CUSTOM BARNDOMINIUM HOUSE

DRAWING LIST:

C1 COVER PAGE

A1 FLOOR PLAN

A2 ROOF PLAN

A3 EXTERIOR ELEVATIONS

A4 INTERIOR ELEVATIONS

E1 ELECTRICAL PLAN

P1 PLUMBING PLAN

M1 HVAC PLAN

S1 ROOF FRAMING PLAN

S2 FOUNDATION PLAN

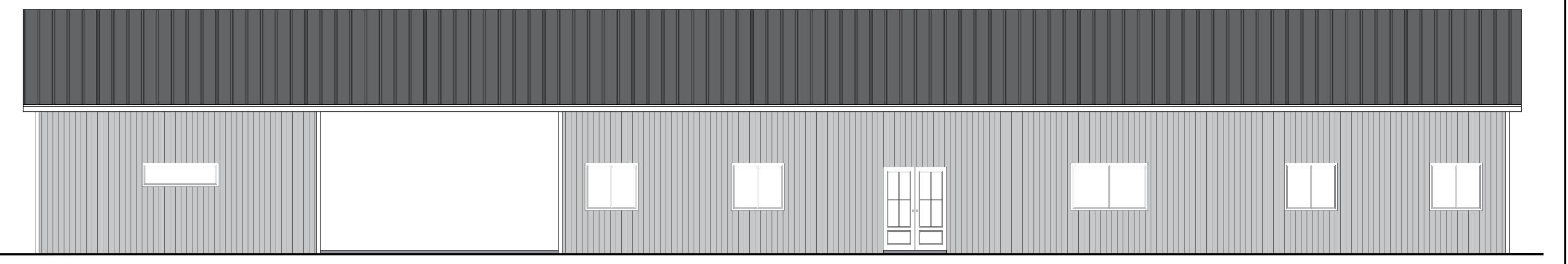
FOUNDATION DETAIL

INTERIOR BEARING FOOTING

C-TYPICAL COLUMN DETAIL

WALL SECTION

EDGE OF SLAB DETAIL





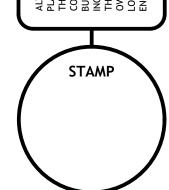
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ALTHOUGH GREAT EFFORT AND CARE HAVE GONE INTO THE PREPARATION OF THIS H PLAN, IT IS IMPOSSIBLE TO AFFECT ANY CONTROL OVER THE ACTUAL CONSTRUCTION. THAT REASON AND DUE TO THE MANY JURISDICTIONAL DIFFERENCES IN LOCAL BUILL CODE REQUIREMENTS AND OTHER LOCAL SEISMIC AND WEATHER CONDITIONS, "QUICKST BUILDINGS" ASSUMES NO RESPONSIBILITY FOR ANY DAMAGES, MONETARY OR OTHERW INCLUDING STRUCTURAL FAILURES DUE TO ANY DEFICIENCIES, OMISSIONS, OR ERROR THE DESIGN. HOME PLANS ARE GENERAL IN NATURE. IT IS THE RESPONSIBILITY OF OWNER AND BUILDER TO CONSULT A LOCAL ARCHITECT OR ENGINEER AND TO CHECK V LOCAL BUILDING OFFICIALS BEFORE THE START OF CONSTRUCTION. ADDITION ENGINEERING AND DESIGN MAY BE REQUIRED TO COMPLY WITH LOCAL BUILDING CODES





GENERAL NOTES:

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXACT LOCATION OF ALL UTILITY SERVICES AND SLOPE PRIOR TO BID/INSTALLATION.

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING WORK AND REPORT ANY AND ALL

DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THESE PLANS TO THE ENGINEER/ARCHITECT IMMEDIATELY. CONTRACTOR SHALL MAKE ALL NECESSARY MODIFICATIONS DURING THE CONSTRUCTION PROCESS TO COMPLY WITH I.R.C.

(INTERNATIONAL RESIDENTIAL CODE), LATEST EDITION, OR APPLICABLE CODES AT SITE. CONTRACTOR SHALL VERIFY ALL INTERIOR FINISHES, FLOOR COVERINGS, AND TRIM SIZES & CONFIGURATIONS WITH OWNER

PRIOR TO CONSTRUCTION. 5. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY CLEARANCES OF THE ITEMS MENTIONED IN THE DRAWINGS PRIOR TO THE CONSTRUCTION.

6. EXTERIOR WALL AND ROOF FINISHES AS PER CUSTOMER'S CHOICE.

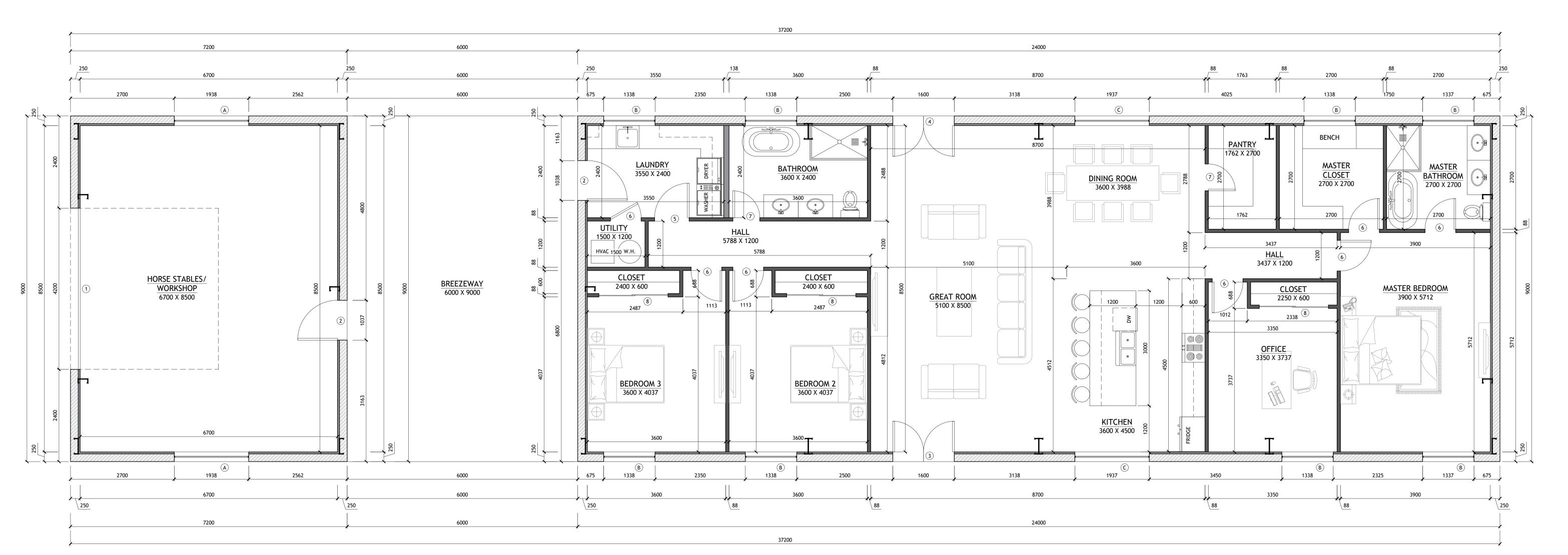
7. REFER TO MANUFACTURER'S SPECS FOR ROUGH OPENING DIMENSIONS, FOR DOOR AND WINDOWS.

8. ALL BEAMS SIZES TO BE VERIFIED BY THE STRUCTURAL ENGINEER.

	DOOR SCHEDULE			
	WIDTH (OPENING)	HEIGHT	QTY.	DESCRIPTION
1	4200	3600	1	GARAGE DOOR
2	1037	2100	2	SINGLE FRENCH DOOR
3	1600	2100	1	DOUBLE FRONT DOOR
4	1600	2100	1	DOUBLE FRENCH DOOR
5	900	2050	1	HOLLOW CORE
6	800	2050	7	HOLLOW CORE
7	700	2050	2	HOLLOW CORE
8	1800	2050	3	SLIDING CLOSET DOOR

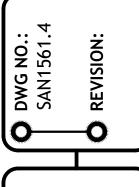
WINDOW SCHEDULE				
	WIDTH (OPENING)	HEIGHT	QTY.	DESCRIPTION
A	1938	600	2	FIXED
B	1338	1200	8	SLIDER WINDOW
<u>C</u>	1937	1200	2	SLIDER WINDOW

