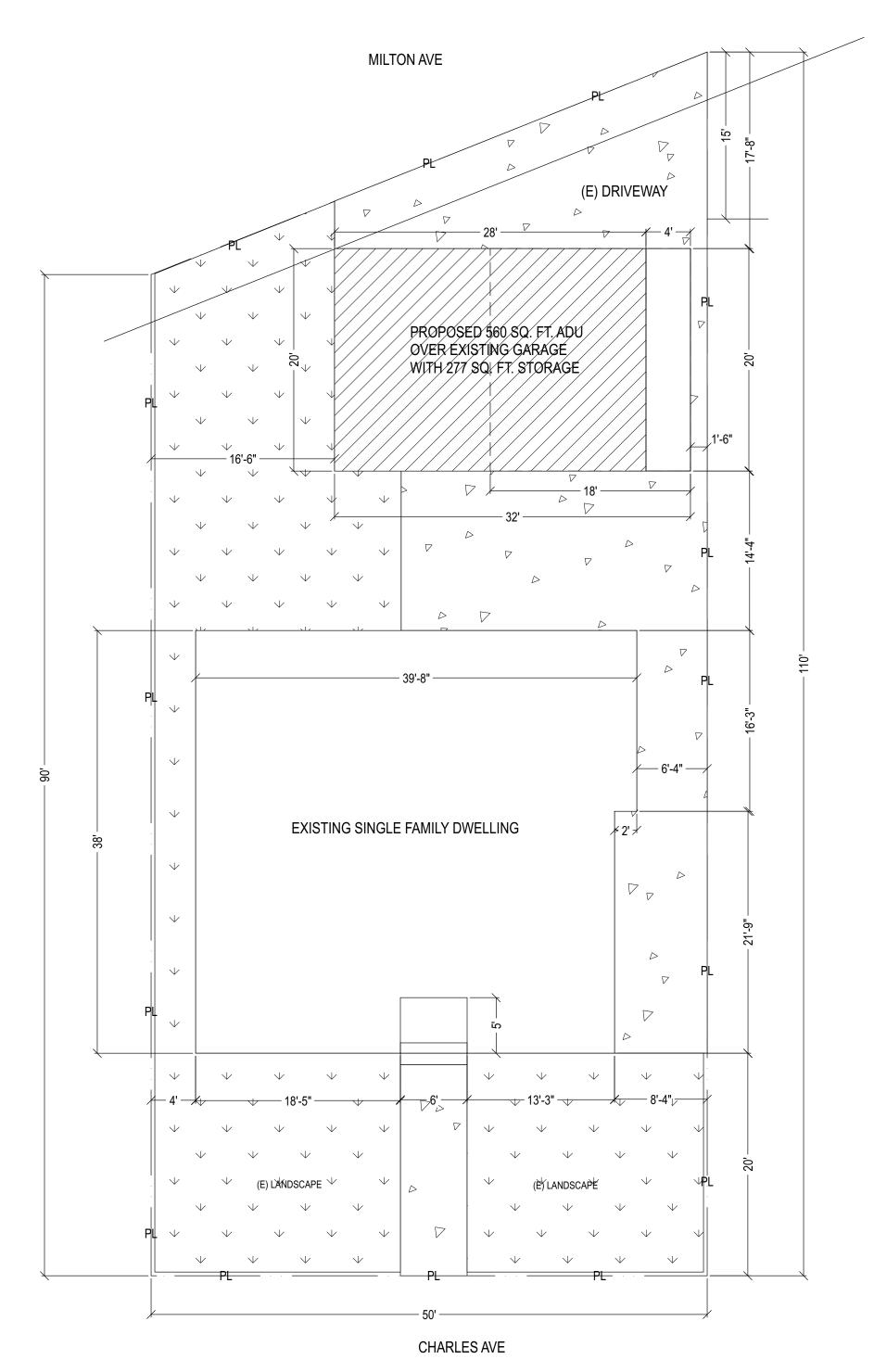
LEGAL NON - CONFORMING PROPERTY



PROPOSED PLOT PLAN SCALE 1/8" = 1' - 0"

SCOPE OF WORK

PROPOSED 560 SQ. FT. ADU OVER EXISTING GARAGE WITH 277 SQ. FT.

BUILDING CONTRACTOR/HOME OWNER TO REVIEW AND VERIFY ALL DIMENSIONS, SPECS, AND CONNECTIONS BEFORE CONSTRUCTION BEGINS.

To the best of my knowledge these plans are drawn to comply with owner's and/ or builder's specifications and any changes made on them after prints are made will be done at the owner's and / or builder's expense and responsibility. The contractor shall verify all dimensions and enclosed drawing. BARBOSA DESIGN, LLC., is not liable for errors once construction has begun. While every effort has been made in the preparation of this plan to avoid mistakes, the maker can not guarantee against human error. The contractor of the job must check all dimensions and other details prior to construction and be solely responsible

BEST MANAGEMENT PRACTICE

STORM WATER POLLUTION CONTROL REQUIREMENTS FOR CONSTRUCTION ACTIVITIES MINIMUM WATER QUALITY PROTECTION REQUIREMENT FOR ALL DEVELOPMENT CONSTRUCTION PROJECTS/CERTIFICATION STATEMENT

THE FOLLOWING IS INTENDED AS AN ATTACHMENT FOR CONSTRUCTION AND GRADING PLANS AND REPRESENT THE MINIMUM STANDARDS OF GOOD HOUSEKEEPING WHICH MUST BE IMPLEMENTED ON ALL CONSTRUCTION SITES REGARDLESS OF SIZE.

1 ERODED SEDIMENTS AND POLLUTANTS SHALL BE RETAINED ON SITE AND SHALL NOT BE TRANSFORMED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE OR WIND.

2 STOCKPILES OF EARTH AND OTHER CONSTRUCTION - RELATED MATERIALS SHALL BE COVERED AND/OR PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY WIND OR WATER

3 FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIAL MUST BE STORE DIN ACCORDANCE WITH THEIR LISTINGS AND SHALL NOT CONTAMINATE THE SOIL NOT THE SURFACE WATERS. ALL APPROVED TOXIC STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WATER. SPILLS MUST BE CLEARED UP IMMEDIATELY AND DISPOSED OFF PROPERTY AND SHALL NOT BE WASHED INTO THE DRAINAGE SYSTEM

4 NON - STORM WATER RUNOFF FROM EQUIPMENT AND VEHICLE WASHING AND ANY OTHER ACTIVITY SHALL BE CONTAINED ON THE PROJECT SITE. 5 EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTER ON SIRE UNTIL IT CAN BE APPROPRIATELY DISPOSED

6 TRASH AND CONSTRUCTION - RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION

OF STORM WATER AND DISPERSAL BY WIND. 7 SEDIMENTS AND OTHER MATERIAL SHALL NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS

DEPOSITED INTO THE STREET/ PUBLIC WAYS. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR BY ANY OTHER MEANS.

8 RETENTION BASINS OF SUFFICIENT SIZE SHALL BE PROVIDED TO RETAIN STORM WATER RUNOFF ON SITE AND SHALL BE PROPERLY LOCATED TO COLLECTED ALL TRIBUTARY SITE RUNOFF.

9 WHERE RETENTION OF STORM WATER RUNOFF ON SITE IS NOT FEASIBLE DUE TO THE SITE CONSTRAINTS, RUNOFF MAY BE CONVEYED TO THE STREET AND THE STORM DRAIN SYSTEM PROVIDED THAT AN APPROVED FILTERING SYSTEM IS INSTALLED AND MAINTAIN DON SITE DURING THE CONSTRUCTION DURATION.

10 ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER

AS THE PROJECT OWNER OR AUTHORIZED AGENT OF THE OWNER, I HAVE READ AND UNDERSTAND THE REQUIREMENTS LISTED ABOVE, NECESSARY TO CONTROL STORM WATER POLLUTION FROM SEDIMENTS, EROSION, AND CONSTRUCTION MATERIALS, AND I CERTIFY THAT I WILL COMPLY WITH THESE REQUIREMENTS.

PRINT NAME: MARISOL XOCHILT BARBOSA

(OWNER OR AUTHORIZED AGENT OF THE OWNER)

(OWNER OR AUTHORIZED AGENT OF THE OWNER)

COMPLY WITH BUILDING CODES

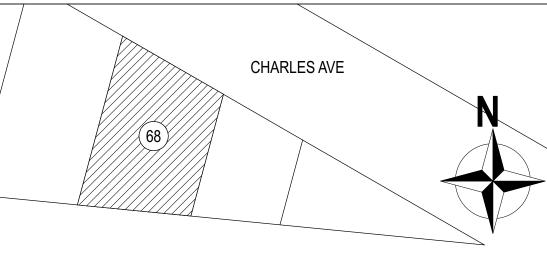
2020 CALIFORNIA BUILDING CODE 2020 CALIFORNIA ELECTRICAL CODE

2020 CALIFORNIA PLUMBING CODE 2020 CALIFORNIA MECHANICAL CODE

2020 CALIFORNIA GREEN BUILDING STANDARDS CODE

2020 CALIFORNIA FIRE CODE

VICINITY MAP



SCOPE OF WORK:

PROPOSED 560 SQ. FT. ADU OVER EXISTING GARAGE WITH 277 SQ. FT. STORAGE

BARBOSA DESIGN, LLC

1619 BRYCEDALE AVE DUARTE, CA 91010

MARISOL X. BARBOSA (323) 717 - 3736

LEGAL DESCRIPTION

MILTON AVE

APN# 4208 - 025 - 021 PROPERTY TYPE: SINGLE FAMILY DWELLING **TRACT NO: 7432** LOT: 68 BLOCK: **ZONING:** OCCUPANCY:

I OT COVERAGE

LOT COVERAGI		
EXISTING SINGLE FAMILY DWELLING	1,118	SQ. FT.
EXISTING GARAGE	363	SQ. FT.
WORK AREA/STORAGE	277	SQ. FT.
ACCESSORY DWELLING UNIT (ADU)	560	SQ. FT.
TOTAL	2,318	SQ. FT.
LOT AREA	5,000	SQ. FT.

