SENERAL NOTES:

- CODES, RULES AND REGULATIONS- DESIGN OF SYSTEM
- A) ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS. ORDINANCES AND CODES.
- B) WHEN THE DRAWINGS CALL FOR MATERIALS OR CONSTRUCTION OF A BETTER QUALITY OR LARGER SZES THAN REQUIRED BY THE ABOVE MENTIONED OR SHOWN RATHER THAN AS REQUIRED BY CODE. ALL ITEMS OR FEATURES OF THE MECHANICAL SYSTEMS REQUIRED BY CODE SHALL BE INCLUDED, EVEN THOUGHON FOR SPECIFIC DIRECT.
- C) INSTALLATION OF THE SYSTEMS SHALL BE IN ACCORDANCE WITH THE ABOVE MENTIONED CODES AND REQULATIONS AND ALSO SHALL CONFORM TO GOOD, ACCEPTED MECHANICAL PRACTICES.
- 2. VOLUME DAMPERS IN ALL BRANCH DUCTS.
- FLEXIBLE CONNECTIONS AT SUPPLY AND RETURN AIR OPENINGS OF ALL AIR CONDITIONING UNITS.
- FLEXIBLE DUCTS TO BE GLASS-FLEX 8'-0", MAXIMUM IN LENGTH, WHERE APPLICABLE.
- COORDINATE EXACT LOCATION OF ALL AIR OUTLETS AND INLETS (DIFFUSERS, REGISTERS AND GRILLES) WITH APPROPRIATE ARCHITECTURAL PLAN, AND VERIFY THEIR LOCATION WITH ARCHITECT ON THE JOB BEFORE INSTALLTION. COLOR AS DIRECTED BY ARCHITECT.
- . PROVIDE DUCT LINING TO SUPPLY DUCT OF EACH AC UNIT FOR MINIMUM OF 10 FT. DUCT LINING TO BE EQUAL TO JOHNS-MANVILLE, 1\* THICK × 1-1/2 PCF DENSITY DUCT LINER. DUCTWORK TO BE INCREASED IN EACH DIBMESSION TO INCORPORATE THICKNESS OF LINING.
- DUCT INSULATION TO CONFORM TO CALIFORNIA ENERGY CONSERVATION STANDARDS (TITLE 24)
- . WIRING DIAGRAM IS INTENDED TO INDICATE SEQUENCE OF CONTROL AND DOES NOT NECESSARILY SHOW ALL CONNECTIONS REQUIRED BY LOCAL CODES.
- AUTOMATIC TEMPERATURE CONTROL DEVICE FOR REGULATION OF SPACE TEMPERATURE SHALL BE CAPABLE OF BEING SET FROM 55 10 857, MA) HAVE THE ABILITY TO GEPRATE THE HEATING THE STATE OF THE STAT
- APPLIANCES DESIGNED TO BE FIXED IN POSITION SHALL BE FASTENED IN PLACE.
- PROVIDE SEISMIC BRACING FOR ALL MECHANICAL EQUIPMENT STRUCTURE MOUNTED, 400 LBS. OR HEAVIER.
- A MAINTENANCE LABEL SHALL BE AFFIXED TO MECHANICAL EQUIPMENT AND A MAINTENANCE MANUAL SHALL BE PROVIDED FOR THE OWNERS USE.
- CONCEALED BUILDING SPACES USED AS RETURN AIR PLENUMS SHALL BE OF NON-COMBUSTIBLE MATERIAL.
- 14. PROVIDE ACCESS PANEL FOR ALL CEILING MOUNTED EQUIPMENT & VOLUME DAMPERS.
- PROVIDE MIN. 10'-0" SEPARATION BETWEEN POINT OF EXHAUST AND ANY FRESH AIR INTAKE, OR A/C UNIT OSA INTAKE.
- PROVIDE FIRE DAMPER OR SMOKE AND FIRE DAMPER WHERE DUCT PENETRATES FIRE RATED CEILING OR WALL IF APPLICABLE. CEILING OR WALL IF APPLICABLE.
- PROVIDE GALVANIZED SHEET METAL DUCTS FABRICATED AND INSTALLED TO LAMC CHAPTER 6, 2013 EDITION.
- 18. TRANSVERSE JOINTS FOR ALL AIR SUPPLY DUCTS INSTALLED WHERE AIR LEAKAGE WOULD BE NON-BENEFICIAL TO THE OCCUPIED AREA, TEMPERATURE REQUIREMENTS SHALL BE SEALED WITH APPROVED MASTIC OR TAPE.
- RECTANGULAR DUCTS CAN BE SUBSTITUTED WITH EQUIVALENT ROUND DUCTS WHERE APPLICABLE PER FOLLOWING SCHEDULE:

CFM	DUCT SIZE
0-110	6"ø
110-240	8"¢
240-420	10"¢
420-675	12"ø
675-1050	14"ø
1050-1500	16"ø
1500-2000	18"ø
2000-2600	20"≠

- THE MECHANICAL CONTRACTOR SHALL SHALL SECURE AND PAY FOR ALL REQUIRED PERMITS AND FEES.
- THE PROJECT SHALL BE AIR BALANCED AND A COPY OF THE FINAL REPORT SHALL BE PRESENTED TO THE TENANT AND OWNER.
- MECHANICAL CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BID AND VERIFY EXISTING LOCATION OF ALL EQUIPMENT AND THEIR WORKING CONDITION PRIOR TO WORK. ANY DISCREPANCY SHALL BE REPORTED TO ARCHITECT.
- 23. ALL DUCT SIZES SHOWN ON THE FLOOR PLANS ARE CLEAR INSIDE DIMENSIONS.CONTRACTOR SHALL ENLARGE THE DUCT IN ORDER TO ACCOMODATE LINING INSIDE OF DUCT IF REQUIRED.
- 24. ALL FIRE DAMPERS INSTALLED IN HEATING, VENTILATION AND AIR CONDITIONING SYSTEMS INTENDED TO OPERATE WITH FAN ON (NO SMOKE DUCT DETECTOR) SHALL BE DYNAMIC TYPE AND SHALL BE INSTALLED IN ACCORDANCE WITH THEIR LISTING.
- ENERGY CONSERVATION STANDARDS FOR NEW NON-RESIDENTIAL BUILDINGS HAVE BEEN REVIEWED AND DESIGN SUBSTANTIALLY CONFORMS TO THEM.
- FLEXIBLE DUCTS TO BE GLASS—FLEX FOR STRAIGHT RUNS ONLY. ALL ELBOWS AND TURNS SHALL BE SHEET METAL GALVANIZED.

		SP	LIT S	YSTEM	FAN C	OIL	UNI	T	SCH	ED	ULI	E (1	Hea	ıt I	Pur	np	) -	- I	BAS	EM	EN	T	&	18	T	FLC	OR	
SYMBOL	UNIT TYPE	SERVICE	LOCATION	MANUFACT.	HEATING CAPACITY BTU/HR	CAP/ BTU	ACITY		F	NH.	IN	DOOR FA		IC DATA			co	MP	FA		RESSO	R ELEC.	DATA		1897		. Se	REMARKS
	INDOOR			AND MODEL	оитрит	TH	SH	СЕМ	ESP	RPM	ВНР	٧	PH	HZ	MOTOR FLA	MCA	(1)		FL (1)		٧	PH/HZ	UNIT FLA	<b>4</b>	WEIGHT	/	=	
FC 1	INDOOR	SEE PLAN	ABOVE CEILING	ADP AX360CT	-	-	-	1179	0.5	-	-	240	1	60	3.0	3.8	-	-	-	-	-	7	-		- 156	5/	3.0	PROVIDE CONDENSATE DRAIN PUMP WITH PROGRAMABLE THERMOSTAT
HP 1	OUTDOOR	SEE PLAN	ROOF	YORK YHE36B21	36,000	35500	25500	-	-	-	-	-	-	-	-		14.7	-	1.3	-	208	1/60	18.0	19.7 3	0 295	12	-	WITH SPRING ISOLATOR AND ROO PLATFORM
FC 2	INDOOR	SEE PLAN	ABOVE CEILING	ADP AX480CT	-	-	-	1487	0.5	-	-	240	1	60	4.6	5.8	-	-	1	-	1		-		- 158	· /	4.0	PROVIDE CONDENSATE DRAIN PUMP WITH PROGRAMABLE THERMOSTAT WITH SPRING ISOLATOR
HP 2	OUTDOOR	SEE PLAN	ROOF	YORK YHE48B21	48,000	46,000	31400	-	-	-	-	-	-	-	-		23.6	-	1.3	-	208	1/60	24.9	30.8 5	0 235	12.2	-	WITH SPRING ISOLATOR AND ROC PLATFORM
FC 3	INDOOR	SEE PLAN	ABOVE CEILING	ADP AX480CT	-	-	-	1487	0.5	-	-	240	1	60	4.6	5.8	-	-	1	-	1		-		- 155	· /	4.0	PROVIDE CONDENSATE DRAIN PUMP WITH PROGRAMABLE THERMOSTAT WITH SPRING ISOLATOR
HP 3	OUTDOOR	SEE PLAN	ROOF	YORK YHE48B21	48,000	46,000	31400	-	-	-	-	-	-	-	-		23.6	- 1	1.3	-	208	1/60	24.9	30.8 5	0 235	12.2	-	WITH SPRING ISOLATOR AND ROP PLATFORM
FC 4	INDOOR	SEE PLAN	ABOVE CEILING	ADP AX480CT	-	-	-	1487	0.5	-	-	240	1	60	4.6	5.8	-	-	-	-	-	-	-		- 155	/	4.0	PROVIDE CONDENSATE DRAIN PUMP WITH PROGRAMABLE THERMOSTAT WITH SPRING ISOLATOR
HP 4	OUTDOOR	SEE PLAN	ROOF	YORK YHE48B21	48,000	46,000	31400	-	-	-	-	-	-	-	-		23.6		1.3	-	208	1 60	24.9	50.8 5	0 235	12.2	-	WITH SPRING ISOLATOR AND ROP PLATFORM
(5,3)	INDOOR	SEE PLAN	ABOVE CEILING	ADP AX600CT	-	-	-	1929	0.5	-	-	240	1	60	5.6	5.8	1	1	1	-		1 1	-	-   -	- 155	· /	5.0	PROVIDE CONDENSATE DRAIN PUMP WITH PROGRAMABLE THERMOSTAT WITH SPRING ISOLATOR
HP 5	OUTDOOR	SEE PLAN	ROOF	YORK YHE60B21	60,000	55500	37900	-	-	-	-	-	-	-	-		24.3	-	1.3	-	208	1/60	25.6	31.7 5	0 254	12	-	WITH SPRING ISOLATOR AND ROP PLATFORM
FC 6	INDOOR	SEE PLAN	ABOVE CEILING	ADP AX600CT	-	-	-	1929	0.5	-	-	240	1	60	5.6	5.8	-	1	-	-	-	-	-		- 155	· /	5.0	PROVIDE CONDENSATE DRAIN PUMP WITH PROGRAMABLE THERMOSTAT WITH SPRING ISOLATOR
HP 6	OUTDOOR	SEE PLAN	ROOF	YORK YHE60B21	60,000	55500	37900	-	-	-	-	-	-	-	-		24.3	-	1.3	-	208	1/60	25.6	31.7 5	0 254	12	1-	WITH SPRING ISOLATOR AND ROP PLATFORM

(F	*			EQI	JIPMEN	T SCH	EDULE					
Cei	ling Exhaust Fan										MARK:	EF-1
	Greenheck		External SP		Operating	Weight		Mo	tor Informa			
Qty	Model	(CFM)	Total SP (In wg)	FRPM	Power (hp)	(Lb.)	Size (hp)	V/C/P	Encl:	Motor RPM	Windings	FLA
6	SP-B80	80	0.125	900	0.01	21	NA.	115/60/1	OP	900		NA
0	37-000	00	0.12	900	0.01	21	INA	113/60/1	OF.	900	'	INA

OPTIONS AND ACCESSORIES UL/cUL 507 Listed - Electric Fan Round Hooded Wall Cap. (PN: WC-6) Shipped Loose Ceiling Radiation Damper, (PN: CRD-320) Aluminum Grille with White Enamel Finish (PN: 504879) Motion Detector, Wall Mounted, (PN: 385246) Shipped Loose Round Duct Connection

