

- PLUMBING GENERAL NOTES**
- ALL WORK SHALL CONFORM TO LOCAL CODES.
 - SPECIFICATIONS GOVERN WHERE THEY EXCEED CODE REQUIREMENTS.
 - INSTALL BACKFLOW PROTECTION DEVICES AS REQUIRED BY LOCAL CODE.
 - COORDINATE ALL WORK WITH ALL OTHER TRADES AND CONTRACTORS.
 - VERIFY SIZE, LOCATION AND ADEQUACY OF ALL UTILITIES, INCLUDING SEWER INVERTS, BEFORE START OF WORK.
 - ALL LINES TO BE LOCATED AWAY FROM BEARING FOOTINGS, OR AS DIRECTED BY STRUCTURAL ENGINEER.
 - COORDINATE ALL PLUMBING WORK WITH ALL OTHER WORK TO AVOID CONFLICTS. RUN ALL PIPING TO AVOID ARCHITECTURAL OPENINGS, STRUCTURAL MEMBERS, DUCTS, OR OTHER OBSTRUCTIONS. OFFSET PIPING WHERE REQUIRED.
 - PROVIDE AND RENDER ACCESSIBLE TRAP PRIMERS WITH PIPING TO FLOOR DRAIN/SINK TRAPS, PROVIDE SHUTOFF VALVE UP STREAM OF TRAP PRIMER UNIT.
 - ALL VENTS RUNNING HORIZONTAL OFF FLOOR DRAINS OR FLOOR SINKS SHALL SLOPE A MINIMUM OF 1/8" ABOVE HORIZONTAL PLANE OR AS DIRECTED BY BUILDING DEPARTMENT.
 - NO CLEANOUTS SHALL OCCUR UNDER OR BEHIND ANY CASE OR FIXTURE.
 - ALL PIPING IN FINISHED AREAS SHALL BE CONCEALED UNLESS SPECIFICALLY SHOWN OTHERWISE.
 - REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND DIMENSIONED LOCATIONS OF ALL FIXTURES AND FAUCETS. ALL FIXTURES SHALL BE WHITE UNLESS OTHERWISE NOTED.
 - ALL FIXTURE FAUCETS SHALL BE CALIFORNIA TITLE 24 APPROVED.
 - ALL HOT WATER SUPPLY PIPING SHALL BE INSULATED TO MEET CALIFORNIA TITLE 24 STANDARDS AS A MINIMUM. MORE EXTENSIVE INSULATION SHALL BE AS REQUIRED BY PLANS AND/OR SPECIFICATIONS.
 - ALL TRENCHING, BACKFILLING, REPAVING, AND RESTORATION OF EXISTING SURFACES DUE TO THE PLUMBING WORK SPECIFIED ARE BY THIS CONTRACTOR.
 - THE LOCATION OF EXISTING UTILITIES WAS ESTABLISHED FROM BEST AVAILABLE INFORMATION. ASSUME THAT THIS INFORMATION IS APPROXIMATE. CONTRACTOR SHOULD VERIFY EXACT LOCATIONS BEFORE STARTING WORK. SHOULD, DURING THE COURSE OF DEMOLITION, CONDITIONS ARISE THAT INDICATE LOCATIONS ARE OTHER THAN INDICATED, NOTIFY ARCHITECT IMMEDIATELY.
 - ISOLATE EXISTING PIPING SYSTEM FROM NEW FOR TESTING PURPOSES. TEST ONLY THE NEW PIPING ACCORDING TO REQUIREMENTS OF SPECIFICATIONS. AFTER TEST MAKE FINAL CONNECTIONS TO EXISTING PIPING. PROVIDE AS PART OF CONTRACT ANY ISOLATION VALVES OR VALVED BRANCHES REQUIRED FOR TESTING, STERILIZATION OR BLEEDING OF SYSTEMS.

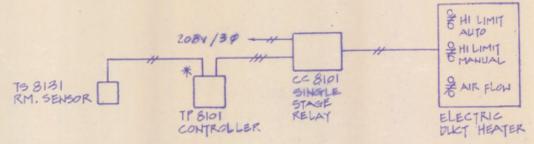
AIR DISTRIBUTION SCHEDULE

MARK	MFR	MODEL	SIZE	MAX.		DUCT TO UNIT	REMARKS
				CFM	N.C.		
(A)	KRUEGER	SERIES "S"	9x9 S-4	250	20		
(B)			6x6 S-2	125			
(C)			9x9 S-3	140			
(D)	KRUEGER	ECC-S	24x48	1750	25		T-BAR LAY-IN
(E)			12x12	280			GYP BD.
(F)			12x24	110			T-BAR LAY-IN
(G)			24x24	450			

