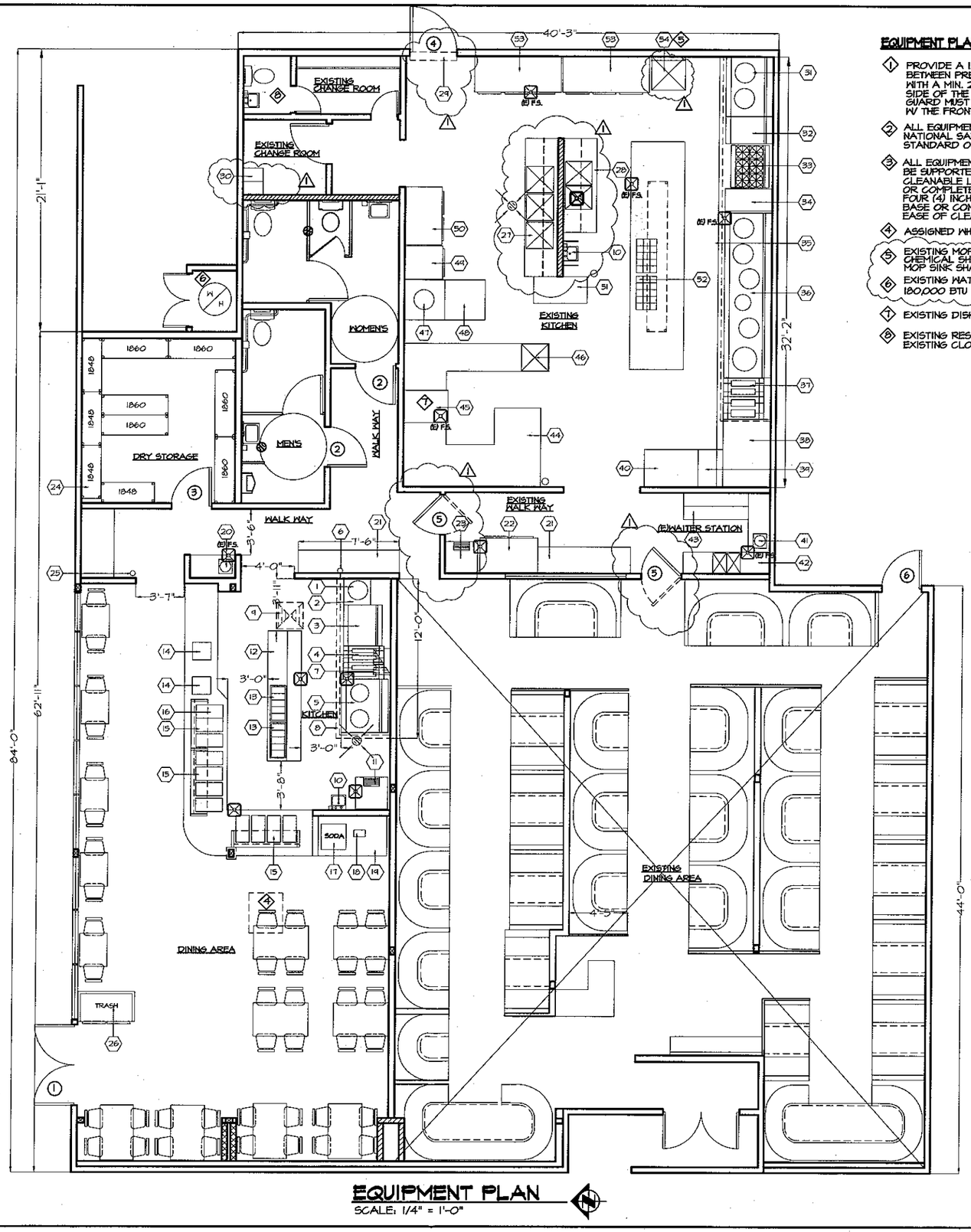

EQUIPMENT PLAN
SCALE: 1/4" = 1'-0"

EQUIPMENT PLAN NOTES:

1. PROVIDE A 12" HIGHT, S/S SPLASHGUARD BETWEEN PREP. SINK AND THE SHELVING, WITH A MIN. 2 INCH CLEARANCE ON EACH SIDE OF THE SPLASHGUARD. THE SPLASH-GUARD MUST EXTEND OUT TO BE IN LINE W/ THE FRONT EDGE OF THE SHELVING UNIT.
2. ALL EQUIPMENT & INSTALLATION WILL MEET NATIONAL SANITATION FOUNDATION (N.S.F.) STANDARD OR EQUIVALENT.
3. ALL EQUIPMENT, INCLUDING SHELVING, MUST BE SUPPORTED BY SIX (6) INCH HIGH, EASILY CLEANABLE LEGS, COMMERCIAL CASTORS, OR COMPLETELY SEALED IN POSITION ON FOUR (4) INCH HIGH CONTINUOUSLY COVED BASE OR CONCRETE CURB TO FACILIT EASE OF CLEANING.
4. ASSIGNED WHEELCHAIR SEATING AREA.
5. EXISTING MOP SINK W/MOP & BROOM HOLDER CHEMICAL SHELF, 30" LONG AT 72" A.F.F. MOP SINK SHALL HAVE BACKFLOW PREVENTION.
6. EXISTING WATER HEATER,"RHEEM", 180 GAL. 180,000 BTU
7. EXISTING DISHWASHER
8. EXISTING RESTROOM TO REMAIN EXISTING CLOTH HOLDER

EQUIPMENT SCHEDULE (ALL EQUIPMENT SHALL BE NSF APPROVED, (E)-EXISTING TO REMAIN)

ITEM	DESCRIPTION	QTY	ELECTRICAL VOLT	AMP	HP	PH	PLUMBING CW	HW	WST	GAS	REMARK
1	RICE COOKER	1								YES	35,000 BTU
2	S/S RICE COOKER STAND	1									21"L X 24"D X 24"H
3	S/S 36" GRIDDLE	1		100 0 W						YES	360,000 BTU
4	DEEP FRYER BY "PITCO" MODEL 7-P-372 OR EQUAL	2								YES	36" LQUICK DISC. HOSE HOOK-UP BY PLUMBER. 110,000 BTU
5	S/S 2 BURNER WOK RANGE W/ WATER FAUCET COOLER	1					1/2"		F.S.	YES	220,000 BTU
6	AUTO FIRE EXTINGUISHER SYS.	1									BY OTHERS
7	EXHAUST FAN	2	208		3	3					SEE "M" DWG FOR DETAIL
8	S/S EXHAUST HOOD W/ENCLOSURE SKIRT TO C.L.G & S/S WALL FLASHING	1	115			1					12'-0"L X 4'D, TYPE I HOOD
9	MAKE UP AIR	2	115		1.5	1					SEE "M" DWG FOR DETAIL
10	HAND SINK W/ SOAP AND TOWEL DISPENSER	2				1	1/2"	1/2"	2"		S/S WALL MOUNTED TYPE
11	ICE MAKER	1	120	20		1			F.S.		
12	S/S WORK TABLE	1									1'-6" L X 3'-6" D
13	COLD TABLE W/SHELF ABOVE	1	115		3/4	1			F.S.		6' L X 30" D
14	CASHIER REGISTER	2	115	8		1					SELECTED BY OWNER
15	4-PAN FOOD WARMER	3	120	2.2KW		1			F.S.		
16	SNEEZE GAURD	1	115	1KW		1					
17	COKE MACHINE	1					1/2"		F.S.		
18	DROP-IN COUNTER TRASH CAN	1									
19	SODA STATION TABLE	1									
20	WATER BOILER	1									
21	WATER COUNTER	1									1'-6" L X 3'-6" D
22	EXISTING 2-DR REFRIGRATOR TO BE RELOCATED	1									SELF CONTAIN
23	EXISTING ICE MAKER TO BE RELOCATED	1							F.S.		
24	DRY STORAGE SHELVING, 18"D, 4 TIERS	LOT									
25	FIRE EXTINGUISHER	2									
26	TRASH CABINET	1									4'L X 2'D
27	3-COMP. SINK / SHELF ABOVE	1					1/2"	1/2"	2"		
28	2-COMP. SINK / SHELF ABOVE	1					1/2"	1/2"	F.S.		
(E) 29	EXISTING AIR CURTAIN	1									
30	LOCKERS	2									
(E) 31	S/S 2 BURNER WOK RANGE W/ WATER FAUCET COOLER	1					1/2"		F.S.	YES	
(E) 32	S/S 24" GRIDDLE	1								YES	
(E) 33	S/S 6-BURNER RANGE/ OVEN BELOW	1								YES	
(E) 34	S/S WORK TABLE	1									
(E) 35	S/S EXHAUST HOOD W/ENCLOSURE SKIRT TO C.L.G & S/S WALL FLASHING	1	115			1					32'-0"L X 4'D, TYPE I HOOD
(E) 36	6 BURNERS WOK RANGE W FAUCET COOLER	1							F.S.	YES	
(E) 37	DEEP FRYER BY "PITCO" MODEL 7-P-372 OR EQUAL	2								YES	
(E) 38	S/S WORK TABLE	1									
(E) 39	S/S WORK TABLE	1									
(E) 40	S/S WORK TABLE	1									
(E) 41	WATER BOILER	1							F.S.		
(E) 42	2-COMP. HAND SINK	1							F.S.		
(E) 43	WAITER STATION COUNTER	1									
(E) 44	S/S WORK TABLE	1									
(E) 45	DISHWASHER	1							F.S.		
(E) 46	S/S 1-COMP. SINK	1									
(E) 47	RICE COOKER	1									
(E) 48	S/S WORK TABLE	1									
(E) 49	SINGLE DOOR REACH-IN FREEZER	1									SELF CONTAIN
(E) 50	2-DR. REACH-IN FREEZER	1									SELF CONTAIN
(E) 51	S/S WARMER	1							F.S.		
(E) 52	S/S COLD TABLE	1							F.S.		
(E) 53	3-DR REFRIGERATOR	2									SELF CONTAIN
(E) 54	MOP SINK W/ MOP HOLDER	1									

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1 HEALTH 01/19/04	L.L.
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SHEET TITLE:
FLOOR PLAN, NOTES & EQUIPMENT SCHEDULE

PROJECT:
DRAGON GATE EXPRESS T.I.
RESTAURANT
17812 BELLFLOWER BLVD., #A
BELLFLOWER, CA 90706

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1 11/19/03
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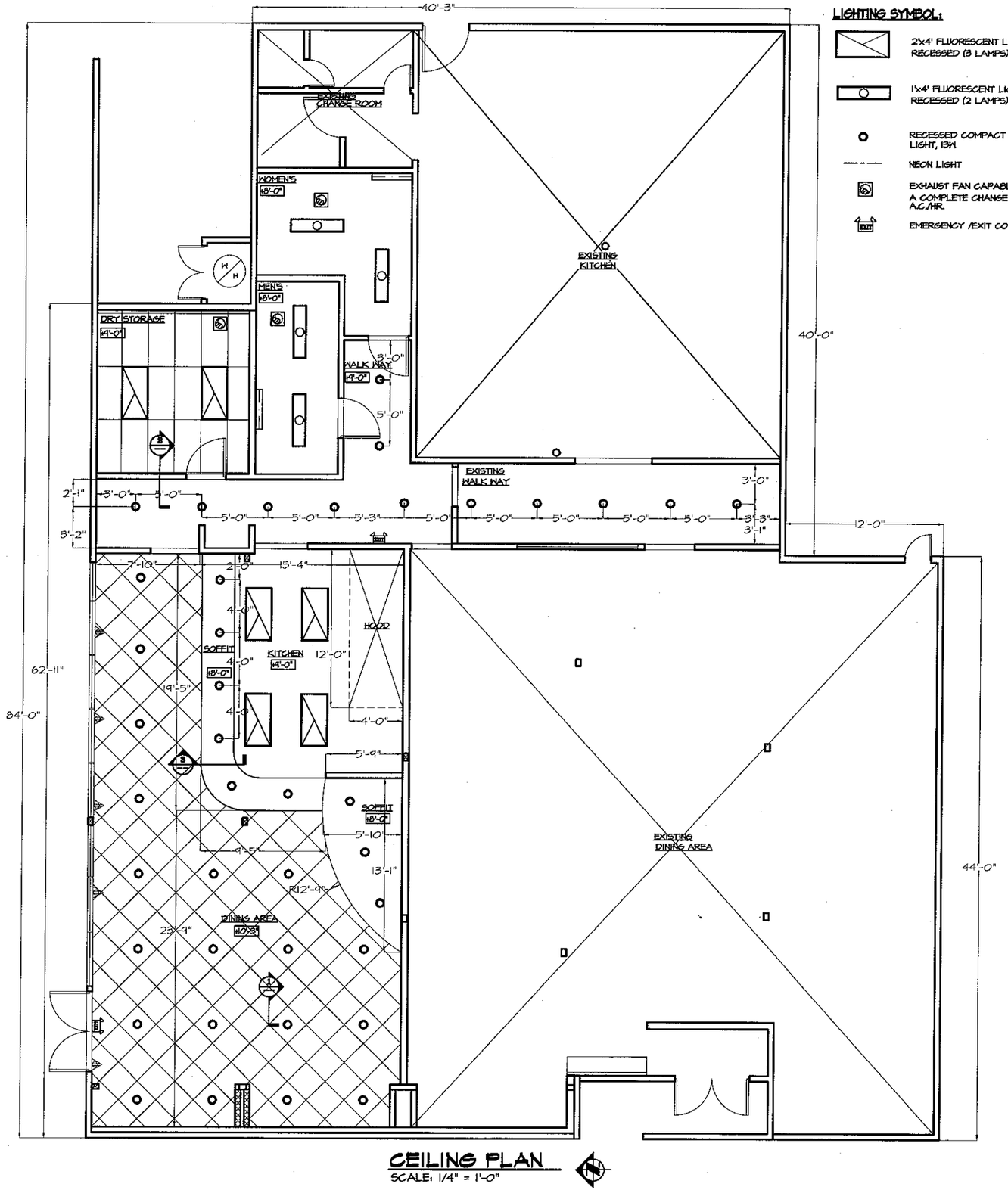


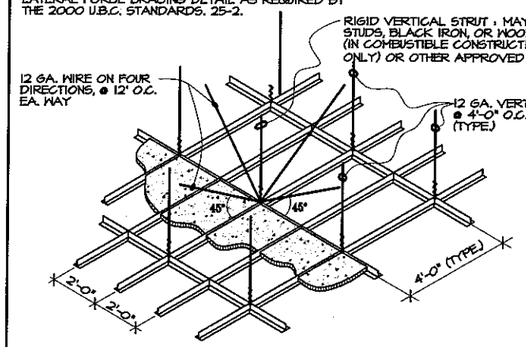
CEILING PLAN

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

LIGHTING SYMBOL:

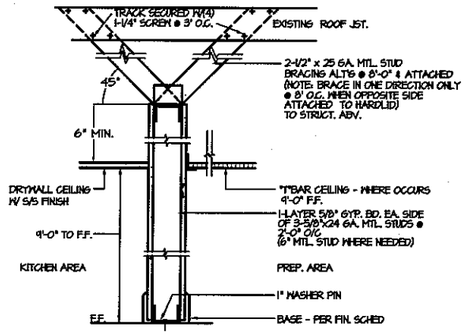
- 2'x4' FLUORESCENT LIGHTING FIXTURE RECESSED (3 LAMPS)
- 1'x4' FLUORESCENT LIGHTING FIXTURE RECESSED (2 LAMPS)
- RECESSED COMPACT FLUORESCENT LIGHT, 13W
- NEON LIGHT
- EXHAUST FAN CAPABLE OF PROVIDING A COMPLETE CHANGE OF AIR EVERY 12 A.C./HR.
- EMERGENCY /EXIT COMBINATION

LATERAL FORCE BRACING DETAIL AS REQUIRED BY THE 2000 U.B.C. STANDARDS. 25-2.



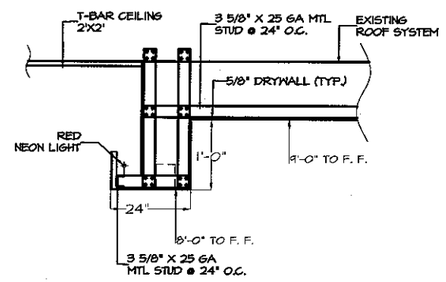
NOTES: 1. VERTICAL STRUT : A STRUT FASTENED TO THE MAIN RUNNER SHALL BE EXTENDED TO AND FASTENED TO THE STRUCTURAL MEMBERS SUPPORTING THE ROOF OR FLOOR ABOVE. THE STRUT SHALL BE ADEQUATE TO RESIST THE VERTICAL COMPONENT INDUCED BY THE BRACING WIRES.
2. THESE HORIZONTAL RESTRAINT POINTS SHALL BE PLACED 12 FEET ON CENTER IN BOTH DIRECTIONS, WITH THE FIRST POINT WITHIN 6 FEET FROM EACH WALL.

① SUSPENDED CEILING DETAIL N.T.S.



NOTE: SECURED METAL STUD 0.145" DIM. HD BY MIN. 0.145" DIM SHANK BY 1" LONG RAMSET/ RED HEAD, POWER DRIVEN ANCHORS @ 48" O.C. (ICBO # 1634)

② PARTITION DETAIL N.T.S.



③ SOFFIT DETAIL N.T.S.

