



DEPARTMENT OF
HOUSING AND HUMAN CONCERNS
 COUNTY OF MAUI

ALAN M. ARAKAWA
 Mayor
 CAROL K. REIMANN
 Director
 JAN SHISHIDO
 Deputy Director

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2017 JUL 10 PM 3:19

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OFFICE OF THE MAYOR

2017 JUL 11 AM 11:01
 OFFICE OF THE
 COUNTY COUNCIL

RECEIVED

July 10, 2017

Honorable Alan M. Arakawa
 Mayor, County of Maui
 200 South High Street
 Wailuku, Hawaii 96793

For Transmittal to:

Honorable Chair Stacy Crivello
 Housing, Human Services,
 and Transportation Committee
 Maui County Council
 200 South High Street
 Wailuku, Hawaii 96793

APPROVED FOR TRANSMITTAL

 Mayor Date 7/10/17

Dear Chair Crivello:

**SUBJECT: COUNTY-OWNED PARCEL ON NORTH PAPA AVENUE
 (KAHULUI) (HHT-14)**

Thank you for your correspondence of June 20, 2017 pertaining to your committee's discussion on the above subject. Your committee requested the Department's assistance in ensuring the scope of the feasibility study includes the items listed below in bold which are followed by the Department's responses.

- 1. A copy of the renovation plans UHMC has prepared for the three dorm structures and recreation center on property.**

Per your request, please see attached plans developed for UHMC to transform the old dormitories into a Hospitality Training Academy.

- 2. The best use of the property, including the feasibility and practicality of establishing a mixed-use project involving affordable rental units and a homeless facility.**

The best use of the property will be determined after a structural engineer has evaluated the soundness of the existing buildings. The buildings have sat vacant and unused for a length of time and, therefore, a full structural assessment would be required to address potential safety concerns. The

plan is to first conduct a forensic study of the existing structures, and then hire a consultant to move forward, depending upon the forensic results. The department is currently preparing the RFP to hire a structural engineer.

3. Whether existing structures on the property are sound and should be renovated, or whether they should be demolished.

Please see response to question 2.

4. Any useful accessories such as a bus stop to the project.

There is currently a bus stop located at Roselani Place, which is across the street from the parcel.

5. A projected timeframe for completion.

Until we can assess the viability of the existing structures, coming up with a timeframe is premature.

In response to your request for confirmation on whether UHMC intends to remain on the lease agreement until the year 2035, we have confirmed that UHMC has decided to move their training academy to a location on campus and has no intention of continuing the lease. The Department is prepared to terminate with UHMC once we determine if we can salvage the existing structures. If the buildings need to be demolished, then UHMC will pay for the demolition; after which, the department will terminate the lease.

Thank you for the opportunity to provide this information. Should you have any questions, please feel free to contact me at Ext. 7805.

Sincerely,



CAROL K. REIMANN
Director of Housing and Human Concerns

Attachment

GENERAL NOTES

- 1. THE CONTRACTOR SHALL VERIFY ALL FIELD DIMENSIONS AND CONDITIONS PRIOR TO STARTING WORK. ALL DISCREPANCIES SHALL BE PROMPTLY REPORTED TO THE ENGINEER.
2. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR STRUCTURAL ENGINEER BEFORE PROCEEDING WITH ANY WORK SO INVOLVED.
3. ALL WORK SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE (IBC), LATEST EDITION, AS ADOPTED BY THE STATE OF HAWAII.
4. UNLESS SPECIFICALLY DETAILED ELSEWHERE, CONTRACTOR SHALL FOLLOW TYPICAL DETAILS ON SHEETS 50-01 THROUGH 50-03.
5. WHERE CONDITIONS HAVE NOT BEEN SPECIFICALLY INDICATED BUT ARE SIMILAR TO DETAILS SHOWN ON SHEETS 50-01 THROUGH 50-03, MODIFY TYPICAL DETAILS TO MEET SPECIAL CONDITIONS.
6. STRUCTURAL DRAWINGS WHERE INDICATED HAVE BEEN DRAWN TO APPROXIMATE SCALE. UNLESS DRAWING SPECIFICALLY PROVIDES A DIMENSION, THE CONTRACTOR SHALL NOT USE OR SCALE STRUCTURAL DRAWINGS TO DETERMINE DIMENSIONS.
7. PRIOR TO ANY DEMOLITION AND DURING CONSTRUCTION, THE EXISTING STRUCTURES SHALL BE SHORED AS REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING. THE CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION DRAWINGS AND SHORING FOR ALL STRUCTURAL MEMBERS AS REQUIRED FOR STRUCTURAL STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION.

REINFORCING STEEL

- 1. UNLESS OTHERWISE INDICATED ON PLANS AND/OR SCHEDULE, ALL REINFORCING STEEL SHALL BE HIGH STRENGTH BARS REINFORCED BARS WHICH SHALL CONFORM TO THE STANDARD SPECIFICATION OF ASTM A615 GRADE 60. ALL REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706, GRADE 60. FOR SPECIAL CHORD REINFORCEMENT ASTM 615 GRADE 75 BARS SHALL BE USED AS SPECIFIED ON PLANS.
2. LOW HYDROGEN WELDING RODS SHALL BE USED FOR ALL WELDING TO REINFORCING BARS.
3. REINFORCING SHALL BE SPLICED ONLY AS SHOWN OR NOTED. SPLICES AT OTHER LOCATIONS SHALL BE MADE AWAY FROM POINTS OF MAXIMUM STRESS AND APPROVED BY THE ENGINEER. SEE DETAILS FOR "LAP SPLICES".
4. BARS NOTED AS "CONT. VERTICAL AND HORIZONTAL WALL REINFORCING AND COLUMN REINFORCING SHALL HAVE A MINIMUM SPICE EQUAL TO 48 BAR DIAMETERS BUT NOT LESS THAN 72 INCHES.
5. WHERE MECHANICAL SPLICES ARE REQUIRED, SPLICES SHALL BE ABLE TO DEVELOP 125% OF THE YIELD STRENGTH OF THE BAR AND SHALL BE STAGGERED 3'-0" BETWEEN ADJACENT BARS.
6. PROVIDE DOWELS IN FOOTINGS THE SAME SIZE AND NUMBER AND IN THE SAME LOCATION AS VERTICAL COLUMN REINFORCING. DOWELS SHALL HAVE A MINIMUM PROJECTION EQUAL TO 48 BAR DIAMETERS BUT NOT LESS THAN 24 INCHES.
7. ALL REINFORCING STEEL ANCHOR BOLTS AND OTHER INSERTS SHALL BE SECURED IN POSITION PRIOR TO PLACING CONCRETE.
8. MINIMUM CONCRETE COVER:
A.) MINIMUM COVER FOR CAST-IN-PLACE CONCRETE (NON-PRESTRESSED): THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:

Table with 2 columns: REINFORCEMENT TYPE and COVER (IN). Includes rows for concrete cast against and permanently exposed to earth, formed concrete surfaces, and various bar sizes for slabs, walls, and columns.

- C.) CONCRETE COVER TOLERANCE SHALL BE AS FOLLOWS:
(1) FORMED SOFFITS OR MEMBERS 4" OR LESS IN THICKNESS: +3/8", -0"
(2) MEMBERS 12" THICK OR LESS: +3/8", -3/8"
(3) MEMBERS GREATER THAN 12" THICK: +3/4"

- FOR ALL CASES, THE COVER SHALL NOT BE LESS THAN 1/2 OF WHAT IS INDICATED AND REQUIRED BY THE DRAWINGS AND SPECIFICATIONS.
D.) WHEN THE IBC REQUIRES A THICKNESS OF COVER FOR FIRE PROTECTION GREATER THAN THE MINIMUM CONCRETE STATED ABOVE, SUCH GREATER THICKNESS SHALL BE USED.

CONCRETE BLOCK MASONRY

- 1. ALL MASONRY WORK SHALL CONFORM TO ACI 530-05.
2. CONCRETE BLOCK SHALL BE TYPE II HOLLOW LOAD BEARING UNITS.
3. MASONRY MORTAR SHALL BE TYPE "M", WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2,500 PSI CONFORMING TO ASTM C270.
4. MASONRY GROUT SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2,500 PSI.
5. ALL CELLS SHALL BE GROUTED SOLID. GROUT IN LIFTS NOT TO EXCEED 6'-0".
6. UNLESS NOTED OTHERWISE, ALL WALLS SHALL BE CONSTRUCTED IN CONVENTIONAL RUNNING BOND.
7. AT CMU WALLS PROVIDE HORIZONTAL JOINT REINFORCING AT 16" O.C.
8. WIRE POSITIONERS - CMU WALL REINFORCING SHALL BE SECURED AGAINST DISPLACEMENT BY GALVANIZED NO. 9 GAUGE WIRE POSITIONERS SPACED AT NOT MORE THAN 200 TIMES THE BAR DIAMETER.

CONCRETE

- 1. ALL CONCRETE WORK SHALL CONFORM TO ACI 318-05.
2. SLEEVES EXCEEDING ONE-THIRD THE SLAB OR WALL THICKNESS SHALL NOT BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED. PIPE MAY PASS THROUGH STRUCTURAL CONCRETE IN SLEEVES BUT SHALL NOT BE EMBEDDED THEREIN.
3. SECURE ALL BOLTS, ANCHORS, INSERTS, ETC. AND VERIFY ALL GROOVES, SLOTS, AND FINISHES PRIOR TO PLACING CONCRETE.
4. VERIFY LOCATIONS AND DIMENSIONS OF SLOTS, ANCHORS, DUCTS, ETC., RELATING TO MECHANICAL, ELECTRICAL, AND ARCHITECTURAL WORK BEFORE POURING CONCRETE.
5. ALL CONCRETE WORK SHALL BE THOROUGHLY CONSOLIDATED DURING PLACEMENT USING A MECHANICAL VIBRATOR, BACKUP (EXTRA) VIBRATOR(S) SHALL BE PRESENT AT EACH FOR IN CASE OF FAILURE.
6. ALL CONCRETE SHALL BE CURED FOR A PERIOD OF NOT LESS THAN 7 DAYS.
7. LOCATIONS OF ALL CONSTRUCTION OR COOLD Joints SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.
8. 48 HOURS PRIOR TO THE POURING OF ANY STRUCTURAL CONCRETE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO AN INSPECTION CAN BE MADE OF ALL FORMS AND REINFORCING STEEL.
9. THE 28-DAY COMPRESSIVE STRENGTH OF CONCRETE SHALL BE AS FOLLOWS:

Table with 4 columns: LOCATION, STRENGTH (PSI), MAX. AGGREGATE, W/C RATIO. Includes rows for building slab on grade, exterior walkway and landings, and footings and grade beams.

EPOXY ANCHORS:

- 1. ADHESIVE SHALL BE AN INJECTABLE TWO-COMPONENT EPOXY SUCH AS SIMPSON SET-UP, HILTI HIT BE-800 SD OR APPROVED EQUAL.
2. INSTALLATION OF EPOXY ANCHORS SHALL FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS.
3. THREADED ANCHOR RODS SHALL BE HOT DIP GALVANIZED AND CONFORM TO ASTM A-193, GRADE B7. THREADED ANCHOR RODS SHALL BE UNC FULLY THREADED, CLEAN, STRAIGHT AND FREE OF INDENTATIONS OR OTHER DEFECTS ALONG THEIR LENGTH.
4. HOLES SHALL BE DRILLED WITH A CARBIDE-TIPPED DRILL BIT. IF HOLES ARE CORE DRILLED WITH DIAMOND-CORE BITS, EPOXY ADHESIVE SELECTED FOR USE BY THE CONTRACTOR SHALL BE SUITABLE FOR THIS APPLICATION WITH NO REDUCTION IN PUBLISHED ALLOWABLE SHEAR AND TENSION LOADS.
5. DIAMETER OF HOLES SHALL BE EQUAL TO THREADED ROD DIAMETER +4".
6. ANCHORS SHALL BE INSTALLED IN CONCRETE/CMU THAT HAS REACHED ITS FULL DESIGN COMPRESSIVE STRENGTH.
7. INSTALLATION OF EPOXY ANCHORS SHALL BE PERFORMED UNDER THE SUPERVISION OF A SPECIAL INSPECTOR IN ACCORDANCE WITH SECTIONS 1704.4 AND 1704.13 OF THE IBC. THE SPECIAL INSPECTOR MUST BE ON THE JOBSITE TO VERIFY ANCHOR TYPE, ANCHOR DIMENSIONS, CONCRETE TYPE, CONCRETE/CMU COMPRESSIVE STRENGTH, HOLE DIMENSIONS, HOLE CLEANING PROCEDURES, ANCHOR SPACING, EDGE DISTANCES, ANCHOR EMBEDMENT, AND TIGHTENING TORQUE.

DESIGN LOADS

- 1. SLOPED ROOF LIVE LOAD: 20 PSF
2. FLOOR LIVE LOADS: RESIDENTIAL 40 PSF, STAIRS 100 PSF
3. WIND 105 MPH PER IBC, EXPOSURE C, Iw=1.0, Kzt=1.6
4. SEISMIC PER IBC, Sp=0.98, Si=0.252, Ie=1.0, SITE CLASS D
5. ALL COMPONENTS TO BUILDING SHALL BE SECURED PROPERLY TO RESIST LATERAL SEISMIC FORCES IN ACCORDANCE TO THE IBC. DESIGN OF ATTACHMENTS FOR COMPONENTS SHALL BE THE RESPONSIBILITY OF SUB-CONTRACTOR INSTALLING SUCH COMPONENT

SPECIAL INSPECTION REQUIREMENTS LIST BELOW

- SPECIAL INSPECTION REQUIREMENTS:
1. THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR FOR WORK REQUIRING SPECIAL INSPECTION PER CHAPTER 17 OF THE 2009 IBC AS ADOPTED BY THE COUNTY OF MAUI.
2. SPECIAL INSPECTION FIRM SHALL HAVE AT LEAST 6 YEARS OF EXPERIENCE AND SHALL BE CERTIFIED WITHIN THE BUILDING DEPARTMENT JURISDICTION OF CONSTRUCTION (IF SUCH CERTIFICATION EXISTS).
3. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE SPECIAL INSPECTOR TO ENSURE THAT ALL ELEMENTS REQUIRING SPECIAL INSPECTION ARE INSPECTED.
4. SPECIAL INSPECTION IS REQUIRED FOR THE FOLLOWING TYPES OF WORK:
A. CONCRETE: OBSERVE THE TAMPING OF TEST SPECIMENS AND THE PLACING OF CONCRETE FOR ALL ELEMENTS.
B. REINFORCING STEEL: OBSERVE THE PLACEMENT OF ALL REINFORCING. THE SPECIAL INSPECTOR NEED NOT BE PRESENT CONTINUOUSLY DURING THE PLACING OF REINFORCING STEEL, PROVIDED HE HAS INSPECTED FOR CONFORMANCE WITH THE APPROVED PLANS PRIOR TO THE CLOSING OF FORMS FOR THE DELIVERY OF CONCRETE TO THE JOBSITE.
C. ANCHOR BOLTS FOR STEEL COLUMNS AND POST
D. EXPANSION BOLTS AND EPOXY ANCHORS/REBAR
E. CONTINUOUS LOAD PATH AND SHEARWALL HOLD DOWNS

CONCRETE REPAIR/REHABILITATION

- PROJECT CONDITIONS:
1. DO NOT FORMALLY MATERIAL IF IT IS RAINING OR IF RAIN IS IMMINENT.
2. PRECAUTIONS SHOULD BE TAKEN TO AVOID DAMAGE TO ANY SURFACE NEAR THE WORK ZONE DUE TO SPILLAGE.
3. LEAVE FINISHED WORK IN NEAT, CLEAN CONDITION WITH NO EVIDENCE OF SPILL OVER ONTO ADJACENT SURFACES.
PRODUCTS:
1. ANTI-CORROSION PROTECTIVE COATING (CORROSION INHIBITOR): TWO-COMPONENT, ACRYLIC RESIN EPOXY SYSTEM FORMING FILM TO INHIBIT THE CORROSION OF REINFORCING STEEL AND TO ACT AS A BONDING AGENT. SUCH AS: SIKKA ARMA-TIC 110 EPOXIM, MASTER EMO-COPI24 OR APPROVED EQUAL.
2. FAST SETTING, HIGH STRENGTH PATCHING MORTAR (POLYMER MODIFIED MORTAR) FOR HORIZONTAL APPLICATIONS: ACRYLIC POLYMER-MODIFIED, PORTLAND CEMENT BASED, TROWEL-GRADE PATCHING MORTAR. CONFORM TO REQUIREMENTS OF ASTM C 884, SUCH AS SKATOP 123 PLUS, MASTER EMO-CO 1310 OR T430, OR APPROVED EQUAL.
3. FAST SETTING, HIGH STRENGTH PATCHING MORTAR (POLYMER MODIFIED MORTAR) FOR VERTICAL APPLICATIONS: TWO-COMPONENT (OR SINGLE COMPONENT), ACRYLIC POLYMER-MODIFIED, PORTLAND CEMENT BASED, NON-SAG PATCHING MORTAR. CONFORM TO REQUIREMENTS OF ASTM C 884, SUCH AS SKATOP 123 PLUS, MASTER EMO-CO 1420, OR APPROVED EQUAL.
PREPARATION -GENERAL:
1. ACI 503R, AND 503.2, AND 503.4 FOR EPOXY RESIN SYSTEMS. MIX THE PATCHING MATERIALS WITH OR WITHOUT FILLERS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. ALL APPLICATIONS OF THE MIXED MATERIALS SHALL BE PERFORMED WITHIN THE WORKING LIFE OR POT LIFE OF THE PATCHING SYSTEM. UNUSED MIXED MATERIALS WHICH HAVE REACHED THE END OF THE WORKING OR POT LIFE SHALL BE REMOVED FROM THE JOB SITE AT THE CONTRACTOR'S EXPENSE. FIELD WELDING AND SIZE OF BATCH SHALL BE DETERMINED BY THE CONTRACTOR. PATCHING SYSTEMS SHALL BE PROVIDED AS INDICATED AND REQUIRED BY SPECIFICATIONS.
2. CLEANING: PREPARE ALL SURFACES REQUIRING PATCHING SO THAT THEY WILL BE STRUCTURALLY SOUND, CLEAN, AND FREE OF DIRT, LOOSE CONCRETE, LOOSE MORTAR PARTICLES, PAINT, FILMS, PROTECTIVE COATINGS, EFFLORESCENCES, LANTANE, AND OTHER MATTER DETRIMENTAL TO PROPER ADHESION.
3. CHECK AREAS AROUND CRACKS, BUSTERS, OLD PATCHES, AND RUST SPOTS BY TAPPING SURFACE WITH A HAMMER, OTHER BLUNT INSTRUMENT, OR USING A CHAIN, SOUND FOR LOOSE OR HOLLOW AREAS AND MARK AREAS FOR REMOVAL OF UNSOUND CONCRETE OR MORTAR.
4. REMOVE UNSOUND MATERIALS AND FILMS BY MEANS OF CHIPPING, SAW CUTTING, BUSH HAMMERS, NEEDLE GUNNING, SAND BLASTING, OR OTHER SUITABLE METHOD.
5. WASH DEBRIS FROM WORK SURFACES WITH CLEAN WATER. REMOVE ANY REMAINING EFFLORESCENCE BY ACID WASH, MURIATIC OR SIMILAR, AND RINSE WITH CLEAN WATER.
PREPARATION - REINFORCEMENT:
1. MECHANICALLY REMOVE ALL RUST AND LOOSE MATERIAL FROM ALL EXPOSED RUSTED REINFORCING STEEL TO SOUND METAL BY POWER BRUSHING, NEEDLE SCALER, OR SAND BLASTING.
2. APPLY ANTI-CORROSION PROTECTIVE COATING ACCORDING TO MANUFACTURER'S PRINTED INSTRUCTIONS TO ALL EXPOSED AND CLEANED REINFORCING BARS AND CONCRETE SURFACES TO RECEIVE PATCH.
3. USING BRUSH OR ROLLER, SCUB PRIMER BONDING AGENT ONTO WORK SURFACES WHILE ALSO COMPLETELY COATING EXPOSED REINFORCING STEEL AND CONCRETE.
4. DO NOT RESURFACE OVER HARDENED PRIMER BONDING AGENT. IF PRIMER BONDING AGENT BECOMES THICK, FREELY, MECHANICALLY ROUGHEN SURFACE AND REPRIME.

