

TECHINICAL CRITERIA

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ADDENDUM LOG

July, 2009	TCM generated, full update to new layout	January, 2015	Language regarding the waterproofing membrane on page t10 revised. (t10)
January, 2011	Filter requirement information added (t6; H.)	March, 2015	Updated Plumbing content to list specific location for main water shut off valve to be at eye level. (t10)
September, 2011	Waterproof membrane requirement updated	April, 2015	Added exhaust language (t11)
July, 2012	HVAC Systems Desc updated (t6; B & t7; M)	February, 2016	Update to Mechanical Criteria Sections B, J, N, R (t6, t7, t8, t9)
January, 2013	HVAC Systems Desc updated (t6; B)	April, 2016	Added Water Efficiency language (t10)
May, 2013	HVAC Systems Desc updated per TC (t6-t7)	April, 2017	Removed language regarding Telephone Service (t4) Replaced with language regarding Communications Services (t4)
July, 2013	Updated Mall Operations Manager's contact number per TC request (t7)	April, 2016	Added Water Efficiency language (t9)
March, 2014	Distribution of utilities through exit corridors is prohibited with exception (t12)	January 2018	Updated current layout
October, 2014	Added Solar Panel language (t6)		
October, 2014	At grade level electrical conduit is not allowed to be installed in the slab (t5)		
December, 2014	Wiring language updated (t5, #9)		

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ELECTRICAL CRITERIA

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ELECTRICAL CRITERIA

General Design/Construction Coordination

The electrical criteria is provided for the purpose of designing the Tenant's electrical system. This criteria is provided as a guideline for Tenant's Engineer. It is the Tenant's responsibility to verify existing conditions and comply with all applicable codes and standards.

1. Conduit and raceway hangers, clamps, light fixtures, junction boxes, supports, etc. must be fastened to joists and/or beams. Do not attach directly to the slab, roof deck, ductwork, piping or conduit above.
2. Tenant's equipment in the Mall electric room must be clearly identified with Tenant's name and space number.
3. Provide access panels at all junction box locations and at smoke detectors above the ceiling.
4. All outlet boxes, floor boxes, wire raceways, power/telephone poles, plug-in molding, wiring devices, hanger supports and other items required for a complete distribution must be furnished and installed by Tenant.
5. Furnish and install power to roof top units, water heater, store fixtures, signage, music systems and any other fixtures or equipment provided by Tenant. All cutting and patching must be provided by Tenant.

Complete Engineered drawings must be submitted to the Landlord's Tenant Coordinator for review and approval. Landlord will review the plans for conformance to basic Mall requirements. The Landlord does not review for electrical design, nor does the Landlord accept responsibility for the Tenant's adherence to governing codes.

The documents to be submitted for Landlord approval must include the following:

1. Complete plans and specifications for all electrical work, including lighting, power and one line riser Diagram. Documents must be signed and sealed by a Licensed Engineer in the state where the Shopping Center is located.
2. Drawings must include panel schedules, load calculations and meter information.
3. Structural drawings must be submitted for all equipment that will be suspended from the steel structure.

Power Source

All work required to connect Tenant to the main power source must be performed by Landlord's designated electrician, at Tenant's expense. Exceptions to this requirement may be granted by the Tenant Coordinator.

Tenant is responsible for feeders to the Tenant space, installation of a dry type transformer, panels and complete distribution throughout the Tenant space.

Landlord will provide the main power source for Tenant's connection. Power source will be 277/480v or 120/280v, 3 phase, 4 wire and will be available in the nearest Mall electric room. Tenants are responsible for installation of the fused buss duct disconnect switch and must pull the feeder wires to the Tenant's demised premises. Landlord will provide an empty 2" conduit with pull-wire from the mall electric room to the Tenant space. If a larger conduit is required, Tenant is responsible for installation of same from the power source to the demised premises.

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Communications Services

1. Landlord has installed a high-speed fiber infrastructure at the Center for purposes of providing voice and data access throughout the Center. All access for Tenant's voice and data services must be sourced through Landlord's designated provider which is currently Granite Telecommunications or such alternative provider as designated by Landlord. The vendor contact for voice and data services can be found in the Tenant Criteria Package under General Information.

2. For all wiring needs in common electrical rooms, a required vendor must be used to maintain the integrity of the electrical room. The vendor contact for low voltage wiring needs can be found in the Tenant Criteria Package under General Information.

