

4.408.1 - Construction Waste Reduction, Disposal and Recycling

Reduce construction waste by 50%

4.408.2 - Construction waste management plan

Submitted Arch to make note on plans, Contractor to provide documentation to enforcement agency

Plan Intake: Verify waste management notes included on plans. Contractor to submit Construction Waste Management Plan to Approving Authority

Inspection: Review for compliance such as worksheets or documentation from waste management facility.

4.201.1 - Minimum Energy Efficiency

Meet Minimum Standards

Plan Intake: Verify compliance with submittal requirements for CEC

Inspection: Field verify specified measures in place

4.106.2 - Stormwater Drainage and Retention

< 1 acre, one or more BMP measures.

Plan Intake: Verify size and show on plans retention basins, filtering locations, and additional measures, as necessary.

Inspection: Field verify specified measures in place

4.106.3 - Surface Drainage

Site developed to keep surface drainage from entering buildings

Plan Intake: Verify measures addressed on Site Plan

Inspection: Verify site development as indicated in Plans

4.304.1 - Irrigation Controllers

Weather or Soil-Based Moisture sensors to automatically control irrigation

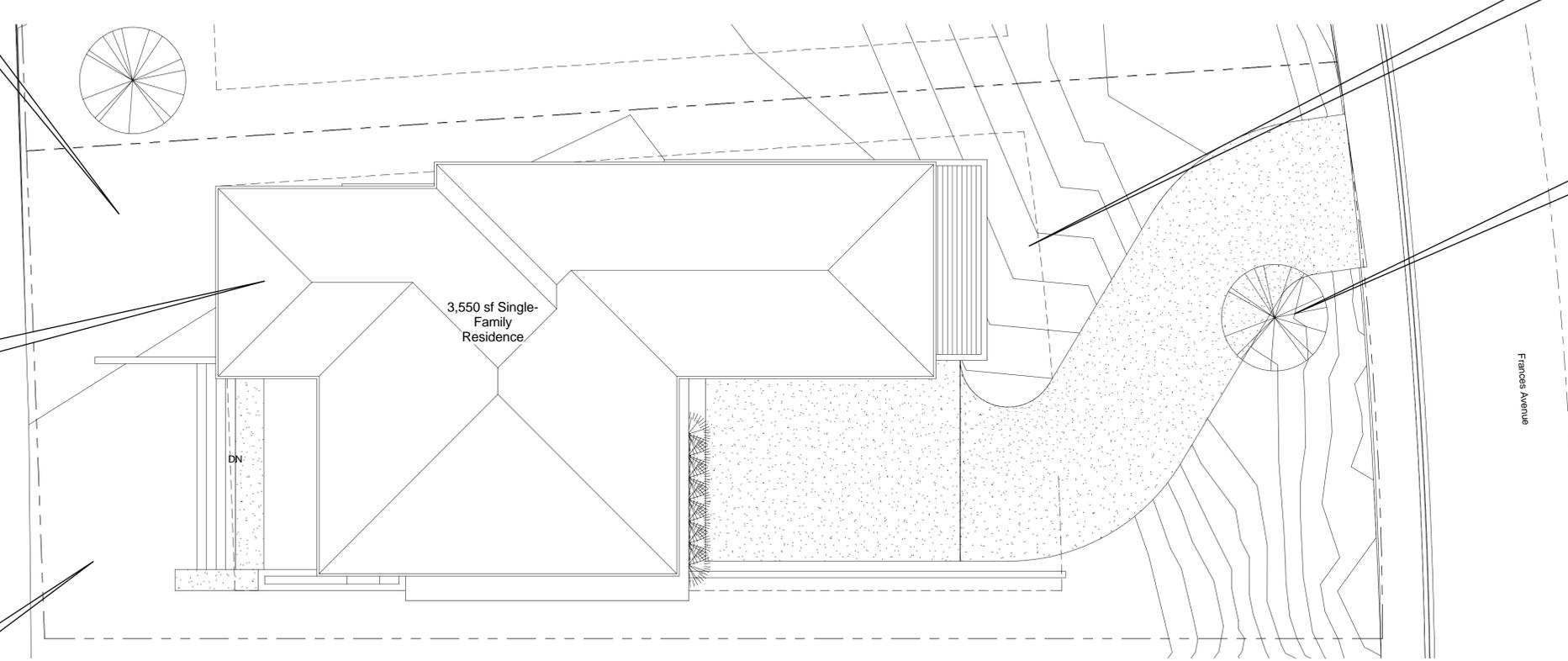
Plan Intake: Verify note included in Architectural or Landscape Plan

Inspection: Verify installation at Final Inspection

4.410.1 - Operation and Maintenance Manual

Plan Intake: Verify requirements of the manual provided in Architectural Plans.

Inspection: Contractor to provide reference material for the Owner completed at the time of Final Inspection.



4.504.4 - Resilient Flooring Systems
 Min. 50% of the flooring installed to meet VOC limits

Plan Intake: Verify note on plans or complying product specified

Inspection: Contractor to provide documentation, Inspector to field verify.

4.504.1 - Protection of Mechanical Equipment during construction
 All ducts and related air distribution components protected to prevent dust and debris from collecting in the system.

Plan Intake: Arch/Engineer to provide note

Inspection: Field verify throughout construction

4.504.2.1 - Adhesives, Sealants and Caulks
 Meet Min. VOC Limits or more stringent local rule

4.504.2.2 - Paints and Coatings
 Meet Min. VOC Limits or more stringent local rule

4.504.2.3 - Aerosol Paints and Coatings
 Meet Min. limits or more stringent local rule

Plan Intake: Verify note on plans or specifications referencing applicable regulation defining acceptable limits. Verify any specified product containing these compounds contain less than min. limits defined.

Inspection: Contractor to provide documentation, Inspector to field verify.

4.507.2 - Environmental Comfort: Heating and Air Conditioning Systems Design
 Systems designed and properly sized

Plan Intake: Verify appropriate calculations and size systems and ducts

Inspection: Field verify installation of specified equipment

4.505.2.1 - Capillary Break

Plan Intake: Verify detail included in plans.

Inspection: Field verify installation

4.505.3 Moisture Content of Building Materials
 Framing members shall not exceed 19% moisture content, protection of insulation

Plan Intake: Verify note included in plans.