ARDITO RESIDENCE 4121 CHARLES AVE CULVER CITY, CA 90232

REVISIONS:

LIST OF DRAWINGS

PROPOSED PLOT PLAN

PROPOSED 1ST AND 2ND FLOOR PLAN

PROPOSED ELEVATION PLAN PROPOSED CROSS SECTION PLAN

FOUNDATION/CEILING/ROOF PLAN

DETAILS **DETAILS**

NOTES NOTES

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NOTES

OWNER SHALL REPAIR OR REPLACE ANY DAMAGED, DEFECTIVE, OFF-GRADE, OR ANY NON-CONFORMING SIDEWALK, DRIVEWAY APPROACH, OR NON - CONFORMING CONDITIONS THAT EXIST IN THE PUBLIC RIGHT OF WAY AND BE CONSIDERED HAZARDOUS BY THE CITY ENGINEER (MUNICIPAL ORDINANCE 9.08.415). THIS WORK WILL REQUIRE A SEPARATE PERMIT THROUGH ENGINEERING DIVISION AND MUST BE OBTAINED BY A LICENSED CONTRACTOR AND COMPLETED PRIOR TO FINAL INSPECTION.

DATE: APRIL 2015

DESIGNED BY: MXB

SCALE: SEE PLAN

JOB NUMBER: 16 - 2050

PLOT PLAN LEGEND

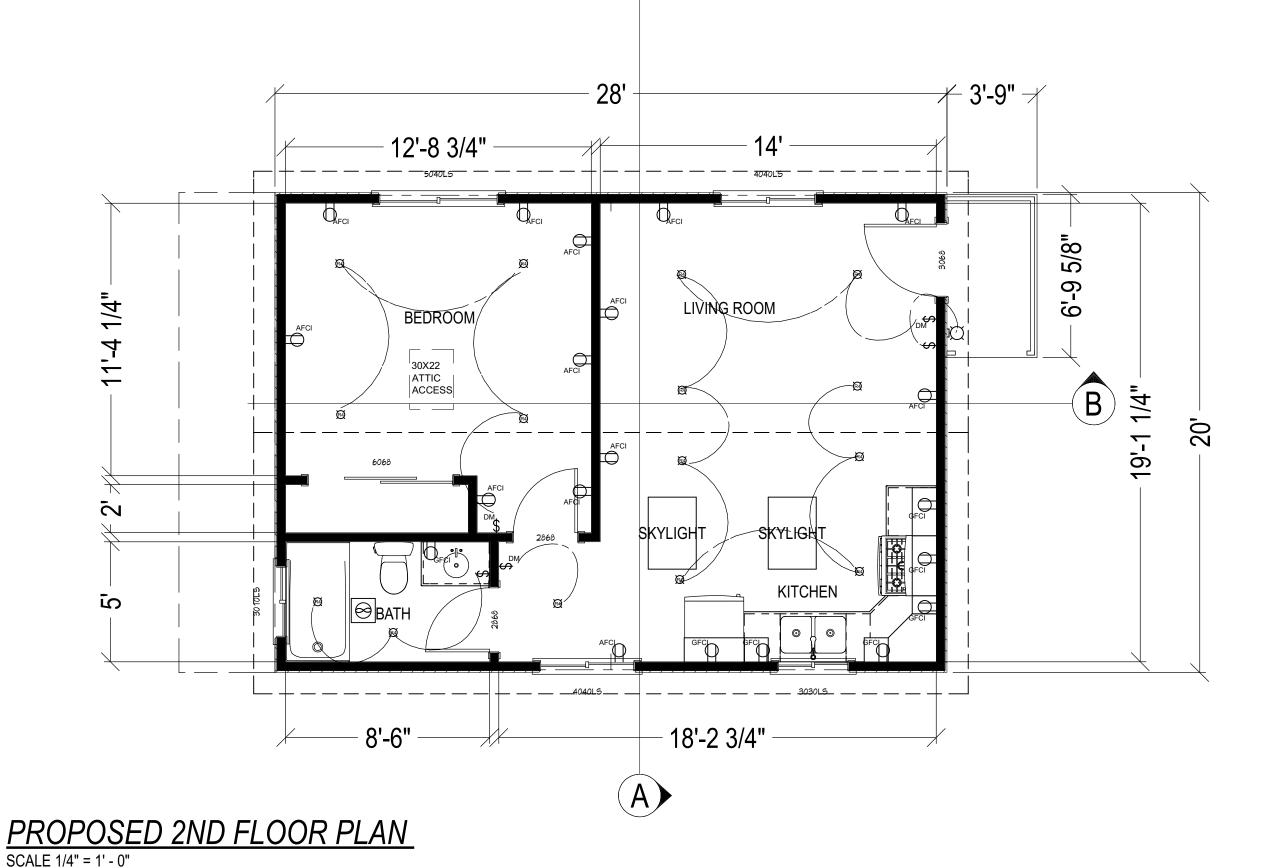
NEW CONSTRUCTION г — — · · · — — · · · — — — · · PROPERTY LINE

LANDSCAPE

CONCRETE

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A



Q_{FCI} (E) GARAGE STORAGE GFC 9070 18'-2" 13'-10" 32'

PROPOSED 1ST FLOOR PLAN SCALE 1/4" = 1' - 0"



BARBOSA DESIGN, LLC

1619 BRYCEDALE AVE DUARTE, CA 91010 MARISOL X. BARBOSA (323) 717 - 3736

SCOPE OF WORK:

PROPOSED 560 SQ. FT. ADU **OVER EXISTING GARAGE** WITH 277 SQ. FT. STORAGE

	WINDOW SCHEDULE									
QTY.	SIZE	DESCRIPTION	U FACTOR	SHGC						
1	3' - 0" X 1' - 0"	LEFT SLIDING W/ BUG SCREEN	0.32	0.21						
1	3' - 0" X 3' - 0"	LEFT SLIDING W/ BUG SCREEN	0.32	0.21						
3	4' - 0" X 4' - 0"	LEFT SLIDING W/ BUG SCREEN	0.32	0.21						
1	5' - 0" X 4' - 0"	LEFT SLIDING W/ BUG SCREEN	0.32	0.21						
2		SKYLIGHTS								

DOOR SCHEDULE

ELECTRICAL - DATA - AUDIO LEGEND

DESCRIPTION

DOUBLE HUNG

DOUBLE HUNG

GARAGE DOOR

QTY.

AV Control

SIZE

2' - 8" X 6' - 8"

3' - 0" X 6' - 8"

8' - 0" X 7' - 0"

ARDITO RESIDENCE 4121 CHARLES AVE CULVER CITY, CA 90232

REVISIONS:

SYMBOL **DESCRIPTION** Ceiling Fan 1. AN APPROVED SMOKE ALARM SHALL BE INSTALLED IN EACH SLEEPING ROOM & Ventilation Fans: Ceiling Mounted, Wall Mounted HALLWAY OR AREA GIVING ACCESS TO A SLEEPING ROOM & HALLWAY AND ONE ON EACH STORY AND BASEMENT FOR DWELLING WITH MORE THAN ONE STORY. SMOKE ALARMS SHALL BE INTERCONNECTED SO THAT ACTUATION OF ONE Ceiling Mounted Light Fixtures: Surface/Pendant, ALARM WILL ACTIVATE ALL THE ALARMS WITHIN THE INDIVIDUAL DWELLING UNIT. Recessed, Heat Lamp, Low Voltage IN NEW CONSTRUCTION SMOKE ALARMS SHALL RECEIVE THEIR PRIMARY POWER SOURCE FROM THE BUILDING WIRING AND SHALL BE EQUIPPED WITH Wall Mounted Light Fixtures: Flush Mounted, THESE PLANS AND ANY ATTACHED Wall Sconce 2. AN APPROVED CARBON MONOXIDE ALARM SHALL BE INSTALLED IN DWELLING DOCUMENTS ARE WORK AND PROPERTY OF BARBOSA DESIGN, LLC. WHICH SHALL UNIT AND IN SLEEPING UNITS WITHIN WHICH FUEL BURNING APPLIANCE ARE Chandelier Light Fixture NOW BE REFEREED TO AS "THE INSTALLED AND IN DWELLING UNITS THAT HAVE ATTACHED GARAGES. CARBON COMPANY". THE DUPLICATION AND USE OF THESE DOCUMENTS SHALL BE DONE DWELLING UNIT SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOM Fluorescent Light Fixture ONLY WITH AN AGREEMENT AND WRITTEN 3. SMOKE DETECTORS SHALL BE PROVIDED FOR ALL DWELLING UNITS INTENDED CONCENT FROM THE COMPANY AND SHALL BE PURSUANT TO APPLICABLE FOR HUMAN OCCUPANCY UPON THE OWNERS APPLICATION FOR A PERMIT FOR 240V Receptacle ALTERATIONS, REPAIRS, OR ADDITION, EXCEEDING ONE THOUSAND DOLLARS LAWS. ANY ALTERATIONS OF THESE DOCUMENTS SHALL VOID THEIR USE IF NOT DONE WITH PERMISSION FROM THE 110V Receptacles: Duplex, Weather Proof, GFCI COMPANY. THERMOSTATIC MIXING VALVE, OR A COMBINATION PRESSURE BALANCE/ Switches: Single Pole, Weather Proof, 3-Way, 4-Way DATE: APRIL 2015 Switches: Dimmer, Timer DESIGNED BY: MXB

FLOOR PLAN LEGEND

MONOXIDE ALARM SHALL BE PROVIDED OUTSIDE OF EACH SEPARATE

AND ON EVERY LEVEL OF A DWELLING UNIT INCLUDING BASEMENTS.