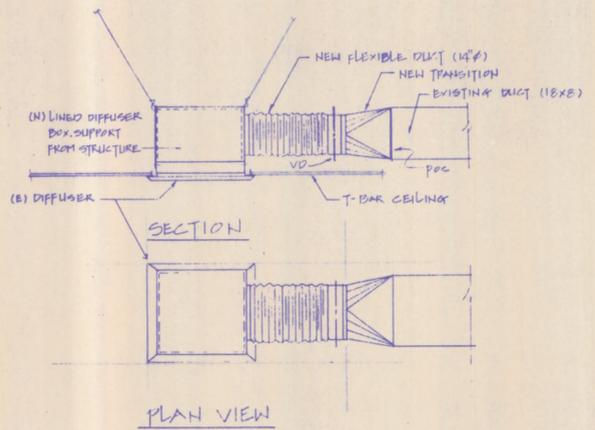
ELECTRIC DUCT HEATER SCHEDULE

MARK	MFR	MODEL	CFM	KW	ELECT. VOLT/PH	SIZE	REMARKS

20' O, STD. 2 1/2" IN. SEE OTHER INFO ON CONTROL DIAGRAM BELOW.



ELECTRIC HEATER CONTROL



CEILING DIFFUSER CONNECTION
NTS

- HVAC GENERAL NOTES**
- WORK BY OTHERS: THIS CONTRACTOR SHALL COORDINATE LAYOUT OF DUCT SIZE AND LOCATION.
 - CUTTING AND FRAMING OF WALL AND CEILING OPENINGS BY G.C.
 - POWER WIRING, ACCESSORIES, AND CONNECTION TO ALL EQUIPMENT BY ELECTRICAL CONTRACTOR.
 - ACCESS PANELS BY G.C.
 - INSTALL FIRE DAMPERS WHERE REQUIRED BY LOCAL CODE AND WHERE SHOWN ON DRAWINGS.
 - ALL DUCTWORK AND EQUIPMENT SHALL BE SECURED TO STRUCTURE.
 - DUCTWORK SHALL BE BRACED PER SMACNA STANDARD.
 - ALL DUCTWORK SHALL BE GALVANIZED SHEET METAL UNLESS OTHERWISE SPECIFIED, MIN. 24 GAUGE. SEAL DUCTWORK AIR TIGHT WITH PRESSURE SENSITIVE DUCT TAPES.
 - TRANSVERSE JOINTS FOR ALL AIR SUPPLY DUCTS SHALL BE SEALED WITH APPROVED MASTIC OR TAPE.
 - ALL ANGLE IRON SHALL BE GALVANIZED OR PAINTED IN GALVANIZED SILVER COLOR PAINT.
 - ALL DUCT WORK SHALL BE CONSTRUCTED, ERECTED AND TESTED IN ACCORDANCE WITH THE STANDARDS ADOPTED BY SMACNA AND SHALL COMPLY WITH THE STATE OF CALIFORNIA ENERGY CONSERVATION STANDARDS.
 - ALL SUPPLY AIR AND RETURN AIR DUCTS SHALL BE INSULATED IN ACCORDANCE WITH THE STATE OF CALIFORNIA ENERGY CONSERVATION STANDARDS AND NOT LESS THAN SPECIFIED.
 - SEE SPECIFICATIONS FOR OTHER INSTRUCTIONS.

PLUMBING LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
---	SOIL OR WASTE UNDER FLOOR	---	EXISTING TO BE REMOVED
---	SOIL OR WASTE UNDERGROUND	---	ROUND SHEET METAL AIR DUCT
---V---	VENT	---	SHEET METAL AIR DUCT, WIDTH" X HEIGHT" (ALL DIMENSIONS I.D., UNLESS OTHERWISE SPECIFIED)
--- CO WC	CLEANOUT, WALL CLEANOUT	---	LINED DUCT, WITH 1" - 1-1/2" ACOUSTICAL DUCT LINING (ALL DIMENSIONS I.D.)
---FCO	FLOOR CLEANOUT	---	FLEXIBLE ROUND DUCT TO AIR DISTRIBUTION (NONMETALLIC)
---CW	COLD WATER	---	MANUAL BALANCING DAMPER WITH LOCKING QUADRANT
---HW	HOT WATER	---	MANUAL BALANCING DAMPER WITH LOCKING QUADRANT
---	UNION	---	RETURN AIR CEILING REGISTER OR GRILLE
---	EXISTING LINE TO BE REMOVED/ABANDONED	---	EXHAUST OR RELIEF AIR CEILING REGISTER OR GRILLE
---	EXISTING LINE TO REMAIN	---	SUPPLY AIR CEILING DIFFUSER
---	EXISTING LINE/NEW LINE	---	WALL MOUNTED ROOM STAT 4'-0" ABOVE FINISHED FLOOR
---	SHUTOFF VALVE (BALL VALVE)	---	FIRE DAMPER (1 HOUR RATING)
---	FLOOR DRAIN	---	CFM, CUBIC FEET OF AIR PER MINUTE
---	VENT RISER	---	DIFFUSER, REGISTER IDENTIFICATION
---	WATER CLOSET	---	HOSE BIBB
---	LAV, SK	---	

