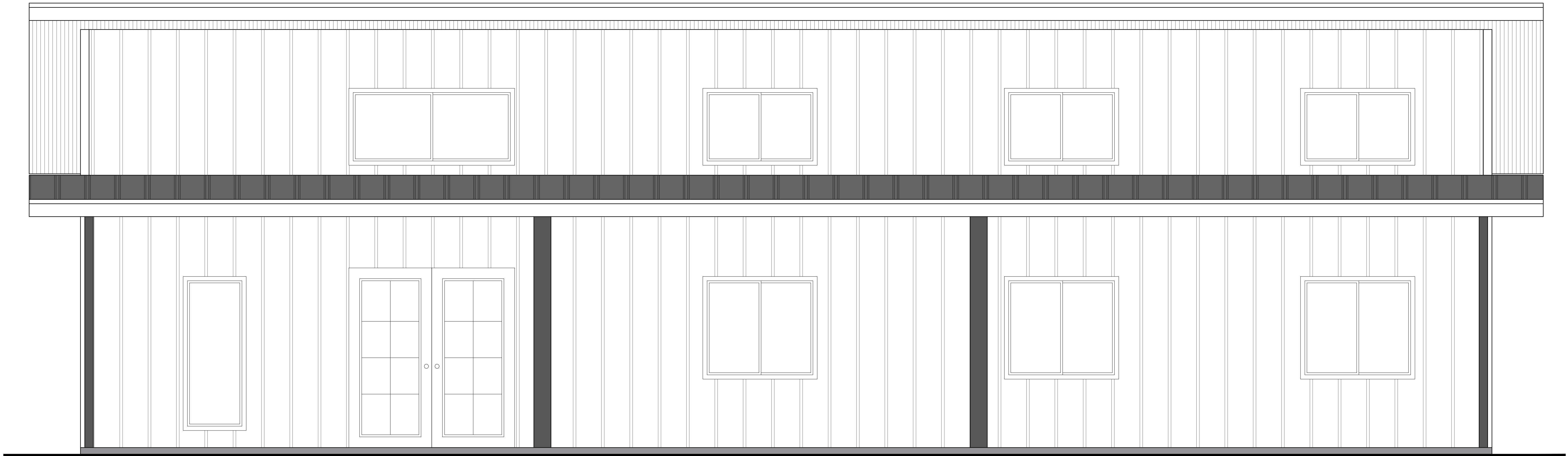


CUSTOM BARNDOMINIUM HOUSE

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
S3	FOUNDATION DETAIL
	INTERIOR BEARING FOOTING
	C-TYPICAL COLUMN DETAIL
	WALL SECTION
	EDGE OF SLAB DETAIL



SHEET NO.
C1

DWG NO.:
SANT1561.4
REVISION:

SCALE:
N.T.S.
@ 24" X 36"
DATE:
MAY 01, 24

CLIENT NAME:
...
PROJECT ADDRESS:
...

DRAWING TITLE:
COVER PAGE

ALTHOUGH GREAT EFFORT AND CARE HAVE GONE INTO THE PREPARATION OF THIS HOME
DRAWING, THE ARCHITECT ASSUMES NO LIABILITY FOR ANY ERRORS OR OMISSIONS
THAT MAY OCCUR DUE TO THE MANY JURISDICTIONAL DIFFERENCES IN LOCAL BUILDING
CODES, REGULATIONS AND OTHER LOCAL, STATE, AND FEDERAL REQUIREMENTS. THE
ARCHITECT'S RESPONSIBILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE
DRAWING. THE ARCHITECT DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION
INCLUDING STRUCTURAL FAILURES DUE TO ANY DEFICIENCIES, OMISSIONS, OR ERRORS IN
THE DRAWING. THE ARCHITECT DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION
OWNER AND BUILDER TO CONSULT A LOCAL ARCHITECT OR ENGINEER AND TO CHECK WITH
LOCAL BUILDING OFFICIALS BEFORE THE START OF CONSTRUCTION. ADDITIONAL
ENGINEERING AND DESIGN MAY BE REQUIRED TO COMPLY WITH LOCAL BUILDING CODES.

STAMP

DRAWINGS PROVIDED BY:
Hi-Ten
BUILDINGS

- GENERAL 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.
 - CONTRACTOR SHALL VERIFY ALL INTERIOR FINISHES, FLOOR COVERINGS, AND TRIM SIZES & CONFIGURATIONS WITH OWNER PRIOR TO CONSTRUCTION.
 - IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY CLEARANCES OF THE ITEMS MENTIONED IN THE DRAWINGS PRIOR TO THE CONSTRUCTION.
 - EXTERIOR WALL AND ROOF FINISHES AS PER CUSTOMER'S CHOICE.
 - REFER TO MANUFACTURER'S SPECS FOR ROUGH OPENING DIMENSIONS, FOR DOOR AND WINDOWS.
 - ALL BEAMS SIZES TO BE VERIFIED BY THE STRUCTURAL ENGINEER.

DOOR SCHEDULE

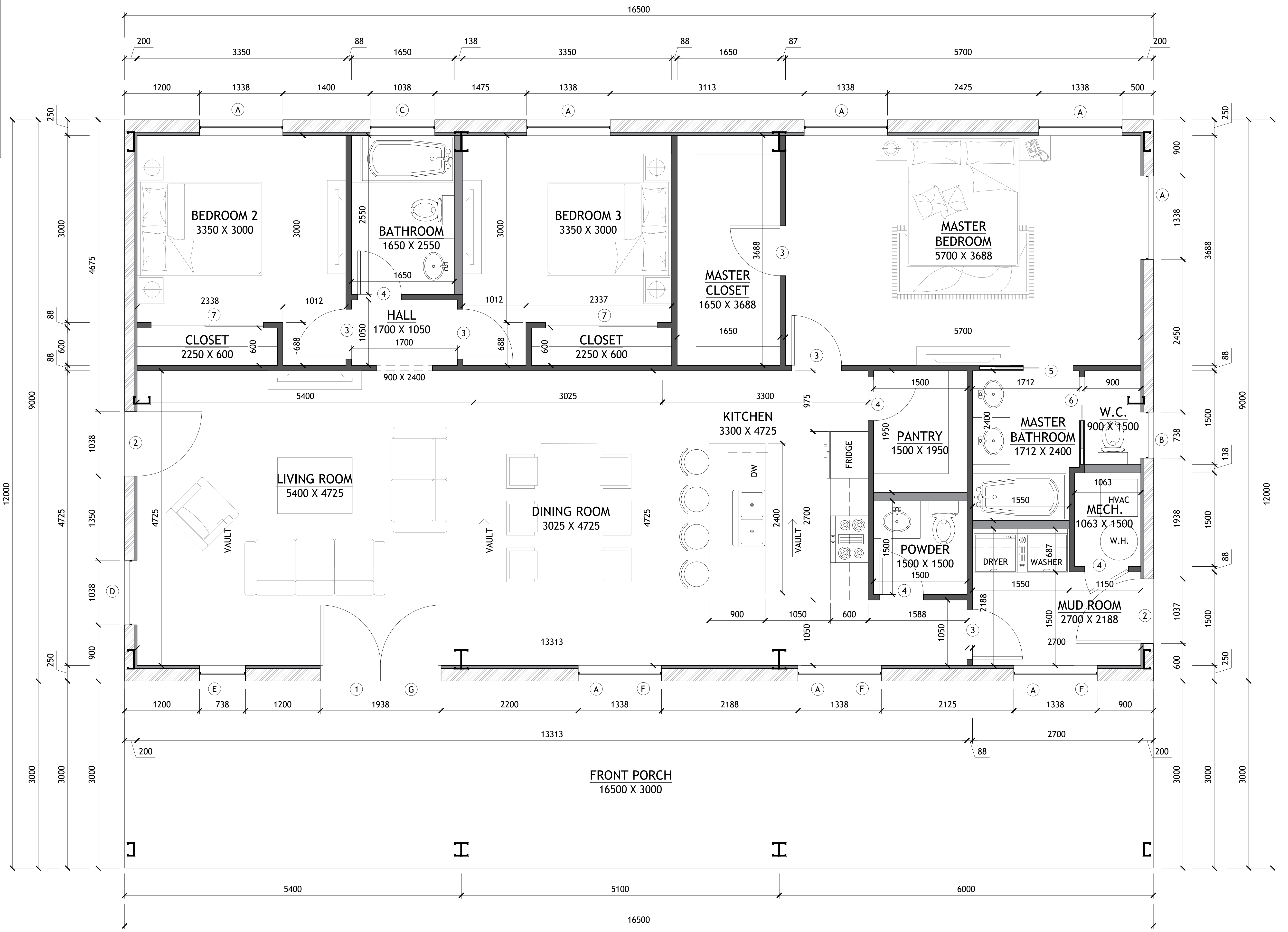
	WIDTH	HEIGHT	QTY.	DESCRIPTION
①	1938	2040	1	DOUBLE FRENCH DOOR
②	1038	2040	2	SINGLE FRENCH DOOR
③	800	2040	5	HOLLOW CORE
④	700	2040	4	HOLLOW CORE
⑤	800	2040	1	POCKET DOOR
⑥	700	2040	1	POCKET DOOR
⑦	1800	2040	2	SLIDING CLOSET DOOR

WINDOW SCHEDULE

	WIDTH (OPENING)	HEIGHT	QTY.	DESCRIPTION
A	1338	1200	8	SLIDER
B	738	600	1	FIXED
C	1038	600	1	FIXED
D	1038	900	1	SLIDER
E	738	1800	1	PICTURE
F	1338	900	3	SLIDER
G	1938	900	1	SLIDER

AREA CALCULATION

LIVING AREA:	153 mm ²
FRONT PORCH:	51 mm ²
TOTAL FLOOR AREA:	204 mm²



1 FLOOR PLAN
SCALE: 1:30

SHEET NO. **A1**

DWG NO.: SAN1561.4
REVISION:

SCALE: 1:30 @ 24" X 36"
DATE: MAY 01, 24

CLIENT NAME:
PROJECT ADDRESS:

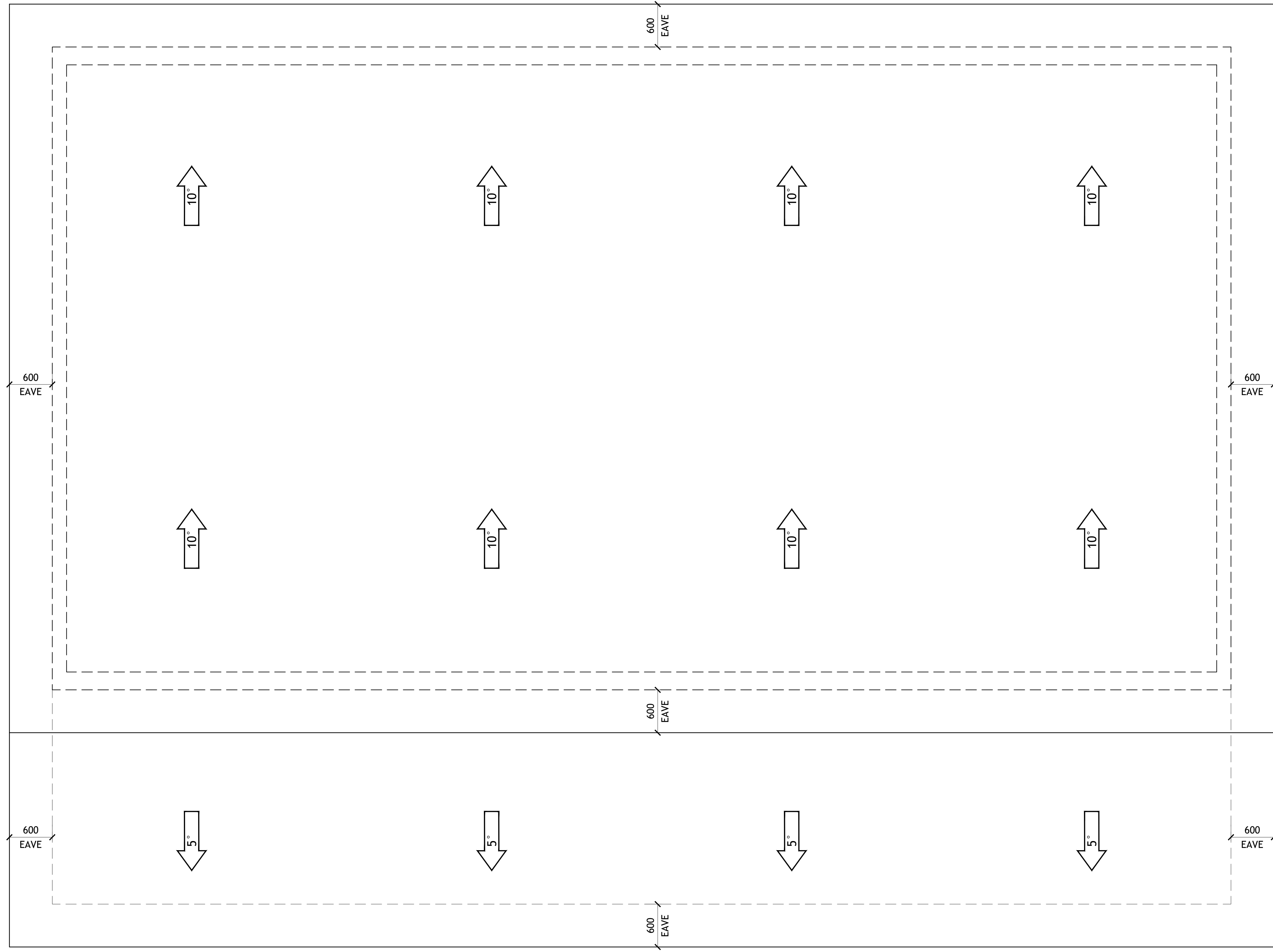
DRAWING TITLE:
FLOOR PLAN

ALTHOUGH GREAT EFFORT AND CARE HAVE GONE INTO THE PREPARATION OF THIS DRAWING, THE ARCHITECT ASSUMES NO LIABILITY FOR ERRORS OR OMISSIONS. THE ARCHITECT'S RESPONSIBILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE BUILDING AS SHOWN ON THESE PLANS. THE ARCHITECT DOES NOT WARRANT THE ACCURACY OF ANY INFORMATION PROVIDED BY THE CLIENT OR ANY OTHER SOURCE. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR ANY STRUCTURAL FAILURES OR OTHER CONSTRUCTION DEFECTS. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR ANY DELAYS OR COST INCREASES DUE TO CHANGES OR OMISSIONS BY THE CLIENT OR ANY OTHER SOURCE. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR ANY INADEQUACIES OF THE FOUNDATION OR SOIL CONDITIONS. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR ANY INADEQUACIES OF THE UTILITY SERVICES OR SLOPE. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR ANY INADEQUACIES OF THE LOCAL BUILDING OFFICIALS. BEFORE THE START OF CONSTRUCTION, ADDITIONAL ENGINEERING AND DESIGN MAY BE REQUIRED TO COMPLY WITH LOCAL BUILDING CODES.

