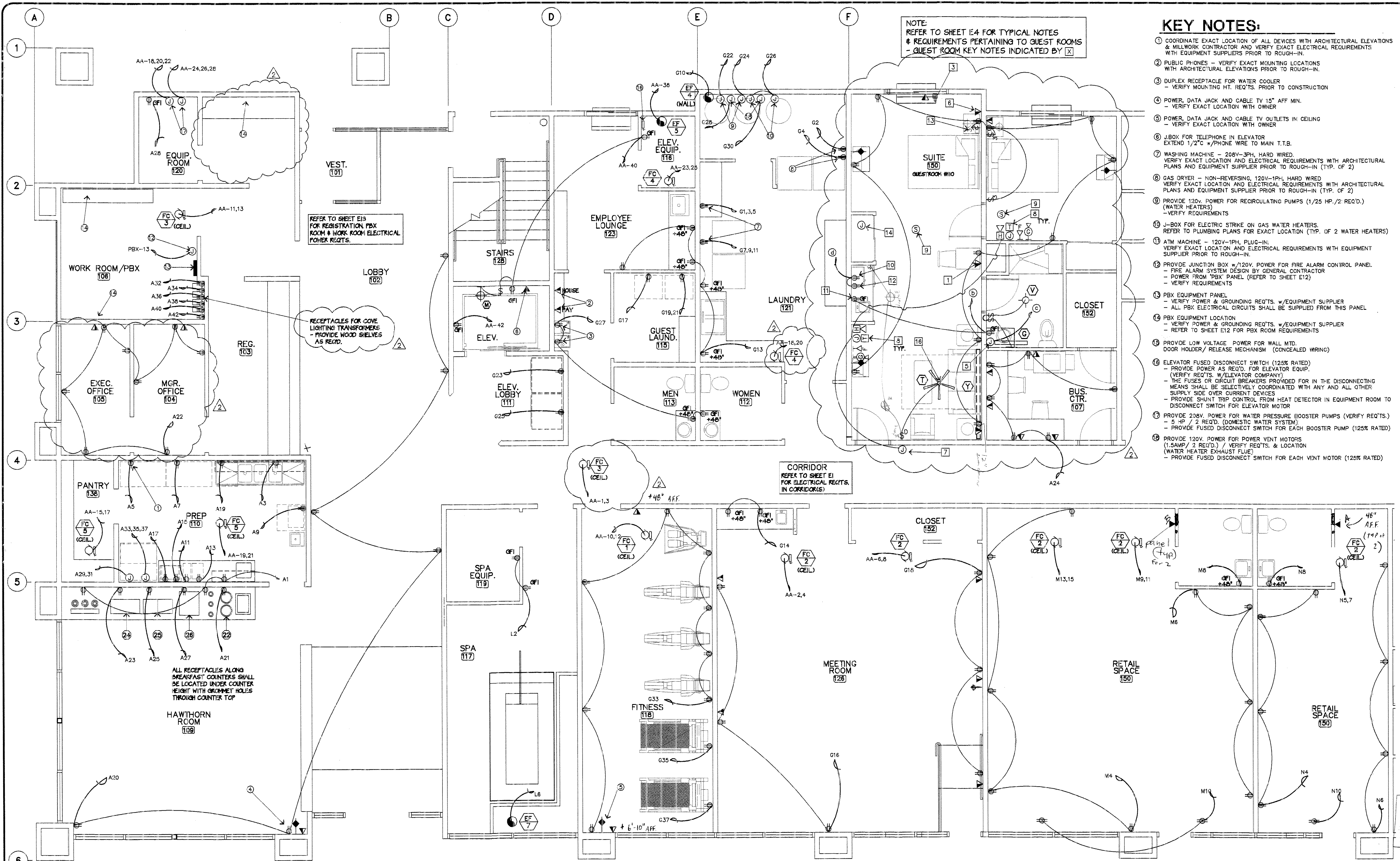




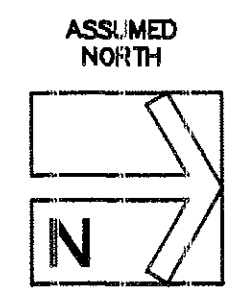
- ### KEY NOTES:
- COORDINATE EXACT LOCATION OF ALL DEVICES WITH ARCHITECTURAL ELEVATIONS & MILLWORK CONTRACTOR AND VERIFY EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIERS PRIOR TO ROUGH-IN.
 - PUBLIC PHONES - VERIFY EXACT MOUNTING LOCATIONS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
 - DUPLEX RECEPTACLE FOR WATER COOLER - VERIFY MOUNTING HT. REQ'TS. PRIOR TO CONSTRUCTION.
 - POWER, DATA JACK AND CABLE TV 15" AFF MIN. - VERIFY EXACT LOCATION WITH OWNER.
 - POWER, DATA JACK AND CABLE TV OUTLETS IN CEILING - VERIFY EXACT LOCATION WITH OWNER.
 - J-BOX FOR TELEPHONE IN ELEVATOR - EXTEND 1/2" C W/PHONE WIRE TO MAIN T.T.B.
 - WASHING MACHINE - 208V-3PH, HARD WIRED - VERIFY EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH ARCHITECTURAL PLANS AND EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN (TYP. OF 2).
 - GAS DRYER - NON-REVERSING, 120V-1PH, HARD WIRED - VERIFY EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH ARCHITECTURAL PLANS AND EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN (TYP. OF 2).
 - PROVIDE 120V. POWER FOR RECIRCULATING PUMPS (1/25 HP./2 REQ'D.) (WATER HEATERS) - VERIFY REQUIREMENTS.
 - J-BOX FOR ELECTRIC STRIKE ON GAS WATER HEATERS. - REFER TO PLUMBING PLANS FOR EXACT LOCATION (TYP. OF 2 WATER HEATERS).
 - ATM MACHINE - 120V-1PH, PLUG-IN - VERIFY EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
 - PROVIDE JUNCTION BOX W/120V. POWER FOR FIRE ALARM CONTROL PANEL - FIRE ALARM SYSTEM DESIGN BY GENERAL CONTRACTOR - POWER FROM "PBX" PANEL (REFER TO SHEET E12) - VERIFY REQUIREMENTS.
 - PBX EQUIPMENT PANEL - VERIFY POWER & GROUNDING REQ'TS. W/EQUIPMENT SUPPLIER - ALL PBX ELECTRICAL CIRCUITS SHALL BE SUPPLIED FROM THIS PANEL.
 - PBX EQUIPMENT LOCATION - VERIFY POWER & GROUNDING REQ'TS. W/EQUIPMENT SUPPLIER - REFER TO SHEET E12 FOR PBX ROOM REQUIREMENTS.
 - PROVIDE LOW VOLTAGE POWER FOR WALL MTD. DOOR HOLDER/ RELEASE MECHANISM (CONCEALED WIRING).
 - ELEVATOR FUSED DISCONNECT SWITCH (125% RATED) - PROVIDE POWER AS REQ'D. FOR ELEVATOR EQUIP. (VERIFY REQ'TS. W/ELEVATOR COMPANY) - THE FUSES OR CIRCUIT BREAKERS PROVIDED FOR IN THE DISCONNECTING MEANS SHALL BE SELECTIVELY COORDINATED WITH ANY AND ALL OTHER SUPPLY SIDE OVER CURRENT DEVICES - PROVIDE SHUNT TRIP CONTROL FROM HEAT DETECTOR IN EQUIPMENT ROOM TO DISCONNECT SWITCH FOR ELEVATOR MOTOR.
 - PROVIDE 208V. POWER FOR WATER PRESSURE BOOSTER PUMPS (VERIFY REQ'TS.) - 5 HP / 2 REQ'D. (DOMESTIC WATER SYSTEM) - PROVIDE FUSED DISCONNECT SWITCH FOR EACH BOOSTER PUMP (125% RATED).
 - PROVIDE 120V. POWER FOR POWER VENT MOTORS (1.5AMP / 2 REQ'D.) / VERIFY REQ'TS. & LOCATION (WATER HEATER EXHAUST FLUE) - PROVIDE FUSED DISCONNECT SWITCH FOR EACH VENT MOTOR (125% RATED).

ENLARGED MEETING ROOMS, LOBBY & HAWTHORN ROOM ELECTRICAL - POWER FLOOR PLAN

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

NOTE: REFER TO SHEET E1 FOR LOCATION OF ALL 1ST FLOOR SUB-PANELS.

REVISIONS PER OWNER REQUEST
7/3/02



LEE GAGE & ASSOCIATES, INC.
architectural • engineering • planning
93711 phone (559) 430-2222
7636 n. Ingram suite 107 freemont, california 95711

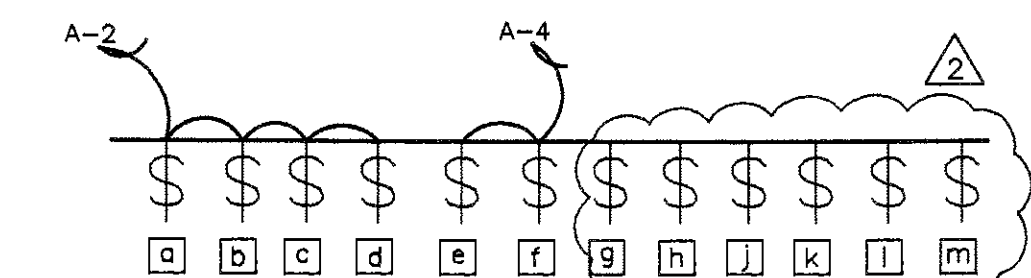
THESE DRAWINGS, DESIGNS, SPECIFICATIONS, AND ARRANGEMENTS ARE THE SOLE PROPERTY OF LEE GAGE & ASSOCIATES, INC. AND ARE NOT TO BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF LEE GAGE & ASSOCIATES, INC.

HAWTHORN SUITES LTD.
1628 WEBSTER STREET
ALAMEDA, CA
ALAMEDA HOSPITALITY, LLC
1940 FRANKLIN WAY, SUITE #110
ALAMEDA, CA 94501 PHONE/FAX (510) 814-9881

PROPOSED: 07/19/02
OWNERS: 07/19/02
RECEIVED: 07/19/02

REGISTERED ARCHITECT
LEE GAGE
C-67718
REN. 1-31-02
STATE OF CALIFORNIA

E3
SHEET OF



① INDICATES LIGHT FIXTURE PER SCHEDULE

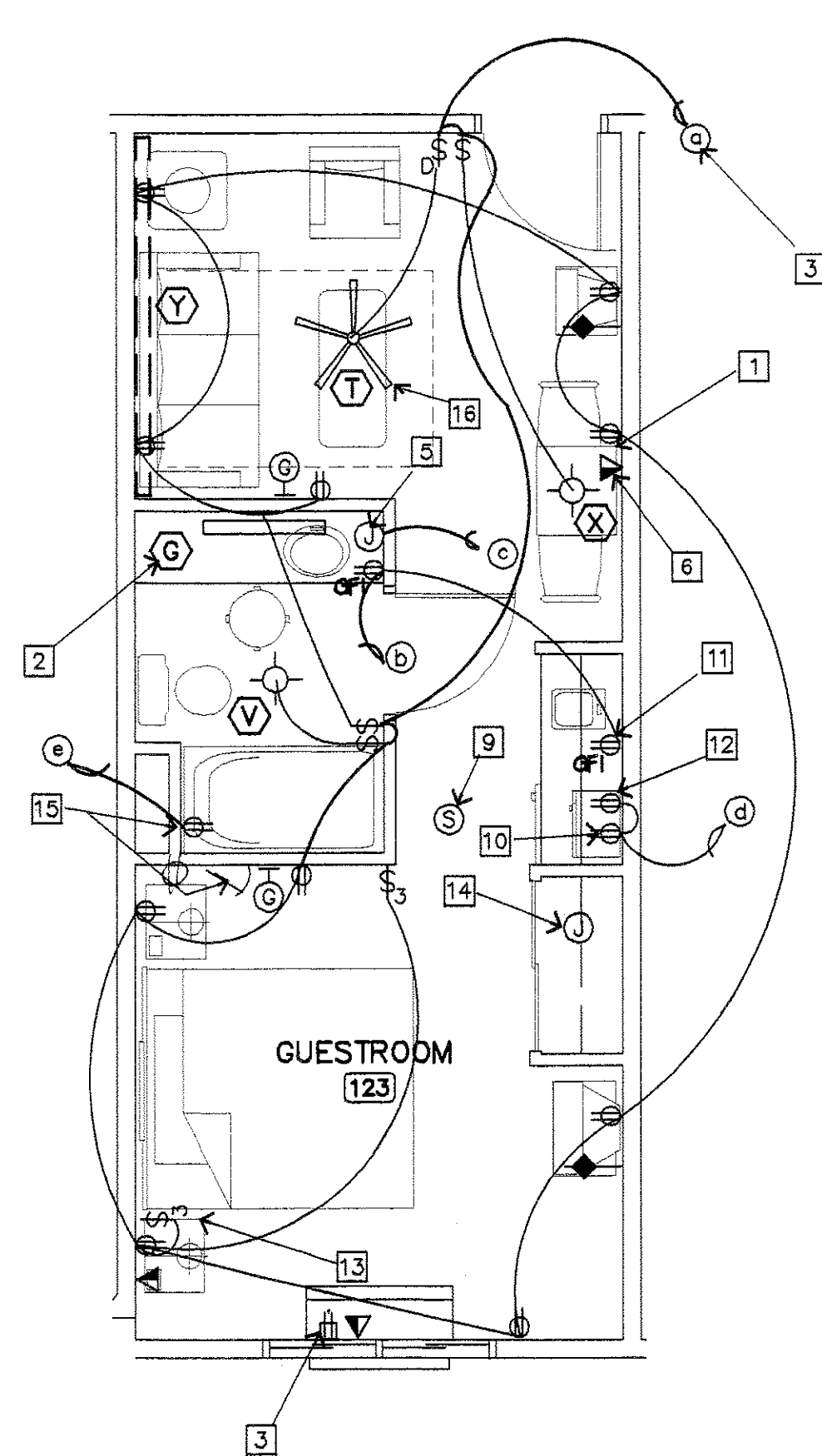
② LOBBY AREA LIGHTING SWITCHBANK LOCATION
— REFER TO DETAIL



③ INDICATES SWITCH • SWITCHBANK LOCATION

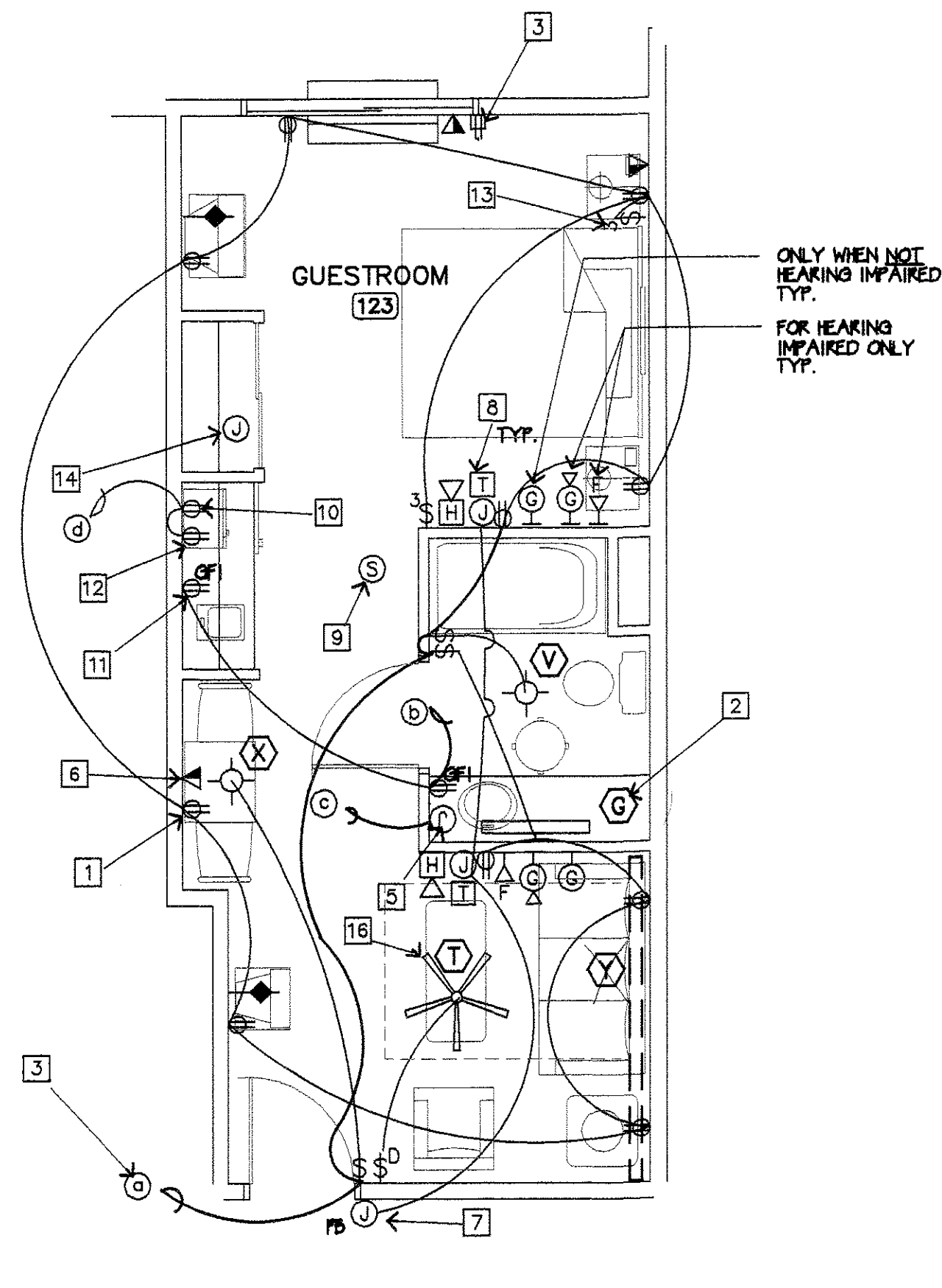
ENLARGED MEETING ROOMS,
LOBBY & HAWTHORN ROOM
ELECTRICAL - LIGHTING
FLOOR PLAN

SHEET _____
OF _____



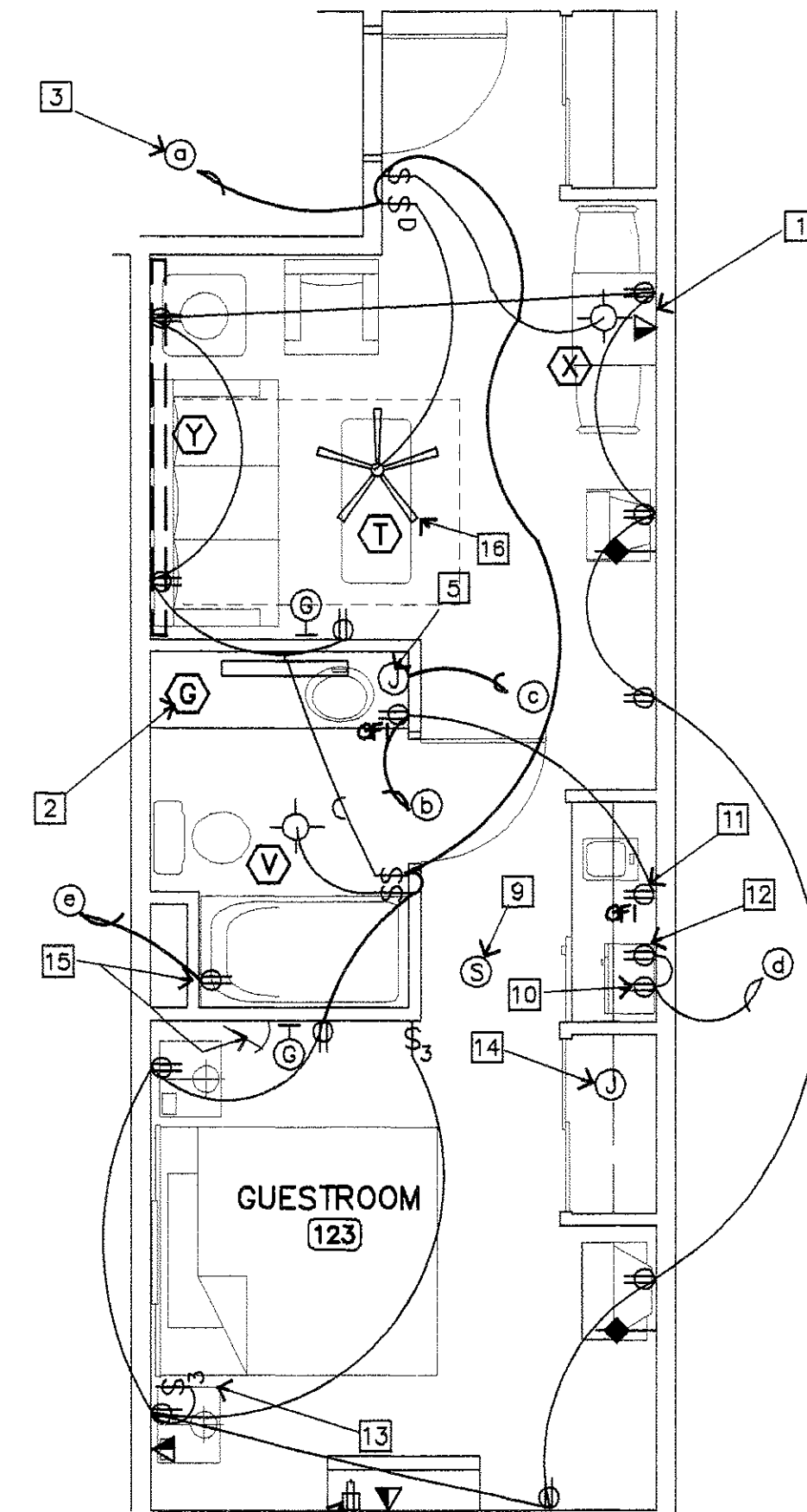
THE ROOMS WHICH REQUIRE WHIRLPOOL BATHTUBS SHALL BE LOCATED AS SHOWN ON ARCHITECTURAL DRAWINGS (SHEETS A1, A2 & A2B).

1 KING SUITE (KS)
SCALE: 1/4" = 1'-0"



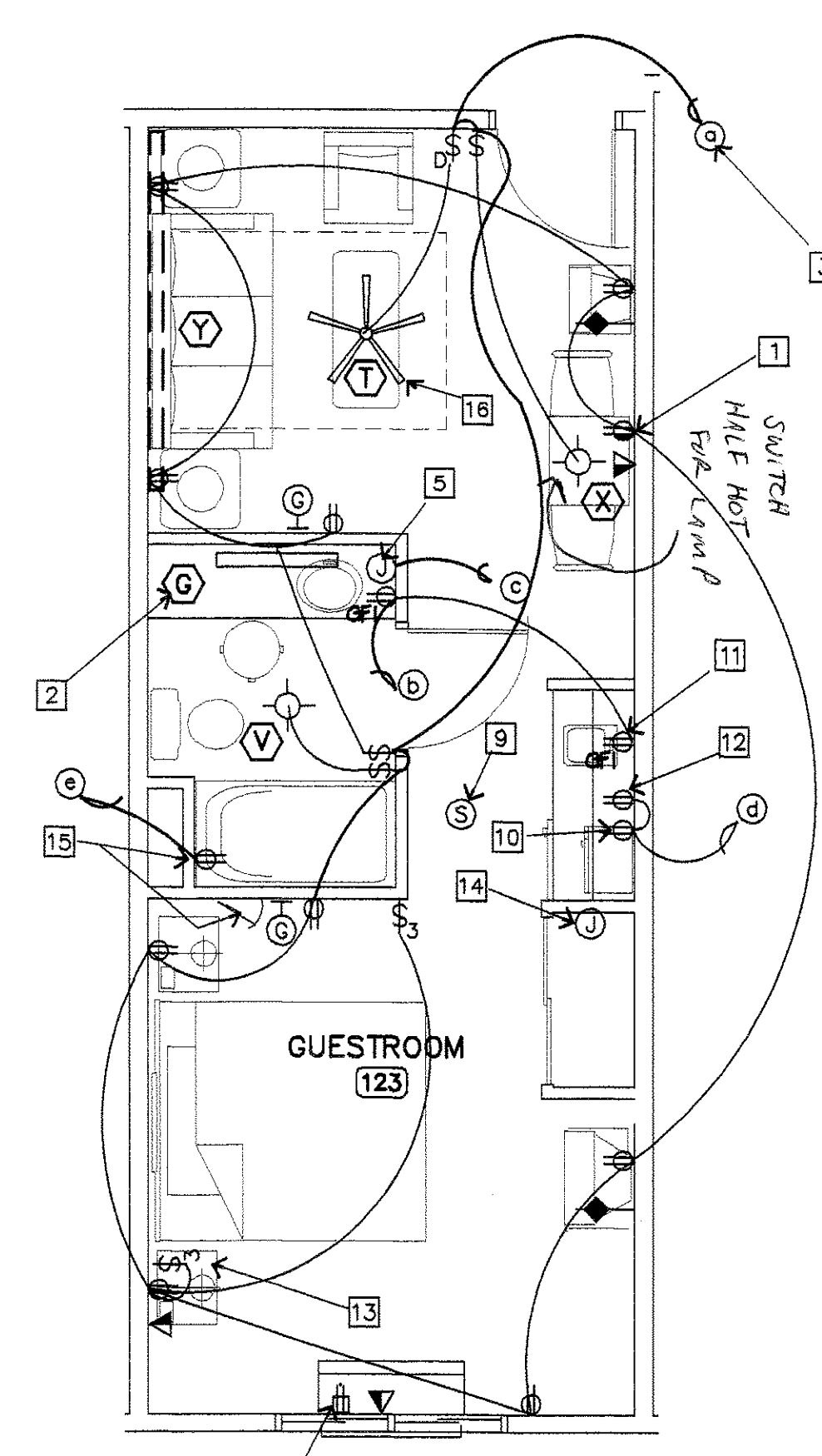
THE HEARING IMPAIRED UNITS SHALL BE LOCATED AS SHOWN ON ARCHITECTURAL DRAWINGS (SHEETS A1, A2 & A2B).

2 KING SUITE (KS2)
SCALE: 1/4" = 1'-0"

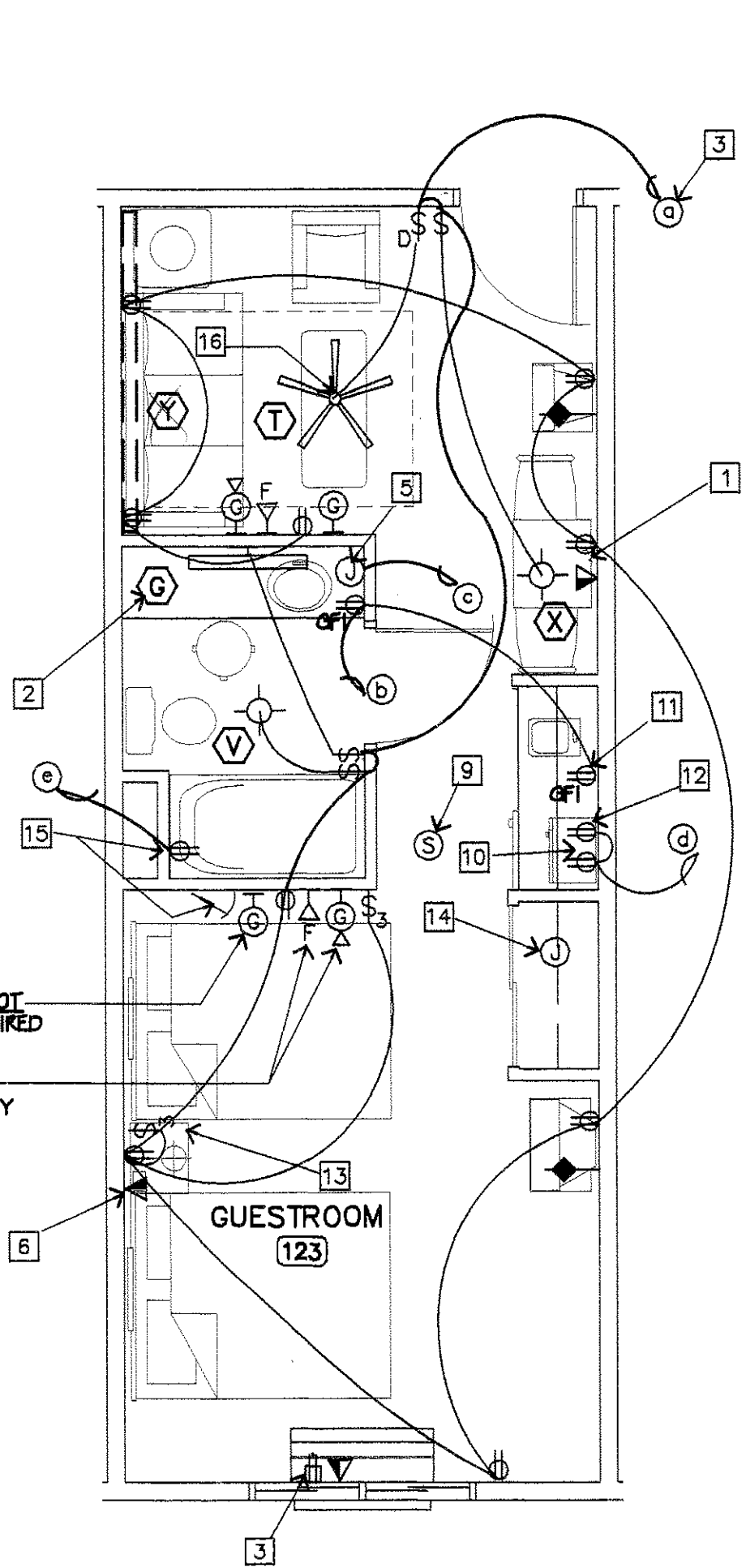


THE ROOMS WHICH REQUIRE WHIRLPOOL BATHTUBS SHALL BE LOCATED AS SHOWN ON ARCHITECTURAL DRAWINGS (SHEETS A1, A2 & A2B).

3 KING SUITE 3 (KS3)
SCALE: 1/4" = 1'-0"



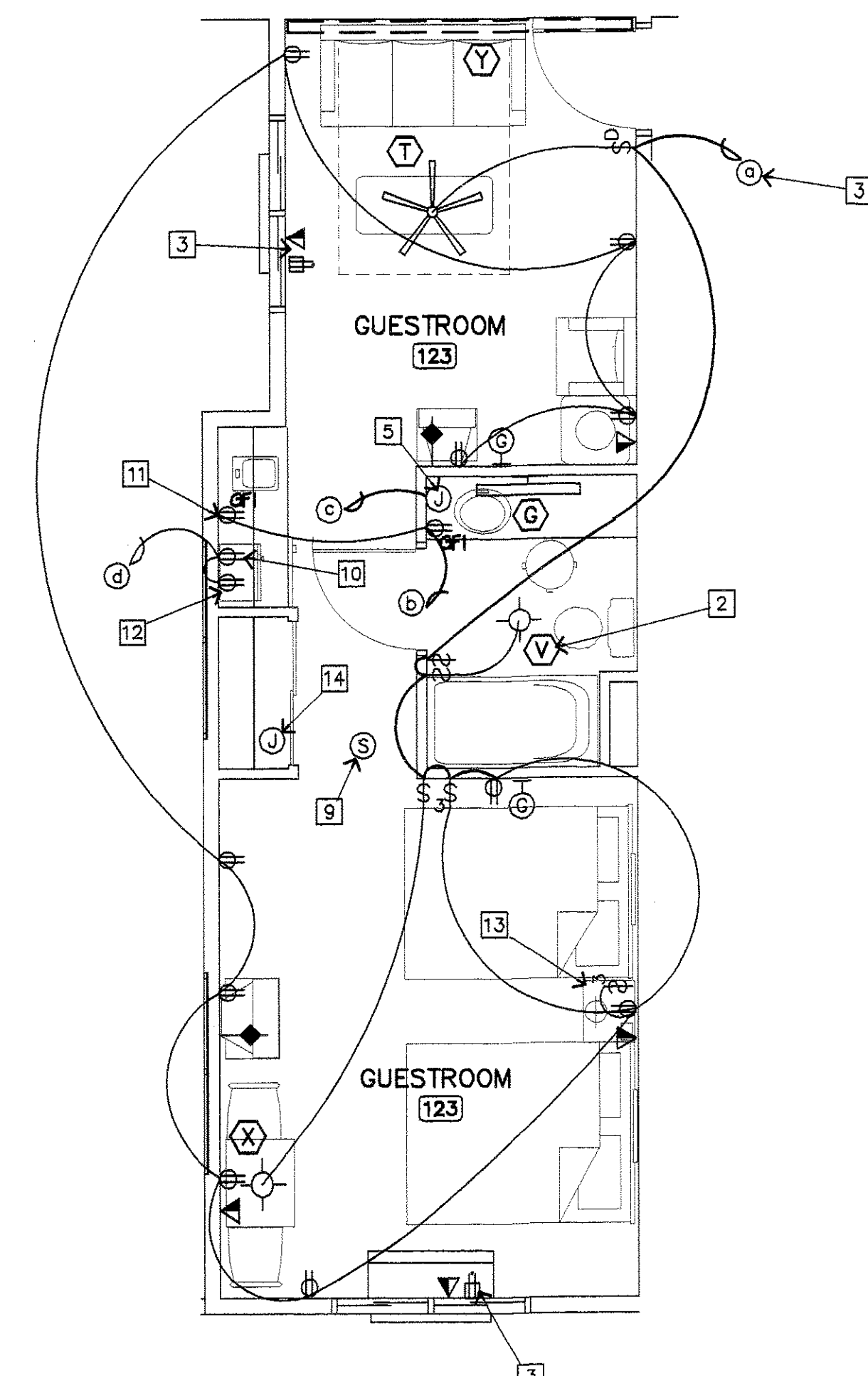
4 KING SUITE 4 (KS4)
SCALE: 1/4" = 1'-0"



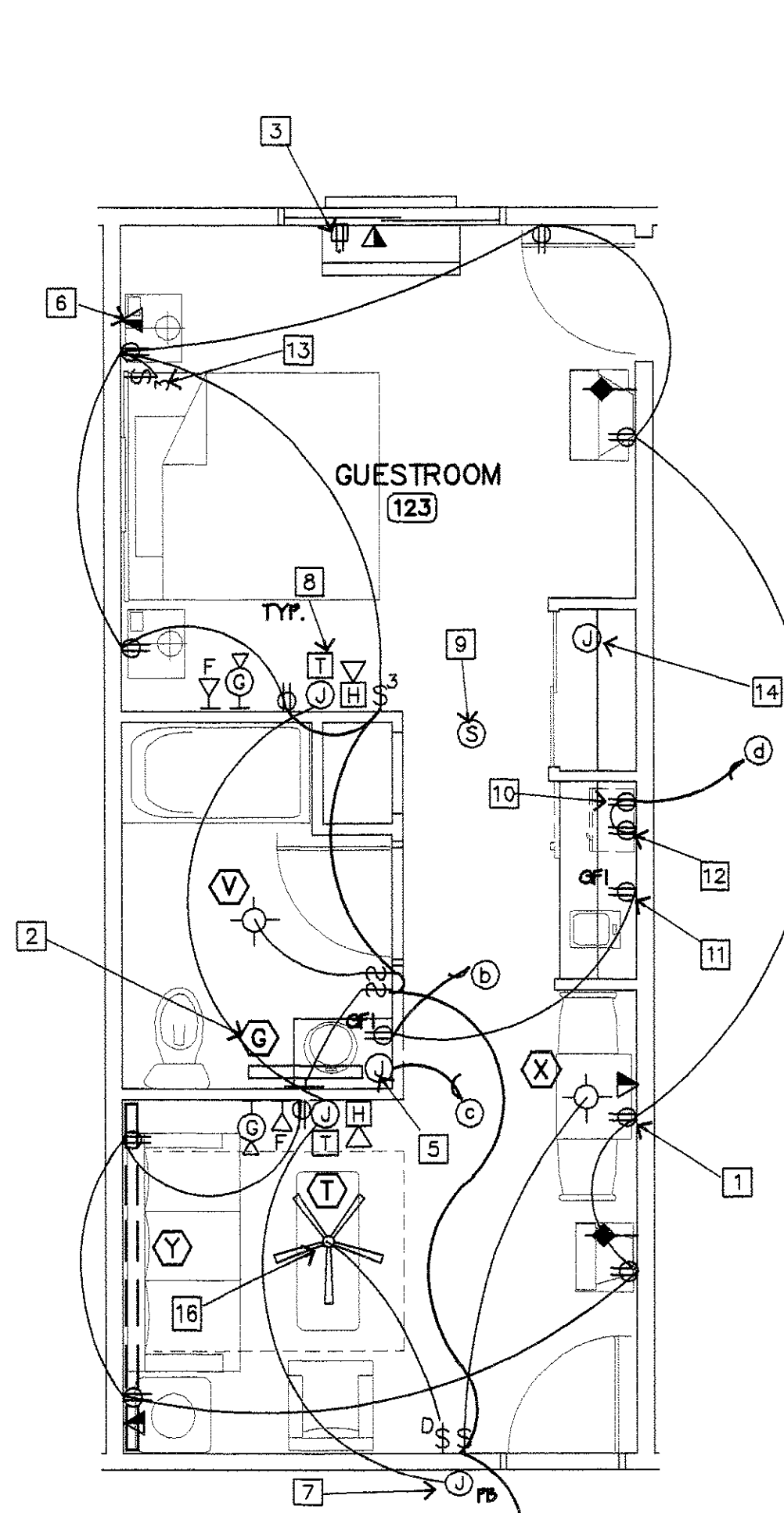
THE ROOMS WHICH REQUIRE WHIRLPOOL BATHTUBS SHALL BE LOCATED AS SHOWN ON ARCHITECTURAL DRAWINGS (SHEETS A1, A2 & A2B).

THE HEARING IMPAIRED UNITS SHALL BE LOCATED AS SHOWN ON ARCHITECTURAL DRAWINGS (SHEETS A1, A2 & A2B).

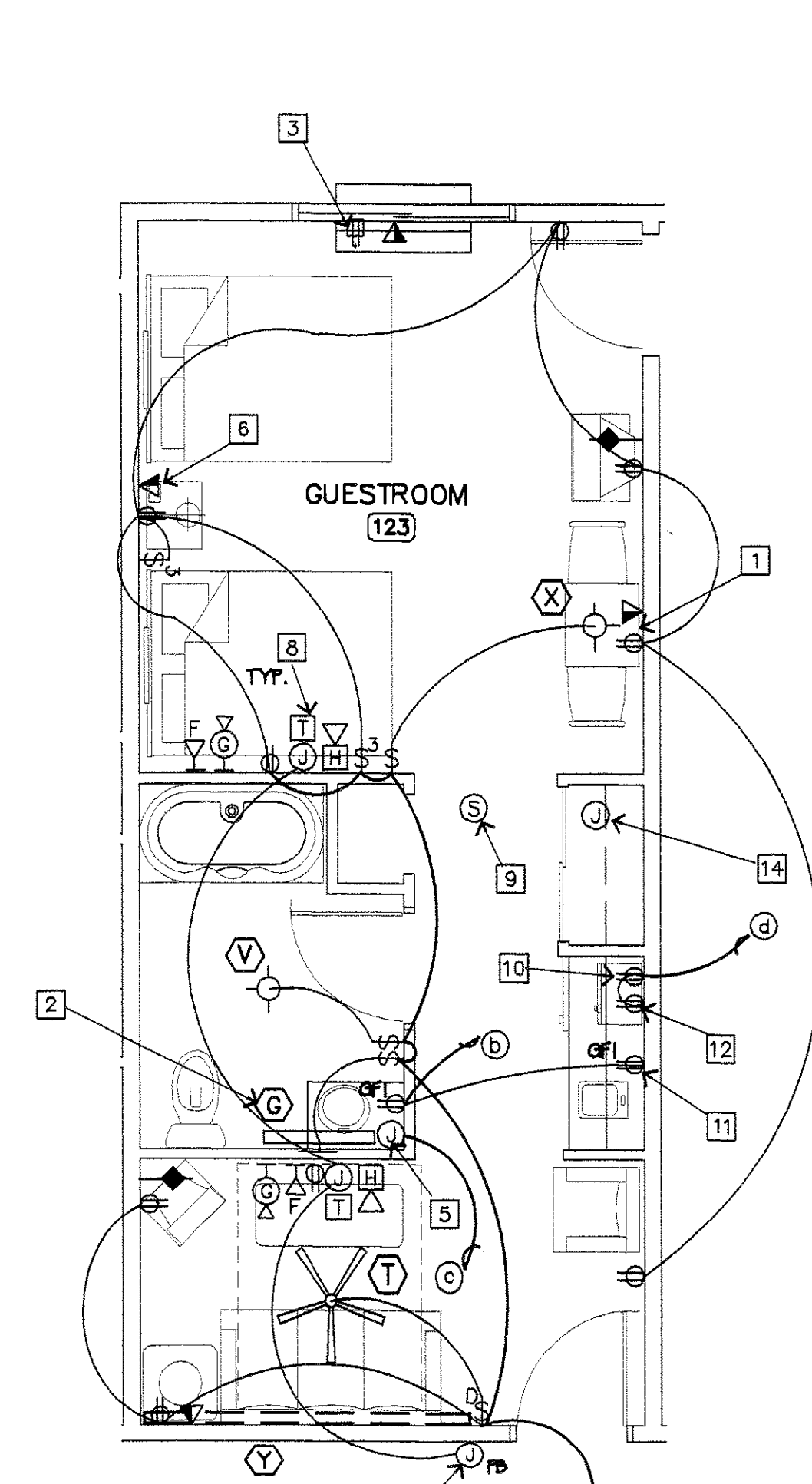
5 DOUBLE QUEEN SUITE (QQS)
SCALE: 1/4" = 1'-0"



6 DOUBLE QUEEN SUITE 2 (QQS2)
SCALE: 1/4" = 1'-0"



7 ACCESSIBLE KING SUITE (HKS)
SCALE: 1/4" = 1'-0"



8 ACCESSIBLE DOUBLE QUEEN SUITE DELUXE (HQQS)
SCALE: 1/4" = 1'-0"

KEY NOTES:

- ONE ELECT RECEPTACLE @ 34" A.F.F.
W/OBL TEL @ 34" A.F.F. (TYP. @ EACH GUESTROOM DESK)
- ONE RJ11 JACK W/CAT3 WIRE & ONE RJ45 JACK W/CAT5 WIRE
REFER TO SHEET E1
- INDICATES LIGHT FIXTURE DESIGNATION
REFER TO SHEET E1
- INDICATES CIRCUIT REQ'D. FOR THRU-WALL HVAC UNIT
- REFER TO PANEL SCHEDULE FOR CIRCUITING REQ'TS.
- THIS OUTLET TO BE LOCATED UNDER PTAC UNITS WITHIN SUB-BASE OR IN UTILITY CLOSET FOR VERTICAL UNITS
- REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT SPECIFICATIONS
- PROVIDE DATA CONTROL CONNECTION TO EACH GUEST ROOM PTAC UNIT
- INDICATES CIRCUIT DESIGNATION
- REFER TO PANEL SCHEDULE FOR CIRCUITING REQ'TS.
- TYP. ALL ROOMS
- J-BOX FOR WALL MTD. HAIR DRYER
- MOUNT @ +48" AFF
- FIXTURE PROVIDED BY OWNER & INSTALLED BY CONTR.
- TYP. ALL ROOMS
- VISUAL INDICATOR AT PHONE FOR INCOMING CALLS
- PHONE SHALL HAVE VOLUME CONTROL
- TYP. ALL PHONES WITHIN GUESTROOMS FOR HEARING IMPAIRED
- PROVIDE KEYED SHUTOFF TO DOOR BELL BUTTON
- CONNECT TO AUDIO-VISUAL INDICATOR(S) IN ROOM
- TYP. AT ALL GUESTROOMS WITH HEARING IMPAIRED PROVISIONS
- AUDIO/VISUAL DOOR INDICATOR
- TYP. AT ALL GUESTROOMS WITH HEARING IMPAIRED PROVISIONS
- CEILING MOUNTED SINGLE STATION SMOKE DETECTOR
- RECEPTACLE FOR UNDER COUNTER SMALL APPLIANCE (TYP.)
- COORDINATE W/CABINET SUPPLIER
- RECEPTACLE FOR SMALL APPLIANCE SET ON COUNTER (TYP.)
(GFI PROTECTED WHERE INDICATED)
- SET @ +48" A.F.F.
- COORDINATE W/CABINET SUPPLIER
- RECEPTACLE FOR SMALL APPLIANCE (TYP.)
- SET @ +48" A.F.F.
- COORDINATE W/CABINET SUPPLIER
- THREE-WAY SWITCH AT BED TO CONTROL LIGHT @ NIGHTSTAND
- SET @ +40" A.F.F.
- J-BOX IN CLOSET CEILING WITH SINGLE CONDUIT TO SUB-PANEL (TYP.)
- COMBINE EACH CIRCUIT HOME-RUN FROM ROOM INTO A COMMON CONDUIT
- REFER TO OVERALL FLOOR PLANS FOR CONDUIT & WIRE SIZES
- WHIRLPOOL UNITS ARE CORD & PLUG CONNECTED
- LOCATE PLUG AS REQ'D. PER MANUF'R REQ'TS.
- PROVIDE ACCESS PANEL THRU WALL BTWN BEDRM. & BATHRM.
- REFER TO OVERALL FLOOR PLAN FOR ROOMS WITH WHIRLPOOLS
- CEILING FAN TO BE SELECTED BY OWNER

HEARING IMPAIRED & FULLY ACCESSIBLE GUESTROOMS
GUESTROOMS THIS SHALL BE PROVIDED WITH VISIBLE & AUDIBLE ALARM-INDICATING APPLIANCES, ACTIVATED BY BOTH THE IN-ROOM SMOKE DETECTOR & THE BUILDING FIRE PROTECTIVE SIGNALING SYSTEM.

GUESTROOMS THIS SHALL BE PROVIDED WITH VISUAL INDICATOR AT ALL PHONES FOR INCOMING CALLS.
- PHONES SHALL ALSO BE EQUIPPED WITH VOLUME CONTROLS

4 rooms

REVISIONS PER OWNER REQUEST
7/3/02

NOTE:
REFER TO DETAILS ON SHEET FSS WHEN LOCATING OUTLET BOXES ON BOTH SIDES OF A COMMON GUESTROOM HALL.
PROVIDE (2) SEPARATE PHONE EXTENSION NUMBERS TO EACH GUEST ROOM (VOICE PHONE & DATA MODEM).
REFER TO ARCHITECTURAL DRAWINGS FOR DESIGNATION & LISTINGS OF FIRE RATED ASSEMBLY DESIGN NUMBERS. COORDINATE ELECTRICAL REQUIREMENTS WITH FIRE RESISTANCE OF MATERIALS AND CONSTRUCTION.
ALL GFI RECEPTACLES IN BATHROOMS TO BE MOUNTED @ +48" AFF. TO CENTER.
REFER TO ARCHITECTURAL SHEETS FOR ROOM NUMBERS & TO SHEETS E1, E2 & E3 FOR CIRCUIT RING.

REFER TO ARCHITECTURAL SHEETS FOR FURNITURE & FIXTURE LAYOUTS & SCHEDULES
REFER TO SHEET E-11 FOR ELECTRICAL NOTES
ALL RECEPTACLES LOCATED WITHIN 6 FT. OF A KITCHEN SINK OR WET BAR SHALL BE GFCI PROTECTED
2-RECEPTACLES SHALL BE READILY ACCESSIBLE FOR GUEST USE
ALL OTHER RECEPTACLES IN SLEEPING AREA SHALL BE LOCATED BEHIND FURNITURE WHERE POSSIBLE, YET BE READILY ACCESSIBLE FOR USE BY GUEST.
- VERIFY WITH OWNER FOR EXACT LOCATIONS PRIOR TO CONSTRUCTION

PROVIDE COMMON JUNCTION BOX FOR HAIR DRYER & DUPLEX OUTLET RECEPT. MOUNT @ +48" AFF. IN CLOSET. PROVIDE DUPLEX RECEPTACLE & LIGHT SWITCH IN TOILET ROOMS IN SAME COVER PLATE WHERE POSSIBLE. COORD. INSTALLATION REQUIREMENTS FOR HAIR DRYERS WITH DEVICE SUPPLIER.
E.G. TO SUPPLY & INSTALL ACCESSIBLE BOX W/ REMOVABLE COVER PLATE HIGH IN CLOSET ABOVE SHELF. PAINT COVER TO MATCH EXISTING WALL FINISH & INSCRIBE PANEL & CIRCUIT DESIGNATION ON INSIDE OF COVER. EXTEND GUEST ROOM CIRCUITRY AS INDICATED AND REFER TO 1/8" SCALE PLANS FOR PANEL AND CIRCUIT DESIGNATIONS AS WELL AS ADDITIONAL REQUIREMENTS ASSOCIATED W/ THE ELECTRICAL SYSTEM.

PROVIDE "GLOW-SWITCHES" AT GUEST ROOM ENTRY AND IN BATHROOM. TYPICAL FOR ALL GUESTS ROOMS.
WALL LAMPS @ NIGHT STANDS ARE PLUG WIRE
- FIXTURE PROVIDED BY OWNER & INSTALLED BY CONTR. (TYP. ALL ROOMS)

COMMUNICATIONS & CATV NOTES:
(TYP. FOR ALL GUEST ROOMS)

ALL WIRE IN CONDUIT
HOME RUN ALL CATS AND CATS WIRE FROM EACH GUESTROOM JACK TO THE MDF (MAIN DISTRIBUTION FRAME) IN PBX COMMUNICATION ROOM.
HOME RUN ALL TV CABLE (RG-6 BELDEN 9168 OR EQUIVALENT) FROM EACH TV OUTLET TO THE DISTRIBUTION PANEL IN THE PBX ROOM ALSO

PROVIDE AN INTERCONNECTING CATS WIRE BETWEEN MATV TERMINATION POINT WIRE BETWEEN MATV TERMINATION
TO THE RJ45 JACK AT DESK. PROVIDE 12" EXTRA @ EA END LEFT UNTERMINATED BEHIND THE JACK FOR EASY ACCESS, ALL WIRE TO BE IN CONDUIT.

ELECTRICAL CIRCUIT LEGEND

- ① GENERAL LIGHTS & PLUGS
- ② RESTROOM GFI
- ③ RESTROOM HAIRDRYER
- ④ HOSPITALITY BAR
- ⑤ WHIRLPOOL

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

THESE DRAWINGS, DESIGNS, SPECIFICATIONS, IDEAS & ARRANGEMENTS ARE THE SOLE & EXCLUSIVE PROPERTY OF LEE GAGE & ASSOCIATES, INC. NO PART OF THESE DRAWINGS, DESIGNS, SPECIFICATIONS, IDEAS & ARRANGEMENTS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE & RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF LEE GAGE & ASSOCIATES, INC.

HAWTHORN SUITES LTD.
1628 WEBSTER STREET
ALAMEDA, CA 94601

ALAMEDA HOSPITALITY, LLC
1940 FRANCISCAN WAY, SUITE #10
ALAMEDA, CA 94601
PHONE/FAX (510) 614-9961

07/09/02

LEE GAGE & ASSOCIATES, INC.
REGISTERED ARCHITECT
NO. 5716
EXPIRATION DATE 12/31/03
STATE OF CALIFORNIA

E4
SHEET
OF



RECEIVED
PERMITS
ALAMEDA, CA 94601

F:\ARCHDESK\SANDIP\HSA-E5.DWG

SHEET

A circular professional seal for a Licensed Architect in the State of California. The outer ring contains the text "LICENSED ARCHITECT" at the top and "STATE OF CALIFORNIA" at the bottom, separated by two stars. Inside the ring, the name "LEE GAGE" is printed at the top, the license number "C-5718" is in the center, and the renewal date "REN. 1-31-03" is at the bottom. A stylized signature is written across the center of the seal.

ELECTRICAL ABBREVIATIONS

A	AMPERES
AFF	ABOVE FINISHED FLOOR
AIC	AMPERES INTERRUPTING CAPACITY (MIN)
APPROX	APPROXIMATE
AWG	AMERICAN WIRE GAUGE
ANN	ANNUNCIATOR
BLDG	BUILDING
C	CONDUIT
CATV	CABLE TELEVISION
CKT	CIRCUIT
CONT	CONTINUATION
DIA	DIAMETER
DIM	DIMENSION
DP	DISTRIBUTION PANEL
DWG	DRAWING
EA	EACH
EC	EMPTY CONDUIT
ELEC	ELECTRICAL
EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRICAL NON-METALLIC TUBING
EOL	END OF LINE RESISTOR
EQUIP	EQUIPMENT
EUH	ELECTRIC UNIT HEATER
EWI	ELECTRIC WALL HEATER
F	FUSED
FA	FIRE ALARM
FIN	FINISH
FIX	FIXTURE
FLUOR	FLUORESCENT
GFI	GROUND FAULT INTERRUPTER
GRND	GROUND
HP	HORSEPOWER
IG	ISOLATED GROUND
INCAN	INCANDESCENT
J	JUNCTION
KVA	KILO-VOLT-AMPERE
KW	KILOWATT
LGT	LIGHT
MATV	MASTER ANTENNA TELEVISION
MAX	MAXIMUM
MCM	THOUSAND CIRCULAR MILS
MDP	MAIN DISTRIBUTION PANEL
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MPC	MINI POWER CENTER
MTG	MOUNT (ED),(ING)
N	NORTH
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
P	POLE
PMS	PROPERTY MANAGEMENT SYSTEM
PNL	PANEL
PVC	POLYVINYL CHLORIDE
RSC	RIGID STEEL CONDUIT
SD	SMOKE DETECTOR
SIM	SIMILAR
S/S	STAINLESS STEEL
TEL, T	TELEPHONE
XFMR	TRANSFORMER
TYP.	TYPICAL
UL	UNDERWRITER LABORATORIES
U.N.O.	UNLESS NOTED OTHERWISE
V	VOLT
WP	WEATHERPROOF

ELEVATOR GENERAL NOTES

- PIT LIGHTING SWITCH SHALL BE LOCATED BY DOOR 18" ABOVE LOBBY FLOOR.
- ALL 120 VAC, 20 AMP DUPLEX RECEPTACLES INSTALLED IN MACHINE ROOM, PIT AND ELEVATOR CAR TOP SHALL HAVE GROUND FAULT CIRCUIT INTERRUPTER PROTECTION.
- SMOKE DETECTORS ARE REQUIRED AT EACH ENCLOSED ELEVATOR LANDING AND MACHINE THE ROOM. IF THE ELEVATOR HOISTWAY IS SPRINKLED A SMOKE DETECTOR IS REQUIRED IN THE TOP OF THE HOISTWAY.
- THE MAIN FLOOR LANDING SMOKE DETECTORS SHALL BE ZONED SEPARATELY. ALL OTHER SMOKE DETECTORS SHALL BE ZONED TOGETHER.
- SMOKE DETECTOR RECALL WIRES SHALL BE PROVIDED WITH NORMALLY OPEN DRY ISOLATED CONTACTS AND SHALL CLOSE ON ALARM OR AS DIRECTED BY EQUIPMENT SUPPLIER.
- PROVIDE AUXILIARY CONTACTS IN MAIN LINE DISCONNECT AND A SECOND CONTACT OPERATED BY THE SHUNT TRIP BREAKER. CONTACTS ARE CLOSED WHEN SWITCHES ARE ENERGIZED. CONTACTS SHALL BE DRY AND ISOLATED WIRING SHALL TERMINATE AT THE ELEVATOR CONTROLLER.
- HEAT DETECTORS SHALL BE INSTALLED WITHIN 24" OF ALL SPRINKLER HEADS. THE HEAT DETECTORS SHALL REMOVE POWER TO THE ELEVATOR.
- THE MACHINE ROOM SMOKE DETECTOR SHALL CAUSE A WARNING LIGHT TO FLASH. THE LIGHT SHALL BE LOCATED ADJACENT TO THE HALL BUTTON AND CONTAIN THE WORKING "DO NOT USE ELEVATOR" MINIMUM LETTER SIZE IS 1/8".
- THE ELEVATOR DISCONNECTING MEANS SHALL BE PROVIDED WITH HARDWARE TO FACILITATE BEING LOCKED IN OPEN POSITION.
- ALL ELECTRICAL DEVICES, WIRING AND LOCATION OF SAME REQUIRED BY ELEVATOR CONTRACTOR AND ELEVATOR INSPECTOR SHALL BE INCLUDED IN ELECTRICAL CONTRACT.
- THE ELECTRICAL INSTALLATION FOR THE ELEVATOR SHALL COMPLY WITH N.E.C. ARTICLE 620 AND U.B.C. SECTIONS 3003, 3005 & IF APPLICABLE SECTION 905.
- INSTALL A LOCKABLE DISCONNECT IN THE ELEVATOR ROOM FOR CAB 120V POWER. PROVIDE POWER TO SWITCH FROM A DEDICATED GFI PROTECTED 20A, 120V, 1P BRANCH CIRCUIT BREAKER. COORDINATE ELEVATOR ROOM ELECTRICAL INSTALLATION WITH ELEVATOR INSTALLER.
- RUN PHONE LINE TO ELEVATOR CONTROLLER.

NOTE:

- ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE N.E.C. ELECTRICAL SAFETY ORDERS, STATE OF CALIFORNIA AND ALL OTHER APPLICABLE CODES. NOTHING IN THESE PLANS SHOULD BE MISCONSTRUED TO ALLOW OTHERWISE.
- ELECTRICAL CONTRACTOR TO VERIFY POWER REQUIREMENTS AND PHONE SERVICE REQUIREMENTS PRIOR TO BIDDING SERVICES TO CONFORM TO UTILITY COMPANY REQUIREMENTS. ELECTRICAL CONTRACTOR TO ARRANGE FOR SERVICE INSTALLATION, RELOCATION, AND/OR REMOVAL OF EXISTING SERVICES PER UTILITY COMPANY REQUIREMENTS AND DEFRAY ALL COSTS FOR SAME. OWNER SHALL PAY FOR ANY TRANSFORMER CHARGES AND SERVICE CONDITIONS; CONCRETE PAD BY ELECTRICAL CONTRACTOR.
- PROVIDE DISCONNECT SWITCH AT EACH PIECE OF HVAC EQUIPMENT.
- PROVIDE 120 VOLT OUTLET WITHIN 25 FT. OF ALL HVAC EQUIPMENT. (REFER TO PLAN FOR LOCATIONS)
- PROVIDE A MEANS OF LOCKING THE BREAKERS FOR THE FLUORESCENT FIXTURES IN THE OFF POSITION WHERE THE FIXTURES ARE OUT OF SIGHT OF THE BRANCH CIRCUITS.
- THE THERMOSTATS ARE TO BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR; WIRING BY THE ELECTRICAL CONTRACTOR.
- LIGHT SWITCHING SHALL COMPLY WITH TITLE 24 REQUIREMENTS. EACH 2' X 4' FOUR (4) LAMP FLUORESCENT FIXTURES SHALL BE WIRED ON TWO (2) SWITCHING CIRCUITS, TWO (2) OUTER LAMPS ON ONE CIRCUIT; TWO (2) INNER LAMPS ON ANOTHER CIRCUIT.
- ELECTRICAL SWITCHING TO BE LOCATED NOT LESS THAN THREE (3) FT. OR MORE THAN FOUR (4) FT. ABOVE THE FLOOR AS PER TITLE 24.
- VERIFY MECHANICAL AND ELECTRICAL EQUIPMENT AND THEIR LOCATIONS (VERIFY POWER REQUIREMENTS) PRIOR TO INSTALLATION.
- SERVICE EQUIPMENT TO BE SUITABLE FOR AVAILABLE SHORT-CIRCUIT CURRENT AS PER N.E.C. 230-98.
- RECEPTACLES TO BE A MINIMUM OF 15" A.F.F. TO THE CENTER, AS PER TITLE 24.
- PROVIDE MINIMUM 36" WORK CLEARANCE IN FRONT OF PANELS AND 15" FROM BUS BAR TO OBSTRUCTION (SIDE CLEARANCE), PER N.E.C. 110-16.
- ALL WIRING TO BE INSTALLED IN AN APPROVED RACEWAY SYSTEM PER N.E.C. REQUIREMENTS. / MC CABLE (THHN) MAY BE USED IF APPROVED BY LOCAL GOVERNING AUTHORITY -VERIFY USE OF MC CABLE PRIOR TO BIDDING
- FIRE-RATED WALLS AND CEILINGS TO COMPLY WITH CHAPTER 7 U.B.C.
- TESTING OF EMERGENCY LIGHTING IS REQUIRED. CALL FOR TESTING PRIOR TO FINAL INSPECTION (TESTING MUST BE BY DISCONNECTING ELECTRICAL MAIN) - EXIT ILLUMINATION FOR THE PATH OF EGRESS SHALL HAVE AN INTENSITY OF 1 FOOT-CANDLE AT THE FLOOR LEVEL AT ANY TIME WHICH THE BUILDING IS OCCUPIED
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL OTHER DISCIPLINES. (IE: STRUCTURAL, MECHANICAL, & PLUMBING).
- ELECTRICAL CONTRACTOR SHALL FURNISH ALL EQUIPMENT, MATERIAL, LABOR, ETC., WHETHER SHOWN ON THESE PLANS OR NOT, NECESSARY TO PROVIDE A COMPLETE, WORKABLE, AND CODE-APPROVED ELECTRICAL SYSTEM.
- ALL ELECTRICAL GEAR, PANELS & CIRCUITS MUST BE LABELED & LOCKABLE UNLESS PROHIBITED BY LOCAL AUTHORITIES. ALL ELECTRICAL PANELS & CIRCUITS MUST BE KEPT LOCKED OR HOUSED IN AN AREA RESTRICTED FROM PUBLIC ACCESS.
- VERIFY AND PROVIDE ALL ELECTRICAL REQUIREMENTS FOR FIRE SUPPRESSION SYSTEM.
- PROVIDE BLOCK-ON TYPE BREAKERS FOR ALL EMERGENCY LIGHTING CIRCUITS AND FIRE ALARM PANEL CIRCUITS.
- ALL RECEPTACLES AND SWITCHES SHALL BE FLUSH MOUNTED FOR ALL AREAS. U.O.N.
- THE ELECTRICAL DRAWINGS ARE GENERALLY DIAGRAMMATIC. THE ELECTRICAL INSTALLATION SHALL BE COORDINATED WITH ALL OTHER TRADES SO THAT INTERFERENCES BETWEEN THE ELECTRICAL INSTALLATION AND ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION AND EQUIPMENT INSTALLATION WILL BE AVOIDED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS, ROOM AND AREA FINISHES, CEILING PLANS, DOOR SWINGS, FIRE-RELATED PARTITIONS, CABINET AND CASE WORK AND BUILT-IN DETAILS
- LIGHTING FIXTURES IDENTIFICATION IS AS FOLLOWS: UPPER CASE LETTER (A)-DENOTES FIXTURE TYPE.
- CONTRACTOR SHALL PROVIDE ALL DISCONNECTS TO MEET LOCAL CODES.
- CONTRACTOR SHALL VERIFY ALL DOOR SWINGS BEFORE INSTALLING LIGHT SWITCHES. ALL LIGHT SWITCHES TO BE INSTALLED ON STRIKE SIDE OF DOOR UNLESS SPECIFICALLY NOTED OTHERWISE.
- ALL FINAL CONNECTIONS SHOWN ON THE DRAWINGS ARE ACTUAL REQUIREMENTS OF THE EQUIPMENT AND ARE SHOWN IN THEIR APPROXIMATE LOCATION.
- ALL MOTOR STARTERS SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR FURNISHING THE EQUIPMENT AND INSTALLED, WIRED AND CONNECTED BY ELECTRICAL CONTRACTOR
- ALL FLUORESCENT LAMPS SHALL BE T-8 LAMPS
- ALL RECEPTACLES, HORNS, VISUAL INDICATORS, EMERGENCY LIGHTS, PULL STATIONS AND EXIT LIGHTS MOUNTED ON THE EXTERIOR OF THE BUILDING AND AT THE INDOOR POOL SHALL BE THE WEATHERPROOF TYPE.
- FOR ALL GUESTROOM SMOKE DETECTORS AND MINI-HORNS, CONTRACTOR SHALL INSTALL TWO ADJACENT ONE GANG BOXES. SMOKE DETECTORS SHALL BE CONNECTED TO POWER CIRCUIT, AND HORNS SHALL BE CONNECTED TO FIRE ALARM SYSTEM.
- ALL BATHROOM RECEPTACLES SHALL BE G.F.I. (TYP.)
- ALL ELECTRICAL MATERIALS USED MUST BE U.L. LISTED.
- AUDIO/VISUAL INDICATOR SHALL BE INSTALLED ABOVE THE FIRE ALARM PULL STATION WHERE APPLICABLE AT APPROXIMATELY 6" BELOW CEILING.
- ALL EMERGENCY BATTERY PACKS SERVING STAIR, CORE, AND CORRIDOR LIGHTING SHALL BE CONNECTED TO THE SAME CIRCUIT SERVING THAT AREA PRIOR TO TIME SWITCH AND PHOTOCELL.
- ALL EXTERIOR EQUIPMENT AND DEVICES SHALL BE WEATHERPROOF AND RAIN TIGHT.
- COORDINATE LOCATION OF CATV CABLE STUB UP WITH THE RISER LOCATION FOR SATELLITE AND CABLE TV.
- COORDINATE ALL LIGHTING WITH MECHANICAL AND PLUMBING EQUIPMENT.
- THE ELECTRICAL CONTRACTOR SHALL WIRE THE EMERGENCY SYSTEM PER N.E.C. ARTICLE 700. PROVIDE LOW VOLTAGE WIRING AS REQUIRED.
- ALL FLUORESCENT LIGHT FIXTURES TO HAVE ELECTRONIC BALLASTS. (ADVANCE TRANSFORMER CO.' OR EQUAL)
- DISCONNECT SWITCHES ARE REQUIRED FOR ALL EQUIPMENT. - VERIFY SIZE OF SWITCH WITH EACH PIECE OF EQUIPMENT WHICH IT MAY SERVE.

NOTES:

- REMOTE BALLAST FOR (TYPE A4) FIXTURE IN NOTE 'D' SHALL BE LOCATED IN CLOSET OF NEAREST GUESTROOM. INDICATOR LIGHT SHALL BE MOUNTED ADJACENT TO BALLAST. BALLAST & LIGHT FIXTURE SHALL BE LABELED AS TO THE WHEREABOUTS OF ITS COUNTERPART FOR MAINTENANCE CONCERNS. MOUNT BALLAST IN CLOSET, CENTERED BETWEEN CEILING AND TOP OF DOOR JAMB AT END OF CLOSET CLOSEST TO CORRIDOR.
- SHADED FIXTURES INDICATES FIXTURE TO BE EMERGENCY/ NIGHT LIGHT. PROVIDE A BODINE #838 EMERGENCY BATTERY PACK FOR FIXTURES WITH 4' FLUORESCENT TUBES AND BODINE #8413 EMERGENCY BATTERY PACK FOR COMPACT FLUORESCENT FIXTURES. (ONE PER FIXTURE).
- REFER TO SHEETS FS-101, 102 & 103 FOR DESIGNATION & LISTING OF FIRE RATED ASSEMBLY DESIGN NUMBERS. COORDINATE ELECTRICAL REQUIREMENTS WITH FIRE RESISTANCE OF MATERIALS AND CONSTRUCTION.
- REFER TO SHEET E6 FOR ROOF ELECTRICAL PLAN
- REFER TO SHEETS E5 & E5B FOR TYPICAL GUEST ROOM LAYOUTS
- REFER TO SHEET E7 FOR LIGHTING SCHEDULE
- REFER TO SHEETS E8 & E9 FOR PANEL SCHEDULES
- REFER TO SHEETS E10 & E11 FOR SINGLE LINE DIAGRAMS & DETAILS
- PROVIDE FLEXIBLE CONDUIT ON ELECTRICAL PIPING LOCATED WITHIN VERTICAL SHAFT AREAS
- ALL ELECTRICAL OUTLETS, SWITCHES, PANELS, ETC. WHERE SHOWN IN 2-HR. FIRE RATED ASSEMBLIES SHALL BE SURFACE MOUNTED. - ELECTRICAL CONTR. TO COORDINATE WITH SHEETS FS1, FS2 & FS3
- DUAL LEVEL LIGHTING OUTER LAMPS IN ALL FIXTURES CONTROLLED BY ONE SWITCH & CENTER LAMP IN ALL FIXTURES CONTROLLED BY ANOTHER SWITCH. PROVIDE ALL NECESSARY DEVICES FOR AN OPERATIONAL SYSTEM.
- ALL RECEPTACLES LOCATED WITHIN 6 FT. OF A KITCHEN SINK OR WET BAR SHALL BE GFCI PROTECTED
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR WIRING & ROOF-UP OF ALL FIRE/SMOKE DAMPERS (ELECTRIC ACTUATORS) - REFER TO MECHANICAL PLANS FOR DAMPER LOCATIONS - USE CIRCUIT AS INDICATED ON PANEL SCHEDULES FOR FIRE DAMPERS (PANELS AA 2U & 3U (6 AMP/120 VOLT)
- ALARM SYSTEM DEVICES SHALL BE PROVIDED IN ACCESSIBLE PUBLIC AND COMMON USE AREAS INCLUDING TOILET ROOMS, HALLWAYS & LOBBIES
- STAIRWELL HALL & ELEVATOR LIGHTING SHALL BE EQUIPPED WITH VANDAL-RESISTANT LENSES AND SHALL REMAIN ON AT ALL TIMES
- CONTRACTOR SHALL VERIFY W/OWNER ALL EQUIPMENT WHICH SHALL BE INSTALLED IN LAUNDRY AREA & SERVING AREA. ALL PERMANENTLY INSTALLED EQUIPMENT (BUILT-IN OR BOLTED DOWN) SHALL BE HARDWIRED.
- VERIFY FBX ELECTRICAL REQTS. WITH FBX EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.
- CIRCUITS SERVING REGISTRATION DESK RECEPTACLES SHALL HAVE NO OTHER LOAD.
- PROVIDE 24V. POWER SUPPLY TO ELECTRONIC CARD KEY SYSTEM. COORDINATE POWER SUPPLY REQUIREMENTS WITH CARD KEY SYSTEM SUPPLIER/INSTALLATION CONTRACTOR.
- ELECTRICAL CONTRACTOR TO COORDINATE INSTALLATION OF CARD KEY SYSTEM WITH CARD KEY SYSTEM SPECIALIST.
- ELECTRICAL CONTRACTOR TO COORDINATE INSTALLATION OF TELEPHONE SYSTEM REQUIREMENTS WITH LOCAL TELEPHONE COMPANY.
- ELECTRICAL CONTRACTOR TO COORDINATE VIDEO MONITORING SYSTEM INSTALLATION WITH SPECIALIST.
- ALL CORRIDOR & STAIRWELL LIGHTING SHALL BE CONTROLLED BY A CIRCUIT BREAKER AT SUB-PANELS (TYP. ALL FLOORS) - BREAKERS SHALL BE SWITCH DUTY RATED & MARKED 'SWD' AS PER N.E.C. 240-63(D)
- EXTERIOR SIGNS & EXTERIOR LIGHTING SHALL BE CONTROLLED BY PHOTO-CELLS - VERIFY W/OWNER FOR LOCATION OF PHOTO-CELLS PRIOR TO CONSTRUCTION
- PROVIDE & INSTALL RAIN SENSOR SWITCH ON LANDSCAPE IRRIGATION SYSTEM - COORDINATE WITH IRRIGATION SITE PLAN
- EXIT LIGHTS & SIGNS TO BE SUPPLIED BY CIRCUIT FROM PANEL 'AA' (1ST FLOOR)
- HVAC FIRE/SMOKE DAMPERS TO BE SUPPLIED BY CIRCUIT FROM PANEL 'AA' (1ST FLOOR)
- CONTRACTOR SHALL COORDINATE WITH OWNER FOR DESIGN & INSTALLATION OF A PUBLIC SOUND SYSTEM (MUSAK OR SIMILAR) - PROVIDE SPEAKERS IN LOBBY, BREAKFAST ROOM, WORK ROOM, EXERCISE ROOM, PUBLIC RESTROOMS & EACH CORRIDOR
- CONTRACTOR SHALL COORDINATE WITH OWNER FOR DESIGN & INSTALLATION OF A CLOSED CIRCUIT VIDEO SURVEILLANCE SYSTEM
- CONTRACTOR SHALL COORDINATE WITH OWNER FOR DESIGN & INSTALLATION OF A CLOSED CIRCUIT VIDEO SURVEILLANCE SYSTEM - PROVIDE CAMERAS AT REGISTRATION, EA EXTERIOR ENTRY, EACH ELEVATOR LOBBY, SPA ROOM, BREAKFAST AREA & (2) CAMERAS AT EACH UPPER FLOOR CORRIDOR - PROVIDE ADDITIONAL CAMERAS SO AS TO FULLY SURVEY PARKING AREAS - PROVIDE RECORDING EQUIPMENT & DISPLAY MONITORS AT WORK ROOM
- PROVIDE LOW-LEVEL (BOTTOM @ 6" TO 6" AFF.) ILLUMINATED EXIT SIGNS W/BATTERY BACKUP AT SAME LOCATIONS AS ALL HIGH MOUNTED EXIT SIGNS & EMERGENCY/EXIT LIGHT COMBINATION UNITS (UFC, I2126) - PROVIDE DIRECTIONAL ARROW AS REQD. TO INDICATE PATH OF TRAVEL
- EXIT SIGN NOTE (TYP. EACH FLOOR) - PROVIDE PRIMARY POWER TO EXIT SIGNS BY PREMISES WIRING SYSTEM - PROVIDE BACKUP POWER TO EACH LAMP FROM STORAGE BATTERIES



REVISIONS PER OWNER REQUEST 7/3/02

ELECTRICAL ORDINANCE
ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, AS STATE, FEDERAL, COUNTY, OR LOCAL SUPPLEMENTS OR ADDITIONS. IN INSTANCES WHERE THE DRAWINGS AND THE NATIONAL ELECTRIC CODE ARE IN CONFLICT, THE WORK SHALL BE INSTALLED AS PER REQUIREMENTS OF THE NATIONAL CODE.

THE EQUIPMENT ROUGH-IN ITEMS AND THEIR DIMENSIONED LOCATIONS FOR ALL CONNECTIONS ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE AND SHALL BE VERIFIED WITH THE EQUIPMENT SUPPLIER, OWNER AND/OR THE EQUIPMENT ROUGH-IN DRAWINGS. IN SOME INSTANCES, THE OWNER OR SUPPLIER MAY MAKE SUBSTITUTIONS OF THE EQUIPMENT ITEM MAY VARY FROM WHAT IS SHOWN. THEREFORE, THE ARCHITECT/ENGINEER SHALL BE IMMEDIATELY NOTIFIED. PRIOR TO CONSTRUCTION OF ANY DEVIATIONS FROM WHAT IS SHOWN OR IMPLIED ON THESE DRAWINGS. FAILURE OF THE APPROPRIATE CONTRACTOR TO VERIFY ROUGH-INS OR THEIR LOCATIONS SHALL PLACE THE RESPONSIBILITY FOR ANY SUBSEQUENT RELOCATION AND/OR ADDITIONAL ROUGH-INS DIRECTLY UPON THE CONTRACTOR.

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

THIS DOCUMENT, INCLUDING SPECIFICATIONS, IS THE PROPERTY OF LEE GAGE & ASSOCIATES, INC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN CONSENT OF LEE GAGE & ASSOCIATES, INC.

HAWTHORN SUITES LTD

PROPOSED: HAWTHORN SUITES LTD.
1829 WESTER STREET
ALAMEDA, CA
OWNERS: ALAMEDA HOSPITALITY, LLC
1940 FRANCISCAN WAY, SUITE #110
ALAMEDA, CA 94601 PHONE/FAX(910) 814-9881

07/09/02

APPROVED ARCHITECT
LEE GAGE & ASSOCIATES, INC.
RON
7-31-03
STATE OF CALIFORNIA

E6
SHEET
OF

$$\begin{array}{r} \triangle 3 \\ \hline \triangle 2 \end{array}$$

LIGHT FIXTURE SCHEDULE NOTES:

- (G)** LIGHT FIXTURE TO BE SELECTED BY OWNER, PROVIDED & INSTALLED BY CONTRACTOR.
CONTRACTOR TO PROVIDE A COST ALLOWANCE FOR EACH FIXTURE IN BID PROPOSAL IN THE AMOUNT OF \$100/FIXTURE.
- IF THE COST OF THE FIXTURE WHICH IS ACTUALLY SELECTED IS LESS THAN THE ALLOWANCE THEN THE DIFFERENCE SHALL BE CREDITED TO THE OWNER.
- (S)** LIGHT FIXTURE TO BE SELECTED BY OWNER, PROVIDED & INSTALLED BY CONTRACTOR.
CONTRACTOR TO PROVIDE A COST ALLOWANCE FOR EACH FIXTURE IN BID PROPOSAL IN THE AMOUNT OF \$300/FIXTURE.
- IF THE COST OF THE FIXTURE WHICH IS ACTUALLY SELECTED IS LESS THAN THE ALLOWANCE THEN THE DIFFERENCE SHALL BE CREDITED TO THE OWNER.
- (T)** LIGHT FIXTURE TO BE SELECTED BY OWNER, PROVIDED & INSTALLED BY CONTRACTOR.
CONTRACTOR TO PROVIDE A COST ALLOWANCE FOR EACH FIXTURE IN BID PROPOSAL IN THE AMOUNT OF \$100/FIXTURE.
- IF THE COST OF THE FIXTURE WHICH IS ACTUALLY SELECTED IS LESS THAN THE ALLOWANCE THEN THE DIFFERENCE SHALL BE CREDITED TO THE OWNER.
- (W)** LIGHT FIXTURE TO BE SELECTED BY OWNER, PROVIDED & INSTALLED BY CONTRACTOR.
CONTRACTOR TO PROVIDE A COST ALLOWANCE FOR EACH FIXTURE IN BID PROPOSAL IN THE AMOUNT OF \$75/FIXTURE.
- IF THE COST OF THE FIXTURE WHICH IS ACTUALLY SELECTED IS LESS THAN THE ALLOWANCE THEN THE DIFFERENCE SHALL BE CREDITED TO THE OWNER.
- (X)** LIGHT FIXTURE TO BE SELECTED BY OWNER, PROVIDED & INSTALLED BY CONTRACTOR.
CONTRACTOR TO PROVIDE A COST ALLOWANCE FOR EACH FIXTURE IN BID PROPOSAL IN THE AMOUNT OF \$100/FIXTURE.
- IF THE COST OF THE FIXTURE WHICH IS ACTUALLY SELECTED IS LESS THAN THE ALLOWANCE THEN THE DIFFERENCE SHALL BE CREDITED TO THE OWNER.

3 REVISIONS PER
ARCHITECT CLARIFICATION
7/3/02

2 REVISIONS PER
OWNER REQUEST
7/3/02

F:\ARGHDESK\SANDIP\HSA-E7.DWG

E7

House Laundry Equipment																					
Panel		Amps		Main		Volts		Phase		Wire		Mounting									
G		200		Lugs		120/208		3		4		Surface									
Breaker																				Breaker	
A	P	Load Description	Circuit	AMPS	Misc.	Rec.	Lts.	Circuit #	Phase A	Phase B	Phase C	Circuit #	Lts.	Rec.	Misc.	Circuit	AMPS	Load Description	A	P	
30	3	House Washing Mach. (500)	19.0	x				1	23.0			2				4.0	House Dryer (1)	20	3		
30	1	House Washing Mach. (500)	19.0	x				3		23.0		4				4.0	House Dryer (1)	20	1		
30	1	House Washing Mach. (500)	19.0	x				5			23.0	6				4.0	House Dryer (1)	20	1		
30	3	House Washing Mach. (500)	19.0	x				7	23.0			8				4.0	House Dryer (2)	20	3		
30	1	House Washing Mach. (500)	19.0	x				9		23.0		10				4.0	House Dryer (2)	20	1		
30	1	House Washing Mach. (500)	19.0	x				11			23.0	12				4.0	House Dryer (2)	20	1		
20	1	Laundry Room Recept.	12.0		x			13	22.5			14				10.5	Break Room Recept (1)	20	1		
20	1	Maintenance Recept.	6.0		x			15		11.6		16	x			5.8	Laundry/Break/RR Lts.	20	1		
20	1	Guest Washer	12.0		x			17			15.1	18			x	3.1	Exhaust Fan (GF-4)	20	1		
30	2	Guest Dryer	23.3		x			19	32.3			20				9.0	Linon Storage Recept.	20	1		
30	1	Guest Dryer	23.3		x			21		28.3		22				5.0	Meeting Room (1)	20	1		
20	1	Vending	12.0		x			23			21.0	24				9.0	Meeting Room Rec	20	1		
20	1	Vending	12.0		x			25	16.2			26				4.5	Meeting Room Rec	20	1		
20	1	Public Restroom (1)	10.0		x			27		13.4		28	x			3.4	Meeting Room Lts	20	1		
20	1	North Stair Lts & Exh Fan	7.5		x		x	29			11.5	30			x	4.0	Recirculating Pump	20	1		
20	1	South Stair Lts & Exh Fan	7.5		x		x	31	11.5			32			x	4.0	Recirculating Pump	20	1		
20	1	Fitness Rec	12.0		x			33		15.0		34			x	3.0	Water Heater Strike	20	1		
20	1	Treadmill	12.0		x			35			15.0	36			x	3.0	Water Heater Power Vent	20	1		
20	1	Treadmill	12.0		x			37	15.0			38			x	3.0	Water Heater Power Vent	20	1		
20	1	Fitness Lts	2.7					39			2.7	40					SPACE				
		SPACE						41					42								
		TOTAL		143.8		117.2		108.6		High Phase (Amps)=		143.8									

Exterior Lighting & Power																					
Panel		Amps		Main		Volts		Phase		Wire		Mounting									
H		100		Lugs		120/208		3		4		Surface									
Breaker																				Breaker	
A	P	Load Description	Circuit	AMPS	Misc.	Rec.	Lts.	Circuit #	Phase A	Phase B	Phase C	Circuit #	Lts.	Rec.	Misc.	Circuit	AMPS	Load Description	A	P	
20	1	Exterior Receptacles	12.0		x			1	16.7			2	x			6.7	Parking Area Lights (21)	20	1		
20	1	Irrigation Controller	6.0	x				3		16.0		4	x			10.0	Parking Area Lights (21)	20	1		
20	1	Wall Sign J-Box	15.0	x				5			21.6	6	x			6.5	Exterior Soffit Lights (22)	20	1		
20	1	Wall Sign J-Box	15.0	x				7	22.0			8	x			7.0	Exterior Soffit Lights (22)	20	1		
20	1	Wall Sign J-Box	15.0	x				9		18.5		10	x			3.5	Exterior Soffit Lights (22)	20	1		
20	1	Monument Sign J-Box	15.0	x				11			20.0	12	x			5.0	Exterior Wall Lights (23)	20	1		
		SPACE						13	6.7			14	x			6.7	Exterior Wall Lights (23)	20	1		
								15		0.0		16					SPACE				
								17			0.0	18									
								19	0.0			20									
								21			0.0	22									
								23			0.0	24									
		TOTAL		47.4		34.5		41.5		High Phase (Amps)=		47.4									

NOTE:
REFER TO EXTERIOR ELEVATIONS FOR PROPOSED LOCATIONS OF WALL MOUNTED SIGNAGE.
- COORDINATE EXACT LOCATION WITH SIGN SUPPLIER/CONTRACTOR

Roof Mounted HVAC Equipment																				
Panel		Amps				Main		Volts		Phase		Wire		Mounting						
J		100				Lugs		120/208		3		4		Surface						
Breaker																		Breaker		
A	P	Load Description	Circuit	AMPS	Misc.	Rec.	Lts.	Circuit #	Phase A	Phase B	Phase C	Circuit #	Lts.	Rec.	Misc.	Circuit	AMPS	Load Description	A	P
20	1	Roof Mtd. Exhaust Fan	2.0		x			1	4.0			2				2.0	Roof Mtd. Exhaust Fan	20	1	
20	1	Roof Mtd. Exhaust Fan	2.0		x			3		4.0		4				2.0	Roof Mtd. Exhaust Fan	20	1	
20	1	Roof Mtd. Exhaust Fan	2.0		x			5			4.0	6				2.0	Roof Mtd. Exhaust Fan	20	1	
20	1	Roof Mtd. Exhaust Fan	2.0		x			7	4.0			8				2.0	Roof Mtd. Exhaust Fan	20	1	
20	1	Roof Mtd. Exhaust Fan	2.0		x			9			4.0	10				2.0	Roof Mtd. Exhaust Fan	20	1	
20	1	Roof Mtd. Exhaust Fan	2.0		x			11			4.0	12				2.0	Roof Mtd. Exhaust Fan	20	1	
20	1	Roof Mtd. Exhaust Fan	2.0		x			13	4.0			14				2.0	Roof Mtd. Exhaust Fan	20	1	
20	1	Roof Mtd. Exhaust Fan	2.0		x			15		4.0		16				2.0	Roof Mtd. Exhaust Fan	20	1	
20	1	Roof Mtd. Exhaust Fan	2.0		x			17			4.0	18				2.0	Roof Mtd. Exhaust Fan	20	1	
		SPACE						19	0.0			20					SPACE			
								21			0.0	22								
20	1	Roof Receptacles (GFI)	12.0				x	23				24								
		TOTAL		12.0		12.0		24.0		High Phase (Amps)=		24								

Roof Mounted HVAC Equipment																				
Panel		Amps				Main		Volts		Phase		Wire		Mounting						
K		200				Lugs		120/208		3		4		Surface						
Breaker																		Breaker		
A	P	Load Description	Circuit	AMPS	Misc.	Rec.	Lts.	Circuit #	Phase A	Phase B	Phase C	Circuit #	Lts.	Rec.	Misc.	Circuit	AMPS	Load Description	A	P
20	2	HP-2 (Meeting Room 'A')	15.1		x			1	27.6			2				12.7	HP-5 (Breakfast 'A')	20	2	
20	1	HP-2 (Meeting Room 'A')	15.1		x			3		27.6		4				12.7	HP-5 (Breakfast 'A')	20	1	
20	2	HP-2 (Meeting Room 'B')	15.1		x			5			27.6	6				12.7	HP-5 (Breakfast 'B')	20	2	
20	1	HP-2 (Meeting Room 'B')	15.1		x			7	27.6			8				12.7	HP-5 (Breakfast 'B')	20	1	
20	2	HP-4 (Elev Equip Room)	10.5		x			9		34.4		10				23.9	HP-3 (Registration)	35	2	
20	1	HP-4 (Elev Equip Room)	10.5		x			11			34.4	12				23.9	HP-3 (Registration)	35	1	
20	2	HP-5 (1st Flr - North End)	12.7		x			13	24.6			14				11.9	HP-1 (Fitness)	20	2	
20	1	HP-5 (1st Flr - North End)	12.7		x			15		24.6		16				11.9	HP-1 (Fitness)	20	1	
20	2	HP-1 (1st Flr - South End)	11.9		x			17			22.4	18				10.5	HP-4 (Laundry Room)	20	2	
20	1	HP-1 (1st Flr - South End)	11.9		x			19	22.4			20				10.5	HP-4 (Laundry Room)	20	1	
		SPACE						21			0.0	22						SPACE		
		SPACE						23			0.0	24						SPACE		
		TOTAL		102.6		86.8		84.6		High Phase (Amps)=		102.6								

Spa Area Lighting & Power																						
Panel		Amps		Main		Volts		Phase		Wire		Mounting										
L		150		Lugs		120/208		3		4		Surface										
Breaker																				Breaker		
A	P	Load Description		Circ. AMPS		Rec.	Lta	Circuit #		Phase A	Phase B	Circuit #	Lta	Rec.	Misc.	Circuit AMPS	Load Description		A	P		
80	2	Spa Heater		45.0		x	3	1		55.0		45.0	4		x		10.0	Equip. Room Recept.		20	1	
	2	Spa Heater		45.0		x	3				55.5		4		x		10.0	Spa Area/Equip. Room Ltg		20	1	
20	2	Spa Jet Pump (1 1/2 HP)		10.0		x		5				15.0	6		x	x	5.0	Spa Area Exhaust Fan		20	1	
1	1	Spa Jet Pump (1 1/2 HP)		10.0		x		7		16.9		6		x			6.9	Sump Pump		20	1	
20	2	Spa Filter Pump (1 HP)		6.0		x		9			6.0		10					SPACE				
1	1	Spa Filter Pump (1 HP)		6.0		x		11				6.0	12									
20	1	Spa Exhaust Fan		2.6		x		13		2.6			14									
20	1	Spa Underwater Lts		4.2		x		15			4.2		16									
20	1	Spa Chlorinators		5.0			x	17				5.0	18									
20	1	Spa Time Clock/Transf. (T)		4.0		x		19		4.0			20									
		SPACE						21			0.0		22									
								23				0.0	24									
										TOTAL	78.7	67.7	28.0 High Phase (Amps)=				78.7					

3rd Floor Corridor & Utility Areas																				
Panel		Amps					Main		Volts		Phase		Wire		Mounting					
3U		100					Lugs		120/208		3		4		Surface					
Breaker																		Breaker		
A	P	Load Description	Circuit	AMPS	Misc.	Rec.	Lta.	Circuit #	Phase A	Phase B	Phase C	Circuit #	Lta.	Rec.	Misc.	Circuit	AMPS	Load Description	A	P
20	1	Corridor Receptacles	6.0			x		1	18.0			2		x		12.0	Vending Recept.	20	1	
20	1	Corridor Lights (Parabolics)	4.2				x	3		16.2		4		x		12.0	Vending Recept.	20	1	
20	1	Corridor Lights (Sconce)	4.5				x	5			14.5	6		x		10.0	Star. Rm. Recept.	20	1	
SPACE								7	10.0			8		x		10.0	Housekeeping Recept.	20	1	
20	1	Exit Signs/Emergency Lta.	10.0		x			9		20.0		10		x		10.0	Star. Rm. Recept.	20	1	
20	1	Guest Rm 321 a	7.1			x	x	11			12.1	12	12	x		5.0	Housekeeping Exh. Fan & Lta	20	1	
20	1	Guest Rm 321 b	10.0					13	17.1			14		x	x	7.1	Guest Rm 322 a	20	1	
20	1	Guest Rm 321 c	12.5		x			15		22.5		16		x		10.0	Guest Rm 322 b	20	1	
20	1	Guest Rm 321 d	12.5			x		17			25.0	18			x	12.5	Guest Rm 322 c	20	1	
20	1	Guest Rm 322 a	7.1			x	x	19	20.3			20			x	12.5	Guest Rm 322 d	20	1	
20	1	Guest Rm 322 b	10.0					21		10.0		22					SPACE			
20	1	Guest Rm 322 c	12.5		x			23			12.5	24								
20	1	Guest Rm 322 d	12.5			x		25	12.5			26								
SPACE								27			0.0	28								
								29				30								
TOTAL									77.9	68.7		64.8	High Phase (Amps)=				77.9			

3rd Floor Guest Rooms Lighting & Power (a=recept./lighting, b=GFCI, c=hairdryer, d=hospitality bar, e=whirlpool)																								
Panel	Amps				Main				Volts				Phase				Wire				Mounting			
3A	200				Lugs				120/208				3				4				Surface			
Breaker																					Breaker			
A	P	Load Description	Circuit	AMPS	Misc.	Rec.	Lts.	Circuit #	Phase A	Phase B	Phase C	Circuit #	Lts.	Rec.	Misc.	Circuit	AMPS	Load Description	A	P				
20	1	Guest Rm 301 a	7.4			x	x	1	19.9			2		x		12.5	Guest Rm 302 d	20	1					
20	1	Guest Rm 301 b	10.0			x		3		22.5		4		x	x	12.5	Guest Rm 302 e	20	1					
20	1	Guest Rm 301 c	12.5		x			5			22.5	6		x		10.0	Guest Rm 302 a	20	1					
20	1	Guest Rm 301 d	12.5		x			7	20.3			8		x		7.8	Guest Rm 302 b	20	1					
20	1	Guest Rm 303 a	6.5			x	x	9		19.0		10		x		12.5	Guest Rm 304 d	20	1					
20	1	Guest Rm 303 b	10.0			x		11			22.5	12		x	x	12.5	Guest Rm 304 c	20	1					
20	1	Guest Rm 303 c	12.5		x			13	22.5			14		x		10.0	Guest Rm 304 b	20	1					
20	1	Guest Rm 303 d	12.5			x		15		20.3		16		x	x	7.8	Guest Rm 304 a	20	1					
20	1	Guest Rm 305 a	7.8			x	x	17			20.3	18		x		12.5	Guest Rm 306 d	20	1					
20	1	Guest Rm 305 b	10.0			x		19	22.5			20		x	x	10.0	Guest Rm 306 b	20	1					
20	1	Guest Rm 305 c	12.5			x		21		22.5		22		x		6.5	Guest Rm 306 a	20	1					
20	1	Guest Rm 307 a	12.5			x		23			19.0	24		x	x	12.5	Guest Rm 308 d	20	1					
20	1	Guest Rm 307 b	7.8			x	x	25	20.3			26		x		10.0	Guest Rm 308 c	20	1					
20	1	Guest Rm 307 c	10.0			x		27		22.5		28		x		12.5	Guest Rm 308 b	20	1					
20	1	Guest Rm 307 d	12.5		x			29			22.5	30		x		10.0	Guest Rm 308 a	20	1					
20	1	Guest Rm 309 a	12.5			x		31	19.0			32		x	x	6.5	Guest Rm 310 d	20	1					
20	1	Guest Rm 309 b	6.5			x	x	33		19.0		34		x		12.5	Guest Rm 310 c	20	1					
20	1	Guest Rm 309 c	10.0			x		35			22.5	36		x	x	12.5	Guest Rm 310 b	20	1					
20	1	Guest Rm 309 d	12.5		x			37	22.5			38		x		10.0	Guest Rm 310 a	20	1					
20	1	Guest Rm 309 e	12.5			x		39		20.3		40		x	x	7.8	Guest Rm 310 e	20	1					
SPACE																					SPACE			
TOTAL									147.0	146.1	129.3 High Phase (Amps)=				147									

3rd Floor Guest Rooms Lighting & Power (a=recept./lighting, b=GFCI, c=hairdryer, d=hospitality bar, e=whirlpool)																									
Panel		Amps				Main				Volts				Phase				Wire				Mounting			
3B		200				Lugs				120/208				3				4				Surface			
Breaker																		Breaker							
A	P	Load Description	Circuit	AMPS	Misc.	Rec.	Lta.	Circuit #	Phase A	Phase B	Phase C	Circuit #	Lta.	Rec.	Misc.	Circuit	AMPS	Load Description	A	P					
20	1	Guest Rm 311 a	6.5			x	x	1	16.5			2		x		10.0	Guest Rm 312 d	20	1						
20	1	Guest Rm 311 b	10.0			x		3		22.5		4		x		12.5	Guest Rm 312 c	20	1						
20	1	Guest Rm 311 c	12.5		x			5			25.0	6			x	12.5	Guest Rm 312 b	20	1						
20	1	Guest Rm 311 d	12.5			x		7	22.5			8			x	10.0	Guest Rm 312 a	20	1						
20	1	Guest Rm 313 a	7.8			x	x	9		15.6		10	x	x		7.8	Guest Rm 314 d	20	1						
20	1	Guest Rm 313 b	10.0			x		11			22.5	12		x		12.5	Guest Rm 314 c	20	1						
20	1	Guest Rm 313 c	12.5		x			13	25.0			14			x	12.5	Guest Rm 314 b	20	1						
20	1	Guest Rm 313 d	12.5			x		15		22.5		16		x		10.0	Guest Rm 314 a	20	1						
20	1	Guest Rm 315 a	7.8			x	x	17			14.9	18	x	x		7.1	Guest Rm 316 d	20	1						
20	1	Guest Rm 315 b	10.0			x		19	22.5			20			x	12.5	Guest Rm 316 c	20	1						
20	1	Guest Rm 315 c	12.5		x			21		25.0		22			x	12.5	Guest Rm 316 b	20	1						
20	1	Guest Rm 315 d	12.5			x		23		22.5		24		x		10.0	Guest Rm 316 a	20	1						
20	1	Guest Rm 317 a	6.5			x	x	25	13.0			26		x	x	6.5	Guest Rm 320 d	20	1						
20	1	Guest Rm 317 b	10.0			x		27		22.5		28		x		12.5	Guest Rm 320 c	20	1						
20	1	Guest Rm 317 c	12.5		x			29			25.0	30		x	x	12.5	Guest Rm 320 b	20	1						
20	1	Guest Rm 317 d	12.5			x		31	22.5			32		x		10.0	Guest Rm 320 a	20	1						
20	1	Guest Rm 319 a	6.5			x	x	33		13.6		34		x	x	7.1	SPACE								
20	1	Guest Rm 319 b	10.0			x		35			10.0	36													
20	1	Guest Rm 319 c	12.5		x			37	12.5			38													
20	1	Guest Rm 319 d	12.5			x		39		12.5		40													
SPACE								41			0.0	42													
TOTAL									134.5	134.2	119.9 High Phase (Amps)=				134.5										

Tenant Space 'A'																					
Panel		Amps					Main		Volts			Phase		Wire		Mounting					
M		150					Lugs		120/208			3		4		Surface				Breaker	
Breaker																					Breaker
A	P	Load Description	Circuit	AMPS	Misc.	Rec.	Lta.	Circuit #	Phase A	Phase B	Phase C	Circuit #	Lta.	Rec.	Misc.	Circuit	AMPS	Load Description	A	P	
20	2	HP-2	15.1	x				1	22.6			2	x			7.7	Lighting		20	1	
20	1	HP-2	15.1	x				3		22.6		4	x			7.5	Receptacles		20	1	
20	2	HP-2	15.1	x				5			21.1	6	x			6.0	Receptacles		20	1	
1	1	HP-2	15.1	x				7	20.1			8	x			5.0	GRFC Receptacles		20	1	
20	2	FC-2	14.5	x				9		19.5		10	x			5.0	Show Window Receptacles		20	1	
1	1	FC-2	14.5	x				11			14.5	12				SPACE					
20	2	FC-2	14.5	x				13	14.5			14									
1	1	FC-2	14.5	x				15		14.5		16									
		SPACE						17			0.0	18									
								19	0.0			20									
								21		0.0		22									
								23			0.0	24									
TOTAL									57.4	56.6	35.6	High Phase (Amps)=					57.4				

HOTEL FIRE/SMOKE ALARM SYSTEM REQUIREMENTS

NOTE:
FIRE ALARM PLANS SHALL BE SUBMITTED TO THE LOCAL GOVERNING AUTHORITY FOR APPROVAL PRIOR TO INSTALLATION OF FIRE ALARM SYSTEM.
- PLANS SHALL COMPLY WITH N.E.C. ARTICLES 780 & 800, U.F.C. ARTICLE 1007 & U.B.C. CHAPTER 3, SECTION 310.10

DESIGN SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:

A. Smoke Detectors (Wired to Fire Alarm System):

1. All Non-Handicap Accessible Guest Rooms
- Provide single station smoke detectors in each guest room
*(Not connected to fire alarm system unless specified by owner)
2. All Fully Handicap Accessible Guest Rooms & Extra Rooms for Hearing Impaired
- Provide visible & audible alarm-indicating appliances, activated by both the in-room smoke detector & the building fire alarm system.
3. 30 ft. square grid in open areas
4. Corridors: 15 ft. from each end & 30 ft. on center
5. Laundry Areas: 1 heat detector (30 ft. square grid)
6. Smoke detectors in each of the following areas:
a) Mechanical/Storage Rooms
b) Exercise Rooms
c) Office & Work Rooms
7. Indoor Swimming Pool Areas: Heat detectors around perimeter (30 ft. on center)
8. Employee Restroom: Horn/Strobe only

B. Fire Alarm Manual Pull Stations:

1. At each entry/exit door location
2. Corridors over 200 ft. in length (200 ft. max. travel distance)

C. Horn/Strobe Light Locations:

1. At each Manual Pull Station
2. 40 ft. on center in corridors.
3. All Common & Employee Areas

D. Fire Alarm Control Panel: Centrally located (registration counter)

HOTEL FIRE/SMOKE ALARM SYSTEM REQUIREMENTS

NOTE:
FIRE ALARM PLANS SHALL BE SUBMITTED TO THE LOCAL GOVERNING AUTHORITY FOR APPROVAL PRIOR TO INSTALLATION OF FIRE ALARM SYSTEM.
- PLANS SHALL COMPLY WITH N.E.C. ARTICLES 780 & 800, U.F.C. ARTICLE 1007 & U.B.C. CHAPTER 3, SECTION 310.10

THE FIRE ALARM SYSTEM SHALL BE A DESIGN-BUILD SYSTEM OF WHICH THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE FINAL DESIGN & INSTALLATION OF THE ENTIRE FIRE ALARM SYSTEM. THE CONTRACTOR SHALL BE DESIGNER & ENGINEER OF RECORD FOR SUCH WORK.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING COMPLETE & CERTIFIED DESIGNS & ENGINEERING FOR FOR THIS PROJECT. SUCH DESIGN & ENGINEERING SHALL BE IN COMPLIANCE WITH ALL OF THE DRAWINGS & SPECIFICATIONS FOR THIS PROJECT, AS WELL AS ALL WORK NECESSARY TO COMPLETE THE PROJECT BUT NOT REFLECTED IN THESE DRAWINGS & SPECIFICATIONS.