4. ALL SHOWERS AND TUB SHOWERS SHALL HAVE A PRESSURE BALANCE,

NOTES:

BATTERY BACK UP AND LOW BATTERY SIGNAL.

THERMOSTATIC MIXING TYPE VALVE.

(\$1,000.00)

(N) WALL (E) WALL WINDOWS DOORS **CROSS SECTION** (A) (B) DEMO WALLS

1ST FLOOR FOOT PRINT

ATTIC ACCESS

5' X 6'

Wall Jacks: CAT5, CAT5 + TV, TV/Cable Telephone Jack Intercom Thermostat Door Chime, Door Bell Button Smoke Detectors: Ceiling Mounted, Wall Mounted

Electrical Breaker Panel

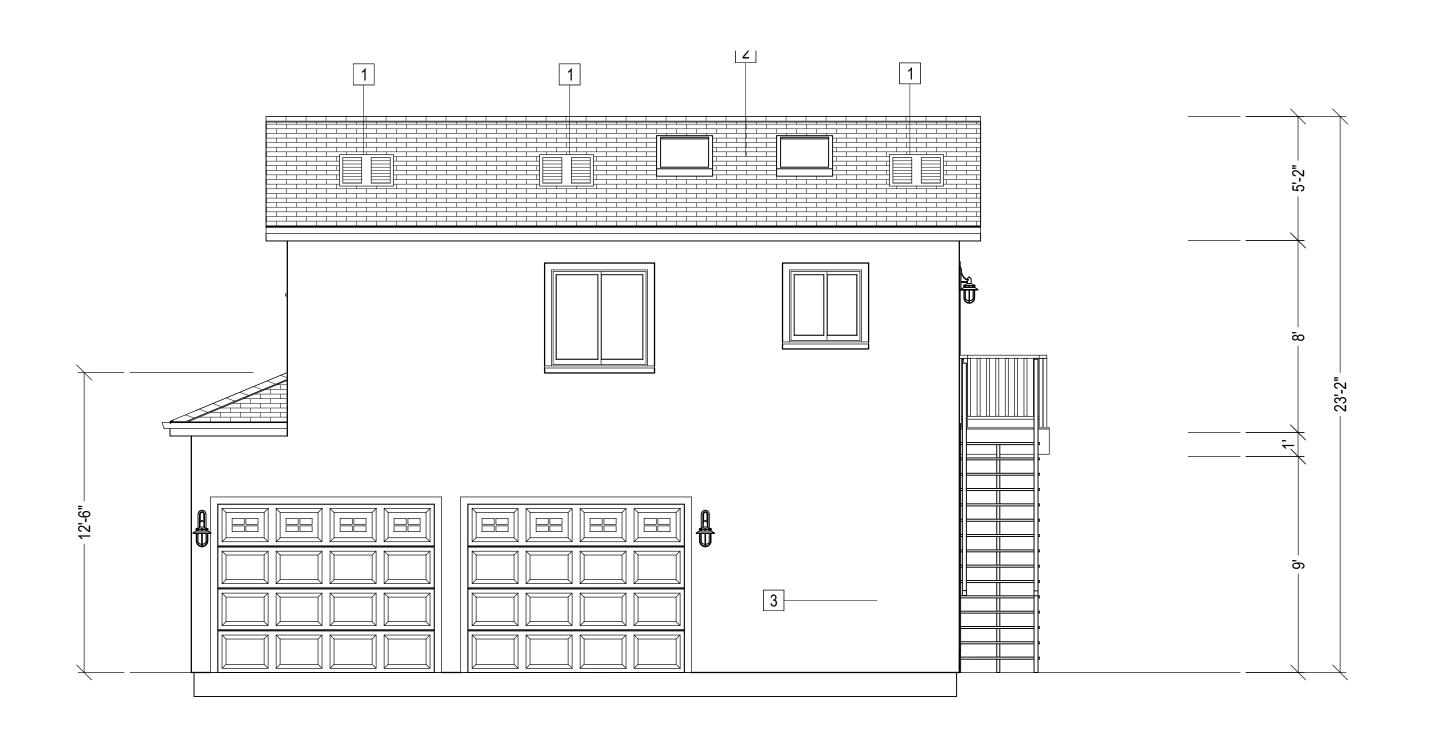
Audio Video: Control Panel, Switch

Speakers: Ceiling Mounted, Wall Mounted

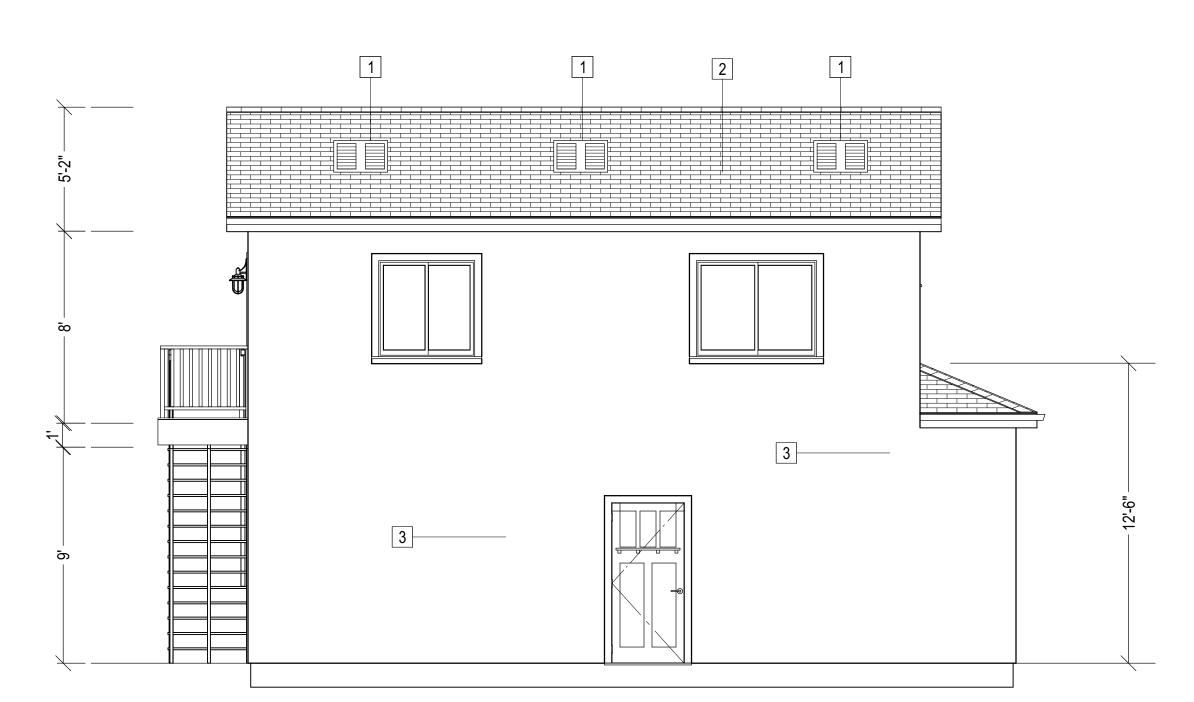
A2

SCALE: SEE PLAN

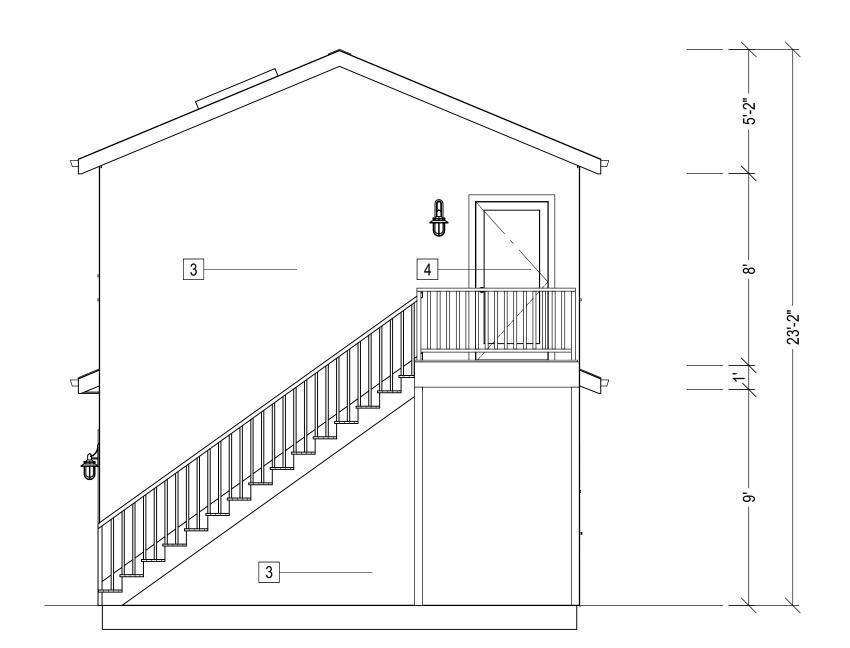
JOB NUMBER: 16 - 2050



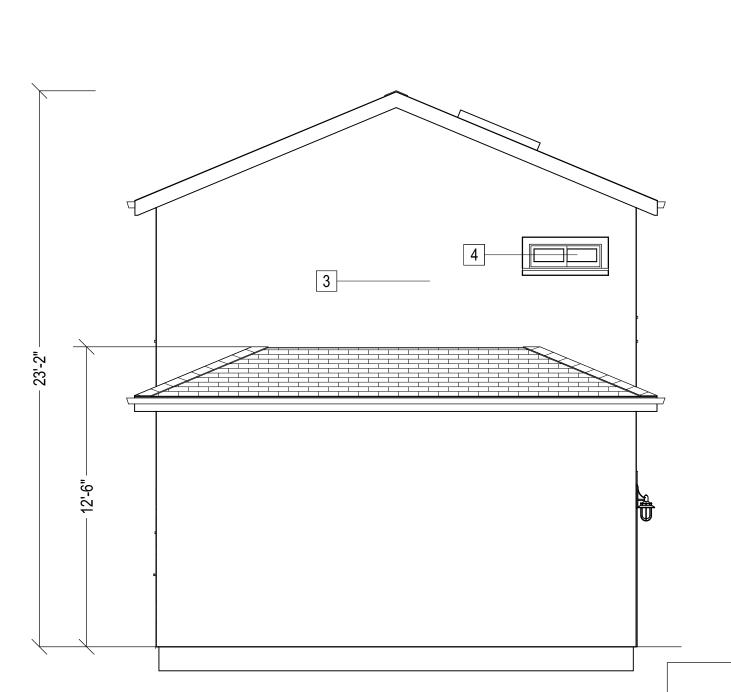
PROPOSED SOUTH ELEVATION
SCALE 1/4" = 1' - 0"



