

STRUCTURAL GENERAL NOTES

LIVE LOADS
ROOF-----25 PSF
FLOOR -----40 PSF

WIND-----120mph, exposure C
SEISMIC----- ZONE C
soil: clay 1500 pcf
wind will control over seismic

CONCRETE
CONCRETE IS DESIGNED AT 2500 PSI AT 28 DAYS. CONTRACTOR TO POUR 3000 PSI MIX AT 28 DAYS WITH NO SPECIAL INSPECTION OR SAMPLING REQUIRED TO ALLOW FOR SOONER BACKFILL.

BEARING WALL FRAMING
SHALL BE 2X6 STUDS AT 16" ON CENTER UNLESS NOTED OTHERWISE. ALL DOOR AND WINDOW HEADERS SHALL BE 6x12 WITH CRIPPLE AND ONE STUD EACH END FOR OPENINGS.

FRAMING CONNECTORS SHALL BE SIMPSON STRONG-TIE OR EQUAL. EXTERIOR WALL AND ROOF SHEATHING SHALL BE NAILED WITH 8d AT 6" OC EDGE AND 12" OC FIELD UNLESS SPECIFIED OTHERWISE.

MISCELLANEOUS
CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. ALL CONSTRUCTION TO MEET THE STATE OF OREGON BUILDING CODES.

Trusses
Truss manufacture to have proper equipment for setting trusses
Owner to select finish colors and materials

