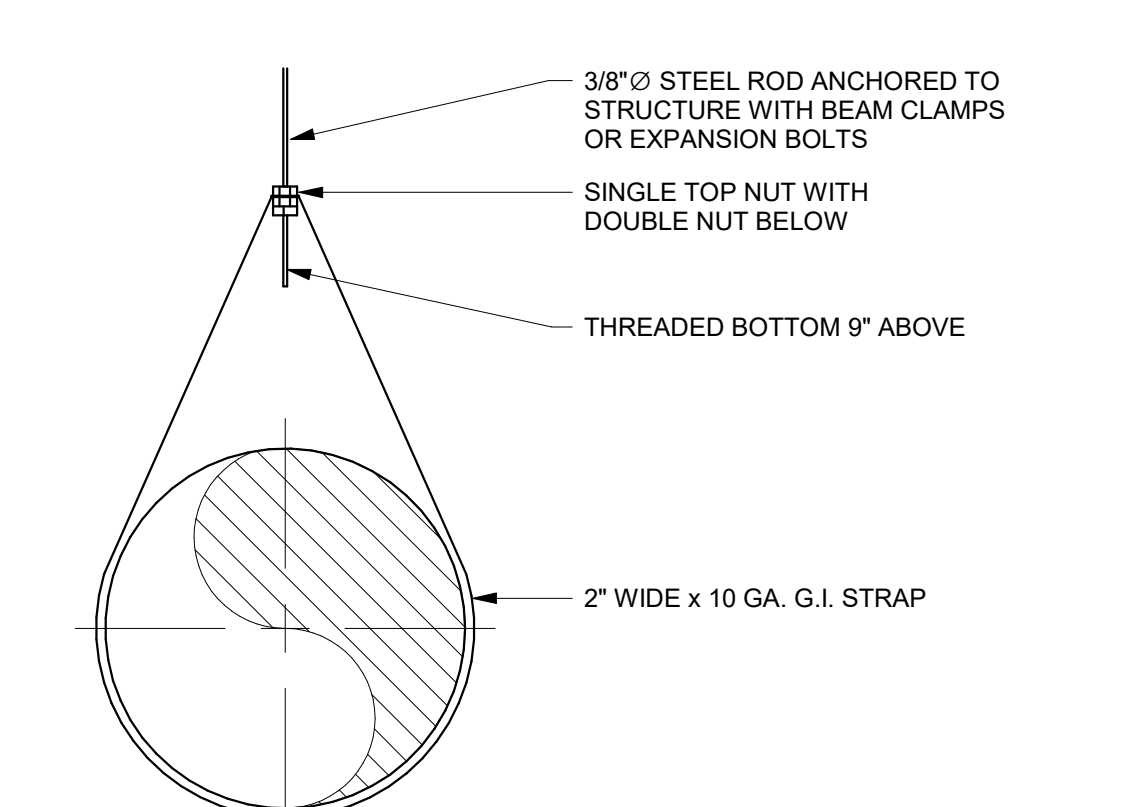
1C GAS PIPE DETAIL
 1/8" = 1'-0"



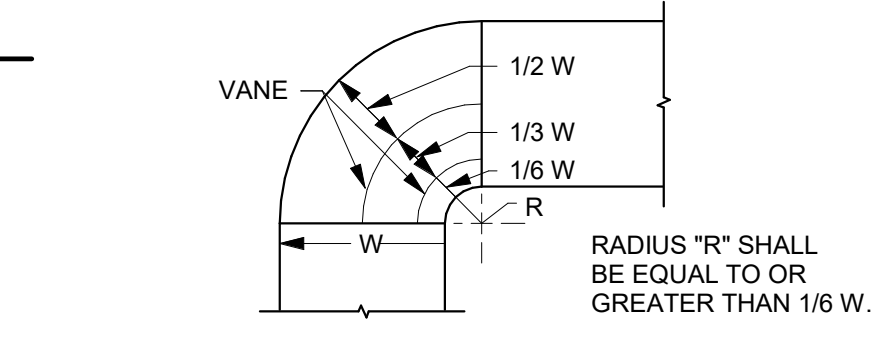
2C GAS METER DETAIL
 1/8" = 1'-0"



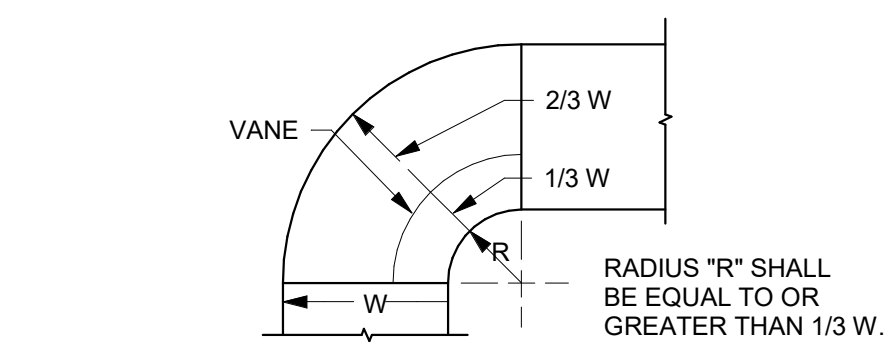
3C DUCT HIGH EFFICIENCY TAKE-OFF
 1/8" = 1'-0"



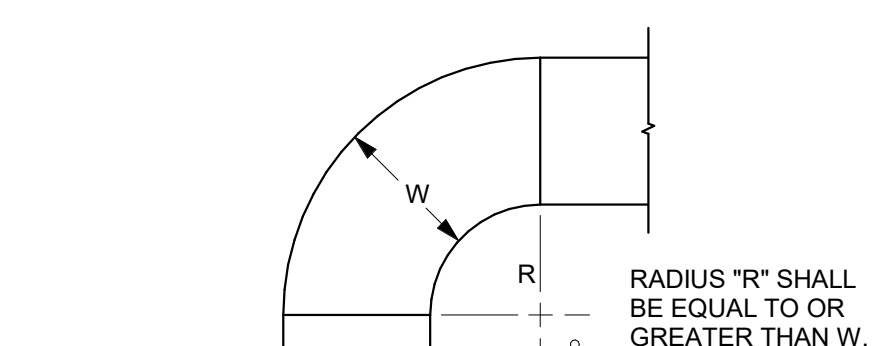
4C DUCT HANGER DETAIL - ROUND
 1/8" = 1'-0"



SHORT RADIUS ELBOW WITH TWO VANES

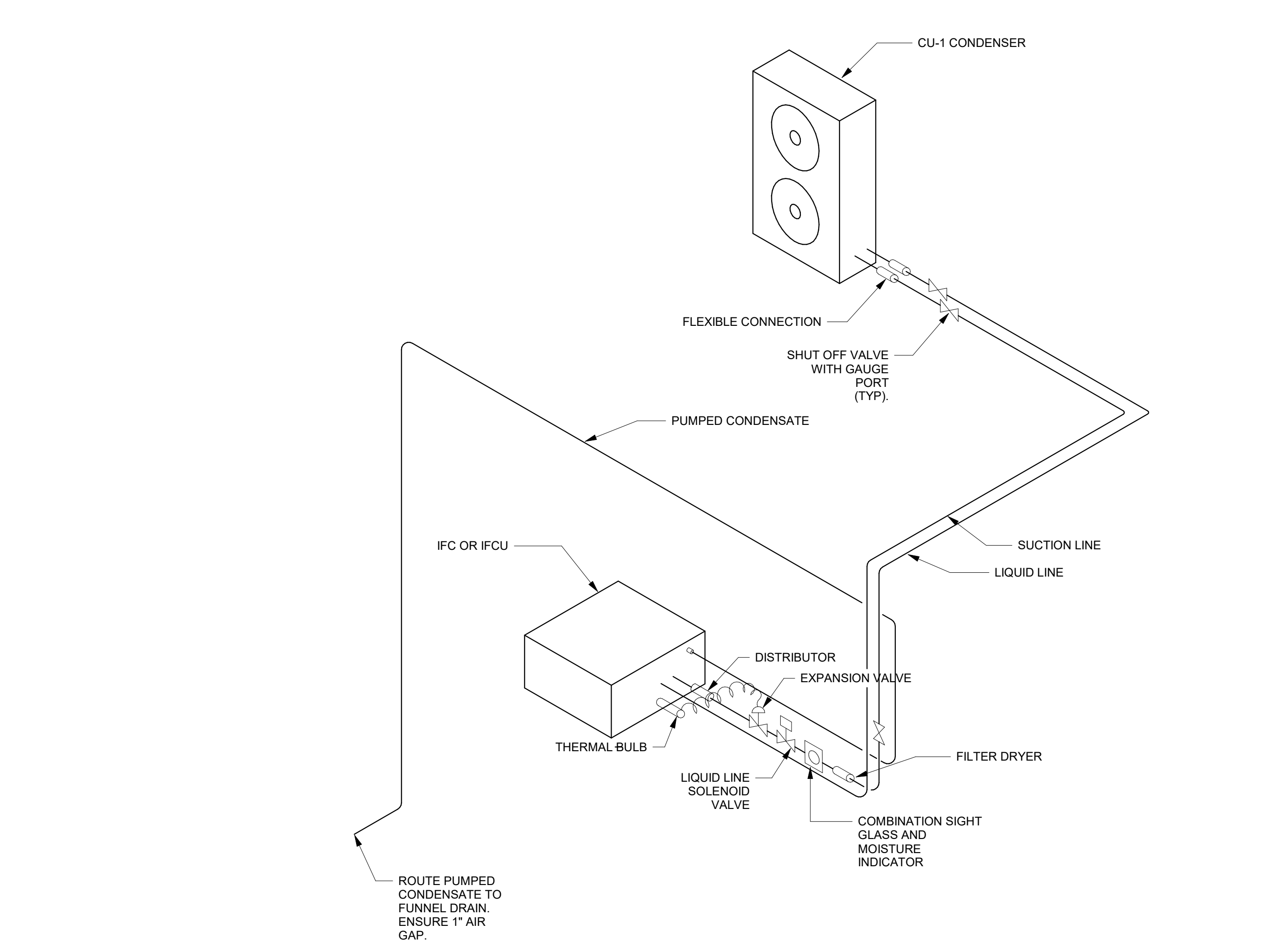


SHORT RADIUS ELBOW WITH ONE VANE

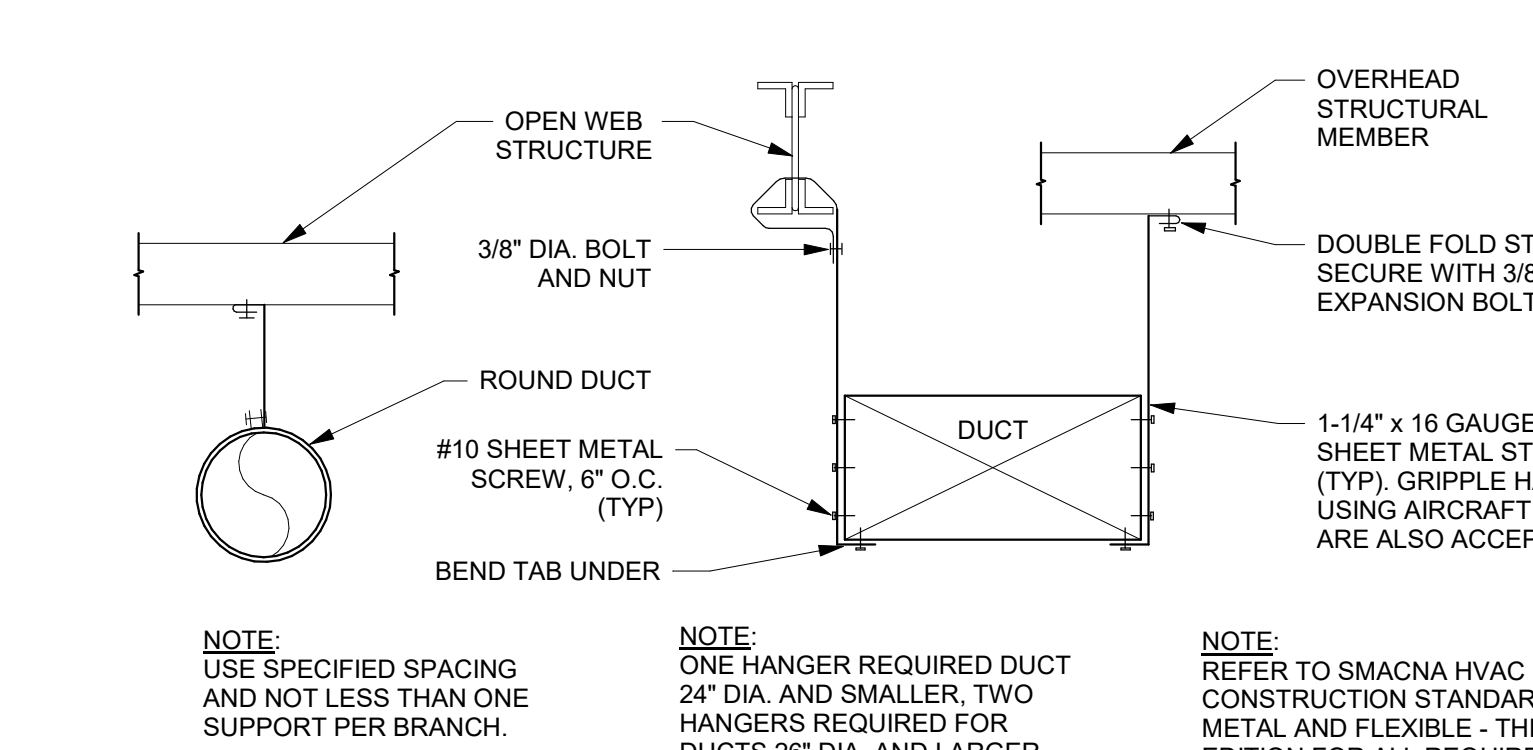


STANDARD RADIUS ELBOW

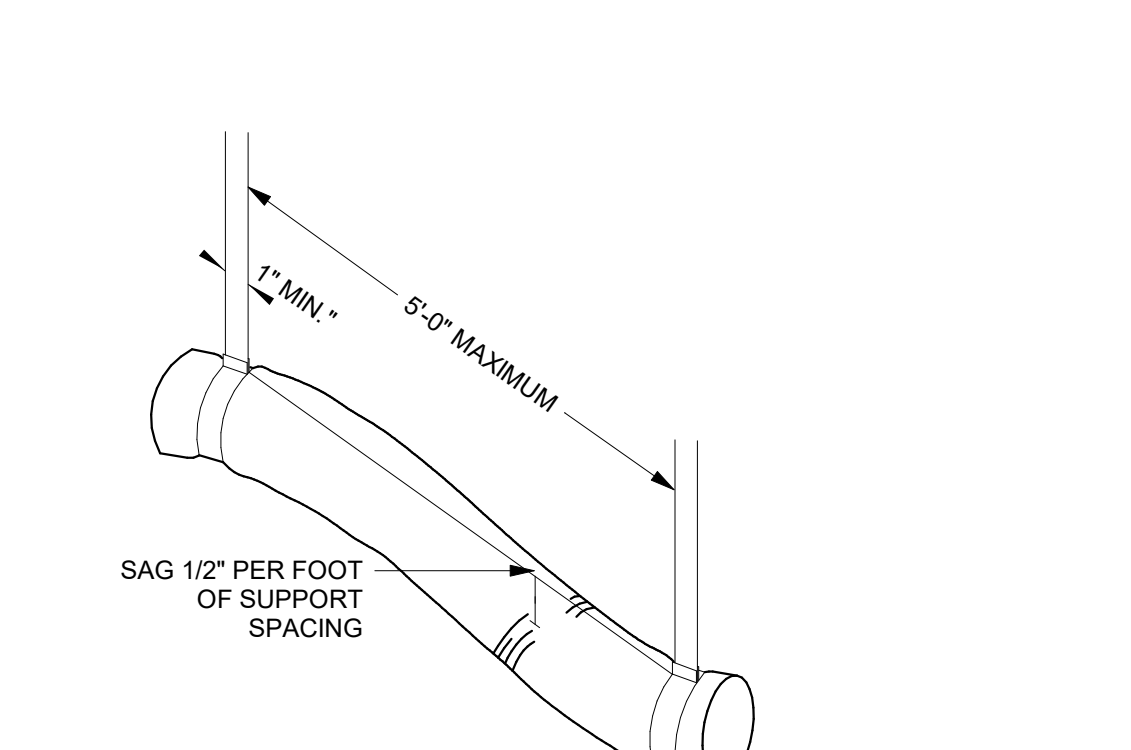
NOTE:
 1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
 2. ALL STANDARD RADIUS ELBOWS SHOWN ON DRAWINGS MAY BE MADE SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.



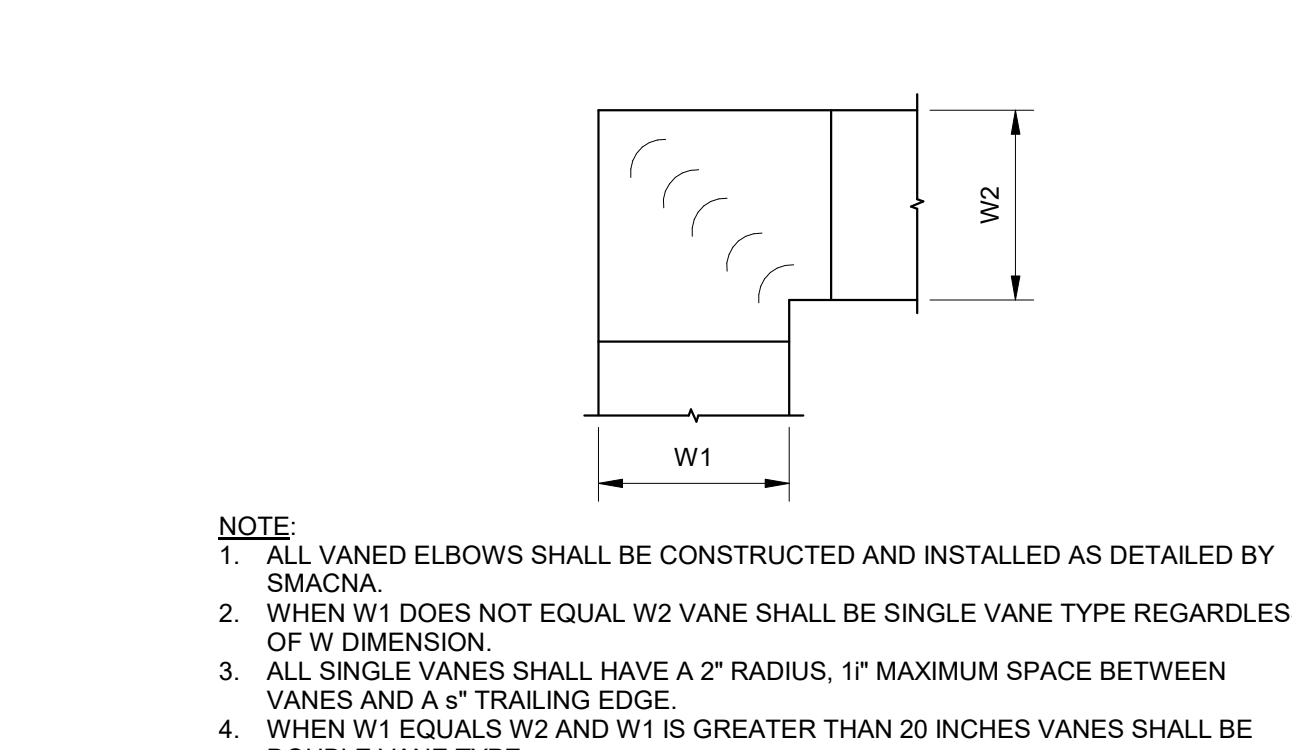
1A SPLIT SYSTEM SCHEMATIC
 1/8" = 1'-0"



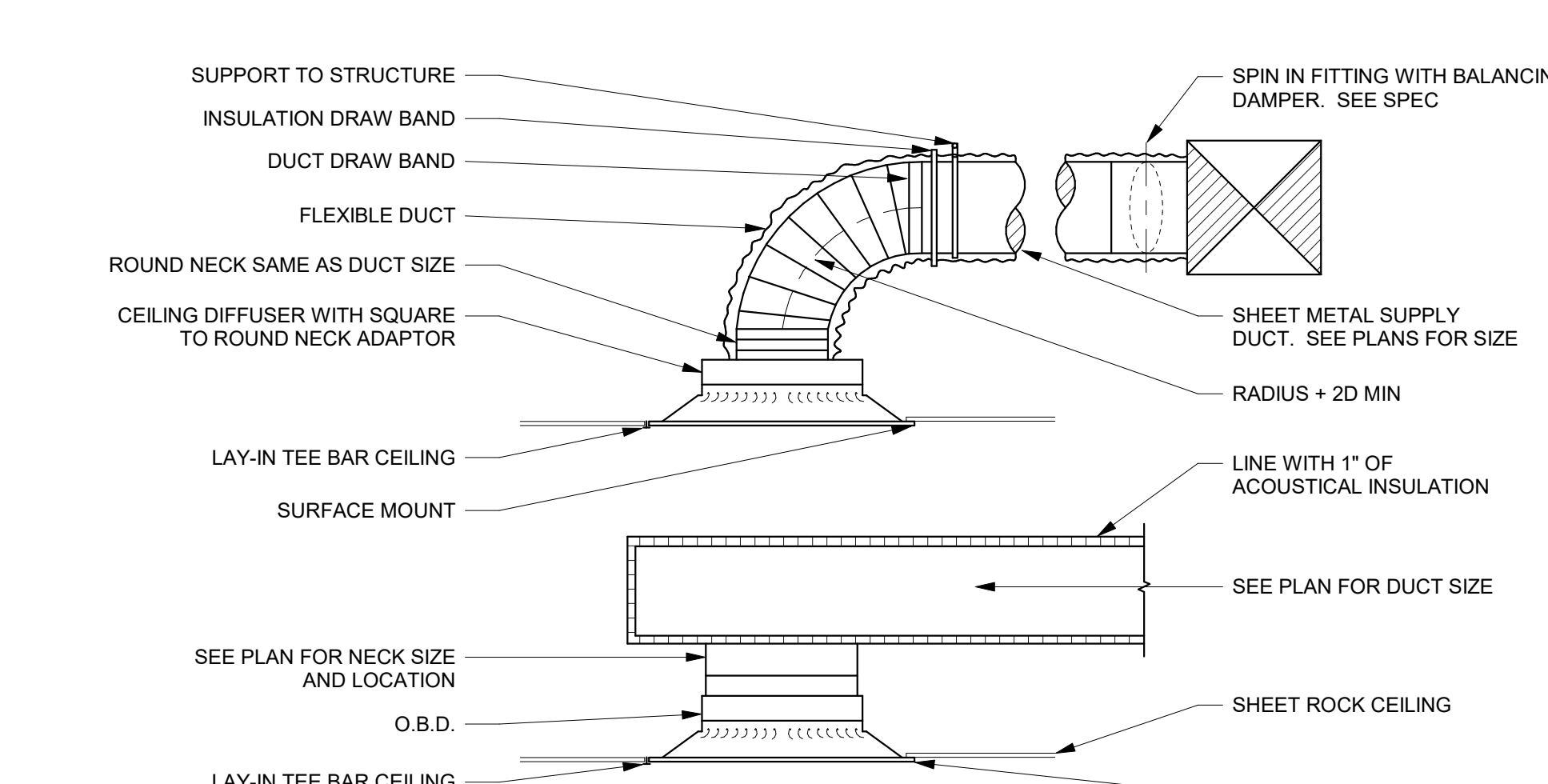
3B DUCT HANGERS DETAIL
 1/8" = 1'-0"



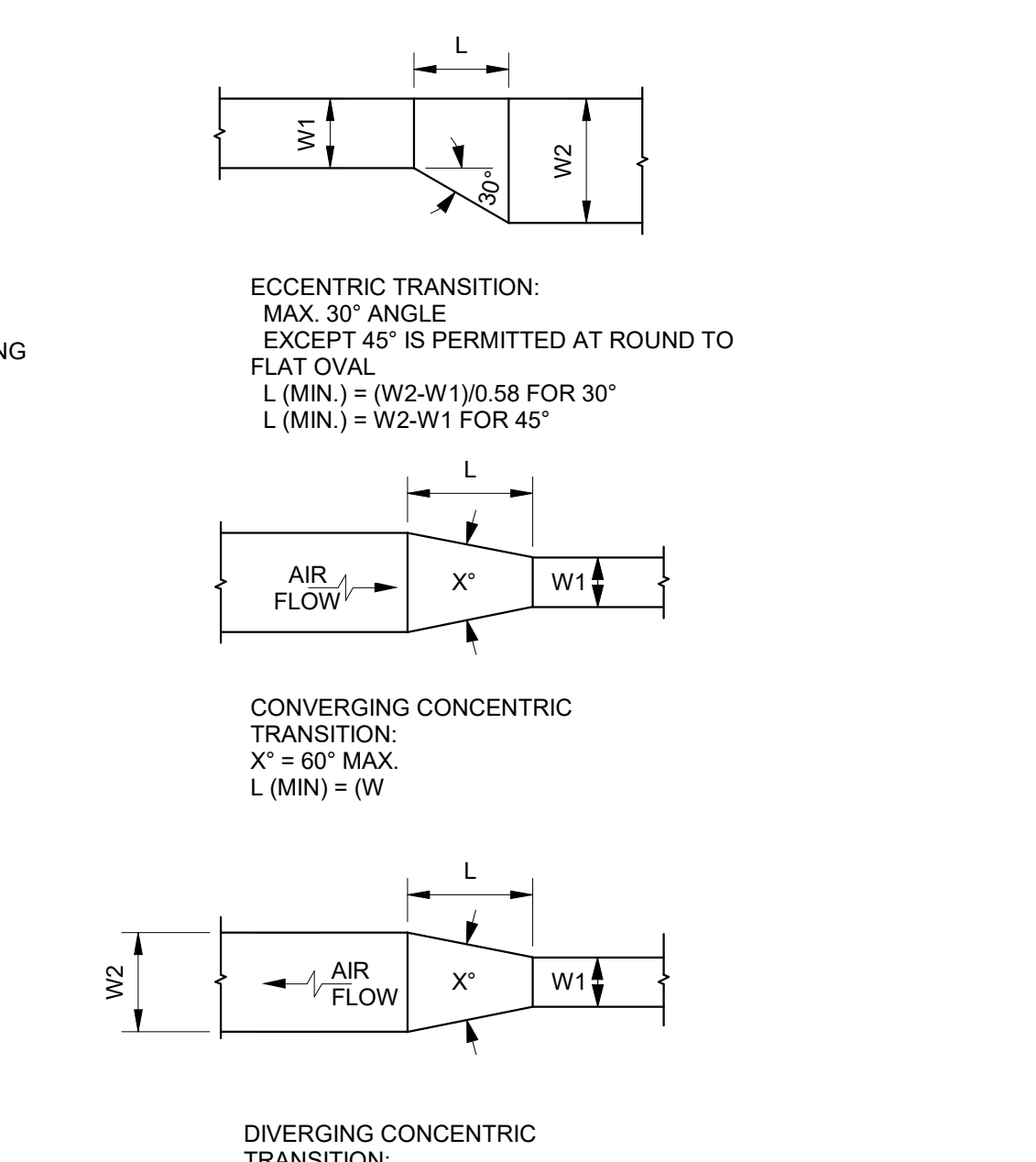
4B FLEXIBLE DUCT SUPPORT
 1/8" = 1'-0"



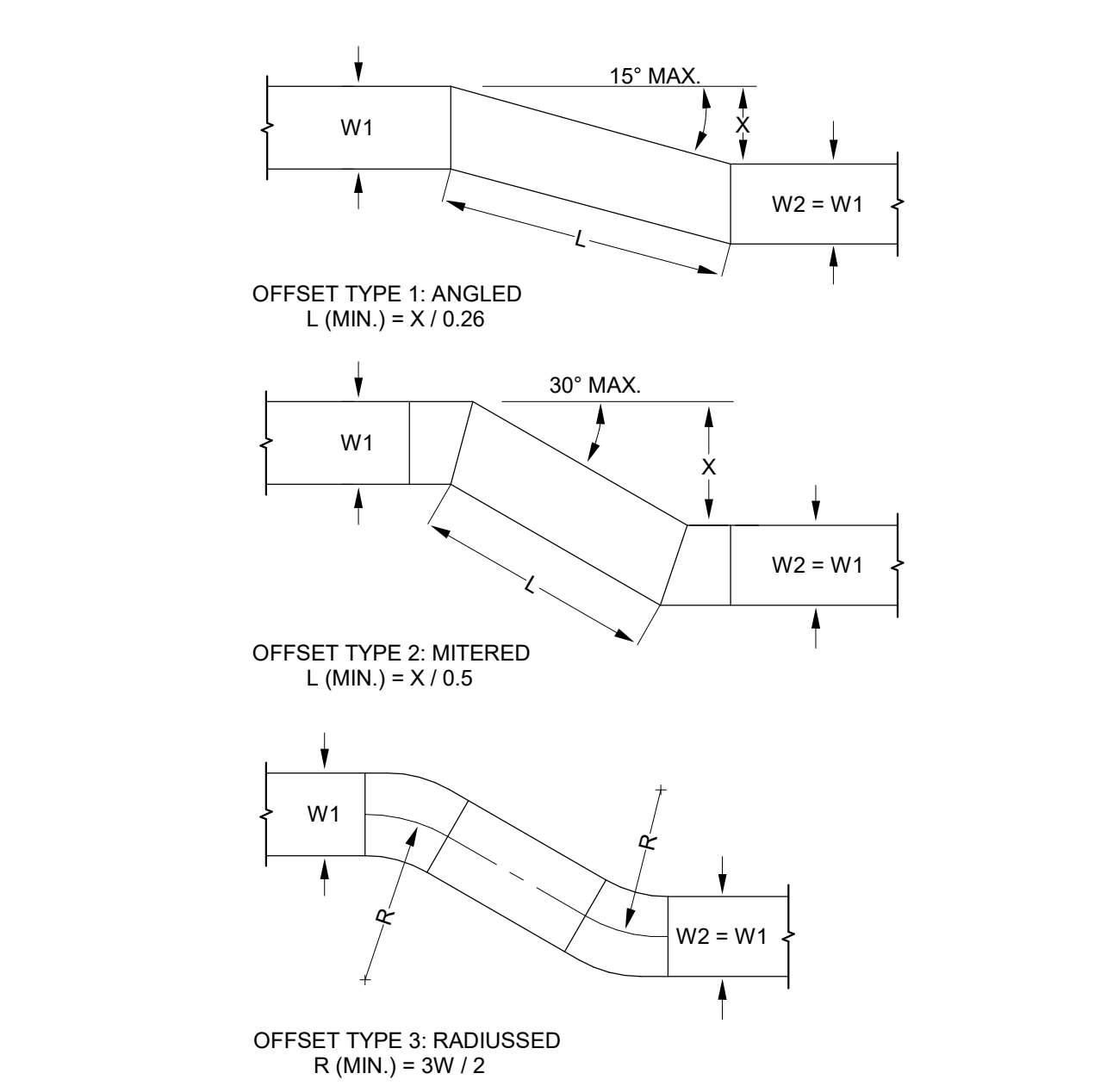
5B DUCT SQUARE VANED ELBOWS
 1/8" = 1'-0"



3A CEILING DIFFUSER DETAIL W/ DUCTING
 1/8" = 1'-0"

