

Name: _____

Date: _____

Block: _____

TOOL / MACHINE:

SKILLS SHEET:

- | | | |
|---|---|--|
| Y | N | Identifies and can explain uses of tool |
| Y | N | Secures material and checks area before commencing work |
| Y | N | Measures and re-checks measurement before setting up for cut |
| Y | N | Sets depth of blade before cutting material |
| Y | N | Makes sure that machine is at full speed before cutting |
| Y | N | Cut created is straight and follows layout |
| Y | N | Knows parts of tool and service protocol |
| Y | N | Handles tool with confidence |

Instructors Final

assesement: _____

Instructors Name

Date

TRANSLATE TO TOTAL INCHES

Solve the following:

$$368' 7 \frac{3}{4}"$$

$$414' 2 \frac{7}{8}"$$

$$727' \frac{1}{4}"$$

$$403' 5"$$

$$242' 11 \frac{1}{2}"$$

$$430' 2"$$

$$818' 5"$$

$$910' 7"$$

$$424' 8 \frac{1}{2}"$$

$$262' 21"$$

$$678' 13"$$

$$180' 11"$$

SAFETY RULES

- 1) No horse playing at anytime in the shop.
- 2) Use proper clothing.
- 3) No jewelry.
- 4) Know all fire exits and location of fire extinguishers.
- 5) In case an emergency, all work shall close. All machinery and equipment shall be shut off.
- 6) Do not work under the influence of drugs, medications or if tired and sick
- 7) Always wear safety glasses.
- 8) Respect all coworkers and their property.
- 9) Report all injuries and near misses.
- 10) Notify instructor of all unsafe conditions.
- 11) Keep the floor clear of all debris and trash.
- 12) Make sure all edge tools are sharp.
- 13) Do not put sharp tools in your pocket.
- 14) Report all broken tools to instructor.
- 15) Do not use air compressor to clean yourself.
- 16) Close vises so handles do not protrude.
- 17) Use all machine guards; do not use machines whose guards are compromised.
- 18) Be sure that everyone is clear from danger zone when using machines.
- 19) Turn off machine before servicing.
- 20) Ask for assistance when cutting long pieces of lumber.
- 21) Care for each tool as if it were your own personal property.
- 22) Wipe up or cover up all wet spots in the shop.
- 23) Do not run in shop.
- 24) Make sure all liquids are sealed properly and stored correctly.
- 25) Do not use damaged or altered extension cords or plugs.
- 26) Turn off each machine after each use.

Three Things You Need To Know:

- 1) Construction is dangerous.
- 2) Safety rules are for everyone.
- 3) You are going to DIE, but not in this class.

It is important to follow these rules so that it is surely safe when you work in the shop. It also ensures a good working environment to keep you and others safe from harm and danger. Following these rules will help you learn more and do more while being safe.

GUAM COMMUNITY COLLEGE
School of Trades & Professional Services
Construction Department
HIGH SCHOOL SATELLITE PROGRAM
Syllabus

Course Title: VECT 053 Introduction to Carpentry
Instructor: Gil Yanger
Room: Room 604 GCC Campus
Contact Numbers: 734-2307 (Office), 488-0445
Email: gil.yanger@guamcc.edu

Course Description

Using the Department of Labor and Contren0 standards for training, this class will contain various methods and theories standard to apprenticeship training for beginning carpenters. The classes will be focusing on safety, tool and equipment recognition and classroom and field theories.

Skills and Background Required or Expected

Each student is expected to read assigned materials and to participate in all sessions through attending, listening and interacting with other students, working large and small groups, and completing in-class and out-of-class assignments.

Teaching Methodologies & Anticipated Class Size

Lecture, group participation and hands-on activities, coupled with video and web resources, will be used to help participants acquire the outcomes of the course. Individual activities and projects will be implemented within the classroom as part of the course design. The class size will be set at 20.