- SPALL REPAIR (INCLUDES CRACKED/CLOSED SPALL CORNER OF PEDESTAL):
1. SAW CUT OR ROUT OUT SPALLS TO A MINIMUM WIDTH AND DEPTH OF 1/2 INCH.
2. REFER TO GENERAL PREPARATION INSTRUCTIONS ABOVE.
3. IF REINFORCING BARS IS EXPOSED, REFER TO REINFORCING PREPARATION INSTRUCTIONS ABOVE.
4. MECHANICALLY SCRAFF WORK SURFACES TO OBTAIN AGGREGATE FRACTURE WITHIN A MINIMUM SURFACE PROFILE OF PLUS OR MINUS 1/8 INCH.
5. APPLY PRIMER BONDING AGENT PER ABOVE INSTRUCTIONS AND MANUFACTURER'S PRINTED INSTRUCTIONS.
6. WASH PRIMER BONDING AGENT IS STILL TACKY, MIX AND APPLY PREPARED PATCHING MORTAR TO PREPARED SPALL FOLLOWING MANUFACTURER'S PRINTED INSTRUCTIONS.
7. PLACE PATCHING MATERIAL IN THIN LAYERS AS RECOMMENDED BY THE MANUFACTURER. EACH INTERMEDIATE LAYER SHALL BE CROSS-SORTED FOR MECHANICAL BONDING. ALL LAYERS FOR EACH PATCH SHALL BE PLACED ON THE SAME DAY. USE HAND TAMPERS TO CONSOLIDATE THE PATCHING MATERIAL. LEVEL EACH LAYER AND SMOOTH THE FINAL SURFACE. REMOVE EXCESS PATCHING MATERIAL ON ADJACENT SURFACES BEFORE IT HARDENS. DO NOT FEATHER OUT ONTO ADJACENT SURFACES. UPON COMPLETION OF FINISHING OPERATIONS, APPLY EVAPORATION REDUCER AND THEN APPLY CURING COMPOUND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. PROTECT PATCHES WITH WATERPROOF FORMS AND/OR COVERS UNTIL THE PATCHES ARE PROPERLY CURED.
8. USE PROPER PATCHING MATERIAL DEPENDING ON IF THE LOCATION OF THE SPALL IS HORIZONTAL, VERTICAL, OR OVERHEAD.
9. MINIMUM DEPTH OF SPALL PATCH OVER REINFORCING SHALL BE 1 INCH.
10. DO NOT FEATHER EDGES OF SPALL PATCH. SAW CUT OR ROUT EDGE OF REPAIR TO OBTAIN A 1/2 INCH MINIMUM VERTICAL EDGE TO REPAIRED AREA.
11. FINISHED PATCHED SPALL SHOULD MATCH EXISTING SURFACES IN TEXTURE AND APPEARANCE.
12. AT EXPOSED AREAS, GRIND THE REPAIRED PATCH FLUSH WITH SURROUNDING SURFACES. PATCH TEXTURE TO MATCH EXISTING.

ABBREVIATIONS

Table of abbreviations including A.B. (Anchor Bolt), ARCH (Architectural or Architect), BAL (Balance), BOT (Bottom), BW (Beam), B.T.B. (Cast in Place), C.I.P. (Complete Joint Penetration Weld), CLR (Clear), CMU (Concrete Masonry Unit), CCL (Column), CONC (Concrete), CONT (Connection), CONN (Rebar Diameter), DIA (Diameter), DIMS (Dimensions), DET (Detail), EA (Each), E.F. (Expansion Joint), EL (Elevator), EQ (Equal), EXP (Expansion), EXT (Exterior), F.P. (Full Penetration Foot or Feet Footing), FTS (Footing), GA (Gage), GALV (Galvanized), HOD or H.O.G. (Hot Dipped Galvanized Horizontal), HSB (High Strength Bolt), INT (Interior), JT (Joint), KSP (Kilo Pounds per Square Foot), LONG (Longitudinal), MAX (Maximum), M.B. (Machine Bolt), MECH (Mechanical), MIN (Minimum), NOT TO SCALE (Not to Scale), NO. (Number), O.C. (On Center), OPP (Opposite), PL (Plate), POUNDS PER SQUARE INCH (Pounds per Square Inch), POUNDS PER SQUARE FOOT (Pounds per Square Foot), R.F. OR REINFORCED OR REINFORCEMENT REQUIRED (Reinforced or Reinforcement Required), SHEET (Sheet), SP (Space or Spaces), SML (Smaller), SQ (Square), STD (Standard), T & B (Top and Bottom Only), T.O.C. (Top of Concrete), T.O.F. (Top of Footing), T.O.S. (Top of Slab), T.O.W. (Top of Wall), TRANSVERSE (Transverse), TYP (Typical), VERT. (Vertical), W/F (With), W/O (With Out), W.J. (Wall Joint), W.W.F. (Welded Wire Fabric), W.W.M. (Welded Wire Mesh)

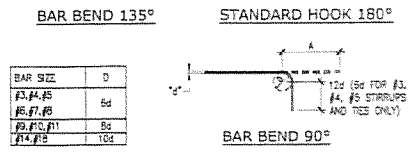
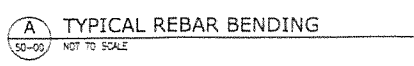
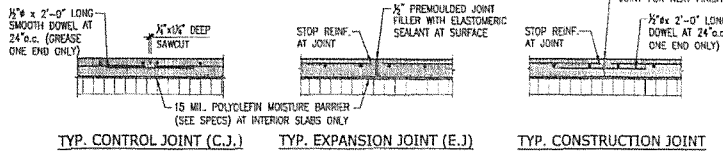


Table titled 'MINIMUM EXTENSION LENGTHS "A"' showing bar size, standard hooks, and ties and stirrups for various bar sizes from #3 to #8.



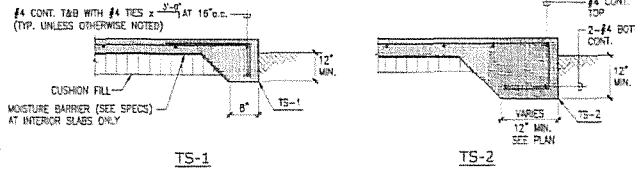
Professional seal and project information for the University of Hawaii Maui College. Includes project number CC-11-5382, date 02-11-2012, and a signature block with date 02-20-2012.

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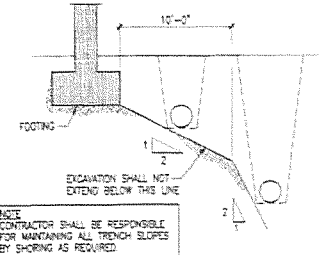
SAWCUT SHALL BE PERFORMED WITHIN 8 HOURS OF POUR AND AS SOON AS SLAB HAS SET AND IS FIRM ENOUGH SUCH THAT SAWCUT BLADE DOES NOT RIP, TEAR, OR DAMAGE SLAB OR UNRAVEL EDGES

A TYPICAL SLAB JOINT DETAILS
50-01 NOT TO SCALE



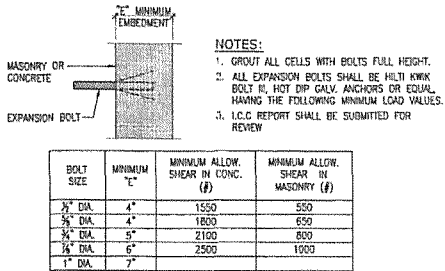
1. THIS DETAIL IS INTENDED TO SHOW DIMENSION OF THICKENED EDGE SLAB ONLY.
2. ALL SIDEWALK EDGES SHALL HAVE TS-1.

B THICKENED SLAB DETAIL (TS-1 and TS-2)
50-01 NOT TO SCALE

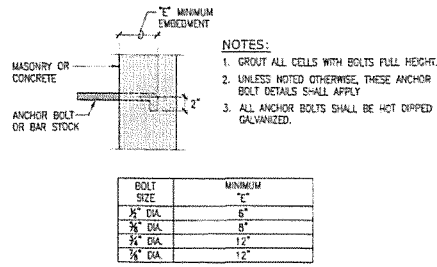


NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TRENCH SLOPES BY SHORING AS REQUIRED.

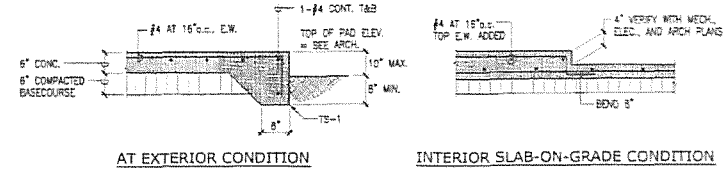
C TRENCH DETAIL
50-01 NOT TO SCALE



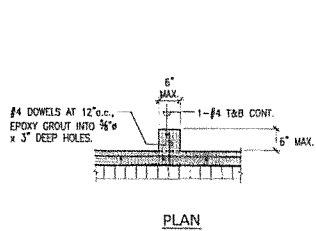
D EXPANSION BOLT
50-01 NOT TO SCALE



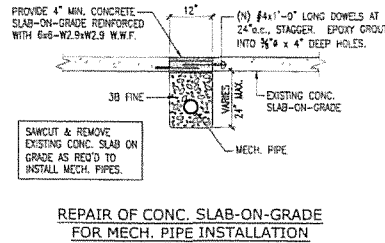
E ANCHOR BOLT
50-01 NOT TO SCALE



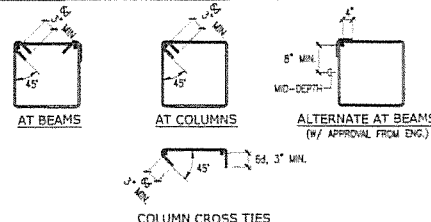
F TYPICAL RAISED PAD AT SLAB-ON-GRADE CONDITION
50-01 NOT TO SCALE



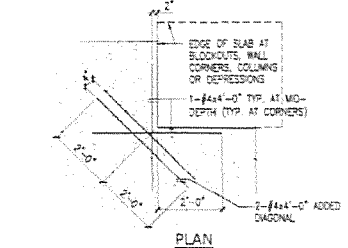
G TYP. CURB AT BASE OF STUD WALL
50-01 NOT TO SCALE



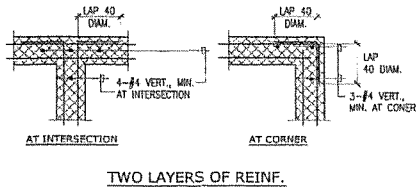
H SLAB ON GRADE REPAIR DETAIL
50-01 NOT TO SCALE



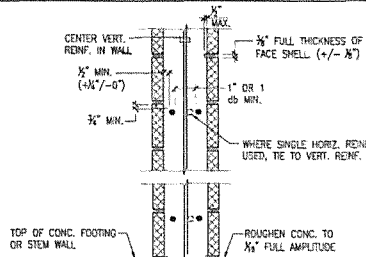
J TYPICAL STIRRUP AND TIE DETAIL
50-01 NOT TO SCALE



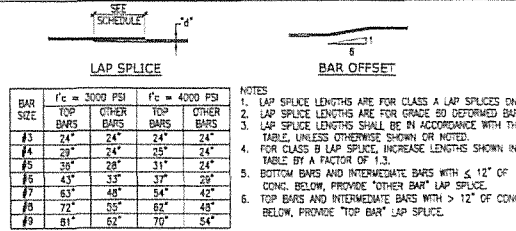
K TYP. S.O.G. RE-ENTRANT CORNER/BLOCKOUT DETAIL
50-01 NOT TO SCALE



L TYP. CMU WALL BOND BEAM REINFORCING
50-01 NOT TO SCALE



M TYPICAL CMU DETAIL
50-01 NOT TO SCALE



N TYPICAL LAP SPLICE DETAIL
50-01 NOT TO SCALE

REVISION	DATE	DESCRIPTION	BY	DATE

UNIVERSITY OF HAWAII
STATE OF HAWAII

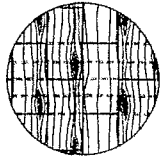
UNIVERSITY OF HAWAII MAUI COLLEGE
124 PROJECT NUMBER 00-11-5302
2245A & 2245B HOSPITALITY ACADEMY RENOVATION
KAMOLEKI, MAUI

TYPICAL DETAILS

PROJECT NO. **S0-01**

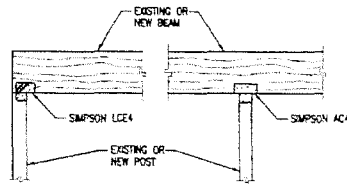
ISSUED BY: **SL&A ASSOC., INC.**
1715 KING STREET, 10 FLOOR
HONOLULU, HAWAII 96813

DESIGNED BY: **SL&A ASSOC., INC.**
CHECKED BY: **SL&A ASSOC., INC.**
DATE: **5-30-2012**

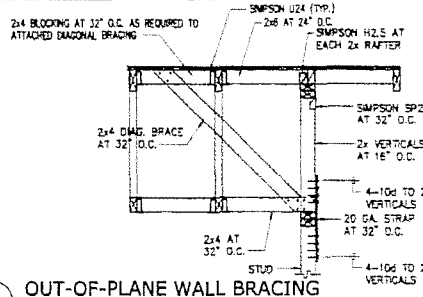


- NOTE**
- LAY ALL PLYWOOD WITH FACE GRAIN ACROSS SUPPORTS.
 - STAGGER ALL PANELS.
 - UNLESS NOTED OTHERWISE, FOR SPECIAL SHEARWALL OR DIAPHRAGM LOCATIONS PROVIDE THE FOLLOWING MINIMUM NAILING:
 - 1/2" PLYWOOD - 8d AT 6" O.C. ALL FRAMING.
 - 5/8" PLYWOOD - 10d AT 6" O.C. ALL FRAMING.
 - 3/4" PLYWOOD - 10d AT 6" O.C. ALL FRAMING.
 - PROVIDE SOLID BLOCKING AT ALL RIDGE, VALLEYS AND HPS.

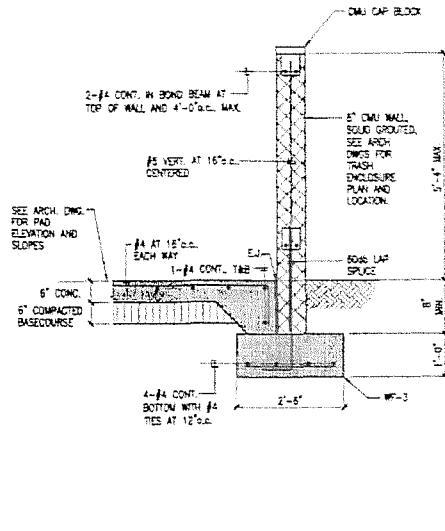
A TYP. PLYWOOD LAYOUT
50-02 NOT TO SCALE



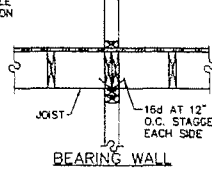
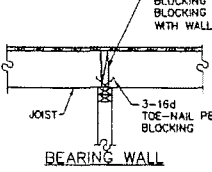
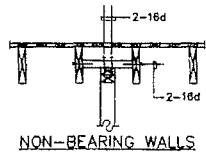
B TYP. BEAM TO POST CONNECTION
50-02 NOT TO SCALE



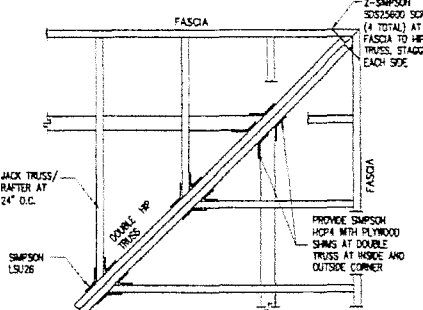
C OUT-OF-PLANE WALL BRACING
50-02 NOT TO SCALE



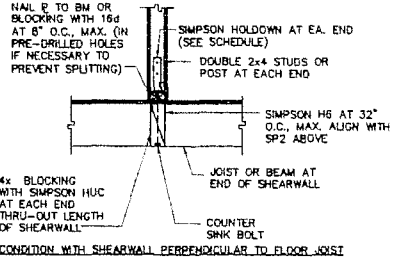
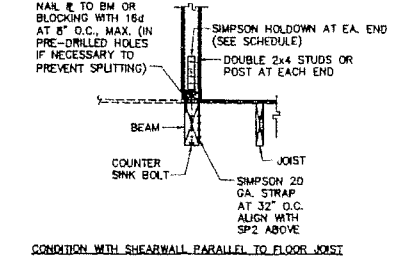
F SECTION AT TRASH ENCLOSURE
50-02 SCALE: 3/4" = 1'-0"