Lighting

Provide a lighting schedule for review in conjunction with a reflected ceiling plan. Lighting must conform to the following guidelines:

1. Display window lighting must be controlled by a time clock and be on during the hours the Shopping Center is open. Display window lighting at the ceiling must be glare-free and at approved levels at the storefront glass line.
2. Recessed incandescent down lights may be used.
3. Exit, emergency and night lights must be provided throughout, as determined by governing codes.
4. Fluorescent lighting in the sales area must be recessed and must use metal parabolic louver type lenses with a minimum of 18 cell configuration for a standard 2' x 4' fix-

ture. Bare lamp fluorescent or fluorescent fixtures with acrylic prismatic lenses may be used only in concealed areas or stock rooms.

5. Track lighting may be used if the track is painted to match the ceiling color.

Tenant is responsible for lighting system control, including connection to the Building Management system and connection to the Fire Alarm system. All emergency lighting, exit signs, horns and strobes must be provided by Tenant as required by code.

Material/Equipment Specifications

1. Drawings must include complete material specifications including manufacturer's name and product number and complete schedules of all equipment and fixtures to be installed.
2. All material and equipment must be new and of a commercial grade and must bear Underwriter's labels where such labeling applies.
3. At grade level electrical conduit may be installed at least 4" under the slab and must be in Schedule 40 PVC conduit. But never allowed to be installed in the slab or less than 4" below slab.
4. Floor boxes must be watertight.
5. Pull boxes or junction boxes must be a minimum of 12 gauge galvanized steel outlets. Boxes in walls must be galvanized pressed steel or case metal. Caulk around boxes to eliminate noise transmission.

6. All main and branch feeders and circuitry wiring must be copper. All conductors to have 600 volt insulation type THW, THWN or THHN.
7. Convenience receptacles must be specification grade, 120 volt, 20 amps and be grounding type per NEC.
8. Manual or magnetic starters, switches, contactors, relays, time switches, safety devices, dimmers and other controls must be commercial type with heavy duty ratings and must be installed in strict conformance with the manufacturer's recommendation and applicable codes.
9. Any exposed low voltage wiring must be plenum graded.
10. All wiring of any type must be installed in conduit or must be armored cable (BX). Armored cable will only be allowed for concealed branch circuit wiring within the demised premises. Exposed and/or open wiring of any kind will not be allowed. Flexible conduits must be used for connections to vibrating equipment.

Fire Alarm System - Life Safety

1. Tenant must provide a complete fire alarm detection system within the Tenant space as an extension of the Landlord's building-wide addressable fire alarm system.
2. Tenant is required to use Landlord's designated contractor for installation of the necessary smoke detectors and connection to the main fire alarm system. System must comply with the requirements of the governing authority.
3. All emergency lighting, exit signs, horns and strobes must be provided by Tenant as required by code.

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HVAC SYSTEMS

GENERAL

Landlord will review the plans for conformance to basic Mall requirements. The Landlord does not review for mechanical design, nor does the Landlord accept responsibility for the Tenant's adherence to governing codes.

Equipment or other obstacles placed in the vicinity of existing solar panels shall follow the guidelines outlined below:

- No equipment shall be placed within 10 feet of any solar inverter or AC junction box
- To avoid interfering with solar panel production, objects shall be placed no closer than the distance defined as 2 times their height. For example, if a 4 foot HVAC unit is installed, it must be located at least 8 feet away from a solar panel.
- In no cases, regardless of the height shall an obstacle be placed within 3 feet of solar equipment
- No conduits, pipes or other devices shall be added to existing conduit carrying devices
- No wires, pipes or other devices will be routed across or over existing solar equipment
- All modifications within 20' of solar equipment shall require review and approval from Macerich personnel

CODES AND STANDARDS

All federal, state and local codes to be followed.