PROPOSED NORTH ELEVATION
SCALE 1/4" = 1' - 0"



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



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

ELEVATION PLAN

- 1 LOW PROFILE ATTIC VENTS
- 2 CLASS "A" SHINGLE
- 3 7/8" STUCCO FINISH
- 4 TEMPERED WINDOWS

ROOFING INFORMATION:

MANUFACTURER: OWENS CORNING

MODEL: OAKRIDGE

COLOR: AMBER

ICC - ES AC438 SRI 21

BARBOSA DESIGN, LLC

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> ARDITO RESIDENCE 4121 CHARLES AVE CULVER CITY, CA 90232

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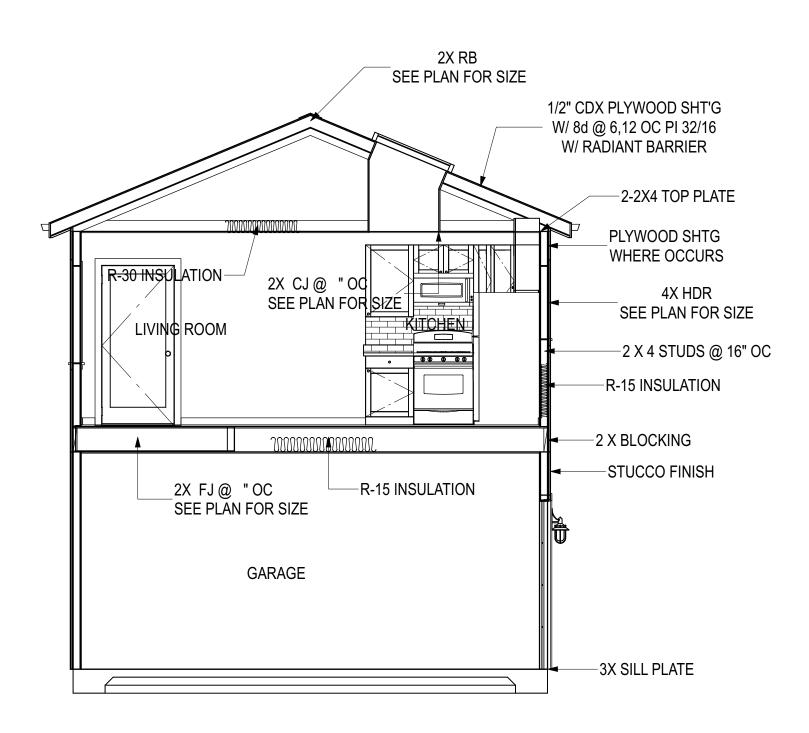
DATE: APRIL 2015

DESIGNED BY: MXB

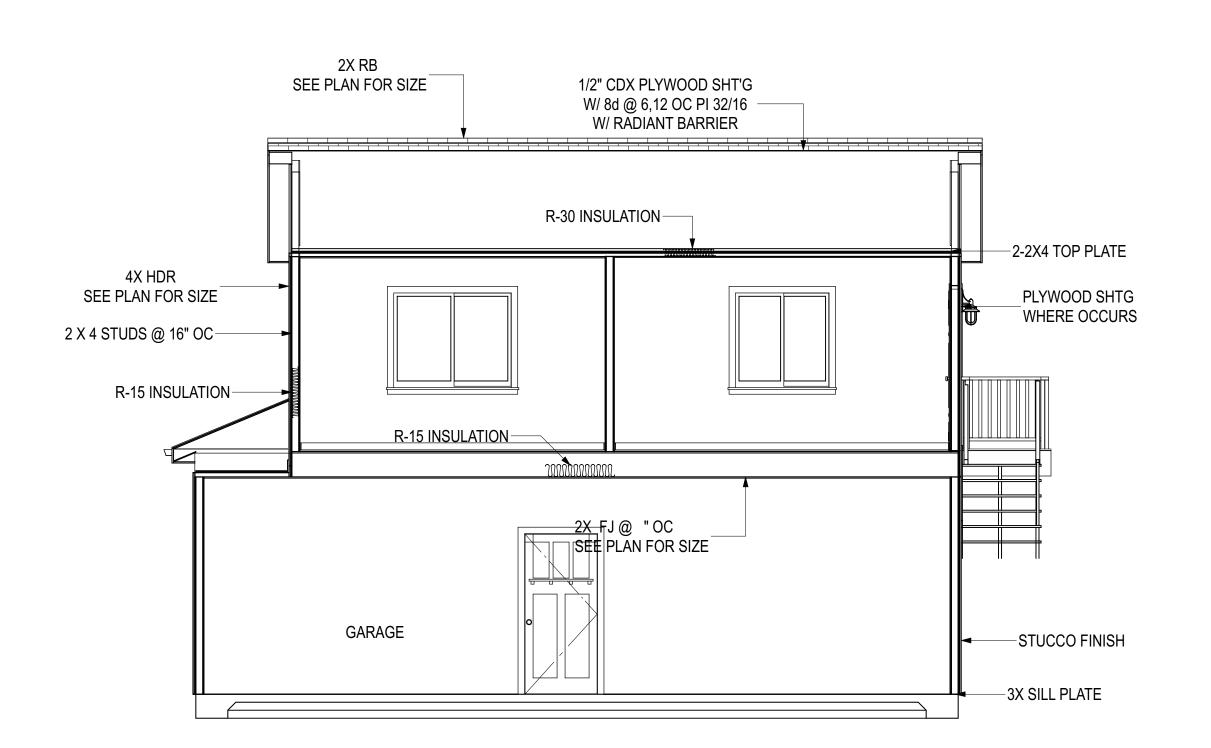
SCALE: SEE PLAN

JOB NUMBER: 16 - 2050

A3



CROSS SECTION A
SCALE 1/4" = 1' - 0"



CROSS SECTION B
SCALE 1/4" = 1' - 0"