STAMP

DRAWINGS PROVIDED BY:
Hi-Ten BUILDERS

- ROOF NOTES:
1. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES.
 2. ALL RIDGE BEAMS, HIP RAFTERS, & VALLEY RAFTERS TO BE 2" X 10", NO.2 S.Y.P. UNLESS MENTIONED OTHERWISE OR AS REQD BY ENGINEER.
 3. CONTRACTOR TO WATERPROOF ALL ROOF INTERSECTIONS AS PER CODE.
 4. CONTRACTOR TO VERIFY ALL ROOF PITCHES WITH EXTERIOR ELEVATIONS PRIOR TO CONSTRUCTION.
 5. CONTRACTOR TO PROVIDE ADEQUATE ROOF VENTILATION AS PER CODE.



1 **ROOF PLAN**
SCALE: 1:30

SHEET NO. **A2**

DWG NO.: SAN1561.4 REVISION:

SCALE: 1:30 @ 24" X 36" DATE: MAY 01, 24

CLIENT NAME: ... PROJECT ADDRESS: ...

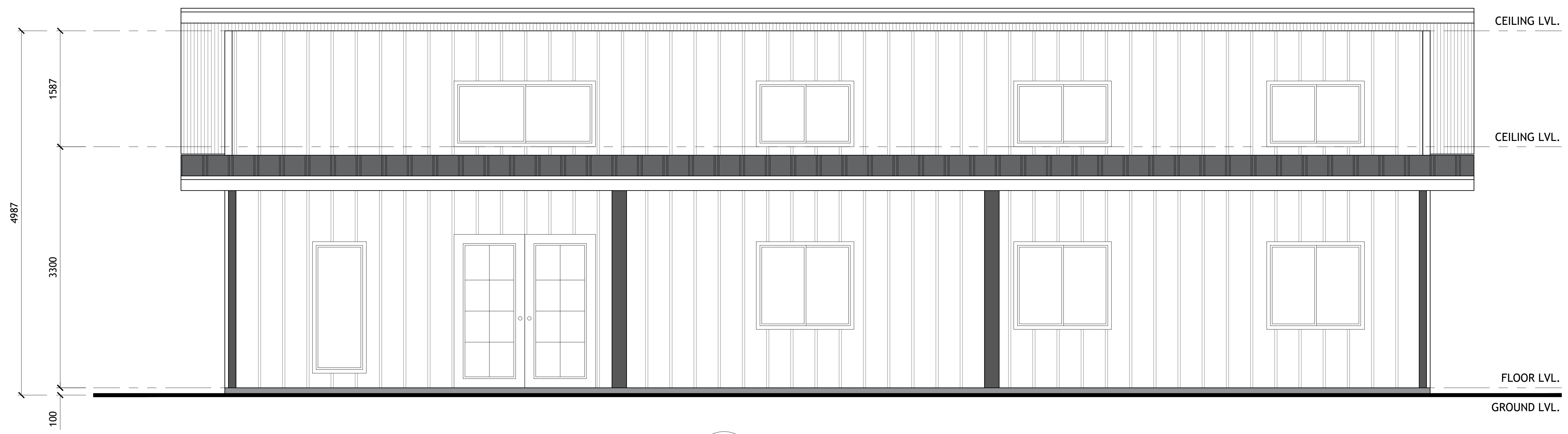
DRAWING TITLE: ROOF PLAN

ALTHOUGH GREAT EFFORT AND CARE HAVE GONE INTO THE PREPARATION OF THIS DRAWING, THE ENGINEER DOES NOT WARRANT THAT THE DRAWING IS FREE FROM ERRORS OR OMISSIONS. THE ENGINEER'S RESPONSIBILITY IS LIMITED TO THE DESIGN AND CALCULATIONS SHOWN ON THIS DRAWING. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR VERIFYING THAT THE DESIGN AND CALCULATIONS SHOWN ON THIS DRAWING COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. THE ENGINEER'S LIABILITY IS LIMITED TO THE DESIGN AND CALCULATIONS SHOWN ON THIS DRAWING. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR VERIFYING THAT THE DESIGN AND CALCULATIONS SHOWN ON THIS DRAWING COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS.

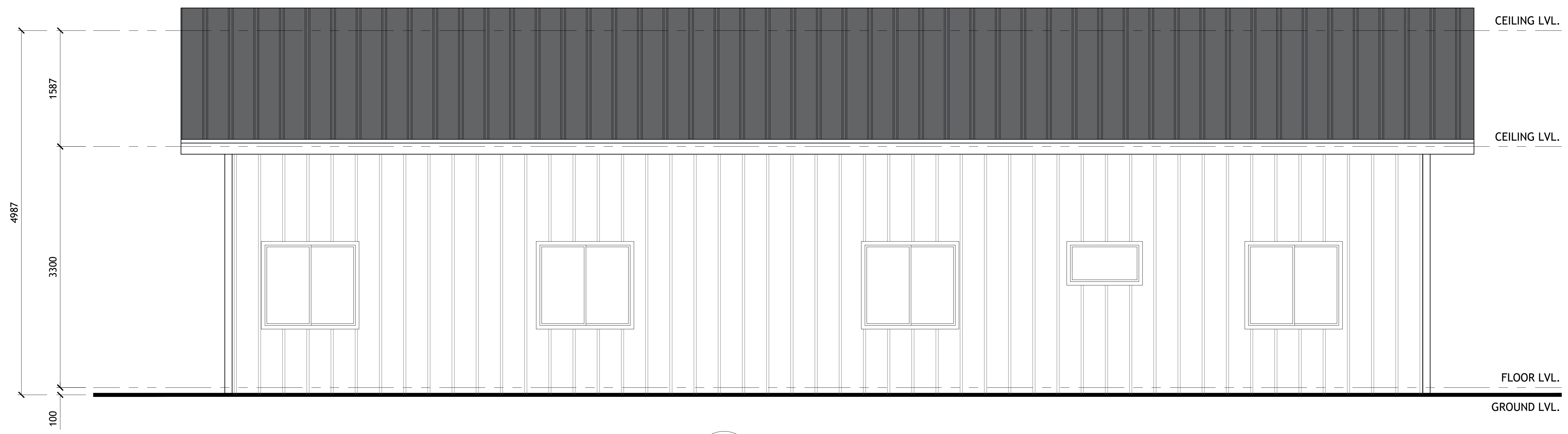
STAMP

DRAWINGS PROVIDED BY: **Hi-Ten BUILDINGS**

- EXTERIOR ELEVATION NOTES:
1. CONTRACTOR TO VERIFY ALL WINDOW AND DOOR STYLES AND SIZES WITH OWNER PRIOR TO CONSTRUCTION.
 2. PROVIDE STEPS AND GUARD RAILS AS PER CODE BASED ON SITE CONDITIONS.
 3. GROUND LINES SHOWN FOR REFERENCE ONLY AND VARY DEPENDING ON SITE CONDITIONS.
 4. ALL FINISH MATERIALS TO BE VERIFIED WITH OWNER PRIOR TO CONSTRUCTION.
 5. REFER TO TYPICAL WALL DETAIL FOR FRAMING METHODS AND OTHER MISC. INFORMATION.
 6. CONTRACTOR TO PROVIDE ADEQUATE ROOF VENTILATION AS REQ'D BY CURRENT CODES.



1 FRONT ELEVATION
SCALE: 1:30



2 REAR ELEVATION
SCALE: 1:30

SHEET NO. **A3**

DWG NO.: SAN1561.4 REVISION:

SCALE: 1:30 @ 24" X 36" DATE: MAY 01, 24

CLIENT NAME: ... PROJECT ADDRESS: ...

DRAWING TITLE: FRONT AND REAR ELEVATION

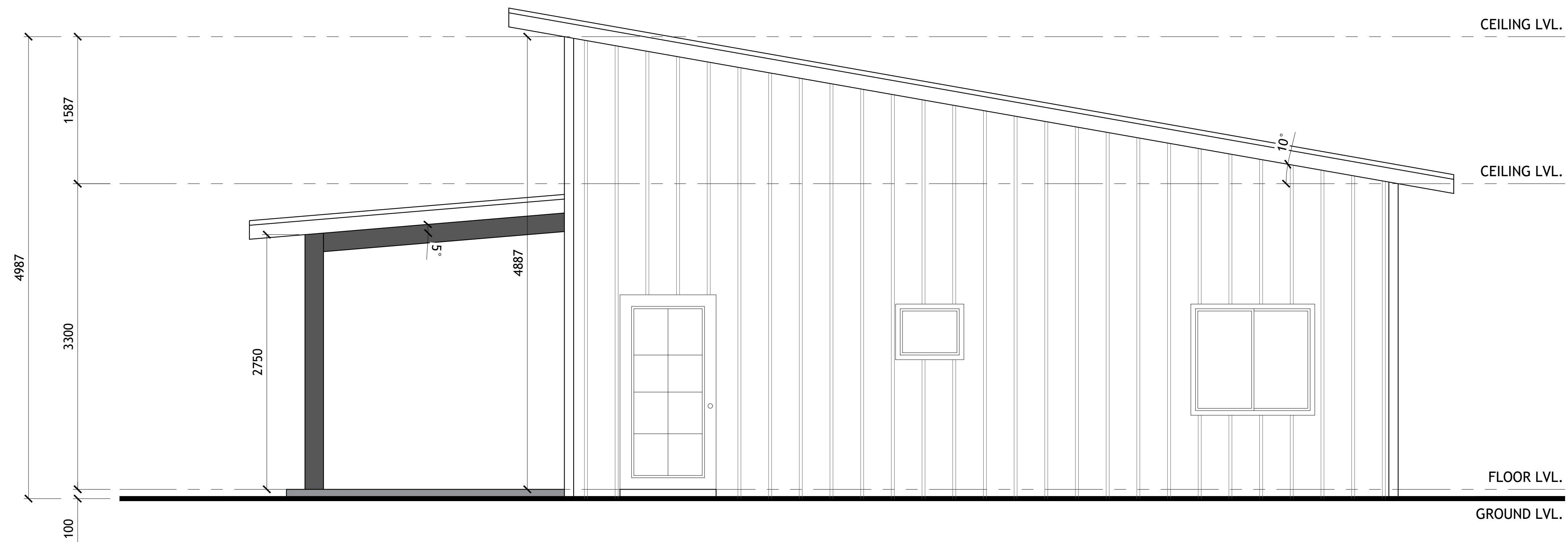
ALTHOUGH GREAT EFFORT AND CARE HAVE GONE INTO THE PREPARATION OF THIS HOME DRAWING, THE ARCHITECT ASSUMES NO LIABILITY FOR ERRORS OR OMISSIONS THAT MAY OCCUR DUE TO THE MANY JURISDICTIONAL DIFFERENCES IN LOCAL BUILDING CODES, REGULATIONS AND OTHER LOCAL, STATE, AND FEDERAL REQUIREMENTS. THE ARCHITECT'S RESPONSIBILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE BUILDING AS SHOWN ON THESE DRAWINGS. THE ARCHITECT DOES NOT WARRANT THE ACCURACY OF ANY INFORMATION PROVIDED BY THE OWNER OR BUILDER. LOCAL BUILDING OFFICIALS SHOULD BE CONSULTED PRIOR TO THE START OF CONSTRUCTION. ADDITIONAL ENGINEERING AND DESIGN MAY BE REQUIRED TO COMPLY WITH LOCAL BUILDING CODES.

STAMP

DRAWINGS PROVIDED BY: **Hi-Ten BUILDERS**

EXTERIOR ELEVATION NOTES:

1. CONTRACTOR TO VERIFY ALL WINDOW AND DOOR STYLES AND SIZES WITH OWNER PRIOR TO CONSTRUCTION.
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3. GROUND LINES SHOWN FOR REFERENCE ONLY AND VARY DEPENDING ON SITE CONDITIONS.
4. ALL FINISH MATERIALS TO BE VERIFIED WITH OWNER PRIOR TO CONSTRUCTION.
5. REFER TO TYPICAL WALL DETAIL FOR FRAMING METHODS AND OTHER MISC. INFORMATION.
6. CONTRACTOR TO PROVIDE ADEQUATE ROOF VENTILATION AS REQ'D BY CURRENT CODES.



1 RIGHT ELEVATION
SCALE: 1:30



2 LEFT ELEVATION
SCALE: 1:30

SHEET NO.
A4

DWG NO.: SAN1561.4
REVISION:

SCALE: 1:30 @ 24" X 36"
DATE: MAY 01, 24

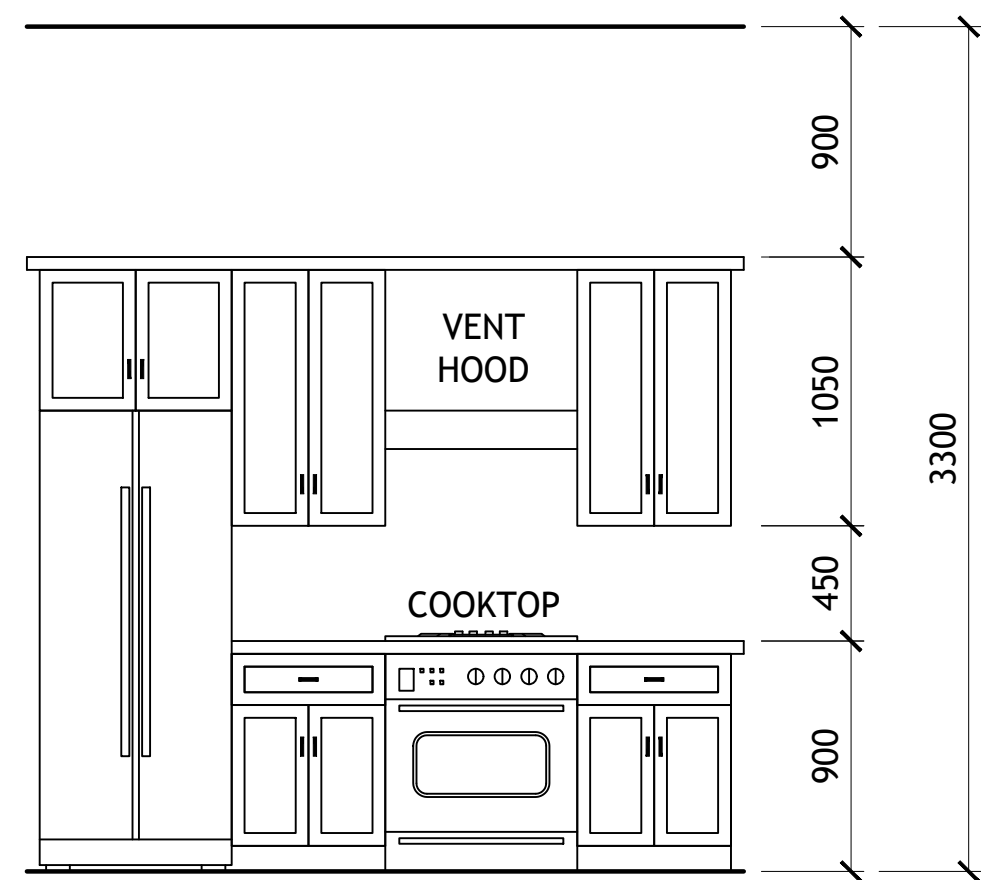
CLIENT NAME:
PROJECT ADDRESS:

DRAWING TITLE:
RIGHT AND LEFT ELEVATION

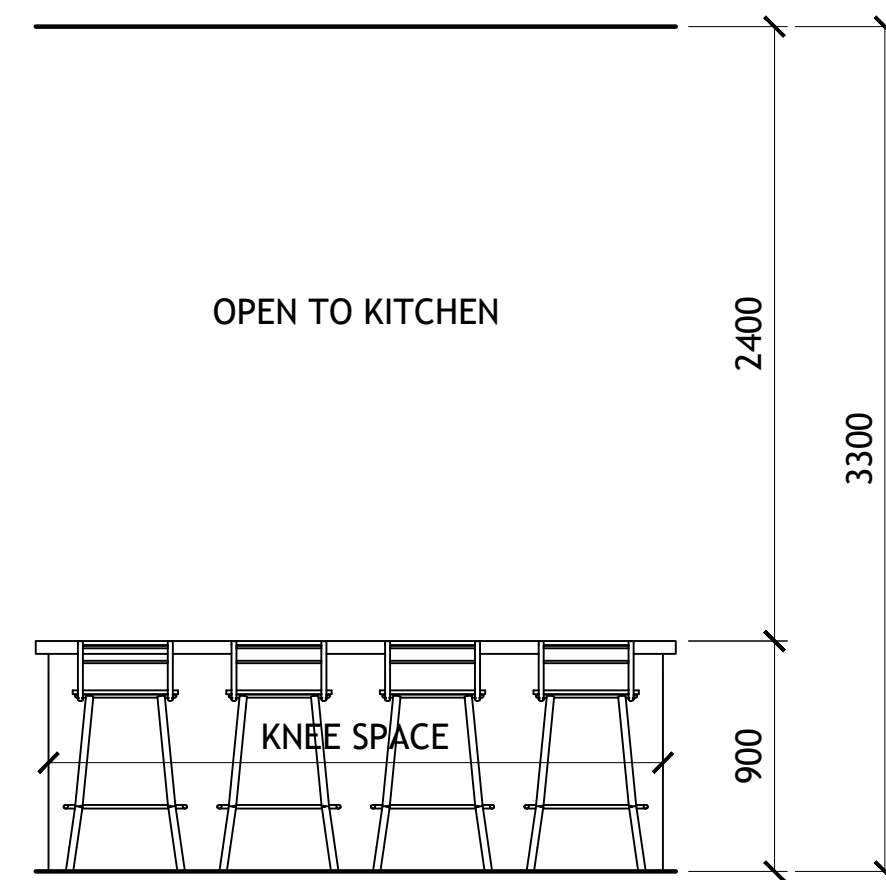
ALTHOUGH GREAT EFFORT AND CARE HAVE GONE INTO THE PREPARATION OF THIS HOME DRAWING, THE ARCHITECT ASSUMES NO LIABILITY FOR CONSTRUCTION DEFECTS OR OTHER ISSUES THAT MAY ARISE DUE TO THE MANY JURISDICTIONAL DIFFERENCES IN LOCAL BUILDING CODES, REGULATIONS AND OTHER LOCAL, STATE, AND FEDERAL REQUIREMENTS. THE ARCHITECT'S RESPONSIBILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE BUILDING AS SHOWN ON THESE DRAWINGS. THE ARCHITECT DOES NOT PROVIDE CONTRACT ADMINISTRATION SERVICES. THE ARCHITECT'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE BUILDING AS SHOWN ON THESE DRAWINGS. THE ARCHITECT DOES NOT PROVIDE CONTRACT ADMINISTRATION SERVICES. THE ARCHITECT'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE BUILDING AS SHOWN ON THESE DRAWINGS. THE ARCHITECT DOES NOT PROVIDE CONTRACT ADMINISTRATION SERVICES.