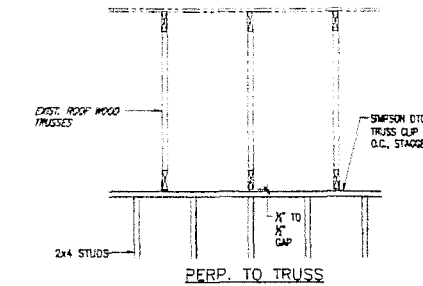
D TYP. STUDWALL (NON-SHEARWALL) TO FLOOR CONNECTION
50-02 NOT TO SCALE



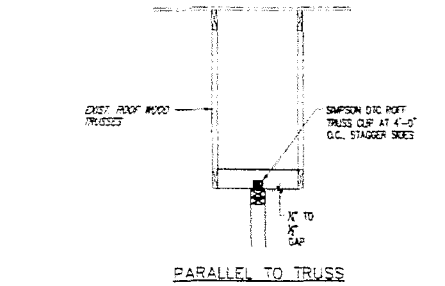
E TYPICAL HIP CORNER
50-02 NOT TO SCALE



G DETAIL OF SHEARWALL END POST/DBL STD & NAILING REQ'D AT 2ND FLOOR
50-02 NOT TO SCALE



H TYP. NON-BEARING STUDWALL TO ROOF CONNECTION
50-02 NOT TO SCALE



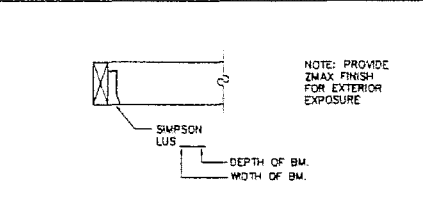
I TYP. NON-BEARING STUDWALL TO ROOF CONNECTION
50-02 NOT TO SCALE

- WOOD:**
- ALL WOOD STRUCTURAL MEMBERS SHALL BE DOUGLAS FIR AND SHALL MEET THE FOLLOWING MINIMUM GRADINGS AS ESTABLISHED BY THE WEST COAST LUMBER INSPECTION BUREAU:

BEAMS	NO. 1
JOISTS/WATERS/TRUSSES	NO. 1
POSTS AND STUDS	NO. 1
BLOCKING, PLATES, LEDGERS ETC.	NO. 2
 - PROVIDE 30# FELT BELOW ALL PLATES RESTING ON CONCRETE OR MASONRY.
 - PROVIDE STANDARD WASHERS AT ALL BOLTS AND NUTS BEARING ON WOOD.
 - HOLES THRU PLATES AND STUDS SHALL BE CENTERED IN THE MEMBER AND SHALL NOT EXCEED 1/3 THE PLATE WIDTH.
 - MINIMUM NAILING SHALL COMPLY WITH TABLE 2304.9.1 OF THE INTERNATIONAL BUILDING CODE.
 - ALL PREFABRICATED METAL HANGERS AND CONNECTORS NOTED IN THE DRAWINGS SHALL BE "SIMPSON STRONG-TIE" CONNECTORS, WITH 2-MAX COATING, OR APPROVED EQUALS.
 - ALL WOOD STRUCTURAL MEMBERS SHALL BE TREATED AGAINST ROT AND INSECT DAMAGE. SEE SPECIFICATIONS.
 - PROVIDE 2x CONTINUOUS STRUCTURAL FASCIA AT ALL EDGES. FASCIA SUPPORTS HIPS AND LAST RAFTER ON GABLED ROOFS. DO NOT SPLICE FASCIA WITHIN 12"-0" OF CORNERS.

- WOOD (CONTINUED):**
- PLYWOOD SHEATHING SHALL BE STRUCTURAL I CONFORMING TO U.S. COMMERCIAL STANDARD PS 1-74, EXCEPT AS NOTED OTHERWISE FOR SPECIAL SHEAR WALL AND DIAPHRAGM CONDITIONS. PROVIDE THE FOLLOWING MINIMUM ATTACHMENT AT ALL SUPPORTED EDGES.

1/2" PLYWOOD	8d AT 6" O.C.
3/4" PLYWOOD	10d AT 6" O.C.
5/8" PLYWOOD	10d AT 6" O.C.
 - ALL PREFABRICATED METAL CONNECTORS SHALL BE BY SIMPSON STRONG-TIE COMPANY.
 - ALL METAL CONNECTORS AND ANCHOR BOLTS SHALL BE HOT-DIPPED GALVANIZED.
- GLU-LAM BEAMS:**
- ALL GLUE LAMINATED BEAMS SHALL BE DOUGLAS FIR, 2,400 F SERIES, WITH EXTERIOR TYPE ADHESIVE.
 - ALL BEAMS SHALL BE INDUSTRIAL GRADE, UNLESS NOTED OTHERWISE.
 - ALL LAMINATIONS FOR "GLU-LAM" BEAMS SHALL BE 1-1/2" THICK AND OF WIDTH SHOWN OR NOTED.
 - ALL LAMINATIONS SHALL BE PARALLEL TO THE BOTTOM EDGE OF THE BEAM.
 - ALL GLUE LAMINATED BEAMS SHALL DISPLAY AN A.L.T.C. QUALITY STAMP CERTIFYING COMPLIANCE WITH VOLUNTARY PRODUCT STANDARDS PS-56.
 - ALL BEAMS SHALL HAVE STANDARD CAMBER BASED ON A RADIUS OF 1800 FEET UNLESS OTHERWISE NOTED ON PLAN.



J TYP. 4x BM TO BM CONNECTION
50-02 NOT TO SCALE

DATE	BY	REVISION	DATE

UNIVERSITY OF HAWAII
SCHOOL OF ARCHITECTURE

UNIVERSITY OF HAWAII MAUI COLLEGE
1915 YOUNG STREET, 2ND FLOOR
KAHULUI, HAWAII 96731

TYPICAL DETAILS

PROJECT NO. CC-11-5362
SLSH & ASSOC., INC.
1244A S. 2245B HOSPITALITY ACADEMY PENNSYLVANIA
KAHULUI, MAUI

DATE: 11-20-18
DRAWN BY: [Signature]
CHECKED BY: [Signature]

S0-02

01/17/2018 10:58 AM - 11/20/18 10:58 AM
 01/17/2018 10:58 AM - 11/20/18 10:58 AM

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL FIELD DIMENSIONS AND CONDITIONS PRIOR TO STARTING WORK. ALL DISCREPANCIES SHALL BE PROMPTLY REPORTED TO THE ENGINEER.
2. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR STRUCTURAL ENGINEER BEFORE PROCEEDING WITH ANY WORK SO INVOLVED.
3. ALL WORK SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE (IBC), LATEST EDITION, AS ADOPTED BY THE STATE OF HAWAII.
4. UNLESS SPECIFICALLY DETAILED OTHERWISE, CONTRACTOR SHALL FOLLOW TYPICAL DETAILS ON SHEETS SO-01 THROUGH SO-03.
5. WHERE CONDITIONS HAVE NOT BEEN SPECIFICALLY INDICATED BUT ARE SIMILAR TO DETAILS SHOWN ON SHEETS SO-01 THROUGH SO-03, MODIFY TYPICAL DETAILS TO MEET SPECIAL CONDITIONS.
6. STRUCTURAL DRAWINGS WHERE INDICATED HAVE BEEN DRAWN TO APPROXIMATE SCALE. UNLESS DRAWING SPECIFICALLY PROVIDES A DIMENSION, THE CONTRACTOR SHALL NOT USE OR SCALE STRUCTURAL DIAGRAM TO DETERMINE DIMENSIONS.
7. PRIOR TO ANY DEMOLITION AND DURING CONSTRUCTION, THE EXISTING STRUCTURES SHALL BE SHORED AS REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING. THE CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACING AND SHORING FOR ALL STRUCTURAL MEMBERS AS REQUIRED FOR STRUCTURAL STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION.

REINFORCING STEEL

1. UNLESS OTHERWISE INDICATED ON PLANS AND/OR SCHEDULE, ALL REINFORCING STEEL SHALL BE HIGH STRENGTH GRADE DEFORMED BARS WHICH SHALL CONFORM TO THE STANDARD SPECIFICATION OF ASTM A603 OR A601. ALL REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706. GRADE 75 BARS SHALL BE USED AS SPECIFIED ON PLANS.
2. LOW HYDROGEN WELDING RODS SHALL BE USED FOR ALL WELDING TO REINFORCING BARS.
3. REINFORCING SHALL BE SPLICED ONLY AS SHOWN OR NOTED. SPLICES AT OTHER LOCATIONS SHALL BE MADE AWAY FROM POINTS OF MAXIMUM STRESS AND APPROVED BY THE ENGINEER. SEE DETAILS FOR "LAP SPLICES".
4. BARS WELDED AS VERTICAL, HORIZONTAL AND DIAGONAL WALL REINFORCING AND COLUMN REINFORCING SHALL HAVE A MINIMUM SPLICE EQUAL TO 48 BAR DIAMETERS BUT NOT LESS THAN 24 INCHES.
5. WHERE MECHANICAL SPLICES ARE REQUIRED, SPLICES SHALL BE ABLE TO DEVELOP 125% OF THE YIELD STRENGTH OF THE BAR AND SHALL BE STAGGERED 3'-0" BETWEEN ADJACENT BARS.
6. PROVIDE DOUBLES IN FOOTINGS THE SAME SIZE AND NUMBER AND IN THE SAME LOCATION AS VERTICAL COLUMN REINFORCING. DOUBLES SHALL HAVE A MINIMUM PROTECTION EQUAL TO 48 BAR DIAMETERS BUT NOT LESS THAN 24 INCHES.
7. ALL REINFORCING STEEL, ANCHOR BOLTS AND OTHER INSERTS SHALL BE SECURED IN POSITION PRIOR TO PLACING CONCRETE.

MINIMUM CONCRETE COVER

A) MINIMUM COVER FOR CAST-IN-PLACE CONCRETE (NON-PRESTRESSED): THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:

	COVER (IN)
(1) CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
(2) FORMED CONCRETE SURFACES EXPOSED TO EARTH OR WEATHER:	
NO. 6 THROUGH NO. 18 BARS	2"
NO. 5 BAR, W31 OR W31 WIRE, AND SMALLER	1 1/2"
(3) CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND, SLABS, WALL JOISTS:	
NO. 14 AND NO. 18 BARS	1 1/2"
NO. 11 BAR AND SMALLER	1"

BEAMS, COLUMNS:

PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS,	1 1/2"
---	--------

C) CONCRETE COVER TOLERANCE SHALL BE AS FOLLOWS:

(1) FORMED SOFFITS OR MEMBERS 4" OR LESS IN THICKNESS,	± 1/4" - 1/2"
(2) MEMBERS 12" THICK OR LESS,	± 3/8"
(3) MEMBERS GREATER THAN 12" THICK,	± 1/2"

FOR ALL CASES, THE COVER SHALL NOT BE LESS THAN 1/2 OF WHAT IS INDICATED AND REQUIRED BY THE DRAWINGS AND SPECIFICATIONS.

D) WHEN THE IBC REQUIRES A THICKNESS OF COVER FOR FIRE PROTECTION GREATER THAN THE MINIMUM CONCRETE STATED ABOVE, SUCH GREATER THICKNESS SHALL BE USED.

CONCRETE BLOCK MASONRY

1. ALL MASONRY WORK SHALL CONFORM TO ACI 530-05.
2. CONCRETE BLOCK SHALL BE TYPE II HOLLOW LOAD BEARING UNITS.
3. MASONRY MORTAR SHALL BE TYPE "M" WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2,500 PSI CONFORMING TO ASTM C270.
4. MASONRY GROUT SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2,500 PSI.
5. ALL CELLS SHALL BE GROUTED SOLID. GROUT IN LIFTS NOT TO EXCEED 8'-0". UNLESS NOTED OTHERWISE, ALL WALLS SHALL BE CONSTRUCTED IN CONVENTIONAL RUNNING BOND.
6. AT CMU WALLS PROVIDE HORIZONTAL JOINT REINFORCING AT 16" O.C.
7. WIRE RESTRAINERS - CMU WALL REINFORCING SHALL BE SECURED AGAINST DISPLACEMENT BY GALVANIZED NO. 9 GAUGE WIRE POSITIONERS SPACED AT NOT MORE THAN 200 TIMES THE BAR DIAMETER.

CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO ACI 318-05.
2. SLEEVES EXCEEDING ONE-TWICE THE SLAB OR WALL THICKNESS SHALL NOT BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED. PIPE MAY PASS THROUGH STRUCTURAL CONCRETE IN SLEEVES BUT SHALL NOT BE EMBEDDED THEREIN.
3. SECURE ALL BOLTS, ANCHORS, INSERTS, ETC. AND VERIFY ALL GROOVES, SLOTS, AND FINISHES PRIOR TO PLACING CONCRETE.
4. VERIFY LOCATIONS AND DIMENSIONS OF SLOTS, ANCHORS, DUCTS, ETC. RELATING TO MECHANICAL, ELECTRICAL AND ARCHITECTURAL WORK BEFORE POURING CONCRETE.
5. ALL CONCRETE WORK SHALL BE THOROUGHLY CONSOLIDATED DURING PLACEMENT USING A MECHANICAL VIBRATOR BACKUP (EXTRA) VIBRATOR(S) SHALL BE PRESENT AT EACH FOR IN CASE OF FAILURE.
6. ALL CONCRETE SHALL BE CURED FOR A PERIOD OF NOT LESS THAN 7 DAYS.
7. LOCATIONS OF ALL CONSTRUCTION OR COLD JOINTS SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.
8. 48 HOURS PRIOR TO THE POURING OF ANY STRUCTURAL CONCRETE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO AN INSPECTION CAN BE MADE OF ALL FORMS AND REINFORCING STEEL.
9. THE 28-DAY COMPRESSIVE STRENGTH OF CONCRETE SHALL BE AS FOLLOWS:

	STRENGTH (PSI)	MAX. AGGREGATE	W/C RATIO
BUILDING SLAB ON GRADE, EXTERIOR WALKWAY AND LANDINGS	4,500	1/2"	0.45
FOOTINGS AND GRADE BEAMS	4,500	1/2"	0.45

EPOXY ANCHORS:

1. ADHESIVE SHALL BE AN INVERTABLE TWO-COMPONENT EPOXY SUCH AS SIMPSON SET-100. HLT 100 IS NOT TO BE USED OR APPROVED EQUAL.
2. INSTALLATION OF EPOXY ANCHORS SHALL FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS.
3. THREADED ANCHOR RODS SHALL BE HOT DIP GALVANIZED AND CONFORM TO ASTM A-193, GRADE B; THREADED ANCHOR RODS SHALL BE UNC FULLY THREADED, CLEAN, STRAIGHT AND FREE OF INDENTATIONS OR OTHER DEFECTS ALONG THEIR LENGTH.
4. HOLES SHALL BE DRILLED WITH A CARBIDE-TIPPED DRILL BIT. IF HOLES ARE CORE DRILLED WITH DIAMOND-CORE BITS, EPOXY ADHESIVE SELECTED FOR USE BY THE CONTRACTOR SHALL BE SUITABLE FOR THIS APPLICATION WITH NO REDUCTION IN PUBLISHED ALLOWABLE SHEAR AND TENSION LOADS.
5. DIAMETER OF HOLES SHALL BE EQUAL TO THREADED ROD DIAMETER + 1/8".
6. ANCHORS SHALL BE INSTALLED IN CONCRETE/CMU THAT HAS REACHED ITS FULL DESIGN COMPRESSIVE STRENGTH.
7. INSTALLATION OF EPOXY ANCHORS SHALL BE PERFORMED UNDER THE SUPERVISION OF A SPECIAL INSPECTOR IN ACCORDANCE WITH SECTIONS 1704.4 AND 1704.1.3 OF THE IBC. THE SPECIAL INSPECTOR MUST BE ON THE JOBSITE TO VERIFY ANCHOR TYPE, ANCHOR DIMENSIONS, CONCRETE TYPE, CONCRETE/CMU COMPRESSIVE STRENGTH, HOLE DIMENSIONS, HOLE CLEANING PROCEDURES, ANCHOR SPACING, GAGE DISTANCES, ANCHOR EMBEDMENT, AND TIGHTENING TORQUE.

DESIGN LOADS

1. SLOPED ROOF LIVE LOAD: 20 PSF
2. FLOOR LIVE LOADS:
 - RESIDENTIAL: 40 PSF
 - STAIRS: 100 PSF
3. WIND 105 MPH PER IBC, EXPOSURE C, I=1.0, K=1.6
4. SEISMIC, PER IBC, S_e=0.58, S₁=0.252, I_e=1.0, SITE CLASS D
5. ALL COMPONENTS TO BUILDING SHALL BE SECURED PROPERLY TO RESIST LATERAL SEISMIC FORCES IN ACCORDANCE TO THE IBC. DESIGN OF ATTACHMENTS FOR COMPONENTS SHALL BE THE RESPONSIBILITY OF SUB-CONTRACTOR INSTALLING SUCH COMPONENT

SPECIAL INSPECTION REQUIREMENTS LIST BELOW

- SPECIAL INSPECTION REQUIREMENTS:
1. THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR FOR WORK REQUIRING SPECIAL INSPECTION PER CHAPTER 17 OF THE 2006 IBC AS ADOPTED BY THE COUNTY OF MAUI.
 2. SPECIAL INSPECTION FIRM SHALL HAVE AT LEAST 6 YEARS OF EXPERIENCE AND SHALL BE CERTIFIED WITHIN THE BUILDING DEPARTMENT JURISDICTION OF CONSTRUCTION (IF SUCH CERTIFICATION EXISTS).
 3. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE SPECIAL INSPECTOR TO ENSURE THAT ALL ELEMENTS REQUIRING SPECIAL INSPECTION ARE INSPECTED.
 4. SPECIAL INSPECTION IS REQUIRED FOR THE FOLLOWING TYPES OF WORK:
 - A. CONCRETE: OBSERVE THE TAKING OF TEST SPECIMENS AND THE PLACING OF CONCRETE FOR ALL ELEMENTS.
 - B. REINFORCING STEEL: OBSERVE THE PLACEMENT OF ALL REINFORCING. THE SPECIAL INSPECTOR NEED NOT BE PRESENT CONTINUOUSLY DURING THE PLACING OF REINFORCING STEEL, PROVIDED HE HAS INSPECTED FOR CONFORMANCE WITH THE APPROVED PLANS PRIOR TO THE CLOSING OF FORMS FOR THE DELIVERY OF CONCRETE TO THE JOBSITE.
 - C. ANCHOR BOLTS FOR STEEL COLUMNS AND POST
 - D. EXPANSION BOLTS AND EXPANDED ANCHORS/REBAR
 - E. CONTINUOUS LOAD PATH AND SHEARWALL HOLD DOWNS

CONCRETE REPAIR/REHABILITATION

PROJECT CONDITIONS:

1. DO NOT APPLY MATERIAL IF IT IS RAINING OR IF RAIN IS IMMINENT.
2. PREPARATIONS SHOULD BE TAKEN TO AVOID DAMAGE TO ANY SURFACE NEAR THE WORK ZONE DUE TO SPILLAGE.
3. LEAVE FINISHED WORK IN NEAT, CLEAN CONDITION WITH NO EVIDENCE OF SPILL OVER ONTO ADJACENT SURFACES.

