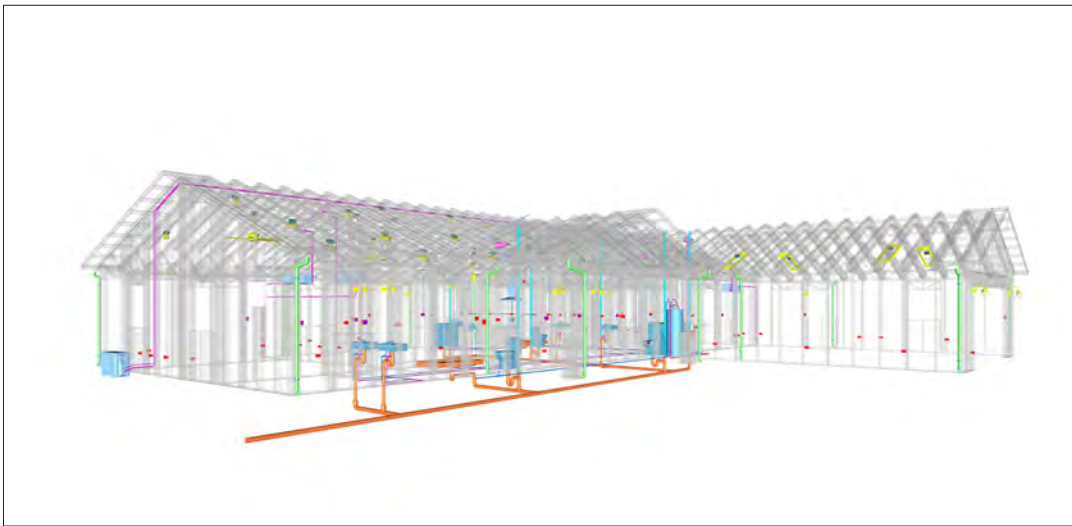




SCALE:

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OWNER

NAME	
EMAIL	
PHONE	

CONTRACTOR

NAME	
EMAIL	
PHONE	

SITE LOCATION

COUNTRY	
STATE	
ZIP CODE	

SITE INFORMATION

PARCEL I.D.	
SQ.FOOTAGE	

MINIMUM SETBACKS

FRONT	
SIDE	
REAR	

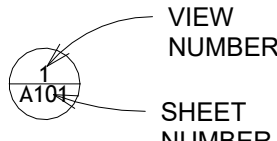
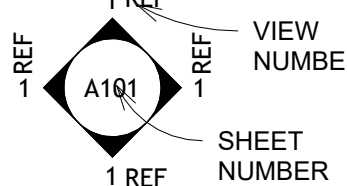
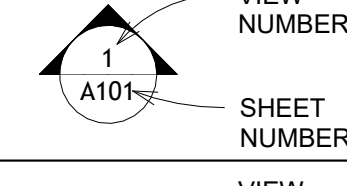
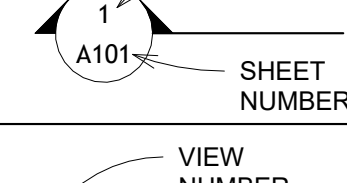
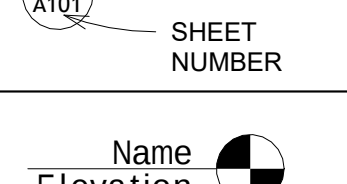
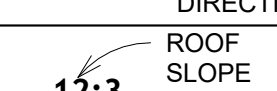
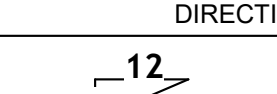
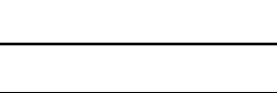
ZONING

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CODES AND AMENDMENTS

CODE BOOK	
SNOW LOAD	
WIND SPEED	
SEISMIC DESIGN CATEGORY	
WEATHERING	
FROST LINE DEPTH	
TERMITE DECAY	
WINTER DESIGN TEMP	
FLOOD HAZARDS	

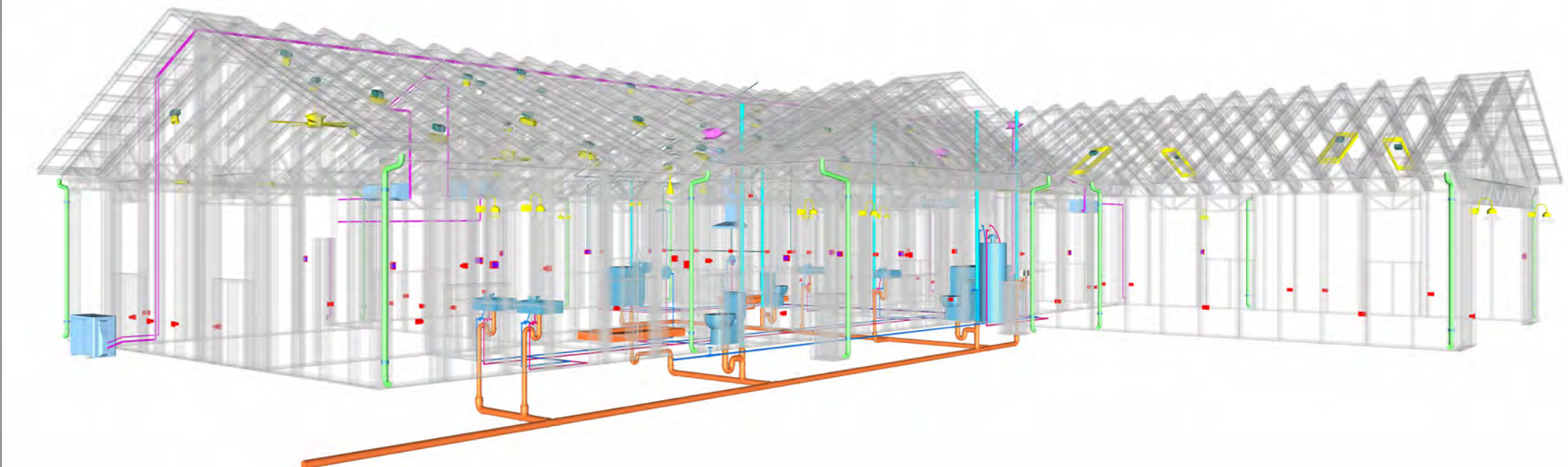
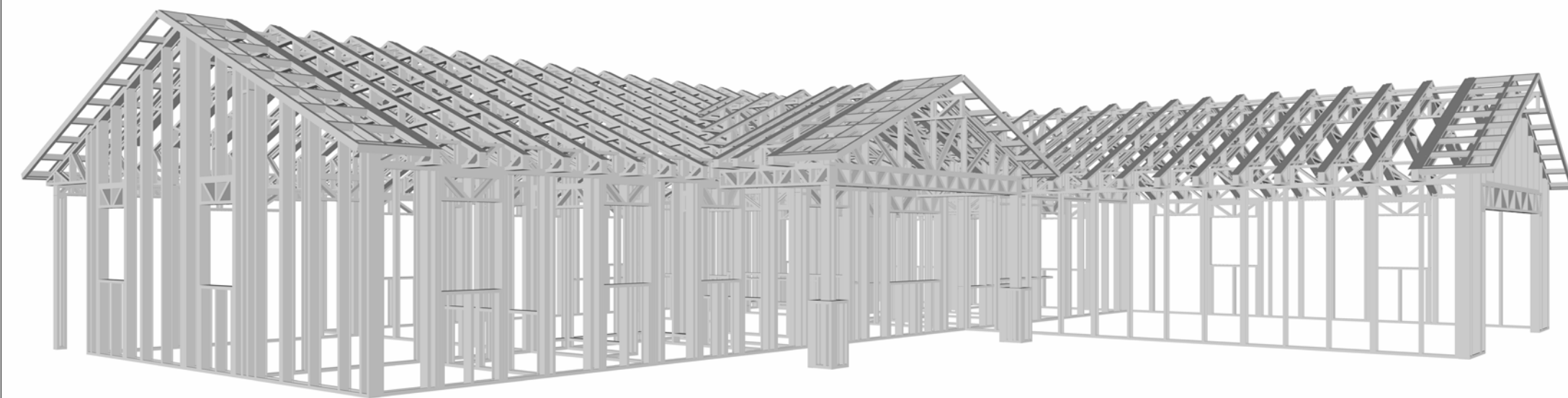
LINE LEGEND			
HIDDEN LINE	----	CUT LINE	----
ROOM SEPARATOR	----	CALL OUT BOUNDRY	----
DOOR OPENING DIRECTION	----	LEVEL	----
OVER HEAD	----	GROUND CUT	----

SYMBOLS	SYMBOLS NAME
	CALLOUT HEAD
	INTERIOR ELEVATION
	BUILDING ELEVATION
	SECTION
	DETAIL VIEW
	ELEVATION LEVEL
	SPOT ELEVATION
	FLOOR SLOPE
	ROOF SLOPE
	ROOF SLOPE ELEVATION

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A102	DIMENSION PLAN
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S102	STRUCTURAL FLOOR PLAN
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P104	RISER DIAGRAM
M101	HVAC PLAN
M102	HVAC SECTION
M103	RISER DIAGRAM

TAG	TAG'S NAME
	CASEWORK TAG
	DOOR TAG
	FURNITURE TAG
	WINDOW TAG
	SPECIALTY EQUIPMENT TAG
	MECHANICAL EQUIPMENT TAG
	PLUMBING EQUIPMENT TAG

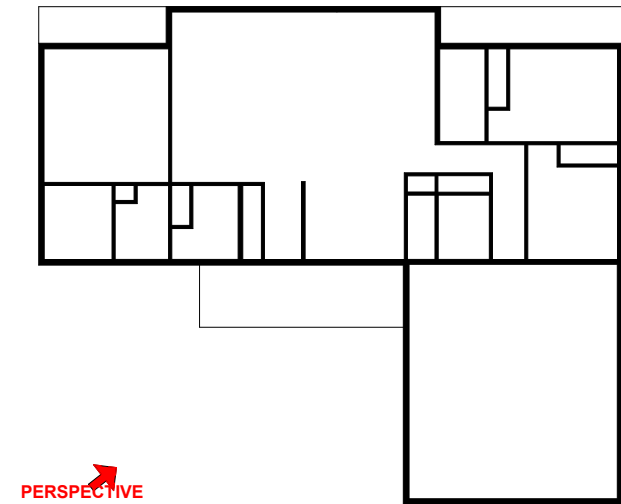
ABBREVIATION	
AFS	ACTION FLOOR SYSTEMS
ASTM D698	AMERICAN SOCIETY FOR TESTING AND MATERIAL
CA	CASEWORK
EL	ELECTRICAL
F.F.E	FINISHED FLOOR ELEVATION
F.F.L	FINISHED FLOOR LEVEL
FTG	FOOTINGS
HVAC	HEATING, VENTILATION & AIR CONDITIONING
IRC	INTERNATIONAL RESIDENCE CODE
IMC	INTERNATIONAL MECHANICAL CODE
MAX.	MAXIMUM
ME	MECHANICAL
MIN.	MINIMUM
NO.	NUMBER
O.C	ON CENTER
OSB	ORIENTED STRAND BOARD
PL	PLUMBING
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
REF	REFERENCE
RG	RIGHT GARAGE
SE	SPECIAL EQUIPMENT
SF	SQUARE FEET
SIMP. STHD8	SIMPSON STRAP THE HOLDDOWN
SIMP. ABE66	SIMPSON ANCHOR BOLT EDGE
TV	TELEVISION
UNO	UNLESS NOTED OTHERWISE
W/	WITH
W/D	WASHER/DRYER
AC	AIR CONDITIONING UNIT
ACC	AIR COOLED CONDENSER
ACCU	AIR COOLED CONDENSING UNIT
AHU	AIR HANDLING UNIT
CC	COOLING COIL
CD	CEILING DIFFUSER
Cfm	Cubic Feet Per Minute
CR	CEILING REGISTER
CU	CONDENSING UNIT
CW	COLD WATER
E/A	EXHAUST AIR
EF	EXHAUST FAN
ET	EXPANSION TANK
EX.	EXISTING
FC	FLEXIBLE CONNECTION
FCU	FAN COIL UNIT
FLR.	FLOOR
HC	HEATING COIL
HE	AIR TO AIR HEAT EXCHANGER
HV	HEATING AND VENTILATING UNIT
IV	INLET VANES
MER	MECHANICAL ROOM
MAX.	MAXIMUM
MIN.	MINIMUM
R/A	RETURN AIR
RCU	RECIPROCATING CHILLER UNIT
RF	RETURN FAN
S/A	SUPPLY AIR
SCD	SMOKE CONTROL DAMPER
SP	STATIC PRESSURE



246-
EMBER-1650-3Bd2.5Ba-
CRAFTSMAN-550

SQUARE FOOTAGE	
LIVING	1650
GARAGE	620
PORCH	254
TOTAL	2524

KEY PLAN



NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

246-EMBER-1650-3Bd2.5Ba
CRAFTSMAN-550

DRAWING NAME

COVER SHEET

CLIENT NAME:	Client Name
PROJECT NUMBER:	0061_12
DATE:	5/8/2025 2:18:46 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

G101

SCALE: As indicated

GENERAL NOTES

1. THIS DRAWING DEPICTS THE ARCHITECTURAL (SPACE LAYOUT, FURNISHING, FLOOR, WALLS, ROOFS, FOUNDATION, WINDOWS AND DOORS) SYSTEMS. IT PROVIDES A VISUAL REPRESENTATION OF THE ARCHITECTURAL LAYOUT AND COMPONENTS.
2. THE ARCHITECTURAL DRAWINGS ARE PREPARED TO MEET THE SPECIFIC REQUIREMENTS OF THE BUILDING, AS PER THE PROJECT SPECIFICATIONS AND APPLICABLE CODES AND STANDARDS.
3. THE CONSTRUCTION OF THIS HOME SHALL COMPLY WITH THE LATEST EDITION OF THE INTERNATIONAL RESIDENTIAL CODE (IRC), INTERNATIONAL MECHANICAL CODE (IMC), THE INTERNATIONAL PLUMBING STANDARD, THE NATIONAL ELECTRICAL STANDARD AND ALL OTHER APPLICABLE LOCAL, STATE, AND NATIONAL CODES AND REGULATIONS.
4. COORDINATION WITH OTHER TRADES HAS BEEN DONE ON A DESIGN LEVEL. THIS DRAWING SHALL BE READ TOGETHER WITH THE ME, EL AND PL DESIGN DRAWINGS TO ENSURE PROPER CONSTRUCTION AND INTEGRATION OF THE BUILDING SYSTEMS.

ABOUT WALLS:

1. SHOWER WALL COVERING
BATHTUB AND SHOWER SPACES (WALLS AND FLOORS) WITH INSTALLED SHOWER HEADS AND IN SHOWER COMPARTMENTS SHALL BE FINISHED WITH A NON-ABSORBENT SURFACE.
2. WALL PAINT (INTERNAL)
THE TYPICAL THICKNESS OF LATEX WALL PAINT IS 1/32 OF AN INCH FOR A SINGLE COAT. AND DOUBLE COAT (1/16") SHALL BE APPLIED FOR DURABILITY.
3. ADHESIVES:
THE ADVISABLE TYPE OF ADHESIVE FOR THIS PROJECT IS EPOXY ADHESIVES BECAUSE THEY ARE KNOWN FOR THEIR HIGH STRENGTH, DURABILITY, AND RESISTANCE TO MOISTURE, CHEMICALS AND HEAT.

REFER TO SHEETS A201 & A202 FOR GENERAL NOTES ON EXTERNAL FINISHING MATERIALS

ABOUT FLOORS:

1. THE SPOT ELEVATION INDICATES THE FINISHED FLOOR ELEVATION.
2. FINISHED FLOORS PER PLANS.
3. FIELD VERIFY FOR DIMENSION DROP 4" FOR SHOWER AND BATHTUB USE.
4. 1% SLOPE ON OUTDOOR BALCONIES FOR WATER RUN OFF.
5. 2% SLOPE TOWARDS THE SHOWER DRAIN FOR SUFFICIENT DRAINAGE.
6. 4" DROP AT THE DOOR LEADING TO EXTERIOR BALCONY FROM THE MAIN LIVING AREA.
7. 5% SLOPE FOR GARAGE IS USED, WHICH SHOULD BE CHECKED WITH THE LOCAL GARAGING ZONING LAWS.

FURNITURE SCHEDULE

TYPE MARK	TYPE	COUNT
01	KING SIZE BED	3
02	FOUR SIT 85" X 85"	1
03	ONE SEAT SOFA	2
04	COFFE TABLE	1
05	DINING CHAIR	8
06	TV STAND	1

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	CEILING HEIGHT	COMMENTS
01	ENTRY	HARDWOOD	CONCRETE	WALL PAINT	DRY WALL		
02	LIVING ROOM	HARDWOOD	CONCRETE	WALL PAINT	DRY WALL	8' - 0"	
03	KITCHEN	HARDWOOD	CONCRETE	WALL PAINT + CERAMIC	DRY WALL	8' - 0"	
04	DINING	HARDWOOD	CONCRETE	WALL PAINT	DRY WALL	8' - 0"	
05	BEDROOM 1	HARDWOOD	CONCRETE	WALL PAINT	DRY WALL	8' - 0"	
06	BEDROOM 2	HARDWOOD	CONCRETE	WALL PAINT	DRY WALL	8' - 0"	
07	BEDROOM 3	HARDWOOD	CONCRETE	WALL PAINT	DRY WALL	8' - 0"	
08	CL 1	HARDWOOD	CONCRETE	WALL PAINT	DRY WALL	8' - 0"	
09	CL 2	HARDWOOD	CONCRETE	WALL PAINT	DRY WALL	8' - 0"	
10	CL 3	HARDWOOD	CONCRETE	WALL PAINT	DRY WALL	8' - 0"	
11	CL 4	HARDWOOD	CONCRETE	WALL PAINT	DRY WALL	8' - 0"	
12	CL 5	HARDWOOD	CONCRETE	WALL PAINT	DRY WALL	8' - 0"	
13	BATH 1	VINYL TILES	CONCRETE	CERAMIC TILE	MRD	8' - 0"	
14	BATH 2	VINYL TILES	CONCRETE	CERAMIC TILE	MRD	8' - 0"	
15	WC	VINYL TILES	CONCRETE	CERAMIC TILE	DRY WALL	8' - 0"	
16	W/C	HARDWOOD	CONCRETE	WALL PAINT	DRY WALL	8' - 0"	
17	HALL	HARDWOOD	CONCRETE	WALL PAINT	DRY WALL	8' - 0"	
18	L 1	HARDWOOD	CONCRETE	WALL PAINT	DRY WALL	8' - 0"	
19	L 2	HARDWOOD	CONCRETE	WALL PAINT	DRY WALL	8' - 0"	
20	HW	VINYL TILES	CONCRETE	WALL PAINT	DRY WALL	8' - 0"	
21	WD	VINYL TILES	CONCRETE	CERAMIC TILE	DRY WALL	8' - 0"	
22	GARAGE	EPOXY	CONCRETE	WALL PAINT	DRY WALL	8' - 0"	
23	FRONT PORCH	PROCELAIN TILE	CONCRETE	EXTERIOR-GRADE PLYWOOD	PLYWOOD	8' - 0"	
24	BACK PORCH 1	PROCELAIN TILE	CONCRETE	EXTERIOR-GRADE PLYWOOD	PLYWOOD	8' - 0"	
25	BACK PORCH 2	PROCELAIN TILE	CONCRETE	EXTERIOR-GRADE PLYWOOD	PLYWOOD	8' - 0"	

1

FLOOR PLAN

1/4" = 1'-0"

KEY PLAN

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

246-EMBER-1650-3Bd2.5Ba
CRAFTSMAN-550

DRAWING NAME

FLOOR PLAN

CLIENT NAME:

Client Name

PROJECT NUMBER:

0061_12

DATE:

5/8/2025 2:18:58 PM

DESIGNED BY:

Designer

DRAWN BY:

Author

CHECKED BY:

Checker

A101

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

KEY PLAN

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

246-EMBER-1650-3Bd2.5Ba
CRAFTSMAN-550

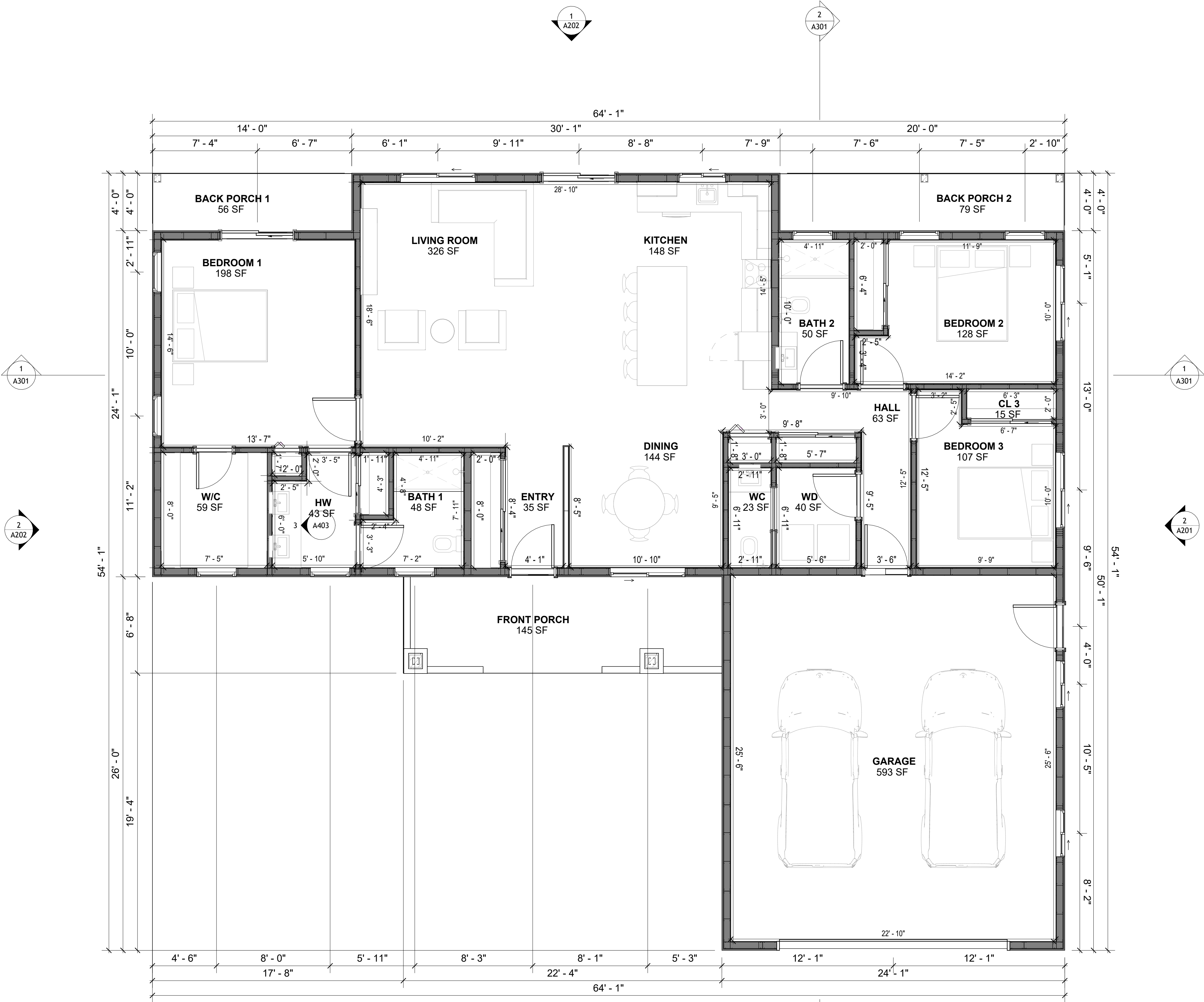
DRAWING NAME

DIMENSION PLAN

CLIENT NAME:	Client Name
PROJECT NUMBER:	0061_12
DATE:	5/8/2025 2:19:04 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

A102

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



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

DIMENSIONS IN THE ARCHITECTURAL DRAWINGS CONSIDER FINISHING MATERIALS. FOR PRECISE MEASUREMENTS OF THE STRUCTUAL FRAMING, REFER TO THE ATTACHED STRUCTURAL PLAN SET.

FOUNDATION NOTES

NOTES:
TERMITES PRETREATMENT BY LICENSED CONTRACTOR UNDER SLAB AND AROUND FOOTINGS.
ALL AREAS BELOW SLABS SHALL BE TREATED NO MORE THAN 24 HOURS PRIOR TO CONCRETE POUR. EVIDENCE OF TREATMENT MUST BE PROVIDED PRIOR TO PLACING OF CONCRETE.

1. **MATERIALS:**
ALL INTERIOR CONCRETE SLABS SHALL BE A MIN. OF 4" THICK CONCRETE OVER 4" COMPACTED AGGREGATE BASE (ASTM D698), FINISH ELEVATIONS AS NOTED ON DRAWINGS, 6" ABOVE ADJACENT GRADE, LEVEL SLABS TO 1/8"-10" MAX.. CONCRETE SLABS SHALL BE 2500# PSI AT 28 DAYS. A 4" ALLOWABLE SLUMP.

2. **PAD PREPARATION:**
- EXCAVATION FOR FOOTING SHALL BE NEAT.
- FOOTINGS SHALL BE POURED IMMEDIATELY AFTER EXCAVATION AND APPROPRIATE INSPECTION.
- ALL REINFORCING STEEL MARKED "CONTINUOUS" SHALL BE LAPPED 36 BAR DIAMETERS AT SPLICES AND AROUND CORNERS OR INTERSECTIONS WITH A STANDARD 90 DEGREE BEND ON CORNER BARS. LAP WIRE MESH ONE FULL MESH AT SIDE AND END LAPS.
- ALL HARDWARE TO BE SIMPSON OR EQUIVALENT.
- EXTERIOR FRAME WALL TO BE SECURED WITH 1/2"x10" ANCHOR BOLTS 4'-0" O.C. FOR 1-STORY AND 2'-8" O.C. FOR 2-STORY. BOLTS SHALL BE LOCATED WITHIN 1'-0" OF EACH END PIECE AND SHALL HAVE A MIN. OF TWO BOLTS PER PIECE.
- FOUNDATION ANCHOR STRAPS SHALL BE PERMITTED, ACCORDING TO RESIDENTIAL CODE 2021
- ALL INTERIOR WALLS TO BE SECURED WITH POWER DRIVEN PINS PER MANUFACTURER SPECIFICATION USE PIN SPACING EQUIVALENT TO 1/2" ANCHOR BOLTS.
- ALL CONSTRUCTION TO CONFORM TO THE 2012 IRC
- R-10 RIGID INSULATION OUTSIDE OF EXTERIOR FOUNDATION WALLS UNDER LIVING AREA.
- CONCRETE PAD FOR CONDENSER THICKNESS IS 4" MIN UNLESS OTHERWISE NOTED.

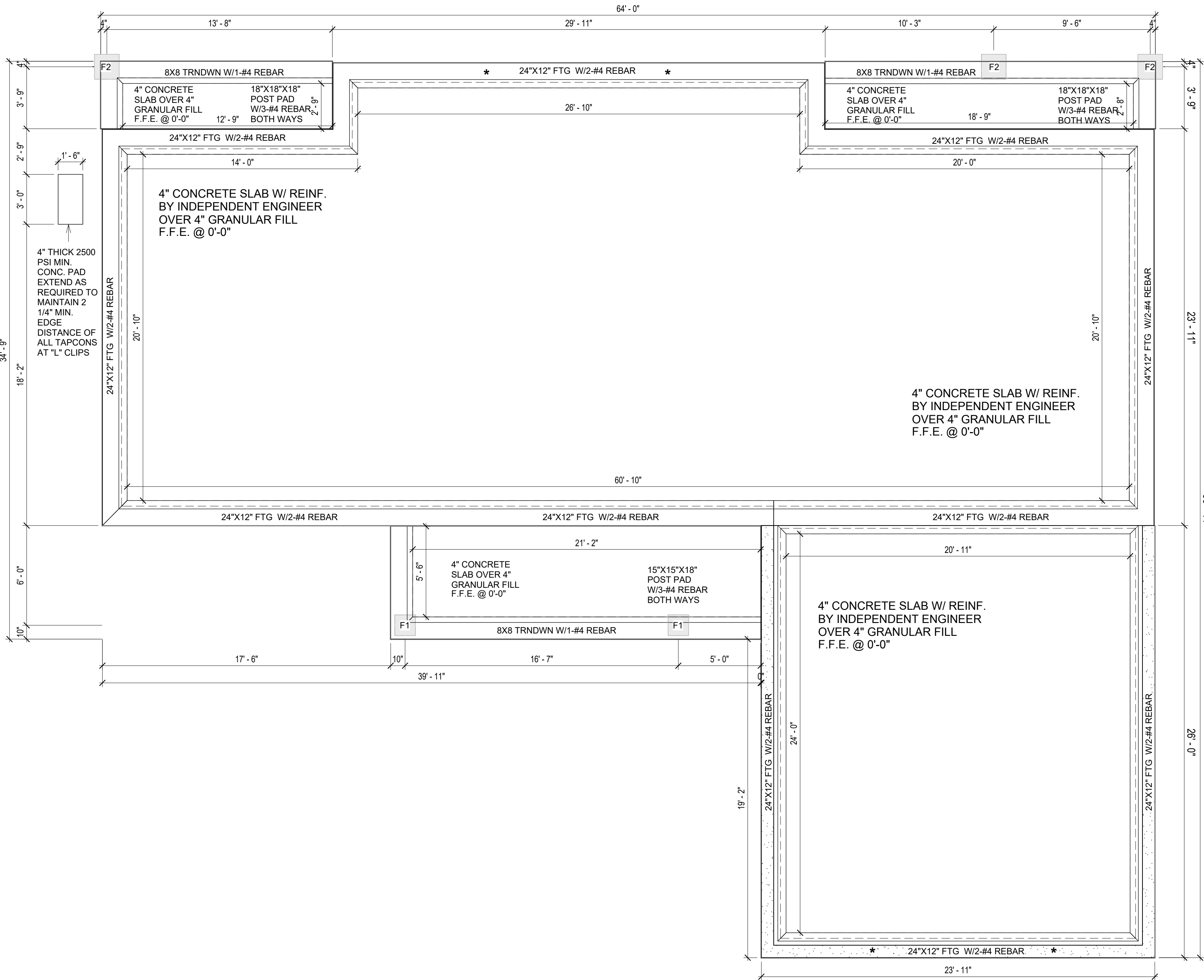
3. **CONCRETE CONSTRUCTION:**
- THE SLAB SHALL BE UNDERLAIN BY A VAPOR BARRIER/RETARDER IN THE LIVING AREA (TYPICALLY POLYETHYLENE, UNLESS MORE STRINGENT PROTECTION REQUIRED BY THE ARCHITECT, ENGINEER, FLOOR COVERING MANUFACTURER, OR ACCEPTED PRACTICE). UNLESS OTHERWISE REQUIRED, BARRIER MAY BE OMITTED AT GARAGES, PORCHES AND PATIOS WITHOUT FLOOR COVERINGS. IT IS BEYOND THE SCOPE OF THESE PLANS TO DETERMINE THE APPLICABILITY OF THESE MORE STRINGENT REQUIREMENTS. BUILDER SHALL VERIFY PRIOR TO CONSTRUCTION.

4. **REINFORCEMENT :**
- IF CONSTRUCTED ON ACTIVE SOILS, THE LONG TERM PERFORMANCE OF THE FOUNDATION IS DEPENDENT ON MAINTENANCE BY THE OWNER. THUS THE BUILDER SHALL ADVISE THE OWNER OF THE FOLLOWING:
1. DRAINAGE MUST BE MAINTAINED. WATER SHALL NEVER BE ALLOWED TO POND NEAR THE FOUNDATION.
2. THE SOIL AROUND THE FOUNDATION SHALL BE MAINTAINED IN A RELATIVELY DAMP CONDITION, SUCH AS THAT REQUIRED TO KEEP A LAWN GREEN. IF IT DRIES OUT IT WILL SHRINK. IF IT GETS WET, IT WILL HEAVE UPWARD.
3. SLABS ON THE SHORTER SIDE USES MAIN BARS ARE USED IN THIS DIRECTION ONLY WITH SMALLER DIAMETER DISTRIBUTION BARS ARE PLACED, FORMING A MAT OR GRID.
4. ALL REINFORCEMENT BARS SIZE 10MM OR LARGER IN ACCORDANCE TO ASTM
3. ANCHOR BOLTS AT ALL EXTERIOR WALLS SHALL BE MINIMUM 1/2 INCH DIAMETER WITH A MAXIMUM SPACING OF 6'-0" ON CENTER, UNLESS NOTED OTHERWISE.
4. ANCHOR BOLTS SHALL BE INSTALLED WITHIN 12 INCHES OF EACH END OF EACH SILL PLATE WITH AT LEAST TWO ANCHOR BOLTS FOR EACH BOLTS FOR EACH SILL PLATE LONGER THAN 12 INCHES.
5. SIMPSONS SILL ANCHORS MAYBE SUBSTITUTED FOR ANCHOR BOLTS AT THE SAME SPACING.
6. EXTERIOR CONCRETE SLABS WHICH ARE NOT PART OF THE MAIN SLAB SHALL BE MINIMUM 4 INCHES THICK WITH NO STEEL REINFORCING BARS REQUIRED, UNLESS NOTED OTHERWISE ON FOUNDATION PLAN.

VERIFY THE FOLLOWING PRIOR TO POURING:

- ALL HOLDDOWNS , STRAP, AND POST LOCATIONS.
- CONCRETE FINISHES. PANEL RISER LOCATION - WHERE APPLICABLE.
- UNDERSLAB MECHANICAL REQUIREMENTS.
- STEM WALL BLOCKOUTS.
- UNDERSLAB ELECTRICAL REQUIREMENTS AND PANEL RISER LOCATION. WHERE APPLICABLE.
- PROVIDE THE FOLLOWING:
 - PVC SLEEVES THROUGH FTG IF REQUIRED
 - 20' #4 COPPER GROUND BAR.
- SLOPE FINISH GRADE AWAY FROM FOOTING.

NOTE: FIELD VERIFY ALL DIMENSIONS SEE DIMENSIONED ARCHITECTURAL DRAWINGS



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

SQUARE FOOTAGE	
LIVING	1650
GARAGE	620
PORCH	254
TOTAL	2524



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888-864-0184
inquire@frameupnow.com
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KEY PLAN

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

246-EMBER-1650-3Bd2.5Ba
CRAFTSMAN-550

DRAWING NAME

FOUNDATION PLAN

CLIENT NAME:	Client Name
PROJECT NUMBER:	0061_12
DATE:	5/8/2025 2:19:05 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

S101

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

NOTES:
-ALL BEARING WALLS SHOULD HAVE A THICKENED SLAB PER SECTION PER DETAIL A401/5.

1. CONCRETE SLAB SHALL BE 6" THICK WITH 1/2" DIAMETER TENDONS PER LAYOUT PLAN, CENTERED IN SLAB THICKNESS, OVER APPROVED SUBBASE PER GENERAL STRUCTURE NOTES.
2. TERMITE PROTECTION SHALL BE PROVIDED PER IRC SECTION R318.1
3. NONE TYPICAL ANCHOR BOLT SPACING AT SHEAR WALL AND HOLD DOWN SPECIFICATIONS PER APPROVED ARCHITECTURAL PLANS.
4. INSTALL HOLDDOWNS BEFORE CONCRETE SLAB POUR.
5. EXISTING FILL ON-SITE SHALL BE COMPACTED IN ACCORDANCE WITH THE REQUIREMENTS IN THE GEOTECHNICAL REPORT.
6. ALL FLOOR SLABS ARE REINFORCED ON CONCRETE SLABS.

1. REINFORCEMENT
2. 2300 PSI CONCRETE POUR

1. ALL REINFORCING SLABS BARS SIZE 10MM OR LARGER SHALL BE DEFORMED IN ACCORDANCE TO ASTM-A706, AND BARS SMALLER THAN 10 MM MAYBE PLAIN.
2. UNLESS OTHERWISE NOTED IN PLANS, THE YIELD STRENGTH OF REINFORCING BARS SHALL BE:

A) FOOTING = 40,000 PSI
B) NON-LOAD BEARING WALLS AND PARAPETS= 40,000 PSI

3. SPLICES SHALL BE SECURELY WIRED TOGETHER AND SHALL LAP OR EXTEND
 4. GRADE OF STEEL FOR RCC WORKS SHALL BE GRADE 4 10.
 5. BAR NOTATIONS GIVES INFORMATION
 - A) BAR SIZE
 - B) SPACING(IF REQUIRED)
 6. LAP REINFORCEMENT ONLY AT LOCATION SHOWN IN THE DRAWINGS
 7. REINFORCEMENT SHALL NOT BE CUT, VENT OR HEATED ON SITE WITHOUT ENGINEERS APPROVAL.
- C) **CONCRETE SLAB NOTES**

1. ALL SLAB REINFORCEMENT SHALL BE 20MM CLEAR MINIMUM FROM BOTTOM AND FROM TOP OF SLAB.
2. REINFORCEMENT IN CONTINUOUS ELEVATED SLAB SHALL BE CUT AS FOLLOWS.

- THIS IS A SCHEMATIC PLAN FOR THE PURPOSE OF LOCATING AND IDENTIFYING FOUNDATION REINFORCING ELEMENTS ONLY. VERIFY ALL DIMENSIONS, DROPS, OFFSETS AND FEATURES WITH THE ARCHITECTURAL PLANS BEFORE FORMING THE FOUNDATION.



A detailed cross-section diagram of a roof assembly. The diagram shows a vertical wall on the left and a horizontal roof section extending to the right. The wall assembly consists of, from the exterior outwards: a layer of spray insulation, a layer of oriented strand board (OSB) labeled as 1/2 inch thick, a corrugated iron sheet, and a concrete cast-in-place layer. The roof assembly consists of, from the interior inwards: a concrete slab topping, a layer of rigid foam insulation board, a vapor barrier labeled as polyethyl AFS, a foam pad labeled as polyethyl, a wood-af maple floor, and a hard site. A curved pipe or duct is shown passing through the wall and roof assembly. The diagram uses various hatching and stippling patterns to represent different materials.

Labels on the left side (from top to bottom):

- SPRAY INSULATION
- ORIENTED STRAND BOARD (OSB) (1/2")
- CORRUGATED IRON
- CONCRETE CAST-IN-PLACE
- CONCRETE SLAB TOPPING
- RIGID FOAM INSULATION BOARD

Labels on the right side (from top to bottom):

- WOOD - AF MAPLE FLOOR
- FOAM PAD - POLYETHYL
- VAPOR BARRIER - POLYETHYL AFS
- HARD SITE

A detailed cross-section diagram of a wall assembly. The diagram shows a vertical wall section with a break at the top. The wall is composed of several layers: a concrete slab on the left, a rigid foam insulation board in the middle, and a concrete slab on the right. A cedar wood trim is shown on the left side of the wall. A 1/4"x24"x12" post pad is shown at the base of the wall. The wall is finished with a procelain tile on the right side, which is attached to a thin mortar layer. A damp proofing layer is shown between the concrete slabs. The wall is shown on a hard site.

Labels and components shown in the diagram:

- CEDAR WOOD
- RIGID FOAM INSULATION BOARD
- CONCRETE SLAB TOPPING
- 1/4"x24"x12" POST PAD
- PROCELAIN TILE
- THIN MORTAR
- DAMP PROOFING
- CONCRETE CAST-IN-PLACE
- HARD SITE

3 TURN DOWN/POSTPAD
1" = 1'-0"

[illegible]

NOTE:

LEGEND:

PROJECT

246-EMBER-1650-3Bd2.5Ba
CRAFTSMAN-550

DRAWING NAME

STRUCTURAL FLOOR PLAN

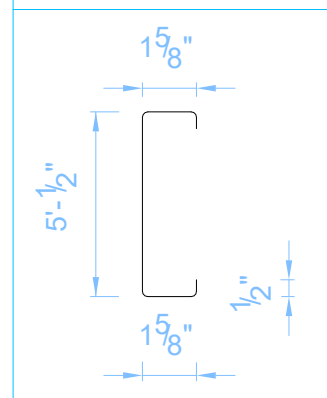
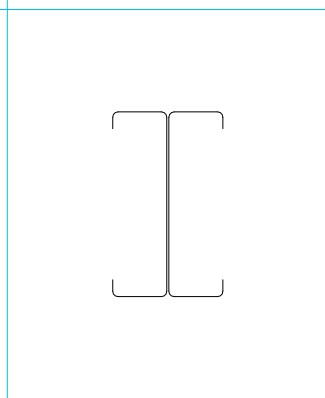
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PROJECT NUMBER:	0061_12
DATE:	5/8/2025 2:19:07 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

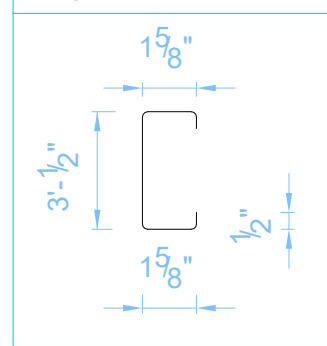
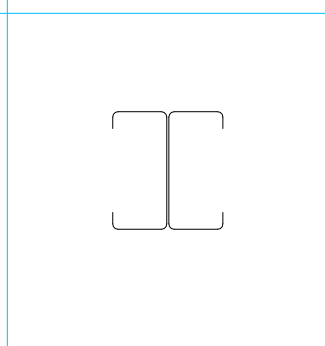
S102

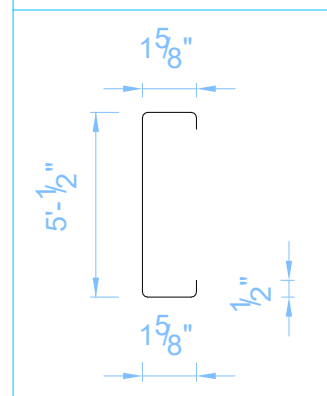
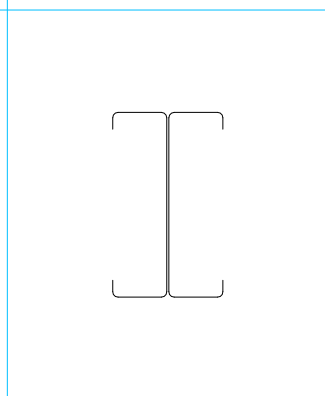
SCALE: **As indicated**

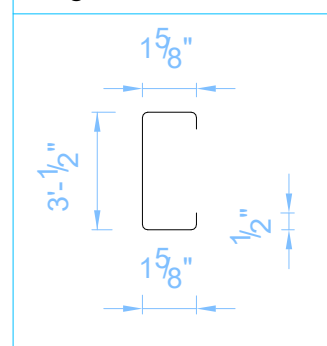
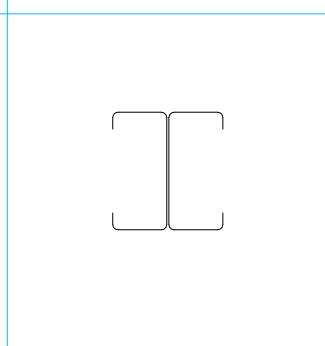
LEGEND

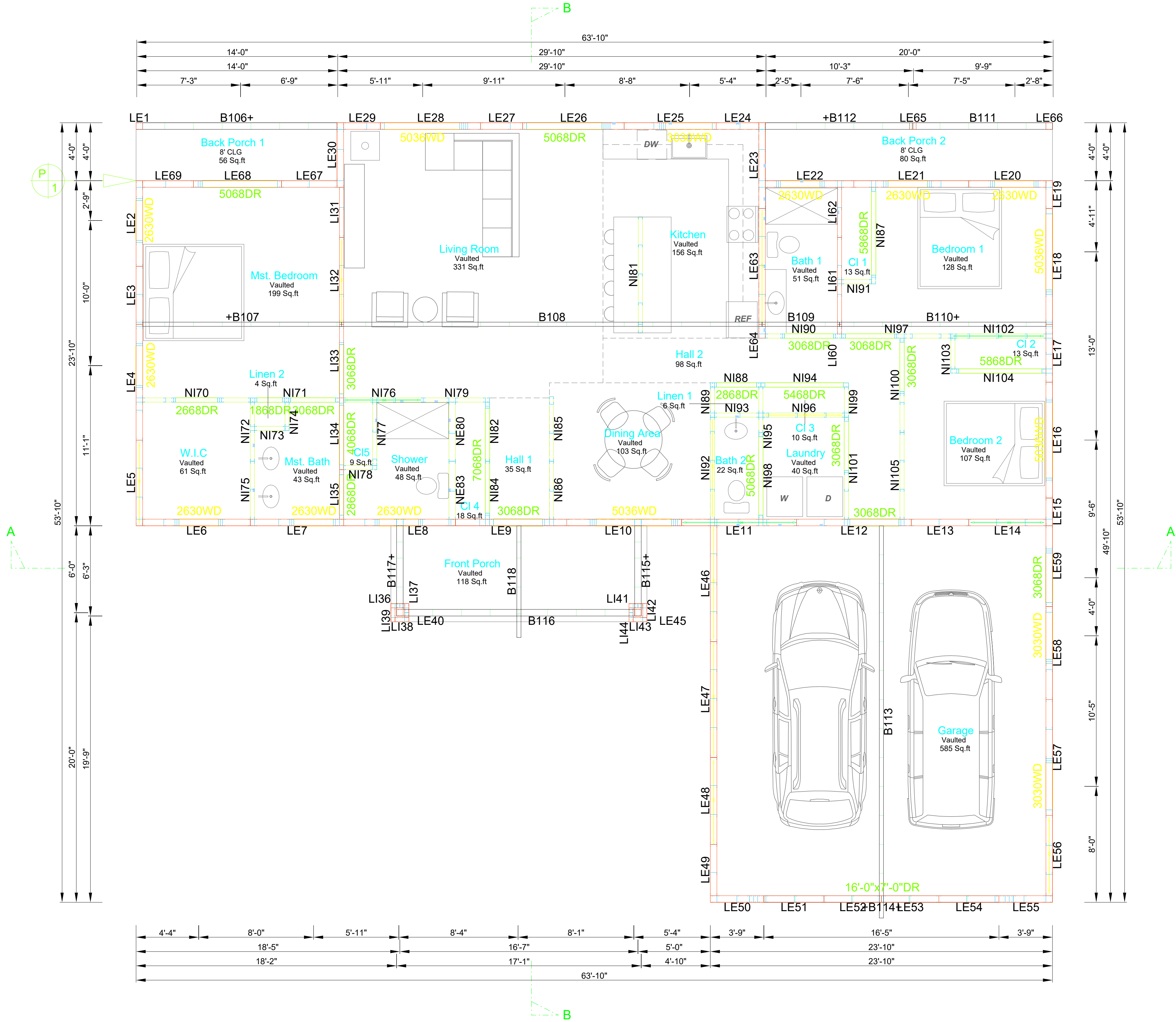
LE	Load Bearing External Wall
LI	Load Bearing Internal Wall
NE	Non Load Bearing External Wall
NI	Non Load Bearing Internal Wall
B	Beam
CB	Claded Beam
GB	Glulam Beam

