DEPARTMENT OF HAWAIIAN HOME LANDS
STATE OF HAWAII

NOVMEBER 19, 2015

ADDENDUM NO. 2

TO

PLANS, BID FORM, SPECIFICATIONS, CONTRACT AND BOND

FOR

2-BEDROOM HOUSE RENOVATION (LOT 58-B-1)
AND
3-BEDROOM HOUSE RENOVATION (LOT 131-A-3)

HILO, COUNTY OF HAWAII, HAWAII

RFQ NO.: IFB-16-HHL-005

NOTICE TO ALL PROSPECTIVE BIDDERS

This addendum is hereby made a part of the PLANS, BID FORM, SPECIFICATIONS, CONTRACT AND BOND for the WAIMANALO DETENTION BASIN CLEARING, WAIMANALO, OAHU, HAWAII, and it shall amend the said contract documents as detailed within this Addendum document.

APPROVED:

_____ Date: November 19, 2015
Norman Sakamoto, LDD Acting Administrator
Department of Hawaiian Home Lands

Please detach, execute, and return immediately, the receipt below, to the Department of Hawaiian Home Lands, Hale Kalanianaole, 91-5420 Kapolei Parkway, Kapolei, Hawaii or transmit facsimile to (808) 620-9299.

Receipt of Addendum No. 1 for the 2-BEDROOM HOUSE RENOVATION AND 3-BEDROOM HOUSE RENOVATION, HILO, COUNTY OF HAWAII, HAWAII, is hereby acknowledged.

Signed_____ Title_____

Firm_____ Date_____

ADDENDUM NO. 2
NOVEMBER 19, 2015

TO

PLANS, BID FORM, SPECIFICATIONS, CONTRACT AND BOND

FOR

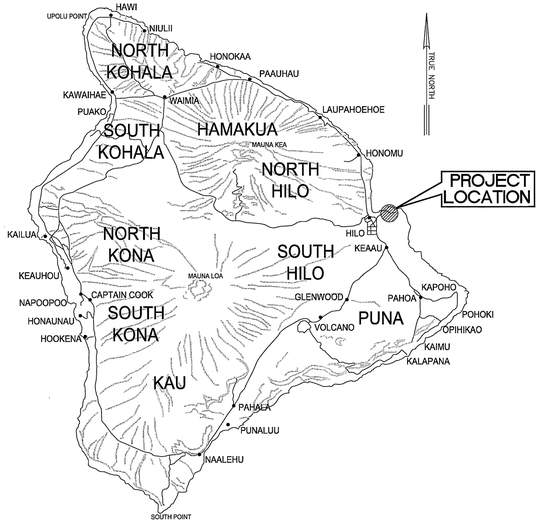
2-BEDROOM HOUSE RENOVATION (LOT 58-B-1)
AND
3-BEDROOM HOUSE RENOVATION (LOT 131-A-3)

HILO, COUNTY OF HAWAII, HAWAII

IFB NO.: IFB-16-HHL-005

ITEM NO. 1 REPLACE PLANS IN ADDENDUM NO. 1

Replace the signed plans attached to ADDENDUM NO. 1 in its entirety with the plans attached here to **ADDENDUM NO. 2 (11/19/15)**



ISLAND OF HAWAII
NOT TO SCALE

STATE OF HAWAII
DEPARTMENT OF HAWAIIAN HOME LANDS
IFB-16-HHL-005

2 BEDROOM HOUSE RENOVATION
LOT 58-B-1

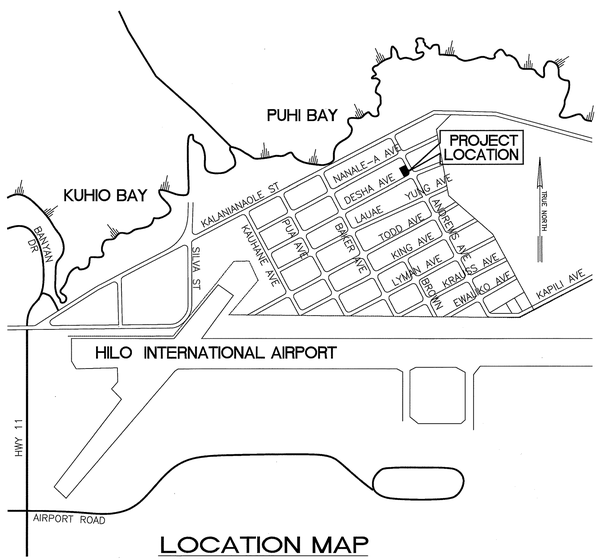
TAX MAP KEY: (3) 2 - 1 - 021: 072
82 ANDREWS AVENUE
SUBDIVISION APPLICATION NO: SUB-15-001465

AND

3 BEDROOM HOUSE RENOVATION
LOT 131-A-3

TAX MAP KEY: (3) 2 - 1 - 021: 010
372 DESHA AVENUE
SUBDIVISION APPLICATION NO: SUB-15-001463

WAIAKEA, SOUTH HILO,
ISLAND OF HAWAII, HAWAII



LOCATION MAP
NOT TO SCALE

LOT 58-B-1

SHEET NO.	DRAWING NO.	DESCRIPTION
		TITLE
1.	TS1	TITLE SHEET, INDEX, MAP
2.	TS2	NOTES
		ARCHITECTURAL
3.	A1.1	EXISTING SITE PLAN, ARCHITECTURAL ABBREVIATIONS & SYMBOLS
4.	A2.1	EXISTING / DEMOLITION FOUNDATION & FLOOR PLAN / BASEMENT LEVEL, EXISTING / DEMOLITION FLOOR PLAN UPPER LEVEL
5.	A2.2	EXISTING / NEW WORK FOUNDATION & FLOOR PLAN / BASEMENT LEVEL, EXISTING / NEW WORK FLOOR PLAN UPPER LEVEL, ROOF FRAMING PLAN (CARPORT)
6.	A2.3	DOOR & WINDOW SCHEDULE, LIGHT & VENTILATION REQ, FLASHING DETAILS
7.	A3.1	EXISTING / DEMOLITION EXTERIOR ELEVATIONS
8.	A3.2	EXISTING / NEW WORK EXTERIOR ELEVATIONS
9.	A4.1	EXISTING / DEMOLITION / NEW WORK ROOF PLAN, DETAILS
10.	A5.1	EXISTING / DEMOLITION REFLECTED CEILING PLAN / BASEMENT & UPPER LEVEL
11.	A5.2	EXISTING / NEW WORK REFLECTED CEILING PLAN / BASEMENT & UPPER LEVEL
12.	46.1	EXISTING / DEMOLITION / NEW WORK INTERIOR ELEVATIONS
13.	A6.2	INTERIOR ELEVATIONS
14.	A7.1	WALL SECTION, DETAILS
15.	A7.2	STAIR DETAILS
16.	A7.3	SECTION THRU BUILDING, DETAIL

16 TOTAL SHEET

LOT 131-A-3

SHEET NO.	DRAWING NO.	DESCRIPTION
		TITLE
1.	TS1	TITLE SHEET, INDEX, MAP
		ARCHITECTURAL
2.	A1.1	EXISTING SITE PLAN
3.	A2.1	EXISTING / DEMOLITION FLOOR PLAN
4.	A2.2	EXISTING / NEW WORK FLOOR PLAN
5.	A3.1	EXISTING / DEMOLITION EXTERIOR ELEVATIONS
6.	A3.2	EXISTING / NEW WORK EXTERIOR ELEVATIONS
7.	A4.1	EXISTING / DEMOLITION / NEW WORK ROOF PLAN, DETAILS
8.	A5.1	REFLECTED CEILING PLAN
9.	A6.1	EXISTING / DEMOLITION INTERIOR ELEVATIONS
10.	A6.2	EXISTING / NEW WORK INTERIOR ELEVATIONS

10 TOTAL SHEET

APPROVED BY:

CHAIRMAN, HAWAIIAN HOMES COMMISSION
STATE OF HAWAII

DATE: 10/7/15

No.	DATE	DWG	CHK	REVISIONS
1				
2				
3				

DATE | PRINTS TO

This work was prepared by me or under my supervision, and construction of this project will be under my observation. Exp. Dec. 30-16

Wesley R. Segawa & Associates, Inc.

DENNIS K.W. LEE LICENSED PROFESSIONAL ENGINEER No. 4004-C HAWAII U.S.A.

WRSA
Wesley R. Segawa and Associates, Inc.
Committed to Quality Performance & Value
Civil & Structural Engineers
101 Silva Street, Suite 201 Hilo, Hawaii 96720-4795
Telephone: (808) 935-4077 Fax: (808) 935-0070

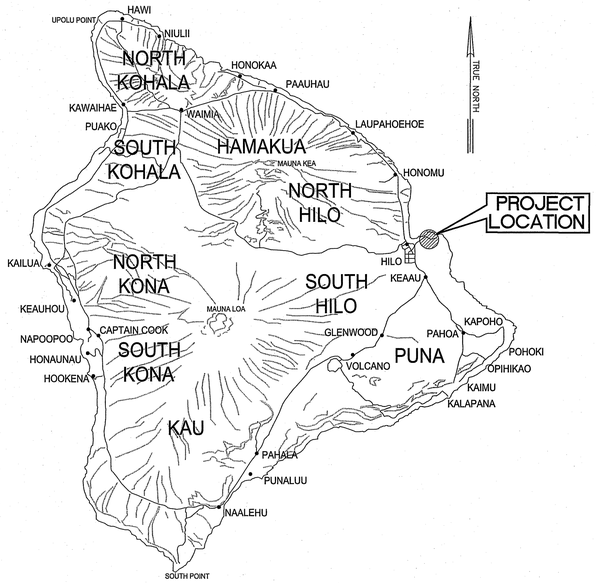
Project Title: DHHL KEAUKAHA LOT 58-B-1 & LOT 131-A-3
2 & 3 BEDROOM HOUSE RENOVATION
TMK: (3) 2-1-021:72 & TMK: (3) 2-1-021:010

Sheet Title: TITLE SHEET, INDEX MAP, APPROVED BY

DESIGN BY:	WRS
DRAWN BY:	KK
CHECKED BY:	WRS
APPROVED BY:	DL
DATE:	2015
SCALE:	AS NOTED
FILE No	W1302.44

DRAWING No.
TS

STATE OF HAWAII
DEPARTMENT OF HAWAIIAN HOME LANDS
IFB-16-HHL-005

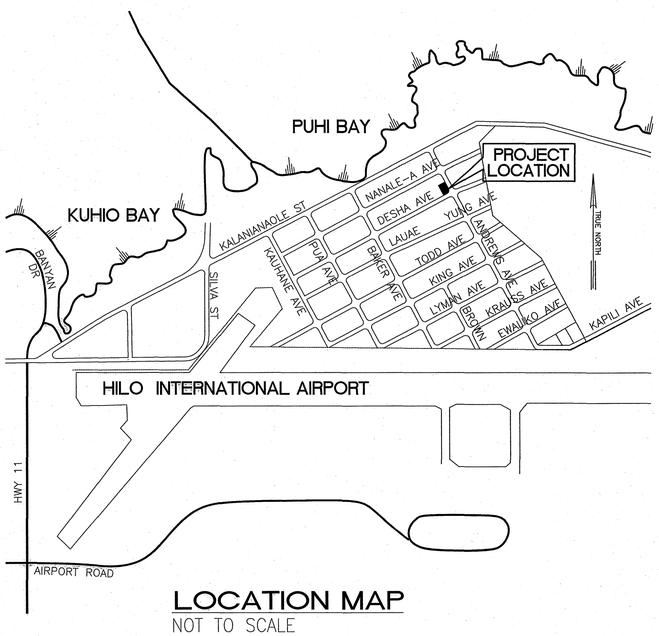


ISLAND OF HAWAII
NOT TO SCALE

2 BEDROOM HOUSE RENOVATION
LOT 58-B-1

WAIAKEA, SOUTH HILO,
ISLAND OF HAWAII, HAWAII

TAX MAP KEY: (3) 2 - 1 - 021: 072
82 ANDREWS AVENUE
SUBDIVISION APPLICATION NO: SUB-15-001465



LOCATION MAP
NOT TO SCALE

SHEET NO.	DRAWING NO.	DESCRIPTION
		TITLE
1.	TS1	TITLE SHEET, INDEX, MAP
2.	TS2	NOTES
		ARCHITECTURAL
3.	A1.1	EXISTING SITE PLAN, ARCHITECTURAL ABBREVIATIONS & SYMBOLS
4.	A2.1	EXISTING / DEMOLITION FOUNDATION & FLOOR PLAN / BASEMENT LEVEL, EXISTING / DEMOLITION FLOOR PLAN UPPER LEVEL
5.	A2.2	EXISTING / NEW WORK FOUNDATION & FLOOR PLAN / BASEMENT LEVEL, EXISTING / NEW WORK FLOOR PLAN UPPER LEVEL, ROOF FRAMING PLAN (CARPORT)
6.	A2.3	DOOR & WINDOW SCHEDULE, LIGHT & VENTILATION REQ, FLASHING DETAILS
7.	A3.1	EXISTING / DEMOLITION EXTERIOR ELEVATIONS
8.	A3.2	EXISTING / NEW WORK EXTERIOR ELEVATIONS
9.	A4.1	EXISTING / DEMOLITION / NEW WORK ROOF PLAN, DETAILS
10.	A5.1	EXISTING / DEMOLITION REFLECTED CEILING PLAN / BASEMENT & UPPER LEVEL
11.	A5.2	EXISTING / NEW WORK REFLECTED CEILING PLAN / BASEMENT & UPPER LEVEL
12.	46.1	EXISTING / DEMOLITION / NEW WORK INTERIOR ELEVATIONS
13.	A6.2	INTERIOR ELEVATIONS
14.	A7.1	WALL SECTION, DETAILS
15.	A7.2	STAIR DETAILS
16.	A7.3	SECTION THRU BUILDING, DETAIL

16 TOTAL SHEET

APPROVED BY:

CHAIRMAN, HAWAIIAN HOMES COMMISSION
STATE OF HAWAII

10/15/15
DATE:

NO.	DATE	DWG. CHK.	REVISIONS
△			
△			
△			

DATE	PRINTS TO

This work was prepared by me or under my supervision and was performed according to my knowledge and ability. I will be under my observation.

WESLEY R. SEGAWA
LICENSED PROFESSIONAL ENGINEER
No. 5116-S
HAWAII
U.S.A.
Exp. 04/30/2016

Wesley R. Segawa
Wesley R. Segawa & Assoc., Inc.

WRSA
Wesley R. Segawa and Associates, Inc.
Committed to Quality Performance & Service
Civil & Structural Engineers
101 Silva Street, Suite 201 Hilo, Hawaii 96720-4755
Telephone: (808) 935-6977 Fax: (808) 935-2070

Project Title: DHHL KEAUKAHA LOT 58-B-1
2 BEDROOM HOUSE REPAIR
TMK: (3) 2-1-021:72

Sheet Title: TITLE SHEET, INDEX MAP, APPROVED BY

DESIGN BY:	WRS
DRAWN BY:	KK
CHECKED BY:	WRS
APPROVED BY:	DL
DATE:	2015
SCALE:	AS NOTED
FILE No	W1302.44

DRAWING No.
TS1

CODE DATA

OWNER	HAWAIIAN HOME LANDS JESSIE JONES
MAILING ADDRESS	3212 CALIFORNIA STREET EUREKA, CALIFORNIA 95503–5265
BUILDING ADDRESS	82 ANDREWS AVENUE
TAX MAP KEY	(3) 2–1–021:072 KEAUKAHA TRACT NO 1 WAIAKEA, SOUTH HILO, HAWAII

HAWAII COUNTY WATER,
ZONING RS–10 (ZONING X)
LAND AREA: 0.4915 ACREAGE (21,409 SQ FT)

2006 IBC, 2006 IRC
County of Hawaii Amendment – Chapter 5 Building

Occupancy Group	R–3	
Type of Construction	V–B	
Allowable Area	Unlimited	
Allowable Number of stories	3	2 ACTUAL (EXIST)
Allowable Height	35'–0"	18'–8" ACTUAL (EXIST)

No Fire Sprinkler (180) Amending Section 903.2.7

	Existing
Number of Stories	2
Number of Bedroom	2
Number of Bathroom	1

EXISTING AREA

Number and Room Name		Existing Area (Gross)
Upper Level		
101	EXIST HALL	35 sf
102	EXIST BEDROOM 1	129 sf
103	EXIST BATHROOM	76 sf
104/105	EXIST KIT/LIVING	255 sf
106	EXIST BEDROOM 2	115 sf
		610 sf total upper level
Basement Level		
B101	EXIST UTILITY	49 sf
B102	EXIST STORAGE	426 sf
B103	EXIST STORAGE	80 sf
B104	EXIST STORAGE	38 sf
B105	EXIST STORAGE	17 sf
		610 sf total basement level
		1,220 SF TOTAL EXISTING upper level and basement level
107	EXIST COVERED LANAI	39 sf
108	EXIST COVERED LANAI	234 sf

NEW AREA

Number and Room Name		Area (Gross)
Upper Level		
101	EXIST HALL	35 sf
102	EXIST BEDROOM 1	129 sf
103	EXIST BATHROOM	76 sf
104/105	EXIST KIT/LIVING	193 sf
106	EXIST BEDROOM 2	115 sf
109	STAIR	62 sf
		610 sf total upper level
Basement Level		
B102	EXIST STORAGE	451 sf
B103	EXIST STORAGE	80 sf
B105	EXIST STORAGE	17 sf
109	STAIR	62 sf
		610 sf total basement level
		1,220 SF TOTAL upper level and basement level

EARTHWORK

A. FILL AND BACKFILL MATERIAL SHALL CONSIST OF GRANULAR APPOVED SITE OR IMPORTED MATERIAL, FREE OF DELETERIOUS MATERIAL AND LARGE BOULDERS.

B. FILL AND BACKFILL MATERIAL SHALL BE PLACED IN 6" MAX. LOOSE LIFTS AND MECHANICALLY COMPACTED TO 95% OF RELATIVE COMPACTION.

A 4" LAYER OF BASE COURSE SHALL BE PLACED UNDER ALL SLABS.

C. THE BOTTOMS OF ALL FOOTINGS SHALL BE RE–COMPACTED PRIOR TO POURING OF CONCRETE.

D. CONTROL THE GRADING AROUND CONSTRUCTION AREA SO THAT WATER FLOWS AWAY FROM THE BUILDING.

CONCRETE

A. ALL CONCRETE SHALL DEVELOP THE FOLLOWING MINIMUM 28–DAY COMPRESSIVE STRENGTHS, (UNLESS SHOWN OTHERWISE):

ELEMENT	28 DAY STRENGTH (PSI)
1. FOOTINGS	3,000
2. SLAB ON GRADE	3,000

B. ALL CONCRETE SHALL BE CURED FOR A MINIMUM OF SEVEN CONSECUTIVE DAYS IMMEDIATELY AFTER POURING BY THE USE OF WET BURLAP, FOG SPRAYING, CURING COMPOUNDS, OR OTHER APPROVED METHODS.

C. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING. DO NOT CUT ANY REINFORCING WHICH MAY CONFECT. CORING IN CONCRETE IS NOT PERMITTED. NOTIFY THE STRUCTURAL ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE DRAWINGS.

D. ALL PHASES OF WORK PERTAINING TO CONCRETE CONSTRUCTION SHALL CONFORM TO THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318 LATEST APPROVED EDITION) WITH MODIFICATIONS AS NOTED IN THE DRAWINGS OR SPECIFICATIONS.

TIMBER NOTES

A. UNLESS OTHERWISE NOTED ALL STRUCTURAL TIMBER SHALL BE 1,200 PSI NO. 2 APPEARANCE DOUGLAS FIR LARCH EXCEPT FOR 4x MEMBER WHICH SHALL BE NO, 1 OR BETTER.

B. ALL TIMBER SHALL BE "WOLMANIZED" OR APPROVED EQUAL

C. PROVIDE 30# FELT BELOW ALL PLATE RESTING ON CONCRETE OR MASONRY

D. TIMBER CONNECTORS SHALL BE SIMPSON COMPANY'S "STRONG TIE"

E. WITH NAILS AS NOTED IN CATALOG C–2014, OR APPROVED EQUAL.

NAILING SHALL BE ACCORDANCE WITH THE 2006 INTERNATIONAL RESIDENTIAL CODE.

F. SHEATHING

1. PROVIDE FULL BEARING AT ALL EDGER, IN CENTRAL, ABUT AT CENTERLINE OF BEARING, STAGGER PANELS.

G. BOLTS

1. BOLTS HOLES 1/16" OVERSIZE. THREADS SHALL NOT BEAR ON WOOD OR STEEL.

2. USE STANDARD STEEL WASHERS AGAINST WOOD.

H. SCREWS

1. WOOD OR LAG SCREWS SHALL BE SCREWED NOT DRIVEN INTO PLACE.

2. IN PLACING SCREWS. THE HOLES SHALL BE BORED TO THE SAME DIAMETER AND DEPTH OF THE SCREW SHANK. THE HOLES FOR THE THREADED PORTION OF THE SCREWS SHALL BE BORED WITH A BIT NOT LARGER THAN THE DIAMETER OF THE VASE OF THE THREAD.

I. WOOD PRESERVATIVE

1. ALL WOOD FRAMING IN CONTACT WITH CONCRETE AND/OR EXPOSED TO WEATHER OF PROLONGED DAMPNESS SHALL BE TREATED IN ACCORDANCE WITH AWPA SPECIFICATIONS OR SHALL BE WOOD OF NATURAL RESISTANCE TO DECAY.

REINFORCING STEEL

A. STRENGTHS – UNLESS OTHERWISE NOTED ON PLAN ALL REINFORCING BARS SHALL BE ASTM A615 GRADE 60. COLUMN SPIRALS SHALL CONFORM TO ASTM A82.

B. SPLICES:

1. UNLESS OTHERWISE NOTED MINIMUM SPLICE SHALL BE 40 BAR DIAMETER OR 2'–0" WHICHEVER IS GREATER.

C. CONCRETE CLEAR COVER SHALL BE AS FOLLOWS:

1. FOOTINGS, ETC., POURED AGAINST EARTH.....3"
2. FOOTINGS, ETC., POURED AGAINST FORMS AND LATER EXPOSED TO EARTH.....2 1/2"

BAR BEND, HOOKS, AND OFFSETS SHALL BE IN ACCORDANCE WITH THE ACI RECOMMENDATIONS AND AS DETAILED IN DRAWINGS.

D. CHAIRS: PLASTIC TIPPED "CHAIRS" SHALL VE USED TO MAINTAIN MINIMUM CONCRETE CLEAR COVER FOR ALL SLAVS, BEAMS, COLUMNS, AND WALL REINFORCING AT SIDES EXPOSED TO WEATHER.

ALL REINFORCING BAR BENDS SHALL BE MADE COLD.

E. REINFORCING STEEL BOLTS AND OTHER INSERTS SHALL BE POSITIVELY SECURED IN PLACE BEFORE POURING CONCRETE. BAR PLACEMENT AND SUPPORTS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.

METAL ROOFING AND SHEET METAL

A. INSTALL PRE–PAINTED CORRUGATED METAL ROOF INCLUDING ACCESSORY FLASHING PLECES AND CLOSURE STRIPS. FASTENERS SHALL BE SCREW–TYPE WITH WASHERS. FASTEN AT HIGH POINTS AND SPACE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

B. FLASH ALL ROOF PENETRATIONS AND CAULK TO INSURE WATERTIGHT SEALS.

GYPSUM WALLBOARD

A. GYPSUM WALLBOARD ON CEILINGS AND WALLS SHALL COMPLY WITH ANSI NO. A97.1 FOR APPLICATION AND FINISHING, AND BE 1/2" THICK. WRAP INTERIOR SIDES OF WINDOWS. TAPE, FILL AND SAND SMOOTH FOR PAINTING. USE MOISTURE RESISTANT BOARD (GREEN) IN BATHROOM. PROVIDE STANDARD PLASTIC TRIM, FASTENERS AND ACCESSORIES.

PAINTING

A. SURFACE PREPARATION AND CLEANING SHALL BE AS RECOMMENDED BY THE PAINT MANUFACTURE. REMOVE ALL HARDWARE, ACCESSORIES AND FIXURES NOT SCHEDULE TO BE PAINTED.

B. PAINTING SYSTEM SHALL INCLUDE A PRIME COAT AND 2 FINISH COATS. PROVIDE MINIMUM 2% MILDEWOLDE PER GALLON.

PLUMBING

A. PROVIDE MATERIALS, LABOR AND EQUIPMENT FOR THE INTERIOR AND EXTERIOR PLUMBING INCLUDING SEWER (SEPTIC) HOOK–UP AND FINAL CONNECTIONS TO ANY OWNER FURNISHED EQUIPMENT. INSTALL NEW COPPER SUPPLY LINES (TYPE M) TO NEW PLUMBING FIXTURES, FITTINGS AND HOSE BIBBS. PROVIDE 1/2" THICK RUBBER INSULATION JACKET FOR ALL HOT WATER PLUMBING LINES FROM W.H. OUT 8 FEET.

B. PROVIDE GRAVEL JACKET OF NO. 4 SAND AROUND BURLED PLUMBING LINES.

C. AFTER INSTALLING ALL PIPING AND BEFORE APPLYING INSULATION, TEST ALL WATER LINES HYDROSTATICALLY AT 100 PSI FOR TWO HOURS. REPAIR ALL LEAKS AND RETEST.

ABANDONMENT OF EXISTING CESSPOOL:

THE CONTRACTOR SHALL ABANDON THE CESSPOOL BY FIRST REMOVING ANY EXCESS LIQUID AND SOLIDS AND THEN FILLING THE CESSPOOL WITH EARTH, SAND, GRAVEL, CONCRETE OR RUBBLE. IF THE COVER IS REMOVED, THE FINAL THREE (3) FEET OF FILL SHALL BE WITH SOIL WHICH IS COMPACTED TO PREVENT SURFACE CONTAMINANTS FROM GAINING ACCESS TO UNDERGROUND SOURCES OF WATER. ANY LIQUIDS OR SOLIDS REMOVED FROM THE CESSPOOL SHALL BE TAKEN TO MUNICIPAL WASTEWATER TREATMENT PLANT WHICH ACCEPTS SUCH MATERIALS.

ELECTRICAL NOTES

A. THE CONTRACTOR SHALL FIELD ARRANGE AND ROUTE ALL CIRCULTS TO PROVIDE THE NECESSARY HOMERUNS FOR THE REQUIRED BRANCH CIRCULTS.

B. CONDULTS SHALL BE SIZED CORRECTLY PER NEC REQUIREMENTS DEPENDING ON THE HOMERUN GROUPINGS SELECTED BY CONTRACTOR.

C. 1/2" C. WILL BE PERMITTED WHEN USED WITH 2–#12 OR 2–#14 PLUS GROUND.

D. WHERE PERMITTED TYPE NM WIRING SHALL BE CONCEALED IN CEILING, WALL, AND CABINET SPACES, UNLESS OTHERWISE INDICATED.

E. OUTLET BOXES FOR USE WITH TYPE NM WIRING SHALL BE PLASTIC, SUITABLE FOR THE APPLICATION INTENDED.

F. ALL PANELBOARDS / LDCTRS SHALL HAVE TYPEWRITTEN DIRECTORIES.

G. ALL 120 VOLT BRANCH CIRCULTS LESS THAN 100 FEET MAY USE #12 CONDUCTORS. ALL CIRCULTS LONGER THAN 100 FEET SHALL USE #10 CONDUCTORS FOR THE FIRST 100 FEET #12 CONDUCTORS MAY BE USED FOR THE LAST 25 OR 50 FEET OF ANY CURCULT LONGER THAN 150 FEET.

