

Narayanan Residence

1556 PLATEAU AVE - LOS ALTOS - CALIFORNIA

PERMIT SUBMITTAL

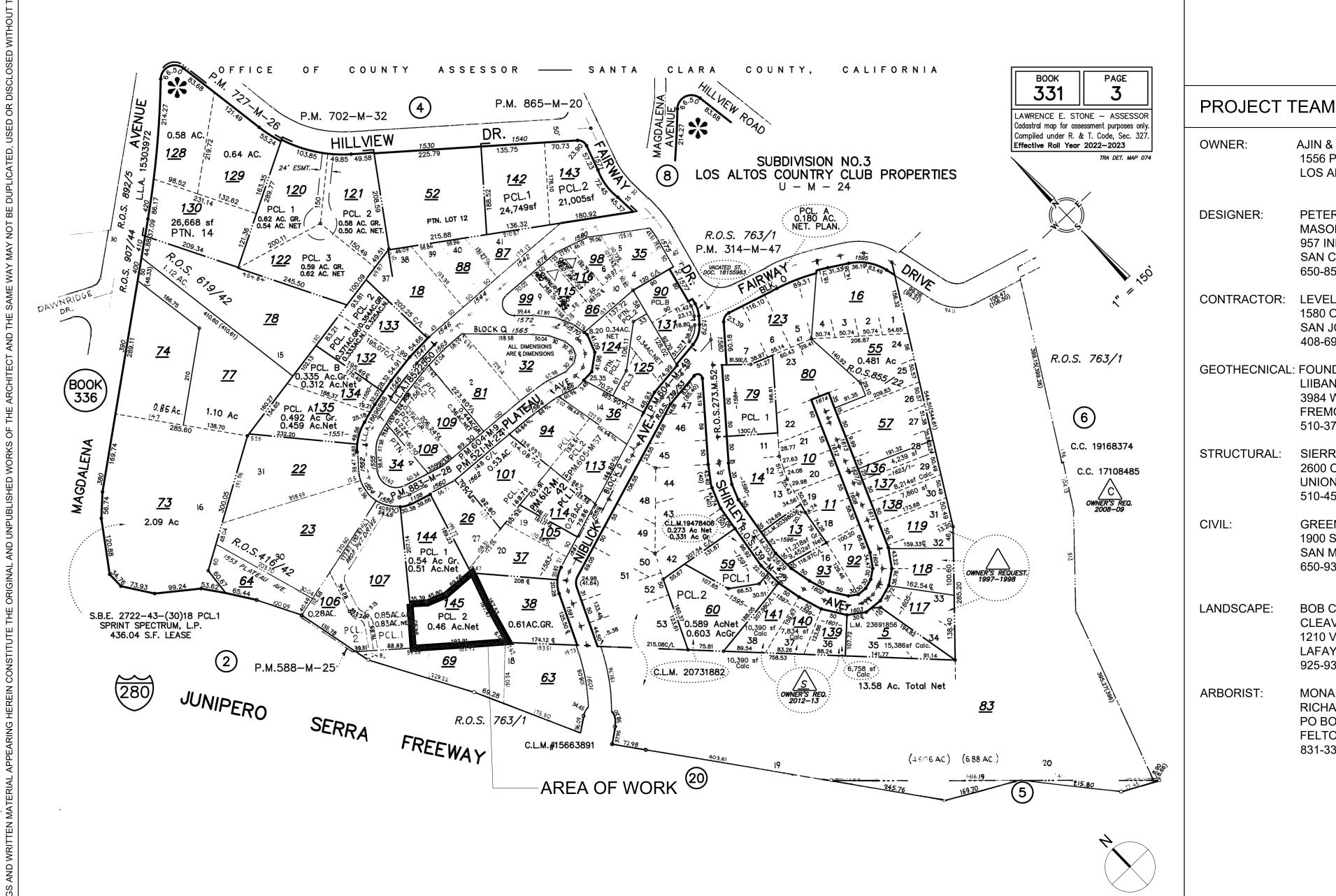
OCT 20, 2022



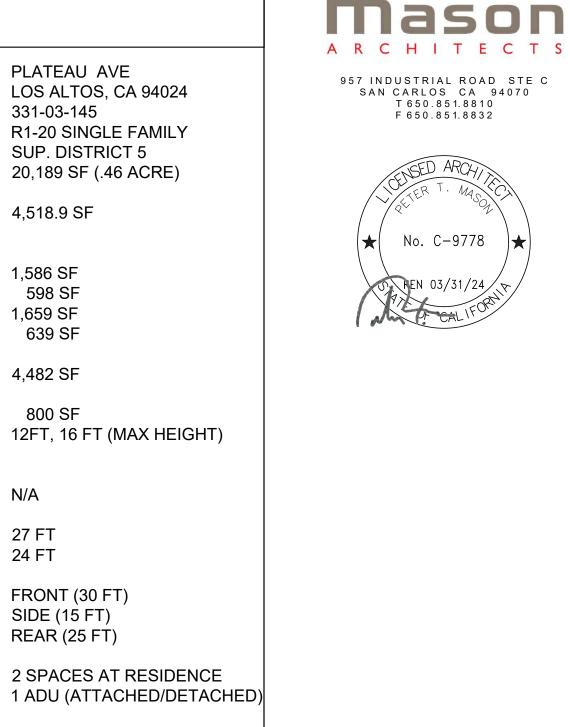
MAIN RESIDENCE & **GARAGE & ADU**

1556 Plateau Ave - Los Altos - California

PERMIT SUBMITTAL October 20, 2022



PROJECT DESCRIPTION ZONING THE PROPOSED PROJECT INCLUDES THE DESIGN OF NEW PROJECT ADDRESS: PLATEAU AVE MAIN RESIDENCE, GARAGE, AND ADU ON THE PROPERTY. LOS ALTOS, CA 94024 331-03-145 ZONED: R1-20 SINGLE FAMILY DISTRICT: SUP. DISTRICT 5 **NET LOT AREA:** 20,189 SF (.46 ACRE) TOTAL ALLOWABLE FLOOR AREA: 4,518.9 SF **GENERAL NOTES** PROPOSED FLOOR AREA: **GROSS LOWER LEVEL-HOUSE** 1,586 SF ALL WORK SHALL BE IN CONFORMANCE WITH THE 2019 CALIFORNIA GROSS MID LEVEL-GARAGE 598 SF BUILDING, MECHANICAL, PLUMBING, CALIFORNIA ENERGY AND 1,659 SF **GROSS MID LEVEL-HOUSE** CALIFORNIA ELECTRICAL CODES AS ADOPTED BY THE COUNTY OF **GROSS UPPER LEVEL- ADU** 639 SF SANTA CLARA. TOTAL GROSS FLOOR AREA 4,482 SF 2. ALL DIMENSIONS ARE FROM THE OUTSIDE FACE OF THE EXTERIOR SHEATHING PLYWOOD AND THE OUTSIDE FACE OF GYPSUM BOARD, MAX ADU SF: 800 SF UNLESS OTHERWISE NOTED. MAX ADU HEIGHT: 12FT, 16 FT (MAX HEIGHT) IN CASE OF ANY DISCREPANCY IN THE CONTRACT DOCUMENTS, CONSULT THE ARCHITECT BEFORE PROCEEDING. MAX LOT COVERAGE:* N/A 4. NO DIMENSIONS SHALL BE TAKEN BY SCALING FROM THE DRAWINGS. MAX BUILDING HEIGHT: 27 FT DETAILS TAKE PRECEDENCE OVER GENERAL SECTIONS OR FLOOR PLANS. IF DIMENSIONS MUST BE CLARIFIED, CONSULT THE PROPOSED HEIGHT: 24 FT ARCHITECT. SETBACKS: FRONT (30 FT) 5. VERIFY ALL DIMENSIONS ON THE JOB SITE PRIOR TO ORDERING OR SIDE (15 FT) MANUFACTURING. REAR (25 FT)



No. C-9778

CODE INFORMATION AJIN & DIVYA NARAYANAN 2019 CALIFORNIA RESIDENTIAL CODE

6. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND VERIFY

1210 VACATION DRIVE LAFAYETTE, CA 94549

RICHARD GESSNER

FELTON, CA 95018

MONARCH CONSULTING ARBORIST

925-934-6044

PO BOX 1010

831-331-8992

SITE PLAN

PARCEL MAP

SCALE: NTS

X - 01.DWG

DIMENSIONS PRIOR TO BID AND CONSTRUCTION.

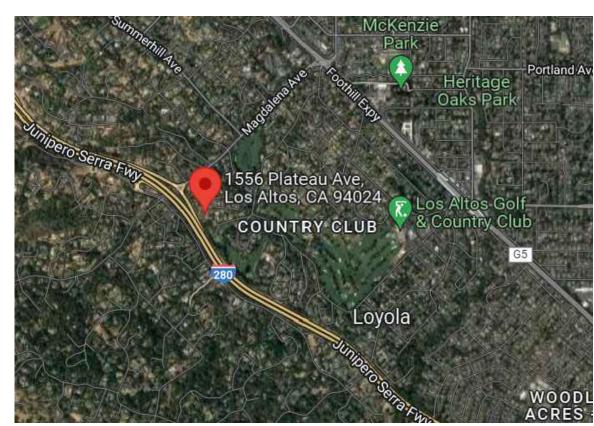
7. SPECIAL INSPECTION FORM IS REQUIRED

1556 PLATEAU AVE 2019 CALIFORNIA GREEN BUILDING CODE LOS ALTOS, CA 94024 2019 CALIFORNIA BUILDING CODE 2019 CALIFORNIA MECHANICAL CODE 2019 CALIFORNIA ELECTRICAL CODE PETER MASON 2019 CALIFORNIA FIRE CODE MASON ARCHITECTS 2019 CALIFORNIA PLUMBING CODE 957 INDUSTRIAL RD SUITE C 2019 CALIFORNIA GREEN STANDARDS CODE SAN CARLOS, CA

VICINITY MAP

PARKING REQUIREMENTS:

* PER 230-3 TABLE



Los Altos - CA Permit Submittal 10.20.2022

Narayanan

Residence

1556 Plateau Ave

AS NOTED 10.20.2022 14127

Project Site Info

A0.2

2019 CALIFORNIA ENERGY CODE 650-851-8810 OCCUPANCY: CONTRACTOR: LEVEL UP HOME REMODELING CONSTRUCTION TYPE: Type VB-Sprinklered 1580 OAKLAND RD SAN JOSE, CA 95131 408-692-7203 DEFERRED SUBMITTALS GEOTHECNICAL: FOUNDATION ENGINEERING CONSULTANTS LIIBAN AFFI NFPA FIRE SPRINKLER SYSTEM 3984 WASHINGTON AVE, #236 *SIZE OF WATER METER TO BE VERIFIED FREMONT, CA 94538 BY FIRE SPRINKLER CONTRACTOR 510-371-5019 2. SOLAR PHOTOVOLTAIC SYSTEM STRUCTURAL: SIERRA ENGINEERING GROUP *SOLAR FOR THE MAIN DWELLING WITH BATTERY 2600 CENTRAL AVE SUITE M, AND SOLAR WITH BATTERY TO BE UNDER A UNION CITY, CA 94587 SEPARATE PERMIT. 510-455-0550 x15 CIVIL: GREEN ENGINEERING / SURVEYOR 1900 S NORFOLK ST #350 SAN MATEO, CA 650-931-2514 LANDSCAPE: **BOB CLEAVER** CLEAVER DESIGN ASSOCIATES

ROOF NOTES ASPHALT SHINGLE ROOF - UL CLASS A , UL 790 FIRE RATED W/25 YEAR WARRANTY.

WHERE VALLEY FLASHING IS INSTALLED, THE FLASHING SHALL BE 22GA. GALVANIZED SHEET CORROSION-RESISTANT METAL INSTALLED NOT LESS THEN ONE LAYER OF MIN 72-POUND MINERAL-SURFACE NON-PERFORATED CAP SHEET, AT 36 INCH WIDE RUNNING FULL LENGTH OF THE VALLEY. AND SIDEWALL COUNTER FLASHING AT ALL VALLEYS AND VERTICAL WALL / ROOF CRC R3327.5.3

WHERE THE ROOF PROFILE ALLOWS A SPACE BETWEEN THE ROOF COVERING AND ROOF DECKING. THE SPACE SHALL BE CONSTRUCTED TO PREVENT THE INTRUSION OF FLAMES AND EMBERS, BE FIRE STOPPED WITH APPROVED MATERIALS OR HAVE ONE LAYER OF MINIMUM 72 POUNDS MINERAL-SURFACED NON-PERFORATED CAP SHEET INSTALLED OVER THE COMBUSTIBLE DECKING PER CRC R327.5.3.

ALL ROOF GUTTERS SHALL BE PROVIDED WITH DEBRIS SCREENS PER CRC R327.5.4.

THE EXPOSED ROOF DECK ON THE UNDERSIDE OF ENCLOSED ROOF EAVES SHALL CONSIST OF NON COMBUSTIBLE MATERIAL PER CRC R327.7.4

. EPDM ROOFING TO BE CLASS A. UL 790 W MIN 3" SECURESHIELD POLYISO INSUL WITH RIVER ROCK BALLAST

MECH NOTES

EXHAUST DUCT TERMINATION IS AS FOLLOWS PER CMC 502.2: 3 FEET FROM A PROPERTY LINE, 10 FEET FROM A FORCED AIR INLET, AND 3 FEET FROM OPENINGS INTO BUILDING.

EXHAUST DUCT SHALL NOT DISCHARGE ONTO PUBLIC WAY. CMC 502.2. UNLESS OTHERWISE PERMITTED OR REQUIRED BY THE DRYER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND APPROVED BY THE CITY DOMESTIC DYER MOISTER EXHAUST DUCTS SHALL NOT EXCEED A TOTAL COMBINED HORIZONTAL AND VERTICAL LENGTH OF 14 FEET, INCLUDING TWO 90-DEGREE ELBOWS. TWO FEET SHALL BE DEDUCTED FOR EACH 90-DEGREE ELBOW IN EXCESS OF TWO. CMC

CLOTHES DRYER EXHAUST DUCTS SHALL TERMINATE ON THE OUTSIDE OF THE BUILDING AND EQUIPPED WITH A BACK-DRAFT DAMPER. CMC 504.4

A DUCTED RESIDENTIAL EXHAUST HOOD IS REQUIRED AT OVEN/ COOKTOP. A METAL, SMOOTH INTERIOR SURFACE DUCT REQUIRED ON VENT HOOD OR DOWN DRAFT EXHAUST VENT. ALUMINUM FLEX DUCT NOT APPROVED. PROVIDE BACK DRAFT DAMPER (CMC 504.3). MINIMUM 30" VERTICAL CLEARANCE TO COMBUSTIBLES FROM COOK TOP SURFACE. REDUCTION OF CLEARANCE TO 24" IS PERMITTED BY METHODS LISTED IN THE CALIFORNIA MECHANICAL CODE. (CMC 920.3.2) KITCHEN LOCAL EXHAUST VENTILATION REQUIRES A MINIMUM RATE OF 100cfm MEETING THE REQUIREMENTS OF ASHRAE 62.2.

TANKLESS WATER HEATER TO BE ELECTRIC. ENSURE WORKING CLEARANCES FOR THE TANKLESS WATER HEATER ARE MAINTAINED ACCORDING TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

DESIGN BUILD CONTRACTOR TO MODIFY EXISTING HVAC SYSTEM DESIGN FOR THE REMODELED AREA.

INSTALL OUTSIDE AIR AS REQUIRED BY CODE. INSTALL DIGITAL THERMOSTAT AT MASTER BEDROOM DOOR- 54" AFF.

. DUCTS AND PLENUM SHALL BE GALVANIZED SHEET METAL 30 GA FOR 14" DUCT OR LESS AND 28 GA FOR LARGER DUCTS. ALL JOINTS ARE TO BE SECURED WITH 3 SHEET METAL SCREWS AND TAPED. NON METALIC DUCTS MAY BE USED IF APPROVED AND LABELED BY ASHEA. ALL DUCTS SHALL BE INSULATED (R6) AND SHALL CONFIRM TO THE PROVISIONS OF THE UNIFORM MECHANICAL CODE.

RETURN AIR DUCT SHALL BE 2 SQ INCHES PER 1000 BTU/H.

0.BATHROOMS TO HAVE AN EXHAUST FAN WITH A MINIMUM OF 5 MINUTE AIR EXCHANGE CYCLE (200 CFM). EXHAUST AIR DUCTS BE PROVIDED WITH BACKDRAFT DAMPERS, TO PREVENT AIR LEAKAGE. TERMINATION POINT OF FAN TO BE MIN 36" FROM ANY OPENING.

PLAN NOTES

ALL WORK SHALL BE IN CONFORMANCE WITH

ALL DIMENSIONS ARE FROM THE OUTSIDE FACE

2019 CALIFORNIA BUILDING, MECHANICAL,

OF THE EXTERIOR SHEATHING FACE AND

OUTSIDE FACE OF GYPSUM BOARD, U.O.N.

REFER TO SHEET A4.1 FOR WINDOW SIZES,

REFER TO SHEET A4.2 FOR DOOR TYPE.

DESCRIPTIONS, AND ADDITIONAL INFORMATION

DESCRIPTIONS, AND ADDITIONAL INFORMATION

EXTERIOR MATERIALS SHALL CONFORM WITH

ALL (N) EXTERIOR WALLS TO BE 2X6 WOOD

ALL INTERIOR PLUMBING WALLS TO BE 2X6

MAXIMUM ELEVATION CHANGE OF 7.75" AT

THRESHOLD OF DOORS THAT OPEN TO THE

INTERIOR DOORS 4" FROM HINGE SIDE WALL

10. REFER TO A9.1-A9.3B FOR TYPICAL INTERIOR

1. THE EXTERIOR WALL COVERING AND WALL

2. THE EXTERIOR WALL COVERINGS SHALL

WALL TYPE NOTES

CONCRETE WALL - NEW

EXTERIOR WALL - NEW:

O/ PLYWD SHEATHING (S.S.D.)

TYPICAL INTERIOR WALL - NEW:

1 HR. RATED INTERIOR PARTITION:

RAILING NOTES

& R311.7.8.1.

EXTERIOR SURFACE:

INTERIOR SURFACE:

REQ'D.

EXTEND FROM THE TOP OF FOUNDATION TO ROOF, TERMINATE AT 2" NOMINAL SOLID WOOD BLOCKING

BETWEEN RAFTERS AT ALL ROOF OVERHANGS, OR ENCLOSED EAVES, TERMINATE AT ENCLOSURE PER

MIN 2x6 WD STUDS @ MAX 16" O.C. (S.S.D.); PROVIDE

INSULATION PER TITLE 24 CALCS & NOTES.

[AS NOTED], O/ WEATHER RESISTANT BARRIER,

5/8" GYP BD U.O.N., ATTACH W/ DRYWALL SCREWS;

PROVIDE 2X6 WD STUD FRAMING AL ALL PLUMBING

WALLS. 2X4 FRAMING AT ALL OTHER WALLS U.O.N

WIDTH AS SHOWN; 5/8" TYPE "X" GYP BD BOTH

SIDES; PROVIDE SHEAR PLY WD PER STRUCTURAL.

REQUIRED GUARDS AT OPEN-SIDED WALKING

THE ADJACENT WALKING SURFACE. REQUIRED GUARDS SHALL NOT HAVE OPENINGS THAT

HANDRAIL HEIGHT SHALL BE NOT LESS THEN 34

INCHES (864 MM) AND NOT MORE THEN 38

INCHES (965 MM), W/ CONT. HANDRAIL AT MIN

TYPE II GRASPABLE PORTION PER CRC R311.7.7

34" AND MAX 38" ABOVE TREAD NOSING, W/

SURFACES, SHALL BE NOT LESS THAN 42" IN

HEIGHT AS MEASURED VERTICALLY ABOVE

ALLOW PASSAGE OF A SPHERE OF 4" IN

DIAMETER. CRC R312.1.2, CRC R312.1.3

STAGGER ALL JOINTS; PROVIDE SOLID BLOCKING AS

ASSEMBLY TO BE NON-COMBUSTIBLE AS PER THE

WOOD STUDS AT 24" O.C. U.O.N. AND

WHERE NO DIMENSION IS SHOWN, SET

PLUMBING, CALIFORNA ENERGY AND

ELECTRICAL CODES ADOPTED BY

SANTA CLARA COUNTY.

SANTA CLARA COUNTY.

STUDS AT 16" O.C. U.O.N.

ACOUSTICAL BATT INSUL

OUTSIDE OF THE HOUSE.

DETAILS

CRC R337.7.3

CRC R337.7.3.2

NOTIFY ARCHITECTS IF CONFLICTS OCCUR BETWEEN ARCHITECT'S RCP AND MECHANICAL, ELECTRICAL, PLUMBING, LIGHTING, INTERIOR AND OR FIRE PROTECTION SYSTEM DRAWINGS

RCP NOTES

CEILING HEIGHTS NOT SHOWN SHALL BE REVIEWED WITH THE ARCHITECT PRIOR TO FRAMING CEILINGS. CEILING HEIGHTS ARE NOT TO BE ADJUSTED WITHOUT APPROVAL OF THE ARCHITECT.

ALL CEILING DEVICES, LIGHTS, HVAC, SPRINKLERS, SMOKE DETECTORS, ETC TO CENTER AND ALIGN OTHER FIXTURES, U.O.N

BATHROOM/ LAUNDRY/ GARAGE/ MUD ROOM/ STORAGE AREAS- ALL LIGHTING TO BE HIGH EFFICACY WITH ELECTRONIC BALLAST

ALL OTHER PERMANENTLY INSTALLED INTERIOR LIGHTING - TO BE HIGH EFFICACYWITH ELECTRONIC BALLSATS

EXTERIOR LIGHTING - ALL LIGHTING TO BE HIGH EFFICACY WITH ELECTRONIC BALLAST AND UL LISTED FOR EXTERIOR AREA INSTALLATION.

TUB/ SHOWER LIGHTING- UL LISTED FOR DAMP PROOF RECESSED LIGHT FIXTURE INSTALLATION

ALL SMOKE/ CARBON MONOXIDE DETECTORS SHALL BE HARDWIRED, WITH BATTERY BACKUP, AND INTERCONNECTED, PER CRC R314.4 AND

THE EXPOSED UNDERSIDE IF THE EXTERIOR PORCH CEILING SHALL BE PROTECTED BY NONCOMBUSTIBLE MATERIAL PER CRC R327.7.6

ELECTRICAL LEGEND

UC.1 UNDER COUNTER LED LIGHT

RC.1 ☐ SQ DOWNLIGHT (HALO)

RC.2 SQ GIMBAL DOWNLIGHT (HALO)

RC.3 o 3" DOWNLIGHT (HALO)

4" DOWNLIGHT ("A" DENOTES WET LOCATION)

RC.5 ♦ 3" GIMBAL DOWNLIGHT

TRACK CEILING MOUNT

SURFACE CEILING MOUNT

D.X PENDANT LIGHT/ CHANDELIER

D.X OH WALL SCONCE

D.X Q ADJUSTABLE ARM WALL SCONCE

D.X (STEP LIGHT

SMOKE DETECTOR/ CARBON SD/CO MONOXIDE DETECTOR (NEST PROTECT)

BATHROOM EXHAUST FAN

+9'-0" | CEILING HEIGHT

OB.1 CEILING MOUNTED FLUORESCENT SWITCH - LUTRON(D-DIMMER, 3-3 WAY)

DUPLEX OUTLET(GFCI AS NOTED)

 \bigoplus QUAD OUTLET

> FLOOR OUTLET TELEPHONE/DATA OUTLET

CO AX OUTLET WATER

WATER/GAS VALVE (AS NOTED)

EXTERIOR LIGHTING

X1 - EXTERIOR LED WALL SCONCE - BLACK

X2 EXTERIOR LED WALL SCONCE - BLACK

X3

EXTERIOR MINI LED STEP LIGHT
- BRONZE

X4 EXTERIOR LED WALL SCONCE - BLACK

X5 EXTERIOR LED WALL SCONCE - BLACK X6 EXTERIOR LED WALL SCONCE - BLACK

X7 O EXTERIOR RECESSED LED DOWN LIGHT

EXTERIOR LED STRIP DOWN LIGHT

- WALL WASH

B3 EXTERIOR LED PATH DOWN LIGHT B4 — EXTERIOR LED STRIP DOWN LIGHT

DRAV	VING INDEX											
Sheet No.	Sheet Title	PERMIT SUBMITTAL	October 20, 2022				Sheet No.	Sheet Title		PERMIT SUBMITTAL	October 20, 2022	
LANDSCAP	 E						ARCHITECT	 ΓURE				
L-001	LANDSCAPE COVER SHEET	,	X				A0.0	COVER SHEET		Х		
L-101	LANDSCAPE PLAN		X				A0.2	PROJECT SITE INFO		Х		\perp
L-102	HYDROZONE PLAN		X .				A0.3	SHEET INDEX		Х	_	
L-103	IRRIGATION PLAN		χ				A0.4	GENERAL NOTES		X		+
L-501	IRRIGATION DETAILS		X				A0.5	TITLE 24		X		+
					+		A0.6 A1.0	TITLE 24 SITE PLAN EXISTING/ DEMO		X	_	+ +
							A1.0 A1.1	OVERALL SITE PLAN		X		+
							A1.2	PROPOSED SITE PLAN		$\frac{x}{x}$		
							A1.3	EXTERIOR LIGHTING SPEC		X		+ +
							A2.1	FLOOR PLAN LOWER LEVEL		Х		
							A2.2	FLOOR PLAN MID LEVEL		Х	_	
							A2.3	FLOOR PLAN UPPER LEVEL		Х		
							A2.4	FLOOR PLAN ROOF		Х		
I ANDSCAP	E: TOTAL DRAWINGS		5 0	1.	0	0	A3.1	RCP LOWER LEVEL		Х		
							A3.2	RCP MID LEVEL		Х		
	1		ı				A3.3	RCP UPPER LEVEL		Х		
							A4.1	WINDOW TYPES		X	_	
							A4.2	DOOR TYPES		Х	_	++
							A4.3	SCHEDULES		Х		
							A5.0	RENDERINGS		X		
							A5.1	ELEVATION SOUTH		X		
							A5.2	ELEVATION NORTH		X		
							A5.3	ELEVATION EAST & WEST		X		+ +
							A6.1	BUILDING SECTIONS		X		+
							A6.2 A6.10	BUILDING SECTIONS WALL SECTIONS		X		+
							A6.11	WALL SECTIONS WALL SECTIONS		X		+
							A6.12	WALL SECTIONS		$\frac{\lambda}{x}$		+ +
							A7.2	STAIR DETAILS		X		
							A8.1	EXTERIOR DETAILS		Х	_	
							A8.2	EXTERIOR DETAILS		Х		
							A8.4	ROOF DETAILS		Х		
							A9.0	EXTERIOR MATERIAL		Х		
							A9.1	INTERIOR DOOR DETAILS		Х		
							A9.3	BATH DETAILS		Х		$\bot \bot \bot$
							A9.4	BATH DETAILS		х		\bot
							E3.1	ELECTRICAL RCP LOWER LEVEL		Х	_	+
]							E3.2	ELECTRICAL RCP MID LEVEL		X		+
							E3.3	ELECTRICAL RCP UPPER LEVEL		X		+
							CG-1	CAL GREEN		X	_	++
1							CG-2	CAL GREEN		X		+
I							CG-3	CAL GREEN	l	X		
							CG-4	CAL GREEN		Х		

ARCHITECTURAL: TOTAL DRAWINGS 44 | 0 | 0 | 0 Sheet No. | Sheet Title STRUCTURAL

MATERIAL SPECIFICATIONS MATERIAL SPECIFICATIONS GENERAL NOTES TYPICAL DETAILS TYPICAL DETAILS TYPICAL DETAILS FOUNDATION PLAN MID LEVEL FRAMING PLANS UPPER LEVEL FRAMING PLAN UPPER ROOF FRAMING PLAN FOUNDATION DETAILS FRAMING DETAILS DETAILS STRUCTURAL: TOTAL DRAWINGS

Sheet No. | Sheet Title COVER SHEET GRADING & DRAINAGE PLAN GRADING & DRAINAGE PLAN- DRIVEWAY IMPROVEMENT PLAN UTILITY- DRIVEWAY IMPROVEMENT PLAN UTILITY PLAN EROSION CONTROL PLAN TRAFFIC CONTROL PLAN DETAIL SHEET 1 **DETAIL SHEET 2** DETAIL SHEET 3 DETAIL SHEET 4 BEST MANAGEMENT PRACTICES AND EROSION CONTROL DE BEST MANAGEMENT PRACTICES AND EROSION CONTROL DE TOPO SURVEY MAP AND SLOPE CALCS

CIVIL: TOTAL DRAWINGS

Narayanan Residence 1556 Plateau Ave

ARCHITECTS

957 INDUSTRIAL ROAD STE C

SAN CARLOS CA 94070

F 650.851.8832

No. C-9778

Los Altos - CA

Permit Submittal 10.20.2022 AS NOTED 10.20.2022

Sheet Index

14127

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- 2. AUTOMATIC IRRIGATION SYSTEMS CONTROLLERS INSTALLED AT THE TIME OF FINAL INSPECTION SHALL BE WEATHER BASED (4.304.1)
- PROTECT ANNULAR SPACES AROUND PIPES, ELECTRIC CABLES, CONDUITS AT EXTERIOR WALLS AGAINST THE PASSAGE OF RODENTS (4.406.1)
- COVER DUCT OPENINGS AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS DURING CONSTRUCTION (4.504.1)
- 5. ADHESIVES, SEALANTS AND CAULKS SHALL BE COMPLIANT WITH VOC AND OTHER TOXIC COMPOUND LIMITS (4.504.2.1)
- 6. PAINTS, STAINS AND OTHER COATINGS SHALL BE COMPLIANT WITH VOC LIMITS (4.504.2.2)
- AEROSOL PAINTS AND COATINGS SHALL BE COMPLIANT WITH PRODUCT WEIGHTED MIR LIMITS FOR ROC AND OTHER TOXIC COMPOUNDS (4.504.2.3) VERIFICATION OF COMPLIANCE SHALL BE PROVIDED
- CARPET AND CARPET SYSTEMS SHALL BE COMPLIANT WITH VOC LIMITS (4.504.3)
- MINIMUM 80 % OF FLOOR AREA RECEIVING RESILIENT FLOORING SHALL COMPLY WITH SECTION 4.504.4.
- 10. PARTICLEBOARD, MEDIUM DENSITY FIBERBOARD (MDF) AND HARDWOOD PLYWOOD USED IN INTERIOR FINISH SYSTEMS SHALL COMPLY WITH LOW FORMALDEHYDE EMISSION STANDARDS. 4.504.5
- 11. INSTALL CAPILLARY BREAK AND VAPOR RETARDER AT SLAB ON GRADE FOUNDATIONS (4.505.2)
- CHECK MOISTURE CONTENT OF BUILDING MATERIALS USED IN WALL AND FLOOR FRAMING BEFORE ENCLOSURE (4.505.3).
- 13. EACH BATHROOM SHALL BE MECHANICALLY VENTILATED WITH AN ENERGY STAR EXHAUST FAN, AND FAN MUST BE CONTROLLED BY A HUMIDITY CONTROL (4.506.1)

FIRE DEPARTMENT NOTES

- MUST COMPLY TO WDS ORDINANCE 2009-544 FOR IGNITION RESISTANT CONSTRUCTION & MATERIALS, (ALL WOOD SIDING MUST BE LISTED ON CALIFORNIA STATE FIRE MARSHAL WEBSITE AS TESTED & APPROVED IGNITION RESISTANT MATERIALS. FOUNDATION, ATTIC, GABLE, SOFFIT AND EAVE VENTS MUST BE BRANDGUARD OR VULCAN TYPE. WINDOWS TO BE TEMPERED. ROOF TO BE CLASS A.
- ADDRESS CLEARLY POSTED AND VISIBLE FROM STREET W/ MINIMUM OF 4" REFLECTIVE NUMBERS ON CONTRASTING BACKGROUND.
- 3. APPROVED SPARK ARRESTOR ON ALL CHIMNEYS INCLUDING
- INSTALL SMOKE AND CO DETECTORS PER CODE.
- 5. NFPA 13D FIRE SPRINKLER SYSTEM TO BE INSTALLED IN RESIDENCE
- 100' DEFENSIBLE SPACE AROUND PROPOSED NEW STRUCTURE PRIOR TO START OF CONSTRUCTION.
- UPON FINAL INSPECTION 50' PERIMETER DEFENSIBLE SPACE WILL NEED TO BE COMPLETED.
- VEGETATION ALONG DRIVEWAY MUST HAVE A 13'-6" VERTICAL CLEARANCE AND A 12'-18' MINIMUM WIDTH CLEARANCE.

DEFENSIBLE SPACE MUST BE IN COMPLIANCE AT TIME OF FINAL

- INSPECTION. 10. DRIVEWAY GRADES OVER 15% NEED TO BE ROUGH BRUSHED
- CONCRETE. NO GRADES OVER 20%.
- 11. MUST BE INSPECTED BY A FIRE INSPECTOR UPON COMPLETION.

GEOTECHNICAL NOTES

THE GEOTECHNICAL ASPECTS OF CONSTRUCTION, INCLUDING TEMPORARY SHORING INSTALLATION, SITE GRADING, MAT SLAB EXCAVATIONS, DRILLED PIER EXCAVATIONS, INSTALLTION OF RETAINING WALL BACKDRAINS AND BACKFILL, PREPARATION OF SUB-GRADE BENEATH FLATWORK, AND INSTALLTION OF SURFACE DRAINAGE CONTROL SYSTEMS SHOULD BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT PREPARED BY FOUNDATION ENGINEERING CONSULTANTS, INC DATED XXXXXXXX. FOUNDATION ENGINEERING CONSULTANTS, INC SHOULD BE PROVIDED AT LEAST 48 HOURS ADVANCE NOTIFICATION (510-371-5019) OF ANY GEOTECHNICAL ASPECTS OF THE CONSTRUCTION AND SHOULD BE PRESENT TO OBSERVE AND TEST THE EARTHWORK, FOUNDATION, AND DRAINAGE INSTILLATION PHASES OF THE PROJECT.

THERMAL / MOISTURE PROTECTION NOTES

A. JOIST, RAFTERS, LESS THAN 4" TH - #2 OR BETTER, UON.

C. EXTERIOR WALLS (2x6) - R21 BACKED BATT. INSUL.

- B. EXTERIOR WALLS (2x4) R13 BACKED BATT. INSUL.
- D. EXTERIOR WALLS (2x8) 2 LAYERS R13 BACKED BATT. INSUL E. EXTERIOR WALLS (8" MET STUD)-2 LAYERS R13 BACKED BATT.
- F. EXTERIOR CEILINGS (2x12) R38 CLOSED CELL SPRAY APPLIED
- INSUL. G. FLOORS OVER UNOCCUPIED SPACE - R19 BACKED BATT. INSUL. H. RETAINING WALLS TO OCCUPIED SPACE - R11 FOAM INSUL.
- 2. EXTERIOR WALL TO HAVE ONE LAYER TYVEK PRIOR TO SIDING WITH WOOD SIDING.
- ALL EXTERIOR PENETRATIONS, ELECTRICAL BOXES, HOSE BIBS, WINDOWS, DOOR, VENTS, ETC TO BE CAULKED AROUND PRIOR TO INSTALLATION OF SHINGLES OR SIDING.
- 4. INSTALL CERTAINTEED "MemBrain" VAPOR RETARDER SHEETING TO BOTTOM OF ALL ROOF JOISTS, INTERIOR SIDE OF ALL EXTERIOR WALL STUDS.

ROOFING NOTES

- 1. ASPHALT SHINGLE ROOF UL CLASS A, UL 790 FIRE RATED W/ 30 SATURATED FELT UNDERLAYMENT W/25 YEAR WARRANTY.
- 2. FORWARD SOLAR ROOF PANELS- UL CLASS A FIRE RATED (UL 790)
- 3. WHERE VALLEY FLASHING IS INSTALLED, THE FLASHING SHALL BE 22GA, GALVANIZED SHEET CORROSION-RESISTANT METAL INSTALLED NOT LESS THEN ONE LAYER OF MIN 72-POUND MINERAL-SURFACE NON-PERFORATED CAP SHEET, AT 36 INCH WIDE RUNNING FULL LENGTH OF THE VALLY.

AND SIDEWALL COUNTER FLASHING AT ALL VALLEYS AND VERTICAL WALL / ROOF CRC R3327.5.3

- 4. SINGLE PLY ROOFING BY FIBERLITE, FIBERLITE -XT CLASS A ROOFING SYSTEM WITH RIVER ROCK BALLAST.
- 5. PROVIDE RIDGE AND EAVE VENTS COMPLYING WITH ROOF VENTILATION REQUIREMENTS OF THE 2019 CALIFORNIA BUILDING CODE. CRC R337.5.3 OR COMPLY WITH R806.5 FOR UN VENTED ASSEMBLIES.

FIREPLACE NOTES

- FIREPLACES SHALL BE DIRECT-VENT, SEALED-COMBUSTION; TO BE INSTALLED PER MANUFACTURERS REQUIREMENTS. PROVIDE 110V OUTLET AND ON/OFF WALL SWITCH.
- 2. PROVIDE 1/2" GASLINE TO FIREPLACES
- 3. SPARK MODERN FIRES: FIRE RIBBON DIRECT VENT OR EQUAL, NATURAL GA: 19,000-28,000 BTU - FINAL SELECTION TBD.

- 1. PER CALIFORNIA CIVIL CODE ARTICLE 1101.4 AND CALGREEN SECTION 301.1. FOR ALL BUILDING ALTERATIONS OR IMPROVEMENTS TO A SINGLE FAMILY RESIDENTIAL PROPERTY, EXISTING PLUMBING FIXTURES IN THE ENTIRE HOUSE THAT DO NOT MEET CURRENT FLOW RATES WILL NEED TO BE UPGRADED. WATER CLOSETS WITH A FLOW RATE IN EXCESS OF 1.6 GPF WILL NEED TO BE REPLACED WITH WATER CLOSETS WITH A MAXIMUM FLOW RATE OF 1.28 GPF. SHOWER HEADS WITH A FLOW RATE GREATER THAN 2.5 GPM WILL NEED TO BE REPLACED WITH A MAXIMUM 1.8 GPM SHOWER HEAD. LAVATORY AND KITCHEN FAUCETS WITH A FLOW RATE GREATER THAN 2.2 GPM WILL NEED TO BE REPLACED WITH A FAUCET WITH MAXIMUM FLOW RATE OF 1.2 GPM (OR 1.8 GPM FOR KITCHEN FAUCETS).
- 2. SHOWERS AND TUB/SHOWER COMBINATIONS, CONTROL VALVES MUST BE PRESSURE BALANCED OR THERMOSTATIC MIXING VALVES, PER CPC 410.7
- SHOWER & TUB/SHOWER COMBINATIONS, VALVES SHALL BE LOCATED ON SIDEWALL OF SHOWER COMPARTMENT TO ALLOW THE BATHER TO ADJUST THE VALVE PRIOR TO STEPPING INTO THE SPRAY, PER CPC 412.11.
- POTABLE WATER SUPPLIES SHALL BE PROTECTED FROM CONTAMINATION CAUSED BY FIRE PROTECTION WATER SUPPLIES.
- 5. ALL PLUMBING FIXTURES SHALL MEET CURRENT FLOW RATES AS FOLLOWS (9. PER CALIFORNIA CIVIL CODE ARTICLE 1101.1 AND CALGREEN SECTION 301.1):
- A. WC MAX 1.28 GPF
- B. SHOWER HEADS MAX 1.8 GPM
- C. LAVATORY FAUCETS MAX 1.2 GPM D. KITCHEN FAUCETS - 1.8 GPM

ELECTRICAL NOTES

- 1. ALL NEW ELECTRICAL TO BE WIRED FROM NEW PANEL USING NEW CIRCUITS.
- WIRING SHALL BE ROMEX-APPROVED FOR INSTALLATION IN CONCEALED AREAS. ALL WIRING TO BE 3 WIRE AND PROPERLY GROUNDED.
- **ELECTRICAL BOX HEIGHTS/TYPES:** A. SWITCHES - 48" ABOVE FLOOR, UON (WHITE DECORA/ OR EQ)
- B. PLUGS 18" ABOVE FLOOR, UON (WHITE DECORA / OR EQ)
- C. CABINET RECEPTACLES 42" ABOVE FLOOR, UON
- D. WALL J-BOXWA 84" ABOVE FLOOR UON
- 4. ALL RECEPTACLES IN KITCHEN TO BE GROUND FAULT CIRCUIT INTERRUPTERS (GFI) OR BE CONNECTED TO A GFI CIRCUIT BREAKER AND AFCI PROTECTED AND TAMPER RESISTANT.
- 5. ALL RECESSED FIXTURES TO BE JUNO LOW VOLTAGE. FINISH TRIMS TO BE SELECTED BY OWNER.

DEMOLITION / RECYCLE NOTES

- DOORS, WINDOWS AND PLUMBING FIXTURES ARE TO BE SALVAGED BY APPROVED TOWN OF WOODSIDE VENDOR.
- ALL DEMOLITION MATERIALS SHALL BE DISPOSED OF AT TOWN OF WOODSIDE APPROVAL DISPOSAL SITES. CONTRACTOR SHALL PROVIDE DOCUMENTAION OF ALL DISPOSAL TO OWNER. OWNER WILL SUBMIT TO TOWN OF WOODSIDE FOR RELEASE OF RECYCLE DEPOSIT FUNDS.
- CONTRACTOR SHALL DISPOSE OF HAZARDOUS MATERIALS UNCOVERED AS REQUIRED BY FEDERAL AND STATE LAW.
- CONTRACTOR SHALL KEEP DEBRIS OFF OF TRIPP ROAD AT ALL
- CONTRACTOR SHALL CONTROL DUST DURING DEMOLITION AND **EXCAVATION OPERATIONS.**

FRAMING NOTES

- SILL PLATES: PRESSURE TREATED DOUGLAS FIR OR FOUNDATION GRADE REDWOOD.
- 2. LUMBER: A. JOIST, RAFTERS, LESS THAN 4" TH - #2 OR BETTER, UON.
 - STUDS, FURRING, AND MISC FRAMING NO 2 OR BETTER, UON. C. BEAMS (NOT EXPOSED) - SELECT STRUCTURAL
- CONNECTORS:
 - A. ALL CONNECTORS TO BE SIMPSON OR APPROVED EQUAL.
 - PROVIDE TIES AT ALL GIRDERS AND POST/BEAM CONNECTIONS. C. PROVIDE 2x RWD BLOCKS AT ALL POST BASE CONNECTIONS AT

INSTALL WITH NUMBER & SIZE AS INDICATED PER CATALOG.

- D. ALL BOLTS AND NAILING OF CONNECTORS TO MEET MANUFACTURER'S REQUIREMENTS.
- E. ALL SPECIALLY FABRICATED CONNECTORS TO BE PRIME PAINTED.
- F. 2x4 6"/8" MET STUDS INTERIOR WALLS @ 16" OC (UON) W/ A MAX ALLOWABLE HEIGHT OF 14'. ALL WALLS SHALL EXTEND FROM BOTTOM PLATE TO TOP PLATE W/O INTERMEDIATE PLATES.
- G. PROVIDE 2x BLOCKING OR 5/8" GYP FIRE STOP IN WALLS AT ALL DROPPED CEILINGS.
- H. ALL NAILS, BOLTS, OR CONNECTORS EXPOSED TO WEATHER SHALL BE GALVANIZED STEEL. ALL NAILS AT PRESSURE TREATED LUMBER TO BE STAINLESS STEEL
- WOOD DECKING TO BE IGNITION RESISTANT PER CRC R327.9

RCP NOTES

- NOTIFY ARCHITECTS IF CONFLICTS OCCUR BETWEEN ARCHITECT'S RCP AND MECHANICAL, MECHANICAL, ELECTRICAL, PLUMBING, LIGHTING, INTERIOR AND OR FIRE PROTECTION SYSTEM DRAWINGS.
- 2. CEILING HEIGHTS NOT SHOWN SHALL BE REVIEWED WITH THE ARCHITECT PRIOR TO FRAMING CEILINGS. CEILING HEIGHTS ARE NOT TO BE ADJUSTED WITHOUT APPROVAL OF THE ARCHITECT.
- DETECTORS, ETC TO CENTER AND ALIGN OTHER FIXTURES, U.O.N. BATHROOM/ LAUNDRY/ GARAGE/ MUD ROOM/ STORAGE AREA- ALL

ALL CEILING DEVICES, LIGHTS, HVAC, SPRINKLERS, SMOKE

- LIGHTING TO BE HIGH EFFICIENCY WITH ELECTRONIC BALLAST. 5. ALL OTHER PERMANENTLY INSTALLED INTERIOR LIGHTING- TO BE
- EXTERIOR LIGHTING-ALL LIGHTING TO BE HIGH EFFICIENCY WITH ELECTRONIC BALLAST AND UL LISTED FOR EXTERIOR AREA INSTALLATION.

HIGH EFFICIENCY WITH ELECTRONIC BALLAST.

- TUB/ SHOWER LIGHTING- UL LISTED FOR DAMP PROOF RECESSED LIGHT FIXTURE INSTALLATION.
- 8. ALL SMOKE/ CARBON MONOXIDE DETECTORS SHALL BE HARDWIRE, WITH BATTERY BACKUP, AND INTERCONNECTED, PER CRC R314.4 ANS R314.5.
- THE EXPOSED UNDERSIDE IF THE EXTERIOR PORCH CEILING SHALL BE PROTECTED BY NONCOMBUSTIBLE MATERIAL PER CRC R327.7.6.
- 10. REFER TO SHEET A1.2 FOR EXTERIOR LIGHTING PLAN.

RAILING NOTES

- REQUIRED GUARDS AT OPEN-SIDED WALKING SURFACES, SHALL BE NOT LESS THAN 42" IN HEIGHT AS MEASURED VERTICALLY ABOVE THE ADJACENT WALKING SURFACE. REQUIRED GUARDS SHALL NOT HAVE OPENINGS THAT ALLOW PASSAGE OF A SPHERE OF 4" IN DIAMETER. CRC R312.1.2, CRC R312.1.3
- HANDRAIL HEIGHT SHALL BE NOT LESS THEN 34 INCHES (864 MM) AND NOT MORE THEN 38 INCHES (965 MM), W/ CONT. HANDRAIL AT MIN 34" AND MAX 38" ABOVE TREAD NOSING, W/ TYPE II GRASPABLE PORTION PER CRC R311.7.7 & R311.7.8.1.

STAGING / TRAFFIC CONTROL/ CONSTRUCTION PARKING

1. SEE CIVIL DRAWINGS FOR TRAFFIC CONTROL NOTES.

GENERAL NOTES

- ALL WORK SHALL BE IN CONFORMANCE WITH THE 2019 CALIFORNIA BUILDING, MECHANICAL, PLUMBING, CALIFORNIA ENERGY AND CALIFORNIA ELECTRICAL CODES AS ADOPTED BY THE COUNTY OF SANTA CLARA.
- ALL DIMENSIONS ARE FROM THE OUTSIDE FACE OF THE EXTERIOR SHEATHING PLYWOOD AND THE OUTSIDE FACE OF GYPSUM BOARD, UNLESS OTHERWISE NOTED.
- 3. FOR EXTERIOR DOORS AND WINDOW SIZES & DESCRIPTION, SEE DOOR AND WINDOW SCHEDULES, SHEET A4.5, AND EXTERIOR ELEVATIONS, SHEET A5.0, A5.1 & A5.2.
- 4. FOR INTERIOR DOOR SIZES AND DESCRIPTION, SEE DOOR SCHEDULE. SHEET A4.5.
- 5. IN CASE OF ANY DISCREPANCY IN THE CONTRACT DOCUMENTS, CONSULT THE ARCHITECT BEFORE PROCEEDING.
- NO DIMENSIONS SHALL BE TAKEN BY SCALING FROM THE DRAWINGS. DETAILS TAKE PRECEDENCE OVER GENERAL SECTIONS OR FLOOR PLANS. IF DIMENSIONS MUST BE CLARIFIED, CONSULT THE ARCHITECT.
- VERIFY ALL DIMENSIONS ON THE JOB SITE PRIOR TO ORDERING OR MANUFACTURING.
- CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND VERIFY DIMENSIONS PRIOR TO BID AND CONSTRUCTION.
- DOOR LOCKS AND LATCHES SHALL BE PERMITTED TO PREVENT OPERATION OF DOORS FROM INDIVIDUAL DWELLING OR SLEEPING UNITS OF GROUP-R OCCUPANCIES HAVING AN OCCUPANT LOAD OF 10 OR LESS. THEY ARE PERMITTED TO BE EQUIPPED WITH A NIGHT LATCH, DEAD BOLT OR SECURITY CHAIN, PROVIDED SUCH DEVICES ARE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR TOOL, CBC 1008.9.3.
- 10. ALL EXTERIOR DOORS SHALL BE AT LEAST 1 3/8" THICK, MADE OF METAL OR FIBERGLASS, ALL EXTERIOR WOOD DOORS SHALL BE OF SOLID CORE NON-COMBUSTIBLE MATERIAL
- WINDOW & DOOR SIZES SHOWN ARE FOR DESIGN PURPOSES ONLY. ACTUAL WINDOW & DOOR SIZES SHALL BE FRAMED & SET PER MFG. SPECIFICATIONS. MAKE & MODEL NUMBERS SHALL BE CALLED OUT PER SUPPLIER'S AND/OR OWNER'S SPECIFICATIONS, U.N.O.
- 12. WINDOW & DOOR GLAZING TO BE DUAL-PANED, LOW-E2, WITH A U-FACTOR RATING & SHGC FACTOR RATING AS SPECIFIED IN TITLE-24 FOR FENESTRATION SURFACES.
- 13. ALL CABINETS SHOWN ARE FOR DESIGN PURPOSES ONLY, ACTUAL CABINETS TO BE SELECTED BETWEEN OWNER AND CONTRACTOR.
- 14. ALL GLAZING WITHIN AREAS LESS THAN 2' RADIUS OF DOOR SWING AND GLAZING EDGE LESS THAN 5' ABOVE TUB/SHOWER PAN AND GLAZING 18" OR LESS FROM FINISH FLOOR BE TEMPERED PER C.B.C 2406.4.6.
- 15. CBC SECTION 2406, SAFETY GLAZING SHALL BE USED IN PLACES SUBJECT TO HUMAN IMPACT. SUCH AS ALL GLAZING WITH-IN SWINGING DOORS, TUBS & SHOWERS WITH-IN 60" ABOVE DRAIN, WITH-IN 24" OF A SWINGING DOOR, EXPOSED GLAZING GREATER THAN 9 SQ. FT., EXPOSED BOTTOM EDGE LESS THAN 18" ABOVE FLOOR.
- 16. ALL EGRESS WINDOWS WITH TWO OR MORE LATCHES SHALL HAVE THE LATCHES INTERCONNECTED AND OPERABLE FROM THE LOWEST LATCH.
- 17. PROVIDE COMBUSTION AIR FOR FUEL BURNING APPLIANCES PER CMC. 603 & CPC 1307
- 18. PROVIDE COMBUSTION AIR AT WATER HEATER PER CBC 507.0, PROVIDE SEISMIC RESTRAINT (TOP & BOTTOM) PER CPC 510.5, P&T VALVE SHALL TERMINATE OUTSIDE OF THE BUILDING PER CPC 608.5, PROVIDE PAN PER CPC 511.7, PROVIDE 30x30 INCHES OF WORK SPACE IN FRONT OF FIRE BOX, PER CPC 511.5.
- 19. OPENINGS AROUND GAS VENTS, DUCTS & PIPING @ EACH FLOOR SHALL BE FIRE STOPPED.
- 20. PROVIDE AC/DC SMOKE DETECTORS WITHIN EACH SLEEPING ROOM AND CENTRALLY LOCATED IN CORRIDORS OR AREAS GIVING ACCESS TO EACH SLEEPING AREA ALL DETECTORS TO BE INTERCONNECTED, TYPICAL.
- 21. SHOWER COMPARTMENTS SHALL HAVE A MIN. FINISHED INTERIOR OF 1024 SQ. IN. AND SHALL ALSO BE CAPABLE OF ENCOMPASSING A 30" DIA. CIRCLE, THE REQUIRED AREA & DIM. SHALL BE MEASURED AT A HEIGHT EQUAL TO THE TOP OF THE THRESHOLD & AT A POINT TANGENT TO ITS CENTERLINE TO A POINT 70" ABOVE SHOWER DRAIN OUTLET PER CPC 412.7, FINISHED FLOOR OF THE RECEPTOR SHALL SLOPE TOWARD THE DRAIN NOT LESS THAN 1/4" PER FT. PER CPC 408.6-2013, 411.7.
- 22. SHOWER STALL: NO THRESHOLD OR DAM SHALL BE LESS THAN 2" & 9" IN DEPTH WHEN MEASURED FROM THE TOP OF THE THRESHOLD OR DAM TO THE TOP OF THE DRAIN, PER CPC 412.6.
- 23. HINGED SHOWER DOORS SHALL OPEN OUTWARD, PER CBC 2407. SHOWER DOOR SHALL OPEN SO AS TO MAINTAIN A MIN. OF 22" UNOBSTRUCTED OPENING FOR EGREES, PER CPC 412.6.
- 24. PROVIDE 24" OF CLEARANCE IN FRONT OF TOILETS & 15" CLEARANCE ON EITHER SIDE OF TOILET, PER CPC 2904.
- 25. SHOWERS TO BE FINISHED WITH MOISTURE RESISTANT MATERIALS TO MIN. HEIGHT OF 72" ABOVE DRAIN w/ TEMPERED GLASS ENCLOSURES, CBC 1210.3, 2509.2/ CRC R307.2.

GENERAL NOTES (continued)

- 26. FLOOR ELEVATION: THERE SHALL BE A FLOOR OR LANDING ON EACH SIDE OF A DOOR. SUCH FLOOR LANDING SHALL BE AT THE SAME ELEVATION ON EACH SIDE OF THE DOOR. LANDING SHALL BE LEVEL EXCEPT FOR EXTERIOR LANDINGS, WHICH ARE PERMITTED TO HAVE A SLOPE NOT TO EXCEED 1/4" PER FT. CBC 1008.1.5.
- 27. 1/2" MAXIMUM FLOOR ELEVATION CHANGE AT THRESHOLDS OF IN-SWING DOORS (TOP OF THRESHOLD TO TOP OF LANDING), CBC
- 28. RAISED THRESHOLDS AND FLOOR LEVEL CHANGES GREATER THAN 1/4" AT DOORWAYS SHALL BE BEVELED WITH A SLOPE NOT GREATER THAN ONE UNIT VERTICAL IN TWO UNITS HORIZONTAL (50-PERCENT SLOPE), CBC 1008.1.7.
- 29. IF A STEP DOWN TO A LANDING IS PROPOSED AT DOOR EXTERIOR, THEN STAIR RISER STANDARDS (4" MINIMUM AND 7-3/4" MAXIMUM ARE ENFORCED. ALSO REFER TO EXCEPTION 1008.1.4.1
- 30. RISE & RUN OF CONCRETE STEPS AT ENTRY SHALL COMPLY TO CBC SEC 1003. 3. 3. 3.
- 31. EXTERIOR STAIRS USED FOR DECKS AND LANDSCAPE SHALL BE 7-3/4" RISE MAXIMUM AND 10" RUN MINIMUM, PER CBC 1009.3.
- 32. THE PROPERTY SHALL BE IN A COMPLIANCE WITH THE VEGETATION MANAGEMENT REQUIREMENTS PRESCRIBED IN CALIFORNIA FIRE CODE SECTION 4906, INCLUDING CALIFORNIA PUBLIC RESOURCES CODE 4291 OR CALIFORNIA GOVERNMENT CODE SECTION 51182 PER CRC R327.1.5
- 33. MAXIMUM ELEVATION CHANGE OF 7.75 INCHES AT THRESHOLD OF DOORS THAT OPEN TO THE OUTSIDE OF THE HOUSE.
- 34. A POWERED SAFETY COVER IN COMPLIANCE WITH ASTM F 1346.
- 35. AS OF JULY 1, 2019, AN AUTOMATIC GARAGE DOOR BACKUP BATTERY IS REQUIRED ON NEW GARAGE DOOR OPENERS PER SB969
- 36. A PV SYSTEM AND A FIRE SPRINKLER SYSTEM WILL BE REQUIRED FOR THIS PROJECT UNDER SEPARATE PERMITS
- HIGH-EFFICACY (CALIFORNIA ENERGY CODE SECTION 150((k)1) 38. ALL OUTDOOR LIGHTING TO BE HIGH EFFICIENCY AND CONTROLLED BY MOTION SENSORS AND PHOTOCONTROL OR OTHER APPROVED

37. ALL LUMINAIRES SHALL MEET REQUIREMENTS IN TABLE 150.0-A FOR

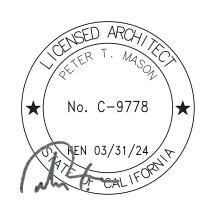
39. 125-VOLT AND 250-VOLT, 15 AMP RECEPTACLES OUTLETS SHALL BE

LISTED TAMPER-RESISTANT RECEPTACLES PER CEC 406.1

METHODS PER CALIFORNIA ENERGY CODE 150 (k)(3)

40. ALL BRANCH CIRCUITS THAT SUPPLY 120-VOLT, SINGLE PHASE, 15 AMP AND 20 AMP OUTLETS IN DWELLING UNIT KITCHENS, FAMILY/LIVING .DINING ROOMS PARLORS. LIBRARIES. DENS. BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS OR SIMILAR ROOMS OR AREAS SHALL BE ARC-FAULT CIRCUIT INTERRUPTER (AFCI) PROTECTED PER CEC 210.12 (A)





F 650.851.8832

Narayanan Residence 1556 Plateau Ave

Los Altos - CA

Permit Submittal 10.20.2022

> AS NOTED 10.20.2022 14127

General Notes

Registration Number: 222-P010198710A-000-000-000000-0000 Registration Date/Time: 2022-10-18 07:39:50 HERS Provider: CalCERTS inc. CA Building Energy Efficiency Standards - 2019 Residential Compliance Report Version: 2019.2.000 Report Generated: 2022-10-18 07:29:30

Schema Version: rev 20200901

ERTIFICATE OF COMPLIA	NCE						CF1R-PRF-01E
roject Name: Narayanan	Residence		Calculation	Date/Time: 2022-	-10-18T07	7:28:07-07:00	(Page 10 of 11)
alculation Description: T	itle 24 Analysis		Input File N	ame: Narayanan F	Residence	e.ribd19x	
VAC FAN SYSTEMS - HERS \	/ERIFICATION						
	01		02			03	
	Name		Verified Fan Watt Draw			Required Fan Efficacy	(Watts/CFM)
HVAC I	an 1-hers-fan		Required			0.58	
AQ (INDOOR AIR QUALITY)	FANS						
01	02	03	04	05		06	07
Dwelling Unit	IAQ CFM	IAQ Watts/CFM	IAQ Fan Type	IAQ Recove Effectiveness -		IAQ Recovery Effectiveness - ASRE	HERS Verification
SFam IAQVentRpt	122	0.35	Exhaust	n/a		n/a	Yes

Registration Number: 222-P010198710A-000-000-000000-0000

CA Building Energy Efficiency Standards - 2019 Residential Compliance

CERTIFICATE OF COMPLIANCE CF1R-PRF-01E Project Name: Narayanan Residence Calculation Date/Time: 2022-10-18T07:28:07-07:00 (Page 11 of 11) Calculation Description: Title 24 Analysis Input File Name: Narayanan Residence.ribd19x DOCUMENTATION AUTHOR'S DECLARATION STATEMENT Gary Faucette A.V. Energy & Associates 2022-10-18 07:38:05 EA/ HERS Certification Identification (If applicable) 43915 Gingham Avenue Lancaster, CA 93535 661-723-6694 RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California: 1. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design identified on this Certificate of Compliance. 1. Tari engine under ownstorn 5 of the outless and performance specifications identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.

3. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

Belief Designer Name:

Responsible Designer Signature:

PHFRichardson Responsible Designer Name: Jeff Richardson Date Signed: 2022-10-18 07:39:50 Mason Architects 957 Industrial Rd Ste C C-29033 City/State/Zip:
San Carlos, CA 94070 650-851-8810

Report Version: 2019.2.000

Schema Version: rev 20200901

Registration Date/Time: 2022-10-18 07:39:50

Report Version: 2019.2.000

Schema Version: rev 20200901

Digitally signed by CalCERTS. This digital signature is provided in order to secure the content of this registered document, and in no way implies Registration Provider responsibility for the accuracy of the information.

Registration Date/Time: 2022-10-18 07:39:50 Registration Number: 222-P010198710A-000-000-0000000-0000

CA Building Energy Efficiency Standards - 2019 Residential Compliance

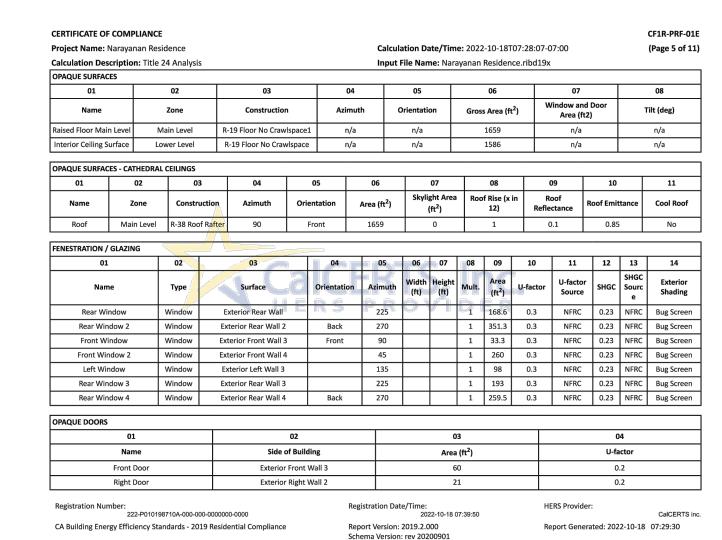
at CalCERTS.com HERS Provider: CalCERTS inc. Report Generated: 2022-10-18 07:29:30

Easy to Verify

HERS Provider:

Report Generated: 2022-10-18 07:29:30

CalCERTS inc.



Project Name: Narayanan ResidenceCalculation Date/Time: 2022-10-18T07:28:07-07:00(Page 6 cm)								(Page 6 of 11
Calculation Description	: Title 24 Analysis		In	out File Name: Na	rayanan Residence	e.ribd19x		
SLAB FLOORS								
01	02	03	04	05	06		07	08
Name	Zone	Area (ft ²)	Perimeter (ft)	Edge Insul. R-value and Depth	Edge Insul. R-va and Depth	lue Ca	arpeted Fraction	Heated
Slab-on-Grade Lower Level	Lower Level	1586	234	234 none 0			80%	No
DPAQUE SURFACE CONST	RUCTIONS							
01	02	03	04	05	06	07		08
Construction Name	Surface Type	Construction Type	Framing	Total Cavity R-value	Interior / Exterior Continuous R-value	U-factor	Asse	mbly Layers
6 Concrete Wall w/R-13	Exterior Walls	Concrete / ICF / Brick	None	n/a	R-13 / None	0.076	Insulation/Fur Mass Laye	sh: Gypsum Board ring: R-13 / 3.5in. wd er: 6 in. Concrete sish: 3 Coat Stucco
R-21 Wall	Exterior Walls	Wood Framed Wall	2x6 @ 16 in. O. C.	R O R-21	None / R-5	0.048	Cavity / F Sheathing / Ins	sh: Gypsum Board rame: R-21 / 2x6 ulation: R-5 Sheathing uish: 3 Coat Stucco
R-38 Roof Rafter	Cathedral Ceilings	Wood Framed Ceiling	2x12 @ 24 in. O. C.	R-38	None / None	0.027	Roofing: Light Roof (Asphalt Shing Roof Deck: Wood Siding/sheathing/decking Radiant Barrier Cavity / Frame: R-38 / 2x12 Inside Finish: Gypsum Board	
R-19 Floor No Crawlspace1	Exterior Floors	Wood Framed Floor	2x10 @ 16 in. O. C.	R-19	None / None	0.047	Floor Surface: Carpeted Floor Deck: Wood Siding/sheathing/decking Cavity / Frame: R-19 / 2x10	

CERTIFICATE OF COMPLIANCE

Registration Number: 222-P010198710A-000-000-0000000-0000

CA Building Energy Efficiency Standards - 2019 Residential Compliance

Consumer Instantaneous

CERTIFICATE OF COMPLIANCE

Registration Number: 222-P010198710A-000-000-0000000-0000

CA Building Energy Efficiency Standards - 2019 Residential Compliance

Project Name: Naray	anan Resider	nce					Calc	culation Date/	Time:	• 2022-10-1	8T07-28-0	07-07:00	(Page 7 of 11
Calculation Descripti								ut File Name:					(,,
DPAQUE SURFACE CON									· taray	anan nesia	0110011104		
01		02		03		04	1	05	Т	06	0	7	08
Construction Name	Surfa	се Туре	Constr	uction T	уре	Fran	ning	Total Cavit R-value	y	nterior / Exte Continuou R-value		octor A	ssembly Layers
R-19 Floor No Crawlspace	Interi	or Floors	Wood F	ramed I	loor	2x10 @ 10	5 in. O. C.	R-19		None / Non	e 0.0	045 Flo Cavity	Surface: Carpeted oor Deck: Wood /sheathing/decking / Frame: R-19 / 2x10 ow Finish: Gypsum Board
BUILDING ENVELOPE -	HERS VERIFICA	ATION	l.										
(01	1			02				03				04
Quality Insulatio	n Installation	(QII)	High	R-value	Spray F	Foam Insulation	n	Building Er	velope	e Air Leakag	e		CFM50
Req	uired			N	ot Requ	iired		No	ot Requ	uired			n/a
				10									
VATER HEATING SYSTE		_{\langle \langle \lan		10	_(C				9				
01		02	1	03			04		4	05		06	07
Name	Syste	m Type	Dist	ributio	Туре	Wat	er Heater Na	ame (#)	Solar	r Heating Sy	stem (Compact Distribution	HERS Verification
DHW Sys 1		c Hot Water PHW)		S Verifie ulation		D	HW Heater 1	1 (2)		Solar-DHW		None	DHW Sys 1-hers-dhw
WATER HEATERS													
01	02	03		04	05	06	07	08		09	10	11	12
Name	Heating Element Type	Tank T	уре	# of Units	Tank Vol. (gal)	Energy Factor or Efficiency	Input Ratin or Pilot			andby Loss r Recovery Eff	1st Hr. Rat or Flow Ra		
								(.iic/ Exc)	+				

Registration Date/Time: 2022-10-18 07:39:50

Report Version: 2019.2.000

Schema Version: rev 20200901

HERS Provider:

Report Generated: 2022-10-18 07:29:30

CF1R-PRF-01E

CalCERTS inc.

Report Generated: 2022-10-18 07:29:30

Project Name Narayanan Residence

CA Building Energy Efficiency Standards - 2019 Residential Compliance

Registration Number: 222-P010198710A-000-00000000-0000	Registration Date/Time: 2022-10-18 07:39:50	HERS Provider:	CalCERTS in
CA Building Energy Efficiency Standards - 2019 Residential Compliance	Report Version: 2019.2.000 Schema Version: rev 20200901	Report Generated: 2022-10-18	07:29:30

0.96-UEF <= 12 kW

oject Name: Naraya	anan Residence				Calculati	on Date/Tim	e: 2022-10-18	3T07:28:0	07-07:	00		(P	age 8 of 11
Iculation Description	on: Title 24 Analys	is			Input File	e Name: Nara	ayanan Reside	ence.ribd	19x				
OLAR WATER HEATING	SYSTEMS												
01	02		03	04		05	06	07		08		09	10
Name	Collector Man	utacturer i	ollector Brand	Collector M	odel	Number of Collectors	Azimuth from North	Tilt fro Horizon		Tank Volume (gal)		C/IAPMO umber	Solar Savings Fraction
Solar-DHW	Agua De	Sol	Radco	adco 308C-HP		4 180		.80 40		0		10001856 0.98	
ATER HEATING - HERS	VERIFICATION												
01	02	03		04		05	06			07			08
Name	Pipe Insulation	Parallel F	Piping C	ompact Distribution		Distribution Type	Recirculation	Control		Central DHW Distribution			Prain Water Recovery
DHW Sys 1 - 1/2	Required	Not Req	uired	Not Required	1	None	Not Requ	iired	1	Not Required	1	Not R	equired
	1												
PACE CONDITIONING	SYSTEMS												
01		02	03	04	05	06	07	0	8	09	1	0	11
Name	Sys	tem Type	Heating Uni Name	t Cooling Unit Name	Fan Name	Distributio Name	Required Thermost Type		tus	Verified Existing Condition	Equip	ting ment unt	Cooling Equipment Count
HVACS HP1	Heat pum	heating cooling	Heat Pump System 1	Heat Pump System 1	HVAC Fan 1	Air Distributio System 1		: Ne	ew	NA	:	2	2
01	02	03	04	05	06	07	08	0	9	10			11
IVAC - HEAT PUMPS													
N	C	N		Heating		Coo	ling	Zon	ally	Compre	essor	UEDC V	erification
Name	System Type	Number of Units	HSPF/COP	Cap 47	Cap 17	SEER	EER/CEER	Conti	rolled	Тур	e	HEKS V	erification
Heat Pump System 1	Central split HP	2	9.5	48000	45000	15	12.5	Not 2	Zonal	Sing Spee			mp System -htpump

Registration Date/Time: 2022-10-18 07:39:50

Report Version: 2019.2.000

Project Name: Narayanan Residence Calculation Description: Title 24 Analysis GENERAL INFORMATION 1 Project Name Narayanan Residence 02 Run Title 15te 24 Analysis 03 Project Location 1556 Plateau Ave 04 City 105 Los Altos 05 Standards Version 106 Zip code 107 Software Version 108 Climate Zone 109 Front Orientation (deg/ Cardinal) 100 Building Type 110 Single family 111 Number of Dwelling Units 112 Project Scope 114 Addition Cond. Floor Area (ft²) 115 Number of Stories 116 Existing Cond. Floor Area (ft²) 117 Fenestration Average U-factor 118 Total Cond. Floor Area (ft²) 120 ADU Bedroom Count 131 Nounder of Stories 141 ADU Conditioned Floor Area (ft²) 152 ADU Conditioned Floor Area (ft²) 153 ADU Conditioned Floor Area (ft²) 164 Sisting Cond. Floor Area (ft²) 175 ADU Conditioned Floor Area (ft²) 186 Total Cond. Floor Area (ft²) 187 ADU Conditioned Floor Area (ft²) 188 Total Cond. Floor Area (ft²) 189 ADU Bedroom Count 180 Natural Gas Available 180 Yes 18	CF1R-PRF-01
Project Name Narayanan Residence	(Page 1 of 1
01 Project Name Narayanan Residence 02 Run Title Title 24 Analysis 03 Project Location 1556 Plateau Ave 04 City Los Altos 05 Standards Version 2019 06 Zip code 94024 07 Software Version EnergyPro 8.3 08 Climate Zone 4 09 Front Orientation (deg/ Cardinal) 90 10 Building Type Single family 11 Number of Dwelling Units 1 12 Project Scope NewConstruction 13 Number of Bedrooms 3 14 Addition Cond. Floor Area (ft²) 0 15 Number of Stories 2 16 Existing Cond. Floor Area (ft²) 0/a 17 Fenestration Average U-factor 0.3 18 Total Cond. Floor Area (ft²) 3245 19 Glazing Percentage (%) 42.02% 20 ADU Bedroom Count n/a 21 ADU Conditioned Floor Area (n/a) 42.02% 21 Is Natural Gas Available? Yes	
Run Title Title 24 Analysis	
1556 Plateau Ave 1556 Platea	
04 City Los Altos 05 Standards Version 2019 06 Zip code 94024 07 Software Version EnergyPro 8.3 08 Climate Zone 4 09 Front Orientation (deg/ Cardinal) 90 10 Building Type Single family 11 Number of Dwelling Units 1 12 Project Scope NewConstruction 13 Number of Bedrooms 3 14 Addition Cond. Floor Area (ft²) 0 15 Number of Stories 2 16 Existing Cond. Floor Area (ft²) n/a 17 Fenestration Average U-factor 0.3 18 Total Cond. Floor Area (ft²) aleas (ft²) n/a 19 Glazing Percentage (%) 42.02% 20 ADU Bedroom Count n/a 21 ADU Conditioned Floor Area n/a 21 Is Natural Gas Available? Yes	
Of Software Version EnergyPro 8.3	
10 Building Type Single family 11 Number of Dwelling Units 1	
Building Type Single family 11 Number of Dwelling Units 1	
12 Project Scope NewConstruction 13 Number of Bedrooms 3 14 Addition Cond. Floor Area (ft²) 0 15 Number of Stories 2 16 Existing Cond. Floor Area (ft²) n/a 17 Fenestration Average U-factor 0.3 18 Total Cond. Floor Area (ft²) 3245 19 Glazing Percentage (%) 42.02% 20 ADU Bedroom Count n/a 21 ADU Conditioned Floor Area n/a 22 Is Natural Gas Available? Yes	
Addition Cond. Floor Area (ft²) 0 15 Number of Stories 2 Existing Cond. Floor Area (ft²) n/a 17 Fenestration Average U-factor 0.3 Total Cond. Floor Area (ft²) 3245 19 Glazing Percentage (%) 42.02% ADU Bedroom Count n/a 21 ADU Conditioned Floor Area n/a Is Natural Gas Available? Yes	
16 Existing Cond. Floor Area (ft²) n/a 17 Fenestration Average U-factor 0.3 18 Total Cond. Floor Area (ft²) 3245 19 Glazing Percentage (%) 42.02% 20 ADU Bedroom Count n/a 21 ADU Conditioned Floor Area n/a 22 Is Natural Gas Available? Yes	
18 Total Cond. Floor Area (ft²) 3245 19 Glazing Percentage (%) 42.02% 20 ADU Bedroom Count n/a 21 ADU Conditioned Floor Area n/a 22 Is Natural Gas Available? Yes	
20 ADU Bedroom Count n/a 21 ADU Conditioned Floor Area n/a 22 Is Natural Gas Available? Yes	
22 Is Natural Gas Available? Yes	
COMPLIANCE RESULTS	
COMPLIANCE RESULIS	
01 Building Complies with Computer Performance	
This building incorporates features that require field testing and/or verification by a certified HERS rater under the supervision of a CEC-approved HERS pro This building incorporates one or more Special Features shown below	vider.

