	SCHOOS SCHOOS SCHOOS SCHOOS SCHOOL SC
--	---





В	UILDING INDEX		
DESCRIPTION	DSA APPLICATION NO.	OCC. TYPE	CONST. TYPE
GYMNASIUM - OLD	A:8472	A-4	V-A
GYMNASIUM - NEW	A:44510	A-4	III-A
PERFORMING ARTS	A:02-105589	A-1/E/B	V-A
MUSIC BUILDING	A:11908	E	V-B
ADMINISTRATION	A:11908/47372/02-113172	B/E	V-B
LIBRARY	A:6834/02-113172	E	V-B
CLASSROOMS	A:6834/02-113172	E	V-B
CLASSROOMS	A:6834/02-113172	E	V-B
CLASSROOMS	A:6834/02-113172	E	V-B
CLASSROOMS	A:6834/02-113172	E	V-B
CLASSROOMS	A:11908/02-113172	E	V-B
CLASSROOMS	A:23163/02-113172	E	V-B
SCIENCE BUILDING	A:02-102576	E	V-B
GRICULTURE BUILDING	A:11908/33607	E	V-B
RICULTURE/AUTO SHOP	A:11908/02-113172	E/S-1	V-B
CLASSROOM - RELOC.	A:02-101369	E	V-B
CLASSROOM - RELOC.	A:65347	E	V-B
CLASSROOM - RELOC.	A:02-102355	E	V-B
CLASSROOM - RELOC.	A:58647	E	V-B
CLASSROOM - RELOC.	A:57619	E	V-B
CLASSROOM - RELOC.	A:02-102576	E	V-B
SWIMMING POOL	A:02-101673	A-4	-
WEIGHT ROOM	A:02-106928	E	V-B
VISTA HIGH SCHOOL	A:45147	B/E	V-B
SHADE STRUCTURE	A:02-115471	A-3	II-B

architects TIMOTHY P. HUFF & ASSOCIATES, INC. Timothy P. Huff, AIA Architect 519 McHenry Ave., Modesto, CA 95354 Ph: (209) 571-2232 Fax: (209) 571-1936 Copyright 2025 - Timothy P. Huff & Associate Consultants I SCHOOL CLASSROOM ESCALON HIGH 1528 YOSEMITE AVE. ESCALON, CA 95320 ESCALON UNIFIED SC S Z ב SITE Project Number 2321 OCT 2024 Date RRM Drawn by Checked by MC **AS.1** Plot Date & Time 1/21/2025 5:15:44 PM











		Ι
_		Т
	Т	
	1	

8

7

		T	Ţ		Ţ	

| 6 | 5 |

NORTH ELEVATION

4	3	2 1		
		KEYNOTES		
		08.09C ALUMINUM STOREFRONT- REMOVE EXISTING WINDOW SYSTEM AND REPLACE WITH NEW STOREFRONT SYSTEM- SEE STOREFRONT SCHEDULE	A	
		SHEET NOTES		
		SN.06 EXISTNG COLUMN	_	
			В	
			F	
			6	architects
			C	TIMOTHY P. HUFF & ASSOCIATES, INC. Timothy P. Huff AlA Architect
\hat{T} \hat{T} \hat{T}				519 McHenry Ave., Modesto, CA 95354 Ph: (209) 571-2232 Fax: (209) 571-1936
- , <u>x</u> - <u>x</u>				SUSED ARCHI
			D	₩ No. C 15527 ★ 0 REN. 5/25 ₹
				PAR OF CALIFOR
			┠	Copyright 2023 - Timothy P. Huff & Associates
			E	
	^			
SOUTH ELEV				
			F	
			-	
			G	
				Consultants
			н	
			╞	
P				Σ
			I	
				SSR 00
			F	L A CH
	-		Ĭ	
\checkmark			к	SC/ ALON, ALON
				ELE ESC ESC ESC ESC
			F	Project Number2321DateOCT 2024
				Drawn by Author Checked by Checker
			┫╴	A2.1
		NOTES		Plot Date & Time 1/21/2025 5:15:39 PM
4	3		I	



_____ 1 **KEYNOTES** 06.30D PLASTIC LAMINATE UPPER CABINET- SEE 3/AD.1 06.30E PLASTIC LAMINATE BASE CABINET- SEE 4/AD.1 10.40A STAINLESS STEEL PREP TABLE- SEE FOOD SERVICE DRAWINGS APPLIANCES - DISHWASHER- SEE FOOD SERVICE DRAWIWNGS 11.01 APPLIANCES - EXHAUST HOOD- SEE MECHANICAL DRAWINGS 11.02 11.04A APPLIANCES - REFRIGERATOR / FREEZER- SEE FOOD SERVICE DRAWINGS 11.04D APPLIANCES - CLOTHES WASHER- SEE FOOD SERVICE DRAWINGS 11.04E APPLIANCES - CLOTHES DRYER- SEE FOOD SERVICE DRAWINGS APPLIANCES - TEACHING STATION WITH RANGE AND PREP SINK- SEE FOOD SERVICE 11.04G DRAWINGS 11.041 APPLIANCES - RANGE- SEE FOOD SERVICE DRAWINGS 11.04M APPLIANCES - DRY AGER- SEE FOOD SERVICE DRAWINGS 11.040 APPLIANCES - RATIONAL DOUBLE DECK 6 PAN HALF-SIZE NATURAL GAS COMBI OVEN WITH STAND- SEE FOOD SERVICE DRAWINGS 22.01C PLUMBING FIXTURE - 3 COMPARTMENT SINK 22.01D PLUMBING FIXTURE - SINK architects TIMOTHY P. HUFF & ASSOCIATES, INC. Timothy P. Huff, AIA Architect 519 McHenry Ave., Modesto, CA 95354 Ph: (209) 571-2232 Fax: (209) 571-1936 Copyright 2020 - Timothy P. Huff & Associates Consultants ESCALON HIGH SCHOOL FOOD SCIENCE CLASSROOM Ы 1528 YOSEMITE AVE. ESCALON, CA 95320 ESCALON UNIFIED SC Project Number OCT 2024 Date Drawn by Checker Checked by A7.1 Plot Date & Time 1/21/2025 5:15:40 PM 3 2 1

ELEVATION

INTERIOR

2321

Author



3	2	1		
EXISTING TO REMAIN EXISTING TO REMAIN EXISTING TO REMAIN EXISTING TO REMAIN			А	
EXISTING TO REMAIN EXISTING TO REMAIN			В	
			с 	ARCHITECTOR TIMOTHY P. HUFF & ASSOCIATES, INC. Timothy P. Huff, AIA Architect 519 McHenry Ave., Modesto, CA 95354 Ph: (209) 571-2232 Fax: (209) 571-1936
			D	Copyright 2025 - Timothy P. Huff & Associates
			E	
			F	
			G	Consultants
			н	
				CHOOL LASSROON Incr
			J	LON HIGH S SCIENCE C A 95320 NIFIED SCHOOL DISTR NIFIED SCHOOL DISTR
			к 	Project Number2321DateOCT 2024
			L	Drawn by Author Checked by Checker A7.2 Plot Date & Time 1/21/2025 5:15:40 PM







SCALE : 1/4" = 1'-0"

IEM IO	QTY	EQUIPMENT CATEGORY	MANUFACTURER	MODEL NUMBER	REMARKS	WEIGHTS	ANCHORA
	1	AIR CURTAIN, UNHEATED	BERNER	SLC07-1036A		45	C/FS8.2
	1	WALK-IN FREEZER	RMI	FABRICATED ITEM		8.5lb PER SQ.FT. FOR 4" PANELS	1/FS4.1
	2	COLD STORAGE SHELVING	METRO	A2454NK3		600	E/FS8.2
2	1	COLD STORAGE SHELVING	METRO	A2448NK3		800	E/FS8.2
	1	WALK-IN REFRIGERATOR	RMI	FABRICATED ITEM		8.5lb PER SQ.FT. FOR 4" PANELS	1/FS4.1
	2	COLD STORAGE SHELVING	METRO	A2454NK3		600	E/FS8.2
2	1	COLD STORAGE SHELVING	METRO	A2448NK3		800	E/FS8.2
	2	SINK, SCULLERY, 3 COMPARTMENTS	EAGLE GROUP/METAL MASTERS	FFN2754-3-24-14/3		336.3	A/FS8.1
	1	THREE COMPARTMENT SINK	CUSTOM	FABRICATED ITEM		425	A/FS8.1
	1	CLEAN DISHTABLE	CUSTOM	FABRICATED ITEM			C/FS8.1
	1	SPRAY RINSE WITH FAUCET	T&S BRASS	B-0133-01		18	
	1	WAREWASHER, DOOR TYPE, HIGH TEMP	HOBART US FOODSERVICE	AM16VLT-ADV-2		100	I/FS8.2
	2	WALL MOUNT HAND SINK	EAGLE	HSAP-14-ADA-FW		57	B/FS8.2
	2	HAND SINK, WALL MOUNT	ADVANCE TABCO	7-PS-68		20	B/FS8.2
	6	MOBILE WORKTABLE WITH UTENSIL DRAWER	CUSTOM	FABRICATED ITEM		45	MOBILE
	7	REFRIGERATOR, UNDERCOUNTER	CONTINENTAL REFRIGERATOR	SW48N-U	OFCI	250	MOBILE
	2	PREP COUNTER	CUSTOM	FABRICATED		2500	E/FS8.1
1	2	TABLE MOUNTED OVERSHELF	CUSTOM	FABRICATED		PART OF #11	
2	8	THREE STACK UTENSIL DRAWER UNIT		FABRICATED		PART OF #11	L/FS8.1
3	4	PREP SINK	CUSTOM	FABRICATED		PART OF #11	L/FS8.1
	1	DEMO TABLE ADA SINK	CUSTOM	FABRICATED		385	L/FS8.1
	9	RANGE, RESTAURANT, GAS	VULCAN	60SS-6B-24GB-N	OFCI	1045	G/FS8.2
	6	WORK COUNTER	CUSTOM	FABRICATED		100	D/FS8.1
	1	S/S WALL CAP / INSULATED WALL LINING	CUSTOM	FABRICATED		1000	I/FS8.1
	1	OVEN-STEAMER, COMBINATION, ELECTRIC	RATIONAL USA	ICOMBI PRO 6-HALF SIZE/6-HS	OFCI	475	K/FS8.2
	1	OVEN, COOK/HOLD, SMOKE/HOLD	ALTO-SHAAM	1767-SK	OFCI	530	H/FS8.2
	1	ENVIRONMENTAL CHAMBER		KB030	OFCI		
	1	REACH-IN REFRIGERATOR	ADVANTCO	SS-3R-HC	OFCI	715	J/FS8.2
	1	REACH-IN FREEZER	ADVANTCO	A-49F-HC	OFCI	715	J/FS8.2
	1	BLAST CHILLER / SHOCK FREEZER, REACH-IN	IRINOX NORTH AMERICA	EASYFRESH NEXT SL	OFCI	430	L/FS8.1
	1	ICE MAKER W/ BIN	AVANTCO	KMC-H-530-A 30"	OFCI	500	J/FS8.2
	1	DRY AGER	DRY AGER	UX 1500 PRO	OFCI	285	L/FS8.1
	1	UPPER STORAGE CABINET FOR CLEANING SUPPLIES	ADVANCE TABCO	WCH-15-36		120	H/FS8.1
	1	MOP DRAINAGE TRAY	ADVANCE TABCO	K-243		13	
	1	MOP RACK	ADVANCE TABCO	K-242		2	+
	2	WARMING CABINET	TRAULSEN	RHF232W-FHS		670	K/FS8.2
	1	REMOTE REFRIGERATION	COLD ZONE	MPL-2		584	1/FS4.1

HEALTH DEPARTMENT NOTES:

SHIELDED OR COVERED.

SHATTERPROOF BULBS.

ACCESSIBLE FOR CLEANING.

- PROVIDE THERMOMETER IN ALL REFRIGERATION UNITS CONTAINING 11. UNPACKAGED PROCESSED FOODS ON DISPLAY SHALL BE EFFECTIVELY PERISHABLE FOODS.
- PROVIDE PROBE THERMOMETER FOR CHECKING HOT AND COLD FOODS. 12. PROVIDE SOAP AND TOWEL DISPENSERS AT ALL HAND WASHING SINKS. FOOD STORAGE SHELVES SHALL BE MINIMUM SIZE (6) INCHES ABOVE 13. FLOOR SINKS SHALL BE INSTALLED FLUSH WITH FLOOR AND READILY
- FI OOR 4. ALL EQUIPMENT SHALL MEET OR BE EQUIVALENT TO "NSF" STANDARDS. 14. GREASE INTERCEPTORS SHALL BE INSTALLED READILY ACCESSIBLE FOR
- PROVIDE GARMENT STORAGE AREA: LOCKER, CABINET OR HANGERS FOR CLEANING. EMPLOYEE GARMENTS. 15. PROVIDE PROTECTIVE COVERS ON ALL LIGHTS IN FOOD PREPARATION, RODENT AND INSECT-PROOF ALL EXTERIOR DOORS AND WINDOWS.
- PROVIDE HEAVY-DUTY SELF-CLOSERS ON ALL EXTERIOR DOORS AND RESTROOM DOORS. SEAL ALL HOLES OR GAPS AROUND PIPES ENTERING 16. LIGHTING REQUIREMENTS: BUILDING.
- EXTERIOR DOORS SHALL BE RODENT PROOF WITH NO OPENINGS GREATER THAN 1/4 INCH.
- PROVIDE HARDWOOD, METAL, FORMICA OR OTHER APPROVED MATERIALS, SMOOTH WITH SEALER ON ALL TABLE, COUNTERS, SHELVES, AND OTHER FOOD CONTACT SURFACES. 17. EXISTING FIXTURES, FINISHES, AND EQUIPMENT SHALL BE IN OPERABLE
- PROVIDE HAZARDOUS SUBSTANCE LOCATION: SEPARATE CABINET, ROOM CONDITION AND SUBJECT TO FIELD APPROVAL. OR DESIGNATED AREA FOR STORAGE OF PESTICIDE AND CLEANING 18. WALLS & CEILING IN THE RESTROOMS, PREPARATION, STORAGE, AND COMPOUNDS.
- 0. INSTALL EQUIPMENT TO FACILITATE CLEANING. PLACE FLOOR MOUNTED SO AS TO BE SMOOTH, WASHABLE, AND EASY TO CLEAN. UNITS ON CASTERS, MINIMUM SIX (6) INCHES HIGH, ROUND, METAL LEGS, OR SEAL IN POSITION ON MINIMUM FOUR (4) INCH CURB.

APPLICABLE CODE: 2022 CBC MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

- 1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
- 2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
- 3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.
- THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:
- A. COMPONENTS WEIGHING LESS THEN 400 POUNDS AND HAVING A CENTER MASS 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOO T, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

OPENED FOOD STORAGE ROOM(S), UTENSIL WASH AREAS, OR USE

-MINIMUM 50FT. CANDLES REQUIRED IN FOOD PREP AREA

-MINIMUM 10FT. CANDLES REQUIRED IN REFRIGERATORS

-MINIMUM 10FT. CANDLES REQUIRED IN STORAGE AREAS

-LIGHTING SHALL BE SHATTERPROOF OR SHIELDED

-MINIMUM 20FT. CANDLES REQUIRED IN RESTROOMS AND BARS

JANITORIAL AREAS SHALL BE CONSTRUCTED OF APPROVED MATERIALS

4

3

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTIONS SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS. MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MPX MDX PPXEX Option 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

5

MP MD PP E Option 2: SHALL COMPLY WITH HCAi (OSHPD) PREAPPROVED

(OPM #) #_____ AS INCLUDED IN THESE DRAWINGS WITH PROJECT-SPECIFIC NOTES AND DETAILS

4

3

FOODSERVICE DRAWINGS SHEET LIST									
FS1.1 - FOODSERVIO	CE EQUIPMENT FLOOR PLAN								
FS2.1 - FOODSERVIO	CE EQUIPMENT PLUMBING PLAN								
FS2.2 - FOODSERVIO	CE EQUIPMENT PLUMBING SCHEDULE								
FS3.1 - FOODSERVIO	CE EQUIPMENT ELECTRICAL PLAN								
FS3.2 - FOODSERVIO	CE EQUIPMENT ELECTRICAL SCHEDULE								
FS4.1 - FOODSERVIO	CE EQUIPMENT MECHANICAL PLAN								
FS6.1 - FOODSERVIO	CE EQUIPMENT WALK-IN DETAILS								
FS7.1 - FOODSERVIO	CE EQUIPMENT REMOTE REFRIGERATION DETAILS								
FS8.1 - FOODSERVIO	CE EQUIPMENT ANCHORAGE DETAILS								
FS8.2 - FOODSERVIO	CE EQUIPMENT ANCHORAGE DETAILS								
FS9.1 - FOODSERVIO	CE EQUIPMENT ELEVATIONS								
FS9.2 - FOODSERVIO	CE EQUIPMENT ELEVATIONS								
	FLOOR LEGEND								
SYMBOL/ ABBR.	DESCRIPTION								

2

	ABBR.	DESCRIPTION
	OFCI	OWNER FURNISH / CONTRACTOR INSTALLED
	OFOI	OWNER FURNISH / OWNER INSTALLED
	FSEC	FOODSERVICE EQUIPMENT CONTRACTOR
	VFVI	VENDER FURNISH / VENDER INSTALLED
	(E), EXIST	EXISTING FOODSERVICE EQUIPMENT
	(F)	FUTURE FOODSERVICE EQUIPMENT
		BUILDING WALLS (SEE ARCH. DWGS.)
		WALK-IN COOLER/ FREEZER INSULATED WALLS
		KEY / SHEET NOTE
		ITEM NUMBER SYMBOL (SEE EQUIPMENT SCHEDULE FOR DESCRIPTION)
_	KITCHEN	ROOM/ AREA NAME AND ROOM NUMBER
	C	COLUMN GRIDS WITH COLUMN INDICATORS
	48(#)18	STORAGE SHELVING SIZES (Width x Length)
	22 10 10 10 10 10 10 10 10 10 10	ACCESSIBLE CLEARANCES AND SYMBOL 30"x48" MIN CLEARANCE
		OUTLINE OF FOODSERVICE EQUIPMENT
		FOODSERVICE EQUIPMENT BELOW EQUIPMENT TOP
		FOODSERVICE EQUIPMENT ABOVE EQUIPMENT TOP
		MOBILE FOODSERVICE EQUIPMENT
	С. F.E."К"	F.E.C. (PROVIDE TYPE "K" AND 2A:10BC (MINIMUM)) FIRE EXTINGUISHER & CABINET REFER TO ARCH. DRAWINGS FOR FIRE EXTINGUISHER LOCATIONS
	FS.01	SHEET NUMBER
	W.H.	WATER HEATER (SEE PLUMBING ENG. DWG.)
	A FS0.1 B	ELEVATION INDICATOR SYMBOL







C.W							
с.т. н \//							
	WASTE (DIRECT CONNECTION)						
INDIR.	INDIRECT WASTE (AIR GAP)						
LAV.							
W.C.	WATER CLOSET						
F.S.	FLOOR SINK						
P.C.	PLUMBING CONTRACTOR						
G.C.	GENERAL CONTRACTOR						
K.E.C.	KITCHEN EQUIPMENT CONTRACTOR						
S.O.V.	SHUT OFF VALVE						
GPH	GALLONS PER HOUR						
PSI	POUNDS PER SQUARE INCH						
(F)	DEGREES FAHRENHEIT						
CONN.	CONNECT						
LOC.	LOCATE						
(P1)	PLUMBING SCHEDULE REFERENCE, REFER TO FS2.1 FOR SCHEDULE						
	SHEET AND/OR KEY NOTE						
$\triangleright \!$	COLD WATER INLET						
▶⊪●	HOT WATER INLET						
\succ	SHUT OFF VALVE (S.O.V.)						
o₽t	COLD WATER SHUT OFF VALVE						
ΙΨ	GAS SHUT-OFF VALVE						
	FLOOR SINK						
\bigcirc	FLOOR DRAIN						
	WASTE DOWN						
	GAS INLET						
	WALK-IN DRAIN LINE						
	I.D. DRAIN LINE						
Pl							
	SHEET NOTES						
1 CONDEN FURNISH CONTRA INSULAT	NSATE DRAINS FROM COILS TO BE HED AND INSTALLED BY PLUMBING ACTOR PROVIDE HEAT TRACE W/ HON FROM COIL TO DRAIN (FREEZER)						
2 MANUAL ACCESS LOCATIO SUPPLY CLASSR	GAS SHUT-OFF VALVE FOR RANGES WITH DOOR. REFER TO PLUMBING PLANS FOR N. PROVIDE ABILITY TO SHUT OFF GAS TO COOKING EQUIPMENT PILOTS WHEN OOM IS NOT IN USE						

NOTE FOR FOODSERVICE EQUIPMENT PLUMBING SCHEDULE AND DETAILS SEE SHEET FS2.2

| 1



С

D

E

F

G

						Ρ	PLU	MBIN	NG S	SCH	ED	JLE		
PLUM	ITEM			WA	TER		WAST				GAS		5514570	
NO.	NO.	DESCRIPTION	QTY.	CONN C.W.	. SIZE H.W.	HGT.@ WALL	DIR.	I. SIZE INDIR.	HGT.@ WALL	BTU/HR (x1,000)	CONN. SIZE	HGT. @ WALL	REMARKS	NOTE(S)
(P1)	-	FLOOR SINK	11EA.	-	-	-	-	-	0"	-	-	-	INSTALL FLUSH WITH FINISH FLOOR, PROVIDE GRATE COVER W/ DOME STRAINER, REFER TO PLUMBING PLANS FOR TYPE AND SIZE.	
(P1.1)	-	FLOOR SINK 1/2 SIZE	1EA.	-	-	-	-	-	0"	-	-	-	INSTALL FLUSH WITH FINISH FLOOR, PROVIDE GRATE COVER W/ DOME STRAINER, REFER TO PLUMBING PLANS FOR TYPE AND SIZE.	
(P2)	2	WALK-IN FREEZER CONN. DRAIN FROM COIL CONN. + 70"	1EA.	-	-	-	-	1"	-	-	-	-	1" INDIRECT DRAIN TO F.S. P1. SLOPE 1/2" PER FOOT. PROVIDE 1" MIN AIR GAP AT F.S. WITH 'P' TRAP.	
P3	3	WALK-IN REFRIGERATOR CONN. DRAIN FROM COIL CONN. + 70"	1EA.	-	-	-	-	1"	-	-	-	-	1" INDIRECT DRAIN TO F.S. P1. SLOPE 1/2" PER FOOT. PROVIDE 1" MIN AIR GAP AT F.S. WITH 'P' TRAP.	
P4	4,5	POTWASH 3 COMP SINK FAUCET W/ 3/4" INLET 8" CENTER	6EA.	3/4"	3/4"	16"	-	2"	-	-	-	-	PROVIDE S.O.V., RUN PIPING TO UNIT CONNECTION. PROVIDE 2" INDIRECT DRAIN TO F.S. P1. (CHROME OR PAINT SILVER)	
(P4.1)	5.2	PRE-RINSE FAUCET W/ 1/2" INLET 8" CENTER	1EA.	1/2"	1/2"	16"	-	2"	-	-	-	-	PROVIDE S.O.V., RUN PIPING TO UNIT CONNECTION. PROVIDE 2" INDIRECT DRAIN TO F.S. P1. (CHROME OR PAINT SILVER)	
P5	6	HIGH TEMP WAREWASHER W/ RAPID FILL	1EA.	3/4"	3/4"	12"	-	1 1/2"	-	-	-	-	PROVIDE S.O.V., RUN PIPING TO UNIT CONNECTION. PROVIDE 1 1/2" INDIRECT DRAIN TO F.S. P1. (HOT WATER MIN 110 DEGREE)	1234
P6	7,8	WALL MOUNTED HAND SINK FAUCET W/ 1/2" INLET 4" CENTER	4EA.	1/2"	1/2"	18"	1 1/2"	-	24"	-	-	-	PROVIDE S.O.V., RUN PIPING TO UNIT CONNECTION. RUN DIRECT WASTE WITH P-TRAP.	
(P7)	11.3	CHEFS/PREP SINK FAUCET W/ 1/2" INLET 8" CENTER	4EA.	1/2"	1/2"	16"	-	2"	-	-	-	-	PROVIDE S.O.V., RUN PIPING TO UNIT CONNECTION. PROVIDE 2" INDIRECT DRAIN TO F.S. P1. (CHROME OR PAINT SILVER)	
P8	12	ADA PREP SINK AT DEMO TABLE FAUCET W/ 1/2" INLET 8" CENTER	1EA.	1/2"	1/2"	16"	-	2"	-	-	-	-	PROVIDE S.O.V., RUN PIPING TO UNIT CONNECTION. PROVIDE 2" INDIRECT DRAIN TO F.S. P1. (CHROME OR PAINT SILVER)	
P9	13	GAS RANGE WITH OVEN BASE (OFCI)	9EA.	-	-	-	-	-	-	268	1"	18"	PROVIDE S.O.V., RUN PIPING TO UNIT CONNECTION. GAS PRESSURE REGULATOR AND MANIFOLD PROVIDED BY MFG.	5
P10	16	DOUBLE DECK COMBIOVEN (OFCI) WATER AND GAS CONNECTION	2EA.	3/4"	-	18"	-	2"	-	49	-	18" 36"	PROVIDE S.O.V., RUN PIPING TO UNIT CONNECTION. PROVIDE 2" INDIRECT DRAIN TO F.S. P1. (CHROME OR PAINT SILVER)	4567
(P11)	22	ICE MAKER (OFCI)	1EA.	3/8"	-	45"	-	1/2"	44"	-	-	-	PROVIDE S.O.V., RUN PIPING TO UNIT CONNECTION. PROVIDE 1/2" INDIRECT DRAIN TO F.S P1. (CHROME OR PAINT SILVER)	45
P12	22	ICE MAKER BIN (OFCI)	1EA.	-	-	-	-	3/4"	-	-	-	-	PROVIDE 3/4" INDIRECT DRAIN TO F.S P1. (CHROME OR PAINT SILVER)	5
PLUM	BING	KEY NOTE(S):								FIRE	SYST	EM NOTE	E:	
1	110 DE	GREE (F) MIN. WATER INLET HOT WATER SANITIZING	126 GPH							1. F	URNISH A	UTOMATIC	GAS SHUT-OFF VALVE INCLUDING ANY NECESSARY ACCESS PANEL. CONTRACTOR	
2	WATEF	R HAMMER ARRESTOR (MEETING ASSE-1010 STANDAR	RD) BY PL	LUMBER II	N SUPPLY	LINE.				5	HALL INS	TALL THE A	UTOMATIC SHUT-OFF VALVE IN AN ACCESSIBLE LOCATION. REFER TO PLUMBING VALVE LOCATION.	
3	WATEF THERM	R PRESSURE 15-25 PSI- IF HIGHER, FURNISH PRESSUF AL EXPANSION BYPASS BY PLUMBER.	RE REGU	LATOR VA	LVE WITH	I INTERNA	L							
4	VERIFY	WATER QUALITY MEETS MANUFACTURERS STANDA	RD MININ	/UM REQU	JIREMENT	rs								
5	CONTF	ACTOR TO VERIFY, COORDINATE AND PROVIDE UTIL	ITY REQU	UIREMENT	TS WITH C	WNER FUI	RNISHED	EQUIPME	NT					
6	CONTR	ACTOR TO PROVIDE WATER FILTER RECOMMENDED	BY MAN	UFACTUR	ER									
7	CONNE REQUIE	ECTION REQUIREMENTS ARE PER DECK (1@ 18" AFF A RED FROM WATER FILTER TO WATER CONNECTION C	AND 1@30 N EACH	6" AFF). W DECK.	ATER CO	NNECTION	l							
										I				

9 |

8

7

6

5

| 4

11

10

12

15

15

14

14

13



12

13

11

10

1.	PLUMB HOOK- ELLS, 1 STATE
2. 3.	ALL HO WALL ⁻ CENTE (VERIF
4.	SYMBO INDICA CENTE ARE TO LOCAT
5.	PLUMB FURNIS
6.	Floor Floor Flush Within
7.	PLUMB GRATE HAVE 1 PEDES
8.	PLUMB WALLS
9.	PLUMB WATEF

3

2

1

IBING CONTRACTOR TO VERIFY ALL INCOMING SERVICE AND MAKE FINAL K-UPS TO ALL APPLICABLE EQUIPMENT AND TO PROVIDE ALL PIPING, TEES, TRAPS, FILTERS, REGULATORS, FAUCETS, ETC., UNLESS SPECIFICALLY ED OTHERWISE.

ORIZONTAL DIMENSIONS SHOWN ON PLAN ARE FROM FINISHED FACE OF TO CENTERLINE OF STUB-OUT OR FROM CENTERLINE OF STUB-OUT TO ERLINE OF STUB-OUT, UNLESS NOTED OTHERWISE ON PLAN OR DETAILS. IFY ALL DIMENSIONS)

BOLS NOTED +24", +48", ETC., INDICATES TO STUB-OUT OF WALL AT HEIGHT ATED. HEIGHT IS GIVEN FROM FINISHED FLOOR (NOT FINISHED CURB) TO ERLINE OF STUB-OUT. SYMBOLS INDICATED "STUB-UP" AND "STUB-DOWN" TO EXTEND ABOVE FINISHED FLOOR AND/OR BELOW FINISHED CEILING AT TION SHOWN.

IBING STUBS AND CONNECTIONS SHOWN ON PLANS ARE FOR EQUIPMENT ISHED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR.

R SINKS SHOWN ARE TO BE SET FLUSHED WITH TOP OF FINISHED FLOOR. R SINKS INDICATED HALF-IN AND HALF-OUT OF EQUIPMENT TO BE SET HED WITH TOP OF FINISHED FLOOR. FLOOR SINKS LOCATED COMPLETELY IN EQUIPMENT AREA TO BE SET FLUSHED WITH TOP OF FINISHED FLOOR.

BING CONTRACTOR TO PROVIDE AND INSTALL REMOVABLE COVERS OR TES FOR ALL FULLY OR PARTIALLY EXPOSED FLOOR SINKS. GRATES TO 1/2" MAX OPENINGS WHERE DRAIN IS EXPOSED TO P.O.T OR TO STRIAN WAYS TYP.

IBING CONTRACTOR SHALL SEAL ALL PLUMBING PENETRATIONS THROUGH S, FLOORS, AND CEILINGS. WATERTIGHT AND VERMIN-PROOF.

BING CONTRACTOR TO PROVIDE AND INSTALL SHUT-OFF VALVES ON ALL ER AND GAS LINES, INCLUDING VALVES IN FIXTURES, LOCATED IN SUCH A WAY AS TO BE ACCESSIBLE WITHOUT USE OF TOOLS.

10. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL FOR ALL APPLICABLE EQUIPMENT, A TRAPPED FLOOR SINK WITH A LEGAL AIR GAP DRAIN LINE (INDIRECT WASTE) TO FLOOR SINK. INSULATE ALL DRAIN LINES FROM ICE BINS, ICE MACHINES, REFRIG. EQUIP., ETC..

NOTE
FOR FOODSERVICE EQUIPMENT PLUMBING PLAN SEE SHEET FS2.1

2

1

3





3 2 1

	ELECTRICAL PLAN LEGEND
SYMBOL	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
CLG.	CEILING
CONN.	CONNECT
E.C.	ELECTRICAL CONTRACTOR
FSEC	FOOD SERVICE EQUIPMENT CONTRACTOR
G.C.	GENERAL CONTRACTOR
P.R.P.	PRESSURE RELIEF PORT
S.F.	STAINLESS STEEL FABRICATOR
M.C.	MECHANICAL CONTRACTOR
LOC.	LOCATE
E1	ELECTRICAL SCHEDULE REFERENCE, REFER TO FS3.2 FOR SCHEDULE
	SHEET AND/OR KEY NOTE
\ominus	DUPLEX CONVENIENCE OUTLET 115V/1Ø UNLESS OTHERWISE NOTED
\ominus	SIMPLEX OUTLET SEE SCHEDULE FOR VOLTAGE
\odot	ROOM TEMPERTURE SENSOR
J	JUNCTION BOX
	DATA OUTLET
P	EMPTY OCTAGONAL BOX W/ CONDUIT TO +2" ABOVE CEILING BY E.C
	VAPOR-PROOF LIGHT FIXTURE AT EXHAUST HOOD (PROVIDED BY F.S.E.C. WIRED BY E.C.)
J	STUBBED-UP JUNCTION BOX
\bigcirc	STUBBED-UP CONVENIENCE OUTLET
\bigcirc	STUBBED-UP SIMPLEX OUTLET
	STUBBED-UP DATA OUTLET
\$	WALL MOUNTED SWITCH BY E.C
	VAPOR-PROOF LED FIXTURE PROVIDED BY F.S.E.C. INSTALLED BY E.C.)
	VAPOR-PROOF LIGHT FIXTURE AT WALK-IN PROVIDED BY F.S.E.C. INSTALLED BY E.C.)
ELECTRICAL NOTES	
1 ELECTF INSULA FS7.1	RIC HEAT TRACE SPIRALED TAPED AND TED CONNECTED AT COIL BY F.S.E.C REFER

NOTE
FOR FOODSERVICE EQUIPMENT ELECTRICAL SCHEDULE AND DETAILS SEE SHEET FS3.2



15 14 13 12	11 10	9	8	7 6 5 4
A				
B				
			ELECTRICAL SC	CHEDULE
	ELEC. ITEM		LOAD OUTLET	
	NO. NO. DESCRIPTION	QIY. VOLT. PH # 5 NEMA	WATT AMPS. DRAW HEIGHT	
C	E1 1 AIR CURTAIN, UNHEATED	1EA. 120 1 X	- 3.4 +86"	INSTALL DOOR LIMIT SWITCH FOR INSTANT ON/OFF SWITCH REFER TO C/FS8.2
	E2 2 WALK-IN FREEZER BOX	1EA. 120 1 X	- 5.0 +88"	250W DOOR HEATER, 20W P.R.P, 100W WINDOW HEATER EC. TO PROVIDE ALL INTERCONNECTIONS.
	E3 2 WALK-IN FREEZER COIL	1EA. 208 1 X	- 9.8 +74"	SEE DETAIL D/FS7.1 (2) 39W LED CLG_MT'D_LIGHT FIXTURES (1) 11 5W LED LIGHT FIXTURE AT DOOR
	E4 3 WALK-IN REFERIGERATOR BOX	1EA. 120 1 X	- 5.0 +88"	250W DOOR HEATER, 20W P.R.P, 100W WINDOW HEATER EC. TO PROVIDE ALL INTERCONNECTIONS. CONNECT TO UNIT ELECTRICAL CONNECTION AT COIL INSIDE WALK-IN FREEZER.
D	E5 3 WALK-IN REFERIGERATOR COIL F0 0 HIGH TEMP WARE WASHER	1EA. 120 1 X	- 4.0 +74"	
	E6 6 W/ SINGLE POINT CONNNECTION	1EA. 240 3 X	- 53.5 +18"	PROVIDE J-BOX IN WALL/ SINGLE POINT CONNECTION OPTION PROVIDE DUPLEX RECEPTACLE
	E7 10 UNDER COUNTER REFRIGERATOR (OFCI)	105A 115 1 - X 5-15P	- 2.5 +10	UNIT PROVIDED WITH CORD AND PLUG SET PROVIDE (10) DOUBLE FACED PEDISTAL DUPLEX RECEPTACLE MT'D. UNDER OVER SHELF
		1EA 115 1 - X 5-15P	- 15EA +34"	(COMPONENT HARDWARE NO. R58-1020)(R71-0721) (TOTAL OF 20 DCO OUTLETS) PROVIDE (1) DOUBLE FACED PEDISTAL DUPLEX RECEPTACLE MT'D. UNDER OVER SHELF
	(E10) 13 BANGE W/ OVEN BASE (OECI)	9EA 115 1 - X 5-15P	- 15EA +18"	(COMPONENT HARDWARE NO. R58-1020)(R71-0721) (TOTAL OF 2 DCO OUTLETS) PROVIDE DUPLEX RECEPTACLE FLUSH MOUNTED IN WALL/ COUNTER
		1EA 115 1 X	- 15EA +18"	UNIT PROVIDED WITH CORD AND PLUG SET PROVIDE RECEPTACLE FLUSH MOUNTED IN WALL/ COUNTER (VERIFY PLUG CONFIGURATION)
	(E12) 17 OVEN SMOKER (OFCI)	1EA 208 1 X	- 31 +18"	UNIT PROVIDED WITH CORD AND PLUG SET (1 PER DECK) PROVIDE J-BOX IN WALL (VERIFY EQUIPMENT CONFIGURATION)
	(E13) 18 ENVIROMENTAL CHAMBER (OFCI)	1EA. 115 1 - X 5-15P	- 15 +80"	PROVIDE DUPLEX RECEPTICAL FLUSH MOUNTED IN WALL (VERIFY EQUIPMENT CONFIG. / HEIGHT)
	(E14) 19 REACH-IN REFRIG (OFCI)	1EA. 115 1 - X 5-15P	- 7.2 +88"	PROVIDE DUPLEX RECEPTACLE IN WALL
F	(E15) 20 REACH-IN FREEZER (OFCI)	1EA. 115 1 - X 5-15P	- 8.5 +88"	PROVIDED WITH CORD AND PLUG SET
	(E16) 21 BLAST CHILLER (OFCI)	1EA. 208 1 X	- 31 +18"	PROVIDE J-BOX IN WALL (VERIFY EQUIPMENT CONFIGURATION)
	(E17) 22 ICE MAKER (OFCI)	1EA. 115 1 - X 5-15P	- 8.5 +60"	PROVIDE DUPLEX RECEPTACLE IN WALL UNIT PROVIDED WITH CORD AND PLUG SET
	(E18) 23 DRY AGER (OFCI)	1EA. 115 1 - X 5-15P	- 2 +48"	PROVIDE DUPLEX RECEPTACLE IN WALL UNIT PROVIDED WITH CORD AND PLUG SET
G	E19 27 WARMING CABINET	2EA. 115 1 X	- 15.5 +18"	PROVIDE J-BOX @ END OF COUNTER
	E20 28 REMOTE REFRIGERATION	1EA. 120 1 ⁻ X 5-15P	- 8.2 +89"	CONNECT TO DISCONNECT LOCATED ON REFRIGERATION RACK REFER TO FS7.1
	WALK-IN REFRIGERATION ELECTRICAL (MINIMU	M REQUIREMENTS UNLESS NOT	ED OTHER WISE)	ELECTRICAL KEYNOTES:
	1 THE ELECTRICAL CONTRACTOR SHALL INSTALL AND INTER FOOD SERVICE EQUIPMENT AND MAKE FINAL CONNECTION	WIRE LIGHT SWITCHES AND FIXTURES REG	EQUIRED FOR THE	E.C. TO INTERCONNECT FROM REMOTE REFRIGERATION SYSTEM ITEM NO. 28
	2 THE FOOD SERVICE EQUIPMENT CONTRACTOR SHALL INST HEATERS AND TEMPETURE ALARM SYSTEM. INTER WIRING	TALL THE PRESSURE RELIEF PORT, DOOR H	HEATERS, DRAIN LINE	DRAIN LINE HEATER CONNECTED TO COIL. F.S.E.C TO PROVIDE HEATER E.C TO WIRE TO COIL
н	3 THE ELECTRICAL CONTRACTOR SHALL INTER WIRE THE TH	ME CLOCK ON THE CONDENSING UNIT TO T	THE DEFROST RELAY	CONTRACTOR TO COORDINATE, VERIFY AND PROVIDE UNTILITY REQUIREMENTS WITH OWNER FURNISHED E
	4 THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONE	DUIT AND WIRING NECESSARY FOR A COMP	PLETE AND OPERABLE	INTERCONNECT OUTLETS TO J-BOX AT END OF COUNTER.
	PENETRATIONS AND ESCUTCHEON PLATES SHALL BE FUR FOOD SERVICE EQUIPMENT CONTRACTOR IS RESPONSIBL	NISHED AND INSTALLED BY THE FOOD SER' E FOR SEALING THE <u>INSIDE</u> OF CONDUITS V	ALK-IN ASSEMBLY. AVICE CONTRACTOR. WHICH PENETRATE	PROVIDE INTERLOCK WIRING FROM FIRE PROTECTION SYSTEMS TO ELEC. SHUNT TRIP BREAKERS ALL ELEC UNDER EXHAUST HOOD TO SHUT DOWN UPON FIRE SYSTEM ACTIVATION
	THE CEILING OR WALL.			
1				
J				
κ				
L				

14

12

13

11

10

12	11	10	9	8	7	6	5	4	3	2	1	

NOTE(S)
12
1
3
(4)
(3) (5)
$\begin{array}{c} 3 \\ \hline 3 \\ \hline \end{array}$
(3)
3
3
3
3
QUIPMENT
RICAL

NOTE
FOR FOODSERVICE EQUIPMENT ELECTRICAL PLAN SEE SHEET FS3.1

Α architects С TIMOTHY P. HUFF & ASSOCIATES, INC. Timothy P. Huff, AIA Architect 519 McHenry Ave., Modesto, CA 95354 Ph: (209) 571-2232 Fax: (209) 571-1936 D Copyright 2024 - Timothy P. Huff & Associates -----E F G Consultants н FOOD ESCALON HIGH SCHOOL SCIENCE CLASSROOM ESCALON UNIFIED SCHOOL DISTRICT FOODSERVICE EQUIPMENT ELECTRICAL SCHEDULE 1528 YOSEMITE AVE. ESCALON, CA 95320 ESCALON UNIFIED SCH Project Number 2321 7/5/24 Date Drawn by Author Checker Checked by FS3.2 Plot Date & Time 9/25/2024 9:48:51 AM



MECHANICAL SHEET NOTES
118 GA. STAINLESS STEEL WALL LINING PANELS (MINIMUM WIDTH TO BE 36") WITH 1" MINERAL WOOL BLANKET AND WIRE MESH BACKING OR CERAMIC FIBER BLANKET AND WIRE MESH BACKING SPACES OUT 1" ON
2 REFRIGERATION LINES STUB-DOWN FROM ABOVE, PENETRATE CEILING OF WALK-IN TO EVAP COIL SEE DETAIL D/FS8.2
3 REMOTE REFRIGERATION SYSTEM REFER TO A/FS7.1
4 REMOTE REFRIGERATION SYSTEM PLATFORM REFER B/FS7.1
5 REMOTE REFRIGERATION LINES WITH COVER, RUN UP EXTERIOR WALL REFER TO 3/FS4.1
6 REMOTE REFRIGERATION LINES RUN ALONG CONCRETE PAD, REFER TO 4/FS4.1
7 DEPRESS SLAB THIS AREA 4" BELOW FINISH FLOOR REFER TO DETAIL A/FS6.1
8 PROVIDE STAINLESS STEEL CLOUSER SKIRTING REFER TO DETAIL E/FS6.1

1

С

G

н

4

4

3

3

architects TIMOTHY P. HUFF & **ASSOCIATES, INC.** Timothy P. Huff, AIA Architect 519 McHenry Ave., Modesto, CA 95354 Ph: (209) 571-2232 Fax: (209) 571-1936 Copyright 2024 - Timothy P. Huff & Associates Consultants 0 Ο N HIGH SCHOOL CLASSROOM FOODSERVICE EQUIF MECHANICAL PLAN 1528 YOSEMITE AVE. ESCALON, CA 95320 ESCALON UNIFIED SC SCALON SCIENCE (ШŎ 2321 Project Number 7/5/24 Date Author Drawn by Checker Checked by **FS4.1** Plot Date & Time 9/25/2024 9:48:51 AM

FOODSERVICE MECHANICAL LEGEND		
ABREV./SYMB.	DESCRIPTION	
F.S.E.C	FOODSERVICE EQUIPMENT CONTRACTOR	
M.C.	MECHANICAL CONTRACTOR	
S.F.	STAINLESS STEEL FABRICATOR	
G.C.	GENERAL CONTRACTOR	
E.C.	ELECTRICAL CONTRACTOR	
CFM	CUBIC FEET PER MINUTE	
SP	STATIC PRESSURE	
	CONCRETE CURB	
	CONCRETE DEPRESSION	
	FOAMED-IN WALL BACKING BY WALK-IN MANUFACTURER	
	INSULATED S/S WALL LINING 1/FS4.1 FOR LOC.	
WB# ITEM	WALL BACKING NO. REFER 1/FS4.2 EQUIPMENT ITEM NO.	
======	WALL BACKING	
	REMOTE COMPRESSOR (ON REFRIGERATION RACK)	
$\langle A \rangle$	REFRIGERATION SYSTEM (SEE SCHEDULE ON SHEETS FS7.1)	
	REFRIGERATION LINE (RUN FROM REFRIGERATION RACK)	
	REMOTE REFRIGERATED BASE AND/OR EQUIPMENT	
	S/S WALL SPLASH REFER TO J/FS8.1	

2







 10
 9
 8
 7
 6
 5
 4
 3
 2

| 1





E	QUIPMENT SCHEDULE
ITEM NO	EQUIPMENT CATEGORY
1	AIR CURTAIN, UNHEATED
4	SINK, SCULLERY, 3 COMPARTMENTS
5	THREE COMPARTMENT SINK
5.1	CLEAN DISHTABLE
5.2	SPRAY RINSE WITH FAUCET
6	WAREWASHER, DOOR TYPE, HIGH TEMP
9	MOBILE WORKTABLE WITH UTENSIL DRAWER
10	REFRIGERATOR, UNDERCOUNTER
11	PREP COUNTER
11.1	TABLE MOUNTED OVERSHELF
11.2	THREE STACK UTENSIL DRAWER UNIT
11.3	PREP SINK
12	DEMO TABLE ADA SINK
13	RANGE, RESTAURANT, GAS
14	WORK COUNTER
15	S/S WALL CAP / INSULATED WALL LINING
16	OVEN-STEAMER, COMBINATION, ELECTRIC
17	OVEN, COOK/HOLD, SMOKE/HOLD
18	ENVIRONMENTAL CHAMBER
19	REACH-IN REFRIGERATOR
21	BLAST CHILLER / SHOCK FREEZER, REACH-IN
22	ICE MAKER W/ BIN
23	DRY AGER

| 1

	15 14 13 12	11 10 9 8	7 6 5
		MEP Component Anchorage Note All mechanical, plumbing, and electrical components shall be anchored and installed per the details on the	MECHANICAL GENERAL NOTES
		DSA approved construction documents. The following components shall be anchored or braced to meet the force and displacement requirements prescribed in the 2022 CBC, Sections 1617A.1.18 through 1617.A.1.26 and ASCE 7-16 Chapter 13, 26 and 30.	 SCOPE: A NEW COMPLETE HVAC SYSTEM, INCLUDING MECHANICAL EQUIPMENT & DUCTWORK AS GENERALLY DELINEATED ON THE DRAWINGS. EQUIPMENT SHALL COMPLY WITH TITLE 24 CALIFORNIA CODE OF REGULATIONS. CODES:
		 All permanent equipment and components. Temporary, movable or mobile equipment that is permanently attached (e.g. hard wired) to the building utility services such as electricity, gas or water. "Permanently attached" shall include all electrical utility services except plugs for 110/120 yelt receptables having a flexible cable. 	ALL WORK MATERIAL AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED IN COMPLIANCE WITH THE FOLLOWING CODES AS ADOPTED AND AMENDED BY THE INSPECTING AUTHORITY HAVING JURISDICTION. NOTHING IN THESE PLANS SHALL BE CONSTRUED TO PERMIT THE INSTALLATION OF WORK, MATERIAL OR EQUIPMENT NOT CONFORMING TO THESE OR OTHER CODES APPLICABLE TO THIS PROJECT:
		 3. temporary, movable or mobile equipment which is heavier than 400 pounds or has a center of mass located 4 feet or more above the adjacent floor or roof level that directly support the component is required to be restrained in a manner approved by DSA. 	 A. 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC) PART 1, TITLE 24, CALIFORNIA CODE O REGULATIONS (CCR) B. 2022 CALIFORNIA BUILDING CODE (CBC) PART 2, TITLE 24, CCR BASED ON THE 2021 INTERNATIONAL BUILDING CODE (IBC)
		The following mechanical and electrical components shall be positively attached to the structure, but need not demonstrate design compliance with the references noted above. These components shall have flexible connections provided between the component and associated ductwork, piping, and conduit. Flexible connections must allow movement in both transverse and longitudinal directions:	 C. 2022 CALIFORNIA ELECTRICAL CODE (CEC) PART 3, TITLE 24, CCR BASED ON THE 2020 NATIONAL ELECTRICAL CODE (NEC) D. 2022 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24, CCR BASED ON THE 202 UNIFORM MECHANICAL CODE (UMC) E. 2022 CALIFORNIA PLUMBING CODE (CPC) PART 5, TITLE 24, CCR BASED ON THE 2021 UNIFORM PLUMBING CODE (UPC) F. 2022 CALIFORNIA ENERGY CODE (CEC) PART 6, TITLE 24 CCR.
		 A. Components weighing less than 400 pounds and have a center of mass located 4 leet of less above the adjacent floor or roof level that directly support the component. B. Components weighing less than 20 pounds, or in the case of distributed systems, less than 5 pounds per foot, which are suspended from a roof or floor or hung from a wall. 	 G. 2022 CALIFORNIA FIRE CODE (CFC) PART 9, TITLE 24, CCR BASED ON THE 2021 INTERNATIONAL FIRE CODE (IFC) H. 2022 CALIFORNIA GREEN BUILDING STANDARDS (CGBSC) PART 11, TITLE 24, CCR 3. WORKMANSHIP:
-		The anchorage of all mechanical, electrical and plumbing components shall be subject to the approval of the design professional in general responsible charge or structural engineer delegated responsibility and acceptance by DSA. The project inspector will verify that all components and equipment have been anchored in accordance with above requirements.	 ALL WORKMANSHIP SHALL BE DONE IN A NEAT AND ORDERLY MANNER ACCORDING TO THE BEST TRADE PRACTICE BY THOSE SKILLED IN THE PARTICULAR TRADE. EQUIPMENT, DUCTS, GRILLES, ETC., SHALL BE PLUMB, LEVEL, SQUARE OR CENTERED ETC., TO GIVE A NEAT AND PLEASING APPEARANCE. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS. AVAILABLE POWER: THE MECHANICAL CONTRACTOR SHALL CONFIRM ALL SYSTEMS VOLTAGES BEFORE BIDDING O ORDERING AND OLIVIER AND OLIVIER AND PLOCE A DESCRIPTION OF DEPENDENT.
		Piping, Ductwork, and Electrical Distribution System Bracing Note Piping, ductwork, and electrical distribution systems shall be braced to comply wth the forces and displacements prescribed in ASCE 7-16 Section 13.3 as defined in ASCE 7-16 Section 13.6.5, 13.6.6, 13.6.7, 13.6.8 and 2022 CBC, Sections 1617A.1.24, 1617A.1.25 and 1617A.1.26.	 5. AIR BALANCE: THE AIR DISTRIBUTION SYSTEM SHALL BE BALANCED TO DELIVER SPECIFIED AIR QUANTITIES FOLLOWING THE PROCEDURES OF THE LATEST EDITION OF THE SMACNA PUBLICATION PROCEDURAL STANDARDS FOR TESTING ADJUSTING & BALANCING OF ENVIRONMENTAL SYSTEMS. CONTRACTOR SHALL PROVIDE ACCESSIBLE & ADJUSTABLE VOLUME DAMPERS AS REQUIRED TO BALANCE THE SYSTEMS AND MAINTAIN A NOISE CRITERIA LEVEL NOT TO EXCEEI 30
		The method of showing bracing and attachments to the structure for the identified distribution system are as noted below. When bracing and attachments are based on a preapproved installation guide (e.g., HCAi OPM for 2013 CBC or later), copies of the bracing system installation guide or manual shall be available on the jobsite prior to the start of and during the hanging and bracing of the distribution systems. The Structural Engineer of Record shall verify the adequacy of the structure to support the hanger and brace loads.	 JU. THE AIR BALANCE TECHNICIAN SHALL BE RESPONSIBLE TO MODIFY ALL SUPPLY, RETURN, AND EXHAUST FAN SHEAVES & VFD OUTPUT FREQUENCY LIMITS AS APPLICABLE SUCH THAT THE DESIGN AIR FLOWS ARE MET. ALL SUPPLY FANS CONTROLLED FOR FILTER LOADING SHALL SIMILARLY BE MODIFIED TO ENSURE THE FULL RANGE OF MOTOR POWER IS AVAILABLE TO THE CONTROL SYSTEM. RATED MAXIMUM FAN SPEED SHALL NOT BE EXCEEDED. 6. PERMITS AND UTILITY SERVICE FEES: CONTRACTOR TO ARRANGE AND PAY FOR ALL PERMITS. INSPECTIONS AND SERVICE CHARGES
_		Mechanical Piping (MP), Mechanical Ducts (MD), Plumbing Piping (PP), Electrical Distribution Systems (E): MP MD PP E - Option 1: Detailed on the approved drawings with project specific notes and details.	 REQUIRED IN THE INSTALLATION OF THE WORK. 7. EXISTING INFORMATION: LOCATION, SIZE, MATERIAL, ETC. OF EXISTING SYSTEMS, ETC., IS PROVIDED FROM SOURCES DEEMED TO BE RELIABLE BUT IS NOT GUARANTEED. CONTRACTOR SHALL FIELD VERIFY ALL DATA BEFORE PROCEEDING WITH ANY WORK. NO EXTRA COST WILL BE ALLOWED FOR CONDITIONS NOT AS SHOWN.
		MP MD PP E - Option 2: Shall comply with the applicable HCAi Pre-Approval (OPM #) #	 ACCURACY: PLANS ARE DIAGRAMMATIC. CONTRACTOR SHALL CONFIRM ALL DIMENSIONS AND LOCATIONS OF AC UNITS, EXHAUST FANS, WALLS, PARTITIONS ETC., AGAINST ARCHITECTURAL AND STRUCTURAL DESIGN PLANS FOR LOCATION CONSISTENCY & ACCURACY PRIOR TO COMMENCING WITH ANY WORK. PAINTING:
_	(E) PACKAC	GED AC UNIT SCHEDULE	 PAINT ALL VISIBLE INTERIOR PORTIONS OF TERMINAL DEVICES & CANS WITH FLAT BLACK ENAMEL PAINT. 10. SIZES: DUCTWORK SIZES ON PLANS ARE INSIDE NET FREE AREA. 11. MECHANICAL EQUIPMENT:
	MARK NO. MANUFACTURER & MODEL # DESCRIPTION NOM. TONS CFM CFM OSA CFM COC TOTA	DLING MBH HEATING MBH E.S.P. MOTOR ELECTRICAL OP. WT. AFUE EER/SEER NOTES AL SENS INPUT OUTPUT IN W.G. B.H.P. VOLTS PH HZ MCA MOCP LBS. % EER/SEER NOTES	ALL EQUIPMENT SHALL BE LISTED BY AN APPROVED TESTING AGENCY AND INSTALLED IN ACCORDANCE WITH ITS INSTALLATION INSTRUCTIONS AND LISTING.
	I(E) AC-1 TRANE #YSC120H3 I(E) PACKAGE UNIT 10.0 4,000 920 113. NOTES: 1. PROVIDE WITH MICROMETL #0543-008A-00010, 8" TALL UNIT CURB. 2. PROVIDE WITH MERV 13 RATED FILTERS. 3. THERMOSTAT:7-DAY PROGRAMABLE OCCUPANT CONTROLLED SMART THERMOSTAT (OCST)	0 79.1 150 120 0.7 1.47 208 3 60 49 60 1259 80.0 11.20/12.90 1, 2, 3, 4, 5	DUCTWORK NOTES
-	T-STAT SHALL BE ACCESSIBLE & MOUNT TOP @ 48" A.F.F. 4. AUTOMATIC SMOKE DETECTOR SHUT-OFF IS REQUIRED PER CMC SECTION 609.1. 5. MOUNT PER DETAIL 4/M3.1		 ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE APPLICABLE SMACNA STANDARDS AND FABRICATION GUIDELINES. ALL METAL DUCTS SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL PER CALIFORNIA MECHANICAL CODE STANDARDS, UNLESS NOTED OTHERWISE.
	AIR DISTRIBU	JTION DEVICE SCHEDULE	 DUCT PRESSURE CLASS SHALL BE MINIMUM 2" W.C. AND SHALL EXCEED THE FAN SYSTEM DESIGN EXTERNAL STATIC PRESSURE WHERE APPLICABLE. PROVIDE TURNING VANES ON ALL SQUARE THROAT ELBOWS. RADIUS ELBOWS SHALL HAVE A THROAT RADIUS FOLIAL TO OR GREATER THAN THE DUCT WIDTH. (USE SMACNA
	MK. NO. MANUFACTURER FRAME BLOW OBD REMARK	IS IN INCIDENTIAL INCIDENTIALI ILIALI INCIDENTIALI INCIDENTIALI INCIDENTIALI INCIDENTIALI INCIDALI INCIDENTIALI INCIDENTIALI INCIDALI INCID	 ELBOW TYPES RE 1 OR RE 2 ONLY, UNLESS NOTED OTHERWISE.) 4. DIVIDED FLOW BRANCHES SHALL SPLIT WITH ELBOWS PER NOTE 3. (USE SMACNA TYPE 1, 2. OR 4A/4B UNLESS NOTED OTHERWISE.)
_	CS-1NAILOR #7500-LLAY-INSEE PLANNOWHITE FCS-2NAILOR #7500-SSURFACESEE PLANNOWHITE F	INISH, MODULAR CORE	 5. BRANCH FITTING TAKEOFFS SHALL BE WYES, 45° LEAD IN, OR CONICAL/BELLMOUTH TAPS UNLESS NOTED OTHERWISE. DO NOT USE STRAIGHT TAPS. 6. ALL SUPPLY AND RETURN DUCT SHALL BE INSULATED PER T24 THICKNESS AND R-VALUE
	CR-1NAILOR #4260-LLAY-INNOWHITE FCR-2NAILOR #4260-SSURFACENOWHITE F	INISH, ROUND NECK INISH, ROUND NECK	REQUIREMENTS (CEC 120.4(a)): 6.1. SUPPLY DUCT: MIN. R-4.2, BUT R-8 WHERE EXPOSED TO EXTERIOR OR UNCONDITIONED SPACE.
			 6.2. RETURN DUCT: MIN. R-4.2, BUT R-8 WHERE EXPOSED TO EXTERIOR OR UNCONDITIONED SPACE. 6.3. EXHAUST DUCT: NO INSULATION EXCEPT AS SHOWN.
	MARK. NO.	FAN & MAKE-UP AIR SCHEDULE	 EXTERNAL INSULATION EXPOSED TO WEATHER SHALL BE WEATHERPROOFED AND SHALL BE PAINTED TO MATCH ADJACENT SURFACE. PROVIDE DUCT LEAKAGE TEST PER CMC 603.9.2.
-	H-1 H-2 NOTE. REFER TO SHEET M4.0 FOR HOOD EQUIPMENT SCHEDULES.		
	H-3 H-4 H-5		DEMOLITION NOTES
	H-6 H-7 KEF-1 KEF-2 NOTE. REFER TO SHEET M4.7 FOR KITCHEN EXHAUST FAN EQUIPMENT SCHEDULES.		1. THE CONTRACTOR SHALL VISIT THE PROJECT SITE AND MAKE HIMSELF AWARE OF ALL EXISTING CONDITIONS WHICH CAN BE OBSERVED. ADDITIONAL COSTS WILL NOT BE ALLOWED FOR CORRECTION OF ITEMS WHICH CAN BE OBSERVED AND THEREFORE SHOULD BE INCLUDED IN HIS BID. THE CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED TO
_	KEF-3 KEF-4 KEF-5 KEF-6 KEF-7		 THE NOTES AND DRAWINGS CONTAINED ON THIS SHEET DESCRIBE IN A GENERAL SENSE THE EXTENT OF ITEMS TO BE MODIFIED, REMOVED OR INSTALLED. THIS DESCRIPTION DOES NOT NECESSARILY INCLUDE A DESCRIPTION OF ITEMS TO BE REPAIRED OR REFINISHED AS A RESULT OF THIS REMOVAL OR MODIFICATION. IN THE ABSENCE OF ANY SPECIFIC DIRECTION, THE CONTRACTOR SHALL REPAIR THE AFFECTED AREA(S) TO A CONDITION EQUAL TO THE
	MUA-1 MUA-2 MUA-3 NOTE. REFER TO SHEET M4.7 FOR MAKE-UP AIR UNIT EQUIPMENT SCHEDULES.		 ADJACENT AREA(S) AND/OR SIMILAR EXISTING CONDITIONS ON PROJECT. THE CONTRACTOR SHALL PROVIDE DUST AND DEBRIS CONTROL THROUGHOUT THE PROJECT'S CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE BUILDING OWNER TO PROVIDE THE LEAST INTERRUPTION OF EXISTING BUILDING OPERATIONS. COORDINATE WITH THE OWNER THE LOCATION OF ON-SITE STORAGE AND STAGING. NOT ALL REQUIRED PATCHING AND/OR REPAIRS ARE SPECIFICALLY NOTED ON THIS PLAN. COORDINATE DEMOLITION WORK WITH NEW PROPOSED FLOOR PLANS. CONTRACTOR SHALL DISCARD AND DISPOSE OF ALL DEMOLISHED ITEMS. EXISTING PIPING AND ELECTRICAL OR COMMUNICATION CONDUITS WHICH INTERFERE WITH THE
	15 14 12 12		WORK SHALL BE RE-ROUTED BY THE CONTRACTOR.