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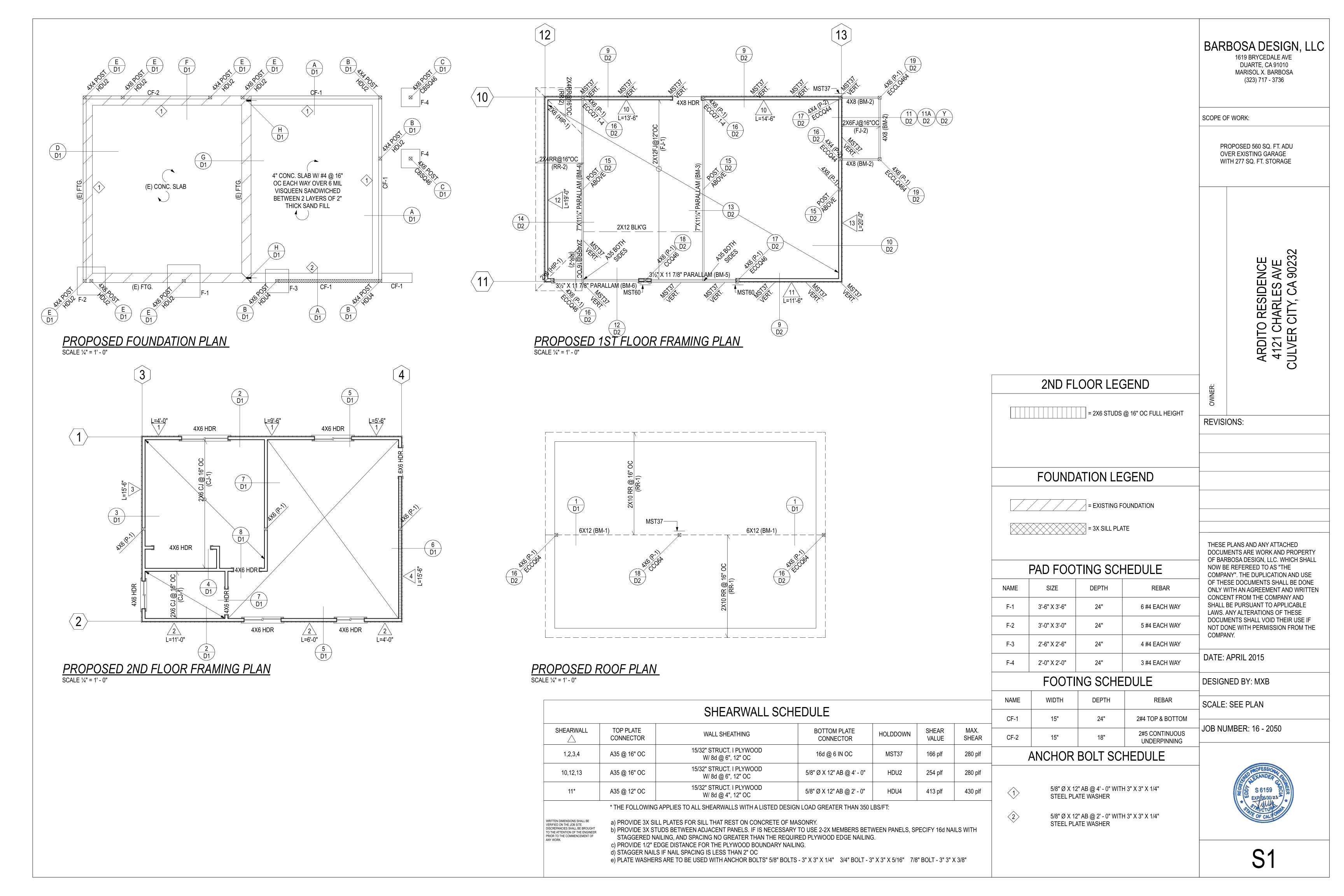
DATE: APRIL 2015

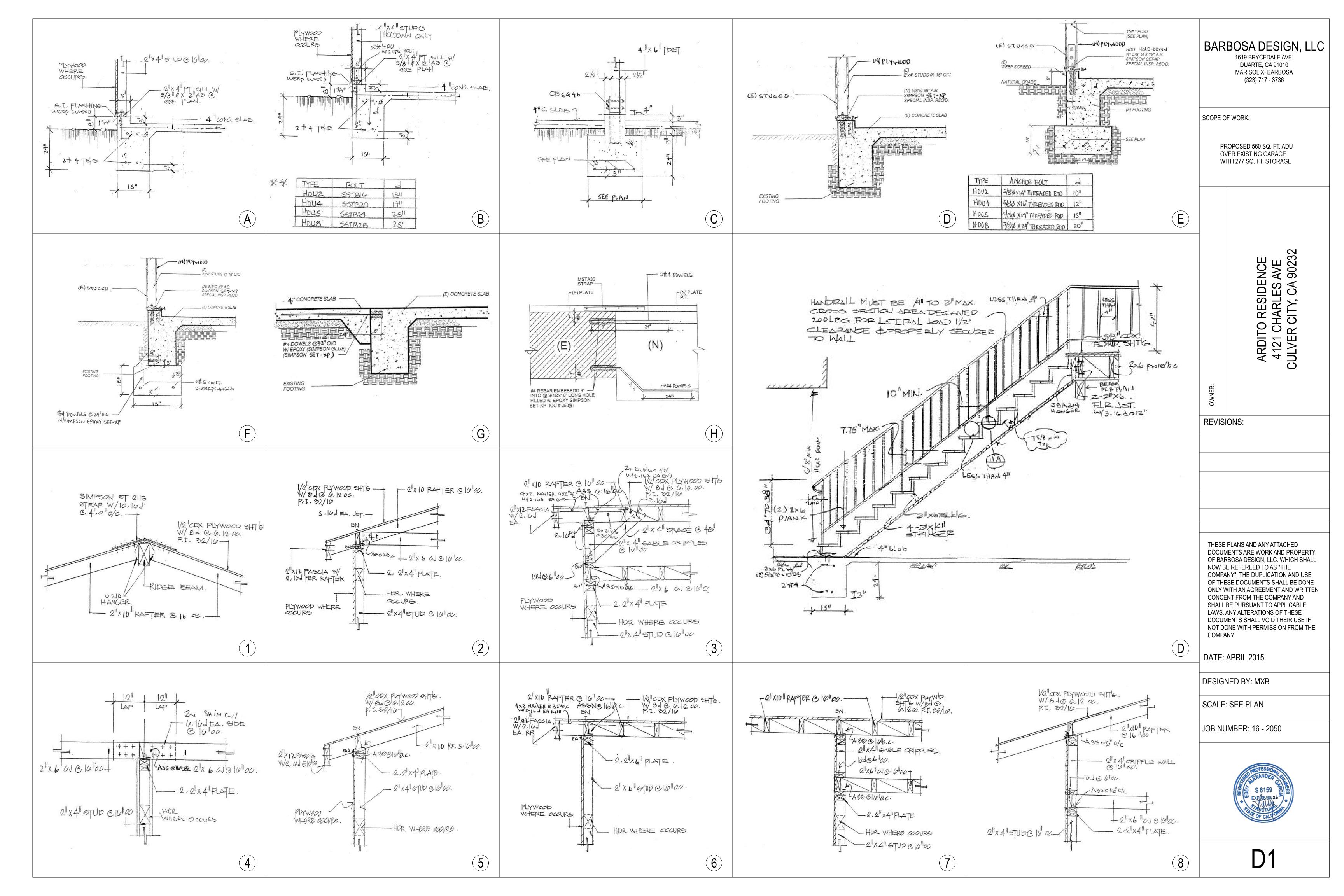
DESIGNED BY: MXB

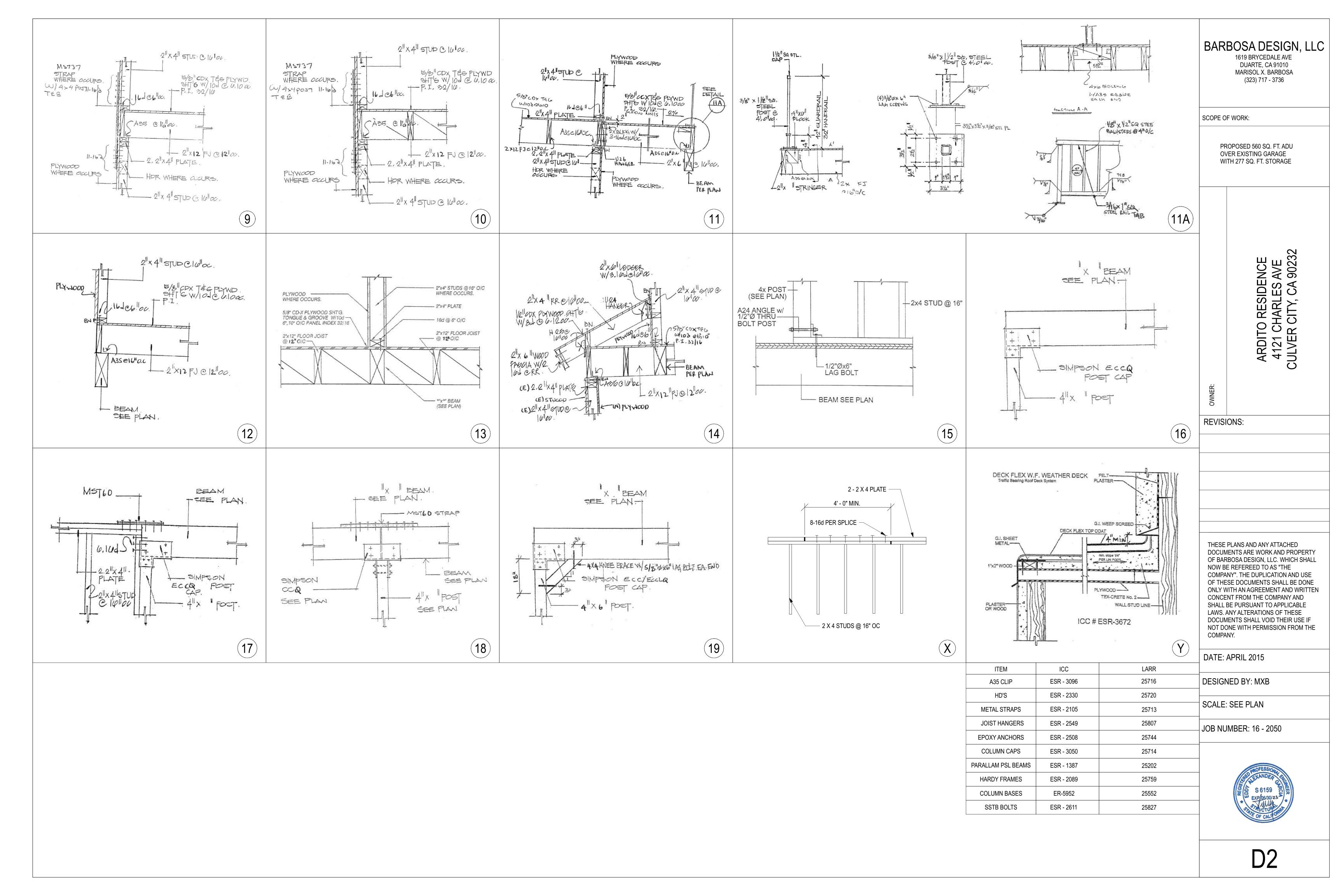
SCALE: SEE PLAN

JOB NUMBER: 16 - 2050

A4







Equivalent lateral force procedure ASCE 7-16 section 12.8

FASTENING SCHEDULI

Roof

 $3-3'' \times 0.131''$ nails; or

 $2-3'' \times 0.131''$ nails

2-3" 14 gage staples

 $3-3'' \times 0.131''$ nails

3-3" 14 gage staples

3-8d common $(2^{1}/_{2}'' \times 0.131'')$; or

|3-3''| 14 gage staples, $\frac{7}{16}''$ crown

2-16 d common $(3^1/_2" \times 0.162")$

 $3'' \times 0.131''$ nails @ 6" o.c.