CERTIFICATE OF COMPLIANCE				CF1R-PRF-01
Project Name: Narayanan Residence		Calculation Date/Time: 202	2-10-18T07:28:07-07:00	(Page 2 of 11
Calculation Description: Title 24 Analysis		Input File Name: Narayanan	Residence.ribd19x	
ENERGY DESIGN RATING				
	Energy Desi	ign Ratings	Complianc	e Margins
	Efficiency¹ (EDR)	Total² (EDR)	Efficiency¹ (EDR)	Total² (EDR)
Standard Design	46.8	29.3		
Proposed Design	45.1	11.5	1.7	17.8
	RESULT: 3: (COMPLIES		
1: Efficiency EDR includes improvements to the building envelope	and more efficient equipment			
2: Total EDR includes efficiency and demand response measures:	such as photovoltaic (PV) systems	and batteries o		

Registration Date/Time: 2022-10-18 07:39:50

Report Version: 2019.2.000

Schema Version: rev 20200901

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Report Generated: 2022-10-18 07:29:30

Number of Ventilation Number of Water Cooling Systems Heating Systems

Report Generated: 2022-10-18 07:29:30

Registration Number: 222-P010198710A-000-000-0000000-0000

CA Building Energy Efficiency Standards - 2019 Residential Compliance

CA Building Energy Efficiency Standards - 2019 Residential Compliance

		Na.									
	***	11/2	691	ENERGY USE SUMMA	RY C			Ð			
Er	nergy Use (kTDV/ft ² -yr)		Standard Desig		roposed	Design		Compliance I	Margin	Percent Im	provement
	Space Heating		29.19	5 PRO	25.5	8	EK	3.61		12	.4
	Space Cooling		9.25		23.2	3		-13.98	1	-15	1.1
	IAQ Ventilation		3.19		3.19	9		0		()
	Water Heating		8.92		0.88	3		8.04		90	.1
Self U	Utilization/Flexibility Cre	edit	n/a		-5.5	6		5.56		n,	/a
Co	ompliance Energy Total		50.55		47.3	2		3.23		6	.4
REQUIRED PV SYS	STEMS - SIMPLIFIED										
01	02	03	04	05	06	07	08	09	10	11	12
DC System Size (kWdc)	Exception	Module Type	Array Type	Power Electronics	CFI	Azimuth (deg)	Tilt Input	Array Angle (deg)	Tilt: (x in	Inverter Eff. (%)	Annual Solar Acce

REQUIRED PV SYS	TEIVIS - SIIVIPLIFIED										
01	02	03	04	05	06	07	08	09	10	11	12
DC System Size (kWdc)	Exception	Module Type	Array Type	Power Electronics	CFI	Azimuth (deg)	Tilt Input	Array Angle (deg)	Tilt: (x in 12)	Inverter Eff. (%)	Annual Solar Access (%)
2.88	NA	Standard	Fixed	Microinverters	true	150-270	n/a	n/a	<=7:12	96	100
Registration Num	ber: 222-P010198710A-00	0-000-0000000-0000		Registration Date		10-18 07:39:50		HERS	Provider:	,	CalCERTS inc.
CA Building Energ	y Efficiency Standards -	2019 Residential Comp	liance	Report Version: 2	019 2 000	1		Reno	rt Generated	2022-10-18 0	17-29-30

Report Version: 2019.2.000

Schema Version: rev 20200901

	CERTIFICATE OF COMPLIANO	Œ				CF1R-PRF-01
ENERGY DESIGN RATING BATTERY INPUTS 01 02 03 04 05 0	Project Name: Narayanan Re	sidence		Calculation Date/Time: 2022	-10-18T07:28:07-07:00	(Page 3 of 1
	Calculation Description: Title	e 24 Analysis		Input File Name: Narayanan	Residence.ribd19x	
	ENERGY REGION RATING RATE	RY INPUTS		,		
Control Canacity (MWh) Charging Efficiency Pate (MM)Pate (MW) Discharging Efficiency Pate (MW)	ENERGY DESIGN RATING BATTE					
Control Capacity (kwi) Charging Efficiency Rate (kw) Acte (kw)		I	03	04	05	06

01 02 03 04 05 06											
Control	Capacity (kWh)	Charging Efficiency	Rate (kW)Rate (kW)	Discharging Efficiency	Rate (kW)Rate (kW)						
Advanced DR 35 0.95 n/a 0.95 n/a											
EQUIRED SPECIAL FEATURES			rformance for this computer analy								

•	Battery System: 35 kWh (Self Utilization Credit taken)
•	Non-standard duct location (any location other than attic)
	Solar water heating credit, single family bui <mark>l</mark> ding
	solal water fleating cleuit, single family building
HERS	EATURE SUMMARY FACE OF THE STATE OF THE STAT
The fo	llowing is a summary of the features that must be field-verified by a certified HERS Rater as a condition for meeting the modeled energy performance for this computer analysis. Additiona
	s provided in the building tables below. Registered CF2Rs and CF3Rs are required to be completed in the HERS Registry
detail	s provided in the building tables below, registered CF2Rs and CF3Rs are required to be completed in the FERS registry
Buildi	g-level Verifications:
	Quality insulation installation (QII)
	Indoor air quality ventilation
Ī.	
•	Kitchen range hood A Fig. 1 Company Verifications: HERS PROVIDER
Coolir	g System Verifications:
•	Minimum Airflow
	Verified EER
	Verified SEER
i -	VEHICL JEEN

١.	Verified EER
١•	Verified SEER
•	Fan Efficacy Watts/CFM
Heati	ing System Verifications:
١•	Verified HSPF
•	Verified heat pump rated heating capacity
HVAC	C Distribution System Verifications:
١•	Duct leakage testing
١•	Ducts located entirely in conditioned space confirmed by duct leakage testing
Dome	estic Hot Water System Verifications:
١•	Pipe Insulation, All Lines

Registration Number: 222-P010198710A-000-00000000-0000	Registration Date/Time: 2022-10-18 07:39:50	HERS Provider:	CalCERTS in
0 0, ,	Report Version: 2019.2.000 Schema Version: rev 20200901	Report Generated: 2022-10-18	07:29:30

CERTIFICATE OF COMPLIANCE		CF1R-PRF-01E
Project Name: Narayanan Residence	Calculation Date/Time: 2022-10-18T07:28:07-07:00	(Page 4 of 11)
Calculation Description: Title 24 Analysis	Input File Name: Narayanan Residence.ribd19x	
BUILDING - FEATURES INFORMATION		

Conditioned Floor Area (ft²) Number of Dwelling Units Number of Bedrooms Number of Zones

01	01 02		04			05		06	07
Zone Name	Zone Type	HVAC System Name	Zone Floor A	rea (ft²)	Avg.	Ceiling Height	eiling Height Water Heating System 1 Water		Water Heating System 2
Lower Level	Conditioned	HVACS HP1	1586	;		8 DHV		DHW Sys 1	N/A
Main Level	Conditioned	HVACS HP1	1659			8	8 DHW Sys 1		N/A
			- _						
PAQUE SURFACES	The state of the s								
01	02	03	04	05	-	06	7	07	08
Name	Zone	Construction	Azimuth	Orientati	ion	Gross Area (ft	290	Window and Door Area (ft2)	Tilt (deg)
Exterior Front Wall	Lower Level	6 Concrete Wall w/R-13	90	Front	V	400		0	90
Exterior Front Wall 2	Lower Level	6 Concrete Wall w/R-13	45	n/a		336		0	90
Exterior Left Wall	Lower Level	6 Concrete Wall w/R-13	135	n/a		128		0	90
Exterior Left Wall 2	Lower Level	R-21 Wall	135	135 n/a		63.3		0	90
Exterior Rear Wall	Lower Level	R-21 Wall	225	n/a	336			168.6	90
Exterior Rear Wall 2	Lower Level	R-21 Wall	270	Back		400		351.3	90
Exterior Right Wall	Lower Level	6 Concrete Wall w/R-13	315	315 n/a		152		0	90
Exterior Front Wall 3	Main Level	R-21 Wall	90	Front	nt 400		93.3		90
Exterior Front Wall 4	Main Level	R-21 Wall	45	n/a		336		260	90
Exterior Left Wall 3	Main Level	R-21 Wall	135	n/a		192		98	90
Exterior Rear Wall 3	Main Level	R-21 Wall	225	n/a		336		193	90
Exterior Rear Wall 4	Main Level	R-21 Wall	270	Back		400		259.5	90
Exterior Right Wall 2	Main Level	R-21 Wall	315	n/a		152		21	90
Registration Number:	-P010198710A-000-000-0000	000-000	Registratio	n Date/Time:	22-10-18	3 07:39:50	-	HERS Provider:	CalCERTS inc
CA Building Energy Efficie			Report Ver	rsion: 2019.2.0				Papart Caparated: 3	2022-10-18 07:29:30

Report Version: 2019.2.000





F 650.851.8832

Narayanan Residence 1556 Plateau Ave

Los Altos - CA

	Permit Submittal	10.20.2022
1		
]		
	Scale	AS NOTED
]	Date	10.20.2022
	Project No	14127
1		

Title 24

CERTIFICATE OF COMPLIANCE	CF1R-PRF-01E
Project Name: Narayanan Res ADU	Calculation Date/Time: 2022-10-18T07:31:13-07:00 (Page 9 of 9)
Calculation Description: Title 24 Analysis	Input File Name: Narayanan Res ADU.ribd19x
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
1. I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name:	Documentation Author Signature:
Gary Faucette	Gary Faucette
Company:	Signature Date:
A.V. Energy & Associates	2022-10-18 07:40:52
Address:	CEA/ HERS Certification Identification (If applicable):
43915 Gingham Avenue	na
City/State/Zip:	Phone:
Lancaster, CA 93535	661-723-6694
RESPONSIBLE PERSON'S DECLARATION STATEMENT	
The building design features or system design features identified on this Certificate of Compliance calculations, plans and specifications submitted to the enforcement agency for approval with this	ompliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. are consistent with the information provided on other applicable compliance documents, worksheets, building permit application.
Responsible Designer Name: Jeff Richardson	Responsible Designer Signature: Jeff Richardson
Company: Mason Architects	Date Signed: 2022-10-27 11:07:22
Address: 957 Industrial Rd Ste C	License: C-29033
City/State/Zip: San Carlos, CA 94070	Phone: 650-851-8810

Digitally signed by CalCERTS. This digital signature is provided in order to secure the content of this registered document, and in no way implies Registration Provider responsibility for the accuracy of the information.

at CalCERTS.com Registration Number: 222-P010198711A-000-000-0000000-0000 Registration Date/Time: 2022-10-27 11:07:22 HERS Provider: CA Building Energy Efficiency Standards - 2019 Residential Compliance Report Version: 2019.2.000 Report Generated: 2022-10-18 07:32:21

Schema Version: rev 20200901

Easy to Verify

CalCERTS inc.

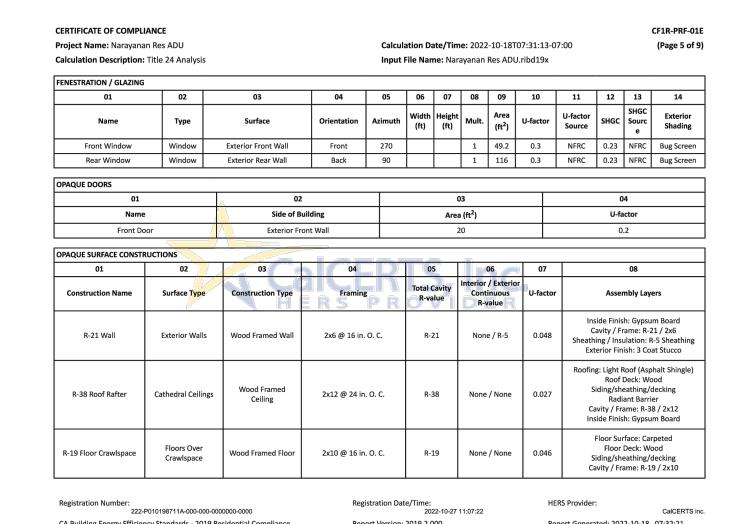
CA Building Energy Efficiency Standards - 2019 Residential Compliance

Registration Number: 222-P010198711A-000-000-000000-0000

CERTIFICATE OF COMPLIANCE

Project Name: Narayanan Res ADU

CA Building Energy Efficiency Standards - 2019 Residential Compliance



CERTIFICATE OF COI	MPLIANCE														CF1	R-PRF-01E
Project Name: Nara	yanan Res AD	U					(Calculat	tion Date/T	ime: 2022-10-	18T07:31:1	3-07:0	00		(P	age 6 of 9)
Calculation Descript	tion: Title 24	Analysis					ı	nput Fi	ile Name: N	arayanan Res /	ADU.ribd19	x				
BUILDING ENVELOPE	- HERS VERIFIC	ATION														
	01				02					03				04		
Quality Insulati	on Installation	(QII)	High	ı R-valu	Spray Fo	oam Insulatio	n		Building Env	elope Air Leaka	ge			CFM5	50	
Re	equired			ı	Not Requi	red			Not	Required				n/a		
WATER HEATING SYST	TEMS															
01		02		03 04 05 06					07							
Name	Syste	em Type	Dis	Distribution Type Water Heat				r Name	(#)	Solar Heating System			Compact Distribution		HERS Verification	
DHW Sys 1	1 Domestic Hot Water Standard Distribution System			DHW Heater 1 (1)				Solar-DHW		1	None		n/	a		
		/ /A														
WATER HEATERS	-															
01	02	03		04	05	06	07		08	09	10		11			12
Name	Heating Element Type	Tank Ty	/pe	# of Units	Tank Vol. (gal)	Energy Factor or Efficiency	Input R or Pil		Tank Insulation R-value (Int/Ext)	Standby Loss or Recovery Eff	1st Hr. Rat or Flow Ra		NEEA Heat Pu Brand or Mo			ocation or Condition
DHW Heater 1	Electric Resistance	Consun Instantan		1	1	0.96-UEF	<= 12	kW	0	99	n/a		n/a			n/a
SOLAR WATER HEATIN	NG SYSTEMS															
01		02		03		0)4		05	06	07	Т	08		09	10
Name	Collecto	or Manufactur	rer	Collec Brar		Collecto	or Model		Number of Collector		Tilt fro Horizon		ank Volume (gal)		/IAPMO imber	Solar Savings Fraction
Solar-DHW	A	gua Del Sol		Rado	:0	3086	C-HP		2	180	40		0	100	01856	0.96

Registration Date/Time: 2022-10-27 11:07:22

Report Version: 2019.2.000 Schema Version: rev 20200901

Report Version: 2019.2.000

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CalCERTS inc.

Report Generated: 2022-10-18 07:32:21

HERS Provider:

Report Generated: 2022-10-18 07:32:21

CERTIFICATE OF COMPLIANCE CF1R-PRF-01E Project Name: Narayanan Res ADU Calculation Date/Time: 2022-10-18T07:31:13-07:00 Input File Name: Narayanan Res ADU.ribd19x Calculation Description: Title 24 Analysis WATER HEATING - HERS VERIFICATION
 Name
 Pipe Insulation
 Parallel Piping
 Compact Distribution Type
 Recirculation Control Type
 Central DHW Distribution
 Shower Drain Water Heat Recovery

 DHW Sys 1 - 1/1
 Not Required
 Not Required
 None
 Not Required
 Not Required
 Not Required
 O2 03 04 05 06 07 08 09 10 11

System Type Heating Unit Name Cooling Unit Name Fan Name Distribution Name Fan Name Distribution Name Type Status Type Cooling Equipment Count Count 01 Heat pump heating cooling System 1 Heat Pump System 1 N/a Setback New NA 1 01 02 03 04 05 06 07 08 09 10 11 C-HEAT PUMPS System Type Number of Units Heating Cooling Zonally Controlled Type HERS Verification

VCHP-ductless 1 9.5 18000 16000 15 12.5 Not Zonal Single Speed 1-hers-htpump Heat Pump System 1 VCHP-ductless HVAC HEAT PUMPS - HERS VERIFICATION 01 02 03 04 05 06 07 08 09

Name Verified Airflow Airflow Target Verified EER Verified SEER Verified Refrigerant Charge Verified HSPF Cap 47 Cap 17 Heat Pump System Not Required Required Yes Yes Yes

Registration Date/Time: 2022-10-27 11:07:22 HERS Provider: Registration Number: 222-P010198711A-000-000-000000-0000 CalCERTS inc. CA Building Energy Efficiency Standards - 2019 Residential Compliance Report Version: 2019.2.000 Report Generated: 2022-10-18 07:32:21 Schema Version: rev 20200901

Calculation Date/Time: 2022-10-18T07:31:13-07:00

01	02	03	04	05	06	07	08	09	10	
Name	Certified Low-Static VCHP System	Airflow to Habitable Rooms	Ductless Unit in Conditione Space	I Wall Mount	Air Filter Sizin & Pressur Drop Rating		Minimum Airflow per RA3.3 and SC3.3.3.4.1	Certified non-continuous Fan	Indoor Fan n Running Continuous	
Heat Pump System 1	Not required	Required	Required	Required	Not required	Not required	Not required	Not required	Not require	
AQ (INDOOR AIR QUALITY)) FANS 02	03	3	04		05	06		07	
Dwelling Unit	IAQ CFM	IAQ Wat	ts/CFM	IAQ Fan Type		Recovery veness - SRE			' I HERS Verification	
SFam IAQVentRpt	41	0.3	35	Exhaust		n/a	n/a		Yes	
					S,					

	OF COMPLIANCE				CF1R-PRF-01				
Project Nam	e: Narayanan Res ADU		Calcul	ation Date/Time: 2022-10-18T07:31:13-0	7:00 (Page 1 of 9				
Calculation I	Description: Title 24 Analysis	Input File Name: Narayanan Res ADU.ribd19x							
GENERAL INF	ORMATION								
01	Project Name	Narayanan Res ADU	ayanan Res ADU						
02	Run Title	le 24 Analysis							
03	Project Location	1556 Plateau Ave							
04	City	Los Altos	05	Standards Version	2019				
06	Zip code	94024	07	Software Version	EnergyPro 8.3				
08	Climate Zone	4	09	Front Orientation (deg/ Cardinal)	270				
10	Building Type	Single family	11	Number of Dwelling Units	1				
12	Project Scope	NewConstruction	13	Number of Bedrooms	2				
14	Addition Cond. Floor Area (ft ²)	0	15	Number of Stories	1				
16	Existing Cond. Floor Area <mark>(ft²)</mark>	n/a	17	Fenestration Average U-factor	0.3				
18	Total Cond. Floor Area (ft²)	639	19	Glazing Percentage (%)	25.85%				
20	ADU Bedroom Count	n/a	21	ADU Conditioned Floor Area	n/a				
22	Is Natural Gas A <mark>va</mark> ilable <mark>?</mark>	Yes							
COMPLIANCE		<u> </u>	2 R	OVIDER					
01 02	Building Complies with Computer								
		that require field testing and/or verification by a certified HERS rater under the supervision of a CEC-approved HERS provider.							

Registration Date/Time: 2022-10-27 11:07:22 Registration Number: 222-P010198711A-000-000-0000000-0000 CalCERTS inc. CA Building Energy Efficiency Standards - 2019 Residential Compliance Report Version: 2019.2.000 Report Generated: 2022-10-18 07:32:21 Schema Version: rev 20200901

CERTIFICATE OF Project Name: N	COMPLIANCE arayanan Res ADU			Calcula [,]	tion Date	e/Time: 2022	!-10-18T	07:31:13-07:0	00		F1R-PRF-01 (Page 2 of 9
Calculation Desc	ription: Title 24 Anal	ysis		Input Fi	le Name	: Narayanan	Res ADU	l.ribd19x			
ENERGY DESIGN R	ATING										
				Energy Design Ratin	gs			C	Compliance M	argins	
			Efficiency ¹	(EDR)	Total² (E	DR)	E	fficiency¹ (EDF	R)	Total² (E	DR)
	Standard Design		55.7		26.5	i			•		
	Proposed Design		45.5		0			10.2		26.5	
			•	RESULT: 3: COMPLIE	S				•		
	esign PV Capacity: 1.98 resized to 1.98 kWdc (a ed at zero		eve 'Standard Desig	n PV' PV scaling	_V,~.	· [
				ENERGY USE SUMMA	RY 💍						
En	nergy Use (kTDV/ft ² -yr)		Standard Desig	s pr	Proposed	Design		Compliance	Margin	Percent Im	provement
	Space Heating		15.29		9.3			5.99		39	9.2
	Space Cooling		27.35		30.3	3		-2.95		-10	0.8
	IAQ Ventilation		5.5		5.5			0		(D
	Water Heating		33.32		5.53	l		27.81		83	3.5
Self U	Jtilization/Flexibility Cre	edit	n/a		-8.9	6		8.96		n	/a
Co	ompliance Energy Total		81.46		41.6	5		39.81		48	3.9
REQUIRED PV SYS	TEMS - SIMPLIFIED										
01	02	03	04	05	06	07	08	09	10	11	12
DC System Size (kWdc)	Exception	Module Type	Array Type	Power Electronics	CFI	Azimuth (deg)	Tilt Input	Array Angle (deg)	Tilt: (x in 12)	Inverter Eff. (%)	Annual Solar Acce (%)
							-				

CERTIFICATE OF COMPLIANO	Œ				CF1R-PRF-01E	
Project Name: Narayanan Re	es ADU		Calculation Date/Time: 202	2-10-18T07:31:13-07:00	(Page 3 of 9	
Calculation Description: Title	e 24 Analysis		Input File Name: Narayanan	Res ADU.ribd19x		
ENERGY DESIGN RATING BATTE	RY INPUTS					
01	02	03	04	05	06	
Control	Capacity (kWh)	Charging Efficiency	Rate (kW)Rate (kW)	Discharging Efficiency	Rate (kW)Rate (kW)	
Advanced DR	12	0.95	n/a	0.95	n/a	
REQUIRED SPECIAL FEATURES						
	must be installed as condition for	r meeting the modeled energy pe	erformance for this computer ana	lvsis.		
	(Self Utilization Credit taken) Imp compliance option (verificati t, single family by <mark>ild</mark> ing	on details from VCHP Staff repor	t, Appendix B, and RA3)			
HERS FEATURE SUMMARY						
		TO The control turns not to the			kalabita al	
	tables below. Registered CF2Rs a		s a condition for meeting the moon npleted in the HERS Registry	deled energy performance for this	computer analysis. Additional	
Building-level Verifications: Quality insulation installa Indoor air quality ventila Kitchen range hood Cooling System Verifications: Verified EER		CalCE HERS F	RIS, II	TC. ER		
Verified SEERVerified Refrigerant Char						
Airflow in habitable roon Heating System Verifications: Verified HSPF	,					
Verified heat pump rated Wall mounted thermosts	heating capacity	CC2 4 E)				

Registration Date/Time: 2022-10-27 11:07:22

Report Generated: 2022-10-18 07:32:21

CalCERTS inc.

Report Version: 2019.2.000

Schema Version: rev 20200901

Registration Number: 222-P010198711A-000-000-000000-0000

CA Building Energy Efficiency Standards - 2019 Residential Compliance

Wall-mounted thermostat in zones greater than 150 ft2 (SC3.4.5) Ductless indoor units located entirely in conditioned space (SC3.1.4.1.8)

HVAC Distribution System Verifications: -- None -Domestic Hot Water System Verifications:

CERTIFICATE OF COMPLIANCE

HERS Provider: Registration Date/Time: 2022-10-27 11:07:22 Registration Number: 222-P010198711A-000-000-000000-0000 CA Building Energy Efficiency Standards - 2019 Residential Compliance Report Version: 2019.2.000 Report Generated: 2022-10-18 07:32:21 Schema Version: rev 20200901

Project Name: Narayanan R	es ADU		Calculation Da	Calculation Date/Time: 2022-10-18T07:31:13-07:00			
Calculation Description: Title 24 Analysis Input File Name: Narayanan Res ADU.ribd19x							
BUILDING - FEATURES INFORM	ATION						
01	02	03	04	05	06	07	
Project Name	Conditioned Floor Area (ft ²)	Number of Dwelling Units	Number of Bedrooms	Number of Zones	Number of Ventilation Cooling Systems	Number of Water Heating Systems	
Naravanan Res ADU	639	1	2	1	0	1	

Narayanan Res ADI	U 639		1		2		1	0		1
7015 11500145101										`
ZONE INFORMATION										
01	02	0)3	04 05		05 06		07		
Zone Name	Zone Type	HVAC Sys	tem Name	Zone Floor A	rea (ft²)	Avg. C	Ceiling Height	Water Heating S	System 1	Water Heating System 2
1st fl zone	Conditioned	HVAC	S HP1	639			8	DHW Sys	1	N/A
OPAQUE SURFACES		1								
01	02	-03		04	05		06	()7	08
Name	Zone	Construction	on a	Azimuth	Orientat	ion	Gross Area (ft ²	\ I	and Door (ft2)	Tilt (deg)
Exterior Front Wall	1st fl zone	R-21 Wal		270	Front	118	320	69	9.2	90

Name	- '	zone	Construction		amuth	Orientation	Gross Area (ft ⁻)	Area (1	ft2)	riit (deg)
Exterior Front \	Wall 1st	t fl zone	R-21 Wall		270	Front	320	69.2	2	90
Exterior Left V	Vall 1st	t fl zone	R-21 Wall	I R 5	0 📔	R Left V	144	0		90
Exterior Rear V	Wall 1st	fl zone	R-21 Wall		90	Back	320	116	i	90
Exterior Right \	Wall 1st	fl zone	R-21 Wall		180	Right	114	0		90
Raised 1st Flo	oor 1st	fl zone	R-19 Floor Crawlspac	e	n/a	n/a	639	n/a		n/a
OPAQUE SURFAC	DPAQUE SURFACES - CATHEDRAL CEILINGS									
01	02	03	04	05	06	07	08	09	10	11
						Skylight Are	a Roof Rise (x in	Roof		

 Name
 Zone
 Construction
 Azimuth
 Orientation
 Area (ft²)
 Skylight Area (ft²)
 Roof Rise (x in 12)
 Roof Rise (x in 12)
 Roof Reflectance
 Roof Emittance
 Cool Roof

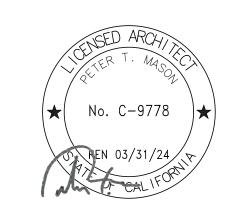
 Roof
 1st fl zone
 R-38 Roof Rafter
 270
 Front
 639
 0
 1
 0.1
 0.85
 No

Registration Number: 222-P010198711A-000-000-000000-0000 Registration Number: 222-P010198711A-000-000-0000000-0000 Registration Date/Time: 2022-10-27 11:07:22 Registration Date/Time: 2022-10-27 11:07:22 CalCERTS inc. CA Building Energy Efficiency Standards - 2019 Residential Compliance Report Version: 2019.2.000 Report Generated: 2022-10-18 07:32:21 CA Building Energy Efficiency Standards - 2019 Residential Compliance Report Version: 2019.2.000 Report Generated: 2022-10-18 07:32:21

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(Page 8 of 9)

ARCHITECTS 957 INDUSTRIAL ROAD STE C SAN CARLOS CA 94070 F 650.851.8832

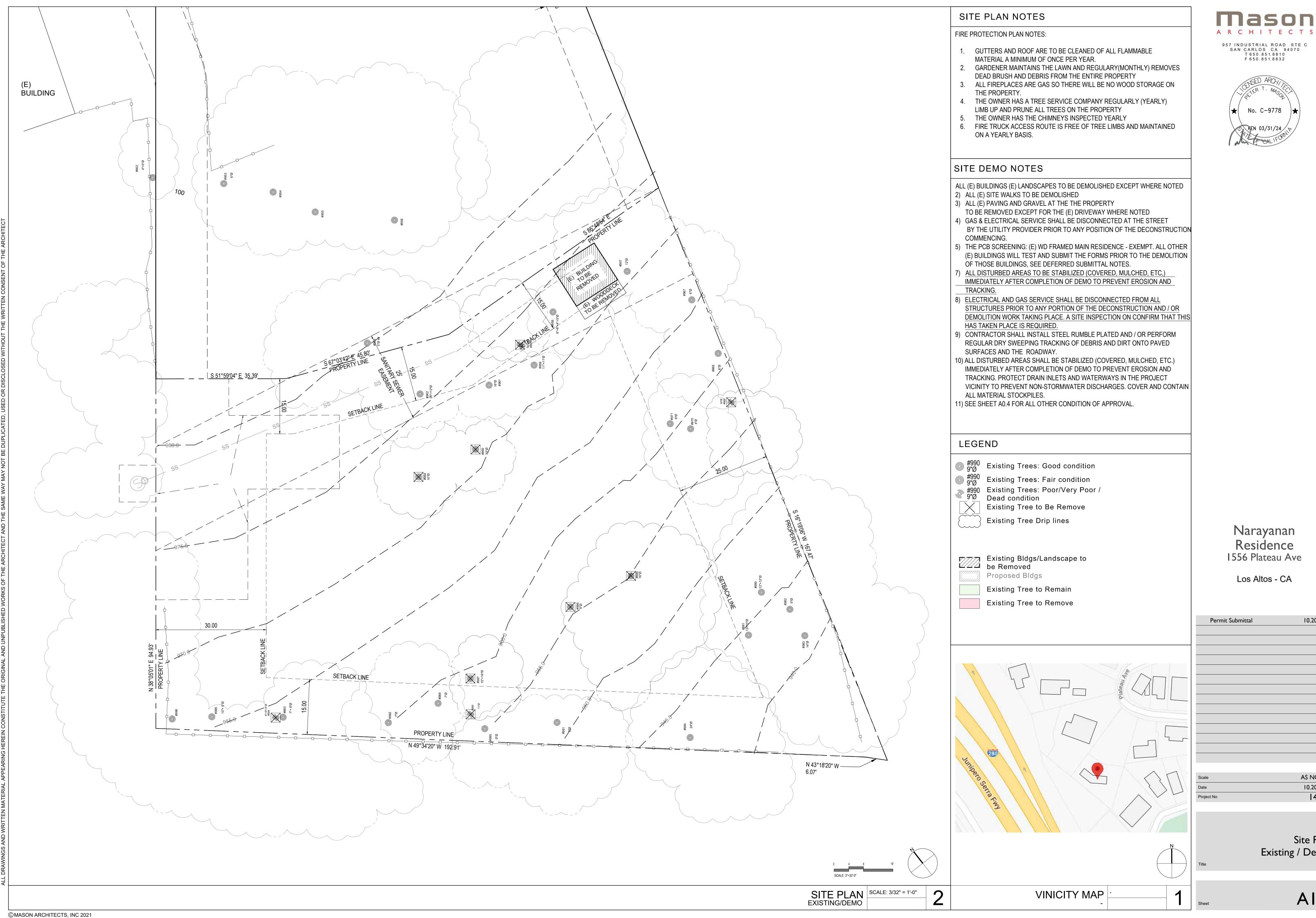


Narayanan Residence 1556 Plateau Ave

Los Altos - CA

		Permit Sub	mittal	10.20.2022
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		Scale		AS NOTED
		Date		10.20.2022
)		Project No		14127
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Title 24



10.20.2022 AS NOTED 10.20.2022 14127

> Site Plan Existing / Demo

AI.0







Narayanan Residence 1556 Plateau Ave

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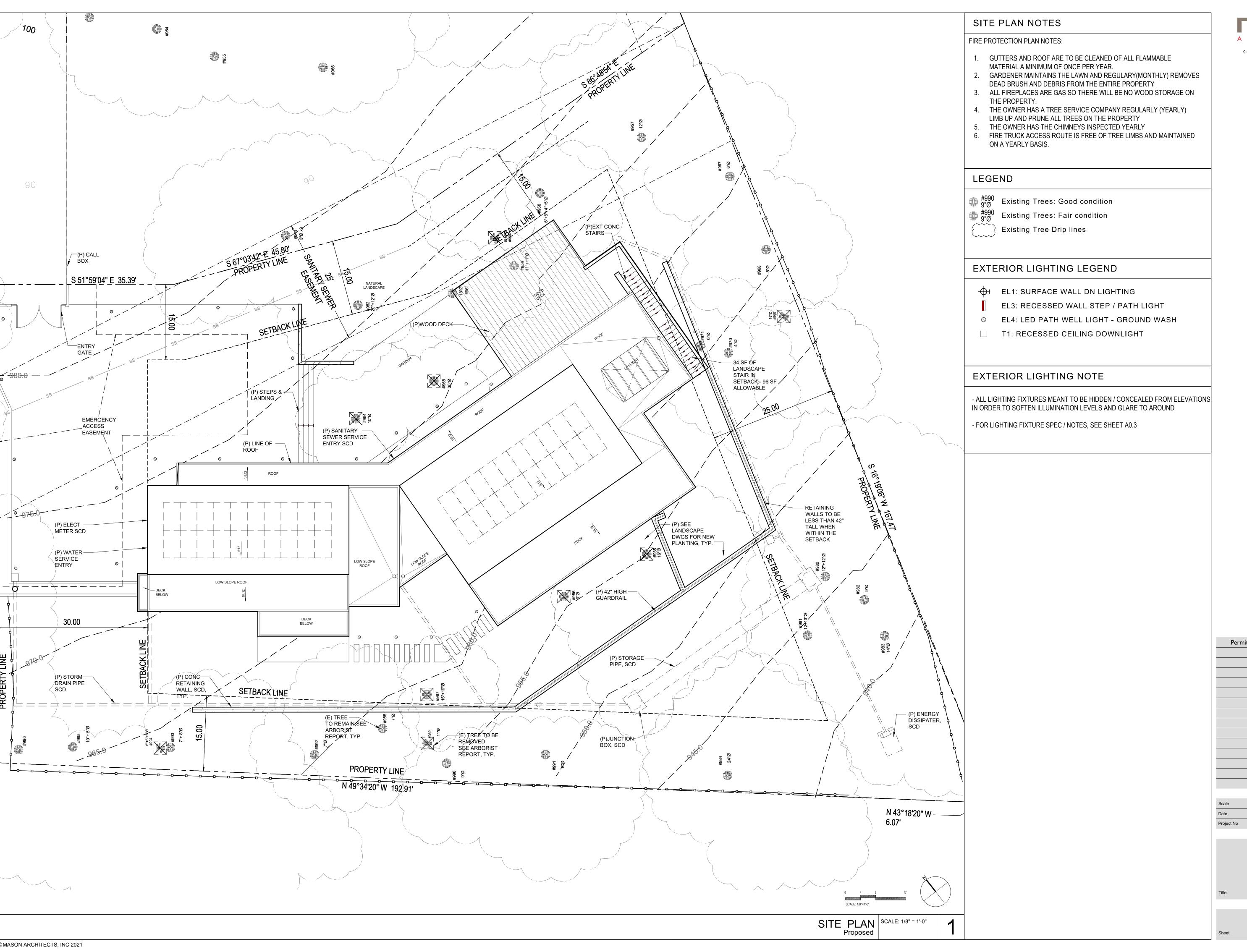
Permit Submittal	10.20.2022
Scale	AS NOTED

Scale	AS NOTED
Date	10.20.2022
Project No	14127

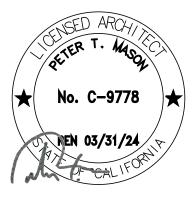
Overall Site Plan

AI.I

OVERALL SITE PLAN Proposed SCALE: 1" = 20'-0"







Narayanan Residence 1556 Plateau Ave

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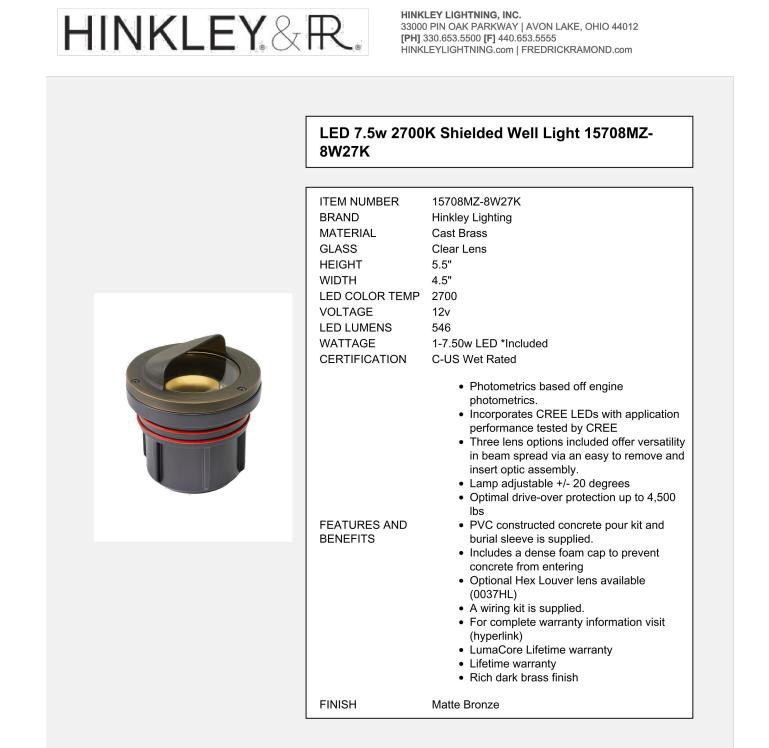
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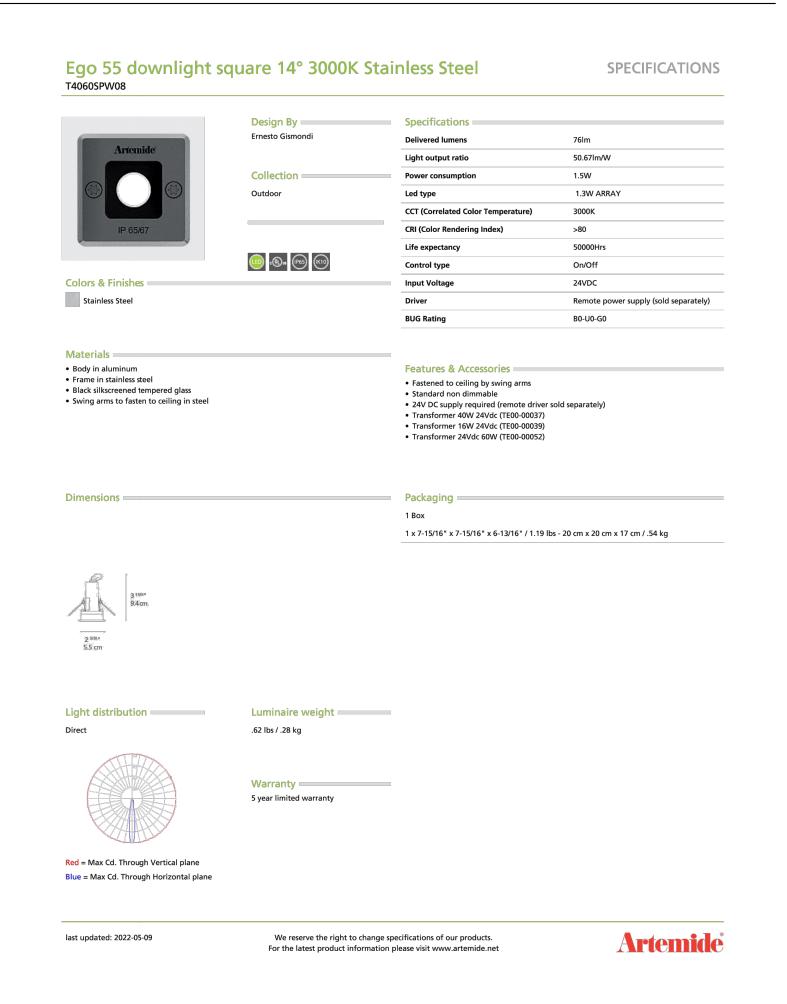
Proposed Site Plan

AI.2

EXTERIOR LIGHTING EL4- QUANTITY 22



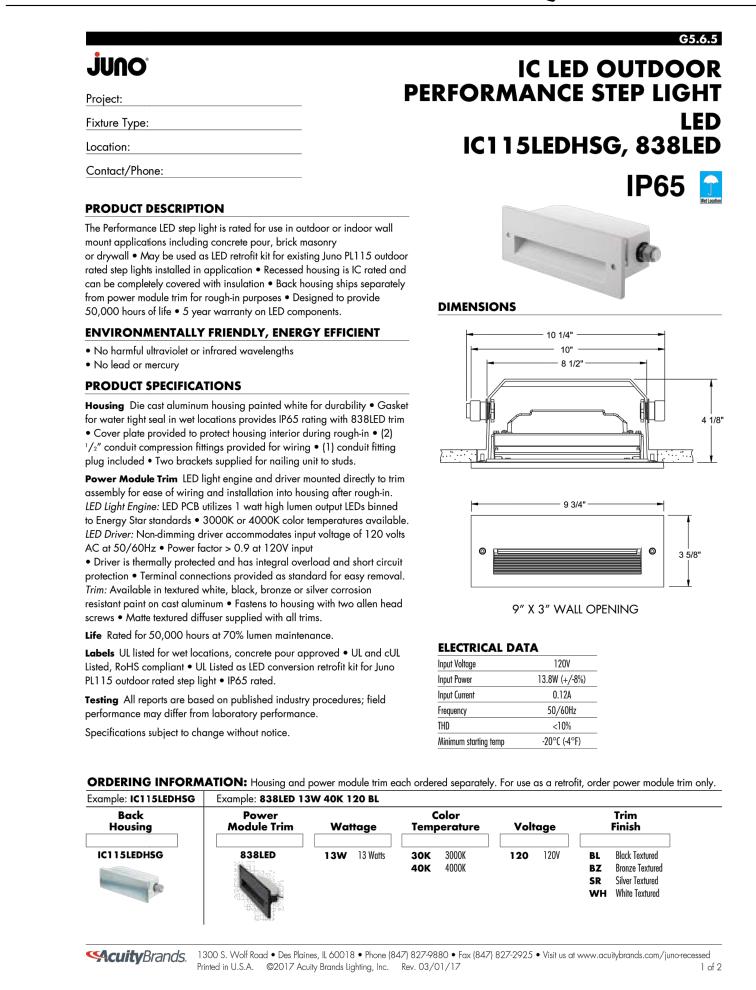
EXTERIOR LIGHTING TI- QUANTITY 27



EXTERIOR LIGHTING ELI- QUANTITY 5



EXTERIOR LIGHTING EL3- QUANTITY 33



EXTERIOR LIGHTING LEGEND

EL1: SURFACE WALL DN LIGHTING

EL3: RECESSED WALL STEP / PATH LIGHT

© EL4: LED PATH WELL LIGHT - GROUND WASH

☐ T1: RECESSED CEILING DOWNLIGHT

EXTERIOR LIGHTING NOTE

- ALL LIGHTING FIXTURES MEANT TO BE HIDDEN / CONCEALED FROM ELEVATIONS IN ORDER TO SOFTEN ILLUMINATION LEVELS AND GLARE TO AROUND

- FOR LIGHTING FIXTURE SPEC / NOTES, SEE SHEET A0.3





Narayanan Residence 1556 Plateau Ave

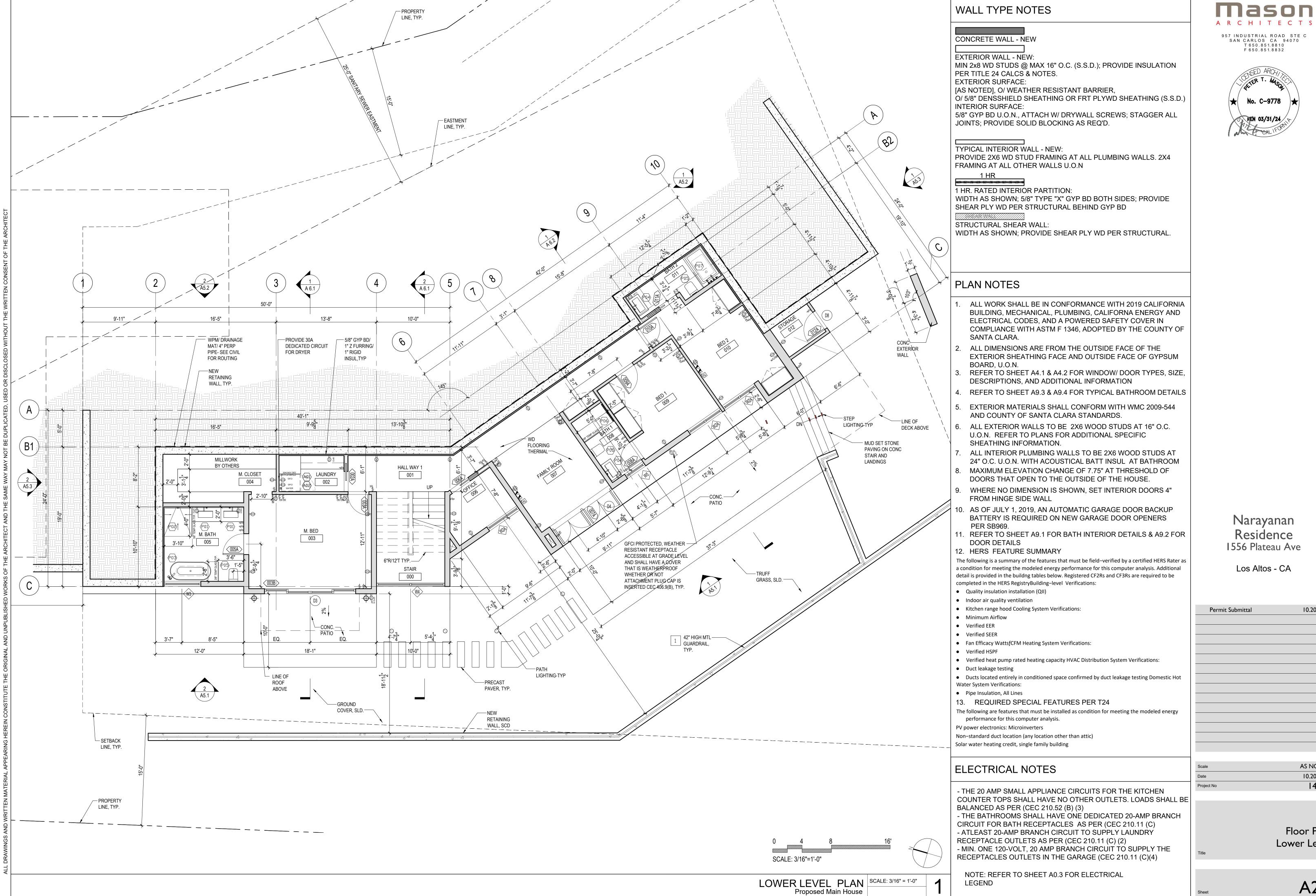
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Exterior Lighting

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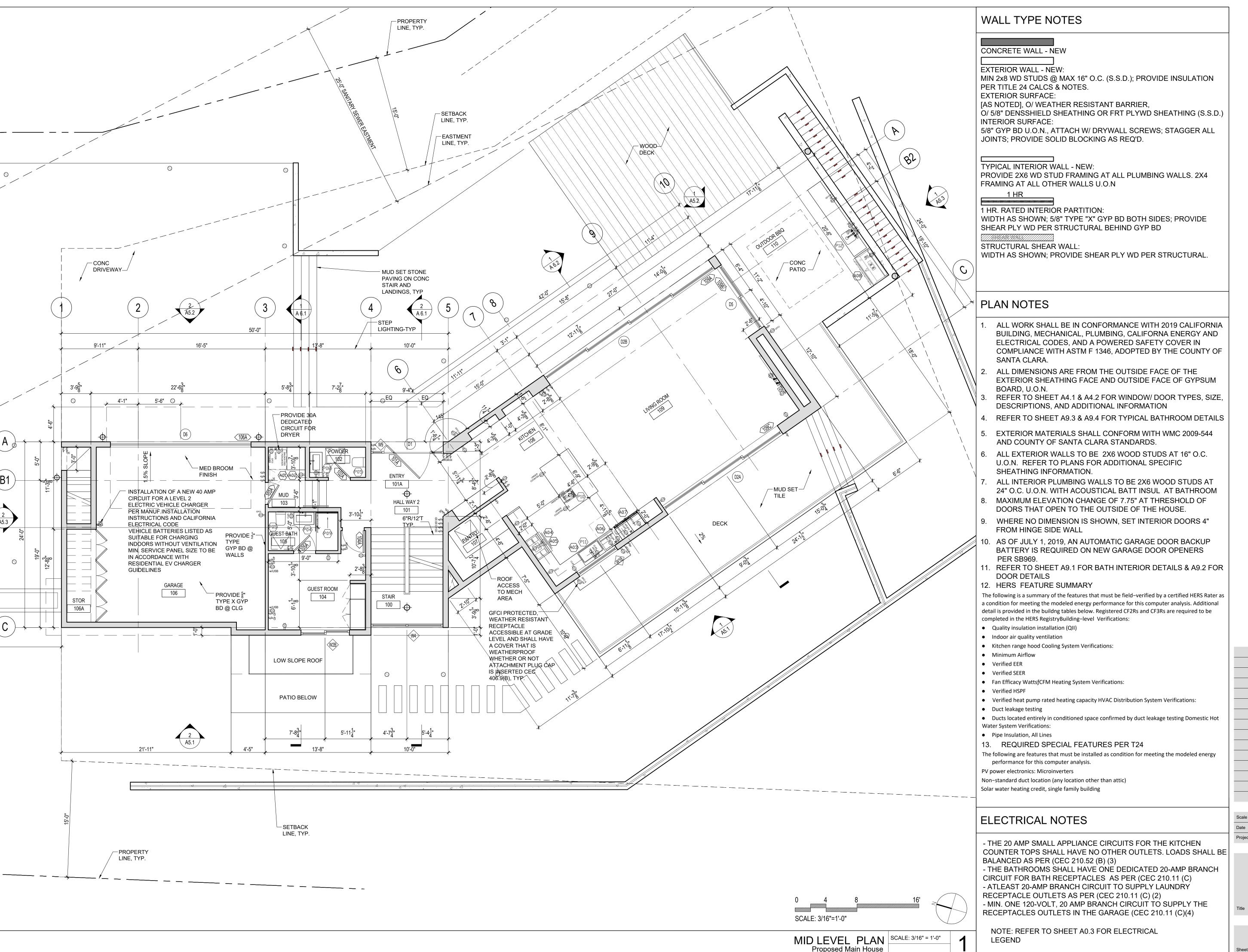


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Floor Plan Lower Level

A2.1



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Narayanan Residence 1556 Plateau Ave

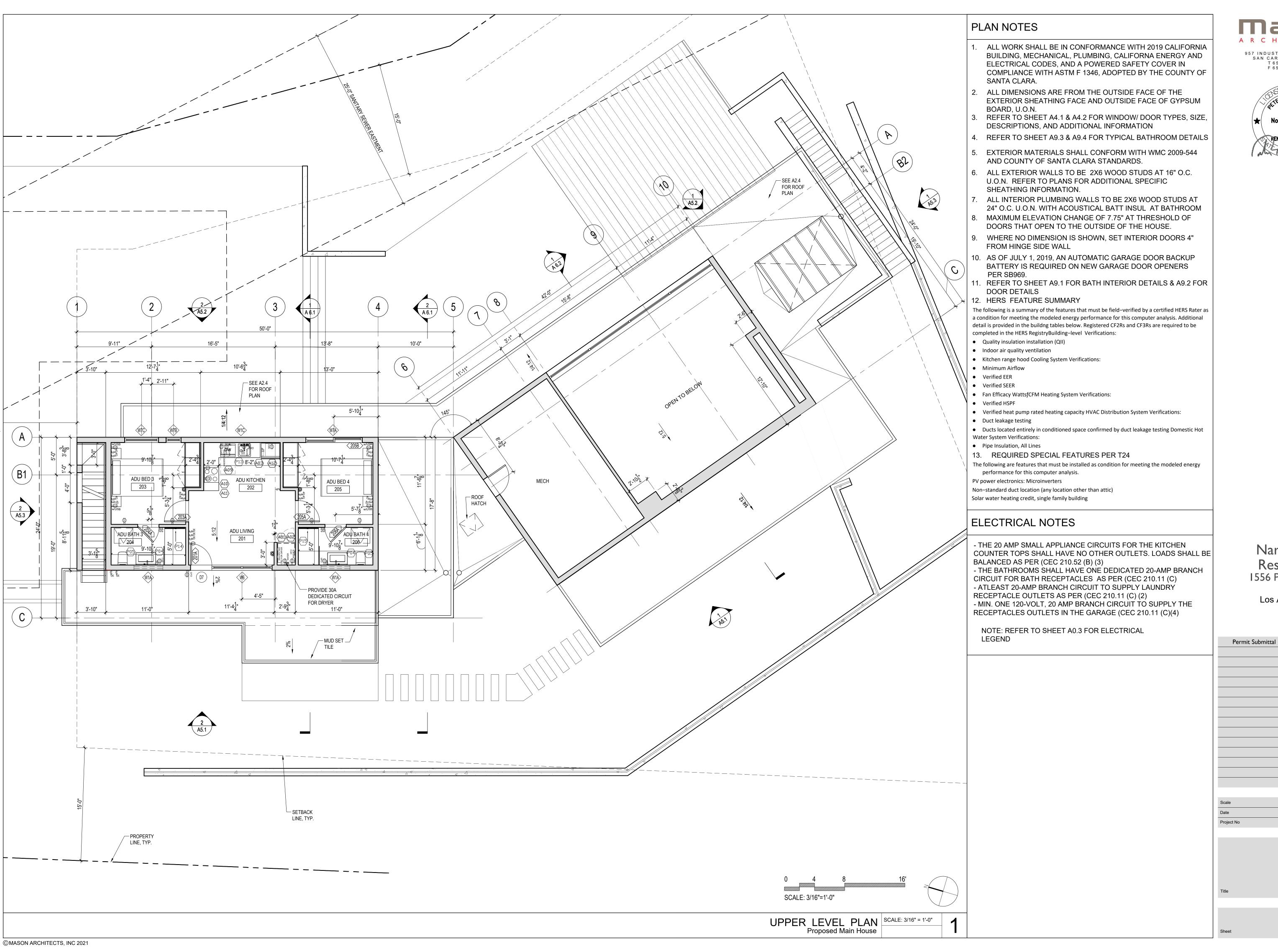
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Floor Plan Mid Level

A2.2



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Narayanan Residence 1556 Plateau Ave

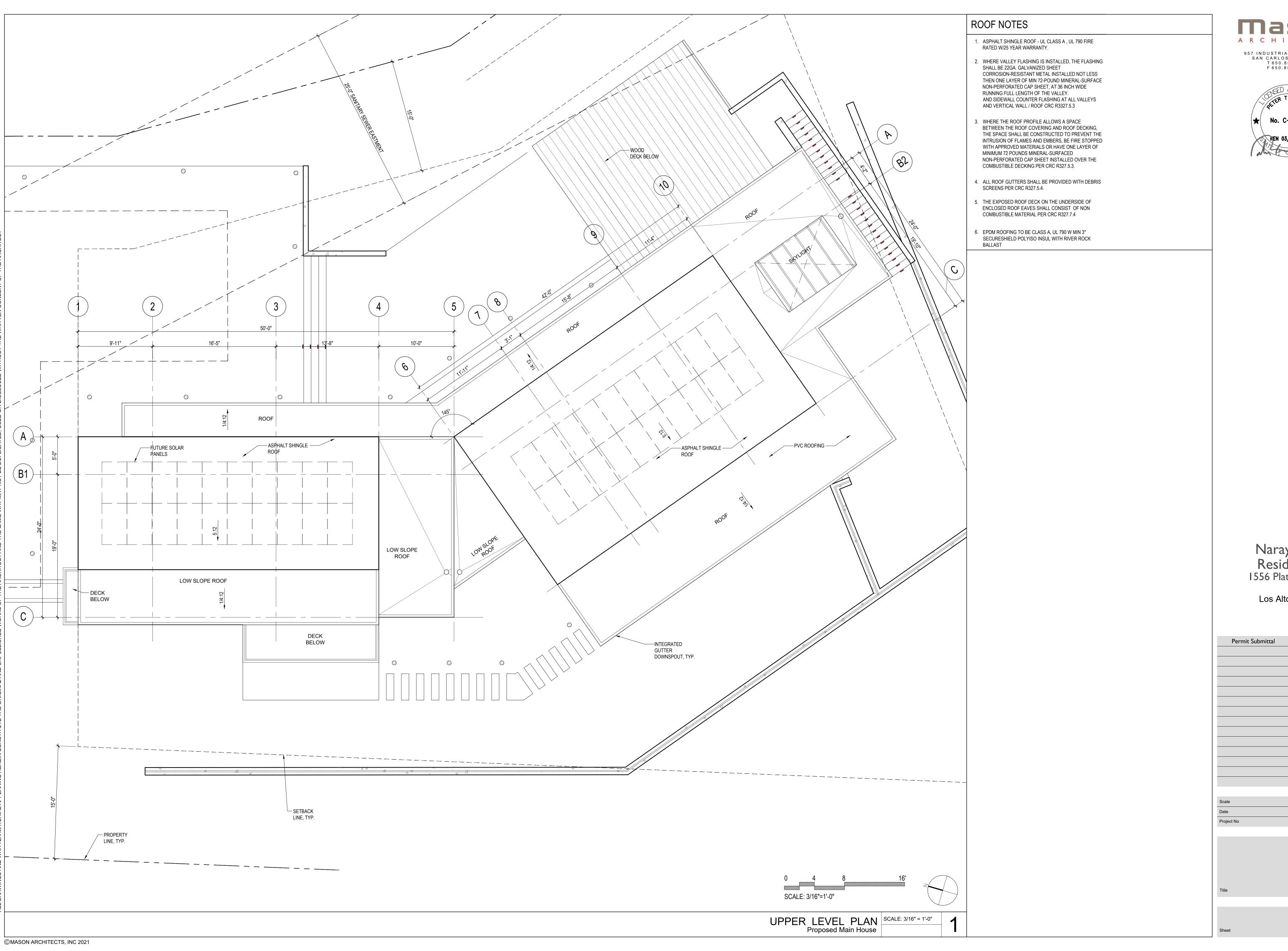
Los Altos - CA

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Date	10.20.2022
Project No	14127

Floor Plan Upper Level

10.20.2022

A2.3



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957 INDUSTRIAL ROAD STE C SAN CARLOS CA 94070 T 650.851.8810 F 650.851.8832



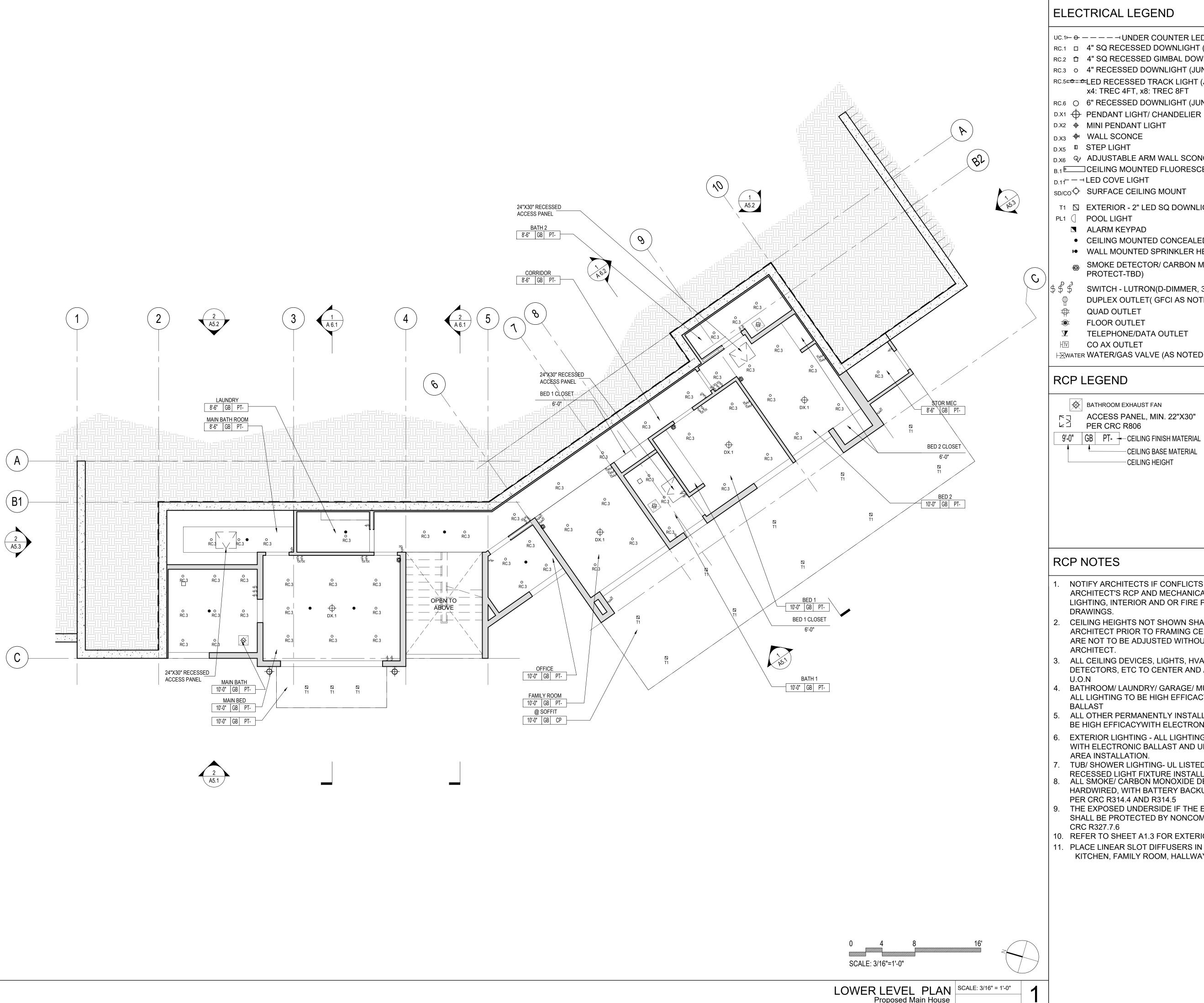
Narayanan Residence 1556 Plateau Ave

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te	10.20.2022
pject No	14127

Floor Plan Roof



ELECTRICAL LEGEND

- RC.1

 4" SQ RECESSED DOWNLIGHT (JUNO)
- RC.2 1 4" SQ RECESSED GIMBAL DOWNLIGHT (JUNO)
- RC.3 O 4" RECESSED DOWNLIGHT (JUNO) ("A" DENOTES WET RC.5 EXELED RECESSED TRACK LIGHT (JUNO) LOCATION)
- RC.6 O 6" RECESSED DOWNLIGHT (JUNO)

- D.X6 Q ADJUSTABLE ARM WALL SCONCE
- B.1 CEILING MOUNTED FLUORESCENT
- SD/CO

 → SURFACE CEILING MOUNT
- T1 ☐ EXTERIOR 2" LED SQ DOWNLIGHT
- PL1 POOL LIGHT
- ALARM KEYPAD
- CEILING MOUNTED CONCEALED SPRINKLER HEAD
- WALL MOUNTED SPRINKLER HEAD
- SMOKE DETECTOR/ CARBON MONOXIDE DETECTOR (NEST PROTECT-TBD)
- SWITCH LUTRON(D-DIMMER, 3-3 WAY)
- DUPLEX OUTLET(GFCI AS NOTED)
- QUAD OUTLET
- TELEPHONE/DATA OUTLET
- H≅WATER WATER/GAS VALVE (AS NOTED)

BATHROOM EXHAUST FAN ACCESS PANEL, MIN. 22"X30" PER CRC R806 9'-0" | GB | PT- + CEILING FINISH MATERIAL

CEILING BASE MATERIAL -CEILING HEIGHT

CEILING MATERIAL LIST PT- = PAINT (COLOR-TBD) EX = EXPOSED STRUCTÚRE CP = CEMENT PLASTER P = PLASTER (INTERIOR) (SMOOTH PLASTER COATING) GB = GYPSUM BOARD

PLW = PLYWOOD C = CONCRETE WD = WOOD STN = STAINS (COLOR-TBD)

- NOTIFY ARCHITECTS IF CONFLICTS OCCUR BETWEEN ARCHITECT'S RCP AND MECHANICAL, ELECTRICAL, PLUMBING, LIGHTING, INTERIOR AND OR FIRE PROTECTION SYSTEM
- CEILING HEIGHTS NOT SHOWN SHALL BE REVIEWED WITH THE ARCHITECT PRIOR TO FRAMING CEILINGS. CEILING HEIGHTS ARE NOT TO BE ADJUSTED WITHOUT APPROVAL OF THE
- ALL CEILING DEVICES, LIGHTS, HVAC, SPRINKLERS, SMOKE DETECTORS, ETC TO CENTER AND ALIGN OTHER FIXTURES.
- BATHROOM/ LAUNDRY/ GARAGE/ MUD ROOM/ STORAGE AREAS-ALL LIGHTING TO BE HIGH EFFICACY WITH ELECTRONIC
- 5. ALL OTHER PERMANENTLY INSTALLED INTERIOR LIGHTING TO BE HIGH EFFICACYWITH ELECTRONIC BALLSATS
- 6. EXTERIOR LIGHTING ALL LIGHTING TO BE HIGH EFFICACY WITH ELECTRONIC BALLAST AND UL LISTED FOR EXTERIOR AREA INSTALLATION.
- 7. TUB/ SHOWER LIGHTING- UL LISTED FOR DAMP PROOF
- RECESSED LIGHT FIXTURE INSTALLATION ALL SMOKE/ CARBON MONOXIDE DETECTORS SHALL BE HARDWIRED, WITH BATTERY BACKUP, AND INTERCONNECTED, PER CRC R314.4 AND R314.5
- 9. THE EXPOSED UNDERSIDE IF THE EXTERIOR PORCH CEILING SHALL BE PROTECTED BY NONCOMBUSTIBLE MATERIAL PER
- 10. REFER TO SHEET A1.3 FOR EXTERIOR LIGHTING DETAILS
- 11. PLACE LINEAR SLOT DIFFUSERS IN PUBLIC SPACES LIKE KITCHEN, FAMILY ROOM, HALLWAYS, AND ENTRY WAY.

Narayanan

mason

ARCHITECTS

957 INDUSTRIAL ROAD STE C SAN CARLOS CA 94070 T 650.851.8810 F 650.851.8832

No. C-9778

NEN 03/31/24

Los Altos - CA

10.20.2022

Permit Submittal

Residence

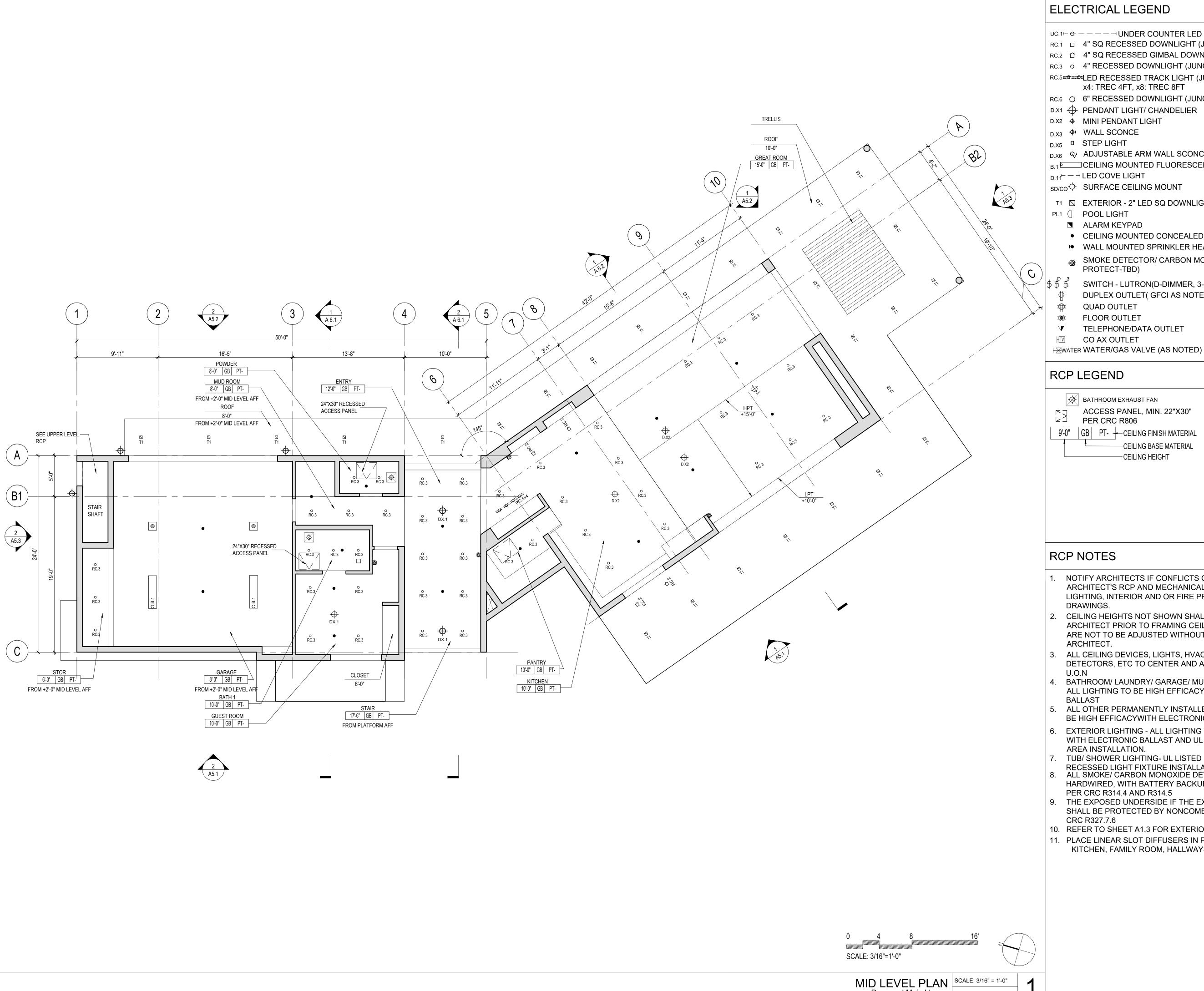
1556 Plateau Ave

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ject No	14127

Lower Level

A3.1

Proposed Main House



ELECTRICAL LEGEND

- RC.1

 4" SQ RECESSED DOWNLIGHT (JUNO)
- RC.2 1 4" SQ RECESSED GIMBAL DOWNLIGHT (JUNO)
- RC.3 O 4" RECESSED DOWNLIGHT (JUNO) ("A" DENOTES WET RC.5 EXELED RECESSED TRACK LIGHT (JUNO) LOCATION) x4: TREC 4FT, x8: TREC 8FT
- RC.6 O 6" RECESSED DOWNLIGHT (JUNO)

- D.X6 Q ADJUSTABLE ARM WALL SCONCE
- B.1 CEILING MOUNTED FLUORESCENT
- SD/CO SURFACE CEILING MOUNT
- T1 ☐ EXTERIOR 2" LED SQ DOWNLIGHT
- PL1 POOL LIGHT
- ALARM KEYPAD
- CEILING MOUNTED CONCEALED SPRINKLER HEAD
- WALL MOUNTED SPRINKLER HEAD
- SMOKE DETECTOR/ CARBON MONOXIDE DETECTOR (NEST PROTECT-TBD)
- SWITCH LUTRON(D-DIMMER, 3-3 WAY)
- DUPLEX OUTLET(GFCI AS NOTED)

- TELEPHONE/DATA OUTLET

BATHROOM EXHAUST FAN ACCESS PANEL, MIN. 22"X30" PER CRC R806 9'-0" | GB | PT- + CEILING FINISH MATERIAL

-CEILING BASE MATERIAL -CEILING HEIGHT

CEILING MATERIAL LIST PT- = PAINT (COLOR-TBD) EX = EXPOSED STRUCTÚRE CP = CEMENT PLASTER P = PLASTER (INTERIOR) (SMOOTH PLASTER COATING) GB = GYPSUM BOARD

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- 5. ALL OTHER PERMANENTLY INSTALLED INTERIOR LIGHTING TO BE HIGH EFFICACYWITH ELECTRONIC BALLSATS
- 6. EXTERIOR LIGHTING ALL LIGHTING TO BE HIGH EFFICACY WITH ELECTRONIC BALLAST AND UL LISTED FOR EXTERIOR AREA INSTALLATION.
- 7. TUB/ SHOWER LIGHTING- UL LISTED FOR DAMP PROOF
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- 9. THE EXPOSED UNDERSIDE IF THE EXTERIOR PORCH CEILING SHALL BE PROTECTED BY NONCOMBUSTIBLE MATERIAL PER
- 10. REFER TO SHEET A1.3 FOR EXTERIOR LIGHTING DETAILS
- 11. PLACE LINEAR SLOT DIFFUSERS IN PUBLIC SPACES LIKE KITCHEN, FAMILY ROOM, HALLWAYS, AND ENTRY WAY.

mason

ARCHITECTS

957 INDUSTRIAL ROAD STE C SAN CARLOS CA 94070 T 650.851.8810 F 650.851.8832

No. C-9778

NEN 03/31/24

Los Altos - CA

Narayanan

Residence

1556 Plateau Ave

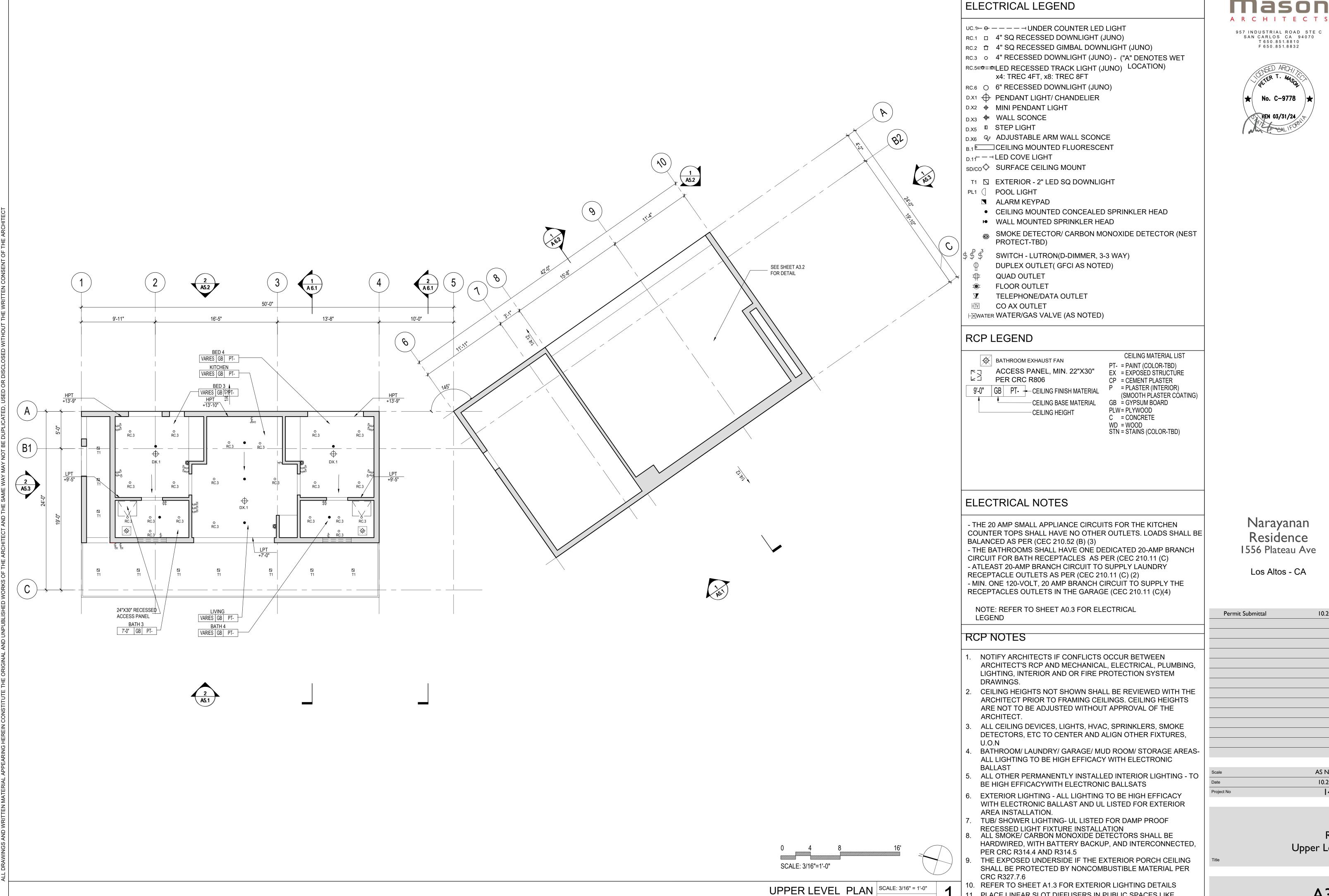
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RCP Mid Level

A3.2

Proposed Main House



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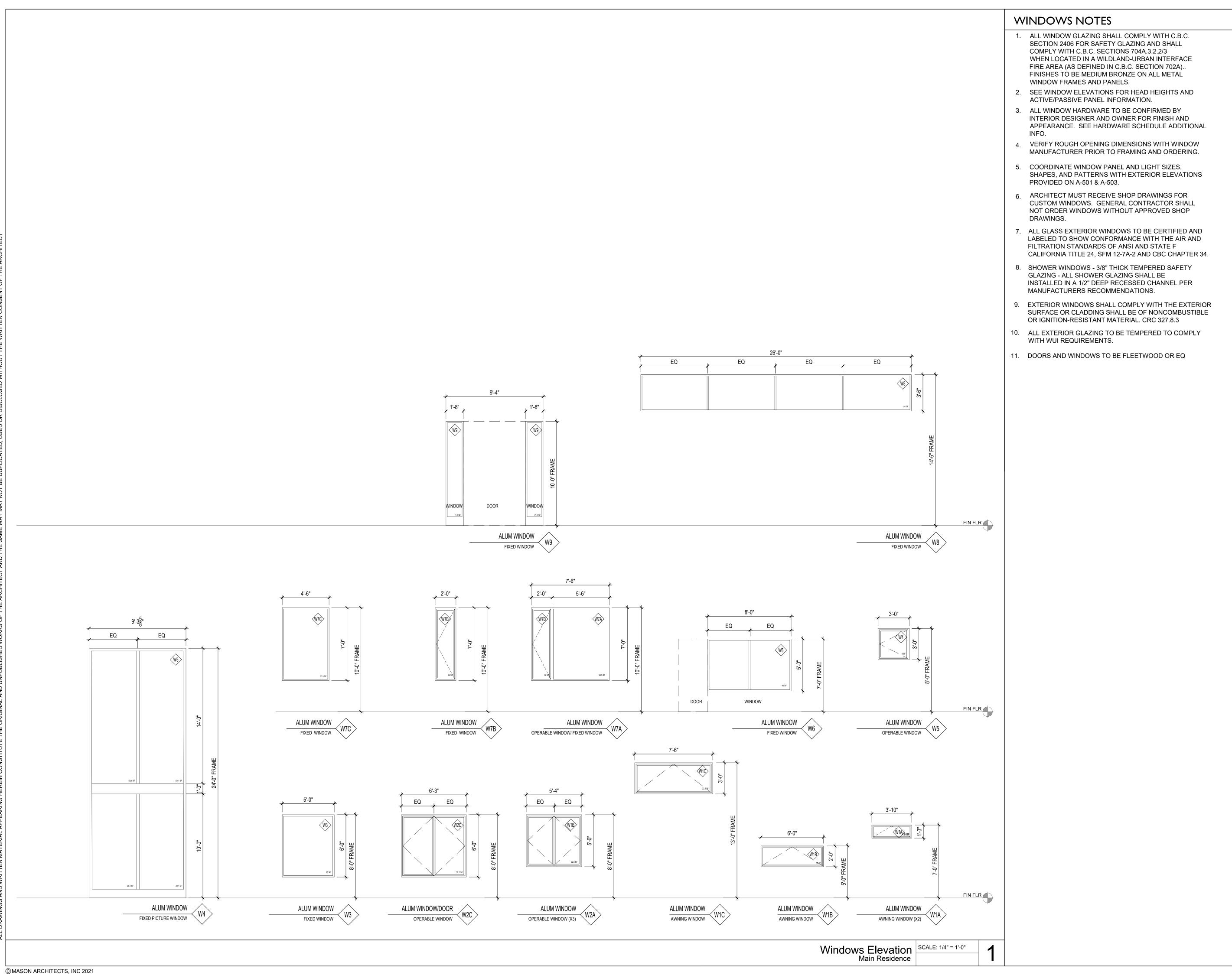
Upper Level

11. PLACE LINEAR SLOT DIFFUSERS IN PUBLIC SPACES LIKE

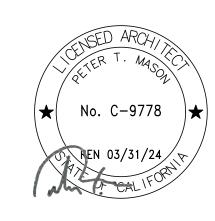
KITCHEN, FAMILY ROOM, HALLWAYS, AND ENTRY WAY.

Proposed Main House

A3.3







Narayanan Residence 1556 Plateau Ave

Los Altos - CA

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Windows Types

A4.1

SEE HARDWARE SCHEDULE ADDITIONAL INFO. SEE SCHEDULE DOUBLE SWING SEE SCHEDULE SEE SCHEDULE SINGLE STAINED -STAINED SOLID CORE SOLID CORE WOOD DOOR WOOD DOOR (SID) FOR OVÉRSIZE +/-FINISHES 1-1/2" HEAD AND JAMB PER MFR B RECOMMEN -DATIONS FIN FLR WOOD POCKET DOOR / WOOD SWING DOOR / Interior Doors Elevation | SCALE: 1/4" = 1'-0" Residence A SEE SCHEDULE EQ EQ SEE SCHEDULE SEE SCHEDULE SEE SCHEDULE EQ EQ EQ EQ EQ EQ EQ EQ SEE SCHEDULE SEE SCHEDULE ___ FIN FLR SWING DOOR D7 GARAGE DOOR D6 POOL EQUIP DOOR BLIND WD DOOR D8 LIVING ROOM DOOR SLIDING ALUM DOOR D5 FAMILY ROOM DOOR ALUM FRENCH DOOR D4 MAIN BED ROOM DOOR SLIDING ALUM DOOR D3

SEE SCHEDULE

EQ

EQ

EQ

LIVING ROOM DOOR
SLIDING ALUM DOOR
D2A

SEE SCHEDULE

 \angle

EQ

LIVING ROOM DOOR
SLIDING ALUM DOOR
D2B

(D2B)

DOOR NOTES

ALL DOOR GLAZING SHALL COMPLY WITH C.B.C. SECTION 2406 AND CRC R-327 FOR SAFETY GLAZING.