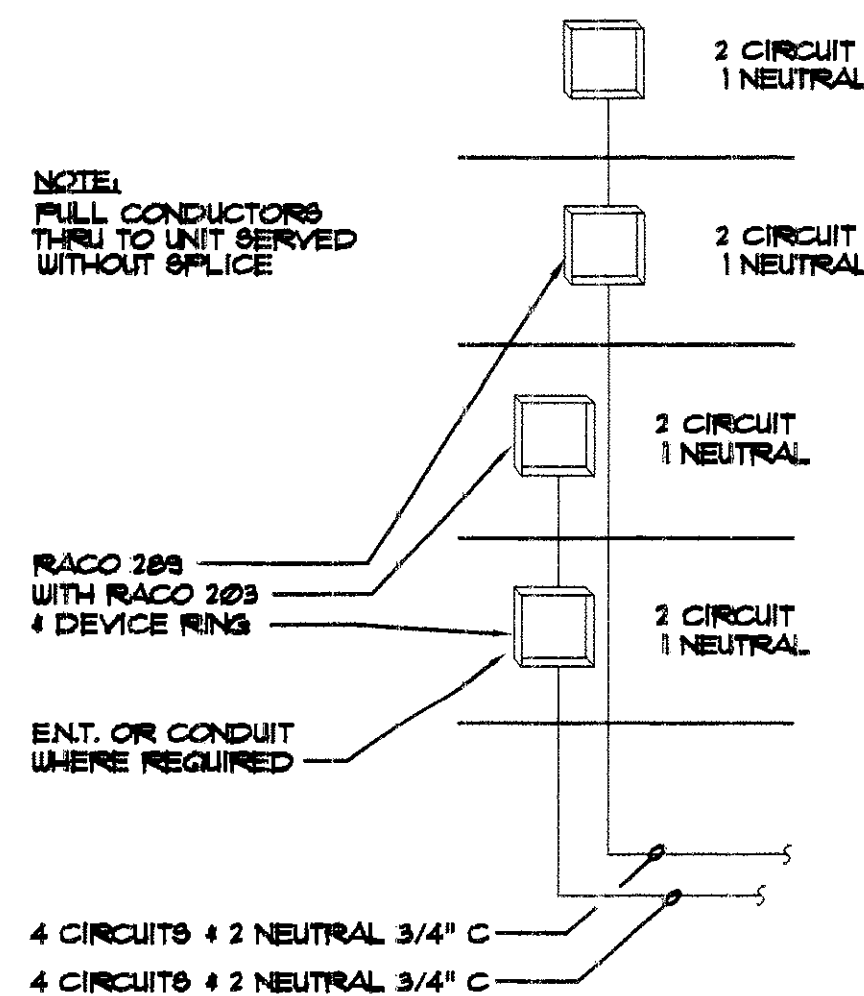
THE CONTRACTORS WORK SHALL BE COMPLETE, INSTALLED AND APPROVED ALL GOVERNING AUTHORITIES AND SHALL COMPLY WITH ALL BUILDING CODES & REQUIREMENTS APPLICABLE TO THIS PROJECT.

IF ANY CHANGES ARE REQUIRED TO OTHER ASPECTS OF THE DESIGN OF THIS PROJECT BECAUSE OF THE DESIGN OF THE DESIGN-BUILD SYSTEMS, THE COSTS OF MAKING SUCH CHANGES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

THE REVIEW OF THE DESIGNS BY THE ARCHITECT OR HIS CONSULTANTS SHALL NOT RELIEVE THE DESIGN-BUILD CONTRACTOR AND ITS SUBCONTRACTORS AS ENGINEERS OF RECORD.

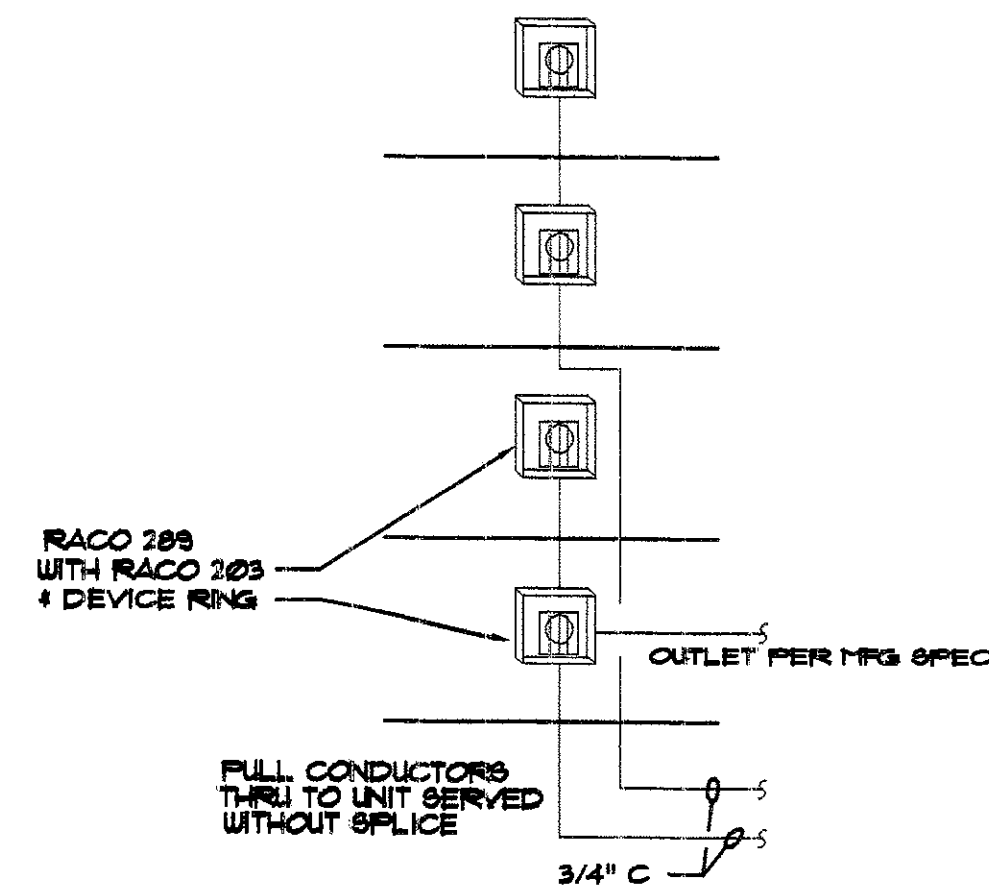
THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL OF THE REQUIRED PERMITS INCLUDING LOCAL FIRE MARSHALL APPROVAL.

THE DESIGN-BUILD CONTRACTOR SHALL SUBMIT COMPLETE DESIGN DRAWINGS AND OUTLINE SPECIFICATIONS THAT FIX & DESCRIBE THE QUALITY, SIZE & CHARACTER OF THE FIRE ALARM SYSTEM IN ITS ENTIRETY AND THE MATERIALS AND SUCH OTHER ELEMENTS OF THE PROJECTS MAY BE REQUIRED. A MINIMUM OF 4 SETS OF DESIGN DOCUMENTS SHALL BE SUBMITTED TO THE ARCHITECT FOR HIS REVIEW.



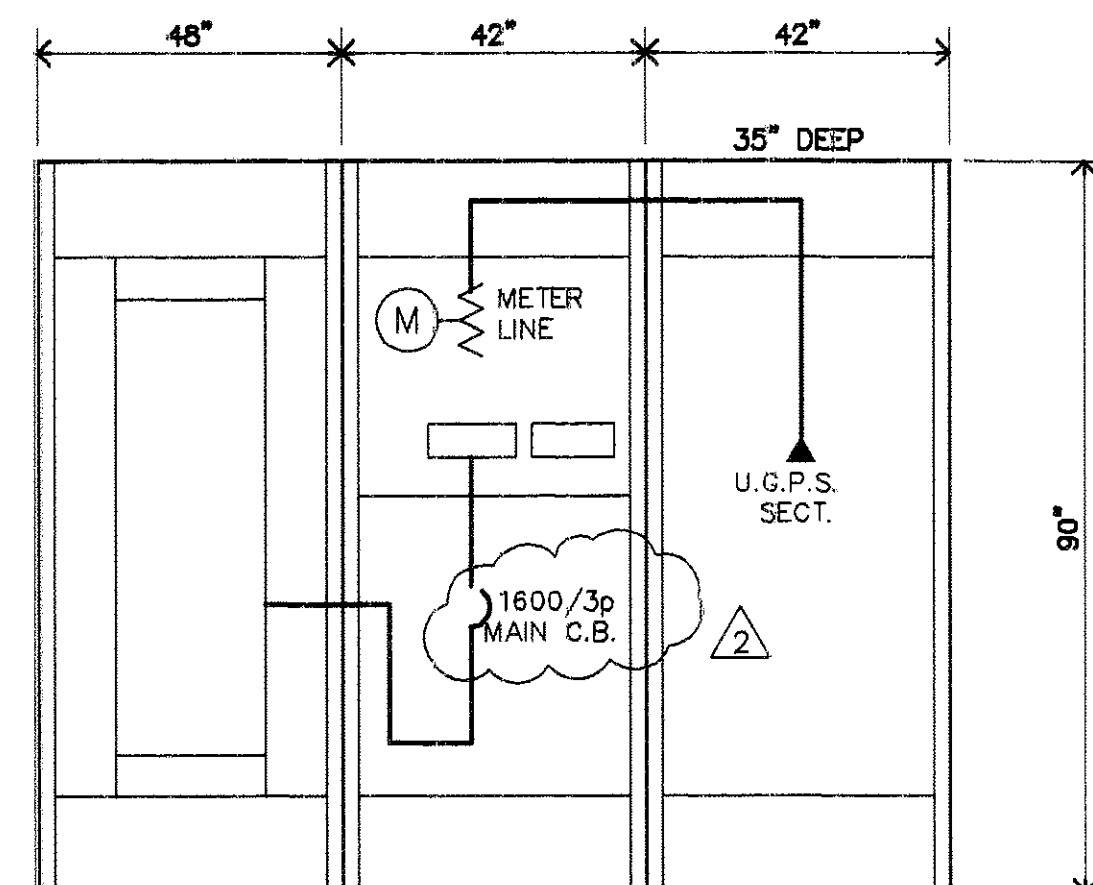
ROOM POWER RISER

NOT TO SCALE



A/C RISER

NOT TO SCALE



MAIN SERVICE PANEL NOTES:

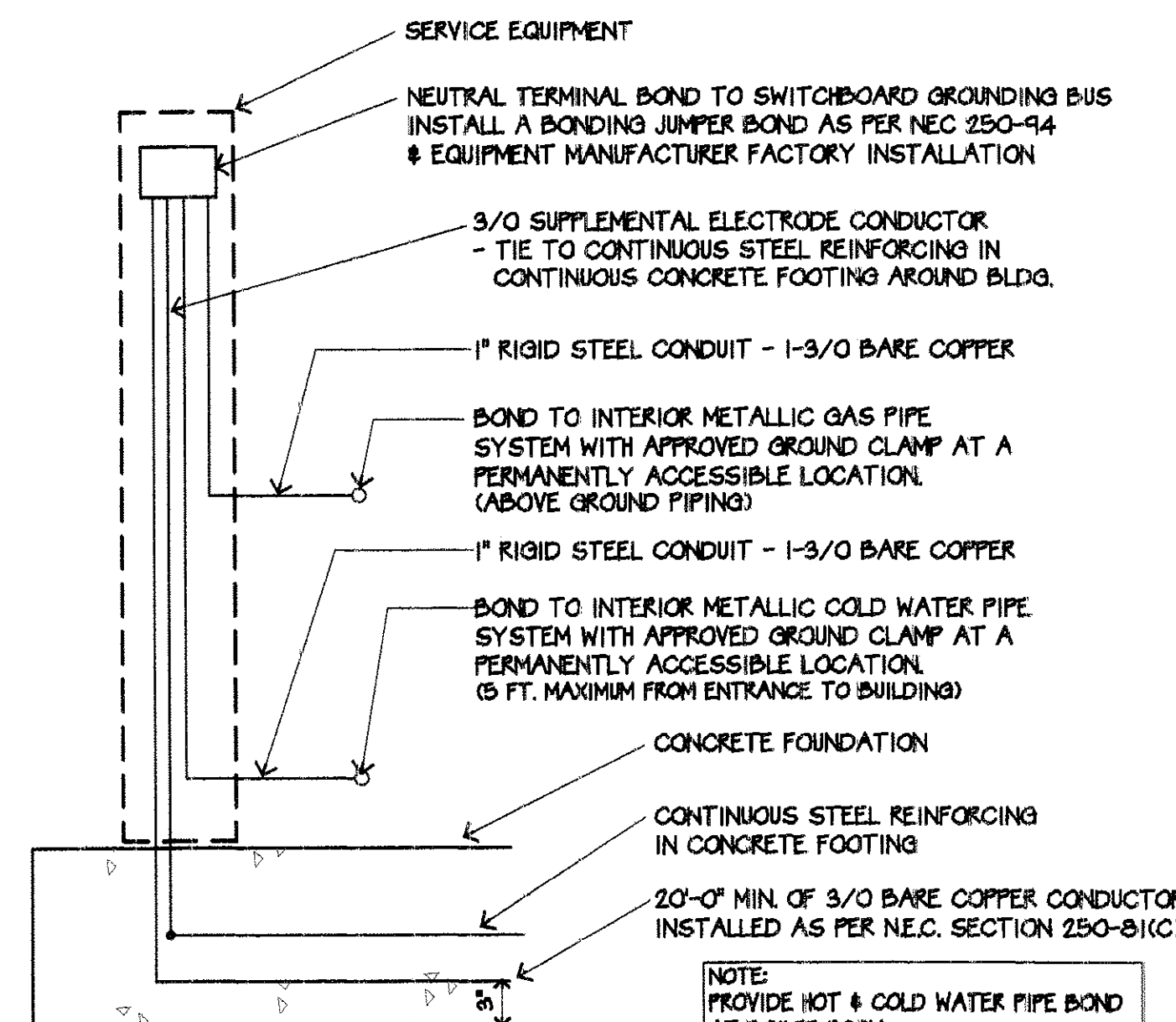
1. ALL DIMENSIONS ARE NOMINAL.
2. THE COMPLETE SWITCHBOARD SHALL HAVE A SYMMETRICAL SHORT CIRCUIT RATING EQUAL TO OR GREATER THAN THAT AVAILABLE FROM THE UTILITY COMPANY.
3. BOLT SECTIONS OF THE SWITCHBOARD TOGETHER WITH 1/2" BOLT & NUTS AT 4 PLACES OR AS PER MFG. REQ'TS.
4. BOLT EACH SECTION OF SWITCHBOARD TO PAD WITH 4-1/2" x 3" LONG HILTI KWIK BOLT II WEDGE ANCHORS FABRICATED & INSTALLED PER (CBO REPORT NO. 4627)
5. SET MAIN DISTRIBUTION PANEL, METER SECTION & PULL SECTION (COMPLETE) ON 6" THICK CONCRETE PAD. PROVIDE #3 BARS @ 18" O.C. EACH WAY @ CENTER OF PAD

1600 AMP, 120/208V, 3Ø, 4W

MAIN DISTRIBUTION PANEL ELEV.

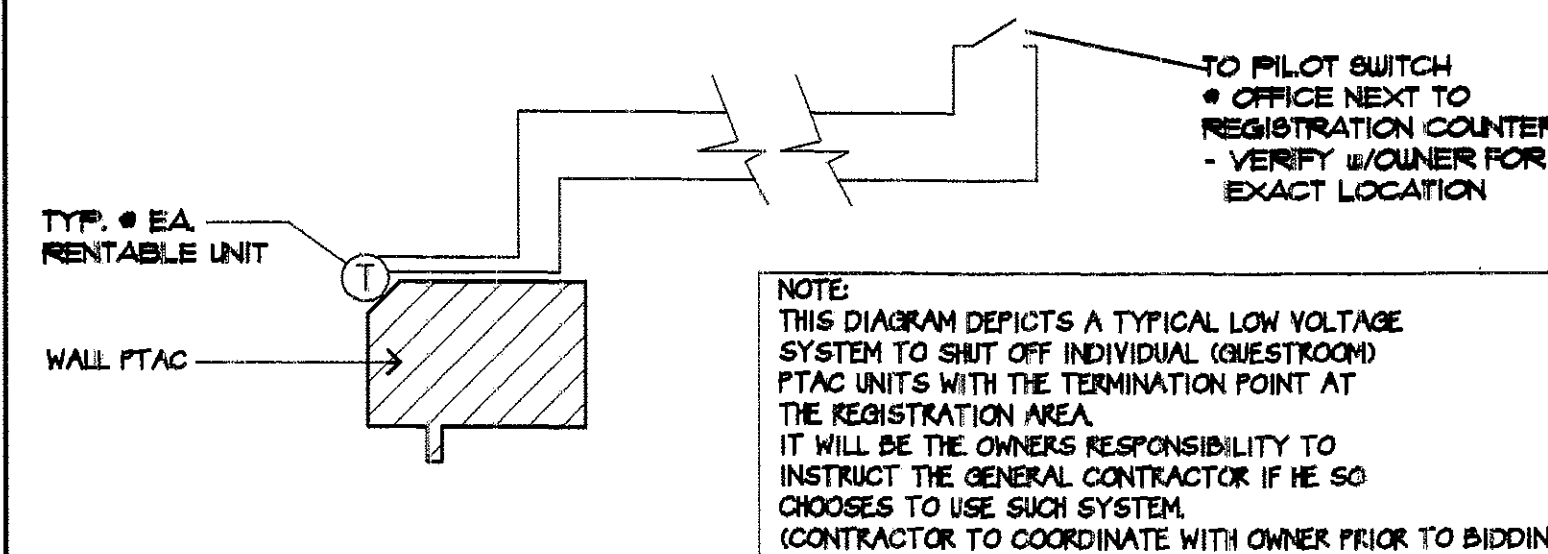
NOT TO SCALE

(OUTDOOR PANEL/ NEMA TYPE 3R)



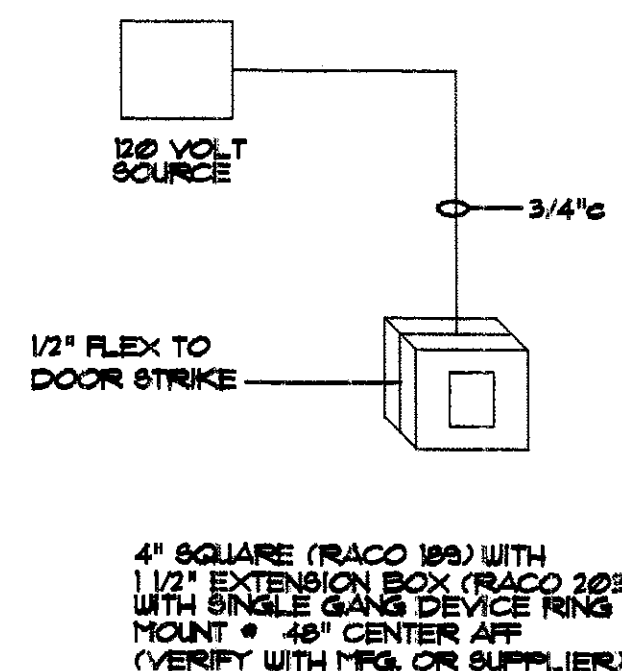
CONCRETE ENCASED GROUND DETAIL

NOT TO SCALE



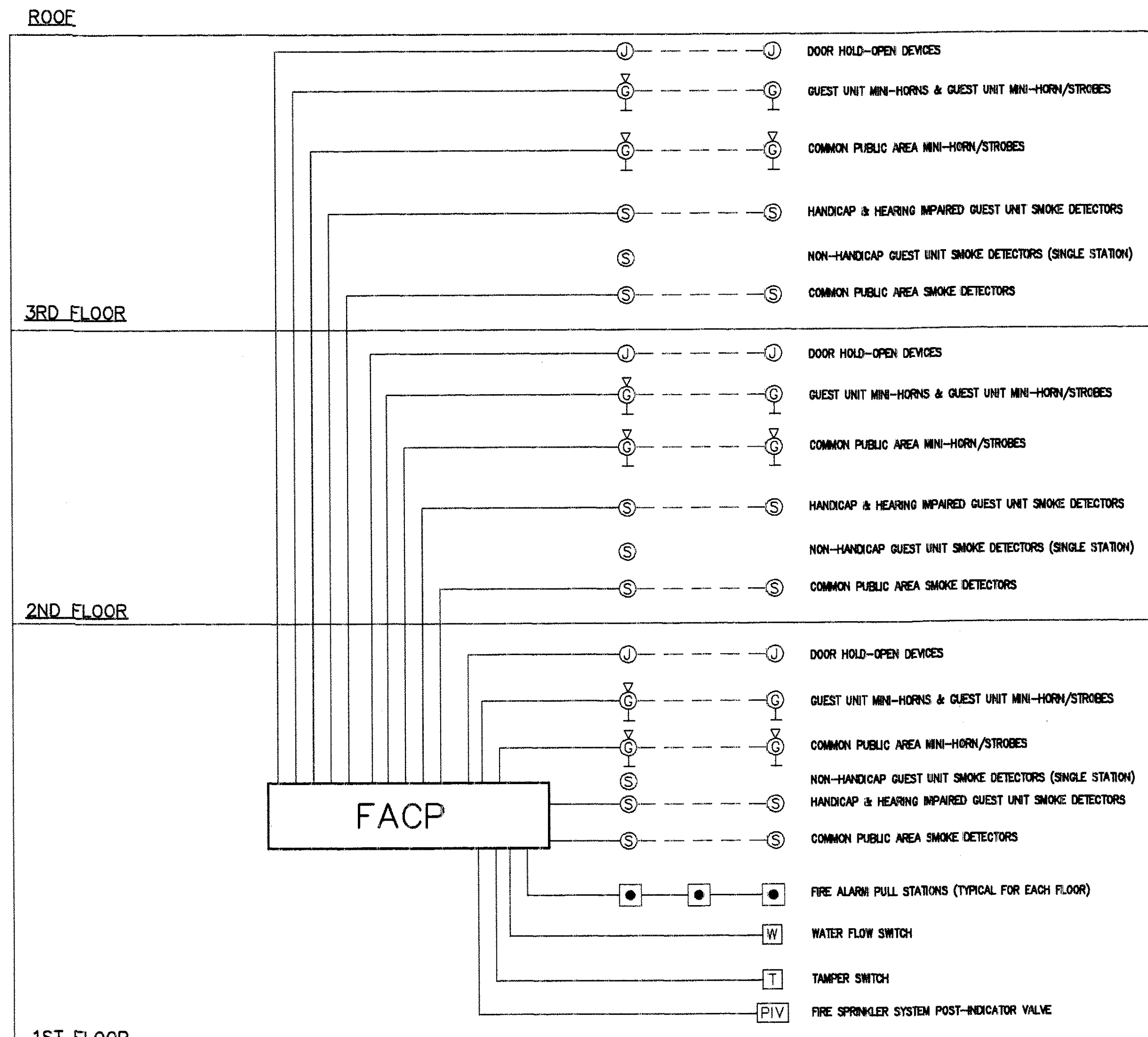
CONTROL WIRING DIAGRAM

NOT TO SCALE



CARD READER DETAIL

NOT TO SCALE



FIRE ALARM SYSTEM SCHEMATIC

NOT TO SCALE

LEE GAGE & ASSOC., INC.

LEE GAGE & ASSOCIATES, INC.
architecture • engineering • planning
7836 n. ingram suite 107 fresno, california 93711 phone (558) 439-2222

THESE DRAWINGS, DESIGN, SPECIFICATIONS, AND CALCULATIONS ARE THE EXCLUSIVE PROPERTY OF LEE GAGE & ASSOCIATES, INC. AND WILL BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. NO PART OF THESE DRAWINGS, DESIGN, SPECIFICATIONS, AND CALCULATIONS SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN CONSENT OF LEE GAGE & ASSOCIATES, INC.

HAWTHORN SUTTES LTD.
1940 FRANCISMAN WAY, SUITE 410
ALAMEDA, CA 94501
PHONE/FAX (415) 814-9881

PROPOSED: **HAWTHORN SUTTES LTD.**
1940 FRANCISMAN WAY, SUITE 410
ALAMEDA, CA 94501
OWNERS: **ALAMEDA HOSPITALITY, LLC**
1940 FRANCISMAN WAY, SUITE 410
ALAMEDA, CA 94501
PHONE/FAX (415) 814-9881

07/09/02
RECEIVED
CENTRAL PLANNING
ALAMEDA, CA 94501

E10
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

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
50 ROOMS w/HAIR DRYER @ 1500VA/RM	75,000
SUBTOTAL	280,436

DEMAND FACTOR	FIRST 20kVA x 50% NEXT 80kVA x 40% REMAINDER x 30%	10,000 32,000 45,131
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	13,058 CONNECTED	13,056 VA
PANEL AA	3,264 CONNECTED	3,264
PANEL PBX	14,450 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		85,368

DEMAND FACTOR	FIRST 10kVA x 100% REMAINDER x 50%	10,000 27,694
SUBTOTAL		37,694

D. LAUNDRY EQUIPMENT (100%)			DISCONNECT RATING
GAS DRYERS	2 @ 3,168 VA EA.	2,736 VA	20A / 3 POLE
CLOTHES WASHERS	2 @ 6,840 VA EA.	13,680 VA	30A / 3 POLE
QUEST CLOTHES DRYERS (ELECT)	1 @ 5,600 VA EA.	5,600 VA	30A / 2 POLE
QUEST 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
SUBTOTAL		21,996

F. FUTURE RETAIL SPACES		
BASED ON 1990 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	FIRST 10kVA x 100% REMAINDER x 50%	1,185 1,185
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%)	14,850
-------------------------------------	---------------

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
	2 @ 3,480 VA EA.	17,400	1/2" C w/2-#12 & 1-#12 GND	
	2 @ 5,864 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:	57 @ 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		545,882 VA		
----------------------	--	-------------------	--	--

TOTAL CODE AMPS	545,882 VA (208)(1.732)	=	1,515 AMPS	
-----------------	----------------------------	---	-------------------	--

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

ROOF

3RD FLOOR

2ND FLOOR

1ST FLOOR

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 CONTRACTOR'S 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.

ALL EXTERIOR MOUNTED PANELS SHALL HAVE A NEMA-3R RATING LOCATE ON ROOF
- REFER TO SHEET E2D FOR APPROXIMATE LOCATION
- REFER TO DETAIL E2D MOUNTING REQ'TS.

NOTE:
AIC RATING OF MAIN SERVICE PANEL & SUB-PANEL DISCONNECTS TO BE AS REQUIRED BY SERVING UTILITY CO.
- PROVIDE LISTED SERIES RATED SYSTEM BY 'GE' 'SQUARE D' OR EQUAL
AIC RATING
PER LETTER DATED

NOTE:
REFER TO WIRE SIZE SCHEDULE THIS SHEET FOR FEEDER & CONDUIT SIZE TO EACH SUB-PANEL

METER & BASE
1600A MAIN SERVICE SWITCH
PANEL MDP (100% RATED)
- PROVIDE 3P BREAKER FOR EA. SUB-PANEL
GROUND PER DETAIL THIS SHEET (CONC. ENCASED GROUND)

SERVICE CONDUCTOR SIZING
LOAD PER PHASE: 1,800 THHN COPPER
WIRE TYPE: 1000 kcmil
WIRE SIZE: 430 x 80% = 344 AMPS
TOTAL WIRES PER PHASE REQ'D: 1800 / 344 = 4.6 USE 5 WIRES
NUMBER OF CONDUITS REQ'D: 5
CONDUIT SIZE REQ'D: 4"

VOLTAGE DROP CALCULATION

$$VD = 1.73 \times L \times R \times I / 1000$$

Panel	Wire Type	Length (L)	Total Load To Panel	Volts	No. of Phase	Wire Size	Wire Resistance (R)	Amps/Wire	Voltage Drop (VD)	VD%
A	CU	200	60112	208	1	#3/0	0.0880	139.2619	4.90	2.56%
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	123.2546	4.34	2.09%
H	CU	200	14808	208	1	#3/0	0.0880	41.1816	1.43	0.70%
I	CU	200	34468	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	2.36%
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	2.36%
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"

WIRE SIZE SCHEDULE

PANEL RATING	WIRE SIZE	GROUNDING CONDUCTOR	CONDUIT
400 AMP	4-#500 MCM CU (THHN)	1-#3	1-3 1/2"
225 AMP	4-4/0 CU (THHN)	1-#4	1-2 1/2"
200 AMP	4-3/0 CU (THHN)	1-#6	1-2"
150 AMP	4-1/0 CU (THHN)	1-#8	1-2"
125 AMP	4-#1 CU (THHN)	1-#8	1-1 1/2"
100 AMP	4-#1 CU (THHN)	1-#8	1-1 1/2"

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
150 AMPS	150
200 AMPS	200
225 AMPS	225
400 AMPS	400

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	ELECTRICAL METALLIC TUBING (C1)	ELECTRICAL METALLIC TUBING (C2)	FLEXIBLE METALLIC TUBING (C3)	SCHEDULE 40 RIGID PVC & HDPE CONDUIT (C10)
CONDUIT TYPE	1/2"	1/2"	1/2"	1/2"
CONDUIT SIZE	1/2"	1/2"	1/2"	1/2"
THHN/THWN CONDUCTOR	1/2"	1/2"	1/2"	1/2"
#12 (CU)	5	16	26	45
#10 (CU)	5	10	16	26
#8 (CU)	3	6	9	16
#6 (CU)	2	4	7	12
#4 (CU)	1	3	6	8
#3 (CU)	1	3	6	8
#2 (CU)	1	3	6	8
#1 (CU)	1	3	6	8
#1/0 (CU)	1	3	6	8
#2/0 (CU)	0	1	2	5
#3/0 (CU)	0	1	2	5
#4/0 (CU)	0	1	2	5

REVISIONS PER OWNER REQUEST 7/3/02

REVISIONS PER ARCHITECT CLARIFICATION 7/3/02

LEE GAGE & ASSOCIATES, INC.
architecture • engineering • planning
7636 n. ingram suite 107 fremont, california 94711 phone (510) 436-2222

THESE DRAWINGS, DESIGNS, SPECIFICATIONS, AND CALCULATIONS ARE THE EXCLUSIVE PROPERTY OF LEE GAGE & ASSOCIATES, INC. AND ARE NOT TO BE REPRODUCED OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF LEE GAGE & ASSOCIATES, INC.

HAWTHORN SUITES LTD

PROPOSED: **HAWTHORN SUITES LTD.**
1540 FRANCISCAN WAY, SUITE #10
ALAMEDA, CA 94501 PHONE/FAX (510) 814-9881

07/09/02

RECEIVED
CENTRAL RECORDS
ALAMEDA, CA

E11
SHEET OF

SYSTEM 21 (S21) AND PBX EQUIPMENT SCHEDULE

MARK	EQUIPMENT DESCRIPTION	SYSTEM FUNCTION	APPROX. SPACE REQUIRED	ELECTRICAL OUTLET REQUIREMENTS	COMMENTS	BTU OUTPUT	QUANTITY
1	UNINTERRUPTABLE POWER SUPPLY (UPS)	S21 POWER PROTECTION FOR FILE SERVER	6W x 17D x 7H	115 V. DEDICATED 0.8 KVA	WEIGHT = 50 LBS.	EST. 363	(1)
2	PRINTER	S21 FILE SERVER	16W x 14D x 5H	DEDICATED 1.0 AMPS 115 V.	WEIGHT = 16 LBS.	EST. 150	(1)
3	DIGITAL INTERFACE UNIT (D.I.U.) OR ROUTER	S21 COMMUNICATIONS (RESERVATION SYST.)	19W x 18D x 7H	115 V. DEDICATED 1.5 AMPS	WEIGHT = 15 LBS.	EST. 860	(1)
4	MSAU BOX	MULTI-STATION ACCESS UNIT	13"W x 5"D x 24"H	STUB 1" SIGNAL CONDUIT NEAR BOX FROM REGISTRATION DESK	WEIGHT = 10 LBS. MSAU IS WALL MOUNTED	NIL	(1)
5	IBM SYSTEM UNIT (TOWER), CRT, KEYBOARD	S21 FILE SERVER (DATA STORAGE)	IBM MONITOR: 12W x 13D x 12H KEYBOARD: 20W x 9D x 3H SYSTEM UNIT: 19W x 28D x 21H	115 V. DEDICATED 1.5 AMPS SYSTEM UNIT - 5.3 AMPS MONITOR - 0.8 AMPS	WEIGHT = IBM MONITOR 17 LBS. WEIGHT = SYSTEM UNIT 85 LBS. PLACE SYSTEM UNIT ON FLOOR IN UPRIGHT(VERTICAL) POSITION	EST. 1430	(1)
6	MAP 5 TOWER, CRT, KEYBOARD	VOICE MAIL/CALL ACCOUNTING	SYSTEM UNIT: 21.5W x 22.5D x 6.5H KEYBD.: 18W x 21.5D x 2.5H CRT: 18W x 19D x 16H		PLACE WITHIN 50' OF S21 NEED APPROX. 6" CLEARANCE ON ALL SIDES	MAP 5: 840 CRT: 290.7	(1) (1)
7	MAP 5 PRINTER	CALL ACCOUNTING	15W x 11D x 3.5H		LOCATE ADJACENT TO MAP 5 TOWER		(1)
8	JOURNAL PRINTER	WAKE-UP CALL	24W x 14D x 6H		LOCATE IN COMPUTER ROOM OR AT FRONT DESK		(1)
9	SERVER/DIGITAL PBX SWITCH/CARRIER CABINET	PBX	27W x 22D (HEIGHT VARIES)	120 V, 60 HZ, 15 OR 20 AMPS	ROOM TEMP. TO BE 40-120 DEGREES FARENHEIT WEIGHT = 130 LBS. LIGHTING: 50-70 FC	1700 EACH CABINET	(1)
10	UPS/EXTENDED BATTERY	PBX	UPS: 5.6W x 15.75D x 9.9H BATTERY: 5.8W x 15.75D x 9.9H	UPS: 120 VAC, 20 AMPS BATTERY: 12 VDC, 5 A/H	UPS WEIGHT = 33 LBS. BATTERY WEIGHT = 33 LBS.	783	(1) (2)
11	FRAMESERVER	FRAME RELAY	5.6W x 12.8D x 3.15H	UPS: 120 VAC, 20 AMPS	WEIGHT = 2.59 LBS.		(1)
12	SAT PRINTER	GUESTWORKS					(1)
13	SAT TERMINAL	GUESTWORKS			LOCATE NEAR PHONE EQUIP.		(1)

NOTES:

- ALLOW SPACE BEHIND SHELVES AND PERFORATED SHELVING IN EQUIPMENT ROOM FOR HEAT DISSIPATION AND CABLES.
- PBX EQUIPMENT MUST BE COMPATIBLE WITH COMPUTER EQUIPMENT LISTED.
- IF PHONE SWITCH IS NOT LOCATED IN SAME ROOM AS COMPUTER EQUIPMENT, PROVIDE A SMDR CABLE (25 PIN MALE) FROM THE COMPUTER EQUIPMENT ROOM TO THE PHONE SWITCH LOCATION.

LEGEND

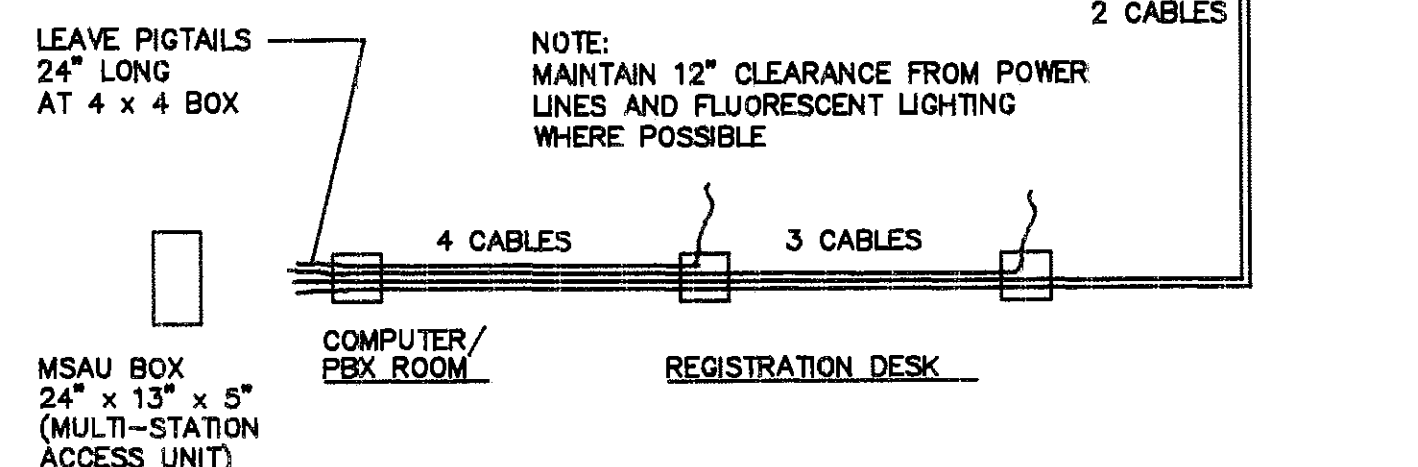
- DUPLEX CONVENIENCE RECEPTACLE, 15 AMPERE, 120 VOLT, 2 POLE, 3 WIRE, GROUNDING TYPE NEMA 5-15R, EQUAL TO HUBBELL 5252.
- DUPLEX RECEPTACLE, 20 AMPERE, 120 VOLT, 2 POLE, 3 WIRE ON DEDICATED CIRCUIT I.E. NOT CONNECTED TO CIRCUIT WITH ANY OTHER ITEMS EXCEPT OTHER DEDICATED CIRCUIT ITEMS. NEMA 5-20R, EQUAL TO HUBBELL 5362
- DOUBLE DUPLEX RECEPTACLE, CONNECTED TO DEDICATED CIRCUIT WHERE MARKED WITH "DC".
- TELEPHONE OUTLET
- COMBINATION DATA/TELEPHONE OUTLET
- JUNCTION BOX, STANDARD 2X4 BOX (UNO)
- TELEPHONE CONDUIT, EMPTY 1"

NOTE:
ALL DUPLEX CONVENIENCE RECEPTACLES SHALL BE MOUNTED 12" A.F.F. TO CENTERLINE OF BOX UNLESS OTHERWISE NOTED.

CABLES: IBM TYPE 9 PLENUM 4 WIRE FROM EACH WORKSTATION TO THE MSAU IN THE PBX RM. (CABLE FURNISHED BY S21 SUPPLIER AND INSTALLED BY ELECTRICAL CONTRACTOR)

CONDUIT: 1" EMT

JUNCTION BOXES: STANDARD 2" x 4" BOX (COVERS AND RECEPTACLES BY S21 INSTALLER)



SIGNAL CABLE DIAGRAM

NO SCALE

KEY NOTES

- MAIN TELEPHONE BACKBOARD (3/4" PLYWOOD, PAINTED FLAT BLACK) FOR CROSS CONNECT BLOCKS
- POWER FOR TELEPHONE SWITCH (ACTUAL POWER REQUIREMENTS MUST BE VERIFIED WITH TELEPHONE SUPPLIER)
- DEDICATED PHONE LINE FOR REMOTE DIAGNOSTIC PURPOSES
- PHONE EXTENSION FOR DIU DIAL BACKUP PURPOSES
- JUNCTION BOX FOR SIGNAL SYSTEM FROM MSAU
- HUB AND PATCH PANEL
- HOTEL MANAGEMENT SYSTEM (S21) PANEL. S21 ELECTRICAL CIRCUITS SHALL BE FED FROM SUB-PANEL "PBX" (DEDICATED)

PBX & REGISTRATION DESK ELECTRICAL LAYOUT

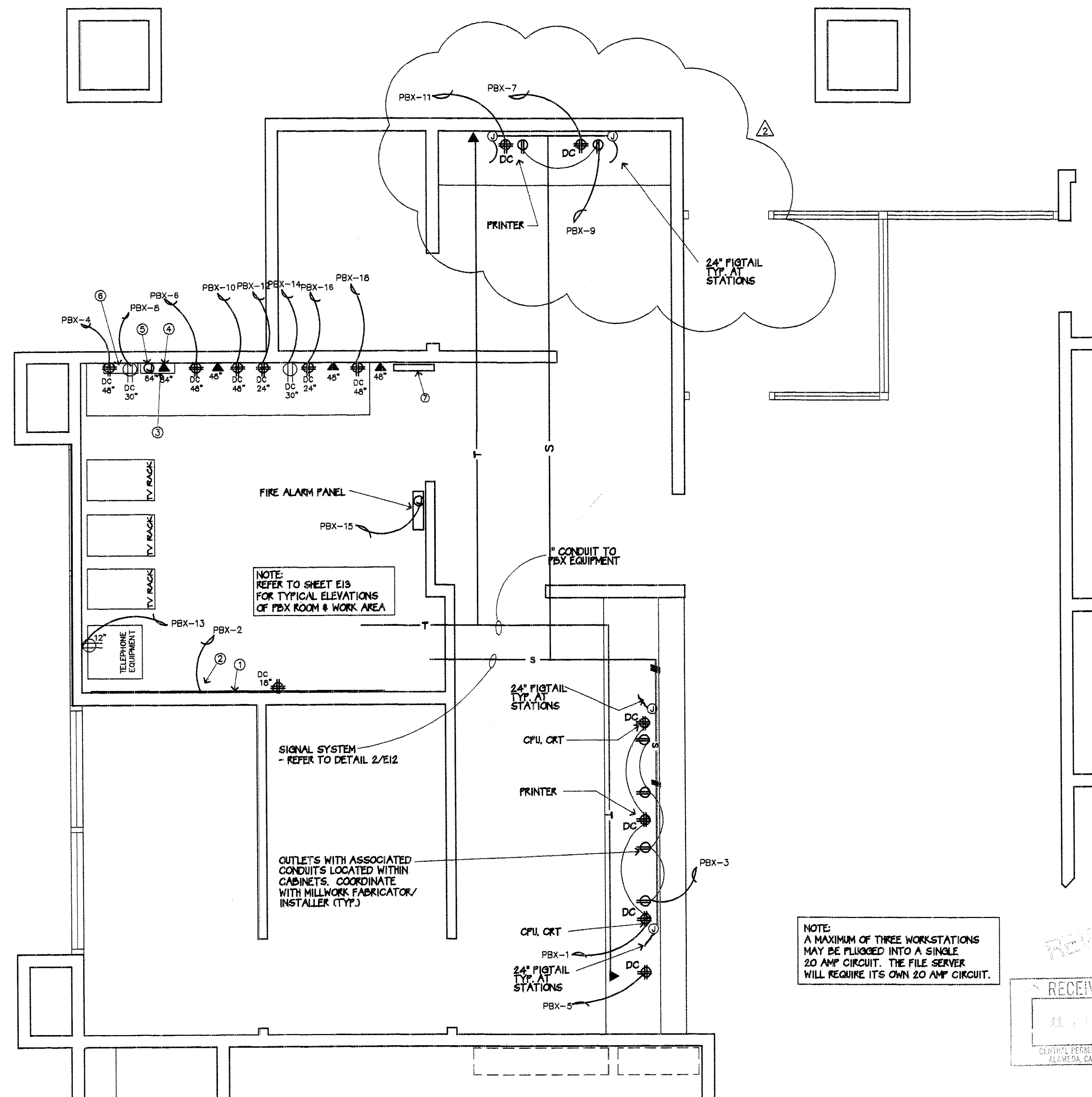
SCALE: 3/8" = 1'-0"

REGISTRATION DESK EQUIPMENT SCHEDULE

MARK	EQUIPMENT DESCRIPTION	SYSTEM FUNCTION	APPROX. SPACE REQUIRED	ELECTRICAL OUTLET REQUIREMENTS	COMMENTS	BTU OUTPUT	QUANTITY
14.	IBM SYSTEM UNIT, CRT, KEYBOARD	S21/WORKSTATION	SYSTEM UNIT: 17W x 18D x 7H KEYBOARD: 20W x 9D x 3H COLOR CRT: 15W x 17D x 16H	SYSTEM UNIT: DEDICATED, 1.5 AMPS KEYBOARD: NONE COLOR CRT: DEDICATED, 1.0 AMPS	REQUIRES 3 DEDICATED 115 V. OUTLETS PER WORKSTATION: 1-SYSTEM UNIT, 1-CRT, 1-PRINTER	EST. 700	(2)
15.	T.I. PRINTER	S21/WORKSTATION	16W x 14D x 5H	DEDICATED 1.0 AMPS 115 V.	WEIGHT 16 LBS.	EST. 150	(2)
15A.	PBX CONSOLE	PBX/CONSOLE	17Wx10Dx5H	NONE (POWER SUPPLIED BY PBX SWITCH)		NIL	(1)

WORK AREA EQUIPMENT SCHEDULE

MARK	EQUIPMENT DESCRIPTION	SYSTEM FUNCTION	APPROX. SPACE REQUIRED	ELECTRICAL OUTLET REQUIREMENTS	COMMENTS	BTU OUTPUT	QUANTITY
16.	IBM SYSTEM UNIT, CRT, KEYBOARD	S21/WORKSTATION	SYSTEM UNIT: 17W x 18D x 7H KEYBOARD: 20W x 9D x 3H COLOR CRT: 15W x 17D x 16H	SYSTEM UNIT: DEDICATED, 1.5 AMPS KEYBOARD: NONE COLOR CRT: DEDICATED, 9.5 AMPS	REQUIRES 4 DEDICATED 115 V. OUTLETS PER WORKSTATION: 1-SYSTEM UNIT, 1-CRT, 1-PRINTER, 1-TAPE BACKUP UNIT	EST. 530	(1)
17.	T.I. PRINTER	S21/WORKSTATION	16W x 14D x 5H	DEDICATED 1.0 AMPS 115 V.	WEIGHT 16 LBS.	EST. 150	(1)



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

THESE DRAWINGS, DESIGN, SPECIFICATIONS, AND CALCULATIONS ARE THE EXCLUSIVE PROPERTY OF LEE GAGE & ASSOCIATES, INC. AND WILL BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. ANY REUSE, REPRODUCTION, OR REPRESENTATION OF THESE DOCUMENTS SHALL BE USED WITHOUT THE WRITTEN CONSENT OF LEE GAGE & ASSOCIATES, INC.

HAWTHORN SUITES LTD.
ALAMEDA, CA

PROPOSED: **HAWTHORN SUITES LTD.**
1000 BAKER STREET
ALAMEDA, CA 94601
OWNERS: **ALAMEDA HOSPITALITY, LLC**
1000 BAKER STREET
ALAMEDA, CA 94601 PHONE/FAX (910) 814-9881

RECEIVED
JUL 1 2002
CENTRAL PERMITS OFFICE
ALAMEDA, CA 94601

07/09/02
LICENSED ARCHITECT
LEE GAGE
C-6718
REN. 11-31-03
STATE OF CALIFORNIA

E12
SHEET
OF

REVISIONS PER
OWNER REQUEST
7/3/02

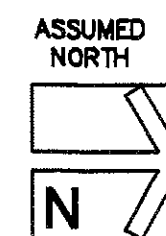


GENERAL NOTE: ALL INTERIOR PARTITIONS SHALL BE 1-HR. RATED CONSTRUCTION

NOTE: ALL DUCT/PIPING SHAFTS TO BE 1-HR FIRE RATED SEPERATIONS
TYPICAL THUS
-REFER TO DETAIL 3/M4 FOR REQUIREMENTS

FIRE STOP INDEX			
U.L. LISTING	FIRE RATING	THROUGH PENETRANTS	SEALANT
WL1001	1, 2 HR. WALL	12" (MAX.) SCH. 10 (OR HEAVIER) STEEL PIPE, SERVICE WT. (OR HEAVIER) CAST IRON SOIL PIPE, CLASS 50 (OR HEAVIER) DUCTILE IRON PIPE, 6" (MAX.) STEEL CONDUIT, 4" (MAX.) STEEL EMT, 6" (MAX.) TYPE L (OR HEAVIER) COPPER TUBING, 1" (MAX.) FLEXIBLE STEEL CONDUIT	CP 25WB+
FC1006	1 HR. FLOOR/CEIL.	4" (MAX.) SCH. 10 (OR HEAVIER) STEEL PIPE, SERV. WT. (OR HEAVIER) CAST IRON SOIL PIPE, STEEL CONDUIT, STEEL EMT 3" (MAX.) TYPE L (OR HEAVIER) COPPER TUBING,	CP 25WB+

NOTE: SEALANT SHALL BE BY "3M" (OR EQUAL)
NOTE: REFER TO SHEET FS3 FOR FIRE STOP DETAILS

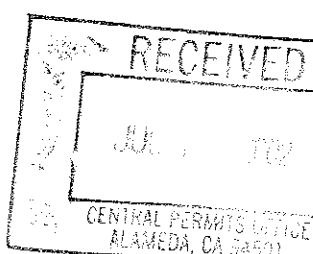


LEGEND		
SYMBOL	DESCRIPTION	DETAIL REFERENCE
~~~~~	1HR OCC. SEPARATION	1/A10
---	1HR FIRE SEPARATION	1/A10-TYPICAL CORRIDOR 3/A10-CORRIDOR/GUESTRM SEP.
---	1HR FIRE RATED ENCLOSURE	10/A10

## FIRE RATED ASSEMBLY KEY PLANS

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

REVISIONS PER CITY OF ALAMEDA 7/3/02



LEE GAGE & ASSOC., INC.

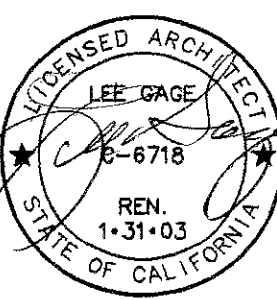
**LEE GAGE & ASSOCIATES, INC.**  
architecture • engineering • planning  
7636 n. ingram suite 107 fresno, california 93711 phone (559) 439-2222

THIS DRAWING, DESIGN, SPECIFICATIONS, AND ANY INFORMATION HEREON IS THE SOLE & EXCLUSIVE PROPERTY OF LEE GAGE & ASSOCIATES, INC. NO PART OF THIS DRAWING OR INFORMATION HEREON IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF LEE GAGE & ASSOCIATES, INC.

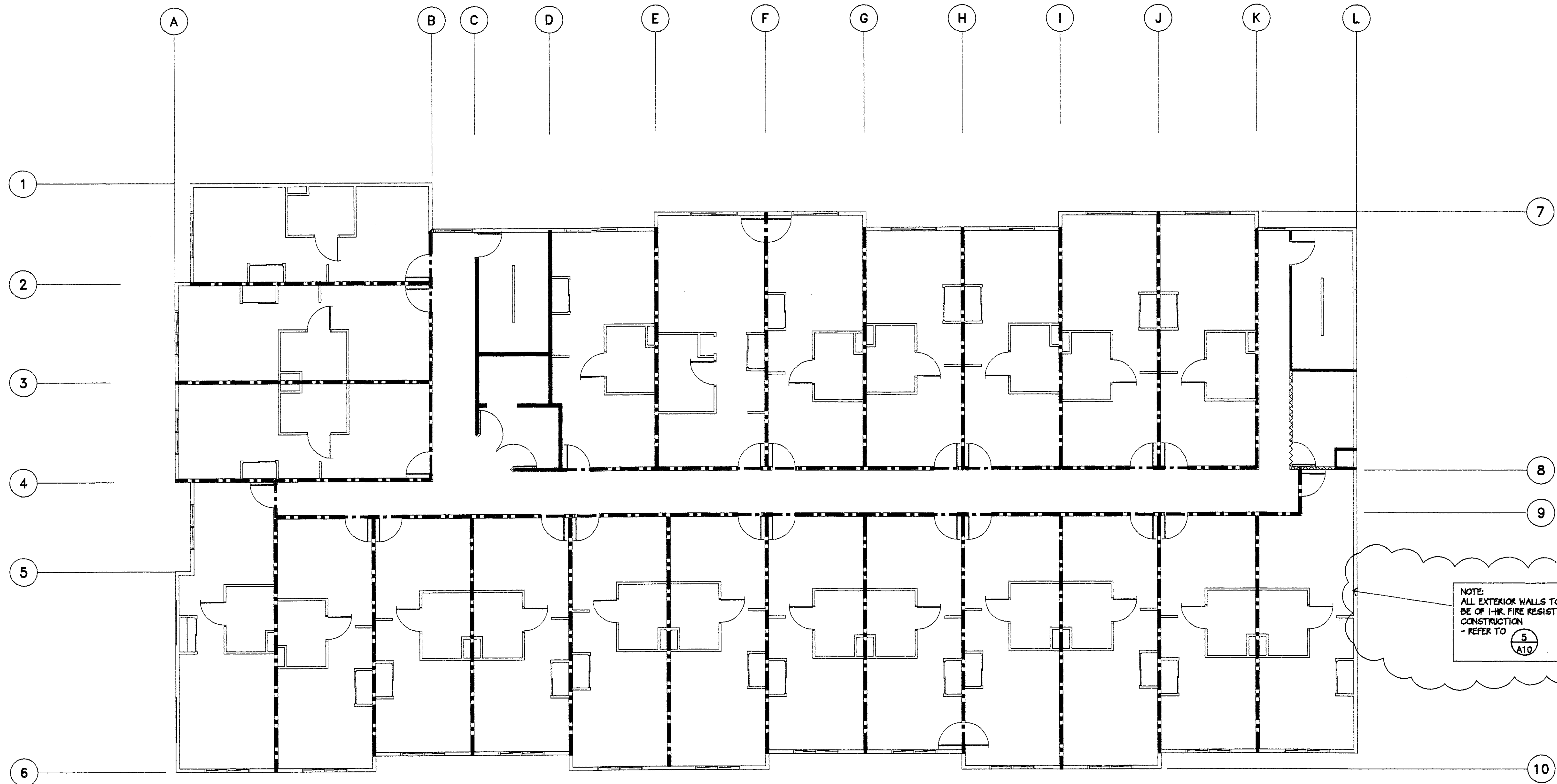


PROPOSED: HAWTHORN SUITES LTD.  
1000 WESTER STREET  
ALAMEDA, CA  
OWNERS: ALAMEDA HOSPITALITY, LLC  
1940 FRANCISCAN WAY, SUITE #10  
ALAMEDA, CA 94601 PHONE/FAX(415) 814-9881

07/09/02



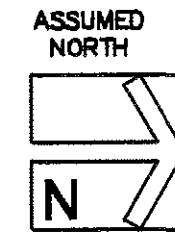
**FS1**  
SHEET  
OF



**2nd FLOOR**  
(3RD FLOOR SIM.)

△ REVISIONS PER  
CITY OF ALAMEDA  
7/3/02

LEGEND		
SYMBOL	DESCRIPTION	DETAIL REFERENCE
~~~~~	1HR OCC. SEPARATION	1/A10
----	1HR FIRE SEPARATION	1/A10-TYPICAL CORRIDOR 3/A10-CORRIDOR/GUESTRM SEP. 7/A10, 9/A10
=====	1HR FIRE RATED ENCLOSURE	10/A10



FIRE RATED ASSEMBLY KEY PLANS

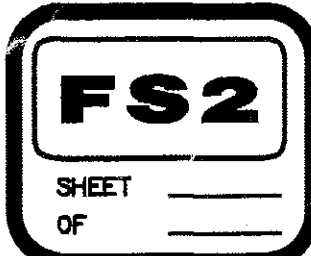
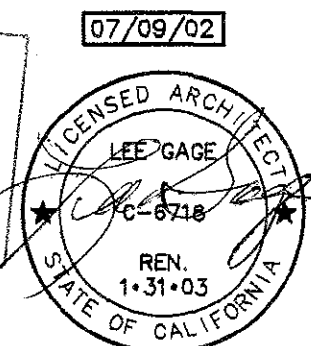
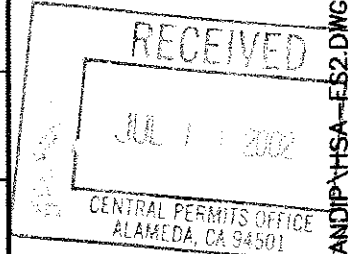
SCALE: 1/8"=1'-0"

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

THESE DRAWINGS, INCLUDING SPECIFICATIONS, ARE THE SOLE & EXCLUSIVE PROPERTY OF LEE GAGE & ASSOCIATES, INC. NO PART OF THESE DRAWINGS OR SPECIFICATIONS SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF LEE GAGE & ASSOCIATES, INC.



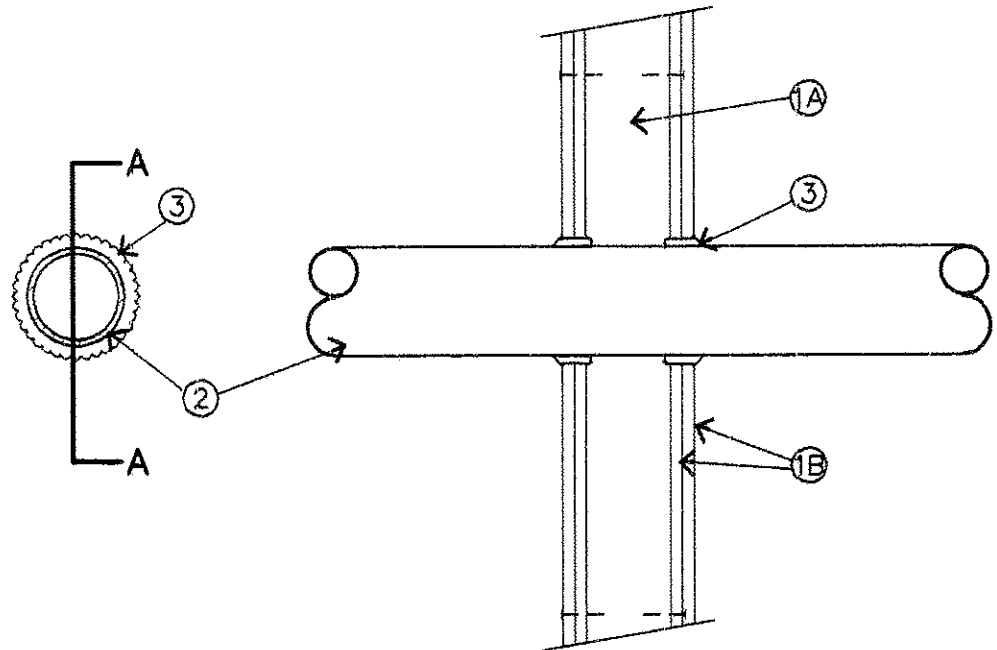
HAWTHORN SUITES LTD.
PROPOSED: 1828 WESTER STREET, ALAMEDA, CA
OWNERS: **ALAMEDA HOSPITALITY, LLC**
1840 FRANGISSAN WAY, SUITE #110, ALAMEDA, CA 94601 PHONE/FAX(910) 914-8981



1
FS3

System No. WL1001 (Formerly System No. 147)

F Ratings - 1, 2, 3 and 4 Hr (See Items 2 and 3)
T Ratings - 0, 1, 2, 3 and 4 Hr (See Item 3)
L Rating At Ambient - Less Than 1 CFM/sq ft
L Rating At 400 F - Less than 1 CFM/sq ft



SECTION A-A

- Wall Assembly:** The 1 or 2 hr fire rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
A. **Studs:** Wall framing may consist of either wood studs (max 2 h fire rated assemblies) or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 18 in. OC with nom 2 by 4 in. lumber end plates and cross braces. Steel studs to be min 3-5/8 in. wide by 1-3/8 in. deep channels spaced max 24 in. OC.
- Pipe or Conduit:** Nom 12 in. diam (or smaller) Schedule 10 (or heavier) steel pipe, nom 12 in. diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in. diam (or smaller) Class 50 (or heavier) ductile iron pipe, nom 8 in. (or smaller) steel conduit, nom 4 in. (or smaller) steel electrical metallic tubing, nom 8 in. diam (or smaller) Type L (or heavier) copper tubing or nom 1 in. diam (or smaller) flexible steel conduit. When copper pipe is used, Max F Rating of firestop system (Item 3) is 2h. Steel pipes or conduits larger than nom 4 in. diam may only be used in walls constructed using steel channel studs. A max of one pipe or conduit is permitted in the firestop system. Pipe or conduit to be installed near center of stud cavity width and to be rigidly supported on both sides of wall assembly.
- Fill, Void or Cavity Materials:** **Caulk:** Caulk fill material installed to completely fill annular space between pipe or conduit and gypsum wallboard with a min 1/4 in. diam bead of caulk applied to perimeter of pipe or conduit at its egress from the wall. Caulk installed symmetrically on both sides of wall assembly. The hourly F Rating of the firestop system is dependent upon the hourly fire rating of the wall assembly in which it is installed, as shown in the following table.
The hourly T Rating is dependent on the hourly rating of the wall assembly, the pipe or conduit size and whether the pipe is intended for use as a closed or vented system, as shown in the following table

Nom Pipe Diam. in.	Wall Assembly Rating Hr	F Rating Hr.	T Rating Hr.
1	0 to 3/16	1 or 2	0+, 1 or 2
1	1/4 to 1/2	3 or 4	3 or 4
4	0 to 1/4	1 or 2	0
4	0 to 1 1/2#	1 or 2	0
6	1/4 to 1/2	3 or 4	0
12	3/16 to 3/8	1 or 2	0

+ When copper pipe is used, T rating is 0 h.
0 to 1 1/2 in. annular space applies only when Type CP-25 WB+ caulk is used and only when the min thickness of the gypsum wallboard is 5/8 in. for 1 hr rated walls and 1 1/4 in. for 2 hr rated walls

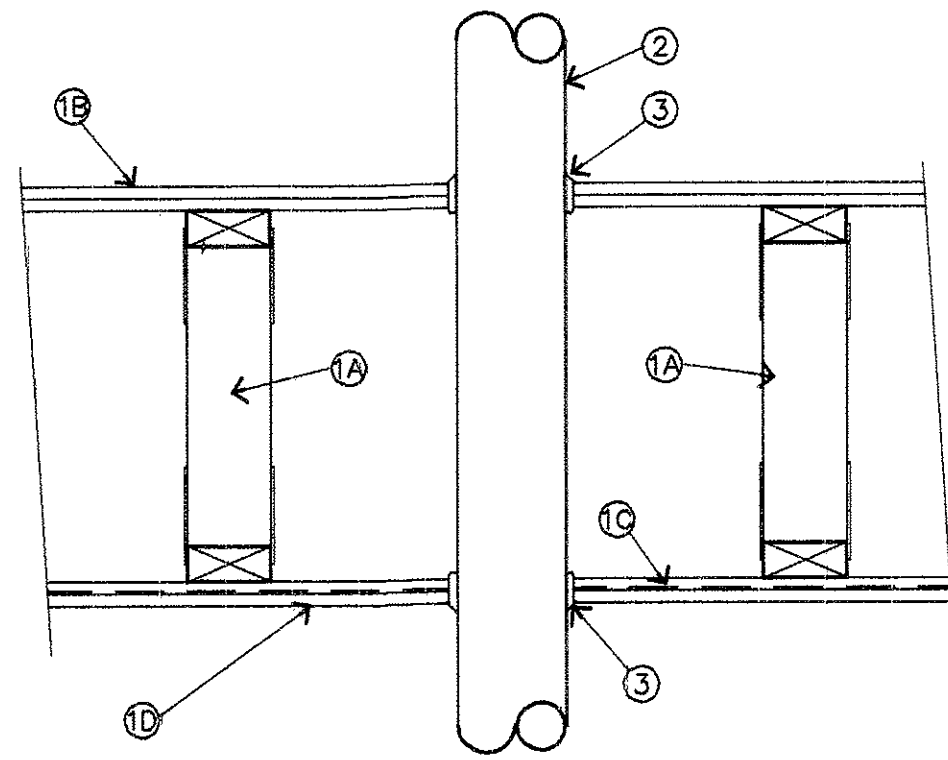
Minnesota Mining & Mfg. Co.: CP 25 WP+, MPS-2+

* Bearing the UL Classification Marking

2
FS3

System No. FC1006 (Formerly System No. 453)

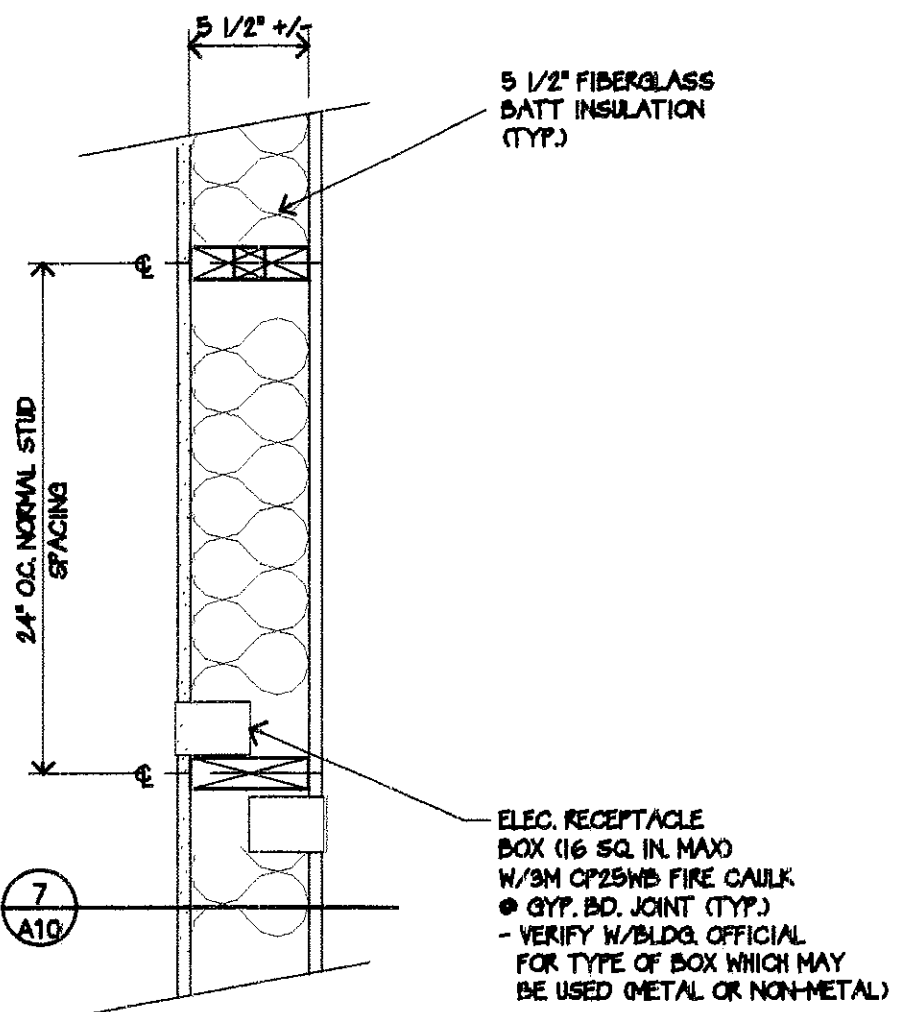
F Rating - 1 Hr
T Rating - 1 Hr
L Rating At Ambient - Less Than 1 CFM/sq ft
L Rating At 400 F - Less than 1 CFM/sq ft



- Floor-Ceiling Assembly:** The fire rated wood joist, wood truss or combination wood & steel truss Floor-Ceiling assembly shall be constructed of the materials and in the manner described in the individual L500-Series Design in the UL Fire Resistance Directory and shall include the following construction features:
A. **Joists or Trusses:** Nominal 2 by 10 in. lumber joists, min 12 in. deep parallel chord trusses fabricated from nom 2 by 4 in. lumber in conjunction with galv steel truss plates or **Structural Wood Members*** with bridging as required.
B. **Flooring:** Nom 3/4 in. thick plywood flooring with or without **Floor Topping Mixture***. Max diam of opening is 5 in.
C. **Furring Channels:** Rigid or resilient galv steel furring channels installed perpendicular to bottom chord of trusses.
D. **Wallboard Gypsum:** Nom 4 ft wide by 5/8 in. thick, screw-attached to furring channels
- Chase Wall:** (Optional, not shown) - The through penetrants (Item No. 2) may be routed through a fire-rated single or double wood stud/gypsum wallboard chase wall constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
A. **Studs:** Nom 2 by 6 in. or double nom 2 by 4 in. lumber studs
B. **Sole Plate:** Nom 2 by 6 in. or parallel 2 by 4 in. lumber plates
C. **Top Plate:** The double top plate shall consist of two nom 2 by 6 in. or two sets of parallel 2 by 4 in. lumber plates.
D. **Wallboard Gypsum:** Thickness, type, number of layers and fasteners shall be as specified in individual Wall and Partition Design. When double stud construction is used, each stud cavity containing a pipe (Item 3) shall be lined with wallboard such that the pipe is surrounded on four sides by wallboard.
- Pipe or Conduit:** Nom 4 in. diam (or smaller) Schedule 10 (or heavier) steel pipe, steel conduit or steel EMT, or cast iron pipe or nom 3 in. (or smaller) Type L (or heavier) copper tubing. Pipe to be installed approx midway between joists or trusses and centered in circular cutouts. Diam of circular cutouts is 1/4 in. to 1/2 in. larger than diam of pipe. Pipe to be rigidly supported on both sides of Floor-Ceiling assembly.
- Fill, Void or Cavity Materials:** **Caulk:** Caulk forced into annular space throughout the thickness of the flooring and gypsum wallboard ceiling or top and sole plates of chase wall and with a min 1/4 in. diam bead of caulk applied to perimeter of pipe at its egress from the top of the flooring and the underside of the wallboard ceiling or from top of sole plate or underside of top plate of the chase wall.

Minnesota Mining & Mfg. Co.: CP 25 WP+

* Bearing the UL Classification Marking



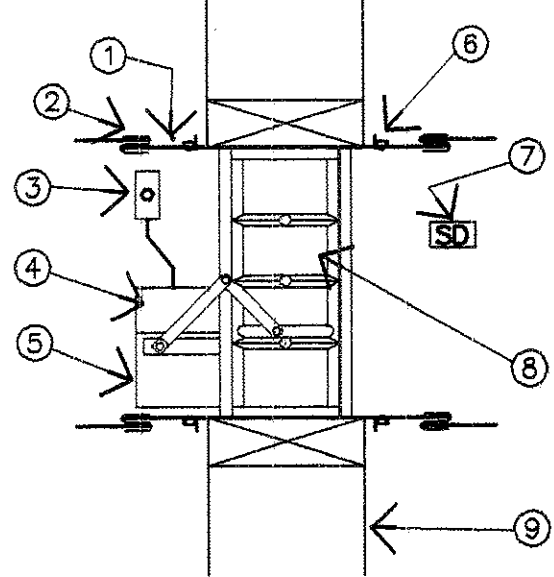
NOTE:
THIS DETAIL APPLIES TO ALL
WOOD FRAMED WALLS

FIRE STOP DETAIL @ BACK TO BACK ELECTRICAL BOXES

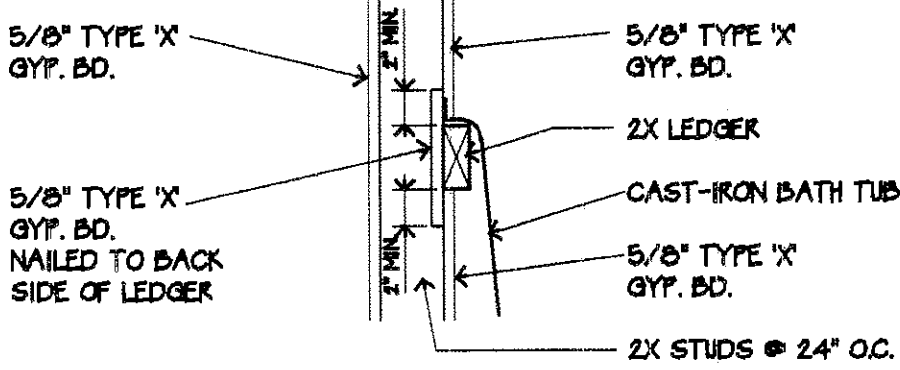
3
FS3
SCALE: NONE

4 (NOT USED)
FS3
SCALE: NONE

RD. DAMPER CSFM LISTING NO: 3225-225:107 & 108
SQ. DAMPER CSFM LISTING NO: 3225-245:005 & 109



- NOTES:
- FIRE DAMPER & INSTALLATION TO BE IN ACCORDANCE WITH CALIFORNIA STATE FIRE MARSHALL LISTING #3225.
 - FIRE DAMPER SHALL BE STATE FIRE MARSHALL APPROVED & INSTALLED STRICTLY PER MFG'S PRINTED INSTRUCTIONS.
 - MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AUTHORITIES.
 - CEILING ACCESS PANELS SHALL BE PROVIDED IN ALL GYPSUM BOARD CEILINGS FOR FIRE DAMPER ACCESS.
 - DUCT SMOKE DETECTOR SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
 - FIRE DAMPER DETAIL FOR REFERENCE ONLY.

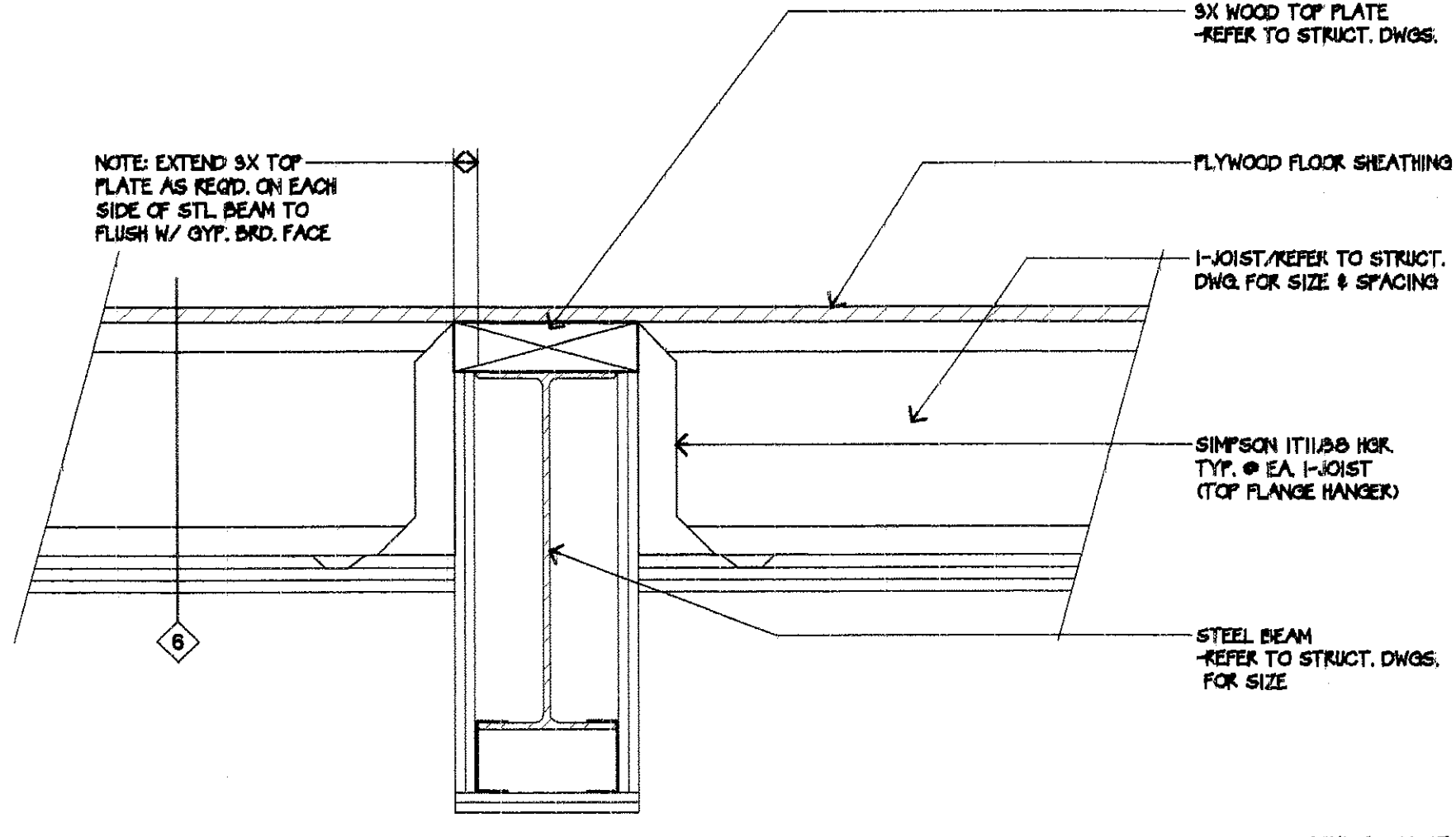


FIRE STOP DETAIL AT BATHTUB

5
FS3
SCALE: NONE

COMBINATION FIRE/SMOKE DAMPER (WALL INSTALLATION)

6
FS3
SCALE: NONE



PROPRIETARY SYSTEM- GA FILE NO. BM. 1137

BASE LAYER 1 1/2" PROPRIETARY TYPE 'X' GYPSUM WALLBOARD APPLIED TO BEAM CAGE W/ 1" TYPE S-12 DRYWALL SCREWS 12" O.C. FACE LAYER 1 1/2" PROPRIETARY TYPE X GYPSUM WALLBOARD APPLIED TO BEAM CAGE W/ 1 5/8" TYPE S-12 DRYWALL SCREWS 12" O.C. JOINTS OFFSET FROM BASE LAYER JOINT

BEAM CAGE FABRICATED FROM # 24 GAGE 7/8" X 1 3/8" STEEL ANGLE SCREW ATTACHED TO STEEL JOISTS @ BEAM TOP FLANGE AND NO. 25 GAGE 2 1/2" STEEL RUNNERS HOOKED OVER BEAM LOWER FLANGE AND SUPPORTING 1 5/8" STEEL STUDS 24" O.C. (ONE HOUR UNRESTRAINED BEAM)

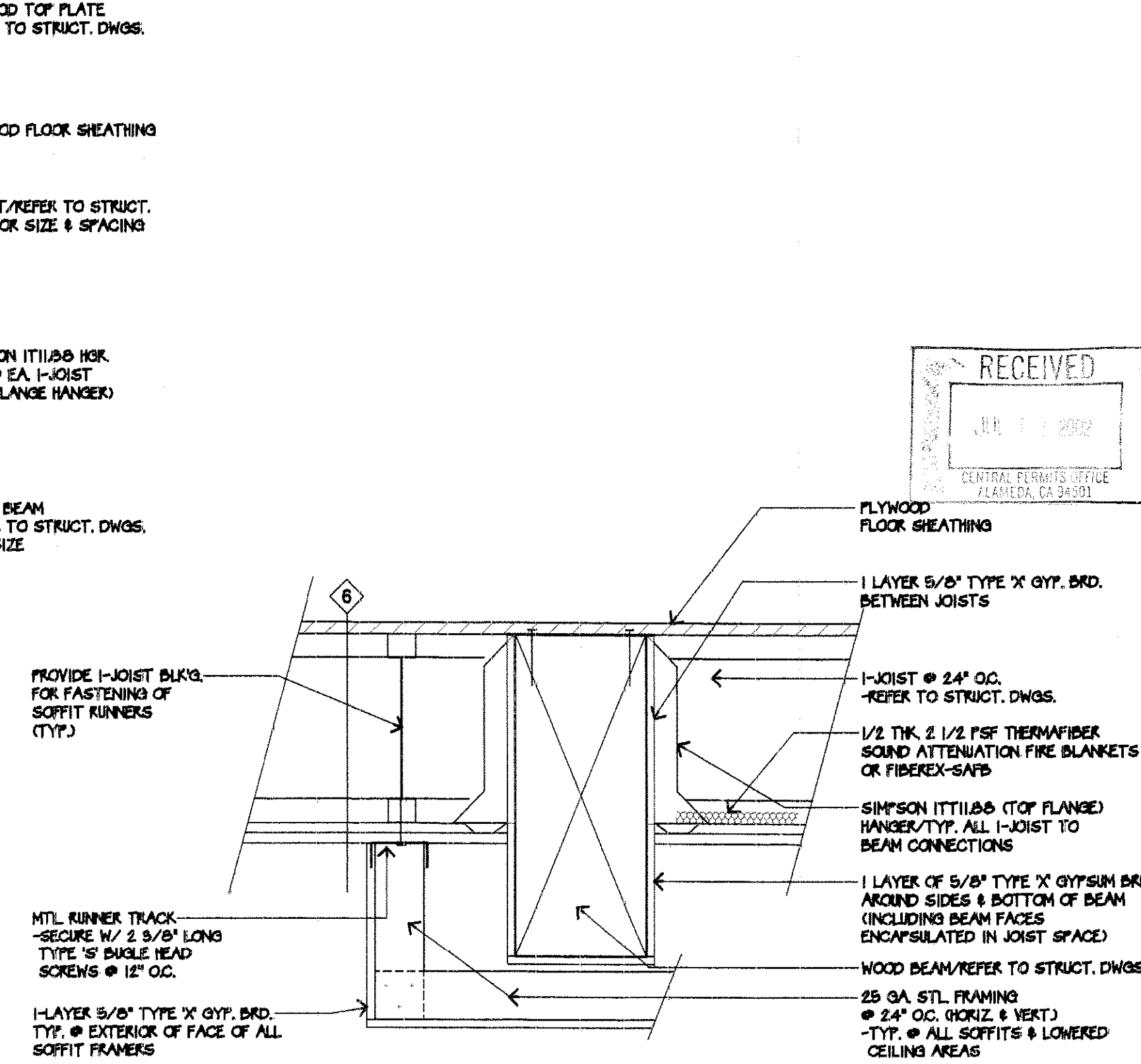
PROPRIETARY GYPSUM BOARD

THE CELOTEX CORPORATION
CENTEX AMERICAN GYPSUM COMPANY
G-P GYPSUM
TEMPLE-INLAND FOREST PRODUCTS CORPORATION
UNITED STATES GYPSUM COMPANY

1/2" FI-ROCK PLUS™
1/2" FIBERLOCK TYPE C
1/2" GYPSUM FIREGUARD® C
1/2" T-C
1/2" SHEETROCK® BRAND GYPSUM
PANELS FIRECODE® C CORE

STEEL BEAM-WRAP DETAIL (1-HR. RATING)

7
FS3
SCALE: 1 1/2" = 1'-0"



WOOD BEAM-WRAP DETAIL

7
FS3
SCALE: 1 1/2" = 1'-0"

© LEE GAGE

LEE GAGE & ASSOCIATES, INC.

