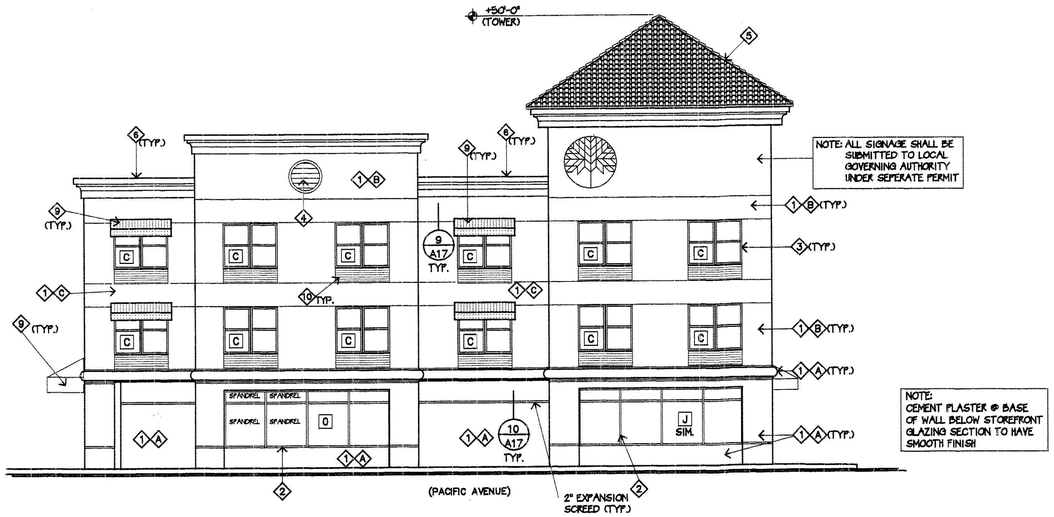
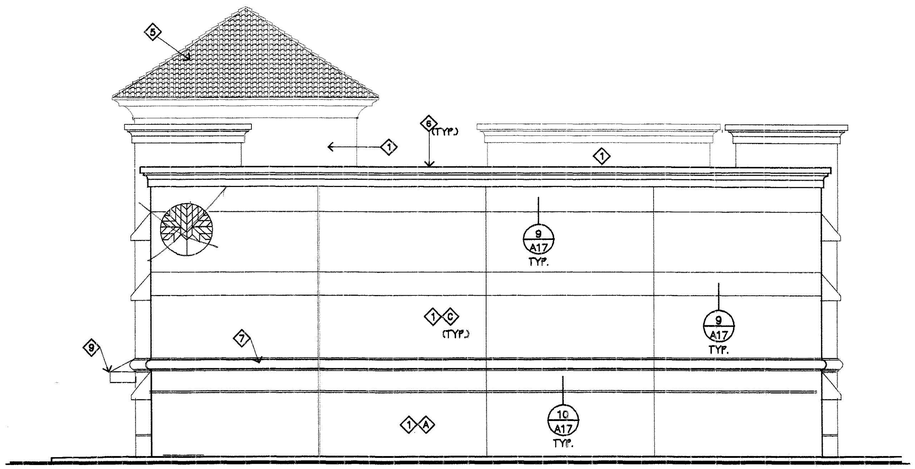


NORTH ELEVATION



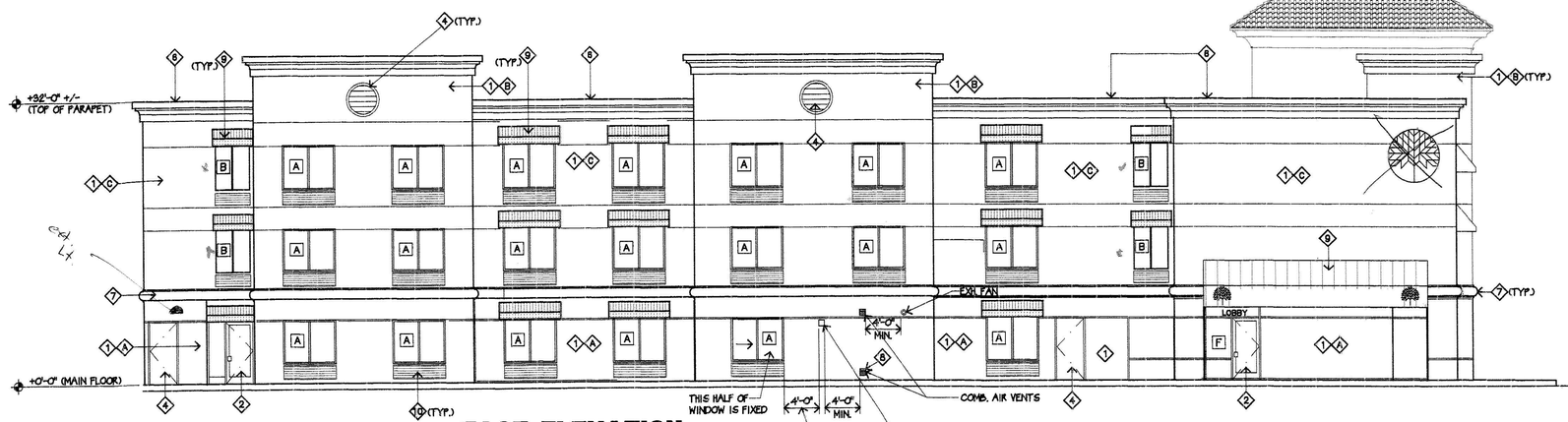
SOUTH ELEVATION

EXTERIOR FINISH SCHEDULE

SYMBOL	MATERIAL	COLOR
1A	CEM. PLASTER WALLS FIRST FLOOR	COPPER NAIL B SW 2315
1B	CEM. PLASTER WALLS UPPER EXTRUDED WALLS	HONEY BEE TWT SW2330
1C	CEM. PLASTER WALLS UPPER INDENTED WALLS	MONTE CARLO B SW 2314
2	PRE-FINISHED ALUMINUM STOREFRONT ENTRANCE METAL	ENGLISH IVY N SW2935
3	METAL WINDOWS (CLEAR GLASS)	ENGLISH IVY N SW2935
4	METAL DOOR & FRAME - UPPER DECORATIVE VENTS	COPPER NAIL B SW 2315
5	CLAY TILE ROOFING MATCH WITH FIRST FLOOR	TERRA COTTA FLASHED 1ESSS 6300R/1ESSS 6300R
6	CEM. PLASTER/FOAM CORNICE	CREAMY WHITE B SW 2445
7	CEM. PLASTER/FOAM BAND	COPPER NAIL B SW 2315
8	METAL WALL LOUVER	PAINTED TO MATCH ADJACENT WALL COLOR
9	CANVAS AWNING (FIRE RESISTANT)	SUNBRELLA FOREST GREEN
10	HVAC GRILLE	PAINTED TO MATCH ADJACENT WALL COLOR

SW = SHERMAN WILLIAMS COLOR CHART

DARK - AWNING RED B SW 2314
MEDIUM - MONTE CARLO B SW 2314
LIGHT - HONEY BEE TWT SW2330
WINDOW FRAMES - ENGLISH IVY N SW2935
AWNINGS - SUNBRELLA FOREST GREEN



EAST ELEVATION

WEST ELEVATION (WEBSTER STREET)

2 REVISIONS PER OWNER REQUEST 7/3/02

RECEIVED
JUL 1 2002
CENTRAL PERMITS DESK
ALAMEDA, CA

REVISED

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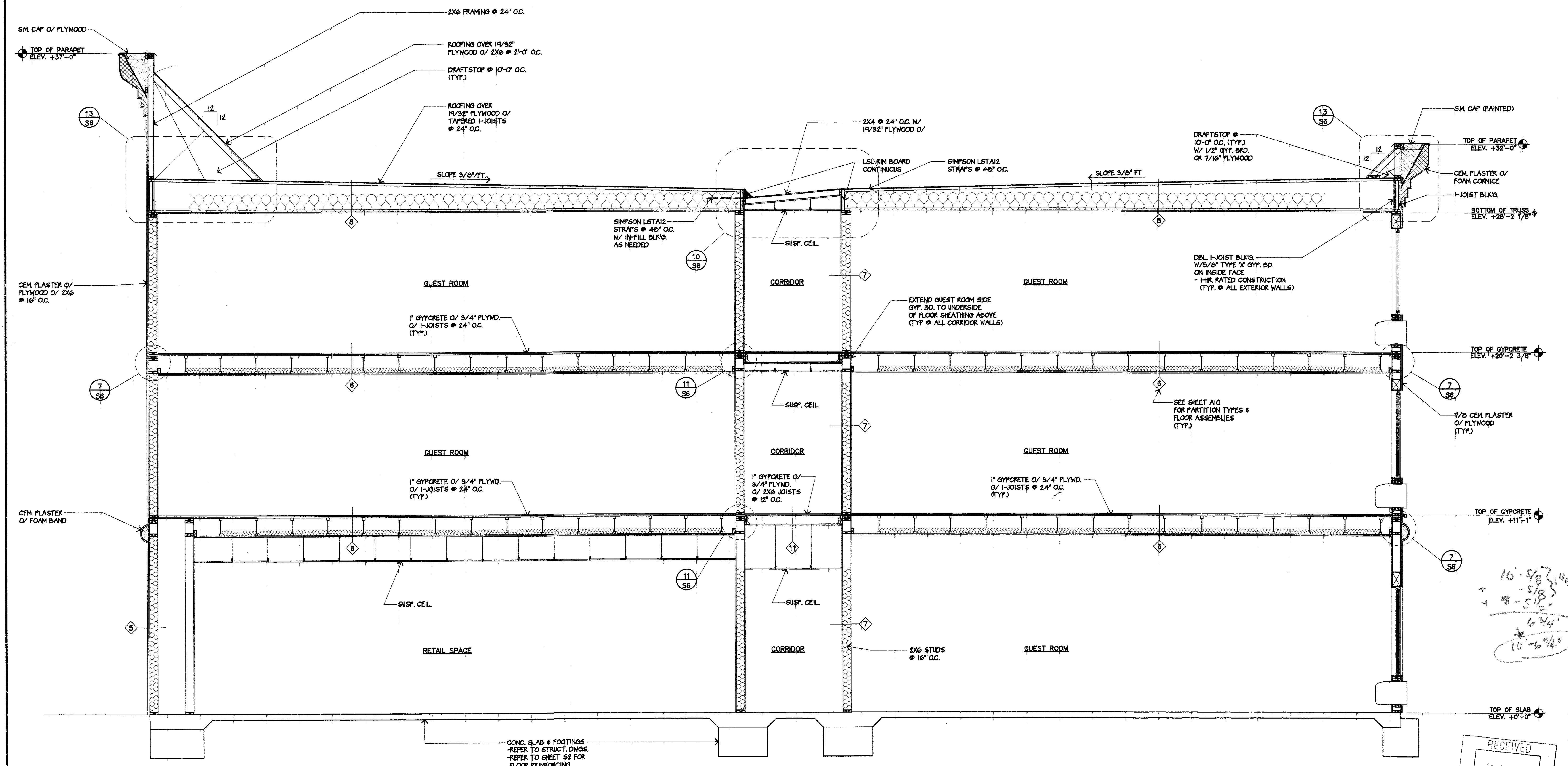
EXTERIOR ELEVATIONS

SCALE: 1/8" = 1'-0"

A3
SHEET
OF


SM. CAP O/ PLYWOOD
TOP OF PARAPET ELEV. +37'-0"
2X6 FRAMING @ 24" O.C.
ROOFING OVER 19/32" PLYWOOD O/ 2X6 @ 2'-0" O.C.
DRAFTSTOP @ 10'-0" O.C. (TYP.)
ROOFING OVER 19/32" PLYWOOD O/ TAPERED I-JOISTS @ 24" O.C.
13 S6
12
12
SLOPE 3/8"/FT.
2X4 @ 24" O.C. W/ 19/32" PLYWOOD O/
LSL RIM BOARD CONTINUOUS
SIMPSON LSTA12 STRAPS @ 48" O.C.
SLOPE 3/8" FT.
DRAFTSTOP @ 10'-0" O.C. (TYP.) W/ 1/2" GYP. BRD. OR 7/16" PLYWOOD
SM. CAP (PAINTED)
TOP OF PARAPET ELEV. +32'-0"
CEM. PLASTER O/ FOAM CORNICE
I-JOIST BLK'G.
BOTTOM OF TRUSS ELEV. +28'-2 1/8"
SIMPSON LSTA12 STRAPS @ 48" O.C. W/ IN-FILL BLK'G. AS NEEDED
10 S6
SUSP. CEIL.
GUEST ROOM
CORRIDOR
GUEST ROOM
DBL. I-JOIST BLK'G. W/5/8" TYPE 'X' GYP. BD. ON INSIDE FACE - 1-HR. RATED CONSTRUCTION (TYP. @ ALL EXTERIOR WALLS)
CEM. PLASTER O/ PLYWOOD O/ 2X6 @ 16" O.C.
EXTEND GUEST ROOM SIDE GYP. BD. TO UNDERSIDE OF FLOOR SHEATHING ABOVE (TYP @ ALL CORRIDOR WALLS)
1" GYPCRETE O/ 3/4" PLYWD. O/ I-JOISTS @ 24" O.C. (TYP.)
TOP OF GYPCRETE ELEV. +20'-2 3/8"
7 S6
11 S6
SUSP. CEIL.
SEE SHEET A10 FOR PARTITION TYPES & FLOOR ASSEMBLIES (TYP.)
7/8 CEM. PLASTER O/ PLYWOOD (TYP.)
GUEST ROOM
CORRIDOR
GUEST ROOM
1" GYPCRETE O/ 3/4" PLYWD. O/ I-JOISTS @ 24" O.C. (TYP.)
1" GYPCRETE O/ 3/4" PLYWD. O/ 2X6 JOISTS @ 12" O.C.
1" GYPCRETE O/ 3/4" PLYWD. O/ I-JOISTS @ 24" O.C. (TYP.)
CEM. PLASTER O/ FOAM BAND
TOP OF GYPCRETE ELEV. +11'-1"
11 S6
SUSP. CEIL.
SUSP. CEIL.
RETAIL SPACE
CORRIDOR
GUEST ROOM
2X6 STUDS @ 16" O.C.
TOP OF SLAB ELEV. +0'-0"
CONC. SLAB & FOOTINGS -REFER TO STRUCT. DWGS. -REFER TO SHEET S2 FOR FLOOR REINFORCING
10'-5/8
-5/8
-5 1/2"
6 3/4"
10'-6 3/4"