550S 33mil 50ksi	
Single Absolute Stud	Back to Back Stud
	

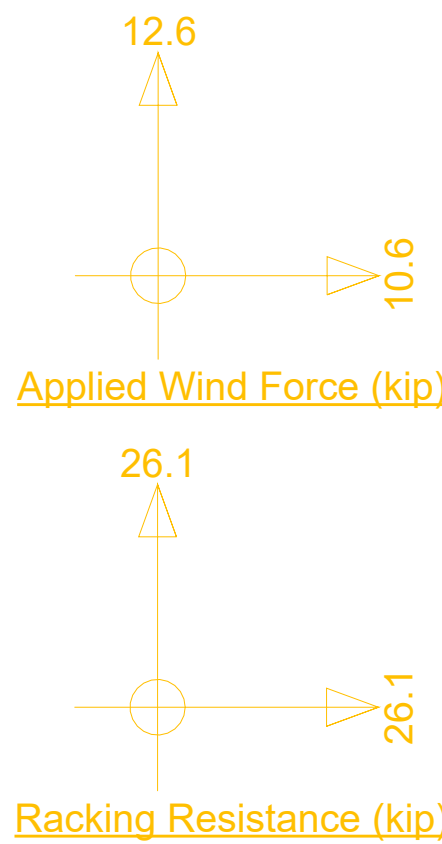
350S 33mil 50ksi	
Single Absolute Stud	Back to Back Stud
	

550S 43mil 50ksi	
Single Absolute Stud	Back to Back Stud
	

350S 43mil 50ksi	
Single Absolute Stud	Back to Back Stud
	



1 WALL FRAME LAYOUT
1/4" = 1'-0"



SQUARE FOOTAGE	
LIVING	1650
GARAGE	620
PORCH	254
TOTAL	2524

KEY PLAN

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

246-EMBER-1650-3Bd2.5Ba
CRAFTSMAN-550

DRAWING NAME

WALL FRAME LAYOUT

CLIENT NAME:

Client Name

PROJECT NUMBER:

0061_12

DATE:

5/8/2025 2:19:08 PM

DESIGNED BY:

Designer

DRAWN BY:

Author

CHECKED BY:

Checker

S103

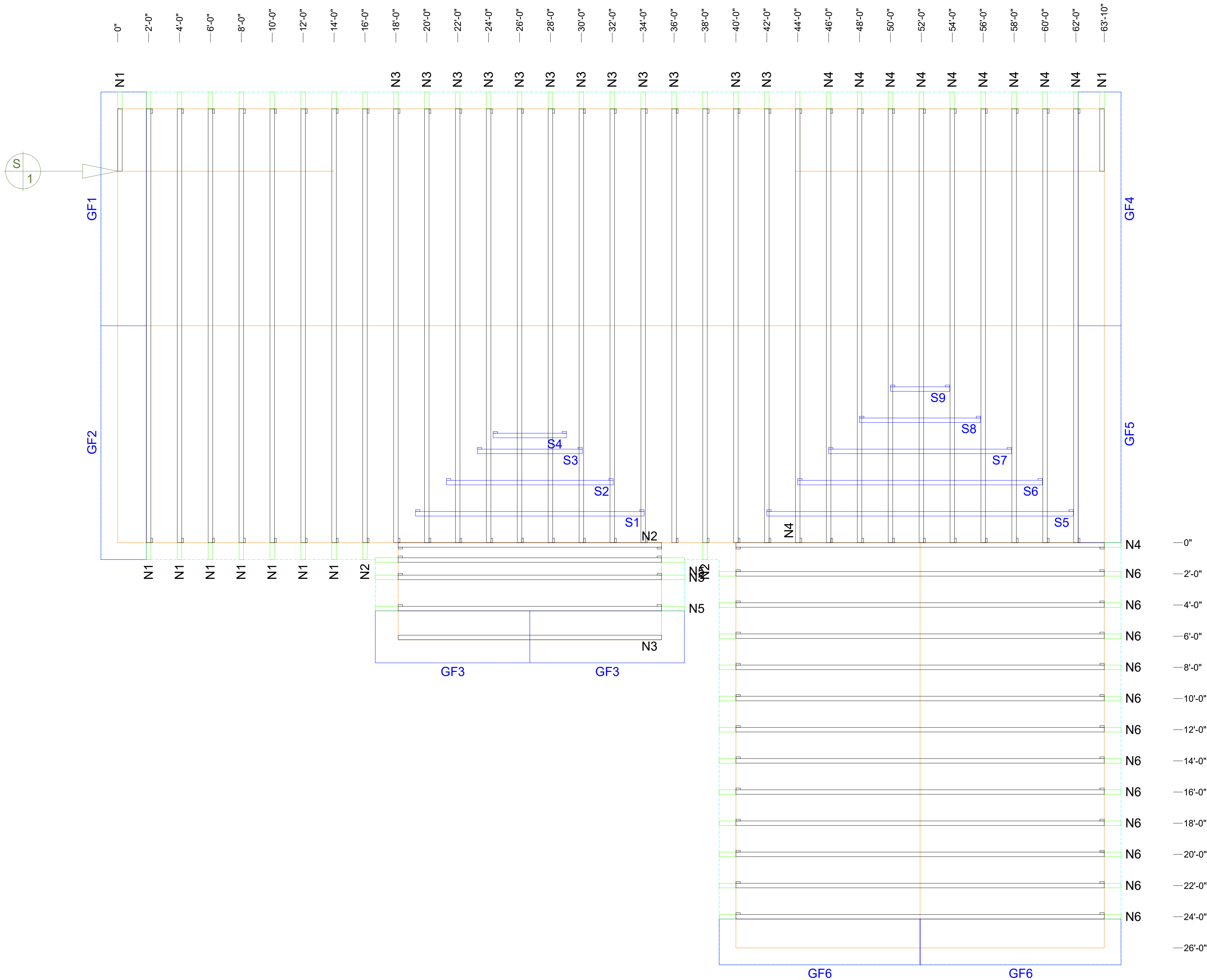
SCALE: 1/4" = 1'-0"

LEGEND

G	Gable Truss
GI	Girder Truss
GF	Gable Frame
HG	Half Gable Truss
HA	Half Girder Truss
PC	Parallel Truss
T	Truncated Truss
S1	Sadel Truss
U	User Truss
V	Rafter

Roof Design Load

Roof Live Load(psf)	20
Roof Dead load(psf)	14
Celling Dead load(psf)	3
Design Point Load(kip)	0.25
Snow Live Load	<5° = 40 psf >5° = 40 psf x slope factor of the Roof



1 **ROOF TRUSS LAYOUT**
1/4" = 1'-0"

SQUARE FOOTAGE	
LIVING	1650
GARAGE	620
PORCH	254
TOTAL	2524

KEY PLAN

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

246-EMBER-1650-3Bd2.5Ba
CRAFTSMAN-550

DRAWING NAME

ROOF TRUSS LAYOUT

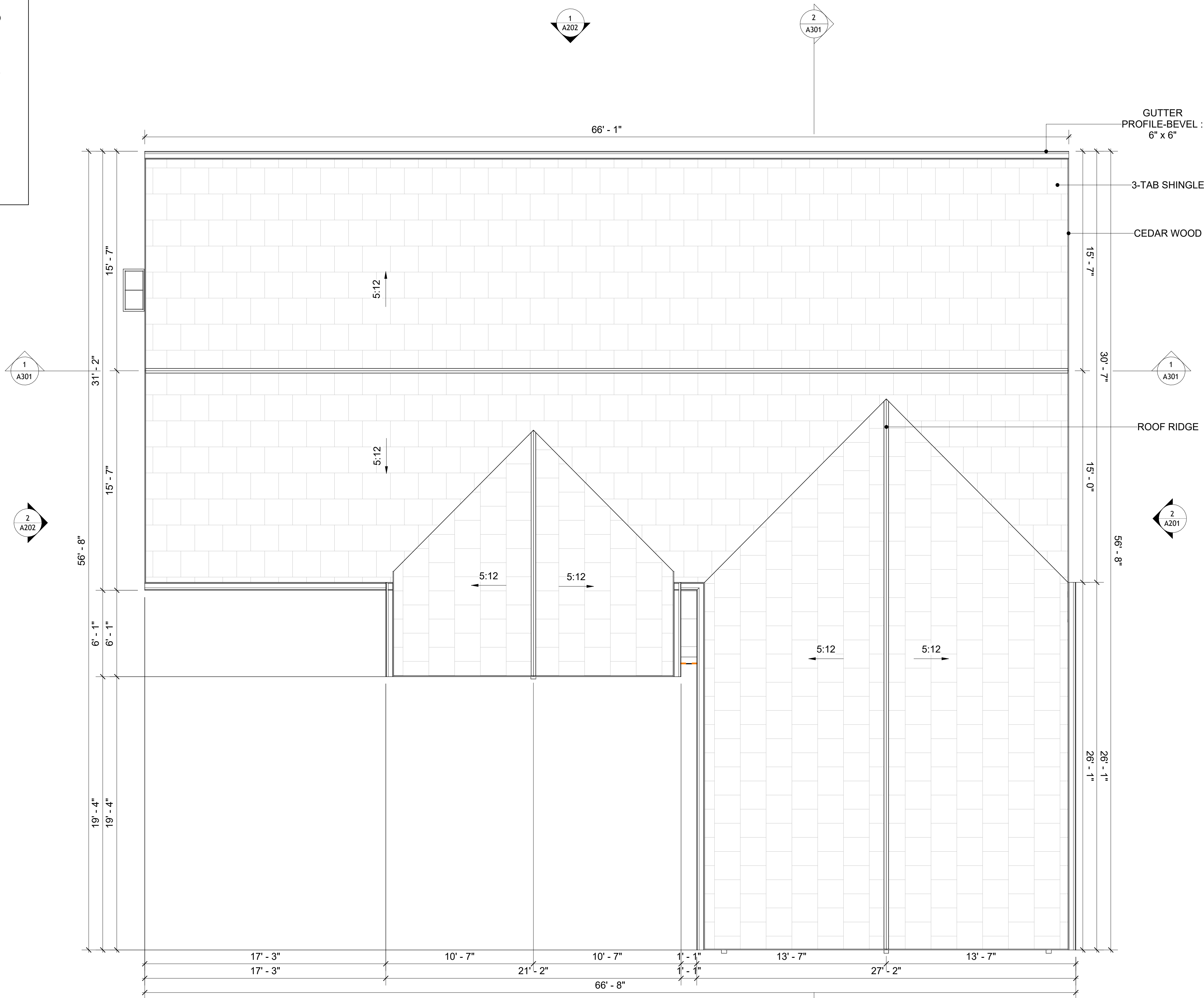
CLIENT NAME:	Client Name
PROJECT NUMBER:	0061_12
DATE:	5/8/2025 2:19:09 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

S104

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

ROOF NOTES

1. ROOFING COMPOSITION ROOFING PER OWNERS/BUILDERS SPECIFICATIONS INSTALL PER MANUFACTURE SPECIFICATIONS ON 1/2" ORIENTED STRAND BOARD ON PRE-ENGINEERED TRUSS @ 24" O.C. (UNO.)
2. 73" OVERHANG AT EAVES (UNO.)
3. ENDS OF ALL TRUSSES AND JOISTS TO BE FULLY BLOCKED. PROVIDE SOLID BLOCKING AT ALL RIDGES AND VALLEYS
4. SHEATHING TO BE 1/2", 3/8" OSB SHEAR PANEL AND EQUIVALENT. UNDERSIDE OF PORCH TRUSSES TO BE FINISHED WITH MOISTURE RESISTANT DRYWALL, TAPED AND TEXTURED.
5. EXPOSED EAVES AND OTHER WEATHER EXPOSED AREAS TO BE SHEATHED WITH EXTERIOR GRADE PLYWOOD.
6. ALL MATERIALS THICKNESS AND SIZE ARE THE MINIMUM. Refer TO LOCAL STANDARDS FOR ACTUAL THICKNESS AND LAYERING OF MATERIALS.
7. ENGINEERED TRUSS CALCULATIONS TO BE SUBMITTED TO BUILDING DEPARTMENT PRIOR TO FABRICATION AND INSTALLATION.
8. TRUSS MANUFACTURER TO SPECIFY HANGER CONNECTORS FOR TRUSS COMPONENTS (TYPICAL)
9. DESIGNER ASSUMES THAT TRUSSES BEAR ON ALL EXTERIOR PERIMETER WALLS (TYPICAL) OR BEAMS.
10. PROVIDE GALVANIZED STEEL FLASHING WITH A LENGTH OF 10 FEET, WIDTH OF 12 INCHES, AND THICKNESS OF 24 GAUGE.



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

SQUARE FOOTAGE	
LIVING	1650
GARAGE	620
PORCH	254
TOTAL	2524

KEY PLAN

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

246-EMBER-1650-3Bd2.5Ba
CRAFTSMAN-550

DRAWING NAME

ROOF PLAN

CLIENT NAME:	Client Name
PROJECT NUMBER:	0061_12
DATE:	5/8/2025 2:19:14 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

A103

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

ABOUT WALL FINISHING

CORRUGATED IRON SHEET

CORRUGATED IRON IS A FINISHING MATERIAL MADE FROM STEEL THAT HAS BEEN GALVANIZED (COATED WITH A THIN LAYER OF ZINC) TO PROTECT IT FROM CORROSION AND RUST.

IN THIS SPECIFIC PROJECT, THE CORRUGATED IRON SHEETS ARE INSTALLED HORIZONTALLY ON VERTICAL FURRING STRIPS THAT ARE DIRECTLY ATTACHED ONTO THE PROPERLY INSTALLED AND SEALED HOME WRAP, USING SELF-DRILLING SCREWS THAT ARE DRIVEN THROUGH THE RIDGES OR VALLEYS OF THE CORRUGATIONS.

STONE VENEER

STONE VENEER REFERS TO THIN LAYERS OF NATURAL OR MANUFACTURED STONE APPLIED TO A STRUCTURAL WALL, KNOWN FOR THEIR REALISTIC APPEARANCE AND RELATIVE LIGHTNESS. THESE VENEERS PROVIDE THE AESTHETIC OF STONE WITHOUT THE COST AND WEIGHT OF FULL STONE CONSTRUCTION, CONTRIBUTING TO A BEAUTIFUL AND COST-EFFECTIVE EXTERIOR FINISH.

IN THIS SPECIFIC PROJECT, STONE VENEER IS USED A FINISH MATERIAL ON EXTERIOR FINISH.

CEDAR WOOD

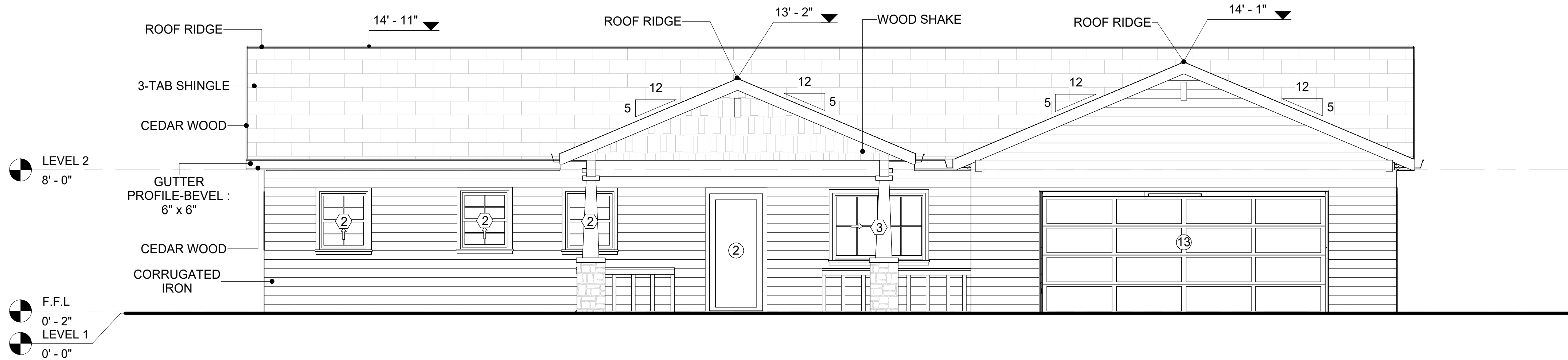
CEDAR WOOD REFERS TO THE WOOD FROM VARIOUS SPECIES OF CEDAR TREES, WHICH ARE CONIFEROUS EVERGREEN TREES KNOWN FOR THEIR DISTINCT AROMA AND NATURAL RESISTANCE TO DECAY AND INSECTS.

IN THIS SPECIFIC PROJECT, CEDAR WOOD IS USED A FINISH MATERIAL ON BEAMS AND COLUMNS.

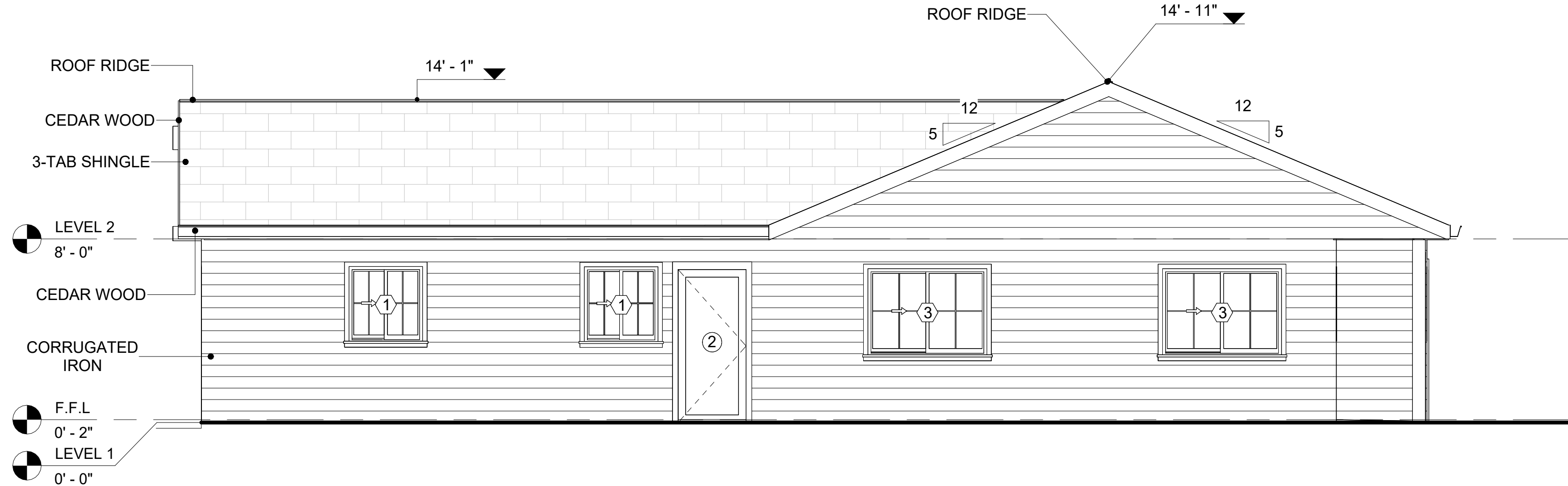
WOOD SHAKES

WOOD SHAKES ARE ROUGH-SAWN PIECES OF WOOD, TYPICALLY MADE FROM CEDAR OR REDWOOD, USED FOR ROOFING OR WALL CLADDING. THEY OFFER A RUSTIC, TEXTURED LOOK BUT REQUIRE REGULAR MAINTENANCE FOR DURABILITY AND PROTECTION AGAINST THE ELEMENTS.

IN THIS SPECIFIC PROJECT, WOOD SHAKES ARE APPLIED AT THE TOP OF THE EXTERNAL WALL, CREATING AN EYE-CATCHING DETAIL THAT COMPLEMENTS THE OVERALL ARCHITECTURE AND ENSURES A STURDY, WEATHER-RESISTANT FINISH.



1 FRONT ELEVATION
1/4" = 1'-0"

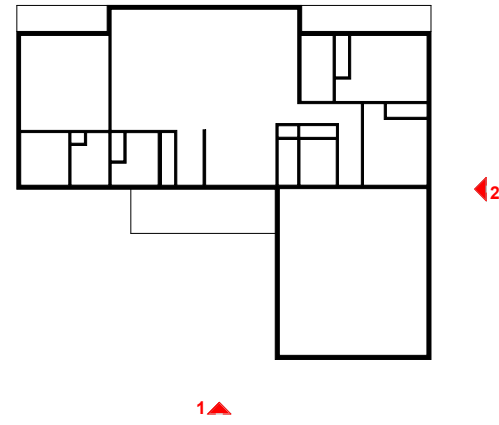


2 RIGHT SIDE ELEVATION
1/4" = 1'-0"

DOOR SCHEDULE						
TYPE MAR K	SUPPLIER	DOOR TYPE	LOCATIO N	SIZE		COUNT
				WIDTH	HEIGHT	
1	HOME DEPOT	INTERIOR SINGLE PANEL SWINGING	INTERIOR	3' - 0"	6' - 8"	6
2	HOME DEPOT	EXTERIOR SINGLE PANEL SWINGING	INTERIOR	3' - 0"	6' - 8"	2
3	HOME DEPOT	INTERIOR SINGLE PANEL SWINGING	INTERIOR	2' - 6"	6' - 8"	1
4	HOME DEPOT	INTERIOR SINGLE PANEL SWINGING	INTERIOR	3' - 0"	6' - 8"	2
5	HOME DEPOT	PATIO DOUBLE PANEL SLIDING	EXTERIOR	5' - 0"	6' - 8"	2
6	HOME DEPOT	INTERIOR DOUBLE PANEL SLIDING	INTERIOR	7' - 0"	6' - 8"	1
7	HOME DEPOT	INTERIOR DOUBLE PANEL SLIDING	INTERIOR	5' - 8"	6' - 8"	2
8	HOME DEPOT	DOOR-INTERIOR-SINGLE-POCKET-2_PANE L-WOOD	INTERIOR	3' - 0"	6' - 9"	1
9	HOME DEPOT	INTERIOR DOUBLE PANEL SLIDING	INTERIOR	5' - 4"	6' - 8"	1
10	HOME DEPOT	SINGLE FOLD 2	INTERIOR	2' - 8"	6' - 8"	1
11	HOME DEPOT	SINGLE FOLD 2	INTERIOR	1' - 8"	6' - 8"	1
12	HOME DEPOT	INTERIOR DOUBLE PANEL SLIDING	INTERIOR	4' - 0"	6' - 8"	1
13	HOME DEPOT	DOOR-GARAGE-EMBOSSSED_PANEL	EXTERIOR	16' - 0"	6' - 6"	1

WINDOW SCHEDULE					
TYPE MARK	SUPPLIER	WINDOW TYPE	SIZE		COUNT
			WIDTH	HEIGHT	
1	HOME DEPOT	SLIDING	3' - 3"	3' - 3"	3
2	HOME DEPOT	SINGLE HUNG	2' - 9"	3' - 3"	8
3	HOME DEPOT	SLIDING	5' - 3"	3' - 9"	4

KEY PLAN



NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

246-EMBER-1650-3Bd2.5Ba
CRAFTSMAN-550

DRAWING NAME

ARCHITECTURAL ELEVATIONS

CLIENT NAME:	Client Name
PROJECT NUMBER:	0061_12
DATE:	5/8/2025 2:19:25 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

A201

SCALE: As indicated

ABOUT WALL FINISHING

CORRUGATED IRON SHEET

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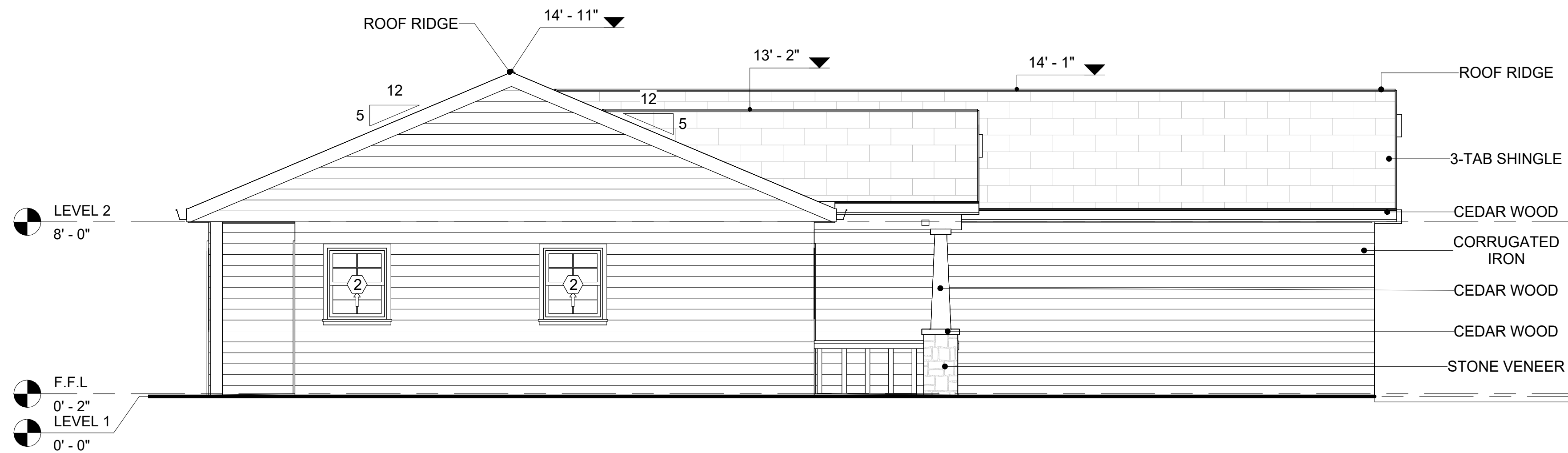
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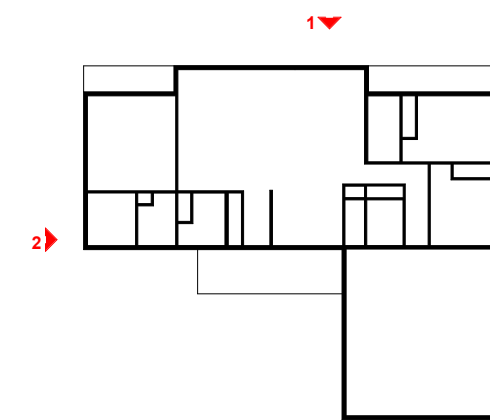


1 REAR ELEVATION
1/4" = 1'-0"



2 LEFT SIDE ELEVATION
1/4" = 1'-0"

KEY PLAN



NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

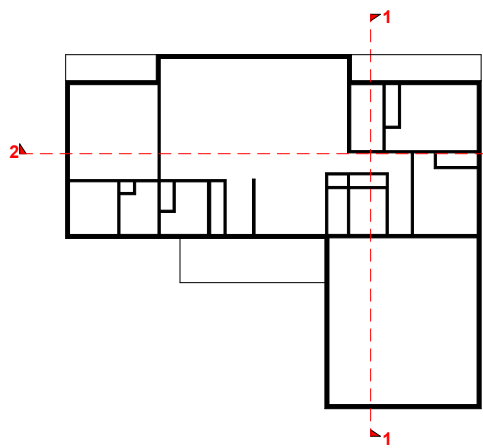
246-EMBER-1650-3Bd2.5Ba
CRAFTSMAN-550

DRAWING NAME

ARCHITECTURAL ELEVATIONS

CLIENT NAME:	Client Name
PROJECT NUMBER:	0061_12
DATE:	5/8/2025 2:19:34 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

KEY PLAN



NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

246-EMBER-1650-3Bd2.5Ba
CRAFTSMAN-550

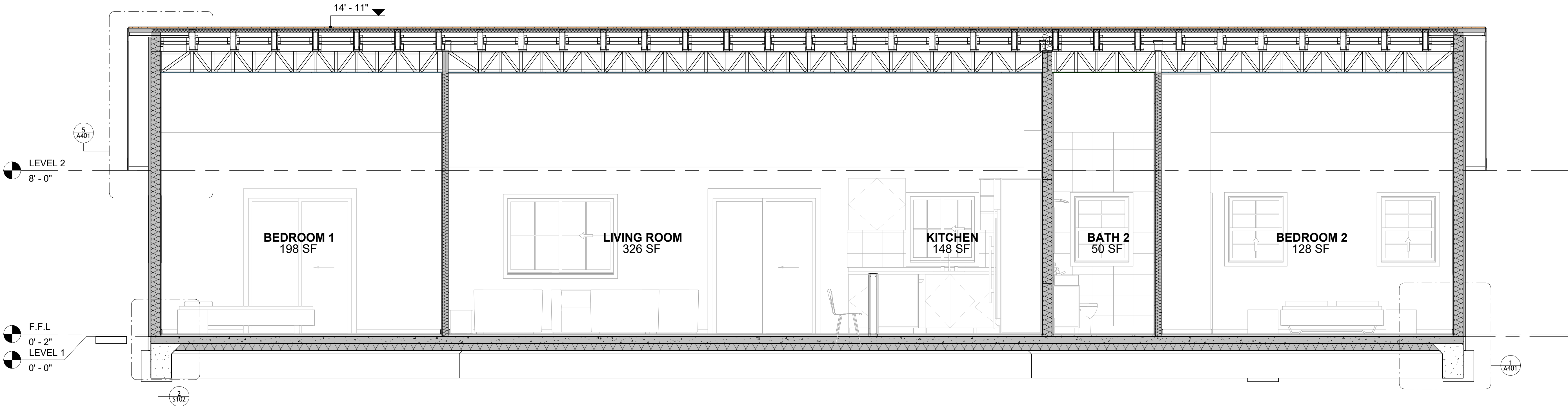
DRAWING NAME

ARCHITECTURAL SECTIONS

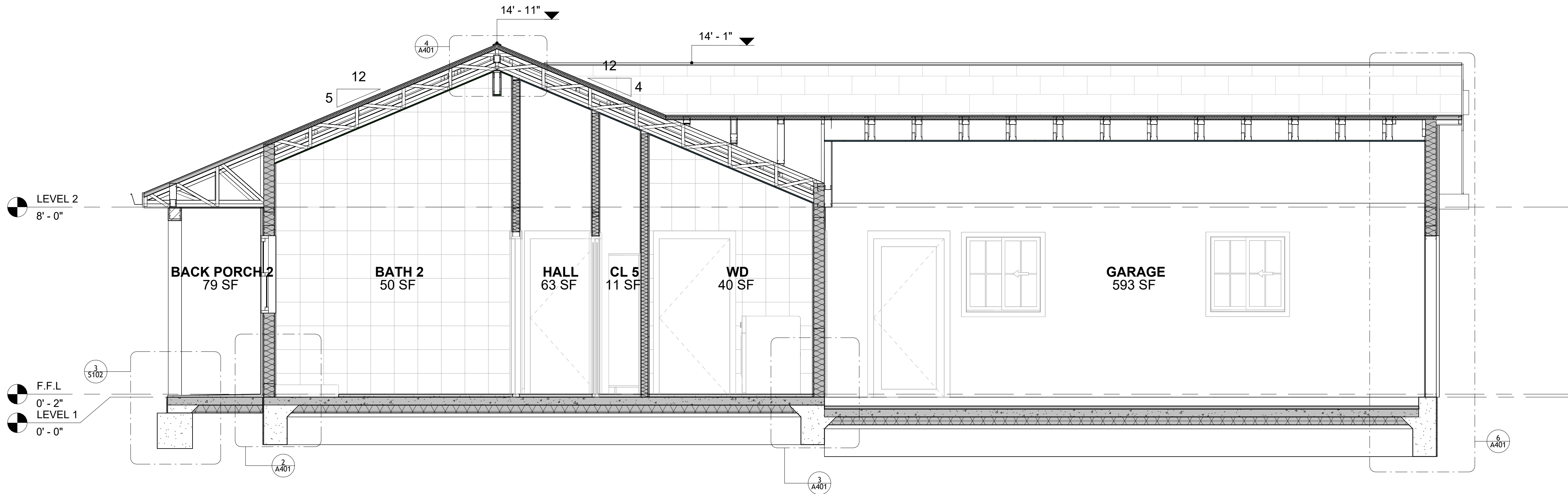
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PROJECT NUMBER:	0061_12
DATE:	5/8/2025 2:19:37 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

A301

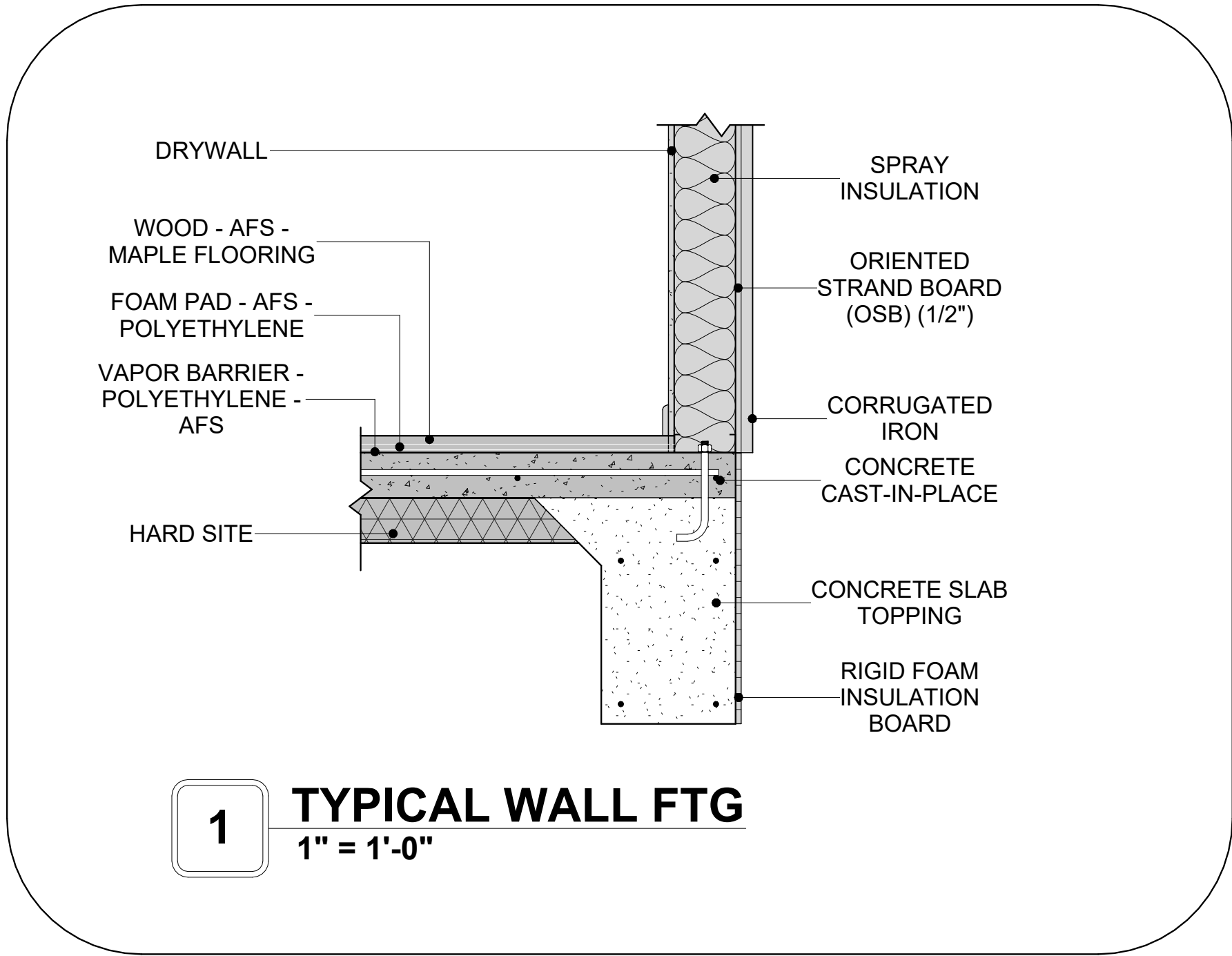
SCALE: As indicated



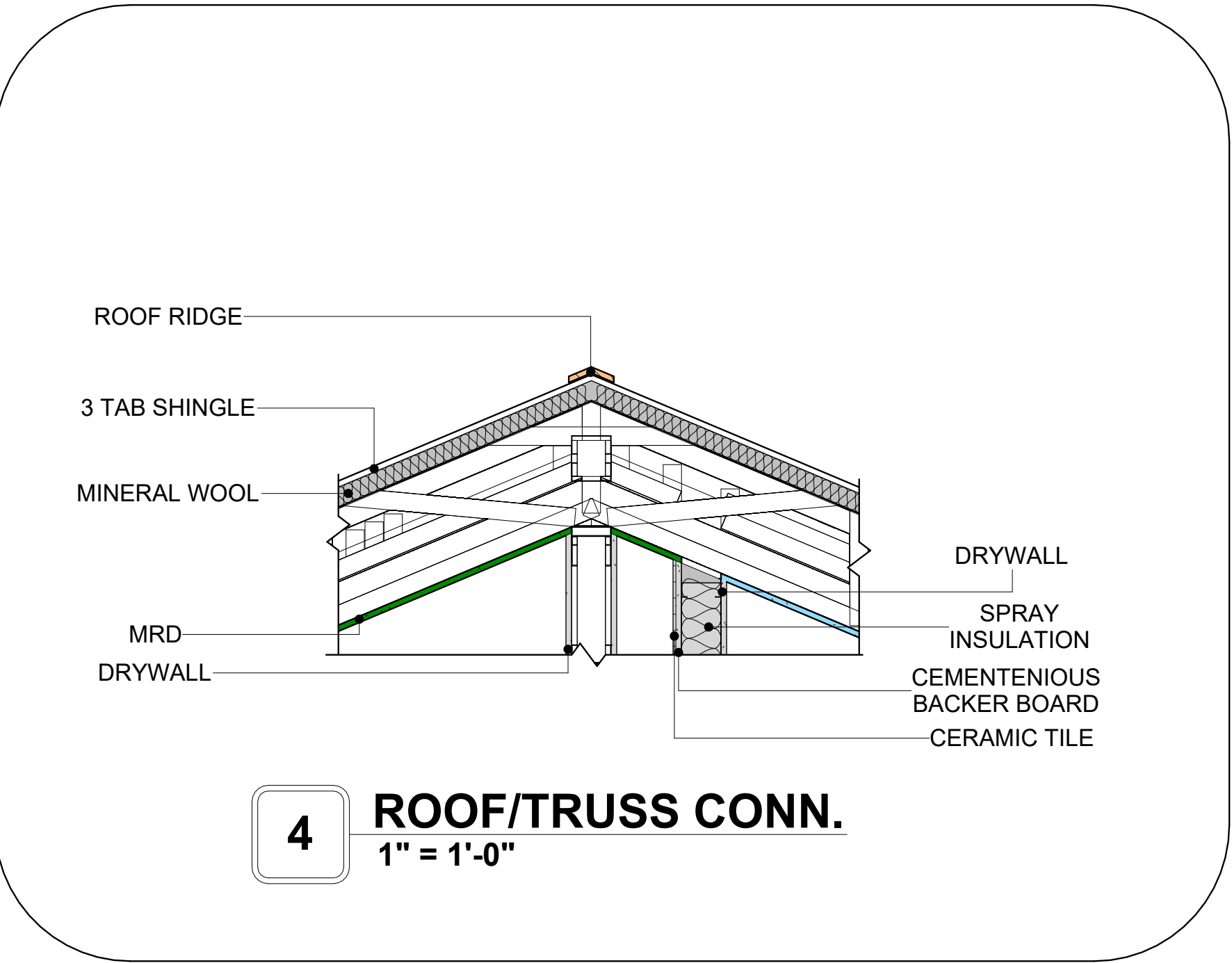
1 SECTION-1
3/8" = 1'-0"



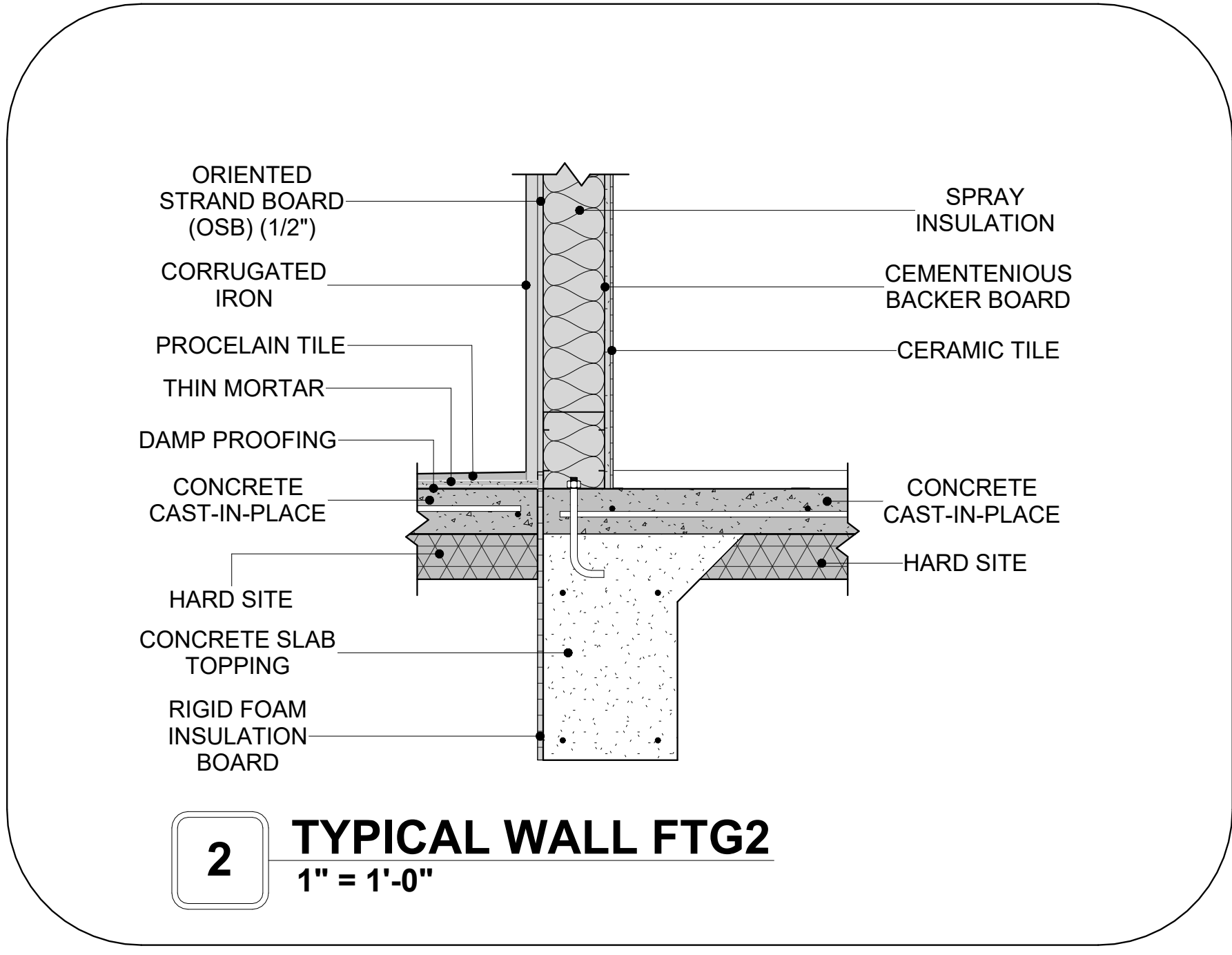
2 SECTION-2
3/8" = 1'-0"



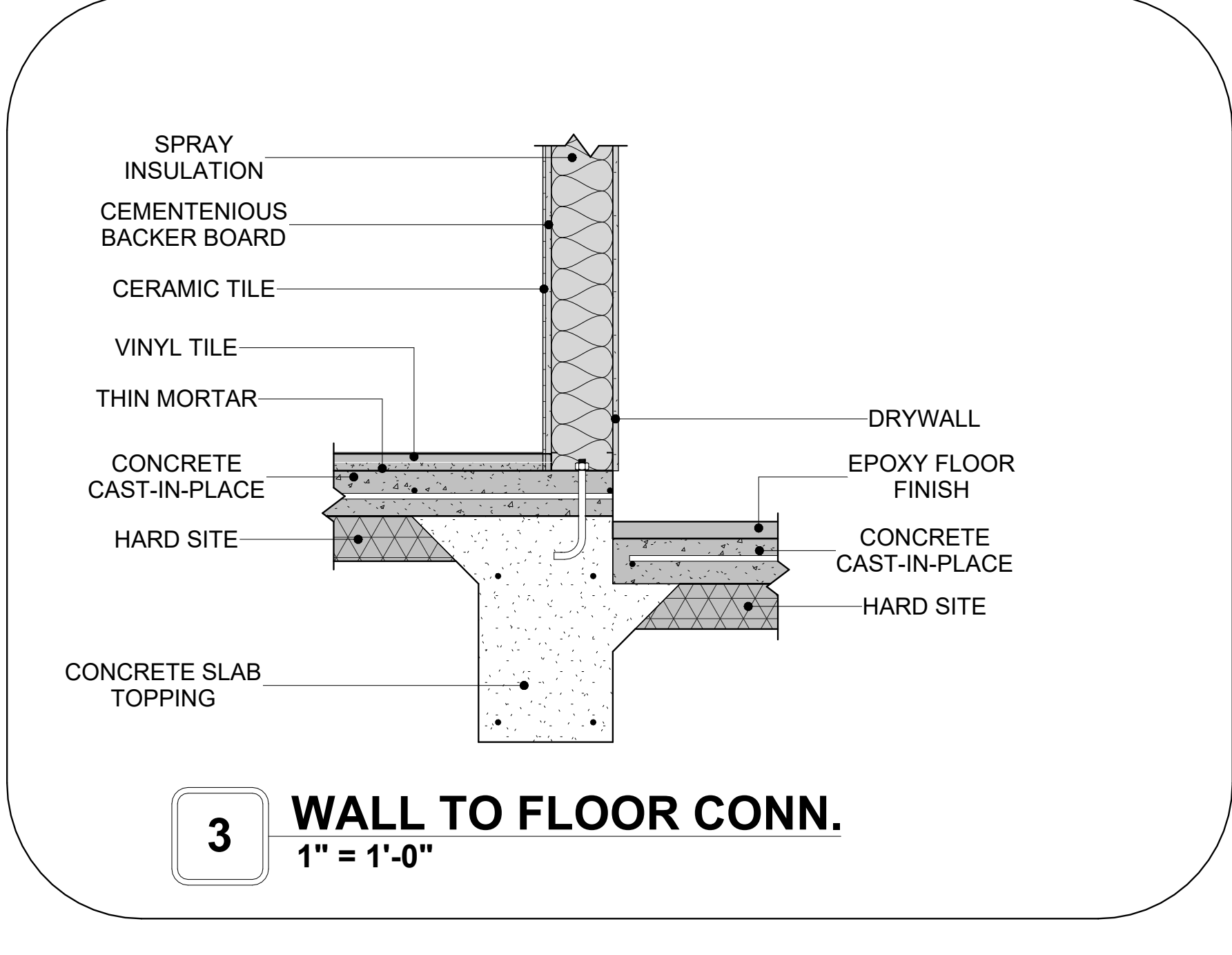
1 **TYPICAL WALL FTG**
1" = 1'-0"



