

CONSTRUCTION DRAWINGS

CITY OF TUCSON RESIDENTIAL PLAN REVIEW

the construction drawings are required to obtain a building permit. This is a sample outline for small projects. Multiple different drawings may be required depending on the extent of the project. Some of the drawings that may be required are listed below.

- SITE PLAN**
- FLOOR PLAN**
- FOUNDATION PLAN**
- ROOF / FRAMING PLAN**
- DETAILS / CROSS SECTIONS**
- ELEVATIONS**
- ELECTRICAL PLAN**
- PLUMBING PLAN**
- MECHANICAL PLAN**

An architect or an engineer usually prepares construction drawings for commercial projects; however, these services are also available to homeowners. Contractors may also be a useful resource when preparing construction drawings. Regardless of who prepares these documents, all drawings must be detailed, accurate, neat and complete

The purpose of preparing and submitting a complete set of construction drawings:

- Help the homeowner to envision the entire project
- Assist in planning and estimating the cost and time for the project
- Prevent unpleasant surprises and last minute changes
- Provide all parties involved (homeowners, contractors, inspectors, plan reviewers, etc.) with clear instructions regarding layout, materials, and the expected finished product
- Expedite the plan review process
- Enable the Development Service Department to provide better service by identifying potential code problems and recommending solutions

LEGAL DESCRIPTION

 OWNER'S NAME _____
 PROJECT ADDRESS _____
 PROJECT DIScription _____
 ZONING _____ SECTION _____ T. _____, R. _____
 OVERLAY ZONES _____

LOT COVERAGE CALCULATIONS

EXISTING DWELLING = _____ %
 ADDITIONS = _____ %
 ACCESSORY STRUCTURES = _____ %
 GARAGE/CARPORT = _____ %
 DRIVEWAY/VEHICULAR USE AREA = _____ %

TOTAL LOT COVERAGE = _____ %
 LOT AREA (LOT SIZE) = _____ %
 TOTAL LOT COVERAGE +/- BY LOT AREA = _____ %

BUILDING ELEVATIONS

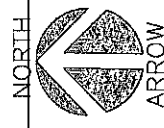
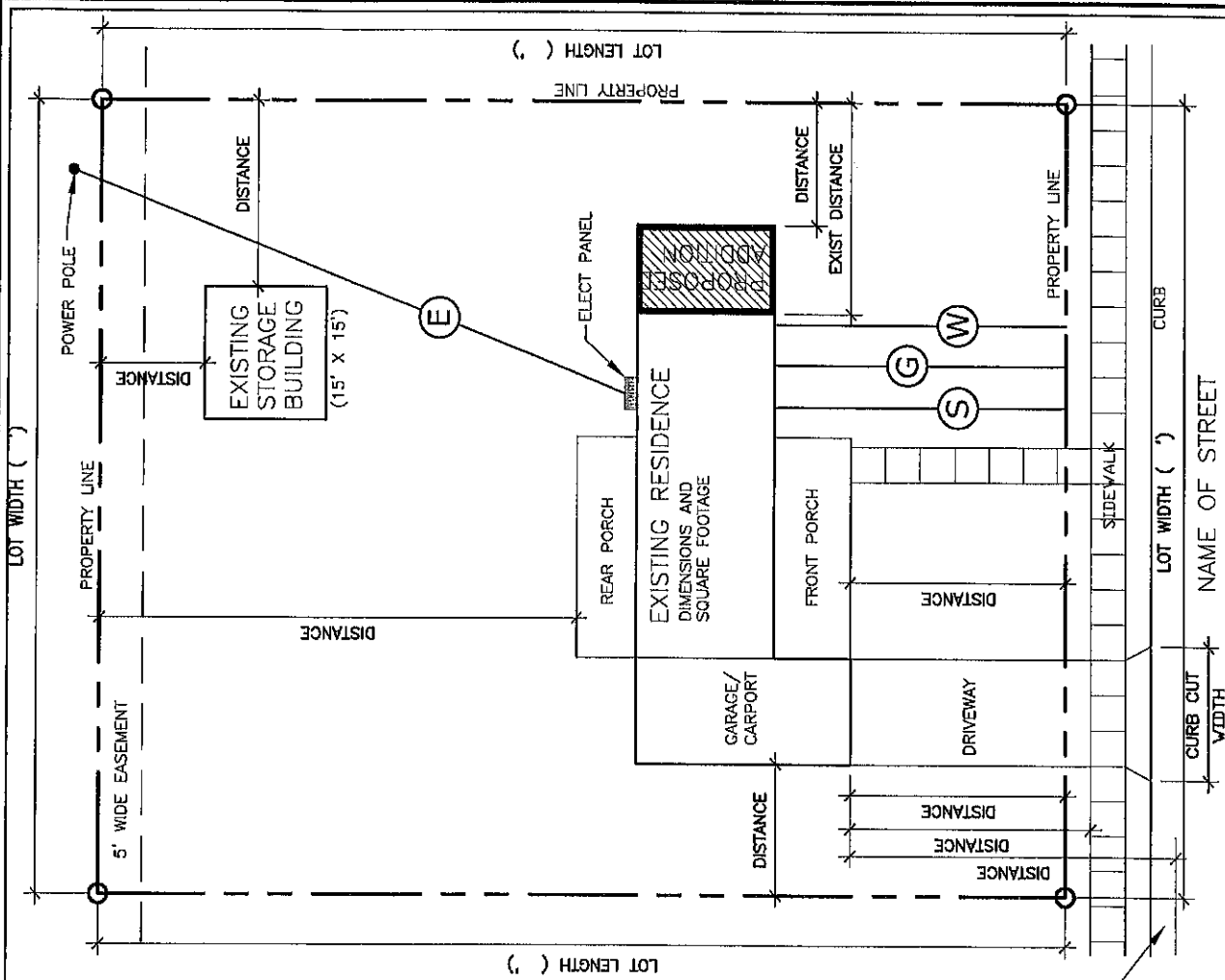
BUILDING HEIGHT NORTH SIDE = _____
 BUILDING HEIGHT SOUTH SIDE = _____
 BUILDING HEIGHT WEST SIDE = _____
 BUILDING HEIGHT EAST SIDE = _____

