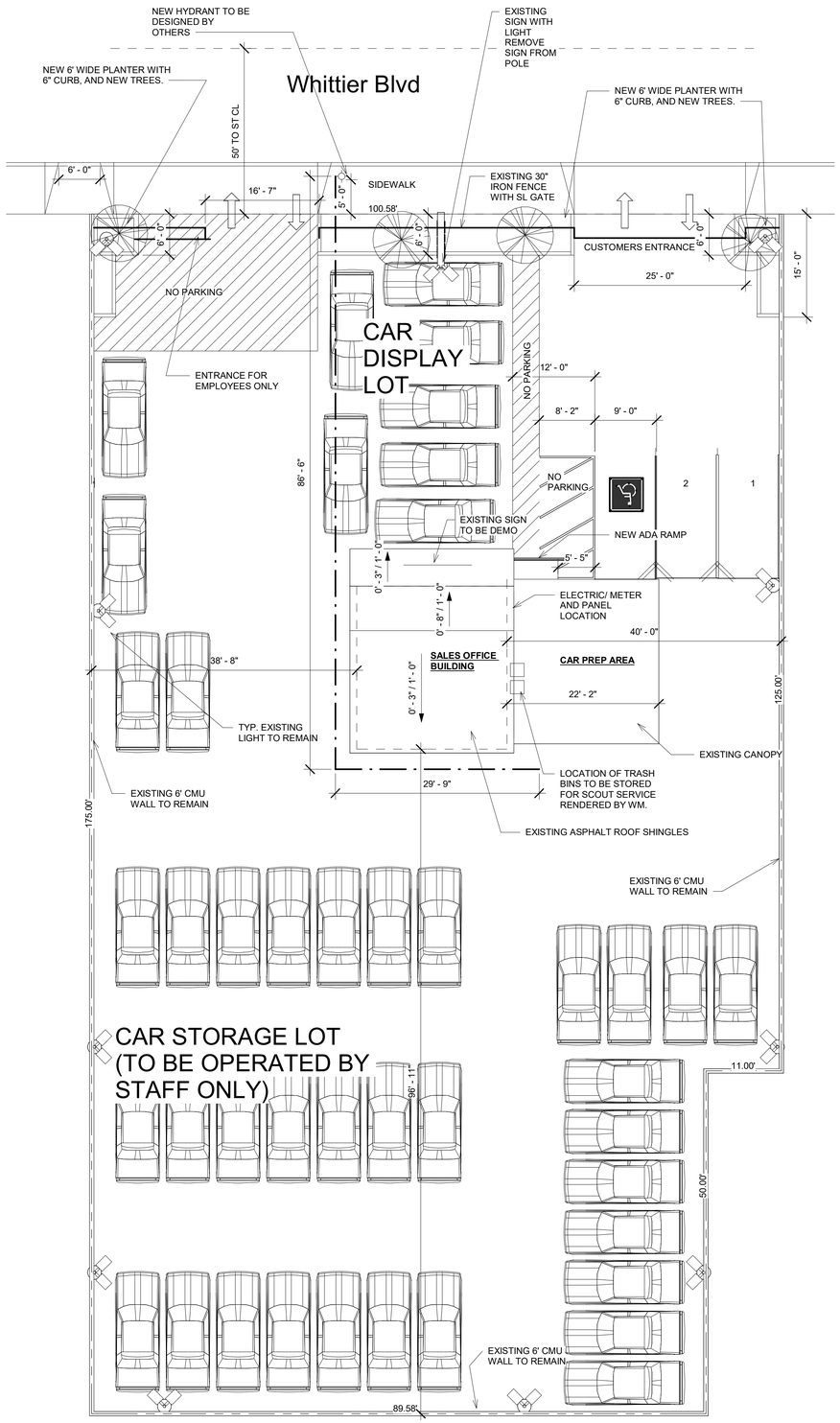


1 SITE PLAN
1" = 10'-0"

PROP. STAT.:

OCCUPANCY : B
APN : 017-033-22
LEGAL DESCRIPTION: A TR LOWELL TR BLK B LOT
ZONING: C2
TAX LOT AREA: 17,058 SF
NO. OF STORIES: STORY
EXISTING IMPROVEMENT BUILDING: 507 SF
EXISTING CANOPY: 528 SF
NEW EXTENSION OF CONOPY: 288 SF
TOTAL LOT COVERAGE: 7.7 %

CONSTRUCTION TYPE: VB NONE SPRINKLERED

NEW CONSTRUCTION:

SCOPE OF WORK:
TO RE-OCCUPAY AN EXISTING AND PREVIOUSLY PERMITTED CAR DEALERSHIP UNDER A NEW OWNERSHIP
THE DEALERSHIP WILL BE SELLING A USED PASSENGER CARS.
NEW ACCESSIBILITY RESTROOM

PARKING ANALYSIS:Table 18.14.060.B.5
2.7 per ksf GFA interior sales and office area, plus 1.5 ksf GFA storage/display area, plus 2 per service bay

BUILDING SALES AND OFFICE AREA: 507 SF THUS 0.5 X 2.7= 1.35 PARKING STALLS
CAR DISPLAY AREA: NONE
CAR STORAGE AREA : NONE

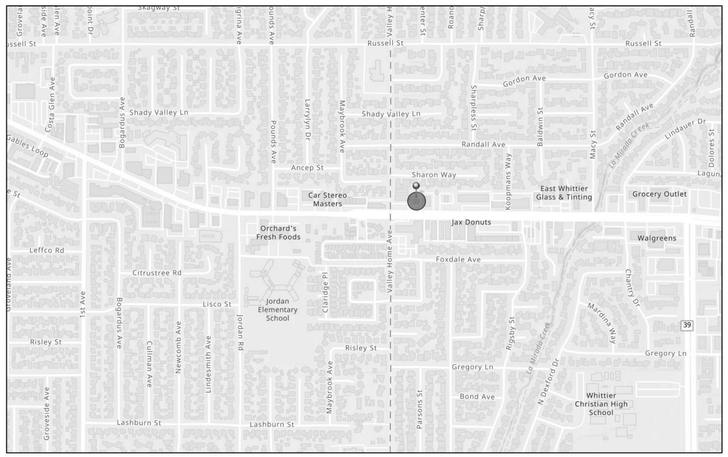
TOTAL PARKING REQUIRED 2
TOTAL PARKING PROVIDED 3 PARKING

Sheet List	
Sheet Number	Sheet Name
GN-1	GENERAL NOTE
GN-2	GENERAL NOTE CONT.
GB-1	GREEN BUILDING STANDEREDS
GB-2	GREEN BUILDING STANDARDS
GB-3	GREEN BUILDING STANDEREDS
A-1.0	DEMO & EXISTING PLAN
A-1.1	DEMO ELEVATIONS
A-2.1	NEW 1ST FLOOR PLANS
A-3	ELEVATIONS
A-4	SECTIONS
A-5	ACCESSIBILITY DETAILS
D-1	DETAILS

LICENSED ARCHITECT
MUSTAFA BOZAWI
No. C33953
EXP. DATE 08/31/2025
STATE OF CALIFORNIA

MUSTAFA BOZAWI, ARCHITECT
8/21/2023 8:46:12 PM

Vicinity Map



1:9,028
0 0.05 0.1 0.2 mi
0 0.1 0.2 0.4 km

Dapper Car Sales Inc. Rep:/ Dmitri Stepanov

Dapper Car Sales

2601 West Whittier Boulevard La Habra Ca

Title Sheet

Scale 1" = 10'-0"

Project number	
Date	
Drawn by	Author
Checked by	Checker

No.	Description	Date

INC, ARCHITECT AND ASSOCIATES
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T-1

GENERAL NOTES
INTENT OF DOCUMENTS

THESE DRAWINGS AND SPECIFICATIONS HAVE BEEN PREPARED IN A MANNER CONSISTENT WITH INDUSTRY STANDARDS OF QUALITY. THEY ARE DIAGRAMMATIC AND INTENDED TO SHOW DESIGN INTENT, TYPE OF CONSTRUCTION AND EXTENT OF WORK. THESE DOCUMENTS REFLECT THE OVERALL REQUIREMENTS OF THIS PROJECT NECESSARY TO COMPLETE THE WORK SPECIFIED. ALL MATERIAL SELECTIONS, SPECIFICATIONS AND FINISH DETAILS ARE NOT SHOWN. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO FURNISH AND INSTALL ALL ITEMS AND TO DEVELOP OMITTED DETAILS REQUIRED TO MAKE THE SYSTEM COMPLETE. ALL SUB CONTRACTOR QUESTIONS SHALL BE DIRECTED TO THE GENERAL CONTRACTOR, AND NO WORK SHALL COMMENCE UNTIL QUESTIONS AND DISCREPANCIES HAVE BEEN ANSWERED AND/OR RESOLVED.

IT IS THE INTENT OF THESE CONTRACT DOCUMENTS TO DEFINE A COMPLETE FINISHED FACILITY. ANY MATERIAL, SYSTEM, EQUIPMENTS OR ASSEMBLY WHICH NORMALLY WOULD BE REQUIRED SHALL BE PROVIDED AS IF SPECIFICALLY NOTED. IT THE ISSING ITEM.

GENERAL REQUIREMENTS

THESE DRAWINGS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS.

ON SITE VERIFICATION OF ALL DIMENSIONS AND CONDITIONS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. NOTED DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE.

THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS. THE WORK OF THIS PROJECT SHALL COMPLY IN ALL RESPECTS WITH APPLICABLE FEDERAL, STATE, COUNTY AND/OR CITY REGULATIONS, LAWS AND CODES.

NO WORK SHALL COMMENCE UNTIL THE GENERAL CONTRACTOR HAS PROVIDED THE OWNER, AND LOCAL AUTHORITIES, AS REQUIRED, WITH A CERTIFICATE OF INSURANCE. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO OBTAIN ALL REQUIREMENTS FOR INSURANCE.

ALL REQUIRED PERMITS AND LICENSES SHALL BE OBTAINED AND PAID FOR PRIOR TO BEGINNING CONSTRUCTION.

ALL CONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH ACT" (OSHA) AND ALL OTHER LOCAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION.

THE GENERAL CONTRACTOR SHALL PROVIDE ON-SITE SUPERVISION WITH LAND PHONE AND FAX SERVICES FOR THE DURATION OF THIS PROJECT. IT SHALL BE THE RESPONSIBILITY OF EACH TRADE TO CLEAN UP THEIR MATERIAL DEBRIS AT THE END OF EACH DAY.

ON SITE VERIFICATION OF ALL DIMENSIONS AND CONDITIONS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. NOTE DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, AND TO PROTECT THEM FROM DAMAGE, THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT IN CONJUNCTION WITH THE EXECUTION OF THIS WORK.

THE PROPERTY OWNER SHALL BE NOTIFIED IMMEDIATELY BY THE CONTRACTOR, SHOULD ANY DISCREPANCIES OR OTHER QUESTIONS ARISE PERTAINING TO THE WORKING DRAWINGS DURING CONSTRUCTION OR BIDDING.

CONTRACTOR SHALL VERIFY ALL SETBACKS PRIOR TO CONSTRUCTION. IF THERE IS A DISCREPANCY WITH THE SETBACKS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE PROPERTY OWNER AND DESIGNER PRIOR TO CONSTRUCTION.

THE CONTRACTOR IS TO GRADE ANY AREAS WHERE THE ADDITION ALTERS THE DRAINAGE.

PROVIDE SLOPE AWAY FROM STRUCTURES AND DRAIN TO STREET OR AN APPROVED STORM DRAIN.

IT SHALL BE THE GENERAL CONTRACTORS RESPONSIBILITY TO INSURE A CLEAN AND ORDERLY JOB SITE AT THE END OF EACH WORKDAY, AND ALSO INSURE A SAFE JOBSITE THROUGHOUT THE COURSE OF THE WORKDAY.

ALL MATERIAL SPECIFICATIONS AND SUPPLIES INDICATED HERE IN MAY BE SUBSTITUTED WITH AN APPROVED EQUAL UNLESS NOTED OTHERWISE AND ONLY AFTER THE APPROVAL OF THE ARCHITECT AND OWNER.

PRIOR TO CONSTRUCTION, GENERAL CONTRACTOR SHALL PROVIDE THE OWNER WITH A CONSTRUCTION SCHEDULE FOR THE DURATION OF THE PROJECT AND SHALL BE RESPONSIBLE FOR MAINTAINING SAID SCHEDULE UNLESS PRIOR NOTICE HAS BEEN GIVEN IN WRITING TO OWNER/TENANT OF AN UNAVOIDABLE DELAY(S).

ALL CONTRACTORS AND SUB-CONTRACTOR SHALL VERIFY PERTINENT DIMENSIONS, GRADES, AND ANY OTHER SITE CONDITIONS PRIOR TO COMMENCING WITH THE WORK. CONTRACTORS SHALL NOT SCALE DRAWINGS FOR MISSING DIMENSIONS. IF ANY DISCREPANCIES EXIST, THE ARCHITECT AND/OR OTHER CONSULTANTS THAT PREPARED THESE INSTRUMENTS OF SERVICE MUST BE NOTIFIED PRIOR TO COMMENCING THE WORK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACCURACY OF THE BUILDING LINES AND LEVELS. THE CONTRACTOR SHALL CAREFULLY COMPARE THE LINES AND LEVELS SHOWN ON THE INSTRUMENT OF SERVICES AND CONTRACT DOCUMENTS (E.G. DRAWINGS) WITH EXISTING LEVELS FOR LOCATION AND CONSTRUCTION OF WORK AND SHALL CALL THE ARCHITECT AND SUBMIT TO THE ARCHITECT ANY FINDINGS OR DISCREPANCIES BEFORE PROCEEDING OF WORK.

CONSTRUCTION OBSERVATION: THE ARCHITECT MAY VISIT THE WORK OR SITE ANY TIME TO INSPECT THE WORK TO BE GENERALLY IN COMPLIANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR SHALL MAKE SITE/WORK AVAILABLE TO ARCHITECT TO COMPLETE INSPECTION. CONSTRUCTION OBSERVATION DOES NOT MEAN SUPERINTENDENCE, SITE CONDITIONS, OPERATIONS, EQUIPMENT, NOR PERSONNEL, NOR THE MAINTENANCE OF SAFE PLACE TO WORK NOR ANY SAFETY IN, ON , NOR ABOUT SITE. ARCHITECT IS NOT LIABLE TO WORK INSPECTED NOR GUARANTEE OR WARRANTY SUCH INSPECTION TO BE CONCLUSIVE OF WORK IS DONE OR PRODUCED AS PER CONTRACT DOCUMENT. CONTRACTOR IS THE SOLELY RESPONSIBLE FOR ALL WORK TO BE PRODUCED AS PER CONTRACT DOCUMENTS. IF ARCHITECT DETERMINE THAT WORK OR PARTS OF WORK NEED TO BE UNCOVERED FOR INSPECTION, THEN CONTRACTOR MUST UNCOVER WORK FOR INSPECTION.

IF THE CONTRACTOR OR SUB-CONTRACTORS FIND ANY DISCREPANCIES BETWEEN ANY OF THE A&E INSTRUMENT OF SERVICE (DRAWING OR SPECIFICATIONS), THE CONTRACTOR MUST NOT INTERPRET THAT THE DRAWING WILL SUPERCEDE THE SPECIFICATION OR VISA VERSA. CONTRACTOR MUST SUBMIT A RFI (*REQUEST FOR INFORMATION*) TO THE ARCHITECT FOR INTERPRETATION OF THE INSTRUMENTS OF SERVICES.

THE GENERAL CONTRACTOR SHALL COORDINATE THE WORK OF ALL SUBCONTRACTORS, VENDORS, AND SUPPLIERS. IF THE TENANT IS SUPPLYING FIXTURES AND/OR MATERIALS TO THE PROJECT, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE THEIR DELIVERY WITH THE PROJECT SCHEDULE AND SECURE THEM IN A MANNER TO PREVENT THEFT OR DAMAGE. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INSTALL AND/OR ASSEMBLE ALL OWNER-SUPPLIED MATERIALS UNLESS OTHERWISE NOTIFIED IN WRITING BY THE TENANT.

THE GENERAL CONTRACTOR SHALL SECURE AND PAY FOR GENERAL BUILDING PERMITS, SERVICES AND/OR LICENSES REQUIRED FOR THE WORK. ELECTRICAL, PLUMBING, AND MECHANICAL SUBCONTRACTORS SHALL SECURE AND PAY FOR PERMITS PERTAINING TO THEIR WORK.

THE GENERAL CONTRACTOR SHALL PROVIDE TEMPORARY SANITARY FACILITIES AS REQUIRED BY GOVERNING LAWS AND REGULATIONS.

THE GENERAL CONTRACTOR SHALL PROVIDE TEMPORARY POWER, HEATING AND LIGHTING SERVICES FOR THE DURATION OF CONSTRUCTION.

THE GENERAL CONTRACTOR SHALL PROVIDE PIPES, TAPS, AND HOSES TO DISTRIBUTE WATER FROM THE SERVICE ON THE SITE. ALL UTILITIES ARE TO BE BROUGHT TO THE SITE BY OTHERS, NOT A PART OF THIS CONTRACT, UNLESS OTHERWISE NOTED WITHIN.

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR INSURING ALL GAPS, HOLES AND/OR OTHER PENETRATIONS IN DEMISING AND EXTERIOR WALLS ARE COMPLETELY CLOSED UP BY APPROPRIATE METHODS FOR LOCAL CODES AND FIRE PROTECTION STANDARDS PRIOR TO RECEIVING SPECIFIED FINISHES. ALL EXISTING UTILITIES TO BE ABANDONED; CONTRACTOR MUST DISCONNECT AND PLUG OR CAP AS REQUIRED BY BUILDING ABD FIRE AND SAFETY CODE.

ALL MATERIALS AND WORKMANSHIP SHALL BE EQUAL TO THE INDUSTRY STANDARD OR BETTER, AND SHALL BE TO THE SATISFACTION OF THE OWNER. THEY SHALL ALSO BE IN ACCORDANCE WITH CURRENT STANDARDS OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS, AMERICAN SOCIETY OF TESTING MATERIALS, AMERICAN WATER WORKS ASSOCIATION, AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS, NATIONAL BOARD OF FIRE UNDERWRITERS, AMERICA SOCIETY OF HEATING AND VENTILATING ENGINEERS, JURISDICTIONAL BUILDING DEPARTMENT AND THE JURISDICTIONAL HISTORICAL LANDMARKS COMMISSION, AND AS DESCRIBED IN DRAWING AND/OR SPECIFICATION, AS PER THE CONTRACT DOCUMENTS AND/OR PROJECT MANUAL, AS THEY APPLY.

WHERE SPECIAL MAKES OR BRANDS ARE CALLED FOR, THEY ARE INTENDED TO REPRESENT THE STANDARD OF QUALITY REQUIRED. SUBSTITUTIONS OF EQUAL QUALITY MAY BE USED PROVIDED THAT APPROVAL FROM OWNER (OR THEIR DESIGNATED REPRESENTATIVE) AND THE ARCHITECT HAS BEEN OBTAINED IN WRITING. REQUESTS FOR SUBSTITUTIONS SHALL BE SUBMITTED PROMPTLY TO ALLOW TIME FOR REVIEW. CONTRACTOR PROPOSING SUBSTITUTIONS ASSUMES RESPONSIBILITY FOR PROVIDING FULL INFORMATION FOR REVIEW AND FOR THE SATISFACTORY OPERATION AND QUALITY OF THE SUBSTITUTED ITEM.

IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO INSURE THAT ALL ITEMS SPECIFIED AND/OR PROVIDED BY OTHERS ARE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ALL SPECIFIED ITEMS AND/OR ITEMS PROVIDED BY OTHERS SHALL BE AVAILABLE FOR REVIEW OF APPROPRIATE INSPECTORS, AND SHALL BE GIVEN TO THE CONSTRUCTION MANAGER UPON COMPLETION OF THE PROJECT.

ANY DEFECTIVE MATERIALS SHALL BE REMOVED AND REPLACED BY THE INSTALLING CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

IF ANY TRADE CAUSES DAMAGE TO ANOTHER TRADES WORK, IT IS THE RESPONSIBILITY OF THE TRADE WHO CAUSED THE DAMAGE TO REPAIR OR REPLACE THE DAMAGED WORK AND/OR MATERIALS AT THE DAMAGING TRADE'S SOLE EXPENSE CONTRACTORS SHALL GUARANTEE MATERIALS, EQUIPMENT, AND WORKMANSHIP FOR PERIOD OF ONE YEAR FROM THE DATE OF OCCUPANCY.

GENERAL CONTRACTOR SHALL OBTAIN LIEN RELEASES FROM ALL SUBCONTRACTORS AND GIVE THEM TO THE CONSTRUCTION MANAGER FOR THE OWNER PRIOR TO RELEASE OF FINAL PAYMENT FOR ALL WORK COMPLETED.

ALL STRUCTURAL WORK SHALL BE IN STRICT ACCORDANCE WITH STRUCTURAL ENGINEER'S PLANS AND SPECIFICATIONS. ANY DISCREPANCIES SHALL BE REPORTED TO THE CONTRACTOR AND THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK.

CONSTRUCTION MANAGER SHALL BE RESPONSIBLE FOR PROVIDING OWNER AND ARCHITECT WITH A BINDER OF ALL MANUALS, OPERATING INSTRUCTIONS, MANUAL WARRANTIES AND REPLACEMENT PARTS DIRECTORIES UPON COMPLETION OF THE PROJECT, AND PRIOR TO RELEASE OF THE 10% RETAINER.

UPON COMPLETION OF THE PROJECT, THE GENERAL CONTRACTOR SHALL HAVE THE PREMISES PROFESSIONALLY CLEANED PRIOR TO OCCUPANCY BY THE OWNER, INCLUDING BUT NOT LIMITED TO ALL INTERIOR/ EXTERIOR SURFACES, DOORS AND HARDWARE, TOILET ROOMS, GLASS AND MIRRORS, FLOORS AND CEILINGS, LIGHT FIXTURES.

BIDDING GENERAL CONTRACTOR AND SUBCONTRACTORS MUST VISIT THE SITE PRIOR TO SUBMITTING BIDS. DEMOLITION AND MODIFICATIONS REQUIRED TO EXISTING SPACE TO COMPLY WITH THESE DOCUMENTS SHALL BE NOTED AND COMMUNICATED TO ARCHITECT AND INCLUDED IN BID PROPOSALS. DEMOLITION REQUIREMENTS SHALL INCLUDE BUT NOT BE LIMITED TO; PARTITIONS, DOORS, STOREFRONT, CEILING, MECHANICAL, PLUMBING, FIRE SPRINKLERS, AND ELECTRICAL. PROVIDE TEMPORARY ELECTRICAL WHEN REQUIRED.

PROPRIETARY RIGHTS

APPLICABLE CODES:

WORK PERFORMED SHALL COMPLY WITH THESE GENERAL NOTES UNLESS OTHERWISE NOTED ON THE PLAN.