Inspection: Field verify protection of all exposed wood throughout construction, periodically test for moisture content prior to enclosing walls

4.504.5 - Composite Wood Products
 Plywood, Particle Board, and MDF used shall meet the requirements for formaldehyde

Plan Intake: Verify note on plans, reference Table 4.504.5 and ASTM E1333-96(2002)

Inspection Contractor to provide documentation, Inspector to Field Verify

4.503.1 - Fireplaces
 Prevents the use of indoor air for either combustion or exhaust

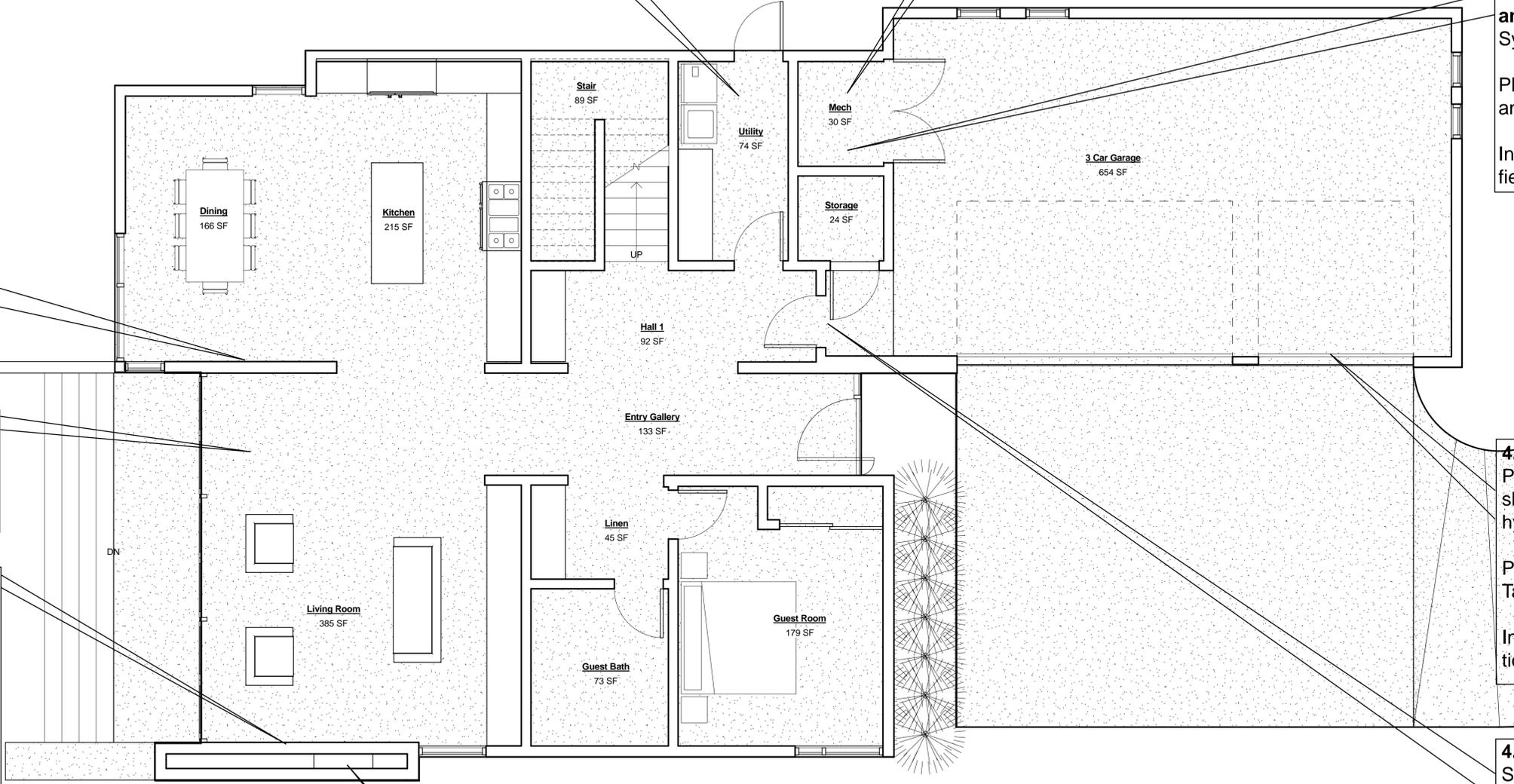
Plan Intake: Verify specification of Direct-Vent Gas Fireplace or a pellet or wood stove meeting US EPA phase II standards

Inspection: Verify Installation

4.406.1 - Joints and Openings
 Seal penetrations between conditioned and unconditioned space, protect against the passage of rodents.

Plan Intake: Verify note or details on plans as necessary.

Inspection: Field Verify gaps and openings around pipes, flues, vents, conduits, etc. are properly sealed