DENSITY CALCULATIONS

LOT AREA _____ ÷ 43,560 _____ = _____ ACRES

_____ ACRES X _____ UNITS PER ACRE = _____ UNITS ALLOWED

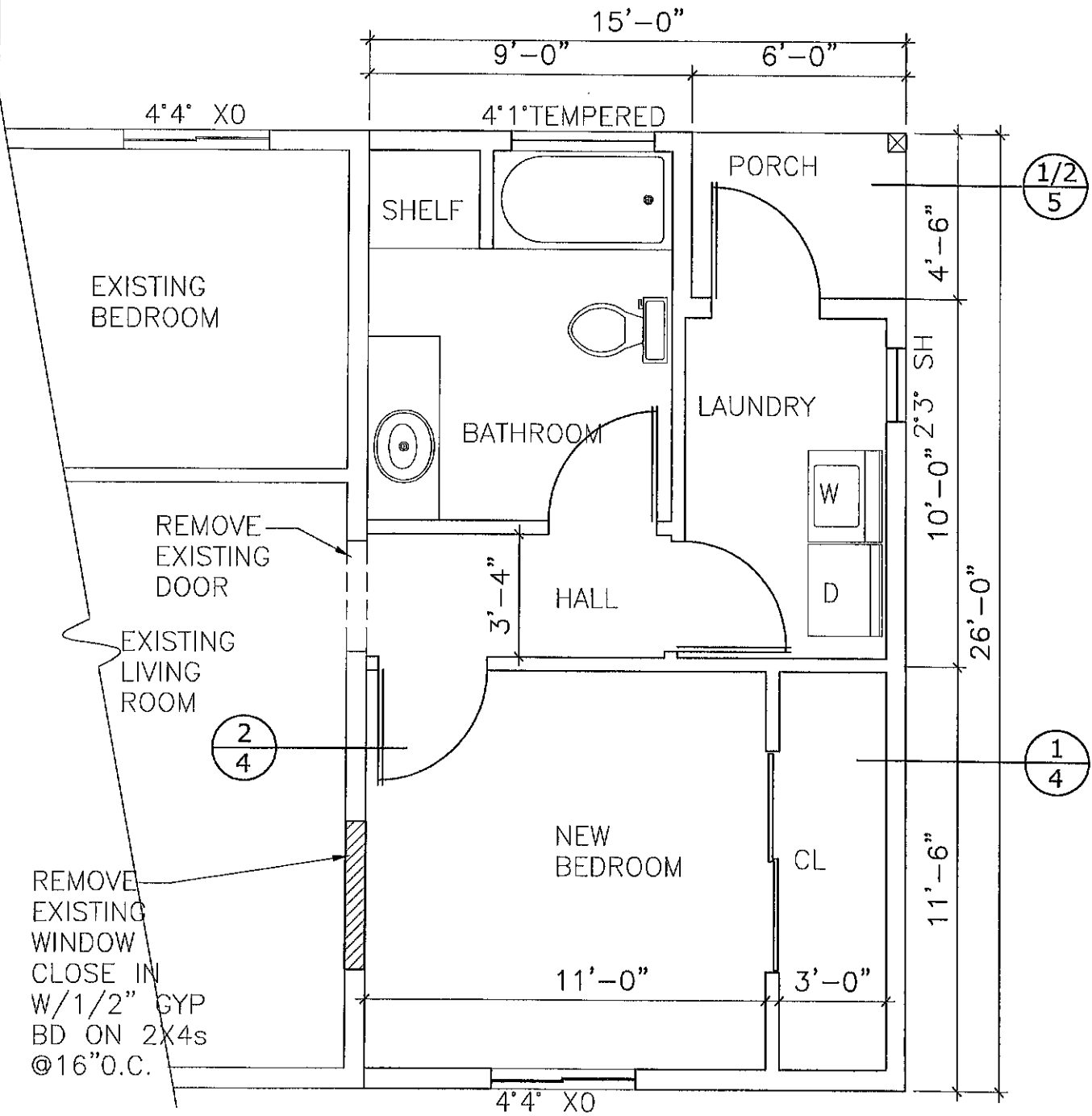
UNITS PROPOSED _____



PLOT PLAN

SCALE: 1" = _____'