STAMP

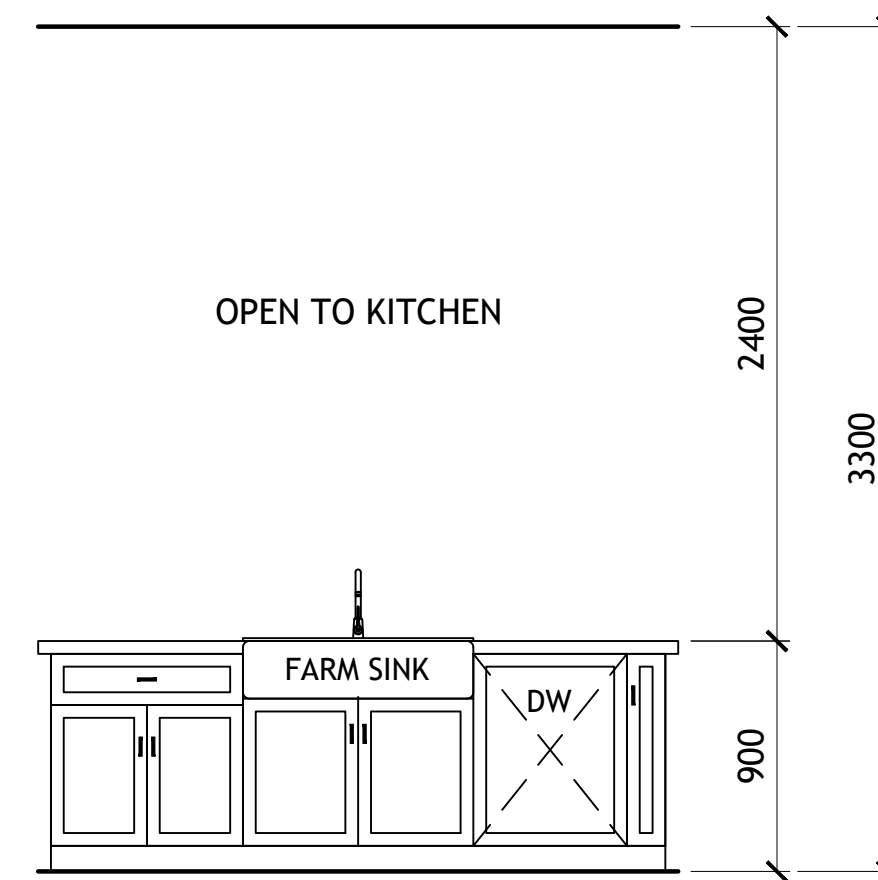
DRAWINGS PROVIDED BY:
Hi-Ten BUILDERS



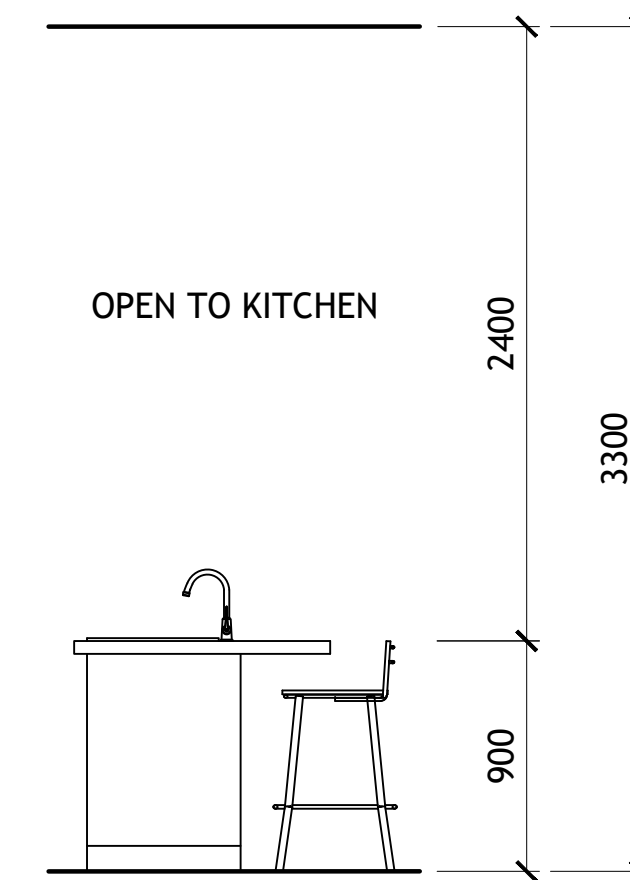
1A KITCHEN ELEVATION
SCALE: 1:30



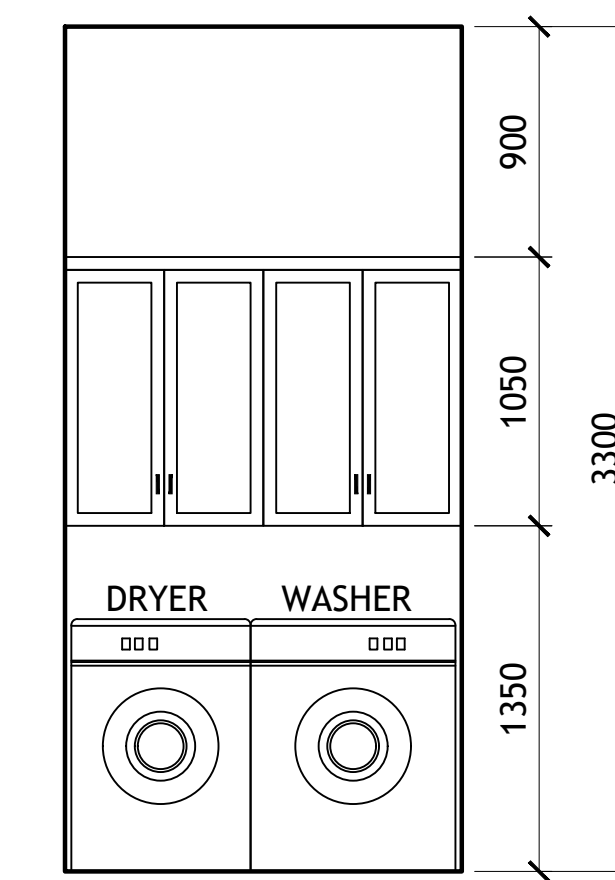
1B KITCHEN ISLAND ELEVATION
SCALE: 1:30



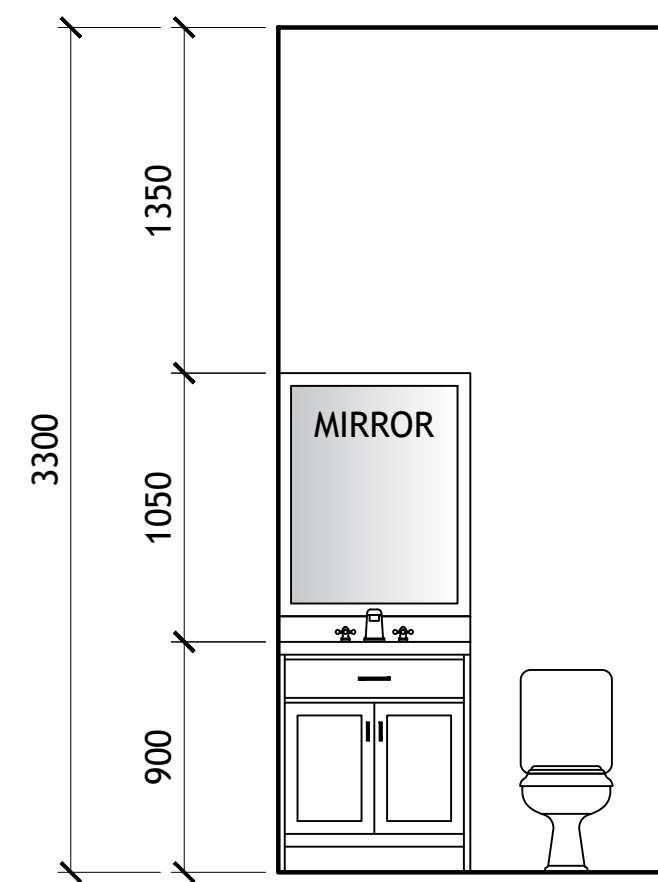
2B KITCHEN ISLAND ELEVATION
SCALE: 1:30



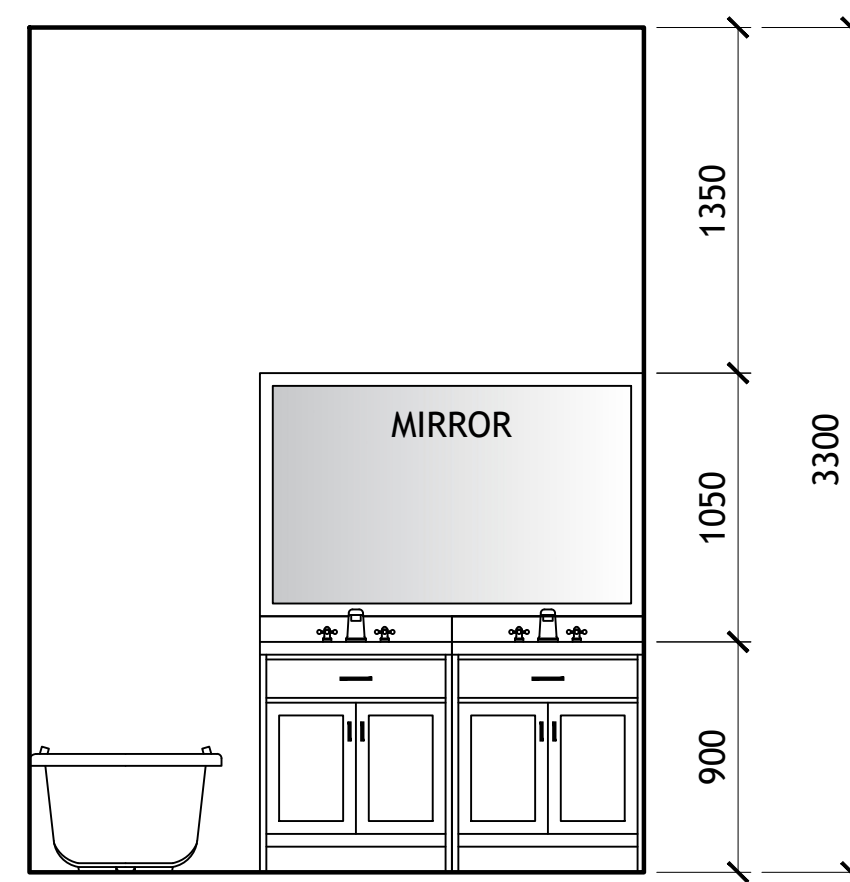
3B KITCHEN ISLAND ELEVATION
SCALE: 1:30



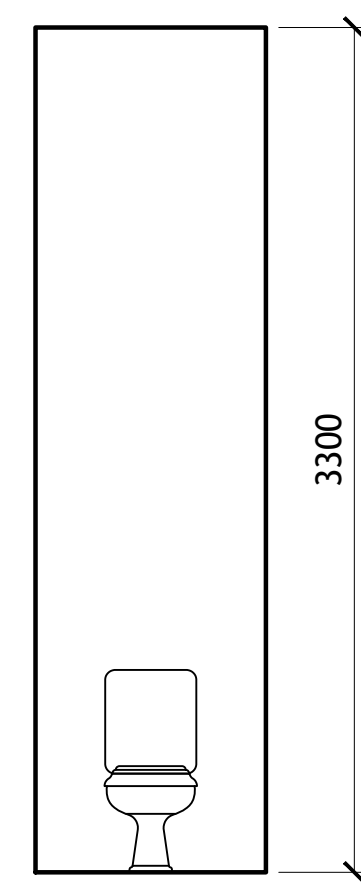
1C LAUNDRY ELEVATION
SCALE: 1:30



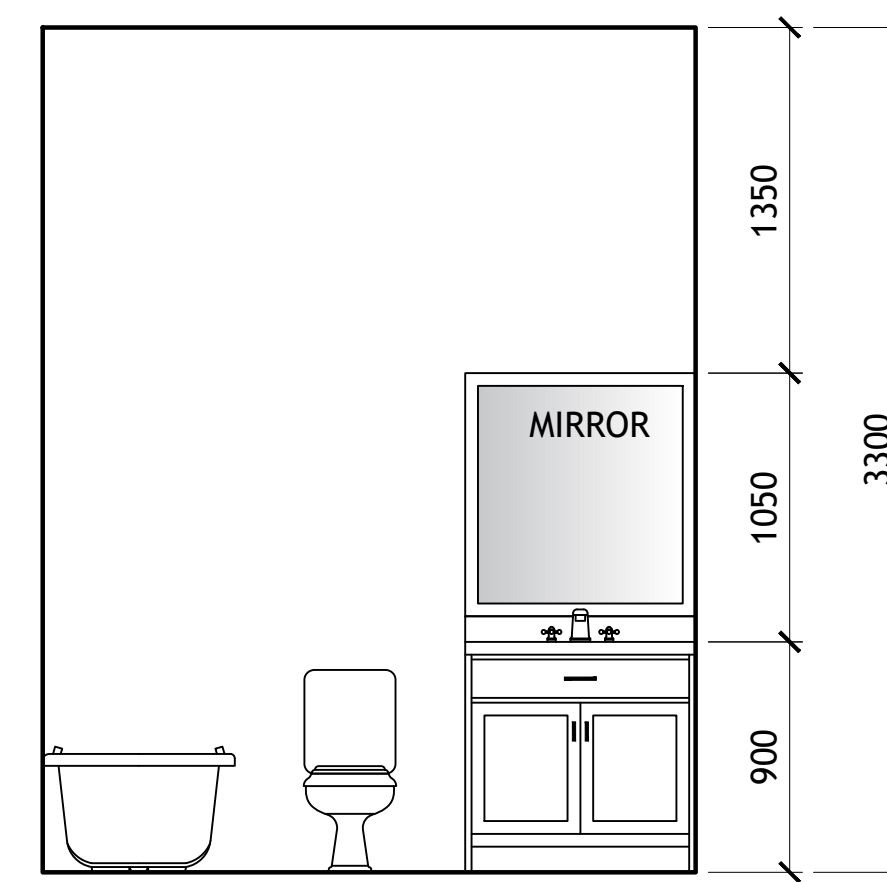
1D POWDER ELEVATION
SCALE: 1:30



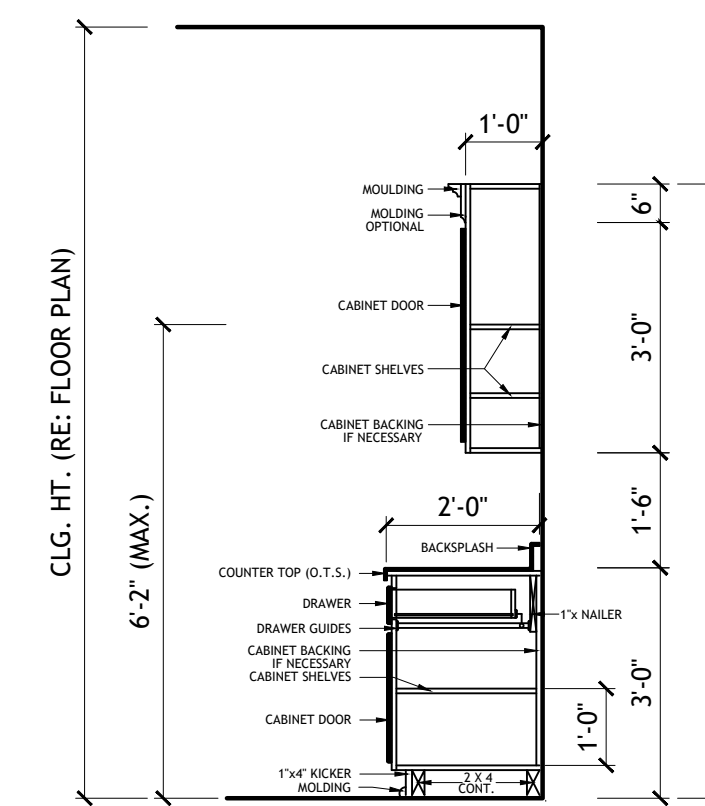
1E MASTER BATHROOM ELEVATION
SCALE: 1:30



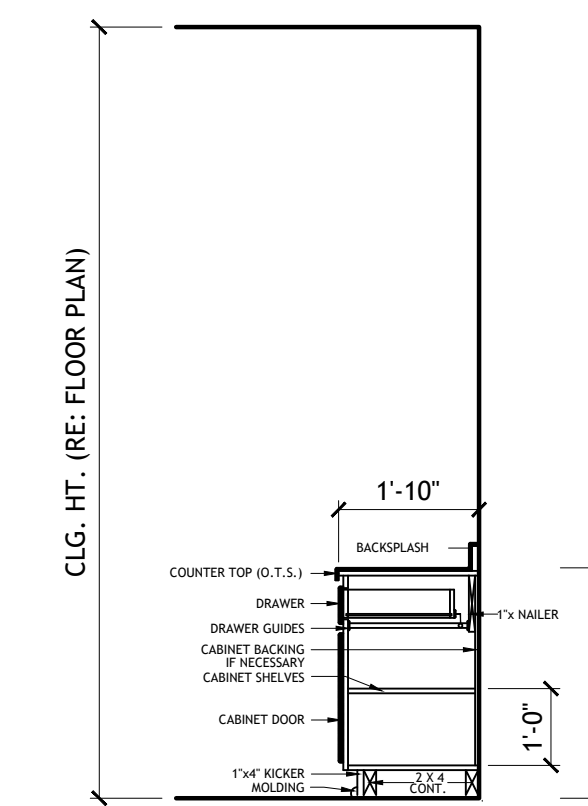
1F W.C. ELEVATION
SCALE: 1:30



1G BATHROOM ELEVATION
SCALE: 1:30



A KITCHEN SECTION
SCALE: N.T.S.

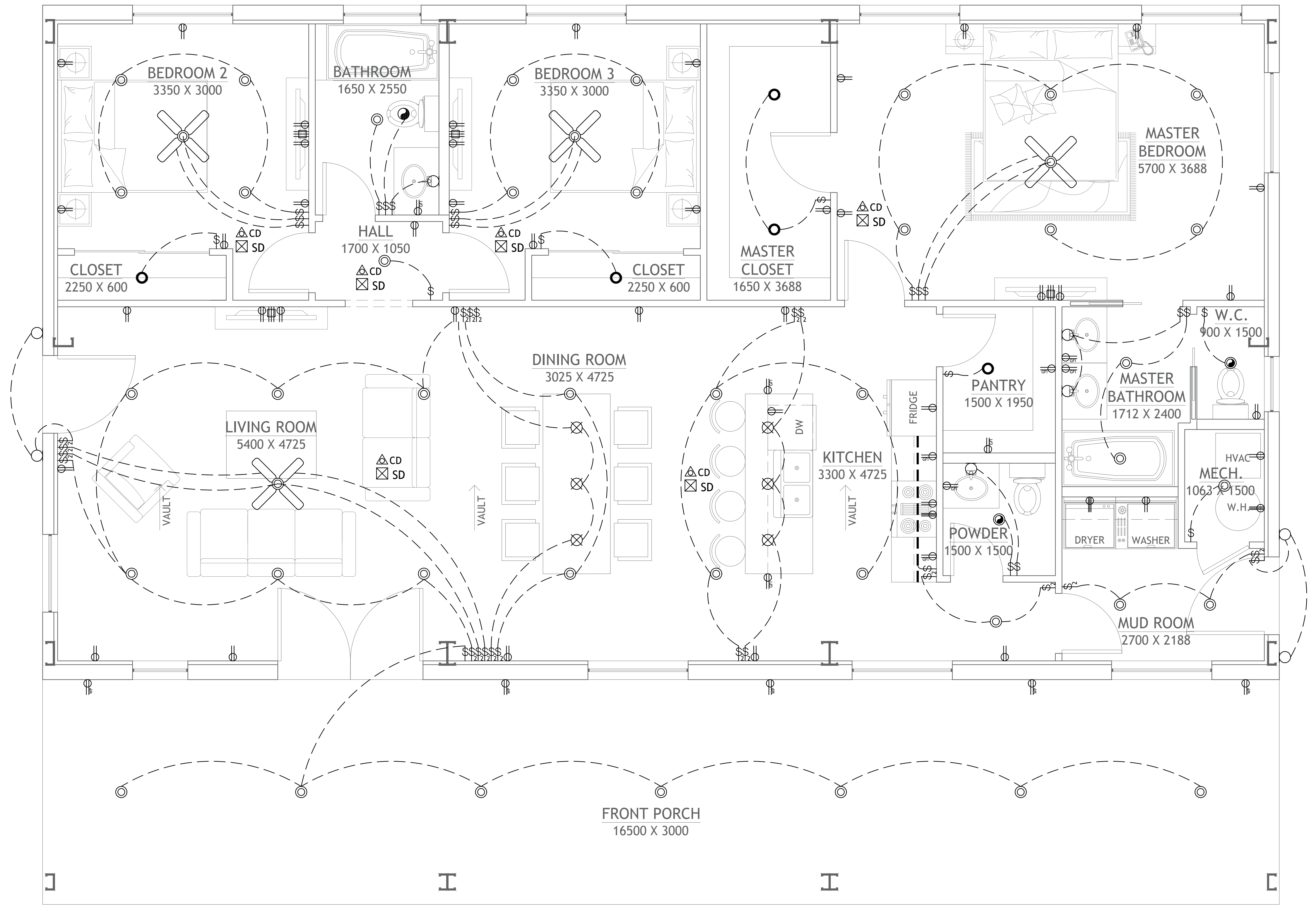
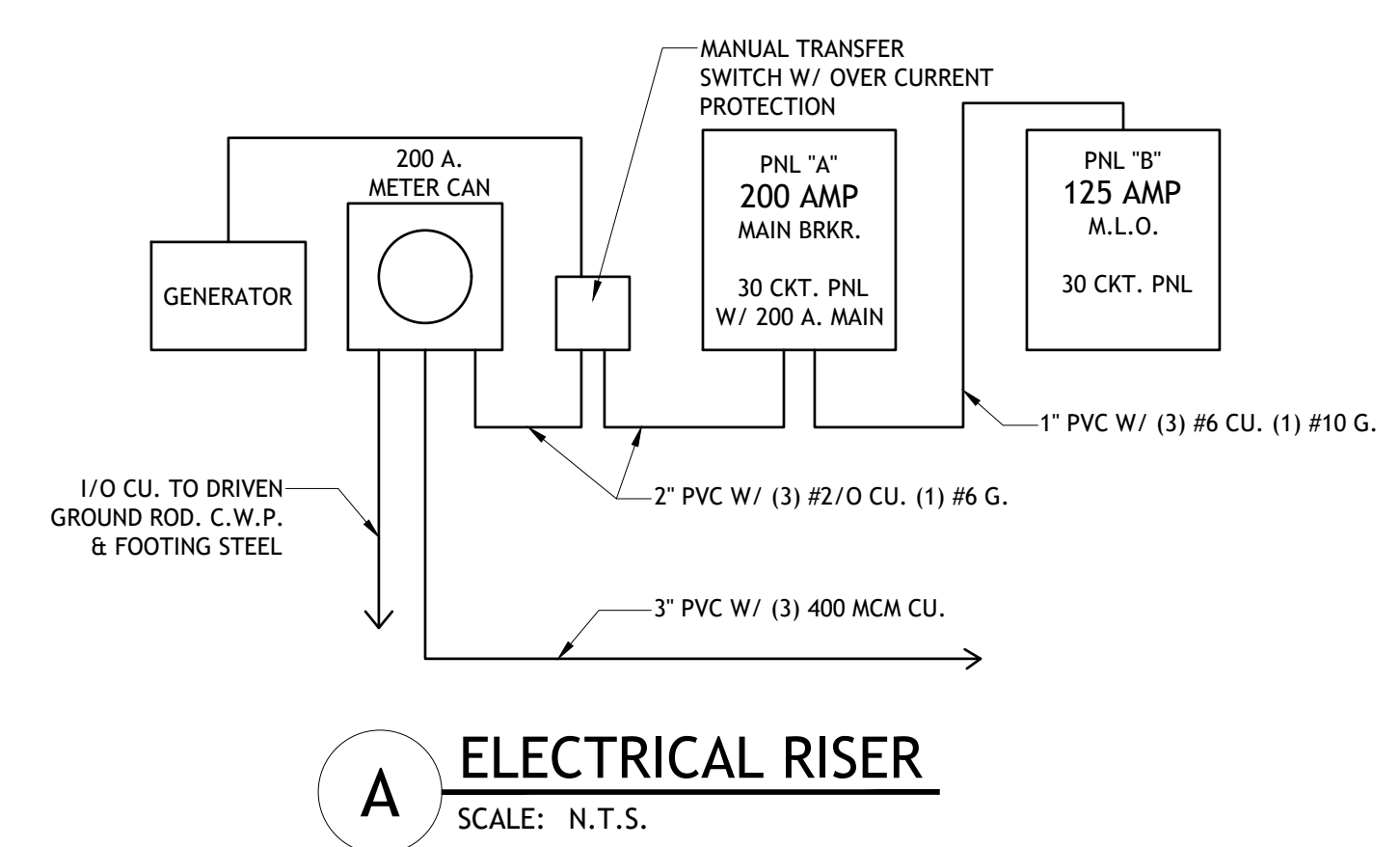


B BATHROOM SECTION
SCALE: N.T.S.

- ELECTRICAL 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.
 - CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO ENSURE INSTALLATION IS MADE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
 - 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 MODIFICATIONS AS NEEDED.
 - ALL LIGHTING CHOICES TO BE OWNER'S CHOICE, BUT TO NOT SURPASS DESIGN STANDARDS.
 - ALL WORK SHALL COMPLY WITH ALL CODES APPLICABLE AT SITE.
 - 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 ALARM DEVICES SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE UNIT. SMOKE ALARMS SHALL BE HARD WIRED WITH A BATTERY BACK UP.
 - 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.
 - 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	⊕
120 VOLT W/ GROUND FAULT INTERRUPTOR	⊕
240 VOLT RECEPTACLE	⊕
WATERPROOF RECEPTACLE	⊕
PHONE/CABLE (CAT5)	⊕
TELEVISION ANTENNA	⊕
SINGLE POLE SWITCH	⊕
2 WAY SWITCH	⊕
CEILING MOUNTED HANGING LIGHT	⊕
RECESSED CAN LIGHT	⊕
FLUSH MOUNTED LIGHT	⊕
WALL MOUNTED LIGHT	⊕
EXHAUST FAN	⊕
EXHAUST FAN/ RECESS CAN COMBO	⊕
SMOKE DETECTOR	⊕ SD
CARBON MONOXIDE DETECTOR	⊕ CD
STAIRCASE LIGHT	⊕
GARAGE LIGHT	⊕
UNDER CABINET LIGHT	⊕
CCTV CAMERA	⊕ CAM
CEILING FAN WITH LIGHT	⊕

NOTE:
NOT ALL SYMBOLS ARE USED.