IDEAS, DRAWINGS, SPECIFICATIONS, METHODS, AND ARRANGEMENTS ARE THE SOLE & EXCLUSIVE PROPERTY OF LEE GAGE & ASSOCIATES, INC. NO PART OF THIS DOCUMENT SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF LEE GAGE & ASSOCIATES, INC.

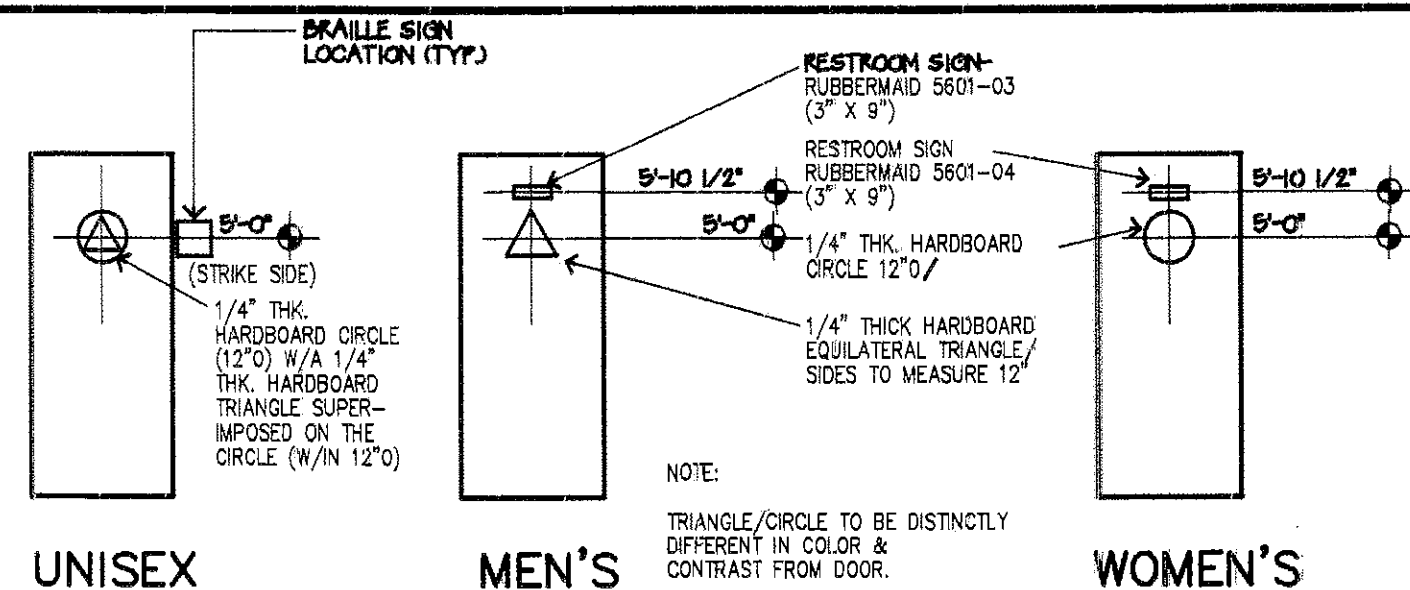
HAWTHORN SUITES LTD.

PROPOSED: 1028 WEBSTER STREET
ALAMEDA, CA
OWNERS: ALAMEDA HOSPITALITY, LLC
1940 FRANCISCAN WAY, SUITE #110
ALAMEDA, CA 94501 PHONE/FAX (510) 814-9881

05/12/02

REGISTERED ARCHITECT
LEE GAGE
No. 5-6716
Exp. 1-31-04
STATE OF CALIFORNIA

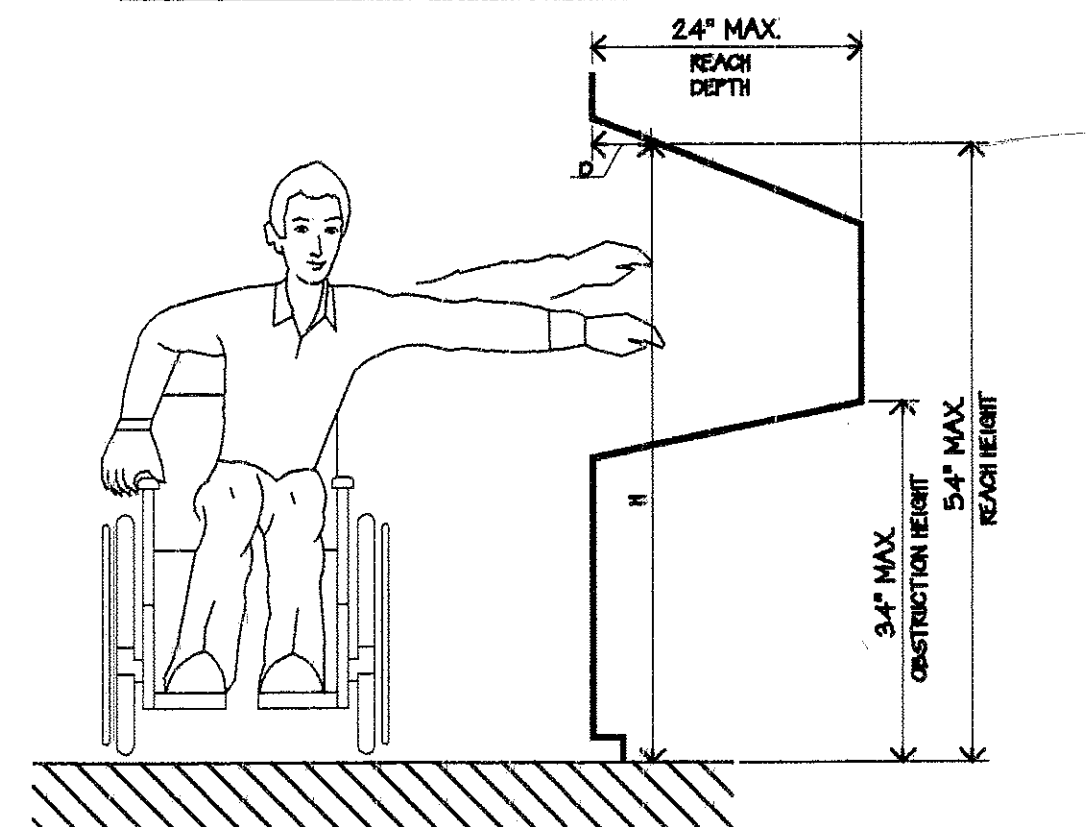
FS3
SHEET
OF



RESTROOM SIGN—RUBBERMAID 5601-03 (3" x 9")
RESTROOM SIGN—RUBBERMAID 5601-04 (3" x 9")
1/4" THK. HARDBOARD CIRCLE (12")
1/4" THK. HARDBOARD TRIANGLE SUPERIMPOSED ON THE CIRCLE (W/N 12")

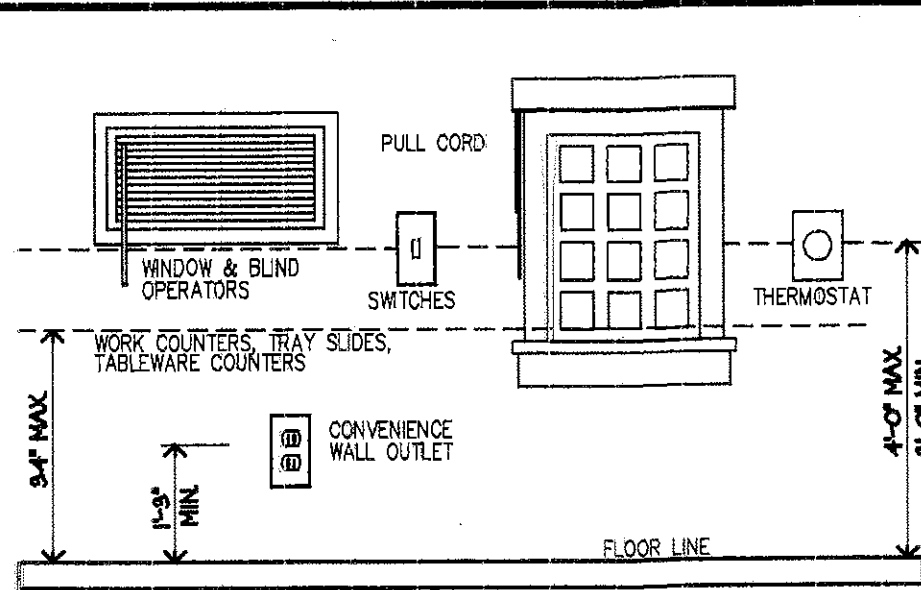
ENTRY DOOR SYMBOLS INDICATING SEX SHALL BE POSTED ON RESTROOM DOORS. SYMBOLS SHALL BE OF CONTRASTING COLORS WITH DOORS & MOUNTED ON THE VERTICAL CENTER LINE AT A HEIGHT OF 60".

PUBLIC RESTROOM DOOR SIGNAGE



ATM REACH LIMITS CORRESPONDING REACH HEIGHTS FOR GIVEN DEPTHS

WHEN D = 10" OR LESS H = 54" MAX.	WHEN D = 16" H = 49.5" MAX.
WHEN D = 11" H = 53" MAX.	WHEN D = 17" H = 48" MAX.
WHEN D = 12" H = 53.5" MAX.	WHEN D = 18" H = 47.5" MAX.
WHEN D = 13" H = 54" MAX.	WHEN D = 19" H = 47" MAX.
WHEN D = 14" H = 54.5" MAX.	WHEN D = 20" H = 46.5" MAX.
WHEN D = 15" H = 55" MAX.	WHEN D = 21" H = 46" MAX.
WHEN D = 16" H = 55.5" MAX.	WHEN D = 22" H = 45.5" MAX.
WHEN D = 17" H = 56" MAX.	WHEN D = 23" H = 45" MAX.
WHEN D = 18" H = 56.5" MAX.	WHEN D = 24" H = 44.5" MAX.
WHEN D = 19" H = 57" MAX.	
WHEN D = 20" H = 57.5" MAX.	
WHEN D = 21" H = 58" MAX.	
WHEN D = 22" H = 58.5" MAX.	
WHEN D = 23" H = 59" MAX.	
WHEN D = 24" H = 59.5" MAX.	



ELECTRIC WALL CONVENIENCE OUTLETS & BASEBOARD ELECTRIC OUTLETS USED IN RELOCATABLE PARTITIONS OR WINDOW WALLS ARE NOT SUBJECT TO THE MINIMUM HEIGHT REQUIREMENTS.

ATM (AUTOMATED TELLER MACHINES)

CONTROLS/

- THE FORCE NEEDED TO INITIATE & OPERATE CONTROLS & DEVICES SHALL NOT REQUIRE MORE THAN A 5-POUND FORCE. SHALL BE WORKABLE WITH ONE HAND & NOT DEMAND A TIGHT GRASP, PINCH, OR TWIST OF THE WRIST
- REACH LIMITS FOR FORWARD REACH SHALL BE NOT LOWER THAN 15 INCHES OR HIGHER THAN 48 INCHES ABOVE THE FLOOR SURFACE
- THE MAXIMUM RANGE FOR A SIDE REACH IS BETWEEN 9 INCHES AND 34 INCHES ABOVE THE FLOOR SURFACE FOR A PARALLEL APPROACH
- THE CLEARANCE AND REACH LIMIT OVER AN OBSTRUCTION SHALL BE AS FOLLOWS:
-MAXIMUM REACH HEIGHT = 54"
-MAXIMUM REACH DEPTH = 24"
- INSTRUCTIONS AND ALL INFORMATION FOR USE SHALL BE MADE ACCESSIBLE TO AND INDEPENDENTLY USABLE BY PERSONS WITH VISION IMPAIRMENTS

- CLEAR SPACE/
① MINIMUM CLEAR FLOOR SPACE IS 30 INCHES BY 48 INCHES (FORWARD OR PARALLEL APPROACH)

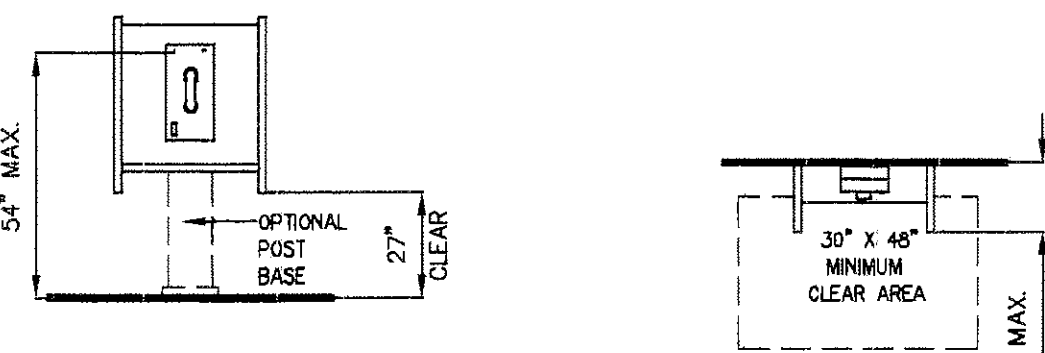
FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS. LEVEL-OPERATED, PUSH TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS.

MOUNT MIRRORS WITH THE BOTTOM EDGE NO MORE THAN 3'-4" FROM THE FLOOR.

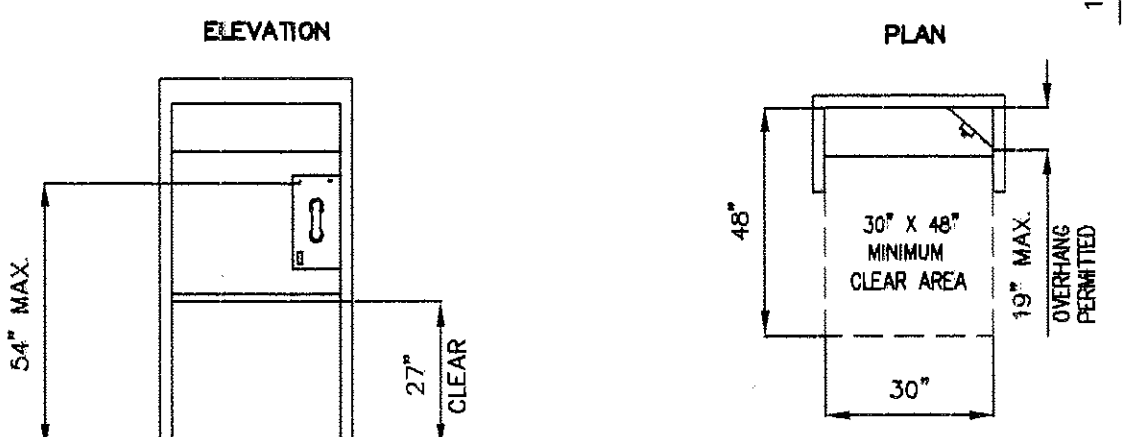
LOCATE TOILET TISSUE DISPENSERS ON THE WALL WITHIN 1'-0" OF THE FRONT EDGE OF THE TOILET SEAT.

TOILET ACCESSORIES

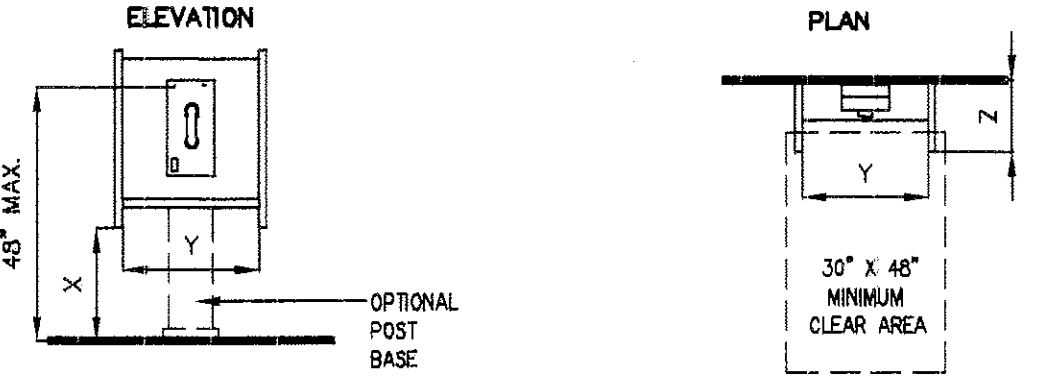
(a) SIDE REACH ARRANGEMENT



(b) FULL HEIGHT ENCLOSURE



(c) FORWARD REACH ARRANGEMENT



MOUNTING HEIGHTS AND CLEARANCES FOR TELEPHONES

CA. UBC SECTION 1117B.2

Ramps

General. Any part of an accessible route with a slope greater than 1:20 shall be considered a ramp and shall comply with this section.

Slope and Rise. The least possible slope shall be used for any ramp. The maximum slope of a ramp in new construction shall be 1:12. The maximum rise for any run shall be 30 in (760 mm) (see fig. 16). Curb ramps and ramps to be constructed on existing sites or in existing buildings or facilities may have slopes and rises as allowed in 4.16.3 (a) if slope limitations prohibit the use of a 1:12 slope or less.

Clear Width. The minimum clear width of a ramp shall be 36 in (915 mm).

Landings. Ramps shall have level landings at bottom and top of each ramp and each ramp run. Landings shall have the following features:

- The landing shall be at least as wide as the ramp leading to it.
- The upper & intermediate landing length shall be a minimum of 60 in (1525 mm) clear.
- If ramps change direction at landings, the minimum landing size shall be 72" x width of ramp.
- The bottom landing shall be a minimum of 72" (1828mm) clear.
- If a doorway is located at a landing, then the area in front of the doorway shall comply with applicable codes.

a) 60" wide x 42" x width of door when door swings onto landing

b) 60" x 60" when door swings away from landing

Handrails. If a ramp run has a rise greater than 6 in (150 mm) or a horizontal projection greater than 72 in (1830 mm), then it shall have handrails on both sides. Handrails are not required on curb ramps or adjacent to seating in assembly areas. Handrails shall comply with applicable codes and shall have the following features:

(1) Handrails shall be provided along both sides of ramp segments. The inside handrail on switchback or dogleg ramps shall always be continuous.

(2) If handrails are not continuous, they shall extend at least 12 in (305 mm) beyond the top and bottom of the ramp segment and shall be parallel with the floor or ground surface (see fig. 17).

(3) The clear space between the handrails and the wall shall be 1 1/2" in (38 mm).

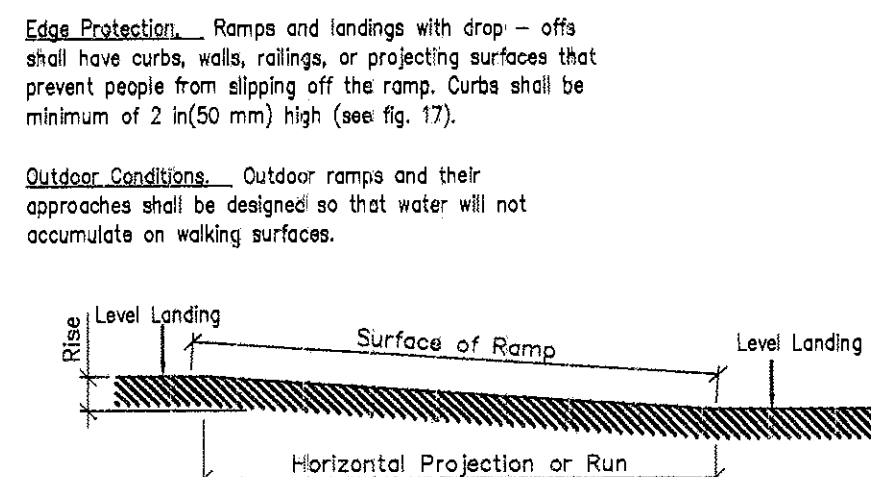
(4) Gripping surfaces shall be continuous.

(5) Top of handrail gripping surfaces shall be mounted between 34 in and 38 in (865 mm and 965 mm) above ramp surfaces.

(6) Ends of handrails shall be either rounded or returned smoothly to floor, wall, or post.

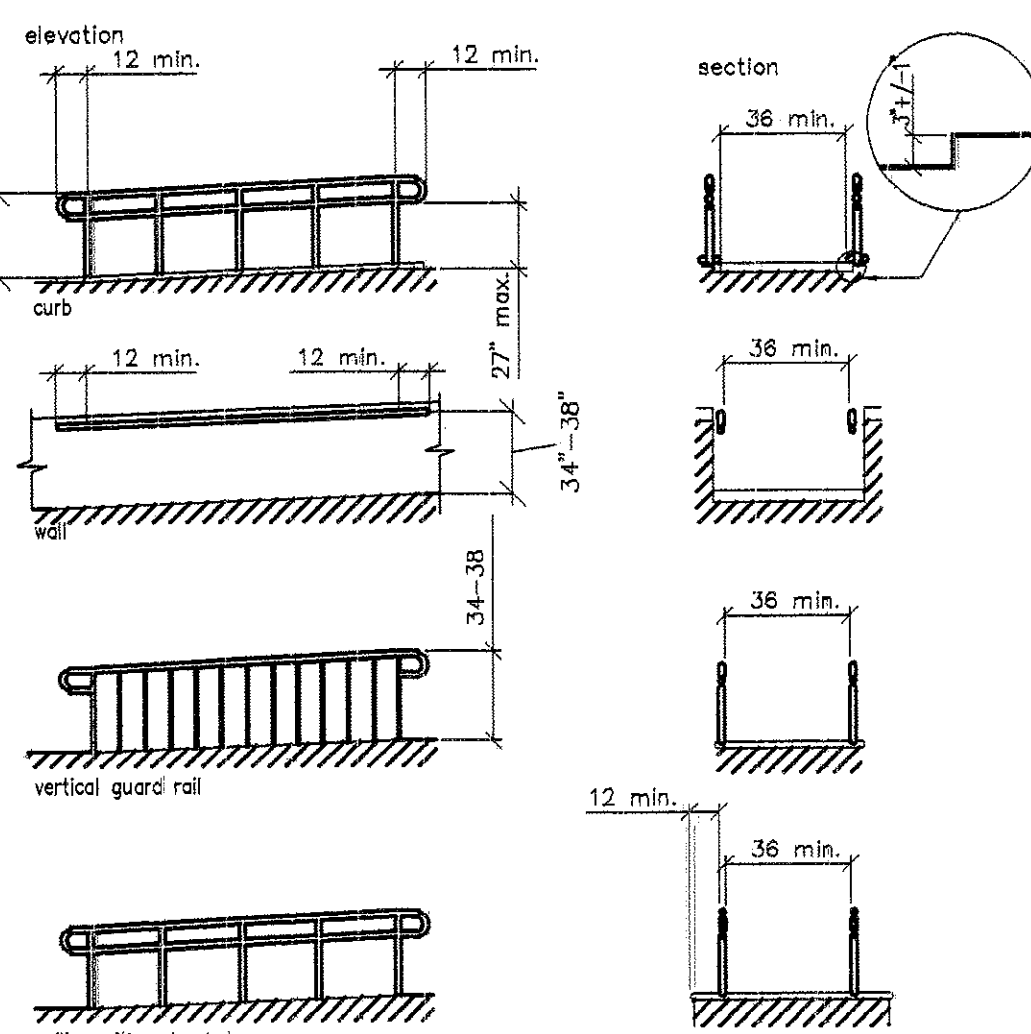
(7) Handrails shall not rotate within their fittings.

Cross Slope and Surfaces. The cross slope of ramp surfaces shall be no greater than 1:50. Ramp surfaces shall comply with applicable codes.



Slope	in	ft
1:12 to 1:18	30	30
1:16 to 1:20	30	40

Fig. 16 Components of a Single Ramp Run and Sample Ramp Dimensions



RAMPS

CA. UBC SECTION 1133B.5

CURB RAMPS

Location. Curb ramps complying with this section shall be provided wherever an accessible route crosses a curb.

Slope. Slopes of curb ramps shall comply with applicable codes. The slope shall be measured as shown in fig. 11. Transitions from ramps to walks, gutters, or streets shall be flush and free of abrupt changes. Maximum slopes of adjoining gutters, road surface immediately adjacent to the curb ramp, or accessible route shall not exceed 1:20, within 4 ft (1219mm) of this top & bottom of the curb ramp.

Width. The minimum width of a curb ramp shall be 48" (1219 mm), exclusive of flared sides.

Surfaces. Surfaces of curb ramps shall comply with applicable codes.

Sides of Curb Ramps. If a curb ramp is located where pedestrians must walk across the ramp, or where it is not protected by handrails or guardrails, it shall have flared sides. The maximum slope of the flare shall be 1:10 (see fig. 12 (c)). Curb ramps with returned curbs may be used where pedestrians would not normally walk across the ramp (see fig. 12 (b)).

Built-up Curb Ramps. Built-up curb shall be located so that they do not project into vehicular traffic lanes (see fig. 13).

Detectable Warnings. A curb ramp shall have a detectable warning complying with applicable codes. The detectable warning shall extend the full width and depth of the curb ramp.

Obstructions. Curb ramps shall be located or protected to prevent their obstruction by parked vehicles.

Location at Marked Crossings. Curb ramps at marked crossings shall be wholly contained within the markings, excluding any flared sides (see fig. 15).

Diagonal Curb Ramps. If diagonal (or corner type) curb ramps have returned curbs or other well-defined edges, such edges shall be parallel to the direction of pedestrian flow. The bottom of diagonal curb ramps shall have 48 in (1220 mm) minimum clear space as shown in fig. 15 (c) and (d). If diagonal curb ramps are provided at marked crossings, the 48 in (1220 mm) clear space shall be within the markings (see fig. 15 (c) and (d)). If diagonal curb ramps have flared sides, they shall also have at least a 24 in (610 mm) long segment of straight curb located on each side of the curb ramp and within the marked crossing (see fig. 15 (c)).

Islands. Any raised islands in crossings shall be cut through level with the street or have curb ramps at both sides and a level area at least 48 in (1220 mm) long between the curb ramps on the port of the island intersected by the crossings (see fig. 15 (c) and (b)).

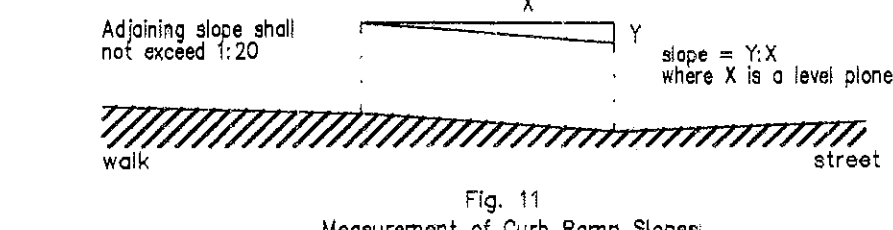


Fig. 11 Measurement of Curb Ramp Slopes

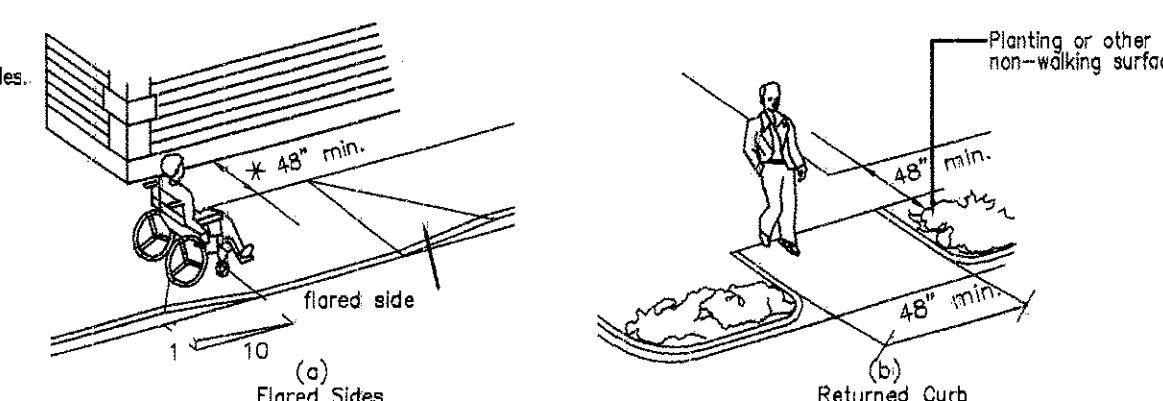


Fig. 12 Sides of Curb Ramps

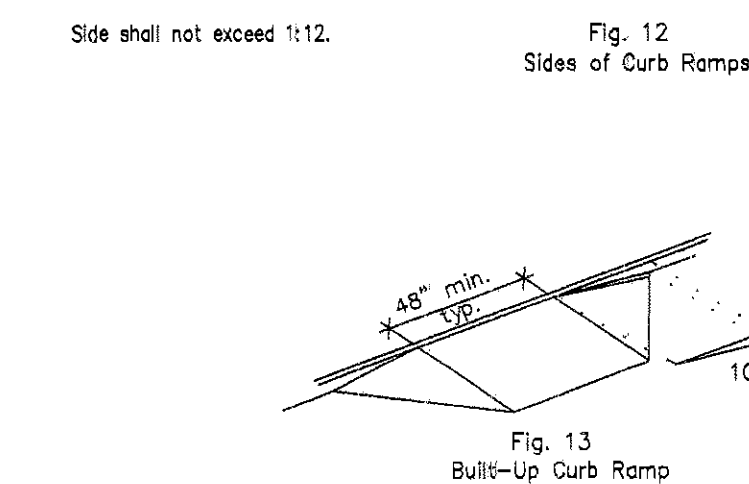


Fig. 13 Built-Up Curb Ramp

CURBING

CA. UBC SECTION 1127B.5

STAIRS

Minimum Number. Stairs required to be accessible shall comply with applicable codes.

Treads and Risers. On any given flight of stairs, all steps shall have uniform riser heights and uniform tread widths. Stair treads shall be no less than 11" (280 mm) wide, measured from riser to riser (see fig. 18(a)). Open risers are not permitted.

Noisings. The undersides of nosings shall not be abrupt. The radius of curvature at the leading edge of the tread shall be no greater than 1/2" (13 mm). Risers shall be sloped or the underside of the nosing shall have an angle not less than 60° from the horizontal. Nosings shall project no more than 1 1/2" (38 mm) (see fig. 18).

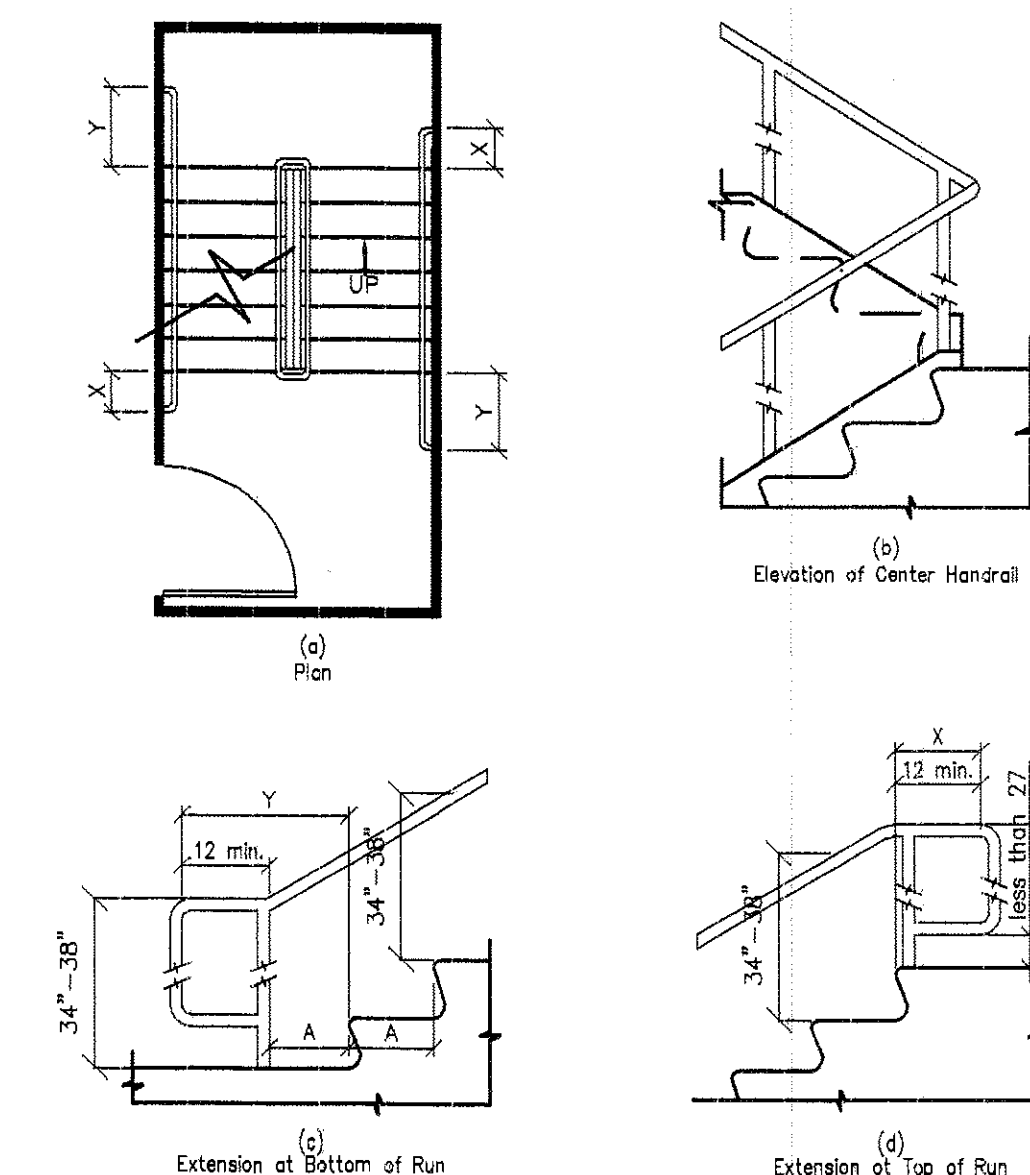
Handrails. Stairways shall have handrails at both sides of all stairs. Handrails shall comply with applicable codes and shall have the following features:

- Handrails shall be continuous along both sides of stairs. The inside handrail on switchback or dogleg stairs shall always be continuous (see fig. 19(a) and (b)).
- If handrails are not continuous, they shall extend at least 12" (305 mm) beyond the top riser and at least 12" (305 mm) plus the width of one tread beyond the bottom riser. At the top, the extension shall be parallel with the floor or ground surface. At the bottom, the handrail shall continue to slope for a distance of the width of one tread from the bottom riser; the remainder of the extension shall be horizontal (see fig. 19(c) and (d)). Handrail extensions shall comply with item 4 below
- The clear space between handrails and wall shall be 1 1/2" (38 mm).
- Gripping surfaces shall be uninterrupted by newel posts, other construction elements, or obstructions.
- Top of handrail gripping surface shall be mounted between 34" and 38" (865 mm and 965 mm) above stair nosings.
- Ends of handrails shall be either rounded or returned smoothly to floor, wall, or post.
- Handrails shall not rotate within their fittings.

Detectable Warnings at Stairs.

- Provide a stripe of contrasting color at the upper approach & lower tread at interior stairways (2-4 in.) Locate stripe 1 in. maximum from nosing of tread.
- Provide a stripe of contrasting color at each tread of exterior stairways (2-4 in.) Locate stripe 1 in. maximum from nosing of tread.

Outdoor Conditions. Outdoor stairs and their approaches shall be designed so that water will not accumulate on walking surfaces.



NOTE: X is the 12 in minimum handrail extension required at each top riser.
Y is the minimum handrail extension of 12 in plus the width of one tread that is required at each bottom riser.

Fig. 19 Stair Handrails

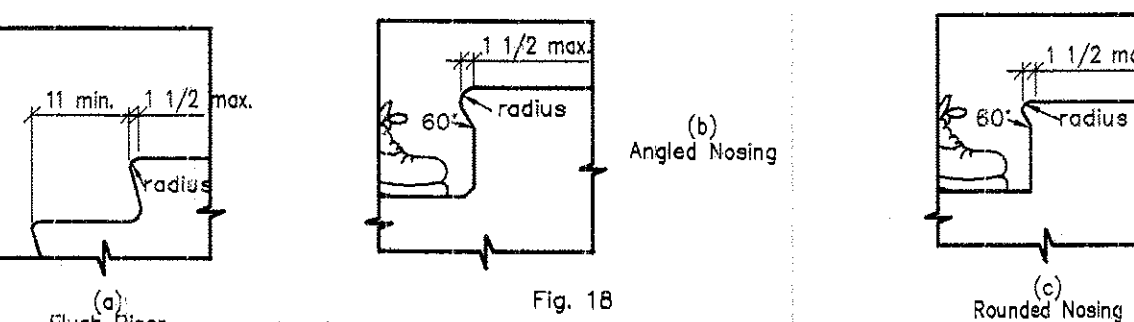


Fig. 18 Usable Tread Width and Examples of Acceptable Nosings

STAIRS

CA. UBC SECTION 1133B.4

SIGNAGE

General. Signage required to be accessible by applicable codes shall comply with the applicable provisions of this section.

Character Proportion. Letters and numbers on signs shall have a width to height ratio between 3:5 and 1:1 and a stroke width to height ratio between 1:5 and 1:10.

Character Height. Characters and numbers on signs shall be sized according to the viewing distance from which they are to be read. The minimum height is measured using an uppercase X. Lower case characters are permitted.

Height above Finished floor Character height

Suspended or projected 3" (75 mm) minimum.

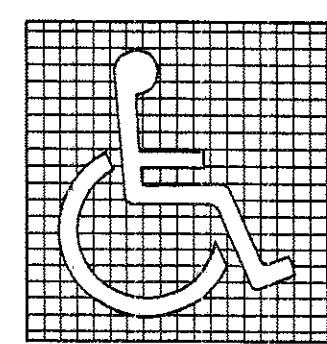
overhead in compliance with appl. codes

Related and Braille Characters and Pictorial Symbol Signs (Pictograms). Letter and numerals shall be raised 1/32", upper case, sans serif or simple serif type and shall be accompanied with Grade 2 Braille. Raised characters shall be at least 5/8" (16 mm) high, but no higher than 2" (50 mm). Pictograms shall be accompanied by the equivalent verbal description placed directly below the pictogram. The border dimension of the pictogram shall be 6" (152 mm) minimum in height.

Finish and Contrast. The characters and background of signs shall be eggshell, matte, or other non-glare finish. Characters and symbols shall contrast with their background - either light characters on a dark background or light characters on a dark background.

Mounting Location and Height. Where permanent identification is provided for rooms and spaces, signs shall be installed on the wall adjacent to the latch side of the door, where there is no wall space to the latch side of the door. Including at double leaf doors, signs shall be placed on the nearest adjacent wall. Mounting height shall be 60" (1525 mm) above the finish floor to the centerline of the sign. Mounting location for such signage shall be so that a person may approach within 37" (940 mm) of signage without encountering protruding objects or standing within the swing of a door.

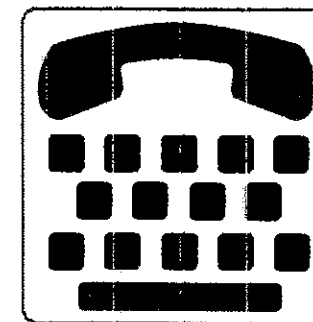
- Facilities and elements required to be identified as accessible by 4.1 shall use the international symbol of accessibility. The symbol shall be displayed as shown in fig. 43(a) and (b).
- Volume control telephones. Telephones required to have a volume control by applicable codes shall be identified by a sign containing a depiction of a telephone handset with radiating sound waves.
- Text Telephones. Text telephones required by applicable codes shall be identified by the international TDD symbol (fig. 43(c)). In addition, if a facility has a public text telephone, directional signage indicating the location of the nearest text telephone shall be placed adjacent to all banks of telephones which do not contain a text telephone. Such directional signage shall include the international TDD symbol. If a facility has no banks of telephones, the directional signage shall be provided at the entrance (e.g. in a building directory).
- Assistive Listening Systems. In assembly areas where permanently installed assistive listening systems are required by applicable codes the availability of such systems shall be identified with signage that includes the international symbol of access for hearing loss (fig. 43(d)).



Proportions International Symbol of Accessibility



Display Conditions International Symbol of Accessibility



International TDD Symbol



International Symbol of Access for Hearing Loss Fig. 43 International Symbols

SIGNAGE

CA. UBC SECTION 1117B.5

THIS SHEET IS SUPPLIED FOR HANDICAP ACCESSIBILITY REQUIREMENTS. REFER TO OTHER SHEETS FOR ACTUAL PLANS & DETAILS.

LEE GAGE & ASSOC., INC.

LEE GAGE & ASSOCIATES, INC.
architecture • engineering • planning
93711 phone (559) 439-2222

7636 n. Ingram suite 107 fresno, california

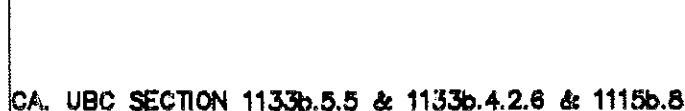
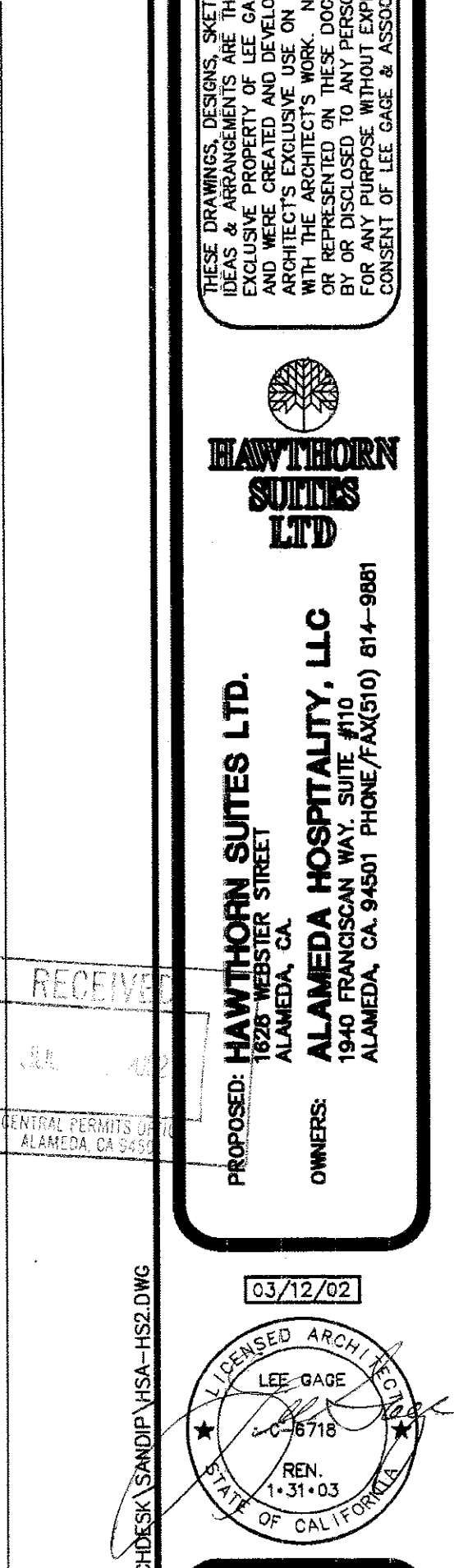
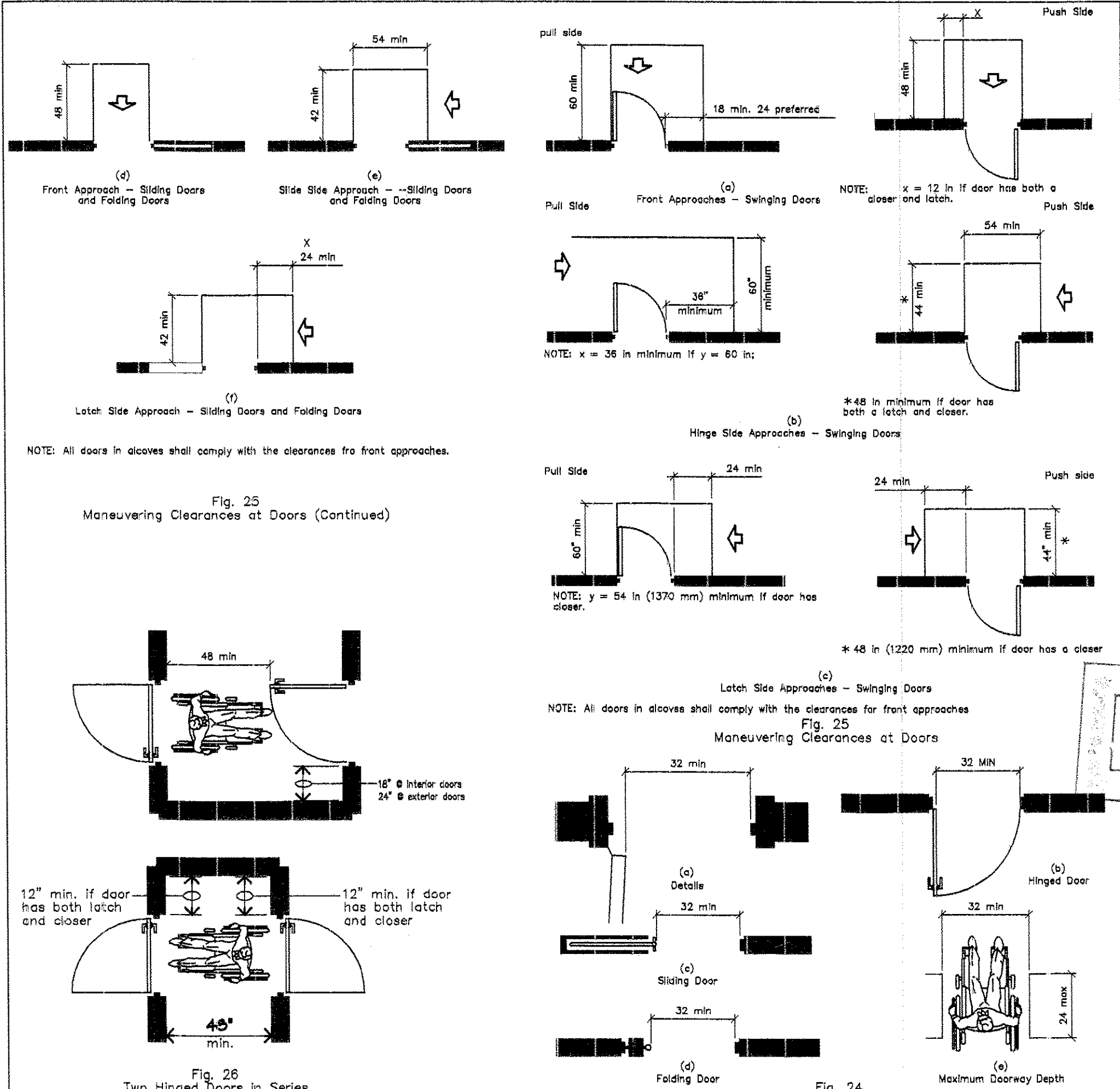
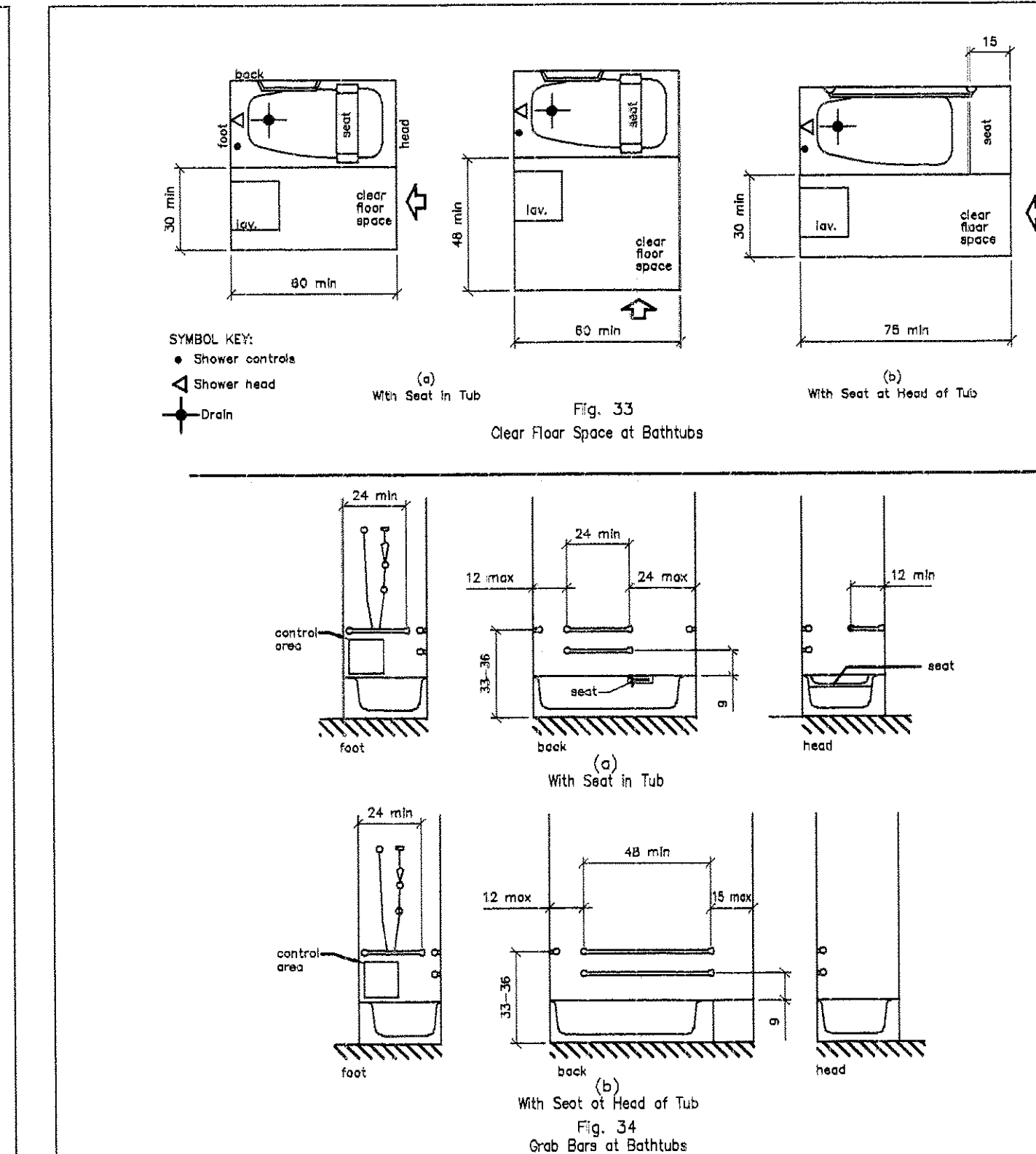
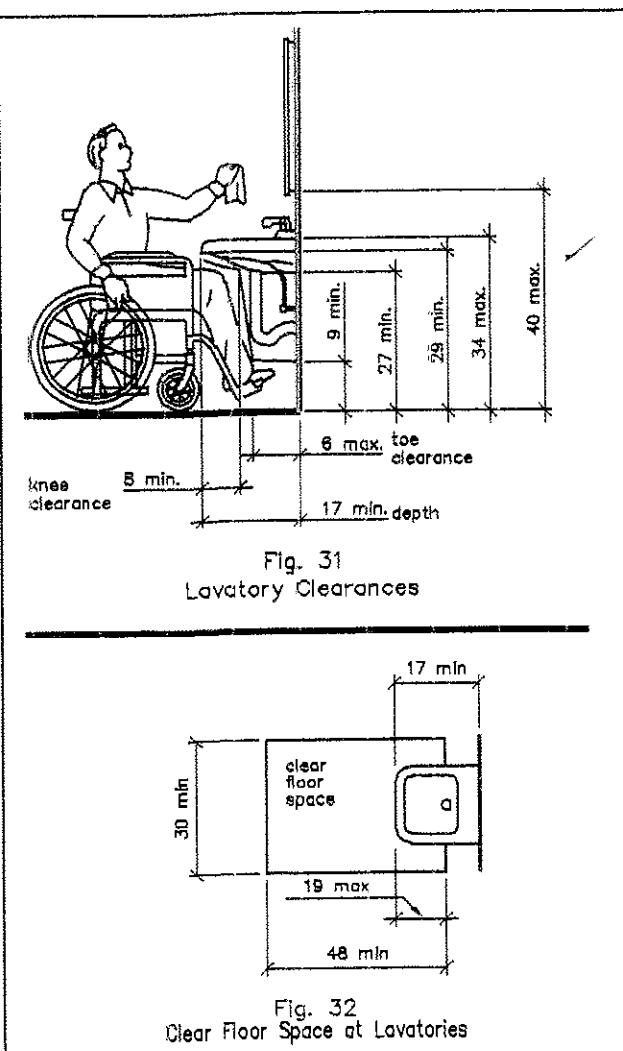
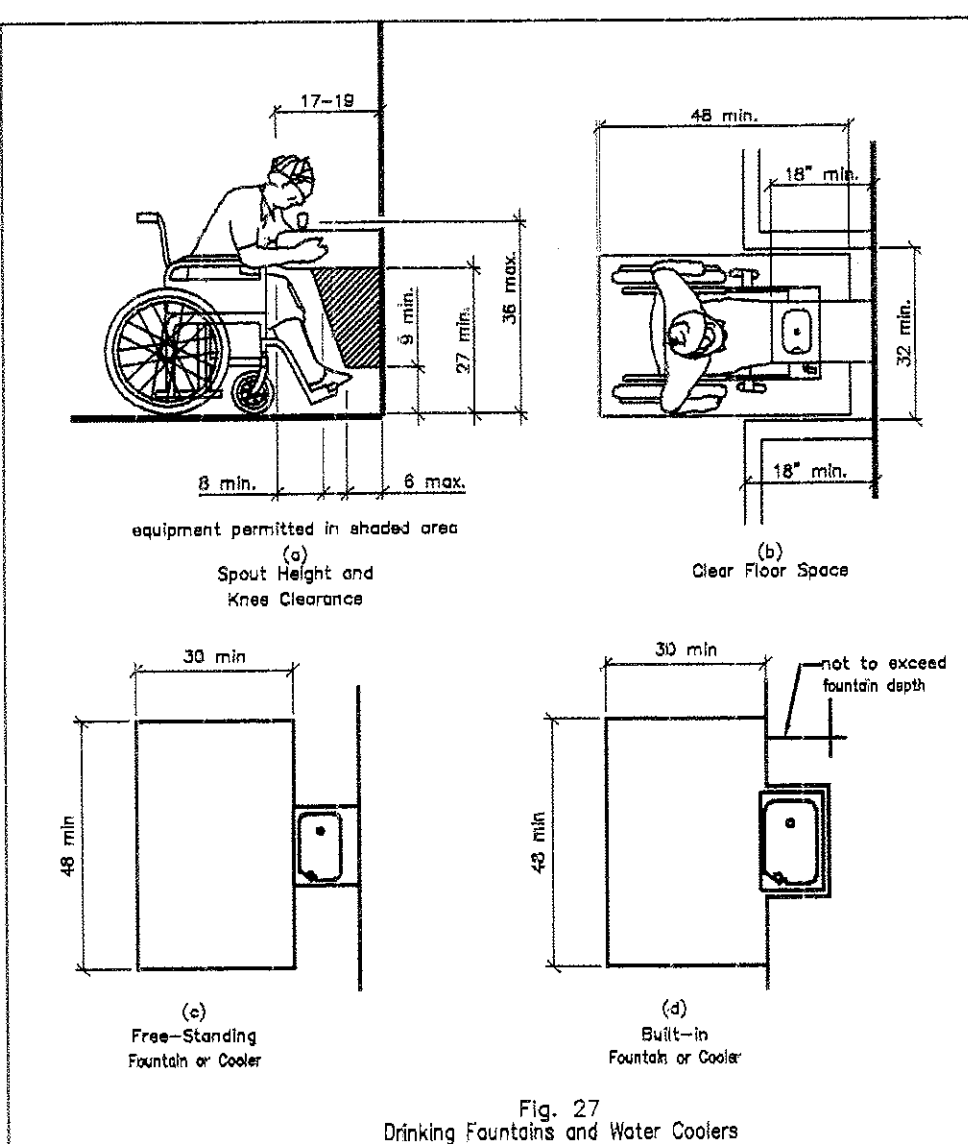
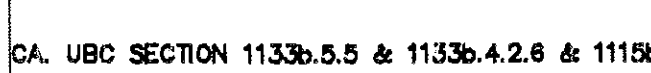
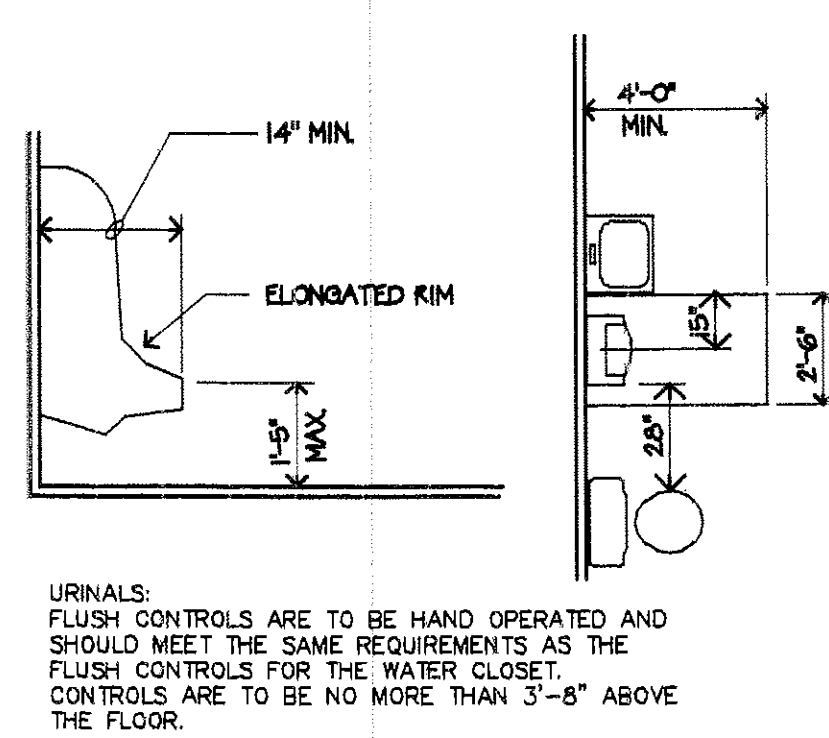
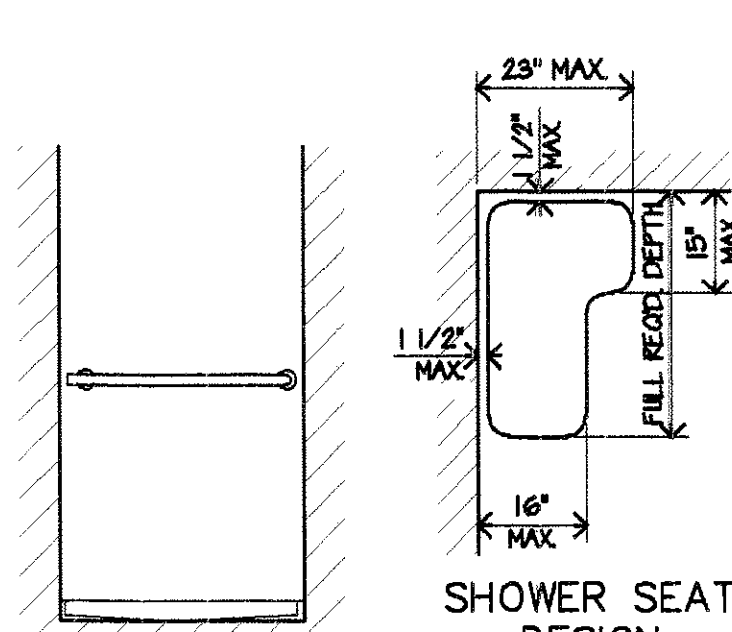
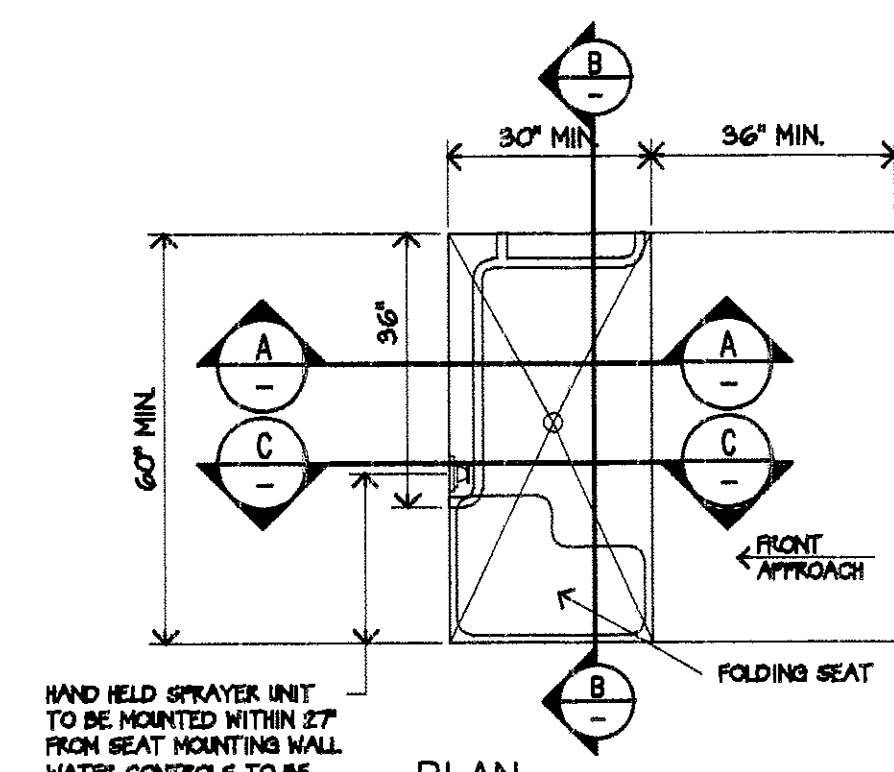
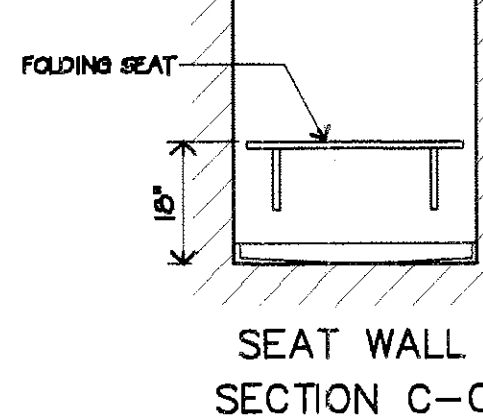
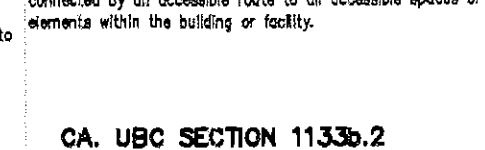
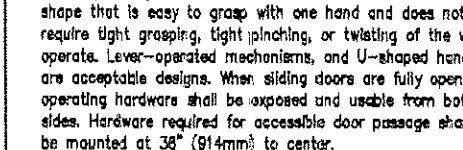
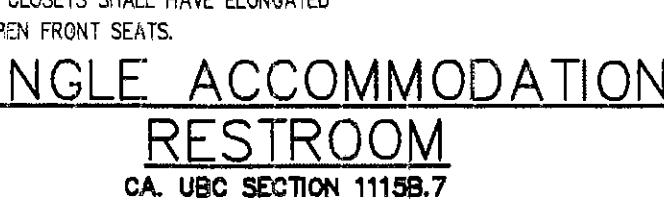
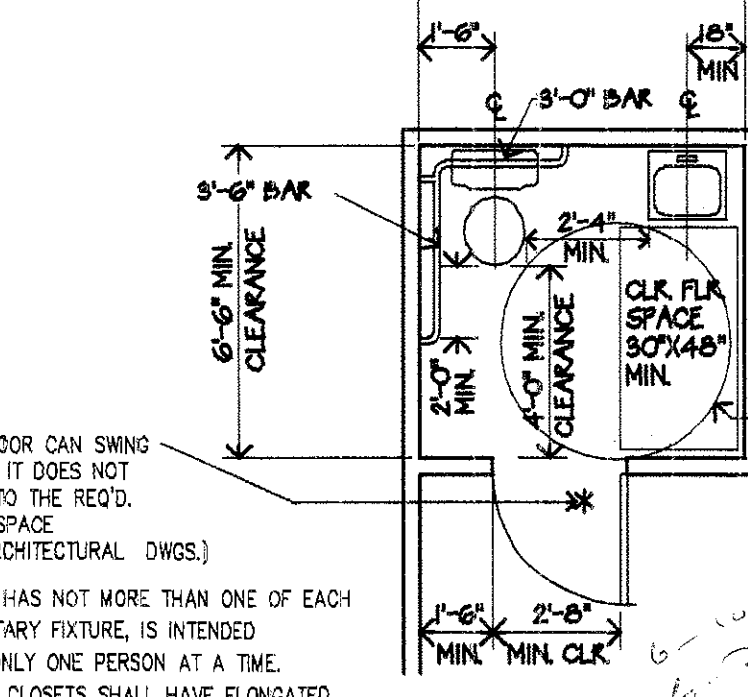
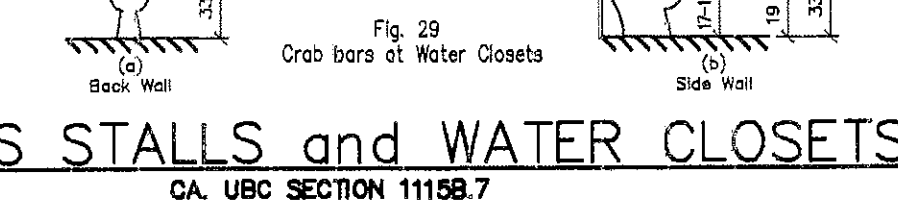
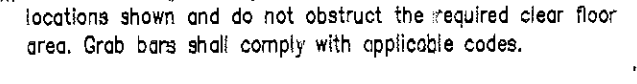
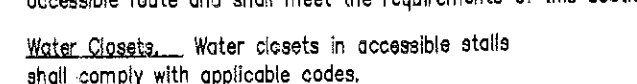
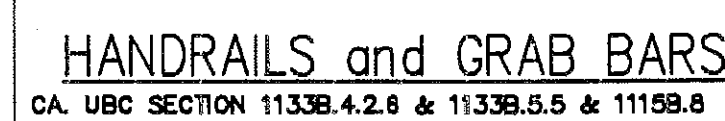
LEE GAGE & ASSOCIATES, INC. IS THE SOLE & EXCLUSIVE PROPERTY OF LEE GAGE & ASSOCIATES, INC. NO PART OF THIS DOCUMENT SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF LEE GAGE & ASSOCIATES, INC.

HAWTHORN SUITES LTD.
1828 WESTER STREET
ALAMEDA, CA 94601
ALAMEDA HOSPITALITY, LLC
1940 FRANCISCAN WAY, SUITE #110
ALAMEDA, CA 94601 PHONE/FAX (510) 814-9981

PROPOSED: 03/12/02
OWNERS: HAWTHORN SUITES LTD.
1828 WESTER STREET
ALAMEDA, CA 94601
ALAMEDA HOSPITALITY, LLC
1940 FRANCISCAN WAY, SUITE #110
ALAMEDA, CA 94601 PHONE/FAX (510) 814-9981

03/12/02
LICENSED ARCHITECT
LEE GAGE & ASSOC., INC.
REN. 1-31-03
STATE OF CALIFORNIA

HS1
SHEET
OF



1. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS PRIOR TO STARTING WORK. THE ARCHITECT OR ENGINEER SHALL BE NOTIFIED IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
2. NOTES AND DETAILS SHOWN ON DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.
3. SEE PLANS FOR INFORMATION NOT GIVEN IN THESE GENERAL NOTES.
4. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND ORDINANCES INCLUDING THE LATEST EDITION OF THE FOLLOWING CODES:
 - A. UNIFORM BUILDING CODE
 - B. TITLE 24 C.A.C.
 - C. UNIFORM PLUMBING CODE
 - D. UNIFORM MECHANICAL CODE
 - E. NATIONAL ELECTRICAL CODE
5. THE ENGINEER HAS NOT DESIGNED THE ERECTION SUPPORTS OR SHORING FOR ANY PORTION OF THIS PROJECT. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR FOR THE SAFETY OF HOW THE WORK IS PERFORMED.
6. MAXIMUM OF 1/2" OFFSET AT ALL THRESHOLDS AND AT ANY CHANGE IN FLOORING MATERIAL. OFFSETS GREATER THAN 1/4" REQUIRE A MAXIMUM 45° BEVEL.
7. ALL EXIT DOORS TO BE OPENABLE FROM THE INSIDE WITHOUT USE OF KEY, SPECIAL EFFORT OR KNOWLEDGE. POST A SIGN WITH 1" HIGH LETTERS STATING "EXIT" TO REMAIN UNLOCKED DURING BUSINESS HOURS*, OVER MAIN EXIT DOORS* (1" HIGH LETTERS ON CONTRASTING BACKGROUND)
8. PROVIDE MINIMUM 4"-0" HIGH MARLITE WAINSCOT AROUND ALL WALLS IN RESTROOMS.
9. RESTROOM FLOORS TO BE MINIMUM 3/32" V.C.T.
10. PROVIDE 4" HIGH COVED RUBBER BASE AROUND ALL FLOOR/WALL INTERSECTIONS IN RESTROOMS.

1. SITE PREPARATION: REMOVE VEGETATION AND DEBRIS FROM SITE, SCRAPE AND RECOMPACT TO 90% OF MAXIMUM DRY DENSITY.
2. FILL SOIL TO BE COMPACTED IN 6" LAYERS TO 90% OF MAXIMUM DRY DENSITY.
3. SAND OR GRAVEL USED FOR FILL UNDER CONCRETE SLABS-90% COMPACTION.
4. ALL LOAD-BEARING FOUNDATIONS SHALL BE PLACED IN UNDISTURBED NATURAL SOIL TO DEPTH REQUIRED BY U.B.C. TABLE 29-A OR ON ENGINEERED COMPACTED FILL IF REQUIRED.
5. AFTER FOUNDATION EXCAVATIONS HAVE BEEN COMPLETED AND PRIOR TO FORMWORK, THE ARCHITECT SHALL BE NOTIFIED OF ANY UNUSUAL SOIL CONDITIONS REQUIRING FOUNDATION WORK OTHER THAN SHOWN.
6. ALL EXCAVATIONS OF FOOTINGS SHALL BE NEAT AND TRIM TO DIMENSIONS AS SHOWN ON DRAWINGS.
7. SEE FOUNDATION PLAN FOR LOCATION OF EXPANSION JOINTS IN FLOOR SLABS.
8. FOOTINGS SHALL BE LOCATED AS PER DRAWINGS AND AS APPROVED BY THE ARCHITECT.
9. FOOTING EXCAVATIONS SHALL BE CLEANED OF ALL LOOSE OR DISTURBED SOILS, DEBRIS, OR OTHER DELETERIOUS MATERIALS JUST PRIOR TO POURING.
10. WATER SHALL NOT BE PERMITTED TO ACCUMULATE IN THE FOOTING EXCAVATIONS. FOOTING EXCAVATIONS SHALL BE DRY AT TIME OF POURING.

1. REINFORCING STEEL SHALL BE INTERMEDIATE GRADE DEFORMED BARS, CONFORMING TO A.S.T.M. DESIGNATION A-615 GRADE 60, (UNLESS OTHERWISE NOTED) WITH FABRICATION DETAILS CONFORMING TO THE A.C.I. MANUAL OF STANDARD PRACTICE.
2. ALL REINFORCING STEEL SHALL BE CONTINUOUS. SPLICED JOINTS SHALL BE STAGGERED WITH BARS LAPPING 40 BAR DIAMETERS. BAR LENGTHS SHALL BE AS LONG AS POSSIBLE. USE STANDARD HOOKS TO END ALL BARS WHERE STANDARD RIGHT ANGLE BENDS ARE NOT POSSIBLE.
3. WIRE REINFORCING SHALL BE "6"x6", 10 GAUGE WELDED FABRIC CONFORMING TO A.S.T.M. STANDARD SPECIFICATION A-185. WIRE SHALL BE ELECTRICALLY WELDED AT INTERSECTIONS.
4. ALL WELDING OF REINFORCING STEEL SHALL BE WITH LOW-HYDROGEN ELECTRODES UNLESS OTHERWISE NOTED.
5. ALL REINFORCING STEEL SHALL BE ACCURATELY LOCATED AND FIRMLY HELD IN PLACE BEFORE AND DURING THE PLACEMENT OF CONCRETE. PROVIDE SPACERS, THE BARS AND SUPPORTS OF AN APPROVED TYPE TO HOLD REINFORCING STEEL ACCURATELY AND RIGIDLY IN PLACE AT ALL TIMES. WIRE REINFORCING STEEL TOGETHER AT ALL INTERSECTIONS.
6. ALL REINFORCING SHALL HAVE A MINIMUM CONCRETE COVER AS FOLLOWS UNLESS OTHERWISE NOTED:
 - SURFACES POURED AGAINST EARTH _____ 3"
 - FORMED SURFACES EXPOSED TO EARTH OR WEATHER _____ 2"
 - BARS LARGER THAN NO. 5 _____ 2"
 - BARS NO. 5 AND SMALLER _____ 1 1/2"
 - SLABS AND WALLS NOT EXPOSED TO GROUND OR WEATHER _____ 3/4"
 - BEAMS AND GIRDERS _____ 1 1/2"
 - JOISTS _____ 3/4"
 - COLUMNS _____ 1 1/2"

1. ALL CONCRETE SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 2500 P.S.I. IN 28 DAYS, MAXIMUM SLUMP TO BE 4", MAXIMUM AGGREGATE SIZE SHALL BE 1 1/2".
2. ALL SURFACES TO RECEIVE CONCRETE SHALL BE WETTED DOWN 24 HOURS IN ADVANCE OF POURING.
3. ALL MOLDS, GROOVES, ANCHOR BOLTS, ETC. SHOWN ON THE DRAWINGS SHALL BE PROVIDED FOR IN THE FORMWORK BEFORE THE CONCRETE IS PLACED. ALL ITEMS NOT SHOWN ON THE DRAWINGS SHALL BE INSTALLED AND SECURED TIGHTLY IN PLACE BEFORE CONCRETE IS PLACED.
4. ALL CONCRETE SURFACES SHALL BE PROTECTED AND CURED IN ACCORDANCE WITH ACCEPTED BUILDING PRACTICES.
5. TRUENESS OF ALL SLABS: ALL SLABS SHALL BE TRUE TO 1/2" IN 50 FEET AND SHALL HAVE NO VISIBLE WALES.

1. MASONRY UNITS SHALL BE GRADE N-1 IN ACCORDANCE W/A.S.T.M. C-90-75 (1981), "SPECIFICATION FOR HOLLOW LOAD-BEARING CONCRETE MASONRY UNITS".
 - AGGREGATES SHALL BE LIGHTWEIGHT CONFORMING TO A.S.T.M. C 331-81, "SPECIFICATION FOR LIGHTWEIGHT AGGREGATES FOR CONCRETE MASONRY UNITS".
2. PORTLAND CEMENT SHALL CONFORM TO A.S.T.M. DESIGNATION C-150.
3. MORTAR SHALL BE FRESHLY PREPARED AND UNIFORMLY MIXED IN THE RATIO BY VOLUMES, 1 PART CEMENT, 1/2 PART LIME PUTTY, 4 1/2" PART SAND, AND SHALL CONFORM TO A.S.T.M. DESIGNATION C-270. IF PLASTIC CEMENT IS USED THE LIME PUTTY SHALL BE ELIMINATED.
4. GROUT SHALL BE OF FLUID CONSISTENCY AND MIXED IN THE RATIO OF VOLUMES, 1 PART CEMENT, 3 PARTS SAND OR 1 PART CEMENT, 3 PARTS SAND AND 2 PARTS 3/8" PEA GRAVEL.
5. CONSTRUCTION SHALL BE OF THE HIGHEST QUALITY WORKMANSHIP AND ALL WALLS SHALL BE LAID TRUE AND PLUMB.
6. REINFORCING SHALL BE A.S.T.M. DESIGNATION A-615 GRADE 40. SHORE HEADER BEAM FOR 14 DAYS MINIMUM AT ARCHES AND BEAMS OVER 16'-0" SPAN SHORE FOR 28 DAYS MINIMUM. POUR ALL HEADER BEAMS IN ONE CONTINUOUS OPERATION.
7. ALL BOLTS AND ANCHORS SHALL BE SET IN GROUT 1" MINIMUM BETWEEN BOLT AND MASONRY ALL AROUND.
8. FOOTING DOWELS SHALL BE PROVIDED AT ALL POINTS WHERE CELLS ARE TO BE REINFORCED AND FILLED.
9. CELLS OF ALL BLOCK BELOW ADJACENT SLAB OR GROUND SHALL BE FILLED SOLID WITH GROUT.
10. WHERE GROUTING IS STOPPED FOR A PERIOD OF ONE HOUR OR LONGER, HORIZONTAL CONSTRUCTION JOINTS SHALL BE FORMED BY STOPPING THE GROUT POUR 1 1/2" BELOW THE TOP OF THE UPPERMOST UNIT.
11. WHERE BLOCK IS LAID TO MAXIMUM OF 4 FEET BEFORE GROUTING NO CLEANOUT SHALL BE REQUIRED. WHERE BLOCK IS LAID TO A HEIGHT GREATER THAN 4 FEET BEFORE GROUTING, CLEANOUTS SHALL BE PROVIDED AT THE BOTTOM OF ALL CELLS CONTAINING REINFORCING STEEL OR WHEN NECESSARY FOR OTHER STRUCTURAL DESIGN REQUIREMENTS. CLEANOUTS SHALL BE A MINIMUM OF 2"x3".
12. WEBS OF EACH COURSE SHALL CENTER ON WEBS BELOW. VERTICAL CELLS SHALL HAVE VERTICAL ALIGNMENT TO MAINTAIN A CLEAN UNOBSTRUCTED VERTICAL FLUE MEASURING 3"x3".
13. SPLICE IN REINFORCING STEEL, UNLESS OTHERWISE SHOWN, SHALL BE AS FOLLOWS:
 - HORIZONTAL BARS OF CORNERS AND ENDS _____ 30 DIA. OR 24" MIN
 - HORIZONTAL BARS AT ALL OTHER LOCATIONS _____ 50 DIA.
 - VERTICAL BARS AT END OF WALLS _____ 50 DIA.
 - INTERMEDIATE VERTICAL WALL BARS _____ 40 DIA.
 - COLUMN BARS _____ 40 DIA.
14. SEE PLANS FOR TYPE/STYLE OF CONCRETE BLOCK.

1. ALL RAFTERS, JOISTS, BEAMS, COLUMNS OR STRUCTURAL MEMBERS SHALL BE NO. 1 GRADE DOUGLAS FIR LUMBER, UNLESS NOTED OTHERWISE.
2. ALL STUDS, PLATES, AND BLOCKING SHALL BE STANDARD OR BETTER, UNLESS OTHERWISE NOTED. (DOUGLAS FIR)
3. PLYWOOD ROOF SHEATHING SHALL BE STANDARD GRADE OR STANDARD WITH EXTERIOR GRADE. PLYWOOD SHEATHING EXPOSED AT OVERHANGS OR OTHERWISE PERMANENTLY EXPOSED TO WEATHER SHALL BE "CC" EXTERIOR S.P.A. GRADE OR BETTER. SEE PLANS FOR PLYWOOD THICKNESS AND SPAN INDEX.

1. ALL MEMBERS SHALL BE FRAMED AS SHOWN WITH CONNECTIONS MADE AS SHOWN.
2. ALL STRUCTURAL STEEL BEAMS, COLUMNS AND ANGLES SHALL BE A.S.T.M. A-36 STEEL.
3. FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE LATEST RECOMMENDATIONS OF THE A.I.S.C. AND A.W.S. ALL WELDING SHALL BE DONE BY THE SEI FIELDER ARCHITECTS WITH A.W.S. CERTIFICATION EBOX WELDING RODS AND PERFORMED BY WELDERS CURRENTLY CERTIFIED BY A.W.S. FOR THE TYPE OF MATERIALS AND WELDS CALLED FOR. INSPECTION SHALL BE AS PER UNIFORM BUILDING CODE.
4. ALL WELDING SHALL BE INSPECTED BY AN APPROVED TESTING AGENCY IN ACCORDANCE WITH THE UBC, SECTION 1701.5. SUBMIT REPORTS TO THE DEVELOPMENT, BUILDING AND SAFETY DIVISION.
5. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
6. ALL BOLTS SHALL BE A.S.T.M. A-307 STEEL USE AISC USUAL GAGES FOR BOLT HOLES IN ALL STEEL SECTIONS UNLESS OTHERWISE NOTED.
7. ALL HIGH STRENGTH BOLTING SHALL BE INSPECTED BY AN APPROVED TESTING AGENCY IN ACCORDANCE WITH THE UBC, SECTION 306(g)(4). SUBMIT REPORTS TO THE DEVELOPMENT DEPARTMENT, BUILDING AND SAFETY DIVISION.

1. THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT OR ENGINEER AT LEAST 24 HOURS PRIOR TO EACH OF THE FOLLOWING TIMES SO THAT THE ARCHITECT/ENGINEER MAY MAKE THE APPROPRIATE INSPECTION:

- PRIOR TO POURING ANY CONCRETE OR GROUT, FOR REINFORCING OR FORMS
- PRIOR TO CLOSING ANY STRUCTURAL FRAMING
- PRIOR TO COVERING ANY AREAS WITH REQUIRED NAILING SHOWN SUCH AS PLAYWOOD ROOF, FLOOR AND WALL SHEATHING.

1. ALL LUMBER SHALL BE FRAMED AS SHOWN WITH CONNECTIONS MADE AS SHOWN ON THE DRAWINGS.
2. ALL BEARING WALLS SHALL HAVE DOUBLE TOP PLATES LAPPED FOUR FEET MINIMUM AT JOINTS. PROVIDE TWO BOTTOM PLATES AT FLOORS WITH LIGHTWEIGHT CONCRETE FLOOR FINISH. PROVIDE ONE BOTTOM PLATE AT ALL OTHER LOCATIONS.
3. PROVIDE FULL BEARING UNDER JOISTS AT SUPPORTS. LAP JOISTS MINIMUM 12" AT SUPPORTS.
4. DOUBLE TRIMMER AND HEADER JOIST AT ALL OPENINGS. USE SHEET METAL JOIST HANGERS WHERE JOISTS FRAME INTO HEADERS.
5. PROVIDE SHEET METAL STRAPS AT ALL CORNERS AND POINTS WHERE TOP PLATE IS CUT, AS CALLED FOR ON THE DRAWINGS.
6. PROVIDE SOLID BLOCKING BETWEEN RAFTERS MORE THAN 8" DEEP AT 10'-0" O.C. MAXIMUM AND FOR JOISTS MORE THAN 4" DEEP AT 8'-0" O.C. OR USE APPROVED METAL CROSS BRIDGING AT SAME SPACING.
7. PLACE 2" SOLID BLOCKING BETWEEN JOISTS OR RAFTERS OVER ALL SUPPORTS, EXCEPT THOSE RESTING ON A LET-IN RIBBON.
8. WOOD SCREWS AND LAG BOLTS SHALL BE TURNED, NOT DRIVEN, INTO PLACE. FOR SCREW THREADS INTO WOOD, FIRST BORE A HOLE THE SAME DIAMETER AND DEPTH AS SHANK; SECOND DRILL HOLE FOR THREADED PORTION THE SAME DIAMETER AS ROOT OF THREAD.
9. BOLT HOLES IN WOOD SHALL BE BORED 1/16" LARGER THAN NET SIZE OF BOLT. BOLT HOLES IN STEEL SHALL BE 1/16" LARGER THAN NET SIZE OF BOLT. PROVIDE STANDARD MALLEABLE IRON WASHERS UNDER HEAD AND NUTS WHEN BEARING AGAINST WOOD. ALL NUTS SHALL BE RETIGHTENED AT COMPLETION OF JOB OR JUST PRIOR TO CLOSING IN WITH FINISH CONSTRUCTION.
10. ALL BOLTS IN WOOD SHALL BE SPACED 4 DIAMETERS MINIMUM EDGE DISTANCE AND 7 DIAMETERS MINIMUM END DISTANCE, UNLESS OTHERWISE NOTED.
11. ALL FRAMING CUPS, JOIST HANGERS AND STRAPS AS CALLED FOR ON PLANS TO BE "SIMPSON STRONG-TIE" OR EQUAL.

ALL FLOOR PLYWOOD SHALL BE GLUED TO THE JOISTS. THE FIELD GLOUED FLOOR SYSTEM SHALL BE INSTALLED ACCORDING TO THE RECOMMENDATIONS OF THE AMERICAN PLYWOOD ASSOCIATION . GLUE SHALL BE APPLIED TO THE JOISTS AND TO THE GROOVE IN THE EDGE OF THE T&G PANELS. GLUE SHALL BE APPLIED AS DIRECTED BY THE GLUE MANUFACTURER. GLUE MAY BE APPLIED MANUALLY OR WITH PNEUMATIC OR ELECTRIC EQUIPMENT

PLYWOOD ROOF AND FLOOR SHEATHING SHALL BE LAID WITH THE GRAIN OF THE OUTER PILES PERPENDICULAR TO THE FRAMING MEMBERS AND END JOINTS SHALL BE STAGGERED. WALL SHEATHING SHALL BE APPLIED VERTICALLY. PROVIDE 1/8" SPACING AT ALL EDGE AND END JOINTS

NAILING NOT HEREIN NOTED AND NOT CALLED FOR ON THE DRAWINGS SHALL BE CONSISTENT WITH LIKE OR SIMILAR CONDITIONS.

A MINIMUM OF 2 NAILS SHALL BE PROVIDED AT EACH POINT OF CONTACT OR BEARING USING 8d NAILS FOR 1x MATERIAL AND 16d NAILS FOR 2x MATERIAL. ALL NAILS SHALL BE COMMON WIRE NAILS UNLESS OTHERWISE NOTED.