M3.0 THRU M3.1

MECHANICAL - DETAILS

M4.0 THRU M4.25 MECHANICAL - HOOD INFORMATION

T24.0 THRU T24.X ENERGY COMPLIANCE

15 14	13	12 11 10 9		8 7 6 5		4
				MECHANICAL GREEN BUILDING CODE NOTES		
	REQUIRED	SECTION 5.410 BUILDING MAINTENANCE AND OPERATIONS 5.410.1 RECYCLING BY OCCUPANTS. PROVIDE READILY ACCESSIBLE AREAS THAT SERVE THE ENTIRE BUILDING AND ARE IDENTIFIED FOR THE DEPOSITING, STORAGE AND COLLECTION OF NON-HAZARDOUS MATERIALS FOR RECYCLING, INCLUDING (AT A MINIMUM) PAPER, CORRUGATED CARDBOARD, GLASS, DIASTICS OPERATION AND METAL & OP MEETAL A MINIMUM PAPER, CONSTED LOCAL DECOMPONENTIALS	REQUIRED	5.410.2.5 DOCUMENTATION AND TRAINING. [N] A SYSTEMS MANUAL AND SYSTEMS OPERATIONS TRAINING ARE REQUIRED, INCLUDING OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) REQUIREMENTS IN CALIFORNIA CODE OF REGULATIONS (CCR), TITLE 8, SECTION 5142, AND OTHER RELATED REGULATIONS.	REQUIRED	SECTION ELECTRIC V ELECTRIC V
		PLASTICS, ORGANIC WASTE, AND METALS OR MEETA LAWFULLY ENACTED LOCAL RECYCLING ORDINANCE, IF MORE RESTRICTIVE. EXCEPTION: RURAL JURISDICTIONS THAT MEET AND APPLY FOR THE EXEMPTION IN PUBLIC RESOURCES CODE 42649.82 (A)(2)(A) ET SEQ. SHALL ALSO BE EXEMPT FROM THE ORGANIC WASTE PORTION OF THIS SECTION.		5.410.2.5.1 SYSTEMS MANUAL. [N] DOCUMENTATION OF THE OPERATIONAL ASPECTS OF THE BUILDING SHALL BE COMPLETED WITHIN THE SYSTEMS MANUAL AND DELIVERED TO THE BUILDING OWNER OR REPRESENTATIVE. THE SYSTEMS MANUAL SHALL INCLUDE THE FOLLOWING: 1. SITE INFORMATION, INCLUDING FACILITY DESCRIPTION, HISTORY AND CURRENT REQUIREMENTS.		ELECTRIC VE GROUNDED, ATTACHMEN SPECIFICALI THE ELECTF
		5.410.1.1 ADDITIONS. ALL ADDITIONS CONDUCTED WITHIN A 12-MONTH PERIOD UNDER SINGLE OR MULTIPLE PERMITS, RESULTING IN AN INCREASE OF 30% OR MORE IN FLOOR AREA, SHALL PROVIDE RECYCLING AREAS ON SITE.		 SITE CONTACT INFORMATION. BASIC OPERATIONS AND MAINTENANCE, INCLUDING GENERAL SITE OPERATING PROCEDURES, BASIC TROUBLESHOOTING, RECOMMENDED MAINTENANCE REQUIREMENTS, SITE EVENTS LOG. MAJOR SYSTEMS. SITE FOULIPMENT INVENTORY AND MAINTENANCE NOTES 		ENERGY EQ SAME ENER INTEREST. EXPRESSW/
		INCREASE IN THE TENANT SPACE FLOOR AREA. 5.410.1.2 SAMPLE ORDINANCE. SPACE ALLOCATION FOR RECYCLING AREAS SHALL COMPLY WITH CHAPTER 18, PART 3, DIVISION 30 OF THE PUBLIC RESOURCES CODE. CHAPTER 18 IS KNOWN AS THE CALIFORNIA SOLID WASTE REUSE AND RECYCLING ACCESS ACT OF 1991 (ACT).		 6. A COPY OF VERIFICATIONS REQUIRED BY THE ENFORCING AGENCY OR THIS CODE. 7. OTHER RESOURCES AND DOCUMENTATION, IF APPLICABLE. 5.410.2.5.2 SYSTEMS OPERATIONS TRAINING. [N] A PROGRAM FOR TRAINING OF THE APPROPRIATE MAINTENANCE STAFF FOR EACH EQUIPMENT TYPE AND/OR SYSTEM SHALL BE DEVELOPED AND 		FREEWAY. A SEPARATIO
		NOTE: A SAMPLE ORDINANCE FOR USE BY LOCAL AGENCIES MAY BE FOUND IN APPENDIX A OF THE DOCUMENT AT THE CALRECYCLE'S WEB SITE. 5.410.2 COMMISSIONING. [N] FOR NEW BUILDINGS 10,000 SQUARE FEET AND OVER, BUILDING COMMISSIONING SHALL BE INCLUDED IN THE DESIGN AND CONSTRUCTION PROCESSES OF THE		 DOCUMENTED IN THE COMMISSIONING REPORT AND SHALL INCLUDE THE FOLLOWING: 1. SYSTEM/EQUIPMENT OVERVIEW (WHAT IT IS, WHAT IT DOES AND WITH WHAT OTHER SYSTEMS AND/OR EQUIPMENT IT INTERFACES). 2. REVIEW AND DEMONSTRATION OF SERVICING/PREVENTIVE MAINTENANCE. 3. REVIEW OF THE INFORMATION IN THE SYSTEMS MANUAL. 4. REVIEW OF THE RECORD DRAWINGS ON THE SYSTEM/EQUIPMENT. 		GIVEN GREE PERIOD OF GLOBAL WA INTERGOVE (SAR) (IPCC
		BUILDING PROJECT TO VERIFY THAT THE BUILDING SYSTEMS AND COMPONENTS MEET THE OWNER'S OR OWNER REPRESENTATIVE'S PROJECT REQUIREMENTS. COMMISSIONING SHALL BE PERFORMED IN ACCORDANCE WITH THIS SECTION BY TRAINED PERSONNEL WITH EXPERIENCE ON PROJECTS OF COMPARABLE SIZE AND COMPLEXITY. ALL OCCUPANCIES OTHER THAN I-OCCUPANCIES AND L-OCCUPANCIES SHALL COMPLY WITH THE CALIFORNIA ENERGY CODE AS PRESCRIBED IN CALIFORNIA ENERGY CODE SECTION 120.8. FOR LOCCUPANCIES THAT ARE NOT REGULATED BY OSHED OR FOR	V	5.410.2.6 COMMISSIONING REPORT. [N] A REPORT OF COMMISSIONING PROCESS ACTIVITIES UNDERTAKEN THROUGH THE DESIGN AND CONSTRUCTION PHASES OF THE BUILDING PROJECT SHALL BE COMPLETED AND PROVIDED TO THE OWNER OR REPRESENTATIVE. 5.410.4 TESTING AND ADJUSTING. TESTING AND ADJUSTING OF SYSTEMS SHALL BE REQUIRED FOR		ARE FOUND "100 YR" OF HIGH-GWP F CHLOROFLU PERFLUOR
		I-OCCUPANCIES AND L-OCCUPANCIES THAT ARE NOT REGULATED BY THE CALIFORNIA ENERGY CODE SECTION 100.0 SCOPE, ALL REQUIREMENTS IN SECTIONS 5.410.2 THROUGH 5.410.2.6 SHALL APPLY. COMMISSIONING REQUIREMENTS SHALL INCLUDE:	X	BUILDINGS LESS THAN 10,000 SQUARE FEET OR NEW SYSTEMS TO SERVE AN ADDITION OR ALTERATION SUBJECT TO SECTION 303.1. 5.410.4.2 SYSTEMS. DEVELOP A WRITTEN PLAN OF PROCEDURES FOR TESTING AND ADJUSTING SYSTEMS. SYSTEMS TO BE INCLUDED FOR TESTING AND ADJUSTING SHALL INCLUDE AS		GREATER T OF FEDERAL LONG RADIU
		 OWNER'S OR OWNER REPRESENTATIVE'S PROJECT REQUIREMENTS. BASIS OF DESIGN. COMMISSIONING MEASURES SHOWN IN THE CONSTRUCTION DOCUMENTS. COMMISSIONING PLAN. FUNCTIONAL PERFORMANCE TESTING. DOCUMENTATION AND TRAINING. 		 RENEWABLE ENERGY SYSTEMS. LANDSCAPE IRRIGATION SYSTEMS. WATER REUSE SYSTEMS. 		Low-Gwp R Value Less The Code C Merv. Filt
	X	 7. COMMISSIONING REPORT. EXCEPTIONS: 1. UNCONDITIONED WAREHOUSES OF ANY SIZE. 2. AREAS LESS THAN 10 000 SQUARE FEET LISED FOR OFFICES OR OTHER CONDITIONED. 	X	5.410.4.3 PROCEDURES. PERFORM TESTING AND ADJUSTING PROCEDURES IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND APPLICABLE STANDARDS ON EACH SYSTEM. 5.410.4.3.1 HVAC BALANCING. IN ADDITION TO TESTING AND ADJUSTING, BEFORE A NEW SPACE-CONDITIONING SYSTEM SERVING A BUILDING OR SPACE IS OPERATED FOR NORMAL USE, THE SYSTEM SHALL BE BALANCED IN ACCORDANCE WITH THE PROCEDURES DEFINED BY		MAXIMUM IN ADDING A C COMPOUND
		ACCESSORY SPACES WITHIN UNCONDITIONED WAREHOUSES. 3. TENANT IMPROVEMENTS LESS THAN 10,000 SQUARE FEET AS DESCRIBED IN SECTION 303.1.1. 4. OPEN PARKING GARAGES OF ANY SIZE, OR OPEN PARKING GARAGE AREAS, OF ANY SIZE, WITHIN A STRUCTURE.		THE TESTING ADJUSTING AND BALANCING BUREAU NATIONAL STANDARDS; THE NATIONAL ENVIRONMENTAL BALANCING BUREAU PROCEDURAL STANDARDS; ASSOCIATED AIR BALANCE COUNCIL NATIONAL STANDARDS OR AS APPROVED BY THE ENFORCING AGENCY. 5.410.4.4 REPORTING. AFTER COMPLETION OF TESTING, ADJUSTING AND BALANCING, PROVIDE A FINAL REPORT OF TESTING SIGNED BY THE INDIVIDUAL RESPONSIBLE FOR		PRODUCT S HUNDREDTI PACKAGING PSIG. POUN
		 NOTE: FOR THE PURPOSES OF THIS SECTION, UNCONDITIONED SHALL MEAN A BUILDING, AREA, OR ROOM WHICH DOES NOT PROVIDE HEATING AND OR AIR CONDITIONING. INFORMATIONAL NOTES: 1. IAS AC 476 IS AN ACCREDITATION CRITERIA FOR ORGANIZATIONS PROVIDING TRAINING 	X	PERFORMING THESE SERVICES. 5.410.4.5 OPERATION AND MAINTENANCE (O & M) MANUAL. PROVIDE THE BUILDING OWNER OR REPRESENTATIVE WITH DETAILED OPERATING AND MAINTENANCE INSTRUCTIONS AND COPIES OF GUARANTIES/WARRANTIES FOR EACH SYSTEM. O & M INSTRUCTIONS SHALL BE CONSISTENT WITH		REACTIVE C CONTRIBUT SCHRADER
		AND/OR CERTIFICATION OF COMMISSIONING PERSONNEL. AC 476 IS AVAILABLE TO THE AUTHORITY HAVING JURISDICTION AS A REFERENCE FOR QUALIFICATIONS OF COMMISSIONING PERSONNEL. AC 476 DES NOT CERTIFY INDIVIDUALS TO CONDUCT FUNCTIONAL PERFORMANCE TESTS OR TO ADJUST AND BALANCE SYSTEMS. 2. FUNCTIONAL PERFORMANCE TESTING FOR HEATING, VENTILATION, AIR CONDITIONING	X	OSHA REQUIREMENTS IN CCR, TITLE 8, SECTION 5142, AND OTHER RELATED REGULATIONS. 5.410.4.5.1 INSPECTIONS AND REPORTS. INCLUDE A COPY OF ALL INSPECTION VERIFICATIONS AND REPORTS REQUIRED BY THE ENFORCING AGENCY.		SHORT RAE ALLOW A C SUPERMAR FACILITY W REFRIGERA
		SYSTEMS AND LIGHTING CONTROLS MUST BE PERFORMED IN COMPLIANCE WITH THE CALIFORNIA ENERGY CODE. 5.410.2.1 OWNER'S OR OWNER REPRESENTATIVE'S PROJECT REQUIREMENTS (OPR). [N] THE EXPECTATIONS AND REQUIREMENTS OF THE BUILDING APPROPRIATE TO ITS PHASE SHALL BE DOCUMENTED RECORD THE DESIGN PHASE OF THE REQUECT RECINS. THIS DOCUMENTATION		DIVISION 5.5 ENVIRONMENTAL QUALITY		COMPRESS
		 BOCOMENTED BEFORE THE DESIGN PHASE OF THE PROJECT BEGINS. THIS DOCOMENTATION SHALL INCLUDE THE FOLLOWING: 1. ENVIRONMENTAL AND SUSTAINABILITY GOALS. 2. ENERGY EFFICIENCY GOALS. 3. INDOOR ENVIRONMENTAL QUALITY REQUIREMENTS. 4. PROJECT PROGRAM, INCLUDING FACILITY FUNCTIONS AND HOURS OF OPERATION, AND NEED FOR AFTER HOURS OPERATION. 		SECTION 5.501 GENERAL 5.501.1 SCOPE. THE PROVISIONS OF THIS CHAPTER SHALL OUTLINE MEANS OF REDUCING THE QUANTITY OF AIR CONTAMINANTS THAT ARE ODOROUS, IRRITATING, AND/OR HARMFUL TO THE COMFORT AND WELL-BEING OF A BUILDING'S INSTALLERS, OCCUPANTS AND NEIGHBORS. SECTION 5.502 DEFINITIONS		NOTE: WHE ETC., THE V THE SPECIF
		 EQUIPMENT AND SYSTEMS EXPECTATIONS. BUILDING OCCUPANT AND OPERATION AND MAINTENANCE (O&M) PERSONNEL EXPECTATIONS. 5.410.2.2 BASIS OF DESIGN (BOD). [N] A WRITTEN EXPLANATION OF HOW THE DESIGN OF THE BUILDING SYSTEMS MEETS THE OPR SHALL BE COMPLETED AT THE DESIGN PHASE OF THE 		5.502.1 DEFINITIONS. THE FOLLOWING TERMS ARE DEFINED IN CHAPTER 2 (AND ARE INCLUDED HERE FOR REFERENCE) ARTERIAL HIGHWAY. A GENERAL TERM DENOTING A HIGHWAY PRIMARILY FOR THROUGH TRAFFIC		SECTION 5.503.1 FIRE WOOD-B RESIDEN
		BUILDING PROJECT. THE BASIS OF DESIGN DOCUMENT SHALL COVER THE FOLLOWING SYSTEMS: 1. HEATING, VENTILATION, AIR CONDITIONING (HVAC) SYSTEMS AND CONTROLS. 2. INDOOR LIGHTING SYSTEM AND CONTROLS. 3. WATER HEATING SYSTEM		A-WEIGHTED SOUND LEVEL (DBA). THE SOUND PRESSURE LEVEL IN DECIBELS AS MEASURED ON A SOUND LEVEL METER USING THE INTERNATIONALLY STANDARDIZED A-WEIGHTING FILTER OR AS COMPUTED FROM SOUND SPECTRAL DATA TO WHICH A-WEIGHTING ADJUSTMENTS HAVE BEEN MADE.		SECTIO LOCAL 5.503.1. NEW SC SHALL
		 RENEWABLE ENERGY SYSTEMS. WATER REUSE SYSTEMS. WATER REUSE SYSTEMS. S.410.2.3 COMMISSIONING PLAN. [N] PRIOR TO PERMIT ISSUANCE A COMMISSIONING PLAN SHALL BE COMPLETED TO DOCUMENT HOW THE PROJECT WILL BE COMMISSIONED. THE COMMISSIONING PLAN SHALL INCLUDE THE FOLLOWING: 		1 BTU/HOUR. BRITISH THERMAL UNITS PER HOUR, ALSO REFERRED TO AS BTU. THE AMOUNT OF HEAT REQUIRED TO RAISE ONE POUND OF WATER ONE DEGREE FAHRENHEIT PER HOUR, A COMMON MEASURE OF HEAT TRANSFER RATE. A TON OF REFRIGERATION IS 12,000 BTU, THE AMOUNT OF HEAT REQUIRED TO MELT A TON (2,000 POUNDS) OF ICE AT 32° FAHRENHEIT. COMMUNITY NOISE EQUIVALENT LEVEL (CNEL). A METRIC SIMILAR TO THE DAY-NIGHT AVERAGE SOUND	X	SECTIO 5.504.1 TE CONSTRUC
		 GENERAL PROJECT INFORMATION. COMMISSIONING GOALS. SYSTEMS TO BE COMMISSIONED. PLANS TO TEST SYSTEMS AND COMPONENTS SHALL INCLUDE: A. AN EXPLANATION OF THE ORIGINAL DESIGN INTENT. A. AN EXPLANATION OF THE ORIGINAL DESIGN INTENT. 		LEVEL (LDN), EXCEPT THAT A 5 DECIBEL ADJUSTMENT IS ADDED TO THE EQUIVALENT CONTINUOUS SOUND EXPOSURE LEVEL FOR EVENING HOURS (7PM TO 10PM) IN ADDITION TO THE 10 DB NIGHTTIME ADJUSTMENT USED IN THE LDN. COMPOSITE WOOD PRODUCTS. COMPOSITE WOOD PRODUCTS INCLUDE HARDWOOD PLYWOOD, PARTICLEBOARD AND MEDIUM DENSITY FIBERBOARD. "COMPOSITE WOOD PRODUCTS" DOES NOT		WITHIN TH HVAC SYS REPORTIN BASED ON BUILDING I
		 B. EQUIPMENT AND SYSTEMS TO BE TESTED, INCLUDING THE EXTENT OF TESTS. C. FUNCTIONS TO BE TESTED. D. CONDITIONS UNDER WHICH THE TEST SHALL BE PERFORMED. E. MEASURABLE CRITERIA FOR ACCEPTABLE PERFORMANCE. 4. COMMISSIONING TEAM INFORMATION. 		INCLUDE HARDBOARD, STRUCTURAL PLYWOOD, STRUCTURAL PANELS, STRUCTURAL COMPOSITE LUMBER, ORIENTED STRAND BOARD, GLUED LAMINATED TIMBER, TIMBER, PREFABRICATED WOOD I–JOISTS OR FINGER–JOINTED LUMBER, ALL AS SPECIFIED IN CALIFORNIA CODE OF REGULATIONS (CCR), TITLE 17, SECTION 93120.1(A).	X	5.504.3 CO CONSTRUC SITE AND U AND OTHE PLASTIC, S THE AMOU
		5. COMMISSIONING PROCESS ACTIVITIES, SCHEDULES AND RESPONSIBILITIES. PLANS FOR THE COMPLETION OF COMMISSIONING SHALL BE INCLUDED. 5.410.2.4 FUNCTIONAL PERFORMANCE TESTING. [N] FUNCTIONAL PERFORMANCE TESTS SHALL DEMONSTRATE THE CORRECT INSTALLATION AND OPERATION OF EACH COMPONENT, SYSTEM AND SYSTEM-TO-SYSTEM INTERFACE IN ACCORDANCE WITH THE		DAY-NIGHT AVERAGE SOUND LEVEL (LDN). THE A-WEIGHTED EQUIVALENT CONTINUOUS SOUND EXPOSURE LEVEL FOR A 24-HOUR PERIOD WITH A 10 DB ADJUSTMENT ADDED TO SOUND LEVELS OCCURRING DURING NIGHTTIME HOURS (10P.M. TO 7 A.M.). DECIBEL (DB), A MEASURE ON A LOGARITHMIC SCALE OF THE MAGNITUDE OF A PARTICULAR QUANTITY		
		APPROVED PLANS AND SPECIFICATIONS. FUNCTIONAL PERFORMANCE TESTING REPORTS SHALL CONTAIN INFORMATION ADDRESSING EACH OF THE BUILDING COMPONENTS TESTED, THE TESTING METHODS UTILIZED, AND INCLUDE ANY READINGS AND ADJUSTMENTS MADE.		(SUCH AS SOUND PRESSURE, SOUND POWER, SOUND INTENSITY) WITH RESPECT TO A REFERENCE QUANTITY. ELECTRIC VEHICLE (EV). AN AUTOMOTIVE-TYPE VEHICLE FOR ON-ROAD USE, SUCH AS PASSENGER AUTOMOBILES, BUSES, TRUCKS, VANS, NEIGHBORHOOD ELECTRIC VEHICLES, ELECTRIC MOTORCYCLES, AND THE LIKE, PRIMARILY POWERED BY AN ELECTRIC MOTOR THAT DRAWS CURRENT FROM A		
				RECHARGEABLE STORAGE BATTERY, FUEL CELL, PHOTOVOLTAIC ARRAY, OR OTHER SOURCE OF ELECTRIC CURRENT. PLUG-IN HYBRID ELECTRIC VEHICLES (PHEV) ARE CONSIDERED ELECTRIC VEHICLES. FOR PURPOSES OF THE CALIFORNIA ELECTRICAL CODE, OFF-ROAD, SELF-PROPOELLED ELECTRIC VEHICLES, SUCH AS INDUSTRIAL TRUCKS, HOISTS, LIFTS, TRANSPORTS, GOLF CARTS, AIRLINE GROUND SUPPORT EQUIPMENT, TRACTORS, BOATS, AND THE LIKE, ARE NOT INCLUDED.		
15 14	13	12 11 10 9		8 7 6 5		

	_
ECTION 5.502 DEFINITIONS (CONT) LECTRIC VEHICLE CHARGING STATION(S) (EVCSJ). ONE OR MORE SPACES INTENDED FOR CHARGING LECTRIC VEHICLES.	
LECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE). THE CONDUCTORS, INCLUDING THE UNGROUNDED, ROUNDED, AND EQUIPMENT GROUNDING CONDUCTORS AND THE ELECTRIC VEHICLE CONNECTORS, TTACHMENT PLUGS, AND ALL OTHER FITTINGS, DEVICES, POWER OUTLETS, OR APPARATUS INSTALLE PECIFICALLY FOR THE PURPOSE OF TRANSFERRING ENERGY BETWEEN THE PREMISES WIRING AND HE ELECTRIC VEHICLE.	D
NERGY EQUIVALENT (NOISE) LEVEL (LEQ). THE LEVEL OF A STEADY NOISE WHICH WOULD HAVE THE AME ENERGY AS THE FLUCTUATING NOISE LEVEL INTEGRATED OVER THE TIME OF PERIOD OF NTEREST.	
XPRESSWAY. AN ARTERIAL HIGHWAY FOR THROUGH TRAFFIC WHICH MAY HAVE PARTIAL CONTROL OF CCESS, BUT WHICH MAY OR MAY NOT BE DIVIDED OR HAVE GRADE SEPARATIONS AT INTERSECTIONS REEWAY. A DIVIDED ARTERIAL HIGHWAY WITH FULL CONTROL OF ACCESS AND WITH GRADE EPARATIONS AT INTERSECTIONS.	=
LOBAL WARMING POTENTIAL (GWP). THE RADIATIVE FORCING IMPACT OF ONE MASS-BASED UNIT OF A IVEN GREENHOUSE GAS RELATIVE TO AN EQUIVALENT UNIT OF CARBON DIOXIDE OVER A GIVEN ERIOD OF TIME. CARBON DIOXIDE IS THE REFERENCE COMPOUND WITH A GWP OF ONE.	
GLOBAL WARMING POTENTIAL VALUE (GWP VALUE). A 100-YEAR GWP VALUE PUBLISHED BY THE NTERGOVERNMENTAL PANEL ON CLIMATE CHANGE (IPCC) IN EITHER ITS SECOND ASSESSMENT REPOR SAR) (IPCC, 1995); OR ITS FOURTH ASSESSMENT A-3 REPORT (AR4) (IPCC, 2007). THE SAR GWP VALUES NRE FOUND IN COLUMN "SAR (100-YR)" OF TABLE 2.14.; THE AR4 GWP VALUES ARE FOUND IN COLUMN 100 YR" OF TABLE 2.14.	रा
IGH-GWP REFRIGERANT. A COMPOUND USED AS A HEAT TRANSFER FLUID OR GAS THAT IS: (A) A HLOROFLUOROCARBON, A HDROCHLOROFLUOROCARBON, A HYDROFLUOROCARBON, A ERFLUOROCARBON, OR ANY COMPOUND OR BLEND OF COMPOUNDS, WITH A GWP VALUE EQUAL TO (REATER THAN 150, OR (B) ANY OZONE DEPLETING SUBSTANCE AS DEFINED IN TITLE 40 OF THE CODE DE FEDERAL REGULATIONS, PART 82, SEC 82.3 (AS AMENDED MARCH 10, 2009)	DR
ONG RADIUS ELBOW. PIPE FITTING INSTALLED BETWEEN TWO LENGTHS OF PIPE OR TUBING TO ALLOV CHANGE OF DIRECTION, WITH A RADIUS 1.5 TIMES THE PIPE DIAMETER.	v
OW-GWP REFRIGERANT. A COMPOUND USED AS A HEAT TRANSFER FLUID OR GAS THAT: (A) HAS A GW 'ALUE LESS THAN 150, AND (B) IS NOT AN OZONE DEPLETING SUBSTANCE AS DEFINED IN TITLE 40 OF 'HE CODE OF FEDERAL REGULATIONS, PART 82, SEC.82.3 (AS AMENDED MARCH 10, 2009).	'P
IERV. FILTER MINIMUM EFFICIENCY REPORTING VALUE, BASED ON ASHRAE 52.2–1999. IAXIMUM INCREMENTAL REACTIVITY (MIR). THE MAXIMUM CHANGE IN WEIGHT OF OZONE FORMED BY ADDING A COMPOUND TO THE "BASE REACTIVE ORGANIC GAS (ROG) MIXTURE" PER WEIGHT OF	
OMPOUND ADDED, EXPRESSED TO HUNDRETHS OF A GRAM (G O ³ /G ROC). RODUCT-WEIGHTED MIR (PWMIR). THE SUM OF ALL WEIGHTED-MIR FOR ALL INGREDIENTS IN A RODUCT SUBJECT TO THIS ARTICLE. THE PWMIR IS THE TOTAL PRODUCT REACTIVITY EXPRESSED TO IUNDREDTHS OF A GRAM OF OZONE FORMED PER GRAM OF PRODUCT (EXCLUDING CONTAINER AND ACKAGING).	
SIG. POUNDS PER SQUARE INCH, GUAGE. EACTIVE ORGANIC COMPOUND (ROC). ANY COMPOUND THAT HAS THE POTENTIAL, ONCE EMITTED, TO ONTRIBUTE TO OZONE FORMATION IN THE TROPOSPHERE.	С
CHRADER ACCESS VALVES. ACCESS FITTINGS WITH A VALVE CORE INSTALLED. HORT RADIUS ELBOW. PIPE FITTING INSTALLED BETWEEN TWO LENGTHS OF PIPE OR TUBING TO ALLOW A CHANGE OF DIRECTION, WITH A RADIUS 1.0 TIMES THE PIPE DIAMETER.	
UPERMARKET. FOR THE PURPOSES OF SECTION 5.508.2, A SUPERMARKET IS ANY RETAIL FOOD ACILITY WITH 8,000 SQUARE FEET OR MORE CONDITIONED AREA, AND THAT UTILIZES EITHER EFRIGERATED DISPLAY CASES, OR WALK-IN COOLERS OR FREEZERS CONNECTED TO REMOTE COMPRESSOR UNITS OR CONDENSING UNITS.	
OC. A VOLATILE ORGANIC COMPOUND BROADLY DEFINED AS A CHEMICAL COMPOUND BASED ON ARBON CHAINS OR RINGS WITH VAPOR PRESSURES GREATER THAN 0.1 MILLIMETERS OF MERCURY A OOM TEMPERATURE. THESE COMPOUNDS TYPICALLY CONTAIN HYDROGEN AND MAY CONTAIN DXYGEN, NITROGEN AND OTHER ELEMENTS. SEE CCR TITLE 17, SECTION 94508(A).	т
OTE: WHERE SPECIFIC REGULATIONS ARE CITED FROM DIFFERENT AGENCIES SUCH AS SCAQMD, ARI TC., THE VOC DEFINITION INCLUDED IN THAT SPECIFIC REGULATION IS THE ONE THAT PREVAILS FOR THE SPECIFIC MEASURE IN QUESTION.	З,
SECTION 5.503 FIREPLACES .503.1 FIREPLACES. INSTALL ONLY A DIRECT-VENT SEALED-COMBUSTION GAS OR SEALED WOOD-BURNING FIREPLACE, OR A SEALED WOODSTOVE OR PELLET STOVE, AND REFER TO RESIDENTIAL REQUIREMENTS IN THE CALIFORNIA ENERGY CODE, TITLE 24, PART 6, SUBCHAPTER 7, SECTION 150. WOODSTOVES, PELLET STOVES AND FIREPLACES SHALL COMPLY WITH APPLICABLE	
5.503.1.1 WOODSTOVES. WOODSTOVES AND PELLET STOVES SHALL COMPLY WITH U.S. EPA NEW SOURCE PERFORMANCE STANDARDS (NSPS) EMISSION LIMITS AS APPLICABLE, AND SHALL HAVE A PERMANENT LABEL INDICATING THEY ARE CERTIFIED TO MEET THE EMISSION LIMITS.	
SECTION 5.504 POLLUTANT CONTROL .504.1 TEMPORARY VENTILATION. THE PERMANENT HVAC SYSTEM SHALL ONLY BE USED DURING CONSTRUCTION IF NECESSARY TO CONDITION THE BUILDING OR AREAS OF ADDITION OR ALTERATION	
VITHIN THE REQUIRED TEMPERATURE RANGE FOR MATERIAL AND EQUIPMENT INSTALLATION. IF THE VAC SYSTEM IS USED DURING CONSTRUCTION, USE RETURN AIR FILTERS WITH A MINIMUM EFFICIENC EPORTING VALUE (MERV) OF 8, BASED ON ASHRAE 52.2-1999, OR AN AVERAGE EFFICIENCY OF 30% ASED ON ASHRAE 52.1-1992 REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY, OR, IF THE UILDING IS OCCUPIED DURING ALTERATION, AT THE CONCLUSION OF CONSTRUCTION.	Υ
.504.3 COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION. AT THE TIME OF ROUGH INSTALLATION, OR DURING STORAGE ON THE CONSTRUCTION ITE AND UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT IND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, LASTIC, SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE	١
THE AMOUNT OF DUST, WATER AND DEDRIS WHICH MAT COLLECT IN THE STSTEM.	

Copyright 2024 -	Chites THY P. HUI CLATES, II P. Huff, AIA Arc Ave., Modesto, 2232 Fax: (209 SED ARCA OF CALLED TIMOTHY P. HUI OF CALLED TIMOTHY P. HUI	The second secon								
Consulting 1400 Lone Modesto, C Tel: 209.57 www.ne HVAC.Plut Process/Plat	<image/> <text><text><text></text></text></text>									
ESCALON HIGH SCHOOL FOOD SCIENCE CLASSROOM	1528 YOSEMITE AVE. ESCALON, CA 95320 ESCALON UNIFIED SCHOOL DISTRICT	MECHANICAL - GREEN BUILDING CODE NOTES								
Project Number Date Drawn by Checked by	ЛО.1	2321 7/5/24 DW GL								

A B B C C C C C C C C C C C C C C C C C	
A B C C C C C C C C C C C C C	
The advertised of the second o	
Constrained of the second of t	
в с с с с с с с с с с с с с	
The production of the second s	
Compared and the contract of t	
C C C C C C C C C C C C C C	
C TINOTHY P. HULF & ASSOCIATES, INC. TOTAL 222 For (200) 571-1222 For (200) 571-1 Copyright 222 - Timotry P. Hulf & Association Copyright 222 - Timotry P. Hulf & Association Copyright 222 - Timotry P. Hulf & Association Copyright 222 - Timotry P. Hulf & Association F Hulf & Assoc	
Troody P. Hafl Ad Addited S1B Addited. CA S3D S1B Additional CA S3D S1B Additional CA S3D Ph. (200) S7 - 2007 Million Copyright 2024 - Lincetly P. Hafl & Asso Copyright 2024 - Lincetly P. Hafl & Asso Copyright 2024 - Lincetly P. Hafl & Asso F Incetty P. Hafl & Asso G Coupling Million Fill & Consultants F Incetty P. Hafl & Asso G Coupling Million Fill & Consultants F Incetty P. Hafl & Asso G Coupling Million Fill & Consultants F Incetty P. Hafl & Asso G Coupling Million Fill & Consultants F Incetty P. Hafl & Asso H Incetty P. Hafl & Asso	
Copyright 2024 - Timothy P. Huff & Asso Copyright 2024 - Timothy P. Huff & Asso Copyri	6
D Image: Consultance of the consultance of	
E Copyright 2024 - Timothy P. Huff & Asso Copy	
E Copyright 2024 - Timothy P. Huff & Asso E Copyright 2024 - Timothy P. Huff & Asso Consulting Mechanical Engineers 1 - Advance Add States P Copyright 2024 - Timothy P. Huff & Asso Consulting Mechanical Engineers 1 - Advance Add States P Copyright 2024 - Timothy P. Huff & Asso Consulting Mechanical Engineers 1 - Advance Add States P Copyright 2024 - Timothy P. Huff & Asso Consultants P Copyright 2024 - Timothy P. Huff & Asso Consultants P Copyright 2024 - Timothy P. Huff & Asso P Copyright 2024 - Timothy P Huff & Asso P Copyrigh	
F F Consultants Image: Source of the source of	ates
Image: Consultant of the second of the se	
F Trighteet britting F Trighteet britting Consulting Mechanical Engineers HVAC. Pumbing/fighteet a Modeste, CA 8535 Tei 209.572 7399 Fax: 209.263 Tei 209.572 7399 Fax: 209.263 Tei 209.572 7399 Fax: 209.263 F F F F F F F F F F F F F	
Image: state in the state	
F HVAC. Pumbing/Point, Fie Spinikles 200 CFM 8"0 8"0 6 4"0 DRYER VENT THRU ROOF WITH FLASHING AND WEATHER CAP H	
G 4'Ø DRYER VENT THRU ROOF WITH FLASHING AND WEATHER CAP H	
G 4"Ø DRYER VENT THRU ROOF WITH FLASHING AND WEATHER CAP H H	
G 4"Ø DRYER VENT THRU ROOF WITH FLASHING AND WEATHER CAP H	
- 4"Ø DRYER VENT THRU ROOF WITH FLASHING AND WEATHER CAP H	
FLASHING AND WEATHER CAP	
AN RET SC	
AL-DS 16 0 20 20 20 20 20 20 20 20 20 20 20 20 20	
MECH SCIENCE SCALE	
Project Number 2	21
Date //	<u>∠4</u> W GL
L М2.О	- 1
3 2 1 Plot Date & Time	

TABLE 5-2	2 MINIMUM HAN	NGER SIZES FO	R ROUND DUCT
DUCT DIAMETER	MAXIMUM SPACING	ROD DIAMETER	STRAP
<u>></u> 10"	12'	1/4"	1" x 0.030" (22 GA.)
11" TO 18"	12'	1/4"	1" x 0.030" (22 GA.)
19" TO 24"	12'	1/4"	1" x 0.030" (22 GA.)
25" TOI 36"	12'	3/8"	1" x 0.036" (20 GA.)
37" TO 50"	12'	2 @ 3/8"	2 @ 1" x 0.036" (20 GA.)
51" TO 80"	12'	2 @ 3/8"	2 @ 1" x 0.037" (18 GA.)
81" TO 94"	12'	2 @ 3/8"	2 @ 1" x 0.058" (16 GA.)

arc TIMO ASSO Timothy 519 McHenry Ph: (209) 571-	CHITES THY P. HUI P. Huff, AIA Arc Ave., Modesto, 2232 Fax: (208 SED ARC/ Ave., Modesto, 2232 Fax: (208 SED ARC/ No. C 15527 REN: 5/25 OF CALLFO Timothy P. Huff	FF & NC. shitect CA 95354 b) 571-1936
Consulting 1400 Lone Modesto, C Tel: 209.57 www.ne HVAC.Plut Process/Plat	Consultants	gineers 36.1579 1g.net Sprinklers igeration
ESCALON HIGH SCHOOL FOOD SCIENCE CLASSROOM	1528 YOSEMITE AVE. ESCALON, CA 95320 ESCALON UNIFIED SCHOOL DISTRICT	MECHANICAL - DETAILS
Project Number Date Drawn by Checked by		2321 7/5/24 DW GL
Plot Date & Tim	//3.1 ▫	

15	5		14			13		12			11			10				9		8	3	
	F	IR QUESTIONS	S. CALL	THE																		
		Central REGIDN	Ú CA 91																			
		PHDNE: (415) 9 EMAIL: reg91@caj	956 - 220 ptiveaire.c	0 Iom																		
HOOL) INF	ORMATION -	J0B#70	923	302																	
	TAG	MDDFI		URFR			MAX DKING TYPF	APPLIANC			MIN CFM			EXHAU RI	JST PL ISER(S	ENUM			TOTAL SUPPI Y	НООД		<u>וס מם</u> דחד (
ND		(004					EMP	DUTY	CFM/F	F EXH CFM		WIDTH	LENG HE	IGHT	DIA	CFM	VEL	SP	CFM			
1	H-1	6024 ND-2WI-PSP-FB	CAPTIVE	AIRE	7′0	/	600 I DEG I	HEAVY	300	2100	1680			4″	14″	2100	1964	-1.055″	1890	430 SS WHERE EXP	DSED ALC	JNE
2	H-2	5424 ND-2-PSP-F	CAPTIVE	AIRE	10′4	."	600 I DEG I	HEAVY	250	2583	2066			4″	16″	2583	1850	-0.971″	2325	430 SS WHERE EXP	DSED LE	FT
3	H-3	5424 ND-2-PSP-F	CAPTIVE	AIRE	10' 6	,	600 I DEG I	HEAVY	250	2625	2100			4″	16″	2625	1880	-1.002″	2362	430 SS	USED MID	DLE
4	H-4	5424	CAPTIVE	AIRE	10′ 4		600 I	HEAVY	250	2583	2066			4″	16″	2583	1850	-0.971″	2325			ынт
5	H-5	5424	CAPTIVE	AIRE	10′ 4	."	600 I	HEAVY	250	2583	2066			4″	16″	2583	1850	-0.971″	2325	430 SS		FT
6	н-к	אן-2-PSP-F 5424	CAPTIVE	AIRF	10' 6		600 T	ΗΓΔ\/Υ	250	2625	2100			4″	16″	2625	1880	-1.002″	2362	WHERE EXP	USFN WIU	
-		ND-2-PSP-F 5424			10, 1		UEG ⁺ 600 ₊				2000			· · · · · · · · · · · · · · · · · · ·	1/ #	2500	1050	-0.074 "		WHERE EXP		
<u> </u>		ND-2-PSP-F	LATIIVE	nikt	10, 4	· 1	DEG 1		200	<u>د</u> کلاع	2000			+	10.	പാദാ	υσου	-U.J/I″	J	WHERE EXP	DSED KIU	111
<u>טי</u>] _{ייחו}	<u>ו א INF</u>	UKMATTUN		F	ILTER(S))	1			LIGHT	(S)			I		T			JTILITY C	ABINET(S)		
ם עני	TAG	TYPE		QTY	HEIGHT	_ENGTH	EFFICIENC MICRON	Y@7 NS	QTY	TYPE		WIRE GUARD		IDN	SIZ	ZE	ΤY	PE	<u>. ststem</u> S	SIZE	MDDEL	<u>снс</u> #
1	H-1	CAPTRATE SDID	I FILTER	5	20″	16″	85% SEE F	TLTER	2	RECESSED	ROUND	ΝΠ	RIGH	IT .	12″×6ſ)″x24″	TAN	< FS	4.(0/4.0	DCV-11	111
_	-		,					,		/												
	H-2	CAPTRATE SOLO] FILTER	7	20″	16″	85% SEE F	· ILTER	3	RECESSED	ROUND	ND	LEF	T I	12″×54	*x24″	TAN	< FS	4.0/	4.0/4.0		
	H-3] FII TFR	7	20″	16″	85% SEE F	TLTER	3	RECESSED	ROUND	NП										
				,			SPEC	·														
	H-4	CAPTRATE SOLO	I FILTER	7	20″	16″	85% SEE F	FILTER	3	RECESSED	ROUND	ND	RIGH	IT I	12″×54	*x24″	TAN	< FS	4.0/	4.0/4.0		
	H-5			7	20″	16″	85% SEE F	TLTER	3	RELESSED					12″∨∽^	."×24"	ΤΔΝΙ	< FS	⊿ ∩ /	4.0/4 0		
				/		10	SPEC	2		NECESSED	עווסידיי			· .	1C XJ4			、 ı 、 >	4,0/	טוד יעוו		
	Н-6	CAPTRATE SOLO] FILTER	7	20″	16″	85% SEE F SPEC	TILTER	3	RECESSED	ROUND	ND										
+				_	20#	1//	85% SEE F	TILTER		DECESSER					10% 5		T			40/40		
		UNI'IKAIE SULU	I I ILIEK	/	ĊΨ	10	SPEC	2		NEUESSED	ИПОПУ				1C XJ4	r x⊂4"	I ANI	\ Г)	4.U/	יטי 4יט ליי		
) <u>0P1</u>	' <u>IONS</u>																				
		FIELD WRAPPE	IR 4.00″	HIG	5H FI	RONT, L	EFT, RIGHT, I	ЗАСК.														
1		FINISHED BACK-	ISL/REV	INST HIG	ALL E	34.00″ Ront. L	LONG, (FILTER _EFT.	RS TO THE	FRONT),													
2		LEFT VERTICAL	END PAN	EL	27″ T	OP WII	 DTH, 21″ BC	ITTOM WID	TH, 80	″ HIGH	INSULAT	ED 430										
3		FIELD WRAPPE	IR 4.00″	HIG	GH FI	RONT,																
		FIELD WRAPPE RIGHT VERTICA	R 4.00"	HIG NEL	H Fl 27″ ⁻	RONT, F Top VI	RIGHT. DTH, 21″ B	OTTOM WI	DTH, 80)" HIGH	INSULA	TED 430										
-		SS. FIELD WRAPPF	IR 4.00″	HIG	5H FI	RONT, I	_EFT.			·												
		LEFT VERTICAL	END PAN	EL	27″ T	OP WII	DTH, 21″ BE	ITTOM WID	TH, 80	″ HIGH	INSULAT	ED 430										
		FIELD WRAPPE	IR 4.00"	HIG																		
		RIGHT VERTICA	L END PA	HIG NEL	ын Fl 27″ ⁻	KUNT, R Top WI	<иони. ПТН, 21″ В	OTTOM WI	DTH, 80)" HIGH	INSULA	TED 430										
		SS.																				
								TRATE & KIL	EEN-GARD F	ILTERS	/											
~	FOR QUI CAPTIV	ESTIONS, CALL THE /E-AIRE SYSTEMS		CAPT BUILT	TVE-AIRE F	HOODS AF IANCE WI	RE AR	E BUILT IN CO	OMPLIANCE	WITH	.				\backslash							
С	LENTRAL ($ \begin{array}{c} \text{CALIFORNIA OFFICE} \\ \hline \\ \hline \\ \\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $						NSF)	BUIL IN ACCORE VIT NFP	LT HANCE H A M			LE									
	ке	SION AT			NFPA No. 96		n ver	THE REAL PROPERTY AND A DECEMBER OF A DECEMB	No. No.	*6												
	8 A BURLIN	DRIAN COURT NGAME, CA 94010		UL 710	NFPA #9	6 STANDAR	RDS	NFP NSF STAI UL STANI	PA #96 NDARD #2 DARD #1046													
EM	PHON AIL: REG9	E: (415) 956-2200 1@CAPTIVEAIRE.COM		E.T.L	LISTED 30)54804-001		INT. MECH	. CODE (IMC))		COMP	LIANT		/							
														////ba/								
														-								
		1								- 1										1		
15	;		14			13		12			11	T		10				9			3	

- YHA		FNUM							
	RISERC	5)			TOTAL	нппл			
IGHT	DIA	CFM	VEL	SP			END TO END	ROW	
4″	14″	2100	1964	-1.055″	1890	430 SS WHERE EXPOSED	ALONE	ALONE	
4″	16″	2583	1850	-0.971″	2325	430 SS WHERE EXPOSED	LEFT	FRONT	
4″	16″	2625	1880	-1.002″	2362	430 SS WHERE EXPOSED	MIDDLE	FRONT	
4″	16″	2583	1850	-0.971″	2325	430 SS WHERE EXPOSED	RIGHT	FRONT	
4″	16″	2583	1850	-0.971″	2325	430 SS WHERE EXPOSED	LEFT	ВАСК	
4″	16″	2625	1880	-1.002″	2362	430 SS WHERE EXPOSED	MIDDLE	BACK	
4″	16″	2583	1850	-0.971″	2325	430 SS WHERE EXPOSED	RIGHT	ВАСК	

UTILITY CABINET(S)												
		<u> </u>	RE SYSTEM	ELECTRICAL	SWITCHES	SYSTEM						
IDN	SIZE	TYPE	SIZE	MODEL #	QUANTITY	PIPING	WEIGHT					
т	12″×60″×24″	TANK ES	4 0 / 4 0	חר\/–1111	1 LIGHT	YES	813					
			017 017		1 FAN		LBS					
Т	12″×54″×24″	TANK FS	4.0/4.0/4.0			YES	1014					
						YES	584					
							LB2					
Т	12″×54″×24″	TANK FS	4.0/4.0/4.0			YES	1014					
							LR2					
Т	12″x54″x24″	TANK FS	4.0/4.0/4.0			YES	1014					
•							LB2					
						YES	584					
							LBS					
т	12"~54"~24"	TANK ES				VES	1014					
1	IL XJ4 XC4	I MINN F S	4.07 4.07 4.0				LBS					

7

6

5

4

I B С D E F G | Н ĸ | L 3 2 | 1

2

3

1

4

5

	1	15			14			13				12			11			1()
			l							l			ľ						
	PERI	70RA1	<u>ed su</u>	PPLY	PLENU	J <u>M(S)</u>			_	RISER	(2)		<u>SPECI</u>	FICAT		CAPT	RATE	<u>GREA:</u>	<u>SE-STO</u>
<i>۲</i>		TAG	POS	LENGTH	I WIDTH	HEIGHT		WIDTH		DIA	CFM	SP	I HE CA A UNIQU TO DEL	-irate Je S-B Iver f	GREAS AFFLE XCEPTI	SE-STO DESIGN ONAL F	r SULO I IN CON ⊓ILTRATI	FILTER IJUNCTI IDN EFF	IS A SII ON WITH ICIENCY
	1		Back	96″	12″	6″	MUA MUA	10"	24"		470	0.123*	FILTER 2-INCH	IS STA DEEP I	AINLESS Hood C	S STEE	L CONST	RUCTIO	N, AND S
_			Front	96″	12″	6″	MUA MUA	10"	24"		470	0.123"	UNITS S COMPONI	SHALL S Ents w	INCLUD HEN A	E STAII SSEMBL	NLESS S .ed.	TEEL H	IANDLES (
	2		Front	136″	20″	6″	MUA MUA	12"	28"		775	0.224"	GREASE PARTICL	EXTRA ES FIN	CTION /e mic	EFFICI RONS I	ENCY PE N SIZE,	RFORMA	NCE SHAI
в				106#	204		MUA MUA	12"	28"		775	0.224"	LARGER	, WITH PTRATE	A COR GREAS	RESPON SE-STO	IDING PR P SOLO	ESSURE	E DROP N Ested to
	3		Front	126"	20"	6	MUA MUA	12"	28"		787	0.231"	EFFICIEN	CTURER CY VS. PA	APPRI RTICLE I	JVED F DIAMETE	DR USE R	IN SOL	ID FUEL
	4		Front	136″	20″	6″	MUA	12"	28"		775	0.224"	100						
				100%	20#	<i>с</i> "	MUA	12"	28"		775	0.224	A (0%)						
			Front	136	20	6	MUA	12"	28"		775	0.224	Dicienc.						
:	6		Front	126″	20″	6″	MUA	12"	28"		787	0.231″	40 40				<u> </u>		
	7		Front	136″	20″	6"	MUA	12"	28"		775	0.224″	ERACTIC						
	,			100		0	MUA	12″	28″		775	0.224″							
													0 .1		PARTIC	1.0 CLE DIAM	IETER (UM)	1 1)	0.0
													CAPTRA ⁻ NFPA #9	TE FIL ⁻ 96.	FERS A	RE BUI	LT IN C	OMPLIA	NCE WITH
													NSF STA	NDARD	#2. #1046.	`			
	·	1											ULC-S64	∠н. СШІ 19.	∟ (IMC	۶.			
	Ś	GR	EASE	DU	CT 8	× CH	IMNE	ΞΥ	SPE	CIF		TIONS	51		_		_		
		PR dr)EG	REAS	SED	UCT 20 <	EQ T A T	UAL Inii f	T[] [A	APTI' EE'	VEAIF	2E :	SYS Dv	ΤΕΜ	S MI	DE T	L ″D` \./″
		KU IS	UNU 211	ζυι ΤΕΠ	JUAL I NT	ı∟ 4 JL —1	3∪ \ 978	AN C	.ın∟t D T	s II	i c TZV	eel Alif	ו שטע ו 1 חטע []	ILW NI	₹K, ″∖∕	۱۳۱L … ‴ ′	LAMI	Ц Р I	M N N
			NNEC		AZ Z	EAL	ED \	WITH	+ 3	M F	IRE	BAR	RIER	20	00	PLU	S	MDD	EL "
			ESN		REQL	JIRE	WE		NG ,		VII)ING	IT H	AS	BEE	IN I	NST	ALL	ed p
		H PR	E MA	NUF F R	ACTET Atet) AC	IN: CES	AL כ ות כ	LA DDR	 ~ 2'	NG Atf	UIDE. Ev/fr	Y CH	1 a nir	; F 1	ini t	IIRE		1 AN
		PE	R MA	NUF	ACTL	JRES	LI	STIN	IG N	10 DI	- L	″DW″		IZOI	AT <i>N</i>	L R	UNS	LE	T 22
		SL) 1/1	.6″ F	PER	12″,		RIZ	JNT	AL	RUNS		ξΕ		N_7	5 F	T, C	AN E
			CI S	SHUU III AT	LD F Toni	3E S tni l	ТПЬ	ED 70ni	AS tai	MU() H Inis	AS PI		3LE		RF	DUC	-	HE C
+				JLAI	ΤΓΙΝ	TIN I					112'								
		IF	THE	DUC	CT 🗆	R CI	HIMN	IEY	IS	WIT	HIN	18	INCH	ES	DF		1BUS	TIB	LE M
			-222	21 OF To	R UL	-103	3 HT	LI.	STE	DI	UDUI Me	BLE '	WALL	GR		SE]			2 DOL
		EQ 43	UAL 0 ST	AINL	LAP I ESS	INN	airt IER	DUC	T I	ems NSL	ILA]	idel Led ,	- w u h TIW	ı A	τ, c 24	ir Gal	i i pe Jge	- пі 430	, sr Sta
		APT	T\/F2	IRF	242	TEM	S RI		MF	NDS	TL	4F <	ς Ε				ΗV	'AC	DIST
]F L	_ISTE	ED, F	PRE-	FAB	RICA	TED	RE		DG	REAS	E	H	TGH	VF		ΤΤΥ	DIFF
	E	ХНА	UST	DUC	T T [] RE	DUC	ES	TAT	IC	PRE	ESSUF	RE	SF		_D		BE	PLA
	II	N T Vint	HE S Spert	ΥΥΥΓ	ΞΜ, Ι ττм	MINII 1 F S	MIZE	IN:	STA		ATIE Duic	IN AP Dit to	VD			DF	THE	EX	HAUS
		TINÇ	SFEU	ιτηιν	I ⊥I^	ı⊂⊃, IQUT	lvin T	, EN [Ght	JUF -		UUL	1 12					DTF E	USE	KS 4
	ļ						· -							L					
				VEI	RIFY	CE	LIN	GΗ	EIG	HT				(CUS	STO	MEF	R AF	PPRC
						,	_	"						AP	PROVED	AS NOTE	ED		
														AP	PROVED	WITH NO) EXCEPTI	ON TAKE	Ν
														RE SIG	VISE ANI NATURE	RESUB	MIT		
	ŀ	HEIGHT	REQUIRED	TO VERI	FY THAT	HOOD FI	TS SPAC	E AND 1	TO SIZE	THE E	ENCLOSI	URE PANE	LS	YO	UR TITLE				
$\frac{1}{2}$																			
		15			14			13				12			11		1		<u> </u>

TION, AND SIZED TO FIT INTO STANDARD

HANDLES AND A FASTENING DE∨ICE TO SECURE THE TWO

9

LIANCE WITH:

- DEL "DW" "DV"LOCKING DEL "DV"
- LED PER
- ION AND EVERY 12' ON CENTER, ESS THAN 75 FT, CAN BE
- CAN BE SLOPED 3/16" PER 12", THE CHANCE OF GREASE

IBLE MATERIAL, PROVIDE OR DOUBLE WALL CHIMNEY HT, 3R, OR 3Z" ROUND 20 GAUGE 30 STAINLESS DUTER SHELL,

C DISTRIBUTION NOTE

Y DIFFUSERS OR HVAC RETURNS E PLACED WITHIN TEN (10) FEET EXHAUST HOOD, PERFORATED SERS ARE RECOMMENDED.

