

SITE PLAN

SCOPE OF WORK

A first Floor addition and remodel to an existing two-story,

single-family dwelling to consist of: 1. Addition to the ½ Bathroom within the existing Entry Porch 2. A complete Kitchen remodel and extension within the existing

3. An extension of the Laundry Room within the existing Garage.

4. Minor interior remodel to the transition from the Kitchen to the Dining Room and Foyer to the Living Room.

throughout the First Floor.

6. Rebuild rear deck area and incorporate a built-in BBQ and open



VICINITY MAP

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FRI ENERGY CONSULTANTS

TITLE 24 CONSULTANT 21 N. HARRISON AVENUE CAMPBELL, CA 95008 (408) 866-1620 FAX: (408) 866-6832 EMAIL: title24@ix.netcom.com

CPL CONSULTING ENGINEERS PROFESSIONAL ENGINEER 1561 HACK AVENUE CAMPBELL, CA 95008

(408) 394-1461 EMAIL: clavond@sbcglobal.net

A.P.N	V.	213-03-030	
ZON		R1 Single Family	
OCC	UPANCY	R-0	
BUIL	DING TYPE	VB	
Fire s	sprinklers	No	
A.	PARCEL SIZE	Approx. 6,278	
B.	EXISTING ATTACHED GARAGE	44	
C.	EXISTING PORCHES, Entry & Rear	143	
D.	EXISTING LIVING AREA, 1st FLR.	1,262	
E.	EXISTING LIVING AREA, 2nd FLR.	1,12	
F.	TOTAL EXISTING LIVING AREA	2,39	
	EXISTING F.A.R.	45% @ 2,831	
G.	TOTAL PROPOSED NEW LIVING AREA	120	
Н.	TOTAL PROPOSED LIVING AREA	2,519	
I.	ADJUSTED GARAGE AREA	422	

WASTE MANAGEMENT

A MINIMUM OF 75% OF THE NON-HAZARDOUS CONSTRUCTION & DEMOLITION WASTEGENERATED AT THE SITE SHALL BE DIVERTED TO AN OFFSITE RECYCLE DIVERSION, OR SALVAGE FACILITY PER CGC 4.408

DRAWING INDEX SITE PLAN, NOTES, DATA CG1 CALGREEN MANDATORY MEASURES CHECKLIST "AS BUILT" FIRST FLOOR PLAN A3 "AS BUILT" SECOND FLOOR PLAN PROPOSED FIRST FLOOR PLAN, NOTES, WALL LEGEND PROPOSED EXTERIOR ELEVATIONS EXISTING EXTERIOR ELEVATIONS, STREETSCAPE

COMMON ABBREVIATIONS

Ground Fault Interrupter

Lavatory

Minimana

On Center

Quantity Refrigerator

Relocate Required Similar

Square Feet

Top Of Slab

Typical

Washer

18=1-0

Top Plate Line

Water Closet

Water Heater Weather Proof

Weather Strip Wood

Tempered
To Be Determined

Unless Otherwise Noted

Symbol

Laundry Tub

Not To Scale

Pole and Shelf

Return Air Grille

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**ELEVATIONS** 

ENTRY PORCH

**BUILDING COVERAGE, (D+G+I+K)** 

ALLOWABLE FLOOR AREA RATIO

PROPOSED FLOOR AREA RATIO, (H+K)

VIATION	DESCRIPTION	1.	All new construction work; Architectural, Mechanical, Electrical, Fire
	Center Line		protection, Etc., shall conform to the 2016 C.R.C., and any other local
121	Cabinet	STATE OF THE PERSON OF THE PER	codes.
1	Cantilever	2.	Field verify all dimensions and conditions prior to commencing work.
	Dryer	Climan	Report any descrepencies Hayes & Associates immediately before
	Down Spout	9	proceeding with work.
	Dish Washer	3.	All dimensions are taken from face of stud to face of stud, (F.O.S.), unless
	Existing	1	otherwise moted on plans.
i e	Equal	4.	Written dimensions shall take precedence over scaled dimensions. Do not
,	Forced Air Unit	17.	scale drawings.
(	Finish	-	•
	Finish Floor	5.	All sleeping rooms must meet the emergency egress requirements in
	Fluorescent		Chapter 2, Section 202 and Chapter 3, Section 310.1 – 310.4, 2016 C.R.C.

a. Maximum window net clear opening height of 44" from b. Minimum net clear opening width of 20", minimum net clear opening height of 24", and a minimum net area of 5.7

Sleeping rooms must conform to Section 310.1-310.4, 2016 C.R.C.

sqare feet for total opening. All tub and shower enclosures and plastic materials shall be an approved shatterproof material. Section R308, 2016 C.R.C. Staircase design shall comply with Chapter 3, Section R311.7, 2016 C.R.C.