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SHEET TITLE: CEILING PLAN & DETAILS

PROJECT:
DRAGON GATE EXPRESS T.I.
RESTAURANT
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BELLFLOWER, CA 90706

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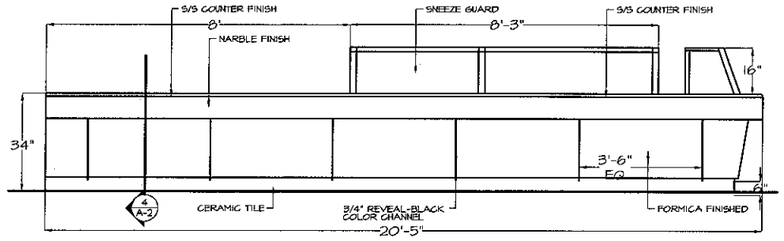
ROOM FINISH SCHEDULE (ALL EQUIPMENT SHALL BE NSF APPROVED)

ROOM NAME \ ITEM	*FLOOR: CARPET	*FLOOR: VINYL TILE	*FLOOR: CER. TILE	*FLOOR: S. STEEL	*FLOOR: ALUM.	*FLOOR: QUARRY TILE	BASE: 6" CER. COVE BASE	BASE: QUARRY TILE 6" HT.	BASE: 6" HT CERAMIC TILE	BASE: S/S BACK SPLASH	BASE: 6" HT. EPOXY	BASE: 4" WOOD COVE	BASE: 4" CER. COVE	BASE: FLAT	WALL: GYP. BOARD	WALL: CER. TILE	WALL: MOISTURE RESIST. GYP. BOARD	WALL: STAINLESS STEEL	WALL: F.R.P.	PAINT: FLAT	PAINT: SEMI-GLOSS	PAINT: EPOXY	CEILING: 2'X4' WHITE CLEANABLE T' BAR	CEILING: WATER RESISTANT GYPSUM BOARD	CEILING: 2'X4' ACOUSTICAL TILE	CEILING: 6" STAINLESS STEEL PANEL	CEILING: GYP. BD W/PAINT SKY COLOR	CEILING: 2'X4' T' BAR CEILING	REMARK
DINING AREA			○												○					○								○		
KITCHEN AREA					○					○					○			○		○										
RESTROOM		○						○							○					○										
DRY STORAGE					○										○					○						○				
WATER STATION					○										○					○										

NOTE: * PROVIDE SMOOTH QUARRY TILE

DOOR SCHEDULE

NO.	WIDTH	HEIGHT	REMARKS
①	3'-0" (PAIRS)	7'-0"	PROVIDE DOUBLE FRONT DOOR, W/ PRIVACY LOCKSET. W/ A LATCH
②	3'-0"	7'-0"	RESTROOM DOOR, SEE DETAIL ① & ② ON A-1
③	3'-0"	7'-0"	DRY STORAGE ROOM DOOR W/ PRIVACY LOCKSET, "EMPLOYEE ONLY" SIGN
④	3'-6"	7'-0"	EXISTING BACK DOOR TO REMAIN
⑤	3'-0"	7'-0"	ALUM. SWING DOUBLE DOOR, W/ S/S EDGE.
⑥	3'-0"	7'-0"	SIDE DOOR W/ PRIVACY LOCKSET,



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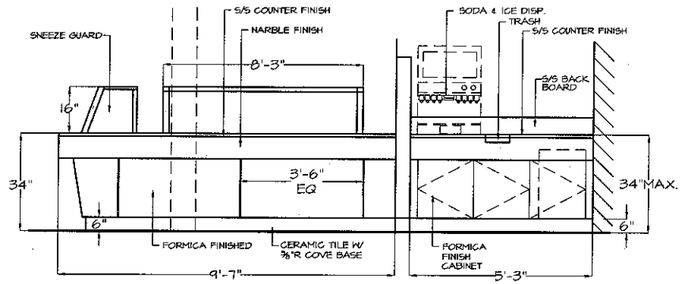

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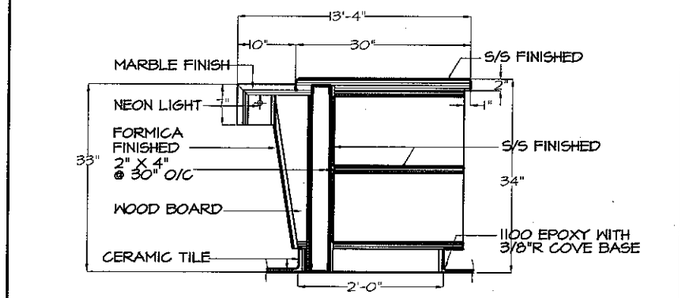
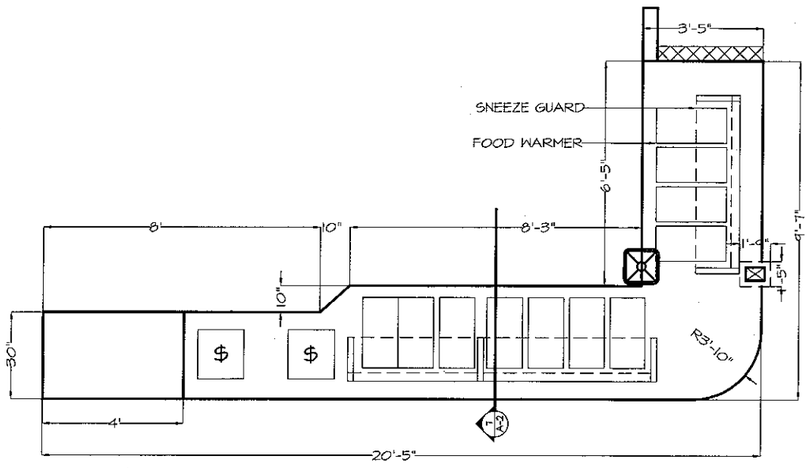
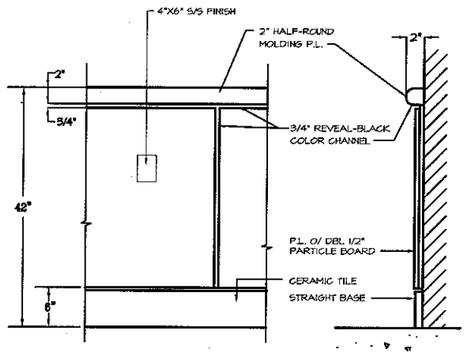
① FRONT COUNTER N.T.S



② H. C. FRONT COUNTER SECTION N.T.S

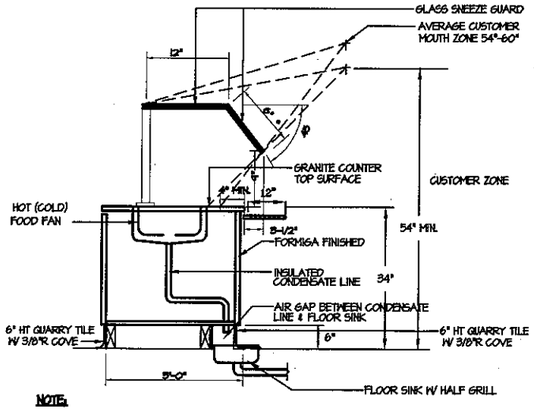


③ FRONT COUNTER N.T.S



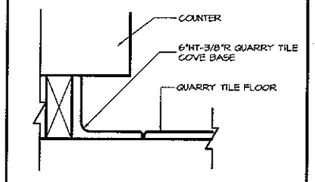
FRONT VIEW SECTION

④ WAINSCOT N.T.S



NOTE.
1. ALL TABLES ARE TO BE OF CABINET QUALITY CONSTRUCTION W/ ALL SURFACES SMOOTH AND ALL CRACKS AND CREVICES SEALED WITH A CAULKING-TYPE SEALANT.

⑤ STEAM & COLD TABLE SECTION N.T.S.



② COVE BASE DETAIL N.T.S.

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SHEET TITLE: ELEVATIONS & DETAILS

PROJECT:
DRAGON GATE EXPRESS T.I.
RESTAURANT
17812 BELLFLOWER BLVD., #A
BELLFLOWER, CA 90706

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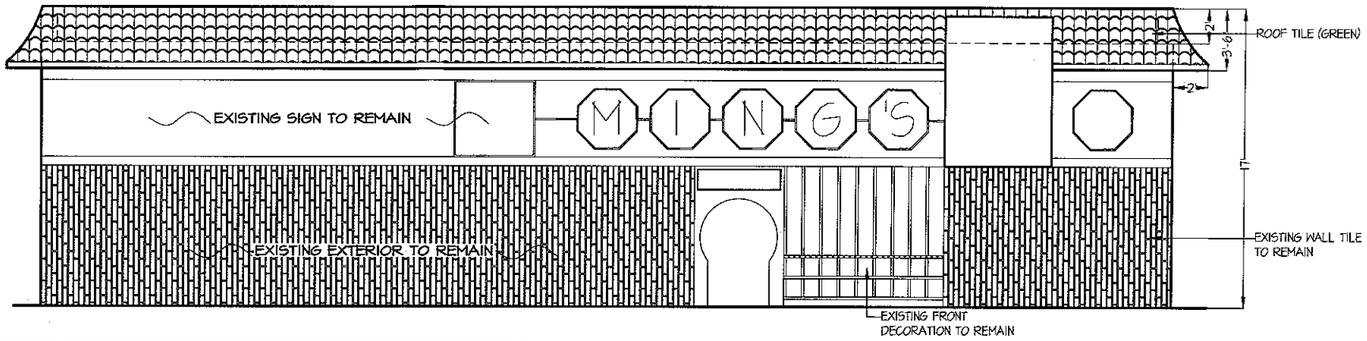
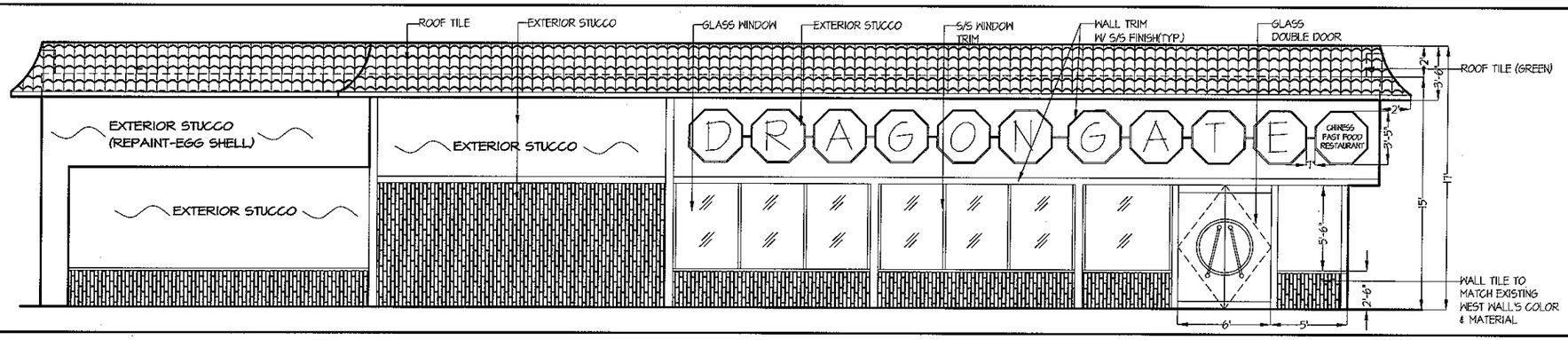


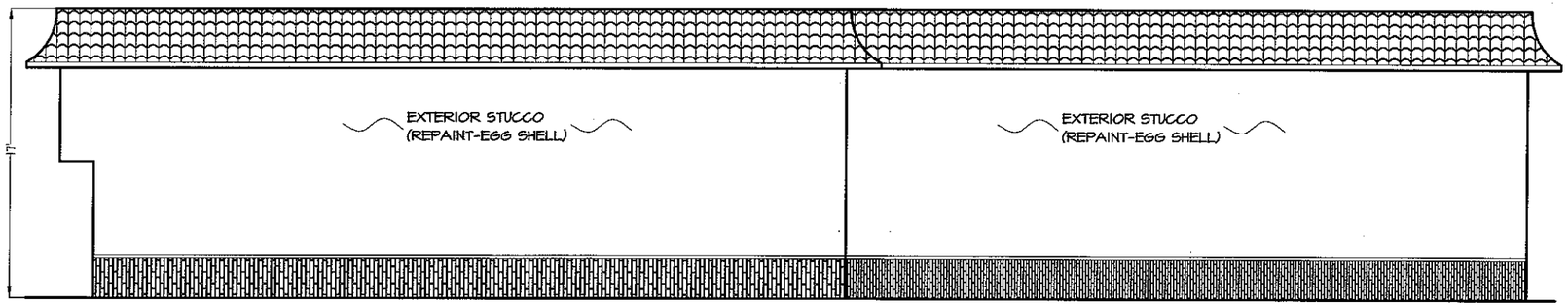
WEST ELEVATION

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



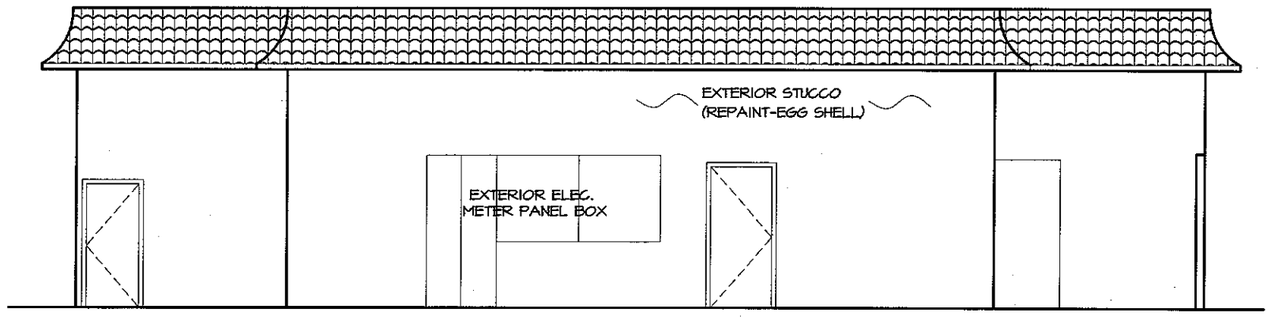
NORTH ELEVATION

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



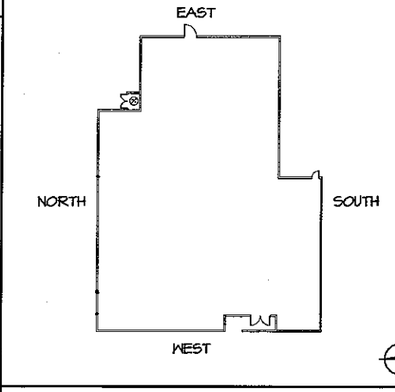
SOUTH ELEVATION

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



EAST ELEVATION

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



KEY MAP N.T.S.

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SHEET TITLE:
BUILDING ELEVATIONS

PROJECT:
DRAGON GATE EXPRESS T.I. RESTAURANT
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MANDATORY NOTES:

A. THE PERSON WITH OVERALL RESPONSIBILITY FOR CONSTRUCTION OR THE PERSON RESPONSIBLE FOR THE INSTALLATION OF REGULATED MANUFACTURED DEVICES SHALL POST, OR MAKE AVAILABLE WITH THE BUILDING PERMIT(S) ISSUED FOR THE BUILDING, THE INSTALLATION CERTIFICATE(S) FOR MANUFACTURED DEVICES REGULATED BY THE APPLIANCE STANDARDS OR PART 6. SUCH INSTALLATION CERTIFICATE(S) SHALL BE MADE AVAILABLE TO THE ENFORCEMENT AGENCY FOR ALL APPROPRIATE INSPECTIONS. THESE CERTIFICATES SHALL:
   1. IDENTIFY FEATURES REQUIRED TO VERIFY COMPLIANCE WITH THE APPLIANCE STANDARDS AND PART 6;
   2. INCLUDE A STATEMENT INDICATING THAT THE INSTALLED DEVICES CONFORM TO THE APPLIANCE STANDARDS AND PART 6 AND THE REQUIREMENTS FOR SUCH DEVICES GIVEN IN THE PLANS AND SPECIFICATIONS APPROVED BY THE LOCAL ENFORCEMENT AGENCY;
   3. STATE THE BUILDING PERMIT NUMBER UNDER WHICH THE CONSTRUCTION OR INSTALLATION WAS PERFORMED.

   SEC. 10-103(a)3

B. THE BUILDER SHALL PROVIDE THE BUILDING OWNER OR THE PERSON(S) RESPONSIBLE FOR BUILDING MAINTENANCE (IN CASE OF MULTI-TENANT OR CENTRALLY OPERATED BUILDINGS) AT OCCUPANCY THE FOLLOWING:
   1. OPERATING INFORMATION. A LIST OF THE HEATING, COOLING, WATER HEATING, AND LIGHTING SYSTEMS & FEATURES, MATERIALS, COMPONENTS, AND MECHANICAL DEVICES, CONSERVATION OR SOLAR DEVICES INSTALLED IN THE BUILDING, AND INSTRUCTIONS ON HOW TO USE THEM EFFICIENTLY.
   2. MAINTENANCE INFORMATION. REQUIRED ROUTINE MAINTENANCE ACTION SHALL BE CLEARLY STATED AND INCORPORATED ON A READILY ACCESSIBLE LABEL. THE LABEL MAY BE LIMITED TO IDENTIFYING THE MAINTENANCE MANUAL.
   3. VENTILATION INFORMATION. A DESCRIPTION OF THE QUANTITIES OF OUTDOOR AND RECIRCULATED AIR THAT THE VENTILATION SYSTEM IS DESIGNED TO PROVIDE TO EACH AREA.

   SEC. 10-103(b)

C. AFTER INSTALLING WALL, CEILING, OR FLOOR INSULATION, THE INSTALLER SHALL MAKE AVAILABLE TO THE ENFORCEMENT AGENCY OR POST IN A CONSPICUOUS LOCATION IN THE BUILDING A CERTIFICATE SIGNED BY THE INSTALLER STATING THAT THE INSTALLATION IS CONSISTENT WITH THE PLANS AND THE REQUIREMENTS OF SECTION 10-103(a)2.A. THE CERTIFICATE SHALL ALSO STATE THE MANUFACTURER'S NAME AND MATERIAL IDENTIFICATION AND THE INSTALLED R-VALUE.

   SEC. 10-103(a)4

D. MANUFACTURED FENESTRATION PRODUCTS SHALL:
   1. HAVE TEMPORARY LABEL, NOT TO BE REMOVED BEFORE INSPECTION BY THE ENFORCEMENT AGENCY, LISTING THE CERTIFIED U-VALUE AND CERTIFYING THAT AIR INFILTRATION RATES NOT EXCEEDING THOSE SHOWN IN TABLE NO. I-E.
   2. HAVE A PERMANENT LABEL LISTING THE U-VALUE, CERTIFYING ORGANIZATION, AND RATING PROCEDURES.

   SEC. 116(a)

E. SITE CONSTRUCTED DOORS, SKYLIGHTS, AND WINDOWS, INCLUDING, BUT NOT LIMITED TO, FIELD MANUFACTURED DOORS, SKYLIGHTS, AND WINDOWS, SHALL BE CAULKED BETWEEN THE DOOR, SKYLIGHTS, OR WINDOW AND THE BUILDING, AND SHALL BE WEATHERSTRIPPED.
   EXCEPTION: UNFRAMED GLASS DOORS AND FIRE DOORS.

   SEC. 116(b)

F. JOINTS AND OTHER OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHERSTRIPPED, OR OTHERWISE SEALED TO LIMIT INFILTRATION AND EXFILTRATION.

   SEC. 117(a)

G. THE OPAQUE PORTIONS OF FRAMED DEMISING WALLS IN NONRESIDENTIAL BUILDINGS SHALL HAVE INSULATION WITH AN INSTALLED R-VALUE OF NO LESS THAN R-11 BETWEEN FRAMING MEMBERS.

   SEC. 118(a)

H. ALL INSULATING MATERIAL SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAMESPREAD RATING SMOKE DENSITY REQUIREMENTS OF SECTIONS 2602 AND 707 OF THE TITLE 24, PART 2.

   SEC. 118(c)

J. THE MINIMUM RATE OF OUTDOOR AIR REQUIRED BY SEC. 121(b)2, OR THREE COMPLETE AIR CHANGES, WHICHEVER IS LESS, SHALL BE SUPPLIED TO THE ENTIRE BUILDING DURING THE ONE-HOUR PERIOD IMMEDIATELY BEFORE THE BUILDING IS NORMALLY OCCUPIED.

   SEC. 121(c)2

K. EACH SPACE CONDITIONING SYSTEM SHALL BE INSTALLED WITH CONTROL THAT:
   1. ARE CAPABLE OF AUTOMATICALLY SHUTTING OFF THE SYSTEM DURING PERIODS OF NON-USE AND SHALL HAVE AN AUTOMATIC TIME SWITCH CONTROL DEVICE COMPLYING WITH SEC. 119(c), WITH AN ACCESSIBLE MANUAL OVERRIDE THAT ALLOWS OPERATION OF THE SYSTEM FOR UP TO 4 HOURS.
   2. AUTOMATICALLY RESTART AND TEMPORARILY OPERATE THE SYSTEM AS REQUIRED TO MAINTAIN:
      a. A SETBACK HEATING THERMOSTAT SETPOINT, IF THE SYSTEM PROVIDES MECHANICAL HEATING; AND
      EXCEPTION: AREA WITH THE DESIGN WINTER OUTDOOR TEMPERATURE OF GREATER THAN 32°F.
      b. A SETUP COOLING THERMOSTAT SETPOINT, IF THE SYSTEM PROVIDE MECHANICAL COOLING.
      EXCEPTION: AREA WITH THE DESIGN SUMMER OUTDOOR TEMPERATURE OF LESS THAN 100°F.