APPROVAL TO MANUFACTURE:

	0.475	
TAKEN		

DATE

PATENT NUMBERS

8

AC-PSP (UNITED STATES) - US PATENT 7963830 B2. AC-PSP WALL (CANADA) - CA PATENT 2820509. AC-PSP ISLAND (CANADA) - CA PATENT 2520330.

6

2

| 1

Copyright 2024 -	THY P. HUE CLATES, IL P. Huff, AIA Arc Ave., Modesto, 2232 Fax: (200 SED ARCA Modesto, 2232 Fax: (200 SED ARCA MODEST No. C 15527 REN: 5/25 OF CALLFO Timothy P. Huff	The second secon
Consulting 1400 Lone Modesto, C Tel: 209.57 www.ne2 HVAC.Plur Process/Plar	Consultants	S g ingineers 236.1579 ng.net Sprinklers rigeration
ESCALON HIGH SCHOOL FOOD SCIENCE CLASSROOM	1528 YOSEMITE AVE. ESCALON, CA 95320 ESCALON UNIFIED SCHOOL DISTRICT	MECHANICAL - HOOD INFORMATION
Project Number Date Drawn by Checked by		2321 7/5/24 DW GL
Plot Date & Time	/14.2	

3 2	1			
FIXTURE AND LED LIGHT,	A			
RAPPER 4.00" HIGH				
ID OPTIONS TABLE).	В			
IPPLY RISER WITH JLUME DAMPER. 23.5% OPEN STAINLESS			ノ-	
		arch		
24″ NDM.	С	TIMOTI	HY P. HUF MATES, IN	F & IC.
¥		Timothy P. 519 McHenry Av Ph: (209) 571-22	Huff, AIA Arch ve., Modesto, (32 Fax: (209)	nitect CA 95354) 571-1936
		10 10 17 10 17 10 17	D ARCH	
	D	ST F	6. C 15527 REN: 5/25	★
80″		Copyright 2024 - Ti	mothy P. Huff	& Associa
	E		Yar	
		eng	ineerin	7
		Consulting N 1400 Lone Pa Modesto, CA	Mechanical Eng Im Ave, Suite A 95351	jineers
	F	Tel: 209.572.7 <u>w w w . n e x u</u> HVAC . Plumbi Process/Plant E	399 Fax: 209.23 <u>s e n g i n e e r i n</u> ing/Piping . Fire Sp ingineering . Refrig	6.1579 <u>g . n e t</u> prinklers geration
			ROFESSION AL	
			CHANICA PIE	FER
	G			
RISER.				
ANGLE.				
RATE SOLO ITH HOOK. NAL STANDOFF.	H			
		OD		
RCHITECT/DWNER TD HAT THE HODD CLEARANCE ITED-COMBUSTIBLE USTIBLE MATERIALS IPLIANCE WITH	I	Ŭ L		
IDE REQUIREMENTS.				NOL
RAIN IDVABLE CUP.		SCH	RICT	DRMAT
	J	ASS	OL DIST	D INFO
			AVE. 320 ED SCHC	НОС
			SEMITE , N, CA 95 N UNIFIE	ANICAL
	К	ESC	1528 YO ESCALO ESCALO	MECH
		Project Number Date		23
	L	Drawn by Checked by		D'
		Plot Date & Time	14.4	
	1			

Copyright 2024 -	hite hite THY P. HU CIATES, I P. Huff, AIA AA Ave., Modesto 232 Fax: (20 SED ARCH No. C 15527 REN: 5/25 OF CALIF Timothy P. Hu	FF & INC. Thitect b, CA 95354 b) 571-1936
Consulting 1400 Lone H Modesto, C. Tel: 209.572 www.nex HVAC . Plun Process/Plan	Consultants	S 236.1579 ing.net Sprinklers frigeration
ESCALON HIGH SCHOOL FOOD SCIENCE CLASSROOM	1528 YOSEMITE AVE. ESCALON, CA 95320 ESCALON UNIFIED SCHOOL DISTRICT	MECHANICAL - HOOD INFORMATION 5321
Drawn by Checked by	/14.4	DW GL

<u>ND-2 VERTICAL ENDPANEL</u>

0	9	8	7	6	5	

	FIRE SYST	EM INFORMATION - JOB#7092302		NDZZLE
	FIRE SYSTEM TAG	TYPE SIZE MAX FP DESIGN SYSTEM	LOCATION ON HOOD	
	1	TANK FS 4.0/4.0 40 23 FIRE CABINET RIGHT	RIGHT, HOOD 1	
	2	TANK FS 4.0/4.0/4.0 60 101 FIRE CABINET LEFT 101 FIRE CABINET RIGHT FIRE CABINET RIGHT FIRE CABINET RIGHT	RIGHT, HOOD 4	
	3	TANK FS 4.0/4.0/4.0 60 101 FIRE CABINET RIGHT 4.0/4.0/4.0 60 101 FIRE CABINET LEFT	RIGHT, HOOD 7 LEFT, HOOD 5	APPLIANCE PROTECTION
	GAS VALVE			NDZZLE
	SYSTEM TA	5 TYPE SIZE SUPPLIED BY		
	1	SC ELECTRICAL 2.000 CAPTIVEAIRE SYSTEMS		DPTIDNAL PRE-WIRED ELECTRICAL TERMINAL BOX WITH TERMINAL STRIPS, 3-PHASE CONTACTORS AND OVERLOADS (IF APPLICABLE) FAN AND USELT
	2	SC ELECTRICAL 2.000 CAPTIVEAIRE SYSTEMS		CONTROL PANEL CONTROL PANEL DEM RELEASE/ BRACKET ASSEMBLY
And and a first section of the sectin of the	3	SC ELECTRICAL 2.000 CAPTIVEAIRE SYSTEMS		TYPICAL ANSUL R-102 SYSTEM LAYOUT
	FIRE SYST	EM PARTS LIST KEY		
$ \begin{bmatrix} 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1$	SYSTEM TAI	G KEY NUMBER - PART DESCRIPTION	QTY BY QTY FACTORY DIS	TY BY DIST SYSTEM ND TAG KEY NUMBER - PART DESCRIPTION QTY BY FACTORY QTY BY DIST
$ \begin{vmatrix} 1 + 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$		0 - 0 - TANK FIRE SUPPRESSION POST-DISCHARGE PROCEDURE UTILITY CABINET LABEL SHEET.	1 0	0 - 0 - A31484 1/4" NPT SCHRADER VALVE AND CAP, JB INDUSTRIES. 1/4" FLARE X 1/4" 4 0 MPT HALF UNION. USED ON TANK SERVICE PORT.
Image: Interpretation of the state		0 - 0 - TANK FIRE SUPPRESSION MAINTENANCE GUIDE UTILITY CABINET LABEL SHEET.	1 0	0 - 0 - DATANKLOCK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION 6 0 IN UTILITY CABINETS, TANK FIRE SUPPRESSION.
		0 - 0 - 12-F28021-32144-DT-360 DUCT FIRE THERMOSTAT WITH 12 FODT WIRE LEADS. NO, CLOSE ON TEMP RISE AT 360°F. (A0034310).	1 0	0 - 0 - SLPCON-03FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN END TO END HOODS WITH LESS THAN A 2' GAP. KIT CONTAINS 5 FEET OF BLACK MG WIRE, 5 FEET OF TAN MG WIRE, 3 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.
1 1		0 - 0 - 4429K153 1/2″ MALE NPT TO 1/2″ FEMALE NPT ELBOW, BRASS.	2 0	0 - 0 - SLPCON-05FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN END TO END HOODS WITH LESS THAN A 4' GAP. KIT CONTAINS 7 FEET OF BLACK MG WIRE, 7 FEET OF TAN MG WIRE, 5 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.
1 1		0 – 0 – 4429K422 1/2″ X 1/4″ BRASS REDUCING BUSHING.	1 0	0 - 0 - SLPCON-40FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN HOODS WITH UPTO 39' GAP. KIT CONTAINS 42 FEET OF BLACK MG WIRE, 42 FEET OF TAN MG WIRE, 40 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" 1 0
Image: Instruction of the second se		0 - 0 - 79525 1/2" 90 PRD-PRESS ELBOW WITH 1/2"NPT FEMALE CONNECTION, VIEGA.		0 0 - 0 - TANK STRAP TANK STRAP - USED FOR TANK FIRE SUPPRESSION. 18 0 0 0 - 0 - TFS-UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY 2 2
Image: Proceeding of the large control of the lar		0 - 0 - 87-120042-001 SECONDARY ACTUATOR VALVE (SVA) - SINGLE ACTUATOR, REQUIRES		CABINETS, TANK FIRE SUPPRESSION. 0 0 0
Internal Decision	1	PRIMARY RELEASE ACTUATOR, TANK FIRE SUPPRESSION. 0 - 0 - 87-120045-001 HOSE, SECONDARY ACTUATOR HOSE, 7.5" BRAIDED STAINLESS STEEL,		0 0 0 0 0 0 34 - 34 - A0034331 24VDC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION) 0
Bit is an absolute to the the three set is the three set is a set is set is a s		TANK FIRE SUPPRESSION. 0 - 0 - 87-300001-001 TANK - PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.	2 0	U WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT. RED COLOR. 2 0 0 0 - 0 - TANK FIRE SUPPRESSION MAINTENANCE GUIDE UTILITY CABINET LABEL SHEET. 1 0
Image: Provide and models and models from the transmission 0 1 Image: Provide and models and m		0 - 0 - 87-300030-001 PRIMARY ACTUAT⊡R KIT (PAK) - ACTUAT⊡R AND RELEASE S⊡LEN⊡ID ASSEMBLY, DNE NEEDED PER FIRE SYSTEM, SUPERVISED, TANK FIRE SUPPRESSION.	1 0	0 - 0 - TANK FIRE SUPPRESSION POST-DISCHARGE PROCEDURE UTILITY CABINET LABEL SHEET. 1 0
2 1 2 2 4 6 2 2 5 4 6 6 1 1 1 2 4 6 6 1 1 1 2 4 6 6 6 1 1 1 1 2 6 6 6 1 <td< td=""><td></td><td>0 - 0 - 87-300152-001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.</td><td>8 0</td><td>0 - 0 - 12-F28021-32144-DT-360 DUCT FIRE THERMOSTAT WITH 12 FOOT WIRE LEADS. ND, CLOSE DN TEMP RISE AT 360°F. (A0034310).</td></td<>		0 - 0 - 87-300152-001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.	8 0	0 - 0 - 12-F28021-32144-DT-360 DUCT FIRE THERMOSTAT WITH 12 FOOT WIRE LEADS. ND, CLOSE DN TEMP RISE AT 360°F. (A0034310).
1 - 0 - 0001212 UPUE BD 10 K 1000 K 100 K		0 – 0 – 98694A115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16″ ZINC, TANK FIRE SUPPRESSION.	4 0	0 - 0 - 4429K153 1/2" MALE NPT TO 1/2" FEMALE NPT ELBOW, BRASS. 6 0
Not Not With Start in Start in Start in Start in Start And in Start And in Start In		0 - 0 - A0034332 JUNCTION BOX FOR MANUAL PULL STATION. 1.5" DEEP BACK BOX, RED COLOR.	1 0	0 - 0 - 4429K422 1/2" X 1/4" BRASS REDUCING BUSHING. 4 0
1 1 <td1< td=""> 1 1</td1<>		MPT HALF UNION, USED ON TANK SERVICE PORT.	1 0	0 - 0 - 79525 1/2" 90 PRO-PRESS ELBOW WITH 1/2"NPT FEMALE CONNECTION, VIEGA. 4 0
0 0		IN UTILITY CABINETS, TANK FIRE SUPPRESSION.		0 0 - 0 - 79580 1/2" X 1/2" PRO-PRESS TEE X 1/2"NPT FEMALE CONNECTION, VIEGA. 6 0
2 2 3 4 3 2 3 4 3 3 4 3 4 3 4 3 4 3 5 4 3 4 3 5 4 3 4 3 5 5 4 3 4 3 6 3 5		0 - 0 - TANK STRAP TANK STRAP - USED FOR TANK FIRE SUPPRESSION.	6 0	0 0 0 0 0 0 PRIMARY RELEASE ACTUATOR, TANK FIRE SUPPRESSION. 4 0
Image: Construct with a control with w		CABINETS, TANK FIRE SUPPRESSION.	2 0	0 0 0 0 0 1 0 0 0 0
2 1 0		34 - 34 - A0034331 24VDC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION)		0 0 - 0 - 87-300001-001 TANK - PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION. 6 0 0 0 - 0 - 87-300030-001 PRIMARY ACTUATOR KIT (PAK) - ACTUATOR AND RELEASE SOLENDID 2 0
$r = \frac{1}{1 + 1} $		0 - 0 - TANK FIRE SUPPRESSION MAINTENANCE GUIDE UTILITY CABINET LABEL SHEET.	1 0	0 0 - 0 - 87-300152-001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION. 24 0
$ \frac{1}{2} = 0 - \frac{1}{2} -$		0 - 0 - TANK FIRE SUPPRESSION POST-DISCHARGE PROCEDURE UTILITY CABINET LABEL SHEET.	1 0	0 - 0 - 98694A115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16" ZINC, TANK 12 0 FIRE SUPPRESSION.
2 0 0 - - 0 - 0 - 0 - 0		0 - 0 - 12-F28021-32144-DT-360 DUCT FIRE THERMOSTAT WITH 12 FOOT WIRE LEADS. NO, CLOSE ON TEMP RISE AT 360°F. (A0034310).	3 0	0 3 0 - 0 - A0034332 JUNCTION BOX FOR MANUAL PULL STATION. 1.5" DEEP BACK BOX, RED COLOR. 2 0
0 0		0 - 0 - 4429K153 1/2" MALE NPT TO 1/2" FEMALE NPT ELBOW, BRASS.	6 0	0 - 0 - A31484 1/4" NPT SCHRADER VALVE AND CAP, JB INDUSTRIES. 1/4" FLARE X 1/4" 4 0 MPT HALF UNION. USED ON TANK SERVICE PORT.
$ \frac{1}{2} \sqrt{\frac{1}{2} - 0 - 75855 1/2^{+} 90 PRO-PRESS ELBOV WITH 1/2^{+}NPT FEMALE CONNECTION, VIEGA.} 4 0 0 $ $ \frac{1}{2} - 0 - 75856 1/2^{+} 90 PRO-PRESS ELBOV WITH 1/2^{+}NPT FEMALE CONNECTION, VIEGA.} 4 0 0 $ $ \frac{1}{2} - 0 - 75856 1/2^{+} 90 PRO-PRESS ELBOV WITH 1/2^{+}NPT FEMALE CONNECTION, VIEGA.} 6 0 0 $ $ \frac{1}{2} - 0 - 75860 1/2^{+} X. 1/2^{+} PRO-PRESS TEE X. 1/2^{+}NPT FEMALE CONNECTION, VIEGA.} 6 0 0 $ $ \frac{1}{2} - 0 - 87-120045-001 S2C0NDARY ACTUATOR VALVE (SVA) - SINGLE ACTUATOR, REQUIRES 4 0 0 $ $ \frac{1}{2} - 0 - 87-120045-001 VIEC X. 1/2^{+} REILE SUPPRESSION $ $ \frac{1}{2} - 0 - 87-120045-001 VIEC X. 1/2^{+} REILE SUPPRESSION $ $ \frac{1}{2} - 0 - 87-120045-001 VIEC X. 1/2^{+} REILE SUPPRESSION $ $ \frac{1}{2} - 0 - 87-120045-001 VIEC X. 1/2^{+} REILE SUPPRESSION $ $ \frac{1}{2} - 0 - 87-120045-001 VIEC X. 1/2^{+} REILE SUPPRESSION $ $ \frac{1}{2} - 0 - 87-120045-001 VIEC X. 1/2^{+} REILE SUPPRESSION $ $ \frac{1}{2} - 0 - 87-120045-001 VIEC X. 1/2^{+} REILE SUPPRESSION $ $ \frac{1}{2} - 0 - 87-120045-001 VIEC X. 1/2^{+} REILE SUPPRESSION $ $ \frac{1}{2} - 0 - 87-120045-001 VIEC X. 1/2^{+} REILE SUPPRESSION $ $ \frac{1}{2} - 0 - 87-120045-001 VIEC X. 1/2^{+} REILE SUPPRESSION $ $ \frac{1}{2} - 0 - 87-120045-001 VIEC X. 1/2^{+} REILE SUPPRESSION $ $ \frac{1}{2} - 0 - 87-120045-001 VIEC X. 1/2^{+} REILE SUPPRESSION $ $ \frac{1}{2} - 0 - 87-120045-001 VIEC X. 1/2^{+} REILE SUPPRESSION $ $ \frac{1}{2} - 0 - 87-120045-001 VIEC X. 1/2^{+} REILE SUPREVENCE ACTUATOR VIEC VIEC VIEC X. 1/2^{+} REILE SUPPRESSION $ $ \frac{1}{2} - 0 - 87-120045-001 VIEC X. 1/2^{+} REILE SUPPRESSION $ $ \frac{1}{2} - 0 - 77-80005-001 PEXAFY X. CIVILID VIEC X. 1/2^{+} REILE SUPPRESSION $ $ \frac{1}{2} - 0 - 77-80005-001 PEXAFY X. 1/2^{+} REILE SUPPRESSION $ $ \frac{1}{2} - 0 - 77-8005-001 PEXAFY X. 1/2^{+} REILE SUPPRESSION $ $ \frac{1}{2} - 0 - 78-9005-001 PEXAFY X. 1/2^{+} REILE SUPPRESSION $ $ \frac{1}{2} - 0 - 78-9005-001 PEXAFY X. 1/2^{+} REILE SUPPRESSION $ $ \frac{1}{2} - 0 - 78-9005-001 PEXAFY X. 1/2^{+} REILE SUPPRESSION $ $ \frac{1}{2} - 0 - 78-9005-001 PEXAFY X. 1/2^{+} REILE PEXAFY X. 1/2^{+} REILE PE$		0 - 0 - 4429K422 1/2" X 1/4" BRASS REDUCING BUSHING.	4 0	0 - 0 - DATANKLOCK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION 6 0
P 0 - 0 - 79580 L/2' X L/2' PRD-PRESS TEE X L/2'NPT FEMALE CONNECTION, VIEGA. 6 0 0 - 0 - 79580 L/2' X L/2' PRD-PRESS TEE X L/2'NPT FEMALE CONNECTION, VIEGA. 6 0 0 - 0 - 87-180042-001 SECINDARY ACTUATION VALVE (SVA) - SINGLE ACTUATION, RECURRES 4 0 0 - 0 - 87-180042-001 SECINDARY ACTUATION VALVE (SVA) - SINGLE ACTUATION, RECURRES 4 0 0 - 0 - 87-180042-001 HOBS, SECINDARY ACTUATION VALVE (SVA) - SINGLE ACTUATION, RECURRES 4 0 0 - 0 - 87-180042-001 HOBS, SECINDARY ACTUATION VALVE (SVA) - SINGLE ACTUATION, RECURRES 4 0 0 - 0 - 87-180042-001 HOBS, SECINDARY ACTUATION HOSS, 7.5' BRAIDED STAINLESS STEEL, 4 0 0 - 0 - 87-200020-001 FIRS, SECINDARY ACTUATION HOSS, 7.5' BRAIDED STAINLESS STEEL, 4 0 0 - 0 - 87-200020-001 FIRS, SECINDARY ACTUATION HOSS, 7.5' BRAIDED STAINLESS STEEL, 4 0 0 - 0 - 87-200020-001 FIRS, SECINDARY ACTUATION HOSS, 7.5' BRAIDED STAINLESS STEEL, 4 0 0 - 0 - 87-200020-001 FIRS, SECINDARY ACTUATION ROUSS, 7.5' BRAIDED STAINLESS STEEL, 4 0 0 - 0 - 87-200020-001 FIRS, SECINDARY ACTUATION ROUSS, 7.5' BRAIDED STAINLESS STEEL, 4 0 0 - 0 - 87-200120-001 FIRS, SECINDARY ACTUATION ROUSS FIRS, SUPPRESSION 6 0 0 - 0 - 87-200120-001 FIRS, SECINDARY ACTUATION ROUSS FIRS, SUPPRESSION 6 0 0 - 0 - 987-200122-001 HARDWARE, SCALUATE ROUSS FIRS, SU		0 - 0 - 79525 1/2″ 90 PRD-PRESS ELBOW WITH 1/2"NPT FEMALE CONNECTION, VIEGA.	4 0	0 - 0 - SLPCON-03FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN END TO END HOODS WITH LESS THAN A 2' GAP. KIT CONTAINS 5 FEET OF BLACK MG WIRE, 5 FEET OF TAN MG WIRE, 3 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.
0 0	2	0 - 0 - 79580 1/2″ X 1/2″ PRO-PRESS TEE X 1/2"NPT FEMALE CONNECTION, ∨IEGA.	6 0	0 - 0 - SLPCON-05FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN END TO END HOODS WITH LESS THAN A 4' GAP. KIT CONTAINS 7 FEET OF BLACK MG WIRE, 7 FEET OF TAN MG WIRE, 5 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.
$ \begin{bmatrix} 1 & 0 & - & 0 & - & 87-300001-001 TANK & - PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION. & 6 & 0 \\ 0 & - & 0 & - & 87-300030-001 PRIMARY ACTUATIOR KIT (PAK) & - ACTUATIOR AND RELEASE SOLENDID & 2 & 0 \\ 0 & - & 0 & - & 87-300030-001 PRIMARY ACTUATIOR KIT (PAK) & - ACTUATIOR AND RELEASE SOLENDID & 2 & 0 \\ 0 & - & 0 & - & 87-300132-001 PRIMARY ACTUATIOR KIT (PAK) & - ACTUATIOR AND RELEASE SOLENDID & 24 & 0 \\ 0 & - & 0 & - & 87-300132-001 PRIMARY ACTUATIOR KIT (PAK) & - ACTUATIOR AND RELEASE SOLENDID & 24 & 0 \\ 0 & - & 0 & - & 87-300132-001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION. & 24 & 0 \\ 0 & - & 0 & - & 98694a115 HARDWARE, DATANKLOCK LIDCKING BRACKET SQUARE NUTS 5/16' ZINC, TANK & 12 & 0 \\ 0 & - & 0 & - & 40034332 JUNCTION BOX FOR MANUAL PULL STATION. 15' DEEP BACK BOX, RED COLOR. & 2 & 0 \\ \hline & 0 & 0 & - & 0 & - & 0 & 0 & - & 0 & 0$		0 - 0 - 87-120042-001 SECONDARY ACTUATOR VALVE (SVA) - SINGLE ACTUATOR, REQUIRES PRIMARY RELEASE ACTUATOR, TANK FIRE SUPPRESSION.	4 0	0 - 0 - SLPCON-40FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN HOODS WITH UPTO 39' GAP. KIT CONTAINS 42 FEET OF BLACK MG WIRE, 42 FEET OF TAN MG WIRE, 40 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.
$\left(\begin{array}{c} 0 - 0 - 87-30001 - 001 TANK - PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION. \\ 0 - 0 - 87-30003 - 001 PRIMARY ACTUATOR KIT (PAK) - ACTUATOR AND RELEASE SOLENDID \\ ASSEMBLY, DIK NEEDED PER FIRE SYSTEM, SUPERVISED, TANK FIRE SUPPRESSION. \\ 0 - 0 - 87-300152 - 001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION. \\ 0 - 0 - 8654A115 HARDWARE, DATANKLOCK LOCKING BRACKET SOUARE NUTS 5/16' ZINC, TANK I 2 0 \\ 0 - 0 - 40034332 JUNCTION BOX FOR MANUAL PULL STATION. 15' DEEP BACK BOX, RED COLOR. 2 0$		U - U - 87-120045-001 HUSE, SECUNDARY ACTUATOR HOSE, 7.5" BRAIDED STAINLESS STEEL, TANK FIRE SUPPRESSION.	4 0	0 0 - 0 - TANK STRAP TANK STRAP - USED FOR TANK FIRE SUPPRESSION. 18 0
0 - 0 - 87-30030-001 FKIMAKT ACTUATUK KIT (PAK) - ACTUATUK AND KELEASE SULENUID 2 0 0 - 0 - VK-283952-000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION. 6 0 0 - 0 - 87-300152-001 HARDWARE, SVA BULTS, TANK FIRE SUPPRESSION. 24 0 34 - 34 - A0034331 24VDC SINGLE ACTUATUM MANUAL ACTUATION DEVICE (PUSH/PULL STATION) 2 0 0 - 0 - 986944115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16' ZINC, TANK 12 0 ADDITIONAL PARTS TO BE DETERMINED 5 5 5 0 - 0 - A0034332 JUNCTION BOX FOR MANUAL PULL STATION. 1.5' DEEP BACK BOX, RED COLOR. 2 0 4DDITIONAL PARTS TO BE DETERMINED 5 5		0 - 0 - 87-300001-001 TANK - PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.	6 0	0 CABINETS, TANK FIRE SUPPRESSION.
0 - 0 - 87-300152-001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION. 24 0 34 - 34 - A0034331 24 V DC SINGLE ACTION MANUAL ACTIONTION DEVICe (PUSH/PULL STATION) 2 0 0 - 0 - 98694A115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16' ZINC, TANK 12 0 ADDITIONAL PARTS TO BE DETERMINED 2 0 0 - 0 - A0034332 JUNCTION BOX FOR MANUAL PULL STATION. 1.5' DEEP BACK BOX, RED COLOR. 2 0 2 0		ASSEMBLY, DNE NEEDED PER FIRE SYSTEM, SUPERVISED, TANK FIRE SUPPRESSION.	2 0	0 0 - 0 - WK-283952-000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION. 6 0
Image: Indiang wake, balankluck lucking bracket square nuts 5/16* ZINC, TANK 12 0 ADDITIONAL PARTS TO BE DETERMINED FIRE SUPPRESSION. 0 - 0 - A0034332 JUNCTION BOX FOR MANUAL PULL STATION. 1.5* DEEP BACK BOX, RED COLOR. 2 0		0 - 0 - 87-300152-001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.	24 0	0 34 - 34 - A0034331 24V JC SINGLE ACTION MANUAL ACTUATION JEVICE (PUSH/PULL STATION) 2 0 WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT. RED COLOR. 2 0
U U - HUUSHSSE JUNCTILIN DLA FLIK MINIONE FULL STATILIN, IJ DEEF DAUN DLA, KED ULLUK, EU ULLUK,		U - U - 70074AIIJ HAKUWAKE, DATANKLULK LULKING BKAUKET SQUARE NUTS 5/16" ZINU, TANK FIRE SUPPRESSION.	12 0	0 ADDITIONAL PARTS TO BE DETERMINED
		V HUUSTOOL JUNUTIUN DUA FUR MANUAL FULL STATIUN, 1.3" DEEP BAUK BUX, RED UULUR.		

A			
в		P	
С		Chited THY P. HUI DCIATES, IN	Cts FF & NC.
	Timothy 519 McHenry Ph: (209) 571-	P. Huff, AIA Arc Ave., Modesto, 2232 Fax: (209 SED ARCH	hitect CA 95354 0) 571-1936
D	STRIC	0F CALIFOR	
E	Copyright 2024 -	Timothy P. Huff eXu, gineerin,	& Associates
F	1400 Lone Modesto, C Tel: 209.57 <u>w w w . n e</u> HVAC . Plu Process/Pla	Palm Ave, Suite A CA 95351 (2.7399 Fax: 209.2 <u>x u s e n g i n e e r i r</u> mbing/Piping . Fire S nt Engineering . Refri	36.1579 <u>ng.net</u> prinklers geration
	T REDUCTION	1 EN 14 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
G		Consultants	ý
н			
1	ol Food 1		z
	SCHO	TRICT	ORMATIO
J	HIGH	CHOOL DIST	100D INF(
	ALON NCE (SEMITE AVE V, CA 95320 V UNIFIED S	NICAL - F
1	らШ	YO5 ALOr ALOr	∀ H
ĸ	ES(SCI	1528 ESC/ ESC/	MEO
ĸ	Project Number Date Drawn by	1528 ESC/ ESC/	2321 7/5/24 DW

	AUST FAN INFORMATION - JOB#7092302		A
	TAG QTY FAN UNIT MODEL # MANUFACTURER CFM ESP RPM MOTOR ENCL	P BHP PHASE VOLT FLA DISCHARGE WEIGHT SONES	
	KEF-1 1 DU85HFA CAPTIVEAIRE 2100 1.300 1575 TEAD-ECM 1	00 0.7060 1 208 6.9 665 FPM 94 16.4	
	KEF-2 1 DU180HFA CAPTIVEAIRE 2583 1.148 1135 TEFC,PREMIUM 1 KEF-3 1 DU180HFA CAPTIVEAIRE 2625 1.185 1154 TEFC,PREMIUM 1	100 1.0440 3 208 6.5 597 FPM 181 13.1 100 1.0960 3 208 8.5 606 FPM 143 13.7	
	KEF-4 1 DU180HFA CAPTIVEAIRE 2583 1.148 1135 TEAD-ECM 2	100 1.0440 1 208 15.5 597 FPM 143 13.1	
	KEF-5 1 DU180HFA CAPTIVEAIRE 2583 1.148 1135 TEAD-ECM 2	100 1.0440 1 208 15.5 597 FPM 143 13.1	В
	KEF-6 1 DU180HFA CAPTIVEAIRE 2625 1.185 1154 TEFC,PREMIUM 1	1.0960 3 208 6.5 606 FPM 181 13.7 100 1.0440 4 200 45.5 502 FDM 141 13.7	
	$\begin{bmatrix} KEF -7 & I \end{bmatrix} \qquad DUISUHFA \qquad \begin{bmatrix} CAPTIVEAIRE \\ 2583 & I.148 & II35 & TEAD-ECM \\ FAN INFORMATION - IOR#7092302 \end{bmatrix}$	JUU I.U44U I 208 IS.S S97 FPM I43 I3.I	
	TAG QTY FAN UNIT MODEL # BLOWER HOUSING MIN DESIGN ESP RPM	MOTOR HP BHP PHASE VOLT FLA MCA MOCP FLOW RATE ENTERING DB ENTERING WB LEAVING DB LEAVING WB (LDD)	
	СЕМ СЕМ СЕМ	ENCL Gal/Hr TEMP TEMP TEMP TEMP AΠ-ECM 2000 0.4890 1 208 155 200 326 98.0°F 57.0°F 69.0°F 719 88	
	MUA-2 1 A4-30D 30ME-4-MED A4 6000 7012 0.500 917 UT		TIMOTHY P. F ASSOCIATES
	MUA-2 1 A4-30D SOME-4-MED A4 6000 7012 0.500 917 EI		Timothy P. Huff, AIA 519 McHenry Ave., Mode Ph: (200) 571 2232 - Eax
	$\begin{bmatrix} MUA-3 & I \\ 0.500 & 517 \\ $	CURP ASSEMBLIES	FII. (209) 571-2252 FAX.
		ND DN WEIGHT ITEM SIZE	CLAND HY PAUL
	1 GREASE BOX	Image: PAN Image:	D No. C 1552
	1 FAN BASE CERAMIC SEAL - DU/DR85HFA - INSTALLED AT PLANT - FOR GREASE DUCTS 1 ECM WIRING PACKAGE - PWM SIGNAL FROM ECPMO3 PREWIRE (TELCO MOTOR), CCW ROTATION	2 # 2 43 LBS CURB 26.500" × 26.500" × 20.000" + VENTED HINGED. 3 # 3 43 LBS CURB 26.500" × 26.500" × 20.000" + VENTED HINGED.	FIL CELLU
	1 2 YEAR PARTS WARRANTY	4 # 4 43 LBS CURB 26.500" V X 26.500" L X 20.000" H VENTED HINGED. 5 # 5 43 LBS CURB 26.500" V X 26.500" L X 20.000" H VENTED HINGED.	Or CALL
	1 FAN BASE CERAMIC SEAL - DU/DR180HFA - INSTALLED AT PLANT - FOR GREASE DUCTS	6 # 6 43 LBS CURB 26.500*L X 20.000*H VENTED HINGED.	Copyright 2024 - Limothy P.
	I C YEAR PARIS WARRANTY 1 GREASE BOX	/ # / 43 LBS CURB 26.500*W X 26.500*L X 20.000*H VENTED HINGED. 8 # 8 55 LBS CURB 31.000*W X 31.000*L X 20.000*H. VENTED HINGED.	
	1 FAN BASE CERAMIC SEAL - DU/DR180HFA - INSTALLED AT PLANT - FOR GREASE DUCTS 1 ECM WIRING PACKAGE - PWM SIGNAL FROM ECPMD3 PREWIRE (TELCO MOTOR), CCW ROTATION	# 8 RAIL 4.000"W X 4.000"L X 36.000"H. # 8 RAIL 4.000"W X 4.000"L X 36.000"H.	E neXi
	1 2 YEAR PARTS WARRANTY 1 GREASE BOX	9 # 9 66 LBS CURB 42.000" V X 42.000" L X 20.000" H. - # 9 RAIL 4.000" V X 4.000" L X 36.000" H.	
	1 FAN BASE CERAMIC SEAL - DU/DR180HFA - INSTALLED AT PLANT - FOR GREASE DUCTS	# 9 RAIL 4.000" V X 4.000" L X 36.000" H. 10 # 10 66 L BS CUBB 42.000" V X 42.000" L X 20.000" H.	engineer
	1 2 YEAR PARTS WARRANTY	# 10 RAIL 4.000" V X 4.000" L X 36.000" H. # 10 RAIL 4.000" V X 4.000" L X 36.000" H.	Consulting Mechanica 1400 Lone Palm Ave, Sui Modesto, CA 95351
	I GREASE BUX 1 FAN BASE CERAMIC SEAL - DU/DR180HFA - INSTALLED AT PLANT - FOR GREASE DUCTS		Tel: 209.572.7399 Fax: 2 www.nexusengine
 	1 ECM WIRING PACKAGE - PWM SIGNAL FROM ECPMO3 PREWIRE (TELCO MOTOR), CCW ROTATION 1 2 YEAR PARTS WARRANTY	EAN SOUND DATA OCTAVE BAND SOUND DATA	F HVAC . Plumbing/Piping . Process/Plant Engineering
	1 GREASE BOX 1 FAN BASE CERAMIC SEAL - DU/DR180HFA - INSTALLED AT PLANT - FOR GREASE DUCTS	UNIT TAG MOTOR SONES DBA DISTANCE 63 HZ 125 HZ 250 HZ 500 HZ 1 KHZ 2 KHZ 4 KHZ 0 KHZ	PROFESSION - S. EN LAL
	1 2 YEAR PARTS WARRANTY	Line Line <thline< th=""> Line Line <thl< td=""><td></td></thl<></thline<>	
 	1 FAN BASE CERAMIC SEAL - DU/DR180HFA - INSTALLED AT PLANT - FOR GREASE DUCTS	2 EXHAUST 76.6 13.1059914264621 65.1 5 73.5 78.5 82.9 72 66.9 64.9 59.2 53.7 3 EXHAUST 77.2 13.6629773163769 65.7 5 73.6 73.5 73.5 73.5 73.5 73.5 73.5 73.5 53.7	
	I LUM WIRING PACKAGE - PWM SIGNAL FRUM ECPMD3 PREWIRE (TELCO MOTOR), CCW ROTATION 1 2 YEAR PARTS WARRANTY	3 EXTROST 77.2 13.002.07/3103700 60.7 5 73.0 77.0 83.7 72.3 67.1 59.4 54 4 EXHAUST 76.6 13.1059914264621 65.1 5 73.5 78.5 82.9 72 66.9 64.9 59.2 53.7	OF CALIF
0 1 <td>1SIZE 2 UNTEMPERED COMMERCIAL DOWN DISCHARGE FOR DIRECT DRIVE AHUS1EVAPORATIVE COOLER WIRING HARNESS</td> <td>D EXHAUST /6.6 13.1039914264621 65.1 5 /3.5 /8.5 82.9 /2 66.9 64.9 59.2 53.7 6 EXHAUST 77.2 13.6628773163768 65.7 5 73.6 77.9 83.7 72.5 67.1 65.1 59.4 54</td> <td></td>	1SIZE 2 UNTEMPERED COMMERCIAL DOWN DISCHARGE FOR DIRECT DRIVE AHUS1EVAPORATIVE COOLER WIRING HARNESS	D EXHAUST /6.6 13.1039914264621 65.1 5 /3.5 /8.5 82.9 /2 66.9 64.9 59.2 53.7 6 EXHAUST 77.2 13.6628773163768 65.7 5 73.6 77.9 83.7 72.5 67.1 65.1 59.4 54	
1 1	1INSULATED BLOWER SECTION SIZE 1-2 COMMERCIAL1INSULATION OPTION FOR VBANK FILTER SECTION	7 EXHAUST 76.6 13.1059914264621 65.1 5 73.5 78.5 82.9 72 66.9 64.9 59.2 53.7 8 SUPPLY 70.9 8.82639039427919 59.4 5 70.1 74.8 71.2 68.3 64.9 54.9 54.7	
	1 ECM WIRING PACKAGE - DD SUPPLY - PWM SIGNAL FROM ECPMO3 PREWIRE (TELCO MOTOR)	9 SUPPLY 79.5 16.0257837124138 68 5 87.9 86.4 79.5 76.8 73.5 70.1 66.5 63.7 10 SUPPLY 79.5 16.0257837124138 68 5 87.9 86.4 79.5 76.8 73.5 70.1 66.5 63.7	
Image: Section 2014 Section	1 SIZE 4 UNTEMPERED COMMERCIAL DOWN DISCHARGE FOR DIRECT DRIVE AHUS		
Image: State And State And State And State And And State And And State And	1 EVAPURATIVE CODER WIRING HARNESS 1 INSULATED BLOWER SECTION SIZE 4 COMMERCIAL MODULAR		н
	1 INSULATION OPTION FOR VBANK FILTER SECTION 1 SEPARATE 120V WIRING PACKAGE (REQUIRED AND USED ONLY FOR DCV OR PREWIRE WITH		
	' VFD> - THREE PHASE ONLY 1 2 YEAR PARTS WARRANTY		
	1 SIZE 4 UNTEMPERED COMMERCIAL DOWN DISCHARGE FOR DIRECT DRIVE AHUS 1 EVAPORATIVE COOLER WIRING HARNESS		
 	1 INSULATED BLOWER SECTION SIZE 4 COMMERCIAL MODULAR		ŏ
	1 SEPARATE 120V VIRING PACKAGE (REQUIRED AND USED ONLY FOR DOV OR PREWIRE WITH 1 VED) - THREE PHASE ONLY		
	1 2 YEAR PARTS WARRANTY		
	ACCESSORIES		
Image: Deleved converting with the converting withe converting with the converting with the converting with the con	TAG		し い の
Example 1 Construction C	GREASE GRAVITY WALL SIDE GRAVITY MOTORIZED WALL CUP DAMPER MOUNT DISCHARGE DAMPER DAMPER MOUNT		S L S L S
1 YIS 1 1 1 4 YES 1 1 1 5 YES 1 1 1 1 YES 1 1 1 1 YES 1 1 1 1 YES 1 1 1	YES YES		A G L
1 1	YES YES		
3 13 Image: Compare to the tot to the tot tot tot tot tot tot tot tot tot to	YES YES		
K SSS SSS SSS Project Number Date Drawn by Checked by L	YES YES		
K Ø Ø Ø Project Number Date Drawn by Checked by L			
L			CCI SC
Project Number Date Drawn by Checked by			ш ²⁵ Esc
L Date Drawn by Checked by L			Project Number
			Date
			Drawn by
			Drawn by Checked by

<u>FANS #2 THRU #7 - DU180HFA EXHAUST FAN</u>

3 2 1	
	A
EATORES: RECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS). IOF MOUNTED FANS.	
STAURANT MODEL. .705 AND UL762 AND ULC-S645 ARIABLE SPEED CONTROL. TERNAL WIRING	В
IERMAL OVERLOAD PROTECTION (SINGLE PHASE). GH HEAT OPERATION 300°F (149°C). EEASE CLASSIFICATION TESTING.	
MA 3R SAFETY DISCONNECT SWITCH. RMAL TEMPERATURE TEST HAUST FAN MUST OPERATE CONTINUOUSLY	
ILE EXHAUSTING AIR AT 300°F (149°C) TIL ALL FAN PARTS HAVE REACHED ERMAL EQUILIBRIUM, AND WITHDUT ANY TERIDRATING EFFECTS TO THE FAN WHICH	с
ULD CAUSE UNSAFE DPERATION. NORMAL FLARE-UP TEST HAUST FAN MUST DPERATE CONTINUDUSLY	
ILE EXHAUSTING BURNING GREASE VAPORS 600°F (316°C) FOR A PERIOD OF MINUTES WITHOUT THE FAN BECOMING 1AGED TO ANY EXTENT THAT COULD CAUSE	
UNSAFE CONDITION.	D
GREASE BDX. FAN BASE CERAMIC SEAL - DU/DR180HFA INSTALLED AT PLANT - FDR GREASE UCTS. 2 YEAR PARTS WARRANTY	
	E
26 1/2" HINGE KIT	
VENTED CURB.	F
20 GAUGE STEEL CONSTRUCTION	
- 3" FLANGE.	G
RODF OPENING	
26" 26" DIMENSIONS.	
	н
	1
	J
	к
	L

Copyright 2024 -	Consultants	Signeers
ESCALON HIGH SCHOOL FOOD SCIENCE CLASSROOM	1528 YOSEMITE AVE. ESCALON, CA 95320 ESCALON UNIFIED SCHOOL DISTRICT	MECHANICAL - HOOD INFORMATION
Project Number Date Drawn by Checked by Plot Date & Time	/14.8	2321 7/5/24 DW GL




C I G H I L 4 3 | 1





				<u> </u>
				в
				С
				E
				F
				G
				н
				I
				J
				к
				L
1	3	2	1	
	-	_		

5

4

4

3

2



3	2	1		
			В	
				architects
			с	TIMOTHY P. HUFF &
				Timothy P. Huff, AIA Architect 519 McHenry Ave., Modesto, CA 95354
				Ph: (209) 571-2232 Fax: (209) 571-1936
				SCHOTHY PAU PAU
			D	No. C 15527 ★ 0 REN: 5/25 ▼
				PAR OF CALLED
				Copyright 2024 - Timothy P. Huff & Associates
			E	noVue
				engineering
				Consulting Mechanical Engineers 1400 Lone Palm Ave, Suite A Modesto, CA 95351
			F	www.nexusengineering.net HVAC.Plumbing/Piping.FireSprinklers
				Process/Plant Engineering . Refrigeration
				A DO THE AND THE
			G	THE OF CALIFORNIA
			0	Consultants
				Õ L
				FOR STRIC
			J	AS AS
				O 95320 95320 3 L -
			к	CHA CHA
				RESC ESC ESC ESC ESC
				Project Number 2321 Date 7/5/24
				Drawn by DW
			L	
3	2	1	-	



arc TIMO ASSO Timothy 519 McHenry Ph: (209) 571-	CIATES, IN P. Huff, AIA Arc Ave., Modesto, 2232 Fax: (209	Sts F & NC. hitect CA 95354 0) 571-1936	
Copyright 2024 - Copyright 2024 - Consulting 1400 Lone Modesto, C Tel: 209.57 WWW.nex HVAC.Plur Process/Plar	Copyright 2024 - Timothy P. Huff & Associates Image: Copyright 2024		
OL FOOD	Consultants		
ESCALON HIGH SCHOC SCIENCE CLASSROOM	1528 YOSEMITE AVE. ESCALON, CA 95320 ESCALON UNIFIED SCHOOL DISTRICT	MECHANICAL - HOOD INFORMATION 5321 7/5/24	
Drawn by Checked by Norther Stress Plot Date & Time	4.1 2	DW GL 2	

an Wiring	JDB 7092	2302 - Escalon H	S Culinary Classro	pom
R EXH7092302-4	SHIP DATE 10/	14/2024 MODEL	DU180HFA	
EXH7092302-4	SHIP DATE 10,		DU180HFA	Installed Dptions Lakel Description Lakel Description MT-01 Fan Motor SW-01 Main disconnect switch SW-01 Main disconnect switch SW-01 Main disconnect switch Component Identification Location MT-01 Fan Motor Component Switch Component Switch </td
				BR - BROWN GY - GRAY DR - DRANGE PR - PURPLE RO - RED PK - PINK VH - VHITE





Copyright 2024	Consultants	S a Associates S a Associates S a Associates a Associates a Associates
ESCALON HIGH SCHOOL FOOD SCIENCE CLASSROOM	1528 YOSEMITE AVE. ESCALON, CA 95320 ESCALON UNIFIED SCHOOL DISTRICT	MECHANICAL - HOOD INFORMATION 5351
Date Drawn by Checked by	14.1:	7/5/24 DW GL



7/5/24

DW

GL







24VDC Light Relay 34.110.0188.0











	3	2	1		
IRING IC ARDS				A	
24 VDC RELAY					
S. 24VDC Ha−iC Y DPDT				В	
ht Relay 180					
					architects
tule				С	TIMOTHY P. HUFF & ASSOCIATES, INC. Timothy P. Huff, AIA Architect
					519 McHenry Ave., Modesto, CA 95354 Ph: (209) 571-2232 Fax: (209) 571-1936
TRING VIRING YELLDW GREY FURPLE TRI GREEN IFF				П	Mo. C 15527 ★
IPE IPE Lulin				2	OF CALIFOR
ERATION Ins, 2 st on t in te					Copyright 2024 - Timothy P. Huff & Associates
IRTER DR WITH rature e Motor; juld sor field				E	neXus
MN BY 14/2024 9					engineering
CTORY WIRING SCHEMATIC					Consulting Mechanical Engineers 1400 Lone Palm Ave, Suite A Modesto, CA 95351 Tel: 209 572 7399 Eax: 209 236 1579
VAC 24 VDC AY RELAY				F	www.nexusengineering.net HVAC . Plumbing/Piping . Fire Sprinklers Process/Plant Engineering . Refrigeration
4 3 2 1 8 7 6 5 00L 8 7 6 5 00L 8 7 6 5					PROFESSION AT THE
L DESCRIPTION MANUAL ACTIVATION IEVICE 2 CORE PCB PCBCORE-APP 2 CORE POWER SUPPLY 166-KLP-60E Vater Solenoid Vater Solenoid					The CHANICA THE
5 24V Red Ind. Light VL-109001-28V AUSIDE Level Sensor AUSIDE Alarn SCEI20LASPHB CPrime/Reset Switch ZBABA2/ZE4BZ1015				G	Consultants
Z2BSAD2 Switch Z2BSAD2 Switch BZ-2RSU-A2 Surfactant Pump S0000-805 24 V DC Gas Valve varles Duct Fire Sensor Duct Fire Sensor					
5 24V YLW Ind. Light VL-109003-28V Renote Pull(/Push Station STI-SS243) 01 24VDC Power Suppl 24VDC Power Suppl 24VDC Phoenix Relay PLC-RPT-24DC/21					
				Н	
- FIELD WIRING - FACTORY WIRING BLACK YW- YELLOW BLUE GY- GREY BROWN PR- PURPLE ORANGE RO- GED WHITE GR- GREN L- DR/AB. STRIPE					
2D- BL/RD STRIPE N- RD/GN STRIPE BL- WH/BL STRIPE DB NAME Calon HS Culin				I	Ŏ Ľ
V-6211 RIPTION OF OPERATION System #2 TANK FS /40/40 / Remote - 0/40.					
					SCH ROC ROC
NO DRAWN BY 2302 DATE TIRY 10/14/2024 NOECP #2-11				J	GH S ASS
					- HOOI
					ALO NCE NCE CA 953 , CA 953 UNIFIEI VICAL
				к	SCALON SCALON SCALON SCALON
					Ш V ? ☆ й й ≥ Project Number 2321
					Date7/5/24Drawn byDWChecked byGL
				L	M4.18
	3	2	1		Plot Date & Time



1	0				4	
	3	2			1	
						E
					_	(
						Γ
Du ins ris Se be Ele	ict Temp stalled in ser, All msons ar wired b ectrical	Sensor every Duct Te nd Hood ack to Control	to be exhau mp Light SC-EM Box,	e ist s to S		E
Crease Burt (Dxternal Surface) -1 1/8" - 1 1/4" Baneter Hole -1/2" Quik Seal Q.ock Vasher) 	Room	override	Therr 3,25"	nostat		F
REST	Ring Cover Ring Cover	rature different and duct. Instal vall, 5'-6' off th bace but not dir or close to an a ectrical control g is accurate fo	ial between - led by elect ectly under ppliance (incl box) so the or space.	the rician oor, in the luding		C
						ŀ
					-	1
						ŀ
						L
	3	2			1	

ASSO TIMO ASSO Timothy 519 McHenry Ph: (209) 571-	CIATES, II P. Huff, AIA Arc Ave., Modesto, 2232 Fax: (209 SED ARCH No: C 15527 REN. 5/25 OF CALIFO OF CALIFO DF CALIFO	FF & NC. shitect CA 95354 b) 571-1936
Consulting 1400 Lone Modesto, C Tel: 209.57 www.ne HVAC. Plut Process/Plat	Consultants	S gineers 36.1579 ng.net Sprinklers igeration
ESCALON HIGH SCHOOL FOOD SCIENCE CLASSROOM	1528 YOSEMITE AVE. ESCALON, CA 95320 ESCALON UNIFIED SCHOOL DISTRICT	MECHANICAL - HOOD INFORMATION
Project Number Date Drawn by Checked by N Plot Date & Tim	1 4.1 9	2321 7/5/24 DW GL

	DW14DWCLASY-2R-S	
TOTAL WEIGHT		

PART #

DW18DWRISER-2R-S

DW1447DWLT-2R-S

DW1447DWLT-2R-S

DW1435DWLT-2R-S

DW18DWRISER-2R-S

3M-2000PLUS

DW1447DWAJDTP-2R-S 2100

CFM

2100

2100

2100

2100

2100

GPM

DOUBLE WALL FACTORY BUILT DUCTWORK

- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW. - FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE ENTIRE INSTALLATION AND OPERATION MANUAL - DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR. - WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16" PER LINEAR FOOT.

HORIZONTAL				
DUCT DIAMETER	SUPPORT SPACING (FT)			
5″	7′			
6″	7′			
7″	7′			
8″	7′			
10″	7′			
12″	7′			
14″	7′			
16″	7′			
18″	5′			
20″	5′			
22″	5′			
24″	5′			
26″	5′			
28″	5′			
30″	5′			
32″	5′			
34″	5′			
36″	5′			

14

15

13

	VERI	ICAL	
TYPE	WALL SUPPERT (FT)	CURB SUPPERT (FT)	FLOOR SUPPORT (FT)
2R & 2R HT (5"-16")	20′	24′	24′
2R (18")	18′	24′	24′
3R & 3Z (5″-24″)	10′	24′	24′
3Z (26″ -36″)	10'	20′	20′

11

12

DO NOT LEAK TEST USING SMOKE BOMBS CONTAINING CHLORINES/CHLORIDES, CONSULT WITH CAPTIVEAIRE FOR PROPER LEAK TESTING METHODS.