- 2. SEE DOOR & WINDOW ELEVATIONS FOR HEAD HEIGHTS AND ACTIVE/PASSIVE PANEL INFORMATION.
- ALL DOOR HARDWARE TO BE CONFIRMED BY INTERIOR DESIGNER AND OWNER FOR FINISH AND APPEARANCE.
- 4. VERIFY ROUGH OPENING DIMENSIONS WITH DOOR MANUFACTURER PRIOR TO FRAMING AND ORDERING.
- COORDINATE DOOR PANEL AND LIGHT SIZES, SHAPES, AND PATTERNS WITH EXTERIOR ELEVATIONS PROVIDED ON A-301 & A-302.
- ARCHITECT MUST RECEIVE SHOP DRAWINGS FOR CUSTOM GLAZED DOORS. GENERAL CONTRACTOR SHALL NOT ORDER DOORS WITHOUT APPROVED SHOP DRAWINGS.
- ALL EXTERIOR GLAZING AND DOOR ASSEMBLIES SHALL COMPLY WITH C.B.C. SECTIONS 704A.3.2.2/3 WHEN LOCATED IN A WILDLAND-URBAN INTERFACE FIRE AREA (AS DEFINED IN C.B.C. SECTION 702A)..
- ALL GLASS EXTERIOR WINDOWS AND DOORS TO BE CERTIFIED AND LABELED TO SHOW CONFORMANCE WITH THE AIR AND FILTRATION STANDARDS OF ANSI AND STATE F CALIFORNIA TITLE 24, SFM 12-7A-2 AND CBC CHAPTER 34 PER CRC R-327.
- 9. SHOWER DOORS $\frac{3}{8}$ " THICK TEMPERED SAFETY GLAZING - FROSTED GRREN. HINGES AND HANDLES FINISH (SID). ALL SHOWER GLAZING SHALL BE INSTALLED IN A $\frac{1}{2}$ " DEEP RECESSED CHANNEL PER MANUFACTURERS RECOMMENDATIONS.
- 10. ALL EXTERIOR SOLID PANEL DOORS TO BE 20 MIN RATED AND WEATHERSTRIPPED.
- EXTERIOR DOORS SHALL COMPLY WITH THE EXTERIOR SURFACE OR CLADDING SHALL BE OF NONCOMBUSTIBLE OR IGNITION-RESISTANT MATERIAL. CRC 327.8.3





Narayanan Residence 1556 Plateau Ave

Los Altos - CA

Permit Submittal	10.20.2022
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Door Types

A4.2

Exterior Doors Elevation Residence A

FIN FLR

SEE SCHEDULE

DOOR

CUSTOM ENTRY DOOR
HERCULITE DOOR W/PIVOT HINGE

D(OOR SCHEDU	JLE									
DOC	.p.	EXTERIOR/	DATING DOOR TYPE	LIDWR OFT FIN.	DOOF	R SIZE		DOOR	DETAILS	Powerds.	
NUME		CATION INTERIOR	RATING DOOR TYPE	HDWR SET	Width	Height	Thick	Finish HD	JMB SILL	Remarks	
002A	LAUNDRY	INT	В		2'-10"	7'-0''	1-3/4"	PT		POCKET SLIDING DOOR	
003A	MASTER BED	INT	A		2'-10"	7'-6"	1-3/4"	PT		SINGLE SWING DOOR	-
003B	MASTER BED	EXT	D3		12'-5"	8'-0"	1-3/4"	PT		2 PARTS SLIDING DOOR	
005A	MASTER BATH	INT	A		2'-10"	7'-6"	1-3/4"	PT			
006A	OFFICE	INT	B		3'-0"	7'-6"	1-3/4"	PT		POCKET SLIDING DOOR	
007A	FAMILY ROOM	EXT	D4		10'-0''	8'-0"	1-3/4"	PT		SWING ALUM FRENCH DOOR	
008A	BATH 1	INT	A		2'-10"	7'-6"	1-3/4"	PT		OVING ALOM INCIDENT	
009A	BED 1	INT	Δ		2'-10"	7'-6"	1-3/4"	PT			
0010A		INT	A		2'-10"	7'-6"	1-3/4"	PT			-
0011A		INT	^		2'-10"	7'-6"	1-3/4"	PT			
		EXT			2'-10"			PT		BLIND WOOD DOOR	
0012A	POOL MEC	EXI	D8		Z-1U"	7'-0''	1-3/4"	PI		DELIND WOOD DOOK	
4044	ENTEN	EVE	D4		OL OIL	401.011	4 0/411	DT		DN /OT DOOD	
101A	ENTRY	EXT	D1		6'-0"	10'-0"	1-3/4"	PT		PIVOT DOOR	
102A	POWDER	INT	A .		2'-10"	7'-6"	1-3/4"	PT			
103A	MUD ROOM	INT	A		2'-10"	7'-6"	1-3/4"	PT			
104A	GUEST ROOM	INT	A		2'-10"	7'-6"	1-3/4"	PT			
105A	GUEST BATH	INT	A		2'-10"	7'-6"	1-3/4"	PT			
106A	GARAGE	EXT	D6		18'-2"	7'-0"	1-3/4"	PT		GLASS SECTIONAL DOOR	
109A	LIVING ROOM	EXT	D2B		26'-0"	10'-0"	1-3/4"	PT		4 PARTS SLIDING GLASS DOOR	
109B	LIVING ROOM	EXT	D5		9'-8"	10'-0''	1-3/4"	PT		SLIDING GLASS DOOR	
109C	LIVING ROOM	EXT	D2A		18'-1"	10'-0"	1-3/4"	PT		3 PARTS SLIDING GLASS DOOR	
201A	ADU LIVING	EXT	A		2'-10"	7'-6"	1-3/4"	PT			
203A	BED 3	INT	A		2'-10"	7'-6"	1-3/4"	PT			
204A	BATH 3	INT	A		2'-10"	7'-6"	1-3/4"	PT			
205A	BED 4	INT	A		2'-10"	7'-6"	1-3/4"	PT			
206A	BATH 4	INT	A		2'-10"	7'-6"	1-3/4"	PT			
10			Satin Chrome		Black		70	Polished Stainless			
20		40	Satin Nickel	60	Satin Stainless		80	Satin Brass- Non Ferrous			
Notes	* Head and Jamb o	netalls Interior doors - Exterior doors	Unless otherwise noted, refer to dra - Unless otherwise noted, refer to are	wing sneet A4.3.01 for chitectural floor plans a	typical conditions nd wall sections t	s. кетег to interio for detail referenc	r design drawing ces.	gs for applied millwork or other spec	citic conditions.		
	** Sill and Threshol	d details Interior doors -	Unless otherwise noted, refer to dra - Unless otherwise noted, refer to are	wing sheet A4.3.01 for	typical conditions	s. Refer to interio for detail reference	r design drawing	gs for specific floor finish or threshol	ld conditions.		
		OTING ACTUAL DOOR LEAF DIMENSIO		•	300000113	<u></u>	- 3 - .				
	*2 Glass Partition D *3 not used	oor			T					1550	56 Plateau
 APPLIANCE SCHED	ULE				PLUM	BING S	CHEDI	JLE			
 Appliance Schedule					SYM QTY	LOCATIO	ON	DISCRIPTION	MANUFACTUR	RER MODEL NO./REMARKS	
SYM LOCATION	DISCRIPTION	ON MANUFACTURER	MODEL NO./REMA					•			

DOOR NOTES

- ALL DOOR GLAZING SHALL COMPLY WITH C.B.C. SECTION 2406 AND CRC R-327 FOR SAFETY GLAZING.
- SEE DOOR & WINDOW ELEVATIONS FOR HEAD HEIGHTS AND ACTIVE/PASSIVE PANEL INFORMATION.
- 3. ALL DOOR HARDWARE TO BE CONFIRMED BY INTERIOR DESIGNER AND OWNER FOR FINISH AND APPEARANCE. SEE HARDWARE SCHEDULE ADDITIONAL INFO.
- VERIFY ROUGH OPENING DIMENSIONS WITH DOOR MANUFACTURER PRIOR TO FRAMING AND ORDERING.
- 5. COORDINATE DOOR PANEL AND LIGHT SIZES, SHAPES, AND PATTERNS WITH EXTERIOR ELEVATIONS PROVIDED ON A-301 & A-302.
- 6. ARCHITECT MUST RECEIVE SHOP DRAWINGS FOR CUSTOM GLAZED DOORS. GENERAL CONTRACTOR SHALL NOT ORDER DOORS WITHOUT APPROVED SHOP DRAWINGS.
- 7. ALL EXTERIOR GLAZING AND DOOR ASSEMBLIES SHALL COMPLY WITH C.B.C. SECTIONS 704A.3.2.2/3 WHEN LOCATED IN A WILDLAND-URBAN INTERFACE FIRE AREA (AS DEFINED IN C.B.C. SECTION 702A)..
- ALL GLASS EXTERIOR WINDOWS AND DOORS TO BE CERTIFIED AND LABELED TO SHOW CONFORMANCE WITH THE AIR AND FILTRATION STANDARDS OF ANSI AND STATE F CALIFORNIA TITLE 24, SFM 12-7A-2 AND CBC CHAPTER 34 PER CRC R-327.
- 9. SHOWER DOORS $\frac{3}{8}$ " THICK TEMPERED SAFETY GLAZING FROSTED GRREN. HINGES AND HANDLES FINISH (SID). ALL SHOWER GLAZING SHALL BE INSTALLED IN A $\frac{1}{2}$ " DEEP RECESSED CHANNEL PER MANUFACTURERS RECOMMENDATIONS.
- 0. ALL EXTERIOR SOLID PANEL DOORS TO BE 20 MIN RATED AND WEATHERSTRIPPED.
- 11. EXTERIOR DOORS SHALL COMPLY WITH THE EXTERIOR SURFACE OR CLADDING SHALL BE OF NONCOMBUSTIBLE OR IGNITION-RESISTANT MATERIAL. CRC 327.8.3

ARCHITECTS

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Narayanan Residence 1556 Plateau Ave

Los Altos - CA

Permit Submittal	10.20.2022
Scale	AS NOTED

Scale	AS NOTED
Date	10.20.2022
Project No	14127

Schedules

A4.3

Appliance Sche										
SYM	LOCATION	DISCRIPTION	MANUFACTURER	MODEL NO./REMARKS	SYM	QTY	LOCATION	DISCRIPTION	MANUFACTURER	MODEL NO./REMARKS
				2.4 cu.ft. Smart wi-fi Enabled Compact Front Load	P01	2	_	UNDERCOUNTER SINK 24"	KOHLER	K-2215-0: Ladena- White
A01	002- LAUNDRY / 103-MUD/ 201- ADU LIVING	24" CLOTHES WASHER	LG	Washer with Built-In Intelligence WM1455HVA		2		WALL MOUNT FAUCET	PORCELANOSA	NK CONCEPT: Single Control Lavatory Faucet #100160940 NK LOGIC WALL MT-N140140074
					P02	1		SQUARE RAIN SHOWER	PORCELANOSA	NK LOGIC 12" RAIN SHOWER HEAD-N113700017 / ARM
A02	002- LAUNDRY / 103-MUD/ 201- ADU LIVING	24" CLOTHES DRYER	LG	4.2 cu.ft. Smart wi-fi Enabled Compact Front Load Dryer with Dual Inverter HeatPump™ Technology DLHC1455V		1	005- MASTER BATH	HAND SHOWER SET	NOKEN_PORCELANOSA	NK LOGIC HANDSHOWER/SUPPLY ELBOW/HOSE- N158767182
	OR	(2) CLOTHES WASHER / STACKING KIT	LG	WM3700HVA (Orig. WM4370HKA) / KSTK1	<u> </u>	1		VOLUME CONTROL TRIM	NOKEN_PORCELANOSA	LOUNGE: Volume control trim #100104655
4.00	400 KITOLIENKOOO A DULKITOLIEN	DISPOSED/AID SM/TS II	EMEDOON	EVOLUTION FOOFNIIAL VID		1		SHOWER DRAIN 36"	LUXE / EQ	Linear ShowerDrains Tl-36 / SP-36_Stainless steel
A03	108- KITCHEN/ 202-ADU KITCHEN	DISPOSER WAIR SWITCH	EMERSON	EVOLUTION ESSENTIAL XTR	P03	1		67"x30" BATH TUB	PORCELANOSA	LOUNGE OVAL 170X75 BATHTUB #100206029
A04	108-KITCHEN	36" TRANSITIONAL INDUCTION RANGE	WOLF	IR336550/S/T		1		TUB FILLER FAUCET	PORCELANOSA	LOUNGE FREESTANDING TUB FILLER-N199999463
A05	108-KITCHEN	36" CEILING-MOUNTED HOOD	WOLF	VC36C	P04	5		UNDERCOUNTER SINK 31"	L'ANTIC COLONIAL (PORCELANOSA)	Minim WD Single grey stone 20"X31"-L179703018
A06	108-KITCHEN	24" DISHWASHER	GAGGENAU	DF481 763F: INTEGRATED			- 008A/011/105/204/206	WALL MOUNT FAUCET	PORCELANOSA	NK CONCEPT: Single Control Lavatory Faucet #100160940 NK LOGIC WALL MT-N140140074
A07	108-KITCHEN	48 BUILT-IN REFRIGERATOR/FREEZER	SUB-ZERO	48" Classic Side-by-Side Refrigerator/Freezer with Dispenser - Panel Ready	P05	7	005/008A/011/102/105/204/206	TOILET/SEAT&COVER	PORCELANOSA	NK CONCEPT WALL MT TOILET-N312140103 IN-WALL TANK & FRAME
				Model # BI-48SD/O	-			FLUSH BUTTON		SMART L. DB FL PLATE-N399999737
A08	110- OUTDOOR BBQ	64" FREE STANDING PROPANE CYLINDER	NAPOLEON	PESTIGE 500	P06	1	008A-BATH 1	SQUARE RAIN SHOWER	PORCELANOSA	NK LOGIC 12" RAIN SHOWER HEAD-N113700017 / ARM
A09	202-ADU KITCHEN	24" DISHWASHER	GAGGENAU	DF481 763F: INTEGRATED		1		HAND SHOWER SET	NOKEN_PORCELANOSA	NK LOGIC HANDSHOWER/SUPPLY ELBOW/HOSE- N158767182
A10	202- ADU KITCHEN	24" ELECTRIC RANGE	GE	JAS640RMSS		1		VOLUME CONTROL TRIM	NOKEN_PORCELANOSA	LOUNGE: Volume control trim #100104655
A11		24" WALL- MOUNTED HOOD	GE	JVX3240SJ]	1		SHOWER DRAIN 36"	LUXE / EQ	Linear ShowerDrains Tl-36 / SP-36_Stainless steel
A12	202- ADU KITCHEN	30" REFRIGERATOR	GAGGENAU	RC472704: 30" FULLY INTEGRATED FREEZER		1.		BATH TUB	KOHLER	K-1821-0 Underscore:Rectangle 66"x32" -white
					P07	1	011-BATH 2	BATH TUB SPOUT	KOHLER	K-T99763-4-CP
					D00	1	<u> </u>	UNDERCOUNTER SINK 20"	KOHLER	K-2214-0: Ladena- White
					P08	1	102- POWDER	WALL MOUNT FAUCET	PORCELANOSA	NK CONCEPT: Single Control Lavatory Faucet #100160940
						1				NK LOGIC WALL MT-N140140074
					P09	1	-	SQUARE RAIN SHOWER	PORCELANOSA	NK LOGIC 12" RAIN SHOWER HEAD-N113700017 / ARM NK LOGIC HANDSHOWER/SUPPLY ELBOW/HOSE-
						1	105-GUEST BATH	HAND SHOWER SET	NOKEN_PORCELANOSA	N158767182
						1		VOLUME CONTROL TRIM	NOKEN_PORCELANOSA	LOUNGE: Volume control trim #100104655
						1		SHOWER DRAIN 36"	LUXE / EQ	Linear ShowerDrains Tl-36 / SP-36_Stainless steel
					P10	1		KITCHEN SINK (KITCHEN ISLAND)	KOHLER	Undertone Undermount bar sink K-3184- Stainless steel
						1]	KITCHEN FAUCET (KITCHEN ISLAND)	KOHLER	Simplice K-597: Pull-down kitchen sink faucet
					P11	1	108-KITCHEN	KITCHEN SINK	KOHLER	BALLAD_Top-mount K-5798-1- Stainless steel
						1	1	KITCHEN FAUCET	KOHLER	Crue_Single-handle semi-professional kitchen sink faucet #K-22973
					P12	1		UNDERMOUNT SINGLE SINK (PROVIDE SINK COVER FOR OUTDOOR BBQ SINK)	BLANCO	Precis 20-7/8" Undermount Single Basin SILGRANIT Kitchen Sink #Model:513428
						1	1	PULL-DOWN KITCHEN FAUCET	FORTIS	9255700PC: CULINARY SINGLE HANDLE
					P13	1	202-ADU KITCHEN	KITCHEN SINK	KOHLER	Undertone Undermount bar sink K-3184- Stainless steel
						1		KITCHEN FAUCET	KOHLER	Simplice K-597: Pull-down kitchen sink faucet
					P14	1		SQUARE RAIN SHOWER	PORCELANOSA	NK LOGIC 12" RAIN SHOWER HEAD-N113700017 / ARM
						1 204-ADU BATH 3		HAND SHOWER SET	NOKEN_PORCELANOSA	NK LOGIC HANDSHOWER/SUPPLY ELBOW/HOSE- N158767182
								VOLUME CONTROL TRIM	NOKEN_PORCELANOSA	LOUNGE: Volume control trim #100104655
						1		SHOWER DRAIN 36"	LUXE / EQ	Linear ShowerDrains Tl-36 / SP-36_Stainless steel
					P15	1	_	SQUARE RAIN SHOWER	PORCELANOSA	NK LOGIC 12" RAIN SHOWER HEAD-N113700017 / ARM
						1	206- ADU BATH 4	HAND SHOWER SET	NOKEN_PORCELANOSA	NK LOGIC HANDSHOWER/SUPPLY ELBOW/HOSE- N158767182

NOKEN_PORCELANOSA

LUXE / EQ

VOLUME CONTROL TRIM

LOUNGE: Volume control trim #100104655

Linear ShowerDrains Tl-36 / SP-36_Stainless steel







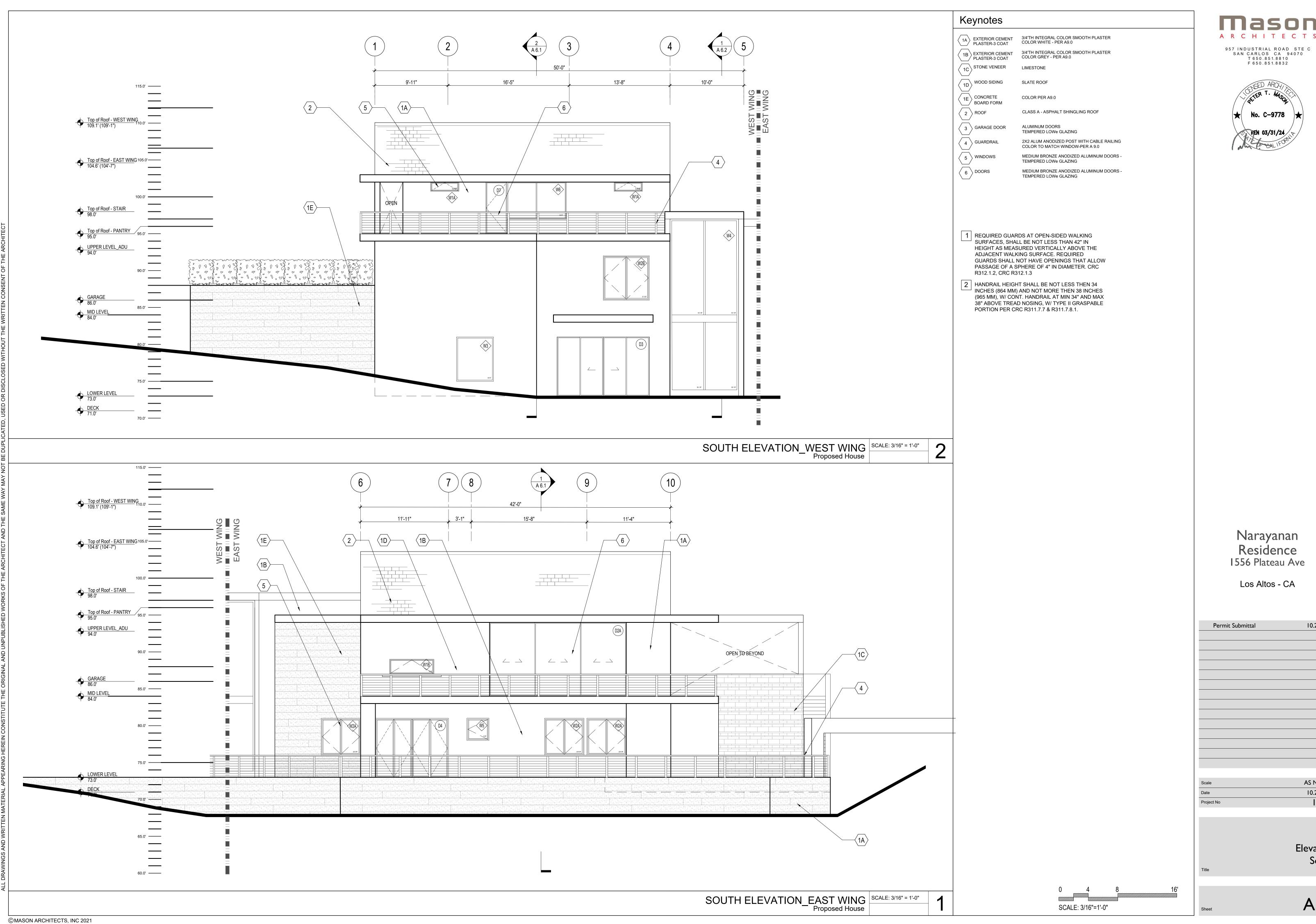




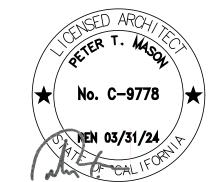
Narayanan Residence 1556 Plateau Ave

Los Altos - CA

Permit Submittal	10.20.2022
Scale	AS NOTED
Date	10.20.2022
Project No	14127
	Renderings
Title	



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Narayanan Residence 1556 Plateau Ave

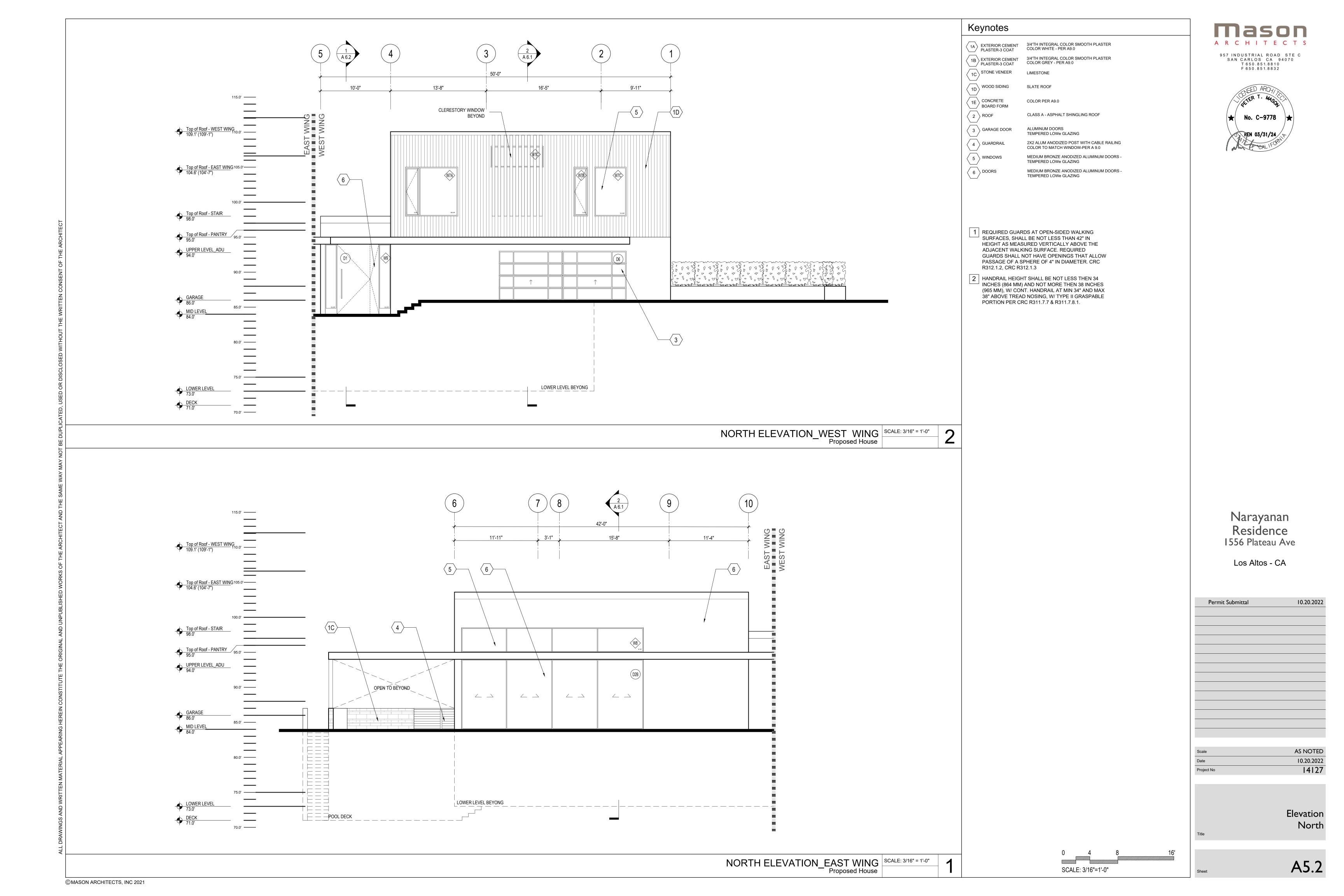
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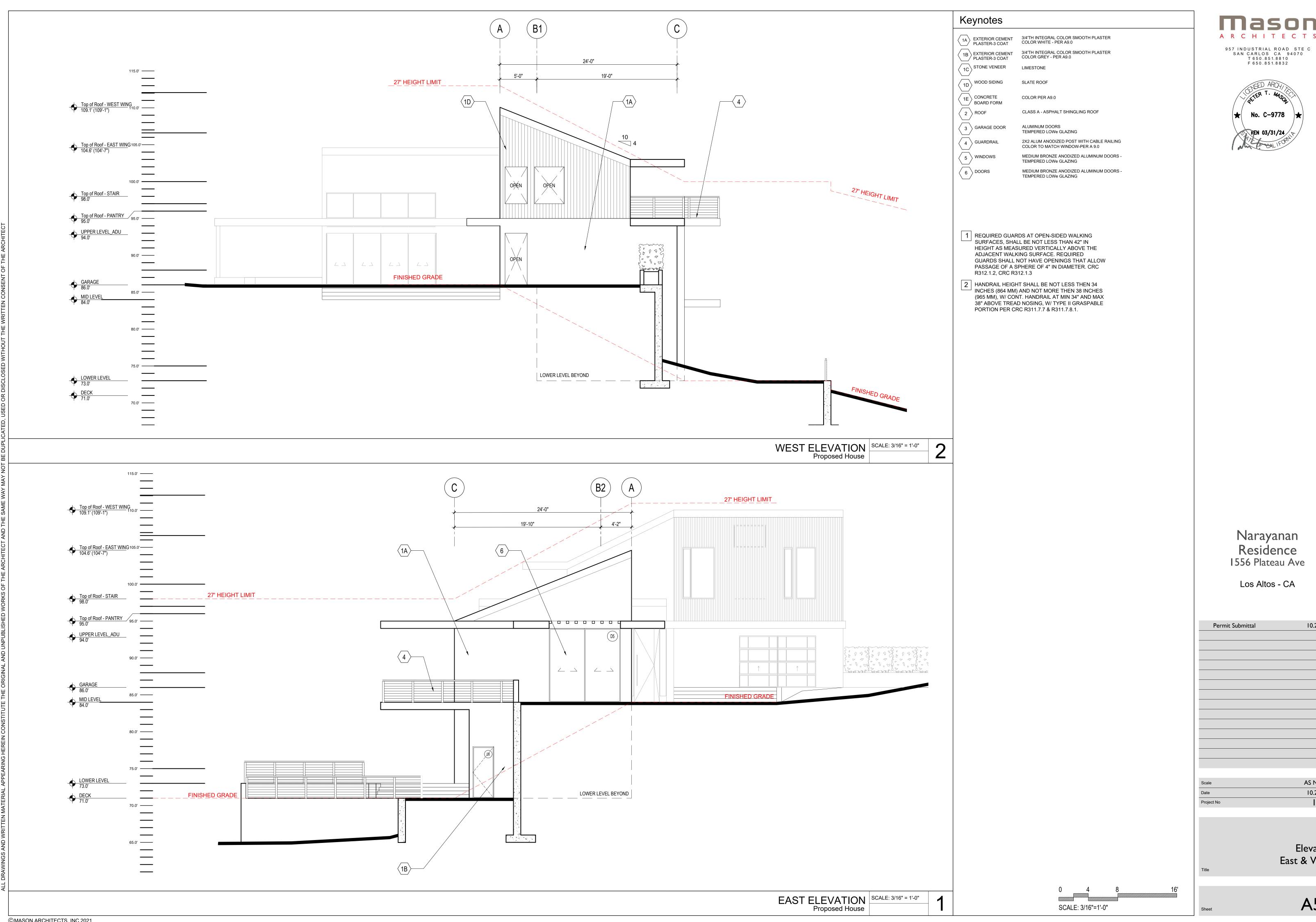
14127

Elevation

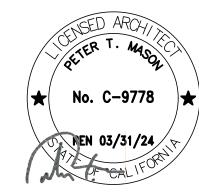
A5.1

South





mason ARCHITECTS



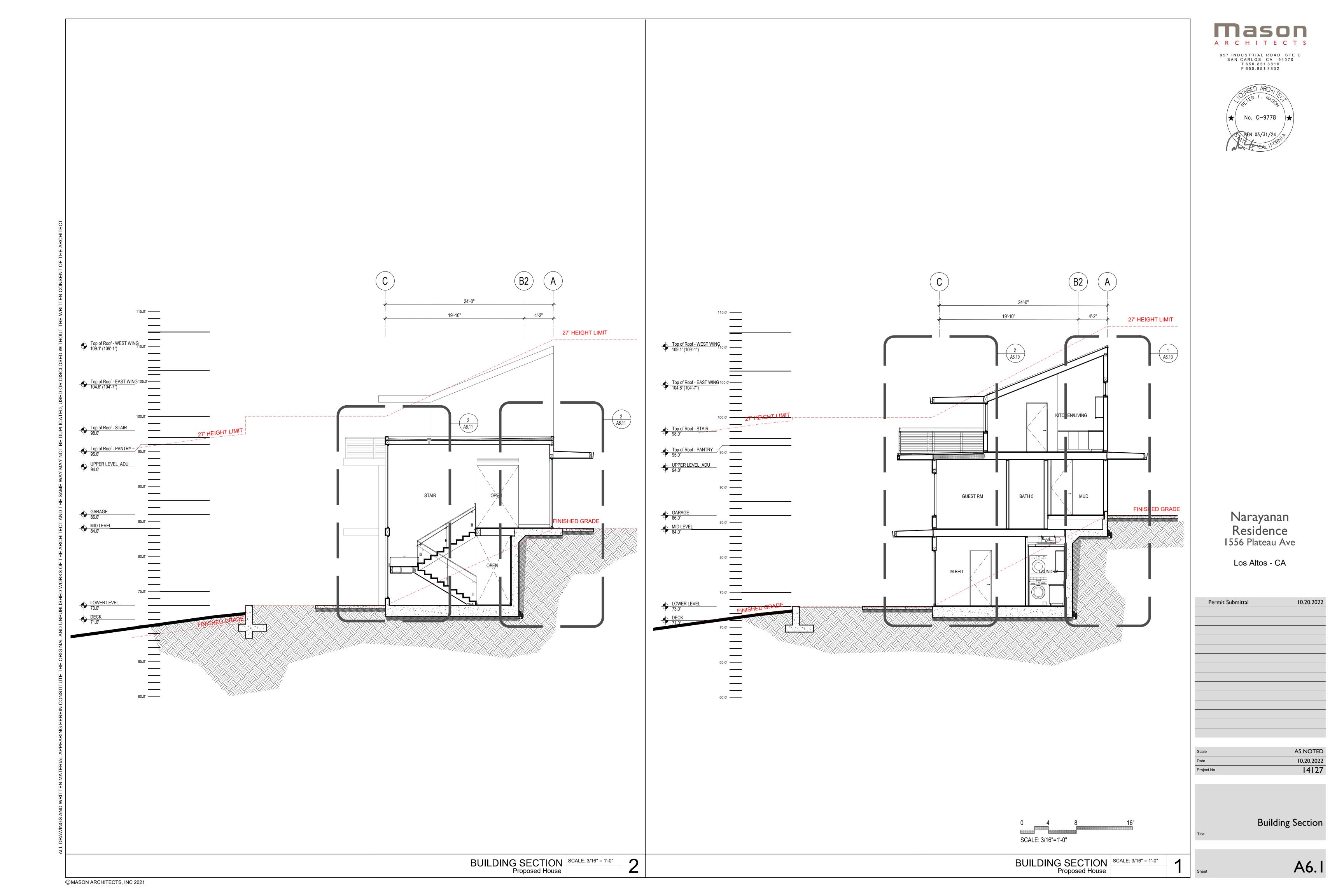
Narayanan Residence 1556 Plateau Ave

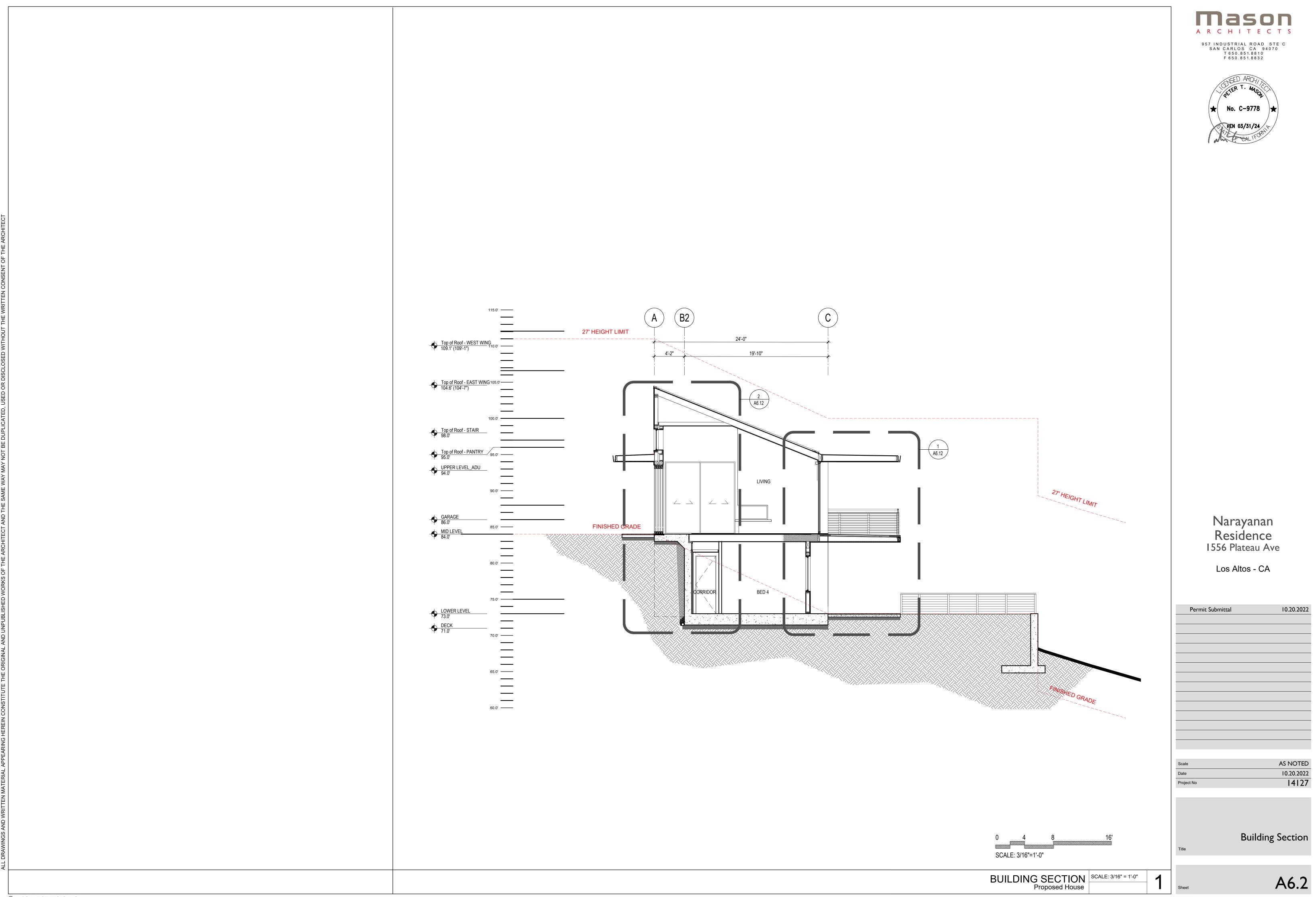
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Elevation East & West

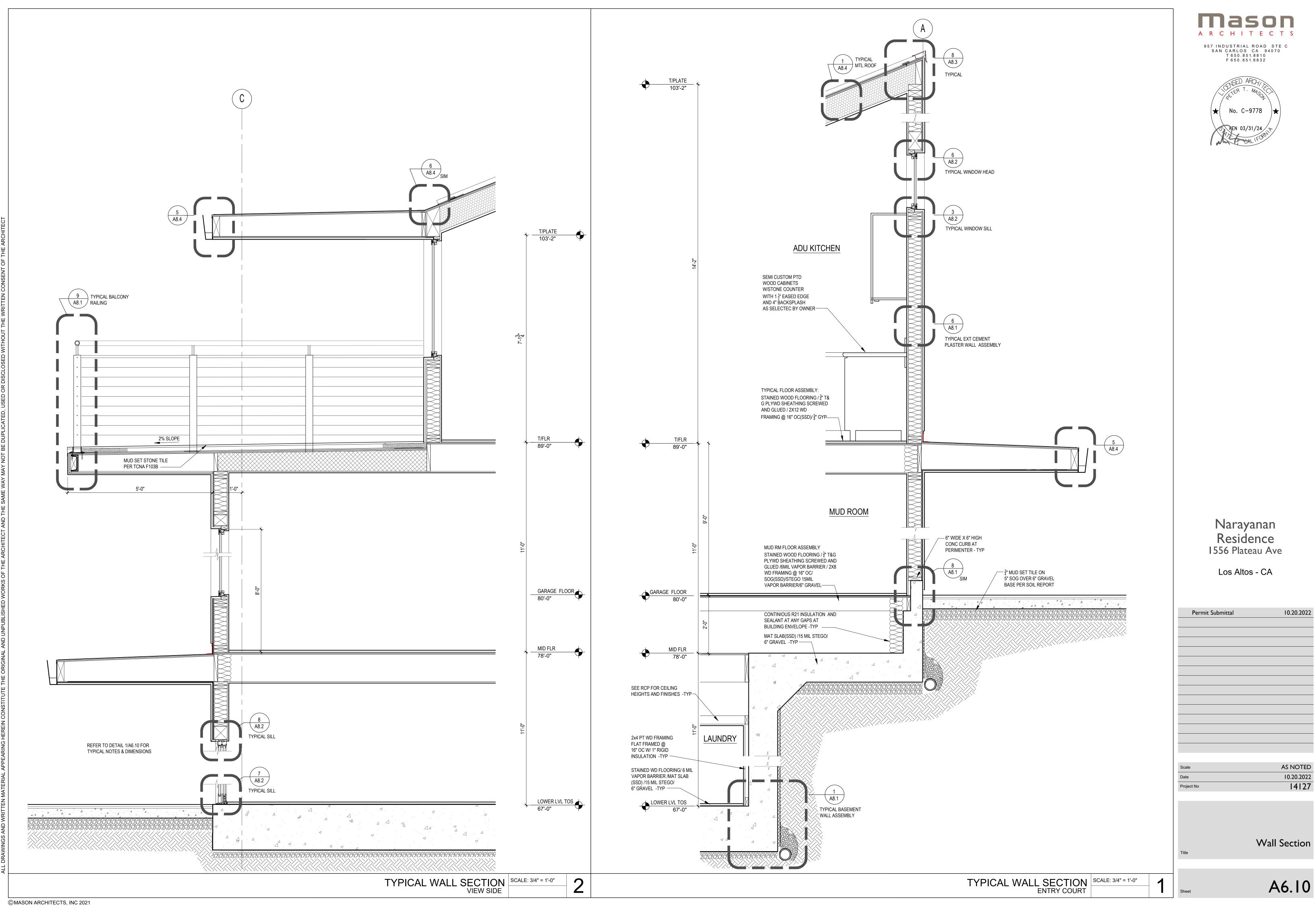
A5.3



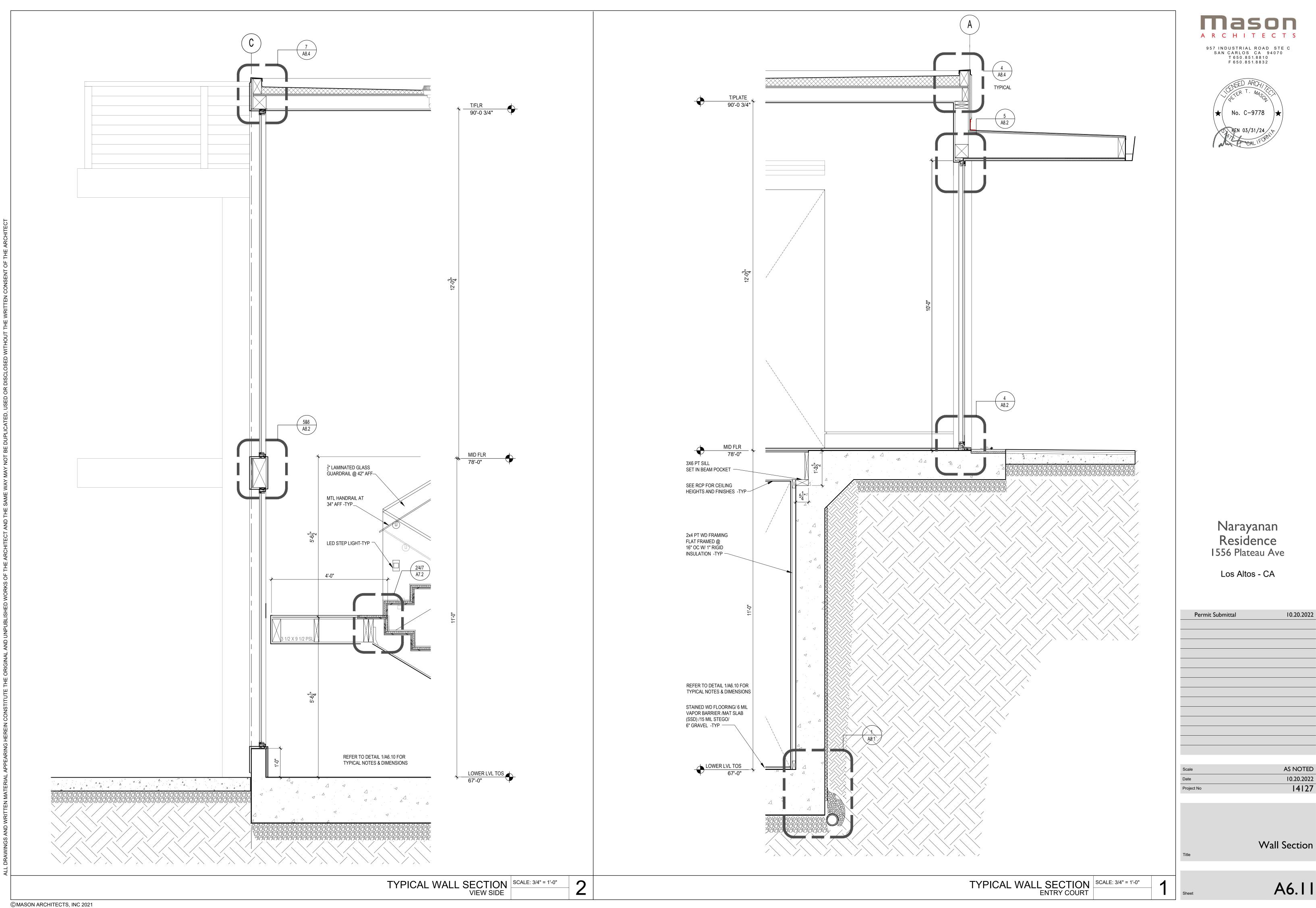


Permit Submittal	10.20.2022

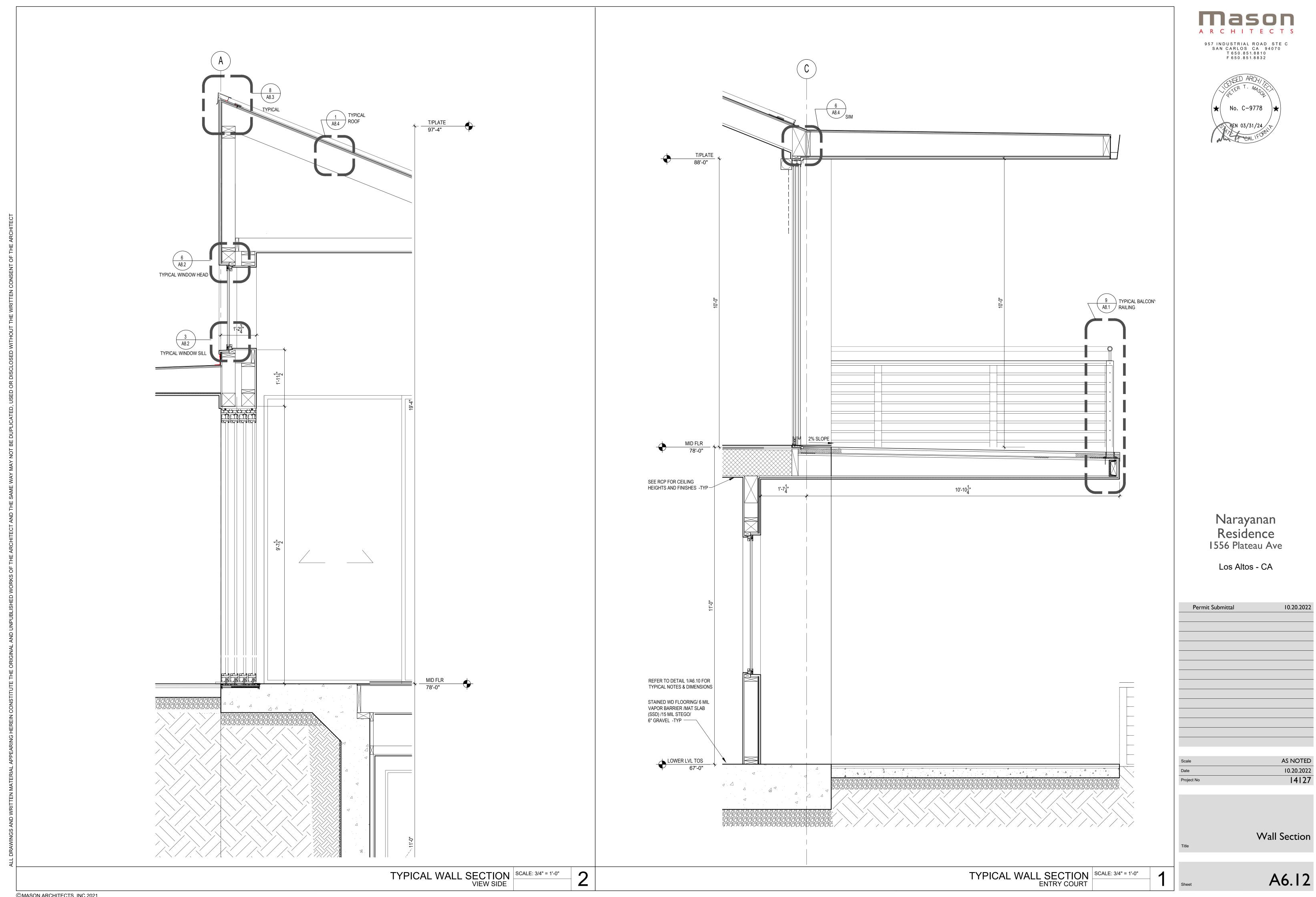
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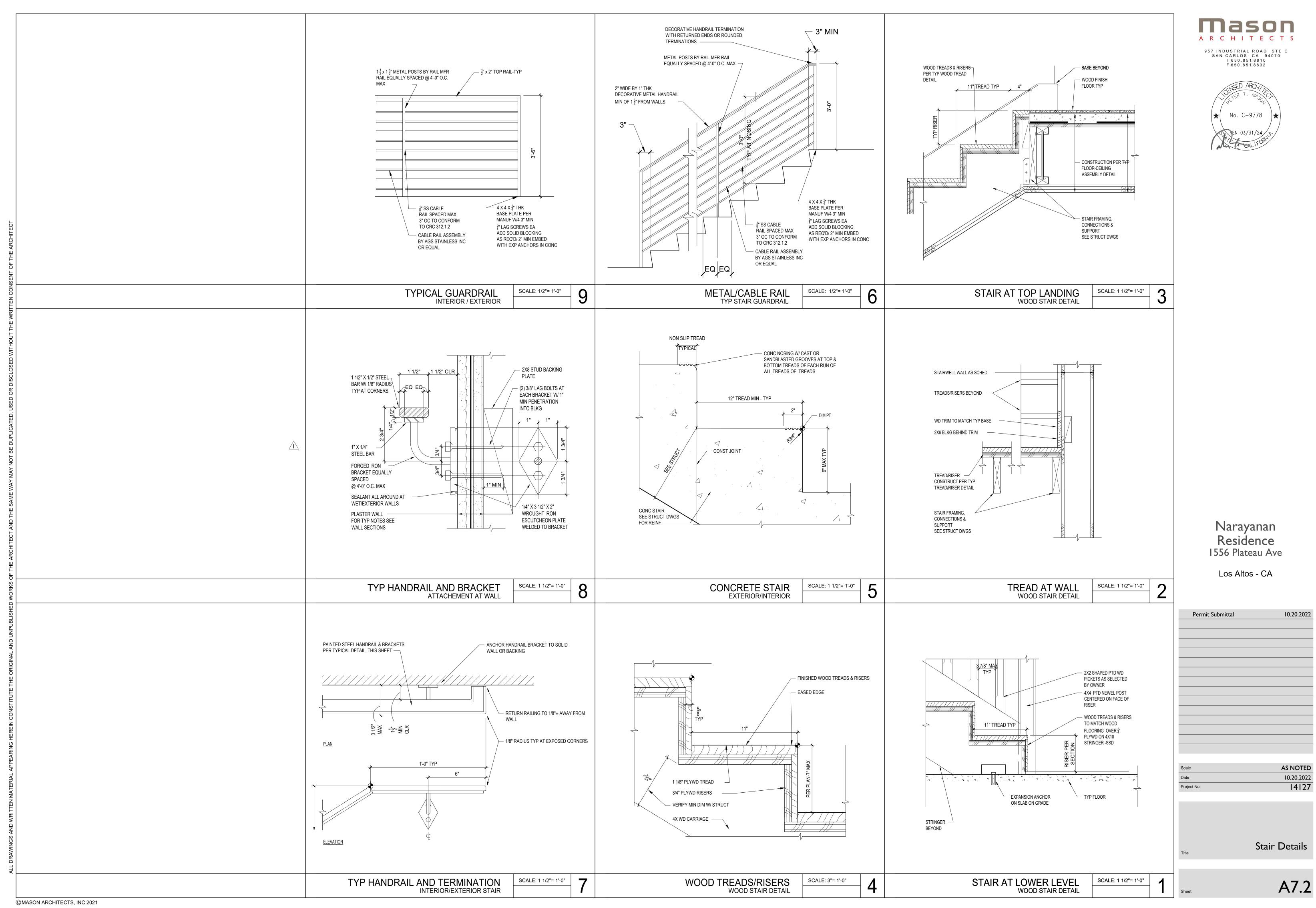
10.20.2022 AS NOTED 10.20.2022 14127

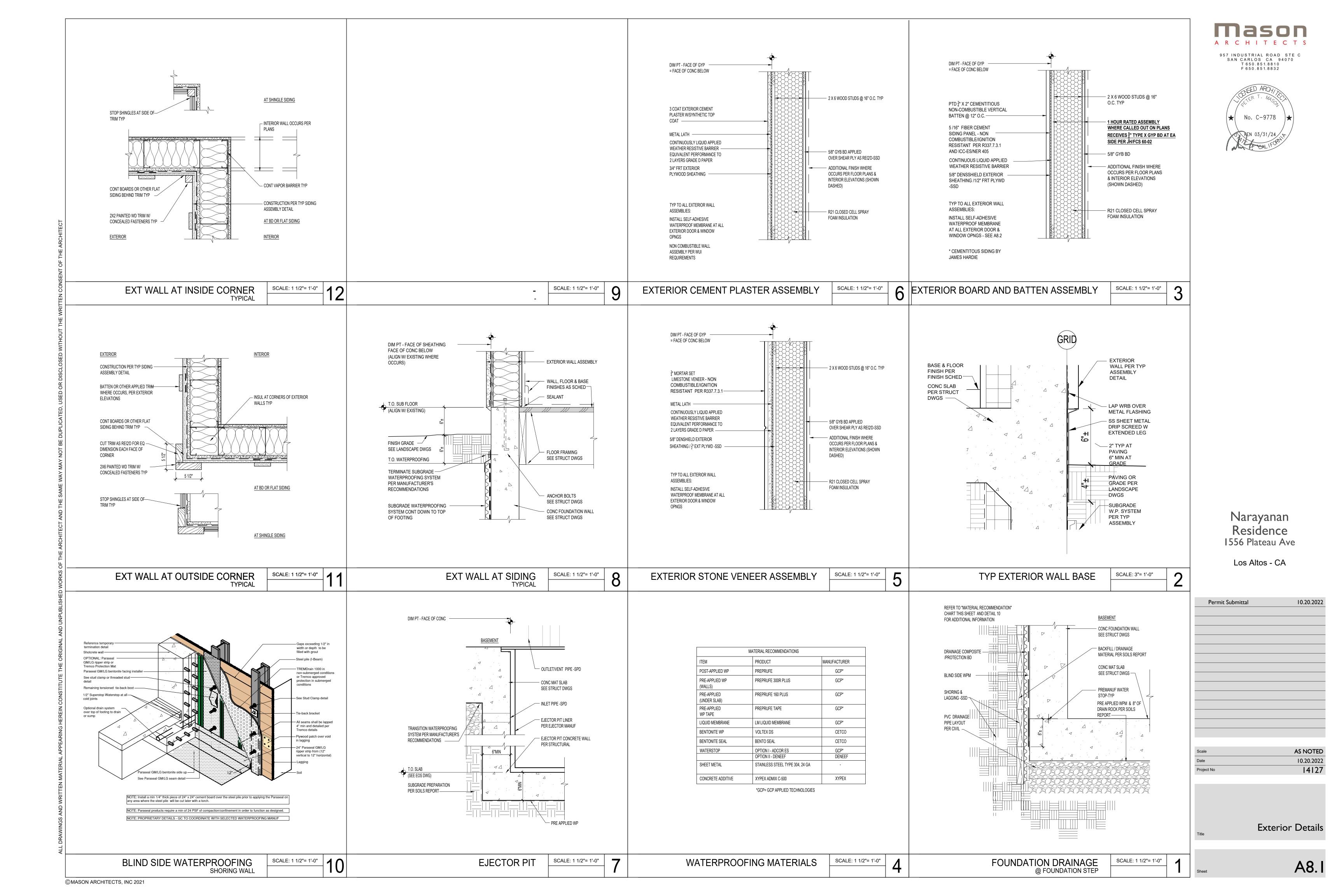


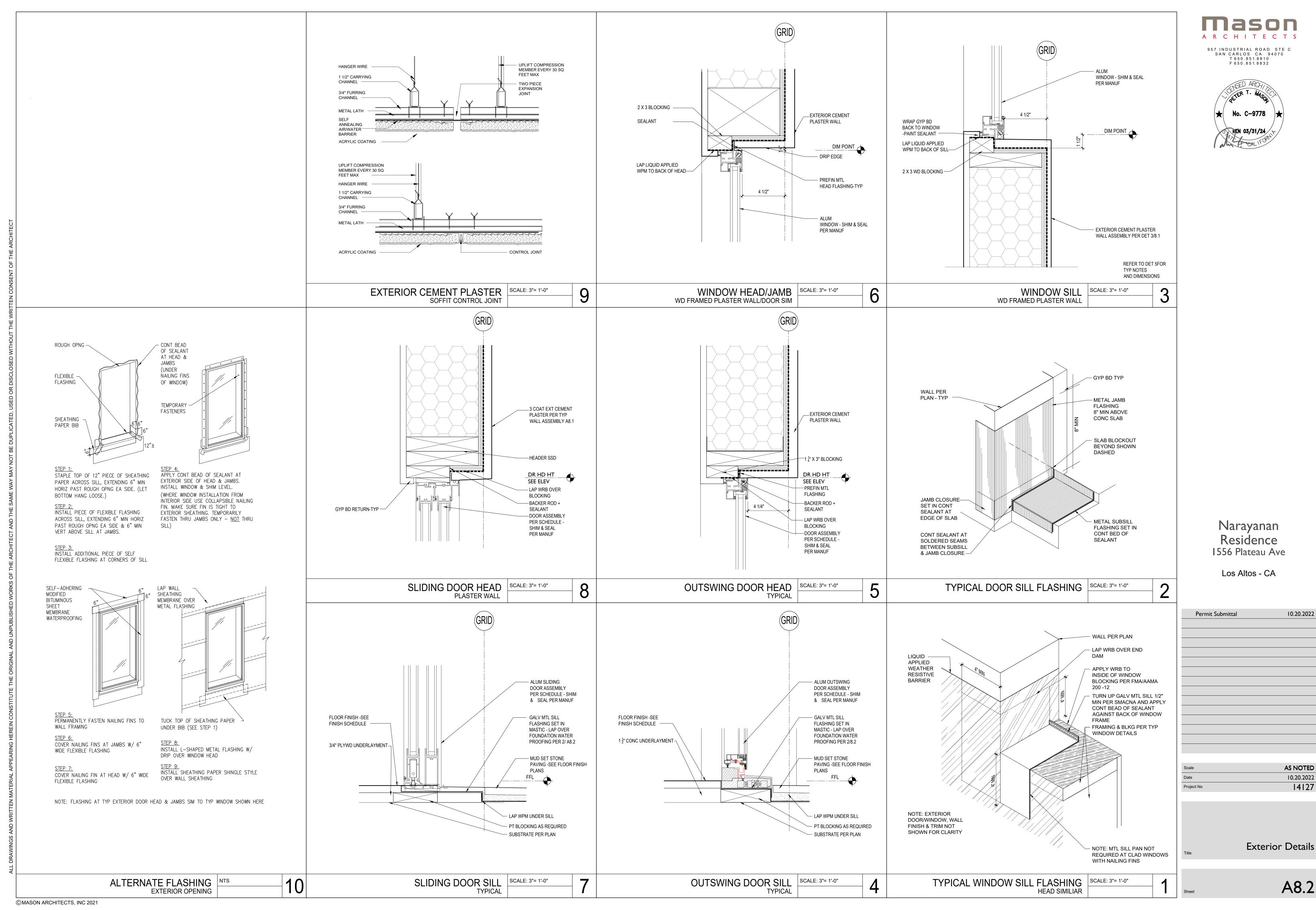
10.20.2022 AS NOTED 10.20.2022 14127



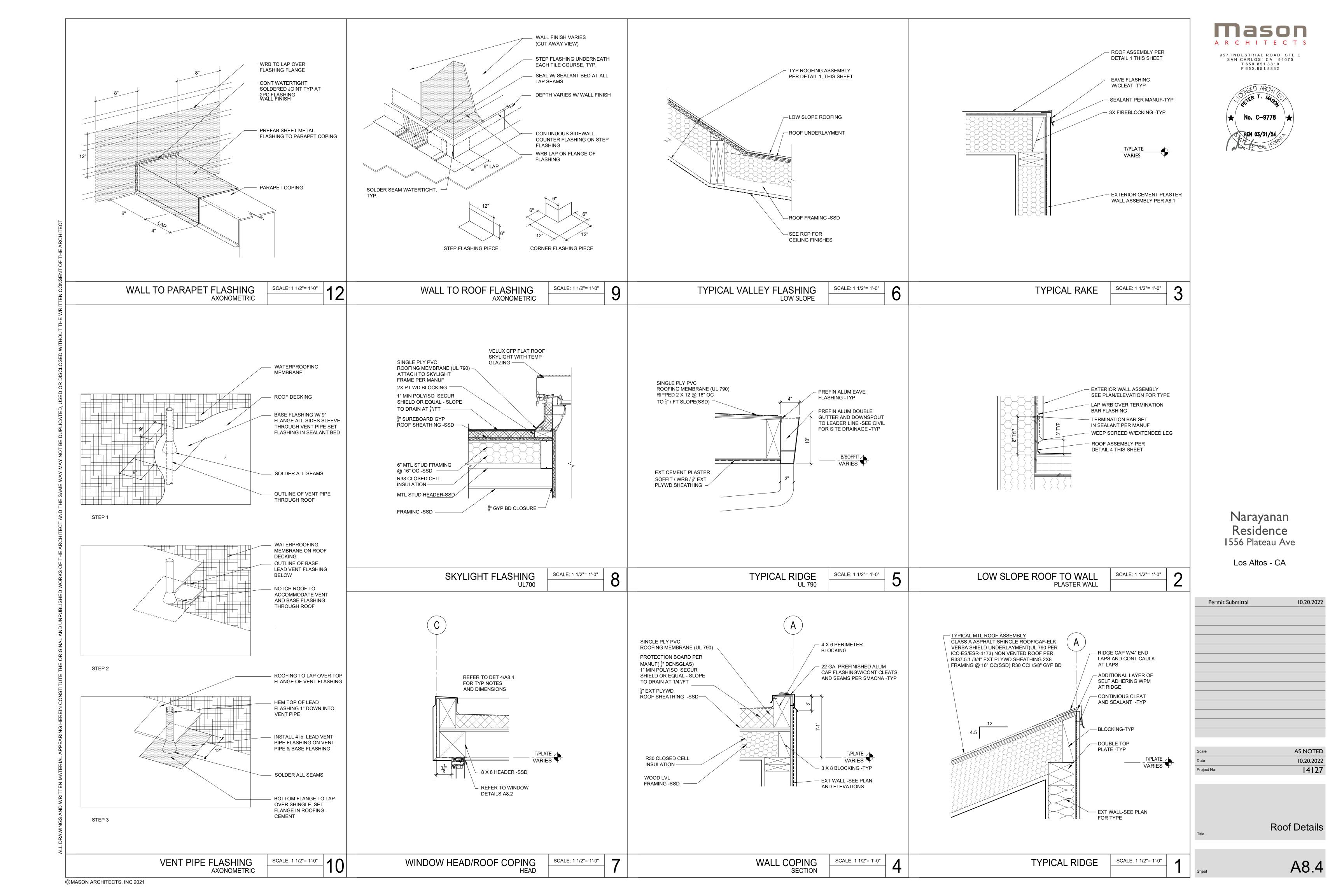
10.20.2022 AS NOTED 10.20.2022 14127 Wall Section







AS NOTED 10.20.2022 14127 **Exterior Details** A8.2





Pool Fencing

5 ' Tall Cedar Post & Rail fencing w/ 1.25" x 1.25" wire infill per pool code requirements

Pool Fencing - 60" ABOVE FINISHED GRADE

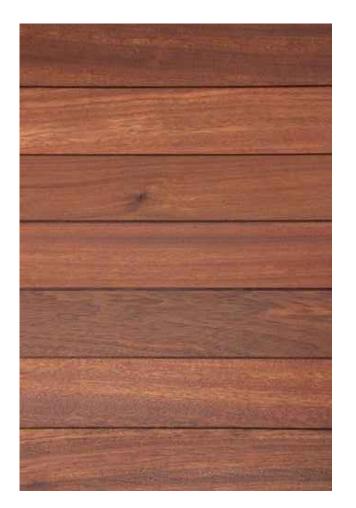
- The wire for the chain link shall not be less than
 11-gauge.
- 2. The posts shall be galvanized pipe at least 1-1/4 inch in diameter and

spaced not more than 10 feet apart.

- 3. The posts shall be set not less than 12 inches into concrete. The concrete
- shall be poured into a hole minimum 6 inches in diameter and minimum 18
- inches deep.
- 4. Openings in the chain link shall not be greater than 1-3/4 inches measured horizontally.



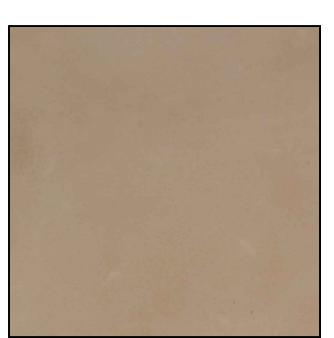
Asphalt Shingles Roofing UL Class A, UL 790 Fire Rated, Charcoal Color



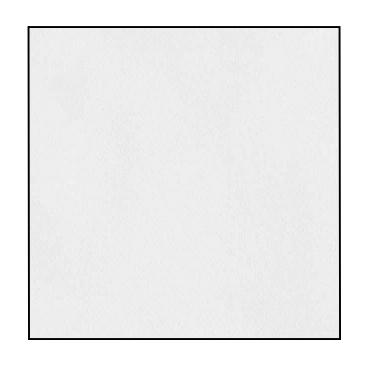
5/4" Stained Cedar Siding
O/ 5/8" Densglas for Fire
Protection
Pool Fence:
Stained Cedar Siding,
Matched to Main Residence
Stained Cedar Siding



Cable Rail w/ Cedar Handrail



Exterior Plaster Finish (Tan) Material 1C in Elevation Sheets



Exterior Plaster Finish (White)
Material 1A in Elevation
Sheets



Exterior Plaster Finish (Gray Pattern) Material 1D in Elevation Sheets





Narayanan Residence 1556 Plateau Ave

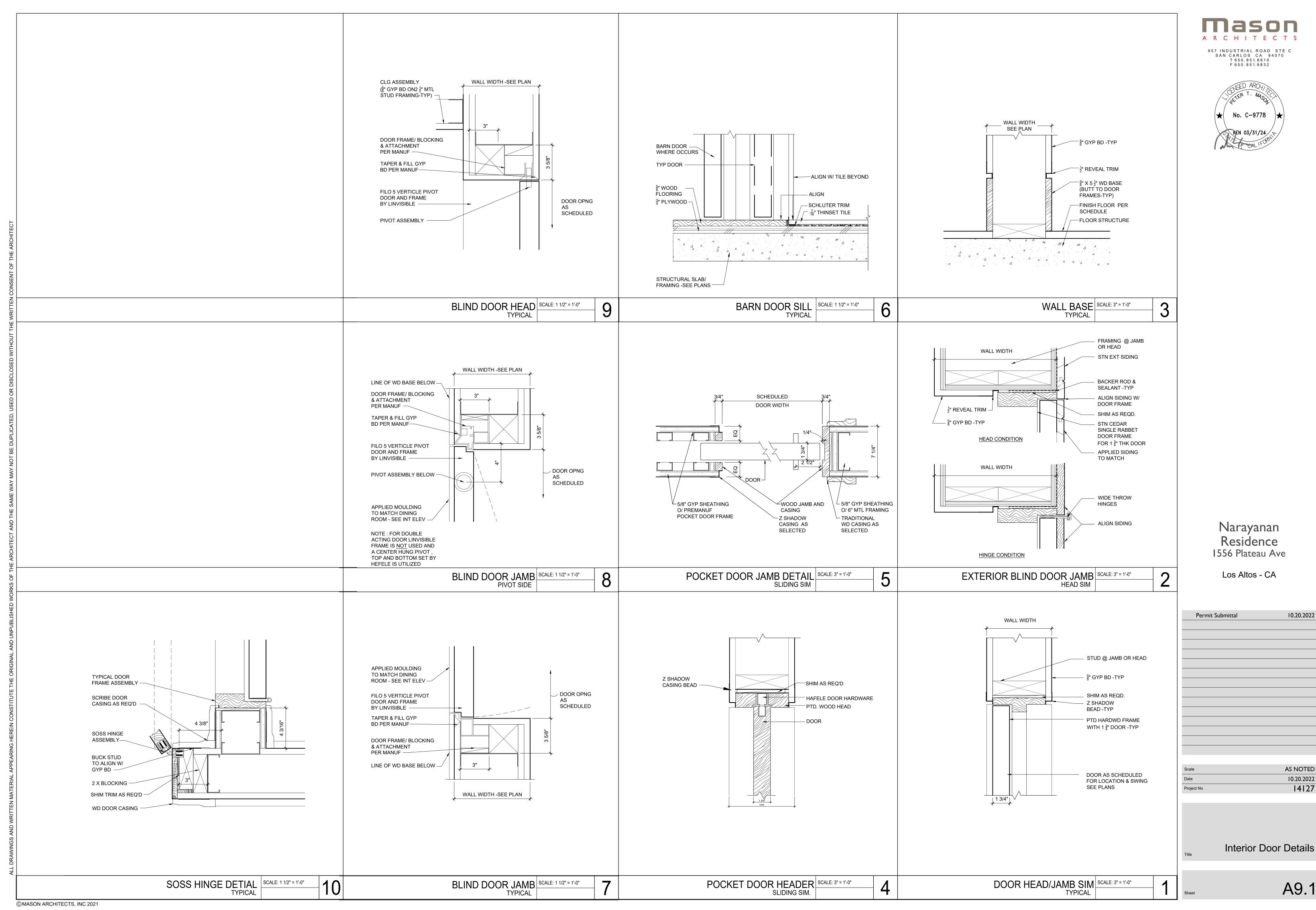
Los Altos - CA

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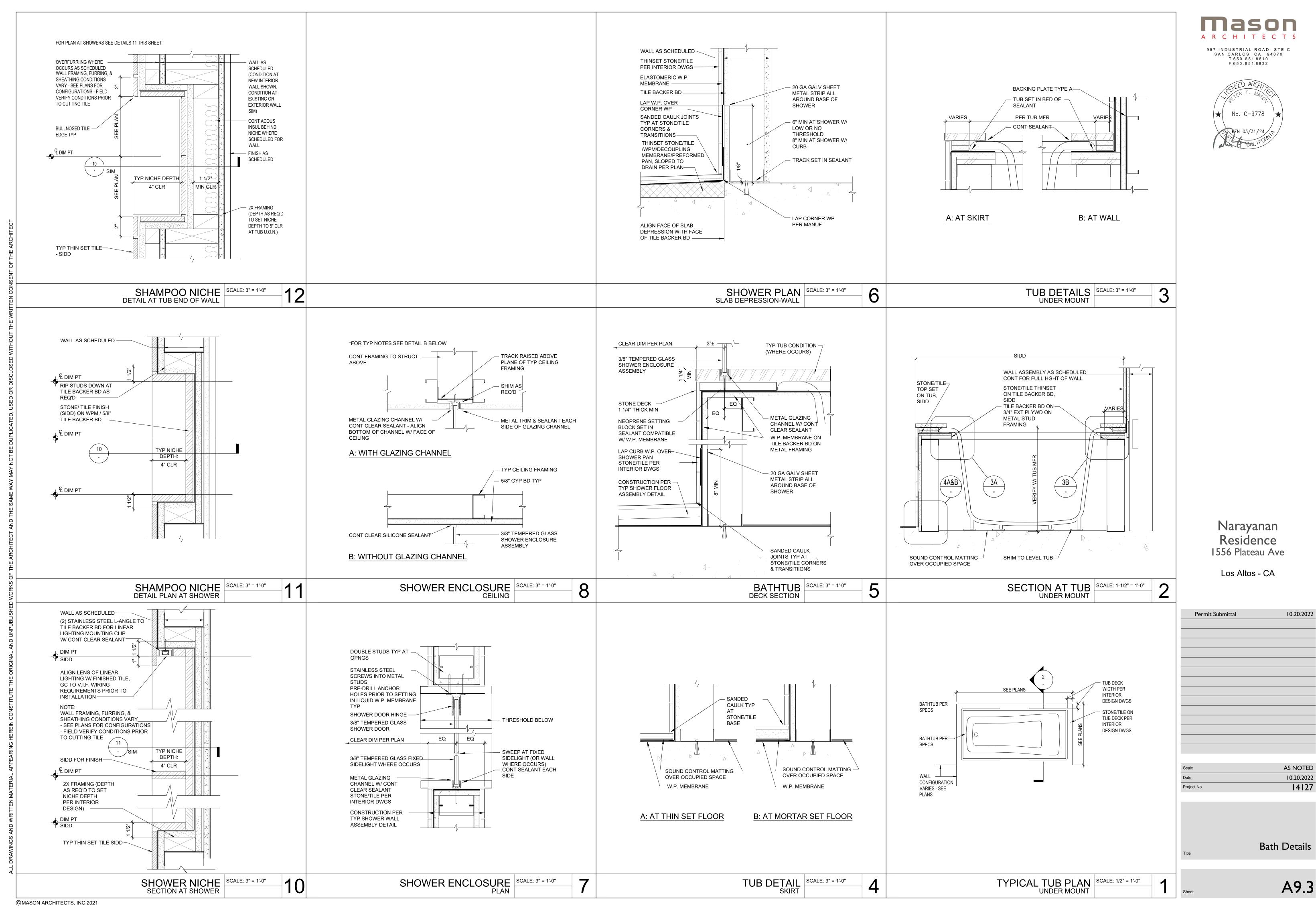
10.20.2022 let No 14127

Exterior Marerials

A9.0

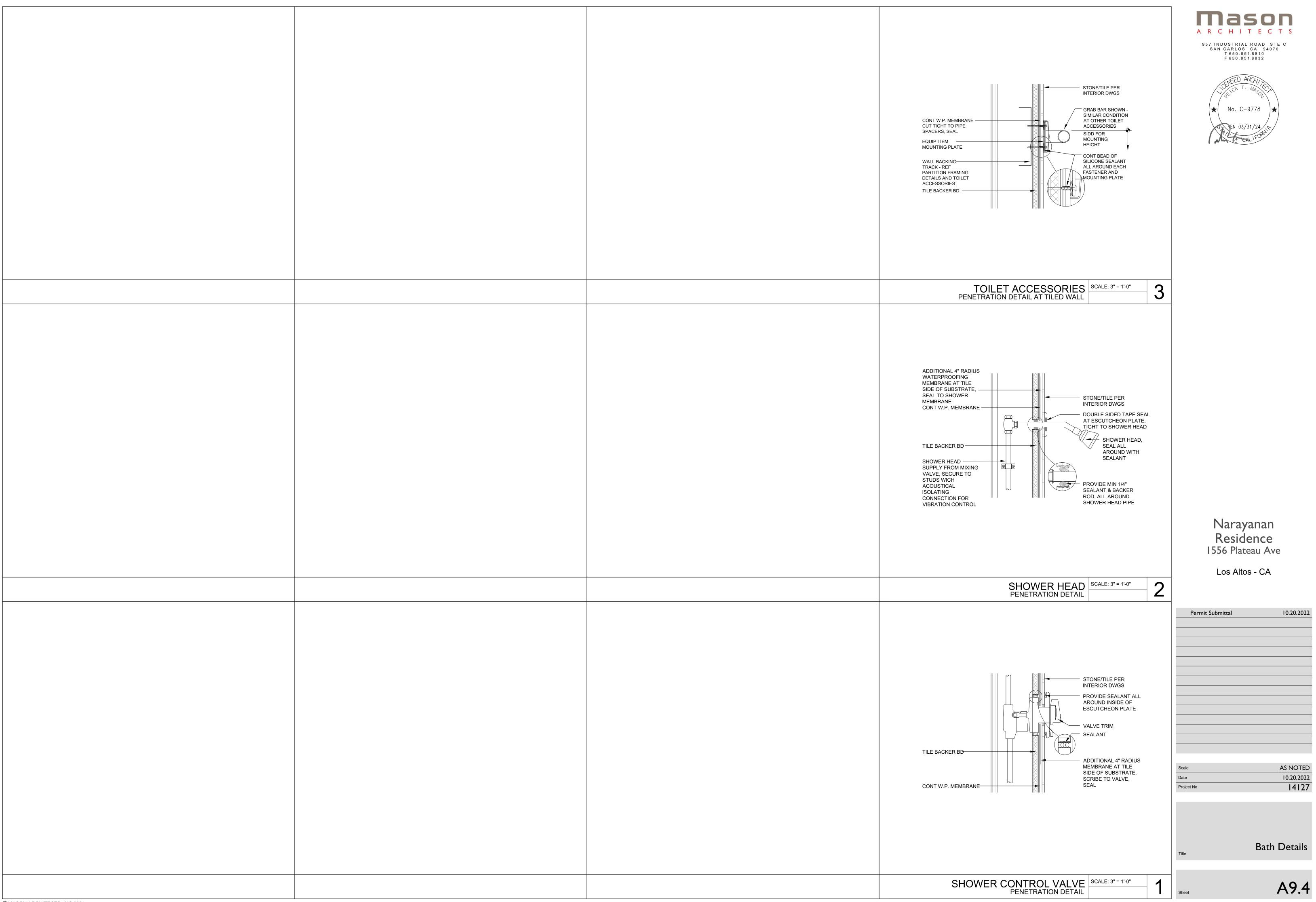


10.20.2022 AS NOTED 10.20.2022 14127 **Interior Door Details**



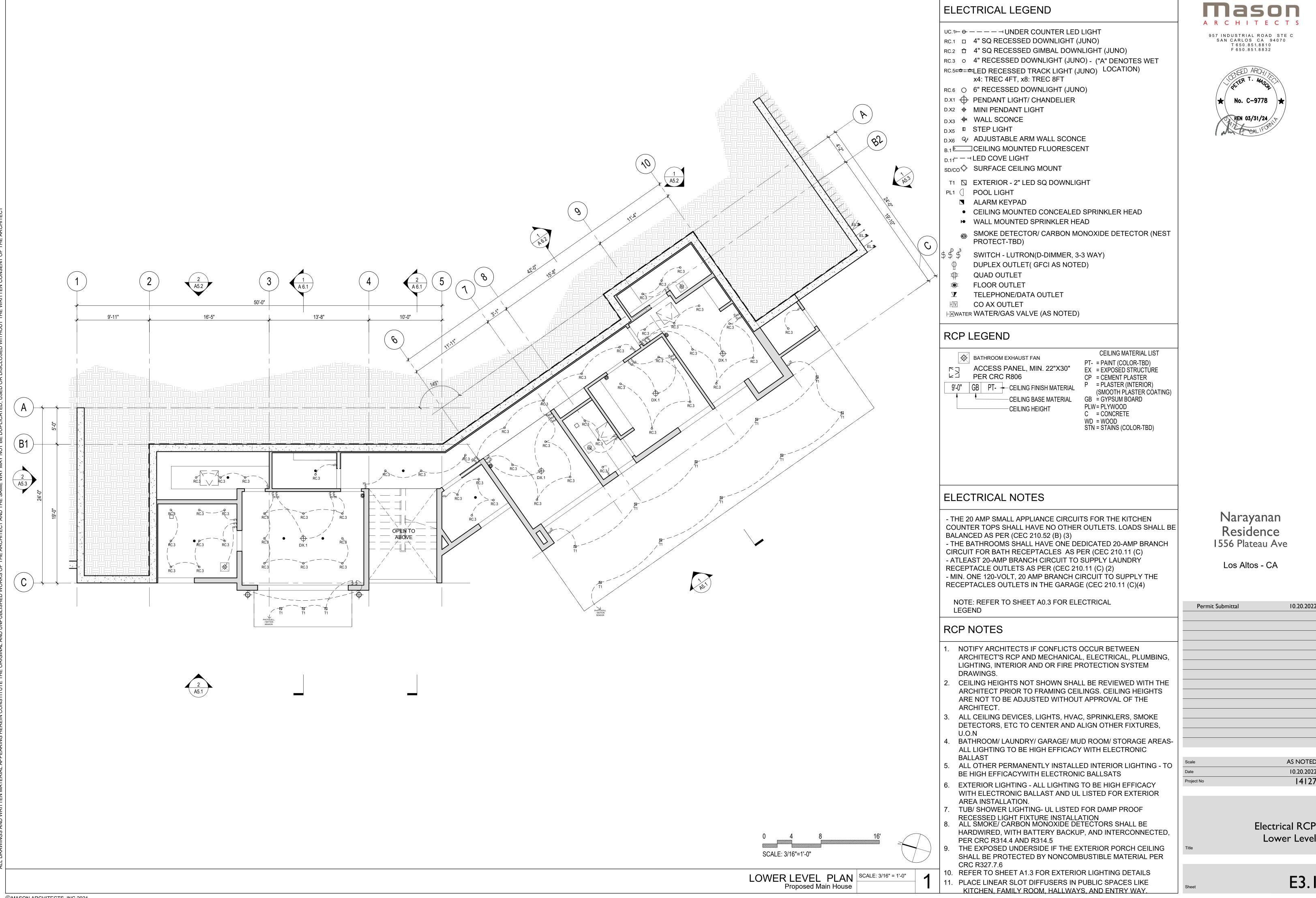
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Bath Details



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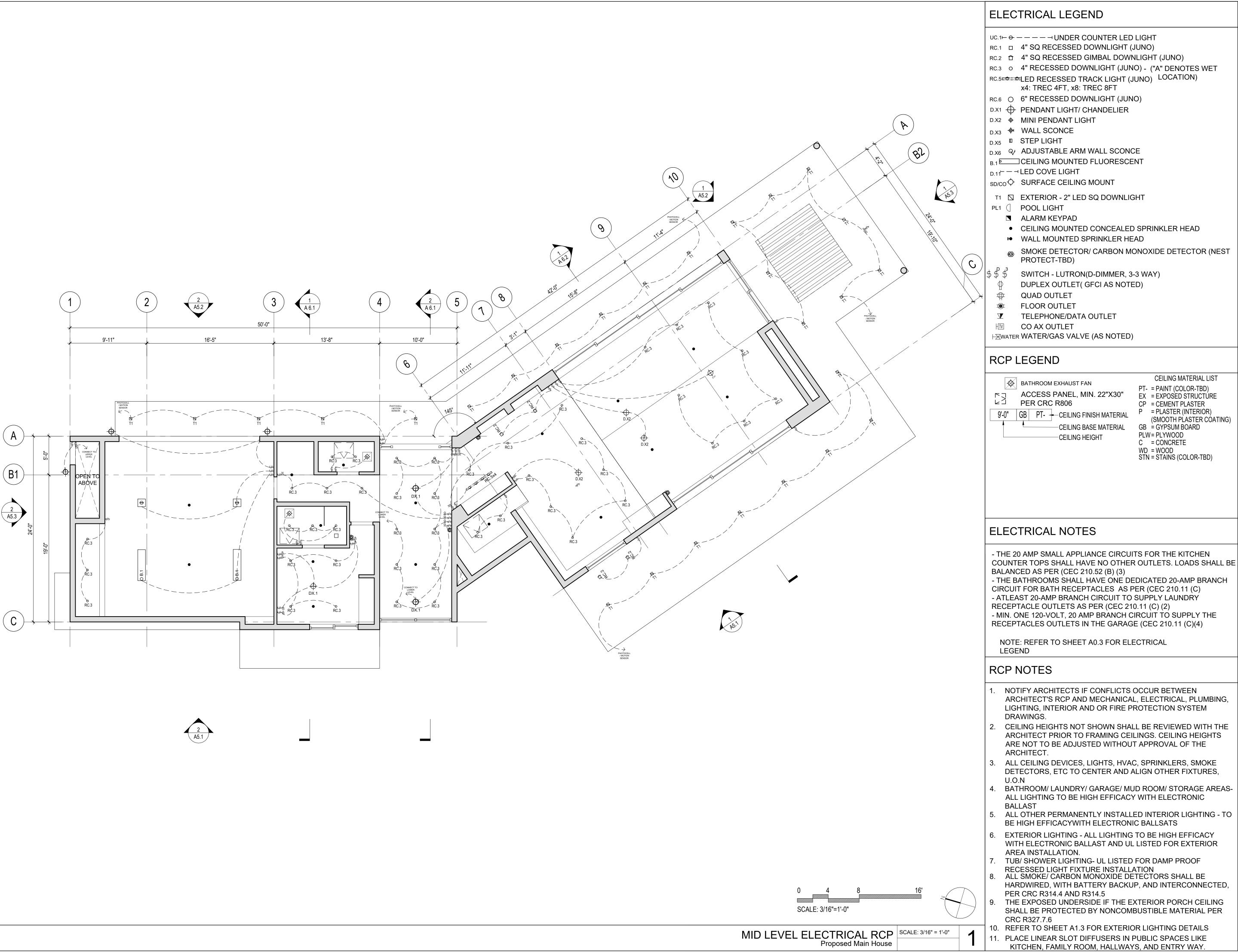
Bath Details



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Electrical RCP Lower Level



PT- = PAINT (COLOR-TBD) EX = EXPOSED STRUCTÚRE P = PLASTER (INTERIOR) (SMOOTH PLASTER COATING)

COUNTER TOPS SHALL HAVE NO OTHER OUTLETS. LOADS SHALL BE - THE BATHROOMS SHALL HAVE ONE DEDICATED 20-AMP BRANCH - MIN. ONE 120-VOLT, 20 AMP BRANCH CIRCUIT TO SUPPLY THE

- ARCHITECT'S RCP AND MECHANICAL, ELECTRICAL, PLUMBING, LIGHTING, INTERIOR AND OR FIRE PROTECTION SYSTEM
- CEILING HEIGHTS NOT SHOWN SHALL BE REVIEWED WITH THE ARCHITECT PRIOR TO FRAMING CEILINGS. CEILING HEIGHTS ARE NOT TO BE ADJUSTED WITHOUT APPROVAL OF THE
- ALL CEILING DEVICES, LIGHTS, HVAC, SPRINKLERS, SMOKE DETECTORS, ETC TO CENTER AND ALIGN OTHER FIXTURES,

- WITH ELECTRONIC BALLAST AND UL LISTED FOR EXTERIOR
- HARDWIRED, WITH BATTERY BACKUP, AND INTERCONNECTED.