JOIST TO SILL OR GIRDER; TOE NAIL	3-8
BRIDGING TO JOIST; TOE NAIL EACH END	2-8
1"x8" SUBFLOOR OR LESS TO EACH JOIST; FACE NAIL	2-8
WIDER THAN 1"x8" SUBFLOOR OR LESS TO EACH JOIST; FACE NAIL	2-8
1"x8" SUBFLOOR TO JOIST OR GIRDER; BLIND & FACE NAIL	2-15
SOLE PLATE TO JOIST OR BLOCKING; FACE NAIL	16-d @ 16" 0
TOE PLATE TO STUD; END NAIL	2-16
STUD TO SOLID PLATE; TOE NAIL	4-8
DOUBLED STUDS; FACE NAIL	16-d @ 24" 0
DOUBLED TOP PLATES; FACE NAIL	16-d @ 16" 0
TOP PLATES, LAPs & INTERSECTIONS; FACE NAIL	2-15
TOP PLATE SPLICES MIN. 4'-0" LAP	2-8
CONTINUOUS HEADERS	16-d @ 16" O.C. ALONG EA.
CEILING JOISTS TO PLATE; TOE NAIL	3-8
CONTINUOUS HEADER TO STUD; TOE NAIL	4-8
CEILING JOISTS TO PLATE; OVER PARTITIONS; FACE NAIL	3-15
CEILING JOISTS TO PARALLEL RAFTERS; FACE NAIL	3-15
RAFTER TO JOIST; TOE NAIL	3-8
1" BRACE TO EACH STUD & PLATE; FACE NAIL	2-16
2" BRACE TO EACH STUD & PLATE; FACE NAIL	2-16
1"x8" SHEATHING OR LESS TO EA. BEARING; FACE NAIL	2-8
WIDER THAN 1"x8" SHEATHING TO EA. BEARING; FACE NAIL	2-15
BUILT UP CORNER STUDS AND ANGLES	16-d @ 24" 0

PARTICLE BOARD ⑤ :
WALL SHEATHING (TO FRAMING)

3/8" - 1/2"	6d ②
5/8" - 3/4"	8d ③

PLYWOOD (4) :

SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING)

1/2" AND LESS _____ 6d (4) OR 6d

5/8" - 3/4" _____ 6d (4) OR 6d

7/8" - 1" _____ 6d (4) OR 6d

1 1/8" - 1 1/4" _____ 10d (4) OR 8d

COMBINATION SUBFLOOR-UNDERLAYMENT (TO FRAMING)
3/4" AND LESS _____ 6d (4)

1 1/8" - 1 1/4" ————— 10d (3) OR 8d (4)

PANEL SIDING (TO FRAMING) _____ 6d (C)

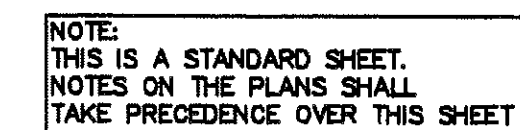
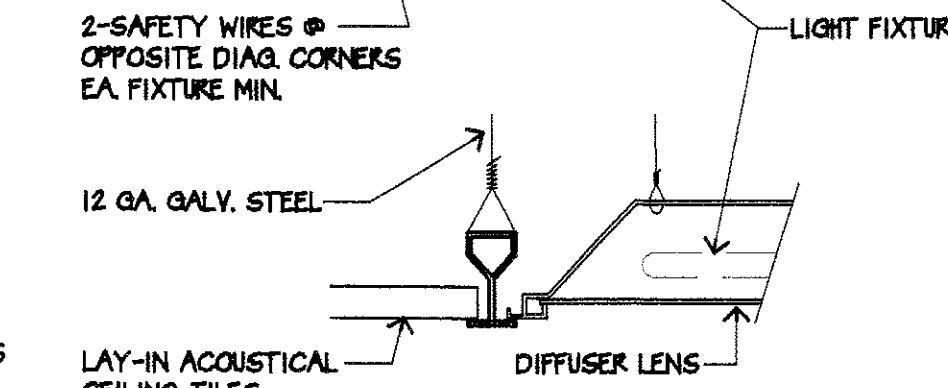
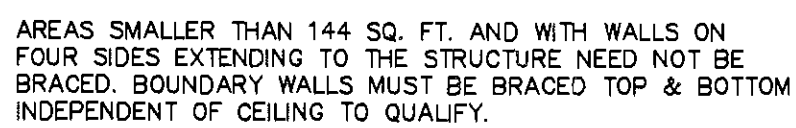
FIREBOARD SHEATHING ⑦ :

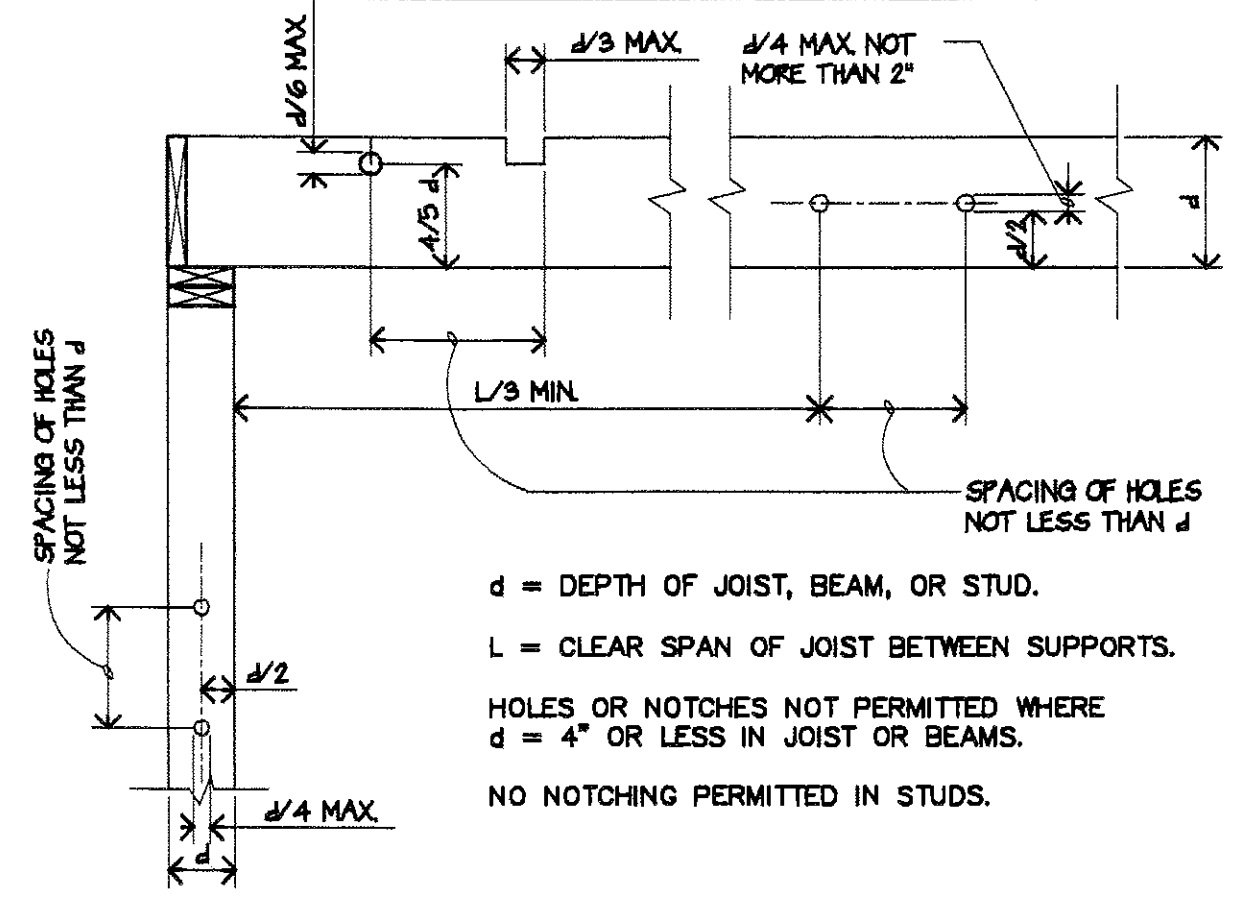
25/32" ————— 8d (3) OR NO. 11GA. (8) OR NO. 16GA. (5)

GYPSUM BOARD

1/2"	5d (1)
5/8"	6d (1)

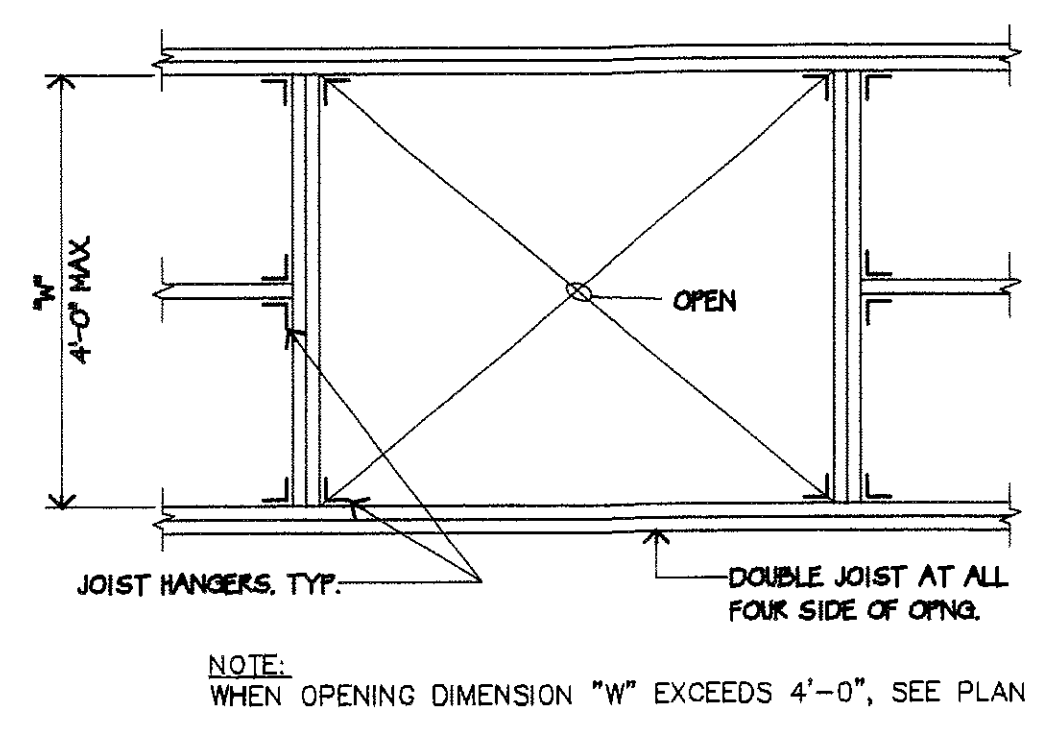
① COOLER NAILS 7" O.C.
② DEFORMED SHANK NAILS
③ COMMON OR DEFORMED SHANK
④ NAILS SPACED 6" O.C. AT EDGES, 12" O.C. AT INTERMEDIATE SUPPORTS
⑤ 10" O.C. AT INTERMEDIATE SUPPORTS FOR FLOOR EXCEPT 6" O.C. AT ALL SUPPORTS WHERE SPANS ARE 48" OR MORE FOR NAIL ON PLYWOOD DIAPHRAGMS AND SHEATHING NAILS, REFERENCE TO 2515 NAIL
⑥ CORROSION RESISTANT SINKING AND CASING NAILS
⑦ FASTENERS SPACED 3" O.C. AT EXTERIOR EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS
⑧ GALVANIZED ROOFING NAILS WITH 7/16" HEAD AND 1 1/2" LENGTH
⑨ SHEATHING AND END LENGTH FOR 25/32" SHEATHING
⑩ GALVANIZED 1" x 12" WITH CROWN NAIL LENGTH FOR 1/2" SHEATHING, 1 1/2" LENGTH FOR 25/32" SHEATHING.





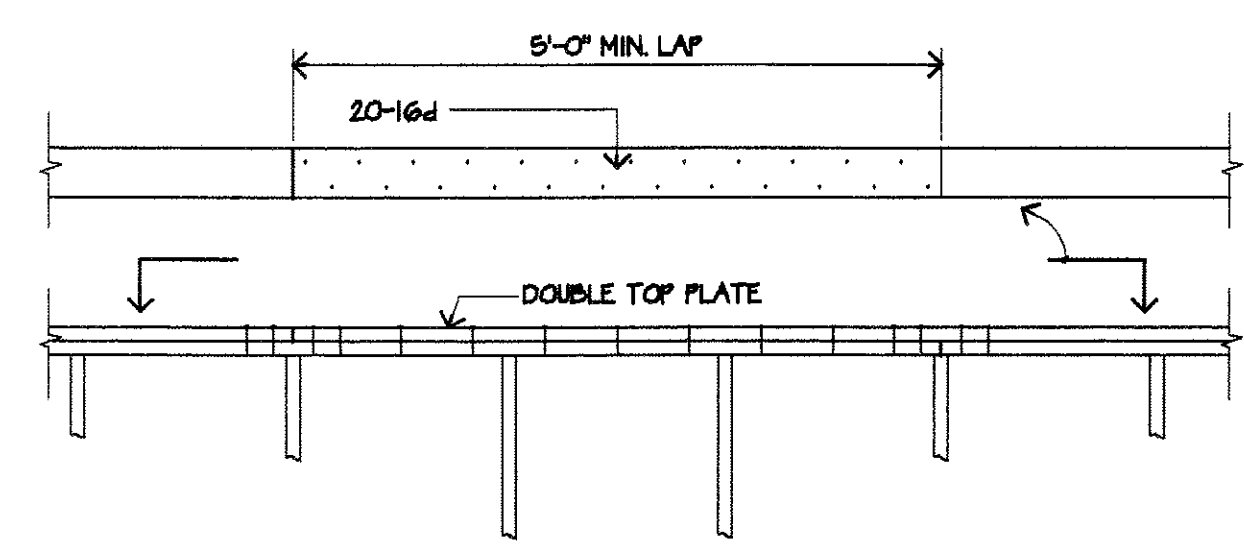
TYPICAL HOLES OR NOTCHES IN JOISTS AND STUDS

1 DETAIL
S1B NO SCALE



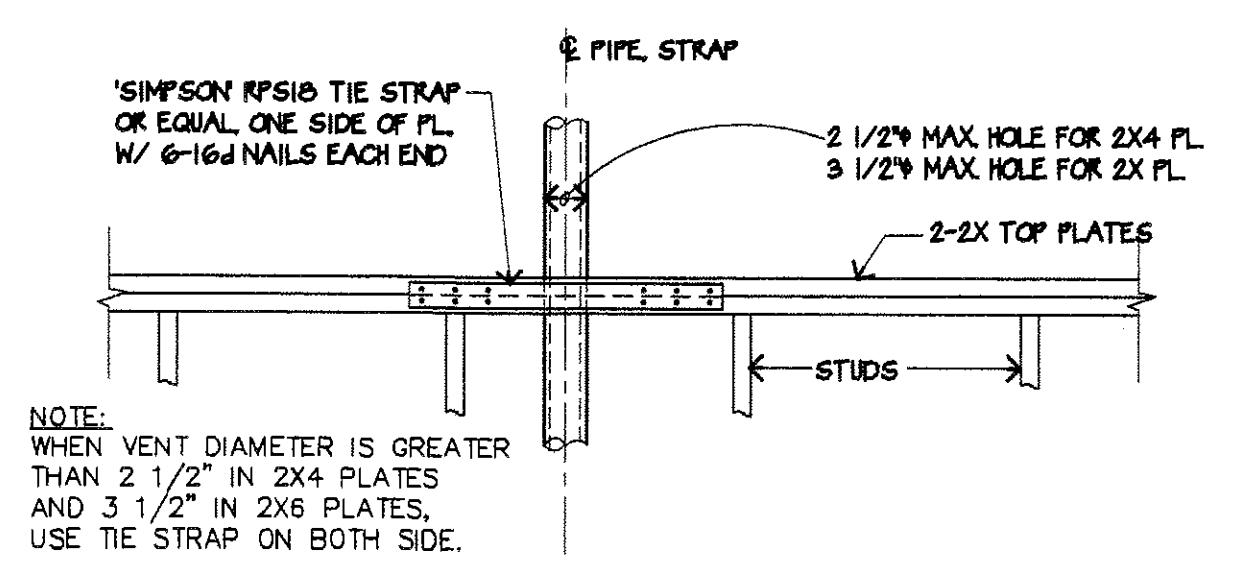
FRAMING PLAN AROUND AT ROOF OR FLOOR

2 DETAIL
S1B NO SCALE



TYPICAL WALL TOP PLATE LAP

3 DETAIL
S1B NO SCALE



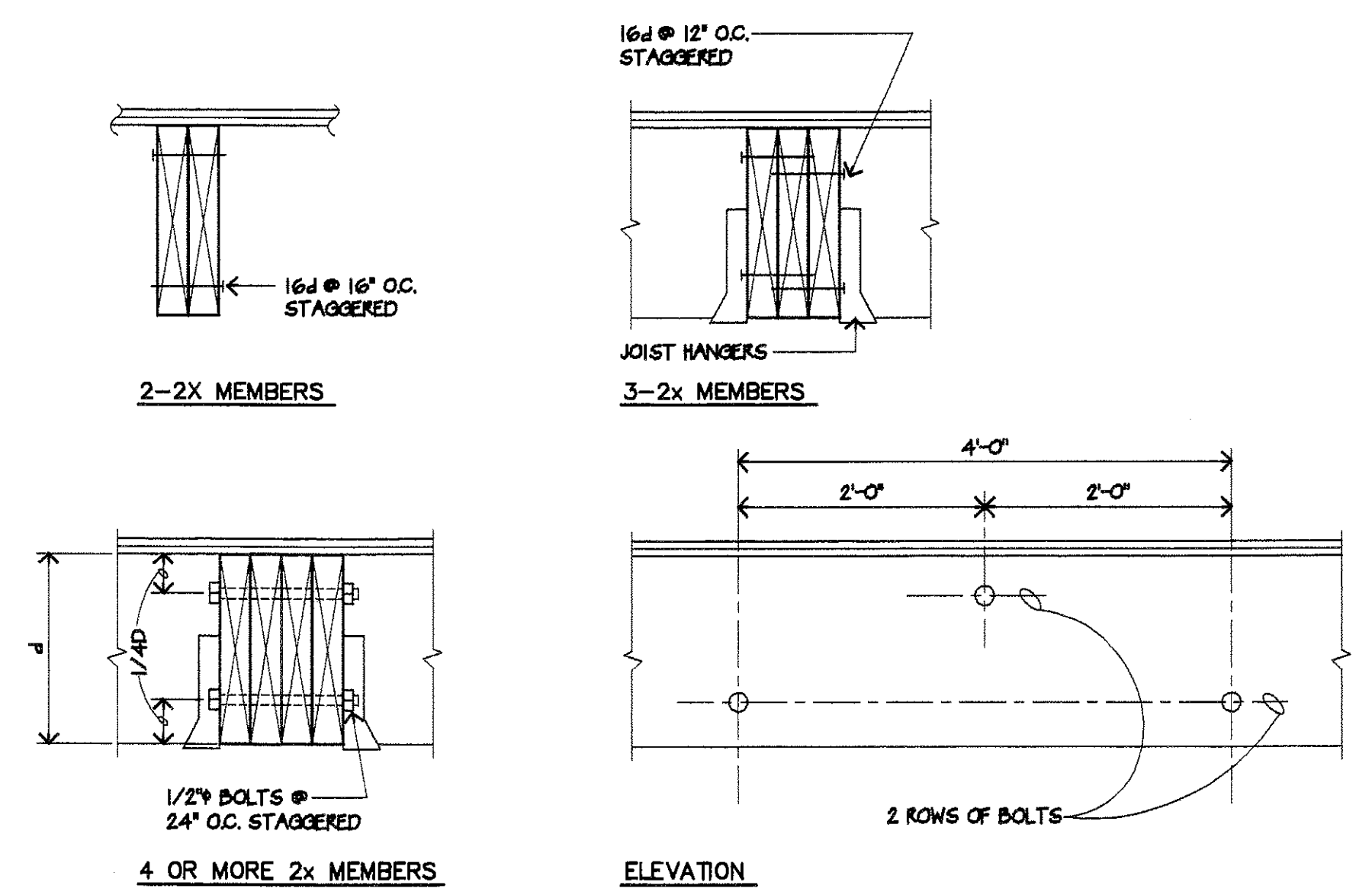
TYPICAL PLATE SPLICE (WHEN VENT IS > 1/3 THE STUD WIDTH)

4 DETAIL
S1B NO SCALE

NOTE: PROVIDE HANGERS AS REQUIRED PER SCHEDULE UNLESS NOTED OTHERWISE ON PLANS DETAILS.

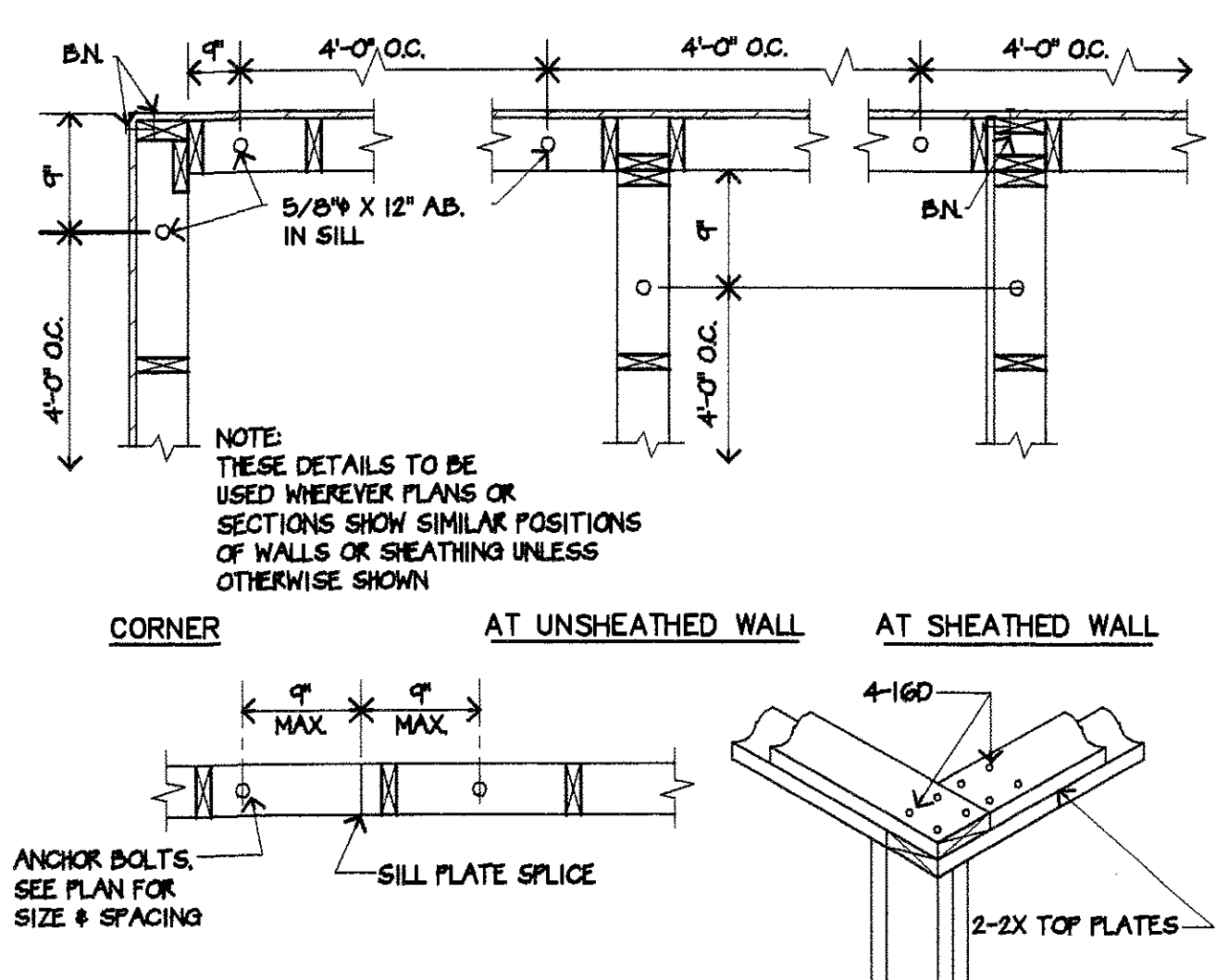
HANGER SCHEDULE		
BEAM OR JOIST	CONNECTED TO:	HANGER
2X10	WOOD BEAM	SIMPSON LUS28
	STEEL BEAM	SIMPSON JES210
2-2X10	WOOD BEAM	SIMPSON LUS28-2
	STEEL BEAM	SIMPSON HUS210-2TF
4X10	WOOD BEAM	SIMPSON HUS410
	STEEL BEAM	SIMPSON HUS410-TF
4X12	WOOD BEAM	SIMPSON B412
6X10	WOOD BEAM	SIMPSON WNP610
	STEEL BEAM	SIMPSON B610
2X8	WOOD BEAM	SIMPSON LUS28
2-2X8	WOOD BEAM	SIMPSON LUS28-2
2 11/16" PSL	WOOD BEAM	SIMPSON HGU2.75/10

5 SCHEDULE
S1B NO SCALE



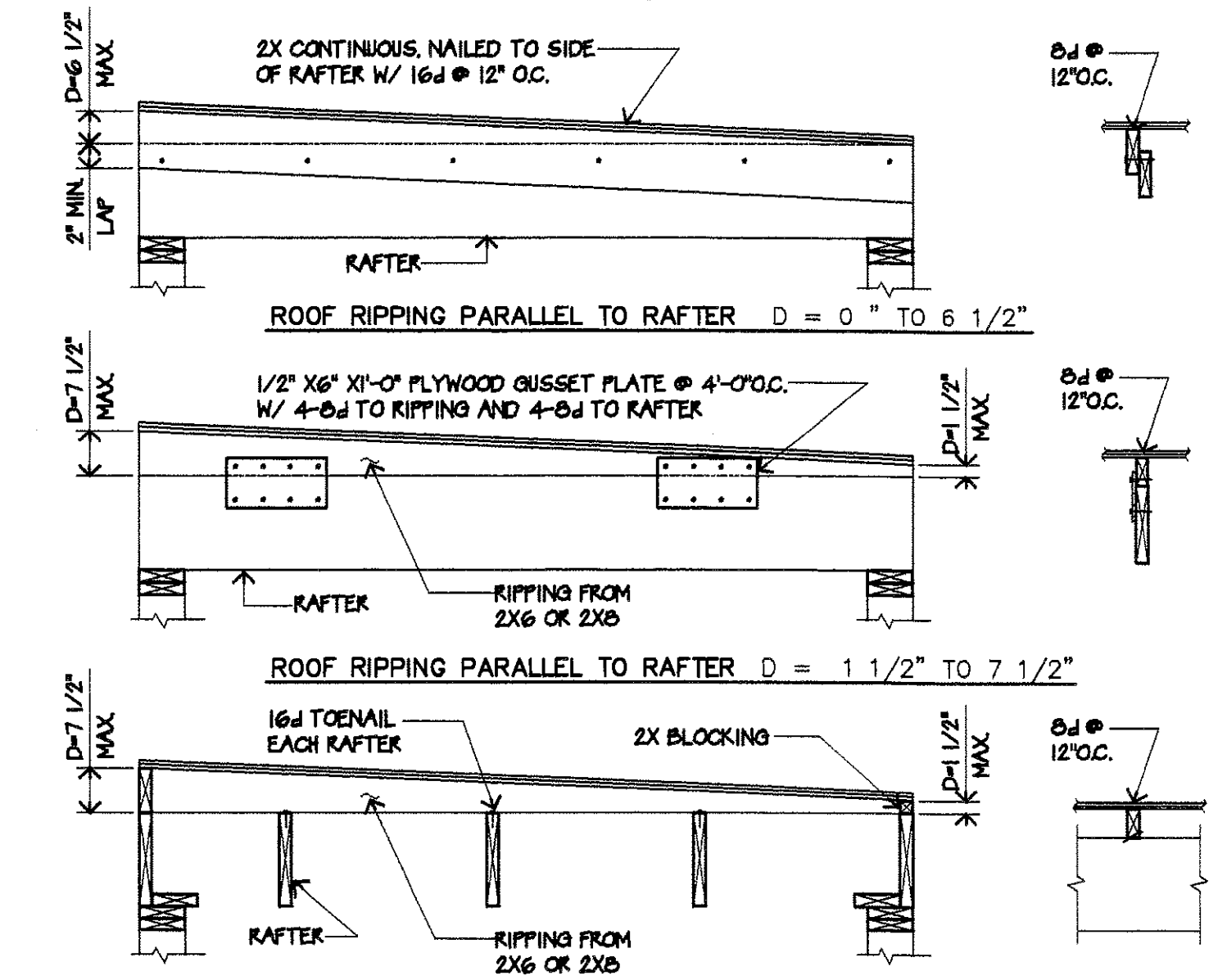
TYPICAL BUILT-UP MEMBERS

6 DETAIL
S1B NO SCALE



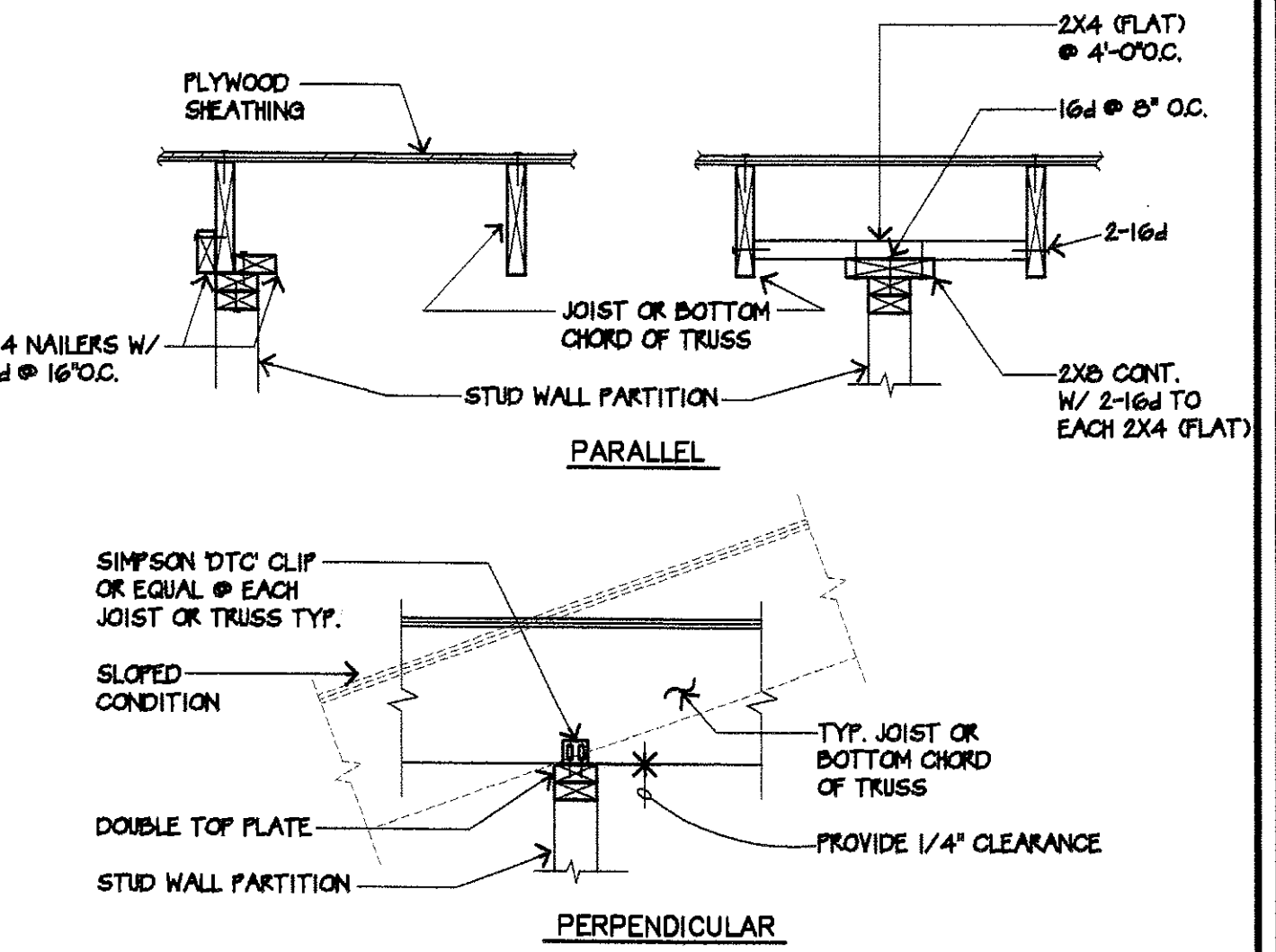
TYPICAL STUD WALL CORNERS

7 DETAIL
S1B NO SCALE



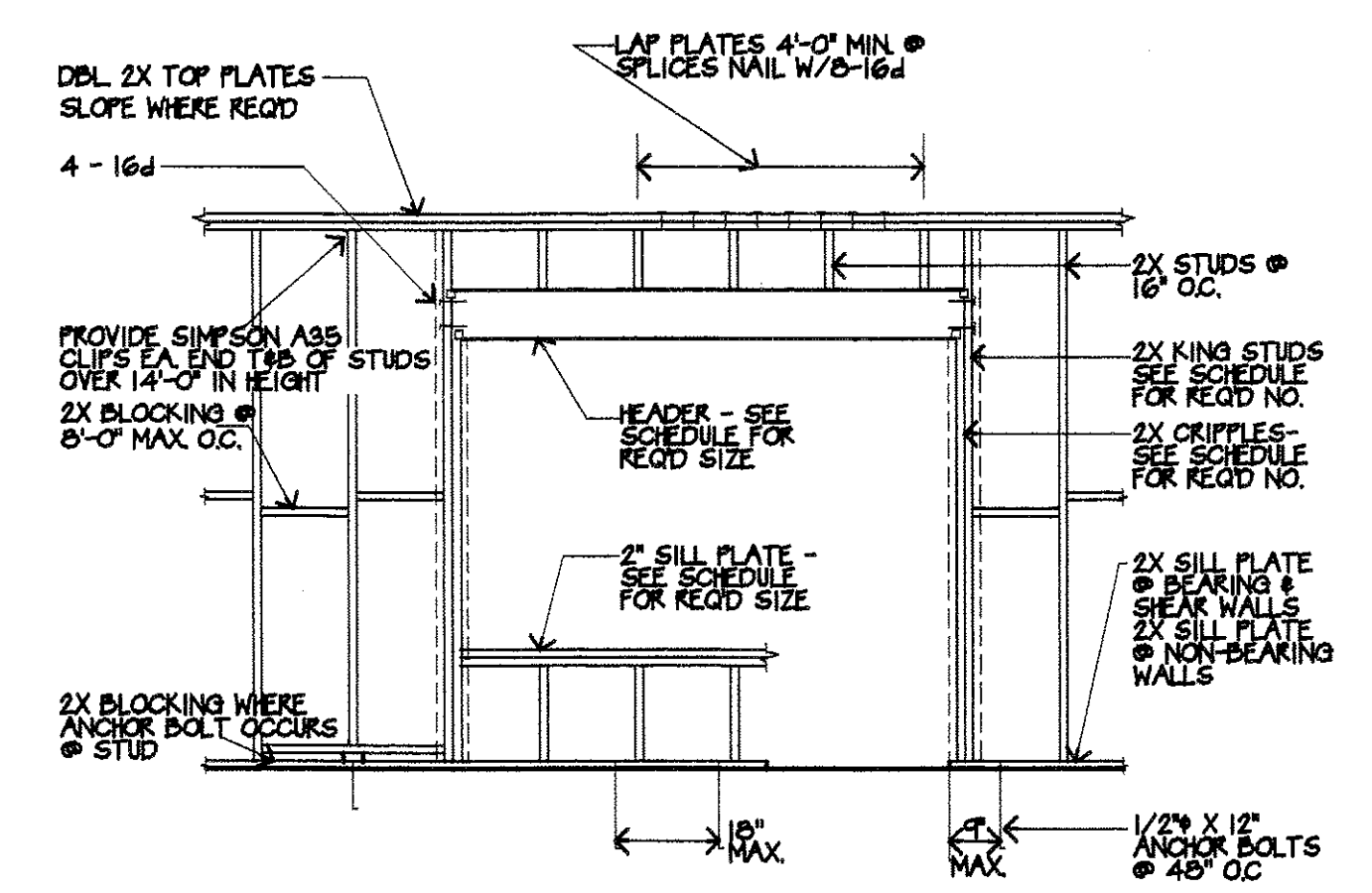
ROOF RIPPING PERPENDICULAR TO RAFTER D = 1 1/2" TO 7 1/2"

8 DETAIL
S1B NO SCALE



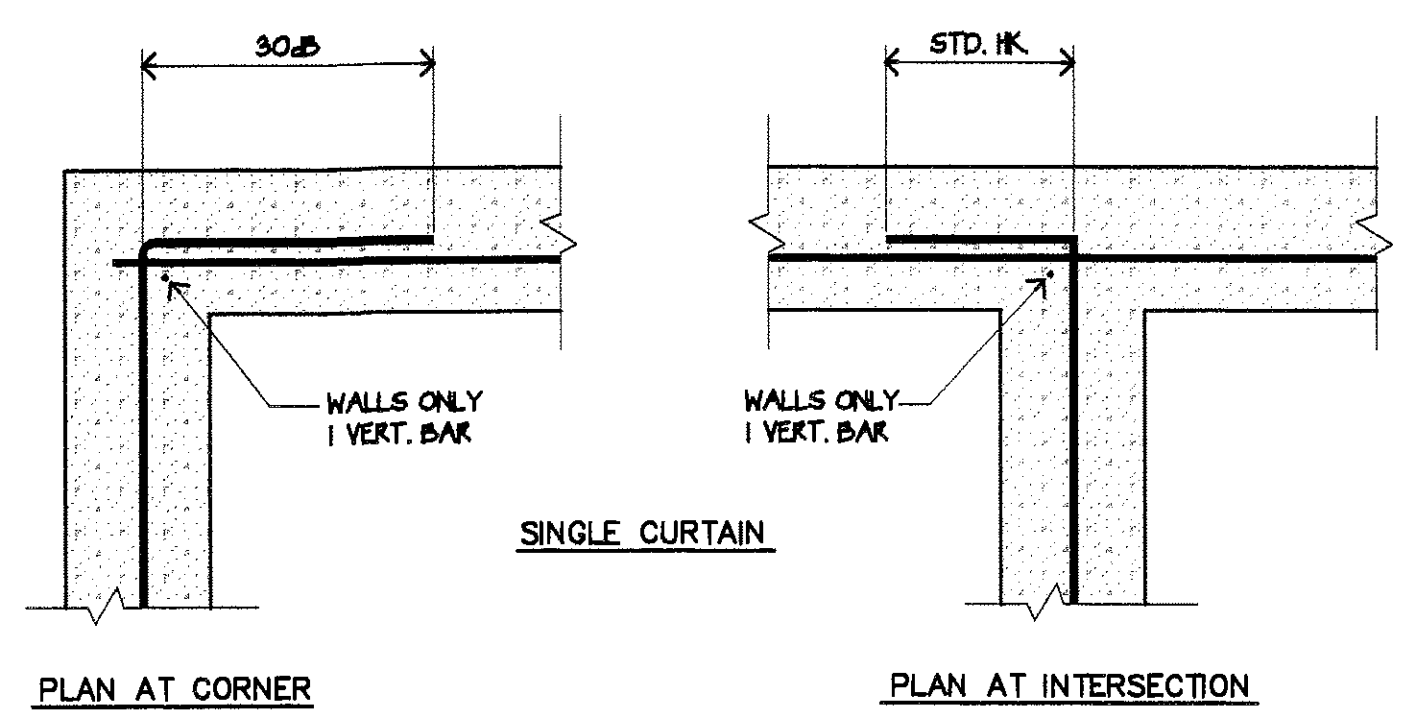
TYPICAL NON-BEARING STUD WALL AT ROOF

9 DETAIL
S1B NO SCALE



TYPICAL WALL FRAMING

10 DETAIL
S1B NO SCALE

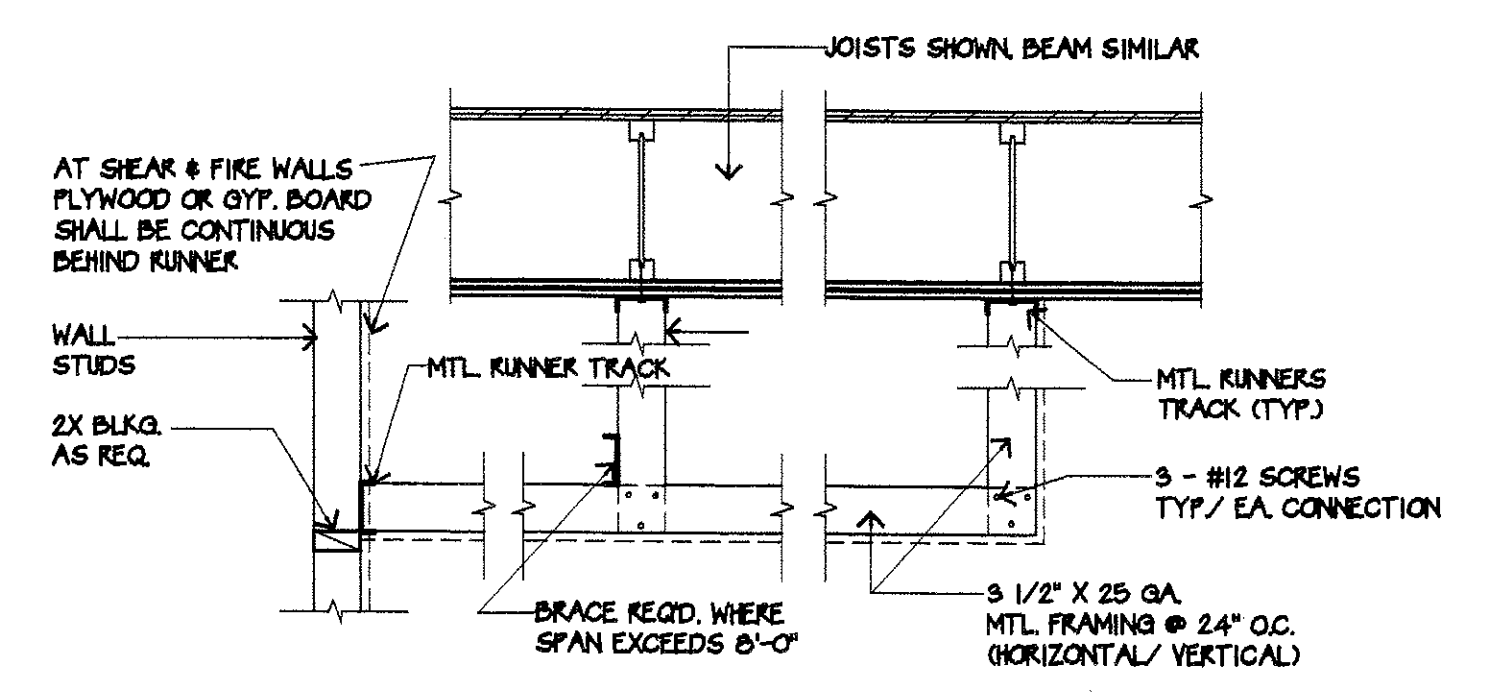


TYPICAL CONCRETE WALL OR FOUNDATION INTERSECTION

11 PLAN DETAIL
S1B NO SCALE

DETAILING DIMENSION		HOOK		DETAILING DIMENSION	
A OR G		A OR G		A OR G	
BAR SIZES		D = FINISHED INSIDE BEND DIAMETER		D = FINISHED INSIDE BEND DIAMETER	
STANDARD HOOKS		STIRRUP/TIE HOOKS		STIRRUP/TIE HOOKS	
#3, #4, #5		5db		4db	
#6, #7, #8		6db		5db	
#9, #10, #11		8db		6db	
db = NORMAL BAR DIAMETER		db = NORMAL BAR DIAMETER		db = NORMAL BAR DIAMETER	
BAR SIZES		DIMENSION OF STANDARD 90 DEGREE HOOKS, ALL GRADES		DIMENSION OF STANDARD 90 DEGREE HOOKS, ALL GRADES	
#3		A OR G	D	A OR G	D
#3		5"	3"	2 1/4"	6"
#4		6"	4"	3"	8"
#5		7"	5"	3 3/4"	10"
#6		8"	6"	4 1/2"	12"
#7		10"	7"	5 1/4"	14"
#8		11"	8"	6"	16"
#9		13"	10"	7 1/2"	18"
#10		15"	12"	9"	20"
#11		17"	14"	10 1/2"	22"
FOR #3, #4, #5 - 6db		FOR #6, #7 - 12db		FOR #8, #9 - 12db	
Stirrups Hooks		Stirrups Hooks		Stirrups Hooks	
BAR SIZE		D		D	
#3		1 1/2"	4"	1 1/2"	4"
#4		2"	4 1/2"	2"	4 1/2"
#5		2 1/2"	5"	2 1/2"	5"
#6		3"	5 1/2"	3"	5 1/2"
#7		3 1/2"	6"	3 1/2"	6"
Seismic Stirrups		Seismic Stirrups		Seismic Stirrups	
BAR SIZE		D		D	
#3		1 1/2"	4"	1 1/2"	4"
#4		2"	4 1/2"	2"	4 1/2"
#5		2 1/2"	5"	2 1/2"	5"
#6		3"	5 1/2"	3"	5 1/2"
#7		3 1/2"	6"	3 1/2"	6"

12 SCHEDULE
S1B NO SCALE



NOTE: 1. DO NOT SUPPORT MECHANICAL EQUIPMENT ON CEILING JOISTS, PROVIDE HANGERS TO STRUCTURE ABOVE.

SUSPENDED METAL CEILING/ SOFFIT

13 DETAIL
S1B NO SCALE

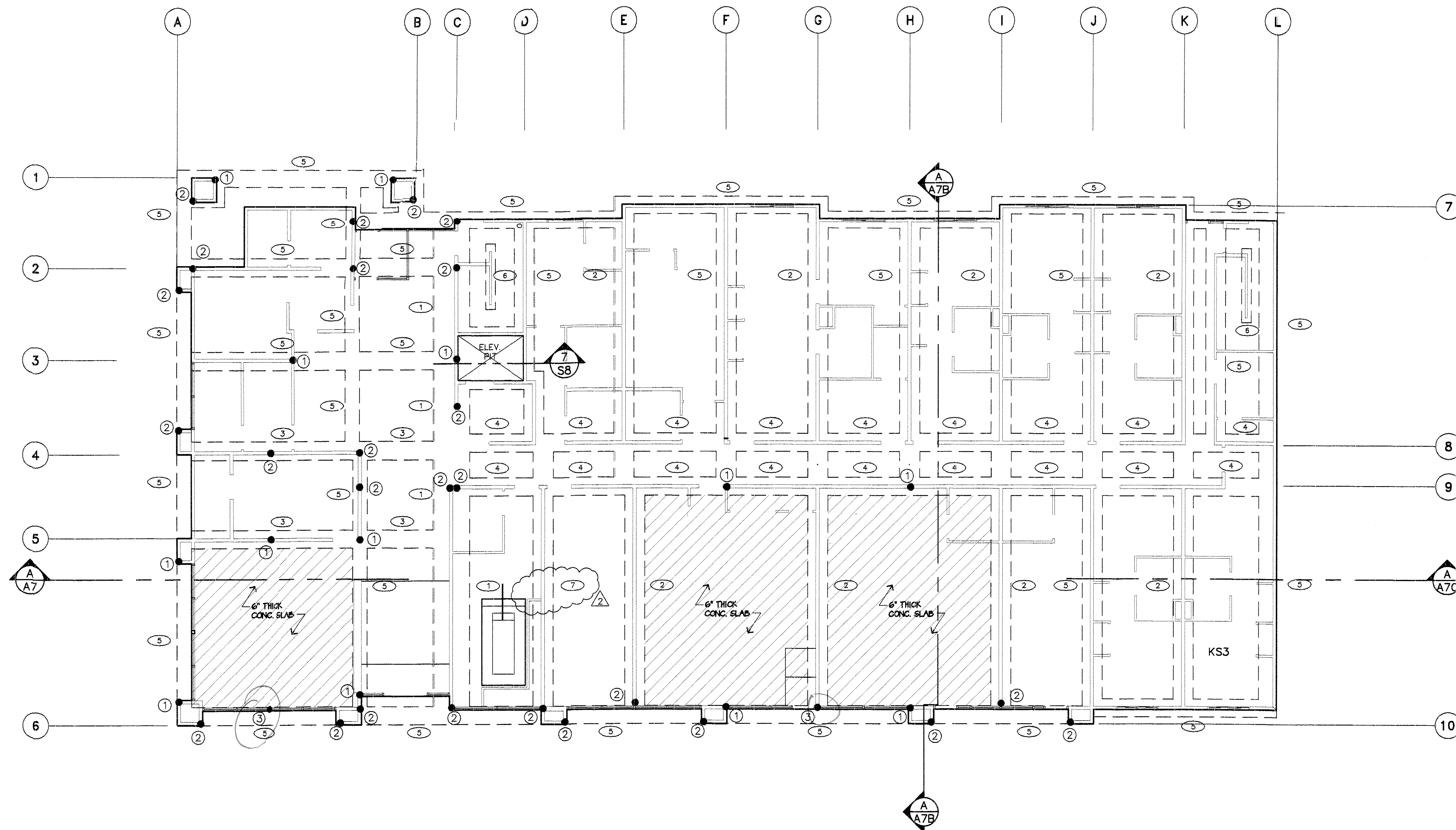
LEE GAGE & ASSOCIATES, INC.
architecture • engineering • planning
7636 n. Ingram suite 107 fresno, california 93711 phone (559) 439-2222

PROPOSED: **HAWTHORN SUITES LTD.**
1028 WEBSTER STREET
ALAMEDA, CA
OWNERS: **ALAMEDA HOSPITALITY, LLC**
1940 TRANSCAN WAY, SUITE #110
ALAMEDA, CA 94501 PHONE/FAX (510) 614-9881

03/15/02

REVISIONS

S1B
SHEET
OF



FOOTING SCHEDULE					
CALC. SYMBOL	SYMBOL	FOOTING SIZE	REINFORCING	DETAIL	REMARKS
C	1	60" WIDE x 60" DEEP	11-#5 BARS TOP & BOTTOM W/ #4 TIES @ 12" O.C.	(S7)	REFER TO SHEAR WALL SCHEDULE FOR ANCHOR BOLTS, SPACING & HOLDOWN REQUIREMENTS. - SHEET S2A (FIRST FLOOR)
E,G,I,K	2	33" WIDE x 42" DEEP	6-#6 BARS TOP & BOTTOM W/ #4 TIES @ 12" O.C.	(S7)	
8,9	3	48" WIDE x 48" DEEP	8-#6 BARS TOP & BOTTOM W/ #4 TIES @ 12" O.C.	(S7)	
8,9	4	36" WIDE x 42" DEEP	7-#6 BARS TOP & BOTTOM W/ #4 TIES @ 12" O.C.	(S7)	REFER TO SHEET S6 & S8 FOR FOOTING & HOLDOWN DETAILS
	5	30" WIDE x 30" DEEP	2-#5 BARS TOP & BOTTOM	(S7)	DEPTH INDICATED IS FROM TOP OF CONC. SLAB
	6	16" WIDE x 30" DEEP	2-#5 BARS TOP & BOTTOM	(S7)	ALL CONCRETE SHALL BE MIN. 2500 P.S.I.
	7	30" WIDE x 42" DEEP (DEPTH REQ'D FOR SPA CLEARANCE)	2-#5 BARS TOP & BOTTOM	(S7)	CONSTRUCTION SLAB (TWO POUR SYSTEM) 5" CONC. SLAB OVER 2" SAND FILL OVER 10 MIL. MEMBRANE OVER 4" AGGREGATE OVER COMPACTED BASE. - REINFORCE SLAB W/ #4 BARS @ 16" O.C. (PLACED 2" BELOW TOP OF SLAB)

NOTE:
ALL WOOD COLUMNS MAY BE SET ON 2X OR 3X PRESS. TREATED PLATE W/ SIMPSON A95 EA. SIDE
REFER TO SOIL REPORT #SR00010008A DEC. 22, 2000 BY ALDINE, GLOVE, SOIL ENGINEERS
41 SUTTER STREET SUITE 1509
SAN FRANCISCO, CA 94104
(800) 944-SOIL THIS REPORT MUST BE FOLLOWED COMPLETELY.

COLUMN KEYNOTES

- 1 6X8 D.F. #1 POST (S7) (S7)
- 2 6X6 D.F. #1 POST (S7) (S7)
- 3 4"x4"x3/16" T.S. COLUMN (S7) (S7)

FOUNDATION PLAN

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

REVISIONS PER OWNER REVISIONS
7/3/02

REVISIONS PER CITY OF ALAMEDA
7/3/02

RECEIVED
JUL 1 2002
CENTRAL PERMITS OFFICE
ALAMEDA, CA 94501

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

THESE DRAWINGS, DESIGNS, SKETCHES, IDEAS & ARRANGEMENTS ARE THE SOLE & EXCLUSIVE PROPERTY OF LEE GAGE & ASSOCIATES, INC. AND ARE NOT TO BE REPRODUCED OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF LEE GAGE & ASSOCIATES, INC.

HAWTHORN SUITES LTD
1028 WEBSTER STREET
ALAMEDA, CA 94501
ALAMEDA HOSPITALITY, LLC
1000 FIVE OAKS DRIVE SUITE 200
ALAMEDA, CA 94501 PHONE/FAX (415) 814-9881

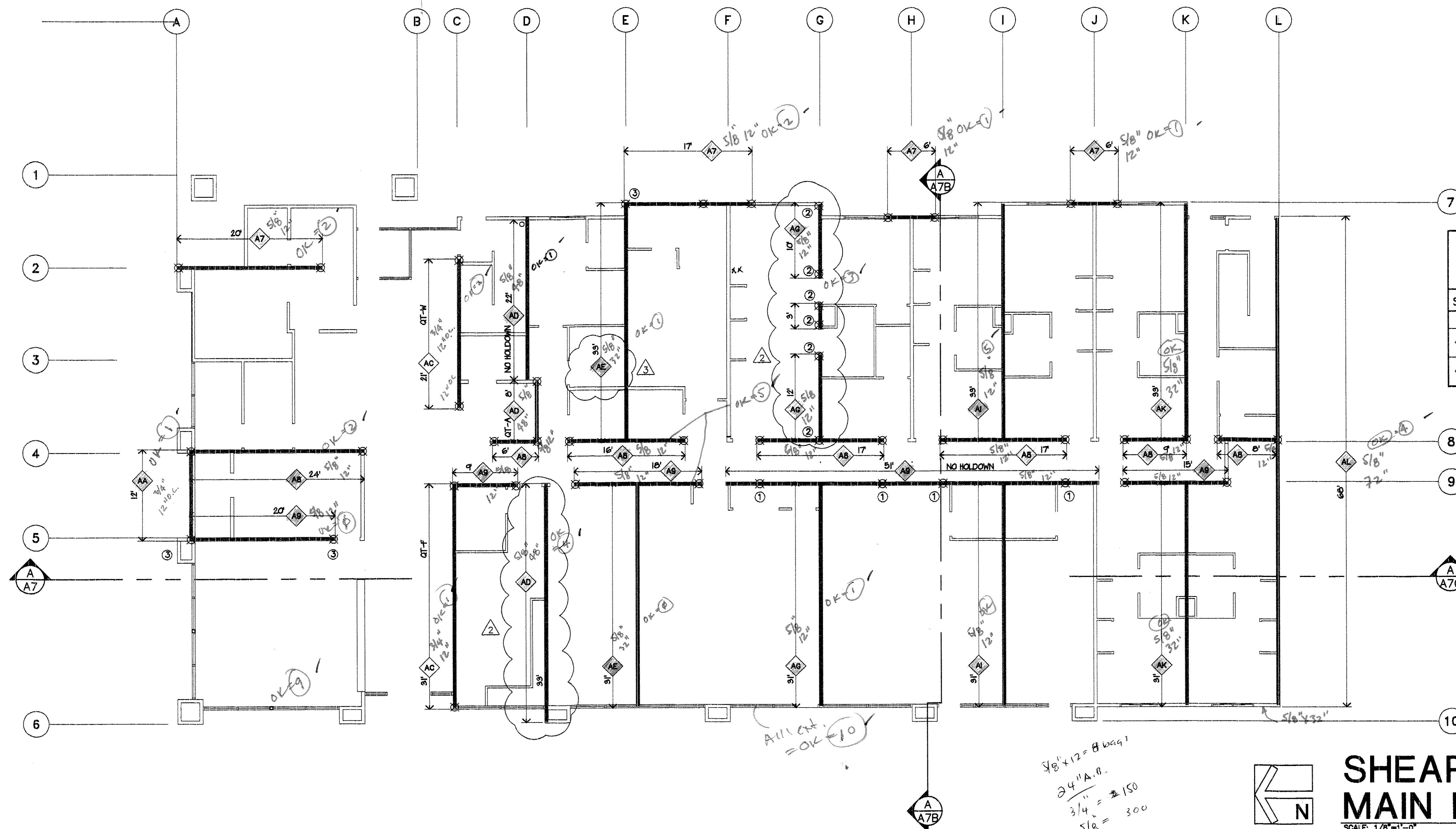
PROPOSED: HAWTHORN SUITES LTD.
1028 WEBSTER STREET
ALAMEDA, CA 94501
ALAMEDA HOSPITALITY, LLC
1000 FIVE OAKS DRIVE SUITE 200
ALAMEDA, CA 94501 PHONE/FAX (415) 814-9881

07/10/02

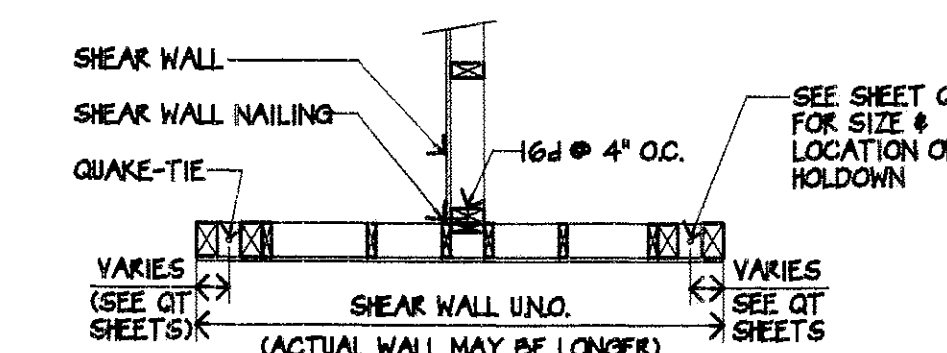
RECEIVED
JUL 1 2002
CENTRAL PERMITS OFFICE
ALAMEDA, CA 94501

S2

SHEET
OF



HORIZONTAL DIAPHRAGM SCHEDULE		
SYM.	LOCATION	DESCRIPTION
DIAPHRAGM NAILING		
F1	FLOOR	3/4" STRUCT II PLYWOOD SHEATHING (48/24) T&G -NAIL W/ 10d @ 6" O.C. ALL SUPPORTED EDGES & -12" O.C. FIELD (UNBLOCKED) U.N.O.
R1	ROOF	19/32" STRUCT II PLYWOOD SHEATHING (32/16) -NAIL W/ 10d @ 6" O.C. SUPPORTED EDGES & -12" O.C. FIELD (UNBLOCKED) U.N.O.



HOLDOWN DETAIL
SCALE: 3/4\"/>

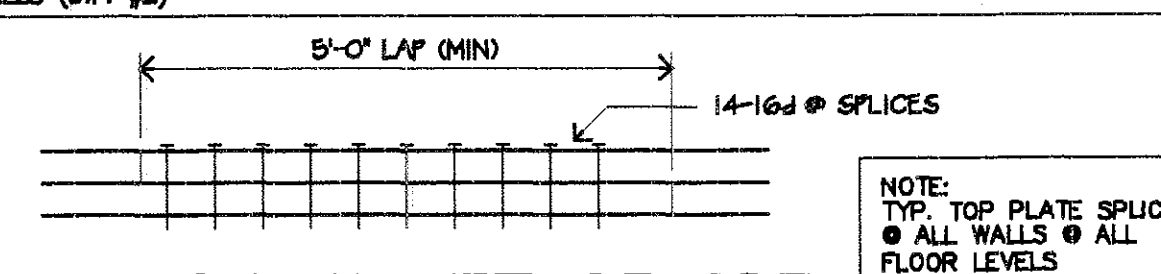
KEY NOTES

- ☒ INDICATES HOLDOWN LOCATION (SEE SCHEDULE FOR TYPE)
- INDICATES SHEAR WALL
- ① QUAKE-TIE QT-R FROM FOUNDATION TO ROOF
- ② SIMPSON I/P/HD 22/4X 23-16d NAILS
- ③ QUAKE-TIE QT-V FROM FOUNDATION TO 2ND FLOOR

SHEAR WALL PLAN MAIN FLOOR LEVEL A

SCALE: 1/8\"/>

NOTE: PROVIDE STAGGERED NAILING @ ADJOINING PANEL EDGES WHERE THE FOLLOWING CONDITIONS OCCUR: 1. 10d @ 3\"/>		'QUAKE-TIE SYSTEM NOTE' MANUFACTURER/INSTALLER: SEISMIC SOLUTIONS INC. P.O. BOX 1924 GLEN ELLEN, CA. 95442 (PH. 1-800-840-8008) CONTACT: MARK ANDREWS / PETE SCHUYLER	
NOTE: FOR SILL PLATE NAILING AT SHEAR WALLS USE 16d NAILS - SPACE AT SAME NAILING AS SHEAR PANEL EDGE NAILING - REFER TO DETAILS		GENERAL CONTRACTOR TO COORDINATE WITH MANUF'. FOR PROCESSING DOCUMENTS/SUBMITTALS FOR ARCHITECT'S REVIEW PRIOR TO SUBMITTAL FOR LOCAL GOVERNING AUTHORITIES APPROVAL.	
QUAKE-TIE BOLT EMBEDMENT TO TERMINATE WITH STD. NUT W/ 3\"/>		NOTE: STUD THICKNESS ON SHEAR PANEL SCHEDULES SHALL TAKE PRECEDENCE OVER THIS INDEX	
STUD WALL INDEX 1st FLOOR 2X6 STUDS @ 16\"/>		3rd FLOOR 2X6 STUDS @ 16\"/>	
2nd FLOOR 2X6 STUDS @ 16\"/>			



TOP PLATE SPLICE
NO SCALE

SHEAR PANEL SCHEDULE						
UPLIFT	A.B. SIZE & SPACING W/ 2" x 2" X3/16" WASHER	CAL'C SYM.	SYM.	LOCATION	DESCRIPTION	FOUNDATION SUPPORT DRAG STRUT
MAIN FLOOR WALLS						
	3/4" # A.B. # 12" O.C. W/ 3X PLATE	(A)	AA	EXTERIOR	3/8" TYPE C-D PLYWOOD OR ORIENTED STRAND BOARD TWO SIDES / NAIL w/ 8d @ 2" O.C. @ ALL EDGES & 4" O.G. FIELD (STUDS @ 24" O.C.) 3X @ ADJ. EDGES	QUAKE-TIE FULL HEIGHT QT-V QUAKE-TIE TO 2nd FLOOR @ LINE AS QT-V
	3/4" # A.B. # 12" O.C. W/ 3X PLATE	(C)	AC	INTERIOR	3/8" TYPE C-D PLYWOOD OR ORIENTED STRAND BOARD TWO SIDES / NAIL w/ 8d @ 2" O.C. @ ALL EDGES & 6" O.C. FIELD (STUDS @ 24" O.C.) 3X @ ADJ. EDGES	QUAKE-TIE FULL HEIGHT QT-W @ 2nd FLOOR QT-T @ 3rd FLOOR
	2.14K @ 8" 2.53K @ 8", 8", & 9"	(D)	AD	INTERIOR	3/8" TYPE C-D PLYWOOD OR ORIENTED STRAND BOARD ONE SIDE / NAIL w/ 8d @ 8" O.C. @ ALL EDGES & 6" O.C. FIELD (STUDS @ 24" O.C.)	QUAKE-TIE FULL HEIGHT QT-A @ 8' ELEV. LOBBY PIER NO HOLDOWN @ 33' PIER
	5/8" # A.B. # 32" O.C. W/ 2X PLATE	(E)	AE	INTERIOR	3/8" TYPE C-D PLYWOOD OR ORIENTED STRAND BOARD ONE SIDE / NAIL w/ 8d @ 4" O.C. @ ALL EDGES & 6" O.G. FIELD (STUDS @ 24" O.C.)	NO HOLDOWN REQ'D
	5/8" # A.B. # 12" O.C. W/ 3X PLATE	(G)	AG	INTERIOR	3/8" TYPE C-D PLYWOOD OR ORIENTED STRAND BOARD ONE SIDE / NAIL w/ 8d @ 3" O.C. @ ALL EDGES & 6" O.G. FIELD (STUDS @ 24" O.C.) 3X @ ADJ. EDGES	NO HOLDOWN @ 31' PIER HPAHD 22/4X W/ 23-16d SEE PLAN
	5/8" # A.B. # 12" O.C. W/ 3X PLATE	(I)	AI	INTERIOR	3/8" TYPE C-D PLYWOOD OR ORIENTED STRAND BOARD ONE SIDE / NAIL w/ 8d @ 3" O.C. @ ALL EDGES & 6" O.C. FIELD (STUDS @ 24" O.C.)	NO HOLDOWN REQ'D
	5/8" # A.B. # 32" O.C. W/ 2X PLATE	(K)	AK	INTERIOR	3/8" TYPE C-D PLYWOOD OR ORIENTED STRAND BOARD ONE SIDE / NAIL w/ 8d @ 4" O.C. @ ALL EDGES & 6" O.G. FIELD (STUDS @ 24" O.C.)	NO HOLDOWN REQ'D
	5/8" # A.B. # 72" O.C. W/ 2X PLATE	(L)	AL	INTERIOR	3/8" TYPE C-D PLYWOOD OR ORIENTED STRAND BOARD ONE SIDE / NAIL w/ 8d @ 8" O.C. @ ALL EDGES & 6" O.G. FIELD	NO HOLDOWN REQ'D
22.0K	5/8" # A.B. # 12" O.C. W/ 3X PLATE	(7)	A7	INTERIOR EXTERIOR	19/32" TYPE C-D PLYWOOD OR ORIENTED STRAND BOARD ONE SIDE / NAIL w/ 10d @ 2" O.C. @ ALL EDGES & 6" O.C. FIELD (3X @ ADJ. EDGES)	QUAKE-TIE FULL HEIGHT QT-V
22.0K	5/8" # A.B. # 12" O.C. W/ 3X PLATE	(8)	A8	INTERIOR	15/32" TYPE C-D PLYWOOD OR ORIENTED STRAND BOARD ONE SIDE / NAIL w/ 10d @ 2" O.C. @ ALL EDGES & 6" O.C. FIELD (3X @ ADJ. EDGES)	QUAKE-TIE FULL HEIGHT QT-V
22.0K	5/8" # A.B. # 12" O.C. W/ 3X PLATE	(9)	A9	INTERIOR	15/32" TYPE C-D PLYWOOD OR ORIENTED STRAND BOARD ONE SIDE / NAIL w/ 10d @ 2" O.C. @ ALL EDGES & 6" O.C. FIELD (3X @ ADJ. EDGES)	QUAKE-TIE FULL HEIGHT QT-V @ ALL EXPOSED PIER NO HOLDOWN @ 1ST FLOOR

ALL OTHER EXTERIOR WALLS @ ALL LEVELS (NOT DETAILED AS SHEAR WALLS) TO RECEIVE 3/8\"/>

ALL BOTTOM PLATES OF SHEAR WALLS & BEARING WALLS ON THIS FLOOR TO HAVE 2X W/ 2\"/>

REVISIONS PER ARCHITECT CLARIFICATION 7/3/02
 REVISIONS PER OWNER REQUEST 7/3/02



NEW SHEET



SHEAR PANEL SCHEDULE

LEE GAGE & ASSOCIATES, INC.
architecture • engineering • planning
7636 n. Ingram suite 107 fresno, california 93711 phone (559) 438-2222

THESE DRAWINGS, DESIGNS, SKETCHES, IDEAS & ARRANGEMENTS ARE THE SOLE & EXCLUSIVE PROPERTY OF LEE GAGE & ASSOCIATES, INC., AND WERE CREATED AND DEVELOPED BY AND FOR THE ARCHITECT'S EXCLUSIVE USE ON AND IN CONNECTION WITH THE ARCHITECT'S WORK. NOTHING CONTAINED OR REPRESENTED ON THESE DOCUMENTS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WITHOUT EXPRESSED WRITTEN CONSENT OF LEE GAGE & ASSOCIATES, INC.

PROPOSED: **HAWTHORN SUITES LTD.**
1028 WEBSTER STREET
ALAMEDA, CA.

OWNERS: **ALAMEDA HOSPITALITY, LLC**
1940 FRANCISCAN WAY, SUITE #110
ALAMEDA, CA. 94501. PHONE/FAX(510) 814-9600

07/12/02

LICENSED ARCHITECT
LEE GAGE
C-6718
REN.
1-31-03
STATE OF CALIFORNIA

S2B

SHEET _____
OF _____

F:\ARCHIDESK\SANDIP\HSA-S2B.DWG



SHEAR WALL PLAN 3RD FLOOR LEVEL

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



RECEIVED

JUN 5 2002

CENTRAL PERMITS OFFICE
ALAMOGA, CA 94501

SHEAR PANEL SCHEDULE					
UP/LIFT	CAL' C SYM.	SYM.	LOCATION	DESCRIPTION	FOUNDATION SUPPORT DRAG STRUT
	MAIN FLOOR WALLS				
	C	CC	INTERIOR	3/8" TYPE C-D PLYWOOD OR ORIENTED STRAND BOARD ONE SIDE/ NAIL w/ 6d @ 2" O.C. @ ALL EDGES & ● 8" O.C. FIELD (3X ● ADJACENT EDGES)	QUAKE-TIE FULL HEIGHT QT-W ● 21" PIER QT-F ● 31" PIER
	D	CD	INTERIOR	3/8" TYPE C-D PLYWOOD OR ORIENTED STRAND BOARD ONE SIDE/ NAIL w/ 6d @ 2" O.C. @ ALL EDGES & ● 8" O.C. FIELD (STUDS ● 24" O.C.)	QUAKE-TIE FULL HEIGHT QT-A ● 8" PIER @ GLEZ LOBBY NO HOLDOWN @ 33", & 22"
	E	CE	INTERIOR	3/8" TYPE C-D PLYWOOD OR ORIENTED STRAND BOARD ONE SIDE/ NAIL w/ 6d @ 8" O.C. @ ALL EDGES & ● 8" O.C. FIELD (STUDS ● 24" O.C.)	SIMPSON MSTC26
	G	CG	INTERIOR	3/8" TYPE C-D PLYWOOD OR ORIENTED STRAND BOARD ONE SIDE/ NAIL w/ 6d @ 8" O.C. @ ALL EDGES & ● 8" O.C. FIELD (STUDS ● 24" O.C.)	SIMPSON MSTC26
	I	CI	INTERIOR	3/8" TYPE C-D PLYWOOD OR ORIENTED STRAND BOARD ONE SIDE/ NAIL w/ 6d @ 8" O.C. @ ALL EDGES & ● 8" O.C. FIELD (STUDS ● 24" O.C.)	SIMPSON MSTC26
	K	CK	INTERIOR	3/8" TYPE C-D PLYWOOD OR ORIENTED STRAND BOARD ONE SIDE/ NAIL w/ 6d @ 8" O.C. @ ALL EDGES & ● 8" O.C. FIELD	SIMPSON MSTC26
	L	CL	EXTERIOR	3/8" TYPE C-D PLYWOOD OR ORIENTED STRAND BOARD ONE SIDE/ NAIL w/ 6d @ 8" O.C. @ ALL EDGES & ● 12" O.C. FIELD (STUDS ● 24" O.C.)	SIMPSON MSTC26
	7	C7	INTERIOR EXTERIOR	3/8" TYPE C-D PLYWOOD OR ORIENTED STRAND BOARD ONE SIDE/ NAIL w/ 6d @ 3" O.C. @ ALL EDGES & ● 8" O.C. FIELD	QUAKE-TIE FULL HEIGHT QT-V
	8	C8	INTERIOR	3/8" TYPE C-D PLYWOOD OR ORIENTED STRAND BOARD ONE SIDE/ NAIL w/ 6d @ 3" O.C. @ ALL EDGES & ● 8" O.C. FIELD (3X ● ADJACENT EDGES)	QUAKE-TIE FULL HEIGHT QT-V
	9	C9	INTERIOR	3/8" TYPE C-D PLYWOOD OR ORIENTED STRAND BOARD ONE SIDE/ NAIL w/ 6d @ 3" O.C. @ ALL EDGES & ● 8" O.C. FIELD (3X ● ADJACENT EDGES)	QUAKE-TIE FULL HEIGHT QT-V

LEE GAGE & ASSOCIATES, INC.

architecture • engineering • planning
7636 n. ingram suite 107 freemont, california 93711 phone (858) 436-2222

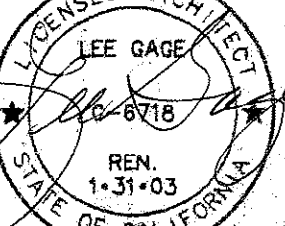
THESE DRAWINGS, DESIGNS, SKETCHES, IDEAS & ARRANGEMENTS ARE THE SOLE & EXCLUSIVE PROPERTY OF LEE GAGE & ASSOCIATES, INC. AND WERE CREATED AND DEVELOPED BY AND FOR THE ARCHITECTS EXCLUSIVE USE AND IN CONJUNCTION WITH THE ARCHITECT'S WORK. NOTHING CONTAINED OR REPRESENTED ON THESE DOCUMENTS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE, WITHOUT EXPRESSED WRITTEN CONSENT OF LEE GAGE & ASSOCIATES, INC.



PROPOSED: **HAWTHORN SUITES LTD.**
1624 WEBSTER STREET
ALAMEDA, CA

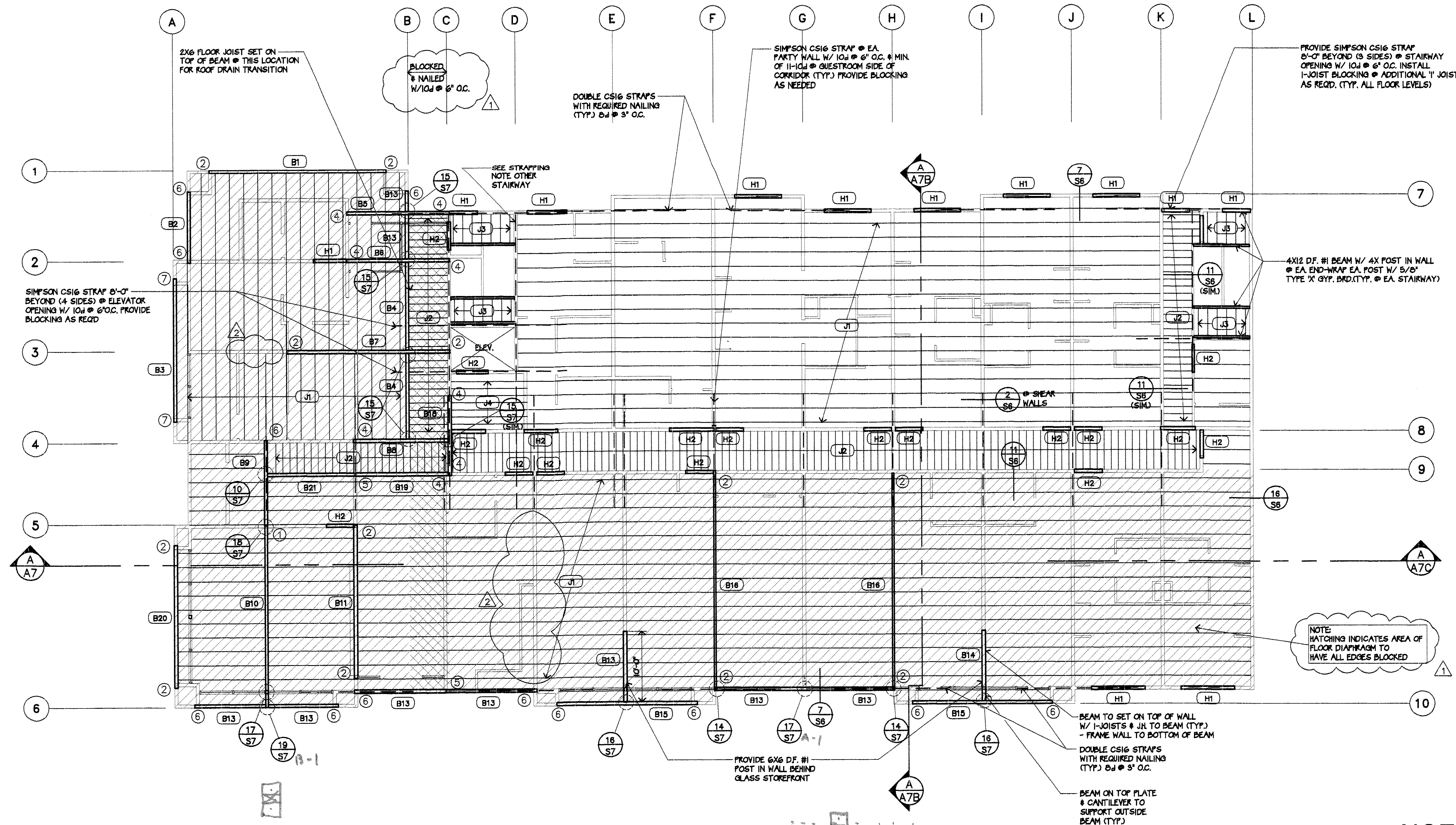
OWNERS: **ALAMEDA HOSPITALITY, LLC**
1940 FRANCISCAN WAY, SUITE #110
ALAMEDA, CA. 94501 PHONE/FAX(510) 814-9110

07/12/02



S2C

SHEET _____
OF _____



NOTE:
PROVIDE TRIMMER SAME DIMENSION AS WALL UNDER ALL HEADERS & DOUBLE TRIMMERS FOR HEADERS 8' TO 15' SPAN.
PROVIDE 4X POST UNDER ALL 3 1/2" WIDE PSL WHICH SPAN OVER 15'
PROVIDE 6X POST UNDER ALL 6X LUMBER 5 1/8" GLU-LAM 5 1/2" PSL & 7" PSL HEADERS, BEAMS, WITH SPANS OVER 15'

TRUSS DRAWINGS TO BE SUBMITTED WITHIN 30 DAYS OF PERMIT ISSUANCE. NO INSPECTIONS WILL BE MADE IF TRUSS DRAWINGS ARE NOT APPROVED AFTER 30 DAYS OF PERMIT ISSUANCE. (TRUSS DRAWINGS TO BE SUBMITTED BY TRUSS MANUFACTURER)
SUBMIT TWO COPIES OF TRUSS SHOP DRAWINGS, LAYOUT PLAN AND CALCULATIONS WITH DESIGN ENGINEERS STAMP, AND NET SIGNATURE, REVIEWED AND APPROVED BY PROJECT ENGINEER TO BLDG. DIV. FOR APPROVAL AT LEAST TWO WEEKS PRIOR TO INSTALLATION.
APPROVED TRUSS DRAWINGS & CALC'S. MUST BE ON SITE FOR INSPECTION PURPOSES.
ALL GLU-LAM BEAMS TO HAVE STANDARD CAMBER (NO SPECIAL REQ'TS/ U.N.O.)

FLOOR SHEATHING REQ'TS:
3/4" STRUCT II PLYWOOD SHEATHING (48/24) T&G
- DIAPHRAGM MAY BE UNBLOCKED (U.N.O.)
- NAIL W/10d @ 8" O.C. (CONT. EDGES)
- NAIL W/10d @ 12" O.C. (FIELD)
- RUN PERPENDICULAR TO JOIST /TYP. ALL AREAS
PROVIDE MINIMUM BLK'G. @ ALL FLOOR JOISTS PER MFG. RECOMMENDATIONS
PROVIDE DBL FLOOR JOISTS UNDER ALL BEARING WALLS - MAX. OFFSET ONE JOIST DEPTH
PROVIDE STUD UNDER ALL FLOOR JOISTS/ ROOF TRUSSES.
PROVIDE WEB STIFFENER AT INTERMEDIATE SUPPORTS OF I-JOISTS

NOTE: /COLUMN CAPS

- 1 PROVIDE SIMPSON CC96 COLUMN CAP W/ 6X8 D.F. #1 POST
- 2 PROVIDE SIMPSON ECC96 COLUMN CAP W/ 6X8 D.F. #1 POST
- 3 PROVIDE SIMPSON CC7 1/8-6 COLUMN CAP W/ 6X6 D.F. #1 POST
- 4 PROVIDE SIMPSON ECC7 1/8-6 COLUMN CAP W/ 6X6 D.F. #1 POST
- 5 PROVIDE SIMPSON CC5 1/4-6 COLUMN CAP W/ 6X6 D.F. #1 POST
- 6 PROVIDE SIMPSON ECC5 1/4-6 COLUMN CAP W/ 6X6 D.F. #1 POST
- 7 PROVIDE SIMPSON ECC76 COLUMN CAP W/ 6X6 D.F. #1 POST

NOTE:
REFER TO SHEET A1 FOR TYPICAL FLOOR PLAN NOTES
REFER TO ENLARGED PLANS FOR DETAILED REQUIREMENTS NOT SHOWN ON THIS SHEET
NOTE: PROVIDE DBL TOP PLATES @ STAIRWAY LANDINGS LEVEL (ALL FLOORS) & EXTEND BEYOND 2'-0" PAST EA. SIDE (TYP. @ EA. STAIRWAY)

REVISIONS PER OWNER REVISIONS 7/3/02
REVISIONS PER CITY OF ALAMEDA 7/3/02

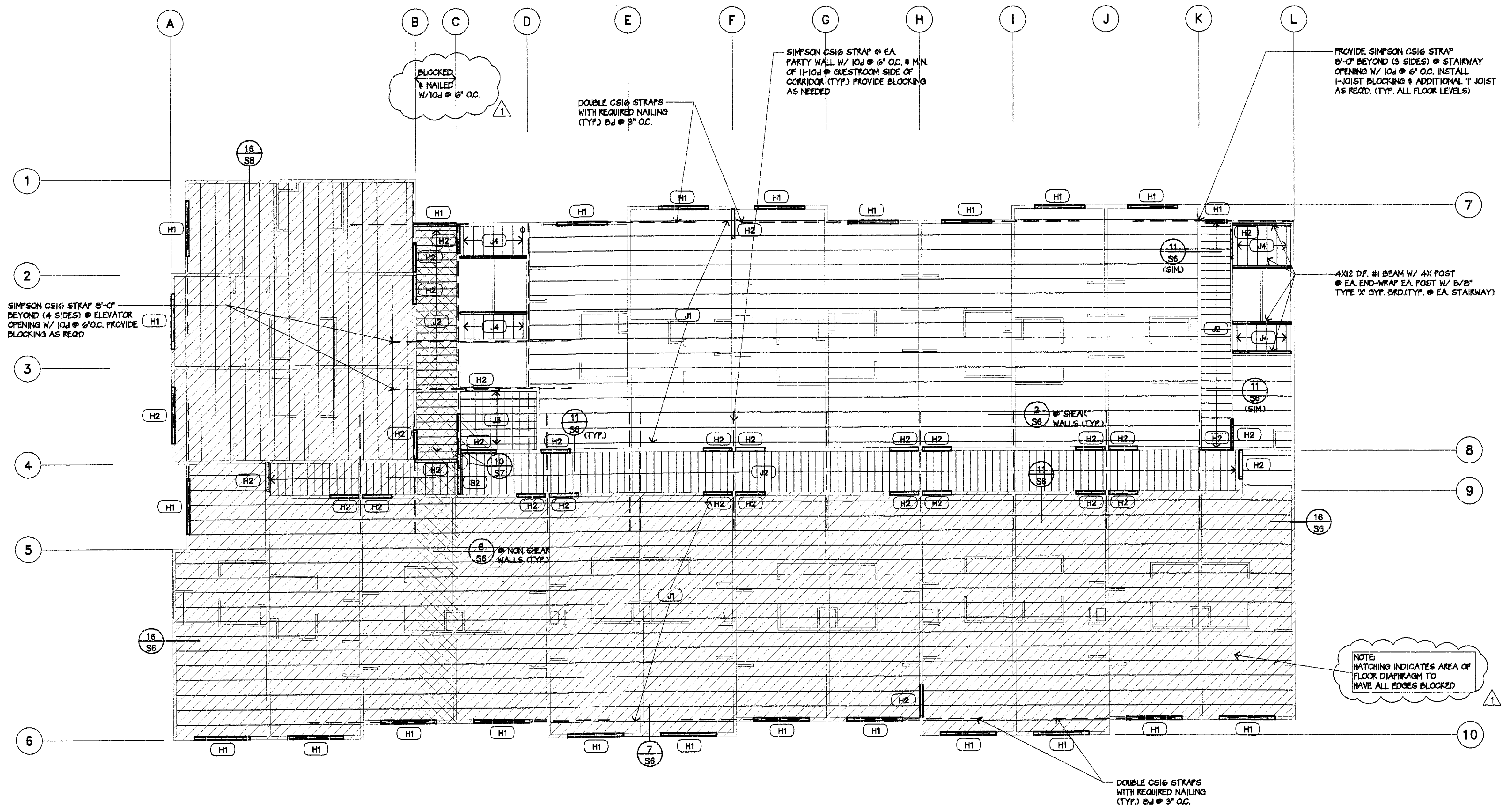
JUL 11 2002
CENTRAL PERMITS OFFICE
ALAMEDA, CA 94501



2nd FLOOR FRAMING PLAN

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

CALC. NO.	BEAM NO.	BEAM SIZE	REMARKS	CALC. NO.	BEAM NO.	BEAM SIZE	REMARKS	CALC. NO.	BEAM NO.	BEAM SIZE	REMARKS
	J1	11 7/8" DEEP I-JOISTS @ 24" O.C.	TRUSJOIST PRO 250	B6	B6	7" X 16" 2.0E PSL	TRUSJOIST	B17	B17	5 1/4" X 11 7/8" 2.0E PSL	TRUSJOIST
	J2	2x6 D.F. #2 @ 12" O.C.	CORRIDOR	B7	B7	5 3/4" X 27" GLU-LAM	24F V-4	B18	B18	7" X 14" 2.0E PSL	TRUSJOIST
	J3	2X12 D.F. #1 FLOOR JOISTS @ 16" O.C.	STAIRWAYS	B8	B8	7" X 16" 2.0E PSL	TRUSJOIST	B19	B19	5 1/4" X 11 7/8" 2.0E PSL	TRUSJOIST
	J4	TJ 11 7/8" PRO 250 @ 12" O.C.	TRUSJOIST	B9	B9	5 1/4" X 11 7/8" 2.0E PSL	TRUSJOIST	B20	B20	5 3/4" X 19 1/2" GLU-LAM	24F V-4
H1	H1	6X6 D.F. #2		B10	B10	5 3/4" X 24" GLU-LAM	24F V-4	B21	B21	5 1/4" X 11 7/8" 2.0E PSL	TRUSJOIST
H2	H2	6X6 D.F. #2		B11	B11	5 3/4" X 26 1/2" GLU-LAM	24F V-4				
B1	B1	5 3/4" X 24" GLU-LAM	24F V-4	B12	B12	(NOT USED)					
B2	B2	5 1/4" X 11 7/8" 2.0E PSL	TRUSJOIST	B13	B13	5 1/4" X 11 7/8" 2.0E PSL	TRUSJOIST				
B3	B3	5 3/4" X 16 1/2" GLU-LAM	24F V-4	B14	B14	5 1/4" X 11 7/8" 2.0E PSL	TRUSJOIST				
B4	B4	7" X 11 7/8" 2.0E PSL	TRUSJOIST	B15	B15	5 1/4" X 11 7/8" 2.0E PSL	TRUSJOIST				
B5	B5	7" X 11 7/8" 2.0E PSL	TRUSJOIST	B16	B16	5 3/4" X 26 1/2" GLU-LAM	24F V-4				



BEAM & JOIST SCHEDULE			
CALC. SYMB.	BEAM NO.	BEAM SIZE	REMARKS
	J1	11 7/8" DEEP I-JOIST (24" O.C.)	TRUSJOIST T.JPRO/250
	J2	2X6 D.F. #1 FLOOR JOIST (12" O.C.)	CORRIDOR
	J3	11 7/8" DEEP I-JOIST (12" O.C.)	TRUSJOIST PRO 250
	J4	2x12 D.F. #2 FLOOR JOIST @ 16" O.C.	STAIRWAY
H1	H1	6X6 D.F. #2	
H2	H2	6X6 D.F. #2	
B2	B2	6X10 D.F. #2	

3rd FLOOR FRAMING PLAN
 SCALE: 1/8"=1'-0"

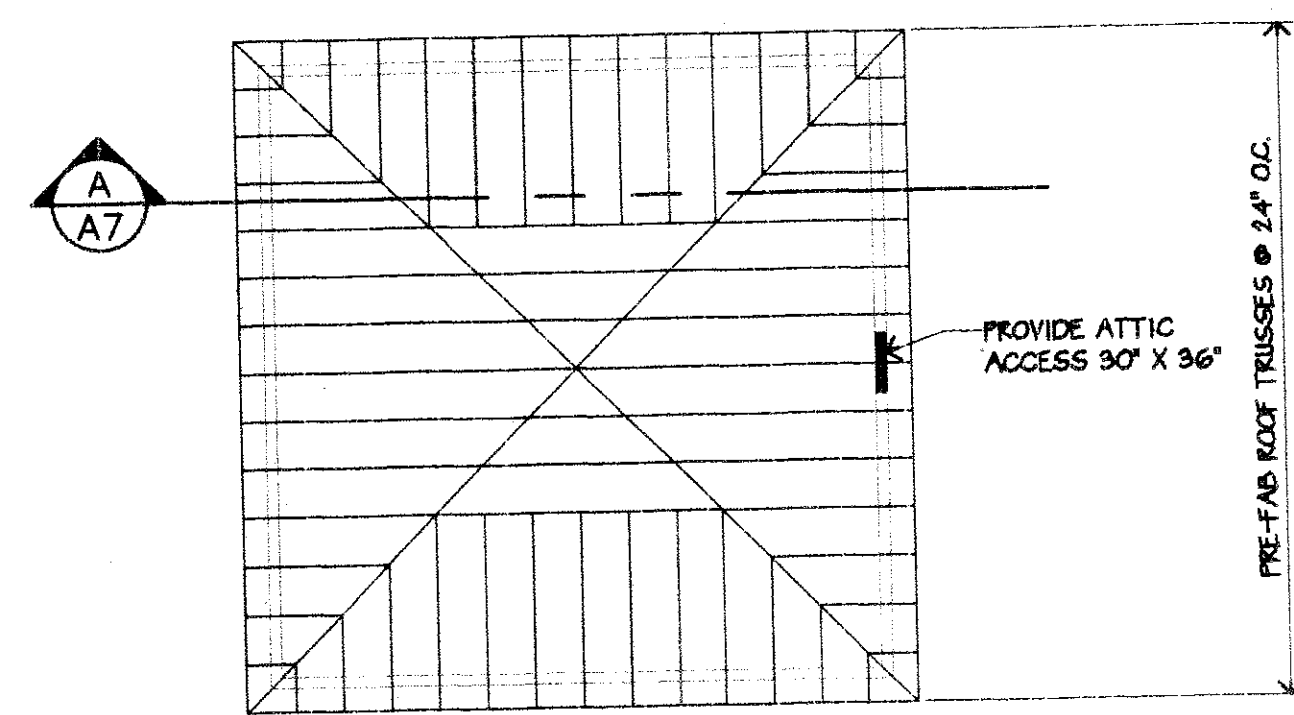
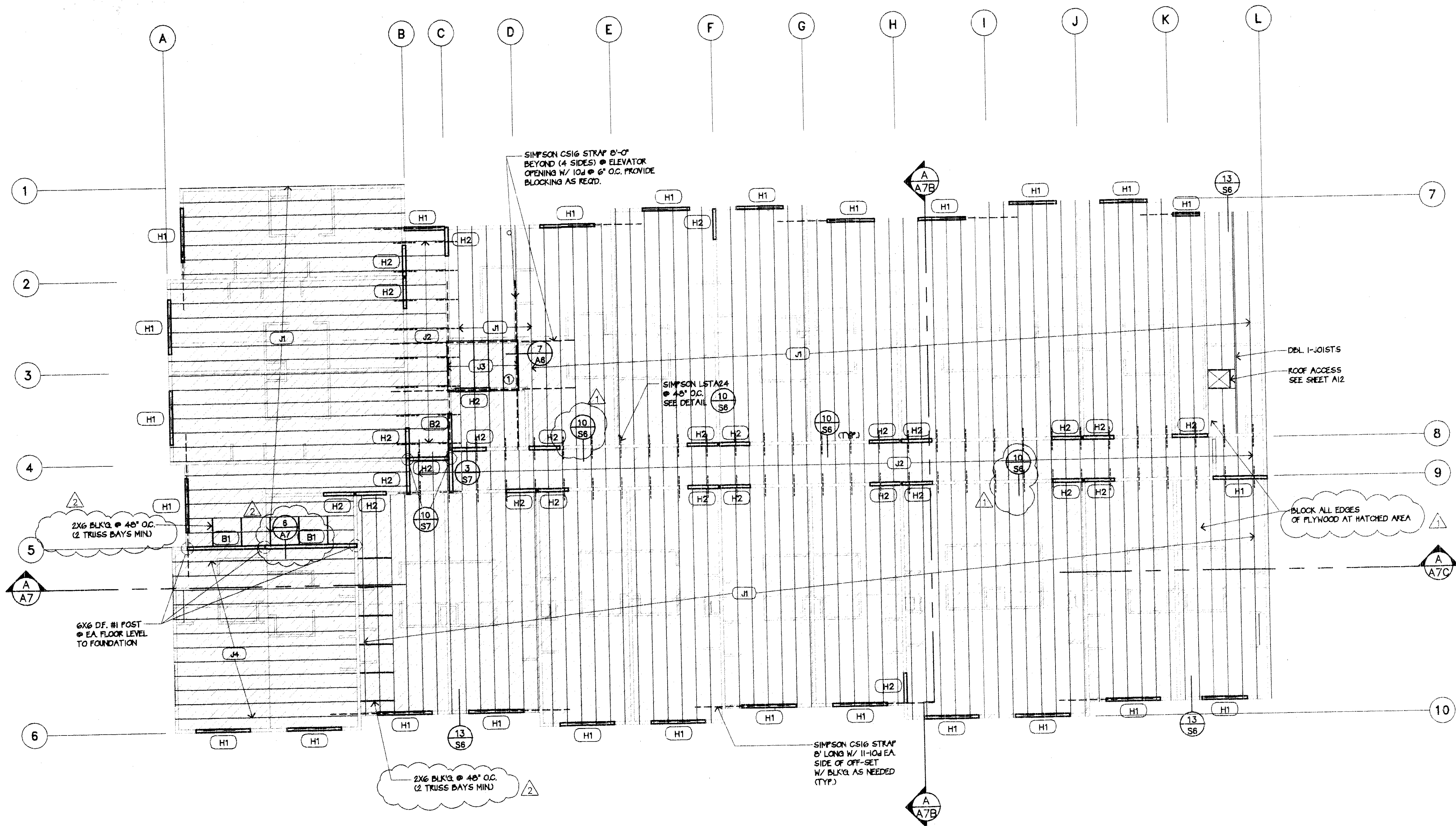
LEE GAGE & ASSOCIATES, INC.
 architecture • engineering • planning
 7836 n. Ingram suite 107 fresno, california 93711 phone (559) 439-2222

HAWTHORN SUITES LTD.
 1000 WEBSTER STREET
 ALAMEDA, CA 94601
 1940 FRANCISCAN WAY, SUITE #10
 ALAMEDA, CA 94601 PHONE/FAX (510) 814-9981

PROPOSED: 07/09/02
 OWNERS: 07/09/02

RECEIVED
 LEE GAGE & ASSOCIATES, INC.
 07/09/02
 11-31-03
 STATE OF CALIFORNIA
 CENTRAL PLANNING OFFICE
 ALAMEDA, CA 94601

54
 SHEET
 OF



UPPER ROOF
SCALE 1/8"=1'-0"

BEAM & JOIST SCHEDULE			
CALC. SYMB.	BEAM NO.	BEAM SIZE	REMARKS
	J1	JOIST TAPERED 12" TO 22"	TRUSJOIST/L60T
	J2	2X4 D.F. #2 @ 24" O.C.	
	J3	2X6 D.F. #2 @ 24" O.C.	• ELEVATOR
	J4	TJ 11 7/8" PRO 250 @ 24" O.C.	TRUSJOIST
H1	H1	6X8 D.F. #2	
H2	H2	6X8 D.F. #2	
B1	B1	5 1/4" X 11 7/8" PSL	TRUSJOIST
B2	B2	6X12 D.F. #2	

NOTE:
PROVIDE TRIMMER SAME DIMENSION AS WALL UNDER ALL HEADERS & DOUBLE TRIMMERS FOR HEADERS 8' TO 15' SPAN.