С

15

TAG

H1-E1

P1

P2

P3

Ρ4

ASSEMBLED W/P5

P5

SYSTEM AT P5

RC1

ASSEMBLED W/P4 D=B DW2314TPDBEX

13 12 11

303.89

ZONE COVEREDBY SP

	DUCTWORK	K #1 PA	IRTS –	<i>J0B</i> #70	923	02 DOUBLE WALL
E	COVEREDBY	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION
		-1.0545	8.15	0.00	1	DOUBLE WALL RISER COVER - USED ON 14" INNER RISER, 4" LONG - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
		-0.027	62.39	1964.43	1	DOUBLE WALL DUCT - 14″ INNER DUCT, 47″ LONG - 2 LAYERS REDUCED CLEARANCE - 18″ STAINLESS STEEL DUTER SHELL.
		-0.027	62.39	1964.43	1	DOUBLE WALL DUCT – 14″ INNER DUCT, 47″ LONG – 2 LAYERS REDUCED CLEARANCE – 18″ STAINLESS STEEL DUTER SHELL.
		-0.0201	46.53	1964.43	1	DOUBLE WALL DUCT – 14″ INNER DUCT, 35″ LONG – 2 LAYERS REDUCED CLEARANCE – 18″ STAINLESS STEEL DUTER SHELL.
		-0.0149	93.06	1964.43	1	DOUBLE WALL ADJUSTABLE DUCT TRANSITION PLATE - 14" INNER DUCT - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11" / MAX LENGTH = 48.5" / ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
			8.00	1964.43	1	DUCT TO CURB TRANSITION 3/4" DOWN TURN, 23" CURB TO 14" DUCT, 16 GA ALUMINIZED. USED ON NCA14FA & NCA14HPFA. TRANSITION PLATE OD IS 23.5" DESIGNED FOR USE WITH EXHAUST FAN.
		-1.1435	0.00			
			8.15		1	DOUBLE WALL RISER COVER - USED ON 14" INNER RISER, 4" LONG - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
			0.80		1	DUCT – 3M FIRE BARRIER 2000 PLUS SILICONE – USED AS SEALANT TO SEAL DUCT JOINTS.
			7.21		2	DUCT - 14″ DUCT - 18″ DOUBLE ″∨″ CLAMP - 2R INSULATION & SINGLE ″∨″ CLAMP INCLUDED - REDUCED CLEARANCE.
			202.00			

8

7

6

5

4

3

2

2

| 1

1

9









-									
	ΤΔG	PART #	CEM	GPM	DUCTWORK #2 P	$\frac{4RTS}{1}$		<i>230</i> оту	DESCRIPTION
I					CUVEREDBT SP	WEIGHT	VELUCIT		DOUBLE WALL RISER COVER - USED ON 16" INNER RIS
	H2-E1	DW20DWRISER-2R-S	2583		-0.9705	8.36	0.00	1	CLEARANCE – 20" STAINLESS STEEL DUTER RISER SHE SINGLE V CLAMPS FOR INNER & DUTER CONNECTIONS.
	H3-E1	DW20DWRISER-2R-S	2625		-1.002	8.36	0.00	1	DDUBLE WALL RISER COVER - USED ON 16" INNER RIS CLEARANCE - 20" STAINLESS STEEL OUTER RISER SHE SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
	H4-E1	DW20DWRISER-2R-S	2583		-0.9705	8.36	0.00	1	DUBLE WALL RISER COVER - USED ON 16" INNER RIS CLEARANCE - 20" STAINLESS STEEL OUTER RISER SHE
								_	SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS. DOUBLE WALL RISER COVER - USED ON 16" INNER RIS
	H5-E1	DW20DWRISER-2R-S	2583		-0.9705	8.36	0.00	1	CLEARANCE - 20" STAINLESS STEEL DUTER RISER SHE SINGLE V CLAMPS FOR INNER & DUTER CONNECTIONS.
	H6-E1	DW20DWRISER-2R-S	2625		-1.002	8.36	0.00	1	DDUBLE WALL RISER COVER - USED ON 16" INNER RIS CLEARANCE - 20" STAINLESS STEEL OUTER RISER SHE
	H7-F1		2583		-0.9705	8 36	0.00	1	DOUBLE WALL RISER COVER - USED ON 16" INNER RIS
			2500					-	SINGLE \lor CLAMPS FOR INNER & OUTER CONNECTIONS. DOUBLE WALL DUCT - 16" INNER DUCT, 47" LONG - 2
I	P1	DW1647DWL1-2R-S	2583		-0.0211	70.12	1849.94	1	STAINLESS STEEL DUTER SHELL. DOUBLE WALL DUCT - 16" INNER DUCT, 47" LONG - 2
		DW1647DWL1-2R-S	2583		-0.0211	52.26	1849,94	1	STAINLESS STEEL DUTER SHELL. DDUBLE WALL DUCT - 16" INNER DUCT, 35" LONG - 2
	P3	DM1632DMF1-5K-2	2083		-0.0157	52.26	1849,94	1	STAINLESS STEEL DUTER SHELL.
I		DW1647DWAJDTP-2R-S	2583		-0.0112	102.54	1849.94	1	CLEARANCE - 20" STAINLESS STEEL DUTER SHELL. M / ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY N
I	ASSEMBLED M/62								INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
	P5	DW2616TPDBEX	2583			9.00	1849.94	1	DUCT TO CURB TRANSITION 3/4" DOWN TURN, 26 1/2" USED ON NCA16FA / NCA16HPFA & NCA18FA / NCA18HP
	SYSTEM AT P5				-1.0395	0.00			DESIGNED FOR USE WITH EXHAUST FAN.
	P6	DW1647DWLT-2R-S	2583		-0.0211	70.12	1849.94	1	DDUBLE WALL DUCT - 16" INNER DUCT, 47" LONG - 2 STAINLESS STEEL DUTER SHELL.
	P7	DW1647DWLT-2R-S	2583		-0.0211	70.12	1849.94	1	DOUBLE WALL DUCT - 16" INNER DUCT, 47" LONG - 2 STAINLESS STEEL DUTER SHELL.
	P8	DW1635DWLT-2R-S	2583		-0.0157	52.26	1849.94	1	DOUBLE WALL DUCT - 16" INNER DUCT, 35" LONG - 2 STAINLESS STEEL OUTER SHELL.
									DOUBLE WALL ADJUSTABLE DUCT TRANSITION PLATE -
	P9 ASSEMBLED W/P10	DW1647DWAJDTP-2R-S	2583		-0.0112	102.54	1849.94	1	/ ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY N
I									INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
	P10 ASSEMBLED W/P9 D=B	DW2616TPDBEX	2583			9.00	1849.94	1	USED ON NCA16FA / NCA16HPFA & NCA18FA / NCA18HP DESIGNED FOR USE WITH EXHAUST FAN.
I	SYSTEM AT P10				-1.0395	0.00			$\frac{1}{10000000000000000000000000000000000$
ſ	P11	DW1647DWL1-2R-S	2625		-0.0217	70.12	1880.02	1	STAINLESS STEEL DUTER SHELL. DOUBLE WALL DUCT - 16" INNER DUCT, 47" LONG - 2
I	P12	DW1647DWL1-2R-S	2620			52.20	1880.02	1	STAINLESS STEEL DUTER SHELL. DDUBLE WALL DUCT - 16" INNER DUCT, 35" LONG - 2
	F15	DW1633DWL1-5K-2			-0.0161		1880.02	1	STAINLESS STEEL DUTER SHELL.
		DW1647DWAJDTP-2R-S	2625		-0.0115	102.54	1880.02	1	CLEARANCE - 20" STAINLESS STEEL DUTER SHELL. M / ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY N
	ASSEMBLED W/FIS								INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
ſ		DW2616TPDBEX	2625			9.00	1880.02	1	DUCT TO CURB TRANSITION 3/4" DOWN TURN, 26 1/2" USED ON NCA16FA / NCA16HPFA & NCA18FA / NCA18HP
ſ	SYSTEM AT P15				-1.073	0.00			DESIGNED FOR USE WITH EXHAUST FAN.
ſ	P16	DW1647DWLT-2R-S	2625		-0.0217	70.12	1880.02	1	DOUBLE WALL DUCT - 16" INNER DUCT, 47" LONG - 2 STAINLESS STEEL OUTER SHELL.
ſ	P17	DW1647DWLT-2R-S	2625		-0.0217	70.12	1880.02	1	DDUBLE WALL DUCT - 16" INNER DUCT, 47" LONG - 2 STAINLESS STEEL DUTER SHELL.
ſ	P18	DW1635DWLT-2R-S	2625		-0.0161	52.26	1880.02	1	DDUBLE WALL DUCT - 16" INNER DUCT, 35" LONG - 2 STAINLESS STEEL DUTER SHELL.
I	510								DOUBLE WALL ADJUSTABLE DUCT TRANSITION PLATE - CLEARANCE - 20" STAINLESS STEEL OUTER SHELL. M
I	ASSEMBLED W/P20	DW1647DWAJDTP-2R-S	2625		-0.0115	102.54	1880.02	1	/ ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY N
I									DUCT TO CURB TRANSITION 3/4" DOWN TURN, 26 1/2"
	ASSEMBLED W/P19 D=B	DW2616TPDBEX	2625			9.00	1880.02	1	USED DN NCA16FA / NCA16HPFA & NCA18FA / NCA18HP DESIGNED FDR USE WITH EXHAUST FAN.
	SYSTEM AT P20	ח//1647ח/// ד_סס ג	2502		-1.073	0.00	1849.94	1	DDUBLE WALL DUCT - 16" INNER DUCT, 47" LONG - 2
	P22	חשנידטישנידטאנידט DW1647DWL ד-2P-5	2583			70.12	1849.94	1	STAINLESS STEEL DUTER SHELL. DDUBLE WALL DUCT - 16" INNER DUCT, 47" LONG - 2
	P23	DW1635DWLT-2R-S	2583		-0.0157	52.26	1849.94	1	STAINLESS STEEL DUTER SHELL. DOUBLE WALL DUCT - 16" INNER DUCT, 35" LONG - 2
								-	DOUBLE WALL ADJUSTABLE DUCT TRANSITION PLATE -
	P24 ASSEMBLED W/P25	DW1647DWAJDTP-2R-S	2583		-0.0112	102.54	1849.94	1	CLEARANCE - 20" STAINLESS STEEL DUTER SHELL. M / ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY N
									INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
	P25 ASSEMBLED W/P24 D-P	DW2616TPDBEX	2583			9.00	1849.94	1	DUCT TO CURB TRANSITION 3/4" DOWN TURN, 26 1/2" USED ON NCA16FA / NCA16HPFA & NCA18FA / NCA18HP
I	SYSTEM AT P25				 -1.0395	0.00			DESIGNED FOR USE WITH EXHAUST FAN.
	P26	DW1647DWLT-2R-S	2583		 -0.0211	70.12	1849.94	1	DOUBLE WALL DUCT - 16" INNER DUCT, 47" LONG - 2 STAINLESS STEEL OUTER SHELL.
	P27	DW1647DWLT-2R-S	2583		-0.0211	70.12	1849.94	1	DDUBLE WALL DUCT - 16" INNER DUCT, 47" LONG - 2 STAINLESS STEEL DUTER SHELL.
	P28	DW1635DWLT-2R-S	2583		-0.0157	52.26	1849.94	1	DDUBLE WALL DUCT - 16" INNER DUCT, 35" LONG - 2 STAINLESS STEEL DUTER SHELL.
	D20								DDUBLE WALL ADJUSTABLE DUCT TRANSITION PLATE - CLEARANCE - 20" STAINLESS STEEL DUTER SHELL. M
	ASSEMBLED W/P30	DW1647DWAJDTP-2R-S	2583		-0.0112	102.54	1849.94	1	ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY N
1									LINCLUDES STINGLE AND DUUBLE WALL "V" ULAMPS,

14

13

11

12

10

9

8

7

6

5

4

30	2 DOUBLE WALL
ΤY	DESCRIPTION
1	DOUBLE WALL RISER COVER - USED ON 16" INNER RISER, 4" LONG - 2 LAYERS REDUCED
1	SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS,
1	CLEARANCE - 20" STAINLESS STEEL DUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
1	DOUBLE WALL RISER COVER - USED ON 16" INNER RISER, 4" LONG - 2 LAYERS REDUCED
1	SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
1	CLEARANCE - 20" STAINLESS STEEL DUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & DUTER CONNECTIONS.
1	DOUBLE WALL RISER COVER - USED ON 16" INNER RISER, 4" LONG - 2 LAYERS REDUCED CLEARANCE - 20" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION &
-	SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
1	CLEARANCE - 20" STAINLESS STEEL DUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & DUTER CONNECTIONS.
1	DOUBLE WALL DUCT - 16" INNER DUCT, 47" LONG - 2 LAYERS REDUCED CLEARANCE - 20" STAINLESS STEEL DUTER SHELL.
1	DOUBLE WALL DUCT - 16" INNER DUCT, 47" LONG - 2 LAYERS REDUCED CLEARANCE - 20" STAINLESS STEEL OUTER SHELL.
1	DOUBLE WALL DUCT - 16" INNER DUCT, 35" LONG - 2 LAYERS REDUCED CLEARANCE - 20" STAINLESS STEEL OUTER SHELL.
	DOUBLE WALL ADJUSTABLE DUCT TRANSITION PLATE - 16" INNER DUCT - 2 LAYERS REDUCED
1	CLEARANCE - 20" STAINLESS STEEL DUTER SHELL, MIN LENGTH = 11" / MAX LENGTH = 48.5" / ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT.
	INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
1	DUCT TO CURB TRANSITION 3/4" DOWN TURN, 26 1/2" CURB TO 16" DUCT, 16 GA ALUMINIZED. USED ON NCA16FA / NCA16HPFA & NCA18FA / NCA18HPFA. TRANSITION PLATE OD IS 27.00"
	DESIGNED FUR USE WITH EXHAUST FAN.
1	DOUBLE WALL DUCT - 16" INNER DUCT, 47" LONG - 2 LAYERS REDUCED CLEARANCE - 20" STAINLESS STEEL OUTER SHELL.
1	DOUBLE WALL DUCT - 16" INNER DUCT, 47" LONG - 2 LAYERS REDUCED CLEARANCE - 20" STAINLESS STEEL OUTER SHELL.
1	DOUBLE WALL DUCT - 16" INNER DUCT, 35" LONG - 2 LAYERS REDUCED CLEARANCE - 20" STAINLESS STEEL DUTER SHELL.
	DOUBLE WALL ADJUSTABLE DUCT TRANSITION PLATE - 16" INNER DUCT - 2 LAYERS REDUCED
1	/ ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT.
	INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
1	USED ON NCA16FA / NCA16HPFA & NCA18FA / NCA18HPFA. TRANSITION PLATE OD IS 27.00" DESIGNED FOR USE WITH EXHAUST FAN.
	DELETE VALUE DUCT - 16" INNER DUCT 47" LENG - 2 LAYERS REDUCED CLEARANCE - 20"
1	STAINLESS STEEL DUTER SHELL.
1	STAINLESS STEEL DUTER SHELL.
1	STAINLESS STEEL DUTER SHELL.
1	DOUBLE WALL ADJUSTABLE DUCT TRANSITION PLATE - 16" INNER DUCT - 2 LAYERS REDUCED CLEARANCE - 20" STAINLESS STEEL DUTER SHELL. MIN LENGTH = 11" / MAX LENGTH = 48.5"
1	INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
	DUCT TO CURB TRANSITION 3/4" DOWN TURN, 26 1/2" CURB TO 16" DUCT, 16 GA ALUMINIZED.
1	USED DN NCA16FA / NCA16HPFA & NCA18FA / NCA18HPFA. TRANSITIDN PLATE DD IS 27.00" DESIGNED FDR USE WITH EXHAUST FAN.
1	DOUBLE WALL DUCT - 16" INNER DUCT, 47" LONG - 2 LAYERS REDUCED CLEARANCE - 20"
1	STAINLESS STEEL DUTER SHELL. DDUBLE WALL DUCT - 16" INNER DUCT, 47" LONG - 2 LAYERS REDUCED CLEARANCE - 20"
1	STAINLESS STEEL DUTER SHELL. DDUBLE WALL DUCT - 16" INNER DUCT, 35" LONG - 2 LAYERS REDUCED CLEARANCE - 20"
-	STAINLESS STEEL DUTER SHELL.
1	CLEARANCE - 20" STAINLESS STEEL DUTER SHELL. MIN LENGTH = 11" / MAX LENGTH = 48.5" / ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT.
	INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
1	DUCT TO CURB TRANSITION 3/4" DOWN TURN, 26 1/2" CURB TO 16" DUCT, 16 GA ALUMINIZED. USED ON NCA16FA / NCA16HPFA & NCA18FA / NCA18HPFA, TRANSITION PLATE OD IS 27.00"
-	DESIGNED FOR USE WITH EXHAUST FAN.
1	DOUBLE WALL DUCT - 16" INNER DUCT, 47" LONG - 2 LAYERS REDUCED CLEARANCE - 20" STAINLESS STEEL OUTER SHELL.
1	DOUBLE WALL DUCT - 16" INNER DUCT, 47" LONG - 2 LAYERS REDUCED CLEARANCE - 20" STAINLESS STEEL DUTER SHELL.
1	DOUBLE WALL DUCT - 16" INNER DUCT, 35" LONG - 2 LAYERS REDUCED CLEARANCE - 20" STAINLESS STEEL OUTER SHELL.
	DOUBLE WALL ADJUSTABLE DUCT TRANSITION PLATE - 16" INNER DUCT - 2 LAYERS REDUCED
1	/ ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT.
	INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
1	DUCT TO CURB TRANSITION 3/4" DOWN TURN, 26 1/2" CURB TO 16" DUCT, 16 GA ALUMINIZED. USED ON NCA16FA / NCA16HPFA & NCA18FA / NCA18HPFA. TRANSITION PLATE OD IS 27.00"
	DESIGNED FUN USE WITH EARAUST FAN.
1	DOUBLE WALL DUCT - 16" INNER DUCT, 47" LONG - 2 LAYERS REDUCED CLEARANCE - 20" STAINLESS STEEL DUTER SHELL.
1	DOUBLE WALL DUCT - 16" INNER DUCT, 47" LONG - 2 LAYERS REDUCED CLEARANCE - 20" STAINLESS STEEL OUTER SHELL.
1	DOUBLE WALL DUCT - 16" INNER DUCT, 35" LONG - 2 LAYERS REDUCED CLEARANCE - 20" STAINLESS STEEL OUTER SHELL.
	DOUBLE WALL ADJUSTABLE DUCT TRANSITION PLATE - 16" INNER DUCT - 2 LAYERS REDUCED CLEARANCE - 20" STAINLESS STEEL DUTER SHELL. MIN LENGTH = 11" / MAX LENGTH = 48.5"
1	/ ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT.

7 6

5

4

3



I B С D E F G | Н ĸ | L 3 2 1

_2

15	14	13			12		11			10	9	8	7
					DUCTWORK	K #2 PA	RTS –	J0B#708	923	02 DOUBLE WALL	,		
TAG	PART #	CFM	GPM	ZONE	COVEREDBY	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION			
P30 ASSEMBLED W/P29 D=	B DW2616TPDBEX	2583					9.00	1849.94	1	DUCT TO CURB TRANS USED ON NCA16FA / I DESIGNED FOR USE W	ITION 3/4″ DOWN TU NCA16HPFA & NCA18F ITH EXHAUST FAN.	URN, 26 1/2″ CURB A / NCA18HPFA. T	TO 16″ DUCT, 16 GA ALUMIN RANSITION PLATE OD IS 27
SYSTEM AT P30						-1.0395	0.00						
RC1	DW20DWRISER-2R-S						8.36		1	DDUBLE WALL RISER CLEARANCE - 20" STA SINGLE V CLAMPS FD	COVER - USED ON : AINLESS STEEL DUTE R INNER & DUTER C	16″ INNER RISER, 4″ ER RISER SHELL AS: DNNECTIDNS.	LONG – 2 LAYERS REDUCE SEMBLY, INCLUDES INSULA
RC2	DW20DWRISER-2R-S						8.36		1	DOUBLE WALL RISER CLEARANCE - 20" STA SINGLE V CLAMPS FO	COVER - USED ON 3 AINLESS STEEL OUTE R INNER & OUTER C	16″ INNER RISER, 4″ ER RISER SHELL AS: DNNECTIDNS.	LONG – 2 LAYERS REDUCE SEMBLY, INCLUDES INSULA
RC3	DW20DWRISER-2R-S						8.36		1	DOUBLE WALL RISER CLEARANCE - 20" STA SINGLE V CLAMPS FO	COVER - USED ON 3 AINLESS STEEL OUTE R INNER & OUTER C	16″ INNER RISER, 4″ ER RISER SHELL AS: DNNECTIDNS.	LONG - 2 LAYERS REDUCE SEMBLY, INCLUDES INSULA
RC4	DW20DWRISER-2R-S						8.36		1	DOUBLE WALL RISER CLEARANCE - 20" STA SINGLE V CLAMPS FO	COVER - USED ON 3 AINLESS STEEL OUTE R INNER & OUTER C	16″ INNER RISER, 4″ ER RISER SHELL AS: DNNECTIDNS.	LONG - 2 LAYERS REDUCE SEMBLY, INCLUDES INSULA
RC5	DW20DWRISER-2R-S						8.36		1	DDUBLE WALL RISER CLEARANCE - 20" STA SINGLE V CLAMPS FD	COVER - USED ON 3 AINLESS STEEL DUTE R INNER & DUTER C	16″ INNER RISER, 4″ ER RISER SHELL AS: DNNECTIDNS.	LONG – 2 LAYERS REDUCE SEMBLY, INCLUDES INSULA
RC6	DW20DWRISER-2R-S						8.36		1	DDUBLE WALL RISER CLEARANCE - 20" STA SINGLE V CLAMPS FD	COVER - USED ON 3 AINLESS STEEL DUTE R INNER & DUTER C	16″ INNER RISER, 4″ ER RISER SHELL AS: DNNECTIDNS.	LONG - 2 LAYERS REDUCE SEMBLY, INCLUDES INSULA
	3M-2000PLUS						0.80		6	DUCT - 3M FIRE BAR	RIER 2000 PLUS SIL	ICONE - USED AS S	EALANT TO SEAL DUCT JOI
	DW16DWCLASY-2R-S						7.96		12	DUCT - 16" DUCT - 2 - REDUCED CLEARANC	20″ DOUBLE ″V″ CLA E.	MP - 2R INSULATIO	N & SINGLE ″∨″ CLAMP INC
TOTAL WEIGHT							2024.88						

DOUBLE WALL FACTORY BUILT DUCTWORK

D

- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.

– FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE ENTIRE INSTALLATION AND OPERATION MANUAL - DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR. - WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16" PER LINEAR FOOT.

HORIZ	DNTAL
DUCT DIAMETER	SUPPORT SPACING (FT)
5″	7′
6″	7′
7″	7′
8″	7′
10″	7′
12″	7′
14″	7′
16″	7′
18″	5′
20″	5′
22″	5′
24″	5′
26″	5′
28″	5′
30″	5′
32″	5′
34″	5′
36″	5′

VERTICAL									
TYPE	WALL SUPPORT (FT)	CURB SUPPORT (FT)	FLOOR SUPPORT (FT)						
2R & 2R HT (5"-16")	20′	24′	24′						
2R (18")	18′	24′	24′						
3R & 3Z (5″-24″)	10′	24′	24′						
3Z (26″ -36″)	10′	20′	20′						
		*							





| 1







_	15		14		13		12		11		10
A	A	dditior manuc	nal inf al avai	`orma ⁻ lable	tion i at w	ncludi ww.caj	ng in otive	stalla aire.co	tion om,		
 B	FACTE	IRY B		Doubl	<u> E W</u>		GREAS	<u>Se du</u>			
	FURNIS HOODS, LISTED COMMER	H DUUE Which To UL Cialce	3LE VAU CONFO 1978 JOKING	L, FAI IRMS TI AND UL OPERA	CTURY] THE 2221 TION,	BUILI REQUI FOR TESTI	GREA REMEN VENTI NG HA	SE DUC TS DF NG AIR S BEEN	NFPA- AND I EXTE	2 USE -96, p GREASE NDED	VIIH Produ I Va To r
с	AND AC GREASE AND NF COOKIN	DUCT DUCT PA 96; G OPER	E IU S APPLIC Stand Ations	IMILAR ATION ARD FI , DOU	ILSI SVH JRVE BLEW	ING CR EN INS NTILAT ALL G	TALLE TALLE TIDN C REASE	A, MUL D IN A DNTROL DUCTS	NELS D Accord Accord And Are	W-2R, Ance ' Fire f Listei	3R WITH PROTE) FOF
D	THE DU	AL TEM S F, ICT SE(VITH IN CH THT	IPERATU CTIONS NSULATI	SHALL	BE C BETW	UNSTRU EEN,	JCTED The In	DF AN NNER D	INNEF UCT W	ALL SI	UMPE WAL HALL
 E	THROUG MINIMUN LAYERS GREASE SEALED 3/4″ OI	H 24" G DF 0 DUCT WITH R ZERE	THE [24 INC JPER W JDINTS 3M FIF INCH	JUTER H THIC DDL 60 S SHAL CLEAR	WALL KNESS D7 PLU L BE RIER A	SHALL , THE JS INSU HELD 2000+, ACCOR	BE C DUCT JLATIC TOGETH THE DING	DUCT N	JCTED D DN WEEN MEAN VALL 4 SSIFIC	OF ST MODEL THE IN S OF F ASSEME ATIONS	AINL NUMI INER ORME
F	CLASSI UL 222 7 DF T REFERE REPRES NON-VE WITHIN	FICATION 1 STAN HIS STANCES ENTS A ENTILA A NON	JNS ANI ANDARD Tandari Two ins All ins Tedcomi J-venti	D CLEA FOR F) REFE STALLA STALLA BUSTIB [LATED	RANCE TRE R Rence TION TION (LE EN COMB	ESISTI SATE Condit Condit Closuf USTIBL	VE GR EST La IONS, ION EX RES, E ENC	EASE ABELED CONDI CONDI CONDIT	DUCT E Intef FION A FOR IN ION B E,	INCLOS RNAL F AND (NSTALL REPRE	URE IRE CONDI ATIO SENT
G	MDDEL Shaft DIAMETI ENCLDS	DW-2R Enclos Er), M Ure Co	IS CLA SURES N 10del 2 Inditio	ASSIFIE WITH A 2r is l n b,	ED UNI A REDU LISTEI	DER UL ICED C) IN A(.2221 LEARA CCORDA	AS AN NCE TE ANCE W	ALTER] Comb /Ith t	NATE USTIBL He Reg	TO 2 _ES (QUIRE
н	MDDEL Shell; Band,	DW-2R ZERO	: 3/4″ R INCH	CLEARA CLEAR	ANCE Rance	TO COM From	IBUSTI Combu	BLES F Stible	ROM T S FRO	HE SUI M THE	RFAC TIP
	DOUBLE MANUFA State Duct S Torque	WALL CTUREF AND L[Ection OR V	GREAS R'S "INS JCAL CI IS, PRI IBRATIE	E DUC ⁻ Stalla Ides, Itect In,	T SHAL TION, FANS GREAS	L BE OPERA Shall Se Duc	INSTA TION 6 . BE 5 T FRO	LLED I And Ma Suppor M twis	N ACC Inten4 Ted in Sting	JRDANC Ance M Depeni Jr Mon	CE W ANUA DENT /EME
	CERTIF THE DW THAT T WIDELY THE MA	ICATION /-2R S HE PRI RECOUNTAC	NS: ERIES H Iduct H GNIZED FURING	HAS BE HAS BE (CONSE SITE H	EN CE En te Ensus: Has be	RTIFIE Sted U.S. 4 Een Al	D BY To An And Ca Jdited	ITS, D HAS Anadiai , and	THIS C MET T N PROI THAT	ERTIFI HE MIN DUCTS THE AP	CATI NUM SAFE PLIC
	PERFOR	MANCE.	- EKIUDI	LFAL		- L] L L L V		NSPEL		ILI VE	KIF ĭ
К											DETI
 L											
	15		14		13		12		11		10

DOUBLE WALL DUCT RISER COVER

4





5

DW-2R SPECIFICATION: /ITH TYPE I KITCHEN RODUCTS SHALL BE ETL VAPORS FROM D RECONGNIZE ASTM E2336 3R AND 3Z ARE USED FOR /ITH THESE INSTRUCTIONS ROTECTION OF COMMERCIAL FOR A CONTINUOUS EMPERATURES DF 2000

9

8

WALL AND AN DUTER IALL BE CONSTRUCTED OF IN DIAMETERS 8" AINLESS STEEL AT A NUMBER, SHALL INCLUDE NER AND DUTER WALL, JRMED ∨ CLAMPS AND LY SHALL BE TESTED AT

JRE ASSEMBLIES, CHAPTER RE TEST, SECTION 7.1.1 ONDITION B. CONDITION A ATION WITHIN SENTS INSTALLATION

□ 2-HR FIRE RESISTIVE ES (SIZES 8″ TO 16″ UIREMENTS FOR DUCT

FACE OF THE DUCT OUTER TIP OF THE OUTER V

WITH THE ANUAL," ETL LISTING, ENTLY FROM THE GREASE EMENT CAUSED BY FAN

CATION MARK INDICATES IUM REQUIREMENTS OF A SAFETY STANDARD, THAT PLICANT HAS AGRRED TO A RIFY CONTINUED

FOR REFERENCE ONLY (Once duct run has been DETERMINED, ACCURATE DUCT DESIGN WILL BE PRODUCED)

9

8





ent Approach E CALIFORNIA ENERGY COMMISSION CALIFORNIA ENERGY COMMISSION CALIFORNIA ENERGY COMMISSION CERTIFICATE OF C CERTIFICATE OF C	Component Approach F compliance F compliance	State of CALIFORNIA CALIFORNIA ENERGY COMMISSION Certificate of COMPLiance NRCC-ENV-E
Project Name: Project Name: All 20.7(b)/160.1 for newly constructed nonresidential, hotel/ motel, multifamily and 41.0(b)1/180.2 for alterations, related to roof, wall and floor assemblies. It is also used to demonstrate compliance with prescriptive requirements in 140.3/ d buildings, and 141.0/180.1/180.2 for additions and alterations, related to roof, wall, floor, door, fenestration and daylighting requirements. S. Food Science Classroom Report Page: (Page 1 of 7)	Escalon H.S. Food Science Classroom Report Page: (Page 2 of 7) Date Prepared: 11/4/2024	Project Name: Escalon H.S. Food Science Classroom Report Page: (Page 3 of 7) Date Prepared: 11/4/2024
1528 Yosemite Ave. Date Prepared: 11/4/2024 11/4/2024 11/4/2024 11/4/2024	SCOPE Doors that are more than 25% glass in area are considered Glazed Doors and should be documented on table K with fenestration.	H. WALL ASSEMBLY SCHEDULE This table demonstrates compliance with prescriptive wall assembly requirements in 140.3(a)/ 170.2(a) for new constructions, 141.0(a)/ 180.1 for additions and 141.0(b)1B/ 180.2 for
Image: Constraint of the second of the se	and replacements must also check "Roof Assembly" box and document compliance with insulation requirements in Table F. Roof recoats may document compliance with only in Table G.	01 Indicate wall types included in the project:1
$\begin{array}{ c c c c c }\hline 12 & 07 & Total Unconditioned Floor Area (ft2) & 120 & C. COMPLIANCE \\\hline \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	NCE RESULTS : table are automatically calculated from data input and calculations in Tables F through L. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer (ceptional Conditions for guidance or see the applicable table referenced below.	* FOOTNOTES: Wall types indicated above as "(new only)" do not have Title 24, Part 6 requirements for alterations. New construction and additions do have requirements and should be clicked above and compliance demonstrated within this table. Spandrel & Curtain Walls
;ned to comply with the provisions of that occupancy height of at least 15 ft. ¹ Roof Assem 01	Opaque Envelope Components Floors Daylighting Spaces > Compliance Results jembly Roofing Materials Walls Floors Doors 5,000ft ² Compliance Results 1 02 03 04 05 06 07 08	O1 Include Spandrel/ Curtain Walls in Area-Weighted Average U-factor Calculation ¹ 02 03 04 05 06 07 08 09 10 11
ces > 5,000 ft² directly under roof with ceiling height > 15 ft in climate zones 2 through 15 are required to meet the minimum daylighting requirements b). Compliance with 140.3(c)/ 170.2(b) is documented in Table L. This is the only prescriptive requirement which applies to unconditioned spaces.(See Table Yes	ble F)(See Table G)(See Table H)(See Table I)(See Table J)(See Table K)(See Table L)sYesYesYesYesYesCOMPLIES	Tag/Plan Detail IDOccupancy & StatusHow Design U-factor was determinedTypeFinishInsulation R-valueThermal Performance UnitRequired Thermal Performance 2Net Area2 ft2
envelope components within the permit application demonstrating compliance using the prescriptive paths outlined in 140.3/170.2 and 141.0(a)1/180.1 This table is automatical application demonstrating compliance using the prescriptive paths outlined in 140.3/170.2 and 141.0(a)1/180.1	NAL CONDITIONS auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.	S Wall infill Nonresidential JA4 Tables JA4 Tables LA4 Tables Tables LA4 Tables LA4 Tables LA4 Tabl
And alterations. My project consists of (check all that apply) Component Types 01 02	JAL REMARKS	N Wall infill Nonresidential JA4 Tables 15 U-factor 0.055 per 604
Iewly Conditioned Space Image: Space <td></td> <td>¹FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Spandrel/ Curtain walls are combined with wood</td>		¹ FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Spandrel/ Curtain walls are combined with wood
$\frac{1}{10000000000000000000000000000000000$	pes not apply to this project.	² Wall area minus any fenestration area
ied space Image: Constraint of the first time Roof Assembly Walls G. RATED ROOF ied space Image: Constraint of the first time Roof Assembly Floors Fenestration	POFING MATERIAL (COOL ROOF) oes not apply to this project.	
Generated Date/Time: Documentation Software: EnergyPro	Generated Date/Time: Documentation Software: EnergyPro	Generated Date/Time: Documentation Software: EnergyPro
Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-4796-1124-2287 CA Building Energy Schema Version: rev 20220101 Report Generated: 2024-11-04 13:26:33 CA Building Energy	ergy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-4796-1124-2287 Schema Version: rev 20220101 Report Generated: 2024-11-04 13:26:33	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-4796-1124-2287 Schema Version: rev 20220101 Report Generated: 2024-11-04 13:26:33
Image: state of california State of california Image: state of california Envelope Cc Image: state of california Envelope Cc Image: state of california Certificate of c	Component Approach CALIFORNIA ENERGY COMMISSION IF COMPLIANCE NRCC-ENV-E	state of CALIFORNIA Envelope Component Approach CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-ENV-E
Food Science Classroom Report Page: (Page 4 of 7) Project Name: Date Prepared: 11/4/2024 11/4/2024 11/4/2024	Escalon H.S. Food Science Classroom Report Page: (Page 5 of 7) Date Prepared: 11/4/2024	Project Name: Escalon H.S. Food Science Classroom Report Page: (Page 6 of 7) Date Prepared: 11/4/2024
EDULE K. FENESTRATI J-factor Compliance Calculation for Wood Framed/ SIPs/ Spandrel/ Curtain/ Metal Panel/ Straw Bale Wall Types 03	ATION AND GLAZED DOOR SCHEDULE Image: Calculate Area-Weighted Average VT for Vertical Fenestration and Glazed Doors ¹	M. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
02 03 04 05 Total Area of Wall Type (ft ²) Area-weighted U-factor for Wall Type Compliance Results Using Area-Weighted Calculation Option 04 04	Stration And Glazed Doors- U-factor, Solar Heat Gain Coefficient (RSHGC/ SHGC), Visible Transmittance (VT) 05 06 07 08 09 10 11 12 13 Forestarting	Selections have been made based on information provided in this document. If any selection have been changed by the permit applicant, an explanation should be included in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online Form/Title
833 0.055 0.051 Detail ID Tag/Plan Fe Il Types: 833 0.055 0.051 COMPLIES Detail ID	Fenestration Type Occupancy & Status U-factor/ (R)SHGC Compliance Method VT Compliance Method Calculation Method for Performance Values per Design ² Performance Unit Performance Performance Performance per Design Image: Compliance Compliance Compliance Compliance Compliance Compliance Method VT Compliance Compliance Calculation Method for Performance Values per Design ² Performance Compliance Compliance Compliance Calculation Method for Performance Values per Design ² Performance Compliance Compliance Calculation Method for Performance Compliance Calculation Method for Performance Compliance Calculation Method for Performance Calculati	NRCI-ENV-01-E - Must be submitted for all buildings
IEDULE Window Fit	Fixed window Nonresidential/ Relocatable 1 CZ: : New Overhang/ Slats used for RSHGC (R)SHGC (max) 0.83 0.83 86	N. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, form user must provide an explanation in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at
¹ FOOTNOTES: If c EDULE <i>Compliance with prescriptive exterior door requirements in 140.3(a)7/ 170.2(a)4 for new construction or additions. Doors which are being replaced (alterations)</i>	If any individual fenestration product is non-compliant, products may show compliance using an area-weighted calculation. Chromogenic glazing is not included in d calculations. Area-weighted calculation shown in separate area-weighted table below. ^c ault Calculation can only be used for alterations or dwelling units in buildings with <= 3 habitable stories. Alterations are limited to 200ft ² of site built glazing and dwelling ited to 250ft ² or 5% of conditioned floor area. If the fenestration does not meet these conditions, the only ontions for determining fenestration values are NEBC Certification	https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Norresidential_Documents/NRCA/. Individuals who perform the field testing and verification work, and provide the information required for completion of the fenestration Certificate of Acceptance documentation are not required to be licensed professionals. However, the person who signs the Certificate of Acceptance document to certify compliance with the acceptance requirements shall be licensed as specified in Standards Section 10-103(a)4 and NA7.3.1 Systems/Spaces To Be Field
ited in this table because there are no Title 24, Part 6 requirements that apply. Exterior doors separate conditioned space from unconditioned space or from 2 more than 25% glass in area are considered Glazed Doors and should be documented on Table K with fenestration per Table B.or the Default Ta 3 Overhangs mu: requirement, the020304050607	Tables in 110.6. nust extend past the left and right window the same distance as the depth of the overhang or greater to show an affect on the RSHGC. If an overhang does not meet this the affect of the overhang will be ignored.	Form/Title Verified NRCA-ENV-02-F must be submitted for all new, added or altered site built fenestration. Fenestration;
Name/Description Occupancy Type Door Type Door Insulation Maximum Allowed U-factor U-factor per Design	cludes casement and awning windows. ed Average U-factor, SHGC, VT Compliance Calculation for Vertical Fenestration And Glazed Doors 01 02 03 04 05	O. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION There are no forms required for this project.
Impliance with prescriptive fenestration requirements in 140.3(a)5/170.2(a)3 for new constructions, 141.0(a)/180.1 for additions, or 141.0(b)2A/180.2 for that are more than 25% glass in area are considered Glazed Doors and should be documented on this table with fenestration. Implication is the last in the last	Verformance Unit Total Area of Fenestration (ft ²) Area-weighted Calculation for Fenestration Compliance Results Using Area-Weighted Calculation Option Ubscatter 86 0 0 0 COMPUES	
In types included in the project: Image: Contract of types included in the project: Image: Contract	R)SHGC 86 0 0 COMPLIES VT 86 0 0 COMPLIES	
Slazed Doors- U-factor, Solar Heat Gain Coefficient (RSHGC/ SHGC), Visible Transmittance (VT) Image: Calculate Area-Weighted Average U-factor for Vertical Fenestration and Glazed Doors ¹ Image: Calculate Area-Weighted Average (R)SHGC for Vertical Fenestration and Glazed Doors ¹ Image: Calculate Area-Weighted Average (R)SHGC for Vertical Fenestration and Glazed Doors ¹ Image: Calculate Area-Weighted Average (R)SHGC for Vertical Fenestration and Glazed Doors ¹ Image: Calculate Area-Weighted Average (R)SHGC for Vertical Fenestration and Glazed Doors ¹ Image: Calculate Area-Weighted Average (R)SHGC for Vertical Fenestration and Glazed Doors ¹ Image: Calculate Area-Weighted Average (R)SHGC for Vertical Fenestration and Glazed Doors ¹ Image: Calculate Area-Weighted Average (R)SHGC for Vertical Fenestration and Glazed Doors ¹ Image: Calculate Area-Weighted Average (R)SHGC for Vertical Fenestration and Glazed Doors ¹ Image: Calculate Area-Weighted Average (R)SHGC for Vertical Fenestration and Glazed Doors ¹ Image: Calculate Area-Weighted Average (R)SHGC for Vertical Fenestration and Glazed Doors ¹ Image: Calculate Area-Weighted Average (R)SHGC for Vertical Fenestration and Glazed Doors ¹ Image: Calculate Area-Weighted Average (R)SHGC for Vertical Fenestration and Glazed Doors ¹ Image: Calculate Area-Weighted Average (R)SHGC for Vertical Fenestration and Glazed Doors ¹ Image: Calculate Area-Weighted Average (R)SHGC for Vertical Fenestration Average (R)SHGC for Vertic	IN LARGE ENCLOSED SPACES loes not apply to this project.	
Generated Date/Time: Documentation Software: EnergyPro	Generated Date/Time: Documentation Software: EnergyPro	Generated Date/Time: Documentation Software: EnergyPro
Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-4796-1124-2287 CA Building Energ Schema Version: rev 20220101 Report Generated: 2024-11-04 13:26:33	ergy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-4796-1124-2287 Schema Version: rev 20220101 Report Generated: 2024-11-04 13:26:33	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-4796-1124-2287 Schema Version: rev 20220101 Report Generated: 2024-11-04 13:26:33
State of California State of California State of California Mechanical E NRCC-ENV-E CERTIFICATE OF C C End Grime Glosses (Record Decision) This (construction)	al Systems CALIFORNIA ENERGY COMMISSION F COMPLIANCE NRCC-MCH-E	State of California Mechanical Systems Certificate of compliance Recondense Recondense State of compliance Recondense State of compliance
Report Page: (Page / of /) This document is 1528 Yosemite Ave. Date Prepared: 11/4/2024 path outlined in Project Name: Project Address: Project Address:	in 140.4, or 141.0(b)2 for alterations. Escalon H.S. Food Science Classroom Report Page: (Page 1 of 11) ss: 1528 Yosemite Ave Date Prenared: 11/4/2024	Project Name: Escalon H.S. Food Science Classroom Report Page: (Page 2 of 11) Date Prepared: 11/4/2024
IOR'S DECLARATION STATEMENT cate of Compliance documentation is accurate and complete. A. GENERAL IN	- INFORMATION	C. COMPLIANCE RESULTS Table C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES
Documentation Author Signature: 01 Project Locat Signature Date: 02 Climate Zon 2024-11-04 03 Occupancy	Acation (city)Escalon04Total Conditioned Floor Area2483Cone1205Total Unconditioned Floor Area120Core Types Within Project:06# of Stories (Habitable Above Grade)1	NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D., or the table indicated as not compliant for guidance. 01 02 03 04 05 06 07 08 09 System 5 6 6 7 08 09
CEA/ HERS Certification Identification (if applicable): Phone: 200, 572, 7200	All Other Occupancies	Summary 110.1, 110.2, AND Pumps 140.4(k), 170.2(c)4l AND Fans/ Economizers 140.4(c), 140.4(c), System Controls 140.4(c), 140.4(f), AND Controls Controls 140.4(f), AND Terminal Box Controls 140.4(d), Distribution 120.1, 160.2 AND Cooling Towers 140.4(d), Cooling Towers 140.4(f),
DECLARATION STATEMENT B. PROJECT SCC Julty of perjury, under the laws of the State of California: This table Include vided on this Certificate of Compliance is true and correct. 140.4, 170.2(b)	SCOPE ludes mechanical systems or components that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in (b) or 141.0(b)2 and 180.2(b)2 for alterations.	140.4, 170.2(c) 170.2(c)
/ision 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer) Ind performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements I Part 6 of the California Code of Regulations. reatures or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, Hea	01 02 03 Air System(s) Wet System Components Dry System Components leating Air System Water Economizer Air Economizer	Mandatory Measures Compliance (See Table Q for Details) COMPLIES
Image: Submitted to the enforcement agency for approval with this building permit application. Impleted signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable Impleted signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy. Responsible Designer Signature: Image: Configuration of the building owner at occupancy.	Doling Air System Pumps Electric Resistance Heat Mechanical Controls System Piping Fan Systems Mechanical Controls (existing to remain, altered Caling Tumor Mechanical Controls	D. EXCEPTIONAL CONDITIONS This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.
es, Inc. License:	Image: new) Image: Cooling Towers Image: Ductwork (existing to remain, altered or new) Image: new) Image: Chillers Image: Ductwork (existing to remain, altered or new) Image: New Processory Image: Ductwork (existing to remain, altered or new) Image: New Processory Image: Ductwork (existing to remain, altered or new) Image: New Processory Image: Ductwork (existing to remain, altered or new) Image: New Processory Image: Ductwork (existing to remain, altered or new) Image: New Processory Image: Ductwork (existing to remain, altered or new) Image: New Processory Image: Ductwork (existing to remain, altered or new) Image: New Processory Image: Ductwork (existing to remain, altered or new) Image: New Processory Image: Ductwork (existing to remain, altered or new) Image: New Processory Image: Ductwork (existing to remain, altered or new) Image: New Processory Image: Ductwork (existing to remain, altered or new) Image: New Processory Image: Ductwork (existing to remain, altered or new) Image: New Processory Image: Ductwork (existing to remain, altered or new) Image: New Processory Image: Ductwork (existing to remain, altered or new) Image: New Processory Image: Ductwork (existing to remain, altered or new) Image: New Processory Image: Ductwork (existing tor remain, altered or new) Image: New P	E. ADDITIONAL REMARKS This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.
C-15527 Phone: 209-571-2232		F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS) Space Conditioning System Information
		010203040506System NameQuantitySystem ServingSystem StatusSpace TypeUtilizing Recovered HeatClassroom1Single zoneAlteration
y Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-4796-1124-2287 CA Building Energy	nergy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022 0 000 Compliance ID: EnergyPro	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022 0.000 Compliance ID: EnergyPro. 4796-1124-2296
Schema Version: rev 20220101 Report Generated: 2024-11-04 13:26:33 CA Building Energy	Schema Version: rev 20220101 Compliance ID: EnergyPro-4/96-11/24-2/86 Report Generated: 2024-11-04 13:26:33	Schema Version: 2022000 Compliance ID: EnergyPro-4/95-1124-2286 Report Generated: 2024-11-04 13:26:33

Mechanical Systems CALIFORNIA ENERGY COMMISSION		CALIFORNIA ENERGY COMMISSION		CALIFORNIA ENERGY COMMISSION
Description NRCC-MCH-E Project Name: Escalon H.S. Food Science Classroom Report Page: (Page 3 of 11) Date Prenared: 11/4/2024	CERTIFICATE OF COMPLIANCE Project Name: Escalon H.S. Food Science Classroom Report / Date Pr	Page: (Page 4 of 11)	CERTIFICATE OF COMPLIANCE Project Name: Escalon H.S. Food Science Classroom Repo	vrt Page: (Page 5 of 11) Prenared: 11/4/2024
F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS) Dry System Equipment Sizing (includes air conditioners, condensers, heat pumps, VRF, furnaces and unit heaters and DOAS systems)	G. PUMPS		H. FAN SYSTEMS & AIR ECONOMIZERS ³ Fan system allowance includes fan system base allowance.	
01 02 03 04 05 06 07 08 09 10 11 Equipment Sizing per Mechanical Schedule (kBtu/h)	This section does not apply to this project.		 ⁴ Filter pressure loss can only be counted once per fan system. ⁵ Complex Fan System means a fan system that combines a single cabinet fan system with other su 	upply fans, exhaust
Equipment Category per Smallest Size Heating Output ^{2,3} Cooling Output ^{2,3} Load Calculations ^{3,4}	This table is used to demonstrate compliance with prescriptive requirements found in 140.4(c), 140.4 process loads are exempt from these requirements and do not need to be included in Table H.	4(e), 140.4(m), 170.2(c)3, and 170.2(c)4A for fan systems. Fan systems serving only	fans, or both. ⁶ Computer room economizers must meet requirements of 140.9(a) and will be documented on the document	e NRCC-PRC-E
Name or Item Tag Equipment Category per Tables 110.2, 140.4(a)2 and 170.2(c)3aii Equipment Type per Tables 110.2 and Title 20 Available ¹ 140.4(a) and 170.2(c)1 Supp. Per Design Supp. Rated Sensible Per Design Total Rated	System Classroom Quantit 1 Fan System Alteration System all other Dualling S	Not Fan erving System 4.000 Site 215 Fearming Temperatur	H. EXHAUST AIR HEAT RECOVERY 140.4(q), 170.2(c)40	
(kBtu/h)	Name Classroom y I Status Alteration Zoning systems Units Dw	velling Airflow 4,000 Elevation 215 Economizer Temperature Units (cfm)		Exemptions to Exhaust Air Exhaust Air
Classroom Furnace + AC AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air cooled, single pkg + warm-air central furnace, gas-fired AC, air	01 02 03 04 05 06 Fan	07 08 09 10 11 Allowance Design Design Design	Fan System Name Qty Operation per Year Design Supply Airflow Rate Outdoor Airflow 76 Outdoor at Full Design Airflow	Heat Recovery Heat Recovery Type Of Heat Required Recovery Recovery Ratio Bypass
¹ FOOTNOTES: Equipment shall be the smallest size, within the available options of the desired equipment line, necessary to meet the design heating and cooling loads of the building per 140.4(a) and 170.2(c)1. Healthcare facilities are excepted	Name or Item Fan Type Qty Component Airflow through Component (%) Gauge (w.g) Cor	mpone Allowance Design Electrical Input Power Nameplate Input (watt/cfm) Method Horcepower Input	Fan Energy Index (FEI)	170.2(c)40
It is common practice to show rated output capacity on the equipment schedule. Sensible cooling output comes from specification sheet tables. ³ If equipment is heating only, leave cooling output and load blank. If equipment is cooling only, leave heating output and load blank.	Base Allowance for system serving 100	928	01 02 Name or Item Tag FEI Exceptio	03 on FEI
Authority Having Jurisdiction may ask for load calculations used for compliance per 140.4(b) and 170.2(c). Dry System Equipment Efficiency (other than Package Terminal Air Conditioners (PTAC) and Package Terminal Heat Pumps (PTHP), DX-DOAS and Dual Fuel Heat Pumps)	spaces <=6 floors away	556	Classroom None Applie	es 1
01 02 03 04 05 06 07 08 09 Heating Mode	SF Supply 1 Gas heat 100 Hydronic/DX cooling coil or heat	232 Manufacturer provided 0.89	I. SYSTEM CONTROLS This table is used to demonstrate compliance with mandatory controls in 110.2 and 120.2 and pre	escriptive controls in 140.4(f) and (n), 170.2(c)4D 170.2(c)4L or requirements in
Name or Item Size Category Rating Minimum Minimum Tag (Btu/h) Condition Efficiency Unit Required per Design Efficiency Efficiency Unit Required per Design Efficiency	pump coil 100 Economizer Return Damper 100	184	141.0(b)2E 180.2(b)2 for altered space conditioning systems. 01 02 03 04 05	06 07 08 09
(°F) Tables 110.2 / Title 20 Tables 110.2 / Title 20	Supply Fan System 100 Supply Fan Base Exhuast/Return/Relief/Transfer Fan Base	556 Fan System 3.01 Fan System Electrical	System Name Conditioned Thermostats Shut-Off System Name System Floor Area 110.2(b) & (c) ¹ , 120.2(a) Controls	Isolation Supply Air Zone Demand Response Controls 110.12 120.2(b) &
Classroom >=65,000 and <135,000 AFUE 0.8 0.8 EER 11.0 11 IEER 14.6 14 14 14 14 14 14 14 14	Allowance (kW) Allowance(kW) ¹ FOOTNOTES: Fans serving spaces with design background noise goals below NC35	Allowance (kW) ³ Output (kW) Olio	(ft ²) 180.2(b)2 160.3(a)2A 67 141.0(b)2E & 120.2(e) & 160.3(a)2D	120.2(g) & 160.3(a)2F 160.3(a)2B 140.4(f) & 170.2(c)4D 140.4(f) & 170.2(c)4D
	² Low-turndown single-zone VAV fan system must be capable of and configured to reduce airflow to 5 design airflow and use no more than 30 percent of the design wattage at that airflow. No more than design load served by the equipment shall have fixed loads.	50 percent of 10 percent of the	Classroom Single zone <= 25,000 ft ² Setback Auto Timer Switch	r 4 Hour Timer EMCS increase Provided energy use
Generated Date/Time: Documentation Software: EnergyPro	Generated Date/*	Time: Documentation Software: EnergyPro	Generated Dat	te/Time: Documentation Software: EnergyPro
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-4796-1124-2286 Report Generated: 2024-11-04 13:26:33	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2 ^o Schema Version:	022.0.000 Compliance ID: EnergyPro-4796-1124-2286 rev 20220101 Report Generated: 2024-11-04 13:26:33	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version Schema Version	1: 2022.0.000 Compliance ID: EnergyPro-4796-1124-2286 Dri: rev 20220101 Report Generated: 2024-11-04 13:26:33
STATE OF CALIFORNIA Mechanical Systems	STATE OF CALIFORNIA Mechanical Systems		state of california Mechanical Systems	
CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE Project Name: Escalon H S. Food Science Classroom P	CERTIFICATE OF COMPLIANCE Project Name: Escalor H.S. Food Science Classroom Report	CALIFORNIA ENERGY COMMISSION NRCC-MCH-E Page: (Page 7 of 11)	CERTIFICATE OF COMPLIANCE Project Name: Escalor H.S. Egod Science Classroom Reno	CALIFORNIA ENERGY COMMISSION NRCC-MCH-E Ort Page: (Page 8 of 11)
Date Prepared: 11/4/2024	Date Pre	epared: 11/4/2024	Date	Prepared: 11/4/2024
	J. VENTILATION AND INDOOR AIR QUALITY		L. DISTRIBUTION (DUCTWORK and PIPING)	
FOOTNOTES: Gravity gas wall heaters, gravity floor heaters, gravity room heaters, non-central electric heaters, fireplaces or decorative gas appliances, wood stoves are not required to have setback thermostats.	Storage All others 131 19.6	DCV NA: Not required per §120.1(d)3	Dwelling or duct	g Units: Total duct leakage of duct system shall not exceed 12% system to outside shall not exceed 6% per RA3.1.4 required for No
J. VENTILATION AND INDOOR AIR QUALITY	17 Total System Required Min OA CEM	Occ Sensor NA: Not required space type 18 Ventilation for this System Complies? Ves	Duct	leakage testing per CMC Section 603.10.1 required for these systems? Yes
application reed to be documented in this table. In lieu of this table, the required outdoor ventilation rates and airflows may be shown on the plans or the calculations can be presented	¹ FOOTNOTES: System CFM should include both mechanical and natural ventilation for the zone/syste ² Air filtration requirements apply to the following three system types per 120 1(c)1A: space condition	em	11 No The scope of the project includes only duct systems serving he 12 Yes Duct system provides conditioned air to an occupiable space f	ealthcare facilities for a constant volume, single zone, space-conditioning system.
n a spreadsheet. 01 Check the box if the project is showing ventilation calculations on the plans, or attaching the calculations instead of completing this table.	systems providing outside air to occupiable space; supply side of balanced ventilation systems includi occupiable space.	ing heat recovery and energy recovery ventilation systems providing outside air to	13 Yes The space conditioning system serves less than 5,000 ft ² of co 14 No The <u>combined</u> surface area of the ducts is more than 25% of the ducts is more the ducts	onditioned floor area. the total surface area of the entire duct system:
02 Check this box if the project included Nonresidential, Hotel/Motel Spaces or Multifamily Common Use Spaces	³ Uniform Mechanical Code may have more stringent ventilation requirements; the most stringent co ⁴ See Standards Tables 120.1-A and 120.1-B.	ode requirement takes precedence.	15 The scope of the project includes extending an existing duct s 16 No The scope of the project includes an existing duct system that	ystem, which is constructed, insulated or sealed with asbestos. It is documented to have been previously sealed as confirmed through field verification
Operation Opera	- For recture nalls with fixed seating, the expected number of occupants shall be determined in accord ⁶ 120.2(e)3 requires systems serving rooms that are required by 130.1(c) to have lighting occupancy Examples of spaces which require lighting occupancy concers include officer 250ft ² according to the examples of spaces which require lighting occupancy concers include officer 250ft ² according to the examples of spaces which require lighting occupancy concers include officer 250ft ² according to the examples of spaces which require lighting occupancy concers include officer 250ft ² according to the examples of spaces which require lighting occupancy concers include officer 250ft ² according to the examples of spaces which require lighting occupancy concers include officer 250ft ² according to the examples of spaces which requires lighting occupancy concers include officer 250ft ² according to the examples of spaces which requires lighting occupancy concers include officer 250ft ² according to the examples of spaces which requires lighting occupancy concers include officer 250ft ² according to the examples of spaces which requires lighting occupancy concers include officer 250ft ² according to the examples of spaces which requires lighting occupancy concers include officer 250ft ² according to the space of	aance with the California Building Code. sensing controls to also have occupancy sensing zone controls for ventilation. withose rooms less than 1 000 ft ² classrooms, conference rooms, rootsooms, sitesooms, siteso	and diagnostic testing in accordance with procedures in the Re 17 All Ductwork and plenums with pressure class ratings shall be 18 All ductwork is an extension of an existing duct work and plenums with pressure class ratings and the second	ererence Norresidential Appendix NA2. 2 constructed to Seal Class A
System Name Classroom System Design OA CFM 913 System Design OA CFM 0	and open areas in warehouses, library book stack aisles, corridors, stairwells, parking garages, and k	pading and unloading zones, unless excepted by 130.1(c).	19 Ductwork is an extension of an existing duct system 20 < 25 ft of new or replacement space conditioning ducts install	
Airriow Iranster Air CFM Provided 08 09 10 11 12 13 14 15 16	K. TERMINAL BOX CONTROLS		21 R-8 Duct Insulation R-value 22 22	
Space Name Mechanical Ventilation Required per 120.1(c)3 ³ & 160.2(c)3 Exh. Vent per 120.1(c)4 & 160.2(c)4 DCV or Sensor Controls per 120.1(d)3,	L. DISTRIBUTION (DUCTWORK and PIPING)		23	
or Item Tag Occupancy Type ⁴ Conditioned # of Shower Floor Area (ft ²) toilets People ⁵ CFM Required Min OA CFM Min CFM CFM Provided per Design 120.1(d)5, and 120.1(e)3 ⁶ 160.2(c)5D 160.2(c)5E 160.2(c)5D	This table is used to show compliance with mandatory pipe insulation requirements found in 120.3 a Insulation shall be protected from damage, including that due t	and mandatory requirements found in 120.4(g) for duct sealing.	M. COOLING TOWERS	
Classroom Classroom (ages 5-18) 2352 893.8 0 0 DCV NA: Not required per §120.1(d)3	01 Weather shall be installed with a cover suitable for outdoor servi outside the conditioned space shall have a Class I or Class II vap	ice. Insulation covering chilled water piping and refrigerant suction piping located or retarder. All penetrations and joints of which shall be sealed.		
Occ Sensor NA: Not required space type	The answers to the questions below apply to the following duct systems: Classroom NR/ Co	mmon Use: Duct leakage testing shall not exceed 6% per NA7.5.3 required for these systems? No		
Generated Date/Time: Documentation Software: EnergyPro	Generated Date/	Time: Documentation Software: EnergyPro	Generated Dat	te/Time: Documentation Software: EnergyPro
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-4796-1124-2286 Schema Version: rev 20220101 Report Generated: 2024-11-04 13:26:33	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 20 Schema Version:	022.0.000 Compliance ID: EnergyPro-4796-1124-2286 rev 20220101 Report Generated: 2024-11-04 13:26:33	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version Schema Versio	1: 2022.0.000 Compliance ID: EnergyPro-4796-1124-2286 on: rev 20220101 Report Generated: 2024-11-04 13:26:33
STATE OF CALIFORNIA Mechanical Systems	state of california Mechanical Systems		state of california Mechanical Systems	
CERTIFICATE OF COMPLIANCE NRCC-MCH-E Project Name: Escalon H.S. Food Science Classroom Report Page: (Page 9 of 11)	CERTIFICATE OF COMPLIANCE Project Name: Escalon H.S. Food Science Classroom Report	NRCC-MCH-E Page: (Page 10 of 11)	CERTIFICATE OF COMPLIANCE Project Name: Escalon H.S. Food Science Classroom Report	NRCC-MCH-E ort Page: (Page 11 of 11)
Date Prepared: 11/4/2024	Date Pre	epared: 11/4/2024	Project Address: 1528 Yosemite Ave. Date	Prepared: 11/4/2024
N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION	Q. MANDATORY MEASURES DOCUMENTATION LOCATION		DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at	This table is used to indicate where mandatory measures are documented in the plan set or construct 01	tion documentation. 02 Description document leastion	Documentation Author Name: Dan Wilson	mentation Author Signature:
nttps://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/ Form/Title	Compliance with Mandatory Measures documented through MCH Mandatory Measures Note Block	Yes M-Sheets	Company: Signat Nexus Engineering Inc. 202	ture Date: 24-11-04
NRCI-MCH-01-E - Must be submitted for all buildings			Address: CEA/ H 1400 Lone Palm, Suite A City/State/Zip: Phone	ובאג כפרדודוכמדוסה identification (if applicable):
O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE			Modesto CA 95351 209-5 RESPONSIBLE PERSON'S DECLARATION STATEMENT	572-7399
These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/			The information provided on this Certificate of Compliance is true and correct. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building des The operative provided on the formation of the Business and Professions Code to accept responsibility for the building des	esign or system design identified on this Certificate of Compliance (responsible designer)
Form/Title Systems/Spaces To Be Field Verified			 The energy reactes and performance specifications, materials, components, and manufactured devices for the of Title 24, Part 1 and Part 6 of the California Code of Regulations. The building design features or system design features identified on this Certificate of Compliance are consisted plans and specifications submitted to the enforcement agency for approval with this building performance are consisted plans and specifications. 	e contains design of system design identified on this certificate of Compliance conform to the requirements ent with the information provided on other applicable compliance documents, worksheets, calculations, cion.
INCA-IVICIT-UZ-A - OUTGOOR AIT MUST be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with MCH-07-A 10 ton unit; Supply Fan VFD Acceptance (if applicable) since testing activities overlap. 10 ton unit; INRCA-MCH-03-A - Constant Volume Single Zone HVAC NOTE: This form does not automatically move to "Yes'. If Constant Volume Single Zone HVAC 10 ton unit;			S. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the binspections. I understand that a completed signed copy of this Certificate of Compliance is required to be inclu	uilding permit(s) issued for the building, and made available to the enforcement agency for all applicable uded with the documentation the builder provides to the building owner at occupancy.
Systems are included in the scope, permit applicant should move this form to "Yes". 10 ton unit; NRCA-MCH-05-A - Air Economizer Controls 10 ton unit;			Allen Layman Date S Company: Date S	Signed:
NRCA-MCH-11-A Automatic Demand Shed Controls 10 ton unit; NRCA-MCH-12-A FDD for Packaged Direct Expansion Units 10 ton unit;			Nexus Engineering 2024 Address: Licens 1400 Lone Palm, Suite A M300	-11-04 se: 0029
NRCA-MCH-16-A Supply Air Temperature Reset Controls10 ton unit;NRCA-MCH-18-A Energy Management Control Systems10 ton unit;			City/State/Zip: Phone Modesto CA 9531 209-5	<u>≥:</u> -572-7399
P. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION				
There are no NRCV forms required for this project.				
Generated Date/Time: Documentation Software: EnergyPro	Generated Date∕	Time: Documentation Software: EnergyPro	Generated Dat	te/Time: Documentation Software: EnergyPro
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-4796-1124-2286 Schema Version: rev 20220101 Report Generated: 2024-11-04 13:26:33	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2 ^a Schema Version:	022.0.000 Compliance ID: EnergyPro-4796-1124-2286 rev 20220101 Report Generated: 2024-11-04 13:26:33	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version Schema Versio	N: 2022.0.000 Compliance ID: EnergyPro-4796-1124-2286 on: rev 20220101 Report Generated: 2024-11-04 13:26:33