Student Learning Outcomes

Upon successful completion of this course, students will be able to:

- Identify and demonstrate proper safety practices related to Carpentry;
- Properly demonstrate understanding of basic math and measurement concepts;
- Read and create prints and plans for projects
- List and apply methods and theories for construction;
- Identify materials, tools and equipment used in the field of Carpentry.

Course Breakdown

- Introduction to safety rules and field practices. Intro to measurements and measuring tools.
- Introduction to fasteners, glues and adhesives
- Introduction to Print reading
- Introduction to hand tools

- Introduction to power tools and equipment
- Lab work implementing classroom theory in live work setting.

Grading

A 100-90
 B 89-80
 C 79-70
 D 69-60
 F- 59 and below

Participation (Individual)

180 days of instruction

Evaluation of Classroom and field projects

Completion of several projects showing understanding of concepts and lessons

Writing and research

Demonstrate rudimentary skills in expressing and researching theories and concepts.

Course Materials

Class texts and selected readings, worksheets and other resources, to include the Contren® Wheels of Learning curriculum covering the various topics of the course will be available to all students.

Emergency Policy In the event classes are canceled as a result of a power outage, water outage, Ibomb scare, typhoon, or other natural disaster, all classes missed will be made up by following the set make up schedule as implemented by the Guam Department of Education.

Services for Student with Special Needs

In compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA), a student who wishes to receive instructional accommodations, because of a documented sensory and/or learning disability, should meet with the instructor to discuss these accommodations. In addition, the student must be identified as an individual with special needs, as set forth by the Guam Department of Education. The Community Resource Teacher and Counseling will provide information to the course instructor outlining such services needed.

Name _____

scale 1/4 = 1'

1 _____

2 _____

3 _____

4 _____

5 _____

6 _____

7 _____

8 _____

9 _____

10 _____

BLUEPRINT READING

- 1) What will you find at page A-4 Drawing #3?
- 2) How many 110duplex outlets are there?
- 3) What does the abbreviation GFI, WP indicate?
- 4) What is the distance from the finish floor to the center of the dryer vent?
- 5) What is the minimum height to terminate vent piping through the roof?
- 6) What is the scale of the plumbing layout?
- 8) What does $\frac{3}{4}$ CWL mean on the plumbing diagram?
- 9) What is the page number and drawing number of the plumbing diagram?
- 10) What information would you find on a title block?

Write the proper term for the following abbreviation:

1.) GAR

2.) Kit

3.) MB

4.) WC

5.) LR

6.) REF

7.) CL

8.) UT

9.) FIN. FLR

10.) C to C

11.) PRCST CONC

12.) SQ. FT.

