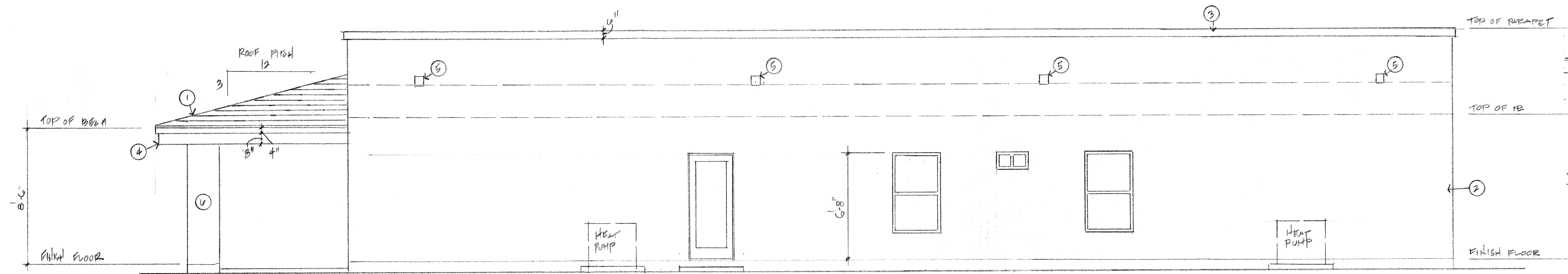


1402 N. Recker Rd.

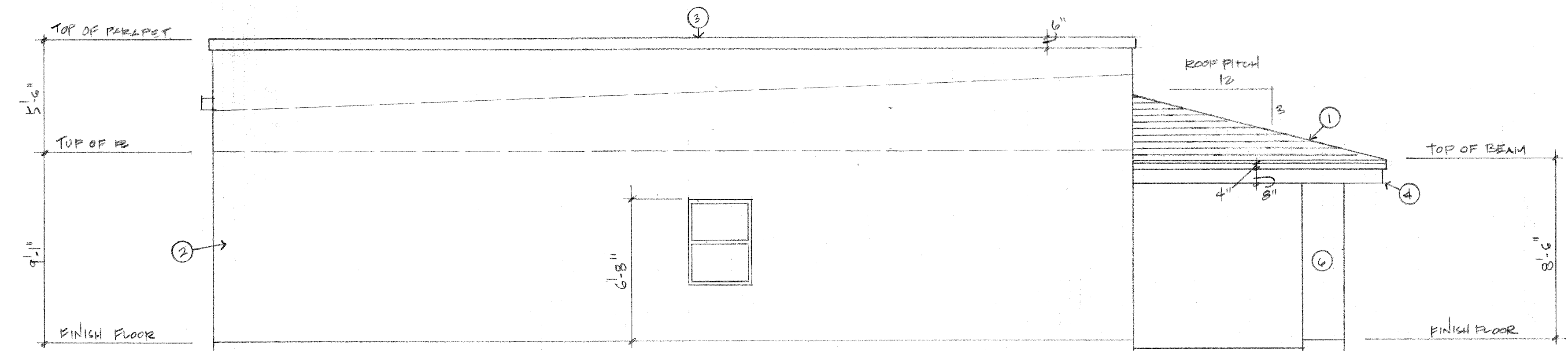
The property i am currently living in is located at 1402 N. Recker Rd. in Mesa, AZ 85205. The property is considered a "Flag Lot" just over an acre in size and is in the vicinity of the major crossroads of Recker Rd. and Brown Rd. There is currently a single family home located on the property and an accessory dwelling unit along with site plans is being submitted for approval. The proposed accessory dwelling unit does not conform to City of Mesa Zoning Codes with regards to the square footage of the Accessory Dwelling Unit at the current zoning status (RM7) of the property. At the discretion of the planning director a plan for re-zoning the property to RM2 BiZ has been suggested to alleviate issues of any non-compliance in regards to the City of Mesa Zoning Codes and the current zoning status of the property.

The proposed Accessory Dwelling Unit provides for a place to take care of my elderly parents and my family to live. it will be built with similar materials and look of the current residence located on the property at this time. It provides a bedroom and bathroom for each of my parents, a small living/sitting area for them, a family kitchen/great room, a bedroom/bathroom for my wife and me and two additional bedrooms and a bathroom for my children. No garage is being proposed for this Accessory Dwelling Unit. The unit is being proposed to be built on the northern side of my property to conform to all setback requirements.

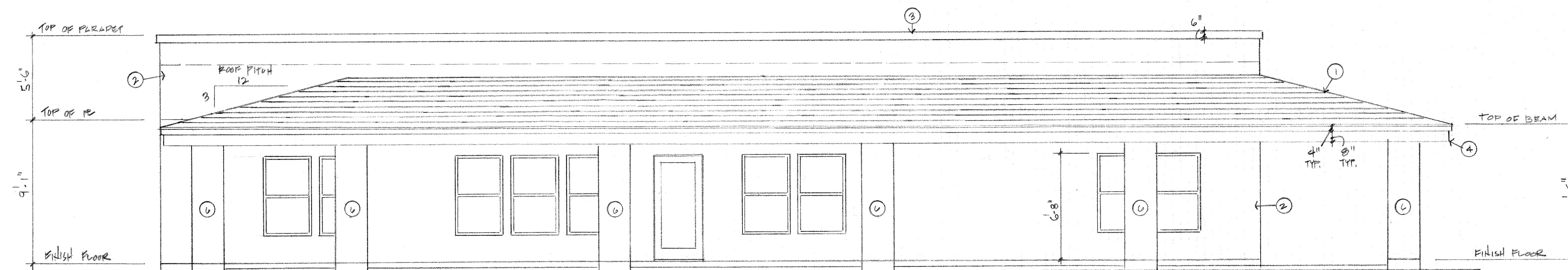
I have included an electronic set of site plans as well as structural plans and elevation plans with this packet. I have also include aerial prints taken from Google maps to show the location of the property within the City of Mesa.



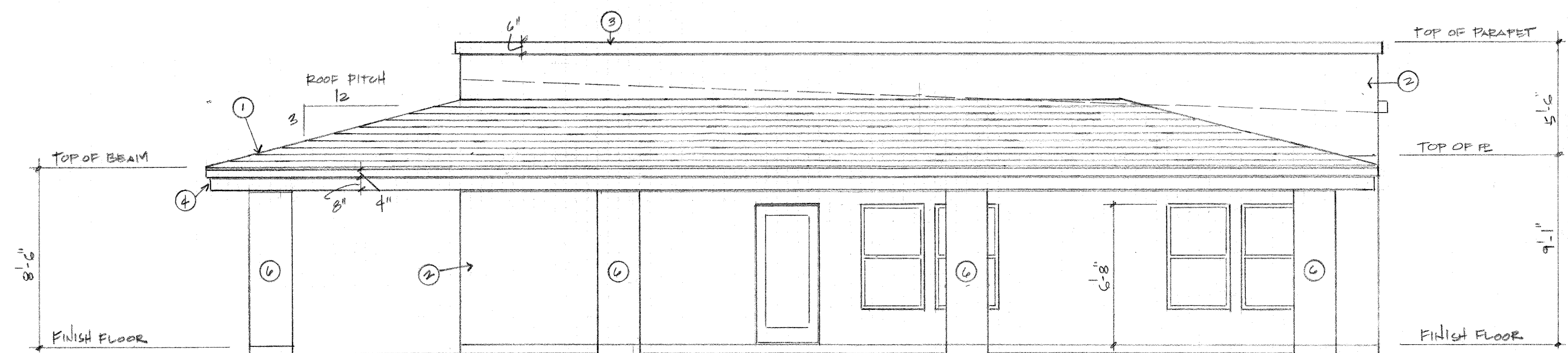
NORTH SIDE ELEVATION
1/4" = 1'-0"



WEST SIDE ELEVATION
1/4" = 1'-0"

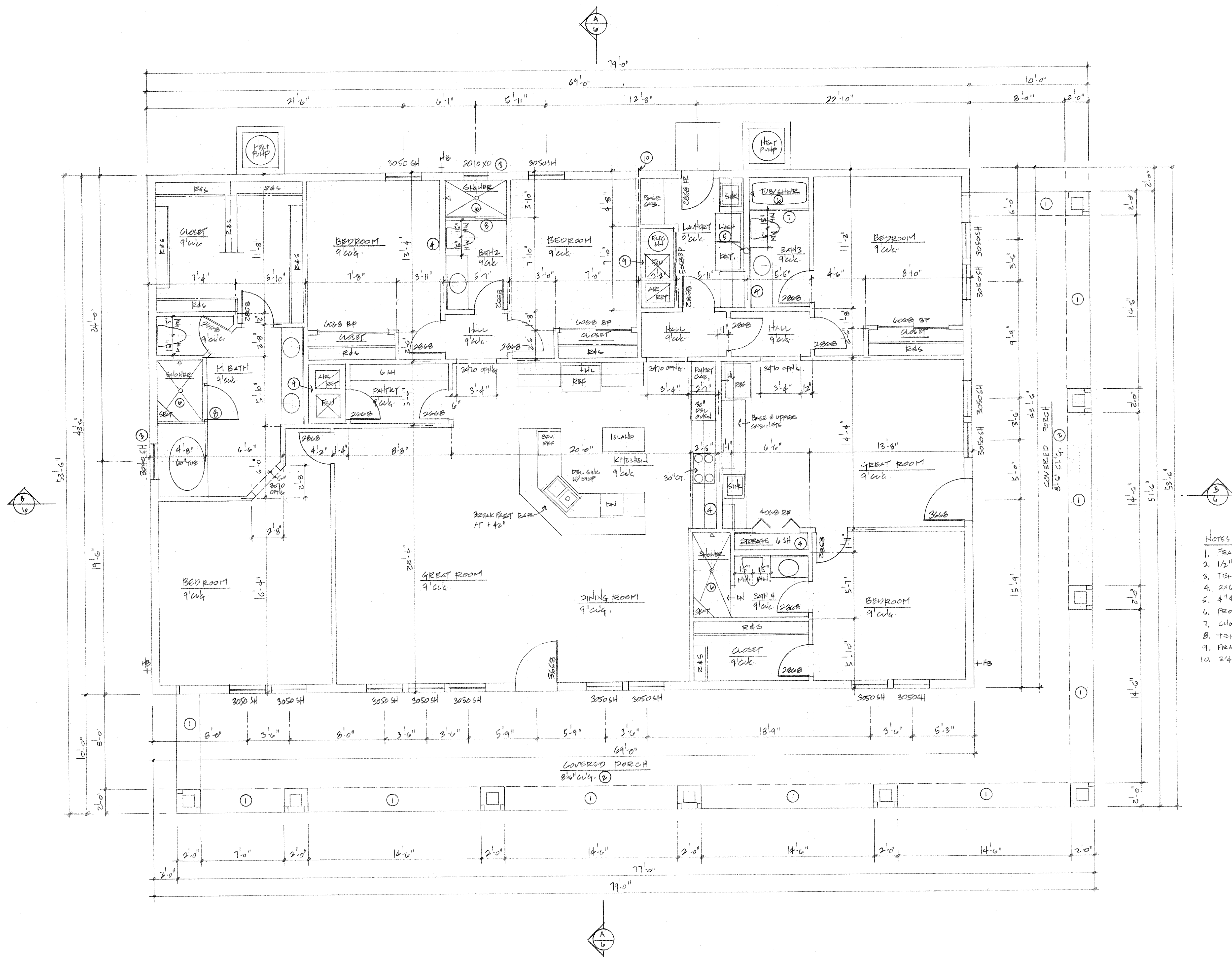


SOUTH SIDE ELEVATION
1/4" = 1'-0"



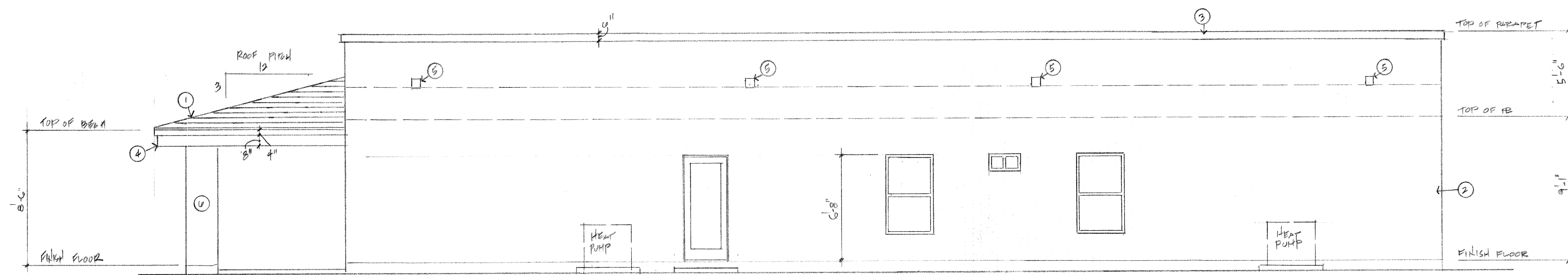
EAST SIDE ELEVATION
1/4" = 1'-0"

- NOTES
1. 6X6 DIMENSIONAL SHINGLES (ECR 1475)
 2. WESTERN ONE KOTE STUCCO FINISH (ECR 1471)
 3. PROJECT 2"
 4. STUCCO FINISH ON FRAME SOFFIT
 5. 6"X6" SCUPPER - PROJECT 6"
 6. STUCCO FINISH ON FRAME COLUMN

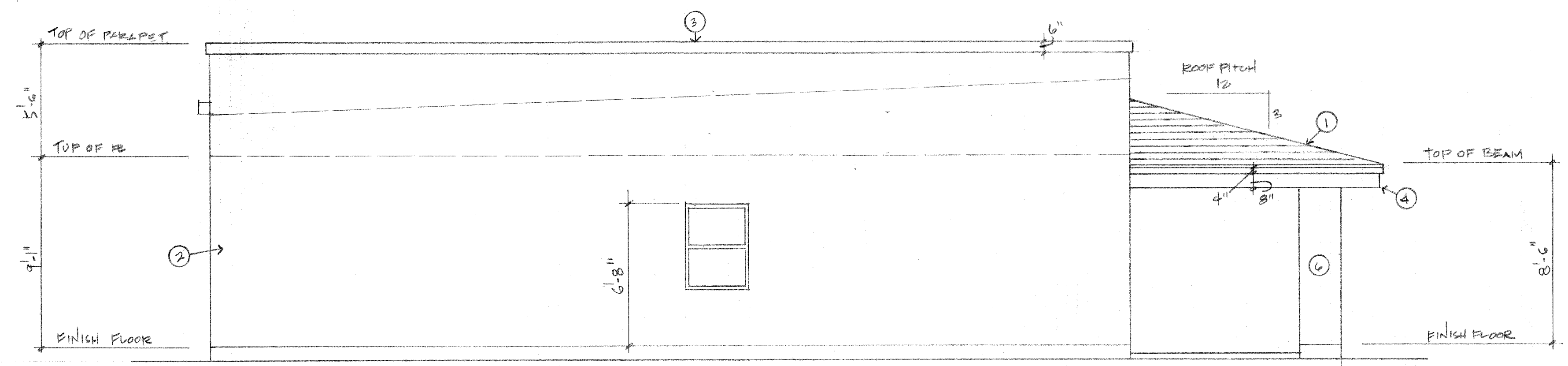


FLOOR PLAN
1/4" = 1'0"

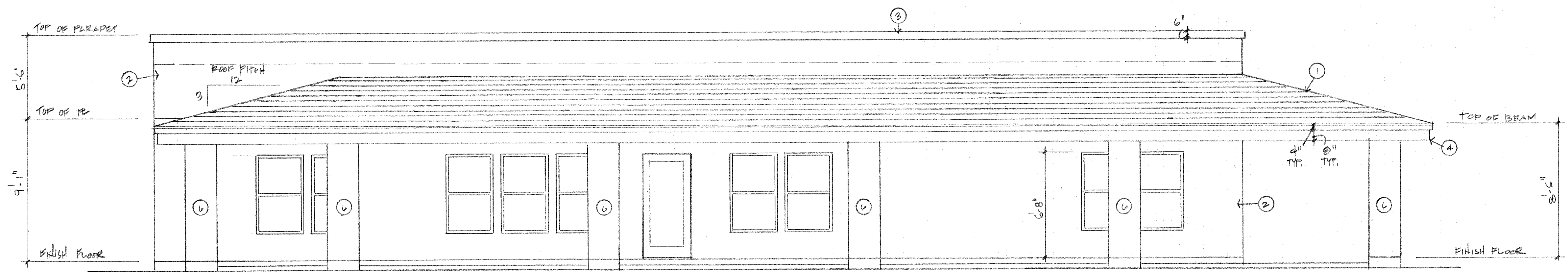
SQUARE FOOTAGE
3001 SF LIVABLE
1190 SF COVERED PORCH
4191 SF TOTAL UNDER ROOF



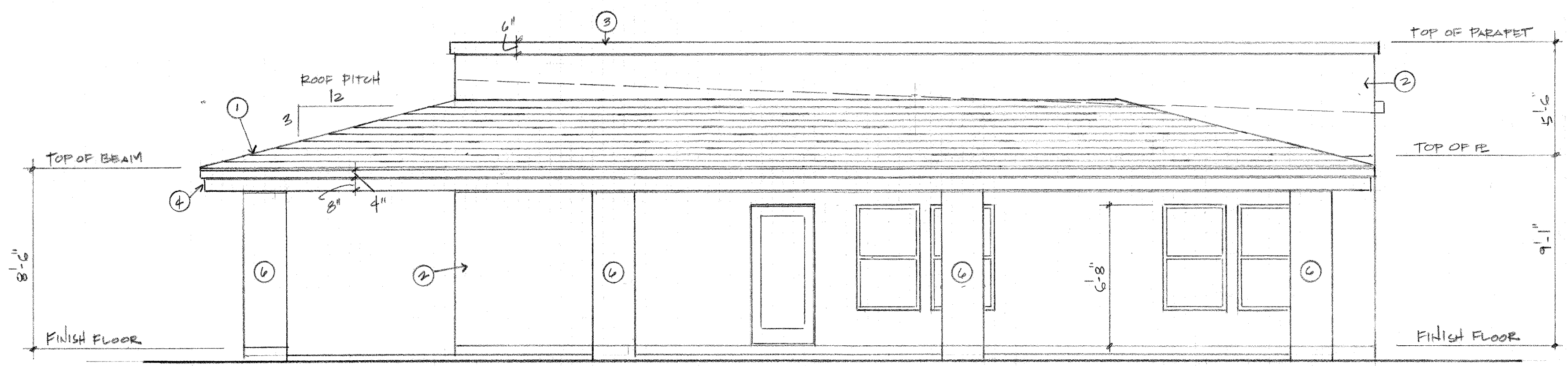
NORTH SIDE ELEVATION
1/4" = 1'-0"