		CALIFORNIA ENERGY COMMISSION		Domestic Water Heating System	CALIFORNIA ENERGY COMMISSION					Domestic Water Heating System
		NRCC-PLB-E (Page 3 of 6) 11/4/2024	Report Page: Date Prepared:	CERTIFICATE OF COMPLIANCE Project Name: Escalon H.S. Food Science Classroom	NRCC-PLB-E (Page 2 of 6) 11/4/2024	Report Page: Date Prepared:	CERTIFICATE OF COMPLIANCE Project Name: Escalon H.S. Food Science Classroom	NRCC-PLB-E d 140.5, and with requirements in 141.0 for additions and es compliance is demonstrated with requirements in	oancies with requirements in 110.1, 110.3, 120.3, and 1 . For high-rise residential and hotel/motel occupancies	CERTIFICATE OF COMPLIANCE This document is used to demonstrate compliance for nonresidential occu alterations, for domestic water heating scopes using the prescriptive path
								(Page 1 of 6)	ns and 180.2 for alterations. Report Page: 1528 Yosemite Ave. Date Prepared:	110.1, 110.3, 160.4 and 170.2(d), and with requirements 180.1 for addition Project Name: Escalon H.S. Food Science Classroom Project Address:
		For multifamily and hotel/motel occupancies,	with distribution requirements in 120.3 and 140.5. For	G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM This table is used to demonstrate compliance for nonresidential occupancies		Having Jurisdiction.	E. ADDITIONAL REMARKS This table includes remarks made by the permit applicant to the Authority			A. GENERAL INFORMATION
		Table 160.4-A (see blow) except:	must meet the minimum insulation requirements in Ta	Compliance is demonstrated with requirements 110.3(c), 160.4, 170.2(d). Mandatory Pipe Insulation All Occupancies For systems serving dwelling units, pipe insulation	scriptive requirements in 140 5(c) / 170 2(d) must also	equirements in 110.1 and 110.3. Compliance with pre-	F. DOMESTIC HOT WATER EQUIPMENT			01 Project Location (city) Escaion 03 Occupancy Types Within Project (select all that apply):
		stance of the framing penetration. Piping that ssure that no contact is made with the metal framing.	all not be required to have pipe insulation for the distants, plugs, wrapping or other insulating material to assuming members.	 Piping that penetrates framing members si penetrates metal framing shall use gromm Insulation shall abut socurally against all for 		scopes.	be demonstrated and with 141.0 / 180.1 / 180.2 for addition and alteration Equipment Schedule: Water Heating Efficiency and Standby Loss			Classroom All Other Occupancies B. PROJECT SCOPE
		the requirements are met for compliance with Quality	shall not be required to have pipe insulation if all of the le Reference Residential Appendix RA3.5.	13 Implication shall able securely against all the secure	06	05 Gas Service Water Heating Connective weighted	03 04	compliance using the prescriptive paths outlined in 140./ on the NRCC-SAB compliance document. Combined	pe of the permit application and are demonstrating controls. Solar water heating systems are documented on	This table includes domestic water heating systems that are within the sc 170.2(d) and 141.0(a)/ 180.1, or 141.0(b)2N / 180.2 for additions or alter
		n, or 4 inches of attic insulation, shall not be required to comply with Table 120.3-A (see below) per 120.3:	h of wall insulation, 2 inches of crawlspace insulation, c ulation for the following applications is specified to cor	Piping surrounded with a minimum of 1 in have pipe insulation. For systems serving nonresidential spaces, pipe ir	6	System >= 1 1MMBtu/h ¹	Name Heater 170.2(d)3	03 System Components	02	hydronic water heating systems are documented on the NRCC-MCH comp 01 My project consists of (check all that apply):
		nonrecirculating storage system	y and return piping of the water heater ncluding between storage tank and heat trap, for a non	14 Recirculating system piping, including supp The first 8 ft of hot and cold outlet piping, Pipes that are externally beated	14 15 Designed Standby Loss Maximum Standby	11 12 13 Rated Efficiency Efficiency Unit	07 08 09 10 Name or Equipment Type Volume Capacity Hour Rating	aces) X Equipment X Distribution X Controls Image:	Individual System (serving nonresidential space	Image: Section of the sectio
	archit	enance, and wind. Insulation exposed to weather shall ow grade must be installed in a water proof and	ng that due to sunlight, moisture, equipment maintena ce per 120.3(b) / 160.4(f). Pipe insulation buried below	15 Insulation shall be protected from damage, includ	Loss	Efficiency Required	Item Tag Leap (gal) (gal) (Btu/h) (FHR) 100 Commercial Package <td>vidual systems.</td> <td>d to serve nonresidential spaces, are considered individ ily residential occupancy.</td> <td>¹FOOTNOTES: Point of use water heaters, or other non-central systems us ² Dwelling units refers to hotel/motel guest rooms and units in a multifan</td>	vidual systems.	d to serve nonresidential spaces, are considered individ ily residential occupancy.	¹ FOOTNOTES: Point of use water heaters, or other non-central systems us ² Dwelling units refers to hotel/motel guest rooms and units in a multifan
	ТІМОТНУ Р	al Dina Diamatar (in)	-A / 160.4-A PIPE INSULATION THICKNESS	TABLE 120.		0.97 0.57 UEF	GallonGas Hot Water100199,000FHR >=75WaterSupply Boilers (300k100199,000FHR >=75Heater- <1MMBtu/h)		stems" for multifamily occupancies	C. COMPLIANCE RESULTS
	ASSOCIAT	1.5 to < 4	Temp (< 1 1 to < 1.5 1	Fluid Temperature Range (°F) Fluid Temperature Range (°F)	6 Et requirements via an input capacity-weighted	ers with input capacity > 100,000 Btu/h may meet 90%	¹ FOOTNOTE: In systems >= 1MMBtu/h with multiple units, gas water hea average. Water Heating Equipment All Occupancies	is table says "DOES NOT COMPLY" or "COMPLIES with	t is compliant with water heating requirements. If this t pliant for guidance.	Table C will indicate if the project data input into the compliance docume. Exceptional Conditions" refer to Table D. or the table indicated as not com
	519 McHenry Ave., Mc Ph: (209) 571-2232 Fa	m Insulation Required 1.5 in or R-11 2.0 in or R-16	Minimum I 1.0 in or R-7.7 1.5 in or R-12.5 1.5	per °F) 105-140 0.22 - 0.28 100		Requirement	Yes No Applicable	Compliance Results	5 Controls Table H	Domestic Hot Water Equipment Distribution System Table F Table G
	NSED A				IR External >=R-3.5. Label required per 110.3(c)3 solar energy or recovered energy per 110.3(c)5 INTLUE or 2 IAW has been energified per 110.3(c)6	tank insulation shall have Internal + External >=R-16 C ngs 60% of energy for service water heating from site	18 Image: Constraint of the storage 19 Image: Constraint of the storage 20 Image: Constraint of the storage	COMPLIES	Yes	Yes Yes
	J LE A				water heating system per 140.5(a)1. Water heating us electric water heater.	25,000 ft ² and < 4 stories must install a heat pump an individual bathroom space may be an instantaneous	20 Image: Constraint of the second secon		ade or data entered in tables throughout the form.	D. EXCEPTIONAL CONDITIONS This table is auto-filled with uneditable comments because of selections r
	No. C 15 9 REN. 5	Documentation Software: EnergyPro	Generated Date/Time:		Documentation Software: EnergyPro	Generated Date/Time:		Documentation Software: EnergyPro	Generated Date/Time:	
<form><form> Norm Norm</form></form>	THE OF CI	Compliance ID: EnergyPro-4796-1124-2285 Report Generated: 2024-11-04 13:26:32	Report Version: 2022.0.000 Schema Version: rev 20220101	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Compliance ID: EnergyPro-4796-1124-2285 Report Generated: 2024-11-04 13:26:32	Report Version: 2022.0.000 Schema Version: rev 20220101	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Compliance ID: EnergyPro-4796-1124-2285 Report Generated: 2024-11-04 13:26:32	Report Version: 2022.0.000 Schema Version: rev 20220101	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
	Copyright 2024 - Timothy			state of california Domestic Water Heating System			state of california Domestic Water Heating System			state of california Domestic Water Heating System
		CALIFURNIA ENERGY COMMISSION	Report Page:	CERTIFICATE OF COMPLIANCE Project Name: Escalon H.S. Food Science Classroom	CALIFORNIA ENERGY COMMISSION	Report Page:	CERTIFICATE OF COMPLIANCE Project Name: Escalon H.S. Food Science Classroom	CALIFURNIA ENERGY COMMISSION	Report Page:	CERTIFICATE OF COMPLIANCE Project Name: Escalon H.S. Food Science Classroom
<form><form><form></form></form></form>		11/4/2024	528 Yosemite Ave. Date Prepared:	Project Address:	11/4/2024	Date Prepared:		11/4/2024	Date Prepared:	
<form></form>	пех		te and complete	DOCUMENTATION AUTHOR'S DECLARATION STATEMENT			I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION	I and hotel/matel accurancias, compliance is -1	110 3 for all occupancies. For multiferently and the	H. DOMESTIC HOT WATER CONTROLS
<form></form>	enaine	2	Documentation Author Signature:	Documentation Author Name: Dan Wilson	cant, an explanation should be included in Table E.	t. If any selection have been changed by permit appli pector during construction and can be found online	Selections have been made based on information provided in this docume Additional Remarks. These documents must be provided to the building in		Requirement	demonstrated with requirements in 160.4(e) / 170.2(d).
<form><form><form></form></form></form>		plicable):	Signature Date: 2024-11-04 CEA/ HERS Certification Identification (if applica	Company: Nexus Engineering Inc. Address:		Form/Title	NRCI-PLB-E - Must be submitted for all buildings	e water-heating systems are equipped with automatic L0.3(a).	ments require manufacturer certification that service v rols capable of adjusting temperature settings per 110	O1 Applicable O1 Construction documentation
	Consulting Mechan 1400 Lone Palm Ave, Modesto, CA 95351		Phone: 209-572-7399	1400 Lone Palm, Suite A City/State/Zip: Modesto CA 95351			J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE	ure controls per 110.3(c)1 unless covered by California	city > 167,000 BTUH equipped with outlet temperature 3.0.	02 Implication Systems with capped and the control of the control
	Tel: 209.572.7399 Fa www.nexusengi			RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and certest			K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION	ble of automatically turning off the system per es automatic pump controls per 170.2(d) or 180.1(b)3 for	ting pumps or electrical heat trace systems are capable systems serves healthcare facility. ystems serving multiple dwelling units. design includes	03 Image: Controls for circul §110.3(c)2 unless 04 Image: Control state of the state of
	HVAC . Plumbing/Pipin Process/Plant Engineeri	is Certificate of Compliance (responsible designer) entified on this Certificate of Compliance conform to the requirements	nsibility for the building design or system design identified on this Ce manufactured devices for the building design or system design identii	 I am eligible under Division 3 of the Business and Professions Code to accept resp The energy features and performance specifications, materials, components, and of Title 24, Part 1 and Part 6 of the California Code of Regulations. 			There are no forms required for this project.	des manual on/off controls as specified in Reference	ystems serving individual dwelling units, design include	04 Image: Constraint of the constraint of
i i	OLD PROFESS	other applicable compliance documents, worksheets, calculations, ng, and made available to the enforcement agency for all applicable	 of Compliance are consistent with the information provided on othe is building permit application. made available with the building permit(s) issued for the building, a large is required to be included with the standard with the standard	 The building design features or system design features identified on this Certifica plans and specifications submitted to the enforcement agency for approval with I will ensure that a completed signed copy of this Certificate of Compliance shall interpretions. 				ewly installed commercial boilers as follows: is designed to operate with a nonpositive vent static	sitive shut-off shall be provided per 160.4(3).on all new n input capacity >= 2.5 MMBtu/h, in which the boiler is	06 Appendix RA4.4.9 Combustion air pu • Boilers wit
0 -	E Mige		Responsible Designer Signature:	Responsible Designer Name: Allen Layman				combined input capacity per stack of 2.5 MMBtu/h.	re one stack serves two or more boilers with a total co air fans with motor >= 10 hp shall meet one of the fol	briter combustion briter combustion
International products Manual products			License:	Company: Nexus Engineering Address:				- mand to <=30% of the total design wattage at 50% of the	or shall be driven by a variable speed drive OR tor shall include controls that limit the fan motor dema volume.	07
volume shall be controlled with respect to itring rate or nue gas oxygen concentration. Use of a common gas and combustion air control linkage or jack shaft is prohibited.	ATE OF CAN		Phone: 209-572-7399	City/State/Zip: Modesto CA 9531				a steady state full-load combustion efficiency < 90% shall a dry basis over firing rates of 20-100%. Combustion air	ilers with an input capacity {d:gte/] 5MMBtu/h and a st tack-gas) oxygen concentrations <= 5% by volume on a	08 Newly installed by maintain excess (s
Generated Date/Time: Documentation Software: EnergyPro	Consult							concentration, use of a common gas and compustion air	ack shaft is prohibited.	volume shall be c control linkage or
Generated Date/Time: Documentation Software: EnergyPro Generated Date/Time: Documentation Software: EnergyPro										
Generated Date/Time: Documentation Software: EnergyPro		Decimentation Cofficer Co	Concreted Data /Time			Concreted Data /Time			Constant Parts / The s	
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance ID: EnergyPro-4796-1124-2285 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance ID: EnergyPro-4796-1124-2285 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance ID: EnergyPro-4796-1124-2285 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance ID: EnergyPro-4796-1124-2285 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance ID: EnergyPro-4796-1124-2285 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance ID: EnergyPro-4796-1124-2285 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance ID: EnergyPro-4796-1124-2285 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance ID: EnergyPro-4796-1124-2285 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance ID: EnergyPro-4796-1124-2285 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance ID: EnergyPro-4796-1124-2285 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance ID: EnergyPro-4796-1124-2285 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance ID: EnergyPro-4796-1124-2285 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance ID: EnergyPro-4796-1124-2285 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance ID: EnergyPro-4796-1124-2285 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance ID: EnergyPro-4796-1124-2285 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance ID: EnergyPro-4796-1124-2285 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance ID: EnergyPro-4796-1124-2285 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance ID: EnergyPro-4796-1124-2285 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance ID: EnergyPro-4796-1124-2285 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance ID: EnergyPro-4796-1124-2285 CA Bui		Documentation Software: EnergyPro Compliance ID: EnergyPro-4796-1124-2285	Generated Date/Time: Report Version: 2022.0.000	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Documentation Software: EnergyPro Compliance ID: EnergyPro-4796-1124-2285	Generated Date/Time: Report Version: 2022.0.000	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Documentation Software: EnergyPro Compliance ID: EnergyPro-4796-1124-2285	Generated Date/Time: Report Version: 2022.0.000	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Schema Version: rev 20220101 Report Generated: 2024-11-04 13:26:32 Report Generated: 2024-11-04 13:26:32 M H		Report Generated: 2024-11-04 13:26:32	Schema Version: rev 20220101		Report Generated: 2024-11-04 13:26:32	Schema Version: rev 20220101		Report Generated: 2024-11-04 13:26:32	Schema Version: rev 20220101	
	Q									
	OOD									
	FOOD									
	DL FOOD									
	OOL FOOD DM									
	CHOOL FOOD OOM									
SCHOOL FOOD	SCHOOL FOOD SROOM									
Level Leve	SSROOM									
	IIGH SCHOOL FOOD LASSROOM									
I HIGH SCHOOL FOOD	A HIGH SCHOOL FOOD CLASSROOM									
	ON HIGH SCHOOL FOOD CE CLASSROOM									
LON HIGH SCHOOL FOOD NCE CLASSROOM	ALON HIGH SCHOOL FOOD NCE CLASSROOM									
* *	CALON HIGH SCHOOL FOOD IENCE CLASSROOM									
	ESCALON HIGH SCHOOL FOOD SCIENCE CLASSROOM									
	ESCALON HIGH SCHOOL FOOD SCIENCE CLASSROOM									
	ESCALON HIGH SCHOOL FOOD SCIENCE CLASSROOM 1528 YOSEMITE AVE. Bate Date									
Recent Accession of the second	GOOD LOOD LOOD ESCALON HIGH SCHOOL POOD BSCENCE CLASSROOM Project Number Date Drawn by									
	Backaron Cables Backaron Cables Backaron Cables Backaron Cables Backaron Cables Backaron Cables Backaron Cables Drawn by Checked by Checked by									

	15	14	13		12		11		1	0			9
	Г												
			DC	DMESTIC WA	IER SIZ	ZING C	CALCUL	4 I I O I	N				
A				WATER SIZING AND 2022 CPC,	WORKSHEET F APPENDIX A	PER 2022 CP	C TABLE 610.3						
	-				TABLE A-2					MINIMUM			
					FIXTURE TYP	ΡE				BRANCH SIZE			
		SOURCE DATA		1							QTY	FU	TOTAL
		MIN. PRESSURE AVAILABLE:	30.0	PSI	BATHTUB/BA	TH-SHOWER	R COMB. (FILL)			1/2"	0	4.0	0.0
					BIDET					1/2"	0	1.0	0.0
-			05.5		CLOTHESWA	SHER				1/2"	1	4.0	4.0
в			25.5	F.U.		T, CUSPIDOF	κ			1/2"	0	1.0	0.0
			17.0	GPM CHARTATUS.T				D		3/4	1	3.0	3.0
			17.0	GPM			WATERCOOLE	.n		1/2	1	2.5	2.5
		TOTAL DEMAND.	17.0		HOSE BIBB (F					1/2"	0	1.0	0.0
		SOURCE TO PUMP			LAVATORY (H	HAND SINK)				1/2"	4	1.0	4.0
		DISTANCE:	0	FT	LAWN SPRIN	KLER, EACH	I HEAD			-	0	1.0	0.0
		ELEVATION CHANGE:	0	FT	SINK, BAR TY	/PE				1/2"	0	2.0	0.0
		FRICTION LOSS:	0.0	PSI	SINK, CLINIC	FAUCET				1/2"	0	3.0	0.0
		TOTAL LOSS:	0.0	PSI	SINK, CLINIC	FLUSHOME	TER VALVE			1/2"	0	1.5	0.0
_					SINK, KITCHE	EN DOMEST	IC			1/2"	8	1.5	12.0
С		BOOSTER PUMP:	0	PSI	SINK, LAUND	RY				1/2"	0	1.5	0.0
					SINK, SERVIC	CE OR MOP	BASIN			1/2"	0	3.0	0.0
		BUILDING SYSTEM			SINK, WASHU	JP (EACH SE	T OF FAUCETS	5)		1/2"	0	2.0	0.0
			200		SHOWER					1/2	0	2.0	0.0
		MOST REMOTE FIXTURE:	200		URINAL, 1.00					3/4	0	4.0	0.0
		METER:		PSI CHART A102.2		SH TANK				1/2"	0	2.0	0.0
		BACKELOW PREVENTER	12	PSI	WASHFOUNT	AIN CIRCUI	AR SPRAY			3/4"	0	4.0	0.0
		SOFTENER:	0	PSI	WATER CLOS	SET. 1.6 GPF		<		1/2"	0	2.5	0.0
		FILTER:	0	PSI	WATER CLOS	SET, 1.6 GPF	FLUSHOMETE	R TANK		1/2"	0	2.5	0.0
		MISC:	0	PSI	WATER CLOS	SET, 1.6 GPF	FLUSHOMETE	R VALVE		1"	2	5.0	10.0
D		TOTAL BUILDING SYSTEM LOSS:	13.7	PSI	WATER CLOS	SET > 1.6 GP	F GRAVITY TA	١K		1/2"	0	5.0	0.0
					WATER CLOS	SET > 1.6 GP	F FLUSHOMET	ER VALVE		1"	0	7.0	0.0
		FLUSH TANK SYSTEM (8 PSI RESID):	4.1	PSI/100'							Т	OTAL:	25.5
		BUILDING SUPPLY PIPE SIZE:	1-1/4"	INCHES									
					-								
							S MAX)			TER (5 EPS MA)	0		
				<u>00LD</u> 917E				917E	DP/100'				
						$\frac{ V }{2}$		<u> 312E</u>	4.0			<u>. ווא רדי</u> ס פ	5
				1/2" ੨/ / "	4.0 2.2	1 2 6	∠.ŏ 3.7	1/Z" 3/A"	4.0 4.0	Z.Z 1		∠.ŏ 3.7	
F				1"	4.0 12	0 16	4.5	1"	4.0	12.0 16		4.5	
-				1 1/4"	3.6 19.	0 28	5.2	1 1/4"	3.6	19.0 28		5.0	
	· • • • • • • • • • • • • • • • • • • •												

	PLUMBING FIXTURE SCHEDULE
MARK	DESCRIPTION
<u>FD-1</u>	FLOOR DRAIN: CAST IRON BODY, BOTTOM OUTLET, DESIGNED FOR FOOT TRAFFIC, NICKEL BRONZE STRAINER. 2" NO-HUB OUTLET, ½" TRAP PRIMER CONNECTION, SQUARE GRATE. ZURN #Z415S-DP-NH-P.
<u>FS-1</u>	FLOOR SINK: 12"x12"x6" DEEP CAST IRON BODY, ½ SLOTTED MEDIUM DUTY GRATE, ACID RESISTANT PORCELAIN ENAMEL COATED INTERIOR AND TOP, DOME STRAINER, NO-HUB 2" OUTLET, WATTS #FS-730.
<u>FS-2</u>	FLOOR SINK: 12"x12"x6" DEEP CAST IRON BODY, ½ SLOTTED MEDIUM DUTY GRATE, ACID RESISTANT PORCELAIN ENAMEL COATED INTERIOR AND TOP, DOME STRAINER, NO-HUB 3" OUTLET, WATTS #FS-730.
<u>HB-1</u>	HOSE BIBB: ANTI-SIPHON, WALL FAUCET IN LOCK BOX WITH VACUUM BREAKER, LOOSE KEY, WOODFORD #B24.
CWB-1	WALL BOX: WHITE, 7-5/8" x 6-5/8" x 3", HOT AND COLD WATER CONNECTIONS, 2" DRAIN CONNECTION, SOLDERED CONNECTIONS WITH 1/4 TURN BALL VALVE, LSP PRODUCTS #OB-201T.
<u>WH-1</u>	NATURAL GAS WATER HEATER: 100 GALLON STORAGE, 199,000 BTU, 97% THERMAL EFF., T&P RELIEF, VALVE, TEM 120° F, A.O. SMITH #BTH-199A. OP.WT. = 1081#. PROVIDE WITH CONDENSATE NEUTRALIZATION KIT.
<u>CP-1</u>	CIRCULATION PUMP: BRONZE BODY, POLYPROPYLENE IMPELLER, CERAMIC SHAFT, ³ / ₄ " FLANGED CONNECTIONS, GPM @ 8' HD, 120V/1PH, 1/40 HP, OP.WT. 3.6 lbs. B&G #NBF-12F/LW. PROVIDE WITH AUTOMATIC TIMER KIT. PROVIDI WITH AQUASTAT TO TURN ON CIRCULATOR AT LESS THAN 100 DEG. F., AND TURN OFF CIRCULATOR @ 105 DEG. F SIZE FOR ³ / ₄ " RETURN LINE.
<u>ET-1</u>	EXPANSION TANK: 2.1 GALLON TANK VOLUME, 1.2 ACCEPTANCE VOLUME, BUTYL DIAPHRAGM BLADDER, MAX OPERATING TEMP = 240°F, MAX WORKING PRESSURE = 125 PSI, FACTORY PRE-CHARGED TO 12 PSI, DIM = 7.9" DIA 12.9" LONG, WEIGHT = 6 LBS, WELDED STEEL CONSTRUCTION, AMTROL "THERM-X-TROL" #ST-12-C. ASME RATED

15

13

FIXTURE	SYM	M WASTE TRAP VENT COLD WATE		WATER	HOT WATER				
		BRANCH	ROUGH			BRANCH	ROUGH	BRANCH	ROUGH
SINK	S	2"	1-1/2"	1-1/2"	1-1/2"	3/4"	3/4"	3/4"	3/4"
3-COMP SINK	S					3/4"	3/4"	3/4"	3/4"
FLOOR DRAIN	FD	2"	2"	2"	2"				
FLOOR SINK	FS	2"/3"	2"/3"	2"/3"	2"				
CLOTHES WASHER BOX	CWB	3"	3"	3"	2"	3/4"	3/4"	3/4"	3/4"

EFF., T&P RELIEF, VALVE, TEMP RALIZATION KIT.

, ³/₄" FLANGED CONNECTIONS, 0.5 JTOMATIC TIMER KIT. PROVIDE OFF CIRCULATOR @ 105 DEG. F.,

APHRAGM BLADDER, MAX RGED TO 12 PSI, DIM = 7.9" DIA. x

SCHEDULE

PLUMBING GENERAL NOTES

SCOPE: A COMPLETE DOMESTIC PLUMBING SYSTEM AS GENERALLY DELINEATED ON THE PLUMBING DRAWINGS, INCLUDING SERVICE PIPING AND FINAL CONNECTIONS TO EQUIPMENT FURNISHED AND INSTALLED BY OTHER TRADES AS MAY BE SHOWN ON THE ARCHITECTURAL, ELECTRICAL OR OTHER DRAWINGS OF THE CONTRACT DOCUMENTS. CALIFORNIA CODE OF REGULATIONS:

6

- ALL HOT WATER DISTRIBUTION AND CIRCULATION LINES SHALL BE INSULATED IN ACCORDANCE WITH SECTION 120.3 OF THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 6, SUBCHAPTER 3.
- ALL PLUMBING FIXTURES & EQUIPMENT USED (E.G. SHOWERHEADS, LAVATORY FAUCETS, SINK FAUCET AND WATER HEATERS) SHALL HAVE BEEN CERTIFIED TO THE CALIFORNIA ENERGY COMMISSION BY ITS MANUFACTURER TO COMPLY WITH THE EFFICIENCY STANDARDS FOR SUCH APPLIANCES. 4. CODES:
- ALL WORK, MATERIAL, AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED IN COMPLIANCE WITH THE FOLLOWING CODES AS ADOPTED AND AMENDED BY THE INSPECTING AUTHORITY HAVING JURISDICTION. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT THE INSTALLATION OF WORK, MATERIAL OR EQUIPMENT NOT CONFORMING TO THESE OR OTHER CODES APPLICABLE TO THIS PROJECT.
 - A. 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC) PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
 - B. 2022 CALIFORNIA BUILDING CODE (CBC) PART 2, TITLE 24, CCR BASED ON THE 2021 INTERNATIONAL BUILDING CODE (IBC)
 - C. 2022 CALIFORNIA ELECTRICAL CODE (CEC) PART 3, TITLE 24, CCR BASED ON THE 2020 NATIONAL ELECTRICAL CODE (NEC)
 - D. 2022 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24, CCR BASED ON THE 2021 UNIFORM MECHANICAL CODE (UMC) E. 2022 CALIFORNIA PLUMBING CODE (CPC) PART 5, TITLE 24, CCR BASED ON THE 2021
 - UNIFORM PLUMBING CODE (UPC) F. 2022 CALIFORNIA ENERGY CODE (CEC) PART 6, TITLE 24 CCR.
 - G. 2022 CALIFORNIA FIRE CODE (CFC) PART 9, TITLE 24, CCR BASED ON THE 2021
 - INTERNATIONAL FIRE CODE (IFC) H. 2022 CALIFORNIA GREEN BUILDING STANDARDS (CGBSC) PART 11, TITLE 24, CCR
- 5. WORKMANSHIP: ALL WORK SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER ACCORDING TO THE BEST TRADE PRACTICE BY THOSE SKILLED IN THE PARTICULAR TRADE. EQUIPMENT, FIXTURES, PIPING, ETC., SHALL BE PLUMB, LEVEL, SQUARE AND/OR CENTERED, ETC. EQUIPMENT TO BE INSTALLED IN STRICT COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- EXISTING INFORMATION: LOCATION, SIZE, ELEVATION, MATERIAL, ETC., OF EXISTING UTILITIES IS PROVIDED FROM SOURCES DEEMED RELIABLE BUT IS NOT GUARANTEED. THE CONTRACTOR SHALL FIELD VERIFY ALL DATA BEFORE PROCEEDING WITH ANY WORK. NO EXTRA COST WILL BE ALLOWED FOR SERVICES NOT AS SHOWN.
- PERMITS AND UTILITY SERVICE FEES:
- THE PLUMBING CONTRACTOR SHALL ARRANGE AND PAY FOR ALL PERMITS, INSPECTIONS, AND SERVICE CHARGES REQUIRED FOR THE INSTALLATION OF THE WORK. ACCURACY:
- PLANS ARE DIAGRAMMATIC. THE CONTRACTOR SHALL CONFIRM ALL DIMENSIONS AND LOCATION OF WALLS, PARTITIONS, FIXTURES, ETC., AGAINST DESIGN PLANS FOR CONSISTENCY AND ACCURACY PRIOR TO COMMENCING WORK.
- PROVIDE AND INSTALL CONDENSATE DRAIN WITH TRAP AT EACH A/C UNIT PER THE UPC, AT LOCATIONS SHOWN ON DRAWINGS. COORDINATE WITH MECHANICAL CONTRACTOR. 10. PROVIDE AND INSTALL ACCESS PANELS FOR ALL SHUT-OFF, ISOLATION, OR BRANCH VALVES NOT READILY ACCESSIBLE. ACCESS PANELS SHALL BE PROVIDED AND INSTALLED AT ALL
- TRAP PRIMER VALVES AND WATER HAMMER ARRESTORS. 11. ALL PIPING PASSING THROUGH CONCRETE FLOORS SHALL BE SLEEVED TO PROTECT PIPING AGAINST BREAKAGE.
- 12. HORIZONTAL DRAINAGE PIPING LESS THAN 4" IN DIAMETER SHALL BE SLOPED AT A MINIMUM OF 1/4" PER FOOT (2%) DRAINAGE PIPING 4" AND LARGER SHALL BE SLOPED AT A MINIMUM OF 1/4" PER FOOT (2%) UNLESS OTHERWISE APPROVED BY THE AHJ.
- 13. ALL PLUMBING FIXTURES AND PIPING SHALL BE LISTED BY AN APPROVED LISTING AND TESTING AGENCY AND PROPERLY LABELED. 14. ALL PIPES SHALL BE LABELED WITH CLASSIFICATION, COLOR SCHEME, AND SIZING PER ANSI STANDARD A13.1.

DEMOLITION NOTES

- THE CONTRACTOR SHALL VISIT THE PROJECT SITE AND MAKE HIMSELF AWARE OF ALL EXISTING CONDITIONS WHICH CAN BE OBSERVED. ADDITIONAL COSTS WILL NOT BE ALLOWED FOR CORRECTION OF ITEMS WHICH CAN BE OBSERVED AND THEREFORE SHOULD BE INCLUDED IN HIS BID. THE CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED TO COMPLETE THIS PROPOSED PROJECT.
- THE NOTES AND DRAWINGS CONTAINED ON THIS SHEET DESCRIBE IN A GENERAL SENSE THE EXTENT OF ITEMS TO BE MODIFIED, REMOVED OR INSTALLED. THIS DESCRIPTION DOES NOT NECESSARILY INCLUDE A DESCRIPTION OF ITEMS TO BE REPAIRED OR REFINISHED AS A RESULT OF THIS REMOVAL OR MODIFICATION. IN THE ABSENCE OF ANY SPECIFIC DIRECTION, THE CONTRACTOR SHALL REPAIR THE AFFECTED AREA(S) TO A CONDITION EQUAL TO THE ADJACENT
- AREA(S) AND/OR SIMILAR EXISTING CONDITIONS ON PROJECT. THE CONTRACTOR SHALL PROVIDE DUST AND DEBRIS CONTROL THROUGHOUT THE PROJECT'S CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE BUILDING OWNER TO PROVIDE THE LEAST INTERRUPTION OF EXISTING BUILDING OPERATIONS. COORDINATE WITH THE OWNER THE LOCATION OF ON-SITE STORAGE AND STAGING.
- NOT ALL REQUIRED PATCHING AND/OR REPAIRS ARE SPECIFICALLY NOTED ON THIS PLAN.
- COORDINATE DEMOLITION WORK WITH NEW PROPOSED FLOOR PLANS. CONTRACTOR SHALL DISCARD AND DISPOSE OF ALL DEMOLISHED ITEMS.
- EXISTING PIPING AND ELECTRICAL OR COMMUNICATION CONDUITS WHICH INTERFERE WITH THE WORK SHALL BE RE-ROUTED BY THE CONTRACTOR.

PLUMBING MATERIAL SPECIFICATIONS

- A. DWV PIPE: SERVICE WEIGHT CAST IRON SOIL PIPE PER ASTM A-74
- FITTINGS: CAST IRON "NO-HUB" PER CISPI 310
- **B. DOMESTIC WATER**
- PIPE: COPPER TYPE L PER ASTM B-88 FITTINGS: WROUGHT COPPER PER ANSI 16.22
- INSULATION (3/4" DIA. PIPE AND SMALLER): INSULATE HW & HWR WITH 1" FIBERGLASS INSULATION AND ALL-SERVICE-JACKET
- INSULATION (1" 1-1/2" DIA. PIPE): INSULATE HW & HWR WITH 1-1/2" FIBERGLASS
- INSULATION AND ALL-SERVICE-JACKET INSULATION (2" DIA. PIPE AND LARGER): INSULATE HW & HWR WITH 2" FIBERGLASS
- INSULATION AND ALL-SERVICE-JACKET
- C. CONDENSATE DRAIN PIPE: COPPER TYPE L PER ASTM B-88
- FITTINGS: WROUGHT COPPER PER ANSI 16.22
- D. NATURAL GAS (ABOVE GRADE 2-1/2" & SMALLER)
- PIPE: SCH 40 BLACK STEEL, THREADED PER ASTM A-53 FITTINGS: SCREWED MALLEABLE IRON PER ANSI B-16.3
- E. NATURAL GAS (ABOVE GRADE 3" & LARGER)
- PIPE: SCH 40 BLACK STEEL PER ASTM A-53 FITTINGS: CARBON STEEL BUTT WELD PER ASTM A234
- F. NATURAL GAS BELOW GRADE (G)
- PIPE: MEDIUM DENSITY POLYETHYLENE TUBING PER ASTM D 2513 FITTINGS: HEAT FUSION FITTINGS ASTM D 2513



SYMB	OL	ABBREVIATION	DESCRIPTION
		SS	SOIL, WASTE OR SANITARY SEWER BELOW FLOOR
		SS	SOIL, WASTE OR SANITARY SEWER OVERHEAD
		V	VENT PIPING
			COLD WATER
		HW (110 ⁻ , 140 ⁻)	HOT WATER SUPPLY
G-		G	NATURAL GAS - LOW PRESSURE
<u> </u>	x x x x -	G	EXISTING TO BE REMOVED
—D—OR	—IW—	D OR IW	DRAIN OR INDIRECT WASTE
CD		CD	CONDENSATE DRAIN
OC[)	OCD	
		SD, RWL	STORM DRAIN, RAINWATER LEADER
	1	AD. AP	ACCESS DOOR ACCESS PANEL
г. Р	J	AC	AIR CHAMBER
		ANV	ANGLE VALVE
Ý		AQ	AQUASTAT
	Ш	AD	AREA DRAIN
₽ T		AAV	
		BV	
			BRANCH - BOTTOM CONNECTION
	_		BRANCH - SIDE CONNECTION
		BFV	BUTTERFLY VALVE
	—3	СОР	CAP ON END OF PIPE
——人	—	CBV	CALIBRATED BALANCE VALVE
<u> </u>		CB, RD	
	<u>≪co</u>	CO	CLEANOUT PLUG
		CR	CONCENTRIC REDUCER
Ø		DIA	DIAMETER
— <u></u>		ER	ECCENTRIC REDUCER
	₫	FC	
		FCO	FLOOR CLEANOUT
Ęş		FD	FLOOR DRAIN
<u> </u>		GCK	GAGE COCK
		SOV	SHUT OFF VALVE
-+- \$	+	GSCK, PC	GAS COCK, PLUG COCK
		GPR	GAS PRESSURE REGULATOR
——XX		GL. V.	GLOBE VALVE
		GCO	
¥			
		PG	PIPE GUIDE
•		POC	POINT OF CONNECTION
	<u> </u>	PRV	PRESSURE REDUCING VALVE
<u> </u>	_	PG	PRESSURE GAUGE
	\$ <u></u>	RV or T&P	RELIEF VALVE OR TEMPERATURE & PRESSURE RELIEF VALVE
		SV	SOLENOID VALVE
		SIR	
₽		тн	
— ТР		TP	TRAP PRIMER
 ⊢		UN	UNION OR FLANGE
Ģ		WCO	WALL CLEANOUT
		SHEET	INDEX
HEET NO.	DESCRIPT	ION	
0.0	PLUMBING	- LEGEND, NOTES & SCHE	DULES
- 			NOTES
U. 1			
1.U	PLUMBING		
2.0	PLUMBING	- FLOOR PLAN	
2.1	PLUMBING	- ENLARGED FLOOR PLAN	
23.0	PLUMBING	- DETAILS	
23.1	PLUMBING	- DETAILS	

12 11 10 9 8 7 6 5 4 3 2



MEP Component Anchorage Note	PLUMBING GREEN BU	JILDING	g coe
All mechanical, plumbing, and electrical components shall be anchored and installed per the details on the DSA approved construction documents. The following components shall be anchored or braced to meet the force and displacement requirements prescribed in the 2022 CBC, Sections 1617A.1.18 through 1617.A.1.26 and ASCE 7-16 Chapter 13, 26 and 30.	EQUIRED <u>SECTION 5.301 GENERAL</u> 5.301.1 SCOPE. THE PROVISIONS OF THIS CHAPTER SHALL ESTABLISH THE MEANS OF CONSERVING WATER USE INDOORS, OUTDOORS AND IN WASTEWATER CONVEYANCE.	REQUIRED	SECT 5.303.1 DESCR
 All permanent equipment and components. Temporary, movable or mobile equipment that is permanently attached (e.g. hard wired) to the building utility services such as electricity, gas or water. "Permanently attached" shall include all electrical utility services except plugs for 110/120 yolt receptacles having a flexible cable 	SECTION 5.302 DEFINITIONS 5.302.1 DEFINITIONS. THE FOLLOWING TERMS ARE DEFINED IN CHAPTER 2 (AND ARE INCLUDED HERE FOR REFERENCE)		5 IN
 temporary, movable or mobile equipment which is heavier than 400 pounds or has a center of mass located 4 feet or more above the adjacent floor or roof level that directly support the component is required to be restrained in a manner approved by DSA. 	EVAPOTRANSPIRATION ADJUSTMENT FACTOR (ETAF) [DSA-SS]. AN ADJUSTMENT FACTOR WHEN APPLIED TO REFERENCE EVAPOTRANSPIRATION THAT ADJUSTS FOR PLANT FACTORS AND IRRIGATION EFFICIENCY, WHICH AE TWO MAJOR INFLUENCES ON THE AMOUNT OF WATER THAT NEEDS TO BE APPLIED TO THE LANDSCAPE.		
The following mechanical and electrical components shall be positively attached to the structure, but need not demonstrate design compliance with the references noted above. These components shall have flexible connections provided between the component and associated ductwork, piping, and conduit. Flexible connections must allow movement in both transverse and longitudinal directions:	FOOTPRINT AREA [DSA-SS]. THE TOTAL AREA OF THE FURTHEST EXTERIOR WALL OF THE STRUCTURE PROJECTED TO NATURAL GRADE, NOT INCLUDING EXTERIOR AREAS SUCH AS STAIRS, COVERED WALKWAYS, PATIOS AND DECKS. METERING FAUCET. A SELF-CLOSING FAUCET THAT DISPENSES A SPECIFIC VOLUME OF WATER FOR		
 A. Components weighing less than 400 pounds and have a center of mass located 4 feet or less above the adjacent floor or roof level that directly support the component. B. Components weighing less than 20 pounds, or in the case of distributed systems, less than 5 pounds per foot, which are suspended from a roof or floor or hung from a wall. 	EACH ACTUATION CYCLE. THE VOLUME OR CYCLE DURATION CAN BE FIXED OR ADJUSTABLE. GRAYWATER. PURSUANT TO HEALTH AND SAFETY CODE SECTION 17922.12, "GRAYWATER" MEANS UNTREATED WASTEWATER THAT HAS NOT BEEN CONTAMINATED BY ANY TOILET DISCHARGE, HAS NOT BEEN AFFECTED BY INFECTIOUS, CONTAMINATED, OR UNHEALTHY BODILY WASTES, AND DOES NOT PRESENT A THREAT FROM CONTAMINATION BY UNHEALTHFUL PROCESSING, MANUFACTURING, OR OPERATING WASTES. "GRAYWATER" INCLUDES, BUT IS NOT LIMITED TO WASTEWATER FROM		5 P P
The anchorage of all mechanical, electrical and plumbing components shall be subject to the approval of the design professional in general responsible charge or structural engineer delegated responsibility and acceptance by DSA. The project inspector will verify that all components and equipment have been anchored in accordance with above requirements.	BATHTUBS, SHOWERS, BATHROOM WASHBASINS, CLOTHES WASHING MACHINES AND LAUNDRY TUBS, BUT DOES NOT INCLUDE WASTE WATER FROM KITCHEN SINKS OR DISHWASHERS. MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). THE CALIFORNIA ORDINANCE REGULATING LANDSCAPE DESIGN, INSTALLATION AND MAINTENANCE PRACTICES THAT WILL ENSURE COMMERCIAL, MULTIFAMILY AND OTHER DEVELOPER INSTALLED LANDSCAPES GREATER THAN 2500		5.303.3 C F 5
Piping, Ductwork, and Electrical Distribution System Bracing Note Piping, ductwork, and electrical distribution systems shall be braced to comply wth the forces and displacements prescribed in ASCE 7-16 Section 13.3 as defined in ASCE 7-16 Section 13.6.5, 13.6.6, 13.6.7, 13.6.8 and 2022 CRC. Sections 1617A 1.24, 1617A 1.25 and 1617A 1.26	SQUARE FEET MEET AN IRRIGATION WATER BUDGET DEVELOPED BASED ON LANDSCAPED AREA AND CLIMATOLOGICAL PARAMETERS. MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). [HCD] THE CALIFORNIA MODEL ORDINANCE (CALIFORNIA CODE OF REGULATIONS, TITLE 23, DIVISION 2, CHAPTER 2.7), REGULATING LANDSCAPE DESIGN, INSTALLATION AND MAINTENANCE PRACTICES. LOCAL AGENCIES ARE REQUIRED TO ADORT THE URDATED MWELO. OR ADORT AL OCAL ORDINANCE AT LEAST AS EFFECTIVE AS THE		E P T N
The method of showing bracing and attachments to the structure for the identified distribution system are as noted below. When bracing and attachments are based on a preapproved installation guide (e.g., HCAi OPM for 2013 CBC or later), copies of the bracing system installation guide or manual shall be available on the jobsite	MWELO. POTABLE WATER. WATER THAT IS DRINKABLE AND MEETS THE U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) DRINKING WATER STANDARDS. SEE DEFINITION IN THE CALIFORNIA PLUMBING CODE, PART 5.		5 P 5 5 N
Prior to the start of and during the hanging and bracing of the distribution systems. The Structural Engineer of Record shall verify the adequacy of the structure to support the hanger and brace loads. Mechanical Piping (MP), Mechanical Ducts (MD), Plumbing Piping (PP), Electrical Distribution Systems (E):	POTABLE WATER. [HCD] WATER THAT IS SATISFACTORY FOR DRINKING, CULINARY, AND DOMESTIC PUROSES, AND MEETS THE U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) DRINKING WATER STANDARDS AND THE REQUIREMENTS OF THE HEALTH AUTHORITY HAVING JURISDICTION. RECYCLED WATER. WATER WHICH, AS A RESULT OF TREATMENT OF WASTE, IS SUITABLE FOR A		P 5 N C
MP MD PP K E - Option 1: Detailed on the approved drawings with project specific notes and details.	SUBMETER. A METER INSTALLED SUBORDINATE TO A SITE METER. USUALLY USED TO MEASURE WATER INTENDED FOR ONE PURPOSE, SUCH AS LANDSCAPE IRRIGATION, FOR THE PURPOSES OF		P C
MP MD PP E - Option 2: Shall comply with the applicable HCAi Pre-Approval (OPM #) #	CALGREEN, A DEDICATED METER MAY BE CONSIDERED A SUBMETER. WATER BUDGET. IS THE ESTIMATED TOTAL LANDSCAPE IRRIGATION WATER USE WHICH SHALL NOT EXCEED THE MAXIMUM APPLIED WATER ALLOWANCE CALCULATED IN ACCORDANCE WITH THE DEPARTMENT OF WATER RESOURCES MODEL EFFICIENT LANDSCAPE ORDINANCE (MWELO).	X	5
		X	5.303.4
			Т М И
		X	5.303.5 THE CA OF SEC ALTER
		X	5.303.6 SHALL APPLIC CHAPT

4 3 2 1	<u> </u>	[]
	A	
ECTION 5.303 INDOOR WATER USE 303.1 METERS. SEPARATE SUBMETERS OR METERING DEVICES SHALL BE INSTALLED FOR THE USES ESCRIBED IN SECTIONS 503.1.1 AND 503.1.2.		
5.303.1.1 BUILDINGS IN EXCESS OF 50,000 SQUARE FEET. SEPARATE SUBMETERS SHALL BE INSTALLED AS FOLLOWS:	-	
1. FOR EACH INDIVIDUAL LEASED, RENTED OR OTHER TENANT SPACE WITHIN THE BUILDING PROJECTED TO CONSUME MORE THAN 100 GAL/DAY (380 L/DAY), INCLUDING, BUT NOT LIMITED TO, SPACES USED FOR LAUNDRY OR CLEANERS, RESTAURANT OR FOOD SERVICE, MEDICAL OR DENTAL OFFICE, LABORATORY, OR BEAUTY SALON OR BARBER SHOP.	в	
2. WHERE SEPARATE SUBMETERS FOR INDIVIDUAL BUILDING TENANTS ARE UNFEASIBLE, FOR WATER SUPPLIED TO THE FOLLOWING SUBSYSTEMS:		
GPM (30 L/S). B. MAKEUP WATER FOR EVAPORATIVE COOLERS GREATER THAN 6 GPM (0.04 L/S). C. STEAM AND HOT WATER BOILERS WITH ENERGY INPUT MORE THAN 500,000 BTU/H (147 KW).		architects
5.303.1.2 EXCESS CONSUMPTION. A SEPARATE SUBMETER OR METERING DEVICE SHALL BE PROVIDED FOR ANY TENANT WITHIN A NEW BUILDING OR WITHIN AN ADDITION THAT IS PROJECTED TO CONSUME MORE THAN 1,000 GAL/DAY.	C	TIMOTHY P. HUFF & ASSOCIATES, INC. Timothy P. Huff, AIA Architect 519 McHenry Ave., Modesto, CA 95354
303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. PLUMBING FIXTURES (WATER CLOSETS AND URINALS) AND FITTINGS (FAUCETS AND SHOWERHEADS) SHALL COMPLY WITH THE FOLLOWING:		Ph: (209) 571-2232 Fax: (209) 571-1936
5.303.3.1 WATER CLOSETS. THE EFFECTIVE FLUSH VOLUME OF ALL WATER CLOSETS SHALL NOT EXCEED 1.28 GALLONS PER FLUSH. TANK-TYPE WATER CLOSETS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA WATERSENSE SPECIFICATION FOR TANK-TYPE TOILETS.	D	No. C 15527 ★ W. REN-525
NOTE: THE EFFECTIVE FLUSH VOLUME OF DUAL FLUSH TOILETS IS DEFINED AS THE COMPOSITE, AVERAGE FLUSH VOLUME OF TWO REDUCED FLUSHES AND ONE FULL FLUSH.		FILL OF CALLED
5.303.3.2 URINALS. THE EFFECTIVE FLUSH VOLUME OF URINALS SHALL NOT EXCEED 0.5 GALLONS PER FLUSH.	-	Copyright 2024 - Timothy P. Huff & Associates
5.303.3.3 SHOWERHEADS. 5.303.3.3.1 SINGLE SHOWERHEAD. SHOWERHEADS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 2.0 GALLONS PER MINUTE AT 80 PSI. SHOWERHEADS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA WATERSENSE SPECIFICATION FOR SHOWERHEADS.	E	maria
5.303.3.3.2 MULTIPLE SHOWERHEADS SERVING ONE SHOWER. WHEN A SHOWER IS SERVED BY MORE THAN ONE SHOWERHEAD, THE COMBINED FLOW RATE OF ALL THE SHOWERHEADS AND/OR OTHER SHOWER OUTLETS CONTROLLED BY A SINGLE VALVE SHALL NOT EXCEED 2.0 GALLONS PER MINUTE AT 80 PSI, OR THE SHOWER SHALL BE DESIGNED TO ALLOW ONLY ONE SHOWER OUTLET TO BE IN OPERATION AT A TIME.		engineering
NOTE: A HAND-HELD SHOWER SHALL BE CONSIDERED A SHOWERHEAD.		Consulting Mechanical Engineers 1400 Lone Palm Ave, Suite A Modesto, CA 95351
5.303.3.4 FAUCETS AND FOUNTAINS. 5.303.3.4.1 NONRESIDENTIAL LAVATORY FAUCETS. LAVATORY FAUCETS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 0.5 GALLONS PER MINUTE AT 60 PSI.	F	w w w . n e x u s e n g i n e e r i n g . n e t HVAC . Plumbing/Piping . Fire Sprinklers Process/Plant Engineering . Refrigeration
5.303.3.4.2 KITCHEN FAUCETS. KITCHEN FAUCETS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 1.8 GALLONS PER MINUTE AT 60 PSI. KITCHEN FAUCETS MAY TEMPORARILY INCREASE THE FLOW ABOVE THE MAXIMUM RATE, BUT NOT TO EXCEED 2.2 GALLONS PER MINUTE AT 60 PSI, AND MUST DEFAULT TO A MAXIMUM FLOW RATE OF 1.8 GALLONS PER MINUTE AT 60 PSI.	_	PROFESSIONA LEN LAWY 130009 2016
5.303.3.4.3 WASH FOUNTAINS. WASH FOUNTAINS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 1.8 GALLONS PER MINUTE/20 [RIM SPACE (INCHES) AT 60 PSI].		OF MECHANICALIFORNIA
5.303.3.4.4 METERING FAUCETS. METERING FAUCETS SHALL NOT DELIVER MORE THAN 0.20 GALLONS PER CYCLE.	G	
5.303.3.4.5 METERING FAUCETS FOR WASH FOUNTAINS. METERING FAUCETS FOR WASH FOUNTAINS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 0.20 GALLONS PER MINUTE/20 [RIM SPACE (INCHES) AT 60 PSI].		Consultants
NOTE: WHERE COMPLYING FAUCETS ARE UNAVAILABLE, AERATORS OR OTHER MEANS MAY BE USED TO ACHIEVE REDUCTION. 303.4 COMMERCIAL KITCHEN EQUIPMENT.		
5.303.4.1 FOOD WASTE DISPOSERS. DISPOSERS SHALL EITHER MODULATE THE USE OF WATER TO NO MORE THAN 1 GPM WHEN THE DISPOSER IS NOT IN USE (NOT ACTIVELY GRINDING FOOD WASTE/NO-LOAD) OR SHALL AUTOMATICALLY SHUT OFF AFTER NO MORE THAN 10 MINUTES OF INACTIVITY. DISPOSERS SHALL USE NO MORE THAN 8 GPM OF WATER.	н	
NOTE: THIS CODE SECTION DOES NOT AFFECT LOCAL JURISDICTION AUTHORITY TO PROHIBIT OR REQUIRE DISPOSER INSTALLATION.	-	
303.5 AREAS OF ADDITION OR ALTERATION. FOR THOSE OCCUPANCIES WITHIN THE AUTHORITY OF HE CALIFORNIA BUILDING STANDARDS COMMISSION AS SPECIFIED IN SECTION 103, THE PROVISIONS F SECTION 5.303.3 AND 5.303.4 SHALL APPLY TO NEW FIXTURES IN ADDITIONS OR AREAS OF TERATION TO THE BUILDING.		FOC TES
303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS. PLUMBING FIXTURES AND FITTINGS 1ALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE, AND SHALL MEET THE		
PPLICABLE STANDARDS REFERENCED IN TABLE 1701.1 OF THE CALIFORNIA PLUMBING CODE AND IN HAPTER 6 OF THIS CODE.		
	J	H SC SSR UILDIN
	к	ESCA SCIEN 528 YOSEN ESCALON, (ESCALON, (ESCALON, L
		Project Number 2321 Date 7/5/24
		Drawn by DW Checked by GI
	L	P0.1
4 3 2 1	+	Plot Date & Time



	3	2	1			
				A		
				B		
				C	TIMOTHY P. HUFF & ASSOCIATES, INC. Timothy P. Huff, AIA Architect 519 McHenry Ave., Modesto, CA 953: Ph: (209) 571-2232 Fax: (209) 571-19	54 936
				D	Ng. C 15527 REN. 5/25 Copyright 2024 - Timothy P. Huff & Asso	ciate
				E	nexus engineering	
				F	Consulting Mechanical Engineers 1400 Lone Palm Ave, Suite A Modesto, CA 95351 Tel: 209.572.7399 Fax: 209.236.1579 www.nexusengineering.net HVAC. Plumbing/Piping. Fire Sprinklers Process/Plant Engineering. Refrigeration	
				G	Consultants	
				н		
				1	OL FOOD I	
4"CW 4"CW SOV TER BOX				J	IGH SCHO ASSROON OOL DISTRICT LITION FLOOR PI	
2"CW CAPPED				ĸ	SCALON H CIENCE CI B YOSEMITE AVE CALON, CA 95320 CALON UNIFIED SCH	
				=	Project Number 2 Date 7/5 Drawn by Checked by	232 5/24 DW GL
	3	2	1		Plot Date & Time	







NTERCE	РТО	R	C	AL	CUL	ATIONS
G PER 2022 CALIFORNIA PLUMBING CODE, TABLE 1014.3.6						
AVITY GREASE I	NTERC	EPI	ſOF	R SI	ZING	
FLOOR DRAIN FLOOR SINK 1-COMP SINK 3-COMP SINK HAND SINK	2 FU 3 FU 2 FU 3 FU 2 FU	X X X X X	2 2 5 2 4	= = = =	4 FU 6 FU 10 FU 6 FU 8 FU	
				_	34 FU	1,200 GALLON 86 FU MAX.



