APPLICABLE CODES								PLUMBING FIXTURE SCHEDULE													
ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE FOLLOWING: LIST OF 2016 CALIFORNIA CODE OF REGULATIONS (C.C.R.)								ROUGH-IN SERVICES				I SERVIC	ES		DESCRIPTI	ION					
A P	PPLICABLE CODES AS ROJECT SHALL COMP	S OF JULY 1 20 LY WITH DSRSD	REGULATIONS	•								ITEM	FIXTURE		HOT	WASTE	VENT	COMPLIANCE W/ U LEAD FREE	PC SECTION 402, 408.2.2, 41	3.1, WATER CONSEP	RVATION & AB 1953
<u>A</u> PART 1—	<u>PPLICABLE_CODES:</u> 2016 California Standar	DS ADMINISTRATIVE	CODE, TITLE 24 (C.C.R.										WATER	WATER			CONSULT WITH ARC	CHITECT/OWNER FOR SPECIFIC	ATION, REQUIREMEN	IT & COLOR
PART 2-	2016 CALIFORNIA BUILDING (WITH 2016 U.B.C. FOR V	CODE (CBC), TITLE DL. 1 AND 2 AND 2	E 24, C.C.R., VOL 2010 U.B.C. FOR	UMES 1,2, AND : VOL. 2B.)	28.							$\left \left\langle \begin{array}{c} WC \\ 1 \end{array} \right\rangle \right $	WATER CLOSET	3/4"		3"	2"	AMERICAN STANDARD CA	DET PRO ELONGATED, 1.28 GPF, ADA (COMPLIANT. COLOR: WHITE	Ξ
PART 3-	2016 California electric (With 2011 National ele	AL CODE, TITLE 24, CTRICAL CODE OF N	, C.C.R. NATIONAL FIRE PRO	DTECTION ASSOCI	IATION)									1/2"	1/2"	2"	2"	KOHLER BRYANT 20 1/8	" X 16 1/2" OVAL WHITE, DROP-IN.		
PART 4-	2016 CALIFORNIA PLUMBIN (WITH 2012 UNIFORM PLUI AND MECHANICAL OFFICIALS	G CODE, TITLE 24, MBING CODE OF INT	C.C.R. ERNATIONAL ASSO	ciation of plun	MBING							$\left \begin{array}{c} \frac{1}{1} \end{array} \right $					2	K26994-4-0 Delta single handle f	AUCET #523LFHDF ADA.		
PART 5-	2016 CALIFORNIA ENERGY	CODE, TITLE 24 C.C	C.R & PART 7.									ζ L \	LAVATORY	1/2"	1/2"	2"	2"	AMERICAN STANDARD LU	CERNE WALL-HUNG LAVATORY, WHITE	4" CENTER HOLE #0356.0	41
PART 6- 2 PART 8- 2	2016 CALIFORNIA ELEVATO	DE, TITLE 24, C.C.R.		. 24 C.C.R.								2						DELTA SINGLE HANDLE F	AUCET #523LFHDF ADA.		
	(WITH 2009 UNIFORM FIRE AND THE WESTERN FIRE C	CODE OF INTERNAT HIEFS ASSOCIATION.)	TIONAL CONFERENCE)	CE OF BUILDING	OFFICIALS							$\left \begin{array}{c} BT \\ 1 \end{array} \right $	BATHTUB	3/4"	3/4"	2"	2"	AS SPECIFIED BY DEVELO	OPER, ANGLE STOPS SHALL BE 1/4" TU	JRN BALL VALVE STYLE.	
PART 10- 2 PART 11- 2	2016 California Referen 2016 California Green e	uilding code, titli	DE, IIILE 24 C.C.I E 24 C.C.R.	κ.														DELIA #R10000-UNWS, S	SHOWER HEAD NOT TO EXCEED 1.5 GPN	A	
PART 11- 2	2016 CALIFORNIA MECHAN	CAL CODE, PART 5.										$\left\langle \begin{array}{c} BT \\ 2 \end{array} \right\rangle$	BATHTUB	3/4"	3/4"	2"	2"	AS SPECIFIED BY DEVELO	OPER, ANGLE STOPS SHALL BE 1/4" TU SHOWER HEAD NOT TO EXCEED 1.5 GPM	JRN BALL VALVE STYLE.	
				TITLE	24 AN	D APPL	lCABL	E CODES						_ (- (n	
1. ALL	HOT WATER P	PING SHALL	. BE INSUL	ATED WITH	I THERMA	ACEL" OR		VED EQUAL,				$\left\langle \begin{array}{c} SH \\ 1 \end{array} \right\rangle$	SHOWER	3/4″	3/4	2"	2"	AS SPECIFIED BY DEVELO DELTA #R10000-UNWS, S	OPER, ANGLE STOPS SHALL BE 1/4" TU SHOWER HEAD NOT TO EXCEED 1.5 GPN	JRN BALL VALVE STYLE. 1	
1" MIN	THICK FOR SIZE	UP TO 2"; RESISTANCE	$1\frac{1}{2}$ " THIC SHALL BE	K FOR SIZ E R=4.0 T	ZE UP TO "O 4.6" PE	21⁄2" AN! ER INCH.	D LARC	ER.										<i>"</i>			
2. ALL	PLUMBING WO	RK, FIXTURE	S, EQUIPME	ENTS, AND	MATERIA	LS SHALL	L COMP	LY WITH THE	FOLLOWING	G CODES AS AD	OPTED	$\left\langle 1 \right\rangle$	OVEN					AS SPECIFIED BY DEVELO	PPER.		
ANI NO	T CONFORMING	THE INSPEC	ODES OR (OTHERS AF	PPLICABLE	TO THESE I	3 PROJE	ICT.	CONSTRUE	D TO PERMIT W	URK	<u></u>	KITCHEN SINK	3/4"	3/4"	2"	ົ?"	33" X 22" DOUBLE BOW	NL, DROP-IN, SELF RIMMING, 8" DEEP,	THREE HOLE STAINLESS S	TEEL. HDS # 500872.
— TI	TLE 24 PART 1	& 2 OF CC	DDE OF RE	GULATION	2016 WIT	H CALIFO	RNIA						1-COMPART.				2	DELTA SINGLE HANDLE # INSINK ERATOR BADGER	100LFWF, NO SPRAY HOSE. DELTA AER. 500 1/2" WITH CORD GARBAGE DISPOS	ATOR FLOW TO BE LESS ⁻ SAL.	THAN 1.5 GPM.
AME – API	NDMENT PARTS PLICABLE CODES:	1, 2, 3, 4,	5, 9 AND	12.										3/1"	3/4"	0"	0"				
201	6 CBC 2016	T-24 ENEGRY	STANDARDS									$\left\langle \begin{array}{c} 3 \\ 1 \end{array} \right\rangle$	1-COMPART.	5/4			2	AS SPECIFIED BY DEVELO	JPER.		
201 201	ы СЕС 2016 6 СМС	CFC												Z / A "	Z /A"		~ "				
– TI	TLE 19, C.C.R. PUBL	IC SAFETY, ST	ATE FIRE MAI	RSHAL REGU	LATIONS.							$\left\langle \begin{array}{c} 0 \\ 1 \end{array} \right\rangle$	NLUTH WASHER	3/4	5/4		2	ILINERGI STAR. COMPLY I	יווח נפט 4.303.3 ENERGY STAR MAXI	mum use. specified BY [JE VELUPEK.
	S	ANDARD	ABBREV	/IATION			S	TANDARD F		G LEGEND				1							
	AP	ACCESS F	PANEL		- -							$\begin{pmatrix} CD \\ 1 \end{pmatrix}$	STACKED					ENERGY STAR. SPECIFIED	BY DEVELOPER.		
	ARCH	ARCHITEC	CT OR ARCH	HITECTURA	└│ ╞				COLD WA	TER											
	CI	CAST IRO	N				_	HW	HOT WAT	ER			TRAP PRIMER	1/2"				PRECISION PLUMBING PR	DDUCTS PR01-500.		
	DN	DOWN						W or S	WASTE O	R SOIL (ABOVE	FLOOR)										
	(E) FT	EXISTING	ET					W or S	WASTE O	R SOIL (BELOW	FLOOR)										
	FT	FLUSH TA		T			1	WCO	WALL CL	EANOUT									-		
	GРМ НР	HORSE P	OWER	IE			<u> </u>	SOV		F VALVE	SFR	- REF - VAL	VES, PIPING, P			NGS FOR RES, & E		ATION OF ADA UNIT	S. MITH AB1953 LEAD FREE REQ	UIREMENT.	
	HZ							WHA	WATER H	IAMMER ARREST	OR	– ALL – ALL	. FIXTURE SHAL . NEW PLUMBING	L MEET G FIXTUF	HIGH EI RES ANI	FFICIENC	r ordin S Shal	ANCE. _ NOT EXCEED THE	MAXIMUM ALLOWABLE FLOW	RATES SPECIFIED T	ABLE BELOW.
	MAX	MAXIMUM				•		P.0.C.	POINT OF	F CONNECTION							FIXT	JRE ELOW R	ATE TABLE		
	MECH. MIN	MECHANIC	CAL																		
	SOV	SHUT OFF	F VALVE										FIX.	TURE TY	ΈE				MAXIMUM FLOW	V RAIE	
	V VTR	VENT VENT TO	ROOF										SHO	OWERHEA	ADS				1.75 GPM @	80 PSI	
						21 \ 1	90	יחבטו					LAVATO	DRY FAU	ICET, RE	ESIDENTIA	L		1.5 GPM @ 6	0 PSI	
			I II L	_ IVI/-			90						KITCH	EN FAU	CETS		0		1.5 GPM @ 6	0 PSI	
						MATERIAL	LS						GRAVITY	IANK-I					1.28 GALLONS	S/FLUSH	
				\square			/w/						FLUSHOM						1.28 GALLONS		
					v / 5 / /	2 2 2	2//	11/2				ELECTROMECHANICAL HYDRAULIC WATER CLOSETS 1.28 GALLONS/FLUSH									
S	FRVICE			5 5 8 8		5/X/4/4				NOT	FS	URINALS 0.5 GALLONS/FLUSH									
				\	?) Nia					1 INCI									
) & & 	₹ 240 240		2/2 2/3	\$				SI	NGLE FLUSH TO	DILETS -			E FLUS	VOLUME SHALL N	OT EXCEED 1.28 GALLONS (4.	.8 LITERS). THE EFF	ECTIVE
	INSIDE ABO	VE FLOOR						CPVC BUILD	ING RISEF	RS								WHEN IESTED IN A	CORDANCE WITH ASME ATT2		
WATER							++	PEX ONLY	NSTALLED	FR CPC 2016	JNITS		OLUME IS DEFIN	IED AS	THE CO	MPOSITE,	AVERA	SE FLUSH VOLUME	OF TWO REDUCED FLUSHES A	ND ONE FULL FLUS	H. FLUSH
		RU SLAB											ATODY FALLE					TELESS THAN OR	CDM AT 20 DSL		
	OUTSIDE							REFER TO	CIVIL PLAN	NS FOR CONFIF	RMATION	Z. LAV	ATURT FAUCET	5 SHALL		AVE A F		IE LESS IMAN U.O	GPM AT ZU PSI.		
WASTE/VENT		ALL FLOORS																			
						+	-++					-									
	BELOW FLOOR							AS APPROV	ED BY AU	THORITY HAVING	G JURISDICTION	-									
	INSIDE					+++	\rightarrow					-									
	OUTSIDE ABO	OVE FLOOR				+++	$\dashv \downarrow$	BELOW SLAE				4									
	EXPOSED TO	WEATHER																			
CONDENSATE	ABOVE FLOOR																				
						+++	+				NG .ILIRISDICTION	-				FIN	shed wai	L			
	BELOW FLOOR						+	AS APPRO	VED BY A	UTHORITY HAVI	NG JURISDICTION			 		THR	eaded Cl Jg	EANOUT			R SPACE
PUMP	ABOVE FLOOR							AS APPRO	VED BY A	UTHORITY HAVI	NG JURISDICTION						/FR DI ^ TT	WITH	CONTINUOUS 3M		0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
DISCHARGE	BELOW FLOOR					+		AS APPRC	VED BY A	UTHORITY HAVI	NG JURISDICTION					SEC	URING SC	REW	OR EQUAL(TYP. BOTH SIDES)	∖	RAIED WALL
INDIRECT	ABOVE FLOOR														<u> </u>				1/4" Elastomeric	<u>/ Ш.</u>	<u> </u>
WASIE									000 001			-			\sim	TEST	TEE		WRAP STRIP WITH FOIL FACE 2 INCHES WIDE		
– INSTALL – INSTALL	ATION OF CAS	WATER PI	IPING SHA	LL COMP	'LY WITH	SECTION	H SEC ↓ 604.1	1.2 PEX, CP	C 2016.	O. FUR MURE	THAN 2 STORT						IUB GASK	т	BIND WITH STEEL WIRE OR ALUMINUM FOIL TAPE)	$\left(\frac{1}{\lambda} \right)$
- INSTALL	ATION OF GAS	S PIPING SH	HALL COM	IPLY WITH		N 1209.5	5.4, CF	PC 2016.	16							& S⊦	IELD		EQUAL (TYP. BOTH SIDES)		
- INSTALL	C PIPING INST	ALLATIONS	SHALL B	E INSTAL	LED PER	CHAPTE	IN 004. ER 15	FOR "FIRES	TOP PROTE	ECTION" WHERE	E NEEDED.		NO-HUB' W/COVER PLATE						NOTE:	Ш	\
– USE FLO	WGUARD GOLD	CPVC (SD)R 11) PIF	PE & FITT	TING FOR	WATER	PIPE S	SIZE OF 2 II	NCH AND	SMALLER.			Γ						FOR UNINSULATED PIPE WRAP STRIP N ANNULAR SPACE SHALL BE 0-3/16 IN	MAY BE ELIMINATED AND NCH, WITH CAULK ONLY.	<u> </u>
- USE COR	ZAN CPVC SC POSED GAS PIE	HEDULE 80 PING SHALL) FOR WA	TER PIPE	GAINST	2-1/2' CORROSI	AND	LARGER.	R WRAPPI	NG WITH AN 11	NERT MATERIAI		COORDI W/ARCH	NATE FIN	NISHES, RIOR TO	COLOR,	AND LO	CATION	DETAIL SHOWN IS UL SYSTEM NO. 147 SYSTEMS MAY BE USED, SUBMIT FOR	, OTHER UL LISTED REVIEW	
APPROVE	ED FOR SUCH	APPLICATIO	DN.				ال]			
FOR TH	IE USE OF CF	VC SUPPL	Y PIPING,	CONTRA	CTOR SH	IALL PR(SPECIFICATI	ONS												
FOR TH 2016 C	1Ε CERTIFICAT CPC 604.1.1 (α	IUN OF CO 1) & (e). F	MPLIANCE	. AND TH PEX PIPII	1E WORKI NG, CON'	-R SAFE	.IY PR ₹ SHAI	UGRAM, PEI L PROVIDE	۲				WALLC		-01 IT	DETAI		SCALE	ΡΙΡΕ ΤΗΡΙΙ Μ/ΔΙ		SCALE
SPECIF 604.1.2	ICATIONS FOR	THE CÉRT	IFICATION	OF INST	ALLATION	I PER 2	2016 C	PC SEC.								// \/	-	NONE			NONE