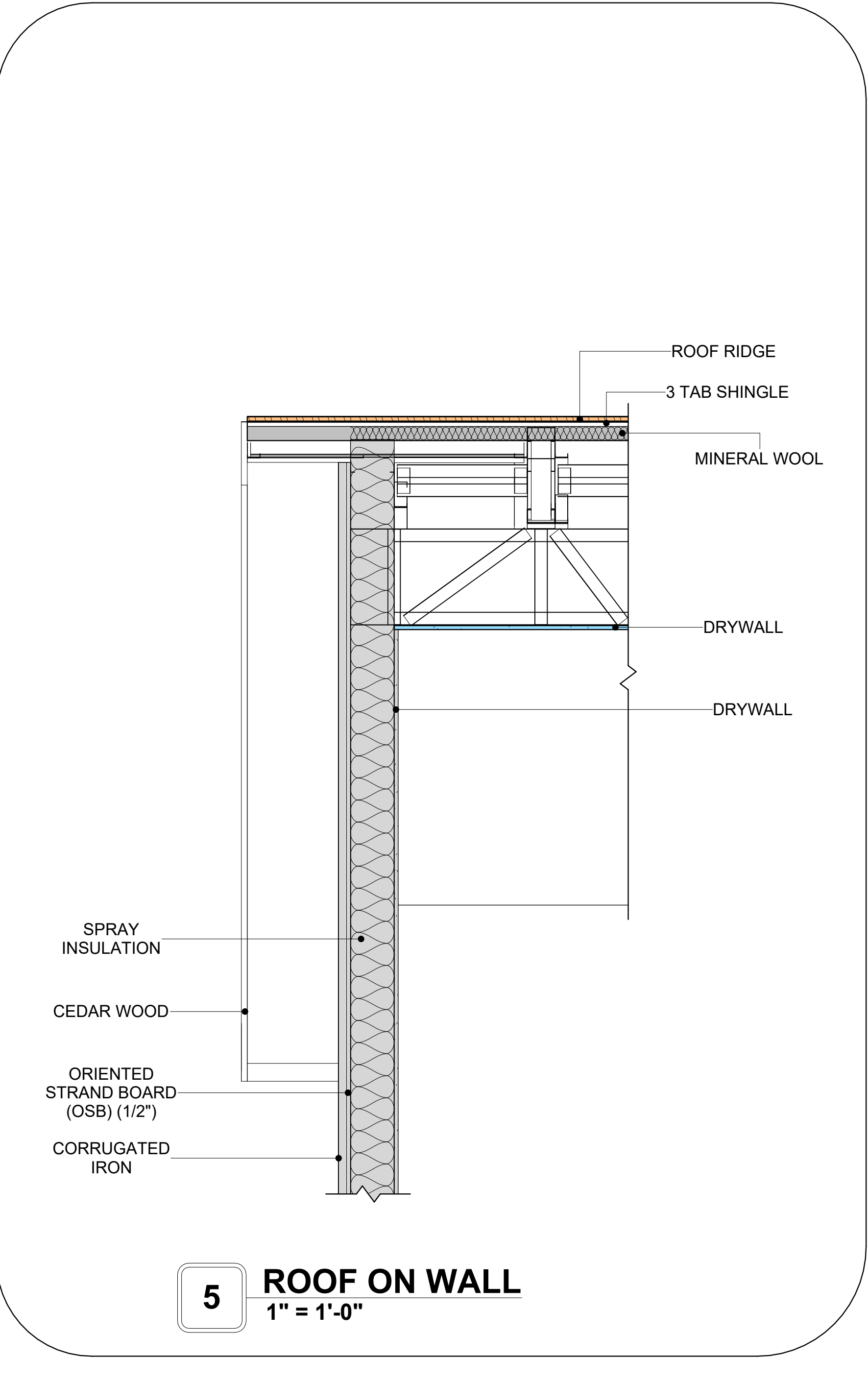
4 **ROOF/TRUSS CONN.**
1" = 1'-0"



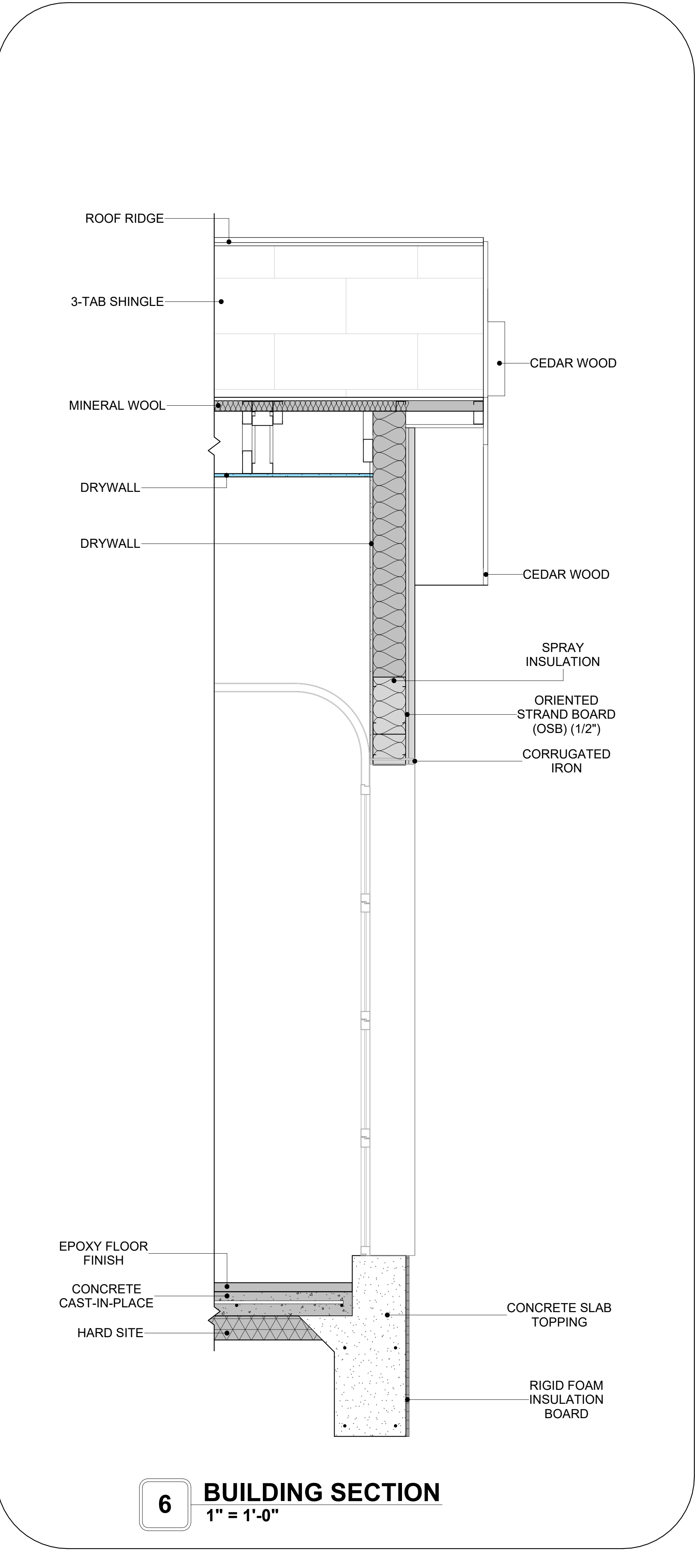
2 **TYPICAL WALL FTG2**
1" = 1'-0"



3 **WALL TO FLOOR CONN.**
1" = 1'-0"



5 **ROOF ON WALL**
1" = 1'-0"



6 **BUILDING SECTION**
1" = 1'-0"

KEY PLAN

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

246-EMBER-1650-3Bd2.5Ba
CRAFTSMAN-550

DRAWING NAME

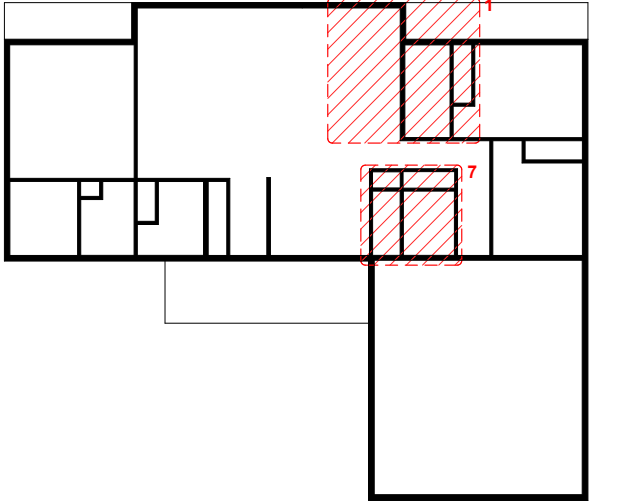
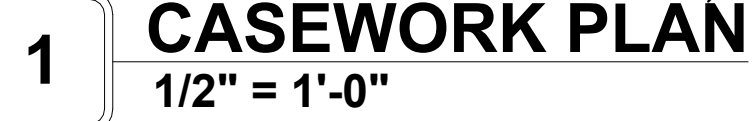
ARCHITECTURAL DETAILS

CLIENT NAME:	Client Name
PROJECT NUMBER:	0061_12
DATE:	5/8/2025 2:19:39 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

1. ALL CABINET HEIGHTS INCLUDE COUNTERTOPS. DIMENSIONS ARE TO THE NEAREST INCH.
2. DIVISIONS IN CASEWORK ARE SHOWN FOR CLARITY AND DO NOT REPRESENT BREAKS IN THE COUNTERTOP.
3. PROVIDE CONTINUOUS COUNTERTOP OVER ALL SIMILAR HEIGHT CASEWORK, UNLESS AND OTHERWISE NOTED.
4. MANUFACTURER AND CATALOG NUMBERS ARE FOR REFERENCE AND ILLUSTRATION PURPOSES ONLY.
5. DOTTED LINES INDICATE WALL HUNG CABINETS, DIVISIONS OF BASE CABINETS BELOW THE COUNTERTOP, FURNITURE NOT IN THE CONTRACT OR PROJECTION SCREENS -SEE CASEWORK KEY AND SPECIFICATIONS.
6. ALL CABINETS AND DRAWERS TO HAVE CAM LOCKS EXCEPT FOR SINK BASE CABINETS.
7. ALL EXPOSED SURFACES (EXPOSED TO VIEW FROM ANY PERSPECTIVE) TO BE COVERED WITH LAMINATE.
8. ALL CASEWORK WHICH MEETS A WALL AT ONE OR BOTH ENDS, TO BE PROVIDED WITH FILLER PANELS AND SCRIBED TO THE WALL(S) AS REQUIRED.
9. ALL CABINETS AND DRAWERS ARE PROVIDED WITH RECESSED HANDS.
10. CONTRACTOR TO FIELD VERIFY ALL CLEAR OPENINGS PRIOR TO MILLWORK OR CASEWORK FABRICATION.
12. CASEWORK DRAWINGS ARE DIAGRAMMATIC IN NATURE TO SHOW DESIGN INTENT.

TYPE		COUNT	HEIGHT	WIDTH	DEPTH	AREA
MAR	TYPE	T				
01	HD_TALL_CABINET_24	1	7'- 6"	2'- 0"	2'- 0"	15 SF
02	REFRIGERATOR TOP	1	1'- 6"	2'- 0"	2'- 4"	3 SF
03	WALL CABINET DOUBLE DOOR 211	1	2'- 6"	3'- 0"	1'- 0"	8 SF
04	LINEAR COUNTER TOP 2	1	0'- 4"	3'- 0"	2'- 1"	1 SF
05	BASE_CABINET_DOUBLE_DOOR	1	2'- 11"	3'- 0"	2'- 0"	9 SF
06	WALL FILLER	1	2'- 6"	0'- 9"	1'- 0"	2 SF
07	CLOSET	1	5'- 11"	3'- 0"	1'- 4"	18 SF
08	WALL_CABINET_L-SHAPE 3	1	2'- 6"	2'- 0"	2'- 0"	5 SF
09	WALL FILLER 2	1	2'- 6"	1'- 1"	1'- 0"	3 SF
10	HD_L-SHAPE_COUNTER_TOP W SINK HOLE 3	1	0'- 4"	4'- 6"	8'- 1"	1 SF
11	BASE CABINET DOUBLE DOOR 2	1	2'- 11"	2'- 2"	2'- 0"	6 SF
12	BASE_CABINET_L-SHAPED	1	2'- 11"	3'- 3"	3'- 3"	9 SF
13	BASE CABINET DOUBLE DOOR 2	1	2'- 11"	2'- 5"	2'- 0"	7 SF
14	BASE_CABINET_SINGLE_DOOR	1	2'- 7"	1'- 9"	2'- 0"	5 SF
15	WALL_CABINET_DOUBLE_DOOR	1	2'- 6"	2'- 10"	1'- 0"	7 SF
16	ISLAND_COUNTERTOP FLAT	1	0'- 2"	8'- 4"	3'- 6"	1 SF
17	HD_ISLAND_48X36 2	1	2'- 11"	4'- 1"	2'- 0"	12 SF
18	HD_ISLAND_48X36	1	2'- 11"	4'- 2"	2'- 0"	12 SF
19	VANITY 3	1	2'- 4"	3'- 7"	1'- 3"	8 SF
20	RECESSED_MED_CABINET 2	4	2'- 0"	1'- 6"	0'- 3"	3 SF
21	CLOSET 4	2	6'- 0"	6'- 3"	1'- 4"	37 SF
22	VANITY	1	2'- 4"	2'- 11"	1'- 8"	7 SF
23	LINEN	1	5'- 11"	5'- 7"	1'- 4"	33 SF
24	CLOSET 3	4	6'- 0"	8'- 0"	1'- 4"	48 SF
25	DOUBLE SINK VANITY	1	3'- 0"	6'- 0"	2'- 0"	18 SF
26	CLOSET 2	1	5'- 11"	2'- 0"	1'- 4"	12 SF
27	LINEN 2	1	5'- 11"	4'- 3"	1'- 4"	25 SF
28	WALL_CABINET_DOUBLE_DOOR 6	1	2'- 6"	2'- 7"	1'- 0"	7 SF
GRAND TOTAL		35				

TYPE MARK	TYPE	COUNT
01	WASHER-FRONT-LOAD	1
02	REFRIGERATOR	1
03	RANGE	1
04	DRYER-FRONT-LOAD	1
05	DISHWASHER	1
GRAND TOTAL: 5		

[illegible]

NOTE:

LEGEND:

PROJECT

246-EMBER-1650-3Bd2.5Ba
CRAFTSMAN-550

DRAWING NAME

ARCHITECTURAL CASEWORK

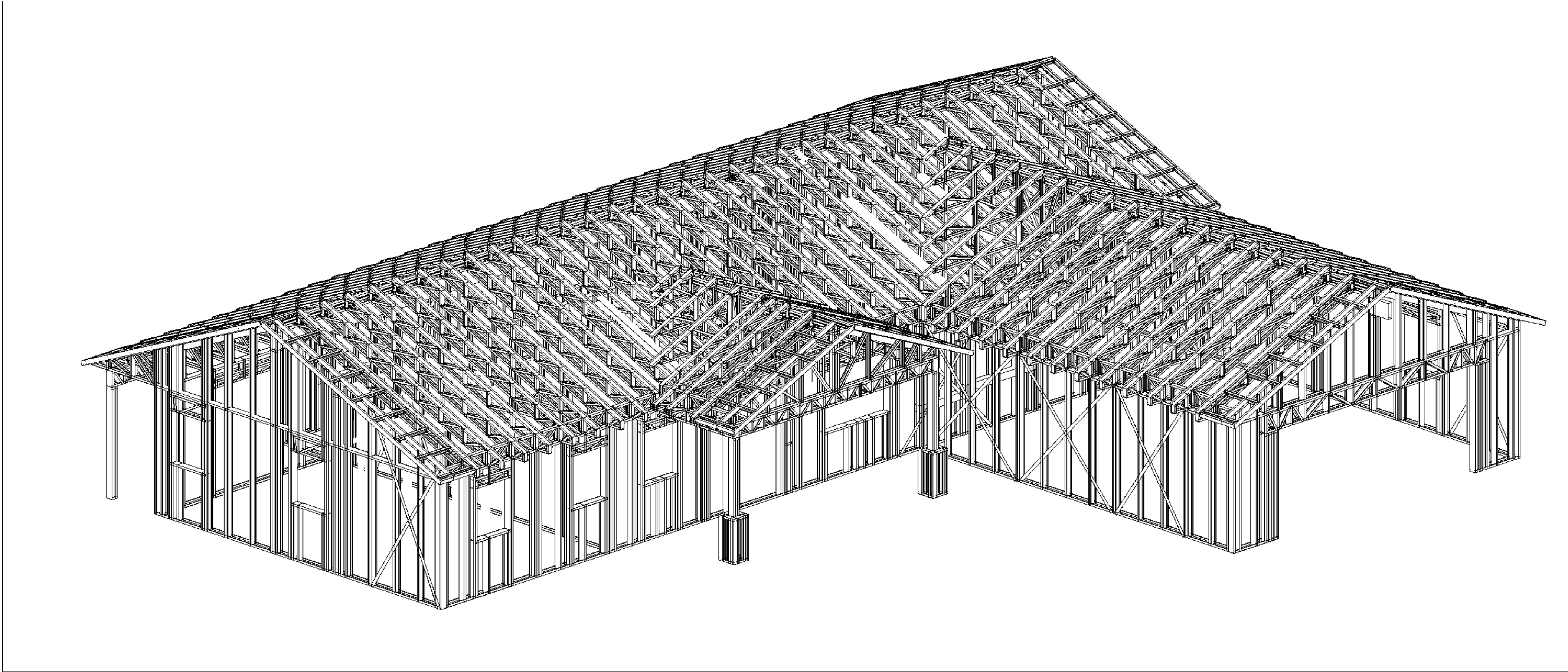
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PROJECT NUMBER:	0061_12
DATE:	5/8/2025 2:19:41 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

A402

SCALE: As indicated

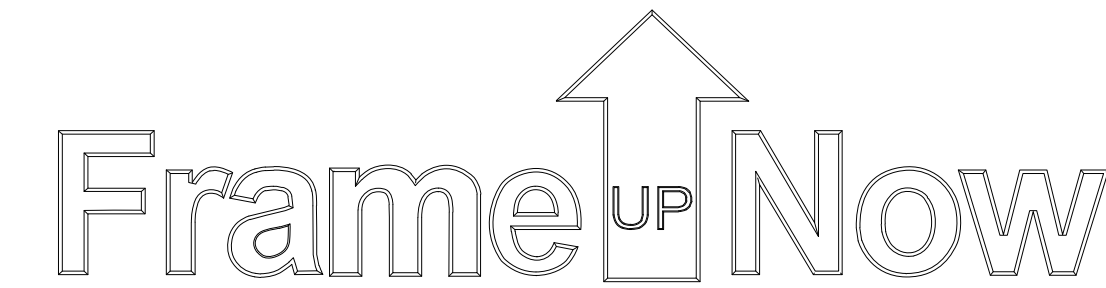
SHEET LIST	
Sheet Name	Sheet Name
CS-1	COVER SHEET
GN-1	GENERAL NOTE
S1	WALL FRAMING LAYOUT
S2	PANEL LENGTH
S3	ROOF TRUSS LAYOUT
S4	ELEVATION
S5	ELEVATION
S6	SECTIONS VIEW
S7	BRACING PLAN
S8	HOLD-DOWN PLAN
D1	DETAILS
D2	DETAILS
D3	DETAILS
S9	SHEETROCK BACKING
S10	TRUSS BLOCKING LAYOUT
S11	ROOF BRACING

SQUARE FOOTAGE		
ROOM	AREA	RM HEIGHT
FRONT PORCH	118 SF	Vaulted CLG
BACK PORCH 1	56 SF	8' CLG
BACK PORCH 2	80 SF	8' CLG
GARAGE	585 SF	Vaulted CLG
HALL 1	35 SF	Vaulted CLG
LIVING ROOM	331 SF	Vaulted CLG
CL 4	18 SF	Vaulted CLG
Mst. BEDROOM	199 SF	Vaulted CLG
W.I.C	61 SF	Vaulted CLG
LINEN 2	4 SF	Vaulted CLG
Mst. BATH	43 SF	Vaulted CLG
SHOWER	48 SF	Vaulted CLG
CL 5	9 SF	Vaulted CLG
KITCHEN	156 SF	Vaulted CLG
DINING AREA	103 SF	Vaulted CLG
HALL 2	98 SF	Vaulted CLG
LINEN 1	6 SF	Vaulted CLG
CL 3	10 SF	Vaulted CLG
LAUNDRY	40 SF	Vaulted CLG
BATH 2	22 SF	Vaulted CLG
BEDROOM 2	107 SF	Vaulted CLG
CL 2	13 SF	Vaulted CLG
BEDROOM 1	128 SF	Vaulted CLG
CL 1	13 SF	Vaulted CLG
BATH 1	51 SF	Vaulted CLG
WALL FOOTPRINT	190 SF	
TOTAL AREA	2524 Sq.ft	



ISOMETRIC VIEW

246-Ember-1650-3Bd2.5Ba-Craftsman-550



JOB DETAILS	Ember	DRAWN BA	DATE DRAWN 04-30-2025	SCALE 1/4" : 1'-0"	CS-1	JOB REFERENCE 500	REVISION
	ADDRESS						
		DWG FILE 246-Ember-1650-3Bd2.5Ba-Craftsman-550	VIEW NAME 1 of 17	ON 36 x 24		COLD FORMED STEEL SKELETON ONLY	

ABBREVIATION

AB

ANCHOR BOLT

ABV

ABOVE

AFF

ABOVE FINISHED FLOOR

ALT

ALTERNATE

APA

AMERICAN PLYWOOD

BC

BOTTOM CHORD

BLKG

BLOCKING

BLW

BELOW

BM

BEAM

BRG

BEARING

CBC

CALIFORNIA BUILDING CODE

CL

CENTERLINE

CLR

CLEAR

CMU

CONCRETE MASONRY UNIT

CON

CONCRETE

CONT

CONTINUOUS

DBL

DOUBLE

DF

DOUGLAS FIR LARCH

APA

DIAMETER

DIST

DISTANCE

DL

DEAD LOAD

(E)

EXISTING

EA

EACH

SHTG

SHEATHING

EN

ELEVATION

EQ

EQUAL

FTG

FOOTING

GA

GAUGE

GAL

GALVANIZED

GLB

GLUE-LAMINATED BEAM

_HD

HOLDOWN

HDR

HEADER

HORIZ

HORIZONTAL

HS

HIGH STRENGTH

HSS

HOLLOW STRUCTURAL SECTION

IBC

INTERNATIONAL BUILDING CODE

ICC

INTERNATIONAL CODE COUNCIL

LL

LIVE LOAD

LSL

LAMINATED STRAND VENEER

LVL

LAMINATED VENEER LUMBER

MFR

MANUFACTURER

MAX

MAXIMUM

MB

MACHINE BOLT

MIN

MINIMUM

(N)

NEW

NHR

NO HCLDOENS REQUIRED

DL

NOT TO SCALE

O/

OVER

ON

CENTER

OSB

ORIENTED STRAND BOARD

PERF

PERFORATED

PER

PERPENDICULAR

PL

PLATE

PLF

POUNDS PER LINEAL FOOT

PAL

POUNDS PER SQUARE FOOT

PSI

POUNDS PER SQUARE INCH

PSL

PARALLEL STRAND LUMBER

PT

PRESSURE TREATED (WOOD)

PT

POST TENSIONED (CONCRETE)

REINF

REINFORCING

REQO

REQUIRED

SAD

SEE ARCHITECTURAL DRAWINGS

ICC

STRUCTURAL COMPOSITE LUMBER

STD

STANDARD

SOG

SLAB ON GRADE

SPEC

SPECIFICATION

SQ

SQUARE

STD

STANDARD

SW

SHEAR WALL

TAB

TOP AND BOTTOM

TC

TOP CHORD

TS

TUBE STEEL

TYP

TYPICAL

UNO

UNLESS NOTED OTHERWISE

VERT

VERTICAL

W

W SHAPE STEEL

WTS

WELDED-THREADED STUD

@

AT

&

AND

INCH

INCH

DITTO

DITTO

#

NUMBER

Ø

DIAMETER

°

DEGREE

(N)

NEW

(E)

EXISTING

⊥

PERPENDICULAR

||

PARALLEL

LC

CENTER LINE

GENERAL NOTES

MEMBER DEPTH
(IN 1/100 in.)

THICKNESS IN mils
(IN 1/1000 in.)

FLANGE WIDTH
(IN 1/100 in.)

STYLE:
S=STUD OR JOIST SECTION
T=TRACK SECTIONS
U=CHANNEL SECTIONS
F=FURRING CHANNELS SECTIONS

400 S 162-54

MINIMUM DELIVERABLE THICKNESS (MILS)

GAUGE

DESIGN THICKNESS (INCHES)

18

25

.0188

27

22

.0283

33

20

.0346

43

18

.0451

54

16

.0566

67

14

.0713

98

12

.1017

1

TYPICAL LIGHT GAUGE STUD DESIGNATIONS

EXTERIOR WALL - BEARING & NON BEARING

STUD SECTION

SPACING

550S162-33

2' 0"

INTERIOR WALL - NON BEARING

STUD SECTION

SPACING

350S162-33

2' 0"

550S162-33

2' 0"

LINTEL MATERIAL

STUD SECTION

SPACING

350S162-33

2' 0"

FLOOR AND BEAM

STUD SECTION

SPACING

350S162-43

2' 0"

TRUSS

STUD SECTION

SPACING

350S162-33

2' 0"

TRUSS STRAP

STUD SECTION

SPACING

350S162-43

2' 0"

2

TYPICAL LIGHT GAUGE MATERIALS

JOB DETAILS

Ember

ADDRESS

DRAWN

BA

DWG FILE

246-Ember-1650-3Bd2.5Ba-Craftsman-550

DESIGN CRITERIA

RISK CATEGORY:

WIND DESIGN

BASIC WIND SPEED (V): 95 MPH

WIND IMPORTANCE FACTOR (IW): 1.0

WIND EXPOSURE CATEGORY:

DESIGN WIND PRESSURE:

SEISMIC DESIGN

SEISMIC IMPORTANCE FACTOR (Ie):

SPECTRAL RESPONSE COEFFICIENT (S1):

SPECTRAL RESPONSE COEFFICIENT (SDS):

SEISMIC RESPONSE COEFFICIENT (CS):

SEISMIC FORCE RESISTING SYSTEM:

RESPONSE MODIFICATION FACTOR (R):

ANALYSIS PROCEDURE:

SEISMIC DESIGN CATEGORY:

MAPPED SPECRAL RESPONSE ACCELERATION (Ss)

SITE CLASS:

OCCUPANCY CATEGORY:

ELASTIC FUNDAMENTAL PEROPD (T)

SITE COEFFICIENT (Fa):

LONG PERIOD SITE COEFFICIENT (Fv)

SOIL PROPERTIES

ALLOWABLE SOIL BEARING PRESSURE:

LATERAL BEARING PRESSURE:

COEFFICIENT OF FRICTION (O)

FLOOR LOADS

FLOOR LIVE LOAD: 40 PSF

DEAD LOAD: 15 PSF

SNOW LOADS

SNOW LIVE LOAD < 5° = 60 psf, >5° = 60 psf x Roof slope factor

EARTHQUAKE SUMMARY

DESIGN CODE

FOUNDATION TYPE

STRUCTURAL RESPONSE

0.2s SPECTRAL RESPONSE

FUNDAMENTAL PERIOD

SEISMIC WEIGHT

BASE SHEAR FORCE

SEISMIC STOREY SHEAR FORCE

OVERSTREANGTH FACTOR

TABLE R301.2 (1) CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA:

GROUND SNOW LOAD: 60

ROOF LIVE LOAD: 20

ROOF DEAD LOAD: 20

WIND SPEED: W95

WIND TOPOGRAPHIC EFFECTS:

SPECIAL WIND REGION:

WIND BORNE DEBRIS ZONE:

SEISMIC DESIGN CATEGORY:

WEATHERING:

FROST LINE DEPTH:

TERMITE:

WINTER DESIGN TEMP:

ICE BARRIER UNDERLAYMENT REQUIRED:

FLOOD HAZARDS:

AIR FREEZING INDEX:

MEAN ANNUAL TEMP:

CODE REVIEW

BUILDING CODE: 2021 IBC AISI S100-20 LRFD IBC

* All fields to be filled by site specific engineer

SOFFIT LEGEND

EXTENT OF SOFFIT

FRAMING HEIGHT ABOVE FINISH FLOOR

8'-0"

EXTENT OF SHELF

FRAMING HEIGHT ABOVE FINISH FLOOR

9'-1"

EXTENT OF SOFFIT

FRAMING HEIGHT ABOVE FINISH FLOOR

8'-0"

FRAMING HEIGHT ABOVE FINISH FLOOR

8'-0"

TOP OF ARCH @ FRAMING

8'-0"

CROSS HATCHING INDICATES ARCHED SOFFIT

SYMBOL LEGEND

DETAIL NUMBER

SHEET NUMBER

SECTION NUMBER

SHEET NUMBER

ELEVATION NUMBER

SHEET NUMBER

REVISION NUMBER

CEILING SLOPE

HEIGHT OF CEILING A.F.F.

FLOORING MATERIAL

DETAIL CALL OUT

SECTION CALL OUT

INTERIOR ELEVATION CALL OUT

REVISION CALL OUT

CEILING TRANSITION

FLOORING TRANSITION

JOB DETAILS

Ember

ADDRESS

DRAWN

BA

DWG FILE

246-Ember-1650-3Bd2.5Ba-Craftsman-550

DATE DRAWN

04-30-2025

VIEW NAME

2 of 17

SCALE

1/4" : 1'-0"

ON

36 x 24

GN-1

JOB REFERENCE

500

REVISION

COLD FORMED STEEL SKELETON ONLY

Design Summary	
Floor Type	Concrete
Roof Load	Auto
System	FC_FrameUpNow
Wind Load	W95

Panel Accessories	
FRAMECAD 10g-19mm HWH Hex	908
FRAMECAD 10g-19mm XDrive	584
50mm Flat Washer	246
FRAMECAD Hold Down Fix	25
Grommet	245
TITAN THD10X80	270
TITAN THD12X110	1

Panel Summary		
Load bearing walls	69	309'-10"
Non load bearing walls	36	170'-7 5/8"
Support beams	13	181'-5 1/8"

Beam Summary				
B106	Webbed Beam	(TOB 8'-0")	1	14'-5 1/2"
B107	Webbed Beam	(TOB 13'-8 7/8")	1	14'-3 3/4"
B108	Webbed Beam	(TOB 13'-8 7/8")	1	29'-3 1/2"
B109	Webbed Beam	(TOB 13'-8 7/8")	1	5'-4 3/4"
B110	Webbed Beam	(TOB 13'-8 7/8")	1	14'-10"
B111	Webbed Beam	(TOB 8'-0")	1	9'-8 3/4"
B112	Webbed Beam	(TOB 8'-0")	1	10'-8 3/4"
B113	Webbed Beam	(TOB 12'-10 7/8")	1	27'-1"
B114	Webbed Beam	(TOB 8'-0")	1	18'-4 1/2"
B115	Webbed Beam	(TOB 8'-6")	1	6'-8 1/4"
B116	Webbed Beam	(TOB 8'-6")	1	16'-1 1/2"
B117	Webbed Beam	(TOB 8'-6")	1	6'-8 1/4"
B118	Webbed Beam	(TOB 11'-11 7/8")	1	7'-8 1/2"

Opening Summary			
	Height	Width	Qty
UD	6'-9 1/2"	3'-7"	1
UD	6'-9 1/2"	3'-8"	1
UD	6'-9 1/2"	4'-1 1/2"	1
UD	6'-9 1/2"	5'-3"	2
UD	6'-9 1/2"	5'-5 1/2"	1
UD	6'-9 1/2"	5'-9 1/2"	2
UD	6'-9 1/2"	1'-9 1/2"	1
UD	6'-9 1/2"	2'-9 1/2"	1
UD	6'-11 1/2"	3'-5"	8
UD	6'-11 1/2"	2'-9 1/2"	1
UD	6'-11 1/2"	2'-11"	1
UD	6'-11 1/2"	3'-1 1/2"	1
UD	7'-0"	5'-5"	1
UW	3'-9"	5'-3"	4
UW	3'-3"	2'-9"	8
UW	3'-3"	3'-3"	3

LEGEND

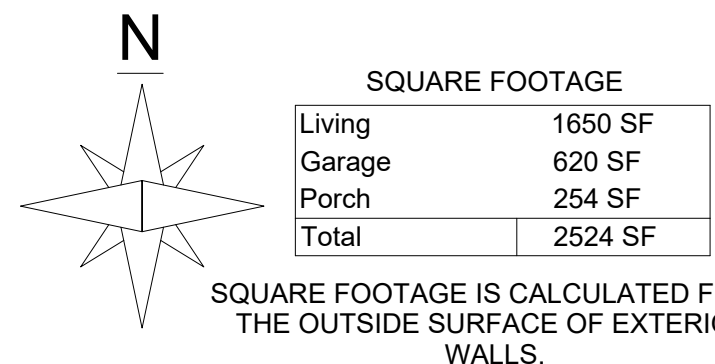
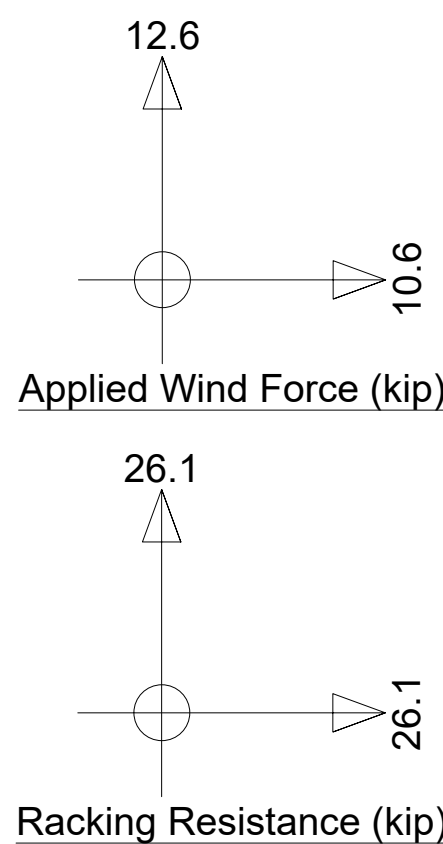
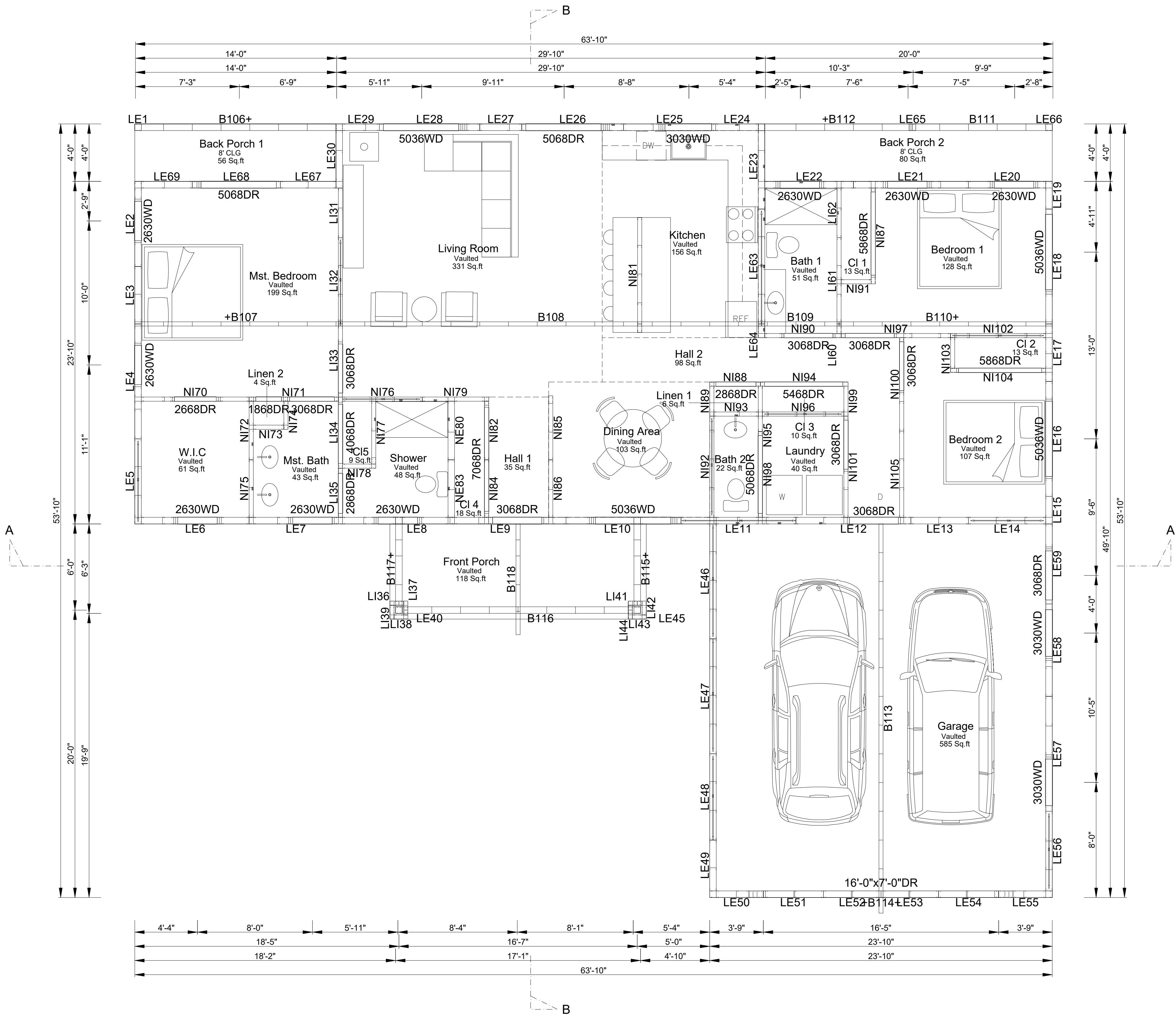
LE	Load Bearing External Wall
LI	Load Bearing Internal Wall
NE	Non Load Bearing External Wall
NI	Non Load Bearing Internal Wall
B	Beam
CB	Claded Beam
GB	Glulam Beam

550S 33mil 50ksi	
Single Absolute Stud	Back to Back Stud

350S 33mil 50ksi	
Single Absolute Stud	Back to Back Stud

550S 43mil 50ksi	
Single Absolute Stud	Back to Back Stud

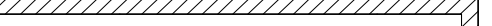
350S 43mil 50ksi	
Single Absolute Stud	Back to Back Stud



Frame Layout

Scale- 1/4": 1'-0"



JOB DETAILS	Ember	DRAWN	DATE DRAWN	SCALE		JOB REFERENCE	REVISION
ADDRESS		BA	04-30-2025	1/4" : 1'-0"		500	
		DWG FILE	VIEW NAME	ON		COLD FORMED STEEL SKELETON ONLY	
		246-Ember-1650-3Bd2.5Ba-Craftsman-550	3 of 17	36 x 24			

LE	Load Bearing External Wall
LI	Load Bearing Internal Wall
NE	Non Load Bearing External Wall
NI	Non Load Bearing Internal Wall
B	Beam
CB	Cladged Beam
GB	Glulam Beam



QUARE FOOTAGE IS CALCULATED FROM THE OUTSIDE SURFACE OF EXTERIOR WALLS.

Truss Design Summary	
System Name	FC_FrameUpNow
Design Code	AISI S100-20 LRFD
Loading Code	IBC 2021 LRFD
Roof Load	TILE
Wind Speed	W95
Snow Load	60.0
Roof Pitch	22.620
BC Restraints	2'-0"

Truss Accessories		
FRAMECAD Batten 22	87	16'-0"
FRAMECAD Batten 22	115	20'-4"
FRAMECAD 10g-19mm HWH Hex	5040	
FRAMECAD Multi Fix	50	
FRAMECAD Tri Fix	137	

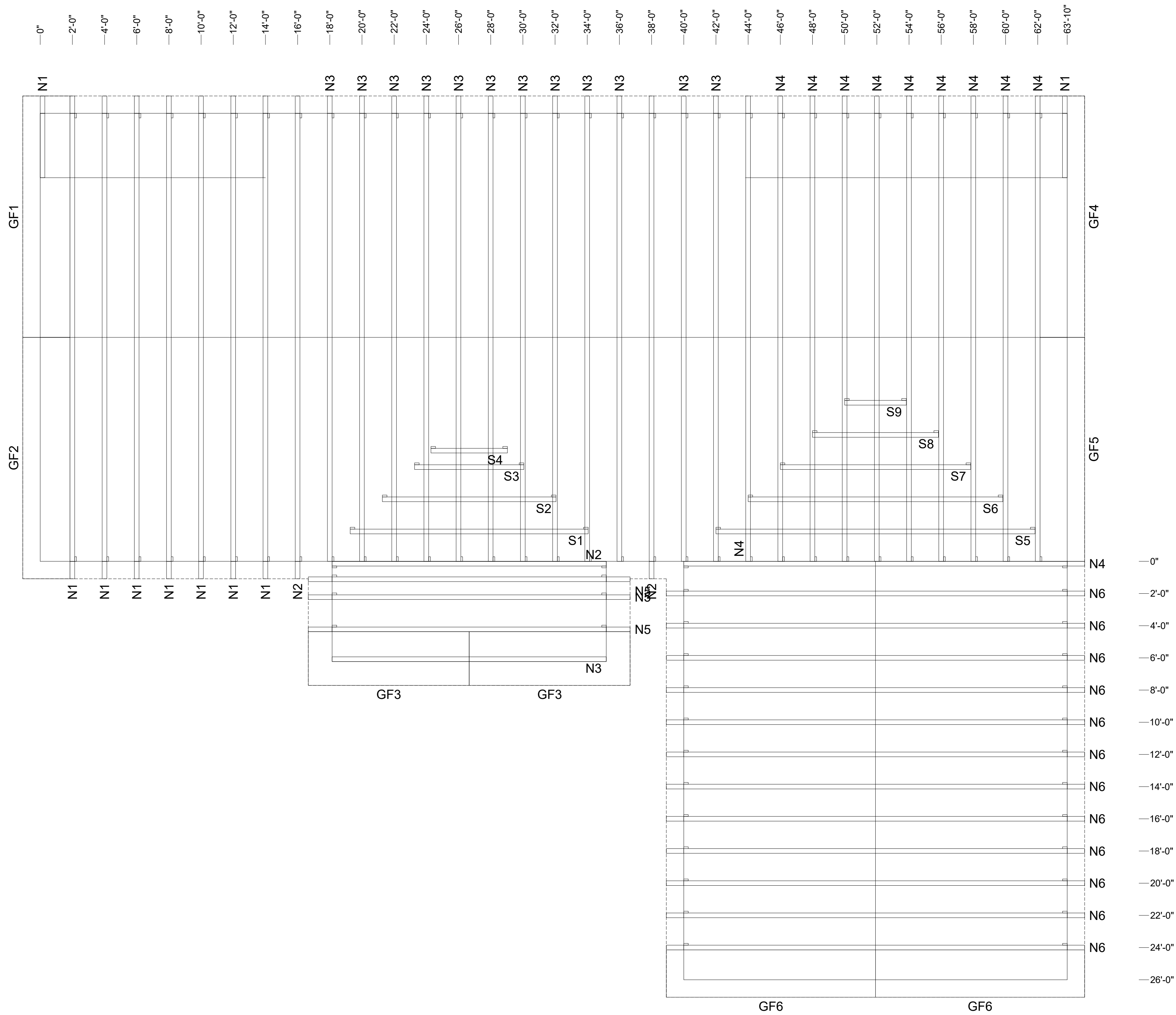
Truss Summary		
Gable Frame	8	104'-11"
Saddle Truss	9	96'-3"
Standard Truss	51	1265'-11"

LEGEND

G	Gable Truss
GI	Girder Truss
GF	Gable Frame
HG	Half Gable Truss
HA	Half Girder Truss
PC	Parallel Truss
T	Truncated Truss
S1	Sadel Truss
U	User Truss
V	Rafter

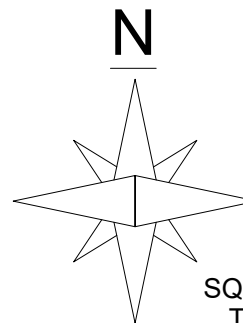
Roof Design Load

Roof Live Load(psf)	20
Roof Dead load(psf)	19.4
Celling Dead load(psf)	3
Design Point Load(kip)	0.25
Snow Live Load	<5° = 21 psf
	>5° = 21 psf x slope factor of the Roof



Roof Truss Layout

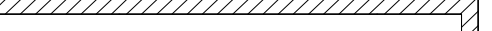
Scale- 1/4": 1'-0"

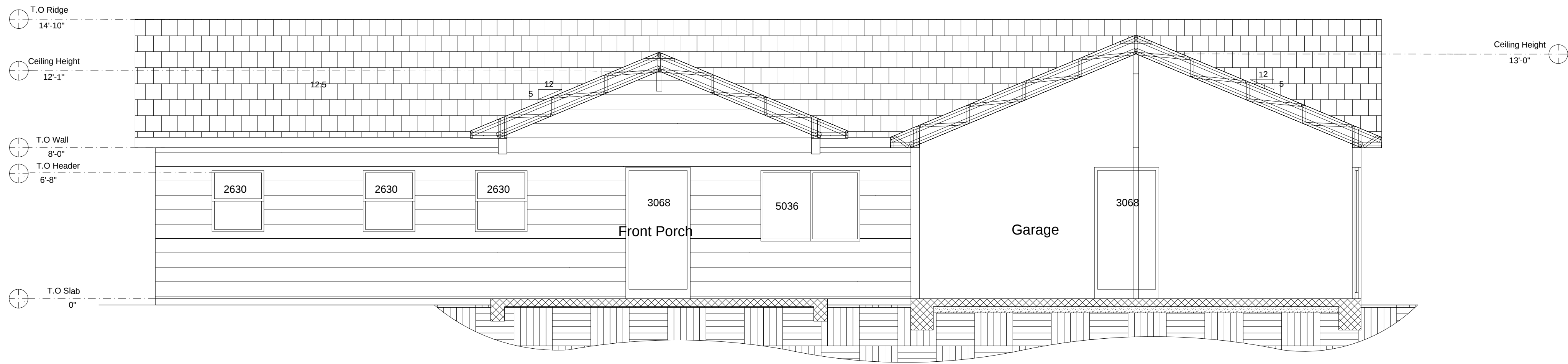


SQUARE FOOTAGE	
Living	1650 SF
Garage	620 SF
Porch	254 SF
Total	2524 SF

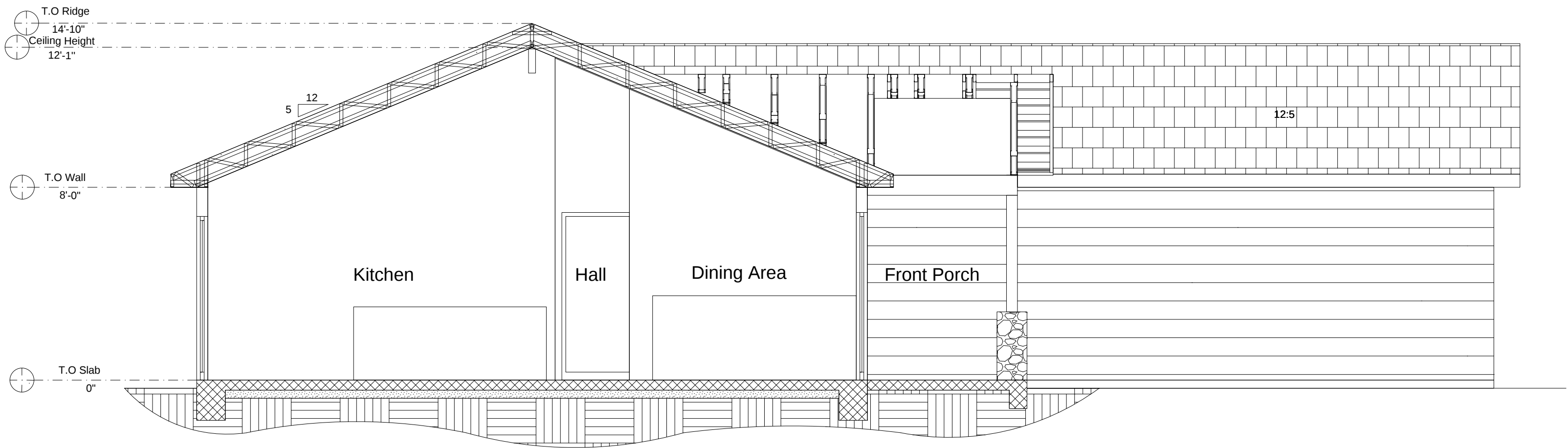
SQUARE FOOTAGE IS CALCULATED FROM
THE OUTSIDE SURFACE OF EXTERIOR
WALLS.