Narayanan Residence 1556 Plateau Ave

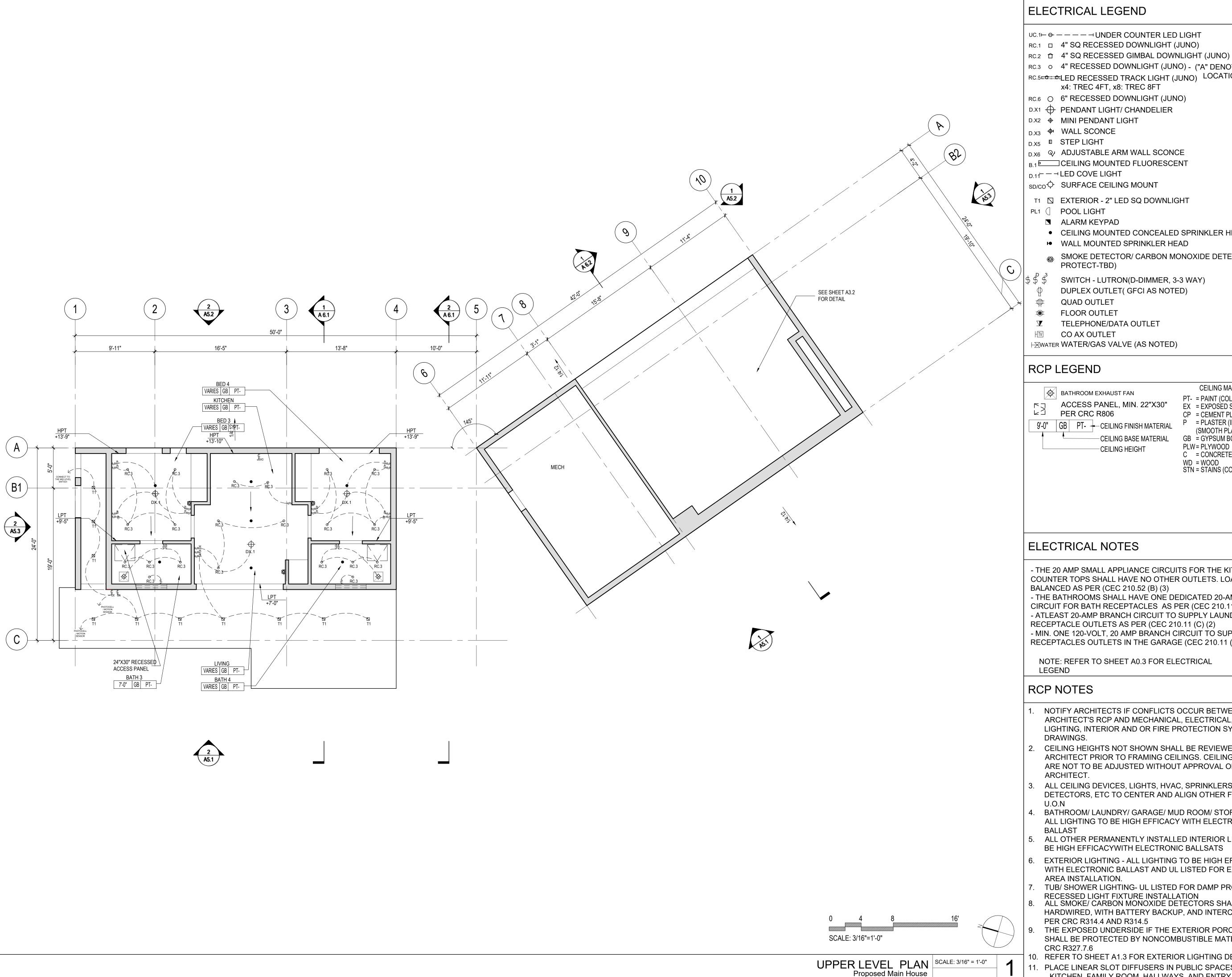
Los Altos - CA

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-		
	Scale	AS NOTED

AS NOTED 10.20.2022 14127 Project No

> Electrical RCP Mid Level

E3.2



RC.1

4" SQ RECESSED DOWNLIGHT (JUNO)

RC.3 O 4" RECESSED DOWNLIGHT (JUNO) - ("A" DENOTES WET

RC.5 EXELED RECESSED TRACK LIGHT (JUNO) LOCATION) x4: TREC 4FT, x8: TREC 8FT

RC.6 O 6" RECESSED DOWNLIGHT (JUNO)

D.X6 Q ADJUSTABLE ARM WALL SCONCE

B.1 CEILING MOUNTED FLUORESCENT

T1 ☐ EXTERIOR - 2" LED SQ DOWNLIGHT

CEILING MOUNTED CONCEALED SPRINKLER HEAD

■ WALL MOUNTED SPRINKLER HEAD

SMOKE DETECTOR/ CARBON MONOXIDE DETECTOR (NEST

SWITCH - LUTRON(D-DIMMER, 3-3 WAY)

DUPLEX OUTLET(GFCI AS NOTED)

TELEPHONE/DATA OUTLET

H≅WATER WATER/GAS VALVE (AS NOTED)

ACCESS PANEL, MIN. 22"X30" 9'-0" | GB | PT- + CEILING FINISH MATERIAL

-CEILING BASE MATERIAL

CEILING MATERIAL LIST PT- = PAINT (COLOR-TBD) EX = EXPOSED STRUCTÚRE CP = CEMENT PLASTER P = PLASTER (INTERIOR) (SMOOTH PLASTER COATING) GB = GYPSUM BOARD PLW = PLYWOOD

C = CONCRETE WD = WOOD STN = STAINS (COLOR-TBD)

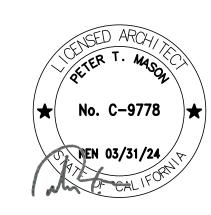
- THE 20 AMP SMALL APPLIANCE CIRCUITS FOR THE KITCHEN COUNTER TOPS SHALL HAVE NO OTHER OUTLETS. LOADS SHALL BE BALANCED AS PER (CEC 210.52 (B) (3) - THE BATHROOMS SHALL HAVE ONE DEDICATED 20-AMP BRANCH

CIRCUIT FOR BATH RECEPTACLES AS PER (CEC 210.11 (C) - ATLEAST 20-AMP BRANCH CIRCUIT TO SUPPLY LAUNDRY RECEPTACLE OUTLETS AS PER (CEC 210.11 (C) (2) - MIN. ONE 120-VOLT, 20 AMP BRANCH CIRCUIT TO SUPPLY THE RECEPTACLES OUTLETS IN THE GARAGE (CEC 210.11 (C)(4)

NOTE: REFER TO SHEET A0.3 FOR ELECTRICAL

- NOTIFY ARCHITECTS IF CONFLICTS OCCUR BETWEEN ARCHITECT'S RCP AND MECHANICAL, ELECTRICAL, PLUMBING, LIGHTING, INTERIOR AND OR FIRE PROTECTION SYSTEM
- CEILING HEIGHTS NOT SHOWN SHALL BE REVIEWED WITH THE ARCHITECT PRIOR TO FRAMING CEILINGS. CEILING HEIGHTS ARE NOT TO BE ADJUSTED WITHOUT APPROVAL OF THE
- ALL CEILING DEVICES, LIGHTS, HVAC, SPRINKLERS, SMOKE DETECTORS, ETC TO CENTER AND ALIGN OTHER FIXTURES,
- BATHROOM/ LAUNDRY/ GARAGE/ MUD ROOM/ STORAGE AREAS-ALL LIGHTING TO BE HIGH EFFICACY WITH ELECTRONIC
- ALL OTHER PERMANENTLY INSTALLED INTERIOR LIGHTING TO BE HIGH EFFICACYWITH ELECTRONIC BALLSATS
- 6. EXTERIOR LIGHTING ALL LIGHTING TO BE HIGH EFFICACY WITH ELECTRONIC BALLAST AND UL LISTED FOR EXTERIOR
- 7. TUB/ SHOWER LIGHTING- UL LISTED FOR DAMP PROOF
- RECESSED LIGHT FIXTURE INSTALLATION ALL SMOKE/ CARBON MONOXIDE DETECTORS SHALL BE HARDWIRED, WITH BATTERY BACKUP, AND INTERCONNECTED,
- 9. THE EXPOSED UNDERSIDE IF THE EXTERIOR PORCH CEILING SHALL BE PROTECTED BY NONCOMBUSTIBLE MATERIAL PER
- 10. REFER TO SHEET A1.3 FOR EXTERIOR LIGHTING DETAILS
- 11. PLACE LINEAR SLOT DIFFUSERS IN PUBLIC SPACES LIKE KITCHEN, FAMILY ROOM, HALLWAYS, AND ENTRY WAY.

mason ARCHITECTS 957 INDUSTRIAL ROAD STE C SAN CARLOS CA 94070 T 650.851.8810 F 650.851.8832



Narayanan Residence 1556 Plateau Ave

Los Altos - CA

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Electrical RCP Upper Level

E3.3



COUNTY OF SANTA CLARA

2019 CALGREEN RESIDENTIAL CHECKLIST (MANDATORY+TIER 1) County Amendments to CALGreen are in Italics.

- Designer to cross out items that are not applicable to the project. - Installer or designer shall verify all applicable requirements have been satisfied and sign and date each row. County Inspectors will verify completion signatures and supporting documentation DURING CONSTRUCTION.

					TTO COMPLETE k Review Data	Ins	taller or Designer Verification
ITEN	M #	CALGreen CODE SECTION	REQUIREMENT	REFERENCE SHEET	Note or Detail No.	Date	Installer or Designer Signature
			PLANNING AND DESIGN: MAND				
1	L	4.106.2	A plan is developed and implemented to manage storm water drainage during construction.	CG-3	NOTE 1	10/22	D4-
2	2	4.106.3	Construction plans indicates how site grading or a drainage system will manage all surface water flows to keep water from entering buildings.	CG-3	NOTE 2	10/22	Dt.
3	3	4.106.4.1	For new dwellings and the rebuild of existing dwellings that include a panel upgrade or construction between panel and parking area, a raceway to a dedicated 208/240-volt branch circuit meeting the requirements, is installed.	CG-3	NOTES 3 & 4	10/22	A.
			PLANNING AND DESIGN: TIER 1 M		REQUIREMENTS		
4	1	A4.106.2.3	Displaced topsoil is stockpiled for reuse in a designated area and covered or protected from erosion.	CG-4	NOTE 7	10/22	Dt-
5	5	A4.106.4	Not less than 20 percent of the total parking, walking or patio surfaces are permeable.	CG-4	NOTE 9	10/22	Dt.
6	5	A4.106.8.1	For new dwellings with attached private garages, a dedicated 208/240-volt branch circuit including an overcurrent protective device is installed in the raceway, meeting the applicable requirements.	CG-4	NOTE 12	10/22	Dt.
			PLANNING AND DESIGN: TIER 1	ELECTIVE R	EQUIREMENTS		
e	7	A4.103.1	An infill site, greyfield site or EPA- recognized and Brownfield site is applicable.	CG-4	NOTE 1	10/22	Dt.
ap	8	A4.103.2	Community connectivity is facilitated	CG-4	NOTE 2	10/22	M.
Cross out the rows not applicable	9	A4.104.1	by one of the approved methods. An individual with oversight responsibility for the project has participated in an educational program promoting environmentally friendly design or development and has provided instruction to appropriate entities.	CG-4	NOTE 3	10/22	De-
ŧ			Existing buildings are disassembled for				
ross ou	10	A4.105.2	The proposed structure utilizes at least one of the listed materials.	CG-4	NOTE 4		
1 elective measures - C	11	A4.106.2.1	Soil analysis is performed by a licensed design professional and the findings are utilized in the structural design of the building.	CG-4	NOTE 5	10/22	Rt-
tive mo	12	A4.106.2.2	Soil disturbance and erosion are minimized by using one or more of the methods listed	CG-4	NOTE 6	10/22	Dr.
vo Tier 1 elec	13	A4.106.3	Landscape areas disrupted during construction are restored to be consistent with native vegetation and/or at least 75% native California or drought tolerant plant and tree are utilized.	CG-4	NOTE 8	10/22	Rt-
Comply with at least two Tier	14	A4.106.6	A vegetated roof for at least 50% of the roof area is installed. Vegetated roof complies with CBC chapters 15 and 16.	CG-4	NOTE 10	10/22	Dt.
ply with	15	A4.106.7	Nonroof heat islands are reduced for 50% of sidewalks, patios, driveways, or other paved areas by using one or more of the methods listed.	CG-4	NOTE 11	10/22	Dt-
Сош	16	A4.106.10	Outdoor lighting systems are designed and installed to comply with one of the methods listed.	CG-4 CG-1	NOTE 13 TABLE A4.106.10	10/22	Dr.
			ENERGY EFFICIENCY: MAND	ATORY REQ	UIRMENTS		*
1	7	4.201.1	Building meets or exceeds the requirements of the California Building Energy Efficiency Standards.	T24 SHEETS		10/22	Rt-
18	8	4.303.1	Plumbing Fixtures (water closets and urinals) and fittings (faucets and showerheads) installed in residential buildings comply with CALGreen Sections 4.303.1.1 through 4.303.1.4.4.	CG-3	NOTE 5	10/22	D4-
19	9	4.303.2	Plumbing fixtures and fittings required in CALGreen Section 4.303.1 are installed in accordance with the CPC and meet the applicable referenced standards.	CG-3	Note 6	10/22	Dt.
20	0	4.304.1	Outdoor potable water use in landscape areas comply with a local water efficient landscape or the current California DWR MWELO, whichever is more stringent.	CG-3	Note 7	10/22	Rt-
2	1	4.305.1	For new dwellings where disinfected tertiary recycled water is available, installation of recycled water supply system is required per CPC chapter 15.	CG-3	Note 8	10/22	Dr.

					T TO COMPLETE	Ins	staller or Designer Verification
ITE	:M #	CALGreen CODE SECTION	REQUIREMENT	REFERENCE SHEET	No.	Date	Installer or Designe Signature
	22	A4.303.1	Kitchen faucet maximum flow rate does not exceed 1.5 gpm at 60 psi. See exceptions.	CG-4	NOTE 14	10/22	Re
plicable	23	A4.303.2	Alternate nonpotable water resources are used for indoor potable water reduction and are installed in	CG-4	NOTE 15	10/22	D4
not ap	24	A4.303.3	accordance with CPC. At least one qualified ENERGY STAR dishwasher or clothes washer is installed.	CG-4	NOTE 16	10/22	D4
row	-25	A4.303.4	Nonwater urinals or composting toilets are installed.	ee +	NOTE 17		
- Cross out the rows not applicable	26	A4.303.5	Dwelling is equipped with a demand hot water recirculation system. The system is installed per CPC, CEnC, and the manufacturer's installation instructions.	CG-4	NOTE 18	10/22	D4
easures - C	27	A4.304.1	An approved rainwater catchment system is designed and installed to use rainwater generated by at least 65% of the available roof area. The system is installed per CPC.		NOTE 19	10/22	Dt.
Comply with at least two Tier 1 elective measures	28	A4.304.2	A water efficient landscape irrigation design that eliminates the use of potable water, is provided. Method used to accomplish the requirements comply with California Building Standards Code and one or more of listed methods.	CG-4	NOTE 20	10/22	Dr.
east two	29	A4.304.3	Separate submeters or metering devices for outdoor potable water use is provided for landscape areas less than 5000 sq.ft.	CG-4	NOTE 21	10/22	D4
ply with at lo	30	A4.305.1	Alternative plumbing piping is installed to permit the discharge from the clothes washer or other fixtures to be used for an irrigation system in compliance with CPC.	CG-4	NOTE 22	10/22	D4-
Com	31	A4.305.2	Dual water piping is installed for future use of recycled water at listed locations.	CG-4	NOTE 23	10/22	Dt-
	32	A4.305.3	Recycled water is used for landscape irrigation.	CG-4	Note 24	10/22	Rt-
	•	MATERIA	Annular spaces around pipes, electric	CIENCY: MA	ANDATORY REQU	JIREME	NTS
3	33	4.406.1	cables, conduits or other openings in plates at exterior walls are protected against the passage of rodents by closing such openings with cement mortar, concrete masonry or similar method acceptable to the County of Santa Clara.	CG-3	Note 9	10/22	Dt.
3	34	4.408.1	Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste. Submit either a Construction Waste management plan (CALGreen 4.408.2) or Utilize a waste management company (CALGreen 4.408.3).	CG-3	Note 10	10/22	D4-
3	35	4.408.5	Documentation is provided to County of Santa Clara which demonstrates compliance with CALGreen sections 4.408.2 or 4.408.3.	CG-2 CG-3	Construction Waste Management Forms Note 11	10/22	Q4-
3	36	4.410.1	An operation and maintenance manual is placed in the building at the time of final inspection.	CG-3	Note 12	10/22	Dt.
3	37	A4.403.2	ONSERVATION & RESOURCE EFFICIE Reduction in cement use in foundation mix design is not less than 20 percent.	CG-4	Note 26	10/22	D4-
3	38	A4.405.3.1	Use materials with a total RCV (recycled content value) not less than a 10-percent of the total material cost of the project except structural framing material.	CG-4	Note 33	10/22	Dt-
3	39	A4.408.1	Reduce construction waste by at least 65%. Documentation is submitted to the County of Santa Clara demonstrating compliance.	CG-2 CG-34	Construction Waste Management Forms Note 41	10/22	Dr.
	Ī	MATERIAL	CONSERVATION & RESOURCE EFFIC A Frost-Protected Shallow Foundation			QUIREM	IENTS
	40	A4.403.1	(FPSF) is utilized in compliance with CRC. The required manual includes instructions to the owner or occupant regarding the necessity for heating the structure per CRC R403.3.	CG-4	NOTE 25	10/22	Dt-
icable	41	A4.404.1	Beams, headers and trimmers are sized and installed as specified in Chapter 23 of CBC or Chapter 6 of CRC.	CG-4	NOTE 27	10/22	Q4_
Cross out the rows not applicable	42	A4.404.2	Building dimensions and layouts are designed to minimize waste by one or more of the listed measures in at least 80% of the structure.	CG-4	NOTE 28	10/22	Rt.
he row	43	A4.404.3	Premanufactured building system, as listed, is used to eliminate solid sawn lumber	CG-4	NOTE 29	10/22	Rt-
oss out t	44	A4.404.4	Material lists are included in the plans which specify the material quantity and direction for on-site cuts, for the listed systems.	CG-4	NOTE 30	10/22	R4
	45	A4.405.1	Prefinished building materials are utilized which do not require additional painting or staining. Acceptable material list is per CALGreen A4.405.1.	CG-4	NOTE 31	10/22	Rt-
meas	46	A4.405.2	Concrete floors that do not require additional coverings are used.	CG-4	NOTE 32	10/22	P4
ctive	47	A4.405.4	One or more of the listed materials from rapidly renewable sources or	CG-4	NOTE 34	10/22	Pu
Tier 1 ele	48	A4.407.1	agricultural byproducts are used. Foundation and landscape drains with discharge to an approved on-site location is installed.	CG-4	NOTE 35	10/22	Dt.
Comply with at least two Tier 1 elective measures	49	A4.407.2	Roof gutter and downspout system is installed to route water at least 5 feet away from the foundation or connect to landscape drains with approved onsite discharge.	CG-4	NOTE 36	10/22	Dt.
aly with at	50	A4.407.3	Flashing details complying with accepted industry standards or manufacturer's instructions are provided on the plans.	CG-4	NOTE 37	10/22	Dt-
Comp	51	A4.407.4	Building materials delivered to the construction site are protected from rain and other sources of moisture.	CG-4	NOTE 38	10/22	Dt-
	52	A4.407.6	Exterior doors are covered to prevent water intrusion by one or more listed methods.	CG-4	NOTE 39	10/22	D4-
	53	A4.407.7	A permanent overhang or awning at least two feet in depth is provided at all exterior walls.	CG-4	Note 40	10/22	Rt-

		1 641 5			T TO COMPLETE k Review Data		taller or Design Verification
ITE	М #	CALGreen CODE SECTION	REQUIREMENT	REFERENCE SHEET	Note or Detail No.	Date	Installer or Des Signature
			ENVIRONMENTAL QUALITY: MAI	DATORY R	QUIREMENTS		
_			Any installed gas fireplace is a direct- vent sealed-combustion type. Any				
	1	1.503.1	comply with US EPA Phase II emission limits where applicable.		Note 13		•
5	5	4.504.1	Duct openings and other related air distribution component openings are covered during construction until final startup of the HVAC equipment.	CG-3	Note 14	10/22	Dt.
5	6	4.504.2.1	Adhesives, sealants and caulks are compliant with VOC and other toxic compound limits.	CG-2 CG-2	Table 4.504.1 Table 4.504.2 Note 15	10/22	RL
5	7	4.504.2.2	Architectural paints and coatings are compliant with VOC limits.	CG-2 CG-3	Table 4.504.3 Note 16	10/22	Rt-
5	8	4.504.2.3	Aerosol paints and coatings are compliant with product weighted MIR limits for ROC and other toxic compounds.	CG-3	Note 17	10/22	Dt.
5	9	4.504.2.4	Documentation are provided to the County of Santa Clara to verify that compliant VOC limit finish materials have been used.	CG-3	Note 18	10/22	Pt.
6	0	4.504.3	Carpet and carpet systems meet the applicable testing and product requirements.	CG-2 CG-3	Table 4.504.1 Note 19	10/22	D4
6	1	4.504.5	Hardwood plywood, particleboard and medium density fiberboard composite wood meet formaldehyde limits.	CG-1 CG-3	Table 4.504.5 Note 21	10/22	Dr.
6	2	4.504.5.1	Documentation is provided to the County of Santa Clara to verify composite wood meets applicable formaldehyde limits.	CG-3	Note 22	10/22	Pt.
6	3	4.505.2	Vapor retarder and capillary break is installed at slab-on-grade foundations.	CG-3	Note 23	10/22	D4
6	4	4.505.3	Moisture content of building materials used in wall and floor framing do not exceed 19% prior to enclosure and is checked before enclosure. Insulation products are dry prior to enclosure.	CG-3	Note 24	10/22	D4-
6	5	4.506.1	Each bathroom is mechanically ventilated and comply with applicable requirements.	CG-3	Note 25	10/22	R4
6	6	4.507.2	Heating and air-conditioning systems are sized, designed, and equipment is selected by using one of the methods listed.	CG-3	Note 26	10/22	Pt.
			ENVIROMENTAL QUALITY: TIER 1 N At least 90% of resilient flooring				
6	7	A4.504.2	complies with applicable VOC limits. Thermal insulation in the building is	CG-4	Note 43	10/22	D4
6	8	A4.504.3	installed in compliance with applicable standards.	CG-4	Note 44	10/22	R4-
			ENVIROMENTAL QUALITY: TIER 1	ELECTIVE F	REQUIREMENTS		
one Tier - Cross plicable	69	A4.504.1	Composite wood products made with NAF or ULEF resins are used.	CG-4	Note 42	10/22	D4.
at least on leasures - (s not appli	70	A4.506.2	Filters at MERV 8 or higher are used on return air openings, during construction.	CG-4	Note 45	10/22	Dt-
Comply with at least one Tier 1 elective measures - Cross out the rows not applicable	71	A4.506.3	Direct vent heating and cooling equipment are utilized where the equipment will be located in the conditioned space or the space heating and water heating equipment is installed in an isolated mechanical room.	CG-4	Note 46	10/22	D4.
		INSTALLE	R AND SPECIAL INSPECTOR QUALIFI	CATIONS: M	IANDATORY REC	UIREM	ENTS
7	2	702.1	HVAC system installers are trained and certified in the proper installation of HVAC systems.	CG-3	Note 27	10/22	D4.
7	3	702.2	If required by County of Santa Clara, owner or owner's agent shall employ special inspector who are qualified and able to demonstrate competence in the discipline they are inspecting.	CG-3	Note 28	10/22	D4.
7	4	703.1	Documentation used to show compliance with this code may include construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to County of Santa Clara which show substantial	CG-3	Note 29	10/22	Rt

TABLE 4.504.5 FORMALDEHYDE LIMITS¹

1 2	
Hardwood plywood composite core	0.05
Particleboard	0.09
Medium density fiberboard	0.11
Thin medium density fiberboard ²	0.13
 Values in this table are derived from those specific Resources Board, Air Toxics Control Measure for tested in accordance with ASTM E1333. For addit California Code of Regulations, Title 17, Sections 9: Thin medium density fiberboard has a maximum thick 	r Composite Wood a tional information, sec 3120 through 93120.12

TABLE A4.106.10 MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT AND GLARE (BUG) RATINGS^{1,2}

ALLOWABLE RATING	LIGHTING ZONE 1	LIGHTING ZONE 2	LIGHTING ZONE 3	LIGHTING ZONE		
Maximum Allowable Backlight Rating ³						
Luminaire greater than 2 mounting heights (MH) from property line	No Limit	No Limit	No Limit	No Limit		
Luminaire back hemisphere is 1-2 MH from property line	B2	В3	B4	B4		
Luminaire back hemisphere is 0.5 – 1 MH from property line	B1	B2	В3	В3		
Luminaire back hemisphere is less than 0.5 MH from property line	В0	В0	B1	B2		
Maximum Allowable Uplight Rating						
For area lighting ⁴	U0	U0	U0	U0		
For all other outdoor lighting, including decorative luminaires	U1	U2	U3	U4		
Maximum Allowable Glare Rating ⁵						
Luminaire greater than 2 MH from property line	G1	G2	G3	G4		
Luminaire front hemisphere is 1 – 2 MH from property line	G0	G1	G1	G2		
Luminaire front hemisphere is 0.5 – 1 MH from property line	G0	G0	G1	G1		
Luminaire back hemisphere is less than 0.5 MH from property line	G0	G0	G0	G1		
IESNA Lighting Zones 0 and 5 are not applicable; refer to Lighting Zones as defined in the California Energy Code and Chapter 10 of the California Administrative Code. 2. For property lines that abut public walkways, bikeways, plazas and parking lots, the property line may be considered to be 5 feet beyond the actual property line for purpose of determining compliance with this section. For property lines that abut public roadways and public transit corridors, the property line may be considered to be the centerline of the public roadway or public transit corridor for the purpose of determining compliance with this section. 3. If the nearest property line is less than or equal to two mounting heights from the back hemisphere of the luminaire distribution, the applicable reduced Backlight rating shall be met. 4. General lighting luminaires in areas such as outdoor parking, sales or storage lots shall meet these reduced ratings. Decorative luminaires located in these areas shall meet U-value limits for "all other outdoor lighting." 5. If the nearest property line is less than or equal to two mounting heights from the front hemisphere of the luminaire distribution, the applicable reduced Glare rating shall be met.						

|CG-1|

ARCHITECTS 957 INDUSTRIAL ROAD STE C SAN CARLOS CA 94070 T 650.851.8810 F 650.851.8832



Narayanan Residence 1556 Plateau Ave

Los Altos - CA

Permit Submittal	10.20.2022

AS NOTED 10.20.2022

CAL GREEN

CG-I

CALGreen One or Two Family Residential Project Mandatory and Tier1 Requirements County of Santa Clara

			100
			100 500
		<u> </u>	250
			420
	and the second s	oaters	100
	, ,		350 250
Recy	cled coatings		
			50
OC content istrict Rule Shell Cl Ol Spec	lacs lear paque sialty primers, sealers an	d undercoaters	730 550 100 250
Ston			450
			340
			100
		S	420
	1 0		250
Woo	od coatings		275
Woo	od preservatives		350
Zinc	-rich primers		340
1.6-	ama af VOC man liter of ac	ation including and	to and including our
		ating, including wat	er and including exe
	•		* 0.00 % 00 a
			ised limits are listed
sub	osequent columns in the tab	ne.	
•	Indu Low Mag Mas Mas Met Mult Prett Prim Reac Recy Resp Resp Resp Resp Resp Resp Resp Resp	Low solids coatings¹ Magnesite cement coatings Mastic texture coatings Metallic pigmented coatings Multicolor coatings Pretreatment wash primers Primers, sealers, and undereder Reactive penetrating sealers Recycled coatings Roof coatings Rust preventative coatings Shellacs Clear Opaque Specialty primers, sealers and Stains Stone consolidants Swimming pool coatings Traffic marking coatings Tub and tile refinish coating Waterproofing membranes Wood coatings Wood preservatives Zinc-rich primers 1. Grams of VOC per liter of cocompounds. 2. The specified limits remain subsequent columns in the tab 3. Values in this table are derive Resources Board, Architecture February 1, 2008. More informs	Industrial maintenance coatings Low solids coatings Magnesite cement coatings Mastic texture coatings Metallic pigmented coatings Multicolor coatings Pretreatment wash primers Primers, sealers, and undercoaters Reactive penetrating sealers Recycled coatings Roof coatings Rust preventative coatings OC content bistrict Rule Shellacs Clear Opaque Specialty primers, sealers and undercoaters Stains Stone consolidants Swimming pool coatings Tub and tile refinish coatings Waterproofing membranes Wood coatings Wood preservatives Zinc-rich primers 1. Grams of VOC per liter of coating, including waters Industrial maintenance coatings Materings Industrial maintenance coatings Materings Industrial maintenance coatings Industrial maintenance catings Industrial maintenance coatings Industrial maintenance coatings Industrial maintenance coatings Industrial maintenance catings Industrial maintenance coatings Industrial mainte

Manufacturer

alculating the total material cost, choose ONLY ONE of the three options below:

Sum of estimated and/or actual cost of materials used in the project

m of post-consumer and pre-consumer recycled contents of each material cannot exceed 100%.

Assembly Recycled Recycled

Content

x 45% = Total Material Cost (\$): x 45% = Total Material Cost (\$):

Total Recycled Content Value as a percentage of the Total Material Cost:

Construction Waste Management (CWM) Plan

Fill out the form including diversion rate and facility names and addresses Project Manager: Hillel Benizri Sorting Facility Name and Location

All Subcontractors shall comply with the project's Construction Waste Management Plan. All Subcontractor foremen shall sign the CWM Plan Acknowledgment Sheet.

Waste Hauling Company: Mission Trail

Subcontractors who fail to comply with the Waste Management Plan will be subject to backcharges or withholding of payment, as deemed appropriate. For instance, Subcontractors who contaminate debris boxes that have been designated for a single material type will be subject to backcharge or withheld payment, as deemed appropriate.

- 1. The project's overall rate of waste diversion will be 80 %.
- This project shall generate the least amount of waste possible by planning and ordering carefully, following all proper storage and handling procedures to reduce broken and damaged materials and reusing materials whenever possible. The majority of the waste that is generated on this jobsite will be diverted from the landfill and recycled for other use. 3. Spreadsheet 1, enclosed, identifies the waste materials that will be generated on this project, the diversion strategy for each waste type and the anticipated diversion rate.
- 4. Waste prevention and recycling activities will be discussed at the beginning of weekly subcontractor meetings. As each new subcontractor comes on-site, the WMP Coordinator will present him/her with a copy of the CWM Plan and provide a tour of the jobsite to identify materials to be salvaged and the procedures for handling jobsite debris. All Subcontractor foremen will acknowledge in writing that they have read and will abide by the CWM Plan. Subcontractor Acknowledgment Sheet enclosed. The CWM Plan will be
- 5. Salvage: Excess materials that cannot be used in the project, nor returned to the vendor, will be offered to site workers, the owner, or
- 6. Mission Trail will provide a commingled drop box at the jobsite for most of the construction waste. These commingled drop boxes will be taken to Zanker Material Processing Facility. The average diversion rate for commingled waste will be 80 %. As site conditions permit, additional drop boxes will be used for particular phases of construction (e.g., concrete and wood waste) to
- 7. In the event that the waste diversion rate achievable via the strategy described in (6) above, is projected to be lower than what is required, then a strategy of source-separated waste diversion and/or waste stream reduction will be implemented. Source separated waste refers to jobsite waste that is not commingled but is instead allocated to a debris box designated for a single material type, such as clean wood or metal.
 - 1. Waste stream reduction refers to efforts taken by the builder to reduce the amount of waste generated by the project to below four (4) pounds per square foot of building area. When using waste stream reduction measures, the gross weight of the product is subtracted from a base weight of four (4) pounds per square foot of building area. This reduction is considered additional diversion and can be used in the waste reduc-
- tion percentage calculations. 8. Mission Trail will track and calculate the quantity (in tons) of all waste leaving the project and calculate the waste diversion rate for the project. Mission Trail will provide Project Manager with an updated monthly report on gross weight hauled and the waste diversion rate being achieved on the project. Mission Trail monthly report will track separately the gross weights and diversion rates for commingled debris and for each source-separated waste stream leaving the project. In the event that Mission Trail does not service any or all of the debris boxes on the project, the Mission Trail will work with the responsible parties to track the material type and weight (in tons) in such debris boxes in order to determine waste diversion
- rates for these materials. 9. In the event that Subcontractors furnish their own debris boxes as part of their scope of work, such Subcontractors shall not be excluded from complying with the CWM Plan and will provide

 Mission Trail

 weight and waste diversion data for their
- 10. In the event that site use constraints (such as limited space) restrict the number of debris boxes that can be used for collection of designated waste the project Superintendent will, as deemed appropriate, allocate specific areas onsite where individual material types are to be consolidated. These collection points are not to be contaminated with non-designated waste types.
- 11. Debris from jobsite office and meeting rooms will be collected by Newby Island Sanitary Landfill will, at a minimum, recycle office paper, plastic, metal and cardboard.

Construction Waste Management (CWM) Acknowledgment m4 (C\A/M\ \A/miral===4 Note: This sample form may be used to assist in documenting compliance with the waste management plan. Construction Wests Ma

Construc	tion waste Manageme	ent (CVVIVI) Worksi	neet		in may be used to assist in documenting	compliance with the waste man	agement plan.
	J	` ,		Project Name: 1556 Plate	eau Ave		
Project Name: 1556 Plateau	ı Ave			Job Number:			
Job Number:				Project Manager:			
Project Manager: Hillel Benizri				Waste Hauling Company:	Mission Trail		
Waste Hauling Company: _Mission	on Trail			CWM Plan Acknowledgment			
Construction Waste Management	(CWM) Plan			The Foreman for each new Sub	contractor that comes on site is to receive a	copy of the Construction Waste	Management Plan and
				complete this Acknowledgment	Form.		
	DIVERSION N	anno de la companione d	PROJECTED	I have read the Waste Manageme	nt Plan for the project; I understand the goals of	f this plan and agree to follow the pr	rocedures described in this
WASTE MATERIAL TYPE	COMMINGLED AND SORTED OFF SITE	SOURCE SEPARATED ON SITE	DIVERSION RATE	plan.			
Asphalt							0.004.71.07
Concrete		/		DATE	SUBCONTRACTOR COMPANY NAME	FOREMAN NAME	SIGNATURE
Shotcrete				10/25/2022	Level Up Home Remodeling Inc	Hillel Benizri	Hillel Benizri
Metals							9
Wood		✓					
Rigid insulation		*					

DATE	SUBCONTRACTOR COMPANY NAME	FOREMAN NAME	SIGNATURE
10/25/2022	Level Up Home Remodeling Inc	Hillel Benizri	Hillel Beniz

Table 2 - Assembly Product Recycled Content Calculations *

Disposal Service Company

Fiberglass insulation

Gypsum drywall Carpet/carpet pad

Plastic buckets

Cardboard

lardiplank siding and boards

Job office trash, paper, glass & plastic

toner cartridges, and electronic

Α	В	C	D	E	F	G	Н	Î
			Post-	Post-	Pre-	Pre-	Proportional	Proportiona
			Consumer	Consumer	Consumer	Consumer	Post-	Pre-
	Material	Material	Recycled	Recycled	Recycled	Recycled	Consumer	Consumer
Assembly Product**	Weight (lb)	Weight (%)	Content(lb)	Content (%)	Content(lb)	Content (%)	Content (%)	Content (%)
						1		
					- 1			
<u>.</u>								
<u>. 6</u>								
. *								
Total Weight:								
			Asser	mbly Post-Co	nsumer Recyc	led Content:		
				Ass	embly Pre-Co	nsumer Recy	cled Content:	
Use one sheet per asser	mbly product.							
* Materials used as comp		etructural from	o shall not be	used to calculat	e recycled cont	ont The struct	ural frame includ	as the load
earing structural elemen					A CONTRACTOR OF THE PERSON OF		mai manne miciuu	es tile ivau
The sum of post-consume								

RECYCLED CONTENT - DECLARATION STATEMENT

Project Name:	1556 Plateau Ave	
Project Location:	1556 Plateau Ave, Los Altos, CA 94024	
Project Manager:	Hillel Benizri	
Project Owner:		

The following section shall be completed by a person with overall responsibility for the planning and design portion of the project. **DECLARATION STATEMENT:**

- I certify under penalty of perjury, under the laws of the State of California, the information provided is true and correct.
- I certify that the materials, components, assembly products or manufactured devices identified on this certificate conform to all applicable codes and regulations, and the installation is consistent with the plans and specifications approved by the enforcing

Responsible Person's Name: Hillel Ber izri	Responsible Person's Signature:
Date Signed: 10/25/2()22	Position/Title: Contractor
Notes:	Attachments:

Table 3 - Recycled Content Conversion Table (Pounds to %) *

Α	В	С	D	E	F
		Post-	Post-		
		Consumer	Consumer	Pre- Consumer	Pre- Consumer
	Material	Recycled	Recycled	Recycled	Recycled
Type of Material	Weight (lb)	Content(lb)	Content (%)	Content(lb)	Content (%)
		The state of the s			1
assembly calculations.	percentages of th				
may be used for calculating the assembly calculations.	percentages of th				
may be used for calculating the assembly calculations. Step 1 - Insert the type of material	percentages of th	ne recycled conte	nts in each mater	ial. Table 3 shall	
may be used for calculating the assembly calculations. Step 1 - Insert the type of material Step 2 - Insert the weight of material	percentages of the into Column A.	ne recycled conte	nts in each mater	ial. Table 3 shall	not be used for
may be used for calculating the assembly calculations. Step 1 - Insert the type of material Step 2 - Insert the weight of material	percentages of the into Column A.	ne recycled conte	nts in each mater	ial. Table 3 shall	not be used for
may be used for calculating the assembly calculations. Step 1 - Insert the type of material Step 2 - Insert the weight of material Step 3 - Insert the weight of Post-C	percentages of the into Column A. al (provided by the consumer Recycled	manufacturer or o	nts in each mater ther source) into C	column B.	not be used for
may be used for calculating the assembly calculations. Step 1 - Insert the type of material Step 2 - Insert the weight of material Step 3 - Insert the weight of Post-Co	percentages of the into Column A. al (provided by the consumer Recycled onsumer Recycled onsumer Recycled onsumer Recycled onsumer Recycled on the interpretable of the interpre	manufacturer or o Content (provided	nts in each mater ther source) into C d by the manufactur	column B. Irer or other source	e) into Column C.
may be used for calculating the assembly calculations. Step 1 - Insert the type of material Step 2 - Insert the weight of material Step 3 - Insert the weight of Post-Co Step 4 - Insert the weight of Pre-Co Step 5 - Divide the values in Column	percentages of the into Column A. al (provided by the consumer Recycled on Sumer Recycled on C by the values in C by the	manufacturer or o Content (provided	nts in each mater ther source) into C d by the manufactur	column B. Irer or other source	e) into Column C.
* When the Post-Consumer and may be used for calculating the assembly calculations. Step 1 - Insert the type of material Step 2 - Insert the weight of material Step 3 - Insert the weight of Post-Consumption of Post-Consumptio	percentages of the into Column A. al (provided by the consumer Recycled on Sumer Recycled on C by the values in D.	manufacturer or o I Content (provided Content (provided in Column B; inser	nts in each mater ther source) into C d by the manufactu by the manufactur t the Post-Consum	column B. Ter or other source er or other source) Ter Recycled Conte	e) into Column C. into Column E. nt of each

CG-2

CG-2

CALGreen One or Two Family Residential Project Mandatory and Tier1 Requirements County of Santa Clara

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No. C-9778

Narayanan Residence 1556 Plateau Ave

Los Altos - CA

Permit Submittal

AS NOTED 10.20.2022 14127

CAL GREEN

CALGREEN 2019 NOTES – MANDATORY REQUIREMENTS:

1. PROJECTS WHICH DISTURB LESS THAN ONE ACRE OF SOIL AND ARE NOT PART OF A LARGER COMMON PLAN OF DEVELOPMENT WHICH IN TOTAL DISTURBS ONE ACRE OR MORE, SHALL MANAGE STORM WATER DRAINAGE DURING CONSTRUCTION. SEE CALGREEN 4.106.2 FOR FURTHER DETAILS.

2. CONSTRUCTION PLANS SHALL INDICATE HOW THE SITE GRADING OR DRAINAGE SYSTEM WILL MANAGE ALL SURFACE WATER FLOWS TO KEEP WATER FROM ENTERING BUILDINGS. SWALES, WATER COLLECTION AND DISPOSAL SYSTEMS, FRENCH DRAINS, WATER RETENTION GARDENS, AND OTHER MEASURES CAN BE USED. EXCEPTION: ADDITIONS AND ALTERATIONS NOT ALTERING THE DRAINAGE PATH.

3. NEW CONSTRUCTION SHALL COMPLY WITH CALGREEN SECTION 4.106.4.1 TO FACILITATE FUTURE INSTALLATION AND USE OF EV CHARGERS. ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE) SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE, ARTICLE 625.

EXCEPTIONS:

- A. WHERE COUNTY OF SANTA CLARA HAS DETERMINED EV CHARGING AND INFRASTRUCTURE ARE NOT FEASIBLE.
- B. ACCESSORY DWELLING UNITS (ADU) AND JUNIOR ACCESSORY DWELLING UNITS (JADU) WITHOUT ADDITIONAL PARKING FACILITIES.

4. FOR EACH DWELLING UNIT, INSTALL A LISTED RACEWAY TO ACCOMMODATE A DEDICATED 208/240-VOLT BRANCH CIRCUIT. THE RACEWAY SHALL NOT BE LESS THAN TRADE SIZE 1 (NOMINAL 1-INCH INSIDE DIAMETER). THE RACEWAY SHALL ORIGINATE AT THE MAIN SERVICE OR SUBPANEL AND SHALL TERMINATE INTO A LISTED CABINET, BOX OR OTHER ENCLOSURE IN CLOSE PROXIMITY TO THE PROPOSED LOCATION OF AN EV CHARGER. RACEWAYS ARE REQUIRED TO BE CONTINUOUS AT ENCLOSED, INACCESSIBLE OR CONCEALED AREAS AND SPACES. THE SERVICE PANEL AND/OR SUBPANEL SHALL PROVIDE CAPACITY TO INSTALL A 40-AMPERE MINIMUM DEDICATED BRANCH CIRCUIT AND SPACE(S) RESERVED TO PERMIT INSTALLATION OF A BRANCH CIRCUIT OVERCURRENT PROTECTIVE DEVICE. THE RACEWAY TERMINATION LOCATION SHALL BE PERMANENTLY AND VISIBLY MARKED AS "EV CAPABLE".

THE SERVICE PANEL OR SUB-PANEL CIRCUIT DIRECTORY SHALL IDENTIFY THE OVER CURRENT PROTECTIVE DEVICE SPACE(S) RESERVED FOR FUTURE EV CHARGING AS "EV CAPABLE". THE RACEWAY TERMINATION LOCATION SHALL BE PERMANENTLY AND VISIBLY MARKED AS "EV CAPABLE".

5. ALL NONCOMPLIANT PLUMBING FIXTURES SHALL BE REPLACED WITH WATER-CONSERVING PLUMBING FIXTURES. PLUMBING FIXTURE REPLACEMENT IS REQUIRED PRIOR TO ISSUANCE OF A CERTIFICATE OF FINAL COMPLETION, CERTIFICATE OF OCCUPANCY, OR FINAL PERMIT APPROVAL BY BUILDING AND INSPECTION DIVISION. SEE CIVIL CODE SECTION 1101.1, ET SEQ., FOR THE DEFINITION OF A NONCOMPLIANT PLUMBING FIXTURE, TYPES OF RESIDENTIAL BUILDINGS AFFECTED AND OTHER IMPORTANT ENACTMENT DATES.

- A. THE EFFECTIVE FLUSH VOLUME OF ALL WATER CLOSETS SHALL NOT EXCEED 1.28 GALLONS PER FLUSH. TANK-TYPE WATER CLOSETS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA WATERSENSE SPECIFICATION FOR TANK-TYPE TOILETS.
- B. SHOWERHEADS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 1.8 GALLONS PER MINUTE AT 80 PSI. SHOWERHEADS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA WATERSENSE SPECIFICATION FOR SHOWERHEADS.
- C. WHEN A SHOWER IS SERVED BY MORE THAN ONE SHOWERHEAD, THE COMBINED FLOW RATE OF ALL SHOWER-HEADS AND/OR OTHER SHOWER OUTLETS CONTROLLED BY A SINGLE VALVE SHALL NOT EXCEED 1.8 GALLONS PER MINUTE AT 80 PSI, OR THE SHOWER SHALL BE DESIGNED TO ALLOW ONLY ONE SHOWER OUTLET TO BE IN OPERATION AT A TIME. A HAND-HELD SHOWER SHALL BE CONSIDERED A SHOWERHEAD.
- D. THE MAXIMUM FLOW RATE OF RESIDENTIAL LAVATORY FAUCETS SHALL NOT EXCEED 1.2 GALLONS PER MINUTE AT 60 PSI. THE MINIMUM FLOW RATE OF RESIDENTIAL LAVATORY FAUCETS SHALL NOT BE LESS THAN 0.8 GALLONS PER MINUTE AT 20 PSI.
- E. THE MAXIMUM FLOW RATE OF KITCHEN FAUCETS SHALL NOT EXCEED 1.8 GALLONS PER MINUTE AT 60 PSI. KITCHEN FAUCETS MAY TEMPORARILY INCREASE THE FLOW ABOVE THE MAXIMUM RATE, BUT NOT TO EXCEED 2.2 GALLONS PER MINUTE AT 60 PSI, AND MUST DEFAULT TO A MAXIMUM FLOW RATE OF 1.8 GALLONS PER MINUTE AT 60 PSI.
- 6. PLUMBING FIXTURES AND FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE, AND SHALL MEET THE APPLICABLE STANDARDS REFERENCED IN TABLE 1701.1 OF THE CALIFORNIA PLUMBING CODE.
- 7. RESIDENTIAL DEVELOPMENTS SHALL COMPLY WITH A LOCAL WATER EFFICIENT LANDSCAPE ORDINANCE OR THE CURRENT CALIFORNIA DEPARTMENT OF WATER RESOURCES' MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO), WHICHEVER IS MORE STRINGENT.
- 8. NEWLY CONSTRUCTED RESIDENTIAL DEVELOPMENTS, WHERE DISINFECTED TERTIARY RECYCLED WATER IS AVAILABLE FROM A MUNICIPAL SOURCE TO A CONSTRUCTION SITE, MAY BE REQUIRED TO HAVE RECYCLED WATER SUPPLY SYSTEMS INSTALLED, ALLOWING THE USE OF RECYCLED WATER FOR RESIDENTIAL LANDSCAPE IRRIGATION SYSTEMS. SEE CHAPTER 15 OF THE CALIFORNIA PLUMBING CODE.
- 9. ANNULAR SPACES AROUND PIPES, ELECTRIC CABLES, CONDUITS OR OTHER OPENINGS IN SOLE/BOTTOM PLATES AT EXTERIOR WALLS SHALL BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH OPENINGS WITH CEMENT MORTAR, CONCRETE MASONRY OR A SIMILAR METHOD ACCEPTABLE TO THE COUNTY OF SANTA CLARA.

10. RECYCLE AND/OR SALVAGE FOR REUSE A MINIMUM OF 65 PERCENT OF THE NONHAZARDOUS CONSTRUCTION AND DEMOLITION WASTE IN ACCORDANCE WITH CALGREEN SECTION 4.408.2 OR 4.408.3.

- A. A CONSTRUCTION WASTE MANAGEMENT PLAN IS PROVIDED. THE CONSTRUCTION WASTE MANAGEMENT PLAN SHALL BE UPDATED AS NECESSARY AND SHALL BE AVAILABLE DURING CONSTRUCTION FOR EXAMINATION BY THE COUNTY OF SANTA CLARA.
- 1. IDENTIFY THE CONSTRUCTION AND DEMOLITION WASTE MATERIALS TO BE DIVERTED FROM DISPOSAL BY RECYCLING, REUSE ON THE PROJECT OR SALVAGE FOR FUTURE USE OR SALE.
- 2. SPECIFY IF CONSTRUCTION AND DEMOLITION WASTE MATERIALS WILL BE SORTED ON-SITE (SOURCE-SEPARATED) OR BULK MIXED (SINGLE STREAM). 3. IDENTIFY DIVERSION FACILITIES WHERE THE CONSTRUCTION AND DEMOLITION
- WASTE MATERIAL WILL BE TAKEN. 4. IDENTIFY CONSTRUCTION METHODS EMPLOYED TO REDUCE THE AMOUNT OF
- CONSTRUCTION AND DEMOLITION WASTE GENERATED. 5. Specify that the amount of construction and demolition waste materials diverted
- shall be calculated by weight or volume, but not by both. B. A WASTE MANAGEMENT COMPANY CAN BE UTILIZED IF APPROVED BY THE COUNTY OF SANTA CLARA. SEE CALGREEN 4.408.3 FOR FURTHER .DETAILS

11. DOCUMENTATION SHALL BE PROVIDED TO THE COUNTY OF SANTA CLARA WHICH DEMONSTRATES COMPLIANCE WITH NOTE 10.

12. AT THE TIME OF FINAL INSPECTION, A MANUAL, COMPACT DISC, WEB-BASED REFERENCE OR OTHER MEDIA ACCEPTABLE TO THE COUNTY OF SANTA CLARA INCLUDES ALL OF THE REQUIRED INFORMATION, SHALL BE PLACED IN THE BUILDING. SEE CALGREEN 4.410.1 FOR DETAILS OF REQUIRED INFORMATION.

13. ANY INSTALLED GAS FIREPLACE SHALL BE A DIRECT-VENT SEALED-COMBUSTION TYPE. ANY INSTALLED WOODSTOVE OR PELLET STOVE SHALL COMPLY WITH U.S. EPA NEW SOURCE PERFORMANCE STANDARDS (NSPS) EMISSION LIMITS AS APPLICABLE, AND SHALL HAVE A PERMANENT LABEL INDICATING THEY ARE CERTIFIED TO MEET THE EMISSION LIMITS. WOODSTOVES, PELLET STOVES AND FIREPLACES SHALL ALSO COMPLY WITH APPLICABLE SANTA CLARA COUNTY ORDINANCES AND BAY AREA AIR QUALITY MANAGEMENT DISTRICT REGULATION 6, RULE 3.

14. AT THE TIME OF ROUGH INSTALLATION, DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE COUNTY OF SANTA CLARA TO REDUCE THE AMOUNT OF WATER, DUST AND DEBRIS, WHICH MAY ENTER THE SYSTEM.

15. ADHESIVES, SEALANTS AND CAULKS USED ON THE PROJECT SHALL MEET THE REQUIREMENTS OF CALGREEN TABLES 4.504.1 OR 4.504.2 AS REPRODUCED ON SHEET CG-1. SUCH PRODUCTS ALSO SHALL COMPLY WITH THE RULE 1168 PROHIBITION ON THE USE OF CERTAIN TOXIC COMPOUNDS (CHLOROFORM, ETHYLENE DICHLORIDE, METHYLENE CHLORIDE, PERCHLOROETHYLENE AND TRICHLOROETHYLENE), EXCEPT FOR AEROSOL PRODUCTS, AS SPECIFIED BELOW.

AEROSOL ADHESIVES, AND SMALLER UNIT SIZES OF ADHESIVES, AND SEALANT OR CAULKING COMPOUNDS (IN UNITS OF PRODUCT, LESS PACKAGING, WHICH DO NOT WEIGH MORE THAN 1 POUND AND DO NOT CONSIST OF MORE THAN 16 FLUID OUNCES) SHALL COMPLY WITH STATEWIDE VOC STANDARDS AND OTHER REQUIREMENTS, INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS, OF CALIFORNIA CODE OF REGULATIONS, TITLE 17, COMMENCING WITH SECTION

16. ARCHITECTURAL PAINTS AND COATINGS SHALL COMPLY WITH VOC LIMITS AS SHOWN IN TABLE 4.504.3 SHEET CG-1. THE VOC CONTENT LIMIT FOR COATINGS THAT DO NOT MEET THE DEFINITIONS FOR THE SPECIALTY COATINGS CATEGORIES LISTED IN TABLE 4.504.3 SHALL BE DETERMINED BY CLASSIFYING THE COATING AS A FLAT, NONFLAT OR NONFLAT-HIGH GLOSS COATING, BASED ON ITS GLOSS, AS DEFINED IN SUBSECTIONS 4.21, 4.36, AND 4.37 OF THE 2007 CALIFORNIA AIR RESOURCES BOARD, SUGGESTED CONTROL MEASURE, AND THE CORRESPONDING FLAT, NONFLAT OR NON-FLAT-HIGH GLOSS VOC LIMIT IN TABLE 4.504.3, SHEET CG-1 SHALL APPLY.

17. AEROSOL PAINTS AND COATINGS SHALL MEET THE PRODUCT-WEIGHTED MIR LIMITS FOR ROC IN SECTION 94522(A)(2) AND OTHER REQUIREMENTS, INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS AND OZONE DEPLETING SUBSTANCES, IN SECTIONS 94522(E)(1) AND (F)(1) OF CALIFORNIA CODE OF REGULATIONS, TITLE 17, COMMENCING WITH SECTION 94520; AND IN AREAS UNDER THE JURISDICTION OF THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT ADDITIONALLY COMPLY WITH THE PERCENT VOC BY WEIGHT OF PRODUCT LIMITS OF REGULATION 8, RULE 49.

18. VERIFICATION OF COMPLIANCE WITH NOTES 15, 16, AND 17 SHALL BE PROVIDED AT THE REQUEST OF THE COUNTY OF SANTA CLARA.

19. ALL CARPET INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE TESTING AND PRODUCT REQUIREMENTS OF ONE OF THE FOLLOWING:

- A. CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM
- B. CALIFORNIA DEPARTMENT OF PUBLIC HEALTH, "STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS," VERSION 1.1, FEBRUARY 2010 (ALSO KNOWN AS SPECIFICATION 01350.)
- C. NSF/ANSI 140 AT THE GOLD LEVEL.
- D. SCIENTIFIC CERTIFICATIONS SYSTEMS INDOOR ADVANTAGE GOLD.

ALL CARPET CUSHION INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE REQUIREMENTS OF THE CARPET AND RUG INSTITUTE'S GREEN LABEL PROGRAM. ALL CARPET ADHESIVE SHALL MEET THE REQUIREMENTS OF TABLE 4.504.1, SHEET CG-1.

20. WHERE RESILIENT FLOORING IS INSTALLED, AT LEAST 80 PERCENT OF FLOOR AREA RECEIVING RESILIENT FLOORING SHALL COMPLY WITH ONE OR MORE OF THE FOLLOWING:

County of Santa Clara

- A. PRODUCTS COMPLIANT WITH THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH, "STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS," VERSION 1.1, FEBRUARY 2010 (ALSO KNOWN AS SPECIFICATION 01350), CERTIFIED AS A CHPS LOW-EMITTING MATERIAL IN THE COLLABORATIVE FOR HIGH PERFORMANCE SCHOOLS (CHPS) HIGH PERFORMANCE PRODUCTS
- B. PRODUCTS CERTIFIED UNDER UL GREENGUARD GOLD (FORMERLY THE GREENGUARD CHILDREN & SCHOOLS PROGRAM).
- C. CERTIFICATION UNDER THE RESILIENT FLOOR COVERING INSTITUTE (RFCI) FLOORSCORE PROGRAM.
- D. MEET THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH, "STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS," VERSION 1.1, FEBRUARY 2010 (ALSO KNOWN AS SPECIFICATION 01350).

21. HARDWOOD PLYWOOD, PARTICLEBOARD AND MEDIUM DENSITY FIBERBOARD COMPOSITE WOOD PRODUCTS USED ON THE INTERIOR OR EXTERIOR OF THE BUILDING SHALL MEET THE REQUIREMENTS FOR FORMALDEHYDE AS SPECIFIED IN TABLE 4.504.5 SHEET CG-1.

22. VERIFICATION OF COMPLIANCE WITH NOTE 21 SHALL BE PROVIDED AT THE REQUEST OF THE COUNTY OF SANTA CLARA.

23. CONCRETE SLAB FOUNDATIONS REQUIRED TO HAVE A VAPOR RETARDER BY CBC, CHAPTER 19 OR CONCRETE SLAB-ON-GROUND FLOORS REQUIRED TO HAVE A VAPOR RETARDER BY CRC CHAPTER 5, SHALL COMPLY WITH FOLLOWING REQUIREMENT:

A CAPILLARY BREAK SHALL BE INSTALLED IN COMPLIANCE WITH AT LEAST ONE OF THE FOLLOWING:

- A. A 4-INCH-THICK BASE OF 1/2 INCH OR LARGER CLEAN AGGREGATE SHALL BE PROVIDED WITH A VAPOR RETARDER IN DIRECT CONTACT WITH CONCRETE AND A CONCRETE MIX DESIGN, WHICH WILL ADDRESS BLEEDING, SHRINKAGE, AND CURLING, SHALL BE USED.
- B. A SLAB DESIGN SPECIFIED BY THE LICENSED DESIGN PROFESSIONAL.

24. BUILDING MATERIALS WITH VISIBLE SIGNS OF WATER DAMAGE SHALL NOT BE INSTALLED. WALL AND FLOOR FRAMING SHALL NOT BE ENCLOSED WHEN THE FRAMING MEMBERS EXCEED 19 PERCENT MOISTURE CONTENT. INSULATION PRODUCTS WHICH ARE VISIBLY WET OR HAVE A HIGH MOISTURE CONTENT SHALL BE REPLACED OR ALLOWED TO DRY PRIOR TO ENCLOSURE IN WALL OR FLOOR CAVITIES. WET-APPLIED INSULATION PRODUCTS SHALL FOLLOW THE MANUFACTURERS' DRYING RECOMMENDATIONS PRIOR TO ENCLOSURE.

25. EACH BATHROOM SHALL BE MECHANICALLY VENTILATED AND SHALL COMPLY WITH

- A. FANS SHALL BE ENERGY STAR COMPLIANT AND BE DUCTED TO TERMINATE OUTSIDE THE BUILDING.
- B. UNLESS FUNCTIONING AS A COMPONENT OF A WHOLE HOUSE VENTILATION SYSTEM, FANS MUST BE CONTROLLED BY A HUMIDITY CONTROL.
- 1. HUMIDITY CONTROLS SHALL BE CAPABLE OF ADJUSTMENT BETWEEN A RELATIVE HUMIDITY RANGE OF ≤ 50 PERCENT TO A MAXIMUM OF 80 PERCENT. A HUMIDITY CONTROL MAY UTILIZE MANUAL OR AUTOMATIC MEANS OF
- 2. A HUMIDITY CONTROL MAY BE A SEPARATE COMPONENT TO THE EXHAUST FAN AND IS NOT REQUIRED TO BE INTEGRAL

26. HEATING AND AIR-CONDITIONING SYSTEMS SHALL BE SIZED, DESIGNED AND HAVE THEIR EQUIPMENT SELECTED USING THE FOLLOWING METHODS:

- A. THE HEAT LOSS AND HEAT GAIN IS ESTABLISHED ACCORDING TO ANSI/ACCA 2 MANUAL J-2016 (RESIDENTIAL LOAD CALCULATION), ASHRAE HANDBOOKS OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.
- B. DUCT SYSTEMS ARE SIZED ACCORDING TO ANSI/ACCA 1 MANUAL D-2016 (RESIDENTIAL DUCT SYSTEMS), ASHRAE HANDBOOKS OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.
- C. SELECT HEATING AND COOLING EQUIPMENT ACCORDING TO ANSI/ACCA 3 MANUAL S-2014 (RESIDENTIAL EQUIPMENT SELECTION) OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.

27. HVAC SYSTEM INSTALLERS SHALL BE TRAINED AND CERTIFIED IN THE PROPER INSTALLATION OF HVAC SYSTEMS INCLUDING DUCTS AND EQUIPMENT BY A NATIONALLY OR REGIONALLY RECOGNIZED TRAINING OR CERTIFICATION PROGRAM. UNCERTIFIED PERSONS MAY PERFORM HVAC INSTALLATIONS WHEN UNDER THE DIRECT SUPERVISION AND RESPONSIBILITY OF A PERSON TRAINED AND CERTIFIED TO INSTALL HVAC SYSTEMS OR CONTRACTOR LICENSED TO INSTALL HVAC SYSTEMS.

28. IF REQUIRED BY THE COUNTY OF SANTA CLARA, THE OWNER OR THE RESPONSIBLE ENTITY ACTING AS THE OWNER'S AGENT SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTION OR OTHER DUTIES NECESSARY TO SUBSTANTIATE COMPLIANCE WITH THIS CODE. SPECIAL INSPECTORS SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE COUNTY OF SANTA CLARA FOR THE PARTICULAR TYPE OF INSPECTION OR TASK TO BE PERFORMED. SPECIAL INSPECTORS SHALL BE INDEPENDENT ENTITIES WITH NO FINANCIAL INTEREST IN THE MATERIALS OR THE PROJECT THEY ARE INSPECTING FOR COMPLIANCE WITH THIS CODE.

29. DOCUMENTATION USED TO SHOW COMPLIANCE WITH THIS CODE SHALL INCLUDE BUT IS NOT LIMITED TO, CONSTRUCTION DOCUMENTS, PLANS, SPECIFICATIONS, BUILDER OR INSTALLER CERTIFICATION, INSPECTION REPORTS, OR OTHER METHODS ACCEPTABLE TO THE COUNTY OF SANTA CLARA WHICH DEMONSTRATE SUBSTANTIAL CONFORMANCE. WHEN SPECIFIC DOCUMENTATION OR SPECIAL INSPECTION IS NECESSARY TO VERIFY COMPLIANCE, THAT METHOD OF COMPLIANCE WILL BE SPECIFIED IN THE APPROPRIATE SECTION OR IDENTIFIED IN THE APPLICATION CHECKLIST.

No. C-9778

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CALGreen One or Two Family Residential Project Mandatory and Tier1 Requirements

16.

CALGREEN 2019 NOTES – TIER 1 REQUIREMENTS:

1. SITE WHICH COMPLIES WITH AT LEAST ONE OF THE FOLLOWING CHARACTERISTICS SHALL BE SELECTED:

- A. AN INFILL SITE.
- B. A GREYFIELD SITE.
- C. AN EPA-RECOGNIZED AND REMEDIATED BROWNFIELD SITE.

2. FACILITATE COMMUNITY CONNECTIVITY BY ONE OF THE FOLLOWING METHODS:

- A. LOCATE PROJECT WITHIN A ¼ MILE TRUE WALKING DISTANCE OF AT LEAST FOUR BASIC SERVICES, READILY ACCESSIBLE BY PEDESTRIANS.
- B. LOCATE PROJECT WITHIN A ½ MILE TRUE WALKING DISTANCE OF AT LEAST SEVEN BASIC SERVICES, READILY ACCESSIBLE BY PEDESTRIANS.
- C. OTHER METHODS INCREASING ACCESS TO ADDITIONAL RESOURCES.

EXAMPLES OF SERVICES INCLUDE, BUT ARE NOT LIMITED TO, BANK, PLACE OF WORSHIP, CONVENIENCE GROCERY, DAY CARE, CLEANERS, FIRE STATION, BARBER SHOP, BEAUTY SHOP, HARDWARE STORE, LAUNDRY, LIBRARY, MEDICAL CLINIC, DENTAL CLINIC, SENIOR CARE FACILITY, PARK, PHARMACY, POST OFFICE, RESTAURANT, SCHOOL, SUPERMARKET, THEATER, COMMUNITY CENTER, FITNESS CENTER, MUSEUM OR FARMERS MARKET.

3. INDIVIDUALS WITH OVERSIGHT AUTHORITY ON THE PROJECT WHO HAVE BEEN TRAINED IN AREAS RELATED TO ENVIRONMENTALLY FRIENDLY DEVELOPMENT SHALL TEACH GREEN CONCEPTS TO OTHER MEMBERS OF THE DEVELOPMENT STAFF AND ENSURE THAT TRAINING IS PROVIDED TO ALL PARTIES ASSOCIATED WITH THE DEVELOPMENT OF THE PROJECT.

PRIOR TO BEGINNING THE CONSTRUCTION ACTIVITIES, ALL PARTIES INVOLVED WITH THE DEVELOPMENT PROCESS SHALL RECEIVE A WRITTEN GUIDELINE AND INSTRUCTION SPECIFYING THE GREEN GOALS OF THE PROJECT.

4. THE SALVAGED MATERIALS FROM DECONSTRUCTION OF EXISTING BUILDINGS ON THE SITE SHALL BE REUSED. REUSED MATERIALS OR PRODUCTS MUST COMPLY WITH CURRENT BUILDING STANDARDS REQUIREMENTS OR BE AN ACCEPTED ALTERNATE METHOD OR MATERIAL.

MATERIALS WHICH CAN BE EASILY REUSED INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:

- A. LIGHT FIXTURES.
- B. PLUMBING FIXTURES.
- C. DOORS AND TRIM.
- D. MASONRY.

THE BUILDING.

FOLLOWING:

- E. ELECTRICAL DEVICES. F. APPLIANCES.
- G. FOUNDATIONS OR PORTIONS OF FOUNDATIONS.

REUSED MATERIAL MUST BE IN COMPLIANCE WITH THE APPROPRIATE TITLE 24 REQUIREMENTS.

5. BUILDING SITE SOIL ANALYSIS SHALL BE PERFORMED BY A LICENSED DESIGN PROFESSIONAL AND THE FINDINGS SHALL BE UTILIZED IN THE STRUCTURAL DESIGN OF

6. THE EFFECT OF DEVELOPMENT ON BUILDING SITES SHALL BE EVALUATED AND THE SOIL SHALL BE PROTECTED BY ONE OR MORE OF THE FOLLOWING:

- A. NATURAL DRAINAGE PATTERNS SHALL BE EVALUATED AND EROSION CONTROLS SHALL BE IMPLEMENTED TO MINIMIZE EROSION DURING CONSTRUCTION AND AFTER OCCUPANCY.
- B. SITE ACCESS SHALL BE ACCOMPLISHED BY MINIMIZING THE AMOUNT OF CUT AND FILL NEEDED TO INSTALL ACCESS ROADS AND DRIVEWAYS
- C. AS ALLOWED BY OTHER PARTS OF THE CALIFORNIA BUILDING STANDARDS CODE, UNDERGROUND CONSTRUCTION ACTIVITIES SHALL BE COORDINATED TO UTILIZE THE SAME TRENCH, MINIMIZE THE AMOUNT OF TIME THE DISTURBED SOIL IS EXPOSED AND THE SOIL SHALL BE REPLACED USING ACCEPTED COMPACTION METHODS.

7. TOPSOIL SHALL BE PROTECTED OR SAVED FOR REUSE. DISPLACED TOPSOIL SHALL BE STOCKPILED FOR REUSE IN A DESIGNATED AREA AND COVERED OR PROTECTED FROM EROSION. PROTECTION FROM EROSION INCLUDES COVERING WITH TARPS, STRAW, MULCH, CHIPPED WOOD, VEGETATIVE COVER, OR OTHER MEANS ACCEPTABLE TO THE COUNTY OF SANTA CLARA TO PROTECT THE TOPSOIL FOR LATER USE.

8. POSTCONSTRUCTION LANDSCAPE DESIGNS SHALL ACCOMPLISH ONE OR MORE OF THE

- A. AREAS DISRUPTED DURING CONSTRUCTION SHALL BE RESTORED TO BE
- CONSISTENT WITH NATIVE VEGETATION SPECIES AND PATTERNS. B. UTILIZE AT LEAST 75 PERCENT NATIVE CALIFORNIA OR DROUGHT TOLERANT PLANT AND TREE SPECIES APPROPRIATE FOR THE CLIMATE ZONE REGION

9. PERMEABLE PAVING SHALL BE UTILIZED FOR NOT LESS THAN 20 PERCENT OF THE

TOTAL PARKING, WALKING OR PATIO SURFACES THE PRIMARY DRIVEWAY, PRIMARY ENTRY WALKWAY AND ENTRY PORCH OR LANDING SHALL NOT BE INCLUDED WHEN CALCULATING THE AREA REQUIRED TO BE A PERMEABLE

SURFACE. **10.** INSTALL A VEGETATED ROOF FOR AT LEAST 50 PERCENT OF THE ROOF AREA. VEGETATED ROOFS SHALL COMPLY WITH REQUIREMENTS FOR ROOF GARDENS AND

11. REDUCE NONROOF HEAT ISLANDS FOR 50 PERCENT OF SIDEWALKS, PATIOS, DRIVEWAYS OR OTHER PAVED AREAS BY USING ONE OR MORE OF THE METHODS LISTED.

LANDSCAPED ROOFS IN THE CALIFORNIA BUILDING CODE, CHAPTER 15 AND CHAPTER

A. TREES OR OTHER PLANTINGS TO PROVIDE SHADE AND THAT MATURE WITHIN 15 YEARS OF PLANTING. TREES SHOULD BE NATIVE OR ADAPTIVE TO THE REGION AND CLIMATE ZONES AND NONINVASIVE; HARDY AND RESISTANT TO DROUGHT, INSECTS AND DISEASE; EASY TO MAINTAIN (NO FREQUENT SHEDDING OF TWIGS, BRANCHES, UNWANTED FRUIT OR SEED PODS); AND SUITABLE IN MATURE SIZE

AND ENVIRONMENTAL REQUIREMENTS FOR THE SITE. TREE SELECTION AND PLACEMENT SHOULD CONSIDER LOCATION AND SIZE OF AREAS TO BE SHADED, LOCATION OF UTILITIES, VIEWS FROM THE STRUCTURE, DISTANCE TO SIDEWALKS AND FOUNDATIONS, OVERHANGS ONTO ADJACENT PROPERTIES AND STREETS; OTHER INFRASTRUCTURE AND ADJACENT TO LANDSCAPING. IN ADDITION, SHADING SHALL NOT CAST A SHADOW, AS SPECIFIED, ON ANY NEIGHBORING SOLAR COLLECTORS PURSUANT TO PUBLIC RESOURCES CODE SECTION 25981, ET SEQ. (SOLAR SHADE CONTROL ACT).

B. USE HIGH ALBEDO MATERIALS WITH AN INITIAL SOLAR REFLECTANCE VALUE OF AT LEAST 0.30 AS DETERMINED IN ACCORDANCE ASTM E1918 OR C1549.

- C. USE OPEN GRID PAVEMENT SYSTEM OR PERVIOUS OR PERMEABLE PAVEMENT
- D. LOCATE 50 PERCENT OF PARKING UNDERGROUND OR USE MULTILEVEL PARKING. E. OTHER METHODS OF REDUCING HEAT ISLAND EFFECTS ACCEPTABLE TO THE

12. FOR EACH DWELLING UNIT, INSTALL A DEDICATED 208/240-VOLT BRANCH CIRCUIT IN THE RACEWAY REQUIRED BY CALGREEN SECTION 4.106.4.1 (SEE SHEET GB-2 NOTE 4). THE BRANCH CIRCUIT AND ASSOCIATED OVERCURRENT PROTECTIVE DEVICE SHALL BE RATED AT 40 AMPERES MINIMUM. OTHER ELECTRICAL COM-PONENTS, INCLUDING A RECEPTACLE OR BLANK COVER, RELATED TO THIS SECTION SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE.

THE SERVICE PANEL OR SUB-PANEL CIRCUIT DIRECTORY SHALL IDENTIFY THE OVERCURRENT PROTECTIVE DEVICE DESIGNATED FOR FUTURE EV CHARGING PURPOSES AS "EV READY" IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE. THE RECEPTACLE OR BLANK COVER SHALL BE IDENTIFIED AS "EV READY."

13. OUTDOOR LIGHTING SYSTEMS SHALL BE DESIGNED AND INSTALLED TO COMPLY WITH THE FOLLOWING:

- A. THE MINIMUM REQUIREMENTS IN THE CALIFORNIA ENERGY CODE FOR LIGHTING ZONES 1-4 AS DEFINED IN CHAPTER 10 OF THE CALIFORNIA ADMINISTRATIVE
- B. BACKLIGHT, UPLIGHT AND GLARE (BUG) RATINGS AS DEFINED IN IES TM-15-11;
- C. ALLOWABLE BUG RATINGS NOT EXCEEDING THOSE SHOWN IN CALGREEN TABLE A4.106.10

EXCEPTIONS:

- LUMINAIRES THAT QUALIFY AS EXCEPTIONS IN THE CALIFORNIA ENERGY CODE. EMERGENCY LIGHTING.
- ONE- AND TWO-FAMILY DWELLINGS.

COUNTY OF SANTA CLARA.

14. THE MAXIMUM FLOW RATE OF KITCHEN FAUCETS SHALL NOT EXCEED 1.5 GALLONS PER MINUTE AT 60 PSI. KITCHEN FAUCETS MAY TEMPORARILY INCREASE THE FLOW ABOVE THE MAXIMUM RATE, BUT NOT TO EXCEED 2.2 GALLONS PER MINUTE AT 60 PSI, AND MUST DEFAULT TO A MAXIMUM FLOW RATE OF 1.5 GAL-LONS PER MINUTE AT 60 PSI. WHERE COMPLYING FAUCETS ARE UNAVAILABLE, AERATORS OR OTHER MEANS MAY BE USED TO ACHIEVE REDUCTION.

15. ALTERNATE NONPOTABLE WATER SOURCES SHALL BE USED FOR INDOOR POTABLE WATER REDUCTION. ALTERNATE NONPOTABLE WATER SOURCES SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA PLUMBING Code.

16. INSTALL AT LEAST ONE QUALIFIED ENERGY STAR DISHWASHER OR CLOTHES

17. NONWATER URINALS OR COMPOSTING TOILETS SHALL BE INSTALLED. WHERE APPROVED, HYBRID URINALS, AS DEFINED IN CALGREEN CHAPTER 2, SHALL BE CONSIDERED NONWATER URINALS.