	PLUMBING FIXTURE SCHEDULE											
	ROUGH-IN SERVICES			ES	DESCRIPTION							
URE COLD HOT WASTE VENT COMPLIANCE W/ UPC SECTION 402, 408.2. WATER WATER WASTE VENT COMPLIANCE W/ UPC SECTION 402, 408.2.		VENT	COMPLIANCE W/ UPC SECTION 402, 408.2.2, 413.1, WATER CONSERVATION & AB 1953 LEAD FREE CONSULT WITH ARCHITECT/OWNER FOR SPECIFICATION, REQUIREMENT & COLOR									
CLOSET	3/4"		3"	2"	AMERICAN STANDARD CADET PRO ELONGATED, 1.28 GPF, ADA COMPLIANT. COLOR: WHITE							
TORY	1/2"	1/2"	2"	2"	KOHLER BRYANT 20 1/8" X 16 1/2" OVAL WHITE, DROP-IN. K26994-4-0 DELTA SINGLE HANDLE FAUCET #523LFHDF ADA.							
ATORY	1/2"	1/2"	2"	2"	AMERICAN STANDARD LUCERNE WALL-HUNG LAVATORY, WHITE 4" CENTER HOLE #0356.041 DELTA SINGLE HANDLE FAUCET #523LFHDF ADA.							
HTUB	3/4"	3/4"	2"	2"	AS SPECIFIED BY DEVELOPER, ANGLE STOPS SHALL BE 1/4" TURN BALL VALVE STYLE. DELTA #R10000-UNWS, SHOWER HEAD NOT TO EXCEED 1.5 GPM							
HTUB	3/4"	3/4"	2"	2"	AS SPECIFIED BY DEVELOPER, ANGLE STOPS SHALL BE 1/4" TURN BALL VALVE STYLE. DELTA #R10000-UNWS, SHOWER HEAD NOT TO EXCEED 1.5 GPM							
WER	3/4"	3/4"	2"	2"	AS SPECIFIED BY DEVELOPER, ANGLE STOPS SHALL BE 1/4" TURN BALL VALVE STYLE. DELTA #R10000-UNWS, SHOWER HEAD NOT TO EXCEED 1.5 GPM							
IGE/ ÆN					AS SPECIFIED BY DEVELOPER.							
N SINK IPART.	3/4"	3/4"	2"	2"	33" X 22" DOUBLE BOWL, DROP-IN, SELF RIMMING, 8" DEEP, THREE HOLE STAINLESS STEEL. HDS #500872. DELTA SINGLE HANDLE #100LFWF, NO SPRAY HOSE. DELTA AERATOR FLOW TO BE LESS THAN 1.5 GPM. INSINK ERATOR BADGER 500 1/2" WITH CORD GARBAGE DISPOSAL.							
RY SINK MPART.	3/4"	3/4"	2"	2"	AS SPECIFIED BY DEVELOPER.							
WASHER	3/4"	3/4"	2"	2"	ENERGY STAR. COMPLY WITH CGBC 4.303.3 ENERGY STAR MAXIMUM USE. SPECIFIED BY DEVELOPER.							
DRYER CKED					ENERGY STAR. SPECIFIED BY DEVELOPER.							
PRIMER	1/2"				PRECISION PLUMBING PRODUCTS PRO1-500.							
ARCHITE	CTURAL		IGS FOR	DESIGN	ATION OF ADA UNITS.							