JOB DETAILS	Ember	DRAWN	DATE DRAWN	SCALE		JOB REFERENCE	REVISION
		BA	04-30-2025	1/4" : 1'-0"		500	
ADDRESS		DWG FILE	VIEW NAME	ON		COLD FORMED STEEL SKELETON ONLY	
		246-Ember-1650-3Bd2.5Ba-Craftsman-550	5 of 17	36 x 24			



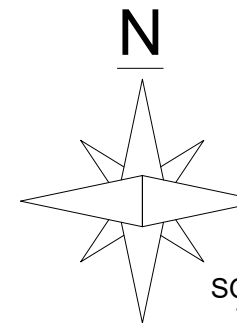
Section A-A



Section B-B

Section View

Scale- 1/4" : 1'-0"



SQUARE FOOTAGE	
Living	1650 SF
Garage	620 SF
Porch	254 SF
Total	2524 SF

SQUARE FOOTAGE IS CALCULATED FROM THE OUTSIDE SURFACE OF EXTERIOR WALLS.

JOB DETAILS

Ember

ADDRESS

DRAWN

BA

DWG FILE

246-Ember-1650-3Bd2.5Ba-Craftsman-550

DATE DRAWN

04-30-2025

VIEW NAME

8 of 17

SCALE

1/4" : 1'-0"

ON

36 x 24

S6

JOB REFERENCE

500

COLD FORMED STEEL SKELETON ONLY

REVISION



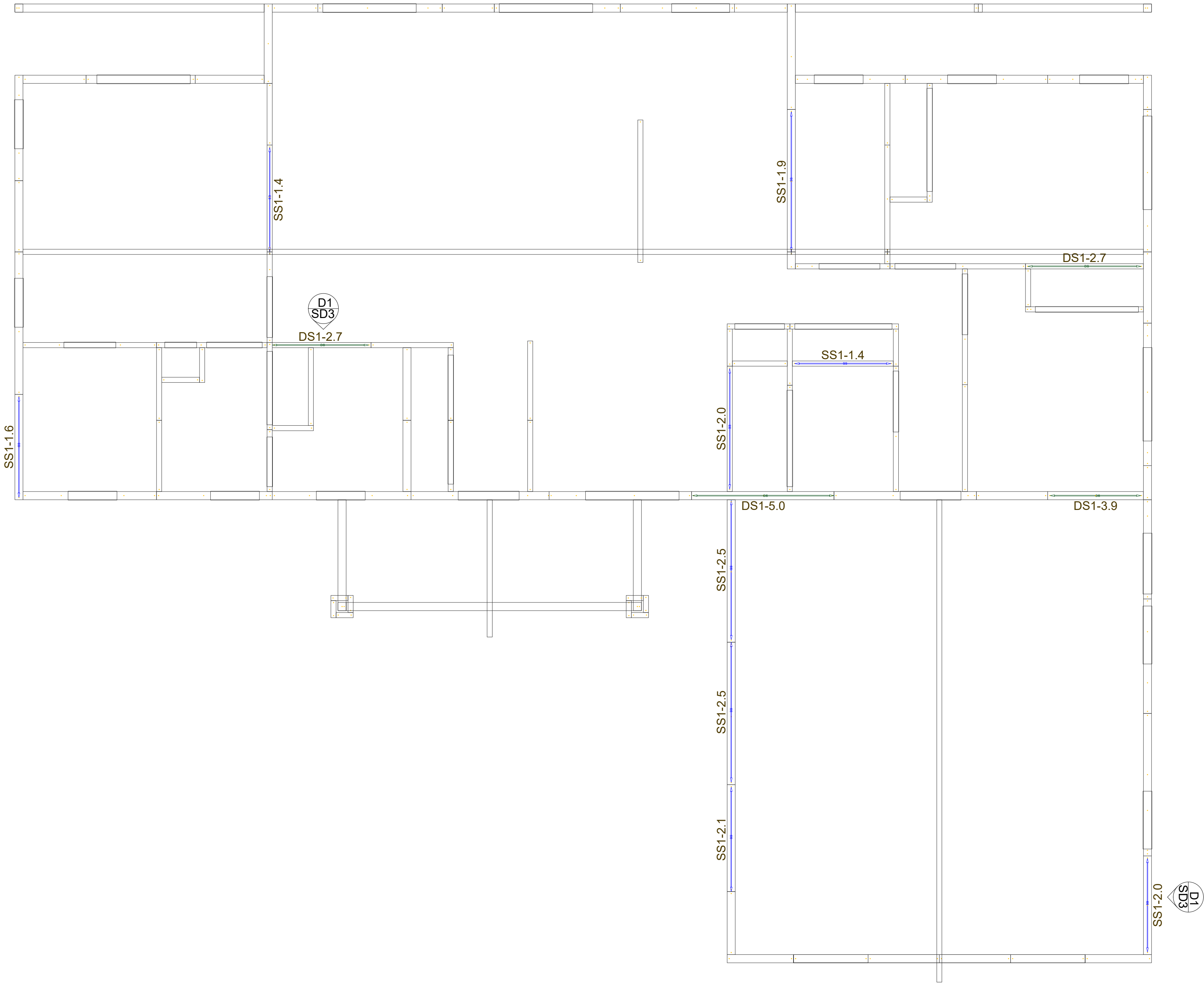
Bracing Summary (kip)	
Brace Engineering:	Strength Method
Loading Code:	IBC 2021 LRFD
Wind Force 'X'	10.600
Wind Force 'Y'	12.600
Shortage 'X'	0.000
Shortage 'Y'	0.000
Resistance 'X'	26.100
Resistance 'Y'	26.100
Max Spacing 'X'	656'-2"
Max Spacing 'Y'	660'-4 13/16"

Earthquake Summary	
Design Code	IBC 2021
Foundation Type	C
Structural Response	4
0.2s Spectral Response	50
Fundamental Period	0.160 s
Seismic Weight	136.254 kip
Base Shear Force	14.613 kip
Seismic Storey Shear Force	14.613 kip
Overstrength Factor	3

Bracing Makeup (kip)	
Brace Resistance 'X'	15.700
Brace Resistance 'Y'	16.000
Sheath Resistance 'X'	10.400
Sheath Resistance 'Y'	10.100
P/Board Resistance 'X'	0.000
P/Board Resistance 'Y'	0.000
Cladding Resistance 'X'	0.000
Cladding Resistance 'Y'	0.000

LEGEND

- Single Strap Bracing
- Double Strap Bracing
- Racking Resistace
- Brace Material Type



Bracing Plan

Scale- 1/4": 1'-0"

Bracing Types	
DS1	Double 250-43-50 Strap 10g-
SS1	Single 250-33-50 Strap 10g-

JOB DETAILS

Ember

ADDRESS

DRAWN

BA

DWG FILE

246-Ember-1650-3Bd2.5Ba-Craftsman-550

DATE DRAWN

04-30-2025

VIEW NAME

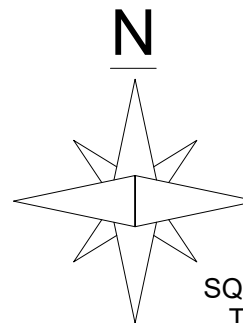
9 of 17

SCALE

1/4" : 1'-0"

ON

36 x 24



SQUARE FOOTAGE	
Living	1650 SF
Garage	620 SF
Porch	254 SF
Total	2524 SF

SQUARE FOOTAGE IS CALCULATED FROM THE OUTSIDE SURFACE OF EXTERIOR WALLS.

JOB REFERENCE

500

COLD FORMED STEEL SKELETON ONLY

REVISION



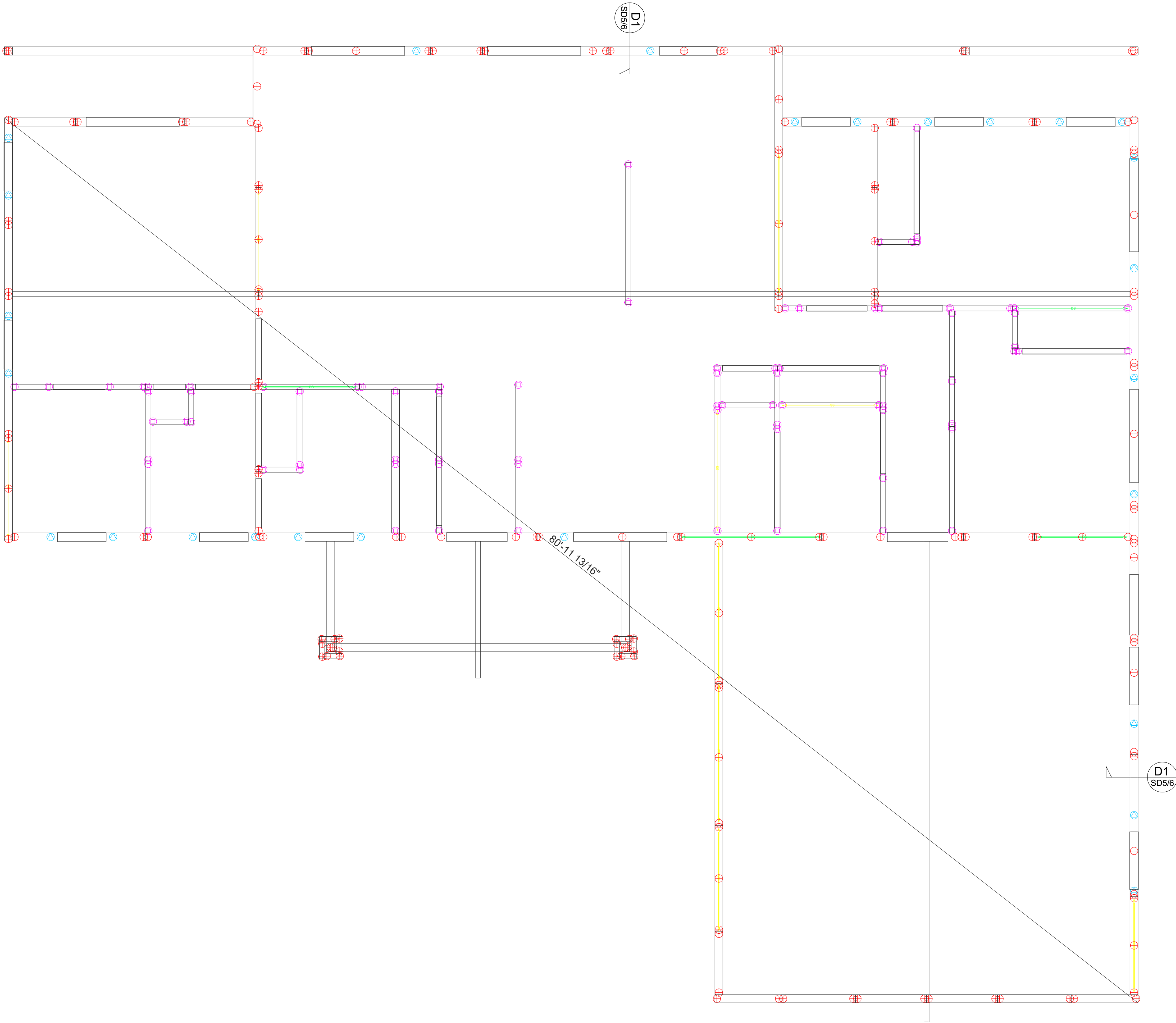
S7

LEGEND

- Titan Bolt with MSSC4 Connector
For Load Bearing Wall
- Titan THD10x80
- Shot Pins with Washer
For Non-Load Bearing Wall

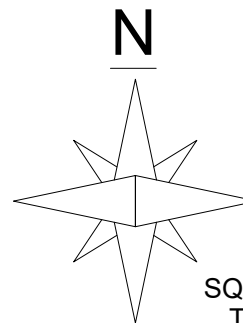
- Single Strap Bracing
- Double Strap Bracing
- SS1-2.0 Racking Resistace
- Brace Material Type

Bracing Types	
SS1	Single 250-33-50 Strap 10g-
DS1	Double 250-33-50 Strap 10g-



Hold-down Plan

Scale- 1/4" = 1'-0"



SQUARE FOOTAGE	
Living	1650 SF
Garage	620 SF
Porch	254 SF
Total	2524 SF

SQUARE FOOTAGE IS CALCULATED FROM THE OUTSIDE SURFACE OF EXTERIOR WALLS.

JOB DETAILS

Ember

ADDRESS

DRAWN

BA

DWG FILE

246-Ember-1650-3Bd2.5Ba-Craftsman-550

DATE DRAWN

04-30-2025

VIEW NAME

10 of 17

SCALE

1/4" : 1'-0"

ON

36 x 24

S8

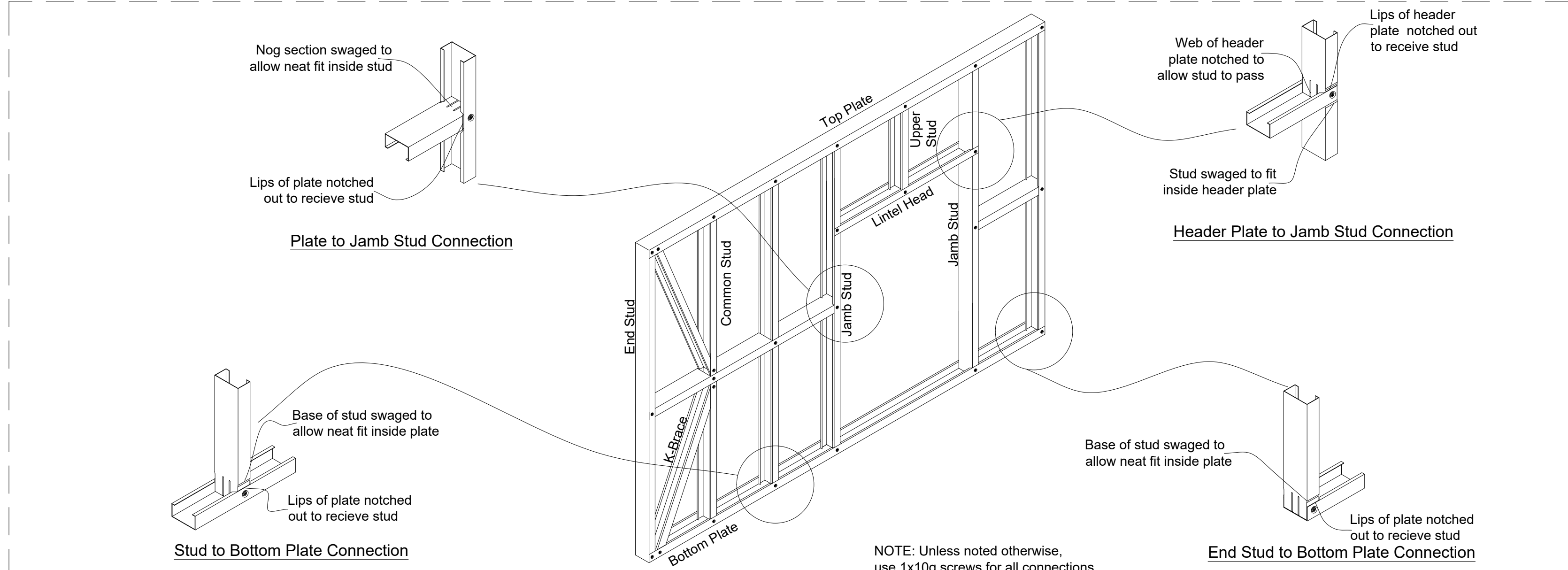
JOB REFERENCE

500

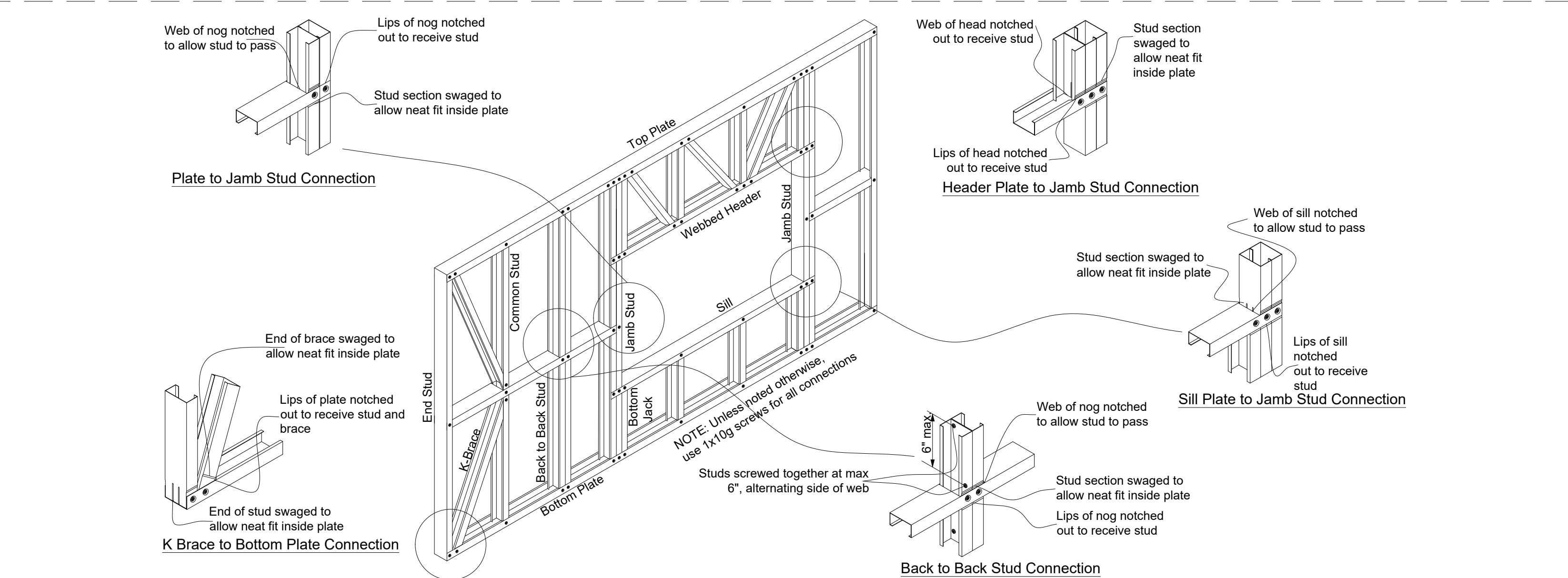
COLD FORMED STEEL SKELETON ONLY

REVISION

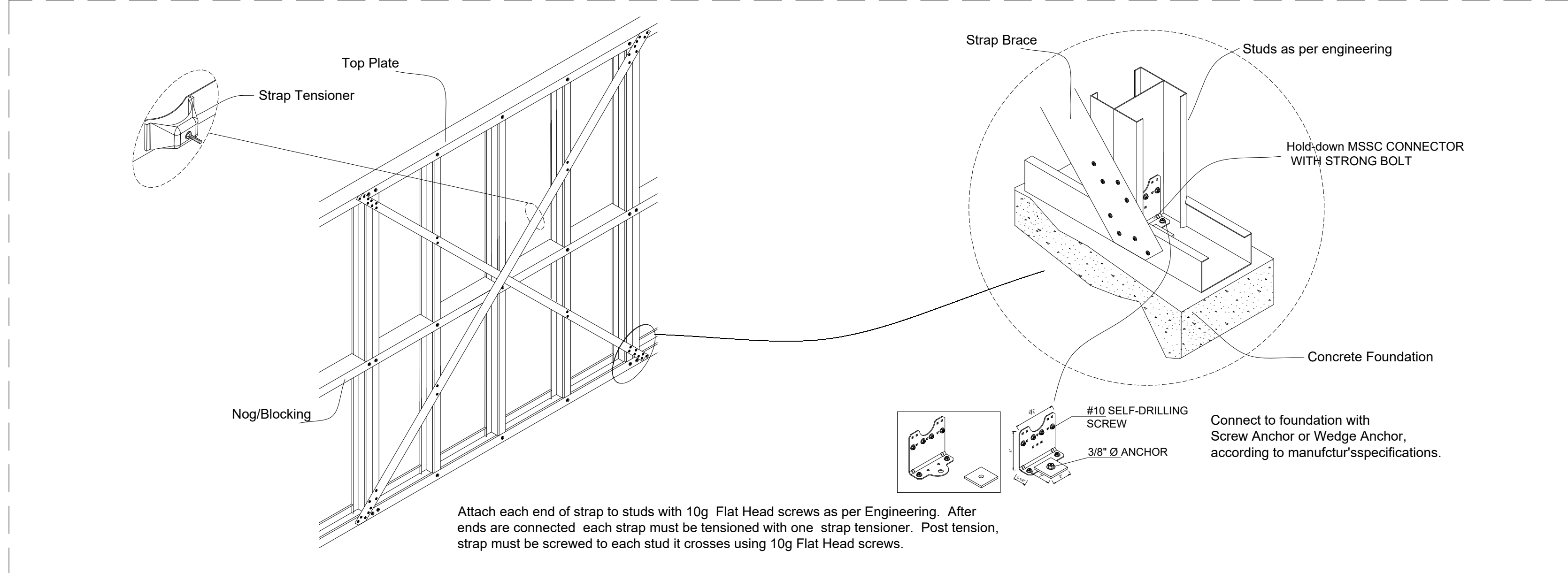




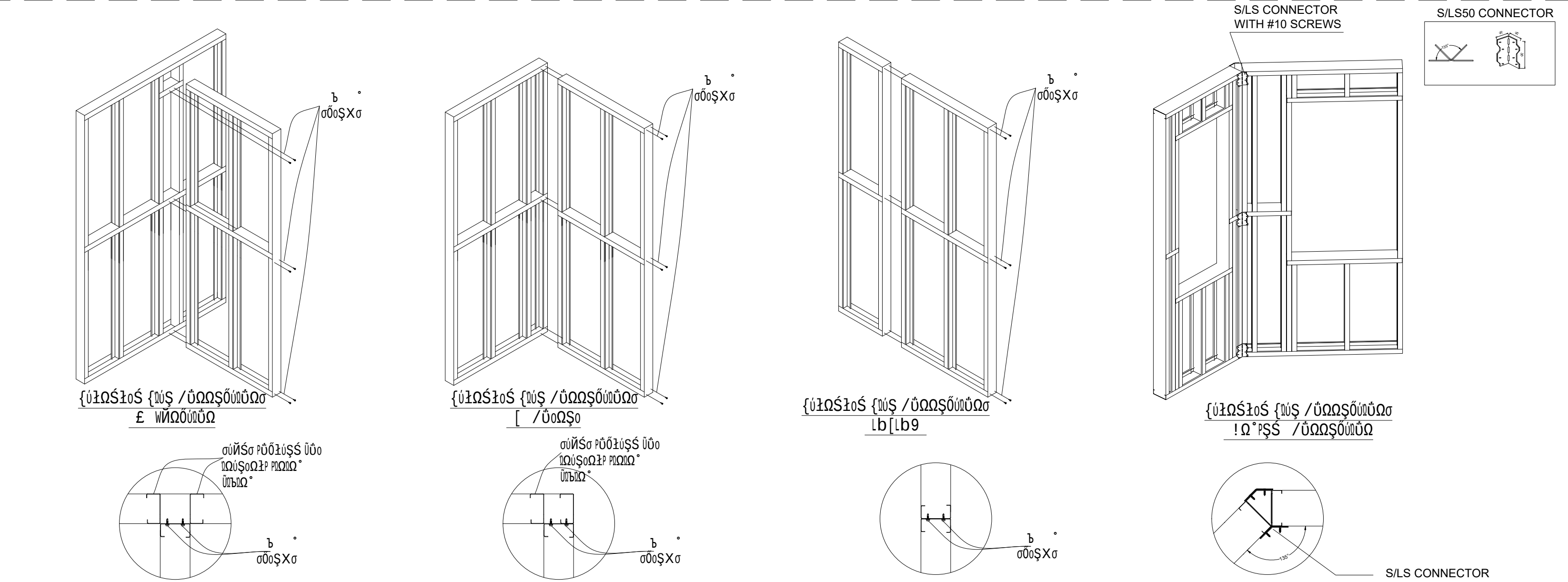
01 NON-LOAD BEARING WALL PANEL ASSEMBLY



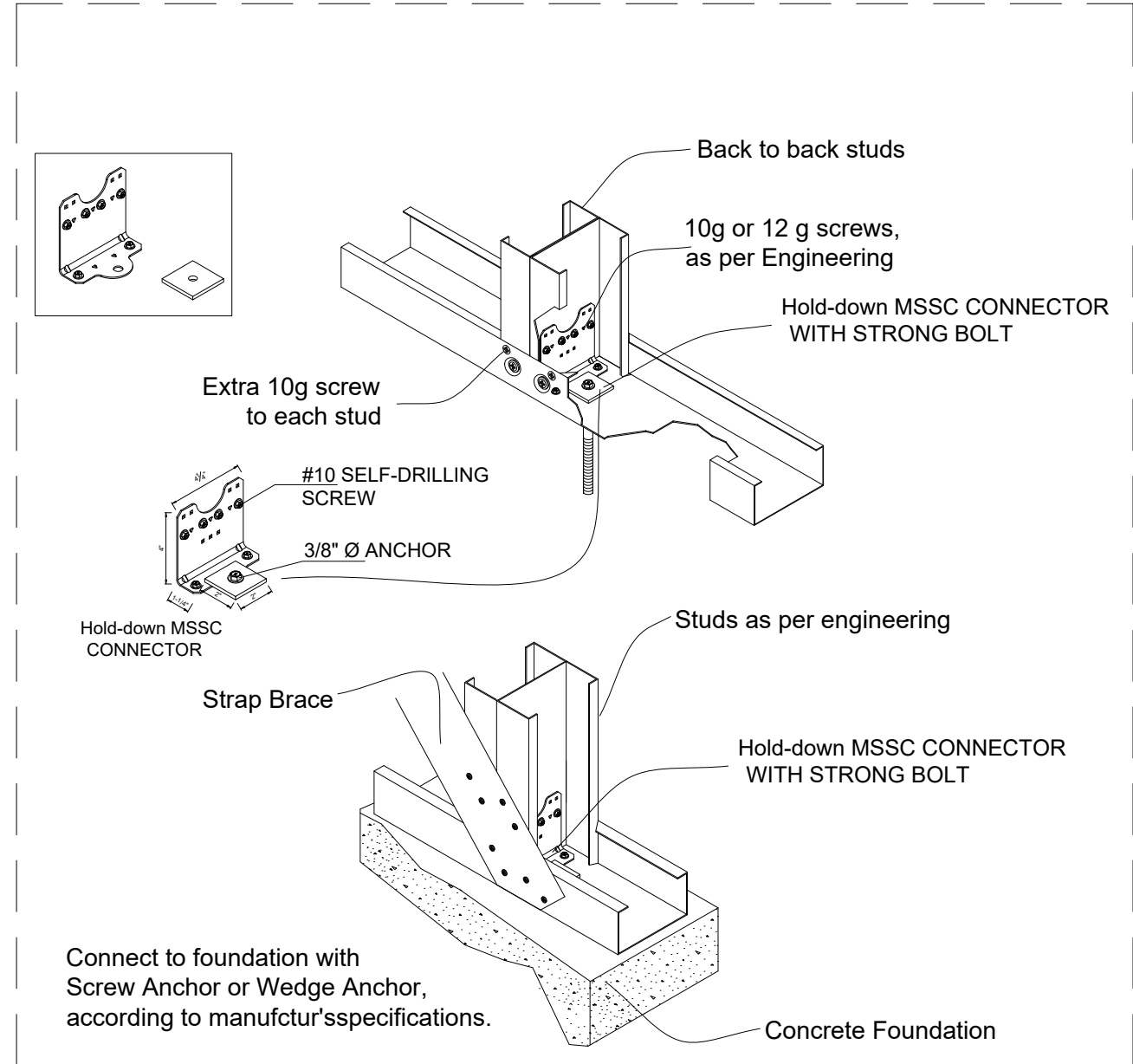
02 LOAD BEARING WALL PANEL ASSEMBLY



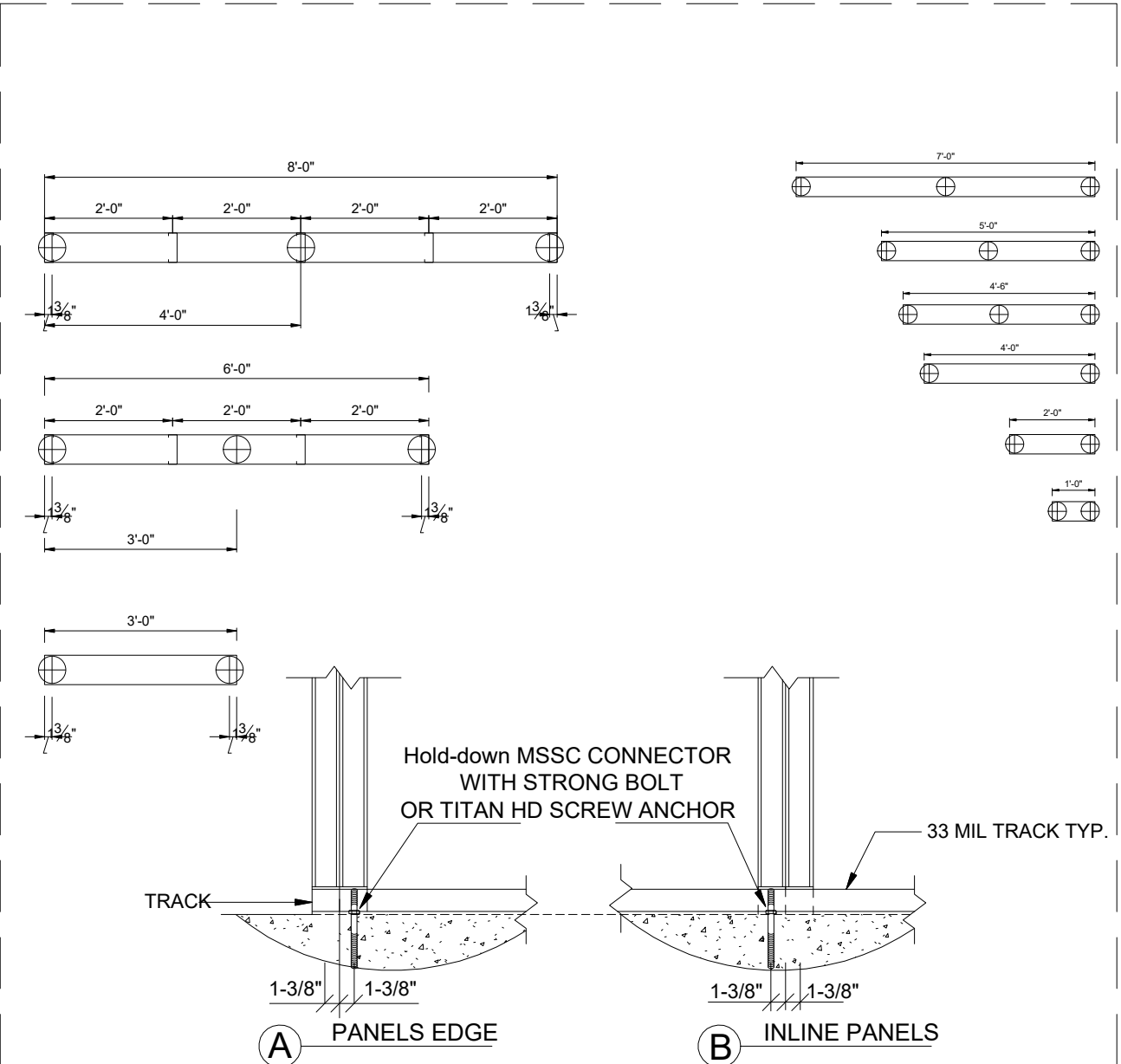
03 STRAP BRACE TO WALL CONNECTION



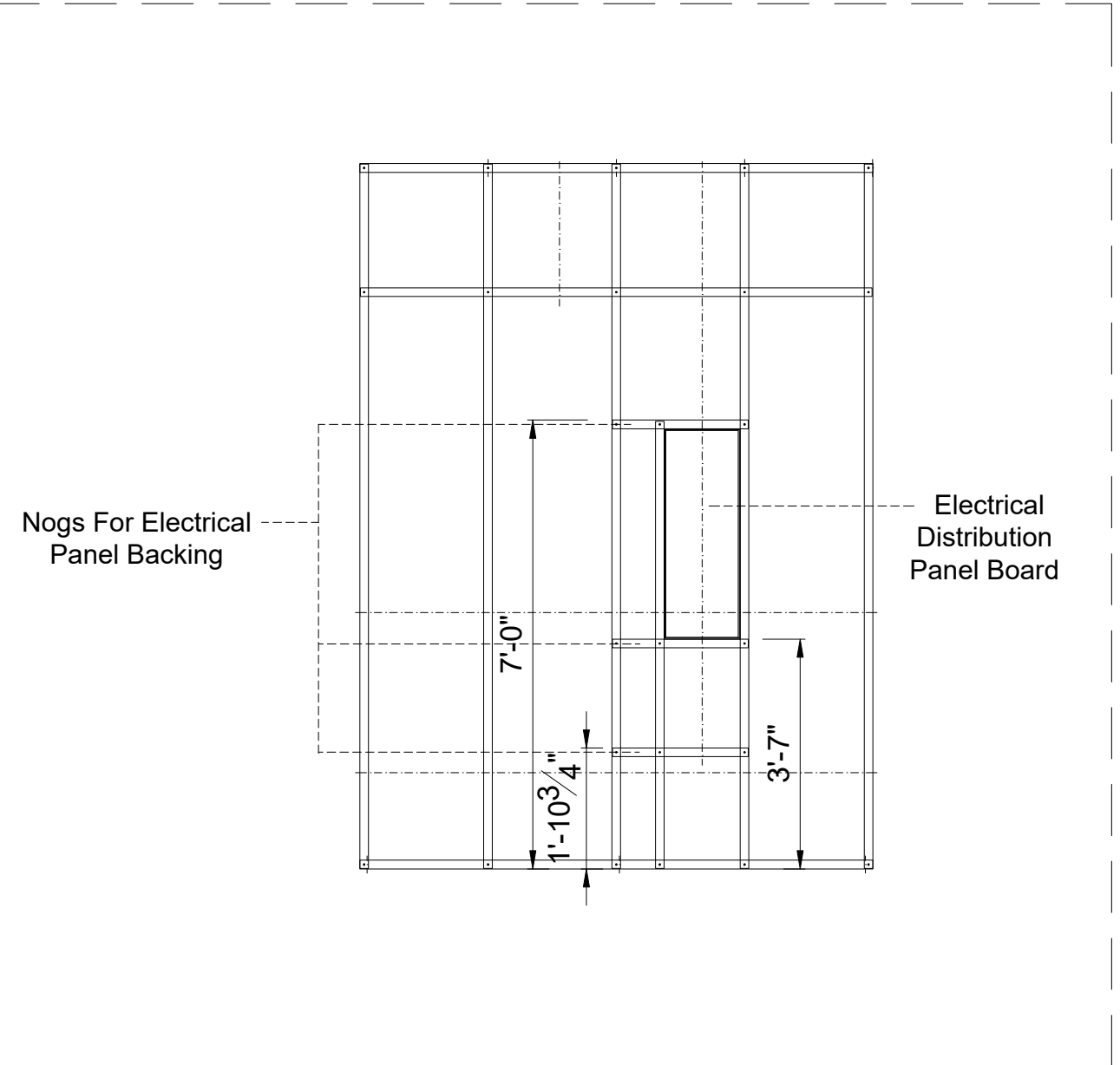
04 GENERAL WALL TO WALL CONNECTION



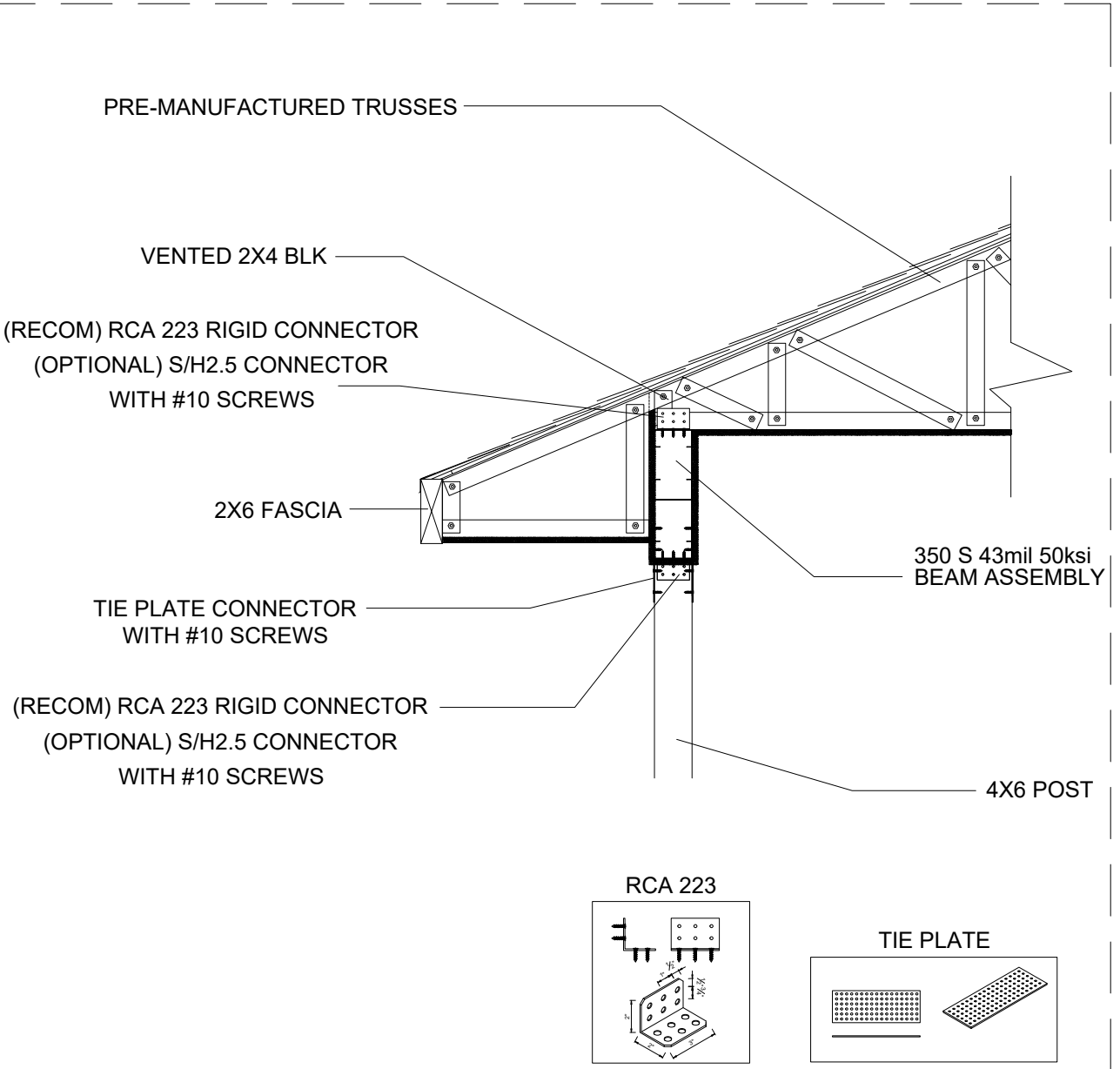
05 LOAD BEARING WALLS



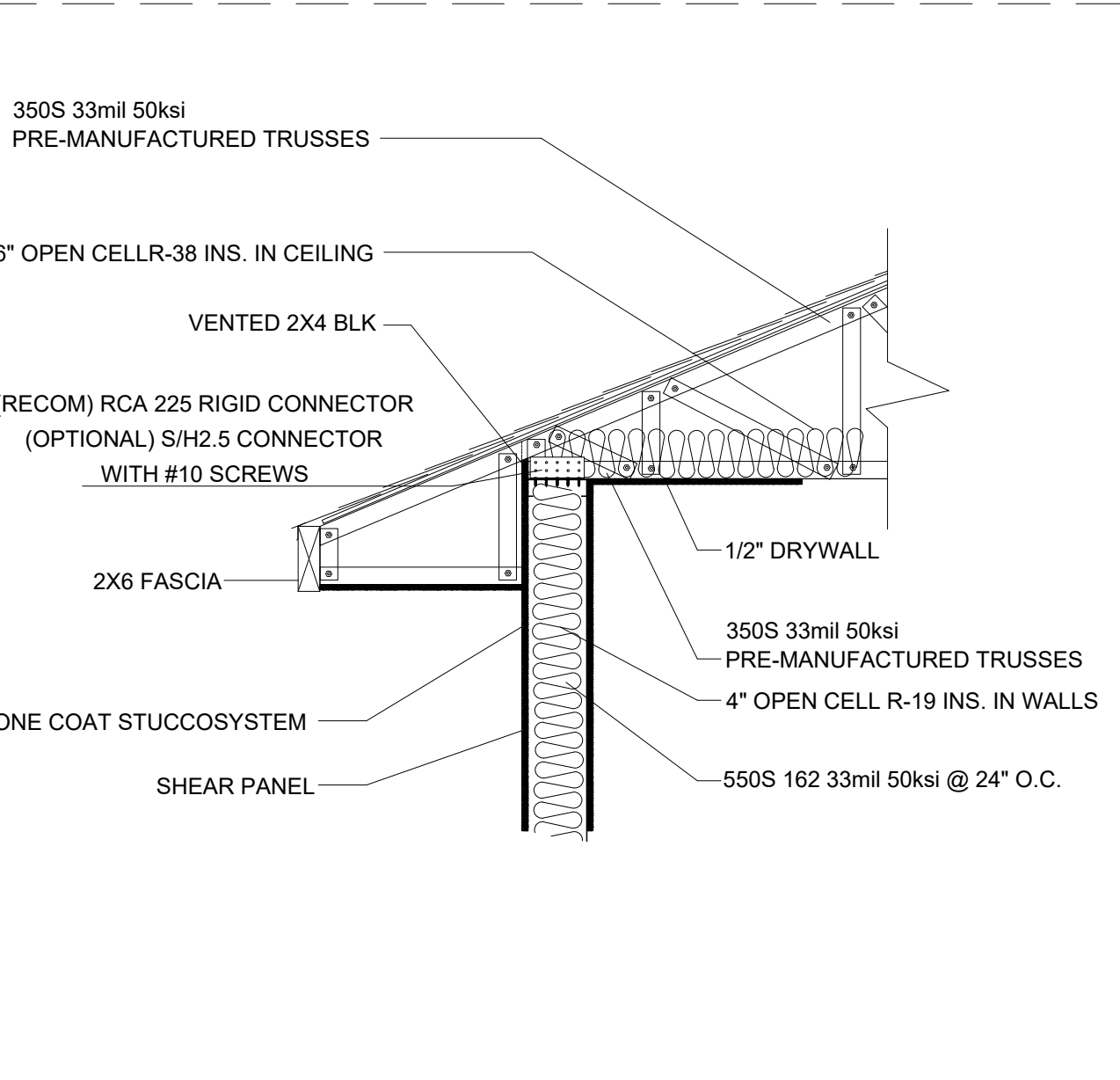
06 TYPICAL ANCHOR BOLT & BOLT HOLE LOCATION