A
A7B

BUILDING SECTION

SCALE: 3/8" = 1'-0"

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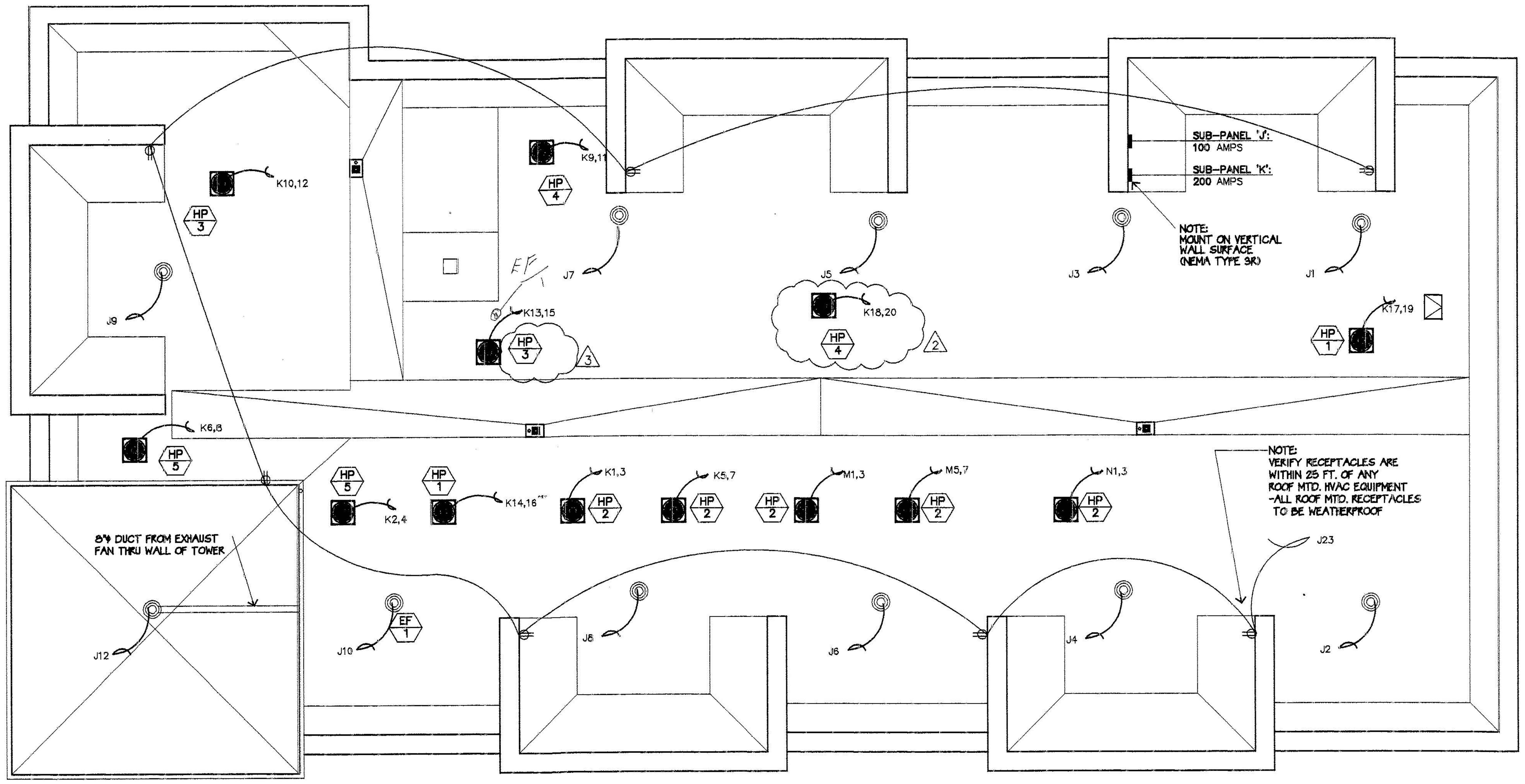
A7B
SHEET
OF



REVISIONS PER ARCHITECT CLARIFICATION 7/3/02 (3)

REVISIONS PER OWNER REQUEST 7/3/02 (2)

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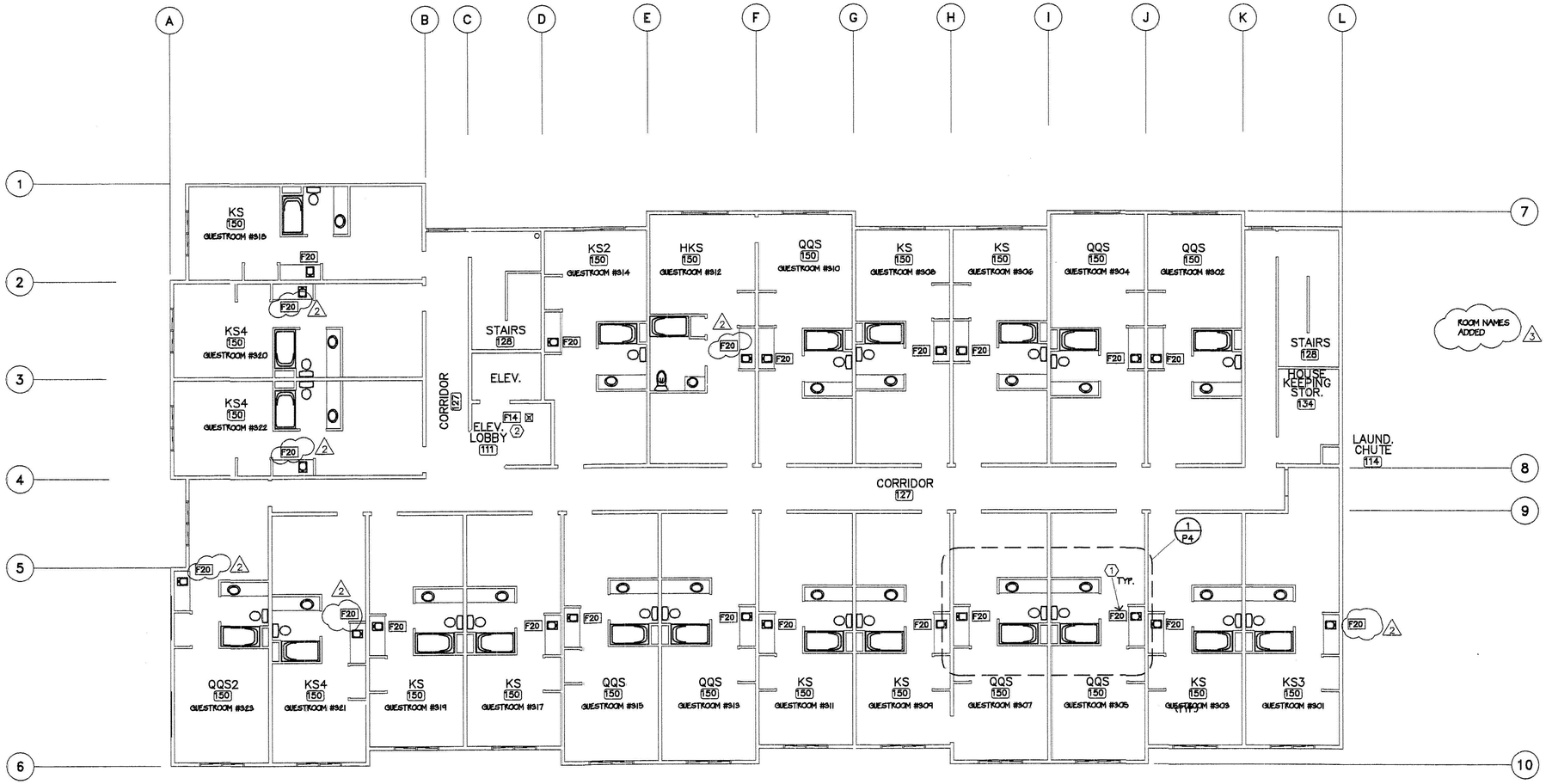
N

ELECTRICAL ROOF PLAN

SCALE: 1/8"=1'-0"

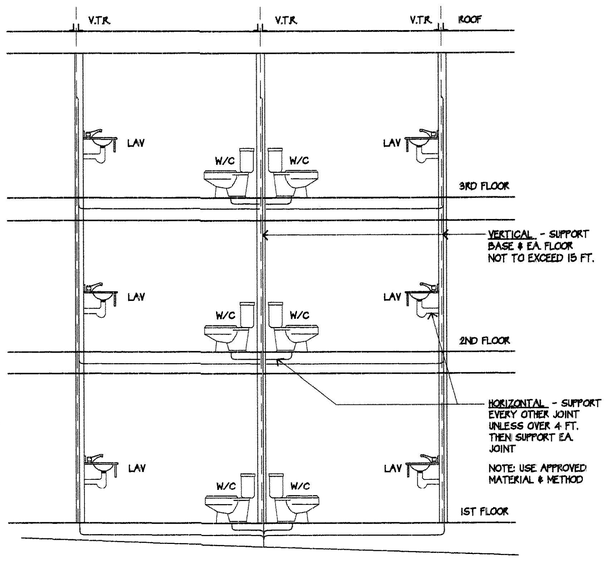
E5

SHEET
OF

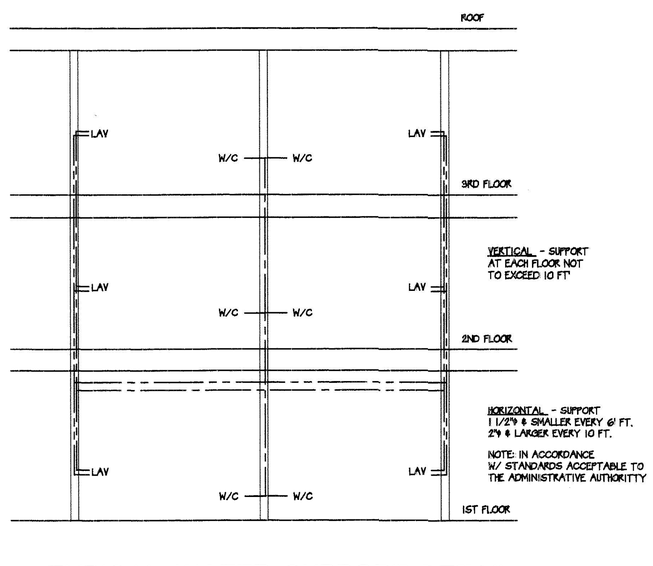


△3 REVISIONS PER ARCHITECT CLARIFICATION 7/3/02

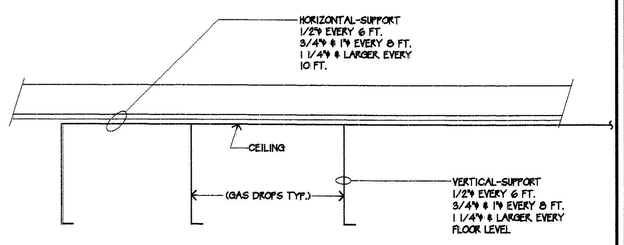
△2 REVISIONS PER OWNER REQUEST 7/3/02



1 P6 **TYPICAL WASTE SUPPORT DETAIL**
SCALE: NO SCALE



2 P6 **TYPICAL WATER SUPPORT DETAIL**
SCALE: NO SCALE



3 P6 **TYPICAL GAS SUPPORT DETAIL**
SCALE: NO SCALE

KEY NOTES:

1. PLUMBING FIXTURE DESIGNATIONS REFERENCED ARE TYP. FOR GUESTBATHS FOR U.N.O. FOR ACCESSIBILE UNITS
2. FLOOR SINK FOR INDIRECT WASTE (ICE MACH.) / 2"ø WASTE REQ'D. –VERIFY W/ OWNER FOR EXACT PLACEMENT

N

3RD FLOOR - PLUMBING SEWER PIPING FLOOR PLAN

SCALE: 1/8"=1'-0"

