

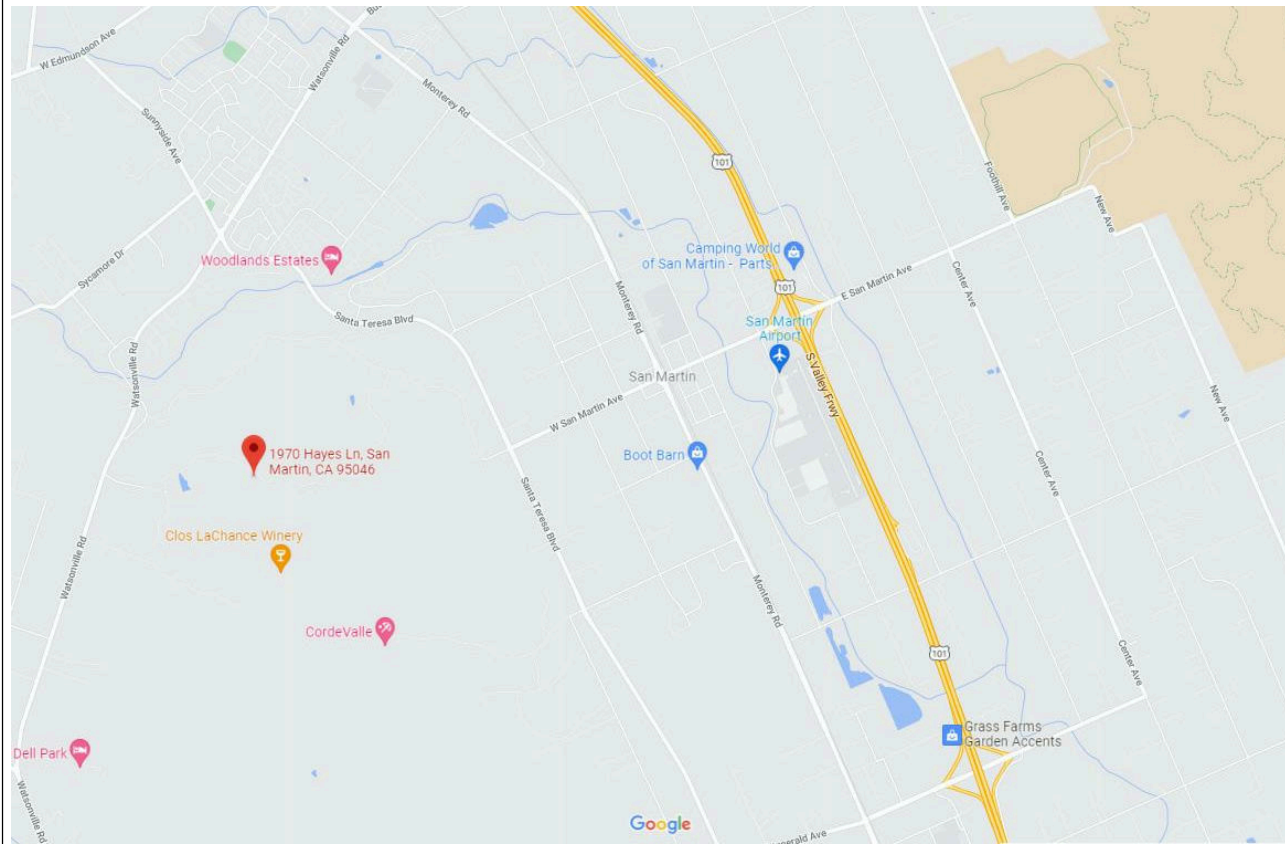
PROJECT DATA

DESCRIPTION	REMODEL OF EXISTING ONE STORY RESIDENCE. ADDITION OF 1550 SQFT TO BE TO BE LOCATED AT ENTRY AND AT LIVING ROOM. REMODEL EXISTING KITCHEN AND UPDATE OF FINISHES THROUGHOUT. REPLACE ALL WINDOWS.
ADDRESS	1970 HAYES LANE SAN MARTIN , CA 95046
APN	779-44-12
ZONING	R-1-0
BUILDING USE	SINGLE FAMILY RESIDENTIAL
SEPTIC/SEWER	SEPTIC

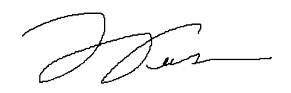

PLANNING DATA AND CALCULATIONS

LOT SIZE	20 ACRES/ 871,200 SQFT
EXISTING BUILDING SQFT	6098 SQFT
PROPOSED ADDITION	1550 SQFT
TOTAL FAR SQFT	7648 SQFT
MAX HEIGHT OF HOUSE	28'-0

VICINITY MAP



SHEET INDEX	APPLICABLE CODES	GENERAL NOTES
<p>GENERAL</p> <p>A0.0 COVER SHEET</p> <p>A0.1 GENERAL NOTES & CAL GREEN NOTES</p> <p>A0.2 GREEN BUILDING NOTES</p> <p>A0.3 GREEN BUILDING NOTES 2</p> <p>A0.4 MECHANICAL SPECIFICATIONS AND NOTES</p> <p>ARCHITECTURAL</p> <p>A1.0 PROPOSED SITE PLAN</p> <p>A2.1 EXISTING SITE PLAN</p> <p>A2.2 EXISTING FLOOR PLAN</p> <p>A3.0 ROOF PLAN</p> <p>A4.0 PROPOSED FLOOR PLAN AND ADDITION</p> <p>A5.0 EXTERIOR ELEVATIONS</p> <p>A6.0 EXTERIOR ELEVATIONS</p> <p>A7.0 SECTIONS</p> <p>A8.0 SECTIONS</p> <p>A10.0 WINDOW AND DOOR SCHEDULE</p> <p>A10.0 B WINDOW AND DOOR SCHEDULE</p> <p>MEP1.0 MECHANICAL, ELECTRICAL, PLUMBING</p> <p>CIVIL</p> <p>C1.0 EROSION CONTROL PLAN</p> <p>STRUCTURAL</p> <p>S-1 STRUCTURAL NOTES</p> <p>S-2 STRUCTURAL DETAILS</p> <p>S-3 STRUCTURAL DETAILS</p> <p>S-4 DECK FRAMING PLAN AND DETAILS</p> <p>S-5 SUBFLOOR-FRAMING AND FOUNDATION PLANS.</p> <p>S-6 ROOF CEILING FRAMING PLAN</p> <p>S-7 ROOF RAFTER FRAMING PLAN</p> <p>ENERGY</p> <p>T24.1 CF1R</p> <p>T24.2 MANDATORY MEASURES</p>	<p>2019 CA BUILDING CODE</p> <p>2019 CA RESIDENTIAL CODE</p> <p>2019 CA MECHANICAL CODE</p> <p>2019 CA ELECTRICAL CODE</p> <p>2019 CA PLUMBING CODE</p> <p>2019 GREEN BUILDING CODE</p> <p>2019 CA ENERGY CODE</p> <p>2019 CA FIRE CODE</p>	<p>The Contractor shall furnish all material, labor, scaffolding, utensils, and apparatus required for the work shown on these plans and pay for the full frieghtage cartage, taxes, and handling of material associated with the work.</p> <p>All work shaall comply and conform to all codes and regulations, including the 2019 CBC, 2019 CMC, 2019 CPC, 2019 CEC, 2019 CRC, California Energy requirements, and all local, state and federal requirements, codes and regulations, unless otehrwise noted.</p> <p>Contractor shall be solely responsible for job and worksite saftey.</p> <p>All work is to be perfrmed in accordance with these plans and specifications and to the satisfaction of the owner.</p> <p>Bidders shall visit the site and familiarize themselves with all existing conditions, and be prepared to carry out the work within the existing limitations.</p> <p>Verify all dimensions in the field, written dimensions have precedence over scaled dimensions. Any discrepencies between drawings and/or specifications and actual conditions shall be brought to the attention of the architect/ designer for immediate clarification prior to proceeding wih the work.</p> <p>Change orders shall be in writing.</p> <p>Substitutions will be considered, but do not substitute materials, equipment, or methods without specific advanced approval by the architect.</p> <p>Contractor shall notify the architect/designer of all modifications to drawing by the building department and of all changes requested by the inspector.</p> <p>Follow manufacturer's instructions carefully. Manufacturer's operating instructions amd guarentess shall be given to the owner at the end of the job.</p> <p>All features of construction not fullu shown shall be of the same type and character as that shown for similar conditions. For special conditions or discrepencies, notify the architect/desinger before bidding or proceeding with work.</p> <p>All material shall be of the best of their respective kinds, new, and subject to the approval of the owner. All work is to be performed in the best manner by skilled workmen.</p> <p>It is the responsibility of the contractor and subcontractors to notify the architect/designer and/or engineer of any discrepencies, inconsistenciesm errors or omissions in the plans and specifications which might affect the work, prior to proceeding with the work.</p>



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STEVE AND GWEN DORCICH

1970 HAYES LANE

COVER SHEET

Date

05.06.22

T.VESS

A0.0

Scale

3/16" = 1'-0"

GENERAL NOTES

THE CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR, SCAFFOLDING, UTENSILS, AND APPARATUS REQUIRED FOR THE WORK SHOWN ON THESE PLANS AND PAY FOR THE FULL FRIEGHTAGE CARTAGE, TAXES, AND HANDLING OF MATERIAL ASSOCIATED WITH THE WORK.

ALL WORK SHALL COMPLY AND CONFORM TO ALL CODES AND REGULATIONS, INCLUDING THE 2019 CBC, 2019 CMC, 2019 CPC, 2019 CEC, 2019 CRC, CALIFORNIA ENERGY REQUIREMENTS, AND ALL LOCAL, STATE AND FEDERAL REQUIREMENTS, CODES AND REGULATIONS, UNLESS OTEHRWISE NOTED.

CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB AND WORKSITE SAFTETY.

ALL WORK IS TO BE PERFMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND TO THE SATISFACTION OF THE OWNER.

BIDDERS SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH ALL EXISTING CONDITIONS, AND BE PREPARED TO CARRY OUT THE WORK WITHIN THE EXISTING LIMITATIONS.

VERIFY ALL DIMENSIONS IN THE FIELD, WRITTEN DIMENSIONS HAVE PRECEDENCE OVER SCALED DIMENSIONS. ANY DISCREPENCIES BETWEEN DRAWINGS AND/OR SPECIFICATIONS AND ACTUAL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ DESIGNER FOR IMMEDIATE CLARIFICATION PRIOR TO PROCEEDING WIH THE WORK.

CHANGE ORDERS SHALL BE IN WRITING.

SUBSTITUTIONS WILL BE CONSIDERED, BUT DO NOT SUBSTITUTE MATERIALS, EQUIPMENT, OR METHODS WITHOUT SPECIFIC ADVANCED APPROVAL BY THE ARCHITECT.

CONTRACTOR SHALL NOTIFY THE ARCHITECT/DESIGNER OF ALL MODIFICATIONS TO DRAWING BY THE BUILDING DEPARTMENT AND OF ALL CHANGES REQUESTED BY THE INSPECTOR.

FOLLOW MANUFACTURER'S INSTRUCTIONS CAREFULLY. MANUFACTURER'S OPERATING INSTRUCTIONS AMD GUARENTESS SHALL BE GIVEN TO THE OWNER AT THE END OF THE JOB.