ALL WORK SHALL BE DONE IN ACCORDANCE WITH:
2022 California Building Code (CBC),
2022 California Residential Code (CRC),
2022 California Mechanical Code (CMC),
2022 California Plumbing Code (CPC),
2022 California Electrical Code (CEC),
2022 California Green Building Standards Code (CGBS),
FIRE/LIFE SAFETY:2022 CALIFORNIA FIRE CODE
ENERGY: 2022 ENERGY CODE

ALL WORK TO COMPLY WITH ALL APPLICABLE LOCAL AND STATE CODES, ORDINANCES AND REGULATIONS,

CODE ANALYSIS

WORK UNDER THIS CONTRACT SHALL COMPLY WITH THE PROVISIONS OF THE SPECIFICATIONS & DRAWINGS, AND SHALL SATISFY APPLICABLE CODES, ORDINANCES, AND REGULATIONS OF GOVERNING BODIES INVOLVED. ANY MODIFICATION TO THE CONTRACT WORK REQUIRED BY SUCH AUTHORITIES SHALL BE AT THE EXPENSE OF GC, PERMITS AND LICENSES NECESSARY FOR THE PROPER EXECUTION OF THE WORK SHALL BE SECURED AND PAID FOR BY THE CONTRACTOR INVOLVED.

DEADLOAD USED IN STRUCT. CALC. U.N.O.

TYPICAL FRAME FLOORS 15PSF
FRAME FLOORS WITH HEAVY TILE OR STONE FLOORING 20 PSF
ROOF WITH ARCHITECTURAL ASPHALTIC SHINGLES OR METAL 10 PSF
ROOF WITH HEAVY DUTY COVERING (SEE ROOF PLAN)
FRAME WALLS_EXTERIOR WITH SIDING 12 PSF
FRAME WALLS _EXTERIOR WITH BRICK 50 PSF
FRAME WALLS _INTERIOR 8PSF

LIVE LOADS USED IN STRUCTURAL CALCULATION UNLESS OTHERWISE NOTED
EXTERIOR CANTILEVER BALCONIES 60 PSF
DECKS 40 PSF
PASSENGER VEHICLE GARAGES 50 PSF
ATTICS WITHOUT STORAGE (LOW SLOPE ROOF) 10PSF
ATTICS WITH STORAGE 20 PSF
ROOMS OTHER THAN SLEEPING ROOMS 40 PSF
SLEEPING ROOMS 30 PSF
STAIRS 50 PSF
GUARDRAILS & HANDRAILS 200# SINGLE POINT LOAD

DEFLECTION MAXIMUMS
RAFTERS (HIGH SLOPE AND UNFINISHED) L/180
RAFTERS (LOW SLOPE OR FINISHED) L/240
FLOORS L360
FLOORS WITH SPANS OVER 20' L/480
STRUCTURAL MEMBERS L /240
MASONRY SUPPORT L/600
WALLS-EXTERIOR WITH BRITTLE FINISHES H/240
WALLS -EXTERIOR WITH FLEXIBLE FINISHES H/180
INTERIOR PARTITIONS H/180

A. SUBSTRUCTURE

A10 FOUNDATIONS & SLAB ON GRADE A1010 STANDARD FOUNDATIONS

1. EXPANDABLE SOIL-IF ENCOUNTERED, THE FOLLOWING MINIMUM REQUIREMENTS MUST BE MET:
a) DEPTH OF FOOTING BELOW THE NATURAL AND FINISH GRADE SHALL NOT BE LESS THAN 24 INCHES FOR EXTERIOR AND 18 INCHES FOR INTERIOR FOOTINGS
b) EXTERIOR WALL AND INTERIOR BEARING WALLS SHALL BE SUPPORTED ON A CONTINUOUS FOOTINGS
c) FOOTING SHALL BE ENFORCED WITH A MINIMUM OF (4) #4 REBAR. TO BE PLACED WITHIN 4 INCHES OFF THE BOTTOM AND 4 INCHES OFF THE TOP OF THE FOOTINGS
2. THE SOIL BELOW AN INTERIOR CONCRETE SLAB SHOULD BE SATURATED WITH MOISTURE TO A DEPTH OF 18 INCHES PRIOR TO PLACING CONCRETE (SOG)
3. GARAGE SLABS MUST BE PITCHED TOWARD DOOR@MIN 1/8" PER FT SLOPE
4. ALL FOUNDATION SHALL CONFIRM TO THE REQUIREMENTS OF THE SOILS REPORT.
5. EXCAVATION FOR FOUNDATIONS TO THE DEPTHS SHOWN ON DRAWINGS BELOW UNDISTURBED SOIL OR COMPACTED EARTH 12 MIN UNLESS OTHERWISE NOTED. SEE SOIL REPORT FOR PAD AND FOOTING COMPACTION REQUIREMENTS.
6. CONTRACTOR IS RESPONSIBLE FOR ALL SHORING, ETC. NECESSARY TO SUPPORT CUT AND/OR FILL BANKS DURING EXCAVATIONS, AND FOR FORMING AND PLACEMENT OF CONCRETE. SEE SOIL REPORT IF APPLICABLE.
7. CARE SHALL BE TAKING NOT TO OVER EXCAVATE FOUNDATION@LOWER ELEVATION PREVENT DISTURBING SOIL AROUND FOOTING@HIGHRER ELEVATION
8. FILLING AND BACKFILLING SHALL BE INSPECTED AND APPROVED BY THE PROJECT SOCIAL ENGINEER PRIOR TO FORMING
9. FILLING AND BACKFILL SHALL BE COMPACTED@A MINIMUM OF 90% OF MAXIMUM DENSITY IN ACCORDANCE WITH SOLAR REPORTS AND ASTM TEST METHODS D-1557-78. FLOODING OF BACKFILL IS NOT PERMITTED.
10. WATER SHALL BE REMOVED FROM FOUNDATION EXCAVATION PRIOR TO PLACING OF CONCRETE CARE SHALL BE TAKING SO AS NOT TO DRY OUT UNDERLYING NATURAL SOIL
11. ALL EXISTING FILL SOIL AND DISTURBED NATURAL SOILS ARE TO BE EXCAVATED AND REPLACED WITH PROPERLY COMPACTED FILL ALL FILLING BACKFILLING RECOMPACTION ETC IS TO BE ACCOMPLISHED ONLY UNDER THE SUPERVISION OF A SOILS ENGINEER ALL EXCAVATIONS ARE TO BE INSPECTED AND APPROVED BY A SOILS ENGINEER PRIOR TO THE PLACEMENT OF AND FILL OR REINFORCING STEEL
12. STANDARDS:
a. COMPLY W/RECOMMENDATION OF ACI 301 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS ACI 318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE , & CONCRETE REINFORCING STEEL INSTITUTE MANUAL OF STANDARDS PRACTICE
b. CONCRETE PLACEMENT SHALL COMPLY WITH ACI-614 will
c. CONCRETE MIXING OPERATIONS ETC. SHALL CONFIRM TO ASTM C-94
d. PROVIDE, INSTALL, AND REMOVE FORMS AND TEMPORARY BRACING IN ACCORDING WITH THE AFOREMENTIONED CODES.
e. REINFORCEMENT STEEL SHALL BE A-615 GRADE 60 (60 KSI) DEFORMED HI-BOND AND CONFORM TO THE LATEST ASTM SPEC.
f. WELDED WIRE FABRIC: (WWF) ASTM A-185, 6X6-WI.4XW1.4
g. ALL FIELD WELDED REINFORCING STEEL SHALL CONFIRM TO ASTM A-706 GRADE 60. WELDING USING E70XX ELECTRODES. ALL FIELD WELDING SHALL BE CONTINUOUSLY INSPECTED BY REG. DEPUTY INSPECTOR@THE EXPENSE OF THE GENERAL CONTRACTOR UNLESS CONTRACT DOCUMENTS STATS OTHERWISE.
13. CONCRETE MIX STANDARD SHALL REACH MAX. STRENGTHS@28 DAYS MINIMUM USE TYPE II OR V CEMENT,AIR ENTRAINMENT 4% TO 6% IN ALL EXPOSED CONCRETE WORK LOW ALKALI. UNLESS OTHERWISE NOTED
14. UNLESS NOTED OTHERWISE, TYPICAL CONCRETE SLAB HAVE WWF WIRE REINFORCING OR #4 REBAR B.W., AND 4 GRAVEL BASE, @ ALL INTERIOR CONCRETE SLABS CRAWL SPACES INSTALL 6 MIL POLYETHYLENE VAPOR BARRIER OR STAGO ® WATERPROOF BARRIER BETWEEN CONCRETE AND CRASHED STONE.
15. CONCRETE FLOOR SLABS ON GRADE SHELL BE 5 THICK UNLESS OTHERWISE NOTED. SLAB WHICH ARE TO RECEIVE RESILIENT FLOORS CARPETED OR DESIGNED TO REMAIN EXPOSED SHELL BE AND TROWELED SMOOTH. CONTRACTOR SHALL PROVIDE CONTROL JOINTS WITH A MAXIMUM AREA BETWEEN JOINTS OF 225 FT.² UNLESS OTHERWISE NOTED MAXIMUM RATIO OF FLOWING SIDE TO SHORT SIDE SHALL BE 1-1/2:1. DISTANCE BETWEEN CONTROL JOINTS MAY NOT EXCEED 20 FEET.
16. CONCRETE FOR ALL FOOTINGS OF THE WORK SHALL BE THE SPECIFIED QUALITY CAPABLE OF BEING PLACED WITHOUT EXCESSIVE SEGREGATION; AND WHEN HARDENED; OF DEVELOPING ALL CHARACTERISTIC REQUIRED BY THESE SPECIFICATIONS AND THE CONTRACT DOCUMENTS.
THE SPECIFIED COMPRESSIVE STRENGTH OF THE CONCRETE (F'c) FOR EACH PORTION OF THE STRUCTURE SHALL BE AS DESIGNED BELOW (OR 1. AS NOTED OTHERWISE ON STRUCTURAL PLANS AND SOIL REPORT), AND SPECIFICATIONS STRENGTH REQUIRED SHALL BE BASED ON 28 COMPRESSIVE STRENGTH UNLESS A DIFFERENT TEST IS SPECIFIED:

a.	SOG	4500 PSI
b.	FOUNDATION	4500 PSI
c.	WALLS	4500 PSI
d.	DRYPACK OR GROUT FOR BASE PLAT	4,000PSI

2. CONCRETE BLOCK UNDER BASE PLATE, SILL PLATE, ETC. MUST HAVE IC80 APPROVED NUMBER.
3. MATERIAL FOR CONCRETE:
a. CEMENT SHALL CONFORM TO THE APPROPRIATE SPECIFICATION AS LISTED:
i. PORTLAND CEMENT, SPECIFICATION FOR PORTLAND CEMENT , ASTM C-150
ii. PORTLAND BLAST-FURNACE SLUG CEMENT OR PORTLAND POZZOLAN CEMENT SPECIFICATION FOR BLEND HYDRAULIC CEMENTS (ASTM C-595)
iii. UNLESS OTHERWISE PERMITTED OR REQUIRED, CEMENT SHALL BE TYPE I OR TYPE II, ASTM C-150
iv. THE CEMENT USED IN THE WORK SHALL CORRESPOND TO THAT UPON WHICH THIS SECTION OF CONCRETE PROPORTION WAS BASED.
b. ADMIXTURE SHALL NOT BE USED, ULESS OTHERWISE SPECIFIED ON STRUCTURAL PLANS AND SPEC.
c. WATER: MIXING WATER FOR CONCRETE SHALL CONFIRM WITH THE REQUIREMENT FOR WATER ARE SPECIFIED IN ASTM C-94
d. AGGREGATES:
AGGREGATES FOR NORMAL-33)ORMAL WEIGHT CONCRETE SHALL CONFIRM TO
ii.SPECIIAGGREGATES FOR LIGHTWEIGHT CONCRETE SHALL CONFIRM TO SPECIFICATION FOR LIGHT WEIGHT AGGREGATES FOR STRUCTURAL CONCRETE ASTM C-330
iii. FINE AND COARSE AGGREGATE SHALL BE REGARDED AS SEPARATE INGREDIENTS. EACH SIZE OF COURSE AGGREGATES, AS WELL AS THE COMBINATION OF SIZES WHEN TWO OR MORE ARE USED, SHALL CONFIRM TO THE APPROPRIATE DEGRADING REQUIREMENTS OF THE APPLICABLE ASTM SPECIFICATIONS
4. SLUMPS (UNLESS OTHERWISE PERMITTED OR SPECIFIED) THE CONCRETE SHALL BE PROPORTIONED AND PRODUCED TO HAVE A SLUMP OF 4 INCHES OR LESS IF CONSOLIDATION IS TO BE BY VIBRATION; 5 INCHES OR LESS IF CONSOLIDATION IS TO BE BY METHODS OTHER THAN VIBRATION.
5. PROVIDE A MINIMUM OF HALF INCH FOUNDATION BOLTS EMBEDDED 9 INCHES IN CONCRETE AND SPACED 4 FEET AND. SEE. MAX AND WITHIN 12 OF CORNERS, OPENING FOR THE LIKES UNLESS OTHERWISE NOTED
6. CONDUIT OR PIPES (O.D) SHOULD NOT EXCEED 30% OF SLAB THICKNESS AND SHALL NOT BE PLACED BETWEEN THE TOP AND THE BOTTOM REINFORCING UNLESS SPECIFICALLY DETAILED OTHERWISE CONCENTRATIONS OF CONDUITS OR PIPES SHOULD BE AVOIDED EXCEPT WHERE DETAIL OPENINGS ARE PROVIDED.
7. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING. DO NOT CUT ANY REINFORCING WHICH MAY CONFLICT, CORING IN CONCRETE IS NOT PERMITTED EXCEPT AS SHOWN NOTIFY STRUCTURAL ENGINEER IN ADVANCE OF CONDITION NOT SHOWN IN DRAWINGS.
8. CONCRETE MIX STANDARD 2500 PSI@28 DAYS MINIMUM USE TYPE V CEMENT UNLESS OTHERWISE NOTED
9. REINFORCING STEEL SHALL HAVE THE FOLLOWING MIN. COVERAGE:

a.	CONCRTEE CAST AGAINST EARTH	3
b.	SLAB ON GRADE (SOG)	CENTER
c.	CAST-IN-PLACE (CIP) WALLS	
i.	NO. 5 AND SMALLER	1.5
ii.	NO. 6 AND LARGER	2
d.	PRECAST CONCRETE WALL PANALS	0.75

10. LAP ALL BARS A MINIMUM OF 40 BAR DIAMETERS (2‼ -0" MINIMUM)@ALL SPLICES. WIRE MESH SHALL LAP 12 MIN. UNLESS NOTED OTHERWISE
11. BARS SHALL CLEAN OF RUST, GREACE, OR OTHER MATERIAL LIKELY TO IMPAIR BONDING. BENDS SHALL BE MADE COLD.
12. CONTINUOUS and INSPECTION OF CONCRETE SHALL BE SCHADULED SO THAT PLACMENT or OEINFORCING STEEL, CONDUIT, SLEEVES, AND EMBEDDED ITEMS MAY BE CORRECTED PROIR TO PLACMENT OF OVERLYING GRIDS OF STEEL.
13. CONTRACTOR IS ENCOURAGED TO USE SULLURY UNDER STEEL IN THE CASE OF FORCASTING RAIN@THE PERIOD BETWEEN REINFORCING STEEL AND POURING OF CONCRETE TO PREVENT CONTAMINATION OF THE STEEL PRIOR TO POURING
14. SPLICES OF HORIZONTAL REBAR IN WALLS AND FOOTINGS SHALL BE TAGGERED B DOWELS FOR WALLS SHALL BE SAME SIZE AND SPACING AS THE WALL REINFORCEMENT AND SHALL LAP WITH THE WALL REBAR AS NOTED ABOVE UNLESS NOTED OTHERWISE.
15. WELDING OF REINFORCING STEEL SHALL CONFORM TO AWS DI2»I USING PROPER LOW HVDROGEN ELECTRODES
16. ALL BOLTS SHALL BE RETIGHTEN ED PRIOR TO THE APPLICATION OF SHEATHING, PLASTER, ETC.
1. ALL WOOD BEARING ON CONCRETE OR MASONRV SHALL BE PRESSURE TREATED DOUGLAS FIR STRUCTURAL MEMBERS SHALL NOT BE CUT FOR PIPES, ETC UNLESS SPECIFICALLY DETAILED
2. PROVIDE A MINIMUM OF HALF INCH FOUNDATION BOLTS EMBEDDED 9 INCHES IN CONCRETE AND SPACED 4 FEET AND. SEE. MAX AND WITHIN 12 OF CORNERS, OPENING FOR THE LIKES UNLESS OTHERWISE NOTED (SEE SCHEDULE PROVIDED)

B. SHELL

B10 SUPERSTRUCTURE AND B30 ROOFING

1. FASTENERS FOR WOOD STRUCTURAL PANEL SHEATHING ON SHEER WALLS AND DIAPHRAGMS SHALL BE, NAILED WITH A FULL HEAD UNLESS OTHERWISE APPROVED OR NOTED
2. HOLD-DOWN HARDWARE MUST BE SECURED IN PLACE PRIOR TO FOUNDATION INSPECTION
3. HOLD DOWN CONTRACTOR BOLTS INTO WOOD FRAMING REQUIRE APPROVED LATE WASHERS AND HOLD DOWNS SHALL BE TYPED AND JUST PRIOR TO COVERING THE WALL FRAMING
4. PROVIDE FIRE BLOCKING AT:
a. TOWARDS CONCEALED SPACES OF STUD WALLS AND PARTITIONS, FLOOR AND CEILING@10 FEET MAXIMUM INTERVAL VERTICAL AND HORIZONTALLY
b. INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES AND@ALL INTERSECTION OF STUD WALL@FLOOR, CIELINGM AND ROOF.
c. CONCEALED SPACES BETWEEN STAIRS SCRAMBLERS AND@TOP AND BOTTOM RUNS
d. AT OPENINGS AROUND THE ENDS, PIPES, DUCTS AND CHIMNEYS (NONCOMBUSTIBLE MATERIAL)
e. AT OPENINGS BETWEEN ATTIC AND CHIMNEY CHASE FOR FACTORY-BUILD CHIMNEYS
5. FIRE BLOCKING TO BE 2 X NOMINAL THINKNESS OF WOOD AND SHALL BE THE FULL WIDTH OF THE ENCLOSED SPACE. PLACE FIRE BLOCKING @ MAX SPACING OF 8‼ IN THE VERTICAL DIRECTION.
6. PROVIDE 2 X FIRE BLOCKING IN ALL FURRED SPACES, VERTICAL AND HORIZANTAL. AND@A MAXIMUM SPACING OF 8‼ IN EACH DIRECTION AND @ SAME LINE AS FIRE BLOCKING IN ADJ WALL.
7. ROOF ASSEMBLY SHALL BE LISTED BY AN APPROVED TESTING AGENCY
8. FOR TILE ROOF:
a. PROVIDE 2 FASTENERS PER TILE
b. ONE LETTER OF HEAVY DUTY FELT OVER TYPE 30 FELT‼ SIDE SIGN LAPPED 3 INCHES AND END LAP 6 INCHES
9. PROVIDE APPROVED SPARK ARRESTEER WITH A NET AREA OF OPENING 4 TIMES THAT OF THE CHIMNEY
10. FACTORY BUILD CHIMNEYS SHALL TERMINATE HIM AND LISTED FACTORY BUILT CHIMNEY
11. NO OTHER ART FICTIONAL FEATURE IS PERMITTED WITHOUT MANUFACTURING APPROVALS
12. PROVIDE DOUBLE JOISTS UNDER LOADBEARING PARTITIONS
13. PROVIDE SOLID BLOCKING OR CROSS BRIDGING OFF FLOOR JOISTS AS REQUIRED
14. PROVIDE 2 LAYERS OF GRADE D PAPER OVER ALL WOOD BASE SHEATHING.
15. RADIANT BARRIER IS REQUIRED UNDER ROOF PLYWOOD OR OSB SHEATHING
16. NOTCHING OF EXTERIOR AND BEARING/ NON-BEARING WALLS SHALL NOT EXCEED 25%/40% RESPECTIVELY. BORED HOLES IN BEARING/ NON-B

C. INTERIORS

C10 INTERIOR CONSTRUCTION

C1010 PARTITIONS

1. PROVIDED 6 FEET HIGH NON-ABSORBENT WALL ADJACENT TO SHOWER AN APPROVEDIMPACT RESISTANT MATERIAL FOR SHOWER ENCLOSURES. MINIMUM SIZE OF SHOWER TO BE FAIRLY INCHES IN DIAMETER CIRCLE AND1024 IN.² FLOOR AREA GLASS ENCLOSURE DOORS ANDPANELS MUST BE LABELED CATEGORY 2
2. BEARING WALL STOCKS CANNOT BE NOTCHEDMORE THAN 25% OF THEIR WEIGHT, BOREDHOLES SHALL NOT HALF THE DIAMETER GREATER THAN 40% OF THEIR STOP WIDTH
3. PROVIDE 5/8 INCHES NONABSORBENT glass mat gypsum, fiber-cement, or cement board TO ALL MOISTURE ROOMS. Note: greem water resistant gypsum not allowed in shower or tub wall.
4. PROVIDE 20 X30 OR 30 X30 ATTIC ACCESS OPENING WITH@LEAST 30 HEADROOM ABOVE
5. WALL COVERING TO BE CEMENT PLASTER, TILE OR APPROVEDEQUAL 7O"(MIN) ABOVE DRAIN@SHOWERS OR TUBS WITH SHOWERS. MATERIALS OTHER THAN STRUCTURAL ELEMENTS TO BE MOISTURE REISTANT.
6. WELLS IN SHOWER ANDABOUT TOPS SHALL BE NON-ABSORBENT MATERIAL ANDAPPLY ACCORDING TO MANUFACTURER SPECIFICATION TO A MINIMUM HIGH OF 70 INCHES ABOVE DRAIN.
7. GARAGES REQUIRE SEPARATION FROM THE RESIDENCE AND ANY ATTIC SPACES WITH A MIN OF 1/2" GYPSUM BOARD APPLIEDTO THE GARAGE SIDE. GARAGES SHALL BE SEPARATED FROM ANY HABITABLE ROOMS ABOVE BY NO LESS THAN 5/8 TYPE X GYPSUM BOARD.