   SEC. 122(e)

L. THE THERMOSTATIC CONTROLS FOR HVAC SYSTEMS SHALL MEET THE FOLLOWING REQUIREMENTS AS APPLICABLE:
   1. EACH SPACE CONDITIONING ZONE SHALL BE CONTROLLED BY AN INDIVIDUAL THERMOSTATIC CONTROL.
   2. THERMOSTATIC CONTROLS SHALL BE CAPABLE OF BEING SET, LOCALLY OR REMOTELY, BY ADJUSTMENT OR SELECTION OF SENSORS,
      a. DOWN TO 55?OF OR LOWER TO CONTROL HEATING; OR
      b. UP TO 85°F OR HIGHER TO CONTROL COOLING; OR
      c. BOTH a & b CONDITIONS TO CONTROL BOTH HEATING AND COOLING.
   3. TO CONTROL BOTH HEATING AND COOLING, THE THERMOSTATIC CONTROLS SHALL BE CAPABLE OF PROVING A TEMPERATURE RANGE OR DEAD BAND OF AT LEAST 5°F WITHIN WHICH THE SUPPLY OF HEATING AND COOLING ENERGY TO THE ZONE IS SHUT OFF OR REDUCED TO A MINIMUM.

   SEC. 122(e) & (b)

N. ALL DUCTS SHALL BE INSTALLED AND INSULATED IN COMPLIANCE WITH SECTION 601, 603 AND 604 OF THE UMC.

   SEC. 124

O. OUTDOOR AIR SUPPLY AND EXHAUST EQUIPMENT SHALL BE INSTALLED WITH DAMPERS THAT AUTOMATICALLY CLOSE DURING PERIODS OF NON-USE OF THE AREAS SERVED BY EQUIPMENT.

   SEC. 122(f)

Q. THE PIPING FOR ALL SPACE CONDITIONING AND SERVICE WATER HEATING SYSTEMS SHALL BE INSULATED IN ACCORDANCE WITH TABLE I-G

   SEC. 123

R. WATER HEATING SYSTEMS SHALL BE EQUIPPED WITH AUTOMATIC TEMPERATURE CONTROLS CAPABLE OF ADJUSTMENT FROM THE LOWEST TO THE HIGHEST ACCEPTABLE TEMPERATURE SETTINGS FOR THE INTENDED USE AS LISTED IN TABLE 3, CHAPTER 54 OF THE 1987 ASHRAE HANDBOOK, HVAC SYSTEMS & APPLICATIONS VOLUME.

   SEC. 113(a)2

S. LAVATORIES IN PUBLIC RESTROOMS SHALL HAVE HOT WATER CONTROLS THAT COMPLY WITH THE FOLLOWING REQUIREMENTS:
   1. MAXIMUM FLOW RATE(GPM): 0.5; OR 0.75(WITH A DEVICE THAT LIMITS THE PERIOD OF WATER DISCHARGE I.E. FOOT SWITCH OR OCCUPANCY SENSOR).
   2. FLOW RATE(GAL/CYCLE) FOR SELF-CLOSING VALVES: 0.25(CIRCULATING); OR 0.5(NON CIRCULATING); OR 0.75(WITH A DEVICE THAT LIMITS THE PERIOD OF WATER DISCHARGE I.E. FOOT SWITCH OR OCCUPANCY SENSOR).
   3. MAXIMUM OUTLET TEMPERATURE: 110°F.

   SEC. 113(b)3

T. CIRCULATING SERVICE WATER HEATING SYSTEMS SHALL HAVE A CONTROL CAPABLE OF AUTOMATICALLY TURNING OFF THE CIRCULATING PUMP WHEN HOT WATER IS NOT REQUIRED.

   SEC. 113(b)2

U. HEAT PUMPS WITH SUPPLEMENTARY ELECTRIC RESISTANCE HEATERS SHALL HAVE CONTROLS:
   1. THAT PREVENT SUPPLEMENTARY HEATER OPERATION WHEN THE HEATING LOAD CAN BE MET BY THE HEAT PUMP ALONG, AND
   2. IN WHICH THE CUT-ON TEMPERATURE FOR COMPRESSION HEATING IS HIGHER THAN THE CUT-ON TEMPERATURE FOR SUPPLEMENTARY HEATING, AND THE CUT-OFF TEMPERATURE FOR COMPRESSION HEATING IS HIGHER THAN THE CUT-OFF TEMPERATURE FOR SUPPLEMENTARY HEATING.

   SEC. 112(b)

V. THE MINIMUM VENTILATION RATE SPECIFIED IN SECTION 121(b)2 SHALL BE PROVIDED FOR ALL VENTILATION SYSTEMS SERVING THE BUILDING IN ACCORDANCE WITH ONE OF THE PROCEDURES OUTLINED IN SECTION 121(f).

   SEC. 121(f)

W. ALL DUCTS SHALL BE INSTALLED, SEALED, AND INSULATED IN COMPLIANCE WITH SECTIONS 601, 603 & 604 OF THE CMC. AIR CONDITIONING DISTRIBUTION SYSTEM SHALL EITHER BE INSULATED WITH MINIMUM R-4.2 OR BE ENCLOSED ENTIERLY IN CONDITION SPACE.

   SEC. 124

X. DUCT SYSTEM OPENINGS SHALL BE SEALED WITH MASTIC, TAPE, AEROSOL SEALANT, OR OTHER DUCT CLOSURE SYSTEM THAT MEETS THE APPLICABLE REQUIREMENTS OF UL 181, UL 181A, OR UL 181B INCLUDING COLLARS, CONNECTIONS 1/4 INCH, THE COMBINATION OF MASTIC AND EITHER MESH OR TAPE SHALL BE USED.

   SEC. 124(b)

Y. THE DUCT INSULATION SHALL BE PROTECTED FROM DAMAGE DUE TO SUNLIGHT, MOISTURE, EQUIPMENT MAINTENANCE, AND WIND.

   SEC. 124(h)

PERFORMANCE CERTIFICATE OF COMPLIANCE Part 1 of 3 PERF-1

PROJECT NAME: DRAGON GATE EXPRESS T.I. RESTAURANT — DATE: 11/25/03
PROJECT ADDRESS: 17812 BELLFLOWER BLVD., #A BELLFLOWER,
PRINCIPAL DESIGNER - ENVELOPE: HYC CONSULTING ENGINEERS, INC — TELEPHONE: (909)396-8168 — Building Permit #
DOCUMENTATION AUTHOR: HYC Consulting Engineers, Inc. — TELEPHONE: (909) 396-8168 — Checked by/Date — Enforcement Agency Use

GENERAL INFORMATION

DATE OF PLANS	BUILDING CONDITIONED FLOOR AREA	CLIMATE ZONE
	1,579 sq.Ft.	8

BUILDING TYPE				
[X] NONRESIDENTIAL	[ ] HIGH RISE RESIDENTIAL	[ ] HOTEL/MOTEL GUEST ROOM		
PHASE OF CONSTRUCTION	[ ] NEW CONSTRUCTION	[ ] ADDITION	[X] ALTERATION	[ ] EXISTING + ADDITION

STATEMENT OF COMPLIANCE

This Certificate of Compliance lists the building features and performance specifications needed to comply with Title 24, Parts 1 and 6, of the State Building Code. This certificate applies only to a Building using the performance compliance approach.

DOCUMENTATION AUTHOR	SIGNATURE	DATE
HANK CHANG		11/25/03

The Principal Designers hereby certify that the proposed building design represented in the construction documents and modelled for this permit application are consistent with all other forms and worksheets, specifications, and other calculations submitted with this permit application. The proposed building as designed meets the energy efficiency requirements of the State Building Code, Title 24, Part 6.

ENV. LTG. MECH.

[X] [ ] [X] 1. I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed as a civil engineer, mechanical engineer, electrical engineer or architect.

[ ] [ ] [ ] 2. I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code Section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor preparing documents for work that I have contracted to perform.

[ ] [ ] [ ] 3. I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538, and 6737.1. (These sections of the Business and Professions Code as printed in full in the Nonresidential Manual.)

ENVELOPE COMPLIANCE

Indicate location on plans of Note Block for Mandatory Measures: EN-1
Required Forms: ENV-1

PRINCIPAL ENVELOPE DESIGNER - NAME	SIGNATURE	LIC. NO.	DATE
HYC CONSULTING ENGINEERS, INC		M24241	11/25/03

LIGHTING COMPLIANCE

Indicate location on plans of Note Block for Mandatory Measures: Lighting Compliance Not In The Scope Of This Submittal
Required Forms:

PRINCIPAL LIGHTING DESIGNER - NAME	SIGNATURE	LIC. NO.	DATE

MECHANICAL COMPLIANCE

Indicate location on plans of Note Block for Mandatory Measures: EN-1
Required Forms: MECH-1, MECH-2, MECH-3

PRINCIPAL MECHANICAL DESIGNER - NAME	SIGNATURE	LIC. NO.	DATE
HANK CHANG		M24241	11/25/03

Run Initiation Time: 11/25/03 13:54:40 Run Code: 1069768480

ENVELOPE COMPLIANCE SUMMARY Performance ENV-1

PROJECT NAME: DRAGON GATE EXPRESS T.I. RESTAURANT — DATE: 11/25/03

OPAQUE SURFACES

#	Surface Type	Framing Type	Area	U-Fac.	Act. Azm.	Tilt	Solar Gains Y/N	Form 3 Reference	Location / Comments
1	Roof	Wood	879	0.051	90	0	X	R-19 Roof (R.19.2x6.16)	KITCHEN & SERVICE
2	Wall	Wood	300	0.096	0	90	X	R-11 Wall (W.11.2x4.16)	KITCHEN & SERVICE
3	Roof	Wood	600	0.051	0	0	X	R-19 Roof (R.19.2x6.16)	DINING AREA
4	Wall	Wood	330	0.096	0	90	X	R-11 Wall (W.11.2x4.16)	DINING AREA
5	Wall	Wood	240	0.096	90	90	X	R-11 Wall (W.11.2x4.16)	DINING AREA

FENESTRATION SURFACES

Site Assembled Glazing [ ] Check box if Building is >= 100,000 sqft of CFA and >= 10,000 sqft vertical glazing then NFRC Certification is required. Follow NFRC 100-SB Procedures and submit NFRC Label Certificate Form.

#	Type	Area	U-Fac.	Act. Azm.	SHGC	Glazing Type	Location / Comments

EXTERIOR SHADING

#	Exterior Shade Type	SHGC	Window Hgt. Wd.	Overhang Len. Hgt.	Left Fin Ext. Rext.	Right Fin Dist. Len. Hgt.

Run Initiation Time: 11/25/03 13:54:40 Run Code: 1069768480

CERTIFICATE OF COMPLIANCE Performance MECH-1

PROJECT NAME: DRAGON GATE EXPRESS T.I. RESTAURANT — DATE: 11/25/03

SYSTEM FEATURES

	MECHANICAL SYSTEMS			
SYSTEM NAME	HP-1	(E)AC-1		NOTE TO FIELD
TIME CONTROL	Programmable Switch	Programmable Switch		
SETBACK CONTROL	Heating Required	Heating Required		
ISOLATION ZONES	n/a	n/a		
HEAT PUMP THERMOSTAT?	Yes	n/a		
ELECTRIC HEAT?	0.0 kW	n/a		
FAN CONTROL	Constant Volume	Constant Volume		
VAV MINIMUM POSITION CONTROL?	No	No		
SIMULTANEOUS HEAT/COOL?	No	No		
HEATING SUPPLY RESET	Constant Temp	Constant Temp		
COOLING SUPPLY RESET	Constant Temp	Constant Temp		
HEAT RECTION CONTROL	n/a	n/a		
VENTILATION	Outside Air Measure	Outside Air Measure		
OUTDOOR DAMPER CONTROL	Gravity	Gravity		
ECONOMIZER TYPE	No Economizer	No Economizer		
DESIGN O.A. CFM (MECH-3, COLUMN I)	372 cfm	228 cfm		
HEATING EQUIPMENT TYPE	Heat Pump	Gas Furnace		
HEATING EQUIPMENT EFFICIENCY	8.80 HSPF	80% AFUE		
COOLING EQUIPMENT TYPE	Packaged DX	Packaged DX		
COOLING EQUIPMENT EFFICIENCY	10.1 SEER / 0.0 EER CARRIER 50HS-036	10.0 SEER / 9.7 EER CARRIER 48EL-006		
MAKE AND MODEL NUMBER				
PIPE INSULATION REQUIRED?	Yes	Yes		
PIPE/DUCT INSULATION PROTECTED?	Yes	Yes		
HEATING DUCT LOCATION R-VALUE	Ducts in Attic 4.2	Ducts in Attic 4.2		
COOLING DUCT LOCATION R-VALUE	Ducts in Attic 4.2	Ducts in Attic 4.2		
VERIFIED SEALED DUCTS IN CEILING/ROOF SPACE	No	No		

CODE TABLES: Enter code from table below into columns above.

		TIME CONTROL	SETBACK CTRL	ISOLATION ZONES	FAN CONTROL
HEAT PUMP THERMOSTAT?	Y: Yes N: No	S: Prog. Switch O: Occupancy Sensor M: Manual Timer	H: Heating C: Cooling B: Both	Enter Number of Isolation Zones.	I: Inlet Vanes P: Variable Pitch V: VFD O: Other C: Curve
ELECTRIC HEAT?					
VAV MINIMUM POSITION CONTROL?					
SIMULTANEOUS HEAT / COOL?					
HEAT AND COOL SUPPLY RESET?					
HIGH EFFICIENCY?					
PIPE INSULATION REQUIRED?					
PIPE/DUCT INSULATION PROTECTED?					
SEALED DUCTS IN CEILING/ROOF SPACE?					

	VENTILATION	OUTDOOR DAMPER	ECONOMIZER	O.A. CFM
	B: Air Balance C: Outside Air Cert. M: Out. Air Measure D: Demand Control N: Natural	A: Auto G: Gravity	A: Air W: Water N: Not Required EC: Economizer Control See Section 144(e)3	Enter Outdoor Air CFM. Note: This shall be no less than Col. H on MECH-3.

NOTES TO FIELD - For Building Department Use Only

Run Initiation Time: 11/25/03 13:54:40 Run Code: 1069768480

REVISIONS	BY
1 HEALTH 01/19/04	LL
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556 N. Diamond Bar BLVD. # 304 · Diamond Bar, CA 91765
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· E-mail:HYC@HYCENGINEER.COM ·

SHEET TITLE: **ENERGY CALCULATION**

PROJECT: **DRAGON GATE EXPRESS T.I. RESTAURANT**
17812 BELLFLOWER BLVD., #A
BELLFLOWER, CA 90706

ISSUE DATE
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Job: C03058
Sheet: EN-1
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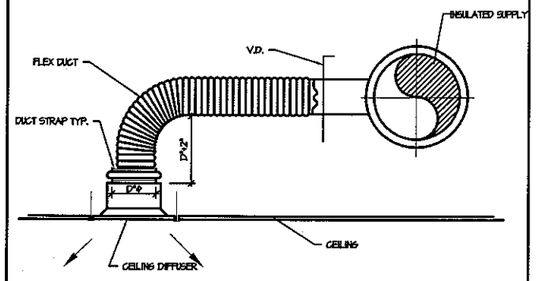

CEILING DIFFUSER CONNECTION

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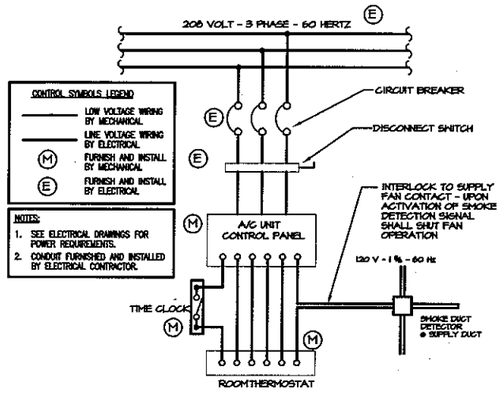

AC UNIT CONTROL WIRING DIAGRAM

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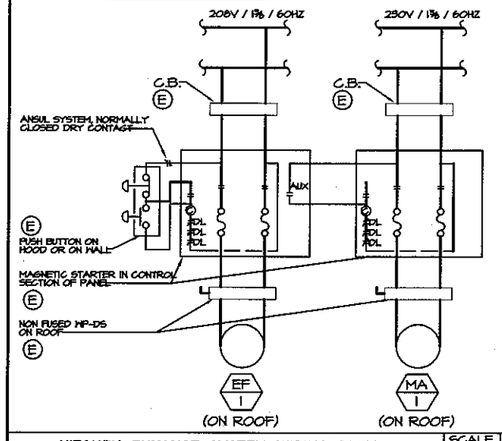

KITCHEN EXHAUST SYSTEM WIRING DIAGRAM

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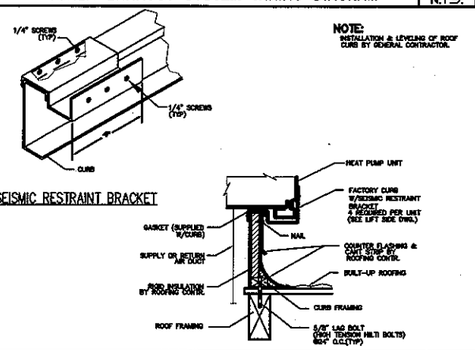
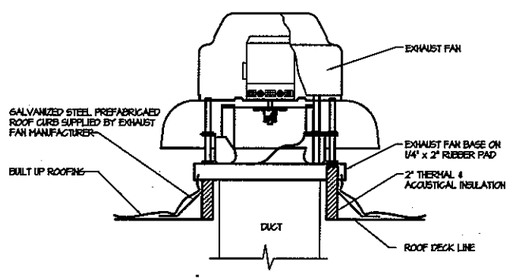


SEISMIC A/C CURB SUPPORT DETAIL

SCALE N.T.S. | 4

GENERAL NOTES

1. THE DRAWINGS, SPECIFICATIONS AND GENERAL NOTES DESCRIBE THE RECOMMENDED SCOPE OF WORK AND THE DOCUMENTS SHALL BE USED FOR THE PURPOSE OF BIDDING, BUILDINGS DEPARTMENT REVIEW, AND TO SECURE THE NECESSARY CONSTRUCTION PERMIT ONLY. CONTRACTOR SHALL PROVIDE CONSTRUCTION DRAWINGS AND OBTAIN WRITTEN APPROVAL OF ALL INSPECTION AUTHORIZED GOVERNMENTAL AGENCIES AND UTILITY COMPANIES PRIOR TO START OF AFFECTED WORK.
2. ALL MECHANICAL WORK SHALL COMPLY WITH LOCAL APPLICABLE CODE AND UNIFORM MECHANICAL CODE.
3. COORDINATE ALL MECHANICAL WORK WARCHITECTURAL, ELECTRICAL STRUCTURAL, SUBCONTRACTOR & OTHER TRADES TO AVOID INTERFERENCES.
4. COORDINATE LOCATIONS OF OPENING THROUGH FLOOR, WALL & ROOF WARCHITECTURAL, ELECTRICAL & STRUCTURAL DRAWINGS.
5. SEAL & TAPE ALL OPENINGS IN DUCTWORK AIRTIGHT AFTER TESTING.
6. ALL SIZES FOR DUCT, GRILLE, REGISTER, DIFFUSER & LOUVER SHALL BE IN INCHES.
7. CHECK & VERIFY ALL FIELD CONDITIONS & ACTUAL DIMENSIONS BEFORE PREPARING SHOP DRAWINGS & BEGINNING INSTALLATION NOTIFY ARCHITECT IMMEDIATELLY OF AND ALL DISCREPANCIES.
8. TEST & BALANCE ALL EXHAUST SYSTEM ACCORDING TO CFM INDICATED ON PLANS.
9. ALL APPLIANCE AND PLUMBING VENTS SHALL BE AT LEAST TEN (10) FEET IN A HORIZONTAL DIRECTION, OR THREE (3) FEET ABOVE THE OUTSIDE-AIR INTAKES FOR HVAC UNITS.
10. GREASE HOOD EXHAUST DUCT SHALL SLOPE NOT LESS THAN 1/4" PER LINEAR FOOT TOWARD THE HOOD SO THAT GREASE CANNOT BECOME POCKETED IN ANY PORTION OF EXHAUST DUCT.
11. PROVIDE CLEANOUT OPENING WITH TIGHT-FITTING DOOR IN GREASE DUCT AND FIRED RATED ENCLOSURE MATERIAL & CONSTRUCTION SHALL COMPLY WITH CHAPTER 10 OF UMC CURRENT EDITION.



