GENERAL NOTES

LIFE-SAFETY

stion air for all gas-fired appliances. (CMC Chapter 7)

Vent dryer to outside of building (not to under-floor eres). Vent length shall be 14' mark vent size shall be increased. (CMC 504.3)

Safety glazing shall be required within 24" of a cloor edge or within 36" of a stairway, landing of ramp when the bloom edge/of the glazing is less than 50" from the focor or weithing surface. Safety glazing is required in all flood end operable penses to satinging, sliding and bi-fold doors

Fire blooking shall be provided in concealed spaces of stud we's and partitions, including furned spaces, and partition tows of stude or staggered studs; verifically at fixor and calling levels, horizontally at intervale not to ease at 10°C. Openings around gas verte, duts, chinneys and traplaces at ceiting and floor levels shall have fire blocking per CBO 717.1 & CBC 302.11.

Provide minimum 22° x 30° access opening to attic. In attics in which an appliance is installed, an opening and passageway at least as large as the largest component of the appliance shall be required. (CMG 604.11)

Floor and cutting assemblies shall be draft etopped so that the area of concealed space does not exceed 1000 SF. The draft stops shall divide the concealed space into approximately equal spaces per GBC 716.2 & CRC 902.12.

LIGHT & VENTILATION

Provide ventilation for products of combustion to outside air. (CMC 801.1)

Attic vertilization: 1/150 of attic area. If a Clases I or II vepor barrier is applied to warm-in winter alble of ceiling, or, if 50% - 50% of the vernis are at least 5 above the severe and the remainting vents are in the severe than the table may be reduced to 1/500. Enclosed rather spaces shall have once

Under-floor space shall have a ventilation opening erea of 1/150 square feet of under-floor area. If a Class I vapor returder is used the ratio may be reduced to 1/1500. One opening shall be placed within 3 feet of each building comer. Openings shall be overred with a covering having openings on consider them 165

Air infiltration, Insulation, space heating, space cooling, water heating...etc. shall meet CA Energy

HERS certification testing is required for indoor Air Quality

DOORS, STAIRWAYS AND LANDINGS

Stairways shall comply with CBC 1009 & CRC RS11.7

Required egrees door shall be side hinged and have a minimum net clear width of 32" and a minimum helphit of 76".

e shall be a tanting at each side of all doors. The landing shall be at least as wide as the served and 35 min length measured in the direction of travel. There may one step down of one than 7.75° provided the door does not swing over the landing.

Stainway rise shall be 4° mist and 7.75° max. Run shall be 10° min. Headroom shall be 80° min. Width shall be 36° min. Handraiks shall be 34° to 38° above tread noting with openings less than

Enclosed useable space under interior states shall be finished with 1/2" gypsum board.

Fire blocking is required in concealed spaces between stair stringers at the top and bottom of the

There shall be a floor or lending at the top and bottom of each stainway. Width and length of landings shall be not less than the width of the stainway and shall be at least 30° in the direction travel. A floor or lending is not required at the top of an interior light of stairs, including stairs in an enclosed garage, provided a cloor does not swing over the stairs.

Quardratis shall comply with CBC 1013.4 & CRC R 312. Quards shall be located along open global walking surfaces, including stains, ramps, landings, and decks, that are more than between the force or grade. Regulard quarde shall be not less than 45° above the scan and surface. Except that headratis may be considered as guards at statemyse, Openings in guards shall not conced 4°. Handratis shall comply with GBC 1012 & CRC R 311.7

Clazing used in doors, sidelights and panels of the shower enclosure shall be fully tempered, laminated safety glass or approved plastic. Per CRC R308.3 & R308.4.1.

WEATHER & CORROSION DAMAGE PREVENTION MEASURES

- Wood joints and girders closer than 18" or 12" respectively, to the exposed
- Wood framing members that rest on concrete or masonry and are less than 8° from the exposed ground.
- Sitis and sleepers on a concrete or mesonry also that is in direct contact with the
- Wood siding, shealthing and wall framing on the exterior of the building having a clearance of less than 6" from the ground or less than 2" from a horizontal

Common wall between garage and dwelling shall have 56° gypeum board applied on the garage side. Garage calling with habitable space above shall have 56° type 'X' gypeum board applied to

No openings may be provided between a garage and a sleeping room. Other openings shall be equipped with solid wood or steel doors 1-3.6° in fillularises and shall be self-closing and self-latching, 20 min. labeled assembly.

ELECTRICAL

Do not install electrical panels larger than 16 square trocks in rated tire walts. Never install electrical panels in closet. Maintain a clearance of 36" in front of the panels. (CEC 110.26)

Provide a minimum of one 20 Amp receptacle in laundry areas. (CEC 210.52(F))

Kitchens and dining areas must have a minimum of two 20 Amp branch circuits (CEC 210.11). (Darbon counter outliets must be installed in every counter space 12" or wider, not greater than 4 or, and within 28" of the end of any counter space. (CEC 210.21).

GFCI outlets are required for all kitchen receptuales that are designed to serve countertop surfaces, in bathroom, in under-floor spaces or below grade level, in extentor outlets, and in all garage outlets not declinate to a single device or appliance, (CEC 210.8) All desilings must he at least one extentor outlet at the front and the beck of the dwelling. (CEC 210.52(E))

Receptaclee must be installed at 12° o.c. maximum in wells. Walls (onger than 2 feet and halls (onger than 10° must have a receptacle. A receptacle must be provided within 3° of bathroom einics. (CEC 21.0.25.) Specing of litterian and ching room countertop receptacles shall meet minimum requirements of CEC 21.0.25(C), Parts 1-5. Bond all most gap and water place to ground. All ground clamps must be accessible and of an approved type. (CEC 250.104)

Furnance installed in attice and crawl spaces must have an access platform (catwalk in attice), light, light switch, and receptacle in the space. (CMC 904.11)

Smoke detector starms are to be provided with trattery back-up and sudible in all sleeping as and shell be hard-wired and inter-connected per CRC RS14.5. When attentions, repeirs, or additions require a permit emote alarms ental be installed where required in new dwellings.

An approved carbon monocide starm shall be installed in dwellings within which fuel-burning appliances are installed, and in dwellings with an attached garage. Carbon monocide detect atoms on all habitable levels and shall be hard-wired and inter-convened per CRC R315.1

Arc-Fault Circuit-Interrupter (AFCI) protected receptacies shall be installed in all recens not requiring GFCI protection. The maximum length of the branch circuit to the AFCI is 50 feet for 14 AWG conductors or 70 feet for at 2 AWG conductors.

wide exhaust fans in bathrooms vented to outside and sized as follows: > \perp 50 CPM militians, > \perp 20 CPM confuncius, Exhaust fan ratings to be < \perp 1 aons confinuous, < se Internations, Saint fans are to be Envery State compliant and equipped with humble brids for adjustment of relative humbling from 60- to 90%, Caldireen Code 4.506.1

Provide a whole building mechanical exteust system to outdoor air, with a properly labeled accessible off on switch. Covers or lowers are to have min. R 4.2 insulation. Whole House Prestitation Exclusionable on C = 100, and C =

Any new appliances (installed as part of any remodel, addition or new construction) shall be Energy Star appliances per Santa Cruz County Code 4.201.1.2.

Provide a Sated receively to accommodate a declicated 208/240-volt branch circuit for future electric vehicle charging. The raceway shall be not less than the trace size frominal 1-inch inside diemeter). The panel or sub-panel circuit drectory shall identify the overcurrent protective device space(s) reserved for future EV charging as "EV CAPABLE". The moveway termination focution shall be permanently and visibly marked as "EV CAPABLE".

Küchen lighting shall be high efficacy or up to 50% of lighting can be low efficacy. Figh efficacy & low efficacy must be switched separately.

Lighting in bethrooms, garages, laundry, utility rooms to be high efficacy or low efficacy with

Lighting in all other interior rooms like living, dining, bedrooms, etc. (except closets of less their 70 sq. ft.) shall be high afficacy or low efficacy with vacancy sensor switches or dimmers.

Outdoor lighting attached to the building shall be high efficacy or controlled by a motion sensor with photo-control or controlled by an astronomical time clock. Gerage, Laundry Rooms, and Utility Rooms (including storage rooms & crawl space) must be high efficacy and must be controlled by a vacancy sensor per CA Energy Standard 150(k).

PLUMBING

Fuel burning water heater is not allowed in bedroom or bathroom unless direct vent type or complying with CPO 506.1.

it shall be located in a space not less than 30" in width with 24" minimum clearanc

Provide 18" x 24" foundation access within 20' of plumbing cleanout. (CPC 707.9)

Provide anti-alphon valves on all hose bibs. (CPC 603.4.7) Strap water heater at points within

Copper, galvantzed or plastic piping shall not be installed under building slab. All solder joints to be lead free. Type M copper tubing shall not be used for water piping.

Provide low flow showerhoods and water closets consuming 1.28 gallons per flush or less. (CPC 402.2.2), install chlorine filters on showerhoods, or whole house chlorine filter.

Showers shall be finished with a smooth, hard non-absorbent surface to a height of at least 72 in. above the drain outlet per CBC 1210.3 & CRC R 307.2. Provide outlain rod or approved

Appliances (water heater, F.A.U.) in garagee and in adjacent spaces that open to the garage shall Per CMC 3038.1, CPC 507.19, NFPA 54:9.1.10.1.

REPLACEMENT HOME

MAIER RESIDENCE

APN 027-171-30

100 - 7TH AVE., SANTA CRUZ, CALIFORNIA

GREEN BUILDING NOTES

- Conduct Preconstruction Green Building Conference.
- Provide Construction Waste Management Plan for 65% Recycling Job Site Construction
- Use low or no VOC paint on all exterior, interior walls and ceilings.
- Donate Unused materials
- Protect annular spaces around openings in plates at exterior wall per
- Substitution of solid sawn lumber with engineered lumber for Structural Beams and Hearlers furfuding non-structural Hearlers is acceptable. Acquire final appl Architect & Structural Engineer where applicable
- Substitution of Phywood with OSB for sheathing is acceptable. Acquire final approval by Architect & Structural Engineer where applicable.
- Install Energy Star rated Appliances.
- insulate all hot water pipes.
- Install insulation after building is Weather-Tight and outside of the rainy season
- Cover duct openings/ air distribution openings during construction Clean ducts before occupancy. Use Duct Mastic on all duct joints.
- Check moisture content materials for walls & floor before enclosure
- Install Low VOC carnet systems (where applicable).
- 14 Develop Homeowner Manual Including Green Measures & Benefits

PROJECT DESCRIPTION

Proposal to replace an existing single-family dwelling (approximately 1,100 square feet) and to construct a 2-story dwelling (approximately 1,837 square feet) with an affached garage (approximately 224 square feet). Requires a Coastal Development Permit and Variances to increase the Roor Area Ratio from 50% to 80%, to increases the Lot Coverage from 40% to 41.4%, to reduce the street side yard setback (at the alloy) from 10 feet to 6 feet, and to reduce the distance to the garage entrance from 20 feet to 8.28 feet. Thuperty is located on the east side of 7th Avenue (100 – 7th Avenue) approximately 80 feet north of the Intersection with East Cliff

027-171-30

PARCEL INFORMATION

Parcel Size: Existing Land Use - Parcel Existing Land Use - Surrounding Project Access: Planning Area:

Coastal Zone

3,080 square feet Residential Residential and Commercial
7th Avenue between East Cliff and Bonnie Street R-UH (Urban High Residential) R-1-3.5 (Single-family residential, 3,500 Square foot minimum parcel size) Appealable to Cal. Coastal Comm.

ENVIRONMENTAL INFORMATION

Geologic Hazards: Not mapped/ no physical evidence on site Soils Report - REQUIRED Fire Hazard: Not a mapped constraint Stopes: Env. Sen. Habitat: Not mapped/ no physical evidence on site No Grading required Grading: Tree Removal: Not a mapped resource sting drainage adequate

SERVICES INFORMATION

Urban/Rural Services Line Drainage District:

City of Santa Cruz

APPLICABLE CODES

ALL WORK INDICATED ON THE PLANS SHALL COMPLY WITH

2016 CALISORNIA RIGI DING CODE 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE

DEFERRED SUBMITTAL

SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER OF RECORD, WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. THE DEFERRED SUBMITTAL TEMS SHALL NOT BE INSTALLED UNTIL THE DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN PROVED BY THE BUILDING OFFICIAL THE POLLOWING THEMS WHILL BE SUBMITTAL THE BUILDING OFFICIAL THE POLLOWING ITEMS WILL BE SUBMITTED SEPARATELY FOR THIS PROJECT:

- PROVIDE COMPLETE DESIGN CALCUATIONS, DRAWINGS AND SPECIFICATIONS FOR FIRE SPRINKLER SYSTEM
- PROVIDE DESIGN AND DOCUMENTATION FOR A COMPLETE HEATING SYSTEM. PLANS AND SPECIFICATIONS TO INCLUDE APPLIANCE MODELS, SPECIFICATIONS, BTU VALUES, DUCT LAYOUT, MATERIALS AND SIZES, ETC. HEATING ANDORD AIR-CONDITIONING SYSTEMS SHALL BE SIZED, DESIGNED AND HAVE THE EQUIPMENT SELECTED USING THE FOLLOWING METHODS:
 - THE HEAT LOSS AND HEAT GAIN IS ESTABLISHED ACCORDING TO ANS/ACCA 2 MANUAL J-2011, ASHRAE HANDBOOKS OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.
- DUCT SYSTEMS ARE SIZED ACCORDING TO ANSUACCA 1 MANUAL D-2014, ASHRAE HANDBOOKS OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.
- SELECT HEATING AND COOLING EQUIPMENT ACCORDING TO ANSVACCA 3 MANUAL 3-2014 OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.

Fire Protection Notes

ood with a Type 13-D residential fire opinider system. Automatic lire eprinter system et in currently adopted edition of NFPA-13D, and adopted standards of the authority having

d Fire Protection System working drawings must be prepared by the designer / Installer. These plans shall the UNDERGROUND FIRE PROTECTION SYSTEM INSTALLATION POLICY HANDOUT. Address numbers will be posted to the right of the entry door @ eye level. Numbers shall be a minimum of 4 inches in height and of a color contrasting to their bestground. Where numbers are not visible from street, additional numbers is bestelvable as a directional deep at the amendant frameurs and the street.

Any electric cates shall be equipped with the Central Fire District key entry system

Job copies of the building and fire system plans must be on-site during inspections.

As a condition of submittal of these plans, the submitter, designer, and installer certify that there plans and details comply with applicable Specifications, Standards, Godes, and Ordinances, agree that they are solely responsible for compliance with the application Specifications, Standards, Codes, and Ordinances, and intuitive agree to convolve any deficiencia noted by this review, subsequent review, imprecision or other sources, and to hold harmless and without projuidice, the reviewer and the Cartier IP Or distrate Cruz County.

SOILS REPORT
ALL SOILS WORK AND FOUNDATION PLACEMENT SHALL CONFORM TO THE
RECOMMENDATIONS IN THE GEOTECHNICAL INVESTIGATION, FILE NO. 19-70
DATED MAY 29, 2019, BY AMERICAN SOIL TESTING & ENGINEERING

STORMWATER MANAGEMENT & MAINTENANCE AGREEMENT NOTES

OWNER CONSENTS AND AGREES TO INSPECT AND MAINTAIN ANNUALLY 'PRIOR TO THE RAINY SEASON' THE ON-SITE DRAINAGE SYSTEMS AND STORMWATER MANAGEMENT FACILITIES ON THE SUBJECT PROPERTY.