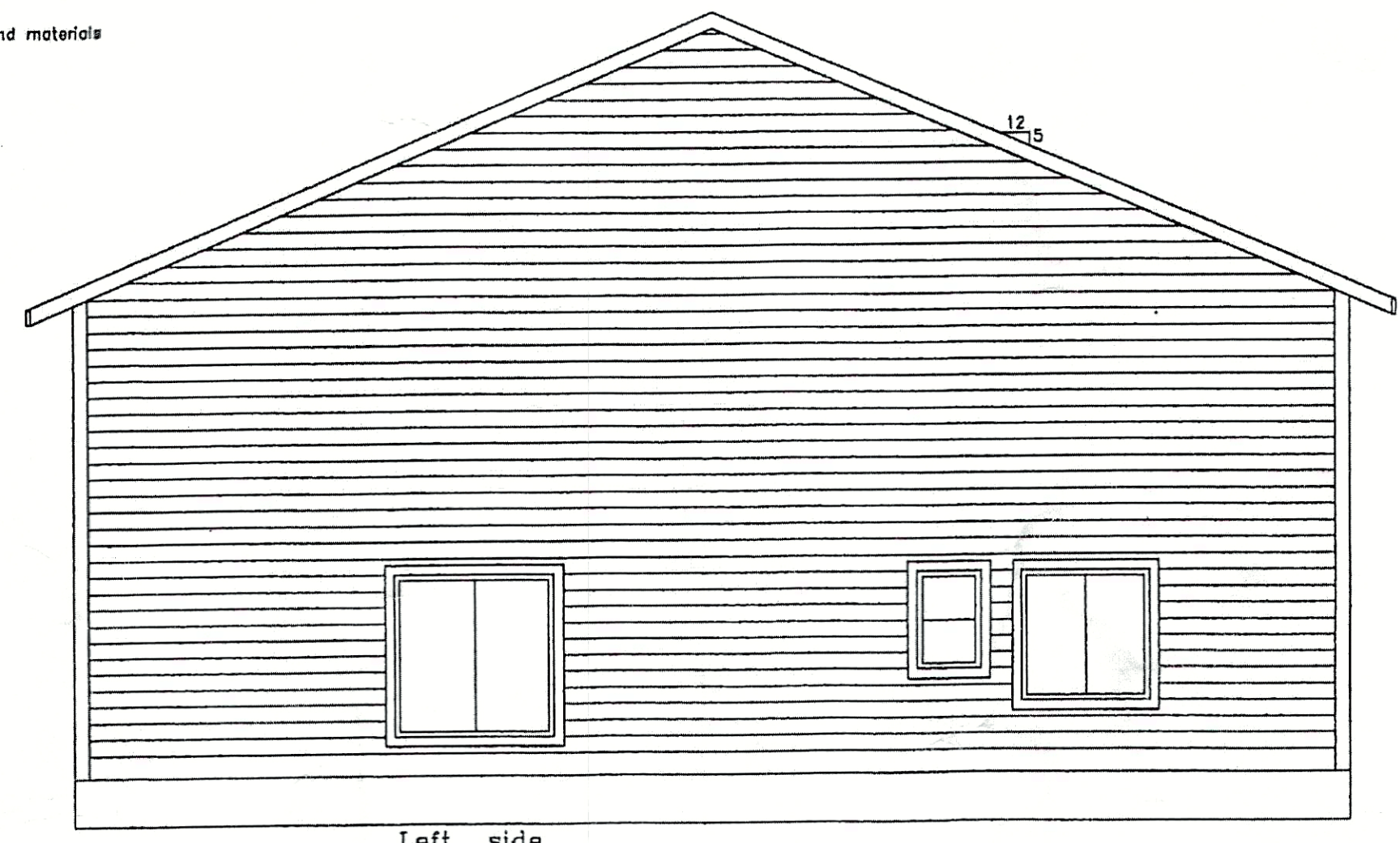
Group F-1 or S-1

table 504.3 - Type V-B building
table 504.4 - Type V-B building
table 508.2 - non-sprinklered - Type V-B building
one story under (F-1) 8500sqft & (S-1) 9000 sqft
building in one story 2800 sqft
no separation required between office area and rest of building
903.2.4 group F-1 903.2.4.1 area of wood working is less than 2500 sqft and does not require a fire sprinkler system.
Building to be a Type V-B building with non-rated wall systems

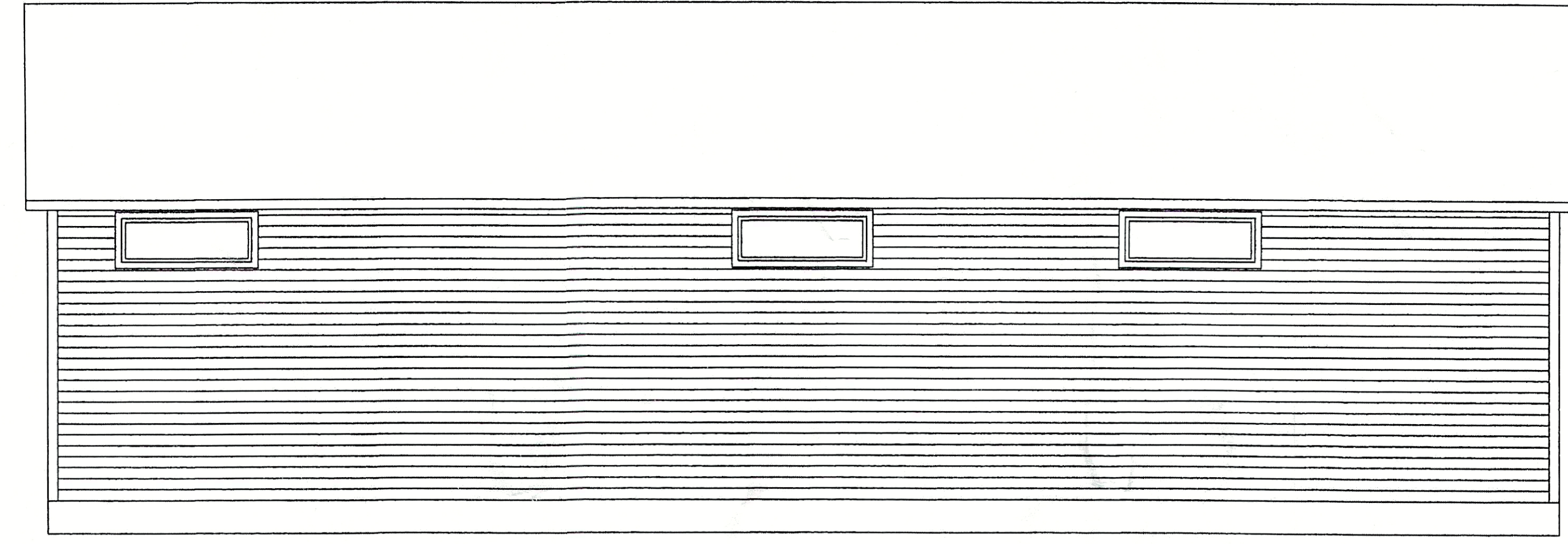
All exterior walls to be 2x6 studs

All studs are 16" oc
Trusses for roof are 24" oc
Roof Sheathing to be 5/8" cdx
Roof nailing 6" on edge 12" oc for field nailing
Wall sheathing to be 7/16" sheathing
Wall nailing to be with 8d nails as called for on plan for edge nailing and 12" oc for field nailing