GL

10	9	8	7	6	5	4



OPPER TUBE & PIPE HANGER SCHD HORIZONTAL SUPPORT SOLDER OR BRAZED JOINTS					
IPE SIZE	HANGER ROD	MAX HORIZONTAL SPAN			
1/2"	3/8"	6'			
3/4"	3/8"	6'			
1"	3/8"	6'			
1-1/4"	3/8"	6'			
1-1/2"	3/8"	6'			
2"	3/8"	10'			
2-1/2"	3/8"	10'			
3"	3/8"	10'			
4"	3/8"	10'			
6"	1/2"	10'			
ER TUBE AN	D PIPE WITH SOLD	ER, BRAZED OR WELDED JOIN			

STEEL& BRASS PIPE HANGER SCHD HORIZONTAL SUPPORT PIPE W/ THREADED OR WELDED JOINTS					
PIPE SIZE	HANGER ROD	MAX HORIZONTAL SPAN			
1/2"	3/8"	10'			
3/4"	3/8"	12'			
1"	3/8"	12'			
1-1/4"	3/8"	12'			
1-1/2"	3/8"	12'			
2"	3/8"	12'			
2-1/2"	3/8"	12'			
3"	3/8"	12'			
4"	3/8"	12'			
6"	1/2"	12'			

STEEL PIPE HANGER SCHD HORIZONTAL SUPPORT PIPE W/ GROOVED COUPLERS								
PIPE SIZE	HANGER ROD	MAX HORIZONTA						
1/2"	3/8"	5'						
3/4"	3/8"	5'						
1"	3/8"	7'						
1-1/4"	3/8"	7'						
1-1/2"	3/8"	7'						
2"	3/8"	10'						
2-1/2"	3/8"	10'						
3"	3/8"	10'						
4"	3/8"	10'						
6"	1/2"	10'						

	15	14	13	12		11	10		9	
	260500 ELECTRICAL	WORK FOR COMMON RESULTS:			Р					
	1. ELECTRICAL INSTA CODE OF REGULATION	ALLATION SHALL COMPLY WITH T NS, INCLUDING THE FOLLOWING:	ITLE 24, CALIFORNIA		C.	VOICE/DATA OUTLET B	OXES SHALL BE 4_11/16"SC	0.x2_1/8" DEEP MINI	MUM, FITTED WI	ITH PLASTEF
A	TITLE 24, CCR, PART 2, TITLE 24, CCR, PART 3, TITLE 24, CCR, PART 4,	, 2022 CBC , 2022 CEC , 2022 CMC			R	INGS. BOXES FOR SPECIAL E	QUIPMENT SHALL BE SUITA	ABLE FOR THE PAR	FICULAR EQUIPI	MENT.
	TITLE 24, CCR, PART 9, TITLE 24, CCR, PART 6, TITLE 24, CCR, PART 1	, 2022 CFC , 2022 CALIFORNIA ENERGY COD 1, 2022 CALIFORNIA GREEN BUIL	E DING STANDARDS CODE		E. R	BOXES SHALL BE LOCA EQUIREMENTS.	ATED AND PLACED ACCORE	DING TO ARCHITECT	URAL AND STR	UCTURAL
_	ALL APPLICABLE LOCA	L CODES SERVICES ARE EXISTING. THE E	ECTRICAL CONTRACTOR SH	IALL FAMILIZE	<u>26</u>	00550. WIRING METHODS: LI	INE VOLTAGE SYSTEMS (12	<u>0V AND ABOVE):</u>		
в	THEMSELVES WITH TH 3. CONTRACTOR SHA AND COMPLETE THE W	IE EXISTING CONDITONS, DISTRI ALL PROCURE AND PAY FOR ALL VORK.	BUTION AND SIGNAL SYSTEN PERMITS, LICENSES, ETC. RI	IS PRIOR TO BID. EQUIRED TO CARRY ON	1. Al M C ⁱ	ALL WIRING SHALL BE ND CEILINGS WHERE FEASIBI ATCH WALL FINISH. MOUNT E ONDUIT INSTALLATION/ RUNS	INSTALLED IN CONDUITS. (LE. ALL CONDUITS INSTALL EXTERIOR CONDUITS ON W S SHALL BE APPROVED BY	CONDUITS SHALL B ED SURFACE ON W ALL ON GALVANIZE THE ARCHITECT PR	E RUN CONCEAL ALL SHALL BE P. D UNISTRUTS. A IOR TO INSTALL	_ED IN WALL 'AINTED TO ALL SURFACI _ATION.
	4. PROVIDE ALL LABO	DR, MATERIALS, TOOLS, PLANT E ARY FOR ANY REASONABLE INC	QUIPMENT, TRANSPORTATIO	ON AND PERFORM ALL	2. R	ALL CONDUITS RUN WI	THIN INTERIOR FINISHED S	PACES SUCH AS OF	FICES, BREAKR	₹OOM,
	OF ALL "ELECTRICAL W HEREIN, AND/OR IMPLI	VORK" WHETHER SPECIFICALLY ED THEREBY TO CARRY OUT TH	MENTIONED OR NOT; ALL AS E APPARENT INTENT THERE	INDICATED, SPECIFIED DF.	3. E	ALL CONDUITS RUN IN	DEDICATED ELECTRICAL A	ND MECHANICAL R	OOMS SHALL BE	ERUN
	5. ALL MATERIALS SH MEET THEIR REQUIREI ESTABLISHED AND LAE	HALL BE NEW AND LISTED WITH ⁻ MENTS AND SHALL BEAR THEIR BEL SERVICE IS REGULARLY FUF	THE UNDERWRITERS' LABOR, LABEL WHEREVER STANDAR RNISHED BY THAT AGENCY.	ATORIES, INC., SHALL DS HAVE BEEN	4.	MINIMUM CONDUIT SIZ	E SHALL BE 1/2" ABOVE GRA	ADE AND 3/4" UNDE	RGROUND.	
	6. ELECTRICAL DRAW OF EQUIPMENT ARE SI	VINGS ARE ESSENTIALLY DIAGR/ HOWN TO SCALE WHEREVER PC	MMATIC AND ALTHOUGH TH SSIBLE, CONTRACTOR SHAL	E SIZE AND LOCATIONS L MAKE USE OF ALL DATA	5. A.	MINIMUM ACCEPTABLE	E CONDUITS ARE: EEL - FOR USE ON:			
С	IN ALL CONTRACT DOC RESPONSIBLE FOR LA	CUMENTS AND VERIFY THIS INFO	RMATION AT THE SITE. CON VORK TO AVOID INTERFEREN	TRACTOR SHALL BE ICE WITH OTHER TRADES	(1 5. B.) EXTERIOR WALL SURFACES GALVANISED STEEL EN	S. AT FOR USE:			
	7. WORK SHOWN ON BELOW GRADE UNLES SOLIDLY PACKED AND	THE DRAWINGS TO BE INSTALLE S OTHERWISE NOTED. BACKFIL IRON TAMPED TO A DENSITY NO	ED UNDERGROUND SHALL BE _ IN 6" THICK, PROPERLY MO DT LESS THAN THAT OF ADJA	E INSTALLED AT LEAST 24 ISTENED LAYERS, CENT, UNDISTURBED	" (1 (2) CONCEALED IN INDOOR FIN) EXPOSED INSIDE ELECTRIC	IISHED SPACES. CAL & MECHANICAL ROOMS			
	INSTALLATIONS TO OR	RFACES, ROADWAYS, WALKS, CU RIGINAL CONDITION IN AN ACCEF	RBS, WALLS AND EXISTING (TABLE MANNER.	JNDERGROUND	(1) FOR FINAL CONNECTION TO	LEX: D OUTDOOR EQUIPMENT. LE	ENGTH SHALL NOT	EXCEED 36".	
	 8. ALL ELECTRICAL EC 9. ALL U.L. LISTED EQ 	QUIPMENT EXPOSED TO THE WE	ATHER SHALL BE LISTED FO	R EXTERIOR USE. BELING.	D (1 (2	FLEXIBLE STEEL COND) FOR INDOOR FINAL CONNE) FOR INDOOR FINAL CONNE	DUIT: CTION TO RECESSED LIGHT CTION TO HVAC EQUIPMEN	T FIXTURES. LENGT T. LENGTH SHALL	H SHALL NOT EX	XCEED 72". ;".
D	10. IN LOCATIONS WH ENCLOSURES OR GUA DAMAGE. 11. CONFLICTS BETW	IERE ELECTRICAL EQUIPMENT W RDS SHALL BE SO ARRANGED A	OULD BE EXPOSED TO PHYS ND OF SUCH STRENGTH AS T	SICAL DAMAGE, TO PREVENT SUCH	E. (1 (2 C) (3	"PVC" SCHEDULE 40:) FOR CONDUITS RUN UNDEF 2) CONDUIT STUBUPS THROU ONDUIT. PVC WRAPPING SHA) NOT PERMITTED FOR WIRIN	RGROUND AND FOR UNDER IGH THE FLOOR OR GRADE ALL EXTEND 6" ABOVE FINIS	R BUILDING SLAB. SHALL BE IN PVC N HED FLOOR OR GR	VRAPPED RIGID ADE.) STEEL
—	a. ANY CONFLICT BE	TWEEN ELECTRICAL SPECIFICAT	IONS AND ELECTRICAL PLAN	IS; OR BETWEEN	F.	ALUMINUM CONDUITS,	IMC CONDUITS OR ALUMIN	UM FITTINGS ARE N	IOT APPROVED	FOR USE OF
	ENGINEER AND A RESO QUESTION.	OLUTION RECEIVED PRIOR TO P	ROCUREMENT OR INSTALLAT	ION OF THE ITEM IN	G	ALL CONDUIT FITTINGS	SHALL BE MALLEABLE IRO	N/STEEL.		
Е	b. IF THE CONTRACTO CONFLICT HE/SHE DOE OF THE ENGINEER AT 260500.01. HVAC SYS	OR PROCEEDS WITH THE WORK ES SO AT HIS/HER OWN RISK ANI NO ADDITIONAL COST TO THE O STEMS:	WITHOUT RECEIVING ANY RI D SHALL RECTIFY THE WORK WNER OR ENGINEER.	ESOLUTION TO THE TO THE SATISFACTION	H. (1 (2 (3 (4	COUPLING:) EMT COUPLING - APPLETO) EMT CONNECTOR - APPLET) FLEX CONDUIT CONNECTO) LIQUID TIGHT FLEX CONDU	N TWC-CS SERIES FON TW-CSI SERIES PR - T&B "TITE BITE", INSULA IT CONNECTOR - APPLETO	NTED N "STB" SERIES UP	TO 2". "ST" SERI	IES OVER 2".
_	1. ELECTRICAL C	ONTRACTOR SHALL COORDINAT	E WITH MECHANICAL CONTR	ACTOR FOR EXACT) . (RIGID STEEL CONDUIT	CONNECTED TO BOXES AN			H TWO
	FOR DISCONNECTS AN TO KEEP FLEXIBLE CO MOUNTING LOCATION OR OUTDOORS FOR H	ND WEATHERPROOF OUTLETS W NDUIT LENGTH TO A MINIMUM (3 ON THE HVAC UNIT FOR THE DIS VAC UNITS SHALL BE WP/GFI.	TH ELECTRICAL CONNECTION 6" MAXIMUM). VERIFY AND CONNECT. ALL SERVICING (ON FORMER ON THE UNITS ONFIRM THE ACTUAL DUTLETS ON THE ROOF	W W IR	HERE LOCKNUTS AND E EATHER/MOISTURE SHALL B ON WITH SEALING RING AND	BUSHING IS NOT USED. CON E FITTED WITH WATERTIGH INSULATED THREAT, T & E	NDUITS CONNECTEI IT SEALING HUBS C 3 370 SERIES.	F STEEL OR MA	POSED TO
F	2. THE RATING OF UNIT NAMEPLATE TO B	F THE DISCONNECT SHALL BE SI BE INSTALLED IN THE DISCONNE	JCH AS TO ENABLE THE LAR CT. PROVIDE FUSES OF THIS	GEST FUSE SIZE ON THE RATING.	J. K.	THE PROJECT DRAWIN	IGS ARE LAID OUT USING S	ON THIS PROJECT.	D CABLES PULLI	ED THROUG
	3. FURNISH AND I CONDUITS AND WIRING	INSTALL ALL LINE VOLTAGE CON G BY MECHANICAL) TO HVAC EQ	DUITS AND LINE VOLTAGE W JIPMENT AND ASSOCIATED (IRING (LOW VOLTAGE CONTROLS AND DEVICES	SI (1	JCH CONDUITS. MC CABLES) PRIOR APPROVAL OF OWN	MAY BE UTILIZED AS DESCI ER/ARCHITECT REQUIRED.	RIBED BELOW, WITH	I RESTRICTIONS	3 NOTED.
-	AS SHOWN ON THE EL	ECTRICAL AND MECHANICAL PL	NS, UNLESS OTHERWISE NO	OTED. .OW. SURFACE CONDUIT	(2) ALL SUPPORTS, ATTACHME	ENTS SPACING SHALL BE PI	ER CEC 330.30.		
	RUNS ON THE ROOF A	RE NOT PERMITTED ON THIS PR SHALL NOT BE USED AS THROU	DJECT. GH RACEWAYS FOR WIRING	NOT DIRECTLY SERVING	(3 E/) FOR MULTI-WIRE BRANCH (ACH CIRCUIT.	CIRCUITS SUCH CABLES SH	HALL HAVE MULTIPL	E NEUTRALS, O	NE FOR
G	THE DISCONNECTS. S 260500.02. SUBMITAL	ERVICING OUTLETS SHALL NOT	BE MOUNTED ON DISCONNE	CTS.	6. O	CONDUCTORS SHALL E R REQUIRED BY CODE.	BE COPPER CONDUCTORS	TYPE THHN/THWN (JNLESS OTHERV	WISE NOTED
	1. PROVIDE THE F SEPARATELY TO AVOID	FOLOWING SUBMITTALS FOR RE D DELAYS IN THE REVIEW OF ON	VIEW AND APPROVAL. EACH E SUBMITTAL IN HOLDING UF	SHALL BE SUBMITTED PREVIEW OF THE	7. O	ALL DEVICES, CONDUIT THERWISE NOTED.	TS, RACEWAYS AND CABLE	S SHOWN ARE NEW	TO BE PROVIDE	ED UNLESS
_	REMAINDER. a. LIGHTING CON	TROLS			8. 9.	FLASH AND COUNTERF	LASH ALL ITEMS PASSING	THROUGH THE ROO E ALL LIGHTING, OU)F. TLETS AND SWI	TCHES
	b. BASIC ELECTR c. LIGHT FIXTURE	ICAL MATERIALS ES			BI 26	EFORE THEY ARE ROUGHED	IN AT NO EXTRA COST.			
н	260500.03. WORKING	CLEARANCES FOR ELECTRICAL	<u>SWITCHGEAR:</u> PANELS AND SWITCHGEAR T	O COMPLY WITH CEC		CONCEAL RACEWAYS	WITHIN CEILINGS, WALLS, A Y PERMITTED	AND FLOORS EXCEP	۲ WHERE EXPC)SED
	110.26.				2. R	WHERE CONDUIT IS AL	LOWED TO BE EXPOSED, IN	NSTALL THE CONDU		ITH OR AT
	260526. GROUNDING:	ED BY ITEM 1 ABOVE ARE PROVI	DED.		3. SI	INSTALL WHERE INDIC	ATED, OR AS REQUIRED BY TE WIRING. BOXES SHALL E	CODE, PULLBOXES		N BOXES OF
	1. GROUND AND E	BOND ALL EQUIPMENT AS REQU	RED BY GOVERNING CODES	AND SPECIFICALLY	C 4		E.			
	ETC.				5.		SAME CIRCUIT IN SAME CO	ONDUIT. RUN CONE	UCTORS OF DIF	FERENT
I	3. ALL GROUND V	VIRES SHALL BE INSULATED GRO	OUND WIRES.		6.		ORS UNTIL WORK WHICH M	IIGHT CAUSE DAMA	GE TO SUCH CC	NDUCTORS
	260529. INSTALLATIC	ON OF SUPPORT SYSTEMS			7.	KEEP ALL CONDUITS A	T LEAST SIX INCHES AWAY	FROM THE COVERI	NG ON HOT WA [.]	TER OR
— ۲	1. RACEWAYS, CA IN PLACE PER CEC AR	ABLE ASSEMBLIES, BOXES, CABI TICLE 300.11. SUPPORT WIRES T	NETS, AND FITTINGS SHALL E HAT DO NOT PROVIDE SECU	BE SECURELY FASTENED RE SUPPORT SHALL NOT	S 8.	CAP RACEWAY ENDS D	DURING CONSTRUCTION. CL	LEAN OR REPLACE	CONDUITS IN W	
ectrica	BE PERMITTED AS THE SECURE SUPPORT ANI PERMITTED AS THE SC	E SOLE SUPPORT. SUPPORT WIF D THAT ARE INSTALLED IN ADDI DLE SUPPORT. WHERE INDEPEN	RES AND ASSOCIATED FITTIN TION TO THE CEILING GRID SI DENT SUPPORT WIRE ARE US	GS THAT PROVIDE JPPORT WIRES SHALL BE SED, THEY SHALL BE	9.	R FOREIGN MATTER HAVE AC	CCUMULATED, TO THE SATI	SFACTION OF THE	ARCHITECT.	LIT RING ANI
	2. FURNISH ALL N	IDS. CABLES AND RACEWAYS SP	ALL NOT BE SUPPORTED BY PORTS, BACKING, ETC., FOR	CEILING GRIDS. ALL ELECTRICAL	R D IN	DD FOR INDIVIDUAL RUNS OF ISTANCE BETWEEN SUPPOR IDEPENDENTLY OF ONE ANO	R WITH KINDORF OR UNIST TS SHALL NOT EXCEED 10 F THER.	EET. CONDUITS SI	ALL BE SUPPO	RTED
locier	3. ATTACH ALL BO	DXES, CABINETS, ETC. TO WOOL	WITH WOOD OR LAG SCREV	VS, TO METAL WITH	10 IN). CONDUITS CONNECTER ISULATED BUSHING, OA "A" S	D TO BOXES AND CABINETS ERIES.	S SHALL BE FITTED	WITH TWO LOCI	KNUTS AND
- L00C	BOLTS.	BOLTS AND TO CONCRETE WIT	EXPANSION ANCHORS AND	MACHINE SCREWS OR	11 G	I. CONDUITS NOT CONNE ROUNDING BUSHING, OZ "BL'	ECTED WITH LOCKNUTS AN "SERIES, U. L. APPROVED A	D BUSHINGS SHALL AND BONDED.		н
e/EUC	2. RIGID STEEL C METALLIC TUBING AT I	UNDUIT SHALL BE SUPPORTED A	AT INTERVALS NOT GREATER 5 FT.	I HAN 10 FT, ELECTRICAL	L 12 M	2. CONDUIT STRAPS FOR ASONRY, EXPANSION ANCHO	INDIVIDUAL RUNS SHALL B DRS ON SOLID CONCRETE (SE SECURED BY TOO DR MASONRY, MAC	GLE BOLTS ON	I HOLLOW OR BOLTS OF
a scienc	3. A SUPPORT SH ADDITIONAL SUPPORT CONDITIONS AND TO P PRODUCTS OF ONE MA	IALL BE PROVIDED NOT MORE TI S TO THOSE SPECIFIED ABOVE PROVIDE A SECURE INSTALLATIC ANUFACTURER.	HAN 3 FT. FROM ANY CHANGE SHALL BE INSTALLED WHERE IN. ALL HANGERS AND SUPP	E IN DIRECTION. REQUIRED TO SUIT JOB ORTS SHALL BE THE	M S ⁻ SI	LIAL SURFACES AND WOOD TRAPS ON WOOD CONSTRUC NAP-TYPE STEEL WITH RIBBE	SCREWS ON WOOD CONST CTION IS PROHIBITED. STRA ED BACK, GALVANIZED OR C	I RUCTION. THE US APS SHALL BE TWO CADMIUM PLATED. 1 BY APPLICABLE AS	= OF NAILS TO A HOLE MALLEAB HE USE	ANCHOR JLE IRON OR
	260533. PULL OR JUN				S					RE
scalo	SUFFICIENT SIZE AND ACCOMMODATE ALL C	CAPACITY TO FACILITATE ALL W ONDUCTORS ENTERING SAME.	IRING. BOXES SHALL BE SIZI	ED TO PROPERLY	14 Al G	PPLETON OR APPROVED EQU ASKETS.	JAL. UNILETS SHALL BE MA	LLEABLE IRON AND	FITTED WITH CO	OVERS AND
	2. BOXES SHALL I SHALL BE SUPPORTED SCREWS, ANCHORS, B	BE OF THE SHAPE AND SIZE BES DIRECTLY TO STRUCTURAL ME OLTS OR EMBEDDED IN MASON	T SUITED FOR THE PARTICU MBERS, FRAMING OR BLOCK RY.	LAR APPLICATION AND ING BY MEANS OF	15 TI 16	 5. TELEPHONE AND SIGN MES THE CONDUIT TRADE SI 6. PROVIDE PULL TAPE IN 	AL CONDUIT BENDS WHERE ZE. I ALL EMPTY CONDUITS.	E REQUIRED SHALL	HAVE A RADIUS	3 OF TEN
Autodesk	A. SWITCH AND R SIZE SHALL BE FOUR II RINGS, OR TILE SWITC SHALL BEFITTED WITH	ECEPTACLE BOX SHALL BE ONE NCHES (4") SQARE. BOXES SHAL H RINGS IN MASONRY IN AREA V SURFACE TYPE COVERS.	PIECE DRAWN OR STAMPED L BE FITTED WITH FLUSH DE /HERE EXPOSED WIRING IS F	STEEL BOXES MINIMUM VICE COVERS, PLASTER PERMISSIBLE, BOXES						

CONDUITS. CONDUITS SHALL BE RUN CONCEALED IN WALLS 260573. ARC FLASH HAZARDS: JITS INSTALLED SURFACE ON WALL SHALL BE PAINTED TO IDUITS ON WALL ON GALVANIZED UNISTRUTS. ALL SURFACE 1. PROVED BY THE ARCHITECT PRIOR TO INSTALLATION. R FINISHED SPACES SUCH AS OFFICES. BREAKROOM.

RIES RIFS

FITTINGS

10

PROVIDE CIRCUIT LABEL INDICATING PANEL AND CIRCUIT NUMBER ON EACH COVERPLATE FOR EACH RECEPTACLE AND LIGHT SWITCH, MOTION SENSOR SWITCH. SUCH LABEL SHALL BE SELF ADHESIVE WHITE TAPE WITH BLACK LETTERS MADE ON A LABEL MAKER.

3. ALL CONTROLLED RECEPTACLES SHALL BE PERMANENTLY MARKED TO DIFFERENTIATE THEM FROM UNCONTROLLED RECEPTACLES PER CALIFORNIA ENERGY CODE SECTION 130.5(d)(3).

PROVIDE WARNING LABEL ON ELECTRICAL EQUIPMENT OF POSSIBLE ARC FLASH HAZARDS PER C.E.C. 110.16.

260800. TESTING:

THE ENTIRE ELECTRICAL INSTALLATION SHALL BE FREE FROM SHORT CIRCUITS AND IMPROPER GROUNDS. TEST ALL WIRING AND CONNECTIONS FOR CONTINUITY AND GROUNDS BEFORE ANY FIXTURES OR EQUIPMENT ARE CONNECTED AND WHERE SUCH TESTS INDICATE FAULTY INSULATION OR OTHER DEFECTS, THEY SHALL BE LOCATED, REPAIRED AND RETESTED AT THE CONTRACTOR'S EXPENSE. PROVIDE ALL INSTRUMENTS TO MAKE SUCH TESTS.

DEMONSTRATE TO THE OWNER AND THE ARCHITECT, THAT THE ENTIRE INSTALLATION IS COMPLETE, IN PROPER OPERATING CONDITION AND THAT THE CONTRACT HAS BEEN PROPERLY AND FULLY EXECUTED.

260811. OPERATIONS AND MAINTENANCE (O&M) MANUALS:

1. PROVIDE AS-BUILT DRAWINGS.

A. UPON COMPLETION OF WORK COVERED BY THIS CONTRACT, PROVIDE AS-BUILT PLANS UPON WHICH SHALL BE SHOWN ALL CHANGES OF FEEDERS, PANELS, CIRCUITS, LIGHT FIXTURES, ETC., FOR THIS PROJECT AND INSTALLED UNDER THIS CONTRACT, WHICH ARE NOT IN ACCORD WITH THESE DRAWINGS FOR THE WORK.

B. ALL SYMBOLS AND DESIGNATIONS USED IN PREPARING "AS-BUILT" DRAWINGS SHALL MATCH THOSE USED IN CONTRACT DRAWINGS.

2. PROVIDE OF OPERATION AND MAINTENANCE MANUAL FOR POWER, AND LIGHTING SYSTEMS. SCAN BOTH "AS-BUILT" PLANS AND O&M MANUAL ON TO A CD AND PROVIDE (3) COPIES OF THE CD TO OWNER PRIOR TO RELEASE OF FINAL PAYMENT.

260943. INTERIOR LIGHTING CONTROL SYSTEM:

PROVIDE A COMPLETE AND FULLY OPERATIONAL INTERIOR LIGHTING CONTROL SYSTEM FOR INTERIOR LIGHTING AS SPECIFIED HEREIN AND SHOWN ON THE DRAWINGS.

THE COMPLETE SYSTEM, INCLUDING ALL DEVICES SHALL BE IN COMPLIANCE WITH THE 2022 CALIFORNIA ENERGY CODE.

3. THE COMPLETE SYSTEM SHALL BE AS MANUFACTURED BY NLIGHT, WATTSTOPPER, OR GREENGATE CONSISTING OF:

- A. LUMINAIRES WITH 0-10V DIMMING LED DRIVERS.
- B. WALL DIMMER SWITCHES THAT COMMUNICATE THROUGH ROOM CONTROLLERS.
- С OCCUPANCY SENSORS THAT COMMUNICATE THROUGH ROOM CONTROLLERS.

WHERE LIGHT FIXTURES FALL UNDER THE PRIMARY AND SECONDARY DAYLIT ZONES AS DEFINED BY SECTION 130.1(d) AND THE TOTAL INSTALLED GENERAL LIGHTING POWER IN THE PRIMARY DAYLIT ZONE IS NOT LESS THAN 120W (EXCEPTION #1 TO SECTION 130.1(d)2) SUCH LIGHT FIXTURES SHALL BE PROVIDED WITH AUTOMATIC DAYLIGHITNG CONTROLS IN ACCORDANCE WITH SECTION 130.1(d)(2)(D).

TIME BASED GATEWAY DEVICE THAT PROVIDES TIME-BASED SIGNAL TO ROOM CONTROLLERS FOR ALL SPACES THAT CONTROLLED BY MOTION SENSORS TO AUTOMATICALLY SHUT-OFF LIGHTS AT THE END OF DAY

4. ALL SYSTEM COMPONENTS SHALL BE UL LISTED. ALL SYSTEM CONTROL COMPONENTS SHALL BE APPROVED BY THE CALIFORNIA ENERGY COMMISSION.

NDUCTORS TYPE THHN/THWN UNLESS OTHERWISE NOTED 5. ALL EQUIPMENT AND ITEMS OF CONTROL SHALL BE INSTALLED AND WIRED IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.

> 6. PROVIDE WALL OCCUPANCY SENSOR LIGHT SWITCHES WHERE SO SHOWN ON PLANS. SUCH OCCUPANCY SENSOR SWITCHES SHALL BE SINGLE LEVEL AUTOMATIC "ON"/AUTOMATIC "OFF" AS SHOWN ON PLANS. SENSORS SHALL COMPLY WITH SECTION 110.9 OF THE ENERGY CODE.

7. THE SYSTEM SHALL AUTOMATICALLY SWITCH OFF ALL LIGHTS WHEN CONTROLLED SPACE BECOMES UNOCCUPIED AND SWITCH ON LIGHTS WHEN THE SPACE IS RE-OCCUPIED. ALL SENSORS SHALL BE PROVIDED WITH USER ADJUSTABLE TIME DELAY (15 SEC. TO 20 MINUTES) FOR "SWITCH-OFF" FUNCTION AND ADJUSTABLE SENSITIVITY.

8. LOW VOLTAGE WIRING IS NOT REQUIRED TO BE IN CONDUIT EXCEPT IN HARDLID CEILINGS WHERE SUCH WIRES SHALL BE RUN IN CONDUIT.

262417. PANELBOARDS:

UNITS SHALL BE FLUSH OR SURFACE MOUNTED AS INDICATED ON THE PANEL SCHEDULE, WITH THE NUMBER AND SIZE OF BREAKERS AS INDICATED ON THE PANEL SCHEDULE. SINGLE POLE, TWO POLE AND THREE POLE BREAKERS SHALL BE BOLT-ON TYPE. MULTIPLE POLE BREAKERS SHALL HAVE COMMON INTERNAL TRIP CONNECTION. SINGLE POLE BREAKERS SHALL NOT BE TIED AT HANDLES TO FORM MULTIPLE POLE BREAKERS. THE PANEL DOORS SHALL BE DOOR-IN-DOOR CONSTRUCTION AND SHALL HAVE FLUSH TYPE LOCKS, ALL LOCKS SHALL BE KEYED ALIKE AND HAVE TYPEWRITTEN DIRECTORIES INDICATING FIXTURES, EQUIPMENT, OR OUTLETS SERVICE BY EACH BREAKER. PANELS SHALL HAVE COPPER BUSSING.



_	15 14 13 12	11	10
	262726. WIRING DEVICES:	2. THE FIRE ALARM SYSTEM CON	TRACTOR SHALL VERIFY THE
x	 UNITS SHALL BE EQUAL TO THE DEVICES SET FORTH HEREIN, IN STANDARD COLORS (BROWN, WHITE, GREY, BEIGE OR IVORY) AS SELECTED BY THE ARCHITECT: A. WIRING DEVICES LEVITON # HUBBELL # P & S # SINGLE POLE SWITCH, 15A 1201-2 HBL1201 PS15AC1 DOUBLE POLE SWITCH, 15A 1202-2 HBL1202 PS15AC2 	COMPATIBILITY OF THE PRODUCTS THE PLANS, TOGETHER WITH THE I INDICATED ON THE PLANS, TO PRO INTENDED. HE SHALL USE THE SER OF THE SILENT KNIGHT COMPANY	S AND COMPONENT CATALOG FACT THAT THEY ARE CONSIS DUCE A FULLY FUNCTIONAL F VICES OF AN AUTHORIZED, T TO EVALUATE THIS. IN CASE (
	THREE WAY SWITCH, 15A 1202-2 HBL1202 F313A02 THREE WAY SWITCH, 15A 1203-2 HBL1203 PS15AC3 DUPLEX CONV. OUTLET, 15A 5262 HBL5262 5262 DUPLEX CONV. OUTLET, 20A 5362 HBL5362 5362 DUPLEX CONV. GFI OUTLET, 15A 6599 GF15 1595L DUPLEX CONV. GFI OUTLET, 15A 6599 GF15 1595L	SHALL INCLUDE IN HIS BID ALL REG SHALL BE PROVIDED TO THE ELEC FOR FAILING TO CARRYOUT THIS E	QUIRED MODIFICATIONS. NO A TRICAL AND FIRE ALARM CON XCERCISE PRIOR TO BID TIME
	2. THE CONTROLLED OUTLET SHALL HAVE PERMANENT UNIQUE MARKING PROVIDED BY THE	1. PROVIDE SPEAKERS, STROBES	AND SPEAKER/STROBES.
	3. THE MOUNTING HEIGHTS OF LIGHT SWITCHES, RECEPTACLES AND CONTROLS SHALL BE MAXIMUM 48" MEASURED TO THE TOP OF BOXES OR MINIMUM 16" TO THE BOTTOM OF BOXES. SEE "LEGEND" FOR ACTUAL MOUNTING HEIGHTS OF DEVICES. VERIFY HEIGHT WITH ARCHITECT WHERE AN ACTUAL MOUNTING HEIGHT IS NOT CALLED OUT ON PLANS	 PROVIDE SMOKE DETECTORS 3. PROVIDE ALL ASSOCIATED WIR MAKE THIS A COMPLETE AND FULL 4. PROVIDE ALL PROGRAMING AN 	AND ATTIC HEAT DETECTORS RING, MODULES, ACCESSORIE Y OPERATIONAL FIRE ALARM ID TESTING NECESSARY FOR
	 4. SINGLE RECEPTACLE SERVED BY INDIVIDUAL 20A BRANCH CIRCUIT DEDICATED TO THE OUTLET SHALL BE 20A RATED PER CEC 210.21(B)(1). ALL OTHERS SHALL BE 15A RATED. 	SHALL BE CARRIED OUT BY AUTHO <u>D. WIRING:</u>	RIZED, SKILLED REPRESENTA
	5. ALL 15A AND 20A, 120V OUTLETS IN KITCHEN SHALL BE GFCI PER CEC 210.8(B)(2). LOCATE SUCH OUTLETS SO THAT THEY ARE ACCESSIBLE AFTER APPLIANCES THAT ARE PLUGGED INTO THE OUTLETS ARE IN PLACE.	1. SEE "FIRE ALARM SYSTEM WIR <u>E. AUDIBLES:</u>	ING SCHEDULE" ON THIS SHE
;	6. ALL RECEPTACLES INSTALLED OUTDOORS SHALL BE WEATHERPROOF AND HAVE GROUND FAULT CIRCUIT INTERRUPTER PROTECTION.	1. ALL AUDIBLE DEVICES SHALL F AUDIBLE DEVICES SHALL BE AT LE BUT NOT LESS THAN 75dBA AT 10 F	PRODUCE THE SAME BASIC SC AST 15dBA ABOVE AVERAGE A T. OR MORE THAN 110dBA IN
	7. 120V, 15A AND 20A RECEPTACLES ARE NOW SUBJECT TO CALIFORNIA ENERGY CODE, SECTION 130.5(d). ALL SUCH OUTLETS SHALL BE CONSIDERED AS UNCONTROLLED EXCEPT THOSE WHICH ARE SPECIFICALLY CALLED OUT ON THE PLANS AS CONTROLLED. SEE "CONTROLLED 120V RECEPTACLES" PARAGRAPH BELOW.	F. VISUALS: 1. VISUAL DEVICES SHALL NOT EX SLOWER THAN ONE FLASH EVERY	KCEED TWO FLASHES PER SE SECOND.
	262726.01. CONTROLLED 120V RECEPTACLES: 1. CALIFORNIA ENERGY CODE, SECTION 130.5(d) NOW REQUIRES THAT BOTH CONTROLLED AND	G. INITIATION SYSTEM:	
	A. EACH PRIVATE OFFICE.	1. THE SYSTEM FOR THE BUILDIN	GS BEING ADDED IS AUTOMA
	C. RECEPTION LOBBY. D. CONFERENCE ROOM. E. KITCHENETTE AND BREAK ROOM IN OFFICE SPACES.	 <u>H. OFF-SITE MONITORING:</u> 1. AUTOMATIC FIRE ALARM SYSTI 	EM MONITORED AND SHALL T
	 F. COPY ROOM. 2. CIRCUITS SERVING CONTROLLED RECEPTACLES SHALL BE AUTOMATICALLY BE SHUT-OFF IN ACCORDANCE WITH SECTION 130.1(c)1. 	SUPERVISING STATION SHALL BE L SUPERVISING STATION SHALL BE L PROPRIETARY) BY THE UNDERWRI TESTING LABORATORY OR SHALL ((CBC 907.6.6.3)	ISTED SUPERVISING STATIC ISTED AS EITHER UUFX (CEN TERS LABORATORY INC. (UL) COMPLY WITH THE REQUIREN
	3. PROVIDE A SPLITWIRED DUPLEX RECEPTACLE WITH ONE HALF CONTROLLED AND ONE HALF UNCONTROLLED DUPLEX RECEPTACLE AS SHOWN ON THE PLANS. THIS RECEPTACLE SHALL BE SPLIT DUPLEX OUTLET AS MANUFACTURED BY SAME MANUFACTURER AS THE OCCUPANCY LIGHTING	I. PENETRATIONS:	
	SENSOR SYSTEM WITH A 15-AMP RELAY-SWITCHED OUTLET AND A 15-AMP CONSTANT POWER OUTLET. 262726.02. DEVICE PLATES:	1. PENETRATIONS OF FIRE-RATED CALIFORNIA BUILDING CODE, PART J. SUBMITTALS:	D WALLS SHALL BE PROTECTE 2, CHAPTER 7, TITLE 24.
	 ALL DEVICE PLATES FOR INDOOR USE SHALL BE STAINLESS STEEL. ALL DEVICE BOXES WHICH ARE INSTALLED IN FIRE RATED WALL ASSEMBLY AND IS PROVIDED 	1. SUBMITTALS ARE NOT REQUIRE AND SYSTEM COMPONENTS HAVE	ED. SYSTEM COMPONENTS SH ALREADY BEEN PRE APPROV
	WITH A FIRE-STOPPING PUTTY PAD SHALL HAVE A BRUSHED STAINLESS STEEL COVERPLATE IN ACCORDANCE WITH THE REQUIREMENTS OF THE PUTTY PAD.	2. PROVIDE 3 COPIES OF A CERTIN COMPONENTS AND SYSTEM INSTA SPECIFICATIONS, SUCH A CERTIFIC	FICATE TO THE ARCHITECT TH LLED IS IN ACCORDANCE WIT CATE SHALL BE SIGNED BY TH
	 DEVICE COVERS FOR SURFACE MOUNTED BOXES SHALL BE 1/2" RAISED STEEL PLATES. DEVICE COVERS FOR DEVICES LOCATED IN DAMP LOCATIONS SHALL COMPLY WITH CEC 406 9(A) 	REPRESENTATIVE, AND THE INSTA THE FIRE ALARM SYSTEM WAS TES	LLING CONTRACTOR. SUCH A
	5. DEVICE COVERS FOR DEVICES LOCATED IN WET LOCATIONS SHALL COMPLY WITH CEC 406.9(B).		
	265100. LIGHTING:	OF THE ENTIRE SYSTEM SHALL BE WITNESSED BY THE LOCAL FIRE AU	MADE IN THE PRESENCE OF JTHORITY WITH THE DSA INSP
	ALL LUMINAIRES SHALL BE CERTIFIED BY THE MANUFACTURER TO THE CALIFORNIA ENERGY COMMISSION:	2. PROVIDE A CERTIFICATE OF CO	DMPLETION PER NFPA 72.
	SCHEDULE" ON THESE PLANS. NO SUBSTITUTES ARE PERMITTED WITHOUT WRITTEN APPROVAL OF THE ENGINEER.		
	 B. ALL INTERIOR LUMINAIRES SHALL BE PROVIDES WITH 0-10V DIMMING LED DRIVERS. C. ALL EXTERIOR LUMINAIRES SHALL BE PROVIDED WITH 0-10V DIMMING LED DRIVERS WITH INTEGRAL MOTION SENSORS WHERE SO NOTED. 		
	 265300. EXIT AND MEANS OF EGRESS EMERGENCY LIGHTING: 1. PROVIDE EXIT SIGNS IN ACCORDANCE WITH CBC SECTION 1011.1. PROVIDE MEANS OF 		
	EGRESS ILLUMINATION IN ACCORDANCE WITH CBC SECTION 1006. PROVIDE FLOOR-LEVEL EXIT SIGNS PER CBC 1011.7 IF REQUIRED 2. ELECTRICAL CONTRACTOR SHALL RE-VERIFY PLACEMENT OF ALL EXIT SIGNS AS TO ENSURE THAT THEY ARE CLEARLY VISIPLE FROM ANY DIRECTION OF ADDROACH WITHIN THE DATH OF EXIT		
	TRAVEL TO AND WITHIN EXITS INSIDE THE BUILDING. THIS VERIFICATION SHALL BE CARRIED OUT AT ROUGHIN STAGE. THEY SHALL BE LOCATED AS NECESSARY TO CLEARLY INDICATE THE DIRECTION OF EGRESS TRAVEL. NO POINT IN THE EXIT PATH SHALL BE MORE THAN 100 FT. FROM THE NEAREST VISIBLE SIGN. ALL IN ACCORDANCE WITH CBC SECTION 1011.1. RELOCATE AND/OR ADD EXIT SIGNS AS NECESSARY TO ACHIEVE THIS. PROVIDE PENDANTS TO MOUNT SIGNS AS NECESSARY TO ACHIEVE THIS		
	3. THE FINAL NUMBER AND LOCATION OF EXIT SIGNS SHALL BE DETERMINED IN THE FIELD BY THE FIRE MARSHALL AND BUILDING INSPECTOR.		
	4. INDIVIDUAL UNIT EQUIPMENT FOR EMERGENCY ILLUMINATION SHALL COMPLY WITH CEC SECTION 700.12(F). THE BRANCH CIRCUIT FEEDING THE UNIT EQUIPMENT SHALL BE THE SAME BRANCH CIRCUIT AS THAT SERVING THE NORMAL LIGHTING IN THE AREA AND CONNECTED AHEAD OF ANY LOCAL SWITCHES.		
	5. ALL EMERGENCY LIGHTS AND EXIT SIGNS SHALL BE PROVIDED WITH AN UNSWITCHED HOT WIRE.		
	6. ALL EMERGENCY LIGHT FIXTURES WITH INTEGRAL BATTERY BALLASTS SHALL BE SWITCHED AS SHOWN AND SHALL COME ON IN EMERGENCY POWER-OFF MODE UPON POWER FAILURE. TO THIS EFFECT PROVIDE AN UNSWITCHED POWER WIRE TO EACH SUCH FIXTURE FROM THE SAME CIRCUIT AS THAT FEEDING THE LIGHT FIXTURE.		
	283100. FIRE ALARM SYSTEM :		
	A. GENERAL REQUIREMENTS: 1. THE CONTRACTOR SHALL PROVIDE A NEW VOICE EVAC AUTOMATIC FIRE ALARM SYSTEM FOR THE AREA OF REMODEL.		
	 A. THE FIRE ALARM SYSTEM SHALL CONFORM TO STATE FIRE CODES. ALL EQUIPMENT SHALL HAVE BEEN APPROVED AND LISTED BY THE STATE FIRE MARSHAL. B. THE FIRE ALARM SYSTEM EQUIPMENT SHALL BE U.L. LISTED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL'S OFFICE. 		
	C. ALL WIRING SHALL BE IN RACEWAYS. MINIMUM SIZE OF CONDUIT SHALL BE 1/2" INDOORS. ALL CONDUITS INSTALLED UNDERGROUND AND ON EXTERIOR OF BUILDING EXTERIOR WALLS SHALL HAVE WATER TIGHT FITTINGS.		
	 B. FIELD INVESTIGATION: 1. THE ELECTRICAL CONTRACTOR AND HIS FIRE ALARM CONTRACTOR SHALL CARRY OUT AND INCLUDE ALL INVESTIGATIONS REQUIRED AT THE SITE FOR THE EXISTING SYSTEM PRIOR TO BID TIME AND SHALL INCLUDE IN HIS/HER BID ALL COMPONENTS, DEVICES, ETC., REQUIRED TO PRODUCE THE INTENDED RESULTS. SUBMISSION OF A BID BY THE ELECTRICAL CONTRACTOR SHALL BE CONSIDERED AS HIM/HER HAVING COMPLIED WITH THIS REQUIREMENT AND NO ADDITIONAL COMPENSATION SHALL BE PROVIDED TO THE CONTRACTOR FOR FAILING TO CARRY OUT A THOROUGH INVESTIGATION OF THE EXISTING OVER 14 		
nath	//iohn/17/4 15 14 13 12	11	10

SHALL VERIFY THE CURRENTNESS AND IPONENT CATALOG NUMBERS CALLED OUT ON T THEY ARE CONSISTENT WITH THE WIRING		ELECTRICAL LEGEND
ULLY FUNCTIONAL FIRE ALARM SYSTEM AS AN AUTHORIZED, TRAINED REPRESENTATIVE		
ATE THIS. IN CASE OF ANY DISCREPANCY, HE		FIXTURE NOTATIONS: A,(b),C-12 FIXTURE TYPE "A", SWITCH "b", CIRCUIT C-12
ID FIRE ALARM CONTRACTOR AFTER THE BID		SQUARE = RECESSED A ALTERNATE DESIGNATION FOR SITE
		CIRCLE = SURFACE LED LIGHTING FIXTURES
AKER/STROBES.		TASK LIGHT OR STRIP LIGHT
CHEAT DETECTORS.	$\square \bigcirc$	DOWNLIGHT, SQUARE = RECESSED, HEXAGON = INGRADE UPLIGHT
ULES, ACCESSORIES, ETC., AS REQUIRED TO	Он	WALL MOUNT
ONAL FIRE ALARM STSTEM.	<u>S</u>	CEILING EXHAUST FAN
ILLED REPRESENTATIVE OF GAMEWELL.		POLE MOUNT AREA LIGHT
DULE" ON THIS SHEET.		EMERGENCY LIGHTING
	EXIT 🛇	EXIT SIGN WITH 90 MIN BATTERY BACKUP
THE SAME BASIC SOUND AND PATTERN		WALL MOUNT EMERGENCY LIGHT WITH 90 MIN BATTERY BACK
A ABOVE AVERAGE AMBIENT SOUND LEVEL RE THAN 110dBA IN TOTAL, THROUGHOUT.		EXTERIOR LANDING EMERGENCY LIGHT. CONNECT
		TO INTERIOR EXIT SIGN FOR POWER.
		FIXTURES WITH INTEGRAL EMERGENCY BALLAST
O FLASHES PER SECOND AND SHALL NOT BE		
		BASIC LIGHTING CONTROLS
ADDED IS AUTOMATIC		
	\$	LIGHT SWITCH, +48" TO TOP OF BOX • D = DIMMER
		 3 = SWAY P = PILOT SWITCH
ORED AND SHALL TRANSMIT THE ALARM, SUPERVISORY		 os = LINE VOLTAGE OCCUPANCY SENSOR T = TIMMER
JPERVISING STATION IN ACCORDANCE WITH NFPA 72. THE EITHER UUFX (CENTRAL STATION) OR UUJS (REMOTE &		VS = VACANCY SENSOR
ORATORY INC. (UL) OR OTHER APPROVED LISTING AND VITH THE REQUIREMENTS OF STANDARD, FM 3011.	\$	WALL MOUNT OCCUPANCY SENSOR (LINE VOLTAGE)
	¢	
SHALL BE PROTECTED IN ACCORDANCE WITH	\$	
ER 7, TITLE 24.		COMPONENTS OF DIMMING ROOM CONTROLLER US = LOW VOLTAGE OCCUPANCY SENSOR (CAT 5 OR AS REQUIRED)
		 DRC = DIMMING ROOM CONTROLLER PE = LOW VOLTAGE DIMMING PHOTOCELL (CAT 5 OR AS REQUIRED)
M COMPONENTS SHALL BE AS SPECIFIED. PLANS		 D = LOW VOLTAGE DIMMER (CAT 5 OR AS REQUIRED) R = PLUG LOAD CONTROLLER
BEEN PRE APPROVED BY D.S.A.		ADR = AUTOMATIC DEMAND RESPOSNE (FOR BUILDINGS OVER 10,000 SF)
THE ARCHITECT THAT THE FIRE ALARM SYSTEM		NOTES
L BE SIGNED BY THE D.S.A. INSPECTOR, THE OWNER'S		
CESSFULLY.		1. FOR SUBMITTAL INCLUDE FACTORY CONTROL DRAWINGS.
		2. CONDUCT A CONTROLS PRE-CONSTRUCTION MEETING WITH CONTROLS STARTUP TEAM. PROVIDE AGENDA AND ATTENDEES AS A SUBMITTAL. INCLUDE
		DEVICE I.D. TAGS, PROGRAMMING, CABLE ROUTING, PROGRAM AND TIME SCHEDULES AND DATE OF PROGRAMMING AND TESTING.
THE PRESENCE OF THE ENFORCING AGENCY, AND BE		3. CONTRACTOR TO HAVE SYSTEM FACTORY SUPPORT FOR START UP,
WITH THE DSA INSPECTOR OF RECORD.		PROGRAMMING AND COMMISSIONING. VERIFY OPERATIONAL HOURS WITH OWNER PRIOR TO COMMISSIONING.
N PER NFPA 72.		
		ELECTRICAL POWER
	<u>+ †</u>	ALL LINE VOLTAGE WIRING IN CONDUIT, SEE GENERAL NOTES TICKS = # OF #12 WIRE, SHORT = HOT, LONG = NEUTRAL, DOT = GROUND,
		UNLESS NOTED OTHERWISE
	φ	120V OUTLET, +15" TO BOTTOM OF BOX • S = SIGN
		F = FLOOR GEL = GROUND FAULT INTERLIPTER
	-Ah-	
	Ψ	
	₩ ₩	QUADRUPLEX OUTLET, SQUARE FOR TV LOCATIONS
		HALF SWITCHED OUTLETS
	(\bullet)	FLOOR OUTLET
	со С	JUNCTION BOX WITH MOTOR TOGGLE DISCONNECT
		JUCTION BOX
	$(\underline{2})$	MOTOR / DISCONNECT
		PANELBOARD
		TRANSFORMER / SWITCHBOARD AS NOTED
	⊢ −−−1	TELEPHONE BACKBOARD, PROVIDE #8 GND TO SERVICE GROUND
		DATA OUTLET JACK, PREWIRED WITH CAT'S CABLE, NO # = 2 DROPS SEE DETAIL 12/E0-4.2 FOR
		DATA OUTLET AND CEILING PROJECTOR CONDUIT AND BOX MOUNTING
	₩	FLOOR DATA OUTLET JACK, PREWIRED WITH CAT 6 CABLE, NO $\#$ = 2 DROPS
		IP SPEAKER (1 CAT 6) NOTE: GREY HATCHED SIGNAL
		CLOCK SPEAKER (IP BASED) (1 CAT 6) DEVICES ARE EXISTING TO REMAIN, UNLESS OTHERWISE
		WIRELESS ACCESS POINT (1 CAT 6) NOTED.
		WALL MOUNT ACCESS POINT (1 CAT 6)
		EXTERIOR WIRELESS ACCESS POINT (1 CAT 6)
	TS	TEACHER STATION (SEE DETAIL 5/E0-4.2)
		HMDI CONNECTOR IN FLUSH WALL PLATE
		TV EXIST WITH COAX OUTLET, NEW WITH 2 DATA AND HDMI
	J	DATA SYSTEM JUNCTION BOX
	Р	DATA SYSTEM PULLBOX
	Н	IDF/MDF RACK (SITE PLAN SYMBOL)

1

9 8

6 5



9

8

5

6

	DRAFTING NOTATIONS			ELECTRICAL 4	ABBREVIATIONS:
N##	KEY NOTE, SEE SCHEDULE			AL = ALUMINU A = AMPERAC	 М
N##	EQUIPMENT TAG, SEE SCHED	ULE		AIC = AMPS IN AFF = ABOVE	ITERRUPTING CAPACITY
A =-2	REFERENCE TO A DETAIL VIE	W "A" ON SHI	EET E-2	AFG = ABOVE CKT = CIRCUI CO = CONDUI	FINISHED GRADE T T ONLY
	NEW ELECTRICAL CONDUIT A	ND WIRE		CU = COPPER EC = ELECTRI GC = GENERA	
e) (E)	EXISTING DEVICE, TO REMAIN	N IN OPERATI	ON	GFI = GROUNI GND = GROUN	
) ((1)	CIRCUIT IN OPERATION			KW = KILOWA KVA = KILO-V(LC = LIGHTIN(TT DLT-AMPERE G CONTACTOR
rr)	DEVICE ON EXISTING CIRCUIT	F, EXTEND CI	RCUIT	NO = NUMBEF NL = NIGHT LI PB = PULLBOX	R GHT K
				SP = SPACE UG = UNDERG	ROUND
				V = VOLT WP = WEATHE	RPROOF
	ONE LINE DIAGRAM				
	BUS / SWITCHBOARD	50/3	CIRCUI	BREAKER 50	AMP RATED, 3 POLE
	PANEL		GFI = G AFCI = A	ROUND FAULT ARC FAULT CIR	INTERRUPTER CUIT INTERRUPTER
	GROUND	1.	DISCON	NECT RATED	
- (M)	METER		VOLTAC OR AS N	GE AND AMPER	AGE RATING FOR FUSE
	CURRENT TRANSFORMER	60	FUSE, S	IZE = 60 AMPS	
36-			AUTOM	ATIC TRANSFE	R SWITCH
\overrightarrow{p}	URY TYPE TRANSFORMER	G		DRIVEN GENE	RATOR RATING AS
	RELAY				
	TDR = TIME DELAY RELAY M = MOTOR STARTER CONTACTOR RELAY ETM = FLAPSE TIME METEP	52	ANSI RE	ELAY	
$\dashv\vdash$	CONTACT (OPEN)				
	CONTACT (CLOSED)				
	VARIABLE FREQ. DRIVE				
R	INDICATOR LIGHT				
++ [†] ⁾⁾⁾	(R) RED, (W) WHITE				
— 1A — 1X — 1Y	FIRE ALARM TSP#16 ADDRESSIBLE INP 2#14 HARD WIRED NON-AI 2#12 VISUAL CIRCUIT	PUT CIRCUIT DDRESSIBLE	CIRCUITS	NOTE: ALL CONDUCTO APPROVED	FIRE ALARM CABLES/ DRS SHALL BE CSFM).
— 1Z			F	FIRE ALARM AE	BREVIATIONS:
\square	SMOKE DETECTOR		(CD = CANDELL	
() ^{co}	COMBINATION SMOKE /CC	DETECTOR	E	EOL = END OF I	LINE RESISTOR ATION POWER SUPPLY
\bigcirc	DUCT SMOKE DETECTOR		F	PIV = POST IND TS = TAMPER S WE = WATER FI	ICATOR VALVE WITCH
() ().	HEAT DETECTOR	: (194 DEGRE		VP = WEATHER	RPROOF
• A ©	CARBON MONOXIDE DETE	CTOR	'' N a 1	/ARKINGS: h### = CIRCUIT 5CD = 15 CANI	"a" DEVICE ### DELLA VISUAL DEVICE
q	STROBE		1	/2W = 1/2 WAT	T AUDIBLE DEVICE
		STROBE			
Ŭ ⊠					
MM	INPUT MODULE				
CDR	TONE GENERATOR				
RM	RISER MONITOR MODULE				
MOUN	TING HEIGHTS		X	AUDIBLE NOT LESS	NISHED CEILING FIRE ALARM APPLIANCE S THEN 90" AFF OR AT
	12	" TYPICAL —		NOT LESS AND NOT TO BOTTO	S THAN 80" AFF MIN, MORE THAN 96" AFF DM
SYSTEN CONNE BOTTOI	/IS FURNITURE CTIONS +15" TO M OF BOXES			FIRE ALA PULL STA REQUIRE PINCHING THF WRIS	RM MANUAL ITION SHALL NOT "TIGHT GRASPING, G OR TWISTING OF ST"
CONVIE	NCE OUTLETS, & DATA OUTLETS.)STAT
+15" TO	воттом	— ●			
OF BO		1	48" TO T	OP	
OF BO	oo`do _†		OF BOX		

2

1







Image: Additional and the second s									
Engir 4512 Feather Rive 209-478-8270	HCS HCS The stockton, C/ www.hcs-eng.com	THE STONE A 95219							
ESCALON HIGH SCHOOL FOOD SCIENCE CLASSROOM	1528 YOSEMITE AVE. ESCALON, CA 95320 ESCALON UNIFIED SCHOOL DISTRICT	COMMON ELECTRICAL DETAILS							
Project Number Date Drawn by Checked by	D-2. [°]	2321 7/5/24 RCS-1 Checker							

