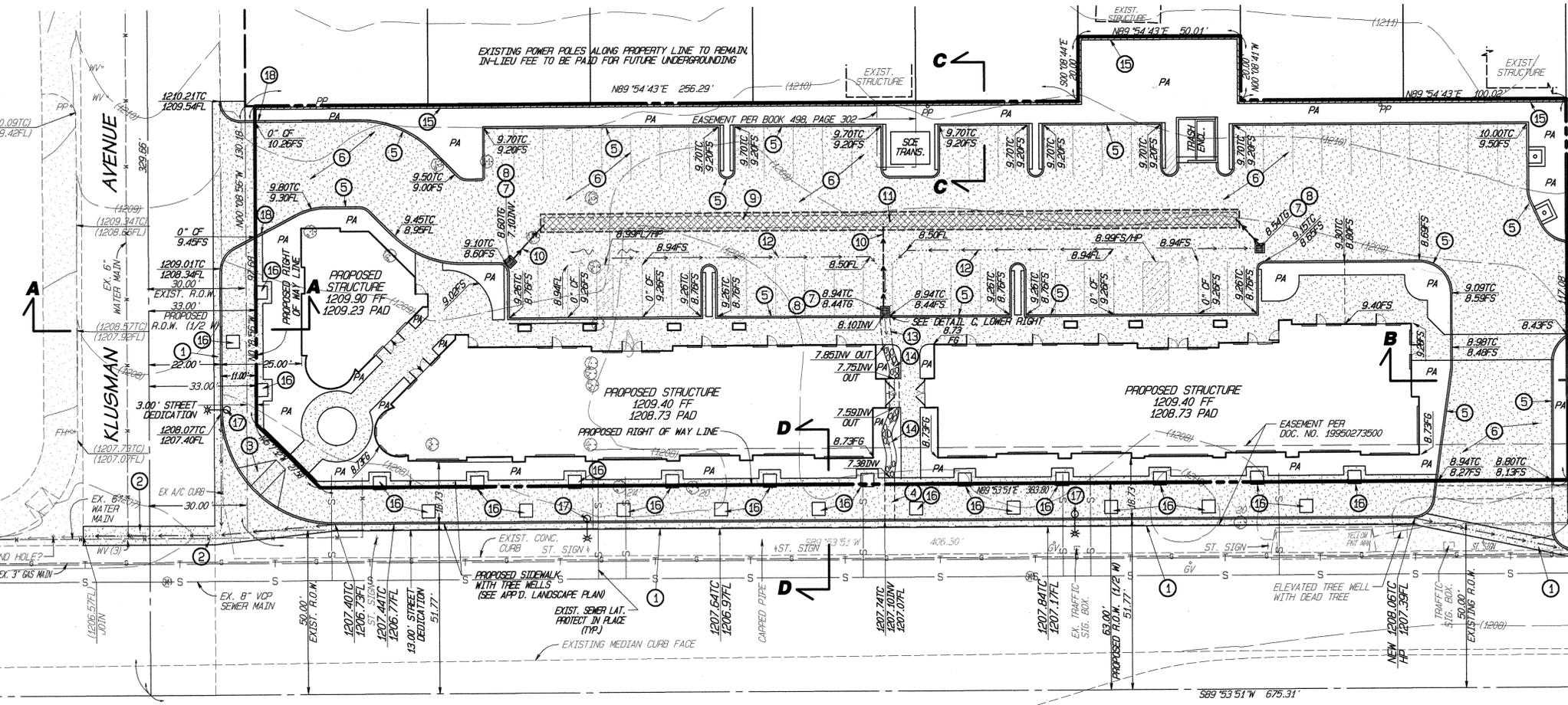
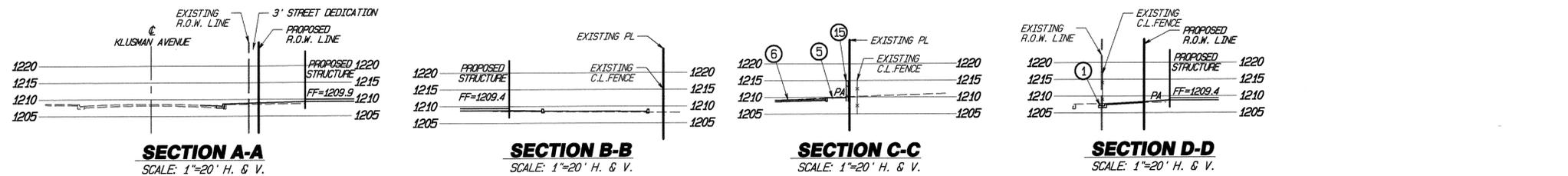


LEGEND

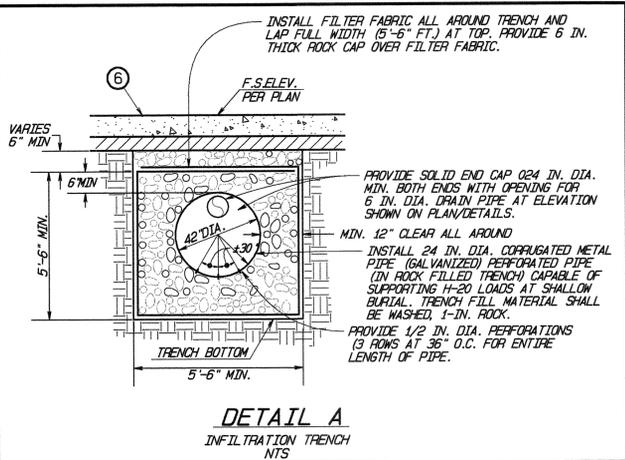
- (1200) - EXISTING ELEVATION
- FF - FINISH FLOOR
- FG - FINISH GRADE
- FL - FLOW LINE
- FS - FINISH SURFACE
- GB - GRADE BREAK
- GV - GATE VALVE
- HP - HIGH POINT
- INV - INVERT
- PA - PLANTER AREA
- PAD - PAD ELEVATION
- 700.00 - PROPOSED ELEVATION
- TG - TOP OF GRATE
- TM - TOP OF WALL
- AREA DRAIN
- CONCENTRATED FLOW
- DRAIN PIPE
- EXISTING HARDSCAPE TO BE REMOVED
- (700) EXISTING CONTOUR
- EXISTING MASONRY WALL
- PROPERTY LINE
- PROPOSED CONCRETE
- PROPOSED MASONRY WALL
- 700 PROPOSED SLOPE
- SHEET FLOW
- PROPOSED INFILTRATION TRENCH
- EXISTING TREE WITH ARBORIST'S ID NUMBER (TO BE REMOVED)



NOTE: ALL SEWER LATERALS ARE 6".

CONSTRUCTION NOTES

- 1 CONSTRUCT NEW CURB, GUTTER AND SIDEWALK SEE APPROVED STREET IMPROVEMENT PLANS FOR ADDITIONAL DETAILS
- 2 CONSTRUCT CONCRETE CROSS GUTTER SEE APPROVED STREET IMPROVEMENT PLANS FOR ADDITIONAL DETAILS
- 3 CONSTRUCT HANDICAP RAMP SEE APPROVED STREET IMPROVEMENT PLANS FOR ADDITIONAL DETAILS
- 4 CONSTRUCT CURBSIDE DRAIN OUTLET PER CITY STANDARD PLAN 107.A, WITH OPEN CHANNEL TYPE INLET
- 5 CONSTRUCT 6" CONCRETE CURB PER CITY STD. PLAN 104, A1-6
- 6 CONCRETE PAVING
- 7 INSTALL CATCH BASIN WITH TRAFFIC GRATE (BROOKS PROD. NO. 1818 W/TRAFFIC FRAME/GRATE OR APPD. EQ.)
- 8 INSTALL CATCH BASIN FILTER INSERT
- 9 INSTALL INFILTRATION TRENCH PER DETAIL A
- 10 INSTALL CONNECTOR PIPE (6" DIA) FROM CATCH BASIN TO INFILTRATION TRENCH/PERFORATED PIPE
- 11 INSTALL INFILTRATION TRENCH INSPECTION WELL PER DETAIL B
- 12 FORM FLOWLINE IN CONCRETE PAVING TO ELEVATIONS SHOWN
- 13 INSTALL 3" x 36" RECTANGULAR STEEL PIPE IN CURB FACE, OUTLET BEHIND WALKWAY TO ROCK LINED SNALE
- 14 CONSTRUCT ROCK LINED FROM RECTANGULAR STEEL PIPE TO CURBSIDE DRAIN
- 15 CONSTRUCT MASONRY SCREEN WALL WITH PROVISIONS (WEEP HOLES OR APPD. EQ.) TO ALLOW RUNOFF TO CONTINUE TO FLOW SOUTHERLY FROM PROPERTIES TO THE NORTH. APPLICANT SHALL RECORD A SEPARATE DOCUMENT ACCEPTING NORMAL, CROSS LOT STORM RUNOFF FROM ADJACENT, UPSTREAM LOTS.
- 16 PROPOSED TREE WELL PER LANDSCAPE PLAN
- 17 PROPOSED STREET LIGHT PER CITY STANDARDS
- 18 CONSTRUCT 36" LONG CURB TAPER (0" OF TO 6" OF)
- 19 EXISTING BURIED UTILITIES, PROTECT IN PLACE



FIRE PROTECTION DISTRICT

DISCLOSURE FOR PROJECT NO. DRC2008-00356
APN: 0208-153-13 & 24

Community Facilities Districts

Community Facilities District 85-1 of the Rancho Cucamonga Fire Protection District

The property you are purchasing/own (the "Property") lies within the boundaries of Community Facilities District No. 85-1 ("CFD") of the Rancho Cucamonga Fire Protection District ("Fire Protection District"). This Property is subject to an annual special tax to be levied each Fiscal Year, in perpetuity, and collected as part of the property tax bill. The rate of this special tax is set each year by the Fire Board provided that the rate may not exceed the maximum special tax authorized pursuant to the rate and method of apportionment of such special tax (the "Rate and Method"). The Fiscal Year 2011-2012 adopted maximum special tax for the CFD is set at the rate of \$151.71 per acre plus \$0.82 per square foot of building floor area for commercial properties or \$151.71 per acre plus \$1.00 per square foot of building floor area for industrial properties as determined by the CFD administrator. The amount of this annual special tax is subject to future increases as authorized by the Rate and Method which is contained in the Amendment to Notice of Special Tax Lien ("Amendment to Notice"), which has been recorded against the Property. This annual special tax provides funding for fire protection and suppression services. For additional information, please see the Amendment to Notice or contact the Fire Protection District.

For further information please contact:

The City of Rancho Cucamonga
Administrative Services Department
Ingrid Bruce
GIS/Special District Manager
909-477-2700 ext. 2575



Cucamonga Valley Water District
10440 Ashford Street • Rancho Cucamonga, CA 91729-0638
P.O. BOX 638 • (909) 987-2591 • Fax: (909) 478-9032

Robert A. DeLoach
General Manager
Chief Executive Officer

November 18, 2010

Ms. Amy Bledsoe
Giron Engineers
160 N. Glendora Avenue, Suite 11
Glendora, CA 91741

Re: Fire Flow Test
9606 Foothill Boulevard
Rancho Cucamonga, CA

Dear Ms. Bledsoe:

Pursuant to your request, we are furnishing herewith the results of a flow test conducted on 11/18/10 at 7:00 a.m. near the above referenced location. The results of the flow test are as follows:

Fire hydrant flowed: 9590 Foothill Boulevard
Pressure gauge location: Northwest corner of Foothill Boulevard and Klusman Road

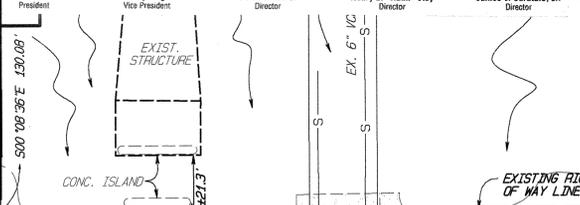
Static Water Pressure:	89 p.s.i.
Pitot Reading:	22 p.s.i.
Observed Flow:	2015 g.p.m.
Residual Water Pressure:	81 p.s.i.
Main Size:	6-inch
Outlet Size:	4-inch
Calculated flow at 20 p.s.i.	6450 g.p.m.

The normal static operating pressure ranges from 81 psi to 89 psi for this location based on the average water elevations in the reservoirs. The test results above indicate the capability of the water system at the time the test was made. Since the capacity of the water system may vary as a result of many factors, including changes in demands placed on the system by other users or the static water elevation, we recommend that you give adequate consideration to the information provided, including the normal static operating pressure range, when performing your analysis.

If you have any questions or need additional information, please contact me (909) 987-2591.

Sincerely,
CUCAMONGA VALLEY WATER DISTRICT

Ted Munson Jr.
Engineering Technician II



Andall J. Reed
President

Kathy Tings
Vice President

Oscar Gonzalez
Director

Henry L. "Hank" Stoy
Director

James V. Curatolo, Jr.
Director

CITY OF RANCHO CUCAMONGA	
PLAN, DETAILS & SECTIONS	
GRADING AND DRAINAGE PLAN	
DRC2008-00356	
9606-96012-9622 Foothill Blvd	
APPROVED BY CITY ENGINEER	DATE R.C.E. NO.
DESIGN	RECOMMENDED
DRAWN	SHEET 2 of 25
CHECKED	DRAWING NO.
Prepared For: GAVRIEL SFAEE 537 Carnes Ave. Los Angeles, CA 90013 PH: (213) 629-5969	
Approved By: Samuel I. Giron RCE 27886 DATE FILE NO.	

CALIFORNIA BUILDING CODE GENERAL NOTES

The structural, electrical and mechanical general notes shall precede over these general notes.

DIVISION 1 - GENERAL CONDITIONS

- The General notes are not to be construed as specifications for construction. Their purpose is one of informing the Owner, Contractor and Sub-Contractors of some specific information with which to become aware and familiar.
- The general nature of these notes shall in no way diminish the contractor and sub-contractors from completing all work in strict conformance with all aspects of the building codes and with other rules, regulations and ordinances governing the place of the building. Each sub-contractor shall become familiar with any part of the aforementioned building codes, rules, etc. that may affect his work. Some codes that may affect the work are but not limited to the current edition of the Uniform Building Code, Uniform Mechanical Code, Uniform Plumbing Code, Uniform Electrical Code, National Electrical Code, Uniform Fire Code, Architectural Barriers Laws.
- Scope of Permit (sec. 0104 & 0105)
 - LIMIT OF AUTHORIZATION. The issuance of a permit is not an approval or an authorization of the work specified therein. A permit is merely an application for inspection, the issuance of which entitles the permittee to inspection of the work which is described therein. Permits issued under the requirements of this code shall not relieve the Owner of responsibility for securing required permits for work to be done which is regulated by any other code, department or division of the City in which the work is performed.
 - VALIDITY OF OTHER LAWS. Neither issuance of a permit nor the approval by the department of any document shall constitute an approval of any violation of any provision of building codes, rules, etc. that may affect his work. Some codes that may affect the work are but not limited to the current edition of the Uniform Building Code, Uniform Mechanical Code, Uniform Plumbing Code, etc. and the Uniform Building Code. Special reference is hereby made to the seismic bracing, tie downs, etc. in the Uniform Building Code for appliances, equipment, etc.
- ALL WORK, CONSTRUCTION AND MATERIALS shall comply with all provisions of the current edition of the governing building code and with other rules, regulations, and ordinances governing the place of the building. Building Code requirements take precedence over the drawings and it shall be the responsibility of anyone supplying labor, materials or both to install his work in conformance with the Building Code and to bring to the attention of the Architect any discrepancies or conflicts between the requirements of the Building Code and the Drawings. DIVISION 1 SHALL APPLY TO ALL DIVISIONS.
- DIMENSIONS & CONDITIONS at the job site shall be verified by the Contractor(s). Discrepancies in the drawings or between the drawings and actual field conditions shall be reported to the Architect. Corrected drawings or instructions shall be issued by the Architect prior to the installation of any work.
- ELECTRICAL, PLUMBING, AND MECHANICAL PLANS shall be submitted for plan check and be approved prior to the beginning of construction. All work in these areas shall be in conformance with the building codes (i.e. Uniform Mechanical Code, Uniform Plumbing Code, etc.) and the Uniform Building Code. Special reference is hereby made to the seismic bracing, tie downs, etc. in the Uniform Building Code for appliances, equipment, etc.
- SCAFFOLDING OR FALSEWORK: The construction or demolition of any building, structure, scaffolding or falsework more than 3 stories or 36' in height, requires a permit from the State of California Division of Industrial Safety prior to the issuance of a building permit.
- CONSTRUCTION SAFETY:
 - All work shall conform to the requirements of OSHA or CAL-OSHA, whichever is more restrictive.
 - Pedestrian protection shall conform to the requirements of Section 440T of the Building Code.
- TEMPORARY TOILET: Maintain sanitary toilet facilities during construction.
 - STAIRS
 - Metal stairs shall conform to the local Building Code.
 - Prior to installation of any stair, the contractor shall verify the rise, run, headroom and the number of treads and risers, and shall notify the Architect of any discrepancies between the drawing and actual field conditions. See Dimension and Conditions above.
 - Stair Numbering: See Fire Notes.
 - Stair requirements:
 - MAXIMUM RISER: 7" (T 3/4" 5.F.)
 - MINIMUM RUN: 11" (10" 5.F.)
 - MINIMUM HEAD ROOM: 6'-8"
 - HANDRAILS: 30" TO 34" high
 - MINIMUM CLEAR WIDTH: 3'-6" (3'-0" 5.F.)
- RAMP REQUIREMENTS:
 - Slope:
 - 6.66% (1:15) maximum slope without handrails. Ramps exceeding this slope shall have handrails.
 - 8.33% (1:12) maximum allowable for handicap access.
 - 12.5% (1:8) maximum.
 - Surface: Roughened or non-slip.
- EXITS shall be a minimum of 3'-8"(44") wide to public way.
- GUARDRAILS: All unenclosed floor and roof openings, open and glazed sides of landings and stairs, balconies or porches which are more than 30" above grade, and roofs used for other than service of the building shall be protected by a guardrail with a minimum height of 42". Open guardrails and stair railings shall have intermediate rails or an ornamental pattern such that no object 4 3/4" in diameter can pass through. Guardrails shall be designed for 20 lb. lateral load. (Sec. 101B) See Structural Calculations and Details.

14. BATHROOMS:

- Refer to DIVISION 25, Drywall.
- In other than dwelling units, (public area, toilets, showers, saunas, etc.) toilet room floors shall have a smooth, hard, non-absorbent, material such as portland cement, concrete, ceramic tile, or other approved material which extends upward onto the walls at least 5". Walls within water-closet compartments and walls within 2 ft. of the front and sides of urinals shall be similarly finished to a height of 4 ft. (Sec. 2508, 2509)
- Provide two-hour construction behind all tubs placed adjacent to division / party / fire walls / partitions.
- Showers: Walls, in all occupancies, shall be finished as specified in subsection (2) above to a height of 7'-0" minimum above the drain inlet. See also DIVISION 25, Drywall.
- Glazing at showers and tubs: Glazing used in doors and panels of shower and bathtub enclosures shall be fully tempered, laminated safety glass or approved plastic (Sec. 2406.3)

15. CEILING PROJECTIONS: There will be no projections, (light fixtures, etc.) below the 7'-0" high ceilings at hallways, closets, kitchens, etc.

16. TRASH CHUTES: Hatch doors shall be labeled with a one-hour minimum rating. Provide sprinklers conforming to the requirements of the Plumbing code.

17. TRASH ENCLOSURES: Shall be of non-combustible construction.

18. FIRE ASSEMBLIES:

- All fire assemblies shall be labeled by an approved testing agency except oversize fire doors which shall be provided with a certificate of inspection furnished by an approved testing agency verifying that the oversize door complies with the design materials and construction requirements.
- A sign shall be displayed permanently near or on each required fire door in letters not less than 1" high to read as follows:

FIRE DOOR
DO NOT OBSTRUCT

20. FIRE RESISTIVE WALLS OR PARTITIONS:

- Shall conform to Division 7 of the Building code.
- DIVISION OR SHAFT ENCLOSURE WALLS: Shall not be pierced by electrical panels, fire hose cabinets, stove vents, or any other item. Openings into one-hour shafts shall be protected by one-hour fire-protected assemblies with self-closers. Openings into 2-hour shafts shall be protected with 1 1/2 hour fire-protected assemblies with self-closers. Provide fire dampers rated as for openings where ducts pierce shaft enclosure.
- FIRE WALLS: Shall have a minimum time period of fire resistance of 2 hours and shall conform to the requirements of SEC. 705 of the Building Code.
- 3-HOUR SEPARATIONS: 8" concrete block with all cells filled solid conforming to Tables T20.1, T20.2 and T20.3, Item of the Building Code.

21. ONE-HOUR CONSTRUCTION: Building type of one-hour fire resistive construction throughout. The following specifications shall APPLY UNLESS SHOWN OTHERWISE ON THE DRAWINGS.

- Openings:
- Openings in floors, shall be enclosed by a one-hour shaft.
 - Openings in walls and partitions shall be protected as specified in Section 4906 of the building code. Where fire-rated walls and partitions require protected openings, the following penetrations into or through such construction are permitted per (Sec. 715):
 - Copper or ferrous pipes or conduits may penetrate walls or partitions, if fire stopped as required by the Building Code.
 - For steel electrical outlet boxes not exceeding 16 sq. in. in area, provided that the area of such openings does not aggregate more than 100 sq. in. for any 100 sq. ft. of wall or partition area. Outlet boxes on opposite sides of walls or partitions shall be separated by a horizontal distance of 24". SEE DIVISION 15, SPECIALTIES.
 - All other penetrations by ducts etc. shall not exceed 100 sq. in. for any 100 sq. ft. of wall or ceiling area.
 - Corridor Construction: Walls and ceilings of 5/8" type "X" gypsum wall board installed per Chapter 43, of the building code, for 1-hour construction.
 - Fire assemblies across exit corridors or which are part of a division wall shall be automatic-closing fire-assemblies which will close automatically upon activation of a smoke detector. Door hold-open devices shall be installed and shall be of an approved type which will release the door so that it will close in the event of a power failure.
 - Openings: Where corridor walls are required to be of 1-hour fire resistive construction, every door shall be protected by a tight-fitting smoke and draft control door assembly having a fire-protection rating of not less than 20 min. per Section 715. Other corridor interior openings shall be fixed and protected by approved 1/4" thick wire glass installed in steel frames per Section 715.

22. FLOORS: Double floor consisting of, a subfloor of 1" nominal wood sheathing or 5/8" plywood, and a finish floor consisting of tongue and groove flooring or a layer of 5/8" plywood having joints staggered with respect to the surface below, or a minimum of 1 1/2" light-weight concrete. Building paper shall be laid between subfloor and finished floor per sec. 711 of the Building Code.

- Walls: 5/8" approved Type "X" wallboard fastened to wood studs per Table T11.1(2) of the Building Code; joints cemented and taped. At exterior surfaces of exterior walls, 7/8" stucco or cement plaster conforming to requirements of Ch. 7 of the Building Code.
 - or
 - 1/2" gypsum wallboard nailed at 7" o.c. to wood studs with 5d drywall nails, with high density rock wool insulation in the spaces between the studs, conforming to the requirements of the governing code.
 - or
 - 3/4" drop siding or 3/8" exterior plywood over w.p. building paper over 1/2" gypsum board sheathing.
- Ceilings: Any assembly specified in Table T20.1(2) of the Building Code.
 - or
 - At floor/ceiling assemblies, approved 1/2" fire rated gypsum board conforming to approved assembly.
- Roof: Fire-retardant roof covering which shall be:
 - Any class A or B built-up roofing assembly.
 - Any method specified in Ch. 15

- Parts or portions of structures, non-structural components and their anchorage to the main structural system shall be designed for lateral forces per sec. 2308.
- COMPACT PARKING STALLS: Where compact stalls are provided, provide a sign at each garage entrance or other appropriate location which shall contain the following information:
 - Compact cars are to be parked in compact stalls when available.
 - Standard size cars should not be parked in "COMPACT ONLY" stalls.
 - Problems concerning parking should be reported to the property owner or designated representative.
 - Provide the phone number of the property owner or designated representative.

23. TYPE V-B CONSTRUCTION: Buildings of type V-B shall be non-rated throughout using any materials permitted by code including structural elements, exterior and interior walls except walls closer than 5 ft. shall comply with T-601 and T-602 of CBC.

DIVISION 2 - SITE WORK

- Check with City / County Building Official for exceptions of soils investigation requirements of existing and surrounding buildings conditions and type V construction 4000 sf. or less based on Sec. 1802.2
- SOILS REPORT: For soils information, refer to the Foundation Investigation, Appendices, and Amendments which shall be supplied by the Owner, and shall be a part of these Contract Documents. Building Department conditions of approval of soils report to be on site and complied with at all times.

If the actual foundation design loads do not conform to the Foundation loads assumed in the report, the Foundation Engineer shall submit a supplementary report containing specific design recommendations for the heavier loads to the Building Department for review and approval prior to issuance of a permit.

Approval of the soils report does not waive the requirements for excavations contained in the State Construction Safety Orders enforced by the State Division of Industrial Safety.
 - DEPTH OF FOOTINGS: See structural drawings and soils report.
 - GRADING & EXCAVATIONS:
 - When notification of adjacent property owners is required, by the Building Code, no excavation or grading shall commence until 10 days after the required notices have been posted on the site.
 - This project contains No trenches or excavations 5' or more in depth into which a person is required to descend. If otherwise, obtain necessary permit from the State of California, Division of Industrial Safety prior to the issuance of a building or grading permit.
 - Temporary shoring is required for excavations that remove the lateral support from a public way or an existing building. Excavations adjacent to a public way require Public Works approval prior to issuance of a building permit.
 - Sub-System drain to slope 1/8" min. to sump locate close to footing.
 - DEMOLITION/PREVENTION OF DUST: All debris shall be sufficiently wet at the time of handling to prevent dust from arising.
 - A permit is required for a protection fence or canopy on or over any street or public space Ch. 32.
 - All retaining walls shall be provided with standard surface backfill system and all drainage shall be conducted to the street in an acceptable manner and in a non-erosive device.
 - Adequate temporary erosion control devices acceptable to the Department, and if applicable the Department of Public Works, shall be provided and maintained during the rainy season.
 - All deck drainage shall be collected and conducted to an approved location in a non-erosive device.
 - All roof and pad drainage shall be conducted to the street in an acceptable manner.

DIVISION 3 - CONCRETE

- See structural drawings and additional general notes.
- See Division 2, Grading Notes.

DIVISION 4 - MASONRY

- DOOR OPENINGS IN MASONRY WALLS shall be 4-1/2" horizontal and 2-1/4" vertical larger than door dimension to provide for metal door frame.
- See structural drawings for additional general notes.
- See Division 2, Grading Notes.

DIVISION 5 - METAL

- WELDING: Welding shall be performed by Building Department Certified Welders.
- STEEL FABRICATION: All fabrication shall be done in the shop of a fabricator licensed by the City having jurisdiction or under the continuous inspection of a registered inspector licensed by the City having jurisdiction.
- See structural drawings for additional general notes.

DIVISION 6 - CARPENTRY

- GENERAL: All requirements of Ch. 23, of the Building Code shall be met.

- Prior to the placing of compacted fill, a representative of the consulting Soils Engineer shall inspect and approve the bottom excavations. He shall post a notice on the job site for the City Grading Inspector and the Contractor stating that the soil inspected meets the conditions of the report, but that no fill shall be placed until the City Grading Inspector has also inspected and approved the bottom of the excavation. A written certification to this effect shall be filed with the Department upon completion of the work. The fill shall be placed under the inspection and approval of the Foundation Engineer. A compaction report shall be submitted to the Grading Department upon completion of the compaction.
- The geologist and soil engineer shall inspect all excavations to determine that conditions are as anticipated and shall make recommendations for correction of hazards found during grading.
- Any recommendations prepared by the consulting geologist and/or the soils engineer for correction of geological hazards found during grading shall be submitted to the Department for approval prior to utilization in the field.
- If import soils are used, no footings shall be poured until the Soils Engineer has submitted a compaction report containing in-place shear test data and settlement data, to the Department, and obtained approval.
- All friction pile or caisson drilling and installation shall be performed under the continuous inspection and approval of the Foundation Engineer.
- Prior to the pouring of concrete, a representative of the consulting Soil Engineer shall inspect and approve the footing excavations. He shall post a notice on the job site for the City Building Inspector and the Contractor stating that the work so inspected meets the conditions of the report, but that no concrete shall be poured until the City Building Inspector has also inspected and approved the footing excavations. A written certification to this effect shall be filed with the Building Department upon completion of the work.
- Installation of shoring, underpinning, and or slot cutting excavations shall be performed under the continuous inspection and approval of the Soil Engineer.

- FLATES, SILLS, AND SLEEPERS: All foundation plates or sills and sleepers on a concrete or masonry slab, which is in direct contact with earth, and sills which rest on concrete or masonry foundations, shall be treated wood or Foundation redwood. (Sec. 2304).
- WOOD/EARTH SEPARATION: Wood located nearer than 8" to earth shall be treated wood or wood of natural resistance to decay, as defined in Section 2304). Where located on concrete slabs placed on earth, wood shall be treated wood or wood of natural resistance to decay. Where not subject to water splash or to exterior moisture and located on concrete having a minimum thickness of 3" with an impervious membrane installed between concrete and earth the wood may be of any species. (Sec. 2304)
- STUD WALLS: Typical walls shall be framed with 2 x 4 studs at 16" o.c. except where noted otherwise (See structural drawings).
- FIRE STOPS FOR STUD WALLS AND PARTITIONS: Enclosed spaces in stud walls, partitions and furred walls shall be fire-stopped at the top and bottom and also at the mid-point in walls more than 10 feet high. The distance between fire-stops in walls and partitions shall not exceed 10 feet measured horizontally or vertically. Top and bottom plates which fill all spaces between studs and furring shall be considered fire-stops. Sec. 717.
- NOTCHING & BORING: At exterior walls and bearing walls studs shall not be notched more than 25% width of stud; at non-bearing partitions not more than 40% width of studs. Bored holes: max diameter 40% any stud and 60% non-bearing stud partitions or in any wall where each bored stud is doubled, provided not more than 2 such successive doubled studs are so bored: No bored hole closer than 5/8" to edge of stud. (Sec. 2308.4) of the building code. Verify with structural drawings. (See DIVISION 15, Plumbing Notes within these general notes)
- PENETRATIONS: Penetrations in walls requiring protected openings shall be fire-stopped. Firestopping shall be an approved material securely installed and capable of maintaining its integrity when subjected to test temperatures prescribed in C.B.C. Standards for the specific wall or partition. (Sec. 712)
- PLYWOOD ROOF SHEATHING shall be bonded with intermediate or exterior type glue. (Sec. 2304).
- Provide draft stops for floor-ceiling assemblies per sec. 717. Draft stops are required above and in line with walls separating tenant spaces from each other and from other uses per sec. 717.

DIVISION 7 - THERMAL & MOISTURE PROTECTION

- ENERGY INSULATION:
 - All exterior walls shall be insulated with blanket-type mineral fiber or glass fiber insulation conforming to Federal specification HH-1-321E with thermal resistance (R) of not less than 13. Batts shall be kraft faced.
 - All ceilings of roof-ceiling assemblies shall be insulated with a blanket-type mineral or glass fiber insulation conforming to Federal specifications HH-1-1030A with a thermal resistance (R) of not less than 30. Floor insulation, R-19 (See wall sections). Batts shall be kraft faced.
 - Swinging doors or windows to the exterior of unconditioned spaces such as garages shall be fully weather-stripped, gasketed or otherwise treated to limit air infiltration.
 - All sliding glass doors and windows shall be certified and labeled to show conformance with current air infiltration standards of American National Standards Institute (A134.1, A134.3, and A134.4) when tested in accordance with ASTM E 283-T3 with a pressure differential of 1.57 lb/sq. ft.
 - Required tinting and glazing shall be permanently tinted or permanently surface coated by the manufacturer of the glazing material and shall provide a maximum tinting coefficient of 0.55.
 - All steam and steam condensate return piping and all continuously circulating domestic or heating hot water piping shall be insulated as required by the plumbing division.
 - A Certificate of Compliance signed by the insulation contractor and general contractor shall be prominently posted on the site. Certificates can be obtained at all Building Department offices.
 - All glazing and insulation shall conform to the State Insulation Standards.
- BELOW GRADE WATER-PROOFING:
 - Filmkote below-grade wall waterproofing system or equal approved.
 - Poly Resin, Inc. - "Urbond", or equal approved.
 - Thoro System Products below-grade wall waterproofing, or equal approved.
 - See Division 2, Grading Notes.
- WEEP SCREEDS: A weep screed shall be provided at the foundation plate line on all exterior stud walls constructed on concrete slabs at grade. The screed shall be of a type which will allow trapped water to drain to the exterior of the building.
- ROOF CONSTRUCTION: Roofing shall conform to Chapter 15 of the Building Code.
- PARAPET COPING: All parapets shall be provided with coping of approved materials. When of metal, use 26 ga. galvanized steel (Sec. T04.11).
- ROOF DRAINAGE: See Section 1503 Roof Drainage, and CMC. Minimum roof slope shall be 3/8" to 1'-0".
- See Division 2, Grading Notes.

- FLATES, SILLS, AND SLEEPERS: All foundation plates or sills and sleepers on a concrete or masonry slab, which is in direct contact with earth, and sills which rest on concrete or masonry foundations, shall be treated wood or Foundation redwood. (Sec. 2304).
- WOOD/EARTH SEPARATION: Wood located nearer than 8" to earth shall be treated wood or wood of natural resistance to decay, as defined in Section 2304). Where located on concrete slabs placed on earth, wood shall be treated wood or wood of natural resistance to decay. Where not subject to water splash or to exterior moisture and located on concrete having a minimum thickness of 3" with an impervious membrane installed between concrete and earth the wood may be of any species. (Sec. 2304)
- STUD WALLS: Typical walls shall be framed with 2 x 4 studs at 16" o.c. except where noted otherwise (See structural drawings).
- FIRE STOPS FOR STUD WALLS AND PARTITIONS: Enclosed spaces in stud walls, partitions and furred walls shall be fire-stopped at the top and bottom and also at the mid-point in walls more than 10 feet high. The distance between fire-stops in walls and partitions shall not exceed 10 feet measured horizontally or vertically. Top and bottom plates which fill all spaces between studs and furring shall be considered fire-stops. Sec. 717.
- NOTCHING & BORING: At exterior walls and bearing walls studs shall not be notched more than 25% width of stud; at non-bearing partitions not more than 40% width of studs. Bored holes: max diameter 40% any stud and 60% non-bearing stud partitions or in any wall where each bored stud is doubled, provided not more than 2 such successive doubled studs are so bored: No bored hole closer than 5/8" to edge of stud. (Sec. 2308.4) of the building code. Verify with structural drawings. (See DIVISION 15, Plumbing Notes within these general notes)
- PENETRATIONS: Penetrations in walls requiring protected openings shall be fire-stopped. Firestopping shall be an approved material securely installed and capable of maintaining its integrity when subjected to test temperatures prescribed in C.B.C. Standards for the specific wall or partition. (Sec. 712)
- PLYWOOD ROOF SHEATHING shall be bonded with intermediate or exterior type glue. (Sec. 2304).
- Provide draft stops for floor-ceiling assemblies per sec. 717. Draft stops are required above and in line with walls separating tenant spaces from each other and from other uses per sec. 717.