PROVIDE 4X POST UNDER ALL 3 1/2" WIDE PSL WHICH SPAN OVER 15'

PROVIDE 6X POST UNDER ALL 6X LUMBER 5 1/8" GLU-LAM 5 1/2" PSL & 7" PSL HEADERS, BEAMS, WITH SPANS OVER 15'

SUBMIT TWO COPIES OF TRUSS SHOP DRAWINGS, LAYOUT PLAN AND CALCULATIONS WITH DESIGN ENGINEER'S STAMP, AND WET SIGNATURE, REVIEWED AND APPROVED BY PROJECT ENGINEER TO BLDG. DIV. FOR APPROVAL AT LEAST TWO WEEKS PRIOR TO CONSTRUCTION

NOTE:
USE 19/32" THK. TYPE C-D PLYWOOD (OR O.S.B.) ROOF SHEATHING NAIL W/10d @ 8" O.C. AT SUPPORTED EDGES & @ 12" O.C. FIELD NAILING
-RUN PLYWOOD PERPENDICULAR TO FRAMING (TYP.)

ACTUAL TRUSS DESIGN BY TRUSS MANUFACTURER. THESE DRAWINGS SHOW OVERALL DIMENSIONS OF TRUSSES ONLY.

TRUSS DRAWINGS TO BE SUBMITTED WITHIN 30 DAYS OF PERMIT ISSUANCE. NO INSPECTIONS WILL BE MADE IF TRUSS DRAWINGS ARE NOT SUBMITTED WITHIN 30 DAYS OF PERMIT ISSUANCE. (TRUSS DRAWINGS TO BE SUBMITTED BY TRUSS MANUFACTURER)

ROOF JOIST
20#/S.F. LL
15#/S.F. DL (SPRINKLER PIPING INCLUDED)

PROVIDE ADDITIONAL TRUSSES (AS NECESSARY) FOR ROOF EQUIPMENT SUPPORT. (VERIFY LOCATIONS W/MECHANICAL CONTRACTOR)

TJ ROOF JOISTS & TJ FLOOR JOISTS SHALL BE BY DEFERRED SUBMITTALS
TRUSS MANUFACTURER SHALL PROVIDE COMPLETE TRUSS DRAWINGS AND CALCULATIONS TO THE PROJECT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO SUBMITTING TO LOCAL GOVERNING AUTHORITY/BUILDING DEPT. FOR APPROVAL, PRIOR TO FABRICATION AND ERECTION.

GENERAL CONTRACTOR SHALL FURNISH ALL BRIDGING, BRACING, AND ALL OTHER TRUSS RELATED SUPPORT ITEMS AS REQUIRED FOR COMPLETE INSTALLATION OF TRUSSES AS RECOMMENDED BY THE TRUSS MANUFACTURER.

PROVIDE EXTRA ROOF JOIST AS NEEDED TO TRANSFER ROOF DIAPHRAGM TO SHEAR WALLS SEE DETAIL 3/S6

KEY NOTES

- 2X6 RAFTER FRAMING @ 24" O.C. W/ MIN. 4'-0" ABOVE CEIL. CHECK W/ ELEV. MANUF. FOR REQ'TS.

REVISED

RECEIVED

MIG - 1 2002

CENTRAL PERMITS OFFICE
ALAMEDA, CA 94601

REVISIONS PER CITY OF ALAMEDA
7/31/02

REVISIONS PER CITY OF ALAMEDA
7/3/02

JUL 31 2002



ROOF FRAMING PLAN

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

LEE GAGE & ASSOC., INC.

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

THESE DRAWINGS ARE THE SOLE & EXCLUSIVE PROPERTY OF LEE GAGE & ASSOCIATES, INC. AND ARE NOT TO BE REPRODUCED OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF LEE GAGE & ASSOCIATES, INC.



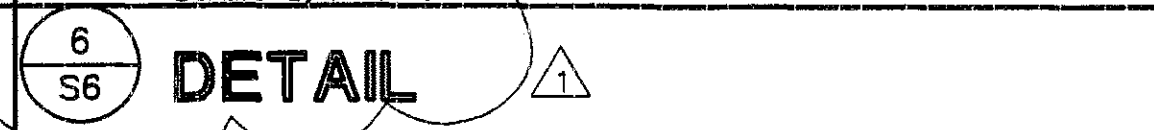
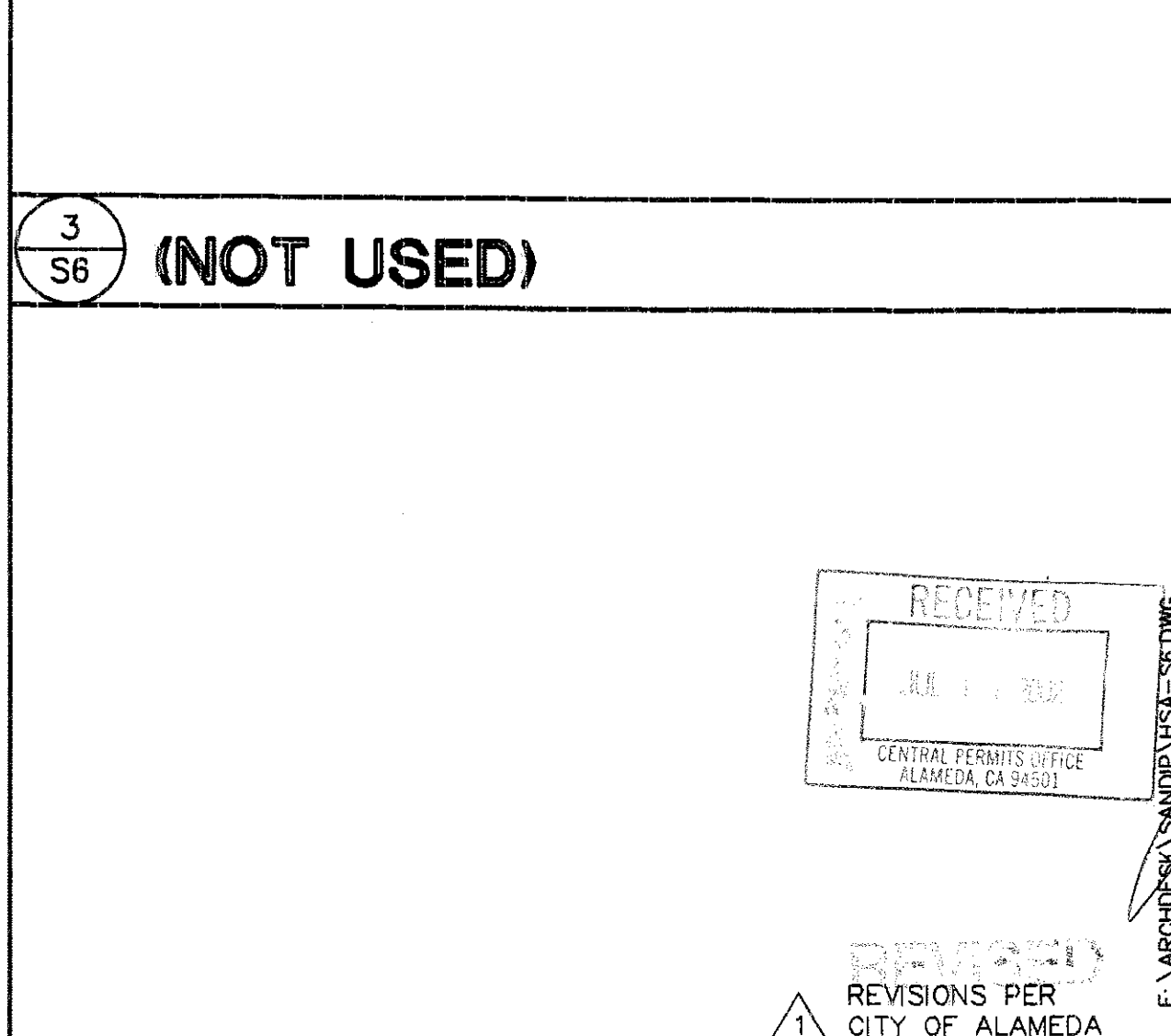
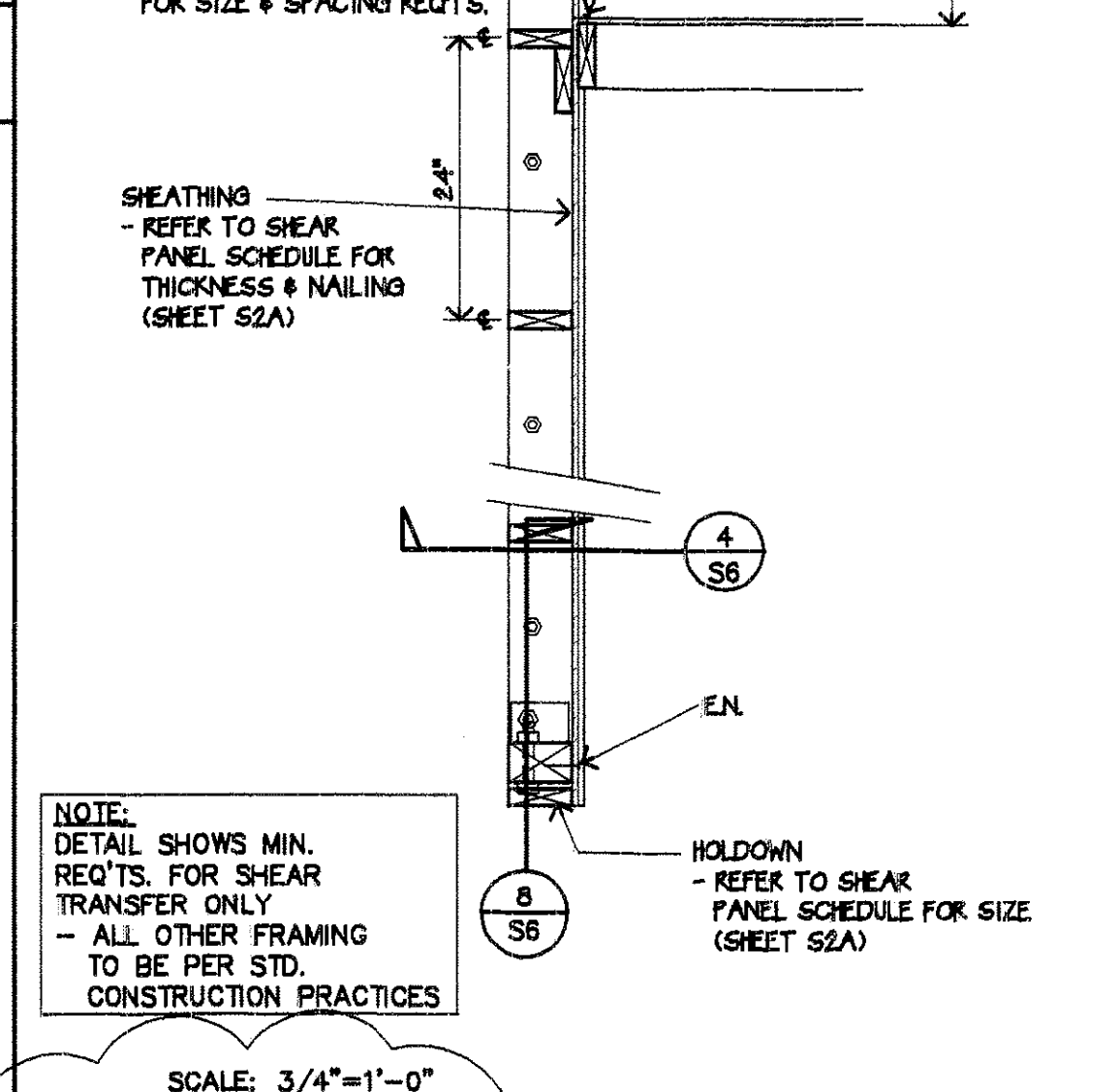
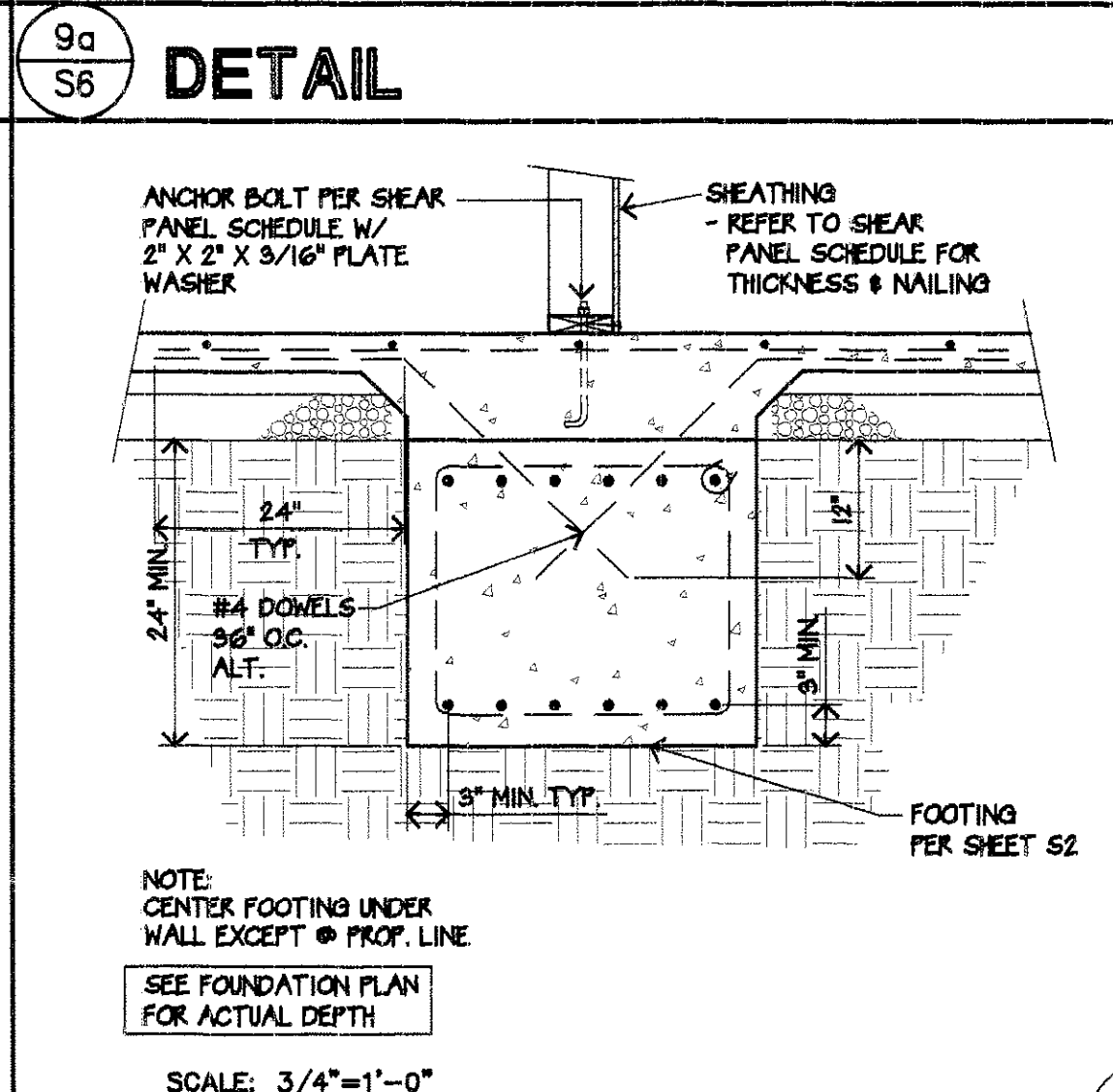
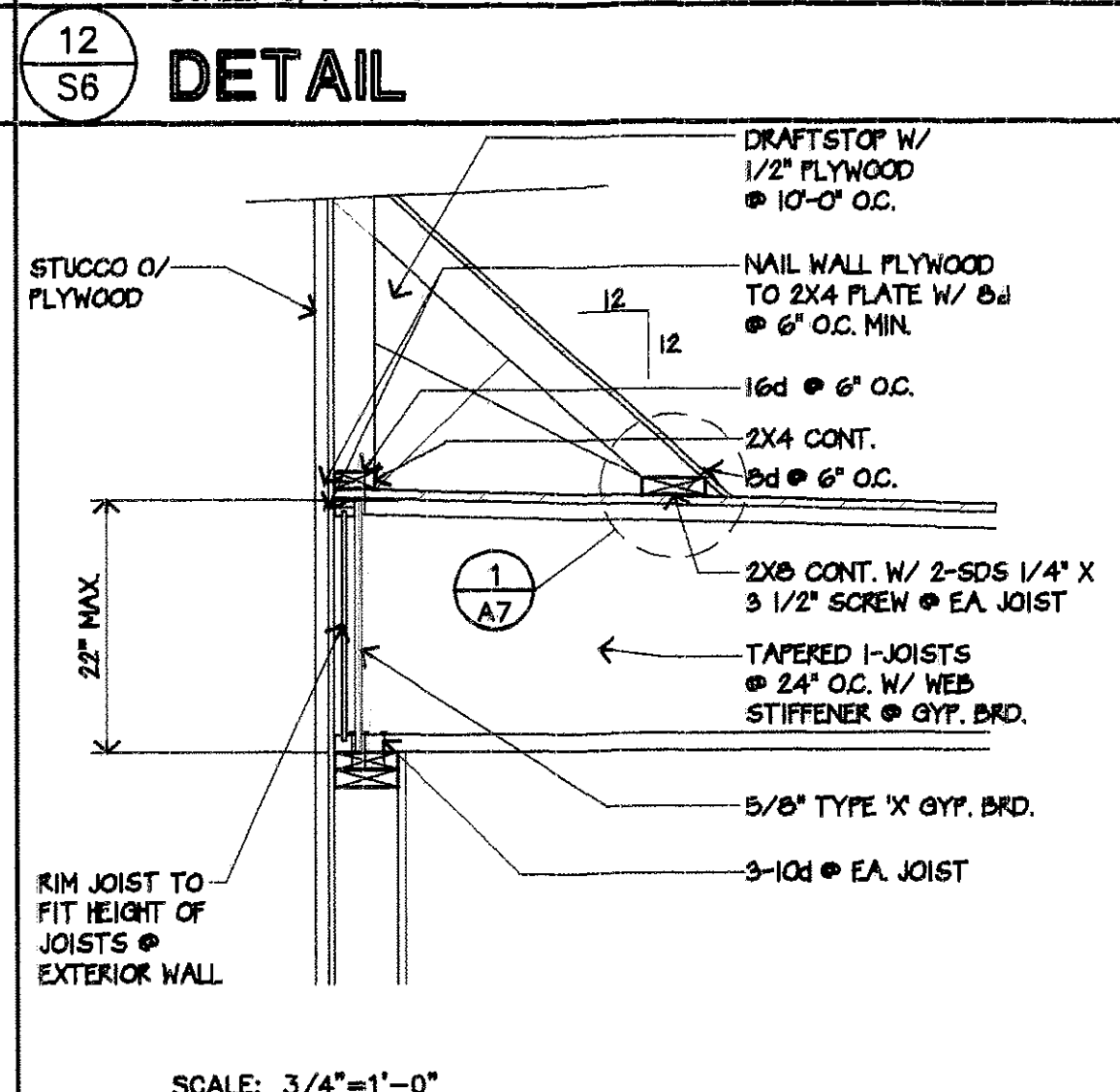
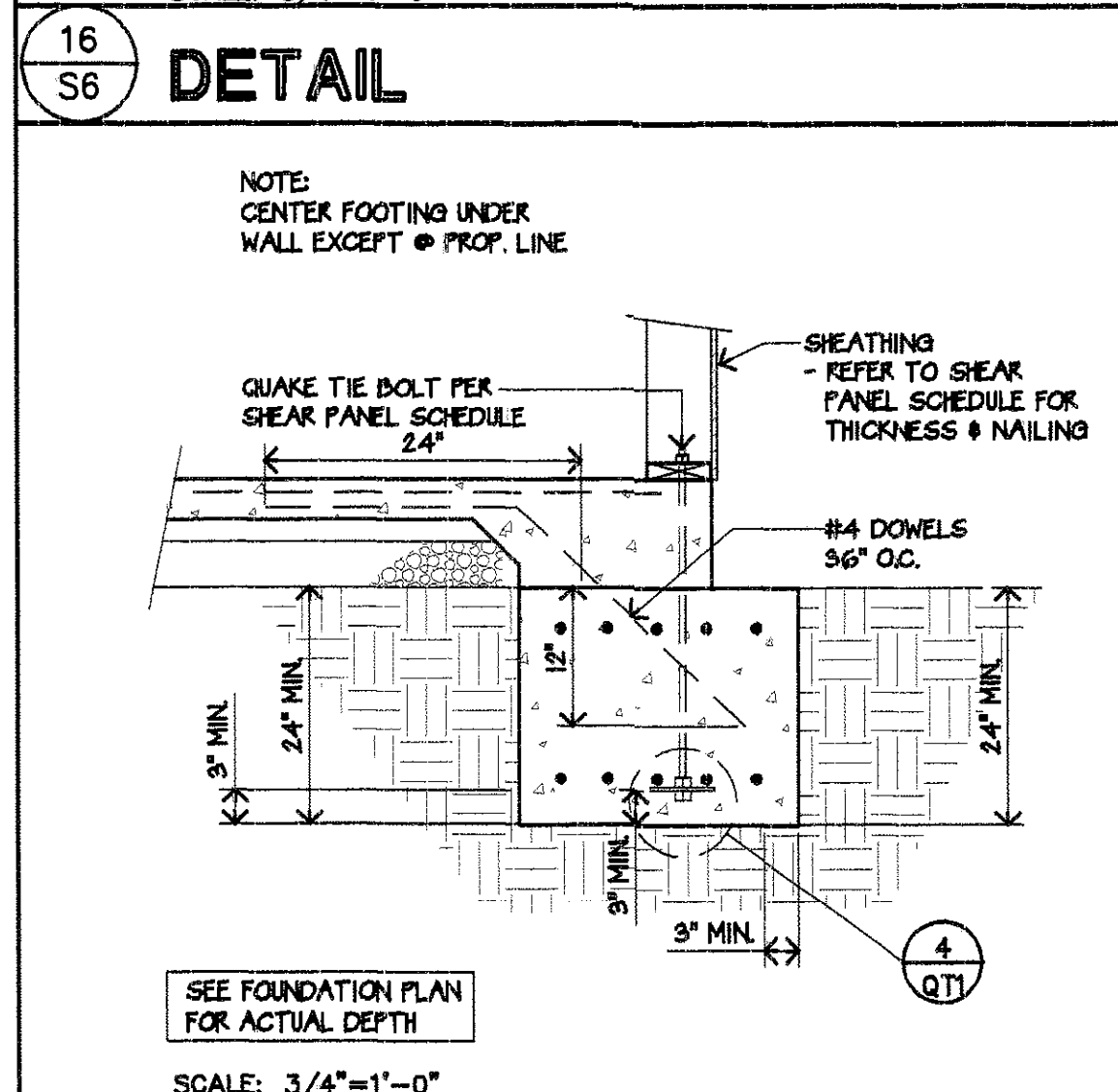
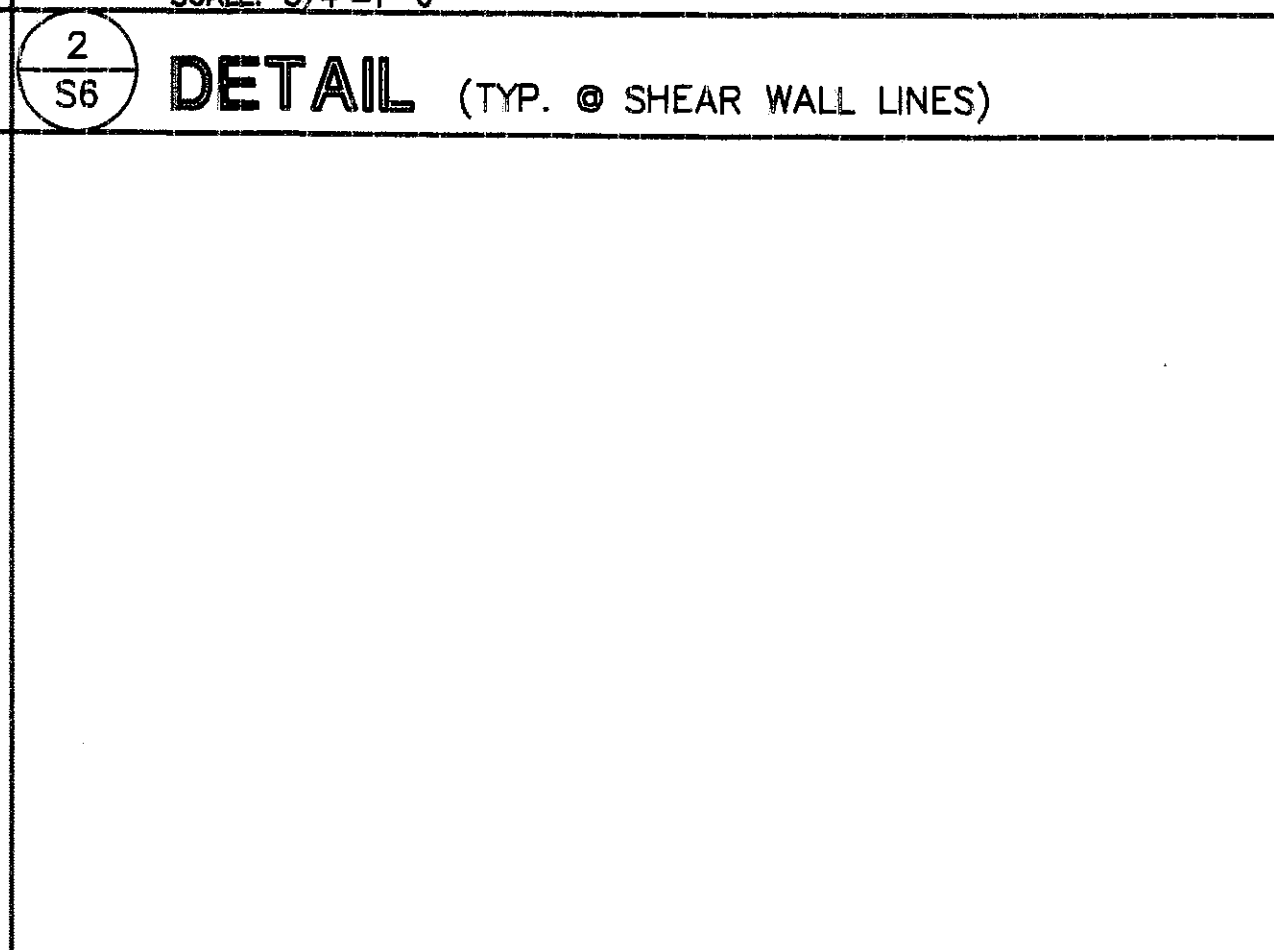
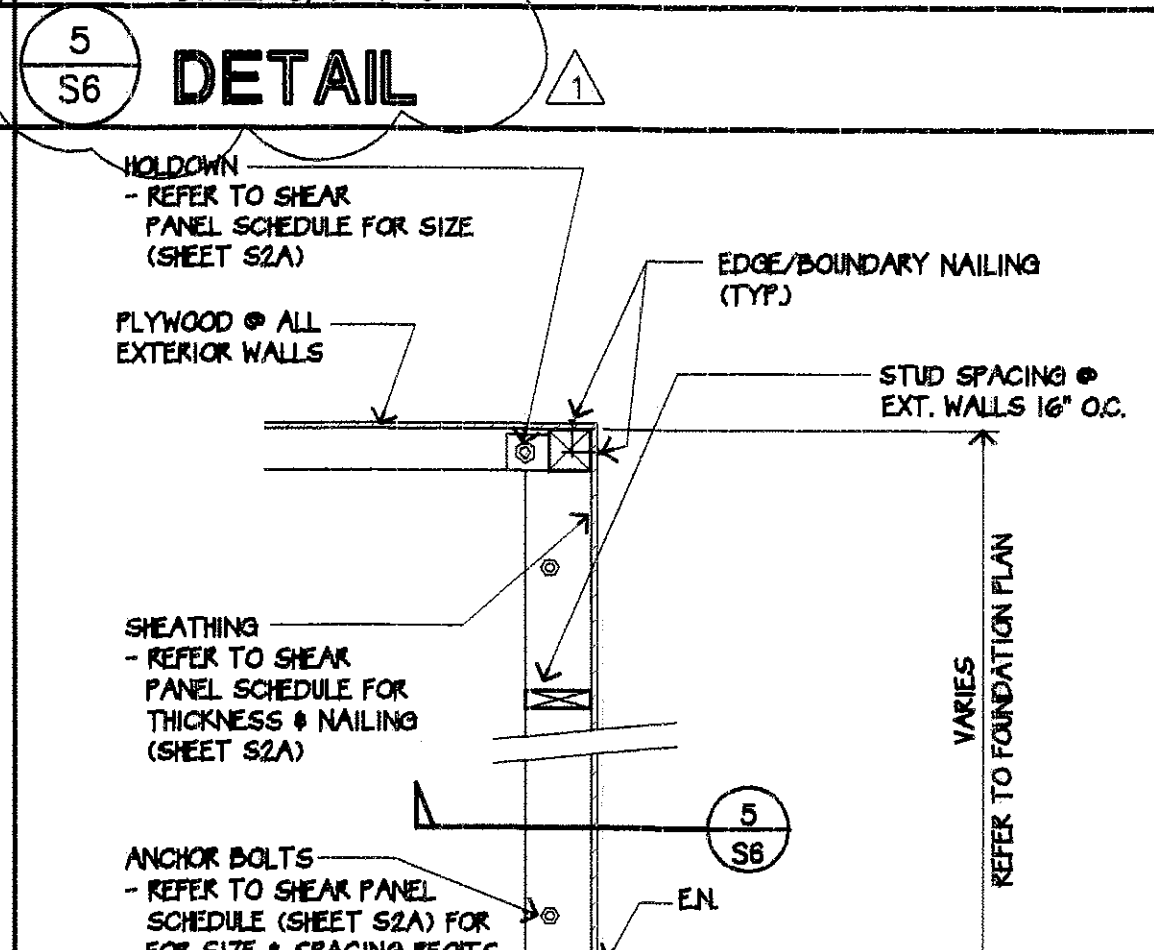
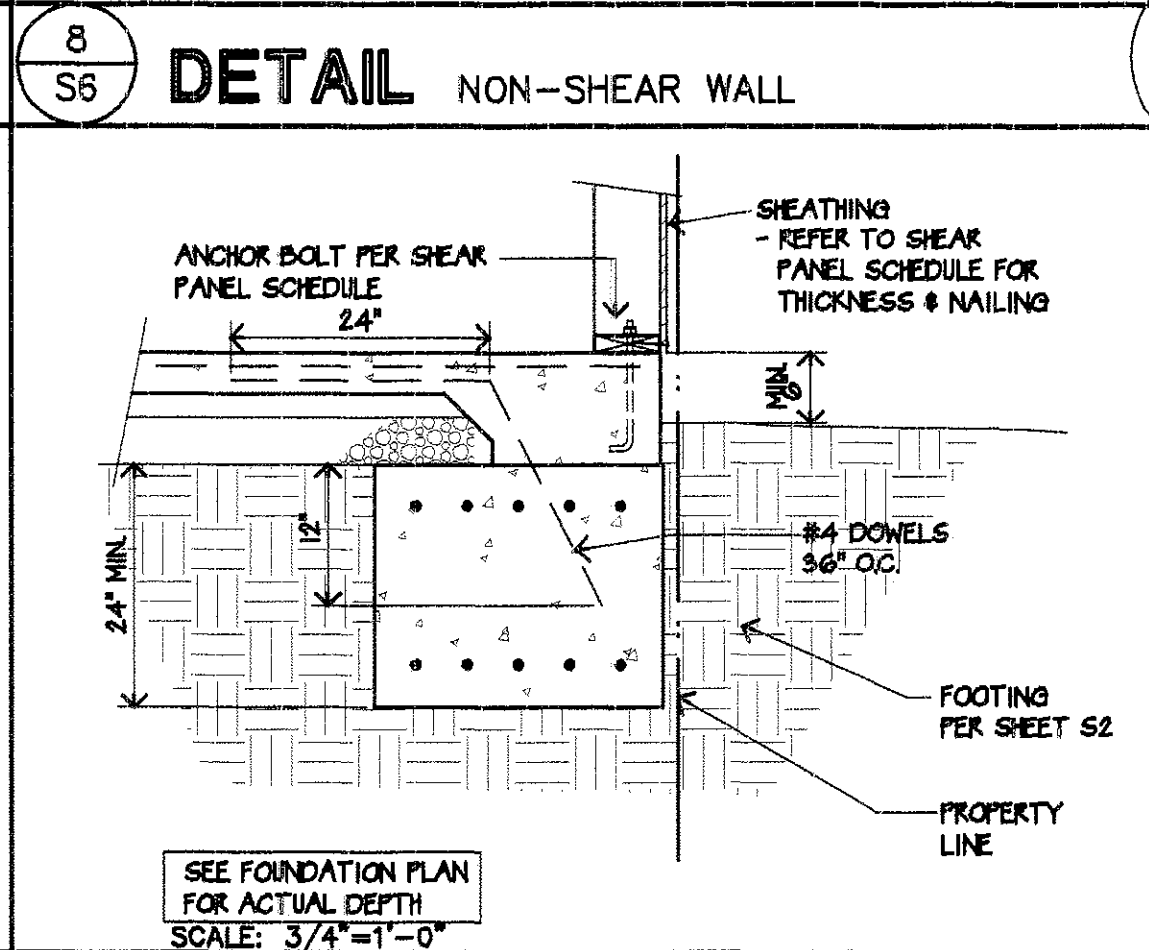
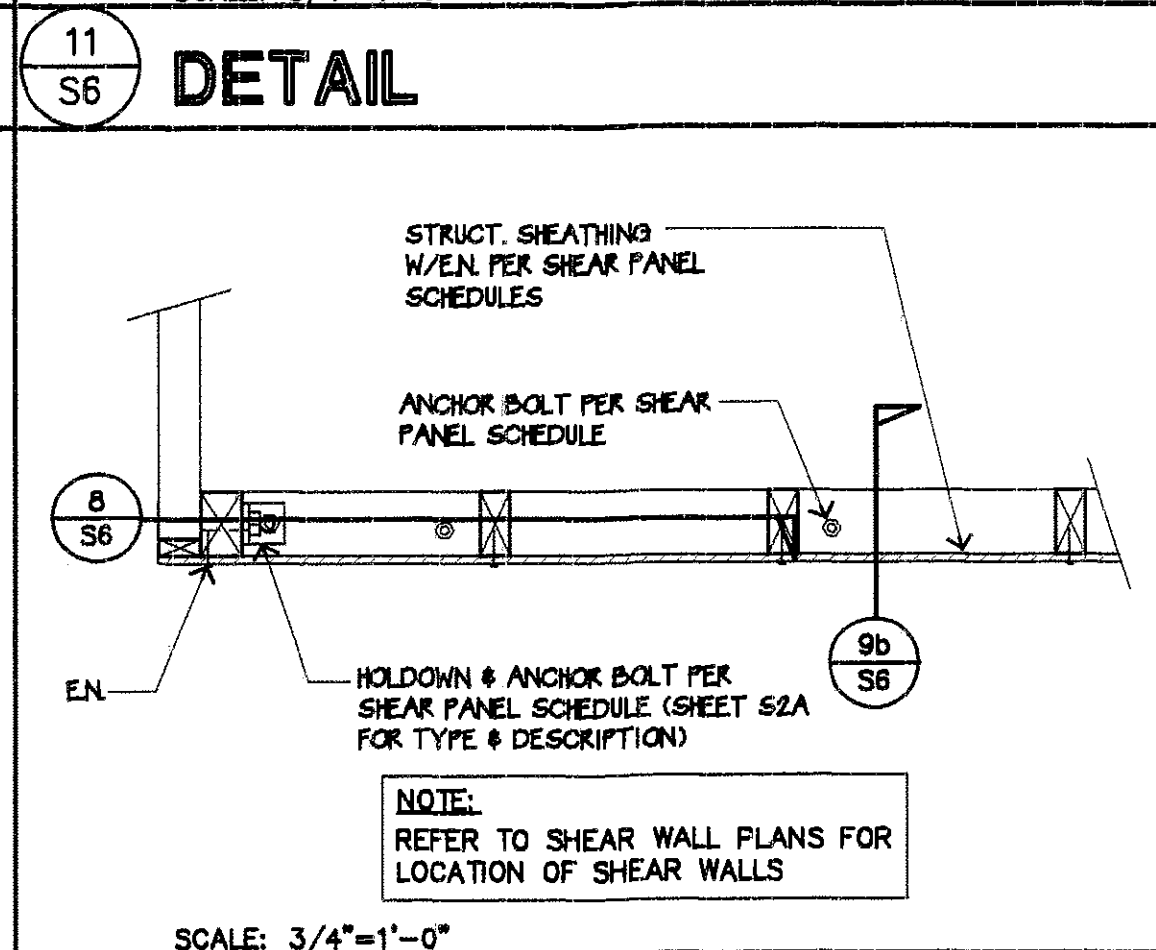
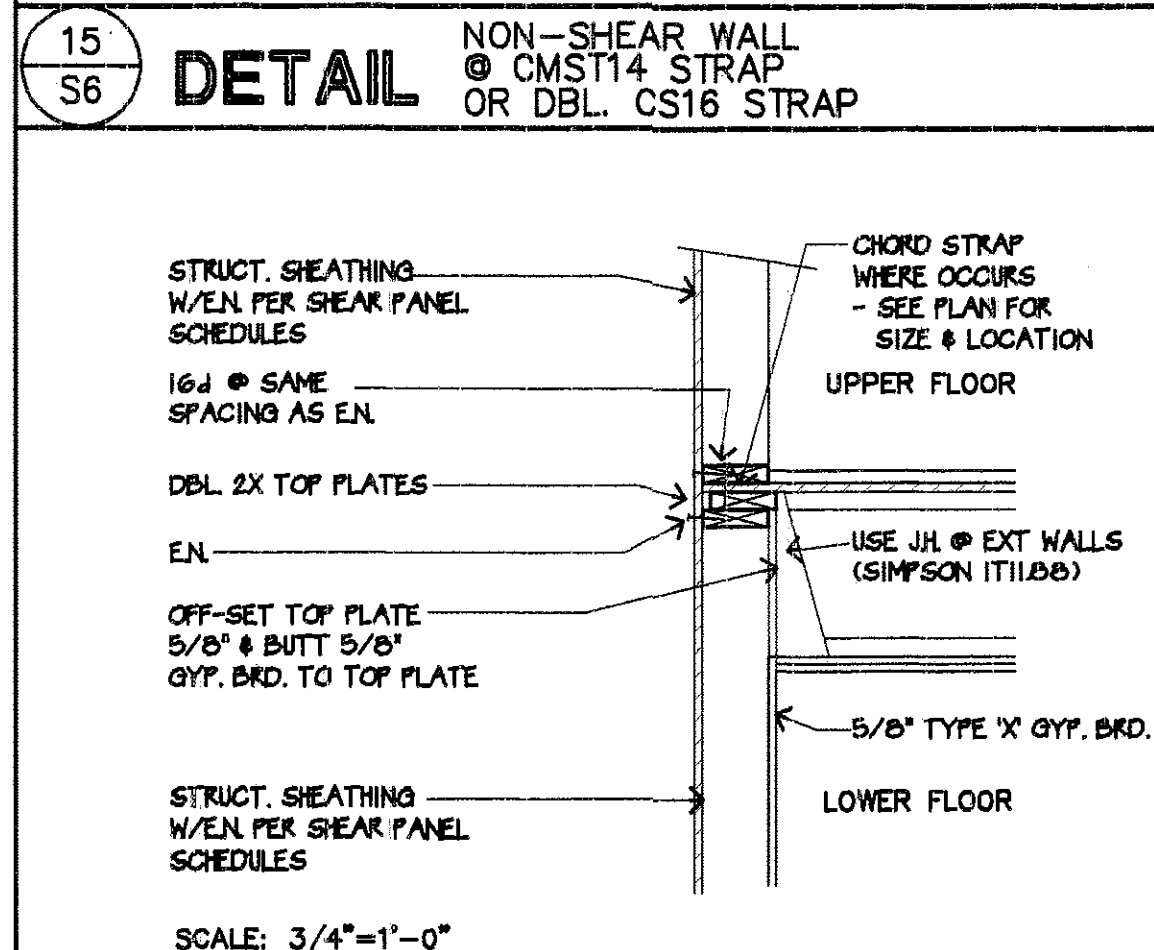
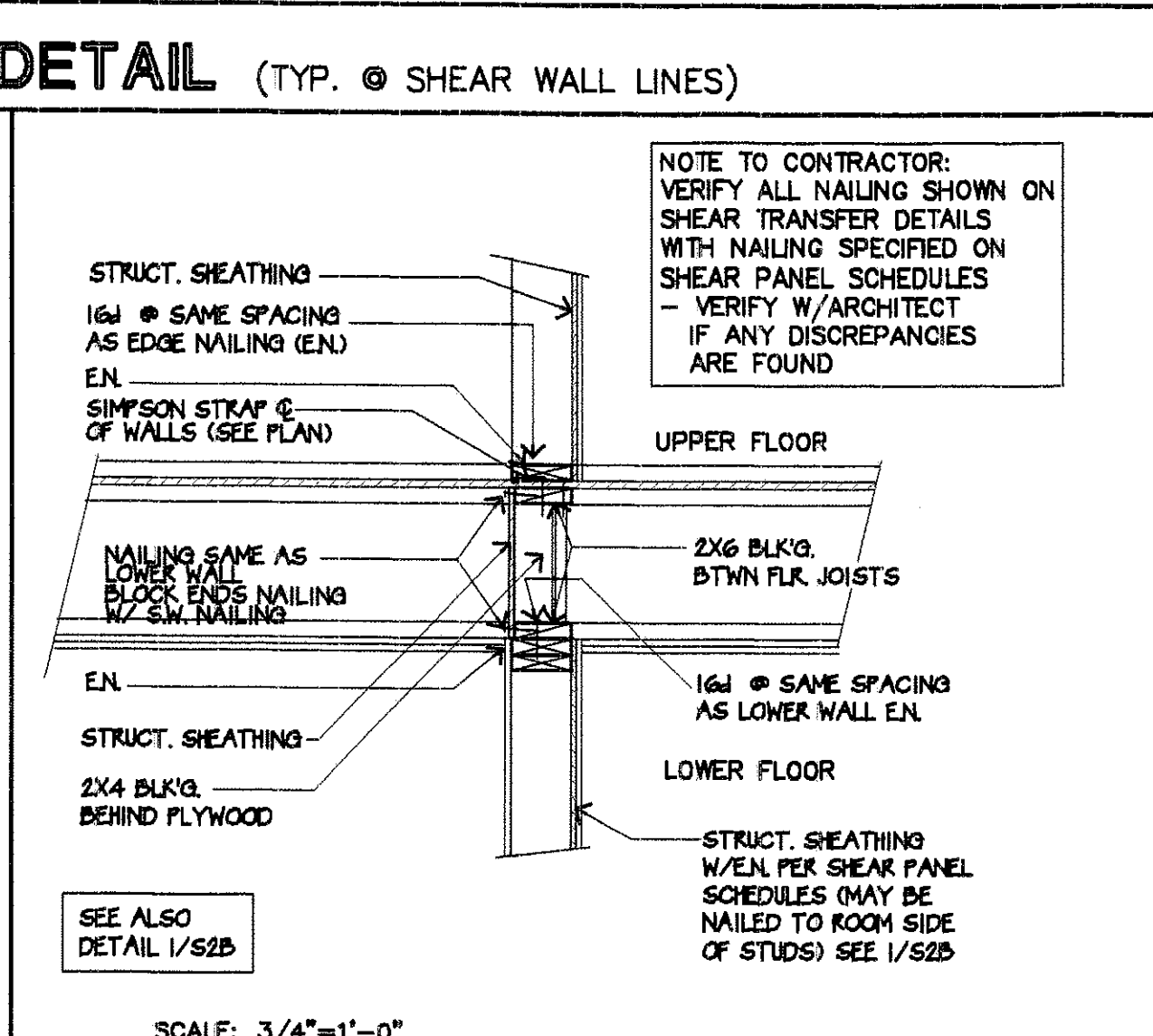
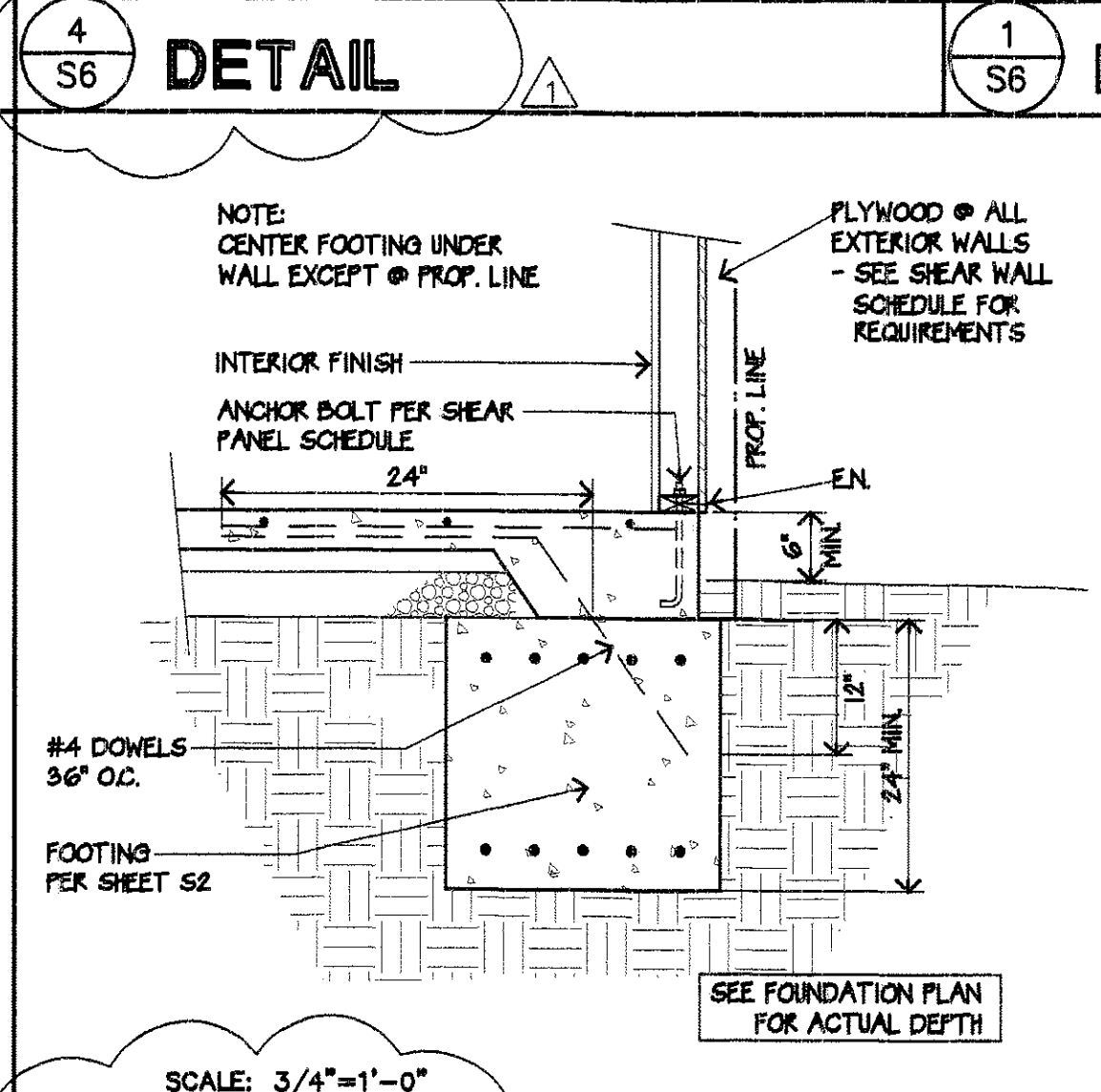
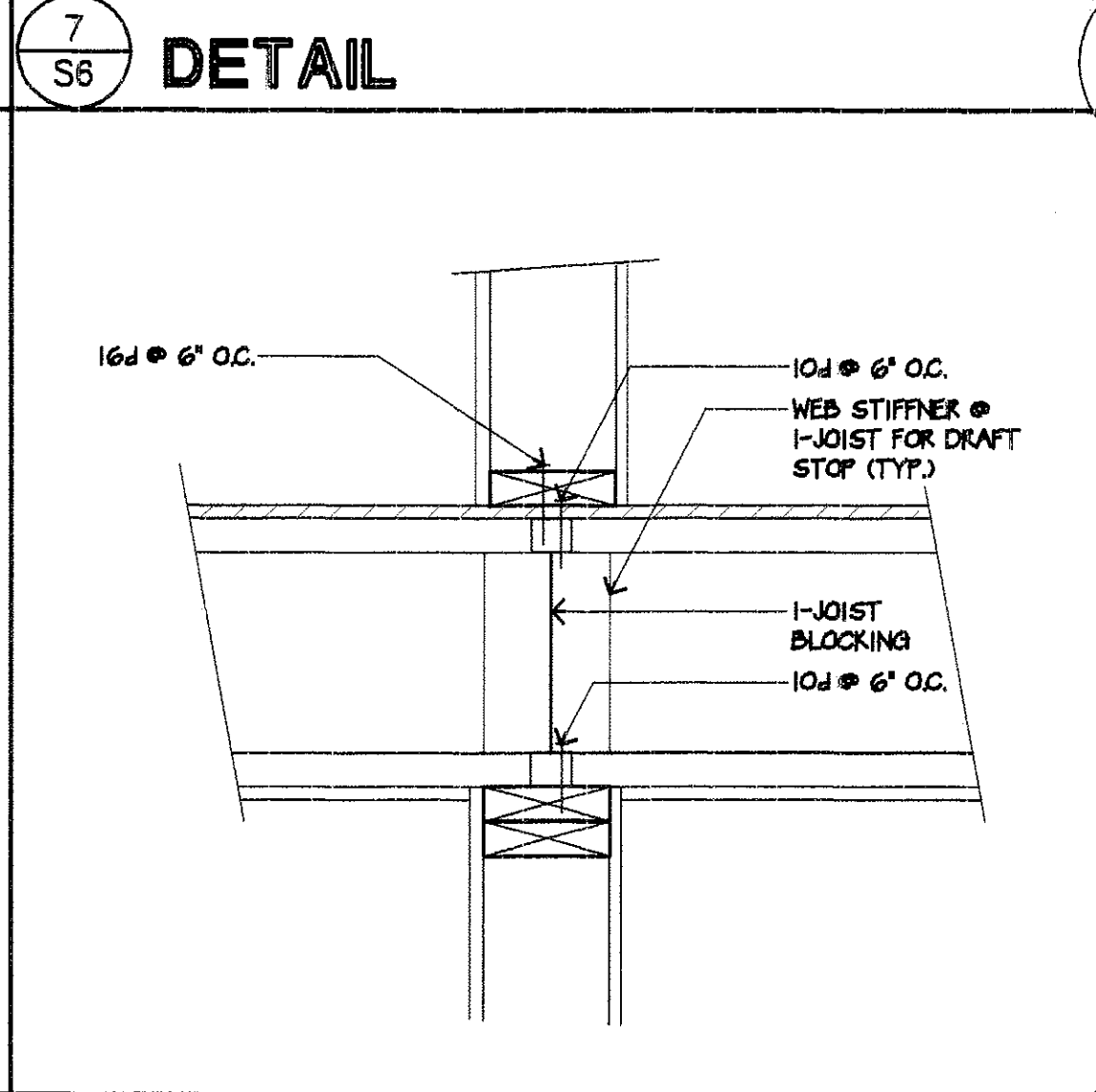
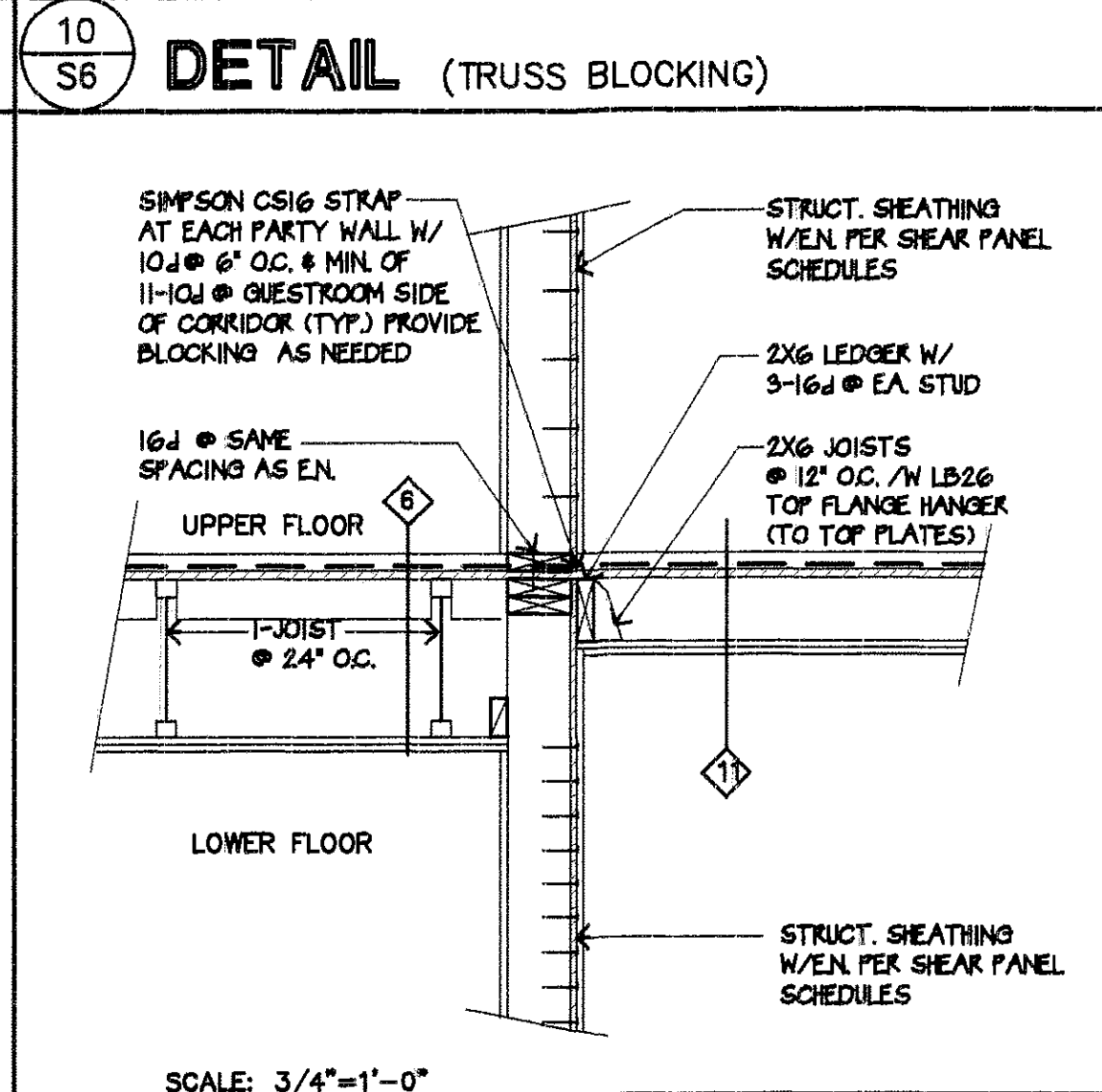
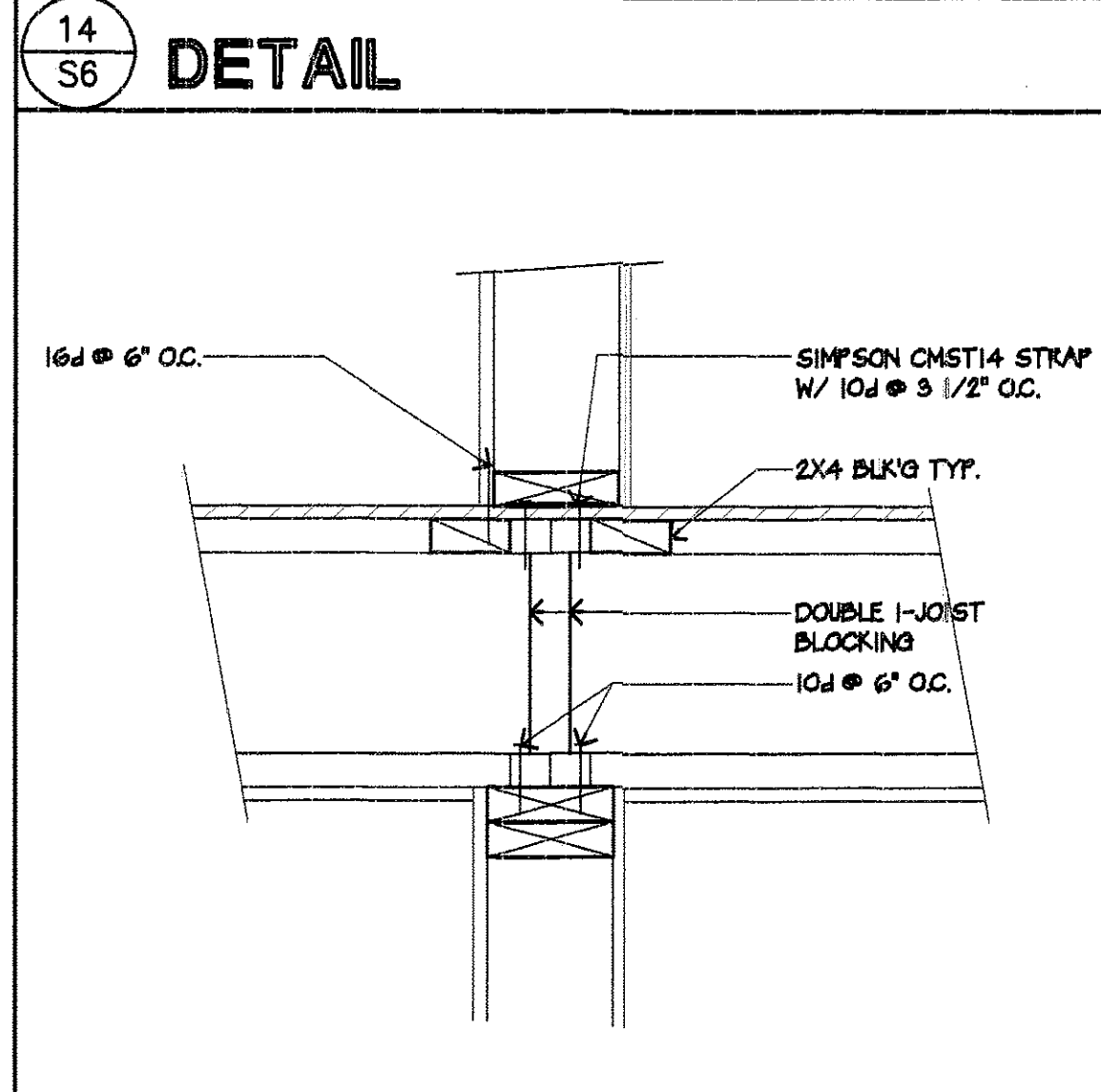
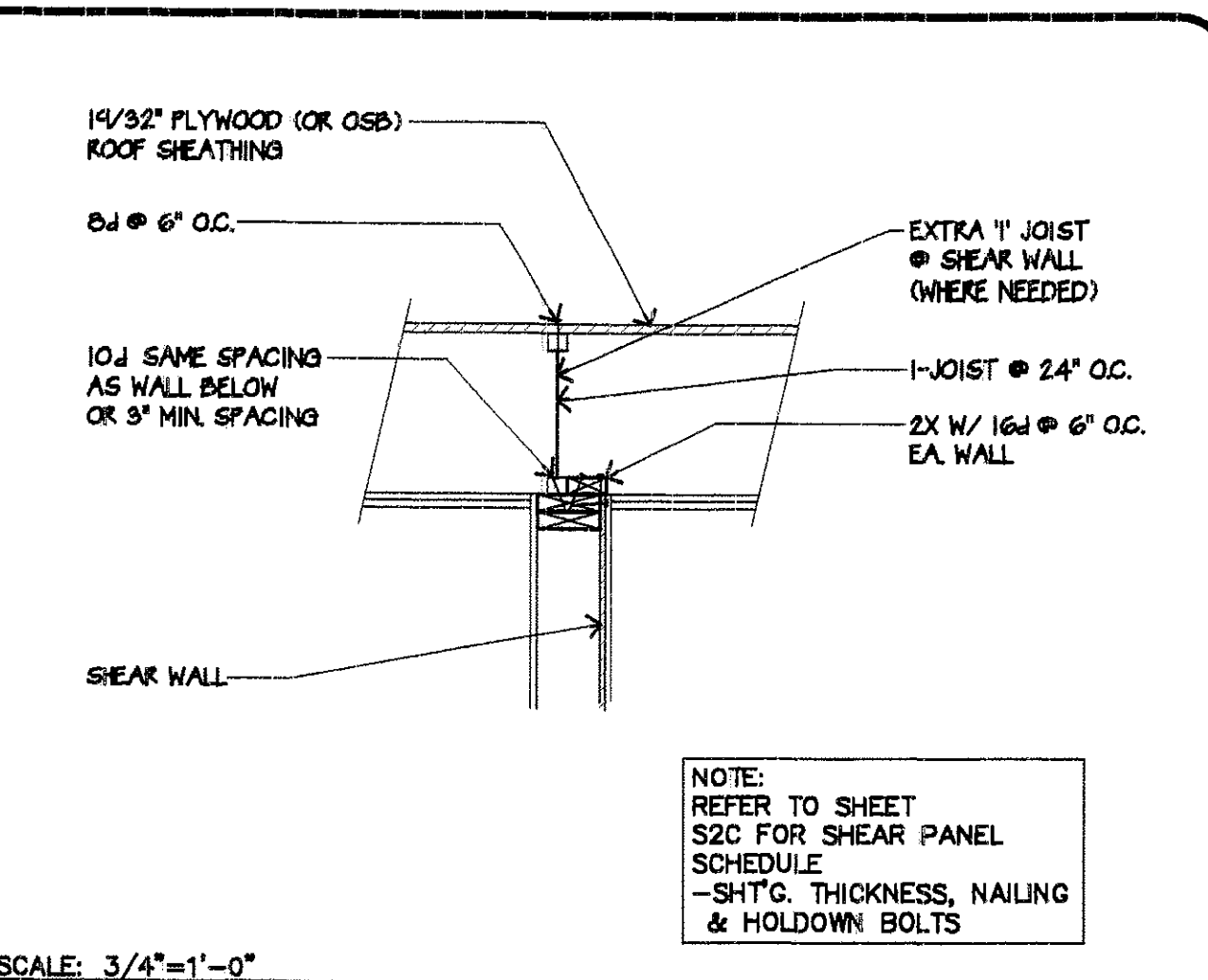
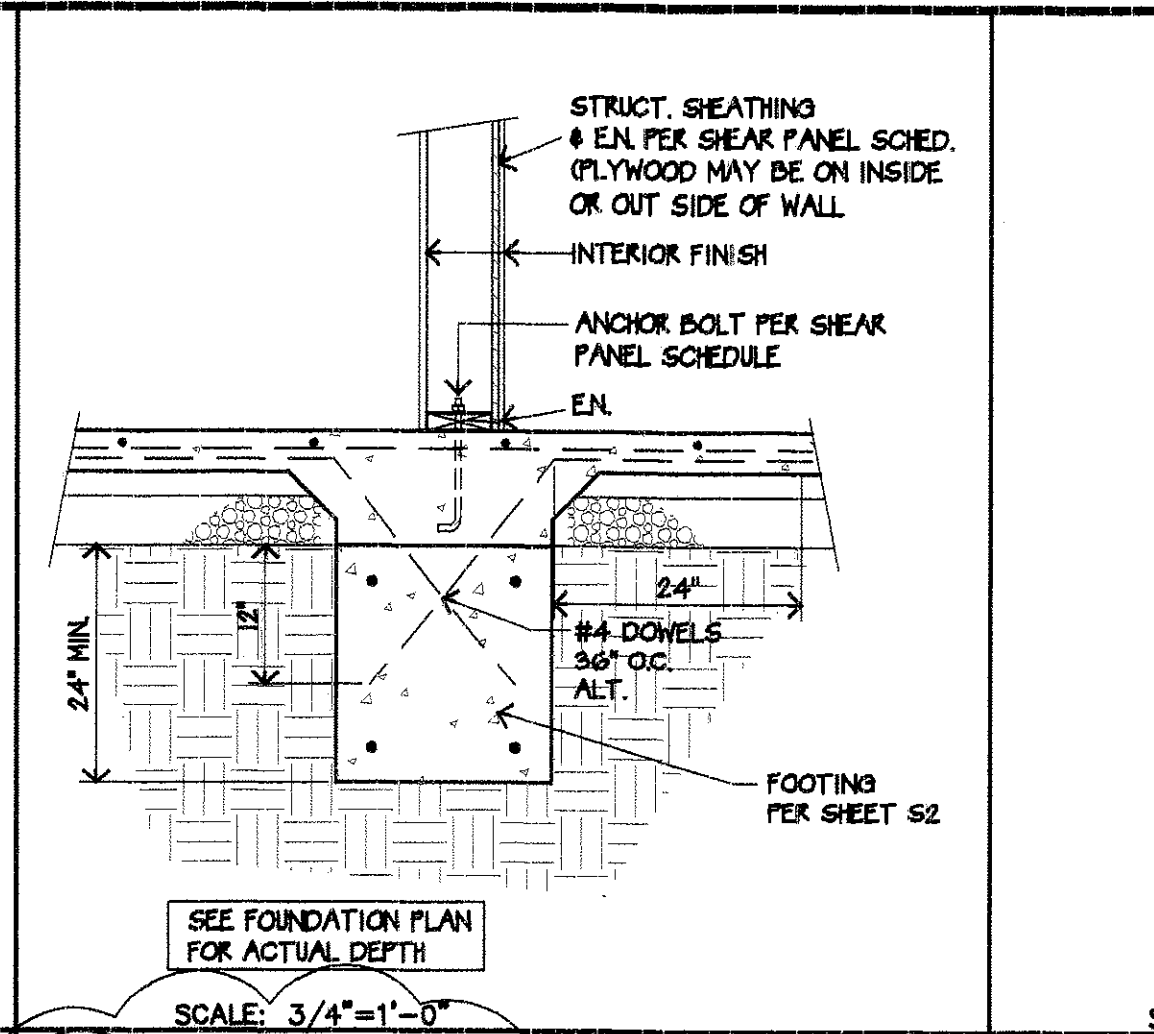
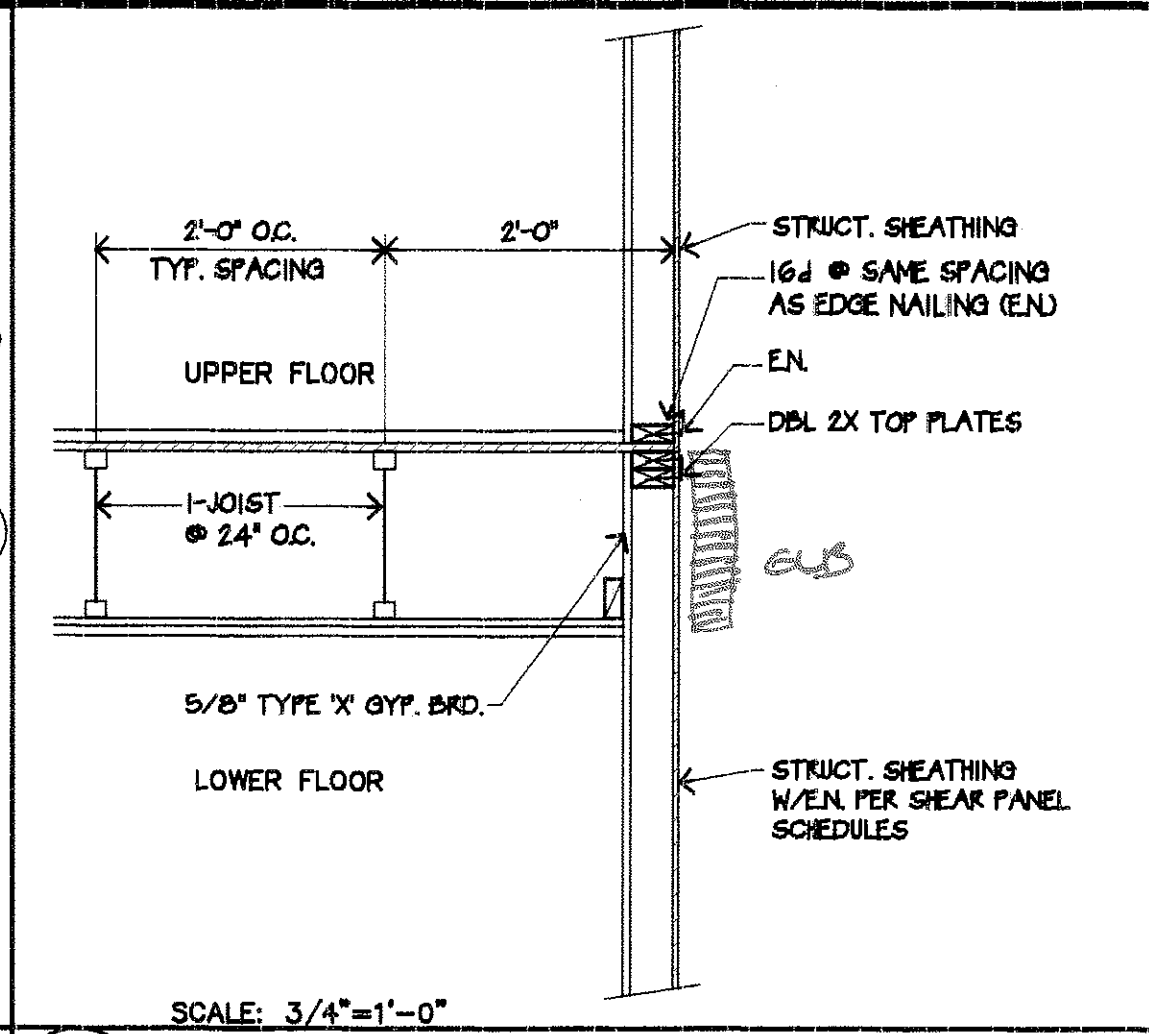
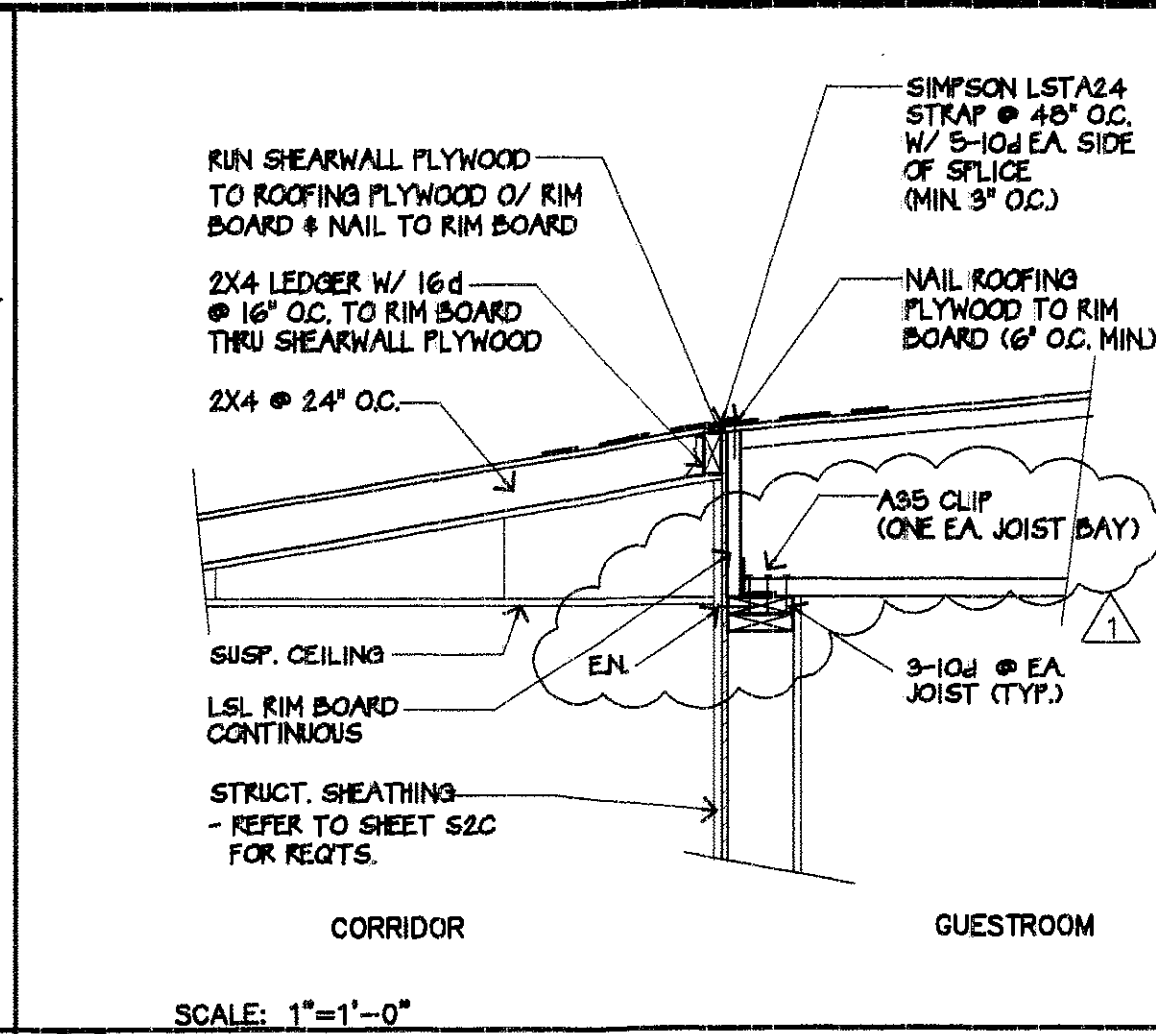
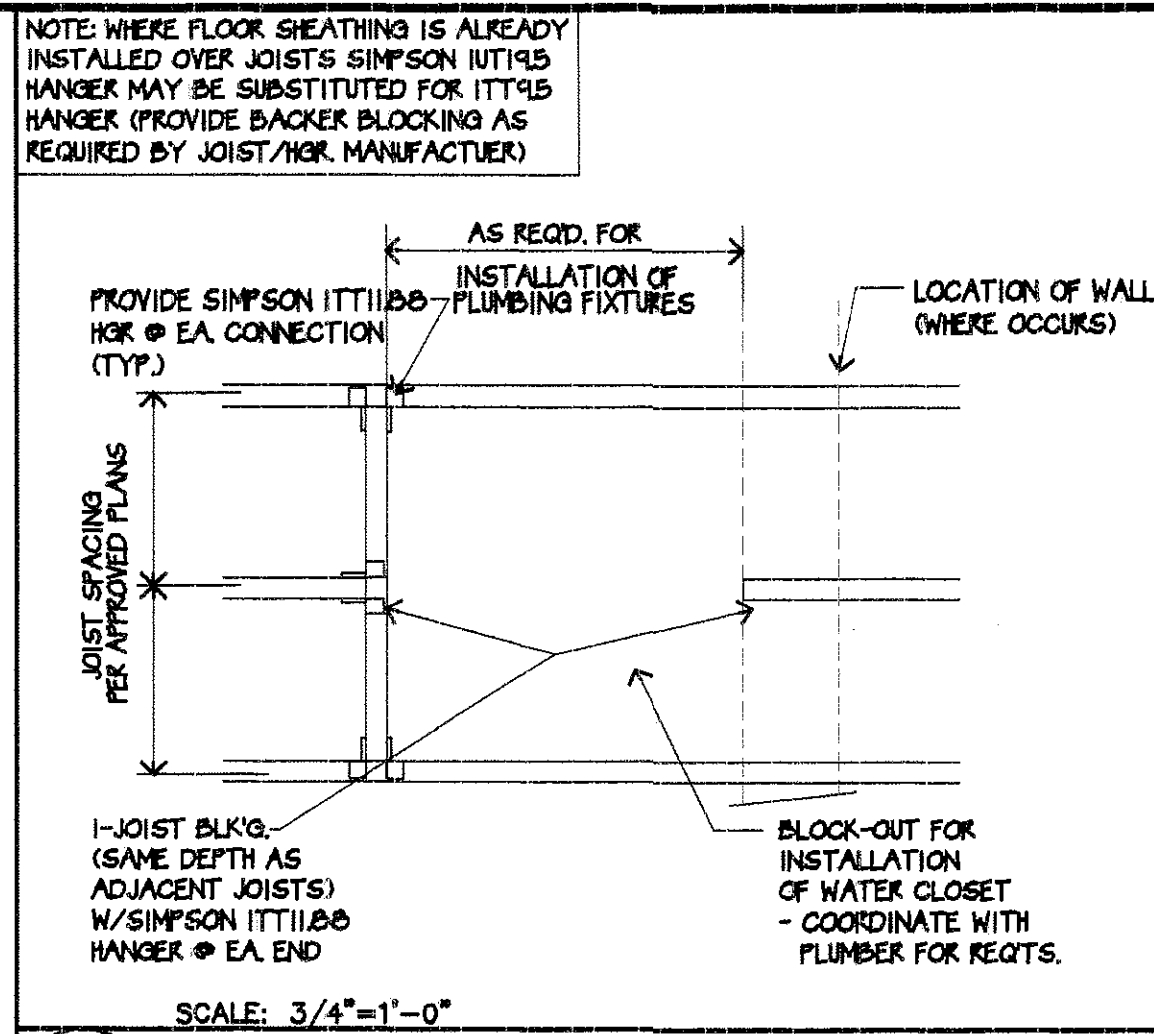
HAWTHORN SUITES LTD.
1820 WEBSTER STREET
ALAMEDA, CA
ALAMEDA HOSPITALITY, LLC
1940 FRANCISCAN WAY
ALAMEDA, CA 94601 PHONE/FAX (415) 814-8801

PROPOSED:
OWNERS:

07/31/02

ARCHITECT: SANDIP HISA-SS-DWG

S5
SHEET
OF



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

RECEIVED
CENTRAL PERMITS OFFICE
ALAMEDA, CA 94601

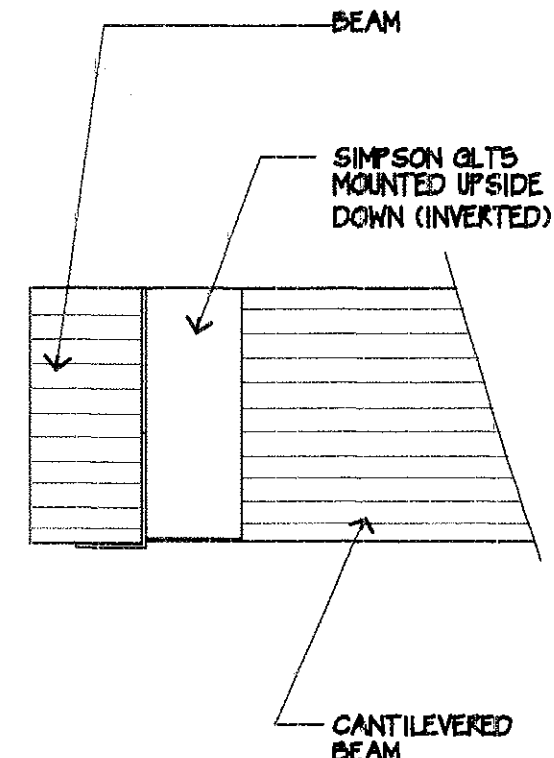
07/10/02

REVISIONS PER CITY OF ALAMEDA 7/3/02

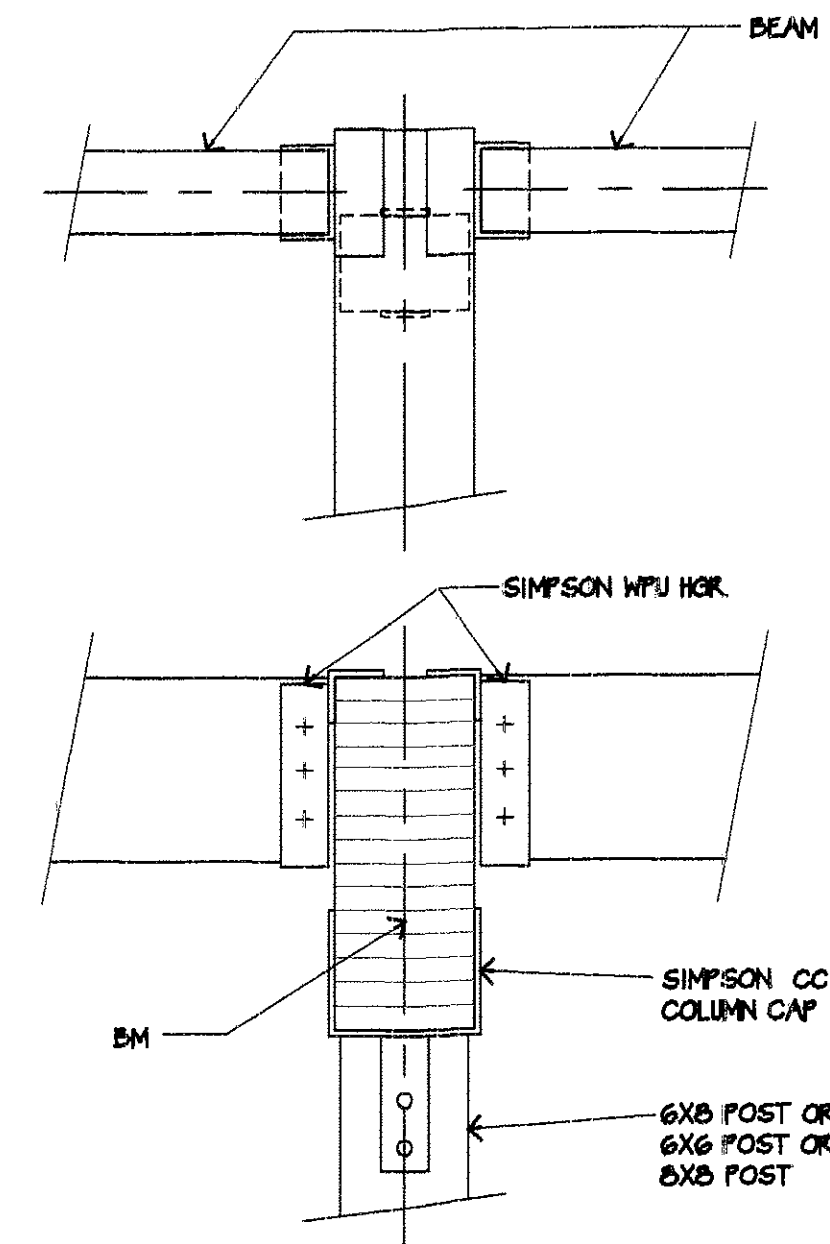
S6
SHEET
OF

PROPOSED: HAWTHORN SUITES LTD., 1628 WEBSTER STREET, ALAMEDA, CA
OWNERS: ALAMEDA HOSPITALITY, LLC, 1940 FRANCISCAN WAY, SUITE #10, ALAMEDA, CA 94601 PHONE/FAX(510) 814-9881

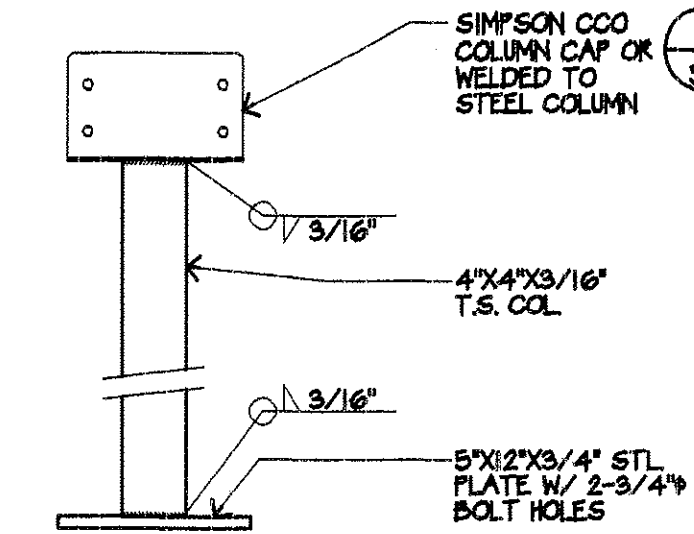
ARCHITECT: LEE GAGE & ASSOCIATES, INC.