PRODUCTS:

1. ANTI-CORROSION PROTECTIVE COATING (CORROSION INHIBITOR): TWO-COMPONENT, ACRYLIC RESIN EPOXY SYSTEM FORMULATED TO INHIBIT THE CORROSION OF REINFORCING STEEL AND TO ACT AS A BONDING AGENT. SUCH AS: SKATOP 115 EPOXY MASTER EMACO OR APPROVED EQUAL.
2. FAST SETTING, HIGH STRENGTH PATCHING MORTAR (POLYMER MODIFIED MORTAR) FOR HORIZONTAL APPLICATIONS: ACRYLIC POLYMER-MODIFIED, PORTLAND CEMENT BASED, TRIM-L-GRADE PATCHING MORTAR. CONFORM TO REQUIREMENTS OF ASTM C 884, SUCH AS SKATOP 123 PLUS, MASTER EMACO R310 OR T430, OR APPROVED EQUAL.
3. FAST SETTING, HIGH STRENGTH PATCHING MORTAR (POLYMER MODIFIED MORTAR) FOR VERTICAL APPLICATIONS: TWO-COMPONENT (OR SINGLE COMPONENT), ACRYLIC POLYMER-MODIFIED, PORTLAND CEMENT BASED, NON-SAG PATCHING MORTAR. CONFORM TO REQUIREMENTS OF ASTM C 884, SUCH AS SKATOP 123 PLUS, MASTER EMACO T430, OR APPROVED EQUAL.

PREPARATION - GENERAL:

1. AD 503R, AD 503Z, AD 503Z FOR EPOXY RESIN SYSTEMS. MIX THE PATCHING MATERIALS WITH OR WITHOUT FILLERS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. ALL APPLICATIONS OF THE MIXED MATERIALS SHALL BE PERFORMED WITHIN THE WORKING LIFE OR POT LIFE OF THE PATCHING SYSTEM. UNMIXED MIXED MATERIALS WHICH HAVE REACHED THE END OF THE WORKING OR POT LIFE SHALL BE REMOVED FROM THE JOB SITE AT THE CONTRACTOR'S EXPENSE. FIELD MIXING AND SIZE OF BATCH SHALL BE DETERMINED BY THE CONTRACTOR. PATCHING SYSTEMS SHALL BE PROVIDED AS INDICATED AND REQUIRED BY SPECIFICATIONS.
2. CLEANING: PREPARE ALL SURFACES REQUIRING PATCHING SO THAT THEY WILL BE STRUCTURALLY SOUND, CLEAN, AND FREE OF DIRT, LOOSE CONCRETE, LOOSE MORTAR PARTICLES, PAINT, FLUX, PROTECTIVE COATINGS, EFFLORESCENCE, LANTANE, AND OTHER MATTER DETRIMENTAL TO PROPER ADHESION.
3. CHECK AREAS AROUND CRACKS, BUSTERS, OLD PATCHES, AND ROOF SPLITS BY TAPPING SURFACE WITH A HAMMER. OTHER BLUNT INSTRUMENTS OR USING A CHAIN SOUND FOR LOOSE OR HOLLOW AREAS AND MARK AREAS FOR REMOVAL OF UNSOUND CONCRETE OR MORTAR.
4. ALL AREAS WHERE CRACKS EXIST AND THE CONCRETE IS NOT IN A STATE OF CONCRETE DELAMINATION AS DETERMINED BY SOUNDING WITH A HAMMER OR CHAIN SHALL BE CLEANED OF ALL DIRT, LOOSE MORTAR PARTICLES, PAINT, FLUX, LANTANE, AND ALL OTHER MATTER DETRIMENTAL TO PROPER ADHESION.
5. REMOVE UNSOUND MATERIALS AND FILMS BY MEANS OF CHIPPING, SAW CUTTING, BUSH HAMMERING, NEEDLE CHIPPING, SAND BLASTING, OR OTHER SUITABLE METHOD.
6. WASH SURFACES FROM WORK SURFACES WITH CLEAN WATER. REMOVE ANY REMAINING EFFLORESCENCE BY ADD WASH, MURATIC OR SIMILAR, AND RINSE WITH CLEAN WATER.

PREPARATION - REINFORCEMENT:

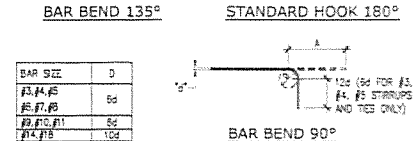
1. MECHANICALLY REMOVE ALL RUST AND LOOSE MATERIAL FROM ALL EXPOSED RUSTED REINFORCING STEEL TO SOUND METAL BY POWER BRUSHING, NEEDLE SCALER, OR SAND BLASTING.
2. APPLY ANTI-CORROSION PROTECTIVE COATING ACCORDING TO MANUFACTURER'S PRINTED INSTRUCTIONS TO ALL EXPOSED AND CLEANED REINFORCING BARS AND CONCRETE SURFACES TO RECEIVE PATCH.
3. USING BRUSH OR ROLLER, SCRUB PRIMER BONDING AGENT ONTO WORK SURFACES WHILE ALSO COMPLETELY COATING EXPOSED REINFORCING STEEL AND CONCRETE.
4. DO NOT RESURFACE OVER HARDENED PRIMER BONDING AGENT. IF PRIMER BONDING AGENT BECOMES TACKY, FREE, MECHANICALLY ROUGHEN SURFACE AND REPRIME.

SPALL REPAIR (INCLUDES CRACKED/CLOSED SPALL CORNER OF PRECASTAL):

1. SAW CUT OR ROUT OUT SPALLS TO A MINIMUM WIDTH AND DEPTH OF 1/2 INCH.
2. REFER TO GENERAL PREPARATION INSTRUCTIONS ABOVE.
3. IF REINFORCING BARS IS EXPOSED, REFER TO REINFORCING PREPARATION INSTRUCTIONS ABOVE.
4. MECHANICALLY SCOUR WORK SURFACES TO OBTAIN ADEQUATE FRACTURE WITHIN A MINIMUM SURFACE PROFILE OF PLUS OR MINUS 1/8 INCH.
5. APPLY PRIMER BONDING AGENT PER ABOVE INSTRUCTIONS AND MANUFACTURER'S PRINTED INSTRUCTIONS.
6. WHALE PRIMER BONDING AGENT IS STILL TACKY, MIX AND APPLY PREPARED PATCHING MORTAR TO PREPARED SPALL FOLLOWING MANUFACTURER'S PRINTED INSTRUCTIONS.
7. PLACE PATCHING MATERIAL IN THIN LAYERS AS RECOMMENDED BY THE MANUFACTURER. EACH INTERMEDIATE LAYER SHALL BE CROSS-CORRELATED FOR MECHANICAL BONDING. ALL LAYERS FOR EACH PATCH SHALL BE PLACED ON THE SAME DAY. USE HAND TAMPERS TO CONSOLIDATE THE PATCHING MATERIAL. LEVEL EACH LAYER AND SCREED THE FINAL SURFACE. REMOVE EXCESS PATCHING MATERIAL ON ADJACENT SURFACES BEFORE IT HARDENS. DO NOT FEATHER OUT ONTO ADJACENT SURFACES. UPON COMPLETION OF FINISHING OPERATIONS, APPLY EVAPORATION REDUCER AND THEN APPLY CURING COMPOUND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. PROTECT PATCHES WITH WATERTIGHT FORMS AND/OR COVERS UNTIL THE PATCHES ARE PROPERLY CURED.
8. USE PROPER PATCHING MATERIAL DEPENDING ON IF THE LOCATION OF THE SPALL IS HORIZONTAL, VERTICAL OR OVERHEAD.
9. MINIMUM DEPTH OF SPALL PATCH OVER REINFORCING SHALL BE 1 INCH.
10. DO NOT FEATHER EDGES OF SPALL PATCH. SAW CUT OR ROUT EDGE OF REPAIR TO OBTAIN A 1/2 INCH MINIMUM VERTICAL EDGE TO REPAIRED AREA.
11. FINISHED PATCHED SPALL SHOULD MATCH EXISTING SURFACES IN TEXTURE AND APPEARANCE.
12. AT EXPOSED AREAS, BRUSH THE REPAIRED PATCH FLUSH WITH SURROUNDING SURFACES. PATCH TEXTURE TO MATCH EXISTING.

ABBREVIATIONS

A.B.	ANCHOR BOLT	ISE	HIGH STRENGTH BOLT
ARCH.	ARCHITECTURAL OR ARCHITECT	INT.	INTERIOR
B.	BALANCE	JT.	JOINT
BAL.	BOTTOM	KSF	KIPS PER SQUARE FOOT
BS.	BEAM	LONG.	LONGITUDINAL
B.T.B.	BASALTIC TERTIARY BARRIER	MAX.	MAXIMUM
C.I.P.	CAST IN PLACE	M.B.	MACHING BOLT
C.I.P.	CONSTRUCTION OR CONTROL JOINT	METH.	MECHANICAL
C.I.P.	COMPLETE JOINT PENETRATION WELD	MIN.	MINIMUM
CL.	CENTER LINE	N.T.S.	NOT TO SCALE
CLR.	CLEAR	NO.	NUMBER
CMU	CONCRETE MASONRY UNIT	O.C.	ON CENTER
COL.	COLUMN	OPP.	OPPOSITE
CONC.	CONCRETE	PLATE	PLATE
CONT.	CONTINUOUS	PSI	POUNDS PER SQUARE INCH
CONN.	CONNECTION	R.F.	REINFORCING PER SQUARE FOOT
DB	REBAR DIAMETER	R.F.	REINFORCEMENT
DB.	DIAMETER	REQ'D	REQUIRED
DIAG.	DIAGONAL	SHT.	SHEET
DNES	DOWN	SP.	SPACE OR SPACES
DET.	DETAIL	SIM.	SIMILAR
EA.	EACH	SQ.	SQUARE
E.A.	EXPANSION JOINT	STD.	STANDARD
E.F.	EACH FACE	TOP & BOTTOM	TOP AND BOTTOM
E.L.	ELEVATOR	T. & B.	THICK
ELEV.	ELEVATION	T.O.C.	TOP OF CONCRETE
EQU.	EQUAL	T.O.F.	TOP OF FOOTING
EXP.	EXPANSION	T.O.S.	TOP OF SLAB
EXT.	EXTERIOR	T.O.W.	TOP OF WALL
E.W.	EACH WAY	TRNS.	TRANSVERSE
F.P.	FULL PENETRATION	TYPICAL	TYPICAL
FT.	FOOT OF FEET	VERT.	VERTICAL
FTG.	FOOTING	W/	WITH
GA.	GAGE	W/O	WITHOUT
GALV.	GALVANIZED	W.I.	WALL JOINT
HCC OR H.D.G.	HOT DIPPED GALVANIZED	W.W.F.	WELDED WIRE FABRIC
HORIZ.	HORIZONTAL	W.W.M.	WELDED WIRE MESH



BAR SIZE	MINIMUM EXTENSION LENGTHS "A"			
	STANDARD HOOKS	90° HOOKS	90° HOOKS	135° HOOKS
#3	5"	7"	7"	5"
#4	5"	7"	7"	5"
#5	5"	11"	11"	5"
#6	11"	13"	14"	12"
#7	12"	15"	16"	14"
#8	14"	17"	19"	15"

TYPICAL REBAR BENDING

SO-00 NOT TO SCALE

REVISION	DATE	DESCRIPTION	BY	CHECKED

UNIVERSITY OF HAWAII
PROFESSIONAL ENGINEER
No. 7138-2
HAWAII, U.S.A.

UNIVERSITY OF HAWAII
1955 YOUNG STREET, 2ND FLOOR
HONOLULU, HAWAII 96815

GENERAL NOTES AND TYPICAL DETAILS

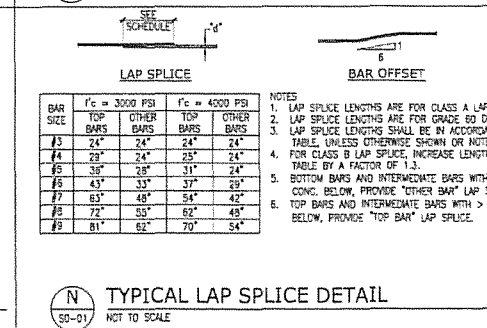
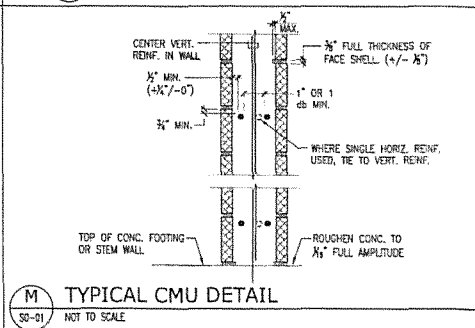
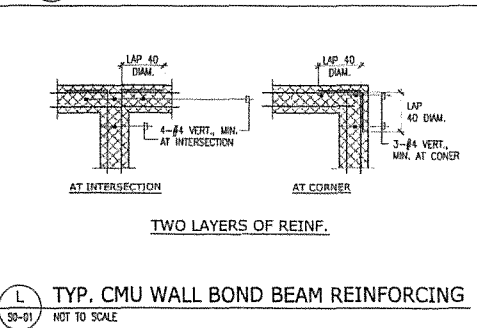
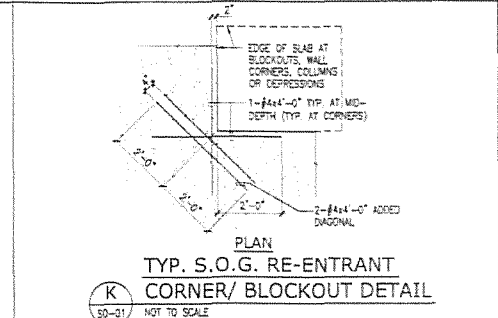
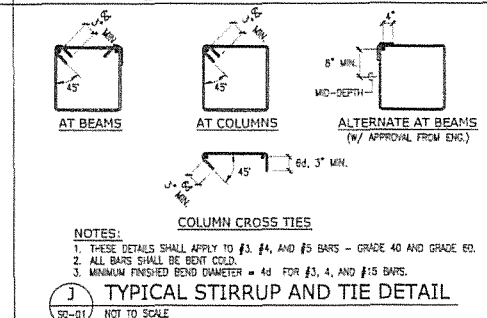
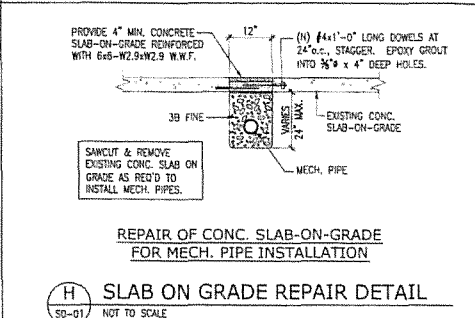
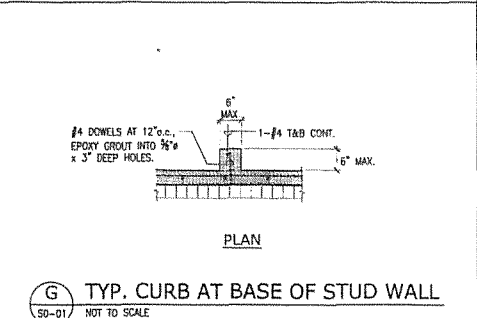
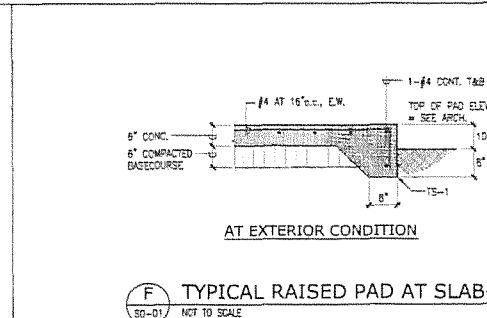
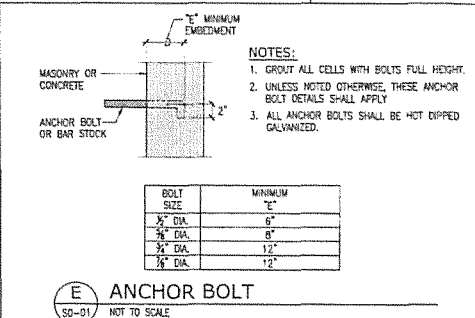
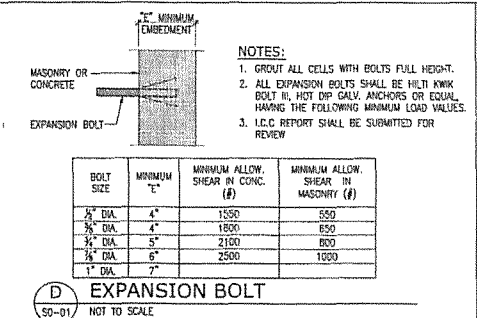
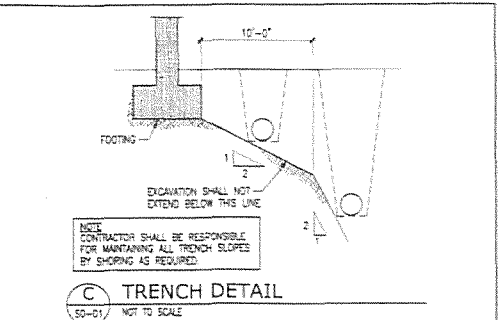
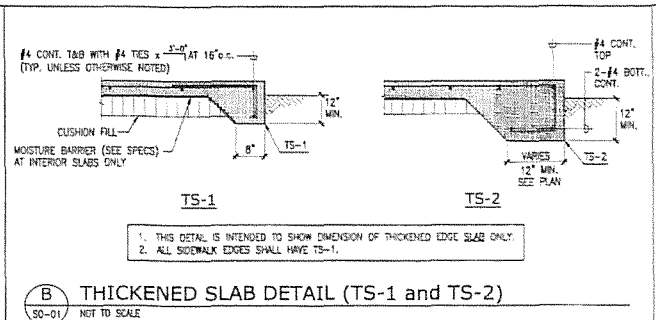
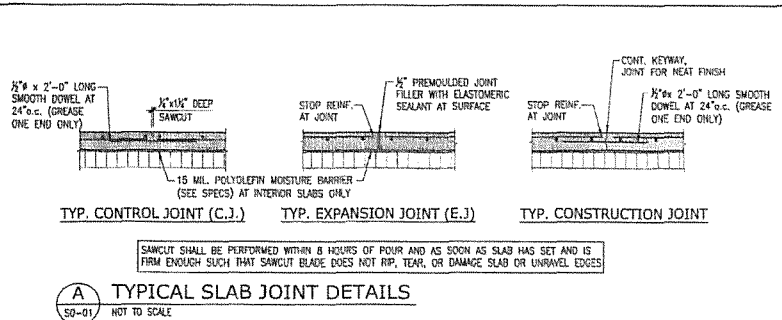
PROJECT NO. 05-11-5382