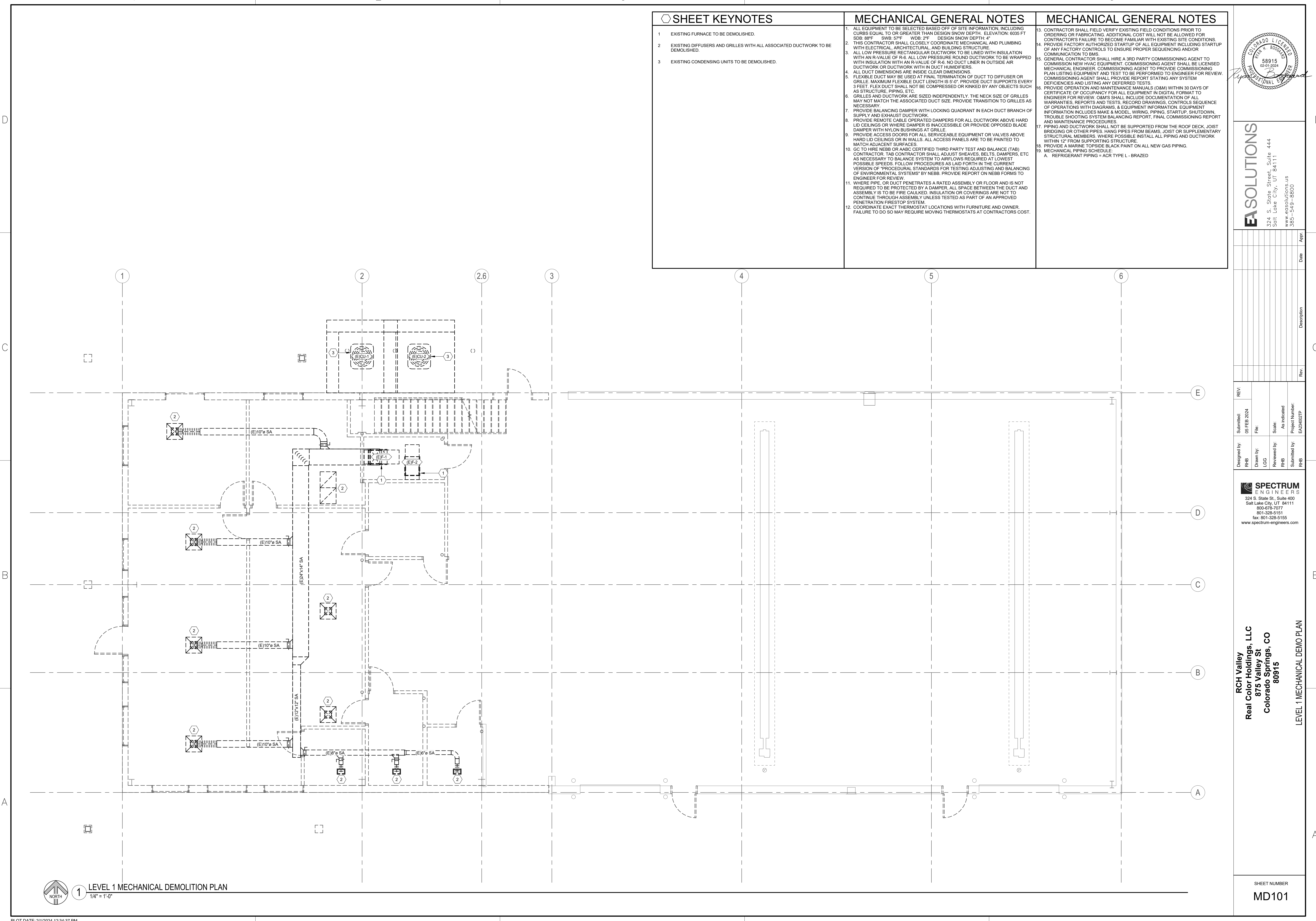


4A DUCT TRANSITIONS DETAIL
 1/8" = 1'-0"

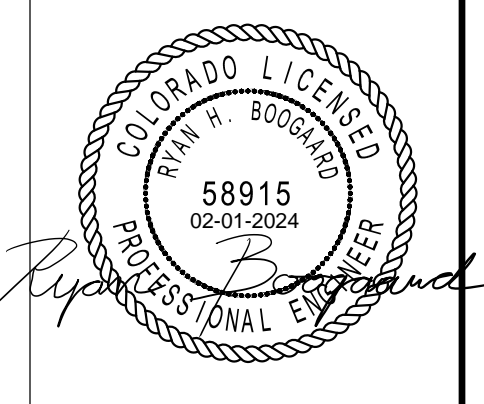


5A DUCT OFFSETS DETAIL
 1/8" = 1'-0"

| 1 | SHEET KEYNOTES | MECHANICAL GENERAL NOTES | MECHANICAL GENERAL NOTES |
|---|---|---|--|
| 1 | EXISTING FURNACE TO BE DEMOLISHED. | 1. ALL EQUIPMENT TO BE SELECTED BASED OFF OF SITE INFORMATION, INCLUDING CURBS EQUAL TO OR GREATER THAN DESIGN SNOW DEPTH. ELEVATION: 6035 FT SDB: 80°F SWB: 57°F WDB: 27°F DESIGN SNOW DEPTH: 4" | 13. CONTRACTOR SHALL FIELD VERIFY EXISTING FIELD CONDITIONS PRIOR TO ORDERING OR FABRICATING. ADDITIONAL COST WILL NOT BE ALLOWED FOR CONTRACTOR'S FAILURE TO BECOME FAMILIAR WITH EXISTING SITE CONDITIONS. PROVIDE FACTORY AUTHORIZED STARTUP OF ALL EQUIPMENT INCLUDING STARTUP OF ANY FACTORY CONTROLS TO ENSURE PROPER SEQUENCING AND/OR COMMUNICATION TO BMS. |
| 2 | EXISTING DIFFUSERS AND GRILLES WITH ALL ASSOCIATED DUCTWORK TO BE DEMOLISHED. | 2. THIS CONTRACTOR SHALL CLOSELY COORDINATE MECHANICAL AND PLUMBING WITH ELECTRICAL, ARCHITECTURAL, AND BUILDING STRUCTURE. | 14. GENERAL CONTRACTOR SHALL HIRE A 3RD PARTY COMMISSIONING AGENT TO COMMISSION NEW HVAC EQUIPMENT. COMMISSIONING AGENT SHALL BE LICENSED MECHANICAL ENGINEER. COMMISSIONING AGENT TO PROVIDE COMMISSIONING PLAN LISTING EQUIPMENT AND TEST TO BE PERFORMED TO ENGINEER FOR REVIEW AND MAINTENANCE MANUALS (O&M) WITHIN 30 DAYS OF CERTIFICATE OF OCCUPANCY FOR ALL EQUIPMENT IN DIGITAL FORMAT TO ENGINEER FOR REVIEW. O&M'S SHALL INCLUDE DOCUMENTATION OF ALL DEFICIENCIES AND LISTING ANY DEFERRED TESTS. |
| 3 | EXISTING CONDENSING UNITS TO BE DEMOLISHED. | 3. ALL LOW PRESSURE RECTANGULAR DUCTWORK TO BE LINED WITH INSULATION WITH AN R-VALUE OF R-6. ALL LOW PRESSURE ROUND DUCTWORK TO BE WRAPPED WITH INSULATION WITH AN R-VALUE OF R-6. NO DUCT LINER IN OUTSIDE AIR DUCTWORK OR DUCTWORK WITH IN DUCT HUMIDIFIERS. | 15. PROVIDE OPERATION AND MAINTENANCE MANUALS (O&M) WITHIN 30 DAYS OF CERTIFICATE OF OCCUPANCY FOR ALL EQUIPMENT IN DIGITAL FORMAT TO ENGINEER FOR REVIEW. O&M'S SHALL INCLUDE DOCUMENTATION OF ALL DEFICIENCIES AND LISTING ANY DEFERRED TESTS. RECORD DRAWINGS, CONTROLS SEQUENCE OF OPERATIONS WITH DIAGRAMS, & EQUIPMENT INFORMATION. EQUIPMENT INFORMATION INCLUDES MAKE & MODEL, WIRING, PIPING, STARTUP, SHUTDOWN, TROUBLE SHOOTING SYSTEM BALANCING REPORT, FINAL COMMISSIONING REPORT AND MAINTENANCE PROCEDURES. |
| | | 4. ALL DUCT DIMENSIONS ARE INSIDE CLEAR DIMENSIONS. | 16. PIPING AND DUCTWORK SHALL NOT BE SUPPORTED FROM THE ROOF DECK, JOIST BRIDGING OR OTHER PIPES. HANG PIPES FROM BEAMS, JOIST OR SUPPLEMENTARY STRUCTURAL MEMBERS. WHERE POSSIBLE INSTALL ALL PIPING AND DUCTWORK WITHIN 12" FROM SUPPORTING STRUCTURE. |
| | | 5. FLEXIBLE DUCT MAY BE USED AT FINAL TERMINATION OF DUCT TO DIFFUSER OR GRILLE. MAXIMUM FLEXIBLE DUCT LENGTH IS 5'-0". PROVIDE DUCT SUPPORTS EVERY 3 FEET. FLEX DUCT SHALL NOT BE COMPRESSED OR KINKED BY ANY OBJECTS SUCH AS STRUCTURE, PIPING, ETC. | 17. PROVIDE A MARINE TOPSIDE BLACK PAINT ON ALL NEW GAS PIPING. |
| | | 6. GRILLES AND DUCTWORK ARE SIZED INDEPENDENTLY. THE NECK SIZE OF GRILLES MAY NOT MATCH THE ASSOCIATED DUCT SIZE. PROVIDE TRANSITION TO GRILLES AS NECESSARY. | 18. MECHANICAL PIPING SCHEDULE: A. REFRIGERANT PIPING = ACR TYPE L - BRAZED |
| | | 7. PROVIDE BALANCING DAMPER WITH LOCKING QUADRANT IN EACH DUCT BRANCH OF SUPPLY AND EXHAUST DUCTWORK. | |
| | | 8. PROVIDE REMOTE CABLE OPERATED DAMPERS FOR ALL DUCTWORK ABOVE HARD LID CEILINGS OR WHERE DAMPER IS INACCESSIBLE OR PROVIDE OPPOSED BLADE DAMPER WITH NYLON BUSHINGS AT GRILLE. | |
| | | 9. PROVIDE ACCESS DOORS FOR ALL SERVICEABLE EQUIPMENT OR VALVES ABOVE HARD LID CEILINGS OR IN WALLS. ALL ACCESS PANELS ARE TO BE PAINTED TO MATCH ADJACENT SURFACES. | |
| | | 10. GC TO HIRE NEBB OR AABC CERTIFIED THIRD PARTY TEST AND BALANCE (TAB) CONTRACTOR. TAB CONTRACTOR SHALL ADJUST SHEAVES, BELTS, DAMPERS, ETC AS NECESSARY TO BALANCE SYSTEM TO AIRFLOWS REQUIRED AT LOWEST POSSIBLE SPEEDS. FOLLOW PROCEDURES AS LAID FORTH IN THE CURRENT VERSION OF "PROCEDURAL STANDARDS FOR TESTING, ADJUSTING AND BALANCING OF ENVIRONMENTAL SYSTEMS" BY NEBB. PROVIDE REPORT ON NEBB FORMS TO ENGINEER FOR REVIEW. | |
| | | 11. WHERE PIPE OR DUCT PENETRATES A RATED ASSEMBLY OR FLOOR AND IS NOT REQUIRED TO BE PROTECTED BY A DAMPER, ALL SPACE BETWEEN THE DUCT AND ASSEMBLY IS TO BE FIRE CAULKED. INSULATION OR COVERINGS ARE NOT TO CONTINUE THROUGH ASSEMBLY UNLESS TESTED AS PART OF AN APPROVED PENETRATION FIRESTOP SYSTEM. | |
| | | 12. COORDINATE EXACT THERMOSTAT LOCATIONS WITH FURNITURE AND OWNER. FAILURE TO DO SO MAY REQUIRE MOVING THERMOSTATS AT CONTRACTORS COST. | |



1 LEVEL 1 MECHANICAL DEMOLITION PLAN
1/4" = 1'-0"



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| REV. | Submitted by: | Submitted: |
|------|---------------|-----------------|
| | RHB | 06 FEB 2024 |
| REV. | Drawn by: | File: |
| | LCG | |
| REV. | Reviewed by: | Scale: |
| | RHB | As indicated |
| REV. | Submitted by: | Project Number: |
| | RHB | ES230027P |

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RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

SHEET NUMBER
MD101

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| ⬡ SHEET KEYNOTES | MECHANICAL GENERAL NOTES | MECHANICAL GENERAL NOTES |
|-------------------------|---------------------------------|---------------------------------|

1. ALL EQUIPMENT TO BE SELECTED BASED OFF OF SITE INFORMATION, INCLUDING CURBS EQUAL TO OR GREATER THAN DESIGN SNOW DEPTH. ELEVATION: 6035 FT SDB: 80F SWB: 97F WDB: 27F DESIGN SNOW DEPTH: 4"

2. THIS CONTRACTOR SHALL CLOSELY COORDINATE MECHANICAL AND PLUMBING WITH ELECTRICAL, ARCHITECTURAL, AND BUILDING STRUCTURE.

3. ALL LOW PRESSURE RECTANGULAR DUCTWORK TO BE LINED WITH INSULATION WITH AN R-VALUE OF R-6. ALL LOW PRESSURE ROUND DUCTWORK TO BE WRAPPED WITH INSULATION WITH AN R-VALUE OF R-6. NO DUCT LINER IN OUTSIDE AIR DUCTWORK OR DUCTWORK WITH IN DUCT HUMIDIFIERS.

4. ALL DUCT DIMENSIONS ARE INSIDE CLEAR DIMENSIONS.

5. FLEXIBLE DUCT MAY BE USED AT FINAL TERMINATION OF DUCT TO DIFFUSER OR GRILLE. MAXIMUM FLEXIBLE DUCT LENGTH IS 5'-0". PROVIDE DUCT SUPPORTS EVERY 3 FEET. FLEX DUCT SHALL NOT BE COMPRESSED OR KINKED BY ANY OBJECTS SUCH AS STRUCTURE, PIPING, ETC.

6. GRILLES AND DUCTWORK ARE SIZED INDEPENDENTLY. THE NECK SIZE OF GRILLES MAY NOT MATCH THE ASSOCIATED DUCT SIZE. PROVIDE TRANSITION TO GRILLES AS NECESSARY.

7. PROVIDE BALANCING DAMPER WITH LOCKING QUADRANT IN EACH DUCT BRANCH OF SUPPLY AND EXHAUST DUCTWORK.

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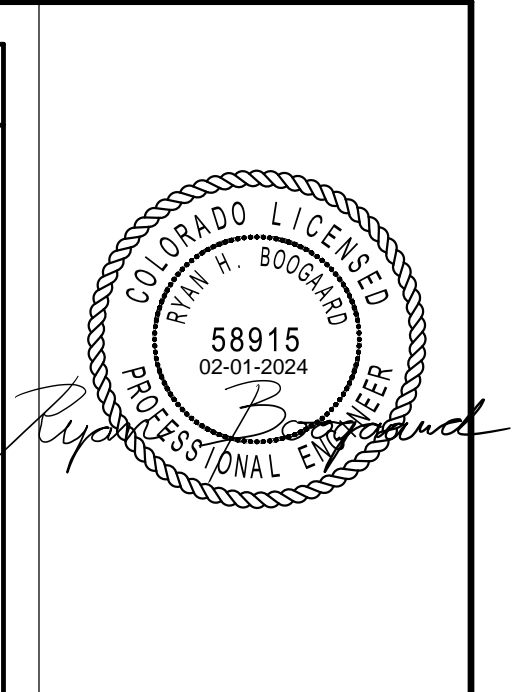
14. GENERAL CONTRACTOR SHALL HIRE A 3RD PARTY COMMISSIONING AGENT TO COMMISSION NEW HVAC EQUIPMENT. COMMISSIONING AGENT SHALL BE LICENSED MECHANICAL ENGINEER, COMMISSIONING AGENT TO PROVIDE COMMISSIONING PLAN LISTING EQUIPMENT AND TEST TO BE PERFORMED TO ENGINEER FOR REVIEW. COMMISSIONING AGENT SHALL PROVIDE REPORT STATING ANY SYSTEM DEFICIENCIES AND LISTING ANY DEFERRED TESTS.

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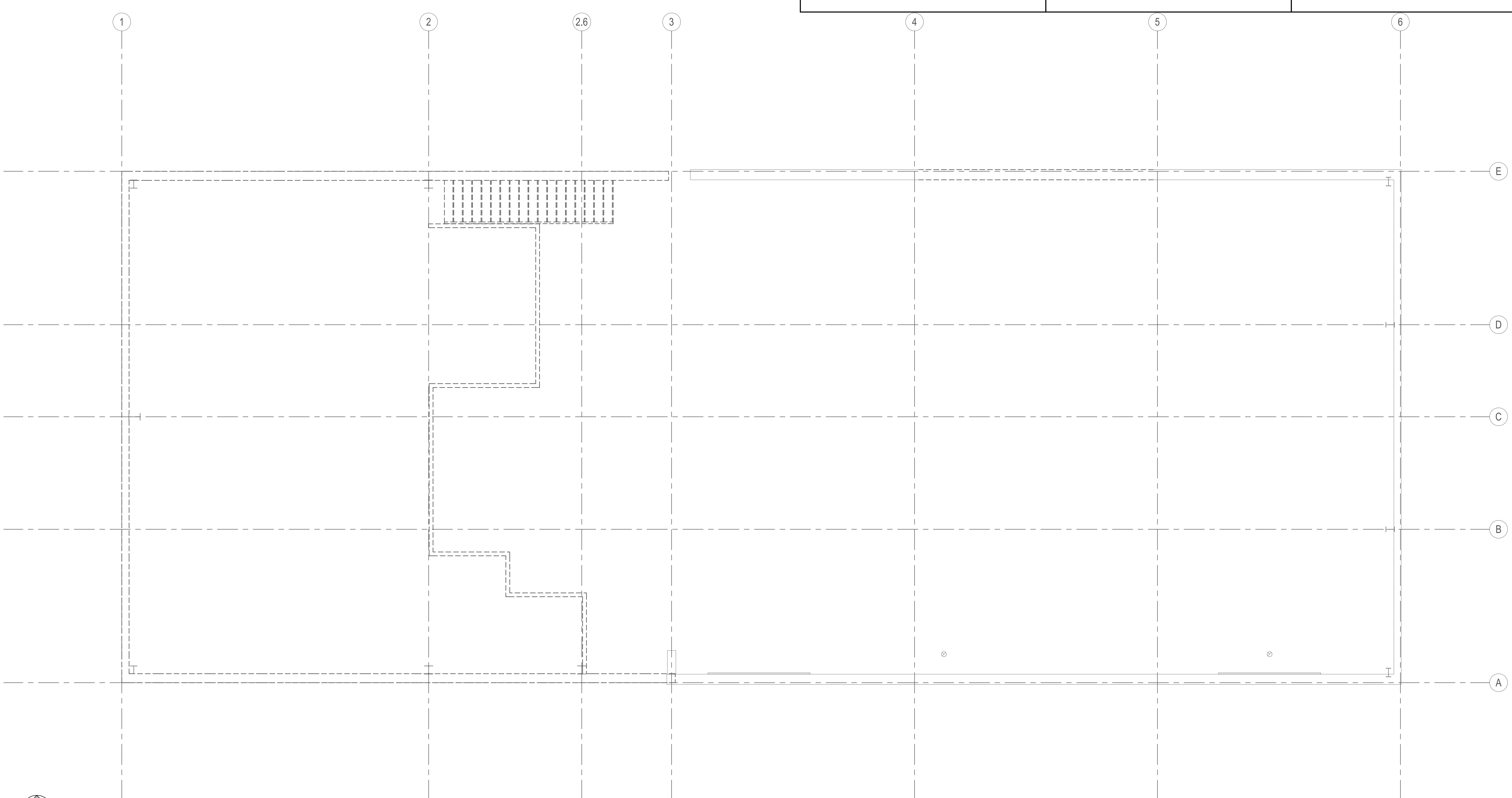
17. PIPING AND DUCTWORK SHALL NOT BE SUPPORTED FROM THE ROOF DECK, JOIST BRIDGING OR OTHER PIPES. HANG PIPES FROM BEAMS, JOIST OR SUPPLEMENTARY STRUCTURAL MEMBERS. WHERE POSSIBLE INSTALL ALL PIPING AND DUCTWORK WITHIN 12" FROM SUPPORTING STRUCTURE.

18. PROVIDE A MARINE TOPSIDE BLACK PAINT ON ALL NEW GAS PIPING.

19. MECHANICAL PIPING SCHEDULE:
A. REFRIGERANT PIPING = ACR TYPE L - BRAZED



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| Description | Rev. | Date | Appr. |
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| REVISIONS | |
| Submitted by: | REV: 06 FEB 2024 |
| Designed by: RHB | Drawn by: LGG |
| Reviewed by: RHB | Scale: As indicated |
| Submitted by: RHB | Project Number: E32002TP |

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LEVEL 2 MECHANICAL DEMO PLAN

1 LEVEL 2 MECHANICAL DEMOLITION PLAN
1/4" = 1'-0"

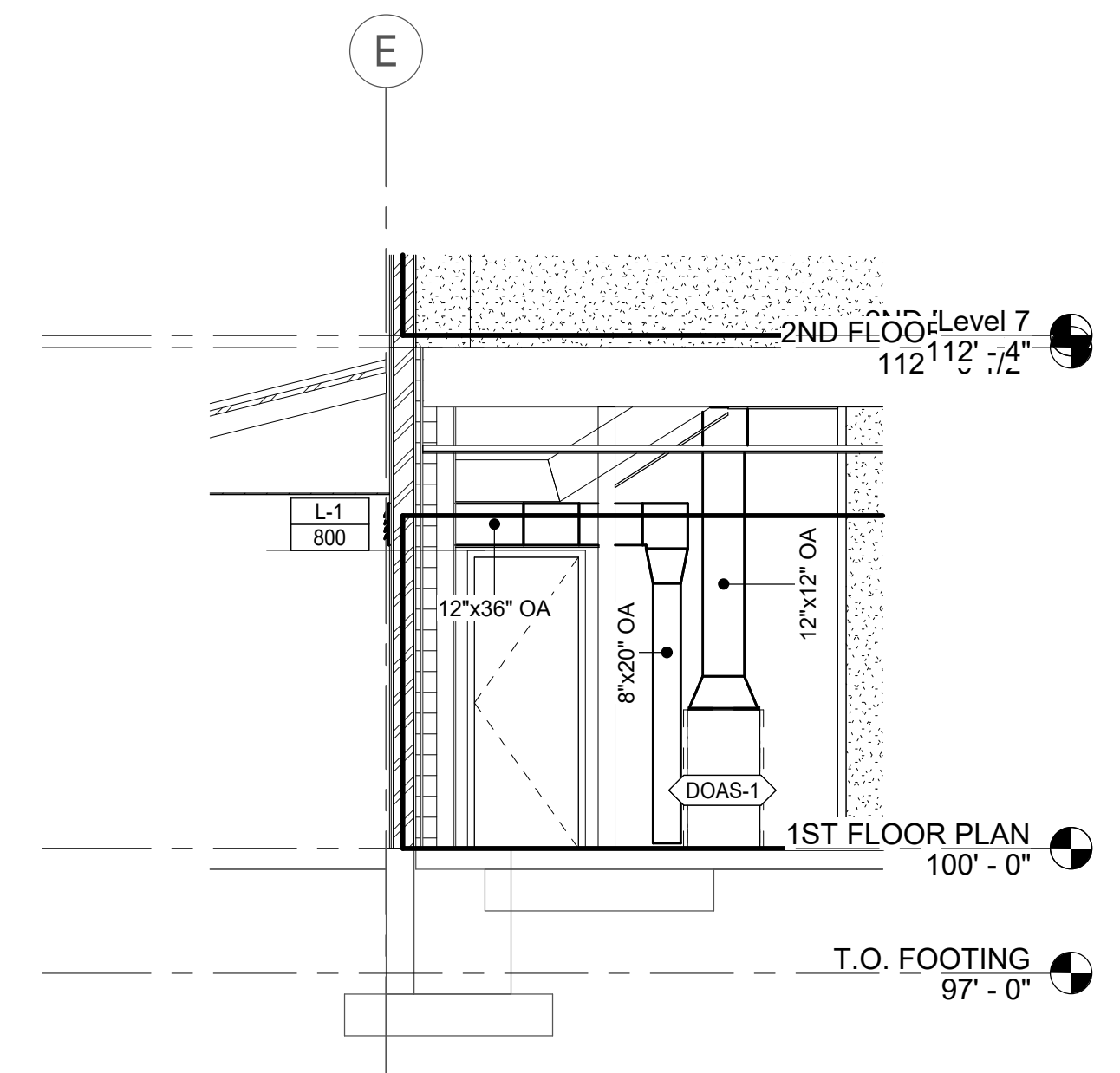
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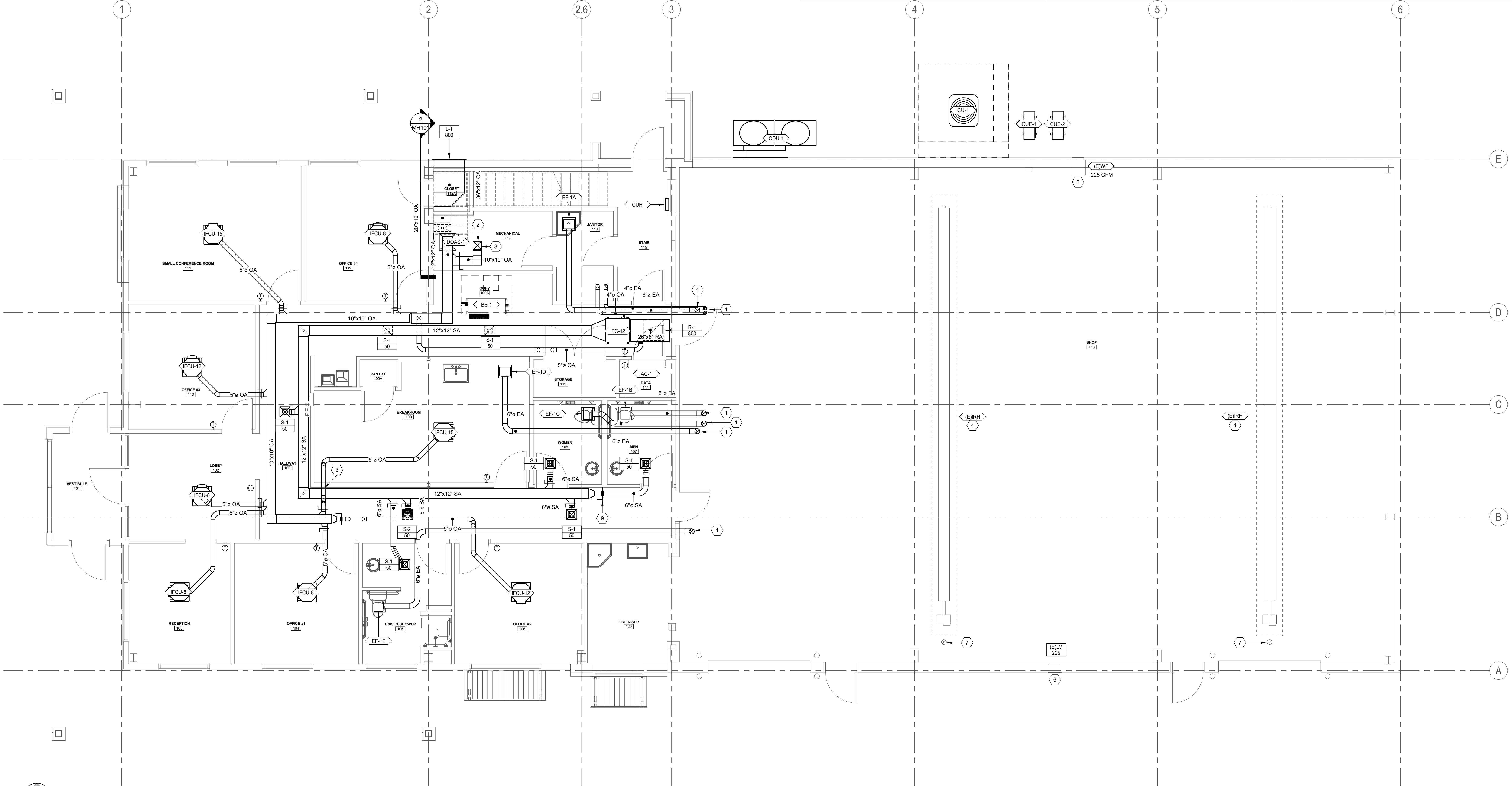
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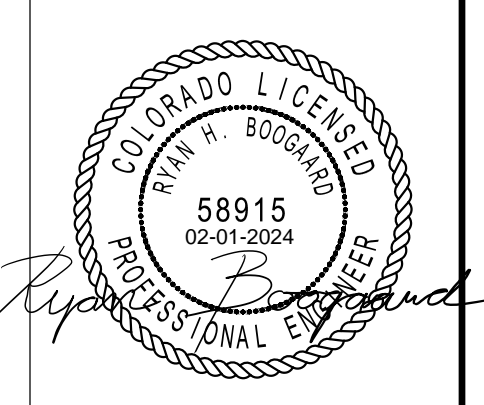