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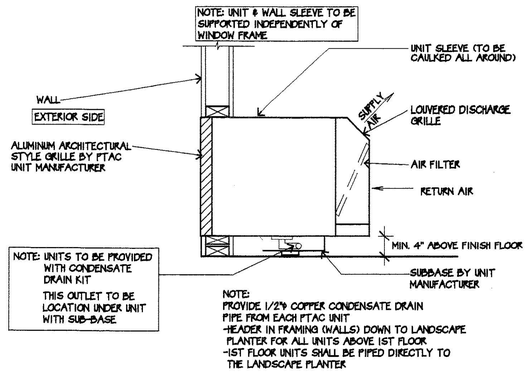
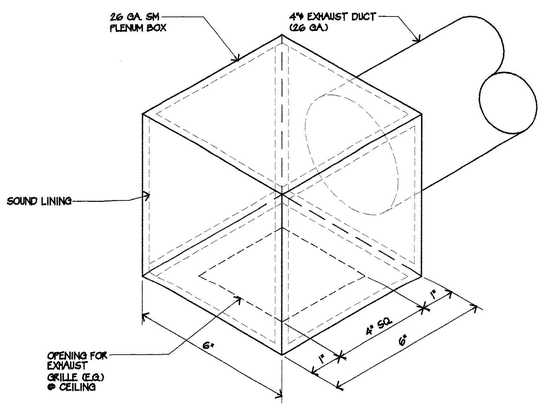
P6
SHEET
OF



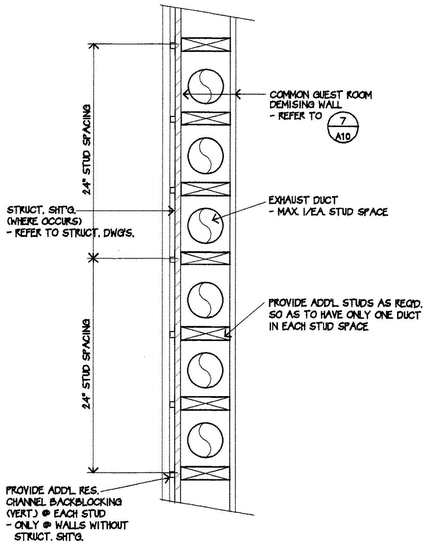
PACKAGED TERMINAL HEAT PUMP UNIT DETAIL

2 / M4 NO SCALE



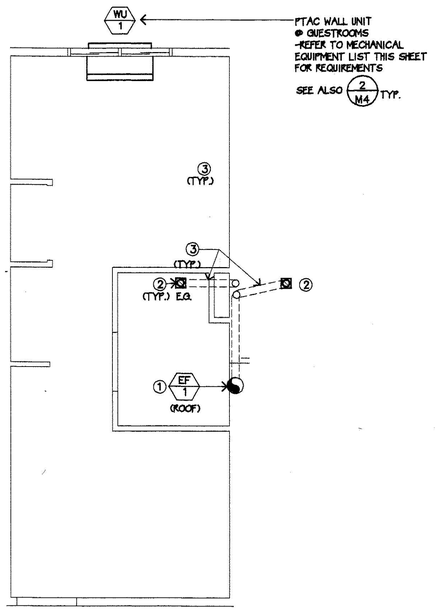
EXHAUST BOX DETAIL

4 / M4 SCALE: N.T.S.



EXHAUST DUCT IN WALL

5 / M4 SCALE: 1 1/2"=1'-0"

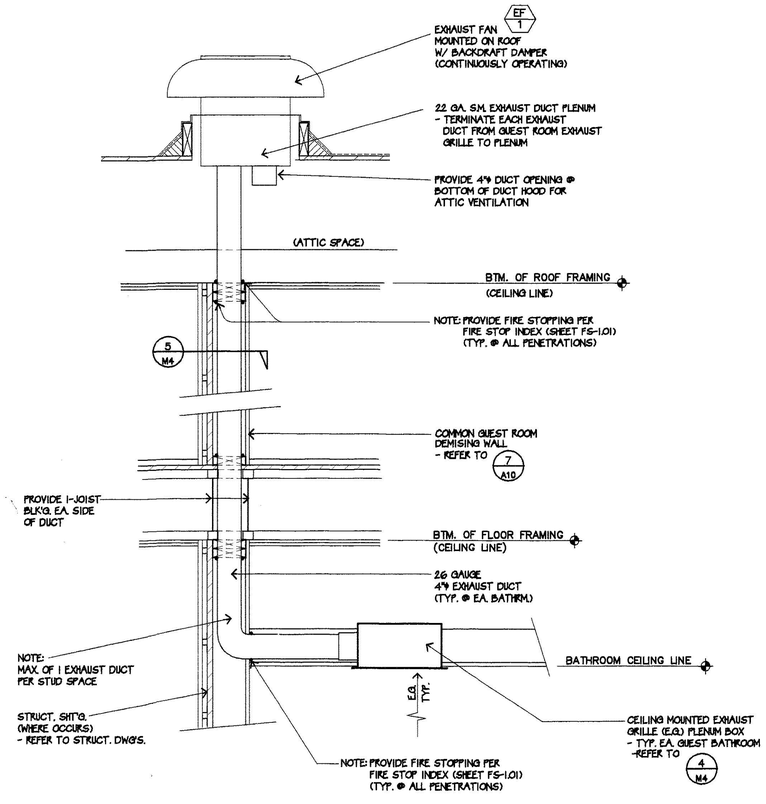


TYPICAL GUESTROOM MECHANICAL LAYOUT

1 / M4 SCALE: 1/4"=1'-0"

KEYNOTES

1. CONTINUOUSLY OPERATING EXHAUST FAN ON ROOF
   -PROVIDE DUCT THRU ROOF
   -SERVES MAX. 6 GUESTBATHS.
2. EXHAUST GRILLE @ CEILING LINE
   -PROVIDE DUCT (IN LOWERED CEILING) TO DEMISING WALL & UP TO EXHAUST FAN ON ROOF. (TYP.)
3. 4" ø (26 GA.) EXHAUST DUCT UP TO EXHAUST FAN / TYPICAL AT ALL FLOORS 3/M4 TYP.



SECTION @ ROOF EXHAUST FAN

3 / M4 SCALE: 1"=1'-0"

MECHANICAL EQUIPMENT LIST

HP-1 BRYANT MODEL NO. 661C018-A PAD MOUNTED HEAT PUMP
208/230V. 1ø 11.9 AMPS (17M BTU COOLING/17.5M BTU HEATING)

HP-2 BRYANT MODEL NO. 661C024-A PAD MOUNTED HEAT PUMP
208/230V. 1ø 15.1 AMPS (22.6M BTU COOLING/22.8M BTU HEATING)

HP-3 BRYANT MODEL NO. 661C036-A PAD MOUNTED HEAT PUMP
208/230V. 1ø 23.9 AMPS (34.2M BTU COOLING/36M BTU HEATING)

HP-4 BRYANT MODEL NO. 538BNX018000A PAD MOUNTED HEAT PUMP
208/230V. 1ø 10.5 AMPS (18.0M BTU COOLING/17.6M BTU HEATING)

HP-5 BRYANT MODEL NO. 661C030-A PAD MOUNTED HEAT PUMP
208/230V. 3ø 12.7 AMPS (28.2M BTU COOLING/29M BTU HEATING)

FC-1 FIRST COMPANY MODEL NO. 18HX-E-3-051
208/240V. 1ø 2.0 AMPS / 600 CFM (FAN ONLY WITHOUT AUX. HEAT)
208/240V. 1ø 14.5 AMPS / (WITH 3 KW AUX. HEAT)

FC-2 FIRST COMPANY MODEL NO. 24HX-E-3-059
208/240V. 1ø 2.0 AMPS / 800 CFM (FAN ONLY WITHOUT AUX. HEAT)
208/240V. 1ø 14.5 AMPS / (WITH 3 KW AUX. HEAT)

FC-3 FIRST COMPANY MODEL NO. 36HX-E-3-070
208/240V. 1ø 2.6 AMPS / 1200 CFM (FAN ONLY WITHOUT AUX. HEAT)
208/240V. 1ø 15.3 AMPS / (WITH 3 KW AUX. HEAT)

FC-4 BRYANT MODEL NO. 619FNX0240W0A DUCTLESS SPLIT HEAT PUMP FAN COIL (IN-CEILING)
208/230V. 1ø 1/16 HP / 525 CFM
208/230V. 1ø 7.5 AMPS HEATER CIRCUIT / (1.8 KW HEAT)
208/230V. 1ø 2.0 AMPS UNIT CIRCUIT

FC-5 FIRST COMPANY MODEL NO. 30HX-E-3-070
208/240V. 1ø 2.0 AMPS / 1000 CFM (FAN ONLY WITHOUT AUX. HEAT)
208/240V. 1ø 14.5 AMPS / (WITH 3 KW AUX. HEAT)

WU-1 AMANA PTH123A PACKAGE TERMINAL HEAT PUMP UNIT (IN WALL)
208/230v. 1ø 8.4AMPS (12,000 BTU COOLING/ 11,200 BTU HEATING)

WU-2 AMANA PTH153A PACKAGE TERMINAL HEAT PUMP UNIT (IN WALL)
208/230v. 1ø 8.4 AMPS (14,000 BTU COOLING/ 13,800 BTU HEATING)
-PROVIDE UNIT W/ POWER VENT KIT (95 CFM/ O.S.A.)

EF-1 DAYTON MODEL 4C097 ROOF MTD. EXHAUST FAN (CONTINUOUSLY OPERATING)
345 CFM @ .375" STATIC PRESSURE, 1/10 H.P.

EF-2 BROAN MODEL 671 CEILING/WALL EXHAUST FAN
70 CFM, 3.0 SONES, 1.2 AMPS

EF-3 BROAN MODEL 362 CEILING EXHAUST FAN (CONTINUOUSLY OPERATING)
200 CFM, 2.0 SONES, 1.3 AMPS

EF-4 BROAN MODEL 506 WALL EXHAUST FAN
480 CFM. 6.5 SONES / CHAIN-OPERATED

EF-5 GREENHECK MODEL CSP-252 EXHAUST FAN
424 CFM @ .375 SP 3.0 SONES 3.1 AMPS

EF-6 GREENHECK MODEL CSP-226 EXHAUST FAN
248 CFM @ .375 SP 3.3 SONES 3.1 AMPS

EF-7 FANTECH EXHAUST FAN MODEL FX10
521 CFM @ .5" SP 4.6 SONES 4.4 AMPS

AIR DISTRIBUTION DEVICES

LSD LINEAR SLOT DIFFUSER, CONSTRUCTED OF EXTRUDED ALUMINUM WITH AIR PATTERN CONTROLLER ADJUSTABLE FOR 180 DEG. AIR PATTERN. EACH AIR SLOT SHALL BE EQUIPPED WITH AN INDIVIDUALLY ADJUSTABLE VOLUME DAMPER.

CD CEILING DIFFUSER: 4 WAY ADJUSTABLE AIR PATTERN. PROVIDE W/OPPOSE BLADE DAMPER.VOLUME DAMPER CONSTRUCTED OF EXTRUDED ALUMINUM, AND OF COLORS SELECTED BY ARCHITECT.

CSR CEILING SUPPLY REGISTER SHALL BE TWO WAY PATTERN WITH INDIVIDUALLY ADJUSTABLE CURVED BLADES, CONSTRUCTED OF EXTRUDED ALUMINUM.

SR SUPPLY REGISTER SHALL BE ONE WAY PATTERN WITH INDIVIDUALLY ADJUSTABLE CURVED BLADES, CONSTRUCTED OF EXTRUDED ALUMINUM.

RR RETURN/EXHAUST REGISTER, (CEILING - 0° DEFLECTION; WALL FIXED 45° CURVED DEFLECTION VANES) MANUFACTURED OF CORROSION RESISTANCE ALUMINUM.

