STEVENS CREEK BLVD

SAN JOSE, CA. 95126





2 BLOCK PLAN NO SCALE

GENERAL NOTE

- 1. CONTRACTOR SHALL VISIT THE SITE AND ACQUAINT THEMSELVES WITH THE CONDITIONS AS THEY ACTUALLY EXIST AND VERIFY LOCATIONS, CONDITIONS AND DETAILS REQUIRED TO COMPLETE THE WORK.
- 2. DISPOSAL SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT LAWS AND REGULATIONS.
- 3. THE CONTRACTOR SHALL USE MATERIALS THAT ARE COMPATIBLE TO EXISTING MATERIALS AND COMPLY WITH APPLICABLE REGULATIONS. BEFORE PROCEEDING, EXAMINE THE SURFACES TO BE MODIFIED AND THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. IF UNSAFE OR OTHERWISE UNSATISFACTORY CONDITIONS ARE ENCOUNTERED, TAKE CORRECTIVE ACTION BEFORE PROCEEDING WITH THE WORK. CUT USING SMALL POWER TOOLS DESIGNED FOR SAWING OR GRINDING, NOT HAMMERING AND CHOPPING. RESTORE FINISHES OF PATCHED AREAS AND, WHERE NECESSARY, EXTEND FINISH RESTORATION INTO ADJOINING SURFACES.
- 4. ALL MATERIAL SHALL BE INSTALLED WITH THE APPROVAL OF THE AUTHORITY HAVING JURISDICTION AND IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER.
- 5. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AT THE SITE AND SHALL VERIFY ALL MEASUREMENTS.
- 6. EXISTING OPENING FRAME SHALL REMAIN UNALTERED. ALL NEW WINDOWS OR DOORS SHALL FIT THE EXISTING ROUGH OPENING. PERFORM ALL WORK IN A WORKMANLIKE MANNER. CONTRACTOR TO REPLACE OR REPAIR ANY DAMAGE TO EXISTING AREAS TO REMAIN, AS DETERMINED BY THE OWNER.

SCOPE OF WORK

- 1. CONSTRUCT A NEW NON-CONDITION METAL BUILDING 33' x 60'FOR OUTDOOR DINING SITTING.
- 2. REMODEL EXISTING BUILDING WITH A NEW ROOF AND NEW ADA BATHROOM
- 3. SITE RE-PAVING

APPLICABLE CODES2022 EDITION OF TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)PART 1 - California Building Code Volumes 1 & 2PART 2 - California Mechanical CodePART 3 - California Plumbing CodePART 4 - California Electrical CodePART 5 - California Electrical CodePART 5 - California Existing Buildings CodePART 6 - California Energy CodePART 7 - California Energy CodePART 8 - California Residential Building CodePART 9 - California Green Building Standards CodePART 10 - California Historical Building Code

SANTA CLARA COUNTY MUNICIPAL CODE.

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NAME	Daniel Ni
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PROJECT DATA				
ADDRESS	Stevens Creek Blvd San Jose, CA. 95126			
APN	274-41-68			
ZONING CLASSIFICATION	G			
OCCUPANCY CLASSIFICATION	(E)=B (P)=A			
DEWLLING UNITS	0			
NUMBER OF BUILDINGS	(E) 1 (P) 2			
BUILDING HEIGHT	(E) 13'- 0''			
STORY COUNT	1			
CONSTRUCTION TYPE	(E) ⊻B (P) ⊻B (P) II		
SPRINKLER SYSTEM	(E) NONE (P) YES			
LOT AREA	5,593 SF			
LOT COVERAGE	1,980 SF			

	SHEELLIST
	GENERAL
G-000	TITLE, COVER SHEET& SHEET INDEX
	ARCHITECTURE DRAWING
A-100	EXISTING & PROPOSED SITE PLAN
A-101	EXISTING & PROPOSED 1ST FLOOR PLAN
A-102	PROPOSED MEZZANINE FLOOR PLAN
A-103	EXISTING & PROPOSED EAST ELEVATION
A-104	EXISTING & PROPOSED SOUTH ELEVATION
A-105	EXISTING & PROPOSED EAST SECTION
A-106	EGRESS & ACCESIBLE PATH TRAVEL
A-107	DOOR SCHEDULE
A-108	ELECTRICAL & MECHANICAL PLANS
A-109	BATHROOM ADA DETAILS
A-110	STAIR & GUARDRAILS DETAILS - SECTIONS
A-111	PLUMBING PLAN
T-24 (1)	T-24 (1-6)
T-24 (1)	T-24 (7-10)
T-24 (2)	T-24 (1-6)
T-24 (2)	T-24 (7)
P-1	PLUMBING GENERAL NOTES
P-2	PLUMBING SCHEDULES
P-3	PLUMBING DIAGRAMS
P-4	PLUMBING DETAILS
S-1.1	GENERAL NOTES
S-1.2	SCHEDULE
S-1.3	TYPICAL SECTION
S-2.1	FOOTAGE LAYOUT PLAN
S-2.2	ROOF FRAMING LAYOUT PLAN
S-3.1	SECTION DETAILS



























# ARCHITECTS SF	ARCHITECTS SF ARCHITECTS are are a solution of the solution
PROJECT:	Stevens Creek Blvd San Jose, CA. 95126 San Jose, CA. 95126
DRAWING TITLE:	 EXISTING & PROPOSED SOUTH ELEVATION

GROUND LEVEL 0'- 0"

| SECTION A-A















STYLE SLIDING SLIDING

NO.

1

2













3. 4

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ELECTRICAL NOTE

1. Edison Company approval is required for electric meter location and/or relocation prior to meter installation.

- 2. Field inspectors to review and approve underground services prior to concrete placement. Service equipment and subpanels to have a minimum 30 by 36 inch clear work space on a level
- surface with 78 inch clear height. (CEC 110.26(A)) Subpanels are not allowed to be located in bathrooms or clothes closets. (CEC 240.24(D) & (E)) Circuits sharing a grounded conductor (neutral) with two ungrounded (hot) conductors must use a two pole circuit breaker or an identified handle tie. (CEC 200.4(B))
- 6. Group non-cable circuits in panel (CEC 210.4(D))
- Ground fault circuit interrupter (GFCI) protection shall be provided at all receptacle outlets in bathrooms, crawl spaces, garages, rooftops, outdoor outlets, and above kitchen countertops, or within 6 feet of a wet bar or laundry sink. (CEC 210.8)
- 8. Combination type Arc Fault Circuit Interrupter (AFCI) circuit breakers are required for all 120V single phase 15A/20A branch circuits. Except where GFCI circuits are provided. (CEC 210.12(B))
- 9. A minimum of 2 dedicated 20-ampere circuits are required for all receptacle outlets in the kitchen, dining room, breakfast area, pantry or similar areas. (CEC 210.11(C)(1) & 210.52(B)) 10. A minimum of one dedicated 20 ampere circuit is required for each bathroom and laundry room.
- (CEC 210.11(C)(2)&(3)) 11. In Bathrooms, a GFCI protected receptacle outlet is required within 3 feet of the edge of each sink. (CEC 210.52(D))
- 12. Receptacle outlets are not allowed within or over a bathtub or shower stall. (CEC 406.9(C)) 13. General receptacle outlets must be located so that no point on any wall, fixed glass, or cabinets is over 6 feet from a receptacle outlet. (CEC 210.52(A)(1))
- 14. Hallways 10 feet or longer must have at least one receptacle outlet. (CEC 210.52(H)) 15. All receptacle outlets are required to be listed tamper resistant receptacles. (CEC 406.12)

MECHANICAL NOTE

1. Exhaust ducts shall terminate not less than 3 feet from a property line or opening into a building, 10 feet from a forced air inlet, and shall not discharge onto a public walkway. (CMC 502.2.1)

COVERAGE LEGEND

WALL LIGHT

RECESSED LIGHT

RECEPTACLE GFCI

RECEPTACLE

SINGLE SWITCH

FAN

PENDANT LIGHT

(E) PANEL CAPACITY 100 AMP

ELECTRICAL PANEL LOADS INFORMATION

(E) BUILDING LIGHT (E) BUILDING RECEPTACLES (E) BUILDING HEAT PUMP

(N) BUILDING LIGHT (N) BUILDING RECEPTACLES (N) BUILDING HEAT PUMP

DUCT LESS A/C

PUMPS UNITS

TS U ARCHITE ш S SF S _ U **H**H Ц Ш _____ U 0: ... 2 Phor ∢ # Revision Date 26 Blvd 951 reek C C Φ Stevens San Jose **PROJECT:** S Ζ 0ð 4 **ELECTRICAI MECHANIC** IG TITLE: DRA **A-108**





FIG. 604.4, 604.5.1 & 604.7a PER ICC/ANSI A117.1 (2003) & CBC 18-11-1109.2 (2011)

SEE BLOW UP DETAILS SHEET D-102



19 SYMBOLS SCALE: 3/4" = 1'-0" (ADA CODES)



1. 1/4" THICK MELAMINE PLASTIC LAMINATE NON GLARE FINISH WITH CHARACTERS & SYMBOLS THAT CONTRAST THEIR BACKGROUND. BACKGROUND COLOR SHALL CONTRAST DOOR COLOR. MOUNT WITH DOUBLE BACK FOAM TAPE. 2. NO TEXT OR BRAILLE ON SIGNS.



SQUARE SHAPE SIGNAGE, NON \Box GLARE FINISH WITH CHARACTERS & SYMBOLS THAT CONTRAST THEIR BACKGROUND. BACKGROUND COLOR SHALL CONTRAST DOOR COLOR. MOUNT WITH DOUBLE BACK FOAM TAPE.









STAIRS - GUARD & HANDRAIL DETAIL







TYP. HANDRAIL SECTION 6"=1'-0"

STAIRS - TYPICAL STAIR DETAIL





 \rightarrow Z

STEVENS CREEK BOULEVARD Public Right of Way - 96' Wide

22 **PLUMBING** 1/8"=1'-0"



PROPERTY LINE 125'- 0"





LEYEND

New wall

Demolition wall

Existing wall

l L'						value 12/21 122 12		
	Nonresidential Performance Compliance Method (Page 1 of 17)							
6	Project Name: Stevens Creek Blvd New Build Date Prepared: 2023-07-14							
T							eneral Information	. G
p				11		Stevens Creek Blvd New Build	Project Name	1
-						Title 24 Analysis	Run Title	2
						2265 Stevens Creek Blvd	Project Location	3
	22	Compliance 20	ndards Version	5 Standa		San Jose	City	4
		n) EnergyPro 9.1	mpliance Software (version)	7 Compli		95126	Zip code	6
-		90	Iding Orientation (deg)	9 Building		4	Climate Zone	в
	STYP20.epw	SAN-JOSE-INTL	ather File	11 Weathe		Nonresidential	Building Type(s)	.0
-		0	mber of Dwelling Units	13 Numbe		New complete scope	Project Scope	2
F		0	al # of hotel/motel rooms	15 Total #		2520	Total Conditioned Floor Area in	,
		0		13 10tal #			Scope (ft ²)	.4
		Natural gas	ЧТуре	17 Fuel Ty		0	Area (ft ²)	16
		1	al # of Stories (Habitable ove Grade)	19 Total # Above		2520	Nonresidential Conditioned Floor Area	18
						0	Residential Conditioned Floor	20
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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000 Schema Version: rev 20220601

Report Generated: 2023-07-14 07:35:20 Compliance ID: EnergyPro-6249-0723-0186

23 <u>T-24 (1-6)</u>

E OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD	NRCC-PRF-E
tial Performance Compliance Method	(Page 2 of 17)

JMMARY

s which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively if within the ation. **Building Components Complying via Performance** Building Components Complying Prescriptively e (See Table G) Nonres Performance Solar Thermal Water Heating (See Table I3) Vot Included Heating (See Table I3) Vot Included Heating (See Table I3) Vot Included

	MultiFam	Not Included	Heating (see Table 13)	\boxtimes	Not Included	permit application (i.e. compliance will not be shown of	on the NRCC-PRF-E).
	Nonres	Performance	Covered Process:		Performance	Indoor Lighting (Unconditioned) 140.6 & 170.2(e)	NRCC-LTI-E is required
(See Table H)	MultiFam	Not Included	Table J)		Not Included	Outdoor Lighting 140.7 & 170.2(e)	NRCC-LTO-E is required
ot Water (See	Nonres	Not Included	Covered Process: Laboratory Exhaust (see		Performance	Sign Lighting 140.8 & 170.2(e)	NRCC-LTS-E is required
jie ij	MultiFam	Not Included	Table J)	\boxtimes	Not Included	Building Components Complying with Mandatory Measure	
or Conditioned, able K)	Nonres	Performance	Photovoltaics (see Table F)		Performance	Electrical power systems, commissioning, solar ready, elevator escalator requirements are mandatory and should be docume on the NRCC form listed if applicable (i.e. compliance will not shown on the NRCC-PRF-E.)	
27	MultiFam	Not Included		⊠	Not Included	Electrical Power Distribution 110.11	NRCC-ELC-E is required
			Rotteny (see Toble E)		Performance	Commissioning 120.8	NRCC-CXR-E is required
			Battery (see Table F)	\boxtimes	Not Included	Solar and Battery 110.10	NRCC-SAB-E is required

Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2022.0.000 Schema Version: rev 20220601	Report Generated: 2023-07-14 07:35:20 Compliance ID: EnergyPro-6249-0723-0186

E OF COMPLIANCE - NONRESIDEN HAL PERFORMANCE COMPLIANCE METHOD	NRCC-PRF-E
tial Performance Compliance Method	(Page 5 of 17)