13) WP

14) CMU

15) TMBR

BLUEPRINT SKILLS

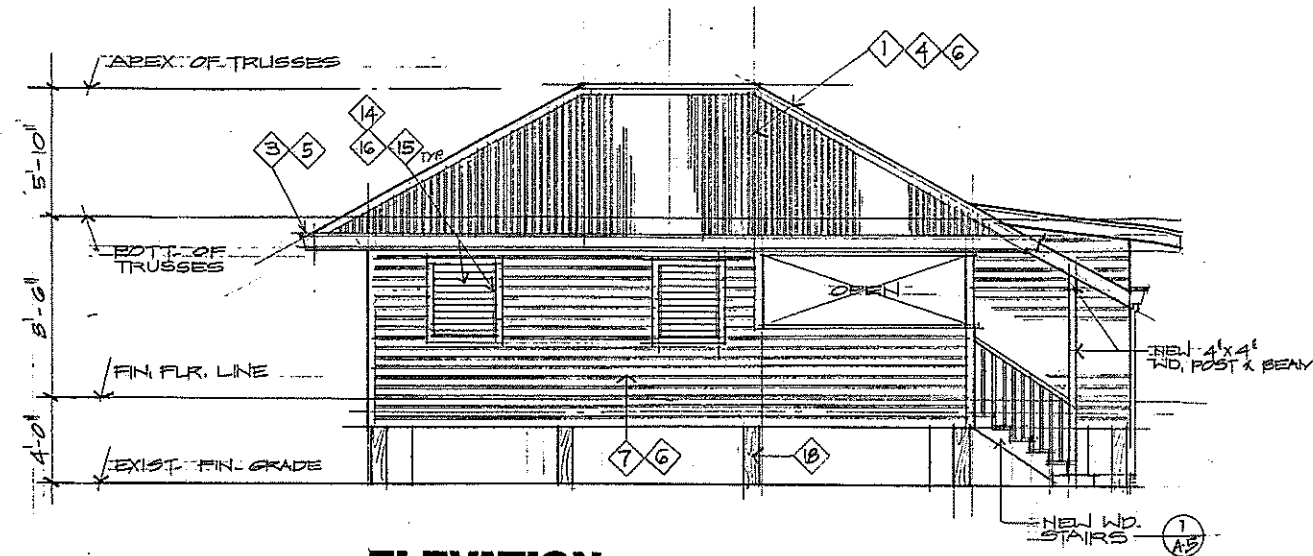
- 1) Using your architectural scale, measure and record the distance between the three windows on elevation drawing 4; A-2
- 2) What is the size of the medicine cabinet in the bathroom?
- 3) What is the height of the interior ceiling?
- 4) What is the required finish for the roof slab?
- 5) What detail runs around the whole mid-section of the exterior?
- 6) What size bolt is used to anchor the door jambs?
- 7) Who is responsible for inspecting the drawings for any discrepancies and or issues he may have with the designs? Who does he address the problems too?
- 8) What size and amount of vertical rebar are required for the corners of the CMU walls?
- 9) What type of cement should be used?
- 10) What section explains the condition requirements for the laying of blocks?
- 11) What material is being used as a vapor barrier?
- 12) Where would you find the statement "Apply soil poisoning prior to pouring of footings and concrete slab on grade"? Be specific
- 13) On the roof framing plan, what do the abbreviations LB, BB, and RB stand for?
- 14) What type of doors is designated for the linen closets in bedrooms 2 and 3?
- 15) On page A-4 section 2, at what height do the upper cabinets stop?
- 16) What are the dimensions for the living room and kitchen?
- 17) Where does the concrete driveway stop?
- 18) State the different levels of the leaching field
- 19) How thick is the outlet on the septic tank?
- 20) What size pipe is used to feed the cold water?