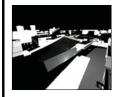
Transition Duct Reducer, (PN: 473324), Shipped Loose Isolation Kit, (PN: VI KIT-SP/CSP), Shipped Loose Polypropylene Wheel Material Energy Star Rated

VERYFY POWER REQUIREMENTS BEFORE ORDERING UNITS

\* VERYFY POWER REQUIREMENTS BEFORE ORDERING UNITS

				S	SPLIT S	YST	EM	FAI	N C	OIL	U	NIT	S	СНІ	EDU	JLE	(1	lea	at	Pu	m	р)						
	UNIT TYPE				HEATING CAPACITY	COO	LING				IN	DOOR FA	W							COME	PRESS	OR			8	E /	1	
SYMBOL	8 8	SERVICE	LOCATION	MANUFACT.	BTU/HR		/HR		F.	W			ELECTR	IC DATA			CC			NH.		ELEC.	DATA		g 1	<b>"</b> /	10KS	REMARKS
	INDOOR				OUTPUT	TH	SH	CFM	ESP	RPM	HP	v	PH	HZ	MOTOR FLA	MCA	(1)	(2)	(1)		٧	PH/HZ	UNIT Fla	¥C	9	' / '	*	
FC 7	INDOOR	UNITS	CEILING	SUNTHERM CEHX-25-00-ED	-	-	-	836	0.2	-	1/4	208	1	60	-	-	-	-	-	-	-	7-	-	-	- 13	6 /	2.0	WITH PROGRAMABLE THERMOSTAT SEE PLAN FOR TYPE OF ACCESS PANEL. WITH ISOLATOR. WITH OPTION FOR HIGH SPEED MOTOR
(HP)	OUTDOOR	UNITS	ROOF	YORK YHE24821	23,000	23,000		-	-	1	-	-	-	-	-		11.7	-	0.8	-	208	1/60	12.5	15.4	25 13	i1 11.75	1 -	PROVICE NON-LOUVERED PANEL WITH MERY-8 FLITER WITH SPRING ISOLATOR AND ROOF PLATFORM
FC 8	INDOOR	UNITS	CEILING	SUNTHERM CEHX-25-00-ED	-	-	-	836	0.2	1	1/4	208	1	60	-	-	-	-	-	-	-	7-	-	-	- 13	6 /	2.0	WITH PROGRAMABLE THERMOSTAT SEE PLAN FOR TYPE OF ACCESS PANEL. WITH ISOLATOR. WITH OPTION FOR HIGH SPEED MOTOR
(HP) 8	OUTDOOR	UNITS	ROOF	YORK YHE24B21	23,000	23,000		-	-	-	-	-	-	-	-		11.7	-	0.8	-	208	1/60	12.5	15.4	25 13	i1 - 14.0	1 -	PROVIDE NON-LOUVERED PANEL WITH MERY-8 FILTER WITH SPRING ISOLATOR AND ROOF PLATFORM
FC 9	INDOOR	ELEV ROOM	WALL MOUNTED	MITSUBISHI MSY-D30NA	-	-	-	848	0.01	-	-	240	1	60	0.33	1.0	-	-	-	-	-		-	-	- 2	, /	2.5	WITH PROGRAMABLE THERMOSTAT WITH SPRING ISOLATOR
(HP)	OUTDOOR	SEE PLAN	ROOF	MITSUBISHI MUY-030NA	-	30,000	12400	-	-	-	-	-	-	-	-		10	-	0.9	-	208	1/60	10.9	15	25 12	6 12.2	-	WITH ISOLATOR AND ROOF PLATFORM

	V.A.C.	LEGEND
SYMBOL	ABBREV.	DESCRIPTION
≯ II R II →	ADDITE TO	DUCT RISER
× 11011 ×		DUCT DROP
∞ ⊗		DUCT SECTION (SUPPLY)
		DUCT SECTION (RETURN)
<b>∠</b> ⊗		DUCT SECTION (EXHAUST)
← 🖾 →	C.D.	CEILING DIFFUSER
Ø*~	R.A.R.	RETURN AIR REGISTER
<b>□</b> 4~-	E.G. S.W.S.	EXAUST AIR GRILLE SIDE WALL SUPPLY
4~	S.W.R.	SIDE WALL SUPPLY SIDE WALL RETURN
	S.W.E.	SIDE WALL EXHAUST
2 1 2	R.G.	RELIEF GRILLE
	M.V.D.	MANUAL VOLUME DAMPER
€\$	A.F.D.	AUTOMATIC FIRE DAMPER
	A.V.D.	AUTOMATIC VOLUME DAMPER
_%→	D.L.	DOOR LOUVER
10	STAT	ROOM THERMOSTAT
<b>□</b>	D.H.	DUCT HEATER
— cws—	U.C. C.W.S.	UNDER-CUT COND. WATER SUPPLY
— cws—	C.W.S.	COND. WATER RETURN
—HAS—	H.W.S.	HOT WATER SUPPLY
—нис—	H.W.R.	HOT WATER RETURN
— ows —	CH.W.S.	CHILLED WATER SUPPLY
— OHMR —	CH.W.R.	CHILLED WATER RETURN
		DIRECTION OF FLOW
-₩-	G.V.	GATE VALVE
M	G.L.V.	GLOBE VALVE
<u> </u>	C.V.	CHECK VALVE
/⊢	B.V. RED.	BUTTERFLY VALVE REDUCER
- <del></del>	STR.	STRAINER
-i-	U	UNION
Ø	P.G.	PRESSURE GAUGE
	TH.	THERMOSTAT
☑	A.D.	ACCESS DOOR
	A.P.	ACCESS PANEL
	S.A.	SUPPLY AIR
	R.A.	RETURN AIR
	E.A.	EXHAUST AIR
	C.A.	COMBUSTION AIR
		COMBUSTION AIR OUTSIDE AIR
	C.A. O.S.A.	COMBUSTION AIR
	C.A. O.S.A. DN.	COMBUSTION AIR OUTSIDE AIR DOWN
	C.A. O.S.A. DN. CLG. S.W.S. S.W.R.	COMBUSTION AIR OUTSIDE AIR DOWN CEILING SIDEWALL SUPPLY SIDEWALL RETURN
	C.A. O.S.A. DN. CLG. S.W.S. S.W.R. N.C.	COMBUSTION AIR OUTSIDE AIR DOWN CEILING SIDEWALL SUPPLY SIDEWALL RETURN NORMALLY CLOSED
	C.A. O.S.A. DN. CLG. S.W.S. S.W.R. N.C. N.O.	COMBUSTION AIR OUTSIDE AIR DOWN CEILING SIDEWALL SUPPLY SIDEWALL RETURN NORMALLY CLOSED NORMALLY OPEN
	C.A.  O.S.A.  DN.  CLG. S.W.S. S.W.R.  N.C.  N.O.  N.I.C.	COMBUSTION AIR OUTSIDE AIR DOWN CEILING SIDEWALL SUPPLY SIDEWALL RETURN NORMALLY CLOSED NORMALLY OPEN NOT IN CONTRACT
	C.A. O.S.A. DN. CLG. S.W.S. S.W.R. N.C. N.O. N.I.C. P.O.C.	COMBUSTION AIR  OUTSIDE AIR  DOWN  CELLING SIDEWALL SUPPLY SIDEWALL RETURN  NORMALLY CLOSED  NOTMN CONTRACT POINT OF CONNECTION
	C.A.  O.S.A.  DN.  CLG. S.W.S. S.W.R.  N.C.  N.O.  N.O.  P.O.C.  G.C.	COMEDISTON AIR  OUTSIDE AIR  DOWN  CELLING  SDEWALL SEPLY  SIDEWALL RETURN  NORMALLY CLOSED  NORMALLY OFEN  NOT IN CONTRACT  POINT OF CONNECTION  GENERAL CONTRACTOR
	C.A. O.S.A. DN. CLG. S.W.S. S.W.R. N.C. N.O. N.I.C. P.O.C. G.C. P.C.	COMBUSTION AIR  DUTSIDE AIR  DOWN  CELLING  SDEWALL SUPPLY  SDEWALL SUPPLY  SDEWALL RETURN  NORMALLY COSED  NORMALLY COSED  NORMALLY OPPN  NOT IN CONTRACT  POINT OF CONNECTION  GENERAL CONTRACTOR  FULLIBRING CONTRACTOR
	C.A.  O.S.A.  DN.  CLG. S.W.S. S.W.R.  N.C.  N.O.  N.O.  P.O.C.  G.C.	COMEDISTON AIR  OUTSIDE AIR  DOWN  CELLING  SDEWALL SEPLY  SIDEWALL RETURN  NORMALLY CLOSED  NORMALLY OFEN  NOT IN CONTRACT  POINT OF CONNECTION  GENERAL CONTRACTOR
	C.A. O.S.A. DN. CLG. S.W.S. S.W.R. N.C. N.O. N.I.C. P.O.G. G.C. P.C. E.C.	COMBUSTION AIR  DUTSIDE AIR  DOWN  CELLING  SDEWALL SUPPLY  SDEWALL RETURN  NORMALLY COSED  NORMALLY COSED  NORMALLY OFF  NOR NOT IN CONTRACT  FOINT OF CONNECTION  GENERAL CONTRACTOR  PLUMBING CONTRACTOR  PLUMBING CONTRACTOR  PLUMBING CONTRACTOR  PLUMBING CONTRACTOR
- g	C.A. O.S.A. DN. CLG. S.W.S. S.W.R. N.C. N.O. N.I.C. P.O.G. G.C. P.C. E.C.	COMBUSTON AIR  DOWN  CELINO  SDEWALL SUPPLY  SDEWALL RETURN  NORMALLY COSED  NORMALLY COSED  NORMALLY OFFE  NORMACH OF CONTRACT  FOINT OF CONNECTION  EENERAL CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING CONTRACTOR  FLUT THEN BOOK AND
<del>-</del> -	C.A. O.S.A. DN. CLG. S.W.S. S.W.R. N.C. N.O. N.I.C. P.O.G. G.C. P.C. E.C.	COMBUSTON AR  DOWN  CELING  DOWN  CELING  SDEWALL SUPPLY  SDEWALL SUPPLY  SDEWALL SETURN  NORMALLY CLOED  NORMALLY CLOED  NORMALLY OPEN  NORMALT OF CONNECTION  GENERAL CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING CONTRACTOR  LECTRICAL CONTRACTOR  LECTRICAL CONTRACTOR  LETTRICAL CONTRACTOR  TURNING CONTRACTOR  TURNING CONTRACTOR  TURNING VANES  EXTRACTORS
<u> </u>	C.A. O.S.A. DN. CLG. S.W.S. S.W.R. N.C. N.O. N.I.C. P.O.G. G.C. P.C. E.C.	COMBUSTON AR  OUTSIDE AR  DOWN  CELLING  SDEWALL SUPPLY  SDEWALL RETURN  NORMALLY COSED  NORMALLY COSED  NORMALLY OFFEN  NORMALLY OFFEN  FORT OF CONTRACT  FORT OF CONTRACT  FULLWISH CONTRACT  FLUMBING CONTRACTOR  FLUMBING CONTRACTOR  LIECTRICAL CONTRAC
<del>-</del> -	C.A. O.S.A. DN. CLG. S.W.S. S.W.R. N.C. N.O. N.I.C. P.O.G. G.C. P.C. E.C.	COMBUSTON AR  DOWN  CELING  DOWN  CELING  SDEWALL SUPPLY  SDEWALL SUPPLY  SDEWALL SETURN  NORMALLY COED  NORMALLY OPEN  NORMALLY OPEN  NORMALLY OPEN  NORMALT OF CONNECTION  GENERAL CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING VANES  FURN. & INST. BY MECH.
<u> </u>	C.A. O.S.A. DN CLG. S.W.S. S.W.R. N.C. N.C. N.L. P.O.C. G.C. P.C. E.C. U.T.R.	COMBUSTON AR  OUTSIDE AR  DOWN  CELLING  SDEWALL SUPPLY  SDEWALL RETURN  NORMALLY COSED  NORMALLY COSED  NORMALLY OPEN  NORMALLY OFFEN  FORT OF CONNECTION  GENERAL CONTRACT  FORT OF CONNECTION  GENERAL CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING CONTRACTOR  FLUKTICAL CONTRACTOR  FURNING STATE
© 0 0 ->-	C.A. O.S.A. DN. CLG. S.W.S. S.W.R. N.C. N.O. N.I.C. P.O.G. G.C. P.C. E.C.	COMEUSTON AR  DOWN  CELING  DOWN  CELING  SDEWALL SUPPLY  SDEWALL SUPPLY  SDEWALL SUPPLY  SDEWALL SUPPLY  NORMALLY CLOSED  NORMALLY CLOSED  NORMALLY CLOSED  NORMALLY COPEN  NOT IN CONTRACT  PONT OF CONNECTION  GENERAL CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING VANES  FURN. & INST. BY MECH.  EXTRACTORS  FURN. & INST. BY MECH.  EXPANSION VALVE  CONTROL AIR
<u> </u>	C.A.  O.S.A.  DN.  CLG. S.W.S. S.W.R.  N.C.  N.O.  N.C.  C.C.  C.C.  C.C.  C.C.  C.C.  C.C.  C.A.	COMBUSTON AR  JOUNS DE JAR  JOON CELLING  SDEWALL SUPPLY  SDEWALL RETURN  NORMALLY CLOSED  NORMALLY COSED  NORMALLY OPEN  NORMALLY OPEN  NORMALLY OF THE CONTRACT  FONT OF CONNECTION  GENERAL CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING CONTRACTOR  FLECTRICAL CONT
© 0 0 ->-	C.A. O.S.A. DN CLG. S.W.S. S.W.R. N.C. N.C. N.L. P.O.C. G.C. P.C. E.C. U.T.R.	COMEUSTON AR  DOWN  CELING  DOWN  CELING  SDEWALL SUPPLY  SDEWALL SUPPLY  SDEWALL SUPPLY  SDEWALL SUPPLY  NORMALLY CLOSED  NORMALLY CLOSED  NORMALLY CLOSED  NORMALLY COPEN  NOT IN CONTRACT  PONT OF CONNECTION  GENERAL CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING VANES  FURN. & INST. BY MECH.  EXTRACTORS  FURN. & INST. BY MECH.  EXPANSION VALVE  CONTROL AIR
© 0 0 ->-	C.A.  O.S.A.  DN.  CLG. S.W.S. S.W.R. N.C. N.O. N.O.  L.G. C.C. P.O.C. C.C. L.T.R.  C.A.  M.C.A.	COMBUSTON AR  DOWN  CELING  DOWN  CELING  SDEWALL SUPPLY  SDEWALL SUPPLY  SDEWALL SUPPLY  SDEWALL SUPPLY  SDEWALL SUPPLY  NORMALLY CLOSED  TO SUPPLIE SUPPLIES  FURNER OF CONTRACTOR  FLUESTERCA COORTIGATOR  FLUESTERCA COORTIGATOR  FLUESTERCA TORS  FURN. & INST. BY MECH.  EVPANSION VALVE  CONTROL AIR  DUCT LURING  MAX. GROUT AMPACTY  TOTAL STATIC PRESSURE  FULL LOAD AMAX.
© 0 0 ->-	C.A.  O.S.A.  DN.  CLG. S.W.S. S.W.R.  N.C.  N.G.  N.G.  C.G.  C.C.  E.C.  U.T.R.  C.A.  M.C.A.  T.S.P.	COMBUSTON AR  JOWN  JOUNSIE AR  JOWN  CELING  SOCHALL SUPPLY  SIDEWALL RETURN  NORMALLY CLOSED  NORMALLY COSED  NORMALLY OPEN  NORMALLY OF NORMALLY  FOR THE CONTRACTOR  FOUNT OF CONNECTION  GENERAL CONTRACTOR  FLUMBING CONTRACTOR  FLUMBING CONTRACTOR  FLUETRICAL CONTRACTOR  FLUR ROCE  FLECTRICAL CONTRACTOR  FLECTRICAL CONTRACTOR  FLECTRICAL CONTRACTOR  FLECTRICAL CONTRACTOR  FLECTRICAL CONTRACTOR  FLECTRICAL CONTRACTOR  FURN GENERAL REST.  FURN GENERAL SEPTIME  FURN GENERAL SEPTIME  FURN GENERAL SEPTIME  FURN GENERAL SEPTIME  MAX. CRICUIT AMPACITY  TOTAL STATIC PRESSURE  FULL LOAD AMP  FURL GAOD AMP  FURN GENERAL STATIC PRESSURE  FULL LOAD AMP
© 0 0 ->-	C.A.  O.S.A.  DN.  CLG. S.W.S. S.W.R. N.C. N.O. N.I.C. P.O.C. E.C. U.T.R.  M.C.A. T.S.F. F.LLA.	COMBUSTON AR  DOWN  CELING  DOWN  CELING  SDEWALL SUPPLY  SDEWALL SUPPLY  SDEWALL SUPPLY  SDEWALL SUPPLY  SDEWALL SUPPLY  NORMALLY CLOSED  TO SUPPLIE SUPPLIES  FURNER OF CONTRACTOR  FLUESTERCA COORTIGATOR  FLUESTERCA COORTIGATOR  FLUESTERCA TORS  FURN. & INST. BY MECH.  EVPANSION VALVE  CONTROL AIR  DUCT LURING  MAX. GROUT AMPACTY  TOTAL STATIC PRESSURE  FULL LOAD AMAX.