H. PROVIDE A NEUTRAL CONDUCTOR FOR EACH SET OF PHASE CONDUCTORS. CONTRACTOR SHALL PLAN TO LIMIT HOMERUNS TO 2 SETS OF PHASE CONDUCTORS AND 2 NEUTRALS WHEREVER PRACTICAL.

I. PROVIDE A GROUNDING CONDUCTOR FOR ALL CIRCULTS. DO NOT USE CONDULT OR RACEWAY FOR CIRCULT GROUNDING. WHERE INDICATED OR REQUIRED, A DEDICATED AND / OR LSOLATED GROUND CONDUCTOR / SYSTEM SHALL BE PROVIDE.

J. DRAWINGS ARE INTENDED TO BE COMPLETE AS TO GENERAL INTENT AND REQUIREMENTS BUT NOT TO ACTURAL DETAILS OF CONSTRUCTION, INSTALLATION AND LOCATIONS.

K. ALL ELECTRICAL WIRE SHALL BE CATEGORY 3 OR BETTER.

L. TELEPHONE OUTS SHALL BE WIRED HOMERUM FROM OUTLET TO TELEPHONE PANEL.

M. SECURING OF ELECTRICAL WIRES SHALL COMPLY WITH ALL APPLICABLE CODE REQUIREMENTS.

ELECTRICAL GENERAL NOTES

A. ALL CONDUIT ROUTING AND EQUIPMENT LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL ROUTE, LOCATE CONDUITS, AND MOUNT EQUIPMENTS TO SUIT FIELD CONDITIONS, AVOLDING INTERFERENCES WITH ELECTRICAL EQUIPMENT, PIPING, STRUCTURAL STEEL AND OTHER BUILDING ELEMENTS AND ELECTRICAL ITEMS.

B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK AMONG THE VARIOUS TRADES AS NECESSARY TO AVOID CONFLICTS AND TO INSURE THE INSTALLATION OF ALL WORK WITHIN THE AVALIABLE SPACE.

C. ALL ELECTRICAL EQUIPMENT SHALL BE NEW AND WARRANTEED BY THE MANUFACTURE.

D. ALL ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE, NATIONAL ELECTRICAL SAFETY CODE AND FEDERAL, STATE AND GOVERNMENT STANDARDS, REGULATIONS, AND ORDINANCES.

E. ALL EXPOSED CONDUITS AND FITTINGS, AND METAL PORTIONS OF EQUIPMENT ENCLOSURES SHALL BE FIELD PAINTED FOR CORROSION PROTECTION.

F. ALL EQUIPMENT SHALL BE PROPERLY MOUNTED, ANCHORED AND SUPPORTED BY APPROVED METHODS FOR SEISMIC RESTRANIT.

ELECTRICAL MOUNTING HEIGHTS (UNLESS OTHERWISE NOTED)

A. RECEPTACLE, TELEPHONE AND CATV OUTLET:

+12" ABOVE FINISH FLOOR, CENTERLINE, VERTICAL, GROUND UP. +6" ABOVE COUNTER TOPS, BASINS, ETC., CENTERLINE, VERTICAL.

B. SWITCH OUTLET:

+42" ABOVE FINISH FLOOR, CENTERLINE, VERTICAL.

C. LOADCENTERS, CABINETS:

+5'–6" ABOVE FINISH FLOOR OR FINISH GRADE TO TOP.

No	DATE	DWG	CHK	REVISIONS

PERMITS TBD

DATE

This work was prepared by me or under my supervision and I will be under my observation.

WESLEY R. SEGAWA LICENSED PROFESSIONAL ENGINEER No. 5166–S HAWAII

Exp. 04/30/2016

Wesley R. Segawa & Associates, Inc.

WRSA
Wesley R. Segawa and Associates, Inc.
Committed to Quality Performance & Value
Civil & Structural Engineers
100 Silver Cross Blvd., Suite 207, Hilo, Hawaii 96720
Telephone: (808) 935-3127 Fax: (808) 935-3129

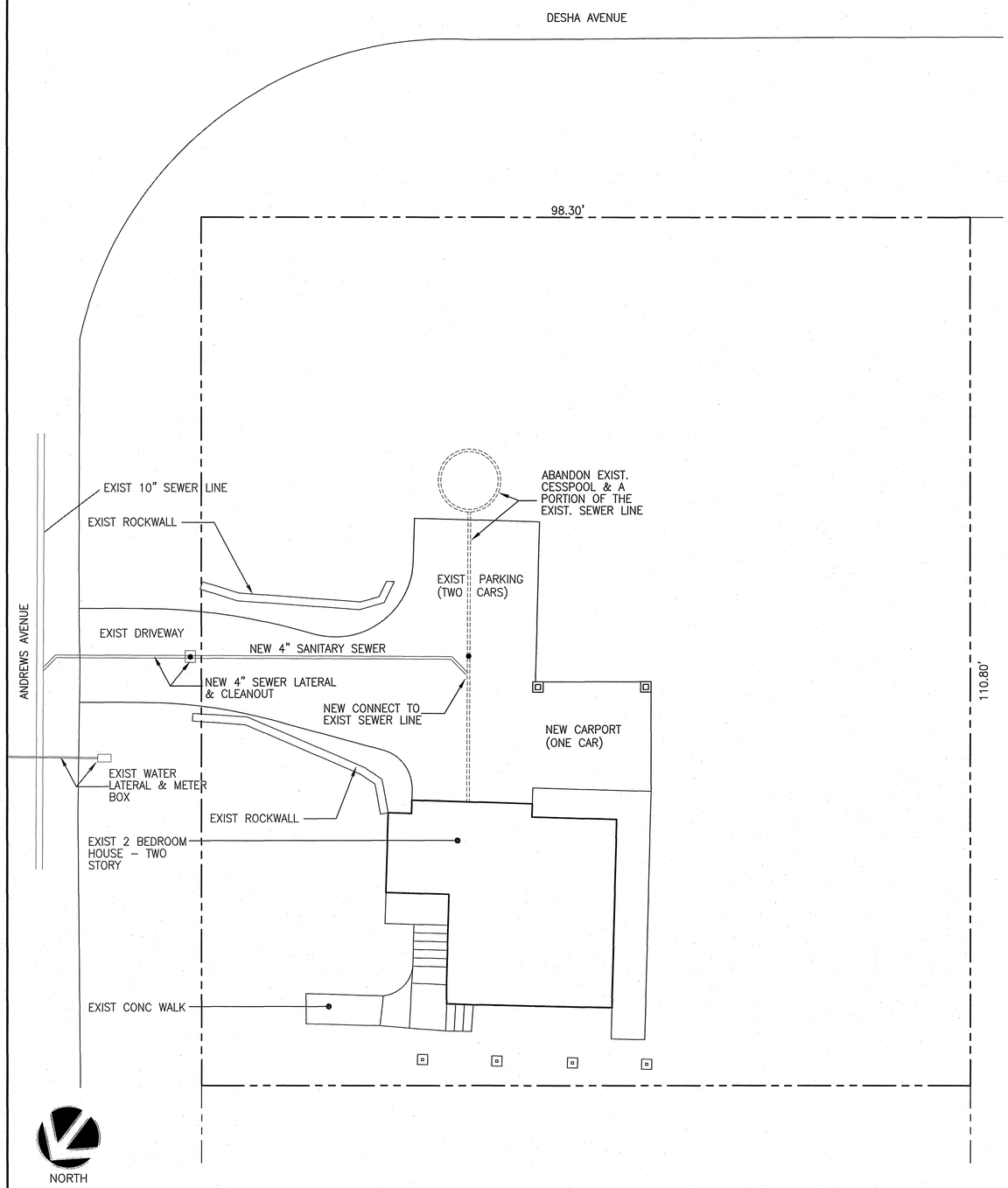
job title: DHHL KEAUKAHA LOT 58B
2 BEDROOM HOUSE REPAIR
TMK: (3) 2–1–021:072

sheet title: NOTES

DESIGN BY:	WRS
DRAWN BY:	HK
CHECKED BY:	WRS
APPROVED BY:	
DATE:	APRIL 2016
SCALE:	AS NOTED
FILE No.	WR 302.44

DRAWING No.

TS2



A EXISTING SITE PLAN
SCALE 1/8" = 1'-0"

0 2' 4' 8' 12'
SCALE IN FEET

ARCHITECTURAL ABBREVIATIONS

&	and
@	at
°	degree
#	pound / number

A

AB	Anchor Bolt
ADJ	Adjustable
ADJA	Adjacent
ALUM	Aluminum
APPROX	Approximate

B

BD	Board
BLDG	Building
BLK	Block
BLKG	Blocking
BM	Beam
BOT	Bottom
BR	Bedroom
BRKT	Bracket

C

CAB	Cabinet
CCJ	Crack Control Joint
CHAN	Channel
CI	Cast Iron
CJ	Control Joint
CK	Caulking
CL	Centerline / Clearance / Class / Closet
CLG	Ceiling
CLR	Clear
CLS	Closure
CMU	Concrete Masonry Unit
CNTR	Counter
CO	Cleanout / Cased Opening
COL	Column
CONC	Concrete
CONN	Connection
CONT	Continuous
CONTR	Contractor
CORR	Corridor / Corrugate
CP	Carpet
CR	Closet Rod / Curtain Rod
CT	Ceramic Tile
CTR	Center / Counter
CTSK	Countersunk

D

d	Penny (nails)
DBL	Double
DET	Detail
DIA	Diameter
DIAG	Diagonal
DIM	Dimension
DN	Down
DR	Door
DS	Downspout
DW	Dishwasher
DWG	Drawings
DWR	Drawer

E

EA	Each
EJ	Expansion Joint
EL	Elevation
ELEC	Electrical
EP	Electric Panel
EQ	Equal
EQPT	Equipment
EW	Each Way
EXH	Exhaust
EXIST	Existing
EXP	Expansion
EXT	Exterior

F

FAST	Fastener
FDN	Foundation
FIN	Finish / Finished
FIXT	Fixture
FLASH	Flashing
FLG	Flooring
FLR	Floor
FLUOR	Fluorescent
FO	Face of ...
FOC	Face of Concrete
FOM	Face of Masonry
FOS	Face of Slab / Face of Studs
FR	Frame / Front
FT	Foot / Feet
FTG	Footing
FURR	Furring / Furred
FUT	Future

G

G	Gas / Girder / Gutter
GA	Gage
GAL	Gallon
GALV	Galvanized
GB	Grab Bar
GL	Glass
GLU-LAM	Glued Laminated Wood
GND	Ground

H

HB	Hose Bibb
HC	Hollow Core
HDWD	Hardwood
HDWE	Hardware
HGR	Hanger
HGT	Height
HORIZ	Horizontal
HTR	Heater

I

ID	Inside Diameter (dimension)
IN	Inch
IINSUL	Insulation
INT	Interior

J

JAL	Jalousie
JST	Joist
JT	Joint

K

KIT	Kitchen

L

LAM	Laminate / Laminated
LAV	Lavatory
LOC	Location
LT	Laundry Tray
LTG	Lighting

M

MAX	Maximum
MC	Medicine Cabinet
MECH	Mechanical
MET	Metal
MFR	Manufacture / Manufacturer
MIN	Minimum
MIR	Mirror
MR	Moisture Resistant
MTD	Mounted
MTG	Mounting

N

NIC	Not in Contract
NO	Number
NS	No Scale
NTS	Not To Scale

O

OC	On Center
OBS	Obscure
OD	Outside Diameter (dimension)
OPNG	Opening

P

PL	Plate / Plan
PLAM	Plastic Laminate
PLAS	Plaster
PLBG	Plumbing
PNL	Panel
PR	Pair
PPROP	Property
PRV	Pressure Relief Valve
PSF	Pounds Per Square Foot
PT	Paint / Point
PTN	Partition
PVC	Polyvinyl Chloride

Q

QT	Quarry Tile

R

R	Radius / Riser
RCP	Reflected Ceiling Plan
REBAR	Reinforcing Bar
REFR	Refrigerator
REINF	Reinforced / Reinforcing
REQ	Required
RESIL	Resilient
REV	Revised / Revision
RF	Roof
RFG	Roofing
RH	Robe Hook / Round Head
RLG	Railing
RM	Room

S

S	South
SC	Scale / Solid Core
SCHED	Schedule
SCR	Screen / Shower Curtain Rod
SD	Smoke Detector / Soap Dispenser / Shower Drain
SECT	Section
SF	Square Feet
SH	Shelf
SHR	Shower
SHT	Sheet
SHTG	Sheathing
SIM	Similar
SL	Slope
SLDG	Sliding
SLNT	Sealant
SPEC	Specification
SPKR	Speaker
SPRK	Sprinkler
SQ	Square
SSK	Service Sink
SST	Stainless Steel
STD	Standard
STL	Steel
STOR	Storage
STRL	Structural
STRUC	Structure
SUSP	Suspended
SW	Switch
SYM	Symmetrical

T

T&G	Tongue and Groove
T/S	Tub / Shower
TB	Tower Bar
TEL	Telephone
TFMR	Transformer
THK	Thick / Thickness
THR	Threshold
TLT	Toilet
TV	Television
TYP	Typical

V

VERT	Vertical
VTR	Vent Through Roof
VIF	Verify in the Field

W

W/	With
W/O	Without
WC	Wallcovering / Water Closet
WD	Wood
WDP	Wood Paneling
WDW	Window
WH	Water Heater
WP	Waterproof
WSCT	Wainscot
WWF	Welded Wire Fabric

ARCHITECTURAL REFERENCE SYMBOLS

ELEVATION (EXTERIOR OR INTERIOR)
1 / A1 — LETTER / NUMBER IDENTIFYING ELEVATION; DRAWING NUMBER ON WHICH ELEVATION IS DRAWN

ELEVATION (INTERIOR)
W, S, N, E; 1 / A1 — LETTER / NUMBER IDENTIFYING ELEVATION; DRAWING NUMBER ON WHICH ELEVATION IS DRAWN; VIEW LETTER

SECTIONS
1 / A1 — LETTER / NUMBER IDENTIFYING SECTION; DRAWING NUMBER ON WHICH ELEVATION IS DRAWN

ROOM NAME
LIVING ROOM — ROOM NAME
102 — NUMBER IDENTIFYING ROOM

DRAWING REVISION
1 — NUMBER IDENTIFYING SPECIFIC REVISION

DOOR SYMBOL
1a — NUMBER IDENTIFYING DOOR SYMBOL

WINDOW SYMBOL
A — LETTER IDENTIFYING WINDOW SYMBOL

DRAWING TITLE
A — TITLE LETTER / NUMBER IDENTIFYING DRAWING ON SHEET
TITLE OF DRAWING — TITLE
SCALE 1" = 0'-1" — SCALE OF DRAWING ON FULL SIZE SHEET

No	DATE	DWG	CHK	REVISIONS
△				
△				
△				

DATE	PRINTS TO

This work was prepared by me or under my supervision and construction of this project will be under my observation.

WESLEY R. SEGAWA LICENSED PROFESSIONAL ENGINEER No. 5916-S HAWAII U.S.A.

Exp. 04/30/2016

Wesley R. Segawa & Assoc., Inc.

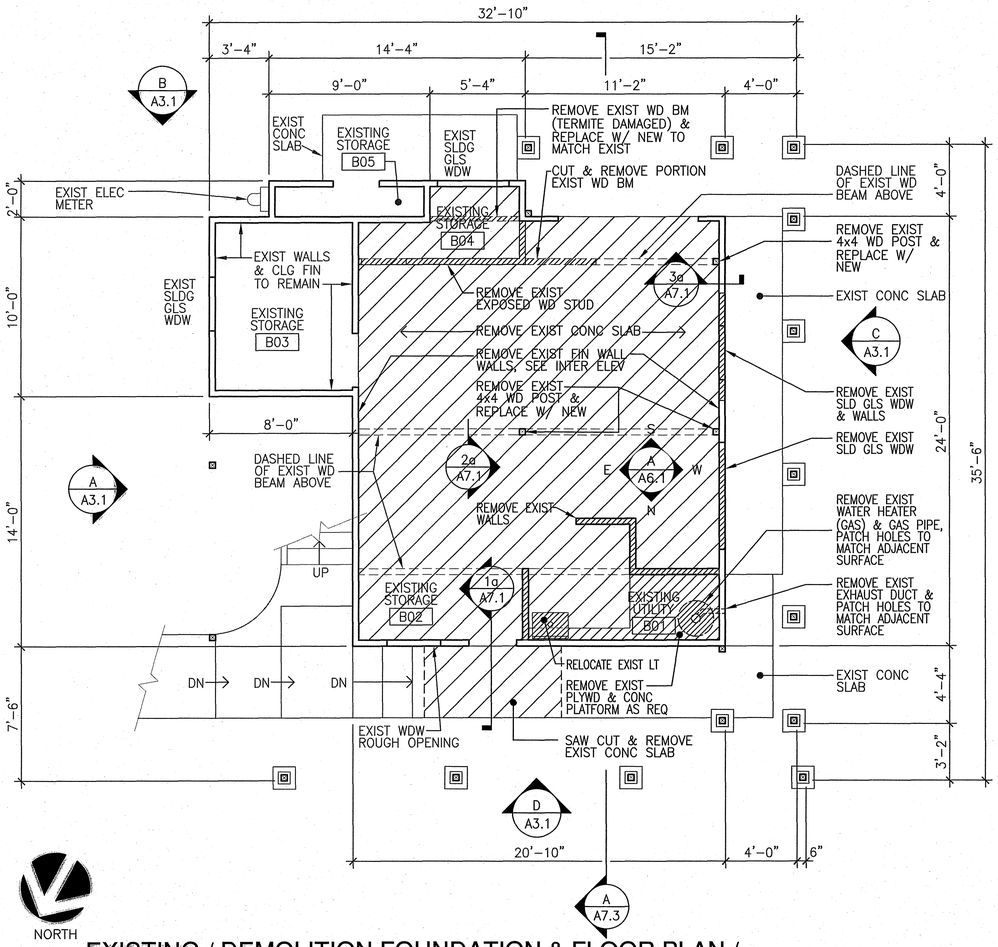
WRSA
Wesley R. Segawa and Associates, Inc.
Committed to Quality Performance & Value
Civil & Structural Engineers
1001 Kamokila Blvd., Suite 201 Kihei, Maui, Hawaii 96753-8755
Telephone: (808) 875-8577 Fax: (808) 875-8576

job title: DHHL KEAUKAHA LOT 58B 2 BEDROOM HOUSE REPAIR
TMK: (3) 2-1-021:072

sheet title: EXISTING / SITE PLAN

DESIGN BY:	WRS
DRAWN BY:	KK
CHECKED BY:	WRS
APPROVED BY:	
DATE:	APRIL 2015
SCALE:	AS NOTED
FILE No.	WR 302.4x4

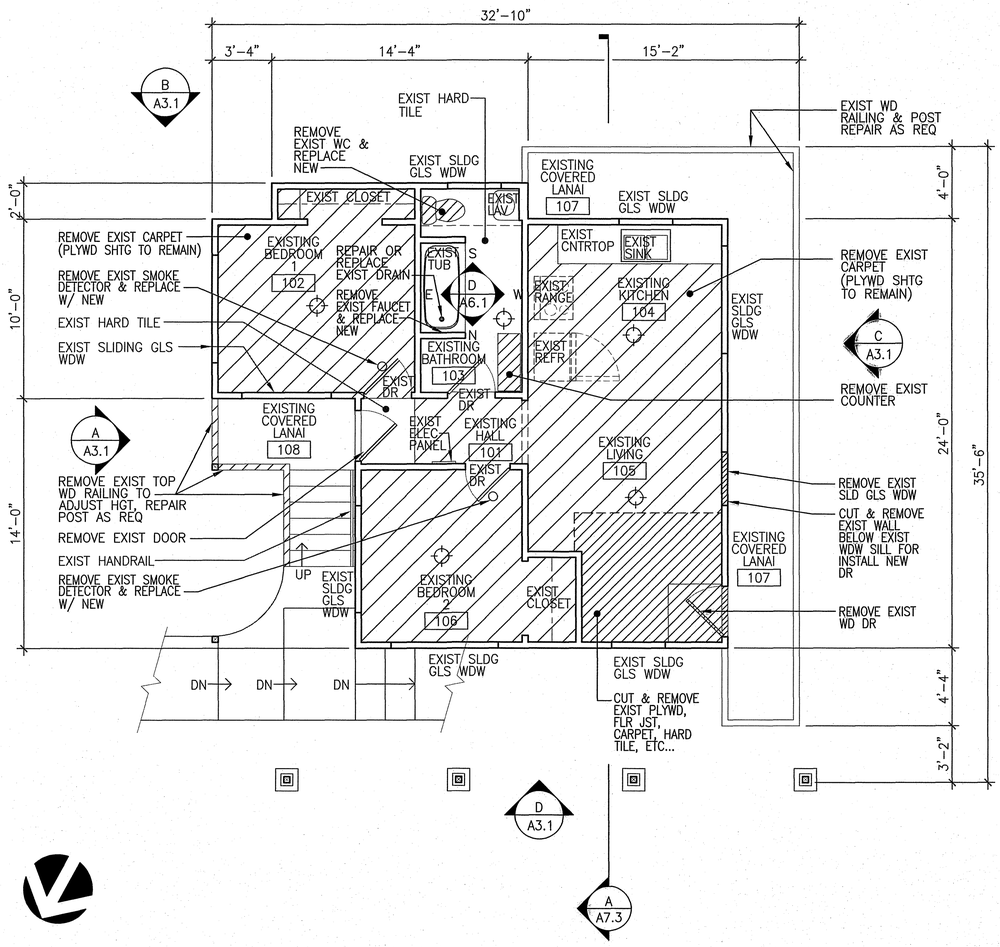
DRAWING No.
A1.1



A EXISTING / DEMOLITION FOUNDATION & FLOOR PLAN / BASEMENT LEVEL

SCALE 1/4" = 1'-0"

0 1' 2' 4' 6'
SCALE IN FEET



B EXISTING / DEMOLITION FLOOR PLAN / UPPER LEVEL

SCALE 1/4" = 1'-0"

0 1' 2' 4' 6'
SCALE IN FEET

LEGEND

REMOVE

No	DATE	BWG	CHK	REVISIONS

DATE	PRINTS TO

This work was prepared by me or under my supervision and construction of this project will be under my observation.

R. SEGAWA LICENSED PROFESSIONAL ENGINEER No. 9416-S HAWAII

Exp. 04/30/2016

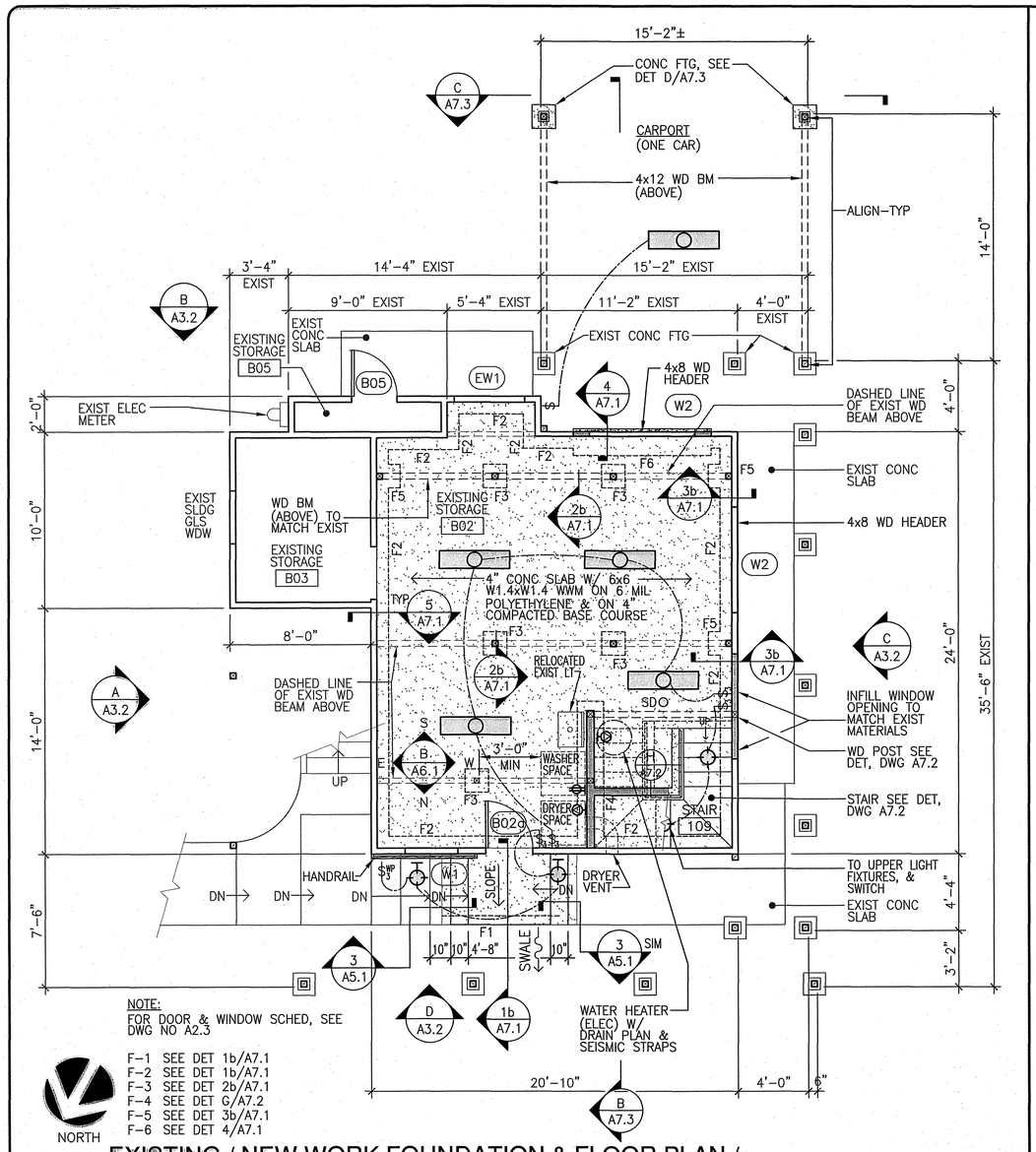
WRSA
Wesley R. Segawa and Associates, Inc.
Committed to Quality Performance & Value
Civil & Structural Engineers
1001 Kamokila Blvd., Suite 250 Kapolei, Hawaii 96707-2016
Telephone: (808) 696-8077 Fax: (808) 696-2076

job title: DHHL KEAUKAHA LOT 53B 2 BEDROOM HOUSE REPAIR
TMK: (3) 2-1-021:072

sheet title: EXISTING / NEW WORK EXTERIOR ELEVATIONS

DESIGN BY:	WRS
DRAWN BY:	KK
CHECKED BY:	WRS
APPROVED BY:	
DATE:	APRIL 2015
SCALE:	AS NOTED
FILE No.	WI 302.4a

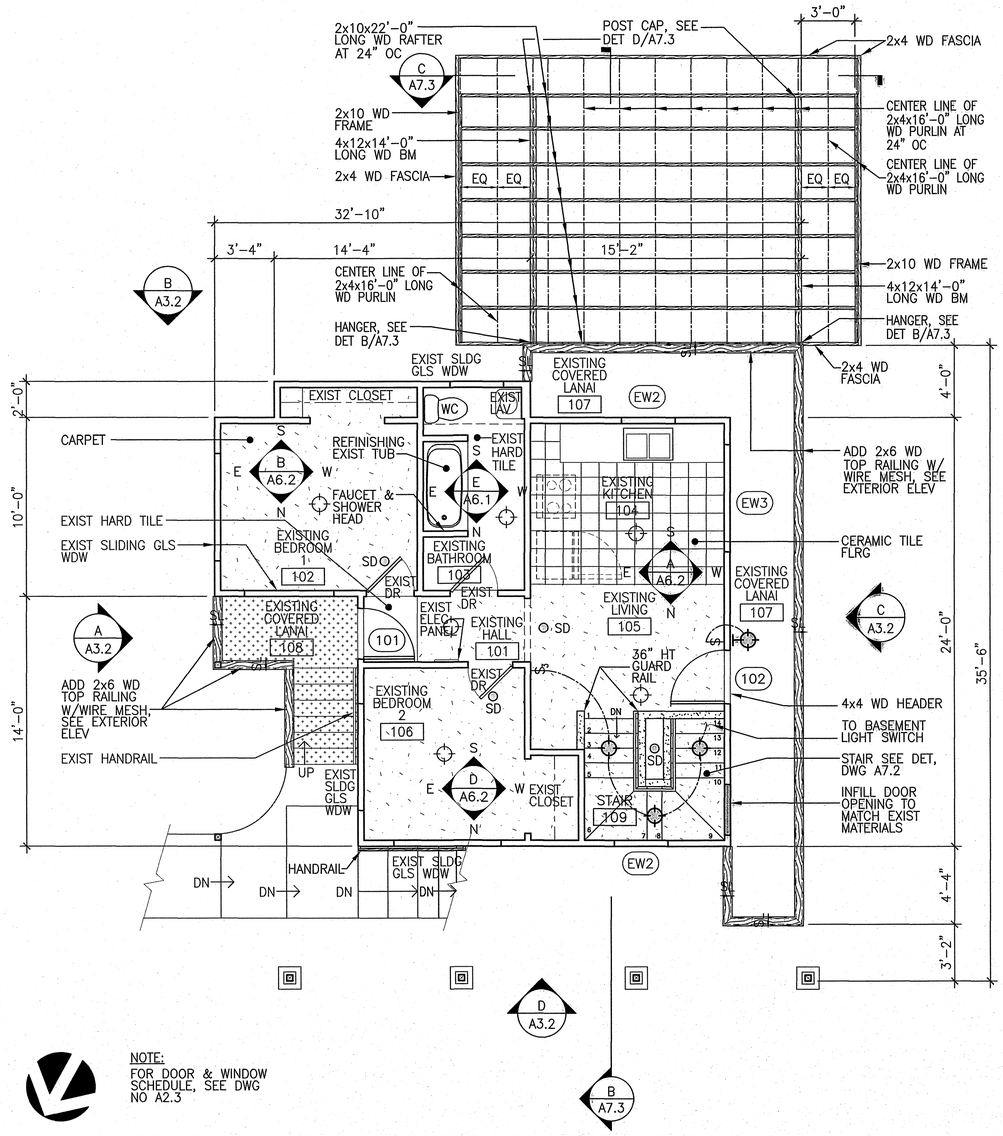
DRAWING No.
A2.1



A EXISTING / NEW WORK FOUNDATION & FLOOR PLAN / BASEMENT LEVEL

SCALE 1/4" = 1'-0"