EQUIPMENT LIST NOTES:

1. EQUIPMENT CAPACITIES FOR HVAC ITEMS LISTED SHALL BE DETERMINED BASED ON LOCATION OF INN AND DESIGN CRITERIA AS SHOWN ON THIS DRAWING.
2. FINAL SELECTION OF ELECTRICAL CHARACTERISTICS FOR EQUIPMENT SHALL BE DETERMINED BASED ON SITE VOLTAGE AVAILIBITLITY.
3. GUEST ROOM PACKAGED TERMINAL HEAT PUMP UNITS SHALL HAVE THERMOSTATIC CONTROLS WITH SETPOINTS IN DEGREE FAHRENHEIT
   OR
   SHALL BEAR A LABEL NEXT TO THE CONTROLS WHICH CLEARLY EXPLAINS THE RELATIONSHIP OF THE CONTROL SETTING TO THE DEGREE FAHRENHEIT
   - EITHER METHOD CONFORMS THE STATE OF CALIFORNIA, TITLE 24, PART 6, SECTION 122(C)

SYMBOL AND ABBREVIATION

—EXH—	EXHAUST AIR DUCT
—SA—	SUPPLY AIR DUCT
—RA—	RETURN AIR DUCT
① OR Ⓐ	NOTE NUMBER/LETTER
⊠	SUPPLY AIR CEILING DIFFUSER
▨	RETURN AIR CEILING REGISTER
▨	EXHAUST AIR CEILING REGISTER WITH FAN
▯	LINEAR SLOT DIFFUSER
⊠	SUPPLY AIR DUCT UP
▨	RETURN/EXHAUST AIR DUCT UP
HVAC UNIT	AIR COOLED CONDENSING UNIT
AHU	AIR HANDLING UNIT
CLG.	CEILING
F.D.	FIRE DAMPER (COMBINATION FIRE & SMOKE DAMPER)
EF	EXHAUST FAN
TG	TRANSFER GRILLE
RR	RETURN REGISTER
UC	UNDER CUT
O.A.	OUTSIDE AIR
L.D.	LOUVERED DOOR
S.A	SUPPLY AIR
R.A.	RETURN AIR
Ⓣ	THERMOSTAT
Ⓗ	HUMIDISTAT
EG	EXHAUST GRILLE

F:\ ARCHIVES \SHARP VISA - M4.DWG

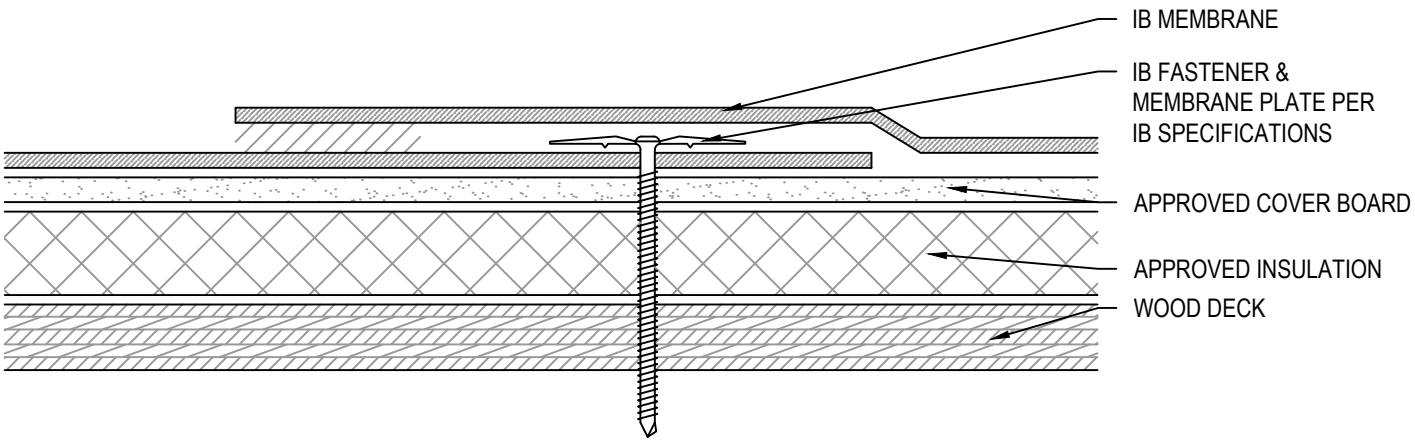
IB Roof Systems™

Fastened

FS FastSpec

MA-CB-IN-W

Mechanically Attached Membrane - Cover Board - Insulation - Wood Deck (New or Tear-Off)



Fire Rating / Max. Slope		Deck Type	Cover Board / Insulation		IB Membrane		Max. Design Pressure**
			Type	Attachment	Fasteners	Attachment	
☐	Class 'A' Unlimited	7/16" OSB	Approved Cover Board & Approved Insulation	IB SD #12, IB 3" Insulation Plate (6 per 4' x 8')	IB HD #14 or IB XHD #15, IB 2" Barbed Seam Plate	In-Seam 6" o.c. x 67"	Minimum Req. for IB Warranty
☐	Class 'A' Unlimited	1/2" Plywood	Approved Cover Board & Approved Insulation	IB SD #12, IB 3" Insulation Plate (6 per 4' x 8')	IB HD #14 or IB XHD #15, IB 2" Barbed Seam Plate	In-Seam 12" o.c. x 67"	Minimum Req. for IB Warranty
☐	Class 'A' Unlimited	5/8" OSB	Approved Cover Board & Approved Insulation	IB SD #12, IB 3" Insulation Plate (6 per 4' x 8')	IB HD #14 or IB XHD #15, IB 2" Barbed Seam Plate	In-Seam 12" o.c. x 67"	Minimum Req. for IB Warranty
☐	Class 'A' Unlimited	1/2" Plywood	Approved Cover Board & Approved Insulation	IB SD #12, IB 3" Insulation Plate (6 per 4' x 8')	IB HD #14, IB 2" Barbed Seam Plate	In-Seam 6" o.c. x 67"	-37.5 psf (Class 75)
☐	Class 'A' Unlimited	5/8" Plywood	Approved Cover Board & Approved Insulation	IB SD #12, IB 3" Insulation Plate (6 per 4' x 8')	IB HD #14, IB 2" Barbed Seam Plate	In-Seam 12" o.c. x 67"	-30.0 psf (Class 60)
☐	Class 'A' Unlimited	5/8" Plywood	Approved Cover Board & Approved Insulation	IB SD #12, IB 3" Insulation Plate (6 per 4' x 8')	IB XHD #15, IB 2-3/8" Barbed Seam Plate	In-Seam 6" o.c. x 67"	-67.5 psf (Class 135)
☐	Class 'A' Unlimited	5/8" Plywood	Approved Cover Board & Approved Insulation	IB SD #12, IB 3" Insulation Plate (6 per 4' x 8')	IB XHD #15, IB 2-3/8" Barbed Seam Plate	In-Seam 6" o.c. x 31"	-127.5 psf (Class 255)

Approved Cover Board: *Dens Deck, Dens Deck Prime, Securock Glass-Mat or Gypsum-Fiber Roof Board, minimum 1/4" thickness.*
Approved Insulation: *IB Energy Board II & III or IB Approved UL Classified Polyisocyanurate, Expanded Polystyrene, Extruded Polystyrene Insulation.*
***** Refer to Substrate Resistance table for required pull-out values.***

For additional information about IB Roof Systems requirements, recommendations, installation details, approvals and limitations for the above assemblies, please refer to the latest edition of the IB Roof Systems Specifications Manual. For Technical Services please contact us at 800-426-1626.

Membranes:	Colors:	Warranties:	Warranty Lengths:
☐ 50 Mil Membrane	☐ White* ☐ Cool Sand* ☐ ChemGuard*	☐ Total System (NDL)	☐ 10 yr (50, 60, and 80 mil)
☐ 60 Mil Membrane	☐ Gray ☐ Green ☐ Red	☐ Warranty Plus	☐ 15 yr (50, 60, and 80 mil)
☐ 80 Mil Membrane	☐ Tan ☐ Brown ☐ Custom:	☐ Commercial Limited Material	☐ 20 yr (60 and 80 mil)
	* Meets CRRC, Title-24, & EnergyStar Standards _____	☐ Lifetime Residential Limited Material	☐ 25 yr (80 mil)

Submitted By:
Address:
Telephone:

Project Name:
Address:

CLASSIFIED cULus TGFU.R15546 | FM APPROVED | ICC ES ESR-2852 | MIAMI DADE COUNTY APPROVED | CRRC COOL ROOF RATING COUNCIL RATED PRODUCT 0640 | energy ENERGY STAR | TITLE 24 COMPLIANT

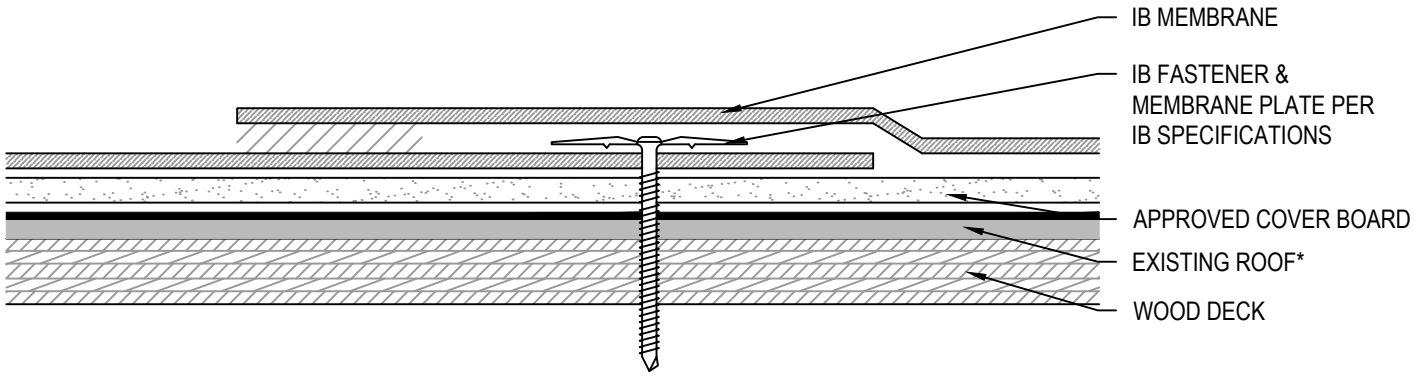
IB Roof Systems™

Fastened

FS FastSpec

MA-CB-EX-W

Mechanically Attached Membrane - Cover Board - Existing Roof - Wood Deck (Recover)



Fire Rating / Max. Slope	Deck Type	Cover Bard (over Existing Roof)		IB Membrane		Max. Design Pressure**
		Type	Attachment	Fasteners	Attachment	
❑ Class 'A' Unlimited	7/16" OSB	Approved Cover Board	IB SD #12, IB 3" Insulation Plate (6 per 4' x 8')	IB HD #14 or IB XHD #15, IB 2" Barbed Seam Plate	In-Seam 6" o.c. x 67"	Minimum Req. for IB Warranty
❑ Class 'A' Unlimited	1/2" Plywood	Approved Cover Board	IB SD #12, IB 3" Insulation Plate (6 per 4' x 8')	IB HD #14 or IB XHD #15, IB 2" Barbed Seam Plate	In-Seam 12" o.c. x 67"	Minimum Req. for IB Warranty
❑ Class 'A' Unlimited	5/8" OSB	Approved Cover Board	IB SD #12, IB 3" Insulation Plate (6 per 4' x 8')	IB HD #14 or IB XHD #15, IB 2" Barbed Seam Plate	In-Seam 12" o.c. x 67"	Minimum Req. for IB Warranty
❑ Class 'A' Unlimited	1/2" Plywood	Approved Cover Board	IB SD #12, IB 3" Insulation Plate (6 per 4' x 8')	IB HD #14, IB 2" Barbed Seam Plate	In-Seam 6" o.c. x 67"	-37.5 psf (Class 75)
❑ Class 'A' Unlimited	5/8" Plywood	Approved Cover Board	IB SD #12, IB 3" Insulation Plate (6 per 4' x 8')	IB HD #14, IB 2" Barbed Seam Plate	In-Seam 12" o.c. x 67"	-30.0 psf (Class 60)
❑ Class 'A' Unlimited	5/8" Plywood	Approved Cover Board	IB SD #12, IB 3" Insulation Plate (6 per 4' x 8')	IB XHD #15, IB 2-3/8" Barbed Seam Plate	In-Seam 6" o.c. x 67"	-67.5 psf (Class 135)
❑ Class 'A' Unlimited	5/8" Plywood	Approved Cover Board	IB SD #12, IB 3" Insulation Plate (6 per 4' x 8')	IB XHD #15, IB 2-3/8" Barbed Seam Plate	In-Seam 6" o.c. x 31"	-127.5 psf (Class 255)

Approved Cover-Board: *Dens Deck, Dens Deck Prime, Securock Glass-Mat or Gypsum-Fiber Roof Board, minimum 1/4" thickness.*

**** Existing Roof:*** *SBS or APP modified, or oxidized asphalt smooth coated, mineral surfaced, or gravel surfaced fire rated roofing system.*

***** Refer to Substrate Resistance table for required pull-out values.***

For additional information about IB Roof Systems requirements, recommendations, installation details, approvals and limitations for the above assemblies, please refer to the latest edition of the IB Roof Systems Specifications Manual. For Technical Services please contact us at 800-426-1626.