DESIGN PARAMETERS

Outdoor Design Conditions

- A. Summer: 91°F dry bulb, 59°F wet bulb, 7.5 mph wind velocity
- B. Winter: 8°F dry bulb, 15 mph wind velocity, 5800 heating degree-days

Indoor Design Conditions

- A. Summer: 75°F dry bulb, 55% RH
- B. Winter: 72°F dry bulb, 55% RH

HVAC SYSTEM DESCRIPTIONS

- A. The Tenant spaces will be air conditioned and heated by a water source heat pump system. The shell building includes the boilers, cooling towers, controls and condenser water piping into each Tenant space. WSHP's are not allowed to share taps off of the main condenser water loop. Each WSHP must have dedicated condenser water lines from the mall's condenser water loop. All new taps off the main loop must be performed by the landlords' required mechanical contractor at tenants' expense. The condenser water piping system will provide water between 65°F and 80°F. Tenant to supply the heat pumps and piping connections to the building condenser water loop, required for all Tenant space conditioning, shall be provided by each Tenant. Included in the piping connection shall be supply and return shutoff valves, flow control valve, strainer, pressure and temperature ports, drain plug, manual air vent, 100% shutoff water control valve (normally closed) and flexible hoses. The condenser water system has been sized to provide a maximum 34 Btuh per square foot of cooling capacity (or 1 ton per 350 s.f.) any higher load requirements should be coordinated through the Landlord. The Tenant is also responsible

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to provide all ductwork including diffusers and grilles. The Tenant is responsible to provide a p-trap and indirect drain from the heat pump condensate drain connection to the Tenant lavatory drain pipe or a Tenant provided standpipe drain, see plumbing criteria.

- B. WSHP units are not to exceed 5 tons, and must be factory charged with 410A. Provide Factory Start-up by installing contractor must be provided.
- C. Tenants may use the plenum space above the ceiling within the Tenants' spaces to hang the WSHP (provided all local and other codes are met). Hanging units that are over 300 lbs must have written approval from landlord's structural engineer prior to installation. All WSHP units must have a minimum 3'-0" clearance around the entire unit, including water and sprinkler lines, ductwork, ceiling supports, etc. Nothing is permitted to be attached to or hung from the WSHP.
- D. All units to be pitched for proper drainage. All condensate drain lines must use $\frac{3}{4}$ " or larger copper piping. PVC piping will not be allowed. A union fitting must be installed in the condensate drain line within 18 inches of the unit followed by a P-trap. The trap must be installed with vent on down steam side of trap or per manufactures instructions. All condensate drain lines should be piped to a floor sink within the tenants' space, if available. The drain line must be insulated with fiberglass insulation. If condensate pump is used it must have a safety switch that will shut down compressor if pump fails. All WSHP's within the tenants' space must have a secondary drain pan installed underneath each unit. The secondary pan must cover the entire unit and extend 3 inches past each side of the unit. Secondary pan drain must be piped down and stubbed through ceiling lid. Dielectric fittings must be installed where cast-iron and copper meet. Two sets of shut-off valves (ball valves) are required at the main and at the unit. Griswold and Carrier hose kits are strongly recommended for the WSHP.
- E. All rooftop equipment must be labeled with the Tenant name and space number using a placard mounted to the unit. units may also need to be painted or screened.
- F. All ductwork going through a fire-rated wall must have fire dampers. All fire dampers must have access door in ductwork. Access panels must be provided for all landlord serviceable equipment which is above any hard ceiling areas. Supply vents and return air grilles are allowed as a means of access. Units above hard ceilings must have a work platform constructed above the ceiling for unit servicing. If a work platform is not constructed, a letter must be submitted to the landlord upon job closeout stating that the ceiling is rated to withstand all associated weight while servicing the equipment above. Contact Mall HVAC department to verify damper locations.
- G. All supply air branches must have balancing dampers at branch or at the registers. Air and water balance to be done by a licensed company other than the installing contractor. All WSHP units to have certified air balance report from independent AABC certified contractor.
- H. Tenants draw fresh air from the common area of the Mall. Return air filters must be one of the following sizes: 20x20x2, 20x25x2, 16x20x2, 16x25x2. Filters need to be pleated, High Capacity MERV-8 or equivalent.
- I. All units come with a data book. A copy of the data book must be provided to the Mall HVAC department.
- J. Tenant Contractor's EMS Installation Process: The Tenant spaces are heated and cooled through water source heat pumps connected to a central condenser water piping system. Temperature control of the Tenant spaces is accomplished through General Contractor, who must contract Mall required

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Controls Contractor at start of job to coordinate all EMS control work for HVAC system. HVAC controls are to be started up and fully commissioned 1 week prior to job completion so GC and/or mechanical contractor can meet all deadlines, and proper manufacturer start up can be completed prior to end of job to verify all systems are fully operational and proper Test and Balance to be performed prior to the completion of the job. This will allow the building department to see that the system is working as designed during the final inspection through the Mall's Energy Management System. All EMS control installation, programming, and graphics must be coordinated with adequate lead time (minimum of 4 weeks) through Mall required Controls Contractor. Contact the Mall Operations Manager at 720-887-9900.