0 1' 2' 4' 6'
SCALE IN FEET



B EXISTING / NEW WORK FLOOR PLAN / UPPER LEVEL ROOF FRAMING PLAN (CARPORT)

SCALE 1/4" = 1'-0"

0 1' 2' 4' 6'
SCALE IN FEET

LEGEND

FINISH FLOORING

CARPET | SHEET VINYL | RESILIENT TILE FLOORING | REPAINT

SYMBOL

ELECTRICAL

WALL MOUNTED OUTLET
SPECIAL OUTLET
FLUORESCENT LIGHT (4 FEET LONG)
SD SMOKE DETECTOR W/ BATTERY BACKUP
EXISTING LIGHT FIXTURE
EXISTING SMOKE DETECTOR
LIGHT FIXTURE, WALL MOUNT
LIGHT FIXTURE, CEILING MOUNT
LIGHT FIXTURE, CEILING MOUNT

No	DATE	DWG	CHK	REVISIONS

DATE | PRINTS TO

This work was prepared by me or under my supervision and constitutes of this project will be under my observation.

WESLEY R. SEGAWA LICENSED PROFESSIONAL ENGINEER No. 5516-S HAWAII U.S.A. Exp. 04/30/2016

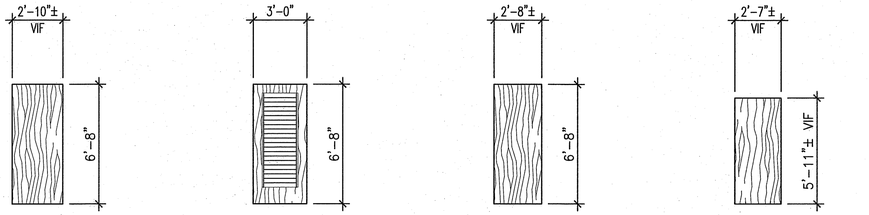
Wesley R. Segawa and Associates, Inc.
Committed to Quality Performance & Value
Civil & Structural Engineers
1128 Kilani Avenue, Suite 201 Wahiawa, HI 96786
Telephone: (808) 622-2311 Fax: (808) 622-2316

job title: DHHL KEAUKAHA LOT 58B 2 BEDROOM HOUSE REPAIR
TMK: (3) 2-1-021: 072

sheet title: EXISTING / NEW WORK EXTERIOR ELEVATIONS

DESIGN BY:	WRS
DRAWN BY:	MK
CHECKED BY:	WRS
APPROVED BY:	
DATE:	APRIL 2015
SCALE:	AS NOTED
FILE No.	W 392.44

DRAWING No. A2.2



(101) 1 3/4" THK, SWING DOOR, SOLID CORE, PAINT

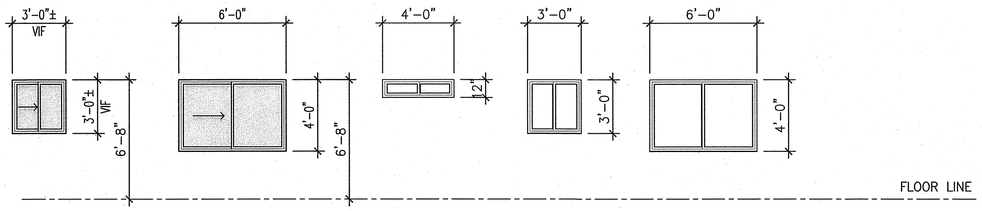
(102) 1 3/4" THK, SWING DOOR, SOLID CORE, PAINT, ALUM FRAME JALOUSIE, WOOD BLADES, PAINT, INSECT SCREEN

(B02a) 1 3/4" THK, SWING DOOR, SOLID CORE, PAINT

(B05) 1 3/4" THK, SWING ACCESS DOOR, SOLID CORE, PAINT

(A) DOOR SCHEDULE

NOT TO SCALE



(W1) ALUM FRAME, SLDG GLS WDW, CLEAR, INSECT SCREEN

(W2) ALUM FRAME, SLDG GLS WDW, CLEAR, INSECT SCREEN

(EW1) EXISTING SLDG GLS WDW

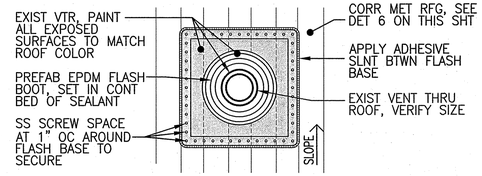
(EW2) EXISTING SLDG GLS WDW

(EW3) EXISTING SLDG GLS WDW

(B) WINDOW SCHEDULE

NOT TO SCALE

LIGHT and VENTILATION REQUIREMENT						
Room Mark & Name	Door and Window Mark	Area (net)	Required Light (net)	Actual Light (net)	Required Ventilation (net)	Actual Ventilation (net)
BASEMENT LEVEL						
B102 EXISTING STORAGE 109 STAIR	(EW1) (W1) (W2)	482 sf	48.2 sf	57.0 sf	24.1 sf	27.5 sf
UPPER LEVEL						
104 EXISTING KITCHEN 105 EXISTING LIVING 109 STAIR	(102) (EW2) (EW3)	238 sf	23.8 sf	39.0 sf	11.9 sf	29.0 sf

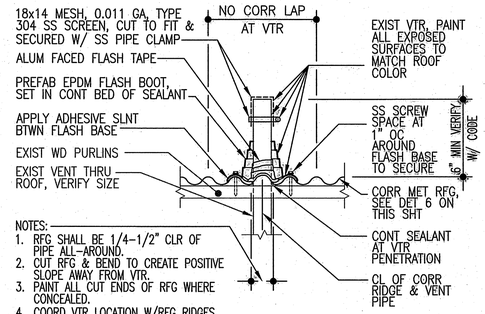


PLAN

(1) NEW FLASHING AT EXISTING VTR

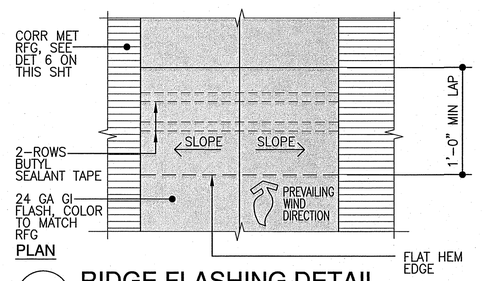
SCALE 1 1/2" = 1'-0"

0 2" 4" 8" 12"
SCALE IN INCH



NOTES:
1. RFG SHALL BE 1/4-1/2" CLR OF PIPE ALL-AROUND.
2. CUT RFG & BEND TO CREATE POSITIVE SLOPE AWAY FROM VTR.
3. PAINT ALL CUT ENDS OF RFG WHERE CONCEALED.
4. COORD VTR LOCATION W/RFG RIDGES AT ALL TIMES, ADJUST AS NECESSARY.

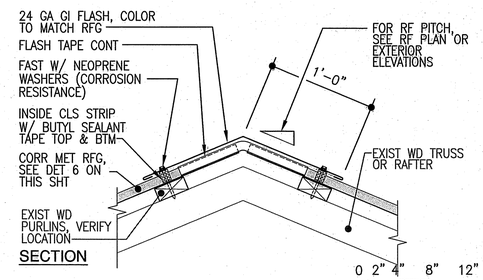
SECTION



PLAN

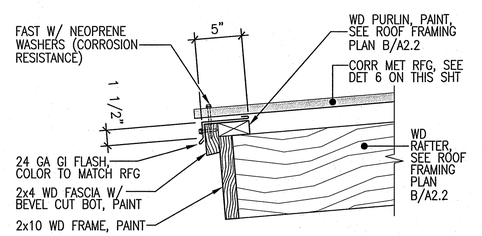
(2) RIDGE FLASHING DETAIL

SCALE 1 1/2" = 1'-0"



SECTION

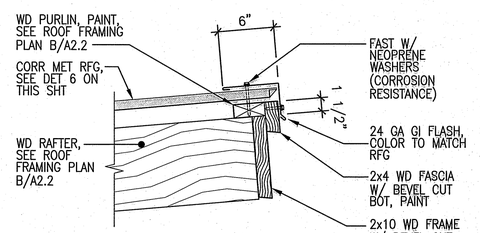
0 2" 4" 8" 12"
SCALE IN INCH



(3) EAVE FLASHING DETAIL

SCALE 1 1/2" = 1'-0"

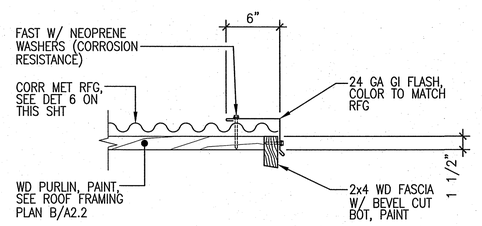
0 2" 4" 8" 12"
SCALE IN INCH



(4) PEAK FLASHING DETAIL

SCALE 1 1/2" = 1'-0"

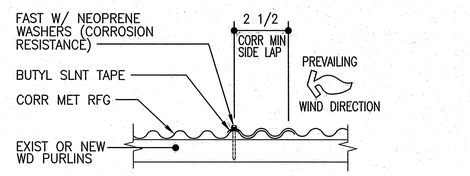
0 2" 4" 8" 12"
SCALE IN INCH



(5) RAKE FLASHING DETAIL

SCALE 1 1/2" = 1'-0"

0 2" 4" 8" 12"
SCALE IN INCH



(6) TYPICAL CORRUGATED DETAIL

NOT TO SCALE

No	DATE	DWG	CHK'	REVISIONS

PRINTS TO

DATE:

This work was prepared by me or under my supervision and I attest that the work shall be under my observation.

WESLEY R. SEGAWA, LICENSED PROFESSIONAL ENGINEER, No. 5916-S, HAWAII, U.S.A.
Exp. 04/30/2016

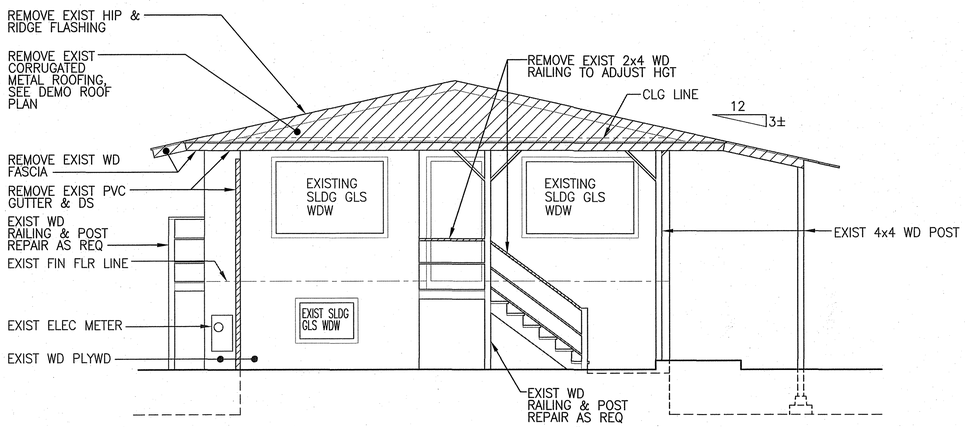
WRSA
Wesley R. Segawa and Associates, Inc.
Committed to Quality Performance & Value
1121 Alakea Street, Suite 1210, Honolulu, Hawaii 96813
Telephone: (808) 533-3131 Fax: (808) 533-3191

job title: DHHL KEAUKAHA LOT 58B 2 BEDROOM HOUSE REPAIR
TMK: (3) 2-1-021:072

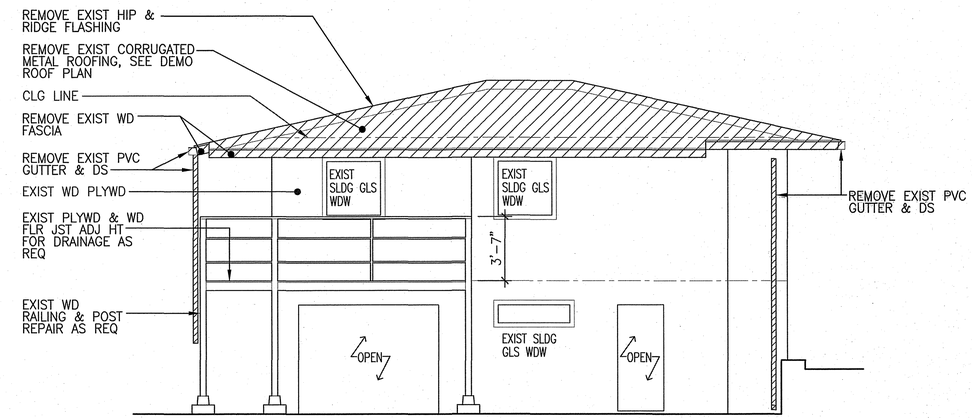
sheet title: DOOR & WINDOW SCHEDULE LIGHT & VENTILATION REQUIREMENT

DESIGN BY:	WRS
DRAWN BY:	KK
CHECKED BY:	WRS
APPROVED BY:	
DATE:	APRIL 2015
SCALE:	AS NOTED
FILE No.	WR 302.44

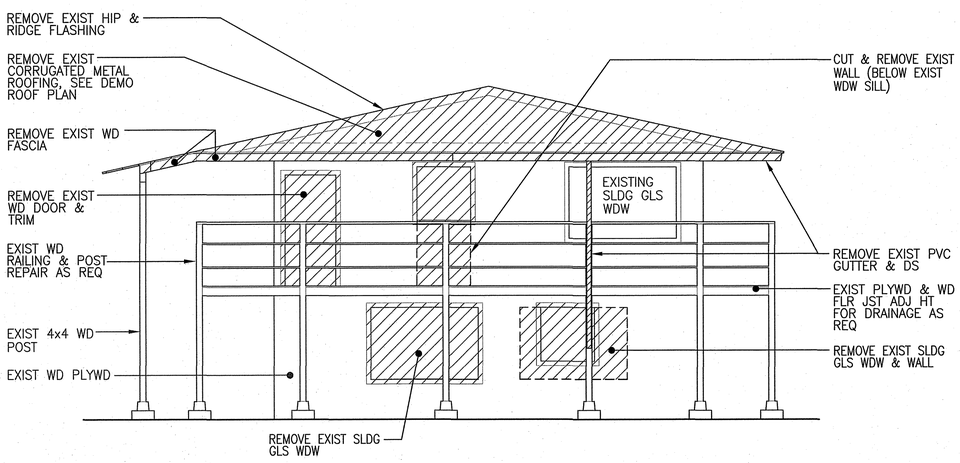
DRAWING No.
A2.3



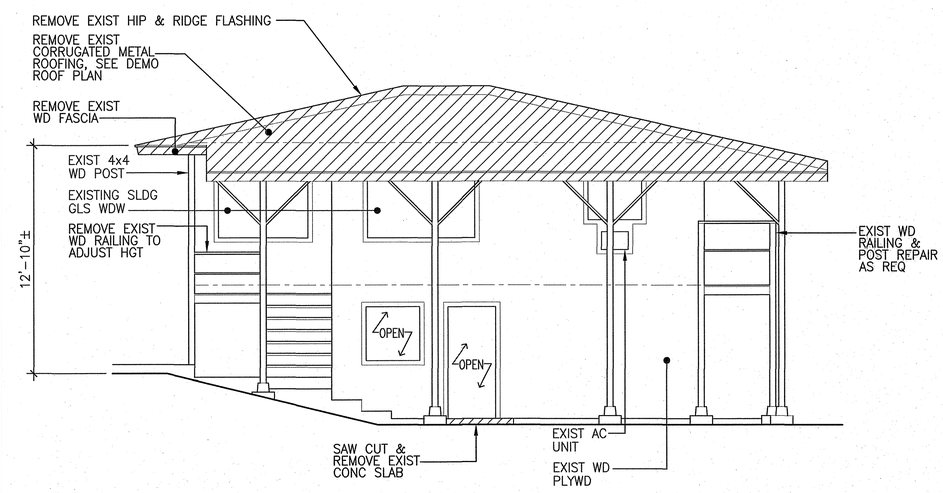
A EXISTING / DEMOLITION EXTERIOR ELEVATION / FRONT
SCALE 1/4" = 1'-0"
0 1' 2' 4' 6'
SCALE IN FEET



B EXISTING / DEMOLITION EXTERIOR ELEVATION / LEFT SIDE
SCALE 1/4" = 1'-0"
0 1' 2' 4' 6'
SCALE IN FEET



C EXISTING / DEMOLITION EXTERIOR ELEVATION / REAR
SCALE 1/4" = 1'-0"
0 1' 2' 4' 6'
SCALE IN FEET



D EXISTING / DEMOLITION EXTERIOR ELEVATION / RIGHT SIDE
SCALE 1/4" = 1'-0"
0 1' 2' 4' 6'
SCALE IN FEET

LEGEND

REMOVE

GEN NOTES:

1. CONTRACTOR SHALL PREP ALL SURFACES TO BE PAINTER
2. INSPECT ALL EXISTING WOOD SIDING, RAFTER, ETC....REPAIR OR REPLACE ANY DAMAGED, TERMITE OR ROTTING PRIOR TO NEW WORK

No	DATE	DWG	CHK	REVISIONS
△				
△				
△				

PRINTS TO

This work was prepared by me or under my supervision and construction of this project will be under my observation.

WESLEY R. SEGAWA LICENSED PROFESSIONAL ENGINEER No. 5116-S HAWAII U.S.A.

Exp. 04/30/2016

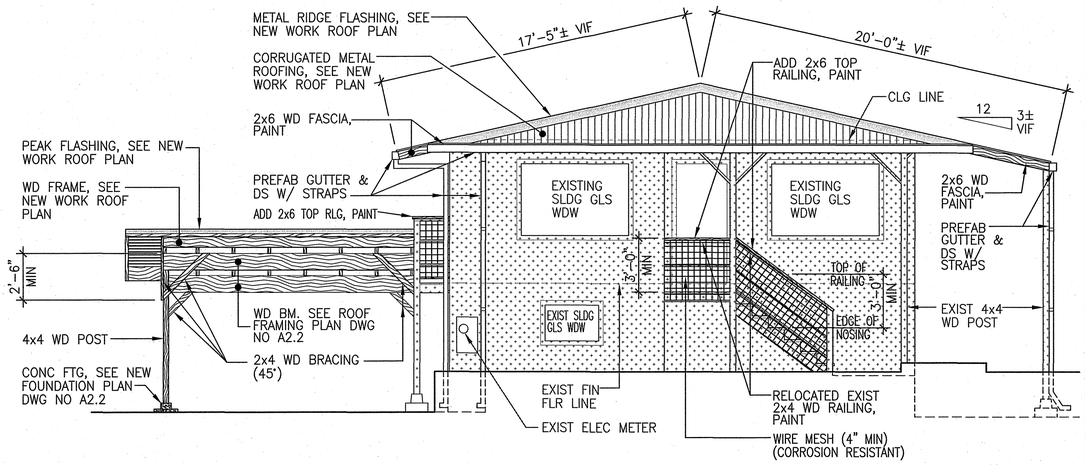
WRSA
Wesley R. Segawa and Associates, Inc.
Committed to Quality Performance & Value

job title: DHHL KEAUKAHA LOT 58B 2 BEDROOM HOUSE REPAIR
TMK: (3) 2-1-021:072

sheet title: EXISTING / DEMOLITION EXTERIOR ELEVATIONS

DESIGN BY:	WRS
DRAWN BY:	KK
CHECKED BY:	WRS
APPROVED BY:	
DATE:	APRIL 2015
SCALE:	AS NOTED
FILE No.	W1302.44

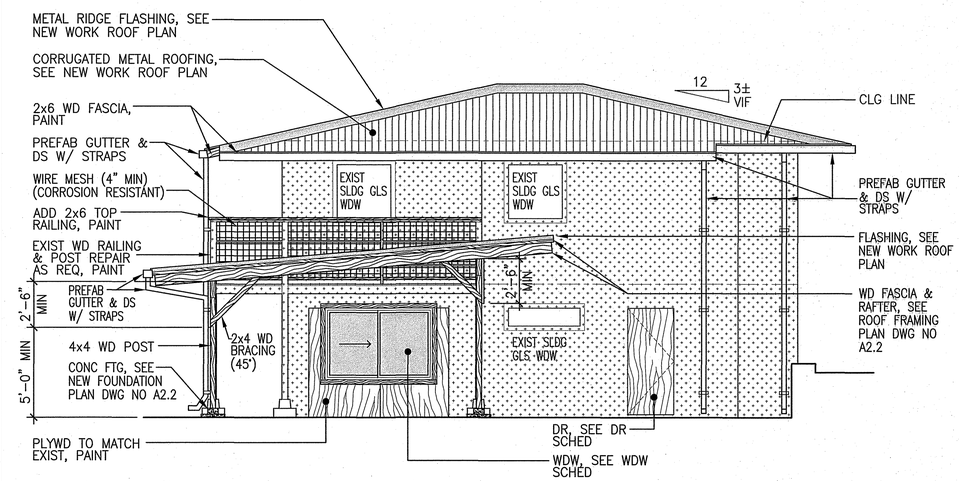
DRAWING No.
A3.1



A EXISTING / NEW WORK EXTERIOR ELEVATION / FRONT

SCALE 1/4" = 1'-0"

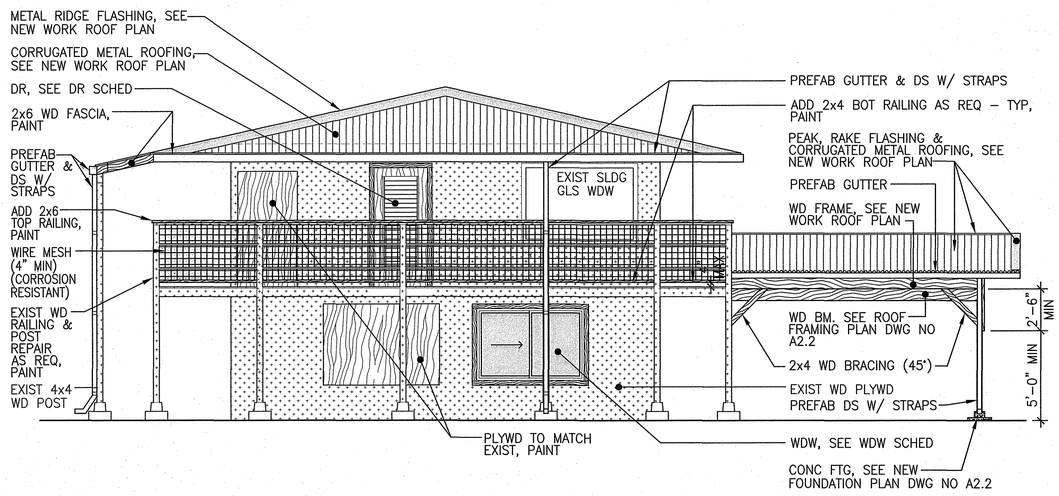
0 1' 2' 4' 6'
SCALE IN FEET



B EXISTING / NEW WORK EXTERIOR ELEVATION / LEFT SIDE

SCALE 1/4" = 1'-0"

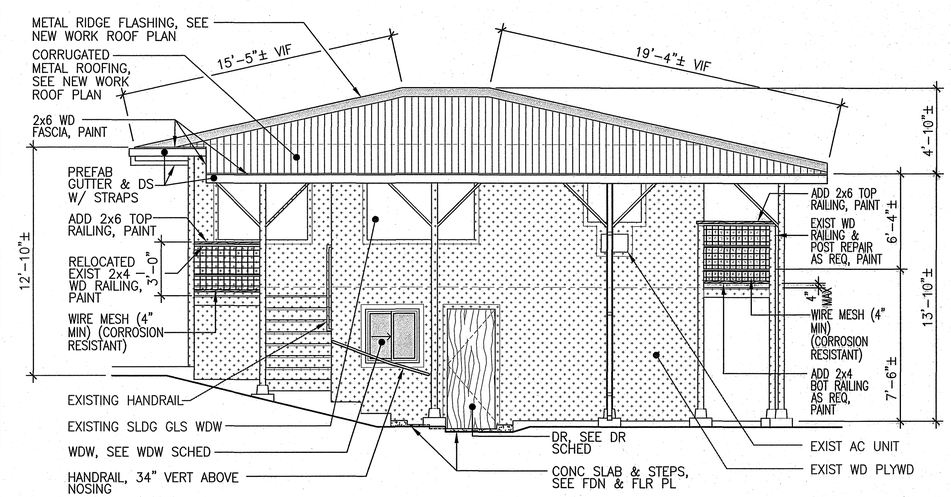
0 1' 2' 4' 6'
SCALE IN FEET



C EXISTING / NEW WORK EXTERIOR ELEVATION / REAR

SCALE 1/4" = 1'-0"

0 1' 2' 4' 6'
SCALE IN FEET



D EXISTING / NEW WORK EXTERIOR ELEVATION / RIGHT SIDE

SCALE 1/4" = 1'-0"

0 1' 2' 4' 6'
SCALE IN FEET

LEGEND

CORRUGATED METAL ROOFING

FLASHING

REPAINT THE ENTIRE BUILDNG

No	DATE	DWG	CHK	REVISIONS

PRINTS TO

DATE:

This work was prepared by me or under my supervision and I certify that this project will be under my observation.