FIXTURE FLO	W RATE TABLE
E	MAXIMUM FLOW RAT

SHOWERHEADS	1.75 GPM @ 80 PSI
LAVATORY FAUCET, RESIDENTIAL	1.5 GPM @ 60 PSI
KITCHEN FAUCETS	1.5 GPM @ 60 PSI
RAVITY TANK-TYPE WATER CLOSETS	1.28 GALLONS/FLUSH
LUSHOMETER TANK WATER CLOSETS	1.28 GALLONS/FLUSH
LUSHOMETER VALVE WATER CLOSETS	1.28 GALLONS/FLUSH
TROMECHANICAL HYDRAULIC WATER CLOSETS	1.28 GALLONS/FLUSH
URINALS	0.5 GALLONS/FLUSH

3		1. BEFORE COMMENCEMENT OF WORK, VI UTILITIES AND PIPING. IMMEDIATELY N
		2. EXACT LOCATIONS AND MOUNTING HE
		3. SEE ARCHITECTURAL DRAWINGS FOR
	1	4. ALL PLUMBING WORK SHALL BE INSTA AND STRUCTURAL FRAMING.
		5. PROVIDE WATER, SEWER, AND DRAIN
		6. ALL CLEANOUTS SHALL BE INSTALLED CABINETS, ETC., AND THE ARCHITECT
		7. ALL VALVES, UNIONS, ETC. TO BE SA
		8. UNIONS SHALL BE PROVIDED AND INS
		 THE CONTRACTOR SHALL COORDINATE WHERE BRACING DETAILS ARE NOT SH SUBJECT TO THE APPROVAL SMACNA
		11. BEFORE FABRICATION OR INSTALLATIO AND EQUIPMENT PROVIDED UNDER AN SHALL BE COORDINATED IN FIELD.
		12. ALL WASTE, DRAIN AND VENT PIPING
		13. ALL VALVES, TRAP PRIMERS, WATER CEILINGS SHALL BE INSTALLED BEHINI
		14. ALL HOT WATER PIPING SHALL BE INS
		15. ALL WORK AND MATERIAL SHALL BE AUTHORITY HAVING JURISDICTION. NO THESE CODES OR OTHERS APPLICABL
		16. THE CONTRACTOR SHALL COORDINATE
		17. (WHERE APPLICABLE) ALL PATCHING A SPECIFICATIONS. (PLUMBER SHALL COC
		18. ALL CONNECTIONS TO EXISTING SERVIC
		20. (WHERE APPLICABLE) ALL EXISTING PIF
		OWNER'S REPRESENTATIVE.
		CONCRETE WALLS OR FLOORS SHALL E
		22. CONNECTION BETWEEN INCOMPATIBLE N UNIONS SEPARATED BY A 12" SECTION
		23. THE SEISMIC ANCHORAGE OF MECH AN SHEET.
		24. THE CONTRACTOR SHALL VERIFY THE I INSTALLATION OF ANY PIPING.
		25. HOT WATER PIPING INSULATION SHALL
		26. ALL NEW PLUMBING FIXTURES AND EQU COMPLY WITH EFFICIENCY STANDARDS.
	-	27. CLEANOUTS REQUIRED AT THE UPPER DIRECTION EXCEEDING 135 DEGREES, A (2016 CPC TABLE 7–6, SEC. 706 & 7
	-	28. EACH PLUMBING FIXTURE TRAP SHALL CONDITIONS EACH VENT SHALL RISE V FIXTURE BEFORE OFFSETTING HORIZON
	-	29. ALL FIXTURES SHALL CONFORM IN QUA
	-	30. BEFORE ANY DEVICE IS INSTALLED FOR BY THE ADMINISTRATIVE AUTHORITY. (2)
	-	31. PUBLIC LAVATORIES SHALL HAVE CONT
	-	32. SPACING OF CLEANOUTS AND MANHOL
		33. INSTALL PIPES AS HIGH AS POSSIBLE
		34. PROVIDE ACOUSTICAL PIPE SUPPORT S
		35. SLEEVES SHALL BE PROVIDED FOR PIP
		36. EACH PLUMBING VENT SHALL TERMINA
		WINDOW, DOOR, OPENING, AIR INTAKE
		 37. ALL REQUIRED CLEANOUTS SHALL BE T 38. COMBUSTIBLE PIPING INSTALLATIONS SHALL "FIRESTOP PROTECTION".
		39. NEW OR REPAIRED POTABLE WATER SY
		40. SHOWERS AND TUB-SHOWER COMBINE
		BALANCE, THERMOSTATIC, OR COMBINA SHALL BE ADJUSTED TO DELIVER A MA
		HOSE BIBB SUPPLY FITTINGS

PLUMBING GENERAL NOTES

ERIFY THE EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF ALL EXISTING OTIFY THE ARCHITECT OF ANY DISCREPANCIES. EIGHTS OF PLUMBING FIXTURES SHALL BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS. ADA FIXTURE LOCATIONS AND MOUNTING HEIGHTS. ALLED SO AS TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT

SYSTEMS TO A POINT OF CONNECTION SHOWN.