## Stitch Studio

Contact: Jorge Escamilla 4082 Pomona Street Ventura, California 93003 Direct: 818,523,7201 Email: stitchstudio3d@gmail.c

& N DESIGN GROVE MECHANICAL - PLUMBING - ELECTRICAL 19126 HAYNES STREET #2 RESEDA, CA 91335 TEL (818) 288-4361 FAX: (818) 758-0087



No.	Description	Date
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_		_
		-
_		_
_		_

## PRAJIN DEVELOPMENT

NEW BUILDING PRAJIN BROTHERS, LLC 5707 PACIFIC BLVD. HUNTINGTON PARK, CA 90255

> LEGEND, NOTES & SCHDULES

roject number	Project Number
ate	02-23-17
rawn by	A.N.
hecked by	A.N.

M100

#### SUPPLY DIFFUSER & CEILING RETURN CFM TABLE CEILING SUPPLY DIFFUSER CEILING RETURN GRILLE SIZE CFM RANGE SIZE CFM RANGE 0-100 6X6 0-100 axa 101-225 8X8 101-150 10X10 226-350 10X10 151-200 12X12 351-500 12X12 201-340 501-680 14X14 341-450 14X14 16X16 681-900 16X16 451-600 901-1120 18X18 601-800 18X18 20X20 1121-1395 20X20 801-1000 22X22 1396-1680 22X22 1001-1400 1681-2000 24X24 1401-1800

SIDEV	VALL D	IFFUS	ERS
SIZE IN.	OUTLET VELOCITY	THROW FEET	CFM
10 X 6	440	8	100
12 X 6	450	9	125
14 X 6	450	10	150
16 X 6	450	11	180
20 X 6	450	12	225
24 X 6	450	14	275
30 X 6	450	15	330
24 X 8	450	16	360
	SIZE IN. 10 X 6 12 X 6 14 X 6 16 X 6 20 X 6 24 X 6 30 X 6	SIZE N. QUILET NELOCITY VELOCITY 10 X 6 440 12 X 6 450 14 X 6 450 20 X 6 450 24 X 6 450 30 X 6 450	NL   VELOCITY   FEET

	CONTROL LEGEND
	LINE VOLTAGE WIRING UNDER ELECTRICAL SECTION.
	LOW VOLTAGE WIRING UNDER THIS SECTION.
(E)	ITEMS FURNISHED AND INSTALLED UNDER ELECTRICAL SECTION.
NOTE ALL	CONDUIT UNDER ELECTRICAL SECTION.

CHARMUS SHOWN ARE SCHEMATIC AND INTERED TO SHOW SEQUENCE OF OPERATION CONLY, CONTRACTOR TO PROVIDE ALL ITEMS AND WIRMOR REQUIRED FOR PROPER OPERATION AND CANALYMACE WITH CODE, VERFY THE EXACT REQUIREMENTS WITH EQUIPMENT MANUFACTURER.

#### NOTE

THE GENERAL CONTRACTOR SHALL HIRE A CIVIL OR STRUCTURAL ENGINEER REGISTERED IN THE STATE OF CALIFORNIA TO DESIGN SEISMC RESTRAINTS FOR THE FOLLOWING:

- STORAGE RACKS OVER 5"-0" IN HEIGHT.

  MECHANICAL DICTIONS AND ROOF MOUNTED MECHANICAL EQUIPMENT.
  PIPING (AND/OR) SPRINKLES.

  ELECTRICAL CAPILE TRAITS (AND/OR) CONDUITS RUNS.

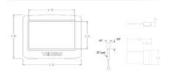
SEISMO RESTRAINS SHALL BE DEFINED AS BRACINAS, STRUTS, HANGERS AND CONNECTIONS BETWEEN THE ABOVE TEDIS AND THE PRIMARY STRUCTURE AS REQUIRED, PROVINDING LUIEBAL STABILITY IN THE EVENT OF THE CODE PRESCRIBED EARTHQUINE.

ALL BRACING, STRUTS, HANGERS AND CONNECTIONS SHALL BE DESIGNED IN CONFORMANCE WITH 2010 CBC, ASCE 7-CB, CHAPTER 13. STRUCTURAL CALCULATIONS AND SEISMIC RESTRANT DETAILS SHALL BE STRAIPED AND PROMISED TO THE BRILLIPING INSPECTIOR PROOF TO INSPECTION.

#### SEISMIC BRACING

AL SIFFDOD UTLITY SYSTEM WHICH NOLUCE ELECTRICAL, MECHANICAL, AND PRIMARE COMPARED HIGH DESCRIPTION CONTROL DESCRIPTION, AND PRIMARE COMPANIES HIGH DESCRIPTION CONTROL DESCRIPTION CONTROL SECTION CONTROL SE

#### Commercial ColorTouch Thermostat T6850



JOS NAME LOCATION	76800	[QUANTITY]	DATE	
BUYER			BAYERPOA	

#### Venstar Indoor/Outdoor Temperature Sensor ACCTSEN



ETAMORIS FEATURES:

Demon is simpletifie with a 15800, 15000, 1900 and 16000 intermoded.

Demon is simpletifie with a 15800, 15000, 1900 and 16000 intermoded.

JOS NAME	ACCTSEN QUANTITY	DATE
LOCATION		Terrore so e 1
ENGINEER.		( BOTER FOR )

## GENERAL NOTES

#### DLICTWORK:

INSTALLATION OF DUCTWORK SHALL BE COORDINATED WITH OTHER TRADES. DUCTS INSTALLED IN LOCATIONS WHERE THEY ARE SUBJECT TO PHYSICAL DAMAGE SHALL BE PROTECTED BY SUITABLE GUARDS.

2. ALL ARE COMMINIONING DUCTS TO COMPLY WITH CHAPTER 6 (2013 EDITION) OF THE LOS ANGELES

- ALL AR CONDITIONING DUCTS TO COMPLY WITH CAMPIER 6 (2013 EMILIARY) or the Lus a MECHANICAL. CODE: ALL TRANSFERS: JOINTS TO BE SUSTAININGLY MIRRIGHT WITH TAPE, MASTIC, GASCISTING OR OTHER MEANS, ALL LOW PRESSURE DUCTWORK 932 EQUAL TO OR LESS THAN O.17 W.G./100 FT. ALL DUCTS FOR VENTLATION INCLUDING GRANGE VENTLATION SYSTEM TO COMPLY WITH CHARTER 5 OF THE 2013 LOS ANGELES MECHANICAL COMPLY WITH CHARTER 5 OF THE
- 3. DUCT SUPPORTS AND ANCHORAGE SHALL COMPLY WITH 2013 LAMC CHAPTER 6 4. MANUAL VOLUME DAMPERS TO BE INSTALLED IN ALL BRANCH TAKE-OFFS. ALL DAMPERS
- TO HAVE COCKING QUARRANTS.

  5. DUCT SIZES SHOWN ARE NET SIZES REQUIRED. LINED DUCTS SHALL BE INCREASED IN SIZE TO ACCOMMODATE LINING WITHOUT LOSS OF AREA.
- SAZE 10 ACCUMANDANTE LINNS WITHOUT LOSS OF AREA.