1955 YOUNG STREET, 2ND FLOOR
HONOLULU, HAWAII 96815

DATE: 8-20-2015

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

SO-00



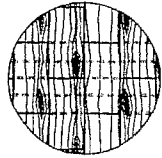
UNIVERSITY OF HAWAII
 STATE OF HAWAII
 UNIVERSITY OF HAWAII MAUI COLLEGE
 194 WEAVER STREET, 2ND FLOOR
 HONOLULU, HAWAII 96713

PROJECT NO. 00-11-5362
 SHEET NO. 50-01

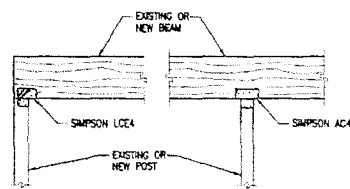
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DESIGNED BY: [Signature]
 CHECKED BY: [Signature]
 DATE: 1-26-2013

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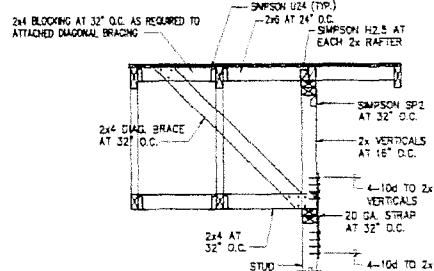


- NOTE**
- LAY ALL PLYWOOD WITH FACE GRAIN ACROSS SUPPORTS.
 - STAGGER ALL PANELS.
 - UNLESS NOTED OTHERWISE, FOR SPECIAL SHEARWALL OR DIAPHRAGM LOCATIONS PROVIDE THE FOLLOWING MINIMUM NAILING:
 - 1/2" PLYWOOD - 8d AT 6" O.C. ALL FRAMING.
 - 5/8" PLYWOOD - 10d AT 6" O.C. ALL FRAMING.
 - 3/4" PLYWOOD - 10d AT 6" O.C. ALL FRAMING.
 - PROVIDE SOLID BLOCKING AT ALL RIDGE, VALLEYS AND HIPS.

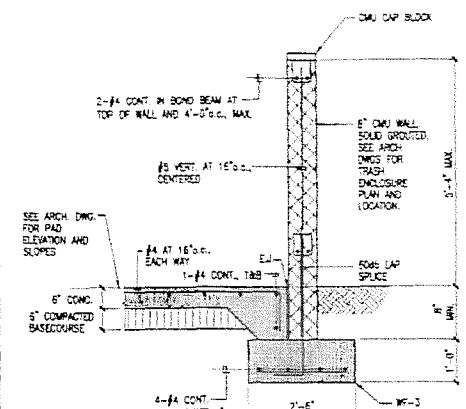


A TYP. PLYWOOD LAYOUT
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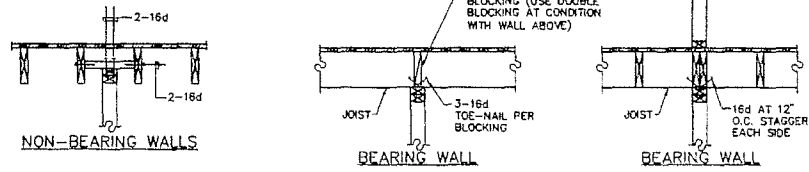
B TYP. BEAM TO POST CONNECTION
50-02 NOT TO SCALE



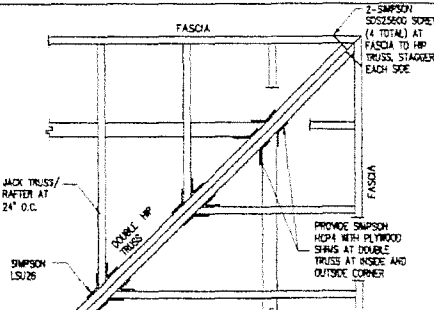
C OUT-OF-PLANE WALL BRACING
50-02 NOT TO SCALE



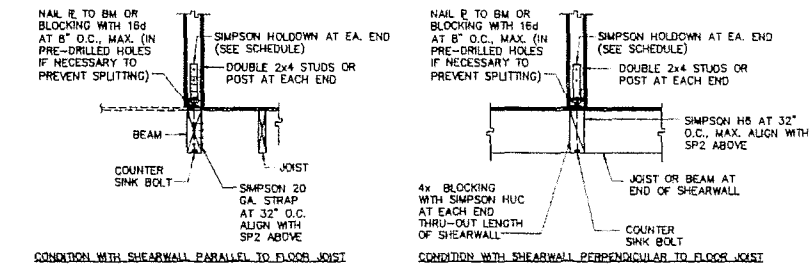
F SECTION AT TRASH ENCLOSURE
50-02 SCALE: 3/4" = 1'-0"



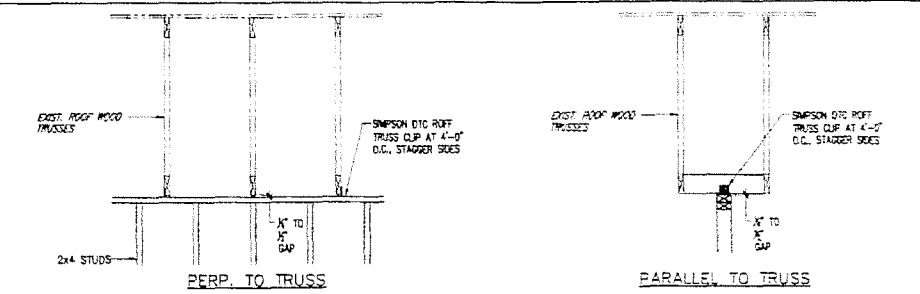
D TYP. STUDWALL (NON-SHEARWALL) TO FLOOR CONNECTION
50-02 NOT TO SCALE



E TYPICAL HIP CORNER
50-02 NOT TO SCALE



G DETAIL OF SHEARWALL END POST/DBL STD & NAILING REQ'D AT 2ND FLOOR
50-02 NOT TO SCALE



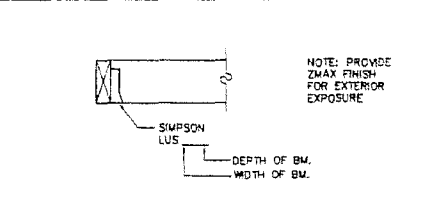
H TYP. NON-BEARING STUDWALL TO ROOF CONNECTION
50-02 NOT TO SCALE

- WOOD:**
- ALL WOOD STRUCTURAL MEMBERS SHALL BE DOUGLAS FIR AND SHALL MEET THE FOLLOWING MINIMUM GRADES AS ESTABLISHED BY THE WEST COAST LUMBER INSPECTION BUREAU:

BEAMS	NO. 1
JOISTS/WATERS/TRUSSES	NO. 1
POSTS AND STUDS	NO. 1
BLOCKING, PLATES, LEDGERS ETC.	NO. 2
 - PROVIDE 30# FELT BELOW ALL PLATES RESTING ON CONCRETE OR MASONRY.
 - PROVIDE STANDARD WASHERS AT ALL BOLTS AND NUTS BEARING ON WOOD.
 - HOLES THRU PLATES AND STUDS SHALL BE CENTERED IN THE MEMBER AND SHALL NOT EXCEED 1/3 THE PLATE WIDTH.
 - MINIMUM NAILING SHALL COMPLY WITH TABLE 2304.9.1 OF THE INTERNATIONAL BUILDING CODE.
 - ALL PREFABRICATED METAL HANGERS AND CONNECTIONS NOTED IN THE DRAWINGS SHALL BE "SIMPSON STRONG-TIE" CONNECTIONS WITH 2-MAX COATING OR APPROVED EQUALS.
 - ALL WOOD STRUCTURAL MEMBERS SHALL BE TREATED AGAINST ROT AND INSECT DAMAGE. SEE SPECIFICATIONS.
 - PROVIDE 2X CONTINUOUS STRUCTURAL FASCIA AT ALL EAVES. FASCIA SUPPORTS HIPS AND LAST RAFTER ON GABLED ROOFS. DO NOT SPLICE FASCIA WITHIN 12'-0" OF CORNERS.

- WOOD (CONTINUED):**
- PLYWOOD SHEATHING SHALL BE STRUCTURAL I CONFORMING TO U.S. COMMERCIAL STANDARD PS 1-74, EXCEPT AS NOTED OTHERWISE FOR SPECIAL SHEAR WALL AND DIAPHRAGM CONDITIONS, PROVIDE THE FOLLOWING MINIMUM ATTACHMENT AT ALL SUPPORTED EDGES.

1/2" PLYWOOD	2d AT 6" O.C.
3/4" PLYWOOD	10d AT 6" O.C.
5/8" PLYWOOD	10d AT 6" O.C.
 - ALL PREFABRICATED METAL CONNECTIONS SHALL BE BY SIMPSON STRONG-TIE COMPANY.
 - ALL METAL CONNECTIONS AND ANCHOR BOLTS SHALL BE HOT-DIPPED GALVANIZED.
- GLU-LAM BEAMS:**
- ALL GLUE LAMINATED BEAMS SHALL BE DOUGLAS FIR, 2,400 F SERIES, WITH EXTERIOR TYPE ADHESIVE.
 - ALL BEAMS SHALL BE INDUSTRIAL GRADE UNLESS NOTED OTHERWISE.
 - ALL LAMINATIONS FOR "GLU-LAM" BEAMS SHALL BE 1-1/2" THICK AND OF WIDTH SHOWN OR NOTED.
 - ALL LAMINATIONS SHALL BE PARALLEL TO THE BOTTOM EDGE OF THE BEAM.
 - ALL GLUE LAMINATED BEAMS SHALL DISPLAY AN A.L.T.C. QUALITY STAMP CERTIFYING COMPLIANCE WITH VOLUNTARY PRODUCT STANDARDS PS-55.
 - ALL BEAMS SHALL HAVE STANDARD CAMBER BASED ON A RADIUS OF 1800 FEET UNLESS OTHERWISE NOTED ON PLAN.

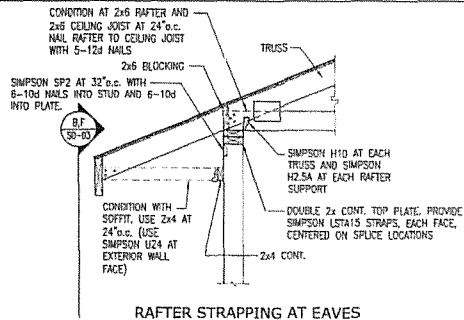


J TYP. 4x BM TO BM CONNECTION
50-02 NOT TO SCALE

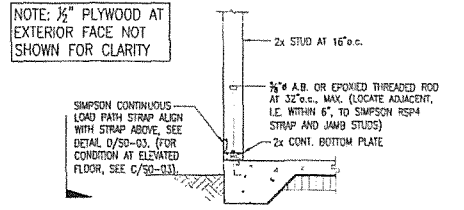
REVISION	DATE	DESCRIPTION	BY	DATE

		UNIVERSITY OF HAWAII STATE OF HAWAII	
UNIVERSITY OF HAWAII MAUI COLLEGE 1100 HOLE STREET 2ND FLOOR HONOLULU, HAWAII 96813		PROJECT NO. 05-11-5262	
2240A & 2240B HOSPITALITY ACADEMY RENOVATION KAHALEU, MAUI		SHELL & ASSOC., INC. 1100 HOLE STREET 2ND FLOOR HONOLULU, HAWAII 96813	
TYPICAL DETAILS		SHEET NO. S0-02	
DRAWN BY R.A.		CHECKED BY R.A.	
DATE 1-20-2015		SCALE AS SHOWN	

ALL DIMENSIONS UNLESS OTHERWISE NOTED
 ALL MATERIALS UNLESS OTHERWISE NOTED
 ALL FINISHES UNLESS OTHERWISE NOTED



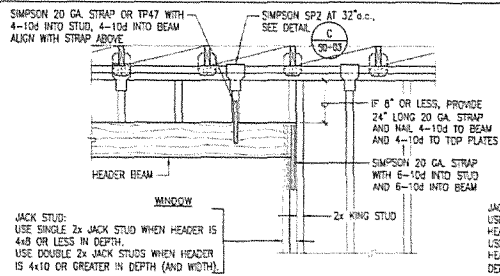
RAFTER STRAPPING AT EAVES



STRAPPING AT FOUNDATION

SECTION OF EXTERIOR (AND INTERIOR) WALLS SUPPORTING TRUSSES OR RAFTERS

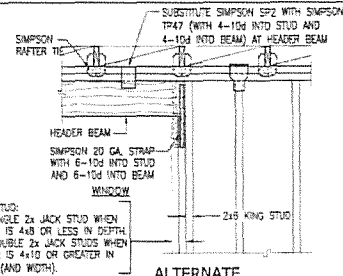
50-01



CONDITION WITH HEADER BEAM BELOW TOP PLATES

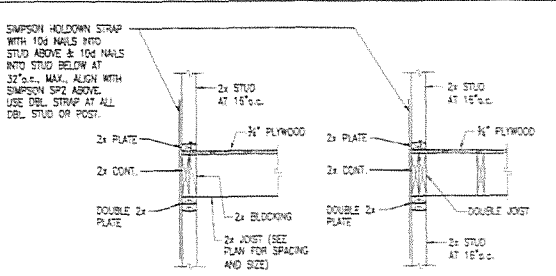
DETAIL OF HEADER BENEATH ROOF

50-01 SCALE: 3/4" = 1'-0"



ALTERNATE CONDITION WITH HEADER BEAM DIRECTLY BELOW TOP PLATES

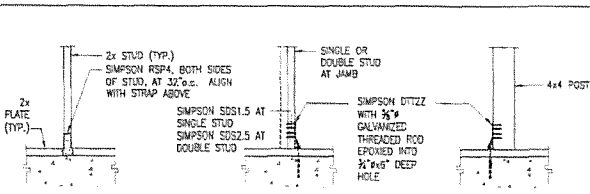
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PERPENDICULAR TO JOIST

PARALLEL TO JOIST

TYP. SECTION AT EXTERIOR WALL



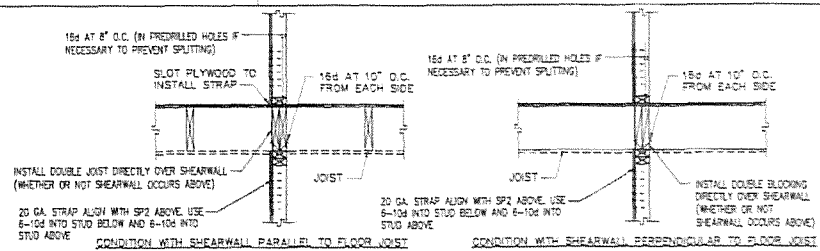
AT SINGLE STUD (AWAY FROM JAMB)

AT JAMB

AT 4x4 POST

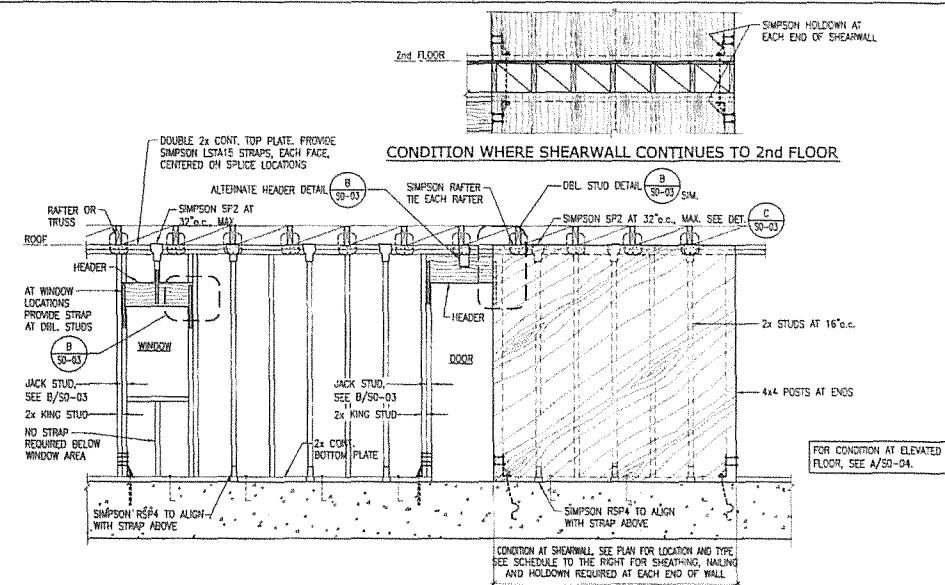
DETAIL OF SILL PLATE STRAPPING

50-01 SCALE: 3/4" = 1'-0"



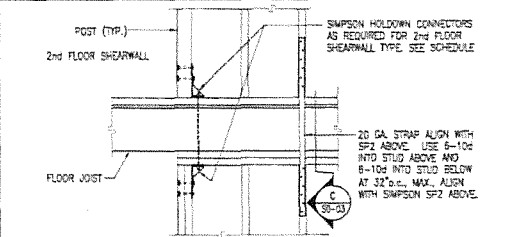
DETAIL OF PLATE NAILING REQUIREMENT AT 2nd FLOOR OF TWO STORY INTERIOR SHEARWALL

50-01 SCALE: 3/4" = 1'-0"

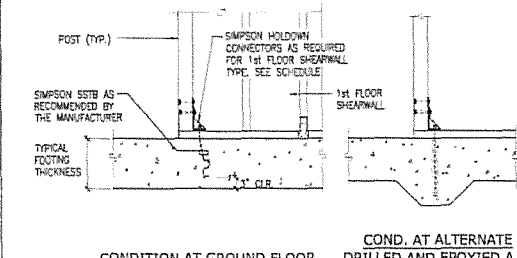


ELEVATION OF EXTERIOR AND INTERIOR WALLS SUPPORTING TRUSSES OR RAFTERS

50-01



CONDITION AT UPPER LEVEL WHERE 2nd FLOOR SHEARWALL ALIGNS WITH 1st FLOOR SHEARWALL



CONDITION AT GROUND FLOOR

COND. AT ALTERNATE DRILLED AND EPOXYED A.B.