Membranes:	Colors:	Warranties:	Warranty Lengths:
❑ 50 Mil Membrane	❑ White* ❑ Cool Sand* ❑ ChemGuard*	❑ Total System (NDL)	❑ 10 yr (50, 60, and 80 mil)
❑ 60 Mil Membrane	❑ Gray ❑ Green ❑ Red	❑ Warranty Plus	❑ 15 yr (50, 60, and 80 mil)
❑ 80 Mil Membrane	❑ Tan ❑ Brown ❑ Custom:	❑ Commercial Limited Material	❑ 20 yr (60 and 80 mil)
	* Meets CRRC, Title-24, & EnergyStar Standards _____	❑ Lifetime Residential Limited Material	❑ 25 yr (80 mil)

Submitted By:
Address:
Telephone:

Project Name:
Address:

CLASSIFIED cULus TGFU.R15546 · FM APPROVED · ICC ES ESR-2852 · MIAMI DADE COUNTY APPROVED · CRRC COOL ROOF RATING COUNCIL RATED PRODUCT 0640 · energy ENERGY STAR · TITLE 24 COMPLIANT

July 13, 2023

Chris Miller
Miller & Sons Independent Roofing Solutions

Reference: *Poppy Place*

To Whom It May Concern,

This is to confirm the below listed roof assembly is eligible to receive the proposed IB Roof Systems Twenty (30) Year Total Systems Warranty when installed by an IB Master Pro Applicator in accordance with IB Specifications and Warranty Program requirements:

Overlay Option

MA-CB^{MA}-EX-W

Deck:	Min. ½" Wood Deck
Existing Roof:	Properly prepare existing roof for new roofing system. Confirm existing components of the existing roof assembly. Conduct moisture survey of entire roof area. Remove and replace any wet, damaged, or deteriorated materials. Submit results of the survey to IB Roof Systems, prior to installation, for analysis.
Cover Board:	Install one (1) layer of ¼" Securock Glass Mat Roof Board mechanically fastened to the steel deck using Deckfast or IB #14 HD Fastener and IB 3" Insulation Plates at the following rates: Field: 1 per 5.33 sq. ft. (6 per 4x8 board) Perimeter: 1 per 5.33 sq. ft. (6 per 4x8 board) Corner: 1 per 5.33 sq. ft. (6 per 4x8 board)
Membrane:	Install IB PVC Single-Ply 80 (80 mil) membrane, color (white) using in-seam fastening at the rate prescribed below. All membrane side-laps and end-laps welded with hot air welded laps. Field: 12" o.c. in-seam fastener spacing, using IB #14 HD or #15 XHD Fasteners and 2 3/8" Barbed Seam Plates. Perimeter: 6" o.c. in-seam fastener spacing, using IB #14 HD or #15 XHD Fasteners and 2 3/8" Barbed Seam Plates. Corner: 6" o.c. in-seam fastener spacing, using IB #14 HD or #15 XHD Fasteners and 2 3/8" Barbed Seam Plates.
For All Zones:	Maximum 12" o.c. in seam fastener with minimum #14 HD fastener and 2 ⅜" barbed seam plate. A minimum of (3) perimeter half sheets shall be installed with the same in seam fastener spacing. Corners shall be additionally secured by cross-hatching in both directions through the membrane with a minimum 6" wide welded cover strip.
Flashings:	All flashings are installed in accordance with IB Specifications.

Tear Off Option

MA-CB^{MA}IN ^{LL}-W

Deck:	Min. ½" Wood Deck
Insulation:	Install one (1) or more layers of approved Polyisocyanurate loose laid for simultaneous attachment with the cover board.
Cover Board:	Install one (1) layer of ¼" Securock Glass Mat Roof Board mechanically fastened to the wood deck using #14 Deckfast or IB #14 HD Fastener and IB 3" Insulation Plates at the following rates: Field: 1 per 5.33 sq. ft. (6 per 4x8 board) Perimeter: 1 per 5.33 sq. ft. (6 per 4x8 board) Corner: 1 per 5.33 sq. ft. (6 per 4x8 board)
Membrane:	Install IB PVC Single-Ply 80 (80 mil) membrane, color (white) using in-seam fastening at the rate prescribed below. All membrane side-laps and end-laps welded with hot air welded laps. Field: 12" o.c. in-seam fastener spacing, using IB #14 HD or #15 XHD Fasteners and 2 3/8" Barbed Seam Plates. Perimeter: 6" o.c. in-seam fastener spacing, using IB #14 HD or #15 XHD Fasteners and 2 3/8" Barbed Seam Plates. Corner: 6" o.c. in-seam fastener spacing, using IB #14 HD or #15 XHD Fasteners and 2 3/8" Barbed Seam Plates.
For All Zones:	Maximum 12" o.c. in seam fastener with minimum #14 HD fastener and 2 ⅜" barbed seam plate. A minimum of (3) perimeter half sheets shall be installed with the same in seam fastener spacing. Corners shall be additionally secured by cross-hatching in both directions through the membrane with a minimum 6" wide welded cover strip.
Flashings:	All flashings are installed in accordance with IB Specifications.

The above listed roof system is based on IBRS minimum warranty requirements and is not intended to modify or alter supersede any design requirements by the designer of record and recommends that any uplift resistance requirement be verified by a design professional.

Please contact IB Roof Systems with any questions or if I may be of any assistance.

Respectfully,

Chad T. Ellis

Chad Ellis
Inside Technical Representative
IB Roof Systems
PVC Roofing Solutions

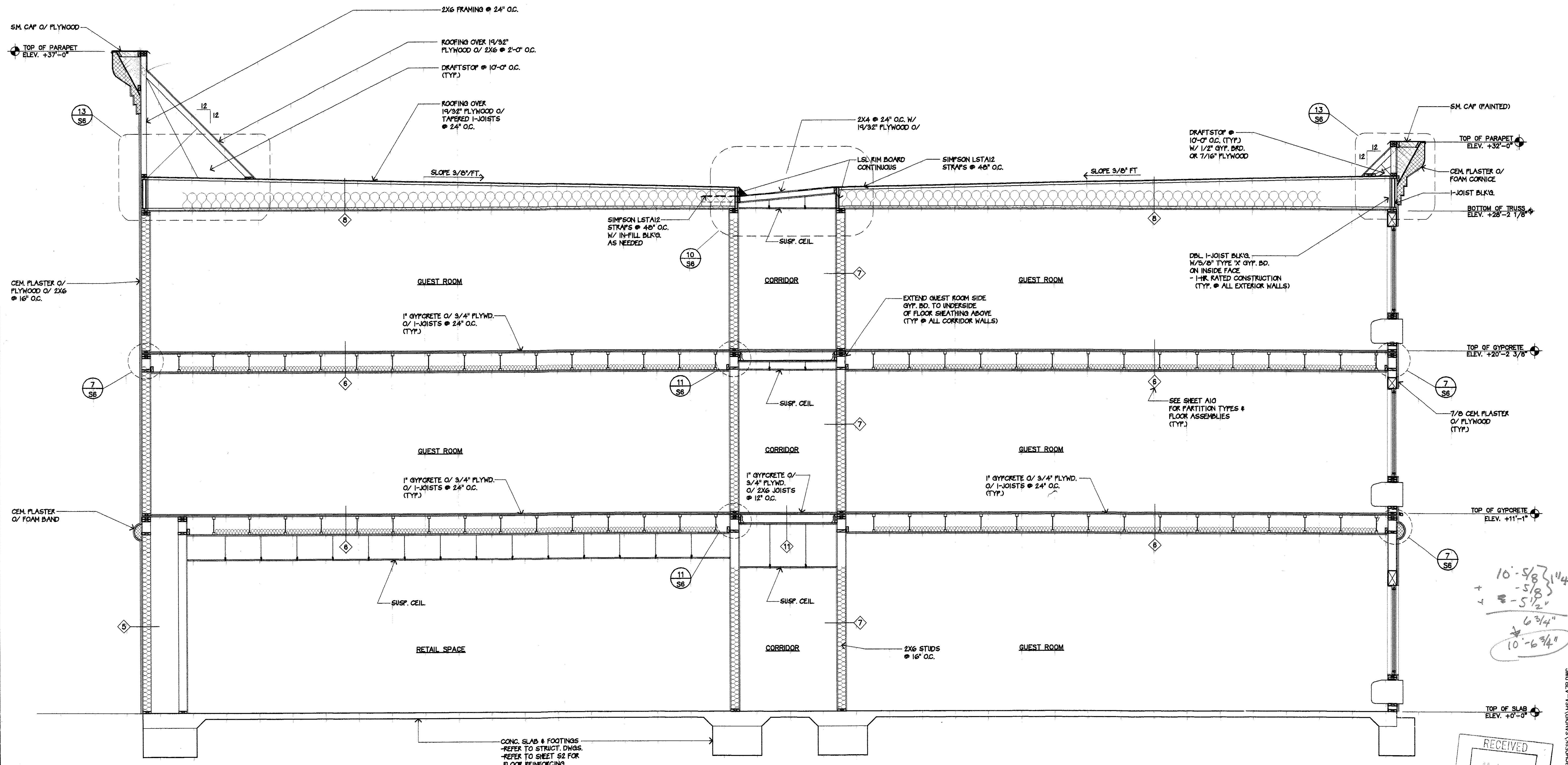
972-354-6618 (direct)
541-610-1726 (fax)
chad.ellis@IBRoof.com

Cc: Chris Miller, IB Sales Representative.

Scope II: PV Solar

POPPY PLACE PV SOLAR

1 Contractor to design, supply and install new Photovoltaic system at the Poppy Place Apartments,50 Residential units and ground floor offices located at 1628 Webster St. Alameda Ca. 95401
2 This property is being converted from use as a tourist hotel to full occupancy apartments 50 residential units plus business offices.
3 The existing electrical usage is expected to increase due to the additional full residential occupancy demand.
4 The new system shall include battery backup storage.
5 General: The scope of work for the new systems include engineering, permitting, procurement, construction, and commissioning, supervision, materials and supplies, labor, tools, construction equipment and machinery, utilities and transportation for the proper execution and completion of a fully integrated and operational System. Contractor shall perform, supervise and direct the Work in accordance with Industry Standards, Applicable Law and Project Milestone dates.
6 Contractor and Manufacturer shall provide a 25-year performance warranty or performance output warranty to include 100% of repair or replacement costs of defective equipment or component(s), including labor and shipping.
7. Contractor to provide interconnections services with Alameda Municipal Power.


2X6 FRAMING @ 24" O.C.
S.M. CAP O/ PLYWOOD
TOP OF PARAPET ELEV. +37'-0"
ROOFING OVER 19/32" PLYWOOD O/ 2X6 @ 2'-0" O.C.
DRAFTSTOP @ 10'-0" O.C. (TYP.)
ROOFING OVER 19/32" PLYWOOD O/ TAPERED I-JOISTS @ 24" O.C.
SLOPE 3/8"/FT.
2X4 @ 24" O.C. W/ 19/32" PLYWOOD O/
LSL RIM BOARD CONTINUOUS
SIMPSON LSTA12 STRAPS @ 48" O.C.
SLOPE 3/8" FT
S.M. CAP (PAINTED)
DRAFTSTOP @ 10'-0" O.C. (TYP.) W/ 1/2" GYP. BRD. OR 7/16" PLYWOOD
TOP OF PARAPET ELEV. +32'-0"
CEM. PLASTER O/ FOAM CORNICE
I-JOIST BLK'G.
BOTTOM OF TRUSS ELEV. +28'-2 1/8"
SIMPSON LSTA12 STRAPS @ 48" O.C. W/ IN-FILL BLK'G. AS NEEDED
SUSP. CEIL.
CEM. PLASTER O/ PLYWOOD O/ 2X6 @ 16" O.C.
GUEST ROOM
CORRIDOR
GUEST ROOM
DBL. I-JOIST BLK'G. W/5/8" TYPE 'X' GYP. BD. ON INSIDE FACE - 1-HR. RATED CONSTRUCTION (TYP. @ ALL EXTERIOR WALLS)
EXTEND GUEST ROOM SIDE GYP. BD. TO UNDERSIDE OF FLOOR SHEATHING ABOVE (TYP @ ALL CORRIDOR WALLS)
1" GYPCRETE O/ 3/4" PLYWD. O/ I-JOISTS @ 24" O.C. (TYP.)
TOP OF GYPCRETE ELEV. +20'-2 3/8"
SEE SHEET A10 FOR PARTITION TYPES & FLOOR ASSEMBLIES (TYP.)
7/8 CEM. PLASTER O/ PLYWOOD (TYP.)
1" GYPCRETE O/ 3/4" PLYWD. O/ 2X6 JOISTS @ 12" O.C.
CEM. PLASTER O/ FOAM BAND
TOP OF GYPCRETE ELEV. +11'-1"
RETAIL SPACE
2X6 STUDS @ 16" O.C.
TOP OF SLAB ELEV. +0'-0"
CONC. SLAB & FOOTINGS -REFER TO STRUCT. DWGS. -REFER TO SHEET S2 FOR FLOOR REINFORCING
13 S6
10 S6
11 S6
7 S6
10'-5/8
-5/8
-5 1/2"
6 3/4"
10'-6 3/4"

A
A7B

BUILDING SECTION

SCALE: 3/8" = 1'-0"