C1020 INTERIOR DOORS

1. SHOWER DOORS ANDPANELS MUST BE 1/4" FULLY TEMPERED, 1/4" LAMINATEDOR OF AN APPROVEDPLASTIC. SWING DOOR OUTWARD
2. ALL INTERIOR EGRESS DOORS ANDMIN 1 EXTERIOR EGRESS DOOR SHALL BE READILY
3. OPENABLE FROM THE INSIDE WITHOUT KEY, EFFORT, OR SPECIAL KNOWLEDGE.
4. HALLWAYS SHALL BE A MINIMUM OF 3' WIDE

C3020 FLOOR FINISHES

C3030 CEILING FINISHES

1. MIN CEILING HT IS 7'-6 , Kitchen, Bath, Toilet Room, Storage, And Laundry Min. 7FT.
2. SLOPEDCEILING SPACES MAY HAVE NO MORE THAN 66% OF THE TOTAL ARE LESS THAN 7'-6

D20 PLUMBING

1. DOUGLAS FRANTZ ARE NOT PERMITTEDIN ROOMS WITH SHOWERS OR TOPS THE POINT OF DISCHARGE SHALL BE@LEAST 3 FEATS FROM ANY OPENINGS
2. AN APPROVAL CELLS MAY GASTRIC OFF ABOUT WILL BE INSTALLEDON THE FUEL GAS LINE ON THE DOWNSTREAM SIDE OF UTILITY METER ANDTHE RIGIDLY CONNECTED THE EXTERIOR OF THE BUILDING OR STRUCTURE CONTAINING THE FUEL GAS PIPE A T&P BOMB TO BE PIPEDTO THE EXTERIOR
3. WATER HEATER ON THE PLANS AND/OR PROVIDE THE FOLLOWING INFORMATION ON THE PLANS:

i. SHOW COMBUSTION AIR, VENTING, LOCATION, DRAIN PAN ANDLINE PER CPC 508.4.
ii. WATER HEATER BURNER, PILOT LIGHT OR IGNITER TO BE@18" ABOVE GARAGE FLOOR IF LOCATEDIN GARAGE. CPC 508.14(1).
iii. PROVIDE A 3 Ø STEEL PIPE X 36 EMBEDDEDIN CONCRETE SLAB FOR PROTECTION OF WATER HEATER. CPC508.14(2)
iv. WATER HEATERS SHALL BE ANCHOREDOR STRAPPEDTO THE STRUCTURE. PROVIDE 1 Ó X 16 GAUGE STRAPS@TOP ANDBOTTOM WITH 3/8 Ⅱ X 3 LONG LAG BOLT@EACH END. CPC 508.2

4. WATER HEATERS INSTALLEDIN ATTIC SPACES OR FLOOR CEILING/FLOOR SUBFLOOR ASSEMBLIES WHERE DAMAGE MAY OCCUR FROM A LEAKING WATER HEATER, A WATERTIGHT PAN OF CORROSION RESISTANT MATERIALS SHALL BE INSTALLEDBENEATH THE WATER HEATER WITH A MINIMUM DIA. DRAIN TO AN APPROVEDLOCATION. CPC 508.4
5. VENT FOR WATER HEATER MUST TERMINATE 2'-O" ABOVE ROOF LINE, AND10'-0" AWAY FROM HEATING RETURN AIR.
6. A MINIMUM OF 50 IN.² VENT@THE TOP ANDTHE BOTTOM OF THE WATER HEATER COMPARTMENT
7. WATER HEATERS LOCATEDWITHIN HABITABLE SPACE REQUIRE THE MANUFACTURER S SPECIFICATIONS DETAILING THE COMBUSTION AIR SUPPLY ANDVENTING.
8. INSTANTANEOUS GAS WATER HEATERS (TANKLESS) LOCATEDWITHIN HABITABLE SPACE REQUIRE MANUFACTURER S SPECIFICATIONS FOR COMBUSTION AIR SUPPLY ANDVENTING.
9. REMOVABLE PANEL TO PROVIDE ACCESS ANDREMOVAL OF THE WHIRLPOOL PUMP. ACCESS LOCATEDIN THE CRAWL SPACE SHALL BE LOCATEDNO MORE THAN 20 FEET FROM THE ACCESS DOOR, TRAP DOOR OR CRAWL HOLE. CPC 414.1
10. WATER CLOSETS (TOILETS) REQUIRE A 4 SOILS / WASTE LINE PER CPC TABLE 7-5
11. OLDSHOWERS ANDTUBS SHALL HAVE EITHER A PRESSURE BALANCE OR AFTER THE ROMANTIC MIXING INVOLVED, MAX TEMPERATURE OF HUNDRED120 DEGREES
12. HOSE BIBB SHALL BE FITTEDWITH NONE REMOVABLE BACKFLOW DEVICE
13. SHOWER ENCLOSURES SHALL BE SURE PROOF, DOORS SWING OUTWARD
14. SHOWER COMPARTMENT SHALL HAVE A MINIMUM INTERIOR OF 1024 IN.² ANDCAPABLE OF ENCOMPASSING THE 50 INCH CIRCLE
15. SHOWER COMPARTMENTS ANDWALLS ABOVE BATHTUBS WITH SHOWER HEADS INSTALLEDSHALL BE FINISHEDWITH A SMOOTH, NONABSORBENT SURFACE TO A HEIGHT OF NOT LESS THAN 72 ABOVE THE FLOOR
16. PROVIDE WATER SAVING WATER CLOSET
17. PROVIDE THE MAXIMUM FLUSH VOLUME ANDFLOW RATE:

a. WATER CLOSETS: 1.6 GALLONS PER FLUSH (BLOWOUT TYPE EXEMPTS)
b. SHOWERHEADS: 2.5 GALLONS PER MINUTES
c. FAUCETS: 2 THANK YOU GALLONS PER MINUTES

18. WHEN MEMBER SHOWEDTHE NEW GRADE MARK DOUGLES FIR-LARCH GR. #2 OR BETTER. FOR A NUMBER SHALL BE # 1 CONSTRUCTION GRADE EXPOSEDBEAMS SHALL BE SELECTEDSINCE # 1 CONSTRUCTING GRADE
19. PROVIDE MIN. OF 3" DIAMETER BUILDING /SEWER DRAIN LINE WITH 2% MINIMUM SLOPE.
20. HOSE BIBBS ANDLAWNSPRINKLER SYSTEMS SHALL HAVE APPROVEDBACKFLOW PREVENTION DEVICES.
21. ALL SHOWERS ANDTUB-SHOWERS SHALL HAVE A PRESSURE BALANCE, THEROSTATIC MIXING VALVE, OR A COMBINATION PRESSURE BALANCE / THERMOSTATIC MIXING TYPE
22. PROVIDE A MINIMUM 12 IN.² ACCESS PANEL TO TALK CONNECTION EXCEPT WHERE CONCEALEDFIXTURE CONNECTIONS ARE MADE OF BRASS ANDWITHOUT SLIP JOINT

D30 HVAC

1. DUCTS SHALL BE SIZE ACCORDING TO CODE.
2. FURNACE INSTALLATION SHALL MEET OR LISTEDCLEARANCE
3. HEATING SYSTEM SHALL BE CAPABLE OF MAINTAINING A ROOM TEMPERATURE OF 70 FAHRENHEIT DEGREES@THE POINT OF 3 FEET ABOVE THE FLOOR ANDALL HABITABLE ROOMS
4. HEATING SYSTEM SHALL BE CAPABLE OF MAINTAINING A ROOM TEMPERATURE OF 70 FAHRENHEIT DEGREES@THE POINT OF 3 FEET ABOVE THE FLOOR ANDALL HABITABLE ROOMS
5. IF A NEW ADDITIONS THEN NEW ADDITION WOULDBE USING EXISTING HEAT ANDCOOLING FACILITIES PROVIDE EXTENSIONS ANDCONNECTIONS TO DUCTS ANDCODE UNLESS OTHERWISE SHOWING ON PLANS
6. PROVIDE VENT TO OUTSIDE AIR FROM CLOSE DRYER. CLOSE DRYER MOISTURE EXHAUST DUCT IS LIMITEDTO 14 FEET WENT TO ELBOWS REDUCE THIS LINK BY 2 FEET FOR EACH ELBOW IN EXCESS OF 2 FEATS. DUCT SHALL@A MIN. 4 IN DIM. EQUIPEDW/BACK-DRAFT DAMPER. A MIN OF 100 S.IN. MAKEUP AIR WHEN CLOTH DRYER INSTALLEDIN A CLOSET DESIGNEDOF INSTALLATION.
7. BATHROOM OR ANY ROOM CONTAING BATHTUBS, SHOWERS, SPAS, ANDSIMILAR BATH FIXTURE SHALL MECHANICALALLY VENTILATED. FAN EXHAUST TO PROVIDE A MINIMUM OF ONE COMPLETE INTERCHANGE IN 5 MIN., 50 CFM, IN BATHROOMS WITH NO WINDOWS OR WINDOWS LESS THAN 1.5 S.F.. DUCT SIZE ANDLENGTH MUST MEET THE MINIMUM REQUIREMENTS OF ASHRA STANDARD62.2 ANDMAXIMUM SOUNDRATING OR 3 SONE FOR INTERMITTENT OPERATION. IF LIGHT ANDFAN ARE IN THE SAME FIXTURE, THEN SEPREATE SWITCHES BE PROVIDEDFOR LIGHT ANDFAN.
8. KITCHEN LOCAL EXHAUST VENTILATION. A MINIMUM RATE OF 100CFM IS REQUIRED. DETAIL DUCTING SIZE ANDLENGTHS TO MEET THE MINIMUM REQUIREMENTS OF ASHRA STANDARD62.2 ANDMAXIMUM SOUNDRATING OR 3 SONE FOR INTERMITTENT OPERATION
9. AN APPROVEDMECHANICAL VENTILATION SYSTEM CAPABLE OF PRODUCING 0.35 AIR CHANGE PER HOUR IN THE ROOM IS INSTALLEDOR A WHOLE HOUSE VENTILATION SYSTEM IS INSTALLEDCAPABLE OF SUPPLYING OUTDOOR AIR OF 15 CUBIC FEET PER MINUTE PER OCCUPANT
10. TERMINATION OF ENVIRONMENTAL AIR DUCTS A MINIMUM OF 3 FEET FROM THE PROPERTY LINE AND3 FEET FROM OPENINGS INTO THE BUILDING

D40 FIRE PROTECTION

1. SMOKE DETECTORS SHALL SOUNDAN ALARM AUDIBLE IN ALL AREAS OF THE BUILDING
2. SMOKE DETECTORS SHALL SOUNDAN ALARM AUDIBLE IN ALL SLEEPING AREAS OF THE DWELLING THAT THEY SERVE
3. ALL SMOKE ALARMS SHALL BE INTERCONNECTED, ANDDIRECT WIREDWITH BATTERY BACKUP IN ALL NEW CONSTRUCTION
4. SMOKE ALARMS SHALL BE INSTALLEDIN THE FOLLOWING LOCATIONS:
5. IN EACH SLEEPING ROOM.
6. OUTSIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS.
7. ON EACH ADDITIONAL STORY OF THE DWELLING, INCLUDING BASEMENTS AND HABITABLE ATTICS BUT NOT INCLUDING CRAWL SPACES AND UNINHABITABLE ATTICS. IN DWELLINGS OR DWELLING UNITS WITH SPLIT LEVELS AND WITHOUT AN INTERVENING DOOR BETWEEN THE ADJACENT LEVELS, A SMOKE ALARM INSTALLED ON THE UPPER LEVEL SHALL SUFFICE FOR THE ADJACENT LOWER LEVEL PROVIDED THAT THE LOWER LEVEL IS LESS THAN ONE FULL STORY BELOW THE UPPER LEVEL.
8. WHEN MORE THAN ONE SMOKE ALARM IS REQUIRED TO BE INSTALLED WITHIN AN INDIVIDUAL DWELLING UNIT THE ALARM DEVICES SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE INDIVIDUAL UNIT
9. AN APPROVED CARBON MONOXIDE ALARM SHALL BE INSTALLED IN DWELLING UNITS AND IN SLEEPING UNITS WITHIN WHICH FUEL-BURNING APPLIANCES ARE INSTALLED AND IN DWELLING UNITS THAT HAVE ATTACHED GARAGES SHALL BE PROVIDED WITH A CARBON MONOXIDE ALARM IN THE FOLLOWING LOCATIONS:
10. OUTSIDE OF EACH SEPARATE DWELLING UNIT SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOM(S).
11. ON EVERY LEVEL OF A DWELLING UNIT INCLUDING BASEMENTS.
12. WHERE MORE THAN ONE CARBON MONOXIDE ALARM IS REQUIRED TO BE INSTALLED WITHIN THE DWELLING UNIT OR WITHIN A SLEEPING UNIT THE ALARM SHALL BE INTERCONNECTED IN A MANNER THAT ACTIVATION OF ONE ALARM SHALL ACTIVATE ALL OF THE ALARMS IN THE INDIVIDUAL UNIT
13.

D50 ELECTRICAL

1. PROVIDE A.F.C.I. OUTLET@ALL FAMILLY, DINING, LIVING, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS ANDAREAS PER CEC SEC 210.12.
2. AT LEAST ONE RECEPTACLE, IN ADDITION TO THOSE FOR SPECIFIC EQUIPMENT, SHALL BE INSTALLEDIN EACH BASEMENT, IN EACH ATTACHEDGARAGE ANDIN EACH DETACHEDGARAGE WITH ELECTRICAL POWER.
3. PROVIDE UFER OR OTHER APPROVED GROUND
4. G.F.C.I. PROTECTION TO ALL 120 VOLT, 15 AND20 AMP RECEPTACLES INSTALLEDIN BATHROOMS, GARAGES ANDACCESSORY BUILDINGS, OUTDOORS, CRAWL SPACES, UNFINISHEDBASEMENTS, KITCHENS, LAUNDRY, UTILITY ANDWET BAR OUTLETS LOCATEDWITHIN 6 FEET ANDBOATHOUSES.
5. TAMPER-RESISTANT FOR ALL 15 AND20 AMPERE RECEPTACLES IN DWELLING UNIT FAMILY, DINING, LIVING, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS ANDAREAS PER CEC SEC 210.12
6. A MINIMUM OF (1) 20-AMP CIRCUIT FOR BATHROOM(S) OUTLET. SUCH CIRCUIT SHALL HAVE NO OTHER OUTLETS. THIS CIRCUIT MAY SERVE MORE THAN ONE BATHROOM CEC 210- 23(A).
7. HYRDO-MASSAGE TUBS (I.E. JACUZZI TUBS) SHALL HAVE MOTOR ACCESS, A GFCI PROTECTEDDEDICATEDCIRCUIT, ANDBE UL LISTED. ALL METAL CABLES, FITTINGS, PIPING, OR OTHER METAL SURFACES, WITHIN 5 OF THE INSIDE WALL OF THE HYRDO-MASSAGE TUB SHALL BE PROPERLY BONDED. HYRDO-MASSAGE TUBS SHALL BE BONDEDWITH A MINIMUM #8 AWG BARE COPPER WIRE ANDTHE BONDING SHALL BE ACCESSIBLE WITHOUT DAMAGING ANY BUILDING STRUCTURE. (CEC 680.60)
8. IN THE KITCHEN ANDDINING AREA, A RECEPTACLE SHALL BE PROVIDEDFOR EACH COUNTER SPACE WIDER THAN 12 SO THAT NO POINT IS MORE THAN 24 FROM AN OUTLET. COUNTERTOPS SEPARATEDBY RANGE TOPS, REFRIGERATORS OR SINKS SHALL BE CONSIDEREDAS SEPARATE COUNTERTOP SPACES. CEC 210-52(C)(1).
9. IN THE KITCHEN ANDDINING AREA, A RECEPTACLE SHALL BE PROVIDEDFOR ISLANDCOUNTERTOP SPACES WITH A LONG DIMENSION OF 24 INCHES OR GREATER ANDA SHORT DIMENSION OF 12 INCHES OR GREATER. CEC 210-52(C)(2).
10. IN THE KITCHEN ANDDINING AREA, A RECEPTACLE SHALL BE PROVIDEDFOR THE PENINSULAR COUNTERTOP SPACES WITH A LONG DIMENSION OF 24 INCHES OR GREATER ANDA SHORT DIMENSION OF 12 INCHES OR GREATER. A PENINSULAR COUNTERTOP IS MEASUREDFROM THE CONNECTING EDGE. CEC 210-52(C)(3).
11. PROVIDE A MINIMUM OF 2 20 AMP SMALL APPLIANCE CIRCUITS FOR THE KITCHEN COUNTER TOPS. SUCH CIRCUIT SHALL HAVE NO OTHER OUTLETS. LOADS SHALL BE BALANCED. CEC 210-52(B)(2).
12. PROVIDE A MINIMUM OF 1 20 AMP LAUNDRY BRANCH CIRCUIT. SUCH CIRCUIT SHALL HAVE NO OTHER OUTLETS. CEC 210-23(A).
13. AT LEAST ONE RECEPTECLE OUTLET IN BATHROOM WITHIN 36 OF OUTSIDE EDGE OF EACH SINK BASIN. OUTLET SHALL BE LOCATEDON A WALL OR PARTITION THAT IS ADJACENT TO THE BASIN OR INSTALLEDON THE SIDE OR FACE OF THE BASIN CABINET NOT MORE THAN 12 BELOW THE COUNTERTOP. CEC210.52(D)
14. THE LIGHTING OUTLET SHALL BE PROVIDED@OR NEAR THE EQUIPMENT REQUIRING SERVICING@ALL ATTICS, UNDER FLOOR SPACES, UTILITY ROOMS, ANDBASEMENTS
15. AT LEAST ONE WALL SWITCH-CONTROLLEDLIGHTING OUTLET SHALL BE INSTALLEDIN EVERY HABITABLE ROOM, IN BATHROOMS, HALLWAYS, STAIRWAYS, ATTACHEDGARAGES, ANDDETACHEDGARAGES WITH ELECTRIC POWER, AND@OUTDOOR ENTRANCES OR EXITS
16. INSTALL A RECEPTACLE FOR ALL WALL OVER 2 WIDE, WITHIN 6 OF OPENINGS. THERE SHALL BE NO POINT ALONG WALL MORE THAN 6 FROM RECEPTACLE.
17. AT LEAST ONE OUTSIDE WEATHERPROOF 120-VOLT RECEPTACLE OUTLET ACCESSIBLE WHILE STANDING ATGRADE LEVEL ANDLOCATEDNOT MORE THAN 6-6 ABOVE GRADE INSTALLED@BACK ANDRONT OF DWELLING.
18. AT LEAST ONE OUTSIDE WEATHERPROOF 120-VOLT RECEPTACLE OUTLET INSTALLEDWITHIN THE PERIMETER OF THE BALCONY, DECK OR PORCH ANDLOCATEDNOT MORE THAN 6-1/2 FEET ABOVE THE FINISHEDSURFACE
19. ANY FIXEDAPPLIENCE SUCH AS DISPOSAL, DISHWASHER, CLOTHES WASHER, DRYER, BUILT-IN HEATER, OR ANY OTHER FIXEDAPPUANCE WITH 1/4 HP MOTOR OR LARGER, SHALL BE SEPARATE #12 AWG WIRE BRANCH CIRCUIT. EACH DWEWNG UNIT SHALL HAVE INSTALLEDTHEREIN AN INDIVIDUAL DISPOSAL CIRCUIT SUPPUEDWITH MINIMUN #12 AWG WIRE ANDA 15 AMP INDICATING-TYPE-T TYPE SWITCH
20. PROVIDMIN. 100 AMP ELECTRICAL SERVICE PANEL , CONTRACTOR TO VERIFY WITH ELECTRICAL COMPANY FOR LOCATION OF ELECTRICAL METER
21. LAUNDRY FACILITIES SHOULDBE ON SEPARATE CIRCUITS
22. WHEN LIGHTING WILL BE ADDEDOR REPLACEDIN THE KITCHEN, ALL NEWLY INSTALLEDLIGHTS SHALL BE HIGH EFFICACY UNTIL A MINIMUM OF 50% OF THE TOTAL RATEDWATTAGE OF PERMANENTLY INSTALLEDLIGHTING IN HIGH EFFICACY
23. HIGH EFFICACY LUMINAIRES SHALL BE SWITCHEDSEPARATELY FROM LOW EFFICACY LUMINAIRES ANDEXHAUST FANS
24. ARTIFICIAL LIGHT SHALL BE PROVIDEDTHAT IS ADEQUATE TO PROVIDE AN AVERAGE ILLUMINATION OF 6 FOOT-CANDLES OVER THE AREA OF THE ROOM@A HEIGHT OF 30 ABOVE THE FLOOR
25. STAIRWAYS WITHIN DWELLING UNITS ANDEXTERIOR STAIRWAYS SERVING A DWELLING UNIT SHALL HAVE AN ILLUMINATION LEVEL OF NOT LESS THAN 1 FOOT-CANDLE MEASURED@THE CENTER OF THE TREADS ANDLANDINGS
26. EXTERIOR STAIRWAYS SERVING A DWELLING UNIT SHALL HAVE AN ARTIFICIAL LIGHT SOURCE LOCATEDIN THE IMMEDIATE VICINITY OF THE TOP LANDING OF THE STAIRWAY
27. STAIRWAYS PROVIDING ACCESS TO A BASEMENT FROM THE OUTSIDE GRADE LEVEL SHALL PROVIDE AN ARTIFICIAL LIGHT SOURCE LOCATEDIN THE IMMEDIATE VICINITY OF THE BOTTOM LANDING
28. PERMANENTLY INSTALLEDOUTDOOR LIGHTING THAT WILL BE ADDEDOR REPLACEDSHALL BE HIGH EFFICACY. LOW EFFICACY LIGHTING IS ALLOWEDBUT ONLY WHEN FIXTURES ARE CONTROLLEDBY A MOTION SENSOR ANDONE OF THE FOLLOWING:

a. A PHOTO CONTROL OR,
b. AN ASTRONOMICAL TIME CLOCK OR,
c. C. AN ENERGY MANAGEMENT CONTROL SYSTEM (EMCS)

LICENSED ARCHITECT
MUSTAFA BOZAWI
RENEWAL DATE
08/31/2025
C33953
STATE OF CALIFORNIA

MUSTAFA BOZAWI, ARCHITECT
8/21/2023 8:46:14 PM

Project number
Date
Drawn by Author
Checked by Checker

No.	Description	Date

Dapper Car Sales Inc. Rep:/ Dmitri Skepanov

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GENERAL NOTE CONT.

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GN-2

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2023)

Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

Y	N/A	RESPON. PARTY

CHAPTER 3
GREEN BUILDING

SECTION 301 GENERAL

301.1 SCOPE. Buildings shall be designed to include the green building measures specified as mandatory in the application checklists contained in this code. Voluntary green building measures are also included in the application checklists and may be included in the design and construction of structures covered by this code, but are not required unless adopted by a city, county, or city and county as specified in Section 101.7.

301.3 NONRESIDENTIAL ADDITIONS AND ALTERATIONS. [BSC-CG] The provisions of individual sections of Chapter 5 apply to newly constructed buildings, building additions of 1,000 square feet or greater, and/or building alterations with a permit valuation of $200,000 or above (for occupancies within the authority of California Building Standards Commission). Code sections relevant to additions and alterations shall only apply to the portions of the building being added or altered within the scope of the permitted work.

A code section will be designated by a banner to indicate where the code section only applies to newly constructed buildings [N] or to additions and/or alterations [A]. When the code section applies to both, no banner will be used.

301.3.1 Nonresidential additions and alterations that cause updates to plumbing fixtures only:

Note: On and after January 1, 2014, certain commercial real property, as defined in Civil Code Section 1101.3, shall have its noncompliant plumbing fixtures replaced with appropriate water-conserving plumbing fixtures under specific circumstances. See Civil Code Section 1101.1 *et seq.* for definitions, types of commercial real property affected, effective dates, circumstances necessitating replacement of noncompliant plumbing fixtures, and duties and responsibilities for ensuring compliance.

301.3.2 Waste Diversion. The requirements of Section 5.408 shall be required for additions and alterations whenever a permit is required for work.

301.4 PUBLIC SCHOOLS AND COMMUNITY COLLEGES. (see GBSC)
301.5 HEALTH FACILITIES. (see GBSC)

SECTION 302 MIXED OCCUPANCY BUILDINGS

302.1 MIXED OCCUPANCY BUILDINGS. In mixed occupancy buildings, each portion of a building shall comply with the specific green building measures applicable to each specific occupancy.

SECTION 303 PHASED PROJECTS

303.1 PHASED PROJECTS. For shell buildings and others constructed for future tenant improvements, only those code measures relevant to the building components and systems considered to be new construction (or newly constructed) shall apply.

303.1.1 Initial Tenant improvements. The provisions of this code shall apply only to the initial tenant improvements to a project. Subsequent tenant improvements shall comply with the scoping provisions in Section 301.3 non-residential additions and alterations.