RGY RESULTS FOR NON-REGULATED COMPONENTS ¹			
Non-Regulated Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV) ¹
	11.34	11.34	
	. :		
tors			
L COMPLIANCE + NON-REGULATED COMPONENTS)	96.16	78.38	17.78 (18.5%)

s table is not used for Energy Code Compliance.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220601

Report Generated: 2023-07-14 07:35:20 Compliance ID: EnergyPro-6249-0723-0186

CERTIFICATE OF COMPLIANCE - NONRESIDEN	TIAL PERFORMANCE COMPLIANCE METHOD		NRCC-PRF-		
Nonresidential Performance Compliance Met	hod		(Page 3 of 17		
C1. COMPLIANCE SUMMARY					
	COMPLIES ³				
	Time Dependent Valuaton (TDV)				
	Efficiency ¹ (kBtu/ft ² - yr)	Total ² (kBtu/ft ² - yr)	Total ² (kBtu/ft ² - yr)		
Standard Design	84.82	84.82 84.82			
Proposed Design	67.04	67.04 67.04			
Compliance Margins	17.78	17.78	11.01		
	Pass	Pass	Pass		

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-E									
Nonresidential Performance Compliance Method			(Page 6 of 17)						
C4. SOURCE ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONEI	NTS (Annual SOURCE Energy Use, kBtu,	/ft²/yr)							
COMPLIES ²									
Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE) ¹						
Space Heating	14.96	3.7	11.26						
Space Cooling	0.24	0.22	0.02						
Indoor Fans	0.75	1.52	-0.77						
Heat Rejection	0	0	0						
Pumps & Misc.	0	0	0						
Domestic Hot Water	0.34	0.34	0						
Indoor Lighting	1.13	0.63	0.5						
Flexibility									
EFFICIENCY COMPLIANCE TOTAL	17.42	6.41	11.01 (63.2%)						
Photovoltaics									
Batteries									
TOTAL COMPLIANCE	17.42	6.41	11.01 (63.2%)						
Notes: This number in parenthesis following the Compliance Margin i	n column 4, represents the Percent E	Better than Standard.							

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000

³ Building complies when efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded

Schema Version: rev 20220601

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Schema Version: rev 20220601