WEST SIDE ELEVATION
1/4" = 1'-0"

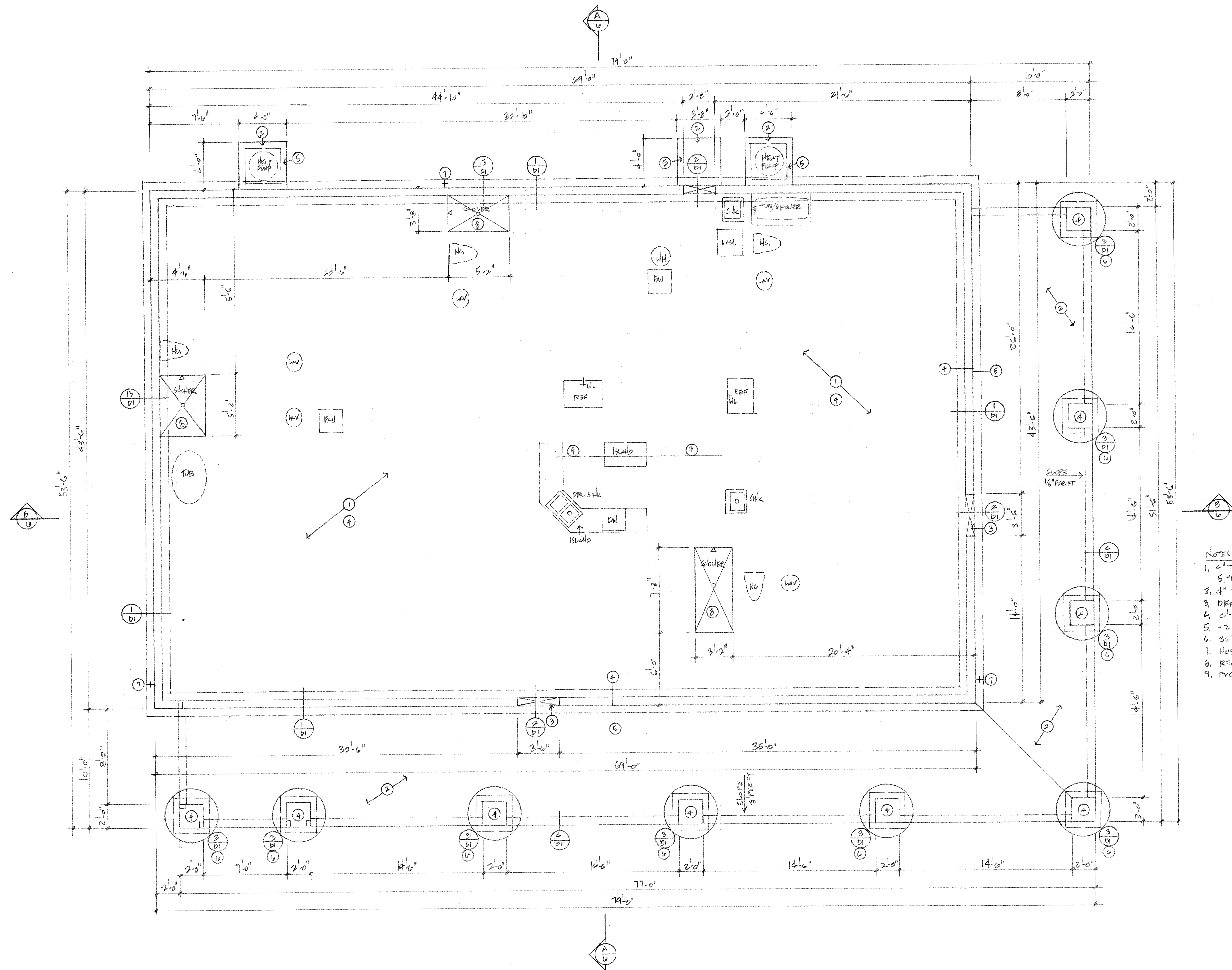


SOUTH SIDE ELEVATION
1/4" = 1'-0"



EAST SIDE ELEVATION
1/4" = 1'-0"

- NOTES
1. 6" DIMENSIONAL SHINGLES (ECR 1475)
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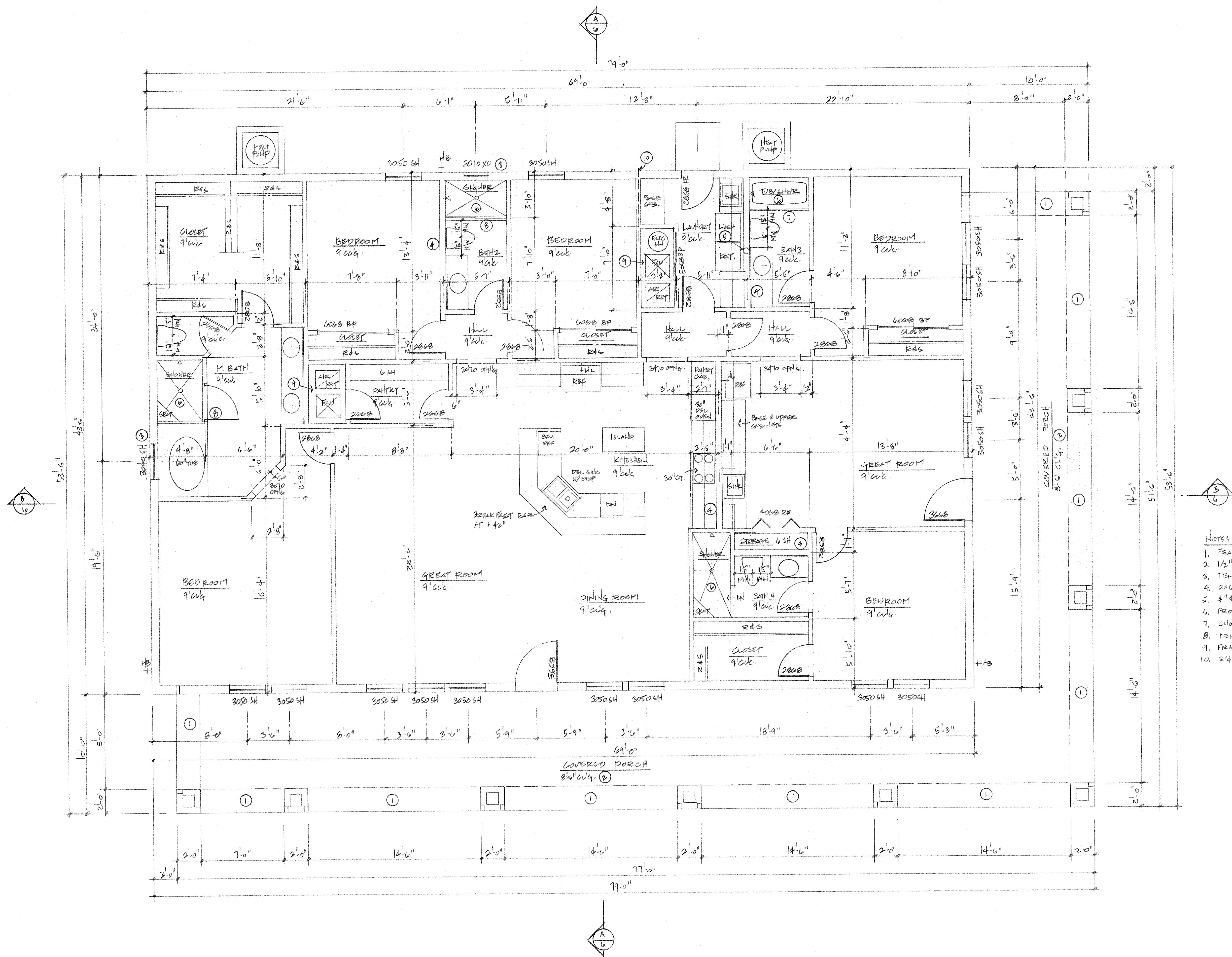


- NOTES
1. 4" THICK CONCRETE SLAB ON MINIMUM 4" THICK A.B.C. FILL WITH 5 YEAR TENURE WHITE PROTECTION
 2. 4" THICK CONCRETE SLAB
 3. DEPRESS STEM 6"
 4. 0'-0" ELEVATION
 5. -2' ELEVATION
 6. 36"x36"x12" FOOTING WITH (+) #4 HORIZ. EACH WAY
 7. HOSE BIBB
 8. RECESSED SHOWER PAN
 9. PVC UG. ELECTRICAL CONDUIT

FOUNDATION PLAN
1/4" = 1'-0"

SHEET

3



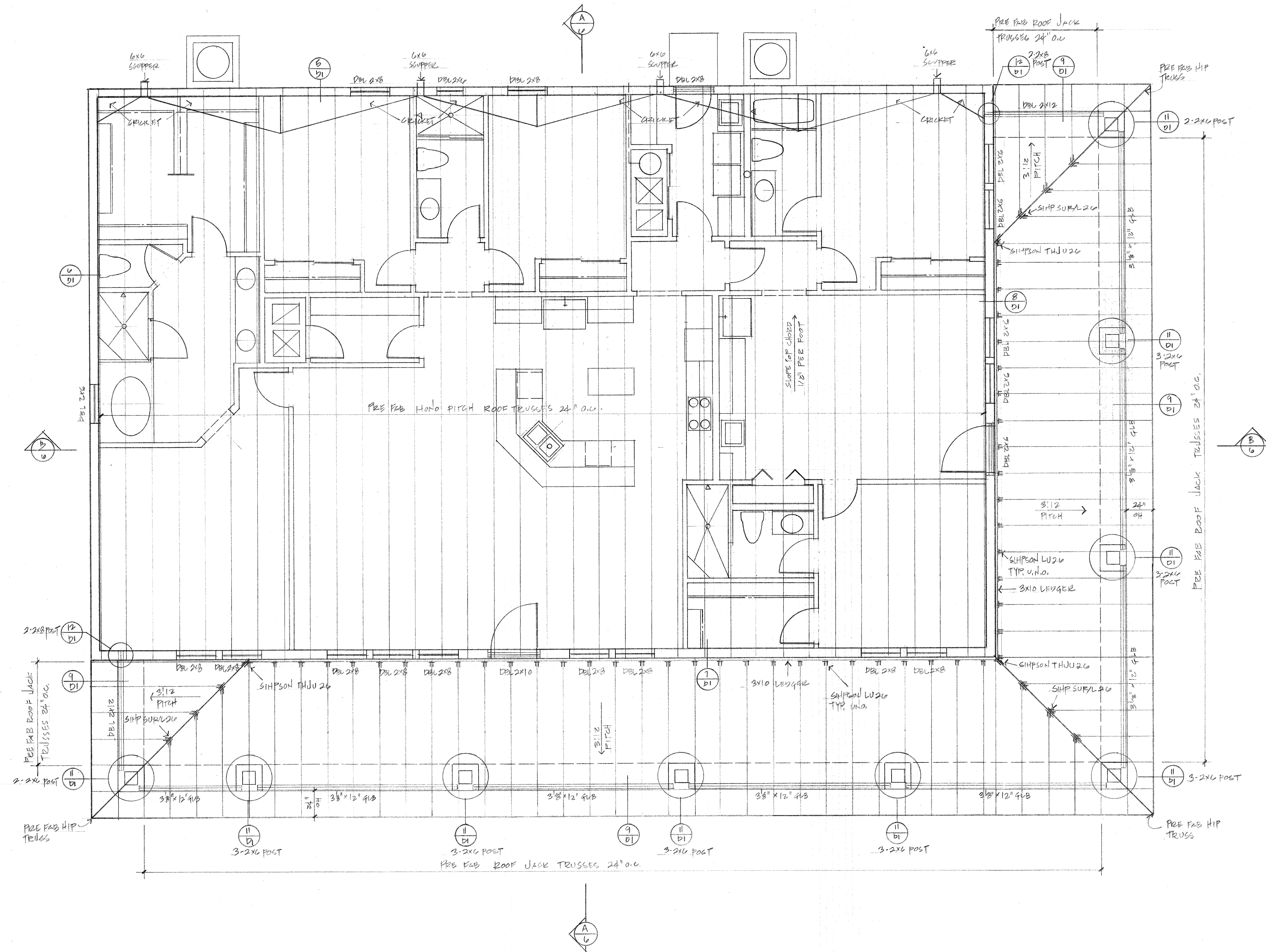
- NOTES
1. FRAME SOFFIT W/ STUCCO FINISH
 2. 1/2" SAG RESISTANT EXTERIOR GRADE SOFFIT BOARD
 3. TEMPERED GLASS
 4. 2X6 STUD WALL
 5. 4" x 8" DVT
 6. PROVIDE WATER PROOF SUBROUND TO MINIMUM 6" AFF
 7. SHOWER CURTAIN
 8. TEMPERED GLASS SHOWER DOOR & ENCLOSURE
 9. FRAME PLATFORM AT 1'6" AFF
 10. 3/4" x 1" P RELIEF LINE

FLOOR PLAN
1/4" = 1'0"

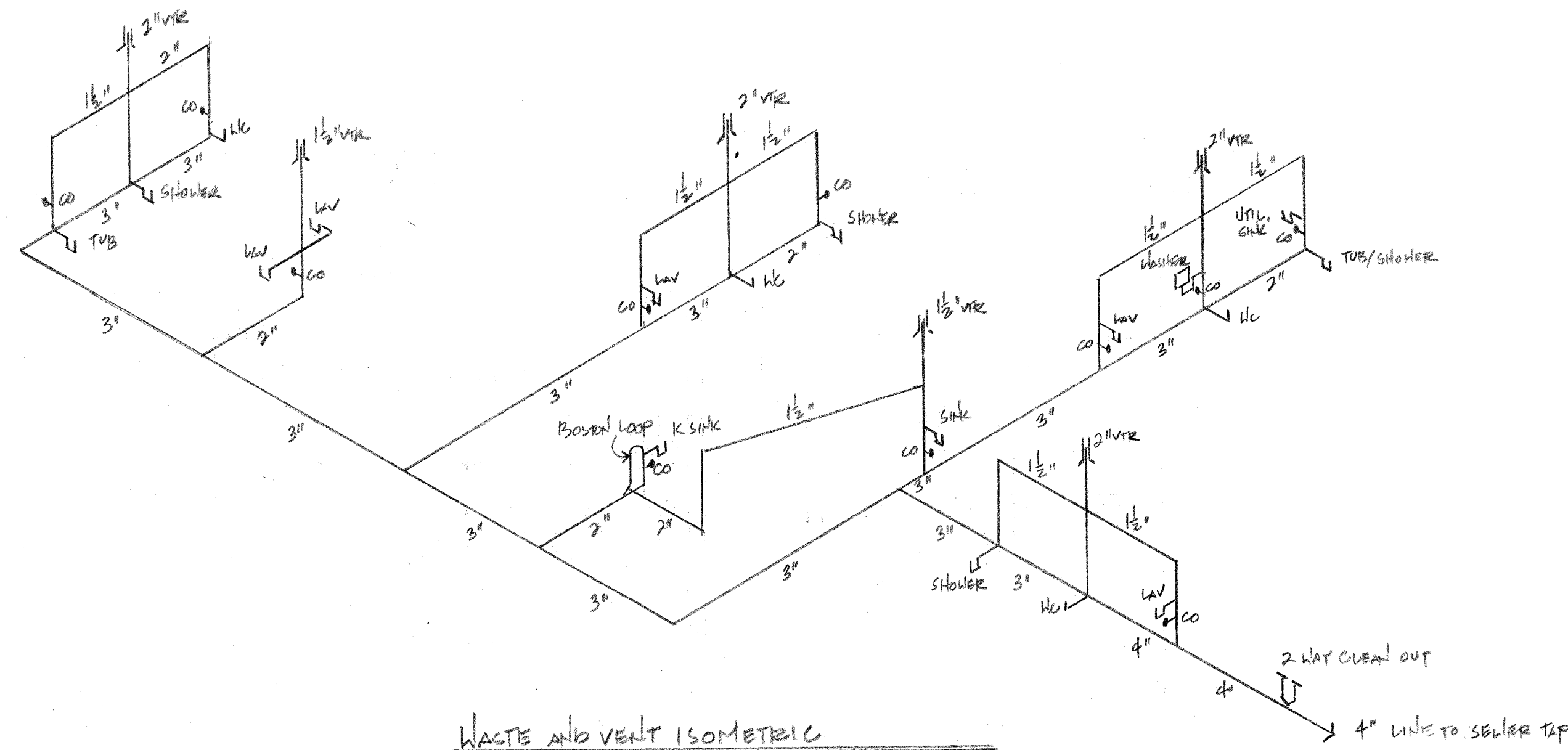
SQUARE FOOTAGE
3001 SF LIVABLE
1190 SF COVERED PORCH
4191 SF TOTAL UNDER ROOF