ALL FEATURES OF CONSTRUCTION NOT FULLU SHOWN SHALL BE OF THE SAME TYPE AND CHARACTER AS THAT SHOWN FOR SIMILAR CONDITIONS. FOR SPECIAL CONDITIONS OR DISCREPENSCIES, NOTIFY THE ARCHITECT/DESINGER BEFORE BIDDING OR PROCEEDING WITH WORK.

ALL MATERIAL SHALL BE OF THE BEST OF THEIR RESPECTIVE KINDS, NEW, AND SUBJECT TO THE APPROVAL OF THE OWNER. ALL WORK IS TO BE PERFORMED IN THE BEST MANNER BY SKILLED WORKMEN.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTORS TO NOTIFY THE ARCHITECT/DESIGNER AND/OR ENGINEER OF ANY DISCREPENCIES, INCONSISTENCIESM ERRORS OR OMISSIONS IN THE PLANS AND SPECIFICATIONS WHICH MIGHT AFFECT THE WORK, PRIOR TO PROCEEDING WITH THE WORK.

MECHANICAL NOTES:

1. DUCTS SIZE REQUIREMENTS SHALL COMPLY WITH MANUFACTURER'S DESIGN CRITERIA FOR AIR FLOW RATING.
2. FOR INTERMITTENT LOCAL EXHAUST, THE MINIMUM BATHROOM INTERMITTENT VENTILATION AIRFLOW SHALL BE 50 CFM AND FOR KITCHEN HOOD EXHAUST SHALL BE 100 CFM PER ASHRAE 62.2-2007 SECTION 4.6.4.
3. CONTINUOUSLY OPERATING LOCAL EXHAUST BATHROOM FANS SHALL PROVIDE 5 AIR CHANGES PER HOUR MINIMUM, PER ASHRAE 62.2-2007 SECTION 4.6.4.
4. VENTILATION FAN SOUND RATINGS SHALL BE LESS THAN 1 SONE FOR CONTINUOUS FANS, OR 3 SONE FOR INTERMITTENT FANS UNLESS THEIR MAX. RATED AIRFLOW EXCEEDS 400 CFM.
5. BATHROOM EXHAUST FANS SHALL BE ENERGY STAR COMPLIANT AND BE DUCTED TO TERMINATE OUTSIDE THE BUILDING. CGBC SECTION 4.506.
6. ALL EXHAUST FANS SHALL BE SWITCHED SEPARATELY FROM LIGHTING SYSTEMS.
7. UNLESS PART OF THE WHOLE HOUSE VENTILATION SYSTEM, FANS MUST BE CONTROLLED BY A HUMIDITY CONTROL CAPABLE OF ADJUSTMENT BETWEEN A RELATIVE HUMIDITY RANGE OF 50%-80% AND READILY ACCESSIBLE.
8. DESIGN AND INSTALL HVAC SYSTEM TO ACCA MANUAL J, D, AND S RECOMMENDATIONS, INCLUDING TESTING TOTAL SUPPLY AIR FLOW RATES AND THIRD PARTY TESTING OF MECHANICAL VENTILATION RATES.
9. SUPPLY AND RETURN AIR REGISTERS MUST BE LOCATED ACCORDING TO CBGSC AND CMC 2019.
10. PROVIDE 30IN MINIMUM IN DEPTH, WIDTH, AND HEIGHT OF WORKING SPACE IN FRONT OF EQUIPMENT AND APPLIANCES.

GENERAL PLUMBING NOTES:

SCOPE

1. DOMESTIC HOT AND COLD WATER SYSTEMS.
2. FUEL GAS PIPING.
3. INSTALLATION OF ALL NEW PLUMBING FIXTURES.
4. COMPLETE WASTE AND VENT PIPING SYSTEM.

CONDITIONS

1. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VISIT THE PROJECT SITE AND ACQUAINT HIMSELF WITH ALL EXISTING CONDITIONS, AS WELL AS ASCERTAIN THE EXTENT OF THE WORK INVOLVED. BY SUBMITTING A BID, THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH AN EXAMINATION, TO HAVE ACCEPTED SUCH CONDITIONS AND TO HAVE MADE ALL NECESSARY ALLOWANCES IN PREPARING HIS PROPOSAL.

2. ALL WORK AND MATERIALS SHALL COMPLY WITH GOVERNING CODES, SAFETY ORDERS AND REGULATIONS.
3. PLUMBING CONTRACTOR SHALL DELIVER TO THE OWNER AND GENERAL CONTRACTOR A WRITTEN ONE YEAR GUARANTEE ON ALL WORKMANSHIP, EQUIPMENT AND MATERIALS; REPAIR OR REPLACE ANY SUCH DEFECTIVE ITEMS DURING THIS PERIOD.

UTILITIES AND SITE WORK:

1. PRIOR TO COMMENCING WORK, PLUMBING CONTRACTOR SHALL CONSULT REPRESENTATIVES OF LOCAL UTILITIES CONCERNING LOCATIONS AND AVAILABILITY OF UTILITIES. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITY LINES. 2. PLUMBING CONTRACTOR SHALL REROUTE ANY EXISTING UTILITY LINES IN CONFLICT WITH NEW CONSTRUCTION. 3. PLUMBING CONTRACTOR SHALL CONFIRM LOCATIONS AND ELEVATIONS OF ALL EXISTING NEW AND REROUTED MAINS AND METERS ON JOB RECORD DRAWINGS.

BATHROOM NOTES

1. TUB/SHOWER GLASS ENCLOSURES - ALL DOORS AND PANELS OF SHOWER AND BATHTUB ENCLOSURES SHALL BE FULLY TEMPERED, LAMINATED SAFETY GLASS OR APPROVED PLASTIC PER CBC SECTION 2406.3.

2. TUB/SHOWER WALLS - TUB/SHOWER WALLS MUST BE A SMOOTH, HARD, NONABSORBENT SURFACE (E.G., CERAMIC TILE OR FIBERGLASS) OVER A MOISTURE-RESISTANT UNDERLAYMENT (E.G DENS SHIELD) TO A HEIGHT OF 72" ABOVE DRAIN INLET PER CRC R307.2).

3. VENTILATION - ALL BATHROOMS CONTAINING BATHTUBS AND SHOWERS MUST BE MECHANICALLY VENTILATED PER CBC 1203.4.2/1.

4. SHOWER SIZE - ALL SHOWERS MUST HAVE MIN. INTERIOR FLOOR AREA OF 1,204 SQ. IN. AND CAPABLE OF ENCOMPASSING 30" CIRCLE AND IT SHALL BE MAINTAINED UP TO 70" ABOVE SHOWER DRAIN INLET.

5. SHOWER DOORS MUST OPEN AT LEAST A MIN. OF 22" FOR AN UNOBSTRUCTED EGRESS OPENING PER CPC 411.6.

6. SHOWER AND TUB-SHOWER COMIBNATIONS SHALL BE PROVIDED WITH INDIVIDUAL CONTROL VALVES OF THE PRESSURE BALANCE OR THE THERMOSTATIC MIXING VALVE TYPE PER CPC SECITON 418.0.

7. ALL LIGHTING IN BATHROOM SHALL BE HIGH EFFICACY OR CONTROLLED BY OCCUPANCY/MOTION SENSORS

8. GLAZING IN SHOWERS OR BATHTUB ADACENT WALL OPENINGS WHERE THE BOTTOM OF GLAZING IS LESS THAN 60 INCHES ABOVE A STANDING SURFACE SHALL BE FULLY TEMPERED, LAMINATED SAFETY GLASS OR APPROVED PLASTIC. PER CRC SECTION 4308.4.5.

DRAIN/ WASTE / VENT NOTES

1. ALL WASTE PIPING BELOW 1ST FLOOR SHALL BE SCHEDULE 40 ABS.

2. ALL WASTE PIPING SERVING 2ND FLOOR FIXTURES SHALL BE NO-HUB CAST-IRON. (NOTE: P-TRAP AND TRAP-ARM SHALL BE CAST-IRON. NOTE: TRANSITIONS FROM ABS TO NO-HUB PIPING FOR UPSTAIRS BATHS SHALL BE BENEATH FLOOR AT 1ST FLOOR AND TRANSITIONS BACK TO ABS SHALL BE ABOVE 2ND FLOOR PLATE LINE.)

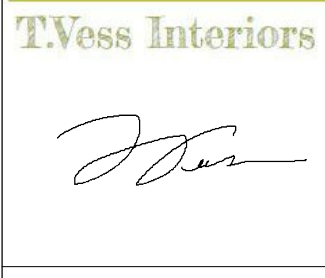
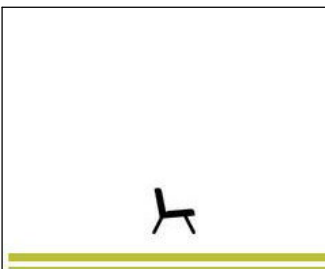
3. ALL VENT PIPING SHALL BE SCHEDULE 40 ABS.

4. VENTS SHALL BE COMBINED TO MINIMIZE ROOF PENETRATION WHERE POSSIBLE. CONFIRM ROOF PENETRATION LOCATIONS WITH GENERAL CONTRACTOR/OWNER PRIOR TO INSTALLING.

5. CLEANOUTS SHALL BE INSTALLED AT UPPER TERMINALS OF ALL HORIZONTAL WASTE RUNS AS PER UPC.

6. PLUMBER SHALL PROVIDE WASTE FOR SOFTENER LOCATION.

7. PROVIDE APPROVED AIR GAP FITTING ON THE DISCHARGE SIDE OF THE DISHWASHING MACHINE(S) WHNN DIRECTLY CONNECTED TO A DRAINAGE SYSTEM OR FOOD DISPOSER.



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STEVE AND GWEN DORCICH

1970 HAYES LANE

GENERAL NOTES & GREEN NOTES

Date 05.06.22

T.VESS

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Scale

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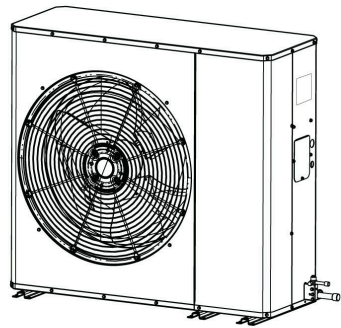
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Submittal

Side Discharge Variable Speed HP

For coastal applications where units are installed within one (1) mile of salt water, epoxy coated models are recommended. These models have an 8 week lead time after order.

4A6L9048A1000A Epoxy Coated Model
4A6L9048A1C0TA



Note: "Graphics in this document are for representation only. Actual model may differ in appearance."

TAG: _____

SAFETY WARNING

Only qualified personnel should install and service the equipment. The installation, starting up, and servicing of heating, ventilating, and air-conditioning equipment can be hazardous and requires specific knowledge and training. Improperly installed, adjusted or altered equipment by an unqualified person could result in death or serious injury. When working on the equipment, observe all precautions in the literature and on the tags, stickers, and labels that are attached to the equipment.