Attic ventilation shall not be less than 1/150 of the total area of the attic or per Chapter 8, Section 806 of the 2016 C.R.C. Installation of roofing material shall comply with Chapter 9, Section R905,

All exterior wall coverings shall conform to Chapter 7, Section R703 of the 2016 C.R.C.

Building paper is required behind all sheetrock at all water splash areas. Metal flashing shall comply with Chapter 7, Sections R703.4, R703.8 and Chapter 9, Section R903.2, R905 of the 2016 C.R.C.

Provide insulation blocks at all eave vents. Glass shall comply with Section R308 of the 2016 C.R.C. Federal Glazing Regulations.

Hayes & Associates are not responsible for deviation from the plans during construction by the owner or his/her contractor, or any other individual. APPLICABLE CODES:

THE 2016 CALIFORNIA RESIDENTIAL CODE, 2016 CALIFORNIA BUILDING CODE, 2016 CA FIRE CODE, 2016 CA MECHANICAL CODE, 2016 CA PLUMBING CODE, 2016 CA ELECTRICAL CODE, 2016 FIRE CODE, TITLE 24, PART 6 CALIFORNIA ENERGY CODE (2016 ED.), 2016 "CAL GREEN" BUILDING STANDARDS.

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**CREATIVE CUSTOM** RESIDENTIAL DESIGN SOLUTIONS

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These drawings are the exclusiv

39 s. f.

29% @ 1,852 s.

47% @ 2,941 s.

45% @ 2,825 s. f

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CHECKED DATE 2.19.20 SCALE AS NOTED JOB NO. SHEET

CALGREEN RESIDENTIAL MANDATORY CHECKLIST

THESE REQUIREMENTS APPLY TO BUILDING PERMITS SUBMITTED ON OR AFTER JANUARY 1, 2020
Sunnyvale

Following is a standardized checklist of the 2019 California Green Building Standards Code (CalGreen) requirements that may be used to demonstrate compliance with the CalGreen Mandatory Measures (Chapter 4). This checklist is required for all new buildings and additions/alterations that increase the building's conditioned area. The requirements shall apply only to and/or within the specific area of the

CALGreen Reference	Description	Designer's Comments with Plan Sheet Reference	City Field Inspection Verification
4.1 Planning and Design	4.106.2 Storm Water Drainage and Retention during construction. A plan is developed and implemented to manage storm water drainage during construction.	Sheet:	Initials and Date:
4.1 Planning and Design	4.106.3 <b>Grading and paving.</b> Construction plans shall indicate how the site grading or drainage system will manage all surface water flows to keep water from entering buildings	Sheet:	Initials and Date:
4.1 Planning and Design	4.106.4.1 New one- and two-family dwellings and townhouses with attached private garages shall install a listed raceway to accommodate a dedicated 208.240-volt branch circuit	Sheet:	Initials and Date:
4.1 Planning and Design	4.106.4.2 <b>New multifamily dwellings.</b> If residential parking is available, ten (10) percent of the total number of parking spaces on a building site, provided for all types of parking facilities, shall be electric vehicle charging spaces capable of supporting future EVSE.	Sheet:	Initials and Date:
4.1 Planning and Design	4.106.4.3 <b>New hotels and motels.</b> All newly constructed hotels and motels shall provide EV spaces capable of supporting future installation of EVSE.	Sheet:	Initials and Date:
4.2 Energy Efficiency	4.201.1 <b>Scope</b> Compliance with the California Energy Commission mandatory standards.	Sheet:	Initials and Date:

and	4.303.1.1 Water Closets. Effective flush volume of all water closets shall not exceed 1.28 gallons per flush.	Sheet:	Initials and Date:
4.3 Water Efficiency and Conservation		XA	
4.3 Water Efficiency and Conservation	4.303.1.2 <b>Urinals</b> . The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush.	Sheet:	Initials and Date:
4.3 Water Efficiency and Conservation	4.303.1.3 <b>Showerheads.</b> Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. When a shower is served by more than one showerhead, the combined flow rate of all shower heads shall not exceed 1.8 gallons per minute at 80 psi.	Sheet:	Initials and Date:
4.3 Water Efficiency and Conservation	4.303.1.4 Faucets. Residential lavatory faucets shall not exceed 1.2 gpm at 60 psi. Lavatory faucets in common and public use areas in residential buildings shall not exceed 0.5 gpm at 60 psi. Metering faucets installed in residential buildings shall not deliver more than 0.2 gallons per cycle. Kitchen faucets shall not exceed 1.8 gpm at 60 psi.	Sheet:	Initials and Date:
4.3 Water Efficiency and Conservation	4.303.2 Standards for plumbing fixtures and fittings. Plumbing fixtures and fittings shall be installed per the California Plumbing Code.	Sheet:	Initials and Date:
4.3 Water Efficiency and Conservation	4.304.1 Outdoor potable water use in landscape areas. Residential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO).	Sheet:	Initials and Date:
4.3 Water Efficiency and Conservation	4.305.1 Recycled water supply systems. Newly constructed residential developments, where recycled water is available from a municipal source may be required to have recycled water supply systems installed.	Sheet:	Initials and Date:
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4.4 Material Conservation and Resource Efficiency	4.406.1 Rodent Proofing. Annular spaces around pipes, electric cables, conduits or other openings in sole/bottom plates at exterior walls shall be protected against the passage of rodents.	Sheet:	Initials and Date:
4.4 Material Conservation and Resource Efficiency	4.408.1 Construction waste management. Recycle and/or salvage for reuse a minimum of 65% of the nonhazardous construction and demolition waste.	Sheet:	Initials and Date:
4.4 Material Conservation and Resource Efficiency	4.408.2 Construction waste management plan. Submit a construction waste management plan.	Sheet:	Initials and Date:
4.4 Material Conservation and Resource Efficiency	4.410.1 Operation and maintenance manual. An operation and maintenance manual shall be provided to the building occupant or owner.	Sheet:	Initials and Date:
4.4 Material Conservation and Resource Efficiency	4.410.2 Recycling by occupants. Where 5 or more multifamily dwelling units are constructed on a building site, readily accessible areas shall be identified for the collection of recycling.	Sheet:	Initials and Date:
4.5 Environmental Quality	4.503.1 Fireplaces. Any installed gas fireplace shall be a direct-vent sealed-combustion type.	Sheet:	Initials and Date:

One-Stop Permit Center at City Hall, 456 W. Olive Ave., 408-730-7444

Building and Planning Division representatives are available 8 a.m. - 12:30 p.m. and 1 p.m. - 5 p.m.

Sunnyvale.ca.gov - Search "Planning and Building"

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4.503.3 Moisture content of building materials. Moisture | Sheet: Initials and content of building materials used in wall and floor framing is checked before enclosure. 4.504.1 Covering of duct openings and protection of Initials and mechanical equipment during construction. Duct openings Date: and other related air distribution component openings shall be covered during construction. 4.504.2 Finish material pollutant control. Initials and Adhesives, sealants and caulks. Adhesives, sealants and caulks shall be compliant with VOC and other toxic compound limits. Paints and coatings. Paints, stains and other coatings shall be compliant with voelimits. Aerosol paints and coatings. Aerosol paints and coatings shall be compliant with product weighted MIR limits for ROC and other toxic compounds. Verification. Documentation shall be provided to verify that compliant voe limit finish materials have been used. 4.504.3 Carpet systems. All carpet installed in the Initials and building interior shall meet the testing and product Date: requirements of one of the following: 1. Carpet and Rug Institute's Green Label Plus Program. 2.California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.1, February 2010 (also known as Specification 01350.) 3. NSFI ANSI 140 at the Gold level. 4. Scientific Certifications Systems Indoor Advantage™ Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute's Green Label program. Carpet adhesive. All carpet adhesive shall meet the requirements of Table 4.504.1.