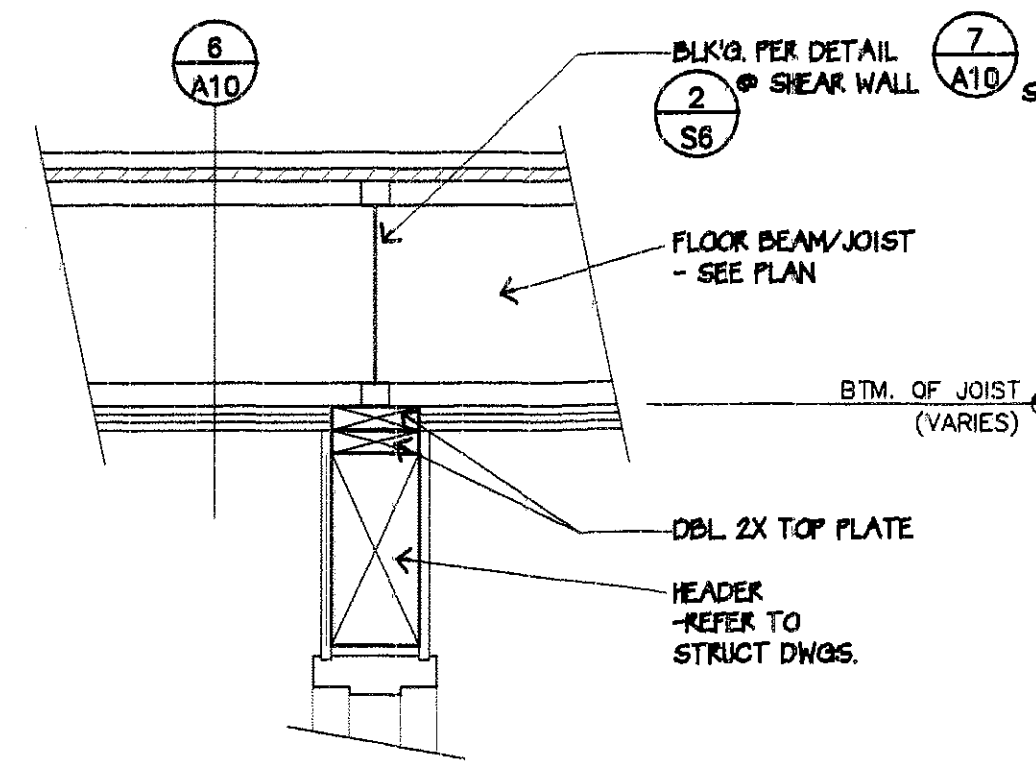
16
S7
DETAIL AT CANTILEVERED BEAM SUPPORT
SCALE: 1"=1'-0"



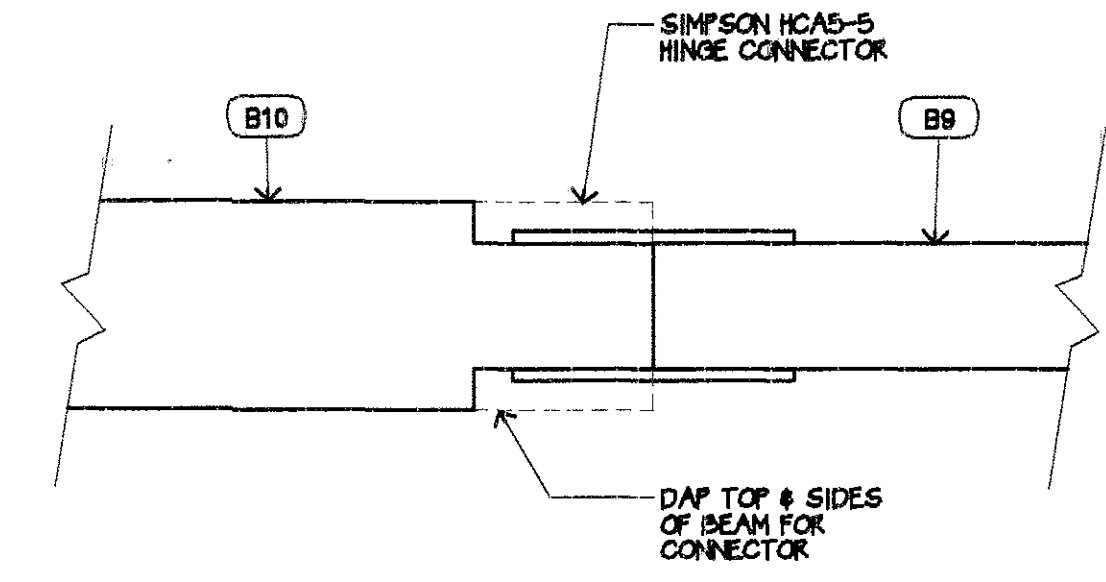
12
S7
DETAIL
SCALE: 1"=1'-0"



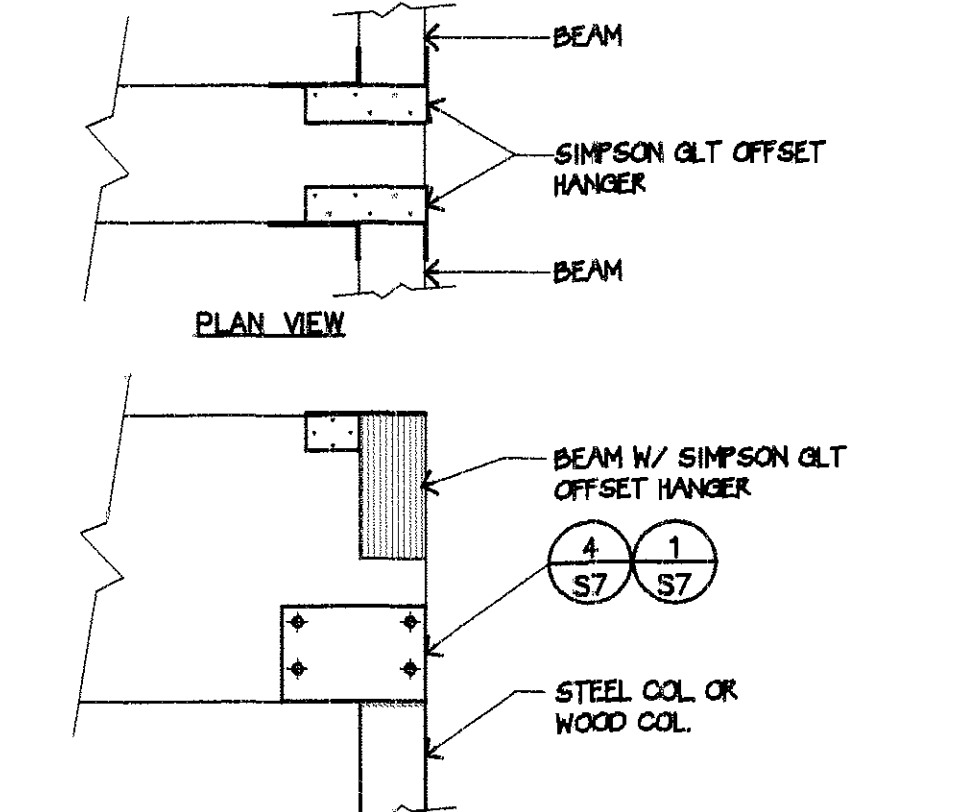
17
S7
DETAIL COLUMN CAP TO STEEL COLUMN
SCALE: 1"=1'-0"



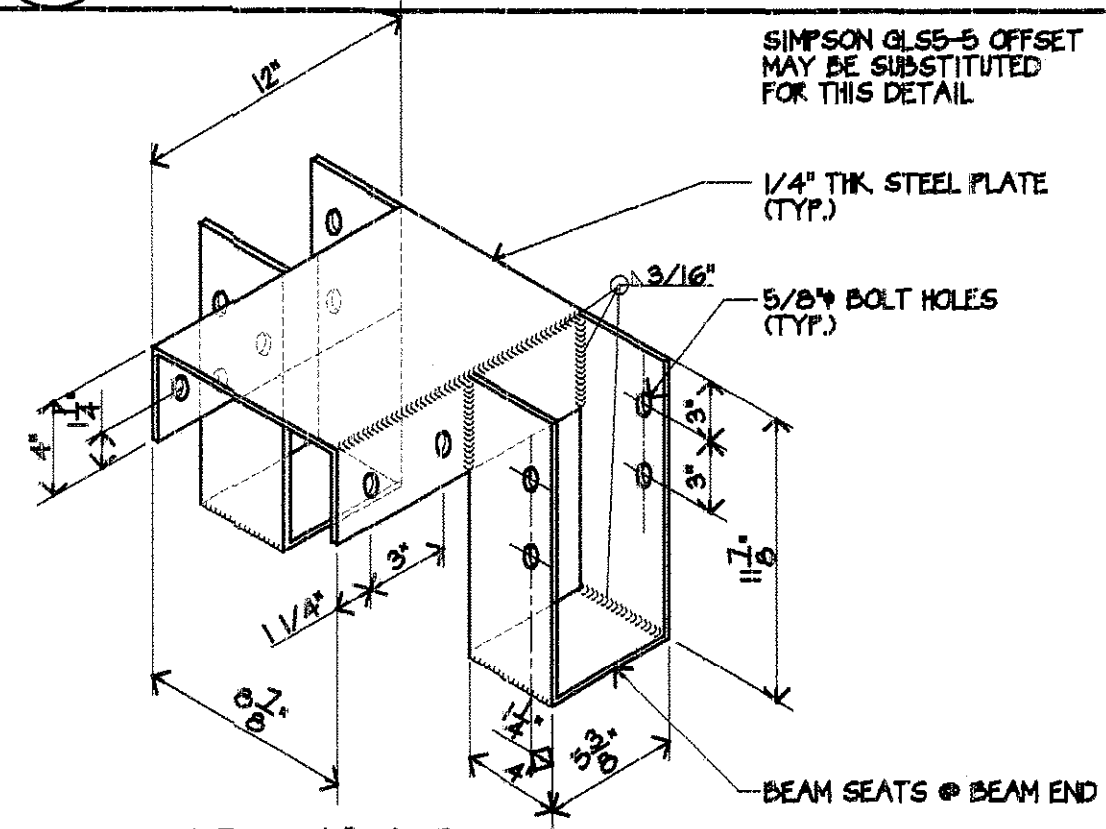
13
S7
DETAIL
SCALE: 1"=1'-0"



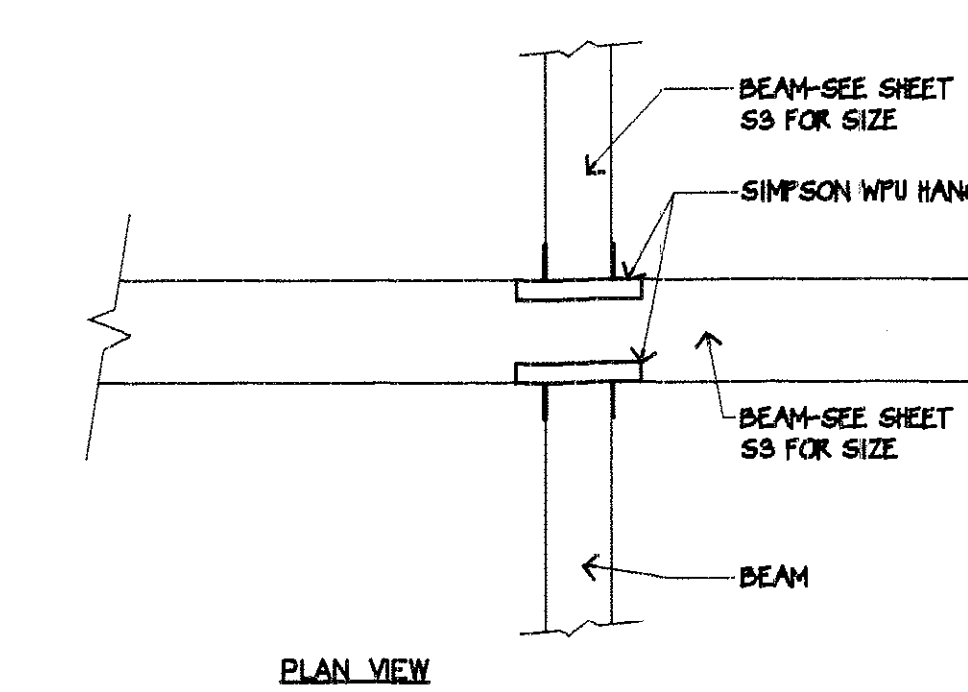
18
S7
DETAIL HINGE CONNECTOR
SCALE: 1 1/2"=1'-0"



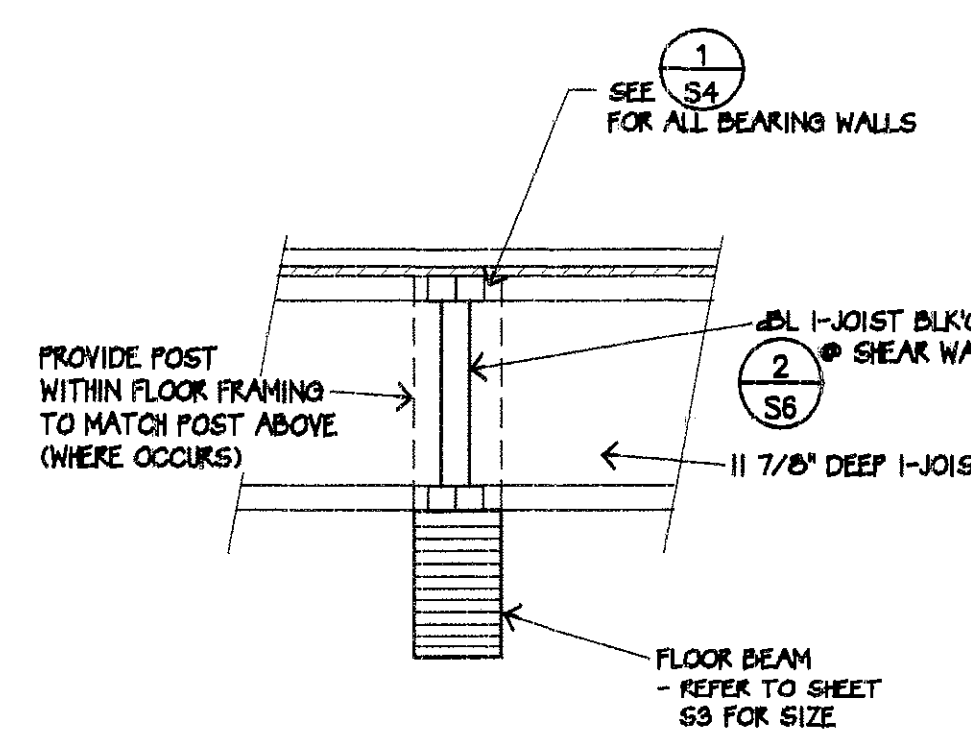
14
S7
DETAIL
SCALE: 3/4"=1'-0"



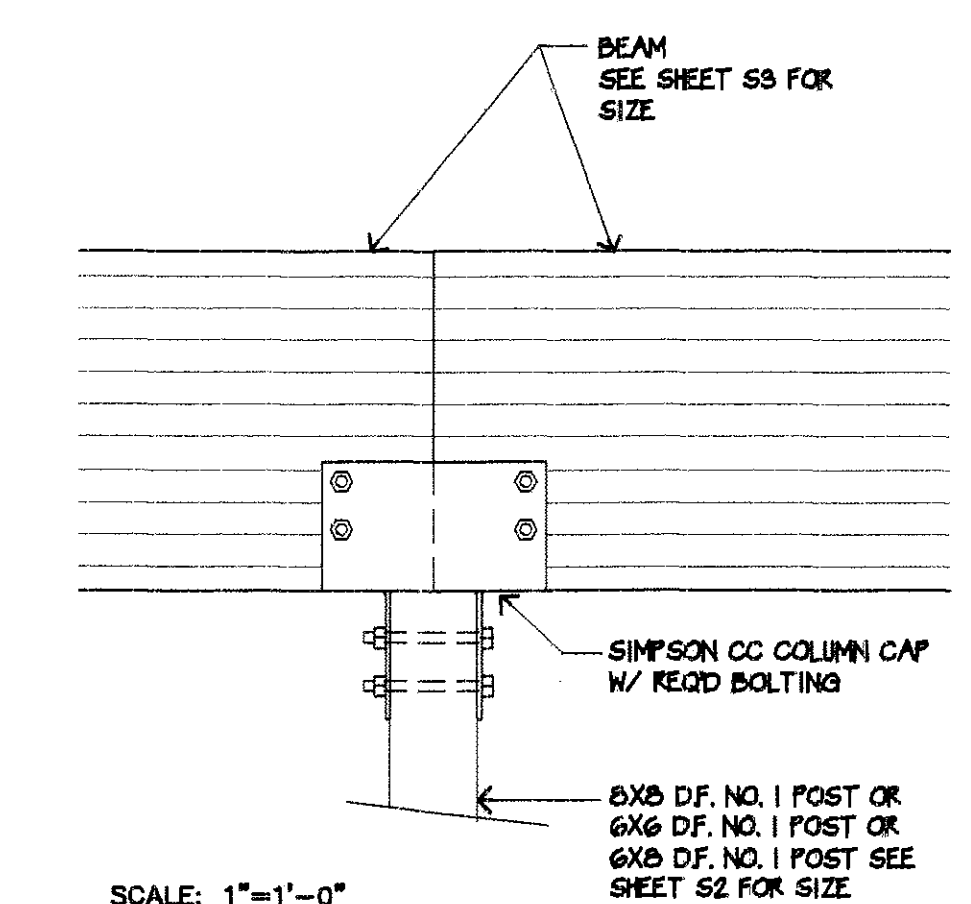
19
S7
DETAIL
SCALE: 1 1/2"=1'-0"



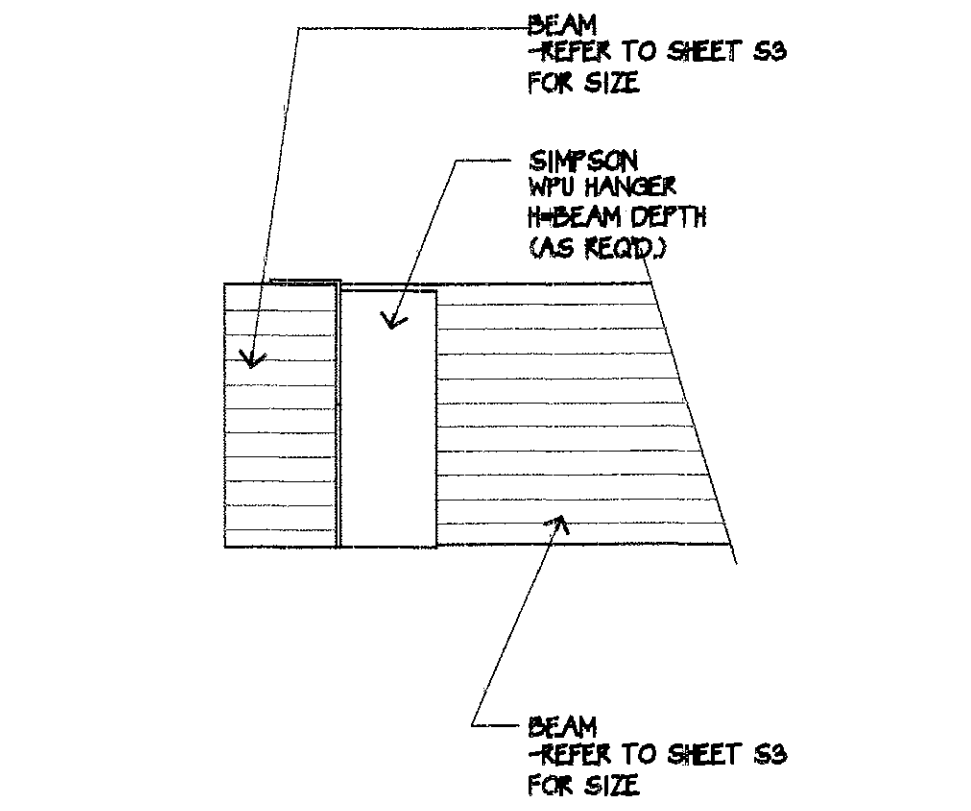
15
S7
DETAIL
SCALE: 3/4"=1'-0"



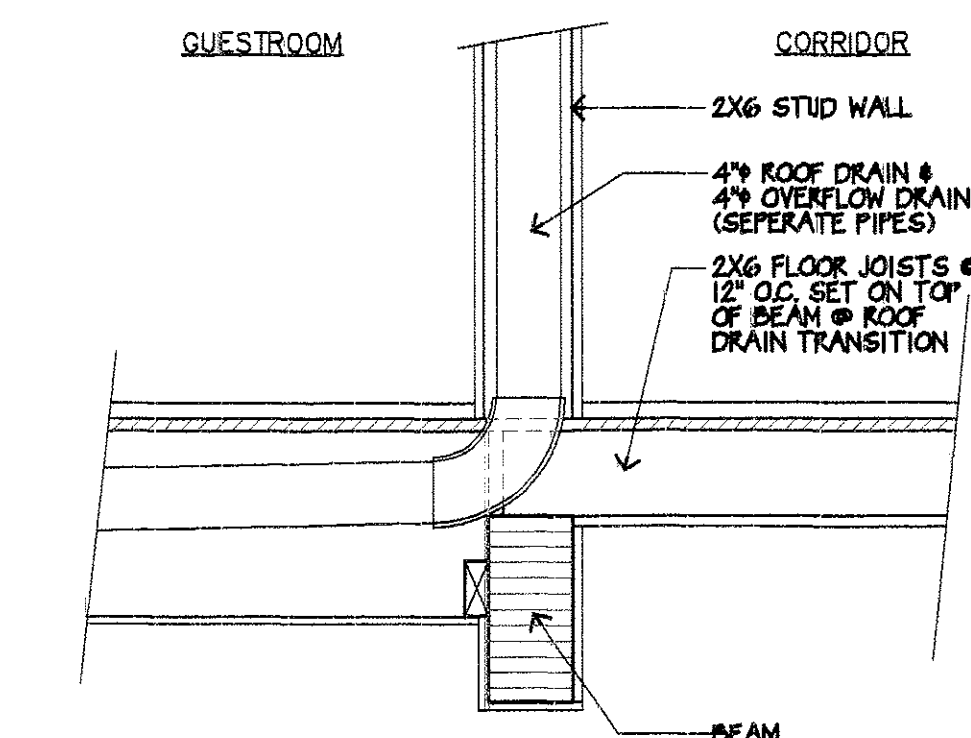
8
S7
DETAIL
SCALE: 1"=1'-0"



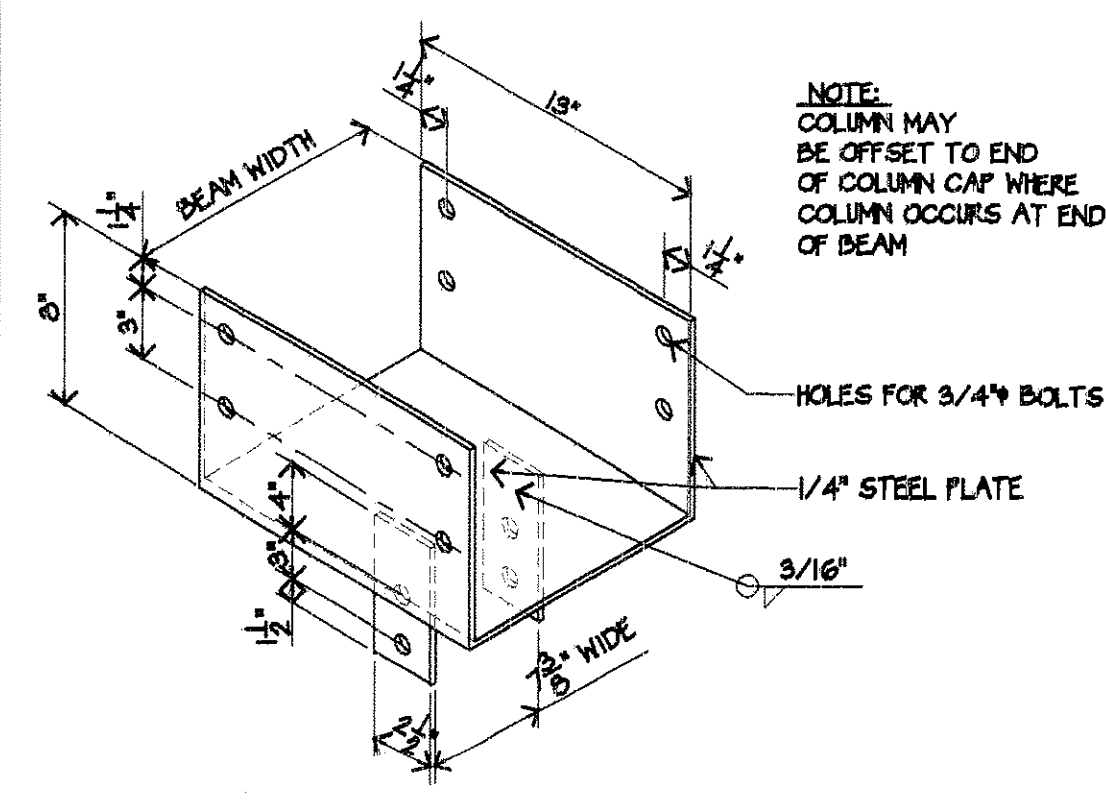
9
S7
DETAIL
SCALE: 1"=1'-0"



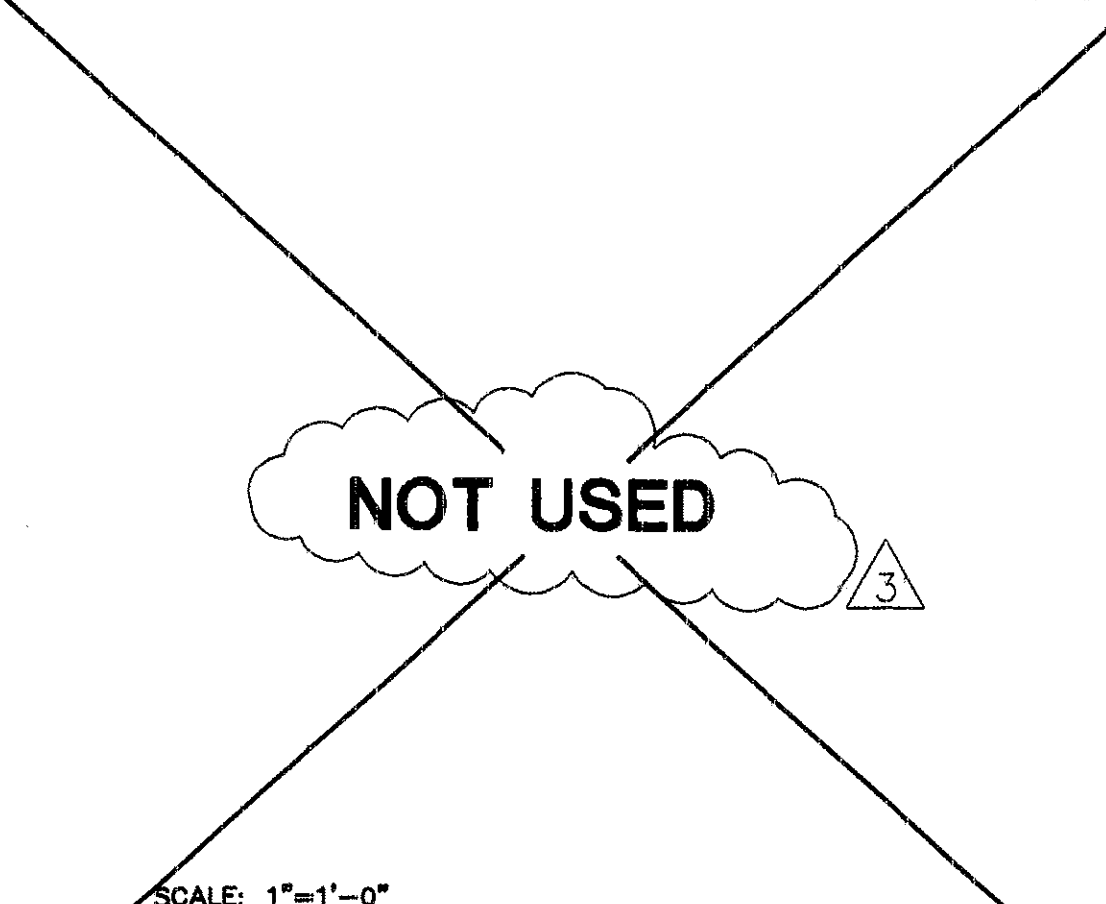
10
S7
DETAIL
SCALE: 1"=1'-0"



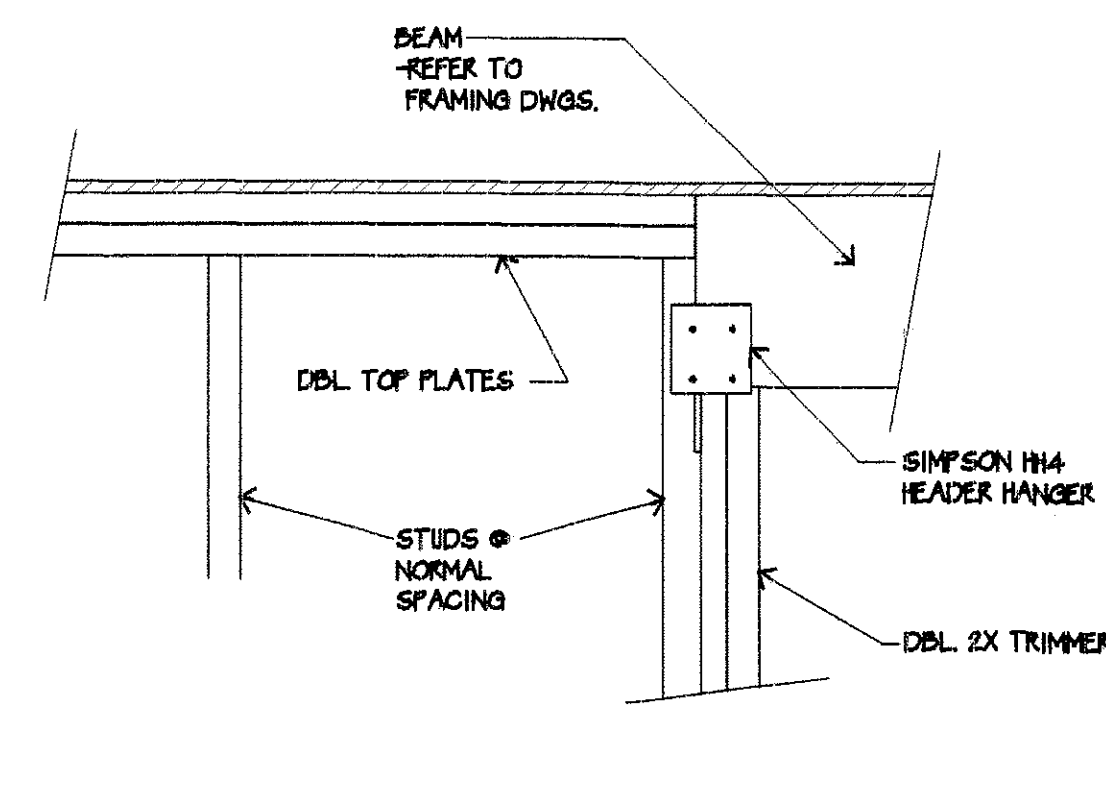
11
S7
DETAIL JOIST TO BEAM @ ROOF DRAIN
SCALE: 1"=1'-0"



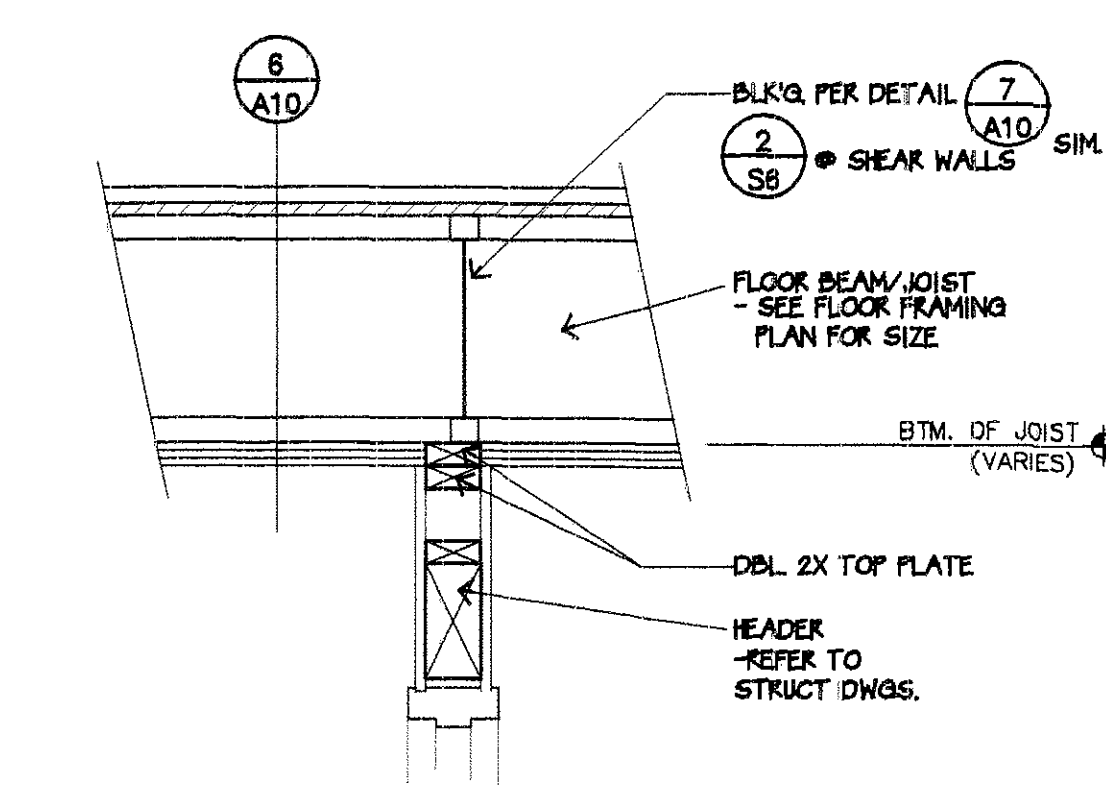
4
S7
DETAIL
SCALE: 1 1/2"=1'-0"



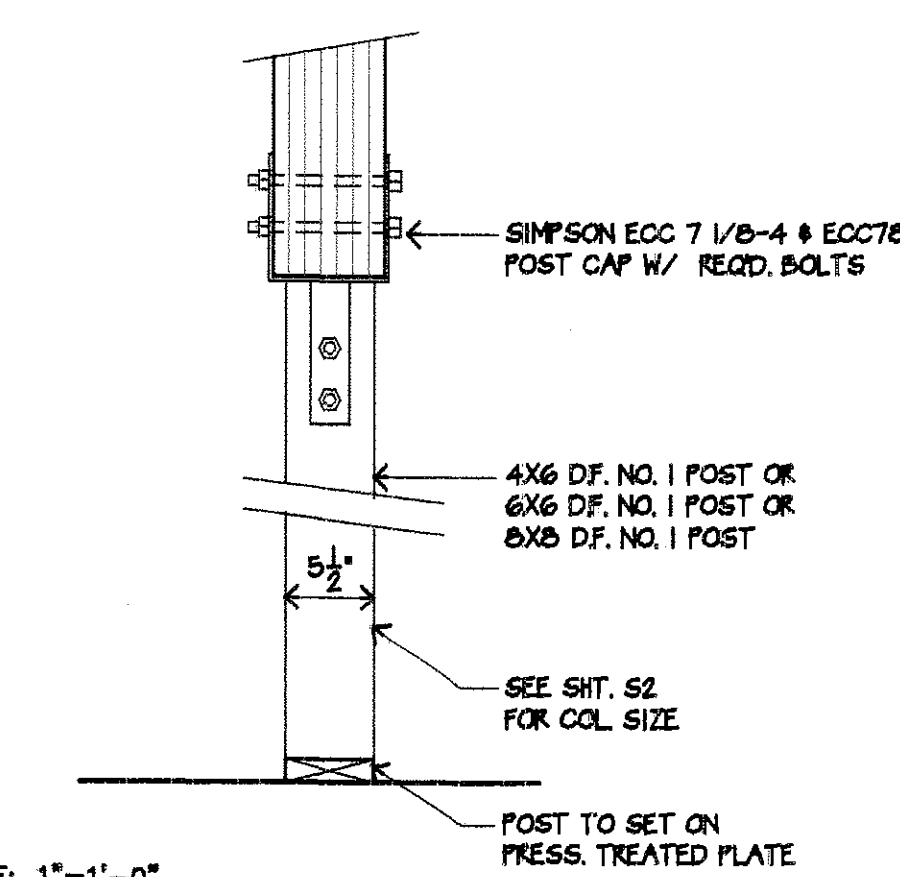
5
S7
DETAIL
SCALE: 1"=1'-0"



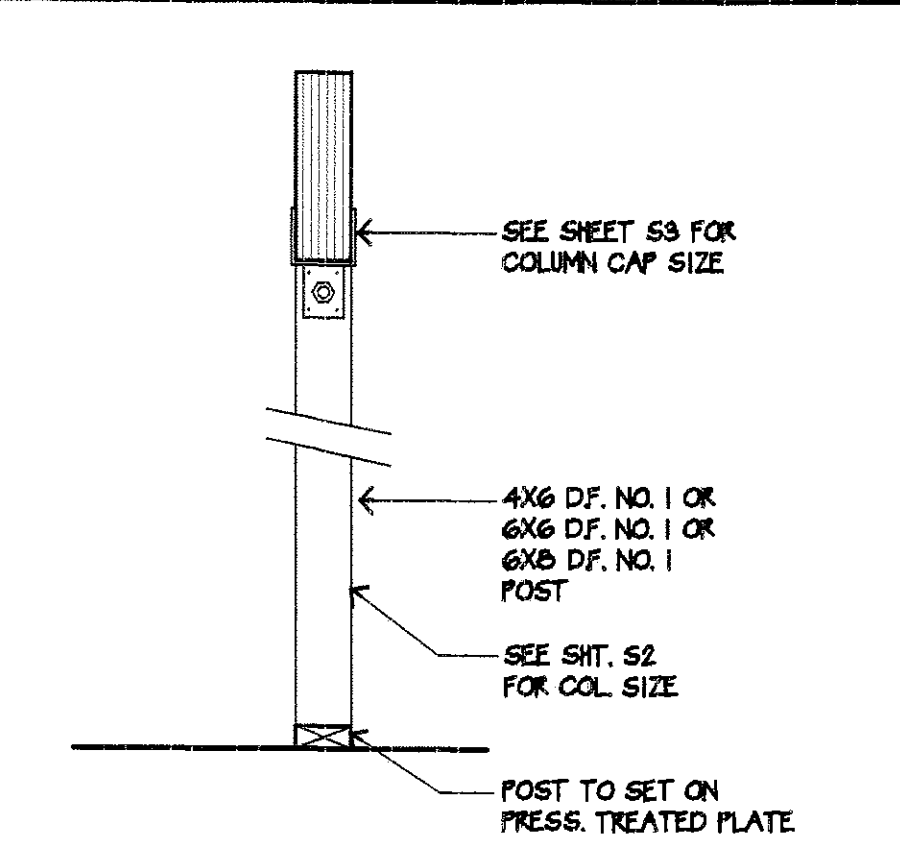
6
S7
DETAIL
SCALE: 1/4"=1'-0"



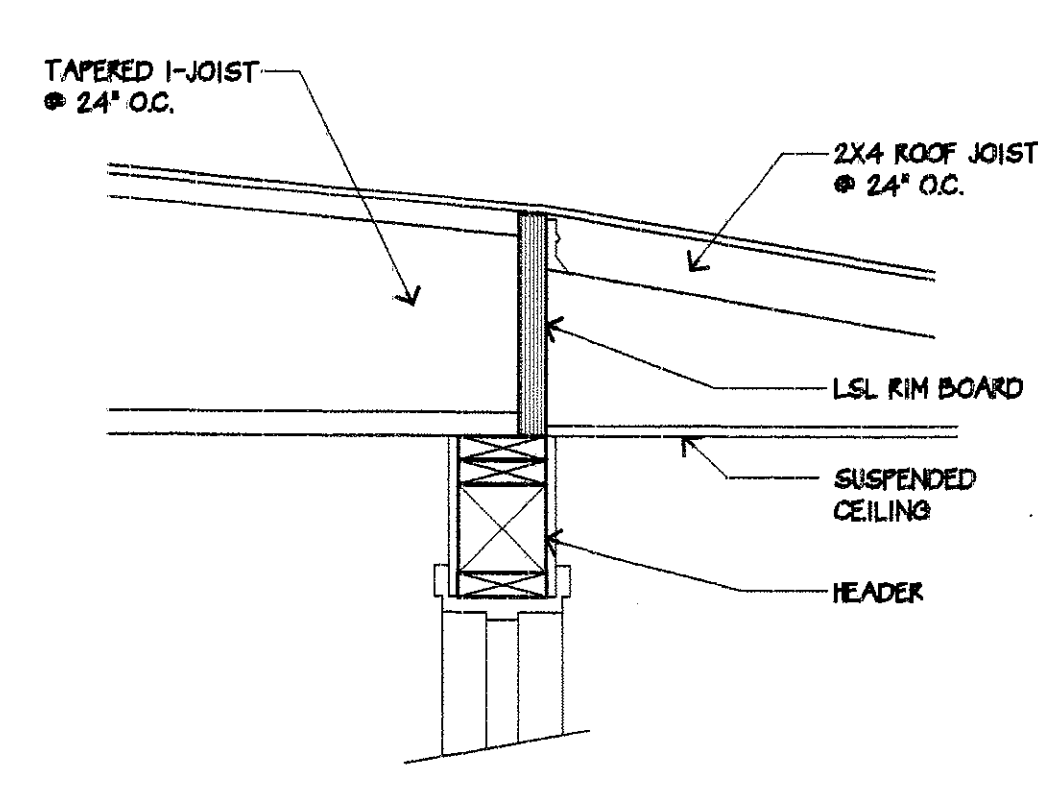
7
S7
DETAIL / TYP. (U.O.N.)
SCALE: 1"=1'-0"



1
S7
DETAIL
SCALE: 1"=1'-0"

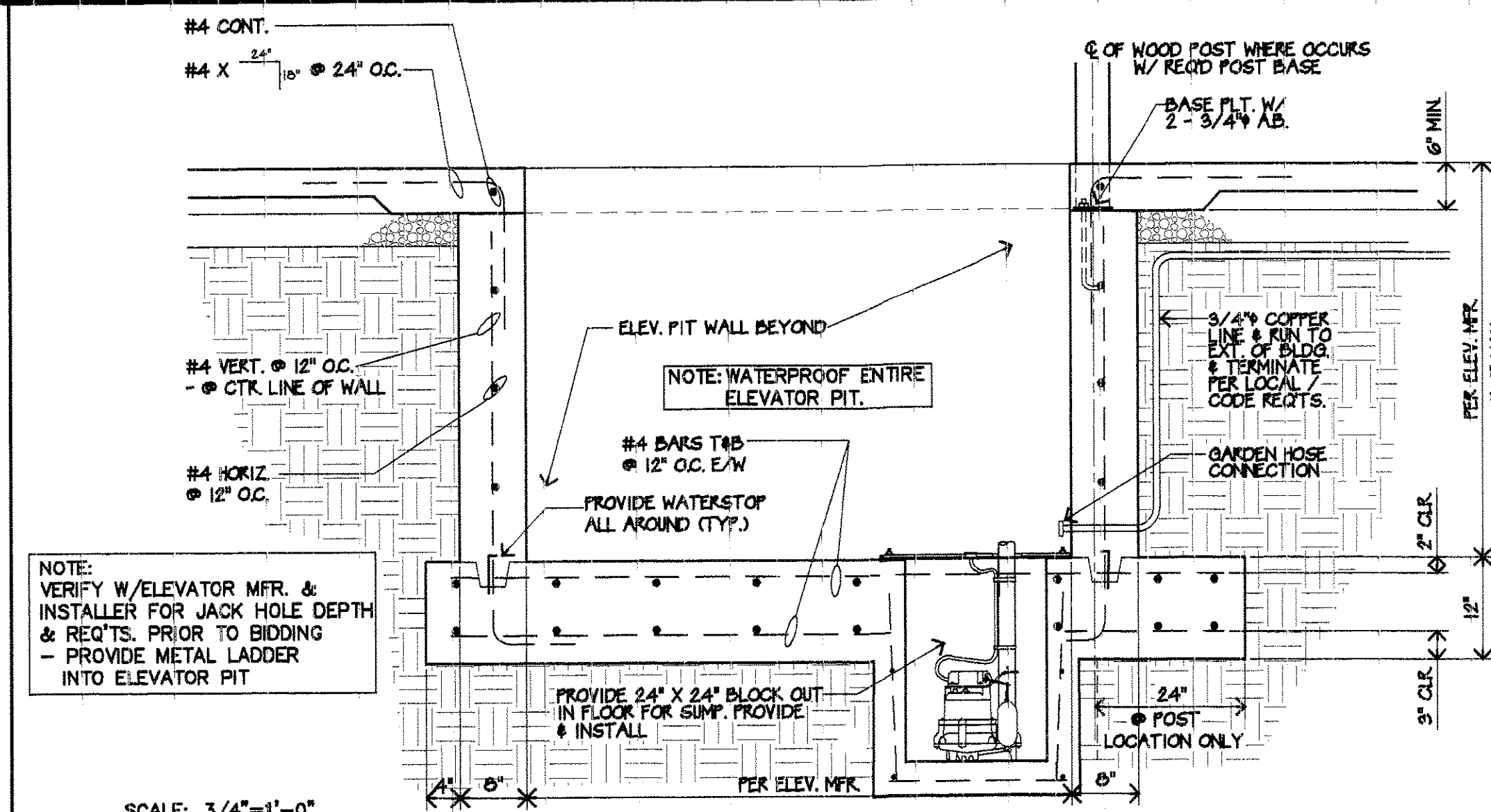


2
S7
DETAIL
SCALE: 1"=1'-0"



3
S7
ROOF HEADER
SCALE: 1"=1'-0"

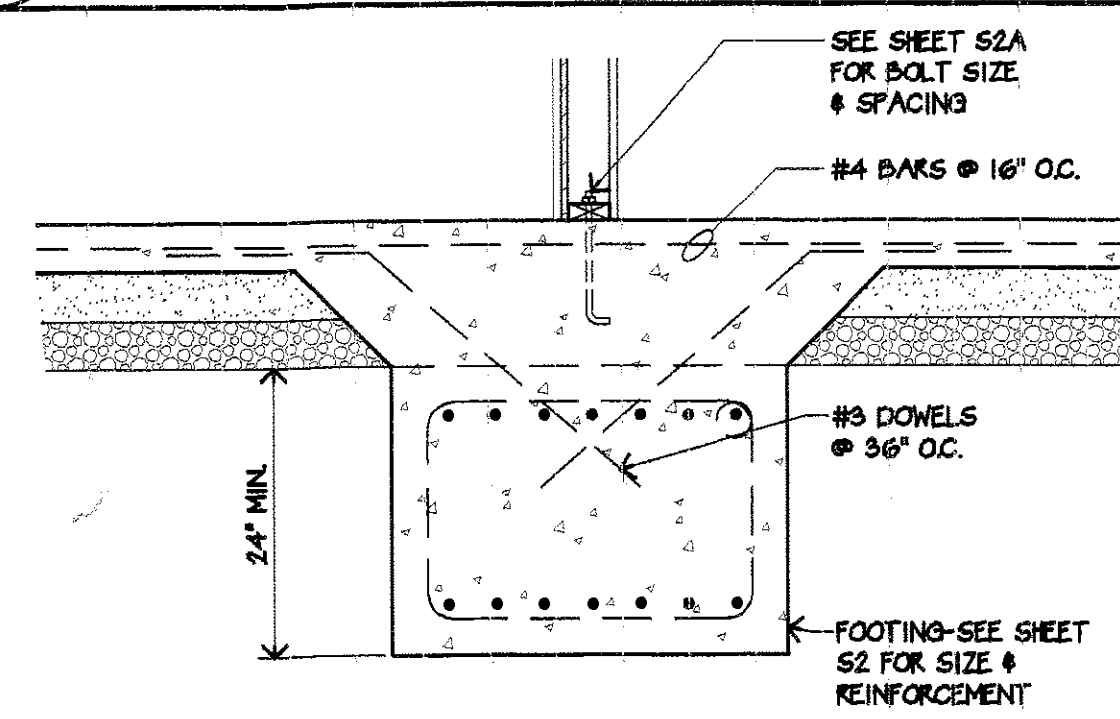
REVISIONS PER ARCHITECT CLARIFICATION
7/3/02



7
S8
DETAIL ELEVATOR PIT

Side/Side = 8'-4" CLR. INSIDE DIM.
Front/Back = 5'-9" min. or larger INSIDE DIM.

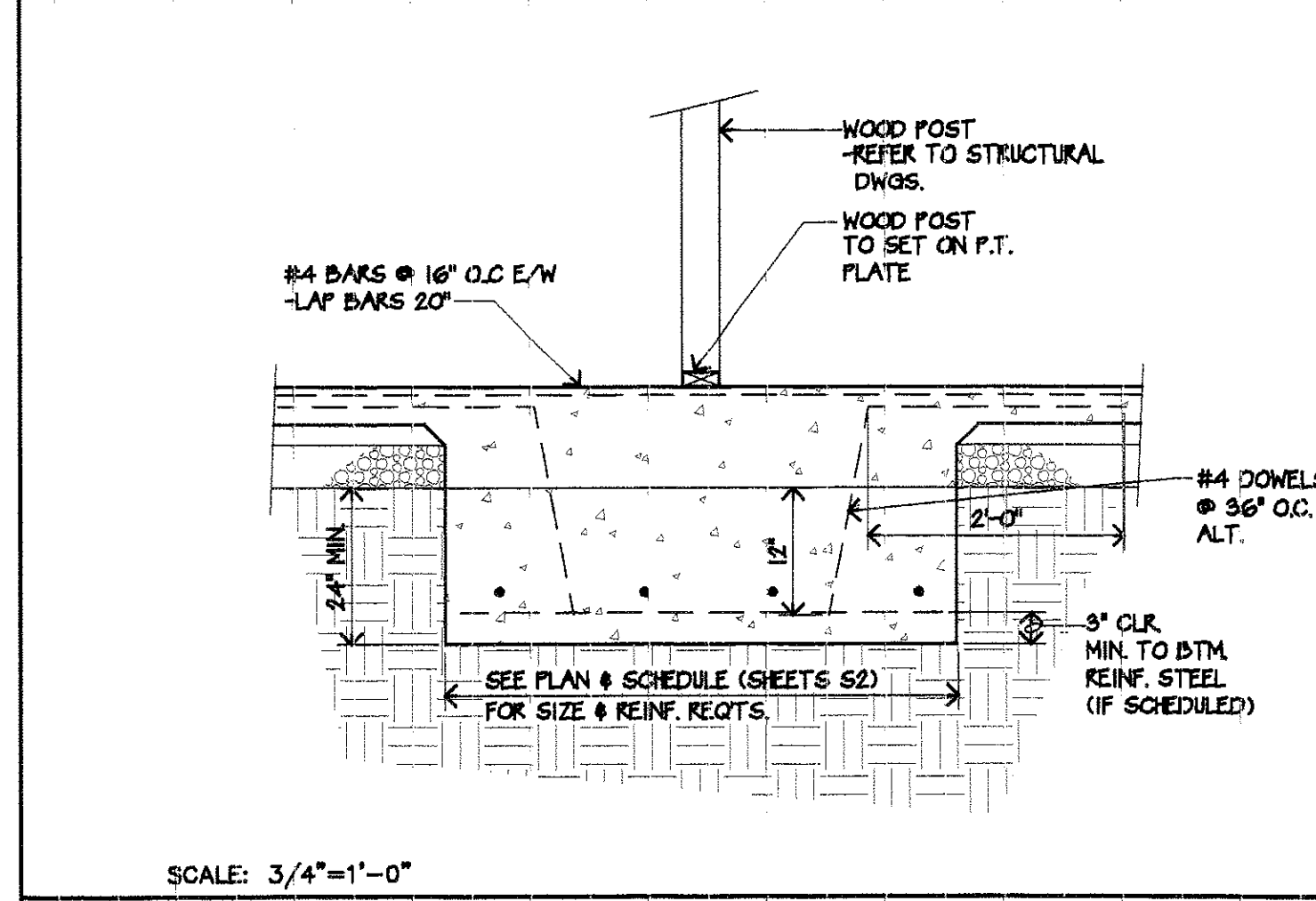
8
S8
(NOT USED)



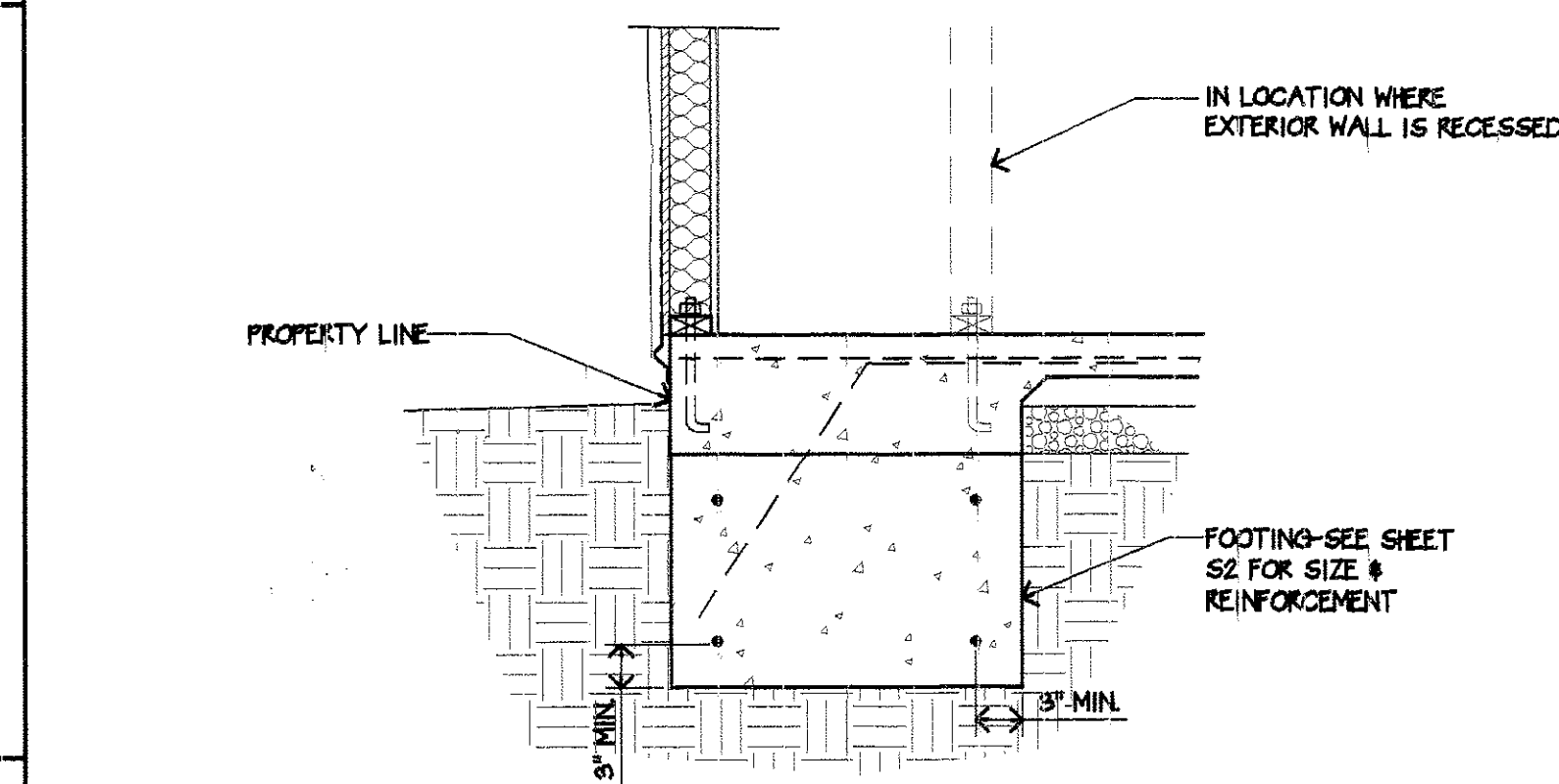
9
S8
TYP. INTERIOR FOOTING

11
S8
(NOT USED)

10
S8
(NOT USED)

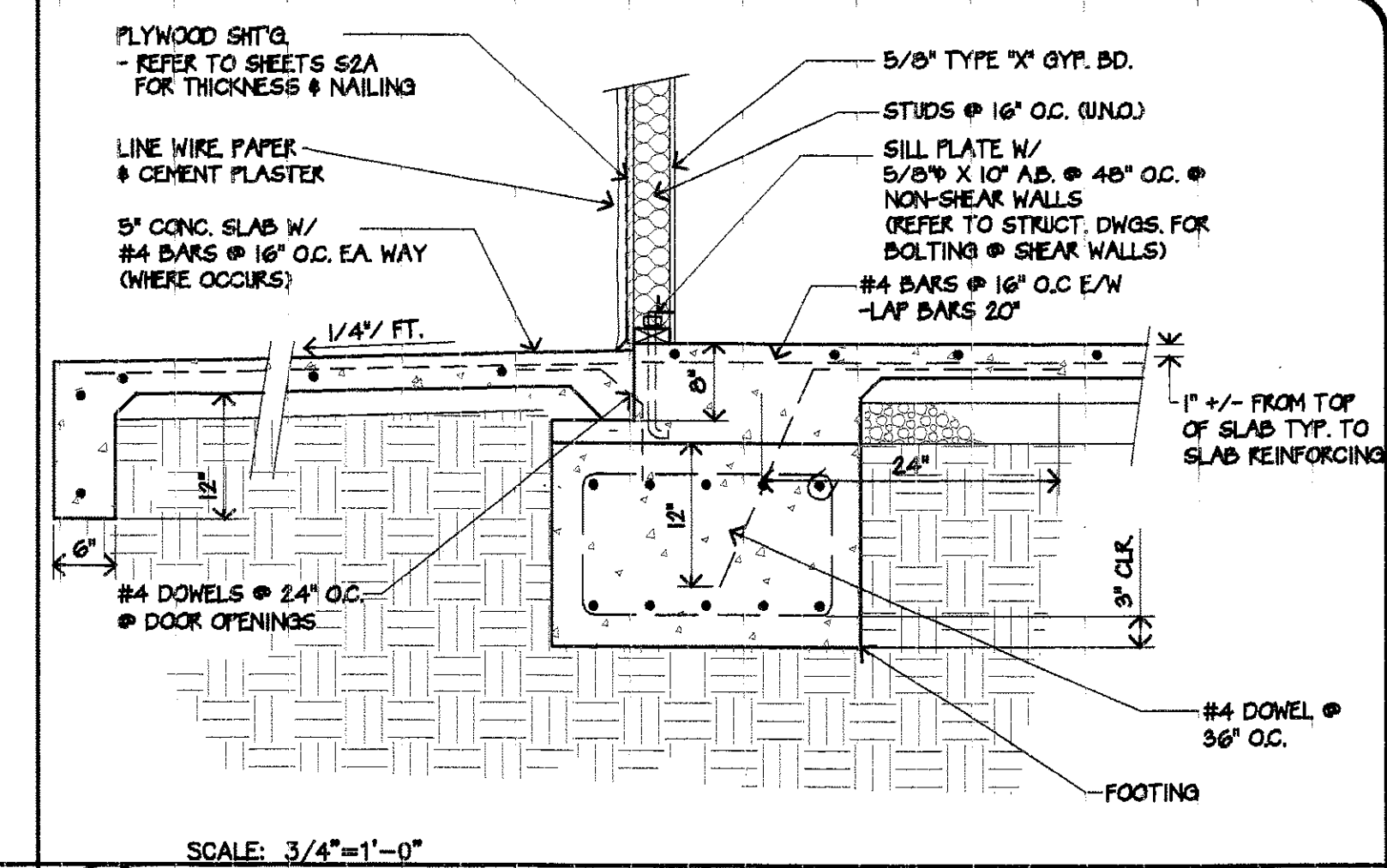


4
S8
DETAIL (PAD FOOTING/WOOD POST)

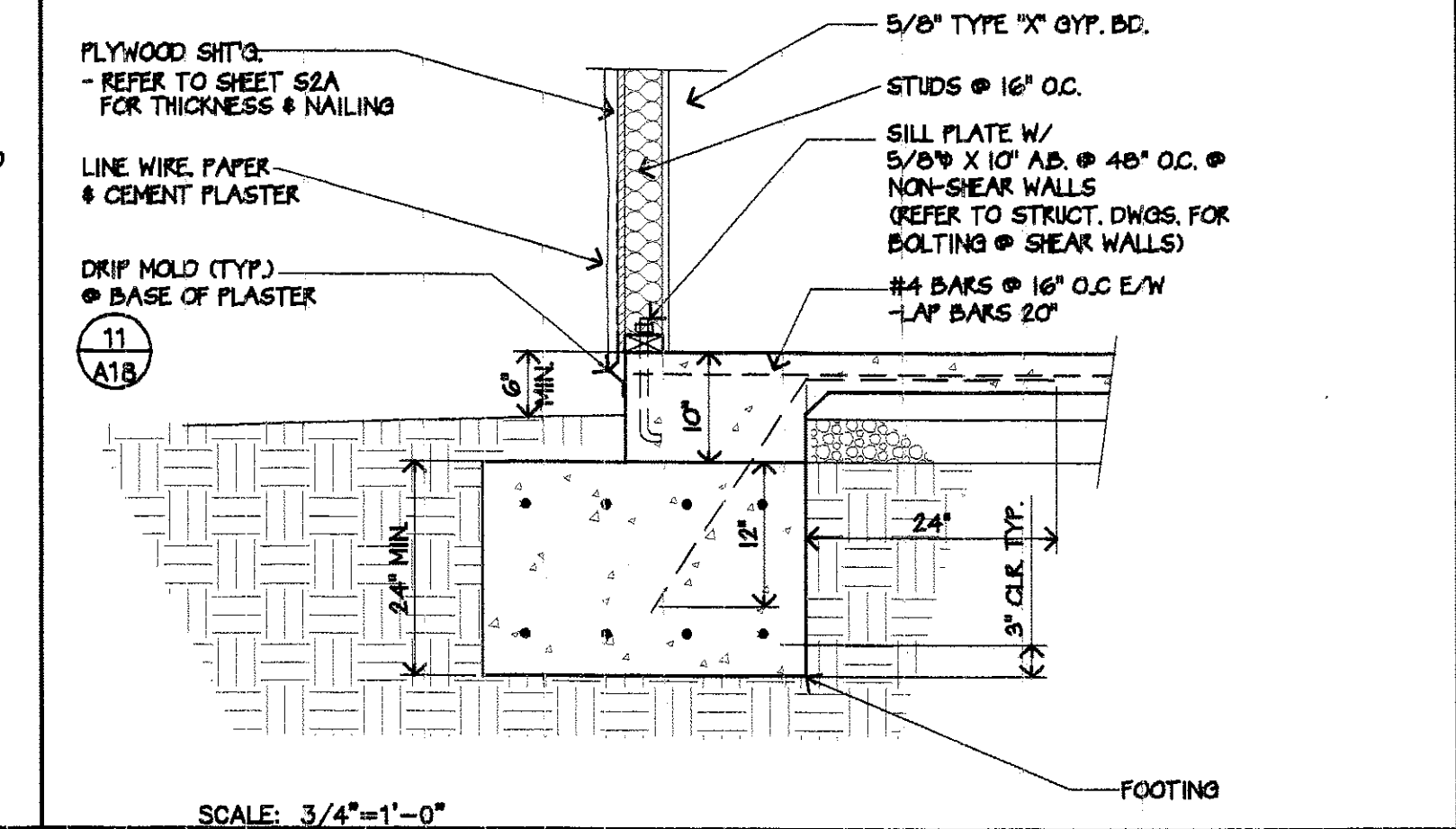


5
S8
DETAIL FOOTING @ PROPERTY LINE

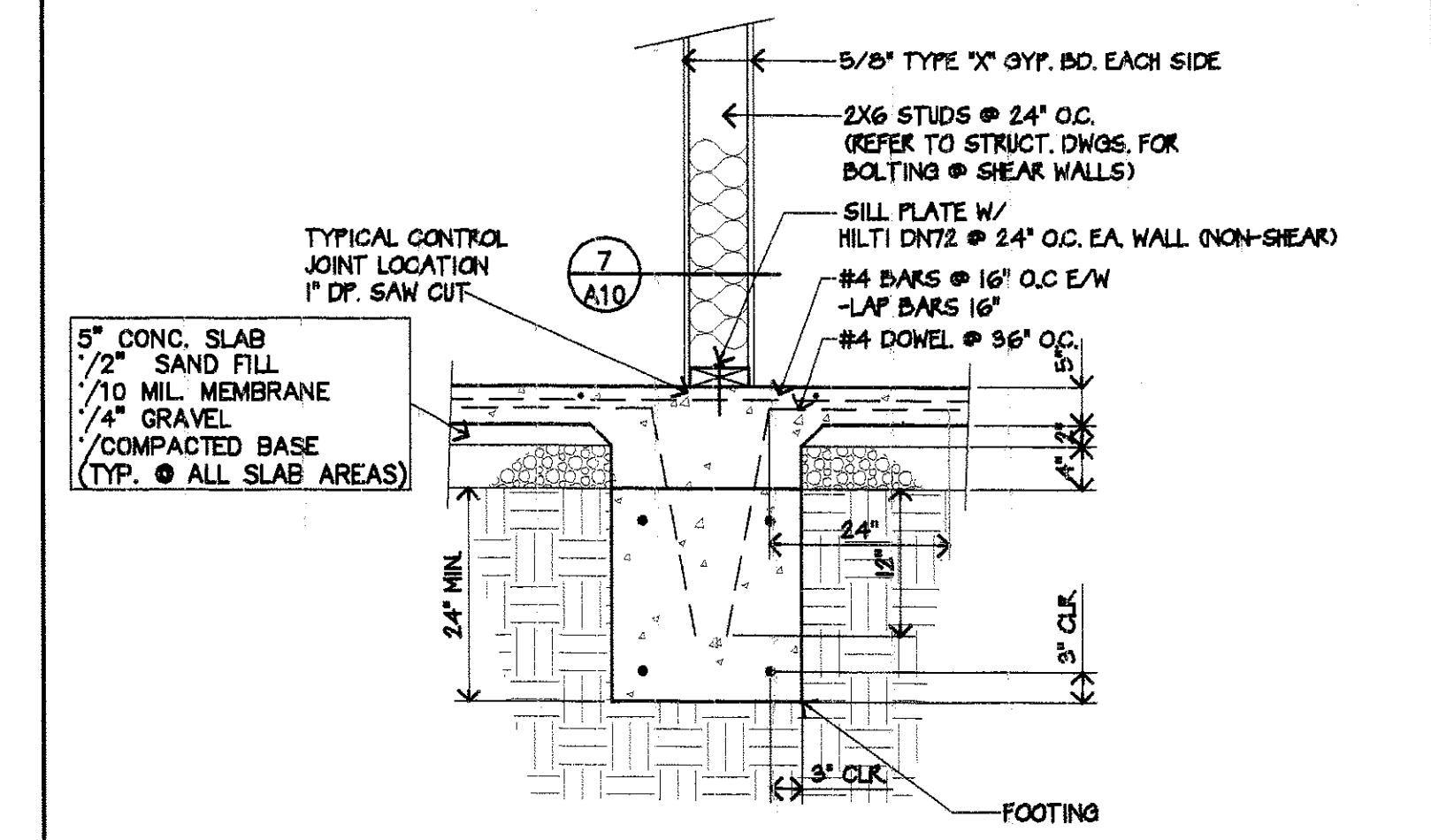
6
S8
(NOT USED)



1
S8
DETAIL TYPICAL EXTERIOR WALL @ WALK

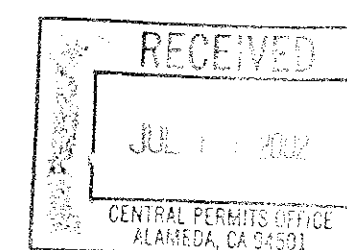


2
S8
DETAIL TYPICAL EXTERIOR WALL/NOT @ PROPERTY LINE



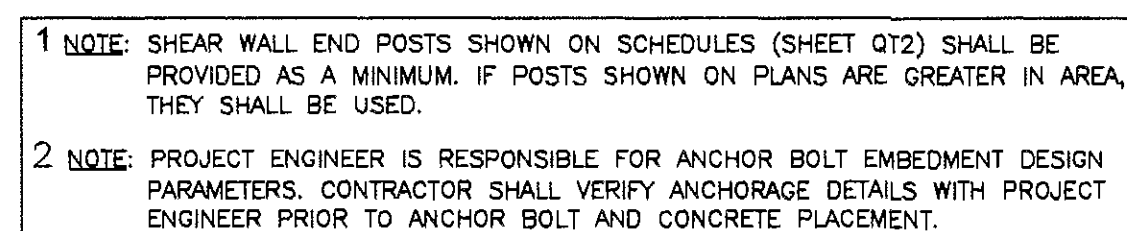
3
S8
DETAIL TYPICAL NON SHEARWALL BETWEEN GUEST ROOMS

NOTE:
FOOTING DETAILS SHOWN HERE ARE TYPICAL FOR NON-SHEAR WALLS
- DETAILS ON SHEET S8 SHALL TAKE PRECEDENCE OVER THOSE SHOWN ON THIS SHEET

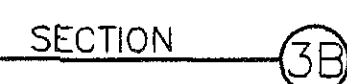




NOTE:
SEE DESIGN DRAWINGS
FOR ANY FIRE-RATED
ASSEMBLY REQUIREMENTS.



NO SCALE



NO SCALE

NO SCALE

REVISIONS PER
CITY OF ALAMEDA
7/3/02

QUAKE-TIE STANDARD CONFIGURATIONS FOR 2x4 FRAMED WALLS																
COMBINATIONS REQUIRING SINGLE SPREAD PLATE:			8 FT. HIGH		9 FT. HIGH		10 FT. HIGH		ALL WALL HEIGHTS							
Standard Runs	Capacity (Notes 1,2)	Anchor Bolt (Note 5)	POSTS ALL STORIES (Note 3)		POSTS ALL STORIES (Note 3)		POSTS ALL STORIES (Note 3)		UPPER LEVEL SPREAD PLATE							
			POSTS ONE SIDE	POSTS OTHER SIDE	POSTS ONE SIDE	POSTS OTHER SIDE	POSTS ONE SIDE	POSTS OTHER SIDE	PLATE	SIZE	BEARING AREA					
A	6500	3/4"	(2) 2" x 4"	---	2" x 4"	3" x 4"	3" x 4"	3" x 4"	2-1/4" x 5"	2-1/4" x 5"						
B	8750	3/4"	2"x4", 3"x4"	---	3" x 4"	3" x 4"	(2) 2" x 4"	(2) 2" x 4"	3" x 6"	3" x 6"						
C	10400	7/8"	(2) 2" x 4"	3" x 4"	(2) 2" x 4"	(2) 2" x 4"	2"x4", 3"x4"	2"x4", 3"x4"	3" x 6"	3" x 6"						
D	12850	1"	(2) 2" x 4"	(2) 2" x 4"	(3) 2" x 4"	(2) 2" x 4"	(2) 3" x 4"	(3) 2" x 4"	4" x 6"	3-1/2" x 6"						
E	15300	1"	(2) 2" x 4"	2"x4", 3"x4"	(3) 2" x 4"	2"x4", 3"x4"	(2) 3"x4", 2"x4"	(2) 3" x 4"	4" x 6"	3-1/2" x 6"						
F	17225	1 1/8"	2"x4", 3"x4"	2"x4", 3"x4"	4"x4", 2"x4"	4"x4", 2"x4"	(2) 3"x4", 2"x4"	(2) 3"x4", 2"x4"	4" x 6"	3-1/2" x 6"						

COMBINATIONS REQUIRING INTERMEDIATE SPREAD PLATE:																
			8 FT. HIGH		9 FT. HIGH		10 FT. HIGH		ALL WALL HEIGHTS							
Standard Runs	Capacity (Notes 1,2)	Anchor Bolt (Note 5)	POSTS BELOW INTERMEDIATE SPREAD PLATE (Note 3)		POSTS BELOW INTERMEDIATE SPREAD PLATE (Note 3)		POSTS BELOW INTERMEDIATE SPREAD PLATE (Note 3)		INTERMEDIATE SPREAD PLATE		POSTS ABOVE INTERMEDIATE SPREAD PLATE (Note 3)		POSTS ABOVE INTERMEDIATE SPREAD PLATE (Note 3)		POSTS ABOVE INTERMEDIATE SPREAD PLATE (Note 3)	
			POSTS ONE SIDE	POSTS OTHER SIDE	POSTS ONE SIDE	POSTS OTHER SIDE	POSTS ONE SIDE	POSTS OTHER SIDE	PLATE	SIZE	BEARING AREA	POSTS ONE SIDE	POSTS OTHER SIDE	POSTS ONE SIDE	POSTS OTHER SIDE	BEARING AREA
G	19150	1 1/8"	2"x4", 3"x4"	(2) 3" x 4"	4"x6"	4"x6"	(2) 4" x 4"	(2) 4" x 4"	3" x 6"	3" x 6"	2"x4", 3"x4"	2"x4", 3"x4"	(2) 2" x 4"	2"x4", 3"x4"	3" x 6"	3" x 6"
H	20800	1 1/4"	(2) 3" x 4"	(2) 3" x 4"	3"x4", (2) 2"x4"	2"x4", (2) 3"x4"	6"x4"	6"x4", 3"x4"	3" x 6"	3" x 6"	(2) 2" x 4"	3" x 4"	(2) 2" x 4"	4" x 4"	2"x4", 3"x4"	3" x 6"
J	24050	1 1/4"	(2) 3" x 4"	3"x4", 4"x4"	2"x4", 4"x6"	2"x4", 4"x6"	6"x4", 4"x4"	6"x4", 4"x4"	4" x 6"	3-1/2" x 6"	(2) 2" x 4"	3" x 4"	(2) 2" x 4"	2" x 4", 3"x4"	2"x4", 3"x4"	3-1/2" x 6"

COMBINATIONS REQUIRING INTERMEDIATE SPREAD PLATE AND 0.6" CABLE:																
			8 FT. HIGH		9 FT. HIGH		10 FT. HIGH		ALL WALL HEIGHTS							
Standard Runs	Capacity (Notes 1,2)	Anchor Bolt (Note 5)	POSTS BELOW INTERMEDIATE SPREAD PLATE (Note 3)		POSTS BELOW INTERMEDIATE SPREAD PLATE (Note 3)		POSTS BELOW INTERMEDIATE SPREAD PLATE (Note 3)		INTERMEDIATE SPREAD PLATE		POSTS ABOVE INTERMEDIATE SPREAD PLATE (Note 3)		POSTS ABOVE INTERMEDIATE SPREAD PLATE (Note 3)		POSTS ABOVE INTERMEDIATE SPREAD PLATE (Note 3)	
			POSTS ONE SIDE	POSTS OTHER SIDE	POSTS ONE SIDE	POSTS OTHER SIDE	POSTS ONE SIDE	POSTS OTHER SIDE	BEARING AREA	BEARING AREA	POSTS ONE SIDE	POSTS OTHER SIDE	POSTS ONE SIDE	POSTS OTHER SIDE	POSTS ONE SIDE	POSTS OTHER SIDE
K	26225	1" ASTM A449 HIGH STRENGTH	3"x4", 4"x4"	3"x4", 4"x4"	3"x4", 4"x6"	3"x4", 4"x6"	4" x 10"	4" x 10"	4" x 8"	3 1/2" x 8"	3" x 4"	3" x 4"	3" x 4"	3" x 4"	(2)2"x4"	2"x4", 3" x 4"
L	28450	1" ASTM A449 HIGH STRENGTH	(2) 3" x 4"	3"x4", 4"x6"	4"x6", 3"x4"	4"x6", 3"x4"	8"x4", (2)2"x4"	8"x4", (2)2"x4"	4" x 8"	3 1/2" x 8"	(2) 2" x 4"	3" x 4"	(2)2" x 4"	2"x4", 3" x 4"	(3)2"x4"	4" x 6"
M	30625	1" ASTM A449 HIGH STRENGTH	3"x4", 4"x4"	3"x4", 4"x6"	4"x6", (2)2"x4"	4"x6", (2)2"x4"	10"x4", 2"x4"	10"x4", 2"x4"	4" x 8"	3 1/2" x 8"	(2) 2" x 4"	(2) 2" x 4"	2"x4", 3" x 4"	2"x4", 3" x 4"	(2)3"x4"	4" x 6"
N	32575	1 1/8" ASTM A449 HIGH STRENGTH	2"x4", 4"x6"	3"x4", 4"x6"	4"x10"	4"x10"	12"x4", 2"x4"	12"x4"	4" x 8"	3 1/2" x 8"	4" x 4"	4" x 4"	(2)3" x 4"	2"x4", 3" x 4"	4"x6"	4" x 6"
P	34450	1 1/8" ASTM A449 HIGH STRENGTH	2"x4", 4"x6"	4"x4", 4"x6"	N/A	N/A	N/A	N/A	4" x 8"	3 1/2" x 8"	2"x4", 3"x4"	2"x4", 3"x4"	N/A	N/A	N/A	4" x 6"

- NOTES:
- CAPACITY IS CONTROLLED BY ADDITION OF UPPER LEVEL CAPACITY (LIMITED BY EITHER POSTS OR PLATE BEARING CAPACITY) AND LOWER LEVEL CAPACITY (LIMITED BY EITHER POSTS OR PLATE BEARING CAPACITY).
 - ALL POST BEARING CAPACITIES ARE LIMITED TO 625 PSI (4309 N/m²), WHICH ASSUMES DOUGLAS FIR-LARCH MINIMUM GRADE NO. 2, MAXIMUM 92-1/2" (6 FT. WALLS), 104-1/2" (8 FT. WALLS) & 115-1/2" (10 FT. WALLS) LONG. - 2x4 & 3x4 POSTS MUST BE RESTRAINED IN THE WEAK DIRECTION BY SHEATHING NAILED TO THE NARROW FACE.
 - THE CAPACITY OF EACH QUAKE-TIE CONFIGURATION IS DETERMINED USING THE LOWEST ALLOWABLE STRENGTH VALUE OF ITS COMPONENTS OR COMBINATION THEREOF. - POST & BEARING PLATE CAPACITIES ARE COMPLIANT WITH THE 1994 & 1997 UBC REQUIREMENTS.
 - CABLE IS LIMITING FACTOR.
 - FOUNDATION ANCHOR BOLTS ARE NOT PART OF THE QUAKE-TIE SYSTEM. THE ANCHOR BOLT SIZE SHOWN HERE FOR EACH QUAKE-TIE RUN IS THE MINIMUM SIZE RECOMMENDED BY SEISMIC SOLUTIONS IN CONFORMANCE WITH ASTM AND INDUSTRIAL FASTENERS INSTITUTE (I.F.I.) STANDARDS USING THE TENSILE STRESS AREA OF THE THREADED PORTION OF THE ANCHOR BOLT. SEE PROJECT STRUCTURAL DRAWINGS FOR HOLD-DOWN LOCATIONS AND REFERENCES TO ANCHOR BOLT DETAILS. CONTRACTOR SHALL VERIFY THE ANCHOR BOLT SPECIFICATIONS, EMBEDMENT DETAILS AND CAPACITIES WITH THE PROJECT ENGINEER PRIOR TO PLACEMENT OF ANCHORS AND CONCRETE.

QUAKE-TIE STANDARD CONFIGURATIONS FOR 2x6 FRAMED WALLS, MAXIMUM 12-FEET HIGH										
COMBINATIONS WITH SINGLE SPREAD PLATE:										
Standard Runs	QUAKE-TIE CAPACITY (LBS)	ANCHOR BOLT in. dia. (Note 2)	POSTS ALL STORIES (Note 1)		SINGLE BEARING PLATE					
			POSTS ONE SIDE	POSTS OTHER SIDE	PLATE	SIZE				
Q	5150	3/4"	2x6	2x6	2-1/4" x 5"					
R	10300	7/8"	2x6	2x6	3" x 6"					
S	14725	1"	4x6	2x6	4" x 6"					
T	19725	1 1/4"	4x6	4x6	4" x 6"					

COMBINATIONS REQUIRING INTERMEDIATE SPREAD PLATE:										
Standard Runs	QUAKE-TIE CAPACITY (LBS)	ANCHOR BOLT in. dia. (Note 2)	POSTS BELOW INTERMEDIATE BEARING PLATE (Note 1)		INTERMEDIATE BEARING PLATE	POSTS ABOVE INTERMEDIATE BEARING PLATE (Note 1)	UPPER LEVEL BEARING PLATE			
			POSTS ONE SIDE	POSTS OTHER SIDE	PLATE	SIZE	POSTS ONE SIDE	POSTS OTHER SIDE	PLATE	SIZE
U	22300	1 1/4"	4x6	4x6	3" x 6"		2x6	2x6	4" x 6"	

COMBINATIONS REQUIRING INTERMEDIATE SPREAD PLATE AND 0.6" CABLE:										
Standard Runs	QUAKE-TIE CAPACITY (LBS)	ANCHOR BOLT in. dia. (Note 2)	POSTS BELOW INTERMEDIATE BEARING PLATE (Note 1)		INTERMEDIATE BEARING PLATE	POSTS ABOVE INTERMEDIATE BEARING PLATE (Note 1)	UPPER LEVEL BEARING PLATE			
			POSTS ONE SIDE	POSTS OTHER SIDE	PLATE	SIZE	POSTS ONE SIDE	POSTS OTHER SIDE	PLATE	SIZE
V	25000	1 1/4"	2x6, 4x6	4x6	3" x 6"		2x6	2x6	4" x 6"	
W	27500	1" ASTM A449 HIGH STRENGTH	2x6, 4x6	4x6	4" x 6"		4x6	2x6	4" x 6"	
X	30100	1" ASTM A449 HIGH STRENGTH	2x6, 4x6	2x6, 4x6	4" x 6"		2x6	2x6	4" x 6"	
Y	34350	1 1/8" ASTM A449 HIGH STRENGTH	2x6, 4x6	2x6, 4x6	4" x 6"		4x6	2x6	4" x 6"	
Z	35000	1 1/8" ASTM A449 HIGH STRENGTH	3x6, 4x6	3x6, 4x6	5" x 9"		4x6	2x6	3" x 6"	

- NOTES:
- 2X6, 3X6, AND 4X6 POSTS MUST BE RESTRAINED IN THE WEAK DIRECTION BY SHEATHING NAILED TO THE NARROW FACE. END POSTS EXCEEDING 12 FEET (3.6 m) LONG, OF LESSER WOOD GRADES, OR USE OF LUMBER FROM OTHER WOOD SPECIES MUST BE INVESTIGATED SEPARATELY FOR ALLOWABLE BEARING CAPACITY. POSTS HAVE BEEN CHECKED FOR COMPRESSION PARALLEL TO GRAIN USING THE 1997 NDS DESIGN STANDARDS. ALL POSTS ARE LIMITED TO MAXIMUM 625 PSI FOR COLUMN CAPACITY (EQUAL TO PERPENDICULAR-TO-GRAIN BEARING STRENGTH AT TOP AND BOTTOM PLATES), WHICH ASSUMES DOUGLAS FIR-LARCH, MINIMUM GRADE NO.2, MAXIMUM 12 FEET LONG, AND RESTRAINED FROM MOVEMENT IN THE PLANE OF THE WALL. SEE QUAKE-TIE DETAILS.
 - FOUNDATION ANCHOR BOLTS ARE NOT PART OF THE QUAKE-TIE SYSTEM. THE ANCHOR BOLT SIZE SHOWN HERE FOR EACH QUAKE-TIE RUN IS THE MINIMUM SIZE RECOMMENDED BY SEISMIC SOLUTIONS IN CONFORMANCE WITH ASTM AND INDUSTRIAL FASTENERS INSTITUTE (I.F.I.) STANDARDS USING THE TENSILE STRESS AREA OF THE THREADED PORTION OF THE ANCHOR BOLT. SEE PROJECT STRUCTURAL DRAWINGS FOR HOLD-DOWN LOCATIONS AND REFERENCES TO ANCHOR BOLT DETAILS. CONTRACTOR SHALL VERIFY THE ANCHOR BOLT SPECIFICATIONS, EMBEDMENT DETAILS AND CAPACITIES WITH THE PROJECT ENGINEER PRIOR TO PLACEMENT OF ANCHORS AND CONCRETE.
 - THE CAPACITY OF EACH QUAKE-TIE CONFIGURATION IS DETERMINED USING THE LOWEST ALLOWABLE STRENGTH VALUE OF ITS COMPONENTS OR COMBINATION THEREOF. - POSTS AND BEARING PLATE CAPACITIES ARE COMPLIANT WITH THE 1994 AND 1997 UBC REQUIREMENTS.

SEISMIC SOLUTIONS QUAKE-TIE SYSTEM

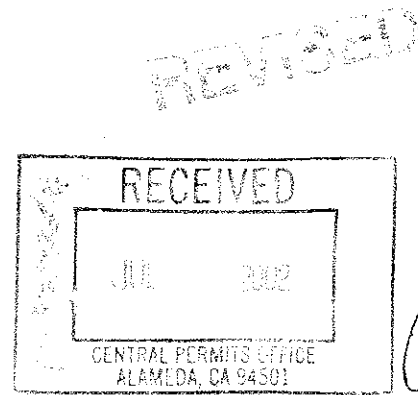
- NOTES:
- THE QUAKE-TIE SYSTEM CONFORMS TO THE I.C.B.O. BUILDING CODE REGULATIONS (1997 UBC) CHAPTERS 22 (STEEL) AND 23 (WOOD). QUAKE-TIE DESIGN CONFORMS TO THE 1997 N.D.S (NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION). THE WOOD SHRINKAGE COMPENSATOR PROVIDES COMPLIANCE WITH U.B.C SECTION 2304.7.
 - THE LOADS, ANCHOR BOLT, AND EMBEDMENT PARAMETERS ARE TO BE SPECIFIED BY THE PROJECT ENGINEER FOR THE DESIGN HOLD-DOWN FORCE.
 - 7x1 STRESS-RELIEVED ASTM A416 CABLE HAS A MINIMUM RATED CAPACITY AT 1% ELONGATION OF 37,170 LBS. FOR 1/2" CABLE AND 52,740 LBS. FOR 0.60" CABLE.
 - ALLOWABLE CABLE CAPACITY IS THE RATED CAPACITY AT 1% ELONGATION DIVIDED BY A SAFETY FACTOR 1.50.
 - THE ALLOWABLE BEARING PRESSURE (625 psi) FOR PERPENDICULAR TO GRAIN DOUGLAS FIR/LARCH NO.2 GRADE, DRY USE IS USED.
 - ONLY FULL HEIGHT STUDS CAN BE USED FOR QUAKE-TIE POSTS.
 - EXCEPT AT ALTERNATE TOP OF RUNS SHEAR WALL, EDGE NAILING IS REQUIRED TO BE STAGGERED BETWEEN ADJACENT END POST MEMBERS, AND AT EACH SIDE OF QUAKE-TIE ASSEMBLY WHEN POSTS ARE REQUIRED EACH SIDE.

QUAKE-TIE INSPECTION

VERIFICATIONS BY THE FIELD INSPECTOR DURING NORMAL FOUNDATION AND FRAMING INSPECTIONS

- VERIFY THAT THE "ANCHOR BOLT SIZE" IS EQUAL IN SIZE OR LARGER THAN SPECIFIED ON THIS SHOP DRAWING.
- VERIFY THAT THE "SLACK REMOVAL ASSEMBLY" IS PROPERLY COMPRESSED. THIS IS DETERMINED BY VISUAL INSPECTION THAT THE SPRING STOP IS FLUSH WITH THE BOTTOM OF, OR RECESSED INTO THE RETENTION TUBE.
- VERIFY THAT THE "BEARING POSTS" ARE EQUAL OR LARGER IN "BEARING AREA" THAN SPECIFIED ON THIS SHOP DRAWING.
- VERIFY THAT ALL FLOOR JOIST BLOCKING IS PROPERLY SIZED AND PLACED.
- VERIFY THAT THE "WOOD BEARING PLATE(S)" HAVE AT LEAST THE MINIMUM BEARING AREA AS SPECIFIED ON THIS SHOP DRAWING.
- INSPECTION OF PROPER TENSIONING FOR QUAKE-TIE HOLD-DOWNS MUST BE DONE WITHIN TWO WEEKS OF TENSIONING. (SEE NOTE BELOW)

NOTE: AFTER TWO WEEKS, DUE TO FUNCTION OF WOOD FRAMING SHRINKAGE AND SETTLEMENT COMPENSATION, THE SPRING RETENSION TUBE WILL MOVE DOWNWARD AND EXPOSE SPRINGS. THIS INDICATES PROPER FUNCTIONING OF THE COMPENSATOR AND THE AMOUNT OF SLACK REMOVED FROM THE SYSTEM.



REVISIONS PER CITY OF ALAMEDA 7/3/02

LEE GAGE & ASSOC., INC.

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

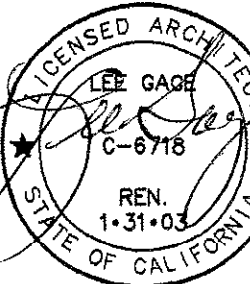
THESE DRAWINGS, SPECIFICATIONS, AND ARRANGEMENTS ARE THE SOLE & EXCLUSIVE PROPERTY OF LEE GAGE & ASSOCIATES, INC. NO PART OF THESE DRAWINGS OR SPECIFICATIONS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF LEE GAGE & ASSOCIATES, INC.