July 2018

4A6L9048A-SUB-1B-EN

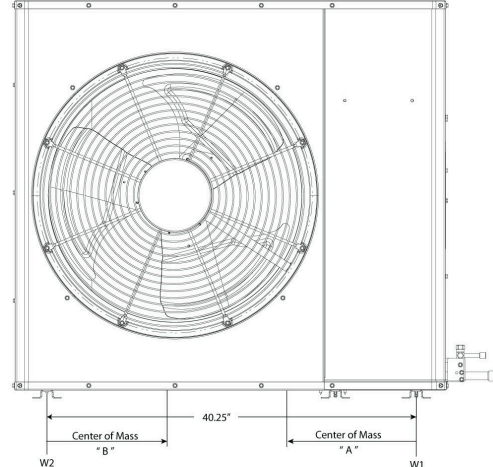


Product Specifications

OUTDOOR UNIT (H) (1)	4A6L9036A1XXXX
POWER CONNS. — V/PH/Hz (2)	208-230/1/60
WIR. BACK, CIR. AMPACITY	24.9
BR. CIR. PROT. RTG. — MAX. (AMPS)	30
COMPRESSOR	DURATION—SCROLL
NO. USED — NO. STAGES	1 — Variable
VOLTS/PH/Hz	208-230/1/60
R.L. AMPS (3) — L.R. AMPS	12.4 / 48.9
FACTORY INSTALLED	
START COMPONENTS (4)	NO
INSULATION/SOUND BLANKET	YES
SURF HEAT	YES
OUTDOOR FAN	PROPELLER
DIA. (IN.) — NO. USED	27.5 — 1
TYPE DRIVE — NO. SPEEDS	DIRECT — VARIABLE
CFM @ 0.0 IN. W.G. (5)	2400
NO. MOTORS — HP	1 — 1/2
MOTOR SPEED R.P.M.	200-1050
VOLTS/PH/Hz	325-385 VDC/3/60
F.L. AMPS	2.3
OUTDOOR COIL — TYPE	PLATE FIN
ROWS — P.F.I.	2 — 16
FACE AREA (SQ. FT.)	13.88
TUBE SIZE (IN.)	5/16
REFRIGERANT	
LBS. — R-410A (O.D. UNIT) (6)	8 LBS. 0.02
FACTORY SUPPLIED	YES
LINE SIZE — IN. O.D. GAS (7)	3/4
LINE SIZE — IN. O.D. LIQ.	3/8
CHARGING SPECIFICATIONS	
SUBCOOLING COOLING MODE	10° F
DIMENSIONS	
CRATED (IN.)	42 x 56 x 24
UNCRATED (IN.)	36-3/4 x 47 x 17-1/2
WEIGHT	
SHIPPING (LBS.)	250
NET (LBS.)	226

- Certified in accordance with the Air-Source Unitary Air-conditioner Equipment Certification program, which is based on AHRI standard 210/240.
- Rated in accordance with AHRI standard 275.
- Calculated in accordance with Natl. Elec. Codes. Use only HACR circuit breakers or fuses.
- This value shown for compressor RLA on the unit nameplate and on this specification sheet is used to compute minimum branch circuit ampacity and max. fuse size. The value shown is the branch circuit without current.
- No means no start components. Yes means quick start kit components. PTC means positive temperature coefficient starter. Optional kit shown.
- Standard Air — Dry Coil — Outdoor
- This value approximate. For more precise value see unit nameplate.
- Reference the outdoor unit ship-with literature for refrigerant piping length and lift guidelines. Reference the refrigerant piping software package 35-3312-xx or refrigerant piping application guide 50-APO006-xx for long line sets or specialty applications (xx denotes latest revision).

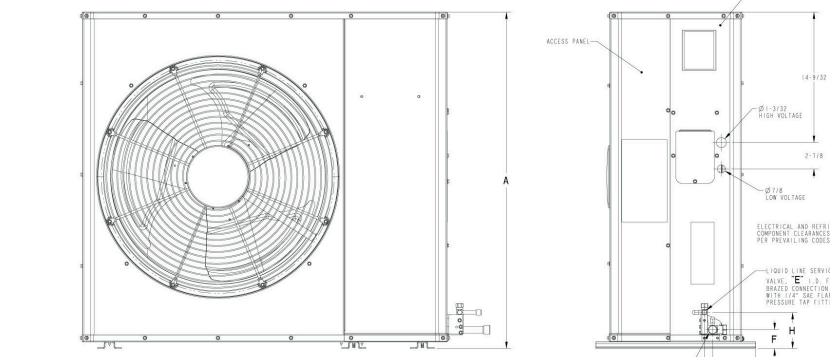
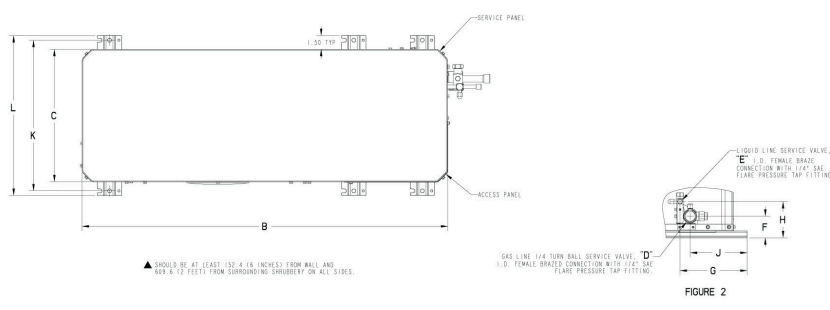
Center Mass Dimensions



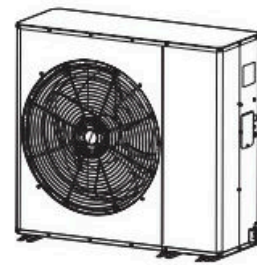
Model	2 Ton	3 Ton	4 1/2 Ton
Total Weight	206	226	247
W1 (LB)	135.63	143.63	150.35
Dim "A"	13.75	15.00	15.75
W2 (LB)	70.37	84.97	96.65
Dim "B"	26.50	25.25	24.50

4A6L9036A-SUB-1B-EN

Outline Drawing



Model	Base	A	B	C	D	E	F	G	H	J	K
4A6L9036A	4.3	934 (36-3/4)	1194 (47)	445 (17-1/2)	16 (3/4)	10 (3/8)	54 (2-1/2)	159 (6-1/4)	101 (3-31/32)	197 (7-11/32)	495 (19-1/2)



Platinum 19
(Variable Speed)

Table SH-3-C - Platinum 19 R-410A Side Discharge Variable Speed Heat Pump (50-100% capacity)—with AccuLink™ (1)

Model Number	Power Supply	Room Cap (BTU/h)	Unrated H	Unrated W	Unrated D	Shipping Weight (lb.)	Sound* Rating (Cool) (Heat)	MCA*	Max. Fuse	OD Gas	OD Lg.
4A6L9024A1000A (1)	208/230/1/60	23,800	37	47	18	229	50	49	19.1	25	7/8
4A6L9036A1000A (1)	208/230/1/60	36,000	37	47	18	250	48	49	26.9	30	7/8
4A6L9048A1000A (1)	208/230/1/60	48,000	43	47	18	269	54	52	31.8	35	7/8
4A6L9060A1000A (1)	208/230/1/60	58,600	43	47	18	269	56	57	36.1	40	7/8

(1) For coastal applications where units are installed within one (1) mile of salt water, epoxy coated models are available for order. Model numbers with "COT" in the eleventh (11) through thirteenth (13) digits represent an epoxy coated coil. Example: 4A6L9056A1C0TA. These models have an 8 week lead time after order.

- Must use ACCU-Link, AZONE950 or AZONE1050 control.
- Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.
- ** Rated in accordance with AHRI Standard 275

Table 1. 3.0 Ton Heating

# Reflective Surfaces	Sound Pressure Level dB(A) per ARI 275 (Max Heating)		
	3' from Property Line	5' from Property Line	7' from Property Line
0	46	41	
1	49(1)	44	
2	52	47	44

(1) Lab tested as per the illustration shown above

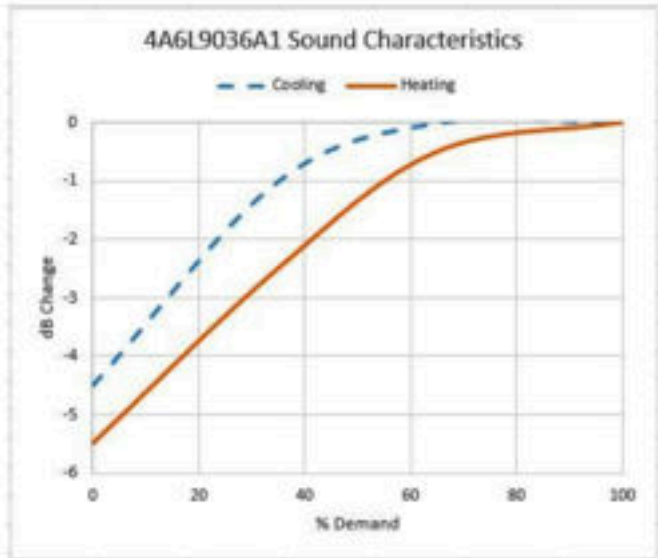
Table 2. 3.0 Ton Cooling

# Reflective Surfaces	Sound Pressure Level dB(A) per ARI 275 (Max Cooling)		
	3' from Property Line	5' from Property Line	7' from Property Line
0	45		
1	48(1)	43	
2	51	46	43

(1) Lab tested as per the illustration shown above

Notes:

- Measuring place: Hemi-Anechoic chamber
- Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.



4 of 6

Steve and Gwen Dorsch

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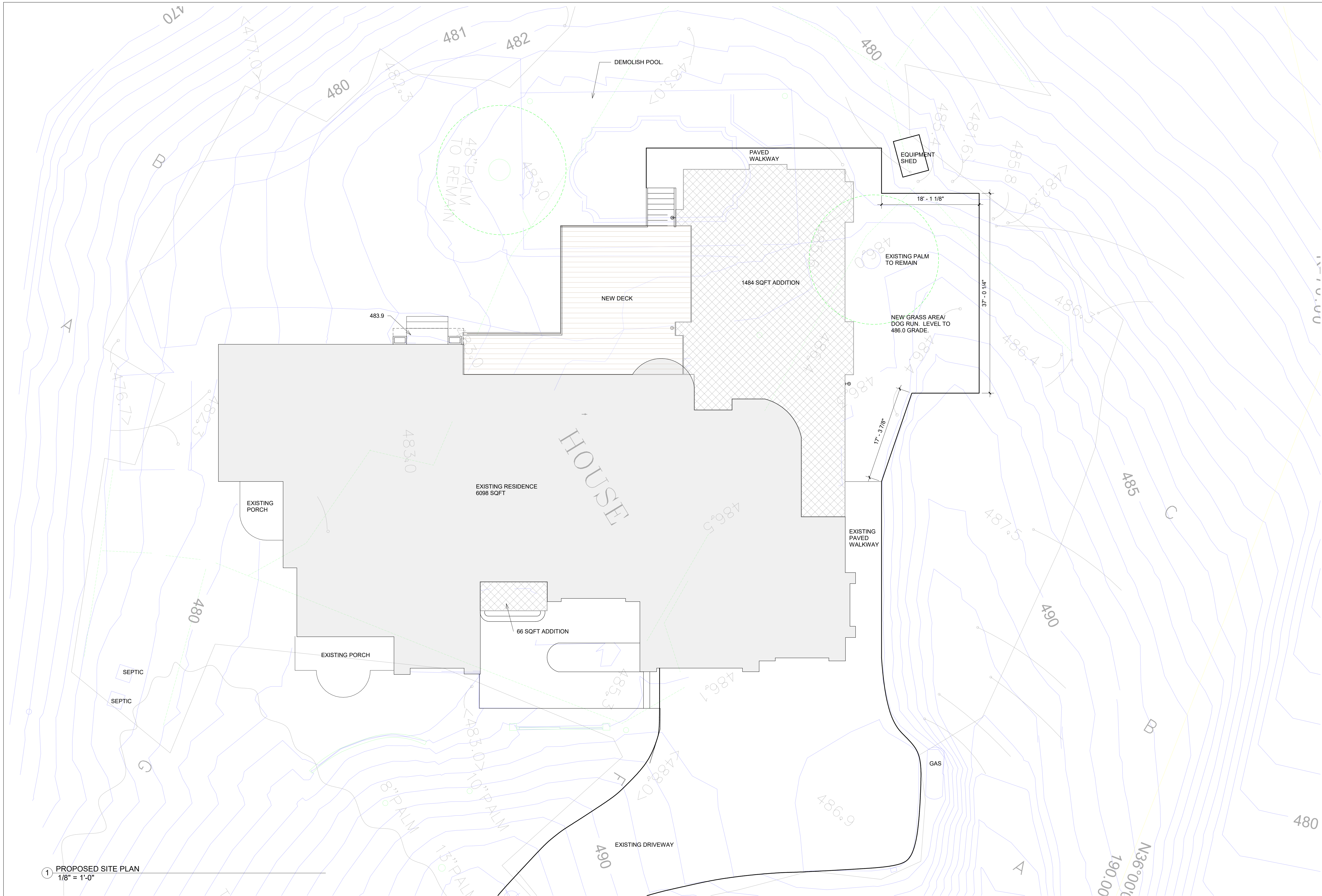
MECHANICAL
SPECIFICATIONS
AND NOTES