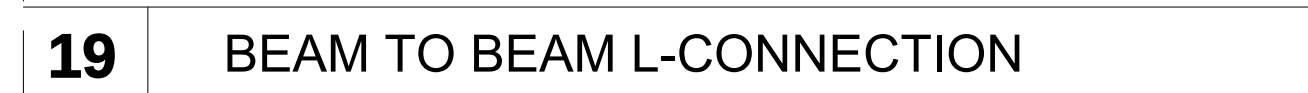
07 ELECTRICAL PANEL BACKING HEIGHT

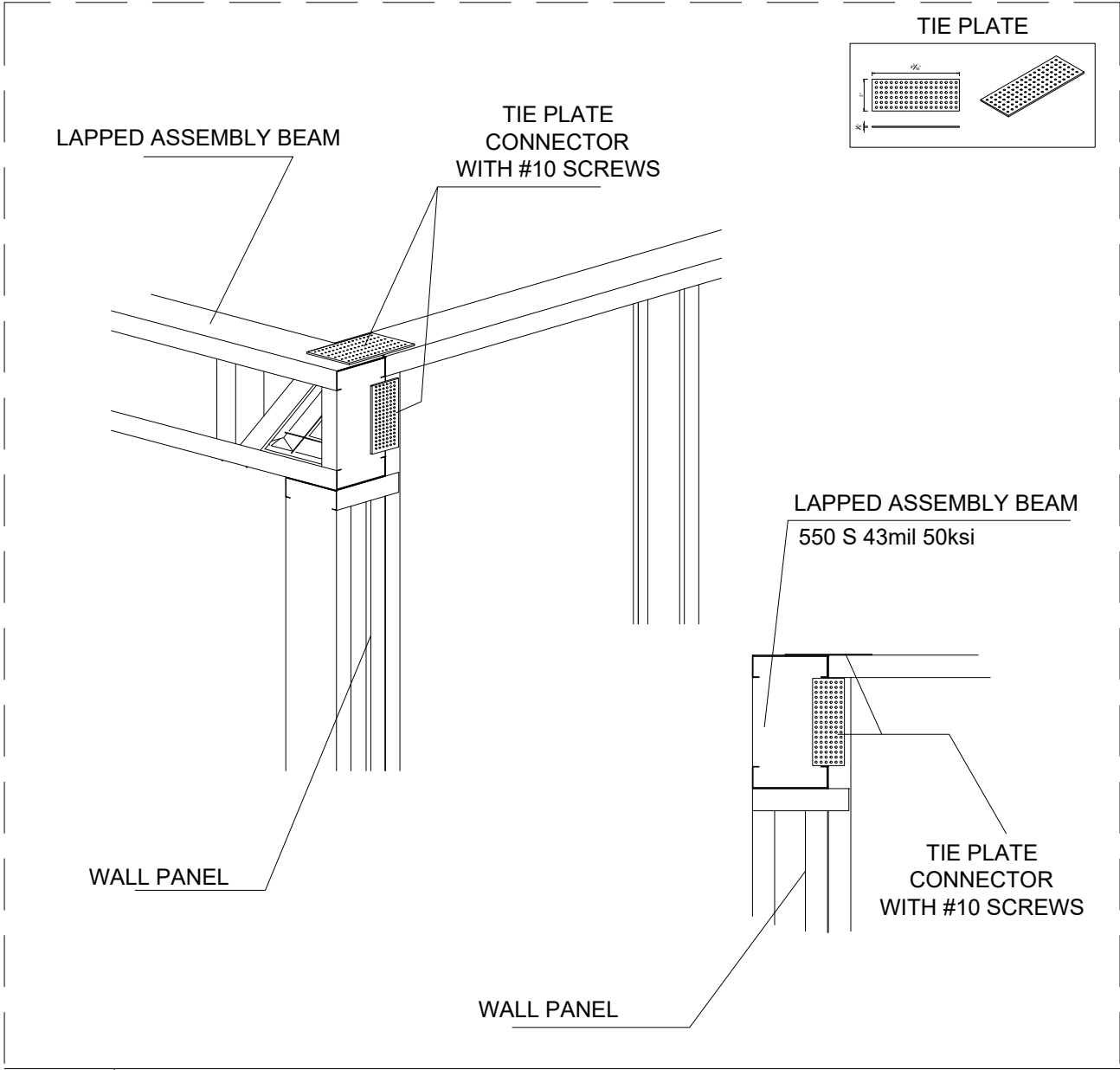


08 POST / BEAM CONN.

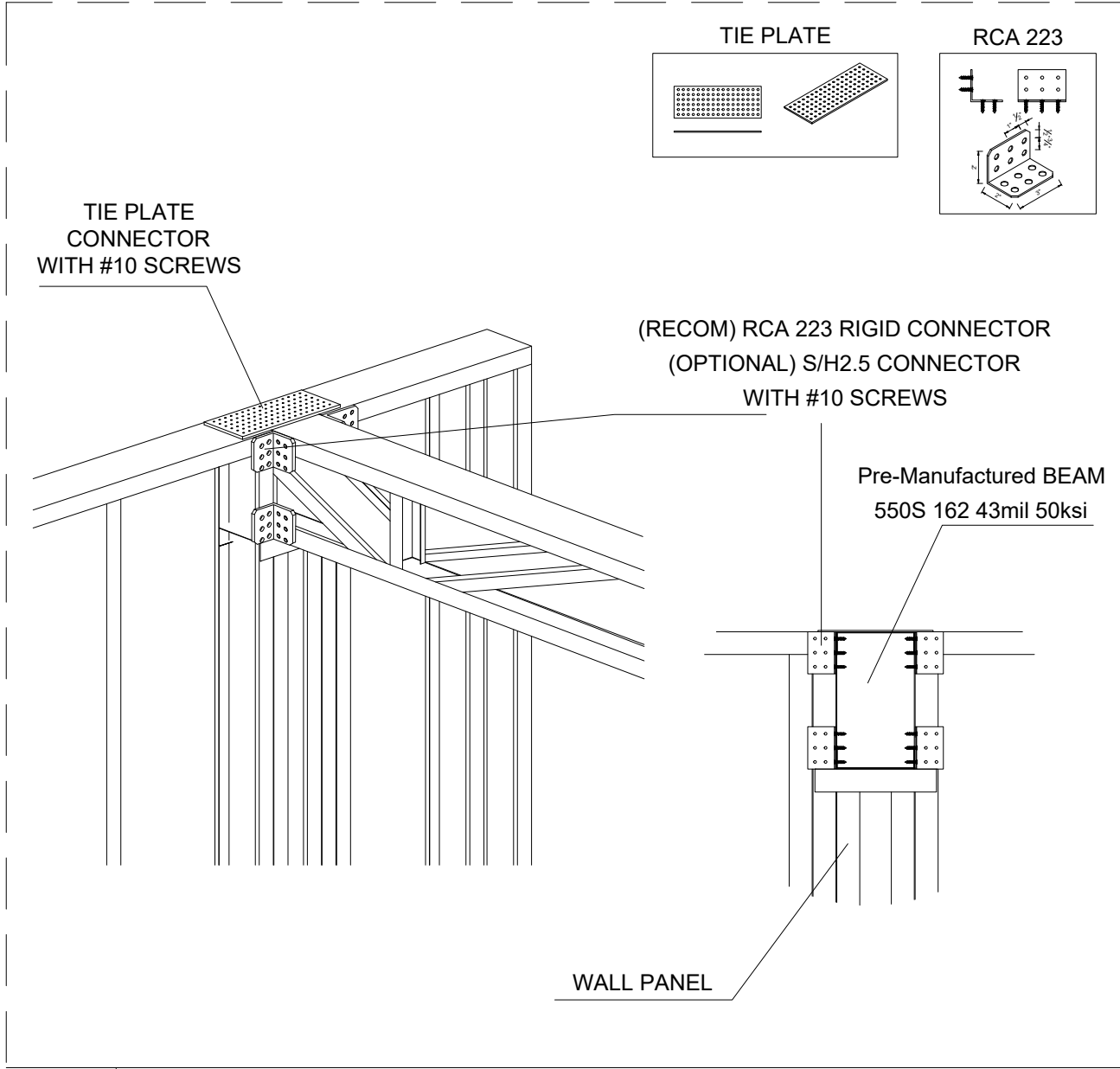


09 WALL / TRUSS CONN.

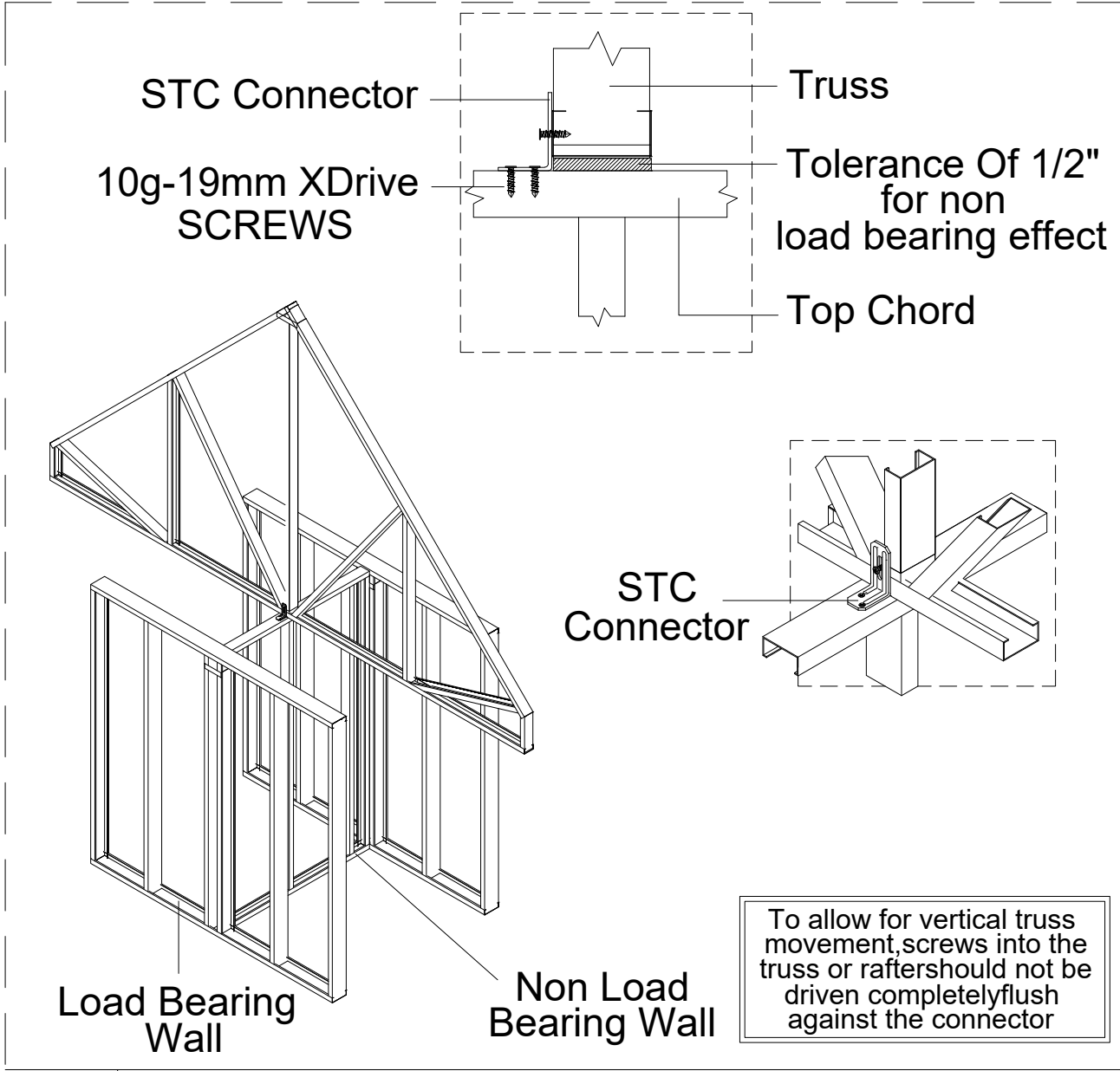




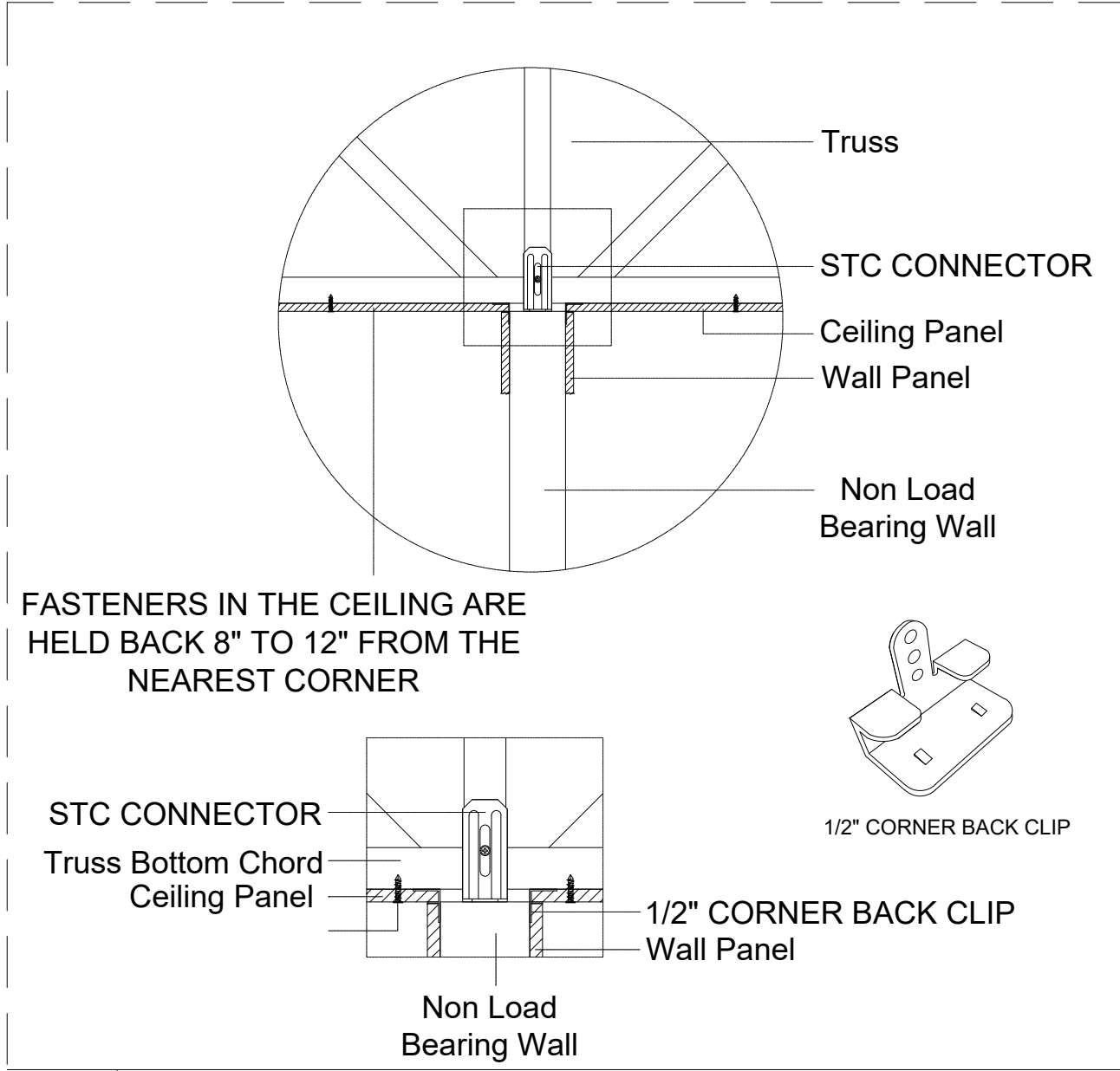
25 WALL TO BEAM L- CONNECTION



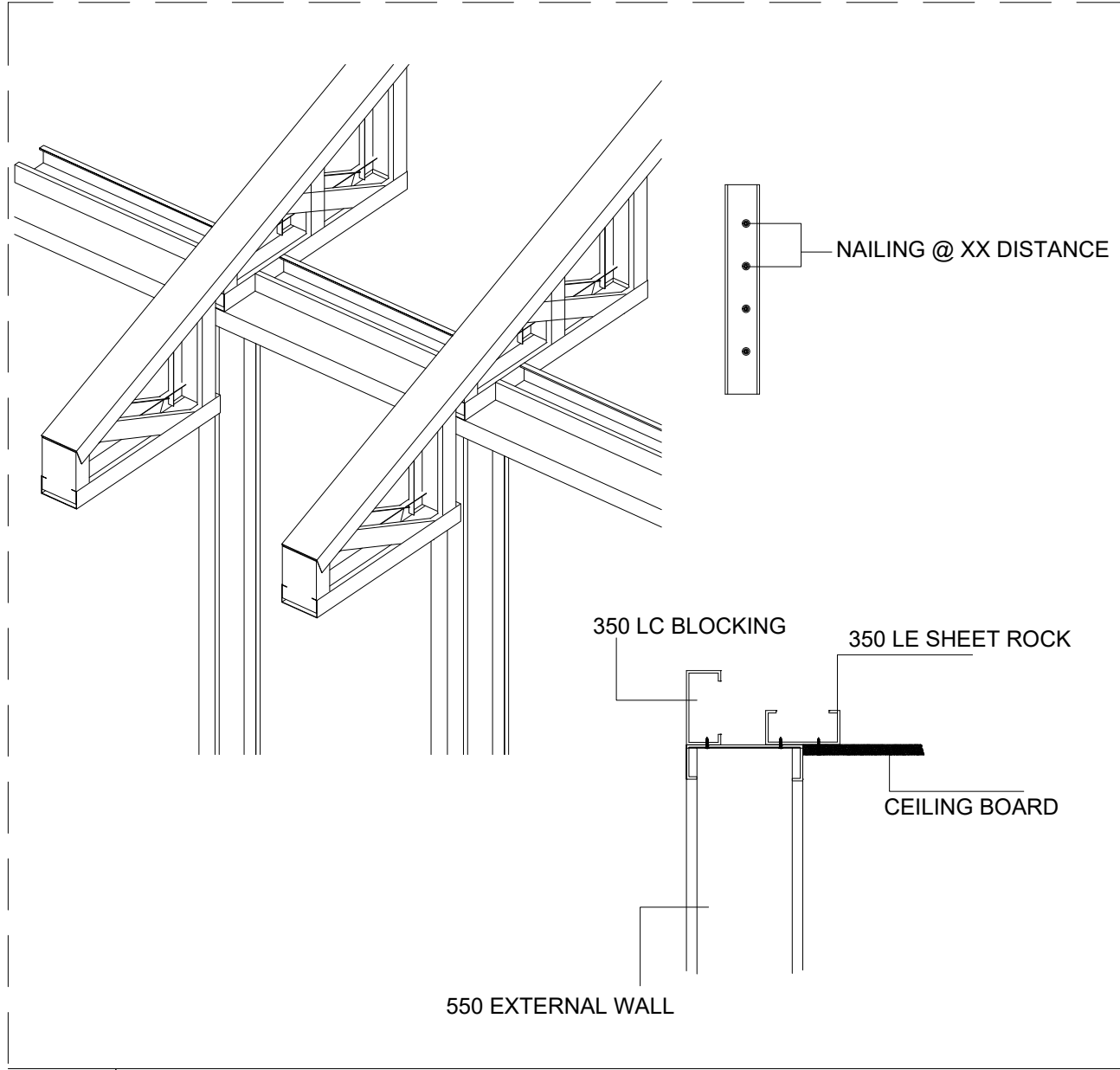
26 WALL TO BEAM T- CONNECTION



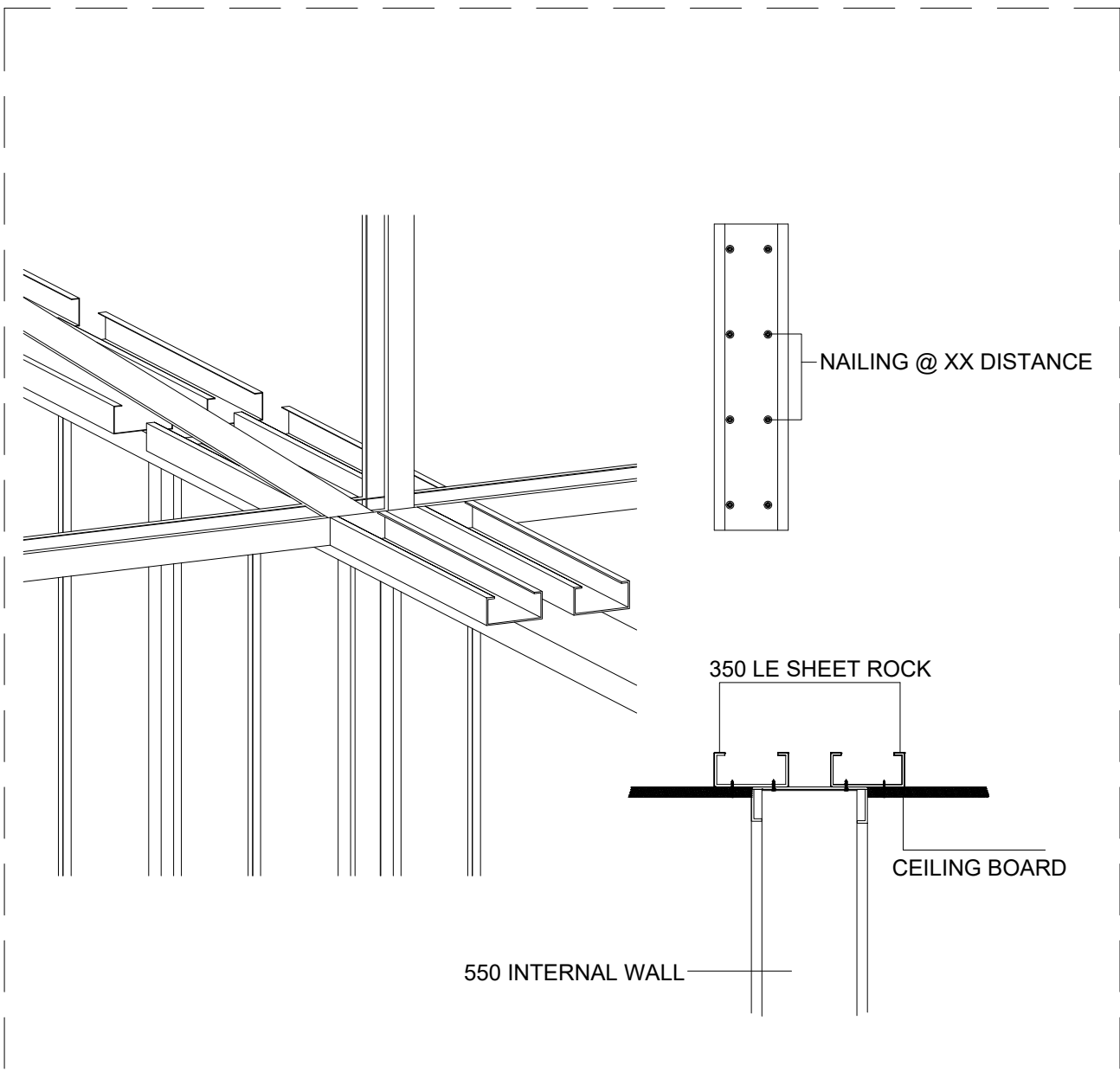
27 TRUSS TO NON LOAD-BEARING WALL CONNECTION



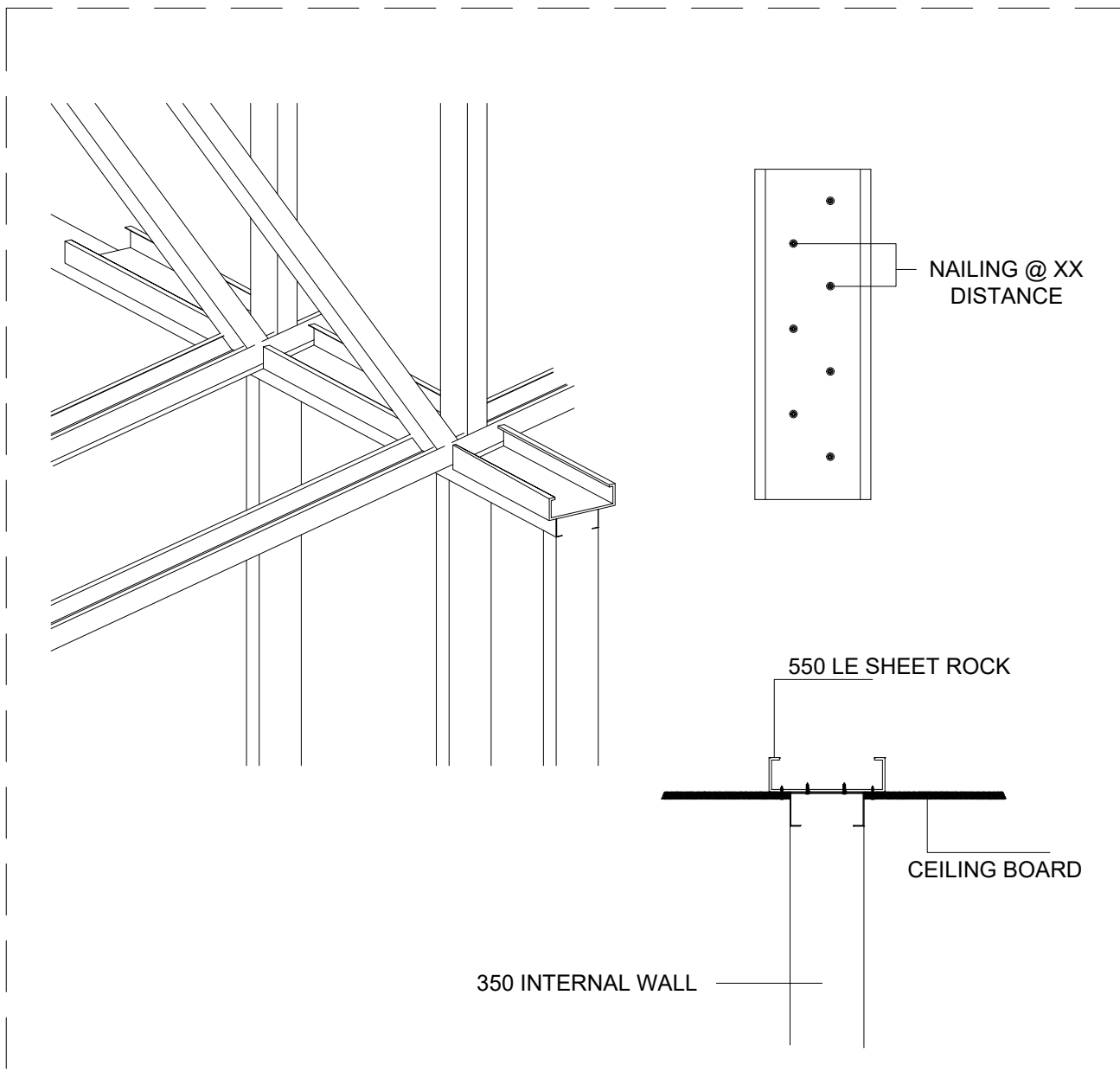
28 DRYWALL CLIP/CEILING BOARD CONNECTION



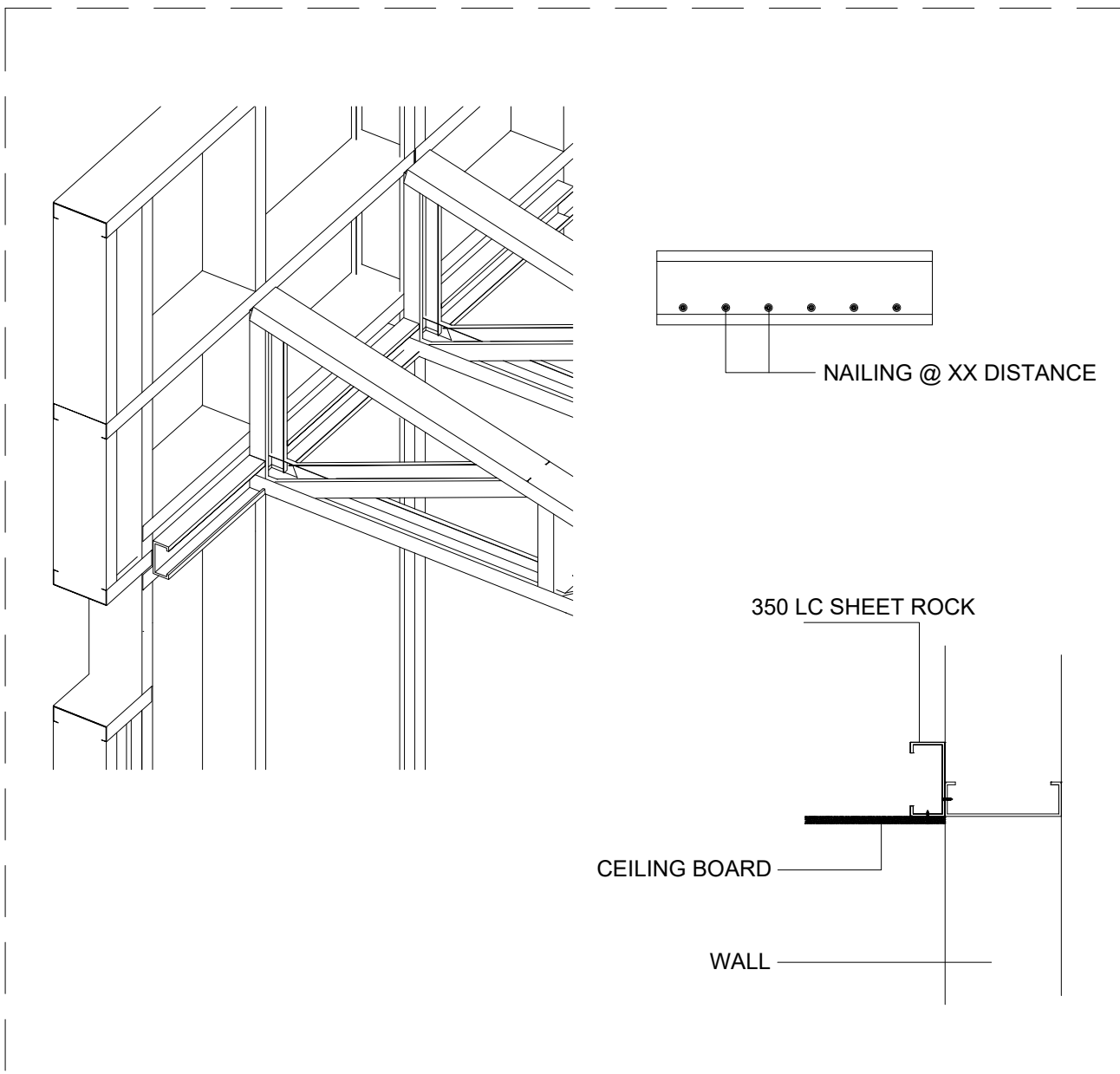
29 EXTERNAL 550 WALL TO LE-SHEET ROCK CONNECTION



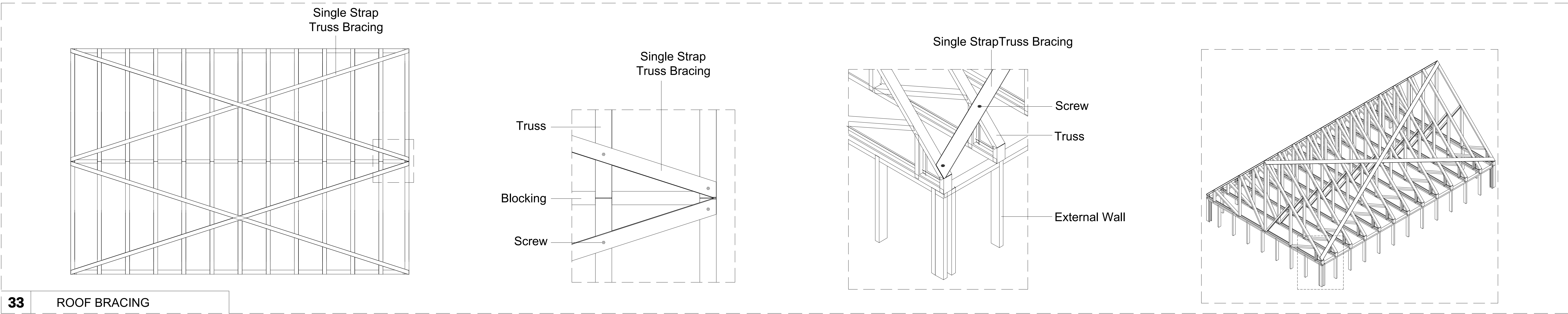
30 INTERNAL 550 WALL TO LE-SHEET ROCK CONNECTION



31 INTERNAL 350 WALL TO LE-SHEET ROCK CONNECTION



32 INTERNAL 350 WALL TO LE-SHEET ROCK CONNECTION



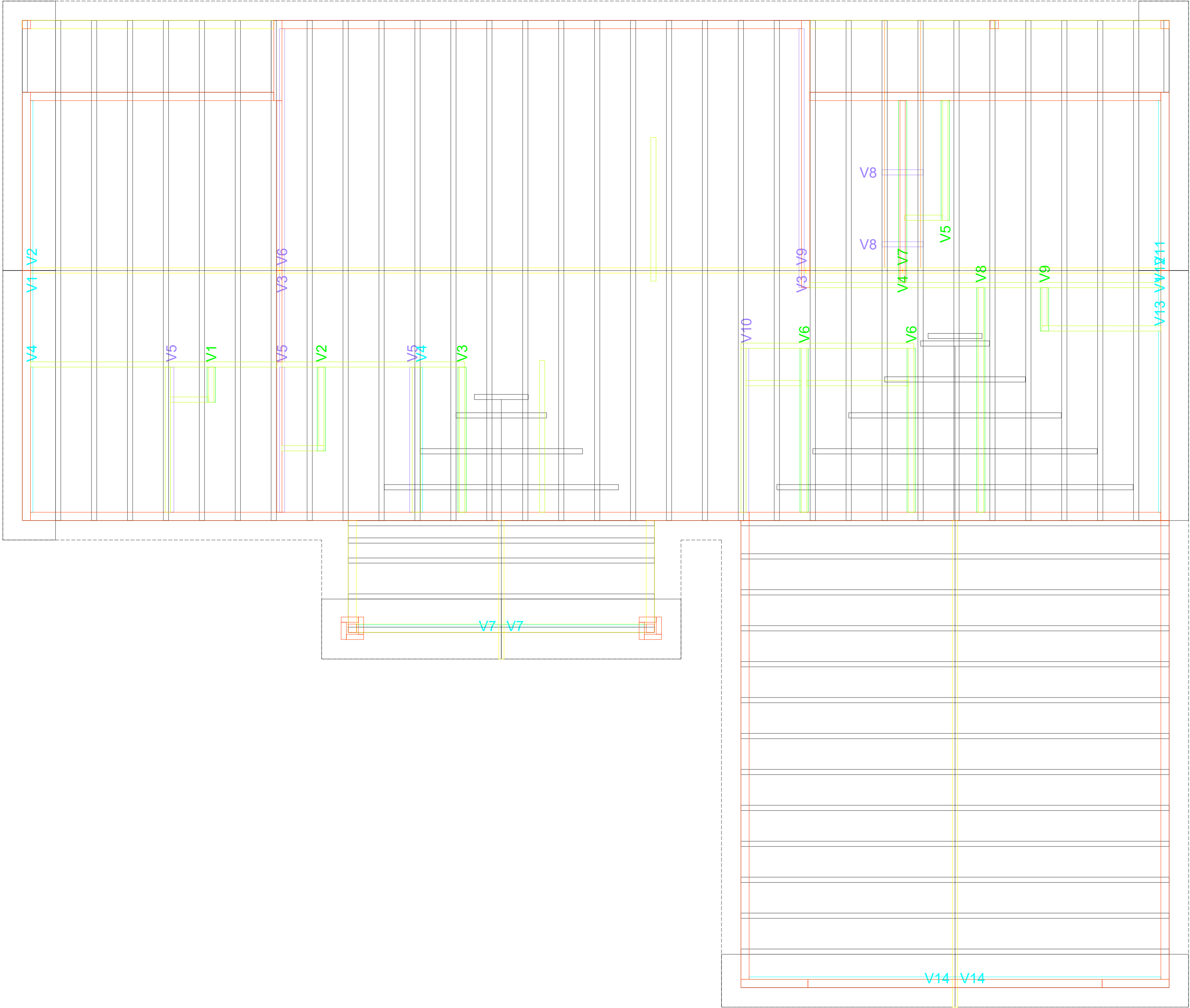
33 ROOF BRACING

Truss Accessories		
FRAMECAD Batten 22	22	16'-0"
FRAMECAD Batten 40	14	20'-4"
FRAMECAD 10g-19mm HWH Hex	672	
FRAMECAD Tri Fix	32	

LEGEND

PC	Parallel Truss
V	Rafter

Truss Summary				
Rafter			32	227'-8"
Rafter Summary				
V1	350S162-33-50	2	10'-2 15/16"	
V1	550S162-33-50	1	2'-1 7/16"	
V10	350S162-33-50	1	9'-10 5/8"	
V11	350S162-33-50	1	8 11/16"	
V12	350S162-33-50	1	2'-3 5/8"	
V13	350S162-33-50	1	10'-11 1/16"	
V14	350S162-33-50	2	12'-4 15/16"	
V2	350S162-33-50	1	5'-6 1/8"	
V2	550S162-33-50	1	5'-11/16"	
V3	350S162-33-50	2	14'-6 15/16"	
V3	550S162-33-50	1	8'-9 1/16"	
V4	350S162-33-50	2	8'-9 1/16"	
V4	550S162-33-50	1	10'-2 15/16"	
V5	350S162-33-50	3	8'-9 1/16"	
V5	550S162-33-50	1	7'-2 11/16"	
V6	350S162-33-50	1	5'-6 1/8"	
V6	550S162-33-50	2	9'-10 5/8"	
V7	350S162-33-50	2	8'-8 13/16"	
V7	550S162-33-50	1	8 11/16"	
V8	350S162-33-50	2	2'-3 1/2"	
V8	550S162-33-50	1	13'-6 1/2"	
V9	350S162-33-50	1	1'-7/16"	
V9	550S162-33-50	1	2'-7 7/16"	



Sheetrock Backing

Scale- 1/4": 1'-0"



JOB DETAILS
ADDRESS

Ember

DRAWN
BA

DWG FILE
246-Ember-1650-3Bd2.5Ba-Craftsman-550

DATE DRAWN
04-30-2025
VIEW NAME
14 of 17

SCALE
1/4" : 1'-0"
ON
36 x 24

S9

JOB REFERENCE

500

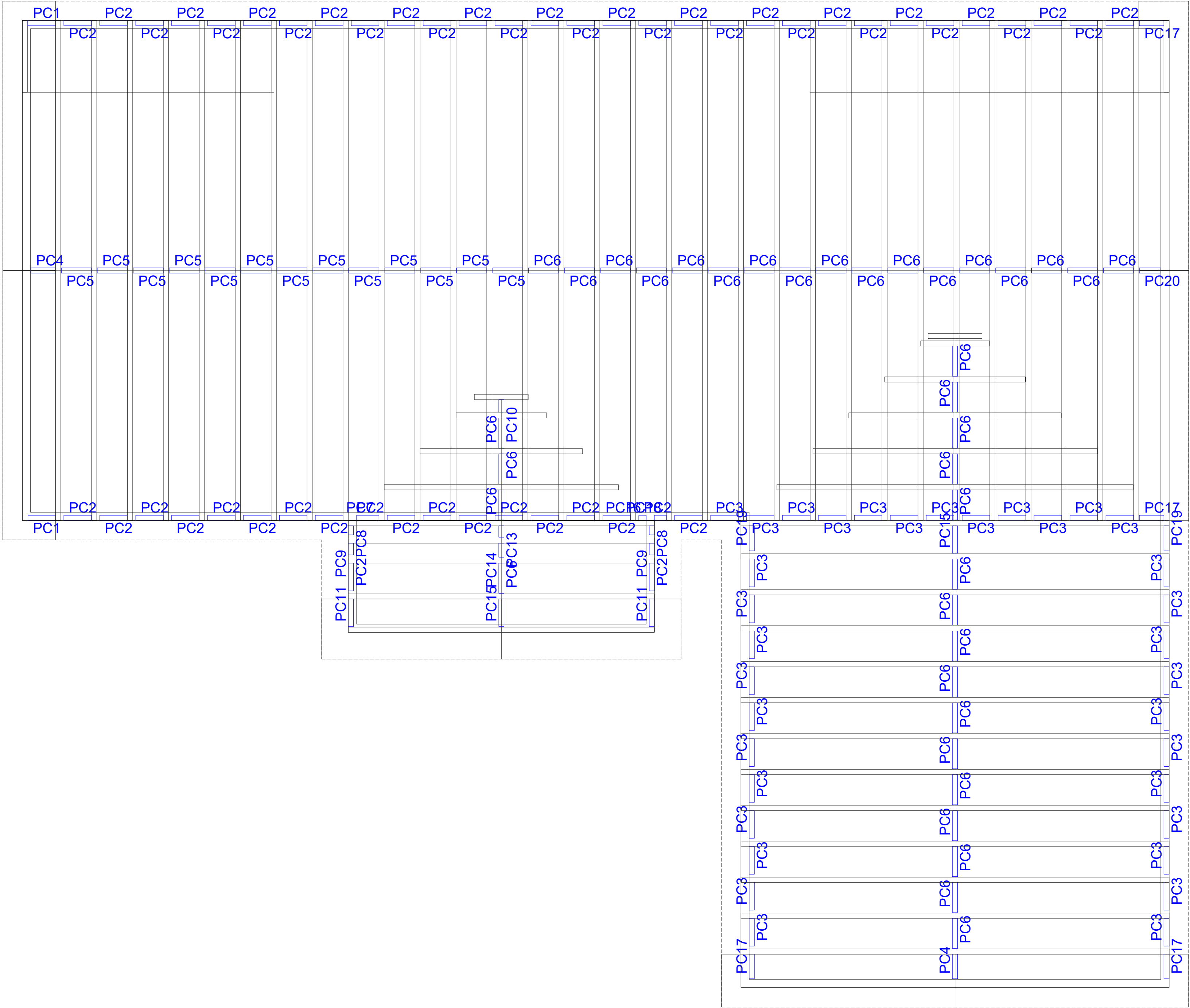
COLD FORMED STEEL SKELETON ONLY

REVISION

Truss Accessories		
FRAMECAD Batten 22	1	16'-0"
FRAMECAD Batten 40	2	20'-4"
FRAMECAD 10g-19mm HWH Hex	1256	

Truss Summary		
Parallel Truss	157	238'-6"

LEGEND	
PC	Parallel Truss
V	Rafter



Truss Blocking Layout

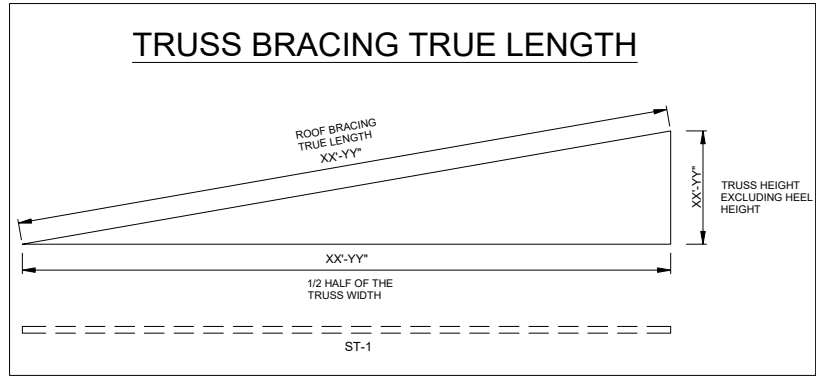
Scale- 1/4": 1'-0"

ROOF BRACING NOTES

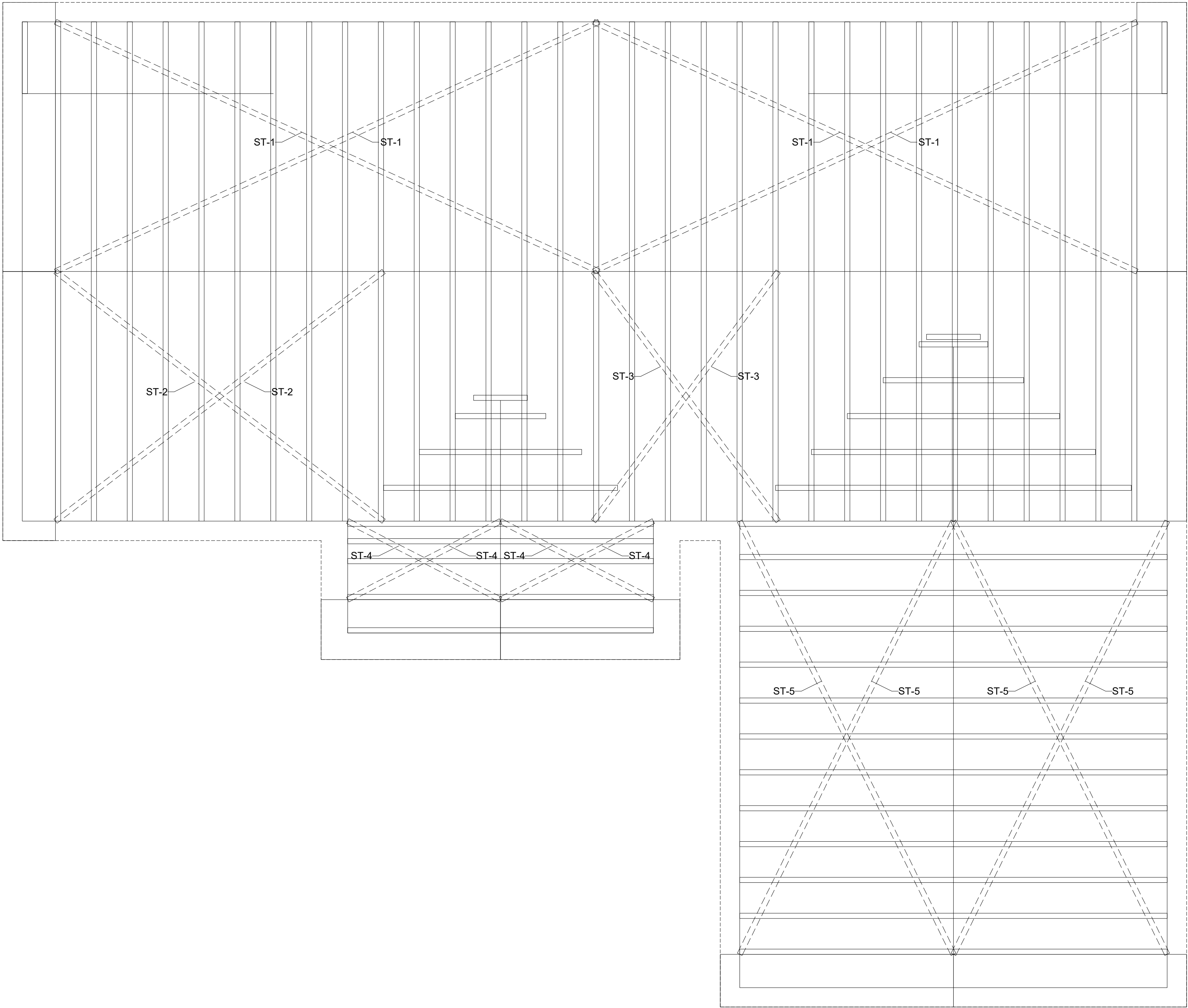
- 1- ALL DIMENSIONS ARE IN INCH, DIMENSIONS TO BE VERIFIED W/ARCH. DRAWINGS
2- ROOF TRUSS BRACINGS MADE UP OF 350 S 18 G FLAT STRAP
3-THE LENGTH OF ROOF BRACING IS MEASURED DIAGONALLY WHICH IS THE TRUE LENGTH.