Wesley R. Segawa

WESLEY R. SEGAWA, LICENSED PROFESSIONAL ENGINEER, STATE OF HAWAII, No. 5185-S, Exp. 04/30/2015

WRS
Wesley R. Segawa and Associates, Inc.
Civil & Structural Engineers
Committed to Quality Performance & Value
100 Cities Street, Suite 201 Wailuku, Maui, Hawaii 96793
Telephone: (808) 242-8877 Fax: (808) 242-8879

job title: DHHL KEAUKAHA LOT 58B 2 BEDROOM HOUSE REPAIR

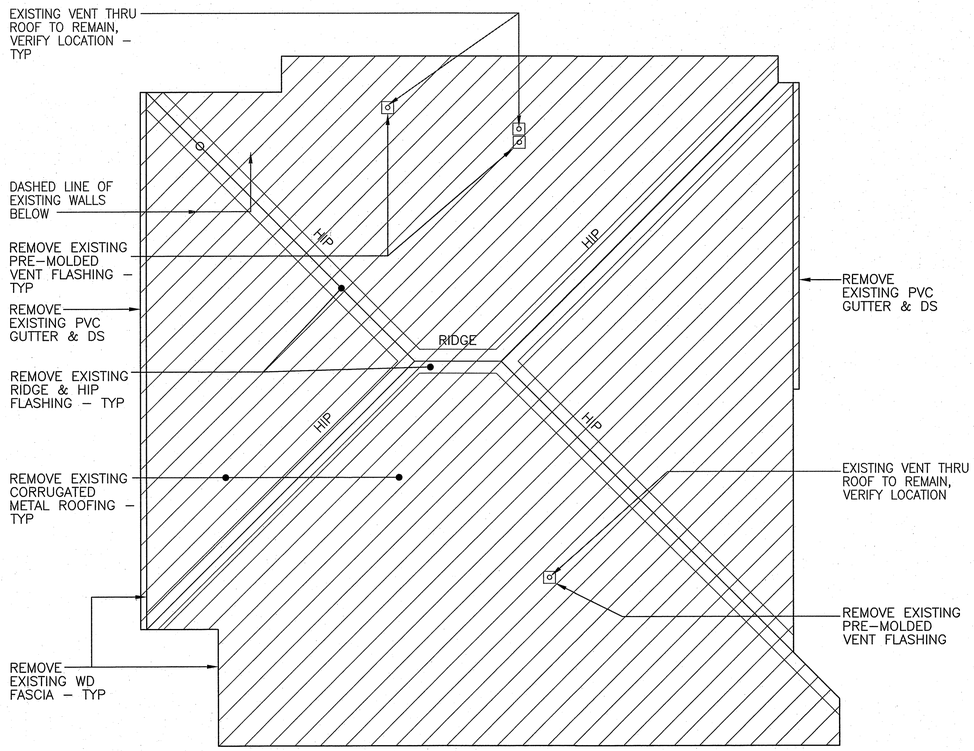
TMK: (3) 2-1-021:072

sheet title: EXISTING / NEW WORK EXTERIOR ELEVATIONS

DESIGN BY:	WRS
DRAWN BY:	KK
CHECKED BY:	WRS
APPROVED BY:	
DATE:	APRIL 2015
SCALE:	AS NOTED
FILE No.	W1302.44

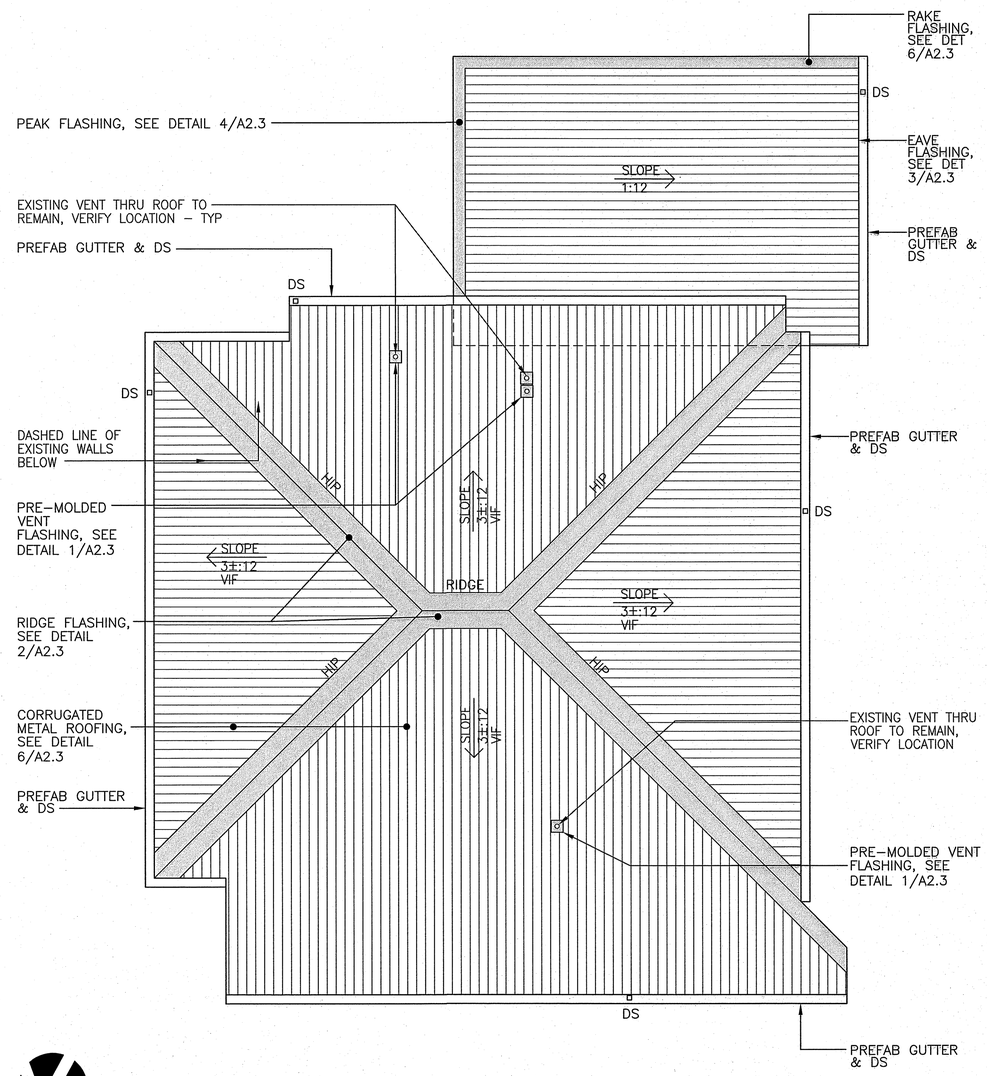
DRAWING No.

A3.2



A EXISTING / DEMOLITION ROOF PLAN
SCALE 1/4" = 1'-0"

0 1' 2' 4' 6'
SCALE IN FEET



B EXISTING / NEW WORK ROOF PLAN
SCALE 1/4" = 1'-0"

0 1' 2' 4' 6'
SCALE IN FEET

No	DATE	DWG	CHK	REVISIONS

DATE | PRINTS TO

This work was prepared by me or under my supervision and construction of this project will be under my observation.

WESLEY R. SEGAWA
LICENSED PROFESSIONAL ENGINEER
No. 5116-S
HAWAII U.S.A.
Exp. 04/30/2016

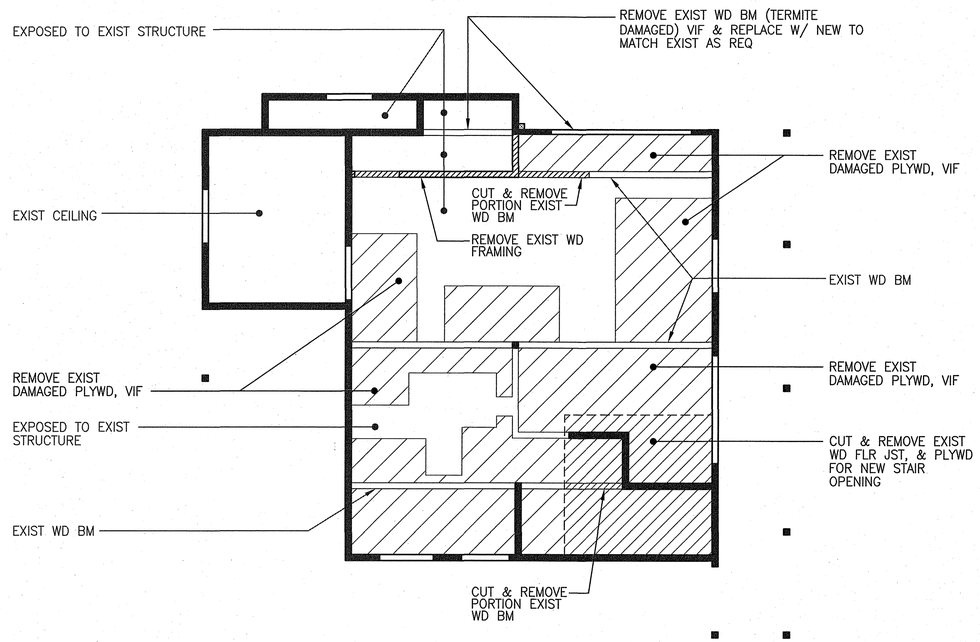
WRSA
Wesley R. Segawa and Associates, Inc.
Committed to Quality Performance & Value
Civil & Structural Engineers
101 Silva Street, Suite 201 Hilo, Hawaii 96720-5755
Telephone: (808) 935-0577 Fax: (808) 935-2070

job title: DHHL KEAUKAHA LOT 58B
2 BEDROOM HOUSE REPAIR
TMK: (3) 2-1-021:072

sheet title: EXISTING / DEMOLITION / NEW WORK ROOF PLAN

DESIGN BY:	WRS
DRAWN BY:	KK
CHECKED BY:	WRS
APPROVED BY:	
DATE:	APRIL 2015
SCALE:	AS NOTED
FILE No.	W1302.44

DRAWING No.
A4.1

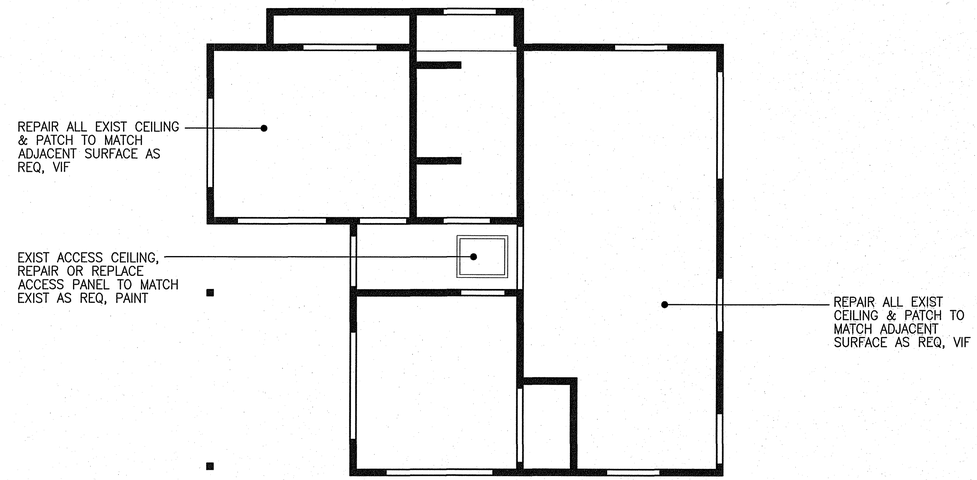


NORTH

A EXISTING / DEMOLITION REFLECTED CEILING PLAN / BASEMENT LEVEL

SCALE 1/4" = 1'-0"

0 1' 2' 4' 6'
SCALE IN FEET



B EXISTING / DEMOLITION REFLECTED CEILING / UPPER LEVEL

SCALE 1/4" = 1'-0"

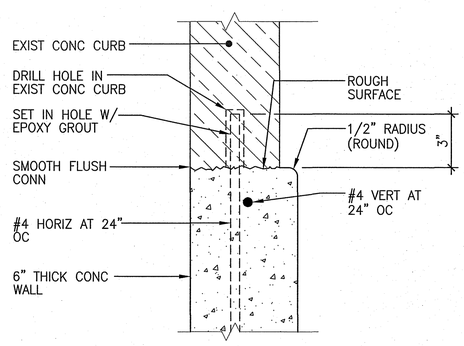
0 1' 2' 4' 6'
SCALE IN FEET

LEGEND

REMOVE

GEN NOTES:

1. CONTRACTOR SHALL PREP ALL SURFACES TO BE PAINTER
2. INSPECT ALL EXISTING WOOD SIDING, RAFTER, ETC....REPAIR OR REPLACE ANY DAMAGED, TERMITE OR ROTTING PRIOR TO NEW WORK

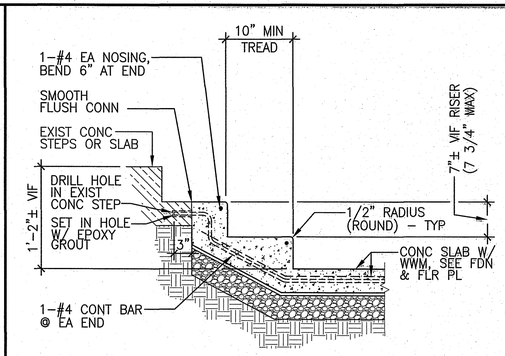


1 PLAN SECTION

SCALE 3" = 1'-0"

0 1" 2" 4" 6"
SCALE IN INCH

2 NOT USED



3 CONC STEPS DETAIL

SCALE 1" = 1'-0"

0 2" 6" 12" 18"
SCALE IN INCH

No	DATE	DWG	CHK	REVISIONS
△				
△				
△				

DATE	PRINTS TO

This work was prepared by me or under my supervision and consists of sheets which will be under my observation.

WESLEY R. SEGAWA LICENSED PROFESSIONAL ENGINEER No. 5148-S HAWAII

Exp. 04/30/2015

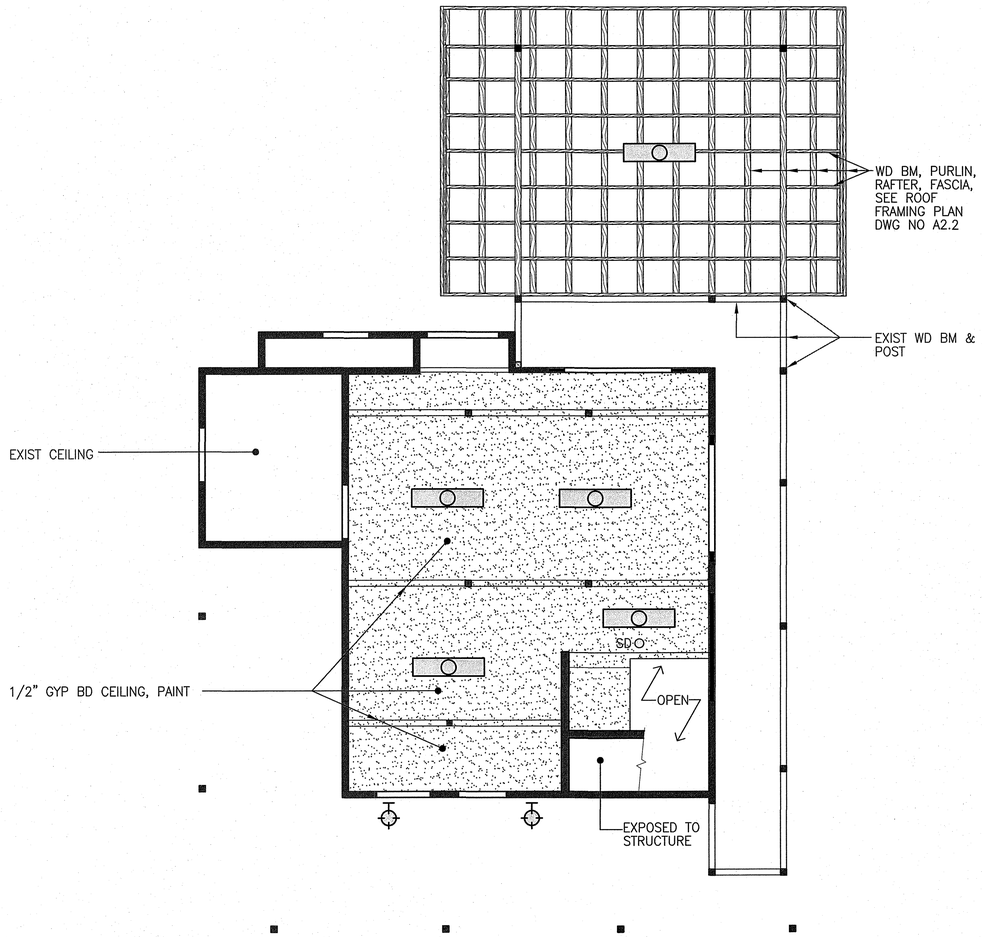
WRSA
Wesley R. Segawa and Associates, Inc.
Committed to quality performance & value
Civil & Structural Engineers
1001 Bishop Street, Suite 2560 Pauahi Tower, Honolulu, Hawaii 96813
Telephone: (808) 528-0077 Fax: (808) 528-0079

job title: DHHL KEAUKAHA LOT 58B 2 BEDROOM HOUSE REPAIR
TMK: (3) 2-1-021:072

sheet title: EXISTING / DEMOLITION REFLECTED CEILING PLAN / BASEMENT & UPPER LEVEL

DESIGN BY:	WRS
DRAWN BY:	KK
CHECKED BY:	WRS
APPROVED BY:	
DATE:	APRIL 2015
SCALE:	AS NOTED
FILE No.	WI 392.44

DRAWING No.
A5.1

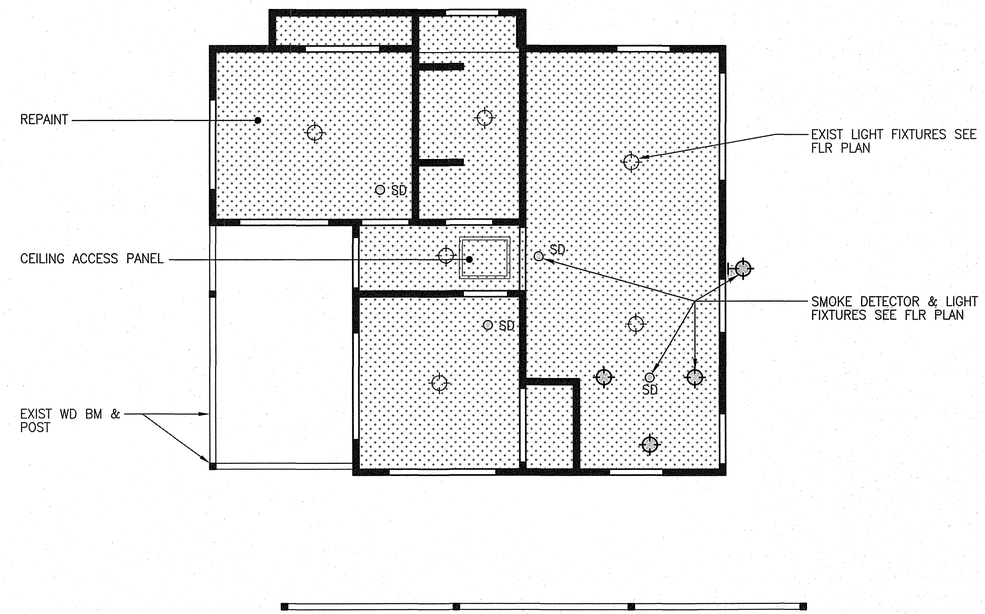


NORTH

A EXISTING / NEW WORK REFLECTED CEILING PLAN / BASEMENT LEVEL

SCALE 1/4" = 1'-0"

0 1' 2' 4' 6'
SCALE IN FEET



B EXISTING / NEW WORK REFLECTED CEILING / UPPER LEVEL

SCALE 1/4" = 1'-0"

0 1' 2' 4' 6'
SCALE IN FEET

LEGEND

1/2" GYP BD CEILING, PAINT

REPAINT

No	DATE	DWG	CHK	REVISIONS
△				
△				
△				

DATE	PRINTS TO

This work was prepared by me or under my supervision and construction of this project will be under my observation.

WESLEY R. SEGAWA LICENSED PROFESSIONAL ENGINEER No. 5195-S HAWAII U.S.A.

Exp. 04/30/2016

Wesley R. Segawa and Associates, Inc.

Civil & Structural Engineers
Committed to Quality Performance & Value
1132 Bishop Street, Suite 2011 Pauahi Tower HI 96813-2816
Telephone: (808) 523-2377 Fax: (808) 523-2376

job title: DHHL KEAUKAHA LOT 58B 2 BEDROOM HOUSE REPAIR

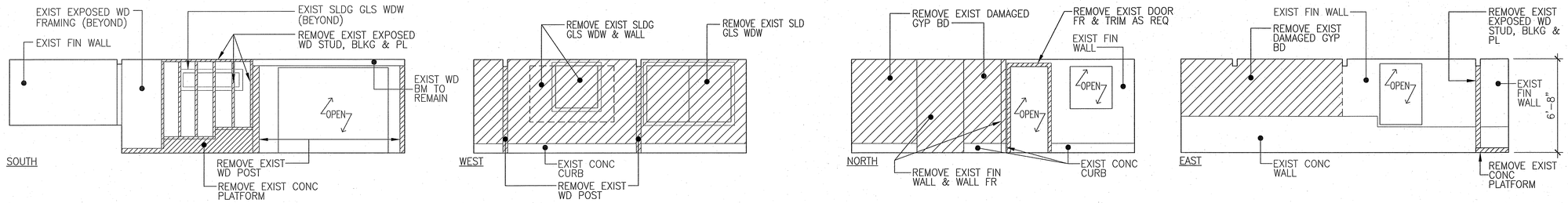
TMK: (3) 2-1-021:072

sheet title: EXISTING / NEW WORK REFLECTED CEILING PLAN / BASEMENT & UPPER LEVEL

DESIGN BY:	WRS
DRAWN BY:	KK
CHECKED BY:	WRS
APPROVED BY:	
DATE:	APRIL 2015
SCALE:	AS NOTED
FILE No.	W1303.44

DRAWING No.

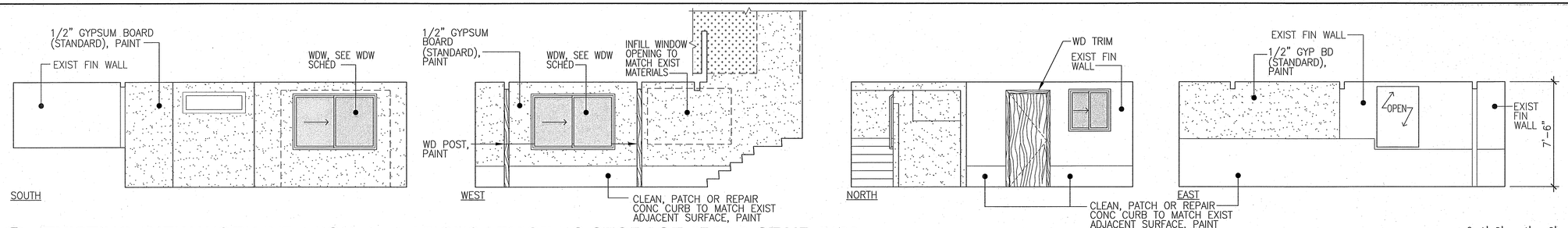
A5.2



A EXISTING / DEMOLITION INTERIOR ELEVATIONS / EXISTING STORAGE #B02

SCALE 1/4" = 1'-0"

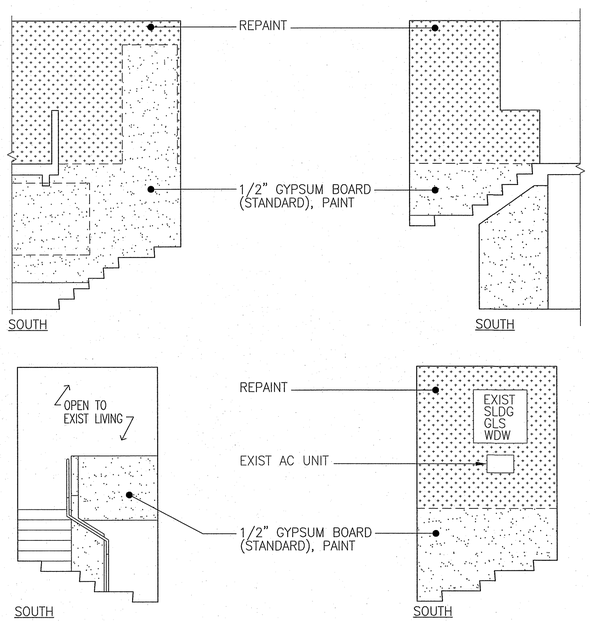
0 1' 2' 4' 6'
SCALE IN FEET



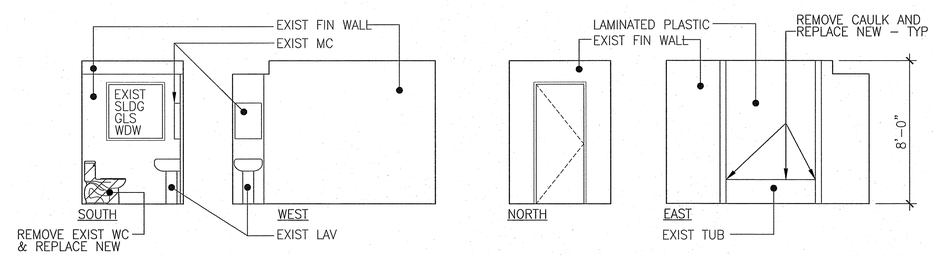
B EXISTING / NEW WORK INTERIOR ELEVATIONS / EXISTING STORAGE #B02 & STAIR #109

SCALE 1/4" = 1'-0"

0 1' 2' 4' 6'
SCALE IN FEET



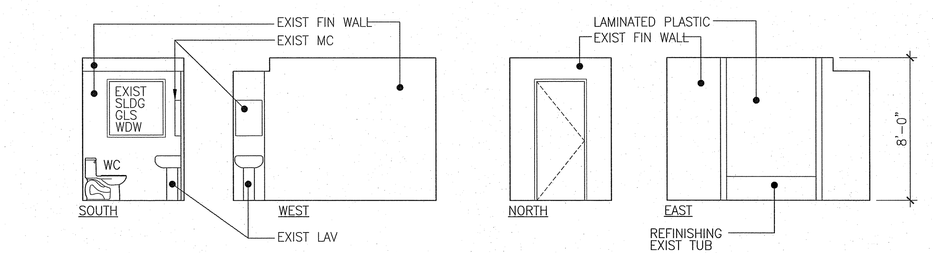
C EXISTING / NEW WORK INT ELEV / STAIR #109



D EXISTING / DEMO INT ELEV / EXIST BATHRM #103

SCALE 1/4" = 1'-0"

0 1' 2' 4'
SCALE IN FT



E EXISTING / NEW WORK INT ELEV / EXIST BATHRM #103

SCALE 1/4" = 1'-0"

0 1' 2' 4'
SCALE IN FT

LEGEND

REMOVE

GYP BD & PAINT

REPAINT

No	DATE	DWG	CHK	REVISIONS

PRINTS TO

DATE

This work was prepared by me or under my supervision and construction of this project will be under my observation.