ABBREVIATION DEFINITIONS:

HCD	Department of Housing and Community Development
BSC	California Building Standards Commission
DSA-SS	Division of the State Architect, Structural Safety
OSHPD	Office of Statewide Health Planning and Development
LR	Low Rise
HR	High Rise
AA	Additions and Alterations
N	New

CHAPTER 5
NONRESIDENTIAL MANDATORY MEASURES

DIVISION 5.1 PLANNING AND DESIGN

SECTION 5.101 GENERAL

5.101.1 SCOPE
The provisions of this chapter outline planning, design and development methods that include environmentally responsible site selection, building design, building siting and development to protect, restore and enhance the environmental quality of the site and respect the integrity of adjacent properties.

SECTION 5.102 DEFINITIONS

5.102.1 DEFINITIONS
The following terms are defined in Chapter 2 *(and are included here for reference)*

CUTOFF LUMINAIRES. Luminaires whose light distribution is such that the candela per 1000 lamp lumens does not numerically exceed 25 (2.5 percent) at an angle of 90 degrees above nadir, and 100 (10 percent) at a vertical angle of 80 degrees above nadir. This applies to all lateral angles around the luminaire.

LOW-EMITTING AND FUEL EFFICIENT VEHICLES.
Eligible vehicles are limited to the following:

1. Zero emission vehicle (ZEV), enhanced advanced technology PZEV (enhanced AT ZEV) or transitional zero emission vehicles (TZEV) regulated under CCR, Title 13, Section 1962.
2. High-efficiency vehicles, regulated by U.S. EPA, bearing a fuel economy and greenhouse gas rating od 9 oe 10 as regulated under 40 CFR Section 600 Subpart D.

NEIGHBORHOOD ELECTRIC VEHICLE (NEV). A motor vehicle that meets the definition of "low-speed vehicle" either in Section 385.5 of the Vehicle Code or in 49CFR571.500 (as it existed on July 1, 2000), and is certified to zero-emission vehicle standards.

TENANT-OCCUPANTS. Building occupants who inhabit a building during its normal hours of operation as permanent occupants, such as employees, as distinguished from customers and other transient visitors.

VANPOOL VEHICLE. Eligible vehicles are limited to any motor vehicle, other than a motortruck or truck tractor, designed for carrying more than 10 but not more than 15 persons including the driver, which is maintained and used primarily for the nonprofit work-related transportation of adults for the purpose of ridesharing.

Note: Source: Vehicle Code, Division 1, Section 668

ZEV. Any vehicle certified to zero-emission standards.

SECTION 5.106 SITE DEVELOPMENT

5.106.1 STORM WATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB LESS THAN ONE ACRE OF LAND. Newly constructed projects and additions which disturb less than one acre of land, and are not part of a larger common plan of development or sale, shall prevent the pollution of storm water runoff from the construction activities through one or more of the following measures:

5.106.1.1 Local ordinance. Comply with a lawfully enacted storm water management and/or erosion control ordinance.

5.106.1.2 Best Management Practices (BMPs). Prevent the loss of soil through wind or water erosion by implementing an effective combination of erosion and sediment control and good housekeeping BMPs.

1. Soil loss BMPs that should be considered for implementation as appropriate for each project include, but are not limited to, the following:
   a. Scheduling construction activity during dry weather, when possible.
   b. Preservation of natural features, vegetation, soil, and buffers around surface waters.
   c. Drainage swales or lined ditches to control stormwater flow.
   d. Mulching or hydroseeding to stabilize disturbed soils.
   e. Erosion control to protect slopes.
   f. Protection of storm drain inlets (gravel bags or catch basin inserts).
   g. Perimeter sediment control (perimeter silt fence, fiber rolls).
   h. Sediment trap or sediment basin to retain sediment on site.
   i. Stabilized construction exits.
   j. Wind erosion control.
   k. Other soil loss BMPs acceptable to the enforcing agency.
2. Good housekeeping BMPs to manage construction equipment, materials, non-stormwater discharges and wastes that should be considered for implementation as appropriate for each project include, but are not limited to, the following:
   a. Dewatering activities.
   b. Material handling and waste management.
   c. Building materials stockpile management.
   d. Management of washout areas (concrete, paints, stucco, etc.).
   e. Control of vehicle/equipment fueling to contractor's staging area.
   f. Vehicle and equipment cleaning performed off site.
   g. Spill prevention and control.
   h. Other housekeeping BMPs acceptable to the enforcing agency.

5.106.2 STORMWATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB ONE OR MORE ACRES OF LAND. Comply with all lawfully enacted stormwater discharge regulations for projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of a larger common plan of development sale.

Note: Projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of the larger common plan of development or sale must comply with the post-construction requirements detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities issued by the State Water Resources Control Board or the Lahontan Regional Water Quality Control Board (for projects in the Lake Tahoe Hydrologic Unit).

The NPDES permits require postconstruction runoff (post-project hydrology) to match the preconstruction runoff (pre-project hydrology) with the installation of postconstruction stormwater management measures. The NPDES permits emphasize runoff reduction through on-site stormwater use, interception, evapotranspiration, and infiltration through nonstructural controls, such as Low Impact Development (LID) practices, and conversation design measures. Stormwater volume that cannot be addressed using nonstructural practices is required to be captured in structural practices and be approved by the enforcing agency.

Refer to the current applicable permits on the State Water Resources Control Board website at: www.waterboards.ca.gov/constructionstormwater. Consideration to the stormwater runoff management measures should be given during the initial design process for appropriate integration into site development.

5.106.4 BICYCLE PARKING. For buildings within the authority of California Building Standards Commission as specified in Section 103, comply with Section 5.106.4.1. For buildings within the authority of the Division of the State Architect pursuant to Section 105, comply with Section 5.106.4.2

5.106.4.1 Bicycle parking. [BSC-CG] Comply with Sections 5.106.4.1.1 and 5.106.4.1.2; or meet the applicable local ordinance, whichever is stricter.

5.106.4.1.1 Short-term bicycle parking. If the new project or an addition or alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack.
Exception: Additions or alterations which add nine or less visitor vehicular parking spaces.

5.106.4.1.2 Long-term bicycle parking. For new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5 percent of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility.

5.106.4.1.3 For additions or alterations that add 10 or more tenant-occupant vehicular parking spaces, provide secure bicycle parking for 5 percent of the tenant vehicular parking spaces being added, with a minimum of one bicycle parking facility.

5.106.4.1.4 For new shell buildings in phased projects provide secure bicycle parking for 5 percent of the anticipated tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility.

5.106.4.1.5 Acceptable bicycle parking facility for Sections 5.106.4.1.2, 5.106.4.1.3, and 5.106.4.1.4 shall be convenient from the street and shall meet one of the following:

1. Covered, lockable enclosures with permanently anchored racks for bicycles;
2. Lockable bicycle rooms with permanently anchored racks; or
3. Lockable, permanently anchored bicycle lockers.

Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.

5.106.4.2 Bicycle parking. [DSA-SS] For public schools and community colleges, comply with Sections 5.106.4.2.1 and 5.106.4.2.2

5.106.4.2.1 Student bicycle parking. Provide permanently anchored bicycle racks conveniently accessed with a minimum of four two-bike capacity racks per new building.
5.106.4.2.2 Staff bicycle parking. Provide permanent, secure bicycle parking conveniently accessed with a minimum of two staff bicycle parking spaces per new building. Acceptable bicycle parking facilities shall be convenient from the street or staff parking area and shall meet one of the following:

1. Covered, lockable enclosures with permanently anchored racks for bicycles;
2. Lockable bicycle rooms with permanently anchored racks; or
3. Lockable, permanently anchored bicycle lockers.

5.106.5.3 Electric vehicle (EV) charging. [N] Construction to provide electric vehicle infrastructure and facilitate electric vehicle charging shall comply with Section 5.106.5.3.1 and shall be provided in accordance with regulations in the California Building Code and the California Electrical Code.

Exceptions:
1. On a case-by-case basis where the local enforcing agency has determined compliance with this section is not feasible based upon one of the following conditions:
   a. Where there is no local utility power supply
   b. Where the local utility is unable to supply adequate power.
   c. Where there is evidence suitable to the local enforcement agency substantiating the local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.
2. Parking spaces accessible only by automated mechanical car parking systems are not required to comply with this code section

5.106.5.3.1 EV capable spaces.
[N] EV capable spaces shall be provided in accordance with Table 5.106.5.3.1 and the following requirements:
1. Raceways complying with the California Electrical Code and no less that 1-inch (25 mm) diameter shall be provided and shall originate at a service panel or a subpanel(s) serving the area, and shall terminate in close proximity to the proposed location of the EV capable and into a suitable listed cabinet, box,enclosure or equivalent. A common raceway may be used to serve multiple EV charging spaces.
2. A service panel or subpanel (s) shall be provided with panel space and electrical load capacity for a dedicated 208/240 volt, 40-ampere minimum branch circuit for each EV capable space, with delivery of 30-ampere minimum to an installed EVSE at each EVCS.
3. The electrical system and any on-site distribution transformers shall have sufficient capacity to supply full rated amperage at each EV capable space.
4. The service panel or subpanel circuit directory shall identify the reserved overcurrent protective devices space(s) as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE."

Note: A parking space served by electric vehicle supply equipment or designed as a future EV charging space shall count as at least one standard automobile parking space only for the purpose of complying with any applicable minimum parking space requirements established by an enforcement agency. See vehicle Code Section 22511.2 for further details.

TABLE 5.106.5.3.1

TOTAL NUMBER OF ACTUAL PARKING SPACES	NUMBER OF REQUIRED EV CAPABLE SPACES	NUMBER OF EVCS (EV CAPABLE SPACES PROVIDED WITH EVSE)*2
0-9	0	0
10-25	2	0
26-50	8	2
51-75	13	3
76-100	17	4
101-150	25	6
151-200	35	9
201 AND OVER	20% of total[1]	25% of EV capable spaces[1]

1. Where there is insufficient electrical supply.
2. The number of required EVCS (EV capable spaces provided with EVSE) in column 3 count towards the total number of required EV capable spaces shown in column 2.

5.106.5.3.2 Electric vehicle charging stations (EVCS)
EV capable spaces shall be provided with EVSE to create EVCS in the number indicated in Table 5.106.5.3.1. The EVCS required by Table 5.106.5.3.1 may be provided with EVSE in any combination of Level 2 and Direct Current Fast Charging (DCFC), except that at least one Level 2 EVSE shall be provided.

One EV charger with multiple connectors capable of charging multiple EVs simultaneously shall be permitted if the electrical load capacity required by Section 5.106.5.3.1 for each EV capable space is accumulatively supplied to the EV charger.

The installation of each DCFC EVSE shall be permitted to reduce the minimum number of required EV capable spaces without EVSE by five and reduce proportionally the required electrical load capacity to the service panel or subpanel.

5.106.5.3.3 Use of automatic load management systems (ALMS).
ALMS shall be permitted for EVCS. When ALMS is installed, the required electrical load capacity specified in Section 5.106.5.3.1 for each EVCS may be reduced when serviced by an EVSE controlled by an ALMS. Each EVSE controlled by an ALMS shall deliver a minimum 30 amperes to an EV when charging one vehicle and shall deliver a minimum 3.3 kW while simultaneously charging multiple EVs.

5.106.5.3.4 Accessible EVCS.
When EVSE is installed, accessible EVSC shall be provided in accordance with the *California Building Code*, Chapter 11B, Section 11B-228.3.
Note: For EVCS signs, refer to Caltrans Traffic Operations Policy Directive 13-01 (Zero Emission Vehicle Signs and Pavement Markings) or its successor(s).

5.106.5.4 Electric Vehicle (EV) charging: medium-duty and heavy-duty. [N]
Construction shall comply with section 5.106.5.4.1 to facilitate future installation of electric vehicle supply equipment (EVSE). Construction for warehouses, grocery stores and retail stores with planned off-street loading spaces shall also comply with Section 5.106.5.4.1 for future installation of medium- and heavy-duty EVSE.
Exceptions:
1. On a case-by-case basis where the local enforcing agency has determined compliance with this section is not feasible based upon one of the following conditions:
   a. Where there is no local utility power supply.
   b. Where the local utility is unable to supply adequate power.
   c. Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.

When EVSE(s) is/are installed, it shall be in accordance with the *California Building Code*, the *California Electrical Code* and as follows:

5.106.5.4.1 Electric vehicle charging readiness requirements for warehouse, grocery stores and retail stores with planned off-street loading spaces.
[N] In order to avoid future demolition when adding EV charging supply and distribution equipment, spare raceways(s) or busway(s) and adequate capacity for transformers(s), service panels(s) or subpanel(s) shall be installed at the time of construction in accordance with the California Electrical Code. Construction plans and specifications shall include but are not limited to, the following:
1. The transformer, main service equipment and subpanel shall meet the minimum power requirement in Table 5.106.5.4.1 to accommodate the dedicated branch circuits for the future installation of EVSE.
2. The construction documents shall indicate on or more location(s) convenient to the planned offstreet loading space(s) reserved for medium-and heavy-duty ZEV charging cabinets and charging dispensers, and a pathway reserved for routing of conduit from the termination of the raceway(s) or busway(s) to the charging cabinet(s) and dispenser(s) as shown in Table 5.106.5.4.1
3. Raceway(s) or busway(s) originating at a main service panel or a subpanel(s) serving the area where potential future medium-and heavy-duty EVSE will be located and shall terminate in close proximity to the potential future location of the charging equipments for medium- and heavy-duty vehicles.
4. The raceway(s) or busway(s) shall be sufficient size to carry the minimum additional system load to the future location of the charging for medium- and heavy-duty ZEVs as shown in Table 5.106.5.4.1.

TABLE 5.106.5.4.1 RACEWAY CONDUIT AND PANEL POWER REQUIREMENTS FOR MEDIUM- AND HEAVY-DUTY EVSE [N]

BUILDING TYPE	BUILDING SIZE (SQ. FT.)	NUMBER OF OFF-STREET LOADING SPACES	ADDITIONAL CAPACITY REQUIRED (KVA) FOR RACEWAY & BUSWAY AND TRANSFORMER & PANEL
Grocery	10,000 to 90,000	1 or 2	200
		3 or Greater	400
	Greater than 90,000	1 or Greater	400
Retail	10,000 to 135,000	1 or 2	200
		3 or Greater	400
	Greater than 135,000	1 or Greater	400
Warehouse	20,000 to 256,000	1 or 2	200
		3 or Greater	400
	Greater than 256,000	1 or Greater	400

5.106.8 LIGHT POLLUTION REDUCTION. [N]. I Outdoor lighting systems shall be designed and installed to comply with the following:

1. The minimum requirements in the California Energy Code for Lighting Zones 0-4 as defined in Chapter 10, Section 10-114 of the California Administrative Code; and
2. Backlight (B) ratings as defined in IES TM-15-11 (shown in Table A-1 in Chapter 8);
3. Uplight and Glare ratings as defined in California Energy Code (shown in Tables 130.2-A and 130.2-B in Chapter 8) and
4. Allowable BUG ratings not exceeding those shown in Table 5.106.8, [N] or Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent.

Exceptions: [N]

1. Luminaires that qualify as exceptions in Sections 130.2 (b) and 140.7 of the California Energy Code.
2. Emergency lighting.
3. Building facade meeting the requirements in Table 140.7-B of the California Energy Code, Part 6.
4. Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8 Alternate materials, designs and methods of construction.
5. Luminaires with less than 6,200 initial luminaire lumens.

TABLE 5.106.8 [N] MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT AND GLARE (BUG) RATINGS [1,2]

ALLOWABLE RATING	LIGHTING ZONE LZ0	LIGHTING ZONE LZ1	LIGHTING ZONE LZ2	LIGHTING ZONE LZ3	LIGHTING ZONE LZ4
MAXIMUM ALLOWABLE BACKLIGHT RATING [3]					
Luminaire greater than 2 mounting heights (MH) from property line	N/A	No Limit	No Limit	No Limit	No Limit
Luminaire back hemisphere is 1-2 MH from property line	N/A	B2	B3	B4	B4
Luminaire back hemisphere is 0.5-1 MH from property line	N/A	B1	B2	B3	B3
Luminaire back hemisphere is less than 0.5 MH from property line	N/A	B0	B0	B1	B2
MAXIMUM ALLOWABLE UPLIGHT RATING (U)					
For area lighting [3]	N/A	U0	U0	U0	U0
For all other outdoor lighting,including decorative luminaires	N/A	U1	U2	U3	UR
MAXIMUM ALLOWABLE GLARE RATING [3] **(G)**					
MAXIMUM ALLOWABLE GLARE RATING [3] **(G)**	N/A	G1	G2	G3	G4
MAXIMUM ALLOWABLE GLARE RATING [3] **(G)**	N/A	G0	G1	G1	G2
MAXIMUM ALLOWABLE GLARE RATING [3] **(G)**	N/A	G0	G0	G1	G1
MAXIMUM ALLOWABLE GLARE RATING [3] **(G)**	N/A	G0	G0	G0	G1

1. IESNA Lighting Zones 0 and 5 are not applicable; refer to Lighting Zones as defined in the *California Energy Code* and Chapter 10 of the *California Administrative Code*.

2. For property lines that abut public walkways, bikeways, plazas and parking lots, the property line may be considered to be 5 feet beyond the actual property line for purpose of determining compliance with this section. For property lines that abut public roadways and public transit corridors, the property line may be considered to be the centerline of the public roadway or public transit corridor for the purpose of determining compliance with this section.

3. General lighting luminaires in areas such as outdoor parking, sales or storage lots shall meet these reduced ratings. Decorative luminaires located in these areas shall meet *U*-value limits for "all other outdoor lighting"

5.106.8.1 Facing- Backlight
Luminaries within 2MH of a property line shall be oriented so that the nearest property line is behind the fixture, and shall comply with the backlight rating specified in Table 5.106.8 based on the lighting zone and distance to the nearest point of that property line.
Exception: Corners. If two property lines (or two segments of the same property line) have equidistant point to the luminaire, then the luminaire may be oriented so that the intersection of the two lines (the corner) is directly behind the luminaire. The luminaire shall still use the distance to the nearest points(s) on the property lines to determine the required backlight rating.

5.106.8.2 Facing-Glare.
For luminaires covered by 5.106.8.1, if a property line also exists within or extends into the front hemisphere within 2MH of the luminaire then the luminaire shall comply with the more stringent glare rating specified in Table 5.106.8 based on the lighting zone and distance to the nearest point on the nearest property line within the front hemisphere.

Note: [N]
1.See also *California Building Code*, Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and walkways.
2.Refer to Chapter 8 (Compliance Forms, Worksheets and Reference Material) for IES TM-15-11 Table A-1, *California Energy Code* Tables 130.2-A and 130.2-B.
3. Refer to the *California Building Code* for requirements for additions and alterations.

5.106.10 GRADING AND PAVING. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following:

1. Swales.
2. Water collection and disposal systems.
3. French drains.
4. Water retention gardens.
5. Other water measures which keep surface water away from buildings and aid in groundwater recharge.
Exception: Additions and alterations not altering the drainage path.

5.106.12 SHADE TREES [DSA-SS]. Shade Trees shall be planted to comply with Sections 5.106.12.1, 5.106.12.2, and 5.106.12.3. Percentages shown shall be measured at noon on the summer solstice. Landscape irrigation necessary to establish and maintain tree health shall comply with Section 5.304.6.

5.106.12.1 Surface parking areas. Shade tree plantings, minimum #10 container size or equal, shall be installed to provide shade over 50 percent of the parking area within 15 years.

Exceptions: Surface parking area covered by solar photovoltaic shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5 shall be permitted in whole or in part in lieu of shade tree planting.

5.106.12.2 Landscape areas. Shade tress plantings, minimum #10 container size or equal shall be installed to provide shade of 20% of the landscape area within 15 years.

Exceptions: Playfields for organized sport activity are not included in the total area calculation.

5.106.12.3. Hardscape areas. Shade tree plantings, minimum #10 container size or equal shall be installed to provide shade over 20 percent of the hardscape area within 15 years.

Exceptions:
1. Walks, hardscape areas covered by solar photovoltaic shade structures or shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5 shall be permitted in whole or in part in lieu of shade tree planting.
2. Designated and marked play areas of organized sport activity are not included in the total area calculation.

DIVISION 5.2 ENERGY EFFICIENCY

SECTION 5.201 GENERAL

5.201.1 Scope [BSC-CG]. ***California Energy Code [DSA-SS].*** For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory building standards.

DIVISION 5.3 WATER EFFICIENCY AND CONSERVATION

SECTION 5.301 GENERAL

5.301.1 Scope. The provisions of this chapter shall establish the means of conserving water use indoors, outdoors and in wastewater conveyance.

SECTION 5.302 DEFINITIONS

5.302.1 Definitions. The following terms are defined in Chapter 2 *(and are included here for reference)*

EVAPOTRANSPIRATION ADJUSTMENT FACTOR (ETAF) [DSA-SS]. An adjustment factor when applied to reference evapotranspiration that adjusts for plant factors and irrigation efficiency, which ae two major influences on the amount of water that needs to be applied to the landscape.

FOOTPRINT AREA [DSA-SS]. The total area of the furthest exterior wall of the structure projected to natural grade, not including exterior areas such as stairs, covered walkways, patios and decks.

METERING FAUCET. A self-closing faucet that dispenses a specific volume of water for each actuation cycle. The volume or cycle duration can be fixed or adjustable.

GRAYWATER. Pursuant to Health and Safety Code Section 17922.12, "graywater" means untreated wastewater that has not been contaminated by any toilet discharge, has not been affected by infectious, contaminated, or unhealthy bodily wastes, and does not present a threat from contamination by unhealthful processing, manufacturing, or operating wastes. "Graywater" includes, but is not limited to wastewater from bathtubs, showers, bathroom washbasins, clothes washing machines and laundry tubs, but does not include waste water from kitchen sinks or dishwashers.

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). The California ordinance regulating landscape design, installation and maintenance practices that will ensure commercial, multifamily and other developer installed landscapes greater than 2500 square feet meet an irrigation water budget developed based on landscaped area and climatological parameters.

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). [HCD] The California model ordinance (California Code of Regulations, Title 23, Division 2, Chapter 2.7), regulating landscape design, installation and maintenance practices. Local agencies are required to adopt the updated MWELO, or adopt a local ordinance at least as effective as the MWELO.

POTABLE WATER. Water that is drinkable and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards. See definition in the California Plumbing Code, Part 5.

POTABLE WATER. [HCD] Water that is satisfactory for drinking, culinary, and domestic purposes, and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards and the requirements of the Health Authority Having Jurisdiction.

RECYCLED WATER. Water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur (Water Code Section 13050 (n)). Simply put, recycled water is water treated to remove waste matter attaining a quality that is suitable to use the water again.

SUBMETER. [HCD 1] A secondary device beyond a meter that measures water consumption of an individual rental unit within a multiunit residential structure or mixed-use residential and commercial structure. (See Civic Code Section 1954.202 (g) and Water code Section 517 for additional details.)

WATER BUDGET. Is the estimated total landscape irrigation water use which shall not exceed the maximum applied water allowance calculated in accordance with the Department of Water Resources Model Efficient Landscape Ordinance (MWELO).

LICENSED ARCHITECT MUSTAFA BIZAWI C-39953 STATE OF CALIFORNIA EXP. DATE 08/26/2025

MUSTAFA BIZAWI, ARCHITECT
8/21/2023 8:46:16 PM

Project number
Date
Drawn by Author
Checked by Checker

No.	Description	Date

Dapper Car Sales Inc. Rep:/ Dmitri Skepanov

Dapper Car Sales

2601 West Whittier Boulevard La Habra Ca

GREEN BUILDING STANDARDS

Scale

ARCHITECT AND ASSOCIATES INC.
410 PARKCENTER DR
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SANTA ANA, CA 92705
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GB-1

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE
NONRESIDENTIAL MANDATORY MEASURES, SHEET 2 (January 2023)

Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

Y | N/A | RESPON. PARTY

SECTION 5.303 INDOOR WATER USE

5.303.1 METERS. Separate submeters or metering devices shall be installed for the uses described in Sections 503.1.1 and 503.1.2.