  FRONDE MISTOR OR DUCT THE ADMIN TO SEAL TENSORERSE JOINTS ON AR
  SUPPLY DUCTS INSTALLED IN LOCATIONS WHERE ARE LEAVAGE THROUGH THE JOINTS
  WOULD BE NON-BENERICAL TO THE COLORIDED AND THORPHATINE REQUIREMENTS.
  AND, SALE LOWALIDADIAL, JOINTS ON LOW-PRESSURE SUPPLY DUCTS WHERE INTERNAL
  STAIL PRESSURE DUCED D. 37 OF WHERE PRESSURE
- PRESSURE EARLED W./J UT WALLET PRESSURE.

  7. FLEX DUCT PSHALL BE ATTRICTED TO ALL REGISTERS, GRILLS, COLLARS AND FITTINGS ACCORDING TO ITS LISTINGS. LE. A MINIAUM OF TWO WARPS OF UL 181 TAPE AND A PRADUIT STRAP ON THE INSIDE LINER AND A MINIAUM OF TWO WARP OF UL 181 TAPE OR A PANDUIT STRAP OR BOTH ON THE OUTSIDE COVER.
- ALL FLEX DUCT SPLICES SHALL BE SLEEVED.
   ALL AFD SPLICES SHALL BE SLEEVED.
- ALL AFD SPLICES SHALL BE SLEEVED.
   MATERIALS EXPOSED WITHIN DUCTS OR PLENUMS SHALL HAVE A FLAME SPREAD INDEX OF NOT.
- MORE THAN 25 AND A SMOKE-DEVELOPED RATING OF NOT MORE THAN 50 PER CBC 2010 FLEXIBLE DUCTS TO BE GLASS-FLEX FOR STRAIGHT RUNS ONLY 8'-0", MAXIMUM IN LENGHT. ALL ELBOWS AND TURNS SHALL BE SHEET METAL GALVANIZED.
- 12. PROVIDE DUCT LINING TO SUPPLY DUCT OF EACH AC UNIT FOR MINMUM OF 10 FT. DUCT LINING TO BE EQUAL TO JOHNS-MANVILE, 1" THICK x 1-1/2 PCF DENSITY DUCT LINER. DUCTWORK TO BE INCREASED IN EACH DIMENSION TO INCORPORATE THICKNESS OF LINING.
- 13. VOLUME DAMPERS IN ALL BRANCH DUCTS.
- 14. PROVIDE GALVANIZED SHEET METAL DUCTS FABRICATED AND INSTALLED TO UNC EDITION 2012 AIR DEVICES:
- ARROWS AT CELLING DIFFUSERS INDICATE THE AIR THROW PATTERN.
   COORDINATE WITH ARCHITECTURAL DRAWINGS AND REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL DIFFUSERS AND REGISTERS AND LOUVERS.
- SUPPLY DIFFUSERS AND REGISTERS TO BE TITUS MODEL: TDX-MA, PIS-MA FOR CEILING INSTALLATION AND/OR TITUS 300FS FOR SIDE-WALL INSTALLATION OR APPROVED EQUAL WITH KEY OPERATED OPPOSED BLADE DIAMPER UNIT.
- HITM KET OPERALED OPPOSED BOULD INMAFER WITH.

  A RETURN AND EXHAUST AIR REGISTERS TO BE TITUS MODEL: 50F—NT FOR CEILING INSTALLATION AND/OR TITUS FLOWBAR FOR SIDE—WALL INSTALLATION OR APPROVED EQUIAL WITH KEY OPERATED OPPOSED BLADE DAMPER UNIT.
- ALL REGISTERS AND GRILLS INSTALLED IN T-BAR CEILINGS SHALL BE ATTACHED AT EACH CORNER TO THE MAIN RUNNERS WITH APPROVED CLIPS OR SM SCREWS.

### INSULATION:

- MINERAL FIBER INSULATION SHALL BE INSTALLED IN JOINT SPACES WHENEVER A PLUMBING PIPE OR DUCT PENETRATES A FLOOR-CEURIO ASSEMBLY OR WHERE SUCH PIPE OR DUCT PASSES THROUGH THE PLANE OF FLOOR-CEURIOS ASSEMBLY FROM WITHIN A WALL THE INSULATION SHALL BE INSTALLED TO A POINT 12" BEYOND THE PIPE OR DUCT.
- COMBUSTION AIR, KITCHEN AND BATHROOM EXHAUST DUCTS WITHIN SOUND SEPARATION ASSEMBLIES SHALL BE WRAPPED WITH TYPE "C" INSULATION AS SHOWN IN TABLE NO. 6-4, UNIFORM MECHANICAL CODE.
- O-4, UNFORM MICHARIOL, CODE.

  CERING CONCALED SUPPLY AND RETURN DUCTS TO BE COVERED ALL SIDES WITH 2"
  THICK 3/4 LB/CU, FT, OR WITH 1" THICK 15 LB/CU, FT, DESIGN FEBRUARS
  BY CONCOLLING FOR CO. OR SELECTION FOR THE PROPERTY FEBRUARS
  OF CONCOLLING FOR CO. OR SELECTION FOR THE RESIDENCE OF CONCENTRATION FOR CONCENTRATION
- POLY SEAL MATERIAL.

  A INSULATION RETAILER SHALL POST IN A CONSPICUOUS LOCATION IN THE BUILDING A CERTIFICATE SCIENCE BY THE INSTALLER AND BUILDER STATING THAT THE INSULATION CONFORMS WITH THE REQUIREMENTS OF THE Z4, CHIPTER 2–3 AND THAT THE MATERIAL INSTALLED CONFORMS WITH THE REQUIREMENTS OF TITLE 20, CHAPTER 2, SUB-CHAPTER 4, ARTICLE 3.
- SUB-CHAPTER 4, ARICLE 3.

  ALL INSULATION MATERIALS SHALL BE CERTIFIED BY THE MANUFACTURER AS COMPLYING WITH THE CAUFORNA QUALITY STANDARD FOR INSULATION MATERIAL.

  I. INSULATION APPLIED TO THE EXTERIOR SURFACE OF DUCTS LOCATED IN THE BULDINGS SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND A SMOKE-EPINSTIY MOT EXCEEDING 50 PER CBC 2010. PIPING:
- PROVIDE A 3/4" MINMAUM CONDENSATE DRAIN FROM EACH AC UNIT TO AN APPROVED DISPOSAL AREA. CONDENSATE MATER SHALL NOT DRAIN OVER A PUBLIC WAY. THE DRAIN SHALL HAVE A SLOPE OF NOT LESS THAN 1/3 MICH PER FOOT AND SHALL BE OF APPROVED CORROBORNESISTANT PIPE. (THIS WORK IS UNDER PLUMBING SECTION, RETER TO PUBLISHING DRAININGS).
- NETH O FUNDAMEN DIMMINISTS.

  2. FOR COLOUR EQUIPMENT LOCATED IN AN ATTIC OR FURRED SPACE, AN ADDITIONAL MITTER-TION FOR OF CORPOSON—RESISSIANT WEEK, SPALL ER INSTILLED BENEATH HER CORPORATION FOR A THE ADDITIONAL PART SHALL BE INSTILLED BENEATH HER CORPORATION FORWARD. FOR A THE ADDITIONAL PART SHALL BENEATH HER CORPORATION FORWARD IN THE ADDITIONAL PART SHALL BENEATH OF THE REPORT OF SECRETARY OF SHAME SHOWN FOR A THE ADDITIONAL PART OF THE PROPERTY OF THE ADDITIONAL PROPERT

#### CODE

1. MOUNT WALL MOUNTED THERMOSTATS 4' - 0" ABOVE FINISHED FLOOR.

EQUIPMENT CAPACITY IN TORS OF REFRIGERATION (kW)

Outside Air - 20%

WB 90°F 73°F (32°C) (23°C)

1. MOON MICH DEVENOUS AS 4 - 0 MOONE PROPERTY DOUBLINGS PRODUCING CONTROL PRODUCING

CONDENSATE WASTE SIZING

THE SIZE OF CONCENSATE WASTE PIPES MAY BE FOR ONE UNIT OR A COMBINATION OF UNITS, OR AS RECOMMENDED BY THE MANUFACTURER. THE CHARGITY OF MASTE PIPES ASSUMES A X INCH PER FOOT (10.5 mm/m) OR ONE PERCENT SLOPE, WITH THE PIPE RUNNING THREE-QUARTERS FULL

NINIMUM CONDENSATE PIPE DUANETER IN INCHES (mm)

Room Air - 80% 08 WB 75'F 62.5'F (24'C) (17'C)

- AREA, OR THERE IS A COMMON RETURN AR PEDIUM FOR A NUMBER OF AR COMMONNON UNITS, ALL SMOKE DETECTIORS MUST BE INTERCONNECTED TO SHUT-OFF ALL EQUIPMENT DEVIN WHICH SMOKE DETECTED OF YOUN ONE SMOKE DETECTIOR DUTY ON SHOWING DETECTIOR, DUTY NO SHOWING DETECTION, DUTY NO FULL MINISTER, ADMINISTRATION, DUTY NO SHOWING DAY ON SHOWING DAY ON
- 4. CONTRACTOR SHALL PROVIDE FIRE DAMPERS AT FIRE RATED PENETRATIONS.
- INSTITUTIONS OFFICE IN MOUL THE MEASURE OF THE MOUL THE M
- ACCESS TO INSPECT, SERVICE, REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION TO ALL EQUIPMENT SHALL BE PROVIDED. UNLESS OTHERWISE SPECIFIED, NOT LESS THAN 30 INCHES OF WORKING SPACE AND PLATFORM SHALL BE PROVIDED.
- NOT LESS THAN 30 NORDS OF WORKING SPACE AND PURIFICIAL SHALL BE PROVIDED. SO INCLET ROOMS WITHOUT WINDOWS OR SWINDOW AREA USES THAN 55 OF FOLICE FLOOR AREA, SHALL HAVE A MECHANOLILY OPERATED EXHAUST SYSTEM CAPHABLE OF ROYUMING A COMPITED CHANGE OF ARE DEAT IN MANUTIS G ARE CHANGE PER HOUR). TOLET DOWNLIST DUCTS SHALL BE DIRECTLY CONNECTED TO THE CUTSIDE AND SHALL BE OF THE CHANGE PER HOUR).
- 9. ALL OSI INTERSE MISTIES EL DETERMINANTA MINTY PROM ALL PLUMBING DE APPLIANCE MISTIES MISTIES EL DETERMINANTA MINTY PROM ALL PLUMBING DE APPLIANCE MINTY SCREEN NAVIOS 1/4" OFFENNIO. MINTY SCREEN NAVIOS 1/4" OFFENNIO. BATHROOM, DRIVEY EVENT, ELC. SHALL TESMINATE AT LESST 3 FEET FROM PROPERTY LINE, ANY OFFENNIEL WINDOW, AND 10 FEET AWAY FROM ANY FROM A VENTILATION, COMMERCIAL KITCHEN HOOD, ETC. SHALL TERMINATE AT LEAST 10 FEET FROM PROPERTY LINE, OPENINGS INTO THE BUILDING, FRESH AIR INTAKE OPENING, ABOVE ADDIGHING GRADE, AND 3 FEET FROM EXTERIOR WALL OR ROOF.
- ABOVE ADJOHNIC GRADE, AND 3 FEET FROM DITERIOR WALL OR ROOF.

  11.ALL PENETRATIONS IN FIRE WALLS AND FLOOR-AND ROOF-CELLING ASSEMBLES REQUIRING PROTECTED OPENING SHALL BE FIRE-STOPPED PROVIDE FIRE STOPPING SHALL BE FIRE-STOPPED PROVIDE FIRE STOPPING AGENCY.

  12.ALL PENETRATIONS OR OPENINGS IN CONSTRUCTION ASSEMBLES FOR PIPPING.

  12.ALL PENETRATIONS OR OPENINGS IN CONSTRUCTION ASSEMBLES FOR PIPPING. OF THE PROVIDED PROVIDED FOR THE PROVIDED PROVIDED IN CONSTRUCTION ASSEMBLES SHALL BE ISJUATED TO MAINTAIN THE REQUIRED PROVIDED IN SOUTH ASSEMBLES SHALL BE ISJUATED FROM THE BUILDING CONSTRUCTION BY MEANS OF RESILIENT SLEEPS, MOUNTS, OR MINIMUM 1/4" THOSE APPROVED RESILIENT MATERIAL (EXCEPTING ORS PIPPING MEED NOTE LUNDRY).
- 14.CLOTHES DRYER EXHAUST DUCTS MUST BE OF METAL.
- 15.ALL GAS FIRED HEATING EQUIPMENT SHALL BE "IID" (PILOT-LESS) TYPE. 16.PROVIDE A 6" CLEARANCE ON FRONT, SIDES AND BACK OF THE FURNACE.
- TO STANDING A 6 CLEANWING WITH THOMIS, SILES AND BOLK OF THE FORMACE.