HOLDOWN DETAIL

50-01 NOT TO SCALE

ANCHOR BOLT SCHEDULE FOR HOLDOWN		
TYPE OF HOLDOWN	ANCHOR BOLT	ALTERNATE DRILLED AND EPOXYED ANCHOR BOLTS USING SIMPSON SET SYSTEM
SIMPSON HOLD-S022.5	S5TB14	3/8" THREADED ROD WITH 10" MIN. EMBEDMENT
SIMPSON HOLD-S023.0	S5TB16	3/8" THREADED ROD WITH 10" MIN. EMBEDMENT
SIMPSON HOLD-S023.5	S5TB24	N/A

PROJECT NO.	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
		UNIVERSITY OF HAWAII STATE OF HAWAII		
UNIVERSITY OF HAWAII MAUI COLLEGE 101 HONOLULU STREET, 2ND FLOOR HONOLULU, HAWAII 96810				
2248A & 2248B HOSPITALITY ACADEMY RENOVATION KAHULUI, MAUI				
TYPICAL DETAILS				
SLSH & ASSOC., INC. 101 HONOLULU STREET, 2ND FLOOR HONOLULU, HAWAII 96810			PROJECT NO.	50-03
DESIGNED BY: SLSH			CHECKED BY:	
DRAWN BY: SLSH			DATE:	1-30-2010
APPROVED BY: SLSH			SCALE: AS SHOWN	

NEW SHEARWALL SCHEDULE

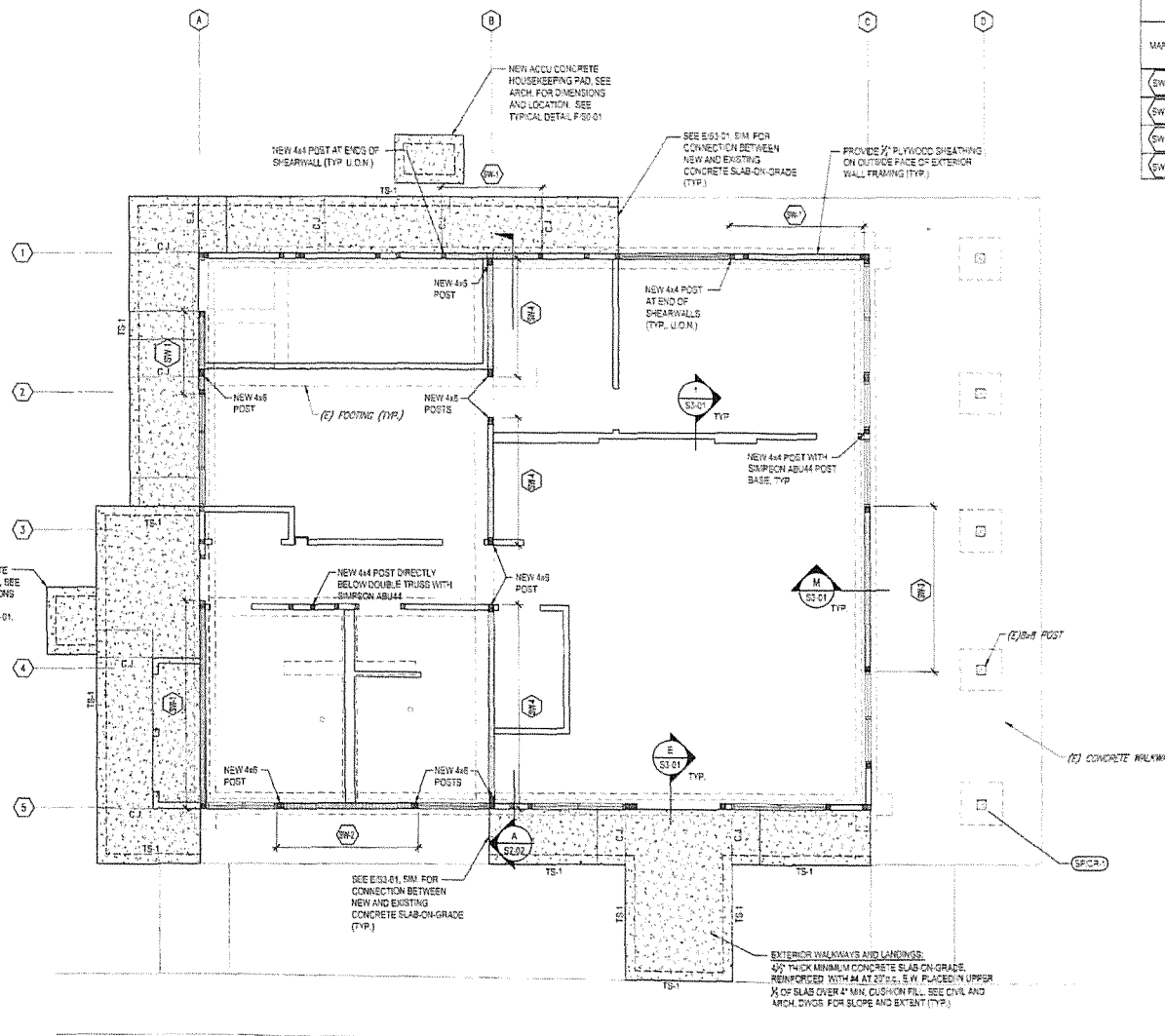
MARK	WALL SHEATHING	FASTENERS (NOTE 2)	2x BOTTOM PLATE CONNECTION TO CONCRETE (NOTE 4)	HOLD DOWN
(SW-1)	1/2" MIN. STRUCTURAL I PLYWOOD, ONE FACE	5d COMMON NAILS AT 6" O.C.	1/2" SPOKED GALV. THREADED ROD AT 32" O.C.	SIMPSON LHT19
(SW-2)	1/2" MIN. STRUCTURAL I PLYWOOD, ONE FACE	5d COMMON NAILS AT 6" O.C.	1/2" SPOKED GALV. THREADED ROD AT 32" O.C.	SIMPSON HOUB-S032.5
(SW-3)	1/2" MIN. STRUCTURAL I PLYWOOD, ONE FACE	5d COMMON NAILS AT 4" O.C.	1/2" SPOKED GALV. THREADED ROD AT 16" O.C.	SIMPSON HOUB-S032.5
(SW-4)	1/2" GYPSUM BOARD, BLOCKED BOTH FACES	5d COOLER NAILS AT 6" O.C.	1/2" SPOKED GALV. THREADED ROD AT 32" O.C.	SIMPSON HOUB-S032.5

NOTES/LEGEND:

- SW-1 TYPE
- 4" / 12" DESIGNATES NAIL SPACING
 - INDICATES NAILS AT 12" O.C. AT INTERIOR OF PANELS
 - INDICATES NAILS AT 4" O.C. ALONG PANEL EDGES
- PLYWOOD SHALL BE 15/32" STRUCTURAL I SHEATHING (A.P.L.); PLYWOOD SHEATHING FASTENERS SHALL BE AS NOTED IN SCHEDULE. ALL PANEL EDGES MUST BE FULLY BLOCKED UNLESS OTHERWISE NOTED IN SCHEDULE. NON-STRUCTURAL GYPSUM BOARD APPLIED TO OPPOSITE FACE MUST BE FULLY BLOCKED.
- SEE SPOKED ANCHOR NOTES ON SHEET 10-00.

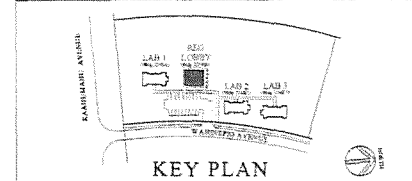
CONCRETE REPAIR NOTES:

- SEE CONCRETE REHABILITATION NOTES ON SHEET 10-00 FOR SPALL/CRACK REPAIR AND SPECIFICATION SECTION 03100 CONCRETE REPAIR.
- (SPCR) REPAIR CLOSED BRACK/CRACKED CORNER OF CONCRETE PEDESTAL QUANTITY 1 X 1.9'



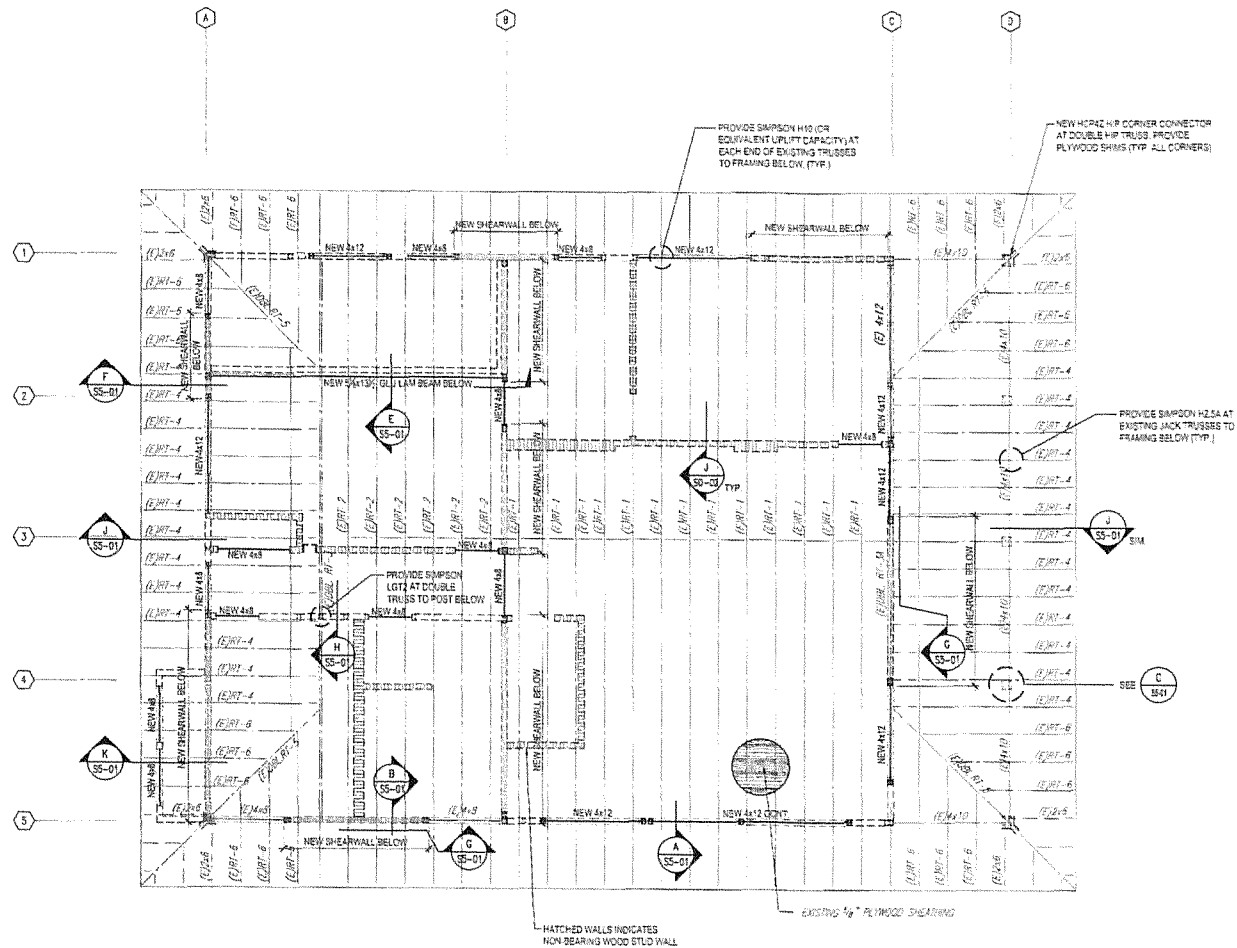
REGISTRATION LOBBY - FOUNDATION PLAN

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



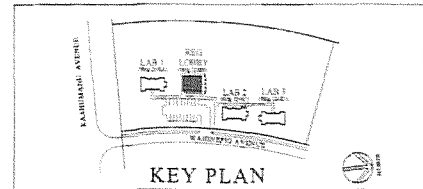
	UNIVERSITY OF HAWAII DIST. OF HAWAII UNIVERSITY OF HAWAII MAUI COLLEGE DR. PROJECT NUMBER CC-11-5362 2248A & 2248B HOSPITALITY ACADEMY RENOVATION KAHULUI, MAUI	SHEET NO. CC-11-5362	DATE 11-12-2013
This work was prepared by me or under my supervision and I am a duly Licensed Professional Engineer. The work was completed on the date of the project and I am under my observation. I am not responsible for any errors or omissions in this drawing.	REGISTERED LOBBY FOUNDATION PLAN	DRAWN BY BPH	CHECKED BY JLV
PROJECT NO. CC-11-5362			S1-01

11/28/13 11:15 AM PLT 11/28/13 11:15 AM PLT 11/28/13 11:15 AM PLT



REGISTRATION LOBBY - ROOF FRAMING PLAN

SCALE 1/4"=1'-0"

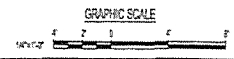


REGION NO.	SHEET NO.	DESCRIPTION	SHEET OF	DATE

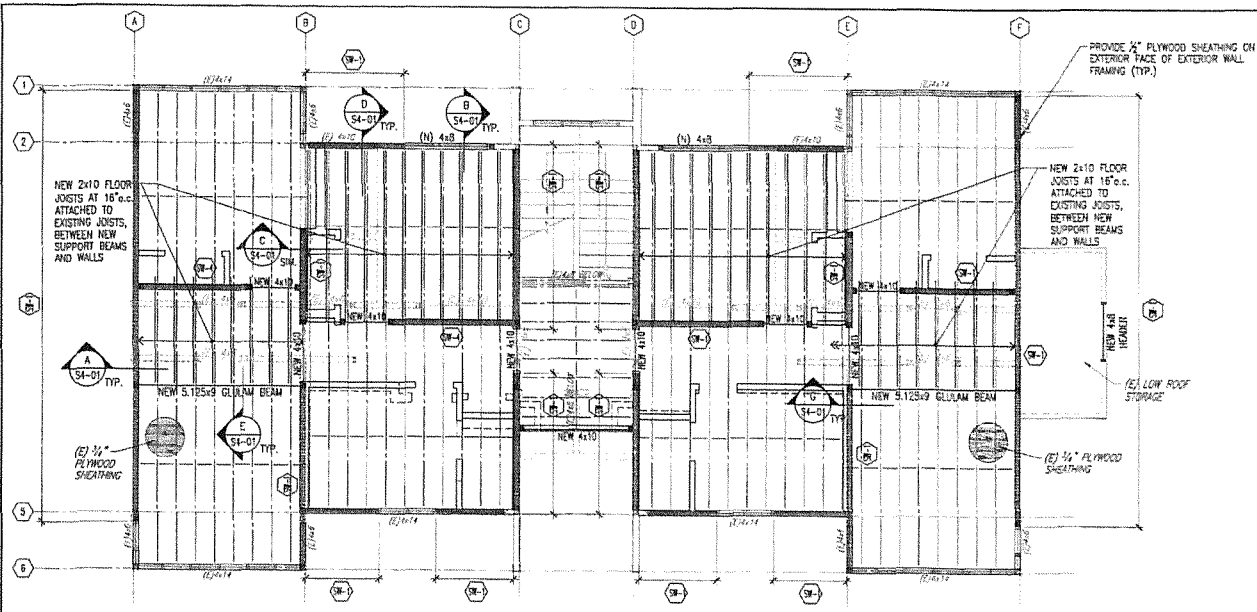
UNIVERSITY OF HAWAII
STATE OF HAWAII
UNIVERSITY OF HAWAII MAUI COLLEGE
1918 YOUNG STREET, 2nd FLOOR
HONOLULU, HAWAII 96818

REGISTRATION LOBBY - ROOF FRAMING PLAN

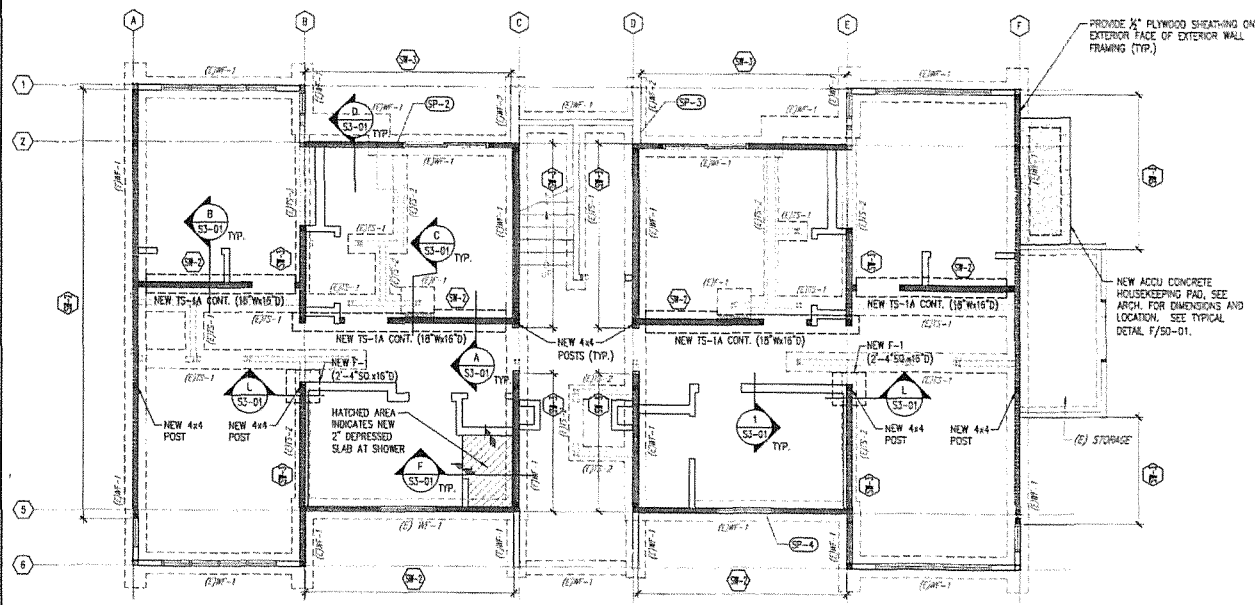
This work was prepared by me or under my supervision and construction of the project will be under my supervision. (Signature Date of the License 4/20/17)		SLEH & ASSOC. INC. 1918 YOUNG STREET, 2nd FLOOR HONOLULU, HAWAII 96818	PROJECT NO. 02-11-5362	SHEET NO. S1-02
DRAWN BY SLEH	CHECKED BY SLEH	DATE 8-20-2016		