AREA CALCULATIO	N
LIVING AREA:	223 SF
WORKSHOP:	67 SF
BREEZEWAY:	56 SF
TOTAL FLOOR AREA:	346 SF





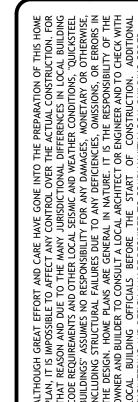


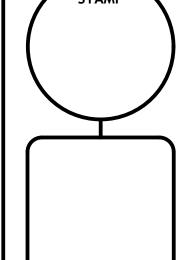




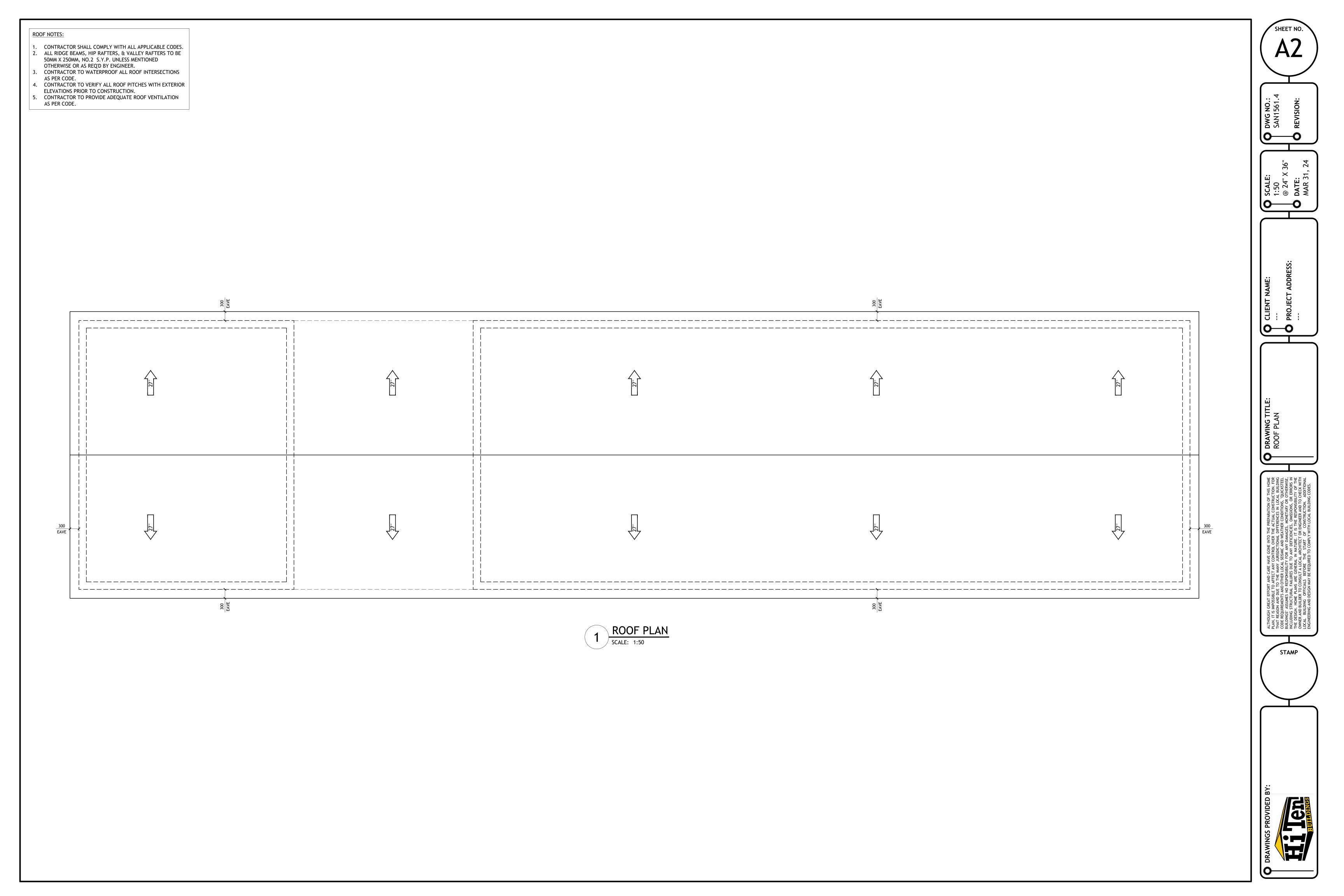


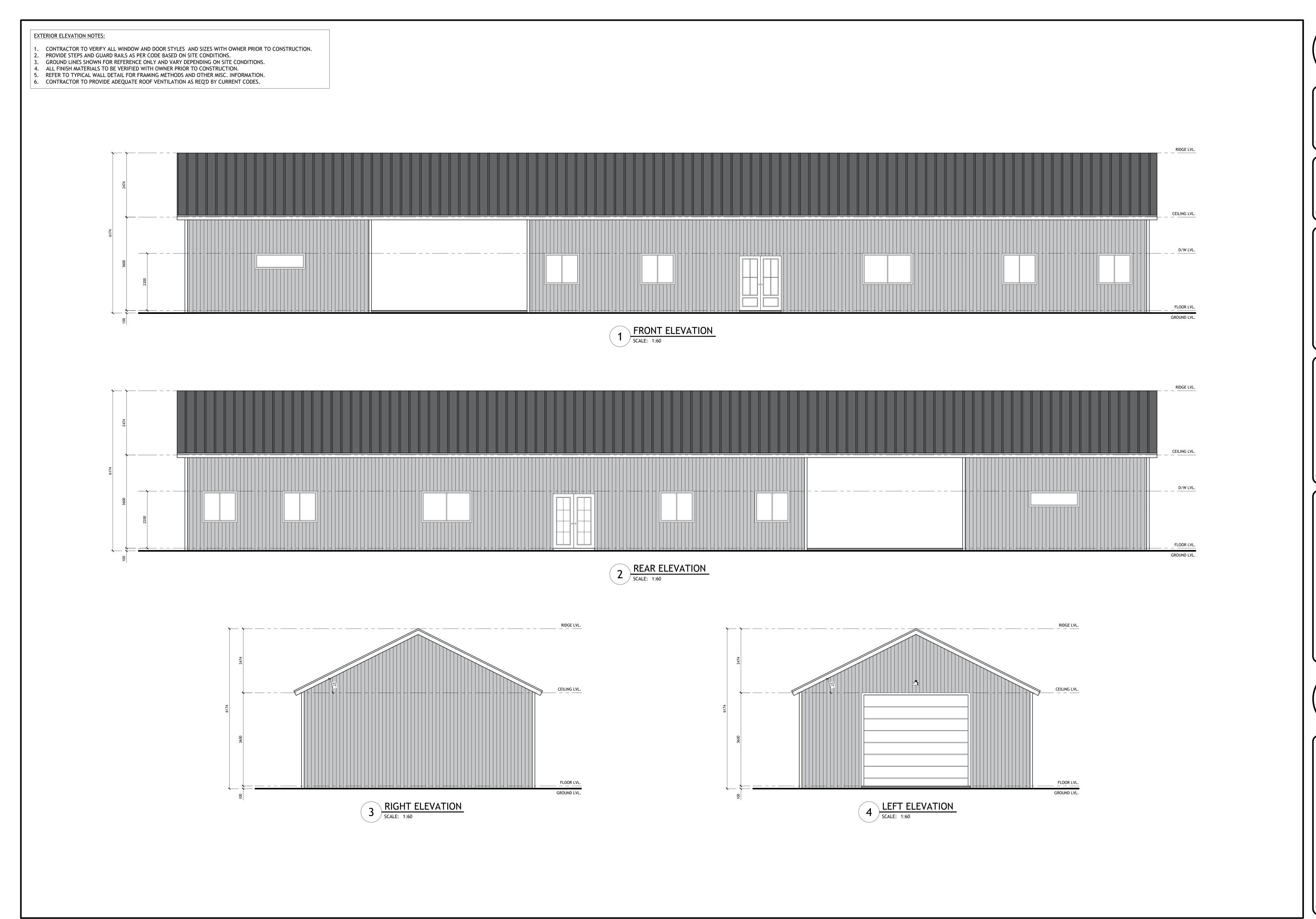


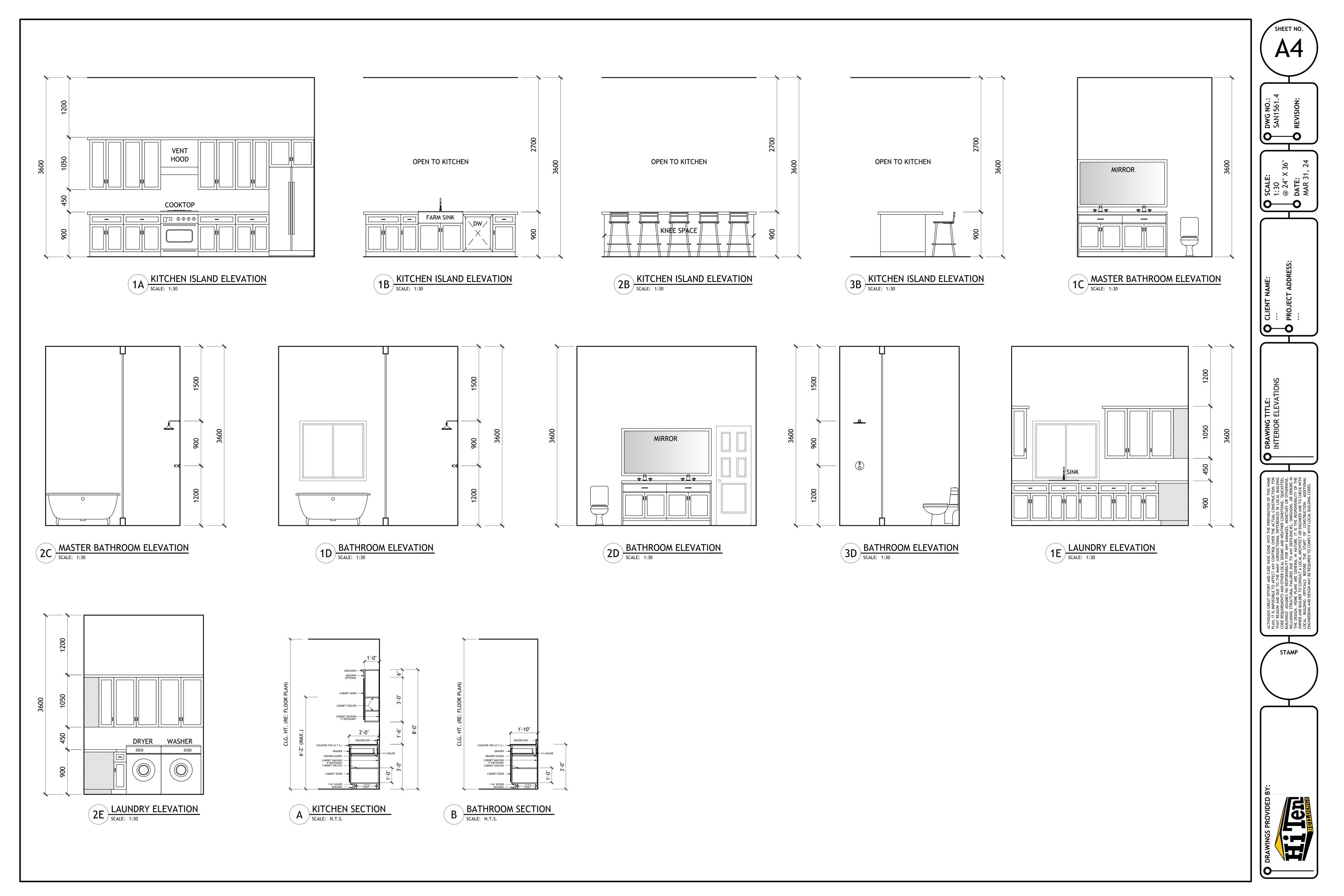












ELECTRICAL NOTES:

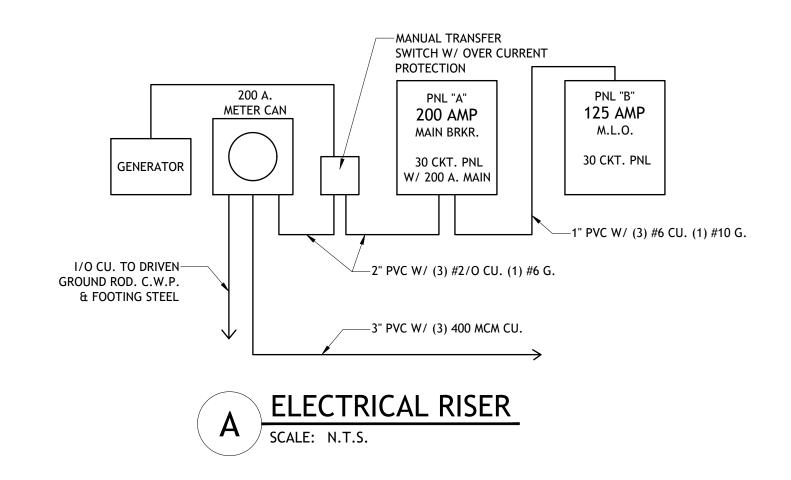
MODIFICATIONS AS NEEDED.

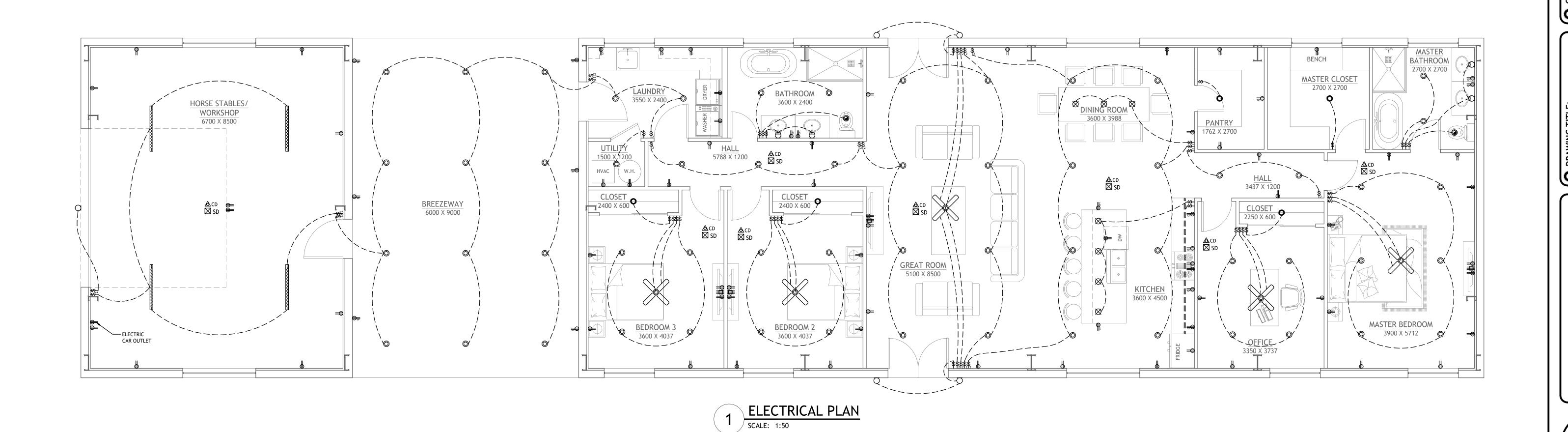
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXACT LOCATION OF ALL UTILITY SERVICES AND SLOPE PRIOR TO BID/INSTALLATION.
- 2. CONTRACTOR'S HALL FIELD VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING WORK AND REPORT ANY AND ALL DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THESE PLANS TO THE ENGINEER/ARCHITECT IMMEDIATELY.
- CONTRACTOR SHALL MAKE ALL NECESSARY MODIFICATIONS DURING THE CONSTRUCTION PROCESS TO COMPLY WITH I.R.C. (INTERNATIONAL RESIDENTIAL CODE), LATEST EDITION, OR APPLICABLE CODES AT SITE.
- 4. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO ENSURE INSTALLATION IS MADE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 5. EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL LIGHTING FIXTURES, WALL OUTLETS, ETC. SHALL BE IN ACCORDANCE WITH THE LOCAL CODE AND THE CONTRACTOR ON SITE SHALL MAKE
- 6. ALL LIGHTING CHOICES TO BE OWNER'S CHOICE, BUT TO NOT SURPASS DESIGN STANDARDS.7. ALL WORK SHALL COMPLY WITH ALL CODES APPLICABLE AT SITE.
- 8. SMOKE ALARMS SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS: EACH SLEEPING ROOM, OUTSIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS, ON EACH ADDITIONAL STORY OF THE DWELLING, INCLUDING BASEMENTS AND HABITABLE ATTICS. WHEN MORE THAN ONE SMOKE ALARM IS REQUIRED TO BE INSTALLED WITHIN A DWELLING THE
- WITH A BATTERY BACK UP.
 9. CARBON MONOXIDE ALARMS SHALL BE INSTALLED OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS IN DWELLING UNITS WITHIN WHICH FUEL-FIRED APPLIANCES ARE INSTALLED AND IN DWELLING UNITS WITH ATTACHED GARAGES.