 $3'' \times 14$ gage staples @ 6" o.c

 $3-10d \text{ box } (3'' \times 0.128''); \text{ or }$

3-3" 14 gage staples, ⁷/₁₆" crown

4-3" 14 gage staples, ⁷/₁₆" crown

3-10d common (3" \times 0.148"); or

4-3" 14 gage staples, ⁷/₁₆" crown

 $3-10 \text{ common } (3'' \times 0.148''); \text{ or }$

 $3-16d \text{ box } (3^{1}/_{2}'' \times 0.135''); \text{ or }$

4-3" 14 gage staples, ⁷/₁₆" crown

 $3-10d \text{ box } (3'' \times 0.128''); \text{ or }$

 $3-3'' \times 0.131''$ nails; or

-16d common $(3^{1}/_{2}" \times 0.162")$; or

3-3" 14 gage staples, $\frac{7}{16}$ " crown; or

 $3-10d \text{ common } (3^{1}/_{2}'' \times 0.148''); \text{ or }$

 $3-16d \text{ box } (3^{1}/," \times 0.135"); \text{ or}$

4-3" 14 gage staples, ⁷/₁₆" crown

(continued)

 $4-10d \text{ box } (3'' \times 0.128''); \text{ or }$

 $4-3'' \times 0.131''$ nails; or

 $4-10d \text{ box } (3" \times 0.128"); \text{ or }$

 $4-3'' \times 0.131$ nails; or

 $4-10d \text{ box } (3'' \times 0.128''); \text{ or }$

 $4-3'' \times 0.131''$ nails; or

4-10d box $(3'' \times 0.128'')$; or

 $4-3'' \times 0.131''$ nails; or

Per Table 2308.7.3.1

3-16d common $(3^{1}/_{2}" \times 0.162")$; or

 $3-3'' \times 0.131''$ nails; or

3-8d common $(2^{1}/_{2}" \times 0.131")$; or

16d common $(3^{1}/_{2}" \times 0.162")$ @ 6" o.c.

2-8d common $(2^{1}/_{2}" \times 0.131")$

NUMBER AND TYPE OF FASTENER

SPACING AND LOCATION

Each end, toenail

Each end, toenail

Each joist, toenail

Face nail

Face nail

Face nail

Analysis procedure used:

Redundancy factor used:

Design load bearing of soil:

DESCRIPTION OF BUILDING ELEMENTS

Blocking between rafters or truss not at the wall

to top plate or other framing below

Flat blocking to truss and web filler

Ceiling joist not attached to parallel rafter, laps

(see Section 2308.7.3.1, Table 2308.7.3.1)

(see Section 2308.7.3.1. Table 2308.7.3.1)

top plate, to rafter or truss

Ceiling joists to top plate

over partitions (no thrust)

Rafter or roof truss to top plate

rafter to 2-inch ridge beam

(See Section 2308.7.5, Table 2308.7.5)

Roof rafters to ridge valley or hip rafters; or roof

. Collar tie to rafter

Blocking between ceiling joists, rafters or trusses 3-10d box $(3'' \times 0.128'')$; or

GENERAL NOTES:

Provide smoke detectors in all bedrooms and entrances to bedrooms. See plan for location, See Detail _____ for cord splices and detail _____ for shear wall drag struts.

An approved Seismic Gas Shutoff Valve will be installed on the fuel gas line on the down stream side of the utility meter and be rigidly connected to the exterior of the building or structure containing the fuel gas piping. (Per Ordinance 170,158) Not required for existing dwellings, or apt's.

SHEAR WALL NOTES:

Stucco and/or stucco with veneer over a plywood shear wall will be waterproofed with a minimum of (2) 15# felt underlayments.

Only common nails will be used for all plywood shear walls and nail guns using "Clipped Head" or "sinker" nails are not acceptable.

All bolt holes to be drilled 1/32" min. to 1/16" max. oversized.

Douglas-Fir (Group II Lumber) pressure treated sill plates will be used; Engineer to be notified for redesign if other species sills are delivered to the site (or are part of existing building).

The following applies to all shear walls with a listed design load greater than 350 PLF:

Provide 3x Sill plates for sills that rest on concrete or masonry. Provide 3 x studs between adjacent panels. If it is necessary to use 2-2X members between panels, specify 16d nails with staggered nailing, and spacing no greater than the required

Provide 1/2" Edge Distance for the plywood boundary nailing. Plate washers are to be used with anchor bolts.

5/8" bolt - 3"x3"x1/4" 3/4" bolt - 3"x3"x5/16" 7/8" bolt - 3"x3"x3/8"

HOLD DOWN CONNECTORS

Plate washers are to be used on the back side of the HD post. See 6e. above for required sizes.

10. HD anchor nut to be tightened just prior to covering the wall framing.

Provide Deputy Inspection for hold down anchor bolts in tension. Unless the lower design values allowed by Table 26-E for bolts in tension are shown on the plans as the design allowable HD loads.

12. See HD straps detail 9,10 for number of nails and framing member sizes. See detail 3,E.

MATERIAL SPECIFICATIONS

Plywood: Product Standard PS 1-09 Douglas fir-Larch, Structural I (or CDX)

Particleboard: ANSI A208.1-2009. Note: Particleboard must be protected from moisture. Wood Framing members: Douglas fir-larch Grades NO.1, NO.2 PARALAM. Engineer if other species of lumber are delivered to the site or are part of the existing construction.

Steel: Structural steel ASTM A36, Structural Pipe ASTM A53 Gd B, Tubing ASTM A 501. Reinforcing bars ASTM A615. LA City Bldg Dept licenced shop required for shop welds.

16. Concrete: Standard 2500 psi concrete. 3000 psi for Grade Beams and caissons.

TABLE 2304.10.1—continued

16d common $(3^1/_2'' \times 0.162'')$;

NUMBER AND TYPE OF FASTENER

SPACING AND LOCATION

End nail

Face nail

DESCRIPTION OF BUILDING ELEMENTS

7. Top or bottom plate to stud

18. Top plates, laps at corners and intersections

Douglas Fir Larch (per grading rules 16) TIMBER: 2 x 4 and 4 x 4 ----- Standard Grade (Vertical Members) No. 2 Grade (Horizontal Members)

2 x 6 and Larger ----- No. 2 Grade (Horizontal and Vertical Members) 4 x 6 and Larger ----- No. 1 Grade (Horizontal and Vertical Members)

DESIGN CRITERIA

Maximum moisture content shall be 19%

PLYWOOD: PS 1-09 Per APA Standard. Pl. 32/16

STRUCTURAL STEEL: ASTM A-36 STEEL, Per AISC Standards Pipe and Tubing, Grade B type E or type S, ASTM A-501

AWS-E70XX, Per American Welding Society Standards

CONCRETE: (Strength @ 28 days) Per ACI 318 specifications. Foundation ----- fc = 2500 psi

---- fc = 3000 psi Columns ----- fc = 3000 psi Struct. Slabs ----- fc = 3000 psi

Hollow Concrete MASONRY: ASTM C - 90, ASTM and IBC Standards Type N units, Type S Mortar, 2,000 psi, grout fm = 1,350 psi (partially grouted) Fm = 225 psi

REINFORCING STEEL: ASTM A-615 Per CRSI Standards.

before final bids.

#6 and Smaller ---- Grade 40 #7 and Larger ----- Grade 60

Allowable Soil Bearing Value (Fbrg) = 1500 psf

Per Soil Report By: Table 1806.2 Type of Soil: Sandy Clay

fm = 1,500 psi (solid grouted) Fm = 250 psi

SHOT PINS: Simpson 0.145"Øx3" @ 24" O.C. " All Framing Connectors to be Simpson Strong-Tie or Equal "

Note: General contractor to review structural plans and structural details before given any bids to property owner. Any discrepancies shall be notified to engineer and/or designer

Epoxy-Tie Insert cartridge into dispensing tool. Preparation • Remove plugs from cartridge and attach a mixing nozzle. Before injecting, check that nozzle is free of gelled or hardened material.

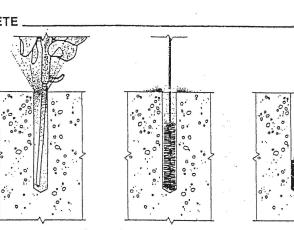
 Dispense bead of Epoxy-Tie off to the side to check for proper mixture (a uniform gray color) before using. Tighten retaining nut on nozzle. DO NOT OVER-TIGHTEN,

 Caution: Epoxy will start to harden in the mixing nozzle after 7-8 minutes. Epoxy will harden faster as the air temperature increases. Replace nozzle to avoid blowouts If using a pneumatic dispensing tool, air pressure must be

regulated at 80-100 psi. A partially-used cartridge may be stored up to one year for future use. Store at a temperature above 45°F.