  JUL APPROVED FIRE STOPPING SEALANT.

  RETURN LOCATION DOWNERS OF SEALANT.

  RETURN STOPPING SEALANT.

  RETURN STANDING SEALANT.

  RETURN STANDING SEALANT.

  RETURN STANDING SEALANT.

  RETURN SEALA
- 19. WHEN MORE THAN ONE HEATING, COOLING, VENTILATING OR REFRIGERATING SYSTEM IS INSTALLED ON THE ROOF OF A BUILDING OR WITHIN A BUILDING, IT SHALL BE PERMANENTLY DEDRIFIED AS TO THE AREA OR SPACE SERVED BY THE EQUIPMENT.

## ENERGY:

- 1. BACK-DRAFT DAMPERS FOR ALL EXHAUST AND FAN SYSTEMS SHALL BE PROVIDED. EXCEPTION: NO BACK-DRAFT DAMPERS IN GREASE DUCTS.
- ALL WATER HEATING AND AIR CONDITIONING EQUIPMENT, SHOWER HEADS AND FAUCETS SHALL BE C.E.C. CERTIFIED.
- SANL BET CEC CESTIFES.

  Authorities Temperature control, source for reclausion of space temperature control, source for reclausion of space temperature control, source for reclausion of space temperature shall be equipped with north set bock on have the ability to perame the leating and the colories in source. Control shall be adultshale to provide a range of the to 100 decreases ferticen full heating and full colories and have a companity of temperature control decreases from the colories of an emperature control document of the provided for the colories of the color

- SCHEDILES AND TIGS.

  ALL AR CONTRONNED UNITS TO BE EQUIPPED WITH A READILY ACCESS HAZ
  MANUALLY ADJISTREE ATTOMATIC MEANS OF REDUCING THE DERBY USED FOR HAZ
  DURING PERIOD OF MON USE OF A RETERMED ESS OF THE BERLINGH SPACE OF ZONES

  FOR THE PROPERTY OF THE PROPERTY OF THE PROPERTY CORD OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF USED OUTSEE ARE DURING FOR USED

  SERVE AS A MANN OF PROVIDING ARE VOLUME REDUCTION AND/OF SHITL-OFF WHEN
  VENTALINGH S ON TREATMENT OF THE PROPERTY COMMISSION AND FOR THE PROPERTY OF THE PROP

## QUALITY CONTROL:

- 1. PROVIDE AS BUILT DRAWINGS AND SUBMIT COPIES TO THE OWNER. CONTRACTOR SHOULD SUBMIT SHOP DRAWINGS. EQUIPMENT HANGERS, ANCHOR BOLTS AND METHODS OF INSTALLATION MUST HAVE CITY APPROVAL AND MAY BE SUPPLIED BY HILTI OR EQUAL.
- HILTI ONE EDUAL.

  3. IT IS THE SPECIFIC MITENT OF THIS DESIGN CONDITIONS THAT THE ENTIRE SYSTEM INCLUDING EQUIPMENT, DUCTWORK, AR CULTES/MEITS AND ALL OHER PARTS BE MOSELESS AND FREE OF WERROOM TRANSMISSION. PROVIDE AND INSTALL VIBRATION ISOLATORS OR DAMPERS, SOUND INSULATION PLOS, FLERIBE CONNECTIONS AND SMALER ANTERNAL AS REQUIRED. INSTALL VALUE OMMERS ON ALL DUCTS AS FAR AS MOSSING FROM AR NELT/FOUTLET MAKE THE MECESSARY MODE OF WERRICHM CORRECTIONS OF MISTALLY THESE THESE AND COST OF COMERCY.

- 4. THE DRAWINGS ARE IN PART DIAGRAMMATIC AND ARE INTENDED TO CONVEY THE SCOPE OF THE WORK; THEY NDICATE THE GENERAL ARRANGEMENT AND APPROXIMATE SIZES OF EQUIPMENT, DOUTRORKE, PIPMS, QUITETS, ETC. FOLLOW THE DRAWINGS AS CLOSELY AS PRACTICAL IN LAYING OUT THE WORK, BE GUIDED BY THE CONDITIONS AT THE JOB
- AND CONSULT THE CONSTRUCTION DRAWINGS OF THE OTHER TRADES TO BECOME FAMILIAR WITH ALL CONDITIONS AFFECTING THE WORK.
- 5. UPON COMPLETION OF AND AFTER CLEANING OF SISTEM AND EQUIPMENT, CAREFULLY ADJUST FOR NORMAL OPERATION OF THE AUTOMATIC PARTS OF HEATING, VENTILATING AND AR COMMONIONING SYSTEM.

  6. EQUIPMENT AND DUCTWORK EXPOSED TO WEATHER MUST BE WEATHERPROOFED.
- ROOF MOUNTED EQUIPMENT SHALL BE LABELED AS TO THE SPACE IT SERVES. (WHEN MORE THAN ONE HEATING OR COOLING UNIT SERVES DIFFERENT OCCUPANTS.)
- R. CONTRACTOR SHALL BALANCE ARE SYSTEM TO THE OFM CAPACITY AS SHOWN ON THOO
   ALL APPLIANCES DESIGNED TO BE FIXED IN POSITION SHALL BE SECURELY FASTEMED IN PLACE PER 2010 CMC, 304.4 (FOR SECURED FASTEMING AND SUPPORT OF APPLIANCES)
- 10.FURNISHING AND INSTALLATION OF ALL LOW VOLT. WIRING FOR MECHANICAL SYSTEMS SHALL BE BY THE MECHANICAL CONTRACTOR. STALL BE STITLE MEDIANAL CONTINUENT, DESPRISE, PLATFORMS, ROOFING, PATCHING, CUTTING, ROTING SHAFTS, DIRENNS, FLASHING AND PANTING SHAFL BE BY THE GENERAL CONTINUENCE. AS CONDEINAL BE BY THE TABLES OF THE CONTINUENCE OF TH
- INSCOUNTS FIRMS. CUMPRELIANS SHALL BE BY THE PLUMBING CONTRACTOR.

  JAZIRNISHMO BON STALALTION OF ALL LIVE YOLT, WHONG, ALL LOW AND LINE YOLT
  CONQUITS AND AUXILIARIES FOR RECHANGAL SYSTEMS SHALL BE BY THE ELECTRICAL
  CONTRACTOR. THE CONQUIT FOR LOW YOLTINGS WINNED OF MECHANICAL SYSTEM
  EPOSED. TO THE WEATHER SHALL BE APPROVED FOR EXTERIOR USE AND BE BY THE
  ELECTRICAL CONTRACTOR.
- 14. ALL COMBINATION SMOKE/ FIRE DAMPERS SHALL INTERLOCKED FOR GLOBAL SHUTDOWN WITH ALL DUCT SMOKE DETECTORS, SMOKE AREA DETECTORS, ALL AIR HANDLING EQUIPMENT AND THE ALARM SYSTEM IF PROMISED
- 19.4. DUT ESTINGS SHALL SE MANIHELD TESTED TO THE MANIFACTUREDS SPECIAL DUT SENDENCE OF THE CITY OF LOS MORLES BUILDING INSPECTOR PROR TO THE FINAL APPROVAL.

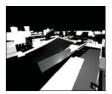
  A ALL DITTERS MOMANIED DUT DESTROYS SHALL SE BATED AT 150 DEGRESS F, OR HIGHER AND SE MOUNTED BUT DESTROYS STUTENLY SENDENCETS.

  T, ALL ROOTERS COUNTED HE A NEUMA PRIED ENCLOSURE OF 3-R OR HIGHER.

  17. ALL ROOTERS COUNTED HE SOURCES EXTERNUL SECONDACTS.
- ALL ROUPINE EQUIPMENT REQUIRES EXTERNAL DISCONNECTS.
   ALL EQUIPMENT SHALL BE LABELED OR LISTED BY A RECOGNIZED APPROVAL AGENCY.
- 19. A RETURN AIR PLENUMS ARE NOT PERMITTED ON THIS JOB WITHOUT PLAN CHECK APPROVAL
- 20 ALL MECHANICAL COLLEMENT DESIGNED TO BE FIXED IN POSITION SHALL BE SECURELY ALL MECHANICAL EQUIPMENT DESIGNED TO BE FRED IN PUSHION SHALL BE SECURELY FASTENED IN PLOCE. OTHER COUPMENT THAT IS OVER 5 FEET IN HEIGHT, IT SHALL BE SECURED IF ONE OF THE FOLLOWING APPLY: (T-16-P)

  a. EXCEEDS HEIGHT TO WIDTH ARTHO OF 1-1/2 1.
  b. CENTER OF GRANTY IS LOCATED ABOVE MID—HEIGHT.
- ALL APPLIANCES DESIGNED TO BE FIXED IN POSITION SHALL BE SECURELY FASTENED IN PLACE PER BUILDING CODE REQUIREMENTS.
- 22 BOOF MOUNTED FOUNDMENT SHALL BE LABELED AS TO THE SPACE IT SERVES
- NOOP MOUNTED EQUIPMENT STALL BE DIRECTED AS TO THE STALL IT SERVES.
   MATERIALS EXPOSED WITHIN DUCTS OR PLENUMS SHALL HAVE FLAMESPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE—DEVELOPED RATING OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH CBC SECTION 703.4.2
- NO ANALYSIS HAS BEEN MADE WITH REGARD TO SOURCES OR POTENTIAL SOURCES OF INDOOR OR OUTDOOR AIR CONTAMINANTS OR LEVELS OF CONTAMINATION.
   IT IS THE RESPONSIBILITY OF THE GENERAL AND MECHANICAL.
- CONTRACTOR TO INFORM THE TENANT'S REPRESENTATIVE LANDLORD AND TEMANT'S ARCHITECT IF ANY SOURCE OR POTENTIAL SOURCE OF INDOOR AIR CONTAMINATION IS IDENTIFIED.
- AR COMMANDIAN IS DIENTIFED.

  PRIOR TO ENLOGIONE SPACES SUCH AS PLUMBING CHASES, AIR SHATTS AND RETURN AIR PELMIUMS CLEM ALL AREAS THROROUGHY. THE ADDITIONATION OF THE PELMIUM CHAMBER USED FOR REDIRECULATING OF ARI WILL BE OF TIGHT CONSTRUCTION AND THAT ALL SUBJECTS OF COMMISSION FROM THE SOURCES OF COMMISSION FROM THEY SOLIT STATES, DOWNERPOITS, VENTS, DOWNERSON AND OTHER YOUR STATES WILL BE ENCLOSED SO THAT NO CONTINUATION FROM THE ER GENERICATED.
- SO THAT NO CONTAMINATED ARE MILE OF RECIPIOLATED SHUT OF THE HAVE SYSTEM, BLOCK OFF ARE GRILLS, DIFFUSERS AND OTHER OPENINGS OUTSIDE THE IMMEDIATE CONSTRUCTION AREA OTHERNS TO ADJACENT TENANT SPACES SHALL BE COVERED WITH FILTER MEDIA TO PREVENT DUST AND OTHER ARBEDINE CONTAMINANTIS FROM PASSING TO ADJOINING SPACES.
- CONTRACTORS TO INSTALL TEMPORARY EXHAUST SYSTEM TO VENTILATE CONSTRUCTION SITE AND KEEP SITE UNDER SLIGHT NEGATIVE PRESSURE DURING ALL HOURS OF CONSTRUCTION, EVEN IF AFTER NORMAL BUSINESS HOURS.
- 29. CONTRACTORS TO INSTALL TEMPORARY BARRIERS TO PROTECT ADJACENT SPACES FROM DUST, PARTICULATES, VAPORS AND NOISE. WHERE TEMPORARY BARRIERS ARE INSTALLED ALWAYS MAINTAIN FIRE EXITS AND



## Stitch Studio

Contact: Jorge Escamilla 4082 Pomona Street Ventura, Callfornia 93003 Direct: 818,523,7201 Email: stitchstudio3d@gmail.c