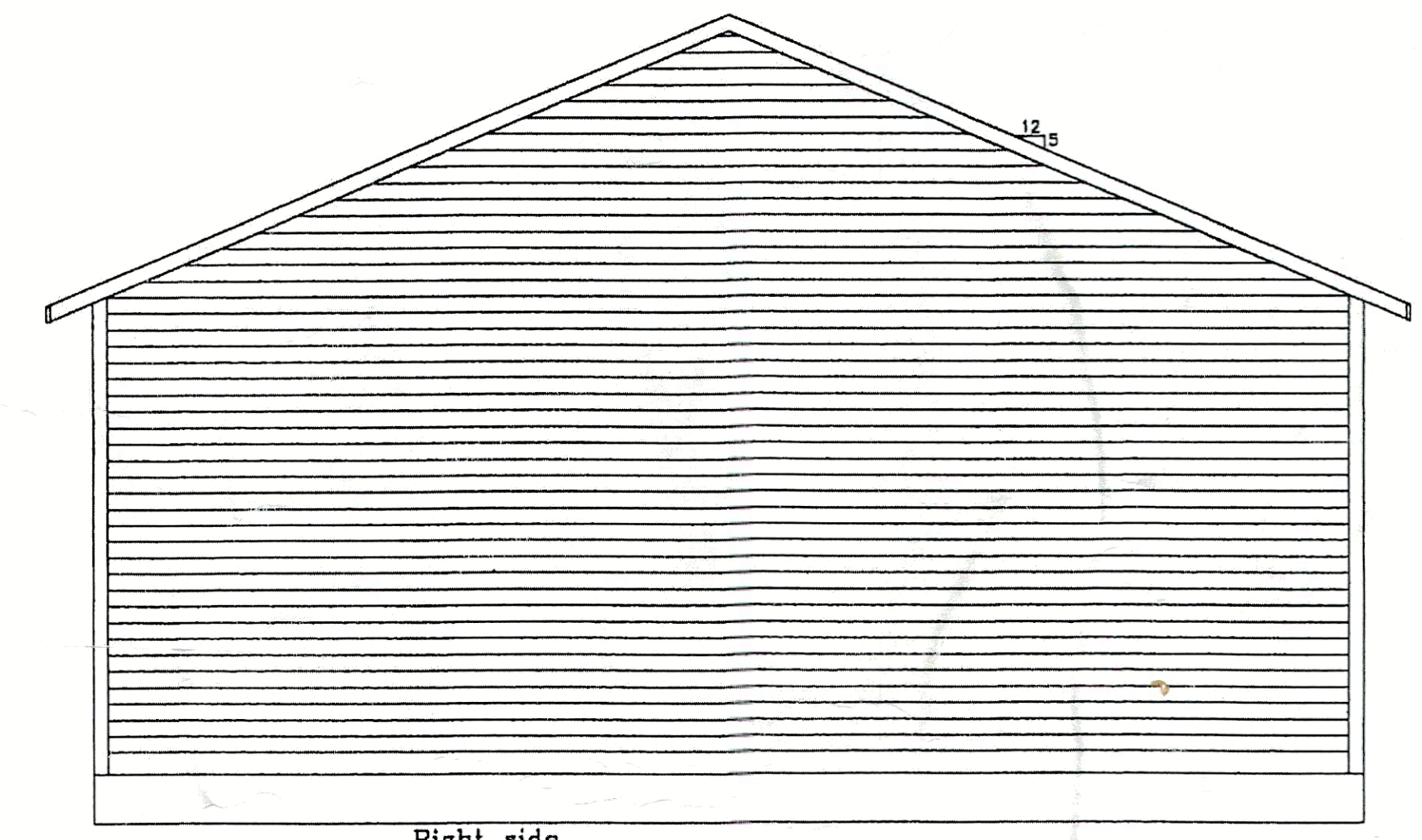
Rain drains to be installed and discharge away from the building.