4.303.2 - Multiple Shower Heads
 Multiple shower heads in single shower

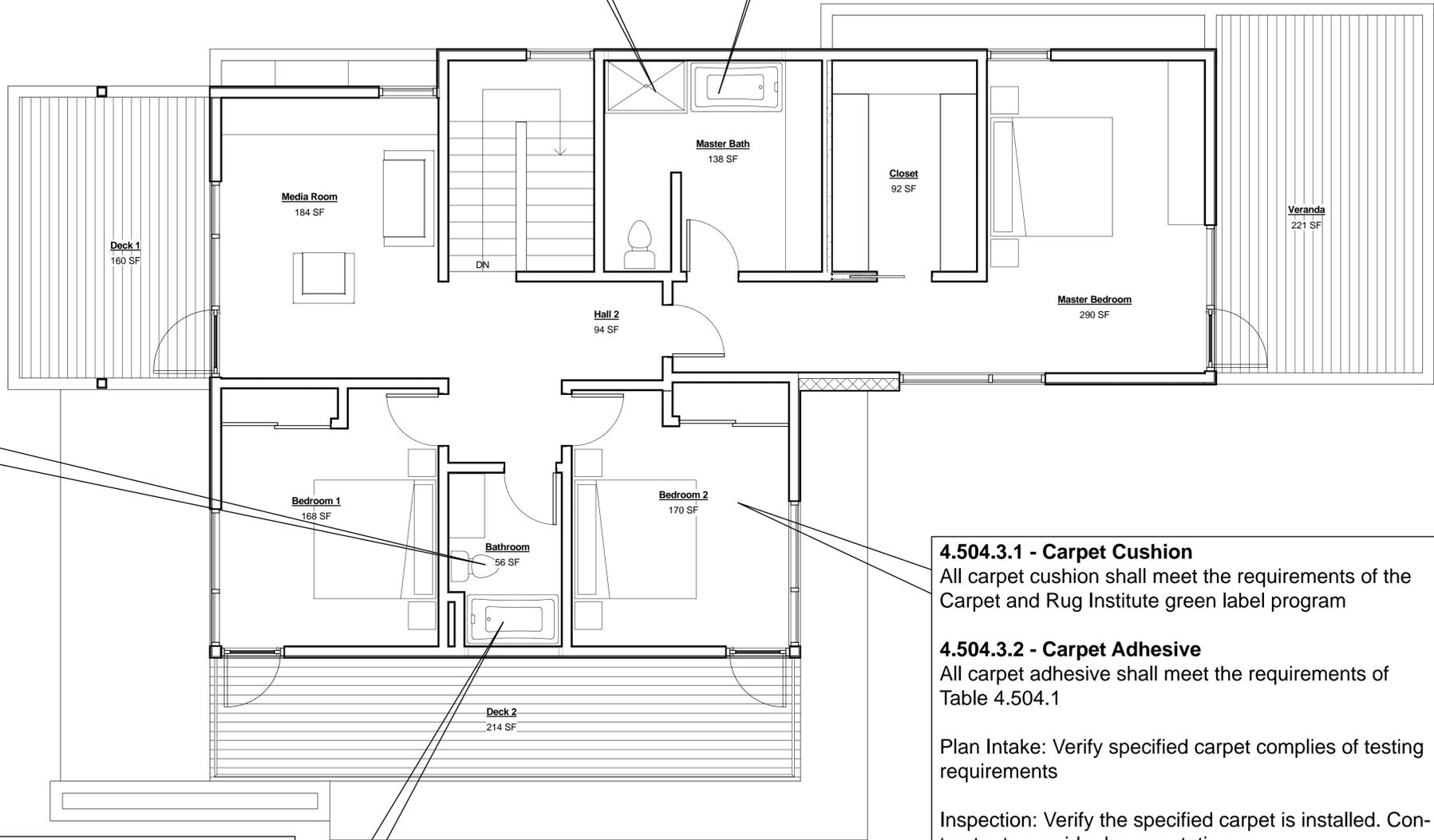
Plan Intake: Verify flow rate of specified fixtures complies with Table 4.303.2

Inspection: Field Verify Specified fixture installed

4.506.1 - Bathroom Exhaust

Plan Intake: Verify Energy Star Compliant vent specified, duct to exterior and humidistat controlled, unless part of a whole house ventilation system.

Inspection: Field Verify Specified Unit installed and properly ducted to the exterior



4.303.1 - 20% Water Use Savings

Plan Intake: Verify fixture specified (limited to water closets, urinals, lavatory faucets and showerheads) comply by either prescriptive method (Table 4.303.2 or reference ASME A112.19.233.2 and ASME A112.19.2 and ASME A112.19.14) or performance method (Worksheet WS-1: Baseline water use and WS-2: reduction water use calculation table)

Inspection: Field verify specified fixtures are properly installed

4.303.3 - Plumbing Fixtures and Fittings
 Plumbing fixtures shall meet the standards reference in Table 4.303.3

Plan Intake: Verify the specified fixtures meet the standards reference in Table 4.303.3. Arch/Eng. to list reference standards on plumbing notes

Inspection: Field Verify Specified fixture installed

4.504.3.1 - Carpet Cushion
 All carpet cushion shall meet the requirements of the Carpet and Rug Institute green label program

4.504.3.2 - Carpet Adhesive
 All carpet adhesive shall meet the requirements of Table 4.504.1

Plan Intake: Verify specified carpet complies of testing requirements

Inspection: Verify the specified carpet is installed. Contractor to provide documentation

5.304.2 - Outdoor Potable Water Use
 For landscape areas between 1,000sf and 5,000sf, provide separate meters or submeters for indoor and outdoor potable water use.

Plan Intake: Review construction documents to confirm a separate meter is specified for landscaped areas between 1,000sf-5,000sf

Inspection: Verify meters installed if required by approved plans.

5.106.8 - Light Pollution Reduction
 Design interior and exterior illumination so that zero direct-beam illumination leaves the site

Plan Intake: Verify compliance with submittal requirements with parts 1,2 and 6. confirm photometric data for site lighting and controls

Inspection: Field verify specified fixtures are properly installed. Site visit after dark to take light measurements within 15 outside the property line

5.106.10 - Grading and Paving
 Site developed to keep surface drainage from entering buildings

Plan Intake: Verify surfaces slope away from the building and measures to manage surface water flow

Inspection: Verify site development as indicated in Plans

5.106.5.2 - Designated Parking
 Provide designated parking spaces per table 5.106.5.2.

Plan Intake: Verify a calculation indicating total parking and min. required designated parking from Table. Check for a note or detail describing stall painting for designated spaces

Inspection: Field Verify "CLEAN AIR VEHICLE" are located and painted as indicated in plans

5.106.1 - Storm Water-Soil Loss Prevention Plan
 < 1 acre, implement BMP measures to prevent soil loss due to water run-off, wind erosion and/or dust/particulate air pollution

Plan Intake: Verify size and show on plans retention basins, filtering locations, and additional measures, as necessary. Verify "housekeeping" BMPs

Inspection: Field verify specified measures in place

5.106.4.1 - Short-term Bicycle Parking
 Provide permanently anchored racks within 200ft of visitor entrance equal to 5% of visitor vehicle capacity, min. of (1) - 2 Bike rack

5.106.4.2 - Long-term Bicycle Parking
 >10 tenant-occupants, provide equivalent bike parking for 5% of vehicle capacity, min 1 space. Space shall be either, covered, lockable enclosures, lockable rooms, or lockable, permanently anchored lockers