DIVISION 8 - FINISHES

- See structural drawings and additional general notes.
- See Division 2, Grading Notes.

DIVISION 9 - PAINTS & COATINGS

- See structural drawings and additional general notes.
- See Division 2, Grading Notes.

DIVISION 10 - GLAZING

- See structural drawings and additional general notes.
- See Division 2, Grading Notes.

DIVISION 11 - ROOFING

- See structural drawings and additional general notes.
- See Division 2, Grading Notes.

REVISIONS

DATE	
	△

CALIFORNIA LIBERTY INVESTMENTS
537 CERES AVE
LOS ANGELES, CA 90013

PROJECT:-
FOOTHILL RANCHO PLAZA
NEW SHOPPING CENTER
9606-96012-9622 FOOTHILL BLVD
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PROJECT NO: 120102
CAD DWG FILE: 611
DRAWN BY: H.B.
CHECKED BY: G.B.
SCALE: NOTED
DATE: 04-04-12

SHEET TITLE:
GENERAL NOTES

SHEET
GN - 1
3 OF 25

DIVISION 5 - DOORS & WINDOWS

- EXIT DOORS:** Every exit door shall be operable from the inside without the use of a key or any special knowledge or effort. Special locking devices shall be of an approved type. Exit door must open over a landing not more than 1/2" below the threshold. (Sec. 1124(b)). Exit doors serving 50 or more occupants shall open in the direction of exit and shall be equipped with panic hardware.
- FIRE DOORS** shall be self closing (or automatic closing where required) labeled "Fire Assemblies", including frame and hardware equipped with metal thresholds, and without mail slots or vent openings.
- GLAZING:**
 - Glass thickness, strength, materials and method of installation shall conform with requirements of Chapter 24 of the Building Code.
 - Glass and glazing in locations which may be subject to human impact such as flameless glass doors, glass panels, glass exit and entrance doors, sliding glass doors, shower doors, tub enclosures, and storm doors shall meet the requirements set forth in the CBC, current Edition.
 - Glass doors, adjacent panels and all glazed openings within 18" of the adjacent floor, whose least dimension is greater than 18", shall be of glass approved for impact hazard per Section 2406.
 - All glass must comply with U.S. Consumer Safety Protection Commission requirements.
- SMOKE AND DRAFT CONTROL:** Doors required to have smoke and draft control assemblies shall be provided with a gasket so installed as to provide a seal where the door meets the stop on both sides and across the top.
- SECURITY PROVISIONS:** All openings noted with the symbol are security openings and the following notes shall apply:
 - All entry doors, sliding glass doors, windows and glazed openings shall conform to the requirements of Security Provision of Local Building Code. Entry doors shall be arranged so that the occupant has a view of the area immediately outside the door without opening the door. Such a view may be provided by a door viewer.
- SWINGING DOORS:**
 - Door stops of in-swinging doors separating dwelling units from public areas shall be of one-piece construction with the jamb or joined by rabbet to the jamb.
 - All pin-type hinges which are accessible from outside the secured area when the door is closed shall have non-removable hinge pins. In addition, they shall have minimum 1/4" diameter steel jamb studs with 1/4" minimum projection unless the hinges are shaped to prevent removal of the door if the hinge pins are removed.
 - The strike plate for latches and the holding device for projecting deadbolts in wood construction shall be secured to the jamb and the wall framing with screws of not less than 2-1/2" length.
 - Deadbolts shall contain hardened inserts.
 - Straight deadbolts shall have a minimum throw of 1" and an embedment of not less than 5/8".
 - A hook-shaped or an expanding-lug deadbolt shall have a minimum throw of 3/4".
 - Wood flush-type doors shall be 1-3/8" thick minimum with solid core construction.
 - Hollow core door or doors less than 1-3/8" thickness shall be covered on the inside face with 16 gauge sheet metal attached with screws at 6" on center around the perimeter or equivalent.
- Glass doors** shall have fully tempered glass complying with Section 2406.1-6 of the Building Code.
- Doors shall be provided with key-operated locks on the exterior and shall be operable from interior without key, special knowledge or special effort.
- Windows and door lights within 40" of the locking device of the door or window shall be fully tempered.
- Door locking device shall be a type that will be readily distinguishable as locked. Exit doors used in pairs shall have approved automatic flush bolts.
- One-hour rated door assemblies shall have non-combustible stiles extending the full width of the door frame. The assembly shall be capable of withstanding a maximum 450 F temperature rise above ambient after 30 minutes of fire test.
 - Overhead garage door spring must be contained with a restraint device to anchor the spring to any part thereof in the event of fracture. Both the spring and the restraint device must be identified as conforming to the California Department of Housing and Community Development.
- Cylinder guards shall be installed on all cylinder locks whenever the cylinder projects beyond the face of the door or is otherwise accessible to gripping tools.
- Screens, barricades, or fences made of material which preclude human climbing shall be provided at every portion of every roof, balcony, or similar surface which is within 8' of a utility pole or similar structure.
- Sliding glass doors and windows shall be equipped with locking devices and shall be so constructed and installed that they remain intact and engaged when subjected to the tests specified in the Building Security Code.

- Sliding doors and windows shall be provided with a device in the upper channel of the moving panel to prohibit raising and removing of the moving panel in the closed or partially open position.
 - Louvered windows shall be protected by metal bars or grills with openings that have at least one dimension of 6" or less, which are constructed to preclude human entry.
 - Other operable windows shall be provided with substantial locking devices.
- DIVISION 9 - FINISHES**
- DECORATIONS** used in public areas shall be noncombustible or flameproofed in an approved manner.
 - INTERIOR FINISHES** shall comply with the flame spread and smoke density requirements of Chapter 12 of the Building Code.
 - PLASTERED SURFACES:** On walls, ceilings, and roof soffits exposed to weather shall have exterior lath and plaster conforming to Section 2507 and T.2507.2 respectively, unless exempted by other sections of this code.
 - LATH AND WALLBOARD:** In place inspection is required for all interior and exterior lath and/or wallboard before any plastering is applied or any joints and fasteners have been taped and finished.
 - DRYWALL:**
 - Drywall shall conform to Sec. 2508 of Building Code.
 - Drywall located behind required non-absorbant surfaces shall be water-resistant, see DIVISION 1, BATHROOMS.

DIVISION 10 - SPECIALTIES

NOT USED

DIVISION 11 - EQUIPMENT

NOT USED

DIVISION 12 - FURNISHING

NOT USED

DIVISION 13 - SPECIAL CONSTRUCTION

- SOUND TRANSMISSION CONTROL:** Refer to State noise Insulation Standards for Sound Rated Partitions and Impact Rated Floor/Ceiling Assemblies and Chapter 35 of Building Code for total requirements.

Sound control shall be provided in walls and floor-ceiling separating dwelling units and between such residential uses and any public uses (Such as interior corridors, interior public areas, service areas, garages, etc.).

 - WALLS:** Airborne sound control with minimum STC rating of 50.
 - FLOORS/CEILINGS:** Airborne sound control with minimum STC rating of 50 and impact sound control with minimum IIC rating of 50.
- ADDITIONAL REQUIREMENTS:**
 - An approved permanent, and resilient acoustical sealant will be provided along the joint between the floor and the separation walls.
 - All penetrations into sound rated partitions or floor/ceiling assemblies will be sealed with approved resilient sealant.
 - All rigid conduit, ducts, plumbing pipes and appliance vents located in sound assemblies will be isolated from the building construction by means of resilient sleeves, mounts or minimum 1/4" thick approved resilient material. (Exception: gas piping need not be isolated.)
 - Metal ventilating and conditioned air ducts located in sound assemblies will be lined. (Exception: Ducts serving only kitchen cooking facilities, and bathrooms need not be lined.)
 - Wall mounted lavatories and toilets are not permitted on sound rated partitions.
 - Combustion air, kitchen and bathroom exhaust ducts within sound-separation assemblies shall be wrapped with approved insulation.
- ELECTRICAL REQUIREMENTS:** An outlet box is defined as a box used for receptacles, switches, surface-mounted lighting fixtures, junction points, telephone, thermostats, television uses, etc. No box dimension shall exceed 6".
 - Only outlet boxes and a ceiling exhaust fan in the bathroom will be permitted in walls and ceilings of sound rated construction. All other equipment and devices which include recessed fixtures, panel boards, heaters, kitchen exhaust fan, sound producing equipment, bells, intercoms, etc., shall not be installed in these sound rated walls and ceilings unless prior approval has been obtained from the Structural Research Engineer.

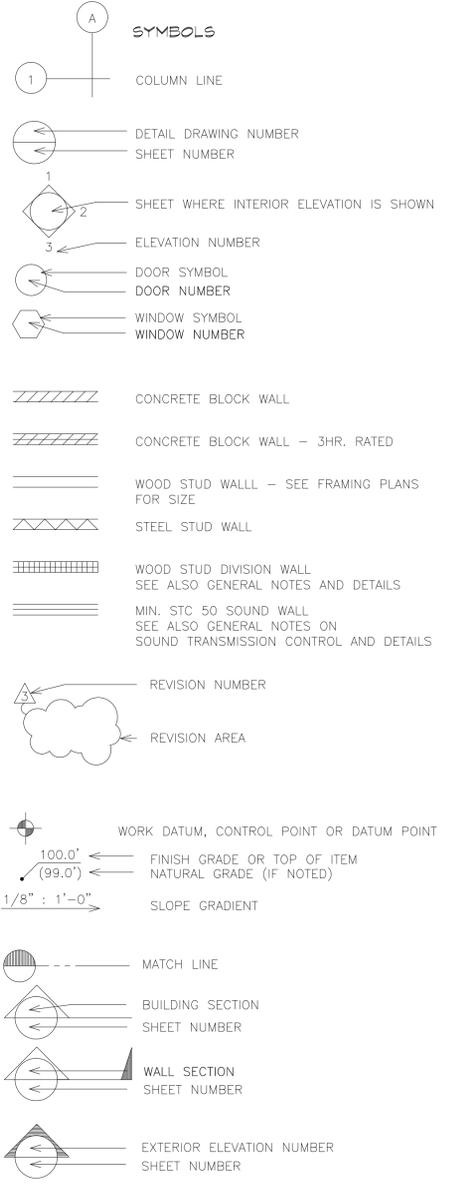
- Outlet boxes may be installed in the sound rated walls or ceilings as follows:
 - Boxes which penetrate the wall in one area or occupancy shall not be installed in the same space between studs containing a box which penetrates into another area or occupancy.
 - There shall be one solid stud between outlet boxes and minimum 24" separation from center to center.
 - Outlet boxes shall have a depth of not more than 1-1/2", so as to allow the required 2" uncompressed insulation to be installed in a standard 2" x 4" wall. On walls of deeper dimensions, boxes of greater depths may be used.
 - Back and sides of boxes shall be sealed with 1/8" resilient sealant and backed with 2" minimum mineral fiber insulation (TV, telephone, and intercom outlets must be installed in boxes accordingly).
 - Conduits or raceways (stubsouts) may penetrate the sound rated walls or ceilings, provided the conduit is covered at the penetration point with a permanently resilient sealant.
 - The requirements for outlet boxes installed for televisions, telephones and thermostats (electrical and pneumatic) shall be the same as for receptacles or switches. Plaster rings, open back boxes, or mounting plates shall not be permitted.
 - Where metallic raceway material (rigid metal conduit, steel tube) is installed in sound rated floor-ceiling assemblies it shall be isolated from the floor joist with a resilient material at the points of support. At the point where the raceway passes through holes or notches, care should be taken to insure that the raceway does not touch the surface of the joists. The resilient material used may be rubber, carpet padding, or other approved material.
 - When rigid metallic raceway is installed in the floor-ceiling spaces, the space shall have a minimum of 2" of mineral insulation below. Care should be taken during installation of the raceway to allow for this 2" of noncompressed insulation below.
 - Floor-ceiling assemblies between residential areas and equipment penthouses (AC units, etc.) shall be installed in accordance to meet the sound separation requirements.
 - Doors to units from interior corridors are required to have a minimum STC rating of 30 (Laminated 1 3/4" solid-core doors with resilient stops and gaskets meet this requirement).
 - Mineral fiber insulation shall be installed in joist spaces to a point 12" beyond the pipe or duct, whenever a plumbing pipe, or duct penetrates a floor-ceiling assembly from within a wall.
 - Surface material (including carpets) are part of the floor-ceiling assembly and must be installed and inspected before the Certificate of Occupancy is issued.
- DIVISION 14 - ELEVATORS**
- Elevators shall conform to Chapter 30 of Building Code.
 - General Cab Requirements:
 - All Handicap Codes including but not limited to Title 24.

DIVISION 15 - MECHANICAL

- GAS SHUT-OFF:** Shall be provided outside the building and shall be conspicuously marked.
- ROOF DRAINAGE:**
 - Where roof systems are not designed to support accumulated water, they shall be sloped for drainage. See Section 1503 of the Building Code.
 - Unless roofs are sloped to drain over roof edges, or to support accumulated water, roof drains shall be installed per Section 3207(b).
 - Where roof drains are required, overflow drains or scuppers shall be provided per plumbing Code.
 - Roof drains discharging water within 25 feet of a street property line must be conducted under sidewalk. All roof drainage shall be conducted to the street by means of approved non-erosive device.
 - Overflow drain drain lines shall be independent from the roof drain lines.
- FAN EXHAUST SYSTEMS:**
 - For mechanical ventilation systems used in lieu of required windows at toilet rooms, laundries, and other areas requiring windows, provide a fan exhaust system operable from light switch which provides five air changes per hour direct to outside air.
 - Every exhaust system shall terminate at a point outside of the building not less than 5 ft. from any operable window or fresh air intake. (UMC 1104(a))

- Exhaust outlets for ducts that convey noxious gases, flammable vapors or corrosive vapors, shall terminate outside of the building and at least 10 ft. from any building and shall be located at least ten feet above the adjoining grade level. Every such exhaust outlet which is located above the roof shall extend at least two feet above the roof surface per Mechanical Code.
 - Provide fire dampers where ducts pierce corridor wall or ceiling and enter a shaft.
 - WATER HEATERS, BOILERS, AND STORAGE TANKS** with non-rigid water connections shall be strapped for lateral support. See Division 1.
 - APPROVED GAS VENTS** installed in walls or buildings 3 stories or less in height (4 stories if equipped with an automatic fire-extinguishing system) need not be enclosed.
 - HEATING:**
 - Heating for apartments shall be provided by facilities capable of maintaining a room temperature of 70 degrees Fahrenheit at a point three feet above the floor in all habitable rooms. No vented or open flame gas heaters shall be permitted.
 - Plans and calculations for the capacity of the comfort heaters shall be submitted to the Governing Agency for approval prior to installation.
 - All heaters or cooling ducts located outside the building energy envelop shall have all joints and seams sealed and shall be insulated with a minimum of 1" thick (0.6 kbs/cu. ft.) fibrous insulation.
 - All gas appliances except water heaters and range top burners shall be equipped with intermittent ignition devices.
 - Provide backdraft dampers in all fan systems exhausting air from the energy envelope.
 - GARAGE VENTILATION:** Every parking garage (5-2 occupancy) when provided with a mechanical system of ventilation, shall provide a uniform movement of air sufficient to produce one complete change of air every fifteen minutes. Where a mechanical exhaust system is used, the exhaust ventilation shall be taken at a point within 18" of the floor level. All ducts shall be protected and maintained so that designed capacities shall not be impaired. Ventilation duct openings shall be spaced not further than 50 feet apart around the perimeter of the room. See drawings for those rooms requiring a mechanical system of ventilation. (Sec. 406)
 - FIRE SPRINKLERS** shall be provided only at locations shown on the drawings. System must be approved by Plumbing Division prior to installation.
 - PLUMBING NOTES:**
 - The sizes of cuts, notches or holes made into woodframe members, through which plumbing or water piping may pass, may be of such size and shape, and so located as to permit a general downward free movement of the wood framing, relative to the plumbing or water piping at 5/8" at that level for each floor below the notch or hole level. Obtain Structural Engineer's permission before cutting or notching structural member.
 - All water outlets including tubs, showers and lavatories shall be positioned in the gypsum board walls with 5/8" clear at top shall not be plastered or grouted solid. All joints shall be fitted with non-hardening mastic and covered with escutcheon plates.
 - All wood framing will shrink. Shrinkage in wood-frame members may be assumed to be 4% transverse to the grain, and approximately 0.2% in the direction of the grain, and the total amount to be compensated for in either direction shall be at least the sum of the calculated increments of shrinkage in that direction for each wood member. For purpose of general calculation allow 5/8" shrinkage per floor for wood framing.
 - In compensating for movement of wood framing in either direction, swing joints, loops, acceptable sleeve connections, flexible connectors, and/or other applicable types of joints appropriately located at each floor and acceptable to the Department of Building and Safety may be used in lieu of cuts, notches or holes as specified above. Detailed information showing proposed method must be furnished to the contractor prior to issuance of a plumbing permit.
 - Plumbing clean outs shall not be visible from living, dining and hall except as noted on plans.
 - All gas piping shall have joints at each floor or other City Plumbing Code approved devices for flexible gas pipe installation.
 - Bathbubs shall have solid connections thereby eliminating access panels.
 - Provide sway bracing on any piping so designated by the building inspector.
- DIVISION 16 - ELECTRICAL**
- LIGHTING** shall conform with the requirements of the Electrical Code.
 - T.V. ANTENNA CROSSARMS** and other roof obstructions shall be located 7 feet minimum above the roof.

- FLOODLIGHTS:** All lighting shall be directed into the site and no floodlighting shall be located so as to be seen directly by the adjacent residential areas. (Low level security lighting not precluded.)
- Refer to Division 13 - Special Construction.
- FIRE ALARM SYSTEM:** Provide a fire alarm system approved by the Fire Department. The system shall be automatic or manually operated and shall be so designed that all occupants are warned simultaneously in the event of fire. Three copies of the fire alarm system must be submitted to the Fire Department for approval prior to installation.
- EXIT SIGNS:** Shall have a minimum 6" high letters. Requirements for internal illumination of exit signs shall conform with the electrical code.
- CORRIDOR LIGHTING:** Shall conform with the requirements of the electrical code.
- All house lighting shall be on a time clock controlled to permit lighting reductions during specific time periods.
- EXITWAY LIGHTING:** Shall be provided giving a value of one foot candle at floor level.



REVISIONS	
DATE	

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CALIFORNIA LIBERTY INVESTMENTS
 537 CERES AVE
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PROJECT:
FOOTHILL RANCHO PLAZA
 NEW SHOPPING CENTER
 9606-96012-9622 FOOTHILL BLVD
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PROJECT NO: 120102
 CAD DWG FILE: 611
 DRAWN BY: H.B.
 CHECKED BY: G.B.
 SCALE: NOTED
 DATE: 04-04-12

GENERAL NOTES

A. APPLICATION: BY OWNER

B. BUILDING BLOCKS
FLOOR OR GROUND SURFACES

- FLOOR AND GROUND SURFACES SHALL BE STABLE, FIRM, AND SLIP RESISTANT. §11B-302.1
- CARPET OR CARPET TILE SHALL BE SECURELY ATTACHED AND SHALL HAVE A FIRM CUSHION, PAD, OR BACKING OR NO CUSHION OR PAD. CARPET OR CARPET TILE SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL CUT/JUNCUT PILE TEXTURE. PILE HEIGHT SHALL BE ¼ INCH MAXIMUM. §11B-302.2, FIGURE 11B-302.2

CHANGES IN LEVEL

- VERTICAL CHANGES IN LEVEL FOR FLOOR OR GROUND SURFACES MAY BE ¼ INCH HIGH MAXIMUM AND WITHOUT SLOPE CHANGES IN LEVEL GREATER THAN ¼ INCH AND NOT EXCEEDING ¼ INCH IN HEIGHT SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2. §11B-303, FIGURES 11B-303.2 & 11B-303.3
- CHANGES IN LEVEL GREATER THAN ¼ INCH IN HEIGHT SHALL BE RAMPED AND SHALL COMPLY WITH THE REQUIREMENTS OF 11B-405 RAMPS OR 11B-406 CURB RAMPS AS APPLICABLE. §11B-303
- ABRUPT CHANGES IN LEVEL EXCEEDING 4 INCHES IN A VERTICAL DIMENSION BETWEEN WALKS, SIDEWALKS OR OTHER PEDESTRIAN WAYS AND ADJACENT SURFACES OR FEATURES SHALL BE IDENTIFIED BY WARNING CURBS AT LEAST 6 INCHES IN HEIGHT ABOVE THE WALK OR SIDEWALK SURFACE OR BY GUARDS OR HANDRAILS WITH A GUIDE RAIL CENTERED 2 INCHES MINIMUM AND 4 INCHES MAXIMUM ABOVE THE SURFACE OF THE WALK OR SIDEWALK. THESE REQUIREMENTS DO NOT APPLY BETWEEN A WALK OR SIDEWALK AND AN ADJACENT STREET OR DRIVEWAY. §11B-303.5
- CIRCULAR TURNING SPACES SHALL BE A SPACE OF 60 INCHES DIAMETER MINIMUM AND MAY INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 11B-306 KNEE AND TOE CLEARANCE. §11B-304.3.1
- T-SHAPED TURNING SPACES SHALL BE A T-SHAPED SPACE WITHIN A 60 INCH SQUARE MINIMUM WITH ARMS AND BASE 36 INCHES WIDE MINIMUM. EACH ARM OF THE T SHALL BE CLEAR OF OBSTRUCTIONS 12 INCHES MINIMUM IN EACH DIRECTION AND THE BASE SHALL BE CLEAR OF OBSTRUCTIONS 24 INCHES MINIMUM. §11B-304.3.2, FIGURE 11B-304.3.2

- KNEE AND TOE CLEARANCE
- FOR LAVATORIES AND BUILT-IN DINING AND WORK SURFACES REQUIRED TO BE ACCESSIBLE, TOE CLEARANCE SHALL BE PROVIDED THAT IS 30 INCHES IN WIDTH AND 9 INCHES IN HEIGHT ABOVE THE FINISH FLOOR OR GROUND FOR A DEPTH OF 19 INCHES MINIMUM. §11B-306.2.1

- TOE CLEARANCE SHALL EXTEND 19 INCHES MAXIMUM UNDER LAVATORIES FOR TOILET AND BATHING FACILITIES AND 25 INCHES MAXIMUM UNDER OTHER ELEMENTS. §11B-306.2.2
- AT LAVATORIES IN TOILET AND BATHING FACILITIES, KNEE CLEARANCE SHALL BE PROVIDED THAT IS 30 INCHES IN WIDTH FOR A DEPTH OF 11 INCHES AT 9 INCHES ABOVE THE FINISH FLOOR OR GROUND AND FOR A DEPTH OF 8 INCHES AT 27 INCHES ABOVE THE FINISH FLOOR OR GROUND INCREASING TO 29 INCHES HIGH MINIMUM ABOVE THE FINISH FLOOR OR GROUND AT THE FRONT EDGE OF A COUNTER WITH A BUILT-IN LAVATORY OR AT THE FRONT EDGE OF A WALL-MOUNTED LAVATORY FIXTURE. §11B-306.3.3, FIGURE 11B-306.3(C)

- AT DINING AND WORK SURFACES REQUIRED TO BE ACCESSIBLE, KNEE CLEARANCE SHALL BE PROVIDED THAT IS 30 INCHES IN WIDTH AT 27 INCHES ABOVE THE FINISH FLOOR OR GROUND FOR A DEPTH OF AT LEAST 19 INCHES. §11B-306.3

- PROTRUDING OBJECTS
- EXCEPT FOR HANDRAILS, OBJECTS WITH LEADING EDGES MORE THAN 27 INCHES AND LESS THAN 80 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL PROTRUDE NO MORE THAN 4 INCHES HORIZONTALLY INTO THE CIRCULATION PATH. HANDRAILS MAY PROTRUDE 4½ INCHES MAXIMUM. §11B-307.2, FIGURE 11B-307.2
 - FREE-STANDING OBJECTS MOUNTED ON POSTS OR PYLONS SHALL OVERHANG CIRCULATION PATHS NO MORE THAN 12 INCHES WHEN LOCATED FROM 27 TO 80 INCHES ABOVE THE FINISH FLOOR OR GROUND. §11B-307.3, FIGURE 11B-307.3(A)

- PROTRUDING OBJECTS SHALL NOT REDUCE THE CLEAR WIDTH REQUIRED FOR ACCESSIBLE ROUTES. §11B-307.5
- LOWEST EDGE OF A SIGN OR OTHER OBSTRUCTION, WHEN MOUNTED BETWEEN POSTS OR PYLONS SEPARATED WITH A CLEAR DISTANCE GREATER THAN 12 INCHES, SHALL BE LESS THAN 27 INCHES OR MORE THAN 80 INCHES ABOVE THE FINISH FLOOR OR GROUND. §11B-307.3, FIGURE 11B-307.3(B)

- VERTICAL CLEARANCE SHALL BE AT LEAST 80 INCHES HIGH ON CIRCULATION PATHS EXCEPT AT DOOR CLOSERS AND DOOR STOPS, WHICH MAY BE 78 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND. §11B-307.4

- GUARDRAILS OR OTHER BARRIERS WITH A LEADING EDGE LOCATED 27 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SHALL BE PROVIDED WHERE THE VERTICAL CLEARANCE ON CIRCULATION PATHS IS LESS THAN 80 INCHES HIGH. §11B-307.4, FIGURE 11B-307.4

- REACH RANGES
- ELECTRICAL CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF A ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES OR COOLING, HEATING AND VENTILATING EQUIPMENT SHALL BE LOCATED WITHIN ALLOWABLE REACH RANGES. LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX. §11B-308.1.1

- ELECTRICAL RECEPTACLE OUTLETS ON BRANCH CIRCUITS OF 30 AMPERES OR LESS AND COMMUNICATION SYSTEM RECEPTACLES SHALL BE LOCATED WITHIN ALLOWABLE REACH RANGES. LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX. §11B-308.1.2
- HIGH FORWARD REACH THAT IS UNOBSTRUCTED SHALL BE 48 INCHES MAXIMUM AND THE LOW FORWARD REACH SHALL BE 15 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND. §11B-308.2.1, FIGURE 11B-308.2.1

- HIGH FORWARD REACH SHALL BE 48 INCHES MAXIMUM WHERE THE REACH DEPTH IS 20 INCHES OR LESS AND 44 INCHES MAXIMUM WHERE THE REACH EXCEEDS 20 INCHES. HIGH FORWARD REACH SHALL NOT EXCEED 25 INCHES IN DEPTH. §11B-308.2.2, FIGURE 11B-308.2.2

- HIGH SIDE REACH SHALL BE 48 INCHES MAXIMUM AND THE LOW SIDE REACH SHALL BE 15 INCHES MINIMUM ABOVE THE FINISH FLOOR WHERE THE SIDE REACH IS UNOBSTRUCTED OR THE DEPTH OF ANY OBSTRUCTION DOES NOT EXCEED 10 INCHES. §11B-308.3.1, FIGURE 11B-308.3.1

- HIGH SIDE REACH SHALL BE 46 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND WHERE THE HIGH SIDE REACH IS OVER AN OBSTRUCTION MORE THAN 10 INCHES BUT NOT MORE THAN 24 INCHES IN DEPTH. §11B-308.3.2, FIGURE 11B-308.3.2

- OBSTRUCTIONS FOR HIGH SIDE REACH SHALL NOT EXCEED 34 INCHES IN HEIGHT AND 24 INCHES IN DEPTH. §11B-308.3.2, FIGURE 11B-308.3.2

- OBSTRUCTED HIGH SIDE REACH FOR THE TOP OF WASHING MACHINES AND CLOTHES DRYERS SHALL BE PERMITTED TO BE 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR. §11B-308.3.2

- OBSTRUCTED HIGH SIDE REACH FOR THE OPERABLE PARTS OF FUEL DISPENSERS AND DIRECTIONAL SURFACES SHALL BE A NOT-FOR-PROFIT PRODUCT SAFETY TESTING AND CERTIFICATION ORGANIZATION, DEDICATED TO TESTING FOR PUBLIC SAFETY THAT OPERATES FOR THE TESTING, CERTIFICATION AND QUALITY ASSESSMENT OF PRODUCTS, SYSTEMS AND SERVICES. §12-11B.205, §12-11B.211

- INDEPENDENT ENTITIES FOR TESTING OF DETECTABLE WARNING PRODUCTS AND DIRECTIONAL SURFACES SHALL BE RECOGNIZED AS HAVING APPROPRIATE EXPERTISE IN DETERMINING WHETHER PRODUCTS COMPLY WITH THE CALIFORNIA CODE OF REGULATIONS, TITLE 24. §12-11B.205, §12-11B.211

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C. ACCESSIBLE ROUTES
GENERAL

- AT LEAST ONE ACCESSIBLE ROUTE SHALL BE PROVIDED WITHIN THE SITE FROM ACCESSIBLE PARKING SPACES AND ACCESSIBLE PASSENGER LOADING ZONES; PUBLIC STREETS AND SIDEWALKS; AND PUBLIC TRANSPORTATION STOPS TO THE ACCESSIBLE BUILDING OR FACILITY ENTRANCE THEY SERVE. WHERE MORE THAN ONE ROUTE IS

PROVIDED, ALL ROUTES MUST BE ACCESSIBLE. §11B-206.2.1 (SEE EXCEPTIONS)

- AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDINGS, ACCESSIBLE FACILITIES, ACCESSIBLE ELEMENTS, AND ACCESSIBLE SPACES THAT ARE ON THE SAME SITE. §11B-206.2.2 (SEE EXCEPTION)

- AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT EACH STORY AND MEZZANINE IN MULTI-STORY BUILDINGS AND FACILITIES. §11B-206.2.3 (SEE EXCEPTIONS)

- IN NEW CONSTRUCTION OF BUILDINGS WHERE ELEVATORS ARE REQUIRED BY 11B-206.2.3 MULTI-STORY BUILDINGS AND FACILITIES, AND WHICH EXCEED 10,000 SQUARE FEET ON ANY FLOOR, AN ACCESSIBLE MEANS OF VERTICAL ACCESS VIA RAMP, ELEVATOR OR LIFT SHALL BE PROVIDED WITHIN 200 FEET OF TRAVEL OF EACH STAIR AND EACH ESCALATOR. §11B-206.2.3.2

- IN EXISTING BUILDINGS THAT EXCEED 10,000 SQUARE FEET ON ANY FLOOR AND IN WHICH ELEVATORS ARE REQUIRED BY 11B-206.2.3 MULTI-STORY BUILDINGS AND FACILITIES, WHENEVER A NEWLY CONSTRUCTED MEANS OF VERTICAL ACCESS IS PROVIDED VIA STAIRS OR AN ESCALATOR, AN ACCESSIBLE MEANS OF VERTICAL ACCESS VIA RAMP, ELEVATOR OR LIFT SHALL BE PROVIDED WITHIN 200 FEET OF TRAVEL OF EACH NEW STAIR OR ESCALATOR. §11B-206.2.3.2

- AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDING OR FACILITY ENTRANCES WITH ALL ACCESSIBLE SPACES AND ELEMENTS WITHIN THE BUILDING OR FACILITY, INCLUDING MEZZANINES, WHICH ARE OTHERWISE CONNECTED BY A CIRCULATION PATH. §11B-206.2.4 (SEE EXCEPTIONS 1 THROUGH 7)

- ACCESSIBLE ROUTES SHALL COINCIDE WITH OR BE LOCATED IN THE SAME AREA AS GENERAL CIRCULATION PATHS. WHERE CIRCULATION PATHS ARE INTERIOR, REQUIRED ACCESSIBLE ROUTES SHALL ALSO BE INTERIOR; AN ACCESSIBLE ROUTE SHALL NOT PASS THROUGH KITCHENS, STORAGE ROOMS, RESTROOMS, CLOSETS OR OTHER SPACES USED FOR SIMILAR PURPOSES, EXCEPT AS PERMITTED BY CHAPTER 10.

