



State of Colorado
Division of Housing

April 15, 2020



PLANS APPROVED
Subject to field inspection

9423

Design Is Limited To ‘B’ Occupancy Type Buildings,
per IBC Chapter 3

Sheet Drawing Index

| Sheet Number | Sheet Title |
|--------------|---|
| G0.CO | Cover Page |
| G0.01 | Structural & Architectural Schedules & Notes |
| G0.02 | MEP Schedules & Notes |
| G2.01 | Legends |
| S1.01 | Suggested Tie-Down Anchors & Blocking |
| S1.02 | Structural Floor Framing Layout |
| S1.03 | Structural Column & Truss Layout |
| S1.04 | Structural Roof Framing Layout |
| S1.05 | Structural Roof Finish Layout |
| S2.01 | Exterior Elevations |
| S3.01 | Structural Truss Elevation View & Truss Details |
| S3.02 | Structural Trailer Frame Details |
| S4.01 | Structural Details |
| S4.02 | Structural Details |
| S5.01 | Fastening Schedule & Roof Diaphragm & Shearwall Panel Details |
| A1.01 | Architectural Floor Plan |
| A1.02 | Architectural Floor Vinyl Plan |
| A1.03 | Architectural Reflected Ceiling Plan |
| A2.01 | Interior Elevations & Details |
| A2.02 | Accessibility Architectural Details |
| A3.01 | Building Elevation Section Details |
| P1.01 | Plumbing Fixture Layout |
| P1.02 | Plumbing Domestic Layout |
| P1.03 | Plumbing Sewer Layout |
| P1.04 | Plumbing Vent Layout |
| P2.01 | Plumbing Isometric Details |
| P2.02 | Plumbing Isometric Details |
| M1.01 | Mechanical HVAC Ductwork Layout |
| E1.01 | Electrical Power & Data Layout |
| E2.01 | Electrical Lighting Layout |
| E5.01 | Electrical Panel Schedule LV-1 |
| E5.02 | Electrical Panel Schedule LV-2 |

Special Conditions & / or Limitations

Materials that are equal or better may be substituted withmaterials listed.

Building is to be located a minimum of 10 feet from property lines.

Portable fire extinguishers to be provided and installed by others unless noted otherwise.

Restroom Facilities Shall Be Provided With 500ft Of The Building

Drinking Fountain or Bottle Water Shall Be Provided By Others Onsite

Service Sink Shall Be Provided Onsite By Others

Modular A, B, C & D

Overall Structural Building Size 47'-0" Wide x 60'-0" Long Per Modular
Overall Structural Building Size: 11'-9" Wide x 60'-0" Long; (4 Plex, Each)
Height;(W/Trailer: 14'-10 1/4")(W/ Out Trailer 11'-10 1/4")

Overall Building Square Footage: 2,820 (Per Modular: 705 Square
Footage)

Overall Occupant Load: 2,820/100 = 29

Colorado Energy Design Information

| | |
|--------------------|---|
| Climate Zone: | 5b |
| HDD: | 6226 |
| U-Factors: | 0.30 |
| Steel Doors: | 0.38 |
| SHGC: | 0.22 |
| Switching Schemes: | Per Electrical Plan |
| Fixtures Types: | LED Panel, 41W |
| HVAC Efficiencies: | Must Comply With Section C403.2.3 Of The IECC |
| HVAC ERR Rating: | 9.0 Minimum |
| Duct Insulation: | Must Comply With Section C403.2.3 Of The IECC |
| Cooling System: | Must Comply With Section C403.3 Of The IECC |
| Duct Sealing: | Must Comply With Section 603.9 Of The IMC |
| Thermostat: | Must Comply With Section C403.2.4.1 Of The IECC |
| Water Heater: | Must Compy With Section C404 Of The IECC |

Colorado Design Criteria

| | | | |
|-----------------------------|------------------------------------|----------|-----------|
| Codes: | 2018 IBC | 2017 ICC | 2015 IECC |
| | 2018 IPC | 2017 NEC | 2018 IMC |
| | 8 CCR 1302-14 Administrative Rules | | |
| | 2017 ICC A117.1 Accessibility Std. | | |
| Construction Type: | V-B | | |
| Occupancy Classification: | B | | |
| Site Design Classification: | D | | |

Note:

- Water Bottle/ Water Dispenser Shall Be Provided Onsite By Others. To Meet Code, Comply With Section 410.4 Of The IPC
- Plumbing Facilty To Be Provided No More Than 500 Ft. On Site Comply With Section 403.3.3 Of The IPC
- Service Sink Shall Be Provided Onsite By Others.

Colorado Design Loads

| | |
|--------------------------|------------------|
| Roof Live Load: | 20 PSF |
| Floor Live Load: | 100 PSF |
| Concentrated Floor Load: | 2,000 LBS |
| Roof Snow Load: | 40 PSF |
| Wind Load: | 139 @ 3-Sec Gust |
| Seismic Design Category: | B |



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By Yuri at 8:25:21 AM, 2/26/2020

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| A | Issued For Construction | 02/22/2020 |
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Project Date: 02/10/20

Design By: G. Arizmendez

Project Name:

ATCO Denver
Branch Buildings

Project Number:

96006

Drawing Title:

Cover Page

Sheet Number:

G0.CO

April 15, 2020



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Drawing Title:

Structural &
Architectural
Schedules & Notes

Sheet Number:

G0.01

Structural Floor & Roof Framing Schedule

| Count | Mark | Type | Structural Material | Length |
|-------|------|------|---|---------------|
| 4 | FB1 | 2x10 | #2 Prime Kiln Dried Southern Yellow Pine Lumber | 60' - 0" |
| 8 | FB2 | 2x10 | #2 Prime Kiln Dried Southern Yellow Pine Lumber | 10' - 11" |
| 8 | FB3 | 2x10 | #2 Prime Kiln Dried Southern Yellow Pine Lumber | 10' - 7" |
| 12 | FB4 | 2x10 | #2 Prime Kiln Dried Southern Yellow Pine Lumber | 59' - 1" |
| 178 | FJ1 | 2x10 | #2 Prime Kiln Dried Southern Yellow Pine Lumber | 11' - 3" |
| 12 | FJ2 | 2x10 | #2 Prime Kiln Dried Southern Yellow Pine Lumber | 0' - 4 1/4" |
| 12 | FJ3 | 2x10 | #2 Prime Kiln Dried Southern Yellow Pine Lumber | 0' - 4" |
| 2 | FJ4 | 2x10 | #2 Prime Kiln Dried Southern Yellow Pine Lumber | 2' - 6 1/2" |
| 2 | FJ5 | 2x10 | #2 Prime Kiln Dried Southern Yellow Pine Lumber | 9' - 0 1/4" |
| 16 | RB1 | 2x10 | #2 Prime Kiln Dried Southern Yellow Pine Lumber | 30' - 0 1/16" |
| 4 | RB2 | 2x10 | #2 Prime Kiln Dried Southern Yellow Pine Lumber | 9' - 11 1/2" |
| 4 | RB3 | 2x10 | #2 Prime Kiln Dried Southern Yellow Pine Lumber | 10' - 8 3/4" |
| 12 | RB4 | 2x10 | #2 Prime Kiln Dried Southern Yellow Pine Lumber | 30' - 0 1/16" |
| 92 | RJ1 | 2x10 | #2 Prime Kiln Dried Southern Yellow Pine Lumber | 10' - 8 3/4" |
| 92 | RJ2 | 2x10 | #2 Prime Kiln Dried Southern Yellow Pine Lumber | 9' - 11 1/2" |

Structural Column Schedule

| Count | Mark | Type | Structural Material | Length |
|-------|------|-------------|--|----------|
| 12 | CL1 | HSS3X3X3/16 | Steel ASTM A500, Grade B, Rectangular and Square | 10' - 4" |

Anchor Point Schedule

| Count | Mark | Description | Manufacturer | Model# |
|-------|------|--------------------|--------------|---------|
| 40 | AP-1 | U-Bolt Roof Anchor | DBI Sala | 2103671 |

Flooring Specs

| Key Name | Comments |
|-----------------|---|
| Perimeter: | Double Stud 2x10 #2 SYP (Equal or Better) All Around The Floor Module Perimeter |
| Floor Joist: | 2x10 #2 SYP (Equal or Better) @ 16" O.C. |
| Insulation: | R-30 Kraft-Faced Insulation |
| Bottom | Canvas 1.2 Mil Sheaty Bottom Board |
| Floor Decking: | Double Layer 3/4" T&G |
| Floor Covering: | Commercial Grade Vinyl Rolled Goods With Heat Welded Seams |
| | Vinyl Color To Be Menditone Sand Light |
| | Restroom, Breakroom, Storage, & Foyer To Have Welded Seam Poly Floor |
| Cover Base: | 4" Vinyl Cover Base |
| | Color To Be (Pewter) |
| | |
| | Glued (Full Contact) And Mechanically Fastened Together Per The P.E. CalCulations. |

Roof Framing

| Type | Description |
|--------------|--|
| Perimeter: | Double Stud 2x10 #2 SYP (Equal or Better) All Around The Roof Module Perimeter |
| Rafter Size: | 2x10 #2 SYP (Equal or Better) @ 16" O.C. |
| Insulation: | R-38 Un-Faced Insulation With Support Netting |
| Ceiling: | 2x4 T-Grid Suspended Ceiling With Celotex Tiles @ 8'-0" (Color: White, Armstrong Fine Fissured Second Look: 1761) |
| Ceiling: | 2x4 T-Grid Suspended Ceiling With Moisture Resistant Celotex Tiles @ 8'-0" (Color: White, Armstrong Fine Fissured Second Look: 1761) |
| Sheating: | Single Layer 1/2" CDX Roof Decking (Equal or Better) |
| Roofing: | OSB FR Adhesive And 0.45 White EPDM With 1/2" CDX Decking |
| Notes: | Mule Hide (FR Adhesive) "CCRR-1078" Report, The FR ADHESIVE Is An Acrylic Water-Based Bonding Adhesive For Adhering, "EPDM" Memberance Directly To Plywood Substrate Roof Systems. |

Exterior Finish

| Type | Descriptions |
|-------------------|---|
| Framing: | 2x6 #2SYP(Equal or Better) @ 16" O.C., R-21 Kraft-Faced Insulation, w/ Double 2x6 #2SYP(Equal or Better) Top Plate & Single 2x6 #2SYP(Equal or Better) Bottom Plate. Exterior Side (Sheating 7/16"CDX, w/Weyerhaeuser Building Wrap) Interior Side (5/8" Type"X"Vinyl Covered Gyp, 4" Vinyl Cove Base, FRP 48"AFF To Restroom Walls) (Unless Otherwise Noted) |
| Wall Sheating: | Weyerhaeuser Building Wrap To Be Over 7/16" CDX Entire Perimeter |
| Insulation: | R-21 Kraft Face Insulation Between Stud |
| Siding Type: | 26 Gauge Galvanized Low Rib X Panel Steel Siding |
| | 26 Gauge (Commodity) Painted High Rib Siding With Trim |
| | 26 Gauge Painted High Rib Skirting Vented Every 3rd Panel |
| | Siding Body Color (Steel Grey On Lower Half / Bone White On Top Half) (Worldwind) |
| | Comer Trim Color (Steel Grey On Lower Half / Bone White On Top Half) |
| | Exterior Door Trim Color (Bright White) |
| | Exterior Window Trim Color (Polar White) |
| | Bottom Horizontal Trim Color (Steel Grey) |
| | Top Horizontal Trim Color (Steel Grey) |
| | Exterior Trim Band Color (Atco Yellow) |
| Side Wall Height: | See Cross Section Heights |
| Skirting: | Color To Be (Steel Grey) |

Interior Wall Specs

| Type | Description |
|----------------|--|
| Framing: | Standard Wall (2x4 or 2x6) #2 SYP (Equal or Better) @ 16" O.C., R-11 Un-Faced Insulation To Partition, W/ Double (2x4 or 2x6) #2 SYP (Equal or Better) Top Plate And Single (2x4 or 2x6) #2 SYP (Equal or Better) Bottom Plate, (With 5/8" Type "X" Vinyl Covered Gypsum Both Side) |
| | Mateline Wall (2x4 or 2x6) #2 SYP (Equal or Better) @ 16" O.C., R-11 Un-Faced Insulation To Partition, W/ Double (2x4 or 2x6) #2 SYP (Equal or Better) Top Plate And Single (2x4 or 2x6) #2 SYP (Equal or Better) Bottom Plate, (With 5/8" Type "X" Vinyl Covered Gypsum Both Side) |
| | Full Height Wall - (2x4 or 2x6) #2 SYP (Equal or Better) @ 16" O.C., R-11 Un-Faced Insulation To Partition, W/ Double (2x4 or 2x6) #2 SYP (Equal or Better) Top Plate And Single (2x4 or 2x6) #2 SYP (Equal or Better) Bottom Plate, (With 5/8" Type "X" Vinyl Covered Gypsum Both Side, 4" Vinyl Cove Base, FRP 48" A.F.F. To Restroom Walls) |
| Wall Covering: | 5/8" Type "X" Vinyl Covered Gypsum |
| | Color To Be Ruff Frost |
| | Covering Height 8'-1" |
| Insulation: | R-11 Un-Faced Insulation |
| Base Trim: | 4" Vinyl Cover Base |
| | Color To Be (Pewter) |

Door Schedule

9423

| Count | Mark | Door Swing | Description | Door Color | Jamb Extension/ Interior Casing Color | Rough Height | Rough Width |
|-------|------|------------|--|--------------|--|--------------|-------------|
| 2 | D1 | | Exterior Door 36"x80" (U-Factors: 0.38), Commercial Steel Door W/ Vision Panel 6"x30", Entry Door Lever and Single Cylinder Deadbolt Combo Pack & Door Closer. (Ref: 06/S4.02 For Framing Dtls.) | Bright White | Stone Gray | 6' - 9 1/8" | 3' - 1 1/2" |
| 1 | D2 | RH | 36" x 80" Tell Door: Pre-Finished Solid Core With Steel Frame, 3 Hinges, Privacy Lever Latch Set | Linear Ash | Stone Gray | 6' - 10 1/2" | 3' - 2" |
| 1 | D3 | RH | 36" x 80" Tell Door: Pre-Finished Solid Core With Steel Frame, 3 Hinges, Privacy Lever Latch Set | Linear Ash | Stone Gray | 6' - 10 1/2" | 3' - 2" |
| 3 | D4 | RH | 36" x 80" Tell Door: Pre-Finished Solid Core With Steel Frame, 3 Hinges, Privacy Lever Latch Set | Linear Ash | Stone Gray | 6' - 10 1/2" | 3' - 2" |

Window Schedules

| Count | Mark | Description | Exterior Trim Color | Jamb Extension/ Interior Casing Color | Rough Height | Rough Width |
|-------|------|--|---------------------|--|--------------|-------------|
| 8 | W1 | White Vinyl 48" x 48" V.S. (U Factor: 0.30 ,SHGC: 0.23), Insulated Low E With Argon, With Vinyl Mini Blinds (Color: White Vinyl) (Ref: 05/S4.02 For Framing Dtls.) | Polar-White | Ruff Stuff Frost | 4' - 0" | 4' - 0" |

Furniture /Accessories Schedule

| Count | Mark | Description | Manufacturer | Model |
|-------|-------|---|----------------------------------|--------------|
| 2 | ACC-1 | Handicap Grab Bars 36" | Bradley Corporation | B-5806-36 |
| 2 | ACC-2 | Handicap Grab Bars 42" | Bradley Corporation | B5806-42 |
| 2 | ACC-3 | Handicap Grab Bars 18" | Bradley Corporation | B-5806-18 |
| 2 | ACC-4 | Toilet Tissue Holder Single Roll | Bobrick Washroom Equipment, Inc. | B-685 |
| 3 | ACC-5 | Glass Mirror with Stainless Steel Angle Frame | Bobrick Washroom Equipment, Inc. | B-165 Series |

Cabinet Schedule

| Count | Mark | Description | Color | Width | Height | Depth |
|-------|------------|--|------------|---------|-------------|-------------|
| 2 | Base ADA-1 | ADA Cab: ADA Cab | Linear Ash | 2' - 0" | 2' - 8 1/2" | 3' - 1 1/2" |
| 6 | Base-1 | Base Cabinet-Double Door & 2 Drawer: 36" | Linear Ash | 3' - 0" | 2' - 8 1/2" | 2' - 0" |
| 7 | Base-2 | Base Cabinet-Double Door & 2 Drawer: 30" | Linear Ash | 2' - 6" | 2' - 8 1/2" | 2' - 0" |
| 6 | Upper-1 | Upper Cabinet-Double Door-Wall: 30" | Linear Ash | 2' - 6" | 2' - 0" | 1' - 0" |

Countertop Schedule

| Count | Mark | Description | Color | Length | Depth |
|-------|------|---|---------------|--------------|---------|
| 2 | C-1 | ADA Lavatory Countertop with Side Backsplash and one sink hole: ADA Lavatory Countertop with one sink | Cosmic Strand | 3' - 0" | 2' - 0" |
| 1 | C-2 | ADA Lavatory Countertop with Side Backsplash and one sink hole: ADA Lavatory Countertop with one sink | Cosmic Strand | 2' - 6" | 2' - 0" |
| 2 | C-3 | Counter Top w Sink Hole: Counter Top w Sink Hole | Cosmic Strand | 10' - 9 1/2" | 2' - 1" |
| 1 | C-4 | Counter Top: 24" Depth | Cosmic Strand | 11' - 7 1/2" | 2' - 1" |
| 1 | C-5 | Counter Top: 24" Depth | Cosmic Strand | 9' - 1 1/2" | 2' - 1" |
| 1 | C-6 | Counter Top-L Shaped: 24" Depth | Cosmic Strand | | 2' - 1" |



Houston

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Pocattello

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Phone: (208) 242-3804



By Yuri at 8:25:29 AM, 2/26/2020

(Structural Aspects Only)

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Design By: G. Arizmendez

Project Name:

ATCO Denver
Branch Buildings

Project Number:

96006

Drawing Title:

MEP Schedules &
Notes

Sheet Number:

G0.02

| Plumbing General Note | |
|-----------------------|--|
| 1 | Required Plumbing Fixtures Are ADA Compliant. |
| 2 | All Valves, Unions, Etc. To Be Same Size As Line Size Unless Noted Otherwise. |
| 3 | All Waste And Vent Piping To Be Sloped At 1/8" Per Foot Unless Noted Otherwise. |
| 4 | All Required Cleanouts Shall Be Installed As Per The International Plumbing Code. |
| 5 | Each Plumbing Vent Shall Terminate Above Roof And Not Less Than Ten (10) Feet From Or At Least Three (3) Feet Above Any Window, Door, Opening, Air Intake. |
| 6 | All Drainage To Be Concealed Where Possible |
| 7 | All Cold & Hot Water Piping To Be Insulated. |
| 8 | All Drainage PVC & Pex Pipe Stubbed To Underside Of Structural Floor W/ Multiple Drops For Site Connection, Harness & Insulation, By Others |
| 9 | All Dimension Is From Center Of The Pipe To The Edge of Mateline or Column Lines |
| 10 | Contractor To Coordinated With Our Sanitary & Water Inlet Penetrations |
| 11 | All Drainage Lines & Fittings To Be PVC. Unless Noted Otherwise |

| Plumbing Specifications | |
|--|--|
| 1. Water: Type "PEX" | |
| 2. Vent: PVC, SCH 40 | |
| 3. Waste: PVC, SCH 40, Multiple Discharge Points, External "Manifolds By Others" | |

| Module "A1" Plumbing Fixture Schedule | | | | |
|---------------------------------------|--------|---|-----------------|-------------------|
| Count | Mark | Description | Manufacturer | Model |
| 5 | EWB-1 | Eemax Water Heater 2.4KW, 120 Volt, 30 Amp, Electric Tankless, Single Use Fixtures, (or Equal) | Eemax Inc. | SP2412 |
| 3 | FCT-1 | 4" Two Handle Lavatory Faucet, Brushed Nickel Finish, (or Equal) | Matco Norca | P4B-450BNWJP |
| 2 | FCT-2 | Kitchen Sink Faucet- 2 Metal Lever Handles, Ceramic Cartridges, Goose Neck Spout, Chrome, With Matching Spray, 4 Hole Installation (or Equal) | Matco Norca | P4B-250SS |
| 1 | FM-1 | Urinal Flusmeter Valve Left Hand (or Equal) | SLOAN | Regal 186- 1.0 XL |
| 1 | IB-1 | Valve Box Flush Mounted For Water Inlet Shut Off Valve (16"x16") | Cendrex | BTA |
| 2 | IMB-1 | Ice Maker Outlet Box (or Equal) | Oatey | 38572 |
| 3 | LAV-1 | 20-1/4" x 17-1/4" Oval Drop-In Lavatory, Color Finish White, 3 Hole Installation, (or Equal) | Western Pottery | L172 |
| 2 | SNK-1 | Double Bowl - 8" Bowl Depth, 3 Holes For Faucet, Top Mounted Installation (or Equal) | Dayton Elite | DSE-23322-3 |
| 1 | URNL-1 | Urinal - Wall Hung, Color Finish White, With 3/4" Flush Valve (Re FM-1) (or Equal) | Kohler | 5016-ET |
| 2 | WC-1 | Maxwell 1.28 GPF 12" Rough-In, Two-Piece Elongated Ergo Height Toilet, Color Finish White, Right Hand Tank, (or Equal) | Gerber Plumbing | 21-918 |
| 1 | WC-2 | Maxwell 1.28 GPF 12" Rough-In, Two-Piece Elongated Ergo Height Toilet, Color Finish White, (or Equal) | Gerber Plumbing | 21-918 |

| Electrical General Notes | |
|--------------------------|--|
| 1 | All Wall Mounted Switches Mounted 42" A.F.F. Unless Noted Otherwise |
| 2 | All Wall Mounted Convenience Receptacle Mounted @ 18" A.F.F. Unless Noted Otherwise. |
| 3 | Wiring Method To Be MC Cable, Copper, Minimim #12 AWG, 600v, THHN, Unless Otherwise Noted. |
| 4 | Interior Raceway: Type MC To Flush Mount Equipment & Type EMT (Min 3/4") To Surface Mount Equipment. |
| 5 | Exterior Raceway: Type RMC (Min 3/4"), And Type FNC For The HVAC Units |
| 6 | HVAC (W/ Internal Disconnect) Wiring - (2) -#6 Wire Size For Hot & #10 Wire Size For Ground |
| 7 | Water Heater - 4.5 KW- 120V, 30Amp -Wiring Size #10 AWG |
| 8 | Network To Be Provided & Installed By Client. |
| 9 | Tele/ Data Outlets Are To Have A 1" Flex Conduit Stubbed Up Into The Ceiling Space. Unless Noted Otherwise |
| 10 | Blank Spaces In Panel May Be Omitted To Make Use Of Smaller Panels. Breaker Size and Quality Shall Remain The Same |
| 11 | All Emt Conduit To Contain An Insulated Ground Conductor Sized As Required By N.E.C. ; Minimum #14 AWG |
| 12 | Tamper Resistant Receptacles Shall Be Installed Per N.E.C. |
| 13 | Electrical Installation Shall Be Compliance With N.E.C. |

| Electrical Receptacle | | | | |
|-----------------------|---------|---|--------------|-----------|
| Count | Mark | Description | Manufacturer | Model |
| 11 | REC-F | Receptacle,: Receptacle, Duplex (Floor Mounted), 120VAC, 20A, W/ White Cover Plate | Legrand | TR20W |
| 3 | GFCI-WR | Receptacle.: General Purpose outdoor 120V, 20A, Nema 5-20R, W/ In - Use, Cover Plate | Legrand | 2097TRWRW |
| 26 | REC | Receptacle: Duplex Indoor (Convenience) NEMA 5-20R, 120VAC, 20A, Duplex With White Cover Plate | Legrand | TR20W |
| 7 | GFCI | Receptacle: GFCI Above Counter Receptacle- NEMA 5-20R, 120 VOLT, 20 AMP, GFCI Duplex with White Cover Plate | Legrand | 2097TRWRW |
| 2 | GFCI-MW | Receptacle: GFCI Microwave Above Counter Receptacle- NEMA 5-20R, 120 VOLT, 20 AMP, GFCI Duplex with White Cover Plate | Legrand | 2097TRWRW |
| 2 | REC-REF | Receptacle: Refrigerator Receptacle-Indoor (Convenience) NEMA 5-20R, 120VAC, 20A, With White Cover Plate | Legrand | TR20W |

| Electrical Switches | | | | |
|---------------------|------|---|--------------|--------------|
| Count | Type | Description | Manufacturer | Model |
| 18 | OS | Occupancy Sensor Passive Infrared, 120VAC, 800W, With White Cover Plate, Ceiling Mounted | Lutron | LRF20CR2BPWH |
| 3 | PP | PowPak Diming Module, Is Designed To Operate LED Drivers Or 010V Controlled Fluorescent Ballasts. | Lutron | RMJ-S8T-DV-B |