VICINITY MAP

APN

LOT COVERAG

PROJECT DATA

JOETTA & DANIEL MAIER 10161 PHAR LAP DRIVE CUPERTINO, CA 95014 408-836-5828 027-171-30

40% MAX. ALLOW, = 1224 SF

EXISTING HOUSE
GARAGE
COVERED PORCHES
DECKS (> 18" to Grade)
TOTAL

PROPOSED LOWER FLR 1007.5 829.25

BUILDING AREA DECKS 378.5 SF

5 BDRM = 4 SPACES EXISTING PROPOSED
3 BDRM = 2 SPACES 5 BDRM = 4 SPACES

PROJECT CONSULTANTS

200 Seventh Ave., #110 Santa Cruz, CA 95062 STRUCTURAL

George Reynolds, S. E. 111 Younglove Ave. Santa Cruz, CA 95060 831-426-3637 Monterey Energy Group 26465 Carmel Rancho Blvd., #8

SOILS American Soil Testing & Engineerin San Jose, CA 95112 408-559-6400

Carmel, CA 93923

SHEET INDEX

STORMWATER POLICITION PREVENTION PLAN EXISTING - FLOOR PLAN & ELEVATIONS PROPOSED - FLOOR PLANS PROPOSED - EXTERIOR ELEVATIONS ELECTRICAL SCHEMATIC PLANS MECHANICAL SCHEMATIC PLANS ARCHITECTURAL SPECIFICATIONS STRUCTURAL NOTES
FOUNDATION / FLOOR FRAMING PLANS ROOF FRAMING PLAN / FASTENING SCHEDULE

9.16.19 NE

Architect

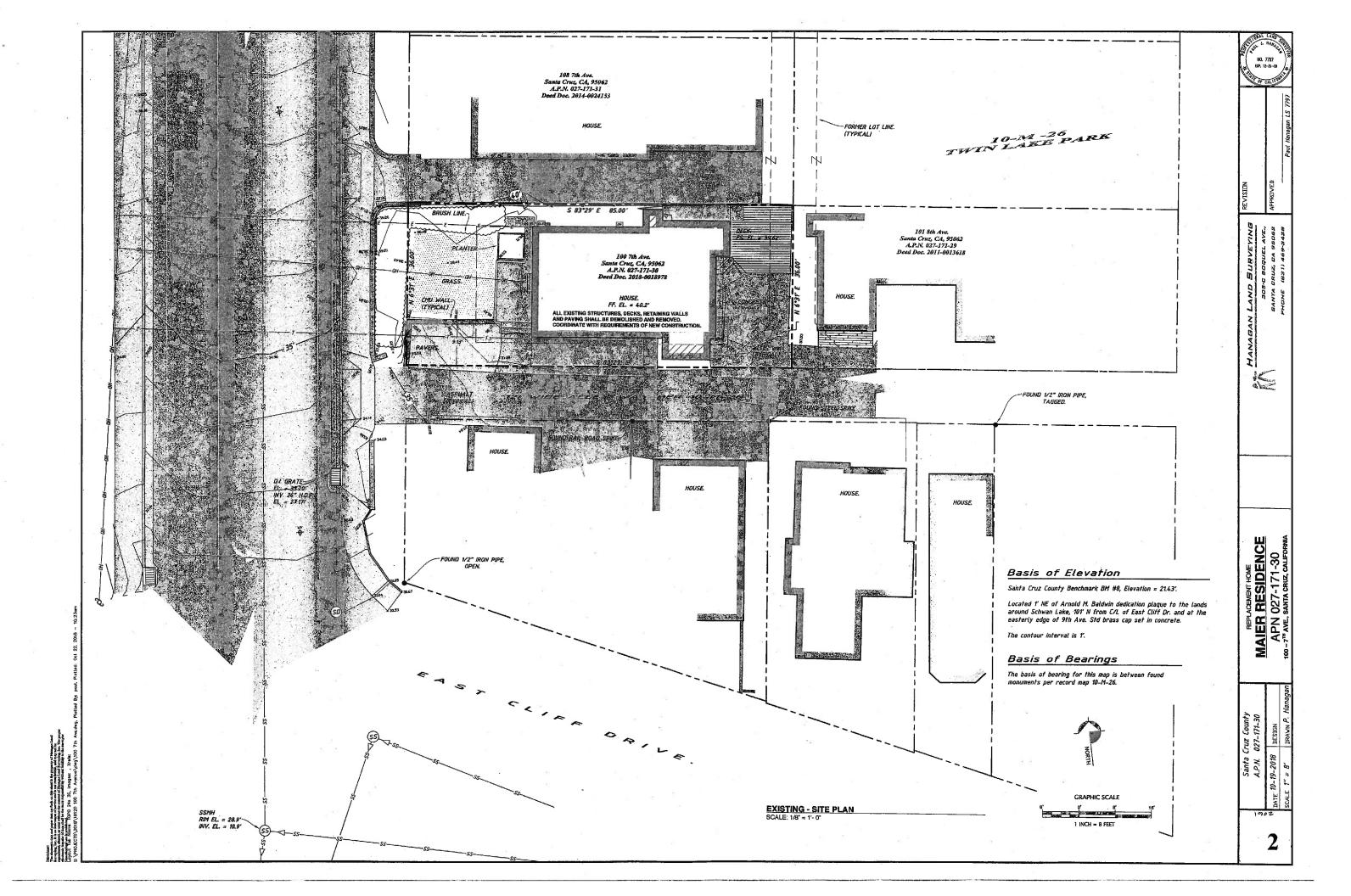
Michael Helm,

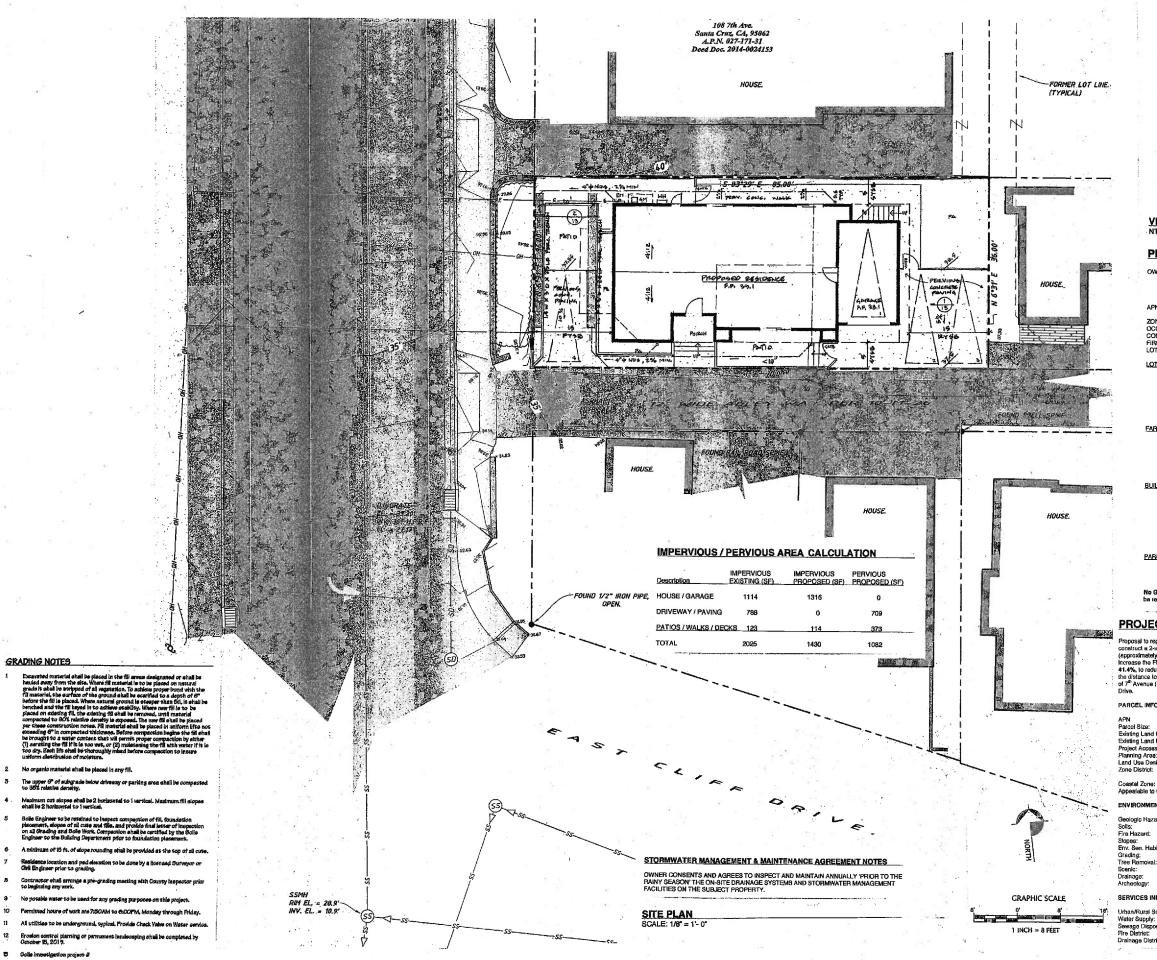
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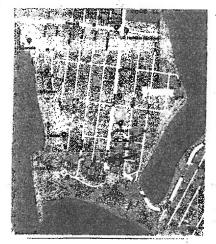
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1902







VICINITY MAP

PROJECT DATA

JOETTA & DANIEL MAIER 10161 PHAR LAP DRIVE CUPERTINO, CA 95014 408-836-5828 027-171-30 R-1-3.5 R-3 / U V-B SPRINKLERED 3,080 SF OCCUPANCY CL. CONST. TYPE FIRE RATING LOT AREA LOT COVERAGE 40% MAX. ALLOW, = 1224 SF EXISTING 1114 HOUSE GARAGE COVERED PORCHES DECKS (> 18" to Grad

	IOIAL	1114 = 36.4 %	1269 = 41.4%
FAR		50% MAX. ALLOW	/. = 1530 SF
		EXISTING	PROPOSED
	LOWER FLR	1114	1007.5
	UPPER FLR	0	829.25
	GARAGE (226 SF CREDIT)		not counted
	TOTAL	1114 = 36.4%	1836.75 = 80.0

BUILDING AREA	<u> </u>	
	EXISTING	PROPOSED
LOWER FLR	1114	1007.5
UPPER FLR	0	829.25
GARAGE	0	224
TOTAL	1114 SF	2050.75 SF
DECKS	0	378.5 SF
PARKING REQUIRED	5 B0RM = 4 SPA	ACES

EXISTING PROPOSED
3 BDRM = 2 SPACES 5 BDRM = 4 SPACES No Grading is required for this project. Areas disrupted during Construction shall be restored to be consistent with native vegetation species and patterns.

PROJECT DESCRIPTION

Proposal to replace an existing single-family dwelling (approximately 1,100 square feet) and to construct a 2-story dwelling (approximately 1,837 square feet) with an attached garage (approximately 224 square feet). Requires a Coestal Development Permit and Variances to increase the Lot Coverage from 40% to 41.4%, to reduce the street stide yerd serback (at the alley) from 10 feet to 5 feet, and to reduce the distance to the garage entrance from 20 feet to 8.25 feet. Property is located on the east side of 7th Avenue (100 – 7th Avenue) approximately 60 feet north of the intersection with East Cliff Drive.

APN
Parcel Size:
Existing Land Use — Parcel
Existing Land Use — Surrou
Project Access:
Planning Area:
Land Use Designation:
Zone District:

Appealable to Cal. Coastal Comm.

Geologic Hazards: Solls: Fire Hazard: Slopes:
Env. Sen. Habitat:
Grading:
Tree Removal:
Scenic: Not mapped/ no physical evidence on site Soils Report - REQUIRED Not a mapped constraint 0-2% Not mapped/ no physical ev No Grading required

027-171-30
3,060 square feet
Residential
Residential and Commercial
7th Avenue between East Cliff and Bonnie Street

Live Oak
R-UH (Urban High Residential)
R-1-3.6 (Single-family residential,
3,500 Square foot minimum percel size)

Note Not a mapped resource Existing drainage adequate Not mapped/ no physical e

SERVICES INFORMATION

Inside City of Santa Cruz County of Santa Cruz Central Fire Protection District Zone 5

3.11.19 1/3"=1"0"

MAIER RESIDENCE
APN 027-171-30
100-7" AVE, SANTA CRUZ, CALFORINA

9.16.19 Mil

Michael Helm, AIA Architect & Associates

MEH-1902

2.1



- 7. Excess and waste concrete shall not be washed into the street or into a drivinge system.
 2. For washood of concrete and marter products, a designated containment facility of sufficient capacity to retain liquid and saids washe shall be provided on alternal disposed of properly of site.
 3. Stary from concrete and aspent; saw cutting shall be vacuumed or contained, dried, picted up and disposed of properly.



F CONCRETE WASTE MANAGEMENT

EROSION CONTROL NOTES

- Erceion control planting or permanent landscaping shall be completed by October 18.
- Permanent landecape areas require auto-irrigation.
- Hydro-mulching is the best effective seeding method for large areas. Best time for planting is September-October, unless there is a sprinkler system
- Apply erosion control material on all drainage swales, cute and fill, also any location where any existing regetation has been removed.
- If mulching, seeding, or fertitizing manually, mulch with straw or hay at 4000 lbs/acrs. Fertitize with Aminorium Phosphate with Sulphur (16-20-0) at 350 lbs/acrs. If Hydro-mulching, use wood fiber mulch at 2000 lbs/acrs.

GRASS/LEGUME SEED MIX FOR EROSION CONTROL

xlM beac	Rate of Application
Sando Brome	15 lbs/acre
one Clover	12 lbe/acre
orro Annual Fescue	5 lbs/scre
esping Red Feecus	5 lbe/acre
pply seed mix at rate of	35 lbs/acre gr 8 lbs/ 10,000 Sq. Ft. gr 3/ lbs/ 1000 Sq. Ft.
rsitzer (16-20-0)	550 lbs/scrs or 8 lbs/1000 8q. Pt.

- ment Practices to prevent the off-site tracking of loose construction and

- Weste Management

 Disposal of any sinse or wash waters or materials on impervious or pervious site surfaces
- Projects on any since or wear wholes or manners on imparture to personal as an accuracy or into the storm of online representable to provented.

 Saningian facilities shall be similarized (e.g., persolate tollent) to provent discharges of the objects to the stems writer definings personal or recording water, and shall be located an infinitum of 28 deat ewey from an inlict, street or driveway, stream, riparian area or other drivings facility.

- minimum of 2 does deep from an inner, stored or conversely, stream, reparate seek of other dealings facility. Sministro inclitities shall be inspected regularly for leads and spills and cleaned or replaced as no concessery.

 Cover waste dispersal containers of the end of every business day and during a min event. Debutings a from waste dispond containers to the stream water durings expirem or receiving water shall be prevented. Shoughted water maintain shall-be contained and soccurely protected from wind and rain at all times unless sortively being assed.

 Procedures that effectively address heard-ous and non-hearenfour spills shall be implemented.

 Buijmented and materials the cleanup of spills shall be available on the and that spills and leaks shall be cleaned on the procedure of the containers of the contai

- Yeblele Stormer and Maintenance

 Mersures shall be taken to prevent oil, greeze, or fuel to leak in to the ground, storm draftne or surface wester.

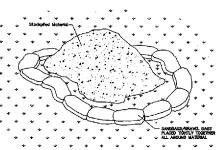
 All equipment or vehicles, which are to be fleshed, maintained and stored ensite shall be in a designated error fitted with appropriate BMPs.

 Leaks shall be immediately element and leaked materials shall be disposed of property.

- Contain stockpiled materials such as mulches and topsoil when they are not actively being used. Contain fertilizers and other landscape materials when they are not actively being used.
- Discontines the application of my employer material war, any we not actively being used.

 Discontines the application of my employer motified in motified material within 2 days before a forecoasted rate-tweeter-strategy serious of group testing and application and application rates according to manufacture experimental and equations and application rates according to manufacture experimental from or based on written specifications by knowledgeable and remaining of the processing of the process
- experienced field purselined.