SHEET

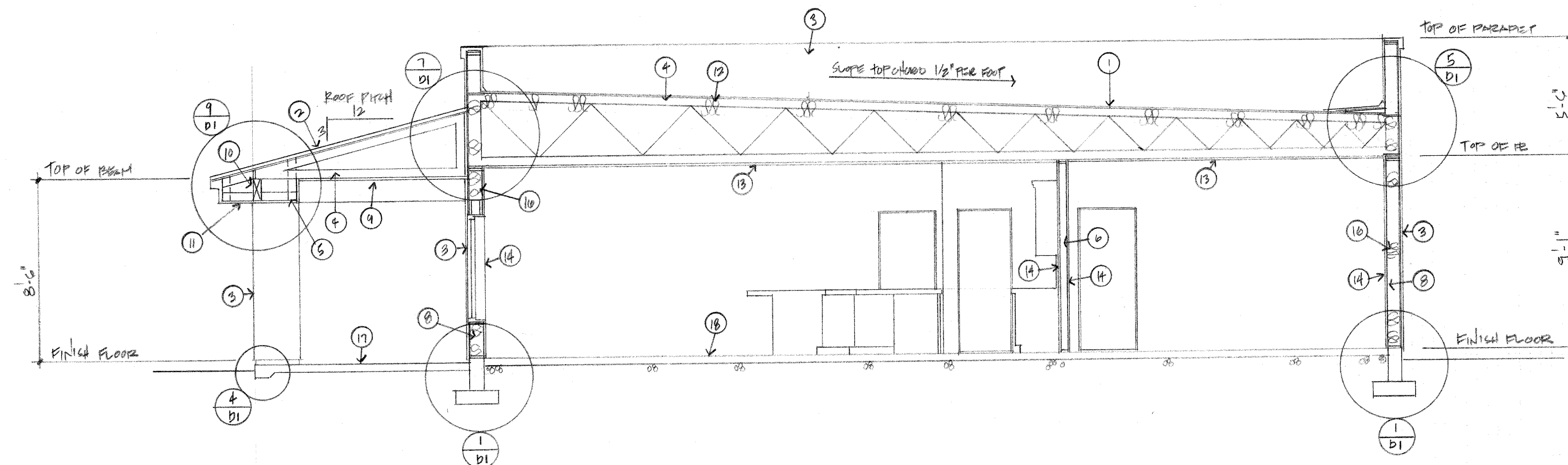
4



ROOF FRAMING PLAN
1/4" = 1'-0"



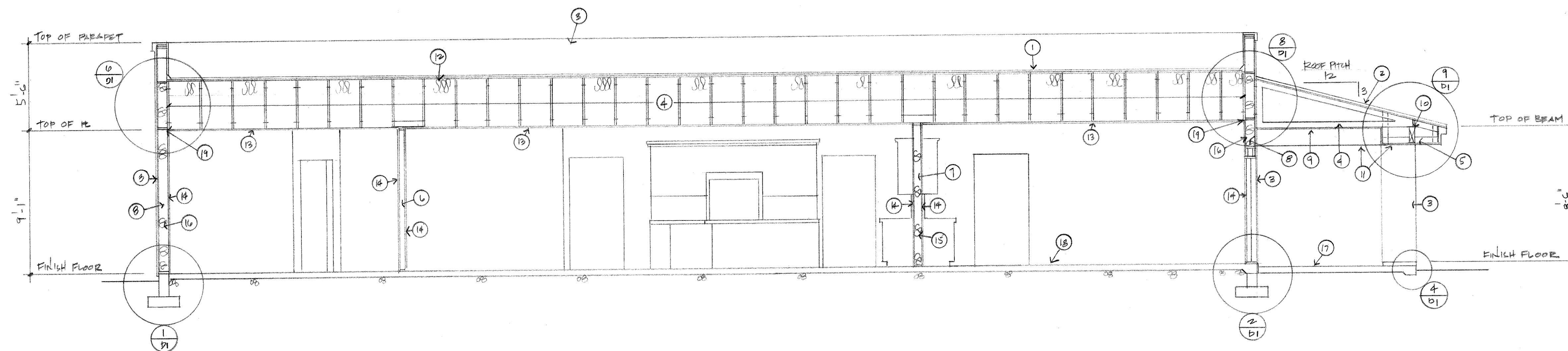
WASTE AND VENT ISOMETRIC
NOT TO SCALE - FOR PIPE SIZING & CLEAN OUT LOCATIONS



CROSS SECTION A-A
1/4" = 1'-0"

NOTES

1. 3 PLY BUILT-UP ROOFING ON 1/2" OSB ROOF SHEATHING
2. DIMENSIONAL FIBERGLASS SHINGLES ON 30# ROOFING PAPER ON 1/2" OSB ROOF SHEATHING (GAF FIBERGLASS ESR 1415)
3. WESTERN ONE COATE STUCCO (ESR 1471) ON 1" EPS INSULATION BOARD ON TYVEK (ESR 1993) ON 3/8" OSB SHEATHING
4. PRE-ENG ROOF TRUSSES AT 24" O.C.
5. 2x6 FRAMING 24" O.C.
6. 2x4 STUDS 24" O.C.
7. 2x6 STUDS 24" O.C.
8. 2x8 STUDS 16" O.C.
9. 1/2" EXTERIOR GRADE SOFFIT BOARD (ESR 1338)
10. WOOD BEAM PER PLAN
11. STUCCO ON FRAME SOFFIT
12. R38 POLYURETHANE INSULATION (ESR 1806) ON UNDERSIDE OF ROOF SHEATHING
13. 1/2" GAG RESISTANT GYPSUM BOARD AT CEILING
14. 1/2" GYPSUM BOARD AT INTERIOR WALLS
15. R-19 INSULATION
16. R-25 INSULATION
17. 4" THICK CONCRETE SLAB
18. 4" THICK CONCRETE SLAB ON MINIMUM 4" THICK A.B.G. FILL W/ 5 YEAR TERMITES PROTECTION
19. 2x8 FIRE STOP

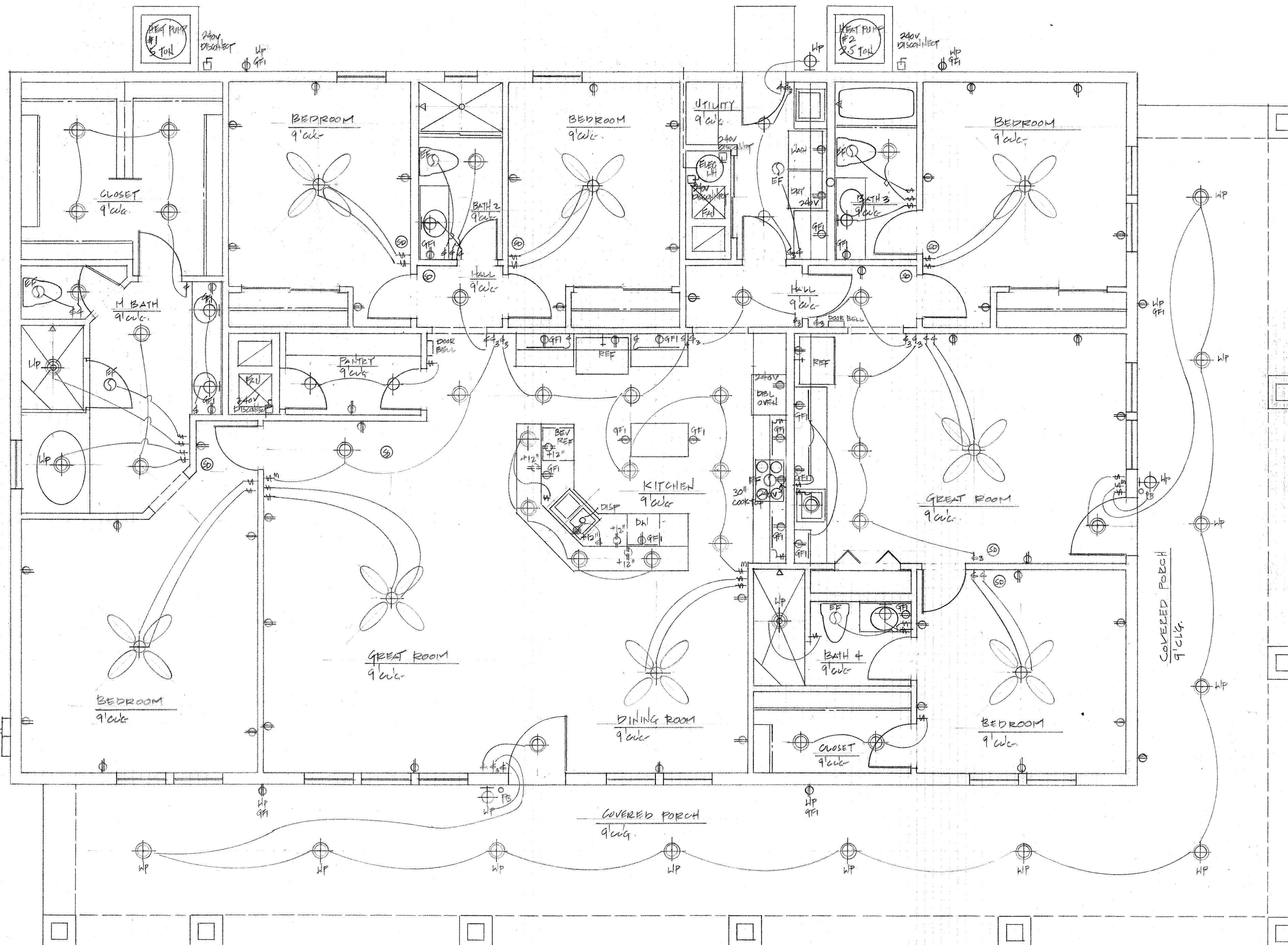


CROSS SECTION B-B
1/4" = 1'-0"

ELECTRICAL GENERAL NOTES

1. COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE ADOPTED BY THE LOCAL JURISDICTION.
2. PROVIDE AT LEAST (2) 20A SMALL APPLIANCE CIRCUITS TO SERVE THE KITCHEN AND PANTRY. DO NOT CONNECT THESE CIRCUITS TO OTHER OUTLETS.
3. PROVIDE (1) 20A CIRCUIT IN THE LAUNDRY ROOM. DO NOT CONNECT THESE CIRCUITS TO OTHER OUTLETS.
4. PROVIDE METAL OR UL LISTED FIRE RESISTIVE PLASTIC OUTLET BOXES BETWEEN THE GARAGE AND DWELLING AREAS. PROVIDE METAL OUTLET BOXES IN THE GARAGE CEILING.
5. PROVIDE BACK BOXES FOR CEILING FANS THAT ARE UL LISTED FOR THAT USE.
6. IN CLOSET, MAINTAIN A MINIMUM CLEARANCE OF 18" FROM SHELVES TO INCANDESCENT LIGHT FIXTURES AND 6" FROM RECESSED AND FLUORESCENT LIGHT FIXTURES.
7. INCANDESCENT LIGHT FIXTURES WITH OPEN OR PARTIALLY ENCLOSED LAMPS, PENDANT FIXTURES AND LAMP HOLDERS ARE NOT PERMITTED IN CLOSETS.
8. LOCATE GENERAL USE RECEPTACLES SO THAT NO POINT, MEASURED AT THE WALL ALONG THE FLOOR LINE, IS MORE THAN 6'-0" FROM A RECEPTACLE.
9. PROVIDE RECEPTACLES IN HALLWAYS 12'-0" OR LONGER.
10. LOCATE RECEPTACLES ABOVE KITCHEN COUNTER AT 48" O.C. NO SPACE ALONG THE COUNTER WILL BE FURTHER THAN 24" (MEASURED HORIZONTALLY) AWAY FROM A RECEPTACLE.
11. PROVIDE (1) RECEPTACLE FOR EVERY 4'-0" OF COUNTERTOP LENGTH FOR ISLANDS OR PENINSULAS 12" WIDE OR GREATER.
12. PROVIDE GFI RECEPTACLES FOR DEVICES LOCATED WITHIN 6'-0" OF SINKS, WASH BASINS, TUBS OR SHOWERS.
13. LOCATE RECEPTACLES AND VOICE AND DATA OUTLETS 18" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE. LOCATE LIGHT SWITCHES 48" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE.
14. PROVIDE GFI RECEPTACLE FOR WHIRLPOOL TUB PUMP.
15. PROVIDE GFI TYPE RECEPTACLES IN THE BATHROOMS AND GARAGE. PROVIDE GFI TYPE DEVICES WITH WEATHERPROOF COVER PLATES FOR EXTERIOR RECEPTACLES.
16. PROVIDE ARC-FAULT CIRCUIT INTERRUPTER TYPE CIRCUIT BREAKERS FOR BRANCH CIRCUITS THAT SUPPLY LIGHT, SINGLE PHASE 120V AND 20A LOADS SUCH AS RECEPTACLES, LIGHTING, FANS, SMOKE DETECTORS, ETC. LOCATED IN BEDROOMS.
17. PROVIDE SMOKE DETECTORS WITH BATTERY BACKUP. PERMANENTLY WIRE AND INTERCONNECT SMOKE DETECTORS.
18. PROVIDE LAMPS FOR LIGHT FIXTURES.
19. CONNECT AN GROUNDING CABLE TO THE REINFORCING STEEL LOCATED IN THE BOTTOM OF THE FOOTING VIA CORROSION WELD.
20. PROVIDE WEATHER PROOF ELECTRICAL EQUIPMENT AND FIXTURES IN EXTERIOR LOCATIONS AND INTERIOR WET LOCATIONS.
21. PROVIDE NEW PANELBOARDS WITH SHORT CIRCUIT RATING GREATER THAN THE AVAILABLE FAULT CURRENT. AS AN OPTION, COORDINATE AND CONFORM WITH EQUIPMENT MANUFACTURERS THAT FUSE/BREAKER COMBINATIONS COMPLY WITH "A" COMPONENT RECOMMENDED SERIES CONNECTED RATING. LABEL SERVICE EQUIPMENT SWITCHBOARDS AND PANELBOARDS IN ACCORDANCE WITH ARTICLES 110-25, 110-10 AND 240-60(5) OF THE NATIONAL ELECTRICAL CODE FOR A SERIES-RATED SYSTEM WITH AN AVAILABLE SHORT-CIRCUIT CURRENT AS NOTED ON THE PROJECT DOCUMENTS. OBTAIN COMPLETE REPORT OF COMMUNAL SERIES RATED COMPONENTS TO OBTAIN FOR APPROVAL. AUTHOR FULL LOAD CURRENT CONTRIBUTION SHALL NOT EXCEED 1% OF THE DOWNSTREAM DEVICE INTERRUPTING RATING IN COMPLIANCE WITH NECA STANDARDS.
22. VERIFY WITH PANELBOARD MANUFACTURER THAT THE CIRCUIT BREAKERS IN CONFORMANCE WITH THE UL STANDARD CLASS 12 OR 15 FUSES MEET UL RECOMMENDED SERIES CONNECTED RATING FOR THE VALUES INDICATED BELOW. PROVIDE RED PLASTIC LABELS WITH 8" MINIMUM WIDE LETTERS FOR RED 10-25 FOR EACH PANELBOARD WHICH READ THE FOLLOWING: "CAUTION SERIES RATED SYSTEM 65K/10K (INCLUDE FAULT CURRENT) AMPS AVAILABLE. IDENTIFY REPLACEMENT COMPONENTS SEPARATELY. PROVIDE MANUFACTURERS DOCUMENTATION FOR 1% COMPONENT RECOMMENDED SERIES RATING AND ATTACH TO INSIDE OF DOOR OF PANEL IN PROTECTIVE COVER.
23. WHERE THE AVAILABLE SHORT-CIRCUIT CURRENT IS NOT LISTED AT A PARTICULAR EQUIPMENT LOCATION, THE EQUIPMENT MANUFACTURER SHALL ASSUME FULL RESPONSIBILITY FOR VERIFYING THAT THE EXISTING OVERCURRENT DEVICES ARE PROPERLY APPLIED.
24. PROVIDE SYSTEM WHICH COMPLIES WITH NEC CODE SECTION 110-22 AND 240-60(5) AND AS INTERPRETED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
25. PROVIDE ARC FAULT CIRCUIT INTERRUPTER PROTECTION TO COMPLY WITH 2012 NEC 240.15.
26. PROVIDE TAMPER RESISTANT RECEPTACLES PER NEC 404.214.
27. PROVIDE FAN RATED PRE-WIRED LIGHTING FIXTURES PER NEC 410.161.
28. PROVIDE GFI TYPE RECEPTACLES IN GARAGE PER NEC 230.22/230.23.