LEGEND:-

- ROOF TRUSS
-ROOF TRUSS BRACE



TRUSS BRACING SCHEDULE		
STRAP NO	STRAP LENGH (inche)	QTY
ST-1	11' 10"	4
ST-2	23' 9"	2
ST-3	18' 4"	2
ST-4	10' 3"	4
ST-5	27' 6"	4



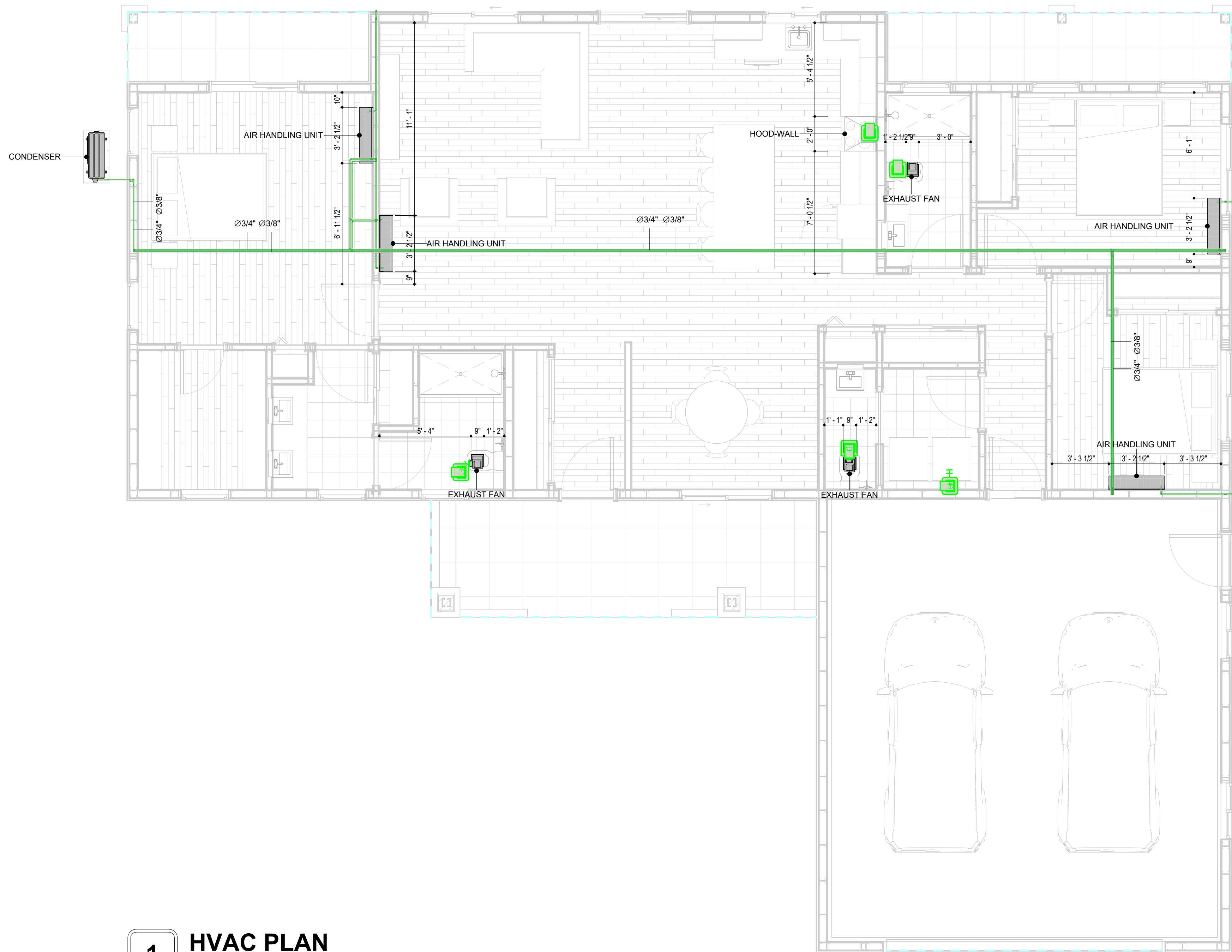
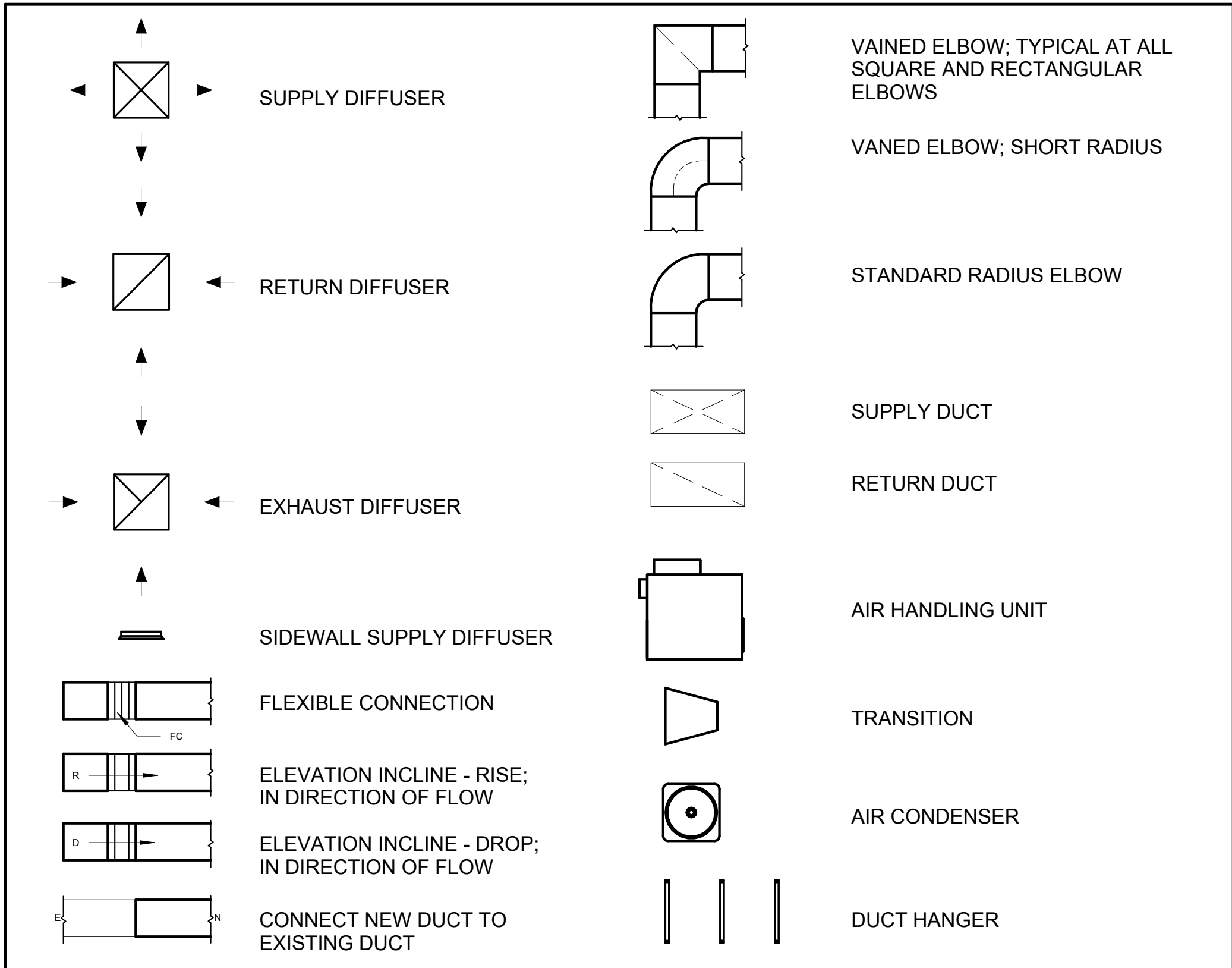
Roof Bracing

Scale- 1/4" : 1'-0"

GENERAL NOTES

1. THIS DRAWING DEPICTS THE HVAC (HEATING, VENTILATION, AND AIR CONDITIONING) SYSTEM FOR THE EMBER 3BD 2BA CRAFTSMAN. IT PROVIDES A VISUAL REPRESENTATION OF THE SYSTEM LAYOUT AND COMPONENTS.
2. THE HVAC SYSTEM IS DESIGNED TO MEET THE SPECIFIC REQUIREMENTS OF THE BUILDING, INCLUDING HEATING, COOLING, AND VENTILATION NEEDS, AS PER THE PROJECT SPECIFICATIONS AND APPLICABLE CODES AND STANDARDS.
3. THE HVAC SYSTEM INSTALLATION SHALL COMPLY WITH THE LATEST EDITION OF THE INTERNATIONAL MECHANICAL CODE (IMC), INTERNATIONAL RESIDENTIAL CODE (IRC), AND ALL OTHER APPLICABLE LOCAL, STATE, AND NATIONAL CODES AND REGULATIONS.
4. THE EQUIPMENT SHOWN ON THIS DRAWING INCLUDES BUT IS NOT LIMITED TO AIR HANDLING UNITS (AHUS), CHILLERS, BOILERS, COOLING TOWERS, PUMPS, DUCTWORK, DIFFUSERS, GRILLES, AND CONTROL DEVICES.
5. ALL EQUIPMENT, DUCTWORK, AND PIPING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, LOCAL CODES, AND INDUSTRY BEST PRACTICES.
6. ALL DUCTWORK SHALL BE SIZED, FABRICATED, AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE ACCA MANUAL D AND THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS. DUCTWORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER, PROPERLY SUPPORTED AND BRACED TO PREVENT SAGGING, AIR LEAKAGE, OR VIBRATION.
7. CONDENSATE DRAINAGE PIPING SHALL BE PROPERLY PITCHED TO ENSURE POSITIVE DRAINAGE TO AN APPROVED DISPOSAL LOCATION, SUCH AS A FLOOR DRAIN, SUMP PUMP, OR EXTERIOR GRADE. CONDENSATE LINES SHALL BE INSULATED TO PREVENT SWEATING.
8. THE LOCATION OF CONTROL PANELS AND SENSORS INDICATED ON THIS DRAWING CAN BE MODIFIED WITH THE SPECIFIC LOCATIONS AND WIRING DETAILS WILL BE DETERMINED DURING THE CONTROL SYSTEM DESIGN AND INSTALLATION.
9. THE HVAC SYSTEM DESIGN CONSIDERS ENERGY EFFICIENCY, INDOOR AIR QUALITY, OCCUPANT COMFORT, AND NOISE CONTROL, FOLLOWING APPLICABLE GUIDELINES AND REGULATIONS.
10. COORDINATION WITH OTHER TRADES HAS BEEN DONE ON A DESIGN LEVEL. THIS DRAWING SHALL BE READ TOGETHER WITH THE ARCHITECTURAL, ELECTRICAL, AND SANITARY DESIGN DRAWINGS TO ENSURE PROPER INSTALLATION AND INTEGRATION OF THE HVAC SYSTEMS.
11. THE HVAC CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND LICENSES, AND FOR SCHEDULING AND COORDINATING WITH THE LOCAL BUILDING DEPARTMENT AND UTILITY PROVIDERS TO ENSURE A TIMELY AND COMPLIANT INSTALLATION.
12. ALL DUCTWORK PENETRATIONS THROUGH WALLS, FLOORS, OR CEILINGS SHALL BE PROPERLY SEALED AND FIRE-STOPPED USING APPROVED METHODS AND MATERIALS TO MAINTAIN THE INTEGRITY OF THE BUILDING'S FIRE-RESISTANCE RATINGS.
13. HVAC EQUIPMENT SHALL BE INSTALLED LEVEL AND PLUMB, AND IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS. PROVIDE ADEQUATE CLEARANCES AROUND EQUIPMENT FOR PROPER AIRFLOW, SERVICE ACCESS, AND CODE COMPLIANCE.
14. ALL HVAC EQUIPMENT AND COMPONENTS, INCLUDING THERMOSTATS, DAMPERS, AND ACCESS PANELS, SHALL BE LOCATED IN ACCESSIBLE AREAS FOR EASY SERVICING AND MAINTENANCE. PROVIDE ADEQUATE SPACE AROUND EQUIPMENT FOR PROPER AIRFLOW AND SERVICE ACCESS.
15. THE HVAC SYSTEM SHALL BE BALANCED AND ADJUSTED TO ENSURE PROPER AIRFLOW, TEMPERATURE DISTRIBUTION, AND SYSTEM PERFORMANCE THROUGHOUT THE RESIDENCE. PROVIDE A WRITTEN REPORT DOCUMENTING THE FINAL SYSTEM BALANCE.
16. ANY DEVIATIONS OR MODIFICATIONS TO THE HVAC SYSTEM DESIGN SHALL BE REVIEWED AND APPROVED BY THE RESPONSIBLE DESIGN PROFESSIONALS AND COMMUNICATED TO ALL RELEVANT PARTIES INVOLVED IN THE CONSTRUCTION PROCESS.
17. FOR ANY INQUIRIES OR CLARIFICATIONS REGARDING THE HVAC SYSTEM DESIGN, PLEASE CONSULT THE RESPONSIBLE DESIGN PROFESSIONALS OR THE PROJECT MANAGEMENT TEAM.

SYMBOLS



1 HVAC PLAN

REFRIGERANT LINE SCHEDULE			
CATEGORY	DESCRIPTION	DIAMETER	LENGTH
PIPE TYPES	COPPER	3/8"	124.84
PIPE TYPES	COPPER	3/4"	171.56

REFRIGERANT LINE FITTING SCHEDULE			
CATEGORY	DESCRIPTION	Size	Count
ELBOW - GENERIC	ELBOW - GENERIC: STANDARD/HVAC	1/2"ø-1/2"ø	1
ELBOW - GENERIC	ELBOW - GENERIC: STANDARD/HVAC	3/4"ø-3/4"ø	30
ELBOW - GENERIC	ELBOW - GENERIC: STANDARD/HVAC	3/8"ø-3/8"ø	25
TEE - GENERIC	TEE - GENERIC: STANDARD	3/4"ø-3/4"ø-3/4"ø	4
TEE - GENERIC	TEE - GENERIC: STANDARD	3/8"ø-3/8"ø-3/8"ø	3
TRANSITION - GENERIC	TRANSITION - GENERIC: STANDARD	3/4"ø-1/2"ø	7
TRANSITION - GENERIC	TRANSITION - GENERIC: STANDARD	3/4"ø-5/8"ø	4
TRANSITION - GENERIC	TRANSITION - GENERIC: STANDARD	3/8"ø-1/4"ø	1

MECHANICAL EQUIPMENT SCHEDULE		
CATAGORY	DESCRIPTION	COUNT
AIR HANDLING UNIT	AIR HANDLING UNIT: WALL MOUNTED	4
CONDENSER	CONDENSER: OUT DOOR	1
EXHAUST FAN	EXHAUST FAN: 75 CFM	3
	HOOD-WALL: VENT	1

DUCT FITTING SCHEDULE		
CATAGORY	DESCRIPTION	COUNT
ROUND TRANSITION - ANGLE	45 DEGREE	9

DUCT ACCESSORY SCHEDULE		
CATEGORY	DESCRIPTION	COUNT
ROOF VENT	3" DIAMETER	5

FLEX DUCT SCHEDULE				
DESCRIPTION	DESCRIPTION	LENGTH	DIAMETER	COUNT
FLEX DUCT ROUND	FLEX-ROUND	18.43	4"	5
GRAND TOTAL: 5		18.43		

HVAC COLOR SCHEME

— AIR CONDITIONING PIPE LINE



KEY PLAN

[illegible]

NOTE:

LEGEND:

PROJECT

243-EMBER-1396-3Bd 2Ba
CRAFTSMAN-550

DRAWING NAME

HVAC PLAN

CLIENT NAME:	Owner
PROJECT NUMBER:	15_0001
DATE:	5/8/2025 12:05:34 AM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

M101

SCALE: **As indicated**

ELECTRICAL NOTES

1. THIS DRAWING DEPICTS THE ELECTRICAL SYSTEM FOR THE 246-EMBER-1650-3Bd 2.5Ba CRAFTSMAN-550. IT PROVIDES A VISUAL REPRESENTATION OF THE ELECTRICAL LAYOUT AND COMPONENTS, INCLUDING POWER DISTRIBUTION, LIGHTING, AND CONTROL SYSTEMS.
2. THE ELECTRICAL SYSTEM IS DESIGNED TO MEET THE SPECIFIC REQUIREMENTS OF THE BUILDING, INCLUDING POWER DISTRIBUTION, LIGHTING, AND SPECIALIZED ELECTRICAL EQUIPMENT NEEDS, AS PER THE PROJECT SPECIFICATIONS AND APPLICABLE CODES AND STANDARDS.
3. THE ELECTRICAL SYSTEM INSTALLATION SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), INTERNATIONAL BUILDING CODE (IBC), AND ALL OTHER APPLICABLE LOCAL, STATE, AND NATIONAL CODES AND REGULATIONS.
4. LOCATIONS AS NEEDED, DEVICES ARE SHOWN ON PLANS IN APPROXIMATE IDEAL LOCATIONS, UNLESS SPECIFICALLY DIMMENSIONED.
5. OPEN WALLS AS NEEDED TO ALLOW FOR NEW ELECTRICAL INSTALLATIONS.
6. LABEL ALL CIRCUITS ON JUNCTION BOXES, RECEPTACLES,DATA, SMOKE DETECTOR, AND EQUIPMENT IN PANEL BOX.
7. INSTALL RACEWAY AS NEEDED FOR DDC, ACCESS CONTROL, LOW VOLTAGE WIRING & DATA.
8. RELABEL POWER, DATA & FIRE ALARM FOR ROOM #CHANGES.
9. VERIFY ALL CIRCUITS LABELED ON PRINT ARE CORRECT BEFORE WORKING ON THEM.
10. NOTE ON SITE PLAN – ALL CHANGES OR MISSING DETAIL TO BE INCORPORATED INTO THE MASTER PLAN.
11. DRAWINGS ARE DIAGRAMMATIC ONLY FOR THE PURPOSE OF SHOWING FIXTURE AND OUTLET LOCATIONS.
12. ELECTRICAL CONTRACTOR TO VERIFY SERVICE SIZE BY CALCULATION BASED UPON ACTUAL NAME PLATE RATINGS OF SELECTED EQUIPMENT.
13. VERIFY LOCATION OF SERVICE ENTRANCE WITH POWER COMPANY. PROVIDE UFER GROUND IN BUILDING FOUNDATION AT SERVICE ENTRANCE LOCATION.
14. PROVIDE A MIN. OF 20 FEET OF ONE *4 BARE COPPER UFER WIRE EMBEDDED IN CONCRETE FOOTING AT THE SERVICE ENTRANCE LOCATION WHERE APPROVED BY LOCAL SERVICE PROVIDER.
15. PROVIDE WATERPROOF FIXTURES IN ALL HIGH MOISTURE AREAS (EXTERIOR, SHOWER AND TUB CEILINGS ETC.)
16. PROVIDE DEDICATED CIRCUITS TO EACH BATH, DEN, FAMILY ROOM, BEDROOM, LOFT, KITCHEN REFRIGERATOR, KITCHEN FREEZER DISHWASHER, AND ANY AREA/ITEM SPECIFIED BY OWNER.
17. INCANDESCENT FIXTURES WITH OPEN OR PARTIALLY ENCLOSED LAMPS, PENDANT FIXTURES, AND LAMP HOLDERS ARE NOT PERMITTED IN CLOSETS.
18. ALL WORKMANSHIP AND MATERIALS TO CONFORM WITH THE 2015 IRC.
19. PROVIDE A MIN. OF 20 FEET OF ONE *4 BARE COPPER UFER WIRE EMBEDDED IN CONCRETE FOOTING AT THE SERVICE ENTRANCE LOCATION WHERE APPROVED BY LOCAL SERVICE PROVIDER.
20. PROVIDE A BONDING CONDUCTOR CONSISTING OF A MINIMUM OF ONE *4 BARE COPPER WIRE CONNECTING THE BUILDING'S METAL WATER PIPING SYSTEM TO THE SERVICE EQUIPMENT ENCLOSURE GROUNDING.

MAIN PANEL CALCS

ELECTRICAL CALCS		
LIGHT AND OUTLETS	1,650 @ 3W	4,950 W
3 APPLIANCE CIRCUITS		4,500 W
DRYER		2,000 W
WASHER		2,000 W
RANGE		5,000 W
WATER HEATER		5,000 W
REFRIG.		1,800 W
DISHWASHER & DISPOSAL		3000 W
TOTAL		28,250 W
FRIST 10,000 @ 100%		10,000 W
REMAINDER @ 40%		7,300 W
MINI. SPLIT UNITS		10,000 W
TOTAL		27,300 W
27,300 W DIVIDED BY 240V = 114 AMPS TOTAL		
(USE 200 AMP SERVICE)		

ELECTRICAL ABBREVIATIONS LIST

1P A AC ACLG ADO AF AFF AFG AFI AHU AL ALT AMP AMPL ANNUN AQ-STAT ARCH AS AT ATS AUTO AUX AV AWG BATT BD BLDG BMS C CAB CAT CATV CB CCTV CKT CLG COMB CMPR CONN CONST CONT CONTR CONV CP CRT CT	1 POLE (2P, 3P, 4P, ETC.) AMPERE ABOVE COUNTER OR AIR CONDITIONER ABOVE CEILING AUTOMATIC DOOR OPENER AMP FRAME ABOVE FINISHED FLOOR ABOVE FINISHED GRADE ARC FAULT CIRCUIT INTERRUPTER AIR HANDLING UNIT ALUMINUM ALTERNATE AMPERE AMPLIFIER ANNUNCIATOR APPROX APPROXIMATELY AQUASTAT ARCHITECT, ARCHITECTURAL AMP SWITCH AMP TRIP AUTOMATIC TRANSFER SWITCH AUTOMATIC AUXILIARY AUDIO VISUAL AMERICAN WIRE GAUGE BATTERY BOARD BUILDING BUILDING MANAGEMENT SYSTEM CONDUIT CABINET CATALOG CABLE TELEVISION CIRCUIT BREAKER CLOSED CIRCUIT TELEVISION CIRCUIT CEILING COMBINATION COMPRESSOR CONNECTION CONSTRUCTION CONTINUATION OR CONTINUOUS CONTRACTOR CONVECTOR CIRCULATING PUMP CATHODE-RAY TUBE CURRENT TRANSFORMER	CTR CU DCP DEPT DET DIA DISC DIST DN DPR DS DT DWG DDC EC ELEC ELEV EM EMS EMT EP EQUIP EWC EXIST EXH EXP FA FABP FACU FCU FIXT FLR FLUOR FU FUDS GA GAL GALV GC GEN GFI GFP GND GRS GYP BD	CENTER COPPER DOMESTIC WATER CIRCULATING PUMP DEPARTMENT DETAIL DIAMETER DISCONNECT DISTRIBUTION DOWN DAMPER SAFETY DISCONNECT SWITCH DOUBLE THROW DRAWING DIRECT DIGITAL CONTROL ELECTRICAL CONTRACTOR ELECTRIC, ELECTRICAL ELEVATOR EMERGENCY ENERGY MANAGEMENT SYSTEM ELECTRICAL METALLIC TUBING ELECTRIC PNEUMATIC EQUIPMENT ELECTRIC WATER COOLER EXISTING EXHAUST EXPLOSION PROOF FIRE ALARM FIRE ALARM BOOSTER POWER SUPPLY PANEL FIRE ALARM CONTROL PANEL FAN COIL UNIT FIXTURE FLOOR FLUORESCENT FUSE FUSED SAFETY DISCONNECT SWITCH GAUGE GALLON GALVANIZED GENERAL CONTRACTOR GENERATOR GROUND FAULT CIRCUIT INTERRUPTER GROUND FAULT PROTECTOR GROUND GALVANIZED RIGID STEEL (CONDUIT) GYPSUM BOARD	HT HTG HTR HV HVP IC IG IMC INCAND IR I/W J-BOX KV KVA KVAR KW KWH LOC LT LTG LTNG LV MAX MAG.S M/C MC MCB MCC MDC MDP MFR MH MIC MIN MISC MLO MMS MOA MSP MSBD MT MT.C UL	HEIGHT HEATING HEATER HIGH VOLTAGE HEATING, VENTILATING AND AIR CONDITIONING HYDRONIC WATER PUMP INTERRUPTING CAPACITY ISOLATED GROUND INTERMEDIATE METAL CONDUIT INCANDESCENT INFRARED INTERLOCK WITH JUNCTION BOX KILOVOLT KILOVOLT-AMPERE KILOVOLT-AMPERE REACTIVE KILOWATT KILOWATT HOUR LOCATE OR LOCATION LIGHT LIGHTING LIGHTNING LOW VOLTAGE MAXIMUM MAGNETIC STARTER MOMENTARY CONTACT MECHANICAL CONTRACTOR MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER MAIN DISTRIBUTION CENTER MAIN DISTRIBUTION PANEL MANUFACTURERMAIN FUSED DISCONNECT SWITCH MANHOLE MICROPHONE MINIMUM MISCELLANEOUS MAIN LUGS ONLY MANUAL MOTOR STARTER MULTIOUTLET ASSEMBLY MOTOR STARTER PANELBOARD MAIN SWITCHBOARD MOUNT EMPTY CONDUIT UNDERWRITERS LABORATORIES
--	--	---	--	--	--

Branch Panel:

Location: W/C 16
Supply From:
Mounting: Recessed
Enclosure: Type 1

Volts: 120/240 Single
Phases: 1
Wires: 3

A.I.C. Rating:
Mains Type:
Mains Rating: 200 A
MCB Rating: 1 A

Notes:

Circuit Number	Circuit Description	Number of Elements	Rating	Length	Wire Size	A		B		Wire Size	Length	Rating	Number of Elements	Circuit Description	Circuit Number
1	MST BED LIGHT	12	15 A	52' - 0"	1-#14, 1-#14, 1-#14	688 VA	972 VA			1-#12, 1-#12, 1-#12	44' - 4 1/8"	20 A	12	MST BATH GFCI	2
3	OUTDOOR LIGHT	10	20 A	96' - 9 7/8"	1-#10, 1-#10, 1-#10			815 VA	876 VA	1-#12, 1-#12, 1-#12	72' - 11 17/32"	20 A	15	KITCHEN & DINNER LIGHT	4
5	LIVING LIGHT	9	15 A	59' - 1 5/32"	1-#14, 1-#14, 1-#14	269 VA	160 VA			1-#12, 1-#12, 1-#12	84' - 11 5/8"	20 A	5	GARAGE LIGHT	6
7	BED 1& 2 LIGHT	17	20 A	101' - 1 21/32"	1-#10, 1-#14, 1-#10			956 VA	396 VA	1-#12, 1-#12, 1-#12	86' - 8 3/8"	20 A	6	BATH 1 GFCI	8
9	HALL LIGHT	4	15 A	79' - 1 5/8"	1-#14, 1-#14, 1-#14	180 VA	576 VA			1-#12, 1-#12, 1-#12	70' - 5 11/16"	20 A	7	BATH 2 GFCI	10
11	CONDENSER	1	60 A	25' - 9 11/16"	2-#6, 1-#6, 1-#10			2500 VA	1620 VA	1-#8, 1-#8, 1-#8	91' - 3 27/32"	20 A	9	OUTDOOR GFCI	12
13	--	--	--	--	--	2500 VA	900 VA			1-#12, 1-#12, 1-#12	74' - 6 9/16"	20 A	5	KITCHEN GFCI	14
15	WASHER	1	20 A	58' - 10 29/32"	1-#12, 1-#12, 1-#12			1200 VA	2500 VA	2-#10, 1-#10, 1-#10	56' - 7 23/32"	30 A	1	DRYER	16
17	WATER HEATER	1	30 A	55' - 10 15/32"	2-#10, 1-#10, 1-#10	2250 VA	2500 VA			--	--	--	--	--	18
19	--	--	--	--	--			2250 VA	1260 VA	1-#8, 1-#8, 1-#8	97' - 3 31/32"	20 A	7	GARAGE GFCI	20
21	RANGE	1	50 A	70' - 2 3/4"	2-#8, 1-#8, 1-#10	2500 VA	180 VA			1-#12, 1-#12, 1-#12	64' - 3 13/16"	20 A	1	OVENHOOD	22
23	--	--	--	--	--			2500 VA	1800 VA	1-#10, 1-#10, 1-#10	64' - 5 7/16"	20 A	1	REFRIGERATOR	24
25	DISHWASHER	1	20 A	71' - 0 3/8"	1-#10, 1-#10, 1-#10	1200 VA	720 VA			1-#12, 1-#12, 1-#12	54' - 1 21/32"	20 A	4	LIVING RECEPATCEL	26
						15582 VA		20802 VA							
						130 A		173 A							

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
LIGHTING - DWELLING UNIT	1360 VA	100.00%	1360 VA	
OTHER	3088 VA	100.00%	3088 VA	Total Conn. Load: 36384 VA
RECEPTACLE	10320 VA	98.45%	10160 VA	Total Est. Demand: 35224 VA
LIGHTING	400 VA	100.00%	400 VA	Total Conn.: 152 A
CONDENSER	5000 VA	100.00%	5000 VA	Total Est. Demand: 147 A
WATER HEATER	4500 VA	100.00%	4500 VA	
RANGE	5000 VA	80.00%	4000 VA	
DRYER	5000 VA	100.00%	5000 VA	
REFRIGERATOR	1800 VA	100.00%	1800 VA	

Notes:



Tuscon,AZ, USA
888-864-0184
inquire@frameupnow.com
www.frameupnow.com

KEY PLAN

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

246-EMBER-1650-3Bd 2.5Ba
CRAFTSMAN-550

DRAWING NAME

SCHEDULE

CLIENT NAME:	Owner
PROJECT NUMBER:	0139_16
DATE:	5/6/2025 4:52:49 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

E101

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

ELECTRICAL NOTE

- A. PROVIDE INTERCONNECTED SMOKE ALARMS IN EACH SLEEPING ROOMS, OUTSIDE EACH SLEEPING ROOM, ON EACH STORY, IN THE HALL OR ADJACENT ROOM LUHERE THE CEILING HEIGHT OF A ROOM OPEN TO THE HALL EXCEEDS THE HALL BY 24'. SMOKE ALARMS SHALL BE PERMANENTLY HARD WIRED WITH BATTERY BACKUP.
- B. RECEPTACLE OUTLETS FOR RANGES AND CLOTHES DRYERS SHALL BE A THREE POLE WITH GROUND TYPE. FOUR WIRE GROUNDING-TYPE FLEXIBLE CORDS WILL BE REQUIRED FOR CONNECTION OF RANGES AND CLOTHES DRYERS. THE BONDING JUMPER SHALL NOT BE CONNECTED BETWEEN NEUTRAL TERMINAL AND THE FRAME OF THE APPLIANCE.
- C. TWO OR MORE 20 AMP SMALL APPLIANCE CIRCUITS SHALL BE PROVIDED TO SERVE THE KITCHEN, BREAKFAST NOOK, AND DINING ROOM. SUCH CIRCUITS SHALL HAVE NO OTHER OUTLETS.
- D. AT LEAST ONE 20 AMP BRANCH CIRCUIT SHALL BE PROVIDED TO SERVICE THE LAUNDRY ROOM. THIS CIRCUIT SHALL HAVE NO OTHER OUTLETS.
- E. ALL RECEPTACLES WITH IN 6' OF A WET BAR SINK OR KITCHEN SINK TO SERVE COUNTER TOP SURFACES MUST BE GFCI. ON KITCHEN COUNTERS 12' OR WIDER NO POINT ALONG THE WALL SHALL BE MORE THAN 2' FROM A RECEPTACLE. ALL RECEPTACLES WITH IN 6' OF KITCHEN SINK MUST BE GFCI. AT LEAST ONE GFCI RECEPTACLE SHALL BE INSTALLED IN THE BATHROOM ADJACENT TO EACH BASIN.
- F. FIXTURES INCLUDING CEILING FANS THAT ARE LOCATED IN DAMP LOCATIONS SHALL BE LISTED TO BE SUITABLE FOR SUCH LOCATIONS PER 2012 IRC
- G. PROVIDE ONE (1) SWITCHED OUTLET @ ALL BEDROOMS AND DEN
- H. CEILING FANS NOT EXCEEDING 35 LBS. (WITH OR WITHOUT ACCESSORIES MAY BE SUPPORTED BY OUTLET BOXES PROVIDED THE OUTLET BOXES ARE IDENTIFIED FOR SUCH USE PER 2012 IRC
- I. ELECTRICAL OUTLET BOXES ON OPPOSITE SIDES OF FIRE RATED WALLS SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF NOT LESS THAN 24".
- J. OUTLET BOXES IN THE WALLS BETWEEN THE GARAGE AND DWELLING SHALL BE METAL OR U.L. APPROVED FIRE RESISTIVE PLASTIC. BOXES IN GARAGE CEILING SHALL BE METAL.
- K. ALL BRANCH CIRCUITS THAT SUPPLY 120 VOLTS SINGLE PHASE 15 AND 20 AMPS RECEPTACLE OUTLETS INSTALLED IN THE DWELLING SHALL BE PROTECTED BY AN ARC FAULT CIRCUIT INTERRUPTER, EXCEPT GFCI RECEPTICLES.

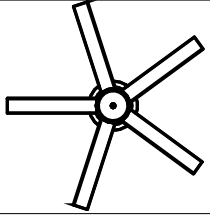
NOTE:

- A. RECEPTACLES MUST BE PROVIDED IN HALLWAYS 10'-0" OR MORE IN LENGTH. FOR A ONE FAMILY DWELLINGS AND EACH OF A TWO FAMILY DWELLING THAT IS AT GRADE LEVEL, AT LEAST ONE WP-GFCI RECEPTACLE OUTLET ACCESSIBLE AT GRADE LEVEL AND NOT MORE THAN 6'-6" ABOVE GRADE SHALL BE INSTALLED AT THE FRONT AND BACK OF THE DWELLING.

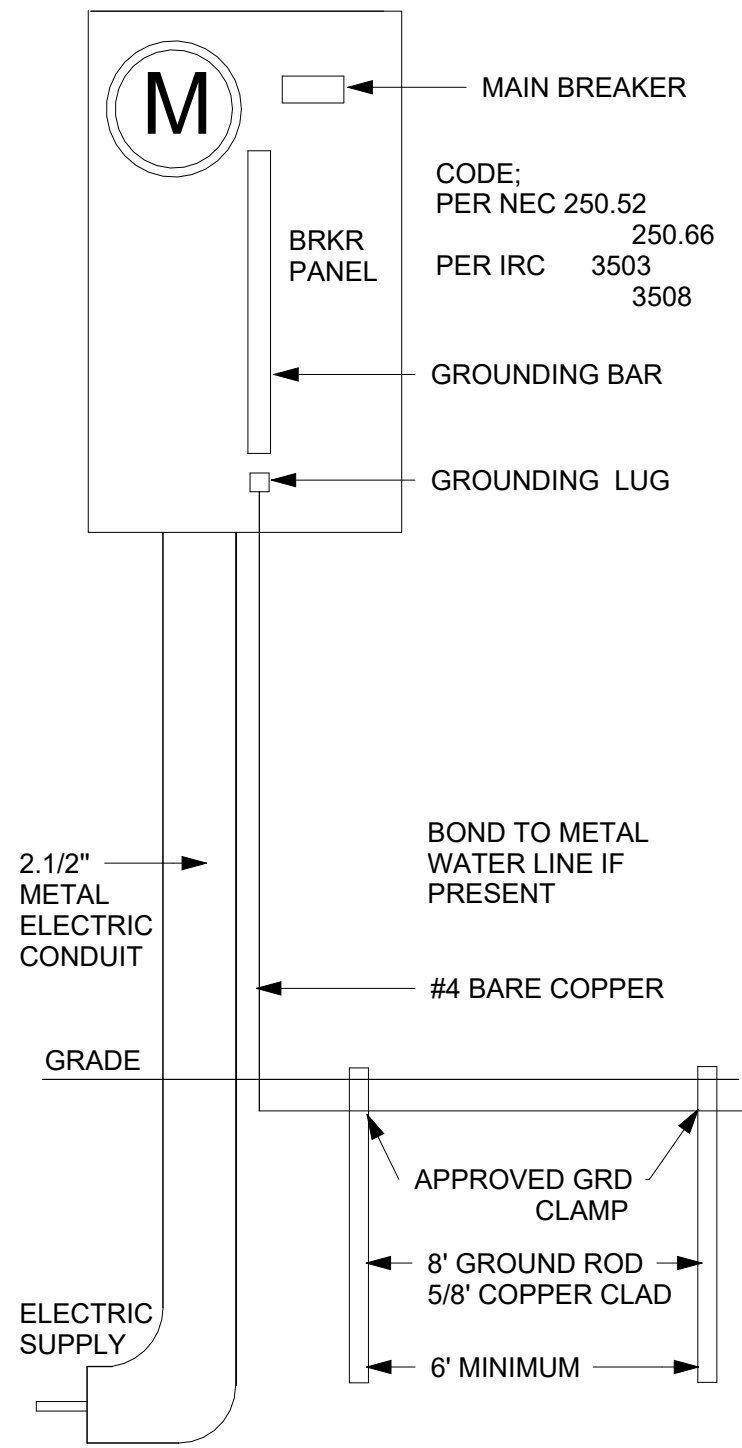
NOTE: APPLIANCE DISCONNECT

E4001.5 GROUNDING OF ENCLOSURES.
METAL ENCLOSURES FOR SWITCHES OR CIRCUIT BREAKERS SHALL BE CONNECTED TO AN EQUIPMENT GROUNDING CONDUCTOR.
METAL ENCLOSURES FOR SWITCHES OR CIRCUIT BREAKERS USED AS SERVICE EQUIPMENT SHALL COMPLY WITH THE PROVISIONS OF SECTION E3609.4. WHERE NONMETALLIC ENCLOSURES ARE USED WITH METAL RACEWAYS OR METAL-ARMORED CABLES, PROVISIONS SHALL BE MADE FOR CONNECTING THE EQUIPMENT GROUNDING CONDUCTOR.
NONMETALLIC BOXES FOR SWITCHES SHALL BE INSTALLED WITH A WIRING METHOD THAT PROVIDES OR INCLUDES AN EQUIPMENT GROUNDING CONDUCTOR. (404.12)

ELECTRICAL LEGEND

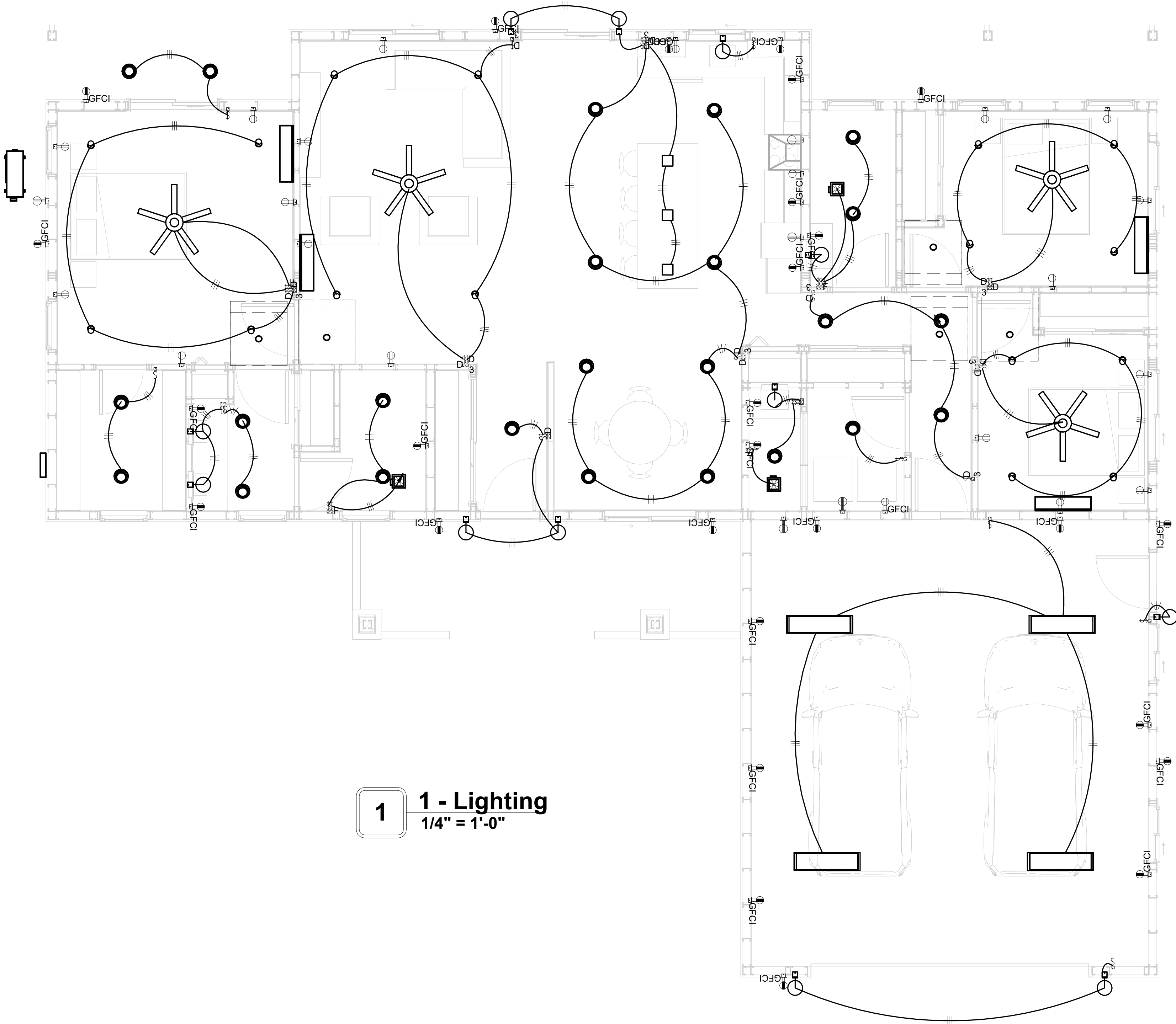
	Electrical Lights With Fan
	Waterproof Recessed Can Light
	Pendant Light
	Recessed Can Light
	Wall Lamp
	Standalone linear
	Single Switch
	Three way Switch
	Fan Switch
	Duplex Receptacle
	Triplex Receptacle
	GFCI Receptacle
	Exhaust Fan
	Smoke and heat detector

200 AMP METER SERVICE PANEL



2

SERVICE PANEL DIAGRAM
12" = 1'-0"



KEY PLAN

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

246-EMBER-1650-3Bd 2.5Ba
CRAFTSMAN-550

DRAWING NAME

LIGHTING

CLIENT NAME:	Owner
PROJECT NUMBER:	0139_16
DATE:	5/6/2025 4:52:53 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

E102

SCALE: As indicated

- NOTES: CONDUIT, CABLE AND WIRING
1.

Use Metallic Conduits (IMC) for cables running under concrete slabs.
2.

Use IMC for circuits with high voltage appliances (240 volts and above)
3.