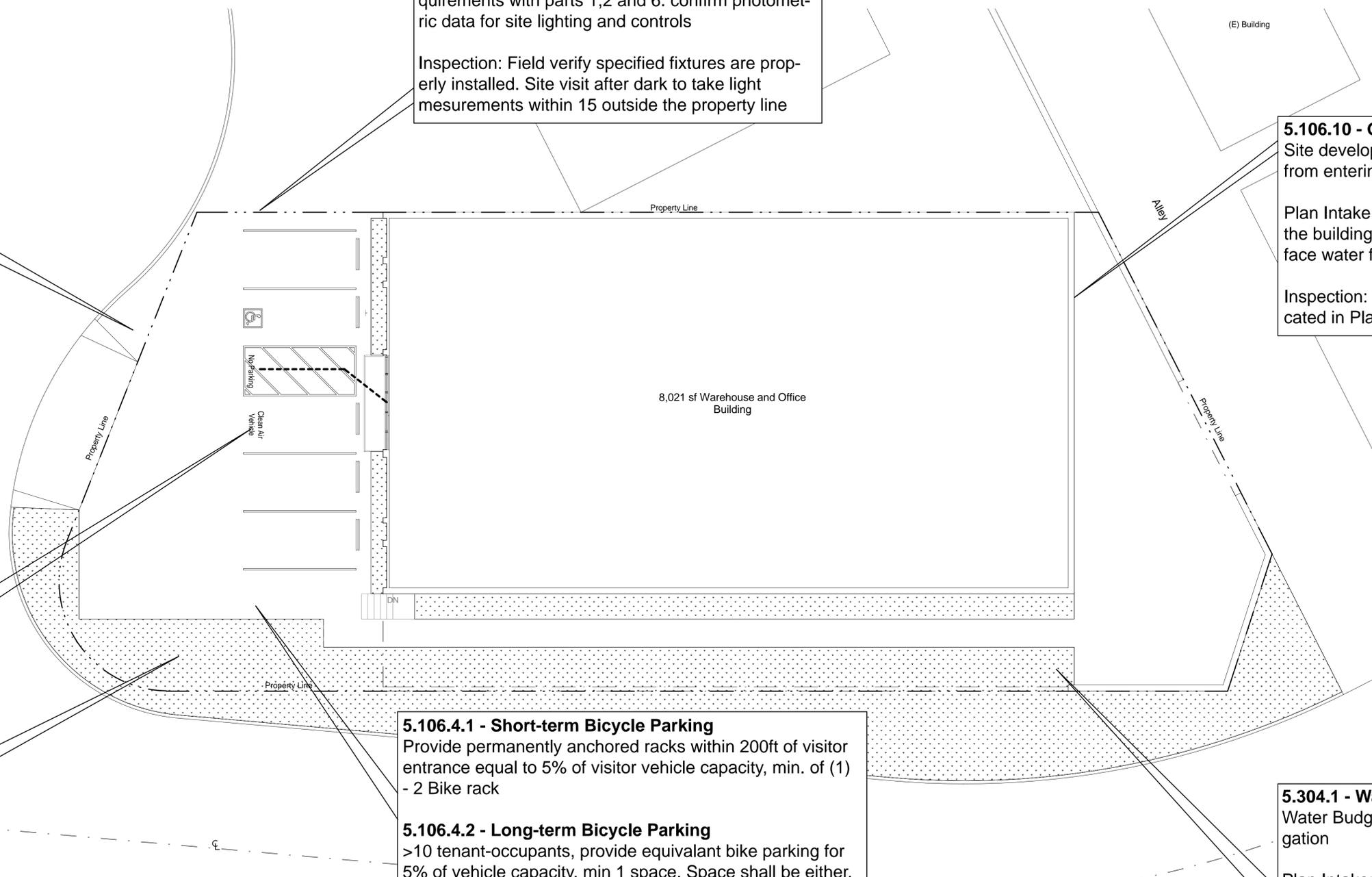
Plan Intake: Verify inclusion of calculation table and a note on plans indicating minimum spaces, for short and long-term parking. Verify adequate number of spaces provided.

Inspection: Field verify specified measures in place

5.304.1 - Water Budget
 Water Budget developed for landscape irrigation

Plan Intake: Confirm calculation to conform to water budget either by local ordinance and/or California Department of Water Resources Model Water Efficient Landscape Ordinance

Inspection: Verify installation per approved drawings, MLO or other local ordinance compliance form may serve this purpose



5.408.1 - Construction Waste Diversion

5.408.2 - Construction waste management plan

Establish a construction waste management plan (WMP)

Plan Intake: Verify waste management notes included on plans. Contractor to submit Construction Waste Management Plan to Approving Authority

Inspection: Review for compliance such as worksheets or documentation from waste management facility.

5.408.3 - Construction waste reduction of at least 50 percent

Recycle and/or salvage for reuse a minimum of 50 percent of the non-hazardous construction and demolition debris

Plan Intake: Verify a WMP is included on the plans

Inspection: Review WMP and verify documentation demonstrating a min. 50% waste reduction

5.408.4 - Excavated soil and land clearing debris

100% of trees, rocks and vegetation resulting from land clearing shall be reused or recycled

Plan Intake: verify appropriate note on plans, WMP, or CWM Worksheet that describes disposal of land clearing debris

Inspection: Field verify that the excavated soil and land clearing debris is being reused or recycled

5.201.1 - Minimum Energy Efficiency

Meet Minimum Standards

Plan Intake: Verify compliance with submittal requirements for CEC

Inspection: Field verify specified measures in place

5.410.4.5 - Operation and Maintenance Manual (O&M)

Provide (O&M) manual to Owner or building representative

Plan Intake: Verify Note on Plans

Inspection: Field verify completed O&M available on site at final inspection

5.508.1.1 Ozone Depletion and greenhouse gas reduction - CFC's

Install HVAC, refrigeration and fire suppression equipment that do not contain CFC's

5.508.1.2 - Ozone Depletion and greenhouse gas reduction - Halons

Install HVAC, refrigeration and fire suppression equipment that do not contain Halons

Plan Intake: Verify new equipment is specified on the plans

Inspection: Field verify specified equipment is properly installed. Inspection of the equipment may be combined with verification of building commissioning or testing and adjusting

5.504.7 - Environmental Tobacco Smoke (ETS) control

Where outdoor areas are provided for smoking, prohibit smoking within 25 feet of entries, outdoor air intakes and operable windows, or by more stringent local ordinance.