200 AMP ELECTRICAL SERVICE



ELECTRICAL PLAN

1/4\"/>

ELECTRICAL LOAD CALCULATIONS

GENERAL LIGHTING & RECEPT	3001	x	3	9003	VA
KITCHEN & SMALL APPLIANCE	3	x	1500	4500	VA
DISH WASHING	1	x	1500	1500	VA
DISHWASHER	1	x	1000	1000	VA
COOKTOP	1	x	6500	6500	VA
DOUBLE OVEN	1	x	12000	12000	VA
MICROWAVE	1	x	1200	1200	VA
REFRIG	1	x	5000	5000	VA
LAUNDRY	1	x	1500	1500	VA
WATER HEATER	1	x	4500	4500	VA

TOTAL CONNECTED
1st 10,000 AT 100%
REMAINING AT 40%

46703 VA
10000 VA
14681 VA

TOTAL DEMAND

24681 VA

HVAC 1 5TON 7800 VA
FAN 1 1302 VA
HVAC 2 2.5TON 3900 VA
FAN 2 661 VA

TOTAL

28,334 VA

38,334 + 240V
SERVICE PROVIDED

159 AMP
200 AMP

SHEET

E1

SECTION M1501
GENERAL

M1501.1 Outdoor discharge. The air removed by every mechanical exhaust system shall be discharged to the outdoors in accordance with Section M1506.2. Air shall not be exhausted into an attic, soffit, ridge vent or crawl space.

Exception: Whole-house ventilation-type attic fans that discharge into the attic space of dwelling units having private attics shall be permitted.

SECTION M1502
CLOTHES DRYER EXHAUST

M1502.1 General. Clothes dryers shall be exhausted in accordance with the manufacturer's instructions.

M1502.2 Independent exhaust systems. Dryer exhaust systems shall be independent of all other systems and shall convey the moisture to the outdoors.

Exception: This section shall not apply to listed and labeled condensing (direct) clothes dryers.

M1502.3 Duct termination. Exhaust ducts shall terminate on the outside of the building. Exhaust duct terminations shall be in accordance with the dryer manufacturer's installation instructions. If the manufacturer's instructions do not specify a termination location, the exhaust duct shall terminate not less than 3 feet (914 mm) in any direction from openings into buildings. Exhaust duct terminations shall be equipped with a backdraft damper. Screens shall not be installed at the duct termination.

M1502.4 Dryer exhaust ducts. Dryer exhaust ducts shall conform to the requirements of Sections M1502.4.1 through M1502.4.6.

M1502.4.1 Material and size. Exhaust ducts shall have a smooth interior finish and be constructed of metal having a minimum thickness of 0.0157 inches (0.3950 mm) (No. 28 gage). The duct shall be 4 inches (102 mm) nominal in diameter.

M1502.4.2 Duct installation. Exhaust ducts shall be supported at intervals not to exceed 12 feet (3658 mm) and shall be secured in place. The insert end of the duct shall extend into the adjoining duct or fitting in the direction of airflow. Exhaust duct joints shall be sealed in accordance with Section M1601.4.1 and shall be mechanically fastened. Ducts shall not be joined with screws or similar fasteners that protrude more than 1/4 inch (3.2 mm) into the inside of the duct.

M1502.4.3 Transition duct. Transition ducts used to connect the dryer to the exhaust duct system shall be a single length that is listed and labeled in accordance with UL 2158A. Transition ducts shall be a maximum of 8 feet (2438 mm) in length. Transition ducts shall not be concealed within construction.

M1502.4.4 Duct length. The maximum allowable exhaust duct length shall be determined by one of the methods specified in Section M1502.4.4.1 or M1502.4.4.2.

M1502.4.4.1 Specified length. The maximum length of the exhaust duct shall be 35 feet (10 668 mm) from the connection to the transition duct from the dryer to the outlet terminal. Where fittings are used, the maximum length of the exhaust duct shall be reduced in accordance with Table M1502.4.4.1. The maximum length of the exhaust duct does not include the transition duct.

M1502.4.4.2 Manufacturer's instructions. The size and maximum length of the exhaust duct shall be determined by the dryer manufacturer's installation instructions. The code official shall be provided with a copy of the installation instructions for the make and model of the dryer at the concealment inspection. In the absence of fitting equivalent length calculations from the clothes dryer manufacturer, Table M1502.4.4.1 shall be used.

M1502.4.5 Length identification. Where the exhaust duct is concealed within the building construction, the

equivalent length of the exhaust duct shall be identified on a permanent label or tag. The label or tag shall be located within 6 feet (1829 mm) of the exhaust duct connection.

M1502.4.6 Exhaust duct required. Where space for a clothes dryer is provided, an exhaust duct system shall be installed. Where the clothes dryer is not installed at the time of occupancy the exhaust duct shall be capped or plugged in the space in which it originates and identified and marked "future use."

Exception: Where a listed condensing clothes dryer is installed prior to occupancy of the structure.

M1502.5 Protection required. Protective shield plates shall be placed where nails or screws from finish or other work are likely to penetrate the clothes dryer exhaust duct. Shield plates shall be placed on the finished face of all framing members where there is less than 1/4 inches (32 mm) between the duct and the finished face of the framing member. Protective shield plates shall be constructed of steel, shall have a minimum thickness of 0.002-inch (1.6 mm) and shall extend a minimum of 2 inches (51 mm) above sole plates and below top plates.

SECTION M1503
RANGE HOODS

M1503.1 General. Range hoods shall discharge to the outdoors through a single-wall duct. The duct serving the hood shall have a smooth interior surface, shall be air tight, shall be equipped with a back-draft damper, and shall be independent of all other exhaust systems. Ducts serving range hoods shall not terminate in an attic or crawl space or areas inside the building.

Exception: Where installed in accordance with the manufacturer's installation instructions, and where mechanical or natural ventilation is otherwise provided, listed and labeled ductless range hoods shall not be required to discharge to the outdoors.

M1503.2 Duct material. Single-wall ducts serving range hoods shall be constructed of galvanized steel, stainless steel or copper.

Exception: Ducts for domestic kitchen cooking appliances equipped with down-draft exhaust systems shall be permitted to be constructed of schedule 40 PVC pipe and fittings provided that the installation complies with all of the following:

1. The duct is installed under a concrete slab poured on grade;
2. The underfloor trench in which the duct is installed is completely backfilled with sand or gravel;
3. The PVC duct extends not more than 1 inch (25 mm) above the indoor concrete floor surface;
4. The PVC duct extends not more than 1 inch (25 mm) above grade outside of the building; and
5. The PVC ducts are solvent cemented.

M1503.3 Kitchen exhaust rates. Where domestic kitchen cooking appliances are equipped with ducted range hoods or

down-draft exhaust systems, the fans shall be sized in accordance with Section M1507.4.

M1503.4 Makeup air required. Exhaust hood systems capable of exhausting in excess of 400 cubic feet per minute (0.19 m³/s) shall be provided with makeup air at a rate approximately equal to the exhaust air rate. Such makeup air systems shall be equipped with a means of closure and shall be automatically controlled to start and operate simultaneously with the exhaust system.

SECTION M1504
INSTALLATION OF MICROWAVE OVENS

M1504.1 Installation of a microwave oven over a cooking appliance. The installation of a listed and labeled cooking appliance or microwave oven over a listed and labeled cooking appliance shall conform to the terms of the upper appliance's listing and label and the manufacturer's installation instructions. The microwave oven shall conform to UL 923.

SECTION M1506
EXHAUST DUCTS AND EXHAUST OPENINGS

M1506.1 Ducts. Where exhaust duct construction is not specified in this chapter, construction shall comply with Chapter 16.

M1506.2 Exhaust openings. Air exhaust openings shall terminate not less than 3 feet (914 mm) from property lines; 3 feet (914 mm) from operable and nonoperable openings into the building and 10 feet (3048 mm) from mechanical air intakes except where the opening is located 3 feet (914 mm) above the air intake. Openings shall comply with Sections R303.5.2 and R303.6.

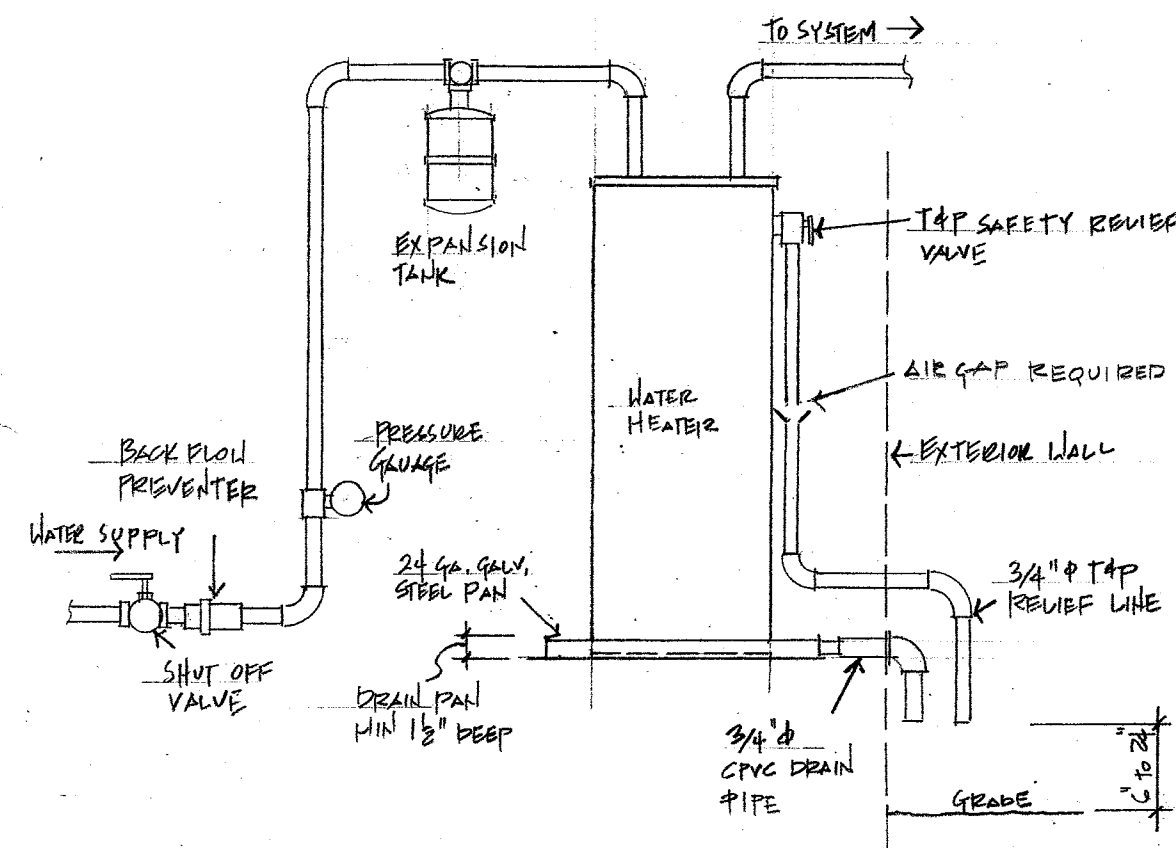
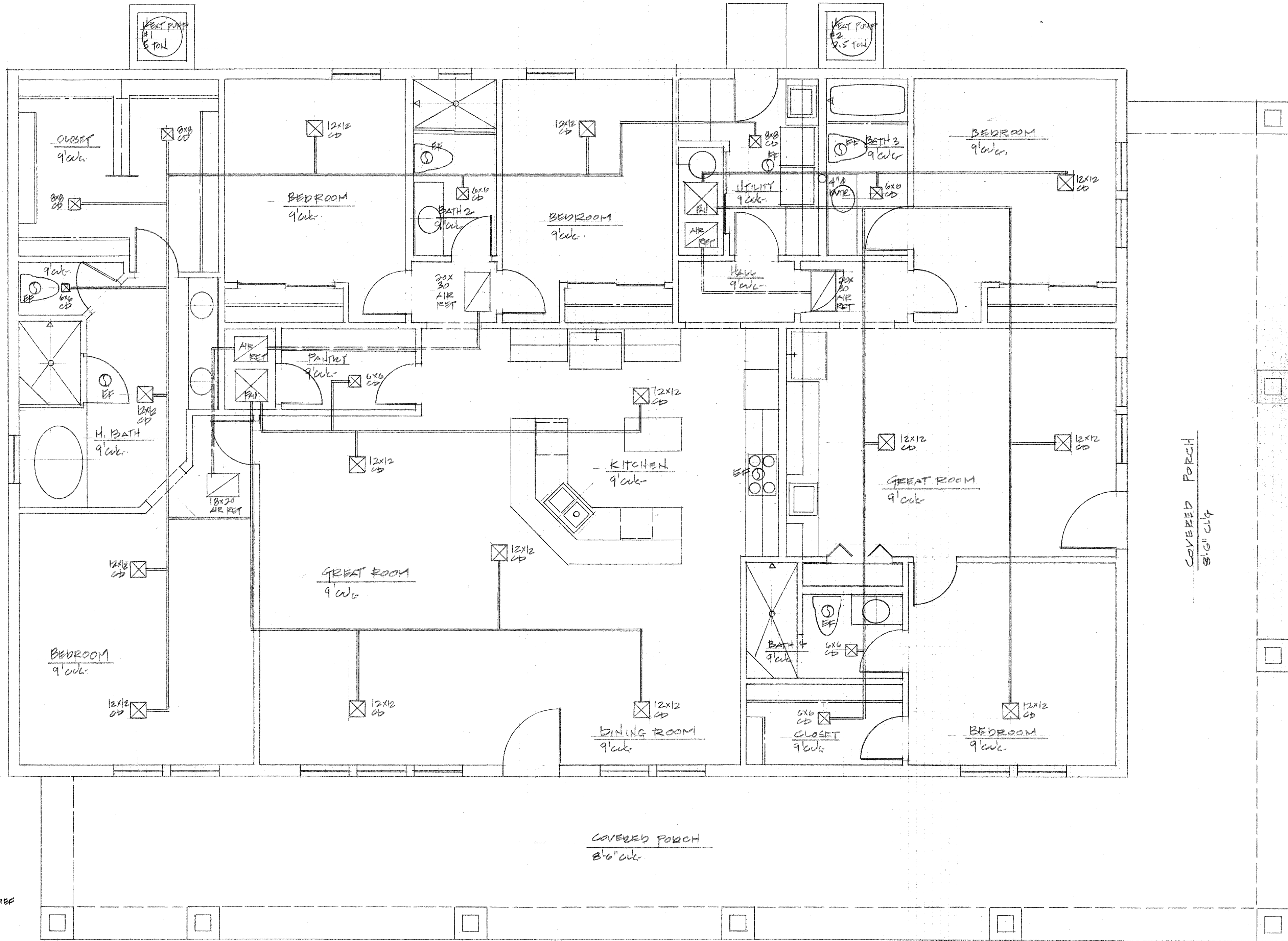
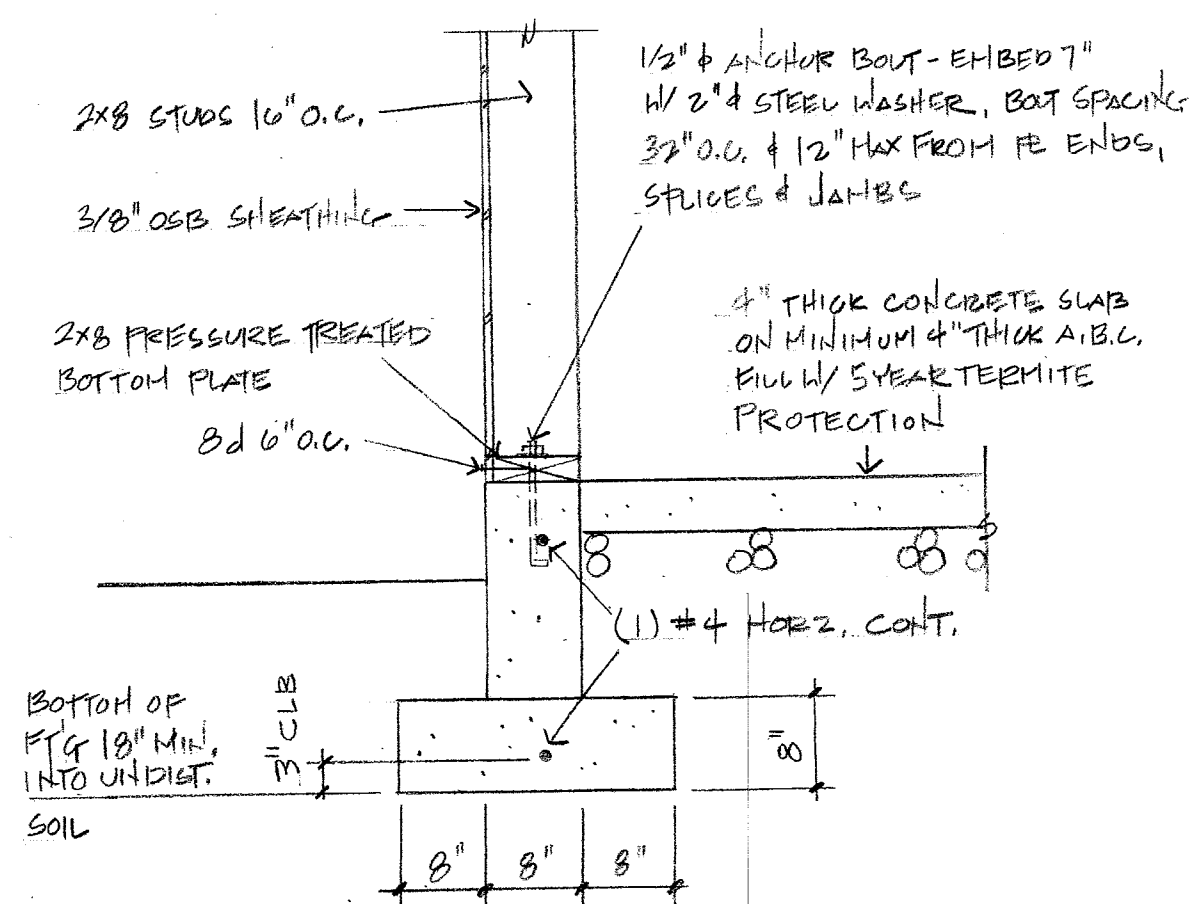