SCOPE OF WORK

1. REPLACE EXISTING CORR. TIN ROOFING and RIDGE ROLLS W/ NEW 22-GA. CORR. TIN SHEET and 22-GA. PL. G.I. RIDGE ROLLS.
2. REMOVE and REPLACE ROTTEN OR DAMAGED WOOD ROOF FRAMINGS, MODIFY OTHER PORTION OF EXISTING FRAME TO CREATE A TRUE LEVEL and ALIGNMENT OF ROOF FASCIAS.
3. PROVIDE and INSTALL ROOF GUTTERS and DOWNSPOUTS.
4. APPLY PROTECTIVE COATING TO NEW ROOF and APPLY FINISH COAT OF ALUMINUM PAINT.
5. APPLY PRIMER ON NEW ROOF GUTTERS and DOWNSPOUTS and APPLY METAL PAINT FINISH AS SCHEDULE.
6. INSTALL BLANKET INSULATION IN ROOF and ALL EXTERIOR WALLS.
7. CAREFULLY REMOVE EXISTING WOOD FLOORING, FLOOR JOISTS, SIKERS, and SIDINGS. STOCKPILE IPIL WOOD and REUSE IN AREAS DESIGNATED BY THE CONTRACTING OFFICER.
8. PROVIDE NEW 8" CMU PERIMETER WALL ON CONCRETE FOOTING, BACKFILL and COMPACT FILL MATERIAL TO SUPPORT SLAB ON GRADE.
9. INSTALL VAPOR BARRIER, WNF, REBARS, FORM and POUR CONC. SLAB ON GRADE.
10. INSTALL 2" CMU WALL FROM FLOOR LINE TO CEILING LINE.
11. INSTALL NEW 1" x 4" T & G WOOD FLOORING. SALVAGEABLE 1" x 4" T & G WOOD FLOORING TO BE REUSE IN AREAS DESIGNATED BY THE CONTRACTING OFFICER.
12. REINSTALL INTERIOR PARTITIONS, REPLACE ROTTEN OR DAMAGED WOOD STUDS.
13. REINSTALL WOOD DOOR FRAMES and DOORS. REPLACE DAMAGED OR ROTTEN ONES. PROVIDE and INSTALL NEW HARDWARES AS SCHEDULED and TO BE APPROVED BY THE CONTRACTING OFFICER.
14. REPLACE ALL ALUMINUM WINDOW LOUVER OPERATORS. REUSE EXISTING GLASS LOUVERS, REPLACE DAMAGED, MISSING GLASS LOUVERS and CLEAR GLASS LOUVERS W/ OBSCURED GLASS LOUVERS.
15. REUSE EXISTING WINDOW FRAMES and TRIMS. REPAIR/REPLACE ROTTEN WOOD FRAMES TO FOLLOW DETAILED DRAWINGS AS SHOWN ELSEWHERE.
16. REPAIR/REPLACE INSECT SCREEN W.D. FRAMES and REPLACE ALL ALUM. INSECT SCREEN FABRIC.
17. REPLACE EXISTING CEILING W/ 1/2" GYR BD. PROVIDE 2" x 2" W.D. NAILERS and 2" x 4" W.D. JOIST AS DETAILED.
18. EXISTING HARDWOOD POST (IPIL WOOD) ALONG THE PERIMETER WALL TO REMAIN. REPLACE ODD SIZED POST and ROTTEN ONES. APPLY WOOD PRESERVATIVE TREATMENT ON ALL POSTS TO REMAIN OR ON NEW REPLACEMENTS. NEW POST TO BE BURIED AT LEAST 2'-0" BELOW NATURAL GROUND LEVEL and EXTEND UP TO THE BOT. OF THE WOOD FLOORING.
19. INSTALL NEW 5/8" THK. EXTERIOR GYPSUM SOFFIT BOARD ON THE INTERIOR WALLS. PROVIDE and INSTALL 1" x 4" HARDWOOD BASEBOARD and 3/4" x 3/4" CAVETTO MOLDING FOR THE CEILING.
20. REPAIR OR REPLACE BASE CABINETS, WALL CABINETS, CLOSETS, SHELVINGS OR ANY WOOD WORK AS SHOWN ON DETAILED DRAWINGS.