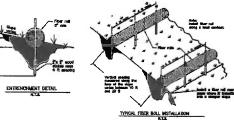
 Strak crofflold landscape material on pallets and powering or storing such materials when not being used or sipplied:



- serviction of stockales is a year-nound requirement. Locate stockales a minimum of 50 feet away from concentrated fit storm works, drainings courses, and drain hields. Implement wind ansion/transport control practices as appropriate. All stockales shall be covered, stabilized, or protected with a tempo barrier (i.e. sandbags, etc.) prior to the onset of presipitation.



(E) MATERIAL STORAGE



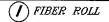
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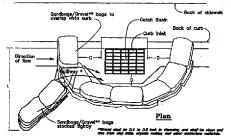
 2 Piacs on the down-skipe of exposed soil areas.

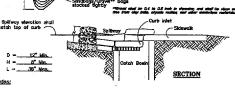
 3. Place around temporary stockpiles.

 4. Place along the perindere of a project.

 5. Slopes greater than 1.5 may reguline the use of 20 inch diameter fiber rolls at Sloped greater than 1:3 may require the last of all enter their open control that top of stopes.
 Fiber rolls shall be either prefabricated or rolled tubes of erosion control blanksts with a minimum 8 inch dismetter.
 Slopes 1:4 or flatter require fiber rolls to be placed no more than 20 foot
- apart. Slapes 1:4 to 1:2 require fiber rolls to be placed no more than 15 feet apart Slapes 1:2 or greater require fiber rolls to be placed no more than 10 feet
- 9. Slopes 1/2 or greater require noise rows to use process in a part of the process of the pr







as; ensulan control, soil stabilization, and measures to prevent tracking anto paved surfaces.

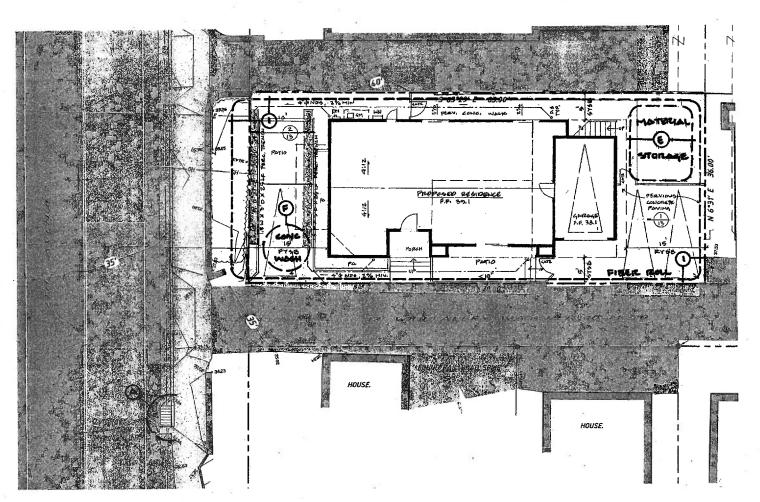
3. Modify inlet protection as needed to avoid creating traffic hazards.

4. Include intel protection measures at hillside v—ditches and miss, drainage smale for the protection shad be inspected and accumulated eadlinents removed. Sediments shad be disposed of properly and in a manner that assures that the sediment closs not enter the starm drain system.

5. Damaged longs shall be replaced immediately.

7. Additional sandbog sediment traps shall be placed at Intervals as Indicated on site plan.

A CATCH BASIN/INLET PROTECTION



STORMWATER POLLUTION PREVENTION PLAN



VICINITY MAP

PROJECT DATA

OWNER

APN

JOETTA & DANIEL MAIER 10181 PHAR LAP DRIVE CUPERTINO, CA 95014

R-1-3 5

027-171-80

ZONING. OCCUPANCY CL. CONST. TYPE FIRE RATING LOT AREA

R-9/U V-B SPRINKLERED 3,060 SF

- - Seed and Street Mulch.

 Seed and straw mulch is to be used for soil disturbed areas as a means for temporary protection until permission stabilization is established. It may be used on slopes up to 3:1 HeV (33%).

Seed and straw mulch shall consist of spresding seed (a minimum of 5 lbs/1000 sq. ft.) over disturbed areas and then placing a uniform layer of straw (2-3 bales/1000 sq. ft.) incorporating it into the soil with a studded roller or encharing it with a tackdiffer

Sediment Control Requirements

oject that involves ground disturbance shall include the following us measures on their stormwater pollution control plan. The minimum as shall be shown in plan view and shall include installation details and/o

Fiber Rolls for Westleet

Fiber rolls are to be placed at the down slope perimeter of the disturbance limits to
prevent or limit sediment from leaving the sits. In when areas or rises directly
adjacent to streets, fiber rolls shall be placed at the back of a sidewilk or shall be limit
sediment from entering the street. Fiber rolls or westless are generally preferred over

Fiver rolls are best used in low-exposure/now-sediment load areas. Fiber rolls at the time of slopes greater than 5:1 (EVY) may require the use of 20 brich disanctor ROLLS or installations sobieving the same protection (e.g., stocked smaller dismoter fiber rolls, oro.). Ther rolls must be adequately trenched to be effective.

Storm Drain Inlet Protection

Projects that include storm drain inlets or projects that drain into storm drains

Storm drain inlet protection consists of a addiment filter or an impounding area around a upstream of a storm drain, drop inlet, or curb inlet. Storm drain inlet protection measure temporally pood runoff before it enters the storm drain, allowing sediment in stitle. Som filter configurations also remove sediment by filtering, but usually the pooding action results in the greatest sediment reduction.

Architect & Associates AIA

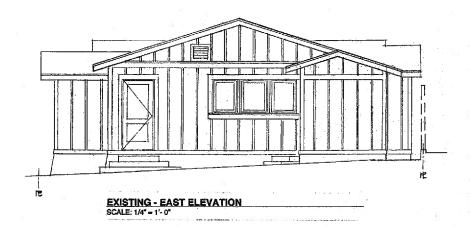
Michael Helm,

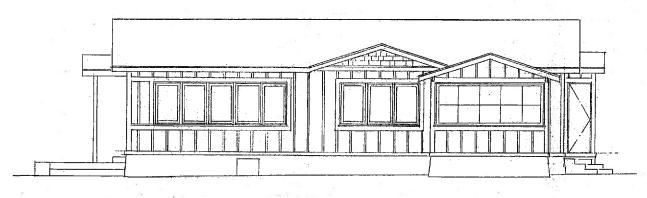
MAIER RESIDENCE
APN 027-171-30
100 - 7" AVE, SANTA CRUZ, CALFORNA

1/8"=110"

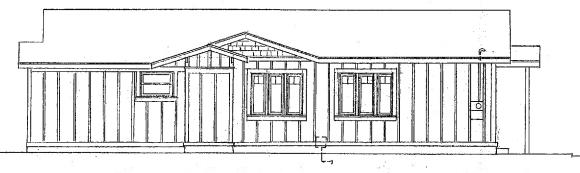
MEH, 1902



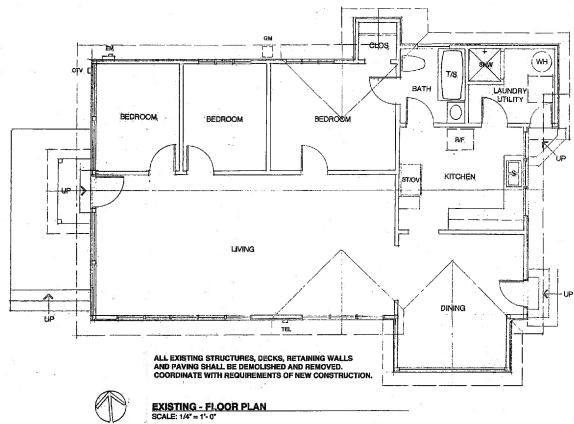




EXISTING - SOUTH ELEVATION SCALE: 1/4" = 1'-0"



EXISTING - NORTH ELEVATION SCALE: 1/4" = 1'-0"



- UP

MAIER RESIDENCE
APN 027-171-30
100-711 AVE SANTA CRUZ, CALIFORNIA

22 10010 MEN

(831) 476-5386

200 Seventh Avenue, #110

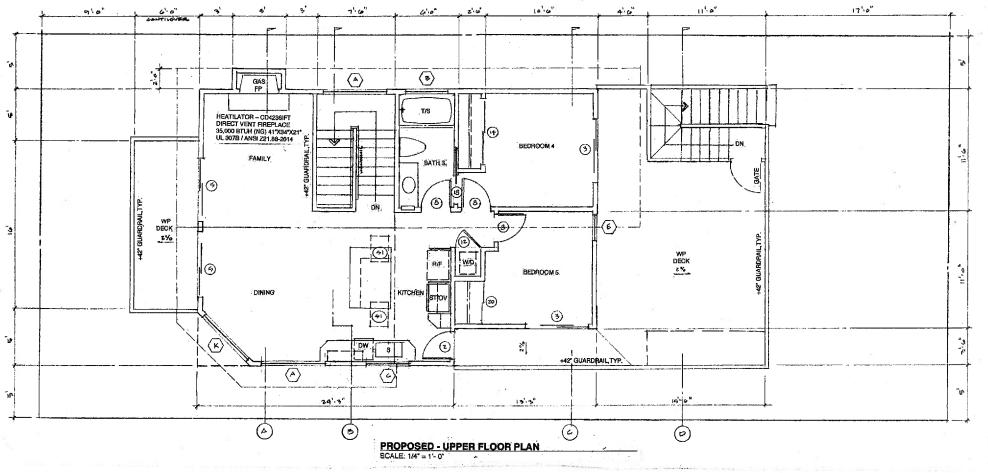
Michael Helm, AIA Architect & Associates

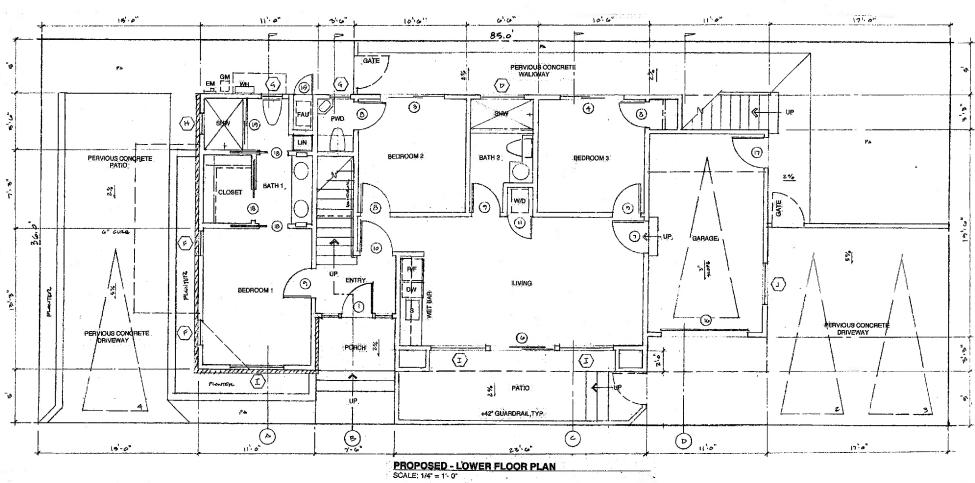
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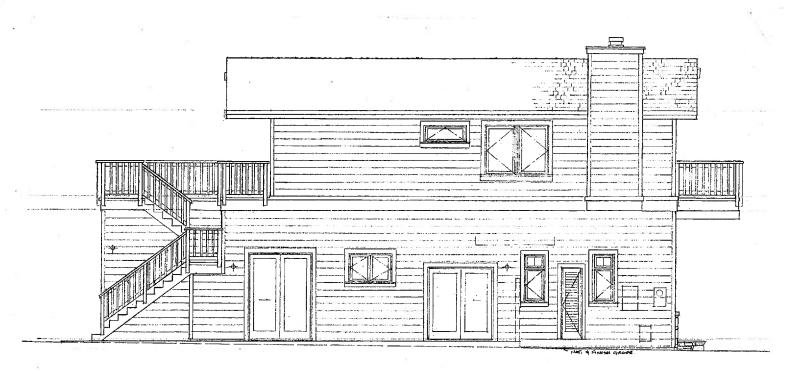
	WIN	WODI	SCHEDULE			
	SYM	SIZE	TYPE	QUAN.		REMARKS
,	$\langle A \rangle$	6046	Dbi Casement	4		Vinyi Sash, Dbl. Insulated Low-Eglass
	$\langle B \rangle$	4016	Awning	1		Vinyi Sash, DbL Insulated Tempered, Low-E glass
	(c)	4030	Dbl Casement	1		Vinyl Sash, Dbl. Insulated Low-E glass
	O	4026	Dbl Casement	1		Vinyi Sash, Dbl. Insulated Tempered, Low-E glass
	$\langle E \rangle$	2446	Casement	1		Vinyi Sash, Dbi. Insulated Low-E glass
	F	2466	2420 Fixed Transom over 2446 Casement Below	9 <u>r</u> 2		Vinyl Sash, Mulled logether Dbl. Insulated Low-E glass
	(a)	2050	2020 Fixed Transom over 2030 Casement Below	at 2		Vinyl Sash, Mulled together Dbl. Insulated Low-E glass
	$\langle H \rangle$	2020	Fixed	1		Vinyl Sash, Dbl. Insulated Tempered, Low-E glass
		5066	2W-2620 Fixed Transon 2W-2646 Casement Bel		3	Vinyl Sash, Mulled together Dbl. Insulated Low-E glass
	$\langle \overline{1} \rangle$	4060	2W-2020 Fixed Transon 2W-2040 Casement Bel		1	Vinyl Sash, Mulled together Dbl. Insulated Low-E glass
	⟨ĸ⟩	6046	Fixed	1		Vinyl Sesh, Dbl. Insulated Low-E glass
	(L)	4610	Fixed Clerestory	2		Vinyl Sash, Dbl. Insulated Low-E glass

91619

	A N	2466 2050 2020 5096 4080 6046 4610 MSV AAMA/ NWA a. All pe b. All No collet; The NFFCE whell not be remove	unite are Gold Label Cer r AAMA requirements, Instituted glass units con FIC certified and labeled, their which states the requirements	at 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	bel attached to frame r AAMA 2400.	Michael Helm, AIA Architect & Associates 200 Seventh Avenue, #110 Santa Cruz, California 95062 (831) 476-5386		
	DC	OR SCH	EDULE					
	SYM 1 w/ ea w/	SIZE 3080 1680 sidelights ch side of door 1620/3020/1620 nsoms above	TYPE Ext., Custom Entry Door W/ sidelights & transoms	QUAN.	REMARKS Solid Core, Stain Grade Wood To be Owner approved Tempered Low E Dbi, Insulated fixed glass sidelights / transoms			
	2	2868	Ext., Single lite French Door	1	Vinyl Sash, Tempered, Low E Dbl. Insulated glass			
	3	6068	XO Ext., Single lite Silding, Patic Door	3	Vinyl Sash, Tempered, Low E Dbi, Insulated glass			
	4	6080	XO Ext., Single lite Silding, Patko Door	1	Vinyl Sash, Tempered, Low E Dbl. Insulated glass	Щ §		
	(5) _{W/2}	6068 2W-3020 transom	XO Ext., Single lite abv. Sliding, Patio Dod	2 ors	Vinyl Sash, Tempered , Low E Dbl. Insulated glass	N 08		
	(B)	6080 2W-3020 transom	XO Ext., Single lite abv. Sliding, Patio Doo	1 этв	Vinyl Sash, Tempered, Low E Dbl. Insulated glass	71.7		
	0	3080	Interior, Garage Door	1	Stain Grade Birch, Flat Flush, 20 min. labeled, solid core w/ self-closer & Weatherstrip	EMENT ESI 27-1 VTA CR		
	8	2868	Interior, wood	6	Stain Grade Birch, Flat Flush, solid core			
	9	2880	Interior, wood	2	Stain Grade Birch, Flat Flush, solld core	API AV		
	10	3080	Interior, wood	1	Stain Grade Birch, Flat Flush, solld core	M Job		
	11)	2480	Interior, wood	2	Stain Grade Birch, Flat Flush, solld core	Market L. P. C. Senior		
	(12).	2468	Interior, wood	1	Stain Grade Birch, Flat Flush, solid core	• 1		
	(13)	2060	interior, wood	1	Paint Grade, Flat Flush, solid core			
	14	2W 3068	Interior, Mirror Sildling Closet	1	Use Heavy-Duty Track & Rollers White Alum, Frame & Track			
	(15)	2068	Exterior Metal Louvered	1	Paint grade, set in metal jamb			
	(16)	8010	Sectional Garage 'Carriage' style	1	Paint grade wood To be Owner approved	Server 1		
	77	3068	Exterior, 2-panel Garege Door	1	Paint Grade, Solid core, Weatherstrip	1		
	(19)	2868	interior, wood Pocket	4	Stain Grade Birch, Flat Flush, solid core, Use Heavy-Duty Track & Rollers	34		
	(19)	5060	Custom Bi-pass Shower Doors	1	3/8" Clear, 'Frameless' Tempered Glass, Provide Shop drawings for approval	Phops		
	2 0	2W 2068	Interior, Mirror Sliding Closel	1	Use Heavy-Duty Track & Rollers White Alum. Frame & Track	1/4"=110"		
	SK	YLIGHT	SCHEDULE			A MATER Restration products to rand shall reflect to rand shall re		
1	SYM	MFG / SIZE	TYPE	QUAN.	REMARKS	1902		
	§ 1)	Velux, FSE-C0 21° X 26-7/8"	Deck mounted Electric 'Fresh Air'	2	Dbl. Insul., tinted, Low-E w/ Laminated glass & blind	4		
					The state of the s	/		