The white resin and black hardener mix separations in the nozzle, dispensed.

Installation into CONCRETE ___



Clean-Remove dust from hole with oil-free compressed air. Clean with nylon brush and blow out remaining dust. Dust left in hole will reduce the

TABLE 2304.10.1-continued

FASTENING SCHEDULE

Wood structural panels (WSP), subfloor, roof and interior wall sheathing to framing and particleboard wall sheathing to framing

NUMBER AND TYPE OF FASTENER

8d box or deformed $(2^{1}/_{2}" \times 0.113")$ (roof)

6d common or deformed $(2'' \times 0.113'')$

 $2^3/8^{"} \times 0.113^{"}$ nail (subfloor and wall)

 $1^{3}/_{4}^{"}$ 16 gage staple, $7/_{16}^{"}$ crown (roof)

 $\frac{3}{4}$ " 16 gage staple, $\frac{7}{16}$ " crown

 $2^{3}/_{8}'' \times 0.113''$ nail (roof)

8d common $(2^{1}/_{2}'' \times 0.131'')$; or

6d deformed (2" × 0.113")

2" 16 gage staple, ⁷/₁₆" crown

8d deformed $(2^{1}/_{2}" \times 0.131")$

" head diameter); or

diameter head); or

8d common $(2^{1}/_{2}" \times 0.131")$; or

8d common $(2^{1}/_{2}" \times 0.131")$; or

10d common (3" \times 0.148"); or

8d deformed $(2^{1}/_{2}" \times 0.131")$

8d deformed $(2^{1}/_{2}'' \times 0.131'')$

6d corrosion-resistant siding

8d corrosion-resistant siding

8d corrosion-resistant casing

(continued)

6d corrosion-resistant casing $(2'' \times 0.099'')$

Panel siding to framing

 $(1^7/_{\rm s}" \times 0.106")$; or

 $(2^3/_8'' \times 0.128'')$; or

 $(2^1/_2'' \times 0.113'')$

Wood structural panels, combination subfloor underlayment to framing

6d deformed $(2'' \times 0.113'')$

Other exterior wall sheathing

10d common (3" \times 0.148"); or

galvanized roofing nail

" galvanized roofing nail

 $\frac{7}{4}$ 16 gage staple with $\frac{7}{16}$ or 1" crown

 $\frac{1}{2}$ " 16 gage staple with $\frac{7}{16}$ " or 1" crown

 $2^{3}/_{8}'' \times 0.113''$ nail; or

Fill-Dispense bead Insert-Anchors must of ET off to the side to be clean and oil free. check for proper mixture Insert anchor, turning slowly until the anchor before using. Fill hole halfway, starting from hits the bottom of the hole. Do not disturb bottom of hole to avoid during set time. air pockets. Withdray nozzle as hole fills up.

SPACING AND LOCATION

12

12

12

12

12

6

Icc # ESR - 2508 LARR# 25744

DESCRIPTION OF BUILDING ELEMENTS

31. ${}^{3}/{}_{8}'' - {}^{1}/{}_{2}''$

32. $^{19}/_{32}'' - ^{3}/_{4}''$

33. $\frac{7}{8}'' - 1^{1}/\frac{4}{4}''$

36. $\frac{3}{4}$ and less

38. $1^{1}/_{8}'' - 1^{1}/_{4}''$

39. $^{1}/_{2}^{"}$ or less ____

37. $\frac{7}{8}'' - 1''$

34. 1/2" fiberboard sheathing^b

35. 25/32" fiberboard sheathingb

Drill hole to the

specified diameter and

NCE AVE 9023 NESIDEN HARLES / CITY, CA (ARDITO 4121 CH ULVER C

BARBOSA DESIGN, LLC

1619 BRYCEDALE AVE

DUARTE, CA 91010

MARISOL X. BARBOSA

(323) 717 - 3736

PROPOSED 560 SQ. FT. ADU

OVER EXISTING GARAGE

WITH 277 SQ. FT. STORAGE

SCOPE OF WORK:

REVISIONS:

THESE PLANS AND ANY ATTACHED DOCUMENTS ARE WORK AND PROPERTY OF BARBOSA DESIGN, LLC. WHICH SHALL NOW BE REFEREED TO AS "THE COMPANY". THE DUPLICATION AND USE OF THESE DOCUMENTS SHALL BE DONE ONLY WITH AN AGREEMENT AND WRITTEN CONCENT FROM THE COMPANY AND SHALL BE PURSUANT TO APPLICABLE

LAWS. ANY ALTERATIONS OF THESE

DOCUMENTS SHALL VOID THEIR USE IF

NOT DONE WITH PERMISSION FROM THE

DATE: APRIL 2015

COMPANY.

DESIGNED BY: MXB

SCALE: SEE PLAN

JOB NUMBER: 16 - 2050



10d box $(3'' \times 0.128'')$; or 8. Stud to stud (not at braced wall panels) $3'' \times 0.131''$ nails; or 16" o.c. face nail 3-3" 14 gage staples, ⁷/₁₆" crown 6d common $(3^1/_2" \times 0.162")$; or 16" o.c. face nail 16d box $(3^1/_2" \times 0.135")$; or 12" o.c. face nail 9. Stud to stud and abutting studs at intersecting wall corners (at braced wall panels) $3'' \times 0.131''$ nails; or 12" o.c. face nail 3-3" 14 gage staples, ⁷/₁₆" crown 16d common $(3^{1}/_{2}'' \times 0.162'')$; or 16" o.c. each edge, face nail 0. Built-up header (2" to 2" header) $16d \text{ box } (3^1/2'' \times 0.135'')$ 12" o.c. each edge, face nail 4-8d common $(2^1/_2" \times 0.131")$; or 11. Continuous header to stud Toenail $4-10d \text{ box } (3'' \times 0.128'')$ 16d common $(3^1/_2" \times 0.162")$; or 16" o.c. face nail 10d box $(3'' \times 0.128'')$; or 2. Top plate to top plate $3'' \times 0.131''$ nails; or 12" o.c. face nail 3" 14 gage staples, ⁷/₁₆" crown 8-16d common $(3^{1}/_{2}" \times 0.162")$; or Each side of end joint, face nail 12-10d box $(3'' \times 0.128'')$; or 13. Top plate to top plate, at end joints (minimum 24" lap splice length $12-3'' \times 0.131''$ nails; or each side of end joint) 12-3" 14 gage staples, ⁷/₁₆" crown 6d common $(3^{1}/_{2}'' \times 0.162'')$; or 16" o.c. face nail 16d box $(3^{1}/_{2}" \times 0.135")$; or . Bottom plate to joist, rim joist, band joist or block- $3'' \times 0.131''$ nails; or ing (not at braced wall panels) 12" o.c. face nail 3" 14 gage staples, ⁷/₁₆" crown 2-16d common $(3^{1}/_{2}" \times 0.162")$; or 6. Bottom plate to joist, rim joist, band joist or block- $3-16d \text{ box } (3^1/2'' \times 0.135'')$; or 16" o.c. face nail ing at braced wall panels $4-3'' \times 0.131''$ nails; or 4-3" 14 gage staples, ⁷/₁₆" crown 4-8d common $(2^{1}/_{2}" \times 0.131")$; or 4-10d box $(3'' \times 0.128'')$; or $4-3'' \times 0.131''$ nails; or 4-3" 14 gage staples, ⁷/₁₆" crown; or Stud to top or bottom plate 2-16d common $(3^{1}/_{2}" \times 0.162")$; or $3-10d \text{ box } (3'' \times 0.128''); \text{ or }$ $3-3'' \times 0.131''$ nails; or 3-3" 14 gage staples, ⁷/₁₆" crown 2-16d common $(3^{1}/_{2}" \times 0.162")$; or $3-10d \text{ box } (3'' \times 0.128''); \text{ or }$

 $3-3'' \times 0.131''$ nails; or

 $3-3'' \times 0.131''$ nails; or

(continued)