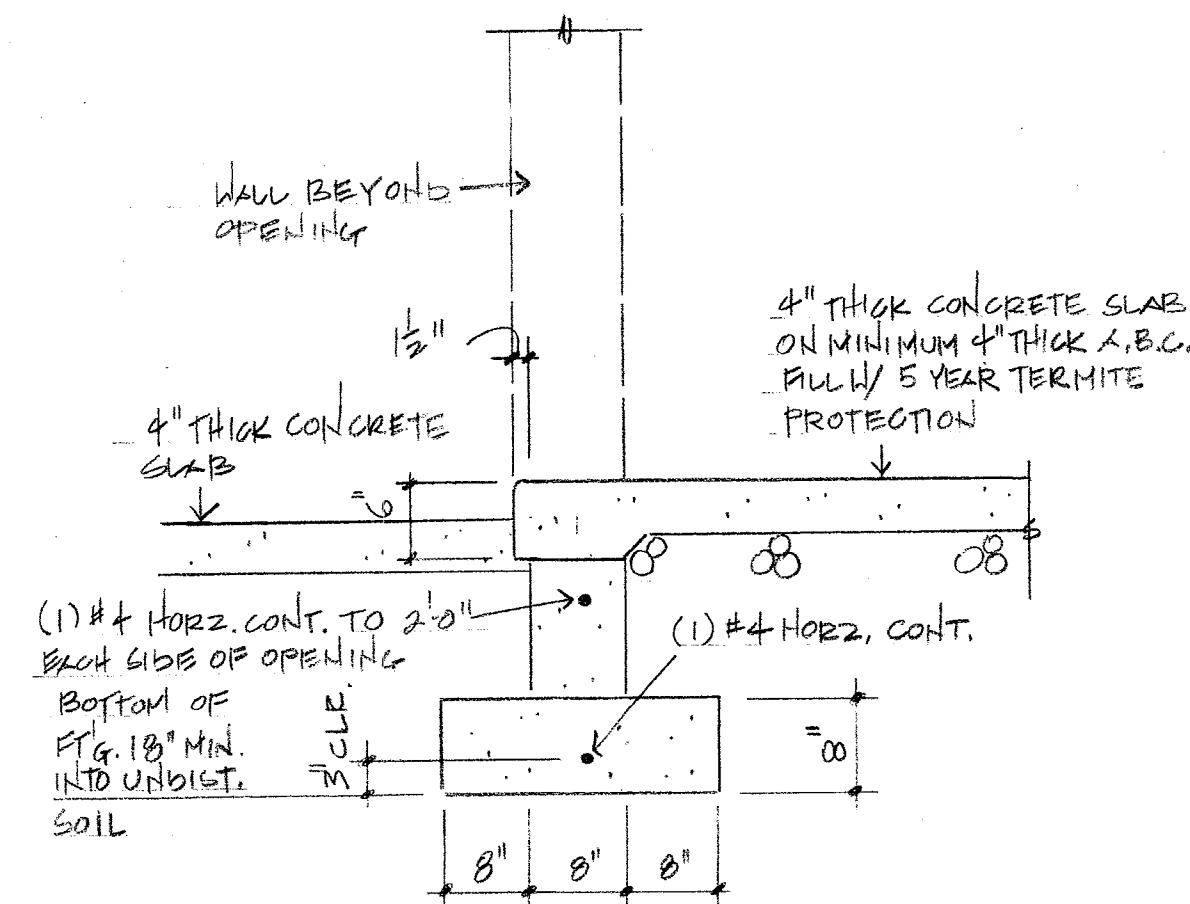
TABLE M1502.4.1 DRYER EXHAUST DUCT FITTING EQUIVALENT LENGTH	
DRYER EXHAUST DUCT FITTING TYPE	EQUIVALENT LENGTH
4 inch radius watered 45 degree elbow	2 feet 6 inches
4 inch radius mitered 90 degree elbow	3 feet
6 inch radius smooth 45 degree elbow	1 foot
6 inch radius smooth 90 degree elbow	1 foot 9 inches
8 inch radius smooth 45 degree elbow	1 foot
8 inch radius smooth 90 degree elbow	1 foot 7 inches
10 inch radius smooth 45 degree elbow	9 inches
10 inch radius smooth 90 degree elbow	1 foot 6 inches

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 degree = 0.0175 rad.

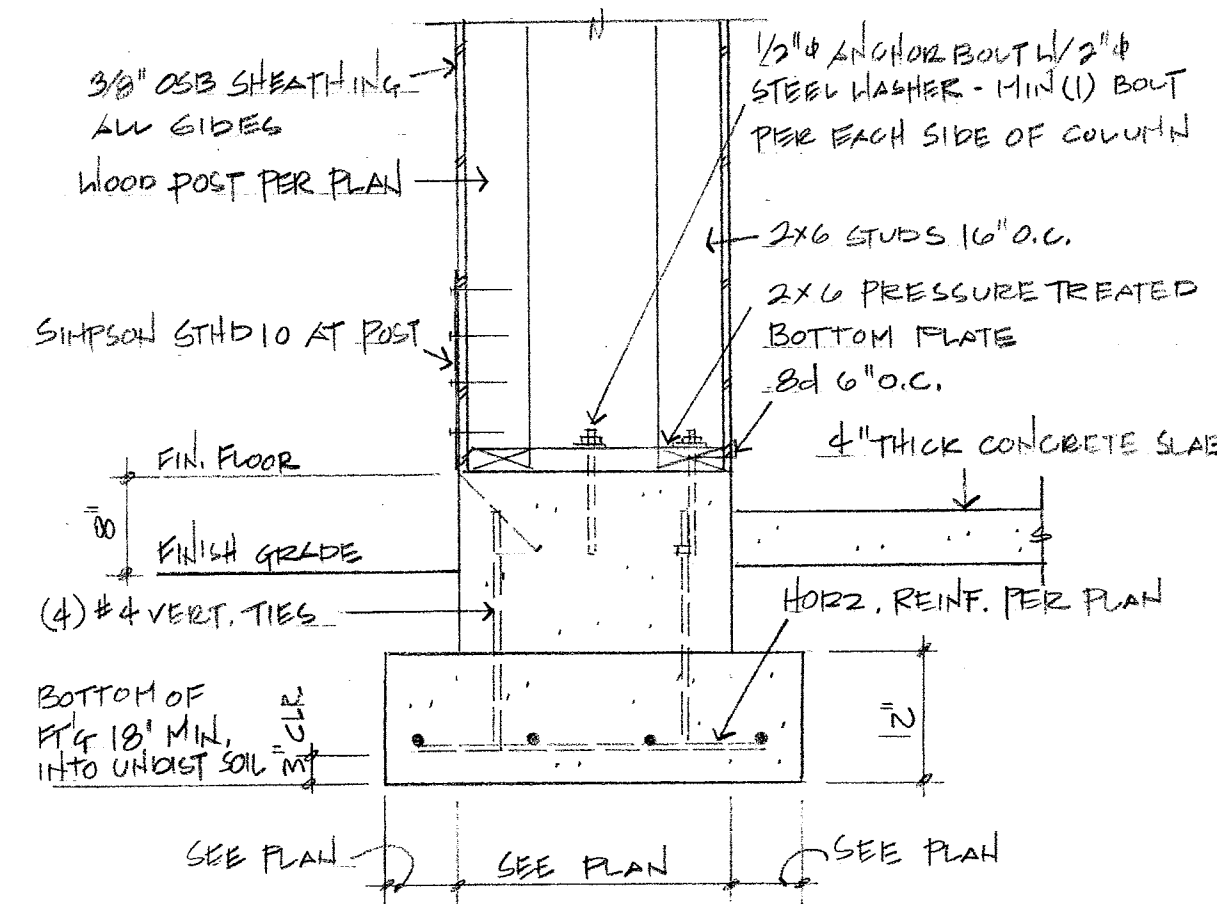
BATHROOM FAN SIZING CHART	
Bathroom Size (L x W x H)	Equivalent Duct Length (feet)
10 ft. x 10 ft. x 8 ft.	10
10 ft. x 12 ft. x 8 ft.	12
12 ft. x 12 ft. x 8 ft.	14
12 ft. x 14 ft. x 8 ft.	16
14 ft. x 14 ft. x 8 ft.	18
14 ft. x 16 ft. x 8 ft.	20
16 ft. x 16 ft. x 8 ft.	22
16 ft. x 18 ft. x 8 ft.	24
18 ft. x 18 ft. x 8 ft.	26
18 ft. x 20 ft. x 8 ft.	28
20 ft. x 20 ft. x 8 ft.	30
20 ft. x 22 ft. x 8 ft.	32
22 ft. x 22 ft. x 8 ft.	34
22 ft. x 24 ft. x 8 ft.	36
24 ft. x 24 ft. x 8 ft.	38
24 ft. x 26 ft. x 8 ft.	40
26 ft. x 26 ft. x 8 ft.	42
26 ft. x 28 ft. x 8 ft.	44
28 ft. x 28 ft. x 8 ft.	46
28 ft. x 30 ft. x 8 ft.	48
30 ft. x 30 ft. x 8 ft.	50
30 ft. x 32 ft. x 8 ft.	52
32 ft. x 32 ft. x 8 ft.	54
32 ft. x 34 ft. x 8 ft.	56
34 ft. x 34 ft. x 8 ft.	58
34 ft. x 36 ft. x 8 ft.	60
36 ft. x 36 ft. x 8 ft.	62
36 ft. x 38 ft. x 8 ft.	64
38 ft. x 38 ft. x 8 ft.	66
38 ft. x 40 ft. x 8 ft.	68
40 ft. x 40 ft. x 8 ft.	70
40 ft. x 42 ft. x 8 ft.	72
42 ft. x 42 ft. x 8 ft.	74
42 ft. x 44 ft. x 8 ft.	76
44 ft. x 44 ft. x 8 ft.	78
44 ft. x 46 ft. x 8 ft.	80
46 ft. x 46 ft. x 8 ft.	82
46 ft. x 48 ft. x 8 ft.	84
48 ft. x 48 ft. x 8 ft.	86
48 ft. x 50 ft. x 8 ft.	88
50 ft. x 50 ft. x 8 ft.	90
50 ft. x 52 ft. x 8 ft.	92
52 ft. x 52 ft. x 8 ft.	94
52 ft. x 54 ft. x 8 ft.	96
54 ft. x 54 ft. x 8 ft.	98
54 ft. x 56 ft. x 8 ft.	100
56 ft. x 56 ft. x 8 ft.	102
56 ft. x 58 ft. x 8 ft.	104
58 ft. x 58 ft. x 8 ft.	106
58 ft. x 60 ft. x 8 ft.	108
60 ft. x 60 ft. x 8 ft.	110
60 ft. x 62 ft. x 8 ft.	112
62 ft. x 62 ft. x 8 ft.	114
62 ft. x 64 ft. x 8 ft.	116
64 ft. x 64 ft. x 8 ft.	118
64 ft. x 66 ft. x 8 ft.	120
66 ft. x 66 ft. x 8 ft.	122
66 ft. x 68 ft. x 8 ft.	124
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290 ft. x 290 ft. x 8 ft.	570