No.	Description	Date

# PRAJIN DEVELOPMENT

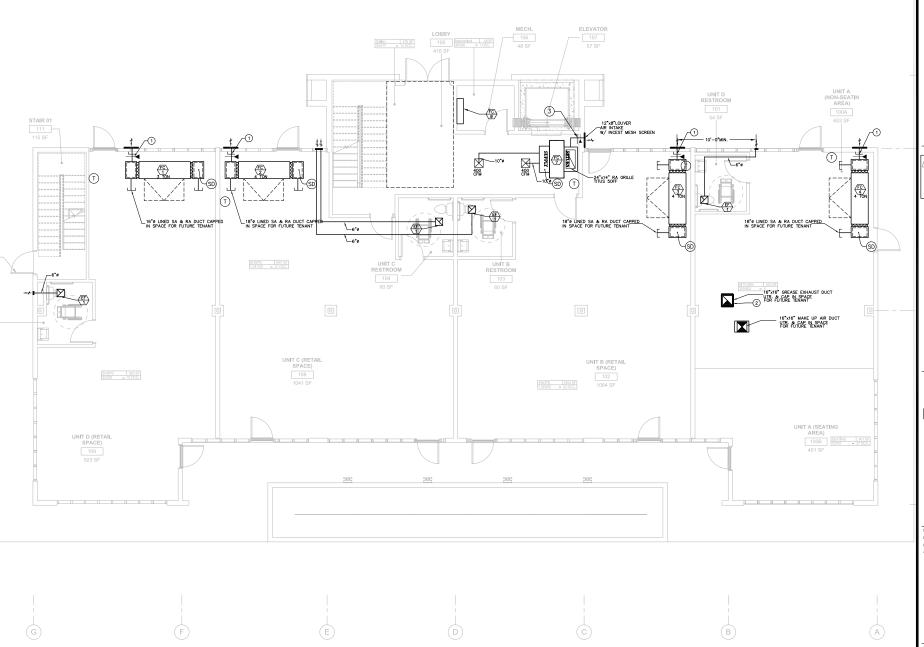
NEW BUILDING PRAJIN BROTHERS, LLC 5707 PACIFIC BLVD. HUNTINGTON PARK, CA 90255

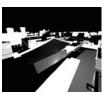
> MECHANICAL NOTES

Project numbe Project Number 02-23-17 Drawn by A.N. Checked by

M101

- NOTES: JOLIANS OF MY JUST OR PRING PARENCHOR, EQUIPMENT RESTAUTION OF DISC PRIOR PER MY JUST OR PRING PARENCHOR, EQUIPMENT RESTAUTION OF DISC THE PRINCE AND CELLING CLEARNINGS AND PROVIDE COMPLETE SHOP DAWNING, ORBAN APPROVAL FOR SHOP DEAWNING FROM ARCHITECT/SHADKER, ANALABLE SPACE, VERIFY WITH ENGINEER, NO EXTRA COST IS ALLOWABLE FOR LOCK OF CORROBIATION AFTER SHOP DEAWNING ARE SUBMITTED.
- 2. SIE INSPECTION. CONTRACTORS SHALL WIST THE SITE OF WORK PRIOR TO WIRE PROPERTY OF THE WORK SUBMISSION OF A BIO ACCOMPANIES FULL RESPONSEILY FOR FURNISHING CONTRACT WILL BE MADE. BUT FUNCTIONAL STSTEM, AND CHANGES IN CONTRACT WILL BE MADE. FUNCTIONAL STSTEM, AND CHANGES IN CONTRACT WILL BE MADE. FUNCTIONAL STSTEM, AND CHANGES IN CONTRACT WILL BE MADE. FURNISHING A COMPLETE AND FUNCTIONAL STSTEM, AND CHANGES IN CONTRACT WILL BE MADE. FURNISHING A COMPLETE AND FUNCTIONAL STSTEM, AND CHANGES IN CONTRACT WILL BE MADE.
- 3— CONTRACTOR TO PROVIDE FLOW SWITCH OR LIQUID SWITCH, IF SECONDARY UNIT IS OPERATIONAL OR FLOWING, FLOAT SWITCH HAS BEEN USED OR WAT SYSMAL SWITCH WITHIN SCONDARY PIPE HAS BEEN INSTALLED BY MANUFACTIVER.



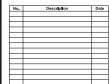


Stitch Studio

Contact: Jorge Escamilla 4082 Pomona Street Ventura, California 93003 Direct: 818.523.7201

A & M DESIGN GROUP MECHANICAL PLUMBING ELECTRICAL 19126 HAYNES STREET #2 RESEDA, CA 91335 TEL (818)-288-4361 FEL (818)-288-6087





# PRAJIN DEVELOPMENT

NEW BUILDING PRAJIN BROTHERS, LLC 5707 PACIFIC BLVD. HUNTINGTON PARK, CA 90255

FIRST FLOOR PLAN

 Project number
 Project Number

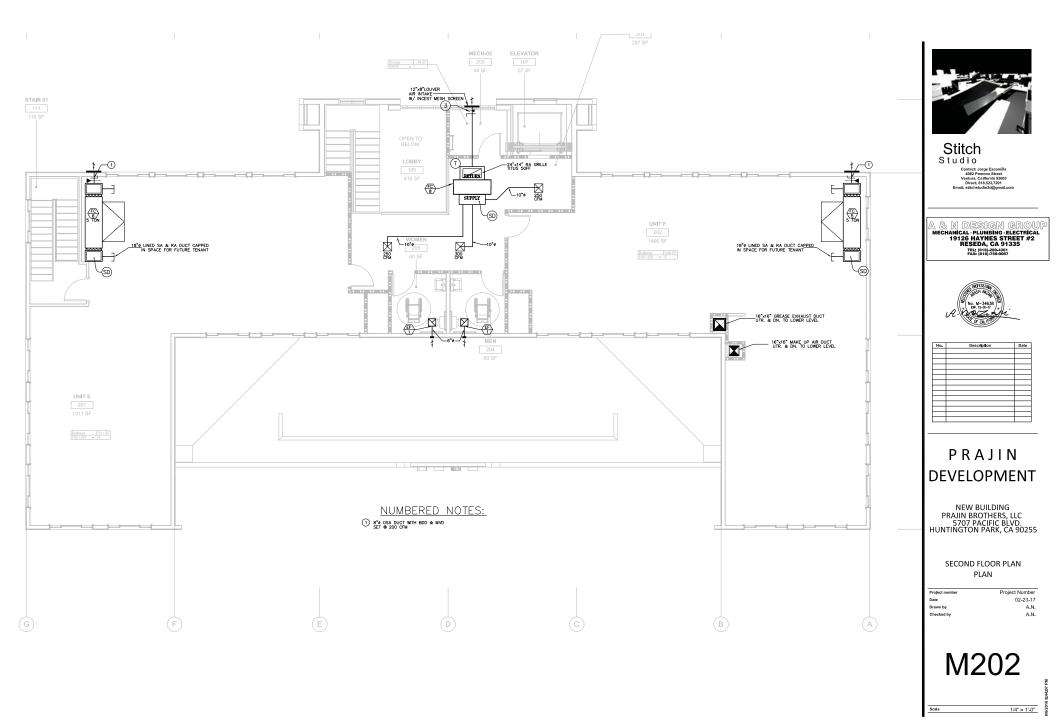
 Date
 02-23-17

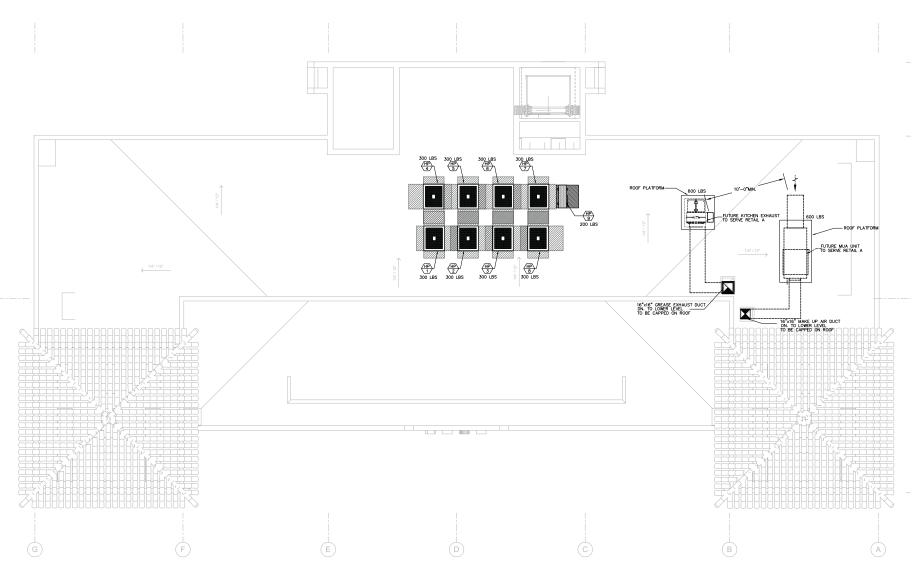
 Drawn by
 A.N.

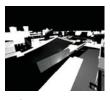
 Checked by
 A.N.

M201

cale 1/4" = 1'-0"





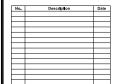


## Stitch Studio

Contact: Jorge Escamilla 4082 Pomona Street Ventura, California 93003 Direct: 818.523.7201 Email: stitchstudio3d@gmail.co

#### A & N DESIGN GROUP MECHANICAL PLUMBING ELECTRICAL 19126 HAYNES STREET #2 RESEDA, CA 91335 TEL (818)-288-4981 FAX: (818)-758-60957





# PRAJIN DEVELOPMENT

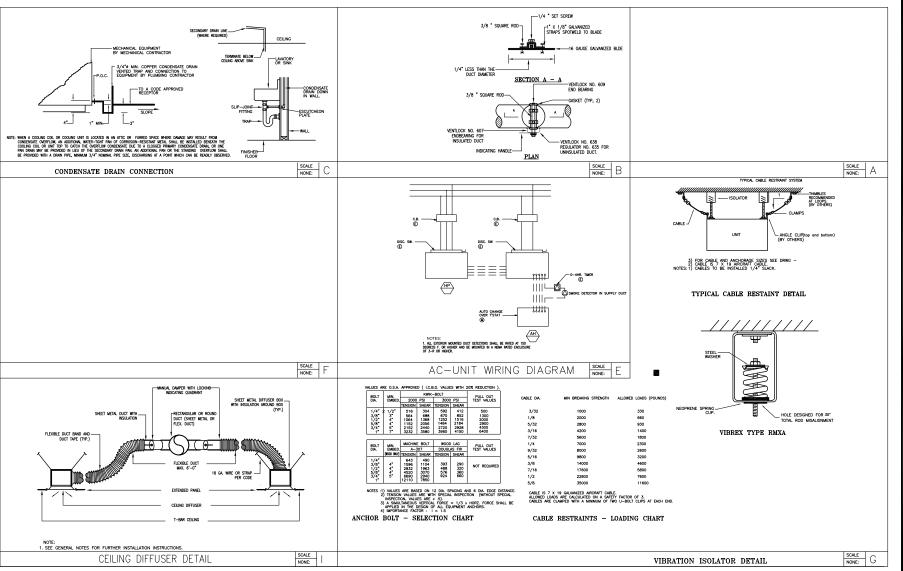
NEW BUILDING PRAJIN BROTHERS, LLC 5707 PACIFIC BLVD. HUNTINGTON PARK, CA 90255

> MECHANICAL ROOF PLAN

ect number	Project Number
	02-23-17
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M203

e 1/4" = 1'-0" 8



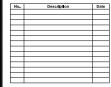


# Studio

Contact: Jorge Escamilla 4082 Pomona Street Ventura, California 93003 Direct: 818.523.7201 pai: strichstudio3d@gmail.com

#### A & N DESIGN GROUP MECHANICAL PLUMBING ELECTRICAL 19126 HAYNES STREET #2 RESEDA, CA 91335 TEL: 0191/28-0497 FAX: 0191/28-0497





# PRAJIN DEVELOPMENT

NEW BUILDING PRAJIN BROTHERS, LLC 5707 PACIFIC BLVD. HUNTINGTON PARK, CA 90255

> MECHANICAL DETAILS

 Project number
 Project Number

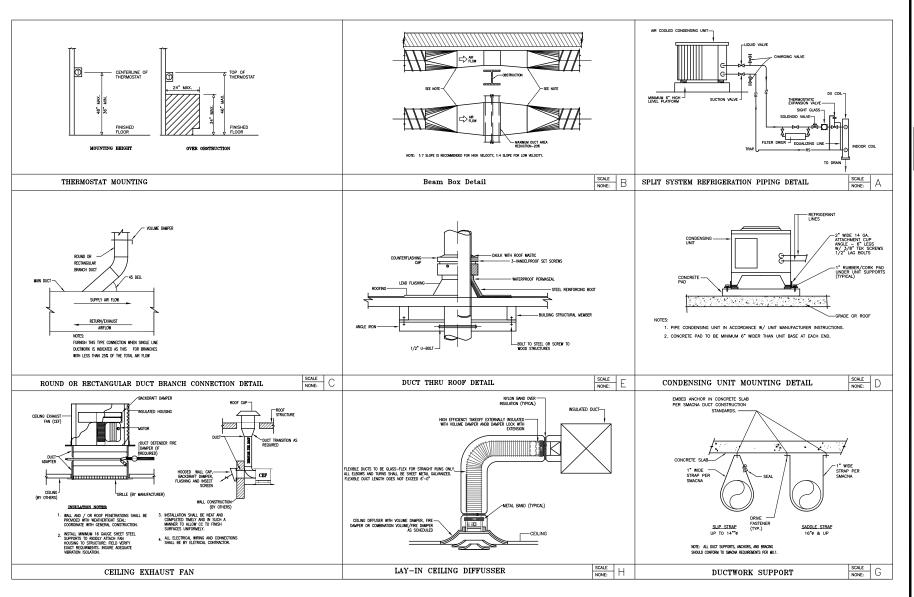
 Date
 02-23-17

 Drawn by
 A.N.