2 LOUVER IN EXTERIOR WALL
1/4" = 1'-0"

| SHEET KEYNOTES | MECHANICAL GENERAL NOTES | MECHANICAL GENERAL NOTES |
|---|---|--|
| <ol style="list-style-type: none"> DUCT RISE UP TO RUN BELOW ROOF STRUCTURE. DUCT RISE UP TO LEVEL 2 IN THIS APPROXIMATE LOCATION. DUCT RISE UP / DROP DOWN IN THIS APPROXIMATE LOCATION. EXISTING HEATERS TO REMAIN IN THE WAREHOUSE/SHOP. EXISTING SUPPLY WALL FAN TO REMAIN IN THIS APPROXIMATE LOCATION. EXISTING LOUVER TO REMAIN IN THIS APPROXIMATE LOCATION. EXISTING 8 VENT TO REMAIN IN THIS APPROXIMATE LOCATION. PROVIDE AND INSTALL FIRE DAMPER AT THE HORIZONTAL RATED ASSEMBLY PENETRATION IN THIS APPROXIMATE LOCATION. PROVIDE AND INSTALL A BALANCING DAMPER IN THIS APPROXIMATE LOCATION. | <ol style="list-style-type: none"> ALL EQUIPMENT TO BE SELECTED BASED OFF OF SITE INFORMATION, INCLUDING CURBS EQUAL TO OR GREATER THAN DESIGN SNOW DEPTH. ELEVATION: 6035 FT SDR: 88F SVR: 57F WOB: 2F DESIGN SNOW DEPTH: 4" THIS CONTRACTOR SHALL CLOSELY COORDINATE MECHANICAL AND PLUMBING WITH ELECTRICAL, ARCHITECTURAL, AND BUILDING STRUCTURE. ALL LOW PRESSURE RECTANGULAR DUCTWORK TO BE LINED WITH INSULATION WITH AN R-VALUE OF R-6. ALL LOW PRESSURE ROUND DUCTWORK TO BE WRAPPED WITH INSULATION WITH AN R-VALUE OF R-6. NO DUCT LINER IN OUTSIDE AIR DUCTWORK OR DUCTWORK WITH IN DUCT HUMIDIFIERS. ALL DUCT DIMENSIONS ARE INSIDE CLEAR DIMENSIONS. FLEXIBLE DUCT MAY BE USED AT FINAL TERMINATION OF DUCT TO DIFFUSER OR GRILLE. MAXIMUM FLEXIBLE DUCT LENGTH IS 5'-0". PROVIDE DUCT SUPPORTS EVERY 3 FEET. FLEX DUCT SHALL NOT BE COMPRESSED OR KINKED BY ANY OBJECTS SUCH AS STRUCTURE, PIPING, ETC. GRILLES AND DUCTWORK ARE SIZED INDEPENDENTLY. THE NECK SIZE OF GRILLES MAY NOT MATCH THE ASSOCIATED DUCT SIZE. PROVIDE TRANSITION TO GRILLES AS NECESSARY. PROVIDE BALANCING DAMPER WITH LOCKING QUADRANT IN EACH DUCT BRANCH OF SUPPLY AND EXHAUST DUCTWORK. PROVIDE REMOTE CABLE OPERATED DAMPERS FOR ALL DUCTWORK ABOVE HARD LID CEILINGS OR WHERE DAMPER IS INACCESSIBLE OR PROVIDE OPPOSED BLADE DAMPER WITH NYLON BUSHINGS AT GRILLE. PROVIDE ACCESS DOORS FOR ALL SERVICEABLE EQUIPMENT OR VALVES ABOVE HARD LID CEILINGS OR IN WALLS. ALL ACCESS PANELS ARE TO BE PAINTED TO MATCH ADJACENT SURFACES. GO TO HIRE NEBB OR AMBC CERTIFIED THIRD PARTY TEST AND BALANCE (TAB) CONTRACTOR. TAB CONTRACTOR SHALL ADJUST SHEAVES, BELTS, DAMPERS, ETC AS NECESSARY TO BALANCE SYSTEM TO AIRFLOWS REQUIRED AT LOWEST POSSIBLE SPEEDS. FOLLOW PROCEDURES AS LAID FORTH IN THE CURRENT VERSION OF "PROCEDURAL STANDARDS FOR TESTING ADJUSTING AND BALANCING OF ENVIRONMENTAL SYSTEMS" BY NEBB. PROVIDE REPORT ON NEBB FORMS TO ENGINEER FOR REVIEW. WHERE PIPE OR DUCT PENETRATES A RATED ASSEMBLY OR FLOOR AND IS NOT REQUIRED TO BE PROTECTED BY A DAMPER, ALL SPACE BETWEEN THE DUCT AND ASSEMBLY IS TO BE FIRE CALKED. INSULATION OR COVERINGS ARE NOT TO CONTINUE THROUGH ASSEMBLY UNLESS TESTED AS PART OF AN APPROVED PENETRATION FIRESTOP SYSTEM. COORDINATE EXACT THERMOSTAT LOCATIONS WITH FURNITURE AND OWNER. FAILURE TO DO SO MAY REQUIRE MOVING THERMOSTATS AT CONTRACTORS COST. | <ol style="list-style-type: none"> CONTRACTOR SHALL FIELD VERIFY EXISTING FIELD CONDITIONS PRIOR TO ORDERING OR FABRICATING. ADDITIONAL COST WILL NOT BE ALLOWED FOR CONTRACTOR'S FAILURE TO BECOME FAMILIAR WITH EXISTING SITE CONDITIONS. PROVIDE FACTORY AUTHORIZED STARTUP OF ALL EQUIPMENT INCLUDING STARTUP OF ANY FACTORY CONTROLS TO ENSURE PROPER SEQUENCING AND/OR COMMUNICATION TO BMS. GENERAL CONTRACTOR SHALL HIRE A 3RD PARTY COMMISSIONING AGENT TO COMMISSION NEW HVAC EQUIPMENT. COMMISSIONING AGENT SHALL BE LICENSED MECHANICAL ENGINEER. COMMISSIONING AGENT TO PROVIDE COMMISSIONING PLAN LISTING EQUIPMENT AND TEST TO BE PERFORMED TO ENGINEER FOR REVIEW. COMMISSIONING AGENT SHALL PROVIDE REPORT STATING ANY SYSTEM DEFICIENCIES AND LISTING ANY DEFERRED TESTS. PROVIDE OPERATION AND MAINTENANCE MANUALS (O&M) WITHIN 30 DAYS OF CERTIFICATE OF OCCUPANCY FOR ALL EQUIPMENT IN DIGITAL FORMAT TO ENGINEER FOR REVIEW. O&M'S SHALL INCLUDE DOCUMENTATION OF ALL WARRANTIES, REPORTS AND TESTS. RECORD DRAWINGS, CONTROLS SEQUENCE OF OPERATIONS WITH DIAGRAMS, & EQUIPMENT INFORMATION. EQUIPMENT INFORMATION INCLUDES MAKE & MODEL, WIRING, PIPING, STARTUP, SHUTDOWN, TROUBLE SHOOTING SYSTEM BALANCING REPORT, FINAL COMMISSIONING REPORT AND MAINTENANCE PROCEDURES. PIPING AND DUCTWORK SHALL NOT BE SUPPORTED FROM THE ROOF DECK, JOIST BRIDGING OR OTHER PIPES. HANG PIPES FROM BEAMS, JOIST OR SUPPLEMENTARY STRUCTURAL MEMBERS WHERE POSSIBLE. INSTALL ALL PIPING AND DUCTWORK WITHIN 12" FROM SUPPORTING STRUCTURE. PROVIDE A MARINE TOPSIDE BLACK PAINT ON ALL NEW GAS PIPING. MECHANICAL PIPING SCHEDULE: <ol style="list-style-type: none"> REFRIGERANT PIPING = ACR TYPE L - BRAZED |



1 LEVEL 1 MECHANICAL PLAN
1/4" = 1'-0"



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| REV. | DATE | DESCRIPTION |
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| 2 | 10.20.23 | City Comments R2 |

Submitted by: RHB
Designed by: RHB
Drawn by: LCG
Reviewed by: RHB
Submitted by: RHB

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RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

SHEET NUMBER
MH101

SHEET KEYNOTES

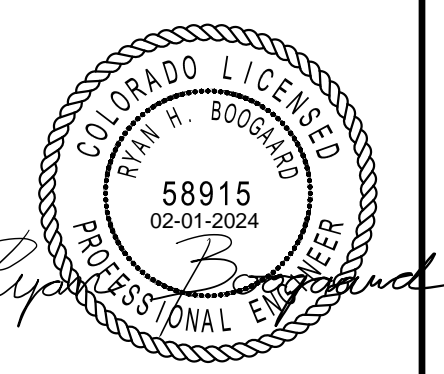
- DUCT RISE UP FROM LEVEL 1 TO RUN TO EXTERIOR WALL.
- INSTALL LOUVER AT 19 FT FROM THE BOTTOM OF THE LOUVER TO THE FINISHED FLOOR.
- DUCT DROP DOWN TO LEVEL 1 IN THIS APPROXIMATE LOCATION.

MECHANICAL GENERAL NOTES

- ALL EQUIPMENT TO BE SELECTED BASED OFF OF SITE INFORMATION, INCLUDING CURBS EQUAL TO OR GREATER THAN DESIGN SNOW DEPTH. ELEVATION: 6035 FT SDB: 80F SWB: 57F WDB: 27F DESIGN SNOW DEPTH: 4'
- THIS CONTRACTOR SHALL CLOSELY COORDINATE MECHANICAL AND PLUMBING WITH ELECTRICAL, ARCHITECTURAL, AND BUILDING STRUCTURE.
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- PROVIDE A MARINE TOPSIDE BLACK PAINT ON ALL NEW GAS PIPING.
- MECHANICAL PIPING SCHEDULE:
 - A. REFRIGERANT PIPING = ACR TYPE L - BRAZED



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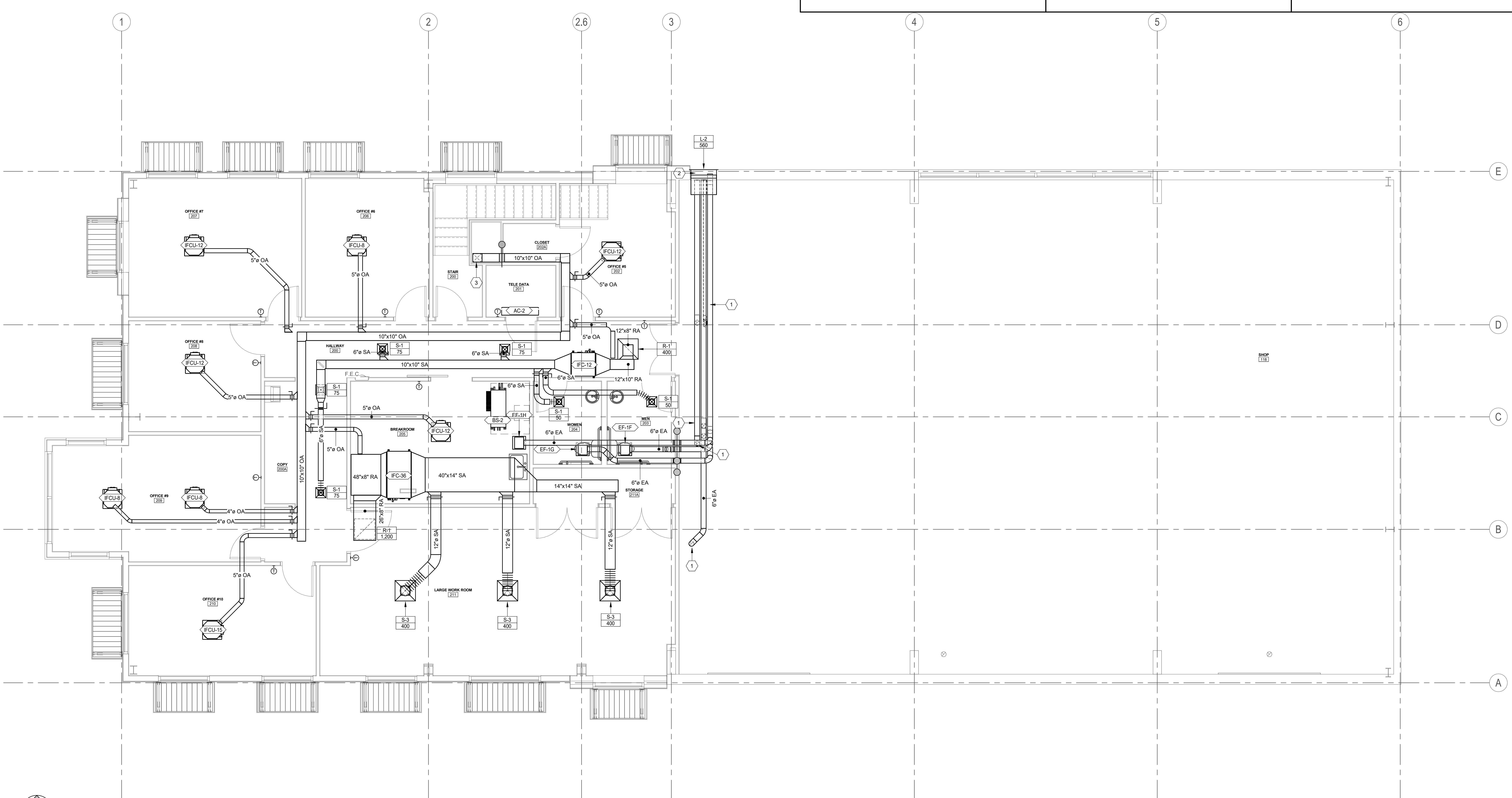
| REV. | DATE | DESCRIPTION |
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| 2 | 10.20.23 | City Comments R2 |

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| Submitted by: | 06 FEB 2024 | REV: | 2 |
| Drawn by: | RHB | File: | |
| Reviewed by: | LCG | Scale: | As indicated |
| Submitted by: | RHB | Project Number: | EA230027P |

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RCH Valley
 Real Color Holdings, LLC
 875 Valley St
 Colorado Springs, CO
 80915

LEVEL 2 MECHANICAL PLAN
 SHEET NUMBER
MH102



1 LEVEL 2 MECHANICAL PLAN
 1/4" = 1'-0"

1 SHEET KEYNOTES

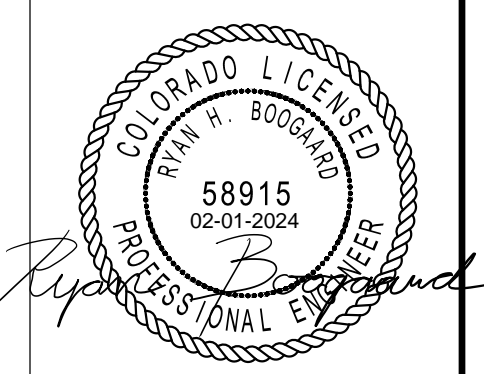
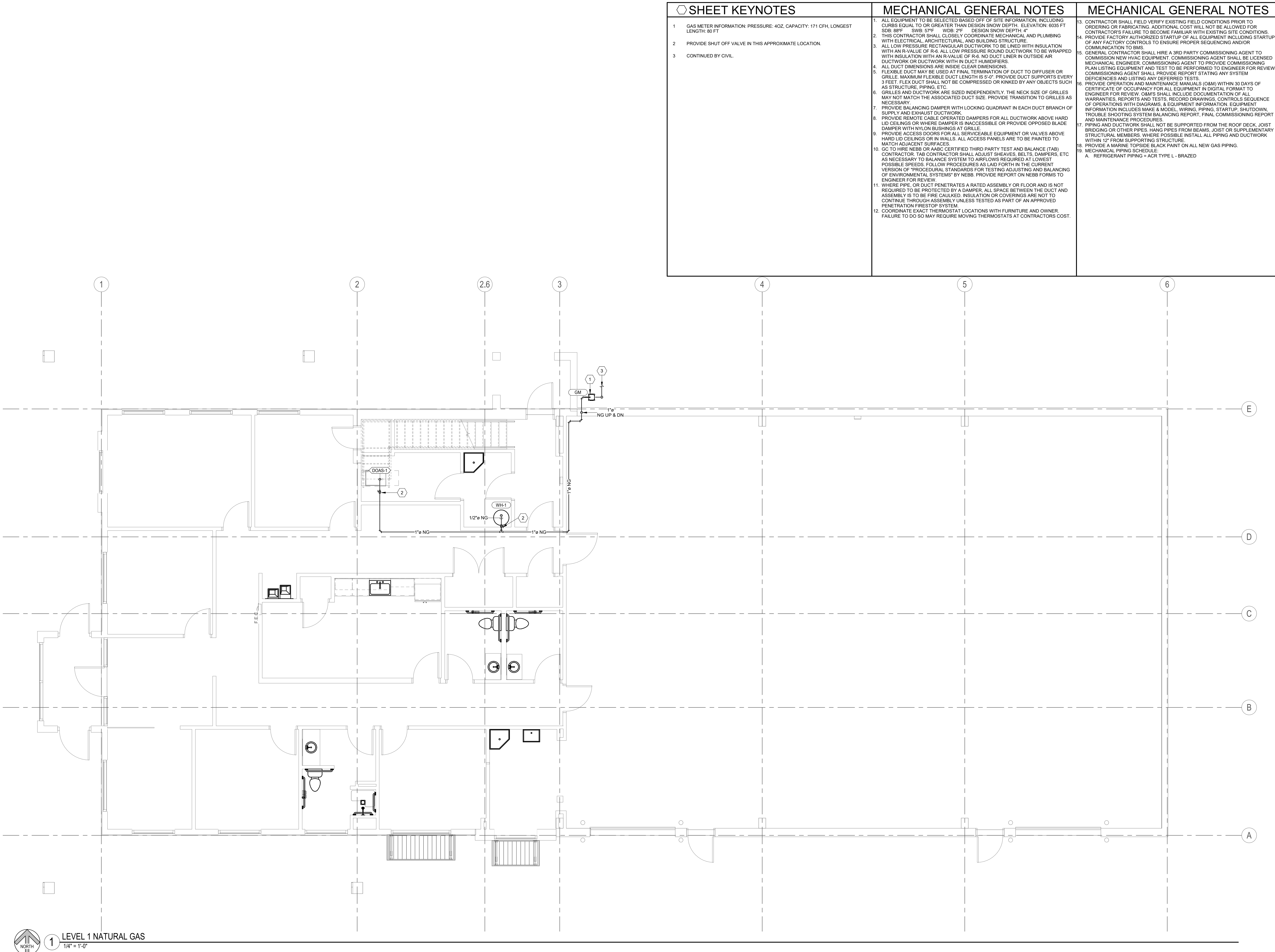
- 1 GAS METER INFORMATION: PRESSURE: 40Z, CAPACITY: 171 CFH, LONGEST LENGTH: 80 FT
- 2 PROVIDE SHUT OFF VALVE IN THIS APPROXIMATE LOCATION.
- 3 CONTINUED BY CIVIL.

MECHANICAL GENERAL NOTES

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15. PROVIDE OPERATION AND MAINTENANCE MANUALS (O&M) WITHIN 30 DAYS OF CERTIFICATE OF OCCUPANCY FOR ALL EQUIPMENT IN DIGITAL FORMAT TO ENGINEER FOR REVIEW. O&M'S SHALL INCLUDE DOCUMENTATION OF ALL WARRANTIES, REPORTS AND TESTS. RECORD DRAWINGS, CONTROLS SEQUENCE OF OPERATIONS WITH DIAGRAMS, & EQUIPMENT INFORMATION. EQUIPMENT INFORMATION INCLUDES MAKE & MODEL, WIRING, PIPING, STARTUP, SHUTDOWN, TROUBLE SHOOTING SYSTEM BALANCING REPORT, FINAL COMMISSIONING REPORT AND MAINTENANCE PROCEDURES.
16. PIPING AND DUCTWORK SHALL NOT BE SUPPORTED FROM THE ROOF DECK, JOIST BRIDGING OR OTHER PIPES. HANG PIPES FROM BEAMS, JOIST OR SUPPLEMENTARY STRUCTURAL MEMBERS. WHERE POSSIBLE INSTALL ALL PIPING AND DUCTWORK WITHIN 12" FROM SUPPORTING STRUCTURE.
17. PROVIDE A MARINE TOPSIDE BLACK PAINT ON ALL NEW GAS PIPING.
18. MECHANICAL PIPING SCHEDULE:
A. REFRIGERANT PIPING = ACR TYPE L - BRAZED



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| Designed by: RHB | Submitted: 06 FEB 2024 | File: | As Indicated: |
| Drawn by: LGG | Reviewed by: RHB | Scale: | Project Number: ES24002TP |
| Submitted by: RHB | | | |

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RCH Valley
Real Color Holdings, LLC
 875 Valley St
 Colorado Springs, CO
 80915

LEVEL 1 MECHANICAL PLAN - NATURAL GAS

SHEET NUMBER
MH103

1 LEVEL 1 NATURAL GAS
 1/4" = 1'-0"

SHEET KEYNOTES

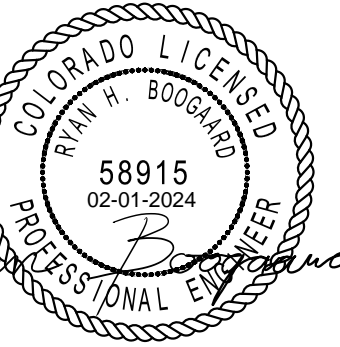
1 RUN CONDENSATE DRAIN PIPE IN CEILING SPACE.

MECHANICAL GENERAL NOTES

- ALL EQUIPMENT TO BE SELECTED BASED OFF OF SITE INFORMATION, INCLUDING CURBS EQUAL TO OR GREATER THAN DESIGN SNOW DEPTH. ELEVATION: 6035 FT SDB: 80F SWB: 67F WDB: 27F DESIGN SNOW DEPTH: 4'
- THIS CONTRACTOR SHALL CLOSELY COORDINATE MECHANICAL AND PLUMBING WITH ELECTRICAL, ARCHITECTURAL, AND BUILDING STRUCTURE.
- ALL LOW PRESSURE RECTANGULAR DUCTWORK TO BE LINED WITH INSULATION WITH AN R-VALUE OF R-6. ALL LOW PRESSURE ROUND DUCTWORK TO BE WRAPPED WITH INSULATION WITH AN R-VALUE OF R-6. NO DUCT LINER IN OUTSIDE AIR DUCTWORK OR DUCTWORK WITH IN DUCT HUMIDIFIERS.
- ALL DUCT DIMENSIONS ARE INSIDE CLEAR DIMENSIONS.
- FLEXIBLE DUCT MAY BE USED AT FINAL TERMINATION OF DUCT TO DIFFUSER OR GRILLE. MAXIMUM FLEXIBLE DUCT LENGTH IS 5'-0". PROVIDE DUCT SUPPORTS EVERY 3 FEET. FLEX DUCT SHALL NOT BE COMPRESSED OR KINKED BY ANY OBJECTS SUCH AS STRUCTURE, PIPING, ETC.
- GRILLES AND DUCTWORK ARE SIZED INDEPENDENTLY. THE NECK SIZE OF GRILLES MAY NOT MATCH THE ASSOCIATED DUCT SIZE. PROVIDE TRANSITION TO GRILLES AS NECESSARY.
- PROVIDE BALANCING DAMPER WITH LOCKING QUADRANT IN EACH DUCT BRANCH OF SUPPLY AND EXHAUST DUCTWORK.
- PROVIDE REMOTE CABLE OPERATED DAMPERS FOR ALL DUCTWORK ABOVE HARD LID CEILINGS OR WHERE DAMPER IS INACCESSIBLE OR PROVIDE OPPOSED BLADE DAMPER WITH NYLON BUSHINGS AT GRILLE.
- PROVIDE ACCESS DOORS FOR ALL SERVICEABLE EQUIPMENT OR VALVES ABOVE HARD LID CEILINGS OR IN WALLS. ALL ACCESS PANELS ARE TO BE PAINTED TO MATCH ADJACENT SURFACES.
- GC TO HIRE NEBB OR AABC CERTIFIED THIRD PARTY TEST AND BALANCE (TAB) CONTRACTOR. TAB CONTRACTOR SHALL ADJUST SHEAVES, BELTS, DAMPERS, ETC AS NECESSARY TO BALANCE SYSTEM TO AIRFLOWS REQUIRED AT LOWEST POSSIBLE SPEEDS. FOLLOW PROCEDURES AS LAID FORTH IN THE CURRENT VERSION OF "PROCEDURAL STANDARDS FOR TESTING, ADJUSTING AND BALANCING OF ENVIRONMENTAL SYSTEMS" BY NEBB. PROVIDE REPORT ON NEBB FORMS TO ENGINEER FOR REVIEW.
- WHERE PIPE OR DUCT PENETRATES A RATED ASSEMBLY OR FLOOR AND IS NOT REQUIRED TO BE PROTECTED BY A DAMPER, ALL SPACE BETWEEN THE DUCT AND ASSEMBLY IS TO BE FIRE CALKED. INSULATION OR COVERINGS ARE NOT TO CONTINUE THROUGH ASSEMBLY UNLESS TESTED AS PART OF AN APPROVED PENETRATION FIRESTOP SYSTEM.
- COORDINATE EXACT THERMOSTAT LOCATIONS WITH FURNITURE AND OWNER. FAILURE TO DO SO MAY REQUIRE MOVING THERMOSTATS AT CONTRACTORS COST.

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- PROVIDE A MARINE TOPSIDE BLACK PAINT ON ALL NEW GAS PIPING.
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 - A. REFRIGERANT PIPING = ACR TYPE L - BRAZED



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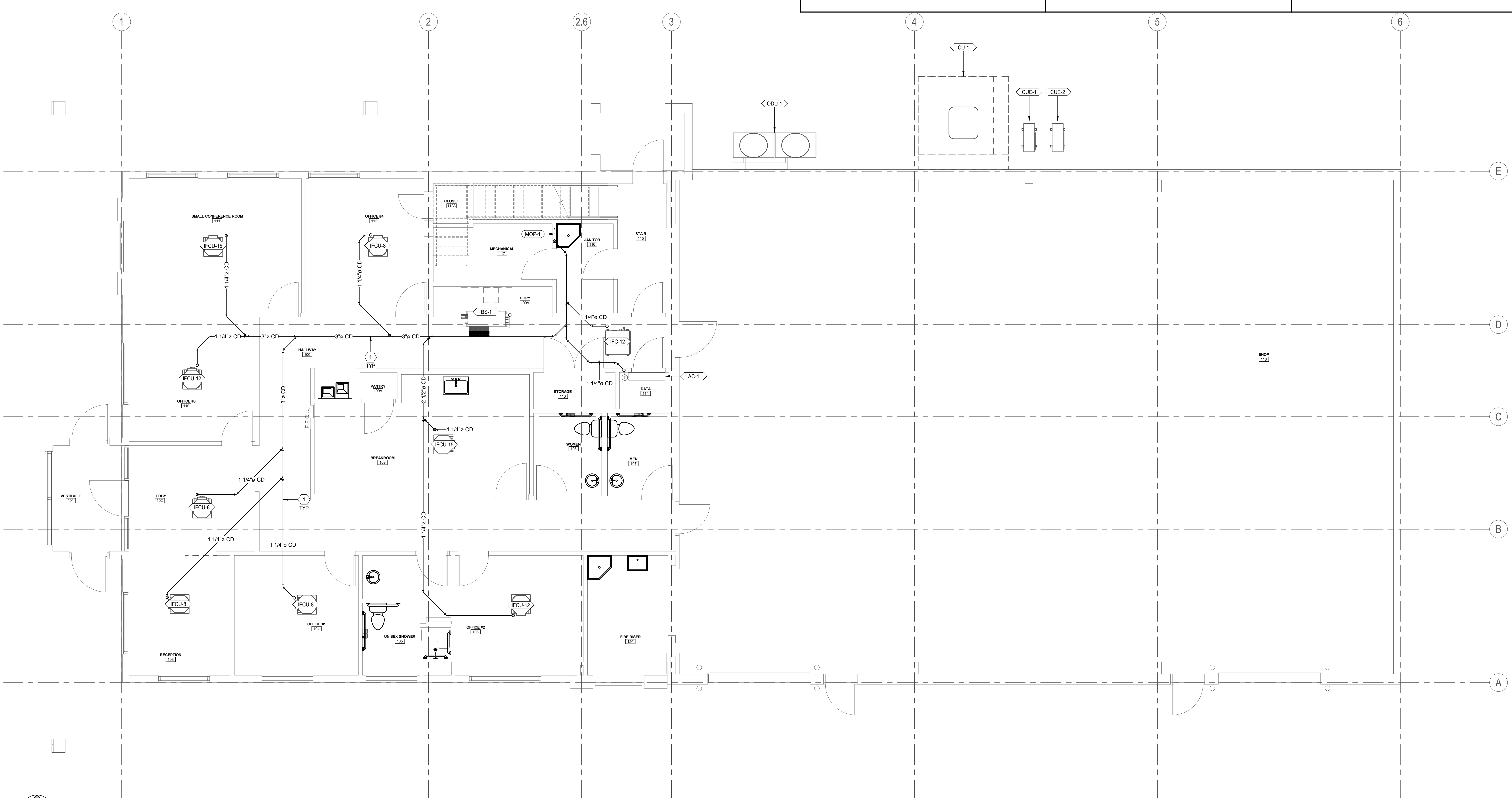
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 875 Valley St
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 80915

SHEET NUMBER
MH104



1 LEVEL 1 CONDENSATE DRAIN
 1/4" = 1'-0"

SHEET KEYNOTES

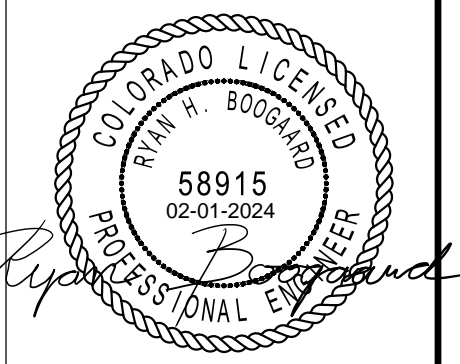
- 1 RUN CONDENSATE DRAIN PIPE IN CEILING SPACE.
- 2 PROVIDE FUNNEL DRAIN (AIR GAP) FOR AN INDIRECT WASTE PIPE CONNECTION IN THIS APPROXIMATE LOCATION.

MECHANICAL GENERAL NOTES

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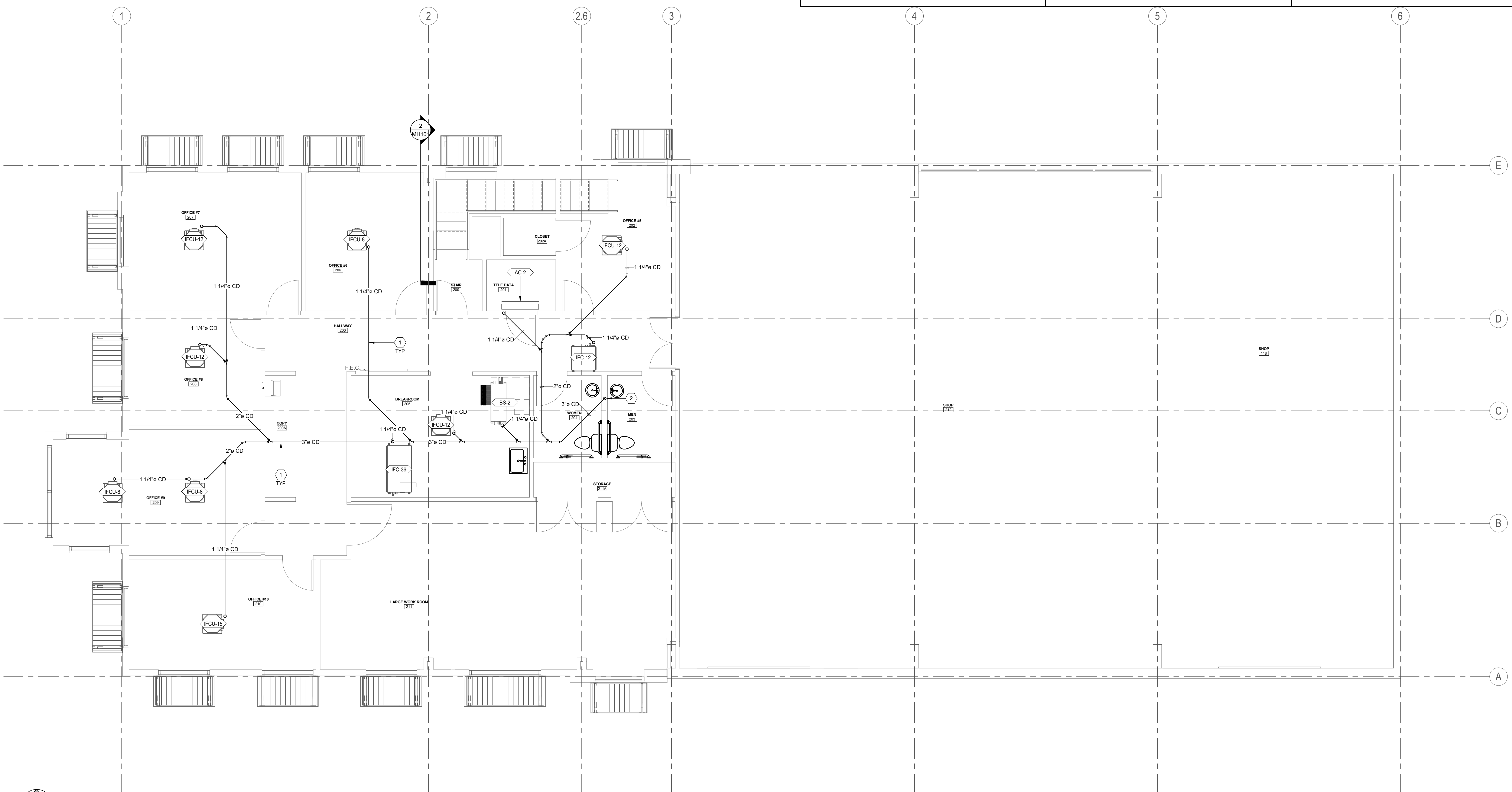
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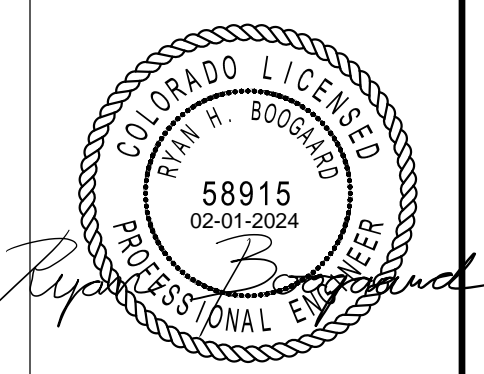
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 875 Valley St
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SHEET NUMBER
MH105