Notes:	Location: HTR 7 Supply From: Mounting: Surface Enclosure: Type 1				Volts: 120/208 Phases: 3 Wires: 4	Wye		A M F	A.I.C. Rating: EXIST Mains Type: MLO ains Rating: 150 A MCB Rating: 150 A
1 (e)REC 3 (e)Spar	ROOM 52 e	20 A 20 A	Poles	0 VA 0 VA	0 VA 0 VA		Poles 2 	20 A	(e)FC RM #52
5 (e)Spar 7 (e)Spar 9 (e)Spar	e e e	20 A 20 A 20 A	1 1 1	0 VA 0 VA	0 VA 0 VA	0 VA 0 VA	1 1 1	20 A 20 A 20 A	(e)FC S3A (e)CIRCUIT (e)ROOF REC
11 (e)Spar 13 (e)CIR(15 (e)ELLE	e CUIT M S1A	20 A 20 A	1 1 1	0 VA 0 VA	0.1/4	0 VA 0 VA	1 1 1	20 A 20 A	(e)CIRCUIT (e)CIRCUIT
13 (e)FU F 17 (e)FU F 19 (e)CIRO	M S1B CUIT	20 A 20 A 20 A	1 1	0 VA		0 VA	1		Space Space
21 (e)CIRO 23 (e)CIRO 25 (e)CIRO	SUIT SUIT SUIT	20 A 20 A 20 A	1 1 1	0 VA	0 VA	0 VA	1 1 1	 	Space Space Space
27 (e)CIRC 29 (e)FU S	SUIT 31	20 A 20 A	1		0 VA	0 VA	1		Space Space
31 (e)FU S 33 Space 35 Space	32	20 A	1 1 1	0 VA			1 1 1		Space Space
33Space37Space39Space			1 1 1				1		Space Space
41 Space		 Tota	1 al Load	: 0 VA	0 VA	 0 VA	1		Space
Legend:		Tota	I Amps	:: 0 A	0 A	0 A	,		
				ΕX	SISTING PANEL TO R	EMAIN			
	=1 "42"								
	Location: HTR 7				Volts: 480/277	Wye		А	A.I.C. Rating: EXIST
	Supply From: Mounting: Surface				Phases: 3 Wires: 4			М	Mains Type: MCB ains Rating: 100 A
	Enclosure: Type 1								MCB Rating: 100 A
Notes:									
СКТ	Circuit Description	Trip	Poles	A	В	с	Poles	Trip	
3 5				4100 VA 5250 V	4160 VA 5230 VA	4160 VA 5230 VA	 \	43 A 	
7 (e)AC F 9	RM S3A	20 A	3	4160 VA 0 VA	4160 VA 0 VA		3	45 A 	45 kVA, 277 V/480 V, Three
11 13 Space 15 Space			 1 1			4160 VA 0 VA	 1 1		 Space Space
17 Space 19 Space			1				1		Space Space
21 Space 23 Space		 Tote		12550 \/A	12550 \/A		1		Space Space
Logondi		Tota	I Amps	: 49 A	49 A	49 A			
				EX	ISTING PANEL TO RI	EMAIN			
(E)PAN	EL DP6								
	Location: JAN 8 Supply From:				Volts: 120/208 Phases: 3	Wye		А	
	Mounting: Surface Enclosure: NEMA 1				Wires: 4			M	ains Rating: 350 A MCB Rating: 350 A
Notes:									
Notes:									
Notes:				Δ			Poles	Trip	Circuit Descrip
Notes: CKT DP6-1 (e)PAN	Circuit Description EL I CKTS 1-20	Trip 50 A	Poles 3	0 VA 0 VA	B	C	3	225 A	
Notes: CKT DP6-1 (e)PAN DP6-3 DP6-5 DP6-7 (e)PAN	Circuit Description EL I CKTS 1-20 EL JA	Trip 50 A 100 A	Poles 3 3	0 VA 0 VA 0 VA 0 VA	B 0 VA 0 VA	C	 3	225 A 350 A	 MAIN DISCONNECT
Notes: CKT DP6-1 (e)PAN DP6-3 DP6-5 DP6-7 (e)PAN DP6-9 DP6-11 DP6-11	Circuit Description EL I CKTS 1-20 EL JA	Trip 50 A 100 A 	Poles 3 3 3		B 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	C 0 VA 0 VA 0 VA 0 VA	3 3 	225 A 350 A 	 MAIN DISCONNECT
Notes: CKT DP6-1 (e)PAN DP6-3 DP6-5 DP6-7 (e)PAN DP6-9 DP6-11 DP6-11 DP6-13 (e)PAN DP6-15 DP6-17	Circuit Description EL I CKTS 1-20 EL JA EL I CKTS 21-21	Trip 50 A 100 A 125 A 125 A 	Poles 3 3 3 3	0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	B 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	C 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	3 3 	225 A 350 A 	 MAIN DISCONNECT
Notes: CKT DP6-1 (e)PAN DP6-3 DP6-5 DP6-7 (e)PAN DP6-9 DP6-11 DP6-13 (e)PAN DP6-15 DP6-17 DP6-19	Circuit Description EL I CKTS 1-20 EL JA EL I CKTS 21-21	Trip 50 A 100 A 125 A 125 A Tota	Poles 3 3 3 3 3 3 al Load	0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	B 0 VA 0 VA 0 VA	C 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	3 3 	225 A 350 A 	 MAIN DISCONNECT

path://john/17/4 15

		(e)F	PANEL I1 Location: SCULLER Supply From: Mounting: Recessed	Y 6				Volts: Phases: Wires:	120/208 W 3 4	/ye			A. N Ma	.I.C. Rating: Mains Type: ains Rating:	22,000 MLO 100 A																																																																
		Notes:	Enclosure: NEMA 1										N	ICB Rating:	100 A																																																																
on	СКТ	скт	Circuit Description	Trip	Poles	A		В	3	с	;	Poles	Trip		Circuit Descriptior																																																																
	2 4 6	1-1 1-3 1-5	(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT	20 A 20 A 20 A	1 1 1	0 VA	0 VA	0 VA	0 VA	0 VA	0 VA	1 1 1	20 A 20 A 20 A	(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT																																																																	
	8 10	11-7 11-9	(e)CIRCUIT (e)CIRCUIT	20 A 20 A	1	0 VA	0 VA	0 VA	0 VA	0.1/4		1	20 A 20 A	(e)CIRCUIT (e)CIRCUIT																																																																	
	12 14 16	11-11 11-13 11-15	(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT	20 A 20 A 20 A	1 1 1	0 VA	0 VA	0 VA	0 VA	0 VA	0 VA	1 1 1	20 A 20 A 20 A	(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT																																																																	
	18 20 22	1-17 1-19	(e)CIRCUIT (e)CIRCUIT	20 A 20 A	1 1	0 VA	0 VA	0)	//	0 VA	0 VA	1 1	20 A 20 A	(e)CIRCUIT (e)CIRCUIT																																																																	
	24 26	Legend	:	Tota	I Amps:	0 A	A \	0.	A	0,0	A]																																																																			
	28 30 32 34						EXISTIN	IG PANEL	TO BE REI	PLACED																																																																					
	36 38 40 42	(e)F	ANEL 12						400/000 14	,																																																																					
		Notes:	Supply From: Mounting: Recessed Enclosure: NEMA 1	TO				Wires: Wires:	3 4	ye			Ma Ma N	Mains Type: ains Rating: ICB Rating:	MLO 200 A 200 A																																																																
						_																																																																									
		CKT 12-1 12-3	Circuit Description Spare	20 A	Poles 2	A 0 VA	0 VA	E 0 VA	3 0 VA	C		Poles 2	Trip 20 A	Spare	Circuit Description																																																																
		12-5 12-7	Spare	20 A	2	0 VA	0 VA			0 VA	0 VA	1	20 A 20 A	Spare Spare																																																																	
		2-9 2-11 2-13	Spare Spare Spare	20 A 20 A 50 A	1 1 2	0 VA	0 VA	0 VA	0 VA	0 VA	0 VA	1 1 2	20 A 20 A 20 A	Spare Spare Spare																																																																	
		12-15 12-17	 Spare	 20 A	 2	0.1/4	0.1/4	0 VA	0 VA	0 VA	0 VA	 2	 20 A	 Spare																																																																	
	2 4	12-19 12-21 12-23	 Spare 	 30 A 	 3 		0 VA	0 VA	0 VA	0 VA	0 VA	 2 	20 A	 Spare 																																																																	
e, 4 Wires,.	6 8	12-25 12-27	 Spare	 20 A	 1 3	0 VA	0 VA	0 VA	0 VA	0.\/A	0.1/4	2 3	20 A	Spare																																																																	
	10 12 14	12-29 12-31 12-33		 		0 VA	0 VA	0 VA	0 VA				 																																																																		
	16 18 20	12-35 12-37 12-39		20 A 	3 	0 VA	0 VA	0 VA	0 VA	0 VA	0 VA	3 	20 A 	Spare 																																																																	
	22 24	I2-41		Tota Tota	al Load: I Amps:	0 V. 0 A	A	0 \	/A A	0 V 0 /	/A A																																																																				
		Legend	:				EXISTIN	IG PANEL	TO BE REI	PLACED																																																																					
		(E)F	PANEL J																																																																												
			Location: TOOL 5 Supply From: Mounting: Recessed Enclosure: NEMA 1					Volts: Phases: Wires:	120/208 W 3 4	lye			A. Ma Ma	.I.C. Rating: Mains Type: ains Rating: ICB Rating:	22,000 MLO 200 A 200 A																																																																
		Notes:																																																																													
		Notes:																																																																													
	скт	Notes: CKT J-1	Circuit Description	Trip 20 A	Poles	A 0 VA	0 VA	E	3	C	;	Poles	Trip 20 A	(e)CIRCUIT	Circuit Descriptior																																																																
	СКТ DP6-2 DP6-4 DP6-6	Notes: <u>CKT</u> J-1 J-3 J-5 J-7	Circuit Description (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT	Trip 20 A 20 A 20 A 20 A	Poles 1 1 1 1 1 1	A 0 VA	0 VA 0 VA	0 VA	3 0 VA	0 VA	0 VA	Poles 1 1 1 1 1 1	Trip 20 A 20 A 20 A 20 A	(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT	Circuit Descriptior																																																																
	CKT DP6-2 DP6-4 DP6-6 DP6-8 DP6-10	Notes: CKT J-1 J-3 J-5 J-7 J-9 J-11 L12	Circuit Description (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT	Trip 20 A 20 A 20 A 20 A 20 A 20 A	Poles 1 1 1 1 1 1 2	A 0 VA 0 VA	0 VA 0 VA	0 VA	3 0 VA 0 VA	0 VA 0 VA	0 VA	Poles 1 1 1 1 2 2	Trip 20 A	(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT 	Circuit Descriptior																																																																
	CKT DP6-2 DP6-4 DP6-6 DP6-8 DP6-10 DP6-12 DP6-14 DP6-16	Notes: CKT J-1 J-3 J-5 J-7 J-9 J-11 J-13 J-15 J-17	Circuit Description (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT 	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 	Poles 1 1 1 1 1 2 2	A 0 VA 0 VA 0 VA 0 VA	0 VA 0 VA 0 VA	0 VA 0 VA 0 VA	3 0 VA 0 VA 0 VA	0 VA 0 VA	0 VA 0 VA	Poles 1 1 1 1 2 2 2 2	Trip 20 A	(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT	Circuit Description																																																																
	CKT DP6-2 DP6-4 DP6-6 DP6-10 DP6-10 DP6-12 DP6-14 DP6-16 DP6-18 DP6-20	Notes: CKT J-1 J-3 J-5 J-7 J-9 J-11 J-13 J-15 J-17 J-19 J-21 L-23	Circuit Description (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT 	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	Poles 1 1 1 1 1 2	A 0 VA 0 VA 0 VA 0 VA 0 VA	0 VA 0 VA 0 VA	0 VA 0 VA 0 VA 0 VA	3 0 VA 0 VA 0 VA 0 VA	0 VA 0 VA 0 VA	0 VA 0 VA	Poles 1 1 1 1 2 2 2 2 2 2 2	Trip 20 A	(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT	Circuit Description																																																																
	CKT DP6-2 DP6-4 DP6-6 DP6-8 DP6-10 DP6-12 DP6-14 DP6-16 DP6-18 DP6-20	Notes: CKT J-1 J-3 J-5 J-7 J-9 J-11 J-13 J-15 J-17 J-19 J-21 J-23 J-25 J-27	Circuit Description (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	Poles 1 1 1 1 1 2 2 2 3	A 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	0 VA 0 VA 0 VA 0 VA	E 0 VA 0 VA 0 VA 0 VA	3 0 VA 0 VA 0 VA 0 VA	0 VA 0 VA 0 VA	0 VA 0 VA 0 VA	Poles 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT 	Circuit Description																																																																
	CKT DP6-2 DP6-4 DP6-6 DP6-8 DP6-10 DP6-12 DP6-14 DP6-16 DP6-18 DP6-20	Notes: CKT J-1 J-3 J-5 J-7 J-9 J-11 J-13 J-15 J-17 J-19 J-21 J-23 J-25 J-27 J-29 J-31 .L-33	Circuit Description (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	Poles 1 1 1 1 1 1 2 2 2 3 3	A 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 V	0 VA 0 VA 0 VA 0 VA	E 0 VA 0 VA 0 VA 0 VA 0 VA	3 0 VA 0 VA 0 VA 0 VA 0 VA	C 0 VA 0 VA 0 VA 0 VA	0 VA 0 VA 0 VA 0 VA	Poles 1 1 1 1 2 2 2 2 2 2 2 3	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT 	Circuit Description																																																																
	CKT DP6-2 DP6-4 DP6-6 DP6-10 DP6-12 DP6-14 DP6-16 DP6-18 DP6-20	Notes: CKT J-1 J-3 J-5 J-7 J-9 J-11 J-13 J-15 J-17 J-19 J-21 J-23 J-25 J-27 J-29 J-21 J-23 J-25 J-27 J-29 J-31 J-33 J-35 J-37	Circuit Description (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	Poles 1 1 1 1 1 2 2 2 2 3 3 3	A 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 V	0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	E 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	3 0 VA 0 VA 0 VA 0 VA 0 VA	C 0 VA 0 VA 0 VA 0 VA 0 VA	0 VA 0 VA 0 VA 0 VA 0 VA	Poles 1 1 1 1 2 2 2 2 2 2 3 3	Trip 20 A	(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT	Circuit Description																																																																
	CKT DP6-2 DP6-4 DP6-6 DP6-8 DP6-10 DP6-12 DP6-14 DP6-16 DP6-18 DP6-20	Notes: CKT J-1 J-3 J-5 J-7 J-9 J-11 J-13 J-15 J-17 J-19 J-21 J-23 J-25 J-27 J-29 J-21 J-23 J-25 J-27 J-29 J-31 J-33 J-35 J-37 J-39 J-41 J-43	Circuit Description (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT <tr <="" td=""><td>Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A</td><td>Poles 1 1 1 1 1 2 2 2 2 3 3 3 3 3 3</td><td>A 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 V</td><td>0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA</td><td>E 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA</td><td>3 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA</td><td>C 0 VA 0 VA 0 VA 0 VA 0 VA</td><td>0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA</td><td>Poles 1 1 1 1 2 2 2 2 2 2 3 3 3 3</td><td>Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A</td><td>(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT </td><td>Circuit Description</td></tr> <tr><td></td><td>CKT DP6-2 DP6-4 DP6-6 DP6-8 DP6-10 DP6-12 DP6-14 DP6-16 DP6-18 DP6-20</td><td>Notes: CKT J-1 J-3 J-5 J-7 J-9 J-11 J-13 J-15 J-17 J-19 J-21 J-23 J-25 J-27 J-29 J-21 J-23 J-25 J-27 J-29 J-31 J-33 J-35 J-37 J-39 J-41 J-43 J-45 J-47</td><td>Circuit Description (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT </td><td>Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A </td><td>Poles 1 1 1 1 1 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3</td><td>A 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 V</td><td>0 VA 0 VA 0 VA 0 VA 0 VA 0 VA</td><td>E</td><td>3 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA</td><td>C 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA</td><td>0 VA 0 VA 0 VA 0 VA 0 VA 0 VA</td><td>Poles 1 1 1 1 2 2 2 2 2 3 3 3 3 3</td><td>Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A</td><td>(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT </td><td>Circuit Description</td></tr> <tr><td></td><td>CKT DP6-2 DP6-4 DP6-6 DP6-8 DP6-10 DP6-12 DP6-14 DP6-16 DP6-18 DP6-20</td><td>Notes: CKT J-1 J-3 J-5 J-7 J-9 J-11 J-13 J-15 J-17 J-19 J-21 J-23 J-25 J-27 J-29 J-21 J-23 J-25 J-27 J-29 J-31 J-33 J-33 J-35 J-37 J-39 J-41 J-43 J-45 J-47 J-49 J-51 J-51 J-53</td><td>Circuit Description (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT </td><td>Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A</td><td>Poles 1 1 1 1 1 1 2 2 2 2 3</td><td>A 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 V</td><td>0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA</td><td>E 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA</td><td>3 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA</td><td>C 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA</td><td>0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA</td><td>Poles 1 1 1 1 2 2 2 2 2 2 3 3 3 3 3</td><td>Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A</td><td>(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT </td><td>Circuit Description</td></tr> <tr><td></td><td>CKT DP6-2 DP6-4 DP6-6 DP6-10 DP6-12 DP6-14 DP6-16 DP6-18 DP6-20</td><td>Notes: J-1 J-3 J-5 J-7 J-9 J-11 J-13 J-15 J-17 J-19 J-21 J-23 J-25 J-27 J-29 J-21 J-23 J-25 J-27 J-29 J-31 J-33 J-35 J-37 J-39 J-41 J-43 J-45 J-47 J-49 J-51 J-53 J-55</td><td>Circuit Description (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT</td><td>Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A</td><td>Poles 1 1 1 1 1 1 2 2 2 2 3</td><td>A 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 V</td><td>0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA</td><td>E 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA</td><td>3 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA</td><td>C 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA</td><td>0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA</td><td>Poles 1 1 1 1 2 2 2 2 2 2 3 3 3 3 1</td><td>Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A</td><td>(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT </td><td></td></tr> <tr><td></td><td>CKT DP6-2 DP6-4 DP6-6 DP6-10 DP6-12 DP6-14 DP6-16 DP6-18 DP6-20</td><td>Notes: J-1 J-3 J-5 J-7 J-9 J-11 J-13 J-15 J-17 J-19 J-21 J-23 J-25 J-27 J-29 J-21 J-23 J-25 J-27 J-29 J-31 J-33 J-35 J-37 J-39 J-41 J-43 J-45 J-47 J-49 J-51 J-53 J-55 Legend</td><td>Circuit Description (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT</td><td>Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A A </td><td>Poles 1 1 1 1 1 2 2 2 2 3</td><td>A 0 VA 1 0 VA</td><td>0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA</td><td>E 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA</td><td>3 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA</td><td>C 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA</td><td>0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA</td><td>Poles 1 1 1 1 2 2 2 2 2 2 3 3 3 3 3</td><td>Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A</td><td>(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT </td><td></td></tr>	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	Poles 1 1 1 1 1 2 2 2 2 3 3 3 3 3 3	A 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 V	0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	E 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	3 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	C 0 VA 0 VA 0 VA 0 VA 0 VA	0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	Poles 1 1 1 1 2 2 2 2 2 2 3 3 3 3	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT 	Circuit Description		CKT DP6-2 DP6-4 DP6-6 DP6-8 DP6-10 DP6-12 DP6-14 DP6-16 DP6-18 DP6-20	Notes: CKT J-1 J-3 J-5 J-7 J-9 J-11 J-13 J-15 J-17 J-19 J-21 J-23 J-25 J-27 J-29 J-21 J-23 J-25 J-27 J-29 J-31 J-33 J-35 J-37 J-39 J-41 J-43 J-45 J-47	Circuit Description (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 	Poles 1 1 1 1 1 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	A 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 V	0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	E	3 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	C 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	Poles 1 1 1 1 2 2 2 2 2 3 3 3 3 3	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT 	Circuit Description		CKT DP6-2 DP6-4 DP6-6 DP6-8 DP6-10 DP6-12 DP6-14 DP6-16 DP6-18 DP6-20	Notes: CKT J-1 J-3 J-5 J-7 J-9 J-11 J-13 J-15 J-17 J-19 J-21 J-23 J-25 J-27 J-29 J-21 J-23 J-25 J-27 J-29 J-31 J-33 J-33 J-35 J-37 J-39 J-41 J-43 J-45 J-47 J-49 J-51 J-51 J-53	Circuit Description (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	Poles 1 1 1 1 1 1 2 2 2 2 3	A 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 V	0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	E 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	3 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	C 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	Poles 1 1 1 1 2 2 2 2 2 2 3 3 3 3 3	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT 	Circuit Description		CKT DP6-2 DP6-4 DP6-6 DP6-10 DP6-12 DP6-14 DP6-16 DP6-18 DP6-20	Notes: J-1 J-3 J-5 J-7 J-9 J-11 J-13 J-15 J-17 J-19 J-21 J-23 J-25 J-27 J-29 J-21 J-23 J-25 J-27 J-29 J-31 J-33 J-35 J-37 J-39 J-41 J-43 J-45 J-47 J-49 J-51 J-53 J-55	Circuit Description (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	Poles 1 1 1 1 1 1 2 2 2 2 3	A 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 V	0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	E 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	3 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	C 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	Poles 1 1 1 1 2 2 2 2 2 2 3 3 3 3 1	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT 			CKT DP6-2 DP6-4 DP6-6 DP6-10 DP6-12 DP6-14 DP6-16 DP6-18 DP6-20	Notes: J-1 J-3 J-5 J-7 J-9 J-11 J-13 J-15 J-17 J-19 J-21 J-23 J-25 J-27 J-29 J-21 J-23 J-25 J-27 J-29 J-31 J-33 J-35 J-37 J-39 J-41 J-43 J-45 J-47 J-49 J-51 J-53 J-55 Legend	Circuit Description (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A A	Poles 1 1 1 1 1 2 2 2 2 3	A 0 VA 1 0 VA	0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	E 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	3 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	C 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	Poles 1 1 1 1 2 2 2 2 2 2 3 3 3 3 3	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT 	
Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	Poles 1 1 1 1 1 2 2 2 2 3 3 3 3 3 3	A 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 V	0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	E 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	3 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	C 0 VA 0 VA 0 VA 0 VA 0 VA	0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	Poles 1 1 1 1 2 2 2 2 2 2 3 3 3 3	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT 	Circuit Description																																																																				
	CKT DP6-2 DP6-4 DP6-6 DP6-8 DP6-10 DP6-12 DP6-14 DP6-16 DP6-18 DP6-20	Notes: CKT J-1 J-3 J-5 J-7 J-9 J-11 J-13 J-15 J-17 J-19 J-21 J-23 J-25 J-27 J-29 J-21 J-23 J-25 J-27 J-29 J-31 J-33 J-35 J-37 J-39 J-41 J-43 J-45 J-47	Circuit Description (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 	Poles 1 1 1 1 1 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	A 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 V	0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	E	3 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	C 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	Poles 1 1 1 1 2 2 2 2 2 3 3 3 3 3	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT 	Circuit Description																																																																
	CKT DP6-2 DP6-4 DP6-6 DP6-8 DP6-10 DP6-12 DP6-14 DP6-16 DP6-18 DP6-20	Notes: CKT J-1 J-3 J-5 J-7 J-9 J-11 J-13 J-15 J-17 J-19 J-21 J-23 J-25 J-27 J-29 J-21 J-23 J-25 J-27 J-29 J-31 J-33 J-33 J-35 J-37 J-39 J-41 J-43 J-45 J-47 J-49 J-51 J-51 J-53	Circuit Description (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	Poles 1 1 1 1 1 1 2 2 2 2 3	A 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 V	0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	E 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	3 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	C 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	Poles 1 1 1 1 2 2 2 2 2 2 3 3 3 3 3	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT 	Circuit Description																																																																
	CKT DP6-2 DP6-4 DP6-6 DP6-10 DP6-12 DP6-14 DP6-16 DP6-18 DP6-20	Notes: J-1 J-3 J-5 J-7 J-9 J-11 J-13 J-15 J-17 J-19 J-21 J-23 J-25 J-27 J-29 J-21 J-23 J-25 J-27 J-29 J-31 J-33 J-35 J-37 J-39 J-41 J-43 J-45 J-47 J-49 J-51 J-53 J-55	Circuit Description (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	Poles 1 1 1 1 1 1 2 2 2 2 3	A 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 V	0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	E 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	3 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	C 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	Poles 1 1 1 1 2 2 2 2 2 2 3 3 3 3 1	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT 																																																																	
	CKT DP6-2 DP6-4 DP6-6 DP6-10 DP6-12 DP6-14 DP6-16 DP6-18 DP6-20	Notes: J-1 J-3 J-5 J-7 J-9 J-11 J-13 J-15 J-17 J-19 J-21 J-23 J-25 J-27 J-29 J-21 J-23 J-25 J-27 J-29 J-31 J-33 J-35 J-37 J-39 J-41 J-43 J-45 J-47 J-49 J-51 J-53 J-55 Legend	Circuit Description (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A A	Poles 1 1 1 1 1 2 2 2 2 3	A 0 VA 1 0 VA	0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	E 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	3 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	C 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	Poles 1 1 1 1 2 2 2 2 2 2 3 3 3 3 3	Trip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	(e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT (e)CIRCUIT 																																																																	



| |
 |

 | |
 | | | NEW PANEL "I1"
 |
 | | | |
 |

--
---|--
--
--|---|--
--
--|--
--|--|---|
| | Y 6
 | Volts: 120/20

 | 18 W/ve |
 | AIC Rating: 22.00 | 00 |
 |
 | Volts: 120/208 | 3 W/ve | ALC Rating |
 |
| Supply From: | 10
 | Phases: 3

 | o wye |
 | Mains Type: MLO |) | Supply From: NEW P
 | ANEL DP6
 | Phases: 3 | , vvye | Mains Type: MLO |
 |
| Mounting: Recessed |
 | Wires: 4

 | |
 | Mains Rating: 400 | A | Mounting: Recess
 | ed
 | Wires: 4 | | Mains Rating: 200 A |
 |
| Enclosure: NEMA 1 |
 |

 | |
 | MCB Rating: 350 / | A | Enclosure: NEMA
 | 1
 | | | MCB Rating: 200 A |
 |
| .: |
 |

 | |
 | | | Notes:
 |
 | | | |
 |
| |
 |

 | |
 | | |
 |
 | | | |
 |
| Circuit Description | Trip Poles A 200 A 3 13183
 | B

 | С | Poles T
 | Trip Circ | cuit Description CKT | CKT Circuit Description
 | Trip Poles A 20 A 1 180 VA 1
 | B 000 VA | C Po | les Trip Circuit Desci
20 A STORAGE/CLASSROOM |
 |
| 3 |
 | 13124 VA

 | 12161 \/A |
 | | DP6-4 | 11-3 SCULLERY COUNTER OUTLETS
 | 20 A 1
 | 540 VA 696 V/ | | 20 A DISHWASHER |
 |
| -5
-7 NEW PANEL "I2" | 200 A 3 6048 VA
 |

 | |
 | | DP-0-0
DP-8 | 11-7 WASHER
 | 20 A 1 1200 VA
 | 360 VA | | 20 A COUNTER OUTLETS |
 |
| 9
 1 |
 | 4596 VA

 | 5252 VA |
 | | DP6-10
DP6-12 | I1-9 DARWIN CHAMBER
 | 20 A 1 20 A 1
 | 780 VA 1128 V | A 1
864 VA 853 VA 2 | 20 A ICE MACHINE
2 20 A BLAST FREEZER |
 |
| |
 |

 | |
 | | DP6-14 | 11-13 COUNTER OUTLETS
 | 20 A 1 360 VA
 | 353 VA | - | |
 |
| <u>17</u> |
 |

 | |
 | | DP6-16
DP6-18 | II-15 COUNTER OUTLETS
 | 20 A 1 20 A 1
 | 360 VA 360 VA | 360 VA 360 VA 1 | 20 A COUNTER OUTLETS |
 |
| 19 (e)PANEL J
21 | 225 A 3 12000
 | 12000 \/A

 | |
 | | DP6-20 | 11-19 COUNTER OUTLETS
 | 20 A 1 360 VA
 | 360 VA | | 20 A COUNTER OUTLETS |
 |
| 3 |
 | 12000 VA

 | 12000 VA |
 | | DP6-22 | 11-21 COUNTER OUTLETS
 | 20 A 1 20 A 1
 | 360 VA 360 VA | 360 VA 360 VA 1 | 20 A COUNTER OUTLETS |
 |
| 25 (e)PANEL JA | 100 A 3 6000 VA
 | 6000 \/A

 | |
 | | DP6-26 | 11-25 TEACHER OUTLETS
 | 20 A 1 540 VA 4
 | 000 VA | A 2 | 2 20 A DRYER |
 |
| 9 |
 |

 | 6000 VA |
 | | DP6-28
DP6-30 | 11-27 TEACHER/TV OUTLETS
11-29 TEACHER/TV OUTLETS
 | 20 A 1 20 A
 | 540 VA 4000 V | 540 VA 4000 VA 2 |
2 20_A FOOD WARMER |
 |
| |
 |

 | |
 | | DP6-32 | I1-31 Lighting
 | 20 A 1 70 VA 4
 | 000 VA | | |
 |
| <u>}</u> |
 |

 | |
 | | DP6-34 | 11-33 FOOD WARMER
 | 20 A 2
 | 4000 VA | 4000 VA | |
 |
| |
 |

 | |
 | | DP6-38 | 11-37
 |
 | | | |
 |
| <u>/</u> |
 |

 | |
 | | DP6-40
DP6-42 | II-39
I1-41
 |
 | | | |
 |
| | Total Load: 37226 V
 | A 35720 VA

 | 36407 VA |
 | | |
 | Total Load: 13183
 | VA 13124 VA | 13161 VA | · · |
 |
| l: | Total Amps: 311 A
 | 298 A

 | 304 A |
 | | | Legend:
 | Total Amps: 110
 | A 109 A | 110 A | |
 |
| u. |
 |

 | |
 | | |
 |
 | | | |
 |
| d Classification | Connected Load
 | Demand Factor

 | Estimated Dema | nd
 | Par | nel Totals | Load Classification
 | Connected Load
 | Demand Factor | Estimated Demand | Panel Total |
 |
| en Equipment - Non-Dwelling Unit | 40040 VA
 | 65.00%

 | 26026 VA |
 | Total Osman 1 | ad: 100252\/A | Kitchen Equipment - Non-Dwelling Unit
 | 28488 VA
 | 65.00% | 18517 VA | Total Come Las Las 100.00 |
 |
| <u>ıy</u> | 1/62 VA
 | 100.00%

 | 1/62 VA |
 | I Otal Conn. Loa
Total Est Demar | au: 109353 VA
nd: 94524 VA | Lignting
Receptacle
 | /U VA
10000 \/A
 | 100.00%
95.83% | 10455 VA | I OTAL CONN. LOAd: 3946
Total Fet Demand: 2004 |
 |
|
∋r | 2001 VA
 | 100.00%

 | 2001 VA |
 | Total Con | in.: 304 A |
 | 10505 VA
 | 55.0570 | | Total Conn.: 110 A |
 |
| ptacle | 11629 VA
 | 93.00%

 | 10815 VA |
 | Total Est. Demar | nd: 262 A |
 |
 | | | Total Est. Demand: 81 A |
 |
| are | 54000 VA
 | 100.00%

 | 54000 VA |
 | | |
 |
 | | | |
 |
| Location: WALK IN F
Supply From:
Mounting: SURFACE | REZ. 11
 | Volts: 120/20

 | 08 Wye |
 | | |
 |
 | | | |
 |
| Enclosure: NEMA 3R |
 | Wires: 4

 | |
 | A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 2007
MCB Rating: 2007 | 00
)
A
A | NEW PANEL "I2"
Location: JAN 8
Supply From: NEW P
 | ANEL DP6
 | Volts: 120/208
Phases: 3 | 3 Wye | A.I.C. Rating:
Mains Type: MLO |
 |
| Enclosure: NEMA 3R |
 | Phases: 3
Wires: 4

 | |
 | A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 2007
MCB Rating: 2007 | 00
)
A
A | NEW PANEL "12"
Location: JAN 8
Supply From: NEW P
Mounting: Recess
Enclosure: NEMA
 | ANEL DP6
ed
1
 | Volts: 120/208
Phases: 3
Wires: 4 | 3 Wye | A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A |
 |
| Enclosure: NEMA 3R | Trin Dalas
 | Phases: 3
Wires: 4

 | | Deles
 | A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 / | 00
A
A | NEW PANEL "12"
Location: JAN 8
Supply From: NEW P
Mounting: Recess
Enclosure: NEMA
 | ANEL DP6
ed
1
 | Volts: 120/208
Phases: 3
Wires: 4 | 3 Wye | A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A |
 |
| Enclosure: NEMA 3R : Circuit Description MAU2 | Trip Poles A 20 A 3 1896 VA 78
 | Phases: 3
Wires: 4

 | С | Poles T 3 2
 | A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 / | 00
A
A
A
A
KM-2 | NEW PANEL "12"
Location: JAN 8
Supply From: NEW P
Mounting: Recess
Enclosure: NEMA
 | ANEL DP6
ed
1
 | Volts: 120/208
Phases: 3
Wires: 4 | 3 Wye | A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A |
 |
| Enclosure: NEMA 3R
es:
<u>T Circuit Description</u>
<u>-1 MAU2</u>
-3
-5 | Trip Poles A 20 A 3 1896 VA 78
 | Phases: 3
Wires: 4
30 VA B
30 VA 1896 VA 780 V

 | C
/A
1896 VA 780 V/ | Poles T
3 2

 | A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 / | 00
A
A
A
A
M
CKT
KM-2
KM-4
KM-6 | NEW PANEL "I2" Location: JAN 8 Supply From: NEW P Mounting: Recess Enclosure: NEMA Notes: CKT CKT Circuit Description
 | ANEL DP6
ed
1
Trip Poles A
 | Volts: 120/208
Phases: 3
Wires: 4
B | 3 Wye | A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A |
 |
| Enclosure: NEMA 3R
es:
T Circuit Description
-1 MAU2
-3
-5
-7 MAU1
0 | Trip Poles A 20 A 3 1896 VA 78 20 A 2 1612 VA 16
 | Phases: 3
Wires: 4
30 VA
1896 VA 780 V
12 VA

 | C
/A 1896 VA 780 V/ | Poles T
3 2

A
2 2
 | A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 2007
MCB Rating: 2007
MCB Rating: 2007 | 00
A
A
A
A
KM-2
KM-4
KM-6
KM-6 | NEW PANEL "I2" Location: JAN 8 Supply From: NEW P Mounting: Recess Enclosure: NEMA Notes: CKT CKT Circuit Description 12-1 HOOD 5 12-3
 | ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 1000 VA
 | Volts: 120/208
Phases: 3
Wires: 4
B
1000 VA | 3 Wye | A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A |
 |
| Enclosure: NEMA 3R
s:
<u>Circuit Description</u>
<u>MAU2</u>
-3
-5
-7 MAU1
-9
11 MAU3 | Trip Poles A 20 A 3 1896 VA 78 20 A 2 1612 VA 16 1612 VA 16 20 A 3
 | Phases: 3
Wires: 4
30 VA
1896 VA
12 VA
1612 VA
1612 VA
1612 VA

 | C
/A 1896 VA 780 V/
VA 1896 VA | Poles T
3 2

A
2 2

 | A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Crip Circ
20 A KEF6

20 A KEF7
 | 00
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A | NEW PANEL "I2" Location: JAN 8 Supply From: NEW P Mounting: Recess Enclosure: NEMA Notes: CKT CKT CKT Circuit Description 12-1 HOOD 5 12-3 HOOD 6 12-5 HOOD 7 12-7
 | ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 4000 VA
 | Volts: 120/208
Phases: 3
Wires: 4
B
1000 VA | 3 Wye C Pol | A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A |
 |
| Enclosure: NEMA 3R
s:
<u>Circuit Description</u>
1 MAU2
3
5
7 MAU1
9
1 MAU3
3
5 | Trip Poles A 20 A 3 1896 VA 78 20 A 2 1612 VA 16 20 A 2 1612 VA 16 1896 VA
 | Phases: 3
Wires: 4
Wires: 4
30 VA
1896 VA 780 V
12 VA
1612 VA 1612 V
1612 VA

 | C
/A
1896 VA
VA
1896 VA
1896 VA | Poles T
3 2

A
2 2

 | A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 2007
MCB Rating: 2007
MCB Rating: 2007
Crip Circ
20 A KEF6

20 A KEF7
 | 00
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A | NEW PANEL "I2" Location: JAN 8 Supply From: NEW P Mounting: Recess Enclosure: NEMA Notes: CKT Circuit Description 12-1 HOOD 5 12-3 HOOD 6 12-5 HOOD 7 12-7 HOOD 3
 | ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 20 A
20 A 1 400 VA
20 A 1 400 VA
20 A 1 400 VA
20 A 1 400 VA
20 A 1 400 VA
 | Volts: 120/208
Phases: 3
Wires: 4
1000 VA
1000 VA
1000 VA | 3 Wye
C Pol
1000 VA
1000 VA | A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A
Ies Trip Circuit Descu |
 |
| KT Circuit Description M-1 MAU2 M-3 M-5 M-7 MAU1 M-9 M-11 MAU2 | Trip Poles A 20 A 3 1896 VA 78 1612 VA 16 1612 VA 16 1896 VA 16 18 20 A 2
 | Phases: 3
Wires: 4
30 VA
1896 VA
12 VA
1612 VA
1612 VA
1612 VA
1612 VA

 | C
/A 4
1896 VA 780 V/
VA 1896 VA 780 V/
VA 4
1896 VA 4 | Poles T
3 2

2 2

 | A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Crice
20 A KEF6

20 A KEF7
 | 00
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A | CKT Circuit Description 12-1 HOOD 5 12-3 HOOD 6 12-5 HOOD 7 12-7 HOOD 1
 | ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 1000 VA
20 A 1 1000 VA
20 A 1 1000 VA
20 A 1 1000 VA
 | Volts: 120/208 Phases: 3 Wires: 4 B 1000 VA 1000 VA 1000 VA 1000 VA 1000 VA | 3 Wye
C Po
1000 VA
1000 VA
1000 VA | A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A |
 |
| T Circuit Description 1 MAU2 3 5 7 MAU1 ·9 11 MAU3 13 15 17 KEF1 19 14 KEF2 | Trip Poles A 20 A 3 1896 VA 78 20 A 2 1612 VA 16 1896 VA 20 A 3 20 A 2 1612 VA 16 1896 VA 20 A 2 718 VA
 | Phases: 3
Wires: 4
Wires: 4
30 VA
1896 VA
12 VA
1612 VA
1612 VA
1612 VA
1612 VA
1612 VA

 | C
/A
1896 VA
780 V/
VA
1896 VA
1896 VA
718 VA
718 VA | Poles T
3 2

A
2 2

 | A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Crrc
20 A KEF6

20 A KEF7
 | 00
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A | CKT Circuit Description I2-1 HOOD 5 I2-3 HOOD 6 I2-5 HOOD 7 I2-7 HOOD 4 I2-9 HOOD 3 I2-11 HOOD 2 I2-13 HOOD 1 I2-15 COUNTER OUTLETS
 | ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 1000 VA
 | Volts: 120/208
Phases: 3
Wires: 4 | S Wye
C Pol
1000 VA
1000 VA
1000 VA
1000 VA
0
1000 VA
0
0
0
0
0
0
0
0
0
0
0
0
0 | A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A
Ies Trip Circuit Descr
Indication Circuit Descr
Inditation Circuit Descr
Indication Circuit Descr | |
| Enclosure: NEMA 3R s: Circuit Description MAU2 A MAU2 A MAU1 A MAU1 A A A A A A A A - | Trip Poles A 20 A 3 1896 VA 78 20 A 2 1612 VA 16 1896 VA 20 A 3 20 A 2 1612 VA 16 1896 VA 20 A 2 20 A 2 20 A 2 20 A 3 20 A 3 20 A 3 20 A 3
 | Phases: 3
Wires: 4
Wires: 4
30 VA
1896 VA
1896 VA
1612 VA
1612 VA
1612 VA
1612 VA
1612 VA
1612 VA
1612 VA
1612 VA

 | C
/A
1896 VA
780 V/
VA
1896 VA
1896 VA
780 VA | Poles T
3 2

A
2 2

 | A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Circ
20 A KEF6

20 A KEF7
 | 00
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A | CKT Circuit Description 12-1 HOOD 5 12-3 HOOD 6 12-5 HOOD 7 12-7 HOOD 4 12-9 HOOD 3 12-11 HOOD 2 12-13 HOOD 1 12-14 HOOD 2 12-15 COUNTER OUTLETS 12-15 COUNTER OUTLETS 12-17 COUNTER
OUTLETS 12-17 COUNTER OUTLETS 12-19 WALKIN TEMP ALAPM DANIEL | ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 1000 VA
20 A 1 4
20 A 1 1000 VA
20 A 1 4
20 A 1 1000 VA
20 A 1 4
20 A 1 4
2 | Volts: 120/208 Phases: 3 Wires: 4 Image: State Sta | B Wye
C Pol
1000 VA
1000 VA
1000 VA
360 VA
360 VA
 | A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A | |
| Enclosure: NEMA 3R s:
T Circuit Description
1 MAU2
3
5
7 MAU1
9
11 MAU3
13
15
17 KEF1
19
21 KEF2
23
25
21 KEF2
23
25
25
27 KEF2
23
25
25
27 KEF2
23
25
27 KEF2
23
25
25
27 KEF2
27
27 KEF2
28
29
21 KEF2
29
21 KEF2
20
21 KEF2
20
21 KEF2
20
21 KEF2
21 KEF2
22
21 KEF2
23
25
25
27 KEF2
27
27 KEF2
28
29
21 KEF2
20
21 KEF2
20
21 KEF2
21
21 KEF2
21
21
21 KEF2
21
21 KEF2
21
21
21 KEF2
21
21
21 KEF2
21
21 KEF2
21
21 KEF2
21
21 KEF2
21
21 KEF2
21
21 KEF2
21
21 KEF2
21
21 KEF2
21
21 KEF2
21
21 KEF2
21 KEF2
2 | Trip Poles A 20 A 3 1896 VA 78 1612 VA 16 1896 VA 16 718 VA 16 718 VA 16 718 VA 16 780 VA 16
 | Phases: 3
Wires: 4
30 VA
1896 VA
1896 VA
1612 VA
1612 VA
1612 VA
1612 VA
1612 VA
1612 VA
1612 VA
1612 VA
 | C
/A 1896 VA 780 V/
1896 VA 780 V/
VA 1896 VA 2
1896 VA 2
718 VA 2
718 VA 2
7718 VA 2 | Poles T
3 2
7
2 2
7
2 2
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7

 | A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Circ
20 A KEF6

20 A KEF7
 | 00
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A | CKT Circuit Description 12-1 HOOD 5 12-3 HOOD 6 12-5 HOOD 7 12-7 HOOD 4 12-9 HOOD 3 12-11 HOOD 2 12-13 HOOD 1 12-14 CUTTER OUTLETS 12-15 COUNTER OUTLETS 12-17 WALKIN TEMP ALARM PANEL 12-19 WALKIN FREEZER DOOR HEATER
 | ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 1000 VA | Volts: 120/208 Phases: 3 Wires: 4 Image: State Sta | 3 Wye
C Po
1000 VA
1000 VA
1000 VA
360 VA
360 VA
0
1000 VA | A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A
Ies Trip Circuit Descr
Circuit Descr |
 |
| Enclosure: NEMA 3R
PS:
T Circuit Description
-1 MAU2
-3
-5
-7 MAU1
-9
11 MAU3
13
15
17 KEF1
19
21 KEF2
23
25
27 KEF3
29 | Trip Poles A 20 A 3 1896 VA 78 20 A 2 1612 VA 16 1896 VA 20 A 3 20 A 2 1612 VA 16 1896 VA 20 A 2 20 A 2 20 A 2 20 A 3 718 VA 20 A 3 780 VA <td>Phases: 3
Wires: 4
Wires: 4
30 VA
1896 VA
1896 VA
1612 VA</td> <td>C
/A
1896 VA
1896 VA
780 VA
1896 VA
780 VA
718 VA
7718 VA
7718 VA
1020 VA</td> <td>Poles T 3 2 2 2 2 2 2 2 2 2 </td> <td>A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Circ
20 A KEF6

20 A KEF7

20 A KEF7
</td> <td>00
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A</td> <td>CKT Circuit Description 12-1 HOOD 5 12-3 HOOD 6 12-5 HOOD 7 12-7 HOOD 4 12-9 HOOD 3 12-11 HOOD 2 12-3 HOOD 4 12-9 HOOD 7 12-10 HOOD 7 12-11 HOOD 7 12-12 WALKIN TEMP ALARM PANEL 12-13 WALKIN FREEZER DOOR HEATER 12-21 WALKIN FREEZER CONDENSOR 12-25 I</td> <td>ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 1000 VA
20 A 1 200
20 A 1 200
20</td> <td>Volts: 120/208 Phases: 3 Wires: 4 Image: State Sta</td> <td>B Wye
C Pol
1000 VA
1000 VA</td> <td>A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A
Ies Trip Circuit Desci</td>
 | Phases: 3
Wires: 4
Wires: 4
30 VA
1896 VA
1896 VA
1612 VA
 | C
/A
1896 VA
1896 VA
780 VA
1896 VA
780 VA
718 VA
7718 VA
7718 VA
1020 VA | Poles T 3 2 2 2 2 2 2 2 2 2
 | A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Circ
20 A KEF6

20 A KEF7

20 A KEF7

 | 00
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A | CKT Circuit Description 12-1 HOOD 5 12-3 HOOD 6 12-5 HOOD 7 12-7 HOOD 4 12-9 HOOD 3 12-11 HOOD 2 12-3 HOOD 4 12-9 HOOD 7 12-10 HOOD 7 12-11 HOOD 7 12-12 WALKIN TEMP ALARM PANEL 12-13 WALKIN FREEZER DOOR HEATER 12-21 WALKIN FREEZER CONDENSOR 12-25 I
 | ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 1000 VA
20 A 1 200
20 | Volts: 120/208 Phases: 3 Wires: 4 Image: State Sta | B Wye
C Pol
1000 VA
1000 VA | A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A
Ies Trip Circuit Desci |
 |
| KT Circuit Description A-1 MAU2 A-3 A-5 A-7 MAU1 A-9 I-11 MAU3 I-13 I-17 KEF1 I-19 I-21 KEF2 I-23 I-21 KEF3 I-29 I-31 I-21 KEF3 I-29 I-31 I-31 | Trip Poles A 20 A 3 1896 VA 78 1612 VA 16 1612 VA 16 1896 VA 16 718 VA 16 20 A 2 17 20 A 3 780 VA 10 20 A 3 780 VA 10 1020 VA 10
 | Phases: 3
Wires: 4
Wires: 4
30 VA
1896 VA
1896 VA
1612 VA

 | C /A - 1896 VA 780 V/ VA - 1896 VA 780 V/ VA - 718 VA - 718 VA - 718 VA - 1020 VA - 1020 VA - | Poles T
3 2

2 2

 | A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Circ
20 A KEF6
 | 00
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A | CKT Circuit Description 12-1 HOOD 5 12-3 HOOD 6 12-5 HOOD 7 12-7 HOOD 4 12-9 HOOD 1 12-11 HOOD 2 12-3 HOOD 6 12-5 HOOD 7 12-7 HOOD 7 12-11 HOOD 2 12-12 HOOD 7 12-13 HOOD 1 12-14 HOOD 2 12-15 COUNTER OUTLETS 12-17 COUNTER OUTLETS 12-19 WALKIN TEMP ALARM PANEL 12-21 WALKIN FREEZER DOOR HEATER 12-23 WALKIN FREEZER CONDENSOR 12-25 12-27 WALKIN REF CONDENSOR
 | ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 1000 VA
20 A 1 4
20 A 1
20 A 2
20 A | Volts: 120/208 Phases: 3 Wires: 4 Image: State Sta | B Wye
C Po
1000 VA
1000 VA | A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A
MCB Rating: 200 A
 | |
| Enclosure: NEMA 3R
PS:
T Circuit Description
-1 MAU2
-3
-5
-7 MAU1
-9
11 MAU3
13
15
17 KEF1
19
21 KEF2
23
25
27 KEF3
29
31
33 KEF4
35 | Trip Poles A 20 A 3 1896 VA 78 20 A 2 1612 VA 16 1896 VA 20 A 3 20 A 3 20 A 3 20 A 2 20 A 3 20 A 3 718 VA 780 VA 780 VA
 | Phases: 3
Wires: 4
Wires: 4
30 VA
1896 VA
1896 VA
1612 VA

 | C /A - 1896 VA 780 V/ 1896 VA - 1896 VA - 718 VA - 718 VA - 718 VA - 1020 VA - 5400 VA - | Poles T 3 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3
 | A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Circ
20 A KEF6

20 A KEF7

 | 00
A
A
A
A
A
Suit Description
KM-2
KM-2
KM-4
KM-4
KM-6
KM-4
KM-6
KM-8
KM-6
KM-8
KM-10
KM-11
KM-10
KM-12
KM-12
KM-14
KM-16
KM-12
KM-14
KM-16
KM-12
KM-20
KM-22
KM-22
KM-24
KM-28
KM-28
KM-30
KM-34
KM-34
KM-34 | CKT Circuit Description 12-1 HOOD 5 12-3 HOOD 6 12-5 HOOD 7 12-7 HOOD 4 12-9 HOOD 1 12-11 HOOD 2 12-7 HOOD 4 12-9 HOOD 1 12-10 VALKIN TEMP ALARM PANEL 12-12 WALKIN TEMP ALARM PANEL 12-21 WALKIN FREEZER DOOR HEATER 12-23 WALKIN FREEZER CONDENSOR 12-25 12-27 WALKIN REF CONDENSOR 12-29 12-21 WALKIN REF CONDENSOR 12-29 12-20
 | ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 1000 VA
 | Volts: 120/208 Phases: 3 Wires: 4 Image: State Sta | S Wye
C Pol
1000 VA
1000 VA | A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A
Ies Trip Circuit Descr
Circuit Descr | |
| Circuit Description -1 MAU2 -3 -5 -7 MAU1 -9 11 MAU3 13 15 17 KEF1 19 21 KEF2 23 25 27 KEF3 29 31 33 KEF4 35 37 | Trip Poles A 20 A 3 1896 VA 78 20 A 2 1612 VA 16 20 A 2 1612 VA 16 1896 VA 20 A 3 20 A 3 20 A 2 20 A 3 20 A 3 780 VA 780 VA 1020 VA 1020 VA
 | Phases: 3
Wires: 4
Wires: 4
30 VA
1896 VA
1896 VA
1612 VA

 | C /A - 1896 VA 780 V/ 1896 VA 780 V/ VA - 1896 VA - 1896 VA - 718 VA - 7718 VA - 7718 VA - 1020 VA - 5400 VA - 5400 VA - | Poles T 3 2 2 2 2 1 2 2 1
 | A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Circ
20 A KEF6

20 A KEF7

 | 00
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A | NEW PANEL "12" Location: JAN 8 Supply From: NEW P Mounting: Recess Enclosure: NEMA Notes: CKT Circuit Description 12-1 HOOD 5 12-3 HOOD 6 12-5 HOOD 7 12-7 HOOD 4 12-9 HOOD 3 12-11 HOOD 2 12-13 HOOD 1 12-15 COUNTER OUTLETS 12-17 COUNTER OUTLETS 12-19 WALKIN FREEZER DOOR HEATER 12-21 WALKIN FREEZER CONDENSOR 12-25 12-27 WALKIN REF CONDENSOR 12-29 12-31 WALKIN REF FANS
 12-33 WALKIN FREEZER FANS | ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 1000 VA
20 A 1 200
20 A 200
20 A 200
20 A 200
20 A 200
20 A 1 200
20 A 200
20 A 1 200
2 | Volts: 120/208 Phases: 3 Wires: 4 Image: State Sta | C Pol 1000 VA - 1000 VA - 1000 VA - 360 VA - 1040 VA -
 | A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A | |
| Enclosure: NEMA 3R S: Circuit Description 1 MAU2 3 5 7 MAU1 9 1 MAU3 3 5 7 KEF1 9 1 KEF2 3 5 7 KEF1 9 1 KEF2 3 5 7 KEF3 9 1 3 KEF4 5 7 9 KEF5 1 9 KEF5 1 | Trip Poles A 20 A 3 1896 VA 78 1612 VA 16 1612 VA 16 1896 VA 16 718 VA 16 20 A 2 1020 VA 16 20 A 3 16 1020 VA 16 16 20 A 3
 | Phases: 3 Wires: 4 Wires: 4 30 VA

 | C /A | Poles T 3 2 2 2 2 1 2 2 1 2 2 1 2 2 1 2 3 1 -
 | A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Circ
20 A KEF6

20 A KEF7

20 A KEF7

20 A KEF7
 | 00
A
A
A
A
A
Suit Description
KM-2
KM-2
KM-4
KM-6
KM-4
KM-6
KM-8
KM-10
KM-10
KM-12
KM-12
KM-12
KM-14
KM-16
KM-16
KM-18
KM-20
KM-22
KM-24
KM-28
KM-28
KM-30
KM-34
KM-34
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
K | NEW PANEL "12" Location: JAN 8 Supply From: NEW P Mounting: Recess Enclosure: NEMA Notes: CKT Circuit Description 12-1 HOOD 5 12-3 HOOD 6 12-5 HOOD 7 12-7 HOOD 4 12-9 HOOD 3 12-11 HOOD 2 12-13 HOOD 1 12-15 COUNTER OUTLETS 12-17 COUNTER OUTLETS 12-19 WALKIN FREEZER DOOR HEATER 12-23 WALKIN FREEZER CONDENSOR 12-25 12-27 WALKIN REF CONDENSOR 12-29 12-21 WALKIN REF FANS
 12-23 WALKIN REF FANS 12-24 12-25 12-26 12-27 WALKIN REF FANS 12-31 WALKIN FREEZER FANS 12-35 Lighting 12-35 Lighting <td>ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 000 VA
20 A 100 VA</td> <td>Volts: 120/208 Phases: 3 Wires: 4 Wires: 4 1000 VA 1 1000 VA 1 1000 VA 1 1000 VA 1 360 VA 1 360 VA 1 1000 VA<</td> <td>C Po 1000 VA - 1000 VA - 1000 VA - 360 VA - 360 VA - 1000 VA - 360 VA - 1040 VA - 1040 VA - 848 VA -</td> <td>A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A</td> | ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 000 VA
20 A 100 VA | Volts: 120/208 Phases: 3 Wires: 4 Wires: 4 1000 VA 1 1000 VA 1 1000 VA 1 1000 VA 1 360 VA 1 360 VA 1 1000 VA< | C Po 1000 VA - 1000 VA - 1000 VA - 360 VA - 360 VA - 1000 VA - 360 VA - 1040 VA - 1040 VA - 848 VA -
 | A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A | |
| Enclosure: NEMA 3R
es:
CT Circuit Description
-1 MAU2
-3
-5
-7 MAU1
-9
-11 MAU3
-13
-15
-17 KEF1
-19
-21 KEF2
-23
-25
-27 KEF3
-29
-31
-33 KEF4
-35
-37
-39 KEF5
-41 | Trip Poles A 20 A 3 1896 VA 78 4 78 1612 VA 16 1612 VA 16 1896 VA 78 20 A 2 1612 VA 16 1896 VA 16 1896 VA 16 1896 VA 16 718 VA 16 718 VA 16 20 A 3 16 20 A 3 16 780 VA 16 20 A 3 16 1020 VA 16 20 A 3 16 5400 VA 16 20 A 2 -
 | Phases: 3 Wires: 4 B 30 VA Image: 100 VA 1896 VA 780 VA 12 VA Image: 100 VA 1020 VA Image: 100 VA 1000 VA <thimage: 100="" th="" va<=""> Image: 100 VA<td>C /A - 1896 VA 780 V/ 1896 VA - 1896 VA - 1896 VA - 718 VA - 718 VA - 718 VA - 1020 VA - 5400 VA - 1612 VA - 14102 VA -</td><td>Poles T 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 4 2 3 4 5 6 7 7 8 9 9 10 11 12 13 14 15 16 17 18 19 10 </td><td>A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Circ
20 A KEF6

20 A KEF7

20 A KEF7
</td><td>00
A
A
A
A
Suit Description
CKT
KM-2
KM-2
KM-4
KM-6
KM-8
KM-6
KM-8
KM-10
KM-10
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-20
KM-20
KM-20
KM-22
KM-24
KM-28
KM-30
KM-30
KM-32
KM-34
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38</td><td>NEW PANEL "I2"Location: JAN 8Supply From: NEW PMounting: RecessEnclosure: NEMANotes:CKTCircuit DescriptionI2-1HOOD 5I2-3HOOD 6I2-5HOOD 7I2-7HOOD 4I2-9HOOD 3I2-11HOOD 2I2-13HOOD 1I2-15COUNTER OUTLETSI2-17COUNTER OUTLETSI2-19WALKIN FREEZER DOOR HEATERI2-21WALKIN FREEZER CONDENSORI2-25I2-27WALKIN REF CONDENSORI2-29I2-31WALKIN REEZER FANSI2-33WALKIN FREEZER FANSI2-34InglingI2-37LightingI2-39I2-39</td><td>ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 1000 VA
40 VA
20 A 1 1000 VA
40 VA
4</td><td>Volts: 120/208 Phases: 3 Wires: 4 Image: State Sta</td><td>C Pol 1000 VA - 1000 VA - 1000 VA - 360 VA - 360 VA - 1000 VA</td><td>A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A
Ies Trip Circuit Descr
Circuit Descr</td></thimage:> | C /A - 1896 VA 780 V/ 1896 VA - 1896 VA - 1896 VA - 718 VA - 718 VA - 718 VA - 1020 VA - 5400 VA - 1612 VA - 14102 VA - | Poles T 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 4 2 3 4 5 6 7 7 8 9 9 10 11 12 13 14 15 16 17 18 19 10
 | A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Circ
20 A KEF6