18. ONE- AND TWO-FAMILY DWELLINGS SHALL BE EQUIPPED WITH A DEMAND HOT WATER RECIRCULATION SYSTEM, AS DEFINED IN CALGREEN CHAPTER 2. THE DEMAND HOT WATER RECIRCULATION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE, CALIFORNIA ENERGY CODE, AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

19. AN APPROVED RAINWATER CATCHMENT SYSTEM SHALL BE DESIGNED AND INSTALLED TO USE RAINWATER GENERATED BY AT LEAST 65 PERCENT OF THE AVAILABLE ROOF AREA. RAINWATER CATCHMENT SYSTEMS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE.

20. WHEN LANDSCAPING IS PROVIDED AND AS ALLOWED BY LOCAL ORDINANCE, A WATER EFFICIENT LANDSCAPE IRRIGATION DESIGN THAT ELIMINATES THE USE OF POTABLE WATER BEYOND THE INITIAL REQUIREMENTS FOR PLANT INSTALLATION AND ESTABLISHMENT SHALL BE PROVIDED. METHODS USED TO ACCOM-PLISH THE REQUIREMENTS OF THIS SECTION SHALL COMPLY WITH THE REQUIREMENTS OF THE CALIFORNIA BUILDING STANDARDS CODE AND SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:

- A. USE OF CAPTURED RAINWATER. B. USE OF RECYCLED WATER.
- C. WATER TREATED FOR IRRIGATION PURPOSES AND CONVEYED BY A WATER
- DISTRICT OR PUBLIC ENTITY. D. USE OF GRAYWATER.
- E. USE OF DROUGHT TOLERANT PLANTS.

21. FOR NEW WATER SERVICE CONNECTIONS, LANDSCAPED IRRIGATED AREAS LESS THAN 5,000 SQUARE FEET SHALL BE PROVIDED WITH SEPARATE SUBMETERS OR METERING DEVICES FOR OUTDOOR POTABLE WATER USE.

22. ALTERNATIVE PLUMBING PIPING SHALL BE INSTALLED TO PERMIT THE DISCHARGE FROM THE CLOTHES WASHER OR OTHER FIXTURES TO BE USED FOR AN IRRIGATION SYSTEM IN COMPLIANCE WITH THE CALIFORNIA PLUMBING CODE.

23. BASED ON PROJECTED AVAILABILITY, DUAL WATER PIPING SHALL BE INSTALLED FOR FUTURE USE OF RECYCLED WATER AT THE FOLLOWING LOCATIONS:

A. INTERIOR PIPING FOR THE USE OF RECYCLED WATER SHALL BE INSTALLED TO SERVE ALL WATER CLOSETS, URINALS AND FLOOR DRAINS.

B. EXTERIOR PIPING IS INSTALLED TO TRANSPORT RECYCLED WATER FROM THE POINT OF CONNECTION TO THE STRUCTURE. RECYCLED WATER SYSTEMS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE CALIFORNIA PLUMBING

24. RECYCLED WATER SHALL BE USED FOR LANDSCAPE IRRIGATION.

25. AS ALLOWED BY LOCAL CONDITIONS, UTILIZE A FROST-PROTECTED SHALLOW FOUNDATION (FPSF) IN COMPLIANCE WITH THE CALIFORNIA RESIDENTIAL CODE (CRC). WHEN AN FPSF FOUNDATION SYSTEM IS INSTALLED, THE MANUAL REQUIRED BY CALGREEN SECTION 4.410.1 SHALL INCLUDE INSTRUCTIONS TO THE OWNER OR OCCUPANT REGARDING THE NECESSITY FOR HEATING THE STRUCTURE AS REQUIRED IN SECTION R403.3 OF THE CALIFORNIA RESIDENTIAL CODE.

26. AS ALLOWED BY THE COUNTY OF SANTA CLARA, CEMENT USED IN FOUNDATION MIX DESIGN SHALL BE REDUCED NOT LESS THAN 20 PERCENT. RODUCTS COMMONLY USED TO REPLACE CEMENT IN CONCRETE MIX DESIGNS INCLUDE, BUT ARE NOT LIMITED TO:

- A. FLY ASH.
- B. SLAG.
- C. SILICA FUME. D. RICE HULL ASH.

27. BEAMS, HEADERS AND TRIMMERS SHALL BE SIZED AND INSTALLED AS SPECIFIED IN CHAPTER 23 OF THE CALIFORNIA BUILDING CODE, OR CHAPTER 6 OF THE CALIFORNIA RESIDENTIAL CODE, AS APPLICABLE. OTHER CALCULATIONS ACCEPTABLE TO THE COUNTY OF SANTA CLARA WHICH USE THE MINIMUM SIZE MEMBER FOR THE TRIBUTARY LOAD IS ACCEPTABLE.

28. BUILDING DIMENSIONS AND LAYOUTS SHALL BE DESIGNED TO MINIMIZE WASTE BY ONE OR MORE OF THE FOLLOWING MEASURES IN AT LEAST 80 PERCENT OF THE STRUCTURE:

- A. BUILDING DESIGN DIMENSIONS IN 2-FOOT INCREMENTS ARE USED.
- B. WINDOWS AND DOORS ARE LOCATED AT REGULAR 16" OR 24" STUD POSITIONS. C. OTHER METHODS ACCEPTABLE TO THE COUNTY OF SANTA CLARA.

29. PREMANUFACTURED BUILDING SYSTEMS SHALL BE USED TO ELIMINATE SOLID SAWN LUMBER WHENEVER POSSIBLE. ONE OR MORE OF THE FOLLOWING PREMANUFACTURED

- BUILDING SYSTEMS IS USED:
- A. COMPOSITE FLOOR JOIST OR PREMANUFACTURED FLOOR FRAMING SYSTEM. B. COMPOSITE ROOF RAFTERS OR PREMANUFACTURED ROOF FRAMING SYSTEM.
- C. PANELIZED (SIPS, ICF OR SIMILAR) FRAMING SYSTEMS.

D. OTHER METHODS APPROVED BY THE COUNTY OF SANTA CLARA. 30. MATERIAL LISTS SHALL BE INCLUDED IN THE PLANS WHICH SPECIFY THE MATERIAL

QUANTITY AND PROVIDE DIRECTION FOR ON-SITE CUTS TO BE MADE FROM THE MATERIAL PROVIDED. MATERIAL LISTS AND DIRECTION SHALL BE PROVIDED FOR THE FOLLOWING SYSTEMS:

- A. FLOOR FRAMING.
- B. WALL FRAMING.
- C. CEILING AND ROOF FRAMING. D. STRUCTURAL PANELS AND ROOF SHEATHING.

31. UTILIZE PREFINISHED BUILDING MATERIALS WHICH DO NOT REQUIRE ADDITIONAL PAINTING OR STAINING WHEN POSSIBLE. ONE OR MORE OF THE FOLLOWING BUILDING MATERIALS THAT DO NOT REQUIRE ADDITIONAL RESOURCES FOR FINISHING ARE USED:

- A. EXTERIOR TRIM NOT REQUIRING PAINT OR STAIN.
- B. WINDOWS NOT REQUIRING PAINT OR STAIN.
- C. SIDING OR EXTERIOR WALL COVERINGS WHICH DO NOT REQUIRE PAINT OR

32. CONCRETE FLOORS THAT DO NOT REQUIRE ADDITIONAL COVERINGS SHALL BE USED INCLUDING BUT NOT LIMITED TO STAINED, NATURAL OR STAMPED CONCRETE FLOORS.

33. USE MATERIALS, EQUIVALENT IN PERFORMANCE TO VIRGIN MATERIALS WITH A TOTAL (COMBINED) RECYCLED CONTENT VALUE (RCV) OF NOT BE LESS THAN 10 PERCENT OF THE TOTAL MATERIAL COST OF THE PROJECT.

REQUIRED TOTAL RCV (DOLLARS) = TOTAL MATERIAL COST(DOLLARS) × 10 PERCENT

FOR THE PURPOSES OF THIS SECTION, MATERIALS USED AS COMPONENTS OF THE STRUCTURAL FRAME SHALL NOT BE USED TO CALCULATE RECYCLED CONTENT. THE STRUCTURAL FRAME INCLUDES THE LOAD BEARING STRUCTURAL ELEMENTS, SUCH AS WALL STUDS, PLATES, SILLS, COLUMNS, BEAMS, GIRDERS, JOISTS, RAFTERS AND TRUSSES. SAMPLE FORMS WHICH ALLOW USER INPUT, LOCATED AT SHEET CG-4, MAY BE USED TO SIMPLIFY DOCUMENTING COMPLIANCE WITH THIS SECTION AND FOR CALCULATING RECYCLED CONTENT VALUE OF MATERIALS OR ASSEMBLY PRODUCTS.

SOURCES AND RECYCLED CONTENT OF SOME RECYCLED MATERIALS CAN BE OBTAINED FROM CALRECYCLE IF NOT PROVIDED BY THE MANUFACTURER

FOR FURTHER INSTRUCTION SEE CALGREEN A4.405.3.

34. ONE OR MORE OF THE FOLLOWING MATERIALS MANUFACTURED FROM RAPIDLY RENEWABLE SOURCES OR AGRICULTURAL BY-PRODUCTS SHALL BE USED:

- A. INSULATION.
- B. BAMBOO OR CORK
- C. ENGINEERED PRODUCTS. D. AGRICULTURAL BASED PRODUCTS.
- OTHER PRODUCTS ACCEPTABLE TO THE ENFORCING AGENCY.

THE INTENT OF THIS SECTION IS TO UTILIZE BUILDING MATERIALS AND PRODUCTS WHICH ARE TYPICALLY HARVESTED WITHIN A 10-YEAR OR SHORTER CYCLE.

35. INSTALL FOUNDATION AND LANDSCAPE DRAINS WHICH DISCHARGE TO A DRY WELL SUMP, BIOSWALE OR OTHER APPROVED ON-SITE LOCATION.

36. INSTALL GUTTER AND DOWNSPOUT SYSTEMS TO ROUTE WATER AT LEAST 5 FEET AWAY FROM THE FOUNDATION OR CONNECT TO LANDSCAPE DRAINS WHICH DISCHARGE TO A DRY WELL, SUMP, BIOSWALE, RAINWATER CAPTURE SYSTEM OR OTHER APPROVED

37. PROVIDE FLASHING DETAILS ON THE BUILDING PLANS WHICH COMPLY WITH ACCEPTED INDUSTRY STANDARDS OR MANUFACTURER'S INSTRUCTIONS. DETAILS SHALL BE SHOWN ON HOUSE PLANS AT ALL OF THE FOLLOWING LOCATIONS:

- A. AROUND WINDOWS AND DOORS.
- B. ROOF VALLEYS.
- C. DECK CONNECTIONS TO THE STRUCTURE.
- D. ROOF-TO-WALL INTERSECTIONS.
- E. CHIMNEYS TO ROOF INTERSECTIONS. F. DRIP CAPS ABOVE WINDOWS AND DOORS WITH ARCHITECTURAL PROJECTIONS.

38. PROTECT BUILDING MATERIALS DELIVERED TO THE CONSTRUCTION SITE FROM RAIN AND OTHER SOURCES OF MOISTURE.

39. EXTERIOR DOORS TO THE DWELLING SHALL BE COVERED TO PREVENT WATER INTRUSION BY ONE OR MORE OF THE FOLLOWING:

- A. AN AWNING AT LEAST 4 FEET IN DEPTH IS INSTALLED.
- B. THE DOOR IS PROTECTED BY A ROOF OVERHANG AT LEAST 4 FEET IN DEPTH. C. THE DOOR IS RECESSED AT LEAST 4 FEET.
- D. OTHER METHODS WHICH PROVIDE EQUIVALENT PROTECTION.

40. A PERMANENT OVERHANG OR AWNING AT LEAST 2 FEET IN DEPTH SHALL BE PROVIDED AT ALL EXTERIOR WALLS.

41. NON-HAZARDOUS CONSTRUCTION AND DEMOLITION DEBRIS GENERATED AT THE SITE SHALL BE DIVERTED TO RECYCLE OR SALVAGE IN COMPLIANCE WITH THE

AT LEAST A 65 PERCENT REDUCTION. ANY MIXED RECYCLABLES THAT ARE SENT TO MIXED-WASTE RECYCLING FACILITIES SHALL INCLUDE A QUALIFIED THIRD PARTY VERIFIED FACILITY AVERAGE DIVERSION RATE, VERIFICATION OF DIVERSION RATES SHALL MEET MINIMUM CERTIFICATION ELIGIBILITY GUIDELINES, ACCEPTABLE TO THE COUNTY OF SANTA CLARA.

DEMONSTRATES COMPLIANCE WITH THIS SECTION. DOCUMENTATION SHALL BE IN COMPLIANCE WITH CALGREEN SECTION 4.408.5. **42.** USE COMPOSITE WOOD PRODUCTS MADE WITH EITHER CALIFORNIA AIR RESOURCES

BOARD APPROVED NO-ADDED FORMALDEHYDE (NAF) RESINS OR ULTRA-LOW EMITTING

DOCUMENTATION SHALL BE PROVIDED TO THE COUNTY OF SANTA CLARA WHICH

FORMALDEHYDE (ULEF) RESINS. DOCUMENTATION MUST BE PROVIDED THAT VERIFIES THAT FINISH MATERIALS ARE

CERTIFIED TO MEET THE POLLUTANT EMISSION LIMITS. 43. AT LEAST 90 PERCENT OF THE TOTAL AREA OF RESILIENT FLOORING SYSTEMS INSTALLED IN THE BUILDING SHALL COMPLY WITH THE VOC-EMISSION LIMITS DEFINED

- IN AT LEAST ONE OF THE FOLLOWING: A. PRODUCTS COMPLIANT WITH THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH, "STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS, "VERSION 1.1, FEBRUARY 2010 (ALSO KNOWN AS SPECIFICATION 01350), CERTIFIED AS A CHPS LOW-EMITTING MATERIAL IN THE COLLABORATIVE FOR HIGH PERFORMANCE SCHOOLS (CHPS) HIGH PERFORMANCE PRODUCTS
- DATABASE. B. PRODUCTS CERTIFIED UL GREENGUARD GOLD (FORMERLY THE GREENGUARD
- CHILDREN & SCHOOLS PROGRAM.) C. CERTIFICATION UNDER THE RESILIENT FLOOR COVERING INSTITUTE (RFCI)
- FLOORSCORE PROGRAM. D. MEET THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH, "STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS," VERSION

1.1, FEBRUARY 2010 (ALSO KNOWN AS SPECIFICATION 01350.) DOCUMENTATION MUST BE PROVIDED THAT VERIFIES THAT FINISH MATERIALS ARE

CERTIFIED TO MEET THE POLLUTANT EMISSION LIMITS IN THIS SECTION. 44. INSTALL THERMAL INSULATION IN COMPLIANCE WITH THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH, "STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS," VERSION 1.1, FEBRUARY 2010 (ALSO KNOWN AS SPECIFICATION 01350), CERTIFIED AS A CHPS LOW-EMITTING MATERIAL IN THE COLLABORATIVE FOR HIGH PERFORMANCE SCHOOLS (CHPS) HIGH PERFORMANCE PRODUCTS DATABASE; PRODUCTS CERTIFIED UNDER THE UL GREENGUARD GOLD (FORMERLY GREENGUARD CHILDREN & SCHOOLS PROGRAM); OR MEET CALIFORNIA DEPARTMENT OF PUBLIC HEALTH, "STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS," VERSION 1.1, FEBRUARY 2010 (ALSO KNOWN AS

DOCUMENTATION MUST BE PROVIDED THAT VERIFIES THE MATERIALS ARE CERTIFIED TO MEET THE POLLUTANT EMISSION LIMITS IN THIS SECTION.

45. PROVIDE FILTERS ON RETURN AIR OPENINGS RATED AT MERV 8 OR HIGHER DURING CONSTRUCTION.

SPECIFICATION 01350).

46. DIRECT-VENT HEATING AND COOLING EQUIPMENT SHALL BE UTILIZED IF THE EQUIPMENT WILL BE LOCATED IN THE CONDITIONED SPACE OR INSTALL THE SPACE HEATING AND WATER HEATING EQUIPMENT IN AN ISOLATED MECHANICAL ROOM.

CAL GREEN

Narayanan

Residence

1556 Plateau Ave

Los Altos - CA

10.20.2022

AS NOTED

10.20.2022

14127

Permit Submittal

957 INDUSTRIAL ROAD STE C SAN CARLOS CA 94070 T 650.851.8810 F 650.851.8832

No. C-9778

CALGreen One or Two Family Residential Project Mandatory and Tier1 Requirements County of Santa Clara

MATERIAL SPECIFICATIONS

WOOD FRAMING

ALL PLYWOOD SHALL CONFORM TO U.S. PRODUCT STANDARD PS 1-09. AMERICAN PLYWOOD ASSOC. EACH SHEET SHALL BE STAMPED WITH THE PS AND/OR APA GRADEMARK.

ROOF PLYWOOD

SHALL BE 5 PLY EXPOSURE 1, (CDX), GROUP IDENTIFICATION INDEX 32/16, SPECIES GROUP 2 OR BETTER... WALL PLYWOOD

SHALL BE 5 PLY EXPOSURE 1, (CDX), GROUP IDENTIFICATION INDEX 24/0, SPECIES GROUP 2 OR BETTER. - DESIGNATED SHEAR PLY SHALL BE RATED "STRUCTURAL I" FOR LENGTH SPECIFIED ON PLANS.

FLOOR PLYWOOD SHALL BE 23/32 INCH THICK APA RATED SHEATHING, 48/24 SPAN RATING EXPOSURE 1

ALL PLYWOOD PERMANENTLY EXPOSED TO WEATHER SHALL BE EXTERIOR TYPE PLYWOOD VS. INTERIOR TYPE PLYWOOD AS REFERENCED ABOVE.

DOUGLAS FIR-LARCH, CONFORMING TO WEST COAST LUMBER INSPECTION BUREAU STANDARD GRADING AND DRESSING RULE NO. 17 AS AMENDED TO DATE INCLUDING

MOISTURE CONTENT SHALL BE LESS THAN 15% FROM THE TIME OF INSTALLATION ONWARD.

2x,3x,4x, PLATES, JOISTS, PURLINS, AND RAFTERS, NO. 2 (900F-b), PARA. 123-b UNLESS

- NOTED OTHERWISE ON THE DRAWINGS.
- 2x,3x,4x, HEADERS AND BEAMS, NO. 1 (1000F-b), PARA. 123-BB, UNLESS NOTED OTHERWISE NOTED ON THE DRAWINGS.
- 6x & LARGER BEAMS , DENSE NO. 1 (1550F-b), PARA, 130-BB, WHEN BEAM WIDTH 15 NOT MORE THAN 2" GREATER THAN THICKNESS, THE MEMBER SHALL NOT CONFORM TO ITEM T BELOW.
- . 2x,3x,4x, LEDGERS, NO. 1 & BTR. (1200F-b), PARA. 123-b, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- 5. 4×4 POSTS, NO. 2 (135ØF-c), PARA. 124-b, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- 6. 4x6 POSTS, NO. 2 (1350F-c), PARA. 123-b, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- 6x6 AND LARGER POSTS, NO. 1 (1200F-c), PARA. 131-bb WHEN POST WIDTH IS MORE THAN 2" GREATER THAN THICKNESS, THE MEMBER SHALL CONFORM TO ITEM 3 ABOVE. 8. 2x4, 3x4, STUDS, NAILERS, AND BLOCKING, CONSTRUCTION GRADE, (1000F-b), PARA.
- 9. 2x6 OR LARGER STUDS AND BLOCKING, NO. 1 (1000F-b), PARA. 123-b.
- 10. FOUNDATION PLATES: PRESSURE TREATED DOUGLAS FIR, NO. 2 UNLESS NOTED OTHERWISE ON THE PLANS.
- ALL FRAMING LUMBER 6" OR LARGER IN THE LEAST DIMENSION SHALL BE F.O.H.C. REDWOOD SHALL CONFORM TO THE STANDARD SPECIFICATIONS OF THE REDWOOD INSPECTION SERVICE, AS AMENDED TO DATE.

LIGHT GAGE METAL CONNECTORS

ALL LIGHT GAGE METAL CONNECTORS SHALL BE SIMPSON COMPANY STRONG TIE CONNECTORS, OR EQUAL, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

LAMINATED MEMBERS

LAMINATED MEMBERS SHALL BE IN CONFORMANCE WITH THE STANDARD SPECIFICATIONS OF STRUCTURAL GLU-LAMINATED TIMBER PER ANSI/AITC A190.1-2012.

MEMBERS SHALL BE ARCHITECTURAL APPEARANCE GRADE, EXTERIOR GLUE, END SEALED, LOADED, WRAPPED AND MARKED WITH A QUALITY MARK AND A CERTIFICATE SHALL BE PROVIDED TO THE ENGINEER FOR ALL GLU-LAMINATED TIMBER. I. GLU-LAMS: AITC COMBINATION SYMBOL 24F-V4, LAMINATION DF/DF AT SIMPLE SPANS.

> AITC COMBINATION SYMBOL 24F-V8, LAMINATION DF/DF AT CANTILEVER OR CONTINUOUS SPAN BEAMS.

STRUCTURAL COMPOSITE LUMBER

COMPOSITE LUMBER SHALL BE IN CONFORMANCE WITH ASTM D5456 AND ICC-ES ESR 1387 MEMBERS SHALL BE IDENTIFIED BY A STAMP INDICATING THE PRODUCT TYPE AND GRADE, ICBO REPORT NUMBER, MANUFACTURER'S NAME, PLANT NUMBER, AND INSPECTION AGENCY'S LOGO.

TIMBERSTRAND LSL

a) HEADERS, BEAMS, COLUMNS, JOISTS: 1.7E (2600F-b) b) RIM AND BLOCKING: 1.3E (1700F-b) TYP UNO * c) RIM: 1.5E (225@F-b) WHERE NOTED *

MICROLAM LVL a) 1.9E (2600F-b) TYP UNO

b) 2.0E (2900F-b) WHERE NOTED PARALLAM PSL

a) 2.0E (2900F-b) TYP UNO

1 1/8" LSL SHALL NOT BE USED UNLESS SPECIFICALLY NOTED.

FLOOR JOISTS SHALL BE TJI SERIES TRUSS JOISTS, DESIGNED AND MANUFACTURED BY TRUS-JOIST CORPORATION, P.O. BOX 60, BOISE, IDAHO, 83707, OR EQUAL.

THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE WOOD FLOOR JOISTS TO BE INSTALLED AS SHOWN ON THE CONTRACT DRAWINGS, INCLUDING LAYOUT, SIZE OF

MEMBERS AND CONNECTION DETAILS. IN ADDITION TO THE ABOVE DRAWINGS, CALCULATIONS SHOWING ALL STRESSES AND DEFLECTIONS CAUSED BY DEAD AND LIVE LOADS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW. DRAWINGS AND CALCULATIONS SHALL BE SIGNED BY A REGISTERED CIVIL ENGINEER IN THE STATE OF CALIFORNIA.

FLOOR JOISTS DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH AN I.C.B.O. REPORT, AND APPLICABLE REQUIREMENTS OF THE 2012 IBC AND 2013 CBC.

. FLOOR LOADS: SEE PLAN.

5. JOIST MANUFACTURER SHALL OBTAIN ALL NECESSARY APPROVALS FROM THE PUBLIC AGENCIES INVOLVED IN GOVERNING CONSTRUCTION.

STRUCTURAL STEEL

GENERAL STRUCTURAL STEEL NOTES

REFERENCE: AISC STEEL MANUAL - 14TH EDITION

ALL MISC STRUCTURAL HARDWARE (I.E. PINS, CLEVISES, SLEEVE NUTS, COUPLERS, TURNBUCKLES, ETC ...) SHALL BE CAPABLE OF DEVELOPING THE CAPACITY (TENSION OR COMPRESSION) OF THE ATTACHING ENTITY.

WELDING AND TORCH CUTTING OF ALL MATERIALS, WITH FY GREATER THAN 65KSI OR, FU GREATER THAN 89KSI, ARE NOT PERMITTED WITHOUT PRIOR WRITTEN APPROVAL FROM ENGINEER OF RECORD.

STRUCTURAL STEEL AND MISCELLANEOUS IRON ROLLED W-SHAPES: ASTM A992, Fy=50KSI (TYP UNO)

ROLLED SHAPES INCLUDE W. M. S. HP. C. MC. AND L SHAPES.

ROLLED SHAPES (OTHER THAN W-SHAPES) & MISC PLATES: ASTM A36, Fy=36KSI (TYP UNO)

ALL STRUCTURAL STEEL AND MISCELLANEOUS IRON SHALL BE MANUFACTURED IN ACCORDANCE WITH AISC SPECIFICATIONS. ALL STRUCTURAL STEEL AND MISCELLANEOUS IRON SHALL RECEIVE PRIME COAT. CODE APPROVED LICENSED FABRICATORS REQUIRED FOR STEEL WORKS PER 2018 IBC AND 2019 CBC.

STEEL PIPE
ASTM A53, TYPES E OR S, GRADE B, Fy=35KSI (TYP UNO)

ROUND HSS: ASTM A500, GRADE B, Fy=42KSI (TYP UNO)

RECTANGULAR HSS: ASTM A500, GRADE B, Fy=46KSI (TYP UNO)

CORROSION RESISTANCE: ASTM A847, Fy=50KSI (WHERE NOTED) (FOR RECTANGULAR & ROUND HSS)

COMMON BOLTS: ASTM A307, GRADE A, Fu=60KSI (TYP UNO)

HIGH-STRENGTH BOLTS: ASTM A325-N (WHERE NOTED) 1/2" + TO 1" +: Fu=120KSI

1 1/8"¢ TO 1 1/2"¢: Fu=105KSI

HIGH-STRENGTH BOLTS: ASTM A490 (WHERE NOTED) 1/2" + TO 1 1/2" +: Fu=150KSI

INSTALL CIRCULAR HARDENED WASHER UNDER THE ELEMENT BEING TURNED.

ANCHOR RODS (HOOKED/HEADED/THREADED & NUTTED)

ASTM F1554, GRADE 36, Fy=36KS1 (TYP UNO)

ASTM FI554, GRADE 55, Fy=55KSI (WHERE NOTED)

ASTM F1554, GRADE 105, Fy=105KSI (WHERE NOTED)

ALL GRADE 36 4 55 ANCHOR RODS SHALL CONFORM TO WELDABILITY SUPPLEMENT SI.

THREADED RODS ASTM A36, FY=36KSI (TYP UNO)

ASTM A449: (WHERE NOTED) 1/4"¢ TO 1"¢: FU=12ØKSI | 1/8"¢ TO | 1/2"¢: FU=1Ø5KS|

15/8"¢ TO 3"¢: FU=9ØKSI

ASTM A563

HEX NUT (TYP UNO) HEAVY HEX (WHERE NOTED)

<u>WASHER</u> ASTM F436

HEADED STUDS SHALL BE NELSON STUD TYPE S3L AND H4L (TYP UNO) H4L: 1/4"¢ TO 5/8"¢

53L: 3/4"¢ TO 7/8"¢

<u>WELDING</u> ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS PER AWS "STANDARD QUALIFICATIONS PROCEDURE" UNDER THE DIRECT SUPERVISION OF A REGISTERED DEPUTY INSPECTOR TO PERFORM THE TYPE OF WORK REQUIRED. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS DI.I WELDING CODE. ARC WELDING ELECTRODES SHALL BE AS

CJP'S SHALL BE MILL CERTIFIED "CHARPY V-NOTCH" (20 FT-LB @ -20°F)

ELECTRODE
E6ØXX
E7ØXX
E8ØXX

STRUCTURAL CONCRETE

ALL CONCRETE SHALL HAVE PROPERTIES AS LISTED BELOW.

USED FOR	28 DAY COMPRESSIVE STRENGTH	MAX. W/U O RATIO	MAX. SLUMP	MAX. SLUMP w/ PLACTICIZER	TOP COARSE AGGREGATE
FOOTINGS	4000 psi	.50	4"	6"	3/4"
SLAB-ON-GRADE	3000 psi	.50	4"	6"	3/8"
MAT SLAB / PIERS / STRUCTURAL SLAB / GRADE BEAM	3000 PSI	.48	4"	N/A	3/4"
WALLS, BEAMS, PILASTERS & COLUMNS	3000 PSI	.48	4"	N/A	3/4"
YARD CONCRETE WALKS & CURBS	2000 PSI	.50	4"	N/A	3/4"
STRUCTURAL CONCRETE TOPPING SLAB	3000 PSI	.48	4"	N/A	3/8"

APPROXIMATELY 3 OUNCES PER SACK OF CEMENT OF POZZOLITH 300R OR APPROVED EQUAL MAY BE USED AS A WATER DISPERSING ADDITIVE. SLUMP MAY BE INCREASED TO 6" W/ PLASTICIZER ADDED ON SITE.

- SUBMIT MIX DESIGN PRIOR TO ORDERING CONCRETE IF PLASTICIZER IS USED ADD PLASTICIZER ON-SITE. SEE SPECIAL INSPECTION.
- DO NOT USE PEA GRAVEL MIX. DO NOT ADD WATER TO PLASTIC CONCRETE AT SITE, COLLECT SIGNED DELIVERY
- USE APPROPRIATE MOISTURE LOSS PREVENTION METHOD FOR CURING.

REINFORCING STEEL

DEFORMED REINFORCING BARS (REBAR) DEFORMED BARS FOR REINFORCING SHALL BE GRADE 60, DEFORMED BARS CONFORMING TO ASTM A-615 INCLUDING SUPPLEMENT SI, TYP UNO.

DEFORMED BARS THAT ARE WELDED SHALL BE A106 TYP & WHERE NOTED.

WELDED WIRE FABRIC

NON-SHRINK GROUT SHALL BE FLOWABLE, WITH A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI. NON-SHRINK GROUT SHALL BE MASTERFLOW 928 GROUT AS MANUFACTURED BY MASTER BUILDERS OR APPROVED EQUAL.

EXPANSIVE GROUT

EXPANSIVE GROUT SHALL BE COMPOSED OF CEMENT, SAND, WATER AND INTRAPLAST- N EXPANDING GROUTING AID (MANUFACTURED BY SIKA). EXPANSIVE GROUT SHALL BE PROPORTIONED AND INSTALLED IN ACCORDANCE WITH INTRAPLAST-N RECOMMENDATIONS AND SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI IN 28 DAYS.

MASONRY

MASONRY UNITS MASONRY UNITS SHALL BE NORMAL WEIGHT GRADE N UNITS CONFORMING TO ASTM DESIGNATION C-90 ALL CELLS SHALL BE GROUTED SOLID.

MORTAR SHALL CONFORM TO ASTM C270 TYPE M AND SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 2500 psi AT 28 DAYS.

GROUT SHALL BE COMPOSED OF 1 1/4 PARTS PORTLAND CEMENT, 3 PARTS SAND AND 2 PARTS 3/8" PEA GRAVEL. THE GROUT SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH EQUAL TO OR EXCEEDING I'M BUT NOT LESS THAN 2000 bei

SPECIFIED COMPRESSIVE STRENGTH, f'm. f'm=1500 psi MINIMUM @ 28 DAYS.

EARTHWORK

EARTHWORK/FOUNDATION

ALL FOUNDATION DESIGN AND WORK SHALL BE IN STRICT ACCORDANCE TO THE SOIL REPORT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACQUIRE THE LATEST REPORT INCLUDING THE LATEST AMENDMENTS IF ANY. THE FOLLOWING SOILS REPORT SHALL BE REFERENCED FOR THIS PROJECT:

SOILS ENGINEER: LIIBAN AFFI FOUNDATION ENGINEERING CONSULTANTS, INC. COMPANY NAME: PHONE: 510-371-5019

REPORT: DATED: 04-24-2018

REQUIREMENTS SET FORTH BY SOILS REPORT SHALL TAKE PRECEDENCE OVER THE STRUCTURAL NOTES AND DETAILS

DRAWINGS SHALL BE PROVIDED TO GEOTECHNICAL ENGINEER FOR REVIEW PRIOR TO BEGINNING CONSTRUCTION LETTER OF APPROVAL SHALL BE SUBMITTED TO BUILDING

4. OBSERVATIONS BY GEOTECHNICAL ENGINEER IS REQUIRED AT TIME OF CONSTRUCTION.

<u>SLAB MEMBRANE</u>

10 MIL. POLYETHYLENE FILM, UNDERLAINED PER THE GEOTECH RECOMMENDATIONS.

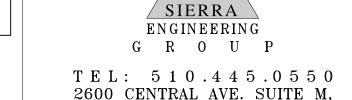
HELICAL FOUNDATION ANCHORS

THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE ANCHORS TO BE INSTALLED AS SHOWN ON THE DRAWINGS. SHOP DRAWINGS SHALL SHOW LAYOUT, TYPE OF ANCHOR, STEEL GRADE AND COATING, AND CONNECTION DETAILS. IN ADDITION TO THE ABOVE DRAWINGS, CALCULATIONS SHOWING ALL STRESSES CAUSED BY INSTALLATION LOADS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW . DRAWINGS AND CALCULATIONS SHALL BE SIGNED BY A REGISTERED CIVIL ENGINEER OF THE STATE OF CALIFORNIA.

- FOUNDATION ANCHORS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE MOST CURRENT CODE, THE GEOTECHNICAL REPORT, IF ONE IS AVAILABLE, AND THE STEEL CONSTRUCTION MANUAL.
- EACH FOUNDATION ANCHOR, INCLUDING THE LEAD SECTION AND ANY REQUIRED EXTENSION SECTIONS, ADAPTERS AND CONNECTIONS SHALL HAVE A SAFE WORKING TENSION CAPACITY OF 16 KIPS.

APPROVALS FROM THE PUBLIC AGENCIES INVOLVED IN GOVERNING CONSTRUCTION.

THE FOUNDATION ANCHOR MANUFACTURER SHALL OBTAIN ALL NECESSARY



UNION CITY, CA, 94587

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Concept Review Progress 09.13.2022 AS NOTED

Material Specifications

S0.0

06.28.2022 22062.0

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MATERIAL SPECIFICATIONS

SUBMITTALS

SHOP DRAWINGS FOR THE ENGINEERS REVIEW THE FOLLOWING WILL BE REQUIRED

- MIX DESIGNS FOR ALL CONCRETE WORK
- REINFORCING STEEL 3. LAMINATED MEMBERS
- 4. STRUCTURAL STEEL AND MISCELLANEOUS METAL
- 5. MANUFACTURED TRUSSES AND JOISTS ±

CONTRACTOR SHALL SUBMIT TWO SETS OF PRINTS FOR REVIEW. FABRICATION SHALL NOT PROCEED NOR SUBMIT TO CITY OFFICIAL UNTIL SHOP DRAWINGS HAVE BEEN REVIEWED AND STAMPED BY ENGINEER.

SHOP DRAWINGS

SUBMITTAL DOCUMENTS FOR THE ABOVE SHOP DRAWING LIST 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 ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.

SPECIAL INSPECTION

<u>SPECIAL INSPECTION</u>
THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR FOR THE FOLLOWING ITEMS: (STRUCTURAL ENGINEER SHALL RECEIVE COPIES OF ALL SPECIAL INSPECTION REPORTS.)

- CONCRETE & REINFORCING PLACEMENT WELDING PER SECTION 1704
- GEOTECHNICAL INSPECTION AS REQ'D BY REPORT/JOB 4. EPOXY INSTALLATION, AND HOLE PREPARATION

DURING THE TAKING OF TEST SPECIMENS AND CONTINUOUSLY DURING THE PLACING OF ALL REINFORCED CONCRETE EXCEPT AS NOTED BELOW.

DURING THE TAKING OF TEST SPECIMENS AND PERIODICALLY DURING THE PLACING OF ALL REINFORCED CONCRETE FOR:

1. STUD BEARING WALLS (EXCLUDING PIERS AND CAISSONS). 2. FOUNDATIONS WITH F'C EQUAL TO 2500 PSI OR LESS 3. NON-STRUCTURAL SLABS ON GRADE.

ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS PER AWS "STANDARD QUALIFICATIONS PROCEDURE" TO PERFORM THE TYPE OF WORK REQUIRED. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS WELDING CODE. ARC WELDING ELECTRODES SHALL BE ETØ SERIES.

ALL STRUCTURAL WELDING, INCLUDING WELDING OF REINFORCING STEEL. STEEL FABRICATOR SHALL PREPARE AND SUBMIT A WELDING PROCEDURE SPECIFICATION (WPS) WHICH SHALL LIST THE POSITION ELECTRODE TYPE WITH ACCEPTABLE RANGES,

BEAD SIZE, WELD SEQUENCE, STRESS AND RELIEVING MANUFACTURER'S TECHNICAL DATA SHEET SHALL BE SUBMITTED WITH EACH WPS TO CONFIRM THE PERTINENT WELDING PARAMETERS.

ALL STRUCTURAL WELDING INCLUDING WELDING OF REINFORCING STEEL.

- 1. WELDING DONE IN FABRICATORS SHOP, APPROVED BY THE CITY BUILDING
- 2. SINGLE PASS FILLET WELDS MAY HAVE PERIODIC INSPECTION UNLESS NOTED OTHERWISE ON THE CONTRACT DRAWINGS.
- 3. FLOOR AND ROOF DECK WELDING MAY HAVE PERIODIC INSPECTIONS. 4. WELDED STUDS MAY HAVE PERIODIC INSPECTIONS.

3. STRUCTURAL MASONRY (NOT NOTED ON PLAN AS REQUIRING CONTINUOUS INSPECTION) DURING THE PREPARATION OF MASONRY WALL PRISMS, INSPECTION OF GROUT SPACE IMMEDIATELY PRIOR TO CLOSING OF CLEANOUTS AND PERIODICALY DURING THE PLACEMENT OF REINFORCING AND GROUTING OPERATIONS

STRUCTURAL MASONRY (WHERE NOTED ON THE DRAWINGS AS REQUIRED TO HAVE

CONTINUOUS SPECIAL INSPECTION) DURING PREPARATION OF MASONRY WALL PRISMS, SAMPLING AND PLACING OF ALL MASONRY UNITS, PLACEMENT OF REINFORCEMENTS, INSPECTION OF GROUT SPACE, IMMEDIATELY PRIOR TO CLOSING OF CLEANOUTS, AND DURING ALL GROUTING OPERATIONS, CONTINUOUSLY DURING ALL PREPARATION AND POINTING OF UNREINFORCED MASONRY WALL JOINTS. DURING THE PREPARATION OF MASONRY WALL PRISIMS, INSPECTIONS OF GROUT SPACE IMMEDIATELY PRIOR TO CLOSING OF CLEANOUTS AND PERIODICALLY DURING THE PLACEMENT OF REINFORCING AND

GROUTING OPERATIONS. REINFORCING STEEL

PERIODICALLY, DURING THE PLACING OF REINFORCING STEEL FOR ALL CONCRETE REQUIRED TO HAVE CONTINUOUS SPECIAL INSPECTION.

6. BOLTS INSTALLED IN CONCRETE

DURING INSTALLATION OF BOLTS AND PLACING OF CONCRETE AROUND SUCH BOLTS NOTED ON THE DRAWINGS AS REQUIRING SPECIAL INSPECTION.

HIGH STRENGTH BOLTING

DURING ALL BOLT INSTALLATIONS AND TIGHTENING OPERATIONS. EXCEPTIONS 1. THE SPECIAL INSPECTOR NEED NOT BE PRESENT DURING THE ENTIRE INSTALLATION

AND SPECIFICATIONS PRIOR TO START OF BOLTING. I) INSPECTED THE SURFACES AND BOLT TYPE FOR CONFORMANCE TO PLANS AND

- SPECIFICATIONS PRIOR TO START OF BOLTING II) AND WILL UPON COMPLETION OF ALL BOLTING, VERIFY THE MINIMUM SPECIFIED
- BOLT TENSION FOR 10 PERCENT OF THE BOLTS FOR EACH CONNECTION.
- 2. IN BEARING-TYPE CONNECTIONS WHEN THREADS ARE NOT REQUIRED BY DESIGN TO BE EXCLUDED FROM THE SHEAR PLANE, INSPECTION PRIOR TO OR DURING INSTALLATION WILL NOT BE REQUIRED.

DURING DRIVING AND TESTING OF PILES

SPECIAL INSPECTOR

SPECIAL INSPECTOR THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE HIS COMPETENCE TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF A CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.

DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR

THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPLICABLE DESIGN DRAWINGS AND SPECIFICATIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE ENGINEER OR ARCHITECT OF RECORD, AND ANY OTHER DESIGNATED PERSONS ON A WEEKLY BASIS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE PROPER DESIGN AUTHORITY AND TO THE BUILDING OFFICIAL. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF HIS KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, AND THE APPLICABLE WORKMANSHIP PROVISION OF THIS CODE.

STRUCTURAL OBSERVATION

REQUIRED OBSERVATIONS BY STRUCTURAL ENGINEER OF RECORD:

FOUNDATION REINF - INCLUDING ALL ANCHOR BOLTS & HOLDOWNS.

ROUGH FRAMING - INCLUDING SHEATHING.

CONTRACTOR SHALL NOTIFY ENGINEER A MINUMUM OF 5 WORKING DAYS PRIOR TO THE TIME WHEN HIS PRESENCE IS REQUIRED. PLEASE NOTE THAT THESE OBSERVATIONS ARE INDEPENDENT OF INSPECTIONS REQUIRED BY THE CITY BUILDING DEPARTMENT.

INSPECTION NOTES

REFER TO SECTION 1704 OF THE 2019 CBC FOR

AMPLIFICATION	ITION 1704 OF THE 2019 CBC FOR NOF THE FOLLOWING REQUIREMENTS. ALL CETORS MUST SUBMIT FINAL REPORTS.			
		SPECIAL RE	. INSF QUIRE	
I. FOUNDATI	IONS:		NO	
B. VISIUAL E	TED FILL INCLUDING UTILITY TRENCHES. EXAMINATION & APPROVAL OF ALL ION EXCAVATIONS.			
	DUS INSPECTION OF PILE DRIVING AND/OR			
2. <u>CONCRET</u>	<u>E:</u>			
	DUS INSPECTION & TEST CYLINDERS FOR OVER 2500 PSI.			
B. DURING T	HE TAKING OF TEST SPECIMENS AND OF ALL SHOTCRETE.			
3. REINFORG	CING AND PRESTRESSING STEEL:			
	OF REINFORCING. OF TENDONS			
	S & TESTING OF STEEL PORTS & IDENTIFICATION OF STEEL)			
D. CONTINUC	DUS INSPECTION OF INSTALLATION R COUPLERS			
	PUS INSPECTION DURING STRESSING			
	ASURED ELONGATION AND JACKING			\boxtimes
G. GROUTING	SOF POST-TENSIONED CONCRETE NSIONED TENDON PROTECTIVE WRAPPING			⊠ ⊠
4. MASONRY	<u>-</u>			
B. SAMPLING C. CONTINUC	S & TESTING OF MASONRY S & TESTING OF GROUT & MORTAR DUS INSPECTION C INSPECTION			
5. INSULATIN	IG CONCRETE FILL:			
A, TEST & IN:	SPECTIONS			\boxtimes
6. WELDING	<u>:</u>			
	ICTURAL FIELD WELDING 9 DECKING)	\boxtimes		
	TRUCTIVE TESTING OF MOMENT-RESISTING			
	RAL LIGHT GAGE METAL FRAMING			\boxtimes
7. BOLTING:	<u>.</u>			
	ENGTH BOLTING ON BOTLS IN CONCRETE OR MASONRY			
8. STRUCTUR	RAL STEEL:			
	PORTS & INDENTIFICATION OF STEEL (IT OF COMPLIANCE)			
B. SAMPLING				

NOTE:

ALL TESTS & INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT INSPECTION AGENCY. JOB SITE VISITS BY THE STRUCTURAL ENGINEER DO NOT CONSTITUTE AND ARE NOT A SUBSTITUTE FOR INSPECTION UNLESS THE STRUCTURAL ENGINEER IS CONTRACTED TO DO SO.

A COPY OF ALL TESTING AND INSPECTION REPORTS SHALL BE SUMBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL.

IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO SEE THAT THESE TESTS AND INSPECTIONS ARE PERFORMED.





SIERRA ENGINEERING G R O U P TEL: 510.445.0550 2600 CENTRAL AVE. SUITE M, UNION CITY, CA, 94587

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Concept Review	
Progress	09.13.2022
Scale	AS NOTED
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Material Specifications

GENERAL NOTES, ABBREVIATIONS

GENERAL NOTES

- GENERAL NOTES APPLY TO ALL DRAWINGS
- . DO ALL WORK IN ACCORDANCE WITH ALL STATE AND LOCAL BUILDING CODES IN EFFECT AT PLACE AND TIME OF CONSTRUCTION.
- 3. PROVIDE SPECIAL INSPECTION AS REQUIRED BY STRUCTURAL SPECIFICATIONS.
- 4. CONSTRUCT THOSE FEATURES OF THE PROJECT, WHICH MAY NOT BE FULLY SHOWN, IN MANNER SIMILAR TO THAT USED FOR SIMILAR FEATURES.
- 5. OMISSION OR CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE DRAWING, NOTES AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND RESOLVED PRIOR TO PROCEEDING WITH THE WORK.
- 6. CONTRACTOR SHALL REVIEW THE NEED FOR TEMPORARY SHORING, CHEMICAL GROUTING OR UNDERPINNING PRIOR TO EXCAVATION, CONTRACTOR SHALL DESIGN AND INSTALL ALL TEMPORARY BRACING, ETC., REQUIRED DURING ALL STAGES OF
- CONTRACTOR SHALL SUBMIT IN WRITING, ANY REQUEST FOR MODIFICATIONS TO THE PLANS AND SPECIFICATIONS. SHOP DRAWINGS SUBMITTED FOR REVIEW DO NOT CONSTITUTE "IN WRITING" UNLESS IT IS CLEARLY NOTED THAT SPECIFIC CHANGES ARE BEING REQUESTED.
- 8. ALL CONSTRUCTION WORK SHALL CONFORM TO 2018 IBC AND 2019 CBC.
- 9. CONTRACTOR SHALL YERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS OR STARTING CONSTRUCTION AND NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- 10. RETURN TO ARCHITECTURAL DRAWINGS FOR LOCATION AND EXTENT OF OPENINGS AND PENETRATIONS. COORDINATE PENETRATIONS. NO NEW OPENING SHALL BE MADE WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT.

REFER TO ARCH, MECH, AND ELECTRICAL DRAWINGS FOR LOCATION AND SIZE OF BLOCK OUT, INSERTS, OPENINGS, AND CURBS. DIMENSIONS ARE NOT SHOWN ON STRUCTURAL DRAWINGS.

- 2. GENERAL CONTRACTORS SHALL VERIFY WITH STRUCTURAL ENGINEER ALL MECH. UNIT LOCATIONS PRIOR TO INSTALLATIONS.
- 13. WHERE EXISTING FIREPROOFING IS TO BE DISTURBED TO ALLOW INSTALLATION OF NEW BRACING OR SIMILAR CONSTRUCTION, CONTRACTOR SHALL REPLACE IN KIND AFTER ALL NEW CONSTRUCTION IS IN PLACE. ALL STEEL STRUCTURES MUST BE COVERED BY ADEQUATE F. R. MATERIAL OR MAINTAINED WITH SAME F. R. MATERIAL.
- CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY IF ANY DISCREPANCY AFFECTING STRUCTURAL WORK IS NOTED BETWEEN THE STRUCTURAL DRAWINGS AND ARCHITECTURAL OR MECHANICAL DRAWINGS.
- 15. CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR HIS REVIEW, SPECIFICATIONS FOR ANY ITEM INTENDED TO BE USED AS A SUBSTITUTION FOR ITEMS SPECIFIED IN THESE DRAWINGS. CONTRACTOR SHALL NOT PROCEED UNTIL THE SUBSTITUTION HAS BEEN REVIEWED AND APPROVED BY THE ENGINEER.
- 16. IN ADDITION TO THIS DOCUMENT, THE CONTRACTOR SHALL COMPLY WITH GENERAL MALL CRITERIA HANDBOOK AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCY BETWEEN THE TWO DOCUMENTS PRIOR TO STARTING ANY WORK.
- TENANT STRUCTURAL ADDITIONS AND MODIFICATIONS MUST BE REVISED AND APPROVED BY LANDLORDS STRUCTURAL ENGINEER PRIOR TO START OF CONSTRUCTION, TENANT'S RESPONSIBLE FOR COST OF ALL APPROVED MODIFICATIONS.
- 18. DETAILS SHOWN SHALL BE INCORPORATED INTO THE PROJECT AT ALL APPROPRIATE LOCATIONS WHETHER SPECIFICALLY CALLED OUT OR NOT.
- 19. STRUCTURAL DRAWINGS HAVE BEEN COORDINATED WITH THE BASE BUILDING STRUCTURAL DRAWINGS IF ANY DISCREPANCIES OCCUR DUE TO AS-BUILT CONDITIONS, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT & STRUCTURAL ENGINEER OF RECORD.

CONSTRUCTION LIABILITY

CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS AGREE THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR AND HIS SUBCONTRACTORS WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS FURTHER AGREE TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL..

GENERAL NOTES

OF THE SPAN.

CONVENTIONAL CONSTRUCTION PROVISIONS THE REQUIREMENTS CONTAINED IN THIS SECTION ARE INTENDED FOR CONVENTIONAL. LIGHT FRAME CONSTRUCTION. OTHER METHODS MAY BE USED, PROVIDED A SATISFACTORY DESIGN IS SUBMITTED SHOWING COMPLIANCE WITH OTHER PROVISIONS OF THE 2018 IBC AND 2019 CBC.

GIRDERS: GIRDER END JOINTS SHALL OCCUR OVER A SUPPORT. WHEN A GIRDER IS SPLICED OVER A SUPPORT, AN ADEQUATE TIE SHALL BE PROVIDED. THE END BEAMS OR GIRDERS SUPPORTED ON MASONRY OR CONCRETE SHALL NOT HAVE LESS THAN 3 INCHES OF BEARING.

BEARING: EXCEPT WHERE SUPPORTED ON A 1 INCH BY 4 INCH RIBBON STRIP AND NAILED TO THE ADJOINING STUD. THE ENDS OF EACH JOIST SHALL NOT HAVE LESS THAN 1 1/2 INCHES OF BEARING ON WOOD OR METAL, OR LESS THAN 3 INCHES ON MASONRY.

FRAMING JOISTS SHALL BE SUPPORTED LATERALLY AT THE ENDS AND AT EACH DETAILS: SUPPORT BY SOLID BLOCKING EXCEPT WHERE THE ENDS OF JOISTS ARE NAILED TO A HEADER, BAND OR RIM JOIST OR TO AN ADJOINING STUD OR BY OTHER APPROVED MEANS. SOLID BLOCKING SHALL NOT BE LESS THAN 2 INCHES IN THICKNESS AND THE FULL DEPTH OF JOIST.

SHALL NOT EXCEED ONE THIRD THE DEPTH OF THE JOIST, AND THE ON THE END DIAMETER OF ANY SUCH HOLE SHALL NOT EXCEED ONE THIRD THE DEPTH OF JOISTS: OF THE JOIST, NOTCHES IN THE TOP OR BOTTOM OF JOISTS SHALL NOT EXCEED ONE-SIXTH THE DEPTH AND BE LOCATED IN THE MIDDLE THIRD

JOIST FRAMING INTO THE SIDES OF THE BEAM, GIRDER OR PARTITION SHALL FRAMING: BE LAPPED AT LEAST 3 INCHES OR THE OPPOSING JOISTS SHALL BE TIED TOGETHER IN AN APPROVED MANNER. JOISTS FRAMING INTO THE SIDE OF A WOOD GIRDER SHALL BE SUPPORTED BY FRAMING ANCHORS OR ON LEDGER STRIPS NOT LESS THAN 2 INCHES BY 2 INCHES.

TRIMMER AND HEADER JOISTS SHALL BE DOUBLED, OR OF LUMBER OF FRAMING EQUIVALENT CROSS SECTION, WHEN THE SPAN OF THE HEADER EXCEEDS 4 AROUND FEET. THE ENDS OF HEADER JOISTS MORE THAN 6 FEET LONG SHALL BE OPENINGS: SUPPORTED BY FRAMING ANCHORS OR JOIST HANGERS UNLESS BEARING ON A BEAM, PARTITION OR WALL.

SUPPORTED BEARING PARTITIONS PERPENDICULAR TO JOISTS SHALL NOT BE OFFSET FROM SUPPORTED GIRDERS, WALLS OR PARTITIONS MORE THAN THE JOIST PARTITIONS: DEPTH. JOISTS UNDER AND PARALLEL TO BEARING PARTITION SHALL BE

FRAMING DETAILS: STUDS SHALL BE PLACED WITH THEIR WIDE DIMENSION FRAMING: PERPENDICULAR TO THE WALL. NOT LESS THAN THREE STUDS SHALL BE INSTALLATION EACH END CORNER OF AN EXTERIOR WALL.

BEARING 4 SHALL BE CAPPED WITH DOUBLE TOP PLATES INSTALLED TO PROVIDE EXTERIOR OVERLAPPING AT CORNERS AND AT INTERSECTIONS WITH OTHER WALL STUD PARTITIONS. END JOINTS IN DOUBLE TOP PLATES SHALL BE OFFSET AT LEAST 48 INCHES. STUD PARTITIONS CONTAINING PLUMBING, HEATING, OR PIPES IN WALLS: OTHER PIPES SHALL BE SO FRAMED AND THE JOISTS UNDERNEATH SO SPACED AS TO GIVE PROPER CLEARANCE FOR THE PIPING. WHERE A PARTITION CONTAINING SUCH PIPING RUNS PARALLEL TO THE FLOOR

JOISTS UNDERNEATH SUCH PARTITIONS SHALL BE DOUBLE AND SPACED TO PERMIT PASSAGE OF SUCH PIPES AND SHALL BE BRIDGED, WHERE PLUMBING OR HEATING PIPES ARE PLACED IN OR PARTLY IN A PARTITION, NECESSITATING THE CUTTING OF THE SOLES OR PLATES, A PARTITION, A METAL TIE NOT LESS THAN 1/8" THICK AND 1 1/2 INCHES WIDE SHALL BE FASTENED TO THE PLATE ACROSS AND TO EACH SIDE OF THE OPENING WITH NOT LESS THAN FOUR 10d NAILS.

HOLDOWN

WITHOUT

ABBREVIATIONS

ABBREVIATION

HIGH STRENGTH BOLT

STANDARD SIERRA ENGINEERING GROUP STRUCTURAL ABBREVIATIONS

ADDR	ADDREVIATION	HD	HOLDOWN
AFF	ABOVE FINISH FLOOR	HORIZ	HORIZONTAL
ADD'L	ADDITIONAL	HDG	HOT DIPPED GALVANIZED
ALT	ALTERNATE		
			NCIDE DI WETED
AB	ANCHOR BOLTS	ID	INSIDE DIAMETER
ARCH	ARCHITECTURAL	MB	MACHINE BOLT
ATTACH	ATTACHMENT	MFR	MANUFACTURER
BM	BEAM	MAT'L	MATERIAL
·			
BRG	BEARING	MAX	MAXIMUM
B'TWN	BETWEEN	MECH	MECHANICAL
BLK'G	BLOCKING:	MTL	METAL
BOTT	BOTTOM	ML	MICROLLAM
B.O.	BOTTOM OF	MIN	MINIMUM
	•		
CAMB	CAMBER	NS	NEAR SIDE
CLG	CEILING		
CHG	CHANGE	NSFS	NEAR SIDE AND FAR SIDE
C	CHANNEL	OC	ON CENTER
		OMI	
CLR	CLEARANCE		OPEN WEB JOIST
COLL	COLLECTOR	OPNG:	OPENING:
COL	COLUMN	OD	OUTSIDE DIAMETER
CONC	CONCRETE	0/	OVER
CU	CONDENSING UNIT	PARA	PARALLAM
CONN	CONNECTION	₽.	PLATE
CONT	CONTINUOUS	PLYWD	PLYWOOD
DP	DEEP	PT	POST TENSIONED/PRE-TENSIONED
DIAG	DIAGONAL	PT	PRESSURE TREATED
DIA	DIAMETER	PTDF	PRESSURE TREATED DOUGLAS FIR
DIM	DIMENSION	RFTR	RAFTER
DBL	DOUBLE	REINF	REINFORCEMENT
DWG	DRAWING	REQ'D	REQUIRED
DWGS	DRAWINGS	RTU	ROOF TOP UNIT
EA	EACH	SAD	SEE ARCH DRAWING
	•		
EΜ	EACH WAY	SDS	SELF DRILLING SCREWS
EN	EDGE NAILING	SHTG	SHEATHING
ELEC	ELECTRICAL	SHT	SHEET
ELEY	ELEVATION	SIM	SIMILAR
EMBED	EMBEDMENT	50G	SLAB ON GRADE
EQ	EQUAL	STD	STANDARD
E/O	EVERY OTHER	STL	STEEL
(E)	EXISTING	STIF	STIFFENER
FS	FAR SIDE	STRNG'R	STRINGER
Ħ		STRUCT	STRUCTURAL
	FINISH FLOOR	SIRUCI	STRUCTURAL
FLR	FLOOR		
F J	FLOOR JOIST	TSG:	TAPERED STEEL GIRDER
FTG	FOOTING	THRORD	THREADED ROD
FND	FOUNDATION	T&G	TOUNGE AND GROOVE
FRM'G	FRAMING	T#B	TOP AND BOTTOM
GALY	GALYANIZED	Ť. <i>O.</i>	top of
GΑ	GAUGE	TJI	TRUSS JOIST
GDR	GIRDER	TS	TUBE STEEL
GLB	GLUE-LAM BEAM	TYP	TYPICAL
GWB	GYPSUM WALL BOARD		UNLESS NOTED OTHERWISE
		UNO	
HGR	HANGER	∨IF	VERIFY-IN-FIELD
HWS	HEADED WELDED STUD	YERT	VERTICAL VERTICAL
HDR	HEADER	WWF	WELDED WIRE FABRIC
HT	HEIGHT	W	WIDE FLANGE
HS HSB	HIGH STRENGTH	W/	WITH
1160	LICH GERMANICAL PANT	1.1773	LOTE IZALIT

FASTENING SCHEDULE. SEE 2019 CBC TABLE 2304.10.1 JOIST TO SILL OR GIRDER, TOENAIL BRIDGING TO JOIST, TOENAIL EACH END I"x6" SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL 4. WIDER THAN I" × 6" SUBFLOOR TO EACH JOIST, FACE NAIL 5. 2" (51mm) SUB FLOOR TO JOIST OR GRIDER, BLIND AND FACE NAIL 6. SOLE PLATE TO JOIST OR BLOCKING, TYPICAL FACE NAIL SOLE PLATE TO JOIST OR BLOCKING, AT BRACED WALL PANELS TOP PLATE TO STUD, END NAIL 3-16d PER 16" OC 2-16d 8. STUD TO SOLE PLATE 4-8d, TOENAIL OR 2-16d, END NAIL 9. DOUBLE STUDS, FACE NAIL 10. DOUBLED TOP PLATES, TYPICAL FACE NAIL DOUBLE TOP PLATES, LAP SPLICE 8-16d BLOCKING BETWEEN JOIST OR RAFTERS TO TOP PLATE, TOENAIL RIM JOIST TO TOP PLATE, TOENAIL TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL 8d AT 6" OC 14. CONTINUOUS HEADER, TWO PIECES 15. CEILING JOIST TO PLATE, TOENAIL 16. CONTINUOUS HEADER TO STUD, TOENAIL 17. CEILING JOISTS, LAP OVER PARTITIONS, FACE NAIL 18. CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL 16d AT 16" OC ALONG EACH EDGE 3-16d 3-16d 20. I" BRACE TO EACH STUD AND PLATE, FACE NAIL 21. I" x 8" SHEATHING TO OR LESS EACH BEARING, FACE NAIL 22. WIDER THAN I" x 8" SHEATHING TO EACH BEARING, FACE NAIL . BUILT UP CORNER STUDS 20D AT 32" OC AT TOP AND BOTTOM AND 24. BUILT UP GRIDER AND BEAMS STAGGERD 2-20D AT ENDS AND AT EACH

STAGEND 2-	200 AI LINDO AND AI L
	SPI
25. 2" PLANKS	2-16d AT EACH BEAR
26. COLLAR TIE TO RAFTER FACE NAIL	3-10d COM
27. JACK RAFTER TO HIP TOENAIL	3-10d COM
JACK RAFTER TO HIP FACE NAIL	2-16d COM
28. ROOF RAFTER TO 2-BY RIDGE BEAM TOENAIL	2-16d COM
ROOF RAFTER TO 2-BY RIDGE BEAM FACE NAIL	2-16d COM
29. JOIST TO BAND JOIST FACE NAIL	3-16d COM
30. LEDGER STRIP FACE NAIL	3-16d COM
31. WOOD STRUCTURAL PANELS AND PARTICLEBOARD: (2)	
SUBFLOOR AND WALL SHEATHING (TO FRAMING):	
1/2" AND LESS	6
19/32"-3/4"	8d(4) or 6
7/8"-1"	8
1 1/8"-1 1/4"	10d(4) or 8
COMBINATION SUBFLOOR-UNDERLAYMENT (TO FRAMING):	
3/4" AND LESS	6
7/8"-1"	8
1 1/8"- 1 1/4"	10d(4) or 8
32. PANEL SIDING (TO FRAMING)	
1/2" OR LESS	6
5/8"	80
33. FIBERBOARD SHEATHING:(7)	
1/2"	NO.11 G,
	6
	NO. 16 G
25/32"	NO. 11 G,
	8
	NO. 16 G
34. INTERIOR PANELING	
1/4"	40
11	· -

6d(11, COMMON OR BOX NAILS MAY BE USED EXCEPT WHERE OTHERWISE STATED. NAILS SPACED AT 6 INCHES ON CENTER AT EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS EXCEPT 6 INCHES AT ALL SUPPORTS WHERE SPANS ARE 48 INCHES OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLEBOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTION 2315.3.3 AND 2315.4. NAILS FOR WALL SHEATHING MAY BE COMMON, BOX OR CASING. COMMON OR DEFORMED SHANK. COMMON.

DEFORMED SHANK CORROSION-RESITANT SIDING OR CASING NAILS CONFORMING TO THE REQUIREMENTS OF SECTION 2304.3. FASTENERS SPACED 3 INCHES ON CENTER AT EXTERIOR EDGES AND 6 INCHES ON CENTER AT INTERMEDIATE

CORROSION-RESITANT ROOFING NAILS WITH 1/16-INCH DIAMETER HEAD AND 1 1/2-INCH LENGTH FOR 1/2-INCH SHEATHING AND 13/4-INCH LENGTH FOR 25/32-INCH SHEATHING CONFORMING TO THE REQUIREMENTS OF SECTION

CORROSION-RESISTANT STAPLES WITH NOMINAL 7/16-INCH CROWN AND 1 1/8-INCH LENGTH FOR 1/2-INCH SHEATHING AND 11/2-INCH LENGTH FOR 25/32-INCH SHEATHING CONFORMING TO THE REQUIRMENTS OF SECTION

10. PANEL SUPPORTS AT 16 INCHES 20 INCHES IF STRENGTH AXIS IN THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE MAKED, CASTING OR FINISH NAILS SPACED 6 INCHES OR PANEL EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS.

PANEL SUPPORTS AT 24 INCHES. CASTING OR FINISH NAILS SPACED 6 INCHES ON PANEL EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS.

SHEET INDEX:

SO.O MATERIAL SPECIFICATIONS MATERIAL SPECIFICATIONS

GENERAL NOTES, ABBREVIATIONS

TYPICAL DETAILS TYPICAL DETAILS

TYPICAL DETAILS FOUNDATION PLAN

MID LEVEL FRAMING PLAN

UPPER LEVEL FRAMING PLAN ROOF FRAMING PLAN

SPECIFIC DETAILS

SPECIFIC DETAILS

SPECIFIC DETAILS

DESIGN CRITERIA

OCCUPANCY CATEGORY = II FLOOR LIVE LOAD = 40 PSF INTERIOR, 60 PSF TERRACE ROOF LIVE LOAD = 20 PSF

WIND CRITERIA

BASIC WIND SPEED = 91 MPH = 1.0 WIND EXPOSURE CATEGORY = C COMPONENTS AND CLADDING =25 PSF

V = 62 KIPS

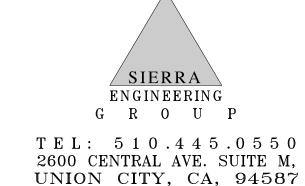
SEISMIC CRITERIA SITE CLASS = D SEISMIC RISK CATEGORY = II SITE COEFFICIENT Fa = 1.2 SITE COEFFICIENT FY = 1,7 Ss = 2.315a| S| = 0.841qSms = 2.778g Sm1 = 1.429a 5ds = 1.852c6d1 = 0.953q

= 1.0 SEISMIC FORCE RESISTING SYSTEM = WOOD SHEAR WALL SYSTEM $R = 6 \frac{1}{2}$ Cs = 0.285

ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE

957 INDUSTRIAL ROAD STE C SAN CARLOS CA 94070 F 650.851.8832





Narayanan Residence 1556 Plateau Ave

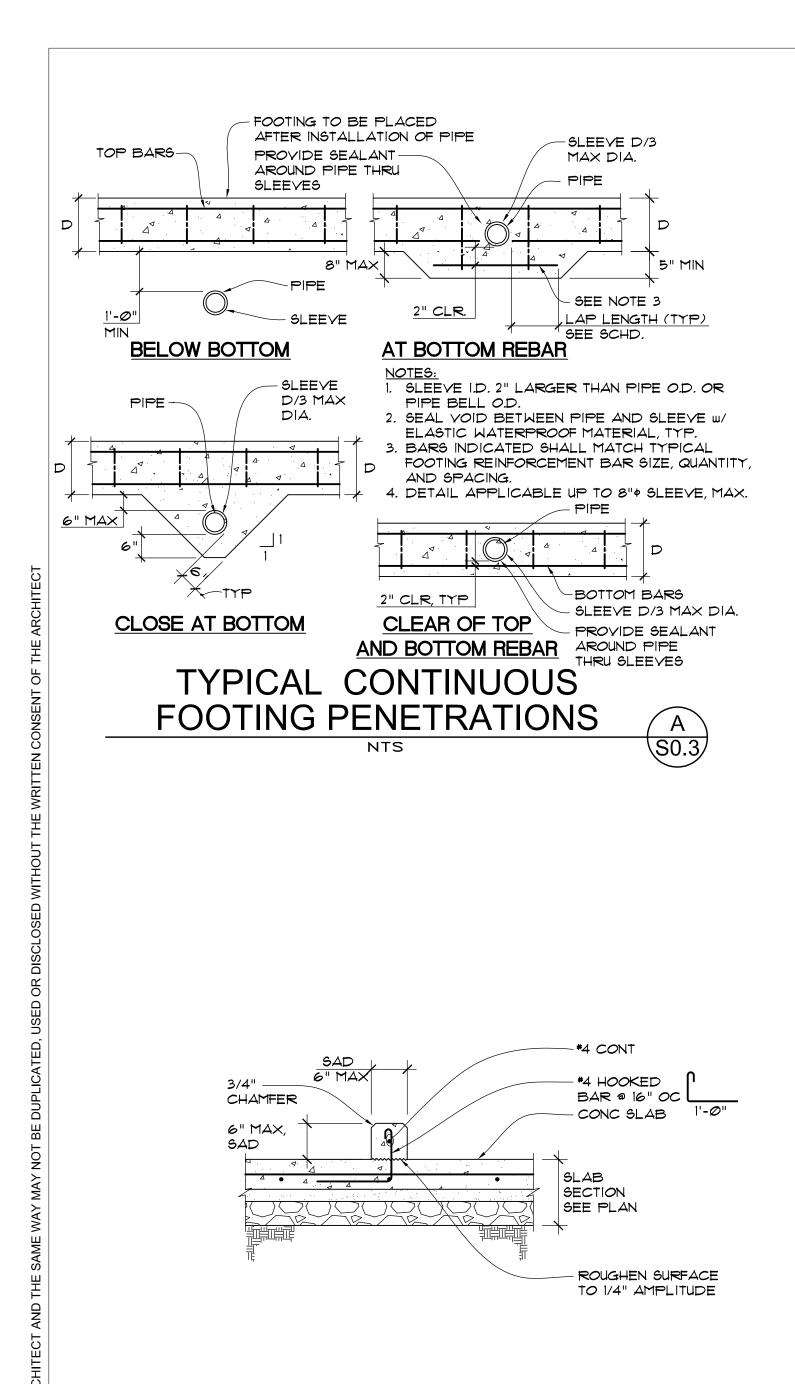
Los Altos - CA

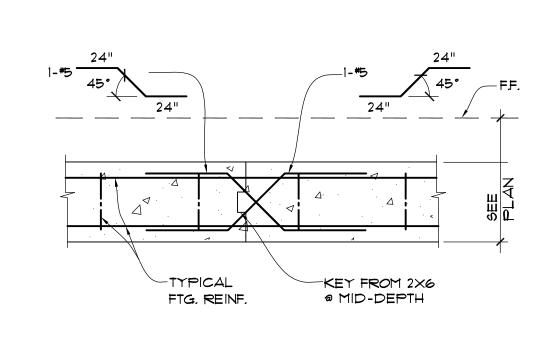
	Concept Review	
	Progress	09.13.2022
Sca	le	AS NOTED
Date	9	06.28.2022

General Notes

S0.2

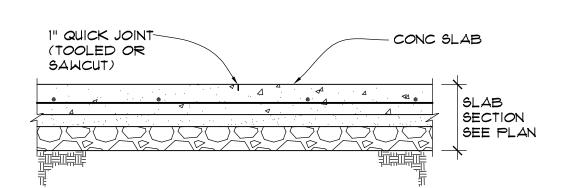
22062.0





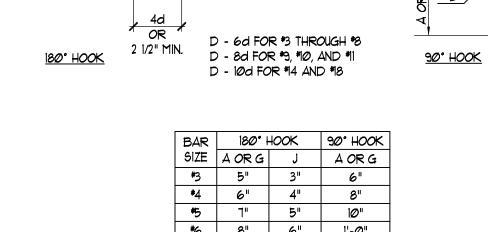
NOTE: #5 BARS SHALL BE SPACED @ 24" OC OR A MIN OF 2 @ EA FACE.





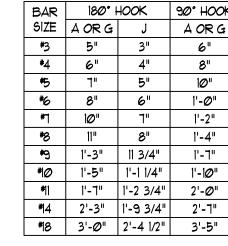
TYP CONTROL JOINT

3/4"=1'-0"



DETAILING DIMENSION

D (*)



DETAILING DIMENSION



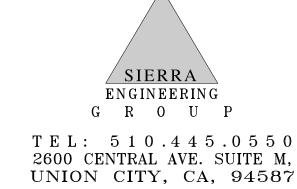


Mason

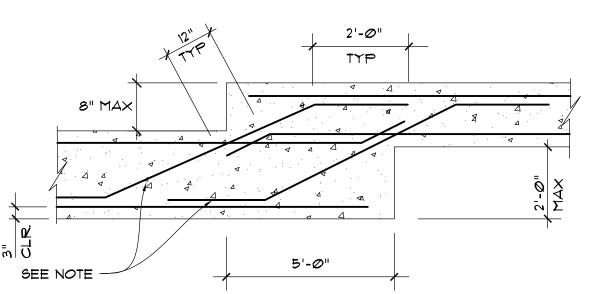
ARCHITECT:

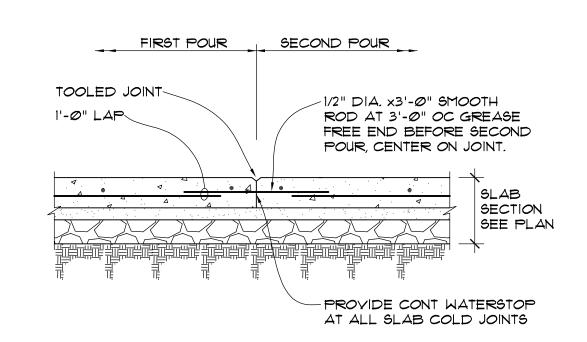
957 INDUSTRIAL ROAD STE C SAN CARLOS CA 94070 T 650.851.8810

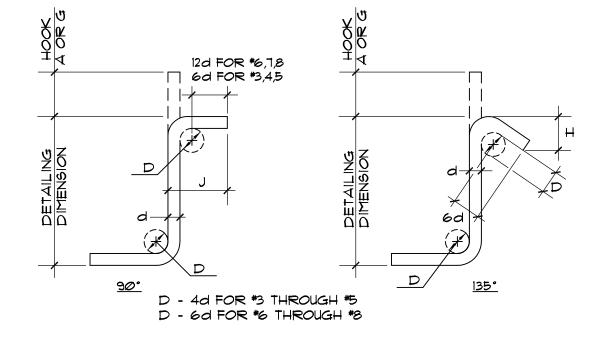
F 650.851.8832



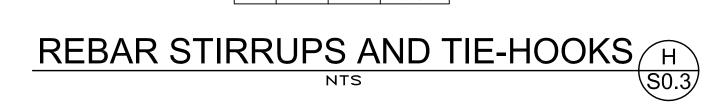
NOTE:
BARS INDICATED SHALL MATCH TYPICAL FOOTING REINFORCEMENT BAR SIZE, QUANTITY, AND SPACING.







BAR	135° +	100K	90° HOOK
SIZE	AORG	H	AORG
* 3	4"	2 1/2"	4"
*4	4 1/2"	3"	4 1/2"
*5	5 1/2"	3 3/4"	6"
*6	8"	4 1/2"	1'-Ø"
*1	3	5 1/4"	1'-2"
*8	10/2"	6"	1'-4"

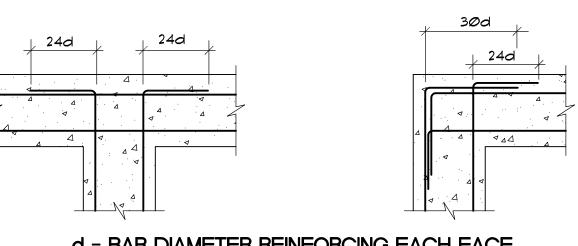


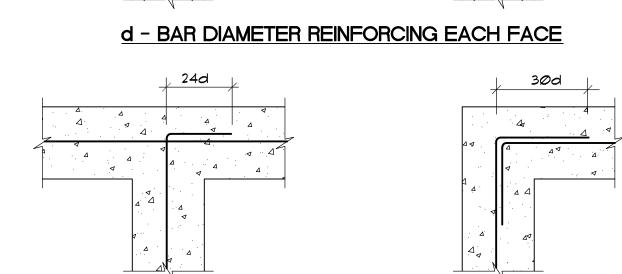
TYPICAL FOOTING STEP

A 4 A . A



— CONT FTG, MAT SLAB OR THICKENED PERIMETER





d - BAR DIAMETER REINFORCING IN CENTER

CONC. FTG. AND WALL INTERSECT. Concept Review 09.13.2022 AS NOTED 06.28.2022 22062.0

Narayanan

Residence

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Typical Details

S0.3

TYP SLAB DEPRESSION ()

TYP CONC CURB

TYPICAL PIPE AND TRENCH PARALLEL TO FOOTING

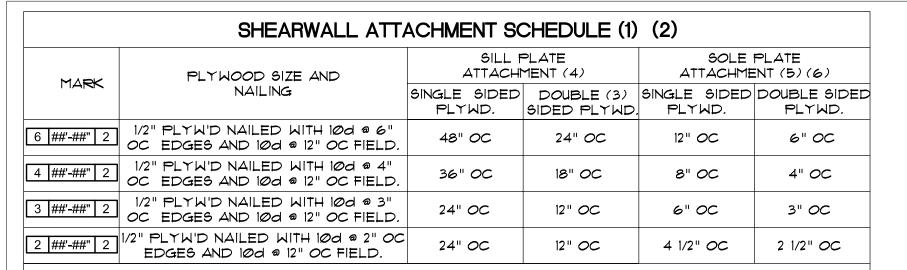
NO PIPES TO BE
PLACED BELOW THIS
LINE W/O PRIOR
WRITTEN APPROVAL.

COMPACTED — BACKFILL

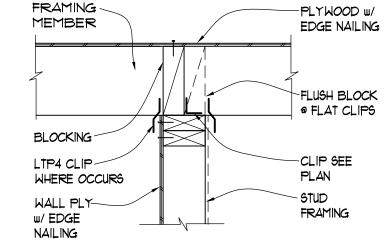
PIPE PARALLEL TO PERIMETER

 $\overline{2}$ MAX

TRENCH-



- (1) FRAMING AT ADJOINING PANEL EDGES SHALL BE 3 INCH NOMINAL OR WIDER AND NAILS SHALL BE STAGGERED WHERE NAILS ARE SPACED 3 INCHES ON CENTER.
- (2) FRAMING AT SILL PLATES & ADJOINING PANEL EDGES SHALL BE 3 INCHES NOMINAL OR WIDER AND NAILS SHALL BE STAGGERED.
- (3) WHERE PLYWOOD IS APPLIED ON BOTH FACES OF A WALL AND NAIL SPACING IS LESS THAN 6 INCHES ON CENTER ON EITHER SIDE, PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS OR FRAMING SHALL BE 3 INCHES NOMINAL OR THICKER AND NAILS ON EACH SIDE SHALL BE STAGGERED.
- (4) SILL BOLT SPACING IS BASED ON 5/8" DIAMETER x 7" CONC. EMB. GALV. ANCHOR BOLT, SEE SECTIONS, USE A 3x SILL PLATE \$ 3x3x0.229" MIN STL PLATE WASHERS AT ALL ANCHOR BOLTS. WHERE CONCRETE TOPPING IS GREATER OR EQUAL THAN 3", SIMPSON TITEN HD 5/8" 4x2 1/2" EMB MAY BE USED.
- (5) BETWEEN WOOD FLOORS USE 1/4" +x6" SIMPSON SDS.
- (6) AT ROOF USE 20d NAILS.
- (7) ##'-##" DENOTES LENGTH OF SHEAR WALL IN FEET.
- (8) ALL SILL PLATES @ SHEAR WALLS SHALL BE 3x
- (9) AT WALLS NOT DESIGNATED AS SHEAR WALLS USE 5/8" DIAMETER ANCHOR BOLT, AT 48" OC MAX SPACING, SEE SECTIONS.
- (10) IF 3x PLATE IS SPLICED BETWEEN BOUNDARY ELEMENTS LAG SCREWS SHALL BE INSTALLED, TYP UNO. (11) SHEATH EXTERIOR FACE OF ALL PERIMETER, PARAPET AND TOWER WALLS USING TYPE [6 | ##'-##" | 2 | SHEATHING TYP. U.N.O.
- THE POR INTERIOR & DISCONTINUOUS SHEARWALL SILL ATTACHMENT SCHED. @ 2ND FLOOR & ABOVE.