1 ELECTRICAL PLAN
SCALE: 1:30

PLUMBING 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.
- SUGGESTED SLOPE FOR EXTERIOR WASTE LINE @ 1/8"-1'-0".
- ALL YARD CLEANOUTS TO BE CONTRACTOR CHOICE. ALL FIXTURES WILL BE OWNER CHOICE. CALCULATIONS AND CHOICES BASED ON INDUSTRY STANDARDS.
- WASHING MACHINE AND DISHWASHER TO BE CUSTOMER'S CHOICE.
- WATER HEATER TO BE CUSTOMER'S CHOICE.

PLUMBING LEGEND

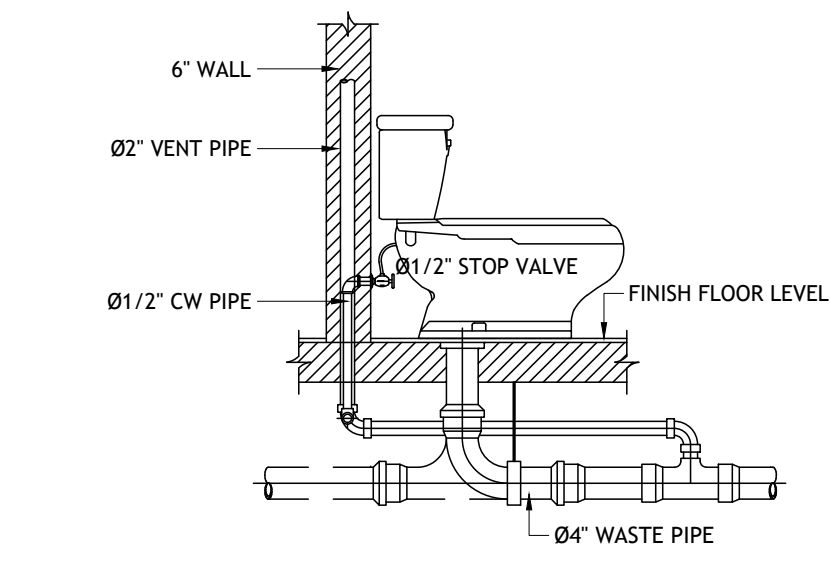
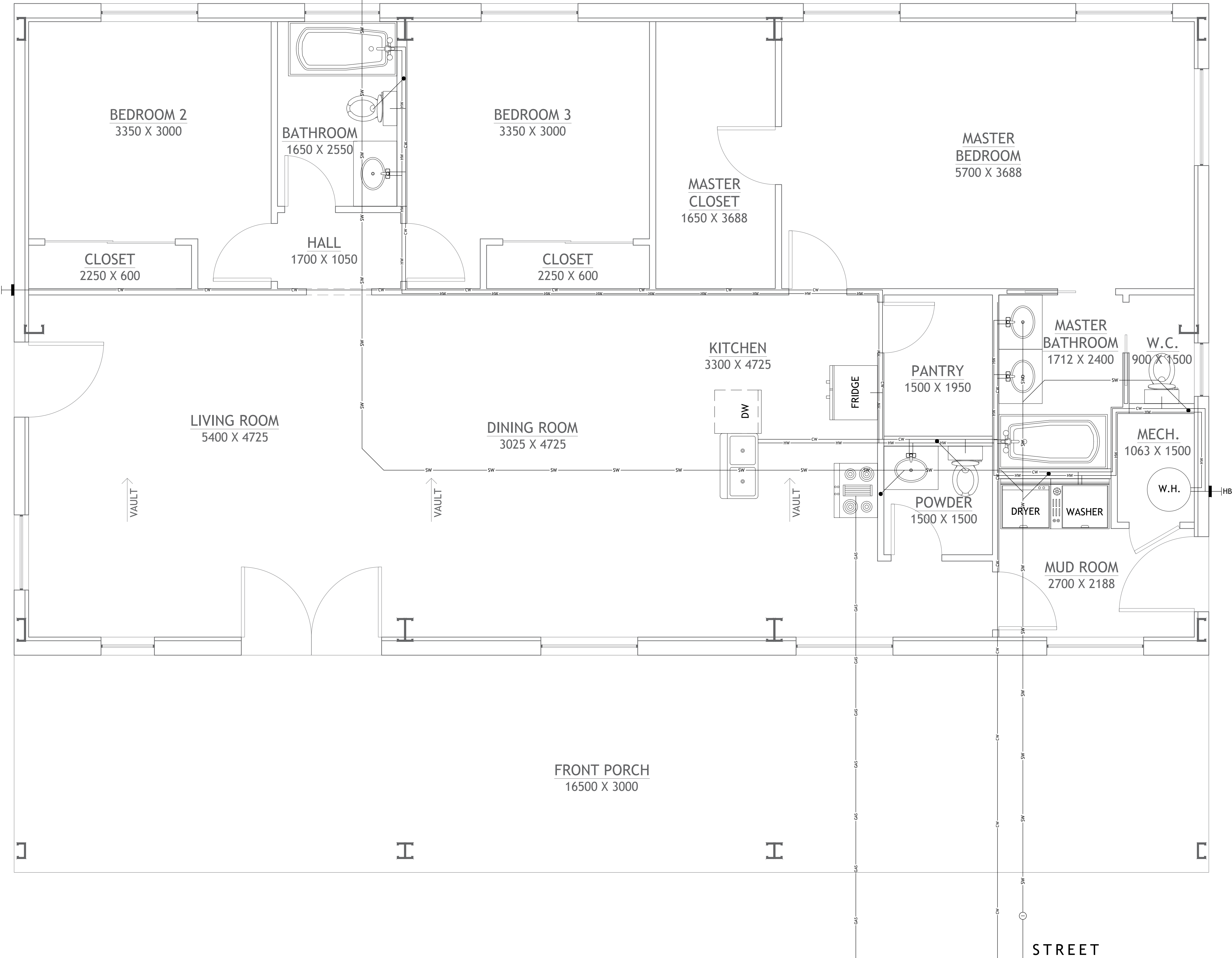
COLD WATER — CW —
HOT WATER — HW —
SEWER LINE — SW —
GAS LINE — GAS —
VENT PIPE — V —
HOSE BIBB — HB —
CLEAN OUT — CO —

FIXTURE CONNECTIONS

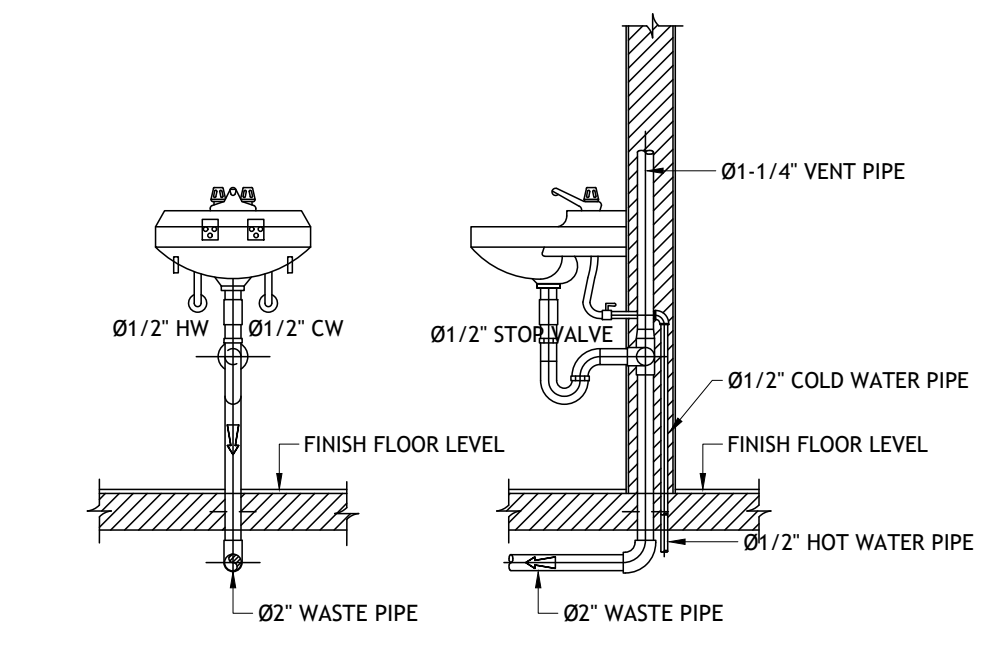
FIXTURE	PIPE DIAMETER			
	SEWER	VENT	COLD WATER	HOT WATER
HAND SINK	2"	2"	1/2"	1/2"
WATER CLOSET	4"	2"	3/4"	N/A
FLOOR DRAIN	3"	2"	N/A	N/A
WATER HEATER	N/A	N/A	3/4"	3/4"
WASHER/DRYER	2"	N/A	3/4"	3/4"
HOSE	N/A	N/A	1/2"	1/2"
SINK	2"	2"	1/2"	1/2"

NOTE:

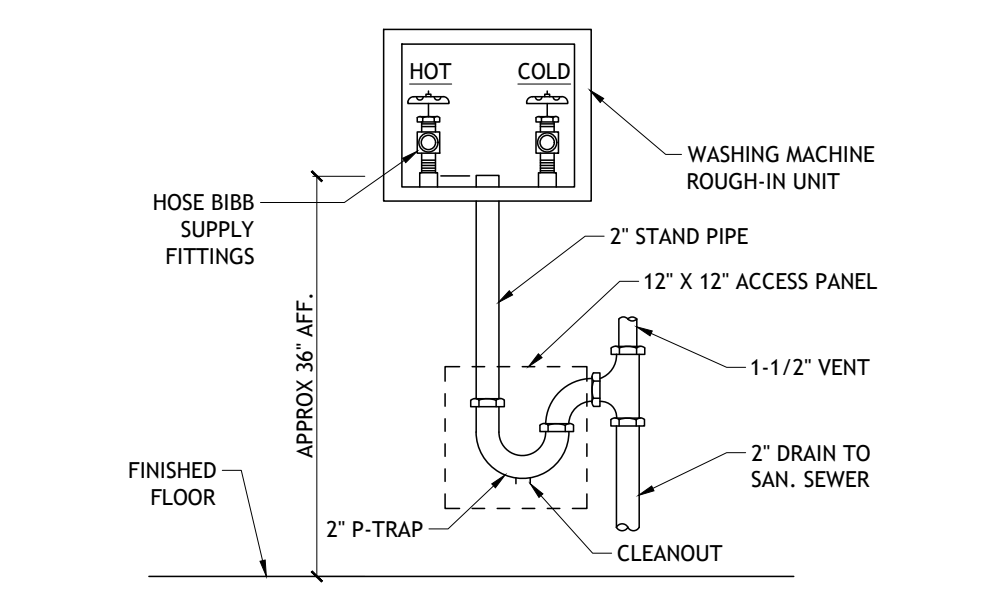
- SIZES SHOWN ARE MINIMUM UNIFORM PLUMBING CODE REQUIREMENTS FOR TRAPS, TRAP ARM & ROUGH-IN CONNECTION.
- IF CAST IRON NO-HUB PIPE IS USED, WASTE AND VENT PIPE SHALL BE 2" MINIMUM.
- ALL FIXTURES TO HAVE VENTILATION PIPE TO CEILING EVEN IF NOT SHOWN ON PLANS.



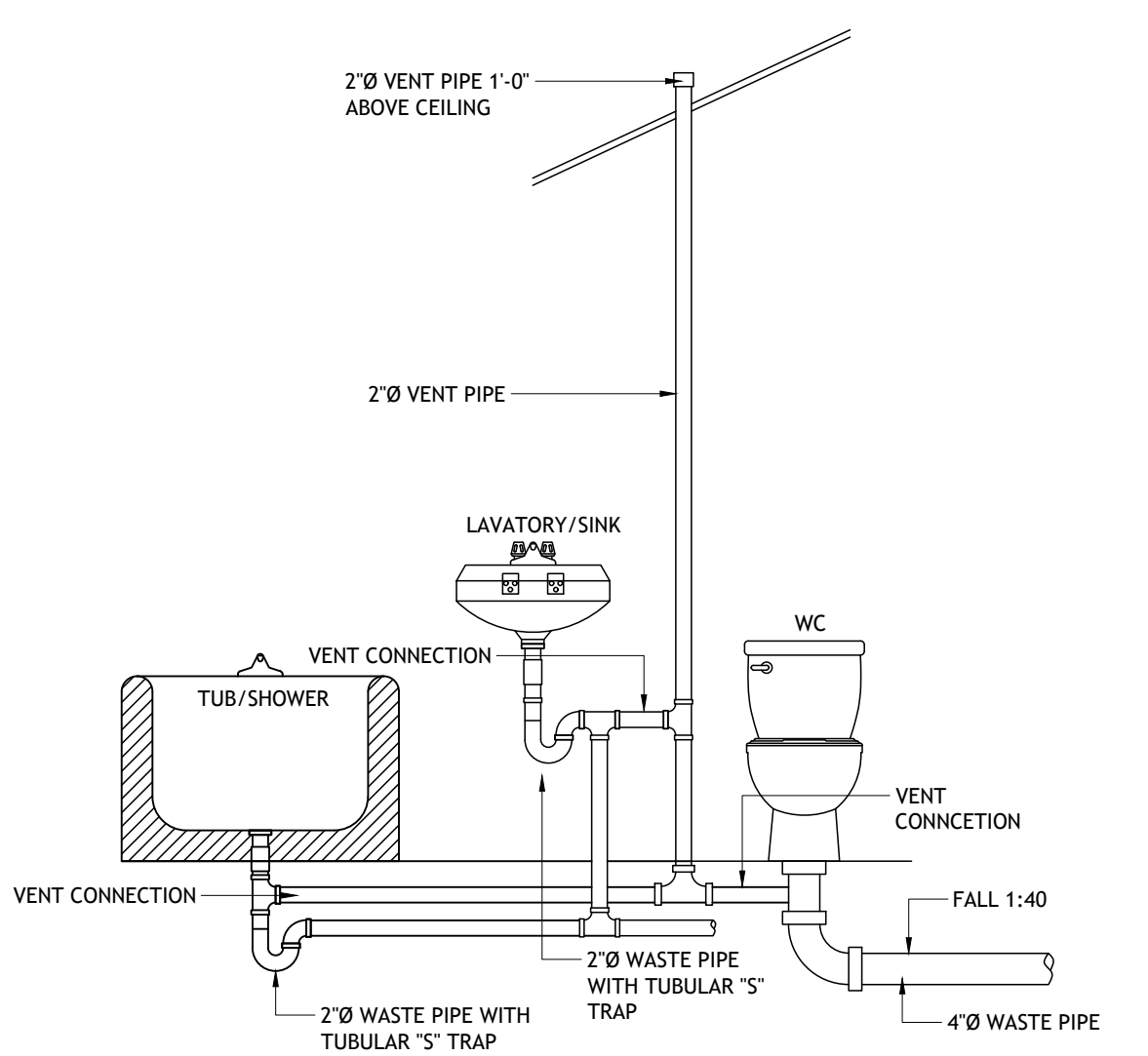
A WATER CLOSET DETAIL
SCALE: N.T.S.