Nonresidential Performance Compliance Method	CERTIFICATE OF COMPLIANCE - NONRESIDEN HAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-E						IAL PERFORM		E METHOD				NRCC-PRF-E	CERTIFICATE OF CO	OMPLIANCE - N	IONRESIDENT
			(Page 7 of 17)	Nonresidentia	I Performance C	ompliance Meth	nod					(Page 8 of 17)	Nonresidential Performance Compliance Metho		
5. SOURCE ENERGY RESULTS FOR NON-REGULATED CO	MPONENTS ¹			C7. ENERGY USE	SUMMARY									C8. ENERGY USE INT	TENSITY (EUI)	
Non-Regulated Energy Componen	t Standard Design (SOURCE)	Proposed Design (SOURCE	Compliance Margin (SOURCE) ¹	Energy Co	omponent	Standard De	esign Site	Proposed Design	Site Ma	rgin S	tandard Design	Site Proposed Design Site	Margin			Standard D
eceptacle	0.74	0.74		1.2.5.5	\v	(MWI	'h)	(MWh)	(M)	Wh)	(MBtu)	(MBtu)	(MBtu)	GROSS EUI ¹		
	0.74	0.74		Space Heating				2.6	-		40.5			NET FUIL		
				Space Cooling		0.7		0.6	0	1						
ner Ltg			5274) 	Indoor Fans		1.2		1.6	-C	.4				Notes: Gross EOT	is Energy Use Tot	ται (ποτ ιπείαα
ocess Motors				Heat Rejection	ř.		1		.	.				D1. EXCEPTIONAL CO	ONDITIONS	
AL (TOTAL COMPLIANCE + NON-REGULATED COMPC	ONENTS) 18.16	7.15	11.01 (60.6%)	Pumps & Misc.	nn ∎T		2			-				 The aged solar ref used, the initial ref 	flectance and ag	ged thermal er be listed, and t
ites: This table is not used for Energy Code Comp	ollance.			Domestic Hot	Water	0.3		0.3)				The project uses t Daylit Control regulate	the Simplified Go	jeometry Perfo
ABOVE CODE' QUALIFICATIONS				Indoor Lighting	ł	1.7	· · · ·	0.9	0	.8				in Secondary Daylit	t Zones is require	ed.
This project is pursuing CalGreen Tier 1	🗌 This proj	ect is pursuing CalGreen Tier 2		Flexibility			2		-	-				 The building does Project is claiming 	ig Exception 2 to	Section 140.1
				EFFICIENCY TOT	AL	3.9		6	-2	.1	40.5	0	40.5	 Project is claiming Equation 140.10-A 	g Exception 1 to	Section 140.1
				Photovoltaics					-	-				 Project is claiming PV/Battery Buildi 	g Exception 3 to	 Section 140.1th en modified frc
				Batteries						_				Energy Code sectio	on 140.10 for Nor	nresidential or
				ENERGY LISE CU	ΒΤΟΤΔΙ	20		8		.1	40 5		40.5			
				Decenterie		5.9		4.0		<u>,</u>						
				кесертасіе		1.3		1.5								
				Process				<u></u>		<u>10</u> 0						
				Other Ltg			(
				Process Motor	S				-	-						
				ENERGY USE TO	TAL	5.2		7.3	-2	.1	40.5	0	40.5			
	Schema Version: rev 2	0220601 Com	ppliance ID: EnergyPro-6249-0723-0186						Schema Version	: rev 202206	01	Compliance ID: EnergyPro-624	-14 07.33.20 49-0723-0186			
CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL	PERFORMANCE COMPLIANCE METHOD	0220601 Com	NRCC-PRF-E (Page 10 of 17)	CERTIFICATE O Nonresidentia	DF COMPLIANCE	- NONRESIDENTI ompliance Meth	1AL PERFORMA	ANCE COMPLIANC	Schema Version	: rev 202206	01	Compliance ID: EnergyPro-624	NRCC-PRF-E age 11 of 17)	CERTIFICATE OF CO Nonresidential Per	OMPLIANCE - No	IONRESIDENTI, Ipliance Metho
CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL Nonresidential Performance Compliance Method	PERFORMANCE COMPLIANCE METHOD	0220601 Com	NRCC-PRF-E (Page 10 of 17)	CERTIFICATE O Nonresidentia	DF COMPLIANCE Il Performance C RFACE ASSEMBLY	- NONRESIDENTI ompliance Meth	1AL PERFORMA	ANCE COMPLIANC	Schema Version	: rev 202206	01	Compliance ID: EnergyPro-624	NRCC-PRF-E age 11 of 17)	CERTIFICATE OF CO Nonresidential Per	OMPLIANCE - No	IONRESIDENTI, pliance Metho
CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL Nonresidential Performance Compliance Method	PERFORMANCE COMPLIANCE METHOD	0220601 Com	NRCC-PRF-E (Page 10 of 17)	CERTIFICATE O Nonresidentia G5. OPAQUE SU 01	DF COMPLIANCE Il Performance C RFACE ASSEMBLY 02	- NONRESIDENTI ompliance Meth SUMMARY 03	1AL PERFORMA hod	ANCE COMPLIANC	Schema Version	: rev 202206	01	Compliance ID: EnergyPro-624 (P	NRCC-PRF-E age 11 of 17)	CERTIFICATE OF CO Nonresidential Per G7A. FENESTRATION 01	COMPLIANCE - No Prformance Com	IONRESIDENTI. npliance Metho MARY (NONRES
CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL Nonresidential Performance Compliance Method 51. ENVELOPE GENERAL INFORMATION (conditioned sp 01 01 0paque Surfaces & Orientation	PERFORMANCE COMPLIANCE METHOD	0220601 Com	NRCC-PRF-E (Page 10 of 17) 04 Window to Wall Ratio (%)	CERTIFICATE O Nonresidentia G5. OPAQUE SU 01	DF COMPLIANCE Il Performance C RFACE ASSEMBLY 02 Construction	- NONRESIDENTI ompliance Meth SUMMARY 03	1AL PERFORMA hod 04 Framing C	ANCE COMPLIANC	Schema Version	: rev 202206	01 08	(P	NRCC-PRF-E age 11 of 17)	CERTIFICATE OF CO Nonresidential Pe G7A. FENESTRATION 01 Fenestration	COMPLIANCE - N Prformance Com	JONRESIDENTI npliance Metho IMARY (NONRES 02 Type/ Product T
CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL Nonresidential Performance Compliance Method 61. ENVELOPE GENERAL INFORMATION (conditioned sp 01 01 0paque Surfaces & Orientation North-Facing ¹	PERFORMANCE COMPLIANCE METHOD Paces only) 02 Total Gross Surface Area (ft ²) Total 660	0220601 Com 03 Fenestration Area (ft ²) 60	NRCC-PRF-E (Page 10 of 17) 04 Window to Wall Ratio (%) 9.09	CERTIFICATE O Nonresidentia G5. OPAQUE SU 01 Surface Name	DF COMPLIANCE Il Performance C RFACE ASSEMBLY 02 Construction Type	- NONRESIDENTI ompliance Meth SUMMARY 03 Area (ft ²)	1AL PERFORMA nod 04 Framing C Type R-	ANCE COMPLIANC	Schema Version	: rev 202206 07 Units	01 08 Value	O9 Compliance ID: EnergyPro-624 (P	NRCC-PRF-E age 11 of 17)	CERTIFICATE OF C Nonresidential Pe G7A. FENESTRATION 01 Fenestration Assembly Name	COMPLIANCE - N Prformance Com	JONRESIDENTI npliance Metho IMARY (NONRES 02 Type/ Product T
ERTIFICATE OF COMPLIANCE - NONRESIDENTIAL lonresidential Performance Compliance Method 1. ENVELOPE GENERAL INFORMATION (conditioned sp 01 01 Opaque Surfaces & Orientation North-Facing ¹ East-Facing ²	PERFORMANCE COMPLIANCE METHOD PERFORMANCE COMPLIANCE METHOD Daces only) 02 Total Gross Surface Area (ft ²) Total 660 1200 1200 1200	0220601 Com 03 Fenestration Area (ft ²) 60 15 0	NRCC-PRF-E (Page 10 of 17) 04 Window to Wall Ratio (%) 9.09 1.25	CERTIFICATE O Nonresidentia G5. OPAQUE SU 01 Surface Name	DF COMPLIANCE Il Performance C RFACE ASSEMBLY 02 Construction Type	- NONRESIDENTI ompliance Meth SUMMARY 03 Area (ft ²)	1AL PERFORMA nod 04 Framing C Type R-	ANCE COMPLIANC	Schema Version	: rev 202206	01 08 Value Stu	(P O9 Description of Assembly Layers ucco - 7/8 in. nor nermeable felt - 1/8 in	NRCC-PRF-E age 11 of 17)	CERTIFICATE OF C Nonresidential Pe G7A. FENESTRATION 01 Fenestration Assembly Name Double Non Metal Clear	COMPLIANCE - N Prformance Com ASSEMBLY SUMI Fenestration T	IONRESIDENTI npliance Metho IMARY (NONRES 02 Type/ Product T /ertical fenestri Fixed windo
ERTIFICATE OF COMPLIANCE - NONRESIDENTIAL lonresidential Performance Compliance Method 1. ENVELOPE GENERAL INFORMATION (conditioned sp 01 01 0paque Surfaces & Orientation North-Facing ¹ East-Facing ² South-Facing ³ West-Facing ⁴	PERFORMANCE COMPLIANCE METHOD PERFORMANCE COMPLIANCE METHOD Daces only) CO2 Total Gross Surface Area (ft ²) Total G60 1200 G60 1200 Co2 Co2 Co2 Co2 Co2 Co2 Co2 Co2 Co2 C	03 Fenestration Area (ft ²) 60 15 0 0	NRCC-PRF-E (Page 10 of 17) 04 Window to Wall Ratio (%) 9.09 1.25 0 0 0	CERTIFICATE O Nonresidentia G5. OPAQUE SU 01 Surface Name R-25 Wall7	DF COMPLIANCE Il Performance C RFACE ASSEMBLY 02 Construction Type Exterior Wall	- NONRESIDENTI ompliance Meth SUMMARY 03 Area (ft ²)	1AL PERFORMA nod 04 Framing C Type R- Wood	ANCE COMPLIANC	Schema Version	: rev 202206 07 Units U-factor	01 08 Value 0.0569 Cor Cor	(P 09 Description of Assembly Layers Jacco - 7/8 in. por permeable felt - 1/8 in. imposite-1	NRCC-PRF-E age 11 of 17)	CERTIFICATE OF C Nonresidential Pe G7A. FENESTRATION 01 Fenestration Assembly Name Double Non Metal Clear	COMPLIANCE - N Prformance Com N ASSEMBLY SUMI Fenestration T Ve	JONRESIDENTI npliance Meth IMARY (NONRES 02 Type/ Product T /ertical fenestra Fixed windo N/A
CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL Nonresidential Performance Compliance Method 51. ENVELOPE GENERAL INFORMATION (conditioned sp 01 01 0paque Surfaces & Orientation North-Facing ¹ East-Facing ² South-Facing ³ West-Facing ⁴ Total	PERFORMANCE COMPLIANCE METHOD PERFORMANCE COMPLIANCE METHOD Daces only) CO2 Total Gross Surface Area (ft ²) Total G60 1200 G60 1200 3720 CO2 CO2 CO2 CO2 CO2 CO2 CO2 C	03 Fenestration Area (ft ²) 60 15 0 0 75	OP OP 04 Window to Wall Ratio (%) 9.09 1.25 0 0 0 0 0.02 0.02	CERTIFICATE O Nonresidentia G5. OPAQUE SU 01 Surface Name R-25 Wall7	DF COMPLIANCE Il Performance C RFACE ASSEMBLY 02 Construction Type Exterior Wall	- NONRESIDENTI ompliance Meth SUMMARY 03 Area (ft ²)	1AL PERFORMA nod 74 Framing C Type R- Wood	ANCE COMPLIANC	Schema Version	: rev 202206 07 Units U-factor	01 08 Value 0.0569 Gyj Asp	09 Description of Assembly Layers Jacco - 7/8 in. por permeable felt - 1/8 in. imposite-1 rpsum Board - 1/2 in. phaltShingles0_25In	NRCC-PRF-E age 11 of 17)	CERTIFICATE OF C Nonresidential Pe G7A. FENESTRATION 01 Fenestration Assembly Name Double Non Metal Clear ¹ Notes: Newly insta values are for the gi	COMPLIANCE - N Formance Com N ASSEMBLY SUMI Fenestration 1 Va alled fenestration lass-only, detern	JONRESIDENTI npliance Methy IMARY (NONRES 02 Type/ Product T /ertical fenestra Fixed windor N/A on shall have a mined by the m
CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL Nonresidential Performance Compliance Method G1. ENVELOPE GENERAL INFORMATION (conditioned sp 01 01 0paque Surfaces & Orientation North-Facing ¹ East-Facing ² South-Facing ³ West-Facing ⁴ Total Roof Vetec	PERFORMANCE COMPLIANCE METHOD PERFORMANCE COMPLIANCE METHOD Daces only) CO2 Total Gross Surface Area (ft ²) Total G60 1200 G60 1200 3720 1820	03 Fenestration Area (ft ²) 60 15 0 0 75 0 0 0 0 0 0 0 0 0 0 0 0 0	NRCC-PRF-E (Page 10 of 17) 04 Window to Wall Ratio (%) 9.09 1.25 0 0 0 0 0 0 0 0 0 0 0 0	CERTIFICATE O Nonresidentia G5. OPAQUE SU 01 Surface Name R-25 Wall7	DF COMPLIANCE Il Performance C RFACE ASSEMBLY 02 Construction Type Exterior Wall	- NONRESIDENTI ompliance Meth SUMMARY 03 Area (ft ²)	1AL PERFORMA nod 04 Framing C Type R Wood	ANCE COMPLIANC	Schema Version	: rev 202206 07 Units U-factor	01 08 Value 0.0569 Gyj Asp Vap Cor Gyj Na	09 Description of Assembly Layers ucco - 7/8 in. por permeable felt - 1/8 in. mposite-1 rpsum Board - 1/2 in. phaltShingles0_25In por permeable felt - 1/8 in. rysond - 1/2 in.	NRCC-PRF-E age 11 of 17)	CERTIFICATE OF C Nonresidential Pe G7A. FENESTRATION 01 Fenestration Assembly Name Double Non Metal Clear ¹ Notes: Newly insta values are for the g NA6 and are used in ² Status: N - New, A	COMPLIANCE - N erformance Com N ASSEMBLY SUMI Fenestration 1 Va alled fenestration ilass-only, detern n the analysis. - Altered, E - Exi	VONRESIDENTI npliance Meth IMARY (NONRES 02 Type/ Product T /ertical fenestr; Fixed windor N/A >n shall have a mined by the m isting
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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL Nonresidential Performance Compliance Method S1. ENVELOPE GENERAL INFORMATION (conditioned sp 01 01 01 0paque Surfaces & Orientation North-Facing ¹ East-Facing ² South-Facing ³ West-Facing ⁴ Total Roof otes North-Facing is oriented to within 45 degrees of true Gauth-Facing is oriented to within 45 degrees of true Gauth-Facing is oriented to within 45 degrees of true Gauth-Facing is oriented to within 45 degrees of true Gauth-Facing is oriented to within 45 degrees of true	PERFORMANCE COMPLIANCE METHOD paces only) 02 Total Gross Surface Area (ft ²) 1200 660 1200 660 1200 680 1200 1200 1200 1200 560 1200 660 1200 560 1200 560 1200 560 1200 560 1200 570 1820 ue north, including 45 00'00" east of north (NE), but east east, including 45 00'00" south of east (SE), but east ue south including 45 00'00" west of south (SW) hu	03 Fenestration Area (ft ²) 60 15 0 0 75 0 0 com excluding 45 00'00" west of north luding 45 00'00" north of east (NE t excluding 45 00'00" east of south	NRCC-PRF-E (Page 10 of 17) 04 Window to Wall Ratio (%) 9.09 1.25 0 0 0 0.01 0.02 0 0 0 0 0.05	CERTIFICATE O Nonresidentia G5. OPAQUE SU 01 Surface Name R-25 Wall7 R-38 Roof No Attic19	DF COMPLIANCE Il Performance C RFACE ASSEMBLY 02 Construction Type Exterior Wall Roof	- NONRESIDENTI ompliance Meth SUMMARY 03 Area (ft ²)	IAL PERFORMA nod 04 Framing C Type R- Wood Wood	ANCE COMPLIANC	Schema Version	: rev 202206 07 Units U-factor U-factor	01 08 Value 0.0569 0.0287 Asp Vap Ply 0.0287 Air mo Cor	09 Description of Assembly Layers ucco - 7/8 in. por permeable felt - 1/8 in. mposite-1 rpsum Board - 1/2 in. phaltShingles0_25In por permeable felt - 1/8 in. r - Cavity - Wall Roof Ceiling - 4 in. or ore mposite-2	NRCC-PRF-E age 11 of 17)	CERTIFICATE OF C Nonresidential Pe G7A. FENESTRATION 01 Fenestration Assembly Name Double Non Metal Clear ¹ Notes: Newly insta values are for the g NA6 and are used in ² Status: N - New, A H1. DRY SYSTEM EQU	COMPLIANCE - N erformance Com N ASSEMBLY SUM Fenestration 1 Vi alled fenestration plass-only, detern n the analysis. I - Altered, E - Exi UIPMENT (FURNA	NONRESIDENTI npliance Meth IMARY (NONRES 02 Type/ Product T /ertical fenestr Fixed windo N/A on shall have a mined by the n disting
CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL Nonresidential Performance Compliance Method 61. ENVELOPE GENERAL INFORMATION (conditioned sp 01 Opaque Surfaces & Orientation North-Facing ¹ East-Facing ² South-Facing ³ West-Facing ⁴ Total Roof otes North-Facing is oriented to within 45 degrees of true Gast-Facing is oriented to within 45 degrees of true South-Facing is oriented to within 45 degrees of true	PERFORMANCE COMPLIANCE METHOD Daces only) 02 Total Gross Surface Area (ft ²) Total Gross Surface Area (ft ²) 1200 660 1200 660 1200 3720 1820 ue north, including 45 00'00" east of north (NE), but east, including 45 00'00" west of south (SW), but excursion for the south, including 45 00'00" north of west (NW), but excursion for the south (SW), but excursion for the south (SW) (SW) (SW) (SW) (SW) (SW) (SW) (SW)	03 Fenestration Area (ft ²) 60 15 0 0 75 0 0 com	NRCC-PRF-E (Page 10 of 17) 04 Window to Wall Ratio (%) 9.09 1.25 0 0 0 0.01 0.02 0 0.05 0.05 0.06 0.07	CERTIFICATE O Nonresidentia G5. OPAQUE SU 01 Surface Name R-25 Wall7 R-38 Roof No Attic19	DF COMPLIANCE Il Performance C RFACE ASSEMBLY 02 Construction Type Exterior Wall Roof	- NONRESIDENTI ompliance Meth SUMMARY 03 Area (ft ²)	IAL PERFORMA nod 04 Framing C Type R- Wood Wood	ANCE COMPLIANC	Schema Version	: rev 202206 07 Units U-factor U-factor	01 08 Value 0.0569 0.0287 Asr Var Ply 0.0287 Air mo Cor Gyl	09 Description of Assembly Layers ucco - 7/8 in. por permeable felt - 1/8 in. mposite-1 rpsum Board - 1/2 in. phaltShingles0_251n por permeable felt - 1/8 in. (wood - 1/2 in. r - Cavity - Wall Roof Ceiling - 4 in. or pre- mposite-2 rpsum Board - 1/2 in.	NRCC-PRF-E age 11 of 17)	CERTIFICATE OF C Nonresidential Pe G7A. FENESTRATION 01 Fenestration Assembly Name Double Non Metal Clear ¹ Notes: Newly insta values are for the g. NA6 and are used in ² Status: N - New, A H1. DRY SYSTEM EQU 01	COMPLIANCE - N erformance Com N ASSEMBLY SUMI Fenestration 1 Vi alled fenestratio plass-only, detern in the analysis. A - Altered, E - Exi UIPMENT (FURNA 02	NONRESIDENTI npliance Meth IMARY (NONRES 02 Type/ Product T /ertical fenestr Fixed windo N/A on shall have a mined by the n <isting ACES, AIR HAND 03</isting
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CA Building Energy Enclency Standards - 2022 Non CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL Nonresidential Performance Compliance Method G1. ENVELOPE GENERAL INFORMATION (conditioned sp 01 Opaque Surfaces & Orientation North-Facing ¹ East-Facing ² South-Facing ³ West-Facing ⁴ Total Roof Nortes North-Facing is oriented to within 45 degrees of true East-Facing is oriented to within 45 degrees of true South-Facing is oriented to within 45 degrees of true South-Facing is oriented to within 45 degrees of true South-Facing is oriented to within 45 degrees of true G2A. ROOFING PRODUCT SUMMARY (NONRESIDENTIAL 01 02 Assembly Name Roof Pitch R-38 Roof No Attic19 LowSlope G4. 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OPAQUE SU 01 Surface Name R-25 Wall7 R-38 Roof No Attic19 Slab On Grade21 R-0 Floor No Crawlspace32 ¹ Status: N - Net</td> <td>DF COMPLIANCE I Performance C RFACE ASSEMBLY 02 Construction Type Exterior Wall Roof Underground Floor Interior Floor w, A - Altered, E -</td> <td>- NONRESIDENTI ompliance Meth SUMMARY 03 Area (ft²)</td> <td>IAL PERFORMA nod 04 Framing Type R Wood N/A N/A N/A</td> <td>ANCE COMPLIANC 05 Cavity -Value 25 N/A 38 N/A 0 N/A 0 N/A</td> <td>Schema Version</td> <td>: rev 202206 07 Units U-factor U-factor F-factor</td> <td>01 08 Value 0.0569 0.0287 Asp Vap 0.0287 Air mo Cor Gyp 0.0287 Air mo Cor Gyp 1 0.0287 Air mo Cor Gyp 1 Nap Cor Gyp Vap Ply Oa Cor Gyp Cor Gyp Cor Gyp Cor Gyp Cor Cor Gyp Cor Cor Gyp Cor Cor Cor Cor Cor Cor Cor Cor</td> <td>(P 09 Description of Assembly Layers ucco - 7/8 in. por permeable felt - 1/8 in. imposite-1 rysum Board - 1/2 in. phaltShingles0_25In por permeable felt - 1/8 in. 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OPAQUE SU 01 Surface Name R-25 Wall7 R-38 Roof No Attic19 Slab On Grade21 R-0 Floor No Crawlspace32 ¹ Status: N - Net	DF COMPLIANCE I Performance C RFACE ASSEMBLY 02 Construction Type Exterior Wall Roof Underground Floor Interior Floor w, A - Altered, E -	- NONRESIDENTI ompliance Meth SUMMARY 03 Area (ft ²)	IAL PERFORMA nod 04 Framing Type R Wood N/A N/A N/A	ANCE COMPLIANC 05 Cavity -Value 25 N/A 38 N/A 0 N/A 0 N/A	Schema Version	: rev 202206 07 Units U-factor U-factor F-factor	01 08 Value 0.0569 0.0287 Asp Vap 0.0287 Air mo Cor Gyp 0.0287 Air mo Cor Gyp 1 0.0287 Air mo Cor Gyp 1 Nap Cor Gyp Vap Ply Oa Cor Gyp Cor Gyp Cor Gyp Cor Gyp Cor Cor Gyp Cor Cor Gyp Cor Cor Cor Cor Cor Cor Cor Cor	(P 09 Description of Assembly Layers ucco - 7/8 in. por permeable felt - 1/8 in. imposite-1 rysum Board - 1/2 in. phaltShingles0_25In por permeable felt - 1/8 in. 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24 T-24 (7-10)

L PERFORMANCE COMPLIANCE METHOD	NRCC-PRF-E
1	(Page 9 of 17)

gn (kBtu/ft² / yr)	Proposed Design (kBtu/ft² / yr)	Margin (kBtu/ft² / yr)	Margin Percentage
3.11	9.88	13.23	57.25
3.11	9.88	13.23	57.25

nittance must be listed in the Cool Roof Rating Council database of certified products. For projects where initial reflectance is a aged reflectance is calculated by the software program and used in the compliance model. rmance Modeling Approach which is not capable of modeling daylighting controls and assumes the prescriptive Secondary /E COMPLIANCE documentation (form NRCC-LTI-02-E) for the requirements of section 140.6(d) Automatic Daylighting Controls

ating. Verify that service water heating is not required and is not included in the design. .0(a): No PV system is required where the required PV system size is less than 4 kWdc. .0(b): No battery storage system is required if the installed PV system size is less than 15 percent of the size determined by