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



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

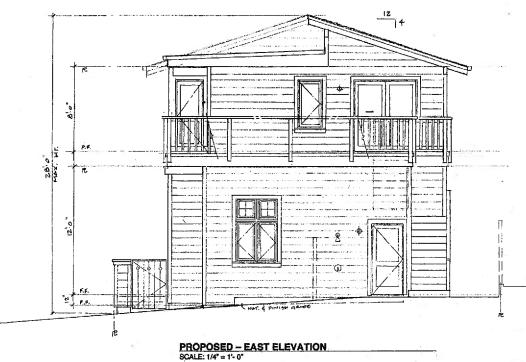


ROOF: ASPHALT COMPOSITION SHINGLE ROOFI
COLOR: CHARCOAL

GUTTERS,
FASCIA,
A TRIM
COLOR: WHITE

WALLS: JAMES HARDIE HORIZONTAL FIBER CEMENT SIDING, PAINTED COLOR: BLUE GREY

WINDOWS VINYL SASH W/ DBL. INSUL GLASS & DOORS COLOR: WHITE

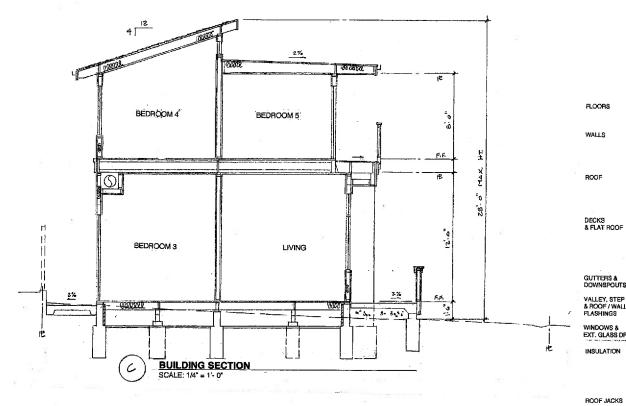


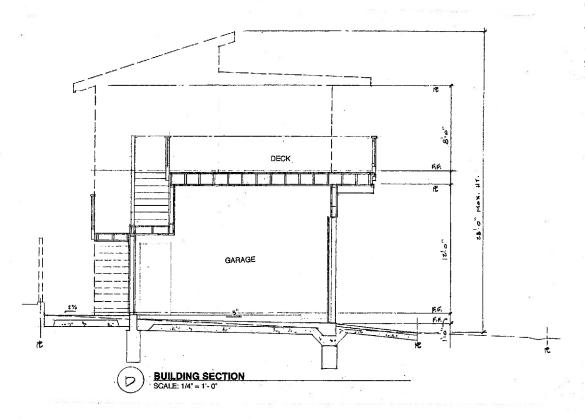
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MAIER RESIDENCE
APN 027-171-30
100-711 AVE. SANTA CRUZ, CALIFORNIA

(831) 476-5386





CONSTRUCTION SCHEDULE

(N) 8" thick perimeter Concrete stem wall with 8" X 18" Footing

CONCRETE SLABS: 5" thick concrete slab w/ #4 bars @ 16" o.c. each way, on 15 mll vapor barrier on 12" crushed rock.

CONCRETE MIX: Substitute Portland Cement with recycled flyash, 35% by volume, typical. Keep receipts for Inspector verification.

TREATED LUMBER: Substitute ACQ pressure treatment for CCA

FORM BOARDS: Clean and re-use for scaffolding, forms, blocking, etc...

FORM RELEASE AGENT: Use Non-toxic say based 0-VCC form release agent by BIO-GUARD CO. or Architect approved equal.

(N) TJI joists @ 15° o.c., with %° T&G plywood subfloor glued and nalled w/ 10d @ 8° o.c. edges & 10° o.c. field, U.N.O. with (N) R-19 Batt insulation.

(N) 5/16* James Hardis codarmiti siding over TYVEK house wrap on 12° CDX phywood sheathing, nalled 100 @ 6° o.e. edges and 12° o.e. field, U.N.O., on 2X6 stude @ 16° o.e. with F1-19 batt insulation, 12° gypsum board Inte

Class B (min.) Asphalt Composition Shingle Roofing, install per mig. specs over Dbi. layer 30 ib. felt over 548° CDX plywood sheathing nailed w/ nailed 104° @ 7. co. edges and 12° o.c. field, U.N.O., to 2X10 DF #1 rathers © 24° o.c. with R-30 fiberglass batt insulation. Use plywood clips at all unsupported edges, typical.

Class A Westooat ALX waterproof deck system w/ metal latin and installed with three separate polymer-modified comentitious applications and sealed with Westooat SC-10 Acrylic topooat, install per mits, specs over % T&G plywood gived and nailed w/ 10d @ 5 o.c. edges and 12 o.c. field, U.N.O., to 1-34*X 11-7/8* LSI, joiets @ 16* o.o., ripped w/ 1/k-12 slope with 5* thick (F-30 min.) SWD Quik-Shelid 112 Spray applied Polyurethane foam insulation. DECKS & FLAT ROOF

GUTTERS & DOWNSPOUTS

INSULATION

FLOORS (N) R-19 fiberglass batts
EXT. WALLS (N) R-19 fiberglass batts
INT. WALLS (N) 3-1/2* fiberglass sound batts
ROOPS (N) R-30 fiberglass batts
FLAT ROOF / DEC (N) 5* thick (R-30 min.) SWD Quik-Sheild 112

Provide neoprene gaskets and 26 ga. C. I. roof jack / rain cap, typical. All extraust vents shall be located a min. of 4 from or 1 above all roof or wall openings per CMC. All plumbing vents shall be located a min. of 10' from or 3' above all roof or wall openings per CPC.

Use weatherproof wall jacks by QUICKFLASH or approved equal for plumbing, electrical and mechanical penetrations. WALL PENETRATIONS

PAINTS, STAINS, ADHESIVES & SEALERS Use Low / No VOC, water based products and solvent-free adhesive

Install gas-fired furnace with >90% AFUE, provide High Efficiency Filter (Merv6+) HVAC

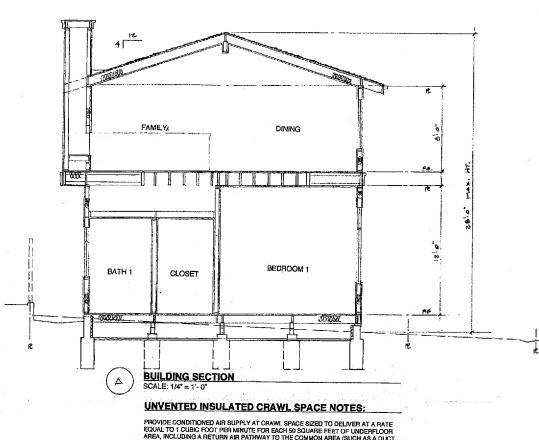
Provide ENERGY STAR rated, typical, provide cut sheets for inspector verification APPLIANCES PLUMBING

Use formaldshyde-free particle board and MDF by MEDITE or approved equal for all cabinets and trim applications. CABINETS &

MINISH SCHEDULE

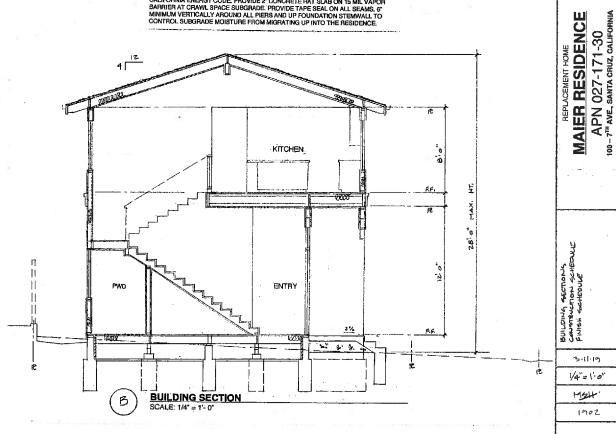
apm Name	FLOOR			walles				_	cenna			4	Base			NOTES			
	HERDWOOD	SETTOMIC TILE	VINYL	COEPET	CONCRETE	47P. BED.	CERAMIC TILE	STUCCO		740.00		Moor	5PUKGO		Mapp	CERCATICETILE	VINTE	No B456	
ENTRY		O	Г	Г	Г	O	Г			T	1	7	T	1	3			_	
LIVINA		O				O	П	_	П	$\overline{}$	1		\neg	T	3				
380100-14				O	Г	O	_		П	C	T	7	T	1	Ō				2
Banhrooms		O	г		Г	Ó	Г	П	П	K	Т	٦	Т	7		O	Г		3,4
KITCHEN	Ю	Г	Г		Г	Ō	_		П	7	XT	7	7	1	\supset			П	
FATHLY	O				Г	Ō					1	_1	\neg	7	Ī				
DINING	0		-	_	Г	Ō	Г		П	ĸ	T	7	1	7	Ō				
COTAIR.	$\neg \circ$	_			Г	O			П	C	T	7	T	7	Ō			П	
HOLL	70	Г			Г	O			П		T	7	1	7	Ō			П	
PORCH		O			Г			O		Т	Т	7	o	7				O	4
AARAKE	Ŧ				0	0			1	-	1	7	7	+	7			0	
						_			1	+	1	1	#		1		-		

VERIFY ALL FINISHES WITH OWNIET ALL CLOSET FLOORING AND BASEDOARDS BHALL MATCH THE ADJACENT FROM PROVIDE A SMOOTH, HARD, NON-BASORBANT SUBFACE OVER MOISTURE RESISTANT UNDEPLAYMENT TO A HEIGHT OF 72" ABOVE THE DRAIN OUTLET IN ALL SHOWER AND TOE LOCATIONS. UNDEPLAYMENT OF ALL THE SHALL BE CEMENT, PIBER-CEMENT OR GLASS NAT CYPSUM BOAGER BOARDS IN COMPLIANCE WITH ASTIM CITS. C1980 OR C1328 AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER. RECOMMENDATIONS. IT SHALL BE USED BAS A BASE FOR WALL TILLE IN TUB AND SHOWER AFRES AND AS CELLING PANELS IN SHOWER AREAS.



PROVIDE CONDITIONED AIR SUPPLY AT CRAWL SPACE SIZED TO DELIVER AT A RATE EQUAL TO 1 CUBIC FOOT PER MINUTE FOR EACH 50 SQUARE FEET OF UNDERFLOOR AREA, INCLUDING A RETURN AIR PATHWAY TO THE COMMON AREA (SUCH AS A DUCT OR TRANSFER GRILL) PER CRC R408.3 (2.2).

CRAWL SPACE PERIMETER WALLS AND EXPOSED FOUNDATION STEMMALL SHALL BE INSULATED WITH 2" THICK R-10 (MIN.) POLYSTYRENE RIGID FOAM INSULATION PER THE CALIFORNIA ENERGY CODE. PROVIDE 2" CONCRETE PAT SLAB ON IS MIL VAPOR BARRIER AT CRAWL SPACE SUBGRADE. PROVIDE TAPE SEAL ON ALL SEAMS, 6" MINIMUM VERTICALLY AROUND ALL PIERS AND UP FOUNDATION STEMMALL TO CONTROL SUBGRADE MOISTURE FROM MIGRATING UP (NTO THE RESIDENCE.



6

9.16119

Associates

Michael Helm, AIA Architect &

ELECTRICAL NOTES

2eneral

- All Electrical work to comply with the latest adopted edition of the California Electrical Code.
- 2 Electrical contractor to submit load calculations and panel diagrams to the Building
- 9 De not instail electrical penels larger than 16 square inches in rated fire wells. Maintain a clearance of 36" in front of the panels.
- 4 Bond all metal gas and water pipes to ground. All ground clamps must be accessible and of an approved type. (CEC 250.104)
- 5 All joints and panetrations to be cautied and scaled.

- Circuite

- Central heating equipment shall be supplied by an individual branch circuit. Varify electrical requirements for all mechanical equipment.
- 2 All exterior, garage, kitchen and bathroom circuits shall be on GFCI circuits. Combination APCI/GFCI outlets are required at kitchen and laundry areas.
- 3 All 120-volt 15 & 20 sup tranch circuits in dwelling units except those in kitchens, bathrooms, unlinished basements, garages and outdoors shall have AFCI proteotion. (CEC 210.12)
- 4 One 20A circuit shall be provided to supply the bettercom receptable outlets. Such circuit shall have no other outlets CEC 210.11(C).
- 5 Provide two small appliance branch circuits for Kitchen retrigerator and counter outlets only, not to include quiside plags, range hood, disposel, dishwasher or microwave.
- 6 Provide a dedicated 20 amp clicuit to serve the required bathroom outsits. This circuit cannot asive any other receptacles, lights, fars, etc... Exception: where the circuit supplies a single bathroom, outsits for other equipment within the bathroom shall be permitted.
- 7 Provide a declinated 20 amp disput to supply laundry receptable outlets. Dryer and cooking units shall have a four-prong outlet with four conductor wires with an insulated neutral.