ALL CONSTRUCTION TO COMPLY WITH 2018 IRC

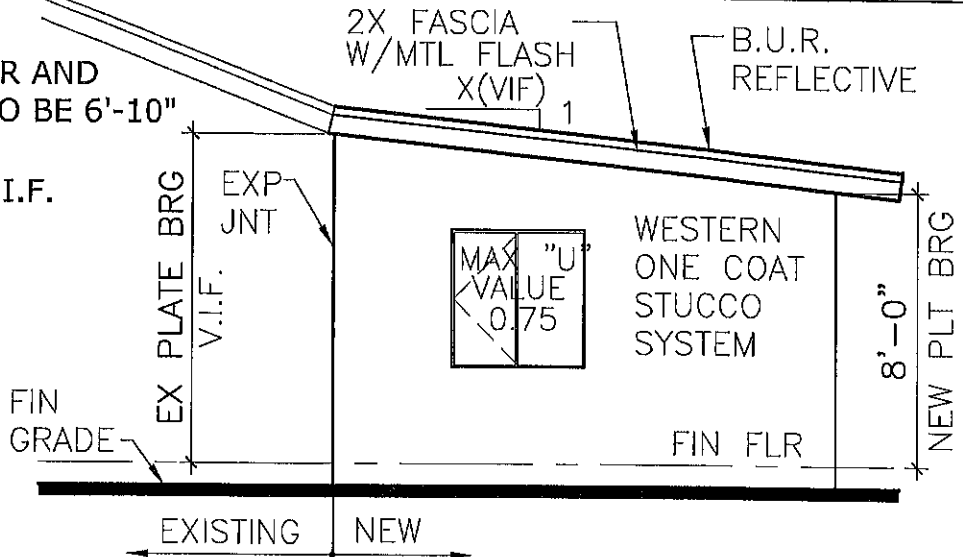


FLOOR PLAN

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

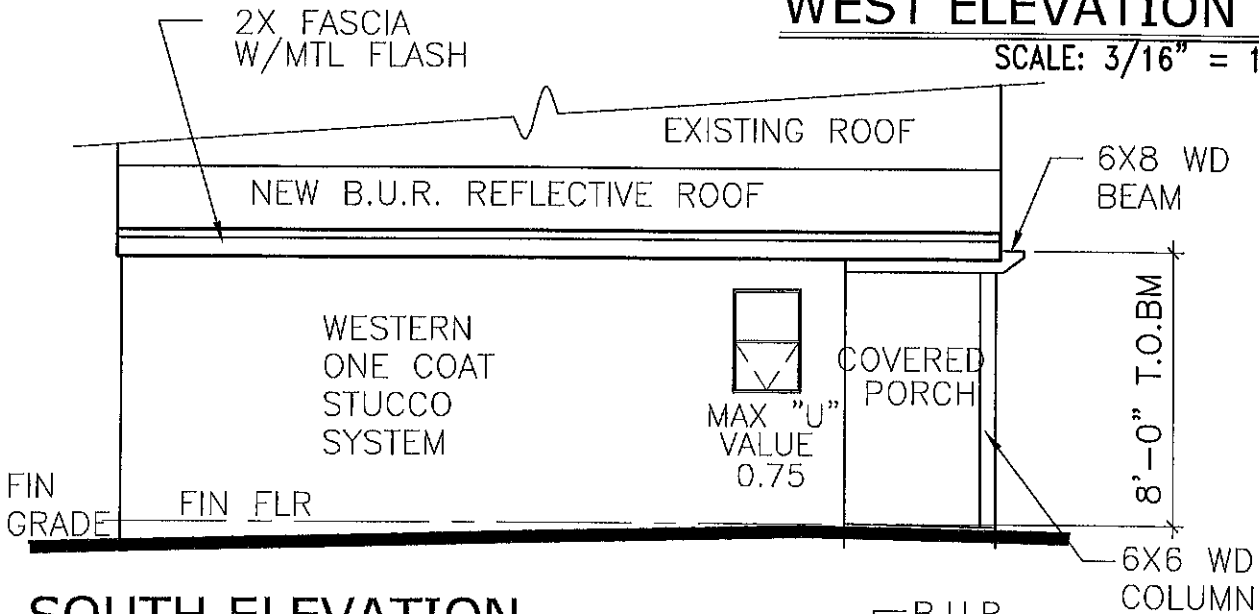
GENERAL NOTES:

1. BOTTOM OF ALL DOOR AND WINDOW HEADERS TO BE 6'-10" A.F.F.
2. VERIFY IN FIELD = V.I.F.



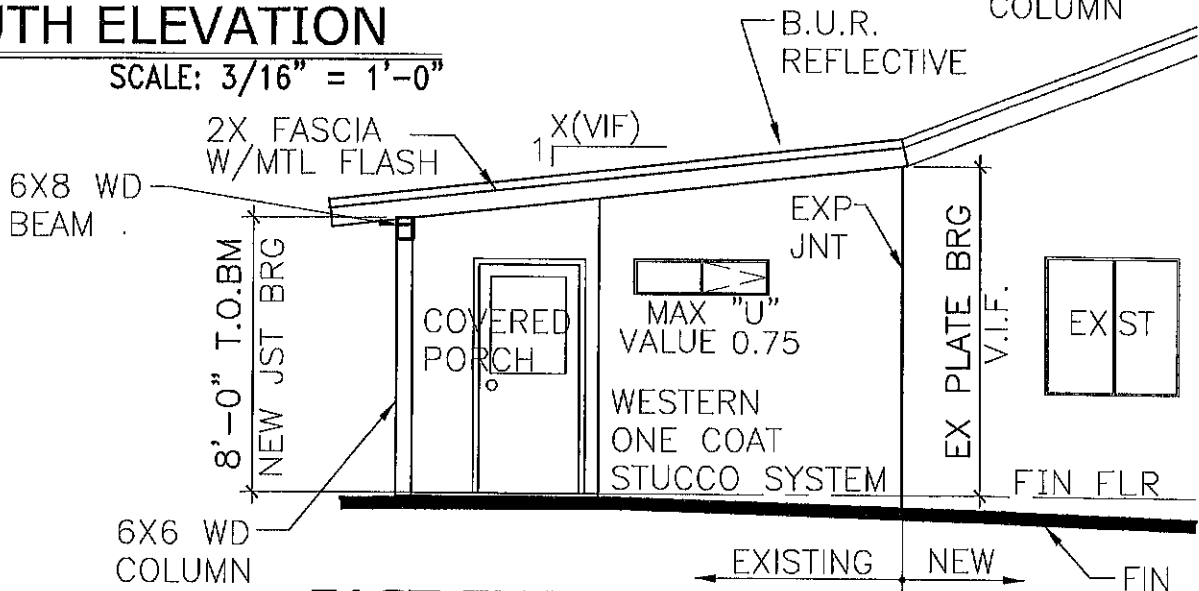
WEST ELEVATION

SCALE: 3/16" = 1'-0"



SOUTH ELEVATION

SCALE: 3/16" = 1'-0"