EXHAUST FAN DETAIL

N.T.S.

EQUIPMENT SCHEDULE

NO.	DESCRIPTION
AC 1 (EXISTING) ◇1	EXISTING 5TON ROOFTOP PACKAGED AIR CONDITIONER "CARRIER" MODEL NO. 48EL-006 UNIT SHALL DELIVER 2,000 CFM @ 0.5" ESP. COOLING CAPACITY: 57,000 BTUH ARI RATED, SEER=10.0 GAS HEATING CAPACITY: INPUT=72,000 BTUH OUTPUT=59,200 BTUH, AFUE = 80% MIN. OSA SETTING = 400 CFM ELECTRICAL: 208V-1Ø-60HZ MIN. CIRCUIT AMP = 55 AMPS MAX. OVERCURRENT PROTECTION= 70 AMPS
HP 1	PACKAGED HEAT PUMP ROOFTOP UNIT "CARRIER" MODEL NO. 50HS-036 OR EQUAL UNIT SHALL DELIVER 1200 CFM @ 0.5" ESP. 35,600 BTUH ARI RATED COOLING CAPACITY, SEER=10.10 35,400 BTUH HEATING CAPACITY, HSPF=6.80 @ 47°F OUTDOOR TEMPERATURE. MIN. OSA = 240 CFM ELECTRICAL: 208V-1Ø-60HZ MIN. CIRCUIT AMPACITY = 26.7 AMPS MAX. OVERCURRENT PROTECTION = 40 AMPS UNIT APPROX. WEIGHT = 288 LBS
MA 1	MAKE-UP AIR UNIT "ARCTIC CIRCLE" EVAPORATIVE COOLER, MODEL 830 OR EQUAL UNIT SHALL DELIVER 4,800 CFM @ 0.4 S.P. 1 H.P. MOTOR ELECTRICAL: 208V-1Ø-60HZ UNIT APPROX OPERATING WEIGHT = 570 LBS MA-1 SHALL BE ELECTRICALLY INTERLOCKED WITH EF-1
EF 1	KITCHEN HOOD EXHAUST FAN "COOK" MODEL CPV-210 CENTRIFUGAL BLOWER OR EQUAL UNIT SHALL DELIVER 4,800 CFM @ 1" SP 2 HP FAN MOTOR ELECTRICAL: 208V-1Ø-60HZ UNIT APPROX. WEIGHT = 310 LBS
EF 2	ROOF VENTILATOR "COOK" MODEL ACE-10002B OR EQUAL UNIT SHALL DELIVER 700 CFM @ .5" SP ELECTRICAL: 115V/1Ø/60HZ, 1/6 HP MOTOR UNIT APPROX. WEIGHT = 30 LBS. PROVIDE BACKDRAFT DAMPER. UNIT SHALL BE ELECTRICALLY INTERLOCKED WITH TIMER.

◇ EXISTING A/C UNIT, FIELD VERIFY BEFORE BID.

AIR BALANCE SCHEDULE

ITEM	SUPPLY AIR	RETURN AIR	MAKE-UP AIR	EXHAUST
MA-1	0	0	+4,800	0
EF-1	0	0	0	-4,800
AC-1	+2,000	-1,600	0	0
HP-1	+1,200	-960	0	0
TOTAL	+3,200	-2,560	+4,800	-4,800
TENANT SPACE PRESSURE = +640 CFM				

LEGEND

SYMBOL DOUBLE	SYMBOL SINGLE	ABBREVIATION	DESCRIPTION
	—SA—	SA	SUPPLY AIR DUCT
	—RA—	RA	RETURN AIR DUCT
	—EAD—	EAD	EXHAUST AIR DUCT
	—OA—	OA	OUTSIDE AIR DUCT
			TRANSITION - RECTANGULAR TO RECT-ANGULAR
			TRANSITION - RECTANGULAR TO ROUND
			ELBOW W/TURNING VANE
	6X6L	(L)	LINED DUCT, DUCT SIZE WITH L FOR SINGLE LINE
	R		RISE IN DIRECTION OF AIRFLOW
	D		DROP IN DIRECTION OF AIRFLOW
			DUCT ENCLOSURE IN GYPSUM BOARD FOR 2 HOURS RATING
			FLEXIBLE DUCT
			THERMOSTAT WITH AUTOMATIC CHANGE-OVER & VENTED LOCKABLE CLEAR COVER
			SUPPLY AIR DUCT - SECTION
			RETURN, EXHAUST, OR OUTSIDE AIR DUCT -SECTION
			ROUND DUCT OR STACK - SECTION
		12X12CD 360	12"X 12" NECK PERFORATED CEILING DIFFUSER, 360 CFM
		6X6R 150	6"X 6" PERFORATED CEILING REGISTER, 150 CFM
		12X8R 250	12"X 8" WALL REGISTER 250 CFM
		CD	CONDENSATE DRAIN
		DN.	DOWN
		DWG.	DRAWING
		OD	OVERFLOW DRAIN
	S	SD	SMOKE DETECTOR
		THRU	THROUGH
		TYP.	TYPICAL

GENERAL SEISMIC NOTES

ALL MECHANICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTION IN ANY DIRECTION USING THE FOLLOWING CRITERIA :

FIXED EQUIPMENT ON GRADE 22% OF OPERATING WEIGHT
FIXED EQUIPMENT ON STRUCTURE 33% OF OPERATING WEIGHT

FOR FLEXIBILITY MOUNTED EQUIPMENT USE 2 TIMES THE ABOVE VALUES.
SIMULTANEOUS VERTICAL FORCE - USE 1/3 TIMES HORIZONTAL FORCE.

NOTE :

FOR EQUIPMENT WEIGHING 400 POUNDS OR MORE, ANCHORAGE DETAIL AND APPROPRIATE DESIGN CALCULATIONS SHALL BE SUBMITTED AS PART OF THE MECHANICAL SHOP DRAWINGS.

REVISIONS	BY
1 HEALTH 01/19/04	L.L.
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SHEET TITLE:
MECHANICAL LEGEND, NOTE, & SCHEDULE

PROJECT:
DRAGON GATE EXPRESS T.I.
RESTAURANT
17812 BELLFLOWER BLVD., #A
BELLFLOWER, CA 90706

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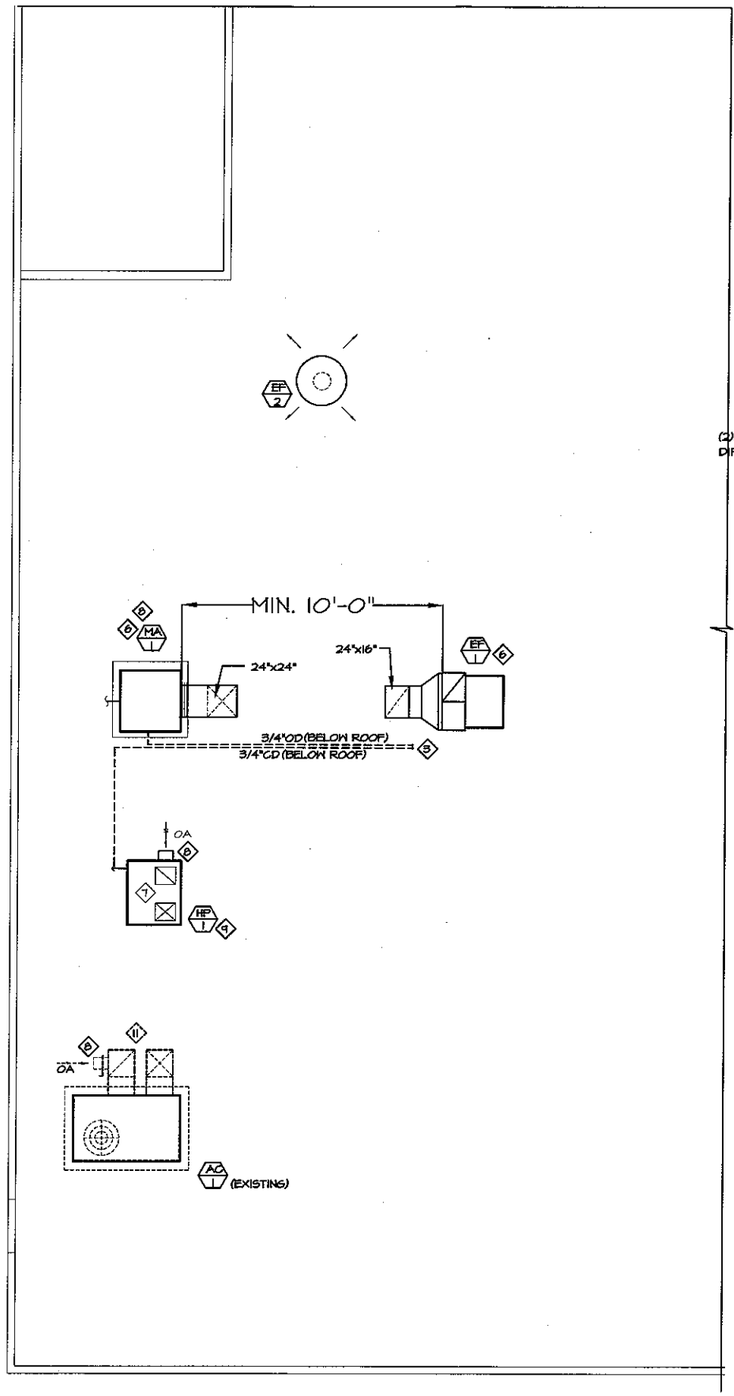
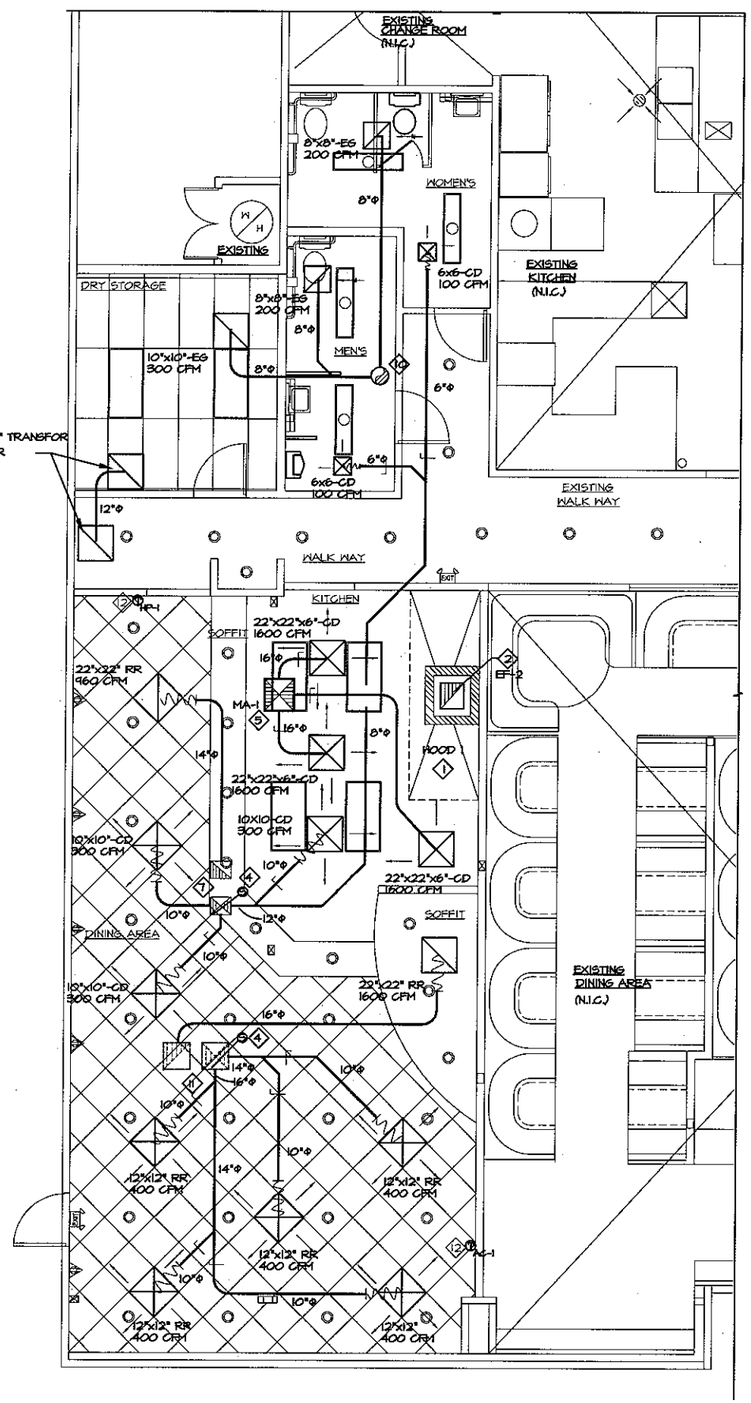


ROOF HVAC PLAN
SCALE: 1/4" = 1'-0"



FLOOR HVAC PLAN
SCALE: 1/8" = 1'-0"

NOTES:

1. INSTALL 12'-0"X4'-0" GREASE EXHAUST HOODS FURNISHED BY TENANT. HOOD SHALL BE 4,200 CFM. SUPPORT FROM STRUCTURE ABOVE WITH UNISTRUT AND ALL THREAD ROD. MOUNT HOOD PER LOCAL CODE REQUIREMENTS. REFER TO PLAN FOR HOOD CONNECTIONS. SEE CODE COMPLIANCE DRAWINGS M-3 AND HOOD CALCULATION BELOW.
2. 16"X24" GREASE EXHAUST DUCT CONNECT TO EXHAUST HOOD COLLAR, AND EXTEND UP TO ROOF MOUNTED GREASE EXHAUST FAN WITH FIRE RATED DUCT ENCLOSURE. FABRICATED DUCT FROM 16 GAUGE STEEL WITH WELDED SEAM CONSTRUCTION. SEE HOOD DETAIL DRAWING ON SHEET M-3.
3. ¾" CONDENSATE DRAIN & ¾" OVERFLOW DRAIN DOWN TO FLOOR SINK.
4. PROVIDE DUCT MOUNTED SMOKE DETECTOR AT MAIN SUPPLY AIR DUCT. PER UMC 2001, SEC. 609. SEE DETAIL.
5. 24"X24" MAKE UP AIR DUCT UP TO MAKE UP AIR UNIT ON ROOF. FIELD VERIFY STRUCTURE FOR DUCT OPENING.
6. INSTALL GREASE EXHAUST FAN W/ CURB (EF-1)/ MAKE UP AIR (MA-1) FURNISHED BY TENANT. COORDINATE LOCATION OF UNIT WITH STRUCTURE.
7. 12"x14"SA & 16"x12"RA
8. MIN. 10'-0" AWAY ANY EXHAUST AIR OUTLET.
9. PROVIDE A NEW ROOF TOP UNIT. PROVIDE FABRICATED CURB PER LANDLORD'S REQUIREMENTS COORDINATE EXACT LOCATION OF UNIT WITH LANDLORD'S FIELD REPRESENTATIVE. SHIM ROOF CURB LEVEL FOR PROPER CONDENSATE DRAINAGE. FURNISH AND INSTALL ALL TEMPERATURE CONTROL WIRING FROM THE UNIT TO THE THERMOSTAT OR OTHER CONTROL DEVICES. CONTACT THE LANDLORD'S ROOFING CONTRACTOR TO PERFORM ALL ROOF PENETRATIONS AND SEALS TO MAINTAIN THE ROOF WARRANTY.
10. 12"Φ EXHAUST DUCT UP TO EF-2 ON ROOF.
11. EXISTING SA & RA DUCT
12. PROVIDE A NEW PROGRAMMABLE THERMOSTAT W/ VENTED LOCKABLE COVER AT THIS LOCATION. MOUNT THERMOSTAT AT 48" A.F.F.

REVISIONS	BY
1 HEALTH 01/19/04	L.L.
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SHEET TITLE:
HAVC FLOOR PLAN
HVAC ROOF PLAN

PROJECT:
DRAGON GATE EXPRESS T.I.
RESTAURANT
17812 BELLFLOWER BLVD., #A
BELLFLOWER, CA 90706

ISSUE DATE	
1	11/19/03
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Scale:	
Drawn:	G.Y.
Approved:	L.L.
Job:	C03056
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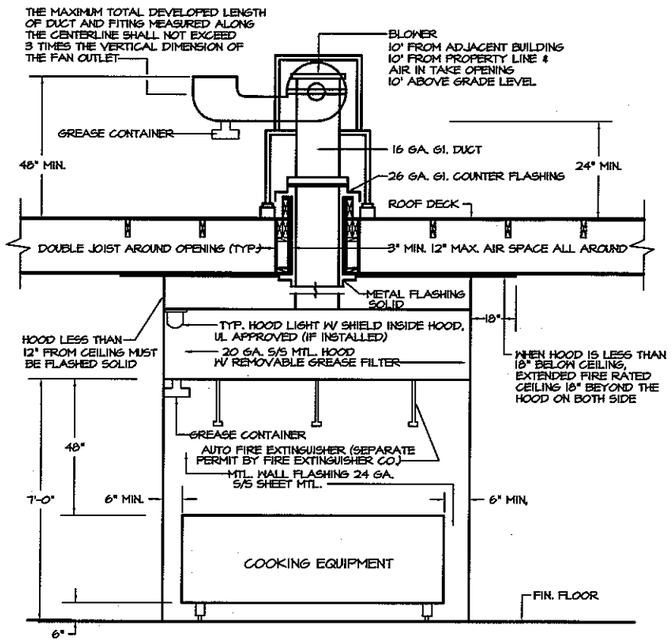

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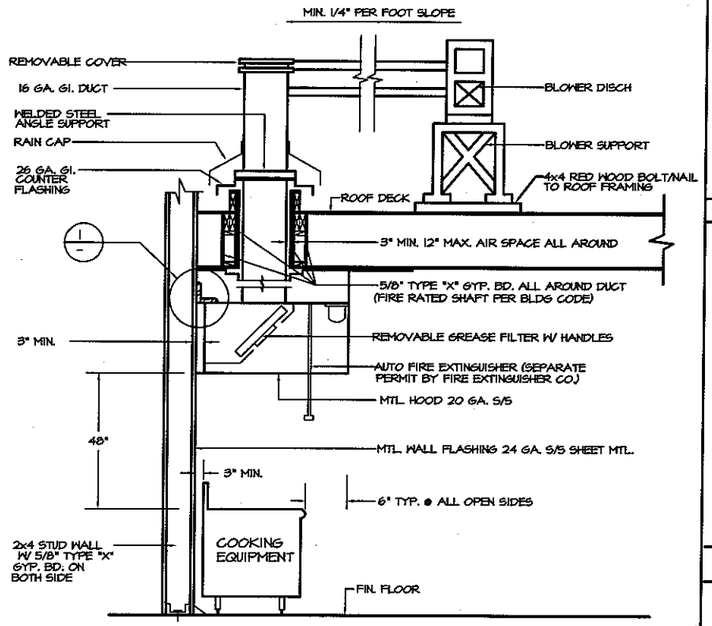
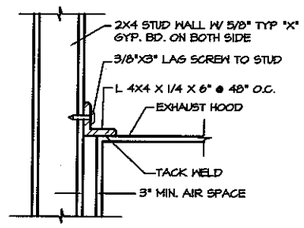


CODE COMPLIANCE OF EXH. HOOD & DUCT (N.T.S.)