Date 05.06.22

T.VESS

A0.4

Scale



1 PROPOSED SITE PLAN
1/8" = 1'-0"

TVess Interiors

John

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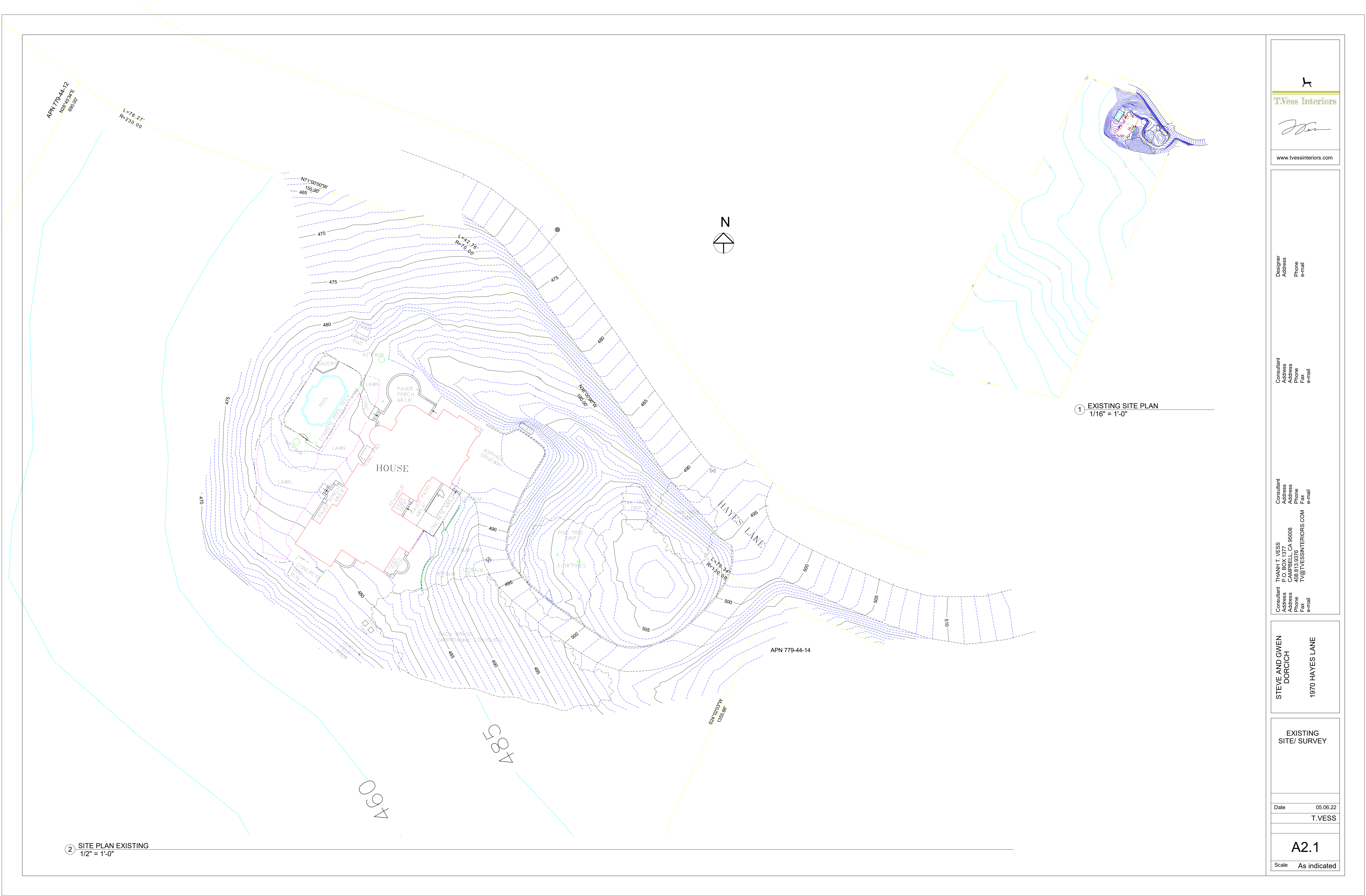
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STEVE AND GWEN
DORCICH
1970 HAYES LANE

PROPOSED
SITE PLAN

Date 05.06.22
T.VESS

A1.0
Scale 1/8" = 1'-0"



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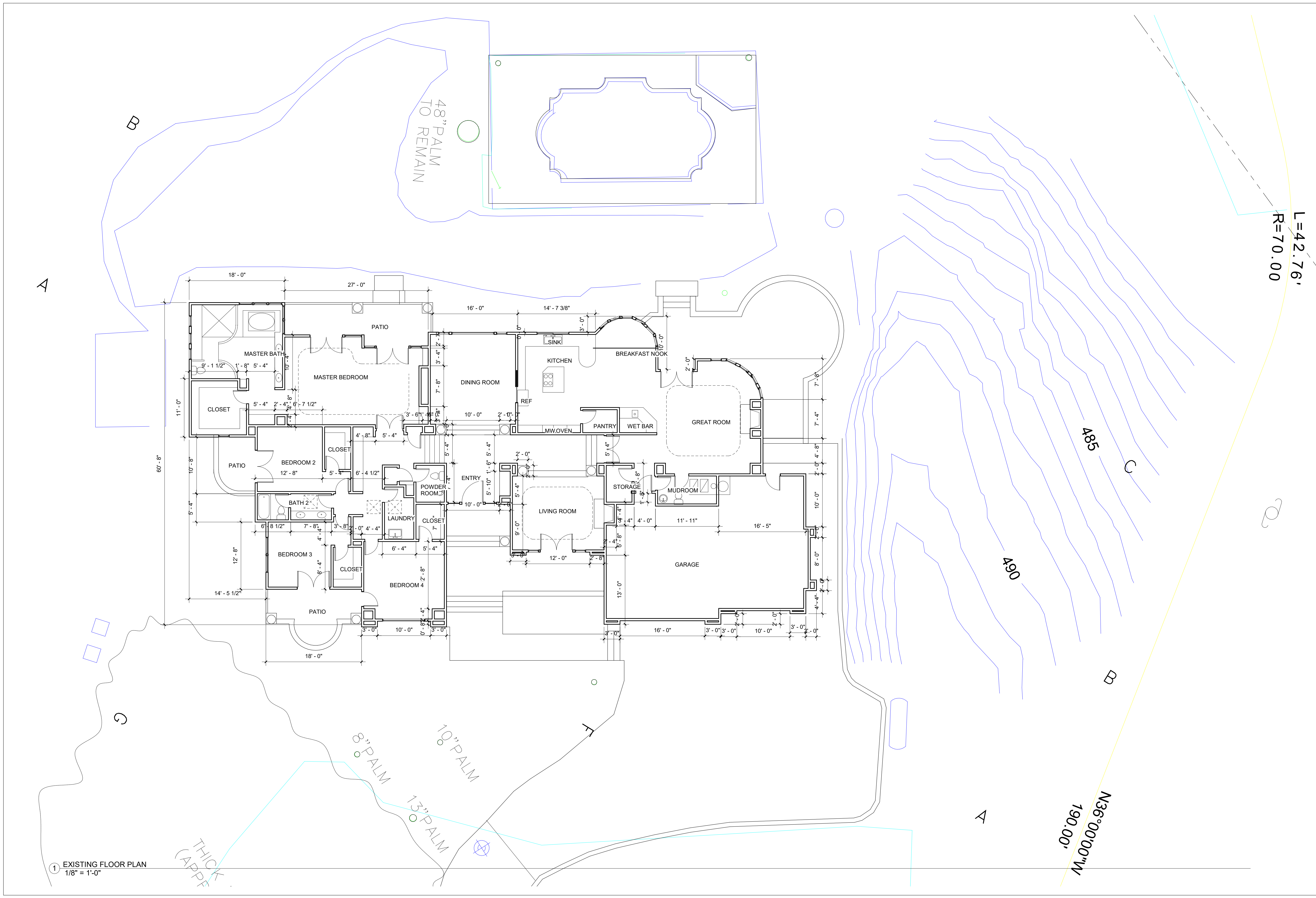
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STEVE AND GWEN
DORCICH
1970 HAYES LANE