	4.504.4 Resilient flooring systems. Where resilient flooring	Sheet:	Initials and
4.5 Environmental Quality	is in stalled, at least 80 percent of floor area receiving resilient flooring shall comply with one or more of the following:  1.Products compliant with 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 1.1, February 2010 (also known as Specification 01350), certified as a CHPS Low-Emitting Material in the Collaborative for High Performance Schools (CHPS) High Performance Products Database.  2. Products certified under UL GREENGUARD Gold (formerly the Greenguard Children & Schools program).  3. Certification under the Resilient Floor Covering Institute (RFCI) FloorScore program.  4. Meet 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 1.1, February 201 0 (also known as Specification 01350).	**	Date:
4.5 Environmental Quality	4.504.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the building shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure for Composite Wood (17 CCR 93J20 et seq.), by or before the dates specified in those section s, as shown in Table 4.504.5.	Sheet:	Initials and Date:
4.5 Environmental Quality	4.505.2 <b>Concrete slab foundations.</b> Vapor retarder and capillary break is installed at slab-on-grade foundations.	Sheet:	Initials and Date:
4.5 Environmental Quality	<ul> <li>4.507.2 Heating and air-conditioning system design.</li> <li>Duct systems are sized, designed, and equipment is selected using the following methods:</li> <li>1. Establish heat loss and heat gain values according to ANSI/ACCA 2 Manual J-2011 or equivalent.</li> <li>2. Size duct systems according to ANSI/ACCA 1</li> </ul>	Sheet:	Initials and Date:

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			Page 3 of 6
- Control of the Cont	Manual D-2014 or equivalent.  3. Select heating and cooling equipment according to ANSI/ACCA 3 Manual 5-2014 or equivalent.		
Chapter 7: Installer and Special Inspector Qualifications	702.1 Installer Training. HVAC system installers are trained and certified in the proper installation of HVAC systems.  702.2 Special Inspection. Special inspectors employed by the enforcing agency must be qualified and able to demonstrate competence in the discipline they are inspecting.  703.1 Documentation. Verification of compliance with this code may include construction documents, plans, specifications builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which show substantial conformance.	Sheet:	Initials and Date:

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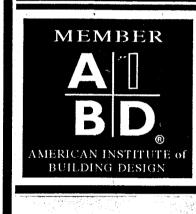
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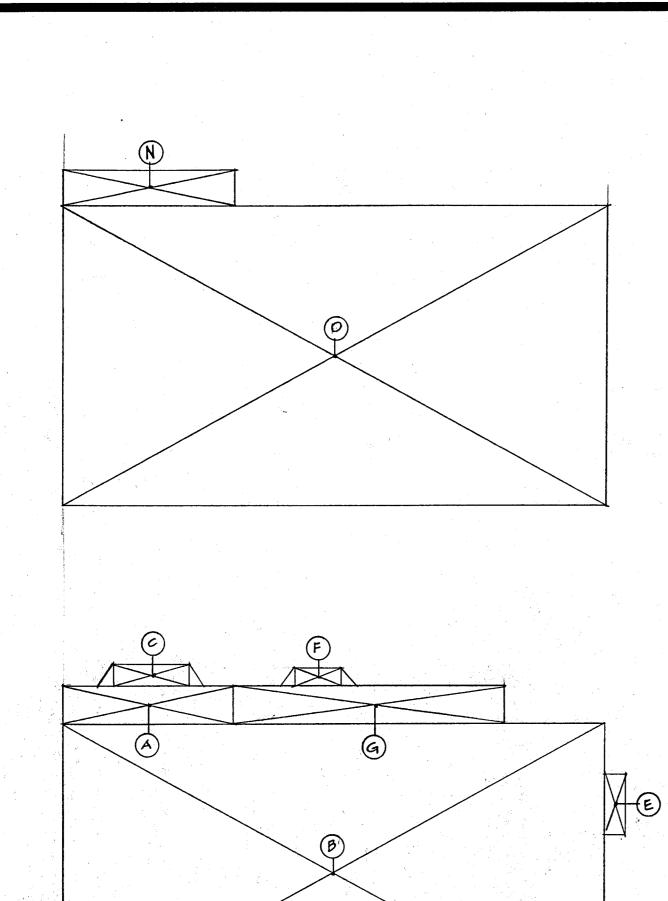