DETECTABLE WARNINGS AND DETECTABLE DIRECTIONAL TEXTURE

- CURB RAMPS SHALL HAVE DETECTABLE WARNINGS THAT EXTEND 36 INCHES IN THE DIRECTION OF TRAVEL FOR THE FULL WIDTH OF THE RAMP RUN EXCLUDING ANY FLARED SIDES. §11B-247.1.2.2, §11B-705.1.2.2

- ON PERPENDICULAR CURB RAMPS, DETECTABLE WARNINGS SHALL BE LOCATED SO THE EDGE NEAREST THE CURB IS 6 TO 8 INCHES FROM THE LINE AT THE FACE OF THE CURB MARKING THE TRANSITION BETWEEN THE CURB AND THE GUTTER, STREET OR HIGHWAY. §11B-247.1.2.2, §11B-705.1.2.2

- ON PARALLEL CURB RAMPS, DETECTABLE WARNINGS SHALL BE PLACED ON THE TURNING SPACE AT THE FLUSH TRANSITION BETWEEN THE STREET AND SIDEWALK. §11B-247.1.2.2, §11B-705.1.2.2, FIGURE 11B-406.3.2

- ISLANDS OR CUT-THROUGH MEDIANS 96 INCHES OR LONGER IN LENGTH IN THE DIRECTION OF PEDESTRIAN TRAVEL SHALL HAVE DETECTABLE WARNINGS THAT ARE 36 INCHES MINIMUM IN DEPTH EXTENDING THE FULL WIDTH OF THE PEDESTRIAN PATH OR CUT-THROUGH, PLACED AT THE EDGES OF THE PEDESTRIAN ISLAND OR CUT-THROUGH OR SIDEWALK, AND SEPARATED BY 24 INCHES MINIMUM OF WALKING SURFACE WITHOUT DETECTABLE WARNINGS. §11B-247.1.2.3, §11B-705.1.2.3

- WALKS THAT CROSS OR ADJOIN A ROUTE PROVIDED FOR VEHICULAR TRAFFIC, SUCH AS IN A STREET, DRIVEWAY, OR PARKING FACILITY, SHALL BE SEPARATED BY DETECTABLE WARNINGS, CURBS, RAILINGS OR OTHER ELEMENTS BETWEEN THE PEDESTRIAN AREAS AND VEHICULAR AREAS. §202, §11B-247.1.2.5, §11B-705.1.2.5

- DETECTABLE WARNINGS PROVIDED TO SEPARATE WALKS THAT CROSS OR ADJOIN A ROUTE PROVIDED FOR VEHICULAR TRAFFIC, SUCH AS IN A STREET, DRIVEWAY, OR PARKING FACILITY, SHALL BE 36 INCHES IN WIDTH AND CONTINUOUS AT THE BOUNDARY BETWEEN THE PEDESTRIAN AREAS AND VEHICULAR AREAS. §202, §11B-247.1.2.5, §11B-705.1.2.5

- PROVIDE DETECTABLE WARNING DETAILS SHOWING COMPLIANCE WITH THE FOLLOWING:

- DETECTABLE WARNING SURFACES SHALL VISUALLY CONTRAST LIGHT-ON-DARK OR DARK-ON-LIGHT WITH ADJACENT WALKING SURFACES OR BE SEPARATED FROM ADJACENT SURFACES BY A 1 INCH WIDE BLACK STRIP. MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE SURFACE. §11B-705.1.1.3

- DETECTABLE WARNING PRODUCTS AND DIRECTIONAL SURFACES MUST ENSURE CONSISTENCY AND UNIFORMITY FOR SHAPE, COLOR FASTNESS, CONFORMATION, SOUND-ON-CANE ACOUSTIC QUALITY, RESILIENCE, AND THAT ATTACHMENT WILL NOT DEGRADE SIGNIFICANTLY (<10%) FOR AT LEAST FIVE YEARS. §12-11B.209, §12-11B.210

- WALKS THAT CROSS OR ADJOIN A ROUTE PROVIDED FOR VEHICULAR TRAFFIC, SUCH AS IN A STREET, DRIVEWAY, OR PARKING FACILITY, SHALL BE SEPARATED BY DETECTABLE WARNINGS, CURBS, RAILINGS OR OTHER ELEMENTS BETWEEN THE PEDESTRIAN AREAS AND VEHICULAR AREAS. §202, §11B-247.1.2.5, §11B-705.1.2.5

- DETECTABLE WARNINGS PROVIDED TO SEPARATE WALKS THAT CROSS OR ADJOIN A ROUTE PROVIDED FOR VEHICULAR TRAFFIC, SUCH AS IN A STREET, DRIVEWAY, OR PARKING FACILITY, SHALL BE 36 INCHES IN WIDTH AND CONTINUOUS AT THE BOUNDARY BETWEEN THE PEDESTRIAN AREAS AND VEHICULAR AREAS. §202, §11B-247.1.2.5, §11B-705.1.2.5

- AT REFLECTING POOLS, DETAIL COMPLIANCE WITH THE FOLLOWING:

- EDGES OF REFLECTING POOLS SHALL BE PROTECTED BY RAILINGS, WALLS, WARNING CURBS OR DETECTABLE WARNINGS. §11B-247.1.2.6, §11B-705.1.2.6

- DETECTABLE EDGES PROVIDED TO PROTECT REFLECTING POOLS SHALL BE 24 TO 36 INCHES IN WIDTH. §11B-247.1.2.6, §11B-705.1.2.6

- PROVIDE DETECTABLE WARNING DETAILS SHOWING COMPLIANCE WITH THE FOLLOWING:

- TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A BASE DIAMETER OF 0.9 TO 0.92 INCHES, A TOP DIAMETER OF 0.45 TO 0.47 INCHES, AND A HEIGHT OF 0.18 TO 0.22 INCHES. §11B-705.1.1.1, FIGURE 11B-705.1

- TRUNCATED DOMES PLACED IN A GRID PATTERN IN A DETECTABLE WARNING SURFACE SHALL HAVE A CENTER-TO-CENTER SPACING OF 2.3 TO 2.4 INCHES, AND A MINIMUM BASE-TO-BASE SPACING OF 0.65 INCHES, MEASURED BETWEEN THE MOST ADJACENT DOMES ON A SQUARE GRID. §11B-705.1.1.2, FIGURE 11B-705.1

- DETECTABLE WARNING SURFACES SHALL VISUALLY CONTRAST LIGHT-ON-DARK OR DARK-ON-LIGHT WITH ADJACENT WALKING SURFACES OR BE SEPARATED FROM ADJACENT SURFACES BY A 1 INCH WIDE BLACK STRIP. MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE SURFACE. §11B-705.1.1.3

- DETECTABLE WARNING SURFACES SHALL DIFFER FROM ADJOINING SURFACES IN RESILIENCY OR SOUND-ON-CANE CONTACT EXCEPT AT CURB RAMPS, ISLANDS OR CUT-THROUGH MEDIANS. §11B-705.1.1.4

- DETECTABLE WARNING SURFACES SHALL BE YELLOW CONFORMING TO FS 33538 OF FEDERAL STANDARD 595C EXCEPT AT CURB RAMPS, ISLANDS OR CUT-THROUGH MEDIANS. §11B-705.1.1.5

- DETECTABLE WARNING PRODUCTS AND DIRECTIONAL SURFACES SHALL BE APPROVED BY THE DIVISION OF THE STATE ARCHITECT. §11B-705.3

- DETECTABLE WARNING PRODUCTS AND DIRECTIONAL SURFACES INSTALLED AFTER JANUARY 1, 2001, SHALL BE EVALUATED BY AN INDEPENDENT ENTITY, SELECTED BY THE DIVISION OF THE STATE ARCHITECT, TO CONFIRM COMPLIANCE WITH THE PRESCRIPTIVE AND PERFORMANCE STANDARDS OF TITLE 24. §12-CHAPTERS 12-A AND 12-11B

- INDEPENDENT ENTITIES FOR TESTING OF DETECTABLE WARNING PRODUCTS AND DIRECTIONAL SURFACES SHALL BE A NOT-FOR-PROFIT PRODUCT SAFETY TESTING AND CERTIFICATION ORGANIZATION, DEDICATED TO TESTING FOR PUBLIC SAFETY THAT OPERATES FOR THE TESTING, CERTIFICATION AND QUALITY ASSESSMENT OF PRODUCTS, SYSTEMS AND SERVICES. §12-11B.205, §12-11B.211

- INDEPENDENT ENTITIES FOR TESTING OF DETECTABLE WARNING PRODUCTS AND DIRECTIONAL SURFACES SHALL BE RECOGNIZED AS HAVING APPROPRIATE EXPERTISE IN DETERMINING WHETHER PRODUCTS COMPLY WITH THE CALIFORNIA CODE OF REGULATIONS, TITLE 24. §12-11B.205, §12-11B.211

- INDEPENDENT ENTITIES FOR TESTING OF DETECTABLE WARNING PRODUCTS AND DIRECTIONAL SURFACES SHALL BE RECOGNIZED AS HAVING APPROPRIATE EXPERTISE IN DETERMINING WHETHER PRODUCTS COMPLY WITH THE CALIFORNIA CODE OF REGULATIONS, TITLE 24. §12-11B.205, §12-11B.211

ENTRANCES

- ENTRANCES SHALL BE PROVIDED IN ACCORDANCE WITH 11B-206.4 ENTRANCES.

ENTRANCE DOORS, DOORWAYS, AND GATES SHALL COMPLY WITH 11B-404 DOORS, DOORWAYS, AND GATES AND SHALL BE ON AN ACCESSIBLE ROUTE COMPLYING WITH 11B-402 ACCESSIBLE ROUTES; (SEE EXCEPTIONS). §11B-206.4

- ALL ENTRANCES AND EXTERIOR GROUND-FLOOR EXITS TO BUILDINGS AND FACILITIES SHALL COMPLY WITH 11B-404 DOORS, DOORWAYS, AND GATES. §11B-206.4.1

- WHERE DIRECT ACCESS IS PROVIDED FOR PEDESTRIANS FROM A PARKING STRUCTURE TO A BUILDING OR FACILITY ENTRANCE, EACH DIRECT ACCESS TO THE BUILDING OR FACILITY ENTRANCE SHALL COMPLY WITH 11B-404 DOORS, DOORWAYS, AND GATES. §11B-206.4.2

- DIRECT CONNECTIONS TO OTHER FACILITIES SHALL PROVIDE AN ACCESSIBLE ROUTE COMPLYING WITH 11B-404 DOORS, DOORWAYS, AND GATES FROM THE POINT OF CONNECTION TO BOARDING PLATFORMS AND ALL TRANSPORTATION SYSTEM ELEMENTS REQUIRED TO BE ACCESSIBLE. ANY ELEMENTS PROVIDED TO FACILITATE FUTURE DIRECT CONNECTIONS SHALL BE ON AN ACCESSIBLE ROUTE CONNECTING BOARDING PLATFORMS AND ALL TRANSPORTATION SYSTEM ELEMENTS REQUIRED TO BE ACCESSIBLE. §11B-206.4.4.2 (SEE EXCEPTION)

TECHNICAL REQUIREMENTS FOR ACCESSIBLE ROUTES

- ACCESSIBLE ROUTES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING COMPONENTS: WALKING SURFACES WITH A RUNNING SLOPE NOT STEEPER THAN 1:20 (5%), DOORWAYS, RAMPS, CURB RAMPS EXCLUDING THE FLARED SIDES, ELEVATORS, AND PLATFORM LIFTS. §11B-402.2
- THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20 (5%). THE CROSS SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:48 (2.083%). §11B-403.3

- EXCEPT AT TURNS OR PASSING SPACES, THE CLEAR WIDTH OF WALKING SURFACES SHALL BE 36 INCHES MINIMUM. §11B-403.5.1

- THE CLEAR WIDTH FOR WALKING SURFACES IN CORRIDORS SERVING AN OCCUPANT LOAD OF 10 OR MORE SHALL BE 44 INCHES MINIMUM. §11B-403.5.1 EXCEPTION 2

- THE CLEAR WIDTH FOR SIDEWALKS AND WALKS SHALL BE 48 INCHES MINIMUM. §11B-403.5.1 EXCEPTION 3

- THE CLEAR WIDTH FOR AISLES SHALL BE 36 INCHES MINIMUM IF SERVING ELEMENTS ON ONLY ONE SIDE, AND 44 INCHES MINIMUM IF SERVING ELEMENTS ON BOTH SIDES. §11B-403.5.1 EXCEPTION 4

DOORS, DOORWAYS AND GATES

- DOORS, DOORWAYS, AND GATES PROVIDING USER PASSAGE SHALL BE PROVIDED IN ACCORDANCE WITH 11B-206.5 DOORS, DOORWAYS, AND GATES. §11B-206.5

- DOORS, DOORWAYS AND GATES THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH 11B-404 DOORS, DOORWAYS, AND GATES. §11B-404.1

- REVOLVING DOORS, REVOLVING GATES, AND TURNSTILES SHALL NOT BE PART OF AN ACCESSIBLE ROUTE. §11B-402.2.1

- AT LEAST ONE OF THE ACTIVE LEAVES OF DOORWAYS WITH TWO LEAVES SHALL COMPLY WITH 11B-404.2.3 CLEAR WIDTH AND 11B-404.2.4 MANEUVERING CLEARANCES. §11B-404.2.2

- DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32 INCHES MINIMUM. CLEAR OPENINGS OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED FROM THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. OPENINGS MORE THAN 24 INCHES DEEP SHALL PROVIDE A CLEAR OPENING OF 36 INCHES MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH LOWER THAN 34 INCHES ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34 INCHES AND 80 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL NOT EXCEED 4 INCHES. §11B-404.2.3

- MINIMUM MANEUVERING CLEARANCES AT DOORS AND GATES SHALL COMPLY WITH 11B-404.2.4 MANEUVERING CLEARANCES. MANEUVERING CLEARANCES SHALL EXTEND THE FULL WIDTH OF THE DOORWAY AND THE REQUIRED LATCH SIDE OR HINGE SIDE CLEARANCE. §11B-404.2.4

- SWINGING DOORS AND GATES SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 11B-404.2.4.1. §11B-404.2.4.1

- DOORWAYS LESS THAN 36 INCHES WIDE WITHOUT DOORS OR GATES, SLIDING DOORS, OR FOLDING DOORS SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 11B-404.2.4.2. §11B-404.2.4.2

- MANEUVERING CLEARANCES FOR FORWARD APPROACH SHALL BE PROVIDED WHEN ANY OBSTRUCTION WITHIN 18 INCHES OF THE LATCH SIDE AN INTERIOR DOORWAY, OR WITHIN 24 INCHES OF THE LATCH SIDE OF AN EXTERIOR DOORWAY, PROJECTS MORE THAN 8 INCHES BEYOND THE FACE OF THE DOOR, MEASURED PERPENDICULAR TO THE FACE OF THE DOOR OR GATE. §11B-404.2.4.3

- THRESHOLDS, IF PROVIDED AT DOORWAYS, SHALL BE ½ INCH HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS SHALL COMPLY WITH 11B-302 FLOOR OR GROUND SURFACES AND 11B-303 CHANGES IN LEVEL. §11B-404.2.5.

- HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL COMPLY WITH 11B-308.4 OPERATION. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34 INCHES MINIMUM AND 44 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES. §11B-404.2.7

- THE FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE OTHER THAN FIRE DOORS SHALL AS FOLLOWS: §11B-404.2.9

- INTERIOR HINGED DOORS AND GATES: 5 POUNDS MAXIMUM.

- SLIDING OR FOLDING DOORS: 5 POUNDS MAXIMUM.

- REQUIRED FIRE DOORS: THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 POUNDS.

- EXTERIOR HINGED DOORS: 5 POUNDS MAXIMUM.

- SWINGING DOOR AND GATE SURFACES WITHIN 10 INCHES OF THE FINISH FLOOR OR GROUND MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE AND A 1 INCH WIDE BLACK STRIP. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THESE SURFACES SHALL BE WITHIN 1/16 INCH OF THE SAME PLANE AS THE OTHER AND BE FREE OF SHARP OR ABRASIVE EDGES. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED. §11B-404.2.10

RAMPS

- PROVIDE RAMP DETAILS, INCLUDING SLOPE, LANDINGS, AND HANDRAILS.

- RAMP RUNS SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12 (8.33%). §11B-405.2

- CROSS SLOPE OF RAMP RUNS SHALL NOT BE STEEPER THAN 1:48 (2.083%). §11B-405.3

- FLOOR OR GROUND SURFACES OF RAMP RUNS SHALL COMPLY WITH 11B-302 FLOOR OR GROUND SURFACES. CHANGES IN LEVEL OTHER THAN THE RUNNING SLOPE AND GROSS SLOPE ARE NOT PERMITTED ON RAMP RUNS. §11B-405.4

- THE CLEAR WIDTH OF A RAMP RUN SHALL BE 48 INCHES MINIMUM. §11B-405.5

- THE RISE FOR ANY RAMP RUN SHALL BE 30 INCHES MAXIMUM. §11B-405.6

- RAMPS SHALL HAVE LANDINGS AT THE TOP AND THE BOTTOM OF EACH RAMP RUN. §11B-405.7

- LANDINGS SHALL COMPLY WITH 11B-302 FLOOR OR GROUND SURFACES. CHANGES IN LEVEL ARE NOT PERMITTED. §11B-405.7.1

- THE LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS

- THE WIDEST RAMP RUN LEADING TO THE LANDING. §11B-405.7.2

- TOP LANDINGS SHALL BE 60 INCHES WIDE MINIMUM. §11B-405.7.2.1

- THE LANDING CLEAR LENGTH SHALL BE 60 INCHES LONG MINIMUM. §11B-405.7.3

- BOTTOM LANDINGS SHALL EXTEND 72 INCHES MINIMUM IN THE DIRECTION OF RAMP RUN. §11B-405.7.3.1

- RAMPS THAT CHANGE DIRECTION BETWEEN RUNS AT LANDINGS SHALL HAVE A CLEAR LANDING 60 INCHES MINIMUM BY 72 INCHES MINIMUM IN THE DIRECTION OF DOWNWARD

TRAVEL FROM THE UPPER RAMP RUN. §11B-405.7.4

- WHERE DOORWAYS ARE LOCATED ADJACENT TO A RAMP LANDING, MANEUVERING CLEARANCES REQUIRED BY 11B-404.2.4 AND 11B-404.3.2 SHALL BE PERMITTED TO OVERLAP THE REQUIRED LANDING AREA. DOORS, WHEN FULLY OPEN, SHALL NOT REDUCE THE REQUIRED RAMP LANDING WIDTH BY MORE THAN 3 INCHES. DOORS, IN ANY POSITION, SHALL NOT REDUCE THE MINIMUM DIMENSION OF THE RAMP LANDING TO LESS THAN 42 INCHES. §11B-405.7.5

- RAMP RUNS SHALL HAVE COMPLIANT HANDRAILS PER 11B-505 HANDRAILS. §11B-405.8
- EDGE PROTECTION COMPLYING WITH 11B-405.9.2 CURB OR BARRIER SHALL BE PROVIDED ON EACH SIDE OF RAMP RUNS AND AT EACH SIDE OF RAMP LANDINGS. §11B-405.9 (SEE EXCEPTIONS)

- A CURB, 2 INCHES HIGH MINIMUM, OR BARRIER SHALL BE PROVIDED THAT PREVENTS THE PASSAGE OF A 4 INCH DIAMETER SPHERE, WHERE ANY PORTION OF THE SPHERE IS WITHIN 4 INCHES OF THE FINISH FLOOR OR GROUND SURFACE. TO PREVENT WHEEL ENTRAPMENT, THE CURB OR BARRIER SHALL PROVIDE A CONTINUOUS AND UNINTERRUPTED BARRIER ALONG THE LENGTH OF THE RAMP. §11B-405.9.2

- LANDINGS SUBJECT TO WET CONDITIONS SHALL BE DESIGNED TO PREVENT THE ACCUMULATION OF WATER. §11B-405.10
- HANDRAILS

- HANDRAILS SHALL BE PROVIDED ON BOTH SIDES OF STAIRS AND RAMPS. §11B-505.2

A. THE PARKING SPACE SHALL BE MARKED WITH AN INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH SECTION 11B-703.2.1 INTERNATIONAL SYMBOL OF ACCESSIBILITY IN WHITE ON A BLUE BACKGROUND A MINIMUM 36 INCHES WIDE BY 36 INCHES HIGH. THE CENTERLINE OF THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE A MAXIMUM OF 6 INCHES FROM THE CENTERLINE OF THE PARKING SPACE, ITS SIDES PARALLEL TO THE LENGTH OF THE PARKING SPACE AND ITS LOWER CORNER AT, OR LOWER SIDE ALIGNED WITH, THE END OF THE PARKING SPACE LENGTH. **§11B-502.6.4.1**

B. THE PARKING SPACE SHALL BE OUTLINED OR PAINTED BLUE AND SHALL BE MARKED WITH AN INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH SECTION 11B-703.2.1 INTERNATIONAL SYMBOL OF ACCESSIBILITY A MINIMUM 36 INCHES WIDE BY 36 INCHES HIGH WITH THE 12 INCH SQUARE COLOR. THE CENTERLINE OF THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE A MAXIMUM OF 6 INCHES FROM THE CENTERLINE OF THE PARKING SPACE, ITS SIDES PARALLEL TO THE LENGTH OF THE PARKING SPACE AND ITS LOWER CORNER AT, OR LOWER SIDE ALIGNED WITH, THE END OF THE PARKING SPACE. **§11B-502.6.4.2**

23. AN ADDITIONAL SIGN SHALL BE POSTED EITHER: 1) IN A CONSPICUOUS PLACE AT EACH ENTRANCE TO AN OFF-STREET PARKING FACILITY OR 2) IMMEDIATELY ADJACENT TO ON-SITE ACCESSIBLE PARKING AND VISIBLE FROM EACH PARKING SPACE. **§11B-502.8**

C. THE ADDITIONAL SIGN SHALL NOT BE LESS THAN 17 INCHES WIDE BY 22 INCHES HIGH. **§11B-502.8.1**

D. THE ADDITIONAL SIGN SHALL CLEARLY STATE IN LETTERS WITH A MINIMUM HEIGHT OF 1 INCH THE FOLLOWING: **§11B-502.8.2**

"UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR SPECIAL LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES WILL BE TOWED AWAY AT THE OWNER'S EXPENSE. TOWED VEHICLES MAY BE RECLAIMED AT: _____ OR BY TELEPHONING: _____"

BLANK SPACES SHALL BE FILLED IN WITH APPROPRIATE INFORMATION AS A PERMANENT PART OF THE SIGN.
(TOWING COMPANY'S NAME AND TELEPHONE NOS. * MUST BE PROVIDED ON SIGN)
RELATIONSHIP TO ACCESSIBLE ROUTES

24. PARKING SPACES AND ACCESS AISLES SHALL BE DESIGNED SO THAT PERSONS USING THEM ARE NOT REQUIRED TO TRAVEL BEHIND PARKING SPACES OTHER THAN TO PASS BEHIND THE PARKING SPACE IN WHICH THEY PARKED. **§11B-502.7.1**

25. A CURB OR WHEEL STOP SHALL BE PROVIDED IF REQUIRED TO PREVENT ENCRoACHMENT OF VEHICLES OVER THE REQUIRED CLEAR WIDTH OF ADJACENT ACCESSIBLE ROUTES. **§11B-502.7.2**

PASSENGER LOADING ZONES, DROP-OFF ZONES, AND BUS STOPS

26. PARKING FACILITIES THAT PROVIDE VALET PARKING SERVICES SHALL PROVIDE AT LEAST ONE PASSENGER LOADING ZONE COMPLYING WITH SECTION 11B-503 PASSENGER DROP-OFF AND LOADING ZONES. THE PARKING REQUIREMENTS OF SECTION 11B-208.1 PARKING SPACES GENERAL APPLY TO FACILITIES WITH VALET PARKING. **§11B-209.4**

27. MECHANICAL ACCESS PARKING GARAGES SHALL PROVIDE AT LEAST ONE PASSENGER LOADING ZONE COMPLYING WITH SECTION 11B-503 PASSENGER DROP-OFF AND LOADING ZONES AT VEHICLE DROP-OFF AND VEHICLE PICK-UP AREAS. **§11B-209.5**

28. PASSENGER DROP-OFF AND LOADING ZONES SHALL PROVIDE A VEHICULAR PULL-UP SPACE 96 INCHES WIDE MINIMUM AND 20 FEET LONG MINIMUM. **§11B-503.2**

29. PASSENGER DROP-OFF AND LOADING ZONES SHALL PROVIDE ACCESS AISLES COMPLYING WITH THE FOLLOWING ADJACENT AND PARALLEL TO THE VEHICLE PULL-UP SPACE. ACCESS AISLES SHALL ADJOIN AN ACCESSIBLE ROUTE AND SHALL NOT OVERLAP THE VEHICULAR WAY. **§11B-503.3**

A. ACCESS AISLES SERVING VEHICLE PULL-UP SPACES SHALL BE 60 INCHES WIDE MINIMUM. **§11B-503.3.1**

B. ACCESS AISLES SHALL EXTEND THE FULL LENGTH OF THE VEHICLE PULL-UP SPACES THEY SERVE. **§11B-503.3.2**

C. ACCESS AISLES SHALL BE MARKED WITH A PAINTED BORDERLINE AROUND THEIR PERIMETER. THE AREA WITHIN THE BORDERLINES SHALL BE MARKED WITH HATCHED LINES A MAXIMUM OF 36 INCHES ON CENTER IN A COLOR CONTRASTING WITH THAT OF THE AISLE SURFACE. **§11B-503.3.3**

30. VEHICLE PULL-UP SPACES AND ACCESS AISLES SERVING THEM SHALL COMPLY WITH SECTION 11B-302 FLOOR OR GROUND SURFACES. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE VEHICLE PULL-UP SPACE THEY SERVE. CHANGES IN LEVEL ARE NOT PERMITTED. **§11B-503.4**

31. VEHICLE PULL-UP SPACES, ACCESS AISLES SERVING THEM, AND A VEHICULAR ROUTE FROM AN ENTRANCE TO THE PASSENGER LOADING ZONE AND FROM THE PASSENGER LOADING ZONE TO A VEHICULAR EXIT SHALL PROVIDE A VERTICAL CLEARANCE OF 114 INCHES MINIMUM. **§11B-503.5**

32. EACH PASSENGER LOADING ZONE DESIGNATED FOR PERSONS WITH DISABILITIES SHALL BE IDENTIFIED WITH A REFLECTING SIGN COMPLYING WITH SECTION 11B-703.5 VISUAL CHARACTERS. IT SHALL BE PERMANENTLY POSTED IMMEDIATELY ADJACENT TO AND VISIBLE FROM THE PASSENGER LOADING ZONE STATING "PASSENGER LOADING ZONE ONLY" AND INCLUDING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) COMPLYING WITH SECTION 11B-703.2.1 ISA. **§11B-503.6**

E. DRINKING FIXTURES AND FACILITIES PLUMBLING FIXTURES

1. NO FEWER THAN TWO DRINKING FOUNTAINS SHALL BE PROVIDED. ONE DRINKING FOUNTAIN SHALL COMPLY WITH 11B-602.1 THROUGH 11B-602.6 AND ONE DRINKING FOUNTAIN SHALL COMPLY WITH 11B-602.7 DRINKING FOUNTAINS FOR STANDING PERSONS. **§11B-211.2 (SEE EXCEPTION)**

2. WHERE MORE THAN THE MINIMUM NUMBER OF DRINKING FOUNTAINS SPECIFIED IN 11B-211.2 ARE PROVIDED, 50 PERCENT OF THE TOTAL NUMBER OF DRINKING FOUNTAINS PROVIDED SHALL COMPLY WITH 11B-602.1 THROUGH 11B-602.6, AND 50 PERCENT OF THE TOTAL NUMBER OF DRINKING FOUNTAINS PROVIDED SHALL COMPLY WITH 11B-602.7 DRINKING FOUNTAINS FOR STANDING PERSONS. **§11B-211.3 SEE EXCEPTION**

3. DRINKING FOUNTAINS SHALL COMPLY WITH SECTIONS 11B-307 PROTRUDING OBJECTS AND 11B-602 GENERAL REQUIREMENTS. **§11B-602.1**

4. UNITS SHALL HAVE A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH SECTION 11B-305 CLEAR FLOOR OR GROUND SPACE POSITIONED FOR A FORWARD APPROACH AND CENTERED ON THE UNIT. KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 11B-306 KNEE AND TOE CLEARANCE SHALL BE PROVIDED. **§11B-602.2**

5. WHERE DRINKING FOUNTAINS ARE USED BY CHILDREN, A PARALLEL APPROACH COMPLYING WITH SECTION 11B-305 CLEAR FLOOR OR GROUND SURFACES SHALL BE PERMITTED AT UNITS WHERE THE SPOUT IS 30 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND AND IS 3/4" MAXIMUM FROM THE FRONT EDGE OF THE UNIT, INCLUDING BUMPERS. **§11B-602.2 EXCEPTION**

6. SPOUT OUTLETS SHALL BE 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. **§11B-602.4**

7. THE SPOUT SHALL BE LOCATED 15 INCHES MINIMUM FROM THE VERTICAL SUPPORT AND 5 INCHES MAXIMUM FROM THE FRONT EDGE OF THE UNIT, INCLUDING BUMPERS. **§11B-602.5**

8. THE SPOUT SHALL PROVIDE A FLOW OF WATER 4 INCHES HIGH MINIMUM AND SHALL BE LOCATED 5 INCHES MAXIMUM FROM THE FRONT OF THE UNIT. THE ANGLE OF THE WATER STREAM SHALL BE MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE UNIT. WHERE SPOUTS ARE LOCATED LESS THAN 3 INCHES FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 30 DEGREES MAXIMUM. WHERE SPOUTS ARE LOCATED BETWEEN 3 INCHES AND 5 INCHES MAXIMUM FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15 DEGREES MAXIMUM. **§11B-602.6**

9. SPOUT OUTLETS OF DRINKING FOUNTAINS FOR STANDING PERSONS SHALL BE 38 INCHES MINIMUM AND 43 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. **§11B-602.7**

10. WALL- AND POST-MOUNTED CANTILEVERED DRINKING FOUNTAINS SHALL BE 18 INCHES MINIMUM AND 19 INCHES MAXIMUM IN DEPTH. **§11B-602.8**

11. ALL DRINKING FOUNTAINS SHALL EITHER BE LOCATED COMPLETELY WITHIN ALCOVES, POSITIONED COMPLETELY BETWEEN WING WALLS, OR OTHERWISE POSITIONED SO AS NOT TO ENCRoACH INTO PEDESTRIAN WAYS. THE PROTECTED AREA WITHIN SUCH A DRINKING FOUNTAIN IS LOCATED SHALL BE 32 INCHES WIDE MINIMUM AND 18 INCHES DEEP MINIMUM, AND SHALL COMPLY WITH SECTION 11B-305.7 MANEUVERING CLEARANCE. WHEN USED, WING

WALLS OR BARRIERS SHALL PROTECT HORIZONTALLY AT LEAST AS FAR AS THE DRINKING FOUNTAIN AND TO WITHIN 6 INCHES VERTICALLY FROM THE FLOOR OR GROUND SURFACE. **§11B-602.9**

TOILET AND BATHING ROOM CLEARANCES

12. WHERE TOILET FACILITIES AND BATHING FACILITIES ARE PROVIDED, THEY SHALL COMPLY WITH 11B-213 TOILET FACILITIES AND BATHING FACILITIES. WHERE TOILET FACILITIES AND BATHING FACILITIES ARE PROVIDED IN FACILITIES PERMITTED BY 11B-206.2.3 MULTI-STORY BUILDINGS AND FACILITIES EXCEPTIONS 1 AND 2 NOT TO CONNECT STORIES BY AN ACCESSIBLE ROUTE, TOILET FACILITIES AND BATHING FACILITIES SHALL BE PROVIDED ON A STORY CONNECTED BY AN ACCESSIBLE ROUTE TO AN ACCESSIBLE ENTRANCE. **§11B-213.1**

13. WHERE SEPARATE TOILET FACILITIES ARE PROVIDED FOR THE EXCLUSIVE USE OF SEPARATE USER GROUPS, THE TOILET FACILITIES SERVING EACH USER GROUP SHALL COMPLY WITH 11B-213 TOILET FACILITIES AND BATHING FACILITIES. **§11B-213.1.1**

14. WHERE TOILET ROOMS ARE PROVIDED, EACH TOILET ROOM SHALL COMPLY WITH 11B-603 TOILET AND BATHING ROOMS. WHERE THE FINISH FLOOR IS RAISED ABOVE THE FINISHING ROOMS SHALL COMPLY WITH 11B-603 TOILET AND BATHING ROOMS. **§11B-213.2 SEE EXCEPTIONS**

15. UNISEX TOILET ROOMS SHALL CONTAIN NOT MORE THAN ONE LAVATORY, AND NOT MORE THAN TWO WATER CLOSETS WITHOUT URINALS OR ONE WATER CLOSET AND ONE URINAL. UNISEX BATHING ROOMS SHALL CONTAIN ONE SHOWER OR ONE SHOWER AND ONE BATHTUB, ONE LAVATORY, AND ONE WATER CLOSET. DOORS TO UNISEX TOILET ROOMS AND UNISEX BATHING ROOMS SHALL HAVE PRIVACY LATCHES. **§11B-213.2.1**

16. DOOR SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. OTHER THAN THE DOOR TO THE ACCESSIBLE WATER CLOSET COMPARTMENT, A DOOR IN ANY POSITION, MAY ENCRoACH INTO THE TURNING SPACE BY 12 INCHES MAXIMUM. **§11B-603.2.3**

17. AT SINGLE USER TOILET OR BATHING ROOMS, DOORS SHALL BE PERMITTED TO SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE ONLY IF A 30 INCH BY 48 INCH MINIMUM CLEAR FLOOR SPACE IS PROVIDED WITHIN THE ROOM BEYOND THE ARC OF THE DOOR SWING. **§11B-603.2.3 EXCEPTION**

18. MIRRORS LOCATED ABOVE THE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITHIN THE BOTTOM EDGE OF THE REFLECTING SURFACE 40 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. MIRRORS NOT LOCATED ABOVE THE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 35 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. **§11B-603.3**

19. COAT HOOKS SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN SECTION 11B-308. SHELVES SHALL BE LOCATED 40 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FINISH FLOOR. MEDICINE CABINETS SHALL BE LOCATED WITH A USABLE SHELF NO HIGHER THAN 44 INCHES MAXIMUM ABOVE THE FINISH FLOOR. **§11B-603.4**

20. WHERE TOWEL OR SANITARY NAPKIN DISPENSERS, WASTE RECEPTACLES, OR OTHER ACCESSORIES ARE PROVIDED IN TOILET FACILITIES, AT LEAST ONE OF EACH TYPE SHALL BE LOCATED ON AN ACCESSIBLE ROUTE. ALL OPERABLE PARTS, INCLUDING COIN SLOTS, SHALL BE 40 INCHES MAXIMUM ABOVE THE FINISH FLOOR. **§11B-603.5 WATER CLOSETS AND TOILET COMPARTMENTS**

21. THE WATER CLOSET SHALL BE POSITIONED WITH A WALL OR PARTITION TO THE REAR AND TO ONE SIDE. THE CENTERLINE OF THE WATER CLOSET SHALL BE 17 INCHES MINIMUM TO 18 INCHES MAXIMUM FROM THE SIDE WALL OR PARTITION, EXCEPT THAT THE WATER CLOSET SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM FROM THE SIDE WALL OR PARTITION IN THE AMBULATORY ACCESSIBLE TOILET COMPARTMENT SPECIFIED IN SECTION 11B-604.8.2 AMBULATORY ACCESSIBLE COMPARTMENTS. WATER CLOSETS SHALL BE ARRANGED FOR A LEFT-HAND OR RIGHT-HAND APPROACH. **§11B-604.2**

22. CLEARANCE AROUND A WATER CLOSET SHALL BE 60 INCHES MINIMUM MEASURED PERPENDICULAR FROM THE SIDE WALL AND 56 INCHES MINIMUM MEASURED PERPENDICULAR FROM THE REAR WALL. A MINIMUM 60 INCHES WIDE AND 48 INCHES DEEP MANEUVERING SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET. **§11B-604.3.1**