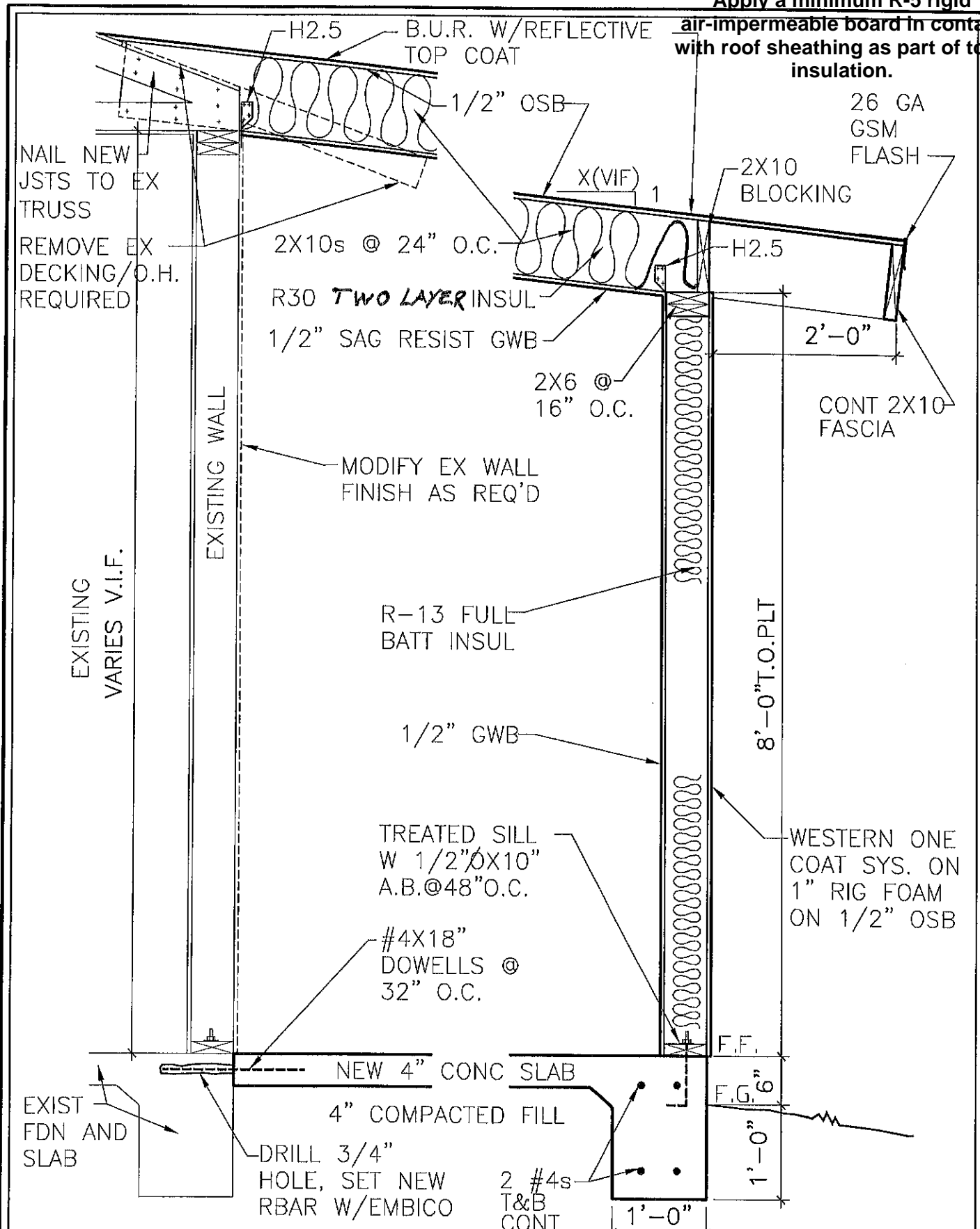
EAST ELEVATION

SCALE: 3/16" = 1'-0"

Unvented Roof, R806.5

Apply a minimum R-5 rigid

air-impermeable board in contact with roof sheathing as part of total insulation.