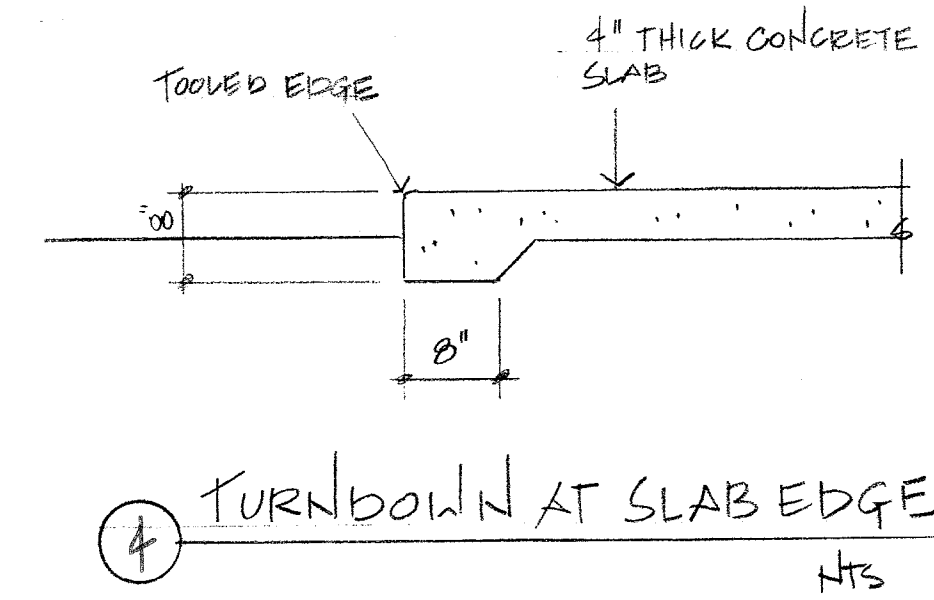
1 FOOTING AT FRAMED WALL
NTS



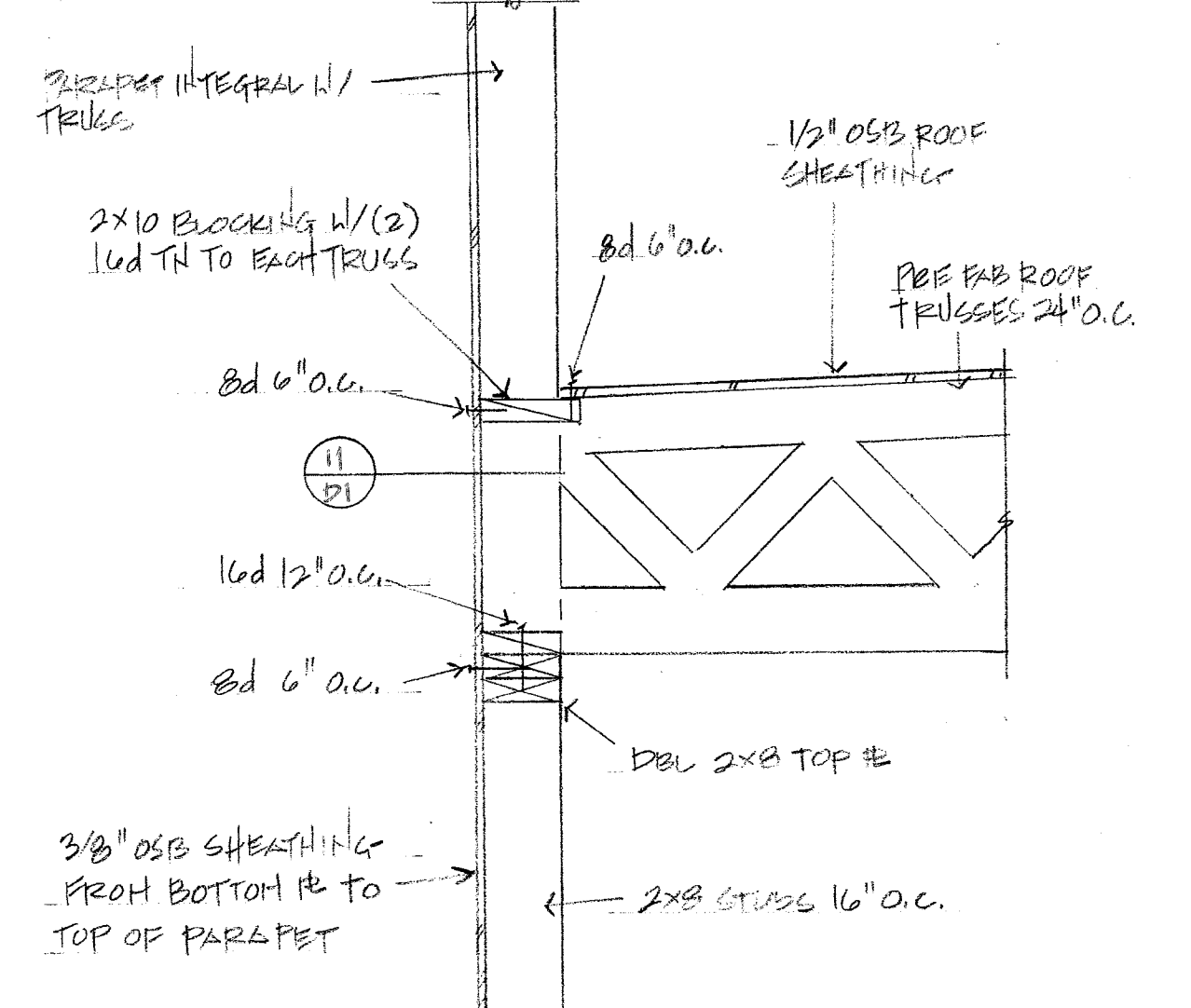
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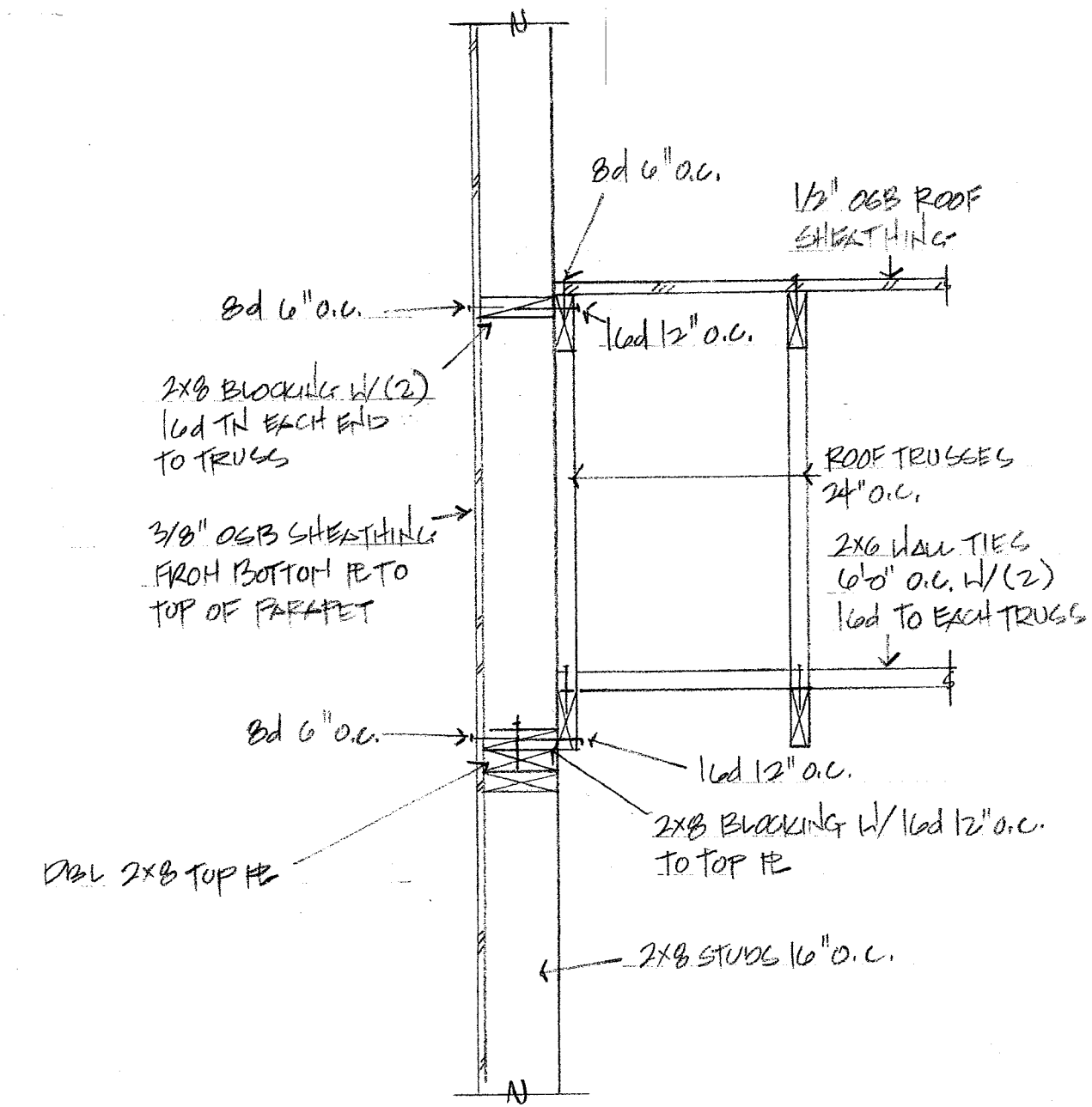
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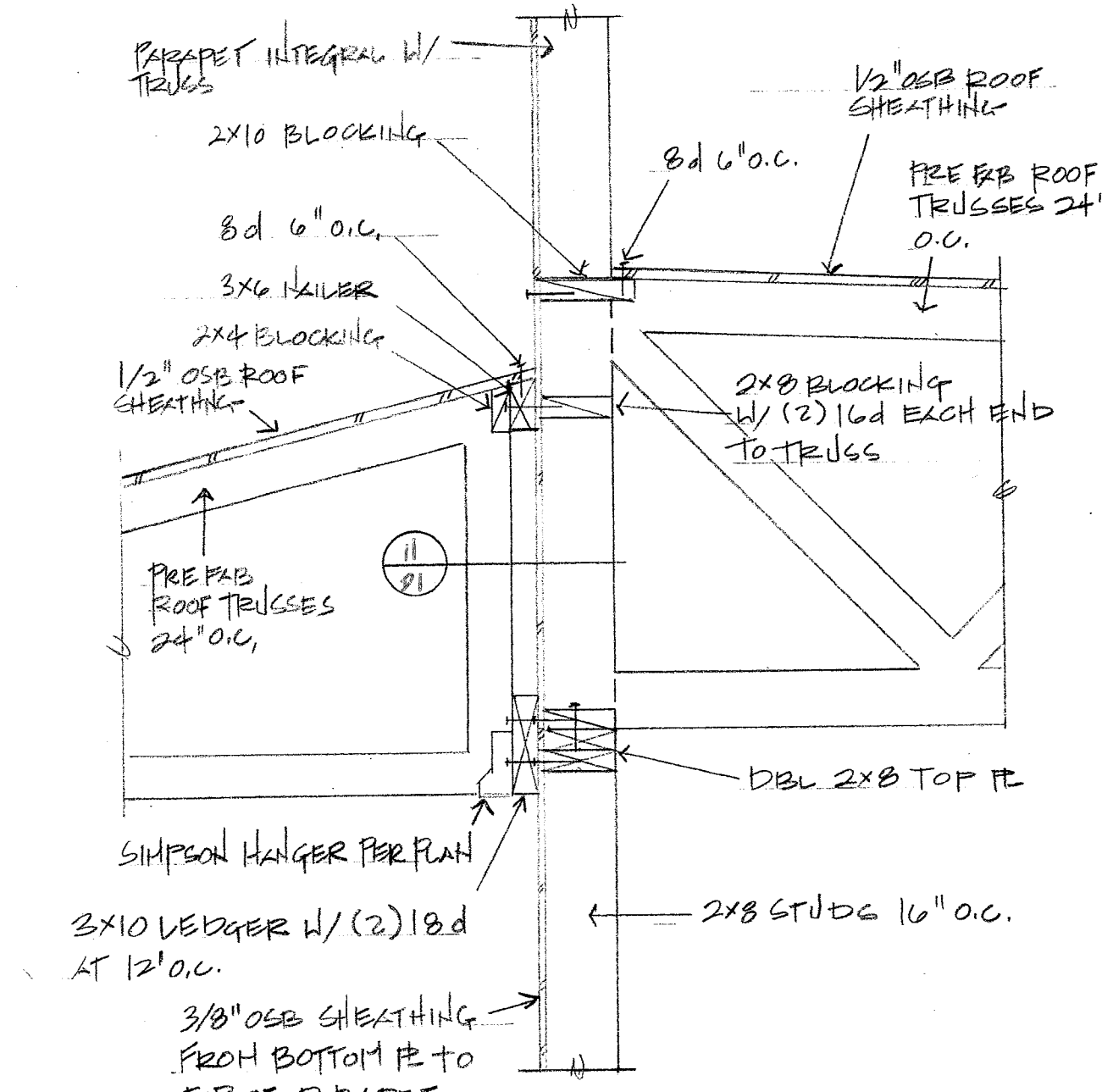
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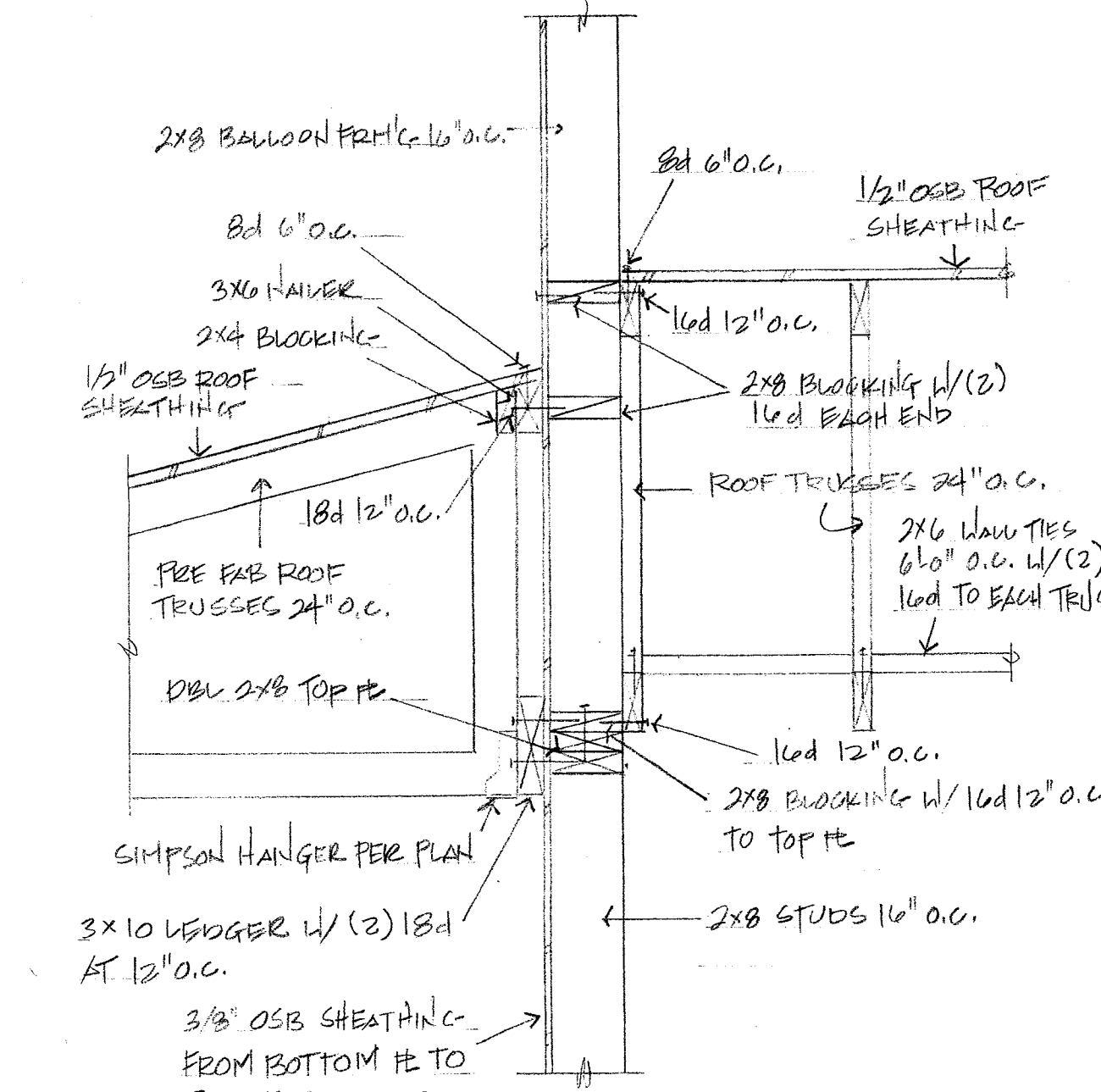
5 FLAT ROOF TRUSSES PERPENDICULAR TO WALL
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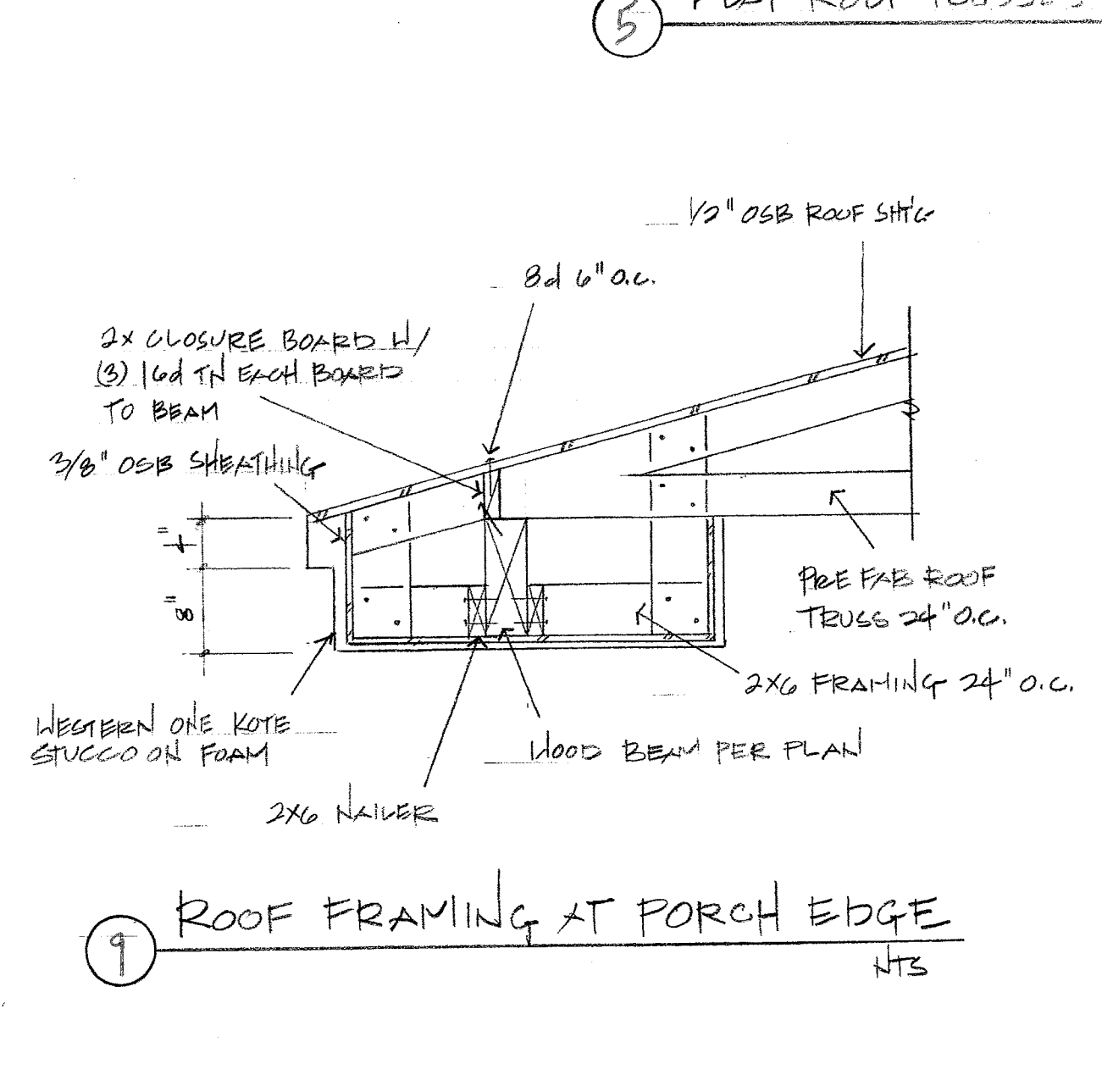
6 FLAT ROOF TRUSSES PARALLEL TO WALL
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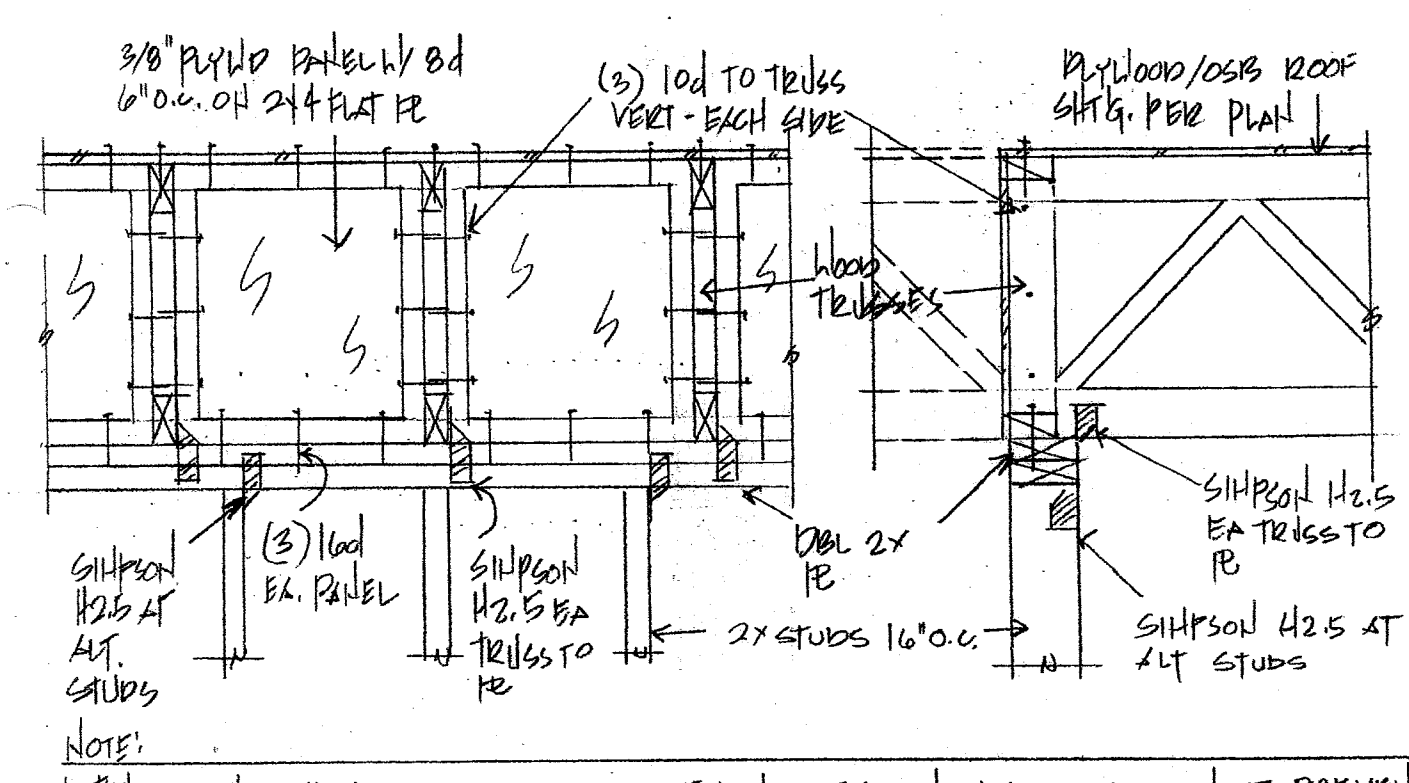
7 JACK TRUSSES AND FLAT ROOF TRUSSES PARALLEL
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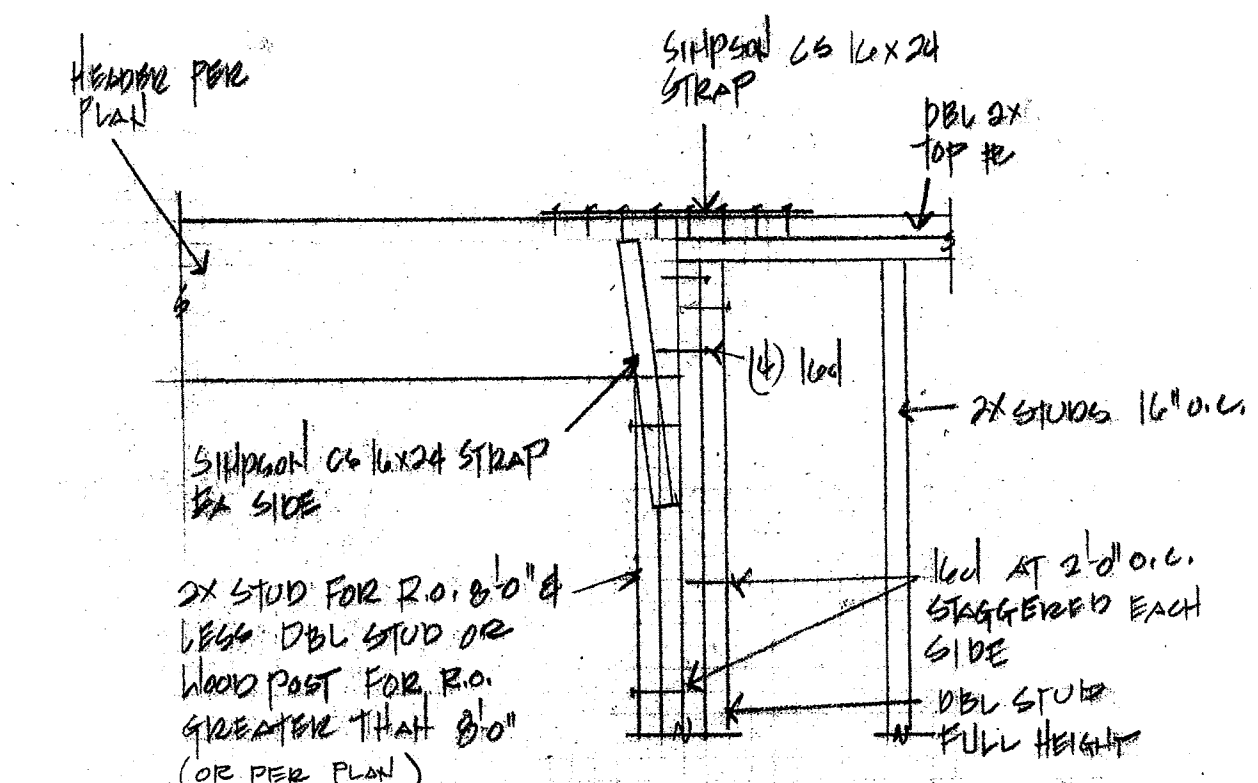
8 JACK TRUSSES AND FLAT ROOF TRUSSES PERPENDICULAR
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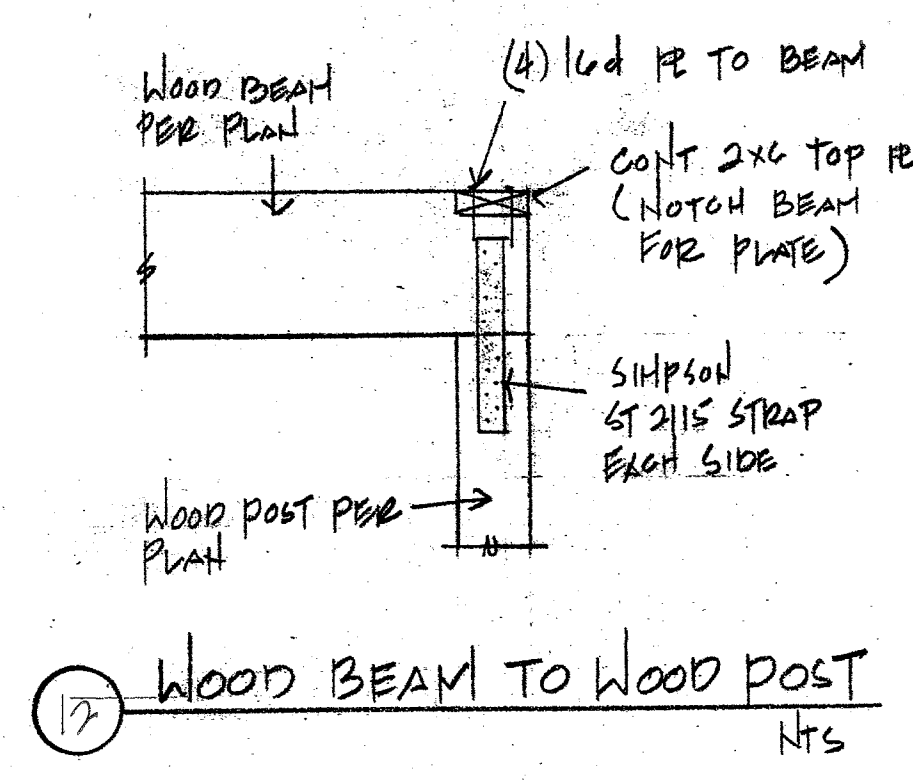
9 ROOF FRAMING AT PORCH EDGE
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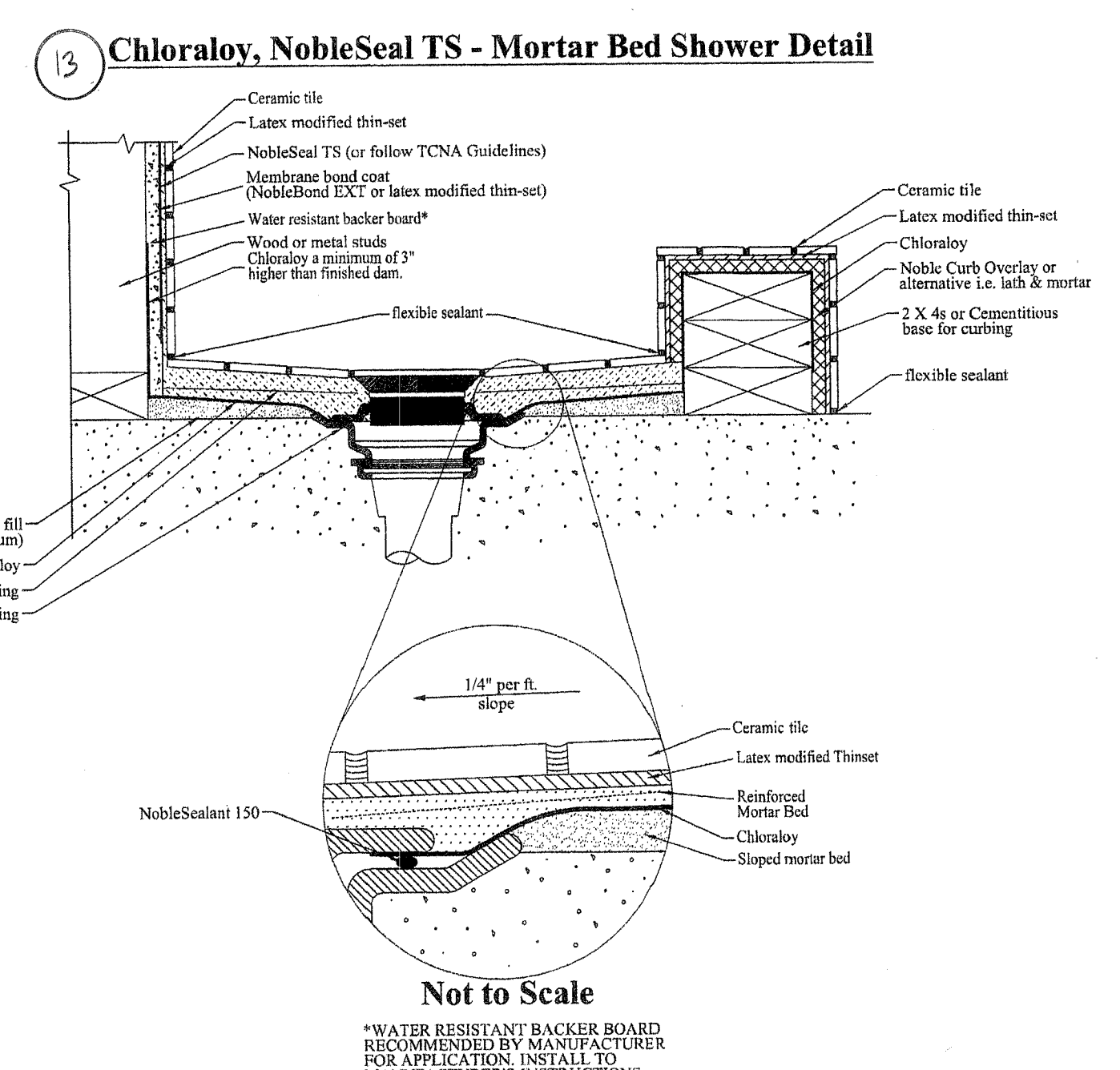
10 BLOCKING PANELS AT PREFAB WOOD TRUSSES
NTS