B HAND SINK DETAIL
SCALE: N.T.S.



C LAUNDRY HOOKUP
SCALE: N.T.S.



D PLUMBING RAISER DETAIL
SCALE: N.T.S.

STREET

STREET

1 PLUMBING PLAN
SCALE: 1:30

SHEET NO.

P1

DWG NO.: SAN1561.4
REVISION:

SCALE: 1:30 @ 24" X 36"
DATE: MAY 01, 24

CLIENT NAME:
PROJECT ADDRESS:

DRAWING TITLE:
PLUMBING PLAN

ALTHOUGH GREAT EFFORT AND CARE HAVE GONE INTO THE PREPARATION OF THIS HOME PLUMBING PLAN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL LOCAL BUILDING CODES, PERMITS, AND REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS AND REPORTING ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

STAMP

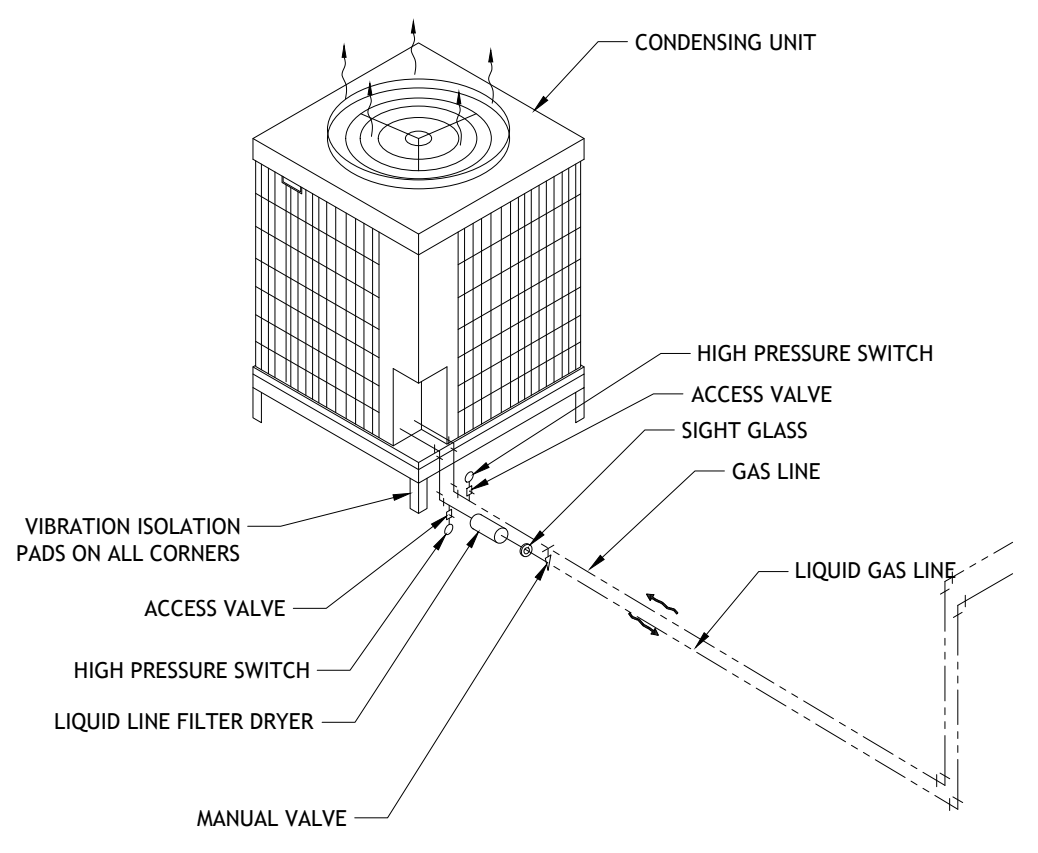
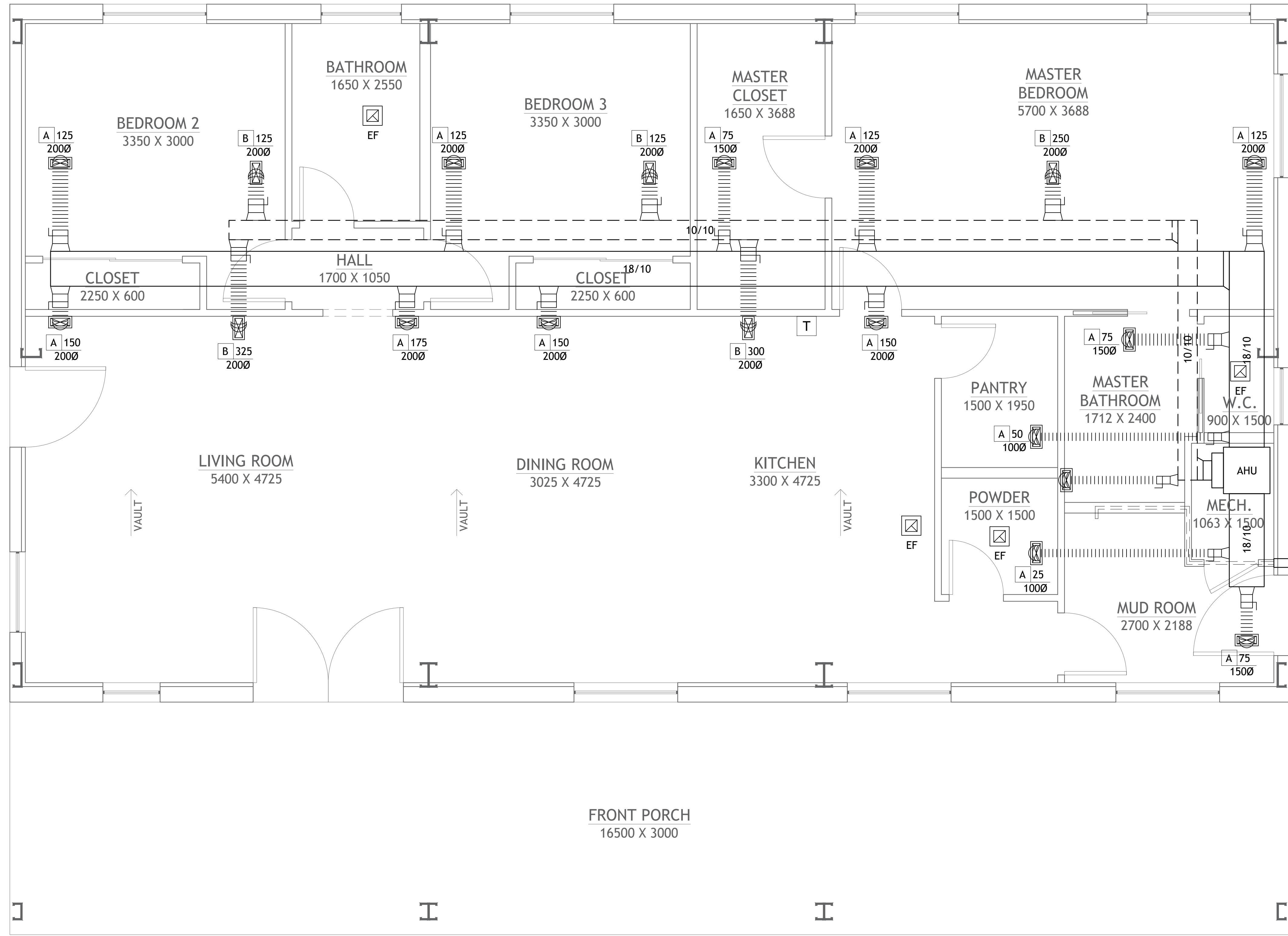
DRAWINGS PROVIDED BY:
Hi-Ten
BUILDINGS

- 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.
 - 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 PROVIDE ALL NECESSARY TRANSITIONS FROM MECHANICAL EQUIPMENT TO DUCTS.
 - MECHANICAL CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO MAINTAIN ACCESS CLEARANCES FOR ALL MECHANICAL EQUIPMENT.
 - 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).
 - CONTRACTOR SHALL PROVIDE ACCESS PANELS FOR ALL MECHANICAL EQUIPMENT LOCATED ABOVE INACCESSIBLE CEILINGS.
 - ALL EXHAUST AND OUTSIDE AIR DUCTS SHALL BE INSULATED TO PREVENT CONDENSATION AS PER FBC ENERGY C403.2.7.1.3.
 - 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.
 - 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.
 - CONTRACTOR SHALL COORDINATE ALL ROOF PENETRATIONS AND ROOFING WORK WITH ROOFING CONTRACTOR AS REQUIRED TO MAINTAIN ROOF WARRANTY.
 - PROVIDE VOLUME DAMPERS ON ALL DIFFUSERS (VISIBLE ON PLAN OR NOT).
 - REDUCE DUCT 2" MAX. WHERE JOIST CAUSE CONFLICT.
 - BUILDING HVAC CALCULATIONS ARE TO BE PROVIDED BY THE MECHANICAL CONTRACTOR.

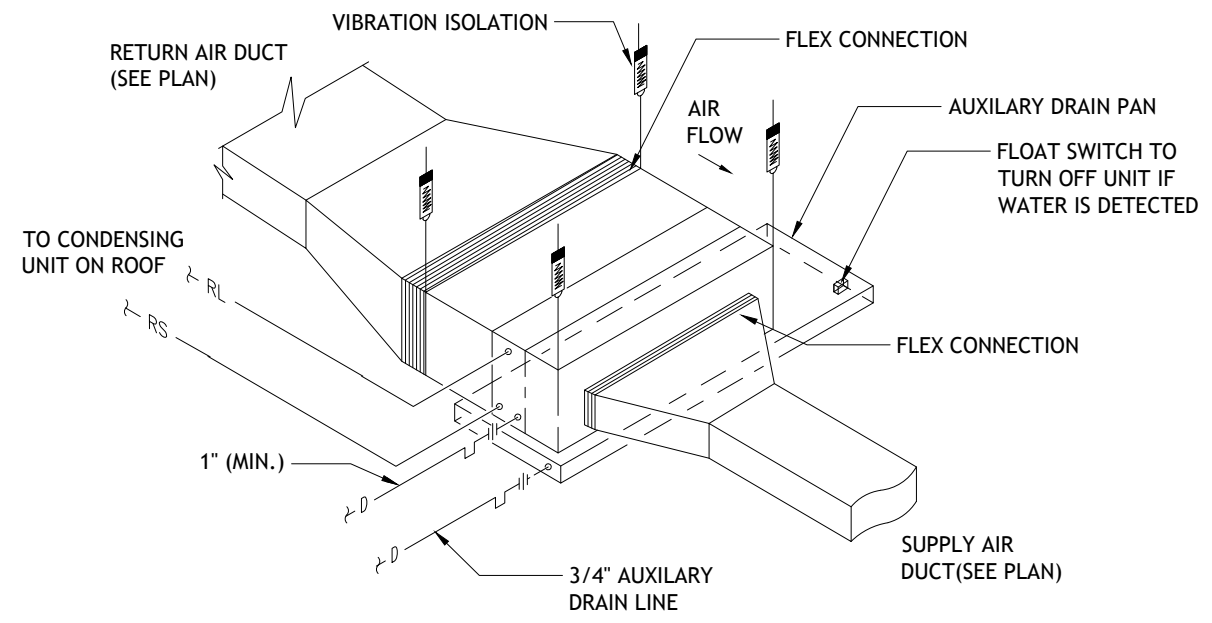
DUCTWORK	
DIAMETER	AIR FLOW CFM
4	20
5	50
6	80
7	120
8	170
9	230
10	300
12	500
14	740
16	1050
18	1400
20	1875

- HVAC LEGEND**
- SUPPLY DUCT (WIDTH/ HEIGHT)
 - RETURN DUCT (WIDTH/ HEIGHT)
 - DUCT W/ SUPPLY DIFFUSER
 - DUCT W/ RETURN DIFFUSER OR GRILLE
 - EXHAUST FAN
 - AIR DEVICE DESIGNATOR CFM VALUE W/ NECK SIZE
 - DRYER VENT
 - DRYER DUCT
 - THERMOSTAT

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.



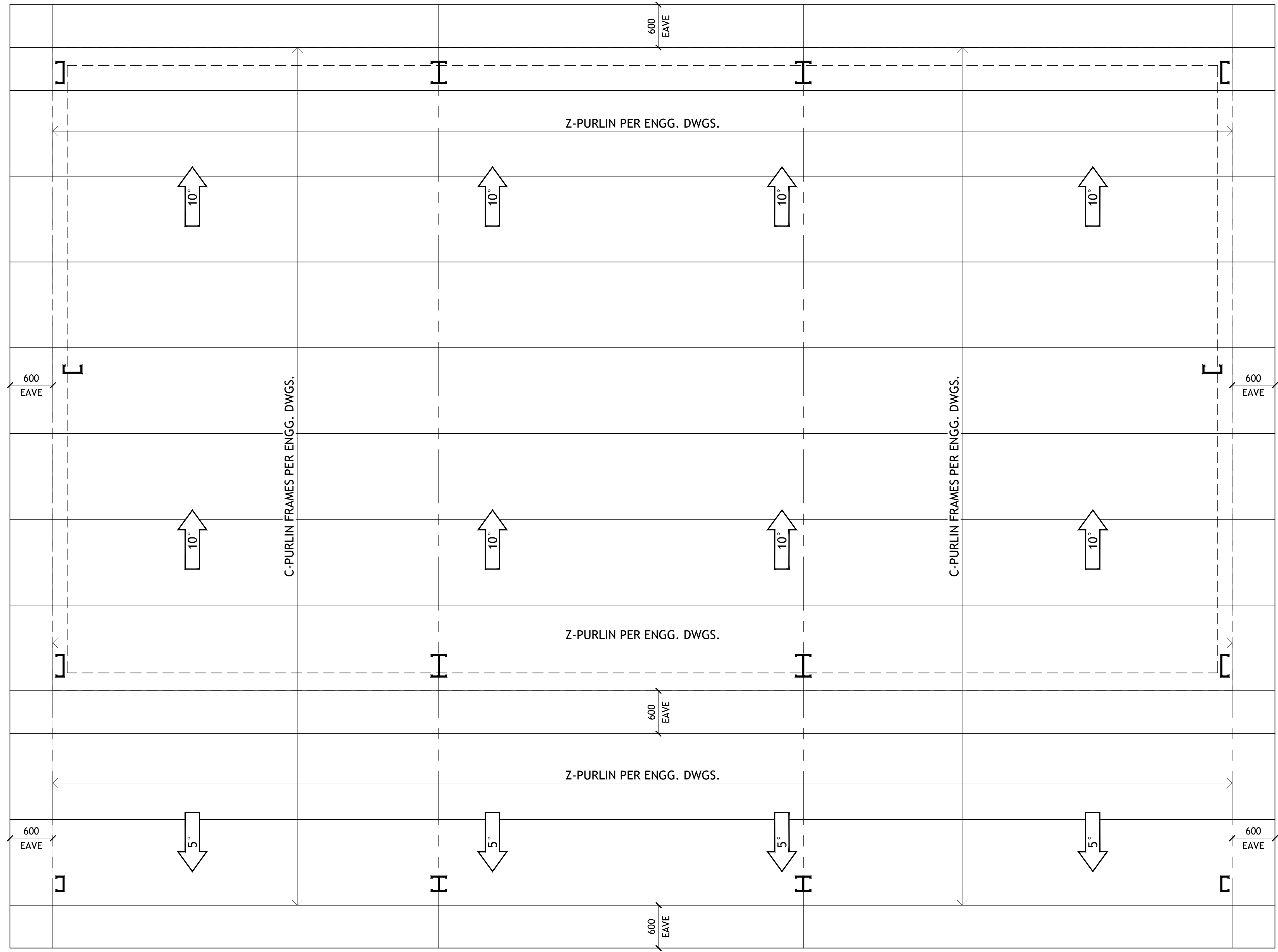
B CONDENSING UNIT INSTALLATION
SCALE: N.T.S.