.0(b): No battery storage system required for tenant spaces less than or equal to 5,000 ft2.

om software defaults for one or more spaces. Review project's PV/Battery Building Type(s) with documentation author. Refer to r 170.2(g) for more information.

onresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220601 Report Generated: 2023-07-14 07:35:20 Compliance ID: EnergyPro-6249-0723-0186

TAL PERFORMANCE COMPLIANCE METHOD	NRCC-PRF-E
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	03	04	05	06	07	08	09
ype / Frame Type	Certification Method ¹	Assembly Method	Area (ft ²)	Overall U-factor	Overall SHGC	Overall VT	Status ²
ation w	NFRC	Site built	75	0.36	0.25	0.5	N
certified NFRC Labe	el Certificate or use re shown for ease	the CEC default tables of verification. Site-buil	found in To t fenestrat	able 110.6-A a ion values are	nd Table 110.6-B. calculated per No	Center of Glas	s (COG) ppendix

ING UNITS, HEAT PUMPS, VRF, ECONOMIZERS ETC.) 04 05 06 07 08 09 10 11 12 Heating Cooling Total Heating Output (kBtu/h) Economizer Type (if present) Total Cooling Output (kBtu/h) Supp Heat Output (kBtu/h) Status¹ Efficiency Unit Efficiency Unit Efficiency Efficiency 12.2 15 EER SEER No 23.04 25 N/A NA 0 N Economizer _____ EER SEER 12.2 15 No N/A NA 23.04 25 N 0 Economizer

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house g Totals:	2520	560	0	0	0	S-1-Gallery Rm	Commer Wa	cial Industrial rehouse	l
6-C E for uncondition nation for existing	ed spaces g spaces modeled is not included i	in this table				S-2-Mezzanine	Commer Wa	cial Industrial rehouse	
ONDITIONED LIG	HTING SCHEDULE					K4. INDOOR CONDITI	ONED LIGHTIN	IG MANDATORY LIG	н
edule (includes a	II permanent installed lighting in	conditioned space, and portabl	e lighting over 0.3 w/ft ² in office	is)		Building Level Contro	ls		
1	02	03	04	05	06			01	_
	Complete Luminaire	United at	Installed Watts	(Conditioned)		N	landatory Den	hand Response 110. Required	1
Item Tag	Description (i.e. 3-lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per luminaire	How is Wattage determined	Total Number of Luminaires	Installed Watts	See NRCC-LTI-E for m	andatory contr	rols	_
1	LED Fixture	40	According to	14	560	L. DECLARATION OF R	EQUIRED CER	rificates of Instal	L
er densities were	used in the compliance model Bu	ilding Departments will need to a	check prescriptive forms for Lumir	naire Schedule details.		Selections made by Do	cumentation	Author indicate whi	cl
						Building Com	onent		0
						Envelop	e	NRCI-ENV-01-E -	- 1
						Envelop	е	NRCI-ENV-E - En	V
						Mechani	cal	NRCI-MCH-01-E	-
						Mechani Indoor Ligh	cal	NRCI-MCH-E - FO	
						Indoor Ligh	nting	NRCI-LTI-E - Indo	
		Schema	a Version: rev 20220601	Compliance ID:	EnergyPro-6249-0723-0186	 CR Dunning Lifergy	Encloney sta		
			100		NRCC-PRE-F				
					(D				
lai Performance					(Page 17 01 17)				
n Author's Dec	laration Statement								
n Author Name	e of Compliance documentat	s CDP	Documentation Author Signal	ture:					
stairs Energy In		3, GFN	Signature Date:	Alle					
Bayview Heigh	ts Drive Suite E		CEA/HERS Certification Identi	fication (if applicable): R19-06	5-30151				
Los Osos, CA 9	3402		Phone: 805-904-9048	8 58 B					
erson's Declara	tion statement								
Ilowing under pro- eligible under I pliance (respon- energy features ificate of Compl building design pliance docume derstand that a enforcement ag derstand that a pancy, and I wi	penalty of perjury, under the wided on this Certificate of Co Division 3 of the Business and sible designer) and performance specification iance conform to the requirer features or system design fea- ents, worksheets, calculations, registered copy of this Certific ency for all applicable inspect registered copy of this Certific l take the necessary steps to a	laws of the State of Californi ompliance is true and correct. Professions Code to accept re- ons, materials, components, a ments of Title 24, Part 1 and P tures identified on this Certifi , plans and specifications subr cate of Compliance shall be ma- ions, and I will take the neces cate of Compliance is required accomplish these requirement	a: esponsibility for the building do nd manufactured devices for t art 6 of the California Code of cate of Compliance are consist nitted to the enforcement age ade available with the building sary steps to accomplish this r I to be included with the docusts.	esign or system design identif he building design or system o Regulations. tent with the information prov ency for approval with this bui g permit(s) issued for the build equirement. mentation the builder provide	ied on this Certificate of design identified on this vided on other applicable lding permit application. ding, and made available to es to the building owner at				
esigner Name:			Responsible Designer Signatu	re:					
hitects SF									
ox 426993			Date Signed:						
San Francisco,	CA 94142		License #:	I					
nergy Efficiency	v Standards - 2022 Nonresider	ntial Compliance Report Schema	Version: 2022.0.000 a Version: rev 20220601	Report Gen Compliance ID:	erated: 2023-07-14 07:35:20 EnergyPro-6249-0723-0186				

RFORMANCE COMPL	IANCE METHOD					NRCC-PRF-E
					(1	Page 15 of 17)
trols installed in condition	oned space for compliance	e credit per 140.	6(a)2 and Table 1	40.6-A)		
03	04	05	06	07	08	09
Type of Lighting Cont	Power rol Adjustment Factor (PAF)	Luminaire Item Tag	Watts per Luminaire	# of Luminaires	Lighting Controlled (Watts)	Control Credit (Watts)
N/A	N/A	F1	40	8	320	0
N/A	N/A	F1	40	6	240	0
			Lighting Control (Credits (Condition	ed) Total (Watts)	0
NG CONTROL						
			02			
c)		Shut-O	ff Controls 130.1	(c) & 160.5(b)4C		
			Require	d		
ION						
Certificates of Installation	n must be submitted for	the features to b	e recognized for	compliance. These	e documents mus	t be retained
and can be found online		Form/Title				
ust be submitted for a	II buildings	Toring The				
ope (for all buildings)	0					
ust be submitted for	all buildings					
ll buildings with Mech	nanical Systems					
t be submitted for all	buildings					
ighting (for all buildi	ngs)					
						7 44 07 05 04



1.	THE ARCHITECTURAL DESIGN DRAWINGS SHALL INDICATE THE EXACT LOCATIONS	23.	CONTRACTOR SHALL SIZE ALL SERVICE PIPING AND
2.	AND MOUNTING HEIGHTS OF ALL PLUMBING FIXTURES. THE ARCHITECTURAL DESIGN DRAWINGS SHALL INDICATE ALL ACCESSIBLE		ACCOMMODATE FUTURE EXPANSION AS INDICATED (DRAWINGS.
	FIXTURE LOCATIONS AND MOUNTING HEIGHTS. FURNISH ALL EXPOSED HOT WATER AND DRAIN PIPING BELOW ACCESSIBLE LAVATORIES AND SINKS WITH INSULATION. ALL WATER CLOSET FLUSHING LEVERS SHALL BE TO THE WIDE SIDE OF THE STALL.	24. 25.	PROVIDE COMPLETE CONDENSATE DRAIN PIPING FO DISCHARGE CONDENSATE TO AN APPROVED RECEPT ALL LAYOUTS, PIPE SIZES, FIXTURE & EQUIPMENT
	TRAPS FOR ALL LAVATORIES AND SINKS SHALL TRAP STRAIGHT BACK TO WALL WITH ALL REQUIRED OFFSETS HAPPENING WITHIN THE WALL.		THESE PLANS ARE FOR REFERENCE ONLY. THE CO COMPLETE PLUMBING SYSTEM. THE DESIGN, CALCU EQUIPMENT AND MATERIALS SELECTIONS & DRAWIN
	ALL PLUMBING WORK SHALL BE INSTALLED TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT AND STRUCTURAL FRAMING. ALL CLEANOUTS SHALL BE INSTALLED WHERE EASILY ACCESSIBLE. THE	26.	INSULATION THICKNESS AND R-VALVES SHALL EXC TITLE 24 BY AT LEAST 20 PERCENT OR NEXT LAR EVER IS GREATER. PIPE INSULATION SHALL BE NOT
C E C	ONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH ALL QUIPMENT, CABINETS AND OTHER OBSTRUCTION PRIOR TO ANY INSTALLATION. LEANOUTS MUST BE EXTENDED TO FLUSH WITH FINISHED WALL.	27.	THICK, NOT INCLUDING THE MOISTURE BARRIER OR THICKNESS. ALL GAS PRESSURE REGULATOR SHALL BE LOCATE
	ALL PLUMBING FIXTURE VENTS SHALL TERMINATE A MINIMUM OF 12 INCHES FROM ANY VERTICAL SURFACE AND 10 FEET FROM ANY OUTSIDE AIR INTAKES.		LOCATIONS SHALL BE COORDINATED WITH THE ARC AND INSTALLATION SHALL BE AS PER MANUFACTUR MEDIUM PRESSURE GAS INSIDE THE BUILDING.
ii L T	NDICATED ON PLANS. JNIONS SHALL BE PROVIDED AND INSTALLED AFTER EACH VALVE AND PRIOR TO ALL EQUIPMENT CONNECTIONS.	28.	NO GAS & WATER PIPE SHALL BE INSTALLED UND WATER PIPES SHALL RISE TIGHT AGAINST EXTERIOR AND PENETRATE INTO BUILDING. PROVIDE SHUT-OF ABOVE GRADE AT INCOMING GAS RISERS.
AAASO	LL WORK AND MATERIAL SHALL BE IN COMPLIANCE WITH AND PERFORMED ND INSTALLED INCOMFORMANCE WITH THE FOLLOWING CODES AS ADOPTED ND AMENDED BY THE INSPECTING AUTHORITY. NOTHING IN THESE DRAWINGS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES IN OTHERS APPLICABLE TO THIS PROJECT:	29.	CONTRACTOR SHALL CAREFULLY REVIEW THESE PLA PRIOR TO BID. CONTRACTOR SHALL ALSO REVIEW I OF OTHER RELATED TRADES (INCLUDING MECHANI ELECTRICAL) PRIOR TO BID TO INSURE AN ACCURA EXACT SCOPE OF WORK. ANY ITEMS REQUIRING DE
E	3UILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R. 2013 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. 2013 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. 2013 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R. 2013 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.	30.	SHALL BE BROUGHT TO THE ATTENTION OF THE AF TO BE INCORPORATED INTO THE BID. ALL PLUMBING SYSTEM COMPONENTS SHALL MEET REQUIREMENTS OF C.B.C. (CALIFORNIA EDITION), CI ANSI, AND ALL LOCAL AND STATE CODE REQUIREM
20 20 C.(20 20 20	13 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R. 13 CALIFORNIA ELEVATOR SAFETY CONSTRUCTION CODE, PART 7, TITLE 24 C.R. 13 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 C.C.R., 13 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R. 13 TITLE 19, CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS	31.	ALL PLUMBING EQUIPMENT LISTED IN (CCR) SECTION CALIFORNIA CODE OF REGULATIONS, TITLE-24, PAR STANDARDS MUST BE CERTIFIED BY THE MANUFACT SPECIFICATIONS OR EFFICIENCIES ADOPTED BY THE
2	2013 NFPA 13 - AUTOMATIC SPRINKLER SYSTEMS	32. 33	ALL PIPING EXPOSED TO WEATHER SHALL BE META
	LOCATIONS OF ALL MECHANICAL EQUIPMENT AND EQUIPMENT PROVIDED UNDER OTHER SECTIONS OF SPECIFICATIONS, ROUGH-IN LOCATIONS AND REQUIREMENTS SHALL BE COORDINATED IN THE FIELD.	34.	ALL PIPES, FITTINGS AND FIXTURES USED TO CON
	ALL SEWER AND VENT PIPING SHALL SLOPE AT 2%. ALL VALVES, TRAP PRIMERS, WATER HAMMER ARRESTERS OR OTHER EQUIPMENT	35.	ALL INSULATING MATERIALS INSTALLED MUST BE CE ENERGY COMMISSION TO MEET C.E.C. ENERGY EFFI
L B A E	OCATED IN WALLS OR ABOVE NON-ACCESSIBLE CEILINGS SHALL BE INSTALLED IEHIND AN ACCESS PANEL. ALL PIPING & DEVICES SHALL BE INSTALLED BOVE CEILING, WITHIN WALLS, BELOW FLOORS, OR OTHERWISE CONCEALED. XCEPT PIPING AND DEVICES INSTALLED IN MECHANICAL ROOMS AND OTHER	36.	ALL INSULATION INSTALLED SHALL MEET THE FLAM DENSITY REQUIREMENTS OF SECTION 720 OF THE
	JNFINISHED SPACES. ALL PLUMBING FIXTURES AND EQUIPMENT SHALL BE CERTIFIED BY THE CALIFORNIA STATE ENERGY COMMISSION TO COMPLY WITH EFFICIENCY	37.	ALL GAS APPLIANCES MUST HAVE PILOTLESS IGNITI WITH SECTION 110.5 OF THE 2013 CALIFORNIA CC TITLE-24, PART 6, CALIFORNIA ENERGY CODE.
	ALL HOT WATER SUPPLY & RETURN PIPING SHALL BE INSULATED. INSULATION	38.	ALL FIXTURES REQUIRED TO BE ACCESSIBLE SHALL LATEST REQUIREMENTS OF TITLE 24 AND ADA (AME ACT).
	EXCEEDING 50 PER CMC SEC. 1201.3.2.11 SEE SPECIFICATION FOR ER REQUIREMENTS.	39.	CROSS CONNECTION PROTECTION SHALL BE PROVID SUPPLIED APPLIANCES AND EQUIPMENT (OTHER TH
RI SI S	EISMIC BRACING AND ANCHORAGE REQUIREMENTS ARE AS FOLLOWS:	40.	ALL HEATERS FOR DOMESTIC HOT WATER MUST BE MANUFACTURER TO MEET THE SPECIFICATIONS OR BY THE CEC. IN ACCORDANCE WITH SECTION 110
A.	THE SEISMIC ANCHORAGE FOR ALL MECHANICAL AND ELECTRICAL EQUIPMENT SHALL BE DESIGNED TO WITHSTAND A LATERAL FORCE: 1. CALCULATED AS SPECIFIED IN SECTION 1632A AND TABLE 16A-0 OF	41.	CODE. A WATER HEATER PRESSURE AND TEMPERATURE RI TERMINATES OUTSIDE THE BUILDING SHALL COMPLY
	THE VOL. 2, TITLE 24, 2013 CBC. B. THE ATTACHMENT OF THE FOLLOWING ITEMS SHALL BE DESIGNED TO RESIST	42.	CPC. WATER HEATER SHALL BE ANCHORED OR STRAPPEI DISPLACEMENT DUE TO EARTHOUAKE MOTION PER
	1. EQUIPMENT WEIGHING LESS THAN 400 LBS. SUPPORTED DIRECTLY ON FLOOR OR ROOF.	43.	WATER HEATER SHALL COMPLY WITH SECTION 608. EXPANSION REQUIREMENTS.
	2. FURNITURE REQUIRED TO BE ATTACHED IN ACCORDANCE WITH PART 2, TITLE 24, C.C.R. 3. TEMPORARY, OR MOBILE FOURPMENT	44.	LAVATORY FAUCETS IN PUBLIC RESTROOM SHALL B
	 4. EQUIPMENT WEIGHING LESS THAN 20 LBS. SUPPORTED BY VIBRATION ISOLATORS. 5. SUPPORTED FROM A 	45. 46	NONRESIDENTIAL LAVATORY FAUCETS SHALL BE 0.4
	5. EQUIPMENT WEIGHING LESS THAN 20 LBS. SUSPENDED FROM A ROOF OR HUNG FROM A WALL.	47.	KITCHEN FAUCETS AND WASH FOUNTAINS SHALL BE
ר ר א	THE PLUMBING CONTRACTOR SHALL PROVIDE THE WATER & SEWER SYSTEMS TO A POINT OF CONNECTION 5'-0" OUTSIDE OF THE BUILDING. PIPING BEYOND THIS POINT IS SPECIFIED UNDER ANOTHER SECTION OF THE SPECIFICATIONS AND SHALL BE AS SHOWN ON THE CIVIL DRAWINGS. FINAL CONNECTIONS TO DITE PIPING SHALL BE BY THE PLUMPING CONTRACTOR	48.	WATER CLOSETS (GRAVITY TANK TYPE, FLUSHOMETE VALVE AND ELECTROMECHANICAL HYDRAULIC TYPE) MAXIMUM.
	WATER HAMMER ARRESTERS SHALL BE PROVIDED WHERE REQUIRED AND NECESSARY FOR AND TO ALL FIXTURES, EQUIPMENT OR APPLIANCES WITH QUICK CLOSING VALVE AND SHALL BE OF TYPE SPECIFIED.	49.	URINALS SHALL BE 0.5 GPF MAXIMUM.
	ALL PIPE SIZES SHALL BE THE SAME AS THE UPSTREAM PIPE SIZES UNLESS OTHERWISE INDICATED ON PLAN.		
	CLEANOUT SHALL BE PROVIDED AS PER CPC SECTION 707.		
	NO STRUCTURAL MEMBER SHALL BE CUT, NEITHER DRILLED NOR NOTCHED 24. WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT.		
	THESE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ARE NOT INTENDED TO NDICATE ALL DETAILS AND NECESSARY OFFSETS OF PIPING. THE CONTRACTOR SHALL INSTALL MATERIAL AND EQUIPMENT IN A MANNER AS TO CONFORM TO STRUCTURE, AVOID OBSTRUCTIONS, PRESERVE HEADROOM, AND KEEP OPENINGS AND PASSAGEWAYS CLEAR. ALL INSTALLATIONS SHALL BE CONSISTENT WITH NORMALLY ACCEPTABLE INDUSTRY STANDARDS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES OR CONFLICTS THAT WOULD EFFECT THE SYSTEM PERFORMANCE OR INCUR ADDITIONAL COSTS. THIS NOTIFICATION SHALL BE SUBMITTED PRIOR TO INSTALLATION OF THE ITEMS		