HAWTHORN STUDS LTD.
1928 WEBSTER STREET
ALAMEDA, CA
ALAMEDA HOSPITALITY, LLC
1940 FRANCISCAN WAY, SUITE #110
ALAMEDA, CA 94501 PHONE/FAX (510) 814-9981

OWNERS:

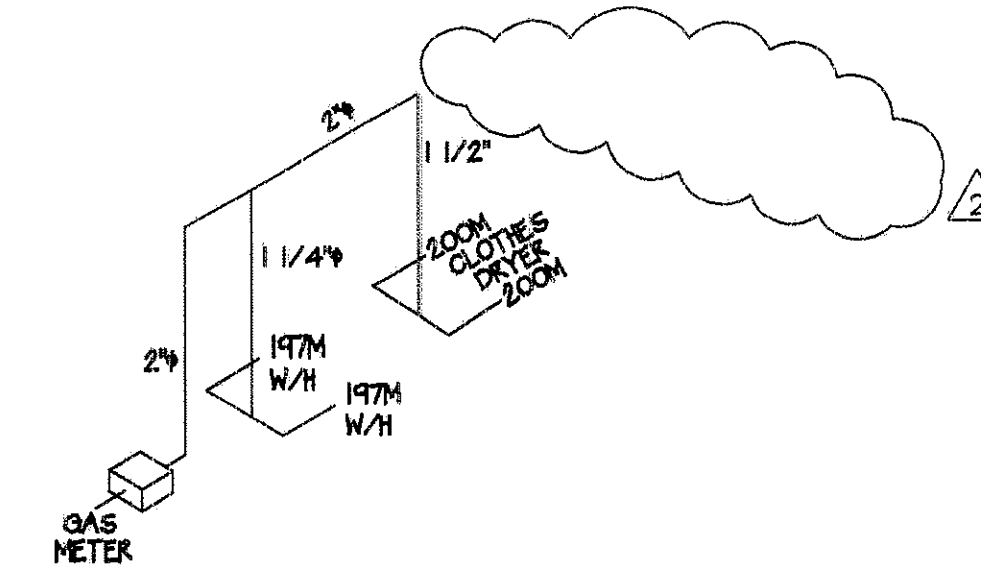
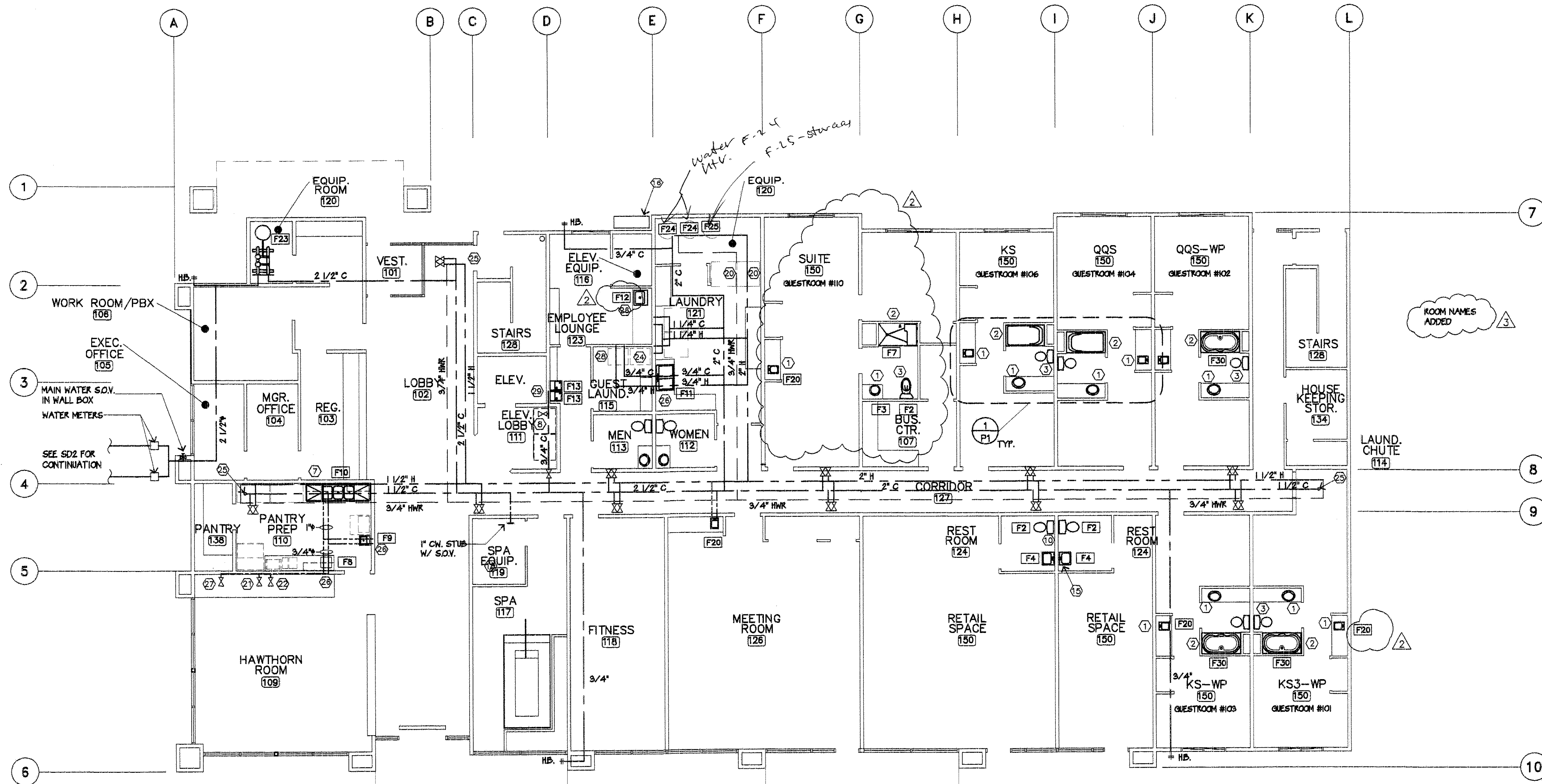
07/09/02



QT2

SHEET OF

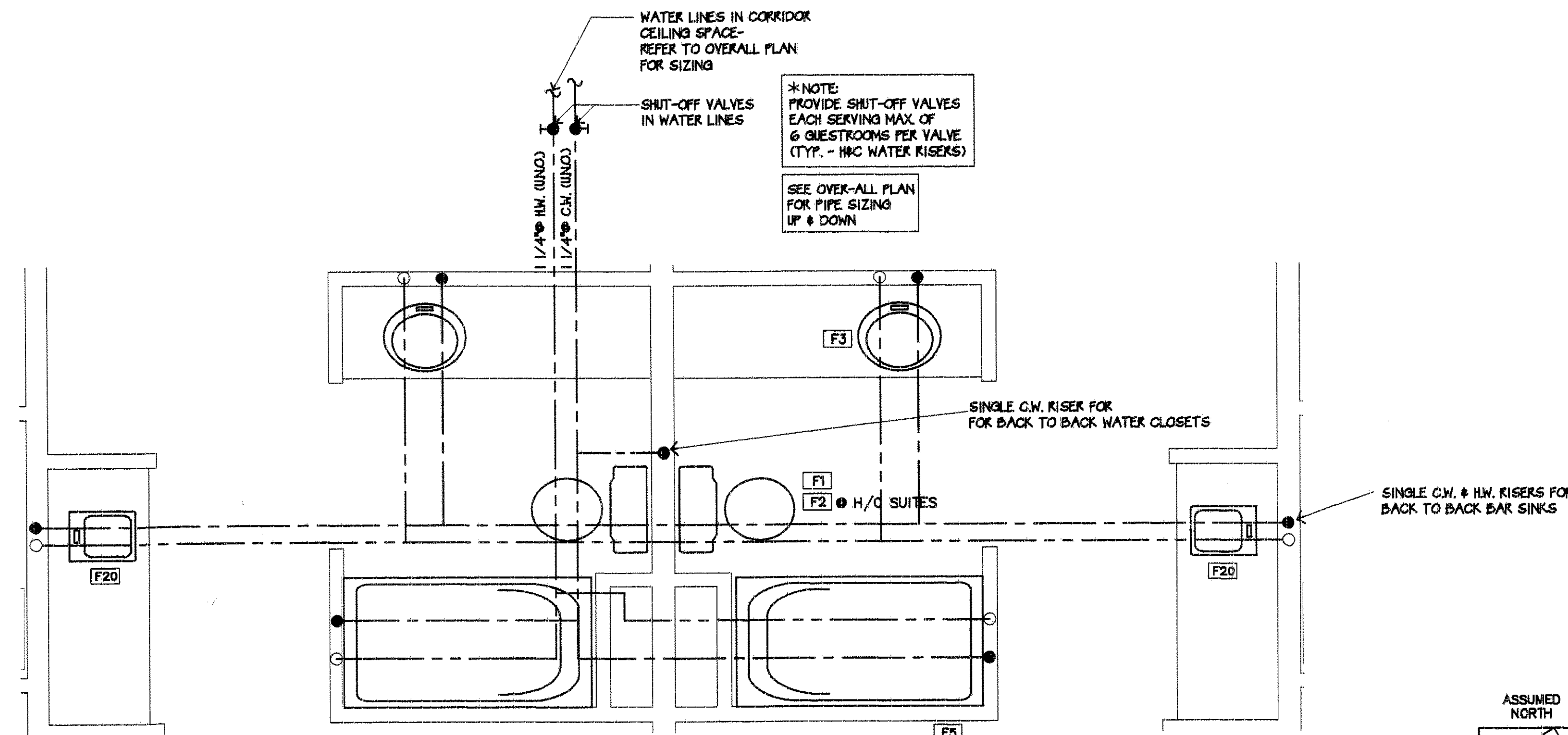
QUAKE-TIE SYSTEM ICBO-ES # ER 5772
NO SPECIAL INSPECTIONS ARE REQUIRED
PER ICBO-ES REPORT



2 GAS SCHEMATIC
SCALE: NONE

KEY NOTES:

- ① 3/4" H.W. & C.W. UP 3/4" H.W. & C.W. DOWN
- ② 1" H.W. & C.W. UP 3/4" H.W. & C.W. DOWN
- ③ 1" C.W. UP 3/4" C.W. DOWN
- ④ 1" H.W. & C.W. UP 3/4" H.W. & C.W. DOWN
- ⑤ 3/4" H.W. & C.W. UP
- ⑥ 1" H.W. & C.W. UP
- ⑦ 3/4" H.W. & C.W. DOWN
- ⑧ 3/4" C.W. DOWN W/ S.O.V.
- ⑨ 1-1/4" H.W. & C.W. DOWN
- ⑩ 3/4" C.W. DOWN
- ⑪ 1" C.W. DOWN
- ⑫ 3/4" C.W. UP
- ⑬ 1" C.W. UP
- ⑭ LOCATE WATER CONNECTIONS/ VALVES PER CA. TITLE 24 REQ'TS. -REFER TO SHEET HS2 FOR DETAILED INFORMATION.
- ⑮ 3/4" H.W. & C.W. DOWN
- ⑯ GAS METER LOCATION -VERIFY W/ SERVING UTILITY CO.
- ⑰ 2" GAS RISER UP IN WALL
- ⑱ STUB & CAP 1 1/4" GAS LINE FOR SPA HEATER
- ⑲ 3/4" GAS LINE UP TO 2nd FLOOR GUEST LAUNDRY
- ⑳ 1 1/4" GAS LINE TO EACH CLOTHES DRYER
- ㉑ 3/4" FOR WARMING TABLES W/ S.O.V.
- ㉒ 3/4" FOR COOLING TABLES W/ S.O.V.
- ㉓ WASTE RISER UP TO 3rd FLOOR -REFER TO SHEET P4
- ㉔ 3/4" GAS LINE TO GUEST LAUNDRY
- ㉕ WATER HAMMER ARRESTER F28 -J.R. SMITH #5020 -PROVIDE FOR ACCESS PER LOCAL GOVERNING AUTHORITY
- ㉖ 1/2" H.W. & C.W. DOWN
- ㉗ 3/4" C.W. S.O.V. FOR FUTURE COFFEE MAKER
- ㉘ 3/4" H&C W/ S.O.V. FOR WASH. MACHINE
- ㉙ 1/2" C.W. DOWN



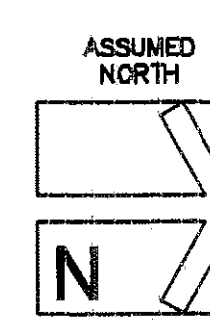
1 GUEST BATH PLUMBING LAYOUT TYPICAL (U.N.O.)
SCALE: 1/2"=1'-0"

NOTE:

1. WATER SUPPLY TO BE 8" AFF. FOR WATER CLOSET (TYP.)
2. ALL EXPOSED PIPING WHERE VISIBLE TO BE CHROME
3. INSULATE ALL HOT & COLD WATER LINES IN BUILDING

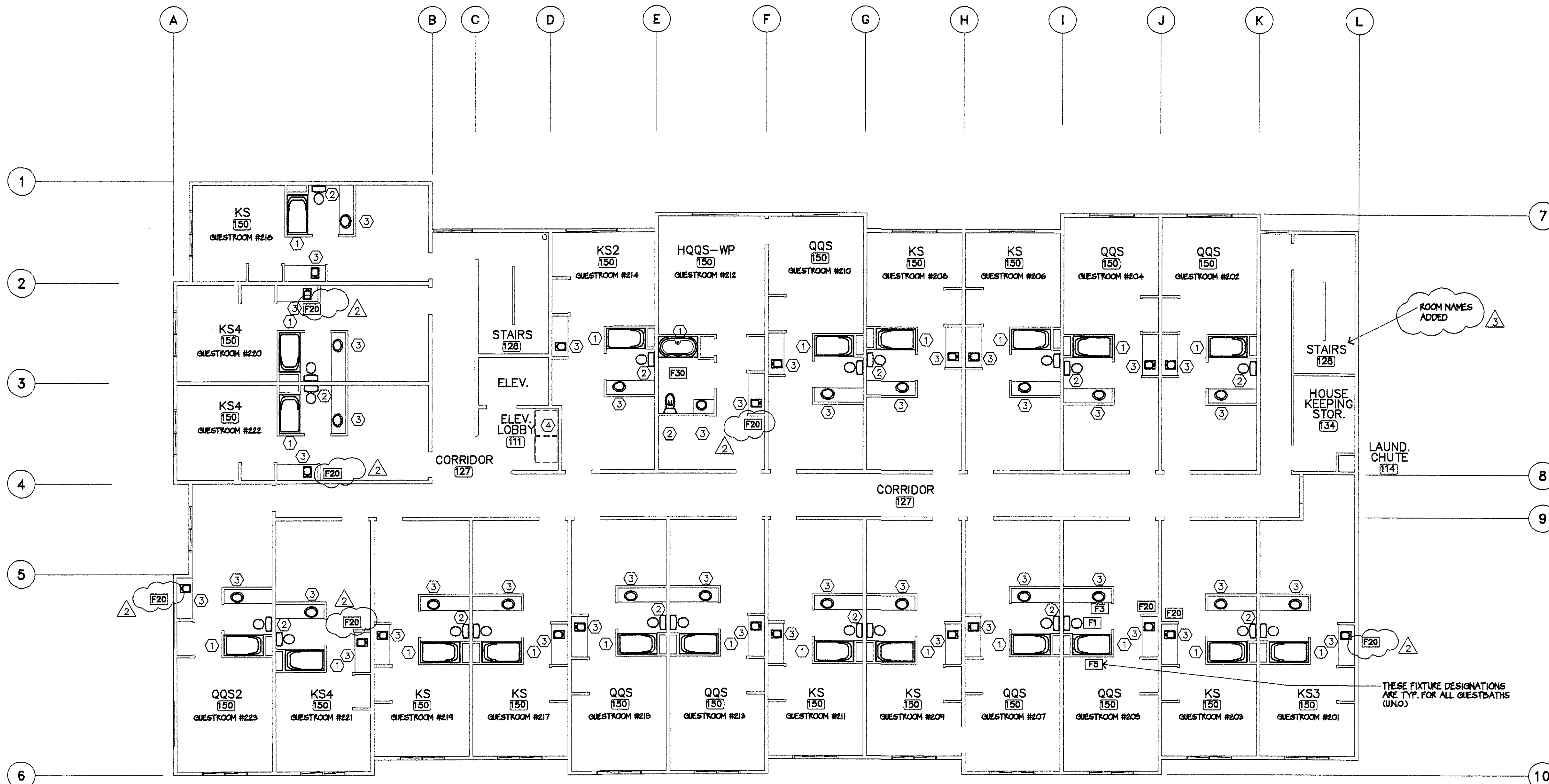
NOTE:

- REFER TO SHEET FS1 & FS2 FOR FIRE-RATED WALL LOCATIONS
- FOR PURPOSES OF PENETRATIONS REFER TO SHEET FS1 FOR FIRE STOP INDEX
- REFER TO ARCHITECTURAL DRAWINGS FOR DESIGNATION AND LISTING OF FIRE RATED ASSEMBLY DESIGN NUMBERS. COORDINATE MECHANICAL REQUIREMENTS WITH FIRE RESISTANCE OF MATERIALS AND CONSTRUCTION.
- REFER TO DETAIL 1/P1 FOR TYPICAL GUEST BATH LAYOUT
- COORDINATE PLUMBING LINES WITH STRUCTURAL REQ'TS. (REFER TO STRUCTURAL DRAWINGS)
- [F1] INDICATES PLUMBING FIXTURE DESIGNATION -REFER TO SCHEDULE ON SHEET P7
- REFER TO SHEET P2 FOR STANDARD PLUMBING NOTES



MAIN FLOOR - PLUMBING WATER PIPING FLOOR PLAN
SCALE: 3/32"=1'-0"

F-24-08=2734
30"
F-25-08=3332
34"



NOTE:

- ALL FIXTURES, MATERIALS AND WORKMANSHIP SHALL BE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE UNIFORM PLUMBING CODE AND STATE OF CALIFORNIA TITLE 24 HANDICAP REQUIREMENTS & LOCAL ORDINANCES.
- PLUMBING CONTRACTOR TO FURNISH ALL APPLICABLE PERMITS AND INSPECTION FEES AS REQUIRED BY LOCAL CODES.
- OWNER SHALL PAY FOR ALL SEWER CONNECTION CHARGES, WATER METER AND TAP FEES, AND MAJOR FACILITIES CHARGES AS MAY BE REQUIRED BY LOCAL GOVERNING AUTHORITIES.
- ROUGH-IN AND CONNECT TO ALL FIXTURES AND EQUIPMENT REQUIRING GAS, WATER OR WASTE LINES AS INDICATED ON PLANS.
- INSULATE HOT WATER LINES AND DRAIN LINES UNDER LAV'S. WITH 3/4" THICK INSULATION PER TITLE 24 REQUIREMENTS.
- PROVIDE CLEANOUTS ON ALL WASTE LINES AT UPPER TERMINAL OF EACH RUN OF PIPING, LINE TERMINATIONS, CHANGES IN DIRECTION AND AT 100 FT. INTERVALS (PER U.P.C.).
- PROVIDE CONDENSATE DRAIN FROM EACH AIR CONDITIONING UNIT ON ROOF (OR IN ATTIC) TO APPROVED LOCATION PER LOCAL GOVERNING AUTHORITY/VERIFY LOCAL REQUIREMENTS AND APPROVED MATERIALS. (3/4" MIN.) SLOPE 1/4"/FT. MINIMUM.
- LAVATORY AND SINK FAUCETS SHALL BE CERTIFIED BY THE MANUFACTURER WITH THE CALIFORNIA ENERGY COMMISSION/ COMPLY WITH TITLE 24 REQUIREMENTS FOR MAXIMUM ALLOWABLE FLOW RATES. (3 G.P.M. MAX.)
- PLUMBING CONTRACTOR SHALL COORDINATE WITH ALL OTHER DISCIPLINES. (E. STRUCTURAL, MECHANICAL, & ELECTRICAL).
- PLUMBING CONTRACTOR SHALL FURNISH ALL EQUIPMENT, MATERIAL, LABOR, ETC., WHETHER SHOWN ON THESE PLANS OR NOT, NECESSARY TO PROVIDE A COMPLETE, WORKABLE, AND CODE-APPROVED PLUMBING SYSTEM.
- GAS MAIN AND METER TO BE BY UTILITY COMPANY (VERIFY LOCATION). PROVIDE GAS SHUT-OFF VALVE CONSPICUOUSLY MARKED.

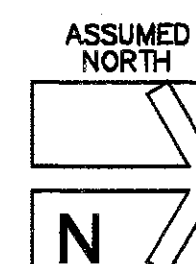
- PROVIDE WATER HEATER WITH PRESSURE, TEMP., RELIEF VALVE AND 3/4" DRAIN LINE TO THE EXTERIOR OF BUILDING WITH THE END OF THE PIPE NOT MORE THAN TWO (2) FEET NOR LESS THAN SIX (6) INCHES ABOVE THE GROUND AND POINTING DOWNWARD.
- VERIFY ALL EXISTING CONDITIONS (ON-SITE) AND UTILITY CONDITIONS (OFF-SITE) PRIOR TO BIDDING AND CONSTRUCTION/ NOTIFY ARCHITECT (ENGINEER) OF ANY DISCREPANCIES AND/OR CONDITIONS OTHER THAN THOSE SHOWN.
- STORAGE TYPE WATER HEATERS MUST BE WRAPPED WITH AN INSULATION BLAKET HAVING AN R-VALUE OF 12 OR GREATER.
- SEPARATE PERMITS ARE REQUIRED FOR EACH PIECE OF EQUIPMENT REQUIRING GAS, WATER, OR WASTE CONNECTIONS.
- ALL LAVATORIES AND SINKS SHALL COME COMPLETE WITH NECESSARY TRIM, "P" TRAP, AND TAIL PIECE CONNECTIONS.
- WHERE WATER AND SEWER PIPES ARE RUN IN THE SAME TRENCH
A. THE BOTTOM OF THE WATER PIPE AT ALL POINTS SHALL BE AT LEAST 12" ABOVE THE TOP OF THE SEWER.
B. THE WATER PIPE SHALL BE PLACED ON A SOLID SHELF EXCAVATED AT ONE SIDE OF A COMMON TRENCH.
- WATER HEATER TO BE ANCHORED OR STRAPPED TO PREVENT DISPLACEMENT AND SHALL HAVE A RECOVERY EFFICIENCY OF NOT LESS THAN 75% AND A STANDBY LOSS NOT TO EXCEED 2.3 + 67/RATED VOLUME AS REQUIRED BY THE STATE OF CALIFORNIA ENERGY CONSERVATION STANDARDS. CONTRACTOR SHALL SUBMIT MANUFACTURER'S COMPLIANCE CERTIFICATION WITH EQUIPMENT SUBMITTALS.
- ALL SINKS MUST BE EQUIPPED WITH HOT AND COLD WATER DISPENSED FROM MIXING FAUCETS.
- ENTIRE WASTE & VENT SYSTEM TO BE CAST IRON. TRAPS, TRAP ARMS AND SINK TAILPIECES SHALL BE METAL. WATER LINES TO BE TYPE "L" COPPER PIPE UNDER SLAB & TYPE "K" WITHIN BUILDING. (PLASTIC PIPING NOT PERMITTED)/TYPE "M" COPPER TUBING SHALL NOT BE USED FOR WATER PIPING UNDER GROUND INSIDE BUILDING.
-GAS PIPING TO BE BLACK CARBON STEEL (SCHEDULE 40)
- VENT PIPING TO BE GALVANIZED.

- NO VENT PIPE SHALL TERMINATE CLOSER THAN 10 FT. FROM ANY INTAKE AIR.
- PROVIDE BACKFLOW PREVENTION DEVICE IF REQUIRED BY CODE OR LOCAL GOVERNING AUTHORITY. CONTRACTOR SHALL VERIFY THIS W/GOVERNING JURISDICTION AND INCLUDE COST OF SAME IN BID.
- ALL VENTS AND PIPING THRU ROOF SHALL BE FLASHED AND COUNTER FLASHED AS REQUIRED TO MAKE WATERTIGHT.
- ALL FLOOR DRAINS REQUIRE TRAP PRIMERS.
-PRECISION PLUMBING PRODUCTS MODEL #PR-500 (UNDER LAV.)
- PROVIDE TE BETWEEN DOWNSPOUTS & SITE DRAINAGE.
(REFER TO GRADING PLAN FOR DOWNSPOUT & AREA DRAIN LOCATIONS)
- HOSE BIBBS SHALL BE PROTECTED BY APPROVED NON-REMOVABLE BACKFLOW PREVENTION DEVICES.
- PROVIDE "NO CAULK" TYPE ROOF JACKS FOR ALL ROOF PENETRATIONS.
- PROVIDE THRUST BLOCKS PER CODE IF RUBBER GASKETED JOINT FIRE SERVICE PIPING IS PROPOSED.
- PROVIDE STAINLESS STEEL FLEX CONNECTIONS FOR SUPPLY AT WATER CLOSETS./ ANGLE STOPS TO BE BRASS
- ALL TUB/SHOWER OPENINGS SHALL BE RODENT-PROOF WITH 1" CEMENT COVERING IN AN APPROVED MANNER
- PLUMBING CONTRACTOR TO VERIFY LOCATION OF WATER CLOSET WASTE W/ FLOOR JOIST LAYOUT. LOCATE WATER CLOSET TO CAUSE NO INTERFERENCE TO CONTINUOUS FLOOR JOIST FRAMING.
-REFER TO DETAIL 14/S6 FOR FRAME OUT CONDITION WHERE RELOCATION OF WATER CLOSET IS NOT POSSIBLE
- ALL PIPING SHALL BE CONCEALED WITHIN BUILDING COMPONENTS, AND SHALL NOT BE EXPOSED TO PUBLIC VIEW. NOTIFY ARCHITECT WHEN CONCEALING SUCH CANNOT BE ACHIEVED
- PROVIDE (MIN.) 12"x12" ONE-HOUR RATED ACCESS PANEL (WALL OR CEILING) AS REQUIRED FOR ACCESS TO PLUMBING VALVES, ETC.

- ALL DOMESTIC WATER VALVES UP TO & INCLUDING OPEN 2 INCHES IN SIZE SHALL BE MADE OF BRASS OR OTHER APPROVED MATERIALS.
-EACH GATE VALVE SHALL BE FULL-WAY TYPE WITH WORKING PARTS OF NON-CORROSIVE MATERIAL
- DRAINAGE CONNECTION SHALL NOT BE MADE INTO DRAINAGE PIPING SYSTEM WITHIN EIGHT (8) FEET (VERTICAL & HORIZONTAL) OF ANY VERTICAL OR HORIZONTAL CHANGE OF DIRECTION OF A STACK CONTAINING SUDS-PRODUCING FIXTURES
- PROVIDE SLEEVES FOR ALL PIPING PASSING THROUGH CONCRETE FLOORS OR WALLS
-SLEEVES SHALL BE SIZED SO THAT THERE IS A MINIMUM OF ONE HALF (1/2) INCH CLEARANCE AROUND THE PIPE AND OR INSULATION
- THE BACKFLOW ASSEMBLY & DEVICE SHALL BE PROTECTED FROM FREEZING BY A METHOD ACCEPTABLE TO THE CITY

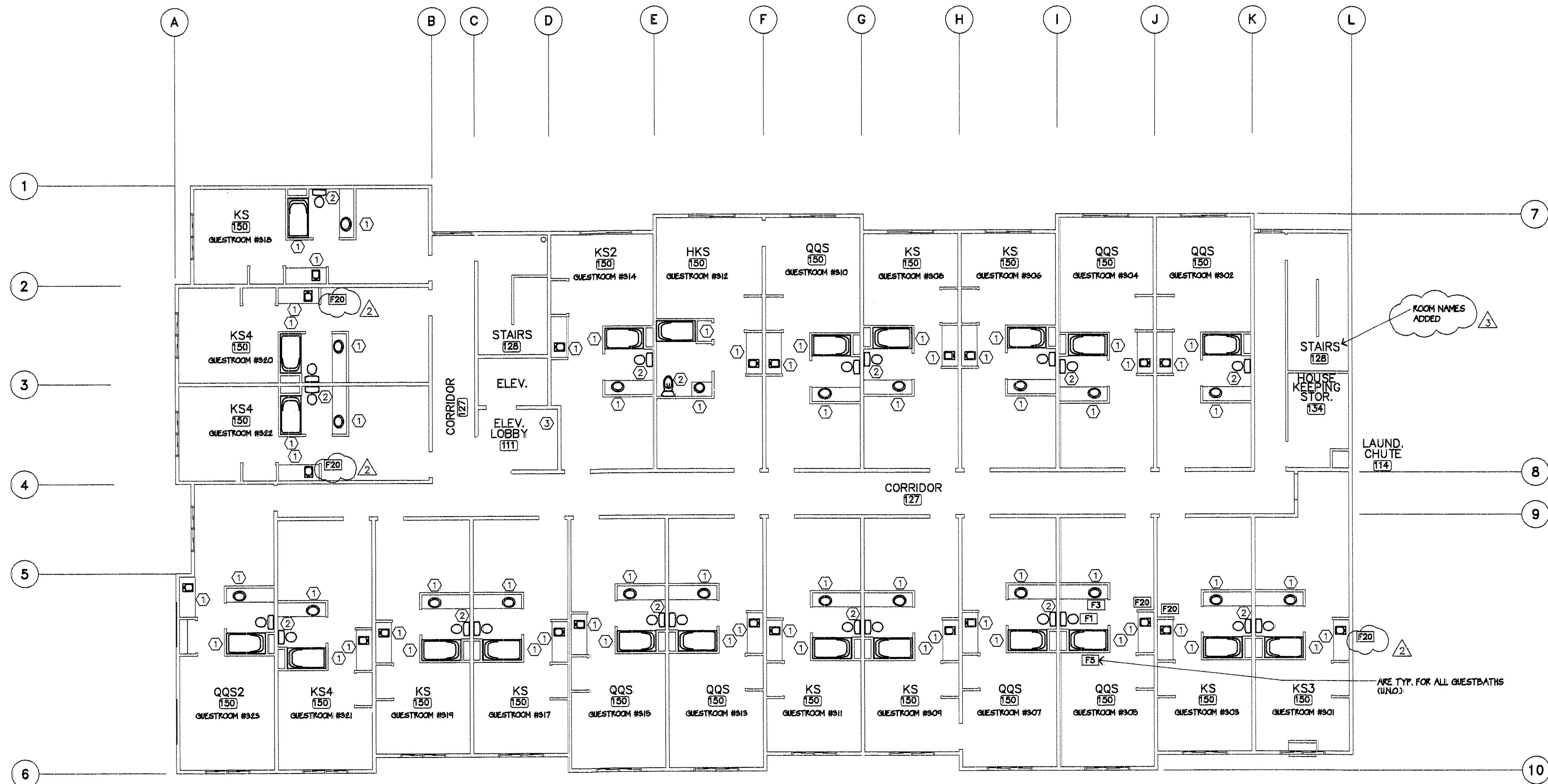
KEY NOTES:

- 3/4" H & C UP, 1" H & C DOWN
- 1" C. UP, 1" C. DOWN
- 3/4" H & C UP, 3/4" H & C DOWN
- 3/4" C. UP & 1" C DOWN W/ S.O.V. @ ICE MACHINE



**2ND FLOOR - PLUMBING
WATER PIPING
FLOOR PLAN**
SCALE: 1/8"=1'-0"

F:\ARCH\SC\SD\DP\VISA-P2.DWG



KEY NOTES:

- 1 3/4" H & C DOWN
- 2 1" C. DOWN
- 3 3/4" C. DOWN W/ S.O.V. @ ICE MACHINE

REVISIONS PER ARCHITECT CLARIFICATION 7/3/02

REVISIONS PER OWNER REQUEST 7/3/02



3RD FLOOR - PLUMBING WATER PIPING FLOOR PLAN

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

LEE GAGE & ASSOC., INC.

LEE GAGE & ASSOCIATES, INC.
architecture • engineering • planning
7836 n. ingram suite 107 fresno, california 93711 phone (559) 439-2222

THIS DOCUMENT IS THE PROPERTY OF LEE GAGE & ASSOCIATES, INC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. NO PART OF THIS DOCUMENT IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF LEE GAGE & ASSOCIATES, INC.

HAWTHORN SUITES LTD.

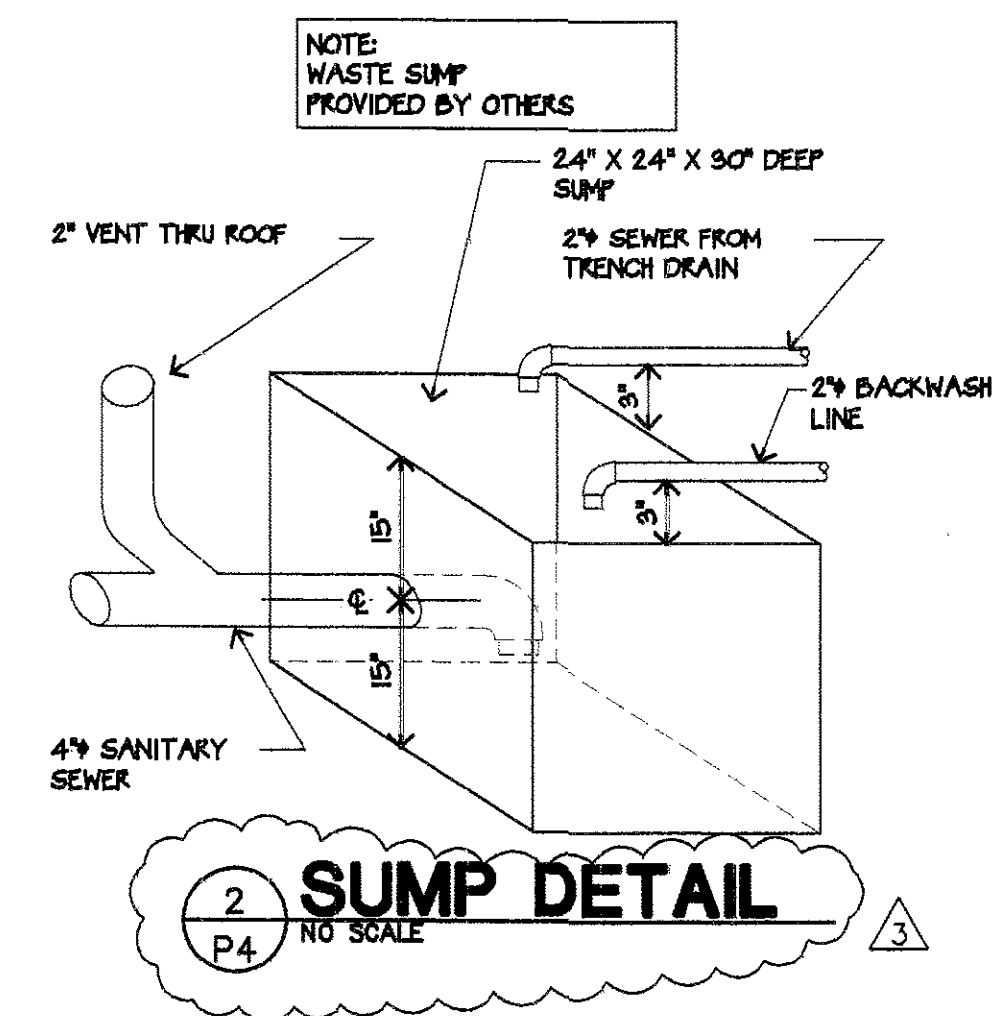
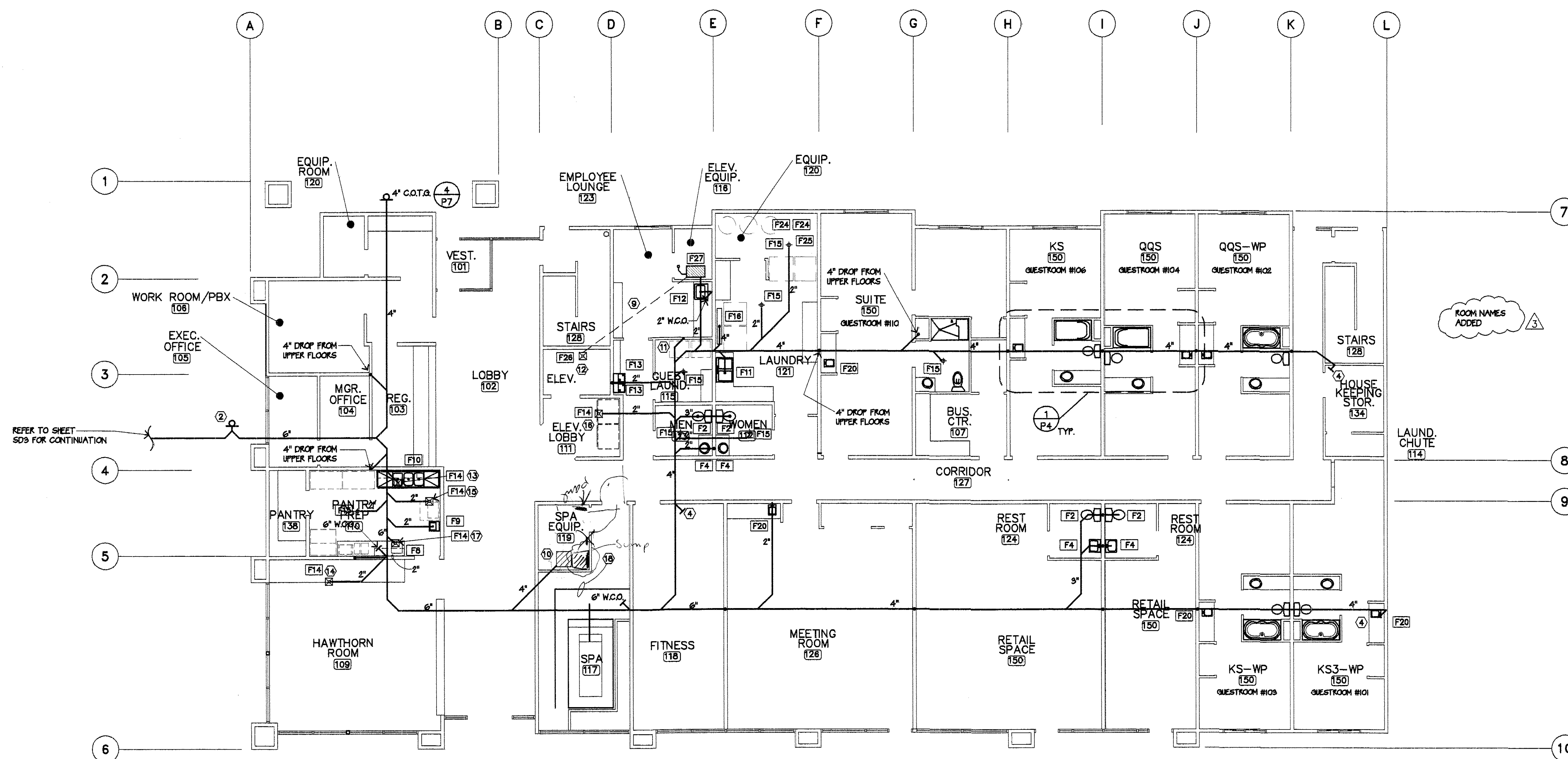
PROPOSED: 100 WESTER STREET, ALAMEDA, CA 94601
OWNERS: **ALAMEDA HOSPITALITY, LLC**
1940 FRANCISCAN WAY, SUITE #10
ALAMEDA, CA 94601 PHONE/FAX (510) 814-9881

07/09/02

RECEIVED
JUL 10 2002
CENTRAL PERMITS
ALAMEDA, CA 94601

RECEIVED
JUL 10 2002
CENTRAL PERMITS
ALAMEDA, CA 94601

P3
SHEET
OF



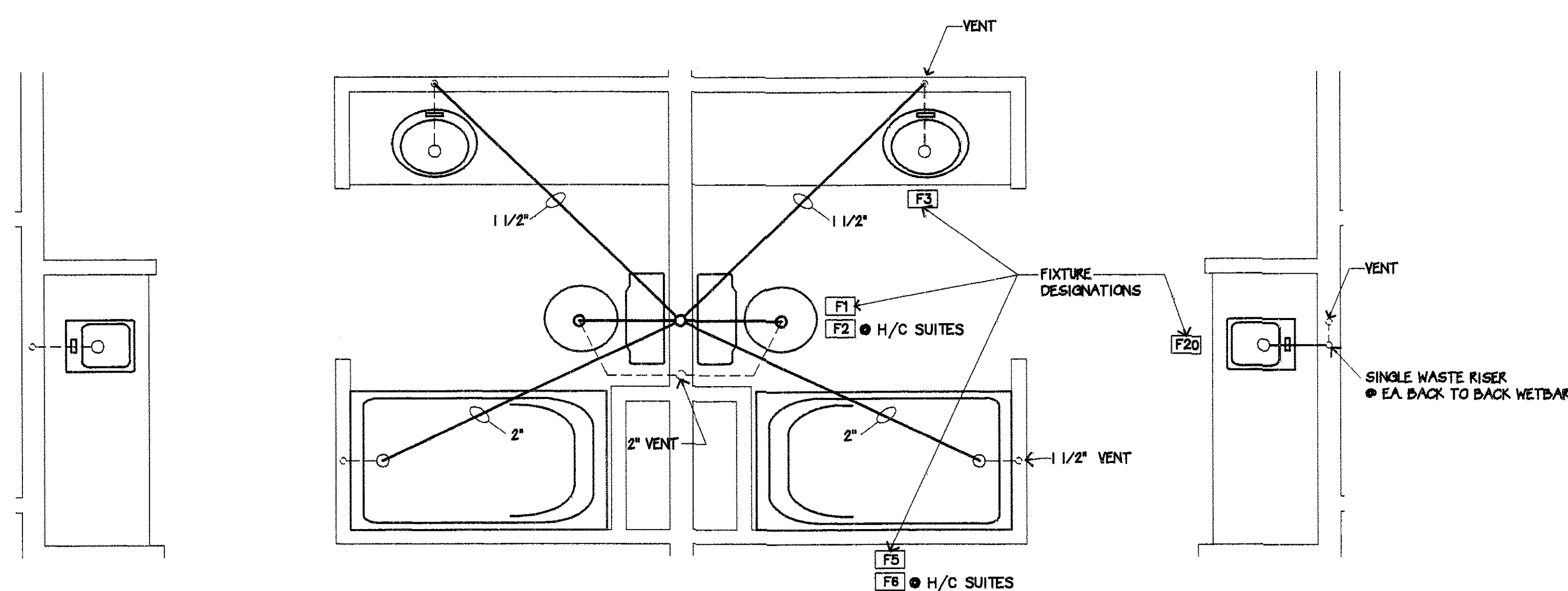
- REVISIONS PER ARCHITECT CLARIFICATION 7/3/02
- REVISIONS PER OWNER REQUEST 7/3/02

KEY NOTES:

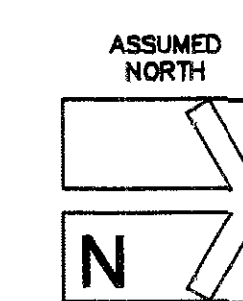
- REFER TO UTILITIES SITE PLAN (SHEET S02) FOR CONT. & CONNECTION TO EXISTING SEWER MAIN FACILITIES
- 2-WAY SEWER MAIN BUILDING CLEANOUT TO GRADE. PER CITY OF ALAMEDA STANDARD PLAN DRAWING 9387, CASE 34 - PROVIDE AN APPROVED TWO-WAY CLEANOUT FITTING PER LOCAL GOVERNING AUTHORITY JURISDICTION/ALLOW FOR THE OPERATOR TO VERIFY WHERE CLEAN-OUT INSTRUMENT "SNAKE" IS GOING SUBMIT TO CITY & OBTAIN APPROVAL PRIOR TO INSTALLATION
- 3" SEWER CLEANOUT IN WALL / DETAIL 3/P7
- 4" SEWER CLEANOUT IN WALL / DETAIL 3/P7
- 6" SEWER CLEANOUT TO GRADE / DETAIL 4/P7
- PLUMBING FIXTURE DESIGNATIONS REFERENCED ARE TYPICAL FOR ALL GUEST BATHS U.N.O. FOR ACCESSIBLE UNITS.
- 2" SEWER CLEANOUT IN WALL / DETAIL 3/P7
- 4" SEWER CLEANOUT TO GRADE / DETAIL 4/P7
- SUMP PUMP DISCHARGE PIPE (1 1/2") TO OIL INTERCEPTOR - SET INTERCEPTOR FLUSH IN CONC. FLOOR - REFER TO DETAIL 6/A6 FOR ADDITIONAL REQ'TS.
- 24" SQ. x 30" DP. SUMP IN SPA EQUIPMENT ROOM - LOCATE SUMP OUTSIDE OF STRUCTURAL FOOTING (COORD. w/SHEET S2) - REFER TO DETAIL 2/P4
- 2" SEWER W/ TRAP FOR GUEST LAUNDRY
- SUMP IN ELEVATOR PIT WITH SUMP PUMP - REFER TO DETAIL 2/A6
- INDIRECT DRAIN FOR POT SINK & DISHWASHER
- INDIRECT DRAIN FOR FOODWARMER
- CONDENSATE INDIRECT WASTE FOR ICE STORAGE BIN
- CONDENSATE INDIRECT WASTE FOR ICE VENDING MACHINE
- INDIRECT DRAIN FOR PREP SINK
- MICRO-DRAIN AROUND SPA (2 SIDES) / DRAIN TO SUMP IN EQUIP. RM.

NOTE:

- PROVIDE CONDENSATE DRAINS FROM EACH HVAC UNIT IN APPROVED MANNER (INCLUDING PTAC UNITS) TO APPROVED LOCATIONS PER APPL. CODE & LOCAL GOVERNING AUTHORITY REQUIREMENTS.
- REFER TO TYPICAL PLUMBING NOTES ON SHEET P2
- ALL SEWER LINES TO RUN UNDER EACH FLOOR - HORIZONTAL WASTE LINES SHALL HAVE A MINIMUM SLOPE OF 1/4"/FT. (UNO)
- PROVIDE 2" W.C.O. UNDER LAVATORY IN EACH GUEST BATH ON MAIN FLOOR ONLY - REFER TO DETAIL 3/P7
- REFER TO DETAIL 3/P7 FOR TYPICAL WALL CLEANOUT INSTALLATION

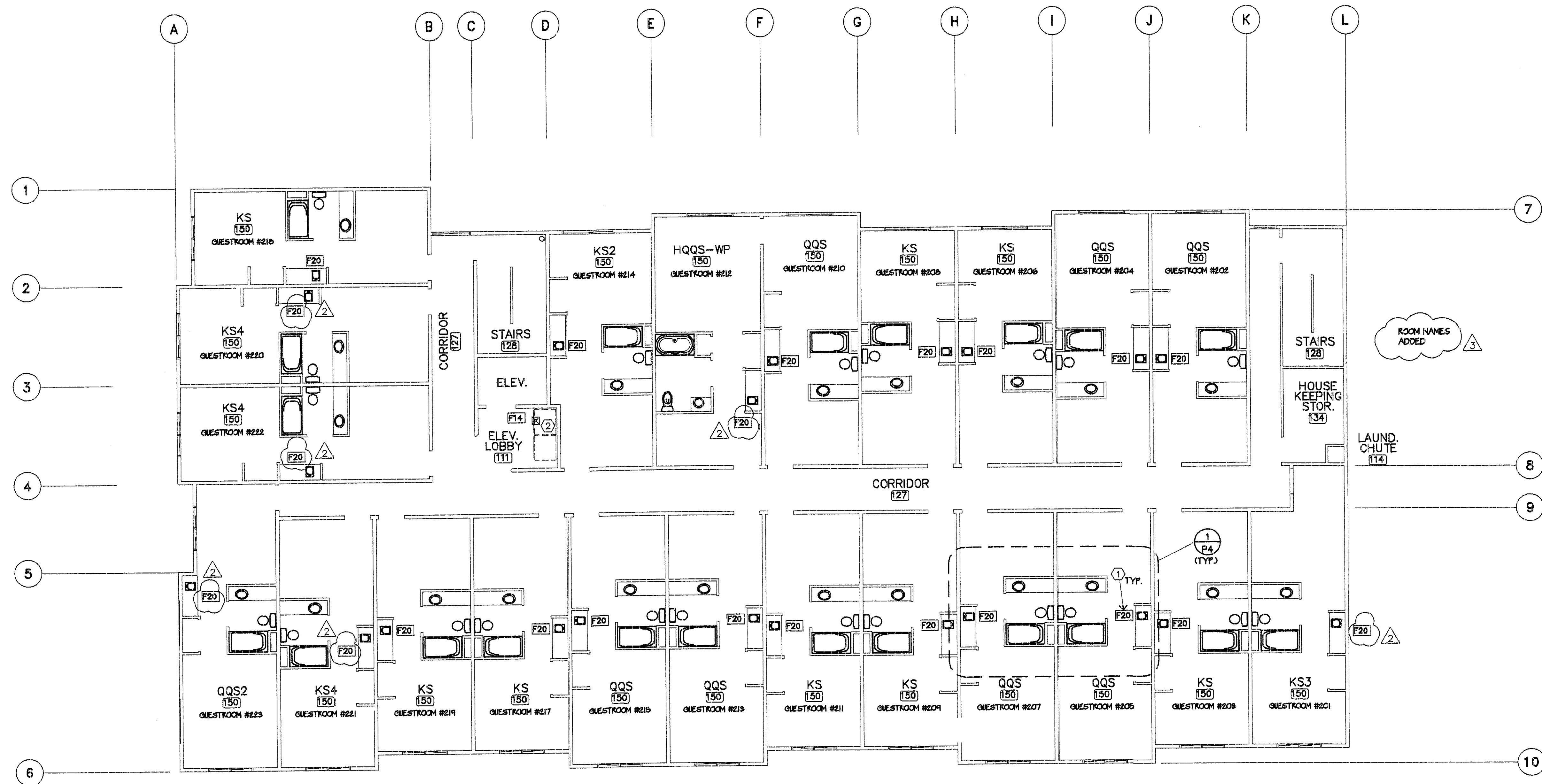


TYPICAL GUEST BATH WASTE PLAN
SCALE 1/2"=1'-0"



MAIN FLOOR - PLUMBING SEWER PIPING FLOOR PLAN

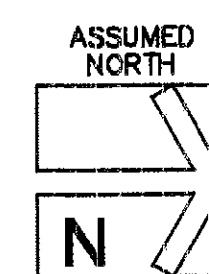
SCALE: 1/8"=1'-0"



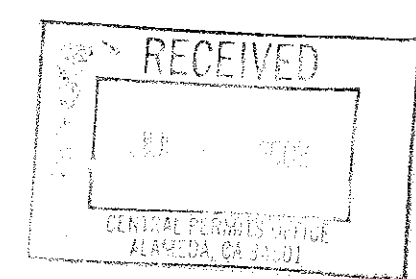
- REVISIONS PER ARCHITECT CLARIFICATION 7/3/02
- REVISIONS PER OWNER REQUEST 7/3/02

KEY NOTES:

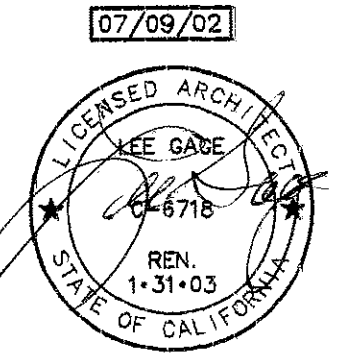
- ① PLUMBING FIXTURE DESIGNATIONS REFERENCED ARE TYP. FOR GUESTBATHS FOR U.N.O. FOR ACCESSIBLE UNITS
- ② FLOOR SINK FOR INDIRECT WASTE (ICE MACH.) / 2" WASTE REQ'D. -VERIFY W/ OWNER FOR EXACT PLACEMENT



2ND FLOOR - PLUMBING
SEWER PIPING
FLOOR PLAN
SCALE: 1/8"=1'-0"



F. VARGHESAN SANDIP VISA-P5.DWG



P5
SHEET
OF

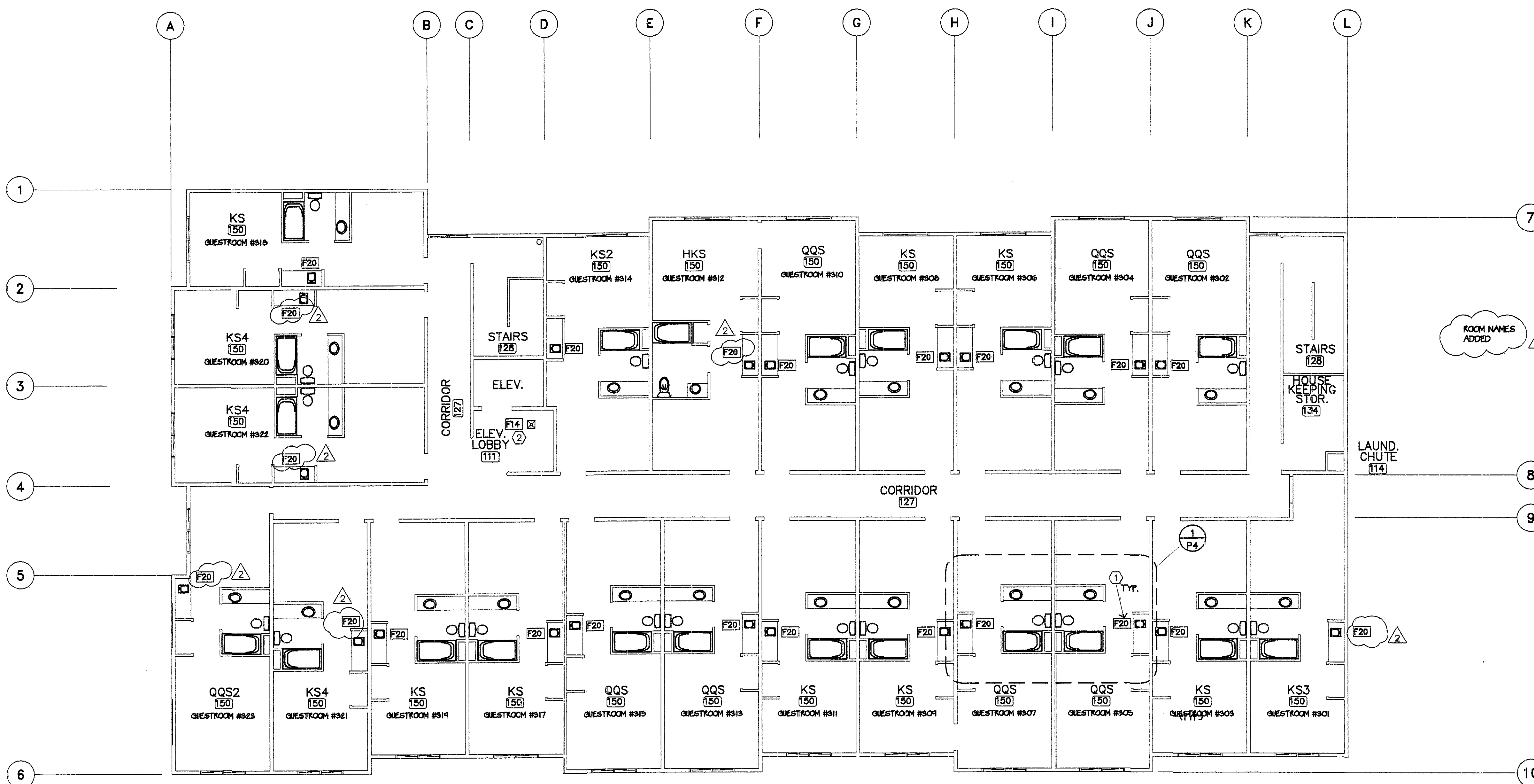
LEE GAGE & ASSOC., INC.
architecture • engineering • planning
7636 n. Ingram suite 107 fresno, california 93711 phone (559) 439-2222

THESE DRAWINGS, DESIGNS, SPECIFICATIONS, AND CALCULATIONS ARE THE EXCLUSIVE PROPERTY OF LEE GAGE & ASSOCIATES, INC. AND WERE CREATED AND DEVELOPED BY LEE GAGE & ASSOCIATES, INC. FOR THE PROJECT DESCRIBED HEREIN. NO PART OF THESE DRAWINGS, DESIGNS, SPECIFICATIONS, AND CALCULATIONS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN CONSENT OF LEE GAGE & ASSOCIATES, INC.

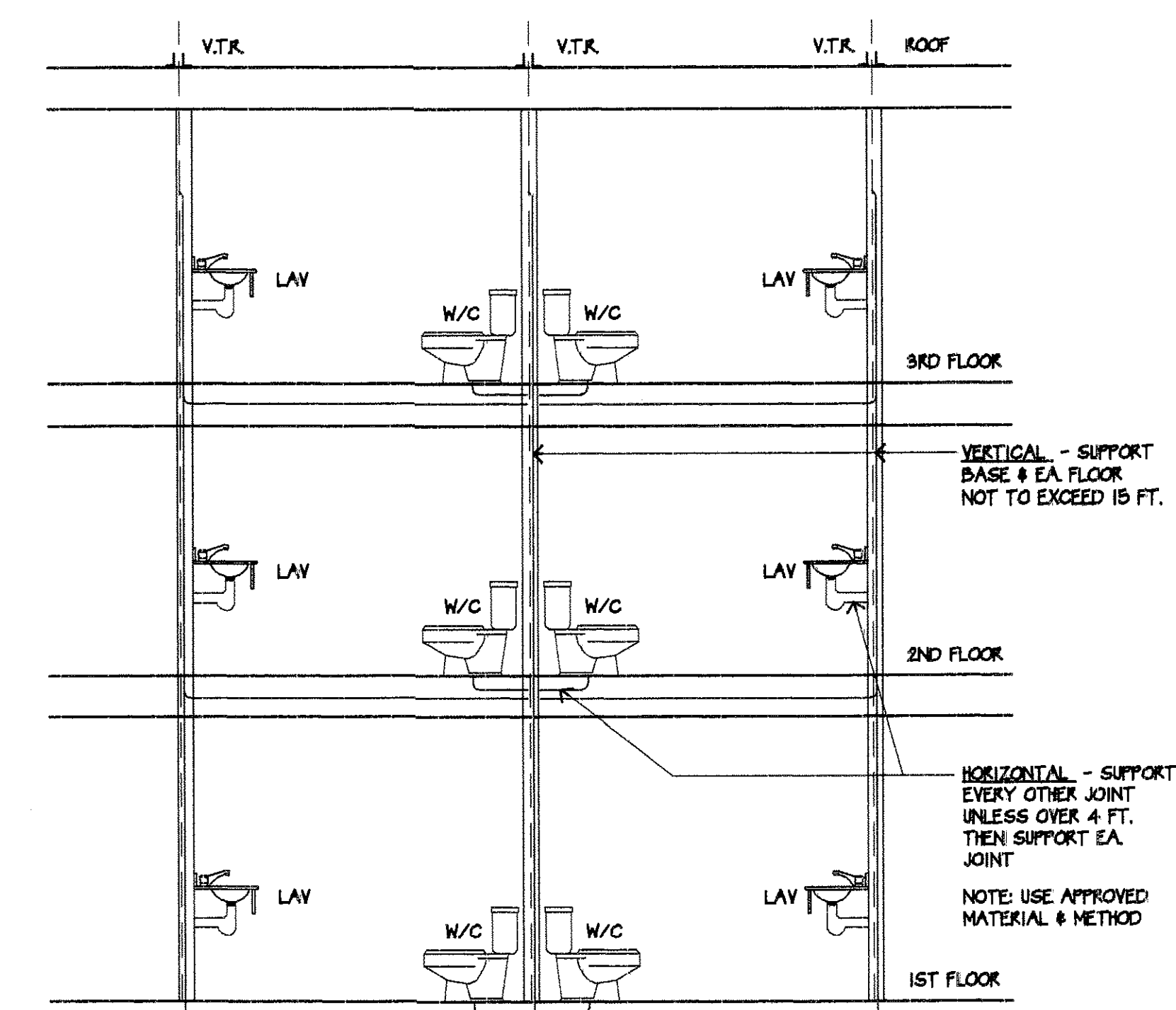


PROPOSED: HAWTHORN SUITES LTD.
1000 BAKER STREET
ALAMEDA, CA 94601
OWNERS: ALAMEDA HOSPITALITY, LLC
1000 BAKER STREET
ALAMEDA, CA 94601 PHONE/FAX(910) 614-9801

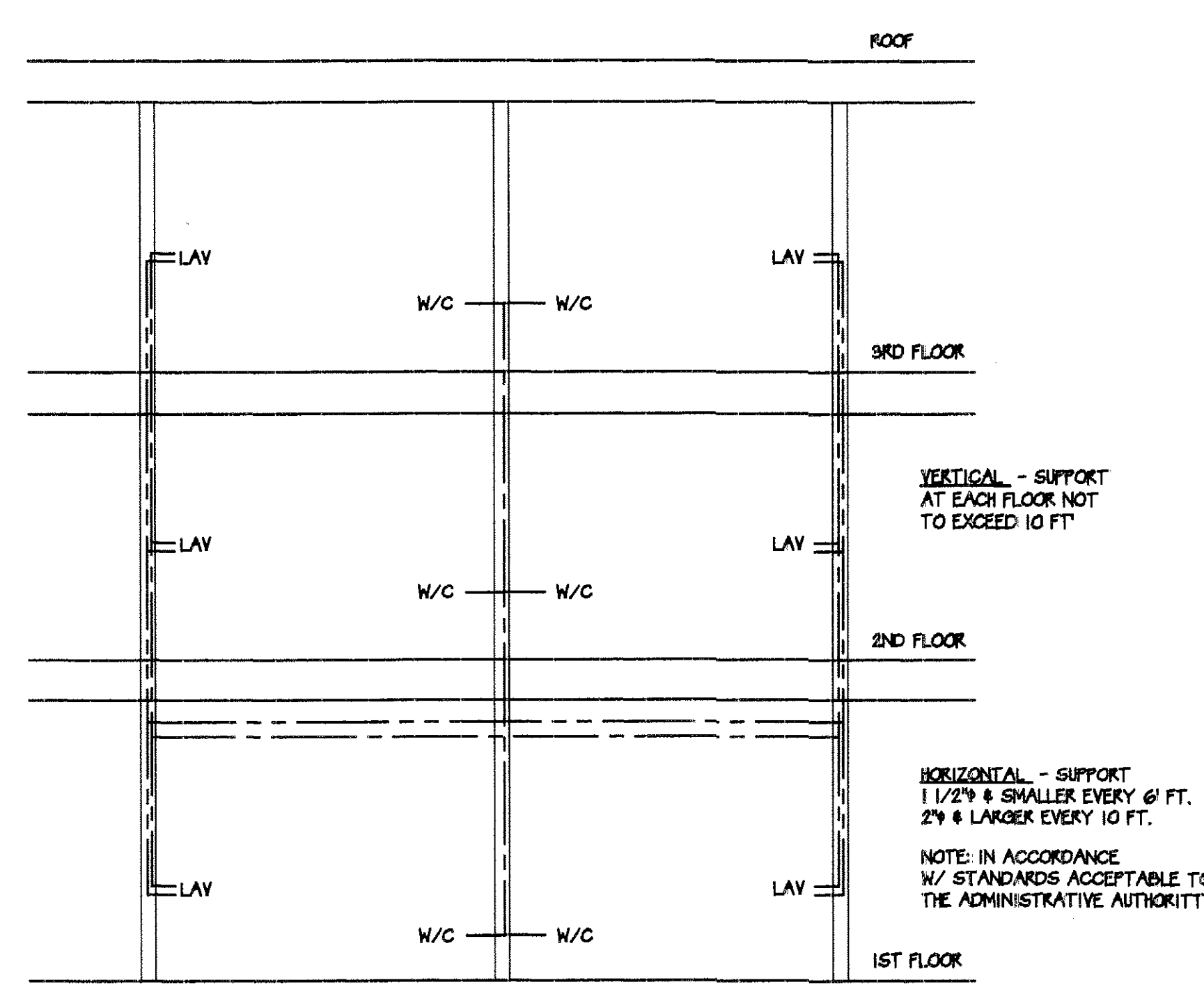
07/09/02



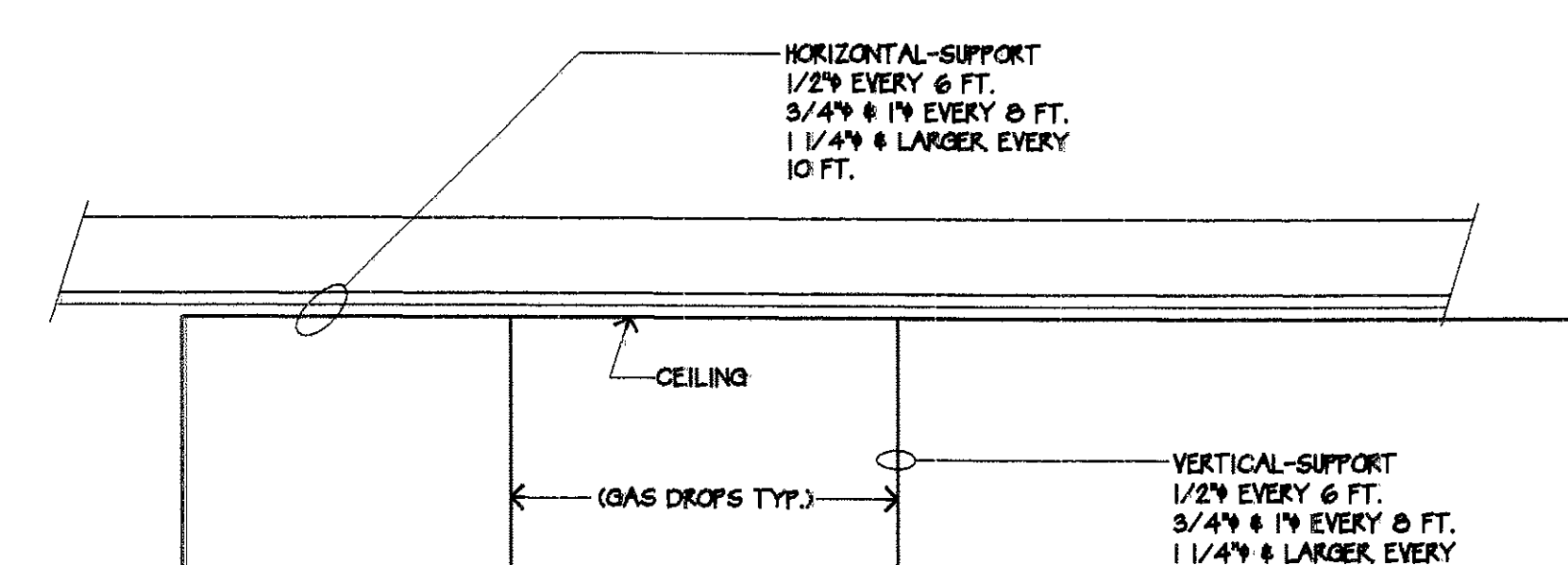
REVISIONS PER ARCHITECT CLARIFICATION 7/3/02
 REVISIONS PER OWNER REQUEST 7/3/02



1 TYPICAL WASTE SUPPORT DETAIL
 SCALE: NO SCALE



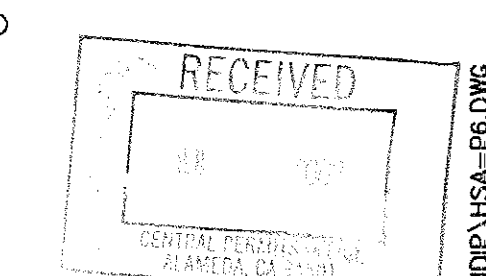
2 TYPICAL WATER SUPPORT DETAIL
 SCALE: NO SCALE



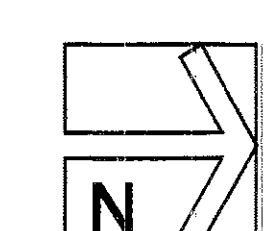
3 TYPICAL GAS SUPPORT DETAIL
 SCALE: NO SCALE

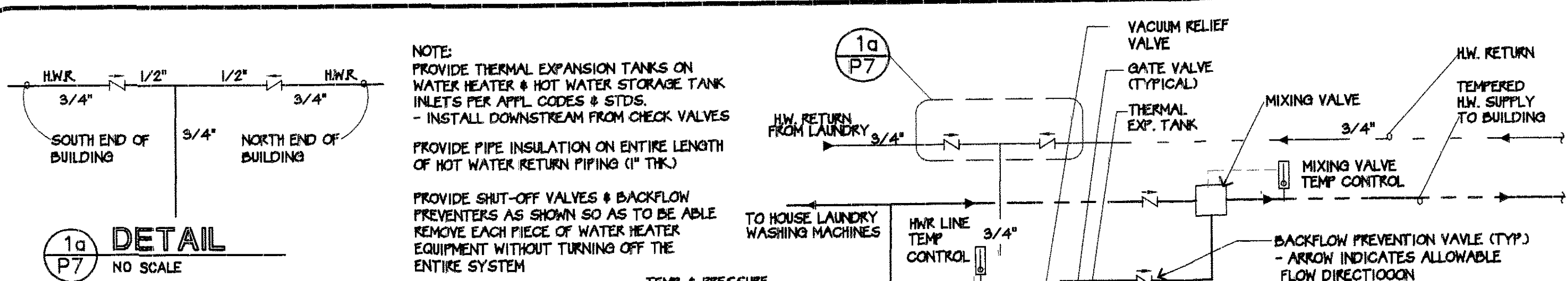
KEY NOTES:

- 1 PLUMBING FIXTURE DESIGNATIONS REFERENCED ARE TYP. FOR GUESTBATHS FOR U.N.O. FOR ACCESSIBLE UNITS
- 2 FLOOR SINK FOR INDIRECT WASTE (ICE MACH.) / 2\"/>



3RD FLOOR - PLUMBING SEWER PIPING FLOOR PLAN
 SCALE: 1/8\"/>





- WATER HEATER INSTALLATION** '97 UPC INSTALLATION SHALL COMPLY WITH THE FOLLOWING:
- P & T VALVE SHALL TERMINATE OUTSIDE OF THE BUILDING, SEC. 508.5.
 - PROVIDE THERMAL EXPANSION CONTROL PER SEC. 508.3.
 - PROVIDE SEISMIC RESTRAIN (TOP & BOTTOM) PER SEC. 510.5.
 - FUEL BURNING UNITS SHALL HAVE COMBUSTION AIR PER SEC. 507.0.
 - WHERE DAMAGE MAY RESULT FROM A LEAKING HEATER, PROVIDE A WATERTIGHT PAN (WITH DRAIN) PER SEC. 510.7.
 - WATER HEATERS MORE THAN 8 FEET HIGH ABOVE THE GROUND SHALL BE PROVIDED WITH ACCESS VIA A PERMANENT LADDER, SEC. 511.2.
 - PROVIDE 30 INCHES BY 30 INCHES WORKING SPACE IN FRONT OF THE FIRE BOX PER SEC. 511.5.

WATER SIZING CALCULATION

FIXTURE UNITS $429 = 115$ G.P.M.
 TOTAL DISTANCE FROM WATER METER TO FURTHEST FIXTURE 150 FT.
 TOTAL RISE FOR HEAD LOSS 35 FT. X $0.43 = 15.05$ P.S.I.
 P.S.I. REQUIRED FOR FLUSH TANK WATER CLOSET (PRESS. ASSISTED) 13.00 P.S.I.
 P.S.I. FLOW LOSS THROUGH METER (APPENDIX A: CHART A-1) (2-2") 4.50 P.S.I.
 P.S.I. REQUIRED FOR BACKFLOW PREVENTION DEVICE 12.00 P.S.I.
 AREA MINIMUM P.S.I. 60 W/ PRESSURE BOOSTER PUMP
 TOTAL LOSS IN P.S.I. 46.55
 TOTAL REMAINING P.S.I. 13.45
 P.S.I. AVAILABLE 13.45 150 TOTAL FEET 0.0897 X $100 = 8.97$
 USE LINE 9 ON CHART $A-4$ (TYPE 'K' COPPER).
 2 1/2" PIPE WILL DELIVER 180 G.P.M. TO 800 F.T. UNITS
 2" PIPE WILL DELIVER 90 G.P.M. TO 375 F.T. UNITS
 1 1/2" PIPE WILL DELIVER 53 G.P.M. TO 95 F.T. UNITS
 1 1/4" PIPE WILL DELIVER 32 G.P.M. TO 58 F.T. UNITS
 1" PIPE WILL DELIVER 18 G.P.M. TO 27 F.T. UNITS
 3/4" PIPE WILL DELIVER 8 G.P.M. TO 11 F.T. UNITS
 1/2" PIPE WILL DELIVER 3 G.P.M. TO 3 F.T. UNITS

WASTE FIXTURE UNIT SCHEDULE

FIXTURE	NO. REQD.	UNITS-EACH	UNITS-TOTAL	WASTE	VENT
WATER CLOSET (PRIVATE)	51	3.5	178.5	3"	2"
WATER CLOSET (PUBLIC)	4	5	20	3"	2"
LAVATORY (PRIVATE)	51	1	51	2"	1 1/2"
LAVATORY (PUBLIC)	4	1	4	2"	1 1/2"
TUB OR SHOWER	51	3	153	2"	1 1/2"
LAUNDRY TRAY	1	2	2	2"	1 1/2"
CLOTHES WASHER-COMM.	2	4	8	4"	2"
DRINKING FOUNTAIN	2	1	2	2"	1 1/2"
KITCHEN SINK	1	2	2	2"	1 1/2"
FLOOR DRAIN	5	0	0	2"	1 1/2"
FLOOR SINK	4	1	4	2"	1 1/2"
BAR SINK	53	1	53	2"	1 1/2"
PREP SINK	1	2	2	2"	1 1/2"

TOTAL WASTE UNITS **479.5**

WATER FIXTURE UNIT SCHEDULE

FIXTURE	NO. REQD.	UNITS-EACH	UNITS-TOTAL	COLD SUPPLY	HOT SUPPLY
WATER CLOSET (PRIVATE)	51	2.5	127.5	1/2"	-
WATER CLOSET (PUBLIC)	4	2.5	10	1/2"	-
LAVATORY (PRIVATE)	51	0.5	25.5	1/2"	1/2"
LAVATORY (PUBLIC)	4	1	4	1/2"	1/2"
TUB OR SHOWER	51	3.5	178.5	1/2"	1/2"
LAUNDRY TRAY	1	2.0	2	1/2"	1/2"
CLOTHES WASHER -COMM.	2	10	20	1"	1"
DRINKING FOUNTAIN	2	0.5	1	1/2"	-
HOSE BIBB	4	1	4	3/4"	-
KITCHEN SINK	1	1.5	1.5	1/2"	1/2"
BAR SINK	53	1	53	1/2"	1/2"
PREP SINK	1	1.5	1.5	1/2"	1/2"

TOTAL WATER UNITS **428.5**

PLUMBING FIXTURE SCHEDULE

SYM.	NO. REQD.	FIXTURE	MANUFACTURER	CATALOG NO.	REMARKS
F1	49	WATER CLOSET (NON H/C)	AMERICAN STANDARD	2292.100	ELONG BOWL w/OPEN FR. SEAT
F2	6	WATER CLOSET (H/C)	AMERICAN STANDARD	2168.100	ELONG BOWL w/OPEN FR. SEAT
F3	53	LAVATORY (COUNTERTOP)	AMERICAN STANDARD	0497.012	UNDERCOUNTER LAV/CHINA/OVALYN II
F4	2	LAVATORY (H/C)	AMERICAN STANDARD	0356.421	WALL HUNG
F5	46	TUB/SHOWER (NON H/C)	AMERICAN STANDARD	2394.202CH	SLIP RESIST. FLR/AMERICAST
F6	1	TUB/SHOWER (H/C)	AMERICAN STANDARD	2395.202CH	w/SEAT & SLIP RESIST. FLR/AMERICAST
F7	1	ROLL-IN SHOWER (H/C)	FLORESTONE	32-60H	w/ SEAT & GRAB BARS/FLOOR DRAIN REQ'D
F8	1	PREP SINK	WEST STAR INDUSTRIES	WT-36-CR6-24	S.S. SINK w/ S.S. TABLE
F9	1	HAND SINK	UNIVERSAL	CHS-1	S.S. SINK IN PANTRY
F10	1	KITCHEN SINK	UNIVERSAL	3N1618-2024	3 COMPARTMENT SINK (FREE STANDING)
F11	1	LAUNDRY TRAY	KOHLER	K-6652	PEDESTAL MOUNTED w/ WALL BRACKET/ RIM GUARD
F12	1	SINK	ELKAY	PSR-2219	SINGLE BOWL/SELF RIMMING
F13	2	ELEC. WATER COOLER	HAWS	HWCA8	WALL MOUNTED H/C ACCESSIBLE
F14	6	FLOOR SINK	ZURN	Z-1900	UNDER ICE MACHINES w/METAL GRATE & INDIRECT DRAINS (KITCHEN)
F15	5	FLOOR DRAIN	J.R. SMITH	2005	MECH. ROOM/RESTROOMS
F16	1	FLOOR DRAIN	J.R. SMITH	2710 DBS	LAUNDRY ROOM TRENCH-60" w/ EXTENSION SECTIONS w/ DOME BOTTOM STRAINER
F17	1	FOOD WASTE DISPOSER	SALVAJOR	150-CA3.5-MSS-3 208/60/1	
F18	SEE PLAN	FLOOR CLEANOUT	J.R. SMITH	4251-U	
F19	SEE PLAN	WALL CLEANOUT	J.R. SMITH	4530	w/J.R. SMITH 4710 S.S. COVER
F20	50/2	SINK	ELKAY	LR-1720	SINGLE BOWL SELF RIMMING
F21	4	HOSE BIBB	J.R. SMITH	5580QT	w/VACUUM BREAKER (NON-FREEZE TYPE)
F22	1	BACKFLOW PREVENTER	FEBCO	SERIES 680	DOMESTIC WATER SERVICE/ SIZE AS REQ'D.
F23	1	BOOSTER PUMP	IRONHEART	2DD53	w/ PRESSURE TANK MODEL 120 SYNCHROFLD INC.
F24	2*	WATER HEATER	A.O.SMITH	BT0197	100 GAL./191M BTU/191 GPH @ 100' RISE
F25	1	HOT WATER STORAGE TANK	A.O.SMITH	T200	200 GAL. CAP. (VERT. MOUNTED)
F26	1	SUMP PUMP	ZOELLER	M53	ELEVATOR PIT
F27	1	OIL INTERCEPTOR	ZURN	Z-1186	SIZE 500
F28	2	WATER HAMMER ARRESTER	J.R. SMITH	#520	
F29			(NOT USED)		
F30	4	WHIRLPOOL	AMERICAN STANDARD	2732.018	w/ BATH TUB & DRAIN w/ METAL GRAB BAR KIT, & SEAT @ ACCESSIBLE UNIT
F31			(NOT USED)		
F32			(NOT USED)		

GAS PIPE SIZING SCHEDULE

TOTAL DEMAND = 1,350M B.T.U. = 1259 C.F.H.
 USE 150FT. COLUMN (UPC 1997) TABLE 12-3
 3 1/2" PIPE GOOD FOR 3661 C.F.H.
 3" PIPE GOOD FOR 2637 C.F.H.
 2 1/2" PIPE GOOD FOR 1492 C.F.H.
 2" PIPE GOOD FOR 936 C.F.H.
 1 1/2" PIPE GOOD FOR 486 C.F.H.
 1 1/4" PIPE GOOD FOR 324 C.F.H.
 1" PIPE GOOD FOR 158 C.F.H.
 3/4" PIPE GOOD FOR 84 C.F.H.
 1/2" PIPE GOOD FOR 40 C.F.H.

LOAD DEMAND BREAKDOWN

WATER HEATER (2) @ 197M BTU	=	394M BTU	358 CFH	1 1/4" EACH
CLOTHES DRYERS (2) @ 200M BTU	=	400M BTU	364 CFH	1 1/4" EACH
TOTAL		794M BTU	722 CFH	

FAUCET & FITTINGS

FIXTURE SYM.	FAUCET CONTROL OR FITTING DESCRIPTION
F3	MOEN #4621 CHATEAU (4" CENTERS) SINGLE LEVER w/INTEGRAL LIFT & TWIST WASTE (CHROME)
F5	MOEN #8370 VALVE (CHROME HANDLE) PRESSURE BALANCING VALVE w/ADJUSTABLE HOT LIMIT SAFETY STOP - I.P.S. DIVERTER SPOUT w/LIFT/RAIN METAL STOPPER - DRAIN: O.E.M. WATCO (COMPLETE WITH TUB WASTE & OVERFLOW) - MASSAGE TYPE SHOWER HEAD
F6 H/C	MOEN #8370 VALVE (CHROME HANDLE) PRESSURE BALANCING VALVE w/ADJUSTABLE HOT LIMIT SAFETY STOP - I.P.S. DIVERTER SPOUT w/LIFT/RAIN METAL STOPPER - DRAIN: O.E.M. WATCO (COMPLETE WITH TUB WASTE & OVERFLOW) - MASSAGE TYPE SHOWER HEAD - HAND HELD SHOWER w/24" WALL BAR & 60" CHROME PLATED FLEXIBLE HOSE/ GROHE #28.649
F7 H/C	MOEN #8370 VALVE (CHROME HANDLE) PRESSURE BALANCING VALVE w/ADJUSTABLE HOT LIMIT SAFETY STOP - COMPLETE w/DRAIN - MASSAGE TYPE SHOWER HEAD - HAND HELD SHOWER w/24" WALL BAR & 60" CHROME PLATED FLEXIBLE HOSE/ GROHE #28.649
F8	JUST #JTR-50
F30	SAME AS F5 PLUS AMERICAN STD. #822.200 GRAB BAR KIT #553.270 DRAIN #8260.018 APRON
F10	T&S BRASS WORKS, INC. #B-0231-SINK MIXING FAUCET WITH 12" SWING / T&S BRASS #B-0133 PRE-RINSE UNIT
F11	MOEN #4975 CHATEAU
F12 & F20	MOEN #8938

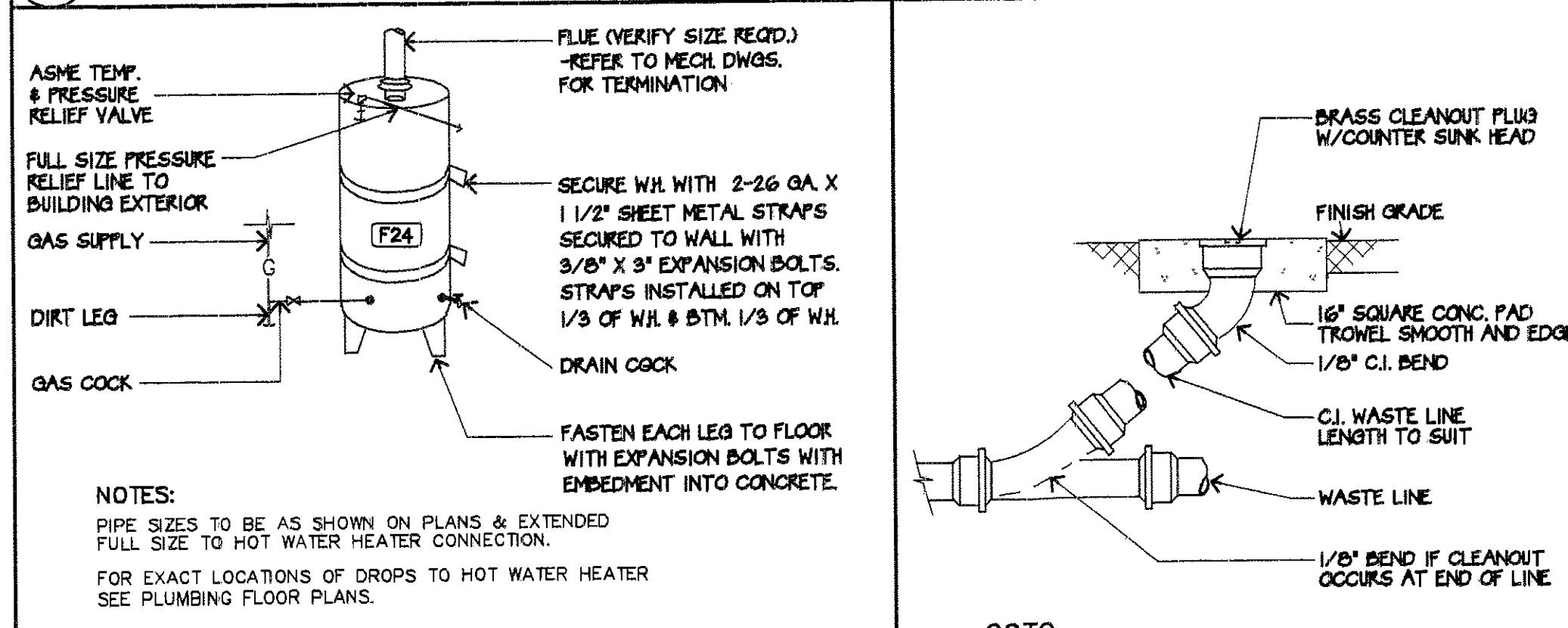
NOTE:
 EACH BATHTUB AND/OR SHOWER VALVE SHALL BE PROVIDED WITH MOEN/ROUGH-IN PRESSURE BALANCING VALVES

NOTE:
 ALL WATER & GAS LINES TO BE RUN IN DROPTED CEILING SPACE @ ALL FLOORS
 ALL SEWER LINES TO BE RUN UNDER EACH FLOOR
 PROVIDE 2" WCO UNDER LAVATORY IN EACH GUEST ROOM BATHROOM AT MAIN FLOOR ONLY - REFER TO DETAIL
 REFER TO OVERALL PLUMBING PLANS FOR CONTINUATION OF MAIN WATER & SEWER PIPING

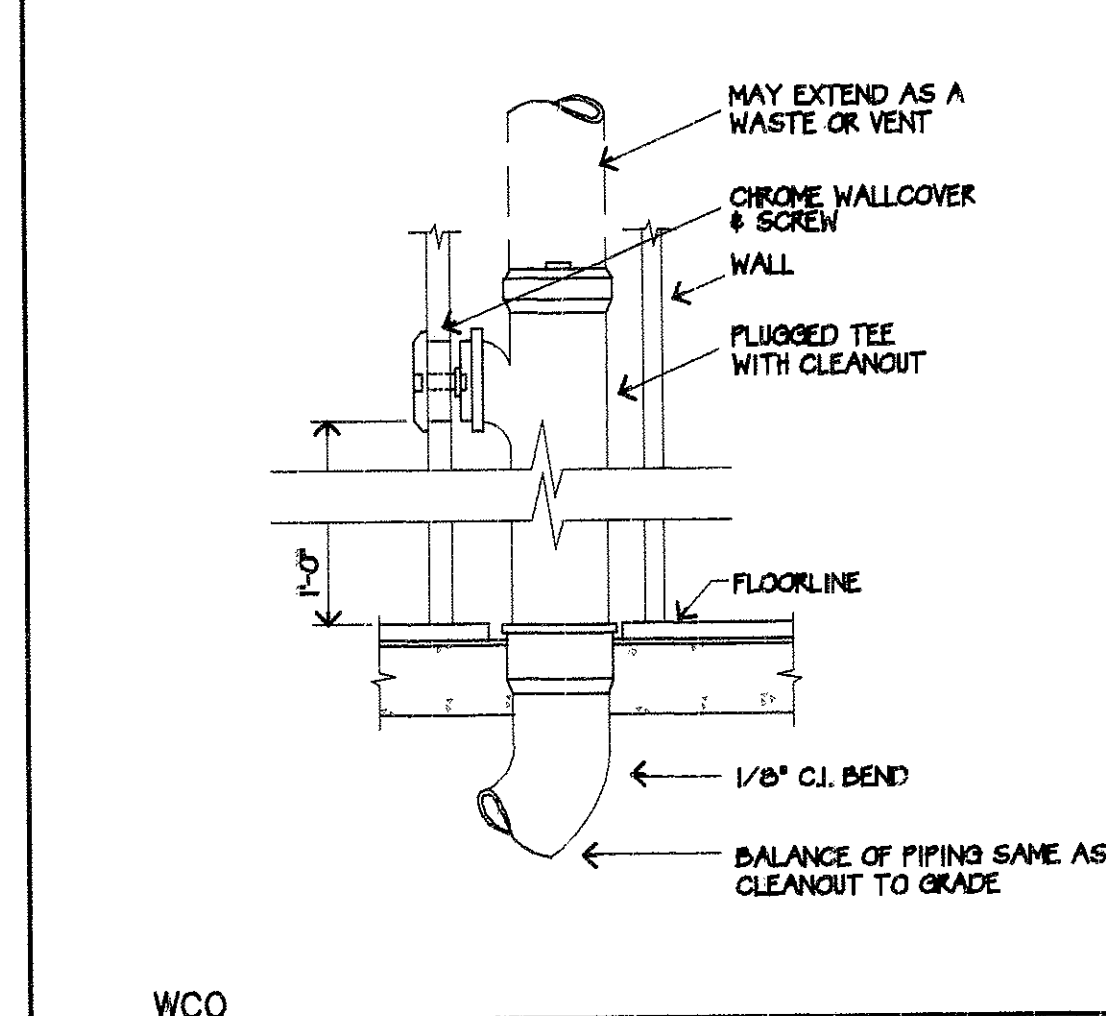
NOTE:
 IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THE NUMBER OF FIXTURES & THE AVAILABILITY PRIOR TO BID. THE NUMBERS SHOWN HERE IS THE ARCHITECTS BEST COUNT & IS FOR CONVENIENCE ONLY.
 F2 WATER CLOSETS SHALL BE ELONGATED TYPE, 17"-19" HIGH PER TITLE 24, SEC. P1502 w/ WHITE OPEN FRONT SEAT & LD. / MOUNT w/TRIP LEVERS ON OPEN SIDE
 F1 & F2 LOW-FLUSH 1.6 GAL FLUSH (MIN.) / PRESSURE ASSISTED
 - TOILET SEAT SHALL BE AMERICAN STANDARD (RISE & SHINE) 5325.024/SELF SUSTAINING
 *PROVIDE #6544 POWER VENT FOR EACH HOT WATER HEATER
 PLUMBER TO VERIFY RIGHT OR LEFT HAND OF ALL FIXTURES PRIOR TO ORDERING (FAUCETS, DRAINS, MOTOR ACCESS & ETC.)