Tenant must replace existing water source heat pump and controls with New, if existing unit is over 10 years old, or does not meet Mall's updated mechanical criteria. If existing water source heat pump is less than 10 years old, the unit must be completely refurbished by the mechanical contractor to like New Conditions at the Tenant's expense, and any non-compliant controls must be replaced by the Mall's required Controls Contractor.

- K. Any Tenant with a combined CFM requirement of 2000 or greater must install duct detectors per code. All duct detectors must be tied to the Mall Simplex system. If existing duct detectors are re-used, the General Contractor must provide a letter to the Landlord from Simplex stating the name change has occurred.
- L. The valves located on the main condenser loop are not to be opened by the contractor. If the General Contractor or any sub-contractors open these valves, the General Contractor will be responsible for all damages, including but not limited to recharging the closed loop, chemicals, clean-up, etc.

M. Construction drawings must show the following Piping Diagram with the parts in the specified order:

- 1. Supply Line
 - a. Shut-off valve at main
 - b. Dielectrics
 - c. Shut-off valve at unit
 - d. Y-strainer with a 3/4" attachment and valve
 - e. Pete's plug
 - f. Heavy duty flexible stainless steel hose connection to heat pump coil
 - g. Union connected to coil
- 2. Return Line
 - a. Union connected to coil
 - b. Heavy duty flexible stainless steel hose connection to heat pump coil
 - c. Pete's plug
 - d. Control valve
 - e. Balancing valve
 - f. Air relief vent at highest point
 - g. Shut-off valve at unit
 - h. Dielectrics
 - i. Shut-off valve at main

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- N. Toilet exhaust systems: A building wide toilet exhaust ductwork system has been provided with an extension into each Tenant space. If the Tenant is installing a toilet room, the Tenant is responsible for providing a toilet exhaust fan and ductwork connecting to the building toilet exhaust system. The Tenant exhaust fan may have switched operation, however, the building exhaust system will only be operational during occupied hours.
- O. All odor and moisture producing areas must be exhausted by special exhaust systems to atmosphere. This includes, as a minimum, kitchens, beauty parlors, pet stores and alteration rooms. Special exhaust systems shall be designed to prevent odors and/or moisture from traveling beyond the Tenant's leased space. Outdoor make-up air shall be provided by the Tenant, coordinate with the Landlord for location of outdoor air penetration. Exhaust air quantities shall be no less than required by code. Food Court Tenants shall provide supply and exhaust fan make-up air systems for all kitchen hoods. These units shall be located on the building provided framed openings, the tenant is responsible for curbs and installation of these units.
- P. Special cooling and heating systems, such as required for refrigeration display cases and walk-in coolers, and for alteration room steam pressing and blocking equipment, shall be provided by the Tenant. Location of equipment serving special cooling and heating equipment shall be designated and/or approved by the Landlord.
- Q. Mall controlled HVAC shuts down overnight. If Tenant has cooling needs that will be adversely affected by this, it is up to the Tenant to design for Mall approval an alternative HVAC solution for Tenant's space.

- R. 2016 MACERICH PROPERTIES TI SPEC FOR ALL TRIDIUM BACnet PROTOCOL SITES

All WSHP (Water Source Heat Pump) units are to be Occupied through the Mall EMS system. Tenant setpoint adjust through a local thermostat is acceptable, but may be overridden by the Mall's Operations Department, if deemed necessary. Open protocol BACnet connections are to be made by Landlord Required EMS Contractor at Tenant's expense. Any and all HVAC equipment installed for the purpose of TI related work, and related to the functionality and/or property provided maintenance/monitoring, shall be furnished with Open Protocol BACnet/MSTP DDC Control Module Interface (see below for list of acceptable hardware manufacturers. Any devices requested to the contrary must be approved by the MACERICH CORPOPRATE EMS Team prior to proposal/approval of TI work) for integration into the Tridium Niagara AX Framework EMS.

Tenant is responsible for any/all Jace license modifications necessary to incorporate new controls installed for TI purposes.