| HVAC ZONES | MECHANICAL GENERAL NOTES | MECHANICAL GENERAL NOTES |
|---|--|--|
| <ul style="list-style-type: none"> BREAKROOM (109) DATA (114) HALLWAY AND COPY (100 & 100A) JANITOR (116) LOBBY (102) OFFICE #1 (104) OFFICE #2 (106) OFFICE #3 (110) OFFICE #4 & CLOSET (112 & 112A) OPEN WAREHOUSE AND FIRE RISER (118 & 120) RECEPTION (103) SMALL CONFERENCE ROOM (111) STAIR (115) | <ol style="list-style-type: none"> 1. ALL EQUIPMENT TO BE SELECTED BASED OFF OF SITE INFORMATION, INCLUDING CURBS EQUAL TO OR GREATER THAN DESIGN SNOW DEPTH. ELEVATION: 6035 FT SIDE 80' SWB 57' WDB 27' DESIGN SNOW DEPTH 4' 2. THIS CONTRACTOR SHALL CLOSELY COORDINATE MECHANICAL AND PLUMBING WITH ELECTRICAL, ARCHITECTURAL, AND BUILDING STRUCTURE. 3. ALL LOW PRESSURE RECTANGULAR DUCTWORK TO BE LINED WITH INSULATION WITH AN R-VALUE OF R-6. ALL LOW PRESSURE ROUND DUCTWORK TO BE WRAPPED WITH INSULATION WITH AN R-VALUE OF R-6. NO DUCT LINER IN OUTSIDE AIR DUCTWORK OR DUCTWORK WITH IN DUCT HUMIDIFIERS. 4. ALL DUCT DIMENSIONS ARE INSIDE CLEAR DIMENSIONS. 5. FLEXIBLE DUCT MAY BE USED AT FINAL TERMINATION OF DUCT TO DIFFUSER OR GRILLE. MAXIMUM FLEXIBLE DUCT LENGTH IS 5'-0". PROVIDE DUCT SUPPORTS EVERY 3 FEET. FLEX DUCT SHALL NOT BE COMPRESSED OR KINKED BY ANY OBJECTS SUCH AS STRUCTURE, PIPING, ETC. 6. GRILLES AND DUCTWORK ARE SIZED INDEPENDENTLY. THE NECK SIZE OF GRILLES MAY NOT MATCH THE ASSOCIATED DUCT SIZE. PROVIDE TRANSITION TO GRILLES AS NECESSARY. 7. PROVIDE BALANCING DAMPER WITH LOCKING QUADRANT IN EACH DUCT BRANCH OF SUPPLY AND EXHAUST DUCTWORK. 8. PROVIDE REMOTE CABLE OPERATED DAMPERS FOR ALL DUCTWORK ABOVE HARD LID CEILINGS OR WHERE DAMPER IS INACCESSIBLE OR PROVIDE OPPOSED BLADE DAMPER WITH NYLON BUSHINGS AT GRILLE. 9. PROVIDE ACCESS DOORS FOR ALL SERVICEABLE EQUIPMENT OR VALVES ABOVE HARD LID CEILINGS OR IN WALLS. ALL ACCESS PANELS ARE TO BE PAINTED TO MATCH ADJACENT SURFACES. 10. GC TO HIRE NEBB OR AABC CERTIFIED THIRD PARTY TEST AND BALANCE (TAB) CONTRACTOR. TAB CONTRACTOR SHALL ADJUST SHEAVES, BELTS, DAMPERS, ETC AS NECESSARY TO BALANCE SYSTEM TO AIRFLOWS REQUIRED AT LOWEST POSSIBLE SPEEDS. FOLLOW PROCEDURES AS LAID FORTH IN THE CURRENT VERSION OF "PROCEDURAL STANDARDS FOR TESTING ADJUSTING AND BALANCING OF ENVIRONMENTAL SYSTEMS" BY NEBB. PROVIDE REPORT ON NEBB FORMS TO ENGINEER FOR REVIEW. 11. WHERE PIPE OR DUCT PENETRATES A RATED ASSEMBLY OR FLOOR AND IS NOT REQUIRED TO BE PROTECTED BY A DAMPER, ALL SPACE BETWEEN THE DUCT AND ASSEMBLY IS TO BE FIRE CALKED. INSULATION OR COVERINGS ARE NOT TO CONTRIBUTE THROUGH ASSEMBLY UNLESS TESTED AS PART OF AN APPROVED PENETRATION FIRESTOP SYSTEM. 12. COORDINATE EXACT THERMOSTAT LOCATIONS WITH FURNITURE AND OWNER. FAILURE TO DO SO MAY REQUIRE MOVING THERMOSTATS AT CONTRACTORS COST. | <ol style="list-style-type: none"> 13. CONTRACTOR SHALL FIELD VERIFY EXISTING FIELD CONDITIONS PRIOR TO ORDERING OR FABRICATING. ADDITIONAL COST WILL NOT BE ALLOWED FOR CONTRACTOR'S FAILURE TO BECOME FAMILIAR WITH EXISTING SITE CONDITIONS. PROVIDE FACTORY AUTHORIZED STARTUP OF ALL EQUIPMENT INCLUDING STARTUP OF ANY FACTORY CONTROLS TO ENSURE PROPER SEQUENCING AND/OR COMMUNICATION TO BMS. 14. GENERAL CONTRACTOR SHALL HIRE A 3RD PARTY COMMISSIONING AGENT TO COMMISSION NEW HVAC EQUIPMENT. COMMISSIONING AGENT SHALL BE LICENSED MECHANICAL ENGINEER. COMMISSIONING AGENT TO PROVIDE COMMISSIONING PLAN LISTING EQUIPMENT AND TEST TO BE PERFORMED TO ENGINEER FOR REVIEW. COMMISSIONING AGENT SHALL PROVIDE REPORT STATING ANY SYSTEM DEFICIENCIES AND LISTING ANY DEFERRED TESTS. 15. PROVIDE OPERATION AND MAINTENANCE MANUALS (O&M) WITHIN 30 DAYS OF CERTIFICATE OF OCCUPANCY FOR ALL EQUIPMENT IN DIGITAL FORMAT TO ENGINEER FOR REVIEW. O&M'S SHALL INCLUDE DOCUMENTATION OF ALL WARRANTIES, REPORTS AND TESTS. RECORD DRAWINGS, CONTROLS SEQUENCE OF OPERATIONS WITH DIAGRAMS, & EQUIPMENT INFORMATION. EQUIPMENT INFORMATION INCLUDES MAKE & MODEL, WIRING, PIPING, STARTUP, SHUTDOWN, TROUBLE SHOOTING SYSTEM BALANCING REPORT, FINAL COMMISSIONING REPORT AND MAINTENANCE PROCEDURES. 16. PIPING AND DUCTWORK SHALL NOT BE SUPPORTED FROM THE ROOF DECK, JOIST BRIDGING OR OTHER PIPES. HANG PIPES FROM BEAMS, JOIST OR SUPPLEMENTARY STRUCTURAL MEMBERS. WHERE POSSIBLE INSTALL ALL PIPING AND DUCTWORK WITHIN 12" FROM SUPPORTING STRUCTURE. 17. PROVIDE A MARINE TOPSIDE BLACK PAINT ON ALL NEW GAS PIPING. 18. MECHANICAL PIPING SCHEDULE: <ul style="list-style-type: none"> A. REFRIGERANT PIPING = ACR TYPE L - BRAZED |



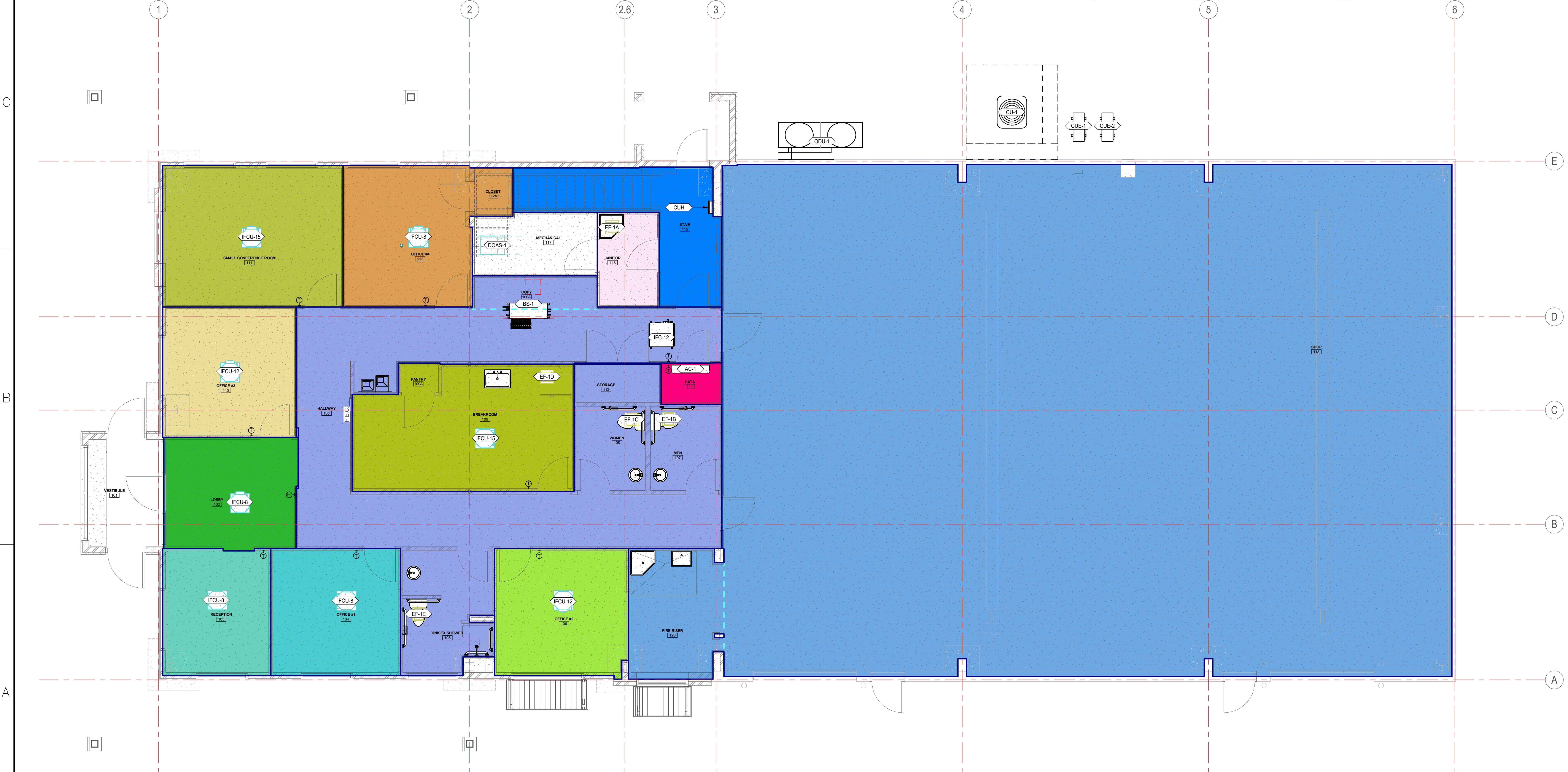
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1 LEVEL 1 HVAC ZONING PLAN
 1/4" = 1'-0"

MECHANICAL GENERAL NOTES

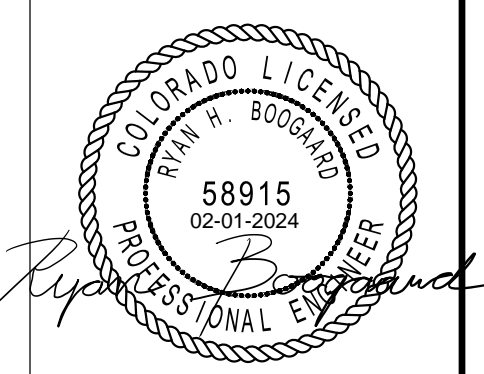
- BREAKROOM AND PANTRY (202 & 202A)
- HALLWAY (200)
- JANITOR 118
- JANITOR (116)
- LARGE WORK ROOM (210)
- OFFICE #5 (205)
- OFFICE #6 (206)
- OFFICE #7 (207)
- OFFICE #8 (208)
- OFFICE #9 (209)
- OPEN WAREHOUSE AND FIRE RISER (118 & 120)
- TELE DATA (201)

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13. CONTRACTOR SHALL FIELD VERIFY EXISTING FIELD CONDITIONS PRIOR TO ORDERING OR FABRICATING. ADDITIONAL COST WILL NOT BE ALLOWED FOR CONTRACTOR'S FAILURE TO BECOME FAMILIAR WITH EXISTING SITE CONDITIONS. PROVIDE FACTORY AUTHORIZED STARTUP OF ALL EQUIPMENT INCLUDING STARTUP OF ANY FACTORY CONTROLS TO ENSURE PROPER SEQUENCING AND/OR COMMUNICATION TO BMS.
14. GENERAL CONTRACTOR SHALL HIRE A 3RD PARTY COMMISSIONING AGENT TO COMMISSION NEW HVAC EQUIPMENT. COMMISSIONING AGENT SHALL BE LICENSED MECHANICAL ENGINEER. COMMISSIONING AGENT TO PROVIDE COMMISSIONING PLAN LISTING EQUIPMENT AND TEST TO BE PERFORMED TO ENGINEER FOR REVIEW. COMMISSIONING AGENT SHALL PROVIDE REPORT STATING ANY SYSTEM DEFICIENCIES AND LISTING ANY DEFERRED TESTS.
15. PROVIDE OPERATION AND MAINTENANCE MANUALS (O&M) WITHIN 30 DAYS OF CERTIFICATE OF OCCUPANCY FOR ALL EQUIPMENT IN DIGITAL FORMAT TO ENGINEER FOR REVIEW. O&M'S SHALL INCLUDE DOCUMENTATION OF ALL WARRANTIES, REPORTS AND TESTS. RECORD DRAWINGS, CONTROLS SEQUENCE OF OPERATIONS WITH DIAGRAMS, & EQUIPMENT INFORMATION. EQUIPMENT INFORMATION INCLUDES MAKE & MODEL, WIRING, PIPING, STARTUP, SHUTDOWN, TROUBLE SHOOTING SYSTEM BALANCING REPORT, FINAL COMMISSIONING REPORT AND MAINTENANCE PROCEDURES.
16. PIPING AND DUCTWORK SHALL NOT BE SUPPORTED FROM THE ROOF DECK, JOIST BRIDGING OR OTHER PIPES. HANG PIPES FROM BEAMS, JOIST OR SUPPLEMENTARY STRUCTURAL MEMBERS. WHERE POSSIBLE INSTALL ALL PIPING AND DUCTWORK WITHIN 12" FROM SUPPORTING STRUCTURE.
17. PROVIDE A MARINE TOPSIDE BLACK PAINT ON ALL NEW GAS PIPING.
18. MECHANICAL PIPING SCHEDULE:
 - A. REFRIGERANT PIPING = ACR TYPE L - BRAZED



EASOLUTIONS
 324 S. State Street, Suite 444
 Salt Lake City, UT 84111
 www.easolutions.us
 385-549-8800

| REV. | DATE | DESCRIPTION |
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| Submitted by: | RHB |
| Designed by: | RHB |
| Drawn by: | LCG |
| Reviewed by: | RHB |
| Submitted by: | RHB |
| Scale: | As indicated |
| Project Number: | ES230027P |
| File: | |
| Submitted: | 06 FEB 2024 |

SPECTRUM ENGINEERS
 324 S. State St., Suite 400
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RCH Valley
 Real Color Holdings, LLC
 875 Valley St
 Colorado Springs, CO
 80915

SHEET NUMBER
MZ102



1 LEVEL 2 HVAC ZONING PLAN
 1/4" = 1'-0"

| TYPE | DESCRIPTION | MFR. | CATALOG NUMBER |
|------|---|---------|----------------------------------|
| FB02 | CAST IN PLACE NEW WORK FLOOR BOX WITH 2" DATA CONDUIT | WIEMOLD | EFBBS 83 (BOX) EFBBSITBK (COVER) |
| FB01 | POKE THROUGH FLOOR BOX WITH POWER AND 2" CONDUIT FOR DATA/HDM | FSR | SF6-CPT-AVD-BLK |

| ABBREV. | DESCRIPTION | ABBREV. | DESCRIPTION |
|---------|-------------|---------|-------------|
|---------|-------------|---------|-------------|

| ABBREV. | DESCRIPTION | ABBREV. | DESCRIPTION |
|---------|-------------------------------|---------|---------------------------------|
| # | NUMBER | MH | MANHOLE |
| AC | ALTERNATING CURRENT | MC | MICROPHONE |
| A.F.F. | ABOVE FINISH FLOOR | MIN | MINIMUM |
| AIC | AMPS INTERRUPTING CAPACITY | MTG | MOUNTING |
| AM | AMPS METER | MTR | MOTOR |
| AMP | AMPERE | N/A | NOT APPLICABLE |
| ANN | ANNUNCIATOR | NC | NORMALLY CLOSED |
| ATS | AUTOMATIC TRANSFER SWITCH | NEC | NATIONAL ELECTRICAL CODE |
| AUX | AUXILIARY | NEMA | NATIONAL ELECT. MANUFAC. ASSOC. |
| AWG | AMERICAN WIRE GAUGE | NFPA | NATIONAL FIRE PROTECTION ASSOC. |
| BC | BARE COPPER | N.I.C. | NOT IN CONTRACT |
| BFG | BELOW FINISH GRADE | NO | NORMALLY OPENED |
| C | CONDUIT | NTS | NOT TO SCALE |
| CAB | CABINET | OS & Y | OUTSIDE SCREW & YOKE |
| CATV | COMMUNITY ANTENNA TELEVISION | PB | PUSHBUTTON |
| CATV | CABLE TELEVISION | PF | POWER FACTOR |
| CRT | CIRCUIT | PF | PHASE FAILURE RELAY |
| CLG | CHEMICAL | PANL | PANEL |
| CNTR | CONTRACTOR | PT | POTENTIAL TRANSFORMER |
| C.O. | CONDUIT ONLY | PVC | POLYVINYL CHLORIDE CONDUIT |
| CRT | COMPUTER TERMINAL | (R) | RELOCATE |
| CT | CURRENT TRANSFORMER | RECEP | RECEPTACLE |
| CU | COPPER | REQ | REQUIREMENT |
| CWV | COMPLETE WITH | RLA | RATED LOAD AMPS |
| DCB | DECIBEL | RMP | ROCKY MOUNTAIN POWER |
| DC | DIRECT CURRENT | RMS | ROOT MEAN SQUARE |
| DWG | DRAWING | SE | SERVICE ENTRANCE |
| (E) | EXISTING | SPEC | SPECIFICATIONS |
| EC | EMPTY CONDUIT | SPKR | SPEAKER |
| EG | EMERGENCY GENERATOR | SS | SELECTOR SWITCH |
| EMT | ELECTRICAL METALLIC TUBING | SW | SWITCH |
| EX | EXPLOSION PROOF | SWBD | SWITCHBOARD |
| FACP | FIRE ALARM CONTROL PANEL | SWGR | SWITCHGEAR |
| FC | FOOT CANDLE | TTB | TELEPHONE TERMINAL BOARD |
| FT | FOOT | TYC | TELEPHONE TERMINAL CABINET |
| GFI | GROUND FAULT INTERRUPTER | TV | TELEVISION |
| GND | GROUND | TYP | TYPICAL |
| GRC | GALVANIZED RIGID CONDUIT | UG | UNDERGROUND |
| HP | HORSE POWER | UPS | UNINTERRUPTED POWER SUPPLY |
| HZ | HERTZ | V | VOLT (KV=KILOVOLT) |
| IFC | INTERNATIONAL FIRE CODE | VAR | VOLTS AMPERE REACTIVE |
| IG | ISOLATED GROUND | VM | VOLT METER |
| IMC | INTERMEDIATE METALLIC CONDUIT | W | WATTS |
| IN | INCH | W | WITH |
| J-BOX | JUNCTION BOX | WH | WATT-HOUR METER |
| KV | KILOVOLT | W/O | WITHOUT |
| KVA | KILOVOLT AMPERES | WP | WEATHERPROOF |
| KVAR | KILOVAR | WR | TRANSFORMER |
| KW | KILOWATT | XFMR SW | TRANSFORMER SWITCH |
| LRA | LOCKED ROTOR AMPS | XP | EXPLOSION PROOF |
| LTG | LIGHTING | 1P | SINGLE-PHASE |
| MNF | MANUFACTURER | 2P | TWO-POLE |
| MAX | MAXIMUM | 3P | THREE-POLE |
| MB | MAIN BUS | 4P | FOUR-POLE |
| MCC | MOTOR CONTROL CENTER | Ø | PHASE |
| MCM | 1000 CIRCULAR MILLS | | |

SYMBOL SCHEDULE

| SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION |
|--------|-------------|--------|-------------|
|--------|-------------|--------|-------------|

| SYMBOL | DESCRIPTION | MOUNTING HEIGHT | NOTES |
|--------|-------------|-----------------|-------|
|--------|-------------|-----------------|-------|

| SYMBOL | DESCRIPTION | MOUNTING HEIGHT | NOTES |
|--------|-------------|-----------------|-------|
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| SYMBOL | DESCRIPTION | MOUNTING HEIGHT | NOTES |
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| SYMBOL | DESCRIPTION | MOUNTING HEIGHT | NOTES |
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| SYMBOL | DESCRIPTION | MOUNTING HEIGHT | NOTES |
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| SYMBOL | DESCRIPTION | MOUNTING HEIGHT | NOTES |
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| SYMBOL | DESCRIPTION | MOUNTING HEIGHT | NOTES |
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| SYMBOL | DESCRIPTION | MOUNTING HEIGHT | NOTES |
|--------|-------------|-----------------|-------|
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GENERAL NOTES

- 1. CONSULT ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL LIGHTING FIXTURES.
- 2. VERIFY ALL EQUIPMENT DIMENSIONS AND LOCATIONS BEFORE BEGINNING ROUGH IN. CONSULT ALL APPLICABLE CONTRACT DRAWINGS AND SHOP DRAWINGS TO INSURE NEC CODE CLEARANCES REQUIRED AROUND ALL ELECTRICAL EQUIPMENT.
- 3. CONTRACTOR SHALL VERIFY ALL ELECTRICAL LOADS (VOLTAGE, PHASE, CONNECTION REQUIREMENTS, ETC.) OF ALL EQUIPMENT FURNISHED UNDER ALL DIVISIONS, INCLUDING ALL EXISTING EQUIPMENT TO BE RE-USED. MATERIAL ALL SHOP DRAWINGS AND EXISTING EQUIPMENT BEFORE BEGINNING ROUGH-IN.
- 4. SEE SECTION 285100 (16510) OF THE SPECIFICATION FOR REQUIRED COORDINATION MEETINGS WITH MECHANICAL AND CEILING CONTRACTORS.
- 5. SEE APPLICABLE SHOP DRAWINGS FOR ROUGH IN LOCATION OF ALL EQUIPMENT, WIRING DEVICES, ETC. WHERE APPLICABLE MOUNT ALL WIRING DEVICES ABOVE BACK SPLASH EXCEPT THOSE SERVING UNDER COUNTER EQUIPMENT.
- 6. SEE SPECIFICATION FOR ENERGY SAVING LAMP AND BALLAST REQUIREMENTS.
- 7. FINISHES OF ALL LIGHT FIXTURES SHALL BE AS SELECTED BY ARCHITECT.
- 8. THE ELECTRICAL CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE MECHANICAL CONTRACTOR SUCH THAT NO PIPING, DUCTS, OR EQUIPMENT FOREIGN TO THE OPERATION OF THE ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE INSTALLED IN, ENTER OR PASS THRU ELECTRICAL ROOMS OR SPACES, OR ABOVE OR BELOW ELECTRICAL EQUIPMENT IN OTHER AREAS.
- 9. ELECTRICAL BOXES SHALL NOT BE LOCATED IN MASONRY COLUMNS IN BRICK WALLS OR IN GROUTED CELLS ADJACENT TO OPENINGS. COORDINATE LOCATION OF BOXES WITH MASONRY CONTRACTOR.
- 10. ALL PENETRATIONS OF FLOOR OR CEILING SHALL BE SEALED WITH APPROVED MATERIAL TO MAINTAIN FIRE RATED OF SURFACE PENETRATED.
- 11. CONTRACTOR SHALL VERIFY FURNITURE LAYOUT PRIOR TO ANY FLOORBOX OR POKE-THRU INSTALLATION. COORDINATE EXACT LOCATION OF FLOOR BOX OR POKE-THRU WITH OWNERS AND FURNITURE PROVIDER PRIOR TO ROUGH-IN.
- 12. CIRCUITS EXTENDING OVER 70' FOR 120 VOLT AND 115' FOR 277 VOLT 20 AMP CIRCUITS SHALL BE RUN WITH SCHEDULE #1 TABLE BOW.

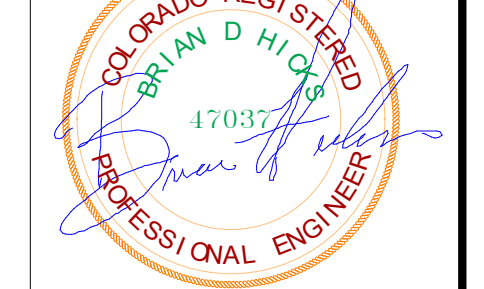
| MAXIMUM LENGTH | BRANCH CIRCUIT VOLTAGE | |
|-----------------------|------------------------|--------------|
| CONDUCTOR LENGTH (FT) | 120 VOLT | 277 VOLT |
| <70 | MIN. #12 AWG | MIN. #12 AWG |
| 70 - 115 | MIN. #10 AWG | MIN. #10 AWG |
| 115 - 170 | MIN. #8 AWG | MIN. #8 AWG |
| 170 - 270 | MIN. #6 AWG | MIN. #6 AWG |
| 271 - 380 | NOTE B | MIN. #8 AWG |
| >380 | NOTE B | NOTE B |

- A. THESE ARE BASED ON MAXIMUM LENGTH OF CIRCUIT.
- B. PERFORM VOLTAGE DROP CALCULATIONS AND PROVIDE CONDUCTOR SIZE TO KEEP BRANCH CIRCUIT VOLTAGE DROP LESS THAN 3% WITH A 15 AMP LOAD.
- C. CONTRACTOR SHALL ENSURE THAT THE INSTALLATION OF EACH BRANCH CIRCUIT STAYS WITHIN 3% VOLTAGE DROP FOR A 15 AMP LOAD. IF NECESSARY CONTRACTOR SHALL INCREASE WIRE AND CONDUIT SIZE TO MEET THE STANDARD AT NO ADDITIONAL COST TO OWNER.

SHEET INDEX

| REV. | DESCRIPTION |
|------|-------------------|
| 2 | LOAD SHEET UPDATE |

| SYMBOL | DESCRIPTION |
|--------|------------------------------|
| E101 | ELECTRICAL SYMBOLS AND NOTES |
| E102 | SITE SYMBOLS AND NOTES |
| E103 | TYPICAL DETAILS |
| E104 | SITE PHOTOMETRIC |
| E211 | FIRST FLOOR LIGHTING PLAN |
| E212 | SECOND FLOOR LIGHTING PLAN |
| E280 | LIGHTING ELEVATION |
| E310 | FIRST FLOOR DEMOLITION PLAN |
| E311 | SECOND FLOOR DEMOLITION PLAN |
| E312 | FIRST FLOOR POWER PLAN |
| E313 | SECOND FLOOR POWER PLAN |
| E314 | POWER SCHEDULES |
| E315 | PANEL BOARD SCHEDULE |
| E316 | ONE-LINE DIAGRAM |
| E411 | FIRST FLOOR SYSTEMS PLAN |
| E412 | SECOND FLOOR SYSTEMS PLAN |



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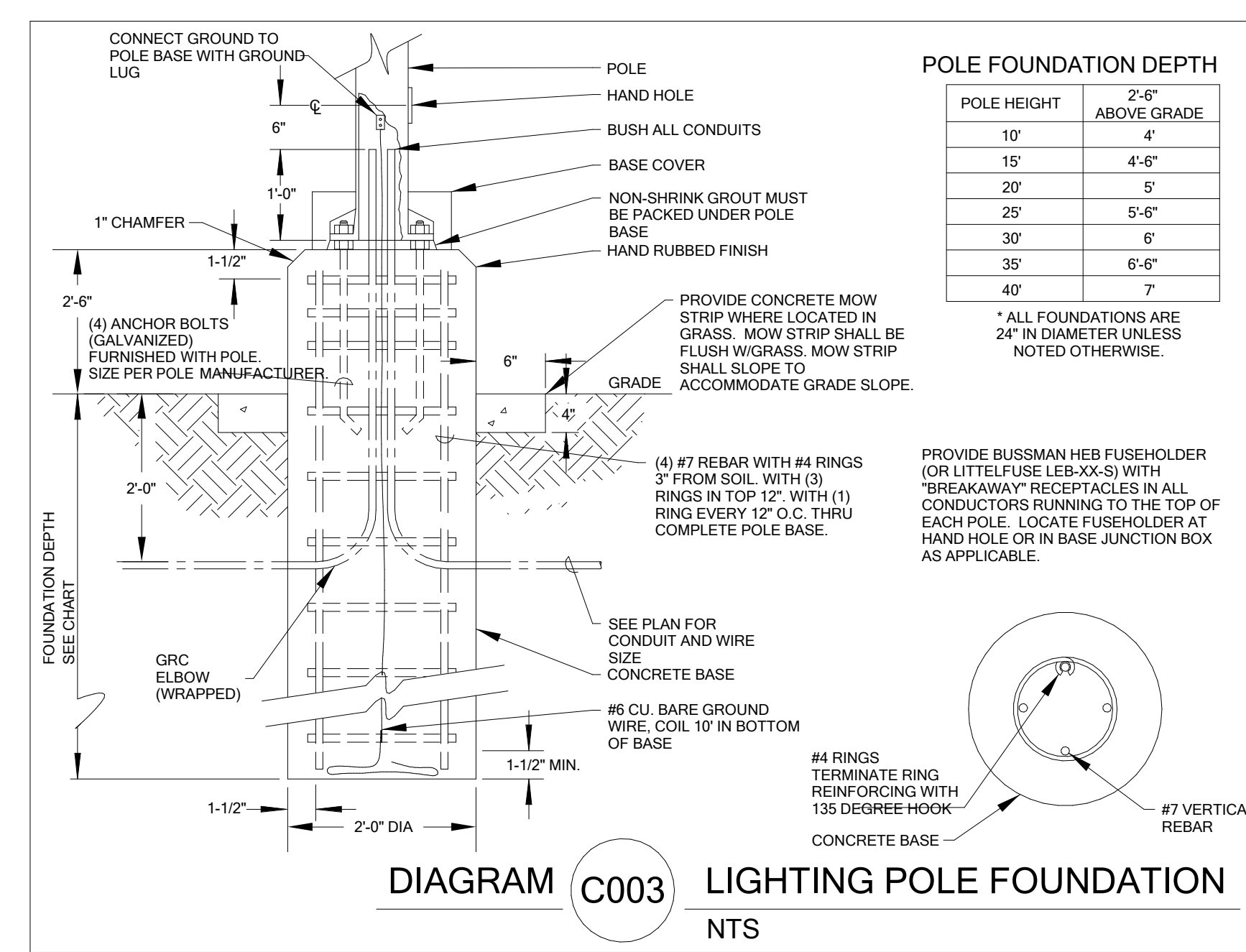
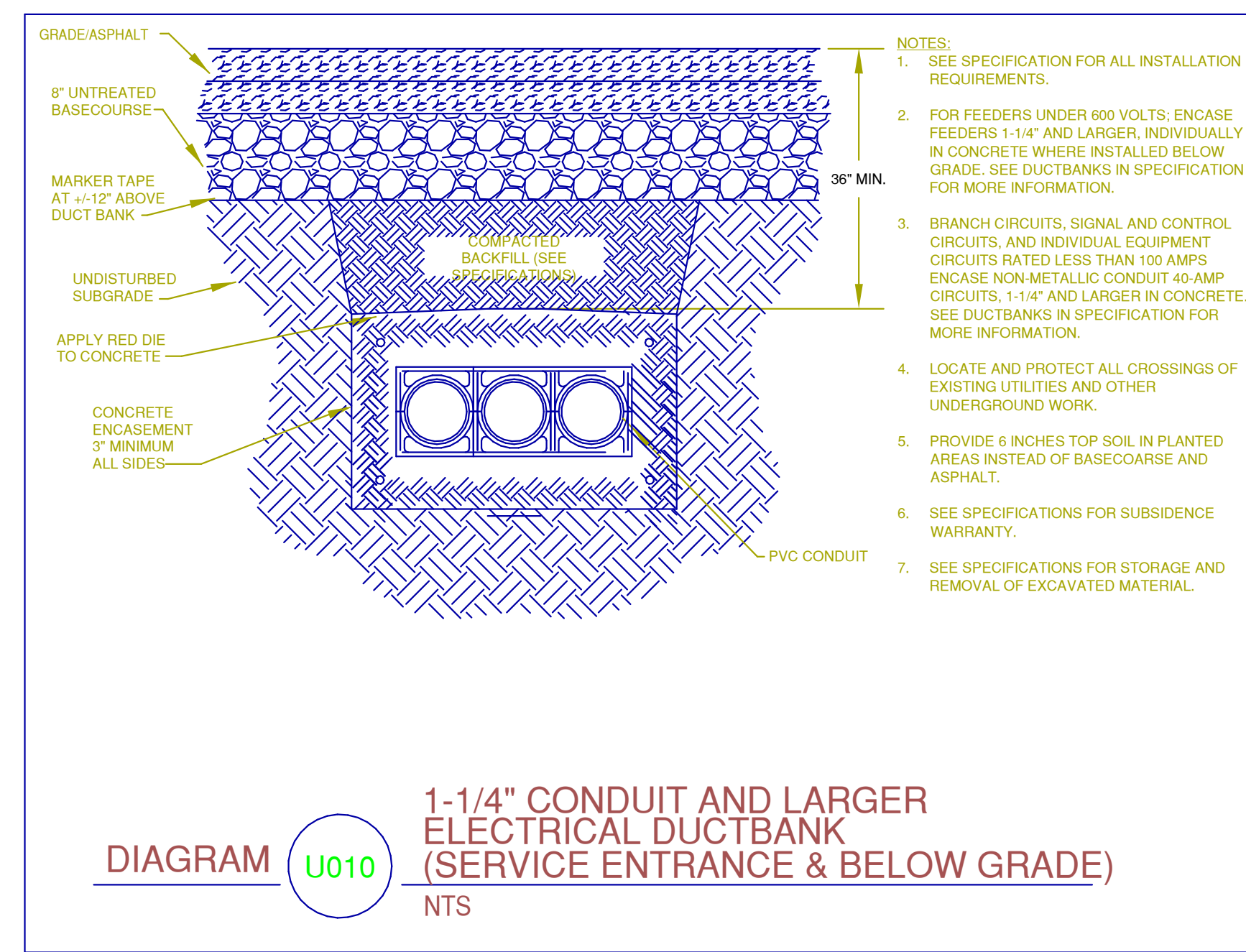
| Rev. | Date | Description |
|------|------------|-------------------|
| 1 | 07/13/2023 | Aspl |
| 2 | | LOAD SHEET UPDATE |

| Desig. By: | Drawn By: | Reviewed By: | Submitted By: |
|------------|-----------|--------------|---------------|
| BNA | BNA | BNA | BNA |

| REV. | DESCRIPTION |
|------|-------------------|
| 2 | LOAD SHEET UPDATE |

RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

ELECTRICAL SYMBOLS AND NOTES



SHEET KEYNOTES

E12 LIGHT POLE TO BE MOUNTED 90' FROM BUILDING, 4 HEAD UNIT WITH 30' POLE, ON 3" TALL BASE. INSTALL 1" DATA CONDUIT AND 1" POWER CONDUIT AND SPARE 1" CONDUIT EXTEND THE SAME CONDUIT COUNT 10' TOWARD THE EAST FOR FUTURE POLE CONNECTION. WIRE POLE WITH #8 WIRE TO PANEL. INSTALL 3 CIRCUITS, ONE FOR LIGHT, 1" FOR EACH OF 2 OUTLET BOXES, ROLL (4) CAT 6 CABLE FOR CAMERAS AT THE TOP OF THE POLES BACK TO THE DATA RACK.