WESLEY R. SEGAWA LICENSED PROFESSIONAL ENGINEER No. 5116-S HAWAII U.S.A. Exp. 04/30/2016

Wesley R. Segawa & Assoc., Inc.

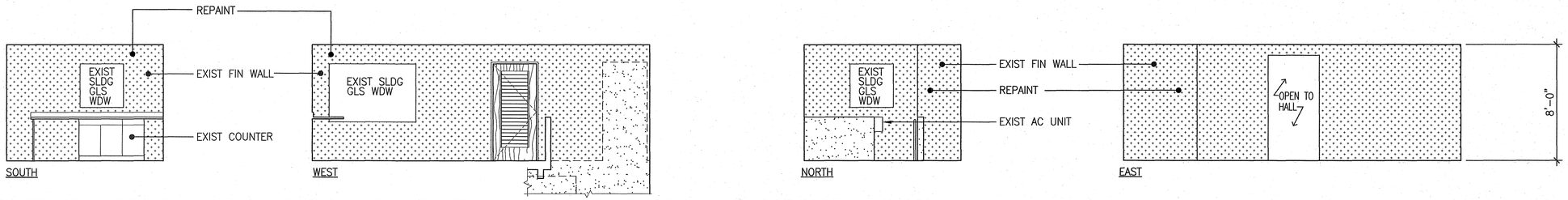
WRSA
Wesley R. Segawa and Associates, Inc.
Committed to Quality Performance & Value
Civil & Structural Engineers
101 Sites Street, Suite 201 Wailuku, Hawaii 96793-4755
Telephone: (808) 935-4577 Fax: (808) 935-2070

job title: DHHL KEAUKAHA LOT 58B 2 BEDROOM HOUSE REPAIR
TMK: (3) 2-1-021:072

sheet title: EXISTING / DEOLITION / NEW WORK INTERIOR ELEVATIONS

DESIGN BY:	WRS
DRAWN BY:	KK
CHECKED BY:	WRS
APPROVED BY:	
DATE:	APRIL 2015
SCALE:	AS NOTED
FILE No.	W1302.44

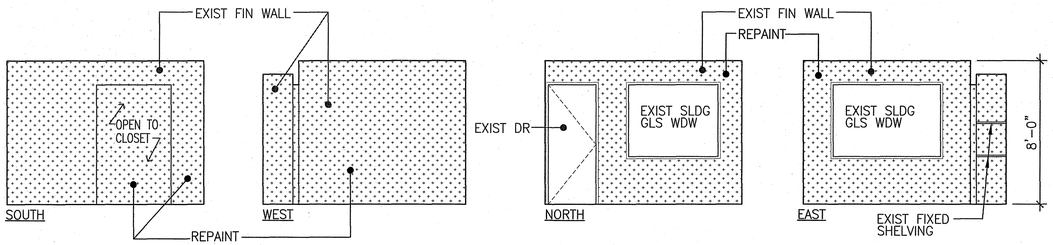
DRAWING No.
A6.1



A EXISTING INTERIOR ELEVATIONS / EXISTING KITCHEN #104, EXISTING LIVING #105 & STAIR #109

SCALE 1/4" = 1'-0"

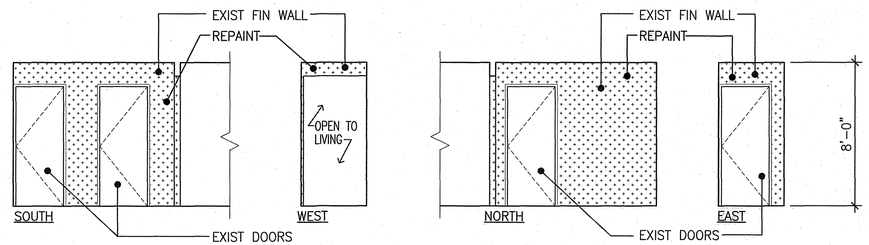
0 1' 2' 4' 6'
SCALE IN FEET



B EXISTING INTERIOR ELEVATIONS / EXISTING BEDROOM 1 #102

SCALE 1/4" = 1'-0"

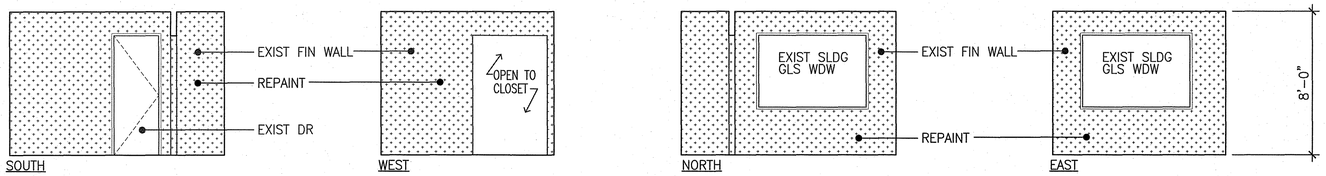
0 1' 2' 4'
SCALE IN FT



C EXISTING INTERIOR ELEVATIONS / EXISTING HALL #101

SCALE 1/4" = 1'-0"

0 1' 2' 4'
SCALE IN FT



D EXISTING INTERIOR ELEVATIONS / EXISTING BEDROOM 2 #106

SCALE 1/4" = 1'-0"

0 1' 2' 4'
SCALE IN FT

LEGEND

REPAINT

GYP BD & PAINT

No	DATE	DWG	CHK	REVISIONS

PRINTS TO

DATE

This work was prepared by me or under my supervision and construction of this project will be under my observation.

WESLEY R. SEGAWA LICENSED PROFESSIONAL ENGINEER No. 5166-S HAWAII U.S.A.

Exp. 04/30/2016

Wesley R. Segawa & Assoc., Inc.

WRSA

Wesley R. Segawa and Associates, Inc.
Committed to Quality Performance & Value

Cost & Structural Engineers
100 Sirius Street, Suite 201 Mills, Hawaii 96720-5755
Telephone: (808) 935-9577 Fax: (808) 935-2070

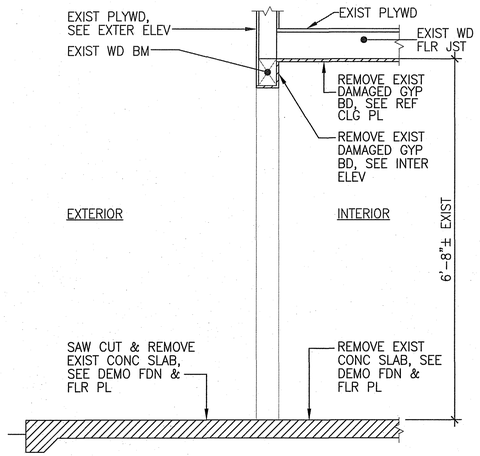
job title: DHHL KEAUKAHA LOT 58B
2 BEDROOM HOUSE REPAIR
TMK: (3) 2-1-021:072

sheet title: EXISTING / DEMOLITION / NEW WORK
INTERIOR ELEVATIONS

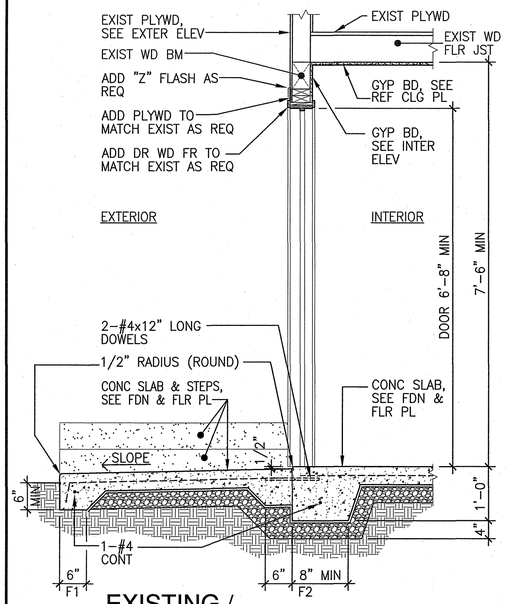
DESIGN BY:	WRS
DRAWN BY:	KK
CHECKED BY:	WRS
APPROVED BY:	
DATE:	APRIL 2016
SCALE:	AS NOTED
FILE No.	W1302.44

DRAWING No.

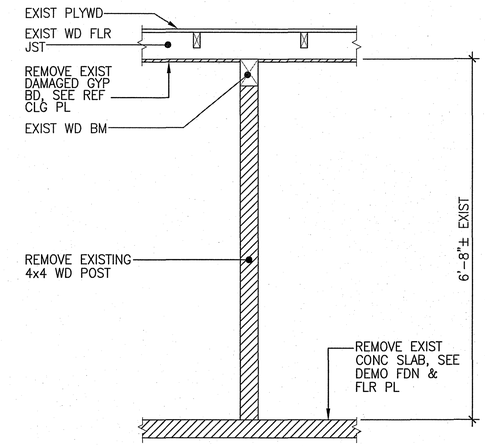
A6.2



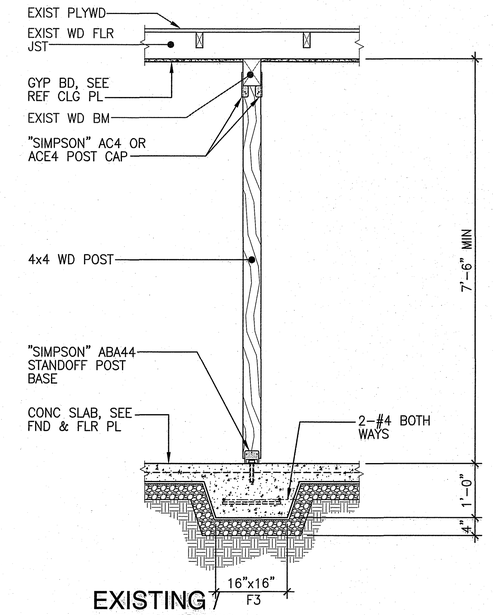
1a EXISTING / DEMOLITION WALL SECTION
SCALE 3/4" = 1'-0"
0 4" 8" 12" 24" SCALE IN INCH



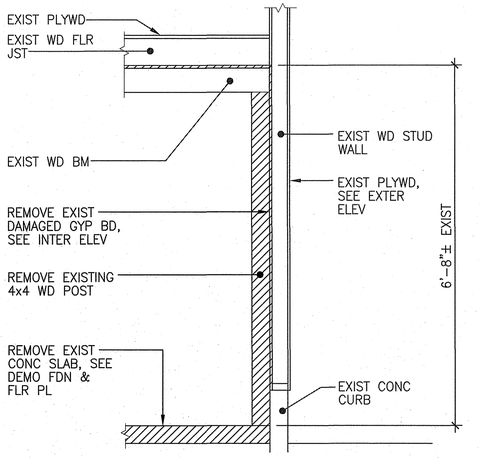
1b EXISTING / NEW WORK WALL SECTION
SCALE 3/4" = 1'-0"
0 4" 8" 12" 24" SCALE IN INCH



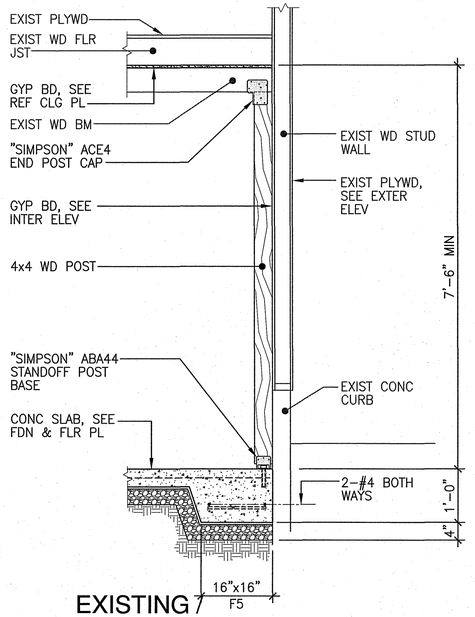
2a EXISTING / DEMOLITION WALL SECTION
SCALE 3/4" = 1'-0"
0 4" 8" 12" 24" SCALE IN INCH



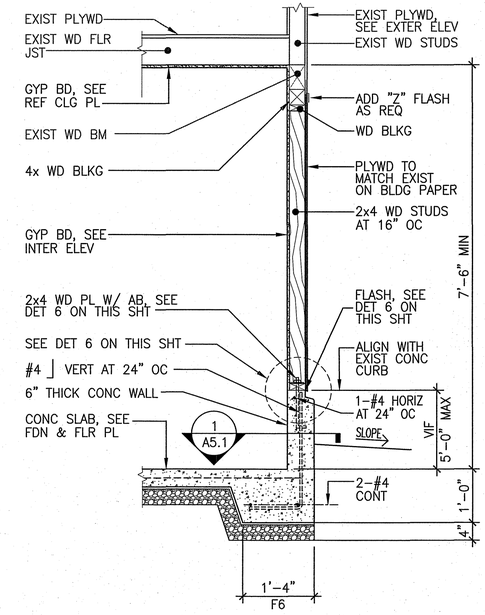
2b EXISTING / NEW WORK WALL SECTION
SCALE 3/4" = 1'-0"
0 4" 8" 12" 24" SCALE IN INCH



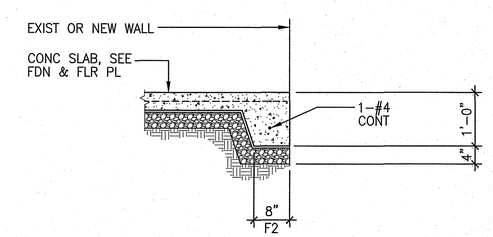
3a EXISTING / DEMOLITION WALL SECTION
SCALE 3/4" = 1'-0"
0 4" 8" 12" 24" SCALE IN INCH



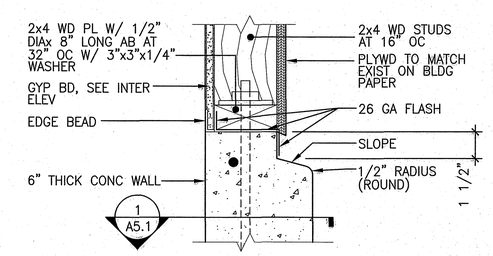
3b EXISTING / NEW WORK WALL SECTION
SCALE 3/4" = 1'-0"
0 4" 8" 12" 24" SCALE IN INCH



4 WALL SECTION
SCALE 3/4" = 1'-0"
0 4" 8" 12" 24" SCALE IN INCH



5 FOOTING DETAIL
SCALE 3/4" = 1'-0"
0 4" 8" 12" 24" SCALE IN INCH



6 DETAIL
SCALE 3" = 1'-0"
0 1" 2" 4" 6" SCALE IN INCH

No	DATE	DWG	CHK	REVISIONS

DATE	PRINTS TO

This work was prepared by me or under my supervision and construction of this project will be under my observation.

Wesley R. Segawa
Wesley R. Segawa & Associates, Inc.

R. SEGAWA LICENSED PROFESSIONAL ENGINEER No. 5166-S HAWAII U.S.A. WESLEY
Exp. 04/30/2016

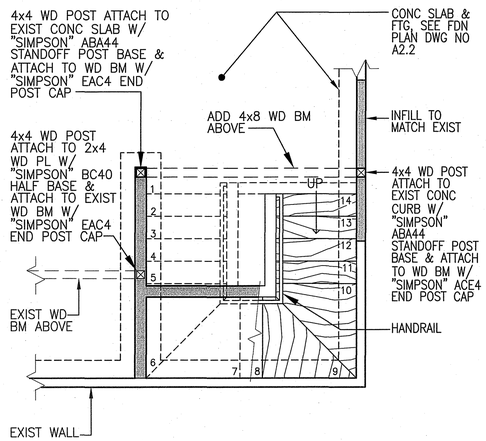
WRSA
Wesley R. Segawa and Associates, Inc.
Committed to Quality Performance & Value
Civil & Structural Engineers
1132 Bishop Street, Suite 2011 Pauahi Tower
Honolulu, Hawaii 96813
Telephone: (808) 526-2577 Fax: (808) 526-2576

job title: DHHL KEAUKAHA LOT 58B 2 BEDROOM HOUSE REPAIR
TMK: (3) 2-1-021: 072

sheet title: WALL SECTION, DETAILS

DESIGN BY:	WRS
DRAWN BY:	MK
CHECKED BY:	WRS
APPROVED BY:	
DATE:	APRIL 2015
SCALE:	AS NOTED
FILE No.	WI 302.44

DRAWING No.
A7.1

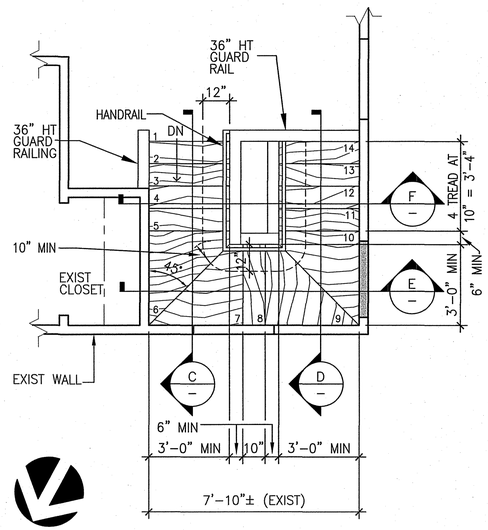


NORTH

A STAIR DETAIL / BASEMENT LEVEL

SCALE 3/8" = 1'-0"

0.5' 1' 2' 4' SCALE IN FEET

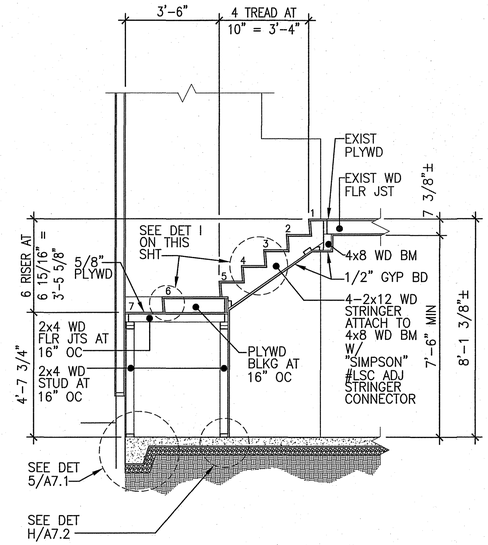


NORTH

B STAIR DETAIL / UPPER LEVEL

SCALE 3/8" = 1'-0"

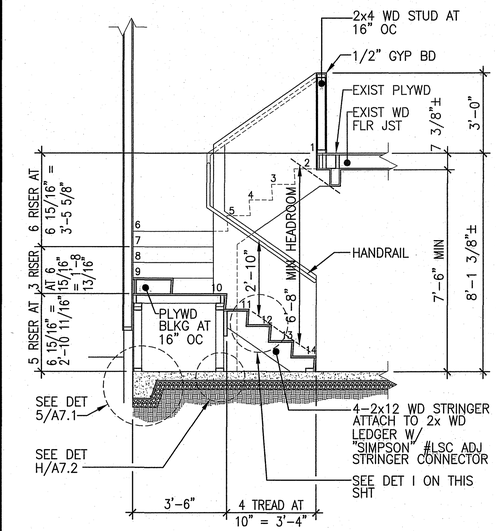
0.5' 1' 2' 4' SCALE IN FEET



C SECTION

SCALE 3/8" = 1'-0"

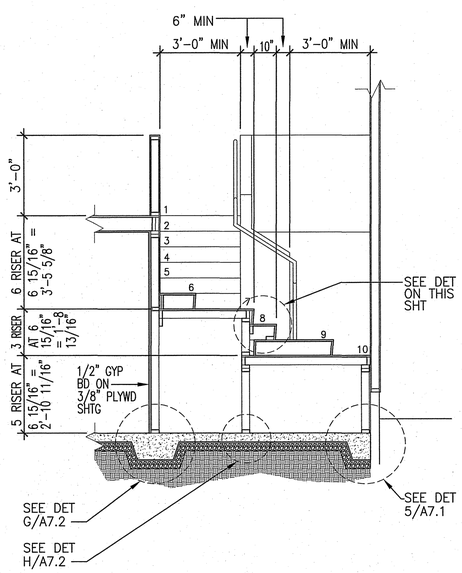
0.5' 1' 2' 4' SCALE IN FEET



D SECTION

SCALE 3/8" = 1'-0"

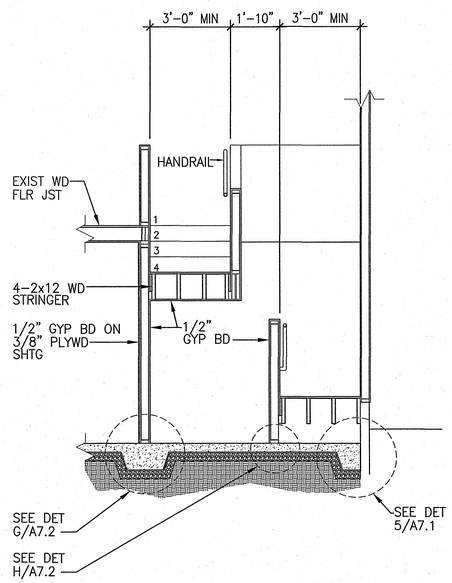
0.5' 1' 2' 4' SCALE IN FEET



E SECTION

SCALE 3/8" = 1'-0"

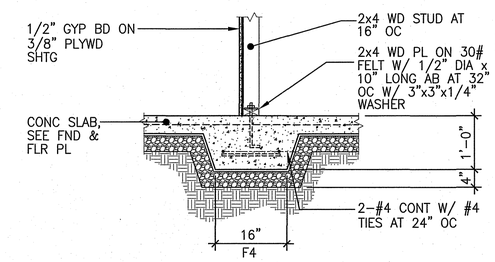
0.5' 1' 2' 4' SCALE IN FEET



F SECTION

SCALE 3/8" = 1'-0"

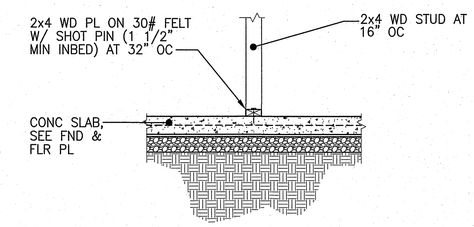
0.5' 1' 2' 4' SCALE IN FEET



G FOOTING DETAIL

SCALE 3/4" = 1'-0"

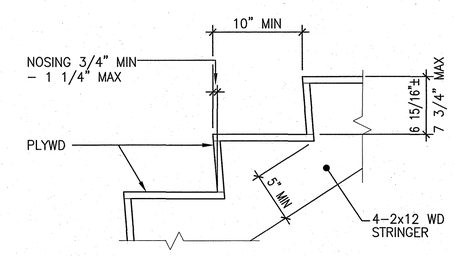
0 4" 8" 12" 24" SCALE IN INCH



H PLATE DETAIL

SCALE 3/4" = 1'-0"

0 4" 8" 12" 24" SCALE IN INCH



I STAIR DETAIL

SCALE 1 1/2" = 1'-0"

0 2" 4" 8" 12" SCALE IN INCH

No	DATE	DWG	CHK	REVISIONS

PRINTS TO

DATE

This work was prepared by me or under my supervision and construction of this project will be under my observation.

WESLEY R. SEGAWA LICENSED PROFESSIONAL ENGINEER No. 5116-S HAWAII U.S.A.

Exp. 04/30/2016

Wesley R. Segawa & Associates, Inc.