Property backbone communication structure will determine if/when BACnet/IP integration is acceptable; otherwise shall be BACnet/MSTP. Communication cable furnished for the purpose of controller interface shall meet/exceed all ASHRAE BACnet certified cabling requirements. Cabling color and specifications shall match property backbone communication wiring when applicable.

Open protocol BACnet controls are based on ASHRAE Standard 135-2010. BACnet Testing Laboratory Certification (BTL) is preferred. BTL Device profile B-ASC (Application Specific Controller) or higher is preferred, based on ASHRAE Standard 135-2010 Annex L.

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Acceptable Open Protocol BACnet DDC Control Modulate Interface Manufacturers (order does not designate preference):

- A. Carrier Open Factory Controls (Aquazone or equivalent)
- B. Trane UC400 (Axiom or equivalent)
- C. Alternate manufacturers must come with BACnet Factory Controls and require prior Landlord approval

It is preferred that the equipment is provided with manufacturer BACnet compatible Factory Controls for the HVAC equipment for interfacing. This equipment would be fully installed and Factory Start-up by the Manufacturer or certified representative. The required Controls Contractor would then be contracted to provide the communication cable, termination, and interface to the building EMS. If the equipment provided during the TI was not provided with proper BACnet Factory Controls, then the Tenant is responsible for contracting the required Controls Contractor to put a 3rd party BACnet controls interface on the unit for proper control and interface. This is NOT the preferred method due to scheduling and warranty related issues.

Contractor will coordinate with Landlords' required Controls Contractor to remove all DDC components and disconnect all network cabling PRIOR to demolition. Tenant shall be held responsible to maintain the integrity of the EMS network cable within their space during all phases of construction. General contractor shall bear sole responsibility for any damage or disruption to the EMS network.

All HVAC energy management controls are at Tenant expense. Tenant must contract with Landlords' required Controls Contractor prior to or by time of preconstruction meeting for scheduling and verification of designed equipment purposes. If tenant

desired to monitor space conditions, then Tenant is allowed to install, at their expense, a stand-alone BAS to monitor conditions within their space if desired. Any stand-alone monitoring system must not be attached to the Landlord's BAS in any way.

Required control points at a minimum for the WSHP's are as follows and should be available for monitor over the BACnet interface: Space or Return Air Temperature, Space temperature setpoint adjustment (if applicable), Supply Air Temperature, Entering Water Temp, Leaving Water Temp, Fan Status (binary current transducer), automated condenser water flow valve (not required over BACnet), Fan Start/Stop command, 2-way solenoid isolation valve, Unit Alarm, High Pressure Cutout, Low Pressure Cutout, Condensate Overflow, Overcurrent, Reversing Valve Command, & Compressor command (1 per stage).

Sequence of Operation required shall consist of at a minimum, but not be limited to: Respond to Occupancy Command over BACnet, allow Space/Return temp setpoint overrides over BACnet, close isolation valve when not running compressor, have built-in water flow safety for compressor control (lockout compressor if no flow is realized), limit cooling setpoint to no lower than 68°F, limit heating setpoint to no higher than 72°F, prevent heating and cooling setpoints from crossing (must be at least 2°F apart at all times with cooling setpoint always above heating), disabled Unoccupied operation. Unit shall not respond to local occupancy override. Fan Mode should be adjustable (over BACnet or local thermostat) from Auto (Fan only called for when unit needs heat/cool) and On (Fan always on during Occupied times). Unit mode should be able to be set (over BACnet or local thermostat) from Auto/Heat/Cool/Off to allow modes to be forced or turned off.

PLUMBING CRITERIA

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PLUMBING CRITERIA

General Design/Construction Coordination

The following criteria is provided for the purpose of designing the Tenant's plumbing system. This criteria is provided for Tenant's Engineer. It is the Tenant's responsibility to verify existing conditions and comply with all applicable codes and standards.

Complete Engineered drawings must be submitted to Landlord's Tenant Coordinator for review and approval. Landlord will review the plans for conformance to basic Mall requirements. The Landlord does not review for plumbing design, nor does the Landlord accept responsibility for the Tenant's adherence to governing codes.

The documents to be submitted for Landlord approval must include the following:

Complete plans and specifications covering the complete plumbing system. Documents must be signed and sealed by a Licensed Engineer in the state where the Shopping Center is located.

The Tenant shall provide a complete plumbing system for the Tenant space. The Landlord has provided connections in each Tenant space for sanitary waste and potable cold water.