PLUMBING PIPING SCHEDULE
 ENTIRE WASTE & VENT SYSTEM TO BE CAST IRON.
 TRAPS, TRAP ARMS AND SINK TAILPIECES SHALL BE METAL.
 - WASTE & VENT SYSTEM MAY BE OF ABS OR PVC/DWV PIPING IF ALLOWED BY LOCAL JURISDICTION.
 - VENT PIPING MAY BE GALVANIZED.
 WATER LINES TO BE TYPE 'L' COPPER PIPE UNDER SLAB & TYPE 'K' WITHIN BUILDING. (PLASTIC PIPING NOT PERMITTED)
 - TYPE 'M' COPPER TUBING SHALL NOT BE USED FOR WATER PIPING UNDER GROUND INSIDE BUILDING.
 - WATER LINES TO BE RUN OVERHEAD WITHIN BUILDING. (U.N.O.)
 ALL ABOVE GROUND GAS PIPING TO BE BLACK CARBON STEEL (SCHEDULE 40)
 ALL UNDERGROUND GAS PIPING TO BE PLASTIC PIPING

WATER HEATER & STORAGE TANK SCHEMATIC

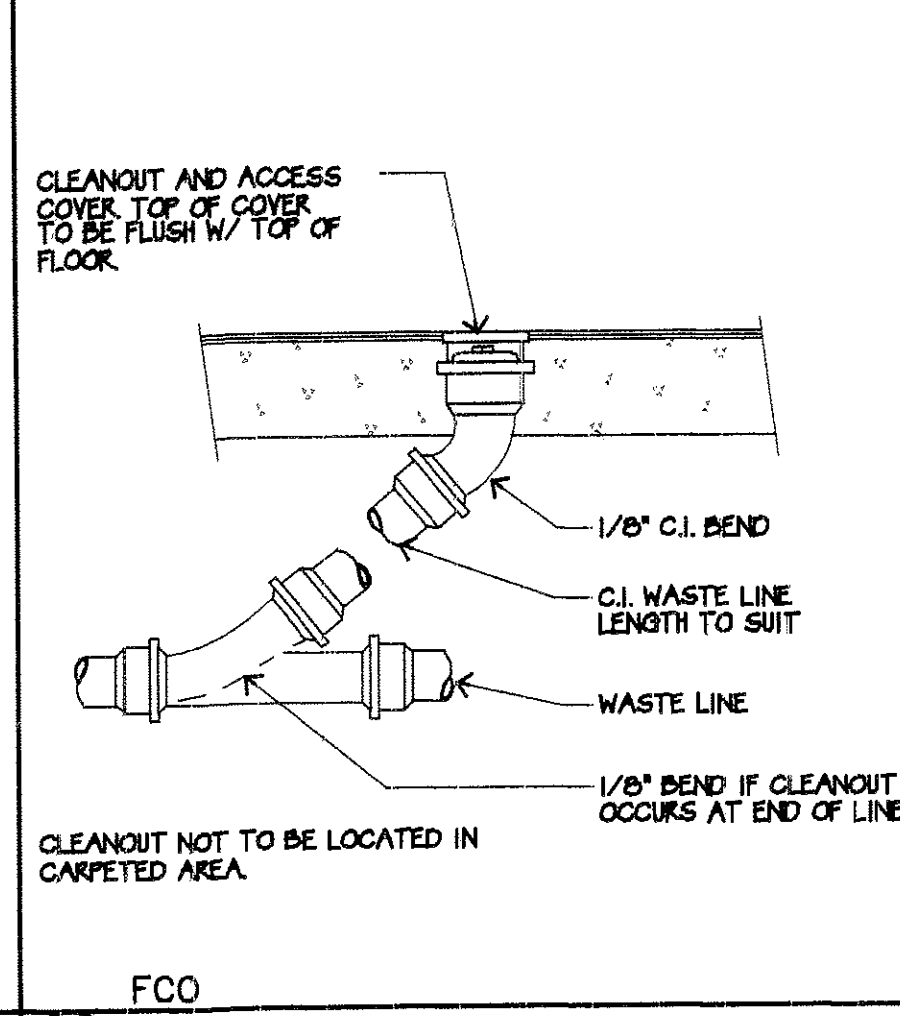


GAS WATER HEATER/SUPPORT



WALL CLEANOUT DETAIL

CLEANOUT TO GRADE



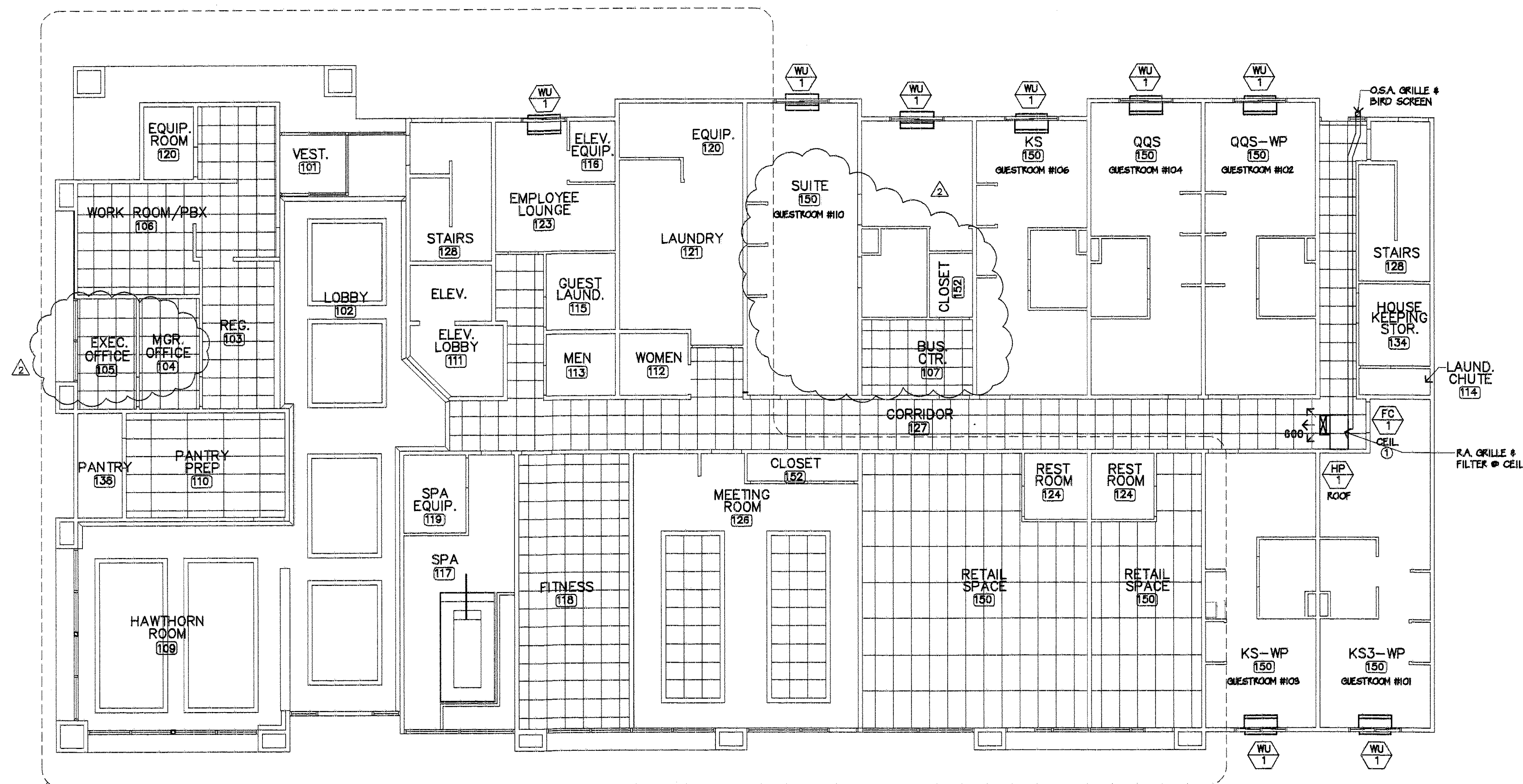
FLOOR CLEANOUT DETAIL

LEE GAGE & ASSOCIATES, INC.
 ARCHITECTURE • ENGINEERING • PLANNING
 93711 phone (555) 439-2222
 7636 n. ingram suite 107 fresno, california

HAWTHORN SUITES LTD.
 1500 WESTERLY STREET
 ALAMEDA, CA
 ALAMEDA HOSPITALITY, LLC
 1940 FRANCISCAN WAY, SUITE #10
 ALAMEDA, CA 94501 PHONE/FAX(510) 814-9981

PROPOSED: 1500 WESTERLY STREET ALAMEDA, CA
 OWNERS: ALAMEDA HOSPITALITY, LLC
 1940 FRANCISCAN WAY, SUITE #10 ALAMEDA, CA 94501 PHONE/FAX(510) 814-9981

07/09/02
 RECEIVED
 LICENSED ARCHITECT
 LEE GAGE
 6716
 REN. 1-31-03
 STATE OF CALIFORNIA
 P7
 SHEET OF



REFER TO SHEET M3
FOR ENLARGED LAYOUT
(THIS AREA)

REVISIONS PER
OWNER REQUEST
7/3/02

SMOKE DAMPER NOTE:

SMOKE DAMPERS SHALL BE CLOSED BY ACTUATION OF A SMOKE DETECTOR INSTALLED IN ACCORDANCE WITH THE FIRE CODE & ONE OF THE FOLLOWING APPLICABLE METHODS

1. WHERE A DAMPER IS INSTALLED WITHIN A DUCT, A SMOKE DETECTOR SHALL BE INSTALLED IN THE DUCT WITHIN 5 FEET (1524 mm) OF THE DAMPER WITH NO AIR OUTLETS OR INLETS BETWEEN THE DETECTOR AND THE DAMPER. THE DETECTOR SHALL BE LISTED FOR THE AIR VELOCITY, TEMPERATURE, AND HUMIDITY ANTICIPATED AT THE POINT WHERE IT IS INSTALLED
2. WHERE A DAMPER IS INSTALLED WITHIN AN UNDUCTED OPENING IN A WALL, A SPOT-TYPE DETECTOR LISTED FOR RELEASING SERVICE SHALL BE INSTALLED WITHIN 5 FEET (1524 mm) HORIZONTALLY OF THE DAMPER.
3. WHERE A DAMPER IS INSTALLED IN A CEILING, A SPOT-TYPE DETECTOR LISTED FOR RELEASING SERVICE SHALL BE INSTALLED ON THE CEILING WITHIN 5 FEET (1524 mm) OF THE DAMPER.
4. WHERE A DAMPER IS INSTALLED IN A CORRIDOR WALL OR CEILING, THE DAMPER MAY BE CONTROLLED BY A SMOKE-DETECTION SYSTEM INSTALLED IN THE CORRIDOR
5. WHEN A TOTAL-COVERAGE SMOKE-DETECTION SYSTEM IS PROVIDED WITHIN ALL AREAS SERVED BY AN HVAC SYSTEM, DAMPERS MAY BE CONTROLLED BY THE SMOKE-DETECTION SYSTEM.

ASSUMED
NORTH



KEY NOTES

1. PROVIDE REFRIGERANT & SUCTION LINES FROM 'FC' UNIT @ CEILING & 'HP' UNIT ON ROOF (TYP.)
2. AIR TRANSFER GRILLE
-14"x14" GRILLE REQUIRED @ BOTTOM OF DOOR
-COORDINATE WITH DOOR SUPPLIER
3. RETURN AIR GRILLE @ CEILING (UNDER UNIT)

NOTE

REFER TO DETAIL 1/M4
FOR TYPICAL GUEST RM. LAYOUT
REFER TO SHEET M4 FOR TYPICAL DUCT SHAFT
DETAILS & MECHANICAL EQUIPMENT LIST

LOCATE ALL EXHAUST FLE TERMINATIONS & PLUMBING VENTS A MINIMUM OF 10 FT. FROM ALL AIR INTAKES

REFER TO SHEET FS1 & FS2 FOR LOCATION OF ALL FIRE RATED WALLS / FOR PURPOSES OF PENETRATIONS REFER TO SHEET FS1 FOR FIRE STOP INDEX

**MAIN FLOOR
MECHANICAL
FLOOR PLAN**

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

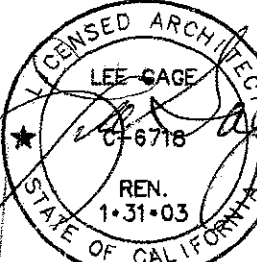
LEE GAGE & ASSOCIATES, INC.
architecture • engineering • planning
7636 n. Ingram suite 107 fresno, california 93711 phone (559) 439-2222

THIS DOCUMENT, INCLUDING ALL CONTENTS, IS THE PROPERTY OF LEE GAGE & ASSOCIATES, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF LEE GAGE & ASSOCIATES, INC.

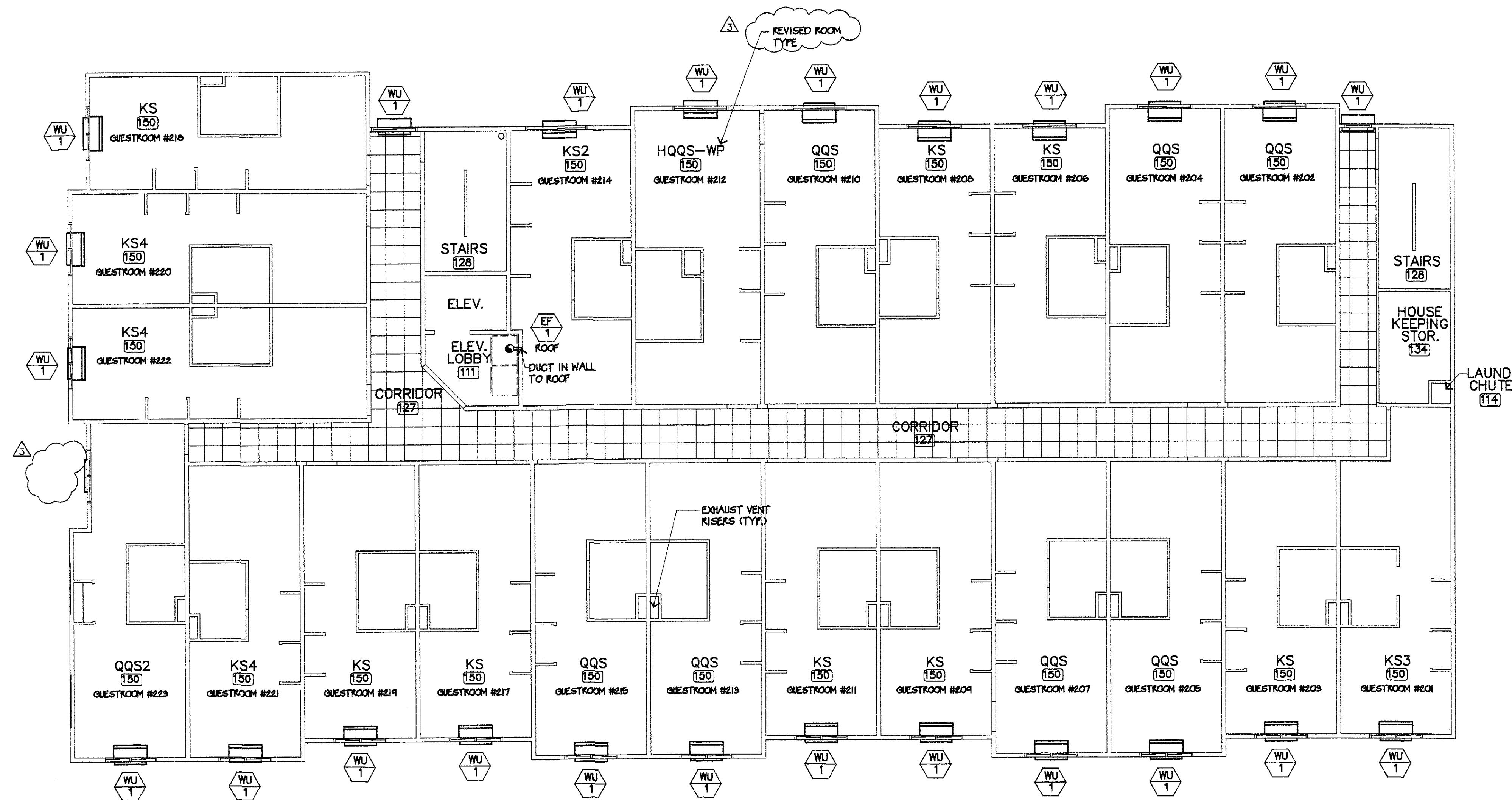
**HAWTHORN
SUITES
LTD**

PROPOSED
1520 WESTER STREET
ALAMEDA, CA
OWNERS:
ALAMEDA HOSPITALITY, LLC
1940 FRANCISCAN WAY, SUITE #110
ALAMEDA, CA 94501 PHONE/FAX(510) 814-9881

07/09/02



M1
SHEET
OF



REVISIONS PER
ARCHITECT CLARIFICATION
7/3/02

NOTE:
REFER TO SHEET M1 FOR TYPICAL
MECHANICAL PLAN NOTES

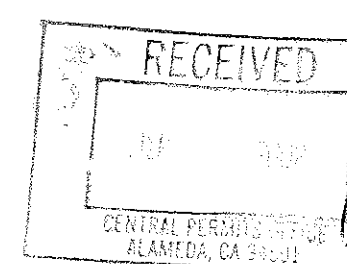
REFER TO SHEETS M3 & M3B FOR ENLARGED
LAYOUTS & SHEET M4 FOR TYP. GUESTROOM
REFER TO SHEET M4 FOR TYPICAL DUCT SHAFT
DETAILS & MECHANICAL EQUIPMENT LIST

REFER TO ARCHITECTURAL DRAWINGS FOR
DESIGNATION AND LISTING OF FIRE RATED
ASSEMBLY DESIGN NUMBERS. COORDINATE
MECHANICAL REQUIREMENTS WITH FIRE
RESISTANCE OF MATERIALS AND CONSTRUCTION.



2ND FLOOR MECHANICAL FLOOR PLAN

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



F:\ARCHDES\2ND FLOOR\HSA-M2.DWG

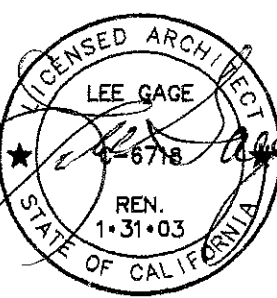
LEE GAGE & ASSOCIATES, INC.
architecture • engineering • planning
7636 n. ingram suite 107 freemont, california 93711 phone (559) 439-2222

THESE DRAWINGS ARE THE PROPERTY OF LEE GAGE & ASSOCIATES, INC. AND ARE NOT TO BE REPRODUCED OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF LEE GAGE & ASSOCIATES, INC. ANY REPRODUCTION OR USE OF THESE DRAWINGS WITHOUT THE WRITTEN CONSENT OF LEE GAGE & ASSOCIATES, INC. IS PROHIBITED.

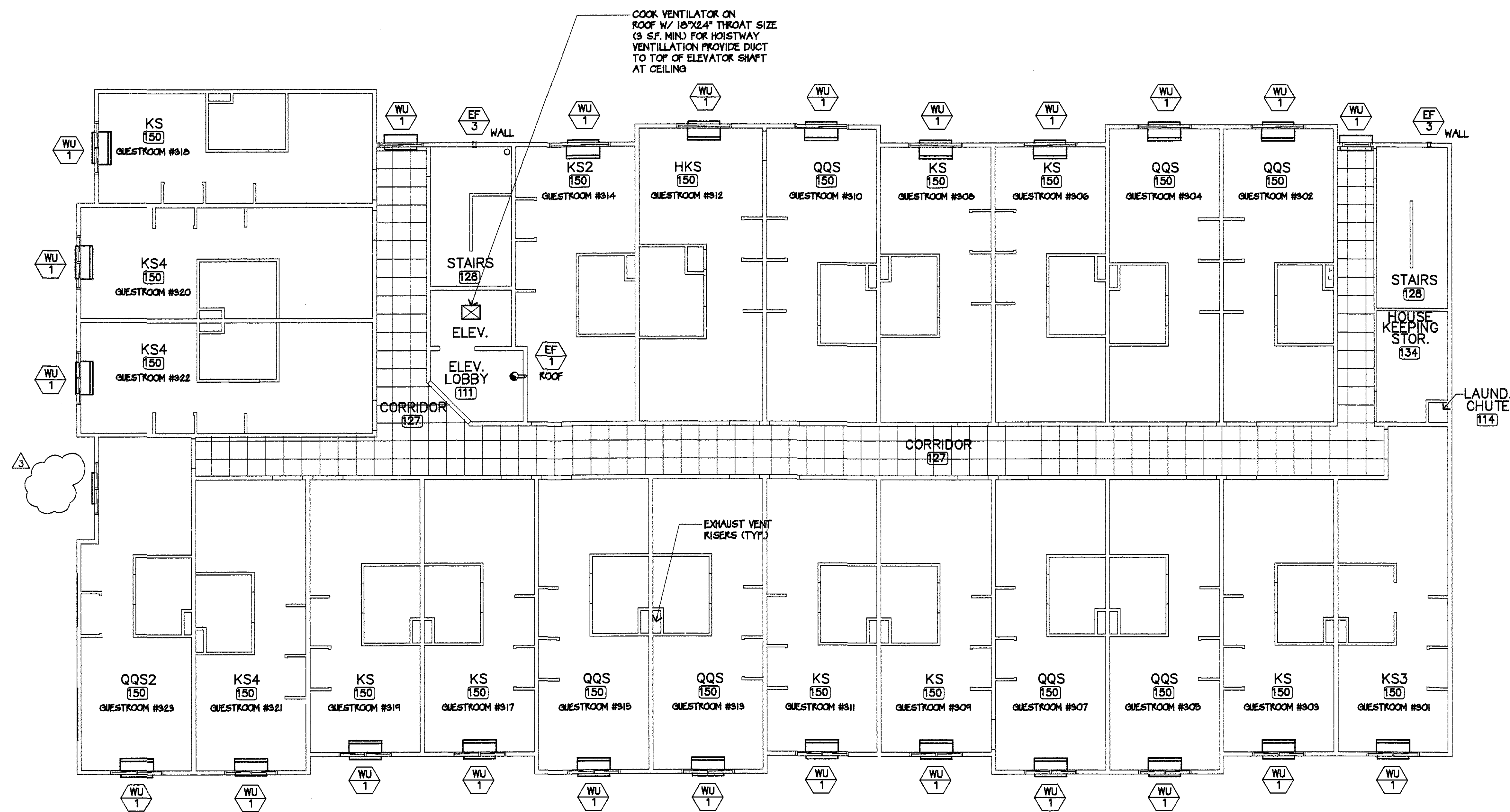


HAWTHORN SUITES LTD.
1500 WESTERLY STREET
ALAMEDA, CA 94601
ALAMEDA HOSPITALITY, LLC
1940 FRANCISCAN WAY, SUITE #10
ALAMEDA, CA 94601 PHONE/FAX (510) 814-9881

07/09/02



M2
SHEET
OF

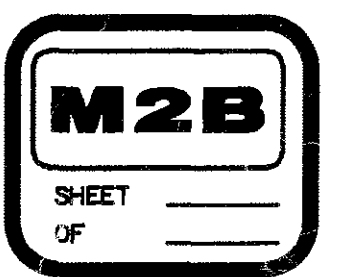
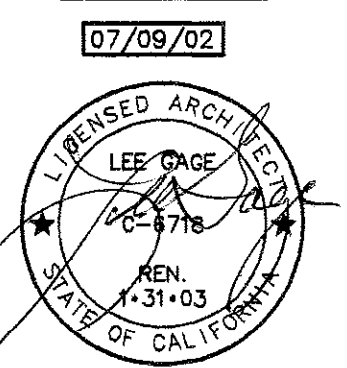
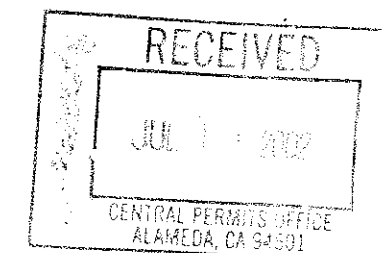


3RD FLOOR MECHANICAL FLOOR PLAN

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

NOTE:
REFER TO SHEET M1 FOR TYPICAL MECHANICAL PLAN NOTES
REFER TO SHEETS M3 & M3B FOR ENLARGED LAYOUTS & SHEET M4 FOR TYP. GUESTROOM
REFER TO SHEET M4 FOR TYPICAL DUCT SHAFT DETAILS & MECHANICAL EQUIPMENT LIST
REFER TO ARCHITECTURAL DRAWINGS FOR DESIGNATION AND LISTING OF FIRE RATED ASSEMBLY DESIGN NUMBERS. COORDINATE MECHANICAL REQUIREMENTS WITH FIRE RESISTANCE OF MATERIALS AND CONSTRUCTION.

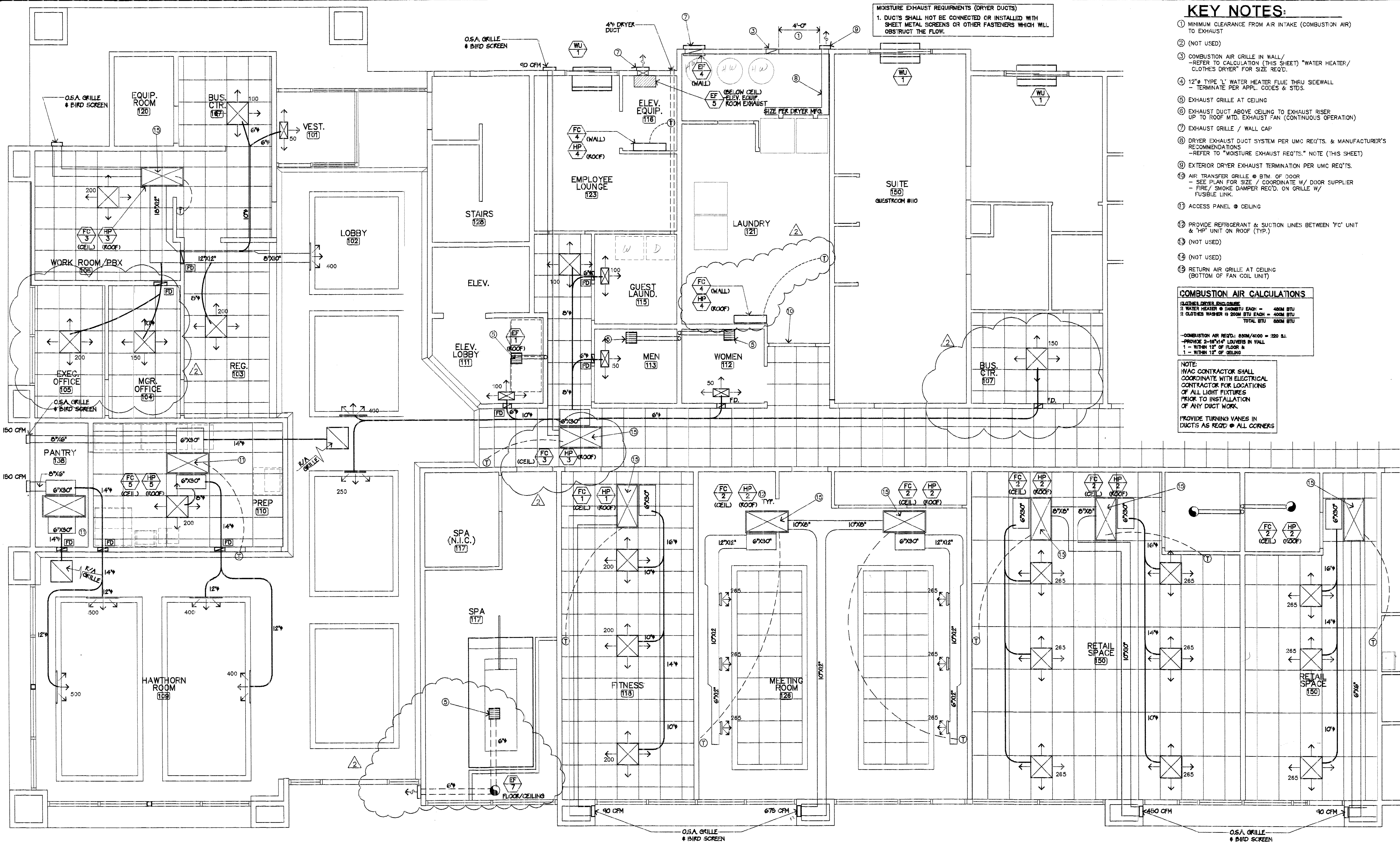
REVISIONS PER ARCHITECT CLARIFICATION 7/3/02



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

THESE DRAWINGS, DESIGNS, SPECIFICATIONS, IDEAS & ARRANGEMENTS ARE THE SOLE & EXCLUSIVE PROPERTY OF LEE GAGE & ASSOCIATES, INC. NO PART OF THESE DRAWINGS, DESIGNS, SPECIFICATIONS, IDEAS & ARRANGEMENTS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF LEE GAGE & ASSOCIATES, INC.

HAWTHORN SUITES LTD.
PROPOSED: 1820 WEBSTER STREET ALAMEDA, CA
OWNERS: **ALAMEDA HOSPITALITY, LLC**
1940 FRANCISCAN WAY, SUITE #110 ALAMEDA, CA 94501 PHONE/FAX(510) 814-9881



MOISTURE EXHAUST REQUIREMENTS (DRYER DUCTS)
 1. DUCTS SHALL NOT BE CONNECTED OR INSTALLED WITH SHEET METAL SCREENS OR OTHER FASTENERS WHICH WILL OBSTRUCT THE FLOW.

KEY NOTES:

- MINIMUM CLEARANCE FROM AIR INTAKE (COMBUSTION AIR) TO EXHAUST
- (NOT USED)
- COMBUSTION AIR GRILLE IN WALL / REFER TO CALCULATION (THIS SHEET) "WATER HEATER / CLOTHES DRYER" FOR SIZE REQ'D.
- 12" TYPE "L" WATER HEATER FLUE THRU SIDEWALL - TERMINATE PER APPL. CODES & STD.
- EXHAUST GRILLE AT CEILING
- EXHAUST DUCT ABOVE CEILING TO EXHAUST RISER UP TO ROOF MTD. EXHAUST FAN (CONTINUOUS OPERATION)
- EXHAUST GRILLE / WALL CAP
- DRYER EXHAUST DUCT SYSTEM PER UMC REQ'TS. & MANUFACTURER'S RECOMMENDATIONS - REFER TO "MOISTURE EXHAUST REQ'TS." NOTE (THIS SHEET)
- EXTERIOR DRYER EXHAUST TERMINATION PER UMC REQ'TS.
- AIR TRANSFER GRILLE @ BTM. OF DOOR - SEE PLAN FOR SIZE / COORDINATE W/ DOOR SUPPLIER - FIRE / SMOKE DAMPER REQ'D. ON GRILLE W/ FUSIBLE LINK.
- ACCESS PANEL @ CEILING
- PROVIDE REFRIGERANT & SUCTION LINES BETWEEN "FC" UNIT & "HP" UNIT ON ROOF (TYP.)
- (NOT USED)
- (NOT USED)
- RETURN AIR GRILLE AT CEILING (BOTTOM OF FAN COIL UNIT)

COMBUSTION AIR CALCULATIONS

WATER HEATER EXHAUSTS:
 1 WATER HEATER @ 30,000 BTU EACH = 4000 BTU
 2 CLOTHES WASHER @ 2000 BTU EACH = 4000 BTU
TOTAL BTU 8000 BTU

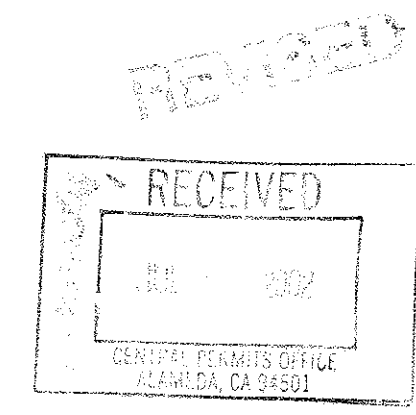
COMBUSTION AIR REQ'D: 0.050A/1000 = 220 S.F.
 PROVIDE 2-16"x14" LOUVERS IN WALL
 1 - WITHIN 12" OF FLOOR &
 1 - WITHIN 12" OF CEILING

NOTE:
 HVAC CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR LOCATIONS OF ALL LIGHT FIXTURES PRIOR TO INSTALLATION OF ANY DUCT WORK.
 PROVIDE TURNING VANES IN DUCTS AS REQ'D @ ALL CORNERS

- NOTE:**
- ALL DUCTWORK RUN BETWEEN CEILING FRAMING WHERE POSSIBLE: (BELOW RATED CEILING LID)
 - DUCTS SHALL BE RUN WITHIN SCFFIT FRAMING WHERE POSSIBLE
 - OPENINGS FOR DUCTWORK RUN THRU JOISTS SHALL BE COORDINATED WITH STRUCTURAL FRAMING SYSTEM (DEPTH LIMITS MAY REQUIRE ALTERNATE ROUTING).
 - FD = FIRE/SMOKE DAMPER (WHERE REQ'D. BY CODE)
 - SA = SMOKE DAMPER (WHERE REQ'D. BY CODE)
 - * INDICATES DOOR TO BE UNDERCUT 1" FOR RETURN AIR PURPOSES
 - REFER TO MECHANICAL EQUIPMENT LIST ON SHEET M4 FOR ALL HVAC EQUIPMENT
 - REFER TO SHEET FS1 REGARDING LOCATION OF FIRE-RATED ASSEMBLIES
 - REFER TO DETAIL 6/FS3 FOR DUCT PENETRATIONS THRU RATED WALLS WHERE DAMPERS ARE REQUIRED.

ENLARGED MEETING ROOMS, LOBBY & HAWTHORN ROOM MECHANICAL FLOOR PLAN

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



LEE GAGE & ASSOCIATES, INC.
 ARCHITECTURE • ENGINEERING • PLANNING
 7636 N. Ingram suite 107 Fresno, California 93711 phone (559) 439-2222

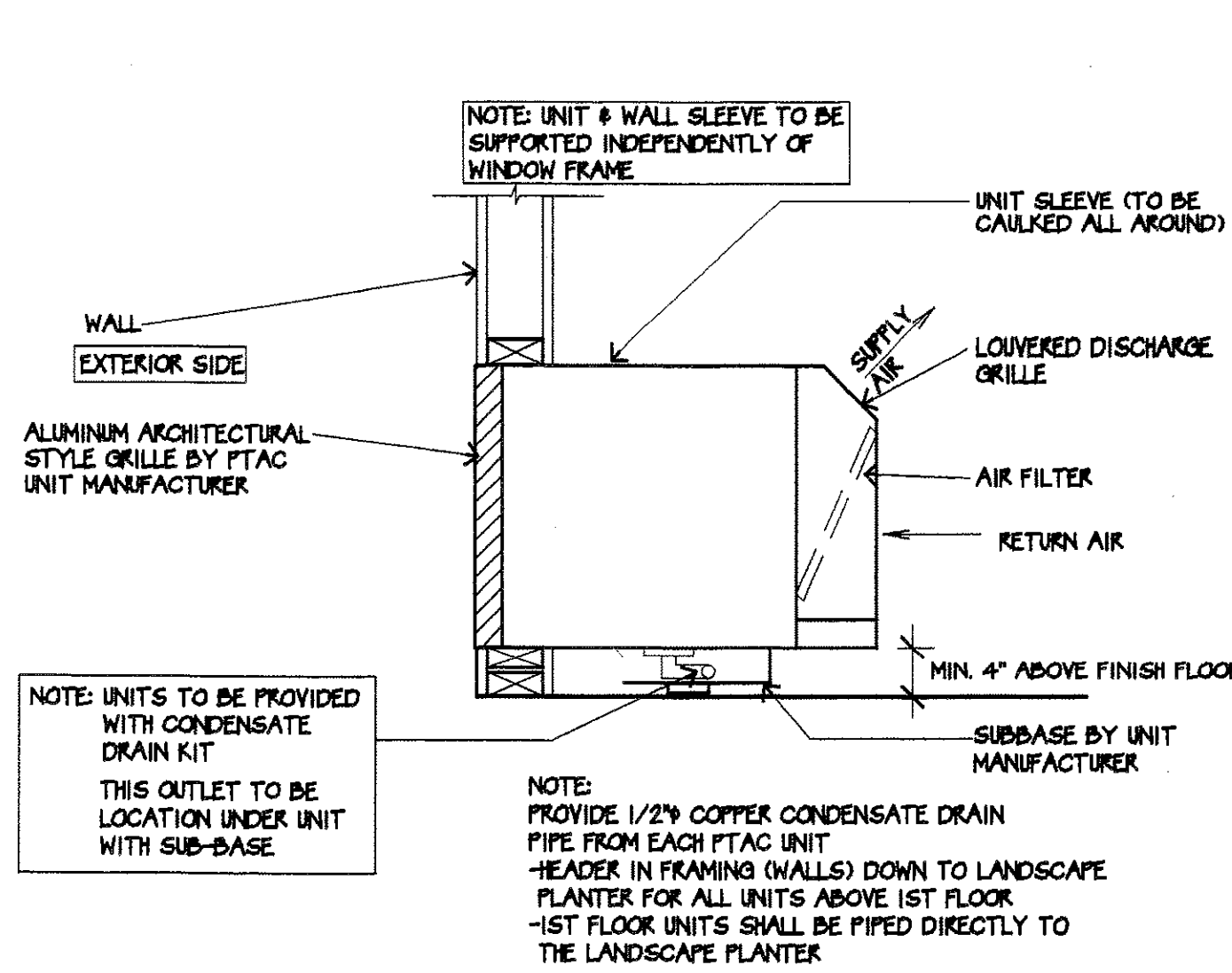
THESE DRAWINGS, DESIGNS, SKETCHES, AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF LEE GAGE & ASSOCIATES, INC. AND WERE CREATED AND DEVELOPED BY AND FOR THE ARCHITECT. NO PART OF THESE DRAWINGS OR SPECIFICATIONS SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN CONSENT OF LEE GAGE & ASSOCIATES, INC.

HAWTHORN SUITES LTD.

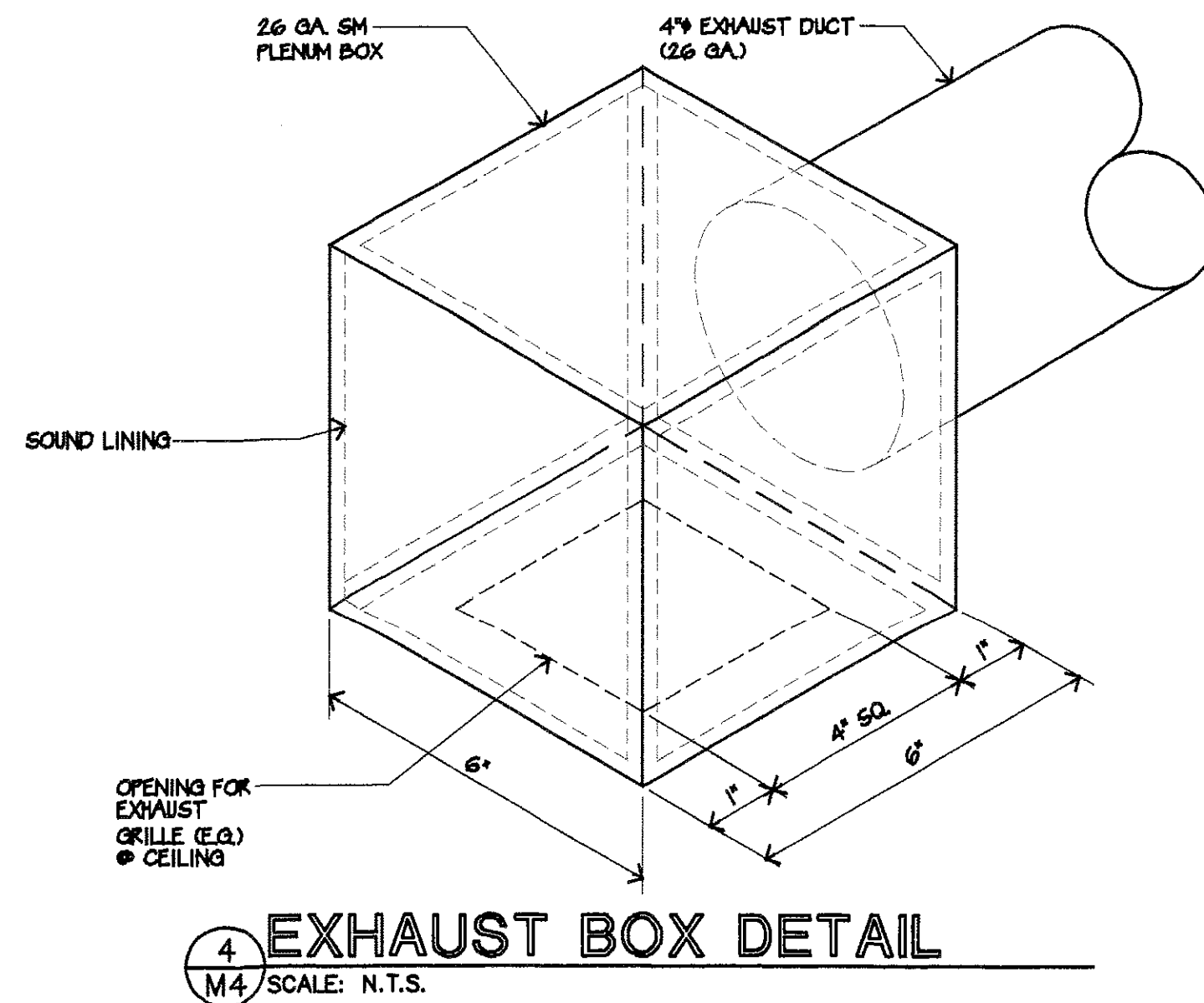
PROPOSED: **HAWTHORN SUITES LTD.**
 1000 S. MAIN STREET
 ALAMEDA, CA 94601
 OWNERS: **ALAMEDA HOSPITALITY, LLC**
 1000 S. MAIN STREET
 ALAMEDA, CA 94601 PHONE/FAX (415) 814-9881

107/09/02
 LICENSED ARCHITECT
 LEE GAGE
 008716
 11-31-03
 STATE OF CALIFORNIA
M3
 SHEET OF

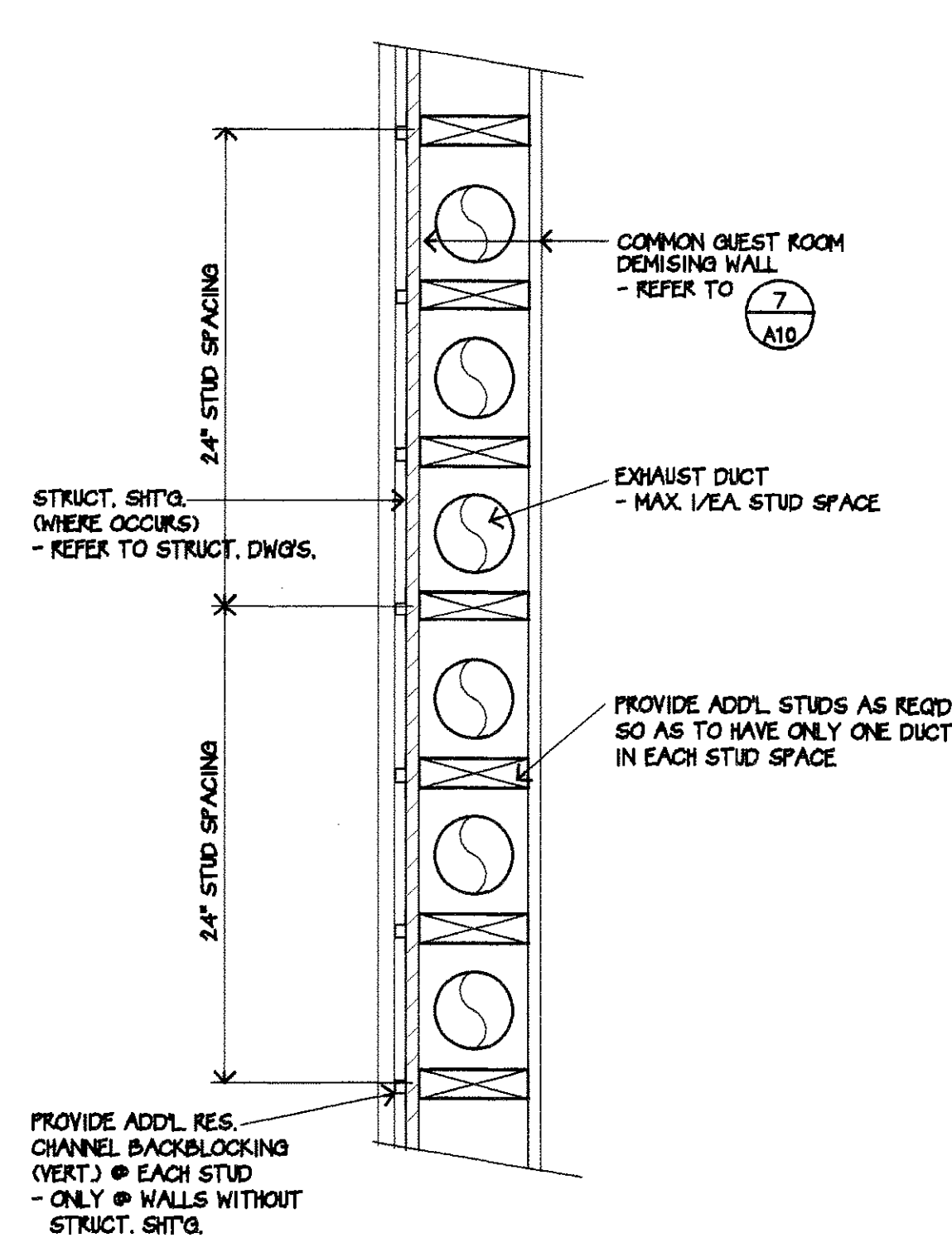
REVISIONS PER OWNER REQUEST
 7/3/02



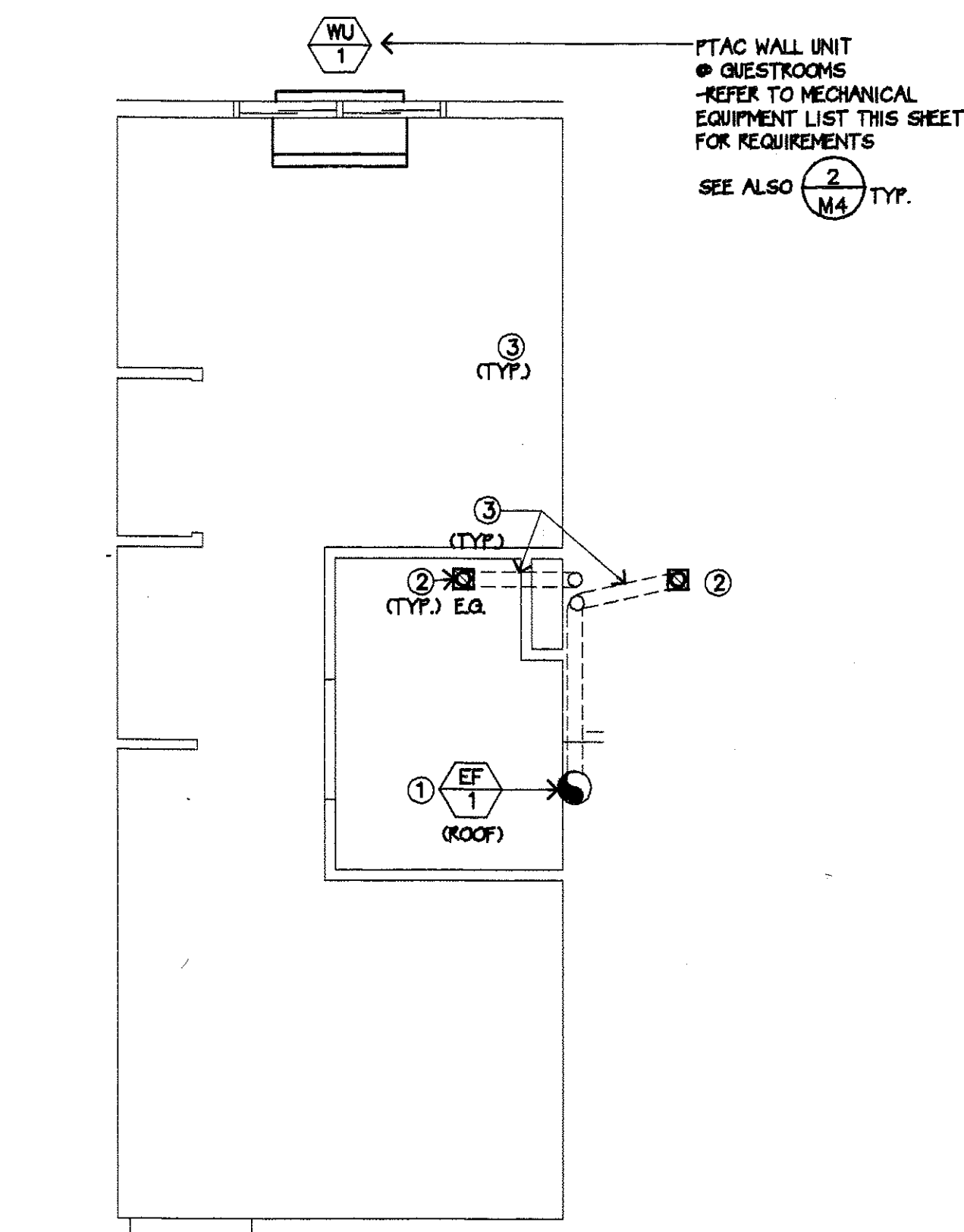
PACKAGED TERMINAL HEAT PUMP UNIT DETAIL
 2 M4 NO SCALE



EXHAUST BOX DETAIL
 4 M4 SCALE: N.T.S.



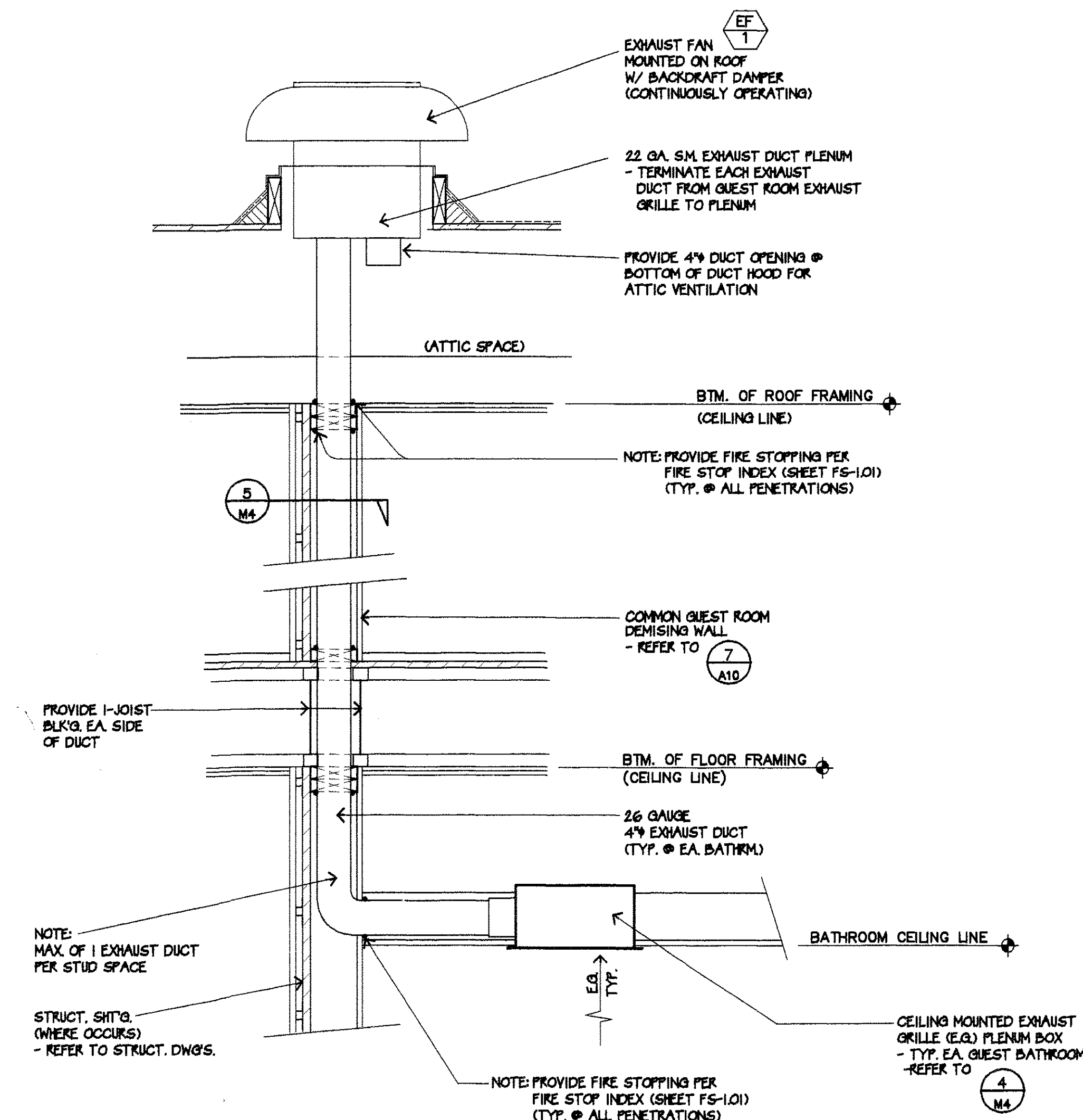
EXHAUST DUCT IN WALL
 5 M4 SCALE: 1 1/2"=1'-0"



TYPICAL GUESTROOM MECHANICAL LAYOUT
 1 M4 SCALE: 1/4"=1'-0"

KEYNOTES

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



SECTION @ ROOF EXHAUST FAN
 3 M4 SCALE: 1"=1'-0"

MECHANICAL EQUIPMENT LIST

- HP-1 BRYANT MODEL NO. 661C016-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/22.6M 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. 538BNX016000A 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 2.8 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 6.4AMPS (12,000 BTU COOLING/ 11,200 BTU HEATING)
- WU-2 AMANA PTH153A PACKAGE TERMINAL HEAT PUMP UNIT (IN WALL) 208/230V. 1ø 6.4 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 BROAD MODEL 671 CEILING/WALL EXHAUST FAN 70 CFM, 3.0 SONES, 1.2 AMPS
- EF-3 BROAD MODEL 362 CEILING EXHAUST FAN (CONTINUOUSLY OPERATING) 200 CFM, 2.0 SONES, 1.3 AMPS
- EF-4 BROAD 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 4.8 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/OPOSITE 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:

- EQUIPMENT CAPACITIES FOR HVAC ITEMS LISTED SHALL BE DETERMINED BASED ON LOCATION OF INN AND DESIGN CRITERIA AS SHOWN ON THIS DRAWING.
- FINAL SELECTION OF ELECTRICAL CHARACTERISTICS FOR EQUIPMENT SHALL BE DETERMINED BASED ON SITE VOLTAGE AVAILABILITY.
- 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 G, SECTION 122(C)

SYMBOL AND ABBREVIATION

— EXH —	EXHAUST AIR DUCT
— SA —	SUPPLY AIR DUCT
— RA —	RETURN AIR DUCT
① OR ②	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

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

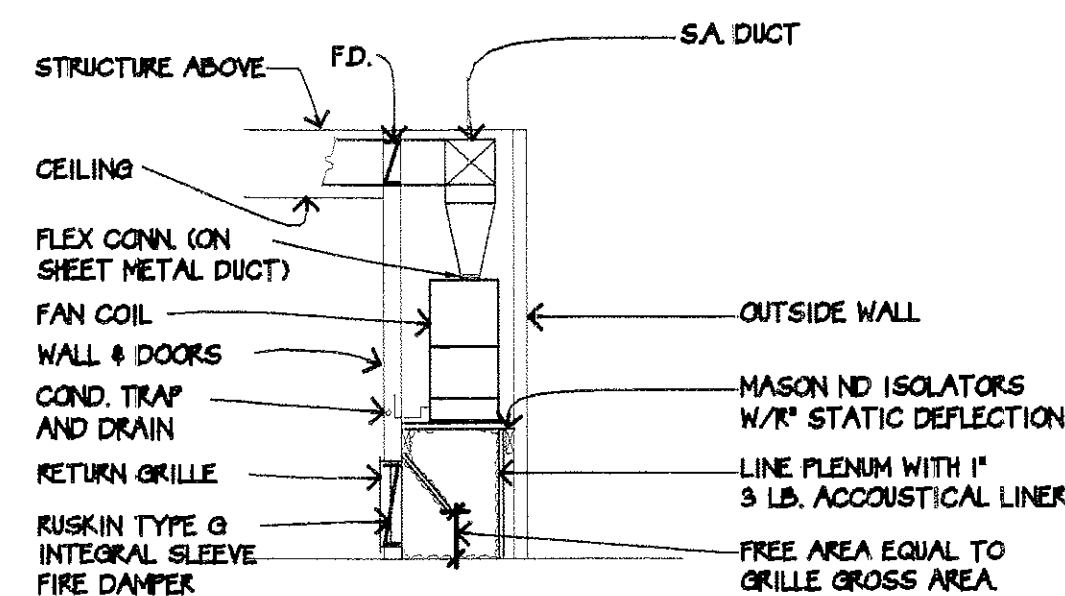
ALL SERVICES, DESIGN, CONSTRUCTION, AND MANAGEMENT ARE THE SOLE AND EXCLUSIVE PROPERTY OF LEE GAGE & ASSOCIATES, INC. NO PART OF THIS DOCUMENT IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF LEE GAGE & ASSOCIATES, INC.

HAWTHORN SUITES LTD.

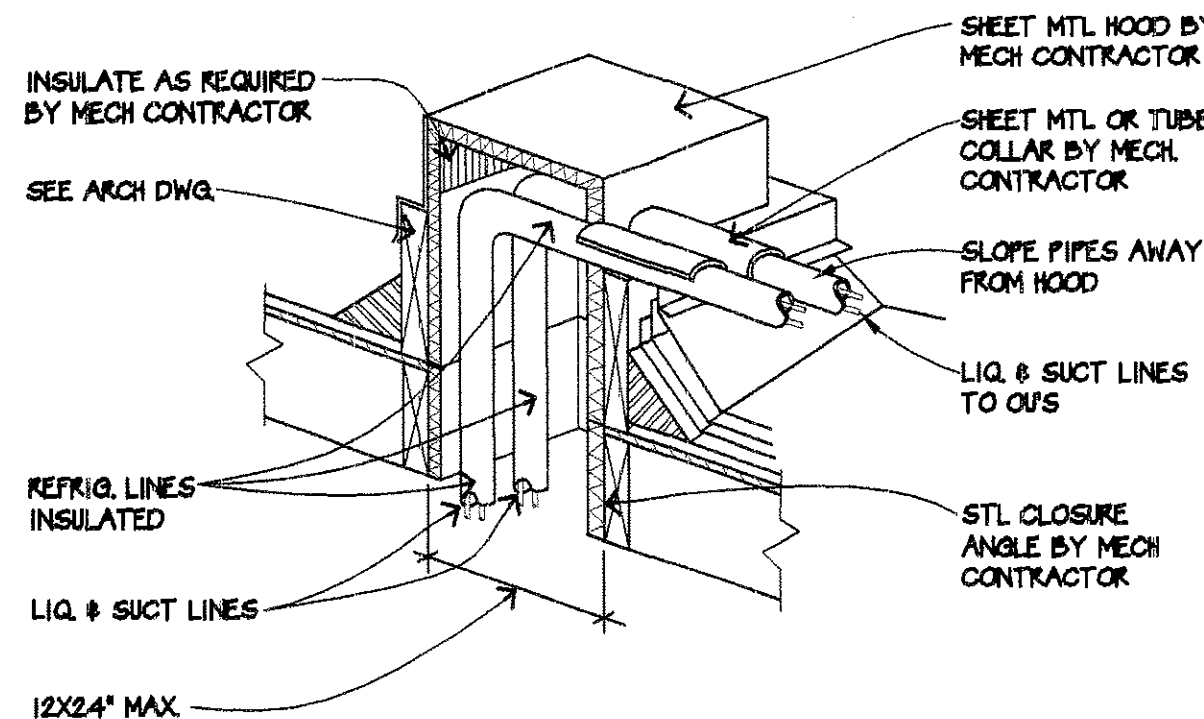
PROPOSED: **HAWTHORN SUITES LTD.**
 1028 WEBSTER STREET
 ALAMEDA, CA
ALAMEDA HOSPITALITY, LLC
 1940 FRANCISCAN WAY, SUITE #110
 ALAMEDA, CA 94501 PHONE/FAX(510) 614-9981

05/08/02
 RECEIVED
 LEE GAGE & ASSOCIATES, INC.
 7636 N. INGRAM SUITE 107
 FRESNO, CA 93711
 05/08/02

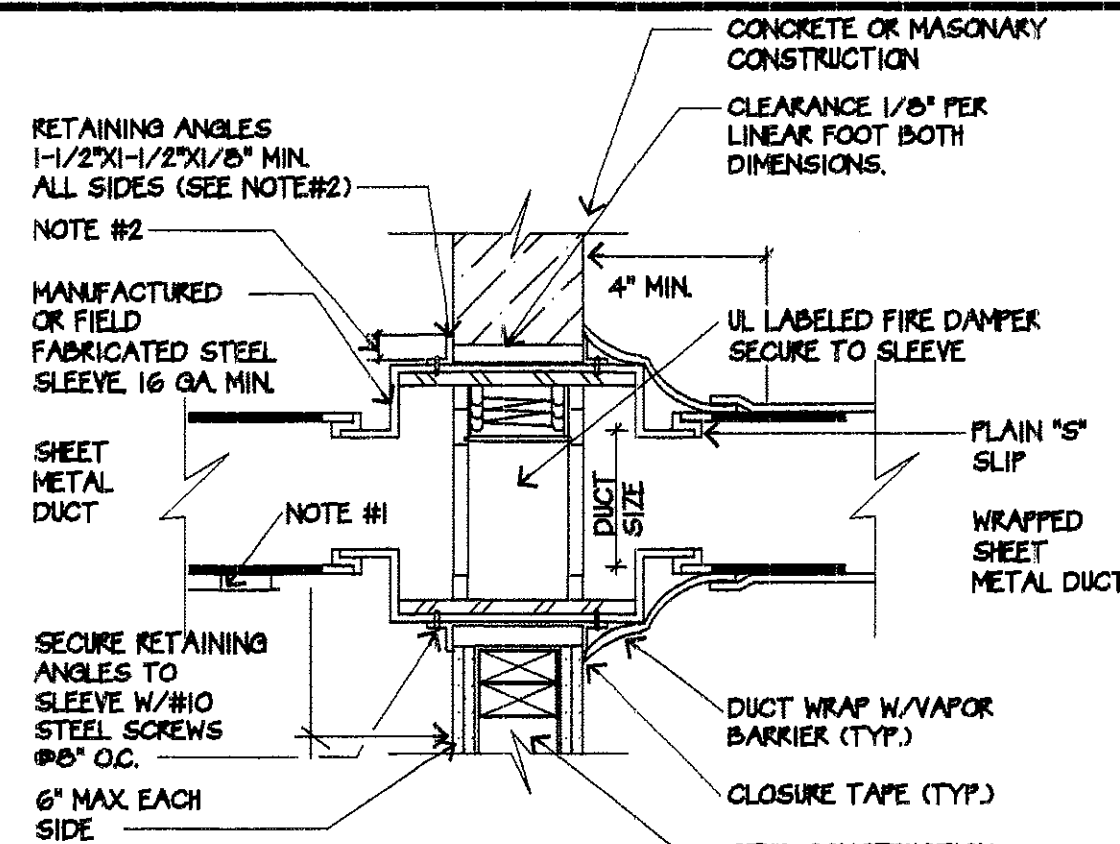
M4
 SHEET
 OF



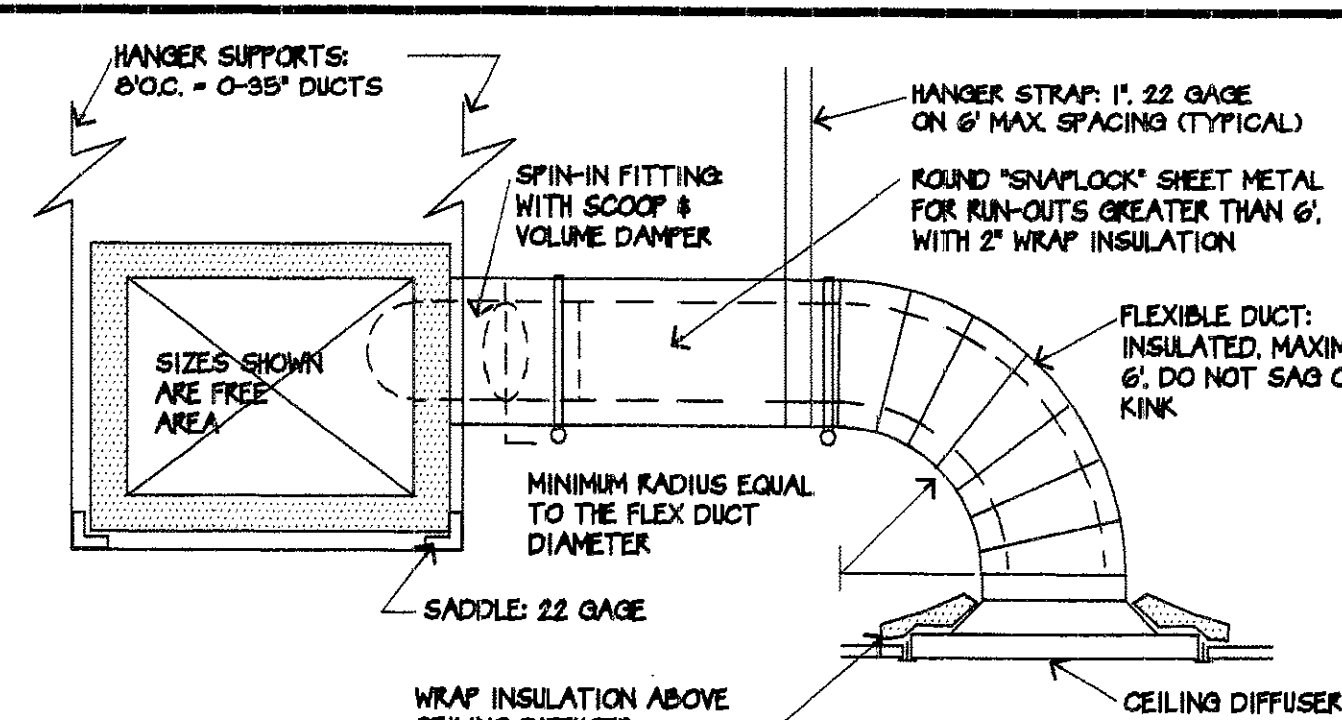
8 VERTICAL FAN COIL DETAIL
N.T.S.



7 PIPE PENETRATION
N.T.S.



4 FIRE & SMOKE DAMPER INSTALLATION DETAIL
N.T.S.

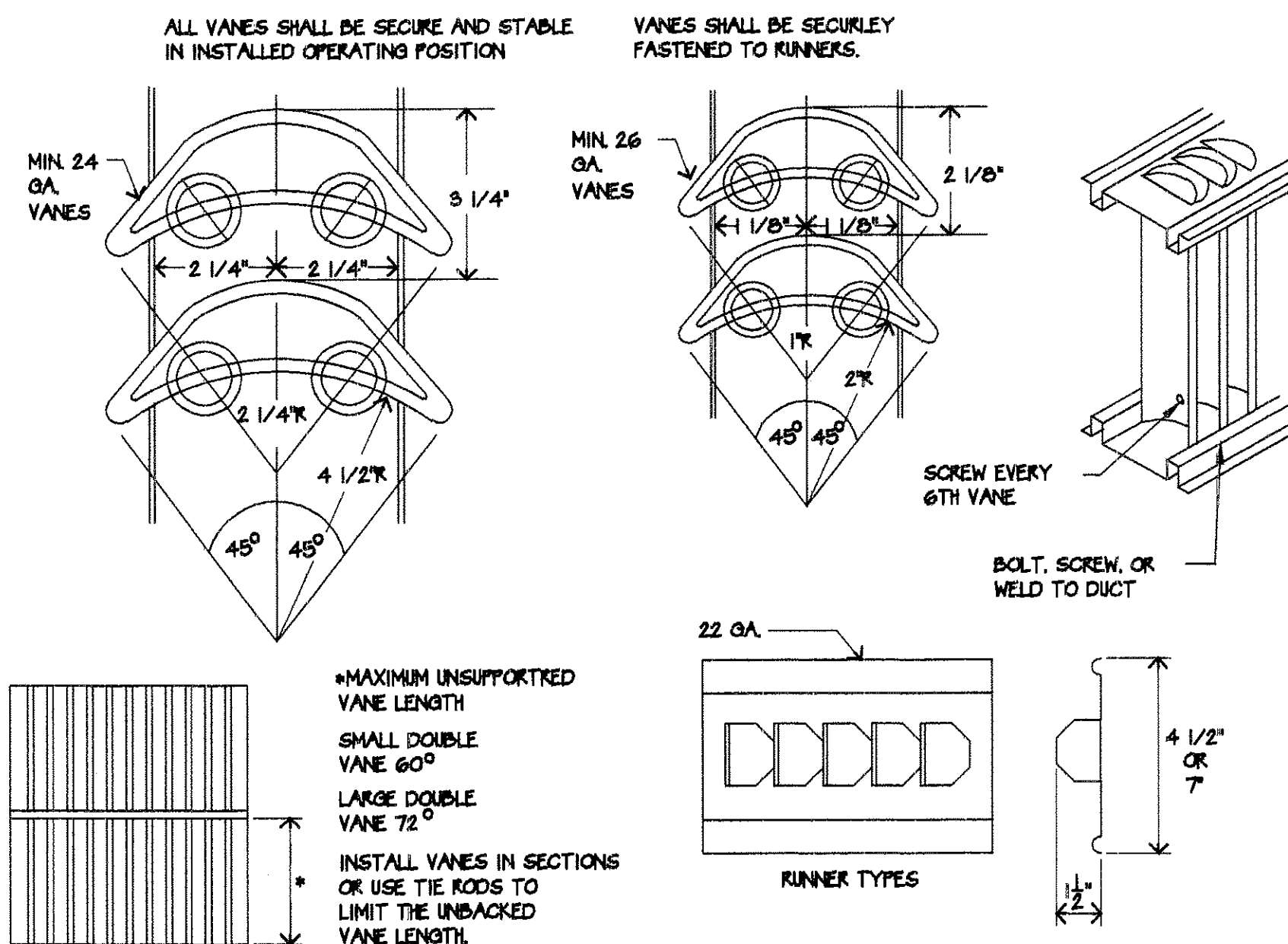


1 DUCT DETAIL
N.T.S.

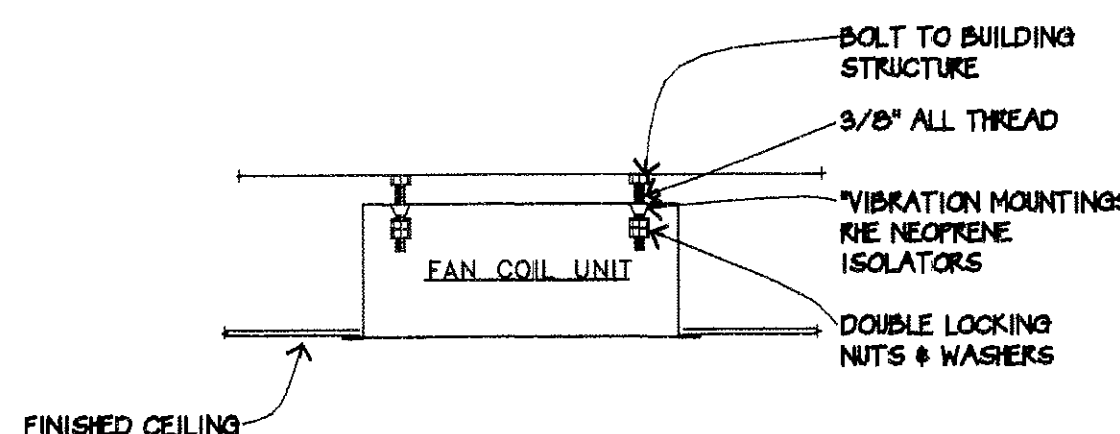
NOTE:

- MECHANICAL CONTRACTOR TO SUPPLY ALL PERMITS AND INSPECTION FEES AS MAY BE REQUIRED BY LOCAL CODES.
- COMPLY WITH ALL APPLICABLE BUILDING, PLUMBING, AND MECHANICAL CODES.
- FILTERS IN RETURN AIR DUCTS TO BE READILY ACCESSIBLE FOR CLEANING.
- CONDENSATE DRAINS TO BE INSTALLED BY THE PLUMBING CONTRACTOR.
- EXHAUST FANS AND DUCTWORK TO BE INSTALLED BY MECHANICAL CONTRACTOR; WIRING TO BE BY ELECTRICAL CONTRACTOR.
- THERMOSTATS TO BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR; WIRING BY ELECTRICAL CONTRACTOR.
- PROVIDE MANUALLY SET / AUTOMATIC SET TIME CLOCK TO TURN OFF A/C EQUIPMENT DURING PERIODS OF NON-USE.
- PROVIDE BACKDRAFT DAMPERS ON ALL EXHAUST FANS PER TITLE 24.
- MECHANICAL CONTRACTOR SHALL COORDINATE WITH ALL OTHER DISCIPLINES (IE: STRUCTURAL, ELECTRICAL, PLUMBING, & FIRE SPRINKLER IF APPLICABLE). CONTRACTOR SHALL BE REQUIRED TO FURNISH, INSTALL, AND CONNECT WITH APPROPRIATE SERVICES ALL ITEMS SHOWN ON DRAWINGS AT NO ADDITIONAL COST TO OWNER.
- DUCT BRACING AND SUPPORTS SHALL COMPLY WITH TABLE 10-E (U.M.C.).
- NOT USED
- INSULATE DUCTS IN ATTIC WITH 1" 3 LB. DUCT WRAP. (PER TITLE 24 REQ'TS.) -ALL DUCT SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS
- PROVIDE FLEX CONNECTION AT UNIT ON SUPPLY AND RETURN DUCTS.
- ROOM THERMOSTATS SHALL BE CAPABLE OF BEING SET TO SPACE TEMPERATURE POINTS FROM 50°F TO 85°F AND SHALL BE CAPABLE OF OPERATING HEATING AND COOLING IN SEQUENCE. THERMOSTATS SHALL BE ADJUSTABLE TO PROVIDE A TEMPERATURE RANGE OF UP TO 10°F BETWEEN FULL HEATING AND FULL COOLING BEING SUPPLIED AND HAVE THE CAPABILITY OF TERMINATING ALL HEATING AT A TEMPERATURE NO MORE THAN 70°F AND COOLING AT A TEMPERATURE OF NOT LESS THAN 78°F.
- A MAINTENANCE LABEL SHALL BE AFFIXED TO MECHANICAL EQUIPMENT AND A MAINTENANCE MANUAL SHALL BE PROVIDED FOR THE OWNERS USE. THE LABEL SHALL CLEARLY INDICATE THE ROUTINE MAINTENANCE ACTIONS WHICH MUST BE PERFORMED TO MAINTAIN THE EQUIPMENT IN EFFICIENT OPERATING CONDITION, OR INDICATE BY NUMBER WHICH MAINTENANCE OR OPERATION MANUALS EXPLAIN THE MAINTENANCE REQUIREMENTS IN GREATER DETAIL.
- ALL EQUIPMENT SHALL COMPLY WITH THE STATE OF CALIFORNIA ENERGY CONSERVATION STANDARDS. EQUIPMENT MANUFACTURERS AND SUPPLIERS SHALL PROVIDE ALL NECESSARY DATA FOR COMPLIANCE. DATA SHALL INCLUDE FULL AND PARTIAL CAPACITY INPUTS AND PERFORMANCE DATA UNDER ALL MODES OF OPERATION AND AMBIENT CONDITIONS. PROVIDE COMPLIANCE CERTIFICATES WITH EQUIPMENT SUBMITTALS.
- ALL DUCT WORK SHALL BE CONSTRUCTED, ERECTED AND TESTED IN ACCORDANCE WITH THE STANDARDS ADOPTED BY SMACNA AND SHALL COMPLY WITH THE STATE OF CALIFORNIA ENERGY CONSERVATION STANDARDS. -ALL HANGERS & SUPPORTS SHALL BE SECURED TO STRUCTURE ABOVE
- TEST AND BALANCE SYSTEM IN ACCORDANCE W/ SMACNA HVAC SYSTEMS TESTING, ADJUSTING AND BALANCING STANDARDS 1983. PROVIDE WRITTEN TEST AND BALANCE REPORT TO THE ARCHITECT PRIOR TO FINAL ACCEPTANCE.
- PROVIDE OUTSIDE AIR INTAKE ON EACH AIR CONDITIONING UNIT (O.S.A.) WITH C.F.M. AS INDICATED.
- ALL WEATHERSTRIPPING, CAULKING AND THE SEALING OF EXTERIOR DOORS, WINDOWS AND BUILDING ENVELOPE OPENINGS, AS REQUIRED BY THE STANDARDS, SHALL BE SUBJECT TO FIELD INSPECTION.
- SLEEVE & SEAL (FIRE PROTECT) ALL PIPING PASSING THROUGH WALLS, FLOORS, & ROOF UNLESS NOTED OTHERWISE
- WHEN PROVIDED BY THE CONTRACTOR/BUILDER, SPECIFY THE INSTALLATION OF CERTIFIED APPLIANCES AND EQUIPMENT:
 - REFRIGERATORS, REFRIGERATOR-FREEZERS
 - ROOM AIR CONDITIONERS
 - CENTRAL AIR CONDITIONERS
 - GAS SPACE HEATERS
 - WATER HEATERS
 - PLUMBING FITTINGS-SHOWER HEADS, LAVATORY AND THE SINK FAUCETS
 - FLUORESCENT LAMP BALLASTS (2-5314)
- STORAGE-TYPE WATER HEATER AND STORAGE BACKUP TANKS FOR SOLAR WATER HEATING SYSTEM SHALL BE EXTERNALLY WRAPPED WITH INSULATION HAVING INSTALLED THERMAL RESISTANCE OF R-12 OR GREATER. SUCH TANKS MAY BE INSULATED TO A COMBINED LEVEL OF R-18 WHEN BOTH INTERNAL AND EXTERNAL WRAP INSULATION ARE CONSIDERED. (2-5352(i))
- PIPING (HOT AND COLD) IN UNCONDITIONED SPACE LEADING TO AND FROM WATER HEATERS SHALL BE INSULATED WITH AN INSTALLED THERMAL RESISTANCE OF R-3 OR GREATER FOR THE MAIN LINE & WITHIN FIVE FEET OF THE MAIN LINE IN UNCONDITIONED SPACE.

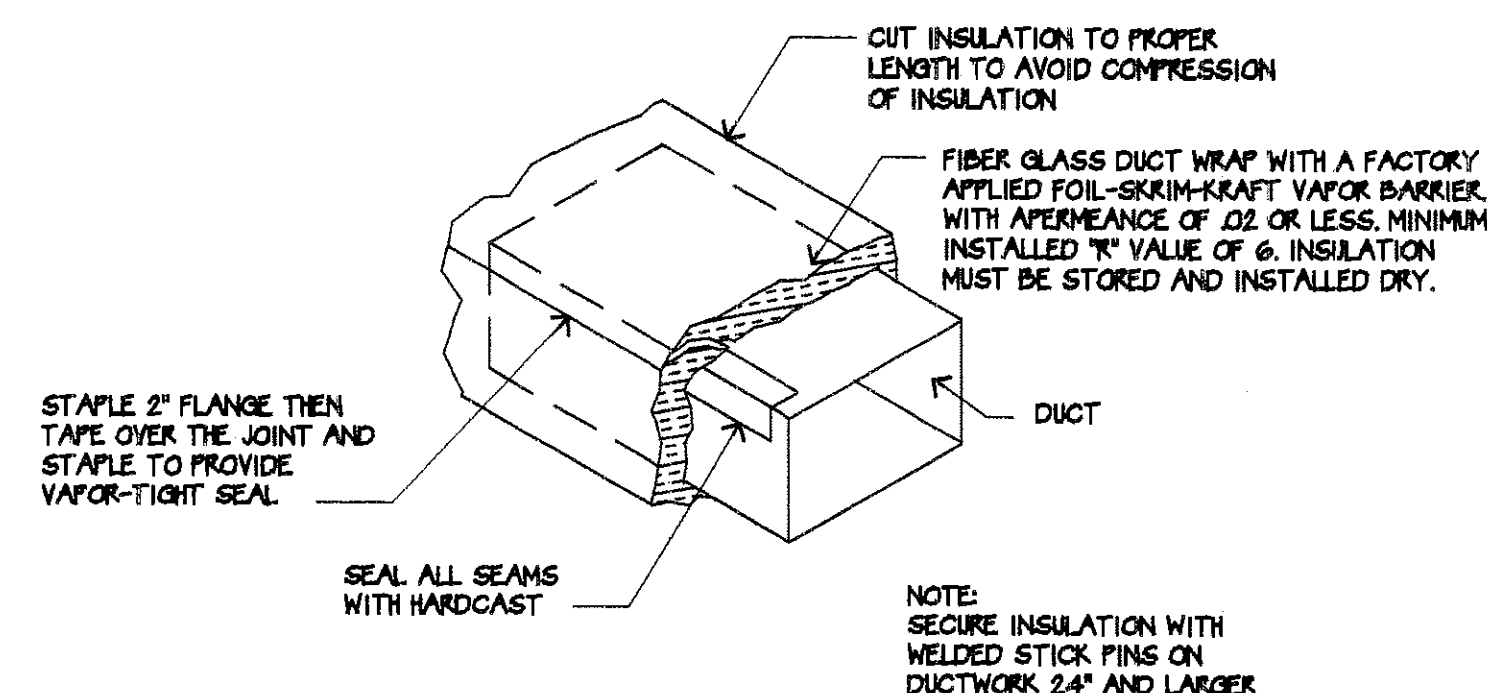
- ANY CHANGE OF WATER HEATER(S) OF HVAC UNITS (MODEL, CAPACITY OR EFFICIENCY) IS REQUIRED TO BE DONE BY PLAN ADDENDUM. THE ADDENDUM SHALL SPECIFY THE CHANGE AND SHALL BE ACCOMPANIED BY A PHOTO COPY OF THE EQUIPMENT PAGE FROM THE CEC DIRECTORY OF CERTIFIED EQUIPMENT. PROVIDE SIZE OF COMBUSTION AIR DUCTS/OPENINGS.
- WHEN MORE THAN ONE HEATING, COOLING, VENTILATING OR REFRIGERATING SYSTEM IS INSTALLED ON THE ROOF OF A BUILDING OR WITHIN THE BUILDING, IT SHALL BE PERMANENTLY IDENTIFIED AS TO THE AREA OR SPACE SERVED BY THE EQUIPMENT.
- REFER TO ARCHITECTURAL DRAWINGS FOR DESIGNATION AND LISTING OF FIRE RATED ASSEMBLY DESIGN NUMBERS, COORDINATE HVAC REQUIREMENTS WITH FIRE RESISTANCE OF MATERIALS AND CONSTRUCTION.
- SUBMIT LISTINGS FOR EACH TYPE OF FIRE DAMPER TO THE LOCAL GOVERNING AUTHORITY AND SCHEDULE AN INSPECTION PRIOR TO REQUESTING A FRAMING INSPECTION.
- NO EXHAUST FLUE SHALL TERMINATE CLOSER THAN 10 FT. FROM ANY AIR INTAKE.
- INSULATION MATERIALS APPLIED TO THE EXTERIOR OF DUCTS LOCATED WITHIN THE BUILDING SHALL HAVE A MAXIMUM FLAME SPREAD RATING OF 25 AND A MAXIMUM SMOKE-DEVELOPMENT OF 50 TESTED AS A COMPOSITE INSTALLATION. (UMC 604.3)
- ALL FACTORY MADE AIR DUCTS, SHALL BE CLASS 0 OR CLASS 1 (UMC 603.2)
- APPROVED LINING MATERIALS INSTALLED WITHIN DUCTS SHALL HAVE A MOLD, HUMIDITY & FRICTION RESISTANT SURFACE THAT MEETS THE REQUIREMENTS OF UMC STD. 6-1. (UMC 604.2)
- CONTRACTOR SHALL INSTALL HVAC SYSTEMS TO INSURE QUIET OPERATION, NO UNDUE VIBRATION OR SOUND SHALL BE TRANSMITTED TO BUILDING STRUCTURE & OCCUPIED AREAS -PROVIDE NECESSARY ISOLATORS, PADS, ETC.
- ALL OUTSIDE AIR INTAKES & EXHAUST OUTLETS SHALL HAVE BIRD SCREENS
- ALL GAS VENT PIPING SHALL BE SELKIRK METALBESTOS MODEL OF ROUND TYPE B GAS VENT. ALL GAS VENT PIPING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, APPLICABLE CODES, & STANDARDS THIS INCLUDES, BUT IS NOT LIMITED TO, CLEARANCES, MINIMUM GAS VENT LENGTH, SUPPORT VENT TERMINATION, CAP INSTALLATION AND CHECKING VENT OPERATION.
- PROVIDE AIR TURNING VANES AT ALL 90 DEGREE SUPPLY ELBOWS.
- ALL DUCTWORK SHALL BE SIGNED WITH A NON-HARDENING NON-MIGRATING MASTIC OR LIQUID ELASTIC SEALANT. PROVIDE HOT-DIPPED GALVANIZED STEEL FASTENERS, ANCHORS, RODS, STRAPS, TRIM, & ANGLES FOR SUPPORT OF DUCTWORK
- FABRICATE DUCT FITTINGS TO MATCH ADJOINING DUCTS AND TO COMPLY WITH DUCT REQUIREMENTS AS APPLICABLE TO FITTINGS UNIT ANGULAR TAPERS TO 30 DEGREES FOR CONTRACTING TAPERS, AND 20 DEGREES FOR EXPANDING TAPERS.
- CONNECT METAL DUCTWORK TO EQUIPMENT AS INDICATED, PROVIDE FLEXIBLE CONNECTION FROM EACH DUCTWORK CONNECTION TO EQUIPMENT MOUNTED ON VIBRATION ISOLATORS, AND/OR EQUIPMENT CONTAINING ROTATING MACHINERY
- INSULATE SUPPLY AND OUTSIDE AIR DUCTWORK WHERE SPECIFIC METHODS OF APPLYING INSULATION ARE NOT SPECIFIED, APPLY INSULATION AS RECOMMENDED BY MANUFACTURER AND APPROVED BY ENGINEER
- AIR MOVING SYSTEMS SUPPLYING AIR IN EXCESS OF 2000 CFM SHALL BE EQUIPPED WITH AUTOMATIC SHUT-OFF ACTIVATED BY SMOKE DETECTION
- FURNISH AND INSTALL ALL LABOR & MATERIALS FOR COMPLETE OPERATING AIR CONDITIONING SYSTEM(S), INCLUDING BUT NOT LIMITED TO AIR CONDITIONING UNITS, EXHAUST FANS, DUCTWORK, GRILLES, CONTROLS, AND REFRIGERANT PIPING
- ALL WORKMANSHIP SHALL BE DONE IN A NEAT & WORKMAN LIKE MANNER, ACCORDING TO THE BEST TRADE PRACTICE BY THOSE SKILLED IN PARTICULAR TRADE. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS
- PLANS ARE DIAGRAMATIC. CONTRACTOR SHALL CONFIRM ALL DIMENSIONS AND LOCATIONS OF AIR CONDITIONING UNITS, DUCT WORK, EXHAUST FANS, WALLS, ETC. AGAINST ARCHITECTURAL & STRUCTURAL DRAWINGS FOR LOCATION AND ACCURACY PRIOR TO COMMENCING ANY WORK.
- PROVIDE 12"x12" (MIN.) ONE-HOUR RATED ACCESS PANEL (WALL OR CEILING) AS REQUIRED FOR ACCESS TO PLUMBING VALVES, ELECTRICAL DEVICES, OR HVAC DAMPERS.



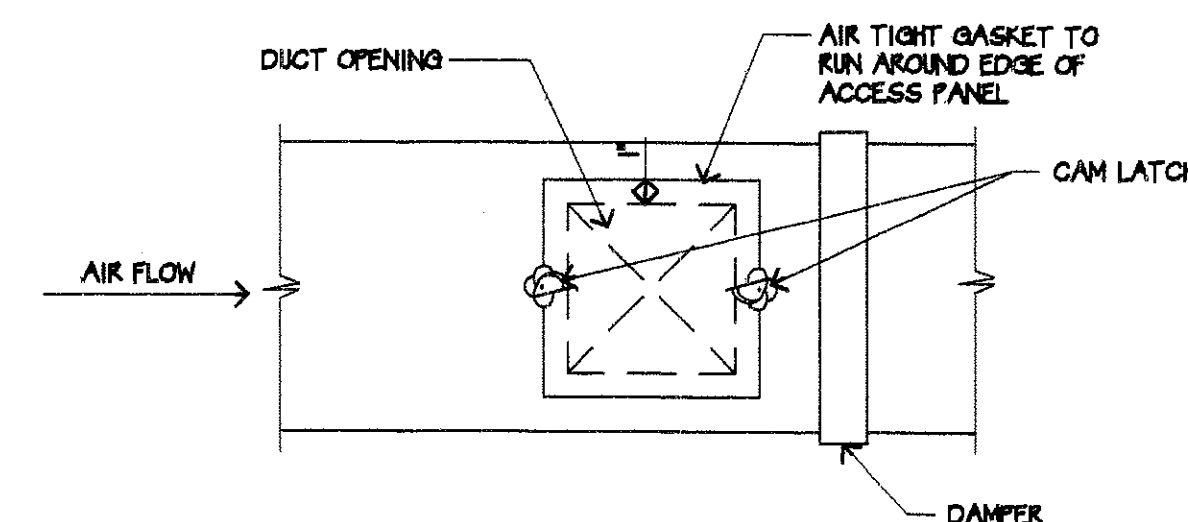
5 TURNING VANES
N.T.S.



6 FAN COIL UNIT SUPPORT DETAIL
N.T.S.



2 TYPICAL DUCT WRAPPING DETAIL
N.T.S.



ACCESS PANEL SIZE SCHEDULE	
DUCT SIZE	ACCESS PANEL SIZE
8" TO 15"	10" W x (DAMPER DEPTH-2") D
15" TO 21"	12" W x (DAMPER DEPTH-2") D
21" AND ABOVE	18" W x (DAMPER DEPTH-2") D

ALL OTHER ACCESS PANELS TO BE A MINIMUM OF 15" x 15" WHERE DUCT SIZE ALLOWS. USE FOUR CAM LATCHES ON PANELS LARGER THAN 16" x 16" SIZE.

3 ACCESS PANEL DETAIL
N.T.S.