A HORIZONTAL AIR HANDLING UNIT WITH DUCTED DISCHARGE AND RETURN
SCALE: N.T.S.

1 HVAC PLAN
SCALE: 1:30

- ROOF NOTES:
1. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES.
 2. ALL RIDGE BEAMS, HIP RAFTERS, & VALLEY RAFTERS TO BE 2" X 10", NO.2 S.Y.P., UNLESS MENTIONED OTHERWISE OR AS REQD BY ENGINEER.
 3. CONTRACTOR TO WATERPROOF ALL ROOF INTERSECTIONS AS PER CODE.
 4. CONTRACTOR TO VERIFY ALL ROOF PITCHES WITH EXTERIOR ELEVATIONS PRIOR TO CONSTRUCTION.
 5. CONTRACTOR TO PROVIDE ADEQUATE ROOF VENTILATION AS PER CODE.



1 ROOF FRAMING PLAN
SCALE: 1:30

SHEET NO. **S1**

DWG NO.: SAN1561.4
REVISION:

SCALE: 1:30 @ 24" X 36"
DATE: MAY 01, 24

CLIENT NAME: ...
PROJECT ADDRESS: ...

DRAWING TITLE: ROOF FRAMING PLAN

ALTHOUGH GREAT EFFORT AND CARE HAVE GONE INTO THE PREPARATION OF THIS DRAWING, THE ENGINEER ASSUMES NO LIABILITY FOR ERRORS OR OMISSIONS. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS ON THE JOB. THE ENGINEER'S RESPONSIBILITY IS LIMITED TO THE DESIGN AND CALCULATIONS SHOWN ON THIS DRAWING. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING OFFICIALS BEFORE THE START OF CONSTRUCTION. ADDITIONAL ENGINEERING AND DESIGN MAY BE REQUIRED TO COMPLY WITH LOCAL BUILDING CODES.

STAMP

DRAWINGS PROVIDED BY: **Hi-Ten** BUILDINGS

FOUNDATION NOTES:

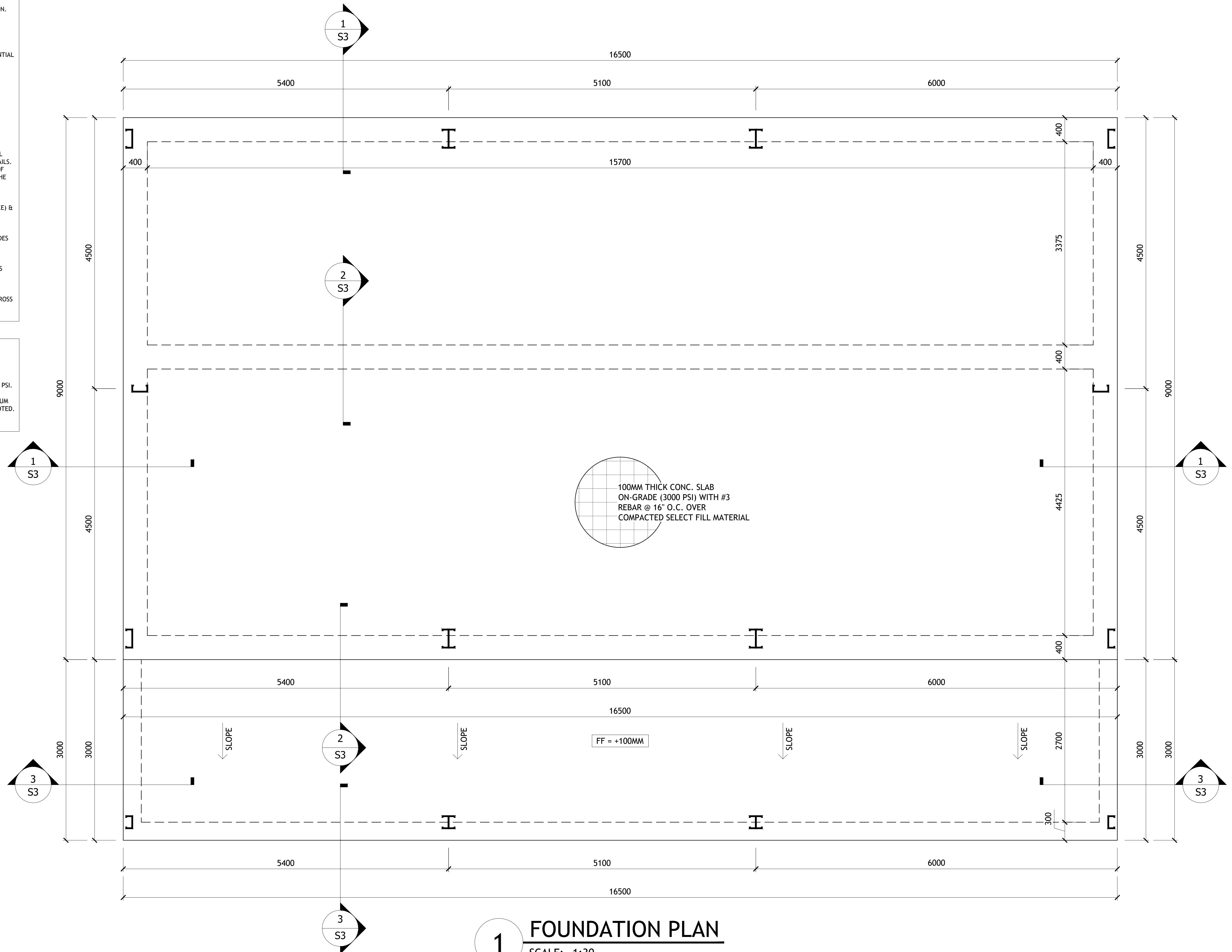
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXACT LOCATION OF ALL UTILITY SERVICES AND SLOPE PRIOR TO BID/INSTALLATION.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING WORK AND REPORT ANY AND ALL DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THESE PLANS TO THE 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.
- 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.
- ALL DIMENSIONS SHALL BE VERIFY IN FIELD PRIOR TO COMMENCING ANY DEMOLITION.
- FOR FOUNDATION/SOIL/DRAINAGE SPECIFICATION REFER TO SOIL GEO-TECHNICAL REPORT.
- 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, SUB-GRADE 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.
- SURFACE OUTSIDE THE HOUSE NEEDS TO HAVE 5% SLOPE (UNPAVED SURFACE) & 2% SLOPE (PAVED SURFACE) AWAY FROM THE STRUCTURE.
- ALL FOOTING SIZES AND LOCATIONS TO BE VERIFIED BY A LICENSED STRUCTURAL ENGINEER.
- CONTRACTOR TO ADAPT PLANS AS REQUIRED TO MEET ALL APPLICABLE CODES AT SITE.
- CONTRACTOR TO PROVIDE WATERPROOFING AS REQUIRED TO MEET ALL APPLICABLE CODES AND TYPICAL BUILDING PRACTICES.
- CONCRETE SLABS TO BE 4" (3000 PSI MIN.), REINFORCED AS PER CODE OR AS DETERMINED BY LICENSED ENGINEER.
- CONTRACTOR TO PROVIDE ADEQUATE DRAINAGE BASED ON EXISTING SITE CONDITIONS. VERIFY W/LOCAL CODES.
- REFER TO FLOOR JOIST MANUFACTURER FOR JOIST SIZING AND SPACING, CROSS BRACING REQUIREMENTS, AND BEAM SIZES.
- PROVIDE JOISTS UNDER ALL WALLS RUNNING PARALLEL.

SPECIFICATION NOTES

- REINFORCED CONCRETE SHALL CONFORM TO APPLICABLE REQUIREMENTS OF THE 2012 I.R.C. AND ALL LOCAL CITY OR COUNTY GUIDELINES.
- 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 4 INCHES.
- PROVIDE CONTROL JOINTS IN ALL EXPOSED SLABS ON GRADE. THE MAXIMUM SPACING OF CONTROL JOINTS SHALL BE 20' O.C., UNLESS OTHERWISE NOTED.
- 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 PLAN
SCALE: 1:30

SHEET NO.
S2

DWG NO.: SAN1561.4
REVISION:

SCALE: 1:30 @ 24" X 36"
DATE: MAY 01, 24

CLIENT NAME:
PROJECT ADDRESS:

DRAWING TITLE:
FOUNDATION PLAN

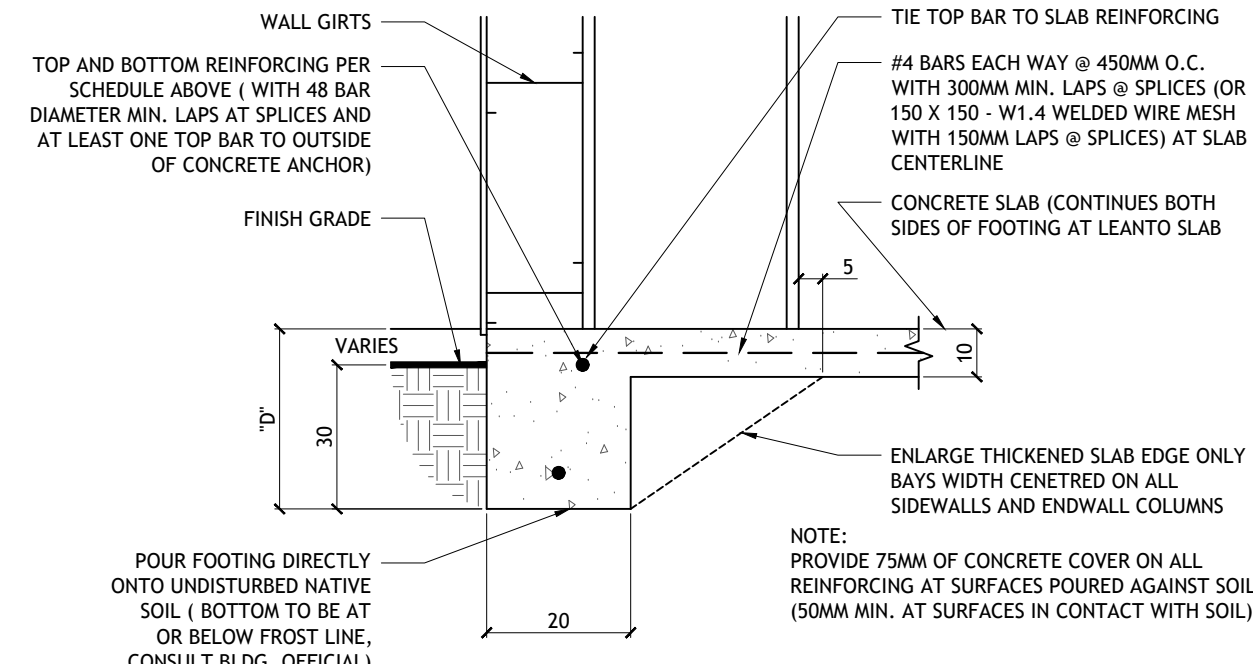
ALTHOUGH GREAT EFFORT AND CARE HAVE GONE INTO THE PREPARATION OF THIS DRAWING, THE ENGINEER ASSUMES NO LIABILITY FOR ERRORS OR OMISSIONS. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS IN THE FIELD. THE ENGINEER'S RESPONSIBILITY IS LIMITED TO THE DESIGN AND CALCULATIONS SHOWN ON THIS DRAWING. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT AND OTHER LOCAL AGENCIES. THE USER SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS IN THE FIELD. THE ENGINEER'S RESPONSIBILITY IS LIMITED TO THE DESIGN AND CALCULATIONS SHOWN ON THIS DRAWING. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT AND OTHER LOCAL AGENCIES.

STAMP

DRAWINGS PROVIDED BY:
Hi-Ten BUILDERS

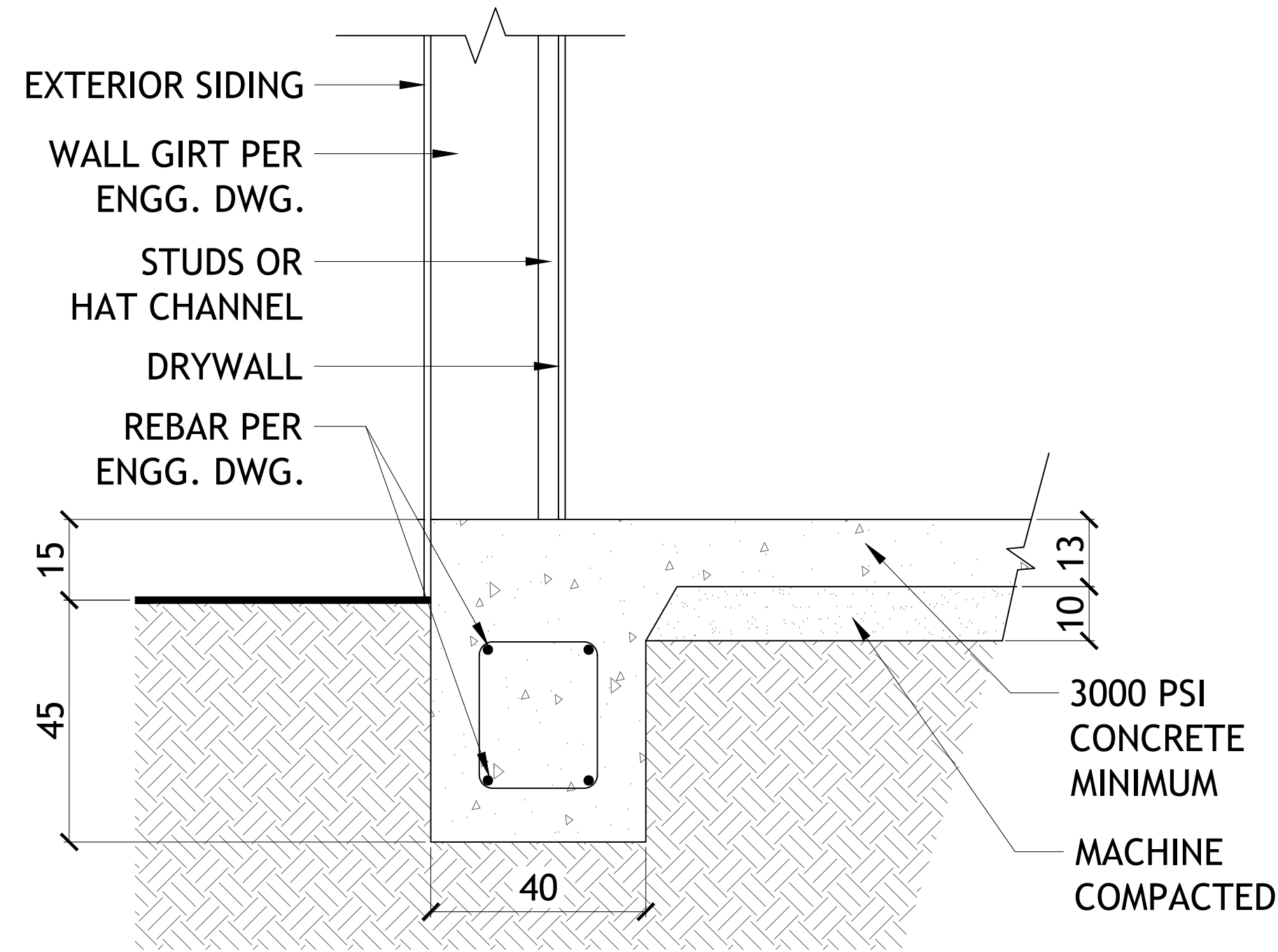
LOCATIONS	"B"	"D"	TOP REINF.	BOTTOM REINF.
MAIN BUILDING SIDEWALLS	300	400	(2) - #4	(1) - #4
LEANTO "A" SIDEWALLS	300	300	(1) - #4	(1) - #4
MAIN BUILDING ENDWALLS	400	450	(1) - #4	(1) - #4
LEANTO ENDWALLS	300	300	(1) - #4	(1) - #4

*NOTE: SINGLE REINFORCING BAR SHOWN IN DETAIL REPRESENTS TOTAL REINFORCING STEEL REQUIRED.
SPACE MULTIPLE BARS @ 100MM O.C. MIN.
INSTALL SINGLE TOP REINFORCING BAR (OR FIRST OF MULTIPLE BARS SPECIFIED) AT A DISTANCE FROM EDGE OF SLAB EQUAL TO DEPTH OF WALL GIRTS.