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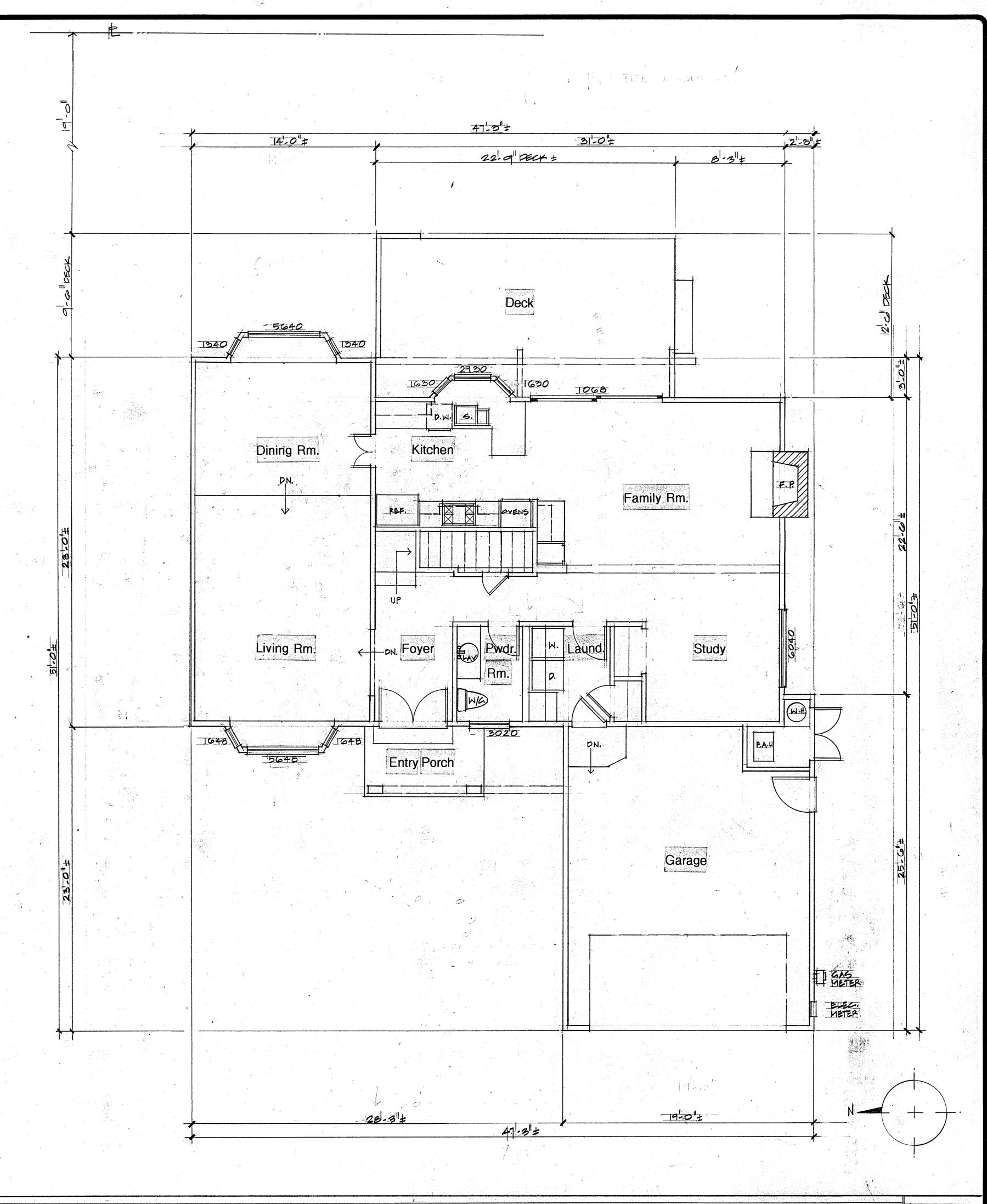
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CG1