5.303.1.1 Buildings in excess of 50,000 square feet. Separate submeters shall be installed as follows:

1. For each individual leased, rented or other tenant space within the building projected to consume more than 100 gal/day (380 L/day), including, but not limited to, spaces used for laundry or cleaners, restaurant or food service, medical or dental office, laboratory, or beauty salon or barber shop.
2. Where separate submeters for individual building tenants are unfeasible, for water supplied to the following subsystems:
   a. Makeup water for cooling towers where flow through is greater than 500 gpm (30 L/s).
   b. Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s).
   c. Steam and hot water boilers with energy input more than 500,000 Btu/h (147 kW).

5.303.1.2 Excess consumption. A separate submeter or metering device shall be provided for any tenant within a new building or within an addition that is projected to consume more than 1,000 gal/day.

5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:

5.303.3.1 Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-Type toilets.

Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.

5.303.3.2 Urinals.
5.303.3.2.1 Wall-mounted Urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush.

5.303.3.2.2 Floor-mounted Urinals. The effective flush volume of floor-mounted or other urinals shall not exceed 0.5 gallons per flush.

5.303.3.3 Showerheads. [BSC-CG]
5.303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.

5.303.3.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time.
Note: A hand-held shower shall be considered a showerhead.

5.303.3.4 Faucets and fountains.

5.303.3.4.1 Nonresidential Lavatory faucets. Lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi.

5.303.3.4.2 Kitchen faucets. Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi.

5.303.3.4.3 Wash fountains. Wash fountains shall have a maximum flow rate of not more than1.8 gallons per minute/20 [rim space (inches) at 60 psi].

5.303.3.4.4 Metering faucets. Metering faucets shall not deliver more than 0.20 gallons per cycle.

5.303.3.4.5 Metering faucets for wash fountains. Metering faucets for wash fountains shall have a maximum flow rate of not more than 0.20 gallons per minute/20 [rim space (inches) at 60 psi].

Note: Where complying faucets are unavailable, aerators or other means may be used to achieve reduction.

5.303.3.4.6 Pre-rinse spray value
When installed, shall meet the requirements in the *California Code of Regulations*, Title 20 (Appliance Efficiency Regulations), Section 1605.1 (h)(4) Table H-2, Section 1605.3 (h)(4)(A), and Section 1607 (d)(7), and shall be equipped with an integral automatic shutoff.

FOR REFERENCE ONLY: The following table and code section have been reprinted from the *California Code of Regulations*, Title 20 (Appliance Efficiency Regulations), Section 1605.1 (h)(4) and Section 1605.3 (h)(4)(A).

TABLE H-2

STANDARDS FOR COMMERCIAL PRE-RINSE SPRAY VALUES MANUFACTURED ON OR AFTER JANUARY 28, 2019

PRODUCT CLASS [spray force in ounce force (ozf)]	MAXIMUM FLOW RATE (gpm)
Product Class 1 (≤ 5.0 ozf)	1.00
Product Class 2 (> 5.0 ozf and ≤ 8.0 ozf)	1.20
Product Class 3 (> 8.0 ozf)	1.28

5.303.4 COMMERCIAL KITCHEN EQUIPMENT.

5.303.4.1 Food Waste Disposers. Disposers shall either modulate the use of water to no more than 1 gpm when the disposer is not in use (not actively grinding food waste/no-load) or shall automatically shut off after no more than 10 minutes of inactivity. Disposers shall use no more than 8 gpm of water.
Note: This code section does not affect local jurisdiction authority to prohibit or require disposer installation.

5.303.5 AREAS OF ADDITION OR ALTERATION. For those occupancies within the authority of the California Building Standards Commission as specified in Section 103, the provisions of Section 5.303.3 and 5.303.4 shall apply to new fixtures in additions or areas of alteration to the building.

5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures and fittings shall be installed in accordance with the *California Plumbing Code*, and shall meet the applicable standards referenced in Table 1701.1 of the *California Plumbing Code* and in Chapter 6 of this code.

SECTION 5.304 OUTDOOR WATER USE

5.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent.

Notes:
1. The Model Water Efficient Landscape Ordinance (MWELO) is located in the California Code of Regulations, Title 23, Chapter 2.7, Division 2.
2. MWELO and supporting documents, including a water budget calculator, are available at: https://www.water.ca.gov/.

5.304.6 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. For public schools and community colleges, landscape projects as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the California Department of Water Resources Model Water Efficient Landscape Ordinance (MWELO) commencing with Section 490 of Chapter 2.7, Division 2, Title 23, *California Code of Regulations*, except that the evapotranspiration adjustment factor (ETAF) shall be 0.65 with an additional water allowance for special landscape areas (SLA) of 0.35.

Exception: Any project with an aggregate landscape area of 2,500 square feet or less may comply with the prescriptive measures contained in Appendix D of the MWELO.

5.304.6.1 Newly constructed landscapes. New construction projects with an aggregate landscape area equal to or greater than 500 square feet.

5.304.6.2 Rehabilitated landscapes. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 1,200 square feet.

DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

SECTION 5.401 GENERAL

5.401.1 SCOPE: The provisions of this chapter shall outline means of achieving material conservation and resource efficiency through protection of buildings from exterior moisture, construction waste diversion, employment of techniques to reduce pollution through recycling of materials, and building commissioning or testing and adjusting.

SECTION 5.402 DEFINITIONS

5.402.1 DEFINITIONS. The following terms are defined in Chapter 2 *(and are included here for reference)*

ADJUST. To regulate fluid flow rate and air patterns at the terminal equipment, such as to reduce fan speed or adjust a damper.

BALANCE. To proportion flows within the distribution system, including sub-mains, branches and terminals, according to design quantities.

BUILDING COMMISSIONING. A systematic quality assurance process that spans the entire design and construction process, including verifying and documenting that building systems and components are planned, designed, installed, tested, operated and maintained to meet the owner's project requirements.

ORGANIC WASTE. Food waste, green waste, landscape and pruning wste, nonhazardous wood waste, and food soiled paper waste that is mixed in with food waste.

TEST. A procedure to determine quantitative performance of a system or equipment

SECTION 5.407 WATER RESISTANCE AND MOISTURE MANAGEMENT

5.407.1 WEATHER PROTECTION. Provide a weather-resistant exterior wall and foundation envelope as required by California Building Code Section 1402.2 (Weather Protection), manufacturer's installation instructions or local ordinance, whichever is more stringent.

5.407.2 MOISTURE CONTROL. Employ moisture control measures by the following methods.

5.407.2.1 Sprinklers. Design and maintain landscape irrigation systems to prevent spray on structures.

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

5.407.2.2.1 Exterior door protection. Primary exterior entries shall be covered to prevent water intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following:

1. An installed awning at least 4 feet in depth.
2. The door is protected by a roof overhang at least 4 feet in depth.
3. The door is recessed at least 4 feet.
4. Other methods which provide equivalent protection.

5.407.2.2.2 Flashing. Install flashings integrated with a drainage plane.

SECTION 5.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING

5.408.1 CONSTRUCTION WASTE MANAGEMENT. Recycle and/or salvage for reuse a minimum of 65% of the non-hazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent.

5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and demolition waste management ordinance, submit a construction waste management plan that:

1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale.
2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream).
3. Identifies diversion facilities where construction and demolition waste material collected will be taken.
4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.

5.408.1.2 Waste Management Company. Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.

Note: The owner or contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company.

Exceptions to Sections 5.408.1.1 and 5.408.1.2:

1. Excavated soil and land-clearing debris.
2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist.
3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets.

5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 65% minimum requirement as approved by the enforcing agency.

5.408.1.4 Documentation. Documentation shall be provided to the enforcing agency which demonstrates compliance with Sections 5.408.1.1, through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency.

Notes:

1. Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located www.dgs.ca.gov/BSC/Resources/Page-Content/Building-Standards-Commission-Resources-List-Folder/CALGreen may be used to assist in documenting compliance with the waste management plan.
2. Mixed construction and demolition debris processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).

5.408.2 UNIVERSAL WASTE. [A] Additions and alterations to a building or tenant space that meet the scoping provisions in Section 301.3 for nonresidential additions and alterations, shall require verification that Universal Waste items such as fluorescent lamps and ballast and mercury containing thermostats as well as other California prohibited Universal Waste materials are disposed of properly and are diverted from landfills. A list of prohibited Universal Waste materials shall be included in the construction documents.

Note: Refer to the Universal Waste Rule link at: http://www.dtsc.ca.gov/universalwaste/

5.408.3 EXCAVATED SOIL AND LAND CLEARING DEBRIS. 100 percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed.

Exception: Reuse, either on or off-site, of vegetation or soil contaminated by disease or pest infestation.

Notes:

1. If contamination by disease or pest infestation is suspected, contact the County Agricultural Commissioner and follow its direction for recycling or disposal of the material.
2. For a map of know pest and/or disease quarantine zones, consult with the California Department of Food and Agriculture. (www.cdfa.ca.gov)

SECTION 5.410 BUILDING MAINTENANCE AND OPERATIONS

5.410.1 RECYCLING BY OCCUPANTS. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive.

Exception: Rural jurisdictions that meet and apply for the exemption in Public Resources Code 42649.82 (a)(2)(A) et seq. shall also be exempt from the organic waste portion of this section.

5.410.1.1 Additions. All additions conducted within a 12-month period under single or multiple permits, resulting in an increase of 30% or more in floor area, shall provide recycling areas on site.

Exception: Additions within a tenant space resulting in less than a 30% increase in the tenant space floor area.

5.410.1.2 Sample ordinance. Space allocation for recycling areas shall comply with Chapter 18, Part 3, Division 30 of the *Public Resources Code*. Chapter 18 is known as the California Solid Waste Reuse and Recycling Access Act of 1991 (Act).

Note: A sample ordinance for use by local agencies may be found in Appendix A of the document at the CalRecycle's web site.

5.410.2 COMMISSIONING. [N] New buildings 10,000 square feet and over. For new buildings 10,000 square feet and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements. Commissioning shall be performed in accordance with this section by trained personnel with experience on projects of comparable size and complexity. For I-occupancies that are not regulated by OSHPD or for I-occupancies and L-occupancies that are not regulated y the California Energy Code Section 100.0 Scope, all requirements in Sections 5.410.2 through 5.410.2.6 shall apply.

Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including heating, ventilation, air conditioning (HVAC) systems and controls, indoor lighting systems and controls, as well as water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements

Commissioning requirements shall include:

1. Owner's or Owner representative's project requirements.
2. Basis of design.
3. Commissioning measures shown in the construction documents.
4. Commissioning plan.
5. Functional performance testing.
6. Documentation and training.
7. Commissioning report.

Exceptions:

1. Unconditioned warehouses of any size.
2. Areas less than 10,000 square feet used for offices or other conditioned accessory spaces within unconditioned warehouses.
3. Tenant improvements less than 10,000 square feet as described in Section 303.1.1.
4. Open parking garages of any size, or open parking garage areas, of any size, within a structure.

Note: For the purposes of this section, unconditioned shall mean a building, area, or room which does not provide heating and or air conditioning.

Informational Notes:

1. IAS AC 476 is an accreditation criteria for organizations providing training and/or certification of commissioning personnel. AC 476 is available to the Authority Having Jurisdiction as a reference for qualifications of commissioning personnel. AC 476 des not certify individuals to conduct functional performance tests or to adjust and balance systems.
2. Functional performance testing for heating, ventilation, air conditioning systems and lighting controls must be performed in compliance with the *California Energy Code*.

5.410.2.1 Owner's or Owner Representative's Project Requirements (OPR). [N] The expectations and requirements of the building appropriate to its phase shall be documented before the design phase of the project begins. This documentation shall include the following:
1. Environmental and sustainability goals.
2. Building sustainable goals.
3. Indoor environmental quality requirements.
4. Project program, including facility functions and hours of operation, and need for after hours operation.
5. Equipment and systems expectations.
6. Building occupant and operation and maintenance (O&M) personnel expectations.

5.410.2.2 Basis of Design (BOD). [N] A written explanation of how the design of the building systems meets the OPR shall be completed at the design phase of the building project. The Basis of Design document shall cover the following systems:

1. Renewable energy systems.
2. Landscape irrigation systems.
3. Water reuse system.

5.410.2.3 Commissioning plan. [N] Prior to permit issuance a commissioning plan shall be completed to document how the project will be commissioned. The commissioning plan shall include the following:
1. General project information.
2. Commissioning goals.
3. Systems to be commissioned. Plans to test systems and components shall include:
   a. An explanation of the original design intent.
   b. Equipment and systems to be tested, including the extent of tests.
   c. Functions to be tested.
   d. Conditions under which the test shall be performed.
   e. Measurable criteria for acceptable performance.
4. Commissioning team information.
5. Commissioning process activities, schedules and responsibilities. Plans for the completion of commissioning shall be included.

5.410.2.4 Functional performance testing. [N] Functional performance tests shall demonstrate the correct installation and operation of each component, system and system-to-system interface in accordance with the approved plans and specifications. Functional performance testing reports shall contain information addressing each of the building components tested, the testing methods utilized, and include any readings and adjustments made.

5.410.2.5 Documentation and training. [N] A Systems Manual and Systems Operations Training are required, including Occupational Safety and Health Act (OSHA) requirements in *California Code of Regulations* (CCR), Title 8, Section 5142, and other related regulations.

5.410.2.5.1 Systems manual. [N] Documentation of the operational aspects of the building shall be completed within the systems manual and delivered to the building owner or representative. The systems manual shall include the following:
1. Site information, including facility description, history and current requirements.
2. Site contact information.
3. Basic operations and maintenance, including general site operating procedures, basic troubleshooting, recommended maintenance requirements, site events log.
4. Major systems.
5. Site equipment inventory and maintenance notes.
6. A copy of verifications required by the enforcing agency or this code.
7. Other resources and documentation, if applicable.

5.410.2.5.2 Systems operations training. [N] A program for training of the appropriate maintenance staff for each equipment type and/or system shall be developed and documented in the commissioning report and shall include the following:
1. System/equipment overview (what it is, what it does and with what other systems and/or equipment it interfaces).
2. Review and demonstration of servicing/preventive maintenance.
3. Review of the information in the Systems Manual.
4. Review of the record drawings on the system/equipment.

5.410.2.6 Commissioning report. [N] A report of commissioning process activities undertaken through the design and construction phases of the building project shall be completed and provided to the owner or representative.

5.410.4 TESTING AND ADJUSTING. New buildings less than 10,000 square feet. Testing and adjusting of systems shall be required for new buildings less than 10,000 square feet or new systems to serve an addition or alteration subject to Section 303.1.

5.410.4.2 (Reserved)

Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including heating, ventilation, air conditioning (HVAC) systems and controls, indoor lighting system and controls, as well as water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements and Sections 120.5, 120.6, 130.4, and 140.9(b)3 for additional testing requirements of specific systems.

5.410.4.2 Systems. Develop a written plan of procedures for testing and adjusting systems. Systems to be included for testing and adjusting shall include at a minimum, as applicable to the project:

1. Renewable energy systems.
2. Landscape irrigation systems.
3. Water reuse systems.

5.410.4.3 Procedures. Perform testing and adjusting procedures in accordance with manufacturer's specifications and applicable standards on each system.

5.410.4.3.1 HVAC balancing. In addition to testing and adjusting, before a new space-conditioning system serving a building or space is operated for normal use, the system shall be balanced in accordance with the procedures defined by the Testing Adjusting and Balancing Bureau National Standards; the National Environmental Balancing Bureau Procedural Standards; Associated Air Balance Council National Standards or as approved by the enforcing agency.

5.410.4.4 Reporting. After completion of testing, adjusting and balancing, provide a final report of testing signed by the individual responsible for performing these services.

5.410.4.5 Operation and maintenance (O & M) manual. Provide the building owner or representative with detailed operating and maintenance instructions and copies of guaranties/warranties for each system. O & M instructions shall be consistent with OSHA requirements in CCR, Title 8, Section 5142, and other related regulations.

5.410.4.5.1 Inspections and reports. Include a copy of all inspection verifications and reports required by the enforcing agency.

DIVISION 5.5 ENVIRONMENTAL QUALITY

SECTION 5.501 GENERAL

5.501.1 SCOPE. The provisions of this chapter shall outline means of reducing the quantity of air contaminants that are odorous, irritating, and/or harmful to the comfort and well-being of a building's installers, occupants and neighbors.

SECTION 5.502 DEFINITIONS

5.502.1 DEFINITIONS. The following terms are defined in Chapter 2 *(and are included here for reference)*

ARTERIAL HIGHWAY. A general term denoting a highway primarily for through traffic usually on a continuous route.

A-WEIGHTED SOUND LEVEL (dBA). The sound pressure level in decibels as measured on a sound level meter using the internationally standardized A-weighting filter or as computed from sound spectral data to which A-weighting adjustments have been made.

1 BTU/HOUR. British thermal units per hour, also referred to as Btu. The amount of heat required to raise one pound of water one degree Fahrenheit per hour, a common measure of heat transfer rate. A ton of refrigeration is 12,000 Btu, the amount of heat required to melt a ton (2,000 pounds) of ice at 32^0 Fahrenheit.

COMMUNITY NOISE EQUIVALENT LEVEL (CNEL). A metric similar to the day-night average sound level (Ldn), except that a 5 decibel adjustment is added to the equivalent continuous sound exposure level for evening hours (7pm to 10pm) in addition to the 10 dB nighttime adjustment used in the Ldn.

COMPOSITE WOOD PRODUCTS. Composite wood products include hardwood plywood, particleboard and medium density fiberboard. "Composite wood products" does not include hardboard, structural plywood, structural panels, structural composite lumber, oriented strand board, glued laminated timber, timber, prefabricated wood I–joists or finger–jointed lumber, all as specified in California Code of Regulations (CCR), Title 17, Section 93120.1(a).

Note: See CCR, Title 17, Section 93120.1.

DAY-NIGHT AVERAGE SOUND LEVEL (Ldn). The A-weighted equivalent continuous sound exposure level for a 24-hour period with a 10 dB adjustment added to sound levels occurring during nighttime hours (10p.m. to 7 a.m.).

DECIBEL (db). A measure on a logarithmic scale of the magnitude of a particular quantity (such as sound pressure, sound power, sound intensity) with respect to a reference quantity.

ELECTRIC VEHICLE (EV). An automotive-type vehicle for on-road use, such as passenger automobiles, buses, trucks, vans, neighborhood electric vehicles, electric motorcycles, and the like, primarily powered by an electric motor that draws current from a rechargeable storage battery, fuel cell, photovoltaic array, or other source of electric current. Plug-in hybrid electric vehicles (PHEV) are considered electric vehicles. For purposes of the *California Electrical Code*, off-road, self-propelled electric vehicles, such as industrial trucks, hoists, lifts, transports, golf carts, airline ground support equipment, tractors, boats, and the like, are not included.

ELECTRIC VEHICLE CHARGING STATION(S) (EVCS). One or more spaces intended for charging electric vehicles.

ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE). The conductors, including the ungrounded, grounded, and equipment grounding conductors and the electric vehicle connectors, attachment plugs, and all other fittings, devices, power outlets, or apparatus installed specifically for the purpose of transferring energy between the premises wiring and the electric vehicle.

ENERGY EQUIVALENT (NOISE) LEVEL (Leq). The level of a steady noise which would have the same energy as the fluctuating noise level integrated over the time of period of interest.

EXPRESSWAY. An arterial highway for through traffic which may have partial control of access, but which may or may not be divided or have grade separations at intersections.

FREEWAY. A divided arterial highway with full control of access and with grade separations at intersections.

GLOBAL WARMING POTENTIAL (GWP). The radiative forcing impact of one mass-based unit of a given greenhouse gas relative to an equivalent unit of carbon dioxide over a given period of time. Carbon dioxide is the reference compound with a GWP of one.

GLOBAL WARMING POTENTIAL VALUE (GWP VALUE). A 100-year GWP value published by the Intergovernmental Panel on Climate Change (IPCC) in either its Second Assessment Report (SAR) (IPCC, 1995); or its Fourth Assessment A-3 Report (AR4) (IPCC, 2007). The SAR GWP values are found in column "SAR (100-yr)" of Table 2.14.; the AR4 GWP values are found in column "100 yr" of Table 2.14.

HIGH-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that is: (a) a chlorofluorocarbon, a hdrochlorofluorocarbon, a hydrofluorocarbon, a perfluorocarbon, or any compound or blend of compounds, with a GWP value equal to or greater than 150, or (B) any ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009)**.**

LONG RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, with a radius 1.5 times the pipe diameter.

LOW-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that: (A) has a GWP value less than 150, and (B) is not an ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009).

MERV. Filter minimum efficiency reporting value, based on ASHRAE 52.2–1999.

MAXIMUM INCREMENTAL REACTIVITY (MIR). The maximum change in weight of ozone formed by adding a compound to the "Base REactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to hundreths of a gram (g O^3/g ROC).

PRODUCT-WEIGHTED MIR (PWMIR). The sum of all weighted-MIR for all ingredients in a product subject to this article. The PWMIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of product (excluding container and packaging).

PSIG. Pounds per square inch, guage.

REACTIVE ORGANIC COMPOUND (ROC). Any compound that has the potential, once emitted, to contribute to ozone formation in the troposphere.

SCHRADER ACCESS VALVES. Access fittings with a valve core installed.

SHORT RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, with a radius 1.0 times the pipe diameter.

SUPERMARKET. For the purposes of Section 5.508.2, a supermarket is any retail food facility with 8,000 square feet or more conditioned area, and that utilizes either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units.

VOC. A volatile organic compound broadly defined as a chemical compound based on carbon chains or rings with vapor pressures greater than 0.1 millimeters of mercury at room temperature. These compounds typically contain hydrogen and may contain oxygen, nitrogen and other elements. See CCR Title 17, Section 94508(a)

Note: Where specific regulations are cited from different agencies such as SCAQMD, ARB, etc., the VOC definition included in that specific regulation is the one that prevails for the specific measure in question.

SECTION 5.503 FIREPLACES

5.503.1 FIREPLACES. Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed woodstove or pellet stove, and refer to residential requirements in the California Energy Code, Title 24, Part 6, Subchapter 7, Section 150. Woodstoves, pellet stoves and fireplaces shall comply with applicable local ordinances.

5.503.1.1 Woodstoves. Woodstoves and pellet stoves shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits.

SECTION 5.504 POLLUTANT CONTROL

5.504.1 TEMPORARY VENTILATION. The permanent HVAC system shall only be used during construction if necessary to condition the building or areas of addition or alteration 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, or, if the building is occupied during alteration, at the conclusion of construction.

5.504.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of rough installation and during storage on the construction site until final startup of the heating, cooling and ventilation 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.