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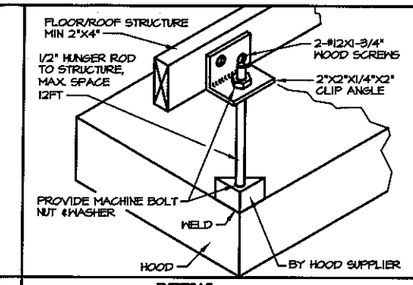

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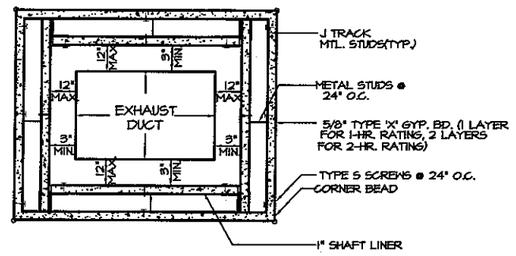
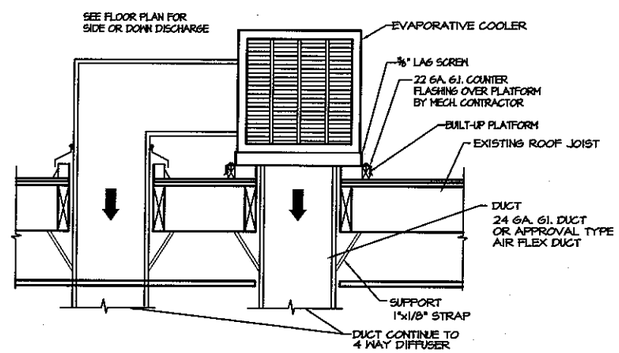


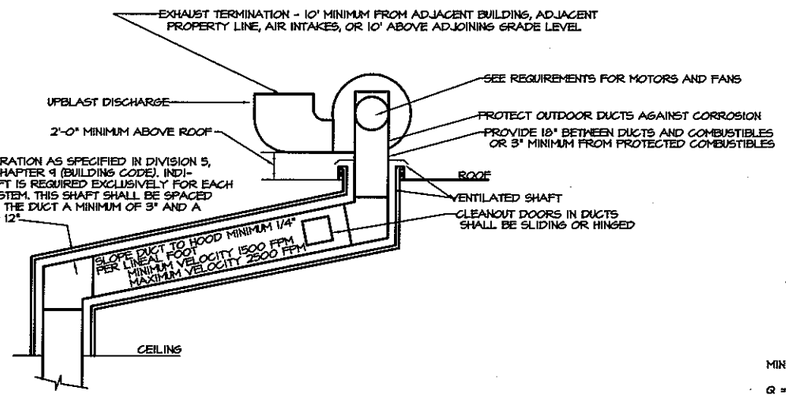
ASSEMBLY NUMBER : WP1000 (1-HR.), WP 7092 (2-HR.)

SHAFT DETAIL (N.T.S.)

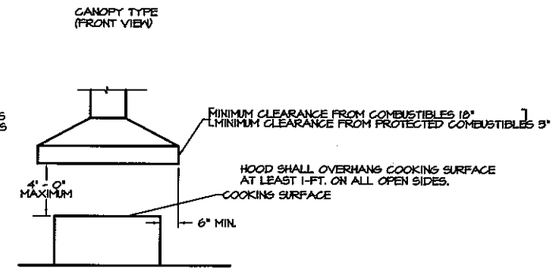


SECTION OF MAKE UP AIR (N.T.S.)

(FOR REFERENCE ONLY)



INFORMATIONAL GUIDE FOR COMMERCIAL COOKING HOODS



GENERAL

1. NO VIBRATION ISOLATION CONNECTORS SHALL BE INSTALLED UNLESS ACCEPTABLE TO THE DEPARTMENT.
2. PROVIDE ADEQUATE CLEANOUT OPENINGS FOR THOROUGH CLEANING OF DUCT SYSTEM.
3. PROVIDE ADEQUATE MAKE-UP AIR FOR PROPER OPERATION.
4. PROVIDE A SEPARATE DUCT SYSTEM FOR EACH HOOD (SEE EXCEPTION).
5. THICKNESS OF DUCTS SHALL BE:

DUCT AREA	U.S. GAGE STEEL
UP TO 4 SQ. FT.	16 GA.
OVER 4 SQ. FT.	14 GA.

6. WELD OR BRAZE ALL DUCT JOINTS AND SEAMS ON THE EXTERNAL SURFACE.
7. SUPPORT THE DUCTS AS REQUIRED BY TABLE 6 E. DO NOT PENETRATE DUCT WALLS WITH SCREWS, NAILS, ETC..
8. SECTIONS OF DUCT SHALL NOT CONTAIN GREASE POCKETS.

CANOPY TYPE

MINIMUM VOLUME OF AIR EXHAUSTED

Q = 100A OR 50PD

A = SQ.FT. SURFACE AREA OF HOOD

P = FT. OPEN PERIMETER OF HOOD (DISTANCE AROUND)

D = FT. DISTANCE FROM LOWER LIP OF HOOD TO COOKING SURFACE

Q = CUBIC FEET PER MINUTE

GENERAL - FOR ALL HOODS

GALVANIZED OR STAINLESS STEEL TO BE MINIMUM NO. 20 U.S. GAGE OR 24 OZ. COPPER.
WHEN GUTTERS ARE PROVIDED THEY SHALL DRAIN TO A COLLECTING PAN WHICH IS READILY ACCESSIBLE FOR CLEANING
SEE TABLE 5-A FOR MINIMUM DISTANCE BETWEEN LOWER EDGE OF GREASE FILTER AND THE COOKING OR HEATING SURFACE.

GREASE FILTERS SHALL BE OF STEEL CONSTRUCTION AND READILY ACCESSIBLE FOR CLEANING.

ALL JOINTS AND SEAMS SHALL BE GREASE TIGHT.

HOODS SHALL BE SECURELY FASTENED IN PLACE BY INCOMBUSTIBLE SUPPORTS.

(FOR REFERENCE ONLY)

INFORMATION GUIDE (N.T.S.)

GREASE HOOD SYSTEM CALCULATION:

1. TYPE : CANOPY TYPE I, STAINLESS STEEL 22 GAUGE,
2. COOKING EQUIPMENT
   HOOD #1 DEEP FRYER, 2 BURNER RANGE, GRIDDLE
3. SIZE: 12'-0" x 4'-0"
4. MIN. REQ'D CAPACITY CFM
   48 x 100 CFM = 4,800 CFM
5. PROPOSED (1) EXHAUST FAN & (1) MAKE-UP AIR
   EF-1(4,800CFM); MA-1 (4,800 CFM)
6. EXHAUST DUCT SIZE:
   16"x24"
7. EXHAUST VELOCITY @ EXHAUST DUCT
   4800/(16x24/144)= 1800 FPM
   1500FPM < 1800 FPM < 2500FPM
8. EXHAUST FAN AND MAKE-UP AIR UNIT SHALL BE ELECTRICALLY INTERLOCKED AS FOLLOW:

EXHAUST FAN	MAKE-UP AIR
EF-1	MA-1

9. FOR CODE COMPLIANCE SEE DETAIL
10. FILTER SIZE: 20"x20"x2"
    NO. OF FILTERS: 7
11. FILTER VELOCITY: 4800 CFM / 7 = 686 CFM PER FILTER
    686 CFM / 2.78 SF = 247 FPM

HOOD II (EXISTING)
32' X 4' = 128 SF
128 X 100 CFM = 12,800 CFM
EXISTING PROPOSED (3) EXHAUST FAN & MUA
EF---(4,260 CFM)
MA---(4,260 CFM)
4,260 / (14.4X24/144) = 1,826 FPM
1,500 FPM < 1,826 FPM < 2,500 FPM
EF (EXISTING) SHALL BE ELECTICALLY INTERLOCKED WITH MA (EXISTING)

REGISTERED PROFESSIONAL ENGINEER MARK Y. CHAN No. M 24241 Exp. 09-30-05 MECHANICAL STATE OF CALIFORNIA

REVISIONS	BY
1 HEALTH 01/19/04	LL
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SHEET TITLE: CODE COMPLIANCE DWGS & DETAILS

PROJECT:
DRAGON GATE EXPRESS T.I.
RESTAURANT
17812 BELLFLOWER BLVD., #A
BELLFLOWER, CA 90706

ISSUE DATE
1 11/19/03
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Approved: L.L.
Job: C03058
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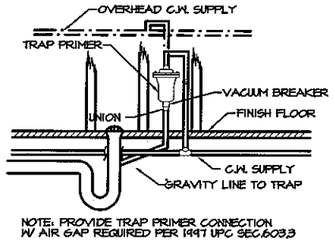
PIPE MATERIAL SCHEDULE

SERVICE	UNDERGROUND	ABOVE GROUND
COLD & HOT WATER	HARD DRAWN COPPER TUBE TYPE "K" OR "L"	HARD DRAWN COPPER TUBE TUBE "L"
SANITARY WASTE	CAST IRON OR ABS	"NO-HUB" CAST IRON OR ABS
SANITARY VENT	CAST IRON OR ABS	GALV. STEEL, SCHEDULE 40/ "NO-HUB" CAST IRON OR ABS
GAS	——	BLACK STEEL, SCHEDULE 40
INDIRECT DRAIN	——	HARD DRAWN COPPER TUBE TYPE "M"



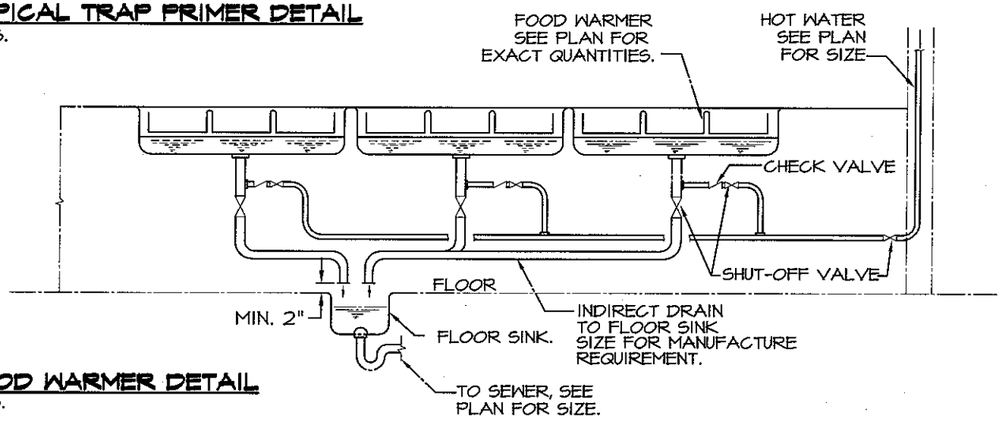
NOTE: PROVIDE TRAP PRIMER CONNECTION W/ AIR GAP REQUIRED PER 1997 UPC SEC.603.3

TYPICAL TRAP PRIMER DETAIL
N.T.S.

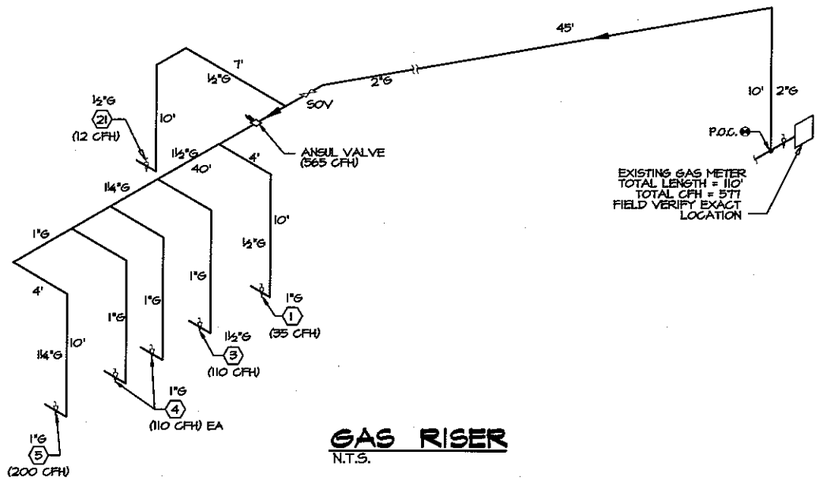
PLUMBING FIXTURE SCHEDULE ◇

SYMBOL	FIXTURE TYPE	PIPE CONNECTION WASTE	TRAP	VENT	CW	HW	DESCRIPTION
WC	WATER CLOSET (DISABLED)	4"	INT	2"	3/4"	——	FLOOR MOUNTED, FLUSH VALVE A/S "CADET" 1TH EL 1.6/F.V, #3043.102 1.6 GALLON, ELONGATED OPEN FRONT WITHOUT COVER.
L	LAVATORY (DISABLED)	2"	1-1/2"	1-1/2"	1/2"	1/2"	WALL HUNG, A/S "LUCERNE" #0355.012 FAUCET: CHICAGO FAUCENT #802A
S	HAND SINK	2"	1-1/2"	1-1/2"	1/2"	1/2"	S/S WALL MOUNTED "CROWNE" 1515 STAINLESS STEEL
FS	FLOOR SINK	3"	3"	2"	——	——	FULL GRATE, "COMEROLL ENAMELING" MODEL:906
FS 2	FLOOR SINK	2"	2"	1-1/2"	——	——	1/2 GRATE "COMEROLL ENAMELING" MODEL:906
FD	FLOOR DRAIN	2"	2"	1-1/2"	——	——	"J.R. SMITH" 2005 TAPPED WITH TRAP PRIMER
HB	HOSE BIBB	——	——	——	3/4"	3/4"	WALL MOUNTED W/NON-REMOVABLE VACUUM BREAKER
GI	GREASE INTERCEPTOR	4"	——	2"	——	——	750 GAL. CAPACITY LOCAL APPROVED GREASE INTERCEPTOR.

◇ PROVIDED & INSTALLED BY PLUMBING CONTRACTOR



FOOD WARMER DETAIL
N.T.S.



GAS RISER
N.T.S.

PLUMBING GENERAL NOTES

1. THE PLUMBING SYSTEM SHALL COMPLY WITH THE 2001 CALIFORNIA PLUMBING CODE.
2. DRAWING AND SPECIFICATIONS GOVERN WHERE THEY EXCEED CODE REQUIREMENTS.
3. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF UTILITIES AT POINT OF CONNECTION BEFORE START OF TRENCHING.
4. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUMBING FIXTURES.
5. ALL UNDERGROUND SHUT OFF VALVES OUTSIDE OF BUILDING SHALL BE IN CONCRETE BOXES WITH THE NAME OF THE SERVICE CASTED IN THE COVER.
6. ALL PLUMBING FIXTURES AND EQUIPMENT SHALL HAVE ISOLATING VALVES ON WATER SUPPLY LINES. VALVE SHALL BE LINE SIZE, UNLESS NOTED OTHERWISE.
7. ALL PLUGGED TEES AND PLUGGED WYES SHALL BE LINE SIZE, UNLESS NOTED OTHERWISE.
8. ALL PIPING PENETRATING WALL, CEILING, AND FLOOR SHALL BE ISOLATED FROM BUILDING STRUCTURES WITH RESILIENT SEALS.
9. RUN ALL INDOOR PLUMBING PIPING CONCEALED IN WALL OR ABOVE CEILING, UNLESS NOTED OTHERWISE.
10. PROVIDE DIELECTRIC UNIONS AT BIMETALLIC PIPE JOINTS.
11. PROVIDE CHROME PLATED CAPS FOR WALL CLEANOUTS.
12. WASTE LINE SHALL BE SLOPED NOT LESS THAN 1/4" PER FT. IN THE DIRECTION OF FLOW.
13. ALL VALVES AND COCKS SHALL BE LOCATED TO BE READILY ACCESSIBLE. WHERE VALVES ARE INSTALLED WITHIN OR BEHIND WALLS OR CEILING, ACCESS PANEL SHALL BE INSTALLED.
14. INSULATED ALL EXPOSED WASTE & HOT WATER LINES UNDER HANDDICAPPED LAVATORIES.
15. EACH VENT SHALL TERMINATE NOT LESS THAN 10 FT. FROM, OR AT LEAST 3 FT. ABOVE ANY WINDOW, DOOR, OPENING AIR INTAKE OR VENT SHAFT, NOR LESS THAN 3 FT. IN EVERY DIRECTION FROM ANY LOT LINE, ALLEY AND STREET EXCEPTED.
16. EACH VENT SHALL TERMINATE NOTE LESS THAN 10 FT. FROM OR AT LEAST 3 FT. ABOVE ANY WINDOW, DOOR, OPENING AIR INTAKE OR VENT SHAFT, NOR LESS THAN 3 FT. IN EVERY DIRECTION FROM ANY LOT LINE, ALLEY AND STREET EXCEPTED.

FIXTURE UNIT SUMMARY

SERVICE	OLD F.U.	NEW F.U.	TOTAL F.U.
DOMESTIC WATER	18	18	36
SANITARY SEWER	17	24	41

SERVICE REQUIREMENTS

SERVICE	SIZE MAIN	CAPACITY
DOMESTIC WATER	(E)1½ INCH	23 GPM
SANITARY SEWER	(E)4 INCH	41 F.U.
FUEL GAS	2 INCH	577 CFH

WATER PIPE SIZING CHART

PIPE SIZE	GPM	VELOCITY FT/SEC	FIXTURE UNITS F - TANK		F - VALVE	
1/2"	2.5	3.5	2 F.U. @ 6.0	psi	F.U. @	psi
3/4"	6.6	4.4	8 F.U. @	psi	F.U. @	psi
1"	13.4	5.2	19 F.U. @	psi	F.U. @	psi
1 1/4"	23.3	5.9	37 F.U. @	psi	6 F.U. @	psi
1 1/2"	36.1	6.6	74 F.U. @	psi	23 F.U. @	psi
2"	76.4	7.9	254 F.U. @	psi	192 F.U. @	psi

* BACKFLOW PREVENTER MODEL: EXISTING SIZE ___ N/A
** PRESSURE REGULATING VALVE MODEL: N/A SIZE ___ N/A

NOTE:

DRAWINGS ARE ONLY AN APPROXIMATION OF EXISTING CONDITIONS, CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS & EXTENT OF NEW WORK TO BE COMPLETED BEFORE SUBMITTING BIDS.