 Checked by
 A.N.

M300

Out: NTC



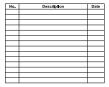


# Studio

Contact: Jorge Escamilla 4082 Pomona Street Ventura, California 93003 Direct: 818.523.7201 ail: stitchstudio3d@gmail.com

# A & N DESIGN GROUP MECHANICAL PLUMBING - ELECTRICAL 19126 HAYNES STREET #2 RESEDA, CA 91335 TELL (919):288-4991 FEM (919):288-4991





# P R A J I N DEVELOPMENT

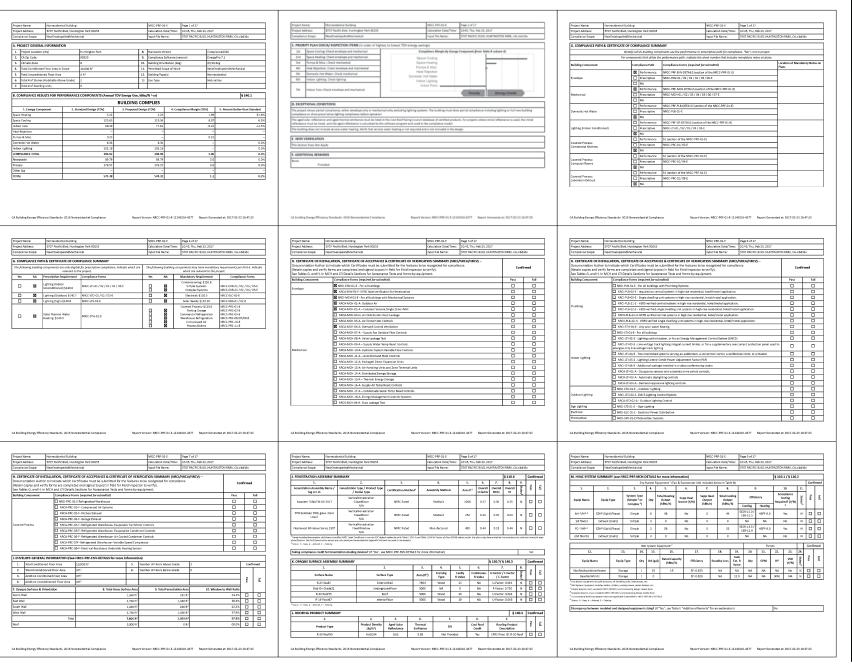
NEW BUILDING PRAJIN BROTHERS, LLC 5707 PACIFIC BLVD. HUNTINGTON PARK, CA 90255

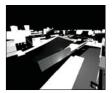
> MECHANICAL DETAILS

oject number	Project Number
te	02-23-17
awn by	A.N.
ecked by	A.N.

M301

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Stitch Studio

Contact: Jorge Escamilla 4082 Pomona Street Ventura, California 93003 Direct: 818,523,7201 Email: stitchstudio3d@gmail.co

A & N DESIGN GROUP MECHANICAL PLUMBING ELECTRICAL 19126 HAYNES STREET #2 RESEDA, CA 91335 TEL: (818)-288-4981 FAX: (818)-786-0087



No.	Description	Date

## PRAJIN DEVELOPMENT

NEW BUILDING PRAJIN BROTHERS, LLC 5707 PACIFIC BLVD. HUNTINGTON PARK, CA 90255

> TITLE-24 REPORT

 Project number
 Project Number

 Date
 02-23-17

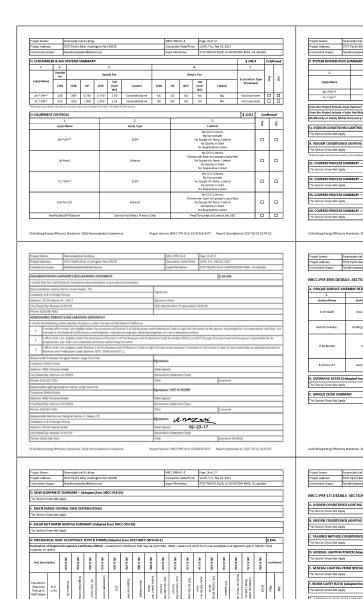
 Drawn by
 A.N.

 Checked by
 A.N.

M400

Scale NTS

6/2016 8:44:07 PI



	Nonre	sidential Building		NRCC-PRF-01-E	Page 11 of 17			
Project Address:	5707 B	Solfic Blvd, Huntington Park 90255		Calculation Date/Time:	10:45, Thu, Feb 21, 2	017		
Compliance Scope:	NewE	welopeAndMechanical		Input File Name:	5707 PACIFIC BLVD, H	UNTINGTON PARK, CA	ldbd16+	
P. SYSTEM DISTRIBL	TION SIL	MMARY				§ 120.4/ § 140.4(I)		
1. SISTEM DISTING	1101130	minest		Dry System Distr		3 110-4 3 1-10-40		dirmed
1.		2.	3.	4.			-	T
			Duct Leakage and Sealing	Duct Leakage will be	0.0	cts	7	2
Equip Name		Equip Type	Required per 140.4(f)	verified per NA1 and NA2	Insulation R-Value	tocation		-
AH-*/HP-*		SZHP	No	No	8	Unconditioned		
FC-*/HP-*		SZHP	No	No	8	Unconditioned		
	4. 7	voterns? Iif "Yes", see NRCC-PRF-MCH-DET					=	No
		Hot Water System? (# "Yes", see MRCC-PR					$\rightarrow$	No.
		upancy? (# "Yes", see NRCC-PRF-MCH-CET					$\rightarrow$	No.
милтатну от носеу	MIOSEI UC	supancy/ (if "res", see NRUL-HO-MICH-UE)	DULS for DHW system Imon	nation				NO
Q. INDOOR CONDIT	ONED U	GHTING GENERAL INFO (see NRCC-PRE	-LTI-DETAILS for more inf	o)				
This Section Does Not	1pply							
							_	
R. INDOOR CONDIT	ONED LI	SHTING SCHEDULE (Adapted from NRC	C-LTI-01-Ey				T	§ 130.0
		SHTING SCHEDULE (Adapted from NRC	C-171-01-E) <sup>1</sup>				ī	§ 130.0
This Section Does Not	Apply .	SHTING SCHEDULE (Adapted from NRC		v Scort Ar details.			I	§ 130.0
This Section Does Not If fighting power densities we	Apply record in to		theck prescriptive forces for Lucritosi	v fictoricle devalu.		9 140.9	I	§ 130.0
This Section Does Not Y fighting power describe No S1. COVERED PROCE	ipply rrene'n s SS SUMI	e compliance medel Authory Depart wern, will need to c	theck prescriptive forces for Lucritosi	ve frieelde deraile.		\$ 140.9	<u> </u>	§ 130.0
This Section Does Not 3 Syfting power densities was \$1. COVERED PROCE This Section Does Not	Apply records to SS SUMI Apply	r couplines such Juddey Departures: wil read to c	theck prescriptive forces for Lucritosi	re favelde desale.				§ 130.0
This Section Does Not y Syfeting power describe to \$1. COVERED PROCE This Section Does Not \$2. COVERED PROCE	apply records to SS SUMI apply SS SUMI	e compliance medel Authory Depart wern, will need to c	theck prescriptive forces for Lucritosi	v Shedile denk.		§ 140.9	I	§ 130.0
This Section Does Not y Syfeting power describe to \$1. COVERED PROCE This Section Does Not \$2. COVERED PROCE	apply records to SS SUMI apply SS SUMI	r couplines such Juddey Departures: wil read to c	theck prescriptive forces for Lucritosi	re Schellide dessille.				§ 130.0
This Section Does Not y Sphilip power deniclin to SSI. COVERED PROCE This Section Does Not SSI. COVERED PROCE This Section Does Not	Apply records to SS SUMI Apply SS SUMI	r couplines such Juddey Departures: wil read to c	theck prescriptive forces for Lucritosi	v Schellife derails.	\$140.9			§130.0
This Section Does Not y Sphilip power densities no SSI. COVERED PROCE This Section Does Not SSI. COVERED PROCE This Section Does Not SSI. COVERED PROCE SSI. COVERED PROCE	Apply TYCHO'N THE STREET THE STRE	V CONSIDERE CONTROL OF THE CONTROL OF T	theck prescriptive forces for Lucritosi	v Storet Ar densk	§ 140.9			§ 130.0
This Section Does Not y lighting power densities no S1. COVERED PROCE This Section Does Not S2. COVERED PROCE This Section Does Not S3. COVERED PROCE This Section Does Not This Section Does Not	Apply Transfer S SS SUMI Apply SS SUMI Apply SS SUMI Apply SS SUMI	CONSISSES OF THE STATE OF THE S	theck prescriptive forces for Lucritosi	v Schwilde derale.		\$ 140.9		§ 130.0
This Section Does Not 3 fighting power densities no \$1. COVERED PROCE This Section Does Not \$2. COVERED PROCE This Section Does Not \$3. COVERED PROCE This Section Does Not	Loply Transit to SS SUMI Loply SS SUMI Loply SS SUMI Loply SS SUMI	V CONSIDERE CONTROL OF THE CONTROL OF T	theck prescriptive forces for Lucritosi	v toodsk detak				§ 130.0

Project Name:	Nonresident	ial Building				NECC-PER-	01-1	Page 12 of 17				
Project Address:	5707 Pacific	Blvd, Huntington	Park 90255			Calculation	Date/Time:	10:45, Thu, Feb 23, 201	7			
Compliance Scope:	NewEnvelop	eAndMechanical				Input File I	Varne:	5707 FACIFIC BLVD, HU	NTINGTON PARK, CALOISSIS	x.		
T. UNMET LOAD HOU	RS			_								
Thermal Zone N	arne		Load Hour Limit for rmal Zone	Prop	posed Cooling Unmet	Load Hour	Heating	Usmet Load Hour Limit fo Thermal Zone	Proposed Heating Unma	nt Load Hou		
2-2nd floor			150		699.25			150	0			
U. ENERGY USE SUMN	AARY											
	Component		Standard Design Si (MWh)	te	Proposed Design (MWh)		Margin (MWh)	Standard Design Site (MRtu)	Proposed Design Site (MBtu)	Margin (MEO)		
Spac	o Heating		0.0		0.7		-	20.5	-			
Span	oe Cooling		34.2		37.9		-1.7	-	-	-		
Ind	oor Fatts		24.7		33.3		-8.6		-			
Heat	Rejection		-		-		- 1		-			
Pam	ps & Misc.		0.1		-		-	-	-			
Domest	ic Hot Water		-		-		-	58.0	58.0	0.0		
Indo	or Lighting		41.5		41.5		0.0	-				
COMPL	IANCE TOTAL		102.5		113.4		-10.9	78.5	58.0	20.5		
Re	oeptacle		36.4		36.4		0.0		-	-		
	Yocess		72.7		72.7		0.0	-	-			
0	ther Ltg		-		-		-		-			
	TOTAL		211.6		222.5		-10.9	78.5	58.0	20.5		