Switch

- Wall switches to be 42" @ centertine above tinish floor. All outsets to be 12" @ centerline above tinish floor, unless noted otherwise.
- 2 Dimmers or vaizancy sensors shall control all luminaires required to have light source compliant with Reference Joint Appandb: JAS per Table 150.0-A Exceptions are provided for closets smaller than 70 sq. ft. floor area and light fedures in hallways per CA Energy 150.062.k
- 3 Extentor lighting attached to any building shall be high efficacy, controlled by a manual ON and OFF switch that does not override to ON, and controlled by a motion sensor with photocontrol, or other methods ellowed by CEnC 150.0(k)3

Receptack

- Heceptacles on 125-voit 15 & 20 amp circuits shall be listed temper resistant, (CEC 406.12) Except when located more than 5.5' above the floor; within cabinete or cupboards; or when part of a luminaire or appliance.
- 2 Receptacles must be installed at 12° o.o. maximum in walls. Wails longer than 2 feet and halls longer than 10° must have a receptacle. A receptacle must be provided within 3° of bathroom sinks, (CEC 210.52), Spealing of kitchen and diming room countertop receptacles shall meet minimum requirements of CEC 210.52(0), Parts 1-6.
- 3 Ground-Fault Citrouti-Interrupter (GFCf) proteoted receptacles shall be installed in ballmooms, garages, outdoors, crawl spaces, hitchen, unfinished basements, and receptacles within 6 ft. of the outside edge of lexendry, utility, and wrt sinks, At dwellings must have at least one exterior outlet at the front and the back of the dwelling. (CEC 210.52(E)
- 4 GFCI outlets are required for all kitchen receptables that are designed to serve countertop surfaces, in bethroom, in under-floor spaces or below grade level, in exterior outlets, and in all garage outlets not dedicated to a single device or appliance. (CEC 210.8)
- 5 Arc-Feuilt Circuit-interrupter (AFCI) protected receptacles shall be installed in all rooms not requiring GFCI protection. This meatmann length of the branch circuit to the AFCI is 50 feet for 14 AWGI conductors or 70 feet for a 12 AWGI conductor.
- 6 Exterior Outlets @ Grado; At least one readily accessible outlet from grade and not more than 6-1/2 feet above grade level shall be installed at the front and back of dwelling, be GPCI protected, and have a weeking-proof analogure.
- 7 Ederior Quitete @ Balcomies, Decks, and Parches: Each balcomy, deck, and porch shall have at least one resulty accessible outliet not more than 6-1/2 feet above the walking surface, be GPCI protected, and heve a weetherproof enciosure.

Light Fixtu

- Lighting in bathrooms, garages, laundry rooms & utility rooms must be controlled by a vacancy sensor per CA Energy Standard 150.0(k)2.K.
- 2 Lighting in all other interior rooms like living, dining, bedrooms, etc. (except closets of less than 70 eq. it.) shall be high efficacy with manual on occupancy switches or direction.
- 3 All installed lighting shall be high efficacy in accordance with Table 150.0-A of the California. Energy Code. Exterfor lighting shall be high efficacy or controlled by a photo/motion sensor per CErO 150.00(9A
- 4 All LED lighting shall be California Energy Commission certified to quality as high efficacy.
- 5 All recessed light fixtures shall be IC listed per CEnC 150.0(k)8
- Fixtures Installed in vet or damp locations shall be installed so that water cannot enter or accumulate in whiting compentments, lamp holders, or other electrical parts. Fixtures in vet or damp locations will be marked for such use. Lighting tideures located within 3 feet horizontally and 3 feet vertically of the bethalb rim or shower stall threshold shall be tisted for a damp location, or fisted for vet locations where subject to shower spray per CEC 410.10

Ventilation Notes:

- All bathroom fans are to be used for Local Ventilation Exhaust. Minimum 50 CFM (an fested at a statio pressure of .25 wc and rabed @ 3 sones or less required to be installed. Fan must be attached to a minimum 4 duct and no longer than 70' of flex duct. Subtract 15' of allowed length for each elbow.
- All kitchen range hoods are to be used for Local Ventilation Exhaust. Minimum 100 CFM tested at a static pressure of .25 wc and rated @ 3 sones or less required to be instaled. Fan must be attached to a minimum 5° amouth duct and no longer then 85°. Subtract 15' of allowed length for each elbow.
- This fan is to be used for Whole Building Ventilation. Minimum 70 CFM fan tested at a static pressure of .25 wc and rated @ 1 sone or less required to be installed. Fan must be attached to a minimum 5° duct and no longer than 70°. Subtract 15° of allowed length for each slow. Switch for fan must be labeled to indicate the fan's required function such as "Fan is to be left on to ensure indoor air quality".

AS marking is required for the following:

- 7 All lighting must be high efficacy. High efficacy luminaires may require JA8-2016 or JA8-20160-E labeling. Per CEnE 150.0(k)1A, 150.0(K)1G, 150.0(K)2K Table 150.0-A
- Fixtures recessed into ceilings shall be fished for zero descence insulation contact (IC) have a label that certifies that the fixture is sirright with air bestoge less than 2.0.CPAN at 75 Pascet's (AT), be sealed with a gasterior cealty to the ceiling, have an accessible beliested/herer if hardwired, and not contain a screw base socket. They shall contain light sources that comply with Reference Joint Appendix JAB, including the cleveled temporature requirements, and that are marked YAB-2:108-EF Per Cenc 1 50.0/(K)(IC).
- Recessed Down-light Luminaires in Ceilings: Recessed downlight luminaires in ceilings must be installed per CERC190.0(1c), be listed IC rated, labeled for air leakage less than 2.0 CFM, be sealed with a gasket or cask to the ceiling, have accessible belaskedrivens if hardwired, not contain a serve base sockets, comply with JA8, and marked JA8-2016-E as specified in Reference Appendix. Vir.
- 10 Screw Based Luminaires: Screw based luminaires shall be high efficecy and controlled by dimmers or vacancy sensors. Installed larges shall be marked with 149-8206 or 1,49-2016-E as specified in Reiderson John appoint July 8 europe not marked 148-2016-E' shall not
- 11 A GU-24 lamp fitting is a 2-pin connector for compact fluorescent lamps (CFL) or LED lamps that use bayonet maunt-like twist-lock 2-pin connector instead of an Edison screw fitting.
- 12 Any light source not otherwise listed above and certified to the Commission as complying with Joint Appendix 8.

Alerme

- 1 Contractor must install or verify the existence of smoke alarms and curbon monoxide alarms outside each bedroom as well as one on every level. An additional smoke alarm is required inside each bedroom. Alarms in existing sreas where access to the area above the ceiling is not possible may be powered by a D/C battery source. In the areas of new construction or existing rooms where the area above the oeiling is accessible, elarms must be powered by an A/O power source with a battery back-up and be interconnected,(CRC S14, 315).
- Smoke detector/ akarms are to be provided with battery back-up and audible in all sleeping areas and shall be hard-wired and inter-connected per CRC R314.5.
- 3 An approved earbon monoxide alarm shall be installed in dwallings within which tuel-burning appliances are installed, and in dwallings with an attached garage. Carbon monoxide detector/starms on all behilded leaders on the behilded leaders.

HVAC

- 1 Provide exhaust fans in klichen and each bathroom vented to cutside and sized as follows. Klitchen: >/= 100 CFM Intermittent, >/= 5 AC/h continuous. Belthrooms: >/= 50 CFM Intermittent, >/= 20 CFM continuous. Exhaust fan mitings to be </= 1 sone continuous, </= 3 sones intermittent. Bath fans to be £ many Site compliant and equipped with humidistat controls for adjustment of relative foundity from 50 to 80%, per CaliGreen code 4.006.1.
- Bathroom exhaust tans shall be switched separately from lighting system per CA Energy Code 150.0(t)23.
- 3 Provide a whole-building mechanical exhaust system to outdoor air at the rate of 25 CFM or greater. System to have an accessible offion switch that is properly labeled. Covers and louvers for the whole house venitation fan(s) shall be provided so that they closs when the system is turned off. Covers or louvers to have min. If 4.2 insulation value.

WHOLE HOUSE VENTILATION CALCULATION per CEC 150 (O) & ASHRAE 62.2

100 SF Htd. Area + 7.5 X (S bedrms + 1) = 성동 CFM req'd

LIGHTING FIXTURE SCHEDULE

Feo Description

F1 Surface mounted 1' X 4' wrap around for (2) - F32 T6 lamps with electronic belies

Menufacturer: Lithonia, Litepuffs 10840 Lamp & Mig: GE P32 T6 / SPX 35 Ballast: Electronic

2) Surface mounted under cabinet task LED light
Manufacturer: WAC Lightling, Line, 3000K
Lamp & Mig: 80° LN-LED9-30AL
24° LN-LED24-30-AL
12.25° LN-LED12-30-AL

A1) Recessed adjustable retractable LED downlight.

Menufacturer: WAC Lighting, Precision Multiples, 2700K Housing, MT-4LD116N-S-27-BK Trim, MT-4LD116T-WT

(A2) 6* recessed shower light for LED- lamp with drop opal lens.

Manufacturer: Halo, To be determined Lamp & Mfg: 3500K Remarks: Order with bar hangers

D1) Wall mounted exterior light fixture.

Manufacturer: To be determined

Lamp & Mig:
Remarks: Provide photo/motion sensor on exterior verify location of sensor prior to installative Owner approval required prior to ordering

D2) Calling mounted decorative light fixture.

Manufacturer: To be determined Lemp & Mig:

D3) Wall mounted LED decorative bath strip light.

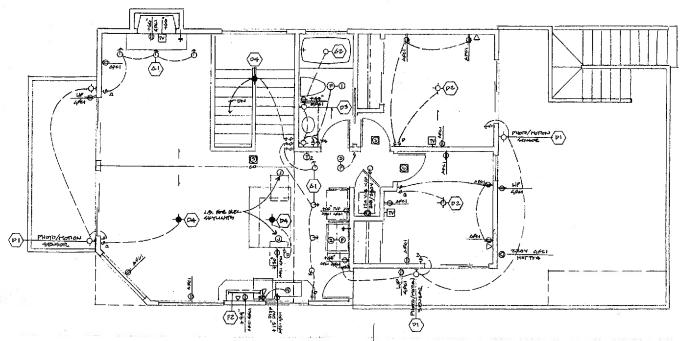
Manufacturer: WAC Lighting, Brink, WS-77618-AL

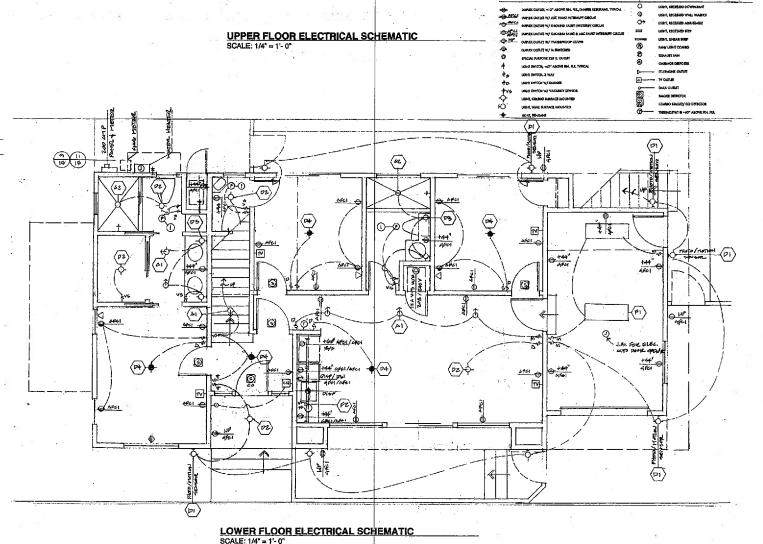
Lamp & Mfg:
Remarke: Mount vertically

4) Ceiling Pendant mounted ceiling fan or light fixture.

Manufacturer: To be determined

Lamp & Mig:





ELECTRICAL SYMBOL LEGEND

MAIER RESIDENCE

MAIER RESIDENCE

APN 027-171-30

100-7" AVE., SANTA CRUZ, CALIFORNIA

3.11.19

1/4"=1'0"

MSH

1902

9110119

Associates

AIA Architect &

MECHANICAL NOTES

- The System shall be installed in accordance with the latest edition of the California Machanizal Code, Provide all equipment shown an drawinge and as needed for a complete and working system. Use Marindachure's as ache around equipment. Contractor shall provide and install all controls necessary to operati the system as required by the California Energy Efficiency Standards.
- For the purpose of clarify and legibility, these drawings are essentially diagrammatic to the extent that many offsets, bends, special titings and exact locations are not indicated. Contractor shall verify all conditions at the absfurp proceeding with installation. It is the actor to install the system such that the integrity of the building
- All joints and penetrations must be sealed.
- Machanical equipment and water heaters must be certified and labeled by the California
- minision of all environmental air cluds shall be a minimum of 3 feet from any openings the building (le., dryers, beth & utility fans, slo., must be 3 feet away from doors, lows, opening skylights, or atife vents) CMO 504.5.
- Duct connections to be wrapped with U.I. Islad (81 tape in accordance with the following:

 A) Attach the inner core to the coller with at least two wrape of approved duct tape and secure with an approved diamp.

 B) Pull j
- All equipment, meterials and installation techniques shall meet or surpass local codes and Title 24 requirements.

NOTE:

HERS registered forms are required by installing mechanical contractor for the nexhol registered forms and required by installing contractor to register project with HERS provider and submit to fursidiction before beginning work; HERS duct testing is required and must pass with ducts having less than 5% leakage.

DEFERRED SUBMITTAL

SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER OF RECORD, WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOTATION RIDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND TO SE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE DESIGN AND SIBMITTAL OFFICIAL THE DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL. THE FOLLOWING ITEMS WILL BE SUBMITTED SEPARATELY FOR THIS PROJECT:

- PROVIDE DEBIGN AND DOCUMENTATION FOR A COMPLETE HEATING SYSTEM. PLANS AND SPECIFICATIONS TO INCLUDE APPLIANCE MODELS. PEGIFICATIONS BTU VALUES, DUCT LAYOUT, MATERIALS AND SIZES, ETC. HEATING AND/OR AIR-CONDITIONING SYSTEMS SHALL BE SIZED, DESIGNED AND HAVE THE EQUIPMENT SELECTED USING THE FOLLOWING METHODS:
 - THE HEAT LOSS AND HEAT GAIN IS ESTABLISHED ACCORDING TO ANSI/ACCA 2 MANUAL J-2011, ASHRAE HANDBOOKS OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.
 - DUCT SYSTEMS ARE SIZED ACCORDING TO ANSI/ACCA 1 MANUAL D-2014, ASHRAE HANDBOOKS OR OTHER EQUIVALENT DESIGN SOFTWARE
 - SELECT HEATING AND COOLING EQUIPMENT ACCORDING TO ANSI/ACCA 3 MANUAL 9-2014 OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.