WRSA

Wesley R. Segawa and Associates, Inc.
Consultant to Quality Performance & Value
1164 Bishop Street, Suite 2010 Pauahi Tower Honolulu, Hawaii 96813
Telephone: (808) 536-2277 Fax: (808) 536-2279

job title: DHHL KEAUKAHA LOT 58B 2 BEDROOM HOUSE REPAIR

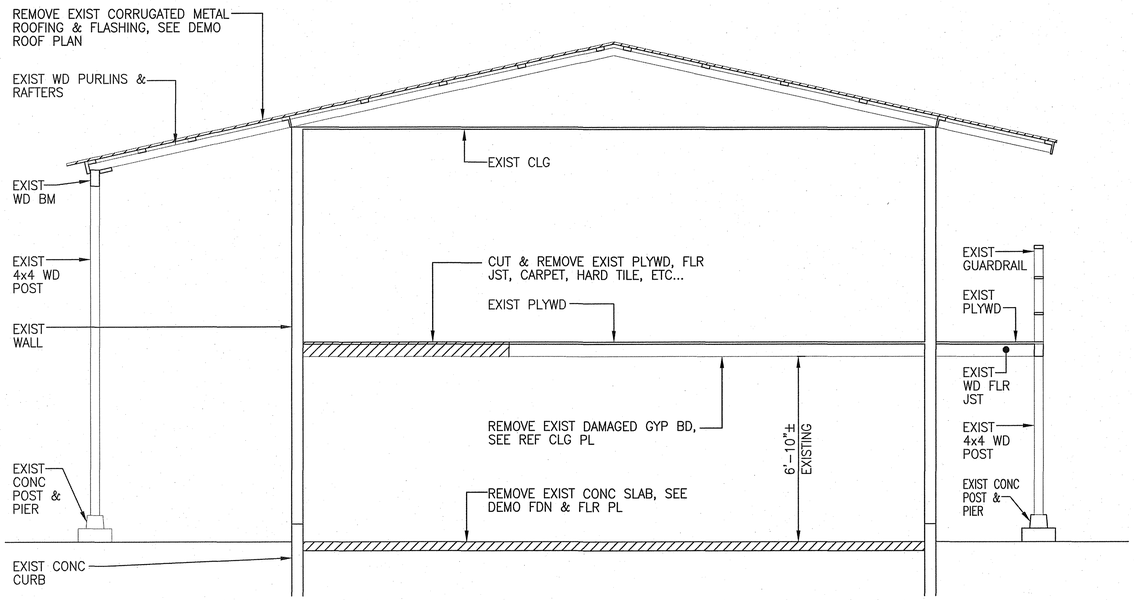
TMK: (3) 2-1-021:072

sheet title: STAIR DETAILS

DESIGN BY:	WRS
DRAWN BY:	KK
CHECKED BY:	WRS
APPROVED BY:	
DATE:	APRIL 2015
SCALE:	AS NOTED
FILE No.	WI 392.44

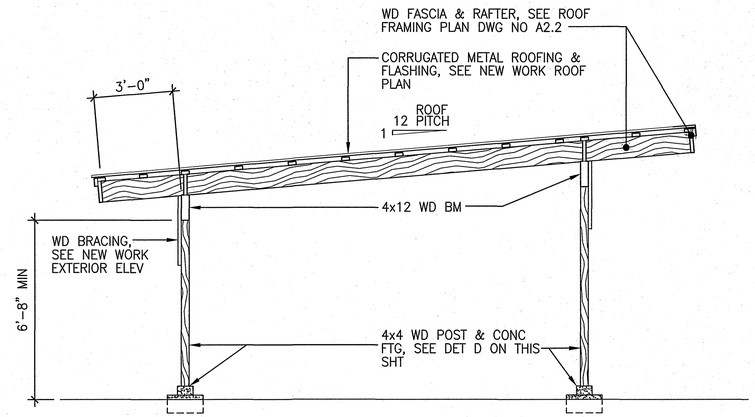
DRAWING No.

A7.2



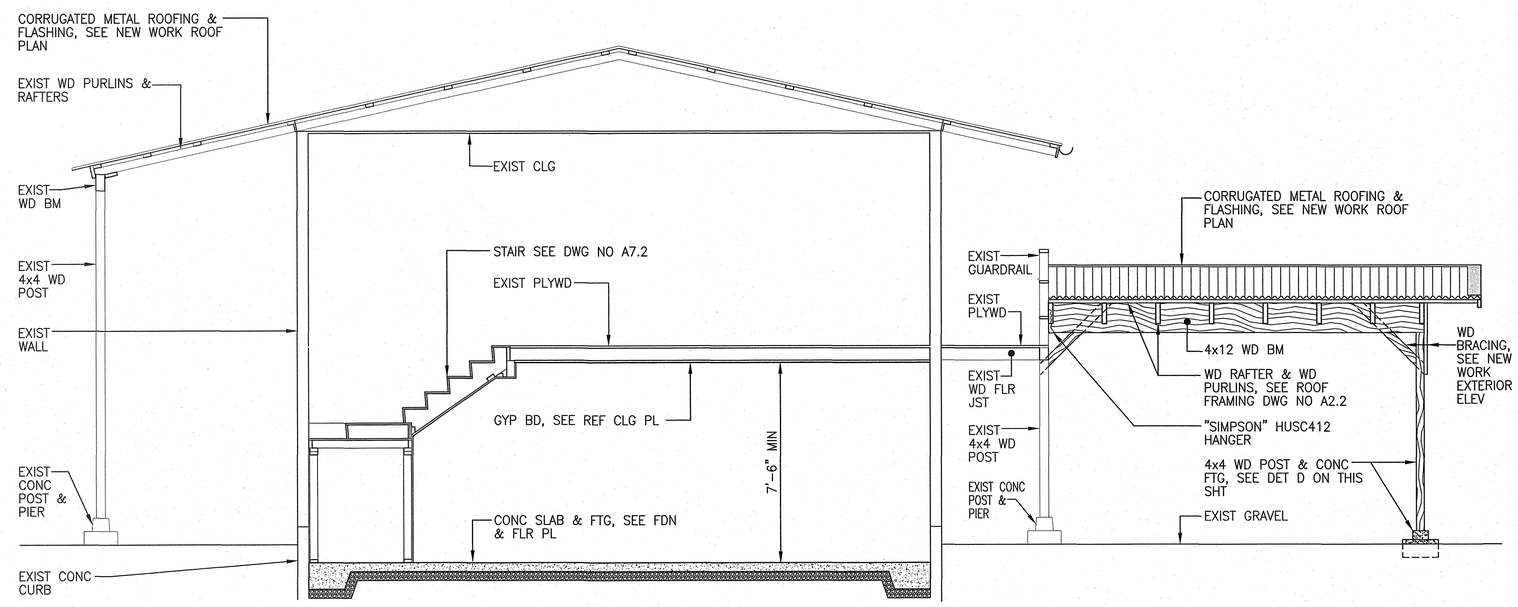
A EXISTING / DEMOLITION SECTION THRU BUILDING
SCALE 3/8" = 1'-0"

0.5' 1' 2' 4'
SCALE IN FEET



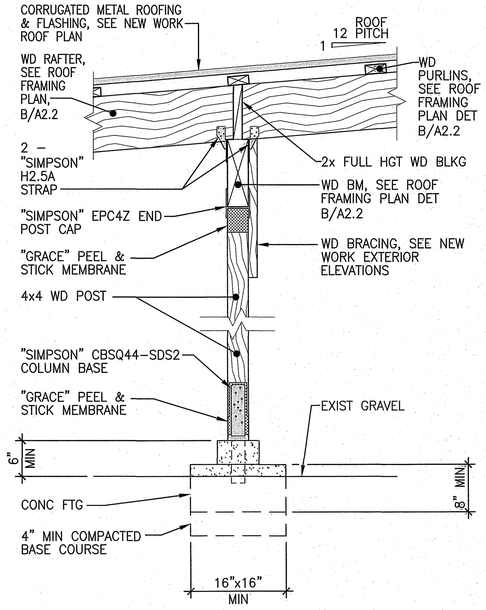
C SECTION THRU BUILDING
SCALE 3/8" = 1'-0"

0.5' 1' 2' 4'
SCALE IN FEET



B EXISTING / NEW WORK SECTION THRU BUILDING
SCALE 3/8" = 1'-0"

0.5' 1' 2' 4'
SCALE IN FEET



D DETAIL
SCALE 1" = 1'-0"

0 2" 6" 12"
SCALE IN INCH

No	DATE	DWG	CHK	REVISIONS
△				
△				
△				

PRINTS TO

DATE	

This work was prepared by me or under my supervision, and construction of this project will be under my observation.

WESLEY R. SEGAWA LICENSED PROFESSIONAL ENGINEER No. 5165-S HAWAII

Exp. 04/30/2016

WRSA
Wesley R. Segawa and Associates, Inc.
Committed to Quality Performance & Value
Civil & Structural Engineers
801 Gilman Street, Suite 201 Ely, Nevada 89301-5705
Telephone: (888) 355-5677 Fax: (888) 355-2878

job title: DHHL KEAUKAHA LOT 58B 2 BEDROOM HOUSE REPAIR
TMK: (3) 2-1-021:072

sheet title: SECTION THRU BUILDING, DETAIL

DESIGN BY:	WRS
DRAWN BY:	MK
CHECKED BY:	WRS
APPROVED BY:	
DATE:	APRIL 2015
SCALE:	AS NOTED
FILE No.	WI 302.4a

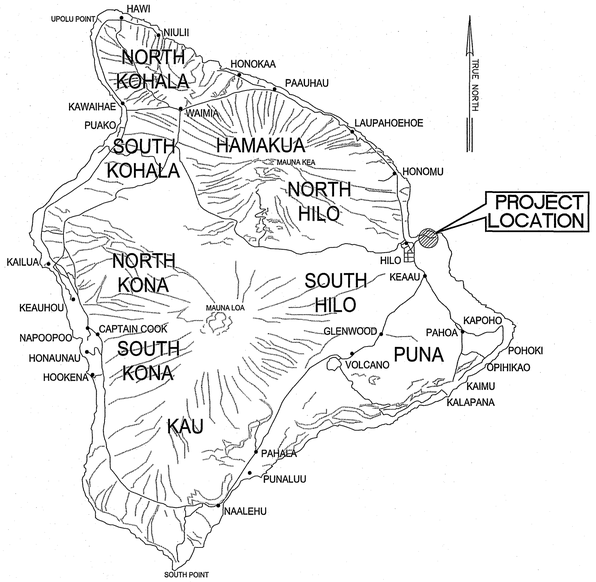
DRAWING No.
A7.3

STATE OF HAWAII
DEPARTMENT OF HAWAIIAN HOME LANDS
IFB-16-HHL-005

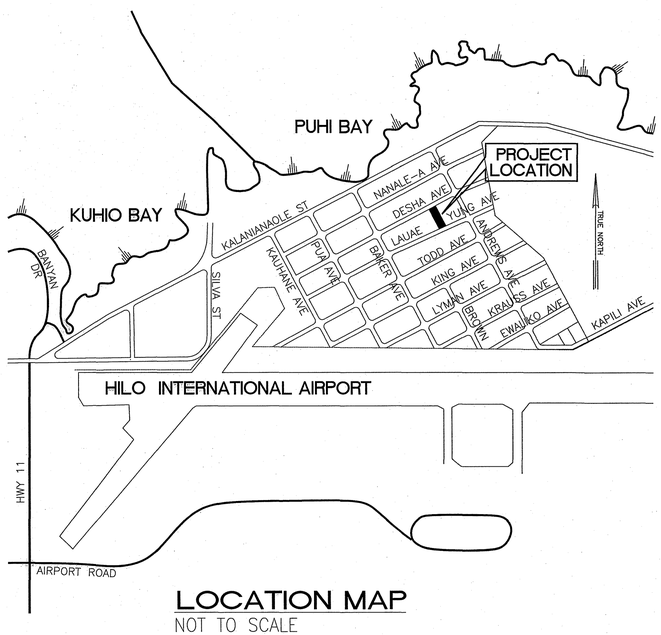
3 BEDROOM HOUSE RENOVATION
LOT 131-A-3

WAIAKEA, SOUTH HILO,
ISLAND OF HAWAII, HAWAII

TAX MAP KEY: (3) 2 - 1 - 021: 010
372 DESHA AVENUE
SUBDIVISION APPLICATION NO: SUB-15-001463



ISLAND OF HAWAII
NOT TO SCALE



LOCATION MAP
NOT TO SCALE

SHEET NO.	DRAWING NO.	DESCRIPTION
		TITLE
1.	TS1	TITLE SHEET, INDEX, MAP
		ARCHITECTURAL
2.	A1.1	EXISTING SITE PLAN
3.	A2.1	EXISTING / DEMOLITION FLOOR PLAN
4.	A2.2	EXISTING / NEW WORK FLOOR PLAN
5.	A3.1	EXISTING / DEMOLITION EXTERIOR ELEVATIONS
6.	A3.2	EXISTING / NEW WORK EXTERIOR ELEVATIONS
7.	A4.1	EXISTING / DEMOLITION / NEW WORK ROOF PLAN, DETAILS
8.	A5.1	REFLECTED CEILING PLAN
9.	A6.1	EXISTING / DEMOLITION INTERIOR ELEVATIONS
10.	A6.2	EXISTING / NEW WORK INTERIOR ELEVATIONS

10 TOTAL SHEET

APPROVED BY:

CHAIRMAN, HAWAIIAN HOMES COMMISSION
STATE OF HAWAII

No.	DATE	DWG.	CHK.	REVISIONS

PRINTS TO

DATE

This work was prepared by me or under my supervision and construction of this project will be under my observation.

WESLEY R. SEGAWA LICENSED PROFESSIONAL ENGINEER No. 5116-S HAWAII U.S.A.
Exp. 04/30/2016

Wesley R. Segawa & Assoc., Inc.

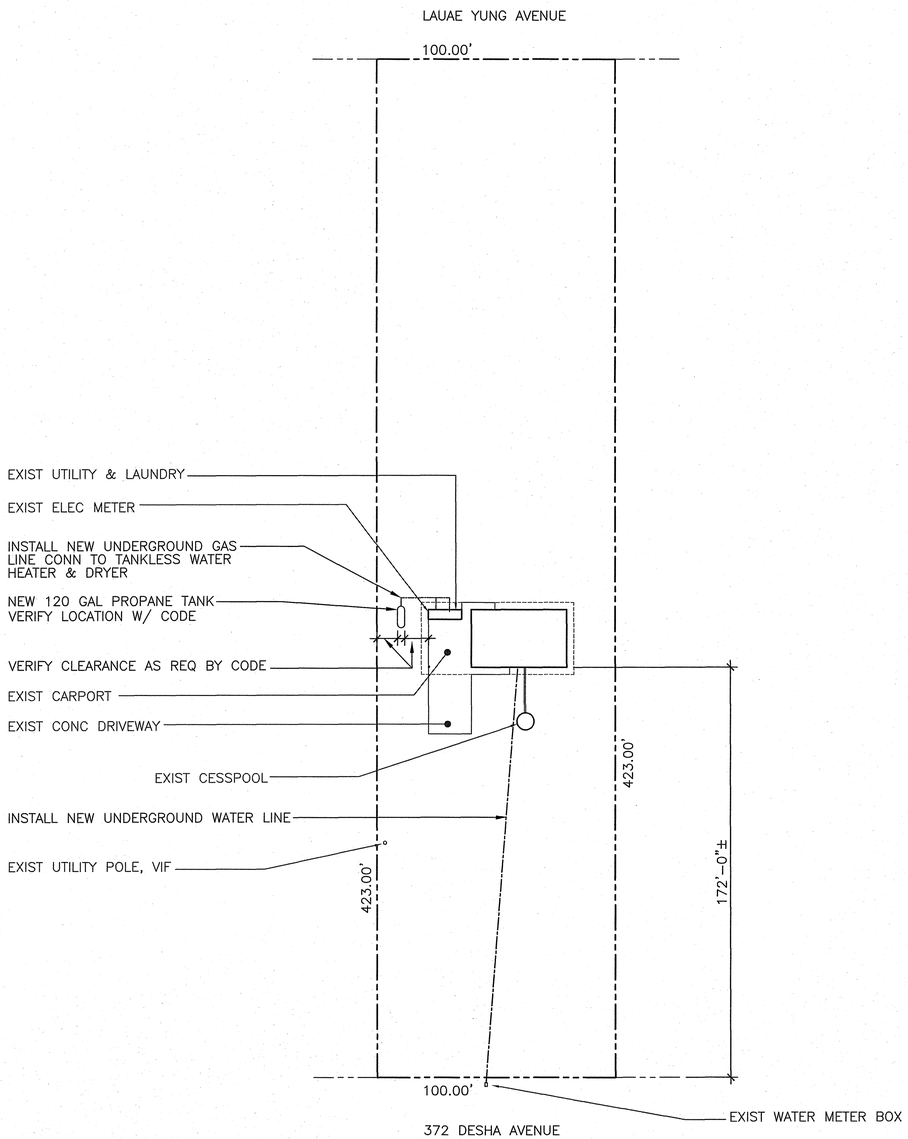
WRSA
Wesley R. Segawa and Associates, Inc.
Committed to Quality Performance & Value
Civil & Structural Engineers
101 Silva Street, Suite 201 Hilo, Hawaii 96720-4755
Telephone: (808) 935-4677 Fax: (808) 935-2070

Project Title: DHHL KEAUKAHA LOT 131-A-3
3 BEDROOM HOUSE REPAIR
TMK: (3) 2-1-021: 010

Sheet Title: TITLE SHEET, INDEX MAP, APPROVED BY

DESIGN BY: WRS
DRAWN BY: KK
CHECKED BY: WRS
APPROVED BY: DL
DATE: 2015
SCALE: AS NOTED
FILE No. W1303.43

DRAWING No.
TS1



A EXISTING SITE PLAN

SCALE 1" = 30'

0 10' 20' 30' 50'
SCALE IN FEET

ARCHITECTURAL ABBREVIATIONS

&	and
@	at
	degree
	pound / number

A

AB	Anchor Bolt
ADJ	Adjustable
ADJA	Adjacent
ALUM	Aluminum
APPROX	Approximate

B

BD	Board
BLDG	Building
BLK	Block
BLKG	Blocking
BM	Beam
BOT	Bottom
BR	Bedroom
BRKT	Bracket

C

CAB	Cabinet
CCJ	Crack Control Joint
CHAN	Channel
CI	Cast Iron
CJ	Control Joint
CK	Caulking
CL	Centerline / Clearance / Class / Closet
CLG	Ceiling
CLR	Clear
CLS	Closure
CMU	Concrete Masonry Unit
CNTR	Counter
CO	Cleanout / Cased Opening
COL	Column
CONC	Concrete
CONN	Connection
CONT	Continuous
CONTR	Contractor
CORR	Corridor / Corrugate
CP	Carpet
CR	Closet Rod / Curtain Rod
CT	Ceramic Tile
CTR	Center / Counter
CTSK	Countersunk

D

d	Penny (nails)
DBL	Double
DET	Detail
DIA	Diameter
DIAG	Diagonal
DIM	Dimension
DN	Down
DR	Door
DS	Downspout
DW	Dishwasher
DWG	Drawings
DWR	Drawer

E

EA	Each
EJ	Expansion Joint
EL	Elevation
ELEC	Electrical
EP	Electric Panel
EQ	Equal
EQPT	Equipment
EW	Each Way
EXH	Exhaust
EXIST	Existing
EXP	Expansion
EXT	Exterior

F

FAST	Fastener
FDN	Foundation
FIN	Finish / Finished
FIXT	Fixture
FLASH	Flashing
FLG	Flooring
FLR	Floor
FLUOR	Fluorescent
FO	Face of ...
FOC	Face of Concrete
FOM	Face of Masonry
FOS	Face of Slab / Face of Studs
FR	Frame / Front
FT	Foot / Feet
FTG	Footing
FURR	Furring / Furred
FUT	Future

G

G	Gas / Girder / Gutter
GA	Gage
GAL	Gallon
GALV	Galvanized
GB	Grab Bar
GL	Glass
GLU-LAM	Glued Laminated Wood
GND	Ground

H

HB	Hose Bibb
HC	Hollow Core
HDWD	Hardwood
HDWE	Hardware
HGR	Hanger
HGT	Height
HORIZ	Horizontal
HTR	Heater

I

ID	Inside Diameter (dimension)
IN	Inch
IINSUL	Insulation
INT	Interior

J

JAL	Jalousie
JST	Joist
JT	Joint

K

KIT	Kitchen

L

LAM	Laminate / Laminated
LAV	Lavatory
LOC	Location
LT	Laundry Tray
LTG	Lighting

M

MAX	Maximum
MC	Medicine Cabinet
MECH	Mechanical
MET	Metal
MFR	Manufacture / Manufacturer
MIN	Minimum
MIR	Mirror
MR	Moisture Resistant
MTD	Mounted
MTG	Mounting

N

NIC	Not in Contract
NO	Number
NS	No Scale
NTS	Not To Scale

O

OC	On Center
OBS	Obscure
OD	Outside Diameter (dimension)
OPNG	Opening

P

PL	Plate / Plan
PLAM	Plastic Laminate
PLAS	Plaster
PLBG	Plumbing
PNL	Panel
PR	Pair
PPROP	Property
PRV	Pressure Relief Valve
PSF	Pounds Per Square Foot
PT	Paint / Point
PTN	Partition
PVC	Polyvinyl Chloride

Q

QT	Quarry Tile

R

R	Radius / Riser
RCP	Reflected Ceiling Plan
REBAR	Reinforcing Bar
REFR	Refrigerator
REINF	Reinforced / Reinforcing
REQ	Required
RESIL	Resilient
REV	Revised / Revision
RF	Roof
RFG	Roofing
RH	Robe Hook / Round Head
RLG	Railing
RM	Room

S

S	South
SC	Scale / Solid Core
SCHED	Schedule
SCR	Screen / Shower Curtain Rod
SD	Smoke Detector / Soap Dispenser / Shower Drain
SECT	Section
SF	Square Feet
SH	Shelf
SHR	Shower
SHT	Sheet
SHTG	Sheathing
SIM	Similar
SL	Slope
SLDG	Sliding
SLNT	Sealant
SPEC	Specification
SPKR	Speaker
SPRK	Sprinkler
SQ	Square
SSK	Service Sink
SST	Stainless Steel
STD	Standard
STL	Steel
STOR	Storage
STRL	Structural
STRUC	Structure
SUSP	Suspended
SW	Switch
SYM	Symmetrical

T

T&G	Tongue and Groove
T/S	Tub / Shower
TB	Tower Bar
TEL	Telephone
TFMR	Transformer
THK	Thick / Thickness
THR	Threshold
TLT	Toilet
TV	Television
TYP	Typical

V

VERT	Vertical
VTR	Vent Through Roof
VIF	Verify in the Field

W

W/	With
W/O	Without
WC	Wallcovering / Water Closet
WD	Wood
WDP	Wood Paneling
WDW	Window
WH	Water Heater
WP	Waterproof
WSCT	Wainscot
WWF	Welded Wire Fabric

ARCHITECTURAL REFERENCE SYMBOLS

ELEVATION (EXTERIOR OR INTERIOR)
- LETTER / NUMBER IDENTIFYING ELEVATION
- DRAWING NUMBER ON WHICH ELEVATION IS DRAWN

ELEVATION (INTERIOR)
- W / S / N / E
- 1 / A1
- LETTER / NUMBER IDENTIFYING ELEVATION
- DRAWING NUMBER ON WHICH ELEVATION IS DRAWN
- VIEW LETTER

SECTIONS
- 1 / A1
- LETTER / NUMBER IDENTIFYING SECTION
- DRAWING NUMBER ON WHICH ELEVATION IS DRAWN

ROOM NAME
- LIVING ROOM
- 102
- ROOM NAME
- NUMBER IDENTIFYING ROOM

DRAWING REVISION
- 1
- NUMBER IDENTIFYING SPECIFIC REVISION

DOOR SYMBOL
- 1a
- NUMBER IDENTIFYING DOOR SYMBOL

WINDOW SYMBOL
- A
- LETTER IDENTIFYING WINDOW SYMBOL

DRAWING TITLE
- A
- TITLE LETTER / NUMBER IDENTIFYING DRAWING ON SHEET
- TITLE OF DRAWING
- TITLE
- SCALE 1" = 0'-1"
- SCALE OF DRAWING ON FULL SIZE SHEET

No	DATE	DWG	CHK	REVISIONS

DATE	PRINTS TO

This work was prepared by me or under my supervision and construction of this project will be under my observation.

WESLEY R. SEGAWA LICENSED PROFESSIONAL ENGINEER No. 5168-S HAWAII U.S.A. Exp. 04/30/2016

Wesley R. Segawa & Associates, Inc.

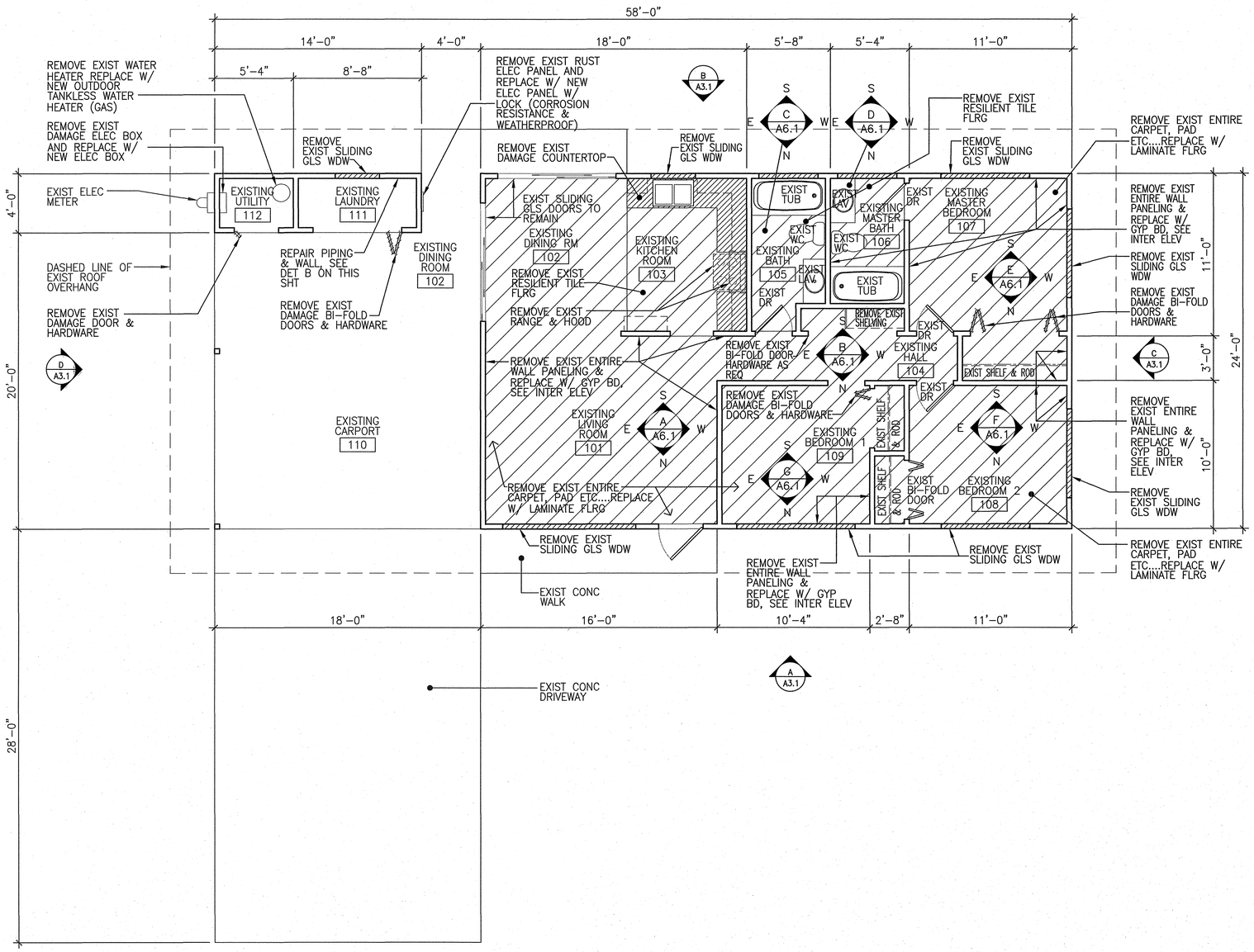
SWRSA
Wesley R. Segawa & Associates, Inc.
Committed to Quality Performance & Value
Civil & Structural Engineers
Land Use, Planning, Surveying
Tel/Fax: (808) 572-2677 Fax: (808) 572-2678

job title: DHHL KEAUKAHA LOT 131A 3 BEDROOM HOUSE REPAIR
TMK: (3) 2-1-021:010

sheet title: EXISTING / SITE PLAN

DESIGN BY:	WRS
DRAWN BY:	MK
CHECKED BY:	WRS
APPROVED BY:	
DATE:	MAY 2015
SCALE:	AS NOTED
FILE No.	W-302.43

DRAWING No.
A1.1

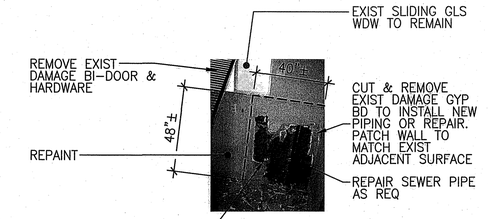


NORTH PLAN NORTH

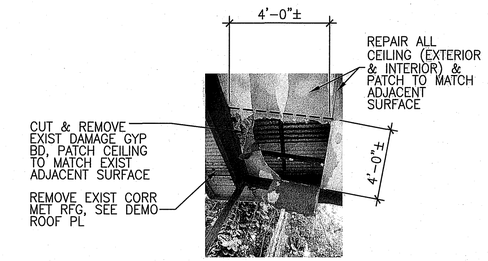
A EXISTING / DEMOLITION FLOOR PLAN

SCALE 1/4" = 1'-0"

0 1' 2' 4' 6'
SCALE IN FEET



B PHOTO / EXIST LAUNDRY #111



B PHOTO / EXIST CARPORT #110

LEGEND

REMOVE

GEN NOTES:

1. CONTRACTOR SHALL PREP ALL SURFACES TO BE PAINTER

No	DATE	DWG CHK	REVISIONS

PRINTS TO

DATE

This work was prepared by me or under my supervision and construction of this project will be under my observation.