ALARM DEVICES SHALL BE INTERCONNECTED IS SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE UNIT. SMOKE ALARMS SHALL BE HARD WIRED

10. A 125 VOLT, SINGLE PHASE, 15-20 AMPERE RATED RECEPTACLE OUTLET SHALL BE INSTALLED AT AN ACCESSIBLE LOCATION FOR THE SERVICING OF HEATING, AIR CONDITIONING AND REFRIGERATION EQUIPMENT. THE RECEPTACLE SHALL BE LOCATED ON THE SAME LEVEL AND WITHIN 25 FEET OF THE EQUIPMENT. THE RECEPTACLE OUTLET SHALL NOT BE CONNECTED TO THE LOAD SIDE OF THE HVAC EQUIPMENT DISCONNECTING MEANS.

ELECTRICAL LEGEND			
120 VOLT RECEPTACLE	=	EXHAUST FAN	•
120 VOLT W/ GROUND FAULT INTERRUPTOR	O GFI	EXHAUST FAN/ RECESS CAN COMBO	•
240 VOLT RECEPTACLE	←	SMOKE DETECTOR	⊠sd
WATERPROOF RECEPTACLE	€	CARBON MONOXIDE DETECTOR	∆ CD
PHONE/CABLE (CAT5)	•	STAIRCASE LIGHT	
TELEVISION ANTENNA	=	GARAGE LIGHT	
SINGLE POLE SWITCH	\$	UNDER CABINET LIGHT	
2 WAY SWITCH	\$ ₂	CCTV CAMERA	[CAM]
CEILING MOUNTED HANGING LIGHT	Ø	CEILING FAN WITH LIGHT	
RECESSED CAN LIGHT	0	CEILING FAN WITH LIGHT	
FLUSH MOUNTED LIGHT	0	NOTE:	
WALL MOUNTED LIGHT	Ω	NOT ALL SYMBOLS ARE USED.	

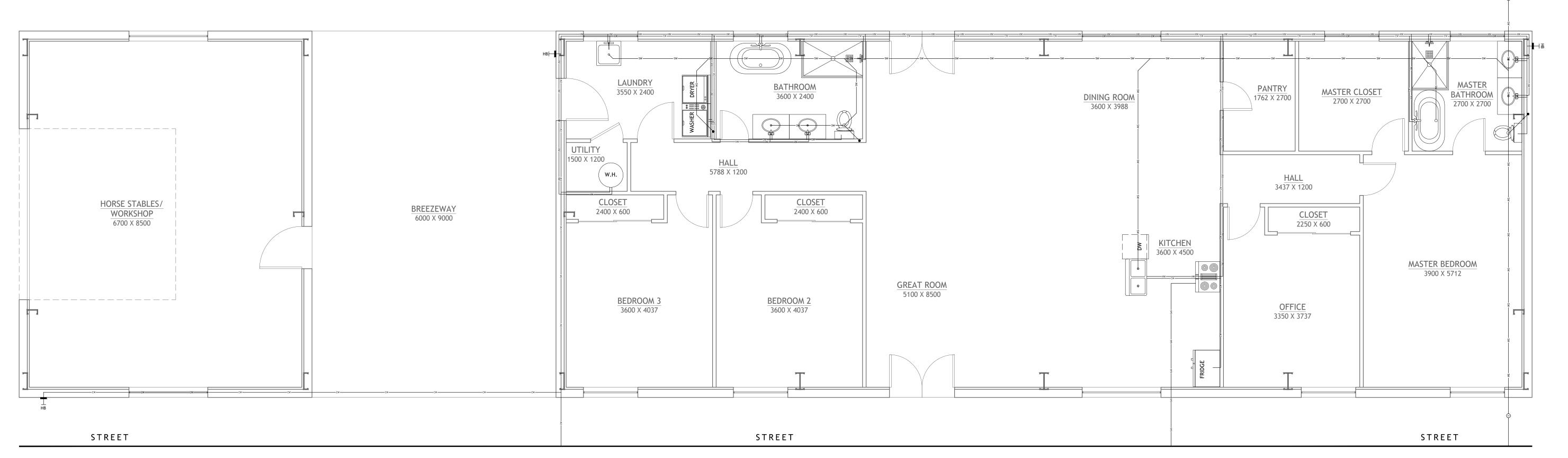


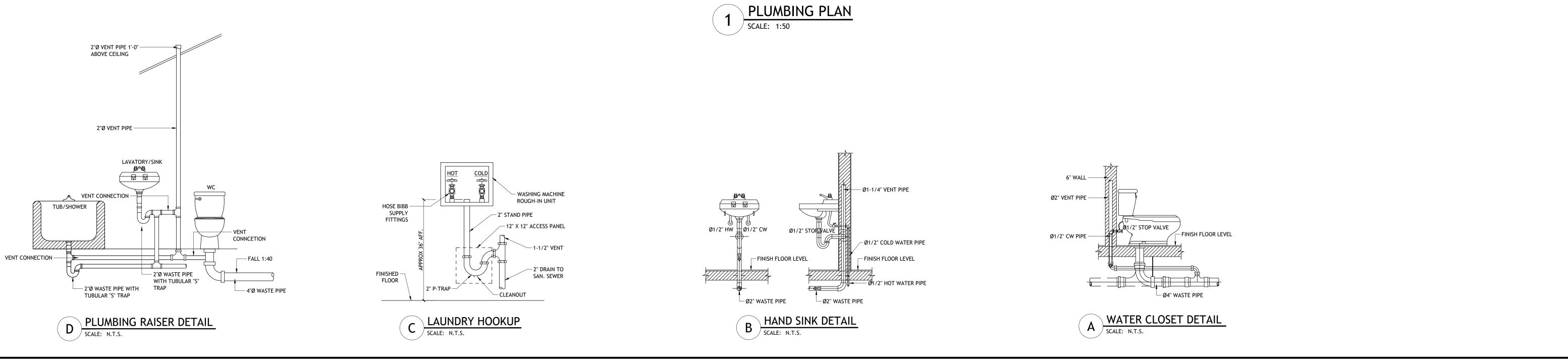




PLUMBING NOTES: PLUMBING LEGEND FIXTURE CONNECTIONS IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXACT PIPE DIAMETER LOCATION OF ALL UTILITY SERVICES AND SLOPE PRIOR TO COLD WATER _____CW _____ BID/INSTALLATION. FIXTURE COLD HOT HOT WATER CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS BEFORE ———HW ——— WATER WATER COMMENCING WORK AND REPORT ANY AND ALL DISCREPANCIES BETWEEN SEWER LINE _____ SW _____ HAND SINK ACTUAL CONDITIONS AND THESE PLANS TO THE ENGINEER/ARCHITECT IMMEDIATELY. **GAS LINE** WATER CLOSET ———GAS——— CONTRACTOR SHALL MAKE ALL NECESSARY MODIFICATIONS DURING THE FLOOR DRAIN CONSTRUCTION PROCESS TO COMPLY WITH I.R.C. (INTERNATIONAL VENT PIPE RESIDENTIAL CODE), LATEST EDITION, OR APPLICABLE CODES AT SITE. WATER HEATER HOSE BIBB SUGGESTED SLOPE FOR EXTERIOR WASTE LINE @ 5MM=300MM. WASHER/DRYER 5. ALL YARD CLEANOUTS TO BE CONTRACTOR CHOICE. ALL FIXTURES WILL CLEAN OUT BE OWNER CHOICE. CALCULATIONS AND CHOICES BASED ON INDUSTRY STANDARDS. WASHING MACHINE AND DISHWASHER TO BE CUSTOMER'S CHOICE. 7. WATER HEATER TO BE CUSTOMER'S CHOICE. NOTE: SIZES SHOWN ARE MINIMUM UNIFORM PLUMBING CODE REQUIREMENTS FOR TRAPS, TRAP ARM & ROUGH-IN . IF CAST IRON NO-HUB PIPE IS USED, WASTE AND VENT PIPE SHALL BE 50MM MINIMUM.

ALL FIXTURES TO HAVE VENTILATION PIPE TO CEILING EVEN IF NOT SHOWED ON PLANS.





HVAC NOTES:

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXACT LOCATION OF ALL UTILITY SERVICES AND SLOPE PRIOR TO BID/INSTALLATION.
 CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING WORK AND REPORT ANY AND ALL DISCREPANCIES BETWEEN ACTUAL
- CONDITIONS AND THESE PLANS TO THE ENGINEER/ARCHITECT IMMEDIATELY.