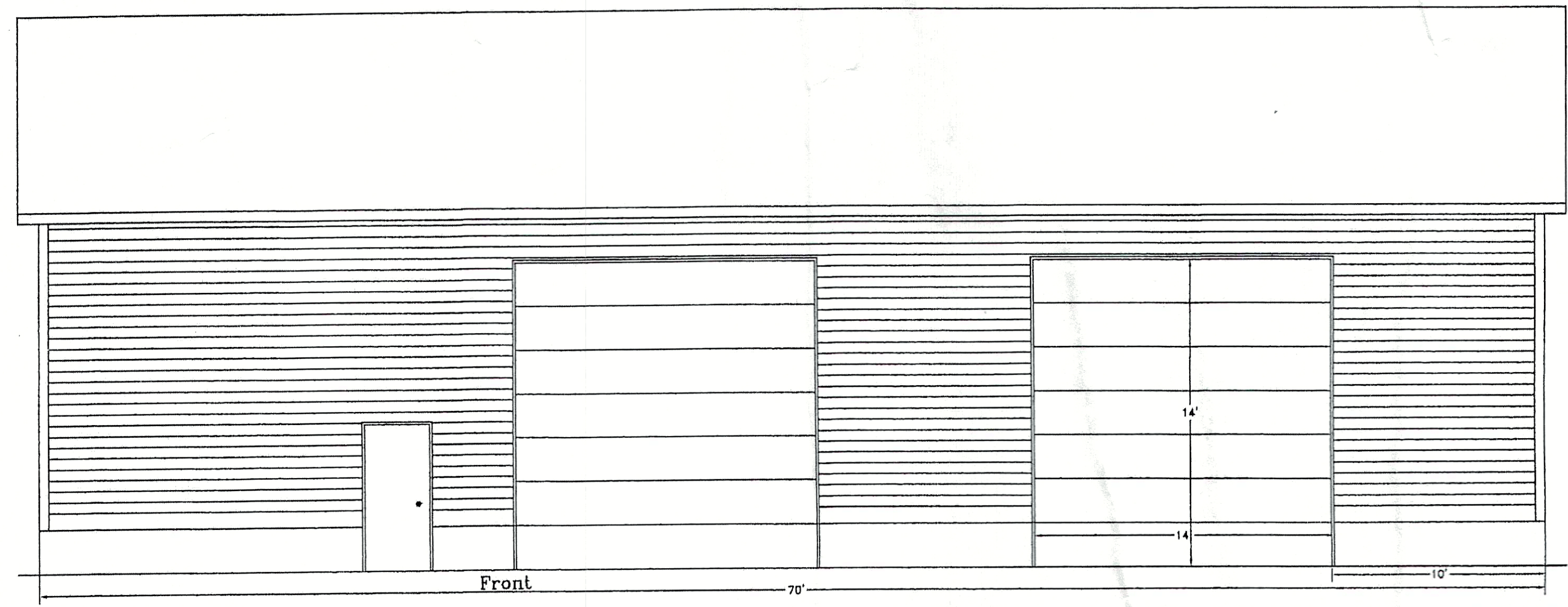
Left side



Rear



Right side



Front

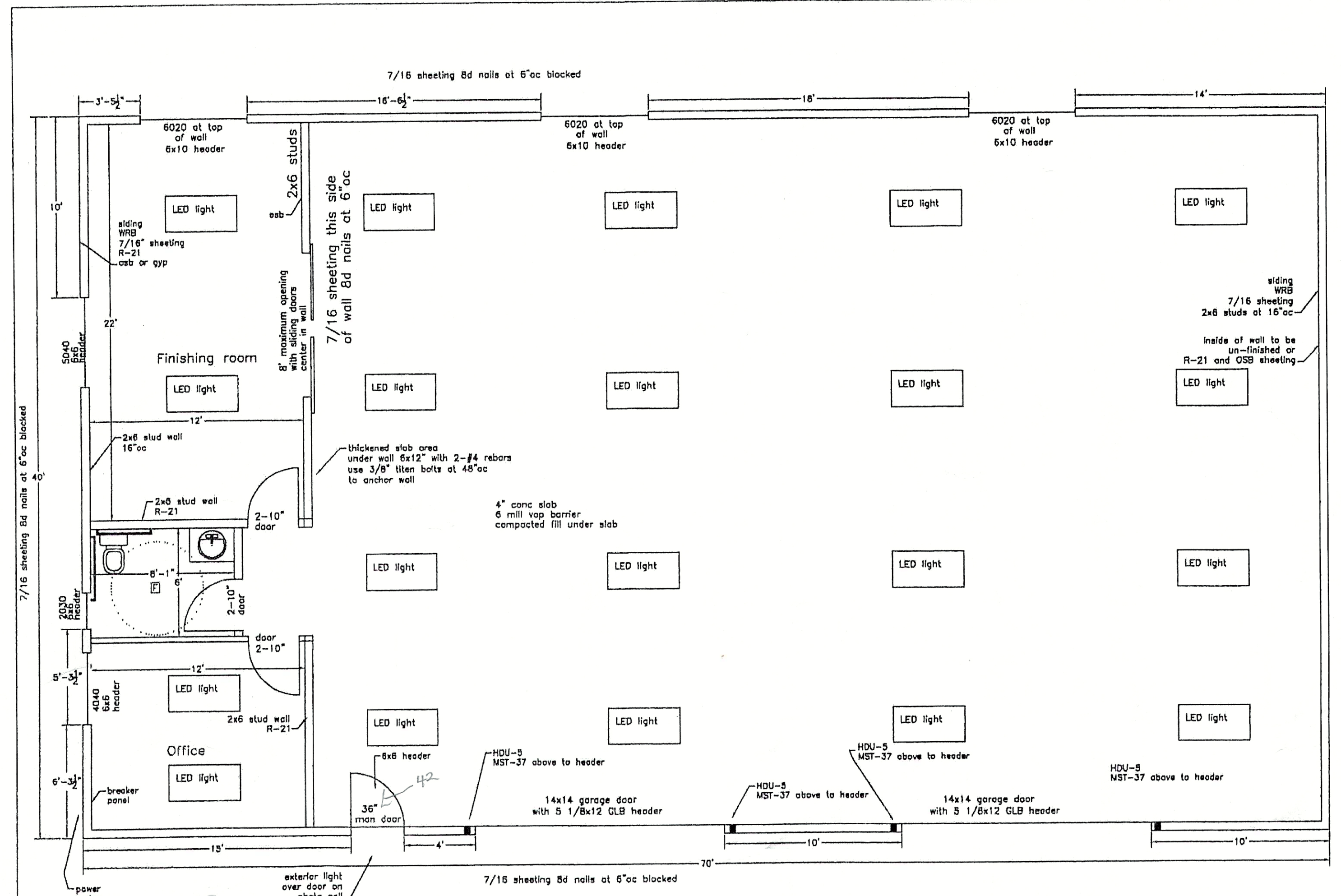
Exterior Elevations
shop 40x70
Ron Ford
42221 Kyster Lane
Astoria, Oregon 97103

Mead
Engineering LLC
89643 OCEAN DRIVE
WARRENTON, OREGON 97146
Ph. 503-738-2538
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Tax Lot 2608
Tax Map 8-07-208

EXPIRES 12/31/2024
Date: 9 July 2024



Floor Plan
2800 sqft total building

exterior walls anchor with 1/2" bolts at 32" oc
interior walls anchor with 3/8" U-bolts at 48" oc
both for to be 50cfm minimum and exhaust to the exterior of the building

This building is a conditioned space only
office area and restroom to have a cadet type heater