Wesley R. Segawa & Associates, Inc.

WESLEY R. SEGAWA LICENSED PROFESSIONAL ENGINEER No. 5168-S HAWAII U.S.A.

Exp. 04/30/2016

WRSA
Wesley R. Segawa and Associates, Inc.
Committed to Quality Performance & Value
Civil & Structural Engineers
1188 Bishop Street, Suite 201 Hon., Hawaii 96813-3305
Telephone: (808) 533-2877 Fax: (808) 533-2876

job title: DHHL KEAUKAHA LOT 131A 3 BEDROOM HOUSE REPAIR

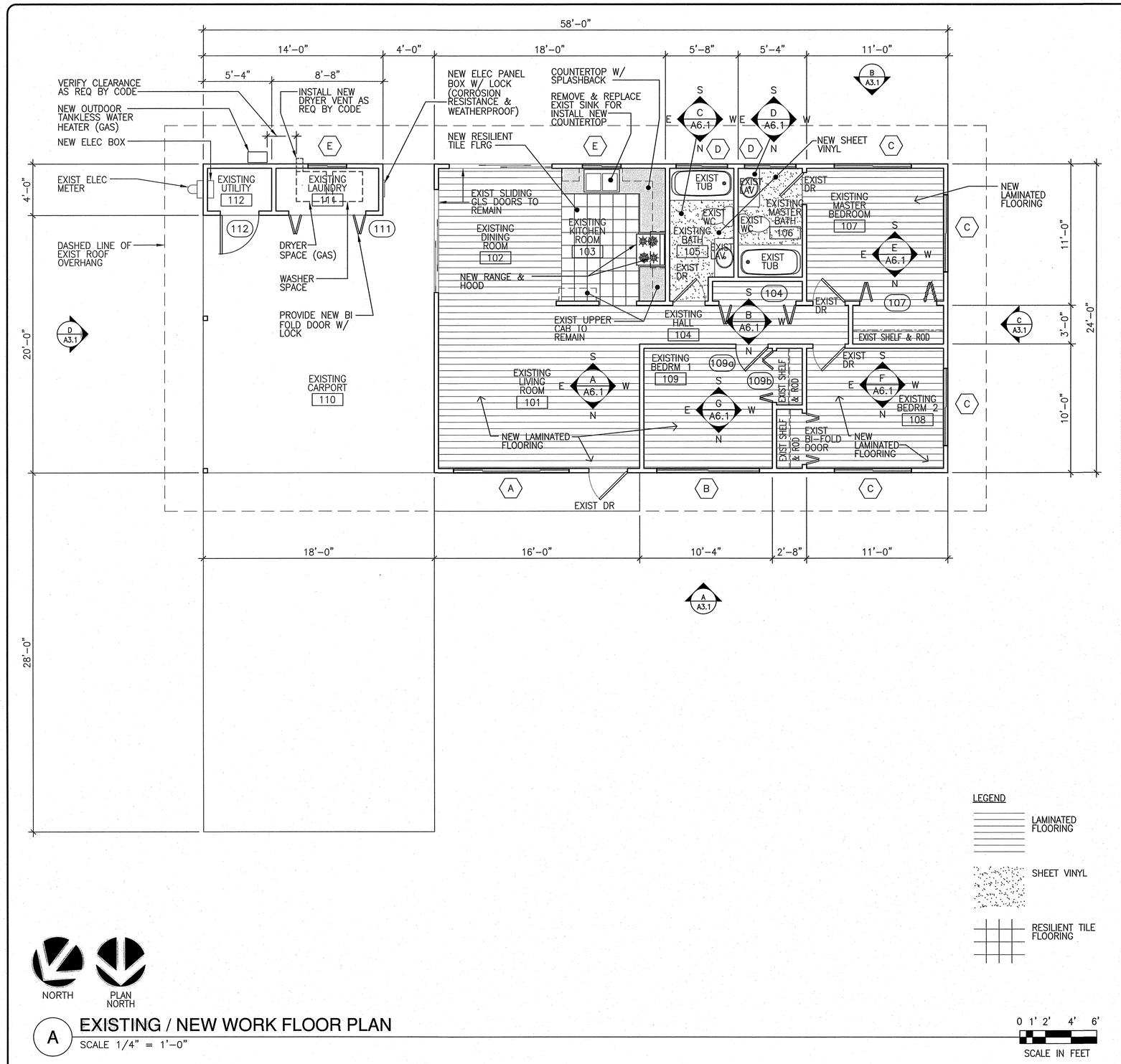
TMK: (3) 2-1-021:010

sheet title: EXISTING / DEMOLITION FLOOR PLAN

DESIGN BY:	WRS
DRAWN BY:	KK
CHECKED BY:	WRS
APPROVED BY:	
DATE:	MAY 2015
SCALE:	AS NOTED
FILE No.	WI 302.45

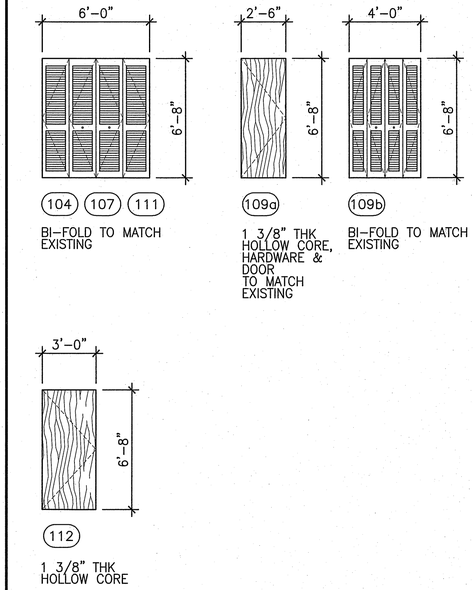
DRAWING No.

A2.1



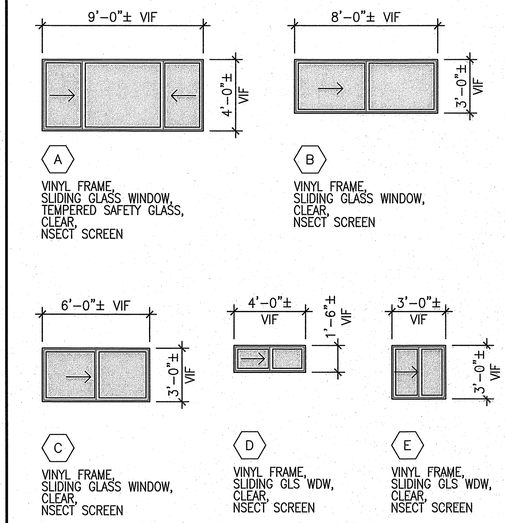
A EXISTING / NEW WORK FLOOR PLAN

SCALE 1/4" = 1'-0"



B DOOR SCHEDULE

NOT TO SCALE



C WINDOW SCHEDULE

NOT TO SCALE

No	DATE	DWG	CHK	REVISIONS

PRINTS TO

This work was prepared by me or under my supervision and construction of this project will be under my observation.

WESLEY R. SEGAWA LICENSED PROFESSIONAL ENGINEER No. 5116-S HAWAII U.S.A.

Exp. 01/30/2016

Wesley R. Segawa & Assoc., Inc.

WRSA

Wesley R. Segawa and Associates, Inc.
Committed to Quality Performance & Value

Civil & Structural Engineers
101 Silva Street, Suite 201 Hilo, Hawaii 96720-1755
Telephone: (808) 935-1677 Fax: (808) 935-2070

job title: DHHL KEAUKAHA LOT 131A 3 BEDROOM HOUSE REPAIR

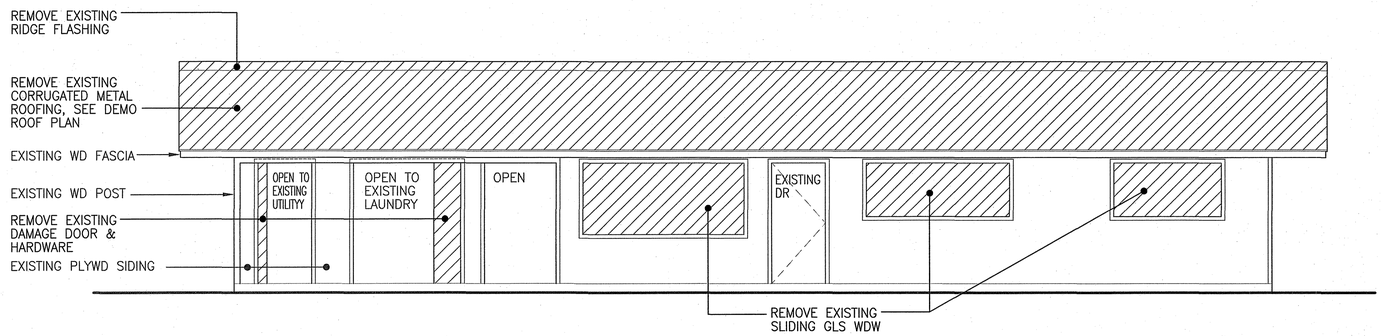
TMK: (3) 2-1-021:010

sheet title: EXISTING / NEW WORK FLOOR PLAN, DOOR SCHEDULE

DESIGN BY:	WRS
DRAWN BY:	KK
CHECKED BY:	WRS
APPROVED BY:	
DATE:	MAY 2015
SCALE:	AS NOTED
FILE No.	WI 302.43

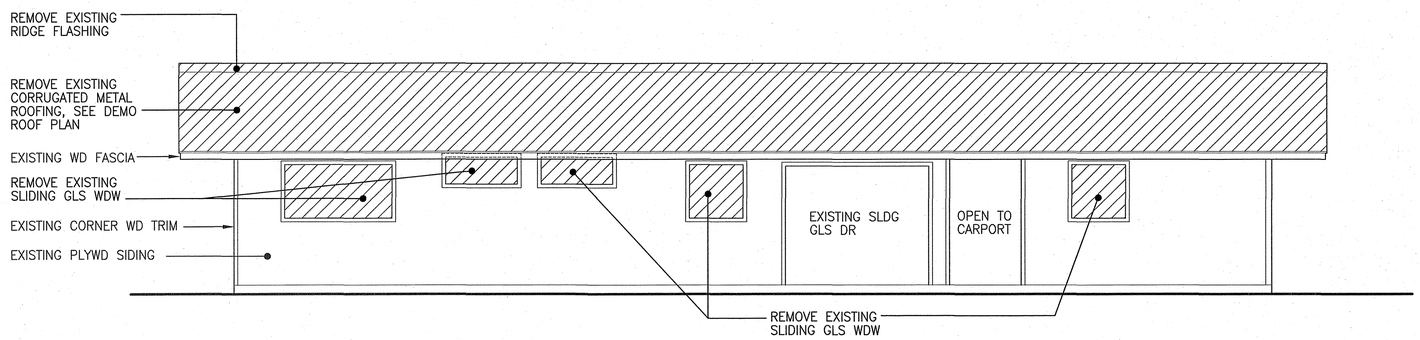
DRAWING No.

A2.2



A EXISTING / DEMOLITION EXTERIOR ELEVATION / FRONT
SCALE 1/4" = 1'-0"

0 1' 2' 4' 6'
SCALE IN FEET



B EXISTING / DEMOLITION EXTERIOR ELEVATION / REAR
SCALE 1/4" = 1'-0"

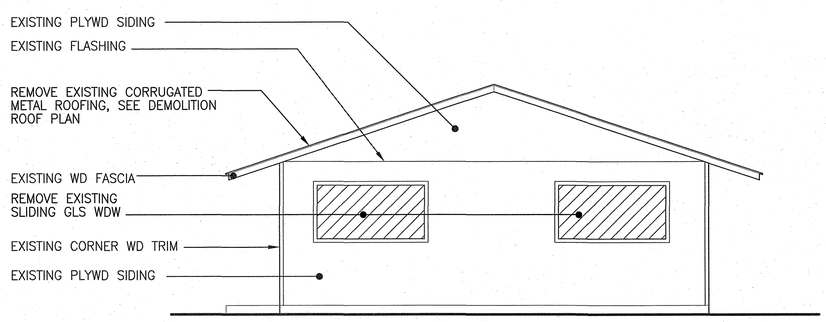
0 1' 2' 4' 6'
SCALE IN FEET

LEGEND

REMOVE

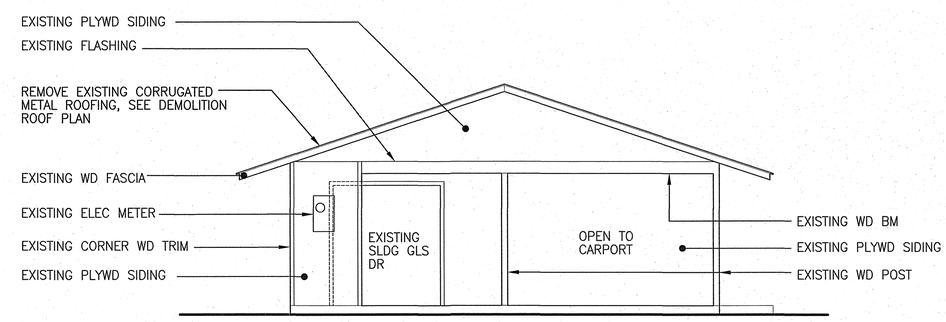
GEN NOTES:

1. CONTRACTOR SHALL PREP ALL SURFACES TO BE PAINTER
2. INSPECT ALL EXISTING WOOD SIDING, RAFTER, ETC....REPAIR OR REPLACE ANY DAMAGED, TERMITE OR ROTTING PRIOR TO NEW WORK



C EXISTING / DEMOLITION EXTERIOR ELEVATION / RIGHT SIDE
SCALE 1/4" = 1'-0"

0 1' 2' 4' 6'
SCALE IN FEET



D EXISTING / DEMOLITION EXTERIOR ELEVATION / LEFT SIDE
SCALE 1/4" = 1'-0"

0 1' 2' 4' 6'
SCALE IN FEET

No	DATE	DWG	CHK	REVISIONS

PRINTS TO

This work was prepared by me or under my supervision and construction of this project will be under my observation.

WESLEY R. SEGAWA LICENSED PROFESSIONAL ENGINEER No. 5116-S HAWAII U.S.A.

Exp. 04/30/2016

Wesley R. Segawa & Assoc., Inc.

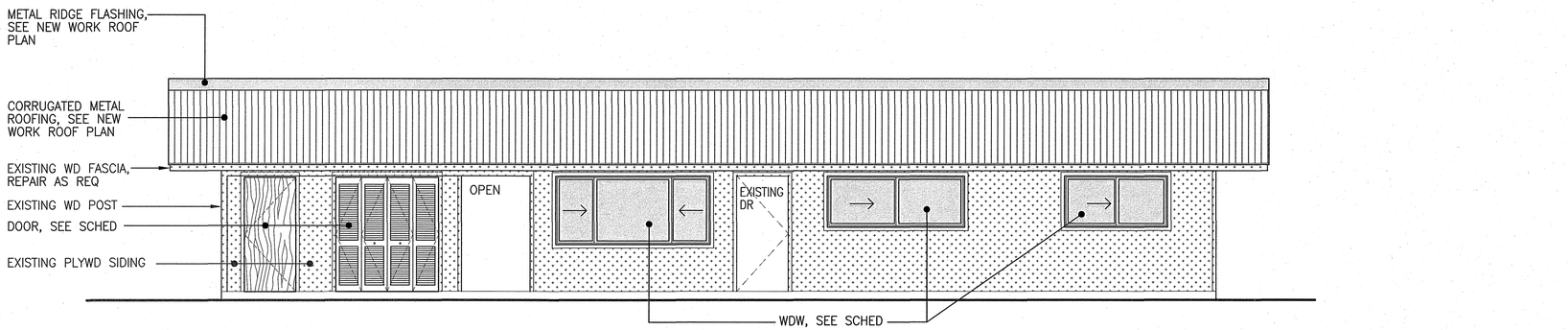
WRSA
Wesley R. Segawa and Associates, Inc.
Committed to Quality Performance & Value
Civil & Structural Engineers
1111 Silva Street, Suite 201 Mills, Hawaii 96720-6755
Telephone: (808) 935-4577 Fax: (808) 935-2070

job title: DHHL KEAUKAHA LOT 131A
3 BEDROOM HOUSE REPAIR
TMK: (3) 2-1-021:010

sheet title: EXISTING / DEMOLITION EXTERIOR ELEVATIONS

DESIGN BY:	WRS
DRAWN BY:	KK
CHECKED BY:	WRS
APPROVED BY:	
DATE:	MAY 2015
SCALE:	AS NOTED
FILE No.	W1302.43

DRAWING No.
A3.1



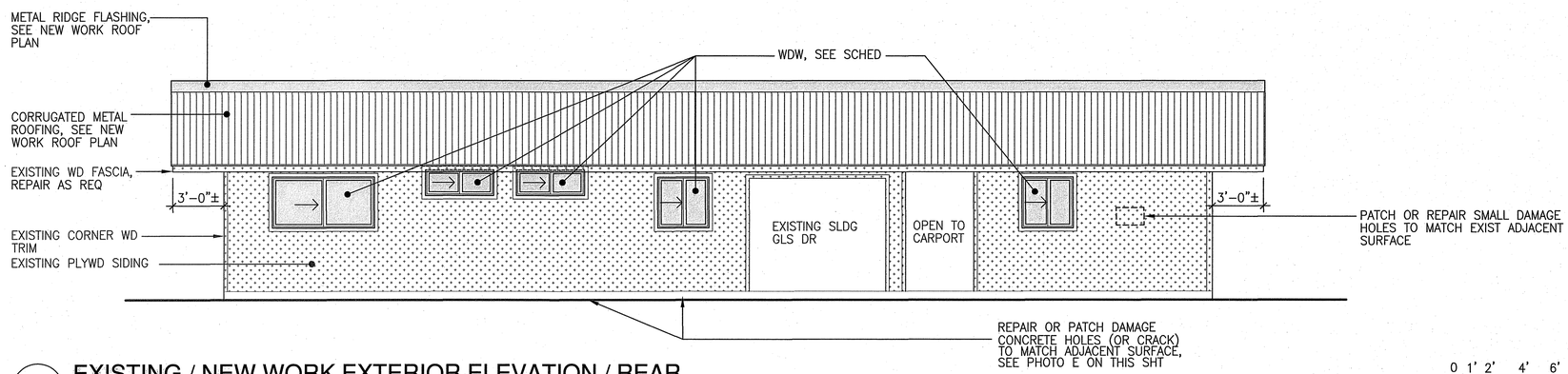
A EXISTING / NEW WORK EXTERIOR ELEVATION / FRONT

SCALE 1/4" = 1'-0"

0 1' 2' 4' 6'
SCALE IN FEET

LEGEND

- CORRUGATED METAL ROOFING
- FLASHING
- REPAINT THE ENTIRE BUILDNG

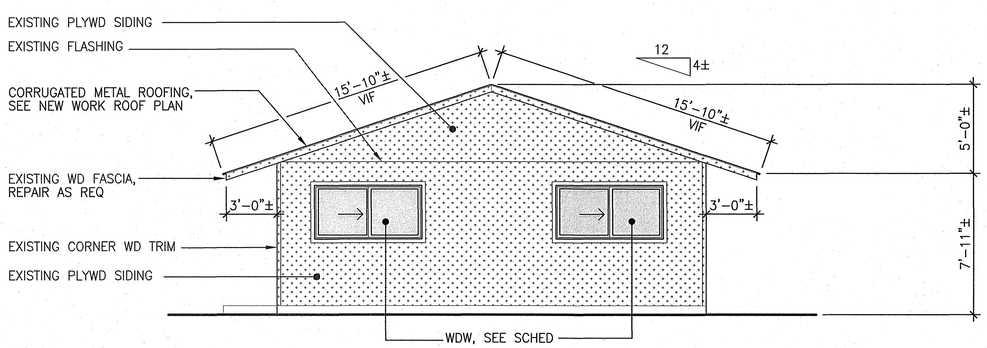


B EXISTING / NEW WORK EXTERIOR ELEVATION / REAR

SCALE 1/4" = 1'-0"

0 1' 2' 4' 6'
SCALE IN FEET

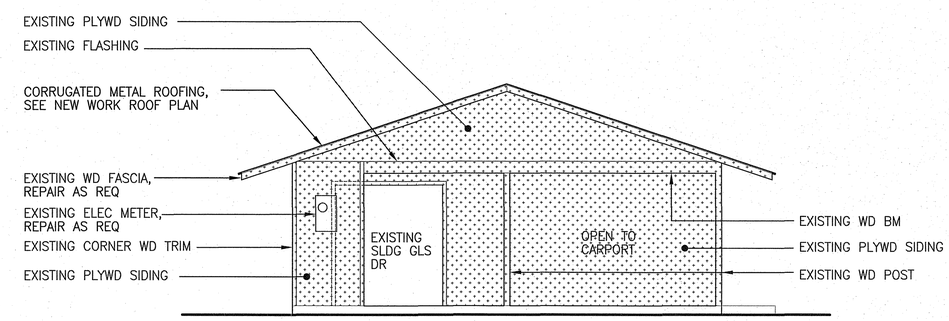
E PHOTO / EXTERIOR



C EXISTING / NEW WORK EXTERIOR ELEVATION / RIGHT SIDE

SCALE 1/4" = 1'-0"

0 1' 2' 4' 6'
SCALE IN FEET



D EXISTING / NEW WORK EXTERIOR ELEVATION / LEFT SIDE

SCALE 1/4" = 1'-0"

0 1' 2' 4' 6'
SCALE IN FEET

No	DATE	DWG	CHK	REVISIONS
△				
△				
△				

DATE	PRINTS TO

This work was prepared by me or under my supervision and will be under my observation.

WESLEY R. SEGAWA LICENSED PROFESSIONAL ENGINEER No. 5116-S HAWAII

Exp. 04/30/2016

WRSA
Wesley R. Segawa and Associates, Inc.
Committed to Quality Performance & Value
Civil & Structural Engineers
1001 Kilani Avenue, Suite 200, Wahiawa, Hawaii 96786
Telephone: (808) 622-3377 Fax: (808) 625-3070

job title: DHHL KEAUKAHA LOT 131A 3 BEDROOM HOUSE REPAIR

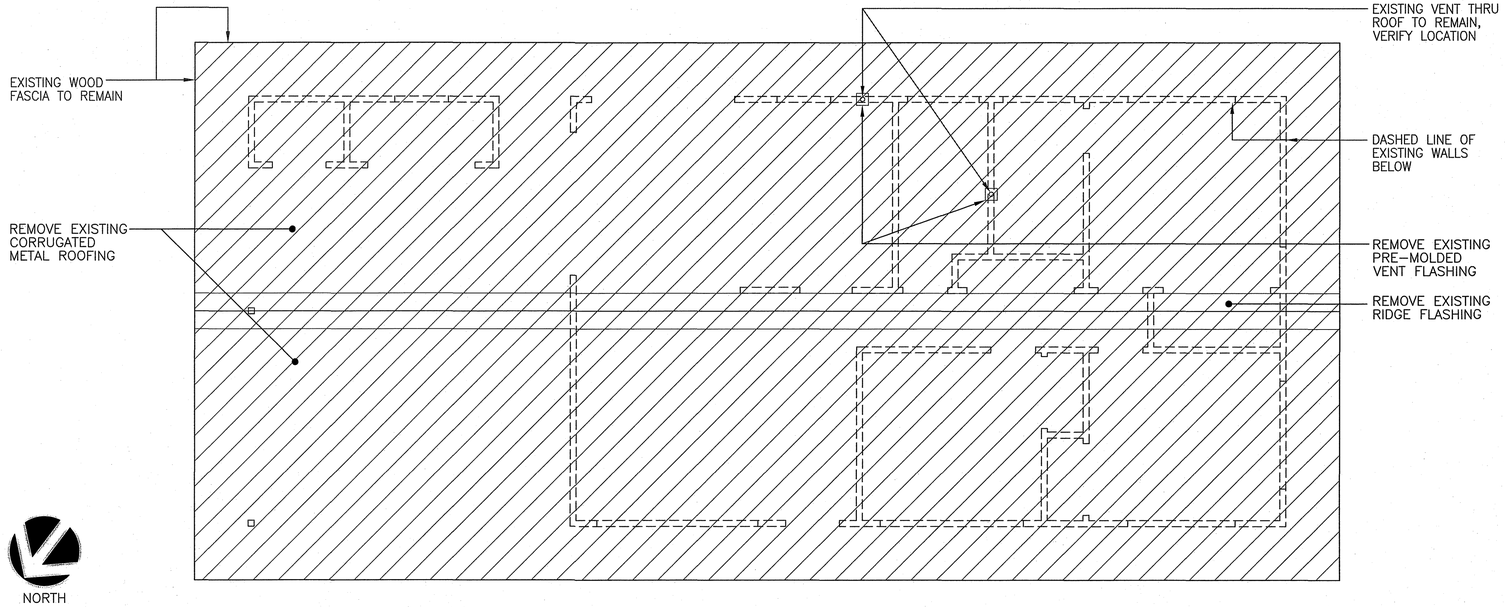
TMK: (3) 2-1-021:010

sheet title: EXISTING / NEW WORK EXTERIOR ELEVATIONS

DESIGN BY:	WRS
DRAWN BY:	NK
CHECKED BY:	WRS
APPROVED BY:	
DATE:	MAY 2015
SCALE:	AS NOTED
FILE No.	WI 362.43

DRAWING No.