23. THE SEAT HEIGHT OF A WATER CLOSET ABOVE THE FINISH FLOOR SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM MEASURED TO THE TOP OF THE SEAT. SEATS SHALL NOT BE SPRUNG THE RETURN TO A LIFTED POSITION. SEATS SHALL BE 2 INCHES HIGH MAXIMUM AND A 3 INCH HIGH SEAT SHALL BE PERMITTED ONLY IN ALTERATIONS WHERE THE EXISTING FIXTURE IS LESS THAN 15 INCHES HIGH. **§11B-604.4 (SEE EXCEPTION FOR RESIDENTIAL UNITS)**

24. THE SIDE WALL GRAB BARS SHALL BE 42 INCHES LONG MINIMUM, LOCATED 12 INCHES MAXIMUM FROM THE REAR WALL AND EXTENDING 54 INCHES MINIMUM FROM THE REAR WALL WITH THE FRONT END POSITIONED 24 INCHES MINIMUM IN FRONT OF THE WATER CLOSET. **§11B-604.5.1**

25. THE REAR GRAB BAR SHALL BE 36 INCHES LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 INCHES MINIMUM ON ONE SIDE AND 24 INCHES MINIMUM ON THE OTHER SIDE. **§11B-604.5.2 (SEE EXCEPTIONS)**

26. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC, HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH SECTION 11B-309.4 OPERATION EXCEPT THEY SHALL BE LOCATED 44 INCHES MAXIMUM ABOVE THE FLOOR. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET EXCEPT IN AMBULATORY ACCESSIBLE COMPARTMENTS COMPLYING WITH SECTION 11B-604.8.2 AMBULATORY ACCESSIBLE COMPARTMENTS. **§11B-604.6**

27. TOILET PAPER DISPENSERS SHALL COMPLY WITH SECTION 11B-309.4 OPERATION AND SHALL BE 7 INCHES MINIMUM AND 9 INCHES MAXIMUM IN FRONT OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER. THE OUTLET OF THE DISPENSER SHALL BE BELOW THE GRAB BAR, 19 INCHES MINIMUM ABOVE THE FINISH FLOOR AND SHALL NOT BE LOCATED BEHIND THE GRAB BARS. DISPENSERS SHALL NOT BE OF A TYPE THAT CONTROL DELIVERY OR THAT DOES NOT ALLOW CONTINUOUS PAPER FLOW. **§11B-604.7**

28. WHEELCHAIR ACCESSIBLE COMPARTMENTS SHALL BE 60 INCHES WIDE MINIMUM MEASURED PERPENDICULAR TO THE SIDE WALL, AND 56 INCHES DEEP MINIMUM FOR WALL HUNG TOILETS. THE CLEARANCE BETWEEN THE SIDE WALL AND PARTITION OR WATER CLOSETS MEASURED PERPENDICULAR TO THE REAR WALL, WHEELCHAIR ACCESSIBLE COMPARTMENTS FOR CHILDREN'S USE SHALL BE 60 INCHES WIDE MINIMUM MEASURED PERPENDICULAR TO THE SIDE WALL, AND 59 INCHES DEEP MINIMUM FOR WALL HUNG AND FLOOR MOUNTED WATER CLOSETS MEASURED PERPENDICULAR TO THE REAR WALL. **§11B-604.8.1.1**

29. IN A WHEELCHAIR ACCESSIBLE COMPARTMENT WITH AN IN-SWING DOOR, A MINIMUM 60 INCHES WIDE BY 36 INCHES DEEP MANEUVERING SPACE SHALL BE PROVIDED IN FRONT OF THE CLEARANCE REQUIRED IN SECTION 11B-604.8.1.1 WHEELCHAIR ACCESSIBLE COMPARTMENT SIZE. **§11B-604.8.1.1.1, FIGURES 11B-604.8.1.1.2(B) AND 11B-604.8.1.1.3(B)**

30. IN A WHEELCHAIR ACCESSIBLE COMPARTMENT WITH A SIDE-OPENING DOOR, EITHER IN-SWINGING OR OUT-SWINGING, A MINIMUM 60 INCHES WIDE AND 60 INCHES DEEP MANEUVERING SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET. **§11B-604.8.1.1.2, FIGURE 11B-604.8.1.1.2**

31. IN A WHEEL CHAIR ACCESSIBLE COMPARTMENT WITH END-OPENING DOOR (FACING WATER CLOSET), EITHER IN-SWINGING OR OUT-SWINGING, A MINIMUM 60 INCHES WIDE AND 48 INCHES DEEP MANEUVERING SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET. **§11B-604.8.1.1.3, FIGURE 11B-604.8.1.1.3**

32. TOILET COMPARTMENT DOORS, INCLUDING DOOR HARDWARE, SHALL COMPLY WITH SECTION 11B-404 DOORS, DOORWAYS, AND GATES EXCEPT THAT IF THE APPROACH IS FROM THE PUSH SIDE OF THE COMPARTMENT DOOR, CLEARANCE BETWEEN THE DOOR SIDE OF THE COMPARTMENT AND ANY OBSTRUCTION SHALL BE 48 INCHES MINIMUM MEASURED PERPENDICULAR TO THE COMPARTMENT DOOR IN ITS CLOSED POSITION. DOOR SHALL BE LOCATED IN FRONT PARTITION OR IN THE SIDE WALL OR PARTITION FARTHEST FROM THE WATER CLOSET. **§11B-604.8.1.2**

33. WHERE TOILET COMPARTMENT DOORS ARE LOCATED IN THE FRONT PARTITION, THE CLEARANCE BETWEEN THE DOOR AND THE PARTITION SHALL BE 48 INCHES MINIMUM MEASURED FARTHEST FROM THE WATER CLOSET. WHERE LOCATED IN THE SIDE WALL OR PARTITION, THE DOOR OPENING SHALL BE 4 INCHES MAXIMUM FROM THE FRONT PARTITION AND THE DOOR SHALL BE SELF-CLOSING. **§11B-604.8.1.2**

34. A DOOR PULL COMPLYING WITH SECTION 11B-404.2.7 DOOR AND GATE HARDWARE SHALL BE PLACED ON BOTH SIDES OF THE DOOR NEAR THE LATCH. DOOR SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. DOORS MAY SWING INTO THAT PORTION OF THE MANEUVERING SPACE WHICH DOES NOT OVERLAP THE CLEARANCE REQUIRED AT A WATER CLOSET. **§11B-604.8.1.2 (SEE EXCEPTION)**

35. AT LEAST ONE SIDE PARTITION SHALL PROVIDE A TOE CLEARANCE OF 9 INCHES MINIMUM ABOVE THE FINISH FLOOR AND 6 INCHES DEEP MINIMUM BEYOND THE COMPARTMENT-SIDE FACE OF THE PARTITION. EXCLUSIVE OF PARTITION SUPPORT MEMBERS, PARTITION COMPONENTS AT TOE CLEARANCES SHALL BE SMOOTH WITHOUT SHARP EDGES OR

ABRASIVE SURFACES. COMPARTMENTS FOR CHILDREN'S USE SHALL PROVIDE A TOE CLEARANCE OF 12 INCHES MINIMUM ABOVE THE FINISH FLOOR. **§11B-604.8.1.4**

36. AMBULATORY ACCESSIBLE COMPARTMENTS SHALL HAVE A DEPTH OF 35 INCHES MINIMUM AND 37 INCHES MAXIMUM. **§11B-604.8.2.1**

7. WATER CLOSETS AND TOILET COMPARTMENTS FOR CHILDREN'S USE SHALL COMPLY WITH SECTION 11B-604.9 WATER CLOSETS AND TOILET COMPARTMENTS FOR CHILDREN'S USE AND FOLLOW SUGGESTED DIMENSIONS ON TABLE 11B-604.9. **§11B-604.9**

38. URINALS SHALL BE THE STALL-TYPE OR THE WALL-HUNG TYPE WITH THE RIM 17 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. URINALS SHALL BE 13 1/2 INCHES DEEP MINIMUM MEASURED FROM THE OUTER FACE OF THE URINAL RIM TO THE BACK OF THE FIXTURE. **§11B-605.2**

39. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC, HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH SECTION 11B-309 OPERABLE PARTS EXCEPT THAT THE FLUSH CONTROL SHALL BE MOUNTED AT A MAXIMUM HEIGHT OF 44 INCHES ABOVE THE FINISH FLOOR. **§11B-605.4**

40. LAVATORIES AND SINKS SHALL COMPLY WITH SECTION 11B-606 LAVATORIES AND SINKS. **§11B-606.1**

41. FOR LAVATORIES AND SINKS, A CLEAR FLOOR SPACE COMPLYING WITH SECTION 11B-305 CLEAR FLOOR OR GROUND SURFACES, POSITIONED FOR A FORWARD APPROACH, AND KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 11B-306 KNEE AND TOE CLEARANCE SHALL BE PROVIDED. **§11B-606.2**

42. LAVATORIES AND SINKS SHALL BE INSTALLED WITH THE FRONT OF THE HIGHER OF THE RIM OR COUNTER SURFACE 34 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. **§11B-606.3 WASHING MACHINE AND CLOTHES DRYERS**

43. WASHING MACHINES AND CLOTHES DRYER'S OPERABLE PARTS MUST COMPLY WITH SECTION 11B-309 OPERABLE PARTS. **§11B-611.3**

44. TOP LOADING MACHINES SHALL HAVE THE DOOR TO THE LAUNDRY COMPARTMENT LOCATED 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR. FRONT LOADING MACHINES SHALL HAVE THE BOTTOM OF THE OPENING TO THE LAUNDRY COMPARTMENT LOCATED 15 INCHES MINIM AND 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR. **§11B-611.4**

F. COMMUNICATION ELEMENTS AND FEATURES

FIRE ALARM SYSTEMS

1. WHERE FIRE ALARM SYSTEMS PROVIDE AUDIBLE ALARM COVERAGE, ALARMS SHALL COMPLY WITH 11B-215 FIRE ALARM SYSTEMS. **§11B-215.1 (SEE EXCEPTION)**

2. ALARMS IN PUBLIC USE AREAS AND COMMON USE AREAS SHALL COMPLY WITH 702 CHAPTER 9, SECTION 907.5.2.3.1. **§11B-215.2**

3. WHERE EMPLOYEE WORK AREAS HAVE AUDIBLE ALARM COVERAGE, THE WIRING SYSTEM SHALL BE DESIGNED SO THAT VISIBLE ALARMS COMPLYING WITH 702 CHAPTER 9, SECTION 907.5.2.3.2 CAN BE INTEGRATED INTO THE ALARM SYSTEM. **§11B-215.3**

4. FIRE ALARM SYSTEMS SHALL HAVE PERMANENTLY INSTALLED AUDIBLE AND VISIBLE ALARMS COMPLYING WITH NFPA 72 (1999 OR 2002 EDITION) (INCORPORATED BY REFERENCE, SEE "REFERENCE STANDARDS" IN CHAPTER 1), EXCEPT THAT THE MAXIMUM ALLOWABLE SOUND LEVEL OF AUDIBLE NOTIFICATION APPLIANCES COMPLYING WITH SECTION 4-3.2.1 OF NFPA 72 (1999 EDITION) SHALL HAVE A SOUND LEVEL NO MORE THAN 110 DB AT THE MINIMUM HEARING DISTANCE FROM THE AUDIBLE APPLIANCE. IN ADDITION, ALARMS IN GUEST ROOMS REQUIRED TO PROVIDE COMMUNICATION FEATURES SHALL COMPLY WITH SECTIONS 4-3 AND 4-4 OF NFPA 72 (1999 EDITION) OR SECTIONS 7.4 AND 7.5 OF NFPA 72 (2002 EDITION), AND CHAPTER 9, SECTIONS 907.5.2.1 AND 907.5.2.3. **§11B-702.1 ASSISTIVE LISTENING SYSTEMS**

5. ASSISTIVE LISTENING SYSTEMS SHALL BE PROVIDED IN ASSEMBLY AREAS, INCLUDING CONFERENCE AND MEETING ROOMS, USED FOR THE PURPOSE OF ENTERTAINMENT, EDUCATIONAL OR CIVIC GATHERINGS, OR SIMILAR PURPOSES. **§202, §11B-219.2**

NOTE: ASSEMBLY AREAS INCLUDE, BUT ARE NOT LIMITED TO, CLASSROOMS, LECTURE HALLS, COURTROOMS, PUBLIC MEETING ROOMS, PUBLIC HEARING ROOMS, LEGISLATIVE CHAMBERS, MOTION PICTURE HOUSES, AUDITORIUMS, THEATERS, PLAYHOUSES, DINNER THEATERS, CONCERT HALLS, CENTERS FOR THE PERFORMING ARTS, AMPHITHEATERS, ARENAS, STADIUMS, GRANDSTANDS, OR CONVENTION CENTERS. **§202, §11B-219.2**

6. ASSISTIVE LISTENING SYSTEM SHALL PROVIDE AN AMPLIFICATION SYSTEM UTILIZING TRANSMITTERS, RECEIVERS, AND COUPLING DEVICES TO BYPASS THE ACOUSTICAL SPACE BETWEEN A SOUND SOURCE AND A LISTENER BY MEANS OF INDUCTION LOOP, RADIO FREQUENCY, INFRARED, OR DIRECT-WIRED EQUIPMENT. **§202**

7. PROVIDE (_____) ASSISTIVE LISTENING SYSTEMS, A MINIMUM NUMBER OF RECEIVERS EQUAL TO 4 PERCENT OF THE TOTAL NUMBER OF SEATS, BUT IN NO CASE LESS THAN TWO. **§11B-219.3**

8. WHERE A BUILDING CONTAINS MORE THAN ONE ASSEMBLY AREA UNDER ONE MANAGEMENT, THE TOTAL NUMBER OF REQUIRED RECEIVERS MAY BE CALCULATED USING THE TOTAL NUMBER OF SEATS IN THE ASSEMBLY AREAS PROVIDED THAT ALL RECEIVERS ARE USABLE WITH ALL SYSTEMS. **§11B-219.3 (SEE EXCEPTIONS)**

9. TWENTY-FIVE PERCENT MINIMUM OF RECEIVERS PROVIDED FOR ASSISTIVE LISTENING SYSTEMS, BUT NO FEWER THAN TWO, SHALL BE HEARING-AID COMPATIBLE WITH EXCEPT WHEN ALL SEATS IN AN ASSEMBLY AREA ARE SERVED BY MEANS OF AN INDUCTION LOOP. **§11B-219.3**

10. WHEN ASSISTIVE-LISTENING SYSTEMS ARE LIMITED TO SPECIFIC AREAS OR SEATS, SUCH AREAS OR SEATS SHALL BE WITHIN A 50-FOOT VIEWING DISTANCE OF THE STAGE OR PLAYING AREA AND SHALL HAVE A COMPLETE VIEW OF THE STAGE OR PLAYING AREA. **§11B-219.4**

11. PERMANENTLY INSTALLED ASSISTIVE-LISTENING SYSTEMS ARE REQUIRED IN AREAS IF (1) THEY HAVE FIXED SEATING AND (2A) THEY ACCOMMODATE AT LEAST 50 PERSONS OR (2B) THEY HAVE AUDIO-AMPLIFICATION SYSTEMS, EXCEPT THOSE USED EXCLUSIVELY FOR PAGING AND/OR BACKGROUND MUSIC. **§11B-219.2, §11B-219.5**

12. PORTABLE ASSISTIVE-LISTENING SYSTEMS MAY SERVE MORE THAN ONE CONFERENCE OR MEETING ROOMS IF AN ADEQUATE NUMBER OF ELECTRICAL OUTLETS OR OTHER SUPPLEMENTARY WIRING IS PROVIDED AND PERMANENTLY INSTALLED SYSTEMS ARE NOT REQUIRED. **§11B-219.5**

13. RECEIVERS REQUIRED FOR USE WITH AN ASSISTIVE LISTENING SYSTEM SHALL INCLUDE A 1/8 INCH STANDARD MONO JACK. **§11B-706.2**

14. RECEIVERS IN HEARING AIDS THROUGH THE PROVISION OF NECKLOOPS. **§11B-706.3**

15. ASSISTIVE LISTENING SYSTEMS SHALL BE CAPABLE OF PROVIDING A SOUND PRESSURE LEVEL FROM 110 - 118 DB WITH A DYNAMIC RANGE ON THE VOLUME CONTROL OF 50 DB. **§11B-706.4**

16. SIGNAL-TO-NOISE RATIO FOR INTERNALLY GENERATED NOISE IN ASSISTIVE LISTENING SYSTEMS SHALL BE 18 DB MINIMUM. **§11B-706.5**

17. PEAK CLIPPING SHALL NOT EXCEED 18 DB OF CLIPPING RELATIVE TO THE PEAKS OF SPEECH. **§11B-706.6**

TWO-WAY COMMUNICATION SYSTEMS

18. TWO-WAY COMMUNICATION SYSTEMS THAT ARE PROVIDED TO GAIN ADMITTANCE TO A BUILDING OR FACILITY OR TO RESTRICTED AREAS WITHIN A BUILDING OR FACILITY SHALL PROVIDE BOTH AUDIBLE AND VISUAL SIGNALS. HANDSET CORDS, IF PROVIDED, SHALL BE 29 INCHES LONG MINIMUM. **§11B-230.1, §11B-708**

19. COMMON USE OR PUBLIC USE SYSTEM INTERFACE OF COMMUNICATIONS SYSTEMS BETWEEN A RESIDENTIAL DWELLING UNIT AND A SITE, BUILDING, OR FLOOR ENTRANCE SHALL INCLUDE THE CAPABILITY OF SUPPORTING VOICE AND TTY COMMUNICATION WITH THE RESIDENTIAL DWELLING UNIT INTERFACE. **§11B-708.4.1**

20. RESIDENTIAL DWELLING UNIT SYSTEM INTERFACE OF COMMUNICATIONS SYSTEMS BETWEEN A RESIDENTIAL DWELLING UNIT AND A SITE, BUILDING, OR FLOOR ENTRANCE SHALL INCLUDE A TELEPHONE JACK CAPABLE OF SUPPORTING VOICE AND TTY COMMUNICATION WITH THE COMMON USE OR PUBLIC USE SYSTEM INTERFACE. **§11B-708.4.2**

TELEPHONES

21. WHERE COIN-OPERATED PUBLIC PAY TELEPHONES, COINLESS PUBLIC PAY TELEPHONES, PUBLIC CLOSED-CIRCUIT TELEPHONES, PUBLIC COURTESY PHONES, OR OTHER TYPES OF PUBLIC TELEPHONES ARE PROVIDED, PUBLIC TELEPHONES SHALL BE PROVIDED IN

ACCORDANCE WITH 11B-217 TELEPHONES FOR EACH TYPE OF PUBLIC TELEPHONE PROVIDED. FOR PURPOSES OF THIS SECTION, A BANK OF TELEPHONES SHALL BE CONSIDERED TO BE TWO OR MORE ADJACENT TELEPHONES. **§11B-217.1**

22. EXCEPT DRIVE-UP ONLY PUBLIC TELEPHONES, WHERE PUBLIC TELEPHONES ARE PROVIDED, WHEELCHAIR ACCESSIBLE TELEPHONES COMPLYING WITH 11B-704.2 SHALL BE PROVIDED IN ACCORDANCE WITH TABLE 11B-217.2. **§11B-217.2**

23. PROVIDE (_____) WHEELCHAIR ACCESSIBLE TELEPHONES IN ACCORDANCE WITH TABLE 11B-217.2.

24. ALL PUBLIC TELEPHONES SHALL HAVE VOLUME CONTROLS COMPLYING WITH 11B-704.3. **§11B-217.3**

25. TTY'S COMPLYING WITH 11B-704.4 SHALL BE PROVIDED IN ACCORDANCE WITH 11B-217.4.

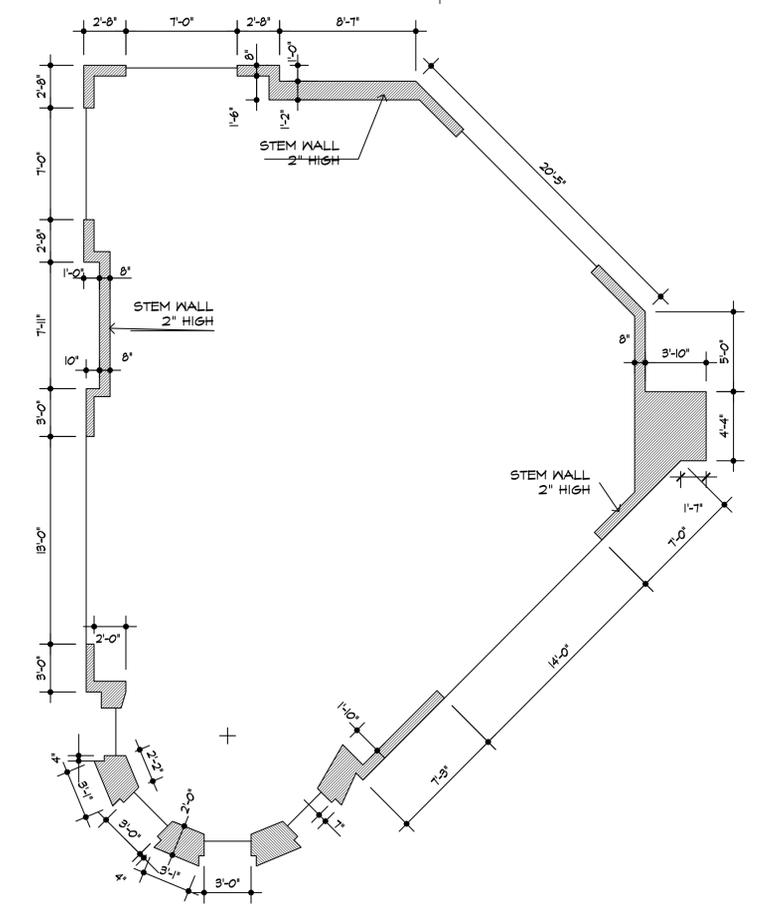
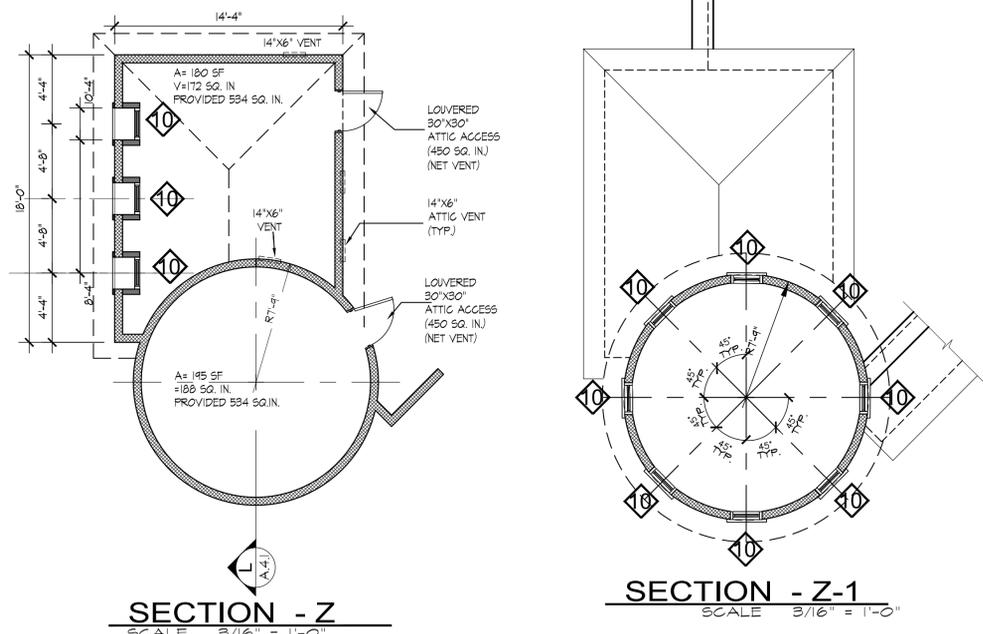
26. WHERE A BANK OF TELEPHONES IN THE INTERIOR OF A BUILDING CONSISTS OF THREE OR MORE PUBLIC PAY TELEPHONES, AT LEAST ONE PUBLIC PAY TELEPHONE AT THE BANK SHALL BE PROVIDED WITH A SHELF AND AN ELECTRICAL OUTLET IN ACCORDANCE WITH 11B-704.5. **§11B-217.5 (SEE EXCEPTIONS) SIGNS**

27. INTERIOR AND EXTERIOR SIGNS IDENTIFYING PERMANENT ROOMS AND SPACES SHALL COMPLY WITH 11B-703.1 GENERAL, 11B-703.2 RAISED CHARACTERS, 11B-703.3 BRAILLE AND 11B-703.5 VISUAL CHARACTERS. WHERE PICTOGRAMS ARE PROVIDED AS DESIGNATIONS OF PERMANENT INTERIOR ROOMS AND SPACES, THE PICTOGRAMS SHALL COMPLY WITH 11B-703.6 PICTOGRAMS AND SHALL HAVE TEXT DESCRIPTORS COMPLYING WITH 11B-703.2 AND 11B-703.5. **§11B-216.2 (SEE EXCEPTION)**

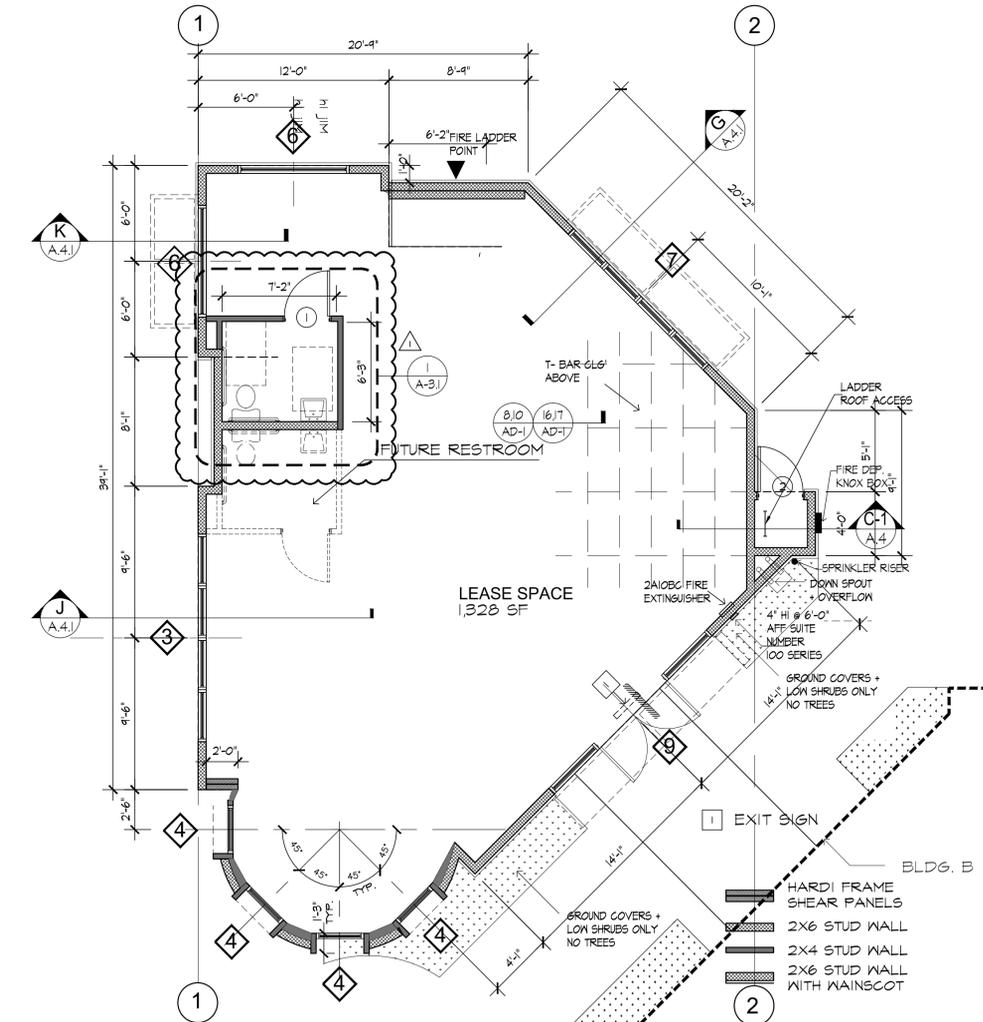
28. SIGNS THAT PROVIDE DIRECTION TO OR INFORMATION ABOUT INTERIOR AND EXTERIOR SPACES AND FACILITIES OF THE SITE SHALL COMPLY WITH 11B-703.5 VISUAL CHARACTERS. **§11B-216.3**

29. IN EXISTING BUILDINGS AND FACILITIES WHERE NOT ALL ENTRANCES COMPLY WITH 11B-404 DOORS, DOORWAYS, AND GATES, COMPLIANT ENTRANCES SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH 11B-703.7.2.1 ISA. ADDITIONAL SIGNS COMPLYING WITH 11B-703.5 VISUAL CHARACTERS THAT INDICATE THE LOCATION OF THE NEAREST ENTRANCE COMPLYING WITH 11B-404 SHALL BE PROVIDED AT ENTRANCES THAT DO NOT COMPLY WITH 11B-404 DOORS, DOORWAYS, AND GATES. ADDITIONAL SIGNS COMPLYING WITH 11B-703.5 VISUAL CHARACTERS, INCLUDING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH 11B-703.7.2.1 ISA, INDICATING THE ACCESSIBLE ROUTE TO THE NEAREST ACCESSIBLE ENTRANCE SHALL BE PROVIDED AT JUNCTIONS WHERE THE ACCESSIBLE ROUTE DIVERGES FROM THE REGULAR CIRCULATION PATH. **§11B-216.6 (SEE EXCEPTIONS)**

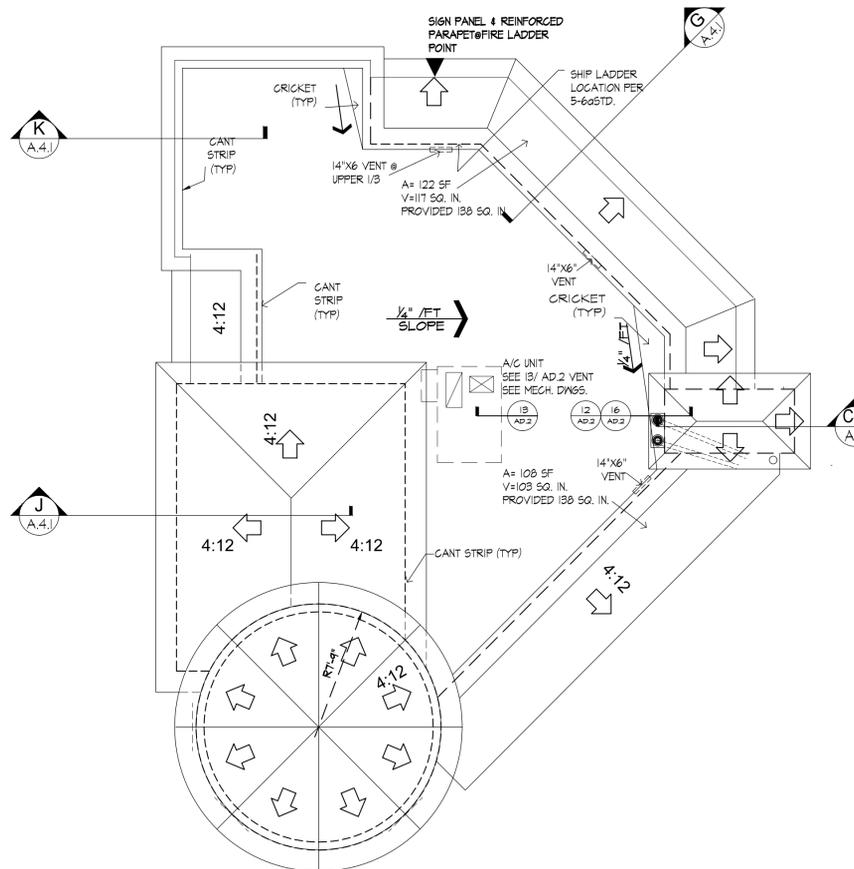
30. DOORWAYS LEADING TO TOILET ROOMS AND BATHING ROOMS COMPLYING WITH 11B-603 TOILET AND BATHING ROOMS SHALL BE IDENTIFIED BY A GEOMETRIC SYMBOL COMPLYING WITH 11B-703.7.2.6 TOILET AND BATHING ROOM GEOMETRIC SYMBOLS. WHERE EXISTING TOILET ROOMS OR BATHING ROOMS DO NOT COMPLY WITH 11B-603 TOILET AND BATHING ROOMS, DIRECTIONAL SIGNS INDICATING THE LOCATION OF THE NEAREST COMPLIANT TOILET ROOM OR BATHING ROOM WITHIN THE FACILITY SHALL BE PROVIDED. SIGNS SHALL COMPLY WITH 11B-703.5 VISUAL CHARACTERS AND SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH 11B-703.7.2.1 ISA. WHERE EX



BUILDING - A STEM WALL LAYOUT
SCALE 3/16" = 1'-0"



BUILDING - A FLOOR PLAN
9606 FOOTHILL BLVD. SCALE 3/16" = 1'-0"



BUILDING - A ROOF PLAN
SCALE 3/16" = 1'-0"

- NOTES APPLY TO ALL BUILDINGS AND SITE PLAN PLANS.
- SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE, WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.
 - ALL PROPERTY LINES, EASEMENTS AND BUILDINGS, BOTH EXISTING AND PROPOSED, ARE SHOWN ON THIS SITE PLAN.
 - INTERIOR WALL AND CEILING FINISHES:
6- WALL AND CEILING MATERIALS SHALL NOT EXCEED THE FLAME SPREAD CLASSIFICATION IN IBC TABLE 803.1.
 - MISCELLANEOUS LIFE / SAFETY NOTES:
4- SUSPENDED CEILING IN SEISMIC DESIGN CATEGORIES D, E AND F COMPLY WITH ASCE 7-05 SECTION 13.5.6.2.1 AS FOLLOWS:
A- ALL CEILING SHALL USE A HEAVY DUTY T-BAR GRID SYSTEM.
B- THE WIDTH OF THE PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE NOT LESS THAN 2 INCHES.
C- IN EACH ORTHOGONAL HORIZONTAL DIRECTION, ONE END OF THE CEILING GRID SHALL BE ATTACHED TO THE CLOSURE ANGLE.
D- THE OTHER END IN EACH HORIZONTAL DIRECTION SHALL HAVE A 3/4" CLEARANCE FROM THE WALL AND SHALL REST UPON AND BE FREE TO SLIDE ON A CLOSURE ANGLE OR A LISTED ASSEMBLY.
E- CEILING AREAS OVER 1000 FT² MUST HAVE HORIZONTAL RESTRAINT WIRES (TYPICALLY RESTRAINT WOULD CONSIST OF FOUR 12 GAUGE WIRES SPAYED 90% TO EACH OTHER AND SLOPED 45% TO HORIZONTAL, SPACED 12" O.C.)
F- CEILING AREAS OVER 2500 FT² MUST HAVE 2" OVERSIZE TRIM RINGS FOR SPRINKLERS AND OTHER CEILING PENETRATIONS.
G- CEILING WITHOUT RIGID BRACING MUST HAVE 2" OVERSIZE TRIM RINGS FOR SPRINKLERS AND OTHER CEILING PENETRATIONS.
H- SPECIAL INSPECTION WILL BE PROVIDED FOR THE SUSPENDED CEILING INSTALLATION.
 - ADDITIONAL:
14- SURFACE WATER WILL DRAIN AWAY FROM BUILDING AND SHOW DRAINAGE PATTERN. THE GRADE SHALL FALL A MINIMUM OF 5% WITHIN THE FIRST 10 FEET (2% FOR IMPREVIOUS SURFACE) . SECTION 1803.3
 - ACCESSIBLE PARKING:
7- THE MAXIMUM SLOPE OF THE PARKING SURFACE AT THE ACCESSIBLE SPACE AND ADJACENT ACCESS AISLE, IN ANY DIRECTION IS 1:50 (2%), PER SECTION 1124B.3.4.
 - GREEN BUILDING STANDARDS NOTES:
1- FOR PROJECT OF ONE ACRE OR LESS THE SITE SHALL BE PLANNED AND DEVELOPED TO KEEP SURFACE WATER AWAY FROM BUILDINGS. A SWEEP SHALL BE PROVIDED AND APPROVED BY THE CITY BUILDING AND SAFETY SERVICES DIRECTOR OR HIS DESIGNEE, SHOWING SITE GRADING AND PROVIDE FOR STORM WATER RETENTION AND DRAINAGE DURING CONSTRUCTION. BMPs THAT ARE CURRENTLY ENFORCED BY THE CITY ENGINEER MUST BE IMPLEMENTED PRIOR TO INITIAL INSPECTION BY THE BUILDING DEPARTMENT. C6C 5.106.3.
2- BICYCLE PARKING FOR PROJECTS WITH OVER 10 TENANT OCCUPANTS (10 EMPLOYEE OCCUPANTS) SHALL COMPLY WITH C6C SECTION 5.106.4. THE SPECIFIC DETAILS MUST BE SUBMITTED AND APPROVED BY THE PLANNING DEPARTMENT.
3- FUEL-EFFICIENT VEHICLE PARKING WILL BE PROVIDED IN ACCORDANCE WITH C6C SECTION 5.106.5.1. THE SPECIFIC DETAILS FOR THE PARKING MUST BE SUBMITTED AND APPROVED BY THE CITY PLANNING DEPARTMENT.
4- EXTERIOR LIGHT POLLUTION MUST COMPLY WITH C6C SECTION 5.106.8.
5- MINIMUM OF 50% OF THE CONSTRUCTION WASTE IS TO BE RECYCLED. C6C 5.408.3
6- 100% OF TREES, STUMPS, ROCKS, VEGETATION AND ASSOCIATED SOILS PRIMARILY FROM THE CONSTRUCTION WILL BE REUSED OR RECYCLED . C6C5.408.4.
7- A BUILDING SYSTEM MANUAL AS LISTED IN C6C SECTION 5.410.2.5 SHALL BE DELIVERED TO THE BUILDING OWNER OR REPRESENTATIVE AND THE FACILITIES OPERATOR. SYSTEMS MANUAL SHALL CONTAIN THE REQUIRED FEATURES LISTED IN C6C SECTION 5.410.2.5.1.
8- DURING CONSTRUCTION, ENDS OF DUCT OPENING ARE TO BE SEALED, AND MECHANICAL EQUIPMENT IS TO BE COVERED. C6C 5.504.3.
9- VOC'S MUST COMPLY WITH THE LIMITATIONS LISTED IN SECTION 5.504.4 AND TABLED 4.504.1, 5.504.4.1, 5.504.4.2, 5.504.4.3 AND 5.504.4.5 FOR : ADHESIVES, SEALANTS, PAINTS AND COATINGS, CARPET AND COMPOSITION WOOD PRODUCTS. C6C 5.504.4.
10- INSTALLATIONS OF HVAC, REFRIGERATION AND FIRE SUPPRESSION SYSTEMS WILL NOT CONTAIN CFC'S OR HALONS, PER C6C 5.508.1
11- PRIOR TO FINAL APPROVAL OF THE BUILDING THE LICENSED CONTRACTOR, ARCHITECT OR ENGINEER IN RESPONSIBLE CHARGE OF THE OVERALL CONSTRUCTION MUST COMPLETE AND SIGN THE GREEN BUILDING STANDARDS CERTIFICATION FORM AND GIVEN TO THE BUILDING DEPARTMENT OFFICIAL TO BE FILED WITH THE APPROVED PLANS.
12- WASTE WATER FIXTURES SHALL COMPLY WITH THE STANDARDS LISTED IN C6C TABLE 5.303.9.
13- LANDSCAPE IRRIGATION WATER USE SHALL HAVE WEATHER BASED CONTROLLERS. C6C 5.304.3.1.