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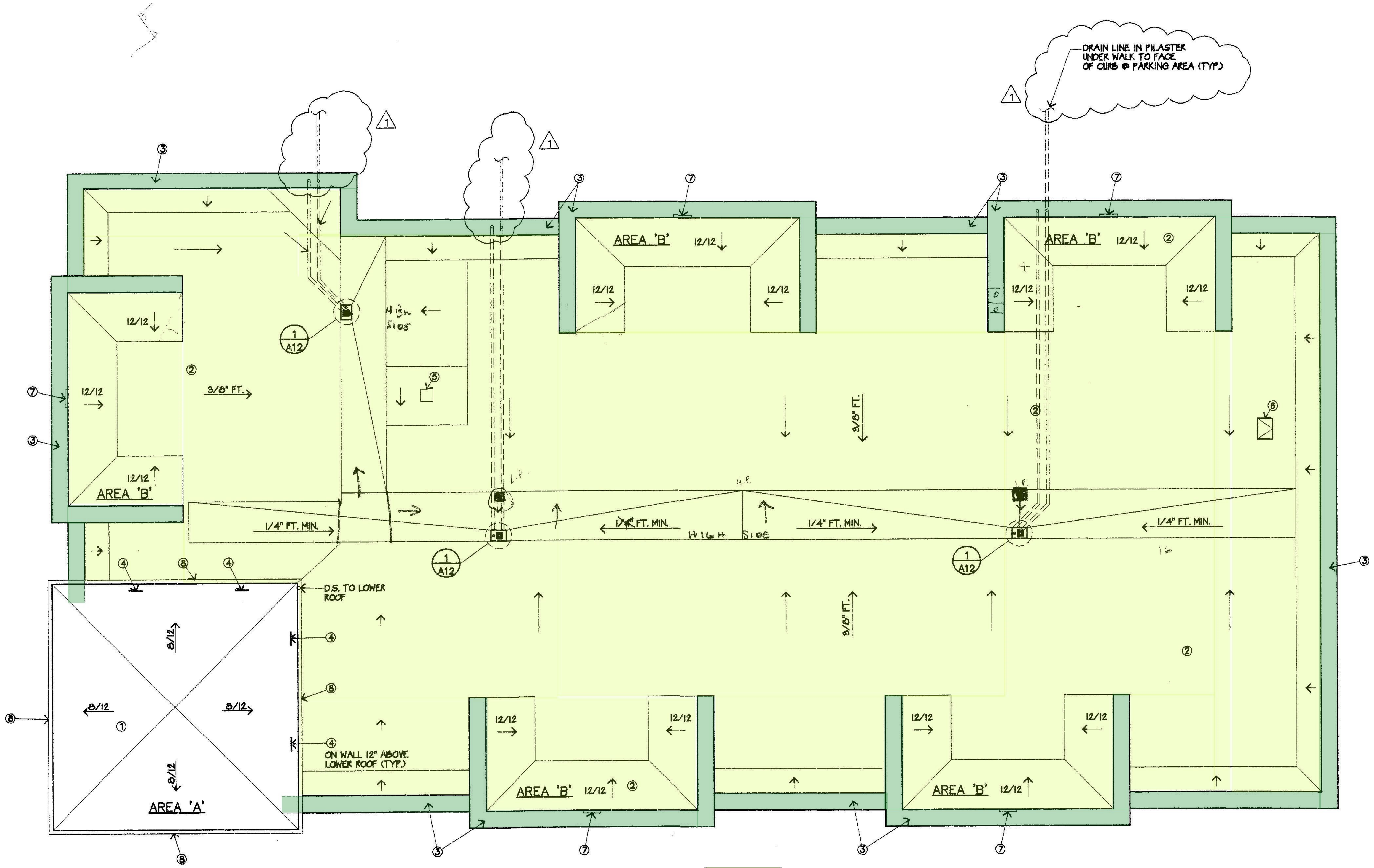
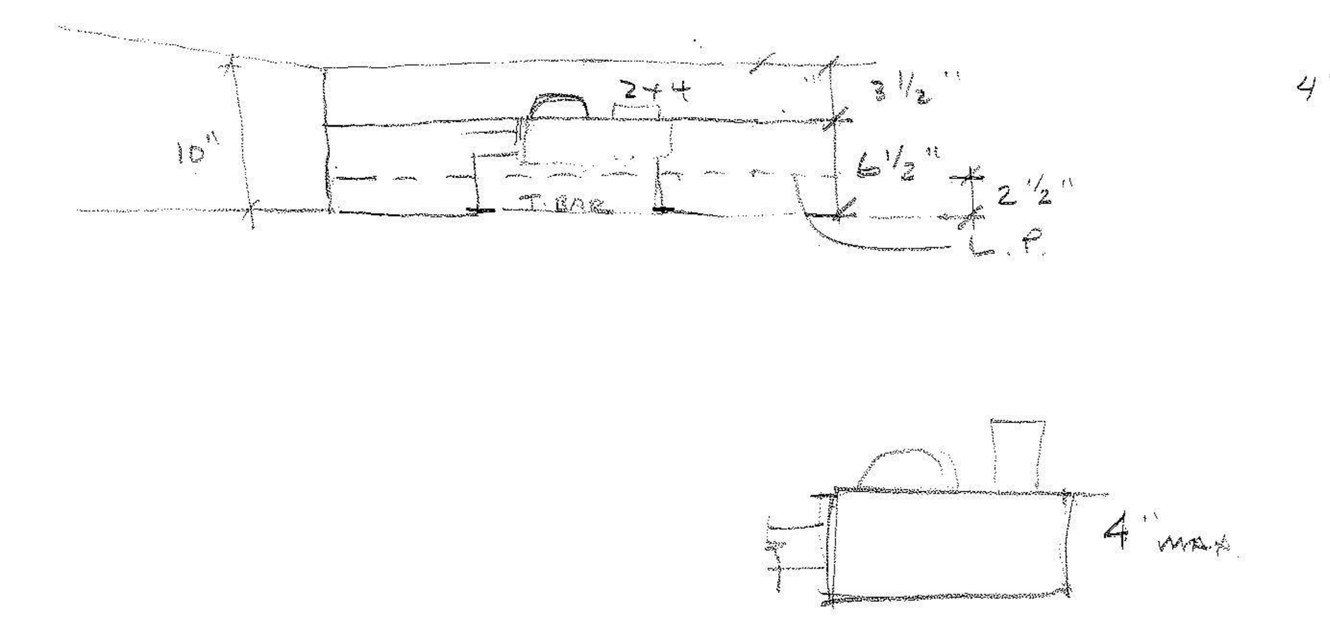
RECEIVED JUL 11 2002 CENTRAL PERMITS OFFICE ALAMEDA, CA 94501

A7B
SHEET
OF



Roofing Material

Parapet Cap



REVISIONS PER CITY OF ALAMEDA 7/3/02

ROOF MATERIAL LEGEND

1. CONCRETE ROOF TILES/
   - CLASS 'A' FIRE RATING
   - INSTALLATION SHALL COMPLY W/ U.B.C. STANDARD 15-5 & MANUFACTURERS INSTRUCTIONS
2. CLASS 'A' 3 PLY BUILT-UP ROOFING W/ FIBERGLAS CAP SHEET
   - UNDERLAYMENTS/ TYPE 15 FELT
   - BASE PLIES & CAP SHEET INSTALLATION SHALL BE PER U.B.C. & MANUFACTURER'S RECOMMENDATIONS
3. SHEET METAL FLASHING CAP TYP. @ ALL PARAPET WALL TOPS (PAINTED)
4. INDICATES 14" X 24" ATTIC WALL LOUVER (TYP.) @ EA. VERTICAL PARAPET
5. COOK VENTILATOR 18" X 24" (3' SQUARE MIN.) AT ELEV. DUCT TO TOP OF ELEV. SHAFT
6. BILCO 36"X30" S-20 ROOF HATCH-INSTALL PER MANUF. RECOMMENDATIONS
7. 3'ø ATTIC WALL LOUVER (TYP.) @ EA. VERTICAL PARAPET (SEE EXT. ELEV.)
8. SHEET METAL GUTTER

ATTIC VENTILATION CALC:

AREA 'A'

676 S.F. @ 1/150 = 4.5 S.F. = 649 S.I. REQ'D.
USE 4 ATTIC WALL LOUVERS (14"X24")
@ 207 S.I. EACH = 828 S.I.

AREA 'B'

306 S.F. @ 1/150 = 2.04 S.F. = 294 S.I. REQ'D.
-USE 1 ATTIC WALL LOUVERS (3'ø)
@ 610 S.I. EACH = 610 S.I.

NOTE:

REFER TO SITE GRADING & DRAINAGE PLAN ~~(SHEET SD3)~~ FOR CONTINUATION OF ROOF DRAINAGE PIPING

ROOF DRAINAGE WATER FROM THIS BUILDING SHALL NOT BE PERMITTED TO FLOW OVER PUBLIC PROPERTY.

ALL RAIN WATER PIPING INSIDE OF BUILDING TO BE RUN WITH METAL PIPE

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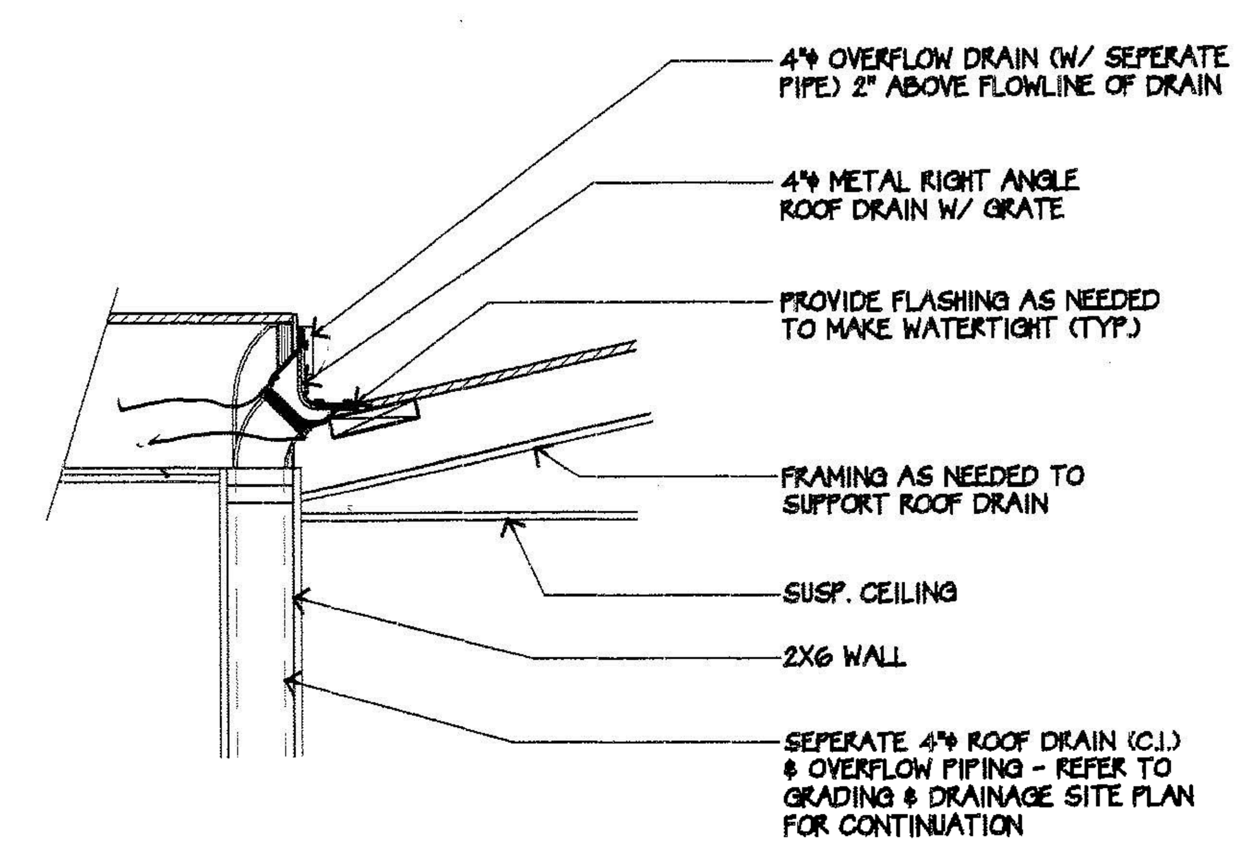
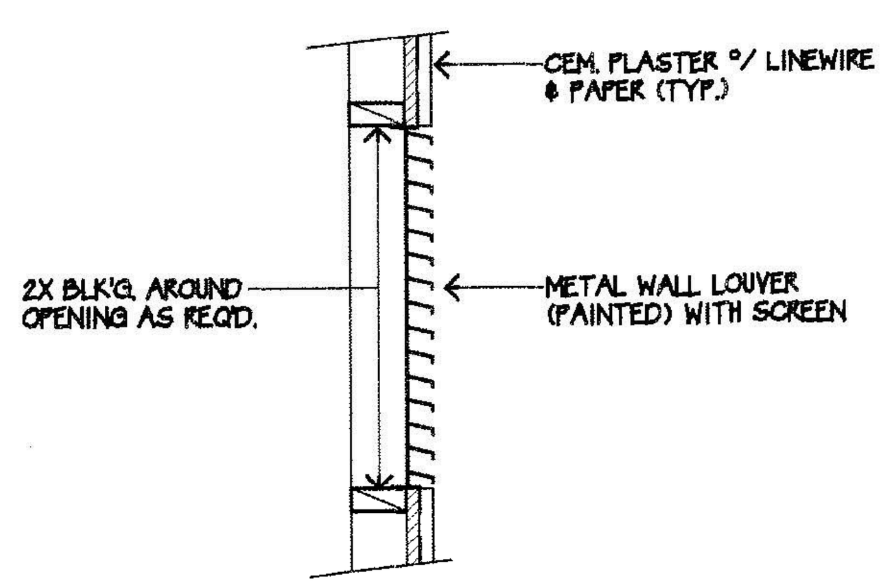