E13 (2) 2" CONDUIT 36" DEEP ACROSS ASPHALT, AND STUB 10' INTO GRAVEL PARKING, SEAL CONDUIT. (1) FOR POWER AND (1) FOR DATA. TURN CONDUIT UP AT BUILDING FACE, AND EXTEND INTO BUILDING WITH LB CONDUIT BODY 24" ABOVE FINISHED GRADE.

* ALL FOUNDATIONS ARE 24" IN DIAMETER UNLESS NOTED OTHERWISE.

ELECTRICAL SITE UTILITY COORDINATION

ELECTRICAL SITE UTILITY INFORMATION HAS BEEN COORDINATED WITH THE FOLLOWING UTILITY COMPANY REPRESENTATIVES. VERIFY ALL LOCATIONS, DIMENSIONS, CLEARANCES, REGULATIONS, ETC., PRIOR TO INSTALLATION. NOTIFY ENGINEER OF ANY REVISIONS REQUIRED.

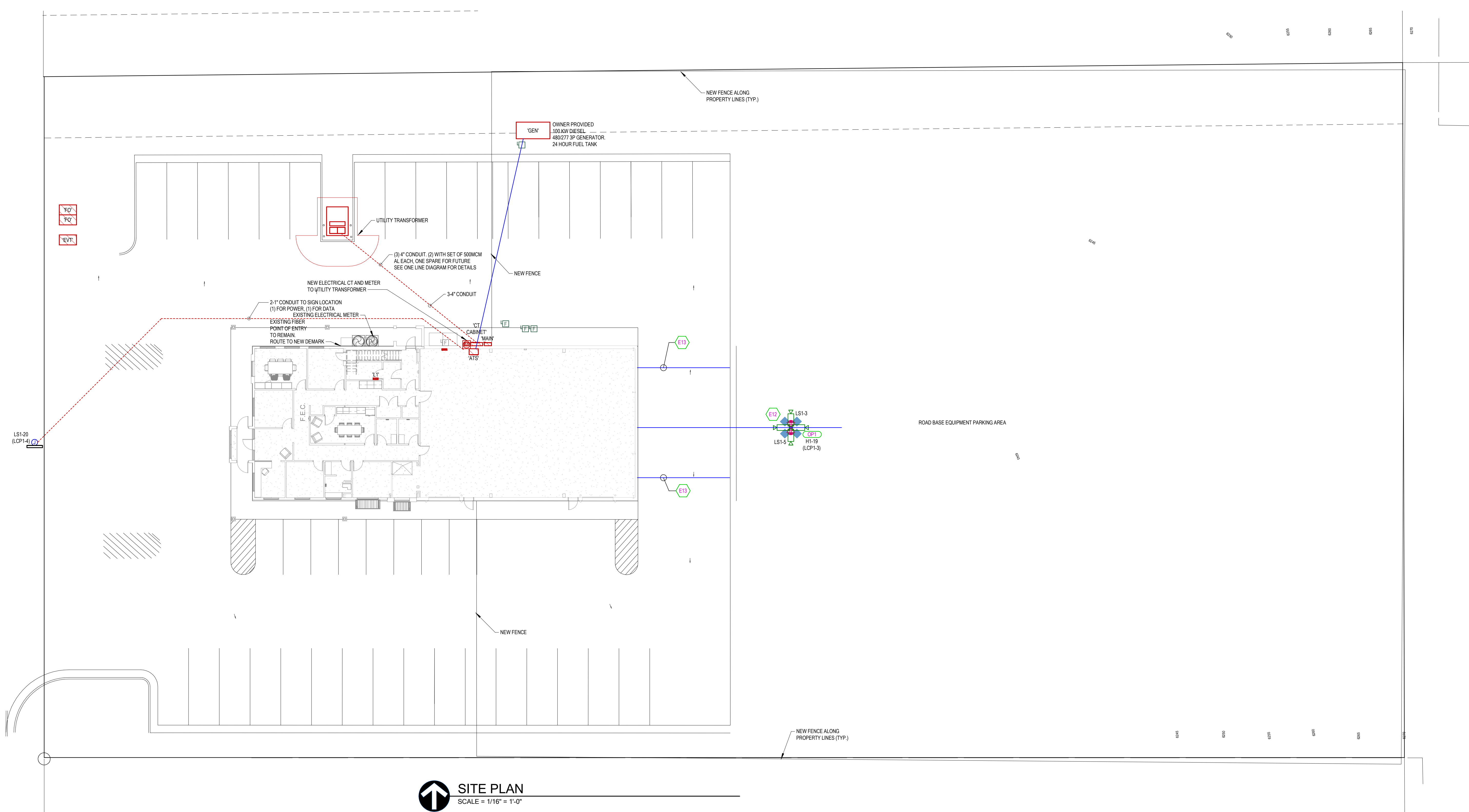
| COMPANY | CONTACT | PHONE NO. | EMAIL | WORK ORDER NO. |
|--------------------------|---------|-----------|-------|----------------|
| POWER COMPANY | X | X | X | X |
| TELEPHONE COMPANY | X | X | X | X |
| CABLE TV COMPANY | X | X | X | X |

SITE SHEET INDEX

| Sheet | Description |
|-------|------------------------|
| E100 | SITE SYMBOLS AND NOTES |
| E102 | TYPICAL DETAILS |
| E103 | SITE PHOTOMETRIC |

PROFESSIONAL ENGINEER
BRAND HIGGINS
4703
10/19/2023
06/01/2023

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SITE PLAN
SCALE = 1/16" = 1'-0"

REVISIONS

| Rev | Date | Description |
|-----|------------|---------------|
| 1 | 10/19/2023 | CITY COMMENTS |
| 2 | 06/01/2023 | Revision 1 |
| 3 | | |

DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker
REVIEWED BY: Reviewer
DATE: 02/05/2024
SCALE: As indicated
PROJECT NUMBER: Project Number
PROJECT NUMBER: Project Number

REV: 3

RCH Valley Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO 80915

SITE SYMBOLS AND NOTES

SHEET NUMBER
E100



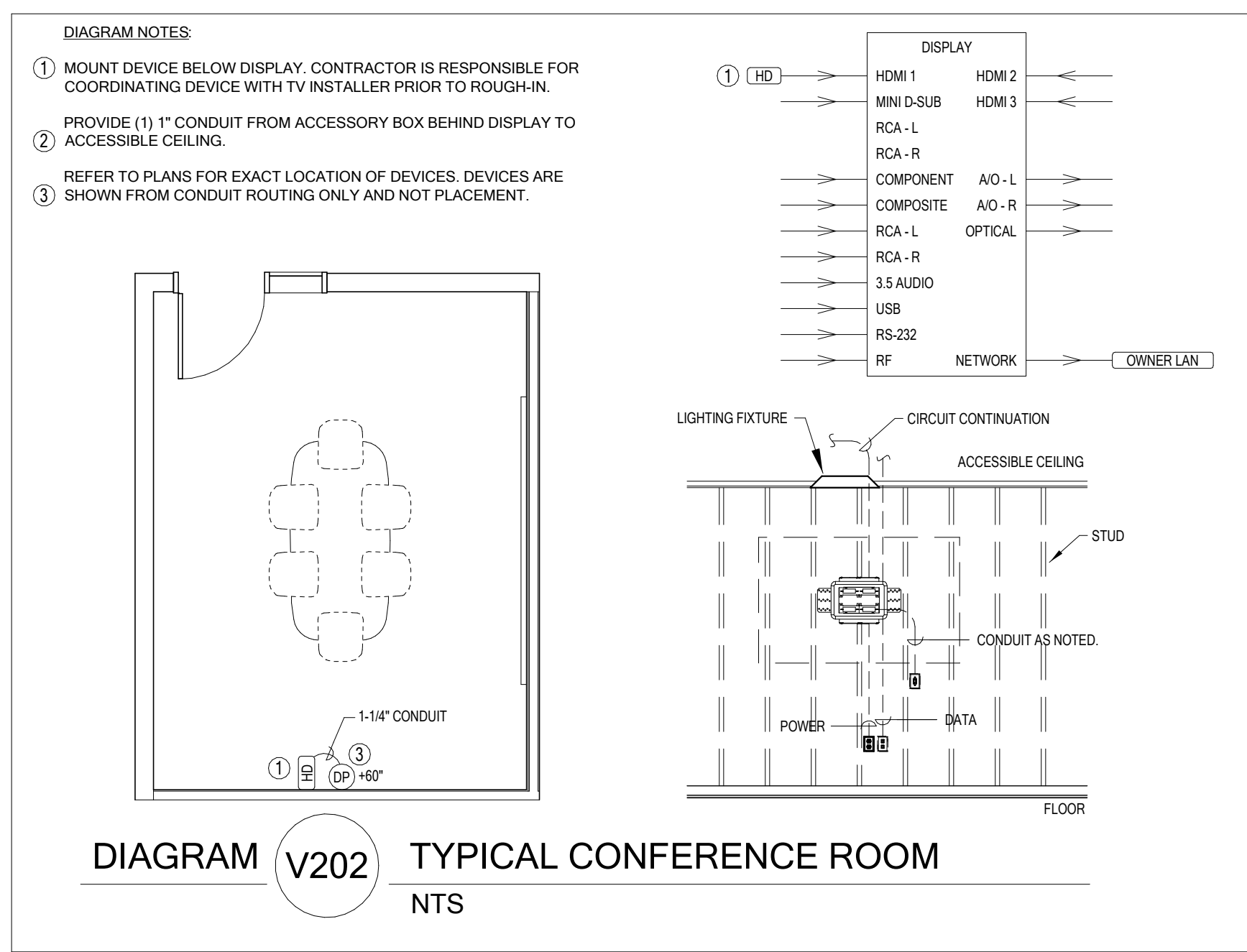
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| Rev. | Description | Date | Appr. |
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| File: | |
| Scale: | 1/2" = 1'-0" |
| Project Number: | |
| Project Number: | |

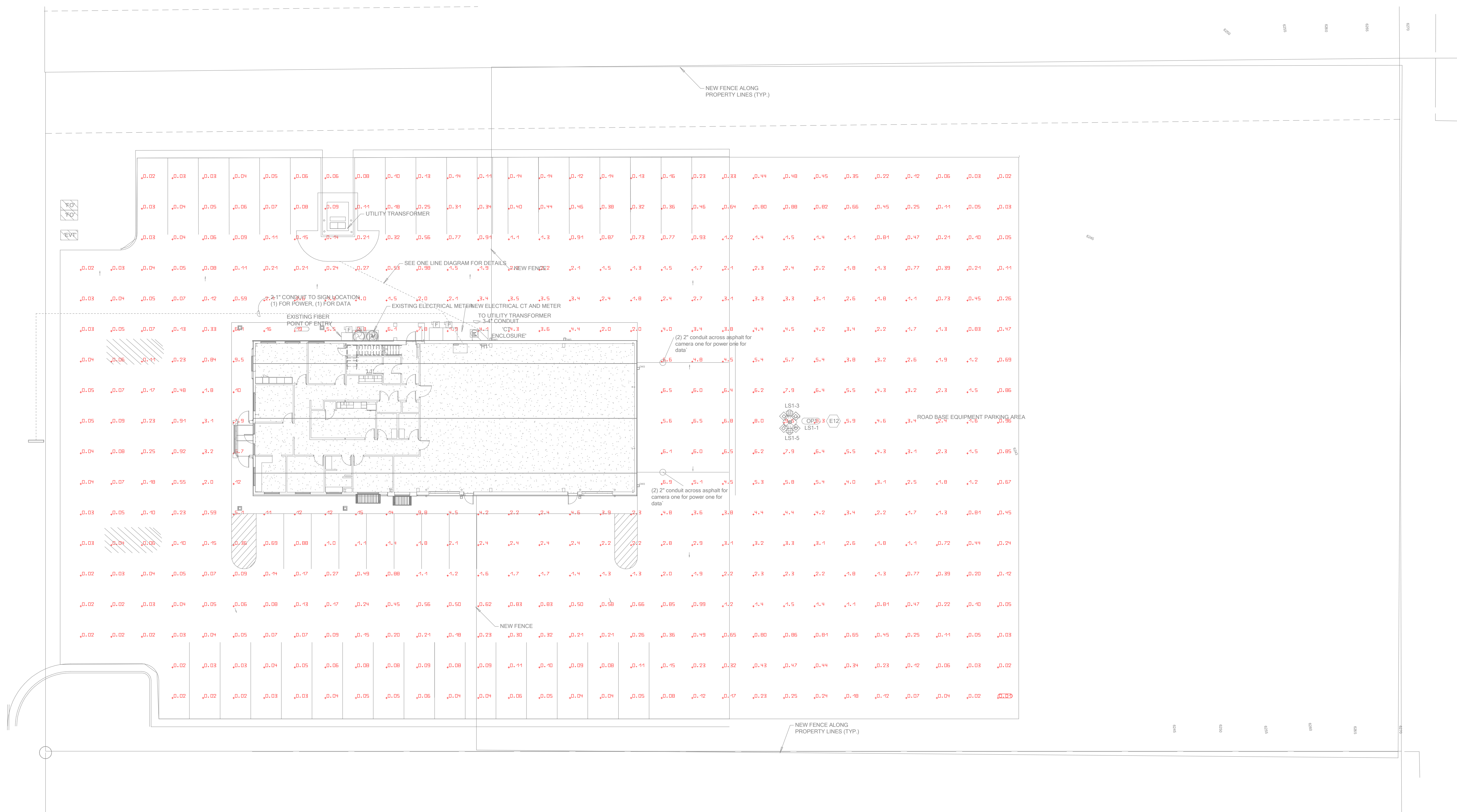
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| Reviewed by: | |
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| Submitted by: | |
| Approver: | |



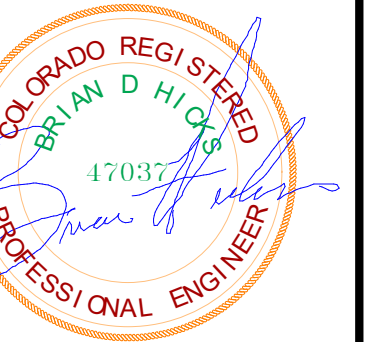
RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

TYPICAL DETAILS

| Fixture Schedule | | | | | | |
|------------------|---------------------------|-------------------------------|---------------|--------------------|----------------|----------|
| Index | Manufacturer | Item number | Luminous flux | Maintenance factor | Connected load | Quantity |
| OW3 | Rayon | T631LED-40W-UNV-40K-T4-BZ-CEM | 4278 lm | 0.90 | 40.2 W | 6 |
| AL5 | NLS | VSS-S-T5-32L-1-40K-UNV | 12300 lm | 0.90 | 106 W | 4 |
| Name | Parameter | Min | Max | Average | Mean/Min | Max/Min |
| Site | Perpendicular illuminance | 0.011 fc | 19.0 fc | 1.70 fc | 150.4 | 1675 |



PHOTOMETRIC PLAN
SCALE = 1/16" = 1'-0"



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| Submitted: | 02/05/2024 |
| File: | |
| Scale: | 1/16" = 1'-0" |
| Project Number: | |
| Project Number: | |

Designed by: **RCH Valley**
 Designer: **Real Color Holdings, LLC**
 Drawn by: **875 Valley St**
 Author: **Colorado Springs, CO**
 Reviewed by: **80915**
 Checker: **SITE PHOTOMETRIC**
 Submitted by:
 Approver:

SHEET NUMBER
E103

1

2

3

4

5

DEMOLITION GENERAL NOTES

- 1. ALL ELECTRICAL IN LEVEL 1 AND LEVEL 2 TO BE COMPLETELY REMOVED, WITH EXCEPTION OF NOTE 2.
- 2. PROTECT EXISTING UTILITY FEED FOR COMMUNICATIONS. ROUTE TO NEW DEMARCATION LOCATION.



DEMOLITION SHEET INDEX

| | |
|-------|------------------------------|
| ED100 | FIRST FLOOR DEMOLITION PLAN |
| ED101 | SECOND FLOOR DEMOLITION PLAN |

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| REV. | Date | Description |
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| Submitted by: | Submitted: | REV: |
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| Designer | 02/05/2024 | |
| Drawn by: | File: | |
| Author | Scale: | |
| Reviewed by: | Project Number: | |
| Checker | Project Number | |
| Submitted by: | | |
| Approver | | |

RCH Valley
Real Color Holdings, LLC
 875 Valley St
 Colorado Springs, CO
 80915

DEMOLITION SYMBOLS AND NOTES

SHEET NUMBER
ED001

D

C

B

A

D

C

B

A

DEMOLITION GENERAL NOTES

1. ALL ELECTRICAL IN LEVEL 1 AND LEVEL 2 TO BE COMPLETELY REMOVED, WITH EXCEPTION OF NOTE 2.
2. PROTECT EXISTING UTILITY FEED FOR COMMUNICATIONS, ROUTE TO NEW DEMARCATION LOCATION.



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| REV. | DESCRIPTION | DATE |
|------|-------------|------------|
| 1 | Revision 1 | 06/01/2023 |

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|---------------|-----------------|-----------------|------------|
| Designed by: | 02/05/2024 | REV: | 1 |
| Drawn by: | File: | Submitted: | 02/05/2024 |
| Author: | Scale: | Project Number: | |
| Checked by: | 1/4" = 1'-0" | Project Number: | |
| Submitted by: | Project Number: | Project Number: | |
| Approver: | Project Number: | Project Number: | |

RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

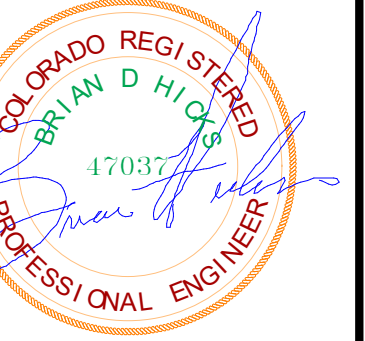
FIRST FLOOR DEMOLITION PLAN

SHEET NUMBER
ED100

FIRST FLOOR POWER PLAN
DEMOLITION PLAN
SCALE = 1/4" = 1'-0"

DEMOLITION GENERAL NOTES

1. ALL ELECTRICAL IN LEVEL 1 AND LEVEL 2 TO BE COMPLETELY REMOVED, WITH EXCEPTION OF NOTE 2.
2. PROTECT EXISTING UTILITY FEED FOR COMMUNICATIONS, ROUTE TO NEW DEMARCATION LOCATION.



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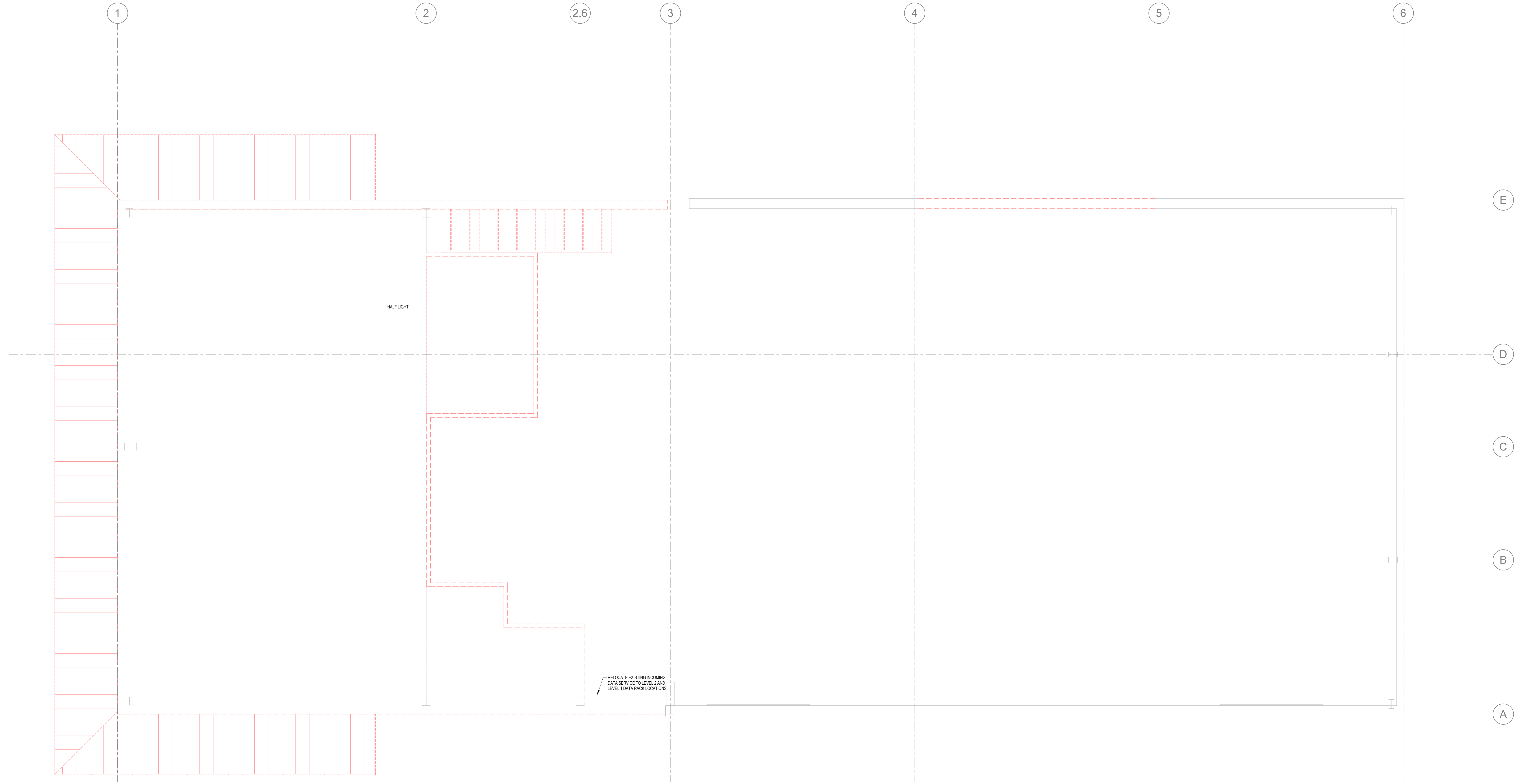
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| Designer: | 02/05/2024 | |
| Drawn by: | File: | |
| Author: | | |
| Reviewed by: | Scale: | 1/4" = 1'-0" |
| Checker: | Project Number: | |
| Submitted by: | Project Number: | |
| Approver: | | |

RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

SECOND FLOOR DEMOLITION PLAN

SHEET NUMBER
ED101



SECOND FLOOR DEMOLITION PLAN
SCALE = 1/4" = 1'-0"

SHEET KEYNOTES

E3 GENERATOR INSTALLATION SHALL COMPLY WITH THE PROVISIONS REQUIRED IN NEC, INCLUDING SECTIONS 705 AND 445.
 E13 (2) 2" CONDUIT 36" DEEP ACROSS ASPHALT, AND STUB 10" INTO GRAVEL PARKING. SEAL CONDUIT (1) FOR POWER AND (1) FOR DATA. TURN CONDUIT UP AT BUILDING FACE, AND EXTEND INTO BUILDING WITH LB CONDUIT BODY 24" ABOVE FINISHED GRADE.



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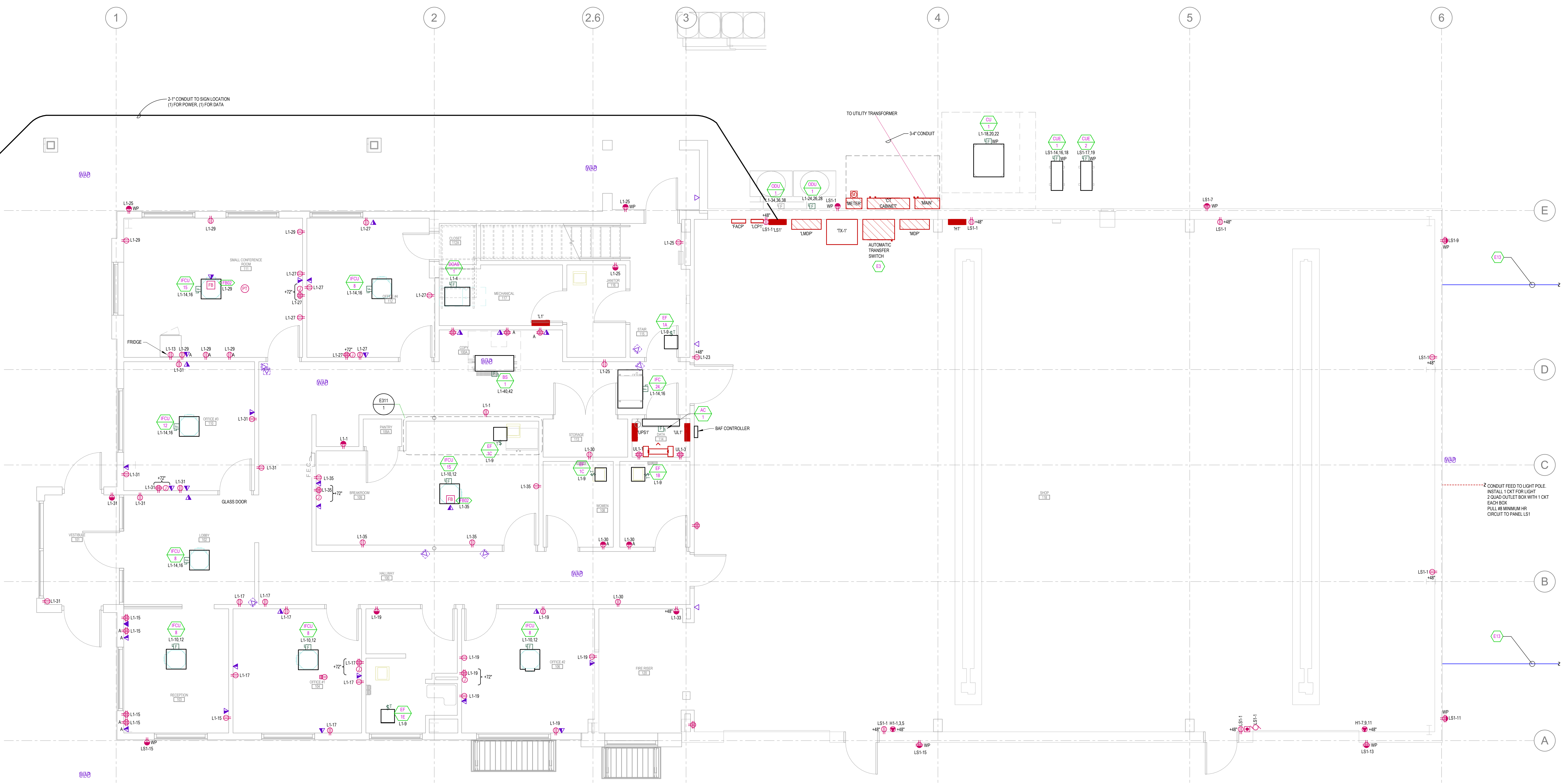
| Rev | Description | Date |
|-----|-------------------------|------------|
| 1 | ENGINEERING CORRECTIONS | 11/14/2023 |
| 4 | Revision 1 | 06/01/2024 |

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|---------------|-----------------|--------|
| Submitted by: | 02/05/2024 | REV: 4 |
| Designed by: | | |
| Drawn by: | | |
| Author: | | |
| Reviewed by: | As indicated | |
| Checker: | | |
| Submitted by: | Project Number: | |
| Approver: | Project Number: | |