ROOF SPECIFICATIONS
ROOF MATERIAL SHALL COMPLY WITH CBC CH. 15 - ICC-ESR 1214 / UL R1806 MANUFACTURED BY "SAF" TYPE GAFMC RUBEROID TORCH APPLIED AS PER MANUFACTURER'S RECOMMENDATIONS INCLUDING ALL FLASHING MATERIALS, BITUMEN / ADHESIVES / PLATES AND FASTENERS ACCESSORIES

TILE ROOF SPECIFICATIONS
ROOF MATERIAL SHALL COMPLY WITH CBC CH. 15 - ICC-ESR 1017 MANUFACTURED BY "USTILE" TYPE FIRE FLASH INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS INCLUDING ALL FLASHING MATERIALS, FASTENERS AND ACCESSORIES

DOOR SCHEDULE

NO	SIZE	W	H	TYPE	FRAME	SELF CLOS	REMARKS
1	3'-0" X 7'-0"	1 3/8"	A	HC	IND PAINT	Y	
2	2'-6" X 6'-8"	1 3/8"	B	HC	HMTL PAINT	N	
3	2'-4" X 6'-8"	1 3/8"	A	HC	HMTL PAINT	N	PAIR W/ 4 VENTS 10'X18"

STOREFRONT WINDOW SCHEDULE

NO	SIZE	DOOR	W	H	TYPE	FRAME	HARDWARE	REMARKS
1	18'-0" X 12'-0"	6'-0" X 8'-0"	0"	0"	AL	AL	ANOD LOCK / PUSH/PULL	TEMPERED GLAZING
2	18'-0" X 12'-0"	---	0"	0"	AL	AL	ANOD	---
3	10'-0" X 12'-0"	---	0"	0"	AL	AL	ANOD	---
4	8'-0" X 8'-0"	---	0"	0"	AL	AL	ANOD	---
5	8'-0" X 8'-0"	---	0"	0"	AL	AL	ANOD	---
6	7'-0" X 8'-0"	---	0"	0"	AL	AL	ANOD	---
7	12'-0" X 8'-0"	---	0"	0"	AL	AL	ANOD	---
8	12'-0" X 8'-0"	3'-0" X 8'-0"	0"	0"	AL	AL	ANOD LOCK / PUSH/PULL	TEMPERED GLAZING
9	14'-0" X 8'-0"	6'-0" X 8'-0"	0"	0"	AL	AL	ANOD LOCK / PUSH/PULL	TEMPERED GLAZING
10	2'-0" X 2'-6"	---	0"	0"	AL	AL	ANOD	---

ALL GLAZING DUAL PANE U=0.31 # SHGC=0.37
SEE ELEVATIONS ON SHT. A11/2/2,3/3/2/3/3

REVISIONS

DATE	DESCRIPTION
9-9-14	

DEVELOPER: CALIFORNIA LIBERTY INVESTMENTS
537 CERES AVE
LOS ANGELES, CA 90013

PROJECT: FOOTHILL RANCHO PLAZA
NEW SHOPPING CENTER
9606-96012-9622 FOOTHILL BLVD
RANCHO CUCAMONGA, CA

GEORGE BEHNAM ARCHITECT
1150 E ORANGEBOURNE # 109
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PROJECT NO: 120102
CAD DWG FILE: G-11
DRAWN BY: M.M.
CHECKED BY: G.B.
DRAWING SCALE: NOTED
DATE: 03-19-12

SHEET TITLE:
BLDG - A
FLOOR PLAN

SHEET
A-1
11 OF 25

REVISIONS	
DATE	BY

DEVELOPER:
CALIFORNIA LIBERTY INVESTMENTS
 537 CERES AVE
 LOS ANGELES, CA 90013

PROJECT:
FOOTHILL RANCHO PLAZA
 NEW SHOPPING CENTER
 9606-96012-9622 FOOTHILL BLVD
 RANCHO CUCAMONGA, CA



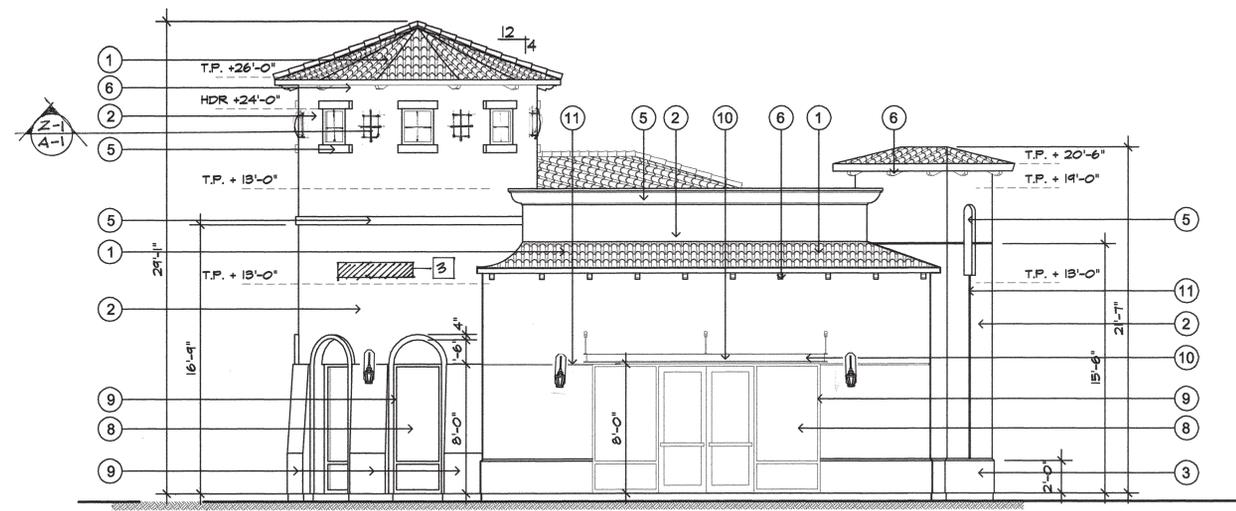
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 DRAWN BY: M.M.
 CHECKED BY: G.B.
 DRAWING SCALE: NOTED
 DATE: 03-19-12

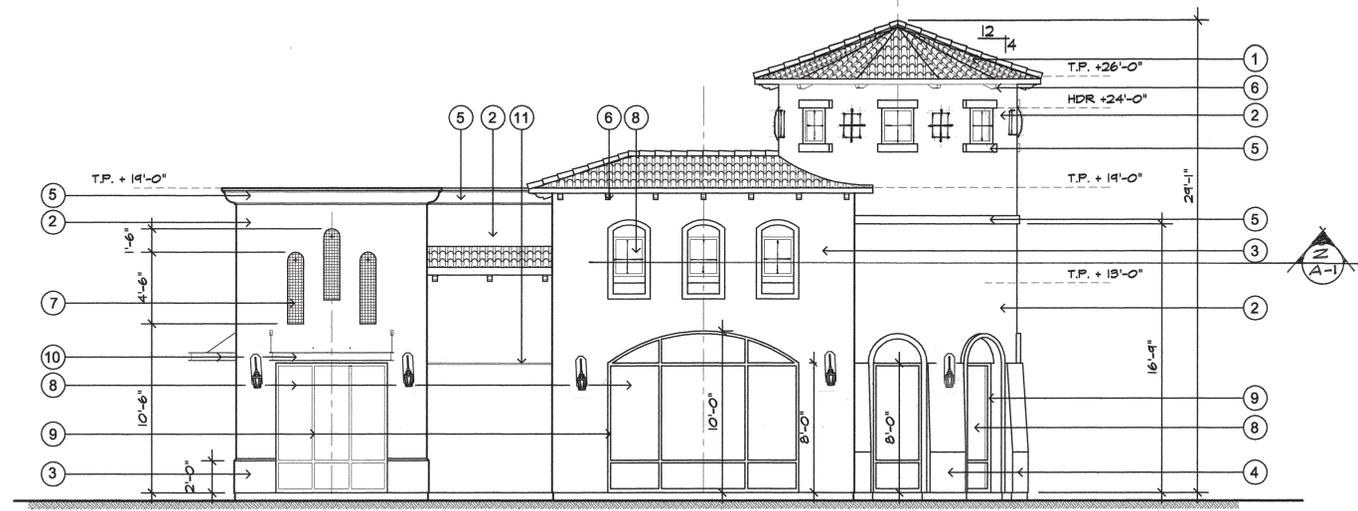
SHEET TITLE:
BULDG - A
ELEVATIONS

SHEET
A - 1.1
 12 OF 25



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

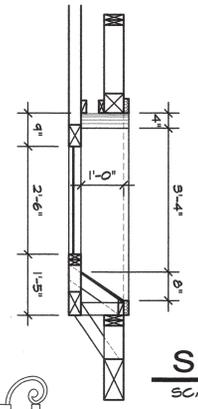
3 BUILDING NUMBERS LEAST 8" TALL AND AUTOMATICALLY ILLUMINATED FROM DUSK TO DAWN PER RCFPD STANDARD 5-8. SUITE DESIGNATION MUST BE POSTED ON ALL THE EXTERIOR DOORS OF EACH SUITE.



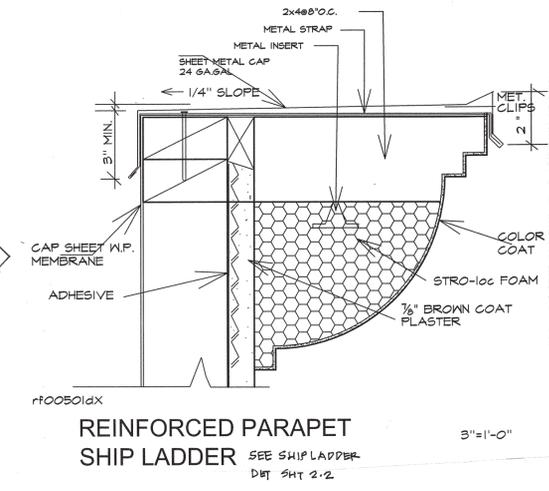
BUILDING - A WEST ELEVATION
 SCALE 3/16" = 1'-0"

ELEVATION LEGEND

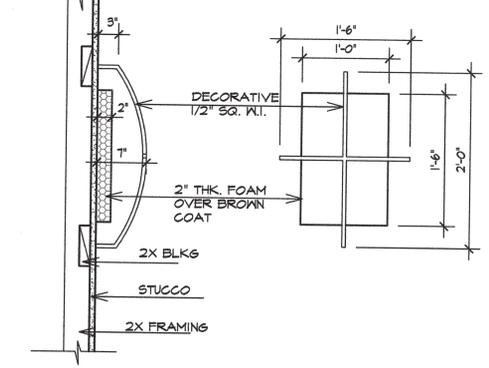
MATERIAL MARK	MATERIAL DESCRIPTION	MATERIAL MANUFACTURER	MATERIAL MODEL
1	2 PIECE MISSION CLAY TILE	US TILE	FIRE FLASH / BR1017
2	OMEGA STUCCO MAIN BODY COLOR	OMEGA	408 PLANTION BEIGE
3	OMEGA STUCCO ACCENT COLOR	OMEGA	418 EGYPTIAN SAND
4	OMEGA STUCCO ACCENT COLOR	OMEGA	420 FLORAL WHITE
5	OMEGA STUCCO ACCENT COLOR OVER FOAM TRIM	OMEGA	409 TOFFEE CRUNCH
6	BROWN STUCCO OVER FOAM CORBEL		
7	BLUE AND WHITE TILES RANDOM PATTERN		
8	BLUE TINT STORE FRONT GLASS		
9	DARK GRAY MULLIONS		
10	BLACK WROUGHT IRON		
11	STUCCO REVEAL		
12	METAL UTILITY DOOR		



SECTION
 SCALE 1/2" = 1'-0"



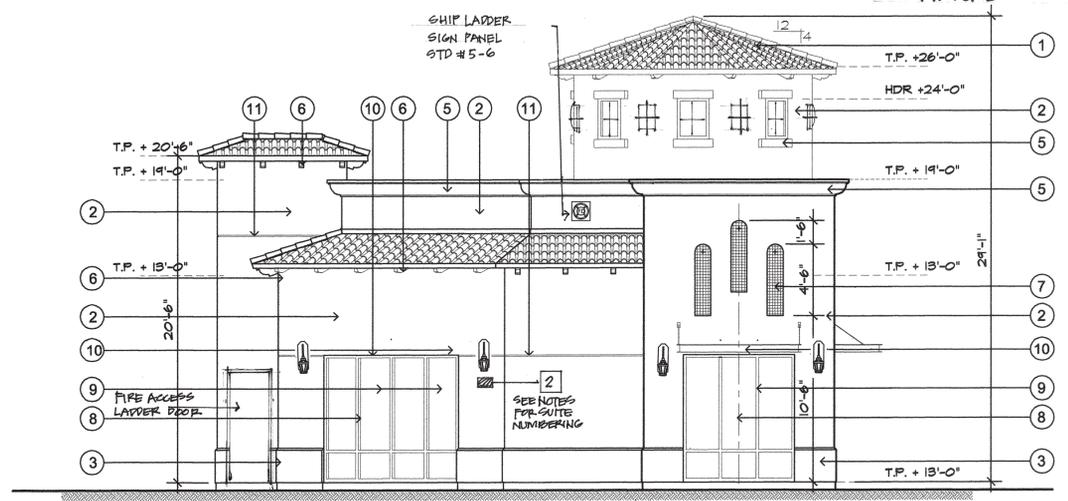
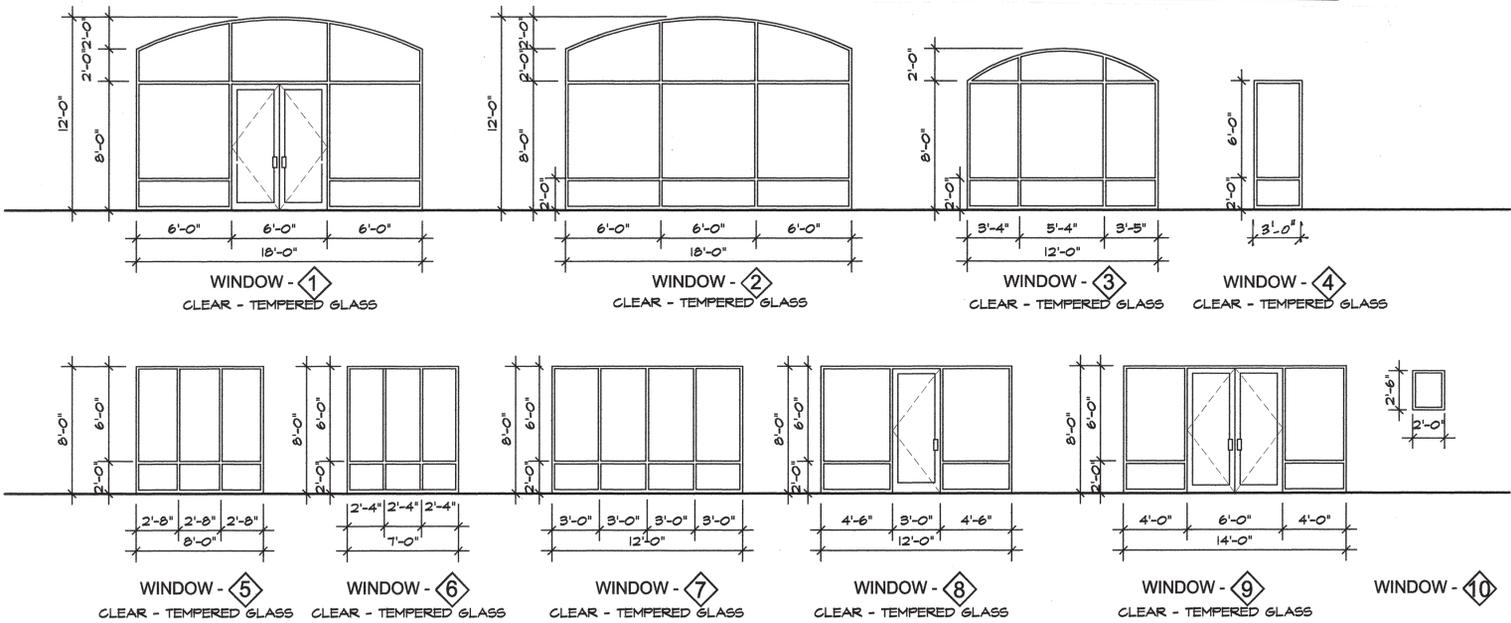
REINFORCED PARAPET SHIP LADDER
 SCALE 3/8" = 1'-0"



SECTION ELEVATION
 SCALE 1" = 1'-0"



TYPICAL LIGHT FIXTURE
 SCALE 1/2" = 1'-0"



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

E:\Work\Documents\Projects\120102\120102-Building-A.dwg (3/19/12) 11:58:10 AM

REVISIONS	
DATE	
9-9-14	▲
	▲

DEVELOPER:
CALIFORNIA LIBERTY INVESTMENTS
 537 CERES AVE
 LOS ANGELES, CA 90013

PROJECT:
FOOTHILL RANCHO PLAZA
 NEW SHOPPING CENTER
 9606-96012-9622 FOOTHILL BLVD
 RANCHO CUCAMONGA, CA

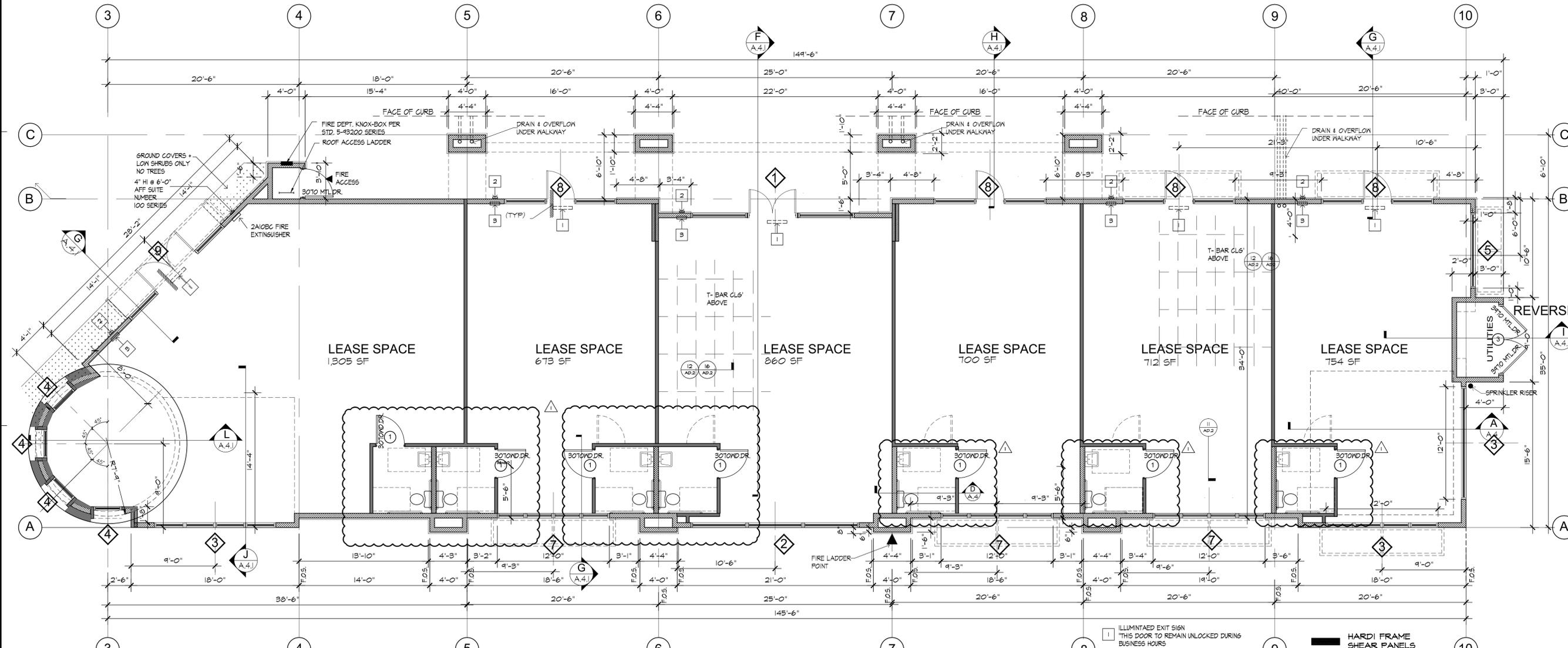
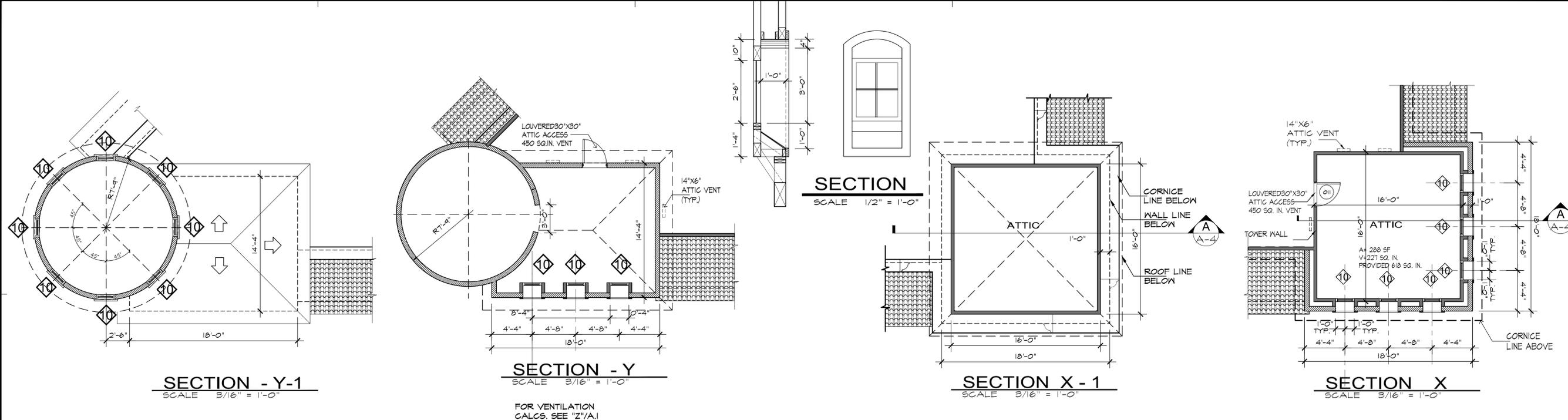


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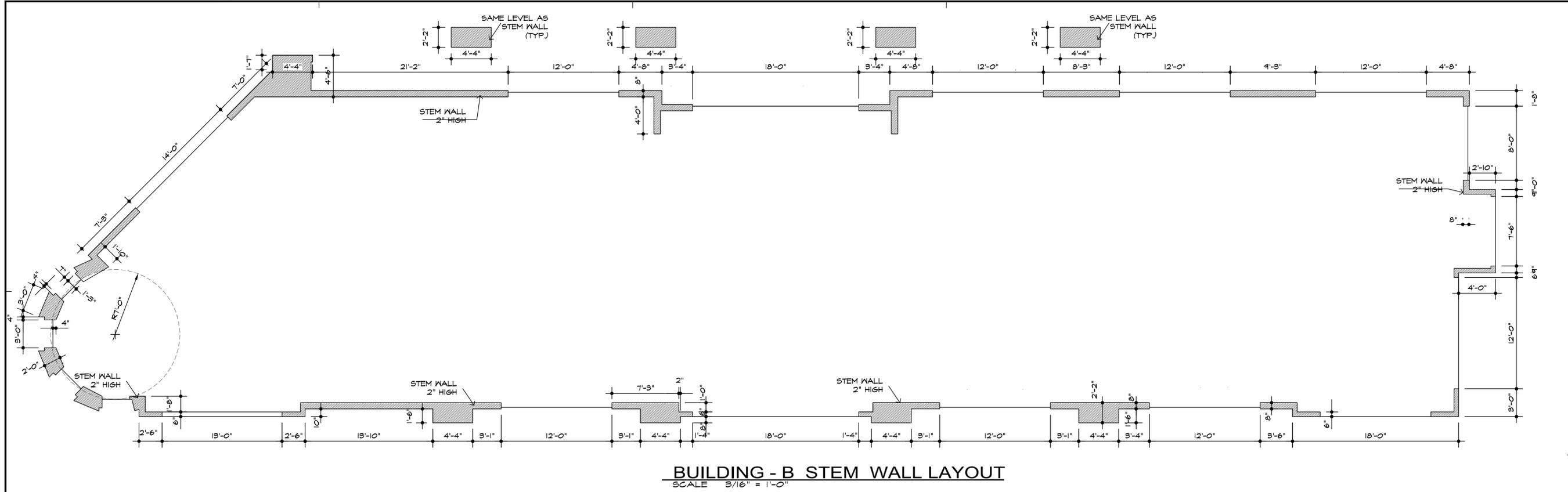
PROJECT NO: 120102
 CAD DWG FILE: G-11
 DRAWN BY: M.M.
 CHECKED BY: G.B.
 DRAWING SCALE: NOTED
 DATE: 03-19-12

SHEET TITLE:
**BLDG - B
 FLOOR PLAN**

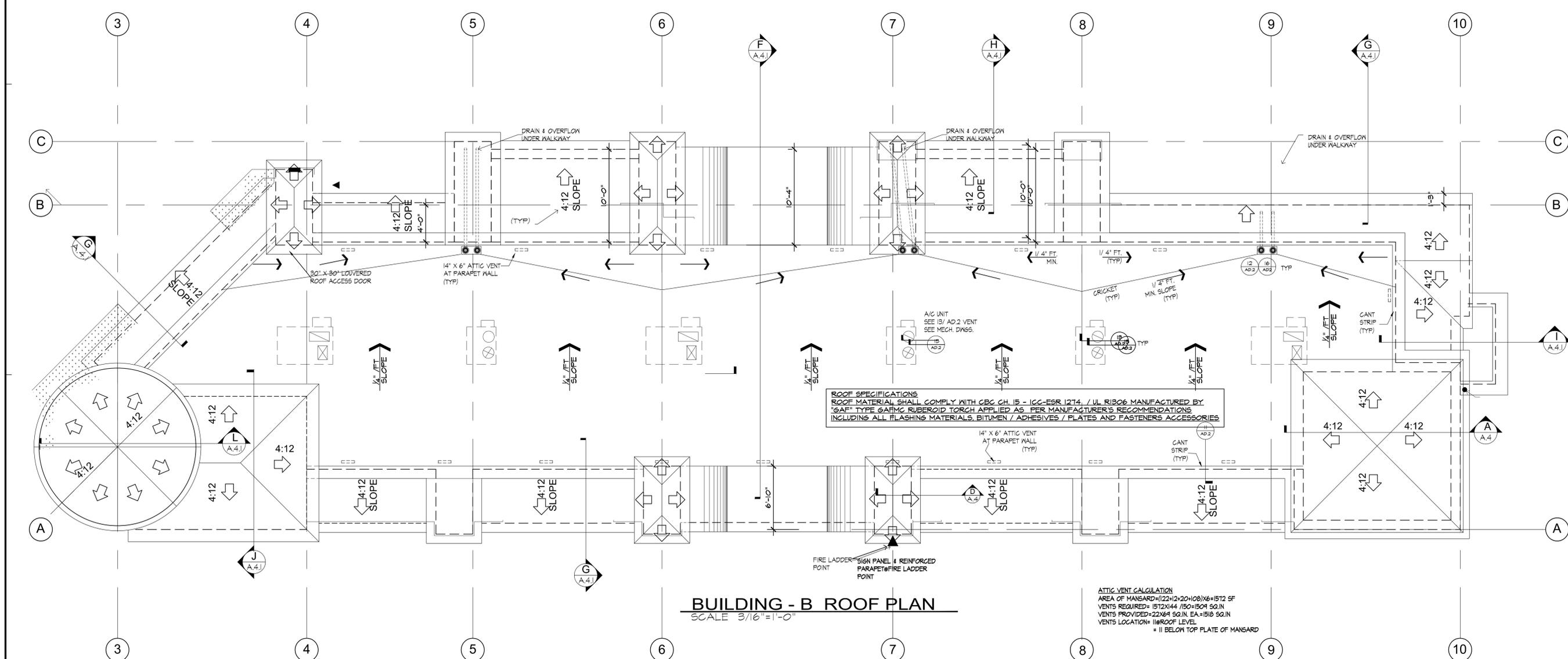
SHEET
A - 2
 13 OF 25



BUILDING - B FLOOR PLAN
 SCALE 3/16" = 1'-0"
 9612 FOOTHILL BLVD.