EXISTING
SITE/ SURVEY

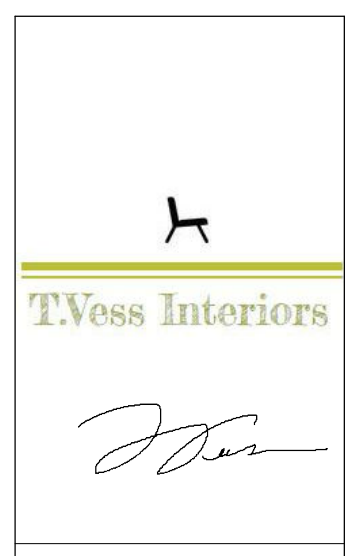
Date 05.06.22
T.VESS

A2.1
Scale As indicated



1 EXISTING FLOOR PLAN
1/8" = 1'-0"

THICK
(APPE



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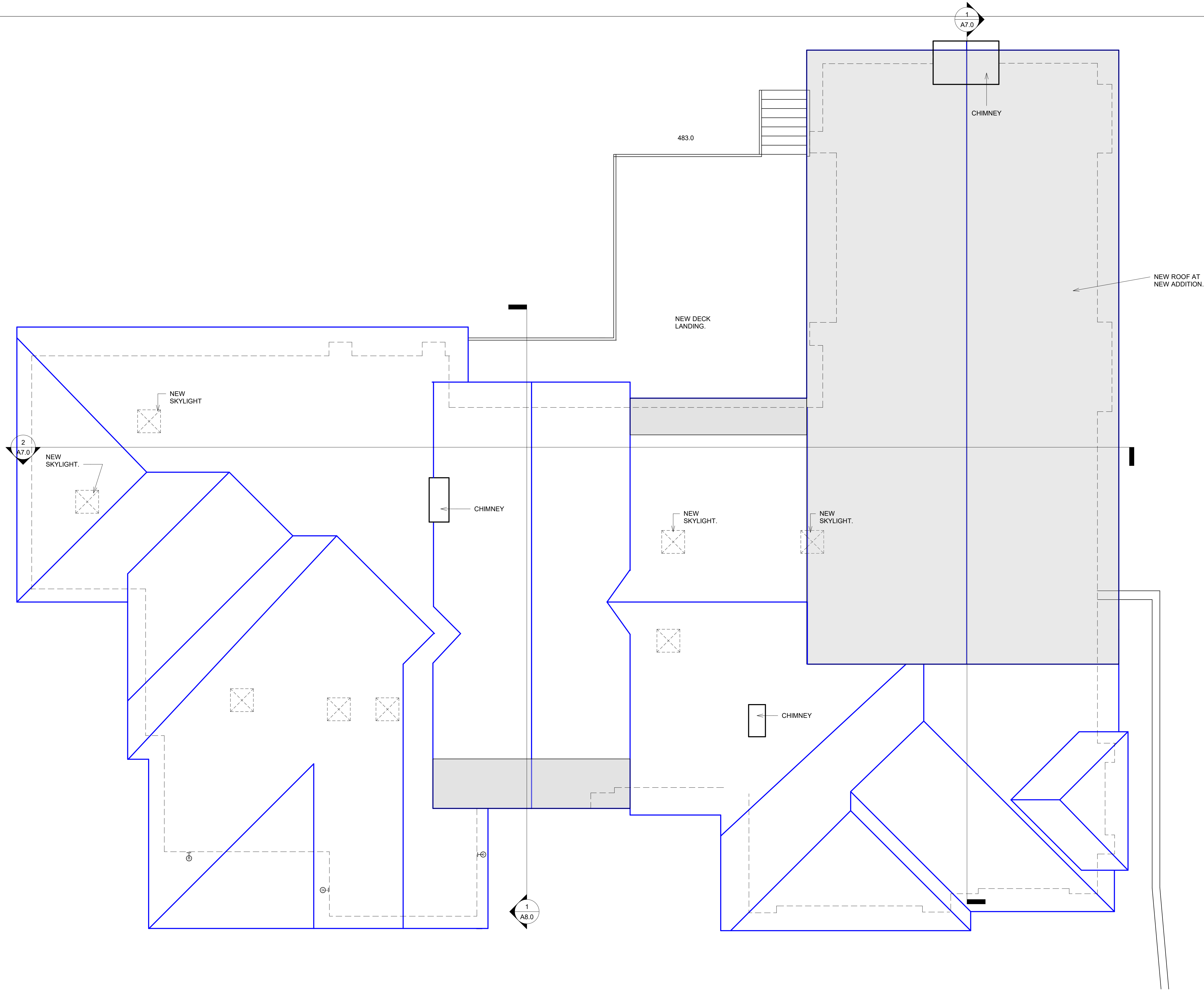
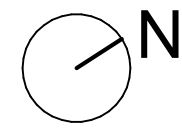
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steve and Gwen Dorcich
1970 Hayes Lane, San
Martin, CA

Existing Floor
Plan

Date 10.03.21
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A2.2
Scale 1/8" = 1'-0"



1 ROOF PLAN
3/16" = 1'-0"



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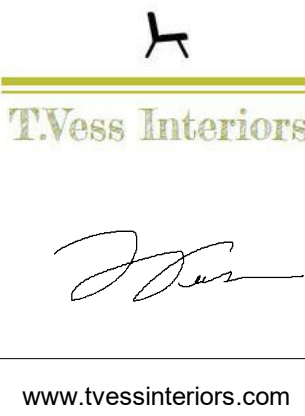
STEVE AND GWEN
DORCICH
1970 HAYES LANE

ROOF PLAN

Date 05.06.22
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A2.0

Scale 3/16" = 1'-0"



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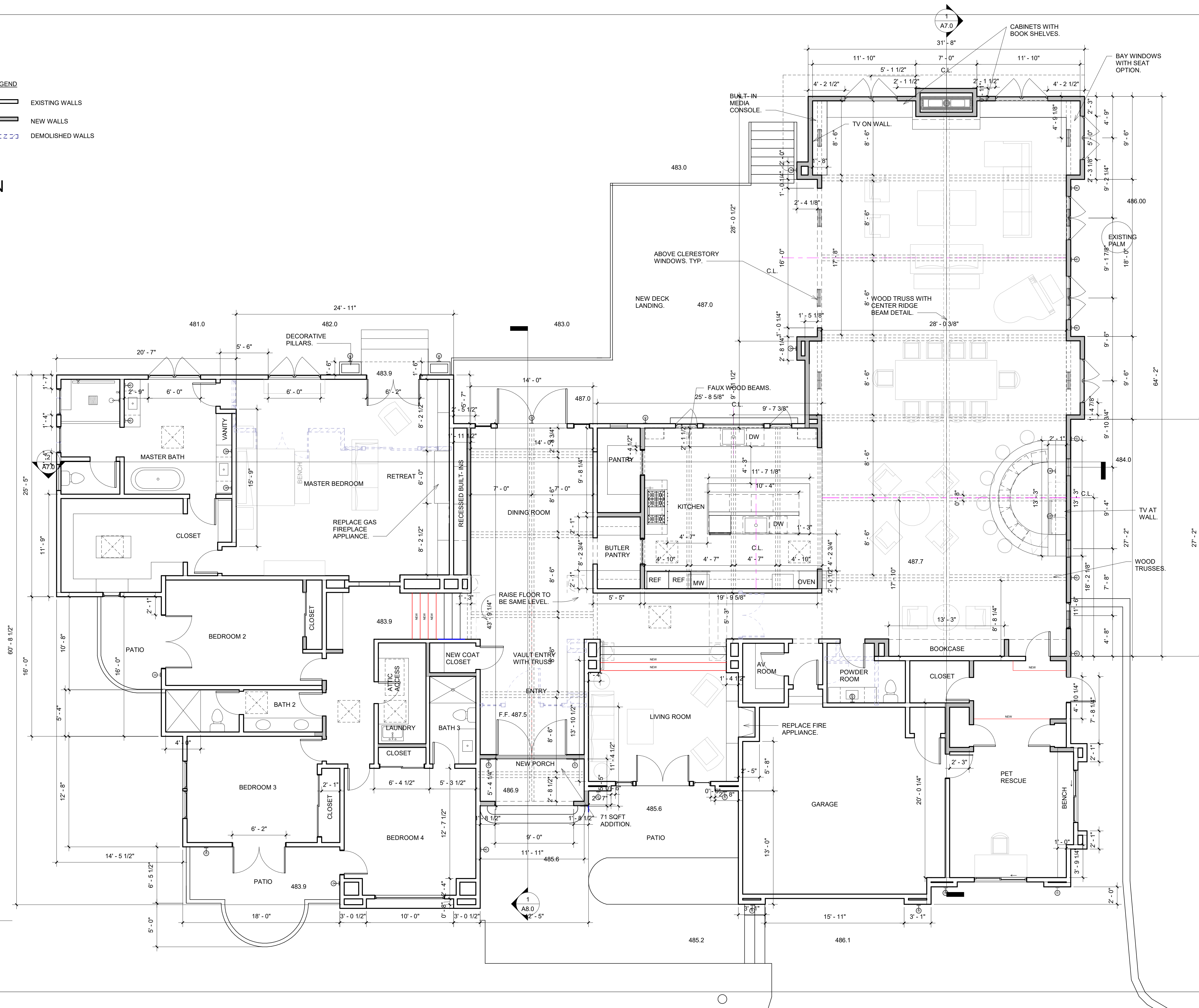
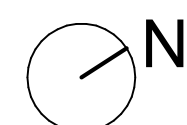
STEVE AND GWEN
DORCICH

EXISTING
SITE/ SURVEY

Date	05.06.22
	T.VESS

A3.0

Scale	As indicated
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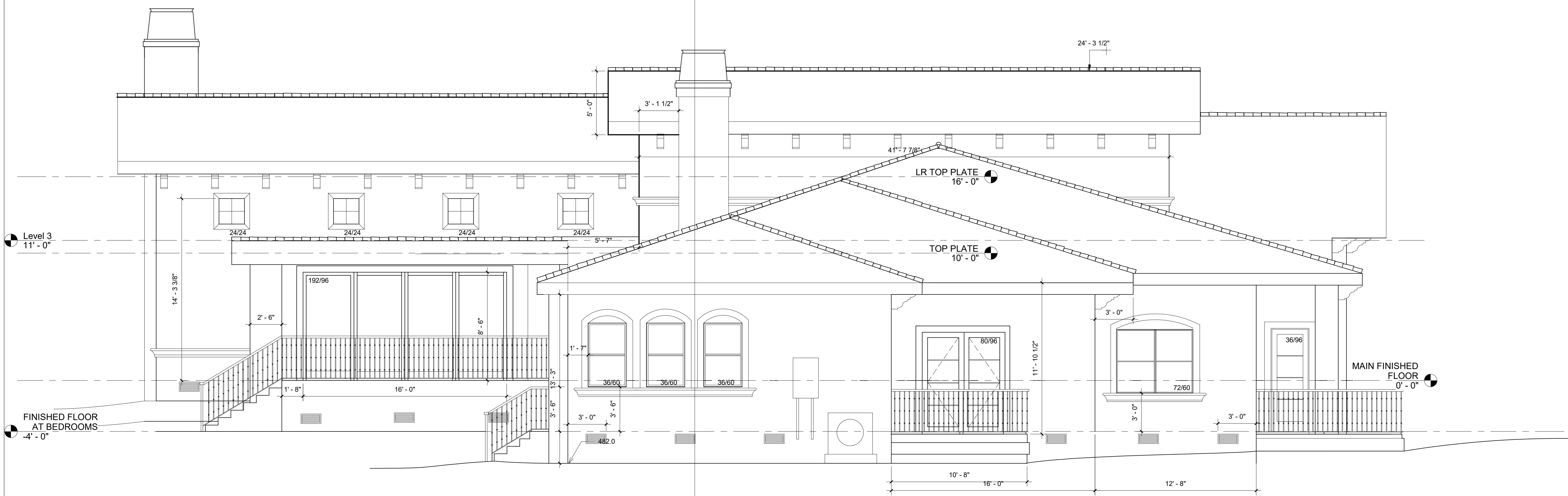
PROPOSED
FLOOR PLAN
AND ADDITION

Date	05.06.22
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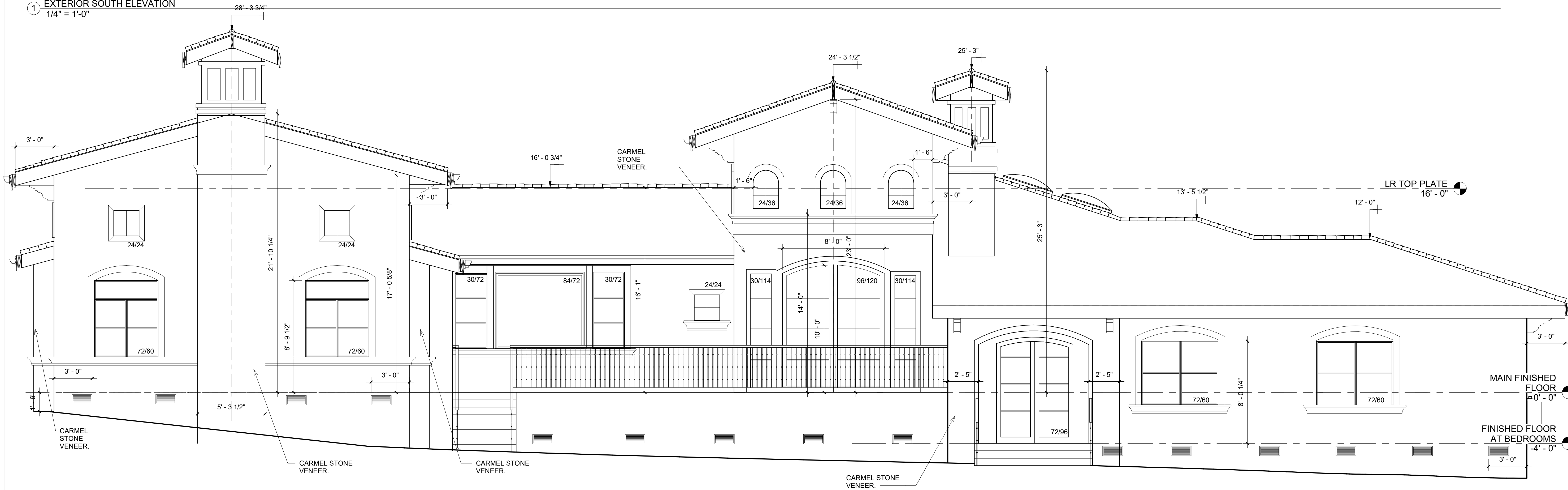
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A4.0