PLUMBING LEGEND

SYMBOL	ABBREV.	DEFINITION
———	S OR W	SANITARY SEWER OR WASTE ABOVE GRADE(OR FLOOR)
– – – –	S OR W	SANITARY SEWER OR WASTE BELOW GRADE(OR FLOOR)
– – V – –	V	SANITARY VENT
——D——	D	INDIRECT DRAIN
— · — · —	CW	DOMESTIC COLD WATER
— · · — · · —	HW	DOMESTIC HOT WATER
— · · · — · · · —	HWR	DOMESTIC HOT WATER RETURN
— G —	G	NATURAL GAS
– –⏀– –	COTG	CLEANOUT TO GRADE
——⏀——	FCO	FLOOR CLEANOUT
——⏀——	WCO	WALL CLEANOUT
——●——	WHA	WATER HAMMER ARRESTOR
—⋈—	GV	GATE VALVE
—⋈—	GLV	GLOBE VALVE
—⊢—	STR	STRAINER
—‖—	U	UNION
—▽—		GAS OR GATE COCK
⊗	POC	POINT OF CONNECTION
WC - 1		PLUMBING FIXTURE DESIGNATION
(#)		PLUMBING EQUIPMENT DESIGNATION
FD	FD	FLOOR DRAIN
FS	FS	FLOOR SINK
(E)	EXIST'G	EXISTING
(N)		NEW
	AP	ACCESS PANEL
	CFM	CUBIC FEET PER HOUR
	CONT.	CONTINUATION
	DN.	DOWN
	GPM	GALLONS PER MINUTE
	IE	INVERT ELEVATION
	MAX.	MAXIMUM
	MECH	MECHANICAL
	MIN.	MINIMUM
	PLBG	PLUMBING
	TEMP.	TEMPERATURE
	TYP.	TYPICAL
	VCP	VITRIFIED CLAY PIPE
	VTR	VENT THROUGH ROOF
	W	WITH
	YB	YARD BOX
	FV	FLAT VENT
	RPPBFP	REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER

NON-RESIDENTIAL ENERGY CONSERVATION STANDARDS NOTE :

1. PIPING INSULATION SHALL COMPLY WITH CEC BUILDING ENERGY EFFICIENCY STANDARD.
2. ALL PLUMBING EQUIPMENT SHALL BE CERTIFIED PER CEC BUILDING EFFICIENCY STANDARD.
3. THE "MANDATORY MEASURES" OF THE ENERGY EFFICIENCY STANDARD HAVE BEEN REVIEWED AND THE DESIGN, DRAWINGS AND CALCULATIONS COMPLY WITH THESE STANDARDS.

REGISTERED PROFESSIONAL ENGINEER — PHILIP Y. CHAO — No. M 24241 — Exp. 09-30-06 — MECHANICAL — STATE OF CALIFORNIA

REVISIONS	BY
1 HEALTH 01/19/04	L.L.
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SHEET TITLE: PLUMBING LEGEND, NOTE, SCHEDULE & DETAIL

PROJECT:
DRAGON GATE EXPRESS T.I. RESTAURANT
17012 BELLFLOWER BLVD., #A
BELLFLOWER, CA 90706

ISSUE DATE
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Job: C03058
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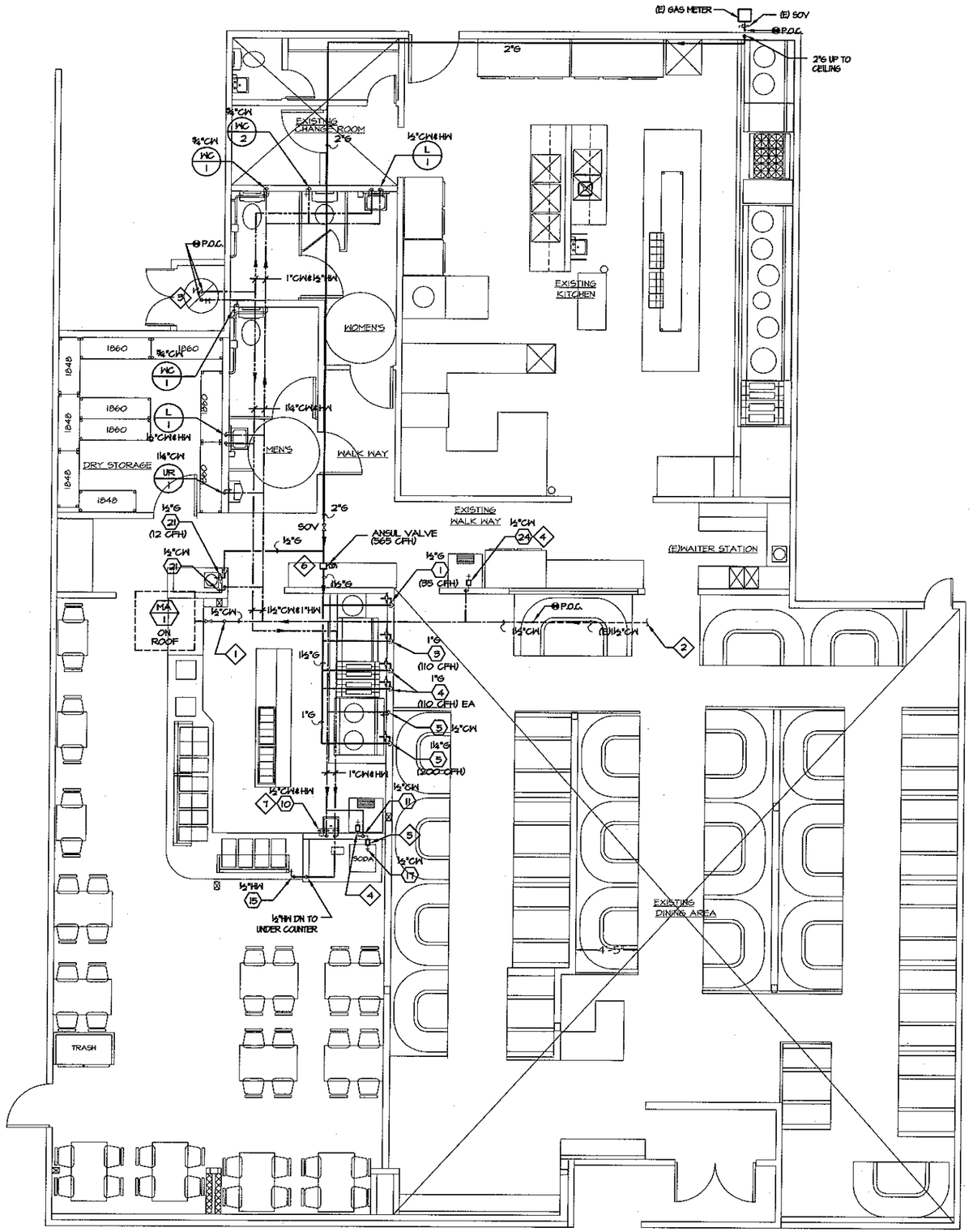

WATER & GAS PLAN

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

KEY NOTES:

1. ½"CW UP THRU ROOF TO TMO MAKE-UP AIR UNIT. WITH MAIN SOV. ON ROOF
2. EXISTING 1½"CW TO EXISTING COLD WATER SYSTEM, FIELD VERIFY EXACT LOCATION & SIZE.
3. 1½"CW & HW UP FROM EXISTING GWH-1
4. PROVIDE WATER BACKFLOW PREVENTER FOR ICE MACHINE.
5. POTABLE WATER SUPPLY TO CARBONATORS/SODA DISPENSOR SHALLL BE PROTECTED BY THE LISTED REDUCED PRESSURE PRINCIPLE BACK FLOW PREVENTER AS APPROVED BY THE ADMINISTRATIVE AUTHORITY FOR THE SPECIFIC USE. "WATTS", ½" No 009.
6. PROVIDE AUTO SHUT-OFF VALVE IN CEILING FOR COOKING AREA.
7. ¾"CW&HW DN. ¾"CW&HW TO HOSE BIBB ½"CW&HW TO HAND SINK

FIXTURE UNIT SCHEDULE

FIXTURE	QTY	WATER FU EACH	WATER FU TOTAL
WC 1 WATER CLOSET	3	2.5	7.5
L 1 LAVATORY	2	1	2
S 1 HAND SINK	1	1	1
HB 1 HOSE BIBB	1	2.5	2.5
IM 1 ICE MAKER	1	1	1
WR 1 WOK RANGE	1	1	1
FW 1 FOOD WARMER	1	1	1
21 WATER BOILER	1	1	1
MAKE UP AIR	1	1	1
TOTAL			18

GAS EQUIPMENT SCHEDULE

ITEM	QTY	EQUIPMENT	1000BTU EACH	CFH EACH	CFH TOTAL
1	1	RICE COOKER	35	35	35
3	1	36" GRIDDLE	110	110	110
4	2	DEEP FRYER	110	110	220
5	1	2-BURNER WOK RANGE	200	200	200
21	1	WATER BOILER	12	12	12
TOTAL					577

REGISTERED PROFESSIONAL ENGINEER HANK Y. GAO No. M 24241 Exp. 09-30-06 MECHANICAL STATE OF CALIFORNIA

REVISIONS	BY
1 HEALTH 01/19/04	L.L.
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· Tel:(909)396-8166 · Fax:(909)396-8164 ·
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SHEET TITLE: WATER & GAS PLAN

PROJECT:
DRAGON GATE EXPRESS T.I.
RESTAURANT
17812 BELLFLOWER BLVD., #A
BELLFLOWER, CA 90706

ISSUE DATE
1 11/19/03
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Scale: S.C.
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Approved:
Job: C03058

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GENERAL NOTES

1. THE ELECTRICAL DRAWINGS, SPECIFICATIONS AND GENERAL NOTES DESCRIBE THE RECOMMENDED SCOPE OF WORK AND THE DOCUMENTS SHALL BE USED FOR THE PURPOSE OF BIDDING, BUILDINGS DEPARTMENT REVIEW, AND TO SECURE THE NECESSARY CONSTRUCTION PERMIT ONLY. CONTRACTOR SHALL PROVIDE CONSTRUCTION DRAWINGS AND OBTAIN WRITTEN APPROVAL OF ALL INSPECTION AUTHORIZED GOVERNMENTAL AGENCIES AND UTILITY COMPANIES PRIOR TO START OF AFFECTED WORK.

2. CONTRACTOR SHALL PROVIDE CONSTRUCTION AND SHOP DRAWINGS BASED ON THESE DRAWINGS, SPECIFICATIONS AND ADDITIONAL DESIGN CRITERIAS FURNISHED BY OWNER AND SUBMIT TO ARCHITECT. CONTRACTOR SUBMIT CONSTRUCTION DRAWINGS TO ALL GOVERNMENTAL AGENCIES AND UTILITY COMPANIES HAVING JURISDICTION INCLUDING POLICE AND FIRE DEPARTMENT FOR THEIR REVIEW AND APPROVAL FOR CONSTRUCTION.

3. CONTRACTOR'S BID SHALL NOT BE LIMITED TO THE WORK SHOWN ON THE PLANS AND SPECIFICATIONS. ALL PREMIUM OVERTIME COSTS, UTILITY CHARGES, COST FOR TEMPORARY UTILITY SERVICES, ALTERATION, DEMOLITION AND EXTENSIONWORKS, PLANCHECK/INSPECTION FEES, MISCELLANEOUS CONTINGENCY COSTS, ETC., SHALL BE INCLUDED IN THE BID.(THE CONTINGENCY COST SHALL NOT BE LESS THAN 25% OF OVERALL ELECTRICAL BID. CONTRACTOR SHALL IDENTIFY THE CONTINGENCY AMOUNT IN BID DOCUMENT)

4. ALL EQUIPMENT SHOWN IS NEW, CONTRACTOR FURNISHED AND INSTALLED, UNLESS OTHERWISE NOTED. IF CONTRACTOR PROPOSED TO SUBSTITUTE FOR EQUIPMENT SPECIFIED, HE SHALL SUBMIT HIS REQUEST FOR CONSIDERATION TO THE OWNER AND ENGINEER PRIOR TO THE BID IN WRITING. ALL SUBSTITIONS MUST BE REVIEWED BY THE ENGINEER. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS OWN EXPENSE FOR ANY CHANGE RESULTING FROM HIS PROPOSED SUBSTITIONS WHICH AFFECT OTHER PARTS OF HIS OWN WORK OR SUBSTITUTIONS WHICH AFFECT OTHER PARTS OF HIS OWN WORK OR THE WORK OF OTHER CONTRACTORS.

5. THE ELECTRICAL DRAWINGS, CONDUIT RUNS, WIRINGS AND ELECTRICAL INFORMATIONS ARE DIAGRAMMATIC ONLY. DO NOT SCALE THE ELECTRICAL DRAWINGS TO DETERMINE THE LOCATION OF EQUIPMENT OR OUTLETS.

6. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL LIGHTING FIXTURES, CEILING MOUNTED OUTLETS AND EQUIPMENTS.

7. ALL RECEPTACLES AND OUTLETS MOUNTING HEIGHTS AND EXACT LOCATION SHALL BE COORDINATED WITH ARCHITECTURAL DRAWINGS ELEVATIONS PRIOR TO ROUGH-IN WORK.

8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY TYPES OF CEILING SYSTEM AND TO FURNISH APPROVED LIGHTING FIXTURES OF THE TYPE REQUIRED FOR MOUNTING IN RELATED CEILINGS. FIXTURES SHALL BE COMPLETED WITH NECESSARY MOUNTING HARDWARE AND ACCESSORIES. FIXTURES LOCATED IN DAMP OR WET LOCATIONS SHALL BE LABELED FOR USE IN SUCH LOCATIONS.

9. ALL RECESSED LIGHTING FIXTURES, PANELBOARDS, SWITCHES, ETC., MOUNTED IN FIRE RATED STRUCTURES SHALL BE ENCLOSED WITH AN APPROVED ENCLOSURE CARRYING THE SAME FIRE RATING AS THE STRUCTURE.

10. PORTIONS OF THE CEILING SYSTEMS MAY BE INACCESSIBLE. THEREFORE, THE CONTRACTOR SHALL STRATEGICALLY LOCATE ACCESS BOXES, ETC., WHICH SHALL BE READILY ACCESSIBLE. ALL LIGHTING FIXTURE WIRING, BALLASTS, J-BOXES, ETC. SHALL BE ACCESSIBLE FROM FIXTURE OPENING.

11. ALL WIRING AND ELECTRICAL EQUIPMENT INSTALLED FOR MECHANICAL AND PLUMBING EQUIPMENT SHALL BE IN ACCORDANCE WITH DIVISION 15 AND ASSOCIATED DRAWIGS. CONTRACTOR OBTAIN THE REQUIRED MECHANICAL AND PLUMBING DRAWINGS AND PROVIDE ALL EQUIPMENTS, RACEWAYS, WIRINGS, ETC., AS INDICATED THEREON AS PROVIDED UNDER THE ELECTRICAL WORK.

12. ALL FINAL CONNECTIONS TO OWNER FURNISHED EQUIPMENT SHALL BE MADE BY THE CONTRACTOR UNLESS OTHERWISE NOTED. VERIFY ELECTRICAL CHARACTERISTICS AND U.L. LISTING PRIOR TO CONNECTION.

13. THE CONTRACTOR SHALL VERIFY THE LOAD INPUT VOLTAGE OF ALL EQUIPMENT PRIOR TO INSTALLATION. ACCEPTING ANY EQUIPMENT RESULT IN LOAD INCREASE SHALL BE THE RESPONSIBILITY OF CONTRACTOR.

14. ELECTRICAL OUTLETS ON OPPOSITE SIDES OF FIRE RATED WALLS AND PARTITIONS MUST BE SEPARATED BY DISTANCE OF 24 IN. HORIZONTALLY, IN ACCORDANCE WITH U.B.C. SEC. 711.3.2. OPENINGS IN FIRE RATED WALLS GREATER THAN 16 SQ. IN. MUST BE FIRE STOPPED.

15. PROVIDE AN ADDITIONAL JUNCTION BOX (SIZE AS REQUIRED) WHERE THE NUMBER OF CONDUCTORS EXCEEDS THE MAXIMUM ALLOWED FOR A GIVEN JUNCTION POINT OR OUTLET.

16. CONDUCTORS SHALL BE COPPER THHN/THWN 600 VOLT INSULATION UNLESS OTHERWISE NOTED. USE PROPER TEMPERATURE RATING OF CONDUCTORS BASED ON THE AMBIENT AIR TEMPERATURE WHERE CONDUCTORS ARE BEING USED. HIGHER AMPACITY CONDUCTOR AND LARGER RACEWAY SHALL BE PROVIDED TO OFFSET THE AMPACITY CORRECTION FACTORS AS INDICATED IN NEC TABLE 310 AND ELSEWHERE IN CODE.

17. ALL FLUORESCENT BALLASTS AND LAMPS SHALL BE CALIFORNIA ENERGY COMMISSION(CEC) CERTIFIED ENERGY SAVING TYPE.

18. DO ALL DRILLING, CUTTING, CHANNELING AS REQUIRE TO ELECTRICAL WORK AND INDICATED OR HEREIN SPECIFIED. ALL HOLES, CURBS, ETC., IN FLOORS, CEILINGS AND WALLS SHALL BE PATCHED, UNLESS INDICATED OTHERWISE. PAINT ALL EXPOSED ELECTRICAL RACEWAYS, CABINETS, ENCLOSURES AND FITTING TO MATCH IN COLOR ADJACENT SURFACES IN FINISHED AREAS.

19. SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, CEILINGS, FLOORS, ETC., TO MAINTAIN THE FIRE RATING. FURNISH AND INSTALL FIRE RATED ENCLOSURE FOR ALL EQUIPMENTS PENETRATING INTO FIRE RATED ENVELOPS, SPACES ETC.

20. EMERGENCY LIGHTING SHALL BE PROVIDED PER U.B.C. AND SHALL BE DESIGN TO PROVIDE MINIMUM REQUIRE FOOTCANDLES AND LUMENS. PROVIDE ADDITIONAL EMERGENCY ILLUMINATION AS REQUIRED BY INSPECTION AUTHORITIES HAVING JURISDICTIONS.

21. ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA. (NON HEALTH CARE FACILITY INCLUDE OSHPD NOTES FOR HEALTH CARE FACILITY)

FIXED EQUIPMENT ON GRADE	33% OF OPERATING WEIGHT
FIXED EQUIPMENT ON STRUCTURE	50% OF OPERATING WEIGHT
EMERGENCY POWER AND COMMUNICATION EQUIPMENT ON GRADE	50% OF OPERATING WEIGHT
EMERGENCY POWER AND COMMUNICATION ON STRUCTURE	75% OF OPERATING WEIGHT

FOR FLEXIBLE MOUNTED EQUIPMENT USE 2 X THE ABOVE VALUES. SIMULTANEOUS VERTICAL FORCE = USE 1/3 X HORIZONTAL FORCE.

CONDUIT, BUSDUCT, CABLE TRAY, WIREWAYS, ETC., SHALL BE BRACED IN A ACCORDANCE WITH 'GUILDELINE', PUBLISHED BY SMACNA AND PPIC.

22. BRANCH CONTROL CIRCUITING AND WIRE COUNT MAY NOT BE INDICATED ON THESE PLANS. CONTRACTOR IS RESPONSIBLE TO COMPLETE THE BRANCH CIRCUIT WIRING IN ACCORDANCE WITH PLAN NOTES AND AS PERMITTED BY AUTHORITY. CONTRACTOR SHALL SUBMIT AS-BUILT DRAWINGS AS A PART OF RECORD DRAWING SUBMITTAL TO ARCHITECT AND AUTHORITY HAVING JURISDICTION (AHJ).

23. ALL EXISTING UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR OTHERS AND THOSE SHOWN ON THESE DRAWINGS ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK ON THE UTILITIES OR STRUCTURE.

24. COORDINATE ALL PHASES OF CONSTRUCTION AND OBTAIN APPROVAL OF WORK SCHEDULE, SHUTDOWN, CUTOVER, OVERTIME WORK, ETC. WITH BUILDING ENGINEER OR OWNER. PROVIDE ALL TEMPORARY SERVICE, STANDBY GENERATOR, 24 HOURS FIRE WATCH, ETC. AS REQUIRED TO MAINTAIN UNINTERRUPTED FACILITY OPERATION DURING CONSTRUCTION WORK.

25. THE CONTRACTOR AGREE THAT, IN ACCORANCE WITH GENERALLY CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT AT ALL TIME. CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH PERFORMANCE OF WORK ON THIS PROJECT.