BUILDING - B STEM WALL LAYOUT
SCALE 3/16" = 1'-0"



BUILDING - B ROOF PLAN
SCALE 3/16" = 1'-0"

ATTIC VENT CALCULATION
AREA OF MANGARD = (122+12+20+108) x 6 = 1512 SF
VENTS REQUIRED = 1512 x 1/44 / 150 = 1509 SQ. IN.
VENTS PROVIDED = 22 x 64 SQ. IN. EA = 1508 SQ. IN.
VENTS LOCATION = 11" BELOW TOP PLATE OF MANGARD

REVISIONS	
DATE	

DEVELOPER:
CALIFORNIA LIBERTY INVESTMENTS
537 CERES AVE
LOS ANGELES, CA 90013

PROJECT:
FOOTHILL RANCHO PLAZA
NEW SHOPPING CENTER
9808-98012-9822 FOOTHILL BLVD
RANCHO CUCAMONGA, CA



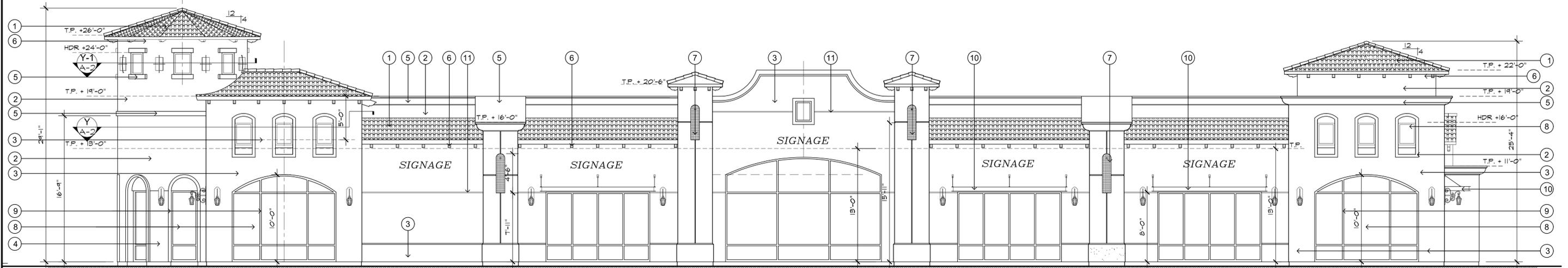
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PROJECT NO: 120102
CAD DWG FILE: G-11
DRAWN BY: M.M.
CHECKED BY: G.B.
DRAWING SCALE: NOTED
DATE: 03-19-12

SHEET TITLE:
BLDG - B STEM WALLS & ROOF PLAN

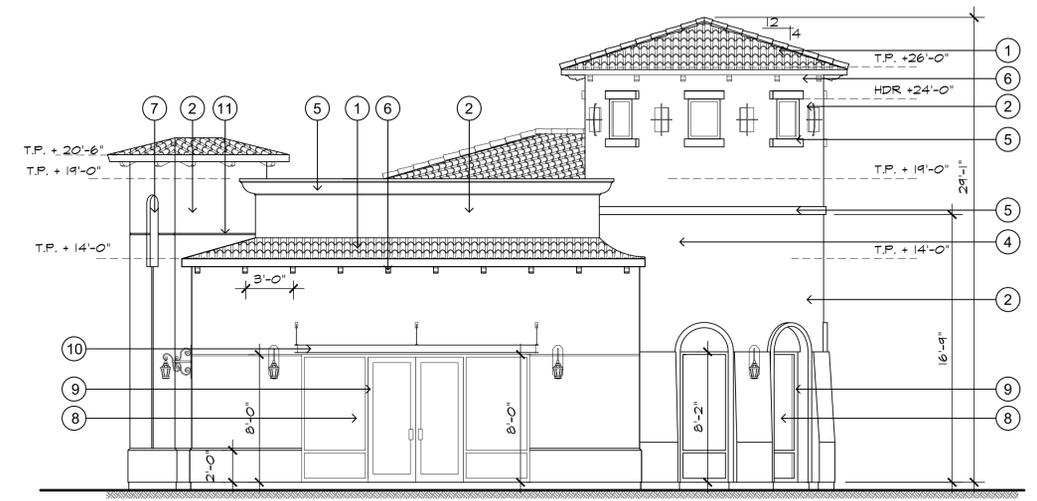
SHEET
A - 2.1
14 OF 25



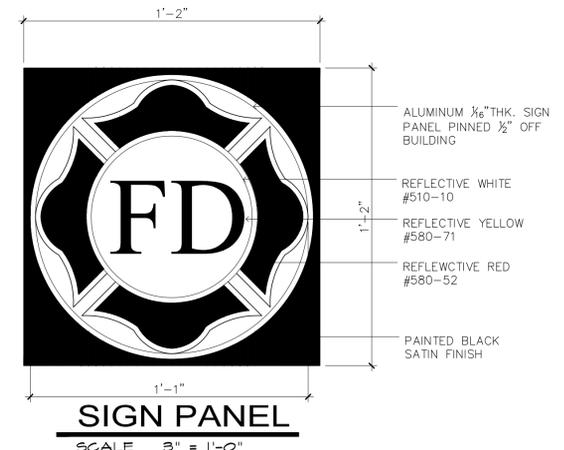
BUILDING - B SOUTH ELEVATION
SCALE 3/16" = 1'-0"

ELEVATION LEGEND

MATERIAL MARK	MATERIAL DESCRIPTION	MATERIAL MANUFACTURER	MATERIAL MODEL
1	2 PIECE MISSION CLAY TILE	US TILE	FIRE FLASH
2	OMEGA STUCCO MAIN BODY COLOR	OMEGA	408 PLANTION BEIGE
3	OMEGA STUCCO ACCENT COLOR	OMEGA	418 EGYPTION SAND
4	OMEGA STUCCO ACCENT COLOR	OMEGA	420 FLORAL WHITE
5	OMEGA STUCCO ACCENT COLOR OVER FOAM TRIM	OMEGA	409 TOFFEE CRUNCH
6	BROWN STUCCO OVER FOAM CORBEL		
7	BLUE AND WHITE TILES RANDOM PATTERN		
8	BLUE TINT STORE FRONT GLASS		
9	DARK GRAY MULLIONS		
10	BLACK WROUGHT IRON		
11	STUCCO REVEAL		
12	METAL UTILITY DOOR		



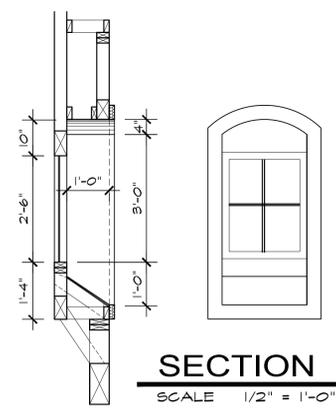
BUILDING - B NORTH WEST ELEVATION
SCALE 3/16" = 1'-0"



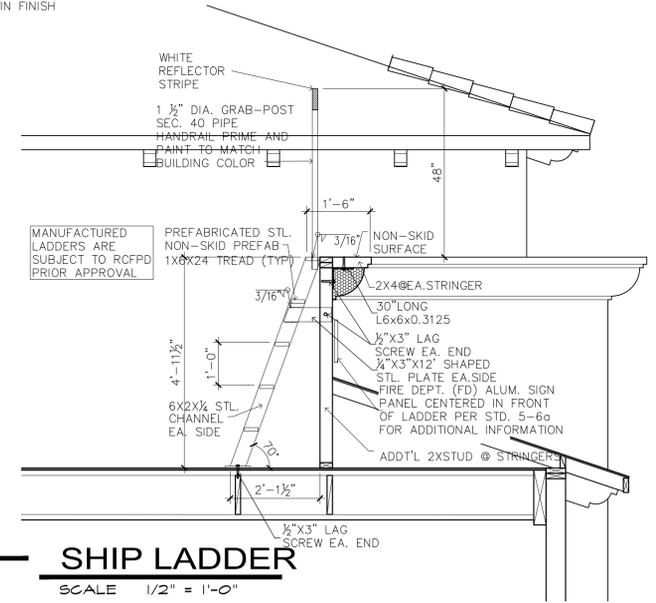
SIGN PANEL
SCALE 3" = 1'-0"



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



SECTION
SCALE 1/2" = 1'-0"



SHIP LADDER
SCALE 1/2" = 1'-0"

PROJECT:
FOOTHILL RANCHO PLAZA
NEW SHOPPING CENTER
9606-96012-9622 FOOTHILL BLVD
RANCHO CUCAMONGA, CA



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PROJECT NO: 120102
CAD DWG FILE: G-11
DRAWN BY: M.M.
CHECKED BY: G.B.
DRAWING SCALE: NOTED
DATE: 03-19-12

SHEET TITLE:

BLDG - B ELEVATIONS

SHEET
A - 2.2
15 OF 25

REVISIONS	
DATE	△

DEVELOPER:
CALIFORNIA LIBERTY INVESTMENTS
 537 CERES AVE
 LOS ANGELES, CA 90013

PROJECT:
FOOTHILL RANCHO PLAZA
 NEW SHOPPING CENTER
 9806-98012-9822 FOOTHILL BLVD
 RANCHO CUCAMONGA, CA



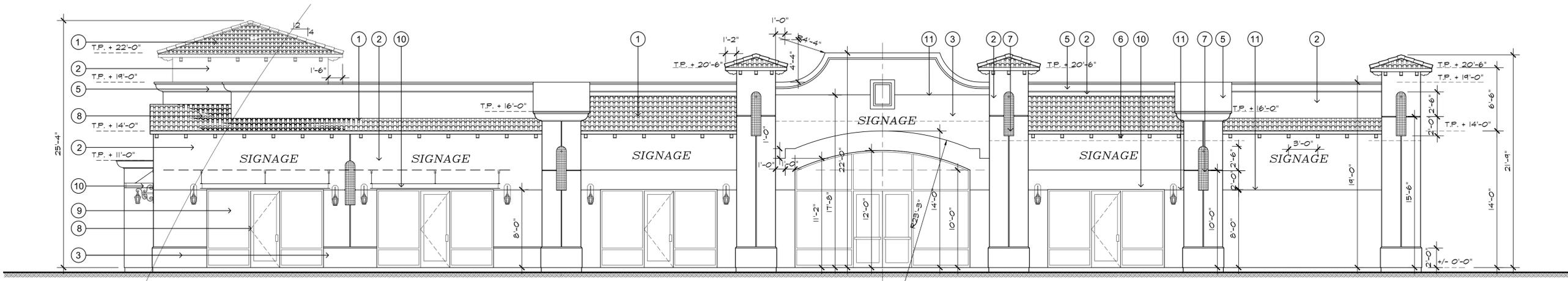
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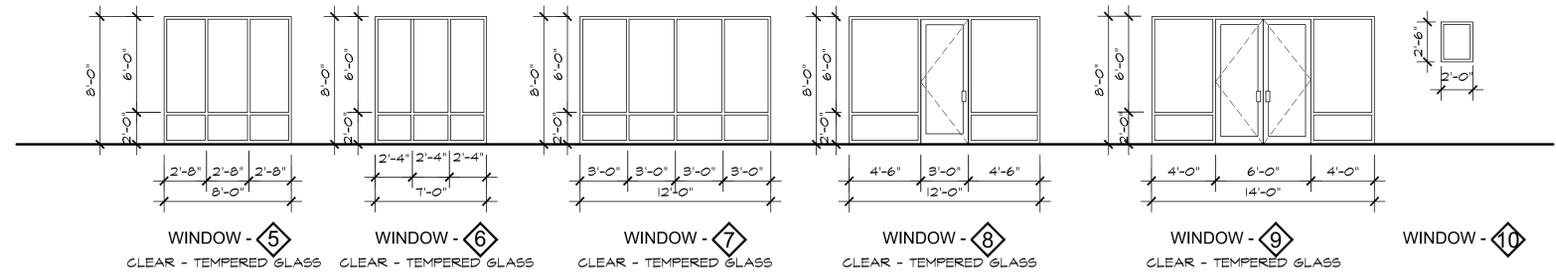
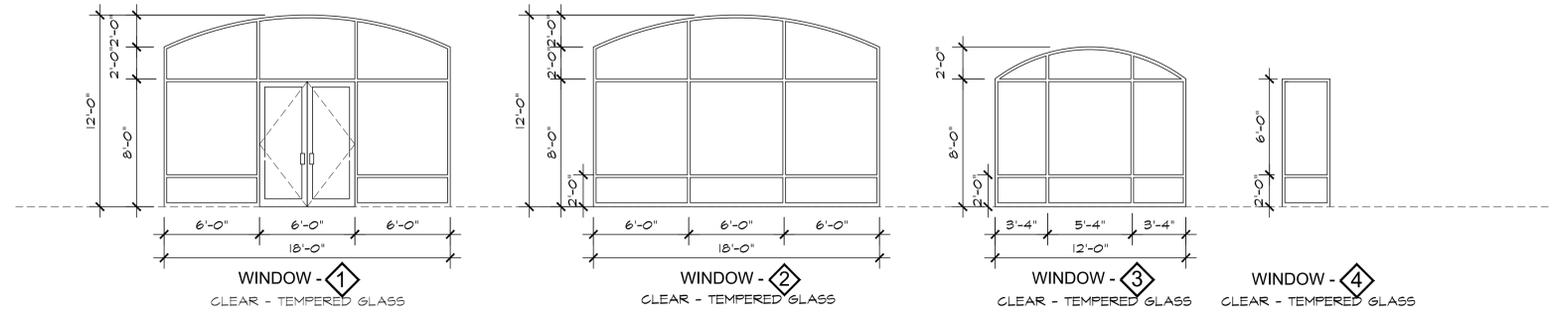
PROJECT NO: 120102
 CAD DWG FILE: G-11
 DRAWN BY: M.M.
 CHECKED BY: G.B.
 DRAWING SCALE: NOTED
 DATE: 03-19-12

SHEET TITLE:
BLDG - B ELEVATIONS

SHEET
A - 2.3
 16 OF 25

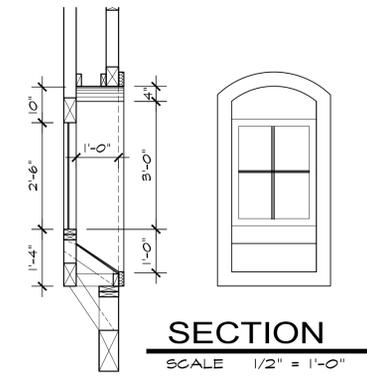


BUILDING - B NORTH ELEVATION
 SCALE 3/16" = 1'-0"

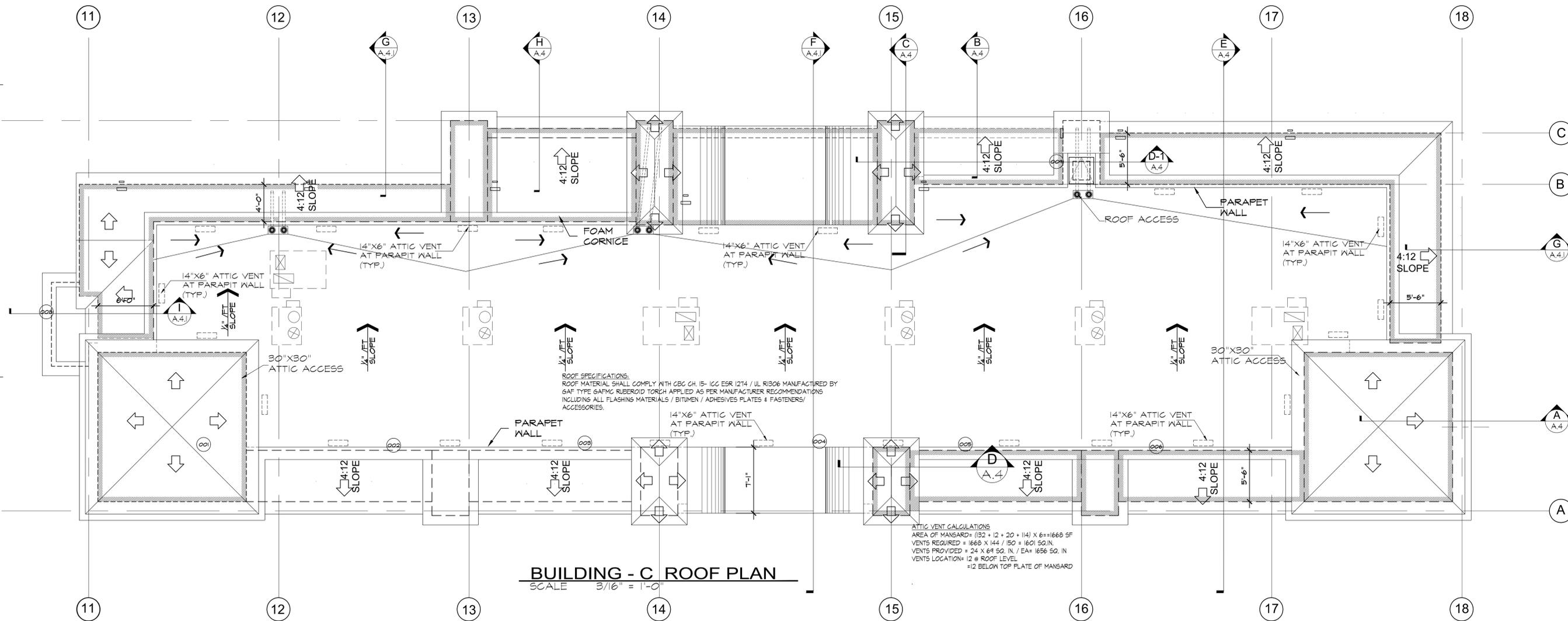
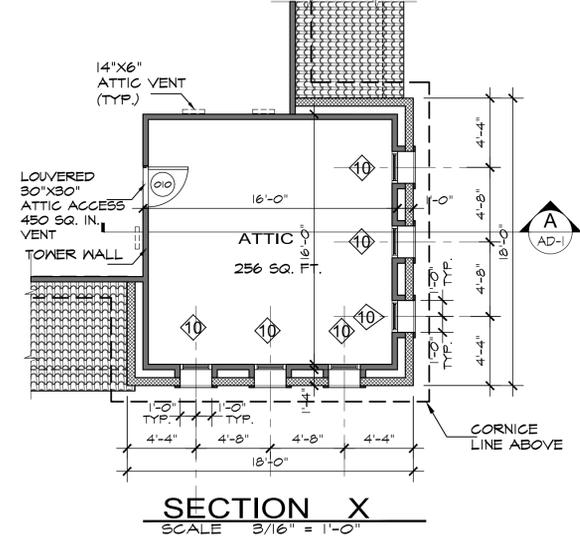
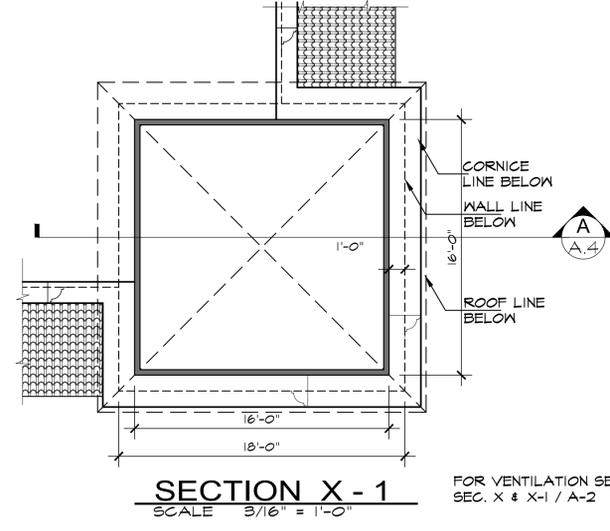
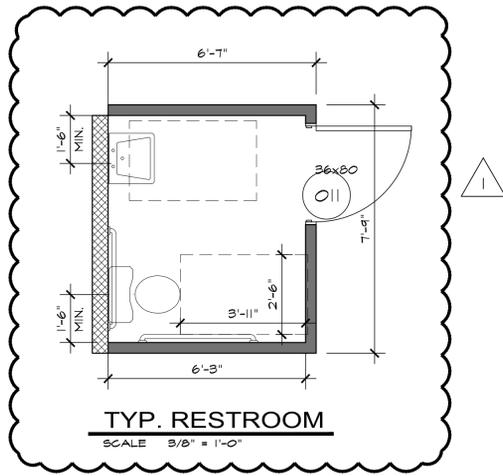


ELEVATION LEGEND

MATERIAL MARK	MATERIAL DESCRIPTION	MATERIAL MANUFACTURER	MATERIAL MODEL
1	2 PIECE MISSION CLAY TILE	US TILE	FIRE FLASH
2	OMEGA STUCCO MAIN BODY COLOR	OMEGA	408 PLANTION BEIGE
3	OMEGA STUCCO ACCENT COLOR	OMEGA	418 EGYPTION SAND
4	OMEGA STUCCO ACCENT COLOR	OMEGA	420 FLORAL WHITE
5	OMEGA STUCCO ACCENT COLOR OVER FOAM TRIM	OMEGA	404 TOFFEE CRUNCH
6	BROWN STUCCO OVER FOAM CORBEL		
7	BLUE AND WHITE TILES RANDOM PATTERN		
8	BLUE TINT STORE FRONT GLASS		
9	DARK GRAY MULLIONS		
10	BLACK WROUGHT IRON		
11	STUCCO REVEAL		
12	METAL UTILITY DOOR		



SECTION
 SCALE 1/2" = 1'-0"



ROOF SPECIFICATIONS:
ROOF MATERIAL SHALL COMPLY WITH CBC CH. 15-102 ESR 1274 / UL R306 MANUFACTURED BY GAF TYPE 6470 RUBEROID TORCH APPLIED AS PER MANUFACTURER'S RECOMMENDATIONS INCLUDING ALL FLASHING MATERIALS / BITUMEN / ADHESIVES PLATES & FASTENERS / ACCESSORIES.

ATTIC VENT CALCULATIONS:
AREA OF MANSARD = (132 + 12 + 20 + 114) X 6 = 1668 SF
VENTS REQUIRED = 1668 X .144 / 150 = 1601 SQ. IN.
VENTS PROVIDED = 24 X 64 SQ. IN. / EA = 1536 SQ. IN.
VENTS LOCATION = 12 @ ROOF LEVEL
= 12 BELOW TOP PLATE OF MANSARD

REVISIONS	
DATE	REVISION

DEVELOPER:	CALIFORNIA LIBERTY INVESTMENTS
PROJECT:	FOOTHILL RANCHO PLAZA NEW SHOPPING CENTER 9606-96012-9622 FOOTHILL BLVD RANCHO CUCAMONGA, CA

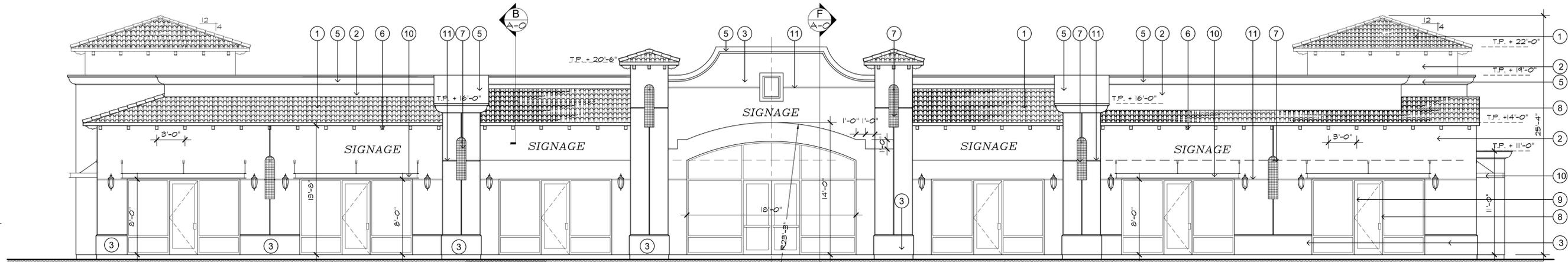
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GEORGE BEHNAME ARCHITECT 1150 E. ORANGETHORPE # 109 PLACENTIA, CA 92870 (714) 572-2384 E-mail: gbehnam@sbglobal.net FAX: (714) 572-2385 <small>THIS DRAWING AND ALL ACCESSORIES ARE THE PROPERTY OF GEORGE BEHNAME ARCHITECT. THEIR USE AND PUBLICATION SHALL BE RESTRICTED TO THE ORIGINAL SITE THEY WERE DESIGNED FOR. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT.</small>
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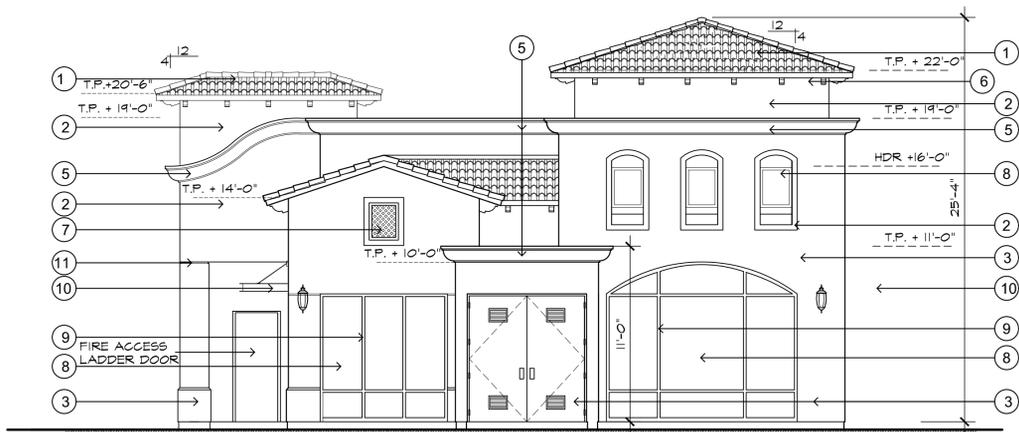
PROJECT NO:	120102
CAD DWG FILE:	G-11
DRAWN BY:	M.M.
CHECKED BY:	G.B.
DRAWING SCALE:	NOTED
DATE:	04-04-12

SHEET TITLE:	BULDG - C ROOF PLAN
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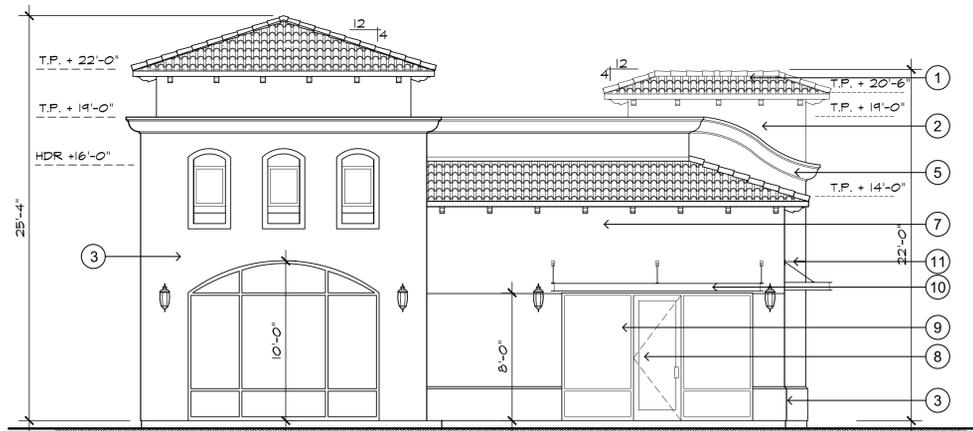
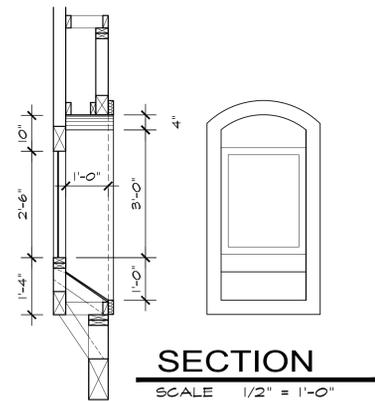
SHEET	A - 3.1
	18 OF 25



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



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



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

ELEVATION LEGEND

MATERIAL MARK	MATERIAL DESCRIPTION	MATERIAL MANUFACTURER	MATERIAL MODEL
1	2 PIECE MISSION CLAY TILE	US TILE	FIRE FLASH
2	OMEGA STUCCO MAIN BODY COLOR	OMEGA	408 FLANTION BEIGE
3	OMEGA STUCCO ACCENT COLOR	OMEGA	418 EGYPTIAN SAND
4	OMEGA STUCCO ACCENT COLOR	OMEGA	420 FLORAL WHITE
5	OMEGA STUCCO ACCENT COLOR OVER FOAM TRIM	OMEGA	409 TOFFEE CRUNCH
6	BROWN STUCCO OVER FOAM CORBEL		
7	BLUE AND WHITE TILES RANDOM PATTERN		
8	BLUE TINT STORE FRONT GLASS		
9	DARK GRAY MULLIONS		
10	BLACK WROUGHT IRON		
11	STUCCO REVEAL		
12	METAL UTILITY DOOR		

REVISIONS

DATE	REVISION
	△

DEVELOPER:
CALIFORNIA LIBERTY INVESTMENTS
537 CERES AVE
LOS ANGELES, CA 90013

PROJECT:
FOOTHILL RANCHO PLAZA
NEW SHOPPING CENTER
9606-96012-9622 FOOTHILL BLVD
RANCHO CUCAMONGA, CA



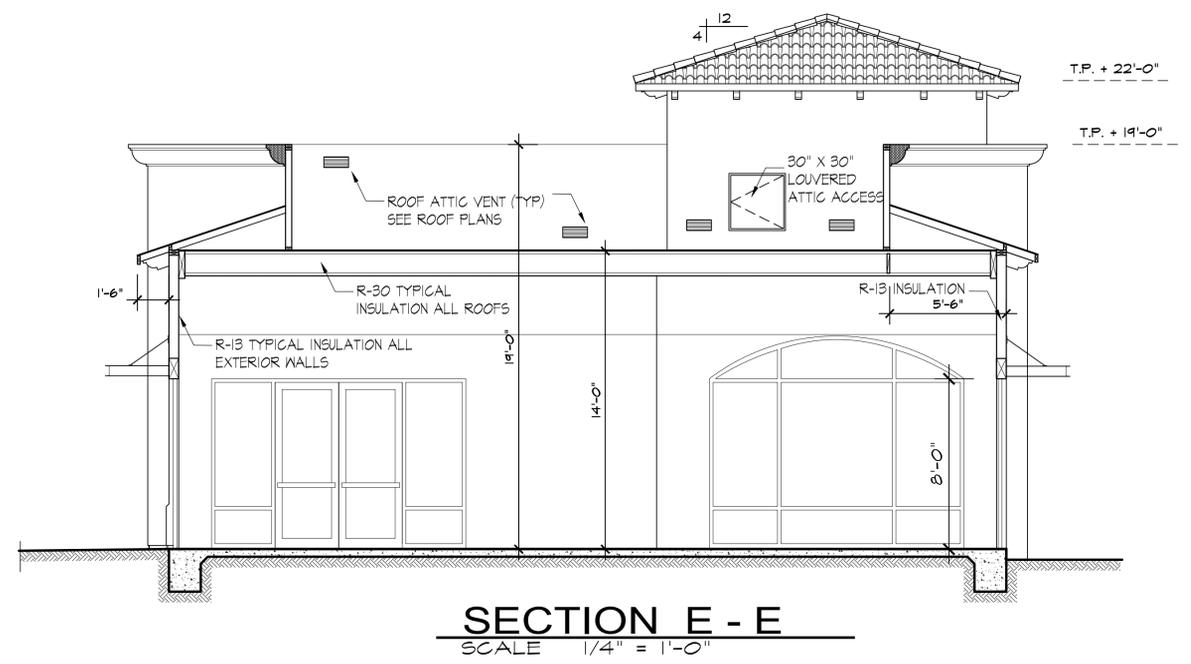
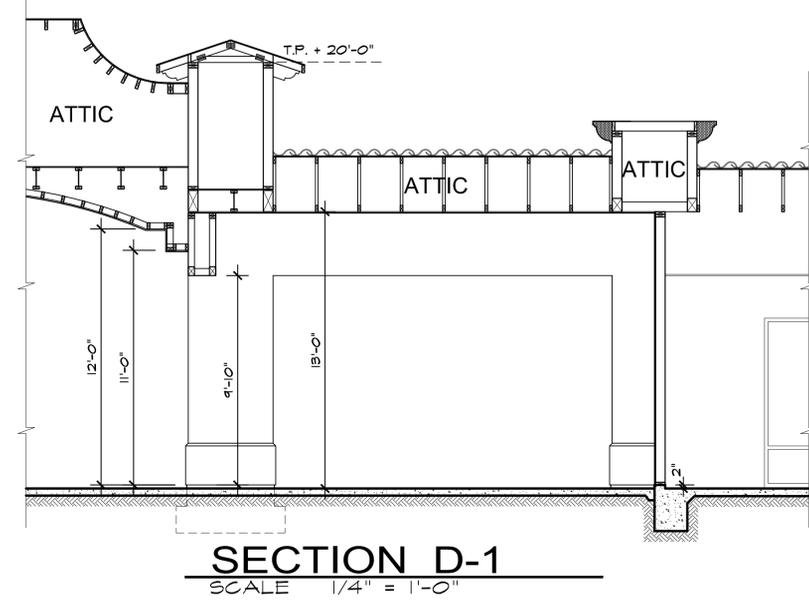
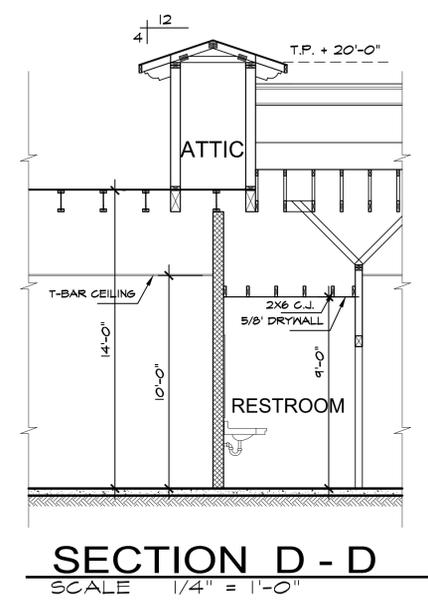
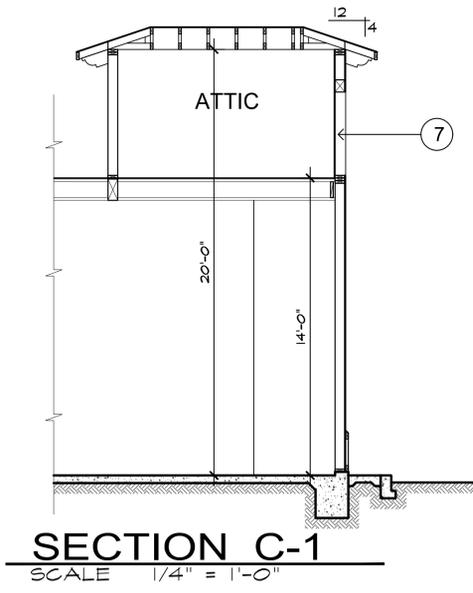
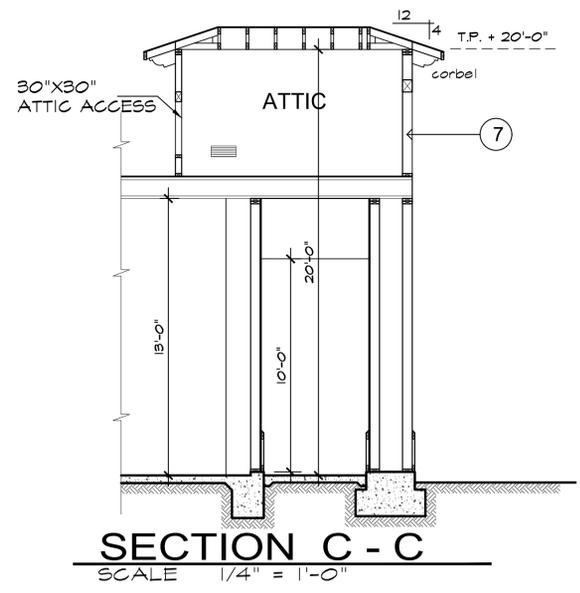
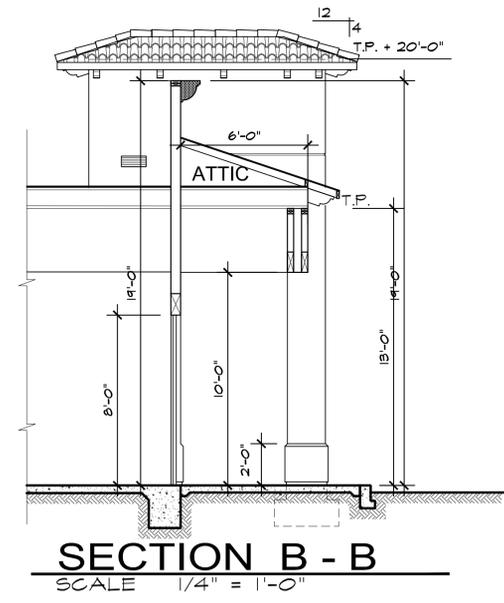
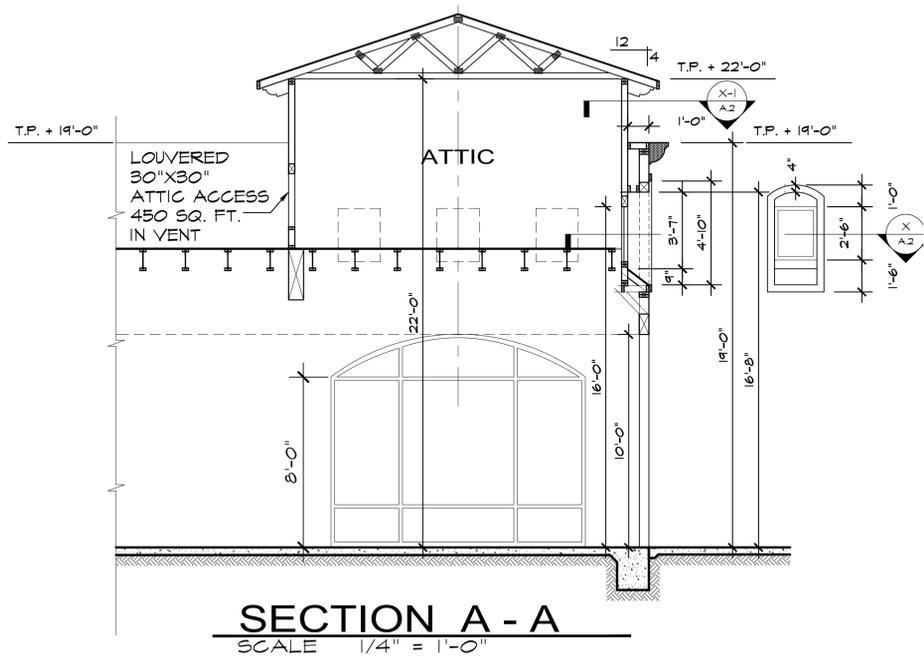
GEORGE BEHNAME
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1150 E. ORANGETHORPE # 109
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PROJECT NO: 120102
CAD DWG FILE: G-11
DRAWN BY: M.M.
CHECKED BY: G.B.
DRAWING SCALE: NOTED
DATE: 04-04-12