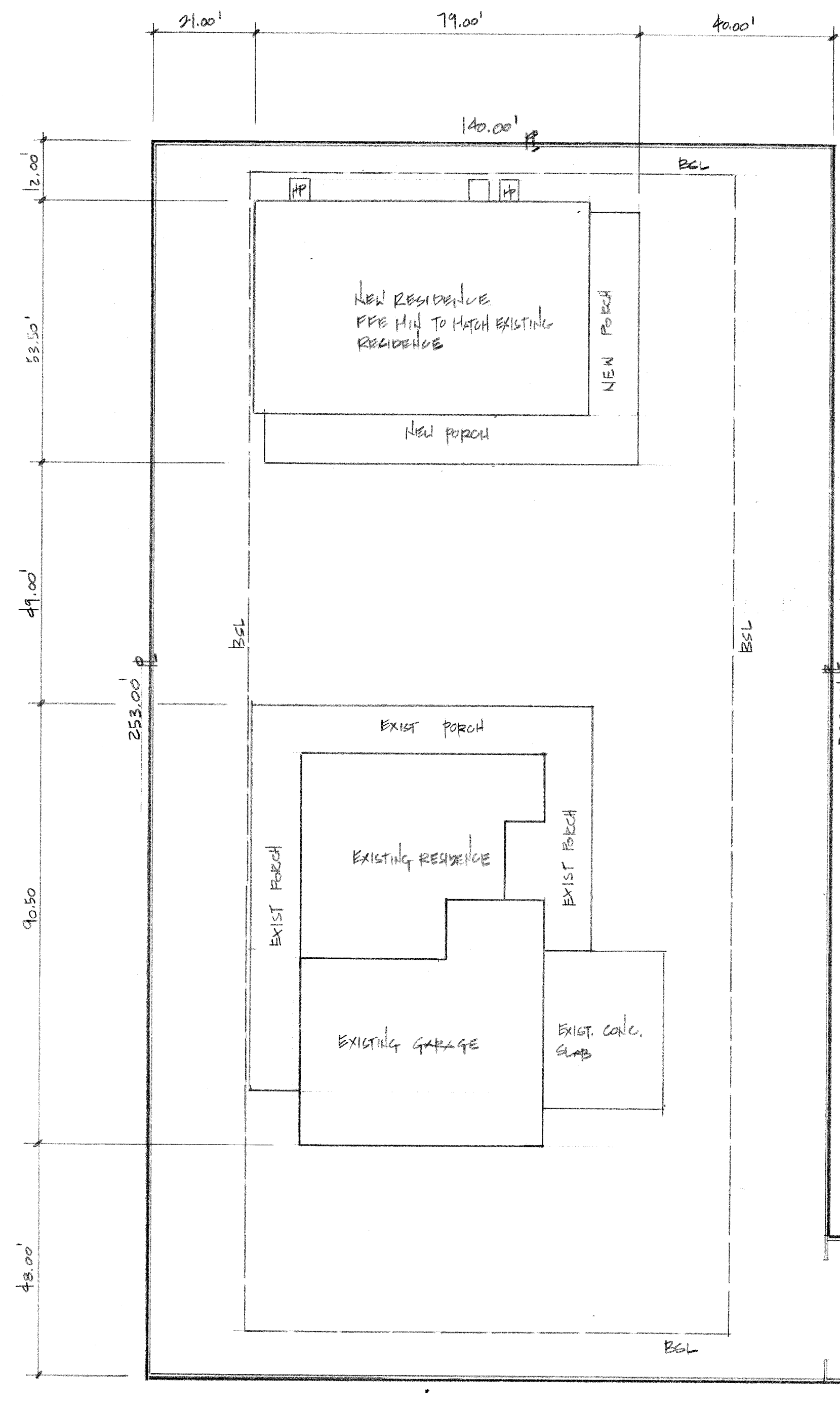
11 HEADER AT FRAME WALL & COLUMN
NTS



12 WOOD BEAM TO WOOD POST
NTS



13 Chloraloy, NobleSeal TS - Mortar Bed Shower Detail
NTS



SITE PLAN SCALE: 1" = 20.00'

OWNER INFORMATION

OWNER NAME: MR. AND MRS. TOWNLEY
 PROPERTY ADDRESS: 1402 N RECKER ROAD, MESA, AZ 85205
 MAILING ADDRESS: 1402 N RECKER ROAD, MESA, AZ 85205