SLEH & ASSOC. INC. 1918 YOUNG STREET, 2ND FLOOR, HONOLULU, HI 96818
 TEL: (808) 551-1111 FAX: (808) 551-1112 WWW.SLEH.COM



LAB 1 - SECOND FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"

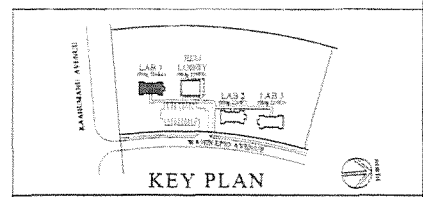


LAB 1 - FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

NEW SHEARWALL SCHEDULE				
MARK	WALL SHEATHING	FASTENERS (NOTE 2)	2x4 BOTTOM PLATE CONNECTION TO FLOOR BELOW	HOLD DOWN
SW-1	3/4" MIN. STRUCTURAL I PLYWOOD, ONE FACE	8d COMMON NAILS AT 6/12	16d COMMON NAILS AT 16" O.C. (IN ADDITION TO EXISTING NAILS FOR 8" EFFECTIVE SPACING)	SIMPSON LETA38
SW-2	3/4" MIN. STRUCTURAL I PLYWOOD, ONE FACE	8d COMMON NAILS AT 5/12	3/4" EPOXYED GALV. THREADED AT 32" O.C. (NOTE 4)	SIMPSON H042-S022.5
SW-3	3/4" MIN. STRUCTURAL I PLYWOOD, ONE FACE	8d COMMON NAILS AT 4/12	3/4" EPOXYED GALV. THREADED AT 32" O.C. (NOTE 4)	SIMPSON H044-S022.5
SW-4	3/4" MIN. STRUCTURAL I PLYWOOD, ONE FACE	8d COMMON NAILS AT 6/12	16d COMMON NAILS AT 8" O.C.	SIMPSON LETA38

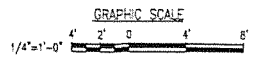
- NOTES/LEGEND:**
- SW-1 TYPE
 - 4/12 DESIGNATES NAIL SPACING
 - INDICATES NAILS AT 12" o.c. AT INTERIOR OF PANELS.
 - INDICATES NAILS AT 4" o.c. ALONG PANEL EDGES.
 - PLYWOOD SHALL BE 15/32 STRUCTURAL I SHEATHING (4-PLY). PLYWOOD SHEATHING FASTENERS SHALL BE AS NOTED IN SCHEDULE. ALL PANEL EDGES MUST BE FULLY BLOCKED, UNLESS OTHERWISE NOTED IN SCHEDULE. NON-STRUCTURAL GYPSUM BOARD APPLIED TO OPPOSITE FACE MUST BE FULLY BLOCKED.
 - SEE EPOXYED ANCHOR NOTES ON SHEET 50-00.

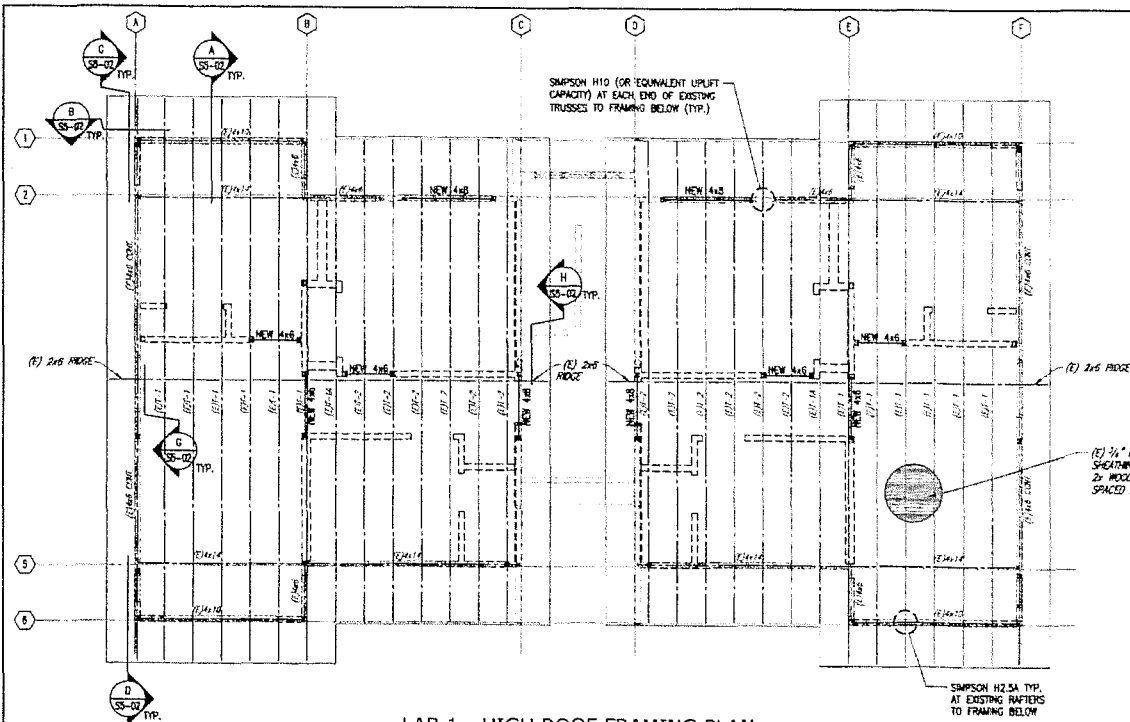
- CONCRETE REPAIR NOTES:**
- SEE CONCRETE REHABILITATION NOTES ON 50-00 FOR SPALL/CRACK REPAIR AND SPECIFICATION SECTION 03700 - CONCRETE REPAIR.
 - SP-2: REPAIR SPALL AT EDGE OF SLAB. QUANTITY = 2 SF.
 - SP-3: REPAIR SPALL AT EDGE OF SLAB. QUANTITY = 2 SF.
 - SP-4: REPAIR SPALL AT EDGE OF SLAB. QUANTITY = 6 SF.



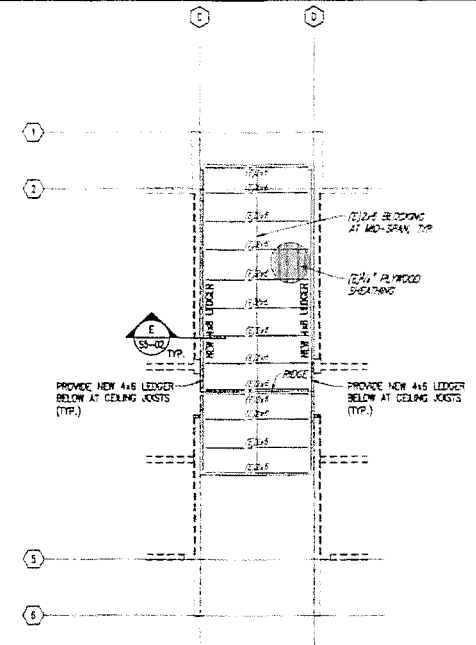
REVISION	BY	DESCRIPTION	DATE	DATE

		UNIVERSITY OF HAWAII STATE OF HAWAII UNIVERSITY OF HAWAII MAUI COLLEGE 106 YONGE STREET, 2ND FLOOR KAPULANUI, HAWAII 96714	
This work was prepared by me or under my supervision and completion of this project will be under my supervision.		LAB 1 FOUNDATION AND SECOND FLOOR FRAMING PLANS	
DRAWN BY: BDN CHECKED BY: HL DATE: 8-30-2014	PROJECT NO.: 02-11-0362	SHEET NO.: S1-03	TOTAL SHEETS: 122





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



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

KEY PLAN

REVISION NO.	DATE	DESCRIPTION	BY	CHK

STEVEN T. HINGRAY
LICENSED PROFESSIONAL ENGINEER
No. 7190-1
STATE OF HAWAII

UNIVERSITY OF HAWAII
STATE OF HAWAII

UNIVERSITY OF HAWAII MAUI COLLEGE
151 PROJECT NUMBER: 00-11-0302
22-ASA & 22-ASB HOSPITALITY ACADEMY RENOVATION
KAHULUI, MAUI

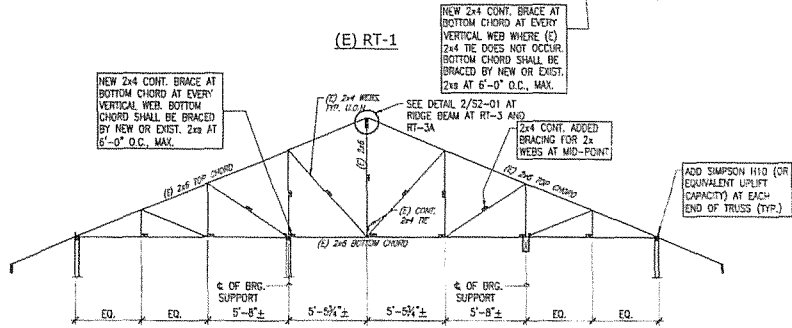
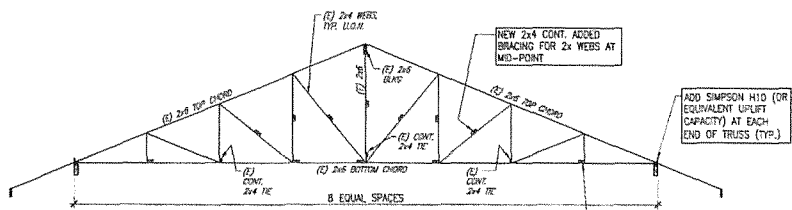
LAB 1
ROOF FRAMING PLANS

DESIGNED BY SLSH & ASSOC., INC.	CHECKED BY C. H. 1-1-1302	DATE 1-30-2013
DRAWN BY SLSH & ASSOC., INC.	PROJECT NO. 1-30-2013	SHEET NO. S1-04

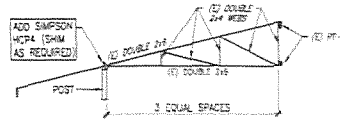
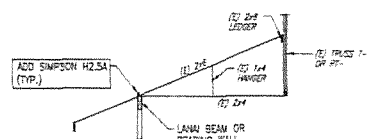
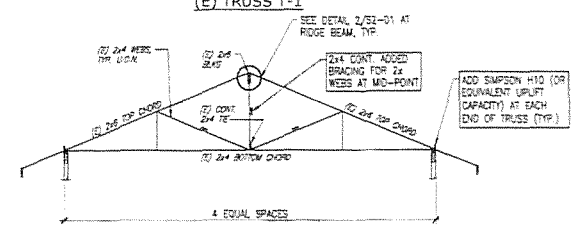
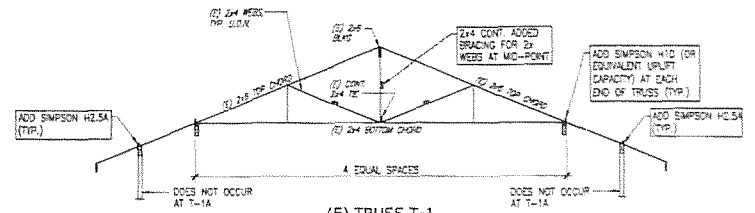
GRAPHIC SCALE

1/4" = 1'-0"

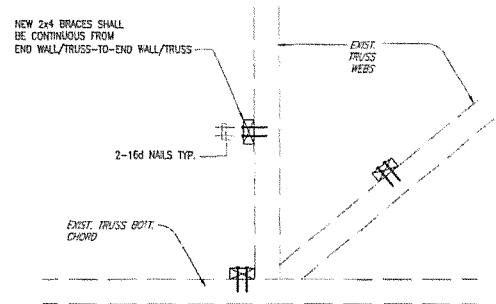
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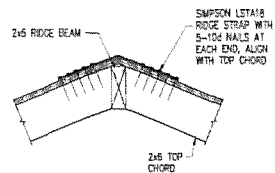
(E) RT-3 & RT-3A, SIMILAR



A EXISTING TRUSS ELEVATIONS
S2-01 NOT TO SCALE



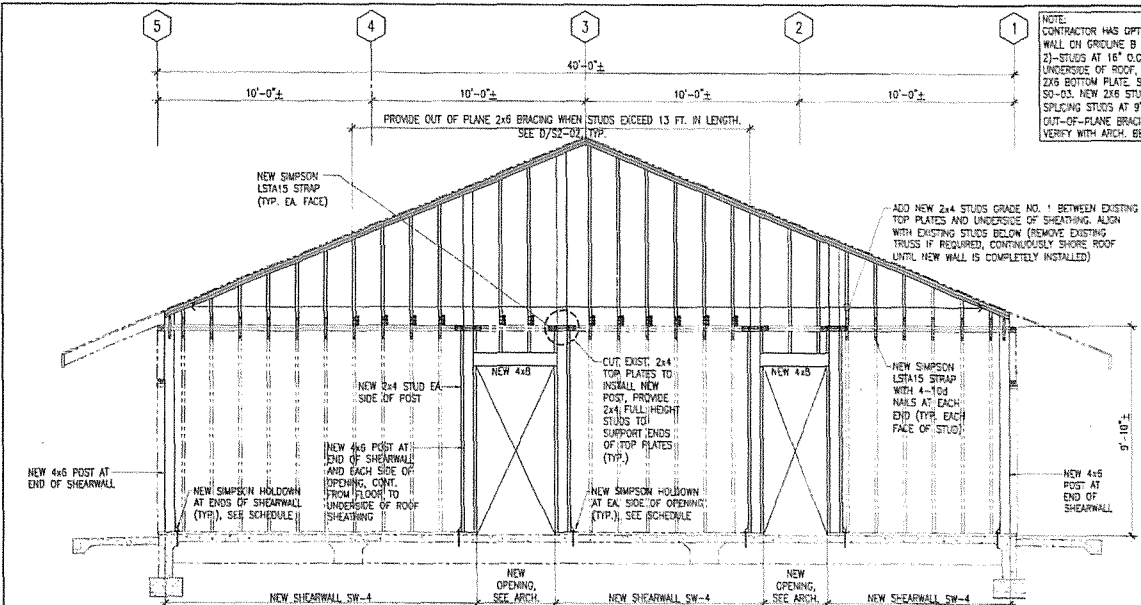
1 NEW 2x BRACING DETAIL
S2-01 NOT TO SCALE



2 RIDGE BEAM DETAIL
S2-01 NOT TO SCALE

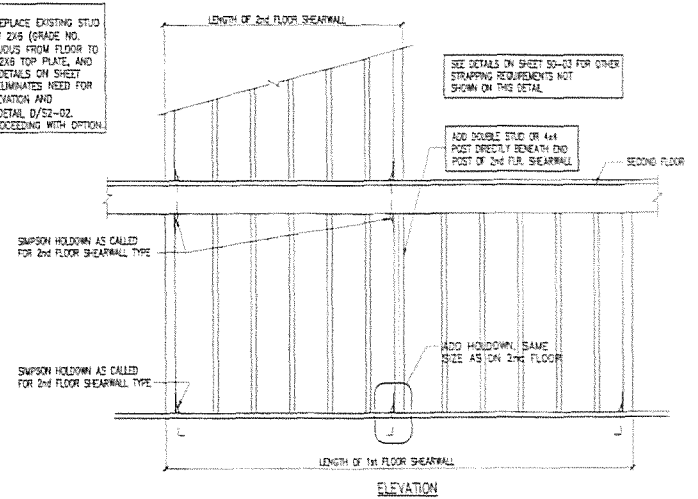
REVISION NO.	DATE	DESCRIPTION	SHT. OF	SHEET
UNIVERSITY OF HAWAII STATE OF HAWAII				
UNIVERSITY OF HAWAII MAUI COLLEGE UN PROJECT NUMBER 02-11-5362 2245A & 2245B HOSPITALITY ACADEMY RENOVATION KAHOLE, MAUI				
TRUSS ELEVATIONS				
		SLSB & ASSOC. P.C. 1826 YOUNG STREET, 2ND FLOOR HONOLULU, HAWAII 96813	PROJECT NO. 02-11-5362	SHEET S2-01
DRAWN BY DATE	CHECKED BY DATE	DATE 1-25-2013	TOTAL SHEETS 11	

No. 10 10/2011 132748 1/25/2011 10:00:00 AM 2011/10/25/11:00:00 AM 2011/10/25/11:00:00 AM

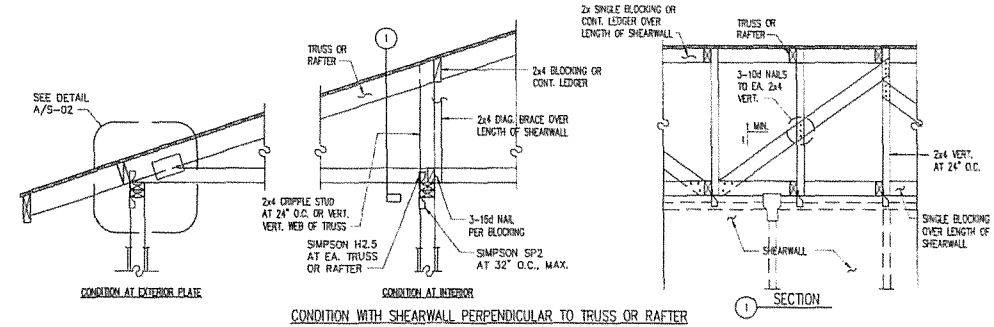


A WALL ELEVATION ON GRIDLINE B AT REGISTRATION LOBBY
 S2-02 SCALE: 3/8" = 1'-0"

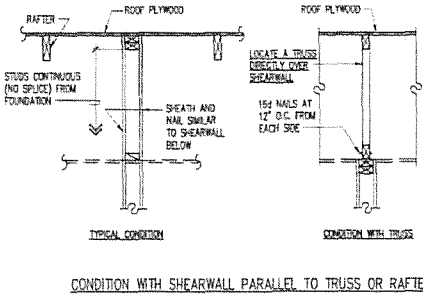
NOTE:
 CONTRACTOR HAS OPTION TO REPLACE EXISTING STUD WALL ON GRIDLINE B WITH NEW 2x6 (GRADE NO. 2)-STUDS AT 16" O.C. CONTINUOUS FROM FLOOR TO UNDERSIDE OF ROOF. DOUBLE 2x6 TOP PLATE, AND 2x6 BOTTOM PLATE. SEE TYP. DETAILS ON SHEET S0-03. NEW 2x6 STUD WALL ELIMINATES NEED FOR SPLICING STUDS AT 9'-10" ELEVATION AND OUT-OF-PLANE BRACING PER DETAIL D/S2-02. VERIFY WITH ARCH. BEFORE PROCEEDING WITH OPTION.