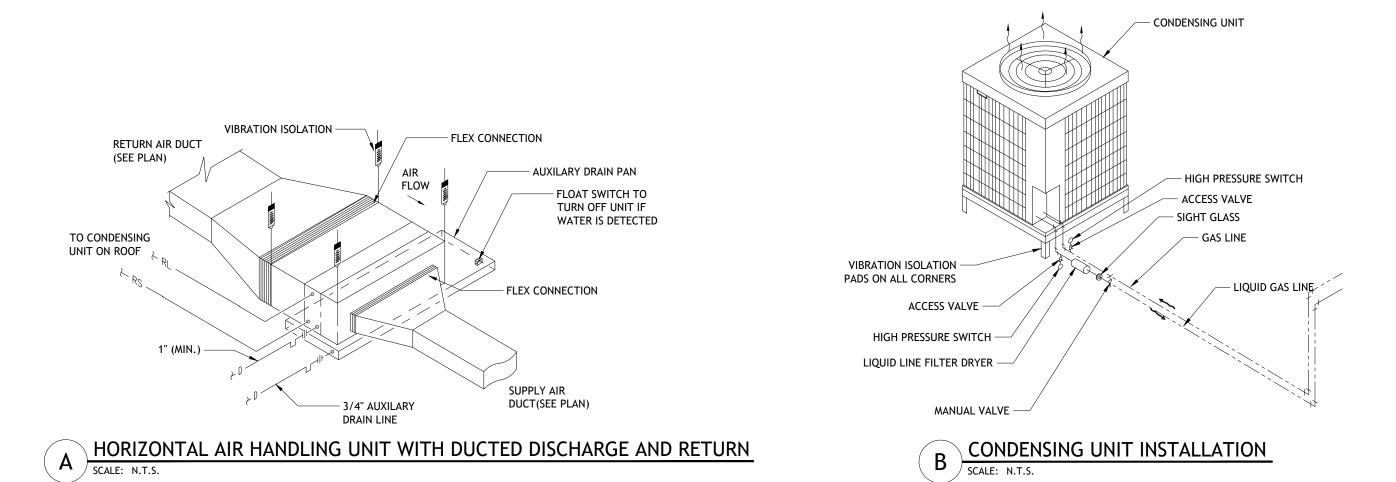
 3. CONTRACTOR SHALL MAKE ALL NECESSARY MODIFICATIONS DURING THE CONSTRUCTION PROCESS TO COMPLY WITH I.R.C. (INTERNATIONAL RESIDENTIAL
- CODE), LATEST EDITION, OR APPLICABLE CODES AT SITE.

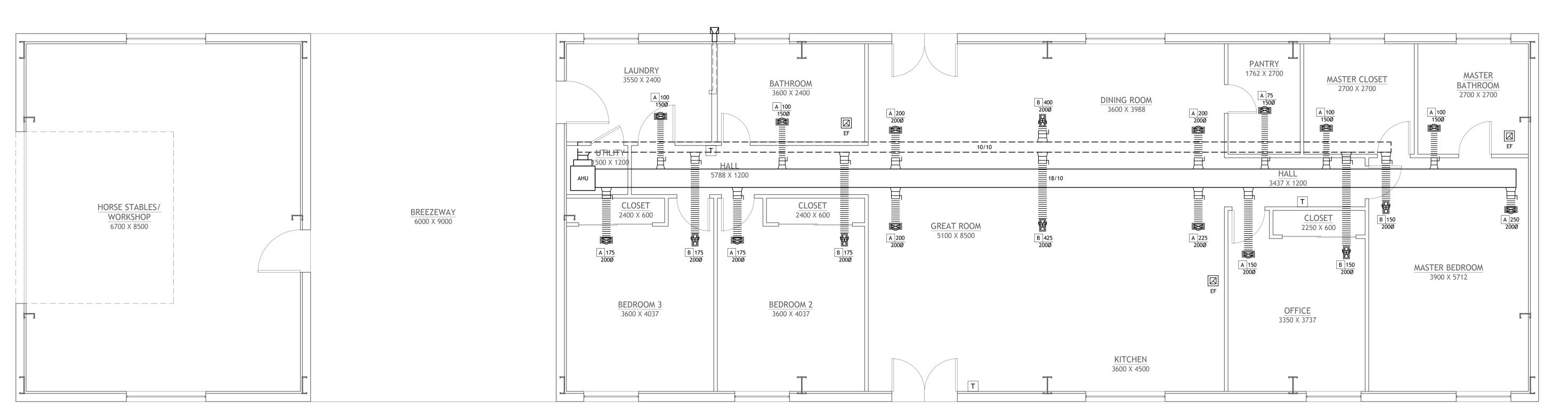
 4. CONTRACTOR SHALL PROVIDE ALL NECESSARY TRANSITIONS FROM MECHANICAL EQUIPMENT TO DUCTS.
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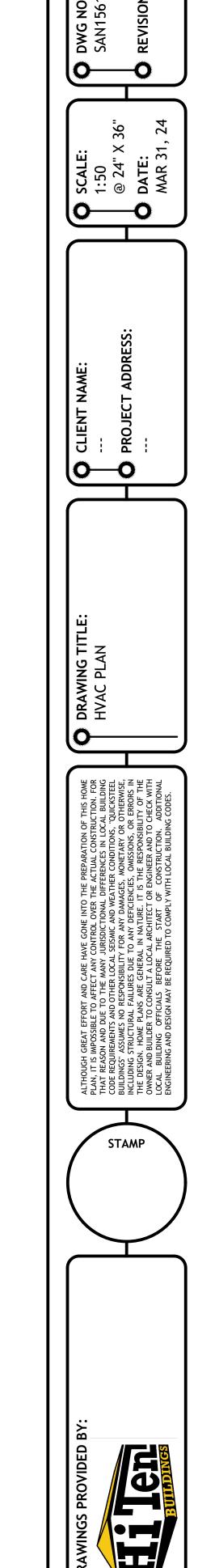
 5. MECHANICAL CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO MAINTAIN ACCESS CLEARANCES FOR ALL MECHANICAL EQUIPMENT.
- 6. ALL EXPOSED (VISIBLE) DUCT SHALL BE SHEET METAL SINGLE WALL INTERNALLY LINED TYPE AND SURFACED FOR PAINTING. COLOR SELECTION BY
- ARCHITECT. (NO EXPOSED FLEX DUCT SHALL BE ALLOWED).
 7. CONTRACTOR SHALL PROVIDE ACCESS PANELS FOR ALL MECHANICAL EQUIPMENT LOCATED ABOVE INACCESSIBLE CEILINGS.
- 8. ALL EXHAUST AND OUTSIDE AIR DUCTS SHALL BE INSULATED TO PREVENT CONDENSATION AS PER FBC ENERGY C403.2.7.1.3.
- 9. OUTSIDE AIR DAMPER FOR UNITS SHALL BE CLOSED WHEN UNITS ARE NOT IN OPERATION. PROVIDE MOTORIZED OR GRAVITY DAMPER AS PER FBC ENERGY C403.2.4.4.
- 10. ALL EXHAUST FANS SHALL BE EQUIPPED WITH BACKDRAFT DAMPERS WHICH CLOSE WHEN THAT FAN IS NOT IN OPERATION. PROVIDE MOTORIZED OR GRAVITY DAMPER AS PER FBC ENERGY C403.2.4.4.
- 11. CONTRACTOR SHALL COORDINATE ALL ROOF PENETRATIONS AND ROOFING WORK WITH ROOFING CONTRACTOR AS REQUIRED TO MAINTAIN ROOF
- 12. PROVIDE VOLUME DAMPERS ON ALL DIFFUSERS (VISIBLE ON PLAN OR NOT).
- 13. REDUCE DUCT 50MM MAX. WHERE JOIST CAUSE CONFLICT.
- 14. BUILDING HVAC CALCULATIONS ARE TO BE PROVIDED BY THE MECHANICAL CONTRACTOR.