26 PLUMBING GENERAL NOTE

EQUIPMENT TO THE ARCHITECTURAL

ALL AC UNITS AND

ELECTIONS SHOWN ON ITRACTOR SHALL PROVIDE A ATIONS, FIXTURE, TRIM, SHALL BE SUBMITTED

ED THE REQUIREMENTS OF ER STANDARD SIZE, WHICH LESS THAN 1.0 INCH EXTERIOR JACKET

AT GROUND LEVEL AND ITECT FOR APPROVAL. SIZE R'S RECOMMENDATIONS. NO

BUILDING SLAB. GAS & WALL UP TO MIN. 18" AFF VALVE AND REGULATOR

NS AND SPECIFICATIONS LANS AND SPECIFICATIONS AL, CIVIL, STRUCTURAL, AND UNDERSTANDING OF CRIPTION CLARIFICATION CHITECT IN SUFFICIENT TIME

OR EXCEED THE CPC, NEC, NFPA, ASTM,

113 OF THE 2013 6, ENERGY EFFICIENCY JRER TO MEET OR EXCEED CEC.

BE GALVANIZED. EY POTABLE WATER SHALL 1953.

RTIFIED BY CALIFORNIA CIENCY STANDARDS (E.E.S.) CALIFORNIA EDITION).

SPREAD AND SMOKE 2013 CBC.

N SYSTEM IN ACCORDANCE OF REGULATIONS,

BE INSTALLED AS PER THE RICANS WITH DISABILITIES

ED AT ALL POTABLE WATER THOSE LISTED IN

CERTIFIED BY THE FFICIENCIES AS ADOPTED THE CALIFORNIA ENERGY

LIEF DRAIN THAT WITH SECTION 608.5 OF

TO RESIST HORIZONTAL ECTION 507.2 OF CPC. OF CPC, FOR THERMAL

SELF CLOSING TYPE. GPM MAXIMUM.

1.8 GPM MAXIMUM. TANK, FLUSHOMETER SHALL BE 1.28 GPF

PLUMBING SPECIFICATIONS

GENERAL PROVISIONS - THE GENERAL CONDITIONS, SUPPLEMENTS AND AMENDMENTS SHALL GOVERN THIS DIVISION OF THE SPECIFICATIONS.

- PROJECT REQUIREMENTS PROVIDE ALL ITEMS, MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THE WORK OR OPERATIONS MENTIONED HEREIN, OR INDICATED ON THE DRAWINGS AND REASONABLY INFERRED THEREIN, AS REQUIRED TO MAKE A COMPLETE AND WORKING SYSTEM.
- INTENT WORK SHALL BE DONE IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS AND THEIR INTENT. COMPLETE WITH ALL NECESSARY COMPONENTS, INCLUDING THOSE NOT NORMALLY SHOWN OR CALLED FOR, AND SHALL BE READY FOR OPERATION BEFORE ACCEPTANCE.
- 4. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE CODES. NOTHING SHOWN IN THE PLANS OR STATED IN THE SPECIFICATIONS IS INTENDED TO INDICATE THAT THE INSTALLATION OR CONNECTIONS OF ANY ITEM OR DEVICE SHOULD BE DONE CONTRARY TO MANUFACTURERS INSTRUCTIONS AND ALL APPLICABLE CODES AND REGULATIONS. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE INSTALLATION AND CONNECTIONS OF ALL ITEMS AND DEVICES CONFORMS TO MANUFACTURERS INSTRUCTIONS AND TO ALL APPLICABLE CODES AND REGULATIONS.
- 5. ANY REFERENCE TO THE DESIGN AUTHORITY SHALL MEAN MR ENGINEERING CONSULTANTS, INC.
- 6. THE WORK "PROVIDE" SHALL MEAN "SUPPLY AND INSTALL" UNLESS OTHERWISE INDICATED.
- GOVERNING REGULATIONS THE WORK UNDER PLUMBING SCOPE OF WORK, SHALL CONFORM, BUT NOT LIMITED TO THE REQUIREMENTS OF THE FOLLOWING CODES, REGULATIONS AND STANDARDS:
- A. 2013 EDITIONS OF THE CALIFORNIA BUILDING CODE, INCLUDING BUT NOT LIMITED TO THE MECHANICAL, PLUMBING, FIRE AND ENERGY CODES. B. OSHA REGULATIONS
- PERMITS OBTAIN ALL REQUIRED PERMITS AND PAY ALL FEES THEREFORE AND COMPLY WITH ALL LOCAL AND STATE REGULATIONS, CODES AND BY-LAWS APPLICABLE TO THE WORK.
- RESPONSIBILITY VISIT THE SITE BEFORE SUBMITING A BID AND EXAMINE ALL LOCAL AND EXISTING CONDITIONS ON WHICH THE WORK IS DEPENDENT.
- 10. NO CONSIDERATION WILL BE GRANTED FOR ANY MISUNDERSTANDING OF WORK TO BE DONE RESULTING FROM FAILURE TO VISIT THE SITE.
- 11. WHEN THE CONTRACT DOCUMENTS DO NOT CONTAIN SUFFICIENT INFORMATION FOR THE PROPER SELECTION OF EQUIPMENT FOR BIDDING, NOTIFY THE DESIGN AUTHORITY DURING THE BIDDING PERIOD. IF CLARIFICATION CANNOT BE OBTAINED, ALLOW FOR THE MOST EXPENSIVE ARRANGEMENT. FAILURE TO DO THIS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO SUPPLY THE INTENDED EQUIPMENT AND OR INSTALLATION.
- 12. CHECK DRAWINGS OF ALL TRADES AND SITE SURVEY TO VERIFY SPACE AVAILABILITY FOR THE INSTALLATION. COORDINATE WORK WITH ALL TRADES AND MAKE CHANGES TO FACILITATE SATISFACTORY INSTALLATION. MAKE NO DEVIATIONS TO THE DESIGN INTENT INVOLVING EXTRA COST TO THE OWNER WITHOUT DESIGN AUTHORITY WRITTEN APPROVAL.
- 13. WORKMANSHIP WORKMANSHIP SHALL BE IN ACCORDANCE WITH WELL ESTABLISHED PRACTICE AND STANDARDS ACCEPTED AND RECOGNIZED BY DESIGN AUTHORITY AND THE TRADE.
- 14. EMPLOY ONLY TRADESMEN HOLDING VALID TRADE QUALIFICATION CERTIFICATES. TRADESMEN SHALL PERFORM ONLY WORK THAT THEIR CERTIFICATE PERMITS.
- 15. DRAWING AND MEASUREMENTS DRAWINGS ARE GENERALLY DIAGRAMMATIC AND ARE INTENDED TO INDICATE THE SCOPE AND GENERAL ARRANGEMENT OF WORK. DO NOT SCALE DRAWINGS.
- 16. TAKE FIELD MEASUREMENTS WHERE EQUIPMENT AND MATERIAL DIMENSIONS ARE DEPENDENT UPON BUILDING DIMENSIONS.
- 17. SUBMITTALS SUBMIT THREE SETS OF ALL EQUIPMENT AND RELATED MATERIAL FOR APPROVAL PRIOR TO ORDERING.
- 18. <u>RECORD DRAWINGS</u> MAINTAIN ONE CONTRACT DRAWING, WHITE PRINT, ON SITE, SOLELY FOR THE PURPOSE OF RECORDING, IN RED, ANY CHANGES AND/OR DEVIATION FROM THE CONTRACT DRAWINGS AS IT OCCURS.
- 19. AT THE COMPLETION OF THE PROJECT, CERTIFY THE ABOVE-MENTIONED DRAWINGS AS BEING ACCURATE AND COMPLETE BY LABELLING IN THE LOWER RIGHT HAND CORNER IN LETTERS OF AT LEAST $\frac{1}{2}$ INCH HIGH AS FOLLOWS: "AS-BUILT DRAWINGS." DATED ---". DELIVER TO DESIGN AUTHORITY.
- 20. OPERATING AND MAINTENANCE MANUALS PREPARE INSTRUCTION MANUALS WHICH INCLUDE EQUIPMENT MANUFACTURER'S OPERATING AND MAINTENANCE BULLETINS, AND A REPORT ON THE TESTING AND BALANCING. SUBMIT THREE (3) COPIES
- TO DESIGN AUTHORITY. 21. EXISTING SERVICES - PROTECT ALL EXISTING SERVICES AND MAKE GOOD ANY DAMAGE CAUSED BY THE WORK IN THIS CONTRACT.
- 22. CLEAN UP MAKE GOOD AND CLEAN ALL AREAS DISRUPTED BY THIS WORK.
- 23. ARRANGEMENT AND ALIGNM, ENT OF PIPING:
- A. PIPING SHALL BE GROUPED (WHEREVER PRACTICAL) INSTALLED IN STRAIGHT PARALLEL LINES ALIGNED IN A UNIFORM DIRECT MANNER. CHANGES IN DIRECTION OF PIPING SHALL BE MADE WITH FITTINGS.
- B. PIPE LINES SHALL BE GUIDED, SUPPORTED AND ANCHORED IN SUCH MANNER THAT PIPE LINES SHALL NOT SAG OR BUCKLE.