1 A12 **ROOF DRAIN DETAIL**
SCALE: 1 1/2"= 1'-0"



2 A12 **DETAIL**
SCALE: 1"= 1'-0"

DRAINAGE CALCULATIONS

UPC TABLE D-1
SAN FRANCISCO 1.5 INCHES/HOUR
TABLE 11-2
4"ø @ 1 1/2"/HR. = 5,640 SQ. FT. ROOF AREA

N

ROOF PLAN

SCALE: 1/8"=1'-0"

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LEE GAGE & ASSOCIATES, INC.
architecture • engineering • planning
7636 n. ingram suite 107 fresno, california 93711 phone (559) 439-2222

HAWTHORN SUITES LTD

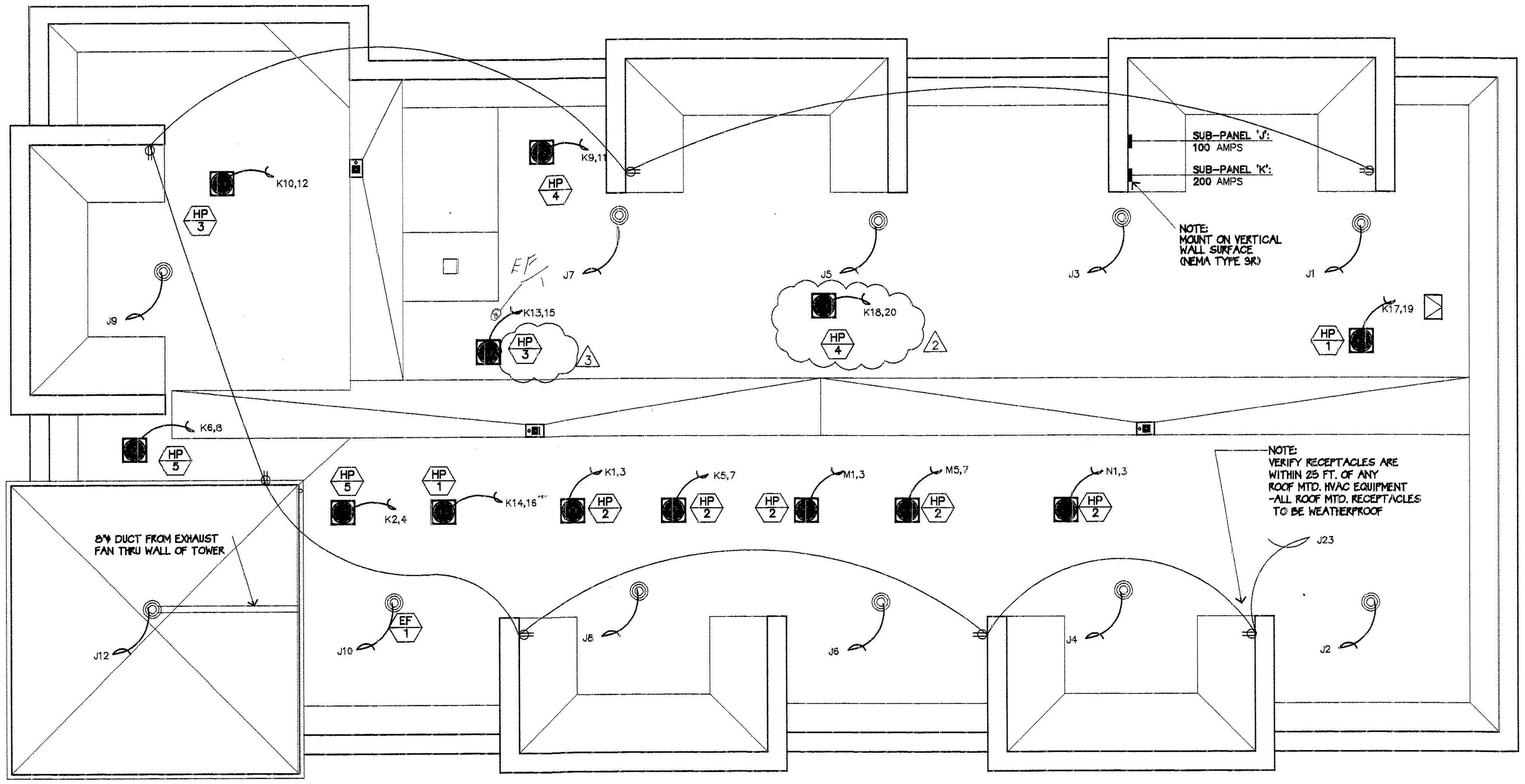
PROPOSED: **HAWTHORN SUITES LTD.**
1628 WEBSTER STREET
ALAMEDA, CA.

OWNERS: **ALAMEDA HOSPITALITY, LLC**
1940 FRANCISCAN WAY, SUITE #110
ALAMEDA, CA. 94501 PHONE/FAX(510) 814-9881

07/10/02

LICENSED ARCHITECT LEE GAGE C-9716 REN. 1-31-03 STATE OF CALIFORNIA

A12
SHEET
OF



3 REVISIONS PER ARCHITECT CLARIFICATION 7/3/02

2 REVISIONS PER OWNER REQUEST 7/3/02

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N

ELECTRICAL ROOF PLAN

SCALE: 1/8"=1'-0"

E5

SHEET
OF

ELECTRICAL LOAD CALCULATIONS

CODE LOAD:

A. GENERAL USE LOADS (GUEST ROOMS)
2VA/S.F. [PER 1993 NEC ARTICLE 220-3(b)]

1st FLOOR:	2,840 S.F. x 2VA	5,680 VA	
2nd FLOOR:	9,989 S.F. x 2VA	19,978	
3rd FLOOR:	9,989 S.F. x 2VA	19,978	
SUBTOTAL		45,636	2
4	ROOMS w/WHIRLPOOL BATH @ 1200VA/RM	4,800	
50	ROOMS w/HOSPITALITY BAR @ 1500VA/RM	75,000	
50	ROOMS w/GFI @ 1200VA/RM	60,000	2
50	ROOMS w/HAIR DRYER @ 1500VA/RM	75,000	
SUBTOTAL		280,436	
DEMAND FACTOR PER TABLE 220-11	FIRST 20kVA x 50%:	10,000	
	NEXT 80kVA x 40%:	32,000	2
	REMAINDER x 30%:	48,131	
	SUBTOTAL	90,131	

B. LIGHTING (CORRIDOR, PUBLIC & UTILITY AREAS)

PANEL A	4,188 CONNECTED x 125%	5,235 VA	
PANEL G	3,228 CONNECTED x 125%	4,035	
PANEL H	11,244 CONNECTED x 125%	14,055	
PANEL 2U	2,844 CONNECTED x 125%	3,555	
PANEL 3U	2,844 CONNECTED x 125%	3,555	
PANEL L	1,260 CONNECTED x 125%	1,575	
SUBTOTAL		32,010	

C. RECEPTACLES (CORRIDOR, PUBLIC & UTILITY AREAS)

PANEL A	13,056 CONNECTED	13,056 VA	
PANEL AA	3,264 CONNECTED	3,264	
PANEL PBX	14,460 CONNECTED	14,460	
PANEL G	14,580 CONNECTED	14,580	
PANEL H	2,160 CONNECTED	2,160	
PANEL 2U	7,200 CONNECTED	7,200	
PANEL 3U	7,200 CONNECTED	7,200	
PANEL J	1,440 CONNECTED	1,440	
PANEL L	2,028 CONNECTED	2,028	
SUBTOTAL		85,388	
DEMAND FACTOR PER TABLE 220-13	FIRST 10kVA x 100%:	10,000	
	REMAINDER x 50%:	27,694	
	SUBTOTAL	37,694	

D. LAUNDRY EQUIPMENT (100%)

				DISCONNECT RATING
GAS DRYERS	2 @ 1,368 VA EA.	2,736 VA		20A / 3 POLE
CLOTHES WASHERS	2 @ 6,840 VA EA.	13,680 VA		30A / 3 POLE
GUEST CLOTHES DRYERS (ELECT)	1 @ 5,600 VA EA.	5,600 VA	2	30A / 2 POLE
GUEST CLOTHES WASHERS	1 @ 1,440 VA EA.	1,440 VA		20A / 1 POLE
SUBTOTAL		23,456		

E. PREP AREA KITCHEN EQUIPMENT

TOTAL EQUIPMENT LOAD 33,840 CONNECTED x 65%	21,996 VA	
	21,996	

F. FUTURE RETAIL SPACES
BASED ON 1996 NEC EXAMPLE NO. D3 (STORE BUILDING)
NON-CONTINUOUS LOAD (ESTIMATE BASED ON TENANT FLOOR AREA)

1,185 S.F. x 1VA		1,185 VA	
SUBTOTAL		1,185	
DEMAND FACTOR PER TABLE 220-13	FIRST 10kVA x 100%:	1,185	
	REMAINDER x 50%:	0	
	SUBTOTAL	1,185	

CONTINUOUS LOAD (ESTIMATE BASED ON TENANT FLOOR AREA)

GENERAL USE	1,185 S.F. x 3VA	3,555 VA	
SHOW WINDOW	30 L.F. x 200 VA	6,000 VA	
OUTSIDE SIGNAGE	2 @ 1,800 VA	3,600 VA	
SUBTOTAL CONTINUOUS LOAD		13,155	
SUBTOTAL NON-CONTINUOUS LOAD		1,185	
SUBTOTAL		14,340	

ESTIMATED AIR CONDITIONING LOAD BASED ON 350 S.F./TON (INCLUDED IN MOTOR LOADS BELOW)