B CONDITION WHEN END(S) OF 2ND FLOOR AND 1ST FLOOR SHEARWALL DO NOT ALIGN
 S2-02 NOT TO SCALE



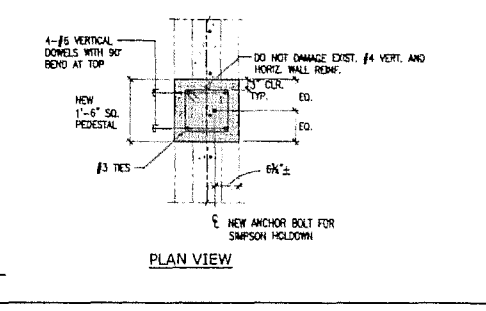
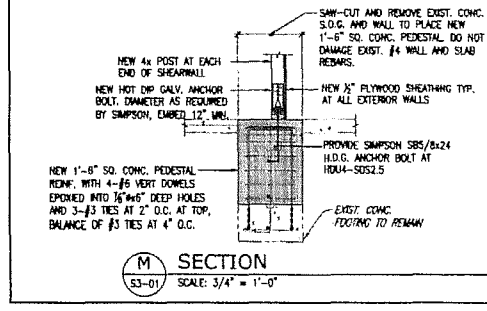
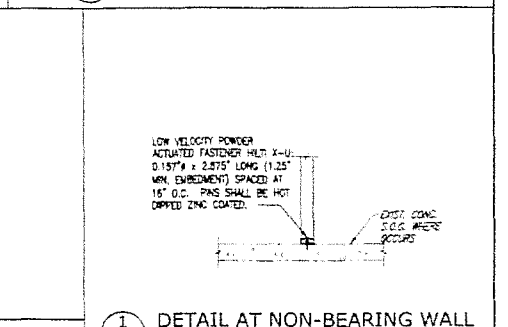
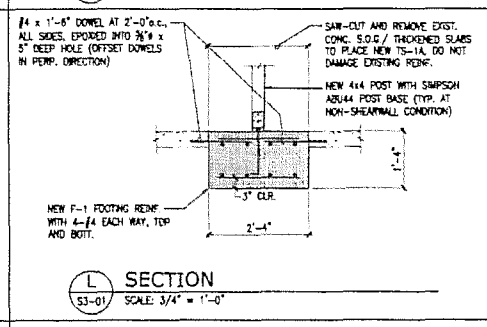
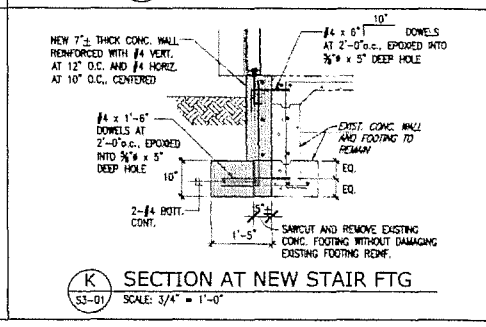
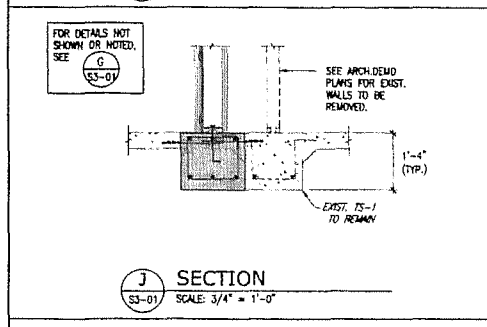
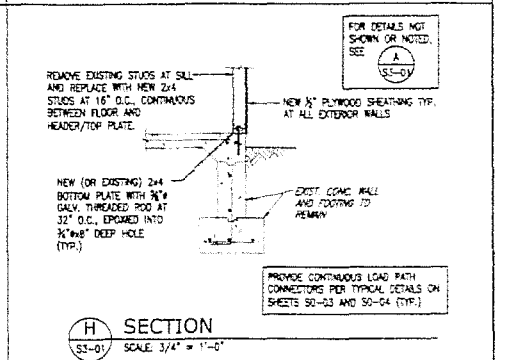
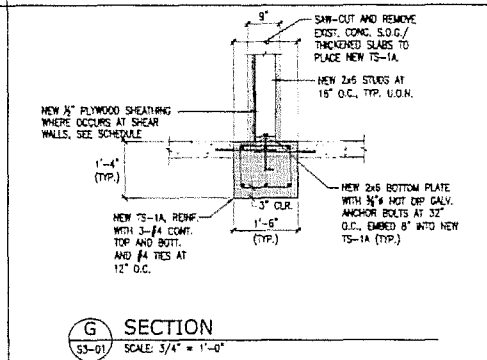
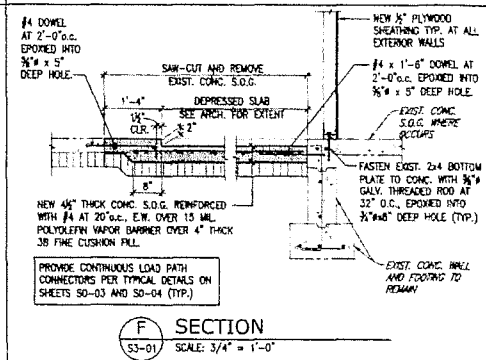
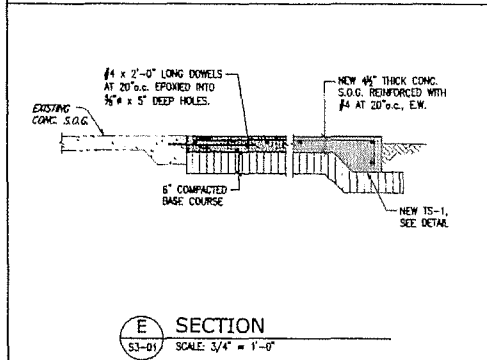
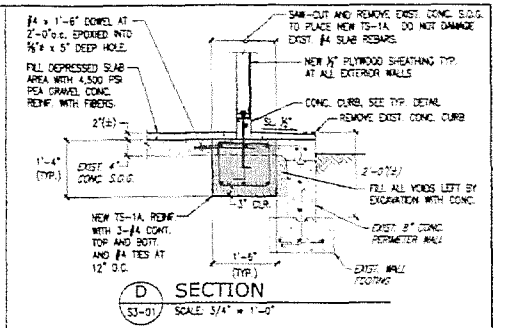
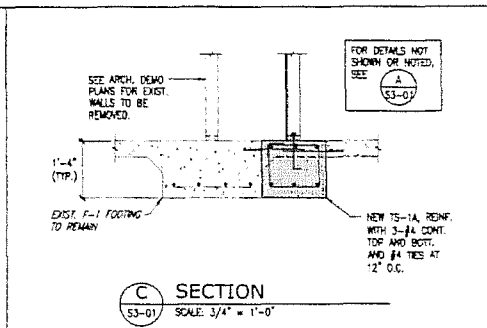
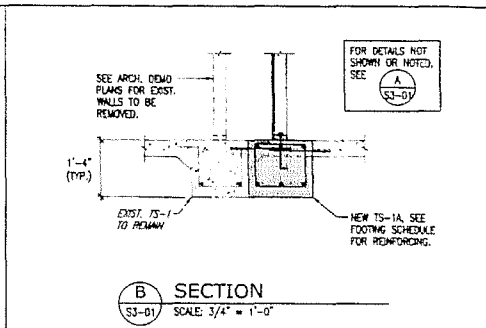
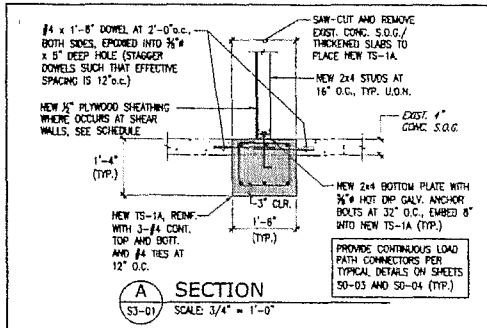
C TYPICAL SHEARWALL CONNECTIONS TO ROOF
 S2-02 SCALE: 3/4" = 1'-0"



D OUT-OF-PLANE BRACING
 S2-02 SCALE: 3/4" = 1'-0"

REVISION NO.	DATE	DESCRIPTION	BY	CHECK
UNIVERSITY OF HAWAII SCHOOL OF ARCHITECTURE				
UNIVERSITY OF HAWAII COLLEGE OF HONOLULU 2242A & 2242B HOSPITALITY ACADEMY RENOVATION KAPALUA, MAUI				
WALL ELEVATION AT REGISTRATION LOBBY				
DESIGNED BY SLSH & ASSOC., INC. 1795 YOUNG STREET, 2ND FLOOR HONOLULU, HAWAII 96813		PROJECT NO. CS-11-0362	SHEET S2-02	
DRAWN BY EPA	CHECKED BY ML	DATE 11-20-2013	NO. OF SHEETS 12 OF 122 SHEETS	

MADE IN THE U.S.A. 11/23/13
 ©2013 UNIVERSITY OF HAWAII COLLEGE OF ARCHITECTURE



NO.	DATE	DESCRIPTION	BY	CHK.

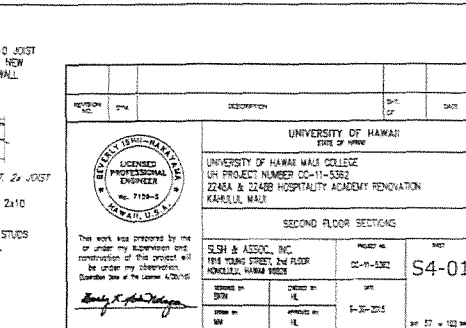
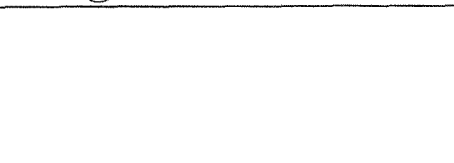
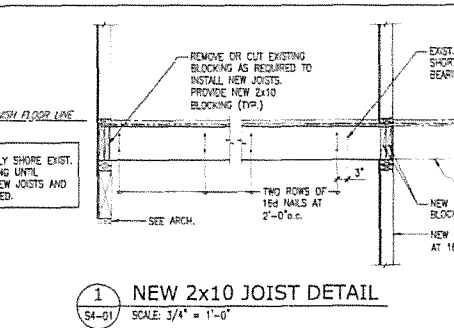
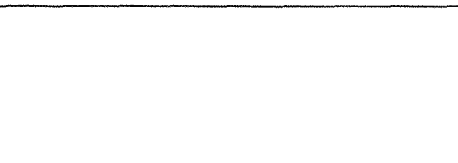
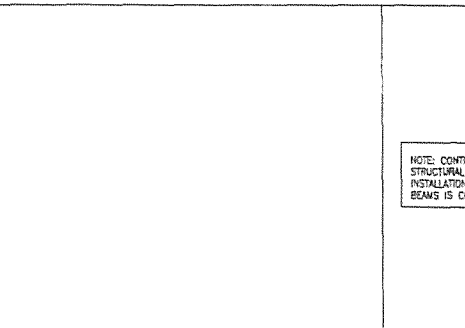
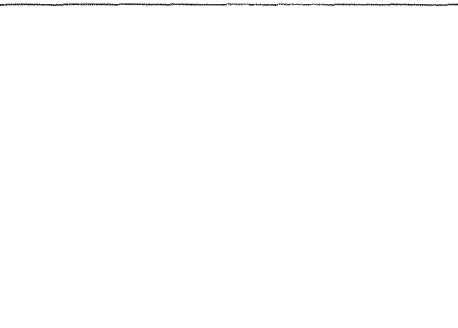
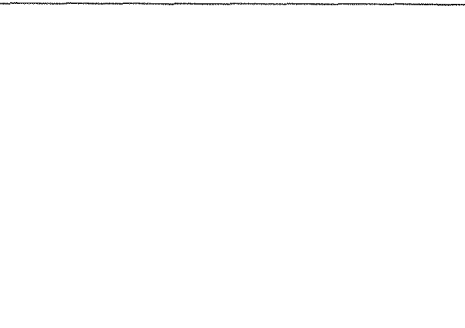
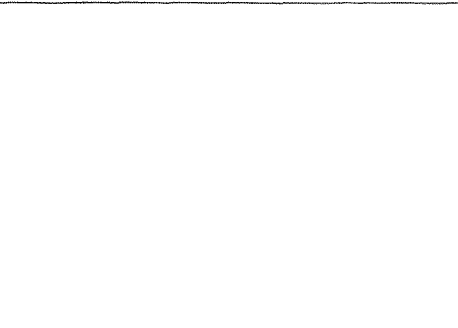
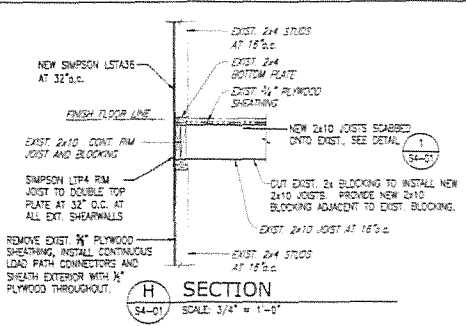
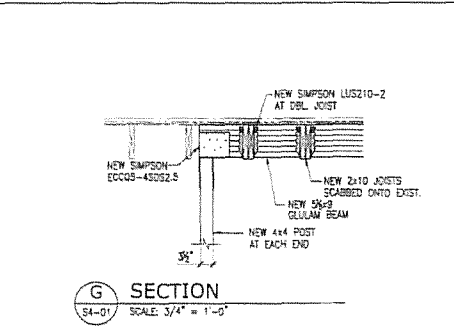
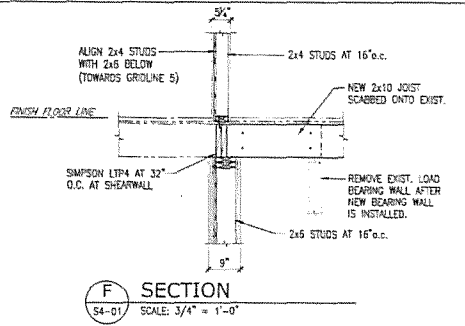
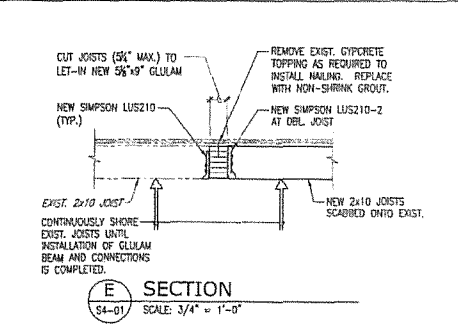
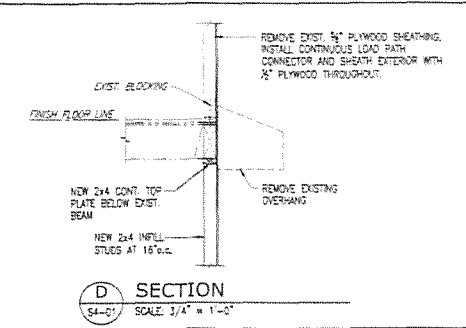
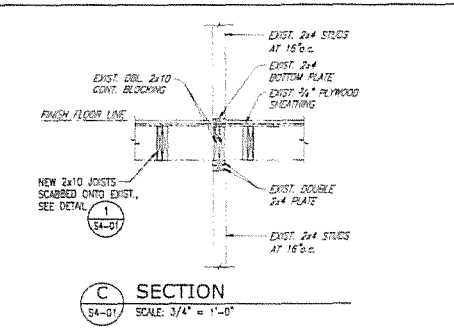
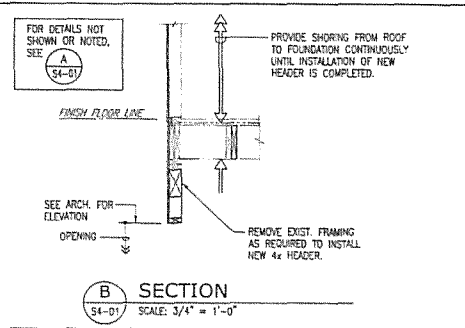
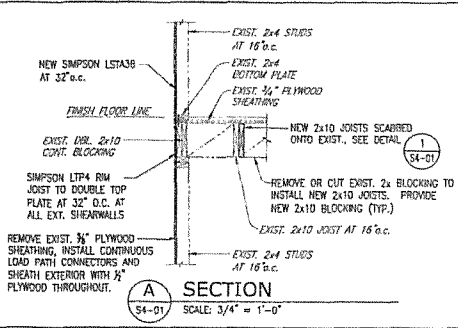
UNIVERSITY OF HAWAII
SCHOOL OF ARCHITECTURE
1900 KEELE ST. HONOLULU, HI 96826

UNIVERSITY OF HAWAII COLLEGE
OF HOSPITALITY AND TOURISM
2248A & 2248B HOSPITALITY ACADEMY RENOVATION
KAHALU, MAUI

FOUNDATION SECTIONS AND DETAILS

DESIGNED BY SLSH & ASSOC., INC. 1700 KULUWAHINE STREET, 2ND FLOOR HONOLULU, HAWAII 96813	DRAWN BY 	CHECKED BY 	DATE 6-28-2011	PROJECT NO. S3-01
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The work was prepared by me or under my supervision and completion of the project will be under my supervision.
Signature: _____



NOTE: CONTINUOUSLY SHORE EXIST. STRUCTURAL FRAMING UNTIL INSTALLATION OF NEW JOISTS AND BEAMS IS COMPLETED.

1 NEW 2x10 JOIST DETAIL
SCALE: 3/4" = 1'-0"

REVISION NO.	DATE	DESCRIPTION	BY	DATE

UNIVERSITY OF HAWAII FIRE & WINE	
UNIVERSITY OF HAWAII MAUI COLLEGE UH PROJECT NUMBER CC-11-5382 2248A & 2248B HOSPITALITY ACADEMY RENOVATION KAHALULU, MAUI	
SECOND FLOOR SECTIONS	
	PROJECT NO. CC-11-5382 SHEET NO. S4-01 DRAWN BY: [Signature] CHECKED BY: [Signature] DATE: 11-20-2015 APPROVED BY: [Signature]