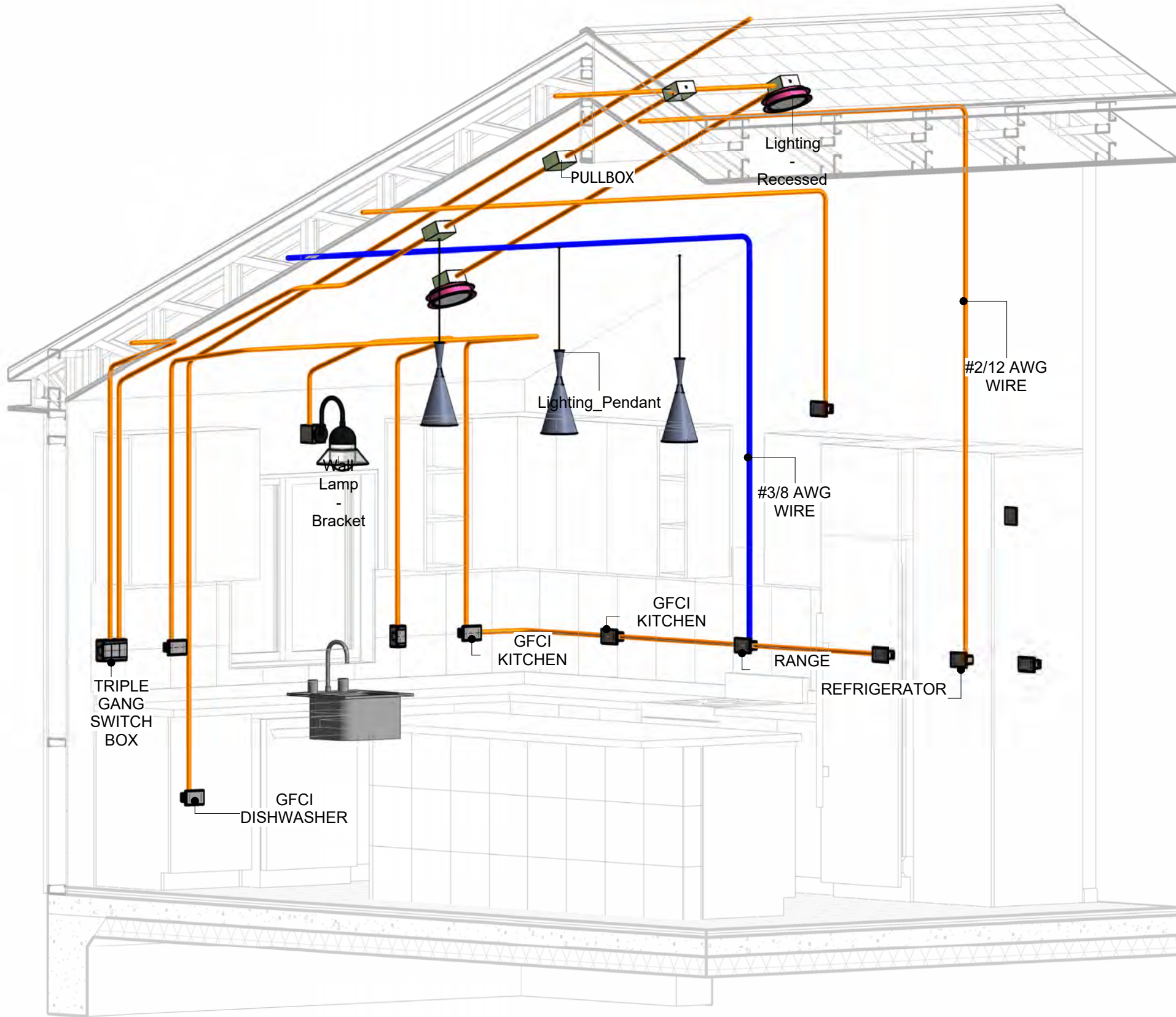
For circuits with 120 volts consider using EMT or PVC conduits if needed.
4.

For Low voltage applications up to 50 volts consider using non metallic conduits.
5.

All conduits to be used in the project must conform to the latest National Electrical Code (NEC), 2015.
6.

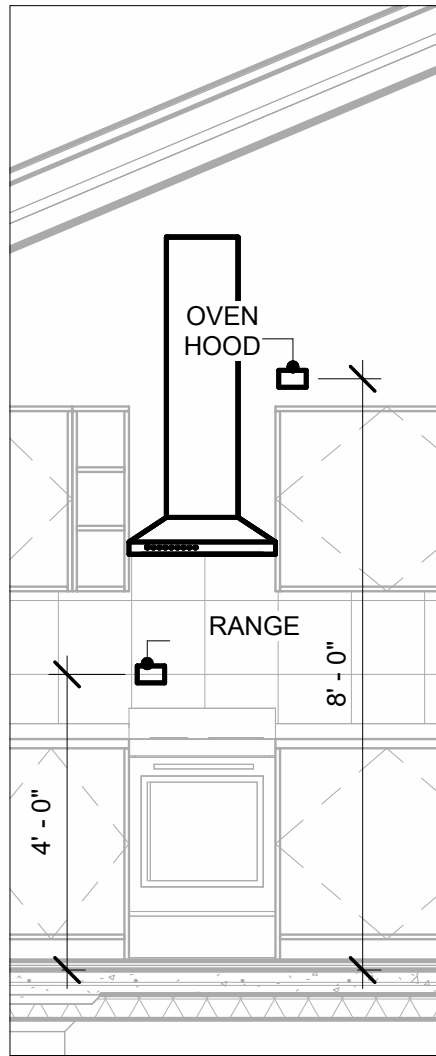
All wiring and cables to be used in the project must also conform to the latest National Electrical Code (NEC), 2015.
7.

All cables and wires used should be rated for their respective loading and should be gauged and conform to the NEC.



1

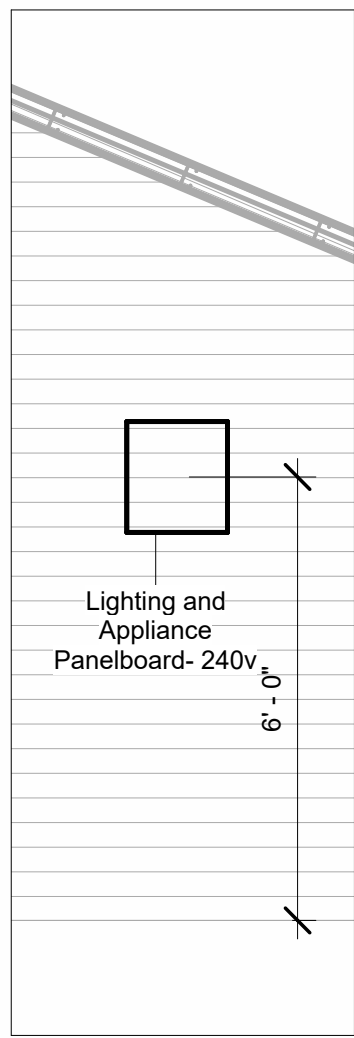
3D-KITCHEN



2

RANGE & OVENHOOD

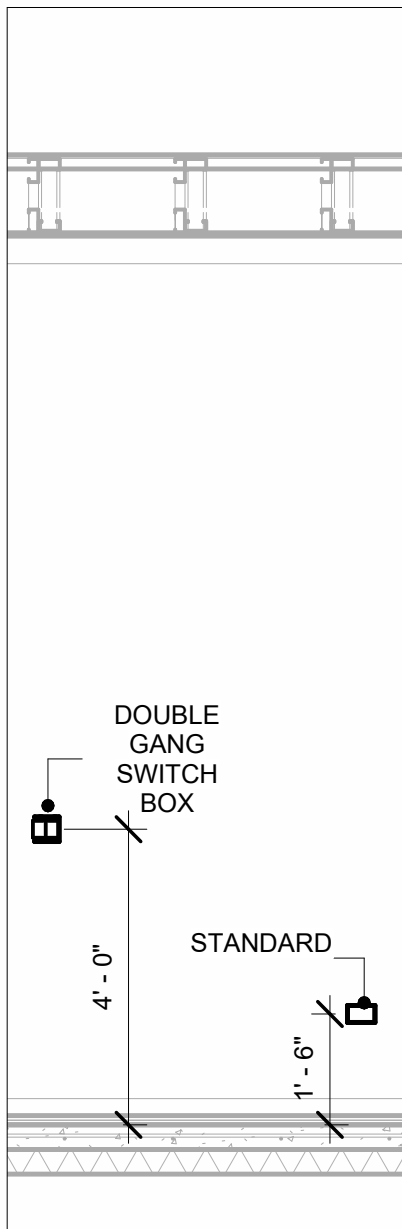
3/8" = 1'-0"



4

PANEL

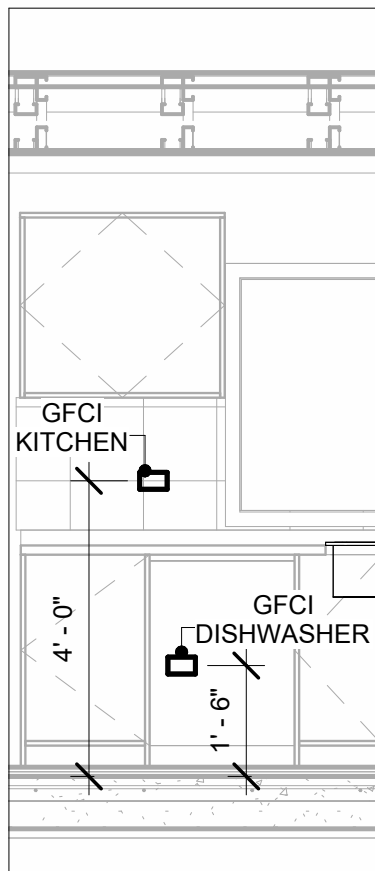
3/8" = 1'-0"



3

SWITCH BOX& RECEPTACLE

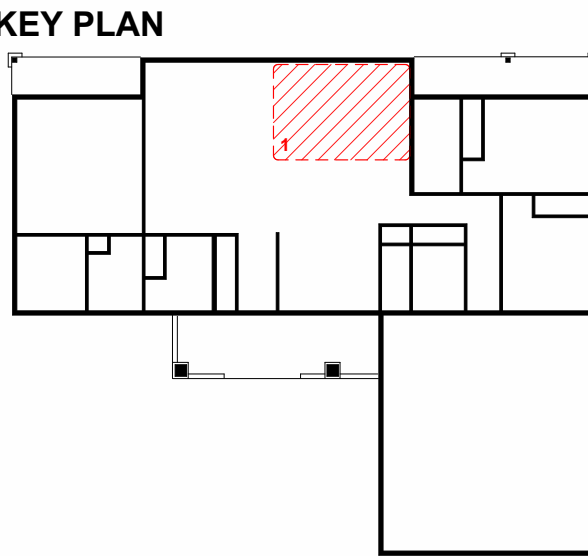
3/8" = 1'-0"



5

GFCI & DISHWASHER

3/8" = 1'-0"



NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

246-EMBER-1650-3Bd 2.5Ba
CRAFTSMAN-550

DRAWING NAME

POWER

CLIENT NAME:	Owner
PROJECT NUMBER:	0139_16
DATE:	5/6/2025 4:53:20 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

E103

SCALE: As indicated

NOTES: LIGHT

1. LIGHT FIXTURES AND LUMINARIES SHALL CONFORM TO THE NEC, THE IRC AND LOCAL SAFETY & BUILDING CODE.
2. ALL LIGHTING FIXTURES SHOULD CONFORM TO THE DESIGN ELECTRICAL LOAD AND SHALL BE PROPERLY WIRED AND MOUNTED BY QUALIFIED ELECTRICIAN FOLLOWING MANUFACTURERS SPECIFICATIONS.
3. CEILING FANS AND FANS WITH LIGHT WITH WEIGHT EXCEEDING 35 LBS SHOULD BE PROVIDED WITH STRUCTURAL BACKING FOR SUPPORT AND SHALL BE FIXED AS PER MANUFACTURERS SPECIFICATIONS.
4. EXTERIOR LIGHTS SHALL CONFORM TO LOCAL BUILDING CODE AND GUIDELINES.

NOTES: SWITCH JUNCTION BOX

1. THE MINIMUM SIZE OF JUCTION BOX TO BE USED IS 2"x4"x(1.5" OR 3.5" DEEP) THIS ARE TO BE USED FOR SINGLE GANG SWITCH OR OUTLETS.
2. FOR DOUBLE GANG (2 GANG) OUTLETS AND SWITCHS THE MINIMUM SIZE OF THE JUCTION BOX TO BE PROVIDED SHALL NOT BE LESS THAN 4"x4"x(1.5" OR 3.5" DEEP)
3. FOR THREE GANG (3 GANG) OUTLETS AND SWITCHS THE MINIMUM SIZE OF THE JUCTION BOX SHALL NOT BE LESS THAN 6"x4"x(1.5" OR 3.5" DEEP).

FITTING SCHEDULE(PULL BOX)

FAMILY	COUNT	DESCRIPTION
PULLBOX1	54	#1/4 PULLBOX

ELECTRICAL FIXTURE SCHEDULE (SWITCH BOX)

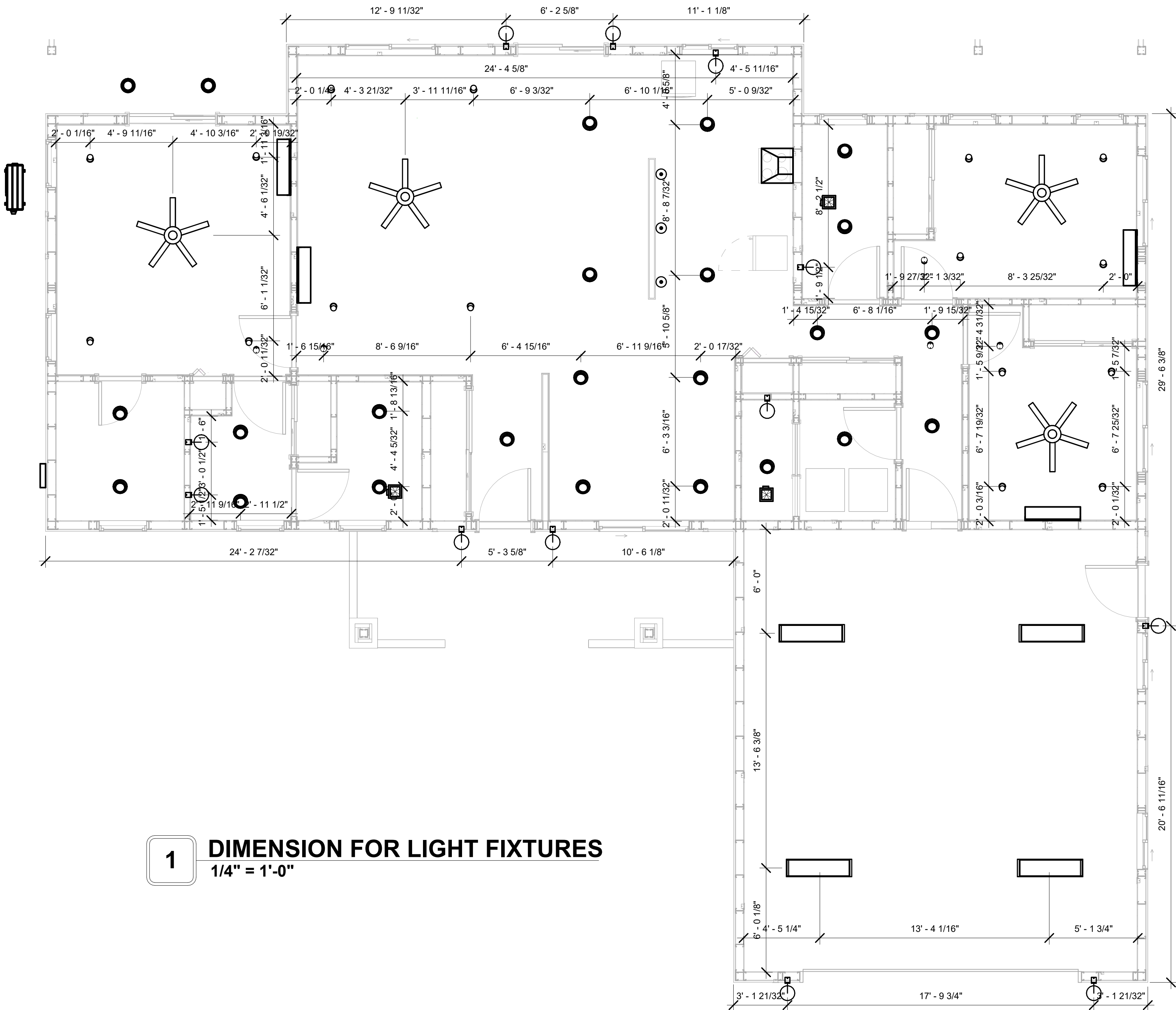
TYPE	COUNT
DOUBLE GANG SWITCH BOX	8
SINGLE GANG SWITCH BOX	11
TRIPLE GANG SWITCH BOX	3

LIGHTING DEVICE

TYPE	COUNT
DIMMER	7
FAN SWITCH	4
SINGLE POLE	16
THREE WAY WITH DIMMER	9

LIGHTING FIXTURE

LIGHTING FIXTURE TYPE	VOLTAGE	ELECTRICAL LOAD	COUNT
CEILING LIGHT - LINEAR BOX	120 V/1-40 VA	200 A, 120 V/240 V, SINGLE PHASE, 3 WIRES	4
ELECTRICAL_LIGHTS_FAN-LIGHT1	120 V/1-100 VA- 120 V/1-100 VA	200 A, 120 V/240 V, SINGLE PHASE, 3 WIRES	4
LIGHTING - RECESSED	120 V/1-60 VA	200 A, 120 V/240 V, SINGLE PHASE, 3 WIRES	24
LIGHTING_PENDANT	120 V/1-100 VA	200 A, 120 V/240 V, SINGLE PHASE, 3 WIRES	3
SASSO 100 ROUND WALLWASHER TRIM	120 V/1-28 VA	200 A, 120 V/240 V, SINGLE PHASE, 3 WIRES	16
WALL LAMP - BRACKET	120 V/1-100 VA	200 A, 120 V/240 V, SINGLE PHASE, 3 WIRES	12



1

DIMENSION FOR LIGHT FIXTURES
1/4" = 1'-0"

KEY PLAN

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

246-EMBER-1650-3Bd 2.5Ba
CRAFTSMAN-550

DRAWING NAME

DIMENSION PLAN
FOR LIGHT FIXTURES

CLIENT NAME:	Owner
PROJECT NUMBER:	0139_16
DATE:	5/6/2025 4:53:22 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

E104

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

1. VERIFY EQUIPMENT PLUG CONFIGURATION BEFORE PURCHASING RECEPTACLES FOR ALL EQUIPMENT.
3. COORDINATE EXACT LOCATION OF LIGHT FIXTURES, WALL SWITCHES, RECEPTACLES AND OTHER DEVICES WITH ARCHITECTURAL DRAWINGS.
4. USE METALLIC JUNCTION BOX WITH THE GFCI RECEPTACLES, WITH HIGHT VOLTAGE.

TYPE	COUNT
CONDENSER	1
DRYER	1
GFCI BATH ROOM	6
GFCI DISHWASHER	1
GFCI GARAGE	7
GFCI KITCHEN	5
GFCI OUT DOOR	9
GFCI WASHER	1
OVEN HOOD	1
RANGE	1
REFRIGERATOR	1
STANDARD	17
WATER HEATER	1

TYPE	CIRCUIT NUMBER	ELECTRICAL DATA	COUNT
STANDARD		120 V/1-180 VA	1
GFCI BATH ROOM	2	120 V/1-180 VA	3
GFCI BATH ROOM	8	120 V/1-180 VA	1
GFCI BATH ROOM	10	120 V/1-180 VA	2
CONDENSER	11,13	240 V/2-5000 VA	1
GFCI OUT DOOR	12	120 V/1-180 VA	9
GFCI KITCHEN	14	120 V/1-180 VA	5
GFCI WASHER	15	120 V/1-1200 VA	1
DRYER	16,18	240 V/2-5000 VA	1
WATER HEATER	17,19	240 V/2-4500 VA	1
GFCI GARAGE	20	120 V/1-180 VA	7
RANGE	21,23	240 V/2-5000 VA	1
OVEN HOOD	22	120 V/1-180 VA	1
REFRIGERATOR	24	120 V/1-1800 VA	1
GFCI DISHWASHER	25	120 V/1-1200 VA	1
STANDARD	26	120 V/1-180 VA	4
STANDARD	27	120 V/1-180 VA	4
STANDARD	28	120 V/1-180 VA	8

[illegible]

LEGEND:

246-EMBER-1650-3Bd 2.5Ba
CRAFTSMAN-550

DIMENSION PLAN FOR FITTINGS

CLIENT NAME:	Owner
PROJECT NUMBER:	0139_16
DATE:	5/6/2025 4:53:25 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

E105

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

SHEET LIST	
Sheet Number	Sheet Name

P101	NOTE AND SCHEDULE
P102	WATER SUPPLY
P103	SEWAGE SYSTEM

PIPE Color SCHEME

- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- SANITARY VENT
- SANITARY SEWER
- STORM DRAINAGE
- Gray Water
- GAS LINE

PLUMBING NOTES

1.

The plumbing system is designed to meet the building's domestic water supply, sanitary drainage, and storm drainage requirements, as per project specifications and applicable codes.
2.

The system installation shall comply with the latest International Plumbing Code (IPC), International Residential Code (IRC), and all other relevant local, state, and national regulations.
3.

ALL PLUMBING WORK SHALL COMPLY WITH THE LATEST EDITION OF THE INTERNATIONAL PLUMBING CODE (IPC) AND THE LOCAL PLUMBING CODE.
4.

PLUMBING SYSTEMS SHALL BE TESTED AND INSPECTED IN ACCORDANCE WITH THE LOCAL PLUMBING CODE REQUIREMENTS.
5.

PLUMBING FIXTURES SHALL BE INSTALLED WITH THE APPROPRIATE TRIM, FITTINGS, AND ACCESSORIES, AS RECOMMENDED BY THE MANUFACTURER.
6.

PIPING SHALL BE PROPERLY SUPPORTED AND SECURED TO PREVENT SAGGING, MOVEMENT, AND VIBRATION.
7.

SHUT-OFF VALVES SHALL BE PROVIDED AT ALL BRANCH CONNECTIONS AND AT THE INLET AND OUTLET OF EACH PIECE OF EQUIPMENT.
8.

BACKFLOW PREVENTION DEVICES SHALL BE INSTALLED AS REQUIRED BY THE LOCAL PLUMBING CODE TO PROTECT THE POTABLE WATER SYSTEM.
9.

PLUMBING FIXTURES AND EQUIPMENT SHALL BE ACCESSIBLE FOR MAINTENANCE AND SERVICING.
10.

EXPOSED PLUMBING PIPING AND FIXTURES SHALL BE INSULATED TO PREVENT CONDENSATION AND ENERGY LOSS.
11.

DEAD ENDS IN THE DRAINAGE SYSTEM MUST BE AVOIDED, EXCEPT WHERE NECESSARY TO INSTALL A CLEANOUT IN AN ACCESSIBLE LOCATION, AND MUST HAVE A VENTED CONNECTION TO THE OUTSIDE ATMOSPHERE.
12.

THE VERTICAL DEFLECTION OF PVC PIPE MUST NOT EXCEED 5%, AND NO DEFLECTION IS PERMITTED FOR IRON PIPE.
13.

WORK MUST BE PROPERLY COORDINATED WITH OTHER TRADES TO AVOID CONFLICTS, REFERRING TO THE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR INFORMATION REGARDING CEILING ELEVATIONS, SPACE CLEARANCES, WALL AND PARTITION LOCATIONS, ETC.
14.

ALL FIXTURES SHALL HAVE ACCESSIBLE STOPS.
15.

DOMESTIC WATER PIPING SHALL BE PEX, AND PVC PIPING IS NOT ACCEPTABLE FOR INTERIOR USE.
16.

VENT TERMINATIONS SHALL BE LOCATED AT LEAST 10 FEET FROM OR 3 FEET ABOVE ANY OPERABLE WINDOW, DOOR OPENING, AIR INTAKE, OR VENT SHAFT, AND AT LEAST 3 FEET IN EVERY DIRECTION FROM ANY LOT LINE, ALLEY, OR STREET.
17.

PIPE AND FITTINGS UTILIZED IN THE WATER SUPPLY SYSTEM SHALL HAVE A MAXIMUM OF 8 PERCENT LEAD.
18.

ACRYLONITRILE BUTADIENE STYRENE (ABS) SHALL BE USED FOR THE SEWERAGE AND VENTILATION SYSTEM.
19.

CROSS-LINKED POLYETHYLENE (PEX) SHALL BE USED FOR THE WATER SUPPLY SYSTEM.
20.

POLYVINYL CHLORIDE (PVC) SHALL BE USED FOR THE RAIN WATER SYSTEM.
21.

THE MINIMUM WATER SUPPLY DEPTH UNDER FLOOR FINISH SHOUD BE 1/2".
22.

ANY PIPE INSTALLED UNDERGROUND MUST HAVE AT LEAST 12 INCHES OF CLEARANCE BETWEEN THE OUTSIDE OF THE PIPE AND ANY OTHER UNDERGROUND STRUCTURE.
23.

THE MINIMUM CLEARANCE BETWEEN COLD AND HOT WATER LINES IN RESIDENTIAL HOMES MAINTAIN A MINIMUM DISTANCE OF 6 INCHES.
24.

HORIZONTAL SEPARATION BETWEEN WATER AND SEWER LINES : A MINIMUM OF 12 INCHES BETWEEN POTABLE WATER SUPPLY LINES (COLD AND HOT WATER) AND SANITARY SEWER LINES.

ABBREVIATIONS

Ø	Diameter
ABS	ACRYLONITRILE BUTADIENE STYRENE
ABV	ABOVE
AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
BFF	BELOW FINISHED FLOOR
BLW	BELOW
CO	CLEAN OUT
CW	COLD WATER
D	DEGREE
DFU	Dranage FIXTURE UNIT
DIA	DIAMETER
DN	DOWN
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FL	FLOOR
FS	FLOOR SINK
FT	FOOT/FEET
HB	HOSE BIB
HW	HOT WATER
IN	INCH
MIN	MINIMUM
NO	NUMBER
NTS	NOT TO SCALE
PEX	CROSS-LINKED POLYETHYLENE
PLBG	PLUMBING
PVC	POLYVINYL CHLORIDE
QTY	Quantity
RD	ROOF DRAIN
RED	REDUCER
RM	ROOM
RW	RAIN WATER
SF	SQUARE FOOT
V	VENT
VTR	VENT THROUGH ROOF
W	WASTE
WCO	WALL CLEAN OUT
WSFU	WATER SUPPLY FIXTURE UNIT

PLUMBING LEGEND

	Cap
	Bend 45 Deg
	Bend 90 Deg
	Tee Reducing
	Tee
	Clean Two-Way
	Wye 45 Deg
	Wye 45 Deg Double
	Wye Combination
	P-Trap

PIPE SCHEDULE

Material	Diameter	Length
Acrylonitrile Butadiene Styrene (ABS)	1 1/2"	18 ft
Acrylonitrile Butadiene Styrene (ABS)	2"	78 ft
Acrylonitrile Butadiene Styrene (ABS)	3"	90 ft
Cross-linked polyethylene (PEX)	1/2"	262 ft
Cross-linked polyethylene (PEX)	3/4"	54 ft
Cross-linked polyethylene (PEX)	1"	0 ft
Polyvinyl Chloride - Rigid	2"	99 ft

FITTING SCHEDULE

FITTING	Size	QTY
Domestic Cold Water		
PEX 90 Deg Elbow	1/2"ø-1/2"ø	2
PEX 90 Degree Elbow	1/2"ø-1/2"ø	26
PEX 90 Degree Elbow	3/4"ø-3/4"ø	3
PEX Cross Elbow	1/2"ø-1/2"ø-1/2"ø-1/2"ø	1
PEX Tee Elbow	1/2"ø-1/2"ø-1/2"ø	8
PEX Tee Elbow	3/4"ø-3/4"ø-3/4"ø	2
PEX Transition Elbow	1"ø-3/4"ø	2
PEX Transition Elbow	3/4"ø-1/2"ø	1

Domestic Hot Water		
PEX 90 Degree Elbow	1/2"ø-1/2"ø	20
PEX 90 Degree Elbow	3/4"ø-3/4"ø	3
PEX Tee Elbow	1/2"ø-1/2"ø-1/2"ø	7
PEX Transition Elbow	3/4"ø-1/2"ø	1

Rain Water		
PVC 90 Deg Bend Elbow	2"ø-2"ø	39

Sewage		
ABS 90 Degree Bend Elbow	1 1/2"ø-1 1/2"ø	3
ABS 90 Degree Bend Elbow	2"ø-2"ø	3
ABS 90 Degree Bend Elbow	3"ø-3"ø	6
ABS P-Trap	2"ø-2"ø	3
ABS P-Trap	3"ø-3"ø	2
ABS Reducer Elbow	2"ø-1 1/2"ø	2
ABS Reducer Elbow	3"ø-1 1/2"ø	3
ABS Reducer Elbow	3"ø-2"ø	9
ABS TEE Elbow	1 1/2"ø-1 1/2"ø-1 1/2"ø	2
ABS TEE Elbow	2"ø-2"ø-2"ø	3
ABS TEE Elbow	3"ø-3"ø-3"ø	14
ABS Trap P	1 1/2"ø-1 1/2"ø	2
ABS Trap P	2"ø-2"ø	3
ABS Trap P	3"ø-3"ø	1

Vent		
ABS Vent Cap Elbow	1 1/2"ø	1
ABS Vent Cap Elbow	2"ø	5

FIXTURE CONNECTION SCHEDULE

Family	W	V	Trap	CW	HW	QT Y	DFU	TOT.	WF U	TOT .	NOTES
--------	---	---	------	----	----	---------	-----	------	---------	----------	-------

Dishwasher	2"	1-1/2"	1-1/2"	1/2"	1/2"	1		0			Drain to sewer see plans
Dryer	N/A	N/A	N/A	N/A	N/A	1		0			
Hanging pipes clamp						26		0			
Shower Tray						2		0			
Shower Trim	-	-	-	1/2"	1/2"	2		0			
Sink Island Single	2"	1-1/2"	1-1/2"	1/2"	1/2"	1		0			
Vanity Sink	2"	1-1/2"	1-1/2"	1/2"	1/2"	4		0			
Washer	2"	1-1/2"	2"	1/2"	1/2"	1		0			DRAINS TO GRAY WATER OR SEWER SEE PLANS
Water Closet	3"	2"	3"	1/2"	1/2"	3		0			
Water Heater	N/A	N/A	N/A	3/4"	3/4"	1		0			

FIXTURE SCHEDULE

fixture	QTY	Description
Dishwasher	1	Drain to sewer see plans
Dryer	1	
Hanging pipes clamp	26	
Shower Tray	2	
Shower Trim	2	
Sink Island Single	1	
Vanity Sink	4	
Washer	1	DRAINS TO GRAY WATER OR SEWER SEE PLANS
Water Closet	3	
Water Heater	1	

ACCESSORIES & FITTINGS SCHEDULE

fixture	QTY	Descriptions
DISHWASHER CONNECTOR	1	
Hose Bib	1	
LAUNDRY SWEAT CONNECTOR	1	
Shutoff Valve	12	

PLUMBING SCHEDULE

FIXTURE	Trap	Waste	Vent	C.W	H.W
Dishwasher	1-1/2"	2"	1-1/2"	1/2"	1/2"
Dryer	N/A	N/A	N/A	N/A	N/A
Shower Tray					
Shower Trim	-	-	-	1/2"	1/2"
Sink Island Single	1-1/2"	2"	1-1/2"	1/2"	1/2"
Vanity Sink	1-1/2"	2"	1-1/2"	1/2"	1/2"
Washer	2"	2"	1-1/2"	1/2"	1/2"
Water Closet	3"	3"	2"	1/2"	1/2"
Water Heater	N/A	N/A	N/A	3/4"	3/4"

WATER FIXTURE UNIT SCHEDULE

Family	QTY	UNIT VALUE	TOTAL
Dishwasher	1		0
Dryer	1		0
Shower Tray	2		0
Shower Trim	2		0
Sink Island Single	1		0
Vanity Sink	4		0
Washer	1		0
Water Closet	3		0
Water Heater	1		0

WASTE FIXTURE UNIT SCHEDULE

Family	QTY	DFU Values	TOTAL
Dishwasher	1		0
Dryer	1		0
Hanging pipes clamp	26		0
Shower Tray	2		0
Shower Trim	2		0
Sink Island Single	1		0
Vanity Sink	4		0
Washer	1		0
Water Closet	3		0
Water Heater	1		0



KEY PLAN

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

246-EMBER-1650-3Bd 2.5Ba
CRAFTSMAN-550

DRAWING NAME

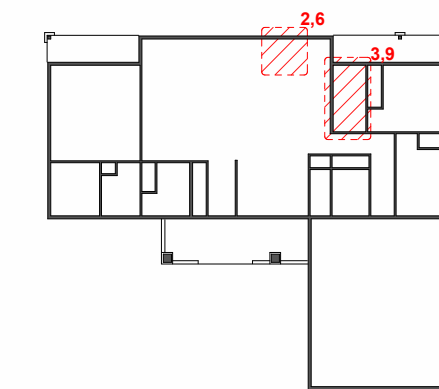
NOTE AND
SCHEDULE

CLIENT NAME:	
PROJECT NUMBER:	0139_16
DATE:	5/6/2025 2:04:58 AM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

P101

SCALE: 1/2" = 1'-0"

KEY PLAN



NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

246-EMBER-1650-3Bd 2.5Ba
CRAFTSMAN-550

DRAWING NAME

WATER SUPPLY

CLIENT NAME:

PROJECT NUMBER: 0139_16

DATE: 5/6/2025 2:05:22 AM

DESIGNED BY: Designer

DRAWN BY: Author

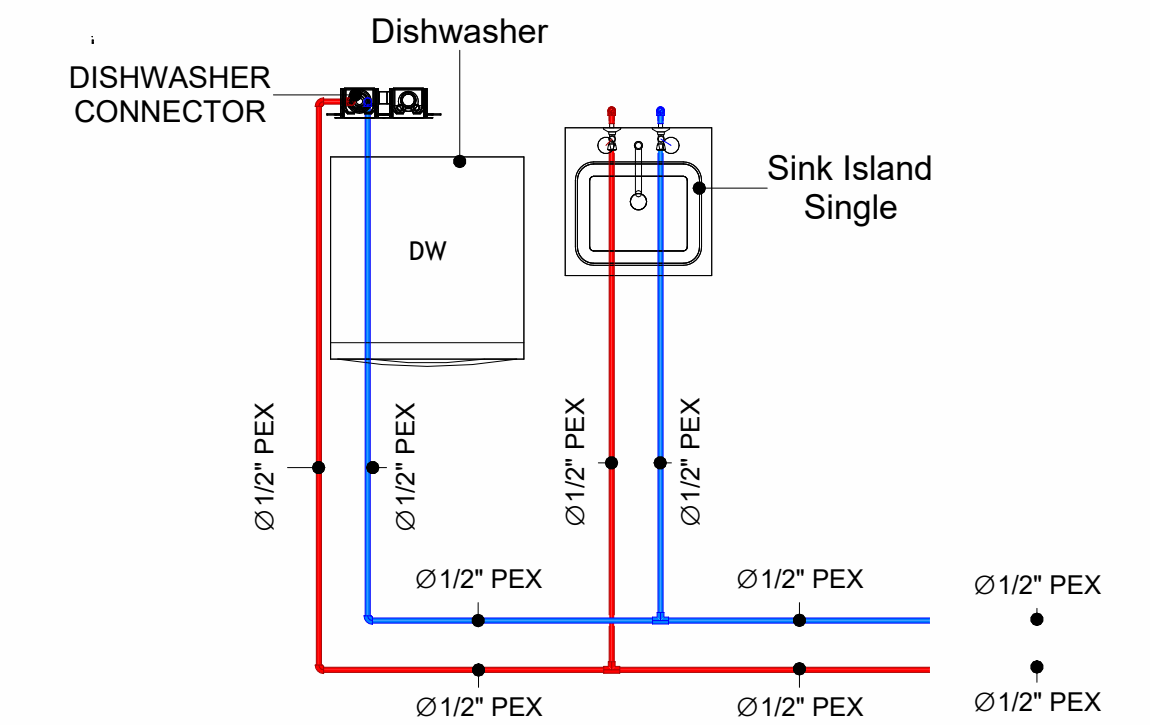
CHECKED BY: Checker

P102

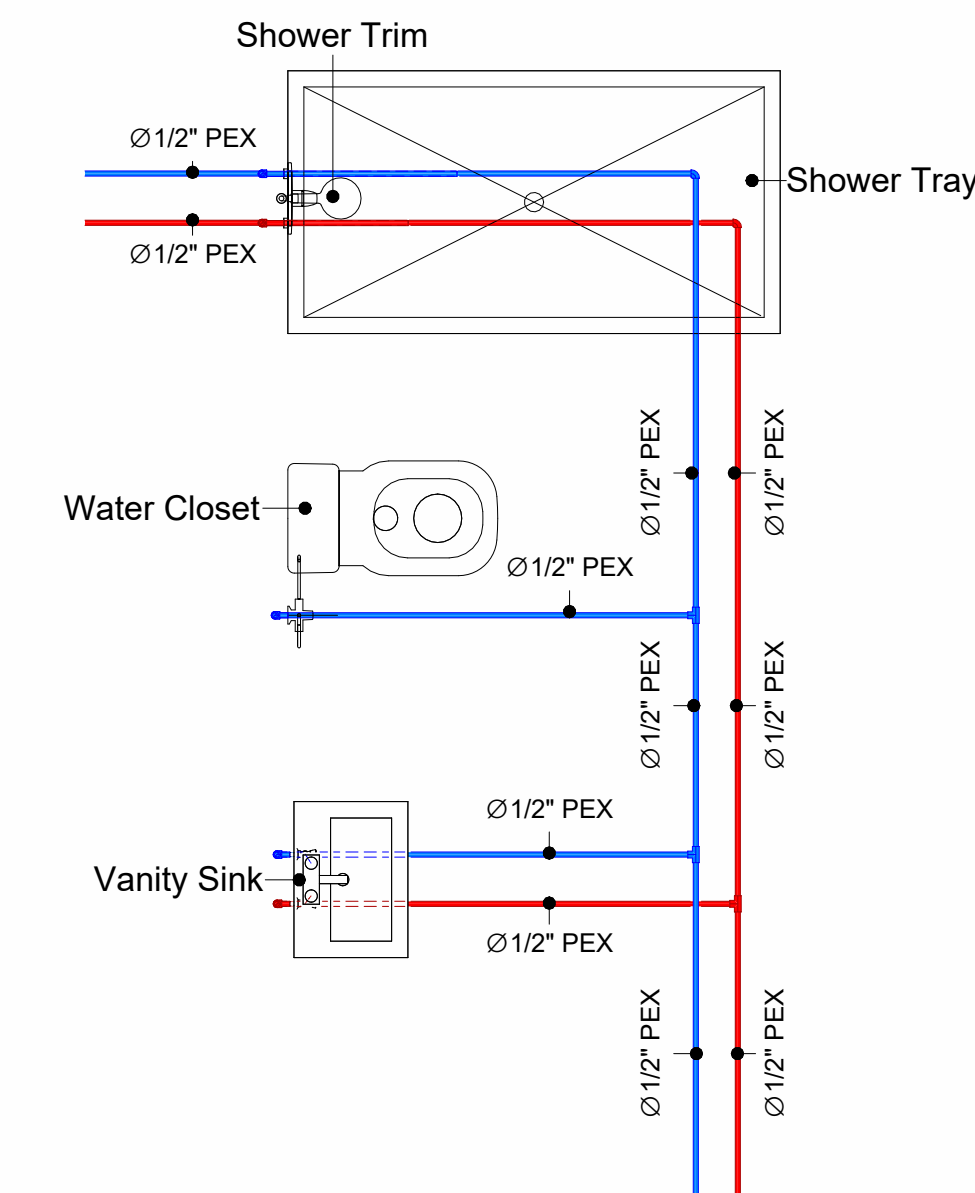
SCALE: As indicated

PIPE Color SCHEME	
—	DOMESTIC COLD WATER
—	DOMESTIC HOT WATER
---	SANITARY VENT
---	SANITARY SEWER
---	STORM DRAINAGE
---	Gray Water
---	GAS LINE

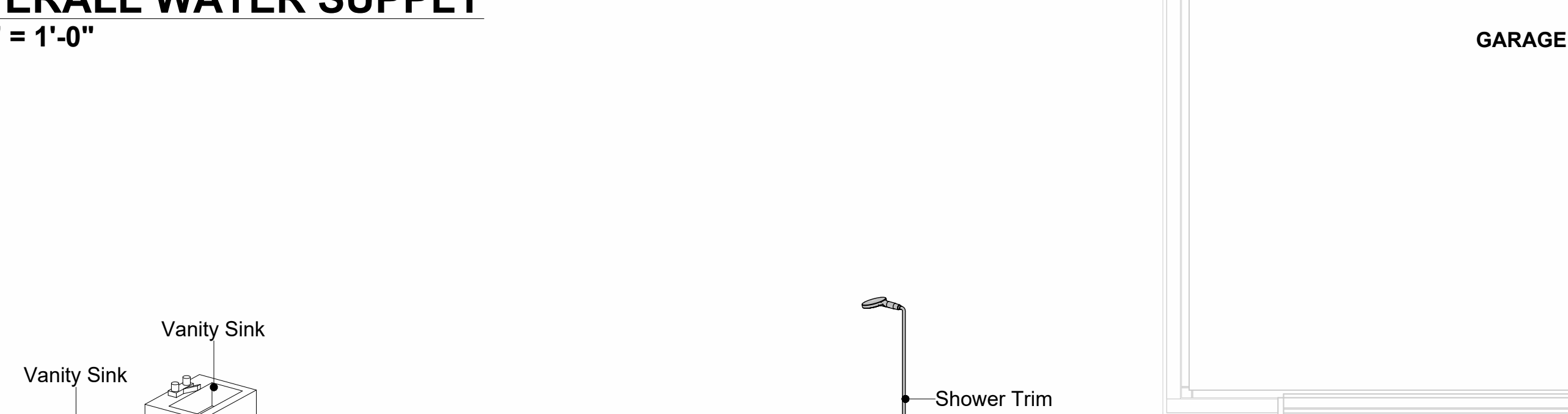
2 KITCHEN WATER SUPPLY
1/2" = 1'-0"



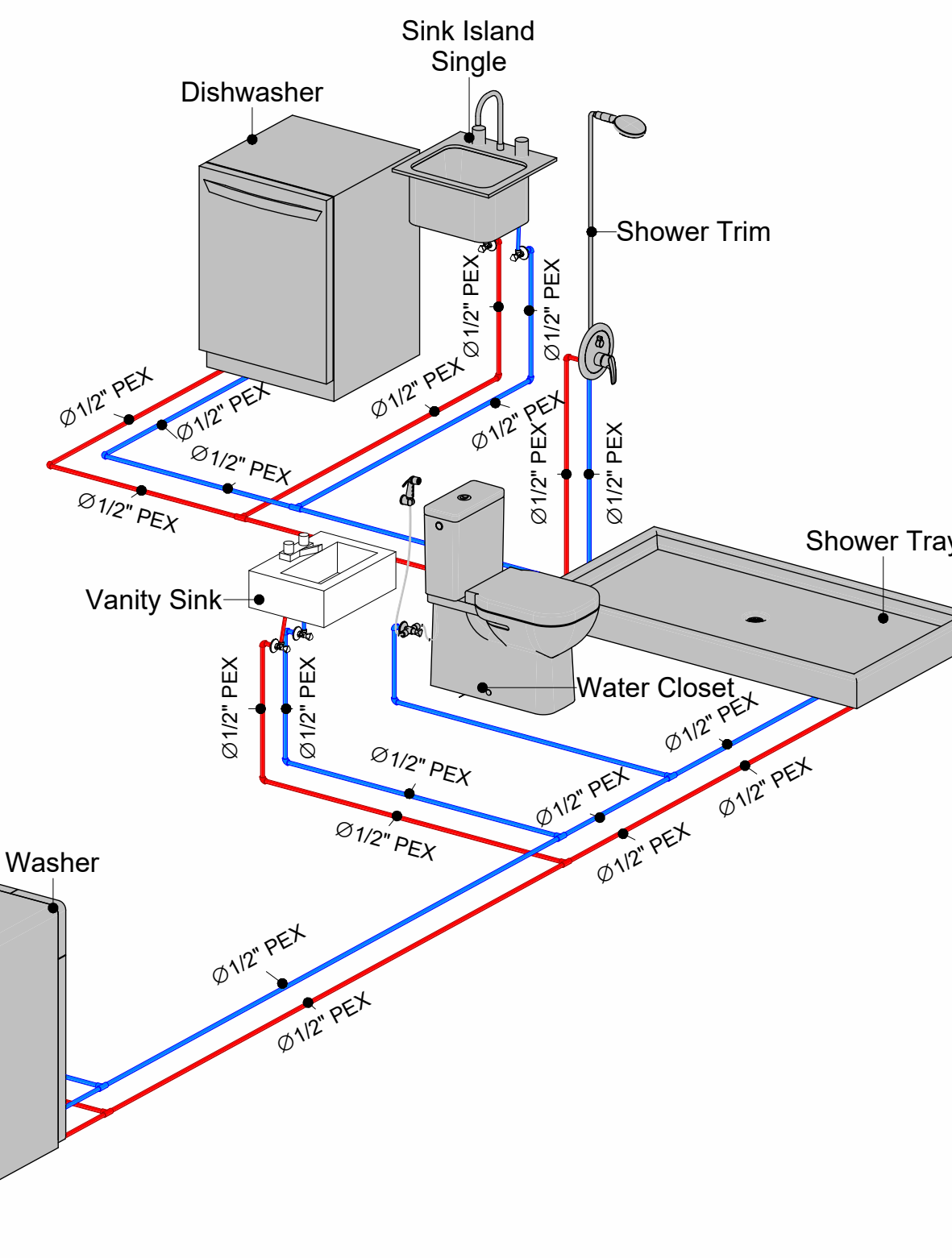
3 BATH WATER SUPPLY
1/2" = 1'-0"



1 OVERALL WATER SUPPLY
1/4" = 1'-0"



4 WATER SUPPLY RISER DIAGRAM



Materials Shopping List

Please print and take this Materials Shopping List to your favorite Home Depot and ask for assistance in selecting the materials, fixtures and fittings to complete your new home.

Record your selection and the price of the item. Then do the math to determine the cost for your selections and the total cost of finishing your home.

Have It Your Way!

The material types listed in this document were selected based on personal preferences. The Customer is encouraged to make changes to the material types in accordance with local customs, regulations, and personal preferences.
Have It Your Way!