Tenant shall provide a main water shut off valve located at eye level in a wall behind a labelled access door. Locate in or near employee restroom as designated by Landlord.

Tenant is responsible for all plumbing including toilets, sinks, urinals, drains, hot water heaters, water coolers and connections into existing water and sewer lines.

Water Efficiency

1. The Tenant is required to install waterless urinals in tenant restrooms when urinals are used.
2. Low-Flow water closets using 1.6 GPF or less gallons per flush will be installed in all tenant spaces.
3. Operation sensors and low-flow heads using 0.5 GPM or less in lavatories.

Tenant shall provide a main water shut off valve located at eye level in a wall behind a labelled access door. Locate in or near employee restroom as designated by Landlord.

All domestic supply lines shall be copper. Sanitary and vent lines traversing the ceiling area to be cast iron or copper (no PVC). Tenant will utilize electric water heaters for domestic hot water.

Every Tenant must install a handicapped restroom facility with a minimum of one water closet and one lavatory and in accordance with local code officials. An exception to this requirement is only permitted for Food Court Tenants who are within close proximity to the public restrooms upon approval of the Landlord and local code official.

For high water users or as directed by Landlord, a water meter to measure the amount of water used must be installed by the Tenant in the bathroom at eye level.

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If applicable, second level restrooms must install a floor drain. Mop sinks and water fountains must be installed per local code requirements.

Tenant must install clean outs as required by code and Landlord's requirements and these shall terminate flush with the finish floor or wall. No clean outs are permitted above the ceiling.

Garbage disposals are not allowed.

Hair salons and pet shops shall provide hair and solids interceptors on all sinks and basins which may receive human or animal hair. After installation, these hair interceptors shall be properly maintained so as to keep the sanitary system free from any adverse conditions.

Except with Landlord's prior written permission for non-compliance, all pot sinks, scullery sinks, pre-wash sinks and other kitchen units must be connected to a grease trap. Dishwashers may not be connected to grease trap.

Waterproofing must be installed in all "wet areas" such as kitchens, restrooms, mop sinks, drinking fountains, etc. The waterproof membrane must extend 4" vertically on all demising walls. This membrane will be water tested by the General Contractor and inspected and signed off by Mall Personnel. If the membrane fails the water test, it must be replaced.

Food service, hair salons or other Tenants with equipment or operations that have the possibility of backflow will be required to install an approved backflow preventer. These must be certified and acceptable to the water district and checked yearly or as required by the local authority having jurisdiction.

Tenants on the upper level must coordinate with lower level Tenants and the Landlord for floor penetrations and any plumbing under the upper level floor/deck. Tenant will be responsible for all cost associated with this work.

Tenants must submit calculations to the Landlord which show the size selection or basis of capacity of all equipment and piping.

Gas Service

Gas may be available at the Center. Tenant, at its sole cost and expense and in compliance with local code must procure gas service to and within the demised premises and will make all necessary arrangements with the local Gas Company for such service. Tenant is responsible for installation of a gas meter at the gas meter header.

Pressure regulators and piping required for connection to Tenant's equipment is the responsibility of the Tenant. Coordinate with Landlord for regulator vent routing.

Gas piping on the roof must be placed on pillow blocks or similar arrangement.

Ventilation

Tenants will provide vertical exhaust ducts at a location designated by Landlord. All hood exhaust must be connected to vertical duct in accordance with code. Tenants are required to provide for the upkeep and maintenance for such vertical exhaust duct and related devices and materials.

All sanitary sewer and plumbing vent piping shall comply with all local codes.

A building wide toilet exhaust ductwork system has been provided with an extension into each Tenant space. If the Tenant is installing a toilet room, the Tenant is responsible for providing a toilet exhaust fan and ductwork connecting to the building toilet exhaust system. The Tenant exhaust fan may have switched operation; however, the building exhaust system, will only be operational during occupied hours.

All odor and moisture producing areas must be exhausted by special exhaust systems to atmosphere. This includes, as a minimum, kitchens, beauty parlors, pet stores and alteration rooms. Special exhaust systems shall be designed to prevent odors and/or moisture from traveling beyond the Tenant's leased space. Outdoor make-up air shall be provided by the Tenant, coordinate with the Landlord for location of outdoor air penetration. Exhaust air quantities shall be no less than required by code. Food Court Tenants shall provide supply and exhaust fan make-up air systems for all kitchen hoods. These units shall be located on the building provided framed openings, the tenant is responsible for curbs and installation of these units.