LICENSED ARCHITECT
MUSTAFA BADAWI
No. C33953
STATE OF CALIFORNIA
DATE 8/21/2025

MUSTAFA BADAWI, ARCHITECT
8/21/2023 8:46:21 PM

Project number
Date
Drawn by: Author
Checked by: Checker

No.	Description	Date

Dapper Car Sales Inc. Repr.: Dmitri Stepanov

Dapper Car Sales

2601 West Whittier Boulevard
La Habra Ca

GREEN BUILDING STANDARDS

Scale

MUSTAFA BADAWI ARCHITECT INC.
6 CORPORATE PARK
SUITE 230
IRVINE, CA 92606
www.mbarchinc.com
TEL: 714.675.6614
FAX: 714.675.6614

GB-2

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE
NONRESIDENTIAL MANDATORY MEASURES, SHEET 3 (January 2023)

Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

LICENSED ARCHITECT MUSTAFA BOZAWI C-33953 STATE OF CALIFORNIA
DATE 8/21/2025

MUSTAFA BOZAWI, ARCHITECT
8/21/2023 8:46:24 PM

Y | N/A | RESPON. PARTY

5.504.4 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.6.

5.504.4.1 Adhesives, sealants and caulks. Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards:

1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products as specified in subsection 2, below.

2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of *California Code of Regulations*, Title 17, commencing with Section 94507.

TABLE 5.504.4.1 - ADHESIVE VOC LIMIT[1,2]

Less Water and Less Exempt Compounds in Grams per Liter

ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
INDOOR CARPET ADHESIVES	50
CARPET PAD ADHESIVES	50
OUTDOOR CARPET ADHESIVES	150
WOOD FLOORING ADHESIVES	100
RUBBER FLOOR ADHESIVES	60
SUBFLOOR ADHESIVES	50
CERAMIC TILE ADHESIVES	65
VCT & ASPHALT TILE ADHESIVES	50
DRYWALL & 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	490
ABS WELDING	325
PLASTIC CEMENT WELDING	250
ADHESIVE PRIMER FOR PLASTIC	550
CONTACT ADHESIVE	80
SPECIAL PURPOSE CONTACT ADHESIVE	250
STRUCTURAL WOOD MEMBER ADHESIVE	140
TOP & TRIM ADHESIVE	250
SUBSTRATE SPECIFIC APPLICATIONS	
METAL TO METAL	30
PLASTIC FOAMS	50
POROUS MATERIAL (EXCEPT WOOD)	50
WOOD	30
FIBERGLASS	80

1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER, THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.

2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168, www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF

TABLE 5.504.4.2 - SEALANT VOC LIMIT

Less Water and Less Exempt Compounds in Grams per Liter

SEALANTS	CURRENT VOC LIMIT
ARCHITECTURAL	250
MARINE DECK	760
NONMEMBRANE ROOF	300
ROADWAY	250
SINGLE-PLY ROOF MEMBRANE	450
OTHER	420
SEALANT PRIMERS	
ARCHITECTURAL	
NONPOROUS	250
POROUS	775
MODIFIED BITUMINOUS	500
MARINE DECK	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.

5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36 and 4.37 of the 2007 California Air Resources Board Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.

5.504.4.3.1 Aerosol Paints and coatings. Aerosol paints and coatings shall meet the PWMIR Limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(c)(2) and (d)(2) of *California Code of Regulations*, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8 Rule 49.

Y | N/A | RESPON. PARTY

TABLE 5.504.4.3 - CONT.

GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS

COATING CATEGORY	CURRENT VOC LIMIT
SPECIALTY COATINGS	
ALUMINUM ROOF COATINGS	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
BITUMINOUS ROOF PRIMERS	350
BOND BREAKERS	350
CONCRETE CURING COMPOUNDS	350
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	50
DRY FOG COATINGS	150
FAUX FINISHING COATINGS	350
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	100
FORM-RELEASE COMPOUNDS	250
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
HIGH-TEMPERATURE COATINGS	420
INDUSTRIAL MAINTENANCE COATINGS	250
LOW SOLIDS COATINGS[1]	120
MAGNESITE CEMENT COATINGS	450
MASTIC TEXTURE COATINGS	100
METALLIC PIGMENTED COATINGS	500
MULTICOLOR COATINGS	250
PRETREATMENT WASH PRIMERS	420
PRIMERS, SEALERS, & UNDERCOATERS	100
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	250
SHELLACS:	
CLEAR	730
OPAQUE	550
SPECIALTY PRIMERS, SEALERS & UNDERCOATERS	100
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	100
TUB & TILE REFINISH COATINGS	420
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350
ZINC-RICH PRIMERS	340

1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS

2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE.

3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2008. MORE INFORMATION IS AVAILABLE FROM THE AIR RESOURCES BOARD.

5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following:

1. Manufacturer's product specification
2. Field verification of on-site product containers

5.504.4.4 Carpet Systems.
All carpet installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers." Version 1.2, January 2017 (Emission testing method for California Specifications 01350).

See California Department of Public Health's website for certification programs and testing labs.
https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the California Department of Public Health,"Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers,"Version 1.2, January 2017 (Emission testing method for California Specifications 01350).

See California Department of Public Health's website for certification programs and testing labs.
https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1.

5.504.4.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the buildings shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure (ATCM) for Composite Wood (17 CCR 93120 et seq.). Those materials not exempted under the ATCM must meet the specified emission limits, as shown in Table 5.504.4.5.

5.504.4.5.3 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:

1. Product certifications and specifications.
2. Chain of custody certifications.
3. Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.).
4. Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269 or European 636 3S standards.
5. Other methods acceptable to the enforcing agency.

TABLE 5.504.4.5 - FORMALDEHYDE LIMITS[1]

MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION

PRODUCT	CURRENT LIMIT
HARDWOOD PLYWOOD VENEER CORE	0.05
HARDWOOD PLYWOOD COMPOSITE CORE	0.05
PARTICLE BOARD	0.09
MEDIUM DENSITY FIBERBOARD	0.11
THIN MEDIUM DENSITY FIBERBOARD[2]	0.13

1. 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. FOR ADDITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 93120.12.

2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES (8 MM).

Y | N/A | RESPON. PARTY

5.504.4.6 Resilient flooring systems. Where resilient flooring is installed, at least 80 percent of floor area receiving resilient flooring shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specifications 01350)

See California Department of Public Health's website for certification programs and testing labs.
https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.6.1 Verification of compliance. Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits.

5.504.4.7 Thermal insulation
Comply with the requirements of the California Department of Public Health, "Standard Method of the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, "Version 1.2, January 1.2, January 2017 (Emission testing method for California Specification 01350).
See California Department of Public Health's website for certification programs and testing labs.
https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.7.1 Verification of compliance.
Documentation shall be provided verifying that thermal insulation materials meet the pollutant emission limits.

5.504.4.8 Acoustical ceiling and wall panels.
Comply with the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, " Version 1.2, January 2017 (Emission testing method for California Specification 01350).
See California Department of Public Health's website for certification programs and testing labs.

5.504.4.8.1 Verification of compliance. Documentation shall be provided verifying that acoustical finish materials meet the pollutant emission limits.

5.504.5.3 Filters. In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air that provides at least a Minimum Efficiency Reporting Value (MERV) of 13. MERV 13 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual.

Exceptions: Existing mechanical equipment.

5.504.5.3.1 Labeling. Installed filters shall be clearly labeled by the manufacturer indicating the MERV rating.

5.504.7 ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL. Where outdoor areas are provided for smoking, prohibit smoking within 25 feet of building entries, outdoor air intakes and operable windows and within the building as already prohibited by other laws or regulations; or as enforced by ordinances, regulations or policies of any city, county, city and county, California Community College, campus of the California State University, or campus of the University of California, whichever are more stringent. When ordinances, regulations or policies are not in place, post signage to inform building occupants of the prohibitions.

SECTION 5.505 INDOOR MOISTURE CONTROL

5.505.1 INDOOR MOISTURE CONTROL. Buildings shall meet or exceed the provisions of California Building Code, CCR, Title 24, Part 2, Sections 1202 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures, see Section 5.407.2 of this code.

SECTION 5.506 INDOOR AIR QUALITY

5.506.1 OUTSIDE AIR DELIVERY. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 120.1 (Requirements For Ventilation) of the *California Energy Code*, or the applicable local code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8.

5.506.2 CARBON DIOXIDE (CO_2) MONITORING. For buildings or additions equipped with demand control ventilation, CO_2 sensors and ventilation controls shall be specified and installed in accordance with the requirements of the California Energy Code, Section 120(c)(4).

5.506.3 Carbon dioxide (CO2) monitoring in classrooms.
(DSA-SS) Each public K-12 school classroom, as listed in Table 120.1-A of the *California Energy Code,* shall be equipped with a carbon dioxide monitor or sensor that meets the following requirements:

1. The monitor or sensor shall be permanently affixed in a tamper-proof manner in each classroom between 3 and 6 feet (914 mm and 1829 mm) above the floor and at least 5 feet (1524 mm) away from door and operable windows.
2. When the monitor or sensor is not integral to an Energy Management Control System (EMCS), the monitor or sensor shall display the carbon dioxide readings on the device. When the sensor is integral to an EMCS, the carbon dioxide readings shall be available to and regularly monitored by facility personnel.
3. A monitor shall provide notification though a visual indicator on the monitor when the carbon dioxide levels in the classroom have exceeded 1,100ppm. A sensor integral to an EMCS shall provide notification to facility personnel through a visual and/or audible indicator when the carbon dioxide levels in the classroom have exceeded 1,100ppm.
4. The monitor or sensor shall measure carbon dioxide levels at minimum 15- minute intervals and shall maintain a record of previous carbon dioxide measurements of not less than 30 days duration.
5. The monitor or sensor used to measure carbon dioxide levels shall have the capacity to measure carbon dioxide levels with a range of 400ppm to 2000ppm or greater.
6. The monitor or sensor shall be certified by the manufacturer to be accurate within 75ppm at 1,000ppm carbon dioxide concentration and shall be certified by the manufacturer to require calibration no more frequently than once every 5 years.

SECTION 5.507 ENVIRONMENTAL COMFORT

5.507.4 ACOUSTICAL CONTROL. Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E 90 and ASTM E 413, or Outdoor-Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E 1332, using either the prescriptive or performance method in Section 5.507.4.1 or 5.507.4.2.

Exception: Buildings with few or no occupants or where occupants are not likely to be affected by exterior noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings.

Exception: [DSA-SS] For public schools and community colleges, the requirements of this section and all subsections apply only to new construction.

5.507.4.1 Exterior noise transmission, prescriptive method. Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 in the following locations:

1. Within the 65 CNEL noise contour of an airport.

   Exceptions:

   1. L_{dn} or CNEL for military airports shall be determined by the facility Air Installation Compatible Land Use Zone (AICUZ) plan.
   2. L_{dn} or CNEL for other airports and heliports for which a land use plan has not been developed shall be determined by the local general plan noise element.

2. Within the 65 CNEL or L_{dn} noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway source as determined by the Noise Element of the General Plan.

5.507.4.1.1. Noise exposure where noise contours are not readily available. Buildings exposed to a noise level of 65 dB L_{eq} - 1-hr during any hour of operation shall have building, addition or alteration exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC rating of at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30).

5.507.4.2 Performance Method. For buildings located as defined in Section 5.507.4.1 or 5.507.4.1.1, wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (Leq-1Hr) of 50 dBA in occupied areas during any hour of operation.

5.507.4.2.1 Site Features. Exterior features such as sound walls or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior.

5.507.4.2.2 Documentation of Compliance. An acoustical analysis documenting complying interior sound levels shall be prepared by personnel approved by the architect or engineer of record.

5.507.4.3 Interior sound transmission. Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40.

Note: Examples of assemblies and their various STC ratings may be found at the California Office of Noise Control: www.toolbase.org/PDF/CaseStudies/stc_icc_ratings.pdf.

SECTION 5.508 OUTDOOR AIR QUALITY

5.508.1 Ozone depletion and greenhouse gas reductions. Installations of HVAC, refrigeration and fire suppression equipment shall comply with Sections 5.508.1.1 and 5.508.1.2.

5.508.1.1 Chlorofluorocarbons (CFCs). Install HVAC, refrigeration and fire suppression equipment that do not contain CFCs.

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

Y | N/A | RESPON. PARTY

5.508.2 Supermarket refrigerant leak reduction. New commercial refrigeration systems shall comply with the provisions of this section when installed in retail food stores 8,000 square feet or more conditioned area, and that utilize either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units. The leak reduction measures apply to refrigeration systems containing high-global-warming potential (high-GWP) refrigerants with a GWP of 150 or greater. New refrigeration systems include both new facilities and the replacement of existing refrigeration systems in existing facilities.

Exception: Refrigeration systems containing low-global warming potential (low-GWP) refrigerant with a GWP value less than 150 are not subject to this section. Low-GWP refrigerants are nonozone-depleting refrigerants that include ammonia, carbon dioxide (CO_2), and potentially other refrigerants.

5.508.2.1 Refrigerant piping. Piping compliant with the California Mechanical Code shall be installed to be accessible for leak protection and repairs. Piping runs using threaded pipe, copper tubing with an outside diameter (OD) less than 1/4 inch, flared tubing connections and short radius elbows shall not be used in refrigerant systems except as noted below.

5.508.2.1.1 Threaded pipe. Threaded connections are permitted at the compressor rack.

5.508.2.1.2 Copper pipe. Copper tubing with an OD less than 1/4 inch may be used in systems with a refrigerant charge of 5 pounds or less.

5.508.2.1.2.1 Anchorage. One-fouth-inch OD tubing shall be securely clamped to a rigid base to keep vibration levels below 8 mils.

5.508.2.1.3 Flared tubing connections. Double-flared tubing connections may be used for pressure controls, valve pilot lines and oil.

Exception: Single-flared tubing connections may be used with a multiring seal coated with industrial sealant suitable for use with refrigerants and tightened in accordance with manufacturer's recommendations.

5.508.2.1.4 Elbows. Short radius elbows are only permitted where space limitations prohibit use of long radius elbows.

5.508.2.2 Valves. Valves Valves and fittings shall comply with the *California Mechanical Code* and as follows.

5.508.2.2.1 Pressure relief valves. For vessels containing high-GWP refrigerant, a rupture disc shall be installed between the outlet of the vessel and the inlet of the pressure relief valve.

5.508.2.2.1.1 Pressure detection. A pressure gauge, pressure transducer or other device shall be installed in the space between the rupture disc and the relief valve inlet to indicate a disc rupture or discharge of the relief valve.

5.508.2.2.2 Access valves. Only Schrader access valves with a brass or steel body are permitted for use.

5.508.2.2.2.1 Valve caps. For systems with a refrigerant charge of 5 pounds or more, valve caps shall be brass or steel and not plastic.

5.508.2.2.2.2 Seal caps. If designed for it, the cap shall have a neoprene O-ring in place.

5.508.2.2.2.2.1 Chain tethers. Chain tethers to fit ovr the stem are required for valves designed to have seal caps.

Exception: Valves with seal caps that are not removed from the valve during stem operation.

5.508.2.3 Refrigerated service cases. Refrigerated service cases holding food products containing vinegar and salt shall have evaporator coils of corrosion-resistant material, such as stainless steel; or be coated to prevent corrosion from these substances.

5.508.2.3.1 Coil coating. Consideration shall be given to the heat transfer efficiency of coil coating to maximize energy efficiency.

5.508.2.4 Refrigerant receivers. Refrigerant receivers with capacities greater than 200 pounds shall be fitted with a device tha indicates the level of refrigerant in the receiver.

5.508.2.5 Pressure testing. The system shall be pressure tested during installation prior to evacuation and charging.

5.508.2.5.1 Minimum pressure. The system shall be charged with regulated dry nitrogen and appropriate tracer gas to bring system pressure up to 300 psig minimum.

5.508.2.5.2 Leaks. Check the system for leaks, repair any leaks, and retest for pressure using the same gauge.

5.508.2.5.3 Allowable pressure change. The system shall stand, unaltered, for 24 hours with no more than a +/- one pound pressure change from 300 psig, measured with the same gauge.

5.508.2.6 Evacuation. The system shall be evacuated after pressure testing and prior to charging.

5.508.2.6.1 First vacuum. Pull a system vacuum down to at least 1000 microns (+/- 50 microns), and hold for 30 minutes.

5.508.2.6.2 Second vacuum. Pull a second system vacuum to a minimum of 500 microns and hold for 30 minutes.

5.508.2.6.3 Third vacuum. Pull a third vacuum down to a minimum of 300 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

CHAPTER 7
INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS

702 QUALIFICATIONS

702.1 INSTALLER TRAINING. HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a nationally or regionally recognized training or certification program. Uncertified persons may perform HVAC installations when under the direct supervision and responsibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems. Examples of acceptable HVAC training and certification programs include but are not limited to the following:

1. State certified apprenticeship programs.
2. Public utility training programs.
3. Training programs sponsored by trade, labor or statewide energy consulting or verification organizations.
4. Programs sponsored by manufacturing organizations.
5. Other programs acceptable to the enforcing agency.

702.2 SPECIAL INSPECTION [HCD]. When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition to other certifications or qualifications acceptable to the enforcing agency, the following certifications or education may be considered by the enforcing agency when evaluating the qualifications of a special inspector:

1. Certification by a national or regional green building program or standard publisher.
2. Certification by a statewide energy consulting or verification organization, such as HERS raters, building performance contractors, and home energy auditors.
3. Successful completion of a third party apprentice training program in the appropriate trade.
4. Other programs acceptable to the enforcing agency.

Notes:

1. Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.
2. HERS raters are special inspectors certified by the California Energy Commission (CEC) to rate homes in California according to the Home Energy Rating System (HERS).

[BSC-CG] When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition, the special inspector shall have a certification from a recognized state, national or international association, as determined by the local agency. The area of certification shall be closely related to the primary job function, as determined by the local agency.

Note: Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.

703 VERIFICATIONS

703.1 DOCUMENTATION. Documentation used to show compliance with this code shall include but is not limited to, construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which demonstrate substantial conformance. When specific documentation or special inspection is necessary to verify compliance, that method of compliance will be specified in the appropriate section or identified applicable checklist.

Project number
Date
Drawn by: Author
Checked by: Checker

No.	Description	Date

Dapper Car Sales Inc. Rep:/ Dmitri Stepanov

Dapper Car Sales

2601 West Whittier Boulevard La Habra Ca

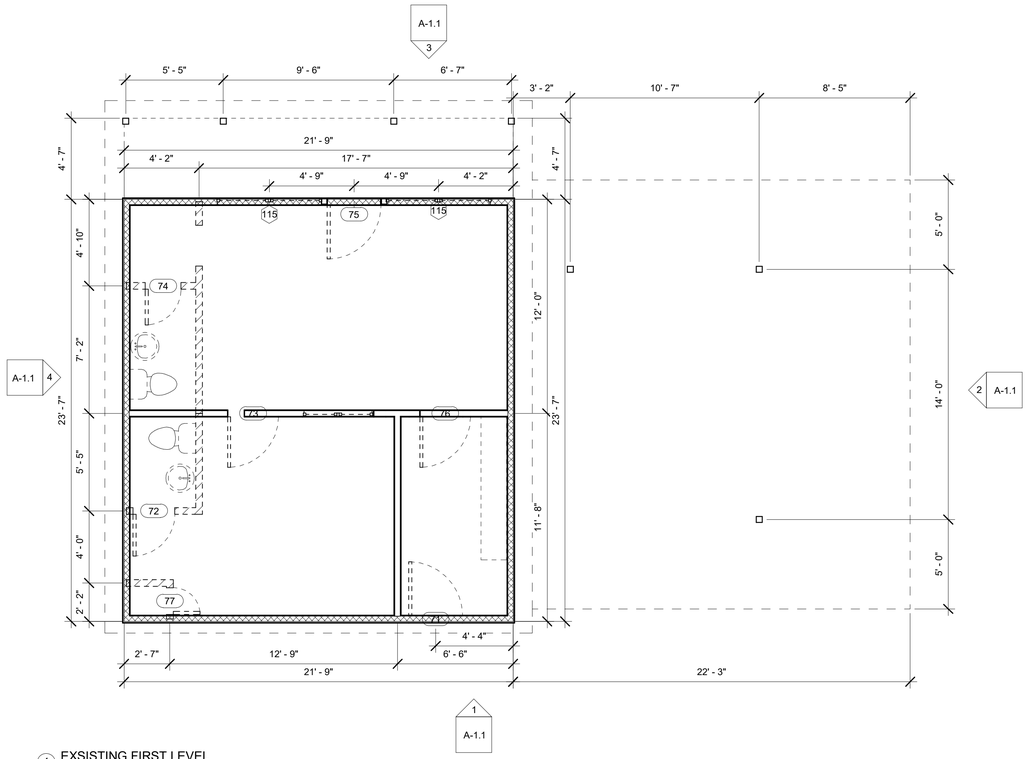
GREEN BUILDING STANDARDS

Scale

MUSTAFA BOZAWI INC, ARCHITECT AND ASSOCIATES
40 PARKCENTER DR
SUITE 200
SANTA ANA, CA 92705
www.mbarchitects.com
TEL: 714.679.5661
FAX: 714.679.5664

GB-3

DISCLAIMER: *THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING DEPARTMENT JURISDICTIONS, THIS CHECKLIST IS TO BE USED ON AN INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL NEEDS. THE END USER ASSUMES ALL RESPONSIBILITY ASSOCIATED WITH THE USE OF THIS DOCUMENT, INCLUDING VERIFICATION WITH THE FULL CODE.*



1 EXSISTING FIRST LEVEL
1/4" = 1'-0"

Window Schedule Existing									
Type Mark	Count	Phase Created	Phase Demolished	Sill Height	Head Height	Height	Width	AREA	Family and Type
114	1	Existing	Existing	3' - 0"	6' - 0"	3' - 0"	4' - 0"	12 SF	Casement Dbl with Trim: 48" x 35"
115	2	Existing	Existing	2' - 9"	6' - 9"	4' - 0"	6' - 0"	24 SF	Casement Dbl with Trim: 71" x 47"

GENERAL DEMOLISHING NOTE:
1) REMOVE ALL EXISTING CONSTRUCTIONS AND FINISHES NECESSARY FOR THE COMPLETION OF THE WORK AS DEPICTED ON THE DRAWINGS, INCLUDING BUT NOT LIMITED TO, ITEMS SHOWN ON THE PLANS WITH DASHED LINES. NECESSARY DISCONNECTS AND ALTERATIONS TO EXISTING MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INCLUDED. PATCH AS REQUIRED ALL CONSTRUCTIONS TOREMAIN IN ACCORDANCE WITH THE CONTRACT DRAWINGS. WHERE CONTRACTOR IS DESIGNATED TO MAKE REMOVALS, DISPOSITION OF MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. VERIFY WITH OWNER, THE DISPOSITION AND REMOVAL OF ANY COMPONENTS OF SALVAGEABLE VALUE.
2) ALL REMOVALS AND SALVAGE, UNLESS SPECIFICALLY NOTED OR REQUESTED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
3) REMOVE ONLY NON-LOAD BEARING CONSTRUCTION AND PARTITIONS. CONTRACTOR TO VERIFY, PRIOR TO REMOVAL, THAT NO STRUCTURAL COMPONENTS, I.E. BEARING WALLS, BEAMS, HEADERS, ETC., SUPPORTING FLOOR, ROOF OR CEILING JOISTS ARE DESIGNATED FOR REMOVAL. CONTACT THE ARCHITECT PRIOR TO REMOVAL OF ANY CONSTRUCTION IN QUESTION OR DEVIATING FROM THE DESIGN INTENT. CONTRACTOR'S NON-CONTACT OF ARCHITECT PRIOR TO REMOVAL OF ANY WORK INDICATES HIS COMPLETENESS THAT NO LOAD BEARING OR STRUCTURAL WORK IS BEING ALTERED UNDER THIS CONTRACT.
4) PATCH ALL FINISHES TO MATCH EXISTING, INCLUDING BUT NOT LIMITED TO, GYPSUM BOARD, PLASTER, ACOUSTIC SYSTEMS, WOOD TRIM, COVERS, BASE, PANELS, RAILS AND WAINSCOT. VERIFY MATCH OF NEW FINISH MATERIALS TO EXISTING IN COLOR, TEXTURE, THICKNESS, CUT, ETC.
5) TO SATISFACTION OF OWNER PRIOR TO INSTALLATIONS. PROVIDE OTHER MATERIALS TO MATCH EXISTING WHEN REQUIRED, TO BE APPROVED BY OWNER.
6) PATCH EXISTING WALLS GYPSUM DRYWALL OR PLASTER TO MATCH [illegible] ENT THICKNESS TO MAINTAIN UNIFORM WALL [illegible]

PLUMBING NOTES:
ALL EXISTING PLUMBING FIXTURES MUST BE UPGRADED PURSUANT TO TH CALIFORNIA CIVIL CODE, SECTION 1101.3 IF THE FLOW RATE EXCEED THE FOLLOWING CONSUMPTION LIMITS: [illegible]
A- ANY TOILET MANUFACTURED TO USE MORE THAN 1.6 GALLONS OF WATER PER FLUSH. [illegible]
B- ANY URINAL MANUFACTURED TO USE MORE THAN ONE GALLON OF WATER PER FLUSH.
C- ANY SHOWERHEAD MANUFACTURED TO HAVE A FLOW CAPACITY OF MORE THAN 2.5 GALLONS OF WATER PER MINUTE.
D- ANY INTERIOR FAUCET THAT EMITS MORE THAN 2.2 GALLONS OF WATER PER MINUTE.
MAX. WATER USAGE OF WATER USAGE OF EFFICIENT FIXTURE:
A- KITCHEN FAUCETS 1.8 GPM @ 60 PSI
B- WATER CLOSET 1.28 GPF
C- SHOWERHEAD 2.0 GMP @ 80 PSI
D- LAVATORY FAUCET 1.5 GPM @ 60 PSI

A COMPLETED AFFIDAVIT MAY BE PROVIDED TO THE BUILDING INSPECTOR AT OR BEFORE FINAL IN LIEU OF INSPECTIONS OF THESE FIXTURE.