Ventilation Notes:

- All bethroom fane are to be used for Local Ventilation Exhaust. Mintmum 50 CFM fan tested at a static pressure of .25 wo and rated @ 3 sones or less required to be installed. Fan must be attached to a minimum 4° duct and no longer than 70° of flex duct. Subtract
- All kitchen range hoods are to be used for Local Ventillation Exhaust. Minimum 100 CFM tested at a static pressure of .25 we and rated 49 3 sones or less required to installed. Fan must be stacked to a minimum 5' emooth duct and no longer than 65'.
- This ian is to be used for Whole Building Ventilation. Minimum 70 CFM ian tested at a static pressure of .25 we and rated @ 1 sons or less required to be installed. Fan must be attached to a minimum 5' duct and no longer than 70'. Subtract 15' of allowed length for each allow. Switch for fan must be liabiled to indicate the tan's required function such as

PLUMBING NOTES

- The Plumbing System shall be installed in accordance with the latest edition of the Plumbing Code. Provide all equipment as shown on drawings and as needed for a complete and working system. Use Manutacturer as scheduled or Equal approved Architect. Install all equipment in accordance with the Manufacturer's instructions a
- Provide clean outs for every aggregate change in direction exceeding 135 degrees. If the water supply pressure exceeds 80 PSI, Install an approved pressure regulator in an acceedable location to roduce the service pressure to 80 PSI or less. Hote bibbs shall be protected by a backdow prevention device. Pressure realist valve shall extend to the outside of the building and terminate not more than two feet nor less than six inches above the ground and pobled downward.
- Waste lines shall be ABS. Water supply piping shall be Type L copper below grade and Type L copper within the building. Gas piping shall be Schedule 40 black iron.
- For the purpose of clarity and legibility, these drawings are essentially disgrammatio to the extent that many otherts, bands, special fittings and exact locations are not indicated. Contractor shall verify all conditions at the cite before proceeding with installation. It is the responsibility of the Commetter to install the system such that the Integrity of the building
- Provide pressure belance or thermostatic mixing valves at tub / shower (120F max.). Verify at rough plumbing inspection per CPC sec. 420.
- All building water supply systems in which quick acting valves (washing machines, dishwahers, sio., are installed, shall be provided with devices to absorb high pressures resulting from the quick closing of these valves.
- Water lines shall be insulated per CA Energy Code 150.0(j)2 as follows; a. With a minimum thickness of piping insulation based on the conductivity per Table 120.3-A
- Table 120.3-A
 Hot and cold water line within the first 5ft from the storage tank
 All hot water piping from the course to the kitchen fixtures
 All buried insulated hot water lines in a crush proof elseve
- Water Pipe Insulation: Install 1.5 inch minimum piping insulation: the first 5 feet of hot and cold water pipes from the storage tank, all piping with a nominal diameter of 3.4 inch or larger, all piping associated with recirculation eyeten regardless of pipe diameter, piping buried below grade, all hot water pipes trom the heating source to the kitchen fluctures. Hot water pipes buried below grade must be installed in a water proof and non-rountable cealing or sleeve. Insulation outside conditioned space shall be protected per CEnC 150.0(j)3.
- Provide a "DSA Certified" earthquake actuated gas shut off valve at the gas mater or

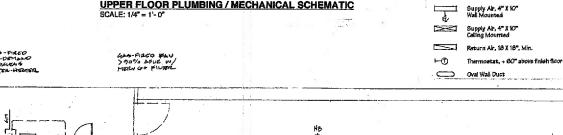
PLUMBING FIXTURE MAXIMUM FLOW RATES

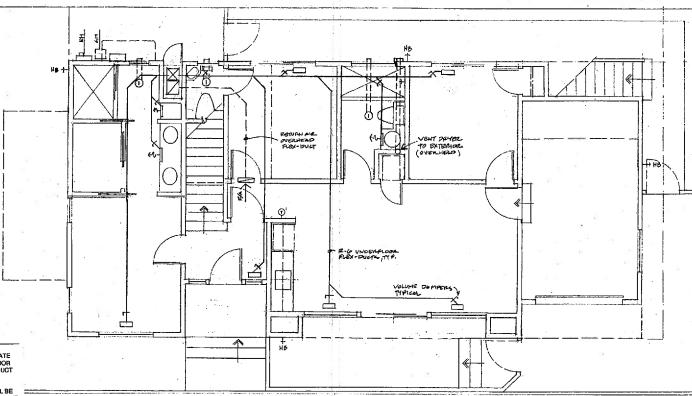
TOILET			1.28 GPF
LAVATORY FAUCETS	2.28	٠.	1.5 GPM @ 60 PSI
TUB / SHOWER VALVES			1:8 GPM @ 80 PSI
KITCHEN FAUCETS	2.5		1.8 GPN @ 60 PSI

PLUMBING FIXTURE CONNECTION SCHEDULE

SYMBOL	TYPE	WASTE	VENT	нот	COLD	
LV	LAVATORY	1-1/2"	1-1/2*	1/2*	1/2*	
WC	TOILET	3"	2*	٠.	1/2"	
T/SH	TUB / SHOWER	2"	1-1/2"	1/2"	1/2"	
кв	KITCHEN SINK	24	1-1/2*	1/2*	1/2"	
W8	WASHER	1-1/2"	1-1/2*	1/2"	1/2*	
нв	HOSE BIBB				3/4"	

UPPER FLOOR PLUMBING / MECHANICAL SCHEMATIC



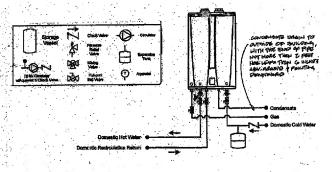


LOWER FLOOR PLUMBING / MECHANICAL SCHEMATIC

UNVENTED INSULATED CRAWL SPACE NOTES:

PROVIDE CONDITIONED AIR SUPPLY AT CRAWL SPACE SIZED TO DELIVER AT A RATE EQUAL TO 1 CUBIC FOOT PER MINUTE FOR EACH 50 SQUARE FEET OF UNDERFLOOR AREA, INCLUDING A RETURN AIR PATHWAY TO THE COMMON AREA (SUCH AS A DUCT OR TRANSFER GRILL) PER CRC R408.3 (2.2).

CRAWL SPACE PERIMETER WALLS AND EXPOSED FOUNDATION STEMWALL SHALL BE INSULATED WITH 2" THICK R-10 (MIN.) FOLYSTYPENE RIGID FOAM INSULATION PER THE CALIFORNIA ENERGY CODE. PROVIDE 2" CONCRETE RAT SLAG ON 15 MIL VAPOR BARRIER AT CRAWL SPACE SUBGRADE. PROVIDE TAPE SEAL ON ALL SEAMS, 6" MINIMUM VERTICALLY ADOLDAD ALL SIEMANS, 6" ON THE STEMMAL TO CONTROL SUBGRADE MOISTURE FROM MIGRATING UP INTO THE RESIDENCE.



TANKLESS WATER HESTER - INSTALLATION SCHEMETIC

8

3.11.19

1/4=10 MELL

1902

9.16.19

Associates

Architect &

Michael Helm, AIA

MAIER RESIDENCE
APN 027-171-30
APN 4027-171-30

MECHANICAL SYMBOL LEGEND

Supply Air, 4" X 14"
Roor Mounted

Supply Air, 2-1/4" X 14"
Toe-Kick Mounted

ARCHITECTURAL SPECIFICATIONS

GENERAL REQUIREMENTS

The Work under this contract includes furnishing all labor, equipment's, appliances, and materials required for construction of this kome in strict accordance with those specifications and the applicable drawings subject to the terms of the contract.

GENERAL CONDITIONS

- Before commencing any work under this contract, the CONTRACTOR shall have in its possession the secessary and required insurance as governed by the State of California; policies as follows:
 - a. Workmen's Compensation insurances: This policy shall cover the full liability of the contractor and his workmen. Each sub-contractor shall be required to provide the same for his workmen.
 - b. Public Liability insurance: This policy shall cover the full liability and claims for damages for personal injury including accidental death.
- The Construction of this building shall comply with all applicable requirements and regulations set forth by the latest of the California Building Codes and all applicable requirements and regulations set forth by Labor Codes and local Cridinances.
- The CONTRACTOR shall inspect the elte and familiarize himself with all local conditions and take full responsibility for maintaining ingress to and egress from the elte at all times.
- Temporary water and electricity shall be provided by the CONTRACTOR and he shall pay all installation and meter charges.
- Temporary tollet facilities shall be inetalled and maintained by the CONTRACTOR.
- The CONTRACTOR shall provide, procure, and pay for all building permits required for the execution of the contract and the
- During the execution of the work called for on the plane and in these specifications, the CONTRACTOR will be held responsible for any and all damage to existing adjacent property, structures, sidewalks,
- Upon the completion of the work, the building shall be broom cleaned and ready for occupency. Finished surfaces ecratched or damaged shall be refinished, resurfaced or replaced, as the case may be. The entire premises shall be clean and free from all debris and evidence tion. Temporary facilities, construction and equipmen
- All concrete elabs, walls and driveways shall be adequately protected from damage from any source until acceptance of the work.
- The CONTRACTOR shall check and verify drawings as to scale and dimensions; and if errors appear in the drawings or conflicts in these specifications, the CONTRACTOR shall bring them to the attention of
- 11. THE CONTRACTOR shall layout the building in accordance with the general location of the building as chown on the drawings. The CONTRACTOR shall furnish all engineering services necessary to the proper layout and construction of the building.
- The CONTRACTOR shall make no deviations from the drawings unless such deviations are approved by the OWNER. 12.

EXCAVATION, GRADING, AND PAYING

See plans for extent of work. In general, this consists of preparing the site, excavation of foundation trenches, all fills and backfills, removal of excess material to area designated, spreading same and finish grading and paving on areas designated. Sippe finish grade to drain away from building. All filled areas are to be keyed into hillside and compacted as required.

CONCRETE WORK

1. MATERIALS

The quality of the materials used in the concrete and the quality of the concrete shall conform to the physical and chemical properties as

- s. Reinforcing wire Welded wire fabric 6" x 6" #10 (ASTM A185) b. Deeign mix for 2,500 pounds per square inch concrete at 28 days. (unises noted otherwise)
 Sill anchors to be 5/8" x 12" anchor botte embedded 9" minimum, and
- Dut anciores so be the 'x x' ancion ports empeaced or minimum, and located 3"-0" O.C. for two story extructures and 4"-0" O.C. for single story extructures. Place anchors within 12" of corners.

 Reinforcing steel shall be deformed, intermediate grade, conforming
- to ASTM ASIS-40

FIREPLACE AND BLOCK WORK

See plans for extent of masonry work to be included in this building OWNER is to select type of rocks or bricks prior to construction. The Masonry tractor will design the lintel and flue as required by code.

All framing lumber shall be graded in conformance with the West Coast Lumber inspection Bureau Grading Rules No. 18 as amended to date. Grades to be as follows unless noted otherwise on the plans:

- Mudelle-foundation grade redwood or equivalent treated materials.
- Posts and Beams- 4" & thicker D.F. #1(Pars. 130-b) F.O.H.C.
- Joiste and rafters- 2" to 4" thick, 6" & wider construction grade Douglas Fir #2 (Fera. 123-c)
- Girders- construction grade Douglas Fir #1
- Stude-construction grade Douglae Fir #2 (Para 121-c)
- 6. Plywood Flooring 3/4" Douglas Fir T & G exterior plywood CDX Sub-flooring- Douglas Fir 2" x 6" T & G utility decking

- Exposed beams- Douglas Fir #1 select F.O.H.C. (Para. 150-b)
- Exposed ceiling -select Pine T & G decking
- Exterior decking- select "A" grade Redwood
- Sheathing Paper-#50 Bidg, paper Kraft type or equal

GENERAL FRAMING NOTES

- Floore to be level within 5/16" + all around.
- Structural members shall not be cut for pipes, etc. unless specifically
- Provide washers for all boits.
- Use aluminum or galvanized naile for all exterior siding or trim.
- Use anchor hold type neite for all plywood flooring.
- All physical floors and exterior decking to be glued with P.L-400 or.
- Use coment coated 16d sinker nalls for framing.
- Provide an 18" x 24" minimum access area to underside of home.
- Provide access for both tub trap; 20' maximum distance to all
- All expresses to have a maximum rice of 7 kand a minimum tread width of 19½". Frouds headroom clearance of 7-0" min. Install handrelle as required 34" to 38" above treads.
- Unisse indicated otherwise all headers are to be 4" x 12" D.F. #2.
- Double floor loiete under all parallel wall partitions.
- All required handralls are to be 36" high and constructed to withetend a horizontal force of 20 pounds per lineal foot, appli the top of the railing. Maximum spacing in handralls shall not
- 14. Provide an attic access of a t least 22" x 30".
- Open flame for furnace and water heater shall be 18" above floor level if they are to be located in the garage.
- 16. Provide combustion sir for furnace and water heaters required Combustion air intakes to be located within 6° of floor and ceiling. Provide 6° clearance between furnace and combustibles.
- 17. If home has an underfloor crawl area, provide 2 square fact of vent space
- Provide fire blocking at floor, ceiling, cover, and mid-height of walls over 10'-0" in height.
- 19. Provide 50 equare inches of fixed vents per car to outside air within 8" of

All external faccise chall be exarted. No butt joints or spaced boards will be allowed. All trim connections should be tight and fit flush against the

All exterior redwood decking le to be installed in a craftemanilke manner. Sand all mitered corners and exposed edges. Remove all sharp edges from

WOOD BASE: 5/6" X 514" PAINT GRADE CASING VE"X 314" PAINT GRADE

CLOSETS

- Shakes 3/4" plywood or particle board with glued-on solid edge or plastic ild. Solid pine shakes may be used as a substitute.
 Clothes Pole-Hardwood 1-5/8" diameter. Provide an intermediate support for spans longer than 4".
 Hook Ship 1"x 4" acts also as shalf support.

UNDERLAYMENT: Use 5/8" particle board under all resilient flooring except for elab areas. Nall 5" at edge 1/2" in and 6" in field each way.

DRYWALL:

Includes a complete gypeum board wall and calling inestallation as inclosted on the drawings. Wall board shall be EIS* recessed edge type board such as manufactured by U.S. Gypeum Co. or equal. Nails 5d-15 1/2 gauge, ownerst coasted, flathead, 15/9* long. Taping, "Ferfistaps" joint reinfording tape and cement as manufactured by U.S. Gypeum Co. Use EIS*, type"% one hour fire-rated gypeum board between garage and home where indicated on the drawings, and under etairways.

All Exterior corners to have metal edges. The best workmanship and construction practices are required. In the event the Drywall Contractor finds crooked walls or bad joints occurring in the trans structure then these should not be covered but brought to the attention of the CONTRACTOR so they may be fixed prior to covering with drywall. Special care must be taken to protect and preserve the finish wood curfaces. All doors and win to be trimmed flush with openings. All acrape to be hauled away within 5 days of hanging. Do not break jointe at plates in stairwells, header connections, or at plates on two story high walls. All receased little lights to have clean straight lines. Keep sheetrock within 3/16" of all rough in boxes.

THERMAL INSULATION:

FLOORS EXT. WALLS INT. WALLS

SHEET METAL:

(N) R-19 fiberglass balts (N) R-19 fiberglass balts (N) 3-1/2* fiberglass sound batts FLAT ROOF / DECK

(N) R-30 fiberglass batts (N) 5" thick (R-30 min.) SWD Quik-Shelld 112 Spray applied Polyurethane foam

Weather stripping: At all windows and doors, typical. <u>Special Notes:</u> Provide 5-1/2" sound insulation between floore and in wells around all bathrooms, all bedrooms and laundry room.

All sheet metal chall be 16 Oz. Copper unisse indicated otherwise on the drawings. Sheet metal work includes chimney saddless gutters, downspouts, fleshing, counter flashing and all other sheet metal not specifically a part of other trades. Fabrication and installation is accordance with the best

other traces. Factorized and inscription is accordance with the beat workmanehip etandards is required. Soldered jointe shall have continu-solder and be watertight. Free edges projecting from adjoining surface shall have metal bent on itself. Naile shall be copper. Downspoute shall be of round design unless noted otherwise. Offsete shall be fully addered. Connection to gutter shall be rigid and watertight. Fascia gutter to be straight with all intersection soldered. Do not use short pieces.

Provide vente to kitchen fane, both fane, gae ranges, gae heaters, and any other areas indicated on the drawings.

SPECIAL NOTES:

ROOFING:

SPECIAL NOTES:

TO BE OWNER APPRINCO

DOORS:

See drawings for size, location, and type of doors needed. Interior doors shall be 15/8" solid core flush type unless indicated otherwise. Provide 13/79" solid core door with self-closing lings between home and garage, Siding doors shall have tempered glasse panels with operable screen panel. Sizes as indicated on drawings. Pocket door frames to be Nordal or

SPECIAL NOTES:

TO BE OWNER APPRINGO

SPECIAL NOTES:

See drawings for size and location of fixed glass. All glazing shall be guaranteed water tight and any glass which leaks shall be re-glazzed. Size glass to meet minimum C. S. C. requirements.

SHOWER DOORS AND MIRRORS:

See drawings for size and location of shower doors and mirrors. Shower doors to have approved shatter-proof glass, Mirrors to be 1/4 " polished

SPECIAL NOTES:

provide stop Dromage for our custom

SHAVER DOORS & MIRRORS

HARDWARE:

owance of \$ 1500 is to be made for finish hardware. This is to include or knobe, cabinet handles, door, pulls, towal bare, paper holders, etc.

SPECIAL NOTES:

TO BE OWNER APPROVED

PAINTING:

MATERIALS: Paint materials shall be as manufactured by the Kelly-Moore Co. or an approved equal, unless otherwise noted.