HVAC LEGEND	
SUPPLY DUCT (WIDTH/ HEIGHT) RETURN DUCT (WIDTH/ HEIGHT)	XX/XX XX/XX
DUCT W/ SUPPLY DIFFUSER	
DUCT W/ RETURN DIFFUSER OR GRILLE EXHAUST FAN AIR DEVICE DESIGNATOR CFM VALUE W/ NECK SIZE	EF A XXX XØ
DRYER VENT	
DRYER DUCT	
THERMOSTAT	T
NOTE:	

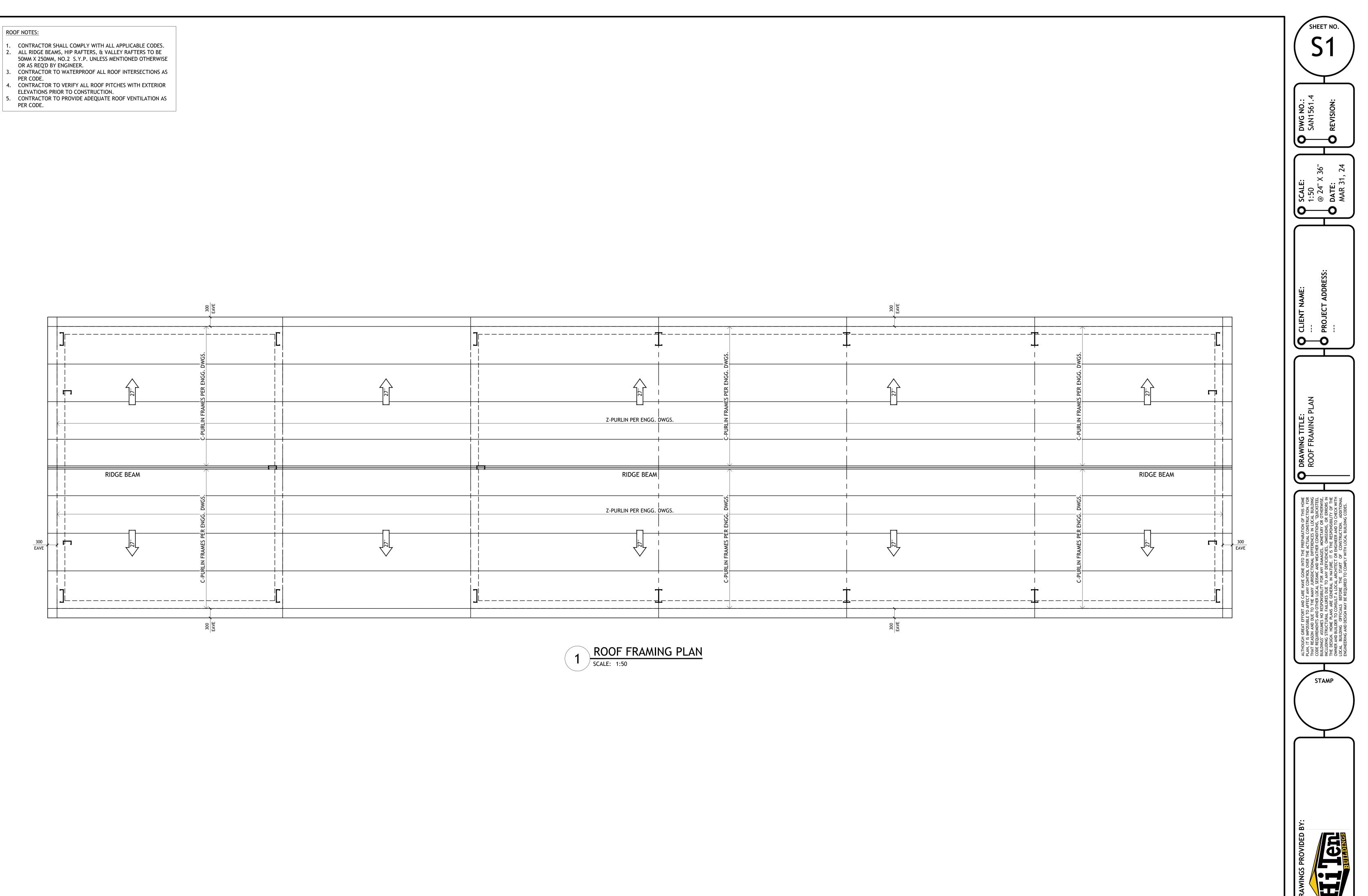
LOCATION AND NUMBER OF DIFFUSERS, DUCT SIZE, CFM VALUE AND NECK SIZE MAY CHANGE BASED ON SITE CONDITIONS. PLANS ARE GENERAL IN NATURE AND LOCAL CODES ARE TO BE FOLLOWED.











FOUNDATION NOTES:

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXACT LOCATION OF ALL UTILITY SERVICES AND SLOPE PRIOR TO BID/INSTALLATION. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING WORK AND REPORT ANY AND ALL DISCREPANCIES BETWEEN
- ACTUAL CONDITIONS AND THESE PLANS TO THE ENGINEER/ARCHITECT IMMEDIATELY. CONTRACTOR SHALL MAKE ALL NECESSARY MODIFICATIONS DURING THE CONSTRUCTION PROCESS TO COMPLY WITH I.R.C. (INTERNATIONAL RESIDENTIAL CODE), LATEST EDITION, OR APPLICABLE CODES AT SITE.
- 4. SEE ARCHITECTURAL DRAWINGS FOR CONCRETE SLAB ELEVATIONS, DEPRESSIONS, SLOPES, OPENINGS, CURBS, DRAINS, TRENCHES, SLAB EDGE
- LOCATIONS, ETC., AND FOR WALL OVERALL DIMENSIONS, LOCATIONS OF OPENINGS, ETC., NOT INDICATED ON STRUCTURAL DRAWINGS.
- VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO COMMENCING THE WORK.
- 6. ALL DIMENSIONS SHALL BE VERIFY IN FIELD PRIOR TO COMMENCING ANY DEMOLITION.
- 7. FOR FOUNDATION/SOIL/DRAINAGE SPECIFICATION REFER TO SOIL GEOTECHNICAL REPORT.
- 8. FOUNDATION PLANS AND PERTINENT DETAILS SHALL BE REVIEWED AND APPROVED BY THE SOILS ENGINEER PRIOR TO ANY FOUNDATION WORK. SOIL REPORT SHALL BE TAKEN PRECEDENCE OVER STRUCTURAL NOTES AND DETAILS. SITE GRADING, SUBGRADE PREPARATION, EXCAVATION, AND PLACEMENT OF ENGINEERED FILL MATERIAL SHALL BE PERFORMED IN ACCORDANCE WITH THE SOIL REPORT AND GRADING PLANS. ALL EXCAVATION
- AND PLACEMENT OF ENGINEERED FILL SHOULD BE OBSERVED AND APPROVED BY THE SOILS ENGINEER BEFORE PLACEMENT OF REBAR. 9. SURFACE OUTSIDE THE HOUSE NEEDS TO HAVE 5% SLOPE (UNPAVED SURFACE) & 2% SLOPE (PAVED SURFACE) AWAY FROM THE STRUCTURE.
- 10. ALL FOOTING SIZES AND LOCATIONS TO BE VERIFIED BY A LICENSED STRUCTURAL ENGINEER.
- 11. CONTRACTOR TO ADAPT PLANS AS REQUIRED TO MEET ALL APPLICABLE CODES AT SITE.
- 12. CONTRACTOR TO PROVIDE WATERPROOFING AS REQUIRED TO MEET ALL APPLICABLE CODES AND TYPICAL BUILDING PRACTICES.
- 13. CONCRETE SLABS TO BE 100MM (3000 PSI MIN.), REINFORCED AS PER CODE OR AS DETERMINED BY LICENSED ENGINEER. 14. CONTRACTOR TO PROVIDE ADEQUATE DRAINAGE BASED ON EXISTING SITE CONDITIONS. VERIFY W/LOCAL CODES.
- 15. REFER TO FLOOR JOIST MANUFACTURER FOR JOIST SIZING AND SPACING, CROSS BRACING REQUIREMENTS, AND BEAM SIZES. 16. PROVIDE JOISTS UNDER ALL WALLS RUNNING PARALLEL.