LICENSED ARCHITECT
MUSTAFA BDAIWI
No. C-33959
EXP. DATE 08/31/2025
STATE OF CALIFORNIA

MUSTAFA BDAIWI, ARCHITECT
8/21/2023 8:48:25 PM

Project number
Date
Drawn by MUSTAFA BDAIWI
Checked by Checker

No.	Description	Date

Dapper Car Sales Inc. Rep:/ Dmitri Skepanov

Dapper Car Sales

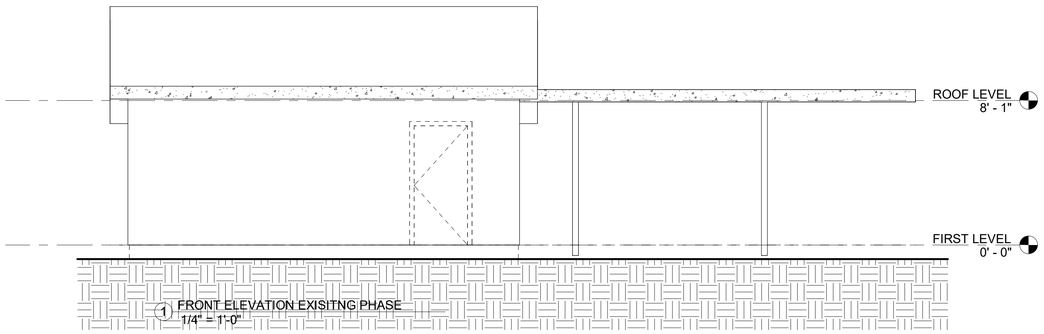
2601 West Whittier
Boulevard
La Habra Ca

DEMO & EXISTING PLAN

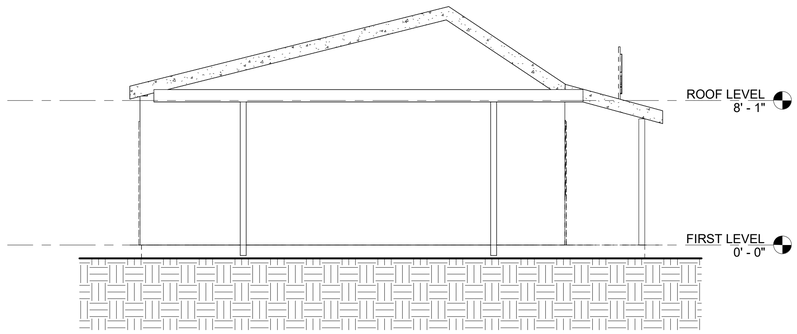
Scale 1/4" = 1'-0"

ARCHITECT AND ASSOCIATES, INC.
40 PARKCENTER DR
SUITE 2A
SANTA ANA, CA 92705
www.mbarchaa.com
TEL. 714.673.4611
FAX. 714.619.9684

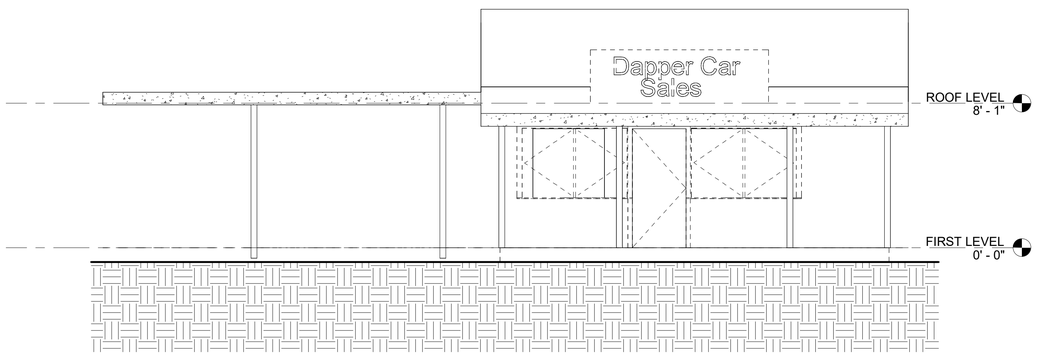
A-1.0



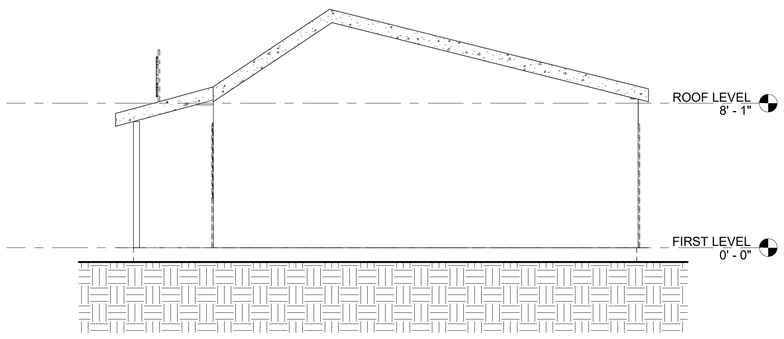
1 FRONT ELEVATION EXISITNG PHASE
1/4" = 1'-0"



2 EAST ELEVATION EXISITNG PHASE
1/4" = 1'-0"



3 SOUTH ELEVATION EXISTING PHASE
1/4" = 1'-0"



4 WEST ELEVATION EXISTING PHASE
1/4" = 1'-0"

LICENSED ARCHITECT
MUSTAFA BOZAWI
EXP. DATE
08/28/2025
C23953
STATE OF CALIFORNIA

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8/21/2023 8:48:26 PM

Project number
Date
Drawn by Author
Checked by Checker

No.	Description	Date

Dapper Car Sales Inc. Rep:/ Dmitri Skepanov

Dapper Car Sales

2601 West Whittier
Boulevard
La Habra Ca

DEMO ELEVATIONS

Scale 1/4" = 1'-0"

ARCHITECT AND ASSOCIATES, INC.
60 PARKCENTER DR
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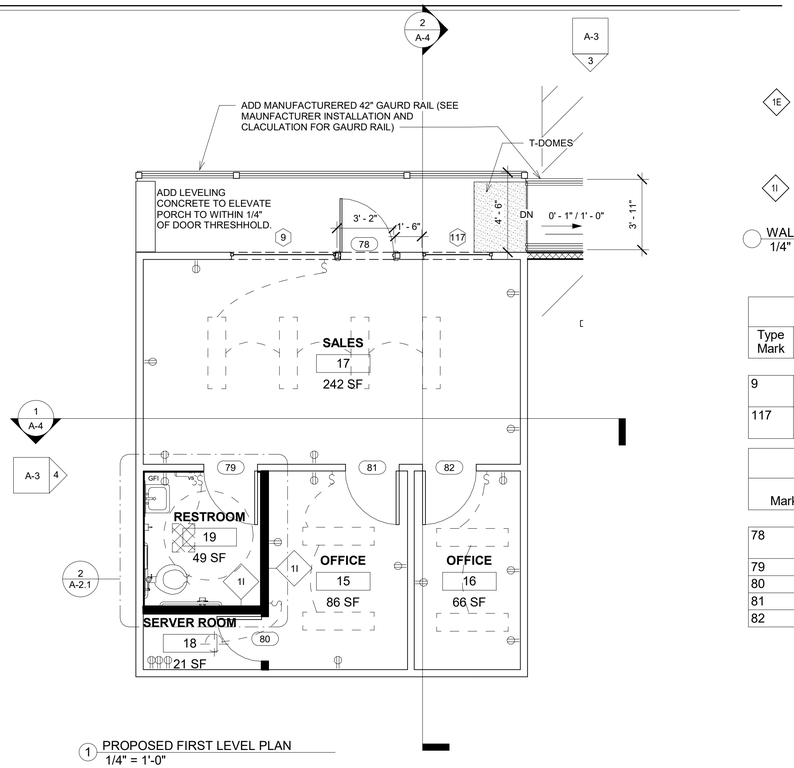
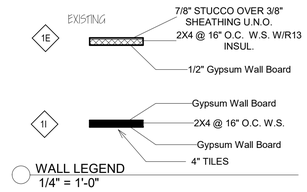
A-1.1



1 PROPOSED FIRST LEVEL PLAN
1/4" = 1'-0"



WALL LEGEND
1/4" = 1'-0"

Window Schedule 1ST LEVEL									
Type Mark	Count	Construction Type	Sill Height	Height	Width	AREA	Family and Type	U-FACTOR	SHGC
9	1	TEMP GLASS	0' - 0"	6' - 8"	6' - 0"	40 SF	Fixed: 72" x 80"	0.3	0.25
117	1	TEMP GLASS	0' - 0"	6' - 8"	4' - 0"	27 SF	Fixed: 4' x 80" 2	0.3	0.25

New Door Schedule 1ST Level							
Mark	Width	Height	Construction Type	Frame Material	Fire Rating	Description	CLOSURE
78	3' - 0"	6' - 8"	VINYL/TEMP GLASS	ALUM	NONE	TEMP GLASS	No
79	3' - 0"	6' - 8"	Wood H.C.	WOOD	NONE	HC	No
80	2' - 6"	6' - 8"	Wood H.C.	WOOD	NONE	HC	No
81	3' - 0"	6' - 8"	Wood H.C.	WOOD	NONE	HC	No
82	3' - 0"	6' - 8"	Wood H.C.	WOOD	NONE	HC	No

CITY REQUIRED NOTES:

DOOR:
-Latching and locking doors that are hand activated and which are in a path of travel shall be operable with a single effort by lever type hardware, by panic bars, push-pull activating bars, or other hardware designed to provide passage without requiring the ability to grasp the opening hardware. (1133B.2.5.2)
-When installed, exit doors shall be capable of opening so that the clear width of the exit is not less than 32". (1133B.1.1.1.1, Fig 11B-5B & 11B-33)
-Maximum effort to operate exterior or interior doors with closers shall not exceed five pounds. This may be increased to 15 pounds for fire-rated doors.

SIGNS & IDENTIFICATION
-All building entrances that are accessible to and usable by persons with disabilities and at every major junction along or leading to an accessible route of travel shall be identified with a sign displaying the International Symbol of Accessibility, and with additional directional signs, as required, to be visible to persons along approaching pedestrian ways. (1117B.5.8.1.2 & 1127B.3)

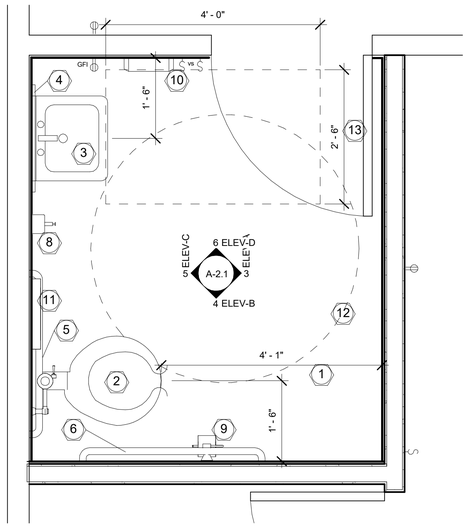
SANITARY FACILITIES
-Doorways leading to men's sanitary facilities shall be identified by an equilateral triangle ¼" thick with edges 12" long and a vertex pointing upward. Women's sanitary facilities shall be identified by a circle ¼" thick and 12" in diameter. (1115B.6)
-Unisex sanitary facilities shall be identified by a circle ¼" thick, 12" in diameter, with a ¼" thick triangle superimposed on the circle and within the 12" diameter. (1115B.6)
-Geometric (circle & triangle) symbols on sanitary facility doors shall be centered on the door at a height of 60" and their color and contrast shall be distinctly different from the color and contrast of the door. (1115B.6)

WATER CLOSET AND TOILET COMPARTMENTS (11B-213.2) (11B-604.2 through 11B-604.8)
- The clear width for accessible routs to accessible toilet compartments shall be 44" except for door-opening width and floor swigs. (11B-403.5.1, exception # 5)
- Centerline of water closet shall be 17"-18" from side wall. Ambulatory accessible toilet compartment specified in Section 11B-604.8.2 shall have water closet center line 17"-19" from side wall. (11B-604.2).
- Clearance around water closet shall be 60" measured perpendicular from side wall and 56" from rear wall. A 60" wide by 48" deep maneuvering space shall be provided in front of the water closet. 11B-604.3.1 & figure 11B-604.3.1.
- Wheelchair accessible compartment shall 60" wide measured perpendicular to the side and 56" deep for wall hung closets and 59" deep for floor mounted closets.
- Wheelchair accessible compartment with an in-swinging door, 60" wide by 36" deep maneuvering space shall be provided in front of the clearance required in Section 11B604.8.1.1.1 See figures 11B-604.8.1.2(b) and 11B-604.8.1.1.3(b).
- Wheelchair accessible compartment with a side-opening door, either in-swinging or out-swinging, 60" wide by 60" deep maneuvering space shall be provided in front of the water closet. See figure 11B-604.8.1.1.2.
- Wheelchair accessible compartment with an end opening door, either in-swinging or outswinging, 60" wide by 48" deep maneuvering space shall be provided in front of the water closet. See figure 11B-604.8.1.1.3. Entrances to men's toilet and bathing facilities, complying with Section 11B-603, shall be identified by an equilateral triangle ¼" thick with edges 12" long and a vertex pointing upward. The triangle symbol shall contrast with the door, either light on a dark background or dark on a light background. (11B-703.7.2.6.1)
- Entrances to women's toilet and bathing facilities, complying with Section 11B-603, shall be identified by a circle ¼" thick and 12" in diameter. The circle symbol shall contrast with the door, either light on a dark background or dark on a light background. (11B-703.7.2.6.2).
-- Entrances to unisex toilet and bathing facilities shall be identified by a circle ¼" thick, 12" in diameter, with a ¼" thick triangle with a vertex pointing upward superimposed on and geometrically inscribed within the circle and within the 12" diameter. The triangle symbol shall contrast with the circle symbol, either light on a dark background or dark on a light background.The circle symbol shall contrast with the door, either light on a dark background or dark on a light background (11B-703.7.2.6.3).

TOILET AND BATHING ROOMS
- Toilet rooms shall comply with Section 11B-603. (11B-213.2). Turning space of 60" min shall be provided within the room (11B-603.2.1). Turning space shall be permitted to include knee & toe clearance complying with Section 11B-306. Door shall not swing into the 30"X48" clear floor space or clearance required for any fixture. A door in any position shall be permitted to encroach into the turning space by 12" maximum.
- Unisex (single-user or family) 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. Doors shall have privacy latches. (11B-213.2.1).

NOTIFICATION APPLIANCES FOR THE HEARING IMPAIRED
- Where fire alarm systems provide audible alarm coverage, alarms shall comply with Section 11B215. Visual warning devices for the hearing impaired are required to be installed (added) within the suite under one of the following conditions: (907.5.2.3.1 and 11B-215.1)
  a Building is equipped with visual warning devices.
  b Existing fire alarm panel can support visual warning devices for the entire building.
  c The fire alarm panel is being upgraded to support visual warning devices for the entire building.
  d The occupancy group is changing.
-. Approved notification appliances for the hearing impaired shall be installed in accordance with the provisions of NFPA 72 in the following areas: (11B-215.12 and 907.5.2.3.1)
  a. Public and common use areas such as sanitary facilities, corridors and lobbies per Section 907.5.2.3.1.
  b. Where employee work areas have audible alarm coverage, the wiring system shall be designed so that visible alarms complying with Section 907.5.2.3.2 can be integrated into the alarm system. (11B-215.3)

SIGNS & IDENTIFICATION
-. The International Symbol of Accessibility (ISA) shall comply with Figure 11B-703.7.2.1. The symbol shall consist of a white figure on a blue background. The color blue shall approximate FS 15090 in Federal Standard 595C. (11B-216.5, .6, .7, .8; 11B-703.7.2.1).
-. Where both visual and tactile characters are required, either one sign with both visual and tactile characters, or two separate signs, one with visual, and one with tactile characters, shall be provided. (11B-703.1).
-. Where a tactile sign is provided at a door, the sign shall be located along the door at the latch side. Tactile characters on signs shall be located 48" minimum above finish floor, measured from the baseline of the lowest Braille cells and 60" maximum above finish floor, measured from the base line of the highest line of the raised characters. (11B-703.4) (Figure 11B-703.4.1)
- When signs identify permanent rooms and spaces of a building or site, they shall comply with CBC 11B-703.1; 11B-703.2; 11B-703.3 and 11B-703.5. Where pictograms are provided, it shall comply with Section 11B-703.6 and shall have text descriptions complying with Sections 11B703.2 & 11B-703.5. (11B-216.2).
-. In existing buildings where not all entrances comply with Section 11B-404, building entrances that are accessible to and usable by persons with disabilities and at every major junction along or leading to an accessible route of travel shall be identified with a sign displaying the International Symbol of Accessibility complying with Section 11B-703.7.2.1, and with additional directional signs complying with Section 11B-703.5, as required, at junction when the accessible route diverges from the regular circulation path. (11B-216.6).
-. Provide tactile exit signage and identify locations on floor plan. Include sign elevation and typical signage text per CBC 1013.4 at doors to exit passageways, exit discharge and exit stairways shall comply with Sections 11B-703.1; 11B-703.2; 11B-703.3 and 11B-703.5. (11B-216.4.1). Tactile characters on signs shall be located 48", measured to the base line of the lowest Braille cells, above finish floor and 60" measured to the base line of the highest line of raised characters.
-. Signage indicating special accessibility provisions required by Section 1009.9 and signs to provide directions to accessible means of egress, per Section 1009.10, shall comply with Section 11B-703.5. (11B-216.4.3)



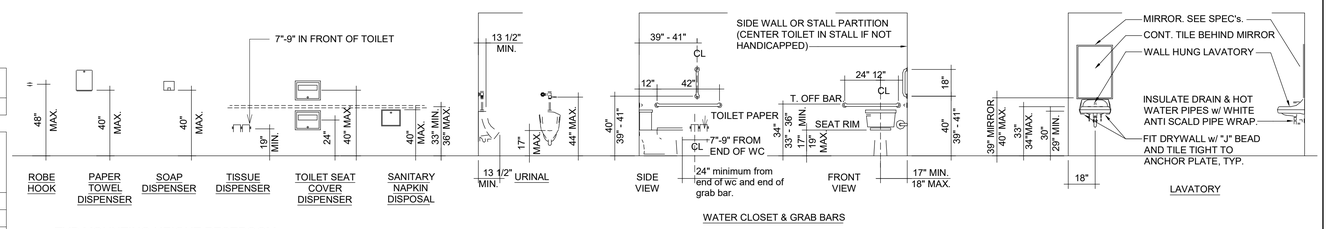
2 ACCESSIBLE RESTROOM PLAN
3/4" = 1'-0"

RESTROOM KEY NOTE	
Label	COMMENT
1	SKRAFFINO DESIGNER GRADE CONCRETE MICRO-TOPPING BY DURAAMEN, SLOPED 1/8" PER FOOT TO DRAIN, O/ 1" GYPCRETE, O/1/4" ACOUSTI-MAT
2	WATER CLOSET, ACCESSIBLE.
3	LAVATORY, ACCESSIBLE
4	GLASS MIRROR W/ SS FRAME.
5	36" GRAB BAR.
6	48" GRAB BAR.
7	6" PORCELAIN TILE COVE BASE.
8	SOAP DISPENSER.
9	TOILET TISSUE DISPENSER (ACCESSIBLE)
10	PAPER TOWEL DISPENSER WITH TRASH RECEPTACLE.
11	TOILET SEAT COVER DISPENSER - WALL MOUNTED.
12	ACCESSIBLE TURNING SPACE.
13	ACCESSIBLE DOOR WITH ACCESSIBLE HARDWARE.
14	PORCELAIN TILE ON WALLS UP TO A HEIGHT OF 60"

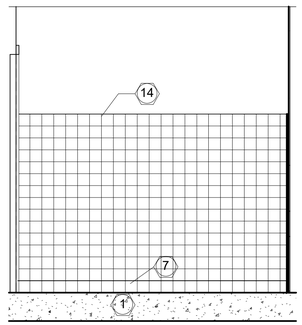
SEE A-5 FOR ACCESSIBLITY NOTES

NEW PLUMBING NOTE:
MAX. WATER USAGE OF WATER USAGE OF EFFICIENT FIXTURE:
A- KITCHEN FAUCETS 1.8 GPM @ 60 PSI
B- WATER CLOSET 1.28 GPF
C- SHOWERHEAD 2.0 GMP @ 80 PSI
D- LAVATORY FAUCET 1.2 GPM @ 60 PSI

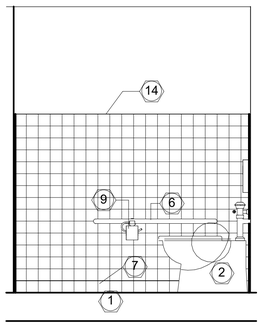
NOTE: CONTRACTOR TO PROVIDE APPROPRIATE BLOCKING IN WALL FOR ANCHORAGE OF GRAB BARS AS REQUIRED.



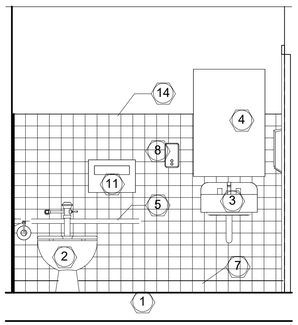
7 TYP MOUNTING HEIGHT RESTROOM ACCESSORIES AND FIXTURES
N.T.S.