G. POOL/SPA EQUIPMENT (100%) — 14,650

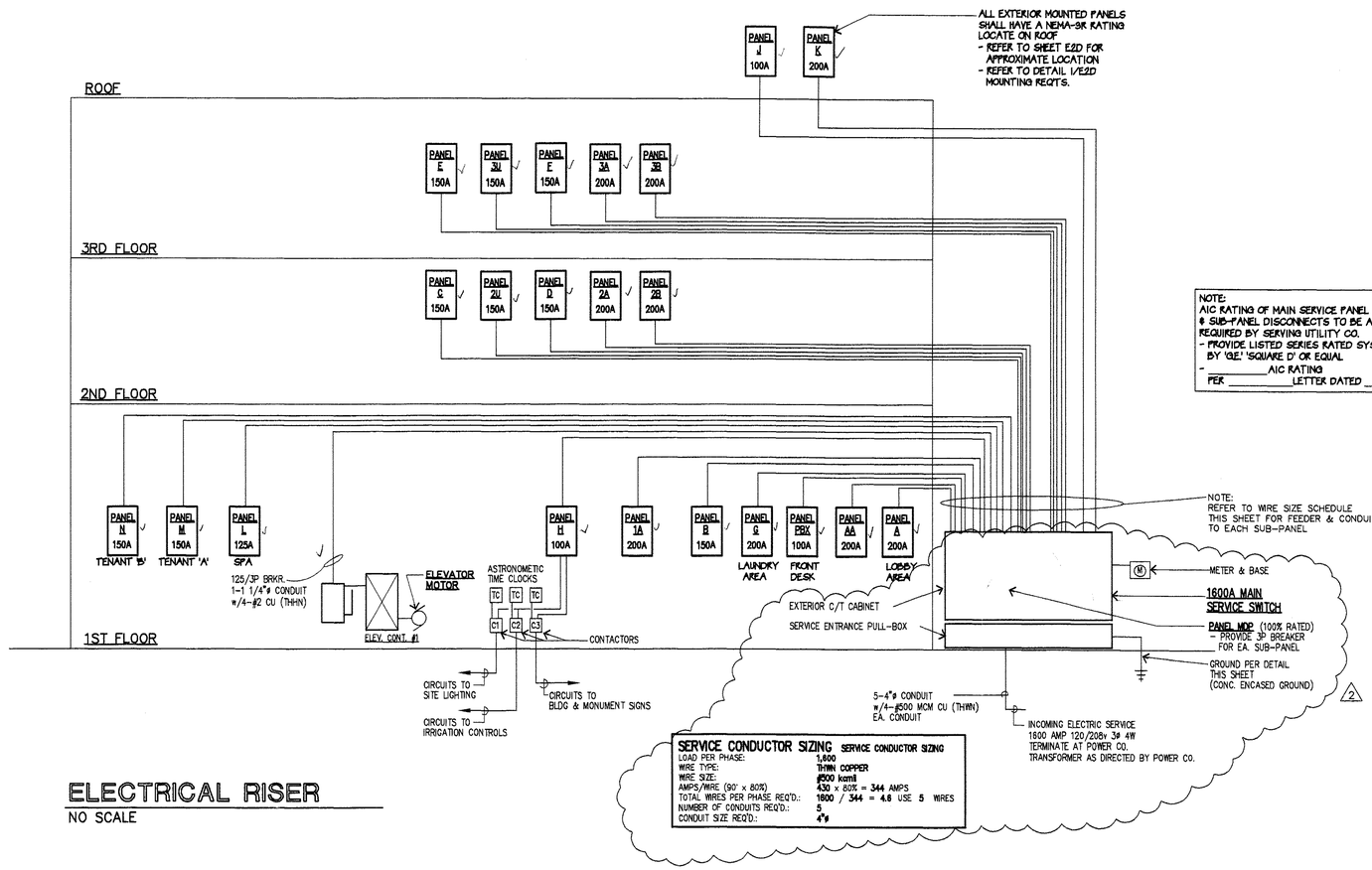
H. MOTORS

				DISCONNECT RATING	CONDUIT/WIRE SIZE
ELEVATOR: (LARGEST MOTOR)	1 @ 31,700 VA EA.	31,700 VA		125A / 3 POLE	1 1/4"C w/3-#2 & 1-#2 GND
ELEVATOR SUMP PUMP:	1 @ 864 VA EA.	864		20A / 1 POLE	1/2"C w/1-#12 & 1-#12 GND
CIRCULATING PUMPS:	2 @ 1,176 VA EA.	2,352	2 @	20A / 1 POLE	1/2"C w/1-#12 & 1-#12 GND
DOMESTIC WATER BOOSTER PUMP:	2 @ 6,012 VA EA.	12,024	2 @	30A / 3 POLE	3/4"C w/3-#10 & 1-#8 GND
FAN COIL UNITS:	2 @ 3,480 VA EA.	6,960		20A / 2 POLE	1/2"C w/2-#12 & 1-#12 GND
	5 @ 3,480 VA EA.	17,400		20A / 2 POLE	1/2"C w/2-#12 & 1-#12 GND
	2 @ 5,664 VA EA.	11,328		30A / 2 POLE	1/2"C w/2-#10 & 1-#10 GND
	2 @ 480 VA EA.	960		20A / 2 POLE	1/2"C w/2-#12 & 1-#12 GND
	2 @ 1,800 VA EA.	3,600		20A / 2 POLE	1/2"C w/2-#12 & 1-#12 GND
	2 @ 3,480 VA EA.	6,960		20A / 2 POLE	1/2"C w/2-#12 & 1-#12 GND
REMOTE HEAT PUMPS:	2 @ 2,856 VA EA.	5,712		20A / 2 POLE	1/2"C w/2-#12 & 1-#12 GND
	5 @ 3,624 VA EA.	18,120		20A / 2 POLE	1/2"C w/2-#12 & 1-#12 GND
	2 @ 5,736 VA EA.	11,472		30A / 2 POLE	1/2"C w/2-#10 & 1-#10 GND
	2 @ 2,520 VA EA.	5,040		20A / 2 POLE	1/2"C w/2-#12 & 1-#12 GND
	2 @ 4,572 VA EA.	9,144		20A / 2 POLE	1/2"C w/2-#12 & 1-#12 GND
THRU-WALL HEAT PUMPS:	67 @ 2,760 VA EA.	116,736		20A / 2 POLE	1/2"C w/2-#12 & 1-#12 GND
EXHAUST FANS:	13 @ 240 VA EA.	3,120		20A / 1 POLE	1/2"C w/1-#12 & 1-#12 GND
	2 @ 200 VA EA.	400		20A / 1 POLE	1/2"C w/1-#12 & 1-#12 GND
	3 @ 372 VA EA.	1,116		20A / 1 POLE	1/2"C w/1-#12 & 1-#12 GND
25% LARGEST MOTOR:		7,925			
SUBTOTAL		311,405			

TOTAL CODE VOLT/AMPS — 545,682 VA

TOTAL CODE AMPS = $\frac{545,682 \text{ VA}}{(208)(1.732)}$ = 1,515 AMPS

1,600 AMP MAIN SERVICE REQUIRED (100% RATED)



ELECTRICAL RISER

NO SCALE

NOTE:
ALL ELECTRICAL EQUIPMENT SHALL HAVE AN APPROVED TESTING LABORATORY LABEL ATTACHED (UL, CSA, ETC.)

INSULATION ON CONDUCTORS LOCATED IN WET LOCATIONS SHALL BE RATED THHN/THWN.

ALL 20A CIRCUITS EXCEEDING 100 FT. IN LENGTH FROM FARTHEST OUTLET TO PANEL WILL BE INSTALLED WITH #10 AWG CONDUCTORS. FIELD VERIFY LENGTH OF RUNS PRIOR TO PULLING CONDUCTORS.

AREA OF CONDUCTORS IN CONDUIT SHALL NOT EXCEED THE FOLLOWING PERCENTAGES PER TABLE 1, CHAPTER 9, 1996 NEC

1 CONDUCTOR	53%
2 CONDUCTORS	31%
OVER 2 CONDUCTORS	40%

IT IS THE INTENT OF THESE DRAWINGS FOR EACH CIRCUIT TO HAVE A SEPARATE HOMERUN TO THE SUB-PANEL WHICH PROVIDES POWER (INCLUDING CONDUIT, CONDUCTORS, GROUNDING, ETC.)
- IT SHALL BE THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO SUBMIT ANY REVISIONS TO THIS REQUIREMENT TO THE LOCAL JURISDICTION FOR REVIEW & PROVIDE THE ARCHITECT WITH COPIES OF APPROVED REVISIONS. (CONTRACTOR TO COMPLY WITH THE DE-RATING REQUIREMENTS FOR AMOUNT OF CONDUCTORS WITHIN SINGLE CONDUITS)

INSTALL PANEL FEEDERS OVERHEAD WHERE POSSIBLE. ALL BELOW GRADE CONDUIT SHALL BE PVC. OTHER WIRING METHODS SHALL BE AS PERMITTED BY STATE & LOCAL CODES & ORDINANCES. PROVIDE & INSTALL APPROVED FIRESTOP MATERIAL AT FIRE RATED WALL PENETRATIONS.

BREAKERS IN SWITCHBOARD AND BRANCH CIRCUIT PANELS SHALL HAVE SERIES RATED INTEGRATED AIC RATING EXCEEDING MAXIMUM FAULT AVAILABLE AT SWITCHBOARD FROM UTILITY COMPANY'S TRANSFORMER.
- CONTRACTOR SHALL VERIFY WITH SERVING UTILITY COMPANY PRIOR TO FABRICATION OF SWITCHBOARD.
- MINIMUM AIC RATING SHALL BE AS INDICATED

EQUIPMENT IDENTIFICATION REQUIREMENTS
1. SERIES RATED OVERCURRENT DEVICES SHALL BE IDENTIFIED PER N.E.C. SECTION 110-22 & 240-83.
2. ELECTRICAL EQUIPMENT WITHSTAND RATINGS SHALL COMPLY WITH N.E.C. SECTION 110-10.

VOLTAGE DROP CALCULATION
VD = 1.73 x L x R x I / 1000

Panel	Wire Type	Length (L)	Total Load To Panel	Volts	No. of Phase Wires	Wire Size	Wire Resistance (R)	Amps/Wire (I)	Voltage Drop (VD)	VD% (VD / Volts)x100
A	CU	200	50112	208	1	#3/0	0.0880	138.2619	4.90	2.36%
AA	CU	200	41232	208	1	#3/0	0.0880	114.5843	4.03	1.94%
PBX	CU	200	14820	208	1	#1	0.1600	41.1850	2.64	1.27%
B	CU	200	19320	208	1	#3/0	0.0880	53.6905	1.89	0.91%
C	CU	200	33120	208	1	#3/0	0.0880	92.0409	3.24	1.56%
D	CU	200	35880	208	1	#3/0	0.0880	99.7110	3.51	1.69%
E	CU	200	33120	208	1	#3/0	0.0880	92.0409	3.24	1.56%
F	CU	200	35880	208	1	#3/0	0.0880	99.7110	3.51	1.69%
G	CU	200	44352	208	1	#3/0	0.0880	123.2548	4.34	2.09%
H	CU	200	14808	208	1	#3/0	0.0880	41.1516	1.45	0.70%
1A	CU	200	34488	208	1	#3/0	0.0880	95.8426	3.37	1.62%
2U	CU	200	25284	208	1	#3/0	0.0880	70.2646	2.47	1.19%
2A	CU	200	50688	208	1	#3/0	0.0880	140.8626	4.96	2.38%
2B	CU	200	46632	208	1	#3/0	0.0880	129.5909	4.56	2.19%
3U	CU	200	25284	208	1	#3/0	0.0880	70.2646	2.47	1.19%
3A	CU	200	50688	208	1	#3/0	0.0880	140.8626	4.96	2.38%
3B	CU	200	46632	208	1	#3/0	0.0880	129.5909	4.56	2.19%
Roof-J	CU	200	5760	208	1	#1	0.1600	16.0071	1.02	0.49%
Roof-K	CU	200	32880	208	1	#3/0	0.0880	91.3739	3.22	1.55%
Retail - M	CU	200	17952	208	1	#3/0	0.0880	49.8868	1.76	0.84%
Retail - N	CU	200	10128	208	1	#3/0	0.0880	28.1458	0.99	0.48%
Pool-L	CU	200	20928	208	1	#3/0	0.0880	58.1592	2.05	0.98%

BREAKER/CONDUCTOR SCHEDULE

LOAD	MIN. BREAKER REQUIRED	MINIMUM CONDUCTORS	MIN. CONDUIT REQUIRED
<=16 AMPS	20	#12 THHN (CU)	1/2"
16.1-24 AMPS	30	#10 THHN (CU)	1/2"
24.1-32 AMPS	40	#8 THHN (CU)	3/4"
32.1-40 AMPS	50	#6 THHN (CU)	3/4"
40.1-60 AMPS	75	#4 THHN (CU)	1"ø

WIRE SIZE SCHEDULE

PANEL RATING	WIRE SIZE	GROUNDING CONDUCTOR	CONDUIT
400 AMP	4-#500 MCM CU (THHN)	1-#3	1-3 1/2"ø
225 AMP	4-4/0 CU (THHN)	1-#4	1-2 1/2"ø
200 AMP	4-3/0 CU (THHN)	1-#6	1-2"ø
150 AMP	4-1/0 CU (THHN)	1-#6	1-2"ø
125 AMP	4-#1 CU (THHN)	1-#6	1-1 1/2"ø
100 AMP	4-#1 CU (THHN)	1-#8	1-1 1/2"ø
CONDUIT SIZES ARE FOR ELECTRICAL METALLIC TUBING OR SCHEDULE 40 PVC - PER TABLES C1 & C10 (1996 NEC)			

SUB-PANEL BREAKER SCHEDULE

PANEL SIZE	MIN. BREAKER REQ'D. @ MAIN	POLES
100 AMPS	100	3
150 AMPS	150	3
200 AMPS	200	3
225 AMPS	225	3
400 AMPS	400	3

EQUIPMENT GROUNDING CONDUCTOR SCHEDULE

OVER-CURRENT DEVICE	COPPER (AWG)	ALUMINUM OR COPPER-CLAD ALUMINUM (AWG)
20	12	10
30	10	8
40	10	8
60	10	8
100	8	6
200	6	4
- PER N.E.C. TABLE 250-95		

CONDUCTOR/CONDUIT SCHEDULE

CONDUIT TYPE / CONDUIT SIZE	ELECTRICAL METALLIC TUBING (C1)					ELECTRICAL NON-METALLIC TUBING (C2)					FLEXIBLE METALLIC TUBING (C3)					SCHEDULE 40 RIGID PVC & HDPE CONDUIT (C10)				
THHN/THWN CONDUCTOR SIZE	MAX. NUMBER OF CONDUCTORS IN CONDUIT (PER 1996 N.E.C. APPENDIX 'C')																			
	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
#12 (CU)	9	16	26	45	61	101	7	13	23	42	58	98	9	16	24	38	56	98	8	15	25	43	59	99
#10 (CU)	5	10	16	28	38	63	4	8	15	26	36	60	6	10	15	24	35	62	5	9	15	27	37	62
#8 (CU)	3	6	9	16	22	36	2	5	8	15	21	35	3	6	9	14	20	35	3	5	9	16	21	36
#6 (CU)	2	4	7	12	16	26	1	3	6	11	15	25	2	4	6	10	14	25	1	4	6	11	15	26
#4 (CU)	1	2	4	7	10	16	1	1	4	7	9	15	1	2	4	6	9	16	1	2	4	7	9	16
#3 (CU)	1	1	3	6	8	13	1	1	3	5	8	13	1	1	3	5	7	13	1	1	3	6	8	13
#2 (CU)	1	1	3	5	7	11	1	1	2	5	6	11	1	1	3	4	6	11	1	1	3	5	7	11
#1 (CU)	1	1	1	4	5	8	1	1	1	3	5	8	1	1	1	3	4	8	1	1	1	3	5	8
#1/0 (CU)	1	1	1	3	4	7	0	1	1	3	4	7	1	1	1	2	4	7	1	1	1	3	4	7
#2/0 (CU)	0	1	1	2	3	6	0	1	1	2	3	5	0	1	1	1	3	6	0	1	1	2	3	6
#3/0 (CU)	0	1	1	1	2	5	0	1	1	1	3	4	0	1	1	1	2	5	0	1	1	1	3	5
#4/0 (CU)	0	1	1	1	1	4	0	0	1	1	2	4	0	1	1	1	1	4	0	1	1	1	2	4

2 REVISIONS PER OWNER REQUEST 7/3/02

3 REVISIONS PER ARCHITECT CLARIFICATION 7/3/02

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ALAMEDA, CA.

OWNERS: **ALAMEDA HOSPITALITY, LLC**
1940 FRANCISCO BLVD. EAST, SUITE A
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HAWTHORN SUITES LTD

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ALAMEDA, CA

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LICENSED ARCHITECT LEE GAGE 6496718 REN. 1-31-03 STATE OF CALIFORNIA

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SHEET ____
OF ____