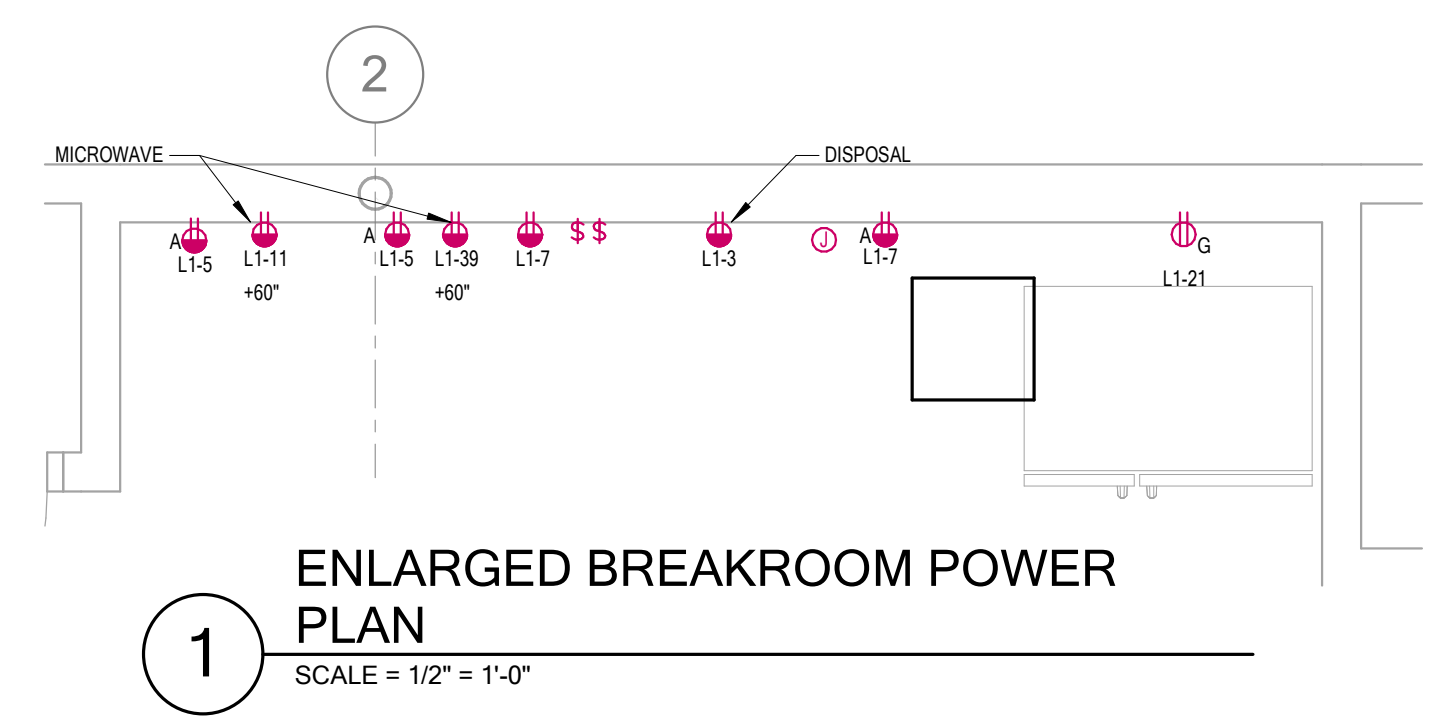
RCH Valley
 Real Color Holdings, LLC
 875 Valley St
 Colorado Springs, CO
 80915

FIRST FLOOR POWER PLAN

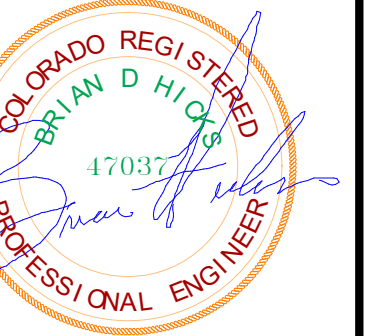
SHEET NUMBER
E311



FIRST FLOOR POWER PLAN
 SCALE = 1/4" = 1'-0"



ENLARGED BREAKROOM POWER PLAN
 SCALE = 1/2" = 1'-0"



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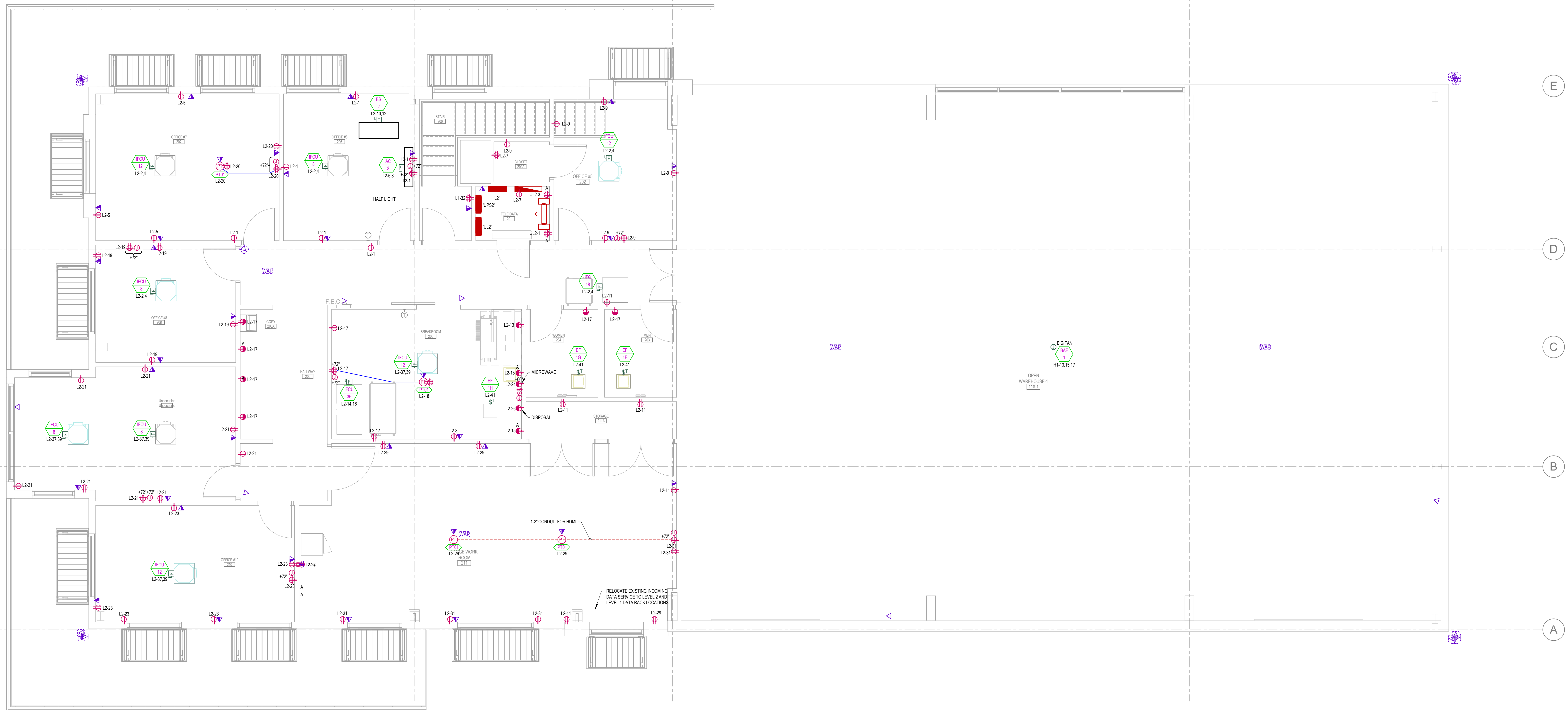
| REV. | Date | Description |
|------|------------|-------------|
| 1 | 06/01/2023 | Revision 1 |

| | | | |
|---------------|------------|-----------------|--------------|
| Submitted: | 02/05/2024 | REV: | 1 |
| Designed by: | | File: | |
| Drawn by: | | Scale: | 1/4" = 1'-0" |
| Author: | | Project Number: | |
| Reviewed by: | | Project Number: | |
| Checked by: | | Project Number: | |
| Submitted by: | | Project Number: | |
| Approver: | | Project Number: | |

RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

SECOND FLOOR POWER PLAN

SHEET NUMBER
E312



SECOND FLOOR POWER PLAN
SCALE = 1/4" = 1'-0"

CONTROL RELAY SCHEDULE

Panel Name: LCP1
Location: OPEN WAREHOUSE-2 118-2
Mounting: Surface
Nema Type: Type 1
Transformer Voltage:
Control Circuit:
AIC Rating: 10,000

Table with 5 columns: Relay #, Description, Panel Circuit, Control Switch, Dimming Type, Programming. Lists relays for exterior wall packs, can lights, pole lights, and monument sign.

NOTES:
* PROVIDE 5mA GFCI CIRCUIT BREAKER
** PROVIDE ARC-FAULT CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: L2 TYPE: Type 1 VOLTS: 120/208 Y PHASE: 3 WIRES: 4
MOUNTING: SURFACE LOCATION: TELE DATA 201 MAINS: MLO
BUSSING: FED FROM: LMDP AMP: 225 A

Table with columns for ITEM, AMPS, POLE, WIRE SIZE, CIR. NO., and A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Lists various electrical loads like receptacles, breakers, and fans.

NOTES:
* PROVIDE 5mA GFCI CIRCUIT BREAKER
** PROVIDE ARC-FAULT CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: L1 TYPE: Type 1 VOLTS: 120/208 Y PHASE: 3 WIRES: 4
MOUNTING: SURFACE LOCATION: MECHANICAL 117 MAINS: MLO
BUSSING: FED FROM: LMDP AMP: 225 A

Table with columns for ITEM, AMPS, POLE, WIRE SIZE, CIR. NO., and A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Lists various electrical loads like hallways, breakrooms, and lighting.

NOTES:
* PROVIDE 5mA GFCI CIRCUIT BREAKER
** PROVIDE ARC-FAULT CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: LS1 TYPE: Type 1 VOLTS: 120/208 Y PHASE: 3 WIRES: 4
MOUNTING: SURFACE LOCATION: OPEN WAREHOUSE-2 118-2 MAINS: MLO
BUSSING: FED FROM: LMDP AMP: 225 A

Table with columns for ITEM, AMPS, POLE, WIRE SIZE, CIR. NO., and A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Lists various electrical loads like lighting, receptacles, and condensing units.

NOTES:
* PROVIDE 5mA GFCI CIRCUIT BREAKER
** PROVIDE ARC-FAULT CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: UL1 TYPE: Type 1 VOLTS: 120/208 PHASE: 1 WIRES: 3
MOUNTING: SURFACE LOCATION: DATA 114 MAINS: MLO
BUSSING: FED FROM: UPS1 AMP: 100 A

Table with columns for ITEM, AMPS, POLE, WIRE SIZE, CIR. NO., and A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Lists various electrical loads like receptacles and lighting.

NOTES:
* PROVIDE 5mA GFCI CIRCUIT BREAKER
** PROVIDE ARC-FAULT CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: H1 TYPE: Type 1 VOLTS: 480/277 Y PHASE: 3 WIRES: 4
MOUNTING: SURFACE LOCATION: OPEN WAREHOUSE-2 118-2 MAINS: MLO
BUSSING: FED FROM: MDP AMP: 225 A

Table with columns for ITEM, AMPS, POLE, WIRE SIZE, CIR. NO., and A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Lists various electrical loads like welders, fans, and lighting.

NOTES:
* PROVIDE 5mA GFCI CIRCUIT BREAKER
** PROVIDE ARC-FAULT CIRCUIT BREAKER

SWITCHBOARD SCHEDULE

Switchboard: MDP
LOCATION: OPEN WAREHOUSE-2 118-2 VOLTS: 480/277 Y (RATED FOR 480/277) AIC RATING: 18000 A
SUPPLY FROM: TX-1 PHASE: 3 MAINS TYPE: MLO
MOUNTING: SURFACE DOOR-IN-DOOR MAINS RATING: 800 A
ENCLOSURE: 200% NEUTRAL
BUSSING: SPD: X

Table with columns for CKT, CIRCUIT DESCRIPTION, # OF POLES, AMP RATING, A, B, C, REMARKS. Lists various circuit descriptions and their ratings.

Table with columns for LOAD CLASSIFICATION, LOAD, FACTOR, DEMAND, and Panel Totals. Summarizes total load and current.

NOTES:
SCA AT PANEL SCR RATING 29847 A
AIC RATING 35000 A

PANELBOARD SCHEDULE

PANEL: UL2 TYPE: Type 1 VOLTS: 120/208 PHASE: 1 WIRES: 3
MOUNTING: SURFACE LOCATION: TELE DATA 201 MAINS: MLO
BUSSING: FED FROM: UPS2 AMP: 100 A

Table with columns for ITEM, AMPS, POLE, WIRE SIZE, CIR. NO., and A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Lists various electrical loads like receptacles and lighting.

NOTES:
* PROVIDE 5mA GFCI CIRCUIT BREAKER
** PROVIDE ARC-FAULT CIRCUIT BREAKER

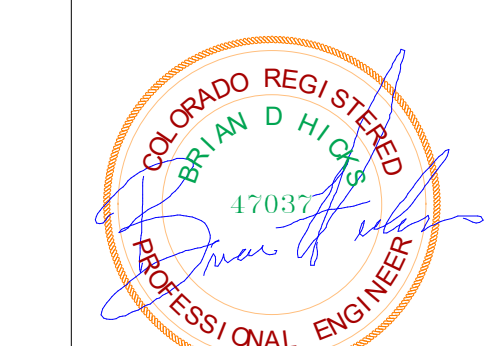
SWITCHBOARD SCHEDULE

Switchboard: LMDP
LOCATION: OPEN WAREHOUSE-2 118-2 VOLTS: 120/208 Y AIC RATING: 18000 A
SUPPLY FROM: TX-1 PHASE: 3 MAINS TYPE: MLO
MOUNTING: SURFACE DOOR-IN-DOOR MAINS RATING: 1000 A
ENCLOSURE: 200% NEUTRAL
BUSSING: SPD:

Table with columns for CKT, CIRCUIT DESCRIPTION, # OF POLES, AMP RATING, A, B, C, REMARKS. Lists various circuit descriptions and their ratings.

Table with columns for LOAD CLASSIFICATION, LOAD, FACTOR, DEMAND, and Panel Totals. Summarizes total load and current.

NOTES:
SCA AT PANEL SCR RATING 10070 A
AIC RATING 22,000 A



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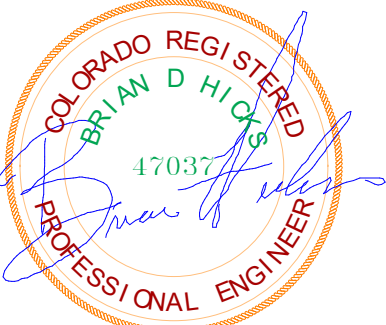
Table with columns for Date, Description, and other project details. Includes dates for design and revision.

Table with columns for Designer, Author, Checker, and Approver. Lists names and roles of project team members.

Table with columns for Project Number, Project Name, and other details. Lists project identification information.

RCH Valley
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875 Valley St
Colorado Springs, CO
80915

POWER SCHEDULES



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EQUIPMENT SCHEDULE

CONNECTION TYPE NOTES:
 1. NON-FUSED DISCONNECT SWITCH
 2. FUSED DISCONNECT SWITCH
 3. BREAKER IN ENCLOSURE
 4. MANUAL STARTER WITH THERMAL OVERLOAD
 5. MAGNETIC STARTER
 6. MAGNETIC STARTER/NON-FUSED DISCONNECT COMBINATION
 7. MAGNETIC STARTER/FUSED DISCONNECT COMBINATION
 8. MAGNETIC STARTER/BREAKER COMBINATION
 9. VARIABLE FREQUENCY DRIVE
 10. REDUCED VOLTAGE STARTER
 11. DIRECT CONNECTION
 12. RECEPTACLE/SPECIAL PURPOSE OUTLET/ETC.
 13. TWO SPEED STARTER, COORDINATE WITH MOTOR TYPE
 14. SOLID STATE SOFT-STARTER

RESPONSIBILITY LEGEND:
 A. FURNISHED, INSTALLED AND CONNECTED UNDER DIVISION 26(16)
 B. FURNISHED AND INSTALLED UNDER ANOTHER DIVISION, REQUIRED CONNECTION UNDER DIVISION 26(16)
 C. FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIVISION 26(16)
 D. FURNISHED, INSTALLED AND CONNECTED UNDER ANOTHER DIVISION
 CB = CIRCUIT BREAKER

NOTE 1: PER 200.122(A) EQUIPMENT GROUND IS NOT REQUIRED TO BE LARGER THAN THE PHASE CONDUCTOR
 NOTE 2: OVERCURRENT PROTECTION DEVICE (OCPD) SHOWN IS LOCATED AT POWER PANEL ALL FUSING TO BE SIZED IN ACCORDANCE WITH FUSE MFR RECOMMENDATION FOR MOTOR NAME PLATE RATINGS
 NOTE 3: ALL EQUIPMENT TO BE RATED FOR THE ENVIRONMENT FOR WHICH IT IS INSTALLED.

| UNIT # | DESCRIPTION | ELECTRICAL EQUIPMENT INFORMATION | | | | | | WIRE | | | | OCPD | | STARTER/DISC/VFD OTHER (SEE NOTES) | REMARKS | |
|---------|------------------|----------------------------------|-------|-------|------|---------|-------|----------------|--------------|------|-----|------|------------|------------------------------------|---------|------|
| | | HP | FLA | MCA | VA | VOLTAGE | PHASE | FULL LOAD AMPS | CONDUIT SIZE | SETS | QTY | SIZE | EQ. GROUND | | | TYPE |
| AC 1 | SPLIT UNIT | 0.00 | 0 A | 1 A | 0 VA | 208 V | 1 | 0.8 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| AC 2 | SPLIT UNIT | 0.00 | 0 A | 1 A | 0 VA | 208 V | 1 | 0.8 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| BAF 1 | FAN | 2.00 | 0 A | 0 A | 0 VA | 480 V | 3 | 3.4 A | 3/4" | 1 | 3 | 12 | 12 | CB | 15 A | |
| BS 1 | BRANCH SELECTOR | 0.00 | 0 A | 1.6 A | 0 VA | 208 V | 1 | 1.3 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| BS 2 | BRANCH SELECTOR | 0.00 | 0 A | 1.6 A | 0 VA | 208 V | 1 | 1.3 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| CU 1 | CONDENSING UNIT | 0.00 | 0 A | 20 A | 0 VA | 208 V | 3 | 16.0 A | 3/4" | 1 | 3 | 12 | 12 | CB | 25 A | |
| CUE 1 | CONDENSING UNIT | 0.00 | 0 A | 19 A | 0 VA | 208 V | 3 | 15.2 A | 3/4" | 1 | 3 | 12 | 12 | CB | 25 A | |
| CUE 1 | CONDENSING UNIT | 0.00 | 0 A | 19 A | 0 VA | 208 V | 3 | 15.2 A | 3/4" | 1 | 3 | 12 | 12 | CB | 25 A | |
| CUE 2 | CONDENSING UNIT | 0.00 | 0 A | 19 A | 0 VA | 208 V | 1 | 15.2 A | 3/4" | 1 | 2 | 12 | 12 | CB | 25 A | |
| DDAS 1 | FURNACE SCHEDULE | 0.00 | 11 A | 0 A | 0 VA | 120 V | 1 | 11.6 A | 3/4" | 1 | 2 | 12 | 12 | CB | 20 A | |
| EF 1A | EXHAUST FAN | 0.00 | 0.2 A | 0 A | 0 VA | 120 V | 1 | 0.2 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| EF 1B | EXHAUST FAN | 0.00 | 0.2 A | 0 A | 0 VA | 120 V | 1 | 0.2 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| EF 1C | EXHAUST FAN | 0.00 | 0.2 A | 0 A | 0 VA | 120 V | 1 | 0.2 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| EF 1D | EXHAUST FAN | 0.00 | 0.2 A | 0 A | 0 VA | 120 V | 1 | 0.2 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| EF 1E | EXHAUST FAN | 0.00 | 0.2 A | 0 A | 0 VA | 120 V | 1 | 0.2 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| EF 1F | EXHAUST FAN | 0.00 | 0.2 A | 0 A | 0 VA | 120 V | 1 | 0.2 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| EF 1G | EXHAUST FAN | 0.00 | 0.2 A | 0 A | 0 VA | 120 V | 1 | 0.2 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| EF 1H | EXHAUST FAN | 0.00 | 0.2 A | 0 A | 0 VA | 120 V | 1 | 0.2 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| IFC 18 | INDOOR UNIT | 0.00 | 0 A | 0.9 A | 0 VA | 208 V | 1 | 2.4 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| IFC 24 | INDOOR UNIT | 0.00 | 0 A | 2.7 A | 0 VA | 208 V | 1 | 2.2 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| IFCU 8 | INDOOR UNIT | 0.00 | 0 A | 0.3 A | 0 VA | 208 V | 1 | 0.2 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| IFCU 8 | INDOOR UNIT | 0.00 | 0 A | 0.3 A | 0 VA | 208 V | 1 | 0.2 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| IFCU 8 | INDOOR UNIT | 0.00 | 0 A | 0.3 A | 0 VA | 208 V | 1 | 0.2 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| IFCU 8 | INDOOR UNIT | 0.00 | 0 A | 0.3 A | 0 VA | 208 V | 1 | 0.2 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| IFCU 8 | INDOOR UNIT | 0.00 | 0 A | 0.3 A | 0 VA | 208 V | 1 | 0.2 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| IFCU 8 | INDOOR UNIT | 0.00 | 0 A | 0.3 A | 0 VA | 208 V | 1 | 0.2 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| IFCU 8 | INDOOR UNIT | 0.00 | 0 A | 0.3 A | 0 VA | 208 V | 1 | 0.2 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| IFCU 8 | INDOOR UNIT | 0.00 | 0 A | 0.3 A | 0 VA | 208 V | 1 | 0.2 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| IFCU 8 | INDOOR UNIT | 0.00 | 0 A | 0.3 A | 0 VA | 208 V | 1 | 0.2 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| IFCU 12 | INDOOR UNIT | 0.00 | 0 A | 0.4 A | 0 VA | 208 V | 1 | 0.3 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| IFCU 12 | INDOOR UNIT | 0.00 | 0 A | 0.4 A | 0 VA | 208 V | 1 | 0.3 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| IFCU 12 | INDOOR UNIT | 0.00 | 0 A | 0.4 A | 0 VA | 208 V | 1 | 0.3 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| IFCU 12 | INDOOR UNIT | 0.00 | 0 A | 0.4 A | 0 VA | 208 V | 1 | 0.3 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| IFCU 15 | INDOOR UNIT | 0.00 | 0 A | 0.4 A | 0 VA | 208 V | 1 | 0.3 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| IFCU 15 | INDOOR UNIT | 0.00 | 0 A | 0.4 A | 0 VA | 208 V | 1 | 0.3 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| IFCU 36 | INDOOR UNIT | 0.00 | 0 A | 3.6 A | 0 VA | 208 V | 1 | 2.8 A | 3/4" | 1 | 2 | 12 | 12 | CB | 15 A | |
| ODU 1 | OUTDOOR UNIT | 0.00 | 0 A | 44 A | 0 VA | 208 V | 3 | 35.2 A | 3/4" | 1 | 3 | 6 | 8 | CB | 60 A | |
| ODU 1 | OUTDOOR UNIT | 0.00 | 0 A | 44 A | 0 VA | 208 V | 3 | 35.2 A | 3/4" | 1 | 3 | 6 | 8 | CB | 60 A | |

| Rev | Description | Date |
|-----|-------------------------|------------|
| 1 | ENGINEERING CORRECTIONS | 11/14/2023 |
| 2 | LOAD SHEET UPDATE | 07/13/2023 |
| 4 | | |

| | |
|---------------|------------|
| REV: | 4 |
| Submitted: | 02/05/2024 |
| Designed by: | |
| Designer: | |
| Drawn by: | |
| Author: | |
| Reviewed by: | |
| Checker: | |
| Submitted by: | |
| Approver: | |

RCH Valley
Real Color Holdings, LLC
 875 Valley St
 Colorado Springs, CO
 80915

PANEL BOARD SCHEDULE

SHEET NUMBER
E371

LIGHT FIXTURE SCHEDULE

| LIGHT FIXTURE ABBREVIATION SCHEDULE | | PROJECT MANAGER: JAY BEHUNIN | |
|-------------------------------------|---|------------------------------|---|
| A.F.F. | ABOVE FINISH FLOOR | CSL | STANDARD PAINTED COLOR AS SELECTED BY THE ARCHITECT |
| WALL@CLG | WALL MOUNT AT CORNER OF WALL AND CEILING | CSBA | CUSTOM FINISH AS SELECTED BY THE ARCHITECT |
| CCBA | CUSTOM PAINTED COLOR AS SELECTED BY THE ARCHITECT | SFBA | STANDARD FINISH AS SELECTED BY THE ARCHITECT |

| LIGHT FIXTURE GENERAL NOTES | |
|-----------------------------|---|
| 1. | REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF LIGHT FIXTURES AND, CONFIRM CEILING TYPES WITH LIGHT FIXTURE TRIMS. BRING ALL DISCREPANCIES OF LOCATIONS AND QUANTITIES TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO BIDDING. |
| 2. | REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS AND LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING. |
| 3. | REFER TO THE SPECIFICATIONS FOR OTHER LIGHT FIXTURE, FUSING, LED DRIVERS, AND LAMP REQUIREMENTS AND ACCEPTABLE MANUFACTURERS. |
| 4. | CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL LIGHT FIXTURES AND COMPARE WITH DEPTHS SHOWN ON SHOP DRAWINGS. BRING ALL POTENTIAL CONFLICT AREAS TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO RELEASE. |
| 5. | REFER TO LIGHTING PLANS FOR ALL LINEAR FIXTURE LENGTHS. THE CATALOG NUMBER IS BASED ON THE FIXTURE SPECIFIED AND MAY NOT REFLECT THE QUANTITY OR OVERALL LENGTH OF LINEAR FIXTURES REQUIRED. CONTRACTOR TO NOTE THAT VARIOUS FIXTURE LENGTHS MAY BE REQUIRED TO ACHIEVE THE OVERALL RUN LENGTH. |
| 6. | REFER TO LIGHTING PLANS FOR ALL UNDERCABINET FIXTURE LENGTHS. THE CATALOG NUMBER IS BASED ON THE FIXTURE SPECIFIED AND MAY NOT REFLECT THE QUANTITY OR OVERALL LENGTH OF THE UNDERCABINET FIXTURES REQUIRED. CONTRACTOR TO NOTE THAT VARIOUS FIXTURE LENGTHS MAY BE REQUIRED TO ACHIEVE THE OVERALL RUN LENGTH OR TO FIT WITHIN THE MILLWORK. COORDINATE FIXTURE LAYOUT WITH MILLWORK SHOP DRAWINGS PRIOR TO LIGHTING SUBMITTALS. |
| 7. | WHEN A CONTRADICTION EXISTS BETWEEN A SPECIFIC MODEL NUMBER AND THE DESCRIPTION, NOTIFY THE ELECTRICAL ENGINEER AND/OR LIGHTING DESIGNER. |
| 8. | PRIOR APPROVALS ARE REQUIRED BEFORE BIDDING THE PROJECT AND SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER'S OFFICE AT LEAST (8) EIGHT WORKING DAYS BEFORE THE BID. PRIOR APPROVALS RECEIVED AFTER THIS TIME PERIOD SHALL BE... |
| 9. | REFER TO SPECIFICATIONS 20 0500, 26 5100 & 26 5600 (16001, 16510 & 16551). |
| 10. | 120 |

| TYPE | DESCRIPTION | MFR. | CATALOG # | VOLTS | TOTAL WATTS | LAMP TYPE | DELIVERED LUMENS | COLOR TEMP | CRI |
|------|--|-------------|-----------------------------------|-------|-------------|-----------|------------------|------------|-----|
| D1 | 6" LED DOWN LIGHT AT 4000K WITH GIMBAL SOCKET | CSL | ED35-NIC-35-90-80-1SS | 120 V | 15.0 VA | LED | 1,500 | 4000 K | 80 |
| D2 | 6" LED DOWN LIGHT AT 4000K | CSL | ED35-NIC-35-90-80-1SS | 120 V | 15.0 VA | LED | 1,500 | 4000 K | 80 |
| D2E | 6" LED DOWN LIGHT AT 4000K WITH BAT BACKUP | CSL | ED35-NIC-35-90-80-1SS | 120 V | 15.0 VA | LED | 1,500 | 4000 K | 80 |
| D3 | HALO 2" WAFER LIGHT 4000K. INSTALL IN 4" SQUARE TUBE | COOPERHALO | TMB3 | 120 V | 6.8 VA | LED | 500 | 4000 K | 80 |
| D4 | 6" LED DOWN LIGHT AT 4000K WITH ADJUSTABLE LIGHT TRIM | CSL | ED35-NIC-35-90-80-1SS | 120 V | 14.1 VA | LED | 1,500 | 4000 K | 80 |
| H81 | 2" x 4" HIGH BAY LED TROFFER WITH INTEGRATED OCC | COLUMBIA | PELA-840L-18-B-ED-UJ-ST-NOXHM | 120 V | 126.0 VA | LED | 18,000 | 3500 K | 80 |
| OP1 | LED OUTDOOR POLE WITH 4 WAY HEAD, POLE HEIGHT 30' | NLS | VSS-S-75-32-140K-UNV-PE7 | 277 V | 424.0 VA | LED | 12,300 | 4000 K | 80 |
| OW3 | WALL MOUNTED, LED SCIENCE | RAYON | T631LED-40W-UNV-40K-T4-BZ-PC1-CEM | 120 V | 40.0 VA | LED | 12,300 | 3500 K | 80 |
| OW5 | LED EGRESS LIGHT, BAT BACKUP, 6-10 W | RAYON | T250L-EDB-10-UNV-36-BZ-PC-CEM | 120 V | 10.0 VA | LED | 729 | 4000 K | 80 |
| T1 | 2" x 4" LED TROFFER | COLUMBIA | LCAT24-35MLG-EDU | 120 V | 36.0 VA | LED | 4,971 | 3500 K | 80 |
| T2 | 2" x 2" LED TROFFER | COLUMBIA | LCAT22-35MLG-EDU | 120 V | 25.8 VA | LED | 3,484 | 3500 K | 80 |
| T2E | 2" x 2" LED WITH BACKUP | COLUMBIA | LCAT22-35MLG-EDU-ELL14 | 120 V | 25.8 VA | LED | 3,494 | 3500 K | 80 |
| T3 | 4" LED STRIP LIGHT | COLUMBIA | CSL-44-SCS | 120 V | 30.5 VA | LED | 4,274 | 3500 K | 80 |
| T3E | 4" LED STRIP LIGHT WITH BACKUP | COLUMBIA | LCL4-35ML-EU | 120 V | 30.5 VA | LED | 4,274 | 3500 K | 80 |
| UC | 24" UNDER CABINET FIXTURE, LINE VOLTAGE DIMMABLE 30, 35, 40K COLOR SELECTABLE | CONTECHLITE | LPL45243000C-P | 120 V | 8.4 VA | LED | 5,000 | 3500 K | 80 |
| WB1 | SINGLE FACE GREEN LED EXIT SIGN, WHITE THERMOPLASTIC, UNIVERSAL MOUNTING, FIELD SELECTABLE CHEVRONS, UNIVERSAL FACES | WAC | WA-41125-3500K-8K | 120 V | 19.0 VA | LED | 640 | 3500 K | 80 |
| X1 | WALL MOUNTED, LED SCIENCE | COMPASS | CEG | 120 V | 5.0 VA | LED | | | |
| X2 | EXIT BUG EYE COMBO | COMPASS | CCG | 120 V | 5.0 VA | LED | | | |

LIGHTING SENSOR GENERAL NOTES

- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE SENSOR MANUFACTURER FOR PROPER PLACEMENT AND ADJUSTMENT OF OCCUPANCY SENSORS.
- EACH ZONE SHALL HAVE COVERAGE BY OCCUPANCY SENSOR SUCH THAT NO BLIND SPOT EXIST.
- UPON COMPLETION OF THE INSTALLATION, THE SYSTEM SHALL BE COMPLETELY COMMISSIONED BY THE MANUFACTURER'S FACTORY AUTHORIZED TECHNICIAN WHO WILL VERIFY ALL ADJUSTMENTS AND SENSOR PLACEMENT TO ENSURE A TROUBLE-FREE INSTALLATION.
- THE LOCATION AND QUANTITIES OF SENSORS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE ONLY THE ROOMS WHICH ARE TO BE PROVIDED WITH SENSORS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ADDITIONAL SENSORS AS REQUIRED TO PROPERLY COVER THE RESPECTIVE ROOM.
- PROVIDE DAYLIGHT ZONE CONTROL REQUIREMENTS PER IBC-2015 CODE 2.3.3. LOCATE DAYLIGHT SENSOR(S) PER MANUFACTURER'S RECOMMENDATION AND WHERE REQUIRED WITHIN THE ROOM FOR PROPER COVERAGE.
- PROVIDE OCCUPANCY SENSOR WITH AN ADDITIONAL SET OF DRY CONTACTS FOR HVAC CONTROL AT EACH VAV BOX LOCATION.