| Electrical Equipment Schedule | | | | |
|-------------------------------|--------------|--|-------------------|------------|
| Count | Mark | Description | Manufacturer | Model# |
| 1 | HVAC Disc-.2 | HVAC External Disconnect: 120/240 Vac 1Ph 3W - Fusible - 2P - 100A - Neutral - NEMA 3 | Eaton Corporation | DG222NRB |
| 1 | HVAC Disc-.4 | HVAC External Disconnect: 120/240 Vac 1Ph 3W - Fusible - 2P - 100A - Neutral - NEMA 3 | Eaton Corporation | DG222NRB |
| 1 | LV-1 | Panelboard - Square D - Lighting - NQ: 120/240 Vac 1Ph 3W 60Hz - MCB - 200 - Aluminum - NEMA 1 | Eaton Corporation | BR2040B200 |
| 1 | LV-4 | Panelboard - Square D - Lighting - NQ: 120/240 Vac 1Ph 3W 60Hz - MCB - 200 - Aluminum - NEMA 1 | Eaton Corporation | BR3030B150 |

| Electrical Lighting Fixture Schedule | | | | |
|--------------------------------------|--|--|------------------|-----------------------|
| Count | Description | | Manufacturer | Model |
| 4 | Exterior Light W/ Photocell Control Build In, 120VAC, 18.47W, LED, Suitable For Installation In A General Purpose Area/Decorative LED AC/Emergency Light | | Compass Lighting | CUWZ-HTR-PC |
| 5 | Interior 2'x4', LED, 120VAC, 40W, Electronic Drivers And Acrylic DiffuserW/ Emergency Battery Pack | | ASD-Lighting | ASD-ELP02-24D4040-STD |
| 10 | Interior LED 2'x2', 120VAC, 27W, Electronic Drivers And Acrylic Diffuser, COOPER METALUX | | ASD-Lighting | ASD-ELP02-22D2740-STD |
| 14 | Interior LED 2'x4', 120VAC, 40W, Electronic Drivers And Acrylic Diffuser | | ASD-Lighting | ASD-ELP02-24D4040-STD |
| 4 | White Finish, Combination Exit/Emergency Light, Universal Face, Red Letters, Remote Capacity, NiMH Batt., CEC T20 Compliant | | Hubbell Lighting | CCRRC |

| Mechanical Generals Notes | | | | | | | | | |
|---------------------------|---|--|--|--|--|--|--|--|--|
| 1 | Friction Loss Calculations Are Based On 0.10 Inch Of Water Column Per 100Ft. Of Duct Length In The Supply Air Duct. | | | | | | | | |
| 2 | Sheet Metal Duct Sizes Are Inside Dimensions. All Interior Ductwork To Have 2" Thick R-8 External Fiberglass Duct Wrap With FSK Foil Facing. Duct Connection To Be Ductmate Connection. | | | | | | | | |
| 3 | All Exhaust Duct To Be Rigid Sheet Metal. Install Sound Insulataion, AP Coifflex Duct Liner, 1" Thick Sound Insulation | | | | | | | | |
| 4 | All Grilles/Diffusers Shall Have anual Volume Dampers At The Main Duct Trunk For Balancing. | | | | | | | | |
| 5 | All Branches Shall Have Manual Balancing Dampers At The Tie-In Point Of Main Trunk Duct. | | | | | | | | |
| 6 | Turning Vanes Shall Be Installed In All Rectangular Elbows. | | | | | | | | |
| 7 | Install Sound Insulation, AP Coifflex Duct Liner, 1" Thick Sound Insulation On Interior Of Plenum Wall At A/C Unit. | | | | | | | | |
| 8 | 24"x24" Lay In Aluminum, White Return Air Ceiling Deiffuser | | | | | | | | |
| 9 | 24"x24" Lay In Aluminum, White Supply Air Ceiling Deiffuser With Flexible Duct Connection | | | | | | | | |
| 10 | Ceiling Mounted Exhaust Grille, 8" Ø Rigid Round Duct Connected And Vented To Exterior Wall Hood. | | | | | | | | |

| Air Conditioning Unit Schedule | | | | | | | | | | | |
|--------------------------------|--------------|-----------|------------------|------------------|---------------|------------------|------------------|----------------------|---------------------|------------|--|
| Mark | Manufacturer | Model | Mounted Location | Cooling Capacity | | Electric Heating | Electrical Power | | | Thermostat | Remarks |
| | | | | Total BTUH | Sensible BTUH | Kw | Voltage | Minimum Circuit Amps | Breaker Size (MOCP) | | |
| HVAC-1 | Bard | W48A2-A15 | Module "A" | 46,000 | 26,250 | 15 Kw | 230-1-60 | 84A | 90A | SC2001L | End Mount Unit W/ 100A External Disconnect |
| HVAC-2 | Bard | W48A2-A15 | Module "B" | 46,000 | 26,250 | 15 Kw | 230-1-60 | 84A | 90A | SC2001L | End Mount Unit W/ 100A External Disconnect |

| Mechanical Supply, Return & Exhaust Diffuser, Grille And Register Schedule | | | | | |
|--|------|---|------|---------------|---------------|
| Count | Mark | Description | Size | Manufacturer | Model |
| 14 | RD | Return Grille: 24"x24" (Perforated Lay-In) | 8ø | Hart & Cooley | Atco Standard |
| 23 | SD | Supply Diffuser: 24"x24" (4-Way Lay-In Adjustable Damper) | 8ø | Hart & Cooley | 8FPD3 |

| Mechanical Exhaust Fan Schedule | | | | | |
|---------------------------------|------|---|---------|--------------|-------|
| Count | Mark | Description | Flow | Manufacturer | Model |
| 3 | EF-1 | 180 CFM Wall Mounted Exhaust Fan Ventilator | 180 CFM | Broan | 509S |

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| Callouts | |
|----------|--------------------|
| | Exterior Elevation |
| | Enlarged Detail |
| | Building Section |
| | Interior Elevation |
| | Door Callout |
| | Accessory Callout |
| | Window Callout |
| | Supply Callout |
| | Return Callout |
| | Duct Penetration |

| Mechanical | |
|------------|--------------|
| | Exhaust Fan |
| | Supply Grill |
| | Return Grill |
| | Door Callout |

| Electrical | |
|------------|---|
| | External Disconnect |
| | Load Panelboard |
| | 2 x 4 LED Light Fixture |
| | 2 x 2 LED Light Fixture |
| | 2 x 4 LED Light Fixture, With Battery BackUp |
| | 2 x 2 LED Light Fixture, With Battery BackUp |
| | Occupancy Sensor |
| | Photocell, Weather Proof |
| | Junction Box |
| | Emergency Combo Light |
| | Single Pole Switch |
| | Three Way Switch |
| | Four Way Switch |
| | Occupancy Sensor Switch |
| | Duplex Receptacle |
| | GFCI Receptacle |
| | Teledata Outlet Box |

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(Structural Aspects Only)

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Design By: G. Arizmendez

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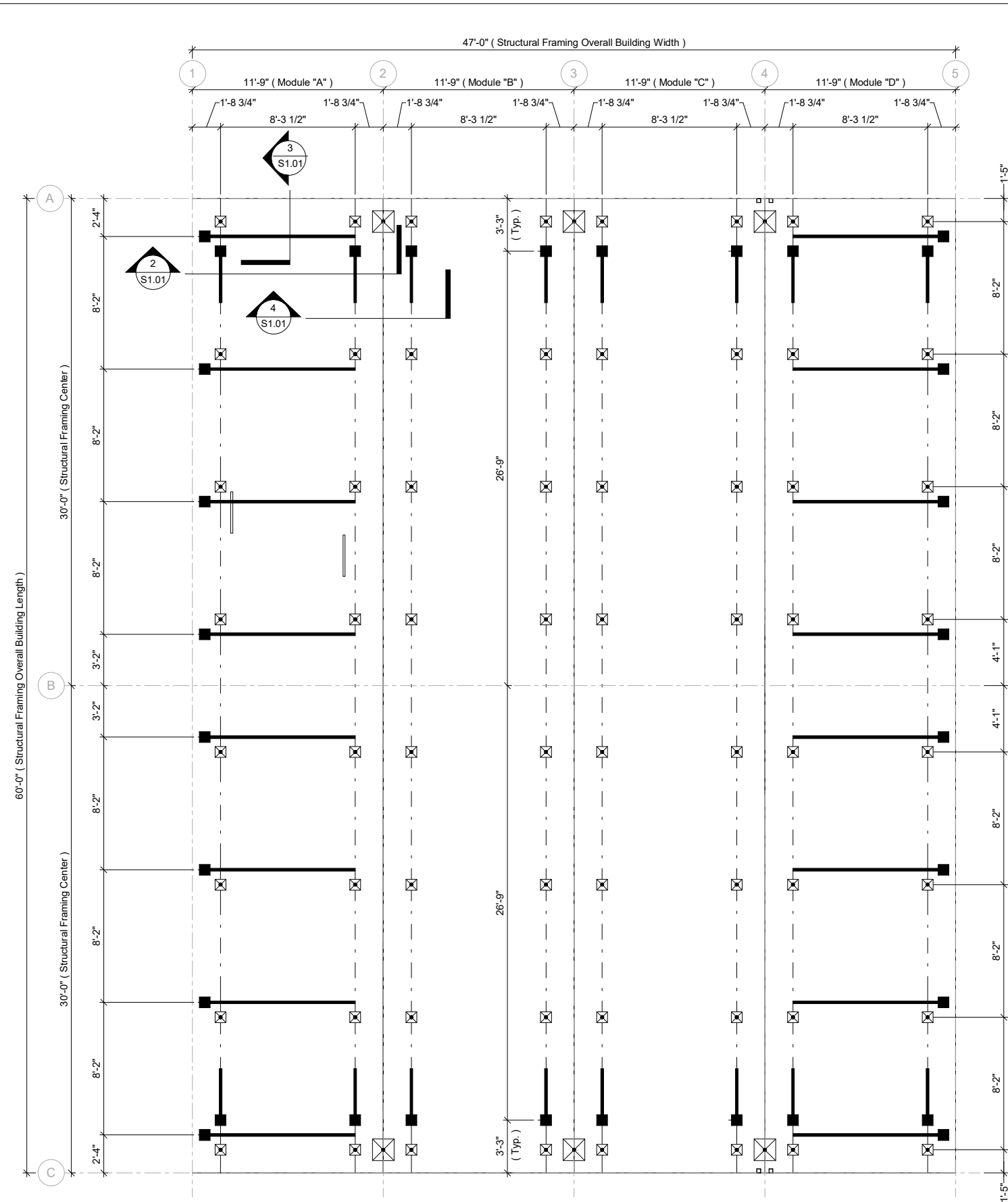
96006

Drawing Title:

Legends

Sheet Number:

G2.01



| Foundation General Notes | | Legend | |
|--------------------------|---|--------|-----------------------------------|
| 1 | Foundation Design Is Based Upon An Assumed Soil Bearing Capacity Of 2500 PSF. Site Specific Soil Conditions Are To Be Verified By Owner Or Owner's Agent. | | Steel Jack Stand 10 KIPS Capacity |
| 2 | Concrete Shall Have A Minimum Compressive Strength Of 3000 PSI @ 28 Days. | | |
| 3 | All Reinforcing Steel Shall Have A Minimum Yield Strength Of 60 KSI (Fy=60,000 PSI) | | Steel Jack Stand 12 KIPS Capacity |
| 4 | All Anchoring Components Shall Be Manufactured By Tie-Down Engineering And Shall Have A Load Limit Per Detail | | |
| 5 | All Support Stands Shall Have A Minimum Working Load Capacity Per Details | | |

1 Structural Blocking & Tie Down Layout
1/8" = 1'-0"

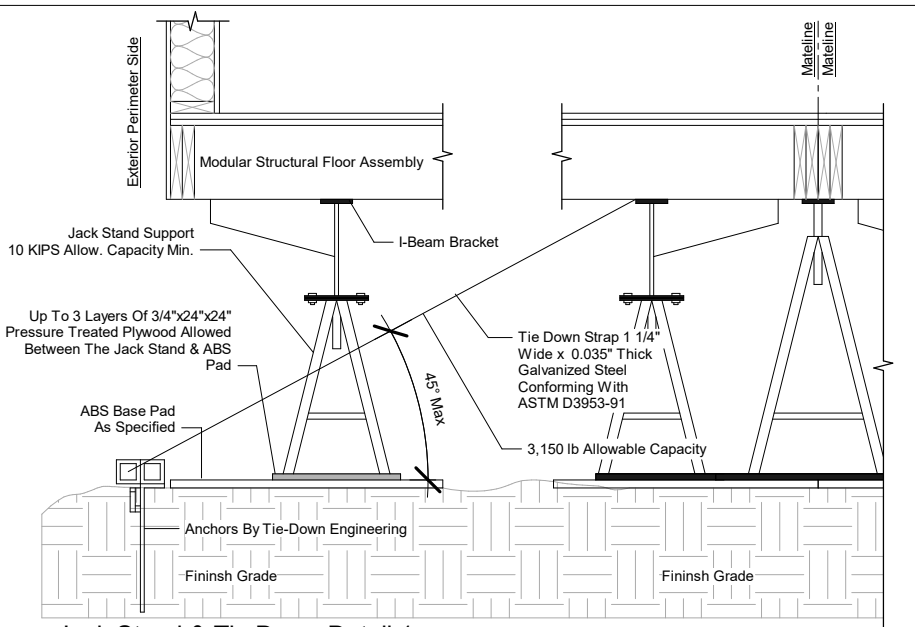
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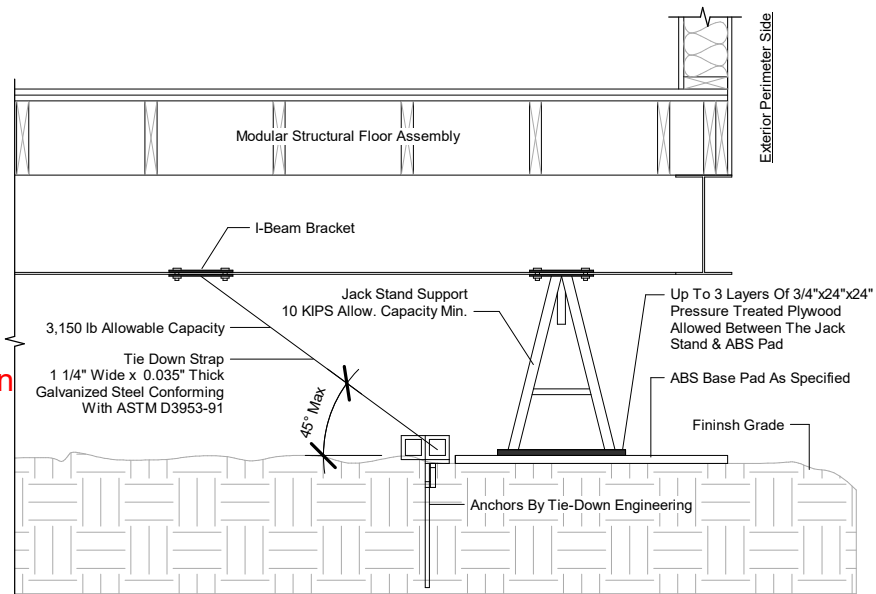


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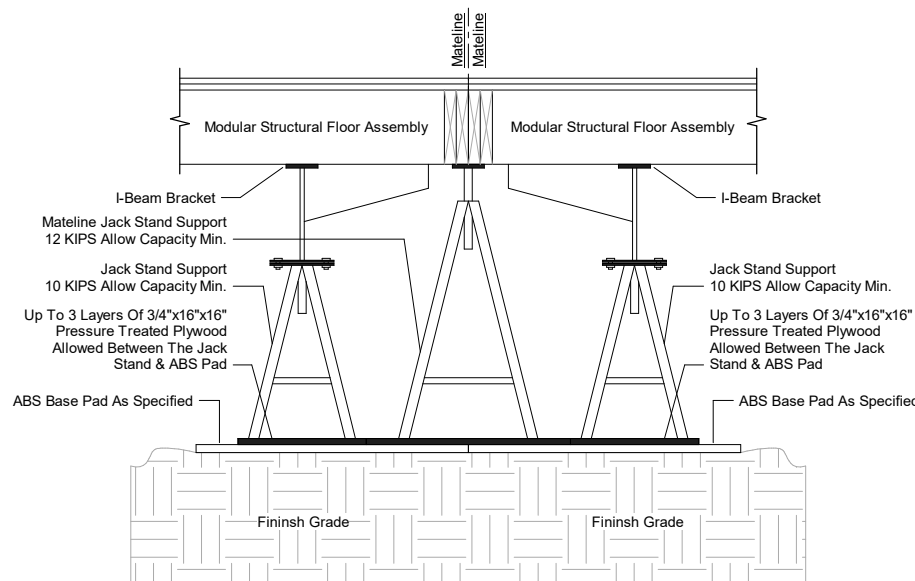
9423



2 Jack Stand & Tie Down Detail 1
1/2" = 1'-0"



3 Jack Stand & Tie Down Detail 2
1/2" = 1'-0"



4 Mateline Jack Stand & Tie Down Detail 3
1/2" = 1'-0"

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96006

Drawing Title:

Suggested Tie-Down
Anchors & Blocking

Sheet Number:

S1.01

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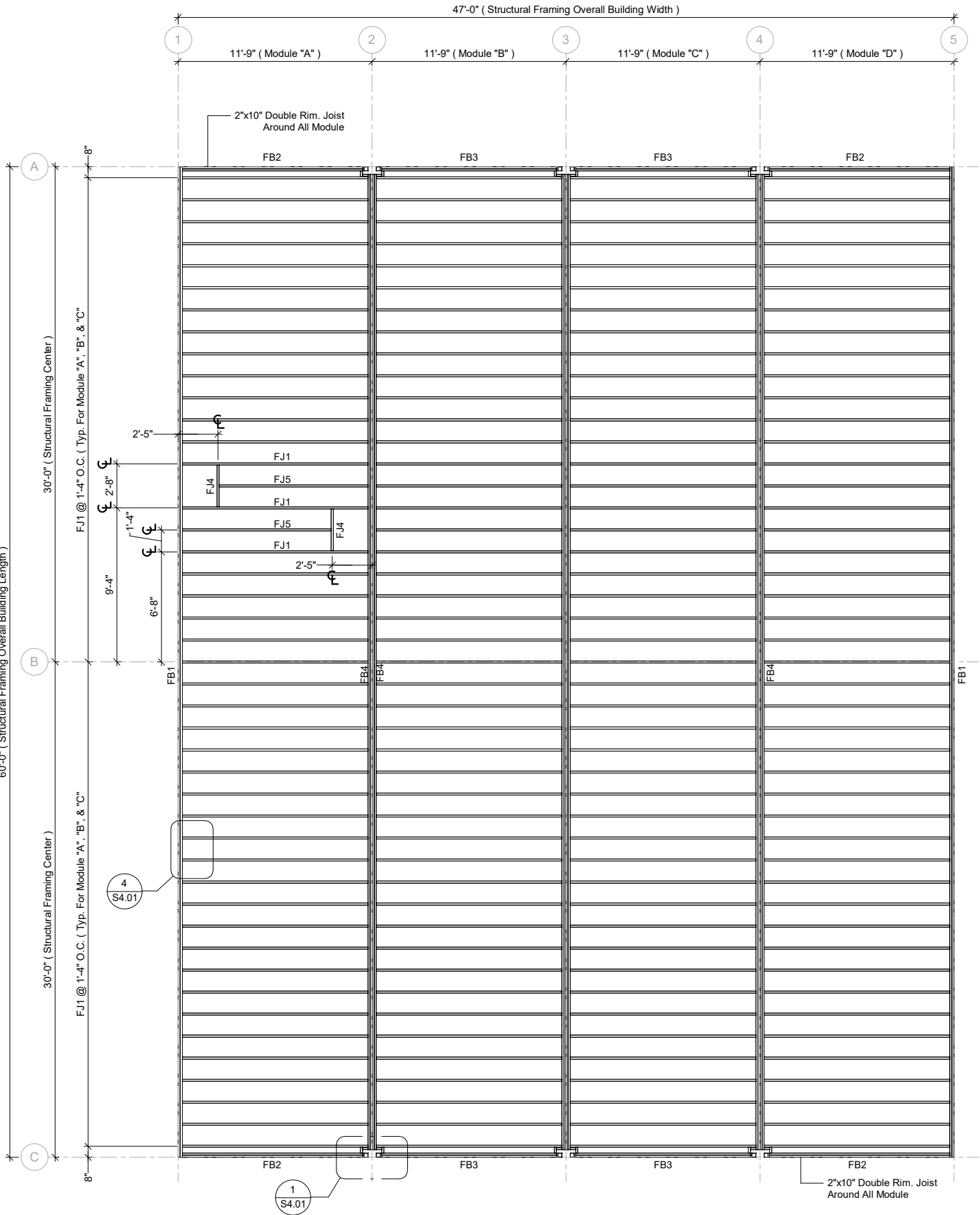
Project Date: 02/10/20
Design By: G. Arizmendez

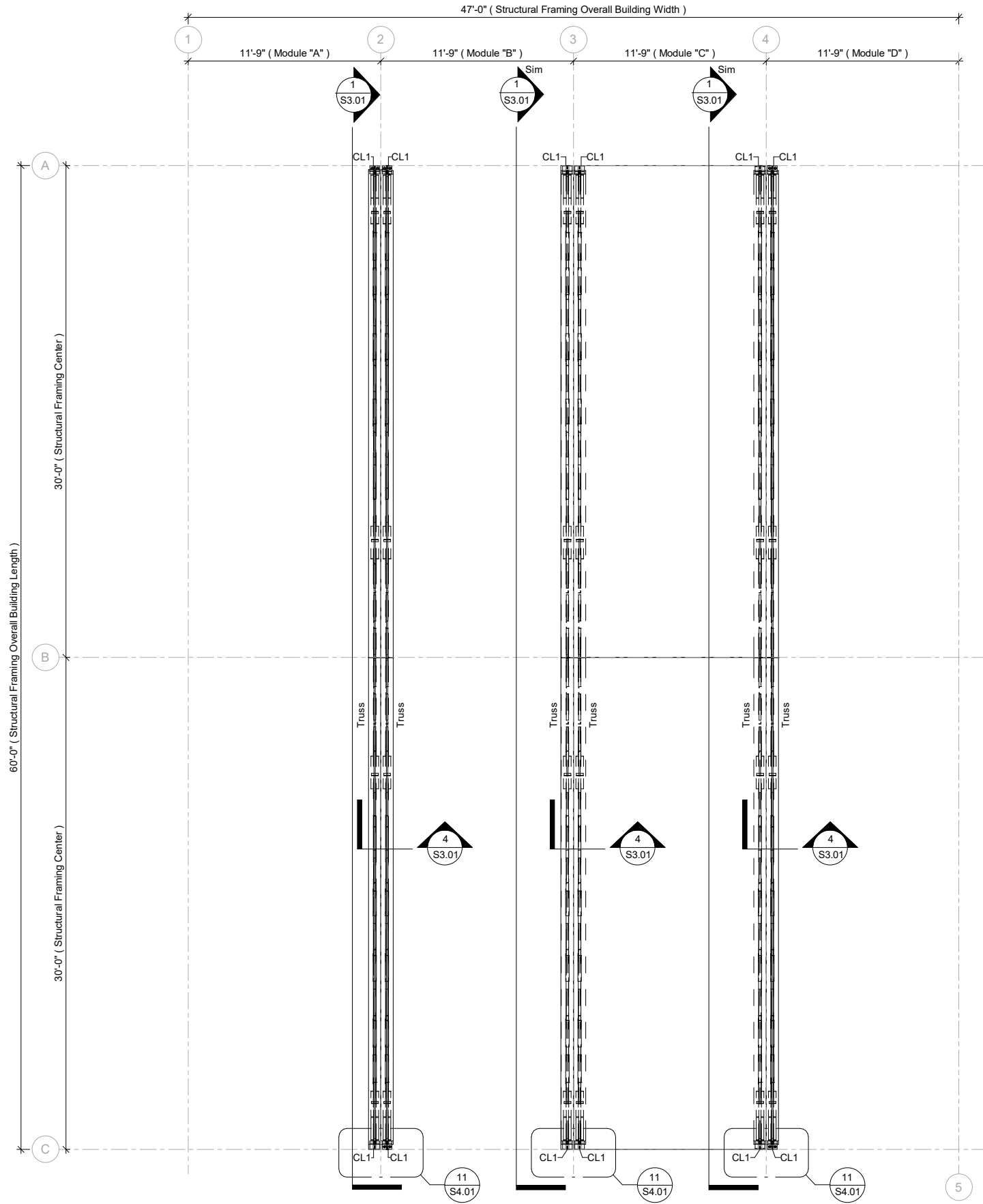
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Drawing Title:
Structural Floor
Framing Layout

Sheet Number:





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Project Date: 02/10/20

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Project Name:

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Drawing Title:

Structural Column &
Truss Layout

Sheet Number:

S1.03

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Drawing Title:
Structural Roof
Framing Layout

Sheet Number:

S1.04

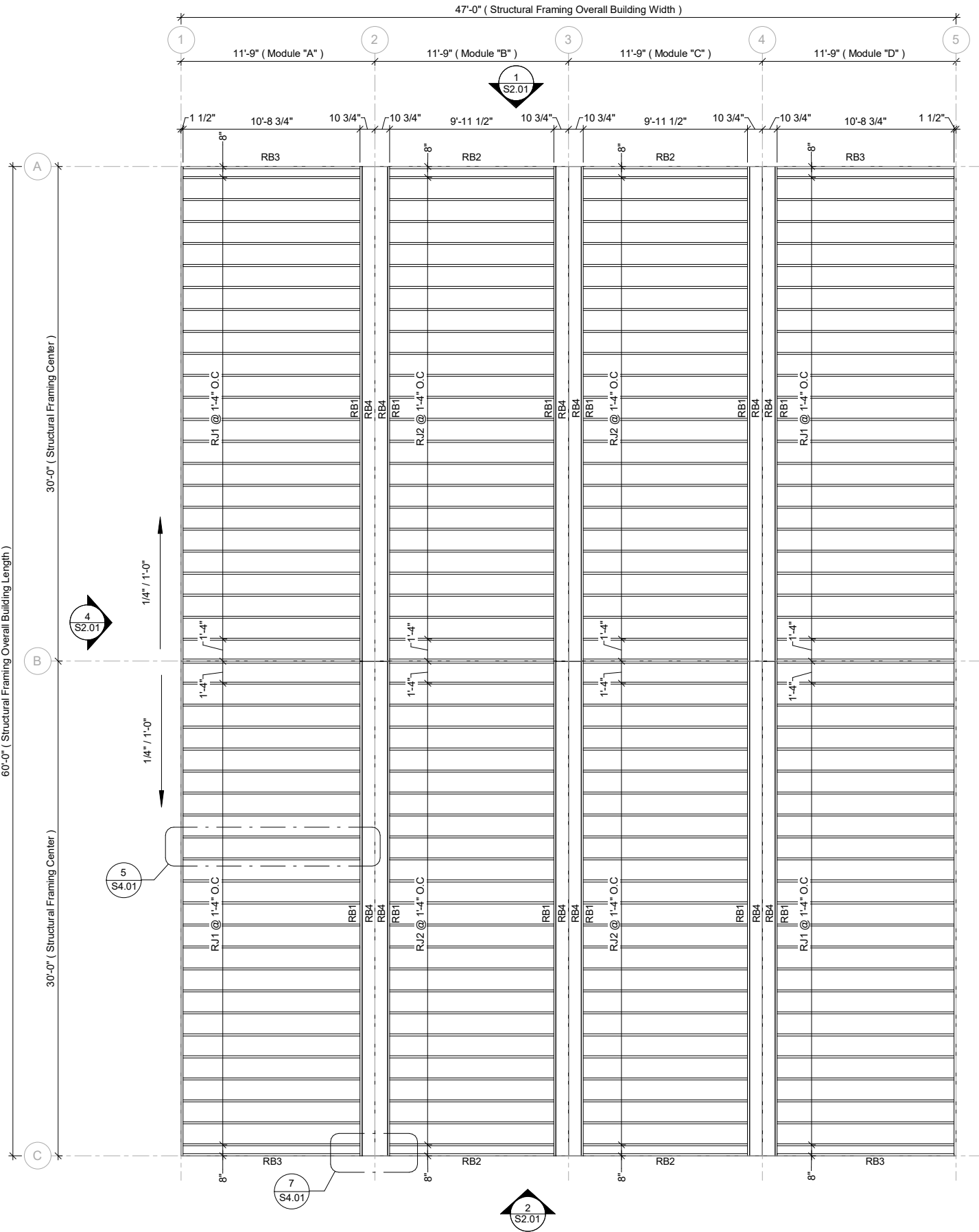
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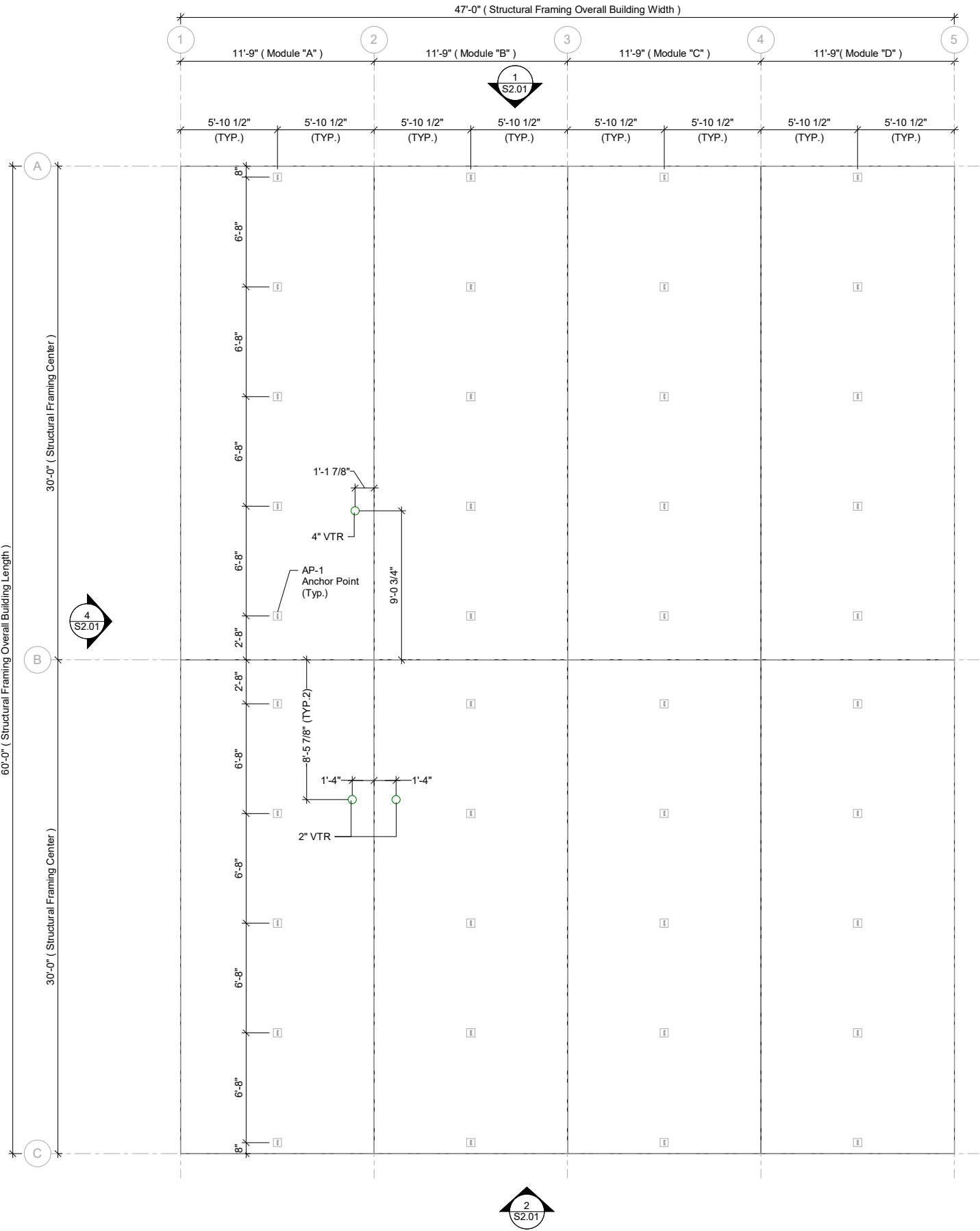
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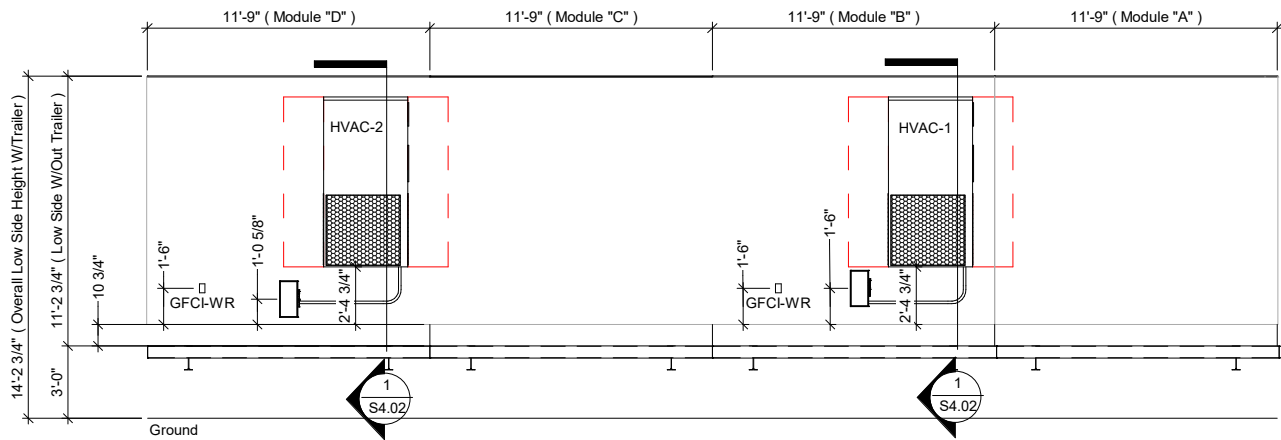
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Drawing Title:

Structural Roof
Finish Layout

Sheet Number:

S1.05



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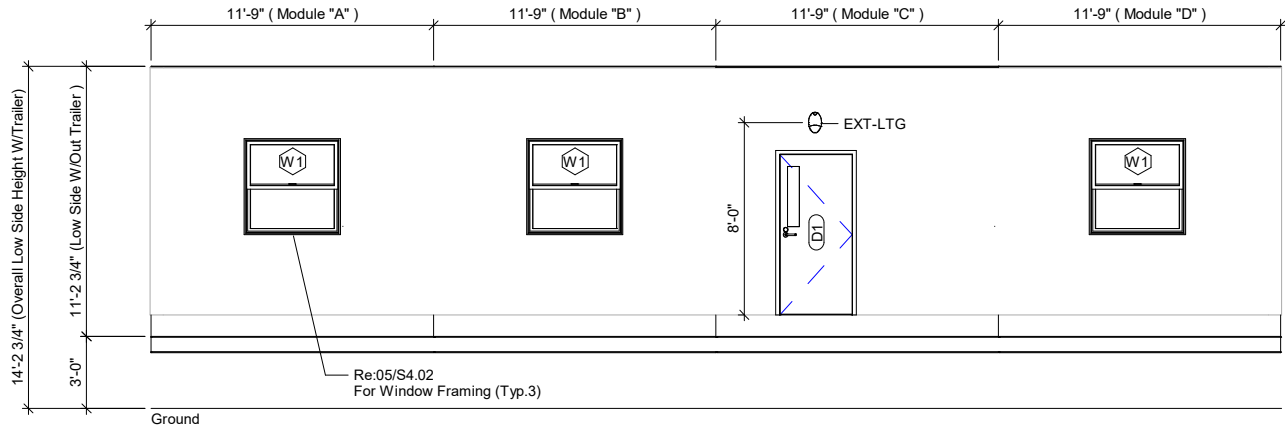


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Notes:
- Reference Page G0.01 , & G0.02 Schedules

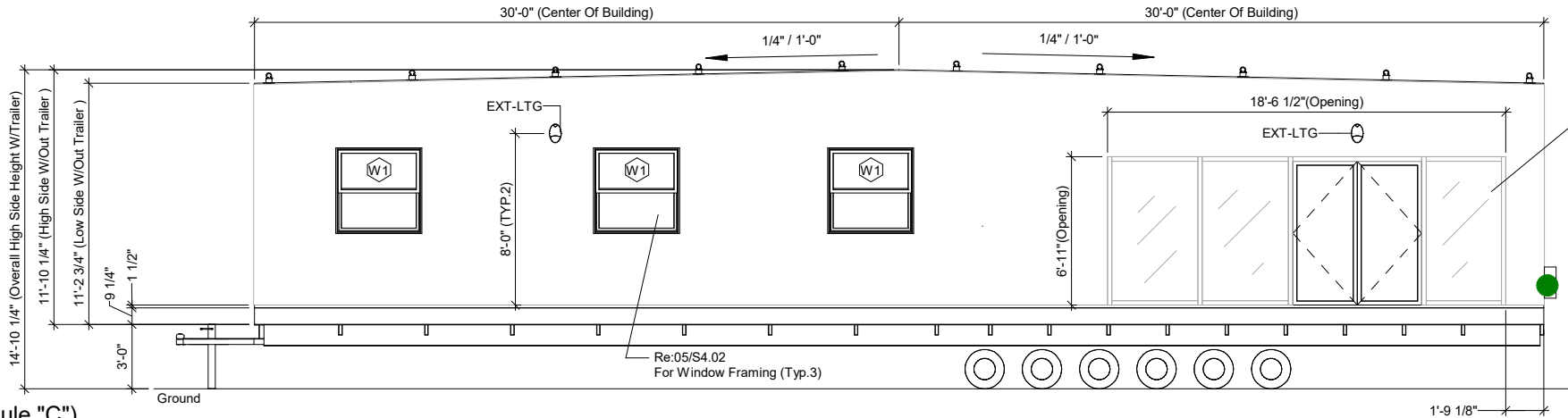
9423

1 Exterior Elevation North
1/8" = 1'-0"



Notes:
- Reference Page G0.01 , & G0.02 Schedules

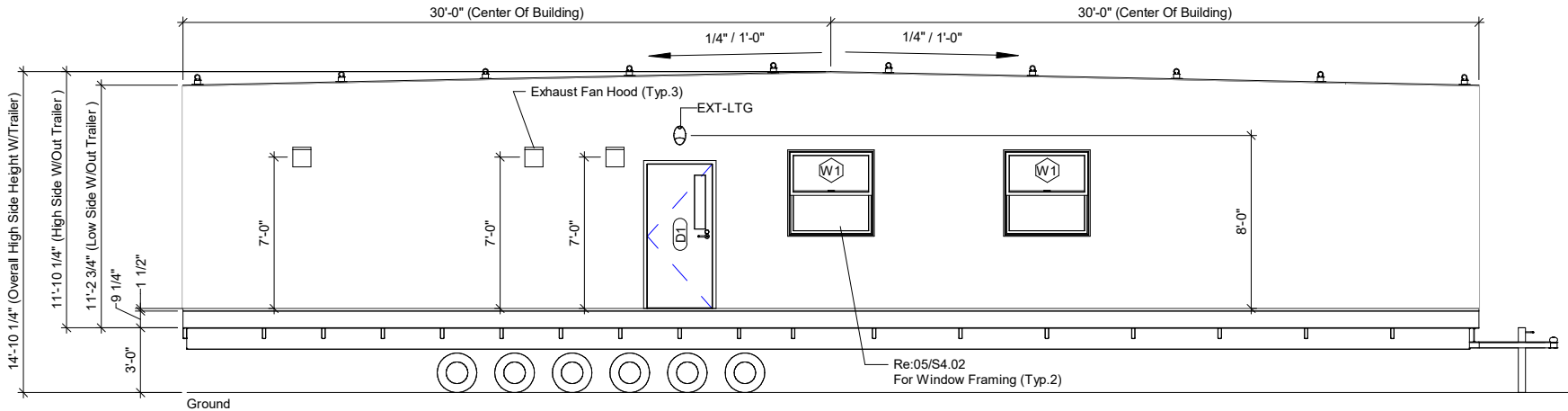
2 Exterior Elevation South
1/8" = 1'-0"



- Storefront Opening Should Have Temporary Support For Shipping
- Support To Be Removable By Others In Site
- Storefront Double Door To Be 6080 By Others (Install In Site)
- Windows To Be By Others (Install in Site)

Notes:
- Reference Page G0.01 , & G0.02 Schedules

3 Exterior Elevation East (Module "C")
1/8" = 1'-0"



Notes:
- Reference Page G0.01 , & G0.02 Schedules

4 Exterior Elevation West (Module "A")
1/8" = 1'-0"



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Drawing Title:

Exterior Elevations

Sheet Number:

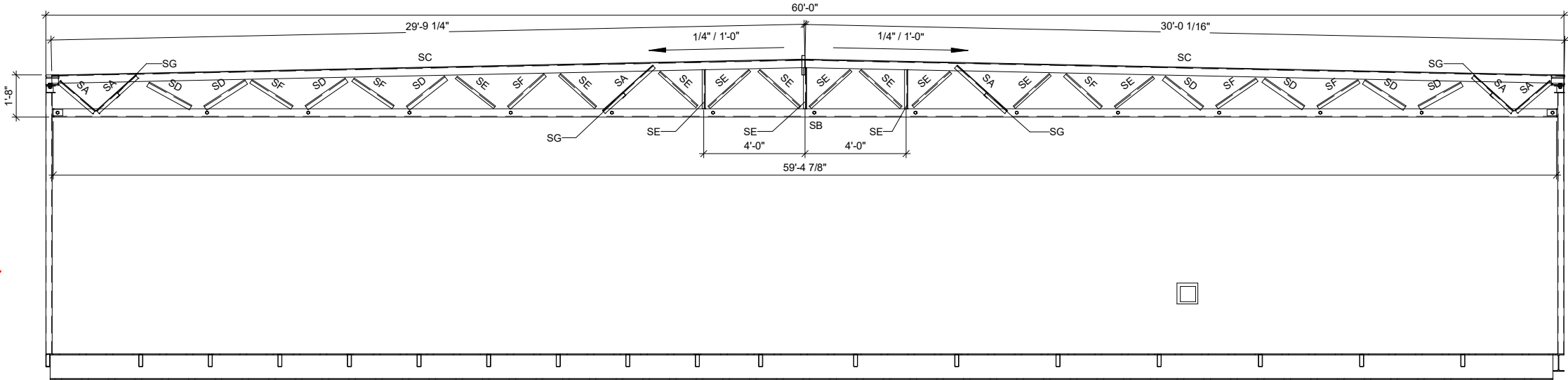
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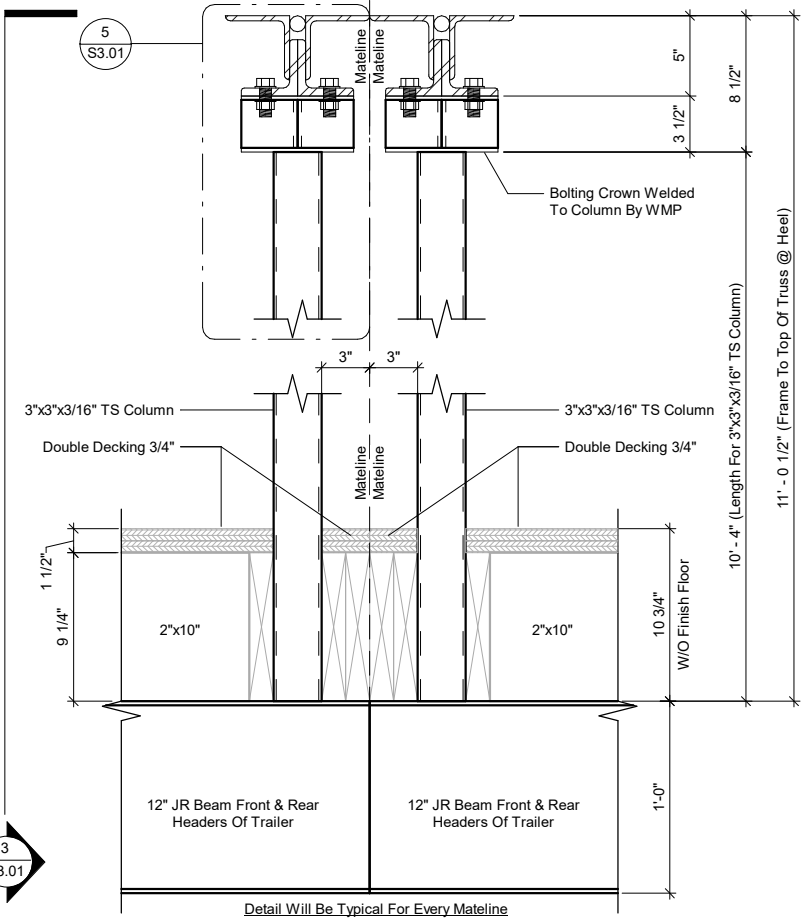
| Truss Schedule | | |
|----------------|--------------------|------|
| Mark | Type | Qty. |
| SA | (2) L2X2X3/16 | 6 |
| SB | (2) L4X4X5/16 | 1 |
| SC | (2) L4X4X5/16 | 2 |
| SD | L2-1/2X2-1/2X3/16 | 8 |
| SE | L1-1/2X1-1/2X3/16" | 13 |
| SF | L2X2X3/16 | 6 |
| SG | L2X2X3/16 | 4 |

(Truss Schedule: The Quality is For Only One Side Of The Building Mateline Module)

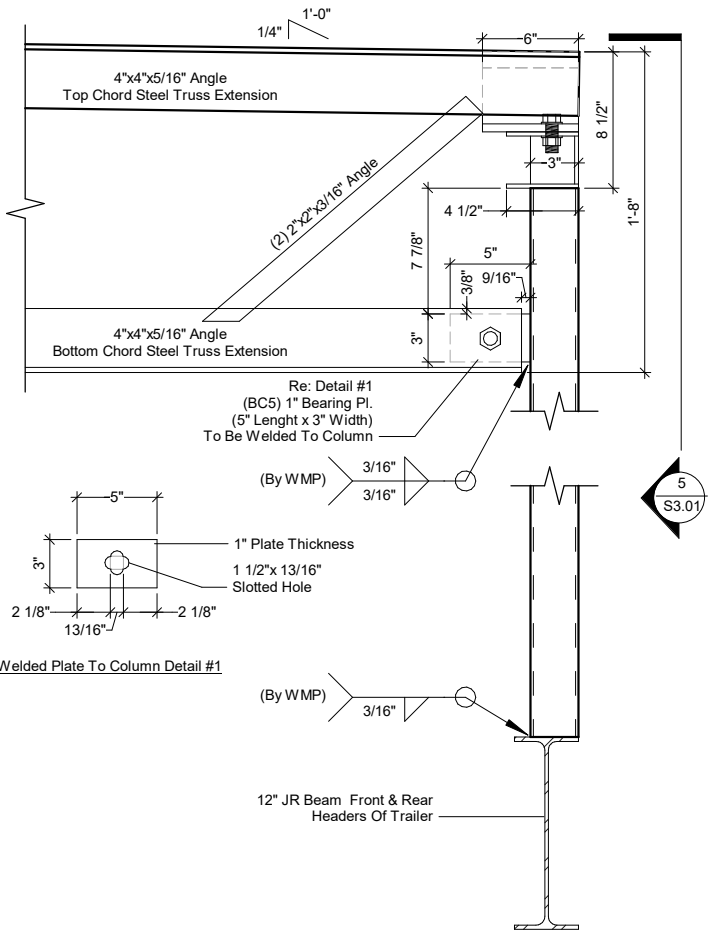
| Truss Bolting Crown Schedule | | | |
|------------------------------|------------------|------|-------------|
| Mark | Type | Qty. | Cut Length |
| BC1 | FL 1/4X7 | 4 | 0' - 4 1/2" |
| BC2 | RB 1 | 2 | 0' - 6" |
| BC3 | L3-1/2X3-1/2X1/4 | 4 | 0' - 3" |
| BC4 | L3-1/2X3-1/2X1/2 | 4 | 0' - 6" |
| BC5 | FL 1X3 | 2 | 0' - 5" |

(Truss Bolting Crown Schedule: The Quality is For Only One Side Of The Building Mateline Module)

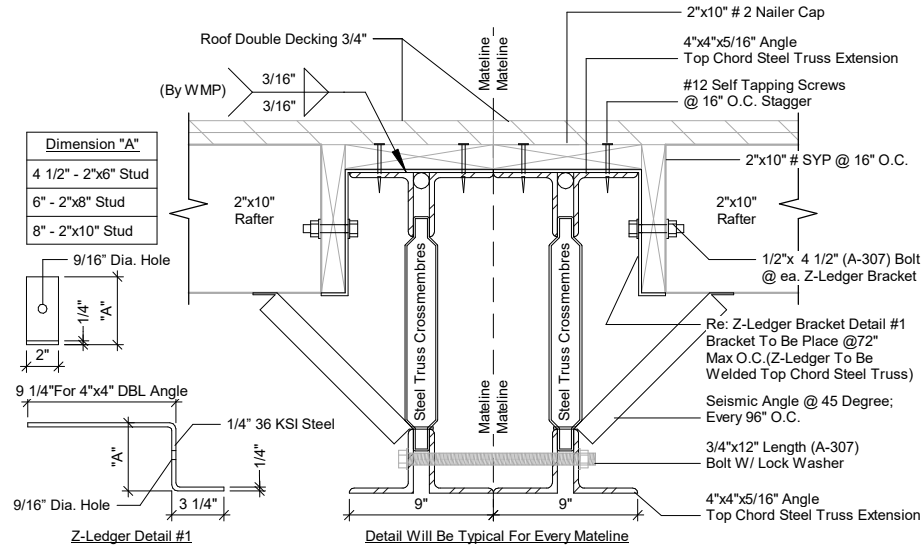
① Truss Section Elevations
3/16" = 1'-0"