26. ELECTRICAL INSTALLATION SHALL COMPLY WITH NATIONAL ELECTRICAL CODE (2002 NEC) ADAPTED BY THE JURISDICTION AND ANY LOCAL SUPPLEMENT.

SYMBOLS AND NOTES

- EMERGENCY LIGHT WITH 90 MINUTE BATTERY PACK
- SHADED OUTLET INDICATE FIXTURE WITH 90 MINUTE BATTERY PACK
- SELF CONTAINED EXIT SIGN WITH 90 MINUTES BATTERY BACKUP, PROVIDE LOW LEVEL EXIT SIGN AS REQUIRED BY FIRE DEPARTMENT OR U.B.C.

A. NOTES: 1. FIXTURE TYPE TO BE SELECTED BY ARCHITECT
2. FIXTURE SHALL HAVE MINIMUM 25 LUMENS/WATT EFFICIENCY REQUIRED BY CALIFORNIA ENERGY COMMISSION (C.E.C.)
3. BALLAST AND LAMP SHALL BE ENERGY SAVING TYPE CERTIFIED BY CALIFORNIA ENERGY COMMISSION (C.E.C.)

- S — SINGLE POLE TOGGLE SWITCH 20 AMP, 120 V
- S_3 — THREE WAY SWITCH 20 AMP, 120 V
- S_4 — FOUR WAY SWITCH 20 AMP, 120 V
- (S) — DIMMER SWITCH 1800 WATTS, 15 AMP MINIMUM, 120 V

(HEIGHT AS REQUIRED FOR ADA BETWEEN 36"-48"AFF)

- SM — MOTOR RATED SWITCH H.P. RATED
- SINGLE RECEPTACLE, NEMA RATING AS NOTED
- DUPLEX RECEPTACLE 20 AMP, 120.V GROUNDING TYPE. I.G. TYPE.
- DOUBLE DUPLEX RECEPTACLE 20 AMP GROUNDING TYPE I.G. TYPE.

(HEIGHT AS REQUIRED FOR ADA BETWEEN 15"-48"AFF)

- CEILING MOUNED DUPLEX RECEPTACLE, SAME AS ABOVE
- CEILING MOUNTED DEVICES FOR CASH PODS AND PRODUCT ISLAND. REFER TO ARCHITECTURAL FOR EXACT LOCATION
- P.D.S. DATA OUTLET TO DATA TERMINAL AND TELEPHONE OUTLET WITH 3/4" CONDUIT TO TEL BACKBOARD
- P.D.S. DATA OUTLET WITH 3/4" CONDUIT TO DATA TERMINAL
- TELEPHONE OUTLET WITH 3/4" CONDUIT TO TELEPHONE BACKBOARD
- FLOOR TYPE DUPLEX RECEPTACLE 20A GROUNDING TYPE
- TV — CLOSED CIRCUIT TELEVISION ANTENNA OUTLET
- MOTOR OR CEILING EXHAUST FAN
- JUNCTION BOX TO SUIT THE FIELD CONDITIONS

(HEIGHT AS REQUIRED FOR ADA BETWEEN 15"-48"AFF)

B. NOTES: 1. SUBSCRIPT LETTER NEXT TO THE ABOVE SYMBOLS INDICATES DEVICE CONTROLLED
2. DEVICES AND COVER PLATE COLOR AS SELECTED BY ARCHITECT, SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF OUTLET, UNLESS NOTED.
3. RECEPTACLES IN BATHROOM, LAUNDRY ROOM, AND KITCHEN SINK AND EXTERIOR LOCATIONS SHALL BE GROUND FAULT TYPE (GFI)

- EMERGENCY CIRCUIT, LOCK ON DEVICE FOR BREAKER SERVING
- SWITCH AND FUSES
- DISCONNECT SWITCH WITH FUSED AS INDICATE
- COMBINATION MAGNETIC STARTER WITH FUSED DISCONNECT
- PUSHBUTTON OPERATOR FOR ELECTRIC DOOR
- 0-2 HR. MANUAL BY-PASS TIMER FOR LTG.,ZONE CONTROL. PROVIDE AS REQUIRED BY C.E.C. FOR ELECTRIC METERED SPACE OF GREATER THAN 5000 S.F.
- M — WATT/HOUR METER SOCKET
- T — TRANSFORMER
- CURRENT TRANSFORMER
- SWITCHBOARD
- PANELBOARD
- TELEPHONE CABINET WITH BACK BOARD

C. NOTES: 1. BREAKERS, SWITCHES, FUSES, METER SOCKETS, AND CURRENT CARRYING DEVICES SHALL BE DESIGNED TO WITHSTAND MAXIMUM AVAILABLE FAULT CURRENT (AFC) ESTABLISHED BY SERVING UTILITY
2. SWITCHBOARDS AND PANELBOARDS BUSSING SHALL BE BRACED TO WITHSTAND MAXIMUM AVAILABLE FAULT

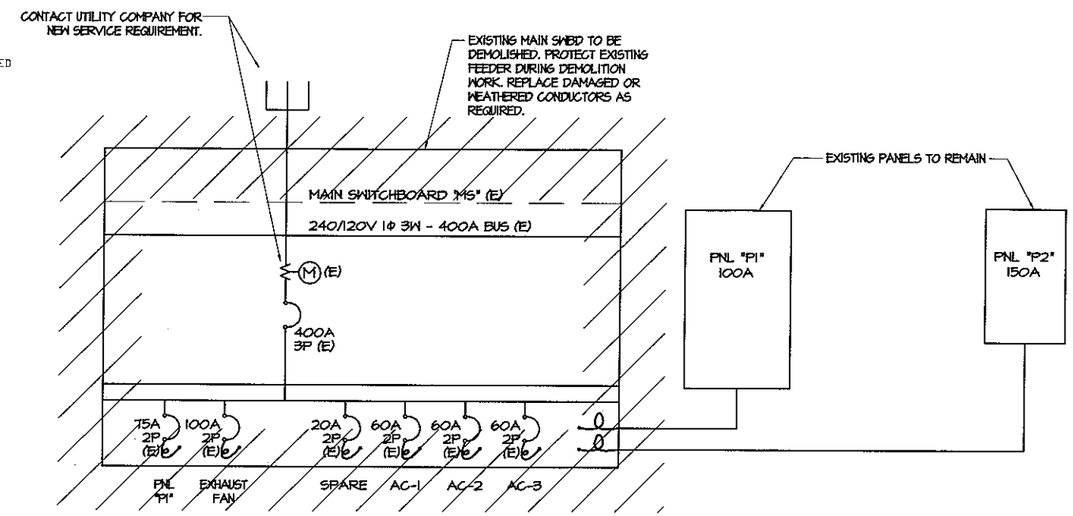
- A-1-3-5 — CONDUIT HOME RUN TO SOURCE INDICATING PANEL "A" CIRCUITS #1, 3 & 5
- CONDUIT RUN CONCEALED IN CEILING SPACE OR IN WALL
- CONDUIT RUN BELOW FLOORS OR IN GRADE
- #10 — HASH MARKS INDICATE QUANTITY OF CONDUCTORS. NO HASH MARK INDICATES 2 #12 AWG. U.O.N. (#10 INDICATES #10 AWG. CONDUCTORS) SIZE OF CONDUIT SHALL BE BASED ON TABLE 1, CHAPTER 9 OF N.E.C. AMD TABLE 3A AND 3B SHALL DETERMINE THE CONDUIT SIZES. MINIMUM CONDUIT SIZE SHALL BE 3/4".
- —T— TELEPHONE CABLES IN CONDUIT
- —TV— TELEVISION ANTENNA CABLES IN CONDUIT
- —D— DATA/COMMUNICATION CABLES IN CONDUIT

D. NOTES:
1. ALL CONDUIT SHALL BE RIGID STEEL OR EMT. FLEXIBLE CONDUIT SHALL BE LIMITED TO 72" FOR FINAL CONNECTION TO LIGHTING FIXTURES OR MOTORS, INCLUDING GROUNDING CONDUCTOR. P.V.C. CONDUIT MAY BE USED ONLY FOR UNDERGROUND, RE-SIZE CONDUIT AS REQUIRED TO INCLUDE GROUNDING CONDUCTOR.
2. CONTRACTOR MAY USE NON METALLIC-SHEATHED CABLES WIRING METHOD (NM) AND (NMC) FOR WIRING WITHIN THE RESIDENTIAL DWELLING UNIT IF PERMITTED BY A INSPECTION AUTHORITY HAVING JURISDICTION.
3. TELEPHONE AND TELEVISION CABLES MAY BE PREWIRED BY LOCAL TEL/COMM/CABLE T.V. COMPANY.

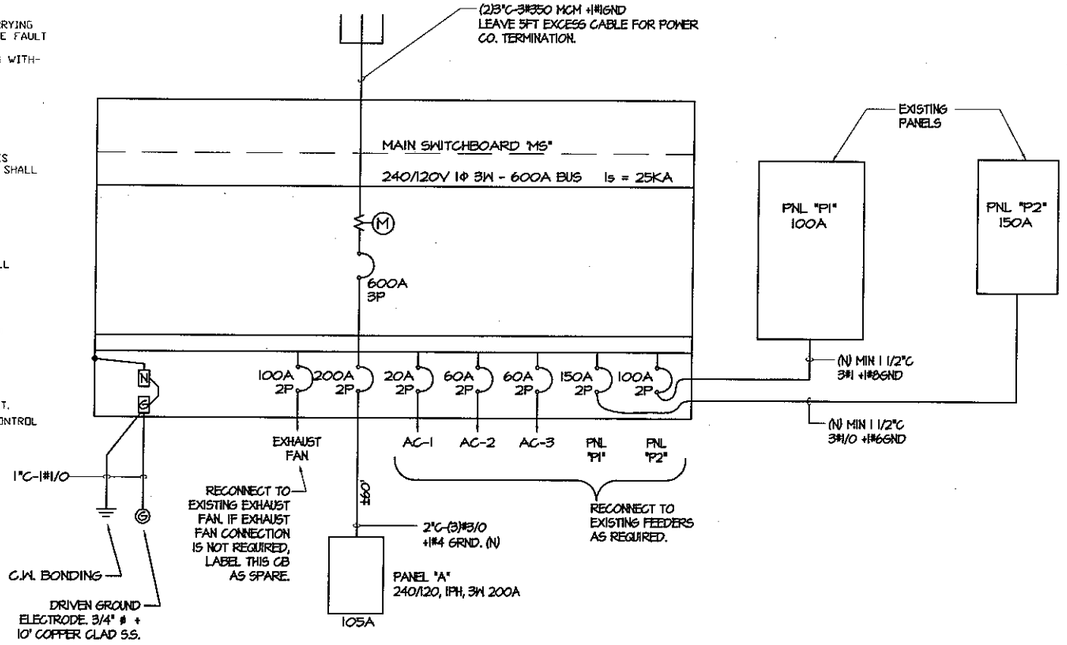
- 20 AMP MECHANICALLY HELD (TWO WIRES CONTROL) RELAY CONTROLLING CKT. INDICATED WITH PROGRAMMABLE TIME SWITCH CONTROLLING COIL. ASSIGN CONTROL CHANNEL AND DURATION.
- NL — NIGHT LIGHT CONTROLLED BY CHANNEL 1
- EL — EVENING LIGHT CONTROLLED BY CHANNEL 2
- DL — DAY LIGHT (INTERIOR LIGHT) CONTROLLED BY CHANNEL 3. PROVIDE CONSTANT CIRCUIT TO EMERGENCY INVERTER, IF ANY.
- AC — AIR CONDITION (24V CIRCUIT) CONTROLLED BY CHANNEL 4
- E — EXISTING
- UON — UNLESS OTHERWISE NOTED
- GFI — GROUND FAULT INTERRUPTER
- DC — DEDICATED CIRCUIT
- +12' — INDICATES MOUNTING HEIGHT FROM FINISHED FLOOR TO CENTER OF DEVICE

NOTICE

THESE DRAWINGS ARE SUBJECT TO AN APPROVAL OF THE BUILDING DEPARTMENT, FIRE MARSHAL, UTILITY COMPANY AND OTHER AGENCIES AUTHORITY HAVING JURISDICTION (AHJ). BY THE ACT OF SUBMITTING A BID PROPOSAL FOR WORK, THE CONTRACTOR HAVE REVIEWED THE PLANS THOROUGHLY AND ACCEPT FULL RESPONSIBILITY OF PLAN CORRECTIONS AND ASSOCIATED CONSTRUCTION COSTS REQUIRED BY AHJ.



EXISTING SINGLE LINE DIAGRAM
N.T.S.



SINGLE LINE DIAGRAM
N.T.S.

REVISIONS	BY
1 HEALTH 01/19/04	LL
2	
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DESIGNER / ENGINEER:
HYC CONSULTING ENGINEERS, Inc.
556 N. Diamond Bar BLVD., # 304 · Diamond Bar, CA 91765
· Tel.(909)396-8166 Fax(909)396-8164 ·
· E-mail:HYC@HYCENGINEER.COM ·

SHEET TITLE: SINGLE LINE DIAGRAM TITLE 24 & NOTES

PROJECT:
DRAGON GATE EXPRESS T.I.
RESTAURANT
17612 BELLFLOWER BLVD., #A
BELLFLOWER, CA 90706

ISSUE DATE
1 11/19/03
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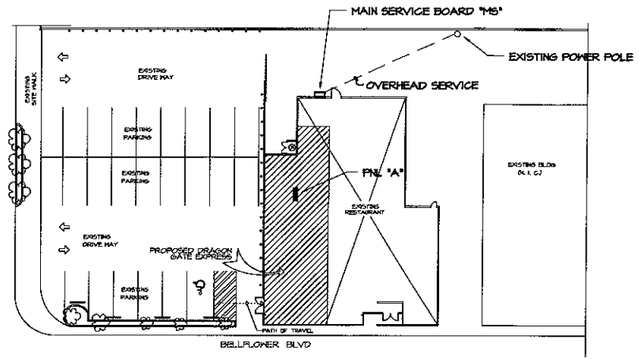
Scale:
Drawn: K.K.
Approved:
Job: C03058
Sheet: E-1
Of Sheets



SITE PLAN
N.T.S.

EQUIPMENT SCHEDULE (ALL EQUIPMENT SHALL BE NSF APPROVED, (E)-EXISTING TO REMAIN)

ITEM	DESCRIPTION	QTY	ELECTRICAL VOLT	AMP	HP	PH	REMARK
7	EXHAUST FAN	2	208		2		SEE "M" DWG FOR DETAIL
8	S/S EXHAUST HOOD W/ENCLOSURE SKIRT TO GL6 & S/S WALL FLASHING	1	115			1	12'-0"L X 4'D, TYPE I HOOD
9	MAKE UP AIR	2	208		1	1	SEE "M" DWG FOR DETAIL
11	ICE MAKER	1	120	13		1	
13	COLD TABLE W/SHELF ABOVE	1	115		3/4	1	6' L X 30" D
14	CASHIER REGISTER	2	115	8		1	SELECTED BY OWNER
15	4-PAN FOOD WARMER	2	240	1.6KW		1	
15A	3-PAN FOOD WARMER	1	240	1.2KW		1	
16	SNEEZE GAURD	1	115	1KW		1	
16A	SNEEZE GAURD	1	115	500W		1	

PANEL "A" (NEW)

240/120V VOLTS, 1 PHASE — 3 WIRE — — TYPE — -- MAIN BKR. SIZE
200 BUS AMPS — FLUSH MOUNTING — 200 MAIN LUG SIZE

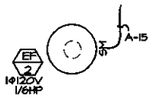
REMARKS	LOAD (VA) @A	@C	LTG	REC	MISC	BKR	CIR		CIR	BKR	MISC	REC	LTG	LOAD (VA) @A	@C	REMARKS
◆② EMER & NIGHT LTS	66		2		2	20/1	1		2	20/1		1		720		⑭ CASHIER REGISTER
◆② DINING & SOFFIT LTS		748	51				3		4	↓		1			720	⑭ CASHIER REGISTER
◆② RESTRM & WALKWAY LTS	570		18				5		6	20/1	1			800		⑮ FOOD WARMER ①
UC NEON LT		480	24FT				7		8	2/--					800	⑮ FOOD WARMER ①
SOFFIT NEON LT	480		24FT				9		10	20/1	1			800		⑮ FOOD WARMER ①
SPARE		--					11		12	2/--					800	⑮ FOOD WARMER ①
SPARE	--						13		14	35/1		1		1567		⑬ COLD TABLE ①
EF-2		506				1	15		16	↓		1			1567	⑬ COLD TABLE ①
EF-1	1380					1 / 20	17		18	20/1		1		800		⑨ HOOD ①
		1380				-- / 2	19		20	20/1					1550	⑪ ICE MAKER ①
MA-1	920					1 / 20	21		22	20/1	1			600		⑯ FOOD WARMER ①
		920				-- / 2	23		24	2/--					600	
HP-1	2771					1 / 45	25		26	20/1	1			1000		⑯ SNEEZE GAURD ①
②		2771				-- / 2	27		28	20/1	1				500	⑯ SNEEZE GAURD ①
SPARE	--					20/1	29		30	20/1	1			200		HCP
↓		--					31		32			4			720	CONV. OUTLETS
ROOF RECEPTACLES	540			3			33		34		1			1200		SIGN
SHOW WINDOW		1200					35		36							SPARE
	1200						37		38							
		1200					39		40							
↓	1200					↓	41		42	↓						↓
TOTAL	6788	6806												7407	7477	TOTAL

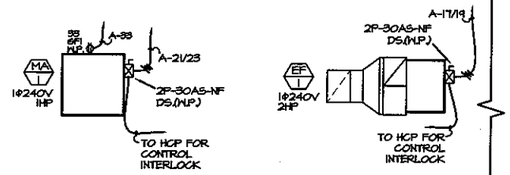
TOTAL CONNECTED (VA)	28,723	FACTOR	DEMAND
A/C OR HEATING (VA) ③	5554	1.00	5554
KITCHEN EQUIPMENT	11,424	0.65	7426
LIGHTING L.C.L.	1374	1.25	1724
REMAINDER	10566	1.00	10566
TOTAL DEMAND (VA)			25270
TOTAL DEMAND AMPS.			105