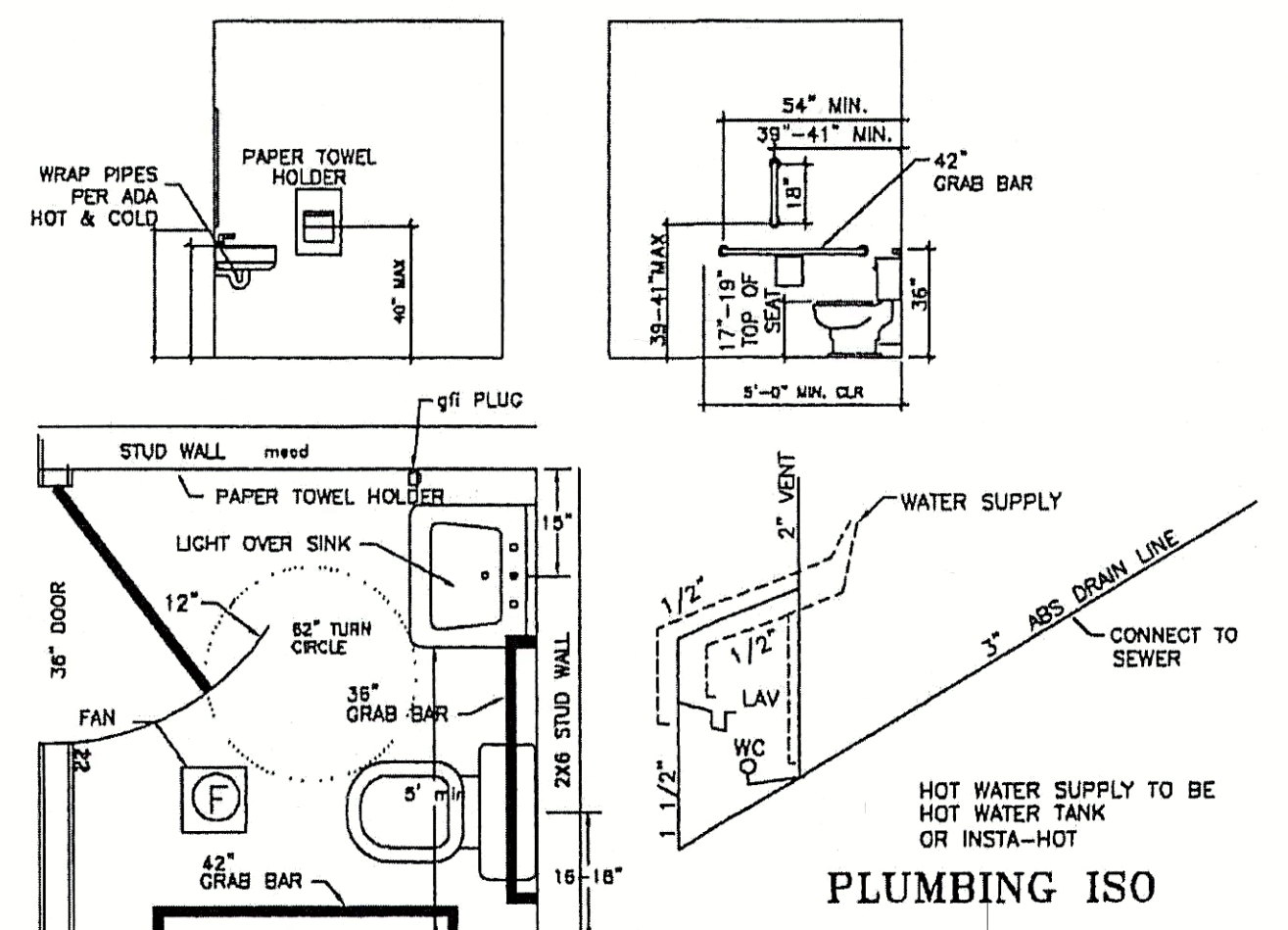
All lighting to be LED type
plugs and light switches to be located by owner
all exterior lighting to be on a photo cell

Walls and ceiling of shop to be insulated as follows if heated above conditioned space of 60°
walls R-21
Ceiling R-38

NOTES
ALL CONSTRUCTION TO MEET THE STATE OF OREGON BUILDING CODES.

LIVE LOADS
Floor --- 40 psf live load
Roof --- 25 psf snow load
WIND --- 120mph, EXPOSURE C
Soil --- Clay Bearing Value 1500 psf
SEISMIC --- SOIL CLASS D

framer to locate hold down bolts
■ HDU-S 5/8" dia bolt double stub SSTB-24 bolt in stem wall



PLUMBING ISO

RESTROOM TO MEET HANICAP STANDARDS
GRAB BARS TO BE 33-36" FROM FLOOR
TP HOLDER TO BE 19" MIN FROM FLOOR
WATER CLOSET SEAT TO BE 17-19" FROM FLOOR
LAV TO BE 34" MAX FROM FLOOR
HOT WATER SUPPLY & DRAIN TO BE INSULATED
FAUCETS TO BE LEVER OPERATED OR PUSH TYPE
HOT WATER SUPPLY TO BE FROM HOT WATER TANK
HOT WATER SUPPLY TO BE FROM HOT WATER TANK

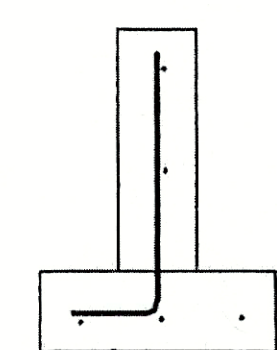
INSULATE P TRAP UNDER LAV
LEVER HANDLE ON DOOR & OCCUPIED SIGN

INTERIOR WALLS TO BE 5/8" GYP WITH GREEN BOARD (W/R) GYP WITHIN 24" OF WATER CLOSET
FLOOR TO BE VINYL OR TILE COVERING, COVE BASE TO BE 4" TALL
FRP TO BE INSTALLED 42" TALL AROUND TOILET FRAMERS TO INSTALL BLOCKING FOR ALL GRAB BARS