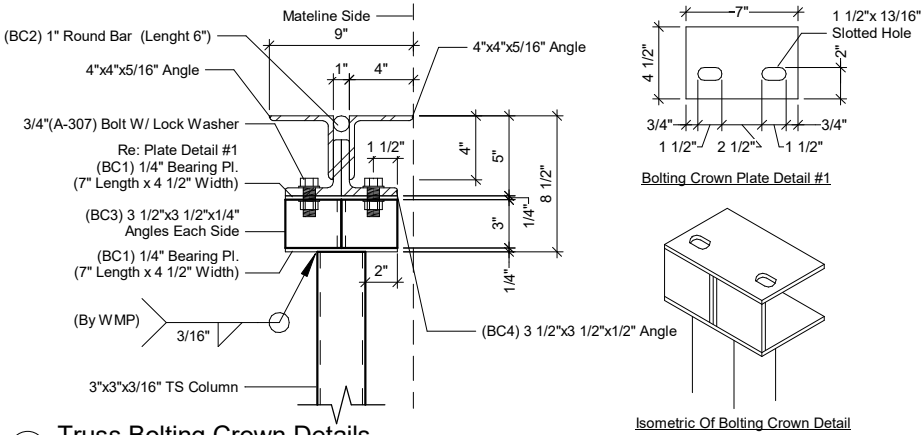
② Truss @ Endwall Mateline Section Details
1" = 1'-0"



③ Truss Side @ Mateline Details
1" = 1'-0"



④ Truss @ Mateline Section Details
1" = 1'-0"



⑤ Truss Bolting Crown Details
1" = 1'-0"

Re: TO 01/S3.01 FOR "Truss & Bolting Crown Schedules"

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Drawing Title:

Structural Truss
Elevation View &
Truss Details

Sheet Number:

S3.01

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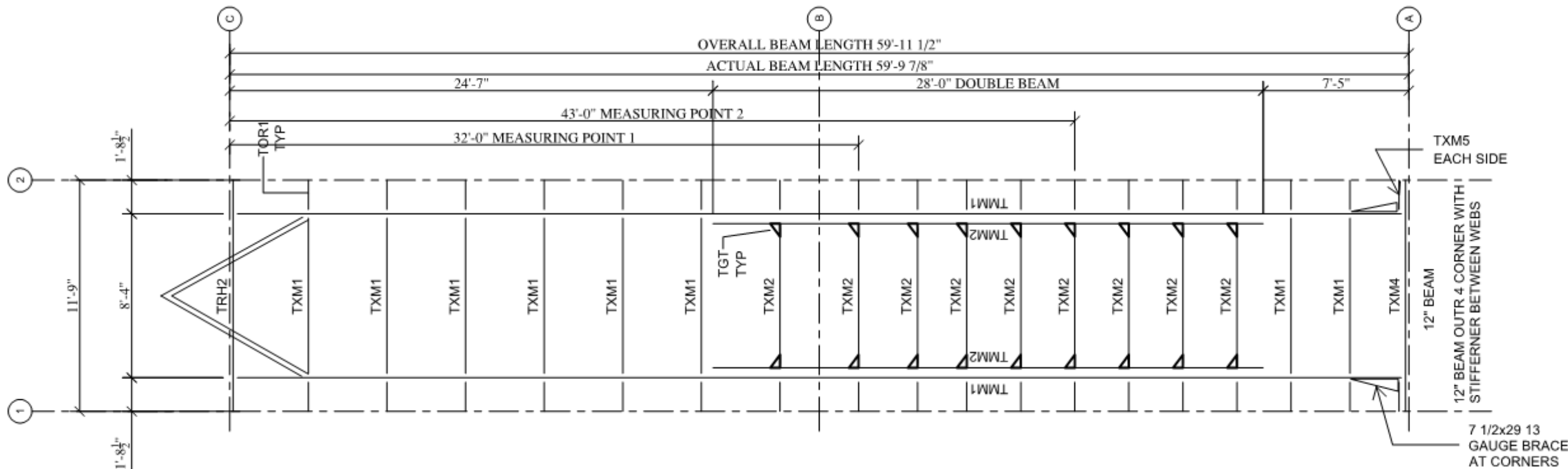
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Drawing Title:

Structural Trailer
Frame Details

Sheet Number:

S3.02



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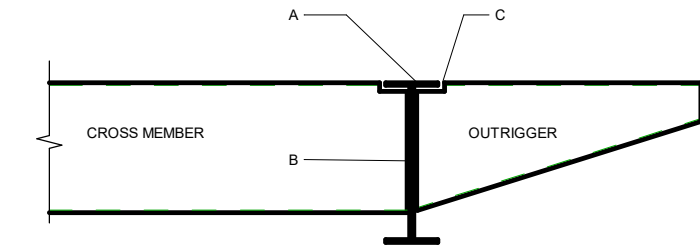
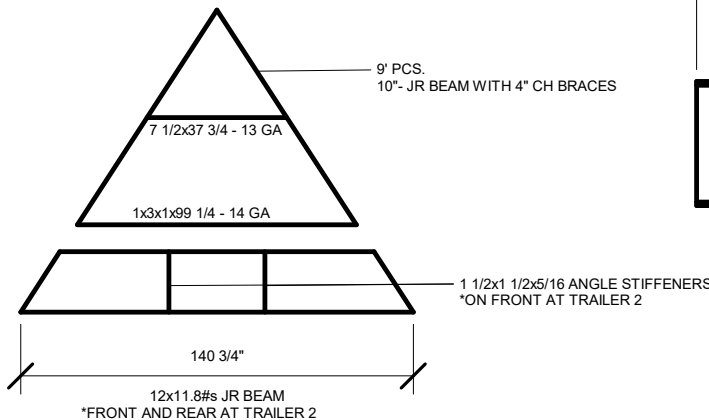
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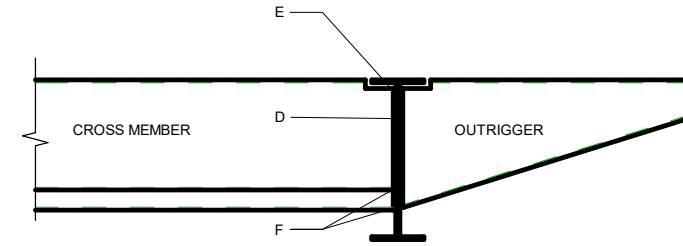
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BALL EXE. HITCH WITH JACK
REMOVEABLE PLATES FRONT; LARGE PL ONE BOLT
BACK; LARGE PL TWO BOLTS

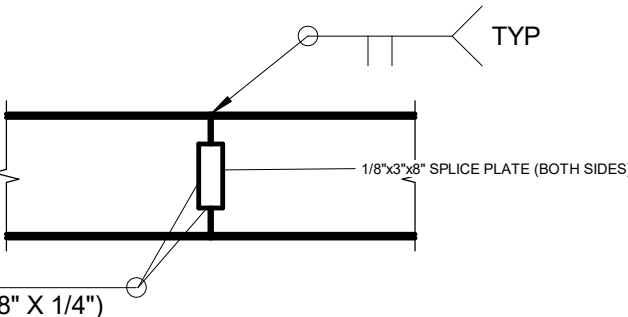
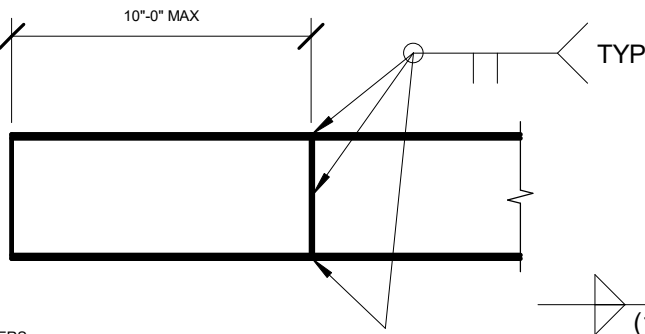
9423



FOR 6" OR 9" CROSS MEMBER
D. 1/8" FILLET WELD 5" LONG ON 6" MEMBER OR 7" LONG FOR 9" MEMBER (MAXIMUM IN 4 SECTIONS)
E. 1/8" FILLET WELD 3/4" LONG FLANGE OF CROSS MEMEBER TO UNDERSIDE OF BEAM FLANGE
F. 1/8" FILLET WELD 3/4" LONG FLANGE OF OUTRIGGER TO WEB OF BEAM
DETAILS ARE THE SAME ON DOUBLE BEAM.



NOTES:
1. MAIN MEMBERS - 12"x11.8 LBS/LFT
2. OUTRIGGERS - 14 GA; ASTM A36
3. CROSS MEMBERS - 14 GA; ASTM A36
4. REMOVABLE HITCH - 8X18 LBS/FT
5. ALL SHARP EDGES TO BE ROUNDED OFF AND GROUND SMOOTH
6. WELD ELECTRODES TO BE E7014 FOR SMAW
7. REMOVE ALL FLUX, BURRS & SPATTER
8. ALL CONNECTIONS TO BE SEAL WELDED



1. TOP OF OUTRIGGER FLANGE TO BE WELDED TO THE MAIN BEAM USING (1/8"x1 1/4" WELD) ONE OF THE FOLLOWING METHODS:
A. FLANGE OF OUTRIGGER TO FLANGE OF BEAM
B. END OF OUTRIGGER FLANGE TO WEB TO BEAM
2. BOTTOM FLANGE OF OUTRIGGER TO WEB OF BEAM 1 1/4" LONG ON TOP OR BOTTOM OF FLANGE USE 1/8" FILLET WELD
3. WEB OF OUTRIGGER TO WEB OF BEAM - ONE SIDE ONLY
-WELD 1/8" FILLET 5" LONG FOR 6-1/2" OUTRIGGER
-WELD 1/8" FILLET 7" LONG FOR 9" OUTRIGGER WELD IN NO MORE THAN 4 SECTIONS

12x68 (64 BOX)
12" BEAM - 26' SISTER BEAM
7 AXLES
7 BRAKES SPRINGS OVER QUAD SPLIT TRIPLE
ST235/60/45 TIRES
5 1/2X20 1/2 14 GA., OUTER IN DOUBLE AREA
1 1/4X6X1 1/4X93 OR 99 1/4 14 GA. CENTER MEMEBER
*6X8 GUSSETS ON CMIN D.B. AREA
DELV RIGHT SIDE UP
25/16 VENTURE STRADDLE 16 MOUNT COUPLIER & JACK
CAMBER: REG
FR: 1" NO
BK: 5" NO
CAMBER: LITE
FR: 3/4" NO
BK: 4" NO

1 Trailer Framing Details
1/2" = 1'-0"



By Yuri at 8:25:39 AM, 2/26/2020

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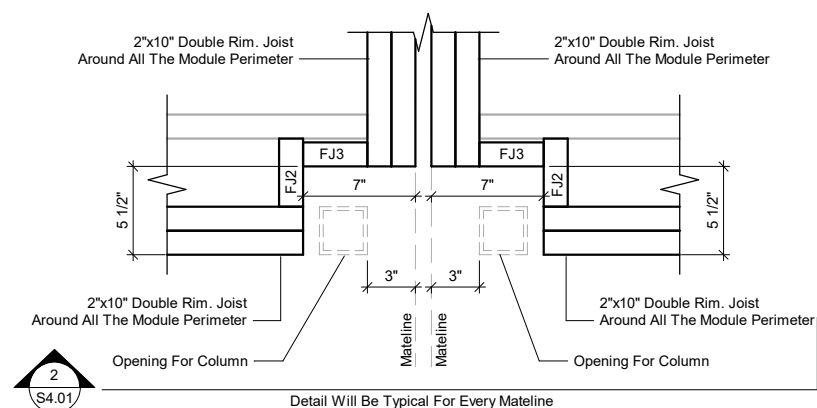
96006

Drawing Title:

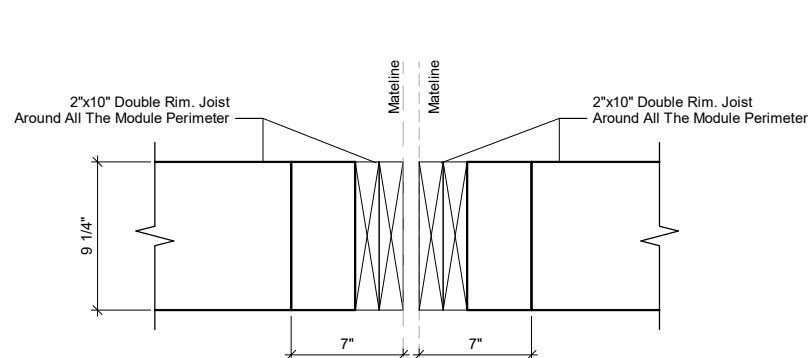
Structural Details

Sheet Number:

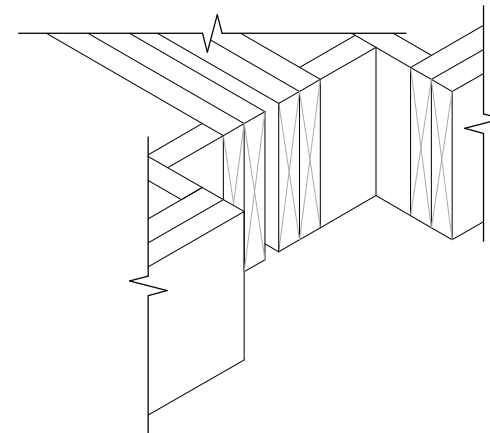
S4.01



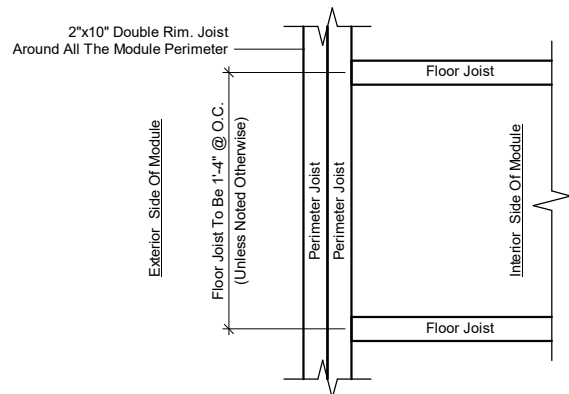
① **Mateline Floor Corner Details**
1" = 1'-0"



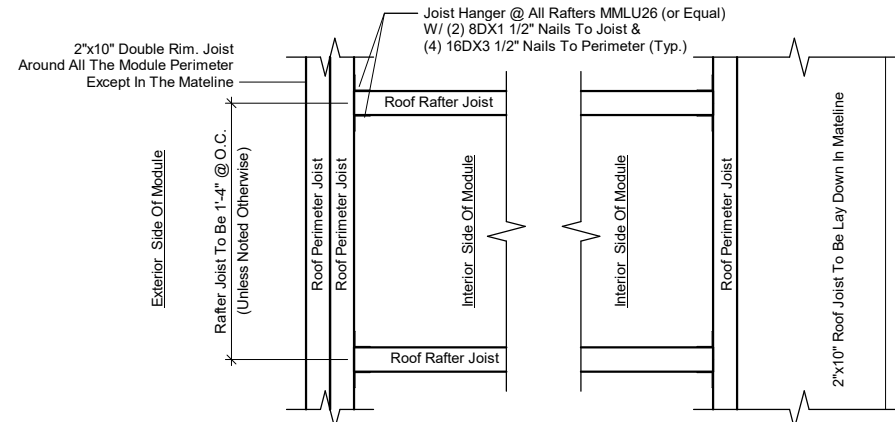
② **Mateline Floor Section Corner Details**
1" = 1'-0"



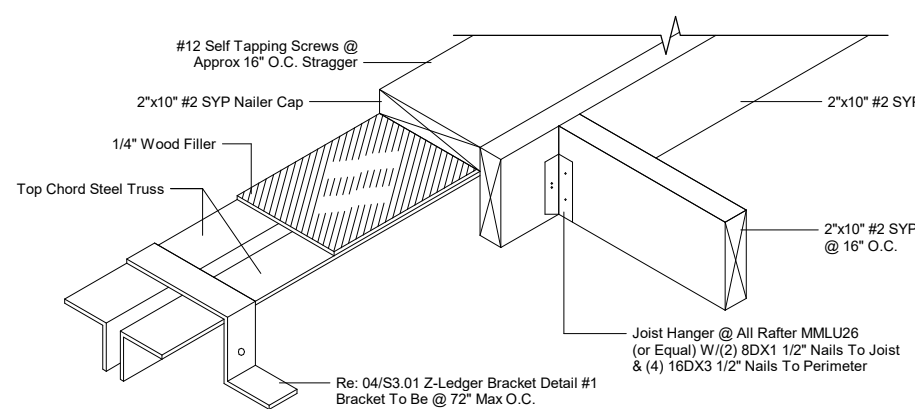
③ **Mateline Floor Isometric Corner Deatils**
1" = 1'-0"



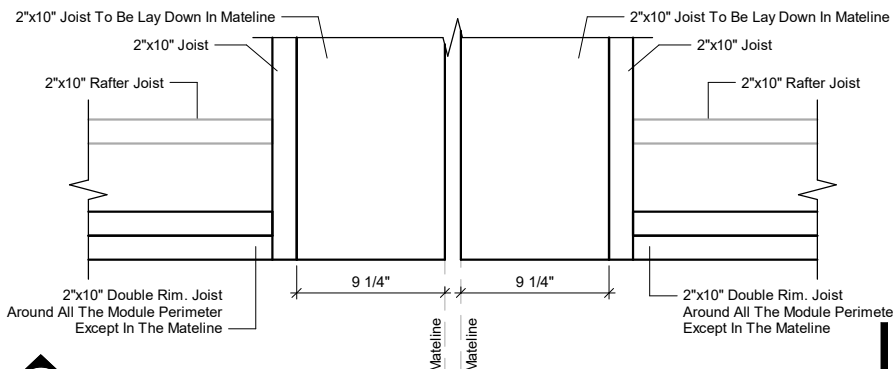
④ **Perimeter Joist & Floor Joist Connection Details**
1" = 1'-0"



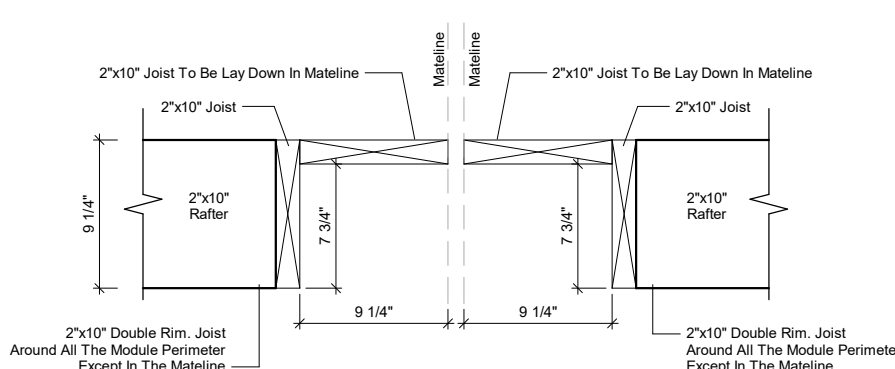
⑤ **Perimeter Joist & Rafter Joist Connection Details**
1" = 1'-0"



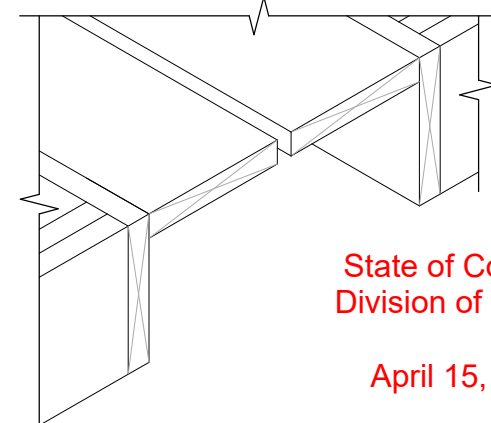
⑥ **Mateline With Truss & Roof Structural Details**
1" = 1'-0"



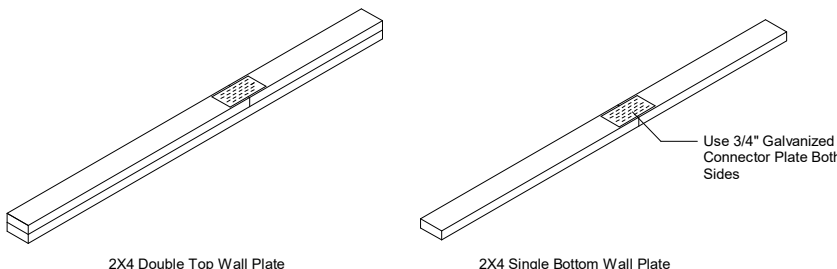
⑦ **Mateline Roof Corner Details**
1" = 1'-0"



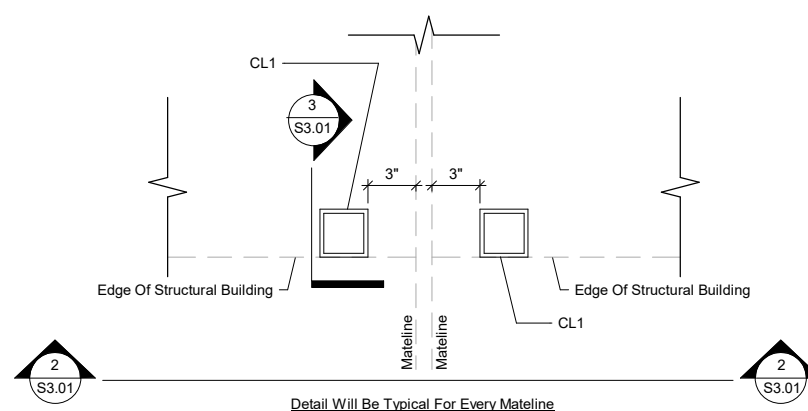
⑧ **Mateline Roof Section Corner Details**
1" = 1'-0"



⑨ **Mateline Roof Isometric Corner Deatils**
1" = 1'-0"



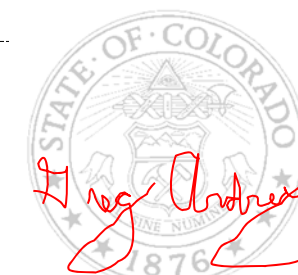
⑩ **Lumber Connections**
3/8" = 1'-0"



⑪ **Mateline Column Corner Details**
1" = 1'-0"

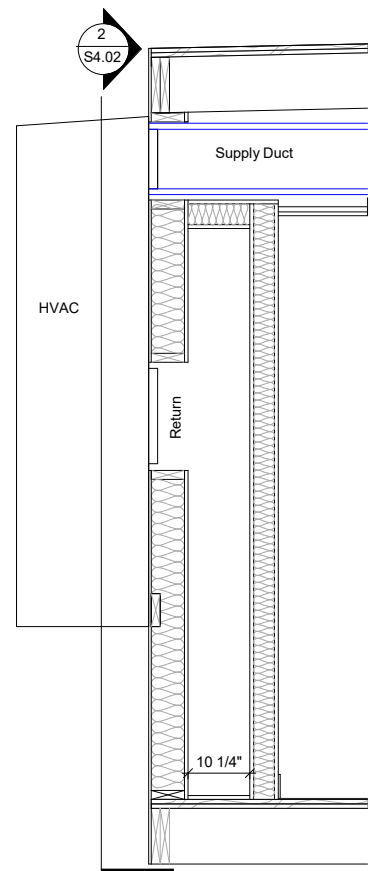
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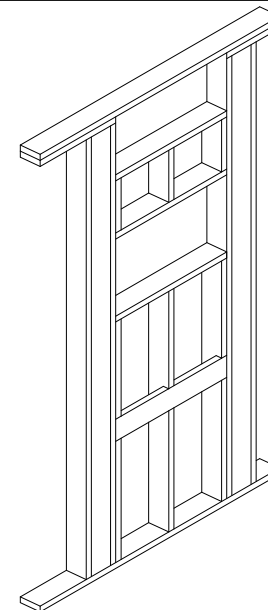
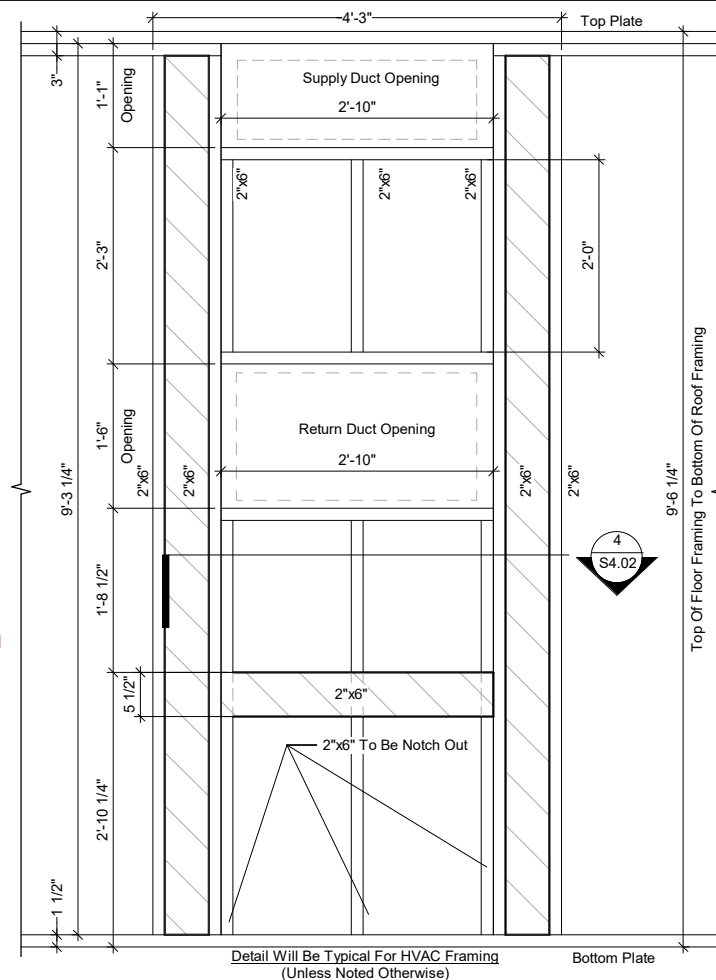
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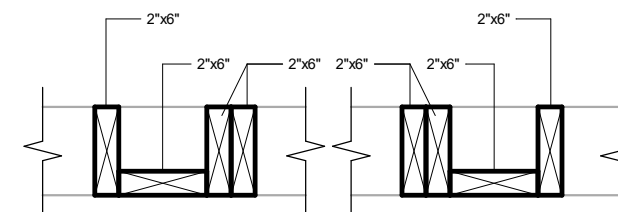