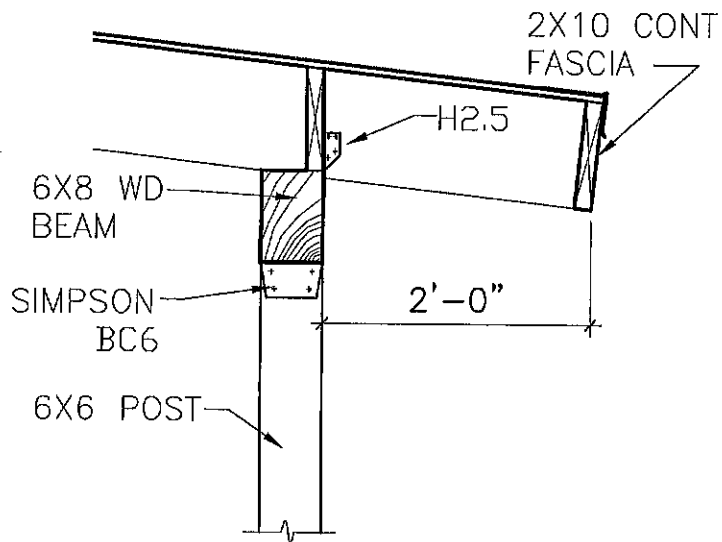


2 WALL SECTION

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

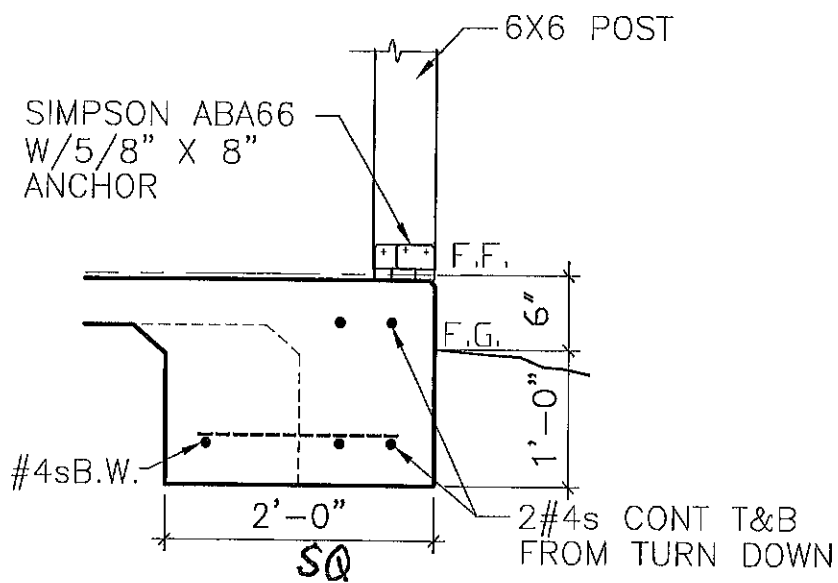
1 WALL SECTION

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