20 good reasons to frame a home with metal and not wood



Why build your ADU with metal vs wood		Wood	Metal	Explanation
1	DIY Construction Benefit	☐	☒	The wall frames, trusses and beams can be erected in a just a few days
2	Minimal Construction Skills Required	☐	☒	Pre-assembled walls and trusses require no specialized skills to erect
3	Build as DIY, Hybrid or by a General Contractor	☐	☒	Do it yourself, Hybrid (involve special contractors) or hire a General Contractor
4	Build It As You Can Afford It	☐	☒	Impervious to Weather - build as you have the time and money
5	Up Front Cost of Framing Materials	☒	☐	As to only the framing material, wood is less expensive
6	Total Cost To Build	☐	☒	Savings in time, labor, and other areas make light gauge steel LESS expensive
7	Termites and wood boring insects	☐	☒	Termites, carpenter ants and wood boring insects eat wood, not metal
8	Mold resistant	☐	☒	Metal does not attract mold
9	Damage caused by exterior and interior flooding	☐	☒	Metal needs no reconditioning after a flood
10	Fire Resistant	☐	☒	Non-combustible
11	Lower insurance rates	☐	☒	Many insurance underwriters now provide lower rates for metal framed homes
12	Walls, trusses, and beams retain their original form	☐	☒	Perfectly straight walls - no shimming of drywall
13	Corners are 90 degrees	☐	☒	No need for templating of countertops to adjust for out of square corners
14	Strength and weight	☐	☒	Metal is stronger than wood and weighs less - no need for crane to lift ADU trusses
15	IBC Engineered Stamp	☐	☒	If an engineering stamp is necessary, months of waiting are saved
16	Complete BOM (Materials Shopping List)	☐	☒	Take the materials shopping list to Home Depot and start shopping/pricing
17	Flexible in Seismic Areas - Won't Fracture	☐	☒	Light gauge steel is flexible and won't fracture when the earth moves
18	No Waste At Job Site	☐	☒	Steel is the most recycled material in the world. A typical wood home has 20-30% waste
19	Environmentally Friendly	☐	☒	Trees don't have to be destroyed and the source of most metal is from recycling
20	How-To Videos Included	☐	☒	How-to videos provide simple assembly instructions
21	Relationship Counselor	☐	☒	Eliminate emotional uphevels - save time, money, and preserve the relationship

Universal Requirements - some or all may be required	
1	Site plan
2	Electrical Supply Connection
3	Sewer Connection
4	Fresh Water Supply Connection
5	Set Backs
6	Soils Evaluation
7	Earthquake (fault) evaluation
8	Foundation Plan - subject to soils
9	Compliance with local energy codes: insulation home wrap and flashing
10	Engineering for wind speed and snow load.
11	State and Local ordinances regarding ADUs
12	Local Architect and/or Engineer may be necessary



Ember-3Bd2.5Ba-Craftsman

MATERIAL SHOPPING LIST

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All quantities and specifications are subject to change based on the final design, field measurements, availability of products and customer preferences. The customer should verify all information prior to purchasing materials.
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All products and elements in the list shall conform to the International Residential Code (IRC), or any other local and international building codes, safety regulations, and standards that are applicable to the location of the structure.
- 4

If any changes are made by the customer to the list of materials specified in this document, the customer is responsible for assuring that the correct type and quantity of materials are utilized in accordance with local building codes.
- 5

FrameUpNow, will not be held responsible for any misuse of this document, the products listed, or for deviations from the content that are made due to changes in specifications, pricing, availability, or customer preferences.
- 6

The customer is advised to consult a qualified professional or technician prior to purchasing materials for specialized construction system items. Some items including but not limited to caseworks, doors and windows may require as built measurements prior to purchase to confirmation of final dimensions.
- 7

If there are additional trim elements or specific installation methods, the total amount of materials needed might vary. Consider any additional trim required for corners, intersections, or other architectural details that might cause this variations before proceeding to purchase and construction.

ARCHITECTURAL BOM



Ember-3Bd2.5Ba-Craftsman							
ARCHITECTURAL MATERIAL SHOPPING LIST							
No.	Item	Type	Unit	Quantity	Unit Price	Total	Description
APPLIANCES							
1	Refrigerator		PCS	1			
2	Range		PCS	1			
3	Washer		PCS	1			
4	Dryer		PCS	1			
5	Dish Washer		PCS	1			
6	Oven		PCS	0			
7	Microwave		PCS	0			
CASEWORKS							
1	Kitchen Cabinet		FT	21.75			
2	Laundry Cabinet		FT	0			
3	Vanity Cabinet		FT	12.5			
4	Medicine Cabinet		PCS	4			
5	Kitchen countertop		SF	61.81			
6	Laundry Countertop		PCS	0			
7	Bathroom Countertop		SF	0			
8	Island		FT	8.3			
9	Peninsula		FT	0			
10	Closets		SF	308			
CEILING							
1	Ceiling Board	Dry Wall	SF	2066			
2	Dry Wall Fastener	Screw	PCS	3616			
3	Vapor Retarder	Polyethylene film	SF	2472			
4	Vapor Retarder Fastener	Nails with washer heads	PCS	7416			
5	Ceiling Board (MRD)	Moisture resistant drywall	SF	187			
6	MRD Fastener		PCS	327			
7	Ceiling Board	Marine Plywood	SF	219			
8	Marine Plywood Fastener	Screw	PCS	383			
9	Dry Wall Tape		FT	1236			
FLOORING							
1	Main Living Space		SF	755.7			
2	Bathroom		SF	176.6			
3	Bedrooms		SF	495.4			
4	Garage		SF	565.3			
5	Porch		SF	290.9			
STRUCTURE							
1	Foundation		SF	2496.8			
WALLS EXTERIOR							
1	Exterior Wall Siding		SF	1859			
2	Wall Paint		SF	1859			
3	Wall Shteaching (OSB)		SF	1859			
4	Shteathing Fastener	Self-drilling screws(100/pkt)	PKT	19			
5	Wall Insulation		SF	7144			
6	Wall Homewrap		SF	1859			
7	Home wrap Fastener	Stapled fastener (200/pkt)	PKT	7			
8	Furring Strip		PCS	232			
9	Furring Strip Fastener	Self-drilling screws(100/pkt)	PKT	18.59			
10	Stone Copping	Masonry stone	SF	4			
11	Stone Veneer	Masonry stone	SF	32			
WALLS INTERIOR							
1	Cementitious Backer Board		SF	955			
2	Kerdi membrane		SF	955			
3	Kerdi membrane Fastener		SF	955			
4	Wall Ceramic Tile		SF	955			
5	Drywall Board		SF	4735			
6	Drywall Fastener	Self-drilling screws(100/pkt)	PKT	47.35			
7	Wall Paint		SF	4735			
8	Drywall Tape		FT	862			
9	Wall Skirting		FT	301			

ARCHITECTURAL BOM



🏠 DOORS						
1	Interior Swinging	3' - 0" X 6'-8"	PCS	6		
2	Exterior Swinging	3' - 0" X 6'-8"	PCS	2		
3	Interior Swinging	2' - 6" X 6'-8"	PCS	1		
4	Interior Swinging	3' - 0" X 6'-8"	PCS	2		
5	Patio Sliding	5' - 0" X 6'-8"	PCS	2		
6	Interior Sliding	7' - 0" X 6'-8"	PCS	1		
7	Interior Sliding	5' - 8" X 6'-8"	PCS	2		
8	Pocket Door	3' - 0" X 6'-8"	PCS	1		
9	Interior Sliding	5' - 4" X 6'-8"	PCS	1		
10	Folding	2' - 8" X 6'-8"	PCS	1		
11	Folding	1' - 8" X 6'-8"	PCS	1		
12	Interior Sliding	4' - 0" X 6'-8"	PCS	1		
13	Garage Door	16' - 0" X 6'-6"	PCS	1		
14	Exterior Door Trim		FT	109		
15	Interior Door Trim		FT	624		
16	Entry Lock set		PCS	5		
17	Privacy Lock set		PCS	10		
18	Passage Lock set		PCS	7		
🏠 WINDOWS						
1	Sliding	3' - 3" X 3'-3"	PCS	3		
2	Single Hung	2' - 9" X 3'-3"	PCS	8		
3	Sliding	5' - 3" X 3'-9"	PCS	4		
4	Exterior Window Trim		FT	210		
5	Interior Window Trim		FT	210		
🏠 ROOF						
1	Roof Covering		SF	3021.0		
2	Roof Covering Fastener		PCS	1511		
3	Roof Felt Paper		SF	3021.0		
4	Roof Felt Paper Fastener		PCS	9063.0		
5	Roof Sheathing		SF	3021		
6	Roof Sheathing Fastener		PCS	24168		
7	Batten		FT	0.0		
8	Batten Fastener		PCS	0.0		
9	405		SF	294.0		
10	Soffit Fastener		PCS	147.0		
11	Fascia		FT	268.0		
12	Fascia board fastener		PCS	134		
13	Roof Insulation		SF	3021.0		

Ember-3Bd2.5Ba-Craftsman

ELECTRICAL MATERIAL SHOPPING LIST

No.	Item	Type	Unit	Quantity	Unit Price	Total	Description
⬇ LIGHTING FIXTURES							
1	Kitchen Ceiling Light		PCS	7			
2	Kitchen Wall Mounted Light		PCS	1			
3	Exterior Wall Mounted Light		PCS	8			
4	Livingroom Ceiling Light With Fan		PCS	1			
5	Bedroom Ceiling Light With Fan		PCS	3			
6	Dining Ceiling Light		PCS	4			
7	Bath Wall Mounted Light		PCS	4			
8	Bathroom Ceiling Light		PCS	8			
9	Livingroom Ceiling Light		PCS	4			
10	Bedroom Ceiling Light		PCS	12			
11	Hall & Entry Ceiling Light		PCS	4			
12	Garage Ceiling Light		PCS	4			
13	WIC Ceiling Light		PCS	2			
14	Exterior Ceiling Light		PCS	2			
15	Smoke Detector		PCS	5			
⬇ ELECTRICAL FITTINGS							
16	Standard Receptacle 120V	20A	PCS	17			
17	GFCI Receptacle 120V	20 A	PCS	31			
18	GFCI Receptacle 240V	30 A	PCS	2			
19	GFCI Receptacle 240V	50 A	PCS	1			
20	GFCI Receptacle 240V	60 A	PCS	1			
21	Fan Switch		PCS	4			
22	Single Pole Switch		PCS	16			
23	Three Way Switch		PCS	9			
24	Dimmer Switch		PCS	7			
⬇ ELECTRICAL CONDUITS & WIRING							
25	ROMEX 14 AWG	14/2/W/ground	FT	190			
26	ROMEX 12 AWG	12/3/W/ground	FT	0			
27	ROMEX 12 AWG	12/2/W/ground	FT	654			
28	ROMEX 10 AWG	10/3/W/ground	FT	113			
29	ROMEX 10 AWG	10/2/W/ground	FT	333			
30	Romex 8 AWG	8/3/W/ground	FT	70			
31	Romex 8 AWG	8/2/W/ground	FT	281			
32	ROMEX 6 AWG	6/3/W/ground	FT	26			
33	Bare Copper Ground Wire 6 AWG		FT				
⬇ ELECTRICAL BOXES & CIRCUTES							
34	Panelboard -240V 1 Phase MLO	200 AMP	PCS	1			
35	Circuit breaker	15 A	PCS	3			
36	Circuit breaker	20 A	PCS	17			
37	Circuit breaker	30 A	PCS	2			
39	Circuit breaker	50 A	PCS	1			
40	Circuit breaker	60 A	PCS	1			
41	Single Gang Switch Box		PCS	11			
42	Double Gang Switch Box		PCS	8			
43	Triple Gang Switch Box		PCS	3			
44	Pull Box	#1/4	PCS	54			
45	Receptacle Box		PCS	52			

PLUMBING BOM



Ember-3Bd2.5Ba-Craftsman							
PLUMBING SYSTEM MATERIAL SHOPPING LIST							
No.	Item	Type	Unit	Quantity	Unit Price	Total	Description
PLUMBING FIXTURES & ACCESSORIES							
1	Bath Tub (Alcove Tub)		PCS	0			
2	Kitchen Sink		PCS	1			
3	Kitchen Faucets		PCS	1			
4	Vanity Sink		PCS	2			
5	Bath room Faucets		PCS	2			
6	Water Closet		PCS	3			
7	Shower Trim		PCS	2			
8	Shower Tray		PCS	2			
9	Water Heater		PCS	1			
10	Hose Bib		PCS	1			
11	Shutoff Valve		PCS	6			
12	Hanging pipe clamp		PCS	26			
13	Gate Valve		PCS	1			
14	Dishwasher Supply Single Connector		PCS	1			
15	Dishwasher Sewage Single Connector		PCS	1			
16	Laundry Sweat Connector		PCS	1			
SANITARY & PLUMBING PIPES							
1	ABS (Acrylonitrile Butadiene Styrene) Pipes	ø 1"	FT	0			
2	ABS (Acrylonitrile Butadiene Styrene) Pipes	ø 1 1/2"	FT	21			
3	ABS (Acrylonitrile Butadiene Styrene) Pipes	ø 2"	FT	73			
4	ABS (Acrylonitrile Butadiene Styrene) Pipes	ø 3"	FT	87			
5	PEX (Cross-linked polyethylene) Pipes	ø 1/2"	FT	221			
6	PEX (Cross-linked polyethylene) Pipes	ø 3/4"	FT	27			
7	PEX (Cross-linked polyethylene) Pipes	ø 1"	FT	3			
8	PVC Pipes Sch.80 - Rigid	ø 1 1/2"	FT	0			
9	PVC Pipes Sch.80 - Rigid	ø 2"	FT	99			
10	PVC Pipes Sch.80 - Rigid	ø 3"	FT	0			
11	Flex Pipe Round	ø 1/2"	PCS	8			
12	Flex Pipe Round	ø 3/4"	PCS	0			
13	Flex Pipe Round	ø 1"	PCS	0			
PIPE FITTINGS							
1	PEX 90 Deg Elbow	1/2"ø-1/2"ø	PCS	2			
2	PEX 90 Degree Elbow	1/2"ø-1/2"ø	PCS	21			
3	PEX 90 Degree Elbow	3/4"ø-3/4"ø	PCS	3			
4	PEX Tee Elbow	1/2"ø-1/2"ø-1/2"ø	PCS	8			
5	PEX Tee Elbow	3/4"ø-3/4"ø-3/4"ø	PCS	2			
6	PEX Transition Elbow	1"ø-3/4"ø	PCS	2			
7	PEX Transition Elbow	3/4"ø-1/2"ø	PCS	1			
8	PEX 90 Degree Elbow	1/2"ø-1/2"ø	PCS	16			
9	PEX 90 Degree Elbow	3/4"ø-3/4"ø	PCS	3			
10	PEX Tee Elbow	1/2"ø-1/2"ø-1/2"ø	PCS	5			
11	PEX Transition Elbow	3/4"ø-1/2"ø	PCS	1			
12	PVC 90 Deg Bend Elbow	2"ø-2"ø	PCS	39			
13	ABS 90 Degree Bend Elbow	1 1/2"ø-1 1/2"ø	PCS	3			
14	ABS 90 Degree Bend Elbow	2"ø-2"ø	PCS	1			
15	ABS 90 Degree Bend Elbow	3"ø-3"ø	PCS	5			
16	ABS P-Trap	2"ø-2"ø	PCS	1			
17	ABS P-Trap	3"ø-3"ø	PCS	2			
18	ABS Reducer Elbow	2"ø-1 1/2"ø	PCS	2			
19	ABS Reducer Elbow	3"ø-1 1/2"ø	PCS	3			
20	ABS Reducer Elbow	3"ø-2"ø	PCS	7			
21	ABS TEE Elbow	1 1/2"ø-1 1/2"ø-1 1/2"ø	PCS	2			
22	ABS TEE Elbow	2"ø-2"ø-2"ø	PCS	3			
23	ABS TEE Elbow	3"ø-3"ø-3"ø	PCS	12			
24	ABS Trap P	1 1/2"ø-1 1/2"ø	PCS	2			
25	ABS Trap P	2"ø-2"ø	PCS	3			
26	ABS Trap P	3"ø-3"ø	PCS	1			
27	ABS Vent Cap Elbow	1 1/2"ø	PCS	1			
28	ABS Vent Cap Elbow	2"ø	PCS	5			

HVAC BOM

Ember-3Bd2.5Ba-Craftsman							
HVAC SYSTEM MATERIAL SHOPPING LIST							
No.	Item	Type	Unit	Quantity	Unit Price	Total	Description
HVAC DUCTS							
1	PIPE (REFRIGERANT LINE)	3/8" (Ø)	FT	124.84			
2	PIPE (REFRIGERANT LINE)	3/4" (Ø)	FT	171.56			
3	DRAYER HOSE	4" (Ø)	FT	10.2			
4	FLEX DUCT ROUND	4" (Ø)	FT	8.23			
DUCT FITTINGS & ACCESSORIES							
5	ELBOW (REFRIGERANT LINE)	1/2" (Ø)-1/2" (Ø)	PCS	1			
6	ELBOW (REFRIGERANT LINE)	3/4" (Ø)-3/4" (Ø)	PCS	30			
7	ELBOW (REFRIGERANT LINE)	3/8" (Ø)-3/8" (Ø)	PCS	25			
8	TEE (REFRIGERANT LINE)	3/4" (Ø)-3/4" (Ø)-3/4" (Ø)	PCS	4			
9	TEE (REFRIGERANT LINE)	3/8" (Ø)-3/8" (Ø)-3/8" (Ø)	PCS	3			
10	TRANSITION (REFRIGERANT)	3/4" (Ø)-1/2" (Ø)	PCS	7			
11	TRANSITION (REFRIGERANT)	3/4" (Ø)-5/8" (Ø)	PCS	4			
12	TRANSITION (REFRIGERANT)	3/8" (Ø)-1/4" (Ø)	PCS	1			
HVAC EQUIPMENTS							
13	AIR HANDLING UNIT	WALL MOUNTED	PCS	4			
14	CONDENSER	OUTDOOR UNIT	PCS	1			
15	EXHAUST FAN	75 CFM	PCS	3			
16	EXHAUST HOOD	WALL MOUNTED	PCS	1			
17	HOOD-WALL: VENT	HOOD-WALL: VENT	PCS	1			
18	DRAYER: VENT	DRAYER: VENT	PCS	1			
19	ROOF VENT	3"(Ø)	PCS	3			

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ELECTRICAL BOM

LIGHTING FIXTURES							
#	Item	Type	Description,Manufacturer,SKU	Unit	Quantity	Unit Price	Total
1	Kitchen Ceiling Light			PCS	7		
3	Kitchen Wall Mounted Light			PCS	1		
4	Exterior Wall Mounted Light			PCS	8		
5	Livingroom Ceiling Light With Fan			PCS	1		
6	Bedroom Ceiling Light With Fan			PCS	3		
7	Dining Ceiling Light			PCS	4		
8	Bath Wall Mounted Light			PCS	4		
9	Bathroom Ceiling Light			PCS	8		
10	Livingroom Ceiling Light			PCS	4		
11	Bedroom Ceiling Light			PCS	12		
12	Hall & Entry Ceiling Light			PCS	4		
12	Garage Ceiling Light			PCS	4		
13	WIC Ceiling Light			PCS	2		
14	Exterior Ceiling Light			PCS	2		
15	Smoke Detector			PCS	5		

ELECTRICAL BOM





ELECTRICAL FITTINGS							
#	Item	Type	Description,Manufacturer,SKU	Unit	Quantity	Unit Price	Total
1	Standard Receptacle 120V	20A		PCS	17		
2	GFCI Receptacle 120V	20 A		PCS	31		
3	GFCI Receptacle 240V	30 A		PCS	2		
4	GFCI Receptacle 240V	50 A		PCS	1		
5	GFCI Receptacle 240V	60 A		PCS	1		
6	Fan Switch			PCS	4		
7	Single Pole Switch			PCS	16		
8	Three Way Switch			PCS	9		
9	Dimmer Switch			PCS	7		
10							
11							
12							
13							
14							
15							

ELECTRICAL BOM





ELECTRICAL CONDUITS & WIRING							
#	Item	Type	Description,Manufacturer,SKU	Unit	Quantity	Unit Price	Total
1	ROMEX 14 AWG	14/2/W/ground		FT	190		
3	ROMEX 12 AWG	12/3/W/ground		FT	0		
4	ROMEX 12 AWG	12/2/W/ground		FT	654		
6	ROMEX 10 AWG	10/3/W/ground		FT	113		
8	ROMEX 10 AWG	10/2/W/ground		FT	333		
9	Romex 8 AWG	8/3/W/ground		FT	70		
10	Romex 8 AWG	8/2/W/ground		FT	281		
11	ROMEX 6 AWG	6/3/W/ground		FT	26		
12	Bare Copper Ground Wire 6 AWG			FT			
13							
14							
15							
16							

ELECTRICAL BOM



ELECTRICAL BOXES & CIRCUTES							
#	Item	Type	Description,Manufacturer,SKU	Unit	Quantity	Unit Price	Total
1	Panelboard -240V 1 Phase MLO	200 AMP		PCS	1		
2	Circuit breaker	15 A		PCS	3		
3	Circuit breaker	20 A		PCS	17		
4	Circuit breaker	30 A		PCS	2		
5	Circuit breaker	50 A		PCS	1		
6	Circuit breaker	60 A		PCS	1		
7	Single Gang Switch Box			PCS	11		
8	Double Gang Switch Box			PCS	8		
9	Triple Gang Switch Box			PCS	3		
10	Pull Box	#1/4		PCS	54		
11	Receptacle Box			PCS	52		
12							
13							
14							
15							

HVAC BOM

HVAC_DUCTS 01							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	PIPE (REFRIGERANT LINE)	3/8" (Ø)		FT	124.84		
2	PIPE (REFRIGERANT LINE)	3/4" (Ø)		FT	171.56		
3	DRAYER HOSE	4" (Ø)		FT	10.2		
4	FLEX DUCT ROUND	4" (Ø)		FT	8.23		
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							

HVAC BOM

DUCT FITTINGS & ACCESSORIES							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	ELBOW (REFRIGERANT LINE)	1/2" (Ø)-1/2" (Ø)		PCS	1		
2	ELBOW (REFRIGERANT LINE)	3/4" (Ø)-3/4" (Ø)		PCS	30		
3	ELBOW (REFRIGERANT LINE)	3/8" (Ø)-3/8" (Ø)		PCS	25		
4	TEE (REFRIGERANT LINE)	3/4" (Ø)-3/4" (Ø)-3/4" (Ø)		PCS	4		
5	TEE (REFRIGERANT LINE)	3/8" (Ø)-3/8" (Ø)-3/8" (Ø)		PCS	3		
6	TRANSITION (REFRIGERANT LINE)	3/4" (Ø)-1/2" (Ø)		PCS	7		
7	TRANSITION (REFRIGERANT LINE)	3/4" (Ø)-5/8" (Ø)		PCS	4		
8	TRANSITION (REFRIGERANT LINE)	3/8" (Ø)-1/4" (Ø)		PCS	1		
9							
10							
11							
12							
13							
14							
15							
16							

HVAC BOM

	HVAC_EQUIPMENTS						
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	AIR HANDLING UNIT	WALL MOUNTED		PCS	4		
2	CONDENSER	OUTDOOR UNIT		PCS	1		
3	EXHAUST FAN	75 CFM		PCS	3		
4	EXHAUST HOOD	WALL MOUNTED		PCS	1		
5	HOOD-WALL: VENT	HOOD-WALL: VENT		PCS	1		
6	DRAYER: VENT	DRAYER: VENT		PCS	1		
7	ROOF VENT	3"(Ø)		PCS	3		
8							
9							
10							
11							
12							
13							
14							

PLUMBING BOM



 PLUMBING FIXTURES & ACCESSORIES							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	Bath Tub (Alcove Tub)			PCS	0		
2	Kitchen Sink			PCS	1		
3	Kitchen faucets			PCS	1		
4	Vanity Sink			PCS	2		
5	Bath room faucets			PCS	2		
6	Water Closet			PCS	3		
7	Shower Trim			PCS	2		
8	Shower Tray			PCS	2		
9	Water Heater			PCS	1		
10	Hose Bib			PCS	1		
11	Shutoff Valve			PCS	6		
12	Hanging pipe clamp			PCS	26		
13	Globe Valve			PCS	1		
14	Dishwasher Supply Single Connector			PCS	1		
15	Dishwasher Sewage Single Connector			PCS	1		
16	Laundry Sweat Connector			PCS	1		

PLUMBING BOM



 SANITARY & PLUMBING PIPES							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	ABS (Acrylonitrile Butadiene Styrene) Pipes	ø 1"		FT	0		
2	ABS (Acrylonitrile Butadiene Styrene) Pipes	ø 1 1/2"		FT	21		
3	ABS (Acrylonitrile Butadiene Styrene) Pipes	ø 2"		FT	73		
4	ABS (Acrylonitrile Butadiene Styrene) Pipes	ø 3"		FT	87		
5	PEX (Cross-linked polyethylene) Pipes	ø 1/2"		FT	221		
6	PEX (Cross-linked polyethylene) Pipes	ø 3/4"		FT	27		
7	PEX (Cross-linked polyethylene) Pipes	ø 1"		FT	3		
8	PVC Pipes Sch.80 - Rigid	ø 1 1/2"		FT	0		
9	PVC Pipes Sch.80 - Rigid	ø 2"		FT	99		
10	PVC Pipes Sch.80 - Rigid	ø 3"		FT	0		
11	Flex Pipe Round	ø 1/2"		FT	8		
12	Flex Pipe Round	ø 3/4"		FT	0		
13	Flex Pipe Round	ø 1"		FT	0		
14							
15							

PLUMBING BOM



 PIPE FITTINGS 01							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	PEX 90 Deg Elbow	1/2"Ø-1/2"Ø		PCS	2		
2	PEX 90 Degree Elbow	1/2"Ø-1/2"Ø		PCS	21		
3	PEX 90 Degree Elbow	3/4"Ø-3/4"Ø		PCS	3		
4	PEX Tee Elbow	1/2"Ø-1/2"Ø-1/2"Ø		PCS	8		
5	PEX Tee Elbow	3/4"Ø-3/4"Ø-3/4"Ø		PCS	2		
6	PEX Transition Elbow	1"Ø-3/4"Ø		PCS	2		
7	PEX Transition Elbow	3/4"Ø-1/2"Ø		PCS	1		
8	PEX 90 Degree Elbow	1/2"Ø-1/2"Ø		PCS	16		
9	PEX 90 Degree Elbow	3/4"Ø-3/4"Ø		PCS	3		
10	PEX Tee Elbow	1/2"Ø-1/2"Ø-1/2"Ø		PCS	5		
11	PEX Transition Elbow	3/4"Ø-1/2"Ø		PCS	1		
12	PVC 90 Deg Bend Elbow	2"Ø-2"Ø		PCS	39		
13	ABS 90 Degree Bend Elbow	1 1/2"Ø-1 1/2"Ø		PCS	3		
14	ABS 90 Degree Bend Elbow	2"Ø-2"Ø		PCS	1		
15	ABS 90 Degree Bend Elbow	3"Ø-3"Ø		PCS	5		
 PIPE FITTINGS 02							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	ABS P-Trap	2"Ø-2"Ø		PCS	1		

PLUMBING BOM



2	ABS P-Trap	3"Ø-3"Ø		PCS	2		
3	ABS Reducer Elbow	2"Ø-1 1/2"Ø		PCS	2		
4	ABS Reducer Elbow	3"Ø-1 1/2"Ø		PCS	3		
5	ABS Reducer Elbow	3"Ø-2"Ø		PCS	7		
6	ABS TEE Elbow	1 1/2"Ø-1 1/2"Ø-1 1/2"Ø		PCS	2		
7	ABS TEE Elbow	2"Ø-2"Ø-2"Ø		PCS	3		
8	ABS TEE Elbow	3"Ø-3"Ø-3"Ø		PCS	12		
9	ABS Trap P	1 1/2"Ø-1 1/2"Ø		PCS	2		
10	ABS Trap P	2"Ø-2"Ø		PCS	3		
11	ABS Trap P	3"Ø-3"Ø		PCS	1		
12	ABS Vent Cap Elbow	1 1/2"Ø		PCS	1		
13	ABS Vent Cap Elbow	2"Ø		PCS	5		

ARCHITECTURAL BOM



APPLIANCES							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	Refrigerator			PCS	1		
2	Range			PCS	1		
3	Washer Front Load	Stackable		PCS	1		
4	Dryer Front Load	Stackable		PCS	1		
5	Dish Washer			PCS	1		
6	Oven			PCS	0		
7	Microwave			PCS	0		
8							
9							
10							
11							
12							
13							
14							
15							
16							



CASEWORKS 01							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	Kitchen Cabinet			FT	21.75		
2	Laundry Cabinet			FT	0		
3	Vanity Cabinet			FT	12.5		
4	Medicine Cabinet			PCS	4		
5	Kitchen countertop			SF	61.81		
6	Laundry Countertop			PCS	0		
7	Bathroom Countertop			SF	0		
8	Island			FT	8.3		
9	Peninsula			FT	0		
10	Closets			SF	308		
11							
12							
13							
14							
15							

ARCHITECTURAL BOM



CEILING 01							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
LIVING ROOM AND KITCHEN				SF	702.0		
1	Ceiling Board	Drywall		SF	702		
2	Drywall Fastener	Screw		PCS	1229		
3	Vapor Retarder	Polyethylene film		SF	702		
4	Vapor Retarder Fastener	Nails with washer heads		PCS	2106		
BATHROOM 1				SF	54.0		
5	Ceiling Board	MRD (Moisture resistant drywall)		SF	54		
6	MRD Fastener	Screw		PCS	95		
BATHROOM 2				SF	24.0		
7	Ceiling Board	MRD (Moisture resistant drywall)		SF	24		
8	MRD Fastener	Screw		PCS	42		
GARAGE				SF	633.0		
9	Ceiling Board	Drywall		SF	633		
10	Drywall Fastener	Screw		PCS	1108		
11	Vapor Retarder	Polyethylene film		SF	633		
12	Vapor Retarder Fastener	Nails with washer heads		PCS	1899		

ARCHITECTURAL BOM



CEILING 02							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
PORCH 1				SF	99.0		
13	Ceiling Board	Marine Plywood		SF	99		
14	Exterior Grade Plywood	Screw		PCS	173		
PORCH 2				SF	50.0		
15	Ceiling Board	Marine Plywood		SF	50		
16	Exterior Grade Plywood	Screw		PCS	88		
PORCH 3				SF	70.0		
17	Ceiling Board	Marine Plywood		SF	70		
18	Exterior Grade Plywood	Screw		PCS	123		
W/C				SF	66.0		
19	Ceiling Board	Drywall		SF	66		
20	Drywall Fastener	Screw		PCS	116		
21	Vapor Retarder	Polyethylene film		SF	66		
22	Vapor Retarder Fastener	Nails with washer heads		PCS	198		

ARCHITECTURAL BOM



CEILING 03							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
	CLOSET 1			SF	15.0		
23	Ceiling Board	Drywall		SF	15		
24	Drywall Fastener	Screw		PCS	26		
25	Vapor Retarder	Polyethylene film		SF	15		
26	Vapor Retarder Fastener	Nails with washer heads		PCS	45		
	CLOSET 2			SF	14.0		
27	Ceiling Board	Drywall		SF	14		
28	Drywall Fastener	Screw		PCS	25		
29	Vapor Retarder	Polyethylene film		SF	14		
30	Vapor Retarder Fastener	Nails with washer heads		PCS	42		
	CLOSET 3			SF	11.0		
31	Ceiling Board	Drywall		SF	11		
32	Drywall Fastener	Screw		PCS	19		
33	Vapor Retarder	Polyethylene film		SF	11		
34	Vapor Retarder Fastener	Nails with washer heads		PCS	33		

ARCHITECTURAL BOM



CEILING 04							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
	CLOSET 4			SF	18.0		
35	Ceiling Board	Drywall		SF	18		
36	Drywall Fastener	Screw		PCS	32		
37	Vapor Retarder	Polyethylene film		SF	18		
38	Vapor Retarder Fastener	Nails with washer heads		PCS	54		
	L1			SF	6.0		
39	Ceiling Board	Drywall		SF	6		
40	Drywall Fastener	Screw		PCS	11		
41	Vapor Retarder	Polyethylene film		SF	6		
42	Vapor Retarder Fastener	Nails with washer heads		PCS	18		
	L2			SF	4.0		
43	Ceiling Board	Drywall		SF	4		
44	Drywall Fastener	Screw		PCS	7		
45	Vapor Retarder	Polyethylene film		SF	4		
46	Vapor Retarder Fastener	Nails with washer heads		PCS	12		

ARCHITECTURAL BOM



CEILING 05							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
	MASTER BEDROOM			SF	216.0		
47	Ceiling Board	Drywall		SF	216		
48	Drywall Fastener	Screw		PCS	378		
49	Vapor Retarder	Polyethylene film		SF	216		
50	Vapor Retarder Fastener	Nails with washer heads		PCS	648		
	MASTER BATHROOM			SF	109.0		
51	Ceiling Board	MRD (Moisture resistant drywall)		SF	109		
52	MRD Fastener	Screw		PCS	191		
	W/D			SF	43.0		
53	Ceiling Board	Drywall		SF	43		
54	Drywall Fastener	Screw		PCS	75		
55	Vapor Retarder	Polyethylene film		SF	43		
56	Vapor Retarder Fastener	Nails with washer heads		PCS	129		

ARCHITECTURAL BOM



CEILING 06							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
	HALL			SF	84.0		
57	Ceiling Board	Drywall		SF	84		
58	Drywall Fastener	Screw		PCS	147		
59	Vapor Retarder	Polyethylene film		SF	84		
60	Vapor Retarder Fastener	Nails with washer heads		PCS	252		
	BEDROOM 1			SF	116.0		
61	Ceiling Board	Drywall		SF	116		
62	Drywall Fastener	Screw		PCS	203		
63	Vapor Retarder	Polyethylene film		SF	116		
64	Vapor Retarder Fastener	Nails with washer heads		PCS	348		
	BEDROOM 2			SF	138.0		
65	Ceiling Board	Drywall		SF	138		
66	Drywall Fastener	Screw		PCS	242		
67	Vapor Retarder	Polyethylene film		SF	138		
68	Vapor Retarder Fastener	Nails with washer heads		PCS	414		

ARCHITECTURAL BOM



FLOORING INTERIOR 01							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
BEDROOM #1							
1	Bedroom Flooring			SF	199		
2	Wood underlay	Foam Pad Polyethylene		SF	199		
3	Vapor Retarder	Vapor Barrier Polyethylene		SF	199		
BEDROOM#2							
4	Bedroom Flooring			SF	128		
5	Wood underlay	Foam Pad Polyethylene		SF	128		
6	Vapor Retarder	Vapor Barrier Polyethylene		SF	128		
BEDROOM#3							
7	Bedroom Flooring			SF	108		
8	Wood underlay	Foam Pad Polyethylene		SF	108		
9	Vapor Retarder	Vapor Barrier Polyethylene		SF	108		
CL#1							
10	Closet Flooring			SF	21		
11	Wood underlay	Foam Pad Polyethylene		SF	21		
12	Vapor Retarder	Vapor Barrier Polyethylene		SF	21		

ARCHITECTURAL BOM



FLOORING INTERIOR 02							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
CL#2							
13	Closet Flooring			SF	4		
14	Wood underlay	Foam Pad Polyethylene		SF	4		
15	Vapor Retarder	Vapor Barrier Polyethylene		SF	4		
CL#3							
16	Closet Flooring			SF	9		
17	Wood underlay	Foam Pad Polyethylene		SF	9		
18	Vapor Retarder	Vapor Barrier Polyethylene		SF	9		
CL#4							
19	Closet Flooring			SF	17		
20	Wood underlay	Foam Pad Polyethylene		SF	17		
21	Vapor Retarder	Vapor Barrier Polyethylene		SF	17		
CL#5							
22	Closet Flooring			SF	6		
23	Wood underlay	Foam Pad Polyethylene		SF	6		
24	Vapor Retarder	Vapor Barrier Polyethylene		SF	6		

ARCHITECTURAL BOM



FLOORING INTERIOR 03							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
CL#6							
25	Closet Flooring			SF	10		
26	Wood underlay	Foam Pad Polyethylene		SF	10		
27	Vapor Retarder	Vapor Barrier Polyethylene		SF	10		
CL#7							
28	Closet Flooring			SF	13		
29	Wood underlay	Foam Pad Polyethylene		SF	13		
30	Vapor Retarder	Vapor Barrier Polyethylene		SF	13		
CL#8							
31	Closet Flooring			SF	14		
32	Wood underlay	Foam Pad Polyethylene		SF	14		
33	Vapor Retarder	Vapor Barrier Polyethylene		SF	14		
LIVING ROOM AND KITCHEN							
34	Living Area Flooring			SF	723		
35	Wood underlay	Foam Pad Polyethylene		SF	723		
36	Vapor Retarder	Vapor Barrier Polyethylene		SF	723		

ARCHITECTURAL BOM



FLOORING INTERIOR 04							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
	GARAGE						
37	Epoxy top coat	Sealant high build resin coat		SF	565		
38	Flake coat	Anti-slip quartz aggregate coat		SF	565		
39	Primer coat	damp proof membrane		SF	565		
	BATHROOM#1						
40	Tile Finish			SF	78		
41	Adhesive	1/2" Thin set Mortar		SF	78		
42	Vapor Retarder	Vapor Barrier Polyethylene		SF	78		
	BATHROOM#2						
43	Tile Finish			SF	37		
44	Adhesive	1/2" Thin set Mortar		SF	37		
45	Vapor Retarder	Vapor Barrier Polyethylene		SF	37		

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ARCHITECTURAL BOM



FLOORING EXTERIOR 01							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	
	STRUCTURE			SF	2496.8		
1	Concrete Slab	4"concrete cast in situ		CF	832		
2	Insulation	Rigid insulation		SF	561		
3	Hard core	Compacted soil		CF	710		
4	Re-bar	#4 re-bar		Ton	2		
5	Concrete Pad	4"concrete cast in situ		CF	2		
6	Slab edge	Turndown		CF	528		
7	Footing #1	Cast-in-place concrete		CF	4.68		
8	Footing #2	Cast-in-place concrete		CF	10		
	PORCH FRONT						
9	Tile Finish			SF	153		
10	Adhesive	1/2" Thin set Mortar		SF	153		
11	Vapor Retarder	Vapor Barrier Polyethylene		SF	153		
FLOORING EXTERIOR 02							

ARCHITECTURAL BOM

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ARCHITECTURAL BOM



WALLS: EXTERIOR							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	Exterior-Grade Plywood Horizontal Siding			SF	1859		
2	Exterior-Grade Plywood Fastener 8/panel	Self-drilling screws(100/pkt)		PKT	18.59		
3	Wall Shteaching (OSB)			SF	1859		
4	Shteaching Fastener	Self-drilling screws(100/pkt)		PKT	18.59		
5	Wall Homewrap			SF	1859		
6	Homewrap Fastener	Stapled fastener (200/pkt)		PKT	7.06		
7	Furring Strip			PCS	232.38		
8	Furring Strip Fastener	Self-drilling screws(100/pkt)		PKT	18.59		
9	Wall Paint			SF	1859		
10	Stone Copping	Masonry stone		SF	4		
11	Stone Veneer	Masonry stone		SF	32		
12	Mortar for Stone Veneer			SF	32		
13	Wall Insulation			SF	7144		

ARCHITECTURAL BOM



WALLS: INTERIOR 01							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
BATHROOM 1				SF	48.0		
1	Cementitious Backer Board			SF	268		
2	Kerdi membrane			SF	268		
3	Kerdi membrane Fastener			SF	268		
4	Wall Ceramic Tile			SF	268		
BATHROOM 2				SF	50.0		
5	Cementitious Backer Board			SF	322		
6	Kerdi membrane			SF	322		
7	Kerdi membrane Fastener			SF	322		
8	Wall Ceramic Tile			SF	322		
BEDROOM 1				SF	198.0		
9	Drywall Board			SF	513		
10	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	5.13		
11	Wall Paint			SF	513		
12	Drywall Tape			FT	96.2		

ARCHITECTURAL BOM



WALLS: INTERIOR 02

#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
	BEDROOM 2			SF	128.0		
13	Drywall Board			SF	476		
14	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	4.76		
15	Wall Paint			SF	476		
16	Drywall Tape			FT	89.3		
	KITCHEN			SF	148.0		
17	Cementitious Backer Board			SF	31		
18	Drywall Board			SF	238		
19	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	2.38		
20	Kerdi membrane			SF	31		
21	Kerdi membrane Fastener			SF	31		
22	Wall Ceramic Tile			SF	31		
23	Wall Paint			SF	238		
24	Drywall Tape			FT	44.9		

ARCHITECTURAL BOM



WALLS: INTERIOR 03

#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
	BEDROOM 3			SF	107.0		
25	Drywall Board			SF	390		
26	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	3.9		
27	Wall Paint			SF	390		
28	Drywall Tape			FT	73.2		
	LIVING ROOM			SF	324.0		
29	Drywall Board			SF	399		
30	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	3.99		
31	Wall Paint			SF	399		
32	Drywall Tape			FT	74.8		
	CL 1			SF	10.0		
33	Drywall Board			SF	95		
34	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	0.95		
35	Wall Paint			SF	95		
36	Drywall Tape			FT	17.8		

ARCHITECTURAL BOM



WALLS: INTERIOR 04							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
	CL 2			SF	15.0		
37	Drywall Board			SF	127		
38	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	1.27		
39	Wall Paint			SF	127		
40	Drywall Tape			FT	23.8		
	CL 3			SF	15.0		
41	Drywall Board			SF	177		
42	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	1.77		
43	Wall Paint			SF	177		
44	Drywall Tape			FT	33		
	CL 4			SF	19.0		
45	Drywall Board			SF	149		
46	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	1.49		
47	Wall Paint			SF	149		
48	Drywall Tape			FT	28		

ARCHITECTURAL BOM



WALLS: INTERIOR 05							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
	CL 5			SF	11.0		
49	Drywall Board			SF	134		
50	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	1.34		
51	Wall Paint			SF	134		
52	Drywall Tape			FT	25		
	DINING			SF	144.0		
53	Drywall Board			SF	195		
54	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	1.95		
55	Wall Paint			SF	195		
56	Drywall Tape			FT	37		
	ENTRY			SF	35.0		
57	Drywall Board			SF	74		
58	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	0.74		
59	Wall Paint			SF	74		
60	Drywall Tape			FT	14		

ARCHITECTURAL BOM



WALLS: INTERIOR 06

#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
GARAGE				SF	593.0		
61	Drywall Board			SF	661		
62	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	6.61		
63	Wall Paint			SF	661		
64	Drywall Tape			FT	125		
HALL				SF	63.0		
65	Drywall Board			SF	326		
66	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	3.26		
67	Wall Paint			SF	326		
68	Drywall Tape			FT	62		
HW				SF	43.0		
69	Drywall Board			SF	193		
70	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	1.93		
71	Wall Paint			SF	193		
72	Drywall Tape			FT	36		

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WALLS: INTERIOR 07							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
	L1			SF	4.0		
73	Drywall Board			SF	66		
74	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	0.66		
75	Wall Paint			SF	66		
76	Drywall Tape			FT	12.5		
	L2			SF	6.0		
77	Drywall Board			SF	92		
78	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	0.92		
79	Wall Paint			SF	92		
80	Drywall Tape			FT	17		
	WC			SF	23.0		
81	Cementitious Backer Board			SF	154		
82	Kerdi membrane			SF	154		
83	Kerdi membrane Fastener			SF	154		
84	Wall Ceramic Tile			SF	154		

ARCHITECTURAL BOM



 WALLS: INTERIOR 08							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
	WD			SF	40.0		
85	Cementitious Backer Board			SF	180		
86	Kerdi membrane			SF	180		
87	Kerdi membrane Fastener			SF	180		
88	Wall Ceramic Tile			SF	180.0		
	WIC			SF	59.0		
89	Drywall Board			SF	276		
90	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	2.76		
91	Wall Paint			SF	276		
92	Drywall Tape			FT	52		
1	Wall Skirting	Ceramic		FT	301		

ARCHITECTURAL BOM



#	Item	Type	Description, Manufacturer, SKU	DOORS			
				Unit	Quantity	Unit Price	Total
1	Interior Swinging	3' - 0" X 6'-8"		PCS	6		
2	Exterior Swinging	3' - 0" X 6'-8"		PCS	2		
3	Interior Swinging	2' - 6" X 6'-8"		PCS	1		
4	Interior Swinging	3' - 0" X 6'-8"		PCS	2		
5	Patio Sliding	5' - 0" X 6'-8"		PCS	2		
6	Interior Sliding	7' - 0" X 6'-8"		PCS	1		
7	Interior Sliding	5' - 8" X 6'-8"		PCS	2		
8	Pocket Door	3' - 0" X 6'-8"		PCS	1		
9	Interior Sliding	5' - 4" X 6'-8"		PCS	1		
10	Folding	2 - 8" X 6'-8"		PCS	1		
11	Folding	1' - 8" X 6'-8"		PCS	1		
12	Interior Sliding	4' - 0" X 6'-8"		PCS	1		
13	Garage Door	16' - 0" X 6'-6"		PCS	1		
14	Exterior Door Trim			FT	109		
15	Interior Door Trim			FT	624		
16	Entry Lock set			PCS	5		
17	Privacy Lock set			PCS	10		
18	Passage Lock set			PCS	7		

ARCHITECTURAL BOM



WINDOWS							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	Sliding	3' - 3" X 3'-3"		PCS	3		
2	Single Hung	2' - 9" X 3'-3"		PCS	8		
3	Sliding	5' - 3" X 3'-9"		PCS	4		
4	Exterior Window Trim			FT	210		
5	Interior Window Trim			FT	210		
6							
7							
8							
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10							
11							
12							
13							
14							
15							

ARCHITECTURAL BOM



#	ROOF 01						
	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	Roof Covering			SF	3021.0		
2	Roof Covering Fastener			PCS	1511		
3	Roof Felt Paper			SF	3021.0		
4	Roof Felt Paper Fastener			PCS	9063.0		
5	Roof Sheathing			SF	3021.0		
6	Roof Sheathing Fastener			PCS	24168		
7	Batten			FT	0.0		
8	Batten Fastener			PCS	0.0		
9	Soffit			SF	294.0		
10	Soffit Fastener			PCS	147.0		
11	Fascia			FT	268.0		
12	Fascia board fastener			PCS	134		
13	Roof Insulation			SF	3021.0		
14							
15							