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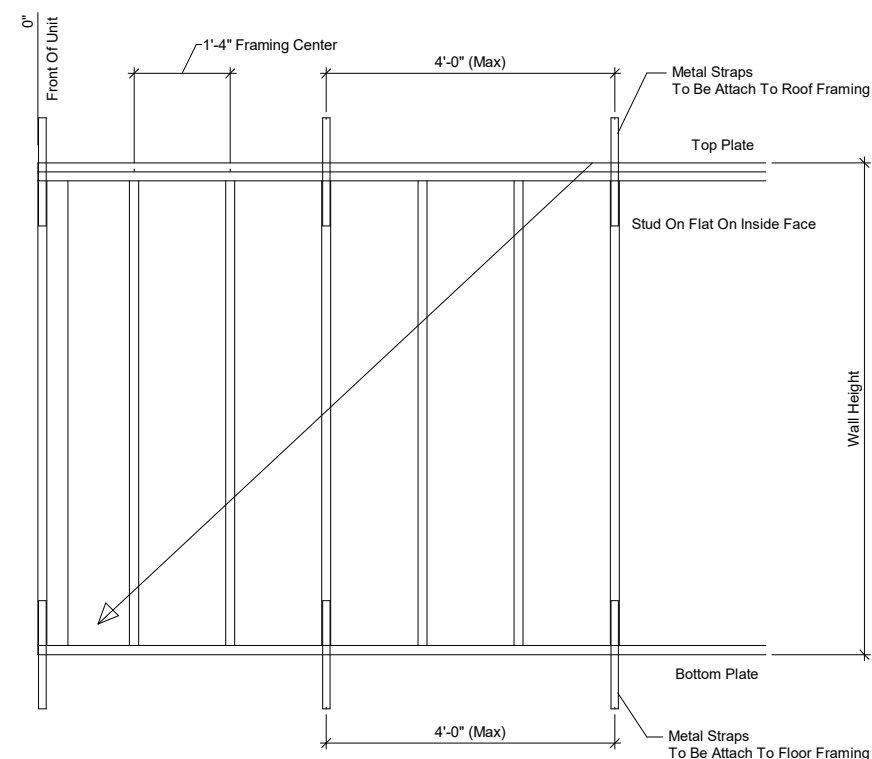
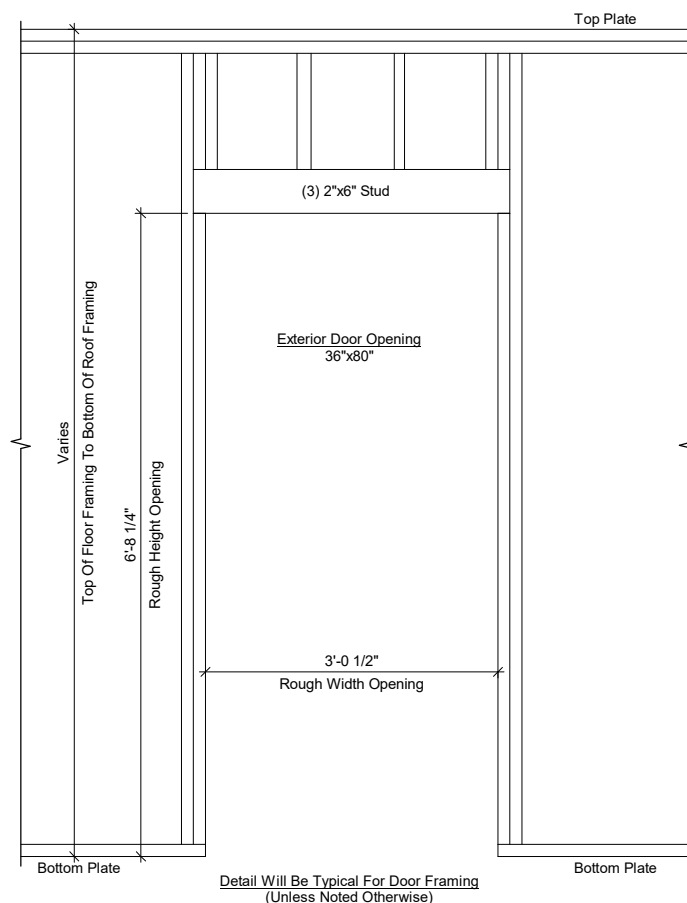
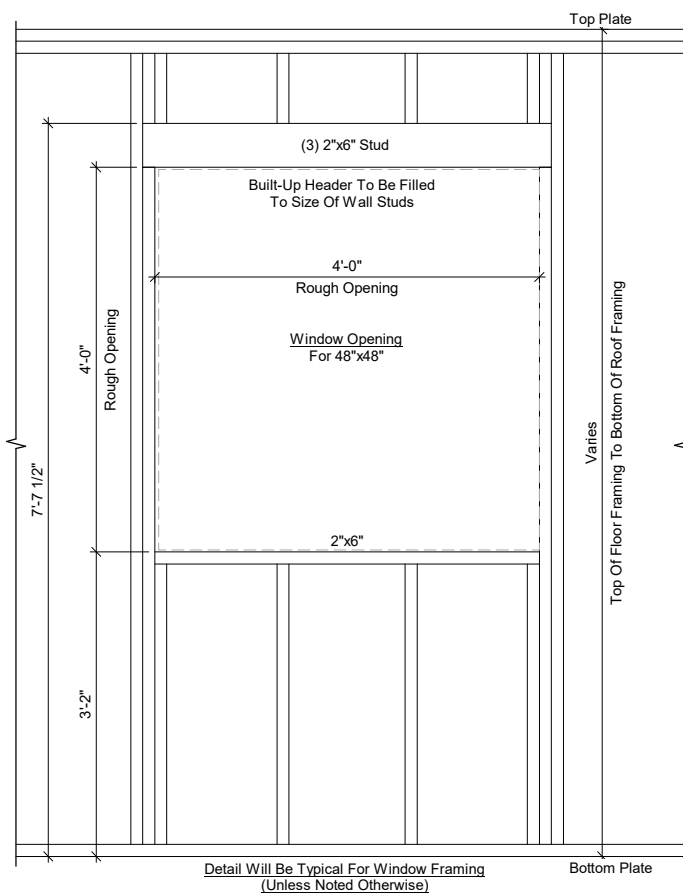
9423



③ Endwall HVAC Framing Isometric
1/4" = 1'-0"



Re: 02/S4.02 For HVAC Framing Elevations Dimensions Details



See Schedule For Fastening (Re: S5.01)

ATCO

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By Yuri at 8:25:40 AM, 2/26/2020

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Project Date: 02/10/20

Design By: G. Arizmendez

Project Name:

ATCO Denver Branch Buildings

Project Number:

96006

Drawing Title:

Structural Details

Sheet Number:

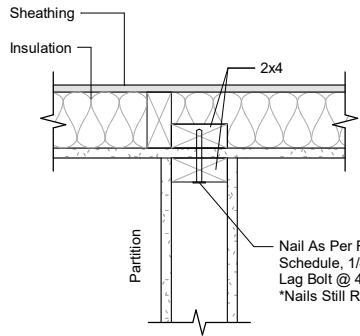
S4.02

| Fastening Schedules For Paneling, Sheathing & Trims | | | | | | | | | |
|---|------------------------------|--------------------------------|-------------------------|---------------------------|---|-----------------|------|-----|-----|
| Fastening Schedule | | | Fastener | | Spacing Of Fasteners O/C ("P" = Perimeter) ("F" = Field) | | | | |
| Size | Description | Comments | Size | Type | Floor | Wall/ Partition | Roof | | |
| | | | | | "P" | "F" | "P" | "F" | "P" |
| 3/8" | OBS/ Plywood | | 1/2" x 1-3/4" | 44G Bab Staple | 4 | 8 | 4 | 8 | 3 |
| 3/8" | Plywood Underlay (Top Layer) | Double Flooring | 1/2" x 1-3/4" | 44G Bab Staple | 4 | 8 | | | |
| 7/16" | OSB | | 1/2" x 1-3/4" | 44G Bab Staple | 4 | 8 | 4 | 8 | 4 |
| 1/2" | OBS/ Plywood (Bottom Layer) | | 1/2" x 1-3/4" | 44G Bab Staple | 4 | 8 | 4 | 8 | 12 |
| 1/2" | OBS/ Plywood (Bottom Layer) | | #8 x 1-3/4" | Low Root Wood Screw | | | | | 3 |
| 5/8" | T & G Plywood | | 1/2" x 2-1/2" | 63G Bab Staple | 4 | 8 | | | |
| 5/8" | T & G Plywood | | #8 x 1-3/4" | Low Root Wood Screw | 16 | 16 | | | 6 |
| 3/4" | T & G Plywood | | 1/2" x 2-1/2" | 63G Bab Staple | 4 | 8 | | | |
| 3/4" | T & G Plywood | | #8 x 1-3/4" | Low Root Wood Screw | 16 | 16 | | | 6 |
| 1-1/8" | T & G Plywood | Fastening To Metal Floor Joist | 8d Ring Shank | Hardened Nail | 6 | 6 | | | |
| 1-1/8" | T & G Plywood | Fastening To Metal Floor Joist | #12 x 24 x 2-1/2" Screw | Self-Drilling Metal Screw | 6 | 6 | | | |
| 3/8" | V.C. Drywall | | 1" x 1-1/4" | 31G Bab Staple | | | 8 | | |
| 3/8" | V.C. Drywall | | 1-1/4" | Foam Adhesive | | 24 | | | |
| 1/2" | Plain Drywall | | #6 x 1-1/4" | Drywall Screw | | 12 | 12 | | |
| 1/2" | Plain Drywall | | 1-1/4" | Drywall Screw | | | | 12 | 12 |
| 1/2" | V.C. Drywall | | 1" x 1-1/2" | 38G Bab Staple | | 8 | | 8 | |
| 1/2" | V.C. Drywall | | #6 x 1-5/8" | Foam Adhesive | | | | | 24 |
| 5/8" | Plain Drywall | | #6 x 1-5/8" | Drywall Screw | | 12 | 12 | 12 | 12 |
| 5/8" | V.C. Drywall | | 1" x 1-1/2" | 38G Bab Staple | | 8 | | 8 | |
| 5/8" | V.C. Drywall | | #6 x 1-5/8" | Foam Adhesive | | | | | 24 |
| 3/8" | FRP Board | | 1/2" x 1-1/4" | 31G Bab Staple | | 10 | | 10 | |
| 3/8" | FRP Board | | 1/4" x 1" | NYLON Tap Ins. | | | 24 | | 24 |
| 5.2mm | Luan Paneling | Stud 16" On Center | 7/32" x 1" | 351G Bab Brown Staple | | 6 | 12 | | |
| 3.2mm | Luan Paneling | Stud 16" On Center | 7/32" x 5/8" | 355/ 8G Brown Staple | | 6 | 12 | | |
| 1/4" | V.C. Luan Paneling | Stud 16" On Center | 7/32" x 1" | 351G Bab White Staple | | 4 | | 4 | |
| 1/4" | V.C. Luan Paneling | Stud 16" On Center | 1-1/4" | Foam Adhesive | | | 24 | | 24 |
| 1/2" | Ceiling Board | Roof Joist 16" On Center | 1-1/4" x 1" | 31G Bab Staple | | | | 6 | 12 |
| 1/2" | Inner Seal | Stud 16" On Center | .0915" x 2-1/8" | EC22 ASB Hot Nail | | 6 | 12 | | |
| 1/2" | Inner Seal | Stud 16" On Center | 1-1/4" | RD 504 Nail | | | | | |
| 30 Ga. | Roof Edge | | 1/2" x 1-1/2" | 38G Bab Staple | | | | | 2 |
| | Termination Bar | | #8 x 1-1/4" | Pan Head Screw | | | | | 6 |
| | Batten/ Baseboard/ Casing | | .072" x 2" | DA21 EPDN Nail | | 12 | | | |
| 1/2" | Canvex/ Bottom Board | | 1-1/4" x 1" | 31G Bab Staple | 3 | | | | |
| 7/16" | Smartside Panel Siding | | .090" x 2" | C6R90BDG Nail | | 6 | 12 | | |
| 26 Ga. | Low Rib Siding | | #9 x 1-1/2" | Wood Screw | | | 12 | | |
| 26 Ga. | Low Rib Siding | | #14 x 7/8" | Lap Screw | | 12 | | | |

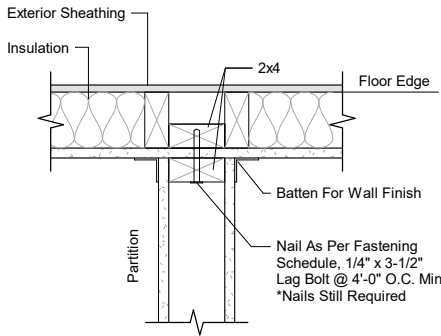
| Fastening Schedules For Studs | | | | | | | | |
|-------------------------------|------------------------|---------------|---------------------|---------------------|---------------|------------------------|--------------|---|
| Stud Size | Stud Location | Floor Qty. | Walls Qty. | Partition Qty. | Roof Qty. | Size Of Nail or Staple | Type | Comments |
| 2x4 | To Plate | 3 | 3 | 3 | 3 | .131 x 3 1/4" | S12D131 Nail | Min. 3/4" From Edge Of Plate |
| 2x6 | To Plate | 3 | 3 | 3 | 3 | | | |
| 2x8 | To Plate | 4 | 3 | - | 3 | | | |
| 2x10 | To Plate | 4 | - | - | 3 | | | |
| 2x12 | To Plate | 5 | - | - | 4 | | | |
| (*) 2x_ | To 2x_ | 16" STGRD | 16" STGRD | 16" STGRD | 16" STGRD | .131 x 3 1/4" | S12D131 Nail | Double or Triple Plates, Studs, Joist, Cripples |
| 2x4 | Headers | - | 12" On Center STGRD | 12" On Center STGRD | - | .131 x 3 1/4" | S12D131 Nail | Headers Are End Nailed Through Stud W/ Qty.5 Nails (.131 x 3-1/4") Each End |
| 2x6 | Headers | - | " | " | - | | | " |
| 2x8 | Headers | - | " | " | - | | | " |
| 2x10 | Headers | - | " | " | - | | | " |
| 2x4 / 2x6 | Wall To | 1 Per 4' | 16" On Center | 16" On Center | 1 Per 4' | #8 x 3-1/2" | Woodscrew | Stud At 16" or 24" On Center |
| 2x4 / 2x6 | Wall To | 2/ Stud Space | | | 2/ Stud Space | .131 x 3 1/4" | S12D131 Nail | |
| 2x4 / 2x6 | Partition To | 16" On Center | 16" On Center | 16" On Center | 16" On Center | .131 x 2-1/2" | | |
| - | Seallite BTM Sheathing | 8" On Center | - | - | - | 31G BAB | Staple | |
| - | Wall Blocking To Stud | 1" On Center | | | | 38G BAB | Staple | Stitch On Surface |

Note:

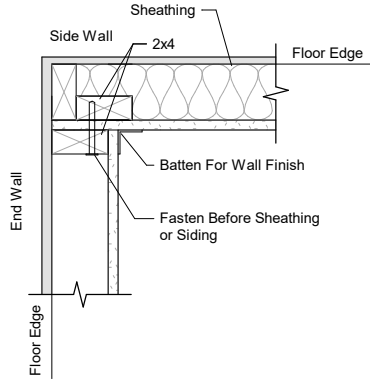
- (*) Inter Connection Of All Sizes Of Multiple Members Are To Follow The Inter Connections As Listed Above (In 2x4 To 2x4)
- Re: 10/S4.01 For Lumber Connections Detail
- Re: S4.02 For Wall, Door, Window, & HVAC Framing Details
- Wood To Wood Adhesives W/ill / Shall Meet AFG-10 Regulations
- Wall Boarding Adhesives Shall Meet ASTM C557 Requirements
- Staples Shall Be 16 Gauge or Heavier As Required
- Fastenes Spacing For Shear Wall
 - 4" On Center Edge & 8" On Center Field At Exterior Walls (16 Gauge x 1-3/4" Long Staples)
 - 8" On Center Edge & 12" On Center Field At Interior Walls (#6 Type S or W Drywall Screws, 1-1/4" Long Minimum)



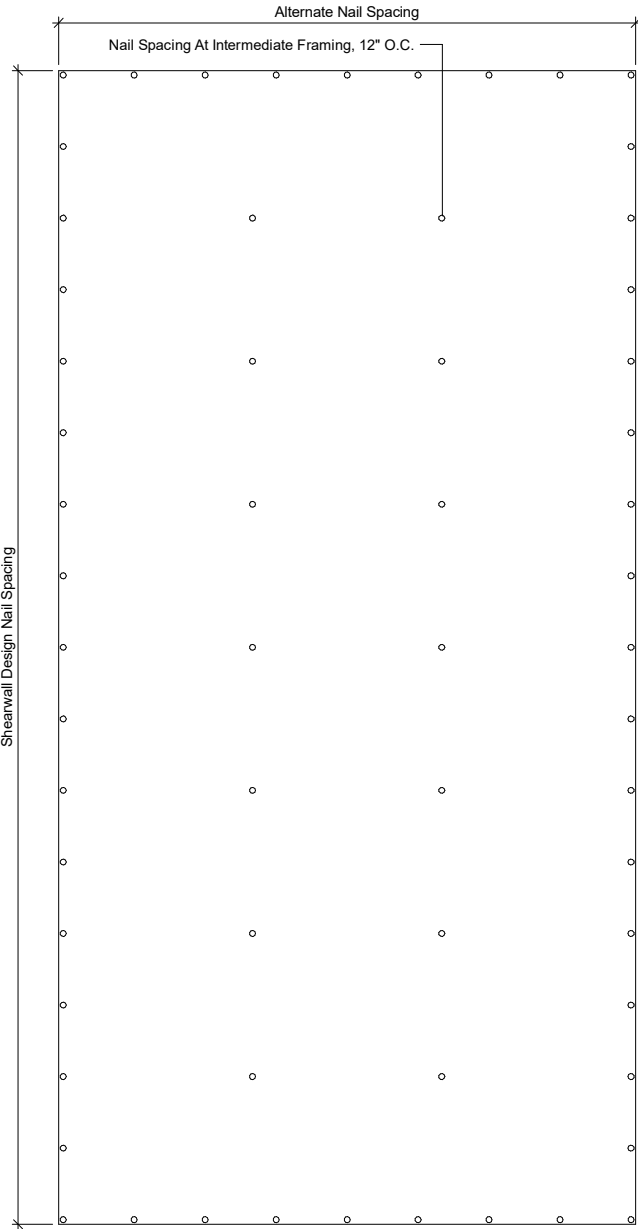
Partition Wall To Ceiling Attachment



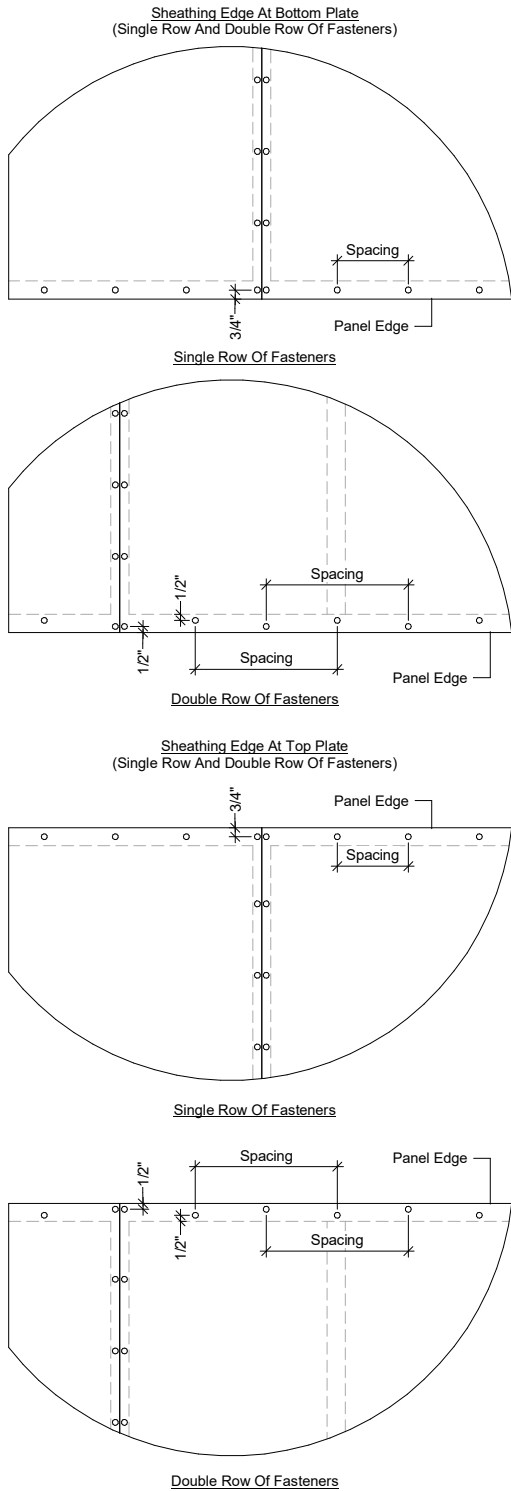
Partition Wall To Exterior Wall Attachment



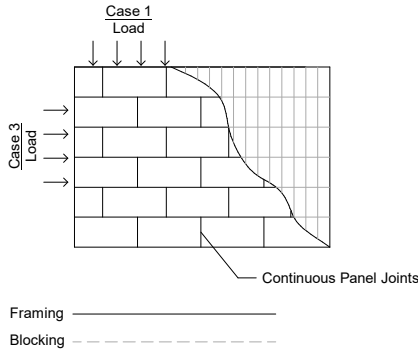
End Wall Attachment



Note: Edge Panel/ Boundary Nail Spacing 4" or 6" On Center (Per Calculations)



| Roof Diaphragm Panel Orientations | | | | |
|-------------------------------------|--|-------|-----------------|------------------------|
| Roof Diaphragm & Shearwall Schedule | | | | |
| - Roof Diaphragm Panel | Use 7/16" | Panel | Unblocked | Sheathing, PS 1 & PS 2 |
| | 8d (2-1/2" x 0.131") | | 4" O.C. At Edge | 12" O.C. At Field |
| - Shearwall Panel | Use 7/16" | Panel | Sheathing | |
| | 8d (2-1/2" x 0.131" Common, 2-1/2" x 0.113" Galv. Box) | | 4" O.C. At Edge | 12" O.C. At Field |



Framing _____
Blocking - - - - -



By Yuri at 8:25:41 AM, 2/26/2020

Revision/Submission:

A Issued For Construction 02/22/2020

Project Date: 02/10/20

Design By: G. Arizmendez

Project Name:

ATCO Denver
Branch Buildings

Project Number:

96006

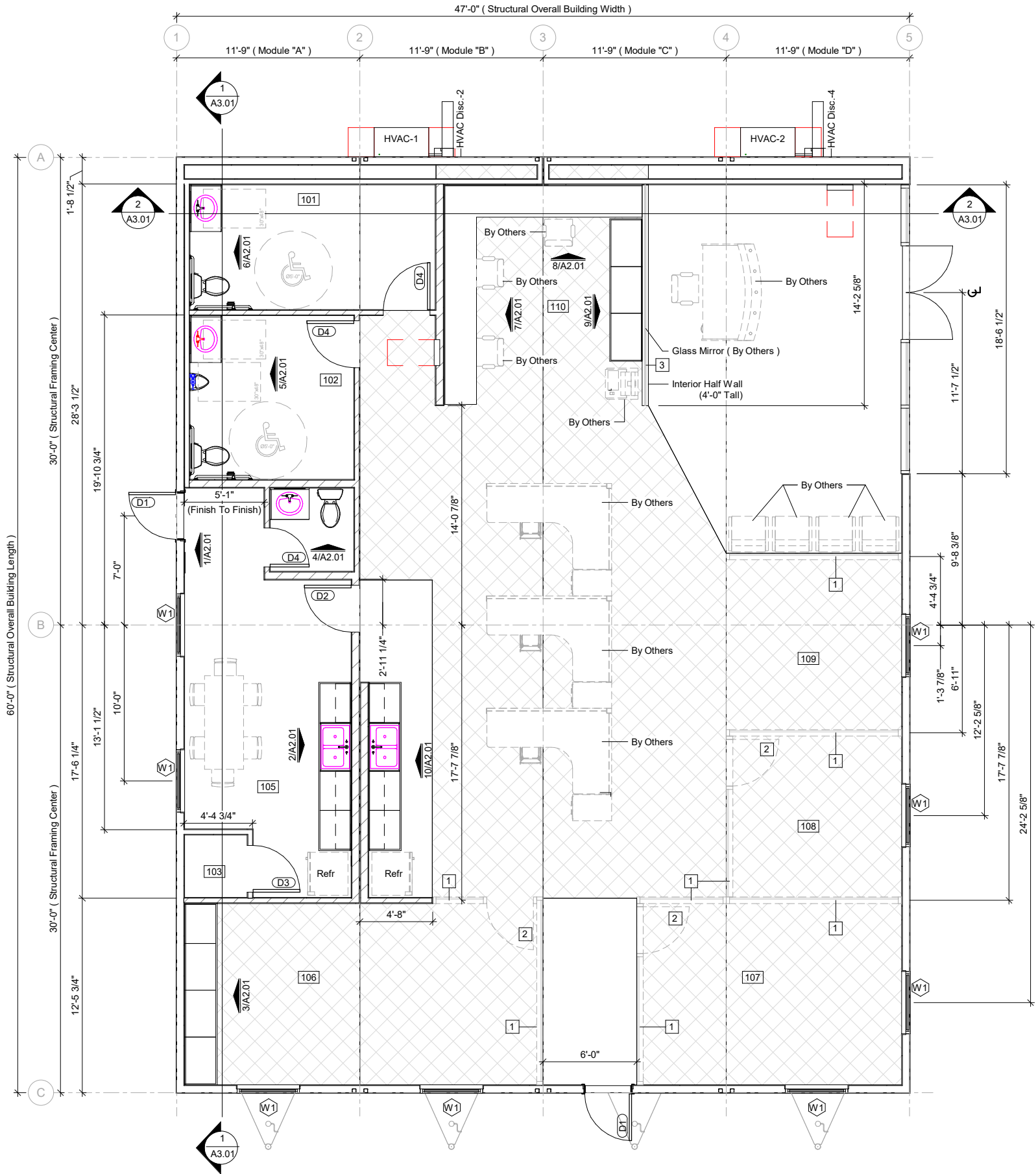
Drawing Title:

Fastening Schedule
& Roof Diaphragm &
Shearwall Panel
Details

Sheet Number:

Design Is Limited To 'B' Occupancy Type Buildings, per IBC Chapter 3

| 4 Plex Module Building | | Room Schedule | |
|--|--|---------------|---------------------------|
| Overall Structural Building Sizes: 47'-0" Wide x 60'-0" Long; (4 Plex, Each) 11'-9" WIDE x 60'-0" Long | | Number | Name |
| Overall Building Square Footage: 2,820 | | 101 | Women's Restroom |
| Occupant Load: 2,820/100 = 29 | | 102 | Men's Restroom |
| | | 103 | It Room |
| | | 104 | Restroom |
| | | 105 | Training/ LunchRoom Area |
| | | 106 | Conference Room |
| | | 107 | Operations Manager Office |
| | | 108 | Manager Office |
| | | 109 | Sales Office |
| | | 110 | Semi Workstation |



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April 15, 2020



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- Notes:**
- All Dimension Are From Center Of Building.
 - Wall Dimension Are From The Edge Of The Stud
 - Reference Page G0.01 & G0.02 For Schedules
- 1** Mirror Glass To Be Install To Ceiling By Others In Site
- 2** Mirror Glass (3080) Door To Be Install By Others In Site
- 3** (4'-1") Mirror Glass To Be Install To Ceiling By Others In Site Ref: 09/A2.01
- Wall Legend:**
- Full Height Wall: [Symbol]



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Phone: (208) 242-3804



By Yuri at 8:25:43 AM, 2/26/2020

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Project Date: 02/10/20

Design By: G. Arizmendez

Project Name:

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Branch Buildings

Project Number:

96006

Drawing Title:

Architectural Floor
Plan

Sheet Number:

A1.01

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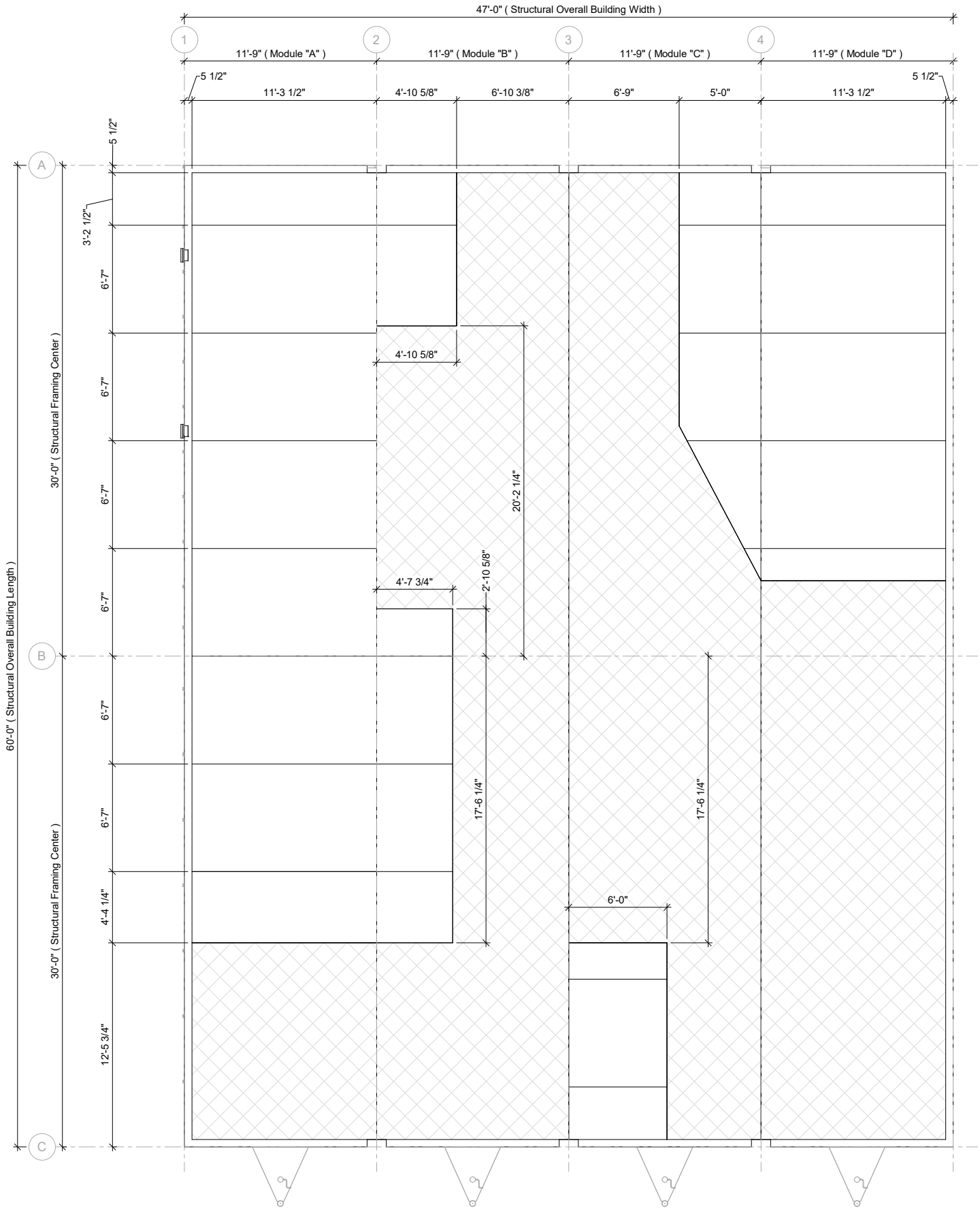
96006

Drawing Title:

Architectural Floor
Vinyl Plan

Sheet Number:

A1.02



Note:
- Carpet To Be Install In Site By Others (Estimated Sq Ft. 1554)
(No Vinyl Needed In These Area)



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ATCO Denver
Branch Buildings

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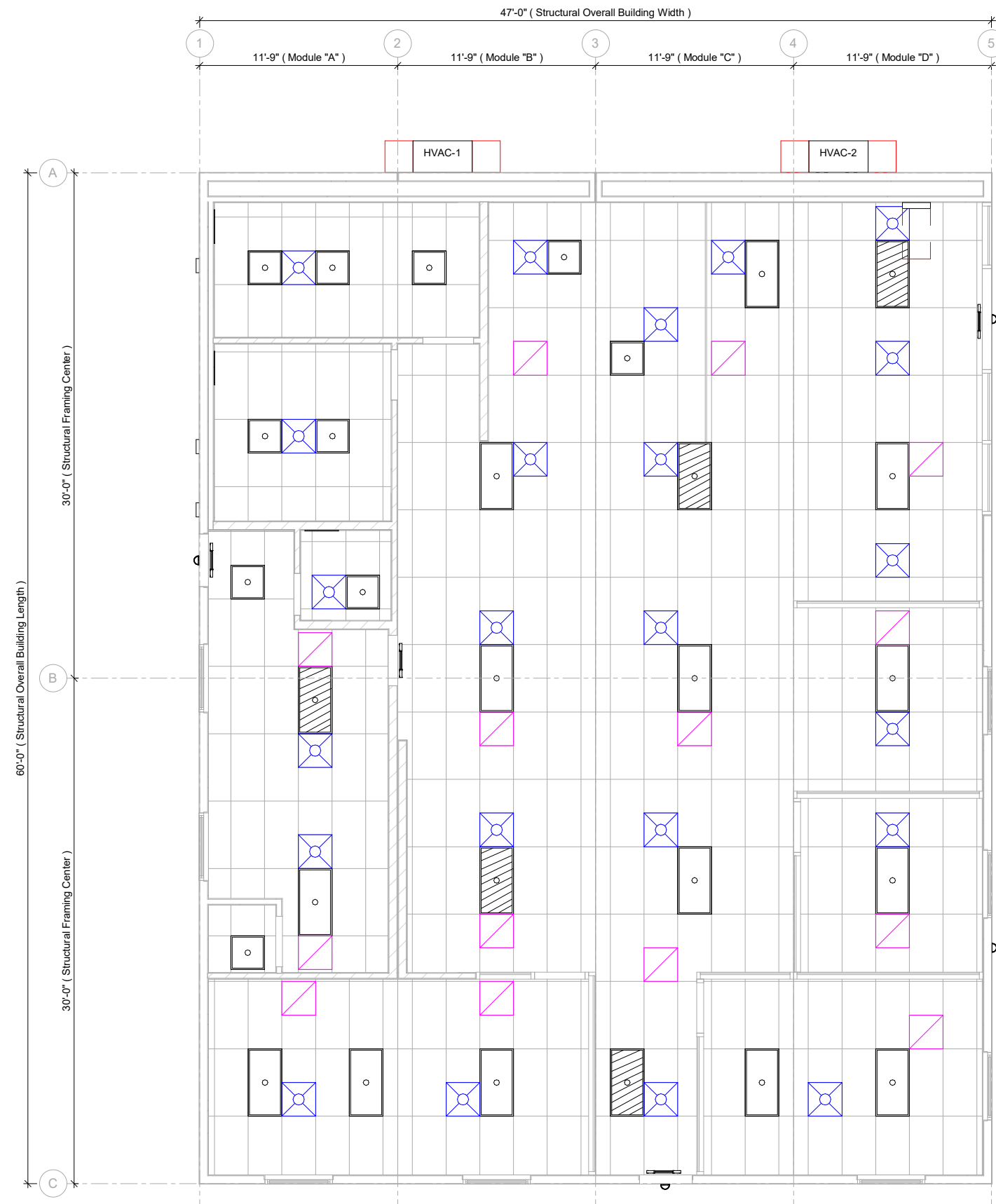
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Drawing Title:

Architectural
Reflected Ceiling
Plan

Sheet Number:

A1.03



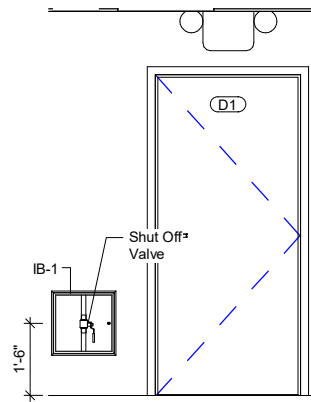
State of Colorado
Division of Housing

April 15, 2020



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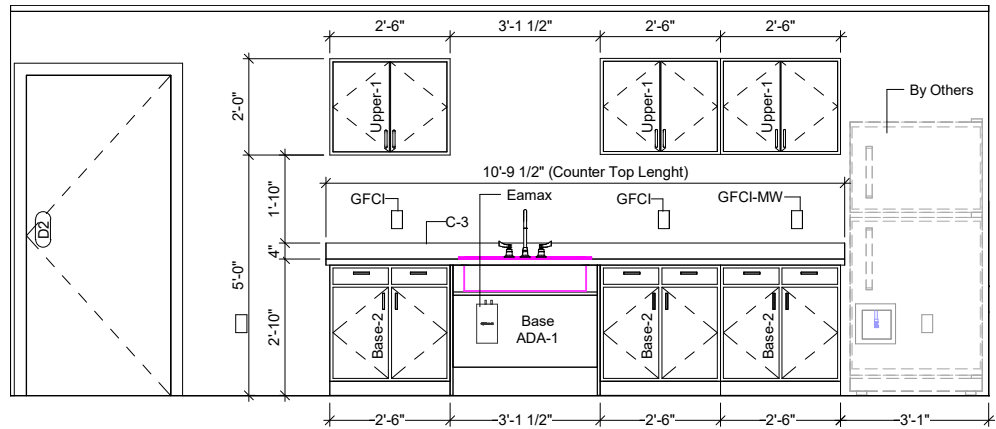
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[Signature]

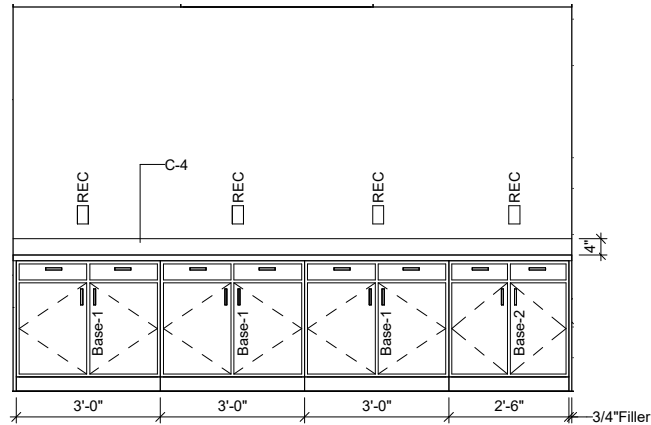
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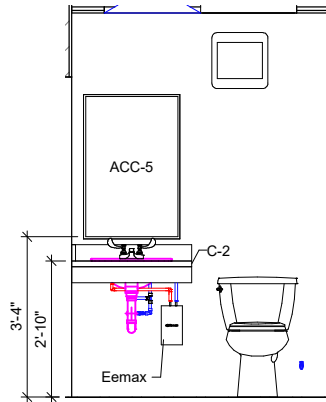


① Restroom Section #1
1/4" = 1'-0"

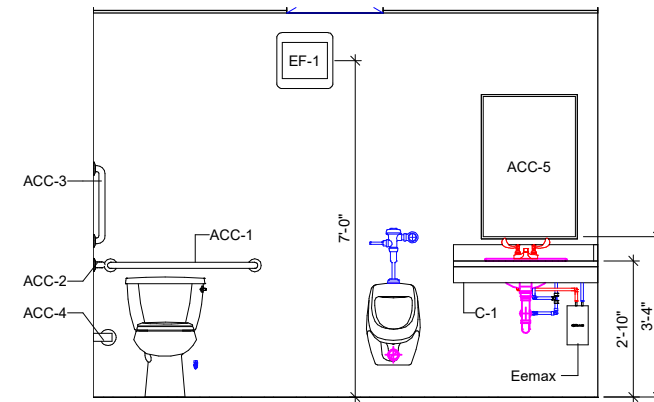
② Training/ Lunch Room Area Section #1
1/4" = 1'-0"



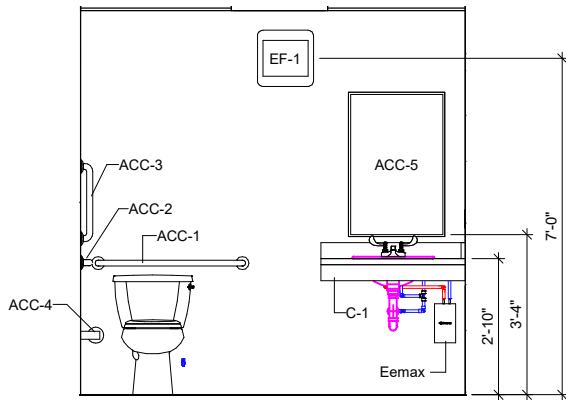
③ Conference Room Section #1
1/4" = 1'-0"



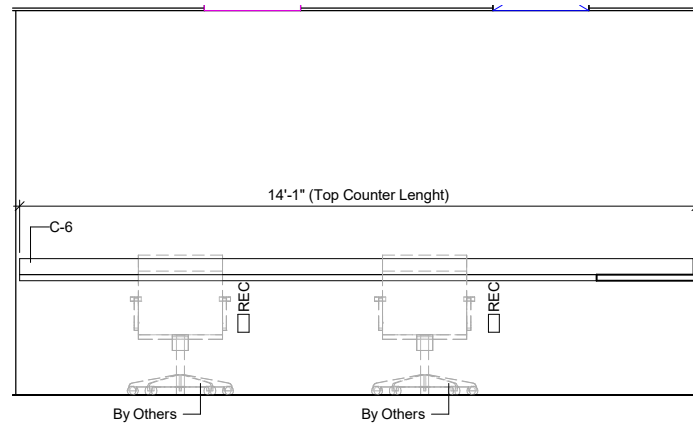
④ Restroom Section #2
1/4" = 1'-0"



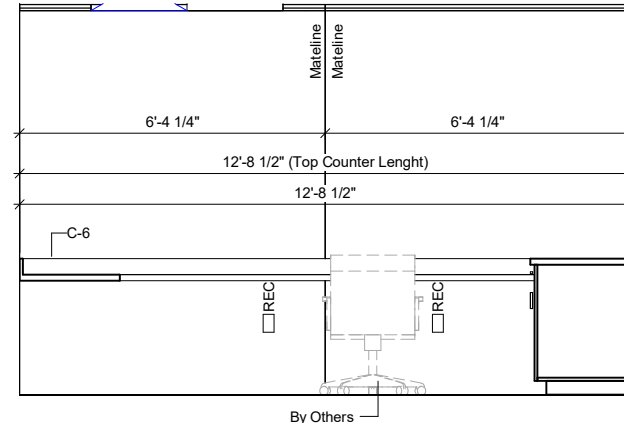
⑤ Men's Restroom Section #1
1/4" = 1'-0"



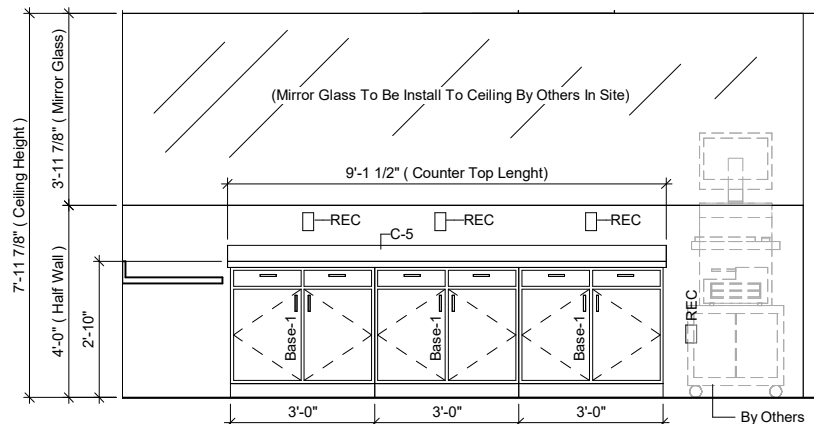
⑥ Women's Restroom Section #1
1/4" = 1'-0"



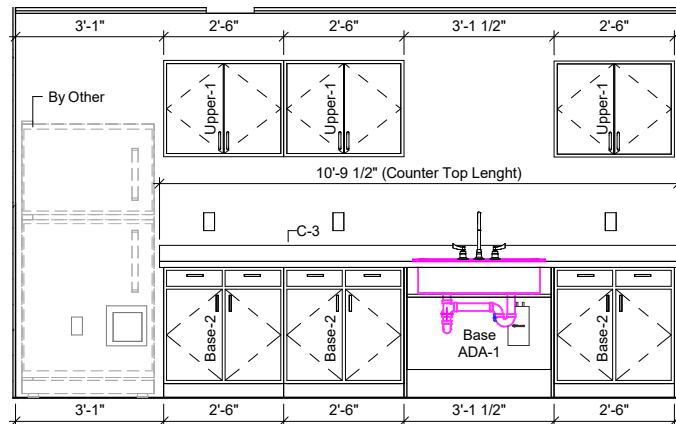
⑦ Semi Workstation Section #1
1/4" = 1'-0"



⑧ Semi Workstation Section #2
1/4" = 1'-0"



⑨ Semi Workstation Section #3
1/4" = 1'-0"



⑩ Open Area Breakarea
1/4" = 1'-0"

Notes:
- Reference Page G0.01 & G0.02 For Schedules



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By Yuri at 8:25:45 AM, 2/26/2020

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| Revision | Description | Date |
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Project Date: 02/10/20

Design By: G. Arizmendez

Project Name:

ATCO Denver
Branch Buildings

Project Number:

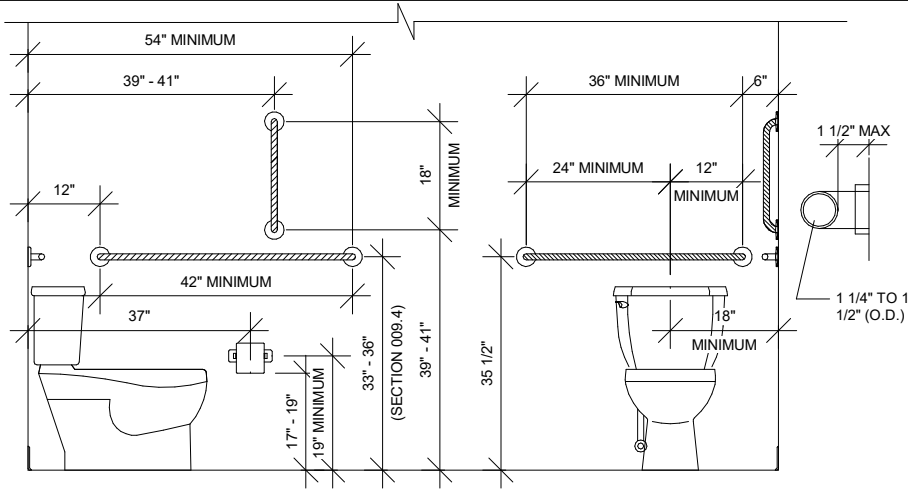
96006

Drawing Title:

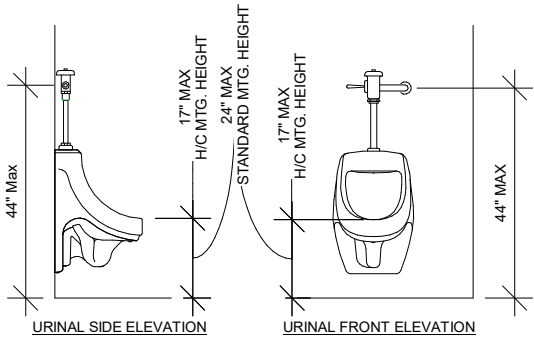
Interior Elevations &
Details

Sheet Number:

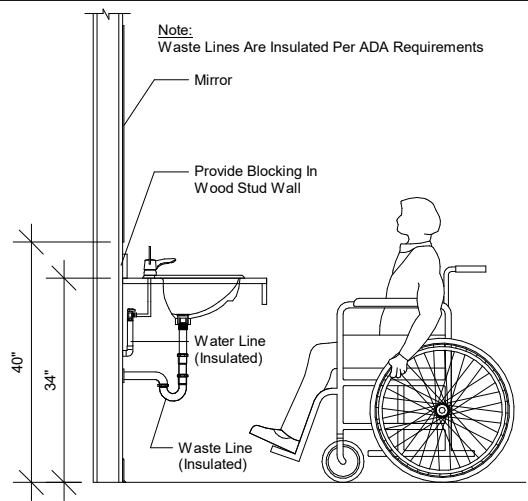
A2.01



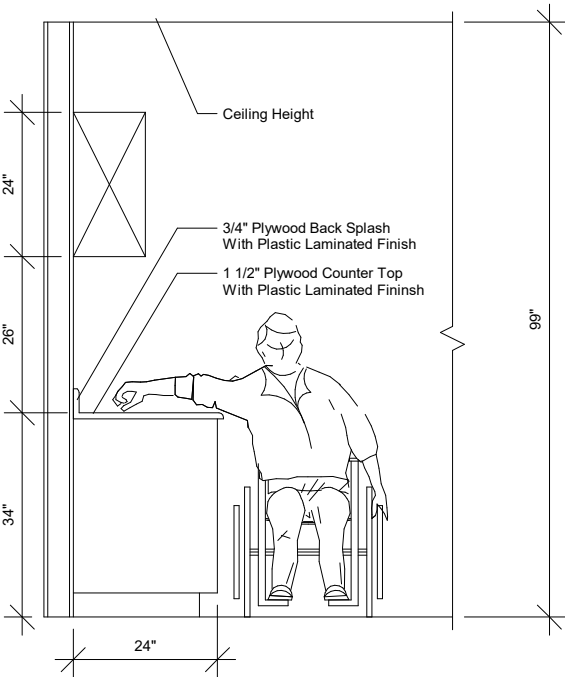
① ADA GRAB BAR
3/8" = 1'-0"