STRUCTURAL CRITERIA

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STRUCTURAL CRITERIA

The following criteria is provided for the purpose of designing the Tenant's structural drawings. This criteria is provided as a guideline for Tenant's Engineer. It is the Tenant's responsibility to verify existing conditions and comply with all applicable codes and standards.

Complete Engineered drawings must be submitted to the Landlord's Tenant Coordinator for review and approval. Landlord will review the plans for conformance to basic Mall requirements. The Landlord does not review for design, nor does the Landlord accept responsibility for the Tenant's adherence to governing codes.

The documents to be submitted for Landlord approval must include the following:

- Complete plans and specifications for all structural work. Documents must be signed and sealed by a Licensed Engineer in the state where the Shopping Center is located.

General Requirements

1. The Tenant's storefront must be structurally self-supported. Tenant may not support the storefront from the bulkhead or fascia. Structural support for Tenant storefronts must be from the roof joists for lateral bracing.
2. Fixtures and equipment may not be attached to or supported from the floor or roof deck.

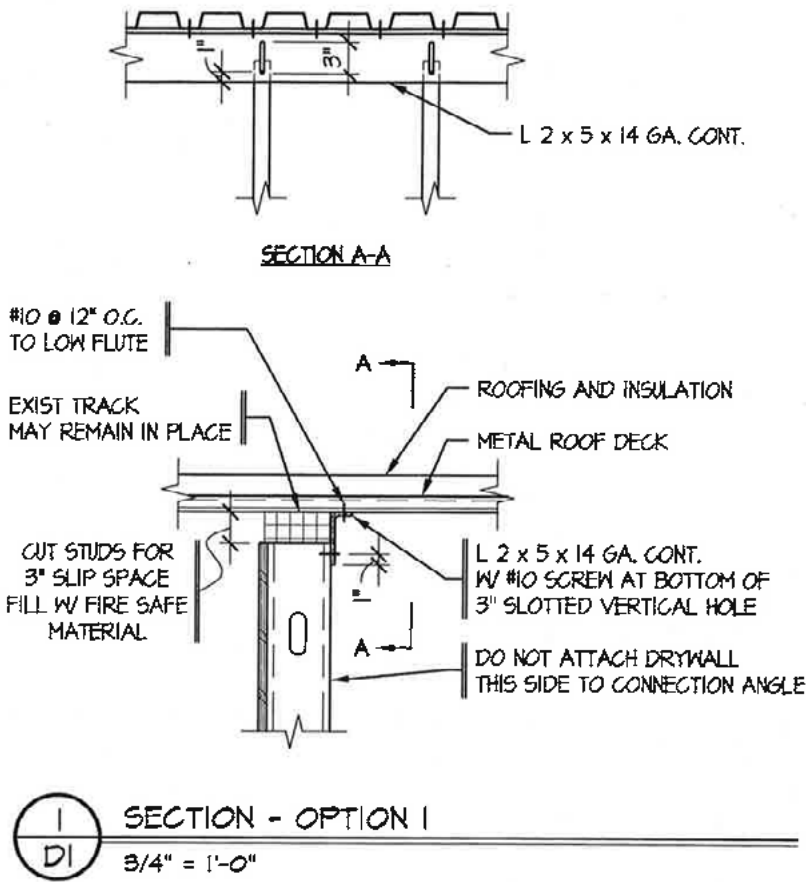
3. Structural drawings are required for all items that require support from the steel structure or for all roof top equipment weighing 300 lbs. or more.
4. Joist reinforcing is required for roof top equipment as well as steel support for all roof openings.
5. Upper level Tenant's must review base building structural drawings prior to installing a security safe, ovens or any equipment weighing 300 lbs. or more.

EXIT CORRIDORS

Distribution of utilities through a newly constructed or an altered exit passageway is prohibited except for equipment and ductwork specifically serving the exit passageway, sprinkler piping, standpipes, electrical raceway for fire department communication and electrical raceway serving the exit passageway.

THE VILLAGE SPACES

FLATIRON CROSSING



SLIP JOINT

For all Tenant Improvements in The Village, the framing of walls that extend to the underside of the roof decking, must have a slip joint installed between the top of the wall and the roof decking, as described in the drawings below.