Plan Intake: If an outdoor smoking area is shown, signage is specified and located.

Inspection: Field verify signage is installed, if required.

5.304.3 - Irrigation Design

For landscaped area between 1,000sf-2,500sf, install irrigation controllers and sensors.

Plan Intake: Confirm irrigation controllers and sensors are weather or soil moisture-based

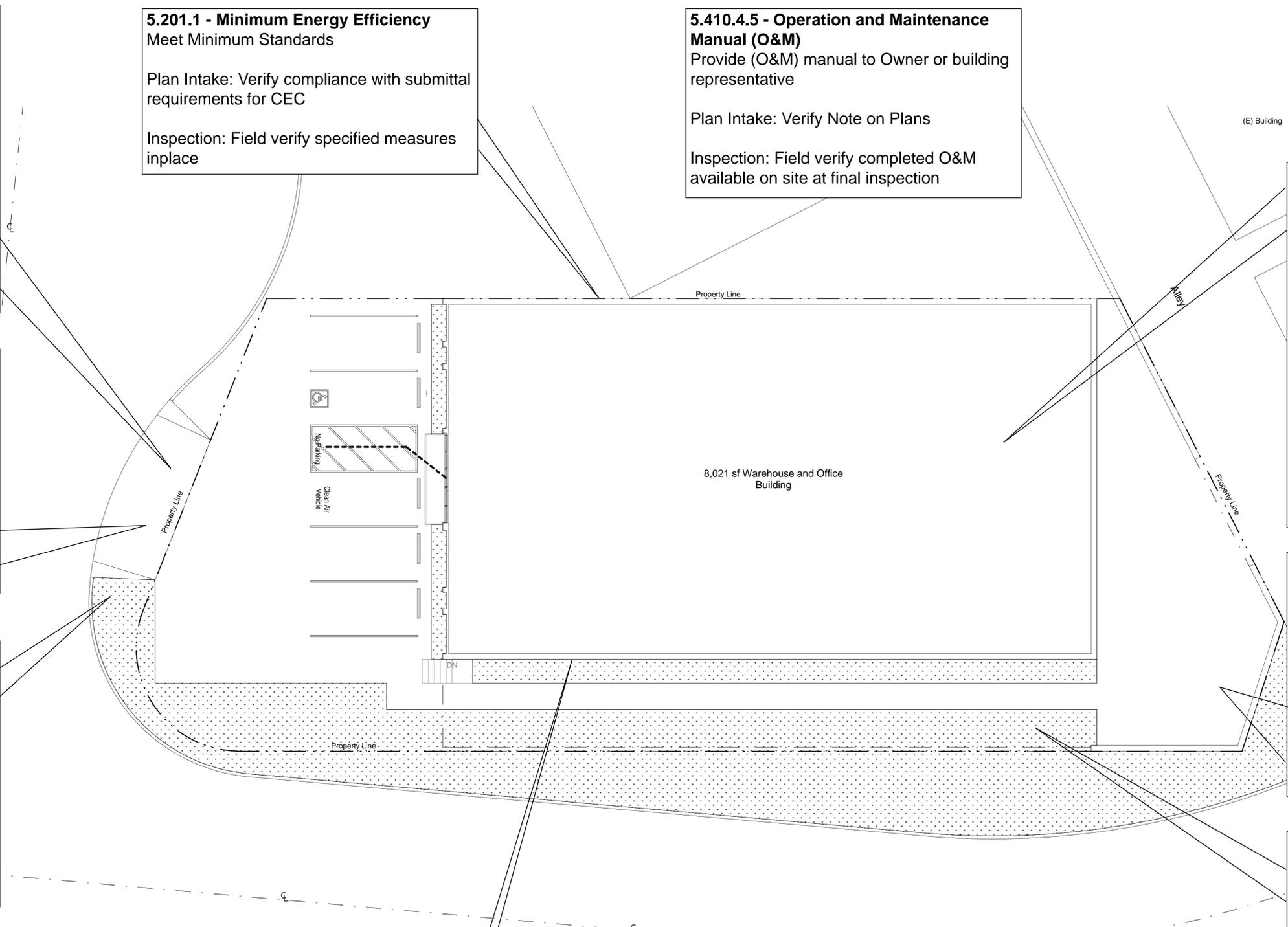
Inspection: Field verify the specified controllers and sensors are properly installed and functioning. A certification form may serve as compliance

5.407.2.1 - Moisture Control - Sprinklers

Design and maintain landscape irrigation systems to prevent spray on structures

Plan Intake: Review sprinkler design

Inspection: Field verify specified sprinkler design is properly installed



Site Plan

5.504.4.1 - Adhesives, Sealants and Caulks

Meet Min. VOC Limits or more stringent local rule

5.504.4.3 - Paints and Coatings

Meet Min. VOC Limits or more stringent local rule

5.504.4.3.1 - Aerosol Paints and Coatings

Meet Min. limits or more stringent local rule

Plan Intake: Verify note on plans or specifications referencing applicable regulation defining acceptable limits. Verify any specified product containing these compounds contain less than min. limits defined.

Inspection: Contractor to provide documentation, Inspector to field verify.

5.507.4.1 - Acoustical Control - Exterior Sound

Wall and roof-ceiling assemblies making up the building envelope shall have a min. STC of 50 and exterior windows shall have a min. STC of 30 when within 1000ft of freeways, 5mi. of airports serving 10,000 commercial jet per year, or when sound levels are the property line regularly exceed 65dB.

Plan Intake: Verify assembly detail included on plans

Inspection: Field verify installation

5.507.4.2 - Acoustical Control - Indoor Sound

Wall and floor-ceiling assemblies between tenant spaces and tenant/public spaces shall have a min. STC of 40

Plan Intake: Verify assembly detail included on plans

Inspection: Field verify installation

5.504.5 - Resilient Flooring Systems

Min. 50% of the flooring installed to meet VOC limits

Plan Intake: Verify note on plans or complying product specified

Inspection: Contractor to provide documentation, Inspector to field verify.