LIGHTING GENERAL SHEET NOTES

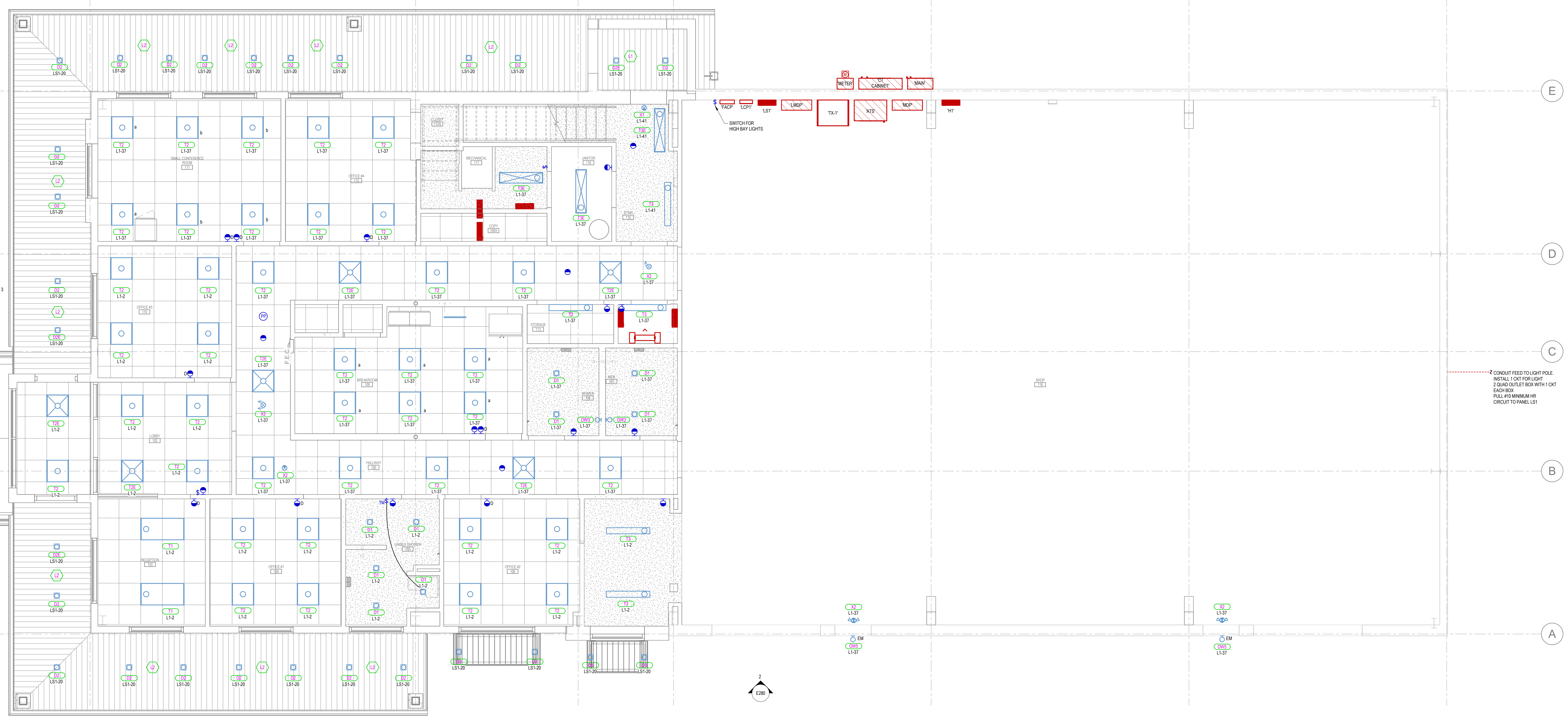
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ALL FIXTURE LOCATIONS WITHIN A CEILING OR CEILING GRID. FOR AREAS WITHOUT CEILING, FIXTURE LOCATIONS ARE DIAGRAMMATIC. THE INTENT IS TO ALIGN, CENTER, OR SPACE FIXTURES BETWEEN ARCHITECTURAL AND STRUCTURAL ELEMENTS. COORDINATE WITH PAINTING CONTRACTOR FOR PAINTING OF EXPOSED FACEWAY.
- FIELD VERIFY EXACT FIXTURE LENGTHS FOR CONTINUOUS ILLUMINATION FOR COVES AND LINEAR RUNS. PROVIDE CONTINUOUS ILLUMINATION WITH NO MORE THAN A 1" GAP BETWEEN THE END OF THE EDGE OF THE WALL / CEILING AND THE FIXTURE.
- ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR PLACEMENT OF FIXTURES WITHIN MECHANICAL ROOMS.
- ALL ROOM CONTROLLERS AND/OR POWER PACKS SHALL BE INSTALLED IN THE CEILING SPACE DIRECTLY ABOVE THE ENTRY DOOR TO THE SPACE IT IS CONTROLLING.
- ALL UNDERCABINET LIGHTS MUST BE COORDINATED WITH MILLWORK FOR EXACT LENGTHS. ALL UNDERCABINET LIGHTS SHALL BE COORDINATED WITH MILLWORK SHOP DRAWINGS.
- PROVIDE 0-10V DIMMING CONDUCTORS FOR ALL AREAS AND/OR ROOMS WHERE 0-10V DIMMING IS INDICATED BY THE RELAY PANEL SCHEDULE AND/OR WALL STATION CONTROL SEQUENCE.
- SUBSCRIPT ADJACENT TO LIGHT FIXTURE INDICATES CONTROLS. PROVIDE LIGHTING CONTROLS WITH THE REQUIRED NUMBER OF RELAYDIMMERS. PROVIDE ADDITIONAL RELAYDIMMERS FOR DAYLIGHT ZONES AS REQUIRED.

SHEET KEYNOTES

- EXTEND UNSWITCHED LINE TO THE EMERGENCY BATTERY BACKED UP FIXTURES.
- COORDINATE WITH OWNER FOR LIGHTING PLACEMENT. LIGHTS ON LOWER LEVEL ARE INTENDED TO ALIGN WITH THE LIGHTS IN THE UPPER SUN SHADES. OWNER TO PROVIDE SUNSHADES.



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FIRST FLOOR LIGHTING PLAN
 SCALE = 1/4" = 1'-0"

| Rev | Date | Description |
|-----|------------|-------------|
| 1 | 06/01/2023 | Aspt |

| | | |
|---------------|------------|--------|
| Submitted by: | 02/05/2024 | REV: 1 |
| Designer: | | |
| Drawn by: | | |
| Author: | | |
| Reviewed by: | | |
| Checker: | | |
| Submitted by: | | |
| Approver: | | |

RCH Valley
 Real Color Holdings, LLC
 875 Valley St
 Colorado Springs, CO
 80915
 FIRST FLOOR LIGHTING PLAN

SHEET KEYNOTES

L3 WIRING FOR D3 FIXTURES WILL BE BROUGHT TO A J-BOX ABOVE WINDOW. D3 FIXTURES WILL BE INSTALLED IN SUNSHADE MAIN SUPPORT TIRES, AND WILL BE PROVIDED BY OWNER. FIXTURE WHIP WILL ATTACH TO JUNCTION BOX PROVIDED FOR ILLUMINATION. COORDINATE LOCATION OF J-BOX WITH OWNER.



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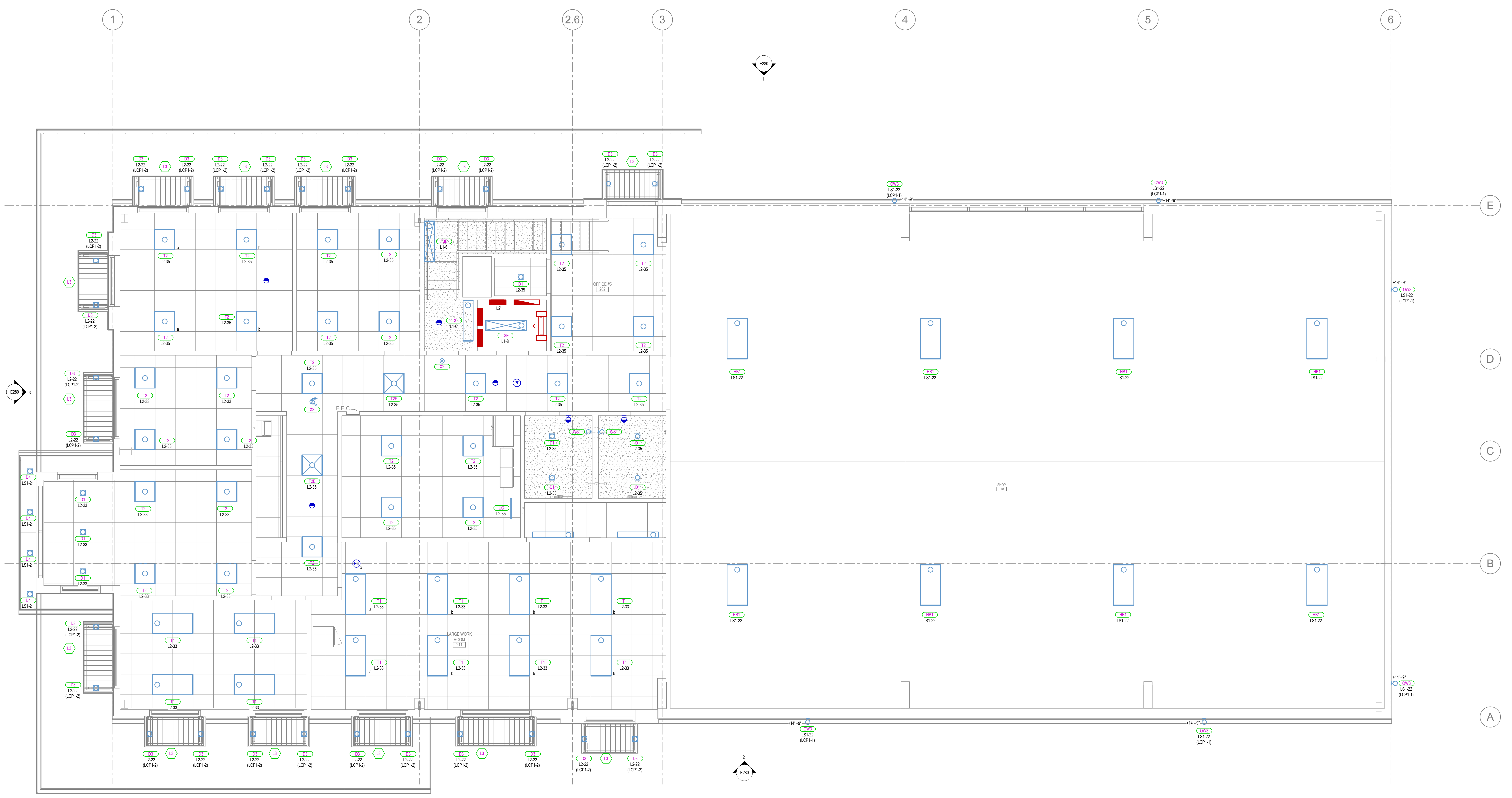
| REV. | Date | Description |
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| 1 | 06/01/2023 | Revision 1 |

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| Submitted: | 02/05/2024 | REV: | 1 |
| Designed by: | | Drawn by: | |
| Author: | | Reviewed by: | |
| Checker: | | Submitted by: | |
| Approver: | | Project Number: | |

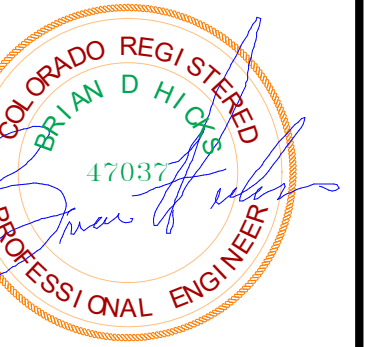
RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

SECOND FLOOR LIGHTING PLAN

SHEET NUMBER
E212



SECOND FLOOR LIGHTING PLAN
SCALE = 1/4" = 1'-0"



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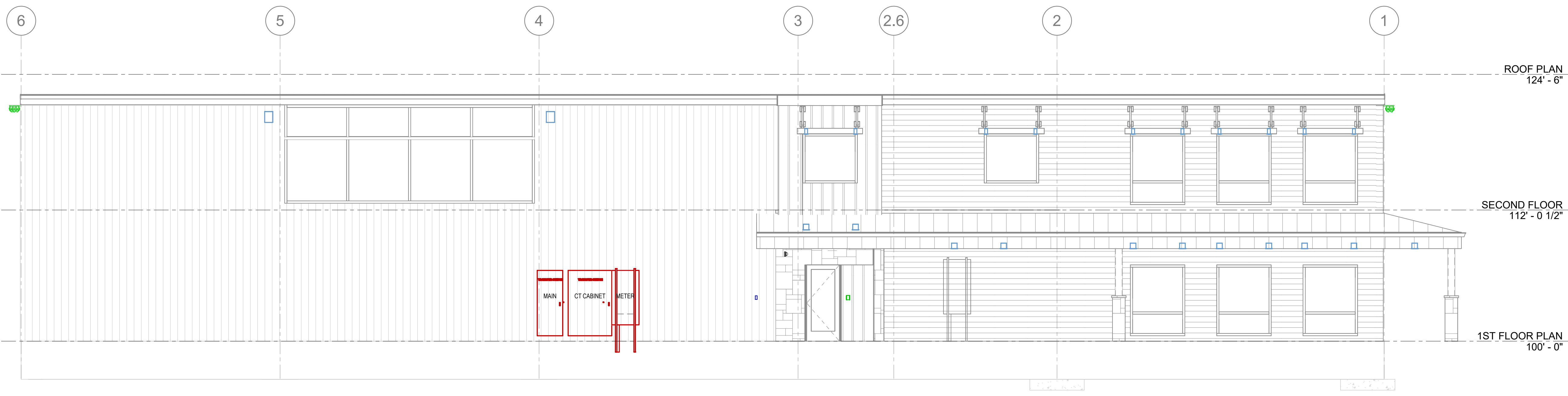
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| Designed by: | Submitted: | REV: |
| Designer: | 02/05/2024 | |
| Drawn by: | File: | |
| Author: | | |
| Reviewed by: | Scale: | |
| Checker: | 3/16" = 1'-0" | |
| Submitted by: | Project Number: | |
| Approver: | Project Number: | |

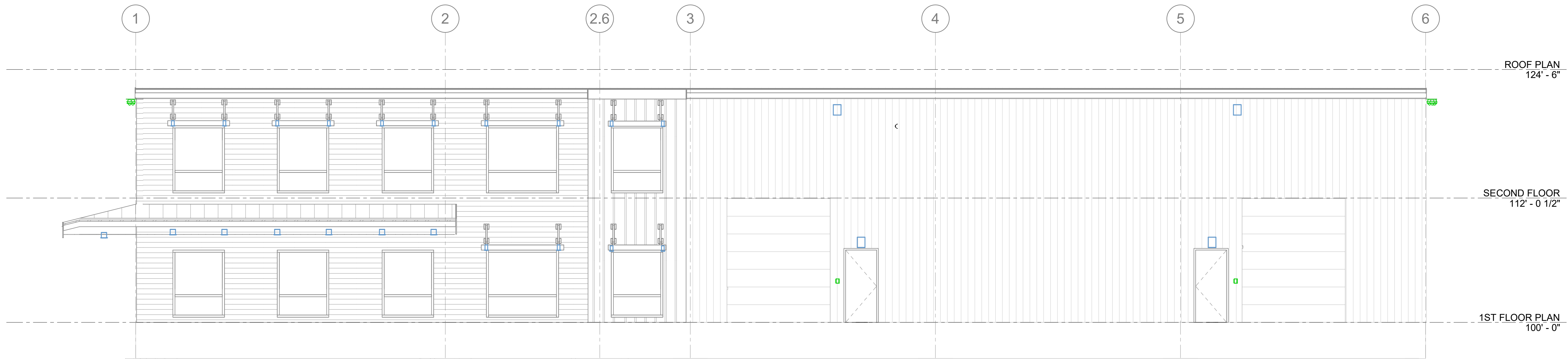
RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

LIGHTING ELEVATION

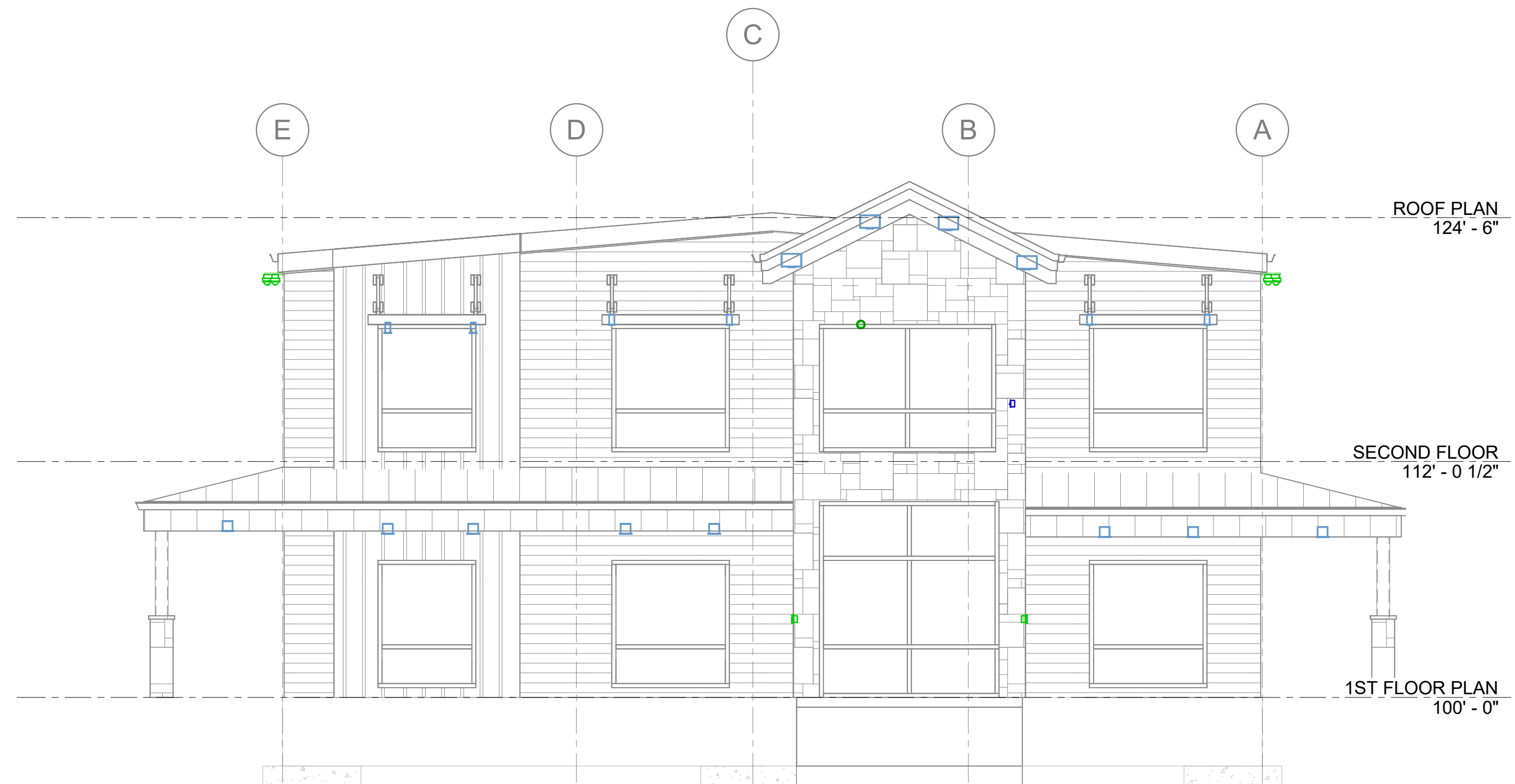
SHEET NUMBER
E280



1 ELEVATION A
SCALE = 3/16" = 1'-0"



2 ELEVATION B
SCALE = 3/16" = 1'-0"



3 ELEVATION C
SCALE = 3/16" = 1'-0"

SYMBOL SCHEDULE

NOTES:

- SEE FIXTURE SCHEDULE FOR TYPE, MOUNTING AND WATTAGE.
- HEIGHT MEASURED TO CENTER LINE OF THE BOX FROM THE FINISHED FLOOR.
- REFER TO DRAWINGS FOR DIRECTIONAL ARROWS.
- SUBSCRIPT INDICATES FIXTURES TO BE CONTROLLED.
- NEVA TYPE 'ND' NON-FUSED UNLESS NOTED 'F' (FUSED). USE 'HD' 48V.
- HEIGHT MEASURED TO TOP OF THE BOX FROM FINISHED FLOOR.
- PROVIDE 'H O A' AND 'S S' PUSHBUTTONS AS REQUIRED.
- DOUBLE ARROWS INDICATES A DOUBLE FRAC UNIT.
- DEVICES NOTED WITH AN 'A' INDICATE TO COORDINATE WITH MILLWORK SHOP DRAWINGS AND ELEVATIONS FOR HEIGHT.
- SUBSCRIPT INDICATES NEMA CONFIGURATION.
- SOLID BOX AROUND DEVICE INDICATES INSTALLED IN FLOOR. DASHED BOX AROUND DEVICE INDICATES INSTALLED IN CEILING.
- COORDINATE WITH DOOR HARDWARE SUPPLIER.
- FOR WATER COOLER LOCATION, SEE DIAGRAM R102. FOR ALL OTHER LOCATIONS, MOUNT AT +18" TO BOTTOM OF BOX FROM FINISHED FLOOR, OR AS NOTED.
- ARROWS SHOWN ON DEVICE INDICATE SENSOR AMING DIRECTION.
- CAMERA NUMBERS ARE SHOWN INSIDE THE CAMERA SYMBOL. CAMERA TYPES ARE INDICATED IN TAG.
- DOOR ON TRACK OF OVERHEAD DOOR. 'F' FROM TOP OF DOOR, UNLESS OVERHEAD DOOR IS A ROLL UP DOOR, THEN MOUNT PER MANUFACTURER'S INSTRUCTIONS.
- INSTALL DEVICES PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- DASHED LINE INDICATES EQUIPMENT CLEARANCES. ARROW INDICATES FRONT OF RACK.
- SPEAKER TO BE MOUNTED IN HORIZONTAL POSITION.
- MOUNTING HEIGHT IS TO BOTTOM OF DISPLAY.

*TYPICAL SYMBOL SCHEDULE. SOME SYMBOLS MAY NOT BE USED ON THIS SET OF DRAWINGS.

STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS

| GENERAL | | | | AUDIOVISUAL | | | | TELECOMMUNICATIONS | | | | SECURITY | | | | NURSE CALL | | | |
|---------|--|-----------------|-------|-------------|---|------------------|-------|--------------------|---|-----------------|-------|----------|---------------------------------|-----------------|---------|------------|----------------------------------|------------------|-------|
| SYMBOL | DESCRIPTION | MOUNTING HEIGHT | NOTES | SYMBOL | DESCRIPTION | MOUNTING HEIGHT | NOTES | SYMBOL | DESCRIPTION | MOUNTING HEIGHT | NOTES | SYMBOL | DESCRIPTION | MOUNTING HEIGHT | NOTES | SYMBOL | DESCRIPTION | MOUNTING HEIGHT | NOTES |
| → | ONE CIRCUIT, HOME RUN TO PANEL | | | [RH] | HDMI INPUT, WALL PLATE WITH HUBBELL HBL260 JUNCTION BOX, SINGLE GANG MOUNTING | +18" OR AS NOTED | 2, 9. | [WA] | WIRELESS ACCESS POINT, TWO CABLES SOLID = WALL, DASHED = CEILING | WALL / CEILING | 11. | [C] | CAMERA | AS NOTED | 14, 15. | [DR] | ACCESS CONTROL CARD READER | +48" | 2. |
| →→ | TWO CIRCUIT, HOME RUN TO PANEL | | | [RH] | HDMI AND VGA INPUT, WALL PLATE WITH HUBBELL HBL260 JUNCTION BOX, DOUBLE GANG MOUNTING | +18" OR AS NOTED | 2, 9. | [SPL] | SPLITTER | ABOVE CEILING | | [BR] | ACCESS CONTROL BIOMETRIC READER | +48" | 2. | [MS] | MASTER STATION | +48" OR AS NOTED | 2, 9. |
| →→→ | THREE CIRCUIT, HOME RUN TO PANEL | | | [RH] | HDMI INPUT TRANSMITTER, WALL PLATE WITH HUBBELL HBL260 J-BOX, SINGLE GANG MOUNTING | +18" OR AS NOTED | 2, 9. | [SPL] | SPLITTER | ABOVE CEILING | | [KS] | KEY OVERRIDE SWITCH | +48" | 2. | [BC] | BUZZER CONTACT | +48" OR AS NOTED | 2, 9. |
| →→→ | CONDUIT RUN CONCEALED IN WALL OR CEILING | | | [RH] | HDMI AND VGA TRANSMITTER, WALL PLATE WITH HUBBELL HBL260 J-BOX, DOUBLE GANG MOUNTING | +18" OR AS NOTED | 2, 9. | [SPL] | SPLITTER | ABOVE CEILING | | [CR] | CONTROL ROOM | +48" | 2. | [GI] | GRAPHICAL INTERFACE ROOM STATION | +48" OR AS NOTED | 2, 9. |
| →→→ | CONDUIT RUN CONCEALED IN FLOOR OR GROUND | | | [RH] | HDMI AND VGA TRANSMITTER, WALL PLATE WITH HUBBELL HBL260 J-BOX, SINGLE GANG MOUNTING | +18" OR AS NOTED | 2, 9. | [SPL] | SPLITTER | ABOVE CEILING | | [CR] | CONTROL ROOM | +48" | 2. | [N] | NURSE CALL DOMEZONE LIGHT | +80" OR AS NOTED | 2, 9. |
| →→→ | CONDUIT UP | | | [RH] | HDMI AND VGA TRANSMITTER, WALL PLATE WITH HUBBELL HBL260 J-BOX, DOUBLE GANG MOUNTING | +18" OR AS NOTED | 2, 9. | [SPL] | SPLITTER | ABOVE CEILING | | [CR] | CONTROL ROOM | +48" | 2. | [PC] | PULL CORD STATION WITH AUDIO | +48" OR AS NOTED | 2, 9. |
| →→→ | CONDUIT DOWN | | | [RH] | HDMI AND VGA TRANSMITTER, WALL PLATE WITH HUBBELL HBL260 J-BOX, SINGLE GANG MOUNTING | +18" OR AS NOTED | 2, 9. | [SPL] | SPLITTER | ABOVE CEILING | | [CR] | CONTROL ROOM | +48" | 2. | [DS] | DUTY STATION | +48" OR AS NOTED | 2, 9. |
| →→→ | CONDUIT STUB LOCATION | CAP CONDUIT | | [RH] | HDMI AND VGA TRANSMITTER, WALL PLATE WITH HUBBELL HBL260 J-BOX, DOUBLE GANG MOUNTING | +18" OR AS NOTED | 2, 9. | [SPL] | SPLITTER | ABOVE CEILING | | [CR] | CONTROL ROOM | +48" | 2. | | | | |
| →→→ | CONDUIT / CIRCUIT CONTINUATION | | | [RH] | HDMI AND VGA TRANSMITTER, WALL PLATE WITH HUBBELL HBL260 J-BOX, SINGLE GANG MOUNTING | +18" OR AS NOTED | 2, 9. | [SPL] | SPLITTER | ABOVE CEILING | | [CR] | CONTROL ROOM | +48" | 2. | | | | |

LOW VOLTAGE SCOPE OF WORK

NOTES:

- RESPONSIBILITY MATRIX DELINEATES THE SCOPE OF WORK BETWEEN THE OWNER AND THE CONTRACTORS. CONTRACTORS ARE RESPONSIBLE TO COORDINATE BETWEEN EACH OTHER FOR THE FULL SCOPE OF WORK THEY ARE RESPONSIBLE FOR.
- ADDITIONAL NOTES MAY BE PRESENT WITHIN THE CONTRACT DOCUMENTS INDICATING SPECIFIC EQUIPMENT PROVIDED BY OTHERS OR REQUIRE INSTALLATION BY SPECIFIC DIVISIONS.
- INSTALLER PROVIDING THE SYSTEM CABLEING SHALL PROVIDE THE CABLEING, TERMINATION AND CERTIFICATION FOR A COMPLETE SYSTEM INSTALLATION, UNLESS OTHERWISE SPECIFICALLY NOTED WITHIN THE CONTRACT DOCUMENTS.
- INSTALLER TO VERIFY WITH CONTRACT DOCUMENTS FOR THE CONNECTION TYPE (MALE OR FEMALE) REQUIRED FOR EACH SYSTEM.
- REFER TO DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