FLOO	R AREA TABLE	eraj eraj era	
Lot Area	a: 6,278 sq. ft.		
Section	Remarks	Dimensions in feet	Area, (sq. f (Rounded
Α	Existing Living Area, 1st Flr.	14 x 3	
В	Existing Living Area, 1st Flr.	42.75 x 25	1,1
С	Existing Living Area, 1 <sup>st</sup> Flr. Bay wdw.	$6 \times 2 + 3$	
D	Existing Living Area, 1st Flr. Bay wdw.	6 x 2 + 3	
Е	Existing Living Area, 1st Flr. Chimney	1.75 x 5	
Ø≰ F∵	New Living Area, 1st Flr. Bay wdw.	3.5 x 1.75 + 3	
L G	New Living Area, 1 <sup>st</sup> Flr.	22.66 x 3	***
<u> 181</u>	Under existing roof.	Charles Sales Sales	
A H	New Living Area, 1st Fir.	7.33 x 4.5	
	Within existing Entry Porch.	10 mg	
ii, I	New Living Area, 1st Fir.	5 x 3.75	
1	Within existing Garage.	100	
F2.	Total Proposed New Living Area	T	1
<u>J</u>	Existing Garage	2.25 x 2.5	
K	Existing Garage	14 x 3.75	
<u> </u>	Existing Garage	19 x 19.25	3
M	Entry Porch	$7.5 \times 5 + 1$	
. N	Existing Living Area, 2 <sup>nd</sup> Flr.	14 x 3	
0 -	Existing Living Area, 2 <sup>nd</sup> Flr.	45 x 25 - 39	1,0

F.A.R. DIAGRAM & TABLE



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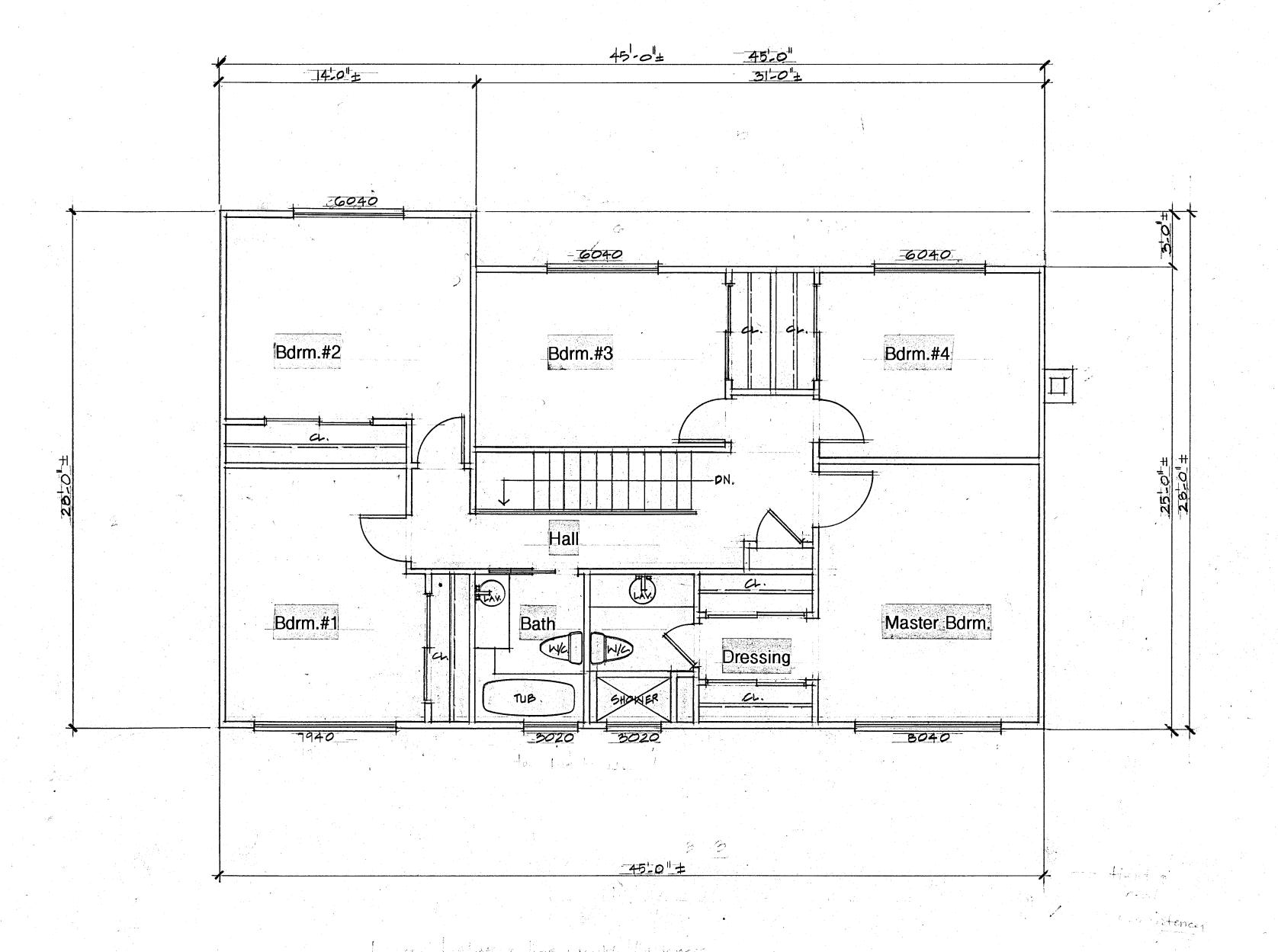
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"AS BUILT" FLOOR PLAN