- WHERE READILY ACCESSIBLE. COORDINATE ALL CLEANOUT LOCATIONS WITH EQUIPMENT, PRIOR TO ANY INSTALLATION.
- ME SIZE AS PIPE UNLESS OTHERWISE INDICATED ON DRAWINGS. TALLED AFTER EACH SCREW-TYPE VALVE AND PRIOR TO EQUIPMENT CONNECTIONS.
- E PLACEMENT OF ALL UNDERGROUND PIPING PRIOR TO CONSTRUCTION. HOWN ON THE DRAWINGS OR IN THE GUIDELINES, THE FIELD INSTALLATION SHALL BE
- REQUIREMENT OF THE MECHANICAL ENGINEER. N, THIS CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT NOTHER SECTION OF SPECIFICATIONS. EXACT ROUGH-IN LOCATIONS AND REQUIREMENTS
- SHALL SLOPE AT 1/4 INCH PER FOOT UNLESS OTHERWISE INDICATED. (CPC 2016--SEC.
- HAMMER ARRESTERS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE D A STAINLESS STEEL ACCESS PANEL.
- SULATED WITH "MICRO-LOK" 850-APT, 1" THICK FOR SIZES UP TO 2": $1\frac{1}{2}$ " THICK IN COMPLIANCE WITH THE FOLLOWING CODES AS ADOPTED AND AMENDED BY THE THING IN THESE DRAWINGS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO E TO THIS PROJECT. SEE APPLICABLE CODES ON THIS SHEET ALL REQUIREMENTS FOR ALL POINTS OF CONNECTION WITH ALL TRADES PRIOR TO BID.
- ND REPAIRING OF EXISTING FLOORING IS UNDER ANOTHER SECTION OF THESE ORDINATE WITH GENERAL CONTRACTOR PRIOR TO BID.)
- CES SHALL BE MADE SUCH THAT INTERRUPTION TIME WILL BE AS SHORT AS POSSIBLE. EXCAVATION SHALL BE REPAIRED WITH MATERIALS TO MATCH EXISTING.
- PING AND EQUIPMENT THAT IS REMOVED SHALL BE DISPOSED OFF AS DIRECTED BY THE
- EXISTING FLOORING SHALL BE BY MACHINE SAW CUTTING. HOLES FOR PIPES IN BE DONE BY CORE DRILLING EQUIPMENT.
- MATERIALS ABOVE GRADE AND INSIDE BUILDING SHALL BE MADE WITH TWO (2) DIELECTRIC I OF RED BRASS PIPE.
- ND ELECTRICAL EQUIPMENT SHALL CONFIRM TO "APPLICABLE CODES" INDICATED ON THIS EXACT DEPTH AND LOCATION OF EXISTING DRAINAGE SYSTEM LATERALS PRIOR TO
- BE IN ACCORDANCE WITH SECTION 123 TABLE 1-G OF THE TITLE 24 REGULATIONS CCR. UIPMENT SHALL BE CERTIFIED BY THE CALIFORNIA STATE ENERGY COMMISSION TO
- TERMINAL FOR EACH HORIZONTAL DRAINAGE PIPE, EACH AGGREGATED CHANGE IN ND AT 100 FT. INTERVALS. THEY SHOULD BE READILY ACCESSIBLE AND SIZED PER 707).
- BE VENTED IN ACCORDANCE WITH THE CODE. UNLESS PROHIBITED BY STRUCTURAL ERTICALLY TO A POINT NOT LESS THAN SIX (6) INCHES ABOVE FLOOD LEVEL RIM OF TALLY. (2016 CPC--SEC. 906.3) THE DISTANCE BETWEEN THE TRAP AND VENT SHALL EC. 1002.0 (CPC 2016).
- ALITY AND DESIGN TO NATIONALLY RECOGNIZED APPLICABLE STANDARDS OR TO OTHER TO THE ADMINISTRATIVE AUTHORITY. (CPC SEC. 401.0)
- THE PREVENTION OF BACKFLOW OR SIPHONING IT SHALL HAVE FIRST BEEN APPROVED 2016 CPC SEC. 603.1).
- ROLS TO LIMIT THE WATER TEMPERATURE TO 110° F. (TITLE 24 PART 6 110.3(c) 3)
- LES SHALL BE PER (2016 CPC SEC. 719.0).
- TO UNDERSIDE OF STRUCTURE. NO HORIZONTAL PIPE SHALL TOUCH THE SLAB SYSTEM AS MANUFACTURED BY HUBBARD (THE HOLD-RITE SILENCER SYSTEM) ON PIPES
- ING PASSING THROUGH CONCRETE OR MASONRY FLOORS AND EXTERIOR BEARING WALLS TE NOT LESS THAN TEN (10) FEET FROM OR AT LEAST THREE (3) FEET ABOVE ANY OR VENT SHAFT.
- NSTALLED PER SEC. 707.0 AND 719.0 OF THE 2016 CALIFORNIA PLUMBING CODE. HALL BE INSTALLED PER CHAPTER 15 OF 2016 CALIFORNIA PLUMBING CODE FOR
- STEMS SHALL BE DISINFECTED PRIOR TO USE ACCORDING TO THE METHOD SET IN
- TIONS SHALL BE PROVIDED WITH INDIVIDUAL CONTROL VALVES OF THE PRESSURE ATION PRESSURE BALANCE/THERMOSTATIC MIXING VALVE TYPE. HANDLE POSITION STOPS AXIMUM MIXED WATER SETTING OF 120° F.