24. JOINTS:

- A. PIPING TO EQUIPMENT SHALL BE CONNECTED WITH UNION FOR DISMANTLING AND REMOVAL.
- B. PIPING SHALL BE REAMED AFTER CUTTING. JOINTS WHEN COMPLETE SHALL BE THOROUGHLY CLEANED OF ALL EXCESS PIPE JOINT MATERIALS.
- C. PROVIDE DIELECTRIC FITTINGS BETWEEN DISSIMILAR PIPING CONNECTIONS.
- 25. HANGERS AND SUPPORTS:
- A. PIPING EQUIPMENT, ETC., SHALL BE PROPERLY SUPPORTED WITH THE USE OF APPROVED TYPE CLEVIS AND/OR TRAPEZE HANGERS SPACED 5'-O" ON CENTERS FOR CAST IRON PIPING AND 8'O" ON CENTERS FOR WATER PIPING. B. PIPING AND EQUIPMENT SHALL BE SUPPORTED FROM WALLS, JOISTS OR STRUCTURAL STEEL GIRDERS ONLY.
- 26. PLUMBING FIXTURES:
- A. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL FIXTURES INCLUDED IN THE CONTRACT FROM DAMAGE CAUSED BY ACIDS, BUILDING MATERIALS, TOOLS, EQUIPMENT, ETC. UPON COMPLETION OF THE CONTRACT, OR WHEN DIRECTED, PLUMBING CONTRACTOR SHALL CLEAN ALL FIXTURES TO THE SATISFACTION OF THE DESIGN AUTHORITY.
- B. WHERE FIXTURES ARE DAMAGED, SAID FIXTURES SHALL BE REPLACED BY THE PLUMBING CONTRACTOR IMMEDIATELY UPON NOTIFICATION.
- C. ALL EQUIPMENT FURNISHED BY OWNERS THAT REQUIRE PLUMBING CONNECTION SHALL BE INSTALLED BY THE PLUMBING
- CONTRACTOR. PROVIDE SHUT-OFF VALVE ON WATER SUPPLY WERE REQUIRED BY CODE.
- D. EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTION.
- E. FIXTURES SHALL BE SECURED WITH MOUNTING BOLTS FROM CARRIERS OR HANGERS.
- F. FIXTURES SHALL BE INSTALLED LEVEL, PLUMB.
- G. FITTINGS SHALL BE NEATLY INSTALLED, MOUNTED TO FIXTURES PRIOR TO INSTALLATION OF FIXTURES. PROVIDE NON-HARDENING PUTTY BETWEEN FITTINGS AND FIXTURE SURFACES.
- H. FITTINGS SHALL BE SECURED WITHOUT MARRING OR DAMAGING CHROME PLATING.

27. INSULATION:

- A. DOMESTIC HOT AND COLD WATER PIPING SHALL BE INSULATED WITH 1" THICK FLEXIBLE ELASTOMERIC PIPE INSULATION COMPLYING WITH ASTM C534.
- B. INSULATION SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- C. INSTALLATION OF INSULATIONS SHALL BE DONE ONLY AFTER PIPING ARE TESTED AND DETERMINED TO BE FREE FROM LEAKS.

SYMPOL		DESCRIPTION
	POC/POD	POINT OF CONNECTION / POINT OF DISCONNECTION
	S	SANITARY OR WASTE PIPING
	V	SANITARY VENT PIPING
<u> </u>	CW	DOMESTIC COLD WATER PIPING
	HW	DOMESTIC HOT WATER
	HWK	NATURAL CAS PIRING - 8" WATER COLUMN
G5P	G5P	NATURAL GAS 5 PSI
-HPG-	HPG	HIGH PRESSURE GAS > 5PSI
CD	CD	CONDENSATE DRAIN PIPING
C		PIPE DOWN
		PIPE BRANCH - TOP CONNECTION
<u> </u>		PIPE BRANCH - BOTTOM CONNECTION
		PIPE BRANCH – SIDE CONNECTION
]		PIPE CAP
, -		PIPE SLOPE & DIRECTION OF FALL
		THERMOMETER
p	WHA	WATER HAMMER ARRESTOR
<u> </u>		PIPE BREAK
	WCO	
	FCO/COTG	FLOOR CLEANOUT OR CLEANOUT TO GRADE
θ	FD	FLOOR DRAIN -
	FS	FLOOR SINK
	SUV PRV/GPR	SHUT OFF VALVE
		PLUG VALVE / GAS COCK
٤		PRESSURE GUAGE
	AFF	ABOVE FINISHED FLOOR
		ABOVE FINISHED GRADE
	B/C	BELOW COUNTER
	B/G	BELOW GRADE
	B/S	BELOW SLAB
	DF	DRINKING FOUNTAIN
	DWG/DWGS	DRAWING/DRAWINGS
	DN	DOWN
	EA	
	ELEV	ELEVATION
	°F	DEGREES FAHRENHEIT
		FINISHED FLOOR ELEVATION
	FT	FEET
	FT HD	FEET OF HEAD
	GPF	GALLONS PER FLUSH
	GA	GALLONS PER MINUTE
	GALV	GALVANIZED
	HB	(+18")
	IPS	IRON PIPE SIZE
	I.E.	INVERT ELEVATION
	MAX	MAXIMUM
	MECH	
	MIN	MOP SINK / SERVICE SINK
	MTD	MOUNTED
	NTS	NOT TO SCALE
	OPER	OPERATING
		PRESSURE DROP
	P&TRV	PRESSURE AND TEMPERATURE RELIEF VALVE
	QTY	QUANTITY
	SPEC	
	SUV SQ FT	SOLIARE EEET
	TYP	TYPICAL
	VTR	VENT THRU ROOF
	W.C.	WATER COLUMN
EQUIPMENT	IDENTIFICATION	N SYMBOL

27 PLUMBING SHEDULES

	F	W PIPE SIZINO	G TABLE	
SIZE	GPM	<u>FLUSH TANK FIXTURE UNITS</u>	<u>Flush valve fixture units</u>	VELOCITY
1" 2"	3.1	3	-	4.4
<u>3</u> " 4	7.2	8.0		5.0
1"	13.0	18.0	-	5.0

CW PIPE SIZING TABLE							
<u>SIZE</u>	<u>GPM</u>	FLUSH TANK FIXTURE UNITS	FLUSH VALVE FIXTURE UNITS	VELOCITY			
1" 2"	3.1	3		4.3			
3" 4	8.4	10.0		5.7			
1"	17.0	24.0	_3	6.8			
14"	29.0	51.0	12	8.0			
1 <u>1</u> "	41.0	90.0	30	8.0			
2"	72.0	236.0	116	8.0			

PRESSURE CALCULATION	IS		
			(PSI)
PRESSURE IN STREET:			65.0
PIPING LOSS: STREET MAIN TO METER			0.2
LOSS ACROSS METER			5.0
PIPING LOSS: METER TO BACKFLOW PREVENTER			0.1
LOSS ACROSS BACKFLOW PREVENTER			12.0
PIPING LOSS: BACKFLOW PREVENTER TO POC:			0.2
-			-
-			2 1
ELEVATION LOSS:			
VERTICAL DISTANCE FROM STREET MAIN TO HIGHEST OUTLET:	10.0	X 0.43 =	4.3
RESIDUAL PRESSURE REQUIRED:			20.0
PRESSURE AVAILABLE FOR FRICTION LOSSES IN BUILDING PIPING:			23.2
DEVELOPED LENGTH OF BUILDING PIPING:			160
PRESSURE AVAILABLE FOR FRICTION LOSSES PER 100 FT OF BUILDING PIPING:			14.5

TOTALS							
	TOTAL DEMAND				TOTAL GPM		
DESCRIPTION	COLD WATER	HOT WATER	SEWER	COLD WATER	HOT WATER	SEWER	
FIXTURES	5.0	2.0	3.0	3.0	2.0	1.5	

2.0 3.0 TOTALS: 5.0

FIXTURE DATA							
			тот			AL FIXTURE UNITS	
DESCRIPTION	QTY	WATER SUPPLY FIXTURE UNITS	DRAINAGE FIXTURE UNITS	COLD WATER	HOT WATER	SEWER	
WATER CLOSET	1	1.0	2.0	1.0		1.0	
BATHROOM	1	1.0	1.0	2.0	1.0	1.0	
SINK	1	1.0	2.0	2.0	1.0	1.0	
ą.							
3							

						FIXTURE SCHEDULE
ITEM	WASTE	TRAP	VENT	CW	НW	DESCRIPTION
<u>WC</u>	4"	INT	2"	1/2"	_	<u>WATER CLOSET:</u> 'KOHLER' MODEL K-3658, WHITE VITREOUS CHINA, ELONGATED BOWL, 1.28 GPF <u>SEAT:</u> 'OLSONITE' MODEL 95SSCT, HEAVY DUTY WHITE MOLDED PLASTIC WITH STAINLESS STEEL F
BATH	2"	1 1/2"	2"	1/2"	1/2"	<u>FIXTURE (ACCESSIBLE):</u> 'KOHLER' MODEL K-2035-4, VITREOUS CHINA, WITH OVERFLOW, 4" CEI <u>TRIM:</u> SYMMONS MODEL S-74-G, METERING FAUCET, MAX. OF 0.25 GAL. PER CYCLE, VANDAL WITH STOPS.
<u>SK</u>	2"	1 1/2"	2"	1/2"	1/2"	<u>FIXTURE (ACCESSIBLE):</u> 18 GAUGE, TYPE 304 STAINLESS STEEL, SELF RIM, 3-HOLE PUNCH, 25 <u>TRIM:</u> SYMMONS NO. S-235 WITH SINGLE LEVER HANDLE AND 0.5 GPM FLOW RESTRICTOR, V SUPPLIES WITH STOPS.
<u>TP</u>	-	- 1	-	1/2"	-	TRAP PRIMER: 'PRECISION PLUMBING PRODUCTS' MODEL PR-500.
<u>WHA</u>	-	-	-	-	-	PPP WATER HAMMER ARRESTER. (PER PDI WH201–94 SIZING TABLE)
						2

PLUMBING PIPE MATERIAL SCHEDULE						
SERVICE	LOCATION	PIPE MATERIAL	SLOPE			
WATED	ABOVE GRADE	ASTM B88 TYPE "L" HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS.	1/32" PER 1'			
WATER	BELOW GRADE	ASTM B88 TYPE "K" HARD DRAWN COPPER, FACTORY INSULATED, WITH WROUGHT COPPER FITTINGS.	1/32" PER 1'			
	ABOVE GRADE	ASTM A74 SERVICE WEIGHT CAST IRON, ALL FITTINGS SHALL BE AS PER CPC.	1/4" PER 1'			
SEWER AND VENT	BELOW GRADE	ABS SCHEDULE 40 (CONFORM TO ASTMD 2321-2000), ALL FITTINGS SHALL BE AS PER CPC.	1/4" PER 1'			
	ABOVE GRADE	SCHEDULE 40 GALVANIZED STEEL "BLACK" PIPE. ALL FITTINGS SHALL BE AS PER CFC.	1/4" PER 15'			
NATURAL GAS	BELOW GRADE	ABS SCHEDULE 40 (CONFORM TO ASTMD 2321-2000), ALL FITTINGS SHALL BE AS PER CPC.	1/4" PER 15'			
CONDENSATE	ABOVE GRADE	ASTM B88 TYPE "L" HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS.	1/4" PER 1'			

		PLUMBING EQUIPMENT SCHEDUL
SYMBOL	QUANTITY	DESCRIPTION
WH 1	1	<u>WATER HEATER</u> – "EEMAX" MODEL SP3208, 3.0 KW INPUT, 14.4 AMPS, 41°F RISE AT 0.5 GPM FLOW.