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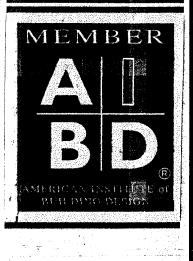
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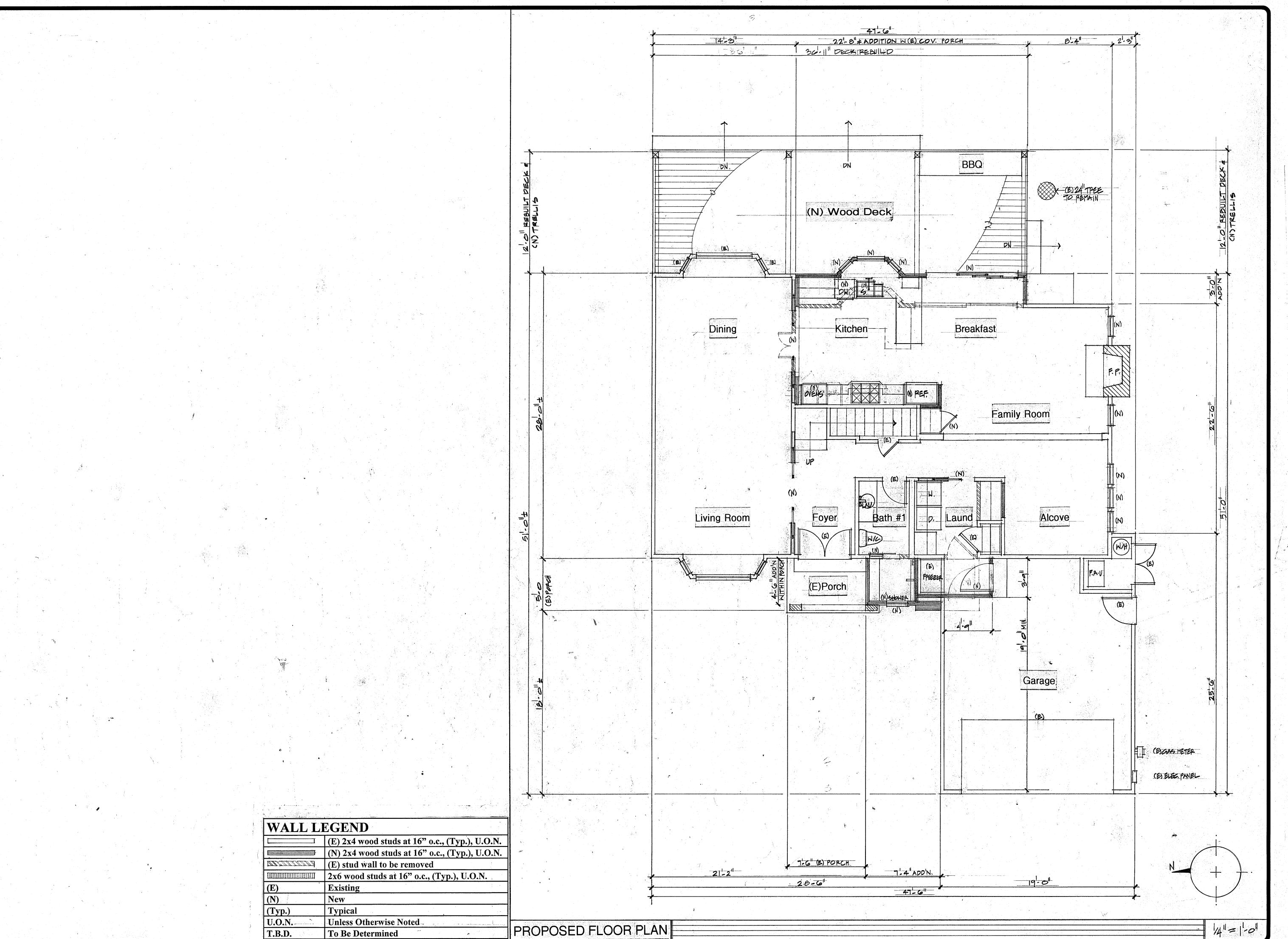
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ATTACHMENT 5 Page 5 of 7