3-3" 14 gage staples, ⁷/₁₆" crown

 $3-10d \text{ box } (3'' \times 0.128''); \text{ or }$

3-3'' 14 gage staples, $\frac{7}{16}''$ crown

2-16d common $(3^{1}/_{2}'' \times 0.162'')$; or

TABLE 2304.10.1-continued **FASTENING SCHEDULE** NUMBER AND TYPE OF FASTENER SPACING AND LOCATION 2-8d common $(2^{1}/_{2}'' \times 0.131'')$; or 2-10d box $(3'' \times 0.128'')$; or $2-3'' \times 0.131''$ nails; or 2-3" 14 gage staples, ⁷/₁₆" crown 2-8d common $(2^{1}/3'' \times 0.131'')$; or 20. $1'' \times 6''$ sheathing to each bearing Face nail $2-10d box (3" \times 0.128")$ 3-8d common $(2^1/_2" \times 0.131")$; or Face nail $3-10d \text{ box } (3'' \times 0.128'')$ 3-8d common $(2^{1}/_{2}'' \times 0.131'')$; or floor $3-10d \text{ box } (3'' \times 0.128''); \text{ or }$ $3-3'' \times 0.131''$ nails; or |3-3" 14 gage staples, 7/16" crown 8d common $(2^1/_2'' \times 0.131'')$; or 23. Rim joist, band joist, or blocking to top plate, sill or $10d \text{ box } (3'' \times 0.128'')$; or 6" o.c., toenail other framing below $3'' \times 0.131''$ nails; or 3" 14 gage staples, ⁷/₁₆" crown 2-8d common $(2^{1}/_{2}'' \times 0.131'')$; or 24. $1'' \times 6''$ subfloor or less to each joist Face nail $2-10d box (3" \times 0.128")$ 2-16d common $(3^1/_2'' \times 0.162'')$ 25. 2" subfloor to joist or girder Face nail 26. 2" planks (plank & beam – floor & roof) 2-16d common $(3^{1}/_{2}" \times 0.162")$ Each bearing, face nail 32" o.c., face nail at top and bot 20d common $(4'' \times 0.192'')$ om staggered on opposite sides 10d box $(3'' \times 0.128'')$; or 24" o.c. face nail at top and bot- $3'' \times 0.131''$ nails; or tom staggered on opposite sides 3" 14 gage staples, ⁷/₁₆" crown 7. Built-up girders and beams, 2" lumber layers 2-20d common $(4'' \times 0.192'')$; or $3-10d \text{ box } (3'' \times 0.128''); \text{ or }$ Ends and at each splice, face nail $3-3'' \times 0.131''$ nails; or 3-3" 14 gage staples, ⁷/₁₆" crown 3-16d common $(3^1/_2" \times 0.162")$; or $4-10d \text{ box } (3'' \times 0.128''); \text{ or }$ 28. Ledger strip supporting joists or rafters Each joist or rafter, face nail $4-3'' \times 0.131''$ nails; or 4-3" 14 gage staples, ⁷/₁₆" crown 3-16d common $(3^1/_2'' \times 0.162'')$; or $4-10d \text{ box } (3'' \times 0.128''); \text{ or }$ 29. Joist to band joist or rim joist $4-3'' \times 0.131''$ nails; or 4-3" 14 gage staples, ⁷/₁₆" crown 2-8d common $(2^{1}/_{2}'' \times 0.131'')$; or 2-10d box $(3'' \times 0.128'')$; or 30. Bridging or blocking to joist, rafter or truss Each end, toenail $2-3'' \times 0.131''$ nails; or 2-3" 14 gage staples, ⁷/₁₆" crown

TABLE 2304.10.1—continued FASTENING SCHEDULE DESCRIPTION OF BUILDING ELEMENTS

NUMBER AND TYPE OF FASTENER SPACING AND LOCATION Wood structural panels (WSP), subfloor, roof and interior wall sheathing to framing and particleboard wall sheathing to framing^a Intermediate supports (inches) 4d casing $(1^{1}/_{2}'' \times 0.080'')$; or 12 4d finish $(1^{1}/_{2}'' \times 0.072'')$ 6d casing $(2'' \times 0.099'')$; or 6d finish (Panel supports at 24 inches)

a. Nails spaced at 6 inches at intermediate supports where spans are 48 inches or more. For nailing of wood structural panel and particleboard diaphragms and shear walls, refer to Section 2305. Nails for wall sheathing are permitted to be common, box or casing. b. Spacing shall be 6 inches on center on the edges and 12 inches on center at intermediate supports for nonstructural applications. Panel supports at 16 inches (20 inches if strength axis in the long direction of the panel, unless otherwise marked).

c. Where a rafter is fastened to an adjacent parallel ceiling joist in accordance with this schedule and the ceiling joist is fastened to the top plate in accordance with this schedule, the number of toenails in the rafter shall be permitted to be reduced by one nail.

24" o.c. face nail 19. 1" brace to each stud and plate

21. $1'' \times 8''$ and wider sheathing to each bearing 22. Joist to sill, top plate, or girder

(continued)

Design Properties

General Assumptions for Non-Treated Parallam® PSL

No camber.

accordance with code.

Lateral support required at bearing and at 24" on-center

Bearing lengths are based on Parallam® PSL's bearing stress of 750 psi.

• Tables on pages 4-7 include load reductions applied in

• 13/4" x 16" and 13/4" x 18" beams require multiple plies. See page 17 for multiple member beam connections.

> Non-treated Parallam® PSL is intended for dry-use applications

ICC # ESR -1387

LARR # 25202

2.0E Parallam® PSL Headers and Beams Allowable Design Stresses

Shear modulus of elasticity G = 125,000 psi Modulus of elasticity $E = 2.0 \times 10^6 \text{ psi}$ Flexural stress $F_b = 2,900 \text{ psi}^{(1)}$ Tension stress $F_t = 2,025^{(2)} \text{ psi}$

Horizontal shear parallel to grain $F_v = 290 \text{ psi}$ (1) For 12" depth. For others, multiply by $\left[\frac{12}{d}\right]^{0.111}$

(3) $F_{c\perp}$ shall not be increased for duration of load.

13/4" 2.0E Parallam® PSL

Design Property	Depth							
	91/4"	91/2"	111/4"	117/8"	14"	16"	18"	
Moment (ft-lbs)	9,535	10,025	13,800	15,280	20,855	26,840	33,530	
Shear (lbs)	4,805	4,935	5,845	6,170	7,275	8,315	9,350	
Moment of Inertia (in.4)	175	192	319	375	615	917	1,305	
Weight (plf)	7.8	8.0	9.5	10.0	11.8	13.4	15.1	

	9.0		10 Arres (1946) 17 Arres (1946)	Depth	914 (3.4)		
Design Property	91/4"	91/2"	111/4"	117/8"	14"	16"	18"
Moment (ft-lbs)	12,415	13,055	17,970	19,900	27,160	34,955	43,665
Shear (lbs)	6,260	6,430	7,615	8,035	9,475	10,825	12,180
Aoment of Inertia (in.4)	231	250	415	488	800	1,195	1,701
Weight (plf)	10.1	10.4	12.3	13.0	15.3	17.5	19.7

51/4" 2.0E Parallam® PSL

Design Property		Cathacas		Depth		Province in the	100
	91/4"	91/2"	111/4"	117/8"	14"	16"	18"
Mament (ft-lbs)	18,625	19,585	26,955	29,855	40,740	52,430	65,495
Shear (lbs)	9,390	9,645	11,420	12,055	14,210	16,240	18,270
Moment of Inertia (in.4)	346	375	623	733	1,201	1,792	2,552
Weight (plf)	15.2	15.6	18.5	19.5	23.0	26.3	29.5

2 . 2	Landa de la companya			Depth				
Design Property	91/4"	91/2"	111/4"	117/8"	14"	16"	18"	
Moment (ft-lbs)	24,830	26,115	35,940	39,805	54,325	69,905	87,325	
Shear (lbs)	12,520	12,855	15,225	16,070	18,945	21,655	24,360	
Moment of Inertia (in.4)	462	500	831	977	1,601	2,389	3,402	
Weight (plf)	20.2	20.8	24.6	26.0	30.6	35.0	39.4	

(100% Load Duration)

Compression perpendicular to grain $F_{c\perp} = 750 \text{ psi}^{(3)}$ Compression parallel to grain $F_{cll} = 2,900 \text{ psi}$

(2) F_t has been reduced to reflect the volume effects of length, width and thickness for a range of common application conditions.

Allowable Design Properties (100% Load Duration)

	Depth							
Design Property	91/4"	91/z"	111/4"	117/8"	14"			
Moment (ft-lbs)	6,210	6,530	8,985	9,950	13,580			
Shear (lbs)	3,130	3,215	3,805	4,020	4,735			
Aoment of Inertia (in.4)	115	125	208	244	400			
Weight (plf)	5.1	5.2	6.2	6.5	7.7			

211/16" 2.0E Parallam® PSL

Moment (ft-lbs)	9,535	10,025	13,800	15,280	20,855	26,840	33,530
Shear (lbs)	4,805	4,935	5,845	6,170	7,275	8,315	9,350
Moment of Inertia (in.4)	175	192	319	375	615	917	1,305
Weight (plf)	7.8	8.0	9.5	10.0	11.8	13.4	15.1
						*	
31/2" 2.0E Par	allam	® PS	L				

PCIBIT. (OPCIO)	91/4"	91/2"	111/4"	117/8"	14"	16"	18"
Moment (ft-lbs)	12,415	13,055	17,970	19,900	27,160	34,955	43,66
Shear (lbs)	6,260	6,430	7,615	8,035	9,475	10,825	12,180
Moment of Inertia (in.4)	231	250	415	488	800	1,195	1,701
Weight (plf)	10.1	10.4	12.3	13.0	15.3	17.5	19.7

7" 2.0E Paral	lam®	PSL								
	d a sales	Depth								
Design Property	91/4"	91/2"	111/4"	117/8"	14"	16"	18"			
Moment (ft-lbs)	24,830	26,115	35,940	39,805	54,325	69,905	87,325			
Shear (Ibs)	12,520	12,855	15,225	16,070	18,945	21,655	24,360			
Moment of Inertia (in.4	462	500	831	977	1,601	2,389	3,402			

BARBOSA DESIGN, LLC

1619 BRYCEDALE AVE DUARTE, CA 91010 MARISOL X. BARBOSA (323) 717 - 3736

SCOPE OF WORK:

PROPOSED 560 SQ. FT. ADU OVER EXISTING GARAGE WITH 277 SQ. FT. STORAGE

ARDITO RESIDENCE 4121 CHARLES AVE CULVER CITY, CA 90232

REVISIONS:

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DATE: APRIL 2015

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DESIGNED BY: MXB

SCALE: SEE PLAN

JOB NUMBER: 16 - 2050