IPLIANT, COMPLETE WITH TANK AND CHROME TRIP LEVER AND SUPPLY WITH STOP.E STOP, OPEN FRONT AND LESS COVER. 4 K-2057 SHROUD. PROVIDE WITH CAST BRASS, CHROME PLATED, CODE APPROVED "P" TRAP AND SUPPLIES 5x5-1/2" DEEP. 'ELKAY' LRAD 2521 WITH CRUIMB CUP STRAINER. SISTANT. PROVIDE WITH CAST BRASS, CHROME PLATED, CODE APPROVED "P" TRAP AND

			ļ
NITER HAMMER ARRESTOR SCHEDULEPO.1. SIZEN.1.1.2.1.2.1.3.1.0.1.1.1.1.1.5.1.5.1			WALLCOVER AND SCREW (FIRE RATED WHERE RE BALANCE OF AS CLEANOUT
WATER HAMMER ARRESTOR ASSEMBLY DETAIL	SCALE NONE	2	WALL C
ROOF			1/2" HOT TO LAVATO
-	SCALE	5	
_	NONE	0	
,			

PARAMETERS DESIGN CBC 2022	WOOD CONSTRUCTI	ON	
WIND DESIGN 1. BASIC WIND SPEED (3-SECOND GUST), MILES PER HOUR = 92 2. WIND IMPORTANCE FACTOR, I=1.0 AND OCCUPANCY CATEGORY = II	1. STRUCTURAL LUMBER SHALL BE BEAMS STUD	E GRADE-MARKED DOUGLAS FIR-LARCH 4x OR BIGGER 2x4 OR 2x6	No. 1 & No. 2 No. 2
 WIND EXPOSURE CATEGORY: C THE APPLICABLE INTERNAL PRESSURE COEFFICIENT =0.18 	POSTS	4x OR BIGGER	No. 2
SEISMIC DESIGN 1. SEISMIC IMPORTANCE FACTOR, I=1.0, AND OCCUPANCY CATEGORY = II 2. MAPPED SPECTRA RESPONSE ACCELERATIONS, Ss=1.9g AND S1=0.82g 3. SITE CLASS = D 4. SPECTRA RESPONSE COEFFICIENTS, SDs=1.12g 5. SEISMIC DESIGN CATEGORY = E 6. BASIC SEISMIC-LIGHT FRAME WOOD WALL SHEATHED WITH WOOD STRUCTURAL PANELS 7. BASE SHEAR = 3800(ASD) 8. TOTAL BUILDING WEIGHT = 22000 LBS 9. SEISMIC RESPONSE COEFFICIENT(S), Cs=0.1723 (ASD) 10. RESPONSE MODIFICATION FACTOR(s), R =6.5 11. ANALYSIS PROCEDURE USED : EQUIVALENT LATERAL FORCE PROCEDURE 12. REDUNDANCY FACTOR USED: 1.3 13. ASSUMED BEARING VALUE OF SOILS = 1500 PSF.	 SILLS OR PLATES BEARING ON TREATED, OR EQUAL, WOOD BOLTS 4'-0" o.c. 12" MIN. FROM ARE REQUIRED, THEY SHALL G GLU-LAM BEAMS MUST BE FAB JOISTS SHALL BE BLOCKED AT ARE 2x12 OR DEEPER. JOISTS UNDER NON-BEARING F LAGBOLTS (& SCREWS) SHALL DRIVEN) INTO PLACE. CUT WASHERS SHALL BE PLAT ONE CUT WASHER SHALL BE WALLS. ALL HARDWARE USED FOR W MANUFACTURERS RECOMMENT APPROVAL AND ACCEPTANCE ALL LUMBER SHALL HAVE A 	A CONCRETE OR MASONRY WHICH IS WITHIN 48" SILL PLATES SHALL BE BOLTED TO THE FOUND ENDS, OR 2 BOLTS MIN. PER PIECE. WHERE DIF OVERN. INSTALL WITH 3"x3"x1/4" PLATE WASHEF RICATED IN A LICENSED SHOP & SHALL BE 24F-V8 T SUPPORTS AND BRIDGED OR BLOCKED AT INT PARTITIONS SHALL BE DOUBLED, EXCEPT AS NOT BE PRE-DRILLED TO SHANK DIAMETER AND FI CED UNDER HEADS AND NUTS OF ALL BOLTS A USED FOR BOLTS CONNECTING WOOD LEDGE WOOD CONNECTION SHALL BE SIMPSON STRO NDATIONS. ALTERNATE PRODUCTS WILL ONI IS OBTAINED BY ENGINEER. MOISTURE CONTENT NOT TO EXCEED 19% AT	OF EARTH SHALL BE PRE ATION WITH 5/8" DIAMETER FERENT SIZES AND/OR SP AT EACH ANCHOR BOLT. GRADE. ERVALS OF 8 FT WHERE ED. JLL DEPTH AND SCREWEI ND UNDER HEADS OF LAG RS TO CONCRETE OR MAS NG-TIE PRODUCTS. INSTAL Y BE PERMITTED IF WI
• KOUF DEAD LOAD = 20 PSF • KOUF LIVE LOAD = 20 PSF • EXT. WALL DEAD LOAD = 16 PSF • INTERIOR WALL LOAD = 10 PSF			

NAILING SCHEDULE

CONNECTIONS	NAILING
POST TO PIER PAD, TOE NAIL	3-16d OR 4-8d
GIRDER TO POST, TOE NAIL	3-16d OR 4-8d
JOIST TO SILL OR GIRDER, TOE NAIL	3-8d
BRIDGING TO JOIST, TOE NAIL EACH END	2-8d
JOISTS TO BLOCKING, END NAIL	16d TOP AND BOTT. OF EACH JOIST
RIM JOIST TO JOISTS, END NAIL	16d TOP AND BOTT. OF EACH JOIST
RIM JOIST TO SILL, TOE NAIL	16d @ 16" O.C.
FLOOR JOIST LAP @ BEARING, FACE NAIL	2-16d
1"x6" OR NARROWER SUB FLOOR SHEATHING TO EACH JOIST, FACE NAIL	2-8d
WIDER THAN 1"x6" SUB FLOOR SHEATHING TO EACH JOIST, FACE NAIL	3-8d
2" SUB FLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL	2-16d
SOLE PLATE TO JOIST OR BLOCKING NAIL	16d @ 16" O.C.
TOP PLATE TO SOLE PLATE TO STUD, END NAIL	2-16d
STUD TO SOLE PLATE	2-16d END NAIL OR 4-8d TOE NAIL
DOUBLE STUDS, FACE NAIL	16d @ 24" O.C.
DOUBLE TOP PLATES, FACE NAIL	16d @ 16" O.C.
TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL	2-16d
CONTINOUS HEADER, TWO PIECES SET ON EDGE	16d @ 16" O.C. ALONG EACH EDGE
CEILING JOISTS TO PLATE, TOE NAIL	3-8d
CONTINOUS HEADER TO STUD, TOE NAIL	4-8d
CEILING JOISTS, LAP OVER PARTITIONS, FACE NAIL	3-16d
CEILING JOISTS TO PARRALEL RAFTERS, FACE NAIL	3-16d
RAFTER TO RIDGE	3-8d
RAFTER TIES, 2" LUMBER, FACE NAIL	3-16d
RAFTER TIES, 1" LUMBER, FACE NAIL	5-8d
RAFTER TO PLATE NAIL	3-8d
1"x4" MIN. BRACE TO EACH STUD AND PLATE, FACE NAIL	2-8d
1"x8" OR NARROWER SHEATHING TO EACH BEARING, FACE NAIL	2-8d
WIDER THAN 1"x8" SHEATHING TO EACH BEARING, FACE NAIL	3-8d
BUILD-UP CONNER STUDS	16d @ 24" O.C.
* COMMON OR GALVANIZED BOX NAILS	

ICC-ES REPORT

HOLDOWNS

Phone:

oundation

Wall

Frame

Diaphragm

Others

Signature

Signature

CONSTRUCTION

STRONG WALL

CC COLUMN CAP

SSURE ER x 10" ACING

JOISTS

D (NOT

BOLTS. SONRY

LL PER RITTEN

ION OR

10. PROVIDE LEAD HOLE 40%-70% OF THREADED SHANK DIA. AND FULL DIA. FOR SMOOTH SHANK PORTION. 11. PLACE 2" FIREBLOCKING IN STUD WALLS AT CEILING AND FLOOR LEVELS, AT EACH 10' HEIGHT OF STUDS, AND BETWEEN STAIR STRINGERS AT SUPPORTS

	RESEARCH	I REPORT	
-ES REPOR LDOWNS RONG WALL COLUMN CAP	T # ESR-2330 S ESR-2652 U ESR-2604 F P	HOT PINS HANGER RAMING CLIPS ARALLAM	ESR-1799 ESR-2549 ESR-2606 ESR-1387
STRUCTURA	L OBSERVATION/ SIGNIFICAL	NT CONSTRUCTIC (Only Checked items an	DN STAGES re required)
Firm or Individual t Name: Phone:	o be responsible for the "Structural Observat Licensed Architect: California Registration Nu	ion": □ R ımber:	egistered Engineer:
ONSTRUCTION STAGE	Construction Type	Elements/Connect	tions to be observed
oundation	 Footing, Stem Walls, Piers Mat Foundation Caisson, Pile, Grade beams Stepping/Retaining Foundation, Hillside Special Anchors Others: 	Holddown Anchors	
all	□ Concrete □ Masonry ➤ Wood □ Others:	Shear Wall Nailing	
ame	☐ Steel Moment Frame ☐ Steel Braced Frame ☐ Concrete Moment Frame ☐ Masonry Moment Frame ☐ Others:		
aphragm	□Concrete □Steel Deck ▼Wood □Others:	Plywood & Nailing	
hers			

DECLARATION BY OWNER OR OWNER'S REPRESENTATIVE

I, the owner of the project the owner's representative, declare that the above listed firm or individual is hired by me to be the Structural Observer.

DECLARATION BY ARCHITECT OR ENGINEER OF RECORD (required if the Structural Observer is different from the Architect or Engineer of Record)

I, the Architect or Engineer of Record for the project, declare that the above listed firm or individual is designated by me to be responsible for the "Structural Observation').

License No.

Date

GENERAL NOTES FOR STRUCTURAL OBSERVATION:

- STRUCTURAL OBSERVATION IS REQUIRED FOR THE STRUCTURAL SYSTEM IN ACCORDANCE WITH THE INFORMATION BULLETIN CBC SECTION 1704 STRUCTURAL OBSERVATION IS THE VISUAL OBSERVATION AT THE CONSTRUCTION SITE OF THE ELEMENTS AND CONNECTIONS OF THE STRUCTURAL SYSTEM AT SIGNIFICANT CONSTRUCTION STAGES AND THE COMPLETE STRUCTURE FOR GENERAL CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS. STRUCTURAL OBSERVATION DOES NOT WAIVE THE RESPONSIBILITY FOR THE INSPECTIONS REQUIRED OF THE BUILDING INSPECTOR OR THE DEPUTY INSPECTOR.
- 2. THE OWNER SHALL EMPLOY A STATE OF CALIFORNIA REGISTERED CIVIL OR STRUCTURAL ENGINEER OR LICENSED ARCHITECT TO PERFORM THE STRUCTURAL OBSERVATION. THE DEPARTMENT OF BUILDING AND RECOMMENDS THE USE OF THE ENGINEER OR ARCHITECT RESPONSIBLE FOR THE SAFETY STRUCTURAL DESIGN WHO ARE INDEPENDENT OF THE CONTRACTOR.
- 3. THE STRUCTURAL OBSERVER SHALL PROVIDE EVIDENCE OF EMPLOYMENT BY THE OWNER OR THE OWNER'S REPRESENTATIVE. A LETTER FROM THE OWNER, THE OWNER'S REPRESENTATIVE, OR A COPY OF THE AGREEMENT FOR SERVICES SHALL BE SENT TO THE BUILDING INSPECTOR BEFORE THE FIRST SITE VISIT.
- THE OWNER OR OWNER'S REPRESENTATIVE SHALL COORDINATE AND CALL FOR A MEETING BETWEEN THE ENGINEER OR ARCHITECT RESPONSIBLE FOR THE STRUCTURAL DESIGN, STRUCTURAL OBSERVER, CONTRACTOR, AFFECTED SUBCONTRACTORS AND DEPUTY INSPECTORS. THE PURPOSE OF THE MEETING SHALL BE TO IDENTIFY THE MAJOR STRUCTURAL ELEMENTS AND CONNECTIONS THAT AFFECT THE VERTICAL AND LATERAL LOAD SYSTEMS OF THE STRUCTURE AND TO REVIEW SCHEDULING OF THE REQUIRED OBSERVATIONS. A RECORD OF THE MEETING SHALL BE INCLUDED IN THE FIRST OBSERVATION REPORT SUBMITTED TO THE BUILDING INSPECTOR.
- THE STRUCTURAL OBSERVER SHALL PERFORM SITE VISITS AT THOSE STEPS IN THE PROGRESS OF THE WORK THAT ALLOW FOR CORRECTION OF DEFICIENCIES WITHOUT SUBSTANTIAL EFFORT OR UNCOVERING OF THE WORK INVOLVED. AT A MINIMUM, THE LISTED SIGNIFICANT CONSTRUCTION STAGES ON THE FOLLOWING STRUCTURAL OBSERVATION/SIGNIFICANT CONSTRUCTION STAGES TABLE REQUIRE A SITE VISIT AND AN OBSERVATION REPORT FROM THE STRUCTURAL OBSERVER.
- 6. THE STRUCTURAL OBSERVER SHALL PREPARE A REPORT OF THE STRUCTURAL OBSERVATION REPORT FORM IN/FORM.08 (PART 1) FOR EACH SIGNIFICANT STAGE OF CONSTRUCTION OBSERVED. THE ORIGINAL OF THE STRUCTURAL OBSERVATION REPORT SHALL BE SENT TO THE BUILDING INSPECTOR'S OFFICE AND SHALL BE SIGNED AND SEALED (WET STAMP) BY THE RESPONSIBLE STRUCTURAL OBSERVER. ONE COPY OF THE OBSERVATION REPORT SHALL BE ATTACHED TO THE APPROVED PLANS. THE COPY ATTACHED TO THE PLANS SHALL BE SIGNED AND SEALED (WET STAMP) BY THE RESPONSIBLE STRUCTURAL OBSERVER OR THEIR DESIGNEE. COPIES OF THE REPORT SHALL ALSO BE GIVEN TO THE OWNER, CONTRACTOR, AND DEPUTY INSPECTOR. ANY DEFICIENCY NOTED ON THE OBSERVATION REPORT WILL BECOME THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER OF RECORD TO VERIFY ITS COMPLETION BY HIM (HER), OR BY A REGISTERED DEPUTY INSPECTOR AT THE DISCRETION OF THE STRUCTURAL OBSERVER.
- 7. A FINAL OBSERVATION REPORT AND THAT OF THE REGISTERED DEPUTY INSPECTOR MUST BE SUBMITTED WHICH SHOWS THAT ALL OBSERVED DEFICIENCIES WERE RESOLVED AND STRUCTURAL SYSTEM GENERALLY CONFORMS WITH THE APPROVED PLANS AND SPECIFICATIONS. THE DEPARTMENT OF BUILDING AND SAFETY WILL NOT ACCEPT THE STRUCTURAL WORK WITHOUT THIS FINAL OBSERVATION REPORT AND THAT OF THE REGISTERED DEPUTY INSPECTOR (WHEN | K(KIP) PROVIDED) AND THE CORRECTION OF SPECIFIC DEFICIENCIES NOTED DURING NORMAL BUILDING INSPECTION.
- THE STRUCTURAL OBSERVER SHALL PROVIDE THE ORIGINAL STAMPED AND SIGNED STRUCTURAL DEPARTMENT OF BUILDING AND SAFETY BUILDING THE COUNTY OF SANTA CLARA OBSERVATION REPORT TO INSPECTOR.
- WHEN THE OWNER ELECTS TO CHANGE THE STRUCTURAL OBSERVER OF RECORD, THE OWNER SHALL:

A) NOTIFY THE BUILDING INSPECTOR IN WRITING BEFORE THE NEXT INSPECTION BY SUBMITTING COMPLETED "STRUCTURAL OBSERVATION PROGRAM AND DESIGNATION OF THE STRUCTURAL OBSERVER" FORM IN/FORM.08 (PART 2)

B) CALL AN ADDITIONAL RECONSTRUCTION MEETING.