			SHEET INDEX
	WASHING MACHINE ROUGH-IN UNIT	SHEET NO.	DESCRIPTION
		P0.0	PLUMBING LEAD SHEET
	ſ	P0.1	PLUMBING DETAILS
	2" STANDPIPE(MIN.)	P1.0	PLUMBING GROUND FLOOR PLAN
APPROX. 36"		P1.1	PLUMBING SECOND FLOOR PLAN
18" – 30" ABOVE TRAP	2" VENT	P1.2	PLUMBING UNIT PLANS TYPICAL
	<u></u> Ц Ц	P1.3	PLUMBING UNIT PLANS TYPICAL
	—R∕	P1.4	PLUMBING UNIT PLANS TYPICAL
曲(——₽) (P1.5	PLUMBING UNIT PLANS TYPICAL
2" P TRAP	— Π— I		
	6" – 18" ABOVE FLOOR		
WASHING MACHINE ROL	IGH-IN SCALE B)	



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CHARLES PICK, ARCHITECT Consultants:



AME NO. : 18012

Stamp:



DRAWING REVISION LOG

SUBMITTAL	12/12/17
PC SUBMITTAL	05.07.2018
PLAN CHECK 1 CORRECTIONS	08.06.2018

PROJECT NAME:

DESERT HAVEN (QUEENS MOTEL) **RE-DEVELOPMENT**

PROJECT LOCATION:

16959 STODDARD RD. VICTORVILLE, CA 92395

SHEET TITLE:

PLUMBING LEAD SHEET

P0.0



							B	ASIS ^{Ard}	chitecture Consulting
	Syster	n No. F-C-2142			FC 2142			2130 FOURTH SAN RAFAEL, CA PHONE (415) 45 FAX (415) 457-	H ST 94901 7-6035 6036
 Penetrants — One nonme between the through pen to be rigidly supported or A. Polyvin B. Acryloi 	tallic pipe to be installed ei etrant and the periphery of both sides of the floor-cei nyl Chloride (PVC) Pipe — for use in closed (pr nitrile Butadine Styrene (A	ther eccentrically or concentric f the opening shall be a min 0 i ling assembly. The following ty Nom 2 in. (51 mm) diam (or s rocess or supply) or vented (dr BS) Pipe — Nom 2 in. (51 mm	ally within the firestop s n. (point contact) to a n vpes and sizes of nonm maller) Schedule 40 ce ain, waste, or vent) pipi) diam (or smaller) Sch	system. The an nax of 5/8 in. (1 letallic pipes ma llular or solid co ing systems. edule 40 cellula	nular space 6 mm). Pipe ay be used. ore PVC pipe or or solid			P.O.BOX 150 SAN RAFAEL, CA	539 \ 94915
C. Chlorii C. Chlorii or Cavity Material* — Sealan sole plate. Min 5/8 in. (16 or of lower top plate. HILTI CONSTRUCTION uch products shall bear the U	core ABS pipe for u nated Polyvinyl Chloride (C closed (process or s t — Min 3/4 in. (19 mm) th 5 mm) thickness of fill mate CHEMICALS, DIV OF HIL JL or cUL Certification Mai	se in closed (process or supply CPVC) Pipe — Nom 2 in. (51 m supply) or vented (drain, waste ickness of fill material applied v rial applied within the annulus, TI INC — FS-ONE Sealant or I rk for jurisdictions employing th	() or vented (drain, was) or vented (drain, was or vent) piping system within the annulus, flush flush with and flush wi FS-ONE MAX Intumeso the UL or cUL Certification	te or vent) pipir DR17 CPVC pi s. h with top surfa th bottom surfa cent Sealant on (such as Car	ng systems. pe for use in ce of floor or ce of ceiling nada),		Co	CHARLES PICK, AR nsultants:	CHITECT
respectively.								AME	
							м	CHANICAL, ELECTRICAL & CONSULTING ENGINEE 2601 Main Street. Suite 730	PLUMBING RS
							Т	Irvine, CA 92612 949.553.0170 F: 949. www.amegroup.ne	553.0171 t 012
								Stamp:	2/44-
irestop Systen	Reproduced Underwr Ja	by HILTI, Inc. Courtesy of iters Laboratories, Inc. anuary 15, 2015		F	Page: 2 of 2			S. MECHANIC	CORT - CORT
						scale 1			
									12/12/17
							F	PC SUBMITTAL LAN CHECK 1 CORRECTIO	05.07.2018 NS 08.06.2018
3. Firestop System — The fir	restop system shall consist A. Fill, Void or Cavity M wrap st annular	t of the following: laterial* — Wrap Strip — See rip is continuously wrapped are space such that approx 1/8 in	Fable under Item 3B for ound the outer circumfe . (3 mm) of the wrap str	r min size of inte erence of the pip rip protrudes fro	umescent wrap be once and slid om the wall surfa	strip. The d into the ace.			
	Wrap s HILTI C CP 648 B. Fill, Void or Cavity M flush wi at wrap and 4 ir pom 1-	trip is held in place with integra CONSTRUCTION CHEMICALS IS - 3" US, CP 648S - 4" US ar laterial* — Caulk — Min 1/4 in. ith both surfaces of wall. For 2 is strip/gypsum wall interface. In n. (38, 51, 76 and 102 mm) dia 1/2, 2 and 3 in. (38, 51 and 76	I fastening tape. Wrap , DIV OF HILTI INC — Id CP 648S - 6" US (6 mm) thickness of fil hr fire-rated walls, 1/4 i 1 hr fire-rated walls, fil m penetrants. In 2 hr fil mm) diam penetrants.	strip installed o CP 648S - 1.5" I material applie in. (6 mm) bead I material is opt re-rated walls, f Fill material is r	n each surface ' US, CP 648S - ed within the ani fill material als ional for nom 1- ill material is op equired to be us	of wall. - 2" US, nulus, o applied -1/2, 2, 3 tional for		PROJECT NA	ME:
Nom Pipe Diam, Intumescent Se itla(m m)	attain L Wrap Strip ^{HILTI C}	Ratings. COM& TRO TO	Mox Dorm ni Coppenon in. (mm)	FS-Onelesealar Min	¥€or ⁱ ₱S(®RE N Max	IAX		DESERT HA	VEN
1-1/2 (38) 2 (51) 3 (76) 4 (102)	CP 648S - 1.5" US CP 648S - 2" US CP 648S - 3" US CP 648S - 4" US	3/16 x 1 (5 x 25) 3/16 x 1 (5 x 25) 3/16 x 1-3/4 (5 x 44) 3/8 x 1-3/4 (10 x 44)	2-3/8 (60) 3 (76) 4 (102) 5-3/8 (137)	3/16 (5) 3/16 (5) 3/16 (5) 3/8 (10)	5/16 (8) 5/16 (8) 5/16 (8) 1/2 (13)			(QUEENS MO RE-DEVELOP	OTEL) MENT
6 (152)	CP 648S - 6" US	1/2 x 1-3/4 (13 x 44)	8 (203)	9/16 (14)	13/16 (21)				
* Indicates such products sha respectively.	all bear the UL or cUL Cer	tification Mark for jurisdictions	employing the UL or cL	IL Certification	(such as Canad	la),		PROJECT LOCA	TION:
							l 1 VI	6959 STODD	ARD RD. CA 92395
								SHEET TITI	_E:
								PLUMBING DETAILS	
						SCALE 3			1







2130 FOURTH ST SAN RAFAEL, CA 94901 PHONE (415) 457-6035 FAX (415) 457-6036

P.O.BOX 150539 SAN RAFAEL, CA 94915



AME NO. : 18012

Stamp:



DRAWING REVISION LOG

12/12/17
05.07.2018
08.06.2018

PROJECT NAME:

DESERT HAVEN (QUEENS MOTEL) **RE-DEVELOPMENT**

PROJECT LOCATION:

16959 STODDARD RD. VICTORVILLE, CA 92395

SHEET TITLE:

PLUMBING GROUND FLOOR PLAN











CHARLES PICK, ARCHITECT



Stamp: PROFESSION AGUI/RR No. M31703 EXP. 06-30-19 CHANICA

DRAWING REVISION LOG

SUBMITTAL	12/12/17
PC SUBMITTAL	05.07.2018
PLAN CHECK 1 CORRECTIONS	08.06.2018

|+- -- -+

PROJECT NAME:

DESERT HAVEN (QUEENS MOTEL) RE-DEVELOPMENT

PROJECT LOCATION:

16959 STODDARD RD. VICTORVILLE, CA 92395

SHEET TITLE:

PLUMBING SECOND FLOOR PLAN

MARK	PLU
WC	WA.
L	LAV
KS	KIT
BT	BAT

TYPICAL SIDE

DEMA	
MARK	10/0
	VVA
∟ KS	
BT	BAT

TYPICAL SIDI







SANITARY SEWER	PLUMBING C	CALCULATIO	NS	
BING FIXTURES	QUANTITY	TRAP SIZE	SAN. F.U. EACH	SAN. F.U. TOTAL
R CLOSET (FLUSH TANK)	1	3"	3	3
ORY	1	1-1/2"	1	1
EN SINK	1	1-1/2"	2	2
ГUB	1	2"	2	2
TOTALS	4			8
E BY SIDE UNIT PLANS				SAN FU

DOMESTIC WATER SIZING CALCULATIONS

D LOAD WATER SUPPLY					
PLUMBING FIXTURES	QUANTITY	BRANCH PIPE SIZE	C.W.F.U.	H.W.F.U.	TOTAL F.U.
WATER CLOSET	1	3/4"	2.5	-	2.5
LAVATORY	1	1/2"	0.75	0.75	.75
KITCHEN SINK	1	1/2"	1.5	1.5	1.5
BATHTUB	1	3/4"	3	3	3
TOTAL FIXTURE UNITS					7.75
L SIDE BY SIDE UNIT PLANS					8 GPM

PLUM	BING GENERAL NOTES	PLUMBI	NG SHEET NOTES
	THE EXISTING CONDITIONS ARE BASED ON "AS-BUILT" DRAWINGS AND/OR LIMITED FIELD VERIFICATIONS. THE CONTRACTOR SHALL ADJUST TO ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE	1	DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURE. REMOVE AND CAP COLD AND HOT WATER, WASTE AND VENT PIPING IN WALL. PATCHING AND REPARING PER GENERAL NOTE ON THIS SHEET.
1	TO THE PROJECT. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR ANY EXTRAS DUE TO THE CONTRACTOR'S FAILURE TO VISIT THE PROJECT SITE AND/OR PREDETERMINATION OF EXISTING CONDITIONS PRIOR TO SUBMITTING THE BID. ANY DISCREPANCIES	2	CONNECT THE NEW VENT TO THE EXISTING VENT SYSTEM TERMINATING THROUGH THE ROOF. FIELD VERIFY THE EXACT SIZE AND LOCATION OF THE EXISTING VENT THROUGH ROOF PRIOR TO SUBMITTING BID AND COMMENCING CONSTRUCTION.
	FOR RESOLUTION.	3	CONNECT THE NEW SANITARY SEWER TO THE EXISTING SANITARY SEWER OF EQUAL OR GREATER SIZE. FIELD VERIFY THE EXACT
2	THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE INCIDENTAL DEMOLITION WORK PRIOR TO BIDDING AND COMMENCEMENT OF WORK. THE CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF ALL EXISTING EQUIPMENT AS REQUIRED FOR THE		LOCATION, SIZE, AND INVERT ELEVATION OF THE EXISTING SANITARY SEWER PRIOR TO CONSTRUCTION. ADJUST THE NEW SANITARY SEWER AS REQUIRED TO ALLOW FOR CONNECTION TO THE EXISTING SANITARY SEWER SYSTEM. MAINTAIN CODE MINIMUM PIPE SLOPES.
3	ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE GOVERNMENTAL AND LOCAL CODE REQUIREMENTS.	4	CONNECT THE NEW DOMESTIC COLD WATER LINE TO AN EXISTING COLD WATER LINE OF EQUAL OR GREATER SIZE. FIELD VERIFY THE EXACT LOCATION AND SIZE OF THE EXISTING WATER LINE PRIOR TO CONSTRUCTION. ADJUST THE NEW WATER LAYOUT AS REQUIRED TO
4	PLUMBING CONTRACTOR SHALL COORDINATE RESPONSIBILITY OF SAW CUTTING PATCHING AND REPAIRING OF FLOORS, CEILINGS AND WALLS RELATED TO HIS/HER SCOPE OF WORK WITH THE GENERAL CONTRACTOR /OWNER/ARCHITECT AS RELATES TO HIS/HER PLUMBING SCOPE CONTRACTUAL WORK.	5	CONNECT THE NEW DOMESTIC HOT WATER LINE TO AN EXISTING HOT WATER LINE OF EQUAL OR GREATER SIZE. FIELD VERIFY THE EXACT LOCATION AND SIZE OF THE EXISTING WATER LINE PRIOR TO CONSTRUCTION. ADJUST THE NEW WATER LAYOUT AS REQUIRED TO
5	ALL HORIZONTAL WASTE PIPING SMALLER THAN 4" DIAMETER SHALL SLOPE AT 2%; ALL WASTE PIPING 4" DIAMETER AND LARGER TO BE SLOPPED AT 2% OR 1% WITH THE APPROVAL OF AUTHORITY HAVING JURISDICTION.	6	CONNECT THE NEW GAS LINE TO AN EXISTING WATER SYSTEM. CONNECT THE NEW GAS LINE TO AN EXISTING GAS LINE OF EQUAL OR GREATER SIZE. FIELD VERIFY THE EXACT LOCATION AND SIZE OF THE EXISTING WATER LINE PRIOR TO CONSTRUCTION. ADJUST THE NEW GAS LAYOUT AS REQUIRED TO ALLOW FOR CONNECTION TO
6	EXISTING HOT & COLD WATER LINES IN THE UNITS SHALL BE REPLACED WITH CPVC MAIN DOWNSTREAM FROM THE SHUT OFF VALVE GOING INTO THE RESIDENTIAL UNIT AND PEX FOR DISTRIBUTION TO FIXTURES.		THE EXISTING GAS SYSTEM.
7	PROVIDE TEMPORARY COVERS, CAPS, OR PLUGS ON SANITARY SEWER SYSTEM THROUGHOUT THE DURATION OF CONSTRUCTION. RAG WADS, DUCT TAPE, OR OTHER SIMILAR METHODS OF TEMPORARY COVERS SHALL NOT BE UTILIZED. UPON COMPLETION OF CONSTRUCTION, COMPLETELY REMOVE ANY AND ALL OBSTRUCTIONS INSIDE THE ENTIRE SYSTEM BY SNAKING, RODING, OR JETTING THE SYSTEM IMMEDIATELY PRIOR TO PROJECT TURNOVER TO THE OWNER.		





4 TYPICAL IN-LINE UNIT DEMOLITION PLAN SCALE: 1/4" = 1'-0"



PROJECT NAME:

DESERT HAVEN (QUEENS MOTEL) **RE-DEVELOPMENT**

PROJECT LOCATION:

16959 STODDARD RD. VICTORVILLE, CA 92395

SHEET TITLE:

PLUMBING UNIT PLANS TYPICAL

MARK	PLU
WC	WA
L	LAV
KS	KIT
BT	BAT

TYPICAL SID

DEMA	ND LO
MARK	
WC	N
L	L/
KS	К
BT	B



SANITARY SEWER PLUMBING CALCULATIONS					
BING FIXTURES	QUANTITY	TRAP SIZE	SAN. F.U. EACH	SAN. F.U. TOTAL	
R CLOSET (FLUSH TANK)	1	3"	3	3	
TORY	1	1-1/2"	1	1	
IEN SINK	1	1-1/2"	2	2	
TUB	1	2"	2	2	
TOTALS	4			8	
E BY SIDE UNIT PLANS	SAN FU				

DOMESTIC WATER SIZING CALCULATIONS

OAD WATER SUPPLY					
PLUMBING FIXTURES	QUANTITY	BRANCH PIPE SIZE	C.W.F.U.	H.W.F.U.	TOTAL F.U.
VATER CLOSET	1	3/4"	2.5	-	2.5
AVATORY	1	1/2"	0.75	0.75	.75
ITCHEN SINK	1	1/2"	1.5	1.5	1.5
ATHTUB	1	3/4"	3	3	3
TOTAL FIXTURE UNITS					7.75
					8 GPM