20 A KEF7

20 A KEF7

 | 00
A
A
A
A
Suit Description CKT
KM-2
KM-2
KM-4
KM-6
KM-8
KM-6
KM-8
KM-10
KM-10
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-20
KM-20
KM-20
KM-22
KM-24
KM-28
KM-30
KM-30
KM-32
KM-34
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38 | NEW PANEL "I2"Location: JAN 8Supply From: NEW PMounting: RecessEnclosure: NEMANotes:CKTCircuit DescriptionI2-1HOOD 5I2-3HOOD 6I2-5HOOD 7I2-7HOOD 4I2-9HOOD 3I2-11HOOD 2I2-13HOOD 1I2-15COUNTER OUTLETSI2-17COUNTER OUTLETSI2-19WALKIN FREEZER DOOR HEATERI2-21WALKIN FREEZER CONDENSORI2-25I2-27WALKIN REF CONDENSORI2-29I2-31WALKIN REEZER FANSI2-33WALKIN FREEZER FANSI2-34InglingI2-37LightingI2-39I2-39 | ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 1000 VA
40 VA
20 A 1 1000 VA
40 VA
4
 | Volts: 120/208 Phases: 3 Wires: 4 Image: State Sta | C Pol 1000 VA - 1000 VA - 1000 VA - 360 VA - 360 VA - 1000 VA | A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A
Ies Trip Circuit Descr
Circuit Descr | |
| Enclosure: NEMA 3R
es:
(T Circuit Description
1 MAU2
1 MAU2
1 MAU2
1 MAU2
1 MAU1
1 9
1 MAU3
1
1 MAU3
1
1 KEF1
-19
21 KEF2
-23
25
27 KEF3
-29
31
-33 KEF4
-35
-37
-39 KEF5
-41 | Trip Poles A 20 A 3 1896 VA 78 20 A 2 1612 VA 16 1896 VA 20 A 2 1612 VA 16 1896 VA 20 A 2 20 A 2 20 A 2 20 A 2 20 A 3 780 VA 20 A 3 1020 VA 5400 VA
 | Phases: 3 Wires: 4 B 30 VA Image: 1896 VA 1896 VA 780 VA 12 VA Image: 1612 VA 1612 VA 12 VA Image: 1612 VA Image: 1612 VA Image: 1612 VA Image: 1612 VA Image: 1612 VA Image: 1612 VA Image: 1612 VA Image: 1612 VA Image: Imag
 | C /A - 1896 VA 780 V/ 1896 VA - 1896 VA - 1896 VA - 718 VA - 718 VA - 718 VA - 1020 VA - 5400 VA - 1612 VA - 14102 VA - 118 A -
 | Poles T 3 2 2 2 2 1 2 2 1 2 2 1 2 2 1 1 1 2 1 1 1 <t< td=""><td>A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Circ
20 A KEF6

20 A KEF7

</td><td>00
A
A
A
A
A
Suit Description CKT
KM-2
KM-2
KM-4
KM-6
KM-6
KM-8
KM-6
KM-8
KM-10
KM-10
KM-12
KM-12
KM-14
KM-12
KM-14
KM-16
KM-18
KM-20
KM-22
KM-24
KM-28
KM-28
KM-30
KM-32
KM-34
KM-34
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-3</td><td>NEW PANEL ''I2'' Location: JAN 8 Supply From: NEW P Mounting: Recess Enclosure: NEMA Notes: CKT Circuit Description I2-1 HOOD 5 I2-3 HOOD 6 I2-5 HOOD 7 I2-7 HOOD 4 I2-9 HOOD 3 I2-11 HOOD 2 I2-13 HOOD 1 I2-15 COUNTER OUTLETS I2-17 COUNTER OUTLETS I2-19 WALKIN FREEZER DOOR HEATER I2-23 WALKIN FREEZER CONDENSOR I2-26 I2-27 WALKIN REF CONDENSOR I2-29 I2-31 WALKIN REF FANS I2-33 WALKIN REF FANS I2-33 WALKIN FREEZER FANS I2-34 UALKIN FREEZER FANS I2-35 Lighting I2-39 I2-31 I2-31 WALKIN FREEZER FANS I2-39 I2-41</td><td>ANEL DP6 ed 1 Trip Poles ▲ 20 A 1 1000 VA 4 20 A 1 500 VA 4 20 A 1 696 VA 4 20 A 1 849 VA 4 20 A</td></t<> <td>Volts: 120/208 Phases: 3 Wires: 4 Image: Strategy of the str</td> <td>C Po 1000 VA 9 1000 VA</td> <td>A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A</td>
 | A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Circ
20 A KEF6

20 A KEF7

 | 00
A
A
A
A
A
Suit Description CKT
KM-2
KM-2
KM-4
KM-6
KM-6
KM-8
KM-6
KM-8
KM-10
KM-10
KM-12
KM-12
KM-14
KM-12
KM-14
KM-16
KM-18
KM-20
KM-22
KM-24
KM-28
KM-28
KM-30
KM-32
KM-34
KM-34
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-3 | NEW PANEL ''I2'' Location: JAN 8 Supply From: NEW P Mounting: Recess Enclosure: NEMA Notes: CKT Circuit Description I2-1 HOOD 5 I2-3 HOOD 6 I2-5 HOOD 7 I2-7 HOOD 4 I2-9 HOOD 3 I2-11 HOOD 2 I2-13 HOOD 1 I2-15 COUNTER OUTLETS I2-17 COUNTER OUTLETS I2-19 WALKIN FREEZER DOOR HEATER I2-23 WALKIN FREEZER CONDENSOR I2-26 I2-27 WALKIN REF CONDENSOR I2-29 I2-31 WALKIN REF FANS I2-33 WALKIN REF FANS I2-33 WALKIN FREEZER FANS I2-34 UALKIN FREEZER FANS I2-35 Lighting I2-39 I2-31 I2-31 WALKIN FREEZER FANS I2-39 I2-41
 | ANEL DP6 ed 1 Trip Poles ▲ 20 A 1 1000 VA 4 20 A 1 500 VA 4 20 A 1 696 VA 4 20 A 1 849 VA 4 20 A | Volts: 120/208 Phases: 3 Wires: 4 Image: Strategy of the str | C Po 1000 VA 9 1000 VA | A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A
 | |
| Enclosure: NEMA 3R
es:
T Circuit Description
-1 MAU2
-3
-5
-7 MAU1
-9
-1 MAU3
13
15
17 KEF1
19
21 KEF2
23
25
27 KEF3
29
31
33 KEF4
35
37
39 KEF5
41 | Trip Poles A 20 A 3 1896 VA 78 1 1 1612 VA 16 1612 VA 16 1896 VA 16 718 VA 16 780 VA 16 20 A 3 18 20 A 3 16 780 VA 16 20 A 3 16 1020 VA 16 20 A 3 16 5400 VA 16 20 A 2 1
 | Phases: 3
Wires: 4
Wires: 4
1896 VA 780 V
12 VA 1896 VA 780 V
12 VA 1612 V
1896 VA 1612 V
1020 VA 1
1020 V
1020 V
100 V
100 V
100 V
1
 | C /A - 1896 VA 780 V/ VA - 1896 VA - 1896 VA - 718 VA - 718 VA - 718 VA - 1020 VA - 1020 VA - 11020 VA - 11612 VA - 1181 A -
 | Poles T 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 4 2 3 4 5 6 7 7 8 9 9 10 11 12 13 14 15 16 17 18
 | A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Contemporal for the second s | 00
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A | NEW PANEL "12" Location: JAN 8 Supply From: NEW P Mounting: Recess Enclosure: NEMA Notes: CKT Circuit Description 12-1 HOOD 5 12-3 12-1 HOOD 6 12-5 12-3 HOOD 6 12-5 12-4 HOOD 7 12-7 12-1 HOOD 2 12-13 12-11 HOOD 2 12-13 12-15 COUNTER OUTLETS 12-14 12-17 COUNTER OUTLETS 12-17 12-14 HOOD 2 12-17 12-15 COUNTER OUTLETS 12-19 12-14 HOOD 1 12-21 12-21 WALKIN FREEZER DOOR HEATER 12-23 12-23 WALKIN REF CONDENSOR 12-23 12-24 WALKIN REF FANS 12-33 12-35 Lighting 12-33 12-39 12-31 Lighting 12-39 12-31<
 | ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 1000 VA
20 A 1 200
20 A | Volts: 120/208 Phases: 3 Wires: 4 Image: | B Wye C Pol 1000 VA 9 100 VA | A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A |
 |
| Enclosure: NEMA 3R
es:
CT Circuit Description
1-1 MAU2
1-3
1-5
1-7 MAU1
1-9
-11 MAU3
-13
-15
-17 KEF1
-19
-21 KEF2
-23
-25
-27 KEF3
29
-31
-33 KEF4
-35
-37
-39 KEF5
-41 | Trip Poles A 20 A 3 1896 VA 78 20 A 2 1612 VA 16 1896 VA 16 1896 VA 16 20 A 2 1612 VA 16 1896 VA 16 20 A 3 17 20 A 2 18 20 A 2 20 A 3 20 A 3 780 VA 20 A 3 1020 VA 20 A 3 5400 VA 20 A 2 <td>Phases: 3
Wires: 4
Wires: 4
30 VA
1896 VA
1896 VA
1612 VA
1612 VA
1612 VA
1896 VA
1612 VA
1020 VA</td> <td>C /A - 1896 VA 780 V/ VA - 1896 VA 780 V/ VA - 718 VA - 7718 VA - 7718 VA - 7718 VA - 1020 VA - 1020 VA - 11020 VA - 11020 VA - 11020 VA - 11612 VA - 118 A -</td> <td>Poles T 3 2 2 2 2 1 2 2 1 2 2 1 1 1</td> <td>A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Circ
20 A KEF6

20 A KEF7

</td> <td>00
A
A
A
A
A
Suit Description CKT
KM-2
KM-2
KM-4
KM-6
KM-8
KM-6
KM-8
KM-10
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-13
KM-20
KM-20
KM-22
KM-28
KM-30
KM-30
KM-31
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-</td> <td>NEW PANEL "I2" Location: JAN 8 Supply From: NEW P Mounting: Recess Enclosure: NEMA Notes: CKT Circuit Description 12-1 HOOD 5 12-3 HOOD 6 12-5 HOOD 7 12-7 HOOD 4 12-9 HOOD 3 12-11 HOOD 2 12-13 HOOD 1 12-14 COUNTER OUTLETS 12-17 COUNTER OUTLETS 12-17 COUNTER OUTLETS 12-19 WALKIN TEMP ALARM PANEL 12-21 WALKIN FREEZER DOOR HEATER 12-23 WALKIN FREEZER CONDENSOR 12-25 12-27 WALKIN REF CONDENSOR 12-29 12-31 WALKIN REF FANS 12-33 WALKIN FREEZER FANS 12-34 UALKIN FREEZER FANS 12-35 Lighting 12-31 WALKIN FREEZER FANS 12-33 UALKIN FREEZER FANS 12-34 Legend:</td> <td>ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 1000 VA
1000 VA</td> <td>Volts: 120/208 Phases: 3 Wires: 4 1000 VA 1000 VA 1000 VA</td> <td>C Pol 1000 VA - 1000 VA</td> <td>A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A</td>
 | Phases: 3
Wires: 4
Wires: 4
30 VA
1896 VA
1896 VA
1612 VA
1612 VA
1612 VA
1896 VA
1612 VA
1020 VA
 | C /A - 1896 VA 780 V/ VA - 1896 VA 780 V/ VA - 718 VA - 7718 VA - 7718 VA - 7718 VA - 1020 VA - 1020 VA - 11020 VA - 11020 VA - 11020 VA - 11612 VA - 118 A - | Poles T 3 2 2 2 2 1 2 2 1 2 2 1 1 1
 | A.I.C. Rating: 22.00
Mains Type: MLO
Mains
Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Circ
20 A KEF6

20 A KEF7

 | 00
A
A
A
A
A
Suit Description CKT
KM-2
KM-2
KM-4
KM-6
KM-8
KM-6
KM-8
KM-10
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-13
KM-20
KM-20
KM-22
KM-28
KM-30
KM-30
KM-31
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM-38
KM- | NEW PANEL "I2" Location: JAN 8 Supply From: NEW P Mounting: Recess Enclosure: NEMA Notes: CKT Circuit Description 12-1 HOOD 5 12-3 HOOD 6 12-5 HOOD 7 12-7 HOOD 4 12-9 HOOD 3 12-11 HOOD 2 12-13 HOOD 1 12-14 COUNTER OUTLETS 12-17 COUNTER OUTLETS 12-17 COUNTER OUTLETS 12-19 WALKIN TEMP ALARM PANEL 12-21 WALKIN FREEZER DOOR HEATER 12-23 WALKIN FREEZER CONDENSOR 12-25 12-27 WALKIN REF CONDENSOR 12-29 12-31 WALKIN REF FANS 12-33 WALKIN FREEZER FANS 12-34 UALKIN FREEZER FANS 12-35 Lighting 12-31 WALKIN FREEZER FANS 12-33 UALKIN FREEZER FANS 12-34 Legend:
 | ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 1000 VA
1000 VA | Volts: 120/208 Phases: 3 Wires: 4 1000 VA 1000 VA 1000 VA | C Pol 1000 VA - 1000 VA | A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A
 | |
| Enclosure: NEMA 3R
T Circuit Description
-1 MAU2
-3
-5
-7 MAU1
-9
11 MAU3
13
15
17 KEF1
19
21 KEF2
23
25
27 KEF3
29
31
33 KEF4
35
37
39 KEF5
41 | Trip Poles A 20 A 3 1896 VA 78 20 A 2 1612 VA 16 1896 VA 16 1896 VA 16 20 A 2 1612 VA 16 1896 VA 16 1896 VA 16 1896 VA 16 1896 VA 16 20 A 2 18 20 A 3 16 718 VA 16 20 A 3 16 780 VA 16 20 A 3 16 1020 VA 16 20 A 3 16 5400 VA 16 20 A 2 16 <
 | Phases: 3
Wires: 4
30 VA
1896 VA
1896 VA
1612 VA
1612 VA
1612 VA
1896 VA
1612 VA
1612 VA
1020 VA

 | C /A 3 1896 VA 780 V/ 1896 VA 780 V/ 1896 VA 3 1896 VA 3 718 VA 3 718 VA 3 780 VA 3 780 VA 3 1020 VA 3 1020 VA 3 11020 VA 3 11020 VA 3 11612 VA 3 118 A 118 A | Poles T 3 2 2 2 2 1 2 2 1 2 2 1 2 1 2 1 3 1 4 1
 | A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Circ
20 A KEF6

20 A KEF7

20 A KEF7

20 A KEF7

20 A KEF7
 | 00
A
A
A
A | NEW PANEL "12" Location: JAN 8 Supply From: NEW P Mounting: Recess Enclosure: NEMA Notes: CKT Circuit Description 12-1 HOOD 5 12-3 12-1 HOOD 6 12-5 12-3 HOOD 6 12-5 12-4 HOOD 7 12-7 12-7 HOOD 4 12-9 12-9 HOOD 1 12-15 12-11 HOOD 2 12-13 12-15 COUNTER OUTLETS 12-14 12-21 WALKIN FREEZER DOOR HEATER 12-23 12-21 WALKIN FREEZER CONDENSOR 12-23 12-23 WALKIN REF CONDENSOR 12-24 12-31 WALKIN REF FANS 12-35 12-32 Lighting 12-37 12-33 WALKIN FREEZER FANS 12-39 12-34 Lighting 12-39 12-35 Lighting 12-39 12-31 Lighting 12-31
 | ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 1000 VA
1000 VA | Volts: 120/208 Phases: 3 Wires: 4 Image: State of the state o | C Po 1000 VA - 1000 VA
 | A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A
les Trip Circuit Desci
I I I I I I I I I I I I I I I I I I I | |
| Enclosure: NEMA 3R
SS:
T Circuit Description
-1 MAU2
-3
-5
-7 MAU1
-9
-11 MAU3
13
15
17 KEF1
19
21 KEF2
23
25
27 KEF3
29
31
33 KEF4
35
37
39 KEF5
41
nd: | Trip Poles A 20 A 3 1896 VA 78 1612 VA 16 1612 VA 16 1896 VA 16 718 VA 16 20 A 2 16 16 718 VA 16 16 20 A 3 16 16 780 VA 16 16 20 A 3 16 16 1020 VA 16 16 20 A 2 16 16 5400 VA 16 16 20 A 2 <t< td=""><td>Phases: 3
Wires: 4
Wires: 4
Wires: 4
1896 VA 780 V
12 VA
1612 VA 1612 V
1896 VA 1612 V
1896 VA 1612 V
1896 VA 1612 V
1020 VA 1
1020 V</td><td>C /A - 1896 VA 780 V/ VA - 1896 VA - 1896 VA - 718 VA - 718 VA - 718 VA - 718 VA - 1020 VA - 1020 VA - 11020 VA - 1118 A -</td><td>Poles T 3 2 2 2 2 2 2 2 1 2 2 1 2 2 3 1 <tr< td=""><td>A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Contemportant for the second second</td><td>00
A
A
A
A</td><td>NEW PANEL "I2" Location: JAN 8 Supply From: NEW P Mounting: Recess CKT Circuit Description I2-1 HOOD 5 I2-3 HOOD 6 I2-5 HOOD 7 I2-7 HOOD 4 I2-9 HOOD 3 I2-11 HOOD 2 I2-3 HOOD 1 I2-4 HOOD 1 I2-7 HOOD 1 I2-9 HOOD 2 I2-11 HOOD 2 I2-13 HOOD 1 I2-14 HOOD 2 I2-15 COUNTER OUTLETS I2-16 COUNTER OUTLETS I2-17 WALKIN FREEZER DOOR HEATER I2-20 I2-21 WALKIN REF CONDENSOR I2-25 I2-27 WALKIN REF FANS I2-33 WALKIN REF FANS I2-34 WALKIN REF FANS I2-35 Lighting I2-37 Lighting I2-39 I I2-41 I </td></tr<><td>ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 1000 VA
1000 VA
10</td><td>Volts: 120/208 Phases: 3 Wires: 4 Image: State Sta</td><td>S Wye C Pol I I I</td><td>A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A
Ies Trip Circuit Descr
Circuit Descr</td></td></t<> | Phases: 3
Wires: 4
Wires: 4
Wires: 4
1896 VA 780 V
12 VA
1612 VA 1612 V
1896 VA 1612 V
1896 VA 1612 V
1896 VA 1612 V
1020 VA 1
1020 V | C /A - 1896 VA 780 V/ VA - 1896 VA - 1896 VA - 718 VA - 718 VA - 718 VA - 718 VA - 1020 VA - 1020 VA - 11020 VA - 1118 A - | Poles T 3 2 2 2 2 2 2 2 1 2 2 1 2 2 3 1 1 <tr< td=""><td>A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Contemportant for the second second</td><td>00
A
A
A
A</td><td>NEW PANEL "I2" Location: JAN 8 Supply From: NEW P Mounting: Recess CKT Circuit Description I2-1 HOOD 5 I2-3 HOOD 6 I2-5 HOOD 7 I2-7 HOOD 4 I2-9 HOOD 3 I2-11 HOOD 2 I2-3 HOOD 1 I2-4 HOOD 1 I2-7 HOOD 1 I2-9 HOOD 2 I2-11 HOOD 2 I2-13 HOOD 1 I2-14 HOOD 2 I2-15 COUNTER OUTLETS I2-16 COUNTER OUTLETS I2-17 WALKIN FREEZER DOOR HEATER I2-20 I2-21 WALKIN REF CONDENSOR I2-25 I2-27 WALKIN REF FANS I2-33 WALKIN REF FANS I2-34 WALKIN REF FANS I2-35 Lighting I2-37 Lighting I2-39 I I2-41 I </td></tr<> <td>ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 1000 VA
1000 VA
10</td> <td>Volts: 120/208 Phases: 3 Wires: 4 Image: State Sta</td> <td>S Wye C Pol I I I</td> <td>A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A
Ies Trip Circuit Descr
Circuit Descr</td> | A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Contemportant for the second | 00
A
A
A
A | NEW PANEL "I2" Location: JAN 8 Supply From: NEW P Mounting: Recess CKT Circuit Description I2-1 HOOD 5 I2-3 HOOD 6 I2-5 HOOD 7 I2-7 HOOD 4 I2-9 HOOD 3 I2-11 HOOD 2 I2-3 HOOD 1 I2-4 HOOD 1 I2-7 HOOD 1 I2-9 HOOD 2 I2-11 HOOD 2 I2-13 HOOD 1 I2-14 HOOD 2 I2-15 COUNTER OUTLETS I2-16 COUNTER OUTLETS I2-17 WALKIN FREEZER DOOR HEATER I2-20 I2-21 WALKIN REF CONDENSOR I2-25 I2-27 WALKIN REF FANS I2-33 WALKIN REF FANS I2-34 WALKIN REF FANS I2-35 Lighting I2-37 Lighting I2-39 I I2-41 I | ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 1000 VA
1000 VA
10 | Volts: 120/208 Phases: 3 Wires: 4 Image: State Sta | S Wye C Pol I I I | A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A
Ies Trip Circuit Descr
Circuit Descr | |
| Enclosure: NEMA 3R
tes:
KT Circuit Description
A-1 MAU2
A-3
A-5
A-7 MAU1
A-9
I-11 MAU3
I-13
I-11 MAU3
I-13
I-17 KEF1
I-19
I-21 KEF2
I-23
I-27 KEF3
I-29
I-31
I-33 KEF4
I-35
I-1
I-1
I-1
I-1
I-1
I-1
I-1
I | Trip Poles ▲ 20 A 3 1896 VA 78 20 A 2 1612 VA 16 1896 VA 16 16 16 20 A 2 1612 VA 16 16 16 20 A 2 1612 VA 16 16 16 20 A 3 1896 VA 16 1896 VA 16 16 1896 VA 16 16 20 A 3 178 VA 16 20 A 3 16 16 718 VA 16 16 20 A 3 16 16 780 VA 16 16 20 A 3 16 16 1020 VA 16 16 20 A 2 16 16
 | Phases: 3
Wires: 4
30 VA
1896 VA
1896 VA
1612 VA
1612 VA
1612 VA
1896 VA
1896 VA
1612 VA
1020 VA

 | C /A | Poles T 3 2 2 2 2 1 2 2 1 2 2 1 1 1
 | A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Circ
20 A KEF6
 | 00
A
A
A
A | NEW PANEL "I2" Location: JAN 8 Supply From: NEW P Mounting: Recess Enclosure: NEMA Notes: CKT Circuit Description 12-1 HOOD 5 12-3 HOOD 6 12-5 HOOD 7 12-7 HOOD 4 12-9 HOOD 3 12-11 HOOD 1 12-5 COUNTER OUTLETS 12-11 HOOD 2 12-13 HOOD 1 12-14 COUNTER OUTLETS 12-17 COUNTER OUTLETS 12-17
COUNTER OUTLETS 12-17 COUNTER OUTLETS 12-19 WALKIN FREEZER DOOR HEATER 12-20 - 12-21 WALKIN FREEZER CONDENSOR 12-25 - 12-31 WALKIN REF FANS 12-33 WALKIN FREEZER FANS 12-34 Lighting 12-37 Lighting 12-38 Lighting 12-39 - 12-31 WALKIN FREEZER FANS 12-33 Lighting | ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 1000 VA
20 A 1 1000 VA
20 A 1 4
20 A 1 5
20 A 1 4
20 A 1 5
20 A 1 4
20 A 1 4
20 A 1 5
20 A 1 4
20 A 1 4
20 A 1 5
20 A 1 5 | Volts: 120/208 Phases: 3 Wires: 4 1000 VA 1000 VA
 | S Wye C Po 1000 VA 1000 VA | A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A
MCB Rating: 200 A
les Trip Circuit Desci
Circuit De | |
| Enclosure: NEMA 3R
PS:
TCircuit Description
-1 MAU2
-3
-5
-7 MAU1
-9
-11 MAU3
-13
-15
17 KEF1
19
21 KEF2
23
25
27 KEF3
29
31
33 KEF4
35
37
39 KEF5
41 | Trip Poles A 20 A 3 1896 VA 78 20 A 2 1612 VA 16 1896 VA 16 1896 VA 16 20 A 2 1612 VA 16 1896 VA 16 1896 VA 16 1896 VA 16 1896 VA 16 20 A 2 17 16 20 A 3 16 16 718 VA 16 16 20 A 3 16 16 1020 VA 16 16 20 A 3 16 16 5400 VA 16 16 20 A 2 16 15714 V Total Load: 15714 V <td>Phases: 3
Wires: 4
30 VA
1896 VA
1896 VA
12 VA
1612 VA
1612 VA
1896 VA
1896 VA
1896 VA
1896 VA
1896 VA
1612 VA
1020 VA</td> <td>C /A 3 1896 VA 780 V/ VA 3 1896 VA 3 1896 VA 3 718 VA 3 7718 VA 3 7718 VA 3 7718 VA 3 7718 VA 3 780 VA 3 1020 VA 3 1020 VA 3 11020 VA 3 11612 VA 3 1181 A 3</td> <td>Poles T 3 2 2 2 2 1 2 2 1 2 2 1 2 1 2 1 3 1 3 1 4 1 5 1 6 1 7 1 7 1 1 1</td> <td>A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Circ
20 A KEF6

20 A KEF7

</td> <td>00
A
A
A
A
Suit Description CKT
KM-2
KM-4
KM-6
KM-8
KM-10
KM-10
KM-12
KM-14
KM-16
KM-18
KM-16
KM-18
KM-20
KM-22
KM-24
KM-24
KM-24
KM-28
KM-30
KM-32
KM-32
KM-32
KM-34
KM-36
KM-38
KM-38
KM-40
KM-42</td> <td>NEW PANEL "I2" Location: JAN 8 Supply From: NEW P Mounting: Recess Enclosure: NEMA Notes: Iz-1 HOOD 5 I2-3 HOOD 6 I2-3 I2-3 HOOD 7 I2-7 HOOD 4 I2-9 HOOD 2 I2-11 HOOD 2 I2-13 HOOD 1 I2-15 COUNTER OUTLETS I2-17 COUNTER OUTLETS I2-17 COUNTER OUTLETS I2-19 WALKIN FREEZER DOOR HEATER I2-20 I2-21 WALKIN FREEZER CONDENSOR I2-25 I2-27 WALKIN REF FANS I2-33 WALKIN REF FANS I2-34 WALKIN REF FANS I2-35 Lighting I2-37 Lighting I2-39 I2-41 Legend:</td> <td>ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 1000 VA
1000 VA</td> <td>Volts: 120/208 Phases: 3 Wires: 4 Image: Strategy of the str</td> <td>C Po 1000 VA - 1000 VA</td> <td>A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A
MCB Rating: 200 A</td>
 | Phases: 3
Wires: 4
30 VA
1896 VA
1896 VA
12 VA
1612 VA
1612 VA
1896 VA
1896 VA
1896 VA
1896 VA
1896 VA
1612 VA
1020 VA
 | C /A 3 1896 VA 780 V/ VA 3 1896 VA 3 1896 VA 3 718 VA 3 7718 VA 3 7718 VA 3 7718 VA 3 7718 VA 3 780 VA 3 1020 VA 3 1020 VA 3 11020 VA 3 11612 VA 3 1181 A 3 | Poles T 3 2 2 2 2 1 2 2 1 2 2 1 2 1 2 1 3 1 3 1 4 1 5 1 6 1 7 1 7 1 1 1

 | A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Circ
20 A KEF6

20 A KEF7

 | 00
A
A
A
A
Suit Description CKT
KM-2
KM-4
KM-6
KM-8
KM-10
KM-10
KM-12
KM-14
KM-16
KM-18
KM-16
KM-18
KM-20
KM-22
KM-24
KM-24
KM-24
KM-28
KM-30
KM-32
KM-32
KM-32
KM-34
KM-36
KM-38
KM-38
KM-40
KM-42 | NEW PANEL "I2" Location: JAN 8 Supply From: NEW P Mounting: Recess Enclosure: NEMA Notes: Iz-1 HOOD 5 I2-3 HOOD 6 I2-3 I2-3 HOOD 7 I2-7 HOOD 4 I2-9 HOOD 2 I2-11 HOOD 2 I2-13 HOOD 1 I2-15 COUNTER OUTLETS I2-17 COUNTER OUTLETS I2-17 COUNTER OUTLETS I2-19 WALKIN FREEZER DOOR HEATER I2-20 I2-21 WALKIN FREEZER CONDENSOR I2-25 I2-27 WALKIN REF FANS I2-33 WALKIN REF FANS I2-34 WALKIN REF FANS I2-35 Lighting I2-37 Lighting I2-39 I2-41 Legend:
 | ANEL DP6
ed
1
Trip Poles A
20 A 1 1000 VA
20 A 1 1000 VA
1000 VA | Volts: 120/208 Phases: 3 Wires: 4 Image: Strategy of the str | C Po 1000 VA - 1000 VA | A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A
MCB Rating: 200 A
 | |
| Enclosure: NEMA 3R tes: KT Circuit Description M-1 MAU2 M-3 M-5 M-7 MAU1 M-9 M-11 MAU3 A-13 M-7 KEF1 M-19 A-11 KEF2 A-21 KEF2 A-23 A-24 KEF2 A-27 KEF3 A-29 A-31 A-33 KEF4 A-35 A-37 A-38 KEF5 A-41 | Trip Poles A 20 A 3 1896 VA 78 20 A 2 1612 VA 16 1896 VA 16 1896 VA 16 20 A 2 1612 VA 16 1896 VA 16 1896 VA 16 1896 VA 16 1896 VA 16 20 A 2 18 20 A 3 16 718 VA 16 20 A 3 16 1020 VA 16 20 A 3 16 1020 VA 16 20 A 2 16 5400 VA 16 20 A 2 17
 | Phases: 3
Wires: 4
30 VA
1896 VA
1896 VA
1612 VA
1612 VA
1612 VA
1896 VA
1612 VA
1612 VA
1020 VA

 | C /A - 1896 VA 780 V/ VA - 1896 VA - 718 VA - 718 VA - 7718 VA - 7718 VA - 1020 VA - 1020 VA - 11020 VA - 11020 VA - 11020 VA - 11612 VA - 14102 VA - 1118 A - | Poles T 3 2 2 2 2 1 2 2 1 2 2 1 2 1 2 1 3 1 4 1
 | A.I.C. Rating: 22.00
Mains Type: MLO
Mains Rating: 200 /
MCB Rating: 200 /
MCB Rating: 200 /
Circ
20 A KEF6

20 A KEF7

20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20
20 | 00
A
A
A
A
Suit Description CKT
KM-2
KM-2
KM-4
KM-6
KM-6
KM-8
KM-10
KM-10
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-12
KM-20
KM-22
KM-22
KM-22
KM-22
KM-22
KM-22
KM-24
KM-30
KM-30
KM-32
KM-34
KM-38
KM-40
KM-42 | NEW PANEL "I2" Location: JAN 8 Supply From: NEW P Mounting: Recess Enclosure: NEMA Notes: CKT Circuit Description I2-1 I2-3 Notes: Circuit Description I2-1 I2-3 Notes: Circuit Description I2-1 I2-3 NOD 5 I2-3 NOD 5 I2-3 I2-1 NOD 2 I2-11 IOD 1 I2-11 IOD 1 I2-11 IQUNTER OUTLETS
 I2-11 IQUNTER OUTLETS I2-21 IQUNTER CONDENSOR I2-23 IQUNTER CONDENSOR I2-31 <td colspa<="" td=""><td>ANEL DP6
ed
1 Trip Poles A 20 A 1 1000 VA 20 A 1 1</td><td>Volts: 120/208 Phases: 3 Wires: 4 1000 VA 1000 VA 1000 VA 1000 VA</td><td>B Wye C Pol I I <</td><td>A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200</td></td> | <td>ANEL DP6
ed
1 Trip Poles A 20 A 1 1000 VA 20 A 1 1</td> <td>Volts: 120/208 Phases: 3 Wires: 4 1000 VA 1000 VA 1000 VA 1000 VA</td> <td>B Wye C Pol I I <</td> <td>A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200</td> | ANEL DP6
ed
1 Trip Poles A 20 A 1 1000 VA 20 A 1 1 | Volts: 120/208 Phases: 3 Wires: 4 1000 VA 1000 VA | B Wye C Pol I I < | A.I.C. Rating:
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 |







path://john/17/4 15

10	g)	8	7		6		5	4		3		2		1	
				FIRE ALARM RELATE	NOTES:											
				1) APPLICABLE STAN	DARD NFPA 72,	AS ADOPTED AND A	AMENDED IN CBC	;		F	FIRE ALA	RM SYSTEM	COMPONENTS			
				CHAPTER 35 2) UPON COMPLETION	I OF SYSTEM II	NSTALLATION, A SA	TISFACTORY TES	ST.	DEVICE Exist	DESCRIPTION FIRE ALARM CONTROL	PANEL		MANUFACTURER GAMEWELL	MODEL # E3	CSFM # 7165-1703:1	.125
				OF THE ENTIRE SYSTI PROJECT INSPECTOR	EM SHALL BE N 	ADE IN THE PRESE	NCE OF A DSA			ILI-MB-E3 CPU CARD DACT-E3 DIGITIAL CO E3 ENCLOSURE CABIN	MMUNICA	TION RS. PLATES.				
				3) A STAMPED SET OF BE ON THE JOB SITE ,	APPROVED FI	RE ALARM DESIGN	DOCUMENTS SHA	ALL	Add	PM9 POWER SUPPLY INI-VGX VOICE GATEV	VAY (EVAC)) ()				
				4) ANY DISCREPANCIE RECOGNIZED STAND	ES BETWEEN T ARDS SHALL BE	HE DRAWINGS AND	THE CODE OR	OSA	Add Add	LCD-SLP LCD TOUCH 1100-0456 AMPLIFIER	SCREEN					
				AND THE ARCHITECT/	ENGINEER OF					3-12/SIGY 12 SWITCH,	24 LED DI	SPLAY MOD				
/BED)				5) DSA, ARCHITECT/ER OF 48 HOURS PRIOR	IO THE FINAL I	OWNER SHALL BE N NSPECTION AND /O	R TESTING.	UM	 	NAC PANEL			GAMEWELL GAMEWELI	ATD-L3H	7315-1637:1	102 :502
				6) ALL PENETRATIONS PROTECTION SHALL F	S THROUGH RA BE PROVIDED V	TED ASSEMBLIES F	REQUIRING OPEN N FIRE STOP	IING		BASE				B300-6	7300-1653:1	109
				TESTING CRITERIA. AI WITHIN THE PROJECT	PPROVED TYPI	ES OF MATERIALS S	HALL BE IDENTIF	FIED N.	C	CO DETECTOR SOUNDER BASE			GAMEWELL GAMEWELL	MSC-COF B200S-LF	7275-1703:1 7300-1653:2	<u>175</u> 238
ICATION				7) THE ENTIRE LENS (SHALL OCCUR BETWI	OF WALL MOUN EEN +80" MINIM	ITED VISIBLE NOTIF UM AND +96 " MAXIN	ICATION DEVICES	S HED	d	DUCT SMOKE DETECTO REMOTE TEST SWITCH	DR		GAMEWELL	DNR RTS151	3240-1653:2 7300-1653:2	209 :212
INET E3BB-BD									e	MODULES INPUT MODULE			GAMEWELL	AMM-2F	7300-1703:	:102
				TOPS MOUNTED AC FLOOR AND NO CLOS	O" MINIMUM AN ER THEN 6" TC	D 100" MAXIMUM FF A HORIZONTAL STI	ROM FINISHED RUCTURE.		f	SIGNALLING DEVICES						
				9) AUDIBLE DEVICES (DECIBELS (DBA) ABO)	SHALL PROVID	E A SOUND PRESSU	JRE LEVEL OF 15			STROBE SPEAKER STROBE			SYSTEM SENSOR SYSTEM SENSOR	SRL SPSRL	7125-1653:5	504 505
				DBA ABOVE THE MAX LEAST 60 SECONDS, 1	IMUM SOUND L	EVEL HAVING A DU GREATER, IN EVER	RATION OF AT Y OCCUPIABLE		FACP-	J BATTERY CALC	CULATI	ONS				
				10) AUDIBLE FIRE ALA	JILDING. .RM NOTIFICAT	ION APPLIANCES SI	HALL BE		Description		Otv	Standby Current (mA)	Total Standby (mA)	Alarm Current (mA)	Total Alarm (m/	1A)
WATER FLOW SWITCH	PIV	DUCT SMOKE DETECTOR		SÝNCHRONIZED TEMF DETECTION / ALARM \$	PORAL CODE 3 SHALL BE TEMP	PATTERN. CARBON PORAL CODE 4 PAT	N MONOXIDE TERN.		MAIN BOA	RD NER SUPPLY	1 1	81 50	81 50	150 50	150 50	<u></u>
YES	NO	YES	-	11) THE CONTRACTOR PERFORMANCE AND	R SHALL ADJUS TO MINIMIZE FA	ST/INSTALL ALL DEV ALSE ALARMS.	ICES TO MAXIMIZ	Έ		_AY REPEATER	1	24 16	24 0	28 17	28 0	
VES	NO	VES	-	12) VISIBLE DEVICES #	SHOULD NOT E	XCEED TWO FLASH	IES PER SECOND)	DIGITAL C		1 0	18	18 0	18	18 0	
123	NO		-	DEVICE SHALL HAVE / CANDELLA. VISIBLE D	A PULSING LIGI	HT SOURCE NOT LE	SS THAN 15 THER SHALL BE		VOICE GA	TEWAY	1	150 86	150 172	150 2206	150 4412	
YES	YES	YES	_	SYNCHRONIZED.		CONDUITS TO HAVE	- WATER TIGHT			IODULE AOM-2SF	1 SE) 0	2 150	2	6.5 150	6.5 0	
YES	YES	YES		FITTINGS AND WIRE T			IONS.		ADDRESS SLC (FULL	IBLE SWITH MODULE AS Y LOADED)	SM- 1 3	11 51	11 153	11 136	11 408	
YES	NO	YES		OR FIRE POWER LIMIT WIRING IN CONDUIT A	FED PLENUM) A BOVE GROUNI	SE FPLOR FPLP (FIR S REQUIRED FOR A MAY BE TYPE THI	APPLICATION.	U	FNA SPARE NA SPARE NA		1 1 1	0 	0 0 	1223 0 0	1223 899 275	
NO	YES	NO		15) PER CEC STANDA					TOTALS		 		662	 draaaabla.day	7632	
YES	YES	YES		SPLICE THE WIRE. ALL	L BOXES TO BE	SIZED PER CEC.			NOTE.							
NO	NO	NO	-	16) SMOKE DETECTOR SPRINKLERS OR 3' FF CONSTRUCTION OR F	RS SHALL NOT COM ANY SUPP POSSIBLE DAM	BE ANY CLOSER TH LY DIFFUSER. IN AR AGE / CONTAMINATI	IAN 1' FROM FIRE EA OF ON ON NEWLY	Ξ	Battery Red	quirement Calculation for 2 Ampere Hours Ampere Hours	24 Hours Si s = [(Stanc s = [(0 662	andby and 15 N lby Current x Tir A x 24 hrs)+(7 6	linutes Alarm: ne)+(Alarm Current > 3315A x 0 25 hrs)] x 1	x Time)] x 1.2 1 25	5	
NO	NO	VES	-	INSTALLED FIRE ALAF READY TO BE TURNE	RM, DEVICES SI	HALL BE COVERED E OWNER.	UNTIL THAT AREA	AIS	D V.		s =	22.2	re Hours (24 Volte	18 Amporo L	ours)	
NO	NO	TLS		17) ALL FIRE ALARM C IN WALLS IN A NEAT A	IRCUITS SHAL	L BE IN CONDUIT, U	NDER FLOORS AN ATED ON DESIGN	ND I					ie nouis (24 voits,	40 Ampere r	oursj	
				DOCUMENTS. EXPOSE EXPOSED ON DESIGN	ED CIRCUITS A DOCUMENTS.	RE ONLY PERMITTE	D WHEN NOTED	AS	<u>NAC</u>	I DATTERT GAL		Standby	Total	Alarm	To	otal
				18) A DEDICATED BRA EQUIPMENT. THIS CIF	NCH CIRCUIT S	SHALL BE PROVIDEI E ENERGIZED FROM	D FOR FIRE ALAR I THE COMMON U	M ISE	Descrip Control	tion Board	Qty. 1	Current (mA) 70	Standby (mA) 70	Current (m 270	A) Alarm 27	<u>1 (mA)</u> 70
				AREA PANEL AND SHA HAVE A RED LOCKING POSITION THE CIRCI	ALL HAVE NO C DEVICE TO BL	THER OUTLETS. TH OCK THE HANDLE I. HALL BE LABELED "	IE BREAKER SHAI N THE "ON" FIRE ALARM CIRC	LL	NAC NS SPARE	91	1 1			514 0	51 C	14 0
				CONTROL." CIRCUIT II	D TO BE LABEL	ED AT FIRE PANEL/I	EXTENDERS.		SPARE SOUNE	DER	1 1			0 40	C 41	0 40
				19) THE INSTALLING C RECORD OF COMPLE	CONTRACTOR S	SHALL PROVIDE A C A 72, FIGURE 7.8.2.	OMPLETED "SYS"	TEM	TOTAL	S	1		70	0	0 82	0 24
				20) FIRE ALARM CONT INSTALLED WITH THE FLOOR.	ROL PANELS A	ND REMOTE ANNU OUNTED AT 48" AB	NCIATORS SHALL OVE THE FINISHE	_ BE ED	Battery	Requirement Calculation Ampere Hour Ampere Hour	for 24 Hours = [(Stan rs = [(0.07	urs Standby and dby Current x 1 A x 24 hrs)+(0.8	d 15 Minutes Alarm: ſime)+(Alarm Curre 824A x 0.25 hrs)] x	: nt x Time)] x 1.25	Derating Fact	tor:
				21) MICROPHONES AS COMMUNICATION SYS INSTALLED IN COMPL	SOCIATED WIT STEMS (EVAC) S IANCE WITH CE	TH EMERGENCY VO SHALL BE ACCESSIB C SECTIONS 11B-30	ICE ALARM BLE FOR USE, 05 AND 11B-308.			Ampere Hour BATTERIES SUPPLIED:	rs = 2.4 (2) 12	Volts, 7 Ampe	ere Hours (24 Volts	s, 7 Ampere∣	lours)	
				22) THE INSTALLING C PROGRAMMING FOR 5	CONTRACTOR S SUPERVISORY	SHALL PROVIDE SYS MONITORING PER (STEM CBC SECTION		NAC	VOLTAGE DROP	CALC	ULATION	<u>S</u>			
				23) SUPERVISORY MC	NITORING SHA	LL BE TESTED AND	VERIFIED AS			CALCULATION: dV = V - Where: dV = device V	- (2L x K x) /oltage	dl) Itage (Source) (oltage - 20.4 VDC			
1:20 I/E1:19 I/E	E1:18 I/E1:17 I	/E1:16 I/E1:15		SENDING CORRECT S TEST.	IGNALS IN CON	JUNCTION WITH FI	NAL ACCEPTANC	E		K = wire AW L = wire leng	G constan gth	t (Ω/k') at 167°F	: #8 = 0.81, #10 = 1.	29, #12 = 2.0	5, #14 = 3.26 ((stranded)
OD HOOD	HOOD F	HOOD							D	dl = current EVICE LEGEND: S(x) = S	Strobe (whe	re 'x' is candela)			
M(MM(↓									SS(x) = H = Hor	SPEAKER	/Strobe (where	'x' is candela)			
1:9 I/E1:10 I/E	E1:11 I/E1:12 I	/E1:13 I/E1:14							CIRC	CEIL = (Ceiling Mo	unted				
										CE DEVICE DE D. TYPE CURRI	EVICE ENT (mA)	SECTION CURRENT (m	WIRE LE	NGTH DE		(CENT ROP
									N1/0 N1/0	1 S15 2 S15	43 43	514 471	12 12 12	33 2 22 2	0.33 0. 0.29 0.).34).55
									N1/0 N1/0	3 ss75 - 4 ss75 -	107 107	428 321	12 12	33 2 67 2	0.23 0. 0.14 1.	.83 .27
									N1/0 N1/0	5 ss75 7 6 ss75 7	107 107	214 107	12 12	56 2 53 2	0.09 1. 0.07 1.	.51 .62
									SPEAK	ER NAC VOLTAG	E DRO	P CALCUL : VD = (2L x K x	ATIONS (FAC	<u>CP J)</u>		
									N	Where: VD = voltage drop L = wire length			-1			
										K = wire AWG cor I = total current (N	nstant (Ω/k' Note: Total) at 167°F: #16 = current is derived	: 4.73, #18 = 7.51, #2 d by Ohm's Law, tage: L = P/E)	0 = 11.90, #22	: = 19.00 (strar	nded)
									AL	JDIO LOSS: dB = 20 x log (vai power t (Vc/Vs)	y נוופ SOUICE VOI	laye. i = ₽/E)			
										vvhere: dB = audio loss Vc = calculated volt Vs = source voltage	tage (sourc e	e voltage minus	voltage drop)			
										TOTAL SOURCE		WIRE LI	ENGTH VOLTAGE		AUDIO	
									N1	4 70	0.06	16	360 0.10	0.14	-0.01	-

FIRE ALARM CALCULATIONS
















AN

Ц Б

NAL

SIGI

ELECTRIC

DING

BUILI

2321 7/5/24

Author Checker







15	14 13	12	11 10	9	8 7	6	5 4 3 1				
	STATE OF CALIFORNIA Indoor Lighting		CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA Indoor Lighting			STATE OF CALIFORNIA Indoor Lighting CALIFORNIA ENERGY COM	MISSION			
A	CERTIFICATE OF COMPLIANCE Project Name: EHS FOOD SCIENCE	Report Page: Date Prepared:	NRCC-LTI-E (Page 3 of 7) 12/18/2024	Project Name: EHS FOOD SCIENCE	Report Page: Date Prepared:	NRCC-LTI-E (Page 2 of 7) 12/18/2024	CERTIFICATE OF COMPLIANCE This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path	RCC-LTI-E for A			
							path for multifamily occupancies. Multifamily includes dormitory and senior living facilities. Project Name: EHS FOOD SCIENCE Report Page: (Pa	ge 1 of 7)			
_	This table includes all planned permanent and portable lighting other tha documented in Table T. If using Table T to document lighting in multifamil	an dwelling unit/ hotel/ motel room lighting. Multifamily dwelling u ly common use areas providing shared provisions for living, eating,	nit and hotel/motel room lighting is cooking or sanitation, those luminaires are	C. COMPLIANCE RESULTS If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exce	eptional Conditions" refer to Table D. for guidance.		Project Address: 1528 YOSEMITE AVE Date Prepared: 12	/18/2024			
	not included here. Designed Wattage: Conditioned Spaces 01 02 03 04	05 06 07 08	09 10	Allowed Lighting Power per 140.6(b) / 17 Lighting in 01 02 03 04	70.2(e) (Watts) Adjusted Lighting Power (With the second sec	r per 140.6(a) / 170.2(e) atts) 08 09	A. GENERAL INFORMATION 01 Project Location (city) ESCALON 04 Total Conditioned Floor Area (ft ²) 2,750 03 Climate Zono 12 05 Tatel Unconditioned Floor Area (ft ²) 0				
	Name or Item Complete Luminaire Modular Small Tag Description (Track) Fixture Classification	Watts per L How is Wattage determined Total Number of Luminaires Excluded per 140.6(a)3 / 170.2(c)2C	Design Watts Pass Fail	conditioned and unconditioned spaces must not be Complete Category Additional 140.6//	red c)3 / Total ≥ Total PAF Ligh Control Construct Cons	ents ting Total Adjusted	03 Occupancy Types Within Project (select all that apply): 06 # of Stories (Habitable Above Grade) 1		ļ		
В	K 6000 LED TROFFER No NA L 4000L LED TROFFER No NA	ge* 170.2(e)2C 46 Mfr. Spec 30 No 35 Mfr. Spec 3 No	1,380	combined for compliance per 140.6(b)1 / 170.2(e) Building 140.6(c)1 Category 140.6(c)2 / 140.6(c)2 / 140.6(c)2 / 170.2(e)4 Additional 140.6(c)2 (c) 170.2(e)4 140.6(c) 170.2(e)	e)4B (Watts) = 107a1 Allowed (Watts) = 00000000000000000000000000000000000	realts = (Watts) 05 must be >= 08 12 / 18 *Includes 140.6 / 170.2(e) 1B Adjustments 140.6 / 170.2(e)	• Once	B			
	¹ FOOTNOTE: Design Watts for small aperture and color changing luminair	Total Designed Watts: CONDITIONED SPAC	/80% of their rated wattage. Table F	(+) (See Table I) (See Table I) (See Table J) (See Table J	ble K) = 1.650 ≥ 1.485 0	= 1485 COMPLIES	B. PROJECT SCOPE This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170 141 0(b)2 / 180 2(b)4 for alterations	2(e) or			
-	automatically makes this adjustment, the permit applicant should enter fu ² Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm luminaire, not the lamp.	full rated wattage in column 05. m wattage used for compliance per 130.0(c) / 160.5(b). Wattage us	d must be the maximum rated for the	Unconditioned	= ≥ Controls Complia	= complete and com	Scope of Work Conditioned Spaces Unconditioned Spaces 01 02 03 04	 05			
	G. MODULAR LIGHTING SYSTEMS				Rated Power Reduction Complia	nce (See Table Q for Details)	My Project Consists of (check all that apply): Calculation Method Area (ft ²) Calculation Method Area New Lighting System Complete Building Method 2750 Complete Building Method 2750 Complete Building Method Complete Building Metho	a (ft ²) 0	a	archite	cts
с	This section does not apply to this project.			D. EXCEPTIONAL CONDITIONS This table is auto-filled with uneditable comments because of selections m	nade or data entered in tables throughout the form.		Image: New Lighting System - Parking Garage Image: Comparison of Work (ft ²) Total Area of Work (ft ²) 2750	с	7	ГІМОТНУ Р. НІ	J FF &
	H. INDOOR LIGHTING CONTROLS (Not including PAFs) This table includes lighting controls for conditioned and unconditioned spe	paces.		E. ADDITIONAL REMARKS						ASSOCIATES, I Timothy P. Huff, AIA A	INC.
_	Building Level Controls 01	02	03	This table includes remarks made by the permit applicant to the Authority	y Having Jurisdiction.				519 M Ph: (2	McHenry Ave., Modesto 09) 571-2232 Fax: (20	, CA 95354)9) 571-1936
	Mandatory Demand Response 110.12(c) NA < 4.000W subject to multilevel	Shut-off controls 130.1(c) / 160.5(b)4C	Field Inspector Pass Fail Image: Descent control Image: Descent control							SUSED ARCH	
5										T T T T T T T T T T T T T T T T T T T	Ť.
		Generated Date/Time:	Documentation Software: EnergyPro		Generated Date/Time:	Documentation Software: EnergyPro	Generated Date/Time: Documentation Software: Er	D		の REN. 5125 ア	ANT A
	CA Dumuing Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2022.0.000 Schema Version: rev 20220101	Report Generated: 2024-12-18 13:30:29	CA building Energy Enciency Standards - 2022 Nonresidential Compliance	Schema Version: 2022.0.000 Schema Version: rev 20220101	Compliance ID: EnergyPro-8039-1224-3598 Report Generated: 2024-12-18 13:30:29	CA Building Energy Efficiency Standards - 2022 Nonresidential ComplianceReport Version: 2022.0.000Compliance ID: EnergyPro-8039-12Schema Version: rev 20220101Report Generated: 2024-12-18	24-3598 3:30:29		OF CALIF	
 CTAT	ATE OF CALIFORNIA						STATE OF CALIFORNIA		Copyrigh	nt 2022 - Timothy P. Hu	ff & Associates
	RTIFICATE OF COMPLIANCE		CALIFORNIA ENERGY COMMISSION NRCC-LTI-E	state of california Indoor Lighting		CALIFORNIA ENERGY COMMISSION	Indoor Lighting CALIFORNIA ENERGY CON CERTIFICATE OF COMPLIANCE	1MISSION NRCC-LTI-E		-	
E	oject Name: EHS FOOD SCIENCE	Report Page: Date Prepared:	(Page 6 of 7) 12/18/2024	CERTIFICATE OF COMPLIANCE Project Name: EHS FOOD SCIENCE	Report Page: Date Prepared:	NRCC-LTI-E (Page 5 of 7) 12/18/2024	Project Name: EHS FOOD SCIENCE Report Page: (P Date Prepared: 1	age 4 of 7) 2/18/2024		RED PROF	ESSIONAL C. SALCEA
_				L		12/10/2024	H. INDOOR LIGHTING CONTROLS (Not including PAFs)			No. 6 Exp. 6	E14303 6-30-25
S. 1 	DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF) his section does not apply to this project.			K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE			Area Level Controls 04 05 06 07 08 09 10 11 12			* STEC	TRICAL
T. (DWELLING UNIT LIGHTING						Area Description Complete Building or Area Controls Manual Area Controls Controls Controls 130 1(c) // Davlighting Systems Field Inspection	ctor		^t OF	CALIFO
E E	is section does not apply to this project.			This section does not apply to this project.			Area Description Category Hindry Function 130.1(a) / 130.1(b) / 130.1(c) / 130.1(d) / 130.1(d) / 130.1(d) / 130.1(d) / 130.1(d) / 160.5(b)4D 160.5(b)4D 170.2(e)2A Pass	Fail		ЦСС	
Seli Ada	. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION elections have been made based on information provided in this document. If a diditional Remarks. These documents must be provided to the building inspect	any selections have been changed by permit applicant, an explana tor during construction and can be found online	ion should be included in Table E.	M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TAS	SK LIGHTING		SCHOOL School or Classroom Readily Accessible Dimmer Occupancy Sensor Included NA: General Ltg < 120W No Image: Classroom		Fr	. NUJ. Indoni	na inc
NP	PCLITE - Must be submitted for all buildings	Form/Title		N ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SE			Plan Sheet Showing Daylit Zones: E100			IYII ICCI I	I IY III.
				This section does not apply to this project.			I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS		4512 Fe 209-47	ather River Dr #F, Stockton, C 8-8270 www.hcs-ena.com	CA 95219
Selo Add	elections have been made based on information provided in this document. If a dditional Remarks. These documents must be provided to the building inspector	any selections have been changed by the permit applicant, an expl tor during construction and any with "-A" in the form name must be	nation should be included in Table E. completed through an Acceptance	O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE This section does not apply to this project.	MERCHANDISE		Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances 140.6(c) or adjustments per 140.6(a) are being used .	per			
G	st Technician Certification Provider (ATTCP). For more information visit: http:/ Form/T	//www.energy.ca.gov/title24/attcp/providers.html Title	Systems/Spaces To Be Field Verified	P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJ	USTMENT FACTOR (PAF))		O1 O2 O3 O4 O5 O6 Log	G			
	RCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time RCA-LTI-03-A - Must be submitted for automatic daylight controls.	e switch controls.	SCHOOL; SCHOOL;	This section does not apply to this project.			Area Description Function Area (W/ft ²) Area (ft ²) (Watts) Area Category P Whole Building School or Classroom 0.6 2,750 1,650 No P	AF lo		Consultants	
-				Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE AL <i>This section does not apply to this project.</i>	TERATIONS						
				R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEI	PTIONS		J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM This section does not apply to this project.				
н				This section does not apply to this project.				н			
CA	A Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Generated Date/Time: Report Version: 2022.0.000 C	Documentation Software: EnergyPro		Generated Date/Time:	Documentation Software: EnergyPro	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-8039-1	nergyPro 224-3598	U		
		Schema Version: rev 20220101	керогт Generated: 2024-12-18 13:30:29	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2022.0.000 Schema Version: rev 20220101	Compliance ID: EnergyPro-8039-1224-3598 Report Generated: 2024-12-18 13:30:29	Schema Version: rev 20220101 Report Generated: 2024-12-18	13:30:29			
				state of california Indoor Lighting		CALIFORNIA ENERGY COMMISSION	N		sc		
				CERTIFICATE OF COMPLIANCE Project Name: EHS FOOD SCIENCE Project Address:	Report Page:	NRCC-LTI-E (Page 7 of 7)			Ď		
						12/10/2024			lö		
				DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that this Certificate of Compliance documentation is a	ccurate and complete.				│ <u>↓</u>		
				Documentation Author Name: Richard Smith Company:	Signature Date: 2024-12-18	1				F	
				Address: 4512 Feather River Drive #F	CEA/ HERS Certification Identification (PE 14303	if applicable):			CH	TRIC	
J				City/State/Zip: Stockton CA 95219 RESPONSIBLE PERSON'S DECLARATION STATEMENT	Phone: 209-478-8270			J	Ň	L DIS	
				 I certify the following under penalty of perjury, under the laws of the State of California 1. The information provided on this Certificate of Compliance is true and corre 2. I am eligible under Division 3 of the Business and Professions Code to acception 	: ect. ot responsibility for the building design or system design identified o	on this Certificate of Compliance (responsible designer)			<u></u>		
				 The energy features and performance specifications, materials, component of Title 24, Part 1 and Part 6 of the California Code of Regulations. The building design features or system design features identified on this Cer plans and specifications submitted to the enforcement agency for approval 	s, and manufactured devices for the building design or system design rtificate of Compliance are consistent with the information provided with this building permit application.	n identified on this Certificate of Compliance conform to the requirements			ן <u>ד</u>	AVE. 320 ED SC	
				 I will ensure that a completed signed copy of this Certificate of Compliance inspections. I understand that a completed signed copy of this Certificate of Responsible Designer Name: 	shall be made available with the building permit(s) issued for the b f Compliance is required to be included with the percumentation the Responsible Designer Signature:	uilding, and made available to the enforcement agency for all applicable builder provides to the building owner at occupancy.				AITE . DA 95 INIFIE	NCE
б К				Richard Smith, PE ^{Company:} HCS Engineering, Inc.	Date Signed: 2024-12-18			к		OSEI ON, (ON U	PLIA
				Address: 4512 Feather River Dr #F City/State/Zip:	License: E14303 Phone:					528 Y SCAL SCAL	WO
				Stockton CA 95219	2094788270					ڭ ù ٽ	
									Project Date	Number	2321
									Drawn b	d by	Author
L					Generated Date/Time:	Documentation Software: EnergyPro		L			
				CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2022.0.000 Schema Version: rev 20220101	Compliance ID: EnergyPro-8039-1224-3598 Report Generated: 2024-12-18 13:30:29					•
	44 42	10			·				Plot Dat	te & Time 12/20/20	24 2:09:22 PM