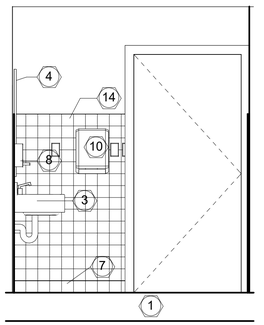
3 ELEV-A
1/2" = 1'-0"



4 ELEV-B
1/2" = 1'-0"



5 ELEV-C
1/2" = 1'-0"



6 ELEV-D
1/2" = 1'-0"

LICENSED ARCHITECT
MUSTAFA BIZAWI
RENEWAL DATE
08/ 2025
C33953
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Project number
Date
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No.	Description	Date

Dapper Car Sales Inc. Rep:/ Dmitri Stepanov

Dapper Car Sales

2601 West Whittier Boulevard La Habra Ca

NEW 1ST FLOOR PLANS

Scale: As indicated

ARCHITECT AND ASSOCIATES, INC.
401 PARKCENTER DR
SUITE 204
SANTA ANA, CA 92705
www.mbarchitects.com
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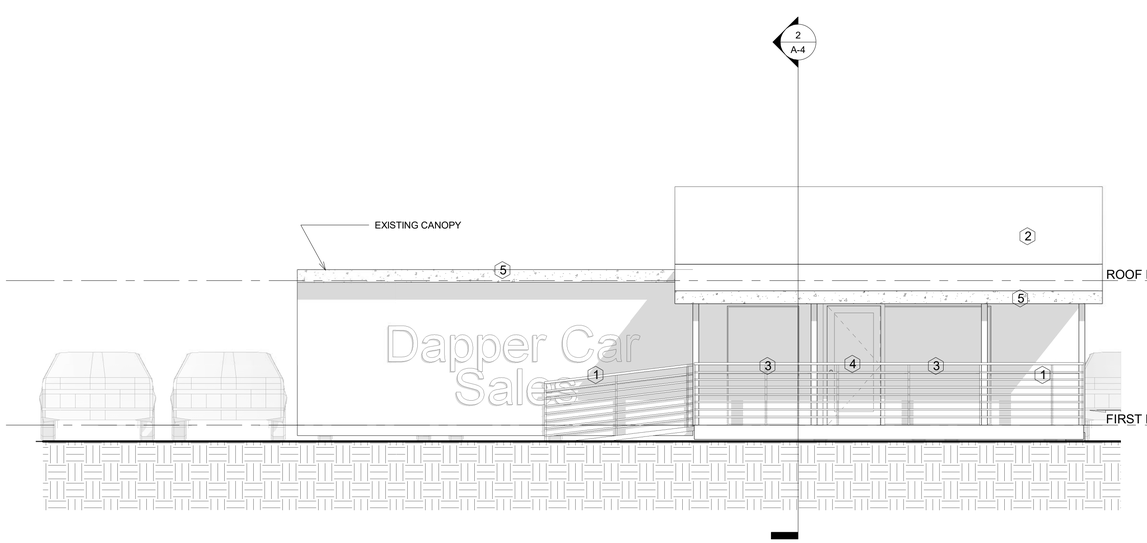
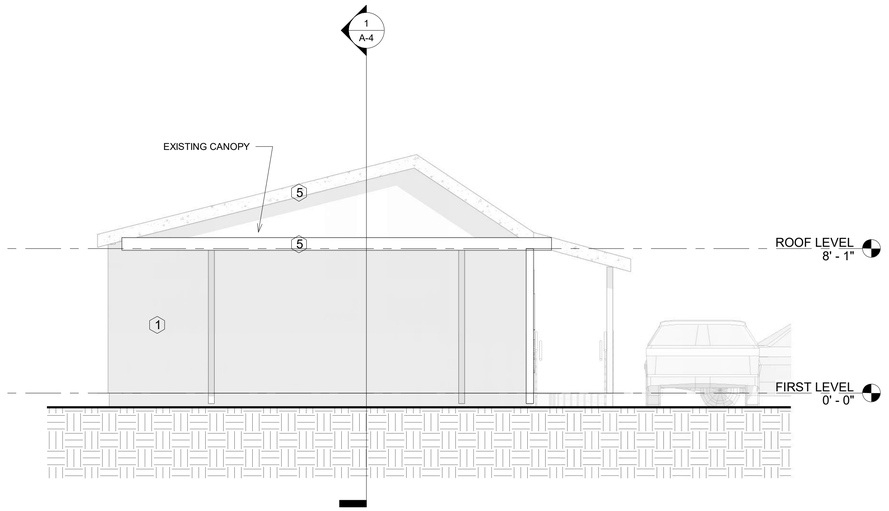
A-2.1



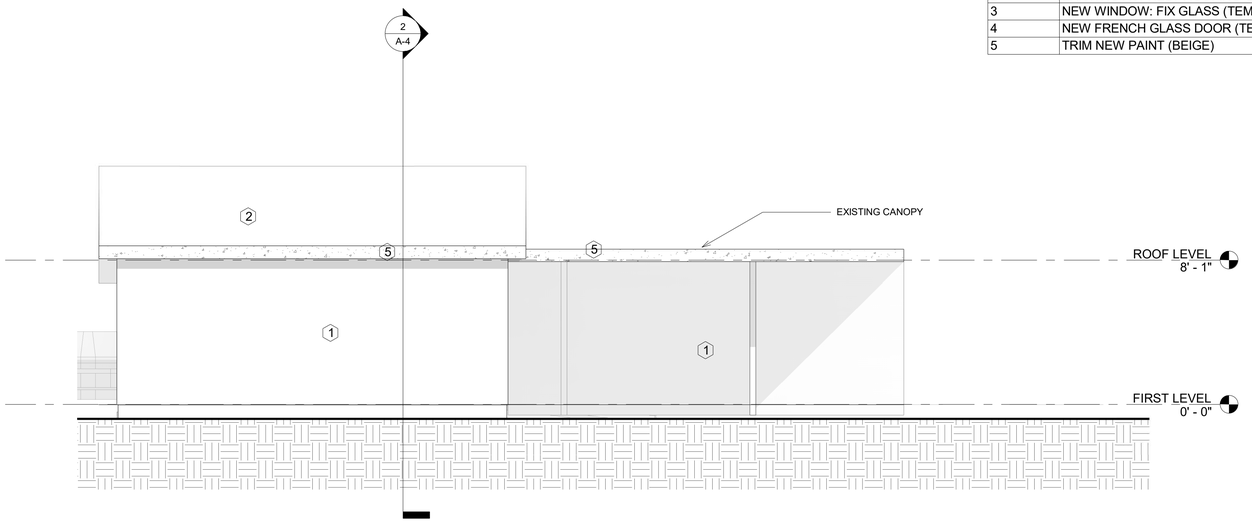
3 PROPOSED FRONT ELEVATION
1/4" = 1'-0"



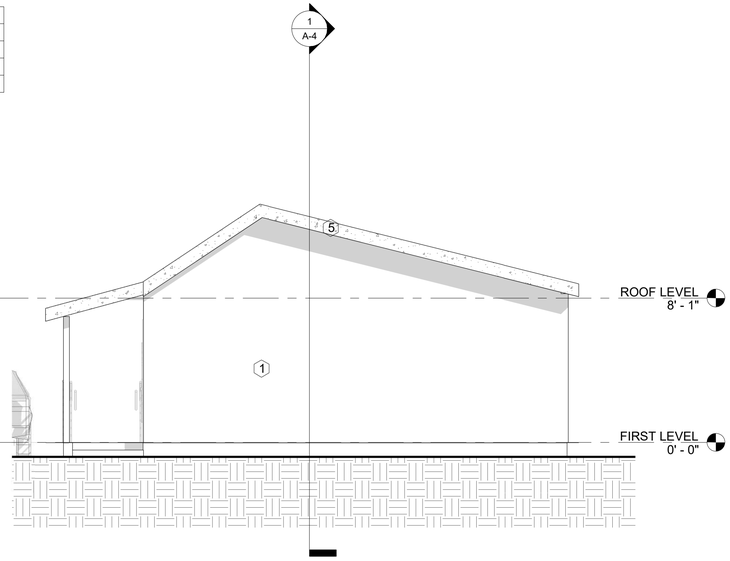
2 PROPOSED WEST ELEVATION
1/4" = 1'-0"

ELEVATION Note Block	
Label	Discription

1	NEW SMOTH STUCCO (WHITE)
2	EXISITNG ASPHELT ROOFING GRAY
3	NEW WINDOW: FIX GLASS (TEMP)
4	NEW FRENCH GLASS DOOR (TEMP)
5	TRIM NEW PAINT (BEIGE)



1 PROPOSED REAR ELEVATION
1/4" = 1'-0"



4 PROPOSED EAST ELEVATION
1/4" = 1'-0"

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MUSTAFA BIDAWI
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No.	Description	Date

Dapper Car Sales Inc. Rep:/ Dmitri Stepanov

Dapper Car Sales

2601 West Whittier
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La Habra Ca

ELEVATIONS

Scale 1/4" = 1'-0"

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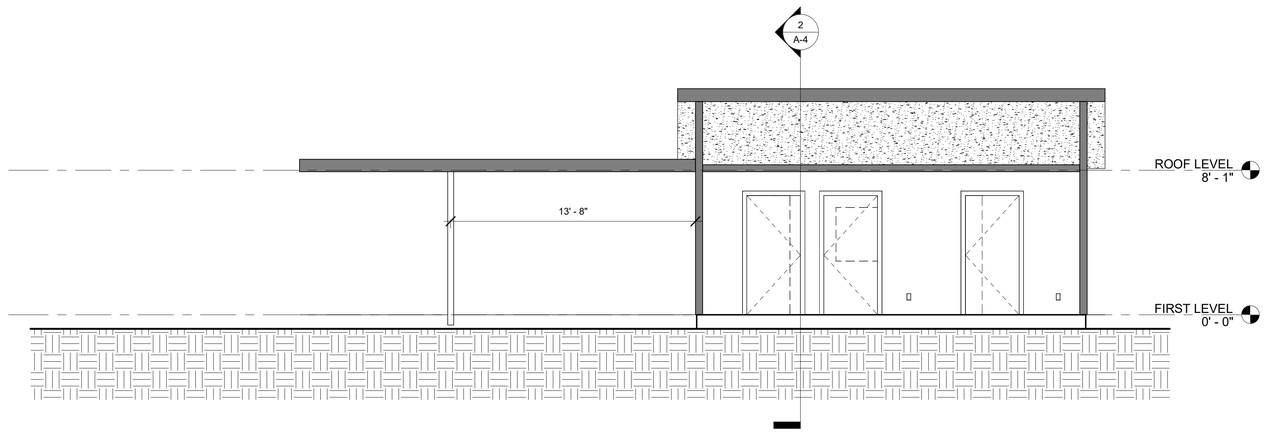
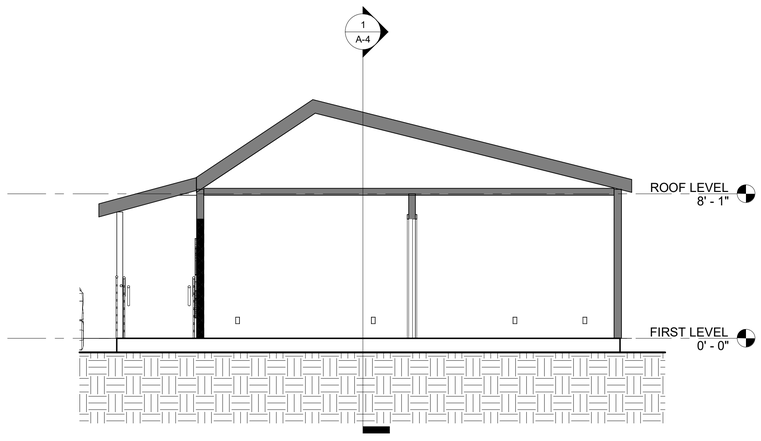
A-3



1 PROPOSED E.W. SECTION
1/4" = 1'-0"



2 PROPOSED N..S. SECTION
1/4" = 1'-0"

LICENSED ARCHITECT
MUSTAFA BIDAWI
EXP. DATE
08/31/2025
C33953
STATE OF CALIFORNIA

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Project number
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No.	Description	Date

Dapper Car Sales Inc. Rep:/ Dmitri Skepanov

Dapper Car Sales

2601 West Whittier
Boulevard
La Habra Ca

SECTIONS

Scale 1/4" = 1'-0"

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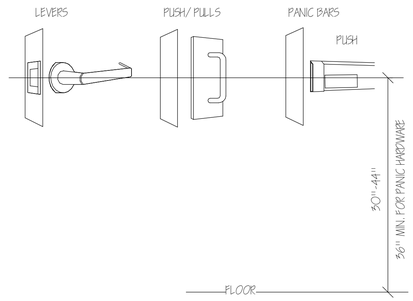
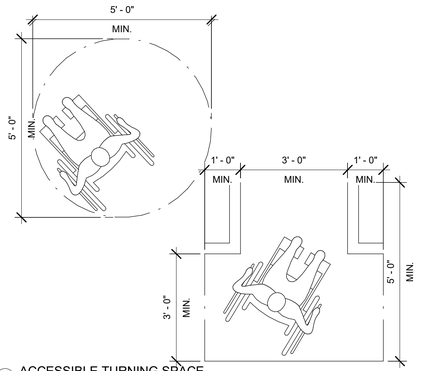
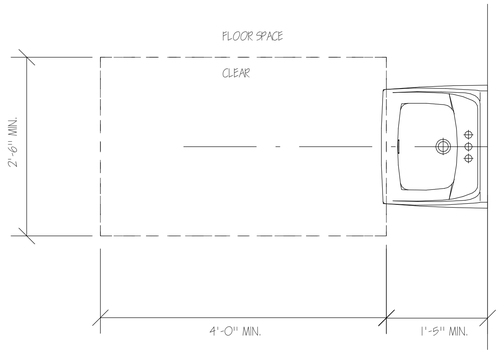
A-4



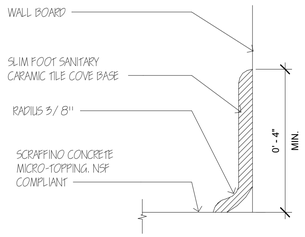
1 ACCESSIBLE DOOR HARDWARE
1" = 1'-0"



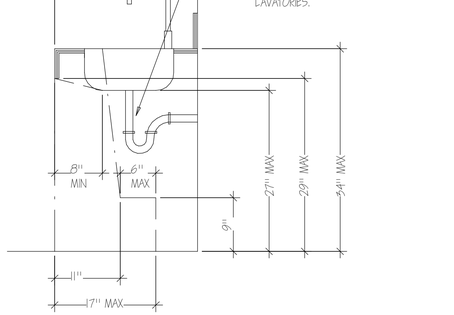
2 ACCESSIBLE TURNING SPACE
1/2" = 1'-0"



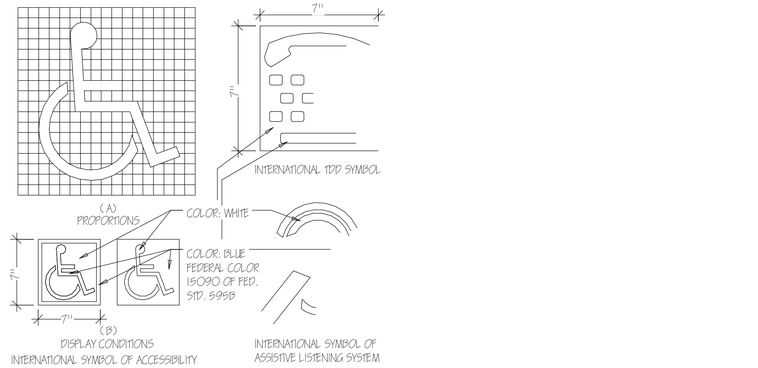
3 CLEAR FLR.SPACE AT LAV
1" = 1'-0"



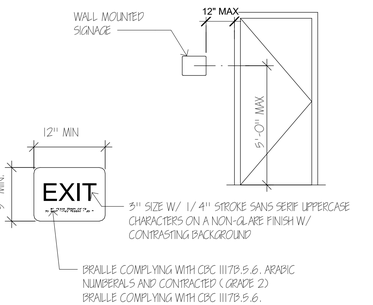
4 COVE BASE DETAIL
6" = 1'-0"



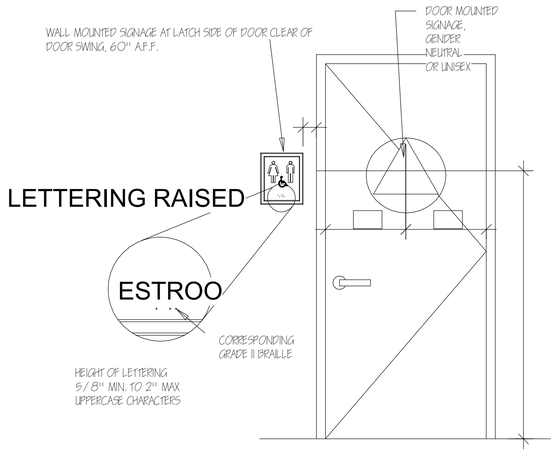
6 SINK TYPICAL CLEARANCE
1" = 1'-0"



8 INTERN.ACCESSIBILITY SYMBOLS
3" = 1'-0"



5 EXIT SIGN
1" = 1'-0"



7 SANITARY FACILITY SIGNAGE DETAIL
3/4" = 1'-0"

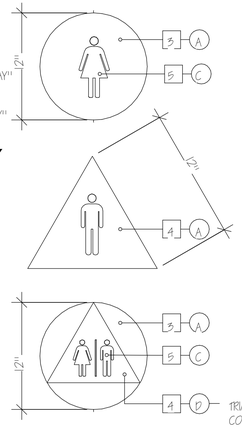
COLOR/FINISH

A- NEW HERMES GRAVO TAC EXTERIOR "SLATE"
B- NEW HERMES GRAVO TAC EXTERIOR "SILVER GRAY"
C- NEW HERMES GRAVO TAC EXTERIOR "WHITE"
D- NEW HERMES GRAVO TAC EXTERIOR "LIGHT GRAY"

DETAIL/SPEC. KEY

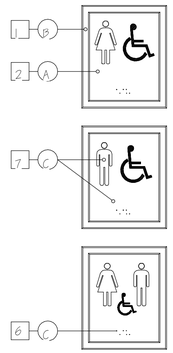
1- APROX. 7" x 7" ACRYLIC MULTIPOLYMER PANELS
2- APROX. 5 1/ 2" x 5 1/ 2" ACRYLIC MULTIPOLYMER PANELS
3- APROX. 12" DIAM. x 1/ 4" THK. ACRYLIC MULTIPOLYMER PANELS
4- APROX. 12" x 1/ 4" THK. EQUILATERAL TRIANGLE ACRYLIC MULTIPOLYMER PANELS
5- APPLIED GRAPHICS
6- RASTER BEADS
7- APPLIED TACTILE GRAPHICS (MACHINE ENGRAVED)

DOOR MOUNTED SIGNS



TRIANGLE MUST CONTRAST WITH CIRCLE , WHICH MUST CONSTRAST WITH DOOR

WALL MOUNTED SIGNS



CHARACTERS, SYMBOLS AND THEIR BACKGROUND SHALL HAVE A NONGLARE FINISH. CHARACTERS ANDSYMBOLS SHALL CONTRAST WITH THEIR BACKGOUND, EITHER LIGHT ON DARK OR DARK ON LIGHT

LICENSED ARCHITECT
MUSTAFA BIDAWI
No. C33953
EXP. DATE
08/ 31/ 2025
STATE OF CALIFORNIA

MUSTAFA BIDAWI, ARCHITECT
8/21/2023 8:48:33 PM

Project number
Date
Drawn by: Author
Checked by: Checker

No.	Description	Date

Dapper Car Sales Inc. Rep:/ Dmitri Stepanov

Dapper Car Sales

2601 West Whittier
Boulevard
La Habra Ca

ACCESSIBILITY DETAILS

Scale: As indicated

ARCHITECTS AND ASSOCIATES INC.
401 PARKCENTER DR
STE 204
SANTA ANA, CA 92705
www.mtarchitects.com
TEL. 714.679.6611
FAX. 714.679.6614

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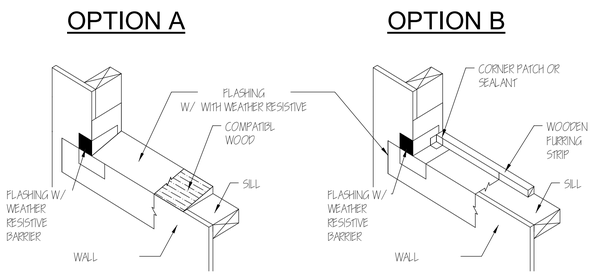
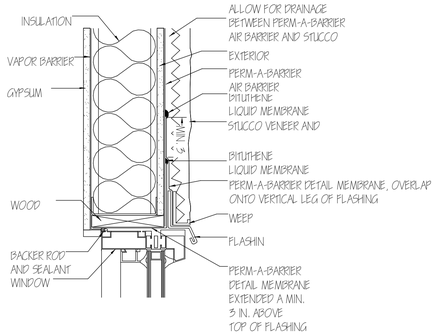


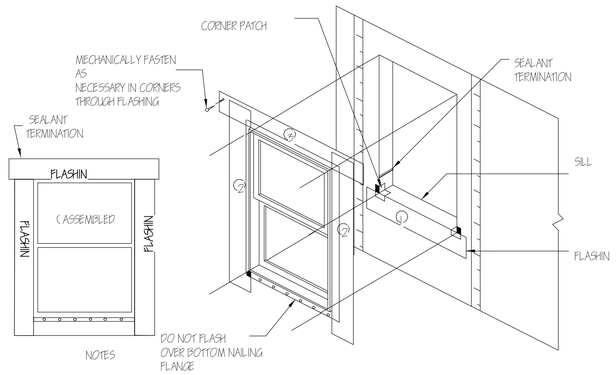
NOTES
OPTION-: INSTALL WOODEN FURRING STRIP ON TOP OF WOODEN SIDING PRIOR TO WEATHER RESISTIVE
FOR SILL PAN DEPTHS GREATER THAN 6 INCHES, A SLOPED SILL IS REQUIRED IN ACCORDANCE WITH ASTM E

1 WINDOWS SILL PAN OPTIONS
N.T.S.



A. To ensure a continuous air barrier across the building envelope, a fully continuous connection should be made to the roof system and Grace waterproofing system.
B. Ensure window system is properly aligned with wall insulation and installed per the window manufacturer's recommendations to ensure continuity of the air barrier system.
C. Install all manufacturer's products in accordance with manufacturer's Product Data Sheets and manufacturer's recommendations.

2 STUCCO WINDOW/SLIDING DOOR HEAD
N.T.S.



INSTALL FLASHING IN ORDER AS SHOWN BY
COMPATIBLE SEALANT TO TOP LEADING EDGE OF HEAD FLASHING AND ALL NON WATER SHEDDING

7 FLANGED WINDOW FLASHING
N.T.S.

MUSTAFA BIDAWI ARCHITECT
8/21/2023 8:46:34 PM

Project number
Date
Drawn by Author
Checked by Checker

No.	Description	Date

Dapper Car Sales Inc. Rep:/ Dmitri Stepanov

Dapper Car Sales

2601 West Whittier
Boulevard
La Habra Ca

DETAILS

Scale As indicated

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