TYPICAL SIDE BY SIDE UNIT PLANS

PLUMBIN	NG GENERAL NOTES
1	THE EXISTING CONDITIONS ARE BASED ON "AS-BUILT" DRAWINGS AND/OR LIMITED FIELD VERIFICATIONS. THE CONTRACTOR SHALL ADJUST TO ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE PROJECT. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR ANY EXTRAS DUE TO THE CONTRACTOR'S FAILURE TO VISIT THE PROJECT SITE AND/OR PREDETERMINATION OF EXISTING CONDITIONS PRIOR TO SUBMITTING THE BID. ANY DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION.
2	THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE INCIDENTAL DEMOLITION WORK PRIOR TO BIDDING AND COMMENCEMENT OF WORK. THE CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF ALL EXISTING EQUIPMENT AS REQUIRED FOR THE INSTALLATION/CONSTRUCTION OF NEW WORK.[LM1]
3	ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE GOVERNMENTAL AND LOCAL CODE REQUIREMENTS.
4	PLUMBING CONTRACTOR SHALL COORDINATE RESPONSIBILITY OF SAW CUTTING PATCHING AND REPAIRING OF FLOORS, CEILINGS AND WALLS RELATED TO HIS/HER SCOPE OF WORK WITH THE GENERAL CONTRACTOR /OWNER/ARCHITECT AS RELATES TO HIS/HER PLUMBING SCOPE CONTRACTUAL WORK.
5	ALL HORIZONTAL WASTE PIPING SMALLER THAN 4" DIAMETER SHALL SLOPE AT 2%; ALL WASTE PIPING 4" DIAMETER AND LARGER TO BE SLOPPED AT 2% OR 1% WITH THE APPROVAL OF AUTHORITY HAVING JURISDICTION.
6	EXISTING HOT & COLD WATER LINES IN THE UNITS SHALL BE REPLACED WITH CPVC MAIN DOWNSTREAM FROM THE SHUT OFF VALVE GOING INTO THE RESIDENTIAL UNIT AND PEX FOR DISTRIBUTION TO FIXTURES.
7	PROVIDE TEMPORARY COVERS, CAPS, OR PLUGS ON SANITARY SEWER SYSTEM THROUGHOUT THE DURATION OF CONSTRUCTION. RAG WADS, DUCT TAPE, OR OTHER SIMILAR METHODS OF TEMPORARY COVERS SHALL NOT BE UTILIZED. UPON COMPLETION OF CONSTRUCTION, COMPLETELY REMOVE ANY AND ALL OBSTRUCTIONS INSIDE THE ENTIRE SYSTEM BY SNAKING, RODING, OR JETTING THE SYSTEM IMMEDIATELY PRIOR TO PROJECT





	SANITARY SEWER	PLUMBING C	CALCULATIO	NS	
MARK	PLUMBING FIXTURES	QUANTITY	TRAP SIZE	SAN. F.U. EACH	SAN. F.U. TOTAL
CW	WASHER	4	2"	3	12
S	LAUNDRY SINK	1	1-1/2"	2	2
	TOTALS 4				
LAUN	DRY PLAN				SAN FU





4 REMODELED COMMON LAUNDRY PLAN SCALE: 1/4" = 1'-0"

	SANITARY SEWER	PLUMBING (CALCULATIO	NS	
MARK	PLUMBING FIXTURES	QUANTITY	TRAP SIZE	SAN. F.U. EACH	SAN. F.U. TOTAL
WC	WATER CLOSET (FLUSH TANK)	1	3"	3	3
L	LAVATORY	1	1-1/2"	1	1
кs	KITCHEN SINK	1	1-1/2"	2	2
BT	BATHTUB	1	2"	2	2
	TOTALS	4			8
TYPICAL UNIT PLANS					SAN FU

DEMAN	D LOAD WATER SUPPLY		
MARK	PLUMBING FIXTURES	QUANTITY	BRANCH PIPE SIZI
WC	WATER CLOSET	1	3/4"
L	LAVATORY	1	1/2"
KS	KITCHEN SINK	1	1/2"
BT	BATHTUB	1	3/4"



	CULATIONS		
	C.W.F.U.	H.W.F.U.	TOTAL F.U.
	3	3	12
1			
	0.75	0.75	.75
	0.75	0.75	.75 12.75
	0.75	0.75	.75 12.75 10 GPM



5 EXISTING CONDITIONS AND DEMOLITION - LAUNDRY AND MECHANICAL ROOM SCALE: 1/4" = 1'-0"

3 ADDITIONAL DEMO SCALE: 1/4" = 1'-0"

00

PLUMBIN	NG SHEET NOTES
1	DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURE. REMOVE AND CAP COLD AND HOT WATER, WASTE AND VENT PIPING IN WALL. PATCHING AND REPARING PER GENERAL NOTE ON THIS SHEET.
2	CONNECT THE NEW VENT TO THE EXISTING VENT SYSTEM TERMINATING THROUGH THE ROOF. FIELD VERIFY THE EXACT SIZE AND LOCATION OF THE EXISTING VENT THROUGH ROOF PRIOR TO SUBMITTING BID AND COMMENCING CONSTRUCTION.
3	CONNECT THE NEW SANITARY SEWER TO THE EXISTING SANITARY SEWER OF EQUAL OR GREATER SIZE. FIELD VERIFY THE EXACT LOCATION, SIZE, AND INVERT ELEVATION OF THE EXISTING SANITARY SEWER PRIOR TO CONSTRUCTION. ADJUST THE NEW SANITARY SEWER AS REQUIRED TO ALLOW FOR CONNECTION TO THE EXISTING SANITARY SEWER SYSTEM. MAINTAIN CODE MINIMUM PIPE SLOPES.
4	CONNECT THE NEW DOMESTIC COLD WATER LINE TO AN EXISTING COLD WATER LINE OF EQUAL OR GREATER SIZE. FIELD VERIFY THE EXACT LOCATION AND SIZE OF THE EXISTING WATER LINE PRIOR TO CONSTRUCTION. ADJUST THE NEW WATER LAYOUT AS REQUIRED TO ALLOW FOR CONNECTION TO THE EXISTING WATER SYSTEM
5	CONNECT THE NEW DOMESTIC HOT WATER LINE TO AN EXISTING HOT WATER LINE OF EQUAL OR GREATER SIZE. FIELD VERIFY THE EXACT LOCATION AND SIZE OF THE EXISTING WATER LINE PRIOR TO CONSTRUCTION. ADJUST THE NEW WATER LAYOUT AS REQUIRED TO ALLOW FOR CONNECTION TO THE EXISTING WATER SYSTEM
6	CONNECT THE NEW GAS LINE TO AN EXISTING WATER STSTEM. OR GREATER SIZE. FIELD VERIFY THE EXACT LOCATION AND SIZE OF THE EXISTING WATER LINE PRIOR TO CONSTRUCTION. ADJUST THE NEW GAS LAYOUT AS REQUIRED TO ALLOW FOR CONNECTION TO
7	EXISTING GAS STATEM. EXISTING PLUMBING FIXTURE TO REMAIN. CONTRACTOR SHALL REVIEW CONDITION OF EXISTING FIXTURE AND BRING TO LIKE NEW CONDITION. COORDINATE WITH OWNERS REPRESENTATIVE IF EXISTING FIXTURE NEEDS TO BE REPLACED
PLUMRIN	NG GENERAL NOTES
1	THE EXISTING CONDITIONS ARE BASED ON "AS-BUILT" DRAWINGS AND/OR LIMITED FIELD VERIFICATIONS. THE CONTRACTOR SHALL ADJUST TO ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE PROJECT. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR ANY EXTRAS DUE TO THE CONTRACTOR'S FAILURE TO VISIT THE PROJECT SITE AND/OR PREDETERMINATION OF EXISTING CONDITIONS PRIOR TO SUBMITTING THE BID. ANY DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION.
2	THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE INCIDENTAL DEMOLITION WORK PRIOR TO BIDDING AND COMMENCEMENT OF WORK. THE CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF ALL EXISTING EQUIPMENT AS REQUIRED FOR THE INSTALLATION/CONSTRUCTION OF NEW WORK.[LM1]
3	ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE GOVERNMENTAL AND LOCAL CODE REQUIREMENTS.
4	PLUMBING CONTRACTOR SHALL COORDINATE RESPONSIBILITY OF SAW CUTTING PATCHING AND REPAIRING OF FLOORS, CEILINGS AND WALLS RELATED TO HIS/HER SCOPE OF WORK WITH THE GENERAL CONTRACTOR /OWNER/ARCHITECT AS RELATES TO HIS/HER PLUMBING SCOPE CONTRACTUAL WORK.
5	ALL HORIZONTAL WASTE PIPING SMALLER THAN 4" DIAMETER SHALL SLOPE AT 2%; ALL WASTE PIPING 4" DIAMETER AND LARGER TO BE SLOPPED AT 2% OR 1% WITH THE APPROVAL OF AUTHORITY HAVING JURISDICTION.
6	EXISTING HOT & COLD WATER LINES IN THE UNITS SHALL BE REPLACED WITH CPVC MAIN DOWNSTREAM FROM THE SHUT OFF VALVE GOING INTO THE RESIDENTIAL UNIT AND PEX FOR DISTRIBUTION TO FIXTURES.
7	PROVIDE TEMPORARY COVERS, CAPS, OR PLUGS ON SANITARY SEWER SYSTEM THROUGHOUT THE DURATION OF CONSTRUCTION. RAG WADS, DUCT TAPE, OR OTHER SIMILAR METHODS OF TEMPORARY COVERS SHALL NOT BE UTILIZED. UPON COMPLETION OF CONSTRUCTION, COMPLETELY REMOVE ANY AND ALL OBSTRUCTIONS INSIDE THE ENTIRE SYSTEM BY SNAKING, RODING, OR JETTING THE SYSTEM IMMEDIATELY PRIOR TO PROJECT TURNOVER TO THE OWNER.