WORKMANSHIP: No painting or finishing shall be done under conditions which jeoparaize the quality of the work. Surfaces to be finished shall be in proper condition to receive same. Each cost shall be applied at the proper consistency, free of runs, sage, brush marks, spattering, or any other evidence of poor worksmanship. Surfaces shall be sandad smooth. Nail holes and imperfections in the wood shall be filled with material of and unpersessors in the woods area or these with material or the came color as the finish. All items having factory finish will not be painted. All other surfaces shall be painted or finished whether specifically mentioned herein or not.

EXTERIOR SURFACES: Wood alding, trim, fascia, decks, beams, railings. treat with a semi-transparent or heavy body penetrating stain unless a otherwise. Exterior doors use two costs of exterior type spar varnish. Prime all galvanized metal and cost with exterior flat ename.

INTERIOR SURFACES: Natural woods use semi-transparent stain and eceler; Cabinete and wood doors to be sanded, stained, sealed, and lacquered. Drywall in kitchen and bath areas to be cealed and stippled. Other drywall areas to have one cost of interior flat latex wall finish. Special care should be taken to preserve natural woodwork. Work shall be nest, clean and accurate so so not to damage finish of natural wood surfaces. All surfaces not intended to have paint shall be left in clean

SPECIAL NOTES:

colors to the owner spanoso

THE

Tile shall be installed in accordance with the best methods and construction iller enhalter in accordance with the best interest and better practices. The are to be scaled before applying and joints are to be kept neat, symmetrical and all lines true and straight. Jointe and tile shall be thoroughly washed. Owner to select color.

SPECIAL NOTES: TO BE SWHER APPRIORED

FLOORING MATERIALS:

An allowance of \$\frac{75/6270}{\text{ls to be made for floor coverings. This is to include all resilient flooring, carpets, and wood floors used in the project. Ceramic tile floore are not included in this sllowance.

SPECIAL NOTES:

40 BE OMNER APPROVED

KITCHEN APPLIANCES:

Furnish and install the following: TO BE OWNER EMPROVED

PLUMBING:

The Flumbing Contractor shall design and install a complete plumbing system as indicated on the drawings. Pipes shall be sized adequately to accommodate the flutures served. The Flumbing Contractor shall make all necessary connections to utilities shown on pito plan and install all piping, etc. required. Stop valves should be at each fluture or appliance. Plumb system for fluture soft water system. Plumb for a least 4 exterior hose bids or more if the size of the house indicates. Froide plumbing for automatic dishwasher. Provide a pressure rollef valve at water heater. Provide a preseure reducer if water preseure exceeds 50 PSL

SPECIAL NOTES:

to be owner APPROXID

ELECTRICAL:

The Electrical Contractor will design his system for a complete and operating system. The drawings show only the location and type of outlete, lighting, including control switches. No extra charges will be paid for furnishing items not specified in the plane but required by the local electrical codes. Provide all coorbel as exanded item. Provide all racesseed, under counter, and soffit lighting if Indicated on plane.

ELECTRICAL FOTURES:

Provide an allowance of \$ 100/pert for fixtures not specified on plans and

HEATING SYSTEM:

This system to be designed and installed by the Contractor doing the installation. Type of system:

GAS-FIRED FAU W/ HIGH EFFICIENCY

FILTER (MINWITCE)

The CONTRACTOR and all sub-contractors shall guarantee and be responsible for and make good all defects due to faulte of labor or materials in the work included in the contract for one year following the completion

2. All aub-contractors will be responsible for damages caused by: poor workmanship, system fallures, breakage, or their employees' irresponsibilities that suce additional time and expense to the general contractor. Sub-contractors will be charged for such keme as they may

). If an adhesive is used so bond d

ssociates

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Architect

AIA

Michael Helm,

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2 28 PM S

APN APN

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TABLE 4.504.2

TABLE 4.504.

CURRENT JAMMARY 1, JULY 1, LISST 8018 2018 PRODUCT . 0.05 radium density fiberbose² 0.21 0.15

Values in this table on derived from those specified by the California Ai Resources Board, Air Toxics Courtel Measure for Composite Wood a locked in adoptimes with Airthal it 1772, infections: Toxical Infection in the California Infection Infe

EFFECTIVE EFFECTIVE 730 550

3.11.19 NITIS. MEH. 1902

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GENERAL

WERE KOTED, SPECIAL INSPECTION AND TESTING SHALL BE PROVIDED BY A GUALIFIED INDEPENDANT SPECIAL INSPECTION AND TESTING AGREVI. THE SPECIAL INSPECTION AND TESTING AGREV SHALL BE SPECICTED FROM THE BULLION DEPARTMENTS APPROVED RECOGNITION LIST. SITE VISTS BY GEORGE REPORT OF AND ASSOCIATES, STRUCTURAL ENGINEERS ARE NOT SPECIAL INSPECTIONS.

NO STRUCTURAL MEMBER SHALL BE CUT OR NOTCHED UNLESS SPECIFICALLY SHOWN, NOTED, OR AFFRONCED BY THE STRUCTURAL ENSINEER. ALL WORK SHALL COMPLY HITH THE 2016 CALIFORNIA ENUMBER OF AND ALL OF AND PORDINANCES.

CONTRACTOR SHALL SUBHIT COPIES OF TEST AND INSPECTION REPORTS TO THE ENGINEER AND BUILDING DEPARTMENT.

FOUNDATIONS

ALL GRADING AND SITE WORK SHALL BE DONE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT BY AMERICAN SOIL TESTING (ENGINEERING, FILE 994-7078-5, MAY 29, 2019

THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER'S OFFICE A HINMAN OF 46 HOURS PRIOR TO ALL FOOTNIG BOCAVATIONS TO BUSINES HAVE REPORT. THE ANTIDATION SOIL AND ROCK CONDITIONS ARE CONSISTENT MINI THOSE KOTEON IN THE SECTIONAL REPORT, THE GEOTECHNICAL ENGINEER IS TO BE RETAINED TO REVOLUE CORPORATION OF THE STIP PREPARATION AND RECOMPACTION, THE FOOTNIGS EXAMINATIONS, AND THE PLACEMENT AND COMPACTION OF THE ROSE ROOT OF THE PASSE ROOT.

THE GEOTECHNICAL ENGINEER SHALL PROVIDE A LETTER OF ACCEPTANCE FOR ALL FORMATION PREPARATION EACHFUL, COMPACTION FIG. PRIOR TO THE PLACEMENT OF ANY FORMATION CONCEPTED BY SHALL ALSO PEPERARE A PILLAL COMPRESENCE REPORT FOR E BUILDER OF SHALL ALSO PEPERARE A FIRST COMPACTION FOR THE SHALL PROVIDE AND THE PROVIDE OF THE SHALL PROVIDE AND THE PROVIDE OF THE PROVIDE O

THE CONTRACTOR SHALL DIRECTLY CONTACT THE SECTECHNICAL ENSINEER TO COORDINATE SITE VISITS, OBSERVATIONS, TESTS, ETC. THAT ARE REQUIRED BY THEIR OFFICE.

IF FILL IS REQUIRED, IT SHALL BE COMPACTED WITH OBSERVATION AND COMPACTION TESTING PERFORMED BY A REPRESENTATIVE OF THE GEOTECHNICAL BUSINERS. PROVIDE NON-EXPANSIVE FILL AND PERFORM READING IN ACCORDANCE WITH GEOTECHNICAL REQUIREMENTS.

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY SLOPES, IRBICHES, AND FOUNDATIONE BYCANATED AT THE STIE AND THE DESIGN OF ANY REQUIRED TEMPORARY SHORING. SHORING, BYCANIA, AND BENCHING SHALL BE PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH THE STRICTEST SOVERNING SAFETY STANDARDS.

ALL FILL AREAS INDER BUILDING AND PARKING AREAS SHALL BE COMPACTED TO MINIMUM 40% DENSITY AND CERTIFIED BY A SECTECANICAL INVENEER. PROVIDE NON-ENFANCINE FILL AND PERFORM SARDING IN ACCORDANCE WITH SECTECHNICAL REPORT.

DEEP EXCAVATIONS SHALL BE CUT AND SUPPORTED PER DIRECTION OF GEOTECANICAL ENGINEER DRILLED PIER NOLES SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER, INFO MILL DETERMINE THEIR FINAL DEPTH NOTIFY STRUCTURAL ENGINEER BEFORE SUCTEMING ANY INSPEX, ALL GROUND WATER SHALL BE REMOVED FROM THE PIER HOLES PRIOR TO PLACING CONCRETE.

FOOTING EXCAVATIONS SHALL BE OBSERVED BY THE PROJECT SECTECHNICAL ENGINEER PRIOR TO PLACING REINFORCING STEEL.

FOOTINGS SHALL NOT HAVE PLUMBING, CONDUT, OR OTHER PENETRATIONS WITHOUT THE PRIOR AFFRONAL BY GEORGE REPINIOUS AND ASSOCIATES, STRUCTURAL ENGINEER REPINIOUS AND ASSOCIATES, STRUCTURAL ENGINEER FOR FOOTING SPETLIMENT REPINIOUS AND ASSOCIATES, STRUCTURAL ENGINEERS,

DO NOT BACK FILL STEM WALL / PIERS OR REMOVE SHORING UNTIL 15% DESIGN STRENGTH HAS BEEN COTAINED.

FOOTINGS SHALL NOT BE EXPOSED AT THE LOWEST FINISH GRADE.

DIMENSIONS, UNLESS OTHERWISE SHOWN, ARE TO THE CENTER LINE OF COLUMNS AND BEAMS OR ROUGH CONCRETE SURFACES.

CONTRACTOR SHALL VERIEY, AND BE RESPONSIBLE FOR, ALL DIMENSIONS AND CONDITIONS ON THE JOB. NOTIFY THIS OFFICE OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAININGS PRIOR TO ANY CONSTRUCTION.

CONCRETE

CONCRETE WORK SHALL CONFORM TO ALL REGULARMENTS OF ACI 318-(LATEST EDITION), 'BUILDING CODE REGULARMENTS FOR STRUCTURAL CONCRETE", EXCEPT AS MODIFIED BELOW:

ALL CONCRETE SHALL BE REGULAR WEIGHT HARD ROCK, AND HAVE A MINIMUM 25-DAY COMPRESSIVE STREASTH OF 2500 PS). MAXIMM SUMP SHALL BE FOUR NOTES, USE TYPE II CEMENT PER ASTM CISO, MAXIMM, ASRREADE SIZE SHALL BE \$\frac{1}{2}, INCH. CONCRETE STRENGTH CHOSEN FOR QUALITY CONTROL ONLY, NO SPECIAL INSPECTION RESTD.

THE WATER / CEMENT RATIO FOR ALL CONCRETE POURED DIRECTLY ONTO THE VAPOR BARRIER SHALL BE 0.45

CONCRETE AND CONCRETE FOR SITE FLATMORK SHALL HAVE A MINIMUM OF 2500 PSI, 28-DAY COMPRESSIVE STRENGTH, SPECIAL INSPECTION IS NOT REQUIRED FOR CONCRETE OR SITE FLATMORK, UNLESS NOTED OTHERWISE.

PLACE CONCRETE IN LAYERS NOT EXCEEDING TO INCHES IN DEPTH, FREE FALL OF CONCRETE SHOULD NOT EXCEED 5 FEET IN MASSPOSED WORK NOR 5 PEET IN EXPOSED WORK, PLACE CONCRETE IN LEVEL. LIFTS THROUGHOUT FORM MORK RECEIVING THE MATERIAL.

ALL CONCRETE MORK SHALL BE CAST-IN-PLACE INLESS NOTED OTHERWISE, ALL FORMS SHALL BE THOROUGHLY MOISTENED BEFORE CONCRETE IS PLACED.

BEFORE DEPOSITING NEW CONCRETE ON OR AGAINST SET CONCRETE, CLEAN, SATURATE, AND SLUSH A COAT OF CONCRESIVE LIQUID ICOLLIPL BY MASTER BUILDERS OVER THE EXISTING CONCRETE, PER MAIN BEAUTIEPS INSTRUCTIONS.

CONSTRUCTION JOINT CONTACT SURFACES SHALL BE ROUGHENED TO X1.

OFERATE VIBRATORS ONLY MITH EXPERIENCED PERSONNEL, LIMIT DURATION OF VIBRATION TO THAT NECESSARY TO PRODUCE SATISFACTORY CONSOLIDATION MITHOUT CAUSING OBJECTIONABLE SEGREGATION DO NOT INSERT VIRRATOR, THIS LOVER COURSE THAT HAVE BEGIN TO SET, INDER NO CONDITION IS VIBRATOR TO BE PLACED AGAINST REINFORCING STEEL.

MINIMA ANCHOR BOLT IS 3/6" DIA. X IZ" # 46" O.C. MITH A MINIMA OF TWO BOLTS PER SILL PIECE, MITHA IX" OF EACH BOD, BUT NO CLOSER THAN 4" FROM EACH BOD. ANCHOR BOLTS LESS THAN 1-12" FROM SILL BODES SHALL BE REPLACED WITH BODY SET ANCHOR BOLT GOOD OF MINI, PROVIDE PL. 3" SOLINGE W/X HANGER WITH ALL ANCHOR BOLTS, ALL BOLTS 4 FLATES SHALL BE HOT DIP SALVANIZED, INNIMA MINIMA BOLTS BOLT BY BOTTONES SHALL BE HOT DIP

SET ALL POST BASES FLUSH WITH TOP OF CONCRETE

EXPANSION ANCHOR BOLTS AND POWER DRIVEN NAILS SHALL NOT BE INSTALLED UNTIL CONCRETE HAS REACHED DESIGN STRENGTH.

REINFORCING STEEL

PURNISH AND ERECT REINFORCING STEEL IN ACCORDANCE WITH THE ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES.

USE DEFORMED REINFORCED BAR PER ASTM A&IS. FOR #3 BAR AND SMALLER, USE GRADE 40. FOR #4 BAR AND LARGER, USE GRADE 60.

ALL REINFORCEMENT SHALL BE CONTINUOUS, STAGGER SPLICES IN ADJACENT BARS, CONTACT SPLICES SHALL LAP 40 DIAMETERS MINIMM.

HOLD REINFORGEMENT IN ITS TRUE HORIZONTAL AND / OR VERTICAL POSITION WITH DEVICES SUFFICIENT TO PREVENT DISPLACEMENT.

REINFORCING STEEL SHALL NOT BE WELDED, NO EXCEPTIONS.

SUPPORT HORIZONTAL STEEL AT BOTTOM OF POOTING ON MORTAR BLOCKS. MINIMAN 8-INCH CLEARANCE FOR SURFACES FOURDD AGAINST EARTH, 2° CLEARANCE AT FORMED SURFACES EXPOSED TO EARTH, AND MINIMAN 15 INCH UND.

48 M5T48 • 4x POST. LAP & NAIL TO POST BELOW W %" g/ RCD THROUGH FLOOR OR

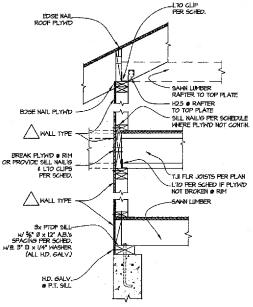
2 HDU2 @ 4x POST MIN., W/SSTB24 ANCHOR @ FND

HDU5 e 4x POST w/ %' Ø ROD THROUGH FLOOR OR 95TB24 ANCHOR e FND.