◆ LOCK ON DEVICE OF BREAKER SERVICES.
① KITCHEN EQUIPMENT
② LIGHTING CONTINUE LOAD
③ 25% OF LARGEST MOTOR IS INCLUDED

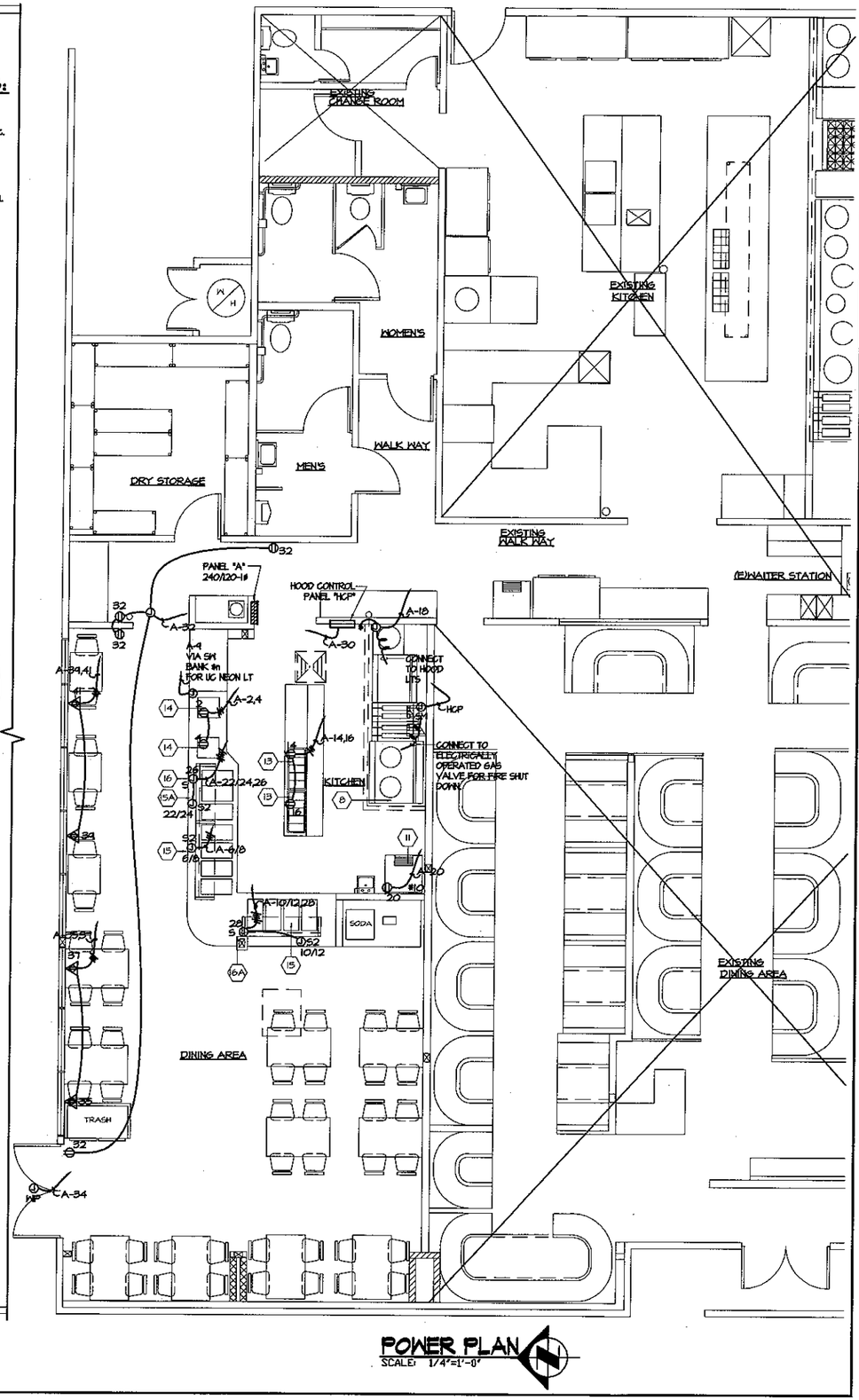
ROOF EQUIPMENT NOTES:

1. ALL ROOF MOUNTED EQUIPMENT SHALL BE IN NEMA-3R ENCLOSURES.
2. ALL CONDUIT RUNS SHOWN ON THE ROOF SHALL BE RUN BELOW THE CEILING SPACE WHERE AMBIENT TEMPERATURE WILL BE BELOW 90% C. FINAL CONNECTIONS TO THE ROOF EQUIPMENT IS LIMITED TO 5'-0" OF DIRECT SOLAR EXPOSURE.
3. ALL ROOF RECEPTACLES SHALL BE GFI TYPE.
4. VERIFY ALL FUSE SIZES AND TYPES WITH THE AIR CONDITIONING EQUIPMENT MANUFACTURER PRIOR TO INSTALLATION.
5. REVIEW THE MECHANICAL PLANS FOR THE AIR CONDITIONING CONTROL CONTROL REQUIREMENTS AND SCOPE OF WORK PRIOR TO BIDDING AND INCLUDE ALL COSTS IN BID.
6. VERIFY CONNECTION POINTS OF ALL HVAC EQUIPMENT PRIOR TO INSTALLATION. PROVIDE CONTROL VOLTAGE CONNECTION TO DUCT MTD. SMOKE DETECTOR AS REQUIRED BY MECHANICAL.
7. SEE MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF MECHANICAL EQUIPMENT AND THERMOSTATS. PROVIDE RACEWAY SYSTEM FOR ALL CONTROL WIRING AS REQUIRED BY MECHANICAL DRAWING M-1.





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



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

REVISIONS	BY
1 HEALTH 01/19/04	L.L.
2	
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DESIGNER / ENGINEER:
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· Tel:(909)396-9165 · Fax:(909)396-9164 ·
· E-mail:HYC@HYCENGINEER.COM ·

SHEET TITLE:
POWER PLAN, ROOF PLAN & ELEC. PANEL

PROJECT:
DRAGON GATE EXPRESS T.I.
RESTAURANT
11812 BELLFLOWER BLVD., #A
BELLFLOWER, CA 90706

ISSUE DATE
1 11/19/03
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Scale:
Drawn: K.K.
Approved:
Job: 03058
Sheet: E-2
Of Sheets

CERTIFICATE OF COMPLIANCE — Part 1 of 3 — LTG-1

PROJECT NAME	DRAGON GATE EXPRESS RESTAURANT T.I.
DATE	12/3/03
PROJECT ADDRESS	17812 BELLFLOWER BLVD., #A, BELLFLOWER, CA 90706
PRINCIPAL DESIGNER - LIGHTING	JEN HSU
TELEPHONE	(909)396-8168
DOCUMENTATION AUTHOR	HYC Consulting Engineers, Inc.
TELEPHONE	(909) 396-8168
Building Permit #	
Checked by/Date	

Enforcement Agency Use

GENERAL INFORMATION

DATE OF PLANS	11/19/03
BUILDING CONDITIONED FLOOR AREA	1579 Sq.Ft.
CLIMATE ZONE	8

BUILDING TYPE: [X] NONRESIDENTIAL [ ] HIGH RISE RESIDENTIAL [ ] HOTEL/MOTEL GUEST ROOM

PHASE OF CONSTRUCTION: [ ] NEW CONSTRUCTION [ ] ADDITION [X] ALTERATION [ ] EXISTING + ADDITION

METHOD OF LIGHTING COMPLIANCE: [ ] COMPLETE BUILDING [X] AREA CATEGORY [ ] TAILORED [ ] PERFORMANCE

STATEMENT OF COMPLIANCE

This Certificate of Compliance lists the building features and performance specifications needed to comply with Title 24, Parts 1 and 6 of the California Code of Regulations. This certificate applies only to building lighting requirements.

The documentation preparer hereby certifies that the documentation is accurate and complete.

DOCUMENTATION AUTHOR	SIGNATURE	DATE
HYC Consulting Engineers, Inc.		

The Principal Lighting Designer hereby certifies that the proposed building design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building has been designed to meet the lighting requirements contained in Sections 110, 119, 130 through 132, and 146 or 149 of Title 24, Part 6.

Please check one:

[X] I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the State of California as a civil engineer or electrical engineer, or I am a licensed architect.

[ ] I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by Section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.

[ ] I affirm that I am eligible under the exemption to Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538 and 6737.1.

PRINCIPAL LIGHTING DESIGNER - NAME	SIGNATURE	DATE	LIC. #
JEN HSU			E7155

LIGHTING MANDATORY MEASURES

Indicate location on plans of Note Block for Mandatory Measures: SHEET E-3

INSTRUCTIONS TO APPLICANT

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Nonresidential Manual published by the California Energy Commission.

- LTG-1: Required on plans for all submittals. Part 2 and 3 may be incorporated in schedules on plans.
- LTG-2: Required on all submittals.
- LTG-3: Optional. Use only if lighting control credits are taken.
- LTG-4: Optional. Use only if Tailored method is used.
- LTG-5: Optional. Use only if Tailored method is used.

EnergyPro3.1 By EnergySoft User Number 4537 Job Number:CP 0324 Page1 of 8

LIGHTING COMPLIANCE SUMMARY — Part 2 of 3 — LTG-1

PROJECT NAME: DRAGON GATE EXPRESS RESTAURANT T.I. DATE: 12/3/03

INSTALLED LIGHTING SCHEDULE

Code	Luminaire Description	Lamps: Type Description	Lamps: #	Lamps: Watts Per Lamp	Ballasts: Description	Ballasts: #	Luminaire (Lamp + Ballast): #	Luminaire (Lamp + Ballast): Watts	Total Watts
A	COMPACT FLU. LT	F32T8	1	26	ELECT	1	33	26	910
B	1'X4' FLU.	F32T8	2	32	ELECT	1	4	59	236
D	2'X4' FLU.	F32T8	3	32	ELECT	2	5	89	445

Lighting Schedule on Plans Shows Exterior Lighting Meets

[ ] Efficacy and Control Requirement of 130(c)

[ ] Control Requirements of 131(f)

45W/FT X 12FT > 75W X 6

Subtotal from this Page	1591
Total	1591
Portable Lighting (From LTG-1)	0
Less Control Credit Watts (From LTG-3)	0
Adjusted Actual Watts	1591

MANDATORY AUTOMATIC CONTROLS

CONTROL LOCATION (Room #)	CONTROL IDENTIFICATION	CONTROL TYPE (Auto Time Switch, Exterior, etc.)	SPACE CONTROLLED	NOTE TO FIELD
KITCHEN	Sab	DUAL SWITCH	ENTIRE AREA	
CUSTOMER AREA	Sab	DAY LITE SWITCH	CUSTOMER AREA	

CONTROLS FOR CREDIT

CONTROL LOCATION (Room # or Dwg. #)	CONTROL IDENTIFICATION	CONTROL TYPE (Occupant, Daylight, Dimming, etc.)	LUMINAIRES CONTROLLED: TYPE	LUMINAIRES CONTROLLED: # OF LUMINAIRES	NOTE TO FIELD

NOTES TO FIELD - For Building Department Use Only

EnergyPro3.1 By EnergySoft User Number:4537 Job Number:CP 0324 Page2 of 8

LIGHTING COMPLIANCE SUMMARY — LTG-2

PROJECT NAME: DRAGON GATE EXPRESS RESTAURANT T.I. DATE: 12/3/03

ACTUAL LIGHTING POWER

LUMINAIRE NAME	DESCRIPTION	NUMBER OF LUMINAIRES	WATTS PER LUMINAIRE (Including Ballast)	CEC DEFAULT Y	CEC DEFAULT N*	Total Watts
A	COMPACT FLU. LT	33	26	[X]	[ ]	910
B	1'X4' FLU.	4	59	[X]	[ ]	236
D	2'X4' FLU.	5	89	[X]	[ ]	445

* 45W/FT X 12 > 75W X 6

Subtotal from this Page	1591
Building Total	1591
Portable Lighting (From LTG-1)	0
Less Control Credit Watts (From LTG-3)	0
Adjusted Actual Watts	1591

ALLOWED LIGHTING POWER (Choose One Method)

COMPLETE BUILDING METHOD

BUILDING CATEGORY (From Table 1-M)	WATTS PER SF	COMPLETE BLDG. AREA	ALLOWED WATTS

AREA CATEGORY METHOD

AREA CATEGORY (From Table 1-N)	WATTS PER SF	AREA (SF)	ALLOWED WATTS
KITCHEN & FOOD PREPARATION	1.7	316	537
DINING & HALL WAY	1.1	1051	1156
RESTROOM, STORAGE	0.6	379	227
PAGE TOTAL			
BUILDING TOTAL		1746 (AREA)	1921 (WATTS)

TAILORED METHOD

TOTAL ALLOWED WATTS (From LTG-4 or from computer run.)

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LIGHTING MANDATORY MEASURES

[X] §131(d)1 For every floor, all interior lighting systems shall be equipped with a separate automatic control to shut off the lighting. This automatic control shall meet the requirements of Section 119 and may be an occupancy sensor, automatic time switch, or other device capable of automatically shutting off the lighting.

[ ] §131(d)2 Override for Building Lighting Shut-off: The automatic building shut-off system is provided with a manual, accessible override switch in sight of the lights. The area of override is not to exceed 5,000 square feet.

[X] §119(h) Automatic Control Devices Certified: All automatic control devices specified are certified, all alternate equipment shall be certified and installed as directed by the manufacturer.

[X] §111 Fluorescent Ballast and Luminaires Certified: All fluorescent fixtures specified for the project are certified and listed in the Directory. All installed fixtures shall be certified.

[ ] §132 Tandem Wiring for One and Three Lamp Fluorescent Fixtures: All one and three lamp fluorescent fixtures are tandem wired with two lamp ballasts where required by Standards Section 132; or all one and three lamp fluorescent fixtures are specified with electronic high-frequency ballasts and are exempt from tandem wiring requirements.

[X] §131(a) Individual Room/Area Controls: Each room and area in this building is equipped with a separate switch or occupancy sensor device for each area with floor-to-ceiling walls.

[X] §131(b) Uniform Reduction for Individual Rooms: All rooms and areas greater than 100 square feet and more than 0.8 watts per square foot of lighting load shall be controlled with bi-level switching for uniform reduction of lighting within the room.

[X] §131(c) Daylight Area Control: All rooms with windows and skylights that are greater than 250 square feet and that allow for the effective use of daylight in the area shall have 50% of the lamps in each daylit area controlled by a separate switch; or the effective use of daylight cannot be accomplished because the windows are continuously shaded by a building on the adjacent lot. Diagram of shading during different times of the year is included on plans.

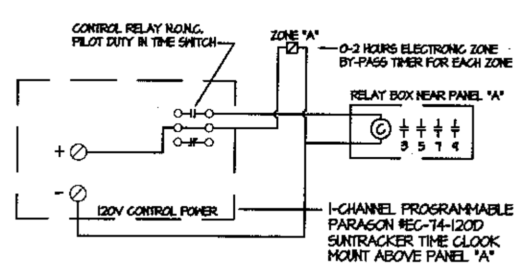
[ ] §131(f) Control of Exterior Lights: Exterior mounted fixtures served from the electrical panel inside the building are controlled with a directional photo cell control on the roof and a corresponding relay in the electrical panel, or uses an astronomical time clock.

[X] §131(e) Display Lighting. Display lighting shall be separately switched on circuits that are 20 amps or less.

[ ] §130(c) Efficacy of Exterior Lights: Exterior mounted fixtures with lamps over 100 Watts served from the electrical panel inside the building have a source efficacy of at least 60 lumens per Watt, or are controlled by a motion sensor.

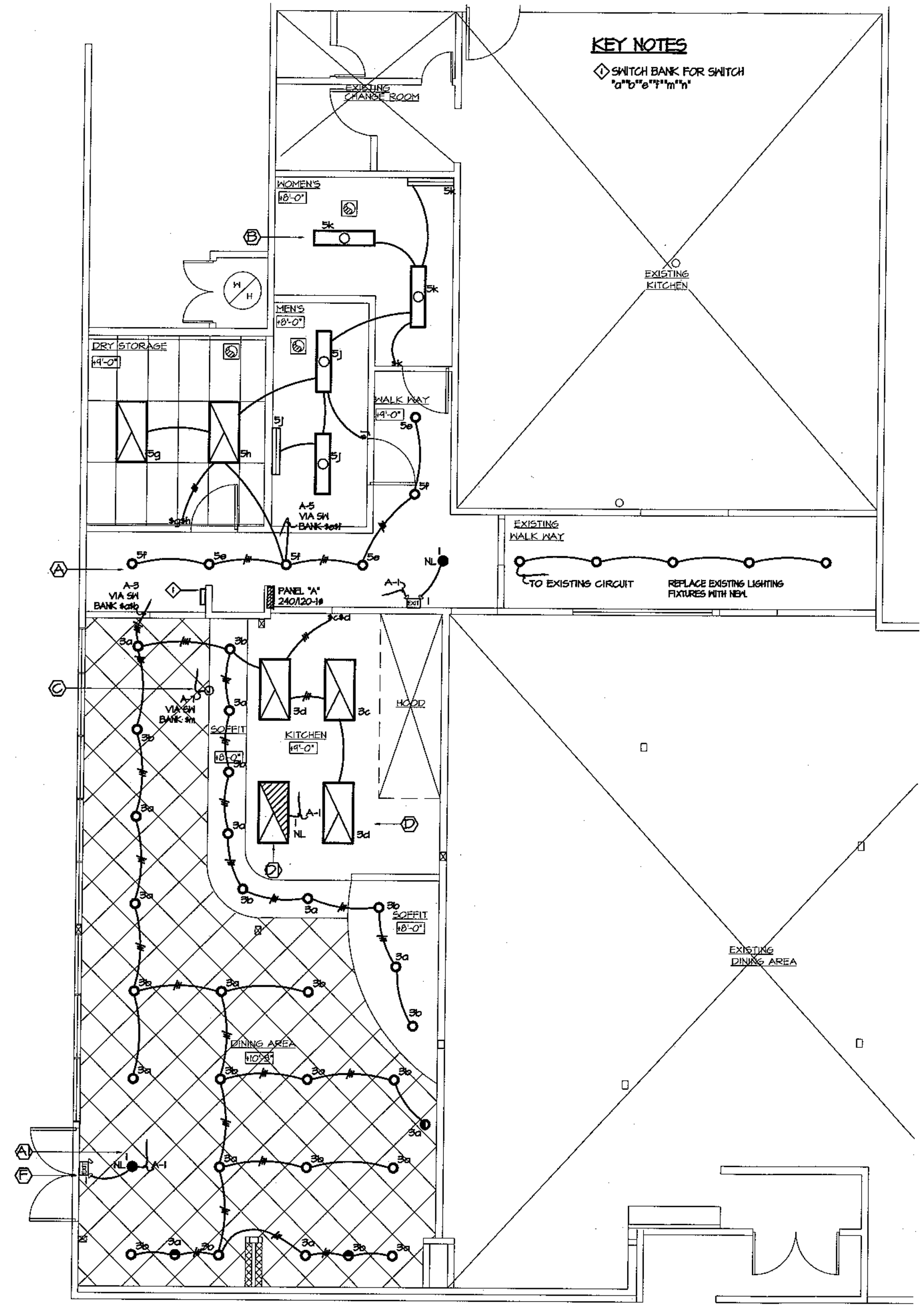
LIGHTING FIXTURE SCHEDULE

TYPE	SYMBOL	DESCRIPTION	LAMP TYPE	LAMP NO.	WATT	VOLT	MOUNTING	MANUFACTURE & MODEL
A	○	RECESS COMPACT FLUOURSCENT LT.	FLU. 13W	1	26	120	RECESS	SELECTED BY THE OWNER
A1	●	RECESS COMPACT FLU. W/ 90 MIN. BAT. BACKUP	FLU. 13W	1	26	120	RECESS	
B		1'x4' RECESS FLUOURSCENT LT.	FLU. 32W T-8 TUBE	2	59	120	RECESS	
C	——	NEON LIGHT			20W/FT	120		
D		2'x4' RECESS FLUOURSCENT LT.	FLU. 32W T-8 TUBE	3	89	120	RECESS	
D1		2'x4' RECESS W/ 90 MIN. BAT. BACKUP	FLU. 32W T-8 TUBE	3	89	120	RECESS	
E		INCANDESCENT WALL LT	INC. 50W	1	50	120	WALL	
F	EXIT	EMERGENCY /EXIT COMBINATION	FLU. 7W	2	20	120	CEILING	LED COMBO EXIT+EMERGENCY ELCO ... OR EQUAL W/ BATTERY BACK UP



C.E.C. MANDATORY LIGHTING CONTROL SYSTEM (A / E-1.0)

N.T.S.



LIGHTING PLAN

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

REVISIONS	BY
1 HEALTH 01/19/04	L.L.
2	
3	
4	
5	

DESIGNER / ENGINEER:
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SHEET TITLE: LIGHTING PLAN & ENERGY CALCULATION

PROJECT: DRAGON GATE EXPRESS T.I. RESTAURANT

17812 BELLFLOWER BLVD., #A
BELLFLOWER, CA 90706

ISSUE DATE	
1	11/19/03
2	
3	
4	

Scale:

Drawn: K.K.

Approved:

Job: C03058

Sheet: E-3

Of Sheets