SHEET TITLE:
BULDG - C FLOOR PLAN

SHEET
A - 3.2
19 OF 25

REVISIONS	
DATE	DESCRIPTION



DEVELOPER:
CALIFORNIA LIBERTY INVESTMENTS
 537 CERES AVE
 LOS ANGELES, CA 90013

PROJECT:
FOOTHILL RANCHO PLAZA
 NEW SHOPPING CENTER
 9606-96012-9622 FOOTHILL BLVD
 RANCHO CUCAMONGA, CA



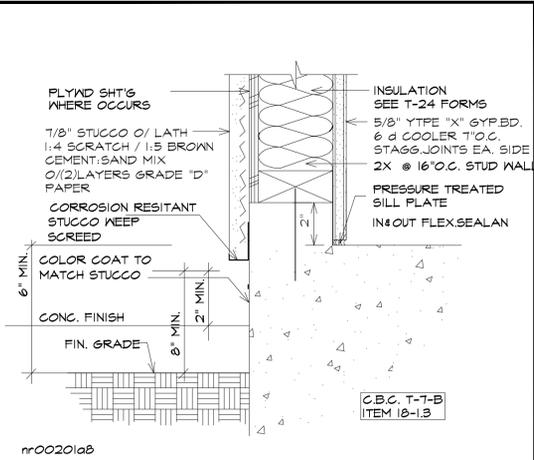
GEORGE BEHNAME
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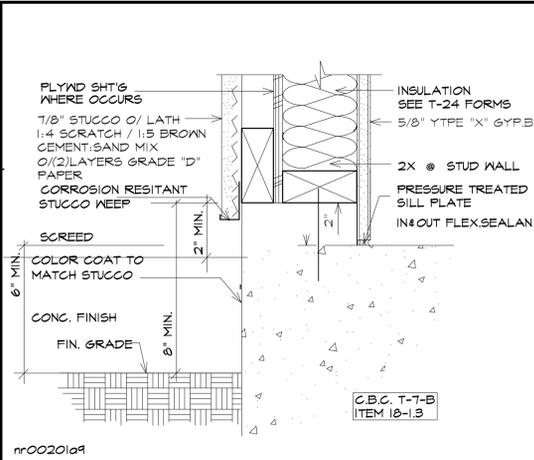
PROJECT NO: 120102
 CAD DWG FILE: G-11
 DRAWN BY: M.M.
 CHECKED BY: G.B.
 DRAWING SCALE: NOTED
 DATE: 04-04-12

SHEET TITLE:
BUILDINGS SECTIONS

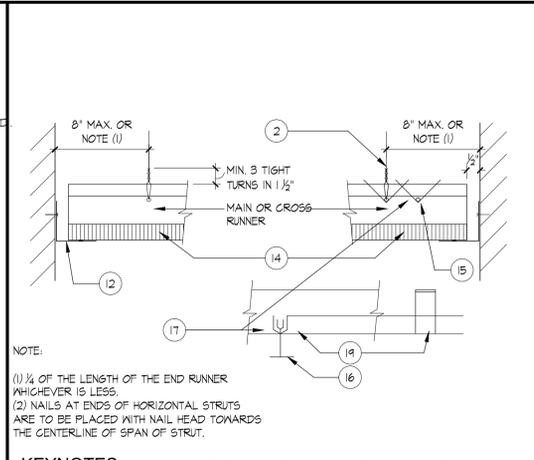
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A-4
 21 OF 25



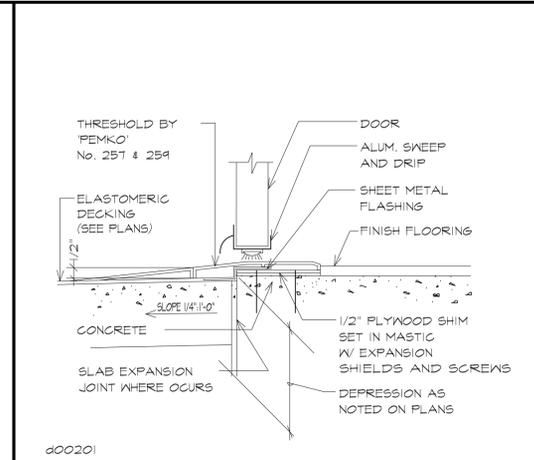
1 EXT. WALL SILL SCALE 3"=1'-0"



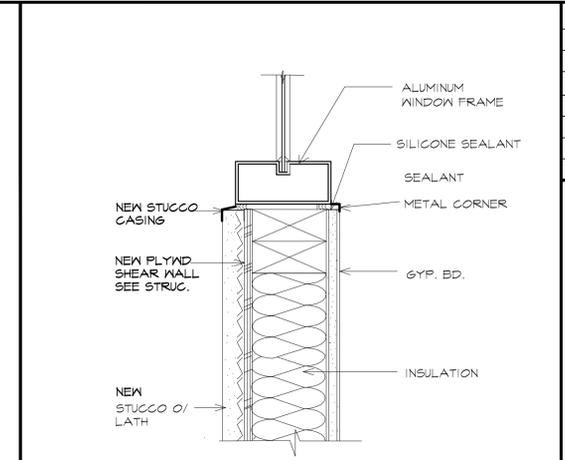
2 EXT. WALL SILL SCALE 3"=1'-0"



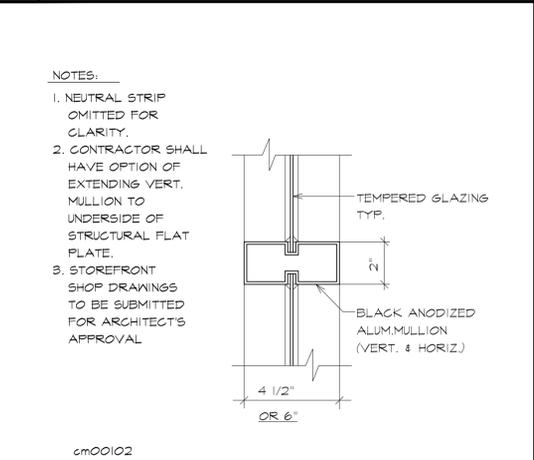
KEYNOTES: HEAVY DUTY T-BAR GRID SYSTEM IN ACCORDANCE WITH CISCA.



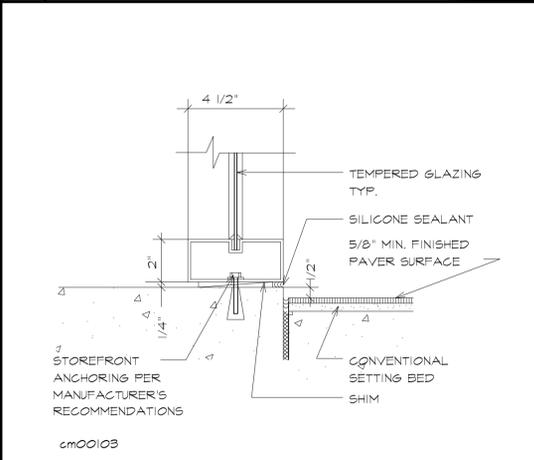
4 EXTERIOR THRESHOLD @ CONC. FLOOR 3"=1'-0"



5 WINDOW JAMB 3"=1'-0"

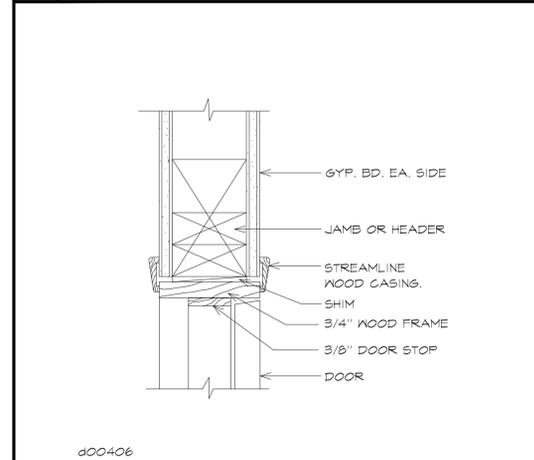


6 HORIZ. MULLION (VERT. SIM.) 3"=1'-0"

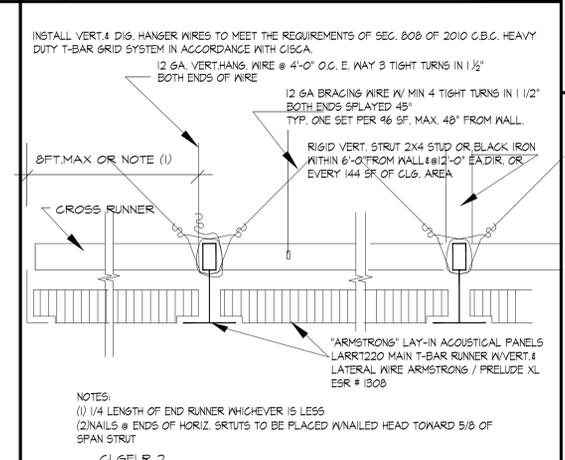


7 SILL DETAIL 3"=1'-0"

- 12 GA. SPLAYED BRACE WIRES IN FOUR DIRECTIONS 90 DEGREE APART AT 12'-0" X 8'-0" O.C. EACH WAY.
- 8 GA. VERTICAL HANGER WIRE @ 4'-0" O.C. EACH WAY.
- RIGID VERTICAL COMPRESSION STRUT.
- 1 1/2" X 16 GA. MAIN RUNNER @ 48" O.C.
- CROSS RUNNER 7/8" X 20 GA. FURRING CHANNELS @ 16" O.C. SADDLE TIED AROUND MAIN RUNNER WITH 16 GA. WIRE.
- 5/8" GYP. BOARD (TYP.).
- 2 1/2" X 20 GA. MTL. STUD COMPRESSION STRUT MAX. 7'-0" X 8'-0" EACH WAY.
- #8 S.M.S. TROUGH STUD FLANGE AND MAIN RUNNER.
- SPLAYED BRACE WIRE.
- 1 1/2" CONTINUOUS WITH #10 S.T.S. @ 16" O.C.
- 1 1/2" X 1 1/2" X 16 GA. ANGLE @ WALLS WITH #8 S.T.S. EA. STUD.
- 2" MAX. FROM BRACING WIRES TO CROSS RUNNER.
- ACOUSTICAL TILE.
- SLOTTED ANGLE SPACER WITH HOR. ED. RINGSHANK NAIL.
- 15/16" (TYP.).
- SPACERS MAY BE SLOTTED ANGLES OR CHANNELS WITH "DIAMOND POINTS" OR SPRING STEEL WHICH SNAP TIGHT TO PREVENT MOVEMENT OF STRUT.
- LIGHT FIXTURE.
- CHANNEL.



9 DOOR HEAD/JAMB-WOOD 3"=1'-0"



10 ACOUSTICAL CEILING GRID SCALE 3/8"=1'-0"

SUSPENDED CEILING SYSTEMS
HEAVY DUTY T-BAR GRID SYSTEM IN ACCORDANCE WITH CISCA
SUSPENDED CEILING FRAMING SYSTEMS SHALL BE DESIGNED TO RESIST A LATERAL FORCE OF 50% OF THE HEIGHT OF THE CEILING ASSEMBLY AND ANY LOADS TRIBUTARY TO THE SYSTEM FOR PURPOSES OF DETERMINING THE LATERAL FORCE. A MINIMUM CEILING HEIGHT OF 5 POUNDS PER SQUARE FOOT SHALL BE USED.

WHERE THE CEILING LOADS DO NOT EXCEED 10 POUNDS PER SQUARE FOOT AND WHERE PARTITIONS ARE NOT CONNECTED TO THE CEILING SYSTEM, THE FOLLOWING BRACING METHOD MAY BE EMPLOYED:

A. LATERAL SUPPORT MAY BE PROVIDED FOR FOUR WIRES OF MINIMUM NO. 12 GAUGE SPLAYED (4) TIGHT TURNS IN 1/2" IN FOUR DIRECTIONS 90 DEGREE APART AND CONNECTED TO THE MAIN RUNNER WITHIN 2" OF THE CROSS-RUNNER AND TO THE STRUCTURE ABOVE AT AN ANGLE NOT EXCEEDING 45 DEGREE FROM THE PLANE OF THE CEILING. THESE LATERAL SUPPORT POINTS SHALL BE PLACED 12" O.C. IN EACH DIRECTION WITH THE FIRST POINT WITHIN 4" OF EACH WALL.

B. ALLOWANCE SHALL BE MADE FOR LATERAL MOVEMENT OF THE SYSTEM. MAIN RUNNERS AND CROSS RUNNERS MAY BE ATTACHED AT TWO ADJACENT WALLS WITH CLEARANCE BETWEEN THE WALL AND THE RUNNERS MAINTAINED AT THE OTHER TWO WALLS.

C. VERTICAL SUPPORT SHALL BE PROVIDED AS REQUIRED CISCA 4 CURRENT CBC WITH THE ADDED REQUIREMENT THAT DISCONTINUOUS ENDS OF CROSS RUNNERS AND MAIN RUNNERS BE VERTICALLY SUPPORTED WITHIN 8" OF SUCH DISCONTINUITIES AS MAY OCCUR WHERE THE CEILING IS INTERRUPTED BY A WALL.

D. LIGHTING FIXTURES AND AIR DIFFUSERS SHALL BE SUPPORTED DIRECTLY BY WIRES TO THE STRUCTURES ABOVE.

E. CEILING AREAS BIGGER THAN 1000 SF SHALL BE PROVIDED WITH HORIZONTAL RESTRAINT SYSTEM.

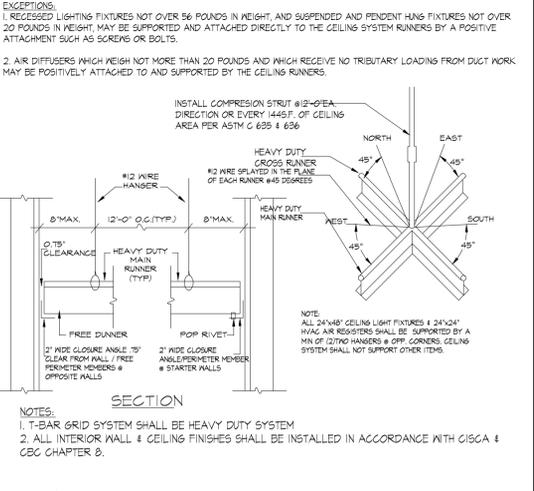
F. CEILING AREAS BIGGER THAN 2500 SF SHALL BE PROVIDED WITH SEISMIC SEPARATION JOINT.

G. CHANGES IN CEILING PLANE SHALL BE PROVIDED WITH POSITIVE BRACINGS.

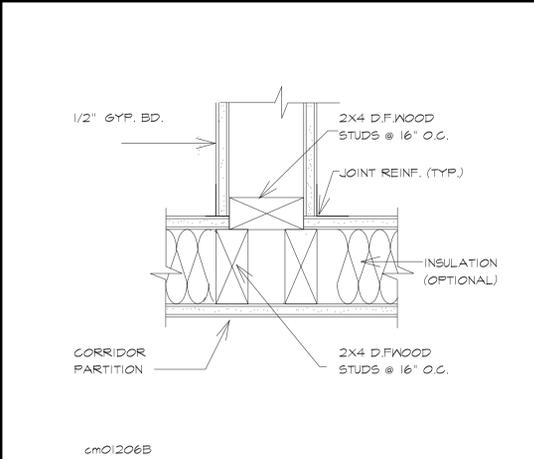
H. CABLE TRAYS AND ELECTRICAL CONDUITS SHALL BE SUPPORTED INDEPENDENTLY.

EXCEPTIONS:
1. RECESSED LIGHTING FIXTURES NOT OVER 56 POUNDS IN WEIGHT, AND SUSPENDED AND PENDENT HANG FIXTURES NOT OVER 20 POUNDS IN WEIGHT, MAY BE SUPPORTED AND ATTACHED DIRECTLY TO THE CEILING SYSTEM RUNNERS BY A POSITIVE ATTACHMENT SUCH AS SCREWS OR BOLTS.

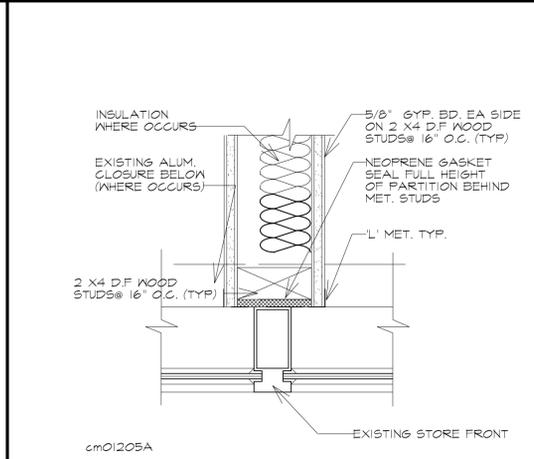
2. AIR DIFFUSERS WHICH WEIGH NOT MORE THAN 20 POUNDS AND WHICH RECEIVE NO TRIBUTARY LOADINGS FROM DUCT WORK MAY BE POSITIVELY ATTACHED TO AND SUPPORTED BY THE CEILING RUNNERS.



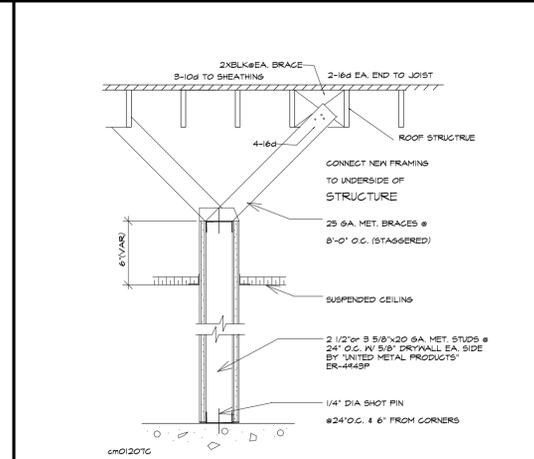
16 T-BAR CEILING 3"=1'-0"



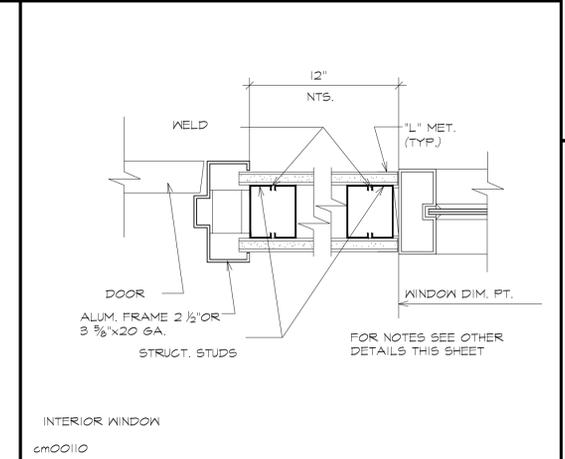
12 PERPEN. PARTITION DETAIL 3"=1'-0"



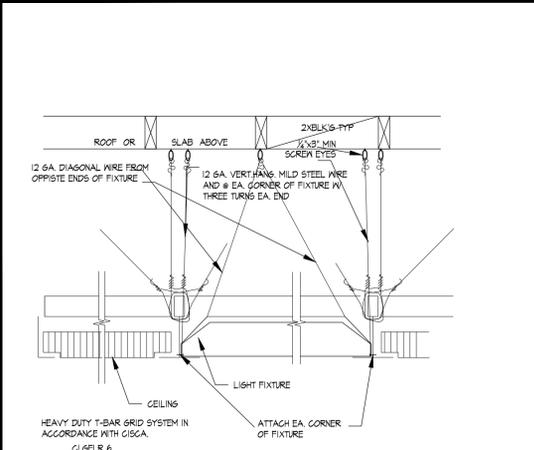
13 PARTY WALL TO MULLION 3"=1'-0"



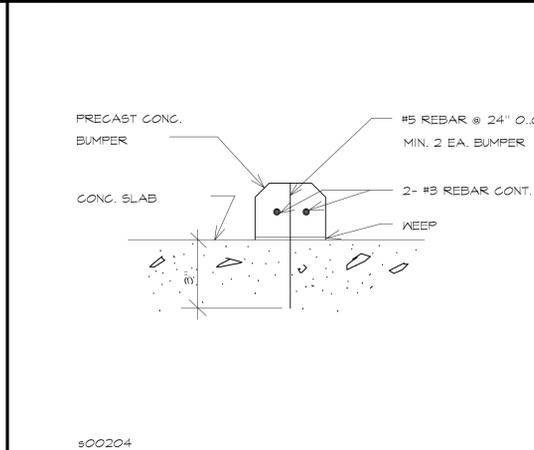
14 NON-RATED PARTITION 1 1/2"=1'-0"



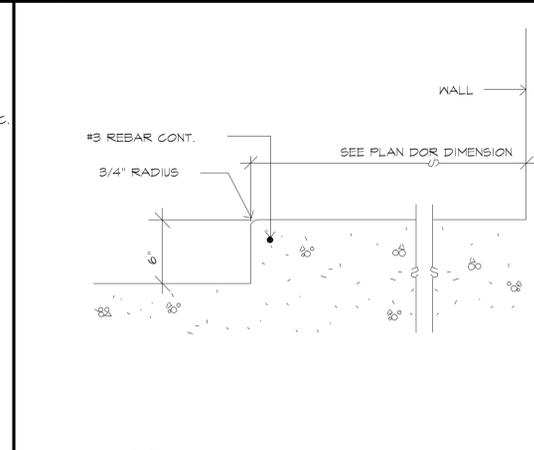
15 JAMB @ DOOR/WINDOW 3"=1'-0"



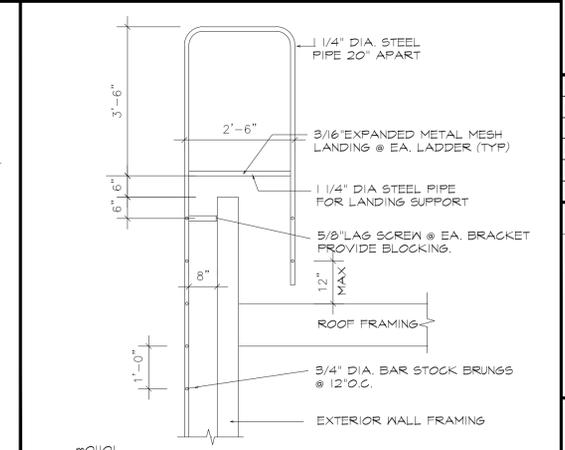
17 ACOUSTICAL CEILING GRID 3"=1'-0"



18 CONC. WHEEL STOP 1"=1'-0"



19 INTEGRAL WHEEL STOP 1 1/2"=1'-0"



20 LADDER DETAIL 1/2"=1'-0"

REVISIONS

DATE	REVISION

DEVELOPER: CALIFORNIA LIBERTY INVESTMENTS
537 CERES AVE
LOS ANGELES, CA 90013

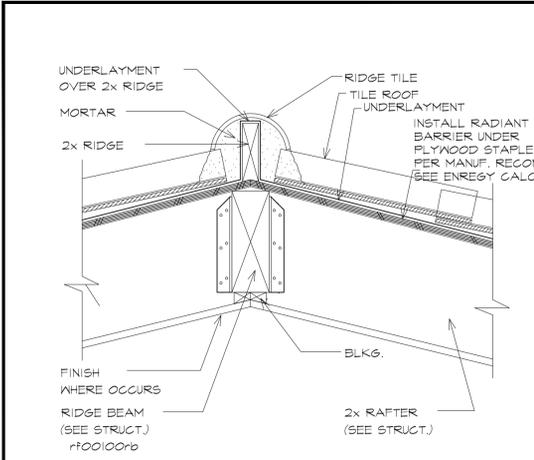
PROJECT: FOOTHILL RANCHO PLAZA
NEW SHOPPING CENTER
9608 FOOTHILL BLVD
RANCHO CUCAMONGA, CA

GEORGE BEHNAM ARCHITECT
1150 E. ORANGEBOULE # 109
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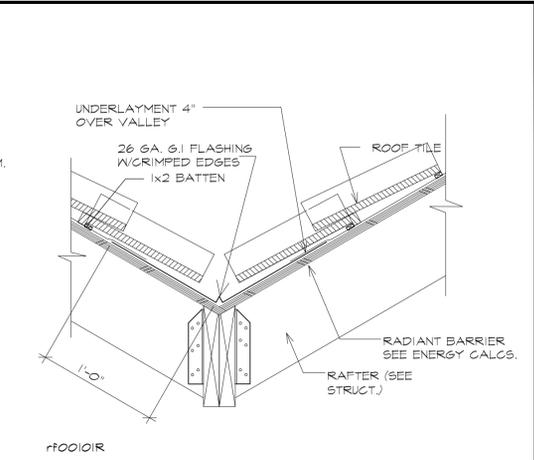
PROJECT NO: 120102
CAD DWG FILE: G-11
DRAWN BY: M.M.
CHECKED BY: G.B.
DRAWING SCALE: NOTED
DATE: 04-04-12

SHEET TITLE: ARCHITECT. DETAILS

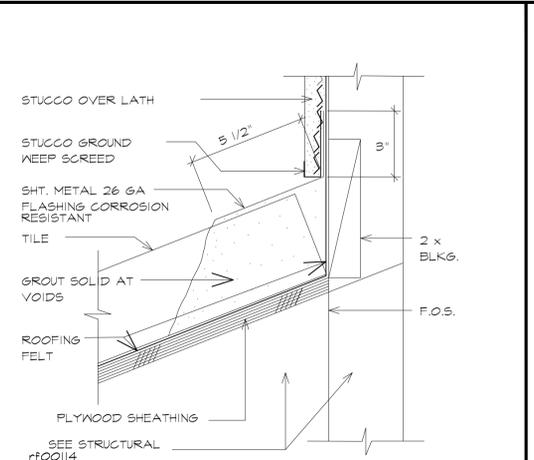
SHEET AD-1
23 OF 25



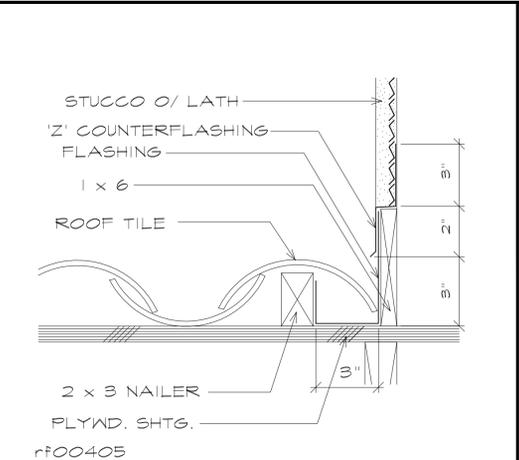
1 ROOF RIDGE FOR S TILE 1 1/2"=1'-0"



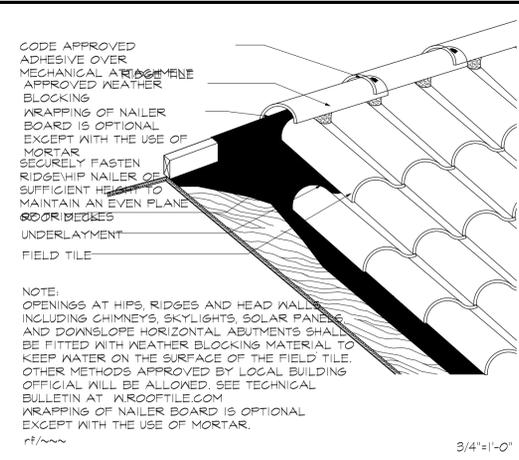
2 VALLEY 1 1/2"=1'-0"



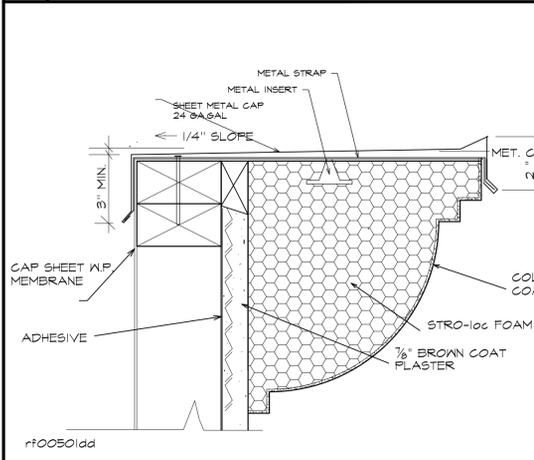
3 TILE TO WALL 3"=1'-0"



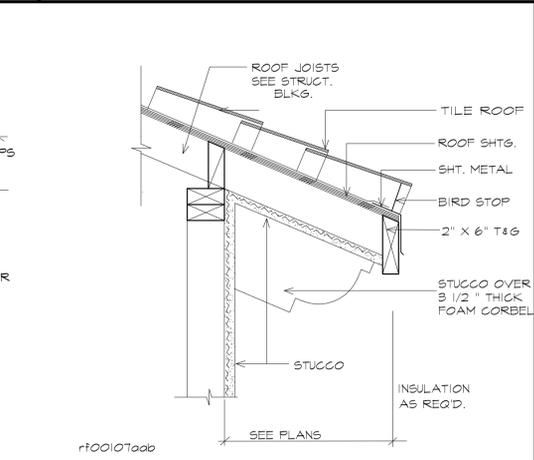
4 FLASHING DETAIL AT WALL FOR S TYPE 3"=1'-0"



5 RIDGE DETAIL - LOW AND HIGH PROFILE 3/4"=1'-0"



6 SHEET MET. CAP 3"=1'-0"



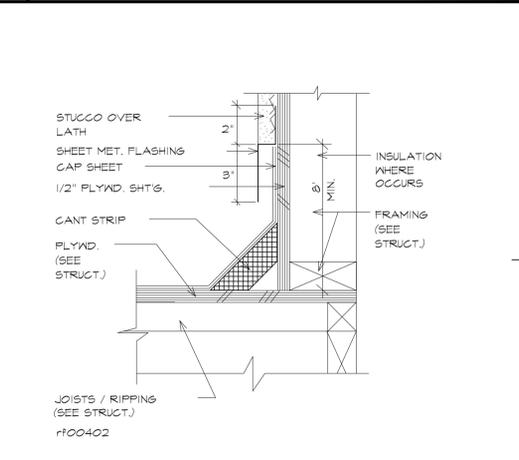
7 EAVE DETAIL 1 1/2"=1'-0"