Scale $3/16" = 1'-0"$



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



2 EXTERIOR WEST ELEVATION
1/4" = 1'-0"



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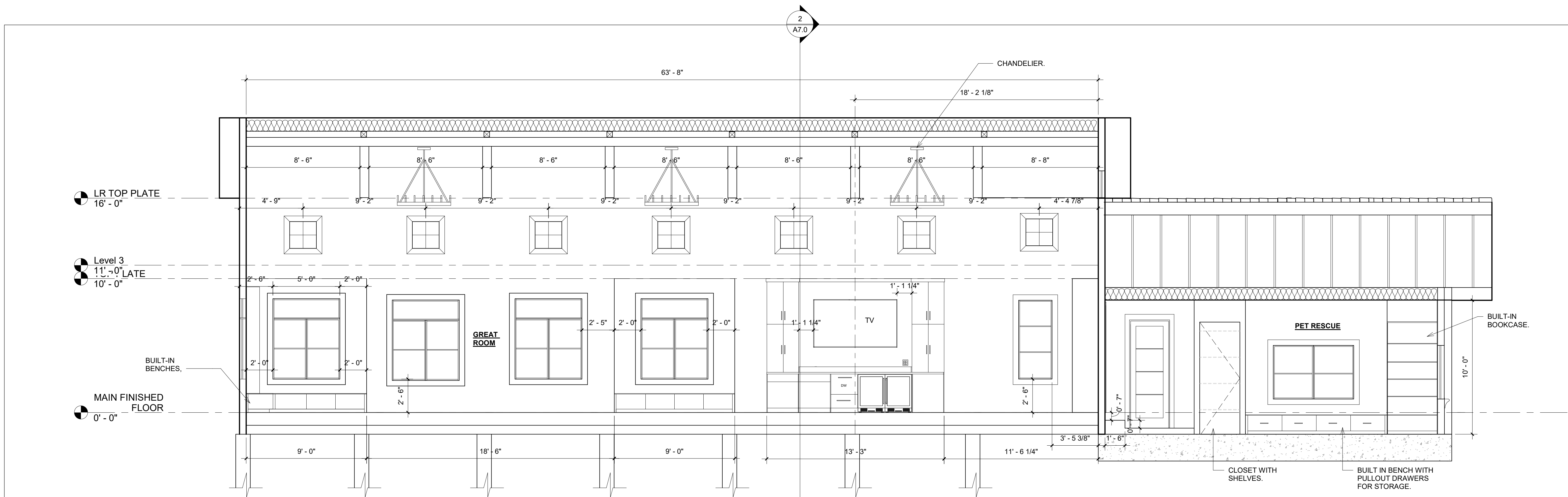
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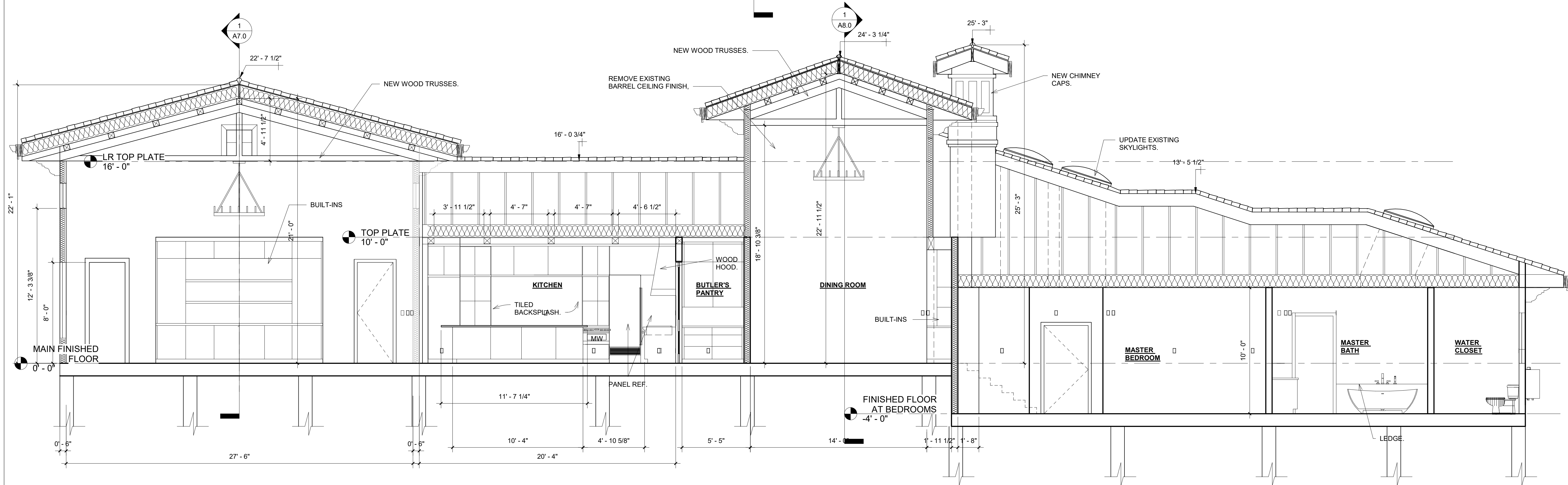
EXTERIOR
ELEVATIONS

Date 05.06.22
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A6.0
Scale 1/4" = 1'-0"



1 Section 1 AT LIVING ROOM
1/4" = 1'-0"



2 Section 2
1/4" = 1'-0"

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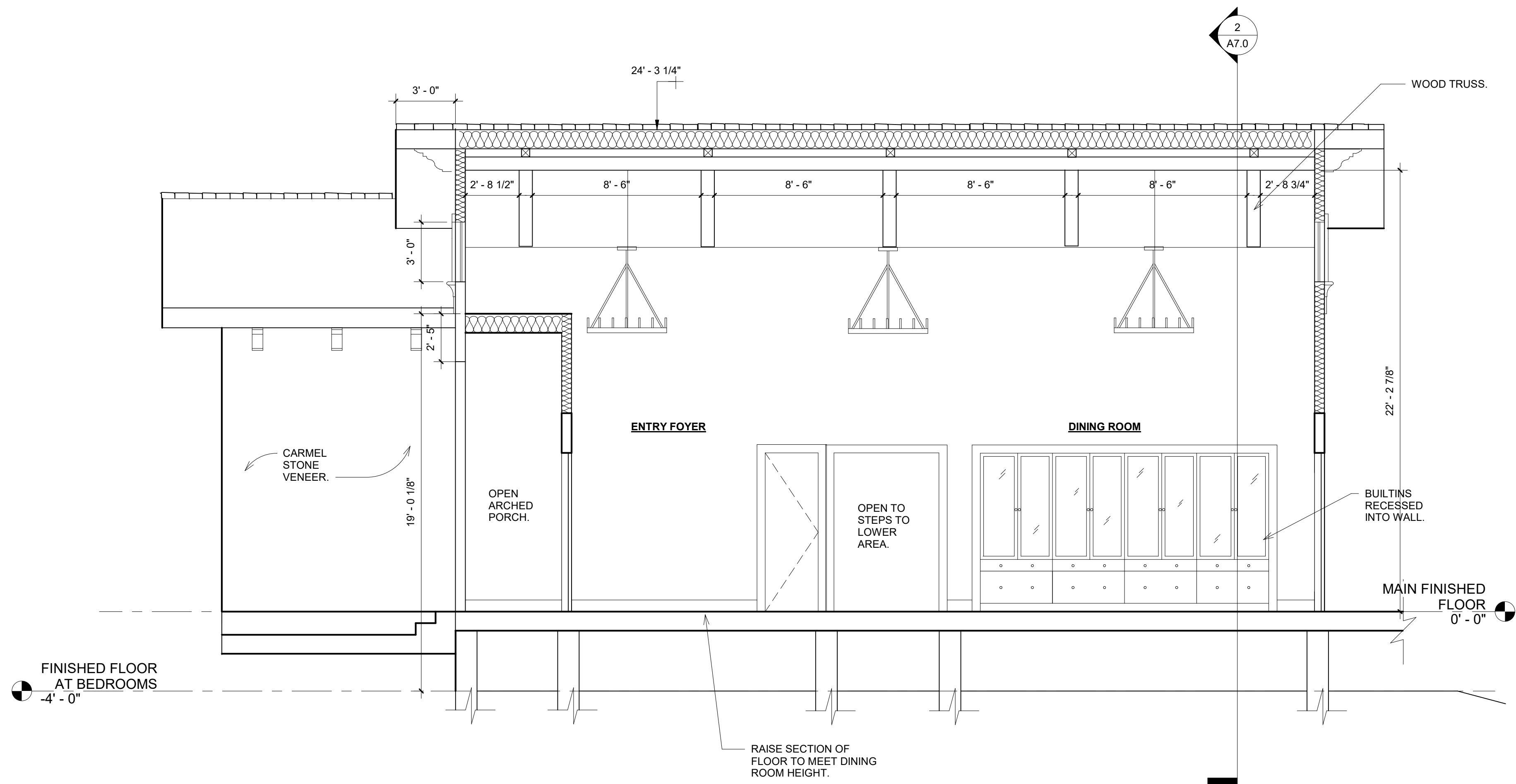
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SECTIONS

Date 05.06.22
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A7.0

Scale 1/4" = 1'-0"