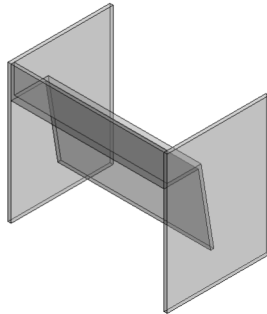
④ ADA URINAL MOUNTING HEIGHT
3/8" = 1'-0"



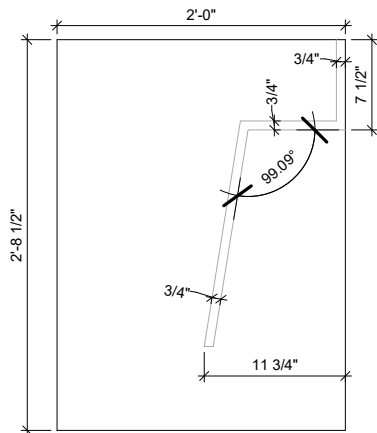
③ ADA LAVATOR
3/8" = 1'-0"



② ADA CABINET HEIGHT
3/8" = 1'-0"



⑤ ADA Cabinet Isometric View



⑥ ADA Cabinet Side View Details
3/4" = 1'-0"

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By Yuri at 8:25:47 AM, 2/26/2020

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Project Date: 02/10/20

Design By: G. Arizmendez

Project Name:

ATCO Denver
Branch Buildings

Project Number:

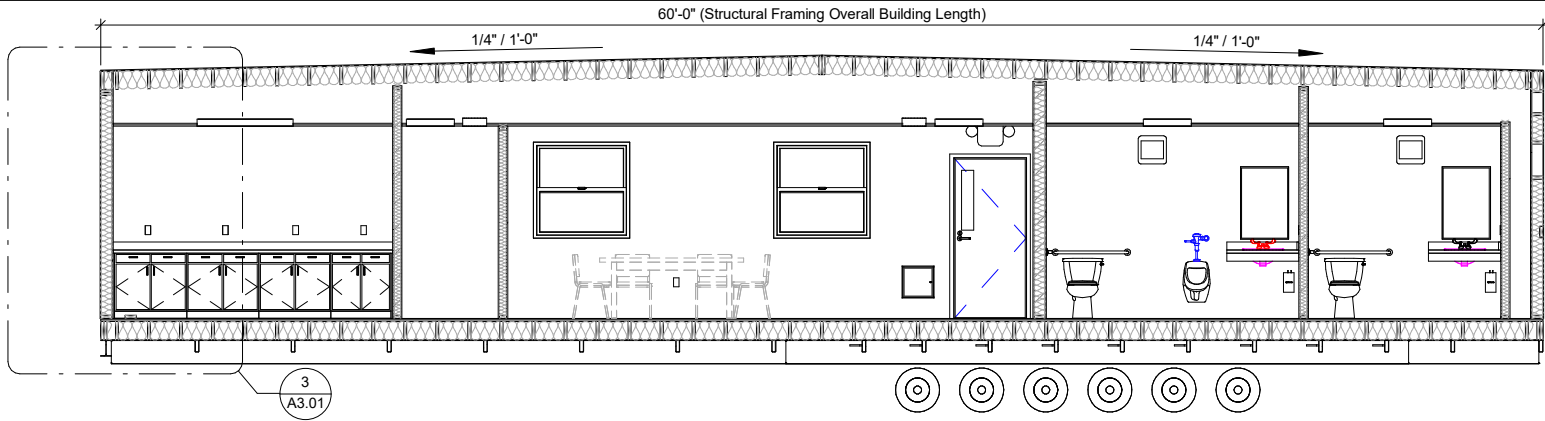
96006

Drawing Title:

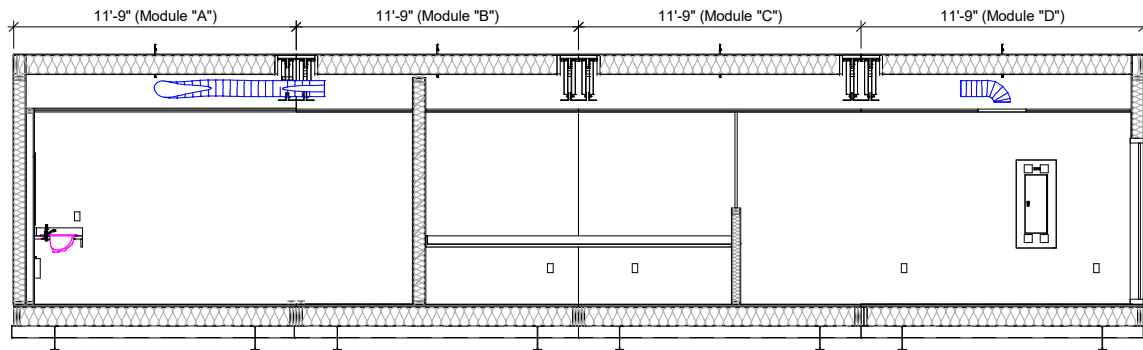
Accessibility
Architectural Details

Sheet Number:

A2.02



① Building Section #1
1/8" = 1'-0"



② Building Section #2
1/8" = 1'-0"

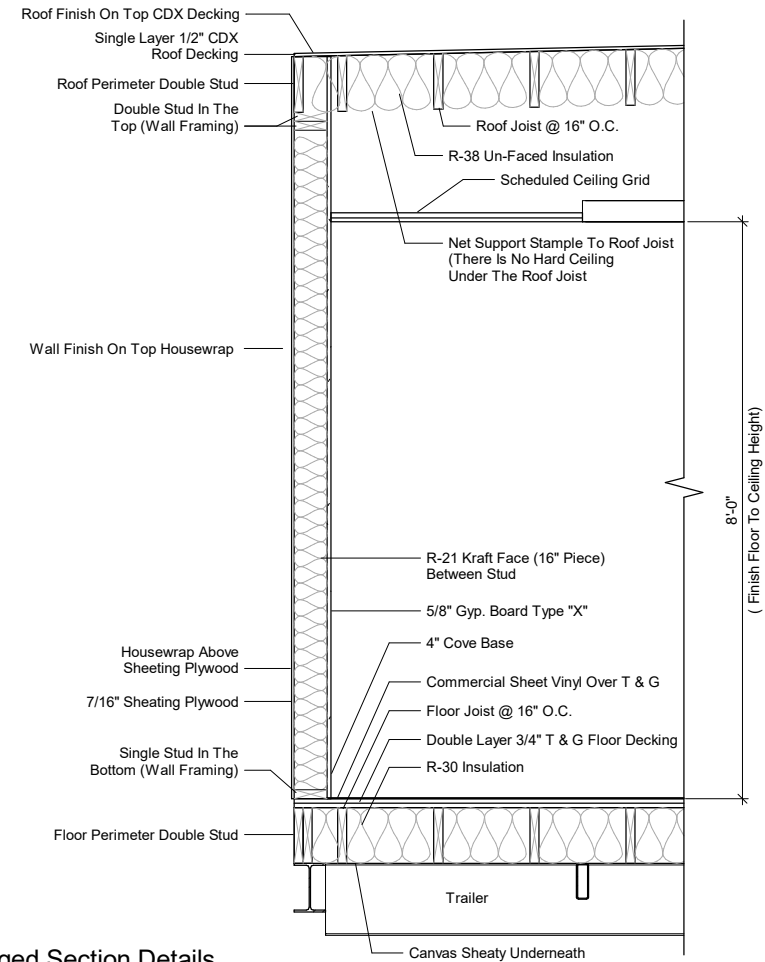
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Division of Housing

April 15, 2020

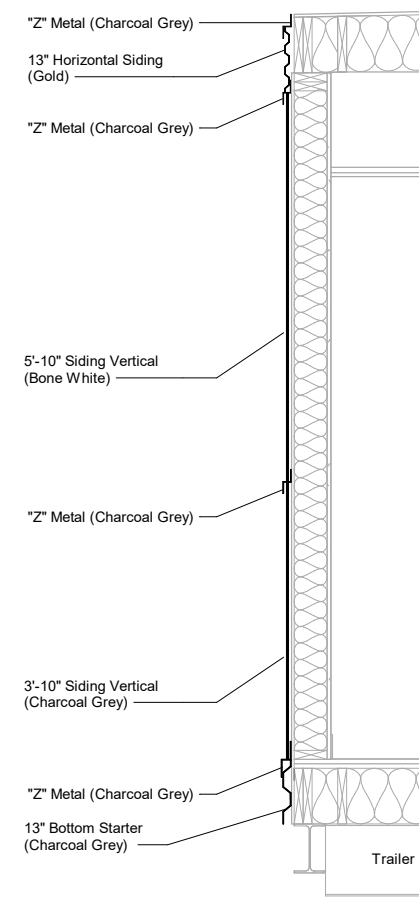


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③ Enlarged Section Details
3/8" = 1'-0"



④ Enlarged Finish Skirting Details
3/8" = 1'-0"

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By Yuri at 8:25:48 AM, 2/26/2020

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Design By: G. Arizmendez

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Project Number:

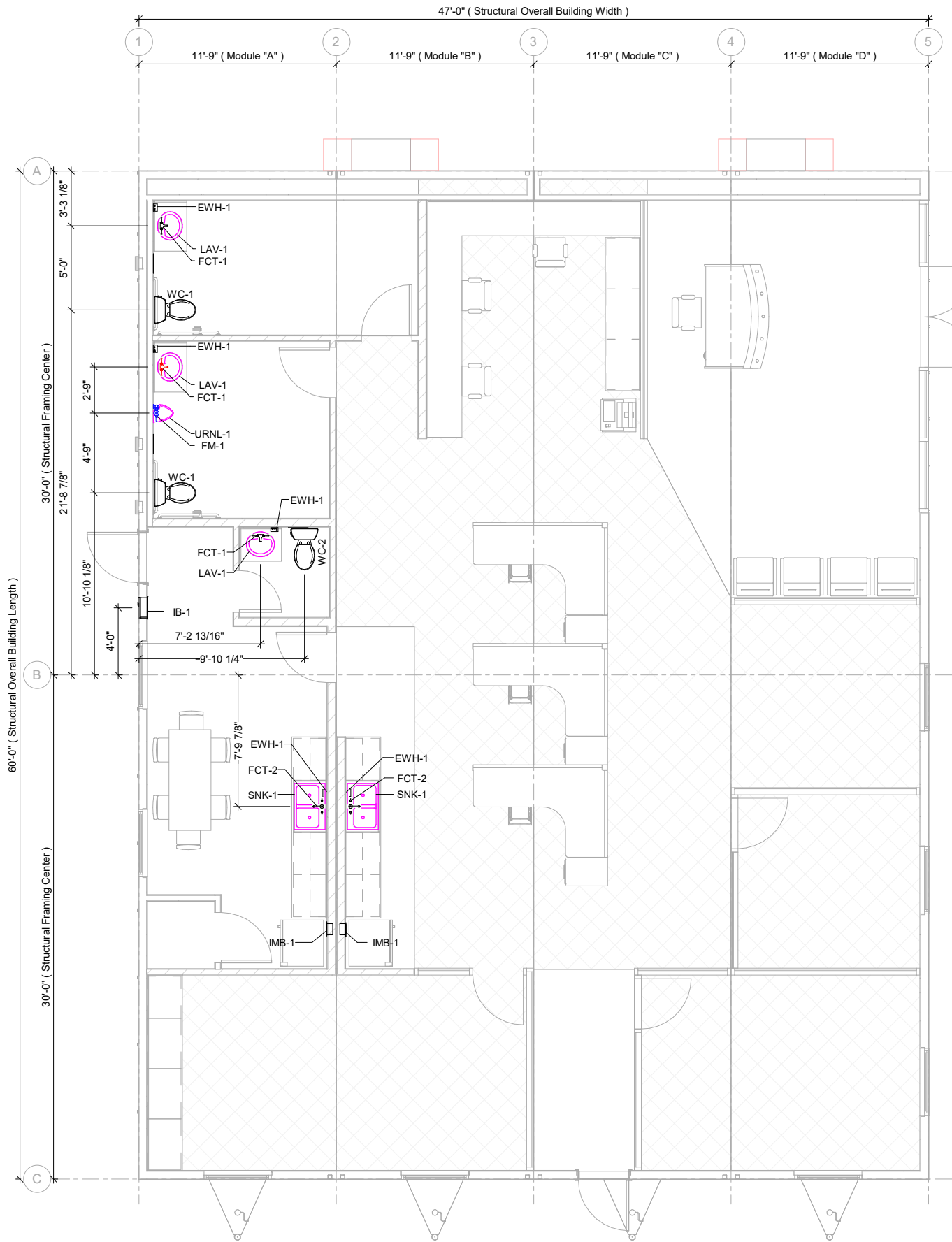
96006

Drawing Title:

**Building Elevation
Section Details**

Sheet Number:

A3.01



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Division of Housing

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Notes:
- Reference Page G0.02 For Schedules



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Design By: G. Arizmendez

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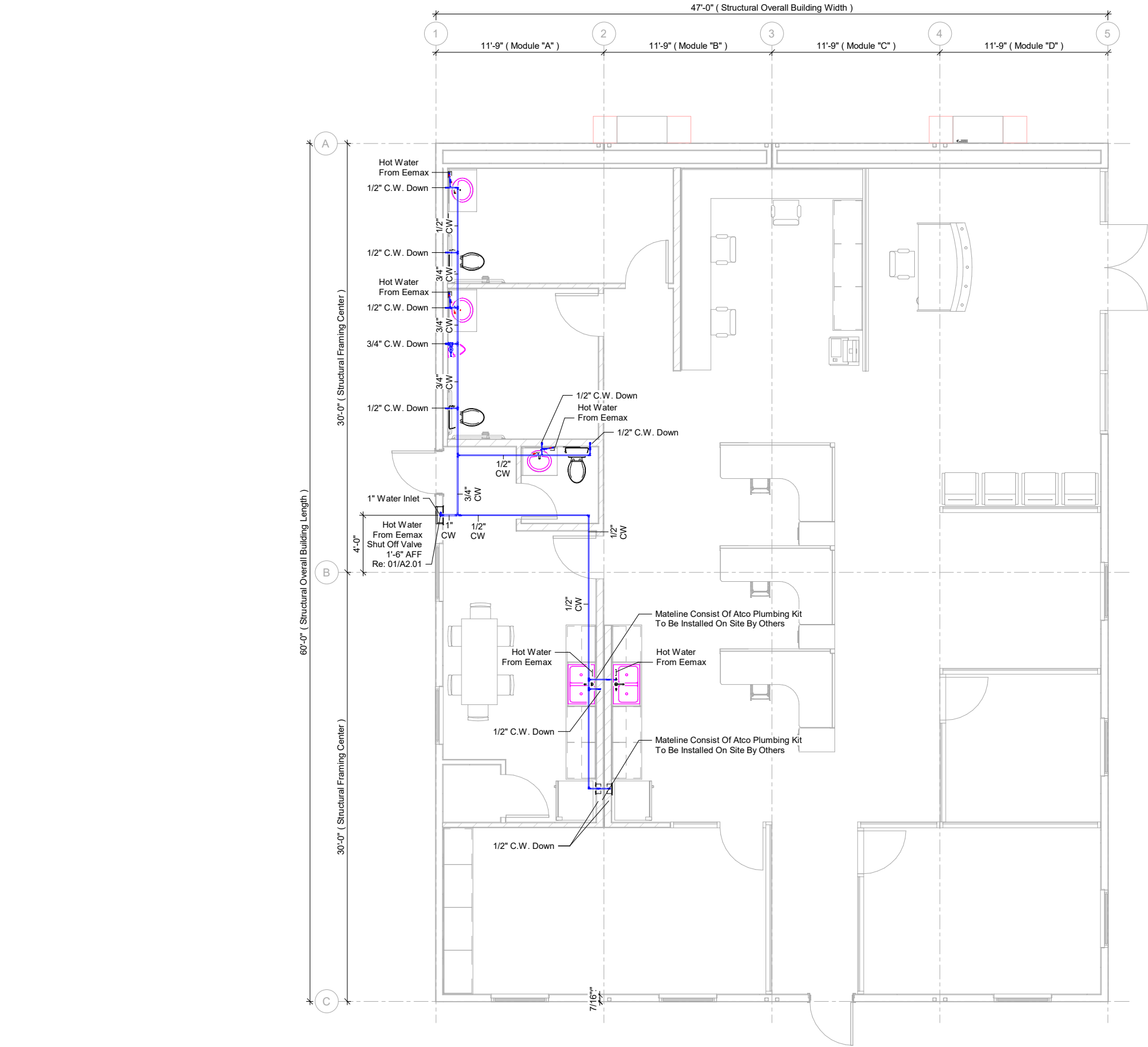
96006

Drawing Title:

Plumbing Fixture
Layout

Sheet Number:

P1.01



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- Reference Page G0.02 For Schedules



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Design By: G. Arizmendez

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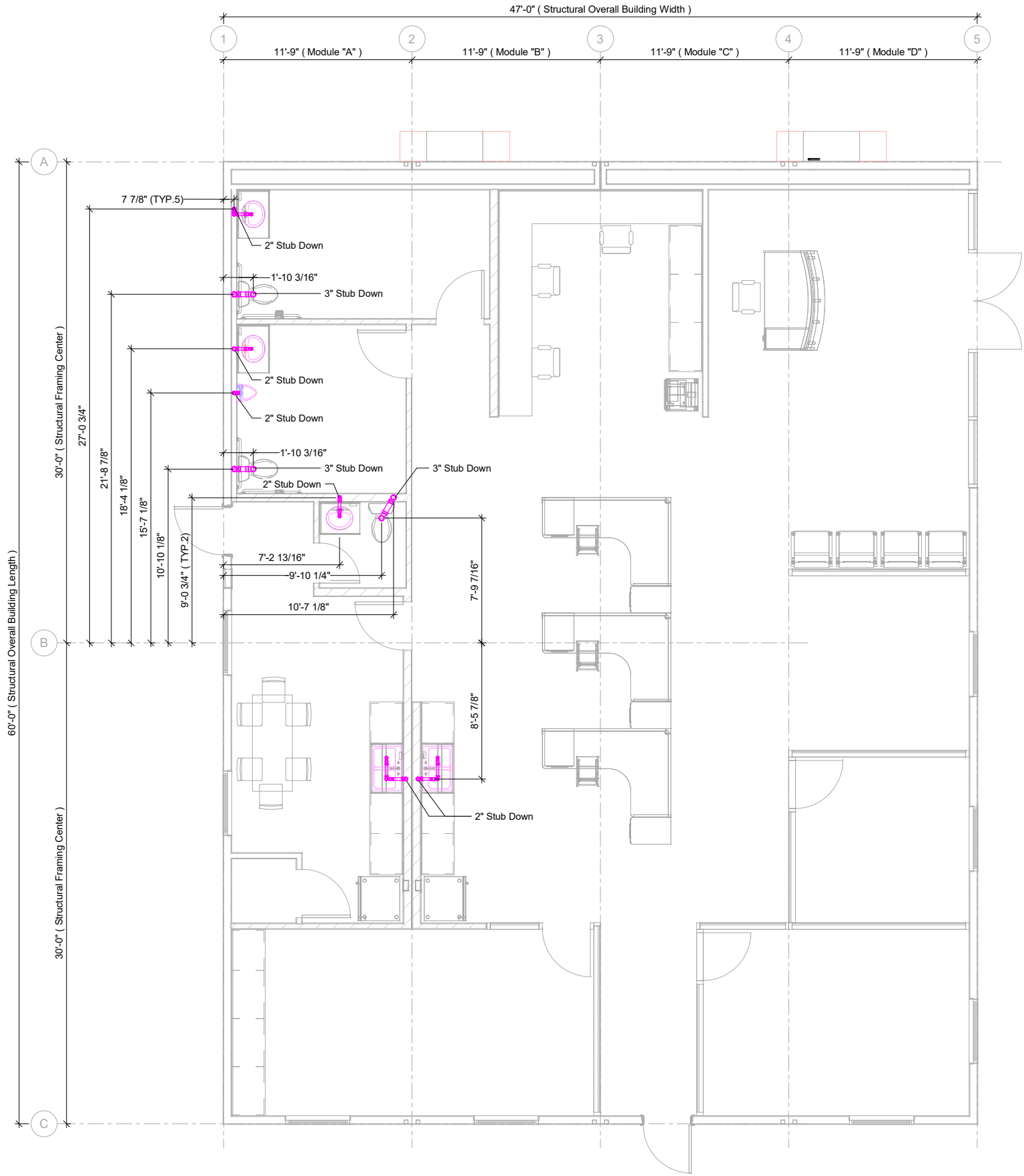
96006

Drawing Title:

Plumbing Domestic
Layout

Sheet Number:

P1.02



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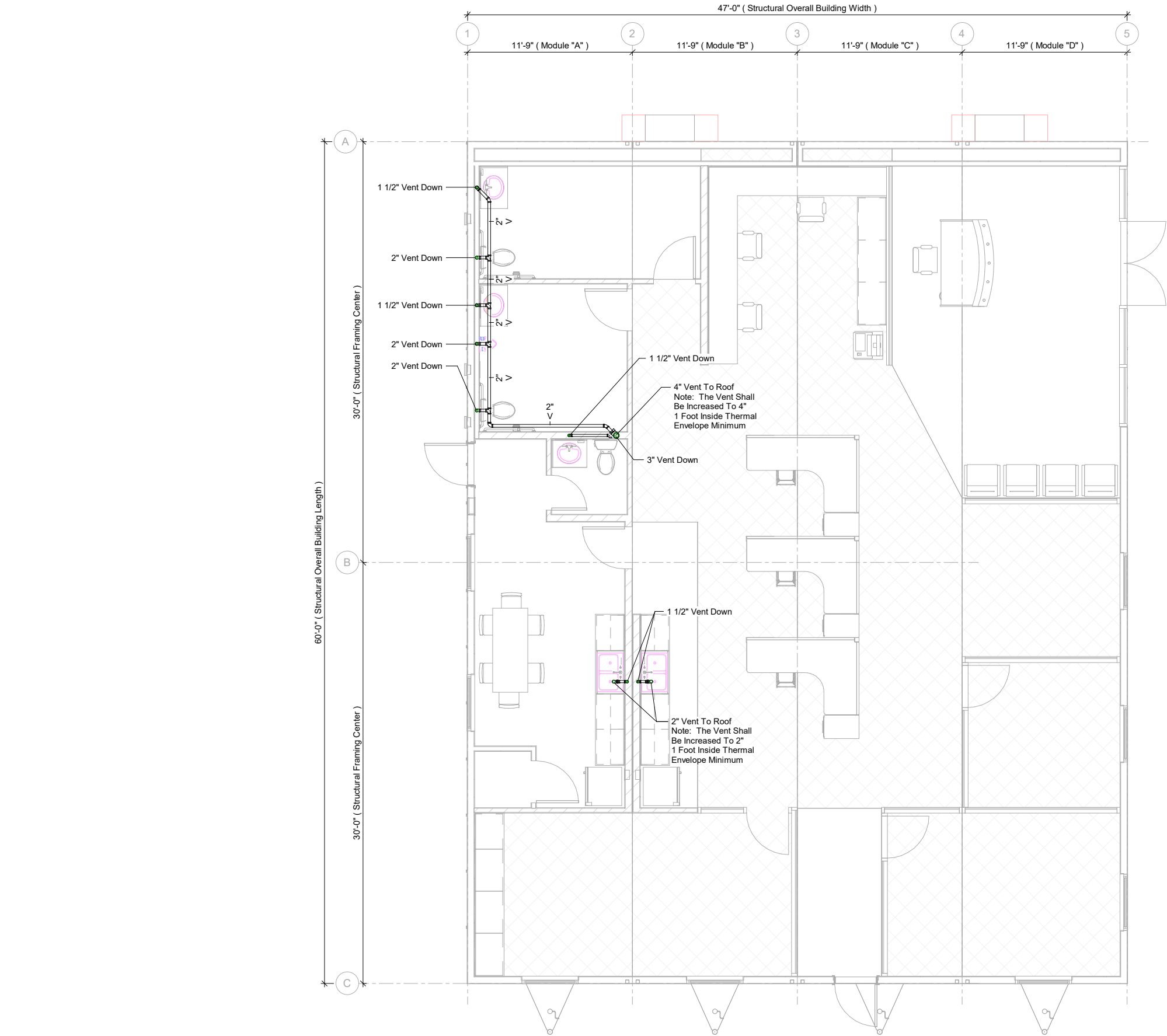
96006

Drawing Title:

Plumbing Sewer
Layout

Sheet Number:

P1.03



1 Plumbing Vent Layout
1/8" = 1'-0"

Notes:
- Reference Page G0.02 For Schedules

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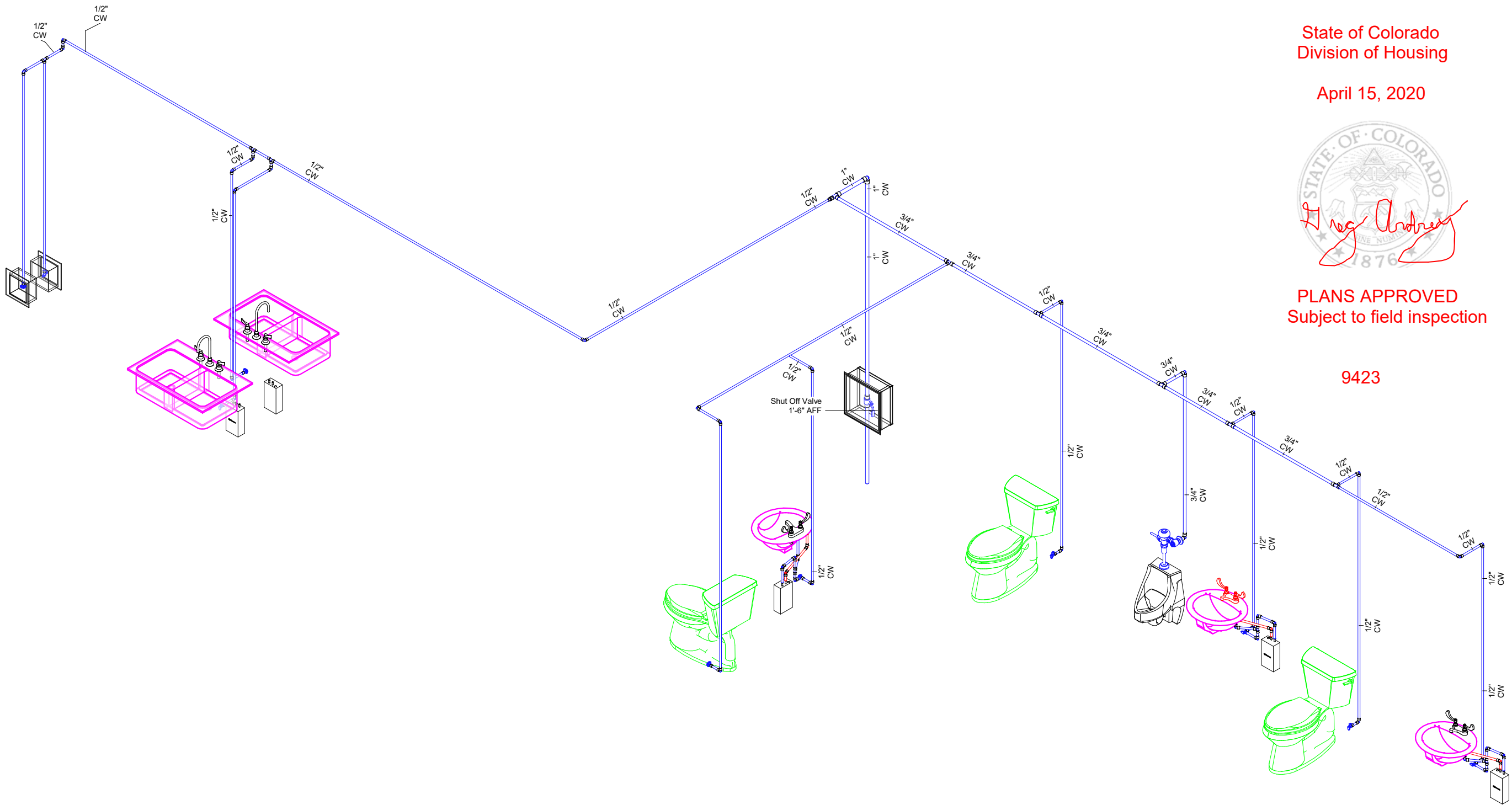
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Drawing Title:

Plumbing Vent
Layout

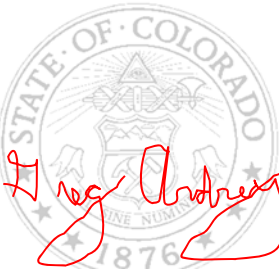
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P1.04



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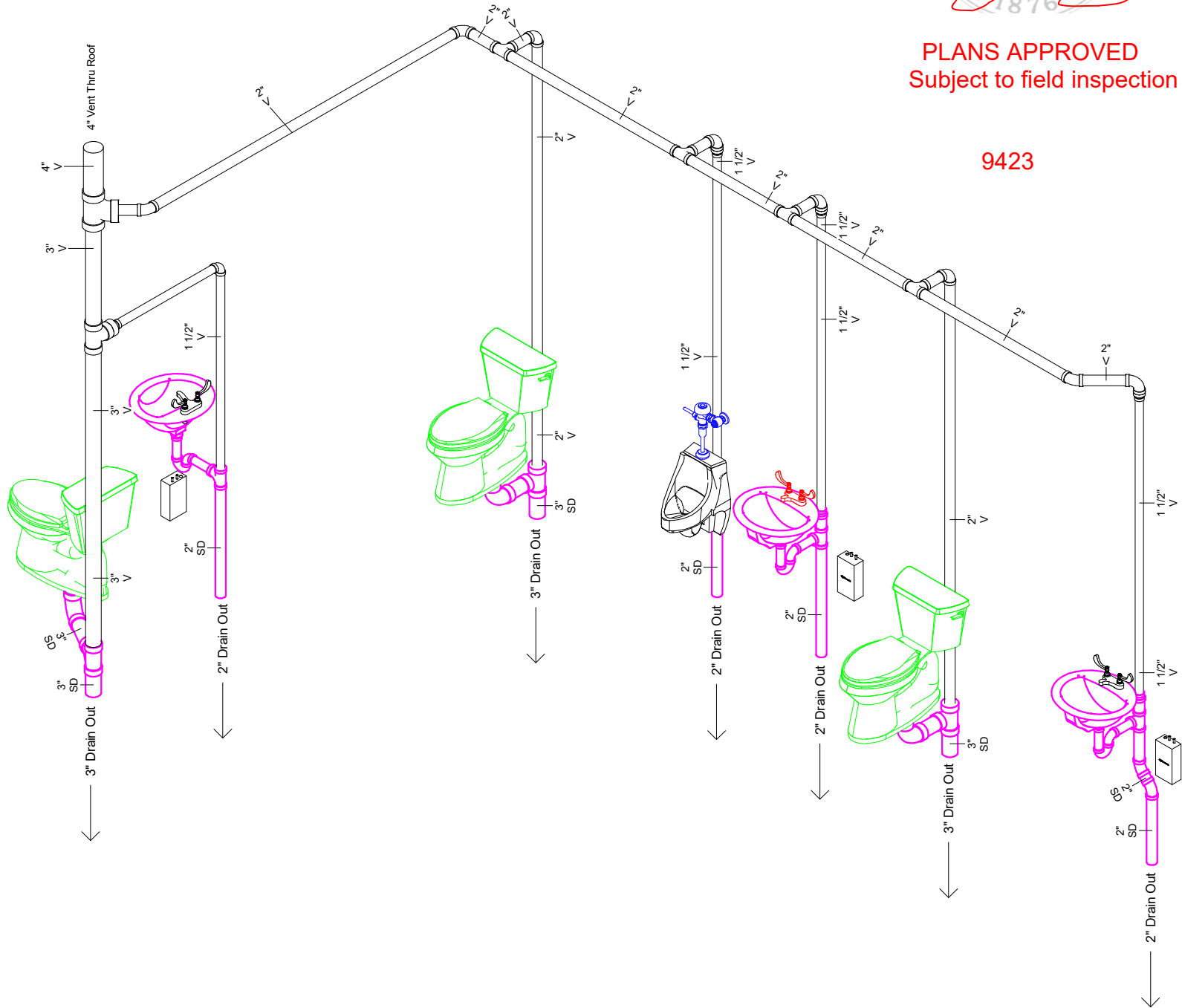
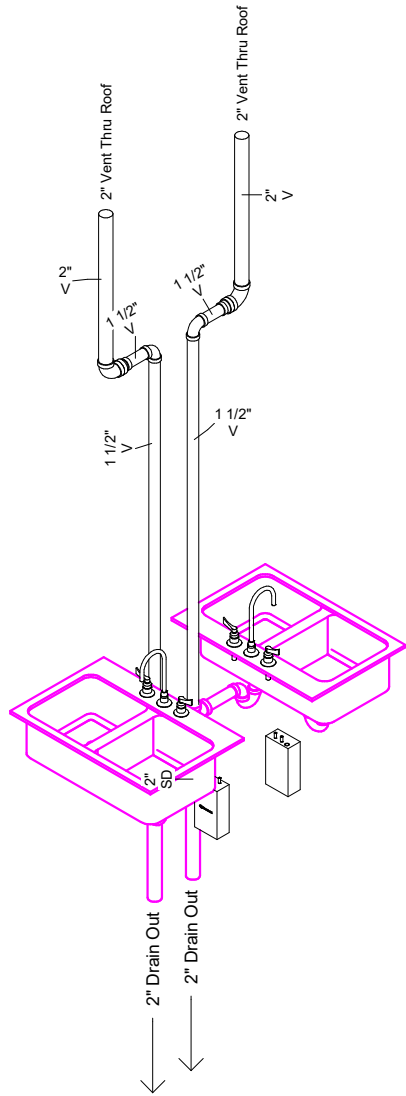
96006

Drawing Title:

Plumbing Isometric
Details

Sheet Number:

P2.01



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Project Date: 02/10/20

Design By: G. Arizmendez

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Project Number:

96006

Drawing Title:

Plumbing Isometric
Details

Sheet Number:

P2.02

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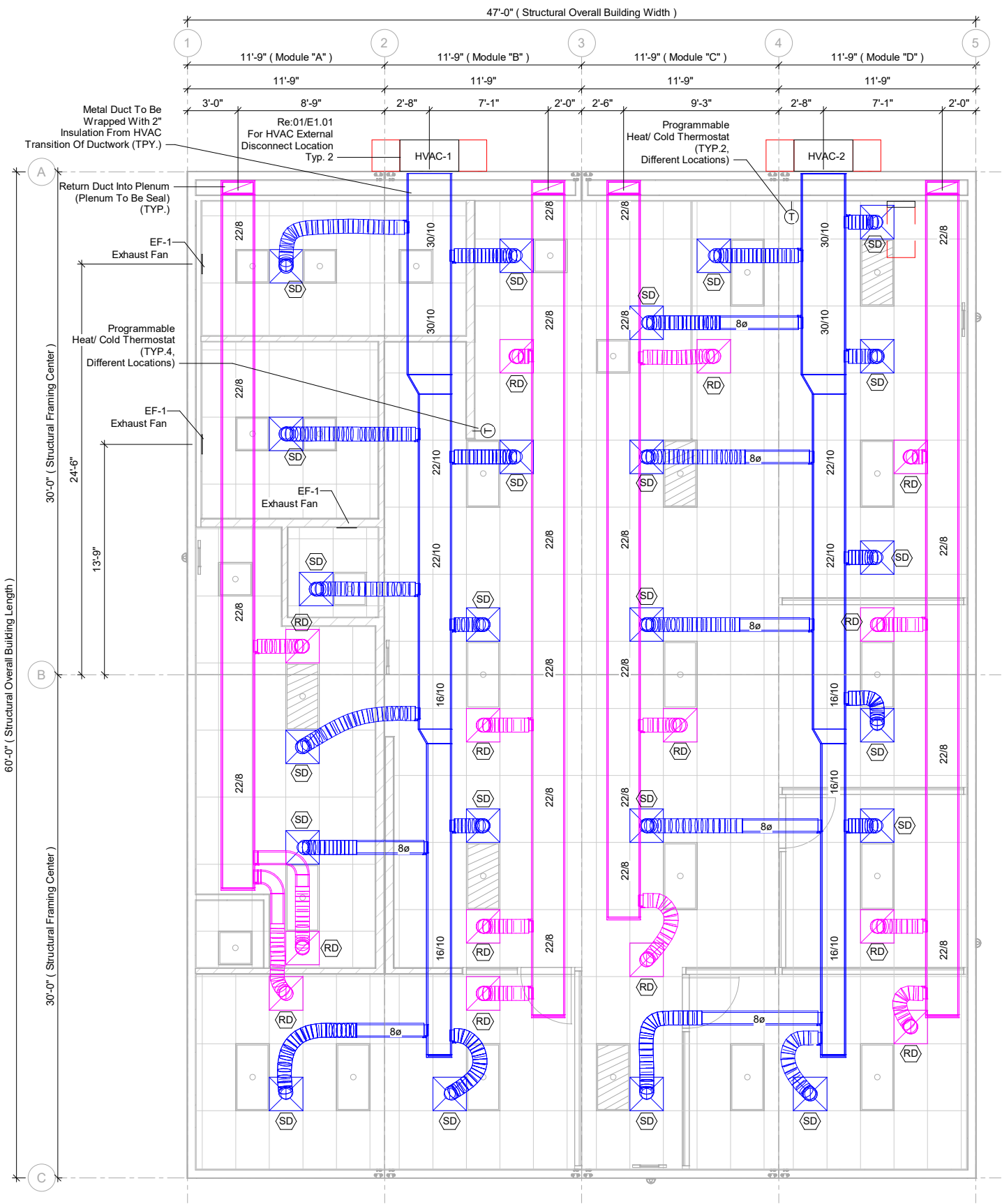
96006

Drawing Title:

Mechanical HVAC
Ductwork Layout

Sheet Number:

M1.01



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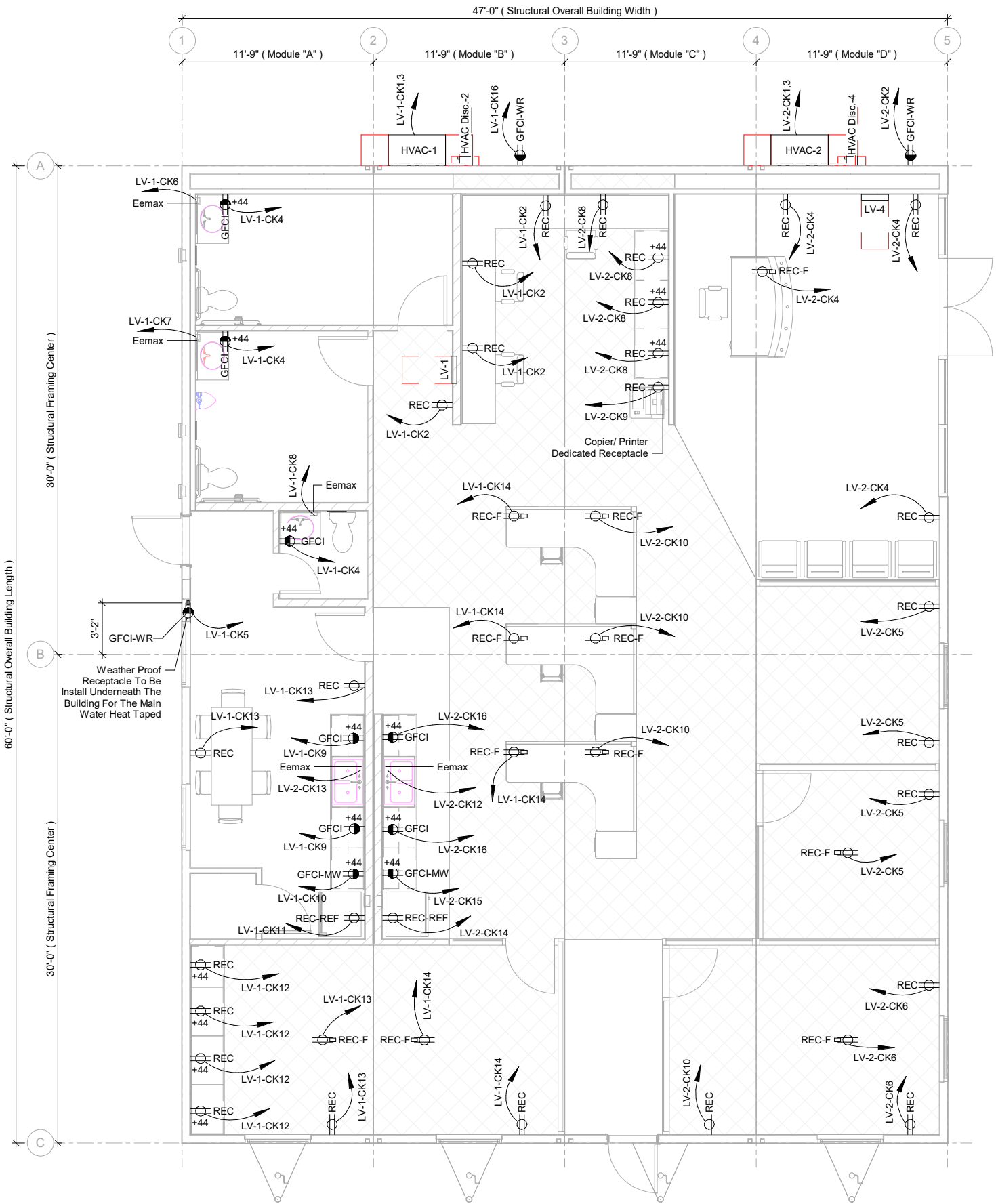
96006

Drawing Title:

Electrical Power &
Data Layout

Sheet Number:

E1.01



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Design By: G. Arizmendez

Project Name:

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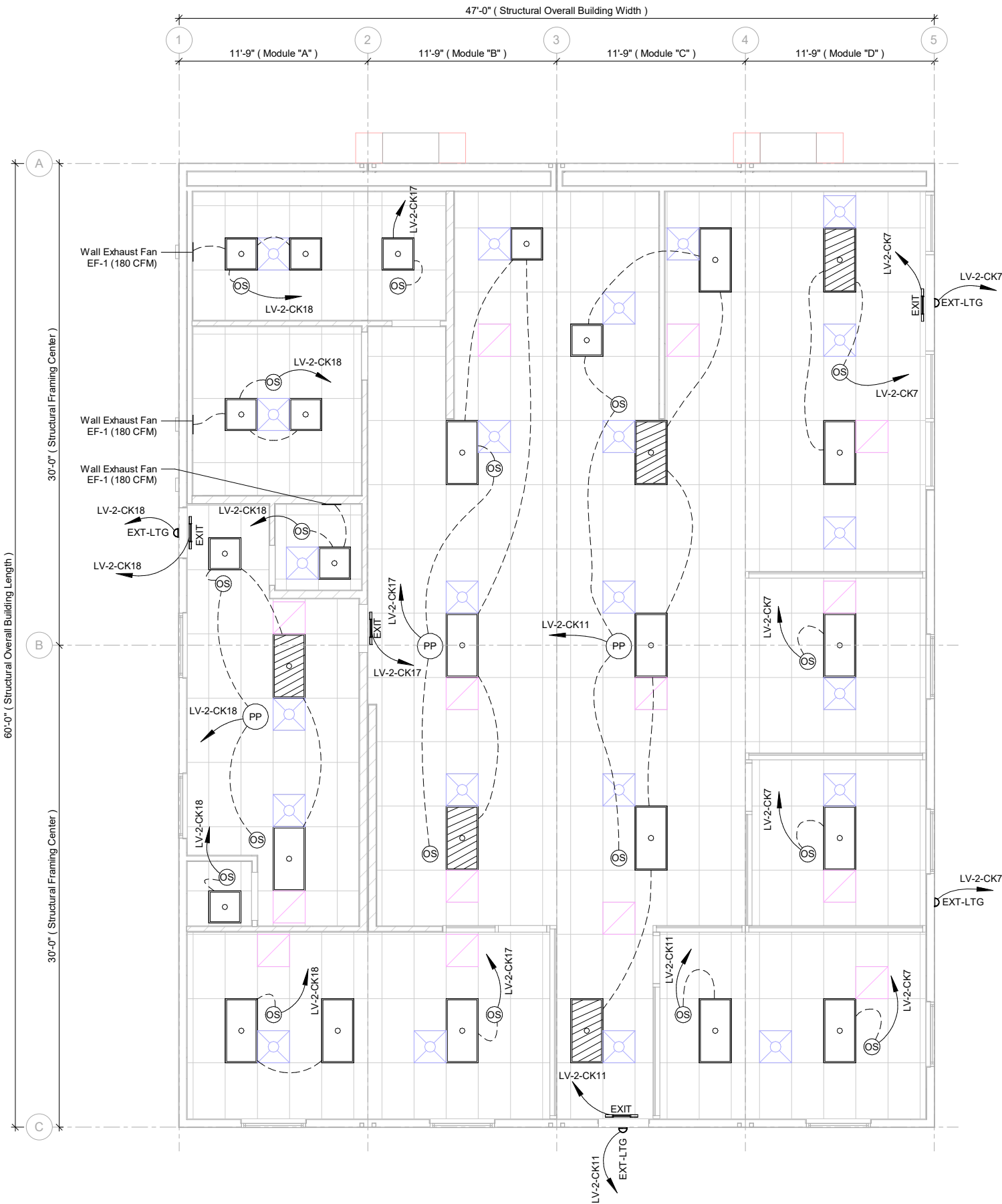
96006

Drawing Title:

Electrical Lighting
Layout

Sheet Number:

E2.01



Notes:
- Reference Page G0.02 For Schedules

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Project Date: 02/10/20

Design By: G. Arizmendez

Project Name:

ATCO Denver Branch Buildings

Project Number:

96006

Drawing Title:

Electrical Panel Schedule LV-1

Sheet Number:

E5.01

Location:
Supply From:
Mounting: Flush
Enclosure: NEMA 1

Volts: 120/240 Single
Phases: 1
Wires: 3

A.I.C. Rating: 10kA
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

Notes:

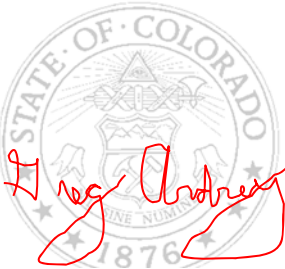
[illegible]

| | | |
|--------------------|----------|----------|
| Total Load: | 15460 VA | 17065 VA |
| Total Amps: | 129 A | 142 A |

Legend:

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---------------------|----------------|---------------|------------------|---------------------------|----------|
| HVAC | 19320 VA | 125.00% | 24150 VA | | |
| Receptacle | 6060 VA | 100.00% | 6060 VA | Total Conn. Load: | 32524 VA |
| Eemax SP2412 | 7200 VA | 125.00% | 9000 VA | Total Est. Demand: | 39141 VA |
| | | | | Total Conn.: | 136 A |
| | | | | Total Est. Demand: | 163 A |
| | | | | | |
| | | | | | |

April 15, 2020



Branch Panel: LV-2

Location:
Supply From:
Mounting: Flush
Enclosure: NEMA 1

Volts: 120/240 Single
Phases: 1
Wires: 3

A.I.C. Rating: 10kA
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

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Notes:

9423

| CKT | Circuit Description | Trip | Poles | A | | B | | Poles | Trip | Circuit Description | CKT |
|-------------|-----------------------------------|------|-------|----------|---------|----------|---------|-------|------|--|-----|
| 1 | HVAC | 20 A | 2 | 9660 VA | 180 VA | | | 1 | 20 A | Exterior Receptacle | 2 |
| 3 | | | | | | 9660 VA | 720 VA | 1 | 20 A | Receptacle (4) | 4 |
| 5 | Receptacle (4) | 20 A | 1 | 720 VA | 540 VA | | | 1 | 20 A | Receptacle (3) | 6 |
| 7 | Lighting/Exterior Ltg./ Exit Ltg. | 20 A | 1 | | | 244 VA | 720 VA | 1 | 20 A | Receptacle (4) | 8 |
| 9 | Copier/ Printer Receptacle | 20 A | 1 | 180 VA | 720 VA | | | 1 | 20 A | Receptacle (4) | 10 |
| 11 | Lighting/Exterior Ltg./ Exit Ltg. | 20 A | 1 | | | 292 VA | 2400 VA | 1 | 20 A | Eemax SP2412 | 12 |
| 13 | Eemax SP2412 | 30 A | 1 | 2400 VA | 1200 VA | | | 1 | 20 A | Refrigerator Receptacle | 14 |
| 15 | Microwave Receptacle | 20 A | 1 | | | 540 VA | 360 VA | 1 | 20 A | GFCI Receptacle (2) | 16 |
| 17 | Lighting/ Exit Ltg. | 20 A | 1 | 222 VA | 735 VA | | | 1 | 20 A | Lighting/Exterior Ltg./ Exit Ltg./ Exhaust Fan | 18 |
| 19 | | | | | | | | | | | 20 |
| Total Load: | | | | 16536 VA | | 14915 VA | | | | | |
| Total Amps: | | | | 138 A | | 124 A | | | | | |

Legend:

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---------------------|----------------|---------------|------------------|--------------------|----------|
| HVAC | 19320 VA | 125.00% | 24150 VA | | |
| Receptacle | 5880 VA | 100.00% | 5880 VA | Total Conn. Load: | 31451 VA |
| Lighting | 1132 VA | 125.00% | 1415 VA | Total Est. Demand: | 37844 VA |
| Exhaust Fan | 360 VA | 125.00% | 450 VA | Total Conn.: | 131 A |
| Eemax SP2412 | 4800 VA | 125.00% | 6000 VA | Total Est. Demand: | 158 A |
| | | | | | |
| | | | | | |



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Project Name:

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Project Number:

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Drawing Title:

Electrical Panel
Schedule LV-2

Sheet Number:

E5.02