8 HOUR & 4x MIN. POST SEE PLANS, w/ SSTB28 ANCHOR & FND.

LOCATE HO'S AT ENDS OF SHEAR PANELS (21) & (319) EDGE HAIL SHEAR WALL PLYAND TO ALL POSTS (* HO'S HARDMOINT ANCHORS TO FORMHORK PRIOR TO CONCRETE POUR

HOLDOWN SCHEDULE



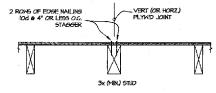
TYPICAL SHEAR TRANSFER DETAILS

ı	REFER TO SHEAR TRANSFER DETAILS										
	SHEAR WALL	PLYMD	EDGE	FIELD	SHEAR T	RANSFER	BLK'G g	ANCHOR			
	TYPE	TEIND	NAIL'G	NAIL'6	SILL NAIL	LTO CLIPS	FLOOR	BOLTS			
	A	K' CDX	lod e 6°	l0d ● l2*	l6d • 4*	16" O.C.	2×	%° ወ _ወ 48°			
	<u></u> 2*	∦ срх	lOd e 4°	lOd ⊕ 12°	l6d s 3°	12* O.C.	4x	%' Øe 32'			
ĺ	<u>^</u> 3*	K' CDX	IOd e 3*	l0d ⊕ l2*	(2) x 16d • 4"	q* 0.c.	4x	% øe 24°			
	A *	Æ" CDX	lOd • 2*	10d ● 12°	(2) x l6d • 4"	7" 0.6.	4x	%° Ø• l&'			

- BLOCK ALL EDGES OF PLYWD *- PROVIDE 34, (MIN) STUDS & BLK'S & ALL PLYMD BUTT JOINTS AS PER DETAIL 4

- DO NOT BREAK FLIND SKIN BY OVERDRIVING NAILS - FRE-DRILL AS REDD TO AVOID SPLITTING SILLS, ETC. - SHEAR TRANSFER BLOCKS & CLIPS MAY BE OMITED IF PLIND 8 SHEAR NAIL IS CONTINUOUS PAST FLOOR FRAMING AS A SUPEDRI MALLEY

5 SHEAR WALL SCHEDULE



PLYW'D JOINT DETAIL

ALL HOOD BOLT CONNECTIONS SHALL HAVE A WASHER UNLESS A STEEL PLATE IS SPECIFIED. NO COUNTERSINGING PERMITTED WITHOUT ENSINEER'S APPROVAL.

LIMBER SHALL CONFORM TO GRADING RILES OF WAPA, W.G.L.I.B. RILES \$17, OR OTHER FER C.B.C. 2803.I. MAXIMUM MOISTURE CONTENT SHALL NOT EXCEED 1986.

ALL FIELD CUTS AND DRILLED HOLES FOR EXPOSED MEMBERS SHALL BE TREATED IN ACCORDINGE WITH AMERICAN WOOD PRESERVERS ASSOCIATION AMPAINA.

LIMBER SHALL BE GRADE MARKED DOUBLAS FIR.

JOISTS, LEDGERS, FIRLINS, AND BEAMS
RAFTIES AND POSTS
STUDS, SILLS, 4 PLATES

NO.2 OR BETTER
NO.2 OR BETTER

ALL SILLS AND FRAMING MEMBERS IN CONTACT WITH CONCRETE SHALL BE PRESSURE-TREATED DOUGLAS FIR. THE PRESSURVATIVE TREATMENT UTILIZED SHALL BE PERFORMED IN ACCORDANCE HITH ARPA STANDARD (C-2)

THE MANUFACTURE AND FABRICATION OF ANY STRUCTURAL GLIED LAMINATED TIMBER SHALL BE UNDER THE SUPERVISION OF QUALIFIED PERSONNEL. PROVIDE APA-BNS CERTIFICATES TO THE APPLICABLE BUILDINGS INSPECTOR.

PROVIDE ALT.C. CERTIFICATE MITH ALL GLULAM BEAMS, PROVIDE NO CAMBER MITH GLULAM BEAMS INLESS NOTED OTHERWISE, PROVIDE (24F-V4) STRESS GRADE UNLESS NOTED OTHERWISE.

ALL HANGERS, ETC. SHALL BE ATTACHED DIRECTLY TO THE FRAMING MEMBERS. DO NOT NAIL HARDWARE OVER PLYMOOD OR SHIMS, UND.

OSB PANELS MAY BE USED IN LIEU OF PLYMOOD FOR GREEN POINTS OR ECONOMIC REASONS, ALL NOTES FOR PLYMOOD APPLY TO SUBSTITUTED OSB PANELS.

ALL PLYMOOD SHEATHING APPLIED TO WALLS, FLOORS, AND ℓ OR ROOPS SHALL HAVE A N_{ℓ} -INCH GAP BETWEEN ADJACENT SHEETS.

TYPICAL PLYNOOD NAILING. SET ALL HAIL GING TO AVOID BREAKING THE TOP PLYNOOD LAYER USE A HAMPER TO SEAT HAILS FLUSH TO THE PLYNOOD NAILS THAT BREAK THE SURPACE OF THE PLYNOOD ARE INJURCED FALLE HAD REGUINE SUPPLEMENTAL NAILS SHALL BE SEY WHIMM FROM THE PLYNOOD COOKS AND SHALL SE HISTALLED PROFEDUCLAR TO THE PLYNOOD SURPACE, NAILS LOCATED TOO COOKS TO A PAREL BOSE ARE UNACEPTABLE AND REGUINE SHETHERSTALL NAILS NAMEROUS NAILING VIOLATIONS WILL VOID THE SHEET AND REGUINE THE PAHEL TO BE REPLACED.

ROOF PLYWOOD SHALL BE OF THICKNESS AS PER PLAYS WITH A MIN, A.P.A, RATING OF 24 / \dot{o} U.K.O. MIN, NALING 15 TO BE IOU 4 6 $^{\circ}$ O.S., INTER*EDIATE FRAMING U.K.O. UNEXPERTED PLY EDGES SHALL BE SUPPORTED BY BLOCKING OR PLYMOOD CLIPS.

FLOCE AND DESCRIPANDOD SHALL BE \$% MITH A MIN A.P.A. PAITING OF 40 / 20, UND. HERRE NOTED ON THE PLANK DESCRIPAND SHALL HAVE A C.E. EXTRINGE EXPOSURE CAN MIN. CONTENSION SHALL BE USED. MIN. MALLING IS TO DE LOIG & 6" OC. EACH BOOK, BACH BOOK, BEET, AND LOIG & 10" OC. A.M. INTERMEDIATE PRAVIEW UND. UNSERPECTURE TAYLYOOD DESCRIPAND SHALL BE EITHER THIS OR SUPPORTED BY BLOCKING, FLOOR PLYHOOD SHALL BE GUEPT TO SUPPORTING JOSTS AND BLOCKING.

ALL ROOF AND FLOOR PLYWOOD SHALL BE APPLIED WITH THE FACE GRAIN ORIENTED PERFENDICULAR TO THE DIRECTION OF THE SUPPORTIVE FRAMING UNIO.

ALL FLOORS AND ROOPS SHALL BE CONSTRUCTED WITH PLYMCOOD SHEETS NOT LEGS THAN FOUR FEET BY BIGHT FEET, BACH PANEL, SHALL BE AT LEAST 24 ROAPS IN MOTH, THE ADJACENT SHEET MAY MAYET TO BE TRAMPED TO ACCOMMONATE THIS REQUIREMENT, PANELS LESS THAN 24 INCHES IN MOTH SHALL HAVE ALL EDGES SUPPORTED BY BITHER FRANING MEMBERS OR BLOCKING.

ALL ROOF OR FLOOR FRAMINS SHALL BE 3-INCH KOMINAL OR MIDTER AND HAILS SHALL BE STAGGERED WERE DIAPHRAPM NAILS ARE SPACED 2 INCHES, 2 ½ AND 3 INCHES ON CENTER AS PER TABLE 2306-210 OF THE 2016 C3/L.

THE EDGES OF ALL SHEAR WALL PLYMOOD PANELS SHALL BE BLOCKED WITH A HIMMM OF 2X MATERIAL EXCH PANEL SHALL BE AT LEAST 24 INCHES IN NIOTH -- THE ADJUCENT SHEET MAY HAVE TO BE TRIHMED TO ACCOMPOONE THIS REGULERENT, ALL SHEAR WALL PANEL EDGES SHALL BE BACKED WITH 5X MATERIAL WHERE DESIGNATED, PER C.B.C., TABLE 2306.3

PLINOOD SHEAR HALL HOLDOWN LOCATIONS: THE NEW HOLDOWN LOCATIONS SHOWN ON THE PLANS ARE APPROXIMENTE. THE HOLDOWNS AND HOLDOWN STIDS SHALL DE LOCATED AS CLOSE TO THE SHEAR HALL BODD AS POSSIBLE, UND. HOLDOWNS AND HOLDOWN STIDS SHALL NOT DE LOCATED GREATER THAN 12-INCHES FROM THE BID OF THE SHEAR WALL, UNIO.

ALL SOLID-SAWN RECTANGULAR LUMBER BEAMS, RAFTERS AND JOISTS SHALL BE SUPPORTED LATERALLY TO PREVENT ROTATION OR LATERALL DISPLACEMENT IN ACCORDANCE WITH N.D.S. 3.3.3 ROOF JOISTS OR RAFTERS OF MORE THAN 8-INCH DEPTH SHALL BE PROVIDED WITH BRIDGING EVERY TO FEET, BIRIDGING SHALL BE IN ACCORDANCE WITH N.D.S. 33.3

ALL BLOCKING SHALL BE FIRMLY ATTACHED TO THE SUPPORTING FRAMING WITH TOE NAILS OR FRAMING CLIPS.

USE COMMON NAILS. WHERE NOT SPECIFIED OTHERWISE, THE NAILING REQUIREMENTS OF CBC PERTAIN.

Use strong-tie metal connectors by simpson co, or approved equal provide nailing as per simpson co, specifications.

ALL FRAMING HARDWARE AND FASTIBLERS EXPOSED TO NEATHER OR AT PRESSURE TREATED LIMBER SHALL BE HOT-DIPPED GALVANIZED 2.0 02/5F, STAINLESG STEEL OR SILICON BRONZE

BOLT HOLES SHALL BE NOMINAL DIAMETER OF BOLT PLUS ING INCH. ALL, WOOD BOLT CONNECTIONS SHALL HAVE A WASHER UNLESS STEEL PLATE IS SPECIFIED, DO NOT COUNTERSING.

TYPICAL TOP PLATE SPLICE: MINIMUM LAP SHALL BE FOUR FEET LONG NAILED WITH 16d @ 4" O.C. UNLESS NOTED OTHERWISE,

PROVIDE DOUBLE JOIST UNDER ALL PARALLEL HALLS VINO.

FOR SHEAR WALL NAILING, ANCHOR BOLTS, AND SHEAR TRANSFER NAILING, SEE SHEAR HALL SCHEDULE.

MANIFACTURED MOOD PRODUCTS SUPPLIED BY (MEYERHARISER LEVEL (OR APPROVED EQUAL) SHALL BE "SILENT FLOOR SYSTEM" T. I. F. CALLOSTS, (J.E.E. I. I.SE) TH'OBERSTRAND LSL BEAMS, (J.E.E.) MICROLLAN LUT, AND (J.C.E.) FARALLAM PIS. IN THE PLANS, PROVIDE ALL BLOCKSINS, BRACINS, HES STIFFERES & FILLER SLOCKS & MEDS AS REQUIRED BY MANIFACTURER & BUILDING CODE FOR A COMPLETE STRICTURAL SYSTEM.

HOLDOWN -

(3) TYPICAL PHD @ CORNER

GUILAM BEAMS (24 F-V4) OF HIDTIS 3 ½" ¢ 5 ½" SHALL BE "X-BEAMS" AS SIPPLIED BY ROSBORD SPRINGFIELD, OR. PHONE: 1-868-523-2304, Info@rosboro.com OR APPROVED EQUAL

EPOXY CONNECTIONS (IF REQ'D)

USE "SIMPSOM" SET-VP EPOXY FOR ALL EPOXYSET THREADED ROOS, BOLTS, AND / OR REINFORCING BARS SET INTO CONCRETE EPOXY INJECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE MANAFACTURESP PROVIDED SETS PROVIDED SETALL INSPECTION, DIRTHS THE INSTALLATION OF THE ANCHORS, IN ACCORDANCE HITH SECTION ITOAA OF THE 2016 CBJC.

"SIMPSOM" SET ET, ETF, AND / OR ETR EPOXY SHALL NOT BE USED IN SUBSTITUTION FOR "SIMPSOM" SET-XP PROXY. THE USE OF "SIMPSOM" ET, ETF, AND / OR ETR EPOXY IS UNACCEPTABLE AND MILL BE REGULED.

OMISSIONS

CONTRACTOR SHALL FAMILIARIZE HIMSELF / HERSELF WITH ALL CONDITIONS OF THE PROJECT AND BE RESPONSIBLE FOR ALL WORK REQUIRED TO COMPLETE THE PROJECT EVEN IF NOT SPECIFICALLY DEPRINCIPED ON RANAMINES.

IN THE EVENT THAT CERTAIN FEATURES OF THE HORK ARE NOT FULLY SHOWN ON THE DRAWINGS OR CALLED FOR IN THE GENERAL NOTES, THEN THER COSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SMILLAR CONDITIONS THAT ARE SHOWN OR CALLED FOR

SPECIAL INSPECTIONS & TESTING

- SPECIAL GRADING, EXCAVATION, AND FILLING PERIODIC INGRECTION PER GEOTECHNICAL ENGINEER SUBGRADE TESTS COMPACTION TESTS
- 2. SHEAR WALL NAILIG:

NOTES

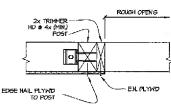
A SPECIAL INSPECTIONS DO NOT NEGATE THE C.B.C. REGURRENENTS
FOR THE APPLICABLE BUILDING DEPARTMENT INSPECTIONS.

B. REFER TO THE CHEENAL NOTES FOR MORE INFORMATION.

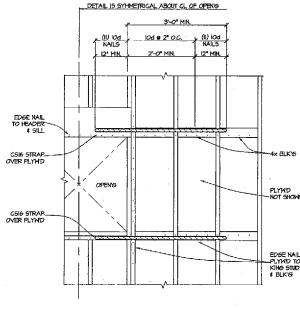
G. SITE WISTS BY G. RETNOLDS AND ASSOC, MILL ONLY BE CONSIDERED "SPECIAL INSPECTIONS"
NEN ALCHEO BY THE BUILDING DEPART, LINITED TO INSPECTIONS OF EFOXY SET ANCHORS AND
NALING OF PLYNOCD SHEAR WALLS! AND ARRANGED WITH THE OWNER ! CONTRACTOR PRIOR TO
THE SITE VISIT.

PROJECT DESIGN INFORMATION:

ROOF LIVE LOAD; FLOOR LIVE LOAD; ALLOWARLE SOIL BEAR'S CAPACITY; NO SEOTECH, REPORT WIND AND EARTHQUAKE DESIGN DATA FURSUANT TO 2016 CBC SECTIONS 1603.1.4 AND 1603.15 RISK CATEGORY SEISHIG IMPORTANCE PACTOR SITE CLASS



2 TYPICAL PHD @ OPEN'G



REINFORCED OPEN'G

G-REYNOL STRUCTURAL B

(2)

, CALIFORNIA REPLACEMENT HOME
MAIER RESIDENCE
APN 027-771-30
100 - 7th AVE., SANTA CRUZ, CALFORNI
GENERAL NOTES

DRAWING DATE BEPTEMBER 10, 2019

CONSTRUCTION RELEASE

REVISIONS

DISCLAIMER THE DATA SET FORTH ON THIS SHEET IT THE PROPERTY OF B. RETHOLDS 4 ASSE BIGGRESS. IT IS AN INSTRUMENT OF BENNESS AND MY NOT BE REPREDUCED. ALTERED, OR USED MITHOUT THE CONSE OF THE BENSELDS. THE PROPERT BLE. TRANS TRANSFER OF DATA SHALL BE THE USERS ARRESTANDED BY MATHER. E USER'S RESPONSIBILITY WITHOUT LIABILITY TO THE ENGINEER, NAUTHORIZED USE IS PROMETTED, PROJECT NO. 1917