GENERAL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
(E), (N)	EXISTING NEW	AD	ACCESS DOOR
GI, SM	GALVANIZED IRON, SHEET METAL	DN, ABC	DOWN, ABOVE CEILING
GC	GENERAL CONTRACTOR	◇, ○	DEMOLITION NOTE, CONSTRUCTION NOTE
POC	POINT OF CONNECTION	U, G	UNDERGROUND
NTS	NOT TO SCALE	○	DETAILS

PLUMBING FIXTURE & PIPING CONNECTION SCHEDULE

SYMBOL	DESCRIPTION	TRIM & ACCESSORIES	O/W	V	CW	HW	REMARKS
WC-1	WATER CLOSET-AMERICAN STANDARD WATER SAVING "APWALL" 2477.016 WALL HUNG SIPHON JET ELONGATED BOWL VITREOUS CHINA WITH 1/2" TOP SPUD.	SILOAN ROYAL NO.110-3 FLUSH VALVE & CHURCH NO.5321-112 SEAT. SMITH D30/540 SERIES FLR. MTD. FIXTURE SUPPORT	4"	2"	1"	-	WC-1 TO BE MOUNTED AT HEIGHT TO SUIT HANDICAP REQUIREMENTS
UR-1	URINAL-AMERICAN STANDARD TRIMBROOK 6560.015 WASHOUT URINAL VITREOUS CHINA WITH 3/8" TOP SPUD.	SILOAN ROYAL 186 FLUSH VALVE, SMITH PLR. 637 FLOOR MOUNTED SUPPORT	2"	2"	3/4"	-	UR-1 TO BE MOUNTED AT HEIGHT TO SUIT HANDICAP REQUIREMENTS
LAV-1	LAVATORY-AMERICAN STANDARD "DUAL HORIZON" 3303.013 COUNTERTOP LAVATORY. ENAMELED CAST IRON W/BALUET HOLES & ON CENTER. SELF RIMING	AMERICAN STANDARD NO. 2385.063 FAUCET LESS POP UP. 241.015 LAVATORY GRID DRAIN.	2"	1 1/2"	3/4"	3/4"	P-TRAP DRAIN & HOT WATER SUPPLY TO BE INSULATED WITH JM AEROTUBE INSULATION
FD-1	FLOOR DRAIN-SEE SPECIFICATIONS.	PROVIDE TRAP PRIMER INLET ON P-TRAP	2"	2"	1/2"	-	PROVIDE TRAP PRIMER W/SHUT OFF LOCATED BEHIND G.O. ACCESS PANEL

- FIRE PROTECTION NOTES:**
- REVISE EXISTING AUTOMATIC FIRE SPRINKLER SYSTEM THROUGHOUT ALL PORTIONS OF THE PROJECT AREA AS REQUIRED BY NEW FLOOR PLAN. UTILIZE EXISTING SYSTEM WHERE POSSIBLE AND PROVIDE NEW AS NECESSARY. SCOPE INCLUDES ALL SPRINKLER HEADS AND PIPING REQUIRED AT ALL CEILINGS, MEZZANINES, CONCEALED SPACES AND CHANGES AS SHOWN ON THE ARCHITECTURAL AND/OR STRUCTURAL DRAWINGS.
 - REMOVE ALL EXISTING PENDANT FIRE SPRINKLER HEADS AND PIPE DROPS LOCATED IN THE PROJECT AREA. 100% CEILING. EXISTING UPRIGHT HEADS ARE TO REMAIN IN SERVICE DURING CONSTRUCTION.
 - PROVIDE NEW PENDANT FIRE SPRINKLER HEADS AND DROPS TO MATCH NEW REFLECTED CEILING AND FLOOR PLAN.
 - DESIGN TO CONFORM NFPA 13 AND TO ALL REQUIREMENTS OF THE CITY OF CAMPBELL FIRE MARSHAL.
 - REFER TO SPECIFICATIONS FOR OTHER REQUIREMENTS.
 - HEADS SHOWN REPRESENT MINIMUM TO BE PROVIDED UNDER THIS CONTRACT. PROVIDE ADDITIONAL HEADS AS REQUIRED BY CODE.
 - PROVIDE SPRINKLERS AS REQUIRED TO COORDINATE WITH DUCT LAYOUT.

STATEMENT OF COMPLIANCE - TITLE 24 ENERGY DESIGN
THESE DRAWINGS AND CALCULATIONS HAVE BEEN REVIEWED - THE DESIGN CONFORMS SUBSTANTIALLY WITH TITLE 24 ENERGY REGULATIONS DIVISIONS

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NO.	REVISION	BY	APPR'D	DATE

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CHECKED	T.B.



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LEGENDS SCHEDULES, NOTES & DETAILS

SHEET NO
MP-1
OF SHEETS
DATE

FILE NO.