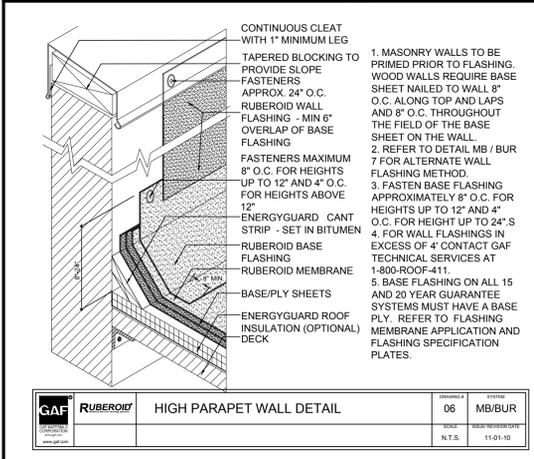
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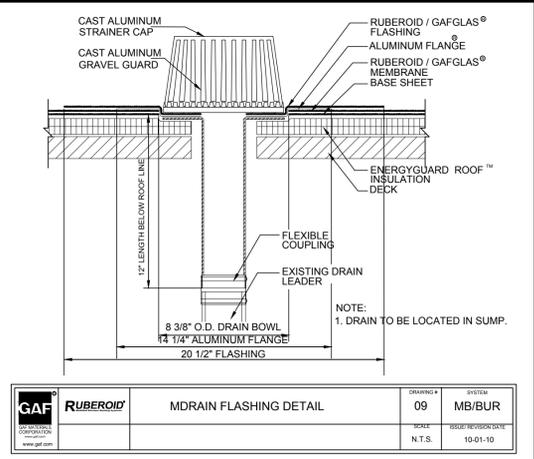
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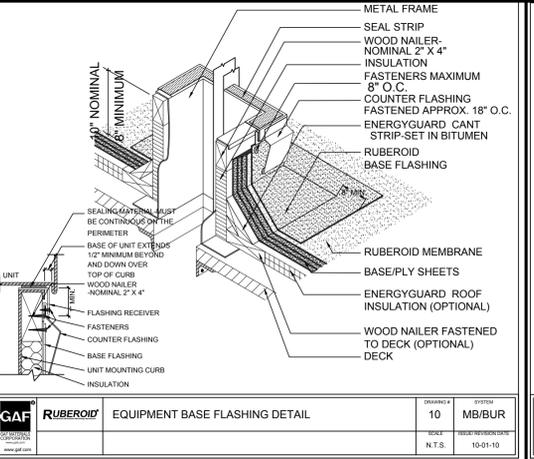
10 ROOF TO WALL FLASH. 3"=1'-0"



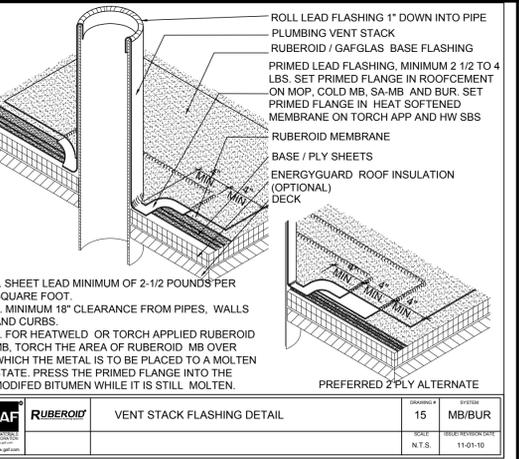
11 HIGH PARAPET WALL DETAIL 06 MB/BUR



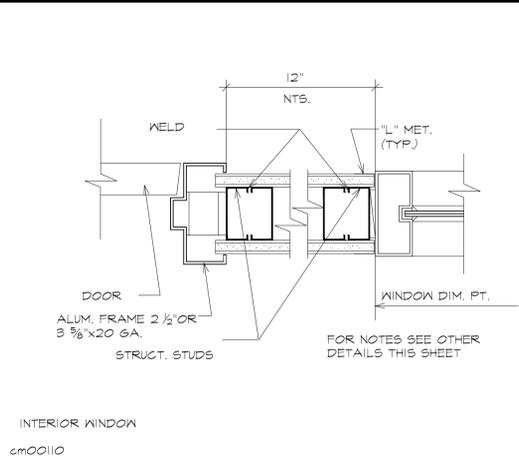
12 MIDRAIN FLASHING DETAIL 09 MB/BUR



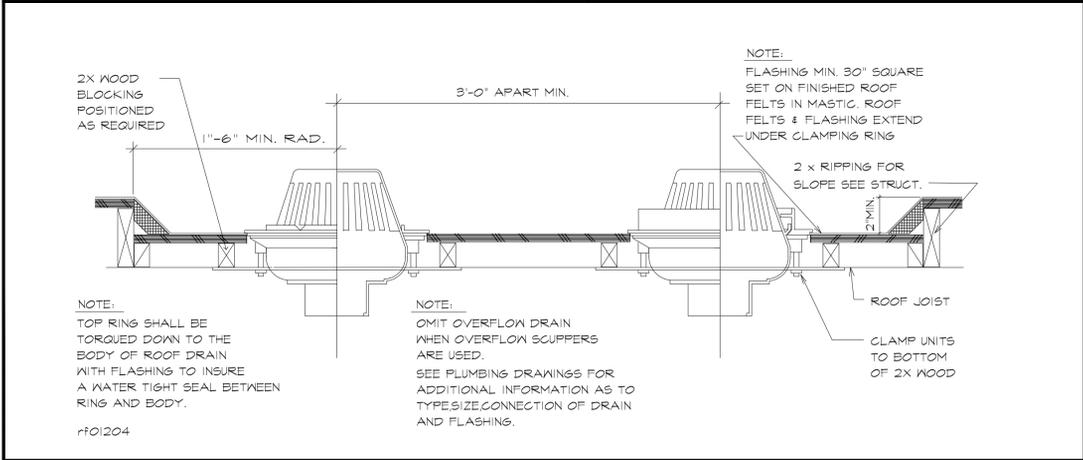
13 EQUIPMENT BASE FLASHING DETAIL 10 MB/BUR



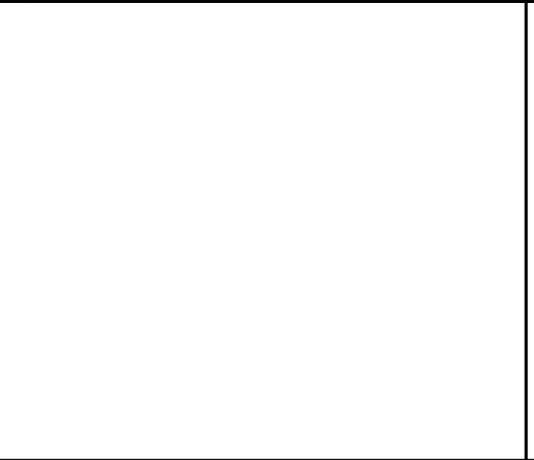
14 VENT STACK FLASHING DETAIL 15 MB/BUR



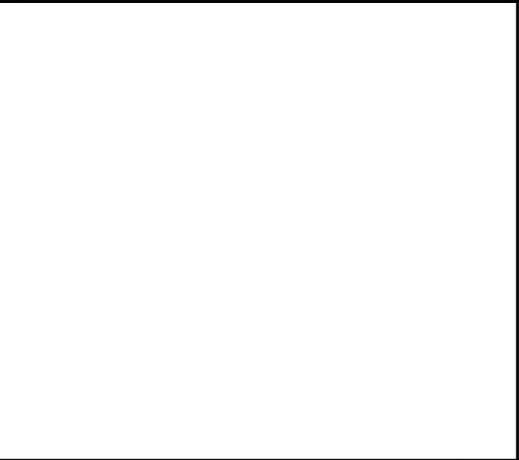
15 JAMB @ DOOR/WINDOW 3"=1'-0"



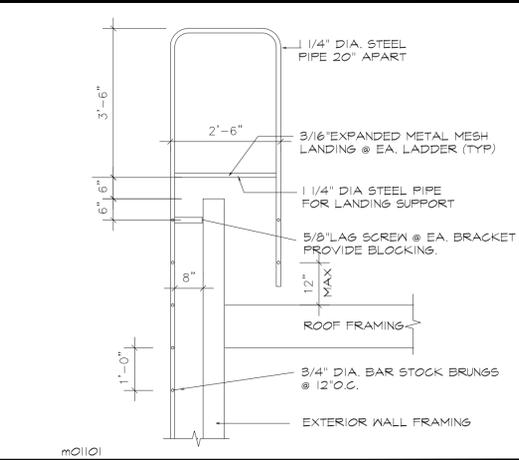
16 ROOF DRAIN/ROOF OVERFLOW DRAIN 3/4"=1'-0"



18



19



20 LADDER DETAIL 1/2"=1'-0"

REVISIONS

DATE	REVISIONS

DEVELOPER: CALIFORNIA LIBERTY INVESTMENTS
537 CERES AVE
LOS ANGELES, CA 90013

PROJECT: FOOTHILL RANCHO PLAZA
NEW SHOPPING CENTER
9606 FOOTHILL BLVD
RANCHO CUCAMONGA, CA

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PROJECT NO: 120102
CAD DWG FILE: G-11
DRAWN BY: M.M.
CHECKED BY: G.B.
DRAWING SCALE: NOTED
DATE: 04-04-12

SHEET TITLE: ARCHITEC. DETAILS

SHEET AD-2
24 OF 25

GREEN BUILDING STANDARDS NONRESIDENTIAL CHECK LIST

The California Building Standards Commission (BSC) has adopted the Green Building Standards Code which became effective January 1, 2011 and must be enforced by the local Building Official. The following mandatory requirements for commercial construction must be included on your plans. The Green Building Standards apply only to newly constructed buildings throughout California. These standards do not apply to additions, remodels, repairs or tenant improvements unless the improvement is the first within a new building. CGC 101.3.

- Projects of one acre or less the site shall be planned and developed to keep surface water away from buildings. A "SWPP" shall be provided and approved by the City Building and Safety Services Director or his designee, showing site grading and provide for storm water retention and drainage during construction. BMP's that are currently enforced by the City engineer must be implemented prior to initial inspection by the building department. CGC 5.106.3.
- Bicycle parking for projects with over 10 tenant occupants (10 employee occupants) shall comply with CGC Section 5.106.4. The specific details must be submitted and approved by the planning Department.
- Fuel-efficient vehicle parking will be provided in accordance with CGC Section 5.106.5.1. The specific details for the parking must be submitted and approved by City Planning Department.
- Exterior light pollution must comply with CGC section 5.106.8.
- Submit to the Engineering Department or other Agency that regulates construction waste management a Waste Management Plan that outlines the items listed in CGC Section 5.408.2.
- A minimum of 50% of construction waste is to be recycled. CGC 5.408.3
- 100% of trees, stumps, rocks, vegetation and associated soils primarily from the construction will be reused or recycled. CGC 5.408.4
- A building "Systems Manual" as listed in CGC Section 5.410.2.5 shall be delivered to the building owner or his representative and the facilities operator. The "Systems Manual" shall contain the required features listed in CGC Section 5.410.2.5: 1.
- During construction, ends of duct openings are to be sealed, and mechanical equipment is to be covered. CGC 5.504.3.
- VOC's must comply with the limitations listed in Section 5.504.4 and Tables 4.504.1, 5.504.4.1, 5.504.4.2, 5.504.4.3 and 5.504.4.5 for: Adhesives, Sealants, Paints and Coatings, Carpet and Composition Wood Products. CGC 5.504.4.
- Installations of HVAC, refrigeration and fire suppression systems will not contain CFC's or Halons, per CGC 5.508.1
- Prior to final approval of the building the licensed contractor, architect or engineer in responsible charge of the overall construction must complete and sign the Green Building Standards Certification form and given to the building department official to be filed with the approved plans.
- Provide calculations prepared by a licensed engineer that will show water consumption reduction of 20% below the baseline water consumption listed in 5.903.2.2. In lieu of providing the calculations, imprint on the plans Table 5.303.2.3, which lists fixtures that meet the 20% reduction. CGC 5.303.2
- Imprint on the plumbing plans Table 5.303.6 in the CGC. Waste water fixtures shall comply with the standards listed in CGC Table 5.303.6.
- Landscape irrigation water use shall have weather based controllers. CGC 5.304.3.1.

#	CODE SEC	REQUIREMENT
		PLANNING AND DESIGN
1	5.106.1	STORM WATER POLLUTION PREVENTION PLAN
2	5.106.4.1	SHORT-TERM BICYCLE PARKING
3	5.106.4.2	LONG-TERM BICYCLE PARKING
4	5.106.5.2	CLEAN AIR / VAN POOL / EV
5	5.106.5.8	LIGHT POLLUTION REDUCTION
6	5.106.10	GRADING AND PAVING

#	CODE SEC	REQUIREMENT
		WATER EFFICIENCY & CONSERVATION
7	5.303.2	20 PERCENT SAVINGS
8	5.303.4	WASTEWATER REDUCTION
9	5.303.6	PLUMBING FIXTURES AND FITTINGS
10	5.304.1	WATER BUDGET
11	5.304.2	OUTDOOR POTABLE WATER USE
12	5.304.3	IRRIGATION DESIGN
		MATERIAL CONSERVATION & RESOURCE EFFICIENCY
13	5.407.1	WEATHER PROTECTION
14	5.407.2.1	SPRINKLERS
15	5.407.2.2	ENTRIES AND OPENINGS
16	5.408.1	CONSTRUCTION WASTE MANAGEMENT
17	5.408.3	EXCAVATED SOIL AND LAND CLEARING DEBRIS
18	5.410.1	RECYCLING BY OCCUPANTS
19	5.410.2	COMMISSIONING (> 10,000 SQ FT.)
20	5.410.2.1	OWNER'S PROJECT REQUIREMENTS (OPR)
21	5.410.2.2	BASIS OF DESIGN (BOD)
22	5.410.2.3	COMMISSIONING PLAN
23	5.410.2.4	FUNCTIONAL PERFORMANCE TESTING
24	5.410.2.5.1	SYSTEMS MANUALS
25	5.410.2.5.2	SYSTEMS OPERATIONS TRAINING
26	5.410.2.6	COMMISSIONING REPORT ENVIRONMENTAL QUALITY
27	5.410.2.6	TESTING AND ADJUSTING
28	5.410.4.2	SYSTEMS
29	5.410.4.3	PROCEDURES
30	5.410.4.3.1	HVAC BALANCING
31	5.410.4.4	REPORTING
32	5.410.4.5	OPERATION AND MAINTENANCE MANUAL

#	CODE SEC	REQUIREMENT
		ENVIRONMENTAL QUALITY
33	5.504.3	COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION
34	5.504.4	FINISH MATERIAL POLLUTANT CONTROL
35	5.504.4.1	ADHESIVES, SEALANTS AND CAULKS
36	5.504.4.2	PAINTS AND COATINGS
37	5.504.4.3.1	AEROSOL PAINTS AND COATINGS
38	5.504.4.3.2	VERIFICATION
39	5.504.4.4	CARPET SYSTEMS
40	5.504.4.4.1	CARPET CUSHION
41	5.504.4.5	COMPOSITE WOOD PRODUCTS
42	5.504.4.6	RESILIENT FLOORING SYSTEMS
43	5.504.5.3	FILTERS
44	5.505.1	INDOOR MOISTURE CONTROL
45	5.506.2	CARBON DIOXIDE (CO2) MONITORING
46	5.507.4	ACOUSTICAL CONTROL
47	5.507.4.1	EXTERIOR NOISE TRANSMISSION
48	5.507.4.1.1	NOISE EXPOSURE
49	5.507.4.2	PERFORMANCE METHOD
50	5.507.4.2.2	DOCUMENTATION OF COMPLIANCE
51	5.508.1	OZONE DEPLETION AND GLOBAL WARMING REDUCTIONS
52	5.508.1.1	CFCs
53	5.508.1.2	HALONS

COMPLIANCE DOCUMENTS:

- STORM WATER POLLUTION PREVENTION PLAN SEE CIVIL DRAWINGS
- SHORT TERM PARKING 5% OF 53 SPACE= 2.5 PROVIDE THREE BICYCLE RACKS LONG TERM BICYCLE PARKING 5% OF 53 SPACE= 2.5 PROVIDE THREE LOCKABLE BICYCLE RACKS
- CLEAN AIR / VAN POOL PROVIDE 6 STALLS WITH THE MARKING "CLEAN AIR/VANPOOL/ EV" TOWARD THE BACK OF THE STALL, SIMILAR TO AN ACCESSIBLE SYMBOL. WRITING CAN BE SEEN WHEN A CLEAN AIR VEHICLE IS PARKED. LETTERING SHOULD BE AT LEAST 8 INCHES HIGH.
- LIGHT POLLUTION REDUCTION SEE ELECTRICAL DRAWINGS
- GRADING AND PAVING SEE CIVIL DRAWINGS
- 20 % SAVING / SEE PLUMBING DRAWINGS
- WASTEWATER REDUCTION / SEE PLUMBING DRAWINGS
- PLUMBING FIXTURES AND FITTINGS / SEE PLUMBING DRAWINGS
- WATER BUDGET / SEE PLUMBING DRAWINGS
- OUTDOOR POTABLE WATER USE / SEE LANDSCAPE DRAWINGS
- IRRIGATION DESIGN / SEE LANDSCAPE DRAWINGS
- WEATHER PROTECTION / SEE EXTERIOR WALL FINISHES
- SPRINKLERS SPRINKLER HEADS ADJACENT TO OR NEAR EXTERIOR WALLS TO HAVE A MAXIMUM DEGREE OF HEAD ROTATION OR SPRAY PATTERN THAT ENSURES PROTECTION OF THE BUILDING EXTERIOR.
- ENTRIES AND OPENINGS FLASHINGS INTEGRATED WITH A DRAINAGE PLANE. NON-ABSORBENT FLOORING MATERIAL AT THE INTERIOR LANDING SURFACE. A MINIMUM OF TWO FEET IN THE DIRECTION OF TRAVEL AND AT WALL FINISHES ADJACENT TO THE DOOR OPENING ON THE SIDES AND AT THE TOP.
- CONSTRUCTION WASTE MANAGEMENT 1. COMPLY WITH THE MORE STRINGENT REQUIREMENT AND FILL THE ATTACHED WORKSHEET 2. DETERMINE WHAT LOCAL HAULING AND RECYCLING FACILITIES ARE AVAILABLE IN THE AREA TO ESTABLISH THE MOST ECONOMICALLY FEASIBLE OPTION FOR RECYCLE AND/OR SALVAGE OF CONSTRUCTION DEBRIS. IF THERE IS NO FACILITIES IN YOUR AREA, USE EXCEPTION 2 WORK WITH THE LOCAL ENFORCING AGENCY TO ESTABLISH AN ACCEPTABLE ALTERNATE 3. IF APPLICABLE TO THE PROJECT, E.G., WHERE WALLS ARE FRAMED OFF-SITE OR PANELIZED WALL SYSTEMS ARE EMPLOYED THAT REDUCE SITE WASTE SIGNIFICANTLY, THE WASTE STREAM ALTERNATIVE MAY BE APPROPRIATE. DOCUMENT THE WEIGHT OF TOTAL WASTE COMPARED TO THE BUILDING AREA WHICH MAY CONSIDERED THE GROSS SQUARE FOOTAGE OF EACH FLOOR AND THE ROOF AS APPROVED BY THE ENFORCING AGENCY. 4. INCLUDE FOR RECYCLING THE FOLLOWING MATERIALS: CARPET, WOOD, AGGREGATE, PAINT, SHINGLES, WALLBOARD OR ANY OTHER MATERIALS THAT HAVE RECYCLABLE VALUE. FOR MORE INFORMATION ON VARIOUS MATERIALS VISIT THE C&D PUBLICATIONS LINK ON THE CALRECYCLE WEBSITE, THE CONSTRUCTION WASTE MANAGEMENT (CWM) WORKSHEET PROVIDED, OR AS REQUIRED BY LOCAL ORDINANCE.
- EXCAVATED AND LAND CLEARING DEBRIS [BSC] 1. DETERMINE IF A LOCAL CONSTRUCTION ORDINANCE IS IN PLACE IN YOUR JURISDICTION AND COMPLY WITH THE MORE STRINGENT REQUIREMENT OR AS ACCEPTED BY THE LOCAL ENFORCING AGENCY. 2. LOOK FOR LOCAL MARKETS AND SALVAGE OPPORTUNITY FOR RE-USE OF CLEARING DEBRIS.
- RECYCLING BY OCCUPANTS 1. DETERMINE IF A LOCAL RECYCLING ORDINANCE IS IN PLACE IN YOUR JURISDICTION AND COMPLY. IF NO ORDINANCE, THEN USE THE MODEL RECYCLING ORDINANCE. 2. SHOW ON THE PLANS (SITE AND/OR FLOOR PLANS) READILY ACCESSIBLE AREAS AND SIGNAGE FOR THOSE AREAS THAT SERVE THE ENTIRE BUILDING FOR RECYCLING OF NON-HAZARDOUS MATERIALS BY OCCUPANTS. 3. IN ACCORDANCE WITH THE MODEL ORDINANCE, RECYCLING AREAS SHALL BE SECURE; BE PROTECTED FROM THE ELEMENTS, SUCH AS RAIN; AND BE ADEQUATELY SEPARATED FROM OCCUPIED SPACES FOR PROTECTION AGAINST IMPACTS SUCH AS NOISE, ODOR AND PESTS. 4. WHERE FEASIBLE, RECYCLING AREAS SHOULD BE LOCATED ADJACENT TO SOLID WASTE COLLECTION AREAS.
- COMMISSIONING 5.410.2 TO 5.410.4.5 SEE MECHANICAL DRAWINGS
- TEMPORARY VENTILATION THE PERMANENT HVAC SYSTEM SHALL ONLY BE USED DURING CONSTRUCTION IF NECESSARY TO CONDITION THE BUILDING WITHIN THE REQUIRED TEMPERATURE RANGE FOR MATERIAL AND EQUIPMENT INSTALLATION. IF THE HVAC SYSTEM IS USED DURING CONSTRUCTION, USE RETURN AIR FILTERS WITH A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 8, BASED ON ASHRAE 52.2 1999, OR AN AVERAGE EFFICIENCY OF 30% BASED ON ASHRAE 52.1 1992. REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY.
- COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION. AT THE TIME OF ROUGH INSTALLATION AND DURING STORAGE ON THE ONSTRUCTION SITE UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEETMETAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST, WATER AND DEBRIS WHICH MAY ENTER THE SYSTEM.
- FINISH MATERIAL POLLUTANT CONTROL INCLUDE THE MEASURES INTENDED TO PROMOTE AIR QUALITY IN THE PROJECT SPECIFICATIONS FOR VENTILATION, MATERIALS AND OTHERS AS APPLICABLE. THE CONTRACTOR SHOULD BE RESPONSIBLE FOR EMPLOYING THEM ON THE JOB AND BEING ABLE TO DEMONSTRATE THAT THE PRACTICES ARE BEING FOLLOWED IF REQUESTED BY THE ENFORCING AGENCY. SPECIFY LEVELS OF FORMALDEHYDE IN COMPOSITE WOOD PRODUCTS ON THE PLANS OR IN THE PROJECT SPECIFICATIONS THAT SHOW EARLIER DATES THAN THAT THOSE IN TABLE AS-504.8.5. SPECIFY FINISH MATERIALS THAT MEET THE LIMITS OF VOC CRITERIA AS TESTED BY THE LISTED ORGANIZATIONS. SUBSTITUTES MAY BE APPROVED BY THE LOCAL ENFORCING AUTHORITY IF IT DEEMS EQUIVALENT. SPECIFY ENTRANCE MATS THAT ARE PERMANENTLY FIXED AND CLEANABLE FROM DEBRIS. THE SPECIFICATIONS SHOULD INCLUDE A MAINTENANCE SCHEDULE TO BE FOLLOWED AFTER CERTIFICATION OF OCCUPANCY. ROLL OUT MATS ARE NOT RECOMMENDED. USUALLY NOT CONSIDERED CONTRACT FURNISHINGS AND WITH MAINTENANCE AN UNCERTAIN PROSPECT. IF SPECIFIED, HOWEVER, RECOMMEND A MAINTENANCE SCHEDULE TO BE FOLLOWED AFTER OCCUPANCY.

STORM WATER POLLUTION CONTROL

The following notes shall be incorporated in the approved set of construction/grading plans and represents the minimum standards of good housekeeping which must be implemented on all construction projects.

Construction means constructing, clearing, grading or excavation that result in soil disturbance. Construction includes structure teardown (demolition). It does not include routine maintenance to maintain original line and grade, hydraulic capacity, or original purpose of facility- emergency construction activities required to immediately protect public health and safety- interior remodeling with no outside exposure of construction material or construction waste to storm water- mechanical permit work- or sign permit work. (Order No. 01-182, NPDES Permit No. CA580400 I-Part 5: Definitions)

- Eroded sediments and pollutants shall be retained on site and shall not be transported from the site via sheet flow, swales, area drains, natural drainage or wind.
- Stockpiles of earth and other construction-related materials shall be covered and/or protected from being transported from the site by wind or water.
- Fuels, oils, solvents and other toxic materials must be stored in accordance with their listing and shall not contaminate the soil nor the surface waters. All approved toxic storage containers are to be protected from the weather. Spills must be cleaned up immediately and disposed of properly and shall not be washed into the drainage system.
- Non-storm water runoff from equipment and vehicle washing and any other activity shall be contained on the project site.

- Excess or waste concrete may not be washed into the public way or any drainage system. Provisions shall be made to retain concrete wash on-site until it can be appropriately disposed of or recycled.
- Trash and construction-related solid wastes must be deposited into a covered receptacle to prevent contamination of storm water and dispersal by wind.
- Sediments and other materials shall not be tracked from the site by vehicle traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the street/public ways. Accidental depositions must be swept up immediately and may not be washed down by rain or by any other means.
- Retention basins of sufficient size shall be provided to retain storm water runoff on-site and shall be properly located to collect all tributary site runoff.
- Where retention of storm water runoff on-site is not feasible due to site constraints, runoff may be conveyed to the street and the storm drain system provided that an approved filtering system is installed and maintained on-site during the construction duration.

TABLE 5.303.2.2 FIXTURE FLOW RATES

FIXTURE TYPE	FLOW RATE	MAXIMUM FLOW RATE AT 20 percent REDUCTION
Showerheads	2.5 gpm @ 80 psi	2 gpm @ 80 psi
Lavatory faucets--nonresidential	0.5 gpm @ 60 psi	0.4 gpm @ 60 psi
Kitchen faucets	2.2 gpm @ 60 psi	1.8 gpm @ 60 psi
Wash fountains	2.2 [rim space (in./20 gpm @ 60 psi)]	1.8 [rim space (in./20 gpm @ 60 psi)]
Metering faucets	0.25 gallons/cycle	0.2 gallons/cycle
Metering faucets for wash fountains	.25 [rim space (in./20 gpm @ 60 psi)]	.20 [rim space (in./20 gpm @ 60 psi)]
Gravity tank type water closets	1.6 gallons/flush	1.28 gallons/flush ¹
Flushometer tank water closets	1.6 gallons/flush	1.28 gallons/flush ¹
Flushometer valve water closets	1.6 gallons/flush	1.28 gallons/flush ¹
Electromechanical hydraulic water closets	1.6 gallons/flush	1.28 gallons/flush ¹
Urinals	1.0 gallons/flush	.5 gallons/flush

1. Includes single and dual flush water closets with an effective flush of 1.28 gallons or less.
Single flush toilets--The effective flush volume shall not exceed 1.28 gallons (4.8 liters). The effective flush volume is the average flush volume when tested in accordance with ASME A 112.19.23.2.
Dual flush toilets--The effective flush volume shall not exceed 1.28 gallons (4.8 liters). The effective flush volume is defined as the composite, average flush volume of two reduced flushes and one full flush. Flush volumes will be tested in accordance with ASME A 112.19.23.2 and ASME A 112.19.14.

TABLE 5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FIXTURE FITTINGS

REQUIRED STANDARDS	ADHESIVE VOC LIMIT ^{1,2}	
Water closets (toilets) - flushometer valve type single flush, maximum flush volume	ASME A 112.19.2/CSA B45.1 - 1.28 gal (4.8 L)	50
Water closets (toilets) - flushometer valve type dual flush, maximum flush volume	ASME A 112.19.14 and USPA WaterSense Tank-Type High-Efficiency Toilet Specification - 1.28 gal (4.8 L)	100
Water closets (toilets) - tank-type	U.S. EPA WaterSense Tank-Type High-Efficiency Toilet Specification	65
Urinals, maximum flush volume	ASME A 112.19.2/CSA B45.1 - 0.5 gal (1.9 L)	50
Urinals, sewerwater urinals	ASME A 112.19.19 (vitreous china) ANSI Z124.9-2004 or IAPMO Z124.9 (plastic)	250
Public lavatory faucets: Maximum flow rate - 0.5 gpm (1.9 L/min)	ASME A 112.18.1/CSA B125.1	50
Public meeting self-closing faucets: Maximum water use - 0.25 gal (1.0 L) per meeting cycle	ASME A 112.18.1/CSA B125.1	50
Residential bathroom lavatory sink faucets: Maximum flow rate - 1.5 gpm (5.7 L/min)	ASME A 112.18.1/CSA B125.1	50

TABLE 5.504.4.2 SEALANT VOC LIMIT

SEALANTS	CURRENT VOC LIMIT
Architectural	250
Marine deck	760
Nonmembrane roof	300
Roadway	250
Single-ply roof membrane	450
Other	420

TABLE 5.504.4.3 SEALANT PRIMERS

SEALANT PRIMERS	CURRENT VOC LIMIT
Architectural	250
Nonaqueous	775
Marine deck	500
Modified bituminous	760
Other	750

Note: For additional information regarding methods to measure the VOC content specified in these tables, see South Coast Air Quality Management District Rule 1168.

TABLE 5.504.4.3 VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS^{1,2}

COATING CATEGORY	EFFECTIVE 1/1/2010	EFFECTIVE 1/1/2012
Flat coatings	50	50
Nonflat coatings	100	100
Nonflat, high solids coatings	150	150
Specialty Coatings	400	400
Aluminum roof coatings	450	450
Basement specialty coatings	400	400
Bituminous roof coatings	50	50
Bituminous roof primers	350	350
Block sealers	350	350
Concrete curing compounds	350	350
Construction safety sealers	100	100
Driveway sealers	50	50
Dry fog coatings	150	150
Faux finishing coatings	350	350
Film reticulate coatings	350	350
Floor coatings	100	100
Form-release compounds	250	250
Graphic arts coatings (sign paints)	500	500
High-temperature coatings	420	420
Industrial maintenance coatings	250	250
Low solids coatings ³	120	120
Magnesium cement coatings	450	450
Mastic texture coatings	100	100
Metallic pigmented coatings	500	500
Multicolor coatings	250	250
Paints, sealers and undercoats	420	420
Primer, sealer and undercoat	100	100
Protective penetrating sealers	350	350
Recycled coatings	250	250
Roof coatings	50	50
Rust preventative coatings	400	250
Shellac:		
Clear	790	790
Opaque	550	550
Specialty primers, sealers and undercoats	350	100
Stains	250	250
Stone consolidants	450	450
Swimming pool coatings	340	340
Traffic marking coatings	100	100
Tile and tile refinish coatings	400	400
Waterproofing membranes	250	250
Wood coatings	275	275
Wood preservatives	350	350
Zinc-rich primers	340	340

- Grams of VOC per liter of coating, including water and including exempt compounds.
- The specified limits remain in effect unless revised limits are listed in subsequent columns in the table.
- Values in this table are derived from those specified by the California Air Resources Board, Architectural Coatings Suggested Control Measure, February 1, 2008. More information is available from the Air Resources Board.

TABLE 5.504.4.5 FORMALDEHYDE LIMITS¹

PRODUCT	CURRENT LIMIT	JAN 1, 2012	JUL 1, 2012
Hardwood plywood veneer core	0.05		
Hardwood plywood composite core	0.08		0.05
Particle board	0.09		
Medium density fiberboard	0.11		
This medium density fiberboard ²	0.21	0.13	

- Values in this table are derived from those specified by the California Air Resources Board, Air Toxics Control Measure for Composite Wood as tested in accordance with ASTM E 1333-96(2002). For additional information, see California Code of Regulations, Title 17, Sections 93120 through 93120.12.
- This medium density fiberboard has a maximum thickness of eight millimeters.

TABLE 5.504.4.1 ADHESIVE VOC LIMIT^{1,2}

ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
Indoor carpet adhesives	50
Carpet pad adhesives	50
Onion-carpet adhesive	150
Wood flooring adhesive	100
Rubber floor adhesives	60
Sandbar adhesives	50
Ceramic tile adhesives	65
VCT and seahall tile adhesives	50
Drywall and panel adhesives	50
Cove base adhesives	50
Multipurpose construction adhesives	70
Structural glazing adhesives	100
Single-ply roof membrane adhesives	250
Other adhesives not specifically listed	50

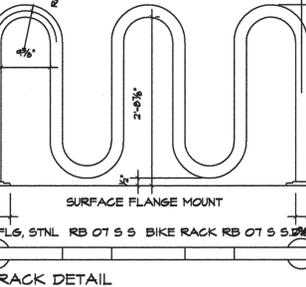
SPECIALTY APPLICATIONS

PVC welding	510
CPVC welding	450
ABS welding	325
Plastic cement welds	250
Adhesive primers for plastic	50
Contact adhesive	80
Special purpose contact adhesive	250
Structural wood member adhesive	140
Tile and trim adhesive	250

SUBSTRATE SPECIFIC APPLICATIONS

Metal to metal	30
Plastic to plastic	50
Porous material (except wood)	50
Wood	30
Fiberglass	80

- If an adhesive is used to bond dissimilar substrates together the adhesive with the highest VOC content shall be allowed.
- For additional information regarding methods to measure the VOC content specified in this table, see South Coast Air Quality Management District Rule 1168. <http://www.aqmd.gov/DIR/REG/C001/REG1168.PDF>



VOC CONTENT VERIFICATION CHECKLIST

VOC content verification of paints, coatings, carpets, cushions, resilient flooring, adhesives, sealants, and caulks. Attach product specification sheets and other supporting documents. Use additional sheets if necessary.

Item #	Product Category (e.g. paint, carpet, adhesive)	Product Manufacturer	Product Specification (e.g. model #)	VOC Content (in grams/liter) or Standard (e.g. Green Label Plus)	Allowable VOC Content (in grams/liter)
1	PAINT NON-FLAT	DUNN-EDWARDS	ENS050 SEMI GLOSS	0	50
2	PAINT FLAT	DUNN-EDWARDS	ECH030 EGGSHELL	0	100
3	PRIMER	DUNN-EDWARDS	ENS000	0	100
4	PRIMER	DUNN-EDWARDS	ENS000	0	100
5	WOOD FLOOR'S ADHESIVE	BOSTIK	VABOR-LOCK	0	100
6	WOOD FLOOR'S ADHESIVE	BOSTIK	BEST	85	100
7	CERAMIC WALL/FLOOR ADHESIVE	DUPONT	ENVIROBOND	63	