5.303.2 - 20% Savings

reduce the overall interior potable water use by 20% based on a baseline standard

Plan Intake: Verify compliance with either the prescriptive method (Table 5.303.2.3 & specification) or performance method (Table 5.303.2.2 & calculation)

Inspection: Field verify specified fixtures are properly installed

5.504.3 - Covering of duct openings and protection of mechanical equipment during construction

All ducts and related air distribution components protected to prevent dust and debris from collecting in the system.

Plan Intake: Arch/Engineer to provide note

Inspection: Field verify throughout construction

5.410.2 - Testing and Adjusting

<10,000sf Provide written plan for testing and adjusting systems. At a minimum: HVAC, Lighting, Water Heating, Irrigation, Water Reuse, Renewable Energy Systems.

Plan Intake: Verify inclusion of Testing and Adjusting of systems plan.

Inspection: Verify final report, signed by individual responsible for these services.

5.407.1 - Weather Protection

Provide a weather-resistant exterior wall and foundation envelope per CBC 1403.2

Plan Intake: Confirm envelope and foundation meet CBC minimum requirements

Inspection: Field verify installation per approved plans

5.506.2 - Carbon Dioxide (CO2) Monitoring

Install CO2 sensors and ventilation controls with the requirements of the CEC, T24, part 6

Plan Intake: Verify sensors are indicated on plans conforming to CEC T24, Part 6

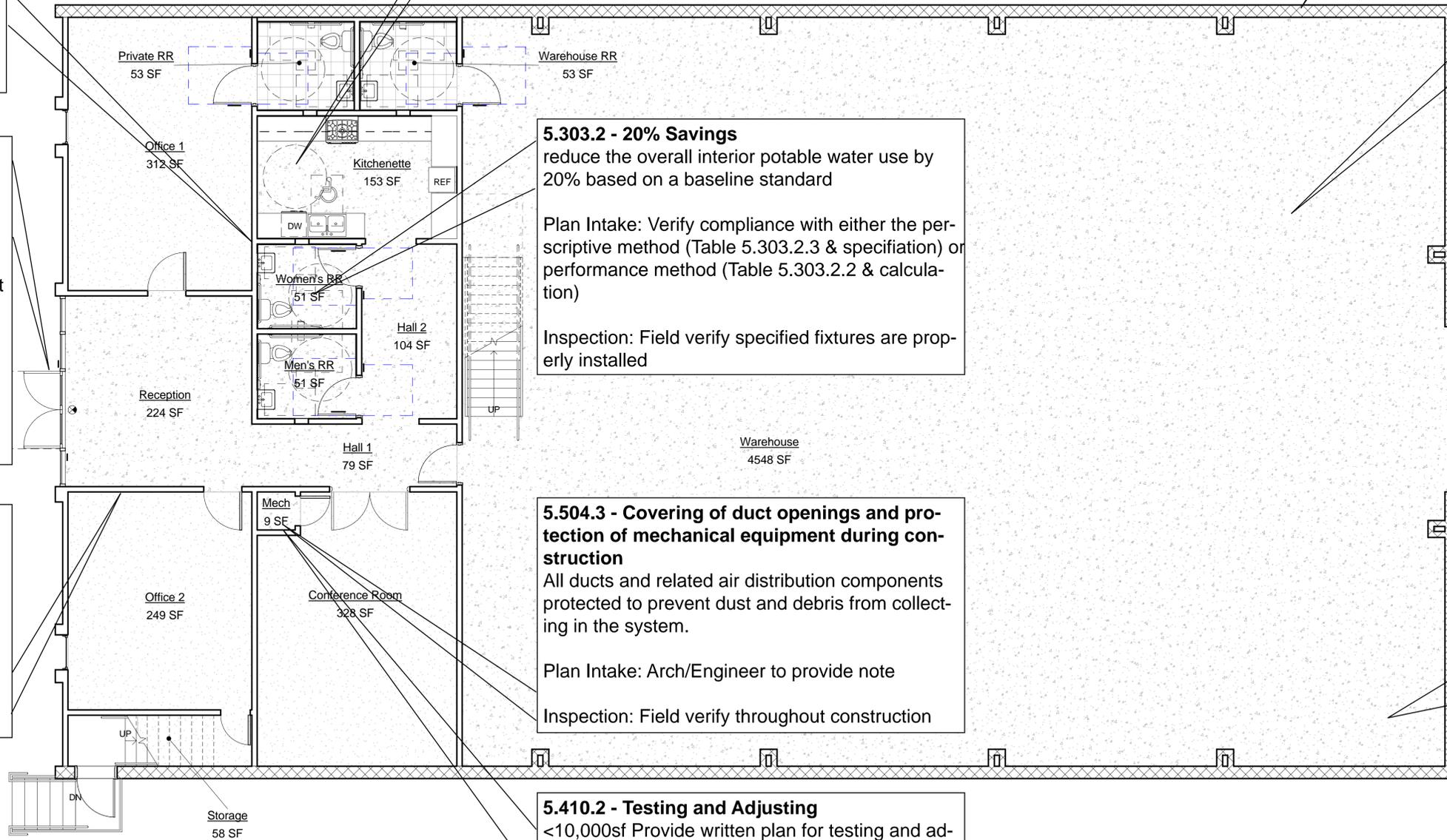
Inspection: Field verify installation and confirm calibration of sensors

5.410.1 - Recycling by occupants

Provide readily accessible areas that serve the entire building and are identified for the depositing, storage, and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics and metals.

Plan Intake: review plans and verify the appropriate recycling areas and signage have been provided on the plans.

Inspection: Field verify recycling area and signage are installed.



First Floor

5.303.4 - Waste water reduction

Reduce waste water by 20%

Plan Intake: Verify waste water reduction achieved by either, installation of water-conserving fixtures, or utilizing nonpotable water systems (rainwater, graywater, etc.)

Inspection: Field Verify Specified fixture installed. If a non-potable system is used, verify it meets local ordinances and operates properly

5.303.2.1 - Multiple Shower Heads

Multiple shower heads in single shower flow shall not exceed Table 5.303.2.3 or one shower head at a time

Plan Intake: Verify flow rate of specified fixtures complies with Table 4.303.2 or note on plan

Inspection: Field Verify Specified fixture installed

5.407.2.2- Entries and Openings

Design exterior entries and/or openings subject to foot traffic or wind-driven rain to prevent water intrusion into buildings.