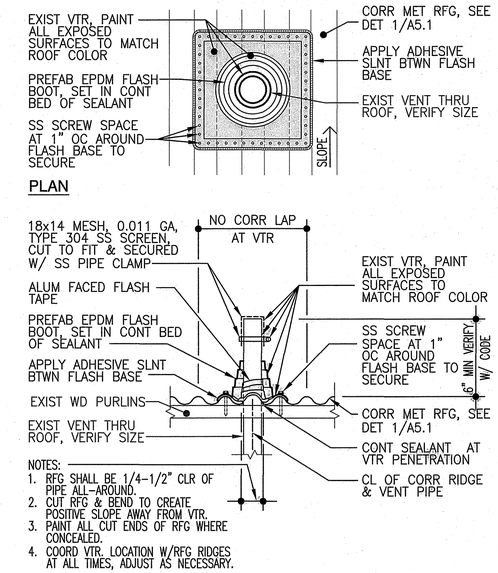
A3.2



A EXISTING / DEMOLITION ROOF PLAN

SCALE 1/4" = 1'-0"

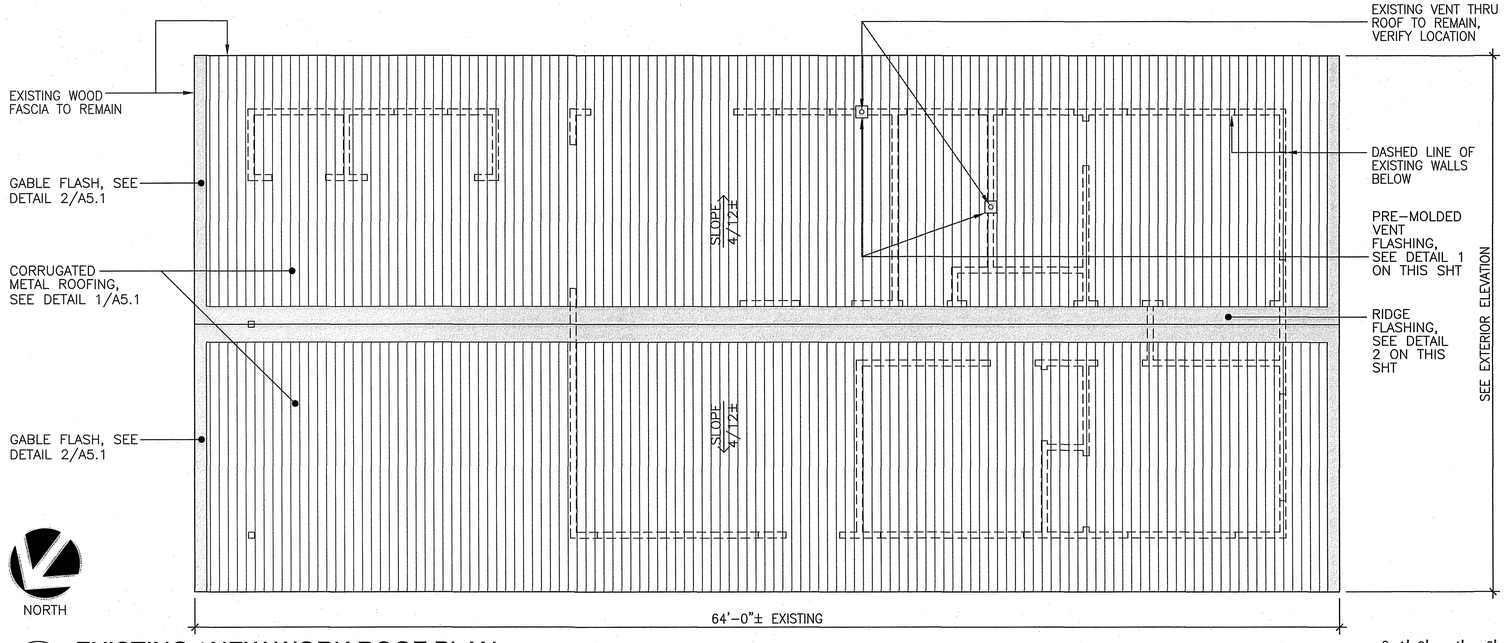
0 1' 2' 4' 6'
SCALE IN FEET



1 NEW FLASHING AT EXISTING VTR

SCALE 1 1/2" = 1'-0"

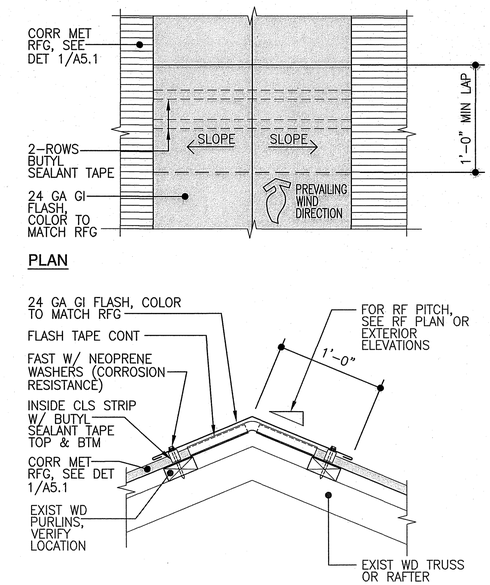
0 2" 4" 8" 12"
SCALE IN INCH



B EXISTING / NEW WORK ROOF PLAN

SCALE 1/4" = 1'-0"

0 1' 2' 4' 6'
SCALE IN FEET



2 RIDGE FLASHING DETAIL

SCALE 1 1/2" = 1'-0"

0 2" 4" 8" 12"
SCALE IN INCH

No	DATE	DWG	CHK	REVISIONS
△				
△				
△				

PRINTS TO

DATE

This work was prepared by me or under my supervision and construction of this project will be under my observation.

Westley R. Segawa & Assoc., Inc.

WESLEY R. SEGAWA LICENSED PROFESSIONAL ENGINEER No. 5116-S HAWAII U.S.A.

Exp. 04/30/2016

WRSA
Westley R. Segawa and Associates, Inc.
Committed to Quality Performance & Value
Civil & Structural Engineers
1001 Kilea Street, Suite 201 Hilo, Hawaii 96720-4755
Telephone: (808) 935-5577 Fax: (808) 935-2976

job title: DHHL KEAUKAHA LOT 131A 3 BEDROOM HOUSE REPAIR

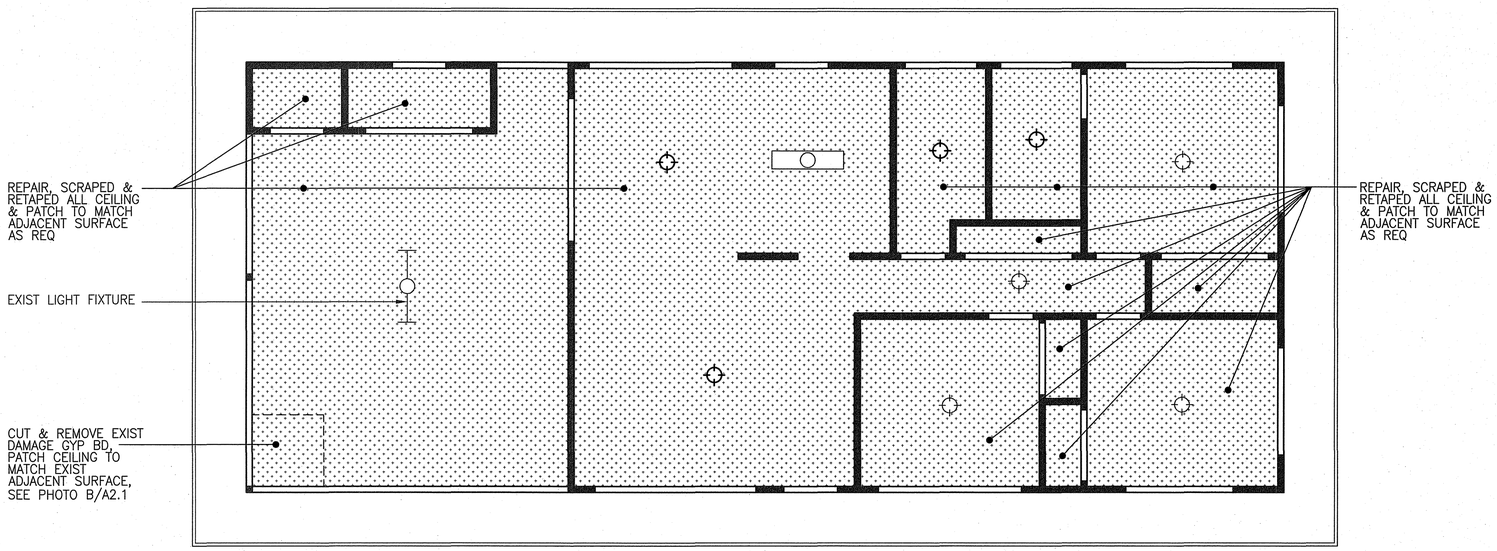
TMK: (3) 2-1-021:010

sheet title: EXISTING / DEMOLITION / NEW WORK ROOF PLAN

DESIGN BY:	WRS
DRAWN BY:	KK
CHECKED BY:	WRS
APPROVED BY:	
DATE:	MAY 2015
SCALE:	AS NOTED
FILE No.	WI 302.43

DRAWING No.

A4.1



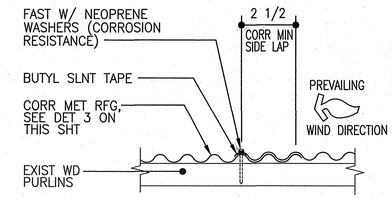
LEGEND

- REMOVE EXISTING LIGHT FIXTURE & REPLACE NEW, CEILING MOUNT
- EXISTING LIGHT FIXTURE, CEILING MOUNT
- EXISTING FLUORESCENT LIGHT
- EXISTING FLUORESCENT LIGHT
- REPAINT & REPAIR

A REFLECTED CEILING PLAN

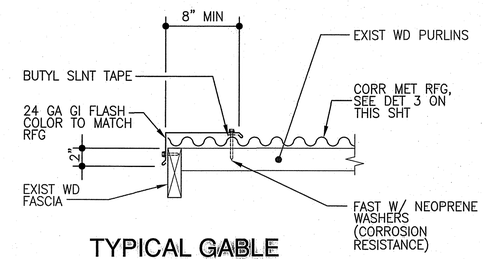
SCALE 1/4" = 1'-0"

0 1' 2' 4' 6'
SCALE IN FEET



1 TYPICAL CORRUGATED DETAIL

NOT TO SCALE



2 TYPICAL GABLE FLASHING DETAIL

NOT TO SCALE

No	DATE	DWG	CHK	REVISIONS

PRINTS TO

DATE

This work was prepared by me or under my supervision and construction of this project will be under my observation.

WESLEY R. SEGAWA LICENSED PROFESSIONAL ENGINEER No. 5116-S HAWAII U.S.A. Exp. 04/30/2016

Wesley R. Segawa & Assoc., Inc.

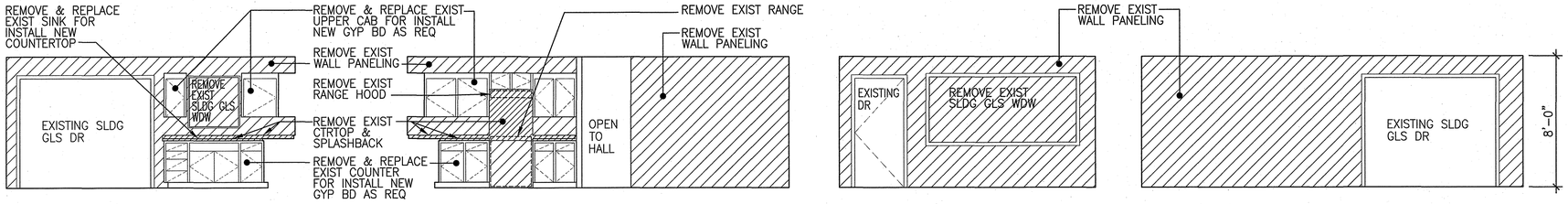
WRSA
Wesley R. Segawa and Associates, Inc.
Committed to Quality Performance & Value
Civil & Structural Engineers
101 Sales Street, Suite 201 Mills, Hawaii 96720-6755
Telephone: (808) 935-4577 Fax: (808) 935-2070

job title: DHHL KEAUKAHA LOT 131A 3 BEDROOM HOUSE REPAIR
TMK: (3) 2-1-021:010

sheet title: REFLECTED CEILING PLAN, DETAILS

DESIGN BY:	WRS
DRAWN BY:	KK
CHECKED BY:	WRS
APPROVED BY:	
DATE:	MAY 2015
SCALE:	AS NOTED
FILE No.	W1302.43

DRAWING No.
A5.1



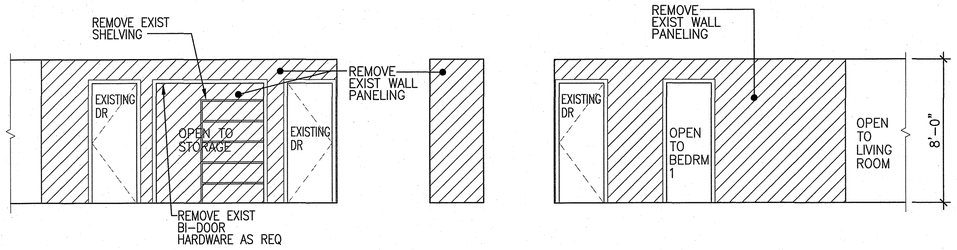
A EXISTING / DEMOLITION INTERIOR ELEVATIONS / EXISTING LIVING ROOM #101, EXISTING DINING ROOM #102, EXISTING KITCHEN #103

SCALE 1/4" = 1'-0"

0 1' 2' 4' 6'
SCALE IN FEET

LEGEND

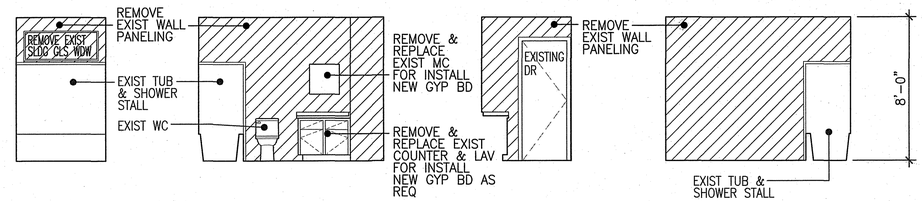
REMOVE



B EXISTING / DEMO INT ELEV / EXIST HALL #104

SCALE 1/4" = 1'-0"

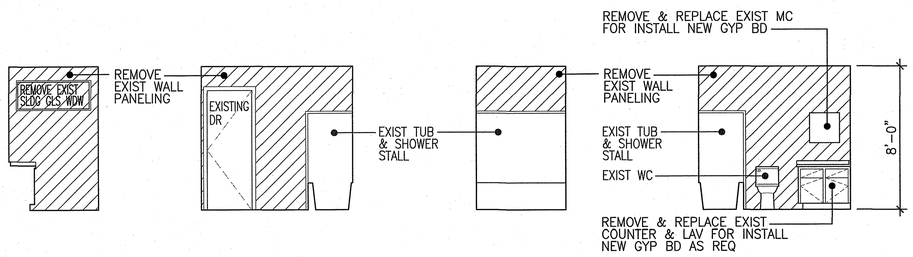
0 1' 2'
SC IN FT



C EXISTING / DEMO INT ELEV / EXIST BATH #105

SCALE 1/4" = 1'-0"

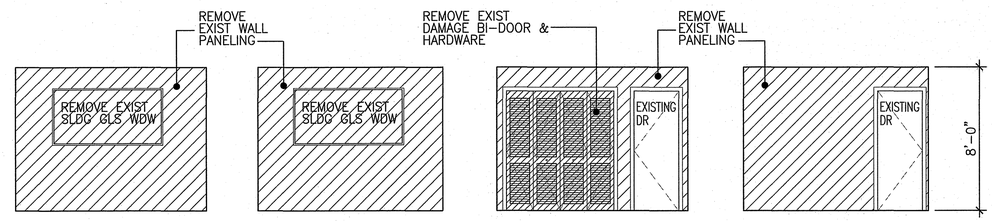
0 1' 2'
SC IN FT



D EXISTING / DEMO INT ELEV / EXIST MASTER BATH #106

SCALE 1/4" = 1'-0"

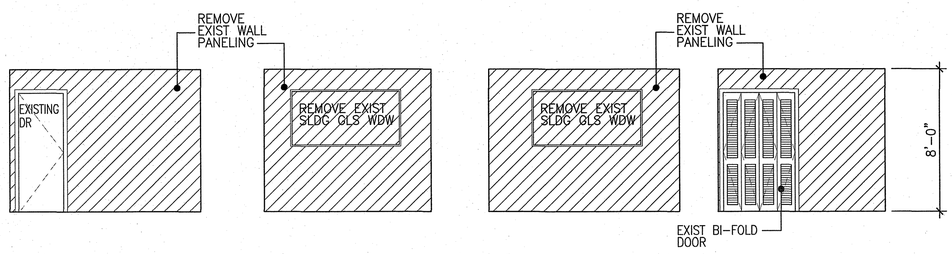
0 1' 2'
SC IN FT



E EXISTING / DEMO INT ELEV / EXIST MASTER BEDROOM #107

SCALE 1/4" = 1'-0"

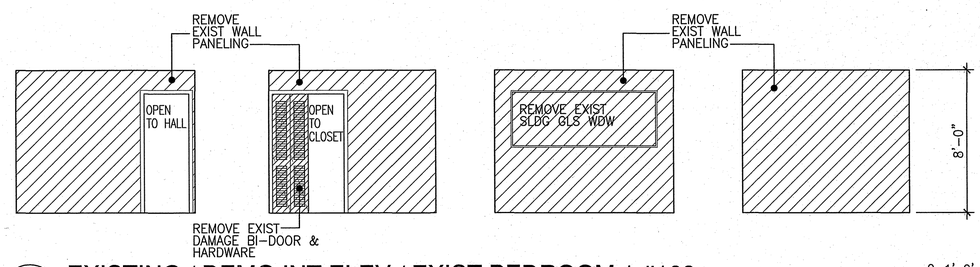
0 1' 2'
SC IN FT



F EXISTING / DEMO INT ELEV / EXIST BEDROOM 2 #108

SCALE 1/4" = 1'-0"

0 1' 2'
SC IN FT



G EXISTING / DEMO INT ELEV / EXIST BEDROOM 1 #109

SCALE 1/4" = 1'-0"

0 1' 2'
SC IN FT

No	DATE	DWG CHK	REVISIONS
△			
△			
△			

DATE	PRINTS TO

This work was prepared by me or under my supervision and I understand my seal on this project will be under my observation.

WESLEY R. SEGAWA LICENSED PROFESSIONAL ENGINEER No. 5116-S STATE OF HAWAII

Exp. 04/30/2016

WRSA
Wesley R. Segawa and Associates, Inc.
Committed to Quality Performance & Value
Civil & Structural Engineers
101 Ohua Street, Suite 206 Hilo, Hawaii 96720-5755
Telephone: (808) 935-3077 Fax: (808) 935-3879

job title: DHHL KEAUKAHA LOT 131A 3 BEDROOM HOUSE REPAIR

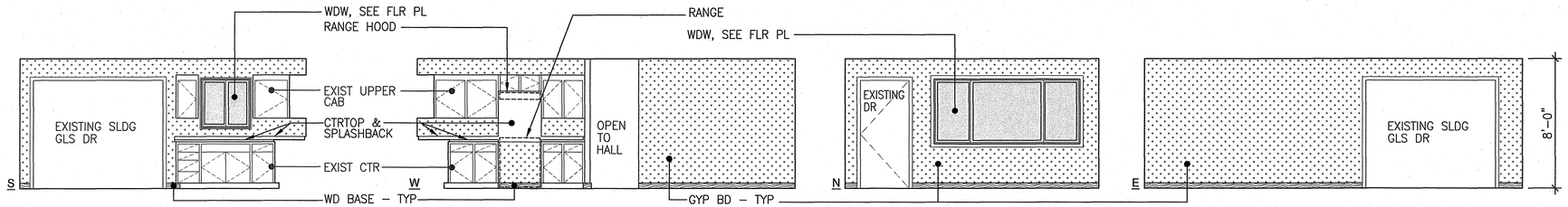
TMK: (3) 2-1-021:010

sheet title: EXISTING / DEMOLITION INTERIOR ELEVATIONS

DESIGN BY:	WRS
DRAWN BY:	MK
CHECKED BY:	WRS
APPROVED BY:	
DATE:	MAY 2015
SCALE:	AS NOTED
FILE No.	W1302.43

DRAWING No.

A6.1



A EXISTING / NEW WORK INTERIOR ELEVATIONS / EXISTING LIVING ROOM #101, EXISTING DINING ROOM #102, EXISTING KITCHEN #103

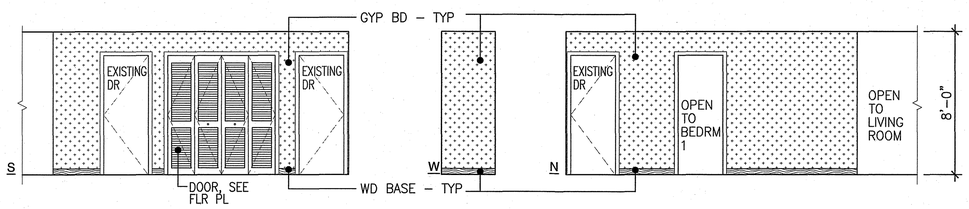
SCALE 1/4" = 1'-0"

0 1' 2' 4' 6'
SCALE IN FEET

LEGEND

1/2" GYP BD (STANDARD), PAINT

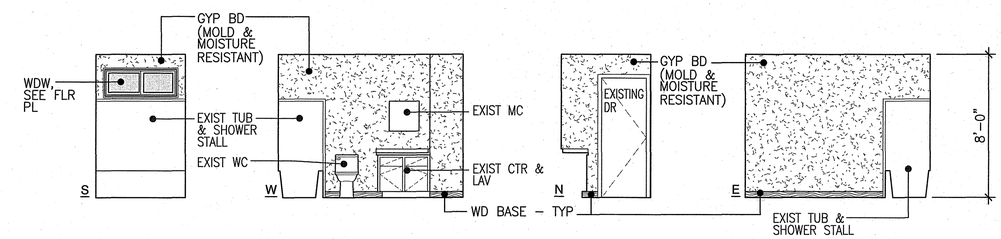
1/2" GYP BD (MOLD & MOISTURE RESISTANT), PAINT (BATHROOM ONLY)



B EXISTING / NEW WORK INT ELEV / EXIST HALL #104

SCALE 1/4" = 1'-0"

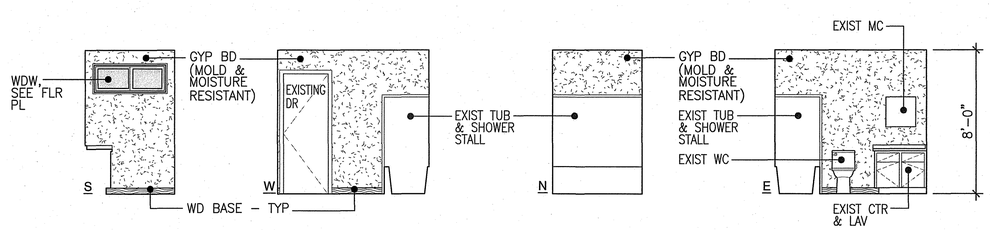
0 1' 2'
SC IN FT



C EXISTING / NEW WORK INT ELEV / EXIST BATH #105

SCALE 1/4" = 1'-0"

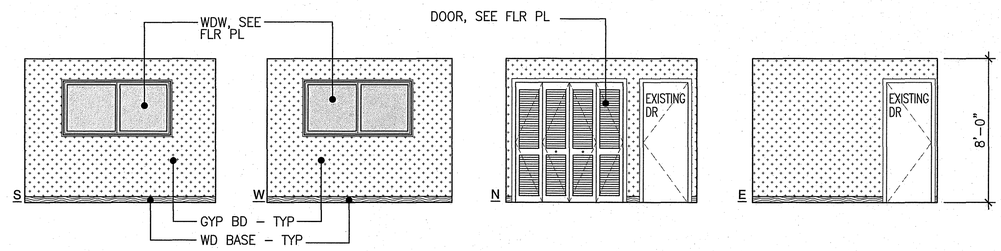
0 1' 2'
SC IN FT



D EXISTING / NEW WORK INT ELEV / EXIST MASTER BATH #106

SCALE 1/4" = 1'-0"

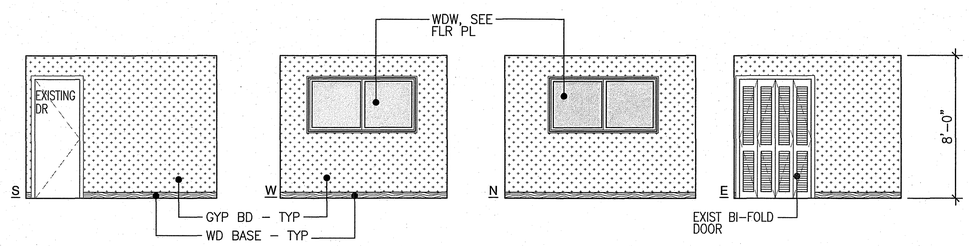
0 1' 2'
SC IN FT



E EXISTING / NEW WORK INT ELEV / EXIST MASTER BEDROOM #107

SCALE 1/4" = 1'-0"

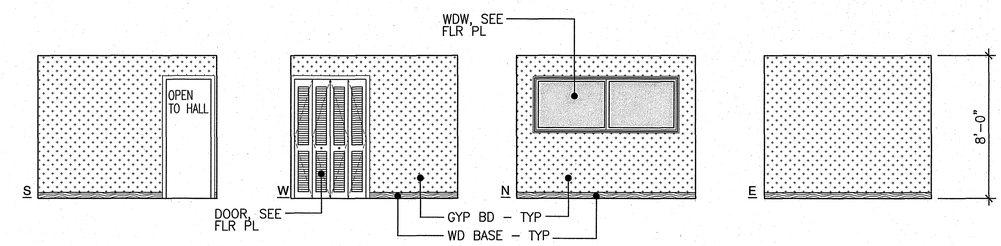
0 1' 2'
SC IN FT



F EXISTING / NEW WORK INT ELEV / EXIST BEDROOM 2 #108

SCALE 1/4" = 1'-0"

0 1' 2'
SC IN FT



G EXISTING / NEW WORK INT ELEV / EXIST BEDROOM 1 #109

SCALE 1/4" = 1'-0"

0 1' 2'
SC IN FT

No	DATE	DWG CHK	REVISIONS

DATE	PRINTS TO

This work was prepared by me or under my supervision and will be under my observation.

Wesley R. Segawa & Associates, Inc.

WESLEY R. SEGAWA LICENSED PROFESSIONAL ENGINEER No. 5116-S HAWAII

Exp. 04/30/2016

WRSA
Wesley R. Segawa and Associates, Inc.
Committed to Quality Performance & Value
Civil & Structural Engineers
1001 Bishop Street, Suite 2594 Honolulu, Hawaii 96813-3929
Telephone: (808) 532-5977 Fax: (808) 535-2878

job title: DHHL KEAUKAHA LOT 131A 3 BEDROOM HOUSE REPAIR

TMK: (3) 2-1-021:010

sheet title: EXISTING / NEW WORK INTERIOR ELEVATIONS

DESIGN BY:	WRS
DRAWN BY:	KK
CHECKED BY:	WRS
APPROVED BY:	
DATE:	MAY 2015
SCALE:	AS NOTED
FILE No.	WI 302.43

DRAWING No.

A6.2