PROJECT NAME:

DESERT HAVEN (QUEENS MOTEL) **RE-DEVELOPMENT**

PROJECT LOCATION:

16959 STODDARD RD. VICTORVILLE, CA 92395

SHEET TITLE:

PLUMBING UNIT PLANS TYPICAL

	SANITARY SEWER PLUMBING CALCULATIONS				
MARK	PLUMBING FIXTURES	QUANTITY	TRAP SIZE	SAN. F.U. EACH	SAN. F.U. TOTAL
WC	WATER CLOSET (FLUSH TANK)	1	3"	3	3
L	LAVATORY	1	1-1/2"	1	1
KS	KITCHEN SINK	1	1-1/2"	2	2
BT	BATHTUB	1	2"	2	2
	TOTALS	4			8
MANAGERS UNIT			SAN FU		

DOMESTIC WATER SIZING CALCULATIONS

QUANTITY

1

1

1

1

BRANCH PIPE SIZE

3/4"

1/2"

1/2"

3/4"

C.W.F.U.

2.5

0.75

1.5

3

H.W.F.U.

0.75

1.5

3

TOTAL F.U.

2.5

.75

1.5

3

7.75

8 GPM

DEMAND LOAD WATER SUPPLY

WATER CLOSET

KITCHEN SINK

LAVATORY

BATHTUB

WC

KS

BT

MANAGERS UNIT

PLUMBING FIXTURES

TOTAL FIXTURE UNITS

	SANITARY SEWER PLUMBING CALCULATIONS					
MARK	PLUMBING FIXTURES	QUANTITY	TRAP SIZE	SAN. F.U. EACH	SAN. F.U. TOTAL	
WC	WATER CLOSET (FLUSH TANK)	2	3"	3	6	
L	LAVATORY	2	1-1/2"	1	2	
KS	KITCHEN SINK	1	1-1/2"	2	2	
TOTALS		5			10	
COMMUNITY ROOM			SAN FU			

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DEMAND LOAD WATER SUPPLY						
MARK	PLUMBING FIXTURES	QUANTITY	BRANCH PIPE SIZE	C.W.F.U.	H.W.F.U.	TOTAL F.U.
WC	WATER CLOSET	2	3/4"	2.5	-	5
L	LAVATORY	2	1/2"	0.75	0.75	1.5
KS	KITCHEN SINK	1	1/2"	1.5	1.5	1.5
	TOTAL FIXTURE UNITS					8
COMM				8 GPM		







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ZING CALCULATIONS

PLUMBIN	NG GENERAL NOTES
1	THE EXISTING CONDITIONS ARE BASED ON "AS-BUILT" DRAWINGS AND/OR LIMITED FIELD VERIFICATIONS. THE CONTRACTOR SHALL ADJUST TO ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE PROJECT. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR ANY EXTRAS DUE TO THE CONTRACTOR'S FAILURE TO VISIT THE PROJECT SITE AND/OR PREDETERMINATION OF EXISTING CONDITIONS PRIOR TO SUBMITTING THE BID. ANY DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION.
2	THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE INCIDENTAL DEMOLITION WORK PRIOR TO BIDDING AND COMMENCEMENT OF WORK. THE CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF ALL EXISTING EQUIPMENT AS REQUIRED FOR THE INSTALLATION/CONSTRUCTION OF NEW WORK.[LM1]
3	ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE GOVERNMENTAL AND LOCAL CODE REQUIREMENTS.
4	PLUMBING CONTRACTOR SHALL COORDINATE RESPONSIBILITY OF SAW CUTTING PATCHING AND REPAIRING OF FLOORS, CEILINGS AND WALLS RELATED TO HIS/HER SCOPE OF WORK WITH THE GENERAL CONTRACTOR /OWNER/ARCHITECT AS RELATES TO HIS/HER PLUMBING SCOPE CONTRACTUAL WORK.
5	ALL HORIZONTAL WASTE PIPING SMALLER THAN 4" DIAMETER SHALL SLOPE AT 2%; ALL WASTE PIPING 4" DIAMETER AND LARGER TO BE SLOPPED AT 2% OR 1% WITH THE APPROVAL OF AUTHORITY HAVING JURISDICTION.
6	EXISTING HOT & COLD WATER LINES IN THE UNITS SHALL BE REPLACED WITH CPVC MAIN DOWNSTREAM FROM THE SHUT OFF VALVE GOING INTO THE RESIDENTIAL UNIT AND PEX FOR DISTRIBUTION TO FIXTURES.
7	PROVIDE TEMPORARY COVERS, CAPS, OR PLUGS ON SANITARY SEWER SYSTEM THROUGHOUT THE DURATION OF CONSTRUCTION. RAG WADS, DUCT TAPE, OR OTHER SIMILAR METHODS OF TEMPORARY COVERS SHALL NOT BE UTILIZED. UPON COMPLETION OF CONSTRUCTION, COMPLETELY REMOVE ANY AND ALL OBSTRUCTIONS INSIDE THE ENTIRE SYSTEM BY SNAKING, RODING, OR JETTING THE SYSTEM IMMEDIATELY PRIOR TO PROJECT TURNOVER TO THE OWNER.