Plan Intake: Verify design features are addressed at entries and openings

Inspection: Field verify specified features are properly installed at all entries and openings

5.303.6 - Plumbing fixtures and fittings

Water closets, urinals, faucets and shower-heads shall meet standards referenced in Table 5.303.6

Plan Intake: Verify specified fixtures meet Table 5.303.6

Inspection: Field Verify Specified fixture installed

5.504.4.4.1 - Carpet Cushion

All carpet cushion shall meet the requirements of the Carpet and Rug Institute green label program

5.504.4.4.2 - Carpet Adhesive

All carpet adhesive shall meet the requirements of Table 4.504.1

Plan Intake: Verify specified carpet complies of testing requirements

Inspection: Verify the specified carpet is installed. Contractor to provide documentation

5.505.1 - Indoor moisture control

Meet or exceed the provisions of CBC, CCR, Title 24, Part 2 Sections 1203 (Ventilation) and Chapter 14 (Exterior Walls)

Plan Intake: Verify details to control moisture are detailed and specified.

Inspection: Field verify the moisture control measures are properly installed. Collect a copy of self-certification form if completed and signed by the contractor.

5.506.1 - Outside Air Delivery

For Mechanically or Naturally Ventilated spaces, meet the minimum requirements of section 121 (Requirements for ventilation) of the CEC, CCR, Title 24, Part 6 or local code (if more stringent)

Plan Intake: Review plans and specifications to verify building ventilation is calculated and specified to Title24, Part 6 and Part 8 (if applicable)

Inspection: Field verify mechanical and natural ventilation features have been properly installed. Adequate pre-occupancy building ventilation shall be verified.

5.504.4.5 - Composite Wood Products

Plywood, particle board and MDF wood products shall meet the requirements for formaldehyde as defined in Table 5.504.4.5

Plan Intake: Review plans and specifications to verify wood products meet ASTM E1333-96(2002).

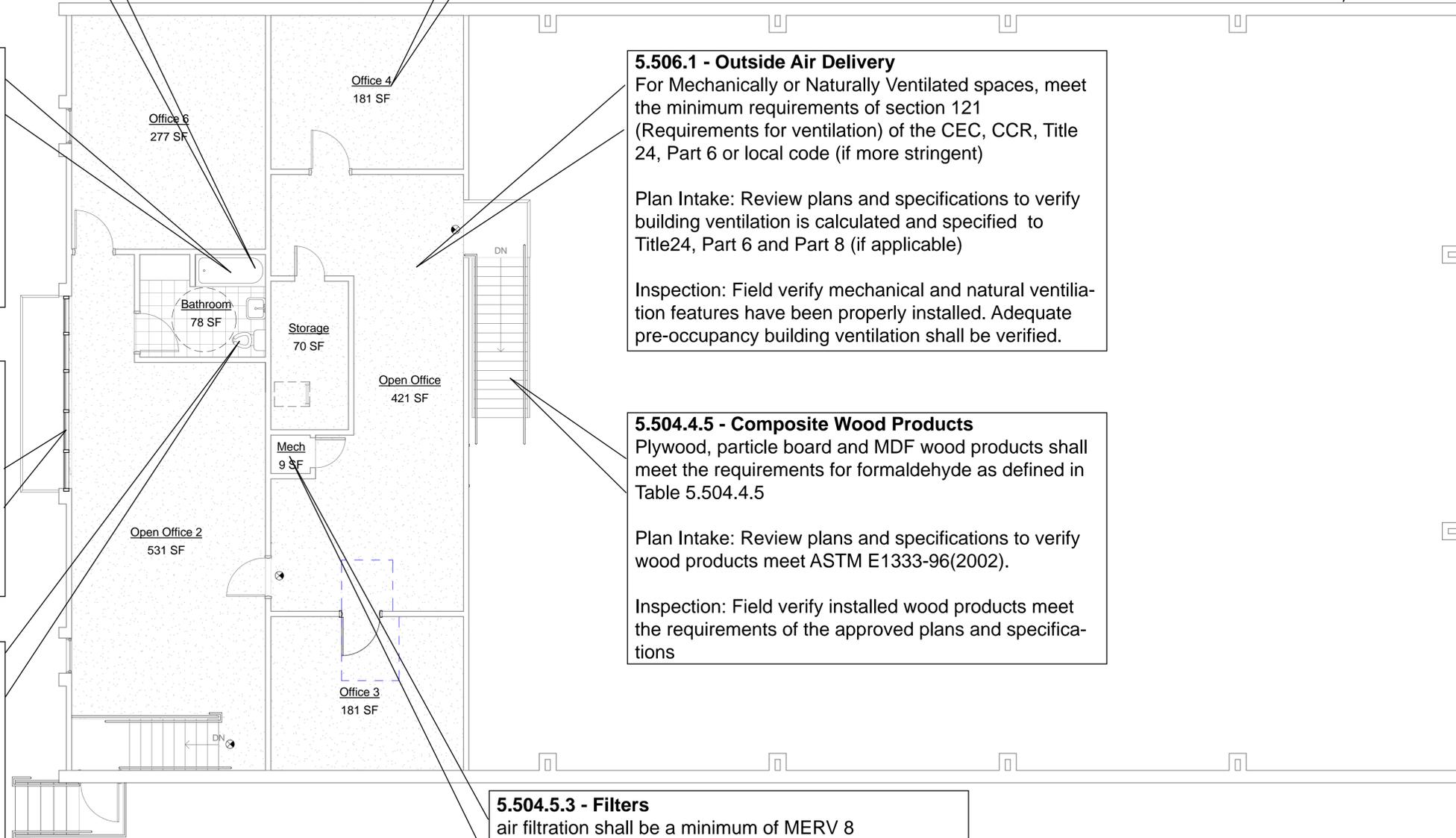
Inspection: Field verify installed wood products meet the requirements of the approved plans and specifications