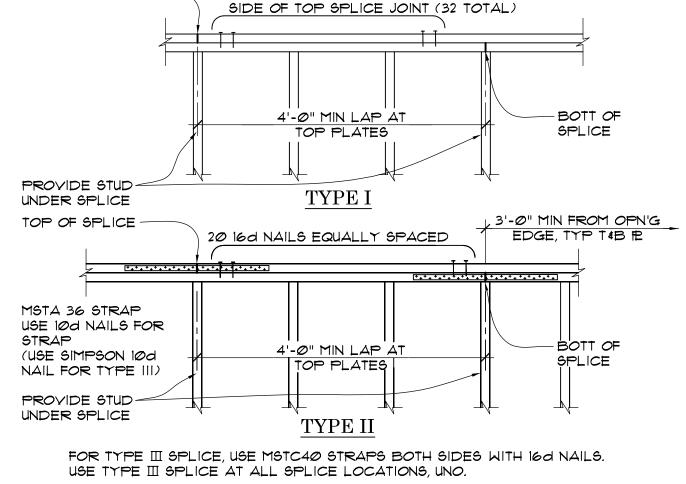


TYP. SECTION

- 40+	SPACING	\$
TYPE (1)	SINGLE SIDED PLY	DOUBLE SIDED PLY
A35/LTP4	16" OC	8" OC
A35/LTP4	8" OC	5" OC
A35/LTP4	8" OC	2 @ 8" OC (2)
A35/LTP4	6" OC	2 @ 6" OC (2)
	A35/LTP4 A35/LTP4 A35/LTP4	TYPE (I) SINGLE SIDED PLY A35/LTP4 I6" OC A35/LTP4 8" OC A35/LTP4 8" OC

1. CLIPS ARE BY SIMPSON STRONG TIE OR APPROVED EQUAL, TYP. U.N.O. 2. INSTALL LTP4 CLIPS AT BOTH SIDES OF WALL

PLATE ATTACHMENT SCHEDULE



(16) 16d NAILS EQUALLY SPACED EA

TYPE III (TYP UNO)

NO SPLICES AT OPENINGS, TYP

TOP OF SPLICE -

TOP PLATE SPLICES (D)

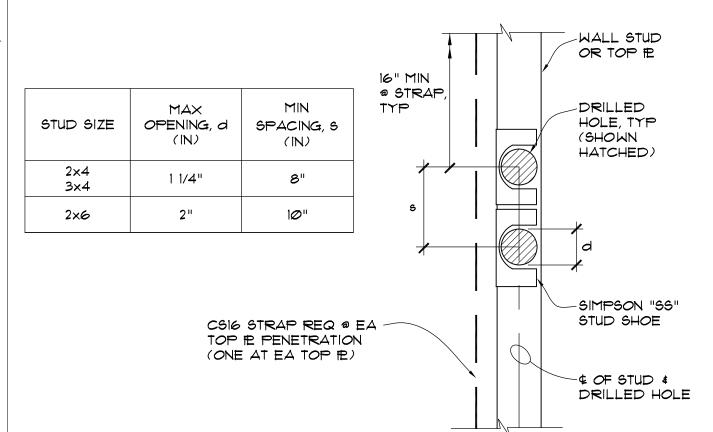


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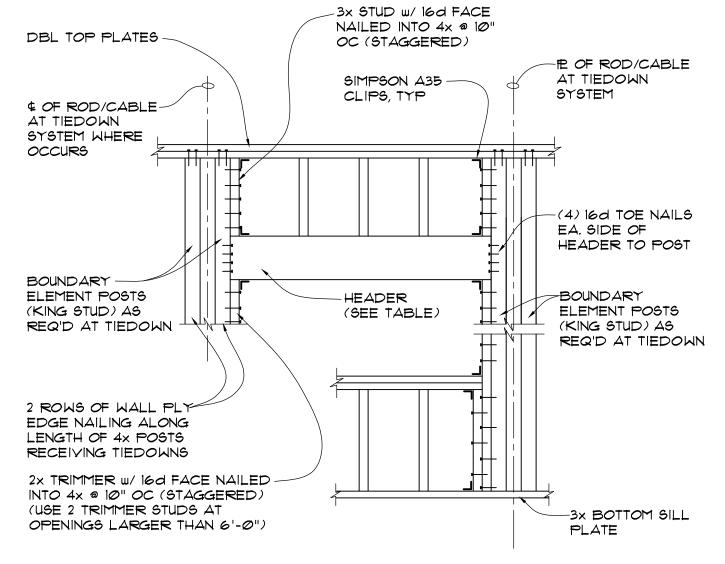
F 650 851 8832



SHEARWALL SCHEDULE







SILL ATTACHMENT SCHEDULE [10D]

AT ROOF

SINGLE SIDED PLY

12" OC

8" OC

6" OC

4 1/2" OC

SILL ATTACHMENT SCHEDULE B

N.T.S.

MARK

6 ##'-##" 2

4 ##'-##" 2

3 |##'-##" | 2

2 ##'-##" 2

BETWEEN WOOD FLOOR (1/4" \$ SIMPSON SDS)

(200 NAILS)

DOUBLE SIDED PLY

6" OC

4" OC

3" OC

2 1/2" OC

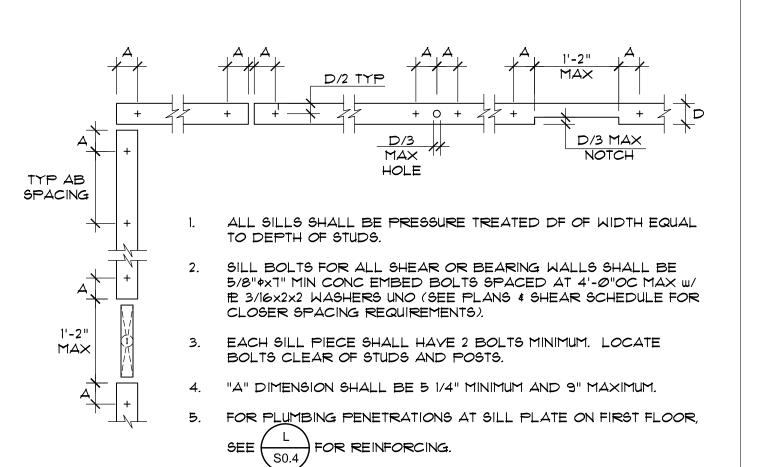
BOUNDARY ELEMENT POSTS (KING STUDS) FOR ANCHOR TIEDOWN SYSTEM SHALL BE AS INDICATED ON THE PLANS. WHERE TIEDOWN SYSTEM IS NOT SPECIFIED, USE THE FOLLOWING KING STUD SIZE PER FLOOR LEVEL

FLOOR LEVEL	WALL STUD SIZE	KING STUD SIZE	KING STUD SIZE AT TIEDOWN SYSTEM
IST FLR WALLS	2x6 @ 16" OC	4×6	SEE PLAN & SØ.4
2ND FLR WALLS	2x6 @ 16" OC	2×6	SEE PLAN & SØ.4
3RD FLR WALLS	2x6 @ 16" OC	2×6	SEE PLAN & SØ.4

ALL HEADERS SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON PLANS:

OPENING SIZE	HEADER SIZE (2x6 WALL)	HEADER SIZE (2x4 WALL)
4'-0" MAX	6×6	4×6
6'-0" MAX	6×8	4×8
8'-Ø" MAX	6x10	4×10
12'-Ø" MAX	6×12	4×12

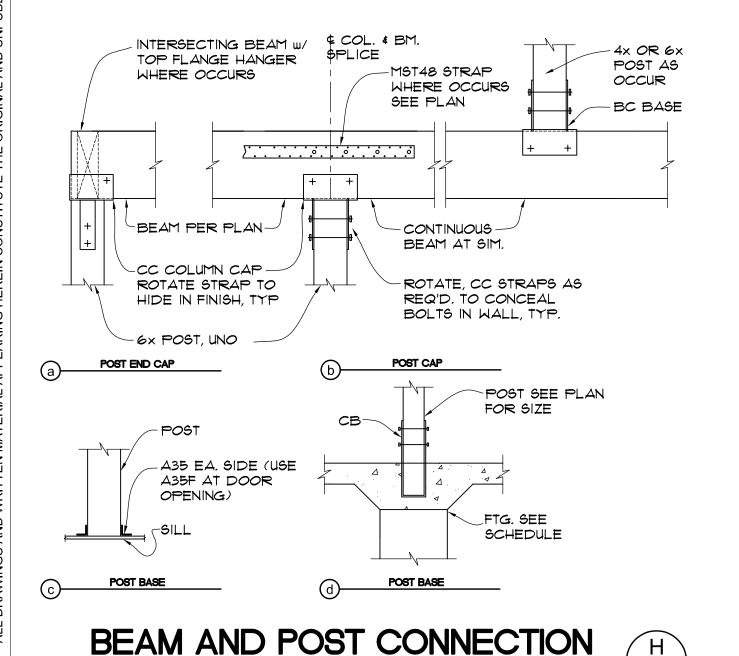


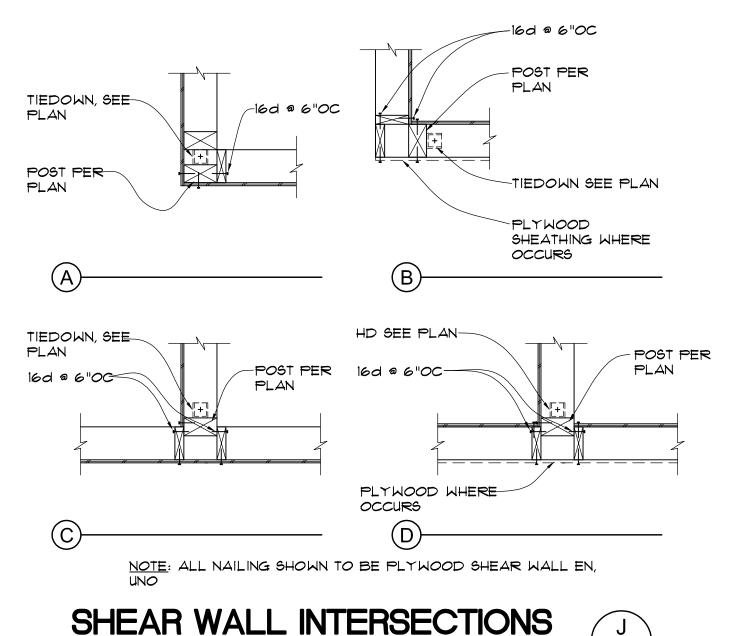


ANCHOR BOLT AND SILL PLATE



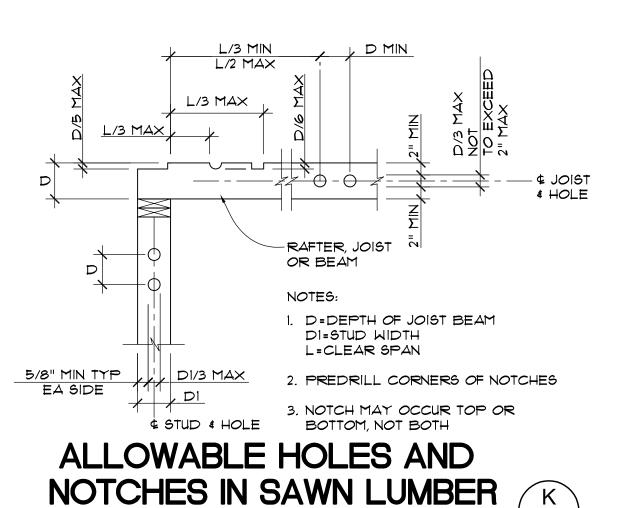
Los Altos - CA





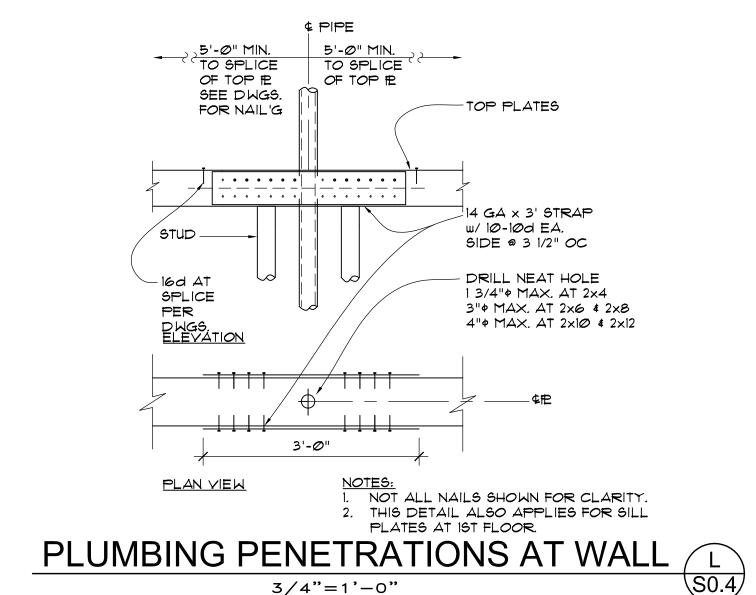
3/4"=1'-0'

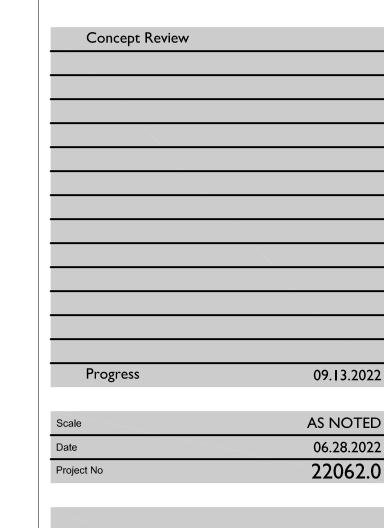
\$0.4



3/4"=1'-0"

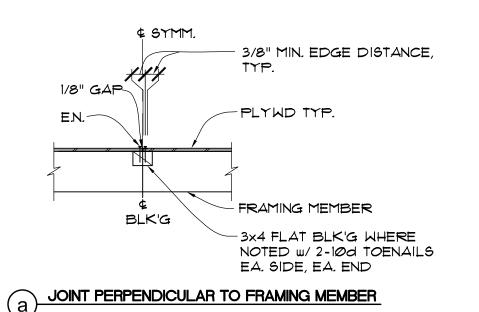
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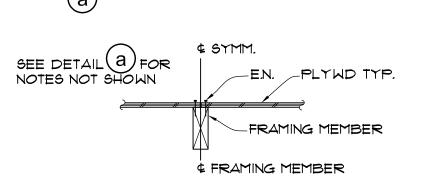


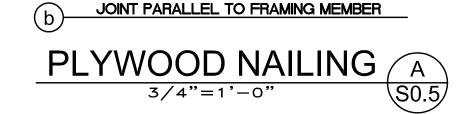


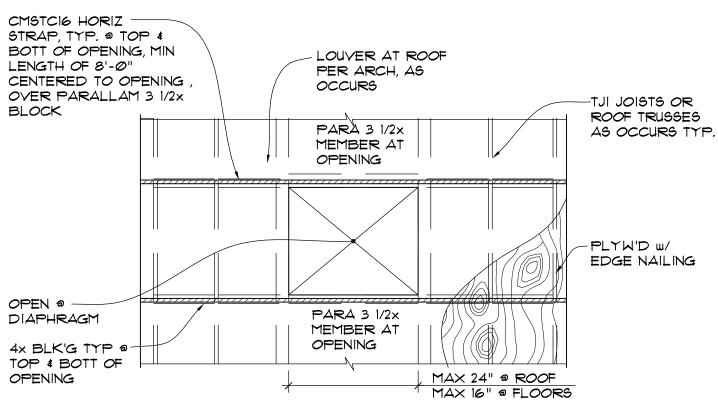
Typical Details

S0.4









OPN'G AT FLOOR/ROOF DIAPHRAGMS B

DEPTH

CMSTCI6 HORIZ — STRAP, TYP. @ TO BOTT OF OPENING ENGTH OF 8'-Ø" CENTERED TO OF OVER PARALLAM	ENING,	F	OUVER AT RO PER ARCH, AS OCCURS			
BLOCK) 1/2A		,			JOISTS OR
		\	PARA 3 1/2x IEMBER AT PENING			OF TRUSSES OCCURS TYP.
						YW'D w/ GE NAILING
OPEN @ Diaphragm		P	ARA 3 1/2×			
ix BLK'G TYP @- OP & BOTT OF		M	EMBER AT PENING			
PENING		<u> </u>		MAX 24" @ ROOF		
		1	1	$M \wedge \vee \wedge \wedge = A = 0 \wedge \wedge = 0$	<u>م</u>	

		1	HD3	MSTC4Ø	PAB5	4x6 /1	10"
		2	HD5	МЅТСБ2	PAB5	4×6	10"
		3	HOT	метств	PABT	4×6	10"
		4	HD9B	-	PABT	4×6	10"
DOF		5	HD12	-	PAB9	4×6	9 1/2"
1	- 11 1 - 10 - 0 - 0 - 0	6	HDI9	-	1 1/8"	4×6	SAI-9-24 KT SEE NOTE (4) & DETAIL 2/SØ.5
	— TJI JOISTS OR ROOF TRUSSES AS OCCURS TYP.	7	(2) HD12	-	1"	4×6	9A1-8-24 KT SEE NOTE (4) & DETAIL 6/90.5
MAX 24" @ ROOF MAX 16" @ FLOORS	PLYW'D w/ EDGE NAILING	2. INSTA SPEC 3. FOR 4. ADD WHEN 5. MIN E SAI-	ALL HOLDOWN CIFICATIONS ANI HOLDOWN ® CO	/ STRAP PE D RECOMME ONC SLAB, S DRCEMENT S CHEDULE, ON 6× BOLT WING DETAIL	R MANUFACT ENDATIONS. SEE S2.0 SHALL BE PRODUCTION OF THE PRODUCTI	TURERS INS	OLLOWING SHEET SØ6
)						

HOLDOWN / STRAP SCHEDULE

ROD (3)

(2)

HOLDOWN SCHEDULE C

SQUARE OR RECTANGULAR HOLE SIZE

2" | 3" | 4" | 5" | 6 1/2" | 7" | 8 7/8" | 11" | 13"

1'-@" 1'-@" 1'-@" 2'-6" 5'-@" 6'-@" 3'-@" 12'-@"

1'-@" 1'-@" 2'-@" 3'-6"6'-@" 7'-@"@'-@"13'-@"

1'-0" | 1'-0" | 2'-6" | 4'-0" | 6'-6" | 7'-6" | 11'-0" | 3'-6"

1'-@" 2'-@" 4'-@" 5'-6" 9'-@"@'-@"12'-@"14'-@"

1'-@" 3'-@"5'-@" 7'-@"@'-@"11'-@" |3'-6"5'-@"

| 1'-0"| 1'-0"| 1'-0"| 1'-6"|4'-6"|5'-6"|0'-0"|12'-6"|6'-0"|

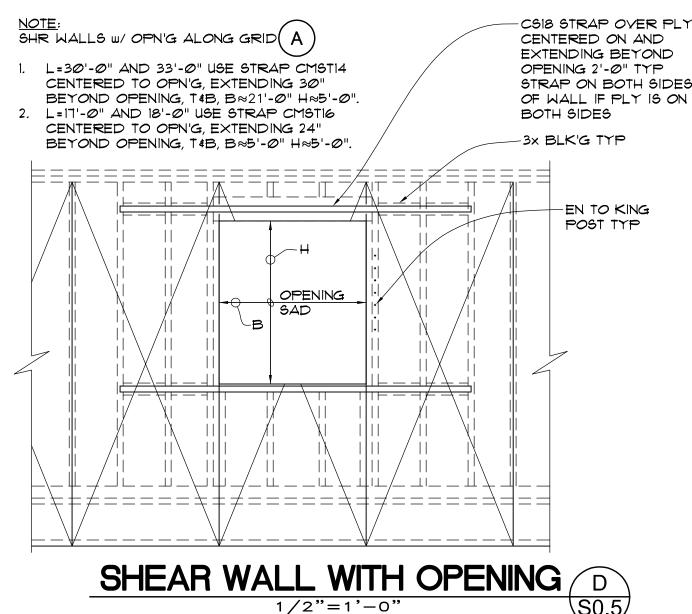
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| 1'-@"| 1'-@"|2'-@"|4'-@"|7'-6"|8'-6"|13'-@"|4'-6"|17'-@"|

| 1'-6"| 1'-0"|3'-6"|5'-6"|9'-0"|0'-0"|4'-6"|6'-0"|18'-0"|

MIN POST ANCHOR EMBEDMENT

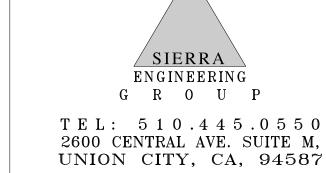
SEE NOTE 5

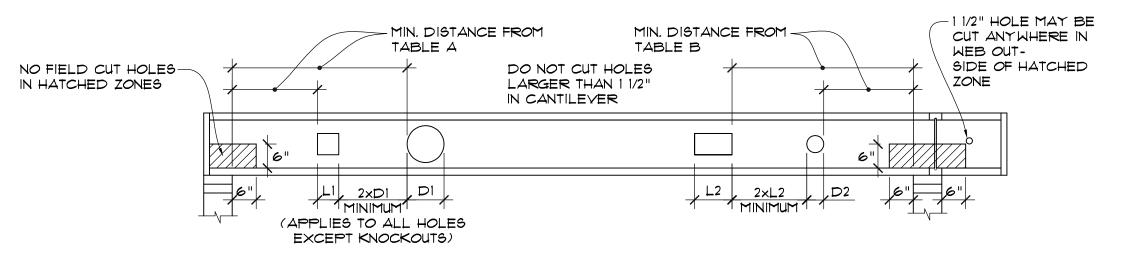






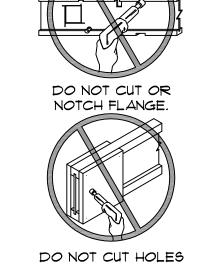
F 650.851.8832







DEPTH	BCI			RC	DUNE) HC	LE :	SIZE			SQL	JARE	OR	REC	AAT	IGUL	AR H	HOLE	E SIZI	Ε
	D O1	2"	3"	4"	5"	6 1/2"	7"	B 7/8'	11"	13"	2"	3"	4"	5"	6 1/2"	ייד	B 7/8'	11"	13"	
	ANY	1'-Ø"	1'-Ø"	1'-Ø"	1'-Ø"	2'-6"	2'-6"	5'-0"			1'-Ø"	1'-Ø"	1'-6"	2'-6"	4'-6"	4'-6"	6'-0"			
	ANY	1'-0"	i-0 	1'-Ø"	1'-6"	2'-6"	3'-Ø"	5'-6"			1'-Ø"	1'-Ø"	2'-Ø"	3'-Ø"	5'-Ø"	5'-6"	6'-6"			
11 7/8"	ANY	1'-Ø"	1'-0"	1'-Ø"	2'-Ø"	ფ- ფ-	3'-6"	6'-0"			1'-Ø"	1'-Ø"	2'-Ø"	3'-Ø"	5'-6"	5'-6"	"ש-'ד			
	ANY	1'-Ø"	1'-0"	1'-6"	2'-6"	4'-6"	5'-Ø"	"ש-'ד			1'-Ø"	1'-Ø"	2'-6"	4'-Ø"	6'-6"	6'-6"	7'-6"			
	ANY	1'-Ø"	1'-Ø"	1'-6"	3'-Ø"	Б	5'-6"	8'-0"			1'-Ø"	2'-Ø"	3'-6"	5'-Ø"	"@-'ד	7'-6"	8'-Ø"			
	ANY	1'-Ø"	1'-0"	1'-Ø"	1'-Ø"	1-6"	2'-Ø"	3'-Ø"	5'-6"		1'-Ø"	1'-Ø"	1'-6"	2'-Ø"	3'-6"	4'-Ø"	6'-0"	8'-Ø"		
	ANY	1'-Ø"	1'-Ø"	1'-Ø"	1'-6"	2'-Ø"	2'-6"	3'-6"	6'-0"		1'-Ø"	1'-Ø"	2'-Ø"	2'-6"	4'-Ø"	4'-6"	6'-6"	8'-6"		
14"	ANY	1'-Ø"	1'-0"	1'-Ø"	1'-6"	2'-6"	2'-6"	4'-0"	"ש-'ד		1'-Ø"	1'-Ø"	2'-Ø"	3'-Ø"	4'-Ø"	5'-0"	"ש-'ד	9'-0"		
	ANY	1'-Ø"	1'-Ø"	1'-6"	2'-6"	3'-6"	4'-Ø"	5'-6"	ප'-Ø"		1'-Ø"	1'-6"	2'-6"	4'-0"	6'-0"	6'-6"	8'-0"	9'-6"		
	ANY	1'-Ø"	1'-Ø"	2'-Ø"	3'-Ø"	4'-6"	5'-0"	6'-6"	9'-0"		1'-6"	3'-Ø"	4'-Ø"	5'-Ø"	ד'-0"	7'-6"	9'-0"	10'-0"		
	ANY	1'-Ø"	1'-Ø"	1'-Ø"	1'-Ø"	1'-0"	1'-6"	2'-6"	3'-6"	6'-0"	1'-Ø"	1'-0"	1'-Ø"	2'-Ø"	3'-Ø"	3'-6"	6'-6"	8'-Ø"	11'-Ø"	
16"	ANY	1'-Ø"	1'-Ø"	1'-Ø"	1'-Ø"	1'-6"	1'-6"	3'-0"	4'-Ø"	וי@-'ד	1'-Ø"	1'-Ø"	1'-0"	2'-Ø"	3'-6"	4'-Ø"	ד'-0"	9'-0"	11'-Ø"	
.~	ANY	1'-Ø"	1'-Ø"							9'-0"	1'-Ø"								11'-6"	
	ANY	1'-Ø"	1'-Ø"	1'-Ø"	1'-Ø"	2'-6"	3'-Ø"	5'-Ø"	"ש-'ד	0'-0"	1'-Ø"	2'-Ø"	3'-Ø"	4'-6"	6'-6"	"@-'ד	0'-0'	11'-Ø"	12'-Ø"	



IN CANTILEVER

REINFORCEMENT.

ROUND HOLE SIZE

2" | 3" | 4" | 5" |6 1/2" | 7" |8 7/8" | 11" | 13"

|1'-@"|1'-@"|1'-@"|2'-@"|3'-6"|4'-@"|6'-@"|@'-6"

1'-0" | 1'-0" | 2'-0" | 3'-6" | 5'-6" | 6'-0" | 8'-6" | 12'-6'

ANY | 1'-0" | 1<u>'</u>-0" | 1'-0" | 1'-0" | 1'-6" | 2'-0" | 4'-0" | 6'-6" | 11'-0"

ANY | 1'-0" | 1'-0" | 1'-0" | 3'-0" | 4'-0" | 6'-6" | 0'-0" | 13'-6"

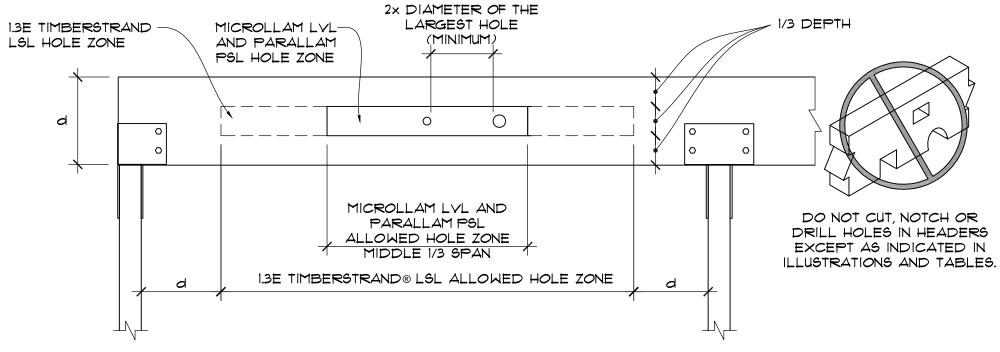
ANY | 1'-0"| 1'-0"| 1'-0"| 1'-0"| 2'-6"|3'-6"|7'-0"| 11'-0"|15'-0"|

MINIMUM DISTANCE FROM EDGE OF HOLE TO INSIDE FACE OF NEAREST INTERMEDIATE OR CANTILEVER SUPPORT

TABLE B - INTERMEDIATE OR CANTILEVER SUPPORT



- HOLES MAY BE LOCATED VERTICALLY ANYWHERE WITHIN THE WEB. LEAVE 1/8" OF WEB (MINIMUM) AT TOP AND BOTTOM OF HOLE. KNOCKOUTS ARE LOCATED IN WEB AT
- APPROXIMATELY 12" ON-CENTER: THEY DO NOT AFFECT HOLE PLACEMENT. FOR SIMPLE SPAN (5' MINIMUM) UNIFORMLY LOADED
- JOISTS MEETING THE REQUIREMENTS OF THIS GUIDE, ONE MAXIMUM SIZE ROUND HOLE MAY BE LOCATED AT THE CENTER OF THE JOIST SPAN PROVIDED NO OTHER HOLES OCCUR IN THE JOIST. DISTANCES ARE BASED ON THE MAXIMUM UNIFORM
- LOADS SHOWN IN CURRENT ILEVEL SPECIFIER'S GUIDE. FOR OTHER LOAD CONDITIONS OR HOLE CONFIGURATIONS CONTACT YOUR ILEVEL REPRESENTATIVE.



BEAM OR HEADER DEPTH	MAXIMUM ROUND HOLE SIZE					
4 3/8"	1"					
5 1/2"	1 3/4"					
7 1/4" TO 20"	2"					
SEE ILLUSTRATION FOR						

ALLOWED HOLE ZONE

GENERAL NOTES

- ALLOWED HOLE ZONE SUITABLE FOR UNIFORMLY LOADED HEADERS AND BEAMS
- ROUND HOLES ONLY NO HOLES IN CANTILEVERS.
- NO HOLES IN HEADERS OR BEAMS IN PLANK ORIENTATION.

ALLOWABLE HOLES IN LVL OR PSL F



Narayanan Residence 1556 Plateau Ave

Los Altos - CA

Concept Review	
Progress	09.13.2022
Scale	AS NOTED
Date	06.28.2022
Project No	22062.0

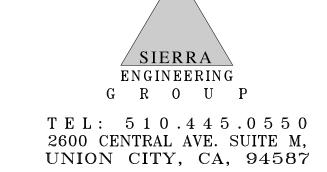
Typical Details

S0.5

ALLOWABLE HOLES IN BCI	E
NTS	S0.5/







Narayanan

Residence

1556 Plateau Ave

Los Altos - CA

Concept Review



- VERIFY ALL DIMENSIONS WITH ARCH DRAWINGS. FOR DIMENSIONS NOT SHOWN REFER TO ARCH DRAWINGS.
- SEE SHEET SØ.Ø TO SØ.4 FOR SPECIFICATION, GENERAL NOTES AND TYPICAL DETAILS.
- 3. WALLS SHOWN ARE WALLS BELOW THIS LEVEL UNO.
- 4. ALL VERSALAM BEAMS DENOTED TO ALIGN WITH WALLS OR OTHER VERSALAM BEAM SHALL RECIEVE ROOF PLYWD EDGE NAILING ALONG ITS ENTIRE LENGTH.
- 5. ALL INTERIOR WOOD BEARING WALLS SHALL BE 2x6 @ 16" OC TYP UNO. ALL EXTERIOR WOOD WALLS SHALL BE 2x6 @ 16" OC.
- 6. DO NOT SCALE DRAWINGS, SCALE FOR REFERENCE ONLY.
- 1. VERIFY ALL PENETRATION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS PRIOR TO BEGIN CONSTRUCTION.
- 8. CONCRETE FOUNDATION SHALL BE MONOLITHICALLY POURED.
- INSTALLATION OF BCI JOISTS SHALL COMPLY WITH BOISE CASCADE INSTALLATION GUIDE REQUIREMENTS.
- 10. SIMPSON HU HANGERS ARE REQUIRED AT JOIST HANGING CONDITIONS.

LEGEND:

- DENOTES WOOD POST. ALL POSTS SHALL BE 4x4 FOR 2x4 WALL OR 6x6 FOR 2x6 WALL, MIN. TYP UNO.
- DENOTES HSS STL COLUMN.

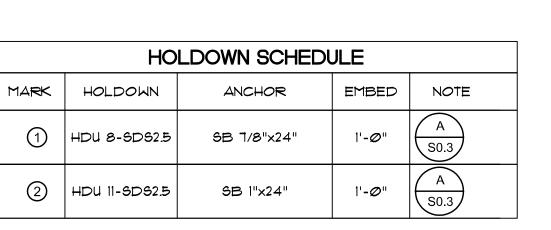
∖so.3 /

DENOTES WOOD SHEARWALL, SEE SHEARWALL # ##'-##"

 DENOTES SIMPSON HOLDOWN, SEE HOLDOWN SCHEDULE. DENOTES WALL BELOW.

DENOTES HEADER FOR HEADER SCHEDULE, SEE D, TYP UNO.

DENOTES STRAP TIE.



NOTES:

S5.0

1'-0" GRADE

BEAM, TYP, UNO

- EMBED SHALL BE MEASURED FROM TOP SURFACE OF GRADE BEAM FOUNDATION, TYP.
- 2. ANCHORS SHALL BE CAST IN PLACE.

FOUNDATION PLAN

3/16"=1'-0"

DENOTES 18" — DRILLED PIER

(6)

S5.0

2 21'-11" 2 SWWsW24 SWWsW24



FOUNDATION PLAN

\$1.0

09.13.2022

AS NOTED

06.28.2022

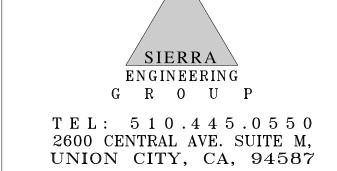
22062.0

DENOTES 5" CONCRETE SLAB — ON GRADE w/ *4 @ 18" OC EA WAY AT MID DEPTH

DENOTES 24" DRLL PIER-







Narayanan

Residence

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FRAMING NOTES:

- VERIFY ALL DIMENSIONS WITH ARCH DRAWINGS. FOR DIMENSIONS NOT SHOWN REFER TO ARCH DRAWINGS.
- 2. SEE SHEET SOLO TO SOLA FOR SPECIFICATION, GENERAL NOTES AND TYPICAL DETAILS.
- 3. WALLS SHOWN ARE WALLS BELOW THIS LEVEL UNO.
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LEGEND:

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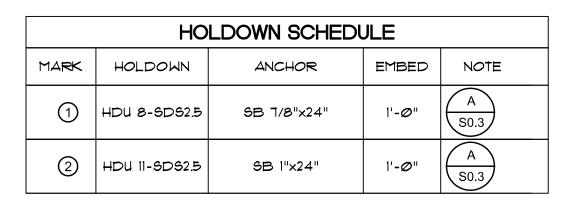
DENOTES HSS STL COLUMN.

DENOTES WOOD SHEARWALL, SEE SHEARWALL

 DENOTES SIMPSON HOLDOWN, SEE HOLDOWN SCHEDULE. DENOTES WALL BELOW.

DENOTES HEADER FOR HEADER SCHEDULE, SEE D, TYP UNO. ∖so.3 /

DENOTES STRAP TIE.



- 1. EMBED SHALL BE MEASURED FROM TOP SURFACE OF GRADE BEAM FOUNDATION, TYP.
- 2. ANCHORS SHALL BE CAST IN PLACE.

MID LEVEL FRAMING PLAN

3/16"=1'-0"

/PSL 5 1/4x11 1/4

HSS 4×4×1×4

HSS 4×4×1/4

S6.0

PSL 3 1/2×11 7/8, TYP, UNO

DENOTES

PSL 5 1/-....
@ 12" OC

DENOTES 2×12 @ 12" OC

+ OPEN AT STAIRS

DENOTES 2x12 @
12" OC AT INTERIOR
FLOOR AREA, TYP

PSL 5 1/4×18



Progress

Concept Review

MID LEVEL FRAMING PLAN

S2.0

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AS NOTED

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22062.0

DENOTES 5" CONCRETE SLAB — ON GRADE w/ *4 @ 18" OC EA WAY AT MID DEPTH

DENOTES 24" DRLL-

S5.0

PIER, SEE H

1 2 6'-4" 1 1

LVL 1 3/4x11 1/4 @ 12" OC-

2 15'-6" 1

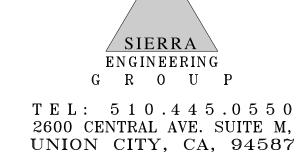
S5.0

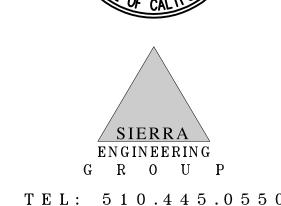
\$6.0

DENOTES 2x8 @ — 12" OC AT ROOF OVERHANG, TYP









FRAMING NOTES:

- HSS 10×3×3/8

S7.0

2x10 0 12" OC TYP

AT ALL EXT DECK, TYP

- VERIFY ALL DIMENSIONS WITH ARCH DRAWINGS. FOR DIMENSIONS NOT SHOWN REFER TO ARCH DRAWINGS.
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LEGEND:

- 2×10 @16" OC

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DENOTES HSS STL COLUMN.

DENOTES WOOD SHEARWALL, SEE SHEARWALL

 DENOTES SIMPSON HOLDOWN, SEE HOLDOWN SCHEDULE. DENOTES WALL BELOW.

DENOTES HEADER FOR HEADER SCHEDULE, SEE D, TYP UNO. ∖so.3 /

DENOTES STRAP TIE.

HOLDOWN SCHEDULE MARK HOLDOWN ANCHOR EMBED NOTE HDU 8-5D52.5 SB 7/8"x24" 1'-Ø" S0.3 1'-Ø" HDU 11-SDS2.5 SB 1"x24" S0.3

\$6.0

PSL 3 1/2×11 7/8,— TYP, UNO

2x10 a 16" OC -

M \$6.0

-2x8 @ 16" OC AT ROOF

- HSS 10x3x3/8 @ 5'-0" OC

HSS 10x6x5/8

F \$7.0

S6.0

- 1. EMBED SHALL BE MEASURED FROM TOP SURFACE OF GRADE BEAM FOUNDATION, TYP.
- 2. ANCHORS SHALL BE CAST IN PLACE.

UPPER LEVEL FRAMING PLAN

3/16"=1'-0"



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UPPER LEVEL FRAMING PLAN

S3.0

NOTE: ALL INTERIOR FLOORS TO BE SHEATHED WITH 3/4" T&G PLYWD

NAILED WITH 100 0 6 INCHES ON CENTER EDGE AND 10" ON FIELD

1 2×12 @ 16" OC TYP-AT INTERIOR FLOORS, TYP

2 6'-4" 1

2 21'-11" 1

B \$7.0

HSS 10x6x5/8

W10x60

PSL 3 1/2×11 7/8

C S6.0

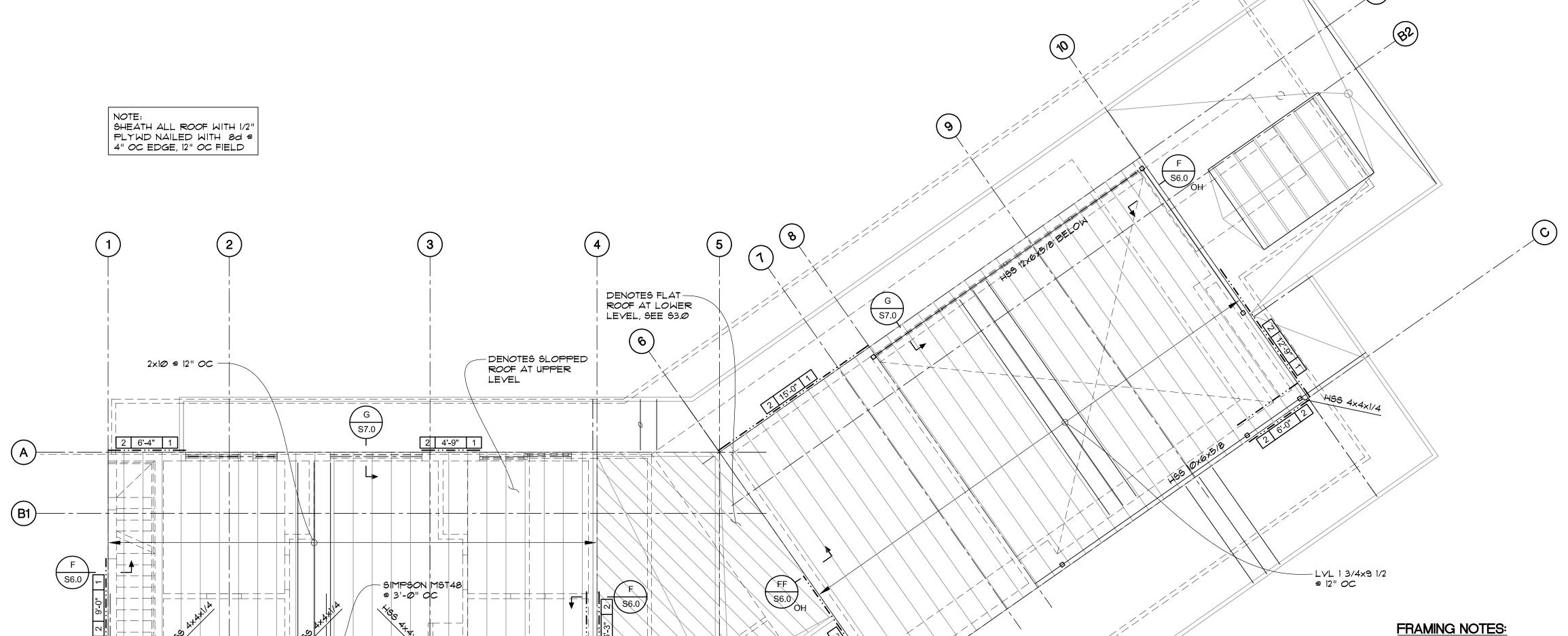
S6.0

LVL 1 3/4x9 1/2

S6.0

HSS 10×6×5/8





- DENOTES FLAT ROOF AT LOWER

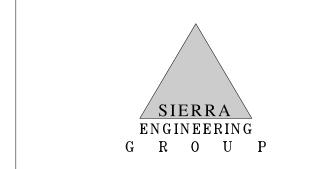
LEVEL

	HOLDOWN SCHEDULE					
MARK	HOLDOWN	ANCHOR	EMBED	NOTE		
1	HDU 8-9D92.5	6B 7/8"x24"	1'-Ø"	A S0.3		
2	HDU 11-6D62.5	9B 1"x24"	1'-Ø"	A S0.3		

NOTES:

- 1. EMBED SHALL BE MEASURED FROM TOP SURFACE OF GRADE BEAM FOUNDATION TYP
- GRADE BEAM FOUNDATION, TYP.

 2. ANCHORS SHALL BE CAST IN PLACE.



G R 0 U P
TEL: 510.445.0550
2600 CENTRAL AVE. SUITE M,
UNION CITY, CA, 94587

2. SEE SHEET SO.O TO SO.4 FOR SPECIFICATION, GENERAL NOTES AND TYPICAL DETAILS.

VERIFY ALL DIMENSIONS WITH ARCH DRAWINGS. FOR DIMENSIONS

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LEGEND:

CONDITIONS.

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DENOTES HSS STL COLUMN.

##'-##" DENOTES WOOD SHEARWALL, SEE SHEARWALL SCHEDULE.

DENOTES SIMPSON HOLDOWN, SEE HOLDOWN SCHEDULE.

DENOTES WALL BELOW.

DENOTES HEADER FOR HEADER SCHEDULE, SEE D, TYP UNO.

DENOTES STRAP TIE.

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Concept Review

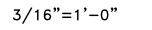
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UPPER ROOF FRAMING PLAN

UPPER ROOF FRAMING PLAN





HSS 10×3×3/8 -

2×10 0 12" OC-

H\$S 10x6x3/8

HSS 10×3×3/8 +

LEVEL

DENOTES FLAT -

ROOF AT UPPER

2 74 3 7

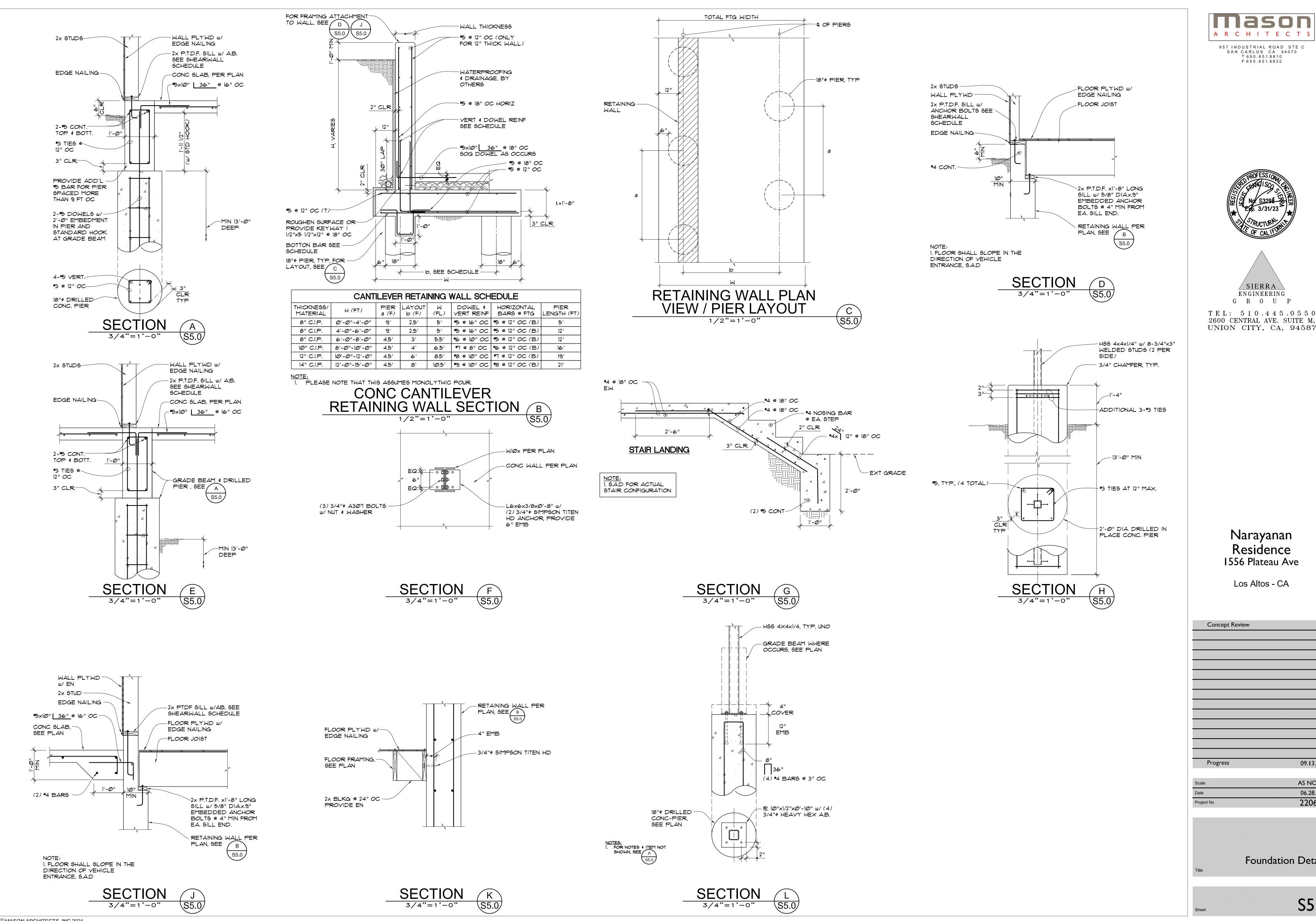
PSL 3 1/2×9 1/2

S7.0

HSS 10×6×3/8

\$7.0

2 13-3" 1



Mason ARCHITECT: 957 INDUSTRIAL ROAD STE C SAN CARLOS CA 94070 T 650.851.8810 F 650.851.8832





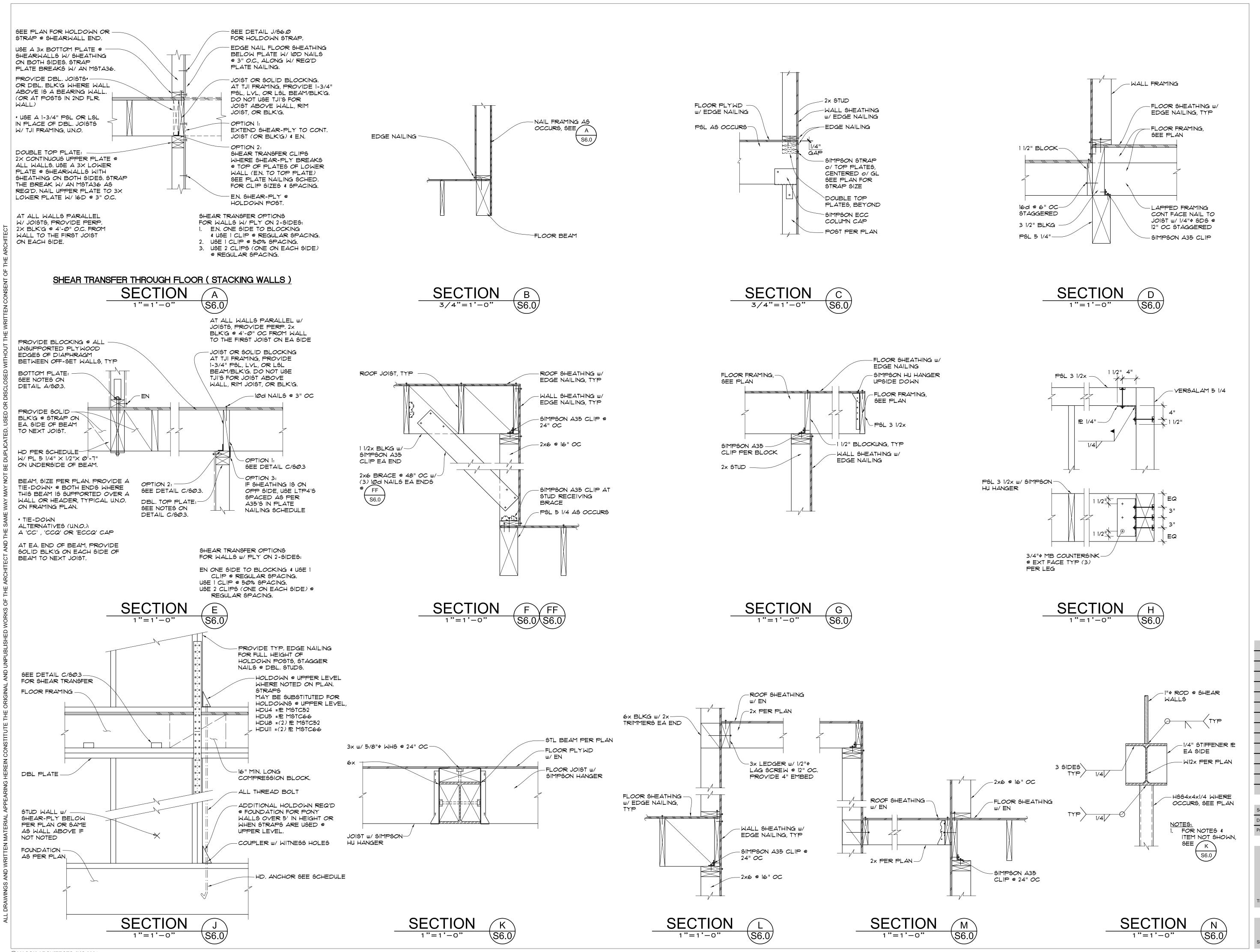
Narayanan Residence 1556 Plateau Ave

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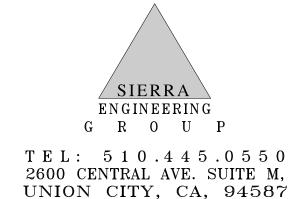
Foundation Details

S5.0



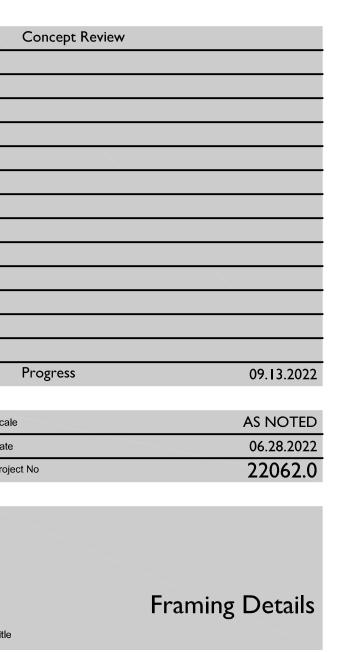


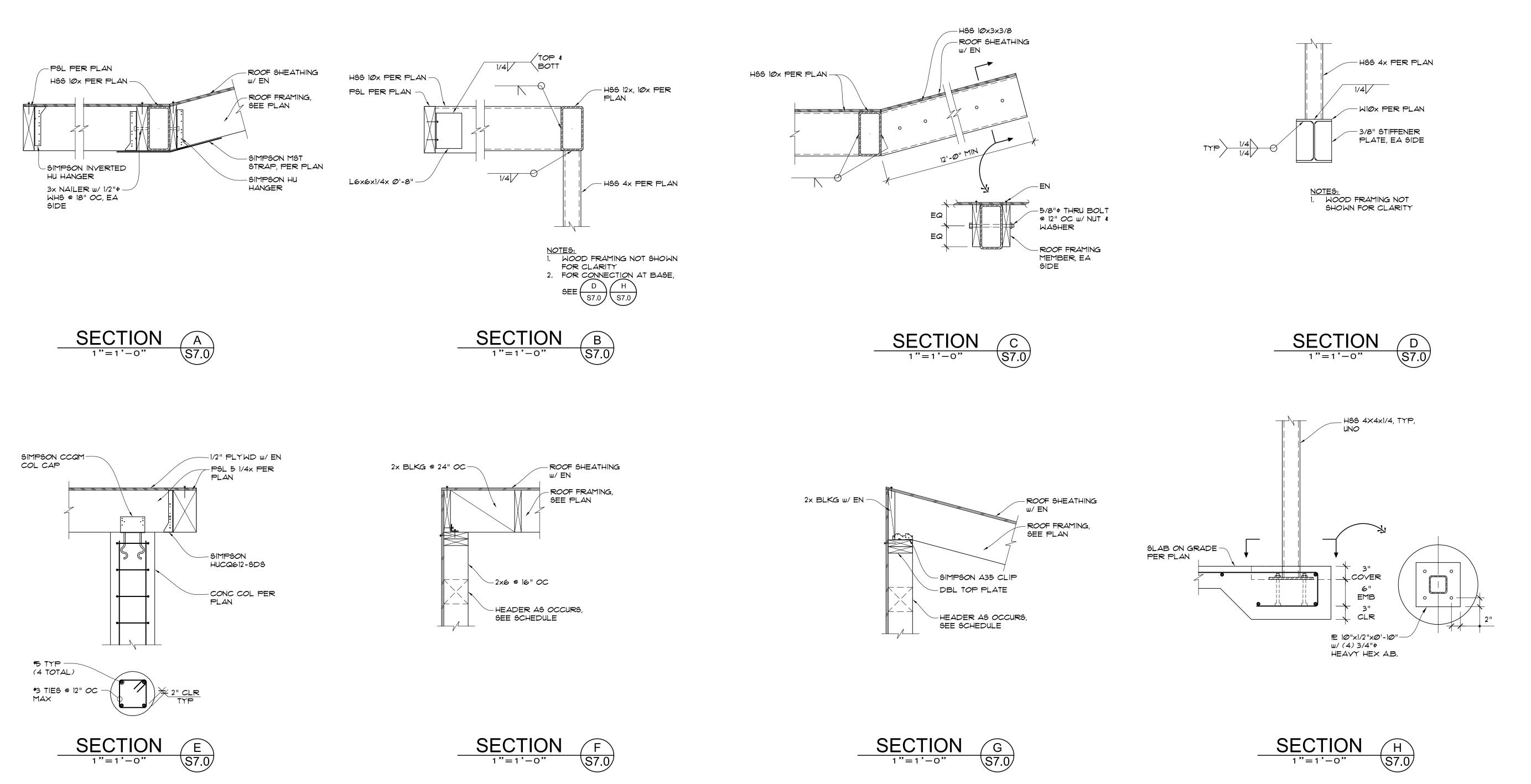




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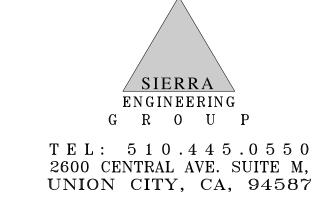
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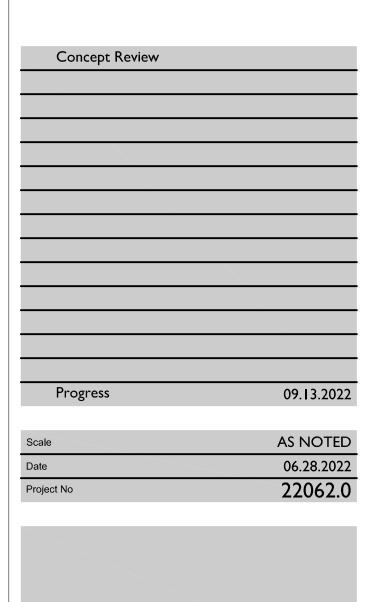






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Details

S7.0

FLOR PLYWD w/ EN -

8"x9 1/2"x1/2" THK KNIFE — PLATE w/ (3) 1/2"¢ THRU BOLTS w/ NUT & WASHER

SECTION
1"=1'-0"

5 1/4x PER PLAN-

- 3x w/ 5/8" WHS @ 24" OC

- HSS 12x, PER PLAN

- HSS 12x, PER PLAN

- HSS 4x PER PLAN

<u>County of Santa Clara</u>

General Construction Specifications

GENERAL CONDITIONS

- ALL CONSTRUCTION WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SOILS AND/OR GEOTECHNICAL REPORT PREPARED BY AMERICAN SOIL TESTING, INC AND DATED JUNE 1ST, 2015. THIS REPORT IS SUPPLEMENTED BY: 1) THESE PLANS AND SPECIFICATIONS, 2) THE COUNTY OF SANTA CLARA STANDARD DETAILS. 3) THE COUNTY OF SANTA CLARA STANDARD SPECS, 4) STATE OF CALIFORNIA STANDARD DETAILS, 5) STATE OF CALIFORNIA STANDARD SPECIFICATIONS. IN THE EVENT OF CONFLICT THE FORMER SHALL TAKE PRECEDENCE OVER THE LATTER. THE PERFORMANCE AND COMPLETION OF ALL WORK MUST BE TO THE SATISFACTION OF THE COUNTY.
- DEVELOPER IS RESPONSIBLE FOR INSTALLATION OF THE IMPROVEMENTS SHOWN ON THESE PLANS AND HE OR HIS SUCCESSOR PROPERTY OWNERS ARE RESPONSIBLE FOR THEIR CONTINUED MAINTENANCE. DEVELOPER SHALL BE RESPONSIBLE FOR CORRECTION OF ANY ERRORS OR OMISSIONS IN THESE PLANS. THE COUNTY SHALL BE AUTHORIZED TO REQUIRE DISCONTINUANCE OF ANY WORK AND SUCH CORRECTION AND MODIFICATION OF
- PLANS AS MAY BE NECESSARY TO COMPLY WITH COUNTY STANDARDS OR CONDITIONS OF DEVELOPMENT APPROVAL DEVELOPER SHALL OBTAIN ENCROACHMENT PERMITS FROM THE SANTA CLARA VALLEY WATER DISTRICT AND CALIFORNIA DEPARTMENT OF TRANSPORTATION
- WHERE NEEDED. COPIES OF THESE PERMITS SHALL BE KEPT AT THE JOB SITE FOR REVIEW BY THE COUNTY'S INSPECTOR. DEVELOPER SHALL REMOVE OR TRIM ALL TREES TO PROVIDE AN
- UNOBSTRUCTED FIFTEEN (15) FOOT VERTICAL CLEARANCE FOR ROADWAY AREA. THIS PLAN AUTHORIZES THE REMOVAL OF ONLY THOSE TREES WITH TRUNK DIAMETERS GREATER THAN 12 INCHES MEASURED 4.5 FEET ABOVE THE GROUND THAT ARE SHOWN TO BE REMOVED UNLESS AN AMENDED PLAN IS APPROVED OR A SEPARATE TREE REMOVAL PERMIT IS OBTAINED FROM THE PLANNING OFFICE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT REMOVAL OF ADDITIONAL TREES HAS BEEN PERMITTED. DEVELOPER SHALL PROVIDE ADEQUATE DUST CONTROL AS REQUIRED BY THE
- ALL PERSONS MUST COMPLY WITH SECTION 4442 OF THE PUBLIC RESOURCES CODE AND SECTION 13005 OF THE HEALTH AND SAFETY CODE RELATING TO
- THE USE OF SPARK ARRESTERS. UPON DISCOVERING OR UNEARTHING ANY BURIAL SITE AS EVIDENCED BY HUMAN SKELETAL REMAINS OR ARTIFACTS, THE PERSON MAKING SUCH DISCOVERY SHALL IMMEDIATELY NOTIFY THE COUNTY CORONER AT (4008) 454-2520 AND LAND DEVELOPMENT ENGINEERING OFFICE AT (408) 299-5730. NO FURTHER DISTURBANCE OF THE SITE MAY BE MADE EXCEPT AS AUTHORIZED BY THE LAND DEVELOPMENT OFFICE IN ACCORD WITH PROVISIONS OF THIS ORDINANCE (COUNTY ORDINANCE CODE SECTION B6-18).
- THESE PLANS ARE FOR THE WORK DESCRIBED IN THE SCOPE OF WORK ONLY. A SEPARATE PERMIT WILL BE REQUIRED FOR THE SEPTIC LINE CONSTRUCTION. ANY DEVIATION FROM THESE APPROVED PLANS SHALL BE RE-APPROVED IN WRITING BY THE COUNTY ENGINEER PRIOR TO CONSTRUCTION.

CONSTRUCTION STAKING

- THE DEVELOPER'S ENGINEER IS RESPONSIBLE FOR THE INITIAL PLACEMENT AND REPLACEMENT OF CONSTRUCTION GRADE STAKES. THE STAKES ARE TO BE ADEQUATELY IDENTIFIED, LOCATED, STABILIZED, ETC. FOR THE CONVENIENCE OF CONTRACTORS. LATERAL OFFSET OF STAKES SET FOR CURBS AND GUTTERS SHALL NOT EXCEED 2 1/2 FEET FROM BACK OF CURB. ANY PROPERTY LINE STAKES OR ROAD MONUMENTS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED BY DEVELOPER'S ENGINEER AND LICENSED
- PROPERTY LINE STAKING MUST BE PERFORMED BY THE PROJECT ENGINEER OR LAND SURVEYOR TO ESTABLISH OR RE-ESTABLISH THE PROJECT BOUNDARY AND SHALL BE INSPECTED BY THE COUNTY INSPECTOR PRIOR TO THE BEGINNING OF THE WORK
- PROPER CONSTRUCTION STAKES SHALL BE SET IN THE FIELD BY THE PROJECT ENGINEER OR LAND SURVEYOR AND VERIFIED BY THE COUNTY INSPECTOR PRIOR TO THE COMMENCEMENT OF GRADING.

CONSTRUCTION INSPECTION

- CONTRACTOR SHALL NOTIFY PERMIT INSPECTION UNIT, SANTA CLARA COUNTY PRIOR TO COMMENCING WORK AND FOR FINAL INSPECTION OF WORK AND SITE. COUNTY REQUIRES A MINIMUM OF 24 HOURS ADVANCE NOTICE FOR GENERAL INSPECTION, 48 HOURS FOR ASPHALT CONCRETE INSPECTION. INSPECTION BY SANTA CLARA COUNTY SHALL BE LIMITED TO INSPECTION OF MATERIALS AND PROCESSES OF CONSTRUCTION TO OBSERVE THEIR COMPLIANCE WITH PLANS & SPECIFICATIONS BUT DOES NOT INCLUDE RESPONSIBILITY FOR THE SUPERINTENDENT OF CONSTRUCTION, SITE CONDITIONS, EQUIPMENT OR PERSONNEL. CONTRACTOR SHALL NOTIFY THE COUNTY LAND DEVELOPMENT INSPECTOR AT PHONE (408) 299-6868 AT
- LEAST 24 HOURS PRIOR TO COMMENCING WORK AND FOR FINAL INSPECTION OF WORK AND SITE. DEVELOPER AND/OR HIS AUTHORIZED REPRESENTATIVE MUST SUBMIT WRITTEN
- REQUEST FOR FINAL INSPECTION AND ACCEPTANCE. SAID REQUEST SHALL BE DIRECTED TO THE INSPECTION OFFICE NOTED ON THE PERMIT FORM. THE CONTRACTOR SHALL PROVIDE TO THE COUNTY CONSTRUCTION INSPECTOR WITH PAD ELEVATION AND LOCATION CERTIFICATES, PREPARED BY THE PROJECT ENGINEER OR LAND SURVEYOR, PRIOR TO COMMENCEMENT OF THE BUILDING FOUNDATION.

SITE PREPARATION (CLEARING AND GRUBBING) EXISTING TREES AUTHORIZED FOR REMOVAL, ROOTS, AND FOREIGN MATERIAL IN

- PROPOSED ROADWAYS (EITHER PRIVATE OR TO BE DEDICATED TO
- PUBLIC USE) B) FROM AREAS AFFECTED BY THE PROPOSED GRADING EXCEPT WHERE NOTED ON THE PLANS.
- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO MOVE OR RELOCATE UTILITY POLES AND OTHER OBSTRUCTIONS IN THE WAY OF CONSTRUCTION. ITILITY LOCATION. TRENCHING & BACKFILL
- CONTRACTOR SHALL NOTIFY USA (UNDERGROUND SERVICE ALERT) AT 1-800-277-2600 A MINIMUM OF 24 HOURS BEFORE BEGINNING UNDERGROUND WORK FOR VERIFICATION OF THE LOCATION OF UNDERGROUND
- ACCURATE VERIFICATION AS TO SIZE, LOCATION, AND DEPTH OF EXISTING UNDERGROUND CONDUITS OR FACILITIES SHALL BE THE INDIVIDUAL CONTRACTORS RESPONSIBILITY. PLAN LOCATIONS ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY.
- ALL UNDERGROUND INSTALLATIONS SHALL BE IN PLACE AND THE TRENCH BACKFILLED AND COMPACTED BEFORE PLACING AGGREGATE BASE MATERIAL OR SURFACE STRUCTURES. SURFACING MAY BE DONE IF THE UTILITY COMPANY CONCERNED INDICATES BY LETTER THAT IT WILL BORE. UNLESS SPECIFICALLY AUTHORIZED BY THE COUNTY, GAS AND WATER MAINS SHALL BE INSTALLED OUTSIDE THE PAVED AREAS.
- TRENCH BACKFILL IN EXISTING PAVEMENT AREAS SHALL BE SAND MATERIAL IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE SPECIFICATIONS. THE STRUCTURAL SECTION FOR TRENCH REPLACEMENT SHALL CONSIST OF NOT LESS THAN 12 INCHES OF APPROVED AGGREGATE BASE MATERIAL COMPACTED TO A RELATIVE COMPACTION OF AT LEAST 95% AND 4 INCHES OF HOT ASPHALT CONCRETE PLACED IN TWO LIFTS. TRENCH RESTORATION FOR HIGHER TYPE PAVEMENTS SHALL BE MADE IN KIND OR AS
- DIRECTED BY THE COUNTY. TRENCH BACKFILL IN NEW CONSTRUCTION AREAS SHALL BE SAND MATERIAL COMPACTED TO A RELATIVE COMPACTION OF AT LEAST 90%. THE REQUIREMENT FOR SELECT MATERIAL MAY BE WAIVED BY COUNTY IF THE NATIVE SOIL IS SUITABLE FOR USE AS TRENCH BACKFILL BUT THE
- COMPACTION REQUIREMENTS WILL NOT BE THEREBY WAIVED. BACKFILL AND TRENCH RESTORATION REQUIREMENTS SHALL APPLY AS MINIMUM STANDARDS TO ALL UNDERGROUND FACILITIES INSTALLED BY OTHER FIRMS OR PUBLIC AGENCIES.
- ETAINING WALLS
- REINFORCED CONCRETE AND CONCRETE MASONRY UNIT RETAINING WALLS SHALL HAVE FOUNDATION AND REINFORCEMENT INSPECTED BY THE COUNTY ENGINEERING CONTINUAL CONTROL OF THE COUNTY INSPECTOR. INSPECTOR AND ENGINEER OF RECORD PRIOR TO POURING THE FOUNDATION AND
- SEGMENTAL BLOCK RETAINING WALLS SHALL HAVE FOUNDATION AND REINFORCEMENT INSPECTED BY THE COUNTY ENGINEERING INSPECTOR.

GRADING

- 1. EXCAVATED MATERIAL SHALL BE PLACED IN THE FILL AREAS DESIGNATED OR SHALL BE HAULED AWAY FROM THE SITE TO A COUNTY APPROVED DISPOSAL SITE. WHERE FILL MATERIAL IS TO BE PLACED ON NATURAL GROUND, IS SHALL E STRIPPED OF ALL VEGETATION. TO ACHIEVE A PROPER BOND WITH THE FILL MATERIAL, THE SURFACE OF THE GROUND SHALL BE SCARIFIED TO DEPTH OF 6" BEFORE FILL IS PLACED. WHERE NATURAL GROUND IS STEEPER THAN 5:1, IT SHALL BE BENCHED AND THE FILL KEYED IN TO ACHIEVE STABILITY. WHERE NEW FILL IS TO BE PLACED ON EXISTING FILL THE EXISTING FILL SHALL BE REMOVED UNTIL MATERIAL COMPACTED TO 90% RELATIVE COMPACTION IS EXPOSED. THEN THE NEW FILL MATERIAL SHALL BE PLACED AS PER THESE CONSTRUCTION NOTES. FILL MATERIAL SHALL BE PLACED IN UNIFORM LIFTS NOT EXCEEDING 6" IN UNCOMPACTED THICKNESS. BEFORE COMPACTION BEGINS, THE FILL SHALL BE BROUGHT TO A WATER CONTENT THAT WILL PERMIT PROPER COMPACTION BY EITHER 1) AERATING THE FILL IF IT IS TOO WET OR 2) MOISTENING THE FILL WITH WATER IF IT IS TOO DRY. EACH LIFT SHALL BE THOROUGHLY MIXED BEFORE COMPACTION TO ENSURE A UNIFORM DISTRIBUTION OF MOISTURE EXCESS CUT MATERIAL SHALL NOT BE SPREAD OR STOCKPILED ON THE SITE.
- SURPLUS EARTH FILL MATERIAL SHALL BE PLACED IN A SINGLE (8" MAX) THICK LAYER COMPACTED TO WITHSTAND WEATHERING IN THE AREA(S) DELINEATED ON THE PLAN. 4. NO ORGANIC MATERIAL SHALL BE PLACED IN ANY FILL. NO TREES SHALL BE
- REMOVED OUTSIDE OF CUT, FILL OR ROADWAY AREAS. THE UPPER 6" OF SUBGRADE BELOW DRIVEWAY ACCESS ROAD OR PARKING AREA SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY. MAXIMUM CUT SLOPE SHALL BE 2 HORIZONTAL TO 1 VERTICAL. MAXIMUM FILL SLOPE SHALL BE 2 HORIZONTAL TO 1 VERTICAL.

CUT (C.Y.)	FILL (C.Y.)	VERT. DEPTH
105	130	8'
-	_	_
0	664	14'
20	1,041	9.7'
25	245	8'
5	2	0.5'
155	2,082	
	105 - 0 20 25 5	- - 0 664 20 1,041 25 245 5 2

- NOTE: FILL VOLUMES INCLUDE 10% SHRINKAGE. EXCESS MATERIAL SHALL BE OFF HAULED TO A COUNTY APPROVED DUMP
- 7. NOTIFY SOILS ENGINEER TWO (2) DAYS PRIOR TO COMMENCEMENT OF ANY GRADING WORK TO COORDINATE THE WORK IN THE FIELD. 8. ALL MATERIALS FOR FILL SHOULD BE APPROVED BY THE SOILS ENGINEER BEFORE IT IS BROUGHT TO THE SITE.
- 9. THE UPPER 6" OF THE SUBGRADE SOIL SHALL BE SCARIFIED, MOISTURE CONDITIONED AND COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 95% 10. ALL AGGREGATE BASE MATERIAL SHALL BE COMPACTED TO A MINIMUM 95% RELATIVE COMPACTION 11. THE GEOTECHNICAL PLAN REVIEW LETTER MUST BE REVIEWED AND APPROVED BY THE COUNTY GEOLOGIST PRIOR TO FINAL APPROVAL BY THE COUNTY
- ENGINEER FOR BUILDING OCCUPANCY. 12. THE PROJECT GEOTECHNICAL ENGINEER SHALL PERFORM COMPACTION TESTING AND PRESENT THE RESULTS TO THE COUNTY ENGINEERING INSPECTOR PRIOR TO THE CONSTRUCTION OF ANY PAVED AREA
- 13. GRADING WORK BETWEEN OCTOBER 15TH AND APRIL 15TH IS AT THE DISCRETION OF THE SANTA CLARA COUNTY GRADING OFFICIAL. 14. TOTAL DISTURBED AREA FOR THE PROJECT 8,200 SF.
- 15. WDID NO.: N/A 16. THE INSPECTOR MAY VERIFY THAT A VALID NOTICE OF INTENT (NOI) HAS BEEN ISSUED BY THE STATE AND THAT A CURRENT AND UP TO DATE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS AVAILABLE ON SITE.

- 1. FOR ALL TREES TO BE RETAINED WITH A CANOPY IN THE DEVELOPMENT AREA OR INTERFACES WITH THE LIMITS OF GRADING FOR ALL PROPOSED OF RIGID TREE PROTECTIVE FENCING, CONSISTENT WITH THE COUNTY INTEGRATED LANDSCAPE GUIDELINES, AND INCLUDE THE FOLLOWING:
- FENCING SHOULD BE PLACED ALONG THE OUTSIDE EDGE OF THE DRIPLINE OF THE TREE OR GROVE OF TREES. THE FENCING SHALL BE MAINTAINED THROUGHOUT THE SITE CONSTRUCTION PERIOD AND SHALL BE INSPECTED PERIODICALLY FOR DAMAGE AND PROPER FUNCTION.
- FENCING SHALL BE REPAIRED, AS NECESSARY, TO PROVIDE A PHYSICAL BARRIER FROM CONSTRUCTION ACTIVITIES. SIGNAGE STATING, "WARNING- THIS FENCING SHALL NOT BE REMOVED WITHOUT PERMISSION FROM THE SANTA CLARA COUNTY PLANNING OFFICE (408) 299-5770. COUNTY OF SANTA CLARA TREE PROTECTION MEASURES MAY BE FOUND AT
- http://www.sccplanning.gov." SHALL BE PLACED ON THE TREE PROTECTIVE FENCING UNTIL FINAL OCCUPANCY. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY, TREE PROTECTIVE FENCING SHALL BE SECURELY IN PLACED AND INSPECTED BY THE LAND DEVELOPMENT ENGINEERING INSPECTOR. SEE EXISTING TREE PROTECTION DETAILS FOR MORE INFORMATION.

AREAS TO BE IMPROVED WILL BE REMOVED TO AN AUTHORIZED DISPOSAL SITE ACCESS ROADS AND DRIVEWAYS

- A) TO A MINIMUM DEPTH OF TWO FEET BELOW THE FINISHED GRADE OF 1. DRIVEWAY LOCATIONS SHALL BE AS SHOWN ON THE IMPROVEMENT PLANS WITH CENTERLINE STATIONING. THE MINIMUM CONCRETE THICKNESS SHALL BE 6 INCHES THROUGHOUT (WITH A MAXIMUM APPROACH SLOPE OF 1 1/4 INCHES
 - ALL DRIVEWAY OR COMMON ACCESS ROAD SECTIONS IN EXCESS OF 15 LONGITUDINAL SLOPE MUST BE PAVED WITH A MINIMUM 2-INCH ASPHALT LIFT OR FULL DEPTH CONCRETE LIFT PRIOR TO ANY COMBUSTIBLE FRAMING. THE OWNER AND PRIME CONTRACTOR ARE RESPONSIBLE FOR MAINTAINING PROJECT SITE ACCESS AND NEIGHBORHOOD ACCESS FOR EMERGENCY VEHICLES
 - 4. ROADWAYS DESIGNATED AS NOT COUNTY MAINTAINED ROADS AS SHOWN ON THE PLAN WILL NOT BE ELIGIBLE FOR COUNTY MAINTENANCE UNTIL THE ROADWAYS ARE IMPROVED (AT NO COST TO THE COUNTY) TO THE PUBLIC MAINTENANCE ROAD STANDARDS APPROVED BY THE BOARD OF SUPERVISORS AND IN EFFECT AT SUCH TIME THAT THE ROADWAYS ARE CONSIDERED FOR ACCEPTANCE INTO THE COUNTY'S ROAD SYSTEM.
 - ALL WORK IN THE COUNTY ROAD RIGHT-OF-WAY REQUIRES AN ENCROACHMENT PERMIT FROM THE ROADS AND AIRPORTS DEPARTMENT. EACH INDIVIDUAL ACTIVITY REQUIRES A SEPARATE PERMIT - I.E. CABLE, ELECTRICAL, GAS, SEWER, WATER, RETAINING WALLS, DRIVEWAY APPROACHES, FENCES, LANDSCAPING, TREE REMOVAL, STORM DRAINAGE IMPROVEMENTS, ETC..

TREET LIGHTING

1. PACIFIC GAS & ELECTRIC ELECTROLIER SERVICE FEE SHALL BE PAID BY THE DEVELOPER AND/OR HIS AUTHORIZED REPRESENTATIVE.

THE SANITARY SEWER AND WATER UTILITIES SHOWN ON THESE PLANS ARE NOT PART OF THIS GRADING PERMIT AND ARE SHOWN FOR REFERENCE ONLY. ALL MATERIALS AND METHODS OF CONSTRUCTION OF SANITARY SEWERS SHALL

OF SANITARY SEWER WORK SHALL BE DONE BY SAID JURISDICTION.