SPECIFICATION NOTES

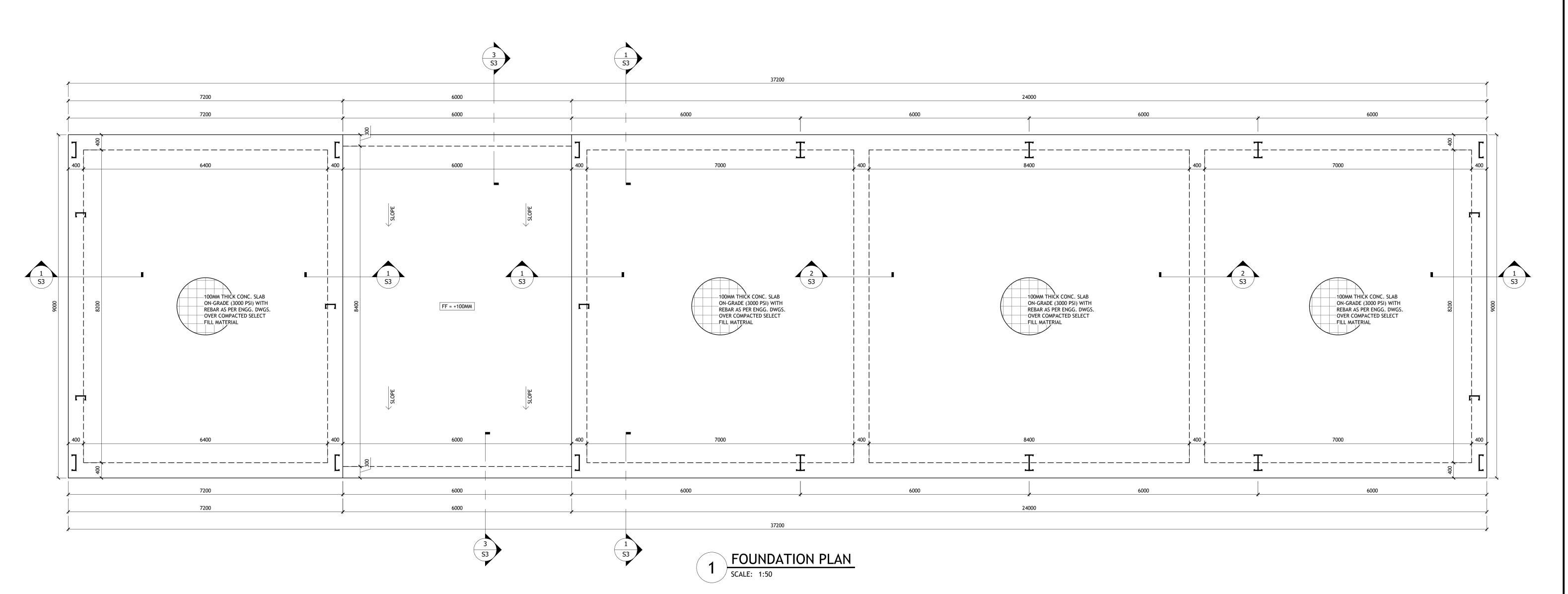
REINFORCED CONCRETE SHALL CONFORM TO APPLICABLE REQUIREMENTS

THE MAXIMUM SPACING OF CONTROL JOINTS SHALL BE 500MM O.G.,

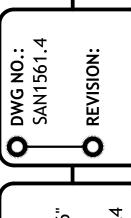
- OF THE 2012 I.R.C. AND ALL LOCAL CITY OR COUNTY GUIDELINES. 2. ALL CONCRETE USED IN THE FOUNDATIONS AND SLABS ON GRADE
- SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF NOT LESS THAN 3,000 PSI. THE MAXIMUM SLUMP SHALL NOT EXCEED 100MM. 4. PROVIDE CONTROL JOINTS IN ALL EXPOSED SLABS ON GRADE.
- UNLESS OTHERWISE NOTED. 5. A CIVIL ENGINEER SHOULD BE CONSULTED TO VERIFY FOUNDATION
- PLANS AND DETAILS.

SITE DRAINAGE:

IT IS RECOMMENDED THAT THE DRAINAGE BE WELL DEVELOPED. SURFACE WATER SHOULD BE DIRECTED AWAY FROM THE FOUNDATION SOILS. (USE A MINIMUM SLOPE OF 2% WITHIN 10 FEET OF THE FOUNDATION. NO PONDING OF SURFACE WATER SHALL BE ALLOWED NEAR THE STRUCTURE DURING OR AFTER COMPLETION OF THE CONSTRUCTION AND THE LANDSCAPING. THE BUILDER SHALL ADVISE THE OWNER OF THE SITE DRAINAGE REQUIREMENTS.



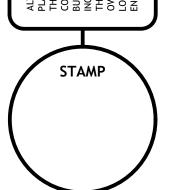




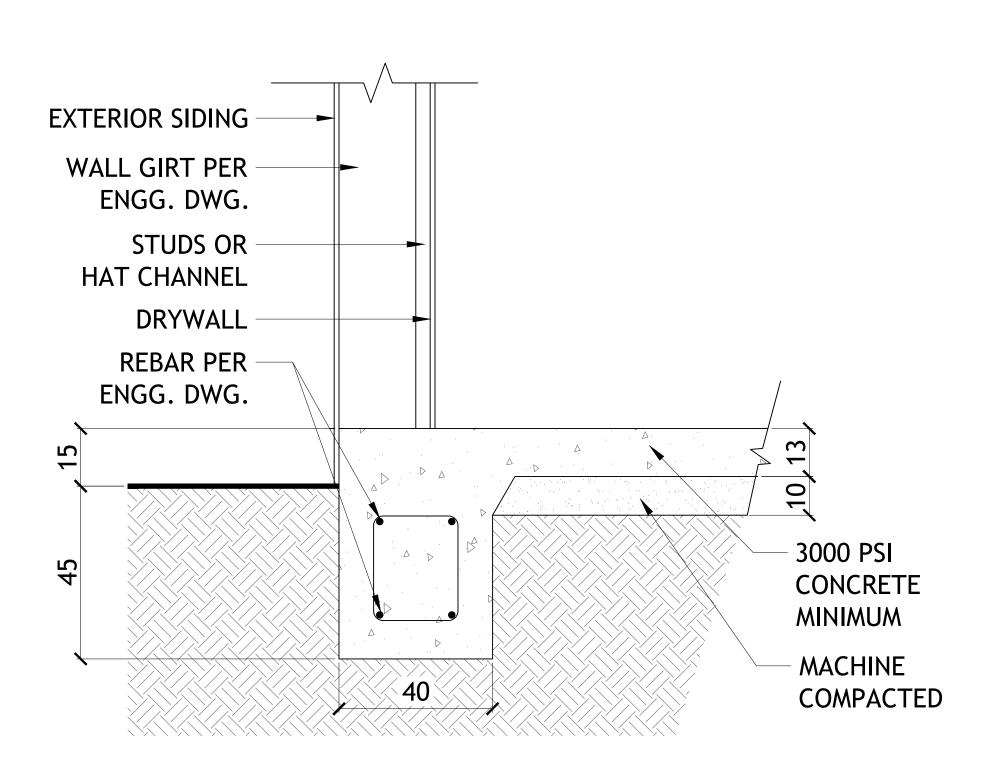






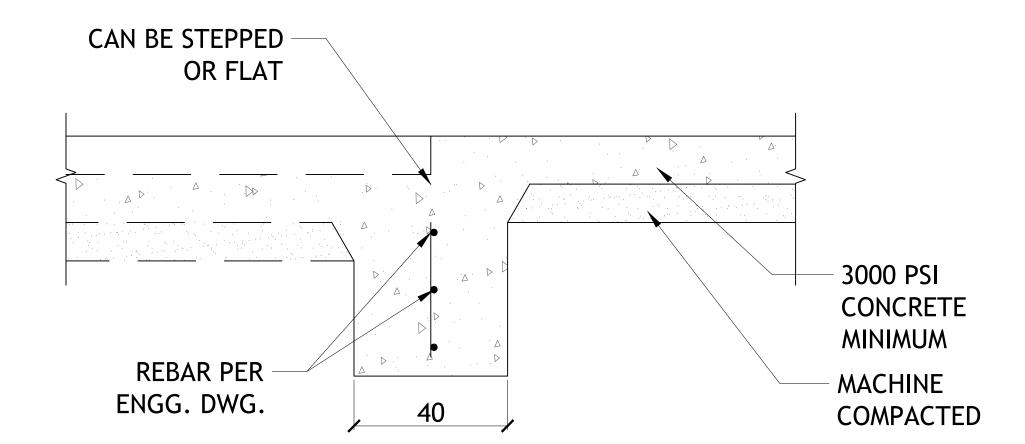






1 FOUNDATION DETAIL

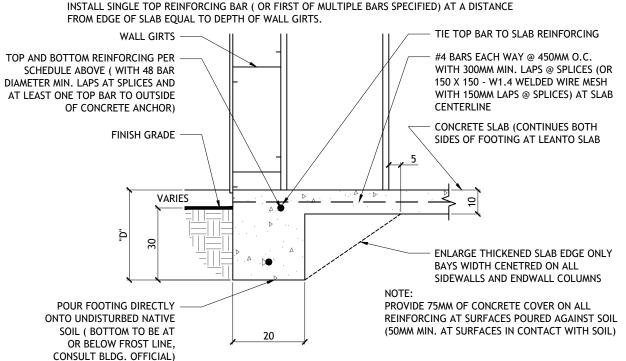
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2 INTERIOR BEARING FOOTING
SCALE: 1:10

LOCATIONS	"B"	"D"	TOP REINF.	BOTTOM REINF.
MAIN BUILDING SIDEWALLS	300	400	(2) - #4	(1) - #4
LEANTO "A" SIDEWALLS	300	300	(1) - #4	(1) - #4
MAIN BUILDING ENDWALLS	400	450	(1) - #4	(1) - #4
LEANTO ENDWALLS	300	300	(1) - #4	(1) - #4

* NOTE: SINGLE REINFORCING BAR SHOWN IN DETAIL REPRESENTS TOTAL REINFORCING STEEL REQUIRED. SPACE MULTIPLE VARS @ 100MM O.C. MIN. INSTALL SINGLE TOP REINFORCING BAR (OR FIRST OF MULTIPLE BARS SPECIFIED) AT A DISTANCE