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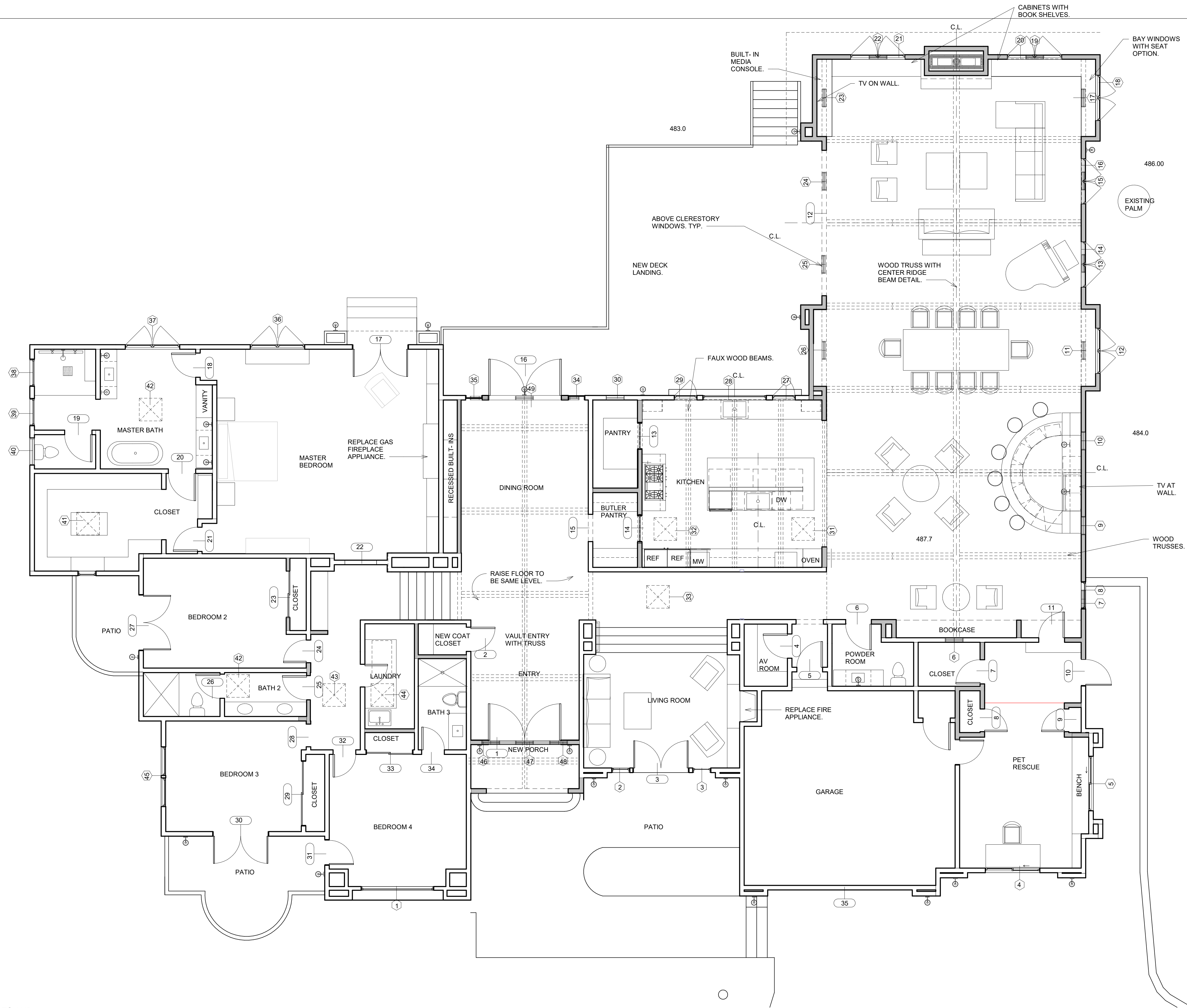
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DORCICH
1970 HAYES LANE

SECTIONS

Date 05.06.22
Author

A8.0

Scale 1/4" = 1'-0"



1 WINDOW AND DOOR SCHEDULES AND PLAN
3/16" = 1'-0"

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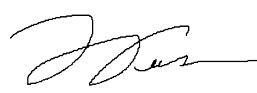
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WINDOW AND
DOOR
SCHEDULE

Date 05.06.22
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A10.0
Scale 3/16" = 1'-0"

WINDOW TAG	ROOM NAME	MANUFACTURER	MODEL NUMBER	SIZE IN INCHES	TYPE	SAFTEY GLASS	DIVIDERS	HARDWARE	INTERIOR FINISH	EXTERIOR FINISH
1	BEDROOM 4	LOEWEN	LOW E	96 X 144	ABOVE FIXED/ BOTTOM THREE AWNING.		GRID/ SEE ELEV.	CRANK CONTEMPORAR Y/ FAUX BRONZE	RICH MAHOGANY	MIDNIGHT BRONZE
2	LIVING ROOM	LOEWEN	LOW E	28 X 96	FIXED PICTURE		YES SEE ELEV.	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
3	LIVING ROOM	LOEWEN	LOW E	28 X 96	FIXED PICTURE		YES SEE ELEV.	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
4	PET RESCUE	LOEWEN	LOW E	72 X 48	2 DOUBLE HUNG		NO	SASH/ FAUX BRONZE	RICH MAHOGANY	MIDNIGHT BRONZE
5	PET RESCUE	LOEWEN	LOW E	72 X 48	2 DOUBLE HUNG		NO	SASH/FAUX BRONZE	RICH MAHOGANY	MIDNIGHT BRONZE
6	GREAT ROOM CLERESTORY AT GARAGE SIDE	LOEWEN	LOW E	24 X 24	FIXED PICTURE		GRID	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
7	GREAT ROOM CLERESTORY	LOEWEN	LOW E	24 X 24	FIXED PICTURE		GRID	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
8	GREAT ROOM	LOEWEN	LOW E	30 X 72	BOTTOM SINGLE HUNG		YES SEE ELEV.	SASH/ FAUX BRONZE	RICH MAHOGANY	MIDNIGHT BRONZE
9	GREAT ROOM CLERESTORY	LOEWEN	LOW E	24 X 24	FIXED PICTURE		GRID	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
10	GREAT ROOM CLERESTORY	LOEWEN	LOW E	24 X 24	FIXED PICTURE		GRID	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
11	GREAT ROOM CLERESTORY	LOEWEN	LOW E	24 X 24	FIXED PICTURE		GRID	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
12	GREAT ROOM	LOEWEN	LOW E	24 X 24	FIXED PICTURE		GRID	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
13	GREAT ROOM CLERESTORY	LOEWEN	LOW E	24 X 24	FIXED PICTURE		GRID	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
14	GREAT ROOM	LOEWEN	LOW E	24 X 24	FIXED PICTURE		GRID	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
15	GREAT ROOM CLERESTORY	LOEWEN	LOW E	24 X 24	FIXED PICTURE		GRID	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
16	GREAT ROOM	LOEWEN	LOW E	24 X 24	FIXED PICTURE		GRID	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
17	GREAT ROOM CLERESTORY	LOEWEN	LOW E	24 X 24	FIXED PICTURE		GRID	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
18	GREAT ROOM	LOEWEN	LOW E	24 X 24	FIXED PICTURE		GRID	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
19	GREAT ROOM CLERESTORY	LOEWEN	LOW E	24 X 24	FIXED PICTURE		GRID	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
20	GREAT ROOM	LOEWEN	LOW E	60 X 72	TOP FIXED, 2 DOUBLE HUNG.		NO	SASH, FAUX BRONZE	RICH MAHOGANY	MIDNIGHT BRONZE
21	GREAT ROOM	LOEWEN	LOW E	60 X 72	TOP FIXED, 2 DOUBLE HUNG.		NO	SASH, FAUX BRONZE	RICH MAHOGANY	MIDNIGHT BRONZE
22	GREAT ROOM CLERESTORY	LOEWEN	LOW E	24 X 24	FIXED PICTURE		GRID	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
23	GREAT ROOM CLERESTORY	LOEWEN	LOW E	24 X 24	FIXED PICTURE		GRID	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
24	GREAT ROOM CLERESTORY	LOEWEN	LOW E	24 X 24	FIXED PICTURE		GRID	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
25	GREAT ROOM CLERESTORY	LOEWEN	LOW E	24 X 24	FIXED PICTURE		GRID	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
26	GREAT ROOM CLERESTORY	LOEWEN	LOW E	24 X 24	FIXED PICTURE		GRID	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
27	KITCHEN	LOEWEN	LOW E	30 X 72	CASEMENT		GRID	CRANK CONTEMPORAR Y/ FAUX BRONZE	RICH MAHOGANY	MIDNIGHT BRONZE
28	KITCHEN	LOEWEN	LOW E	84 X 72	FIXED PICTURE		NO GRID	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
29	KITCHEN	LOEWEN	LOW E	30 X 72	CASEMENT		GRID	CRANK CONTEMPORAR Y/ FAUX BRONZE	RICH MAHOGANY	MIDNIGHT BRONZE
30	PANTRY	LOEWEN	LOW E	24 X 24	FIXED PICTURE		GRID	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
31	KITCHEN SKYLIGHT	VELUX	CURB MOUNT	30 X 30	SOLAR OPERATIONAL		N/A	N/A	WHITE	MIDNIGHT BRONZE
32	KITCHEN SKYLIGHT	VELUX	CURB MOUNT	30 X 30	SOLAR OPERATIONAL		N/A	N/A	WHITE	MIDNIGHT BRONZE
33	HALLWAY AT LIVING ROOM	VELUX	CURB MOUNT	30 X 30	SOLAR OPERATIONAL		N/A	N/A	WHITE	MIDNIGHT BRONZE
34	DINING ROOM	LOEWEN	LOW E	30 X 114	FIXED PICTURE		YES SEE GRID	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
35	DINING ROOM	LOEWEN	LOW E	30 X 114	FIXED PICTURE		YES SEE GRID	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
36	MASTER BEDROOM	LOEWEN	LOW E	72 x 60	FIXED PICTURE		YES SEE GRID	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
37	MASTER BATH	LOEWEN	LOW E	72 x 60	FIXED PICTURE		YES SEE GRID	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
38	MATH BATH SHOWER	LOEWEN	LOW E	36 X 60	DOUBLE HUNG	TEMPERED	NO	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
39	MASTER BATH	LOEWEN	LOW E	36 X 60	DOUBLE HUNG		NO	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
40	MASTER BATH W.C.	LOEWEN	LOW E	36 X 60	DOUBLE HUNG		NO	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
41	MASTER BATH CLOSET	LOEWEN	LOW E	36 X 60	DOUBLE HUNG		NO	N/A	RICH MAHOGANY	MIDNIGHT BRONZE
42	BATH 2 SKYLIGHT	VELUX	CURB MOUNT	30 X 30	SOLAR OPERATIONAL		N/A	N/A	WHITE	MIDNIGHT BRONZE
43	HALL AT BEDROOMS	VELUX	CURB MOUNT	30 X 30						