PORTLAND CEMENT CONCRETE

CONCRETE USED FOR STRUCTURAL PURPOSES SHALL BE CLASS "A" (6 SACK PER CUBIC YARD) AS SPECIFIED IN THE STATE STANDARD SPECIFICATIONS. CONCRETE PLACED MUST DEVELOP A MINIMUM STRENGTH FACTOR OF 2800 PSI IN A SEVEN-DAY PERIOD. THE CONCRETE MIX DESIGN SHALL BE UNDER THE

AIR QUALITY, LANDSCAPING AND EROSION CONTROL

- 1. WATER ALL ACTIVE CONSTRUCTION AREAS AT LEAST TWICE DAILY. COVER ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS OR REQUIRE ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FREEBOARD.
- 3. PAVE, APPLY WATER THREE TIMES DAILY, OR APPLY (NON-TOXIC) SOIL STABILIZERS ON ALL UNPAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS AT CONSTRUCTION SITES.
- . SWEEP DAILY (WITH WATER SWEEPERS) ALL PAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS AT CONSTRUCTION SITES. THE USE OF DRY POWDER SWEEPING IS PROHIBITED.
- SWEEP STREETS DAILY (WITH WATER SWEEPERS) IF VISIBLE SOIL MATERIAL IS CARRIED ONTO ADJACENT PUBLIC STREETS. THE USE OF DRY POWDER SWEEPING IS PROHIBITED. 6. ALL CONSTRUCTION VEHICLES, EQUIPMENT AND DELIVERY TRUCKS SHALL
- HAVE A MAXIMUM IDLING TIME OF 5 MINUTES (AS REQUIRED BY THE CALIFORNIA AIRBORNE TOXIC CONTROL MEASURE TITLE 13, SECTION 2485 OF CALIFORNIA CODE OF REGULATIONS (CCR)). ENGINES SHALL BE SHUT OFF IF CONSTRUCTION REQUIRES LONGER IDLING TIME UNLESS NECESSARY FOR
- PROPER OPERATION OF THE VEHICLE. ALL VEHICLE SPEEDS ON UNPAVED ROADS SHALL BE LIMITED TO 15 MILES PFR HOUR.
- 8. ALL CONSTRUCTION EQUIPMENT SHALL BE MAINTAINED AND PROPERLY TUNED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. ALL EQUIPMENT SHALL BE CHECKED BY A CERTIFIED MECHANIC AND DETERMINED TO BE
- RUNNING IN PROPER CONDITION PRIOR TO OPERATION. 9. POST A SIGN THAT IS AT LEAST 32 SQUARE FEET MINIMUM 2 INCHES LETTER HEIGHT VISIBLE NEAR THE ENTRANCE OF CONSTRUCTION SITE THAT IDENTIFIES THE FOLLOWING REQUIREMENTS. OBTAIN ENCROACHMENT PERMIT FOR SIGN FROM ROADS DEPARTMENT OR OTHER APPLICABLE AGENCY IF REQUIRED.
- A. 15 MILES PER HOUR (MPH) SPEED LIMIT B. 5 MINUTES MAXIMUM IDLING TIME OF VEHICLES TELEPHONE NUMBER TO CONTACT THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT REGARDING DUST COMPLAINTS. NOTE PHONE NUMBER OF THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT AIR POLLUTION COMPLAIN HOTLINE OF 1-800-334-6367
- 10. ALL FILL SLOPES SHALL BE COMPACTED AND LEFT IN A SMOOTH AND FIRM CONDITION CAPABLE OF WITHSTANDING WEATHERING. 11. ALL EXPOSED DISTURBED AREAS SHALL BE SEEDED WITH BROME SEED SPREAD AT THE RATE OF 5 LB. PER 1000 SQUARE FEET (OR APPROVED EQUAL). SEEDING AND WATERING SHALL BE MAINTAINED AS REQUIRED TO ENSURE
- GROWTH. 12. ALL DITCHES SHALL BE LINED PER COUNTY STANDARD SD8. 13. ALL STORM DRAINAGE STRUCTURES SHALL BE INSTALLED WITH EFFECTIVE ENTRANCE & OUTFALL EROSION CONTROLS E.G. SACKED CONCRETE RIP-RAP. ENERGY DISSIPATERS SHALL BE INSTALLED AT ALL DITCH OUTFALLS. WHERE OUTFALLS ARE NOT INTO AN EXISTING CREEK OR WATER COURSE, RUNOFF SHALL BE RELEASED TO SHEET FLOW.
- 14. PRIOR TO GRADING COMPLETION AND RELEASE OF THE BOND, ALL GRADED AREAS SHALL BE RESEEDED IN CONFORMANCE WITH THE COUNTY GRADING ORDINANCE TO MINIMIZE THE VISUAL IMPACTS OF THE GRADE SLOPES AND REDUCE THE POTENTIAL FOR EROSION OF THE SUBJECT SITE 15. PERMANENT LANDSCAPING SHOWN ON THE ATTACHED LANDSCAPE PLAN MUST BE INSTALLED AND FIELD APPROVED BY THE COUNTY PLANNING OFFICE PRIOR TO FINAL APPROVAL BY THE COUNTY ENGINEER, AND FINAL OCCUPANCY
- RELEASE BY THE BUILDING INSPECTION OFFICE. 16. THE OWNER SHALL PREPARE AND PRESENT A WINTERIZATION REPORT TO THE COUNTY INSPECTOR FOR REVIEW PRIOR TO OCTOBER 15TH OF EVERY YEAR. 17. THE OWNER, CONTRACTOR, AND ANY PERSON PERFORMING CONSTRUCTION ACTIVITIES SHALL INSTALL AND MAINTAIN CONSTRUCTION BEST MANAGEMENT PRACTICES (BMPS) ON THE PROJECT SITE AND WITHIN THE SANTA CLARA COUNTY ROAD RIGHT-OF-WAY THROUGHOUT THE DURATION OF THE CONSTRUCTION AND UNTIL THE ESTABLISHMENT OF PERMANENT STABILIZATION AND SEDIMENT CONTROL TO PREVENT THE DISCHARGE OF POLLUTANTS INCLUDING SEDIMENT, CONSTRUCTION MATERIALS, EXCAVATED MATERIALS, AND WASTE INTO THE SANTA CLARA COUNTY RIGHT-OF-WAY, STORM SEWER
- WATERWAYS, ROADWAY INFRASTRUCTURE. BMPS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING: A. PREVENTION OF POLLUTANTS IN STORM WATER DISCHARGES FROM THE CONSTRUCTION SITE AND THE CONTRACTOR'S MATERIAL AND EQUIPMENT LAYDOWN / STAGING AREAS.
- B. PREVENTION OF TRACKING OF MUD, DIRT, AND CONSTRUCTION MATERIALS ONTO THE PUBLIC ROAD RIGHT-OF-WAY. C. PREVENTION OF DISCHARGE OF WATER RUN-OFF DURING DRY AND WET
- WEATHER CONDITIONS ONTO THE PUBLIC ROAD RIGHT-OF-WAY. 18. THE OWNER, CONTRACTOR, AND ANY PERSON PERFORMING CONSTRUCTION ACTIVITIES SHALL ENSURE THAT ALL TEMPORARY CONSTRUCTION FACILITIES, INCLUDING BUT NOT LIMITED TO CONSTRUCTION MATERIALS, DELIVERIES, HAZARDOUS AND NON-HAZARDOUS MATERIAL STORAGE, EQUIPMENT, TOOLS, PORTABLE TOILETS, CONCRETE WASHOUT, GARBAGE CONTAINERS, LAYDOWN YARDS. SECONDARY CONTAINMENT AREAS, ETC. ARE LOCATED OUTSIDE THE SANTA CLARA COUNTY ROAD RIGHT-OF-WAY.
- 19. EROSION CONTROL PLAN IS A GUIDE AND SHALL BE AMENDED AS NECESSARY TO PREVENT EROSION AND ILLICIT DISCHARGES ON A YEAR AROUND BASIS, DEPENDING ON THE SEASON, WEATHER, AND FIELD CONDITIONS. EROSION CONTROL MEASURES IN ADDITION TO THOSE NOTED IN THE PERMITTED PLANS MAY BE NECESSARY. FAILURE TO INSTALL SITE SITE AND SITUATIONALY APPROPRIATE EROSION CONTROL MEASURES MAY RESULT IN VIOLATIONS, FINES, AND A STOPPAGE OF WORK.

STORM DRAINAGE AND STORMWATER MANAGEMENT

- 1. DEVELOPER IS RESPONSIBLE FOR ALL NECESSARY DRAINAGE FACILITIES WHETHER SHOWN ON THE PLANS OR NOT AND HE OR HIS SUCCESSOR PROPERTY OWNERS ARE RESPONSIBLE FOR THE ADEQUACY AND CONTINUED MAINTENANCE OF THESE FACILITIES IN A MANNER WHICH WILL PRECLUDE ANY HAZARD TO LIFE, HEALTH, OR DAMAGE TO ADJOINING PROPERTY, CONSISTENT WITH NPDES PERMIT CAS612008 / ORDER NO. R2-2009-0047 AND NPDES PERMIT CAS000004/ ORDER NO. 2013-0001-DWQ.
- DROP INLETS SHALL BE COUNTY STANDARD TYPE 5 UNLESS OTHERWISE NOTED ON THE PLANS. THE DEVELOPER'S ENGINEER SHALL BE RESPONSIBLE FOR THE PROPER LOCATION OF DROP INLETS. WHERE STREET PROFILE GRADE EXCEEDS 6% DROP INLETS SHALL BE SET AT 500 ANGLE CURB LINE TO ACCEPT WATER
- OR AS SHOWN ON THE PLANS. WHERE CULVERTS ARE INSTALLED THE DEVELOPER SHALL BE RESPONSIBLE FOR GRADING THE OUTLET DITCH TO DRAIN TO AN EXISTING SWALE OR TO AN OPEN AREA FOR SHEET FLOW.
- UPON INSTALLATION OF DRIVEWAY CONNECTIONS, PROPERTY OWNERS SHALL PROVIDE FOR THE UNINTERRUPTED FLOW OF WATER IN ROADSIDE DITCHES. 5. THE COUNTY SHALL INSPECT UNDERGROUND DRAINAGE IMPROVEMENTS AND STORMWATER MANAGEMENT FEATURES PRIOR TO BACKFILL.

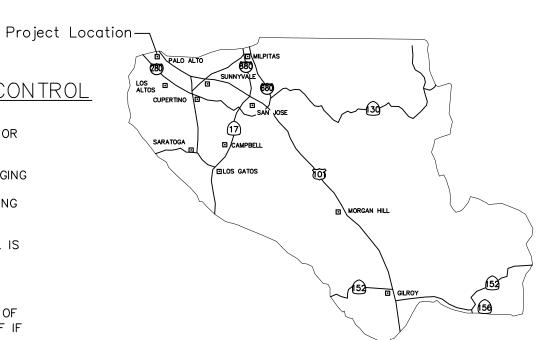
AS-BUILT PLANS STATEMENT

THIS IS A TRUE COPY OF THE AS-BUILT PLANS. THERE (___ WERE) (___ WERE NOT) MINOR FIELD CHANGES - MARKED WITH THE SYMBOL (^). THERE (____WERE) . WERE NOT) PLAN REVISIONS INDICATING SIGNIFICANT CHANGES REVIEWED BY THE COUNTY ENGINEER AND MARKED WITH THE SYMBOL \triangle .

NOTE: THIS STATEMENT IS TO BE SIGNED BY THE PERSON AUTHORIZED BY THE COUNTY ENGINEER TO PERFORM THE INSPECTION WORK. A REPRODUCIBLE COPYOF THE AS-BUILT PLANS MUST BE FURNISHED TO THE COUNTY ENGINEER CONFORM TO THE SPECIFICATIONS OF THE JURISDICTION INVOLVED. INSPECTION AFTERCONSTRUCTION.

GEOTECHNICAL ENGINEER OBSERVATION

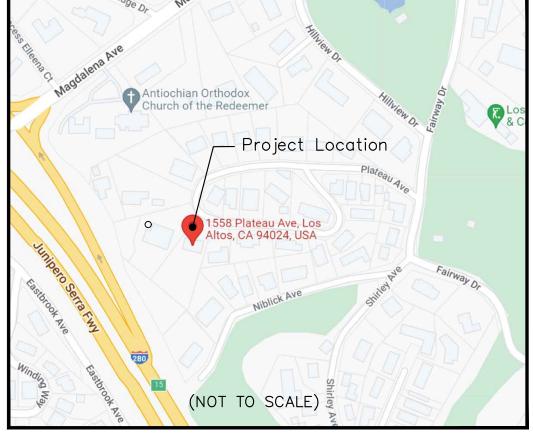
1. A CONSTRUCTION OBSERVATION LETTER FROM THE RESPONSIBLE GEOTECHNICAL ENGINEER AND ENGINEERING GEOLOGIST DETAILING CONSTRUCTION OBSERVATIONS AND CERTIFYING THAT THE WORK WAS DONE IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL AND GEOLOGIC REPORTS SHALL BE SUBMITTED PRIOR TO THE GRADING COMPLETION AND RELEASE OF THE BOND.

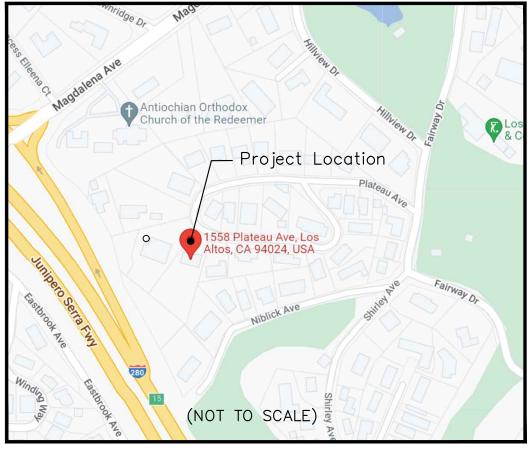


COUNTY LOCATION MAP

TENSION

BAR (OPT)





VICINITY MAP

LANDS OF NARAYANAN

1. THE DEVELOPER IS RESPONSIBLE FOR THE INSTALLATION OF THE WORK PROPOSED ON THE EROSION CONTROL PLAN. THE ENGINEER OF RECORD IS RESPONSIBLE FOR THE DESIGN OF THE EROSION CONTROL PLANS AND ANY MODIFICATIONS OF THE EROSION CONTROL PLANS TO PREVENT ILLICIT DISCHARGES FROM THE SITE DURING CONSTRUCTION.

2. CONSTRUCTION OF A 15' DRIVEWAY

STORM WATER FACILITIES 4. CONSTRUCTION OF RURAL DRIVEWAY & FRONTAGE INTERIM CONDITION IN 5. UTILITY TRENCHING

* ALL RETAINING WALL DESIGN WILL BE PERMITTED WITH A SEPARATE BUILDING PERMIT

- INDICATES FOUND IRON PIPE AS NOTED
- INDICATES IRON PIPE TO BE SET

	<u>LEGEND</u>	
DESCRIPTION	PROPSED	EXISTING
FLOW DIRECTION	₹ 1%	
ELECTRIC LINE	———E———	
GAS LINE	G	
SANITARY SEWER	SS	SS
WATER LINE	W	
STORM DRAIN PIPE		
STORM DRAIN INLET		
SUB DRAIN PIPE		
CLEANOUT	•	
SILT FENCE	SF	
STRAW ROLL	SR	
TREE PROTECTION		

EXISTING TREE PROTECTION DETAILS

CHAIN SEE SIGNAGE

€10'-0" MAX**※**

- 1. PRIOR TO THE COMMENCEMENT OF ANY GRADING, TREE PROTECTIVE FENCING SHALL BE IN PLACE IN ACCORDANCE WITH THE TREE PRESERVATION PLAN AND INSPECTED BY A CERTIFIED ARBORIST. THE ARBORIST SHALL MONITOR CONSTRUCTION ACTIVITY TO ENSURE THAT THE TREE PROTECTION MEASURES ARE IMPLEMENTED AND ADHERED TO DURING CONSTRUCTION. THIS CONDITION
- SHALL BE INCORPORATED INTO THE GRADING PLANS. 2. FENCE SHALL BE MINIMUM 5 FEET TALL CONSTRUCTED OF STURDY MATERIAL (CHAIN-LINK OR EQUIVALENT STRENGTH / DURABILITY).
- 3. FENCE SHALL BE SUPPORTED BY VERTICAL POSTS DRIVEN 2 FEET (MIN) INTO THE GROUND AND SPACED NOT MORE THAN 10 FEET APART. 4. TREE FENCING SHALL BE MAINTAINED THROUGHOUT THE SITE DURING THE CONSTRUCTION PERIOD. INSPECTED PERIODICALLY FOR DAMAGE AND PROPER FUNCTION, REPAIRED AS NECESSARY TO PROVIDE A PHYSICAL BARRIER FROM CONSTRUCTION ACTIVITIES, AND REMAIN IN PLACE UNTIL THE FINAL
- 5. A SIGN THAT INCLUDES THE WORDS, "WARNING: THIS FENCE SHALL NOT BE REMOVED WITHOUT THE EXPRESSED PERMISSION OF THE SANTA CLARA COUNTY PLANNING OFFICE," SHALL BE SECURELY ATTACHED TO THE FENCE IN A VISUALLY PROMINENT LOCATION.

COUNTY OF SANTA CLARA DEPT. OF ROADS AND AIRPORTS

NO WORK SHALL BE DONE IN THE COUNTY'S RIGHT-OF-WAY

STAGING OF CONSTRUCTION MATERIAL AND THE PLACEMENT

WITHUOT AN ENCROACHEMENT PERMIT, INCLUDING THE

SURVEY MONUMENT PRESERVATION

- THE LANDOWNER / CONTRACTOR MUST PROTECT AND ENSURE THE PERPETUATION OF SURVEY MONUMENTS AFFECTED BY CONSTRUCTION
- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL LOCATE, STAKE, AND FLAG ALL PERMANENT SURVEY MONUMENTS OF UNRECORDED MONUMENTS THAT ARE DISCOVERED THAT ARE WITHIN 50 FEET
- OF THE CONSTRUCTION ACTIVITY THE CONTRACTOR SHALL CAUSE TO HAVE A LICENSED LAND SURVEYOR OR CIVIL ENGINEER, AUTHORIZED TO PRACTICE SURVEYING. RESET PERMANENT MONUMENT(S) IN THE SURFACE OF THE NEW CONSTRUCTION OR SET A WITNESS MONUMENT(S) TO PERPETUATE THE LOCATION IF ANY PERMANENT MONUMENT COULD BE DESTROYED, DAMAGED, COVERED, DISTURBED, OR OTHERWISE OBLITERATED. THE LICENSED LAND SURVEYOR OR CIVIL ENGINEER SHALL FILE A CORNER RECORD OR RECORD OF SURVEY WITH COUNTY SURVEYOR PRIOR TO FINAL ACCEPTANCE OF THE PROJECT BY THE LAND DEVELOPMENT ENGINEERING INSPECTOR.

L	AND				CLARA NG & SUF	RVEYING	,
		•	INAGE		DATE:		

COUNTY SANITATION DIST ENGINEER'S SIGNATI	0
APPROVED BY:	DATE:

EXPIRATION DATE

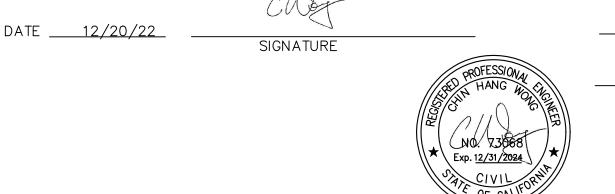
ENGINEER'S STATEMENT

ISSUED BY: ____

OF PORTABLE TOILETS.

ENCROACHMENT PERMIT NO.

I HEREBY STATE THAT THESE PLANS ARE IN COMPLIANCE WITH ADOPTED COUNTY STANDARDS



COUNTY ENGINEER'S NOTE

ISSUANCE OF A PERMIT AUTHORIZING CONSTRUCTION DOES NOT RELEASE THE DEVELOPER, PERMITTEE OF ENGINEER FROM RESPONSIBILITY FOR THE CORRECTION OF ERRORS OR OMISSIONS CONTAINED IN THE PLANS. IF, DURING THE COURSE OF CONSTRUCTION, THE PUBLIC INTEREST REQUIRES A MODIFICATION OF (OR DEPARTURE FROM) THE SPECIFICATIONS OF THE PLANS, THE COUNTY SHALL HAVE THE AUTHORITY TO REQUIRE THE SUSPENSION OF WORK, AND THE NECESSARY MODIFICATION OR DEPARTURE AND TO SPECIFY THE MANNER IN WHICH THE SAME IS TO BE MADE.

CHRISTOPHER L. FREITAS, P.E.

C042107 3/31/2020 R.C.E. NO. EXPIRATION DATE

APPROVED FOR ISSUANCE REFER TO ENCROACHMENT AND/OR CONSTRUCTION PERMIT AND PLAN COVER SHEET FOR SPECIAL CONDITIONS AND PERMIT NUMBERING

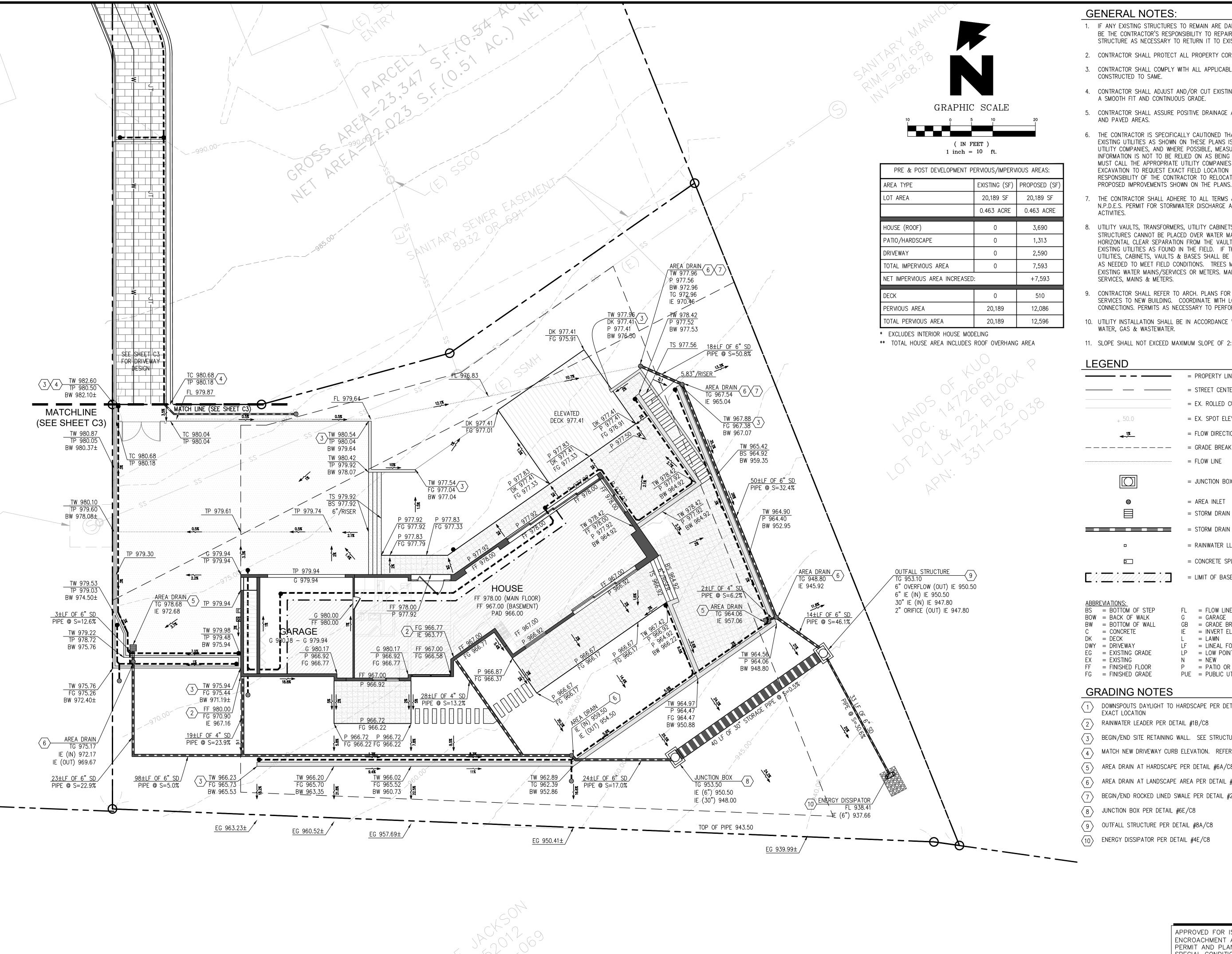
SHEET INDEX

C1	COVER SHEET
C2	GRADING & DRAINAGE PLAN
С3	DRIVEWAY IMPROVEMENT (GRADING) PLA
C4	DRIVEWAY IMPROVEMENT (UTILITY) PLAN
C5	UTILITY PLAN
C6	EROSION CONTROL PLAN
C7	TRAFFIC CONTROL PLAN
C8	DETAIL SHEET #1
С9	DETAIL SHEET #2
C10	DETAIL SHEET #3
C11	DETAIL SHEET #4
BMP-1	BMP DETAIL #1
BMP-2	BMP DETAIL #2
ENGINEER	'S NAME: CHIN-HANG WONG, P.E.
ADDRESS	: <u>1900 S. NORFOLK ST. SUITE #350</u>
	SAN MATEO, CA 94403
PHONE N	O. <u>(650)</u> 931-2514
FAX NO.	

CIVIL ENGINEERING, INC INFO@GREEN-CE.COM 1900 S. NORFOLK ST. SUITE #350 SAN MATEO, CA 94403

Revision 1 –	APN	SI
Revision 2 –	331-03-145	
neousion z	Co. File	(
Revision 3 -		1

COUNTY FILE NO .: -ROAD: PLATEAU AVE APPLICANT: NARAYANAN



- 1. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
- 2. CONTRACTOR SHALL PROTECT ALL PROPERTY CORNERS.
- 3. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE
- 4. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE
- 5. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDING FOR ALL NATURAL
- 6. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES. AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE UTILITIES WHICH CONFLICT WITH THE
- 7. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION
- 8. UTILITY VAULTS, TRANSFORMERS, UTILITY CABINETS, CONCRETE BASES, OR OTHER STRUCTURES CANNOT BE PLACED OVER WATER MAINS/SERVICES. MAINTAIN 1' HORIZONTAL CLEAR SEPARATION FROM THE VAULTS, CABINETS & CONCRETE BASSES TO EXISTING UTILITIES AS FOUND IN THE FIELD. IF THERE IS CONFLICT WITH EXISTING UTILITIES, CABINETS, VAULTS & BASES SHALL BE RELOCATED FROM THE PLAN LOCATION AS NEEDED TO MEET FIELD CONDITIONS. TREES MAY NOT BE PLANTED WITHIN 10' OF EXISTING WATER MAINS/SERVICES OR METERS. MAINTAIN 10' BETWEEN TREES AND WATER SERVICES, MAINS & MÉTERS.
- CONTRACTOR SHALL REFER TO ARCH. PLANS FOR EXACT LOCATIONS OF UTILITIES SERVICES TO NEW BUILDING. COORDINATE WITH LOCAL UTILITIES COMPANIES FOR SERVICE CONNECTIONS. PERMITS AS NECESSARY TO PERFORM UTILITY WORK IN ROW.
- 10. UTILITY INSTALLATION SHALL BE IN ACCORDANCE WITH COUNTY UTILITY STANDARDS FOR WATER, GAS & WASTEWATER.
- 11. SLOPE SHALL NOT EXCEED MAXIMUM SLOPE OF 2:1

= PROPERTY LINE = STREET CENTER LINE

= EX. ROLLED CURB

= EX. SPOT ELEVATION

= GRADE BREAK

= JUNCTION BOX / OUTFALL STRUCTURE

= STORM DRAIN PIPE

= FLOW LINE

= FLOW DIRECTION

= AREA INLET

= STORM DRAIN INLET

= RAINWATER LLEADER

= CONCRETE SPLASH PAD

= LIMIT OF BASEMENT

FL = FLOW LINER.O.W. = RIGHT-OF-WAYG = GARAGES = SLOPEGB = GRADE BREAKSD = STORM DRAINIE = INVERT ELEVATION SR = STRAW ROLLTC = TOP OF CURB

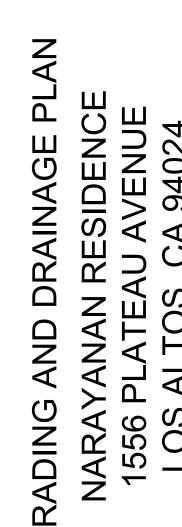
PUE = PUBLIC UTILITY EASEMENT TYP = TYPICAL

= LAWN LF = LINEAL FOOT TG = TOP OF GRATETP = TOP OF PAVEMENT LP = LOW POINTTS = TOP OF STEP N = NEWP = PATIO OR PORCHTW = TOP OF WALL

GRADING NOTES

- DOWNSPOUTS DAYLIGHT TO HARDSCAPE PER DETAIL #1A/C8. SEE ARCH. PLANS FOR
- 2 RAINWATER LEADER PER DETAIL #1B/C8
- BEGIN/END SITE RETAINING WALL. SEE STRUCTURAL PLANS FOR DETAILS
- 4 MATCH NEW DRIVEWAY CURB ELEVATION. REFER TO SHEET C3 FOR DRIVEWAY DESIGN
- 5 AREA DRAIN AT HARDSCAPE PER DETAIL #6A/C8
- 6 AREA DRAIN AT LANDSCAPE AREA PER DETAIL #3C/C8
- 7 BEGIN/END ROCKED LINED SWALE PER DETAIL #2C/C8
- 8 JUNCTION BOX PER DETAIL #6E/C8
- 9 OUTFALL STRUCTURE PER DETAIL #8A/C8
- (10) ENERGY DISSIPATOR PER DETAIL #4E/C8

APPROVED FOR ISSUANCE REFER TO ENCROACHMENT AND/OR CONSTRUCTION PERMIT AND PLAN COVER SHEET FOR SPECIAL CONDITIONS AND PERMIT NUMBERING







SCALE VERTICAL: 1"= AS SHOWN HORIZONTAL: 1"= AS SHOWN

DATE: 09/28/2022 DESIGNED: HCL DRAWN:

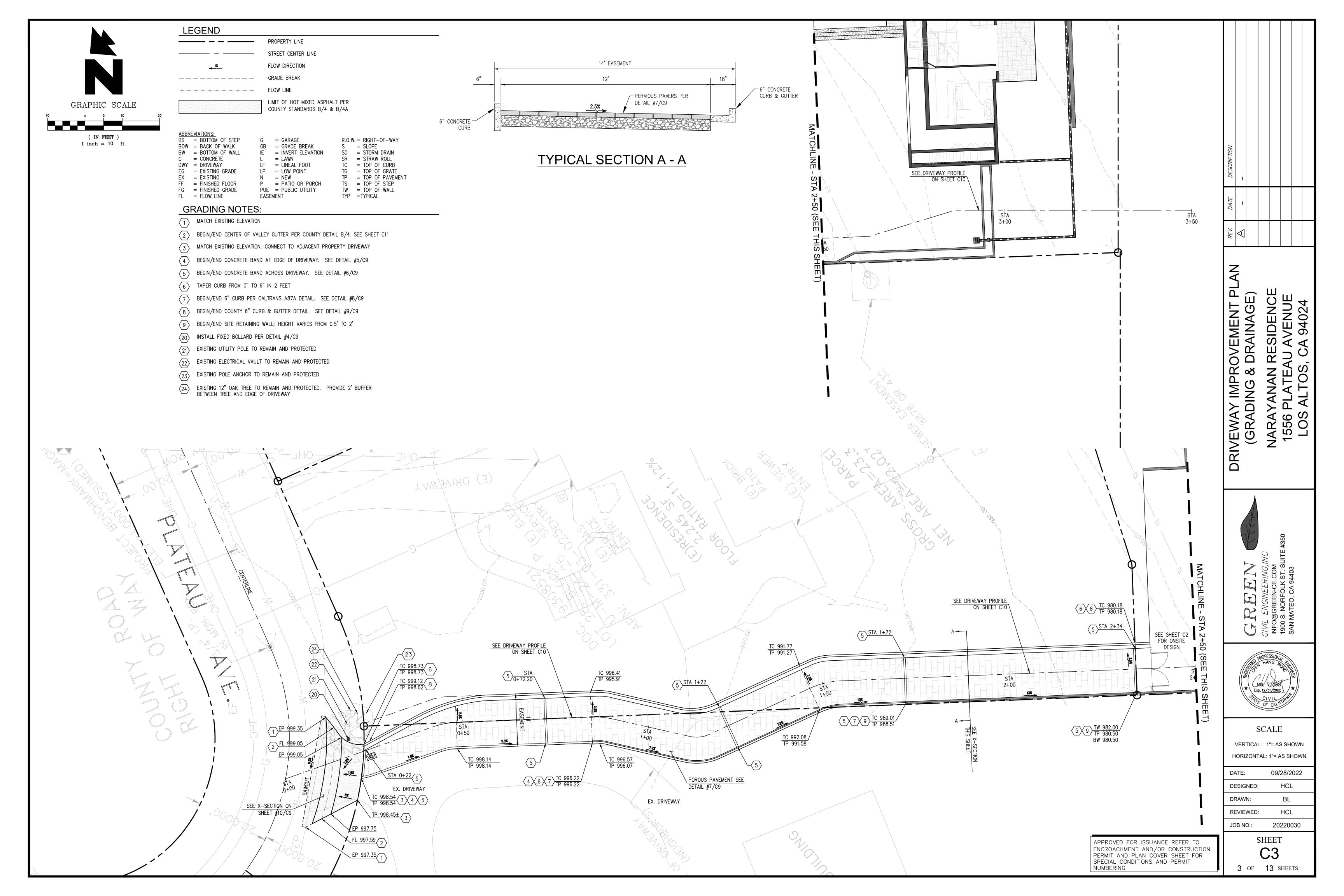
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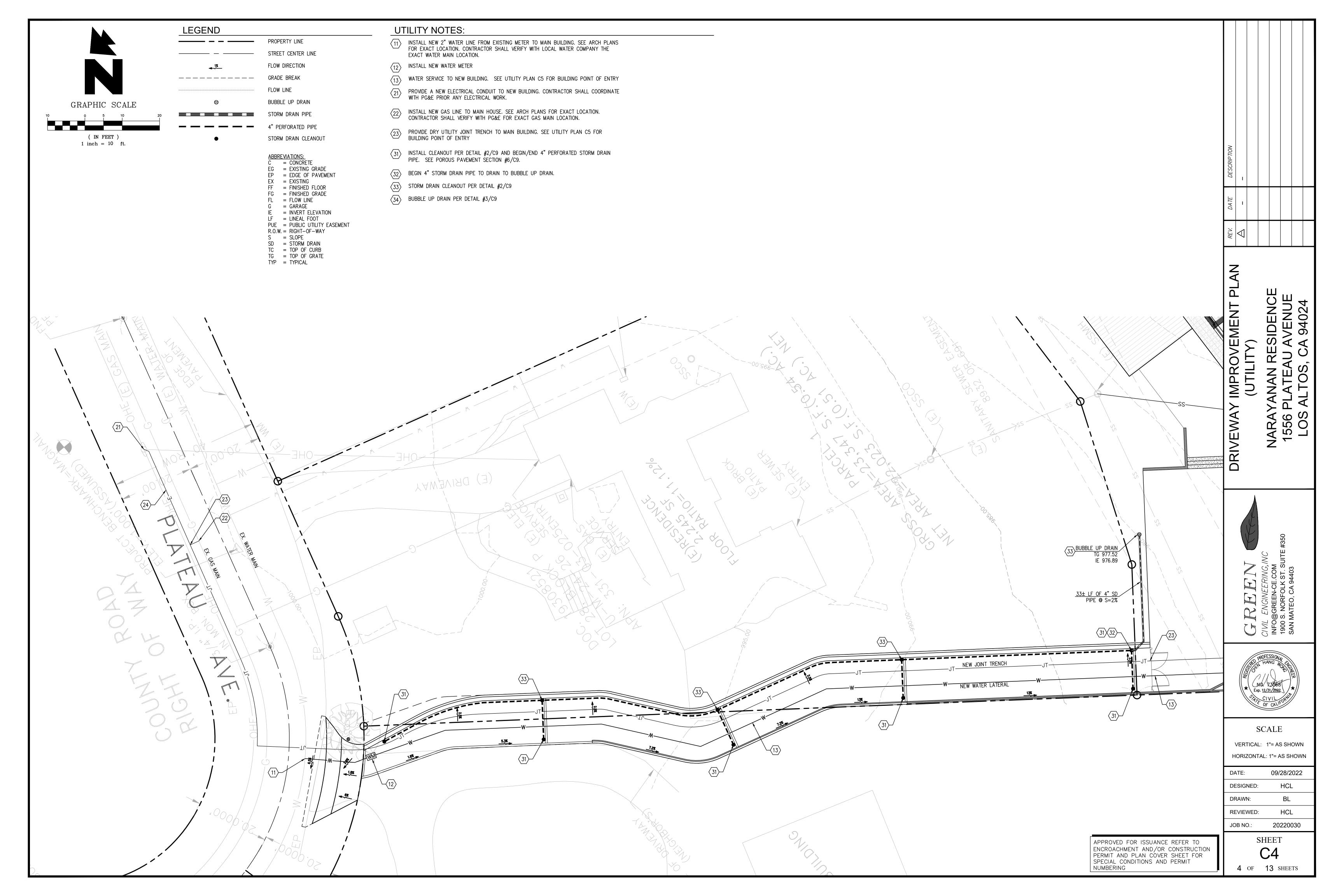
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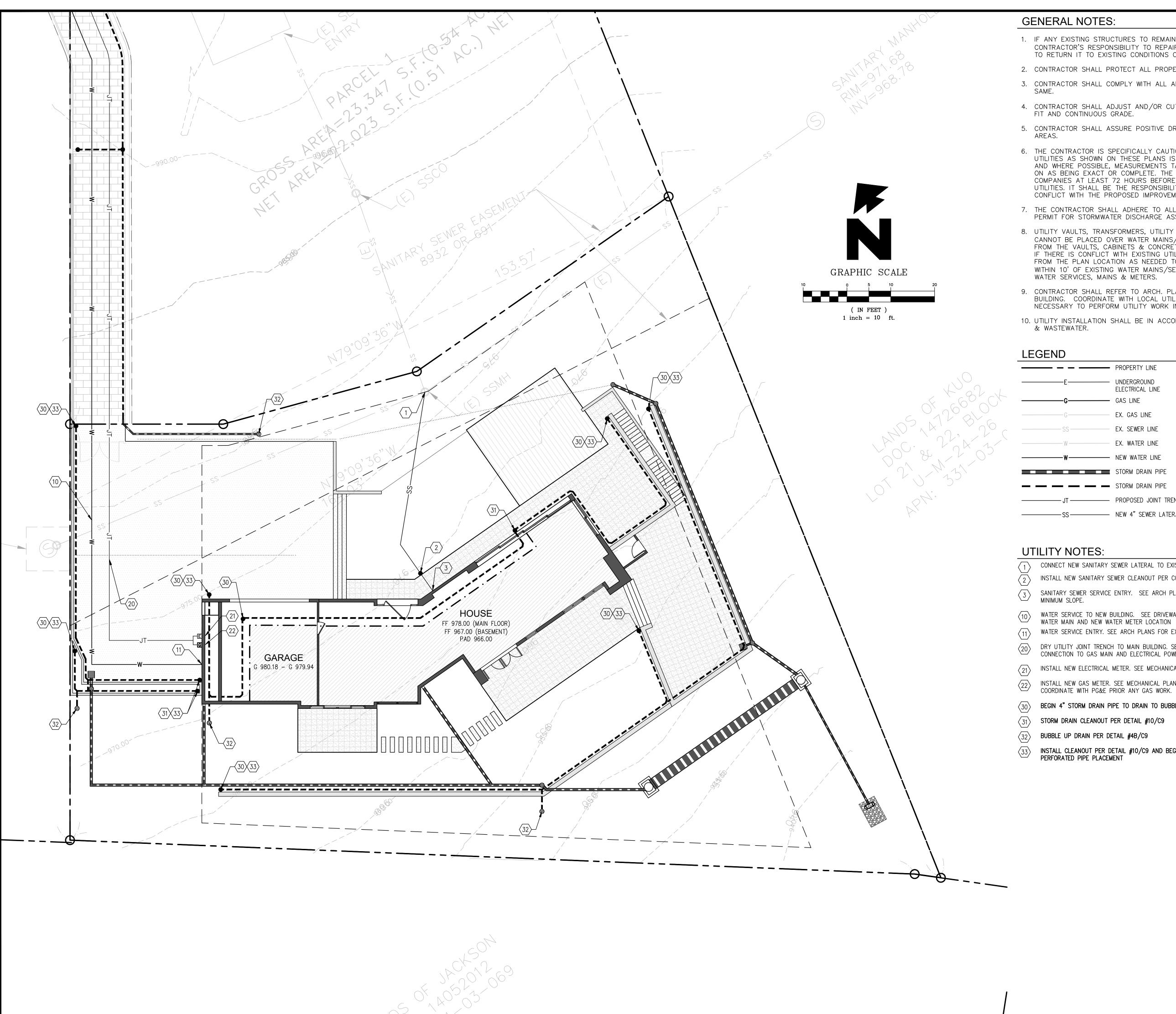
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20220030 SHEET

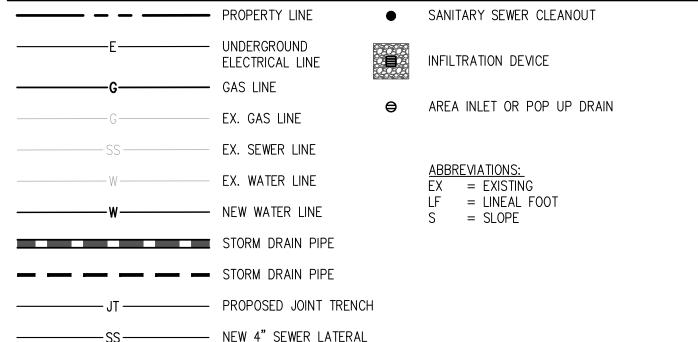
2 OF 13 SHEETS





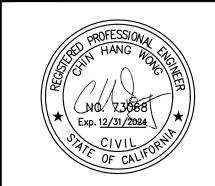


- 1. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
- 2. CONTRACTOR SHALL PROTECT ALL PROPERTY CORNERS.
- 3. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO
- 4. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
- 5. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDING FOR ALL NATURAL AND PAVED
- 6. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- 7. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- 8. UTILITY VAULTS, TRANSFORMERS, UTILITY CABINETS, CONCRETE BASES, OR OTHER STRUCTURES CANNOT BE PLACED OVER WATER MAINS/SERVICES. MAINTAIN 1' HORIZONTAL CLEAR SEPARATION FROM THE VAULTS, CABINETS & CONCRETE BASSES TO EXISTING UTILITIES AS FOUND IN THE FIELD. IF THERE IS CONFLICT WITH EXISTING UTILITIES, CABINETS, VAULTS & BASES SHALL BE RELOCATED FROM THE PLAN LOCATION AS NEEDED TO MEET FIELD CONDITIONS. TREES MAY NOT BE PLANTED WITHIN 10' OF EXISTING WATER MAINS/SERVICES OR METERS. MAINTAIN 10' BETWEEN TREES AND WATER SERVICES, MAINS & METERS.
- 9. CONTRACTOR SHALL REFER TO ARCH. PLANS FOR EXACT LOCATIONS OF UTILITIES SERVICES TO NEW BUILDING. COORDINATE WITH LOCAL UTILITIES COMPANIES FOR SERVICE CONNECTIONS. PERMITS AS NECESSARY TO PERFORM UTILITY WORK IN ROW.
- 10. UTILITY INSTALLATION SHALL BE IN ACCORDANCE WITH COUNTY UTILITY STANDARDS FOR WATER, GAS



- CONNECT NEW SANITARY SEWER LATERAL TO EXISTING SEWER MANHOLE. MATCH EXISTING INVERT ELEVATION
- INSTALL NEW SANITARY SEWER CLEANOUT PER COUNTY SANITATION DISTRICT NO. 2-3
- SANITARY SEWER SERVICE ENTRY. SEE ARCH PLANS FOR EXACT LOCATION AND INVERT ELEVATION. PROVIDE 2%
- WATER SERVICE TO NEW BUILDING. SEE DRIVEWAY IMPROVEMENT UTILITY PLAN C4 FOR POINT OF CONNECTION TO EXISTING
- WATER SERVICE ENTRY. SEE ARCH PLANS FOR EXACT LOCATION.
- DRY UTILITY JOINT TRENCH TO MAIN BUILDING. SEE DRIVEWAY IMPROVEMENT UTILITY PLAN C4 FOR POINT OF
- CONNECTION TO GAS MAIN AND ELECTRICAL POWER POLE
- INSTALL NEW ELECTRICAL METER. SEE MECHANICAL PLAN FOR EXACT LOCATION AND SERVICE TO MAIN BUILDING.
- INSTALL NEW GAS METER. SEE MECHANICAL PLANS FOR EXACT LOCATION AND SERVICE TO MAIN BUILDING. CONTRACTOR SHALL COORDINATE WITH PG&E PRIOR ANY GAS WORK.
- BEGIN 4" STORM DRAIN PIPE TO DRAIN TO BUBBLE UP DRAIN.
- STORM DRAIN CLEANOUT PER DETAIL #10/C9
- BUBBLE UP DRAIN PER DETAIL #4B/C9
- INSTALL CLEANOUT PER DETAIL #10/C9 AND BEGIN/END 4" PERFORATED STORM DRAIN PIPE. SEE STRUCTURAL PLAN FOR





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DATE: 09/28/2022 DESIGNED: HCL DRAWN: REVIEWED:

20220030

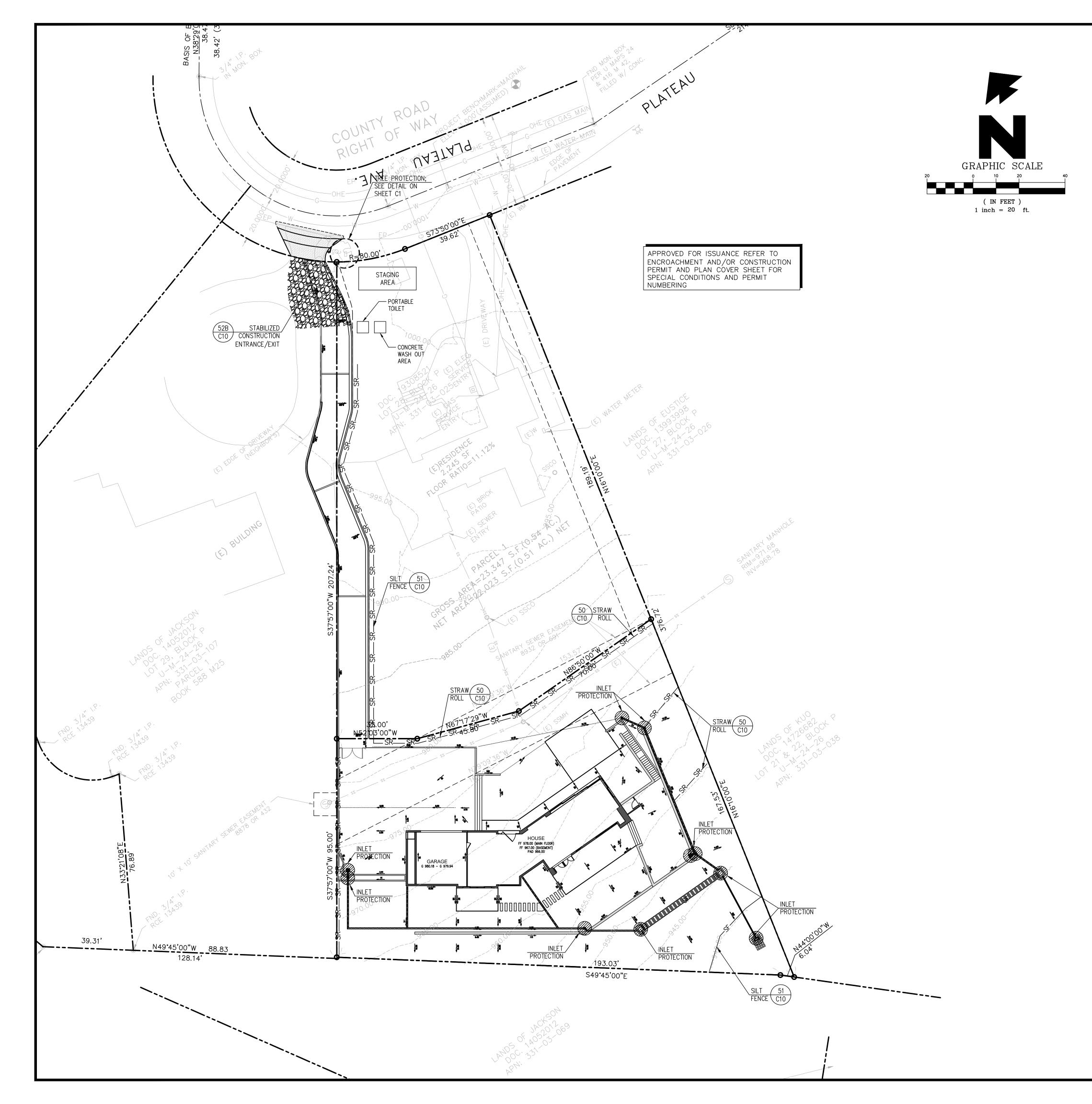
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JOB NO.:

APPROVED FOR ISSUANCE REFER TO ENCROACHMENT AND/OR CONSTRUCTION PERMIT AND PLAN COVER SHEET FOR SPECIAL CONDITIONS AND PERMIT

NUMBERING

7 OF 13 SHEETS



EROSION AND SEDIMENT CONTROL NOTES AND MEASURES:

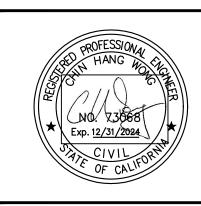
- 1. THE FACILITIES SHOWN ON THIS PLAN ARE DESIGNED TO CONTROL EROSION AND SEDIMENT DURING THE RAINY SEASON, OCTOBER 1 TO APRIL 30. FACILITIES ARE TO BE OPERABLE PRIOR TO OCTOBER 1 OF ANY YEAR. GRADING OPERATIONS DURING THE RAINY SEASON, WHICH LEAVE DENUDED SLOPES SHALL BE PROTECTED WITH EROSION CONTROL MEASURES IMMEDIATELY FOLLOWING GRADING ON THE SLOPES.
- 2. THIS PLAN COVERS ONLY THE FIRST WINTER FOLLOWING GRADING WITH ASSUMED SITE CONDITIONS AS SHOWN ON THE EROSION CONTROL PLAN. PRIOR TO SEPTEMBER 15, THE COMPLETION OF SITE IMPROVEMENT SHALL BE EVALUATED AND REVISIONS MADE TO THIS PLAN AS NECESSARY WITH THE APPROVAL OF THE TOWN ENGINEER.
- 3. DURING WINTER MONTHS, ALL DISTURBED SLOPES GREATER THAN 2:1 SHALL HAVE MANDATORY EROSION CONTROL FABRIC.
- 4. INLET PROTECTION SHALL BE INSTALLED AT OPEN INLETS TO PREVENT SEDIMENT FORM ENTERING THE STORM DRAIN SYSTEM. INLETS NOT USED IN CONJUNCTION WITH EROSION CONTROL ARE TO BE BLOCKED TO PREVENT ENTRY OF SEDIMENT.
- 5. THIS EROSION AND SEDIMENT CONTROL MEASURES MAY NOT COVER ALL THE SITUATIONS THAT MAY ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. VARIATIONS AND ADDITIONS MAY BE MADE TO THIS PLAN IN THE FIELD. NOTIFY THE TOWN REPRESENTATIVE OF ANY FIELD CHANGES.
- 6. THIS PLAN IS INTENDED TO BE USED FOR INTERIM EROSION AND SEDIMENT CONTROL ONLY AND IS NOT TO BE USED FOR FINAL ELEVATIONS OR PERMANENT IMPROVEMENTS OF FUTURE CONSTRUCTION.
- 7. CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING EROSION AND SEDIMENT CONTROL PRIOR, DURING, AND AFTER STORM EVENTS.
- REASONABLE CARE SHALL BE TAKEN WHEN HAULING ANY EARTH, SAND, GRAVEL, STONE, DEBRIS, PAPER OR ANY OTHER SUBSTANCE OVER ANY PUBLIC STREET, ALLEY OR OTHER PUBLIC PLACE. SHOULD ANY BLOW, SPILL, OR TRACK OVER AND UPON SAID PUBLIC OR ADJACENT PRIVATE PROPERTY, IMMEDIATE REMEDY SHALL OCCUR.
- 9. SANITARY FACILITIES SHALL BE MAINTAINED ON THE SITE.
- 10. DURING THE RAINY SEASON, ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT LADEN RUNOFF TO ANY STORM DRAINAGE SYSTEMS, INCLUDING EXISTING DRAINAGE SWALES AND WATER COURSES.
- 11. DEMOLITION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION WILL BE MINIMIZED. STATE AND LOCAL LAWS CONCERNING POLLUTION ABATEMENT SHALL BE COMPLIED WITH.
- 12. CONTRACTORS SHALL PROVIDE DUST CONTROL AS REQUIRED BY THE APPROPRIATE FEDERAL, STATE, AND LOCAL AGENCY REQUIREMENTS.
- 13. WITH THE APPROVAL OF THE TOWN INSPECTOR, EROSION AND SEDIMENT CONTROLS MAYBE REMOVED AFTER AREAS ABOVE THEM HAVE BEEN STABILIZED.
- 14. THE CONTRACTOR SHALL ADHERE TO NPDES (NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM) BEST MANAGEMENT PRACTICES (BMP) FOR SEDIMENTATION PREVENTION AND EROSION CONTROL TO PREVENT DELETERIOUS MATERIALS OR POLLUTANTS FROM ENTERING THE TOWN OR COUNTY STORM DRAIN SYSTEMS.
- 15. THE CONTRACTOR SHALL ASSUME THE CONCEPTS ON THE EROSION CONTROL PLAN ARE SCHEMATIC MINIMUM REQUIREMENTS, THE FULL EXTENT OF WHICH IS TO BE DETERMINED BY THE CONTRACTOR.
- 16. SITE CONDITIONS AT TIME OF PLACEMENT OF EROSION CONTROL MEASURES WILL VARY. THE CONTRACTOR SHALL ADJUST EROSION CONTROL MEASURES AS THE SITE CONDITIONS CHANGE AND AS THE NEED OF CONSTRUCTION SHIFT TO PREVENT EROSION AND SEDIMENTATION FROM LEAVING SITE.
- 17. THE CONTRACTOR MUST INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO THE INCEPTION OF ANY WORK ONSITE AND MAINTAIN THE MEASURES UNTIL THE COMPLETION OF ALL LANDSCAPING.
- 18. THE CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, CLEAN DUST FREE AND SANITARY CONDITION AT ALL TIMES AND TO THE SATISFACTION OF THE TOWN INSPECTOR. THE ADJACENT STREET SHALL BE KEPT CLEAN OF DEBRIS, WITH DUST AND OTHER NUISANCE BEING CONTROLLED AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CLEAN UP ON ADJACENT STREETS AFFECTED BY THEIR CONSTRUCTION, METHOD OF STREET CLEANING SHALL BE BY DRY SWEEPING OF ALL PAVED AREAS. NO STOCKPILING OF BUILDING MATERIALS WITHIN THE TOWN'S RIGHT—OF—WAY.
- 9. SEDIMENTS AND OTHER MATERIALS SHALL NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONTRACTOR SHALL INSTALL A STABILIZED CONSTRUCTION ENTRANCE PRIOR TO THE INCEPTION OF ANY WORK ONSITE AND MAINTAIN IT FOR THE DURATION OF THE CONSTRUCTION PROCESS SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC RIGHT—OF—WAY UNTIL THE COMPLETION OF ALL LANDSCAPING.
- 20. THE CONTRACTOR SHALL PROTECT DOWN SLOPE DRAINAGE COURSES, STREAMS AND STORM DRAINS WITH ROCK FILLED SAND BAGS, TEMPORARY SWALES, SILT FENCES, AND EARTH PERMS IN CONJUNCTION WITH PROPERLY INSTALLED INLET FILTERS.
- 21. ALL EXPOSED SLOPES THAT ARE NOT VEGETATED SHALL BE HYDROSEEDED. IF HYDROSEEDING IS NOT USED OR IS NOT EFFECTIVE BY OCTOBER 1ST, THEN OTHER IMMEDIATE METHODS SHALL BE IMPLEMENTED, SUCH AS EROSION CONTROL BLANKET. HYDROSEEDING SHALL BE IN ACCORDANCE WITH THE PROVISION OF SECTION 20 "EROSION CONTROL AND HIGHWAY PLANTING" OF THE STANDARD SPECIFICATION OF THE STATE OF CALIFORNIA OF TRANSPORTATION, AS LAST REVISED.
- 22. STOCKPILED MATERIAL SHALL BE COVERED WITH VISQUEEN OR A TARPAULIN UNTIL THE MATERIAL IS REMOVED FROM THE SITE. ANY REMAINING BARE SOIL THAT EXISTS AFTER THE STOCKPILE HAS BEEN REMOVED SHALL BE COVERED UNTIL A NATURAL GROUND COVER IS ESTABLISHED OR IT MAY BE SEEDED OR PLANTED TO PROVIDE GROUND COVER PRIOR TO THE FALL RAINY
- 23. EXCESS OR WASTE CONCRETE MUST NOT BE WASHED INTO THE PUBLIC RIGHT-OF-WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
- 24. TRASH AND CONSTRUCTION RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION AND DISPERSAL BY WIND.
- 25. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MUST NOT BE WASHED INTO THE DRAINAGE SYSTEM.
- 26. DUST CONTROL SHALL BE DONE BY WATERING AND AS OFTEN AS REQUIRED BY THE COUNTY INSPECTOR.
- 27. SILT FENCE(S) AND/OR FIBER ROLL(S) SHALL BE INSTALLED PRIOR TO SEPTEMBER 15 AND SHALL REMAIN IN PLACE UNTIL TH LANDSCAPING GROUND COVER IS INSTALLED. CONTRACTOR SHALL CONTINUOUSLY MONITOR THESE MEASURES, FOLLOWING AND DURING ALL RAIN EVENTS, TO ENSURE THEIR PROPER FUNCTION.
- 28. IF HYDROSEEDING IS NOT USED, THEN OTHER METHODS SHALL BE IMPLEMENTED, SUCH AS EROSION CONTROL BLANKETS, OR A THREE—STEP APPLICATION OF: 1) SEED, MULCH, FERTILIZER 2) BLOWN STRAW 3) TACKIFIER AND MULCH. CONTACT TOWN OF HILLSBOROUGH FOR APPROVED SEED MIX. UTILIZE EROSION FABRIC ON DISTURBED SLOPES GREATER THAN 2:1.

MAINTENANCE NOTES:

- 1. MAINTENANCE IS TO BE PERFORMED AS FOLLOWS:
- A. REPAIR DAMAGES CAUSED BY SOIL EROSION OR CONSTRUCTION AT THE END OF EACH WORKING DAY.
- B. SWALES SHALL BE INSPECTED PERIODICALLY AND MAINTAINED AS NEEDED.
- C. SEDIMENT TRAPS, BERMS, AND SWALES ARE TO BE INSPECTED AFTER EACH STORM AND REPAIRS MADE AS NEEDED.
- D. SEDIMENT SHALL BE REMOVED AND SEDIMENT TRAPS RESTORED TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO A DEPTH OF ONE FOOT.
- E. SEDIMENT REMOVED FROM TRAP SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
- F. RILLS AND GULLIES MUST BE REPAIRED.

EROSION CONTROL PLAN NARAYANAN RESIDENCE 1556 PLATEAU AVENUE LOS ALTOS, CA 94024

NYL ENGINEERING, INC NFO@GREEN-CE.COM 1900 S. NORFOLK ST. SUITE #350



SCALE

VERTICAL: 1"= AS SHOWN

HORIZONTAL: 1"= AS SHOWN

DATE: 09/28/2022

DESIGNED: HCL

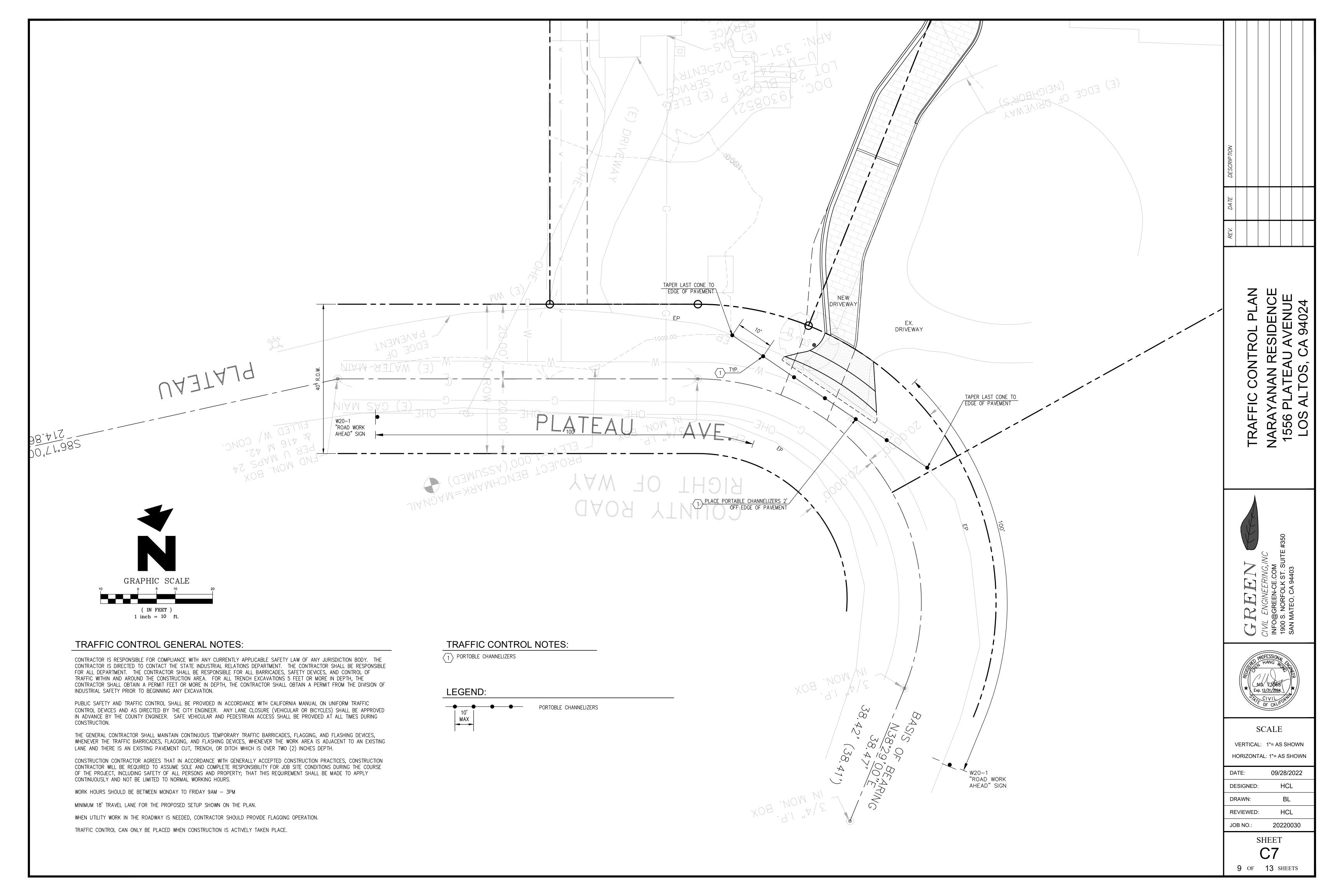
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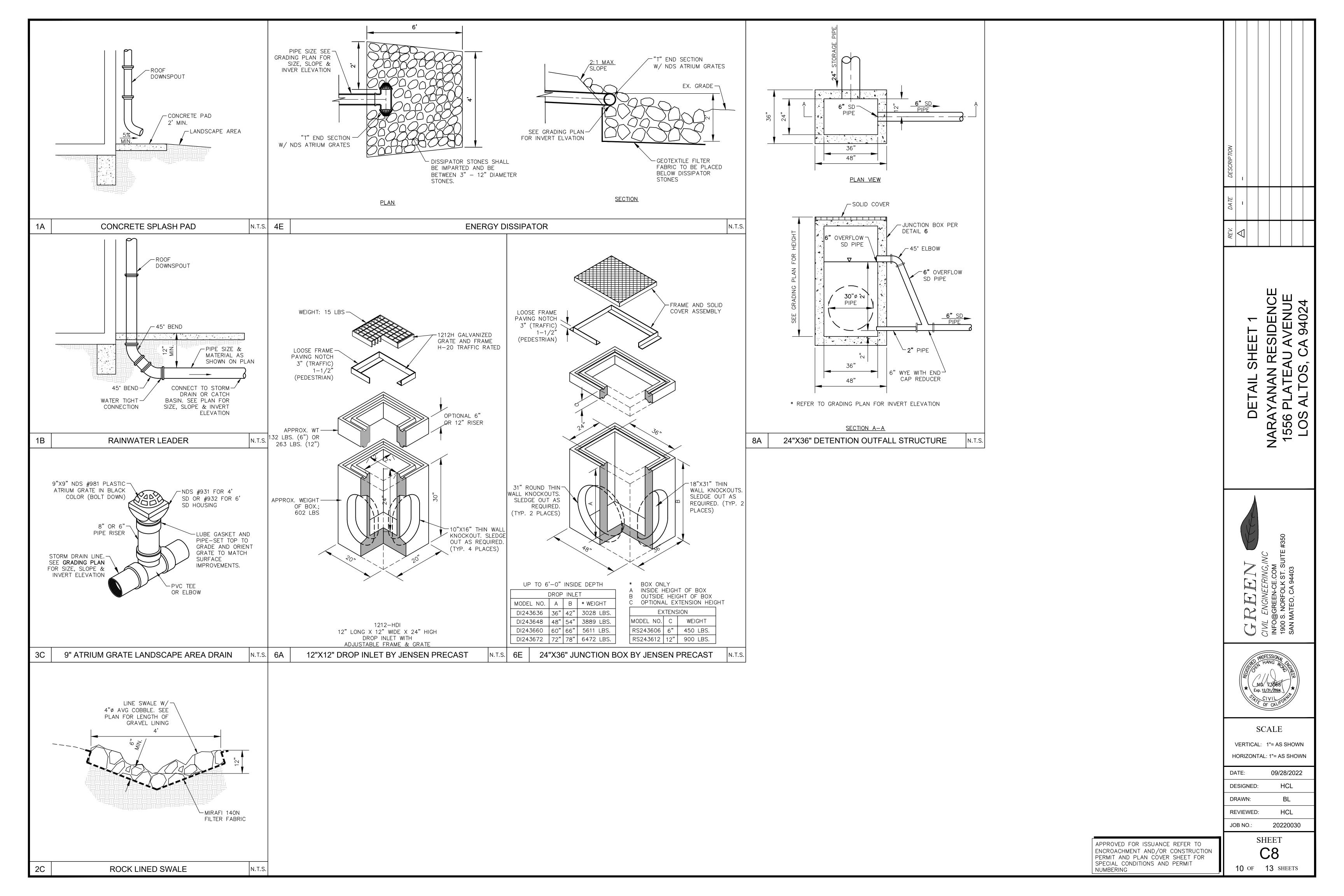
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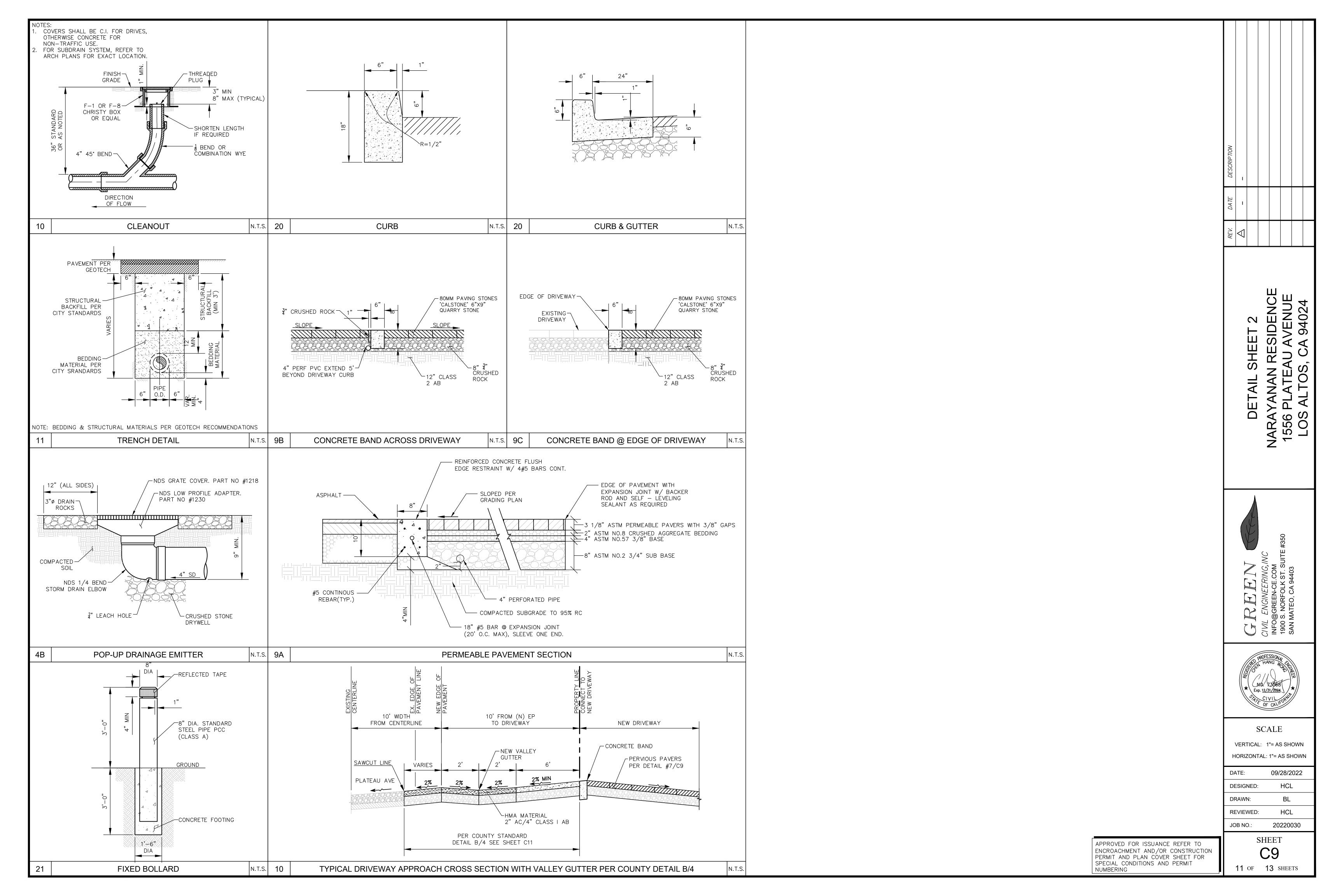
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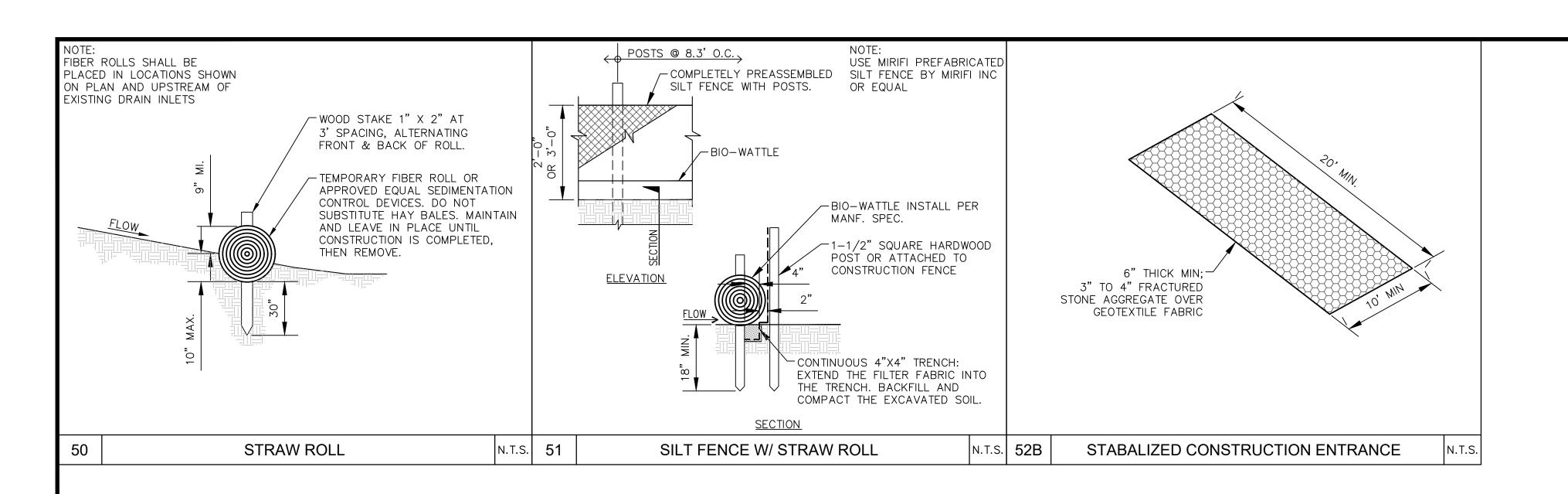
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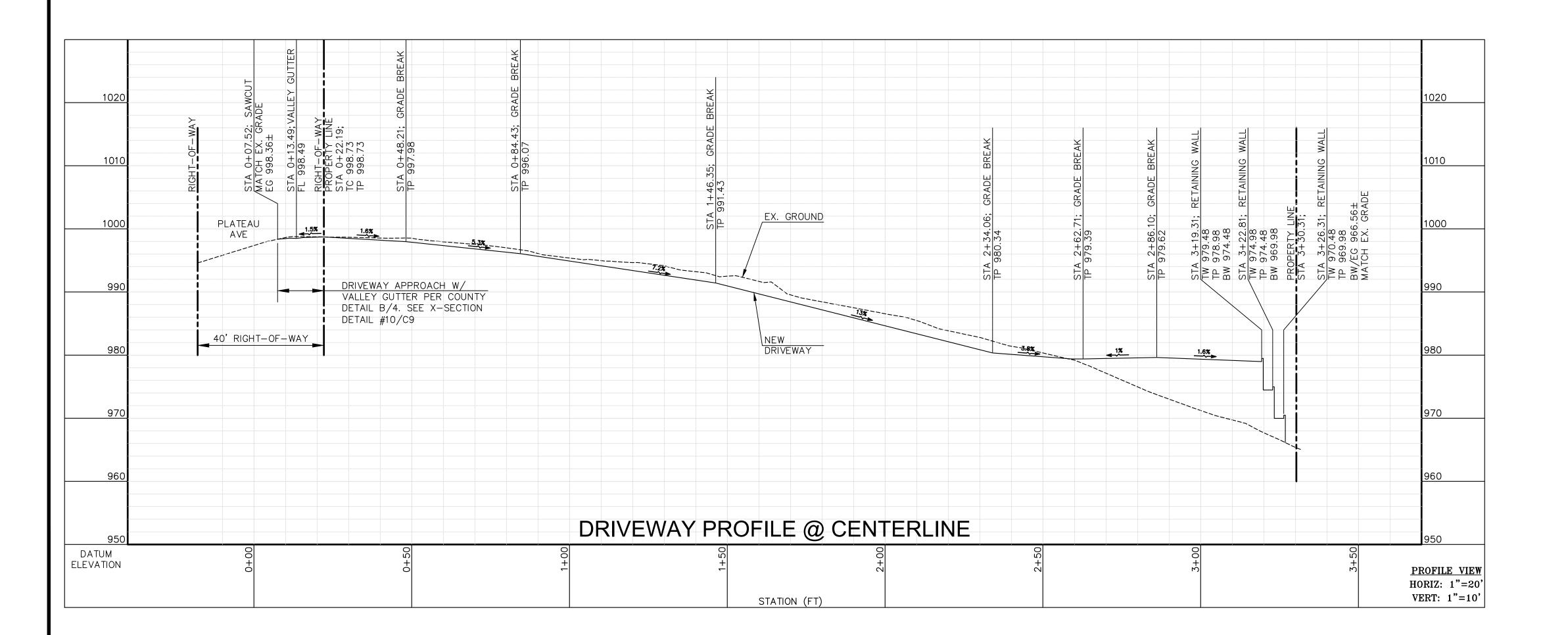
8 OF 13 SHEETS

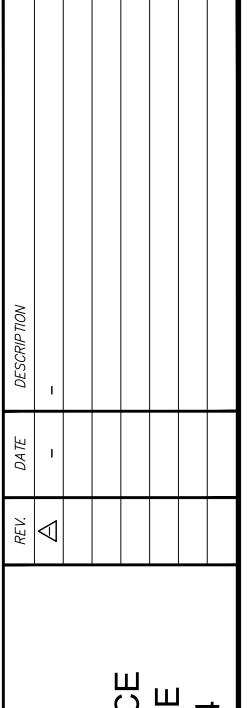






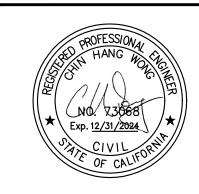






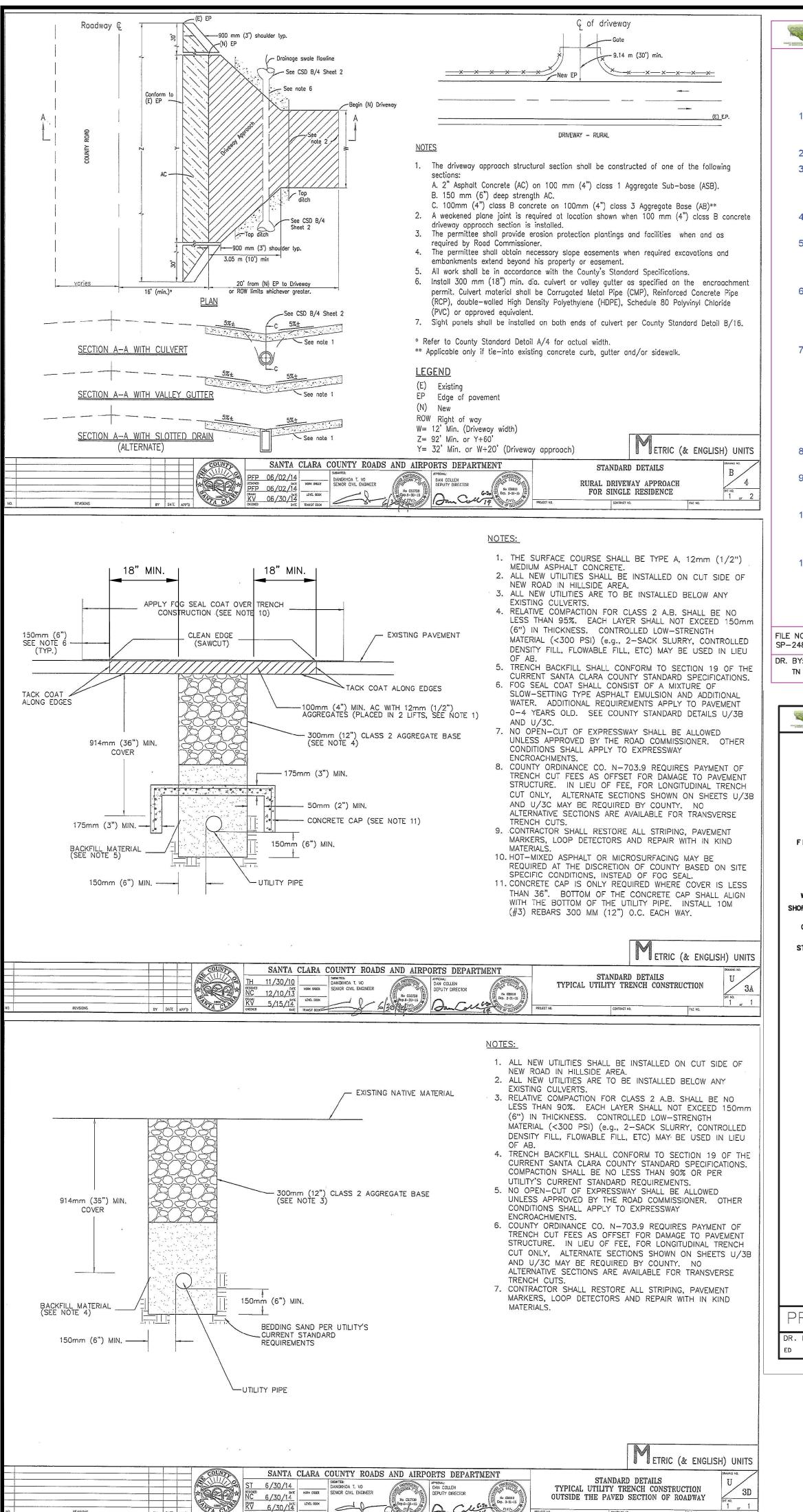
DETAIL SHEET 3
NARAYANAN RESIDE
1556 PLATEAU AVEN
LOS ALTOS, CA 940





DATE:	09/28/2022
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12 OF 13 SHEETS

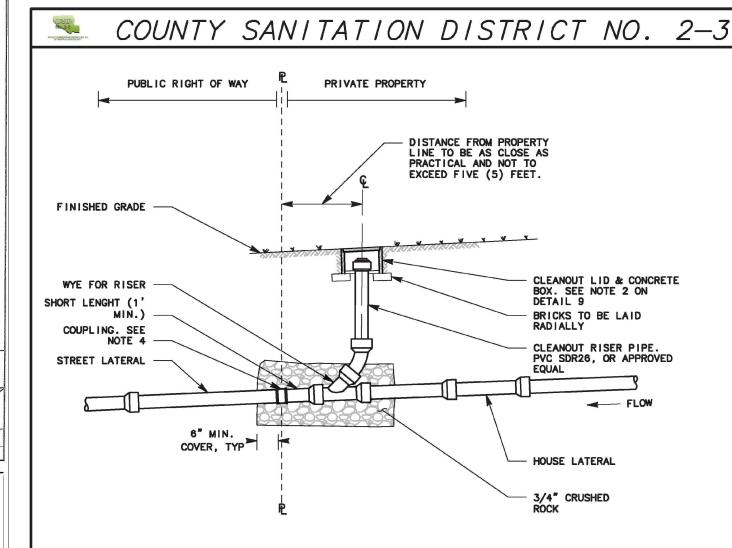


COUNTY SANITATION DISTRICT No. 2-3

COUNTY SANITATION DISTRICT SANITARY SEWER NOTES

- All work shall be constructed in accordance with these plans, the current County Sanitation District Standard Specifications and Construction Details, and be installed in accordance with Manufacturers' requirements and specifications.
- 2. All work shall comply with all current local, state and federal requirements.
- 3. All excavation, backfill, and pavement section within street right-of-way shall be done in accordance with the requirements of the Engineer of the Public Agency having jurisdiction and District Standard Specifications and Details. In case of conflict between Public Agency and District, Agency's requirements shall take precedence.
- 4. Agency's Encroachment Permits shall be obtained and a copy shall be on the job during
- Fill material shall be compacted to a minimum of two and one half (2.5) feet above the top of pipe elevation by methods that will not damage the pipe or two (2) slurry mix. Fill material must attain a minimum of ninety five percent (95%) relative compaction in pavement areas in accordance with the State of California Standard Specifications.
- 6. The District Engineer shall be notified two (2) working days in advance of starting construction, 20863 Stevens Creek Boulevard, Suite 100, Cupertino, CA 95014 (408) 253-7071. At that time, traffic plans, encroachment permits and the sewer diversion plans shall be submitted to the District Engineer. Sewer diversion plans shall include sewage bypass and emergency plans. Work shall not begin until the District Engineer has provided written acceptance of these plans.
- 7. One (1) sanitary sewer lateral shall be installed for each lot, residential unit or building with a cleanout. Location of lateral and property corners to be staked in field at the same time the sewer main is staked for construction. Laterals shall not be laid on less than two percent (2%) grade and shall have a minimum cover of four and one half (4.5) feet at property line or edge of sanitary sewer easement. Laterals shall be deeper than four and one half (4.5) feet when directed by District Engineer. Laterals shall not be extended beyond the street right-of-way line or sanitary sewer easement line until the main has been tested. Lateral sewers constructed outside of the public street or County Sanitation District Easement shall be constructed in accordance with the requirements of, and shall be inspected by the City Building Department.
- Existing laterals to be abandoned (or not used) shall be removed to the wye, capped and concrete collar minimum of 6" all around.
- The Contractor performing work on the sanitary sewers shall be required to register with the District and provide insurance as specified in Sections 1.39 and 1.40 of the District's Standard
- 10. The Developer and General Contractor shall be responsible for protection of all existing improvements including existing sanitary sewer facilities that are to remain and if damaged during construction of the proposed improvements, shall be repaired to the satisfaction of the County Sanitation District and other affected agencies.
- 11. Channels of all District manholes within the construction area shall be protected by plywood covers, placed in the manholes and manhole castings shall be adjusted to final grade in accordance with the Standard Specifications of the County Sanitation District or as directed by the District Engineer.