PROPERTY INFORMATION

JURISDICTION: MESA
 ZONING: RS-7
 LOT SIZE: 49,353

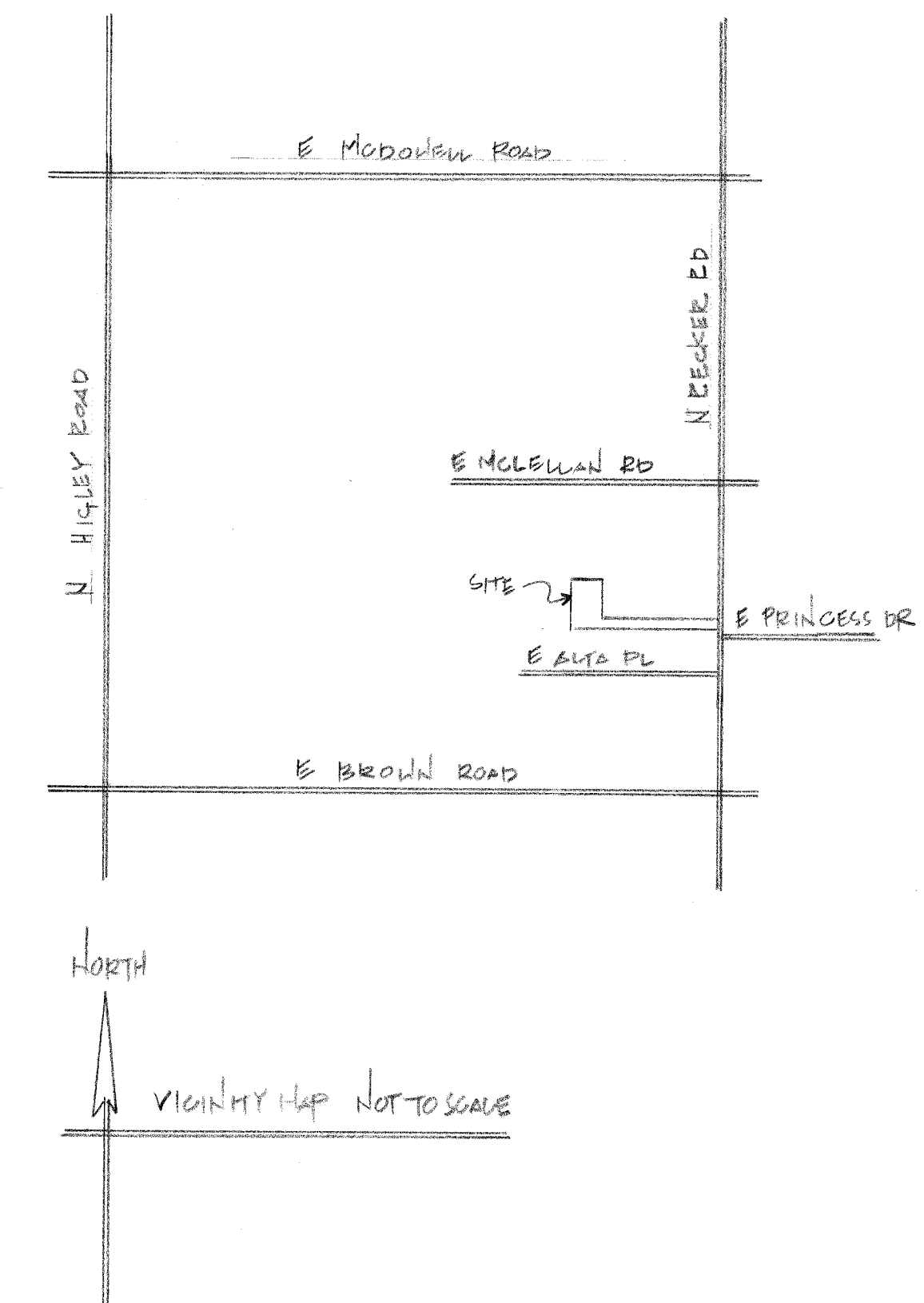
LOT COVERAGE

EXISTING RESIDENCE: 5840 SF
 NEW RESIDENCE: 4191 SF
 TOTAL: 10031 SF

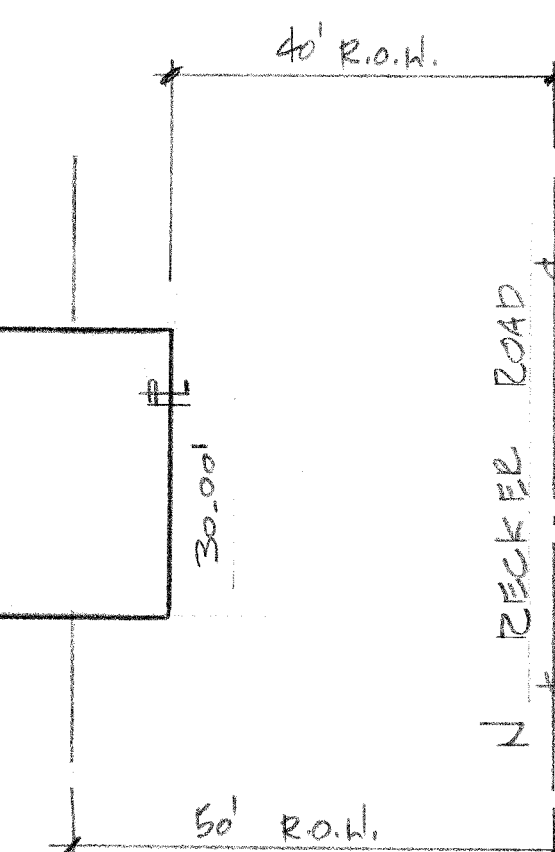
10031 SF ÷ 49,353 SF = 20.30% (ACTUAL) 45% (ALLOWED)
 MAXIMUM BUILDING HEIGHT: 15'0" (ACTUAL) 30'0" (ALLOWED)

SETBACKS

FRONT (ENCLOSED LIVABLE): 10'
 FRONT (GARAGE & CARPORT): 20'
 SIDES: 10' / 5'
 REAR: 20'



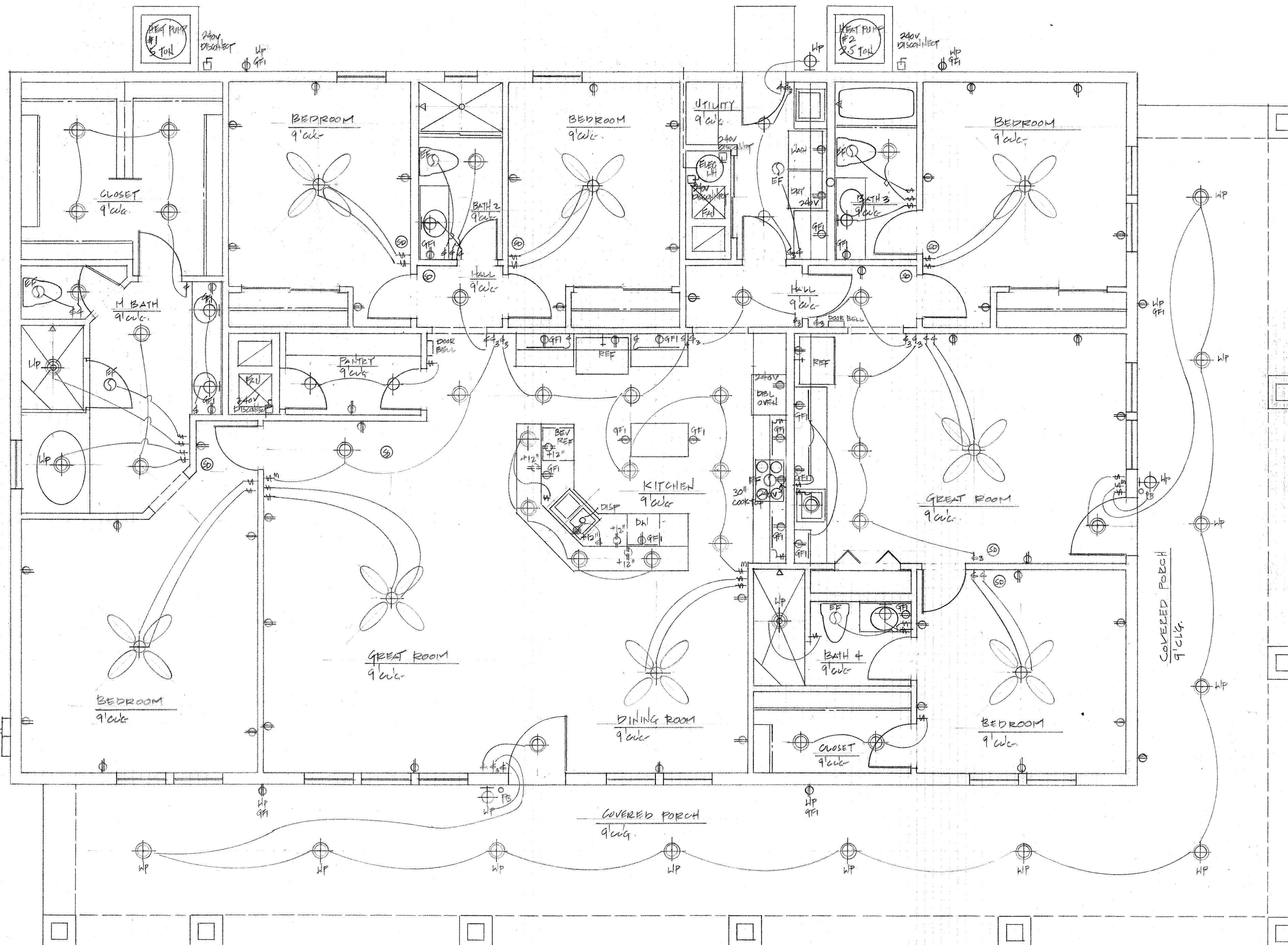
VICINITY MAP NOT TO SCALE



ELECTRICAL GENERAL NOTES

1. COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE ADOPTED BY THE LOCAL JURISDICTION.
2. PROVIDE AT LEAST (2) 20A SMALL APPLIANCE CIRCUITS TO SERVE THE KITCHEN AND PANTRY. DO NOT CONNECT THESE CIRCUITS TO OTHER OUTLETS.
3. PROVIDE (1) 20A CIRCUIT IN THE LAUNDRY ROOM. DO NOT CONNECT THESE CIRCUITS TO OTHER OUTLETS.
4. PROVIDE METAL OR UL LISTED FIRE RESISTIVE PLASTIC OUTLET BOXES BETWEEN THE GARAGE AND DWELLING AREAS. PROVIDE METAL OUTLET BOXES IN THE GARAGE CEILING.
5. PROVIDE BACK BOXES FOR CEILING FANS THAT ARE UL LISTED FOR THAT USE.
6. IN CLOSET, MAINTAIN A MINIMUM CLEARANCE OF 18" FROM SHELVES TO INCANDESCENT LIGHT FIXTURES AND 6" FROM RECESSED AND FLUORESCENT LIGHT FIXTURES.
7. INCANDESCENT LIGHT FIXTURES WITH OPEN OR PARTIALLY ENCLOSED LAMPS, PENDANT FIXTURES AND LAMP HOLDERS ARE NOT PERMITTED IN CLOSETS.
8. LOCATE GENERAL USE RECEPTACLES SO THAT NO POINT, MEASURED AT THE WALL ALONG THE FLOOR LINE, IS MORE THAN 6'-0" FROM A RECEPTACLE.
9. PROVIDE RECEPTACLES IN HALLWAYS 12'-0" OR LONGER.
10. LOCATE RECEPTACLES ABOVE KITCHEN COUNTER AT 48" O.C. NO SPACE ALONG THE COUNTER WILL BE FURTHER THAN 24" (MEASURED HORIZONTALLY) AWAY FROM A RECEPTACLE.
11. PROVIDE (1) RECEPTACLE FOR EVERY 4'-0" OF COUNTERTOP LENGTH FOR ISLANDS OR PENINSULAS 12" WIDE OR GREATER.
12. PROVIDE GFI RECEPTACLES FOR DEVICES LOCATED WITHIN 6'-0" OF SINKS, WASH BASINS, TUBS OR SHOWERS.
13. LOCATE RECEPTACLES AND VOICE AND DATA OUTLETS 18" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE. LOCATE LIGHT SWITCHES 48" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE.
14. PROVIDE GFI RECEPTACLE FOR WHIRLPOOL TUB PUMP.
15. PROVIDE GFI TYPE RECEPTACLES IN THE BATHROOMS AND GARAGE. PROVIDE GFI TYPE DEVICES WITH WEATHERPROOF COVER PLATES FOR EXTERIOR RECEPTACLES.
16. PROVIDE ARC-FAULT CIRCUIT INTERRUPTER TYPE CIRCUIT BREAKERS FOR BRANCH CIRCUITS THAT SUPPLY LIGHT, SINGLE PHASE 120V AND 20A LOADS SUCH AS RECEPTACLES, LIGHTING, FANS, SMOKE DETECTORS, ETC. LOCATED IN BEDROOMS.
17. PROVIDE SMOKE DETECTORS WITH BATTERY BACKUP. PERMANENTLY WIRE AND INTERCONNECT SMOKE DETECTORS.
18. PROVIDE LAMPS FOR LIGHT FIXTURES.
19. CONNECT AN GROUNDING CABLE TO THE REINFORCING STEEL LOCATED IN THE BOTTOM OF THE FOOTING VIA CORROSION WELD.
20. PROVIDE WEATHER PROOF ELECTRICAL EQUIPMENT AND FIXTURES IN EXTERIOR LOCATIONS AND INTERIOR WET LOCATIONS.
21. PROVIDE NEW PANELBOARDS WITH SHORT CIRCUIT RATING GREATER THAN THE AVAILABLE FAULT CURRENT. AS AN OPTION, COORDINATE AND CONFORM WITH EQUIPMENT MANUFACTURER'S THAT FUSE/BREAKER COMBINATIONS COMPLY WITH "A" COMPONENT RECOMMENDED SERIES CONNECTED RATING". LABEL SERVICE EQUIPMENT SWITCHBOARDS AND PANELBOARDS IN ACCORDANCE WITH ARTICLES 110-25, 110-10 AND 240-60(5) OF THE NATIONAL ELECTRICAL CODE FOR A SERIES-RATED SYSTEM WITH AN AVAILABLE SHORT-CIRCUIT CURRENT AS NOTED ON THE PROJECT DOCUMENTS. OBTAIN COMPLETE REPORT OF COMMUNAL SERIES RATED COMPONENTS TO OBTAIN FOR APPROVAL. AUTHOR FULL LOAD CURRENT CONTRIBUTION SHALL NOT EXCEED 1% OF THE DOWNSTREAM DEVICE INTERRUPTING RATING IN COMPLIANCE WITH NECA STANDARDS.
22. VERIFY WITH PANELBOARD MANUFACTURER THAT THE CIRCUIT BREAKERS IN CONFORMANCE WITH THE UL STANDARD CLASS 12 OR 15 FUSES MEET UL RECOMMENDED SERIES CONNECTED RATING FOR THE VALUES INDICATED BELOW. PROVIDE RED PLASTIC LABELS WITH 8" MINIMUM WIDE LETTERS, PER NEC 110-22 FOR EACH PANELBOARD WHICH READ THE FOLLOWING: "CAUTION SERIES RATED SYSTEM 65K/10K (INCLUDE FAULT CURRENT) AMPS AVAILABLE. IDENTIFIED REPLACEMENT COMPONENTS REQUIRED". PROVIDE MANUFACTURER'S DOCUMENTATION FOR "A" COMPONENT RECOMMENDED SERIES RATING AND ATTACH TO INSIDE OF DOOR OF PANEL IN PROTECTIVE COVER.
23. WHERE THE AVAILABLE SHORT-CIRCUIT CURRENT IS NOT LISTED AT A PARTICULAR EQUIPMENT LOCATION, THE EQUIPMENT MANUFACTURER SHALL ASSUME FULL RESPONSIBILITY FOR VERIFYING THAT THE EXISTING OVERCURRENT DEVICES ARE PROPERLY APPLIED.
24. PROVIDE SYSTEM WHICH COMPLIES WITH NEC CODE SECTION 110-22 AND 240-60(5) AND AS INTERPRETED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
25. PROVIDE ARC FAULT CIRCUIT INTERRUPTER PROTECTION TO COMPLY WITH 2012 NEC 240.15.
26. PROVIDE TAMPER RESISTANT RECEPTACLES PER NEC 404.214.
27. PROVIDE FAN RATED PRE-WIRED LIGHTING FIXTURES PER NEC 410.161.
28. PROVIDE GFI TYPE RECEPTACLES IN GARAGE PER NEC 230.22/230.23.

200 AMP ELECTRICAL SERVICE



ELECTRICAL PLAN

1/4" = 1'-0"

ELECTRICAL LOAD CALCULATIONS

GENERAL LIGHTING & RECEPT	3001	x	3	9003	VA
KITCHEN & SMALL APPLIANCE	3	x	1500	4500	VA
DISH WASHING	1	x	1500	1500	VA
DISHWASHER	1	x	1000	1000	VA
COOKTOP	1	x	6500	6500	VA
DOUBLE OVEN	1	x	12000	12000	VA
MICROWAVE	1	x	1200	1200	VA
REFRIG	1	x	5000	5000	VA
LAUNDRY	1	x	1500	1500	VA
WATER HEATER	1	x	4500	4500	VA

TOTAL CONNECTED	46703	VA
1ST 10,000 AT 100%	10000	VA
REMAINING AT 40%	14681	VA

TOTAL DEMAND	24681	VA
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HVAC 1 5TON	7800	VA
FAN 1	1302	VA
HVAC 2 2.5TON	3900	VA
FAN 2	661	VA

TOTAL	28334	VA
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38,334 ÷ 240V	159	AMPS
SERVICE PROVIDED	200	AMPS

SHEET

E1