2 DETAIL

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

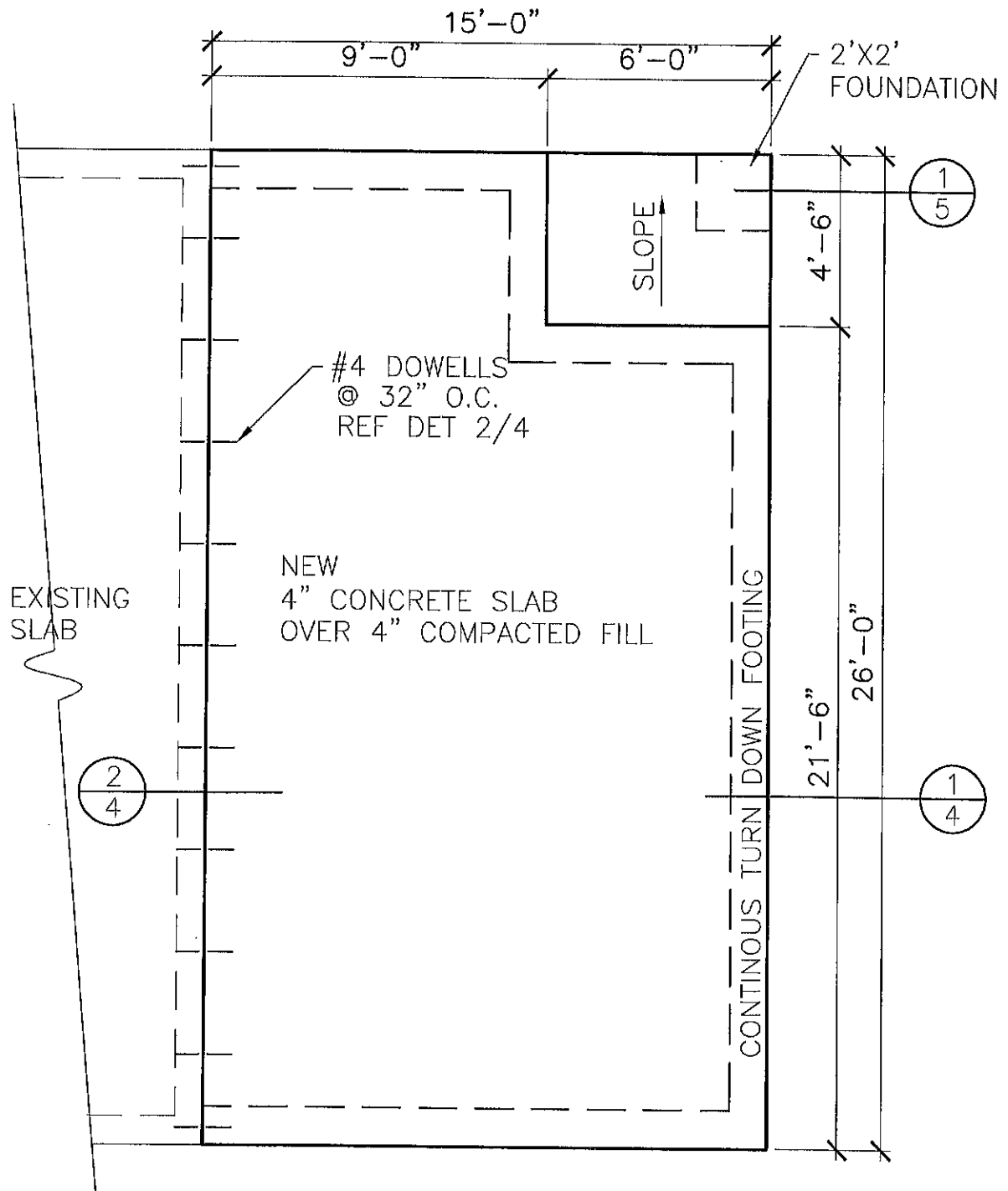


1 DETAIL

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

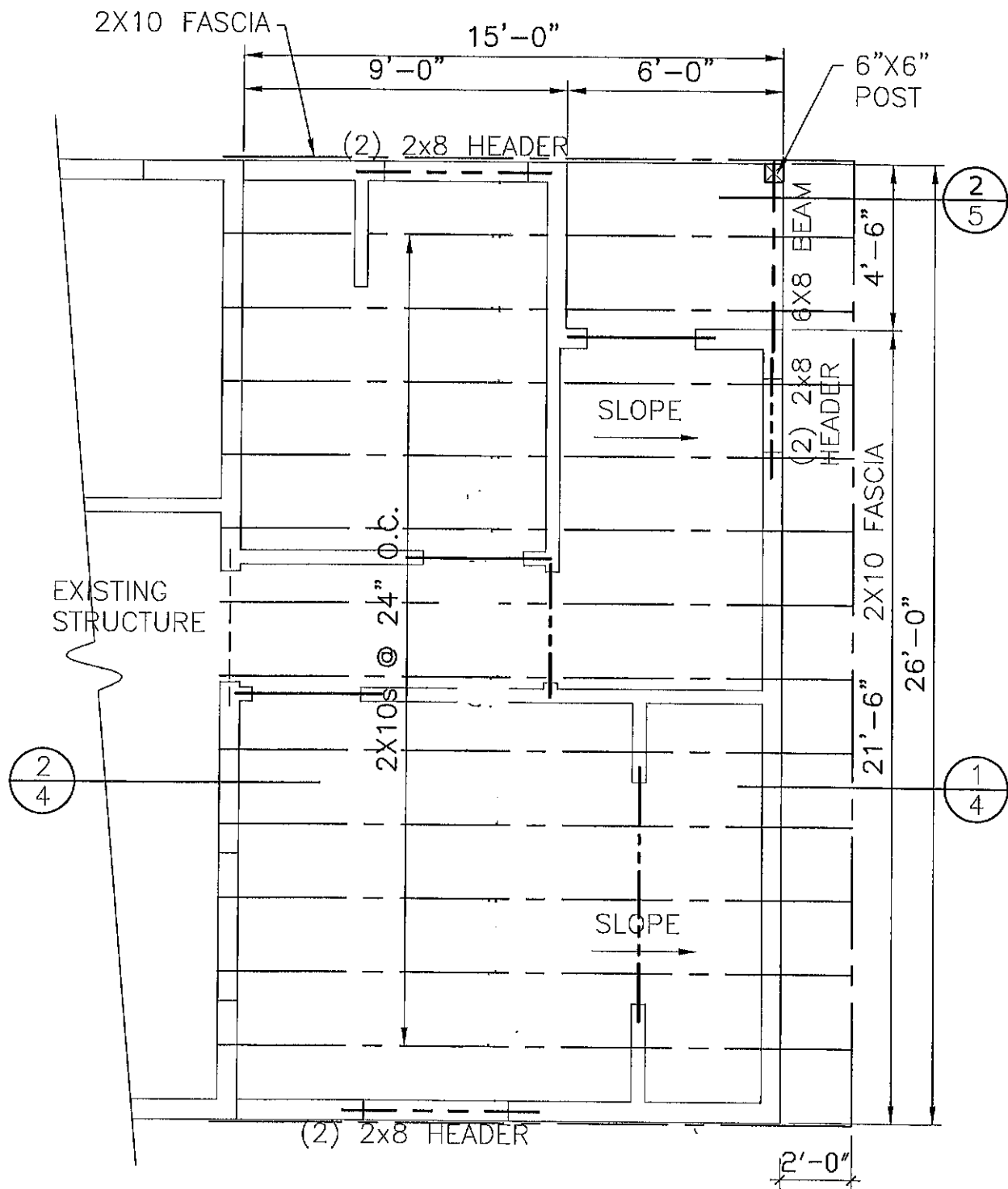
GENERAL NOTES:

- 1. 1,500 PSF SOIL PRESSURE ASSUMED
- 2. USE MINIMUM OF 2,500 PSI CONCRETE
- 3. PROVIDE TERMITE TREATMENT



FOUNDATION PLAN

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

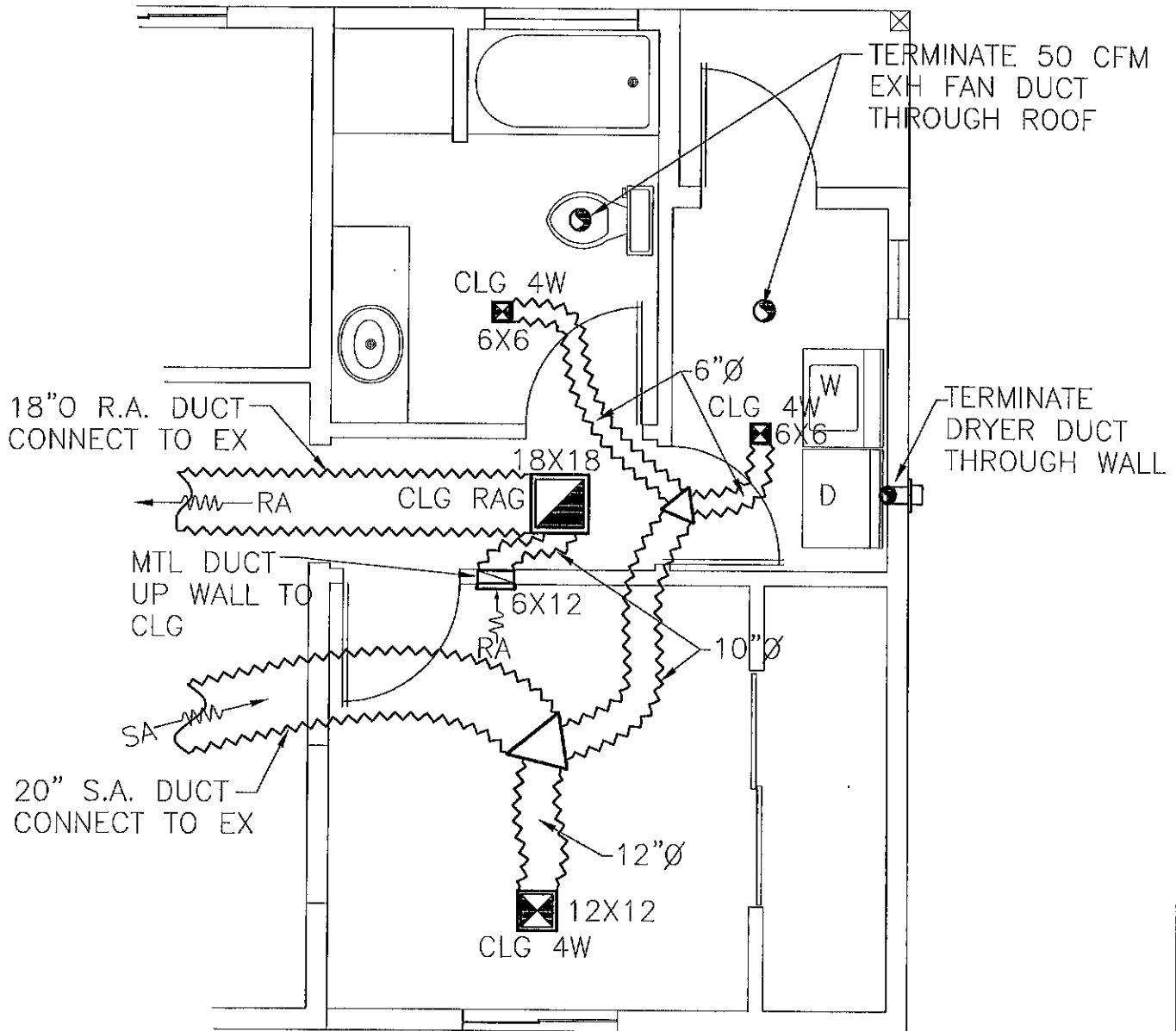


FRAMING PLAN

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

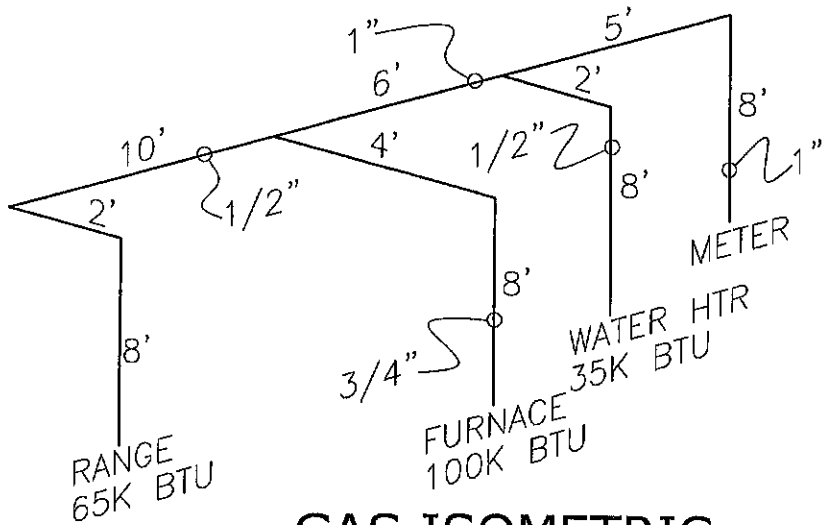
GENERAL NOTES:

1. ALL MECHANICAL WORK TO COMPLY WITH 2018 IRC
2. CONNECT NEW DUCTWORK TO EXISTING DUCT WORK IN ATTIC



HVAC PLAN

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



GAS SCHEDULE	
TOTAL DEV. LENGTH:	39'
TOTAL DEMAND:	200K

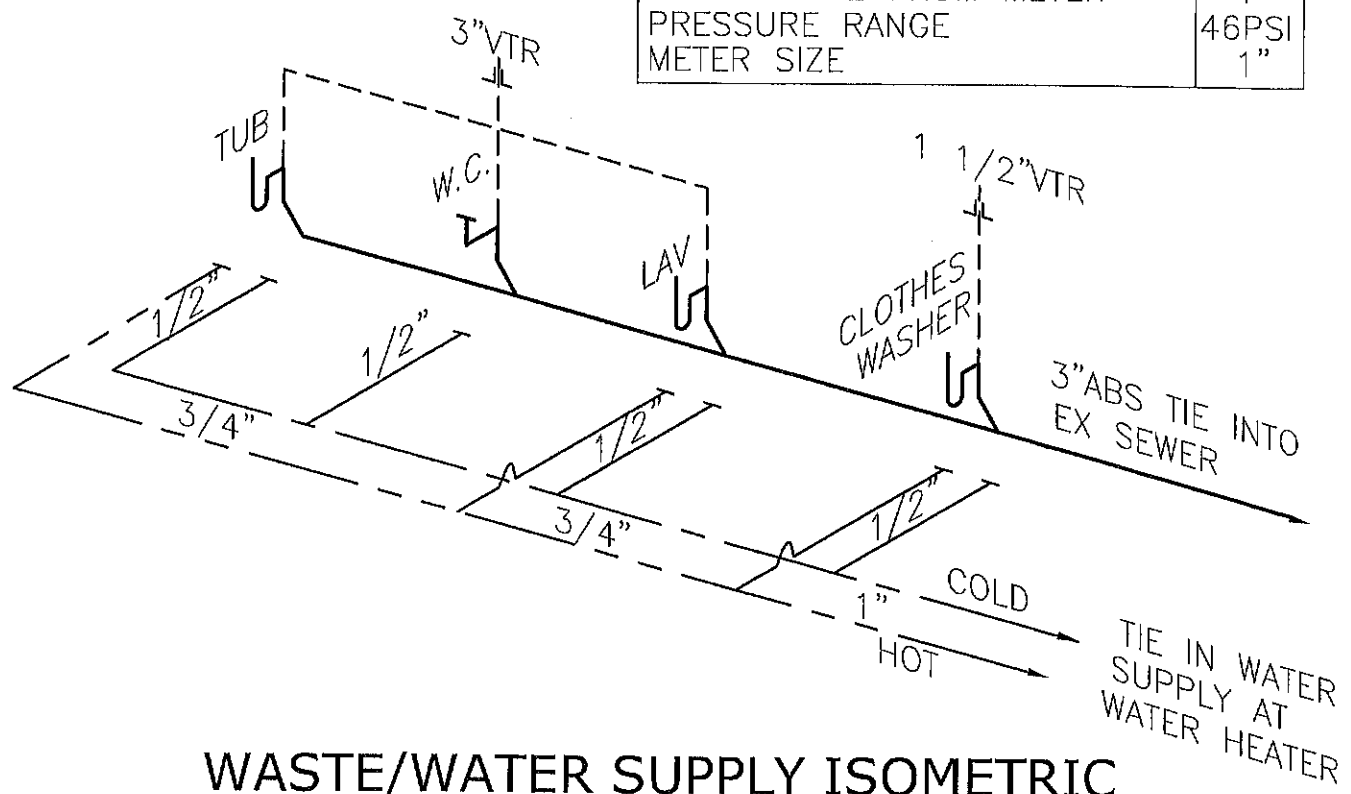
GAS ISOMETRIC

NOT TO SCALE

GENERAL NOTES:

1. ALL PLUMBING WORK TO COMPLY WITH **2018 IRC**

WATER SUPPLY FIXTURE UNIT SCHEDULE			
	FU	QTY	TOTAL
TUB/SHOWER	4	1	4
WATER CLOSET	2.5	1	2.5
LAVATORY	1	1	1
CLOTHES WASHER	4	1	4
EXISTING			17
TOTAL			28.5
TOTAL DEV LENGTH			150'
SUPPLY LINE FROM METER			1"
PRESSURE RANGE			46PSI
METER SIZE			1"

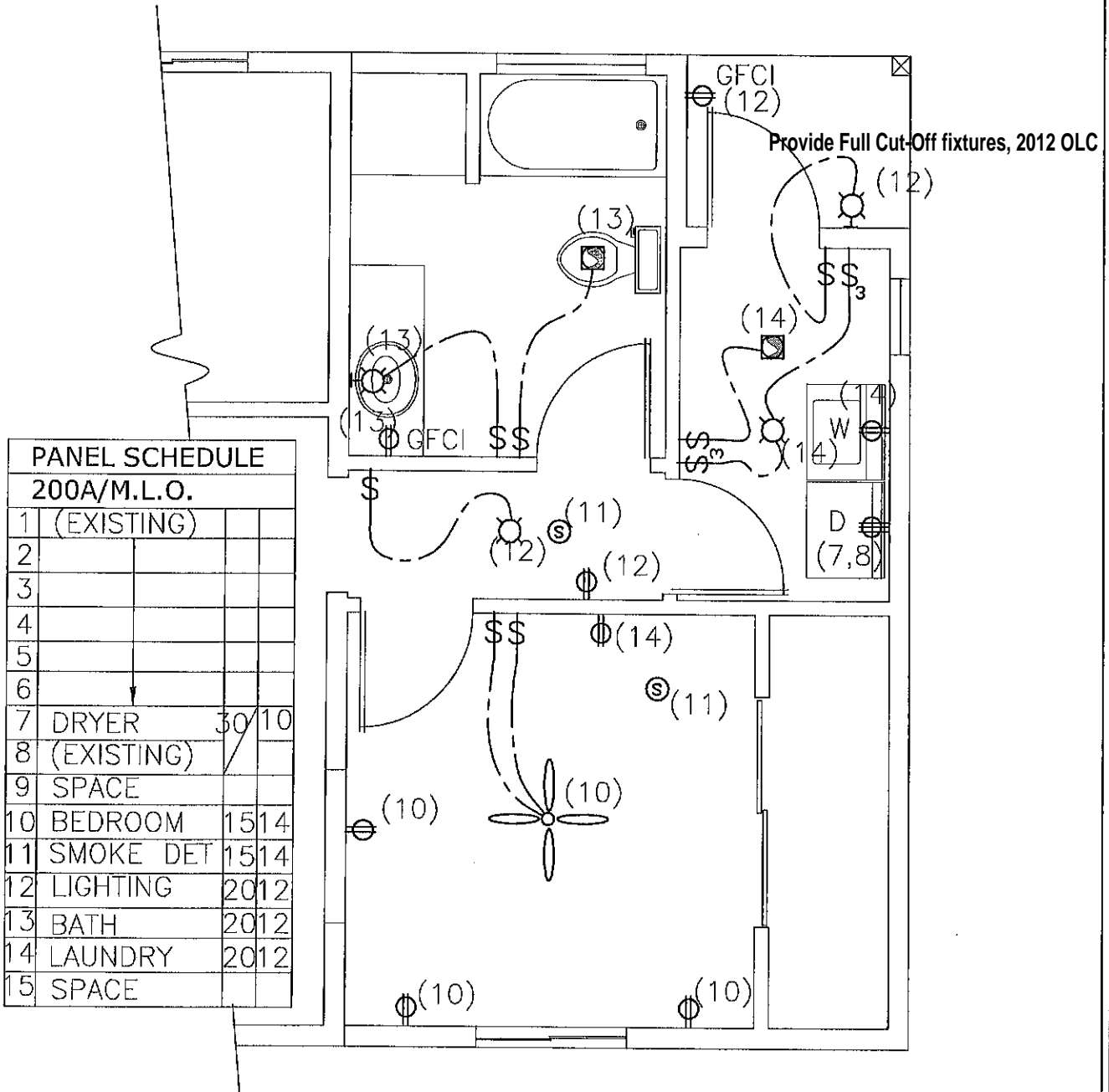


WASTE/WATER SUPPLY ISOMETRIC

NOT TO SCALE

Provide arc-fault circuit interrupter protection for all new or modified 120V - 15A & 20A non-GFCI circuits.

Provide tamper resistant receptacles for 125 volt, 15A and 20A receptacles-R4002.14.



ELECTRICAL PLAN

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