- 1. DETAIL TO BE USED ON NEW SANITARY SEWER LATERAL INSTALLATIONS. FOR NEW CLEANOUT INSTALLATION ON EXISTING LATERALS, SEE DETAIL 9.
- 2. 2% MINIMUM PIPE SLOPE, TYP.
- LATERAL SEWER CLEANOUT TO BE SAME SIZE AS SEWER LATERAL. AT LEAST 6" CLEARANCE BETWEEN VALVE CAP AND INSIDE OF BOX.
 - 5. CONNECT HOUSE/PRIVATE LATERAL TO EXISTING STREET LATERAL WITH MISSION CLAY "SHEAR RING", OR FERNCO "ARC SHIELDED" COUPLING, OR APPROVED EQUAL 6. INSPECTION INFORMATION
 - 6.1. CONTACT DISTRICT OFFICE FOR LATERAL/CLEANOUT LOCATION AT (408)253-7071
 - NOTIFY DISTRICT INSPECTOR 48 HOURS PRIOR TO CONSTRUCTION
 - BACKFILLING FOR FINAL APPROVAL FINAL INSPECTION CONSISTS OF CLOSED CIRCUIT VIDEO INSPECTION OF POINT OF CONNECTION AND LOWER LATERAL TO CONFIRM DEBRIS HAS NOT

CONTACT DISTRICT INSPECTOR FOR VISUAL INSPECTION PRIOR TO

ENTERED SEWER SYSTEM

PROP	ERTY L	INE	CLEANOL	JT ON	NEW	LATERAL	DE	TAIL 7
DR. BY: ED	DATE: 08/30/2017	CK. BY:	DATE: 10/20/2017	APPROVED. BY	: PEE	Jan 1	DATE:	10/25/2017

COUNTY SANITATION DISTRICT No. 2-3

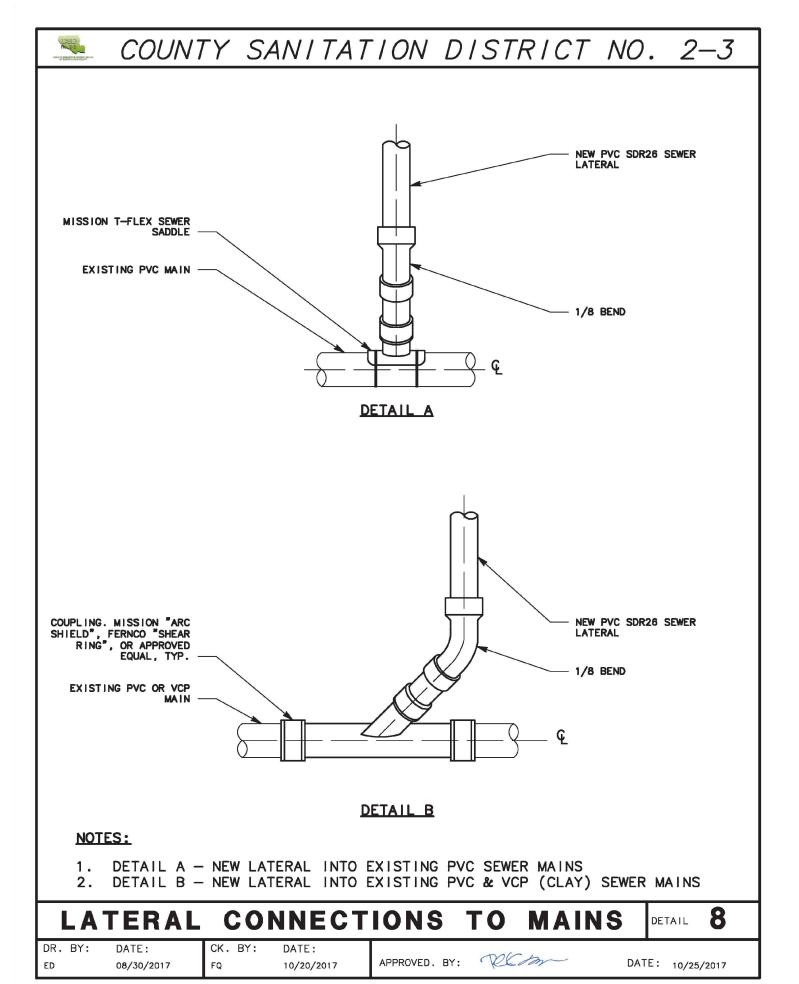
- 12. The Developer and General Contractor shall be responsible for the prevention of construction debris entering the existing sanitary sewer system due to the construction activities associated with this project and the Developer and Contractor shall pay all costs associated with the release of construction debris into the existing sanitary sewer system due to the construction activities associated with this project.
- 13. The Developer and General Contractor shall be responsible for the prevention of a sewage spill associated the Contractors activities and shall pay all costs associated with the release of sewage into surface drainage system and downstream surface waters.
- 14. Utility Notification:
- a. Underground Service Alert 800-227-2600
- b. Storm Drains City

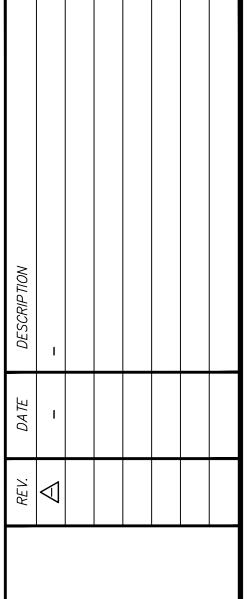
"SANITARY SEWER".

- c. Sanitary Sewers County Sanitation District
- 14. Contractor shall pothole and verify location and depth of all existing utilities crossing new sewer main or lateral construction.
- 15. All Sanitary Sewer Pipes shall be PVC-SDR26 or approved equal, unless otherwise specified by the District Engineer.
- 16. Access for pedestrians and vehicles shall be provided at all times unless approved in writing by the
- District Engineer. 17. Sanitary Sewer Manholes, Flushing Inlets and Cleanouts shall be marked with "SANITARY" or
- 18. At the Developer/General Contractor's expense, Closed Circuit Video Inspection of mains, laterals and property line clean-outs is required. When the use of an existing lateral is proposed, an additional video inspection is required prior to construction to verify that it meets the current District

Approval of these plans by County Sanitation District does not relieve the Developer/General Contractor of the responsibility for the correction of mistakes, errors, or omissions. If, during the course of construction of the sanitary sewers the public interest requires a modification of, or a departure from the District Specifications and/or Details, the District Engineer shall have the authority to require such modifications or departure and to specify the manner in which the modifications or departure is to be

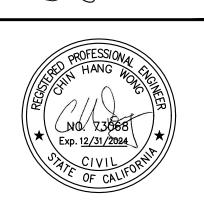






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SCALE VERTICAL: 1"= AS SHOWN HORIZONTAL: 1"= AS SHOWN

09/28/2022 DATE: HCL DESIGNED: DRAWN: HCL REVIEWED: JOB NO.: 20220030

APPROVED FOR ISSUANCE REFER TO ENCROACHMENT AND/OR CONSTRUCTION PERMIT AND PLAN COVER SHEET FOR SPECIAL CONDITIONS AND PERMIT

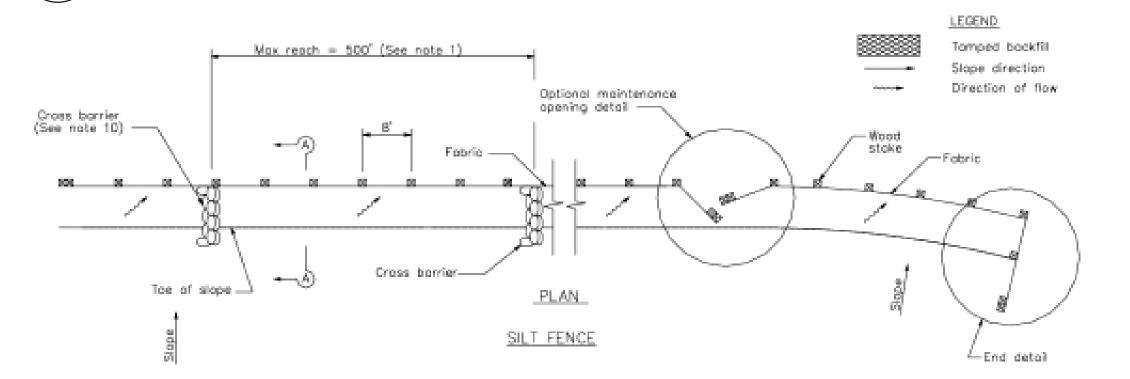
NUMBERING

SHEET **13** OF **13** SHEETS 50' Min

or four times the circumference

of the largest construction vehicle tire,

whichever is greater



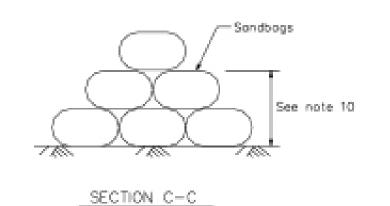
Silt Fence

CASQA Detail SE-1

NOTES

- 1. Construct the length of each reach so that the change in base elevation along the reach does not exceed 1/3 the height of the linear borrier, in no case shall the reach length exceed 500
- The last 8'-0" of fence shall be turned up slope.
- 3. Stake dimensions are naminal.
- 4. Dimension may very to fit field condition.
- 5. Stakes shall be spaced at 8'-0" maximum and shall be positioned on downstream side of fence.
- 6. Stakes to overlap and fence fabric to fold around each stake one full turn. Secure fabric to stake with 4 staples.
- 7. Stokes shall be driven tightly together to prevent potential flow-through of sediment at joint. The tops of the stakes
- 8. For end stake, fence fabric shall be folded around two stakes one full turn and secured with 4 staples.
- Minimum 4 staples per stake. Dimensions shown are typical.
- 10. Cross barriers shall be a minimum of 1/3 and a maximum of 1/2 the height of the linear barrier.
- 11. Maintenance openings shall be constructed in a manner to ensure sediment remains behind silt fence.
- 12. Joining sections shall not be placed at sump locations.
- 13. Sandbag rows and layers shall be offset to eliminate gaps.

CROSS BARRIER DETAIL

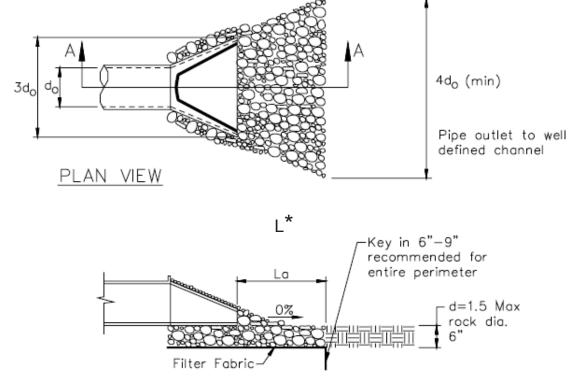


(SEE NOTE 11)

Velocity Dissipation Devices

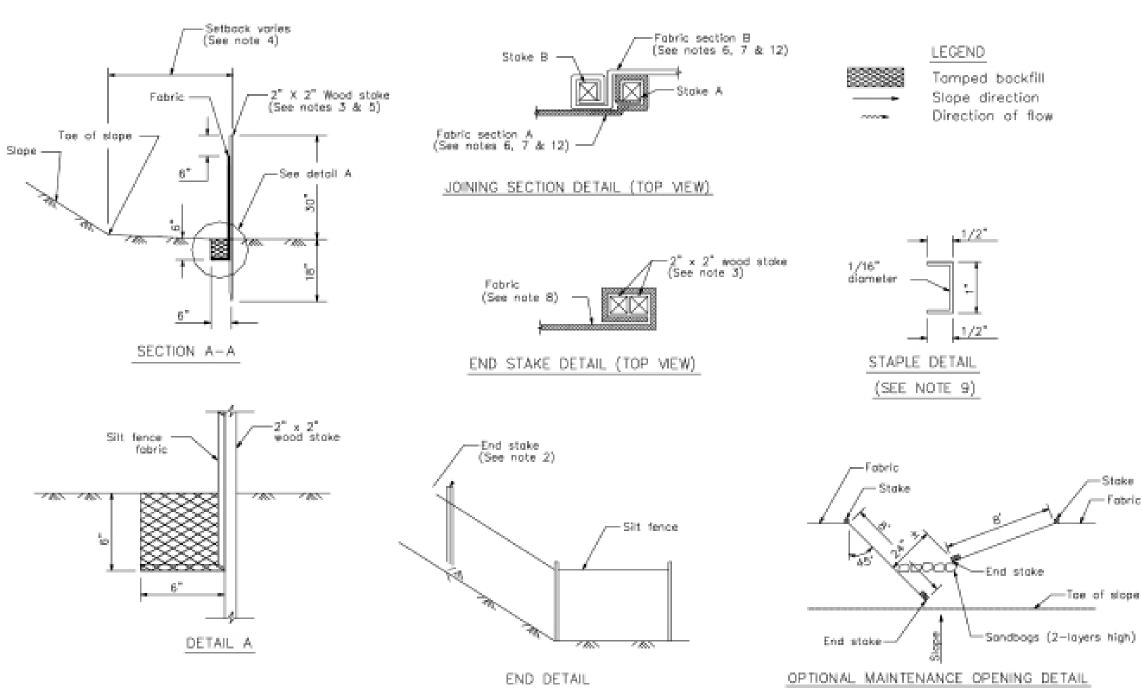
Existing

Grade



CASQA Detail EC-10

SECTION A-A * Length per ABAG Design Standards



Silt Fence

CASQA Detail SE-1

STANDARD BEST MANAGEMENT PRACTICE NOTES

- 1. Solid and Demolition Waste Management: Provide designated waste collection areas and containers on site away from streets, gutters, storm drains, and waterways, and arrange for regular disposal. Waste containers must be watertight and covered at all times except when waste is deposited. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C3) or
- 2. <u>Hazardous Waste Management</u>: Provide proper handling and disposal of hazardous wastes by a licensed hazardous waste material hauler. Hazardous wastes shall be stored and properly labeled in sealed containers constructed of suitable materials Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-5 to C-6) or latest.
- 3. <u>Spill Prevention and Control</u>: Provide proper storage areas for liquid and solid materials, including chemicals and hazardous substances, away from streets, gutters, storm drains, and waterways. Spill control materials must be kept on site where readily accessible. Spills must be cleaned up immediately and contaminated soil disposed properly. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-7 to C-8, C-13 to C-14) or latest.
- 4. <u>Vehicle and Construction Equipment Service and Storage</u>: An area shall be designated for the maintenance, where onsite maintenance is required, and storage of equipment that is protected from stormwater run-on and runoff. Measures shall be provided to capture any waste oils, lubricants, or other potential pollutants and these wastes shall be properly disposed of off site. Fueling and major maintenance/repair, and washing shall be conducted off-site whenever feasible. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C9) or latest.
- 5. Material Delivery, Handling and Storage: In general, materials should not be stockpiled on site. Where temporary stockpiles are necessary and approved by the County, they shall be covered with secured plastic sheeting or tarp and located in designated areas near construction entrances and away from drainage paths and waterways. Barriers shall be provided around storage areas where materials are potentially in contact with runoff. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-11 to C-12) or latest.
- 6. <u>Handling and Disposal of Concrete and Cement</u>: When concrete trucks and equipment are washed on-site, concrete wastewater shall be contained in designated containers or in a temporary lined and watertight pit where wasted concrete can harden for later removal. If possible have concrete contractor remove concrete wash water from site. In no case shall fresh concrete be washed into the road right-of-way. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-15 to C-16) or latest.
- . <u>Pavement Construction Management</u>: Prevent or reduce the discharge of pollutants from paving operations, using measures to prevent run-on and runoff pollution and properly disposing of wastes. Avoid paving in the wet season and reschedule paving when rain is in the forecast. Residue from saw-cutting shall be vacuumed for proper disposal. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-17 to C-18) or latest.
- 6. Contaminated Soil and Water Management: Inspections to identify contaminated soils should occur prior to construction and at regular intervals during construction. Remediating contaminated soil should occur promptly after identification and be specific to the contaminant identified, which may include hazardous waste removal. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-19 to C-20) or
- . <u>Sanitary/Septic Water Management</u>: Temporary sanitary facilities should be located away from drainage paths, waterways, and traffic areas. Only licensed sanitary and septic waste haulers should be used. Secondary containment should be provided for all sanitary facilities. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C-21) or
- 10. Inspection & Maintenance: Areas of material and equipment storage sites and temporary sanitary facilities must be inspected weekly. Problem areas shall be identified and appropriate additional and/or alternative control measures implemented immediately, within 24 hours of the problem being identified.

STANDARD EROSION CONTROL NOTES

1. Sediment Control Management

<u>Tracking Prevention & Clean Up</u>: Activities shall be organized and measures taken as needed to prevent or minimize tracking of soil onto the public street system. A gravel or proprietary device construction entrance/exit is required for all sites. Clean up of tracked material shall be provided by means of a street sweeper prior to an approaching rain event, or at least once at the end of each workday that material is tracked, or, more frequently as determined by the County Inspector. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages B-31 to B-33) or latest.

Storm Drain Inlet and Catch Basin Inlet Protection: All inlets within the vicinity of the project and within the project limits shall be protected with gravel bags placed around inlets or other inlet protection. At locations where exposed soils are present, staked fiber roles or staked silt fences can be used. Inlet filters are not allowed due to clogging and subsequent flooding. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages B-49 to B-51) or latest.

Storm Water Runoff: No storm water runoff shall be allowed to drain in to the existing and/or proposed underground storm drain system or other above ground watercourses until appropriate erosion control measures are fully installed.

<u>Dust Control</u>: The contractor shall provide dust control in graded areas as required by providing wet suppression or chemical stabilization of exposed soils, providing for rapid clean up of sediments deposited on paved roads, furnishing construction road entrances and vehicle wash down areas, and limiting the amount of areas disturbed by clearing and earth moving operations by scheduling these activities in phases.

Stockpiling: Excavated soils shall not be placed in streets or on paved areas. Borrow and temporary stockpiles shall be protected with appropriate erosion control measures(tarps, straw bales, silt fences, ect.) to ensure silt does not leave the site or enter the storm drain system or neighboring watercourse.

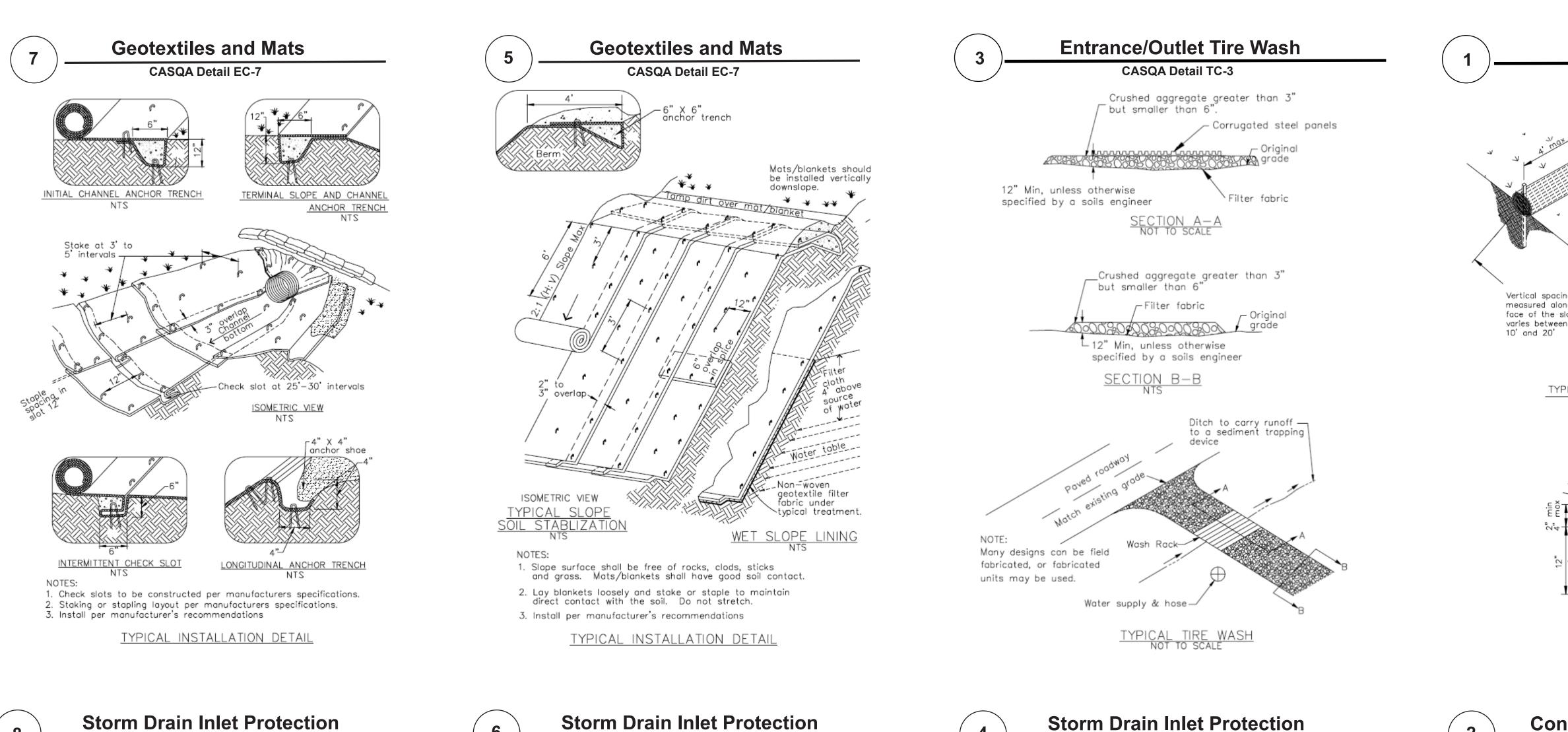
- 2. <u>Erosion Control</u>: During the rainy season, all disturbed areas must include an effective combination of erosion and sediment control. It is required that temporary erosion control measures are applied to all disturbed soil areas prior to a rain event. During the non-rainy season, erosion control measures must be applied sufficient to control wind erosion at the site.
- 3. <u>Inspection & Maintenance</u>: Disturbed areas of the Project's site, locations where vehicles enter or exit the site, and all erosion and sediment controls that are identified as part of the Erosion Control Plans must be inspected by the Contractor before, during, and after storm events, and at least weekly during seasonal wet periods. Problem areas shall be identified and appropriate additional and/ or alternative control measures implemented immediately, within 24 hours of the problem being identified.
- 4. Project Completion: Prior to project completion and signoff by the County Inspector, all disturbed areas shall be reseeded, planted, or landscaped to minimize the potential for erosion on the subject site.
- 5. It shall be the Owner's/Contractor's responsibility to maintain control of the entire construction operation and to keep the entire site in compliance with the erosion control plan.
- 6. Erosion and sediment control best management practices shall be operable year round or until vegetation is fully established on landscaped surfaces.

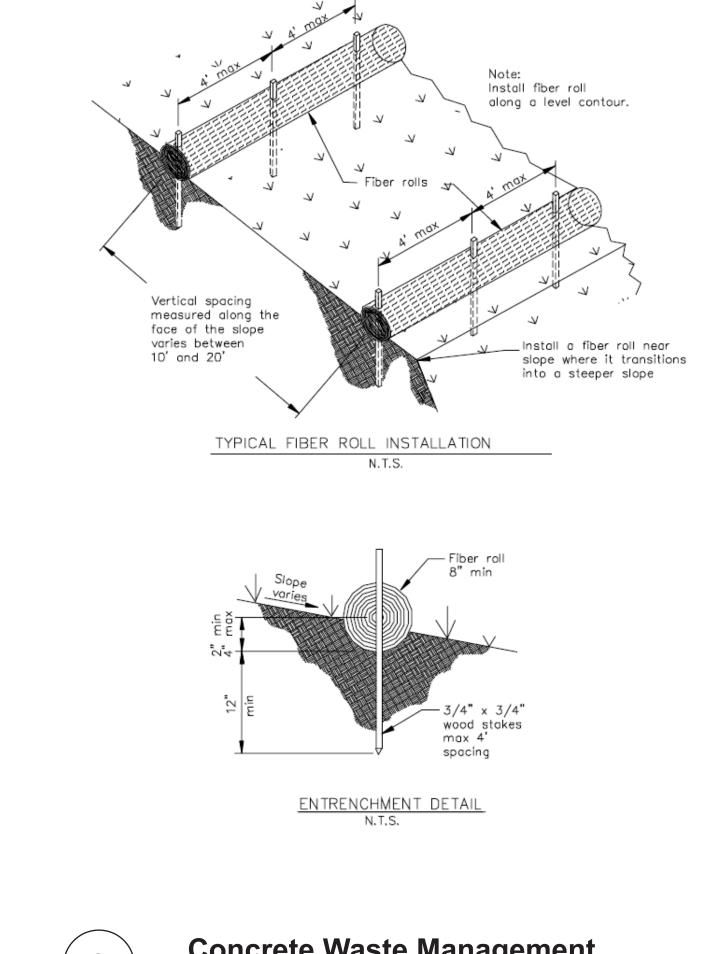
enn Plateau Information 99 Project

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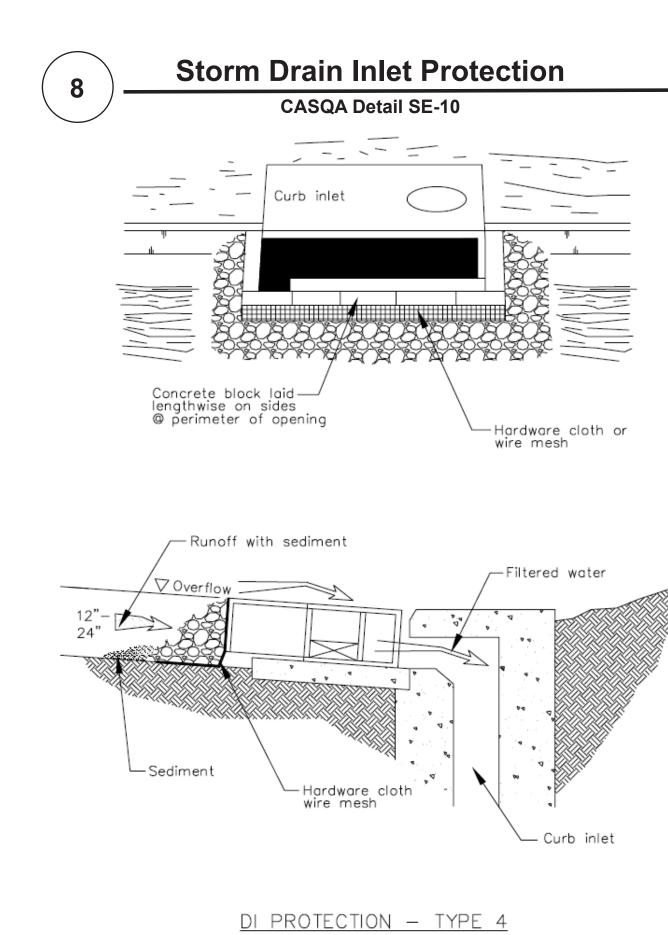
Source for Graphics: California Stormwater BMP Handbook, California Stormwater Quality Association, January 2003. Available from www.cabmphandbooks.com.





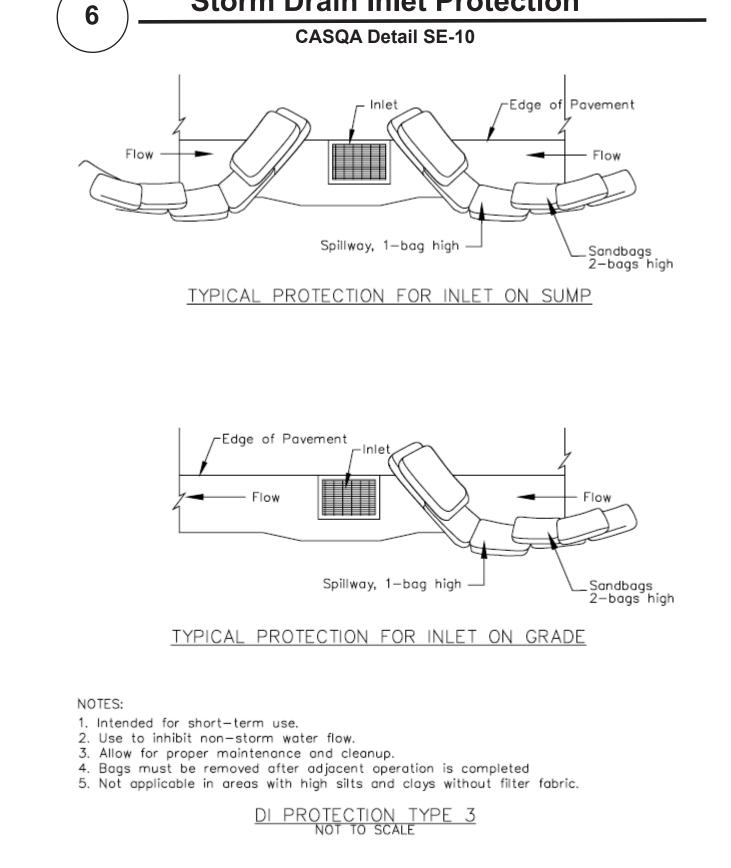
Fiber Rolls

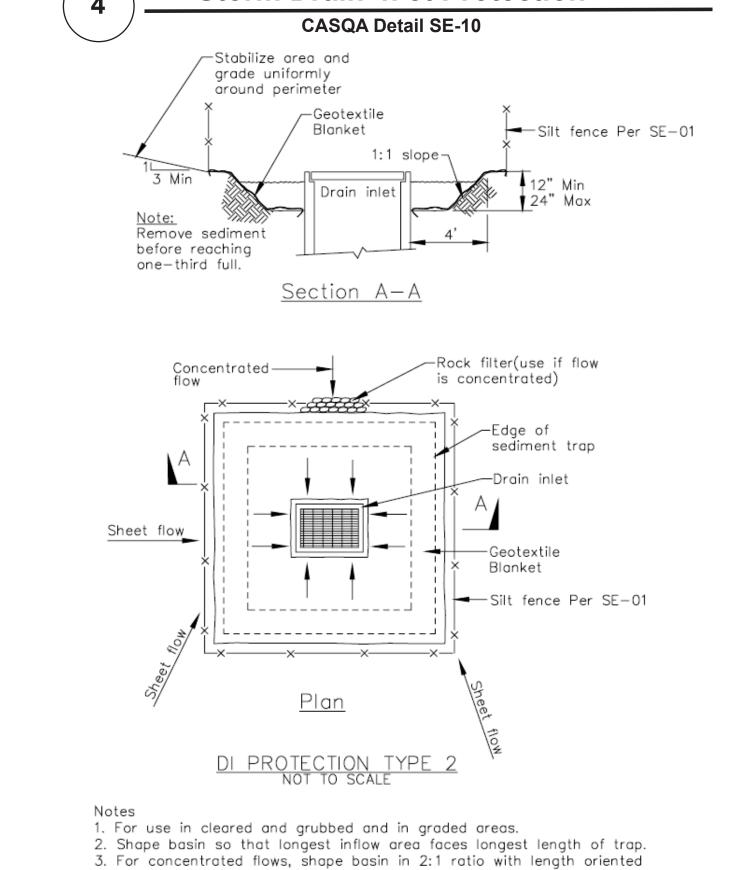
CASQA Detail SE-5



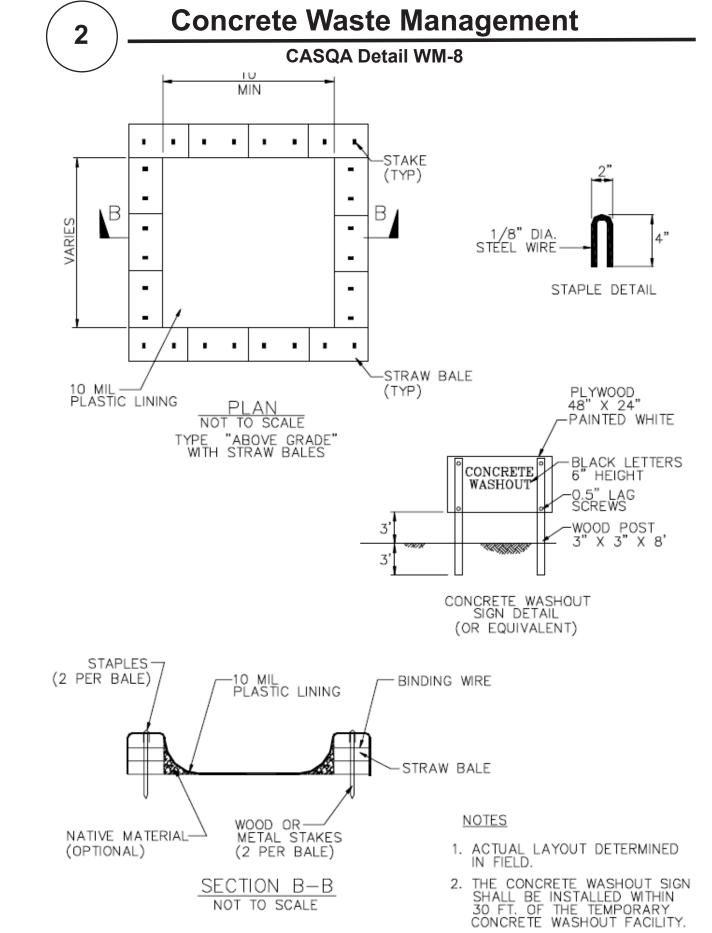
Source for Graphics: California Stormwater BMP Handbook, California

Stormwater Quality Association, January 2003. Available from www.cabmphandbooks.com.





towards direction of flow.



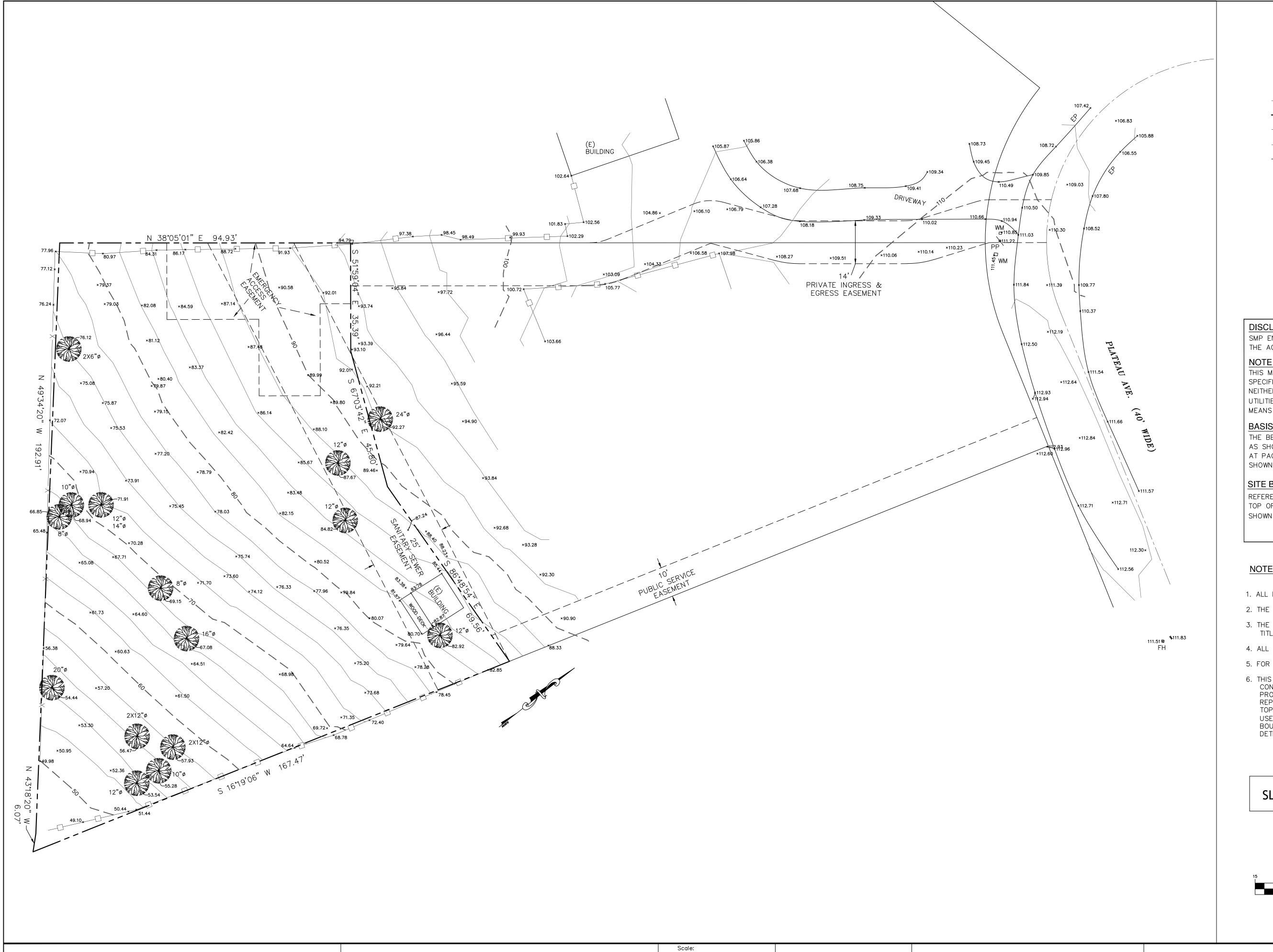
Best Management Practices and Erosion Control Details Sheet 2 County of Santa Clara



4

Plateau

Information



<u>LEGEND</u>

STREET CENTERLINE PROPERTY LINE WOOD FENCE METAL FENCE EASEMENT LINE WATER METER GAS METER ELECTRIC METER EDGE OF PAVEMENT POWER POLE SANITARY SEWER MANHOLE STORM DRAINAGE MANHOLE FIRE HYDRANT WATER VALVE

SMP ENGINEERS OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN.

THIS MAP REPRESENTS TOPOGRAPHY OF THE SURFACE FEATURES ONLY. UNLESS SPECIFIED ON THIS MAP, LOCATIONS OF THE UNDERGROUND UTILITIES ARE NEITHER INTENDED NOR IMPLIED. FOR THE LOCATIONS OF UNDERGROUND UTILITIES CALL "USA" (1-800-642-2444). SURFACE FEATURES ARE LOCATED BY MEANS OF A STATION AND OFFSET FROM THE CONTROL LINE.

BASIS OF BEARINGS:

THE BEARING N 73°50'00" W OF THE CENTERLINE OF PLATEAU AVE. AS SHOWN UPON CERTAIN PARCEL MAP, FILED FOR RECORD IN BOOK 883, AT PAGES 28-29, WAS TAKEN AS BASIS OF BEARINGS FOR ALL BEARINGS SHOWN HEREON.

SITE BENCHMARK:

REFERENCED ASSUMED B.M.:

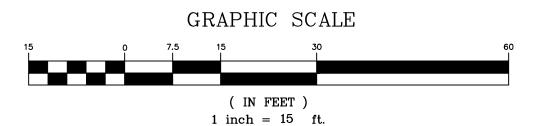
TOP OF WATER VALVE NEXT TO FIRE HYDRANT LOCATED AT PLATEAU AVE., AS SHOWN ON THIS MAP EL: 111.83'

NOTES:

- 1. ALL DIMENSIONS ARE GIVEN IN FEET AND DECIMALS THEREOF.
- 2. THE GROSS AREA OF LAND OF RECORD IS 20,150.25 SQ. FT. ±.
- 3. THE MAP WAS BASED ON A GRANT DEED DOC.# 21890099 BY FIRST AMERICAN TITLE CO. DATED 10/08/2012, RECORDED IN SANTA CLARA COUNTY.
- 4. ALL EXISTING BUILDINGS ARE WOOD.
- 5. FOR PRECISE SPECIES OF TREES A CERTIFIED ARBORIST SHALL BE CONSULTED.
- 6. THIS DRAWING REPRESENTS A TOPOGRAPHIC SURVEY PREPARED IN CONFORMANCE WITH THE REQUIREMENTS OF THE LAND SURVEYORS ACT. THE PROPERTY LINES SHOWN HEREON ARE COMPILED FROM RECORD DATA AND REPRESENT THE BEST GRAPHICAL FIT BETWEEN RECORD INFORMATION AND THE TOPOGRAPHICAL FEATURES SURVEYED AND SHOULD NOT BE RELIED UPON OR USED FOR ANY OTHER PURPOSES. PURSUANT TO THE CLIENT'S DIRECTION A BOUNDARY SURVEY WAS NOT PERFORMED AT THIS TIME WHICH MAY HAVE DETERMINED THE ACTUAL PROPERTY LINES.

SLOPE DENSITY =
$$\frac{0.0023 \times 2 \times 2555}{0.463}$$
 = 25.38%

SCALE 1"= 15'



1556 PLATEAU AVE. LOS ALTOS, CA 94024



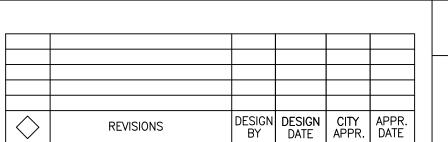
SMP ENGINEERS

CIVIL ENGINEERS-LAND SURVEYORS 1534 Carob Lane Los Altos, CA 94024 Tel. (650) 941-8055 Fax (650) 941-8755

Scale: 1" = 15' Prepared by: S.P. Checked by: S.P. Date: 11/10/2022 Project No: 222053

PRELIMINARY BOUNDARY AND TOPOGRAPHIC SURVEY MAP

T-1 Sheet No:



CITY OF LOS ALTOS

Water Efficient Landscaping and Irrigation Notes (adapted from § 492 of MWELO)

- 1. Irrigation system shall be installed in conformance with all applicable state and local codes and ordinances, by licensed contractors and experienced workers. The contractor shall coordinate with related contractors to complete the entire irrigation system, including the electrical hook-up for automatic controller. The contractor shall obtain and pay for all required permits and fees relating to the work.
- 2. The contractor shall verify all existing conditions and water pressure. The contractor shall verify the location of existing underground utilities and structures prior to the excavation of trenches or holes. Contractor is to repair any damage caused by or during the performance of this work at no additional cost to the owner.
- 3. The contractor shall make a point of connection as directed by the owner.
- 4. The contractor shall install complete and coordinated equipment. No partial substitutions or incomplete components shall be installed.
- 5. The contractor shall install a "design build" underground automatic irrigation system. Areas noted are valving guides only and are to illustrate different water requirements of microclimates. The system shall have 100% coverage for planting areas on the site. An as-built drawing is to be provided to the landscape architect upon completion and acceptance of the irrigation system. Locate spray heads 24" from buildings and 12" from paving. Use MPR series nozzles by Hunter on spray bodies to match existing standards.
- 6. Trenching is to be of sufficient depth to provide 24" of cover over main lines and 18" of cover over lateral
- 7. Spray irrigation shall be used in all planting areas unless noted otherwise (see note 8). Pop-up heads shall be used adjacent to all drives, paths, and in all lawn areas. Heads shall be located to eliminate overspray onto adjacent paving and buildings (see EBMUD recommendations). Coordinate all irrigation types with the landscape architect.
- 8. Controller location shall be per the drawings. Control wires shall be single wire (no wire looms allowed). Provide extra wires to all terminus of the main line to allow expansion of the system, see plan.
- 9. All wire splices are to be made within a valve box. No in-line splices will be accepted. Splices are to be made with a copper crimp-type connector, and an approved epoxy splice pack.
- 10. All pipes shall be schedule 40 pvc or upgraded.
- 11. All excavations are to be backfilled to 90% compaction, minimum. The contractor to repair all settled trenches promptly for a period of one year after completion of the work. Additionally, contractor shall warrant that the irrigation system will be free from defects in materials and workmanship for a period of one year after final acceptance of the work.
- 12. All irrigation emission devices must meet the requirements set in the American National Standards Institute (ANSI) standard, American Society of Agricultural and Biological Engineers'/International Code Council's (ASABE/ICC) 802-2014 "Landscape Irrigation Sprinkler and Emitter Standard". All sprinkler heads installed in the landscape must document a distribution uniformity low quarter of 0.65 or higher using the protocol defined in ASABE/ICC 802-2014.
- 13. Areas less than ten (10) feet in width in any direction shall be irrigated with subsurface irrigation or other means that produces no runoff or overspray.
- 14. Automatic irrigation controllers utilizing either evapotranspiration or soil moisture sensor data utilizing non-volatile memory shall be required for irrigation scheduling in all irrigation systems.
- 15. Backflow prevention devices shall be required to protect the water supply from contamination by the irrigation system. A project applicant shall refer to the applicable local agency code (i.e., public health) for additional backflow prevention requirements.
- 16. Check valves or anti-drain valves are required on all sprinkler heads where low point drainage could occur.
- 17. Flow sensors that detect high flow conditions created by system damage or malfunction are required.
- 18. Head to head coverage is recommended. However, sprinkler spacing shall be designed to achieve the highest possible distribution uniformity using the manufacturer's recommendations.
- 19. If the water pressure is below or exceeds the recommended pressure of the specified irrigation devices, the installation of a pressure regulating device is required to ensure that the dynamic pressure at each emission device is within the manufacturer's recommended pressure range for optimal performance.
 (A) If the static pressure is above or below the required dynamic pressure of the irrigation system, pressure-regulating devices such as inline pressure regulators, booster pumps, or other devices shall be
- installed to meet the required dynamic pressure of the irrigation system.

 (B) Static water pressure, dynamic or operating pressure, and flow reading of the water supply shall be measured at the point of connection. These pressure and flow measurements shall be conducted at the design stage. If the measurements are not available at the design stage, the measurements shall be
- conducted at installation.

 20. In mulched planting areas, the use of low volume irrigation is required to maximize water infiltration into the
- 21. Landscape water meters, defined as either a dedicated water service meter or private submeter, shall be installed for all non-residential irrigated landscapes of 1,000 sq. ft. but not more than 5,000 sq.ft. (the level at which Water Code 535 applies) and residential irrigated landscapes of 5,000 sq. ft. or greater. A landscape water meter may be either:
 - (A) a customer service meter dedicated to landscape use provided
- by the local water purveyor; or
 (B) a privately owned meter or submeter.
- 22. Manual shut-off valves (such as a gate valve, ball valve, or butterfly valve) shall be required, as close as possible to the point of connection of the water supply, to minimize water loss in case of an emergency (such as a main line break) or routine repair.
- 23. Master shut-off valves are required.
- 24. Overhead irrigation shall not be permitted within 24 inches of any nonpermeable surface. Allowable irrigation within the setback from nonpermeable surfaces may include drip, drip line, or other low flow nonspray
- technology. The setback area may be planted or unplanted. The surfacing of the setback may be mulch, gravel, or other porous material. These restrictions may be modified if:
- (A) the landscape area is adjacent to permeable surfacing and no runoff occurs; or
- (B) the adjacent non-permeable surfaces are designed and constructed to drain entirely to landscaping.
- 25. Relevant information from the soil management plan, such as soil type and infiltration rate, shall be utilized when installing the irrigation system.
- 26. Sensors (rain, freeze, wind, etc.), either integral or auxiliary, that suspend or alter irrigation operation during unfavorable weather conditions shall be required on all irrigation systems, as appropriate for local climatic conditions. Irrigation should be avoided during windy or freezing weather or during rain.
- 27. Slopes greater than 25% shall not be irrigated with an irrigation system with a application rate exceeding 0.75 inches per hour.
- 28. Sprinkler heads and other emission devices shall have matched precipitation rates, unless otherwise directed by the manufacturer's recommendations.
- 29. Swing joints or other riser-protection components are required on all risers subject to damage that are adjacent to hardscapes or in high traffic areas of turfgrass.
- 30. The installation of the irrigation system shall conform to the hydrozones of the landscape design plan.
- 31. The irrigation system must be designed and installed to meet, at a minimum, the irrigation efficiency criteria as described in the Water Efficient Landscape Ordinance.
- 32. The irrigation system shall be installed to prevent runoff, low head drainage, overspray, or other similar conditions where irrigation water flows onto non-targeted areas, such as adjacent property, nonirrigated areas, hardscapes, roadways, or structures.
- 33. Where feasible, trees shall be placed on separate valves from shrubs, groundcovers, and turf to facilitate the appropriate irrigation of trees. The mature size and extent of the root zone shall be considered when installing the irrigation for the tree.

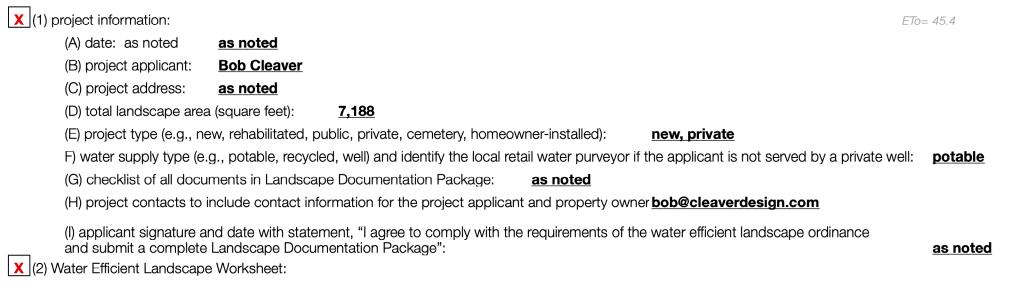
Irrigation Scheduling (MWELO § 492.10)

- 1. Irrigation scheduling shall be regulated by automatic irrigation controllers.
- 2. Overhead irrigation shall be scheduled between 8:00 p.m. and 10:00 a.m. unless weather conditions prevent it. If allowable hours of irrigation differ from the local water purveyor, the stricter of the two shall apply. Operation of the irrigation system outside the normal watering window is allowed for auditing and system maintenance.
- 3. For implementation of the irrigation schedule, particular attention must be paid to irrigation run times, emission device, flow rate, and current reference evapotranspiration, so that applied water meets the Estimated Total Water Use. Total annual applied water shall be less than or equal to Maximum Applied Water Allowance (MAWA) shown on sheet LP105. Actual irrigation schedules shall be regulated by automatic irrigation controllers using current reference evapotranspiration data (e.g., CIMIS) or soil moisture sensor data.
- Parameters used to set the automatic controller shall be developed and submitted for each of the following:
 - (A) The plant establishment period;
 - (B) The established landscape; and
 - (C) Temporarily irrigated areas
- 5. Each irrigation schedule shall consider for each station all of the following that apply:
 - (A) irrigation interval (days between irrigation);
 - (B) irrigation run times (hours or minutes per irrigation event to avoid runoff);
 - (C) number of cycle starts required for each irrigation event to avoid runoff;
 - (D) amount of applied water scheduled to be applied on a monthly basis;(E) application rate setting;
 - (F) root depth setting;
 - (G) plant type setting;
 - (H) soil type;(I) slope factor setting;
 - (J) shade factor setting; and
 - (K) irrigation uniformity or efficiency setting.

Landscape Notes

- 1. All planting area finished grades with a slope of 3:1 or greater shall receive a layer of jute mesh placed under the mulch, secured with metal staples.
- 2. All work shall be performed by personnel familiar with this type of work and under the supervison of a qualified planting foreman.
- 3. Do not perform any soil preparation work in areas where soil is contaminated with cement, plaster, paint or other construction debris. Bring such areas to the attention of the landscape architect and do not proceed until the contaminated soil is removed and replaced.
- 4. Planting areas shall receive a 2" layer of 50% compost and 50% mini mulch fir bark. This should be spread after container planting. The contractor shall provide a sample to the landscape architect prior to shapping to site
- 5. Immediately replace any plant materials that die or are damaged.
- 6. The landscape contractor shall maintain the planting and irrigation improvements for a period of 3 months.
- Services shall include mowing the lawn, fertilizing and weeding all new planting.
- 7. Landscape drawings are based on information supplied by Mason Architects and Lea & Braze Engineering.

Landscape Documentation Package Checklist (§ 492.3)



(A) hydrozone information table:

(B) water budget calculations:

as noted

as noted

WELO (Water Efficiency Landscape Ordinance) Compliance:

Mullen

signature of applicant

I agree to comply with the requirements of the water efficient landscape

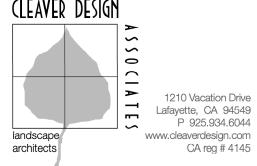
ordinance and submit a complete Landscape Documentation Package

Maximum Applied Water Allowance (MAWA): 111,286 gal/yr
 Estimated Total Water Use (ETWU): 109,365 gal/yr

200CT2022

date

(3) soil management report: <u>deferred</u>
xee drawings
xee drawings
xee drawings
xee civil drawings
xee civil drawings





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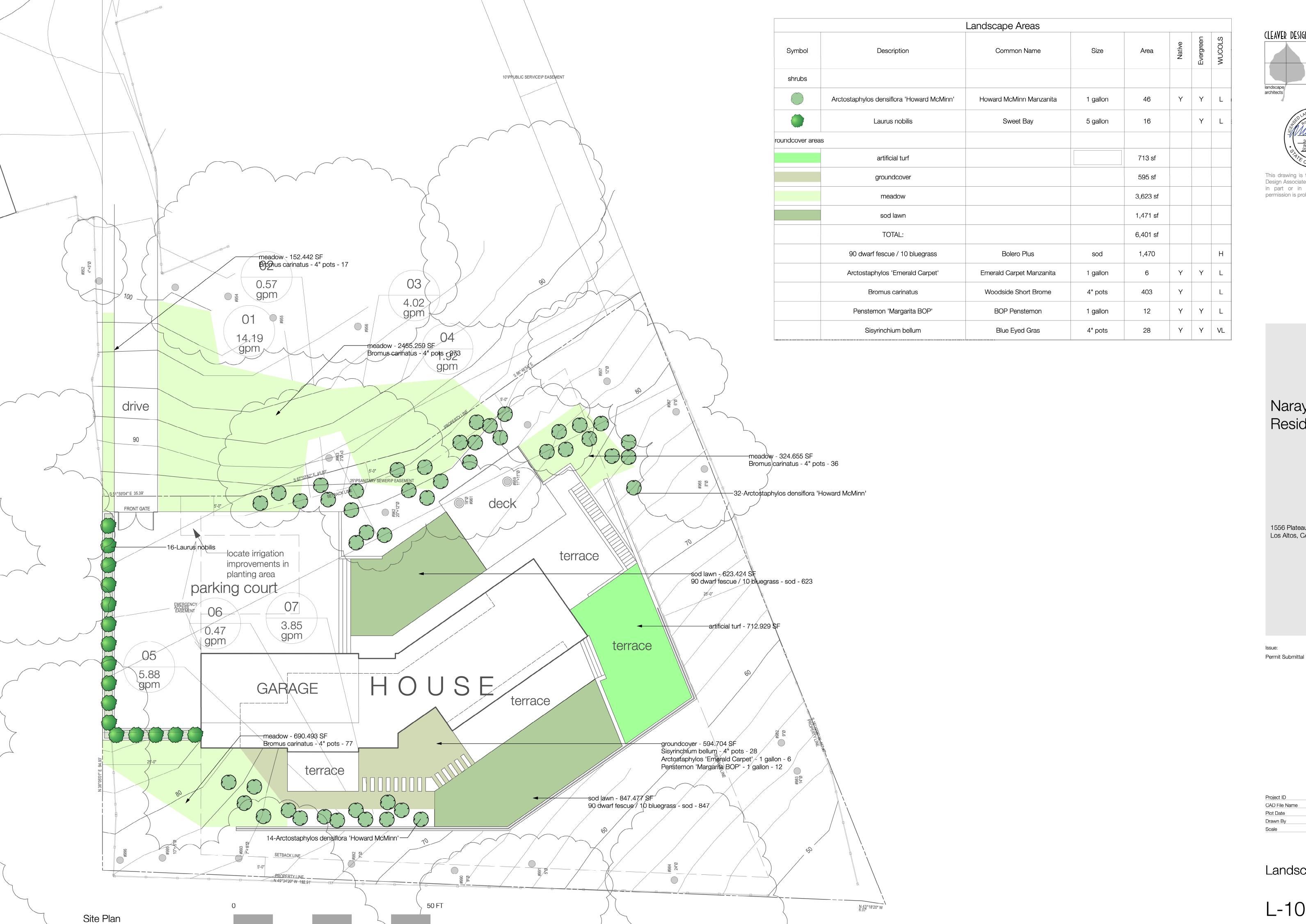
Narayanan Residence

1556 Plateau Avenue Los Altos, CA

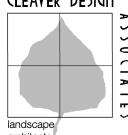
Issue: Date:
Permit Submittal 200CT2022

Project ID	24" x 36
CAD File Name	Narayanan.vw
Plot Date	
Drawn By	В
Scale	As Note

Landscape Cover Sheet



Scale: 1" = 10'-0"



1210 Vacation Drive Lafayette, CA 94549 P 925.934.6044 CA reg # 4145



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Narayanan Residence

1556 Plateau Avenue Los Altos, CA

200CT2022

Project ID	24" x 36"
CAD File Name	Narayanan.vwx
Plot Date	
Drawn By	BC
Scale	As Noted

Landscape Plan





Estimated Total Water

49,794

17,702

41,869

109,365



1210 Vacation Drive Lafayette, CA 94549 P 925.934.6044 www.cleaverdesign.com CA reg # 4145



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Narayanan Residence

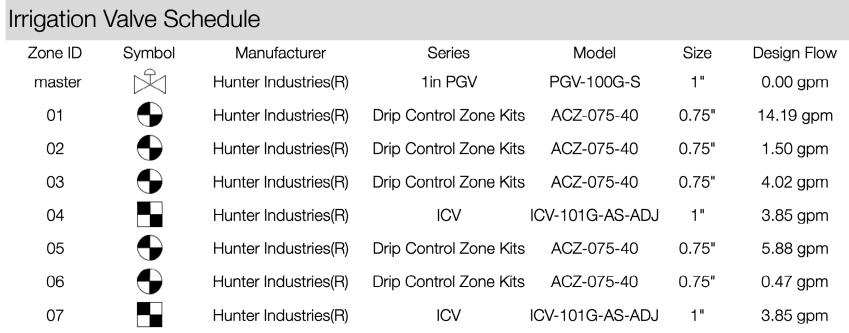
1556 Plateau Avenue Los Altos, CA

Permit Submittal 200CT2022

Project ID	24" x 36"
CAD File Name	Narayanan.vwx
Plot Date	
Drawn By	ВС
Scale	As Noted

Hydrozone Plan





rrigation Outlet Schedule					
Symbol	Quantity	Outlet Type	Manufacturer	Series	Model
$lack {lack}$	62	Emitter	Hunter Industries(R)	Point Source Emitters	(2x) HE-10-B
	2	Spray	Hunter Industries(R)	MP Rotator(R)	MP1000-90
	12	Spray	Hunter Industries(R)	MP Rotator(R)	MP2000-90

Irrigation System Component Schedule					
Symbol	Quantity	Type	Manufacturer	Model	Size
M	1	flow meter	Hunter Industries	HC-100-FLOW	1"
(HB)	2	hose bibb	Generic		0.75"
PVB	1		FEBCO	825Y	
С	1	controller	Hunter Industries	PHC-1200	
	2	shut off valve	0	0	1.00 "

Drip Line	Schedule					
Symbol	Manufacturer	Series	Model	Area	Row Spacing	Estimated Length
	Hunter Industries(R	HDL-CV	HDL-06-18	4,285 sf	2'0"	3,617

Irrigation Pipe Schedule			
Symbol	Type	Diameter	Estimated Length
	Polyethylene Tubing	1"	329'
	Polyethylene Tubing	1 1/4"	69'
======	PVC Schedule 40	1/2"	696'
	PVC Schedule 40	3/4"	330'
	PVC Schedule 40	1"	17'
======	PVC Schedule 40	1 1/4"	33'

I have complied with the criteria of the Water Conservation in Landscaping Ordinance and applied them for the efficient use of water in the Irrigation Design Plan

Mullen signature of landscape architect

Irrigation Plan Notes

- 1. Drip line rows are to scale
- 2. Pipe locations are diagrammatic
- 3. All components to be installed as per manufacturers recommendations
- 4. Install all components as per local, state, federal codes
- 5. Mainline depth to be no less than 24"
- 6. Lateral depth to be no less than 18"
- 7. Electric control valves to be covered with covered with 12" valve box
- 8. Locate valves/hose bibss out of high traffic areas
- 9. Refer to Hunter catalog and Netafim CV Design Guide for performance specifications
- 10. For on-surface or under mulch drip installations, 6" metal wire staples shall be installed 3' - 5' on center over tubing, (depending on soil type) and two staples shall be installed over every change-of-direction fitting.
- 11. Refer to sheet L-001 for additional irrigation notes related to the 2015 Water Efficient Landscape Ordinance
- 12. Refer to irrigation details on sheets L-501



Lafayette, CA 94549 www.cleaverdesign.com



1210 Vacation Drive

P 925.934.6044

CA reg # 4145

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Narayanan Residence

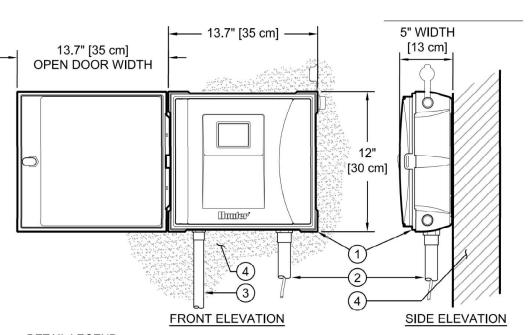
1556 Plateau Avenue Los Altos, CA

Permit Submittal

200CT2022

oject ID	24" x 36"
D File Name	Narayanan.vwx
ot Date	
awn By	BC
ale	As Noted

Irrigation Plan



DETAIL LEGEND: (1) IRRIGATION CONTROLLER

(2) IRRIGATION CONTROL WIRE IN CONDUIT - SIZE AND TYPE PER LOCAL CODES

3 ELECTRICAL SUPPLY CONDUIT - CONNECT TO POWER SOURCE, J-BOX INSIDE CONTROLLER

(4) ADJACENT SURFACE TO MOUNT CONTROLLER PER PLAN

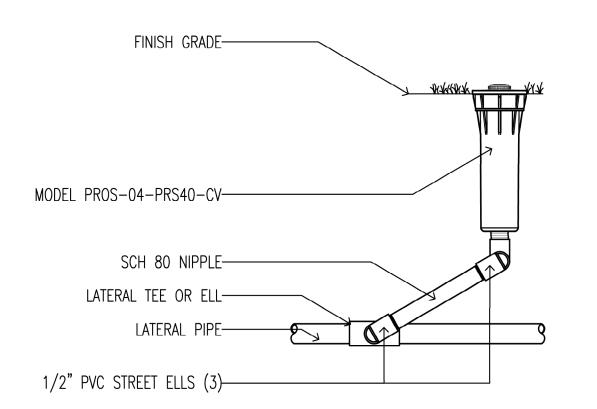
NOTES:
1. CONTROLLER ACCEPTS 120 VOLTS A.C. OR 230 VOLTS A.C. (INTERNATIONAL

MODEL).

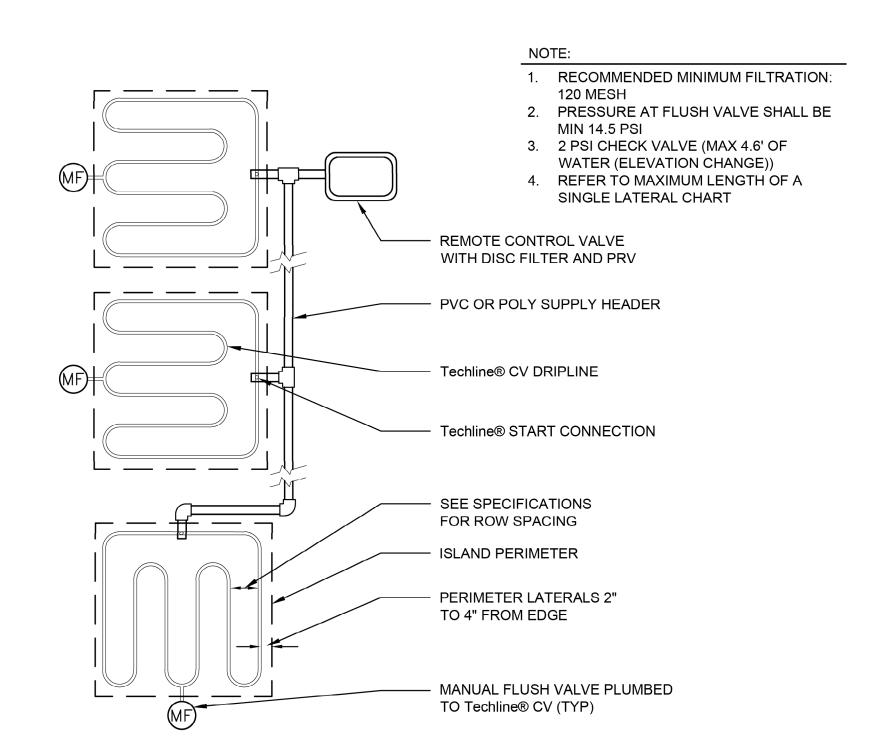
2. MOUNT CONTROLLER LCD SCREEN AT EYE LEVEL, CONTROLLER SHALL BE HARD-WIRED TO GROUNDED 110 VAC POWER SOURCE.

3. REFER TO THE HUNTER HCC INSTALLATION GUIDE FOR FURTHER

Hunter Irrigation Controller Not to Scale

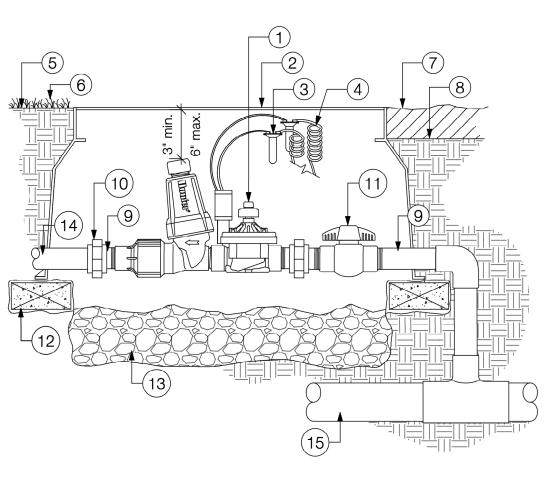


Hunter PROS-04-PRS40-CV MPR Sprinkler at Lawn Not to Scale

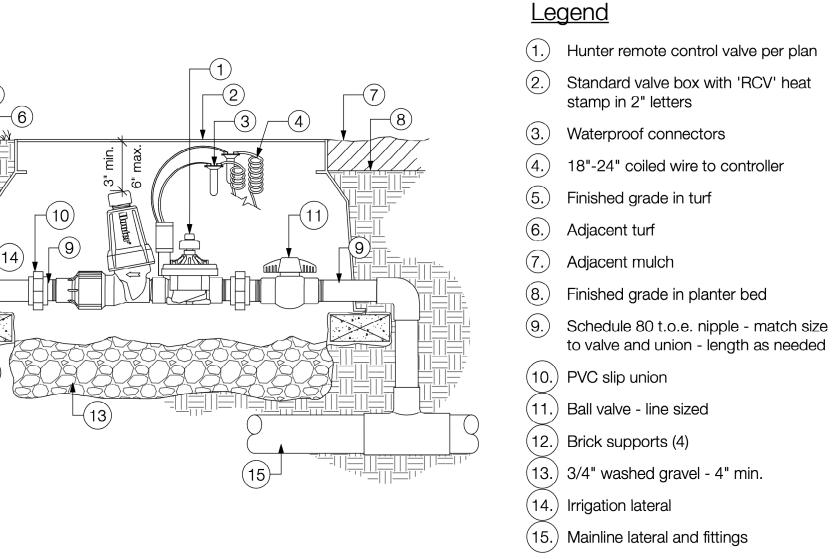


Techline CV LITE layout for Planter Islands

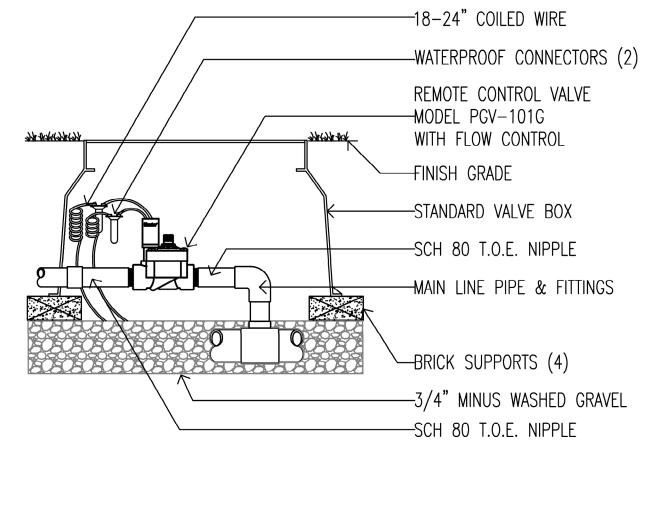
Not to Scale



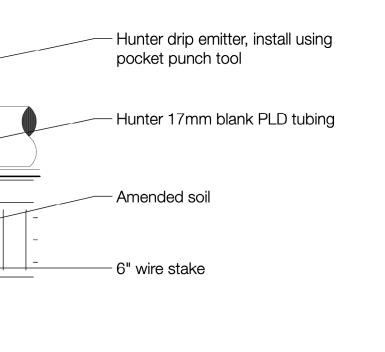
Hunter ICZ-LF Drip Zone Kit with Isolation Valve Not to Scale



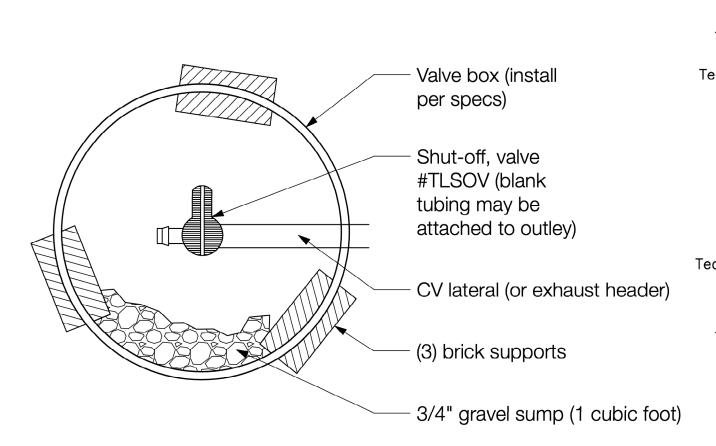




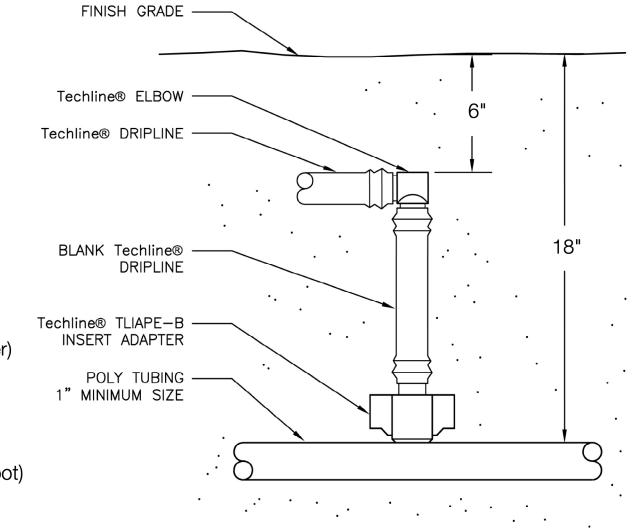




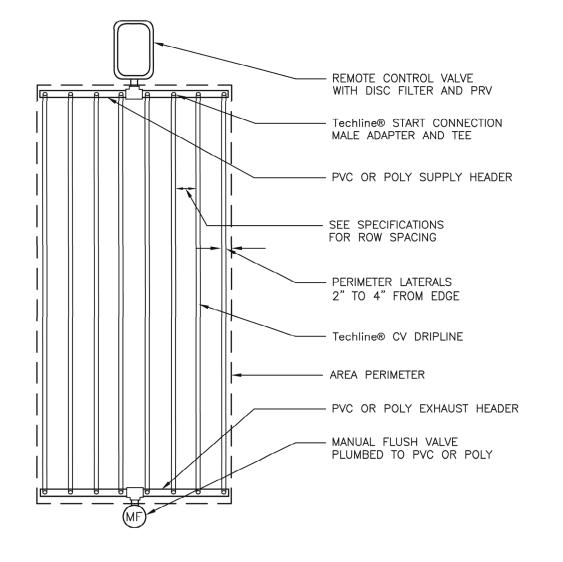
Hunter Point Source Drip Emitter on Grade (HE) Not to Scale

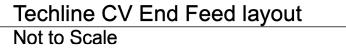


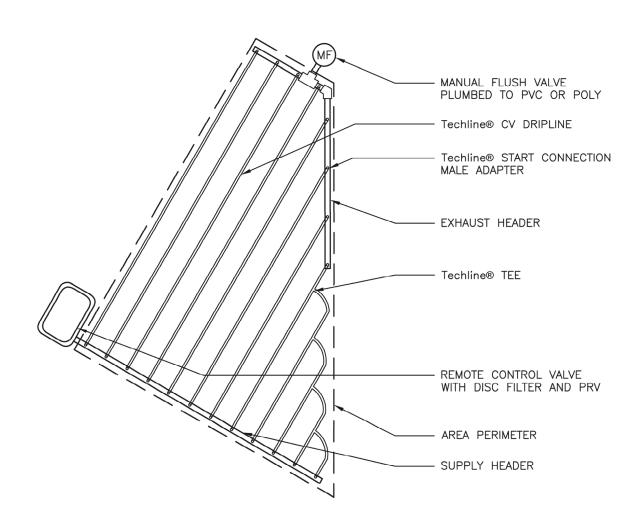
Techline CV Manual Line Flush Valve Not to Scale



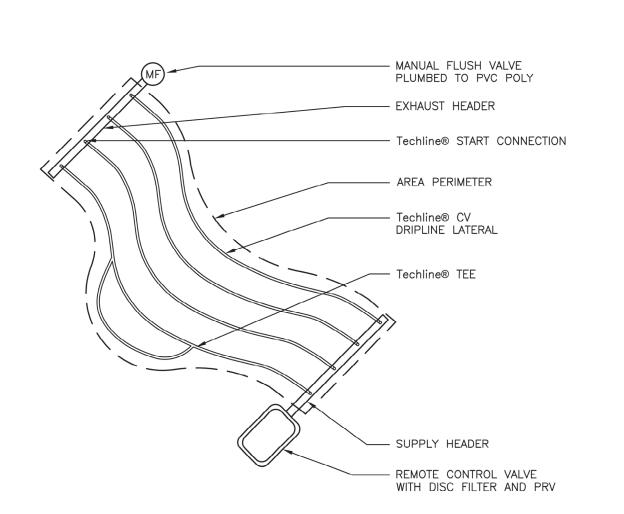
Techline CV Start Connection Not to Scale



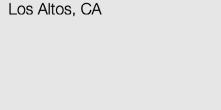




Techline CV Irregular Areas: Triangular Not to Scale



Techline CV Irregular Areas: Odd curves Not to Scale



1556 Plateau Avenue

Narayanan

Residence

CLEAVER DESIGN

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Lafayette, CA 94549

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Issue:	Da
Permit Submittal	20OCT20

Project ID	24" x 36
CAD File Name	Narayanan.vw
Plot Date	
Drawn By	ВС
Scale	As Noted

Irrigation Details