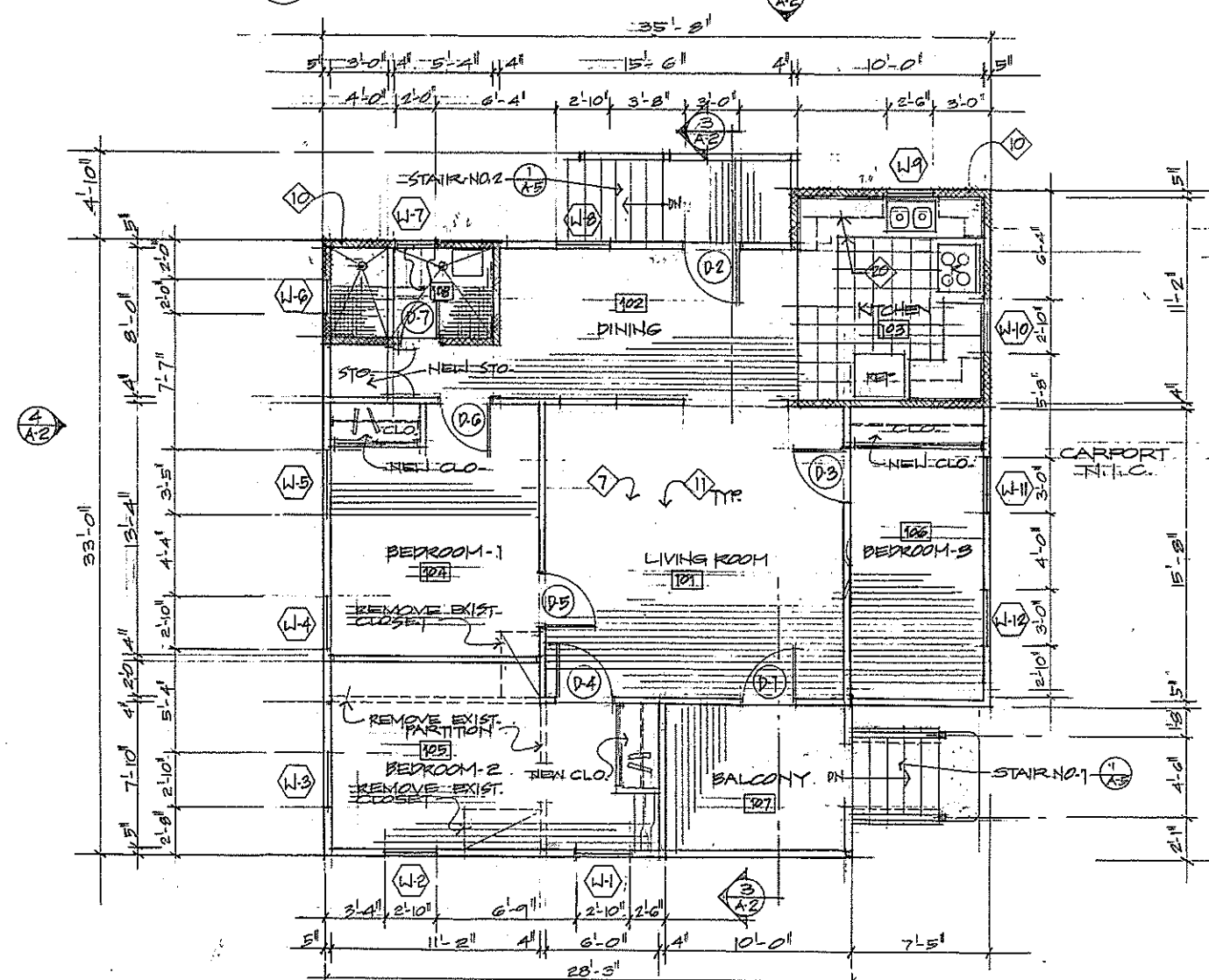
NOTE:

USE HARDWOOD PHIL. MAHOGANY OR SIMILAR AS ACCEPTED BY THE DEPARTMENT OF PARKS AND RECREATION OR AUTHORIZED REPRESENTATIVES.



ELEVATION

SCALE 1/4" = 1'-0"



FLOOR PLAN

SCALE 1/4" = 1'-0"

I hereby certify that this plan was prepared by me or under my direct supervision.

Willy A. Watson, AIA
Architect

REVISION	DATE	BY	DESCRIPTION	APPROVED
PROJECT NO.				
CONTRACT NO. 034				
DESIGNED BY: HAW				
DRAWN BY: WAW				
CHECKED BY:				
RECOMMENDED APPROVAL				
DATE:				
GUAM PRESERVATION TRUST				
PROJECT: RESTORATION TO THE EXISTING HISTORICAL BUILDING TATAGUEPENOS, NARANJAN GUAM				
SHEET: FLOOR PLAN, ELEVATION, CONTENTS, and SCOPE OF WORK				
DRAWER NO:				
DRAWING NUMBER A-1				
SHEET 2 OF 2				