NRCC-PRF-MCH-DETAILS -SECTION START-

Report Version: NRCC-PRF-Q1-E-12142016-4377 Report Generated at: 2017-02-23 10-87-25

2. Surface Type Extense Wall	Vapor permeable felt Wood framed wall, 16in. C Gypsum Board - 1	- 1/8 in. C, 5.5ie., R-25	4. Notes	- 1	-					
EsteriorWall	Stucco - 7/8 in Vapor permeable felt Wood framed wall, 16in. O Gypsum Board - 1	- 1/8 in. C, 5.5ie., R-25	Notes	Ť	H					
	Vapor permeable felt Wood framed wall, 16in. C Gypsum Board - 1	-1/8 in. C, 5.5le., R-25			П					
		Stucco - 7/8 in. Vapor permestel felt - 1/8 in. Wood framed wait, 15in. OC, 5 Sin., R-25 Grpzum Board - 1/2 in.								
dergroundFloor	Slab Type = UnheatedSl Insulation Orientation Insulation 8-Value		0							
Roof	Vapor permeable felt Plywood - 1/2 Air - Cantry - Wall Roof Delin Wood framed roof, 24in, 01		0							
InteriorFloor	Plywood - 1/2	in.								
		Wapp permissible felt   Paper   Pape	Ar - Carety, Well Bod Carlier, 3-fin, or more Ar - Carety, Well Bod Carlier, 3-fin, or more Wood Carlier, 1-fin, 1	Vour permitter (1-1)	Note   Proceedings   1.5   1					

R-25 WallS	ExteriorWell	Stucco - 7/8 in. Vapor permas ble felt - 1/6 in. Wood framed wall, 16in. Gypsum Board - 1/2 in.		
Slab On Grade21	UndergroundFloor	Slab Type = UnheatedSlabCnGrade Insulation Orientation = None Insulation 8-Value = 80	0	
R-30 Roof 55	Roof	Asphat hängise - 1/4 in.  Wap or permetale feft - 1/4 in.  Plywood - 1/2 in.  Ar - Certy- Well bott claring - 4 in. or more  Wood framed root, 24n, 04, 9 25n, 8-30  Ground Board - 1/2 in.  In.		0
R-19 Floor67	InteriorFloor	Wood framed Floor, 36in, OC, 31.25in., R-19 Plymood - 1/2 in. Carpet - 3/4 in.	В	0
	Adapted from NRCC-ENV-	92-()		
This Section Does Not Apple C. OPAQUE DOOR SUMB				
	HAN.			

Report Version: NRCC-PRF-01-E-12142016-4377	Report Generated at: 2017-02-23 10:47:25

Para  Operate was present an accordant an accordant and accordant and accordant and accordant and accordant an accordant acc	. MECHANICAL V			ARROW					<u> </u>		-	2. VENT	LATION	15 120.1	0			_	Confi	Г
		ING/COOLING SYS	DESIGN PRIMMER	DESKAN PRIMARY N	MINIMUM PRIMARY FLOW FRACTION	M (CLM)	OW FRACTION	CONTROL	MBISAS	NOTHONED AREA	MIN. VENT PER AREA (GMA/RZ)	DESIGN NUM. OF PEOP	MIN. VENT PER PERSON (CFM/pance)	RECOD VENT ARE FLOW	DESIGN VENT AIR	WOTER VERSION	DCV (V/N)	Andow Interlock	Pass	

2-2nd floor	FC-1/HP-1	1,929	N	A N	4 N	IA NA	N	FC+*/HP-*	5,000	NA.	83	15.0	1,250	1,250	NA.	N	NA.					
			П				П	TOTAL	10,000		NA.		NA.	NA	NA	П						
B. ZONAL SYSTEM	AND TERM	INAL UNI	T SUN	IMARY														5 14	10.4			
1.		2.	3.		1.	5.			6.			7.				8.		Cor	firmed			
System ID	- Control	n Type	Qty		Capacity tuh)	Economies		Tour	Name		Ai	rflow (cf	m)			Fan		Pass	Z			
ayeste io	, J,		1	Heating	Cooling	Londing				D	esign	Min.	Min Ratio		HP	Cycles	ECA Mon		1 5			
1-1st floor-Trm	Uncor	trolled	ε	NA.	NA	NA		1-1	it floor	- :	487	NA.	NA	- 5	u	NA.						
2-2nd floor-Trm	Uncor	trolled	2	NA.	NA.	NA.		2-21	d floor	- 1	929	NA.	NA.	- 1	и	NA.						
C. EXHAUST FAN :	SUMMARY																T	Confin	med			
1		$\neg$			2.		Т	3.	4.	т	5.	т		_	5.		$\neg$					

1.	2.	3.	4.	5.	6.	2	-
System ID	Zone Name	Otty	CFM	Motor BHP	Total Static Pressure (in H20)	1	1 *
1st floor1	1-1st floor	3	100	0.125	4.76		
2nd floor32	2-2nd floor	3	100	0.125	4.76		

		_																		_						
Project Name		Nonre	sidential	Buiking						14	RCC-PRF-I	01-E	Pap	16 of 17							Project Name:		Nonresidential Suiking	NECC-PEF-01-E	Page 17 of 17	
Project Addre	850	5707 F	Pacific Bl	rd, Hustin	gton Perk	90255				c	alculation	Data/Tir	e: 10%	5, Thu, Fe	b 21, 201						Project Address:		5707 Pacific Blvd, Huntington Park 90255	Calculation Date/Time:	10:45, Thu, Reb 23, 2017	
Compliance 2	cope:	NewE	rvelope.#	ndMecha	nical					ir	gut File N	lame:	570	PACIFIC	SLVD, HUP	MINGTO	N PARK, C	Adbd16			Compliance Scope	e:	NewEnvelopeAndMechanical	Input File Name:	5707 PACIFIC BLVD, HUNTINGTON PARK, CA.	dbdMx
D. DHW EQ			ARY - (/	Mapted	from MR	CC-PLB-0	21)														NRCC-PRF-LTI	I-DET	AILS -SECTION START-			
																					A. INDOOR CON	NDITIC	INED LIGHTING CONTROL CREDITS (Adapted from NRCC-LTI-02-E)		5 140.6	
E. MULTI-FA			HW 515	TEM DET	AILS															_	This Section Does	s Not A	pply			
This Section I	loes Not	Apply																								Tr
F. SOLAR HO	T WATE	R HEATIN	(G SUM	MARY (A	dagted	from NR	CC-STH-	01)															INED LIGHTING MANDATORY LIGHTING CONTROLS (Adapted from Ni	CC-ETI-02-E)		\$ 130.1
This Section I	loss Not	Apply .																			This Section Does	s Not A	pay			
=																			_		C. TAILORED M	IETHOI	CONDITIONED LIGHTING POWER ALLOWANCE SUMMARY AND CHE	KUST (Adapted from Ni	RCC-LTI-04-E) 5 140.	.6
G. MECHAN																			∳ RA	4	This Section Does	s Not A	poly			
Declaration of		d Accepta	ance Cert	ificates (f	4RCA) – A	kcoeptano	e Certific	etes that i	may be su	ion tted.	(Retain co	oples and	verify for	ns are con	upleted ar	d signed	to post in	field for	Fleid							
	,,,,					Ι		Т .	Г	_		т —	Ι						Т				G POWER (Adapted from NRCC-LTI-04-E)			§ 140.6-D
Test Descr	intion	¥0.	MCH.	¥ .	Ž.	WCH-664	W.H	Š.	WQ.	- N	Š.	NO.	8	- Š	NO.	8	¥	₹	Confi	irmed	This Section Does	s Not A	pply			
		8	-GOA	ě	1 5	ē	ş	ě	150	WCH-10W	WCH-11A	1 5	WCHIA	MCH-14A	WITHIN	WCH-16W	150	1 2			E. GENERAL LIG	HTING	FROM SPECIAL FUNCTION AREAS (Adapted from NRCC-LTI-04-E)		6 14	10.6(c) 3H
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			2	2:	8		50	۱.	S S	- ₹	\$	ğ	š	8		ě	28									
Equipment Requiring	816	Date of	le Zo	1064	9		8	1 5	2 8	8 5	88	3	200	88	12	- 3	1 d	- 8	١.,		F. ROOM CAVIT	TY RAT	O (Adapted from NRCC-LTI-04-E)			
Testing or	units	8	8 0	1. Ducts	1 8	ΩQ	3	2	Street.	Control	etral	8	200 for	nergy Storage	1	Turn of	0.8	- 5	2	€	This Section Does	s Not A	pply			
Verification		6	100	9	3		1	3	3	3	9	100	2	3	2	8	Woods 1				C ADDITIONAL	Tuer	IT OR LOSE IT* (Adapted from NRCC-LTI-04-E)			
			7						,	`				- 8		ň					This Section Does					
NonResbase SHWSystem	1			-	-		-	-	-	-	-		-	-			-	-			11000001000	21421 A	194			
AH-*/HP-*	6	×	×	-		×			-	-			-	-		-		-	-	0	H. INDOOR & O	OUTDO	OR LIGHTING ACCEPTANCE TESTS & FORMS (Adapted from NRCC-LTI	01-E and NRCC-LTO-01-E	)	§ 130.4
1st floor1	3			-	-	-	-	-	-	-	-		-	-			-	-	Ιŏ	6	This Section Does	s Not A	pply			
FC-*/HP-*	2	×	×	-		×	-	-		-	-	-	-	-			-	-	tā							
2nd ficor32	3			-	-		-	-	-	-	-	-	-	-		-	-	-								
				_	_	_	_	_	_	_	_	_	_					_	_	=						
H. EVAPOR			MMAR	′																						
This Section I	loes Not	Apply .																								
CA Building &	ergy 5%:	iency Star	ndards- 2	016 Nonn	zsidenti al	Complian	nce		Repo	art Versice	n NRCC-P	RF-01-E-1	2142016-	1377	leport Ger	perated a	n: 2017-0	2-23 10:	17:25		CA Building Energy	y 8fficie	rncy Standards- 2016 Nonresidential Compliance Report V	rsion: NRCC-PRF-01-E-1214	12016-4377 Report Generated at: 2017-02-	23 10:47:25

Project Name Prajin Development		2/23/2017
DESCRI	PTION	
<b>Building E</b>	invelope Measures:	
§110.8(a):	Installed insulating material shall have been certified by the manufacturer to comply with the California Quality Standards for insulating material, Title 20 Chapter 4, Article 3.	
§110.8(c):	All Insulating Materials shall be installed in compliance with the flame spread rating and smoke density requirements of Sections 2602 and 707 of Title 24, Part 2.	
§110.8(f):	The opaque portions of framed demising walls in nonresidential buildings shall have insulation with an installed R-value of no less than R-13 between framing members.	
§110.7(a):	All Exterior Joints and openings in the building that are observable sources of air leakage shall be caulked, gasketed, weatherstripped or otherwise sealed.	
§110.6(a):	Manufactured fenestration products and exterior doors shall have air infiltration rates not exceeding 0.3 cfm/lt.2 of window area, 0.3 cfm/lt.2 of door area for residential doors, 0.3 cfm/lt.2 of door area for nonresidential single doors (swinging and siding), and 1.0 cfm/lt.2 for nonresidential double doors (swinging).	
§110.6(a):	Fenestration U-factor shall be rated in accordance with NFRC 100, or the applicable default U-factor.	
§110.6(a) :	Fenestration SHGC shall be rated in accordance with NFRC 200, or NFRC 100 for site-built fenestration, or the applicable default SHGC.	
§110.6(b):	Site Constructed Doors, Windows and Skylights shall be caulked between the unit and the building, and shall be weatherstripped (except for unframed glass doors and fire doors).	

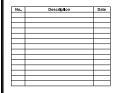


Stitch Studio

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# PRAJIN **DEVELOPMENT**

**NEW BUILDING** PRAJIN BROTHERS, LLC 5707 PACIFIC BLVD. HUNTINGTON PARK, CA 90255

> TITLE-24 REPORT

Project number Project Number 02-23-17 A.N.

M401