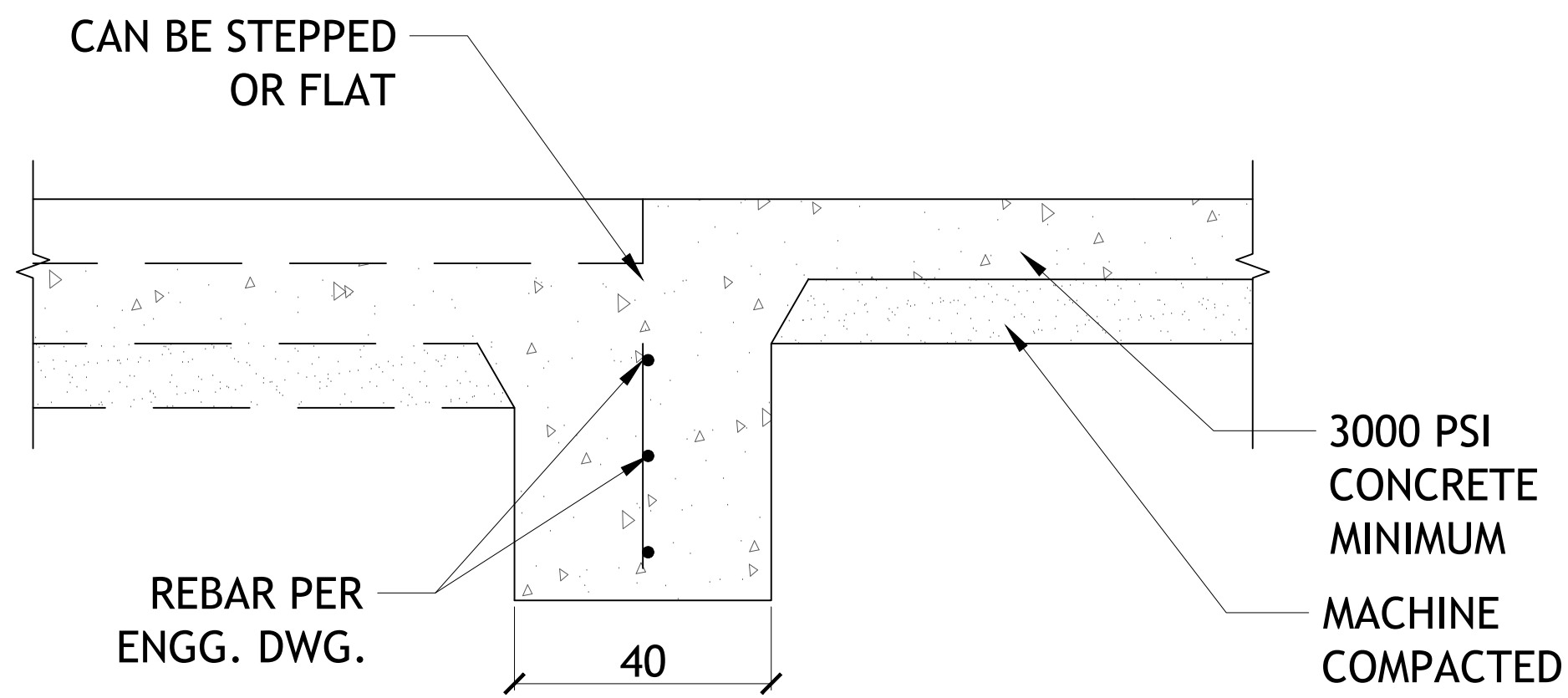


NOTE: PROVIDE 75MM OF CONCRETE COVER ON ALL REINFORCING AT SURFACES POURED AGAINST SOIL (50MM MIN. AT SURFACES IN CONTACT WITH SOIL).
NOTE: 1. SLAB REINFORCING SHOWN ABOVE IS SPECIFIED AS A METHOD OF CONTROLLING SHRINKAGE CRACKING AT THE SLAB SURFACE. CUSTOMER MAY CHOOSE ANOTHER METHOD OR REMOVE SLAB 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.

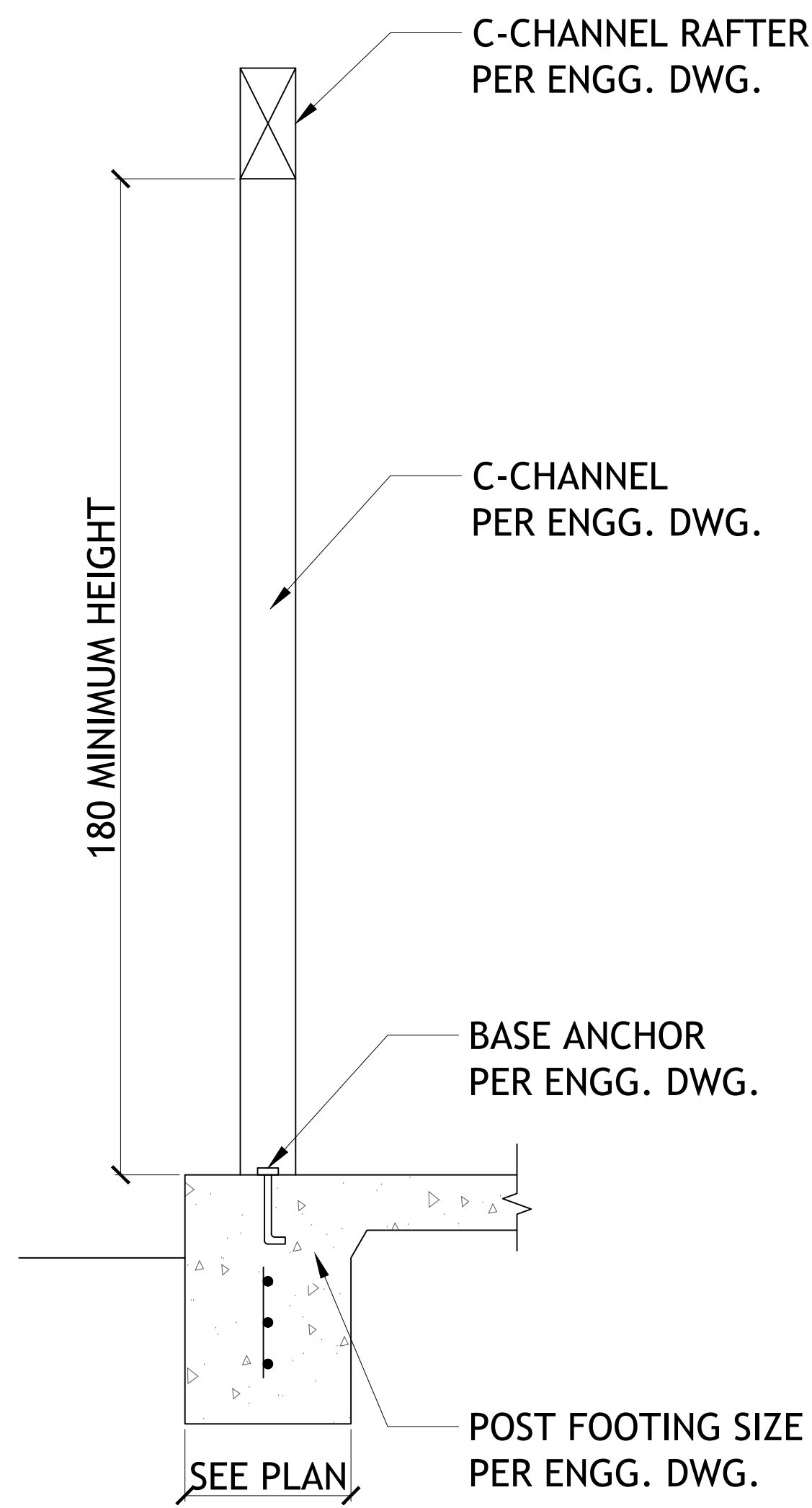
5 EDGE OF SLAB DETAIL
SCALE: N.T.S.



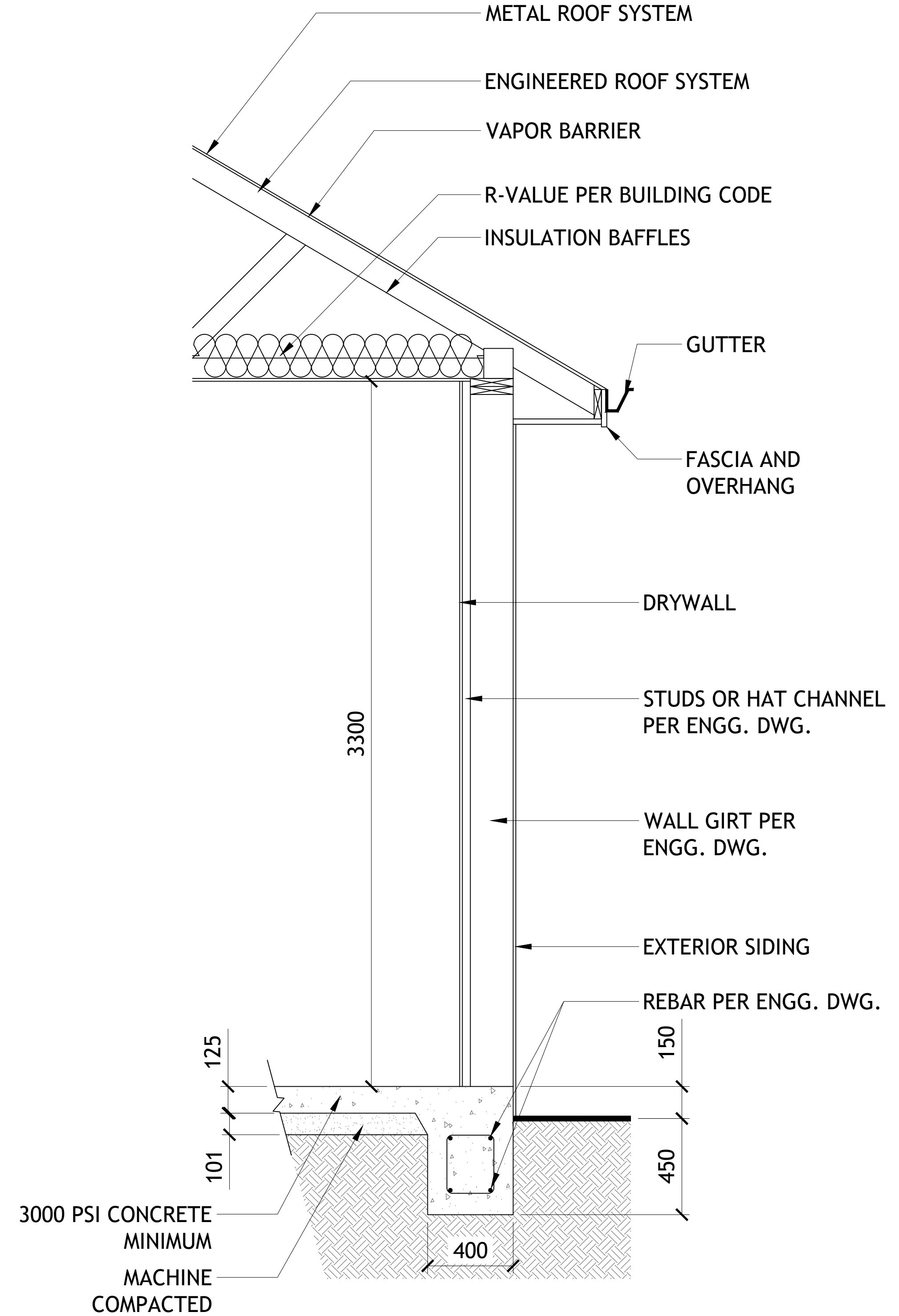
1 FOUNDATION DETAIL
SCALE: 1:10



2 INTERIOR BEARING FOOTING
SCALE: 1:10



3 C-TYPICAL COLUMN DETAIL
SCALE: 1:10



4 WALL SECTION
SCALE: 1:16

SHEET NO. **S3**

DWG NO.: SAN1561.4
REVISION:

SCALE: AS NOTED @ 24" X 36"
DATE: MAY 01, 24

CLIENT NAME: ...
PROJECT ADDRESS: ...

DRAWING TITLE: FOUNDATION DETAIL, INTERIOR BEARING FOOTING, C-TYPICAL COLUMN DETAIL, WALL SECTION, EDGE OF SLAB DETAIL

ALTHOUGH GREAT EFFORT AND CARE HAVE GONE INTO THE PREPARATION OF THIS DRAWING, THE ARCHITECT ASSUMES NO LIABILITY FOR ERRORS OR OMISSIONS, OR FOR CONSEQUENCES OF ANY NATURE, INCLUDING STRUCTURAL FAILURES, ARISING FROM THE USE OF THIS DRAWING. THE ARCHITECT'S RESPONSIBILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE BUILDING AS SHOWN ON THIS DRAWING. THE ARCHITECT DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION PROVIDED HEREON. THE ARCHITECT'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE BUILDING AS SHOWN ON THIS DRAWING. THE ARCHITECT DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION PROVIDED HEREON.

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DRAWINGS PROVIDED BY: **Hi-Ten BUILDERS**