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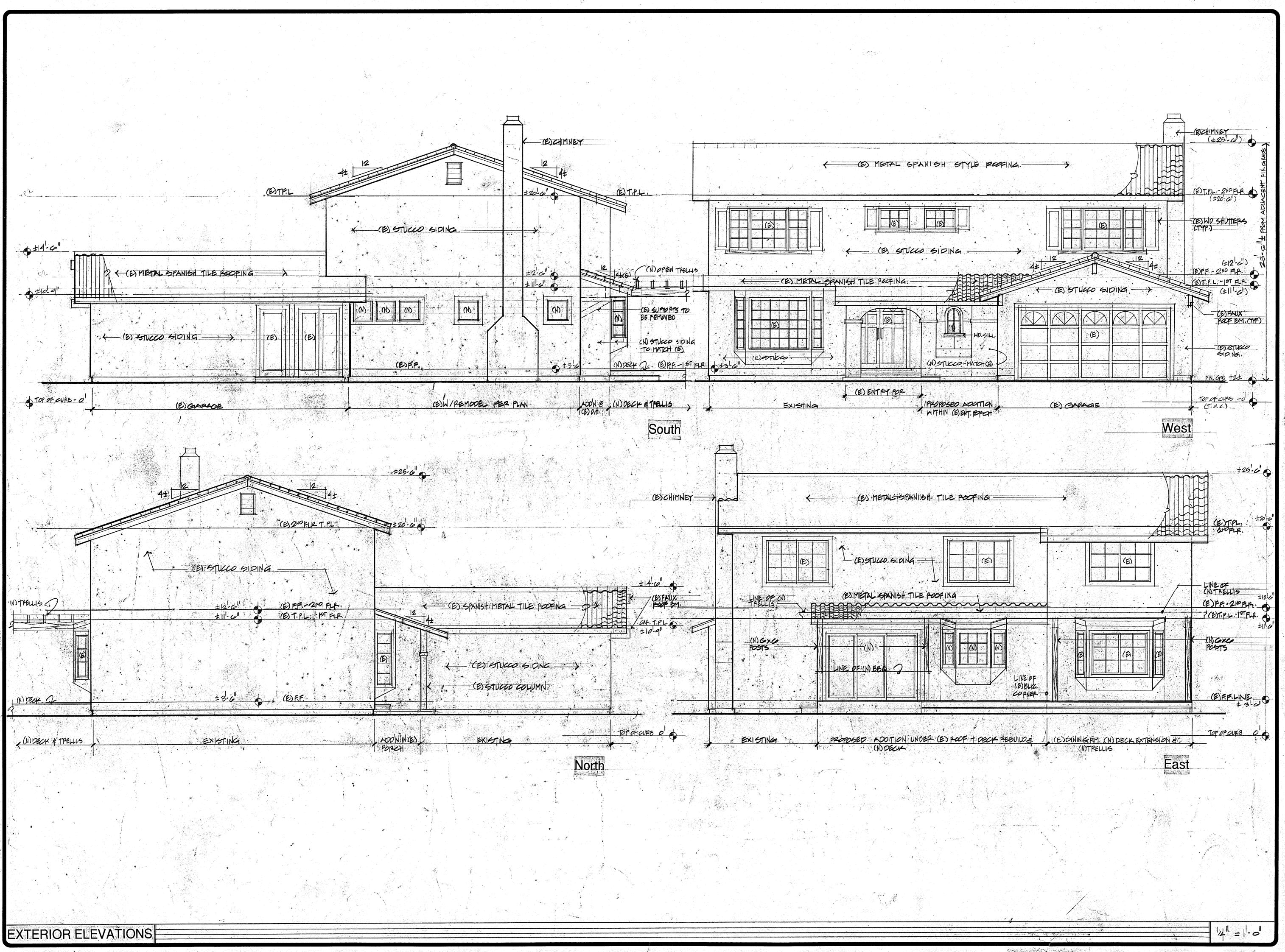
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