5.504.5.3 - Filters

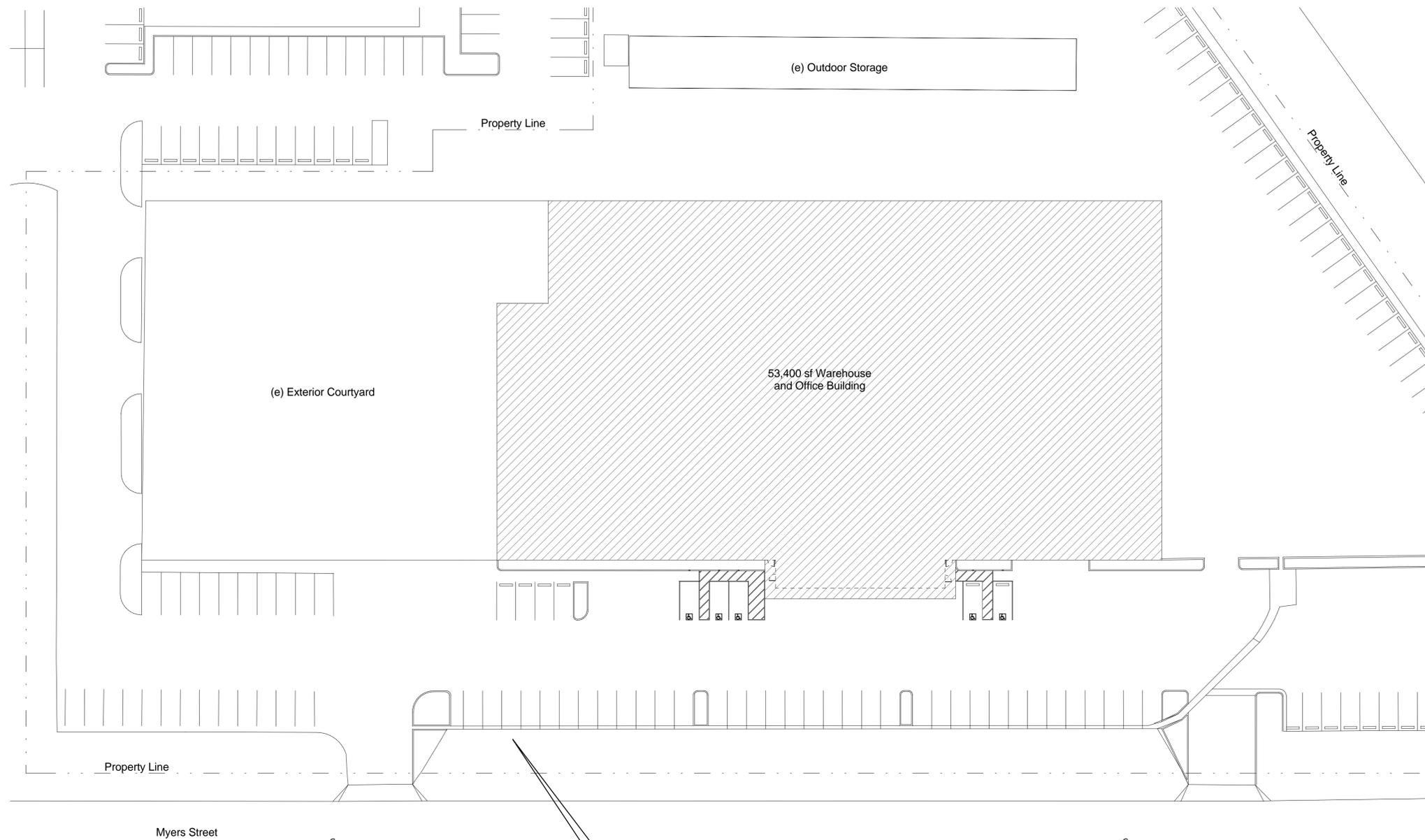
air filtration shall be a minimum of MERV 8

Plan Intake: Review plans and specifications to verify filters specified meet MERV8

Inspection: Verify specified filtration has been installed or available on site with the ability to be verified



Second Floor



5.303.1.1 - Buildings in excess of 50,000 square feet
 provide separate submeters for each leased, rented or other tenant space that will consume more than 100 gal./day or spaces used for laundry, food service, medical, salon, etc.

5.303.1.2 - Excess Consumption
 Any project that is projected to consume more than 1,000 gal./day

Plan Intake: Verify anticipated water consumption and project area to confirm applies. If yes, verify separate meters or submeters are specified on the plans

Inspection: Field verify specified measures in place

5.410.2.1 - Commissioning: Owner's or Owner Representative's Project Requirements (OPR)

Expectations and requirements of the building documented before the design phase of the project begins.
Plan Intake: Verify inclusion of the OPR document or form attesting that the OPR has been completed.
Inspection: None

5.410.2.2 - Commissioning: Basis of Design (BoD)

Written explanation of how the OPR shall be completed at the design phase and updated as necessary through design.
Plan Intake: Verify inclusion of the BoD document or form attesting that the BoD has been completed and meets the requirements of OPR.
Inspection: None

5.410.2.3 - Commissioning: Commissioning Plan (Cx Plan)

Commissioning measures shown in the Construction Documents. Guidelines establishing the commissioning process and schedule from design through occupancy
Plan Intake: Verify inclusion of the Cx Plan or form attesting that Cx Plan has been completed.
Inspection: None

5.410.2.4 - Commissioning: Functional Performance Testing

Develop and implement functional performance tests to document all components are installed as specified
Plan Intake: None
Inspection: On-Site during construction: Receipt of sign Functional Performance Tests and corrected deficiencies

5.410.2.5 - Commissioning: Documentation and Training

A systems manual and systems operations training are required.

5.410.2.5.1 - Commissioning: Systems Manual

Documentation of the operational aspects of the building
Plan Intake: None
Inspection: On-Site at inspection or receipt of signed form attesting that the systems manual has been completed.

5.410.2.5.2 - Commissioning: Systems Operations Training

Training of the appropriate maintenance staff.
Plan Intake: None
Inspection: Receipt of the written training program or signed forms attesting that the training program has been completed

5.410.2.5.6 - Commissioning: Commissioning Report

A Complete report of commissioning activities, undertaken through design, construction and recommendations for post-construction phases
Plan Intake: None
Inspection: Receipt of the written training program or signed forms attesting that the training program has been completed

Site Plan