C) FURNISH THE REPLACEMENT STRUCTURAL OBSERVER WITH A COPY OF ALL PREVIOUS OBSERVATION REPORTS. THE REPLACEMENT STRUCTURAL OBSERVER SHALL APPROVE THE CORRECTION OF THE ORIGINAL OBSERVED DEFICIENCIES UNLESS OTHERWISE APPROVED BY PLAN CHECK SUPERVISION. THE POLICY OF THE DEPARTMENT SHALL BE TO CORRECT ANY PROPERTY NOTED DEFICIENCIES WITHOUT CONSIDERATION OF THEIR SOURCE.

10. THE ENGINEER OR ARCHITECT OF RECORD SHALL DEVELOP ALL CHANGES RELATING TO THE STRUCTURAL SYSTEMS. THE BUILDING DEPARTMENT SHALL REVIEW AND APPROVE ALL CHANGES TO THE APPROVED PLANS AND SPECIFICATIONS.

A.B.C.

A.F.F.

ALT.

A.B.

BM

B.F.F

B.O.B.

B.O.D.

B.O.F.

BRG

C.I.P.

CJ

C.IP

C.L.

C.L.B.

C.L.C.

C.L.F.

C.L.L.

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C.L.W.

CONC.

C.M.U.

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F.O.W.

GALV

GA

G.S.N.

GLB

I.F.W.

HORIZ

LBS (#) LLH

LLV

LSH

LSV

MFR('S)

MAS C.J.

MECH'L

MLB

N/A

0.C.

OPP

P.C.

PLF

PSF

PSI

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RR

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SLV

SIM

SQ.

STD

T.L.

T.O.B.

T.O.D.

T.O.F.

T.O.L.

T.O.M.

T.O.P.

T.O.AS.

T.O.W.

U.N.O.

VERT

W.W.F.

W/

W/O

REINF

PREFAB

N.T.S.

O.F.W.

FJ

CONC C.J. CONC S.J.

ABBREVIATIONS — AGGREGATE BASE COURSE ------ ABOVE FINISHED FLOOR ------ ALTERNATE ------ ANCHOR BOLT — AT (MEASUREMENT) ———— BEAM

------ BELOW FINISHED FLOOR ———— BOTTOM OF BEAM BOTTOM OF DECK BOTTOM OF FOOTING ------ BEARING — CAST IN PLACE CEILING JOIST — COMPLETE JOINT PENETRATION - CENTERLINE CENTERLINE OF BEAM CENTERLINE OF COLUMN CENTERLINE OF FOOTING CENTERLINE OF LEDGER CENTERLINE OF WALL - CLEAR ------ CONCRETE CONCRETE CONTROL JOINT - CONCRETE SAWCUT JOINT - CONCRETE MASONRY UNIT - CONNECTION - CONTINUOUS ----------- DEGREE - DEAD LOAD — DIAMETER - DOWN — DRAWING(S) EDGE OF SLAB - EQUAL EQUIPMENT - EXPANSION BOLT EXP. JT (E.J.) — EXPANSION JOINT - EACH WAY - FINISHED FLOOR _____ — FLOOR JOIST ------ FACE OF MEMBER ------ FACE OF STEEL FACE OF WALL - GAGE GALVANIZED GENERAL STRUCT'L NOTES GLUED-LAMINATED BEAM INSIDE FACE OF WALL HORIZONTAL _____ 1000 POUNDS - LIVE LOAD - POUNDS – LONG LEG HORIZONTAL - LONG LEG VERTICAL LONG SIDE HORIZONTAL — LONG SIDE VERTICAL MANUFACTURER('S) - MASONRY CONTROL JOINT - MECHANICAL - MICROLLAM BEAM — NOT APPLICABLE ----- NOT TO SCALE — ON CENTER ------ OUTSIDE FACE OF WALL ------ OPPOSITE PRECAST CONCRETE POUNDS PER LINEAR FOOT PREFABRICATED POUNDS PER SQUARE FOOT - POUNDS PER SQUARE INCH ------ REINFORCING ROOF JOIST — ROOF RAFTER . SHORT LEG HORIZONTAL SHORT LEG VERTICAL _____ SIMILAR - SQUARE -----_____ STANDARD — TOTAL LOAD TOP OF BEAM TOP OF DECK TOP OF FOOTING — TOP OF LEDGER TOP OF MASONRY — TOP OF PLATE ------ TOP OF STEEL TOP OF WALL ------- UNLESS NOTED OTHERWISE - VERTICAL WELDED WIRE FABRIC - WITH _____ - WITHOUT

nn	oDez
ddress:	Foxbrough pl Pleasanton, CA. 94566
ione:	(424) 414-0997
'eb site:	www.innodez.com
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CLIENT:

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NOTES:

1. ALL DIMENSIONS HEREIN ARE IN IMPERIAL UNITS UNLESS STATED OTHERWISE. 2. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT DESIGNER, ENGINEER OR SPECIALIST DRAWINGS AND SPECIFICATIONS. 3. THE CONTRACTOR MUST CHECK ALL DIMENSION AT SITE BEFORE COMMENCING WORK. 4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY SUPPORT TO THE BUILDING AND ANY ADJACENT STRUCTURES. C 77440 DESCRIPTION DATE | BY (REV. NO PROJECT: STEVENS CREEK TITLE: GENERAL NOTES SCALE @ 24X36: PROJ. NO. | PROJ. ENGR. 1/2"=1'-0" DATE : June 30, 2023 DRAWING NO. REV. **S** - 1 . 1

Shear Wall Table Schedule

Wall ID	Sheathing	Panel Nailing		Blk'a to Sill & top plate Anchor Bol ^f		Bolt Bolt		Bolt Edge Distance	Shear	Sill-Plate	Min. Blkg.	Special
Material	Material	Edges	Fields	DBL plate connection	Spacing	Embedment	New Footing	Existing Footing	(lbs/ft)	Connection	Thk. below Sill-Plate	Inspection
	1/2" PLY'D BLOCKED	8d @ 6" o.c.	8d @ 12" o.c.	A35 @ 48" o.c. to blk'g	⁵ / ₈ " @ 48" o.c.	7"	1.75"	2"	220	SDS25312 @ 6" o.c.	2x-2x	No
2	1/2" PLY'D BLOCKED	8d @ 4" o.c.	8d @ 12" o.c.	A35 @ 36" o.c. to blk'g	⁵ / ₈ " @ 36" o.c.	7"	1.75"	2"	320	SDS25412 @ 6" o.c.	2x-2x	No

1) This nailing schedule is for common nails only and all panels edges fastened to framing. Plywood can be installed either horizontally or vertically. 2) Use square plate washers 3" x 3" x 1/4" thk. for 5/8" diameter bolts.

	HOLDOWN SCHEDULE								
MARK	HOLDOWN	END POST	UPLIFT CAPACITY	WALL ATTACHMENT	SILL/STEM ATTACHMENT	HOLDOWN DETAIL			
HDU2	HDU2	4x6 DF#2	2.3 kips	AS PER MANUFACTURER	5/8" DIA. ANCHOR BOLTS W/ 10" EMBEDMENT, SPL. INSPECTION REQD.	SEE DETAIL - 3/S1.3			

<u>NOTE:-</u> 1. H

HOLDOWNS SHALL BE MANUFACTURED BY SIMPSON OR SHALL BE OF EQUIVALENT

CAPACITY W/ A ICC ESR REPORTS.

SEE "SHEAR WALL" SCHEDULE FOR SHEARWALL REQUIREMENTS AND DESIGNATIONS. 2. REFER TO PLANS FOR HOLDOWN LOCATIONS. 3.

4. USE HOLDOWNS AS PER CAPACITY GIVEN IN THE TABLE IF CHANGE IN SHEARWALL REQUIRED ON SITE.

			FOOTING SCHEDULE		
MARK	SIZE	DEPTH	REINFORCEMENT	CONCRETE F'c	DEPUTY IN
(E)WF	12" WIDE	18"	SITE VER	FY	

HEADER SCHEDULE								
MARK	HDR SIZE	HDR POST	JAMB					
HDR - 1	4x6 DF#2	2-2x4 DF#2	2-2x4 DF#2					

UTY INSP.

InnoDez

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DUPLICATED, USED OR DISCLOSED WITHOUT

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Address:	Foxbrough pl
	Pleasanton, CA. 94566
Phone:	(424) 414-0997
Web site:	www.innodez.com
Email:	hello@innodez.com
CLIENT:	
22	65 STEVENS CREEK
BLVI	D SAN JOSE, CA 95126
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TYPICAL SECTION

SCALE @ 24X36:

REV.

1/2"=1'-0"

PROJ. NO. PROJ. ENGR.

TITLE:

DATE :

June 30, 2023

DRAWING NO.

S-1.3

SYMBOL LEGEND

4"x6" DF#2 W/ POST BASE SIMPSON - PB44

2x4 DF#2 AT 16" O.C. WOOD STUD WALL

EXISTING WOOD STUD WALL

HDR#

14'-6" (E) HDU#

HEADER, REFER SCHEDULE- ON SHEET S1.2 INDICATES SHEAR WALL; REFER SCHEDULE- ON SHEET S1.2

INDICATES SHEAR WALL ID.

SHOWING EXISTING

HOLDOWN, REFER SCHEDULE- ON SHEET S1.2

InnoDez Address: Foxbrough pl Pleasanton, CA. 94566 (424) 414-0997 Phone:

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CLIENT:

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2265 STEVENS CREEK BLVD SAN JOSE, CA 95126

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ROOF FRAMING NOTES

- 1. ROOF SHEATHING SHALL BE 3/4" PLYWOOD, CD-X P11 32/16, w/ 8d COMMON NAILS @ 6", 12" O.C.
- 2. ALL SHEAR WALLS ARE FULL HEIGHT TO THE ROOF AND FLOOR DIAPHRAGM.
- 3. ALL WALL POSTS ARE 4x4 MINIMUM U.N.O.
- 4. ALL POSTS SHALL BE CONNECTED TO SILL PLATE WITH "A35" AT EA. SIDE TYP. UNLESS HARDWARE IS NOTED ON PLAN.
- 5. ALL EXT. WALLS, SHEAR WALLS & BEARING WALLS EXCEEDING 10'-0" AND LESS THAN 15'-0" HEIGHT SHALL BE 2x6 OR 3x4 @ 16" O.C.
- 6. ALL WOOD BEAMS, COLUMNS & POST U.N.O. SHALL BE: 2x MEMBER D.F. #1 OR BETTER 4x MEMBER D.F. #1 OR BETTER
- 2x STUDS D.F. #1 OR BETTER 6. ALL WOOD JOISTS, STUDS, PLATES & RAFTERS U.N.O. SHALL BE: 2x MEMBER D.F. #2 OR BETTER 4x MEMBER D.F. #2 OR BETTER D.F. #2 OR BETTER 2x STUDS
- 7. ALL DIAPHRAGM AND SHEAR WALL NAILING SHALL UTILIZE COMMON NAILS OR GALVANIZED BOX.
- 8. FASTENERS IN PRESERVATIVE TREATED WOOD OR FIRE RETARDANT TREATED WOOD SHALL BE OF HOT ZINC COATED GALVANIZED STEEL OR STAINLESS STEEL.
- 9. ROOF DIAPHRAGM NAILING TO BE INSPECTED BEFORE COVERING FACE GRAIN OF PLYWOOD SHALL BE PERPENDICULAR TO SUPPORTS. PLYWOOD SPANS SHALL CONFORM TABLE 2304.7

4"x6" DF#2 W/ POST BASE SIMPSON - PB44

2x4 DF#2 AT 16" O.C. WOOD STUD WALL

HEADER, REFER SCHEDULE- ON SHEET S1.2

SYMBOL LEGEND

P1	\boxtimes

EXISTING WOOD STUD WALL

HDR#

|1>

(E)

HDU#

14'-6"

INDICATES SHEAR WALL; REFER SCHEDULE- ON SHEET S1.2

INDICATES SHEAR WALL ID.

SHOWING EXISTING HOLDOWN, REFER SCHEDULE- ON SHEET S1.2

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