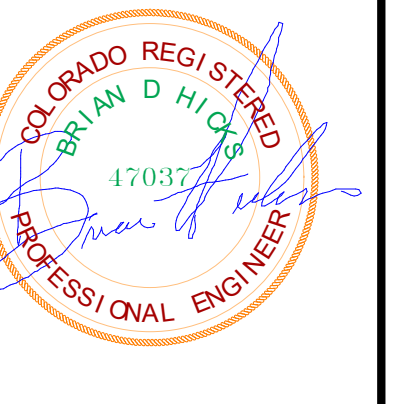
LEGEND

| | |
|-------|------------------------------------|
| AC | ACCESS CONTROL CONTRACTOR |
| AV | AUDIOVISUAL CONTRACTOR |
| DC | DOOR HARDWARE CONTRACTOR |
| EC | ELECTRICAL CONTRACTOR |
| FR | FURNITURE CONTRACTOR |
| GC | GENERAL CONTRACTOR |
| IC | INTRUSION DETECTION CONTRACTOR |
| LVC | TELEPHONE/DATA CABLEING CONTRACTOR |
| NIC | NOT IN CONTRACT |
| OWNER | OWNER |
| SC | VIDEO SURVEILLANCE CONTRACTOR |
| SPEC | SEE SPECIFICATIONS |

| DESCRIPTION | FURNISHED BY | INSTALLED BY |
|---|--------------|--------------|
| GENERAL | | |
| EQUIPMENT POWER (120V, 208V, 240V, 277V, 480V) | | EC |
| ROUGH OR FINISHED TRIM, CASEWORK, MILLWORK, EQUIPMENT RACK PEDESTALS, STRUCTURAL WORK FOR SPECIAL CONSTRUCTION | | GC |
| STRUCTURAL BACKING AND SUPPORT FOR WALL MOUNTED EQUIPMENT | | GC |
| SUPPORT CABLES, PRE-CONSTRUCTION KITS, TILE BRIDGES AND/OR BACK BOXES FOR CEILING MOUNTED DEVICES. | | EC |
| ACCESS CONTROL | | |
| ROUGH-IN - CONDUIT W/PULL STRING, JUNCTION BOXES, FLOOR BOXES, ETC. | | EC |
| CATEGORY CABLE / FIBER OPTIC CABLE | | AC |
| NON-CATEGORY CABLE | | AC |
| ACCESS CONTROL SERVER | | AC |
| ACCESS CONTROL SOFTWARE | OWNER | OWNER |
| DOOR CONTROLLER POWER SUPPLIES | | AC |
| DOOR CONTROLLERS | | AC |
| DOOR LOCKING ELECTRONIC HARDWARE | | DC |
| LOCK & ACCESS CONTROL POWER SUPPLIES | | DC |
| NETWORK SWITCHES WITHIN THE ER(MDF)/TR(IDF) FOR ACCESS CONTROL AND/OR INTRUSION SYSTEMS | OWNER | OWNER |
| AUDIOVISUAL | | |
| ROUGH-IN - CONDUIT W/PULL STRING, JUNCTION BOXES, FLOOR BOXES, FLAT PANEL DISPLAY BACK BOXES, ETC. | | EC |
| SPECIALTY BACK BOXES, TILE BRIDGES, SUPPORT CABLES, PRECONSTRUCTION KITS, ETC. FOR AUDIOVISUAL COMPONENTS (TOUCH PANELS, LOUDSPEAKERS, KEYPADS, ETC.) | | AV |
| CATEGORY CABLE / FIBER OPTIC CABLE FROM DEVICE LOCATION TO TR(MDF)/ER(IDF) TERMINATED IN PATCH PANEL | | LVC |
| CATEGORY CABLEING FROM DEVICE TO DEVICE, NOT TERMINATED IN PATCH PANELS WITHIN THE ER(MDF)/TR(IDF) | | AV |
| COAXIAL CABLE | | LVC |
| LIGHTING CONTROL SYSTEM INTERFACE DEVICE(S) AND CABLEING TO AV CONTROL SYSTEM, TERMINATION INTO AV SYSTEM CONTROLLER BY AV INSTALLER | | EC |
| MOTORIZED SHADE CONTROL SYSTEM INTERFACE DEVICE(S) AND CABLEING TO AV CONTROL SYSTEM, TERMINATION INTO AV SYSTEM | | AV |
| CUSTOM AUDIOVISUAL CONNECTOR INSERT PLATE FOR FLOOR BOXES AND/OR WALL PLATES | | AV |
| EQUIPMENT RACKS NOT WITHIN THE ER(MDF)/TR(IDF) FOR SYSTEM COMPONENTS | | AV |
| FURNITURE BOX TABLE CUTTING | | GC |
| FURNITURE BOXES WITH AUDIOVISUAL CONNECTIONS AND/OR CABLES | | AV |
| PROJECTOR SCREEN MANUAL AND/OR MOTORIZED HOUSING | | AV |
| PROJECTOR SCREEN MANUAL AND/OR MOTORIZED ROLLER | | AV |
| PROJECTOR SCREEN, FIXED FRAME (SIMILAR TO WHITEBOARD) | | GC |
| FLAT PANEL MONITOR MOUNTS | | AV |
| FLAT PANEL MONITORS | | AV |
| INSTRUCTOR'S LECTERNS/CONSOLES WITH INTEGRATED AUDIOVISUAL SYSTEMS COMPONENTS | | AV |
| INTERACTIVE FLAT PANEL MONITORS AND MOUNTS | OWNER | OWNER |
| NETWORK SWITCHES WITHIN THE ER(MDF)/TR(IDF) FOR AUDIOVISUAL NETWORK, AUDIO, CONTROL AND VIDEO | OWNER | OWNER |
| VIDEO PROJECTOR | | AV |
| VIDEO PROJECTOR MOUNTS | | AV |
| SECURITY | | |
| ROUGH-IN - CONDUIT W/PULL STRING, JUNCTION BOXES, FLOOR BOXES, ETC. | | EC |
| CAMERA ETHERNET EXTENDERS AND POE INJECTORS | | LVC |
| CATEGORY CABLE / FIBER OPTIC CABLE | | LVC |
| SURGE SUPPRESSION | | SC |
| TERMINATE CABLE (PATCH PANEL AND DATA PORT), INCLUDING TESTING | | LVC |
| EQUIPMENT RACKS WITHIN THE ER(MDF)/TR(IDF) FOR SYSTEM COMPONENTS | | LVC |
| NETWORK SWITCHES WITHIN THE ER(MDF)/TR(IDF) FOR VIDEO SURVEILLANCE | OWNER | OWNER |
| POE DATA SWITCHES | OWNER | OWNER |
| SECURITY CAMERA MOUNTS | OWNER | OWNER |
| SECURITY CAMERAS | OWNER | OWNER |
| VIDEO MANAGEMENT SOFTWARE (VMS) AND CAMERA LICENSES | OWNER | OWNER |
| TELEPHONE / DATA | | |
| ROUGH-IN - CONDUIT W/PULL STRING, JUNCTION BOXES, FLOOR BOXES, FLAT PANEL DISPLAY BACK BOXES, ETC. | | EC |
| CATEGORY CABLE / FIBER OPTIC CABLE | | LVC |
| PATCH CABLES FOR DEVICES WITHIN THE TRIVER FOR CONNECTION BETWEEN PATCH PANELS AND NETWORK SWITCHES | | LVC |
| TERMINATE CABLE (PATCH PANEL AND DATA PORT), INCLUDING TESTING | OWNER | OWNER |
| CUSTOM TELECOMMUNICATIONS CONNECTOR INSERT PLATE FOR FLOOR BOXES AND/OR WALL PLATES | | EC |
| DATA SWITCHES, SERVERS, FIREWALL, ETC | OWNER | OWNER |
| EQUIPMENT RACKS WITHIN THE ER(MDF)/TR(IDF) FOR SYSTEM COMPONENTS | | LVC |
| RACK MOUNT UPS, POWER DISTRIBUTION UNIT (PDU) | | LVC |
| WIRELESS ACCESS POINTS | | OWNER |

LOW-VOLTAGE SHEET INDEX

| T002 | LOW-VOLTAGE SYMBOLS AND NOTES |
|------|---------------------------------|
| T200 | AUDIOVISUAL SYMBOLS AND NOTES |
| T500 | DATA NETWORKS SYMBOLS AND NOTES |
| T570 | DATA NETWORKS SCHEDULES |
| T670 | SECURITY SCHEDULES |



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| Drawn by: | 02/05/2024 |
| Author: | File: |
| Checked by: | Scale: |
| Submitter: | Project Number: |
| Approver: | Project Number: |

RCH Valley
 Real Color Holdings, LLC
 875 Valley St
 Colorado Springs, CO
 80915

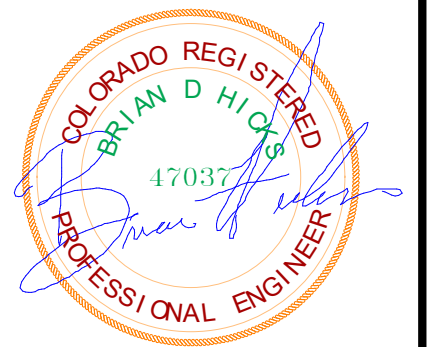
LOW-VOLTAGE SYMBOLS AND NOTES

SHEET NUMBER
T002

| STRUCTURED CABLING SYMBOL SCHEDULE | | | | | | | |
|---|--|------------------|--|--------|---|------------------|-------|
| NOTES: | | | GENERAL SCHEDULE NOTES: | | | | |
| 1. COORDINATE WITH MILLWORK SHOP DRAWINGS AND ELEVATIONS FOR HEIGHT. 2. HEIGHT MEASURED TO BOTTOM OF THE BOX FROM FINISHED FLOOR. 3. HEIGHT MEASURED TO TOP OF THE BOX FROM FINISHED FLOOR. 4. DASHED LINE INDICATES EQUIPMENT CLEARANCES. | | | A. DEVICE WITH A DASHED OUTLINE AROUND THE SYMBOL INDICATE DEVICE IS CEILING MOUNTED. B. DEVICE WITH A SOLID OUTLINE AROUND THE SYMBOL INDICATE DEVICE IS FLOOR MOUNTED. C. ARROW INDICATES FRONT OF EQUIPMENT RACK. | | | | |
| STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS | | | | | | | |
| SYMBOL | DESCRIPTION | MOUNTING HEIGHT | NOTES | SYMBOL | DESCRIPTION | MOUNTING HEIGHT | NOTES |
| | CONDUIT RUN CONCEALED IN WALL OR CEILING | | | | CONDUIT/CIRCUIT CONTINUATION | | |
| | CONDUIT RUN CONCEALED IN FLOOR OR GROUND | | | | CABLE TRAY (BASKET/LADDER) [WIDTH X HEIGHT] | AS NOTED @ #'-#" | 2. |
| | CONDUIT UP | | | | EQUIPMENT NUMBER | | |
| | CONDUIT DOWN | | | | ARCHITECTURAL ROOM NUMBER | | |
| | CONDUIT STUB LOCATION | CAP CONDUIT | | | DIAGRAM CALLOUT TAG | | |
| TELECOMMUNICATIONS | | | | | | | |
| | WALL PHONE | +6" OR AS NOTED | 2. | | WIRELESS ACCESS POINT, TWO CABLES SOLID = WALL, DASHED = CEILING | WALL / CEILING | 11. |
| | DATA OUTLET, ONE CABLE | +18" OR AS NOTED | 2. 9. 11. | | SPLITTER | ABOVE CEILING | |
| | DATA OUTLET, TWO CABLES | +18" OR AS NOTED | 2. 9. 11. | | VIA | ABOVE CEILING | |
| | DATA OUTLET, THREE CABLES | +18" OR AS NOTED | 2. 9. 11. | | FIBER BDA | ABOVE CEILING | |
| | DATA OUTLET, "X" INDICATES QUANTITY | +18" OR AS NOTED | 2. 9. 11. | | ANTENNA PS = PUBLIC SAFETY COM = CELLULAR/COMMERCIAL | CEILING | |
| | TELEVISION OUTLET | +18" OR AS NOTED | 9. 11. | | | | |

| STRUCTURED CABLING GENERAL NOTES | |
|----------------------------------|---|
| 1. | HEIGHTS SHOWN ARE TYPICAL TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE. ALL DEVICES OUTLETS SHALL BE MOUNTED VERTICALLY. |
| 2. | MOUNTING HEIGHTS SHOWN ON ARCHITECTURAL ELEVATIONS SHALL GOVERN OVER THOSE SHOWN. |
| 3. | ALL DEVICES INDICATED TO BE INSTALLED AT DIFFERENT MOUNTING HEIGHTS AND LOCATED WITHIN ONE STUD SPACE FROM EACH OTHER SHALL ALIGN VERTICALLY ON THE SAME SIDE OF THE STUD. WHERE WALL MOUNTED TELEPHONES OCCUR OVER LIGHT SWITCHES, VOLUME CONTROLS, ETC. OFFSET ONE STUD SPACE. |
| 4. | ALL EXPOSED RACEWAYS SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO WALLS OR STRUCTURAL MEMBERS SUCH THAT THEY FOLLOW STRUCTURAL SURFACE CONTOURS AND SHALL BE INSTALLED SUCH THAT THEY DO NOT OBSTRUCT PASSAGEWAYS. MULTIPLE RACEWAYS SHOULD BE INSTALLED GROUPED TOGETHER. THE LOCATION OF THESE RACEWAYS SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION. (EXTRA TIME SHOULD BE ALLOWED FOR THIS REVIEW AND APPROVAL.) |
| 5. | ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS OTHERWISE NOTED. CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUITS AND BACK BOXES IN POURED CONCRETE, MASONRY, AND GYP WALLS. |
| 6. | DATA GIVEN ON THE DRAWINGS IS AS EXACT AS COULD BE SECURED. ABSOLUTE ACCURACY IS NOT GUARANTEED AND THE CONTRACTOR SHALL OBTAIN AND VERIFY EXACT LOCATIONS, MEASUREMENTS, LEVELS, SPACE REQUIREMENTS, POTENTIAL CONFLICTS WITH OTHER TRADES, ETC. AT THE SITE AND SHALL SATISFACTORILY ADAPT HIS WORK TO ACTUAL CONDITIONS AT THE BUILDINGS. THE DRAWINGS ARE DIAGRAMMATICAL IN NATURE AND SHALL NOT BE SCALED. HOWEVER, THIS DOES NOT RELIEVE ANY SUB-CONTRACTOR FROM COORDINATING HIS WORK WITH ALL OTHER TRADES AND FROM ADJUSTING HIS WORK AS REQUIRED BY THE ACTUAL CONDITIONS OF THE PROJECT. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING A BID TO BECOME THOROUGHLY FAMILIAR WITH THE ACTUAL CONDITIONS OF THE PROJECT. |
| 7. | COORDINATE AND ADJUST ALL WORK BETWEEN TRADES AND EXISTING CONDITIONS IN ORDER TO ACCOMPLISH A NEAT, INTEGRATED AND EFFICIENT INSTALLATION WHICH INCLUDE BUT IS NOT LIMITED TO: A. EXAMINE THE CONTRACT DOCUMENTS OF ALL TRADES (I.E. THE ARCHITECTURAL REFLECTED CEILING PLAN, MECHANICAL HVAC DRAWINGS, ELECTRICAL LIGHTING PLAN, TECHNOLOGY PLAN, FIRE PROTECTION PLAN, ETC.) B. COORDINATE NECESSARY EQUIPMENT, FIXTURES, ETC. SO THAT THE FINAL INSTALLATION IS COMPATIBLE WITH THE MATERIALS AND EQUIPMENT OF THE OTHER TRADES. C. THIS CONTRACTOR SHALL ASSIST THE DIVISION 21, 22 AND 23 CONTRACTOR IN PREPARING SHOP DRAWINGS FOR COORDINATING INSTALLATION OF ALL WORK (I.E. LOCATING ALL CEILING CLEARANCES, CABLE TRAY, CLEARANCES THROUGHOUT, ETC.) |
| 8. | ALL COMMUNICATIONS RACEWAY AND PATHWAYS INCLUDING BUT NOT LIMITED TO CONDUIT, SLEEVES, CABLE TRAY, J-HOOKS SHALL BE INSTALLED TO MINIMIZE UNNECESSARY CABLE LENGTHS AND MAINTAIN INDUSTRY STANDARD LENGTH LIMITATIONS FOR HORIZONTAL CABLE DISTRIBUTION (I.E. CATEGORY CABLING), NO HORIZONTAL CABLE LENGTH (PERMANENT LINK) SHALL EXCEED 90 METERS (295 FEET). |
| 9. | ALL COMMUNICATIONS CONDUIT, CABLE TRAYS, LADDER RACKS AND EQUIPMENT RACKS SHALL BE BONDED TO BUILDING GROUND SYSTEM PER NEC 250. |
| 10. | ALL TELE/DATA CONDUIT AND OTHER RACEWAY INFRASTRUCTURE SHALL HAVE NO LESS THAN 30% SPARE CAPACITY ABOVE THE NEC MINIMUM FILL RATIOS. |
| 11. | ALL RISER CONDUIT SHALL BE STUBBED A MINIMUM OF 2' AFF. PROVIDE A 2" CURB IF SLAB BLOCK-OUT IS USED RATHER THAN SLEEVES. SERVICE PROVIDER AND UNDERGROUND CONDUIT SHALL BE STUBBED A MINIMUM OF 4' AFF. |
| 12. | ALL UNDERGROUND COMMUNICATIONS CONDUIT SHALL HAVE METALLIC LOCATOR TAPE. |
| 13. | ENSURE THAT ALL CABLE TRAY INSTALLED COMPLIES WITH NEC 392. ONCE ALL CABLING HAS BEEN INSTALLED, CONTRACTOR SHALL PROVIDE AVAILABLE CABLE FILL DOCUMENTATION TO OWNER. |
| 14. | REFER TO OWNER HEATMAPS FOR ALL WIRELESS ACCESS POINT LOCATIONS. REFER TO RISER DIAGRAM AND SPECIFICATION 271500 FOR ADDITIONAL REQUIREMENTS. |
| 15. | COORDINATE ALL FURNITURE TERMINATION LOCATIONS WITH FURNITURE SHOP DRAWINGS AND INSTALLER PRIOR TO RIGGING. DEVICE LOCATIONS SHOWN ARE FOR TECHNICAL INFORMATION ONLY. PROVIDE FURNITURE BOXES COMPATIBLE WITH FURNITURE SYSTEM. |

| STRUCTURED CABLING SHEET INDEX | |
|--------------------------------|---------------------------------|
| T500 | DATA NETWORKS SYMBOLS AND NOTES |
| T570 | DATA NETWORKS SCHEDULES |



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| Submitted: | 02/05/2024 |
| Designed by: | Designer |
| Drawn by: | Author |
| Reviewed by: | Checker |
| Submitted by: | Approver |
| File: | |
| Scale: | |
| Project Number: | |
| Project Number: | |

RCH Valley
Real Color Holdings, LLC
875 Valley St
Colorado Springs, CO
80915

SHEET NUMBER
T500

DATA EQUIPMENT RACK SCHEDULE

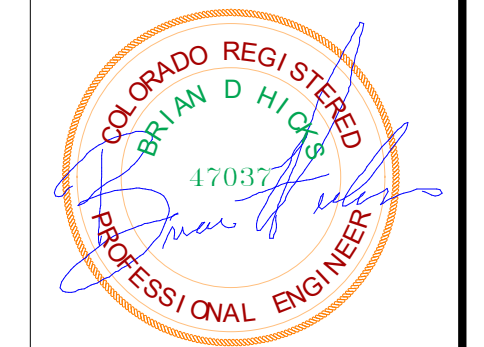
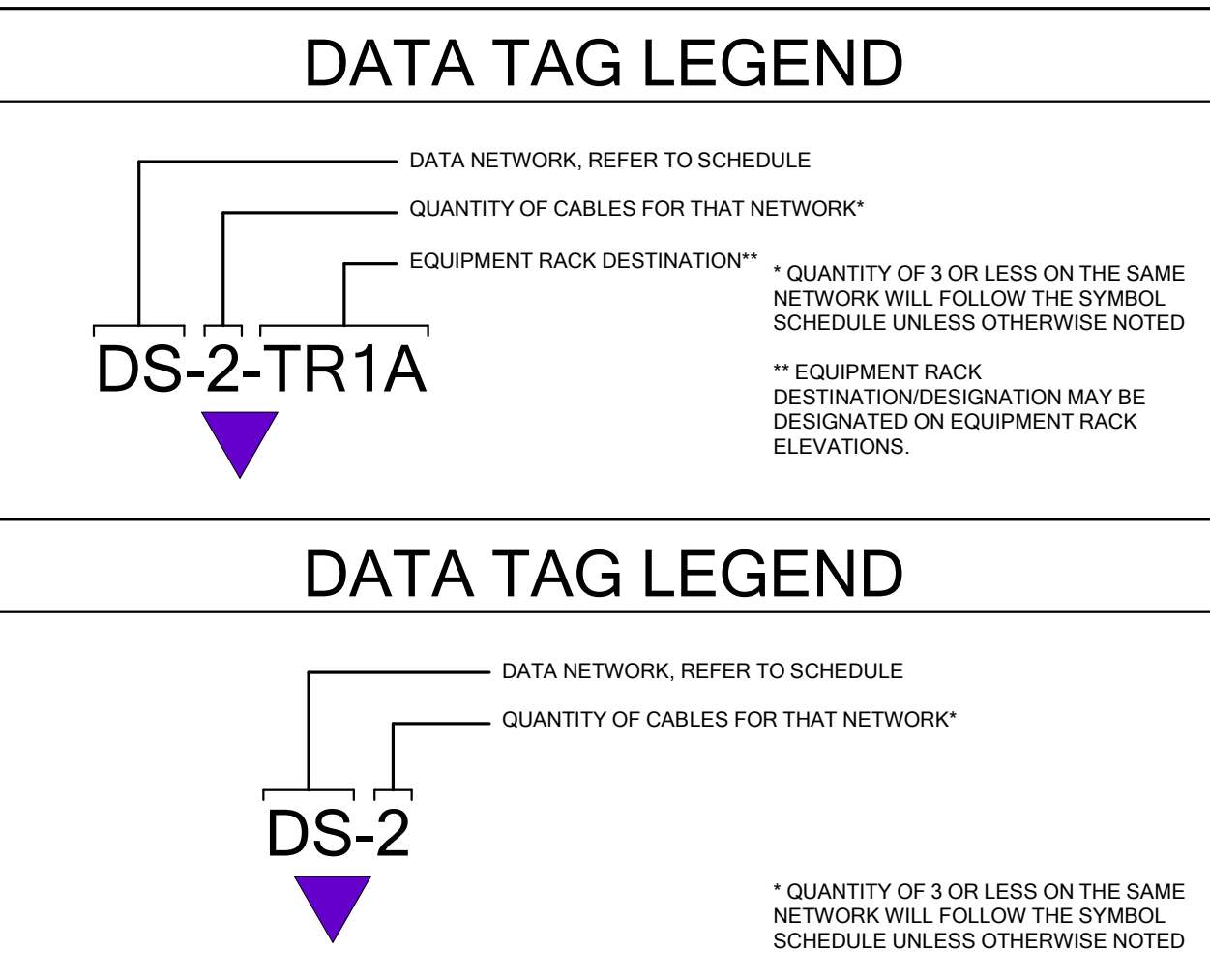
| ROOM NAME | ROOM NUMBER | IDENTIFIER | RU'S | MOUNTING TYPE | NOTES |
|-----------|-------------|------------|------|---------------|-------|
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DATA NETWORK SCHEDULE BY AREA

| DATA TYPE | SYSTEM | NO. OF BOXES | CABLE QUANTITY | TYPE OF CABLE | RM. NAME | RM. NUMBER |
|--------------------|---------------------|--------------|----------------|---------------|-----------------------|------------|
| | | 0 | 0 | | | |
| SC | AUDIOVISUAL NETWORK | 44 | 38.4 | CAT-6 | | |
| D | DATA NETWORK | 11 | 22 | CAT-6 | | |
| | | 0 | 0 | | BREAKROOM | <varies> |
| D | DATA NETWORK | 7 | 14 | CAT-6 | BREAKROOM | <varies> |
| | | 0 | 0 | | CLOSET | 202A |
| | | 0 | 0 | | COPY | <varies> |
| SC | AUDIOVISUAL NETWORK | 6 | 5.6 | CAT-6 | COPY | 200A |
| D | DATA NETWORK | 4 | 7 | CAT-6 | COPY | <varies> |
| | | 0 | 0 | | DATA | 114 |
| | | 0 | 0 | | FIRE RISER | 120 |
| | | 0 | 0 | | HALLWAY | <varies> |
| SC | AUDIOVISUAL NETWORK | 10 | 8 | CAT-6 | HALLWAY | 100 |
| | | 0 | 0 | | JANITOR | 116 |
| | | 0 | 0 | | LARGE WORK ROOM | 211 |
| D | DATA NETWORK | 11 | 22 | CAT-6 | LARGE WORK ROOM | 211 |
| | | 0 | 0 | | LOBBY | 102 |
| SC | AUDIOVISUAL NETWORK | 2 | 1.6 | CAT-6 | LOBBY | 102 |
| D | DATA NETWORK | 1 | 2 | CAT-6 | LOBBY | 102 |
| | | 0 | 0 | | MECHANICAL | 117 |
| | | 0 | 0 | | MEN | <varies> |
| | | 0 | 0 | | OFFICE #1 | 104 |
| D | DATA NETWORK | 4 | 8 | CAT-6 | OFFICE #1 | 104 |
| | | 0 | 0 | | OFFICE #2 | 106 |
| D | DATA NETWORK | 4 | 8 | CAT-6 | OFFICE #2 | 106 |
| | | 0 | 0 | | OFFICE #3 | 110 |
| D | DATA NETWORK | 5 | 10 | CAT-6 | OFFICE #3 | 110 |
| | | 0 | 0 | | OFFICE #4 | 112 |
| D | DATA NETWORK | 3 | 6 | CAT-6 | OFFICE #4 | 112 |
| | | 0 | 0 | | OFFICE #5 | 202 |
| D | DATA NETWORK | 3 | 6 | CAT-6 | OFFICE #5 | 202 |
| | | 0 | 0 | | OFFICE #6 | 206 |
| D | DATA NETWORK | 4 | 8 | CAT-6 | OFFICE #6 | 206 |
| | | 0 | 0 | | OFFICE #7 | 207 |
| D | DATA NETWORK | 6 | 12 | CAT-6 | OFFICE #7 | 207 |
| | | 0 | 0 | | OFFICE #8 | 208 |
| D | DATA NETWORK | 4 | 8 | CAT-6 | OFFICE #8 | 208 |
| | | 0 | 0 | | OFFICE #10 | 210 |
| D | DATA NETWORK | 4 | 8 | CAT-6 | OFFICE #10 | 210 |
| | | 0 | 0 | | OPEN WAREHOUSE-1 | 118-1 |
| SC | AUDIOVISUAL NETWORK | 5 | 5 | CAT-6 | OPEN WAREHOUSE-1 | 118-1 |
| | | 0 | 0 | | OPEN WAREHOUSE-2 | 118-2 |
| | | 0 | 0 | | RECEPTION | 103 |
| D | DATA NETWORK | 4 | 9 | CAT-6 | RECEPTION | 103 |
| | | 0 | 0 | | SMALL CONFERENCE ROOM | 111 |
| D | DATA NETWORK | 4 | 8 | CAT-6 | SMALL CONFERENCE ROOM | 111 |
| | | 0 | 0 | | Space | 132 |
| D | DATA NETWORK | 3 | 6 | CAT-6 | Space | 132 |
| | | 0 | 0 | | STAIR | <varies> |
| SC | AUDIOVISUAL NETWORK | 2 | 1.6 | CAT-6 | STAIR | 115 |
| D | DATA NETWORK | 1 | 2 | CAT-6 | STAIR | 200 |
| | | 0 | 0 | | STORAGE | <varies> |
| | | 0 | 0 | | TELE DATA | 201 |
| D | DATA NETWORK | 1 | 2 | CAT-6 | TELE DATA | 201 |
| | | 0 | 0 | | UNISEX SHOWER | 105 |
| | | 0 | 0 | | VESTIBULE | 101 |
| | | 0 | 0 | | WOMEN | <varies> |
| GRAND TOTAL | | 153 | 228.2 | | | |

DATA NETWORK SCHEDULE BY LEVEL

| DATA TYPE | SYSTEM | NO. OF BOXES | CABLE QUANTITY | PATCH PANEL | TYPE OF CABLE |
|--------------------|---------------------|--------------|----------------|-------------|---------------|
| | | 0 | 0 | | |
| | | 0 | 0 | | |
| SC | AUDIOVISUAL NETWORK | 36 | 31.2 | 48 | CAT-6 |
| D | DATA NETWORK | 8 | 16 | 48 | CAT-6 |
| | | 0 | 0 | | |
| SC | AUDIOVISUAL NETWORK | 14 | 12.6 | 48 | CAT-6 |
| D | DATA NETWORK | 35 | 71 | 48 | CAT-6 |
| | | 0 | 0 | | |
| SC | AUDIOVISUAL NETWORK | 19 | 16.4 | 48 | CAT-6 |
| D | DATA NETWORK | 41 | 81 | 48 | CAT-6 |
| GRAND TOTAL | | 153 | 228.2 | | |

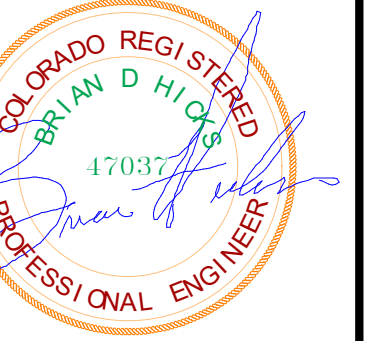


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| Designer: 02/05/2024 | File: | Project Number: |
| Drawn by: | Scale: | Project Number: |
| Author: | Checked by: | Project Number: |
| Reviewed by: | Submitted by: | Project Number: |
| Checker: | Approver: | Project Number: |

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DATA NETWORKS SCHEDULES



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|------|------------|-------------|
| 1 | 06/01/2023 | Revision 1 |

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| Submitted: | 02/05/2024 |
| Designed by: | Designer |
| Drawn by: | Author |
| Reviewed by: | Checker |
| Submitted by: | Approver |
| Scale: | 1/4" = 1'-0" |
| Project Number: | Project Number |

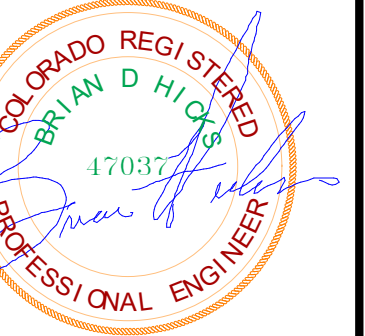
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Real Color Holdings, LLC
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FIRST FLOOR SYSTEMS PLAN

SHEET NUMBER
E411

FIRST FLOOR SECURITY PLAN
SCALE = 1/4" = 1'-0"





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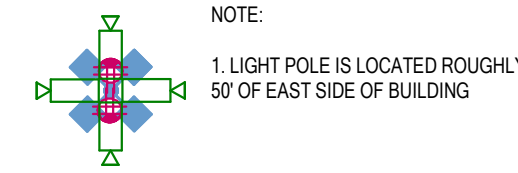
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| Checker: | Project Number: | |
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| Approver: | | |

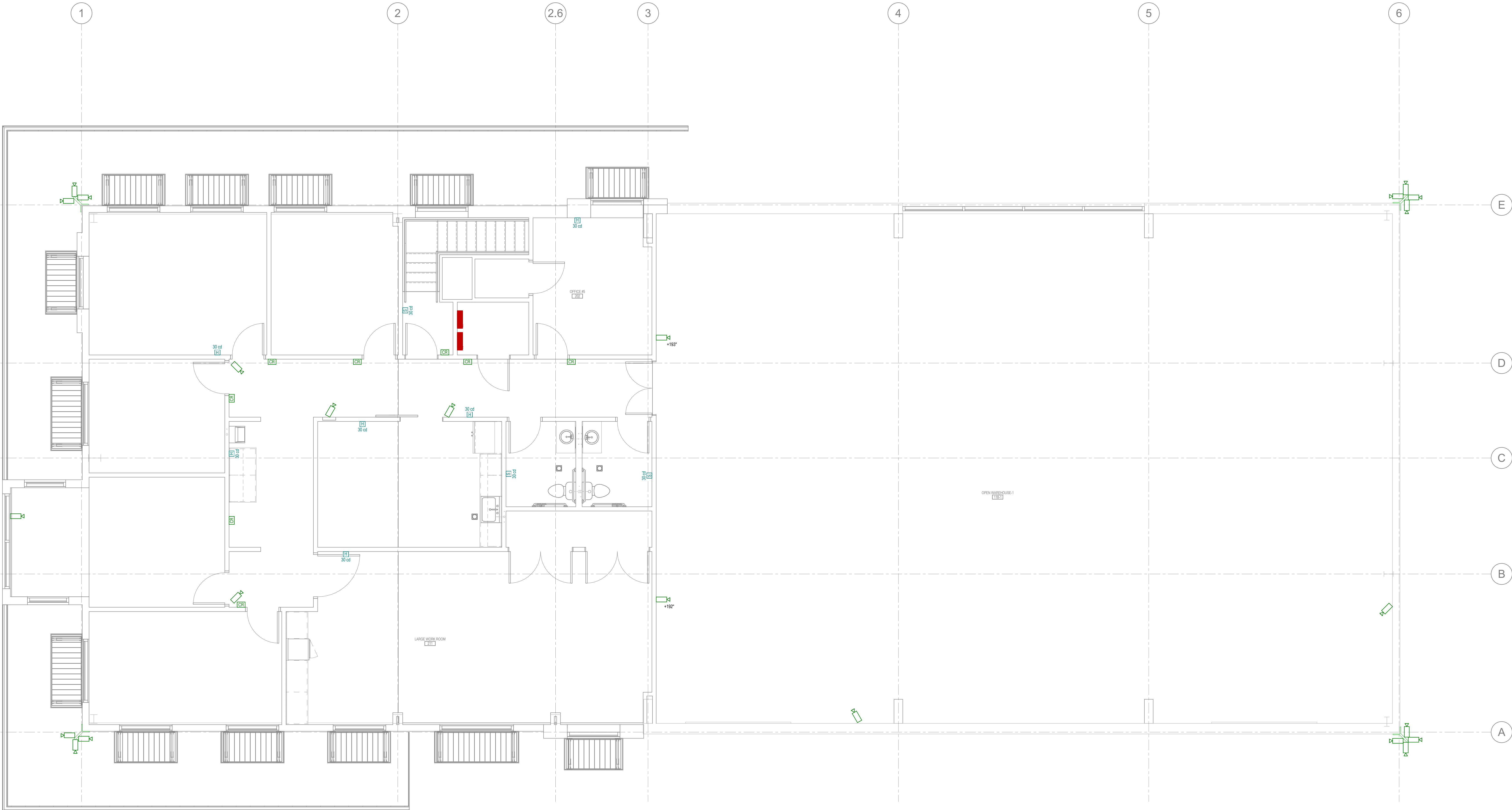
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80915

SECOND FLOOR SYSTEMS PLAN

SHEET NUMBER
E412



1 ENLARGED SITE LIGHT POLE DETAIL
SCALE = 1/8" = 1'-0"



SECOND FLOOR SECURITY PLAN
SCALE = 1/4" = 1'-0"