NOTE:

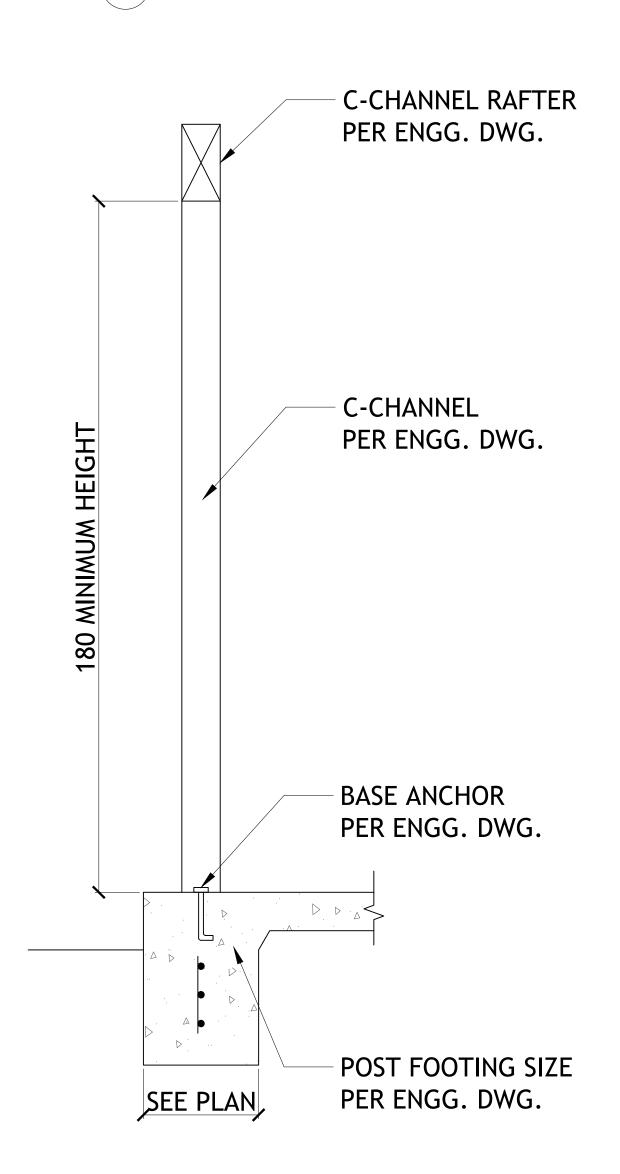
1. SLAB REINFORCING SHOWN ABOVE IS SPECIFIED AS A METHOD OF CONTROLLING SHRINKAGE CRACKING AT THE SLAB SURFACE. CUSTOMER MAY CHOOSE ANOTHER METHOD OR REMOVE SLAB REINFORCING ALL TOGETHER BUT CUSTOMER WILL ASSUME ALL RESPONSIBILITY FOR THE PERFORMANCE OF THE SLAB. IF ANY OTHER METHOD IS CHOSEN BESIDES WHAT IS SHOWN ON THIS DETAIL, CUSTOMER SHALL INSTALL, AT EACH FRAME, (1) #4 CONT. BAR SIDEWALL-TO-SIDEWALL WITH A 150MM 90 HOOK AT EACH END AROUND FRAME COLUMN CONCRETE ANCHOR GROUP.

2. SLAB DESIGN AND REINFORCING SPECIFIED IS BASED SOLELY ON THE SOIL DESIGN PRESSURE INDICATED ON DRAWING SHEET 1 ASSUMING A MAX. POINT (WHEEL) LOAD OF 3000. SLAB DESIGN FOR ANY OTHER SLAB THICKNESS OR POINT LOADS SHALL BE PROVIDED BY OTHERS.

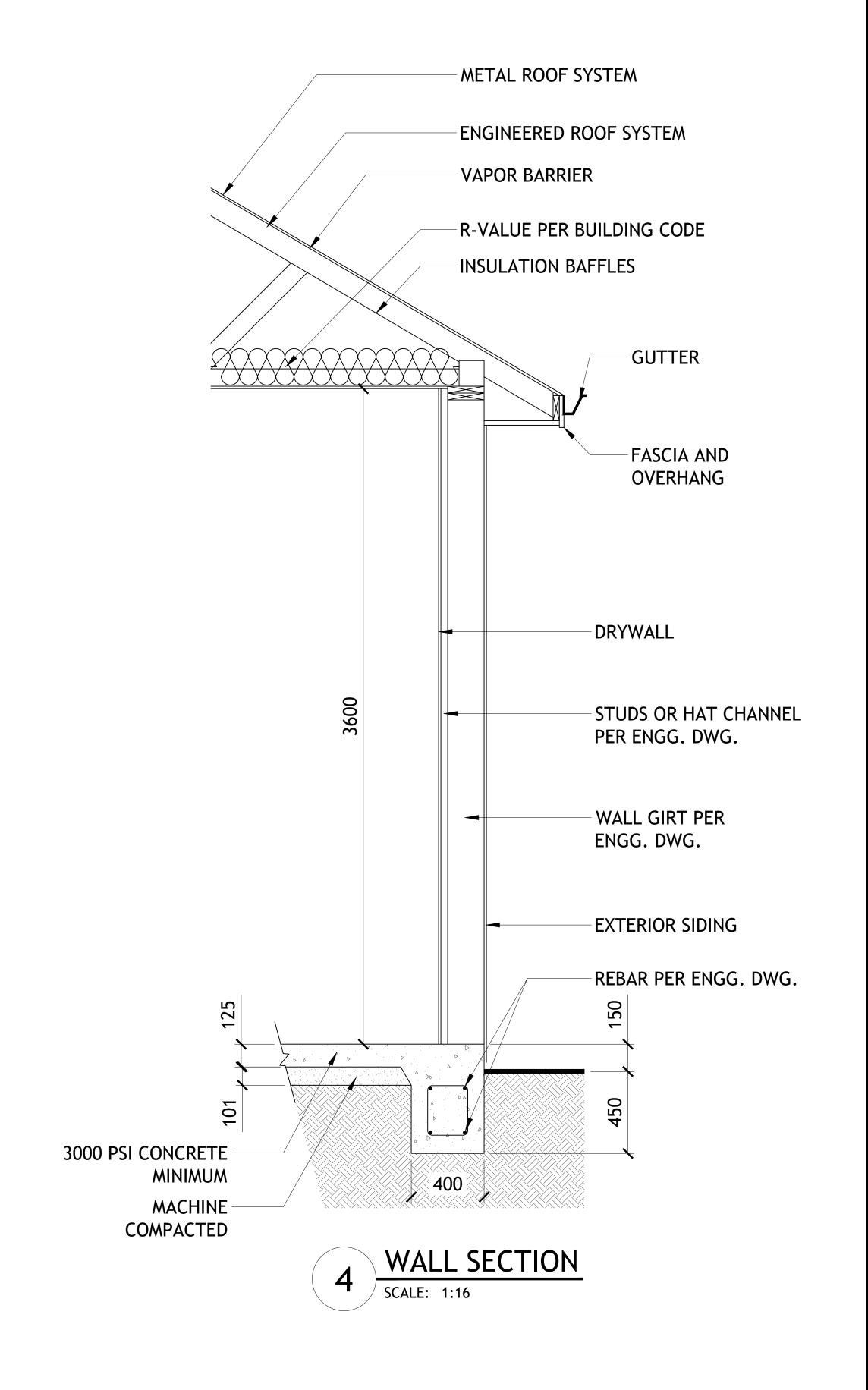
3. SLAB AND FOUNDATION DESIGN SHOWN IS FOR STRUCTURAL PURPOSES ONLY. SLAB DESIGN SHOWN DOES NOT ADDRESS SLAB CONCRETE STRENGTH FOR WEAR RESISTANCE, VAPOR OR MOISTURE BARRIERS, SLAB SUBBASE MATERIAL SPECIFICATIONS OR INSTALLATION METHODS, OR THERMAL (INSULATION) REQUIREMENTS. A QUALIFIED

PROFESSIONAL SHOULD BE RETAINED TO PROVIDE GUIDANCE FOR THOSE CONCERNS NOT ADDRESSED ON THIS DETAIL

5 EDGE OF SLAB DETAIL SCALE: N.T.S.







ALTHOUGH GREAT EFFOR PLAN, IT IS MPOSSIBLE TO THAT REASON AND DUE 1 CODE REQUIREMENTS AND BUILDINGS" ASSUMES NO INCLUDING STRUCTURAL ITHE DESIGN. HOME PLAN OWNER AND BUILDER TO CLOCAL BUILDING OFFICIENCINES AND DESIGN

HITEPINGS