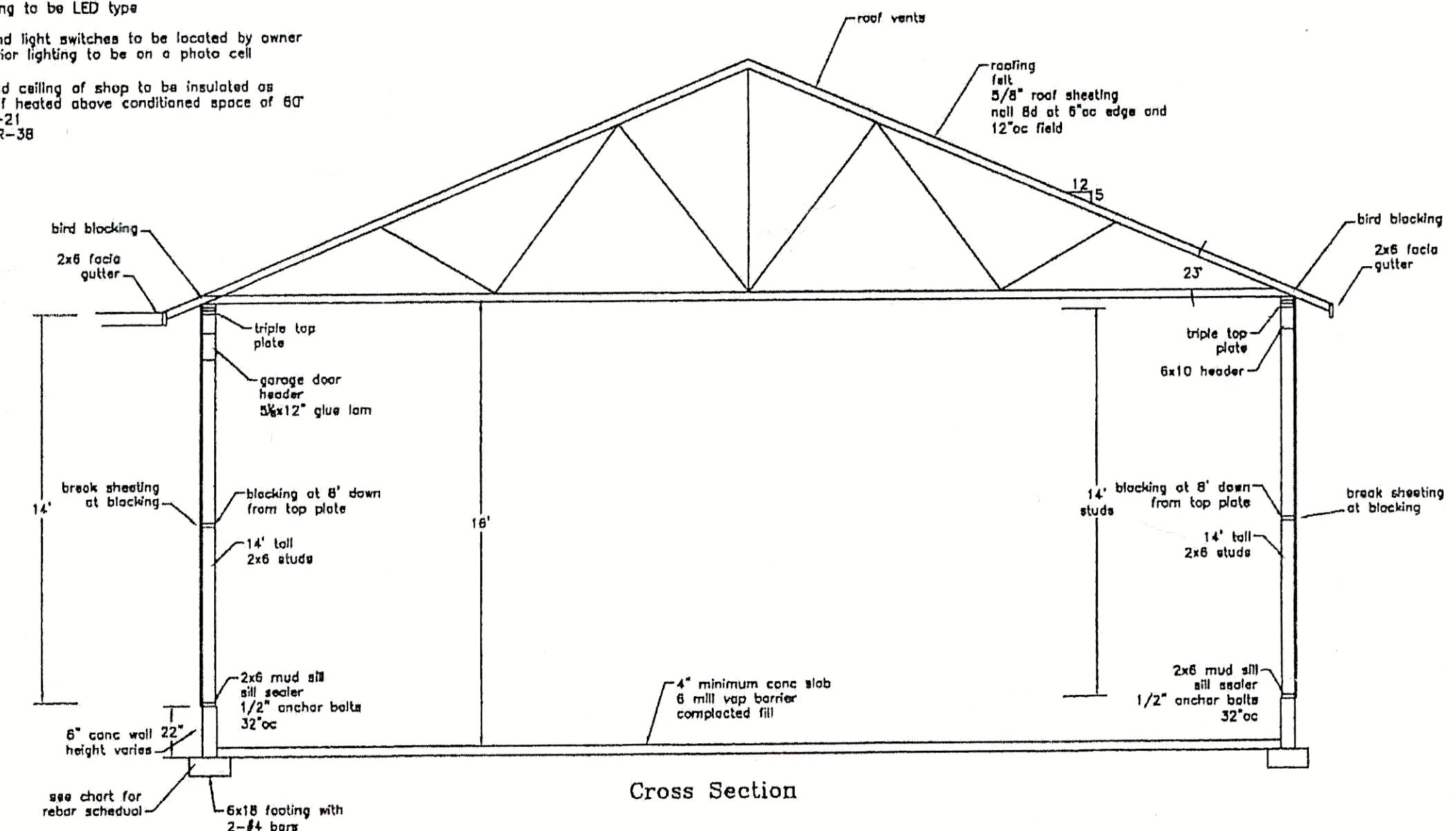
INSULATE HOT WATER/COLD & LAV WASTE PIPING
ALL WORK TO MEET ADA STANDARDS

RESTROOM DETAIL

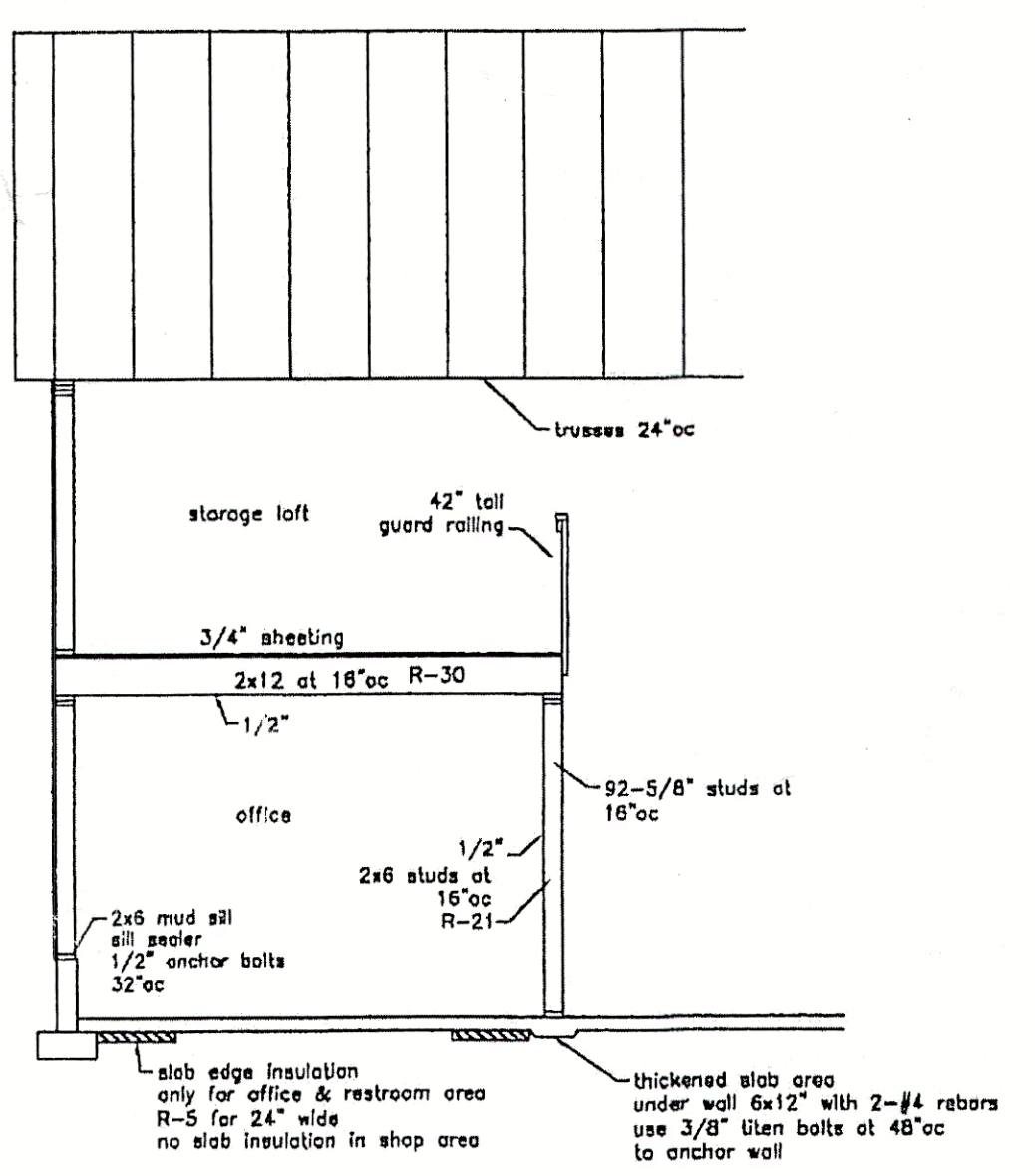
WALL HEIGHT	THICKNESS	VERT REBARS	HORZ REBARS	FOOTING SIZE	REBARS
12"	6"	#4@48"OC		6x18	2-#4
18"	6"	#4@48"OC		6x18	2-#4
24"	6"	#4@48"OC	#4@24"OC	6x18	2-#4
30"	6"	#4@48"OC	#4@24"OC	6x18	2-#4
36"	6"	#4@48"OC	#4@24"OC	6x18	2-#4



Foundation Wall



Cross Section



Floor & foundation plan
shop 40x70
Ron Ford
42221 Kylester Lane
Astoria, Oregon 97103



MEAD
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7x6 Lot 2608
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Scale 1/4"=1' Sht 2