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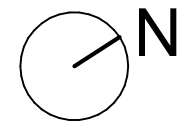
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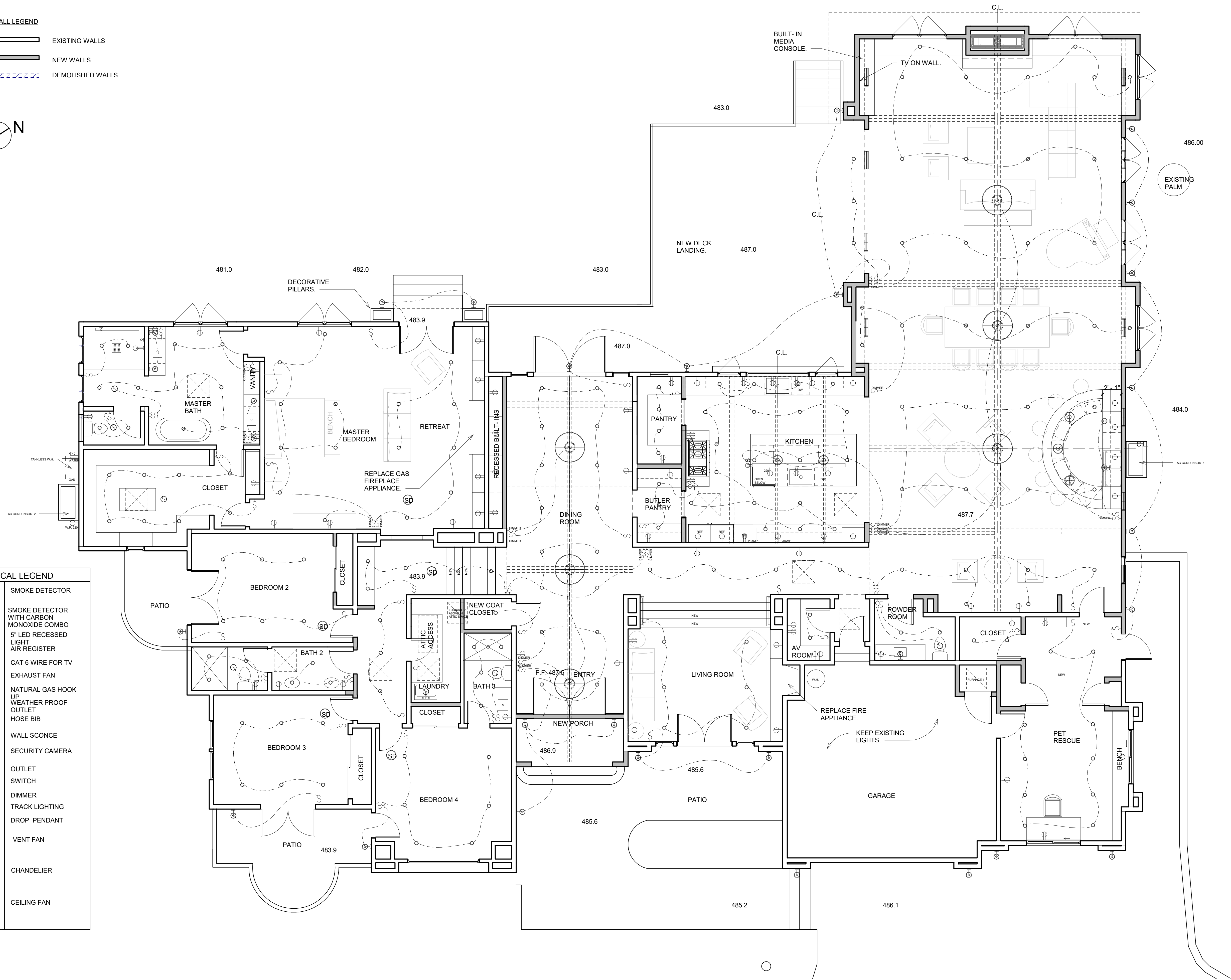
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WALL LEGEND

- EXISTING WALLS
NEW WALLS
DEMOLISHED WALLS



ELECTRICAL LEGEND	
	SMOKE DETECTOR
	SMOKE DETECTOR WITH CARBON MONOXIDE COMBO
	5' LED RECESSED LIGHT
	AIR REGISTER
	CAT 6 WIRE FOR TV
	EXHAUST FAN
	NATURAL GAS HOOK UP
	WEATHER PROOF OUTLET
	HOSE BIB
	WALL SCONCE
	SECURITY CAMERA
	OUTLET
	SWITCH
	DIMMER
	TRACK LIGHTING
	DROP PENDANT
	VENT FAN
	CHANDELIER
	CEILING FAN



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STEVE AND GWEN
DORCICH
1970 HAYES LANE

MECHANICAL,
ELECTRICAL,
PLUMBING

Date 05.06.22
t.vess

M.E.P 1.0

Scale 3/16" = 1'-0"

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EROSION CONTROL NOTES

- EROSION CONTROL MEASURES SHALL BE EFFECTIVE FOR CONSTRUCTION DURING THE RAINY SEASON; OCTOBER 15 THROUGH APRIL 15.
- NO STORM WATER RUNOFF SHALL BE ALLOWED TO DRAIN INTO THE EXISTING AND/OR PROPOSED UNDERGROUND STORM SYSTEM UNTIL SUITABLE EROSION CONTROL MEASURES ARE FULLY IMPLEMENTED. NO STORM WATER RUNOFF SHALL BE ALLOWED TO ENTER THE STORM DRAIN SYSTEM THAT IS NOT CLEAR, AND FREE OF SILTS.
- A FIBER ROLL BARRIER PER "DETAIL SE-5" SHALL BE INSTALL ALONG THE PERIMETER OF THE PROJECT SITE. THE LOCATION OF THE FIBER ROLL ALONG THE PERIMETER SHALL BE ADJUSTED TO ELIMINATE SEDIMENT LADEN RUNOFF FROM LEAVING THE SITE. A FIBER ROLL SHALL ALSO BE REQUIRED AROUND THE PERIMETER OF ANY STOCKPILE OR OTHER SITE OF BARE, LOOSE EARTH.
- ALL STORM DRAIN MANHOLES, CATCH BASINS, AND/OR DROP INLETS THAT ARE TO ACCEPT STORM WATER SHALL HAVE INLET PROTECTION MEASURES PER DETAIL SE-10. STORM WATER RUNOFF SHALL BE DIRECTED TO THESE INLETS ONLY. STORM DRAIN CATCH BASINS THAT ARE NOT COMPLETE, SHALL BE BLOCKED OFF COMPLETELY.
- THE NAME, ADDRESS, AND 24 HOUR TELEPHONE NUMBER OF THE PERSON RESPONSIBLE FOR THE IMPLEMENTATION OF THE EROSION CONTROL PLAN SHALL BE PROVIDED TO THE COUNTY.
- PRIOR TO GRADING, AN ENTRANCE SHALL BE CONSTRUCTED, CONSISTING OF A MINIMUM OF 50 LF. OF DRAIN ROCK, 3" IN DIAMETER, PLACED OVER MIRAFI 500X (OR EQUAL) PER DETAIL TC-1. THE ENTRANCE SHALL CONFORM TO "CONSTRUCTION ENTRANCE DETAIL TC-1". THERE SHALL BE ONLY ONE ENTRANCE/EXIT POINT TO THE SITE DURING THE RAINY SEASON. THE LOCATION SHALL BE AS SHOWN ON THESE PLANS, OR AT A LOCATION APPROVED BY THE COUNTY.
- ALL AREAS OF BARE, TURNED OR DISTURBED EARTH SHALL BE STABILIZED BY USE OF HYDROSEED PER THE TABLE BELOW. ALL STOCKPILES, AND/OR BORROW AREAS SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES SUCH AS A PERIMETER SILT FENCE, AND OTHER METHODS TO PREVENT ANY EROSION OR SILTS MIGRATION. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. CHANGES TO THE EROSION CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS, BUT ONLY WITH THE APPROVAL OF, OR AT THE DIRECTION OF THE COUNTY INSPECTOR. THE STORM DRAIN SYSTEM SHALL MAINTAIN A FORM OF DRAIN INLET PROTECTION UNTIL COUNTY ACCEPTS THE FINAL STREET IMPROVEMENTS. THE DRAIN INLET PROTECTION SHALL BE MAINTAINED, EFFECTIVE AND SUBJECT TO COUNTY INSPECTOR'S APPROVAL.
- ALL PAVED STREET, AND AREAS ADJACENT TO THE SITE SHALL BE KEPT CLEAR OF EARTH MATERIALS AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO ELIMINATE SEDIMENT LADEN RUNOFF FROM ENTERING THE STORM DRAIN SYSTEM.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSPECT AND REPAIR ALL EROSION CONTROL FACILITIES AT THE END OF EACH DAY DURING THE RAINY SEASON. ANY DAMAGED STRUCTURAL MEASURES ARE TO BE REPAIRED BY END OF THE DAY. TRAPPED SEDIMENT IN "SD INLETS" (AND OTHER EROSION CONTROL MEASURES) SHALL BE REMOVED TO MAINTAIN TRAP EFFICIENCY. REMOVED SEDIMENT SHALL BE DISPOSED BY SPREADING ON SITE, WHERE IT WILL NOT MIGRATE.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREVENT THE FORMATION OF AIRBORNE DUST NUISANCE AND SHALL BE RESPONSIBLE FOR ANY DAMAGE RESULTING FROM A FAILURE TO DO SO.
- ALL DRAIN SWALES SHALL BE PER DETAIL EC-9.
- INCOMPLETE GRADING SHALL NOT BE ALLOWED. CONTRATOR SHALL MAINATIN A DRAIN PATH AS SHOWN ON THIS PLAN. SAID DRAIN PATH SHALL BE MAINTAINED LINED DRAIN SWALES, AND INLET PROTECTION AT A MINIMUM. IF PONDING DOES OCCUR ON THE SITE AFTER GRADING, THE WATER MUST BE FREE AND CLEAR OF SEDIMENT PRIOR TO DISCHARGE TO THE STORM DRAIN SYSTEM. THIS REQUIREMENT MAY NECESSITATE THE USE OF NATURAL AND/OR MECHANICAL DESILTING METHODS, SUBJECT TO APPROVAL BY THE COUNTY INSPECTOR.
- F THESE EROSION CONTROL MEASURE PROVE INADEQUATE, STRAW MULCH, TACKIFIER, AND ADDITIONAL HYDROSEEDING MAY BE REQUIRED.

HYDROSEED TABLE	
ITEM	LBS/ACRE
COMMON BARLEY	45
ANNUAL RYEGRASS	45
CRIMSON CLOVER	10
FERTILIZER 7-2-3	400
FIBER MULCH	2000
TACKIFIER	100

- ALL GRADING WORK BETWEEN OCTOBER 15th AND APRIL 15th IS AT THE DISCRETION OF THE SANTA CLARA COUNTY BUILDING OFFICIAL.
- PROVIDE SHRUBS AND/OR TREES REQUIRED ON SLOPES GREATER THAN 15 FEET IN VERTICAL HEIGHT.
- THE OWNER/OWNER'S CONTRACTOR, AGENT, AND/OR ENGINEER SHALL INSTALL AND MAINTAIN THROUGHOUT THE DURATION OF CONSTRUCTION AND UNTIL THE ESTABLISHMENT OF PERMANENT STABILIZATION AND SEDIMENT CONTROL WITHIN THE SANTA CLARA COUNTY MAINTAINED ROAD RIGHT OF WAY AND ANY PORTION OF THE SITE WHERE STORM WATER RUN-OFF IS DIRECTLY FLOWING INTO THE SANTA CLARA COUNTY MAINTAINED ROAD RIGHT OF WAY BEST MANAGEMENT PRACTICES (BMP'S) TO PREVENT CONSTRUCTION MATERIALS, EXCAVATED MATERIALS, WASTE MATERIALS, AND SEDIMENT CAUSED BY EROSION FROM CONSTRUCTION ACTIVITIES ENTERING THE STORM DRAIN SYSTEM, WATERWAYS, AND ROADWAY INFRASTRUCTURE. BMP'S SHALL INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING PRACTICES APPLICABLE TO THE PUBLIC ROAD AND EXPRESSWAY FACILITIES:
 - REDUCTION OF POLLUTANTS IN STORM WATER DISCHARGES FROM THE CONSTRUCTION SITE AND THE CONTRACTOR'S MATERIAL AND EQUIPMENT LAYDOWN/STAGING AREAS.
 - PREVENTION OF TRACKING OF MUD, DIRT AND CONSTRUCTION MATERIALS ONTO PUBLIC ROAD RIGHT OF WAY.
 - PREVENTION OF DISCHARGE OF WATER RUNOFF DURING DRY AND WET WEATHER CONDITIONS ONTO PUBLIC ROAD RIGHT OF WAY
- THE OWNER/OWNER'S CONTRACTOR, AGENT, AND/OR ENGINEER SHALL ENSURE THAT ALL TEMPORARY CONSTRUCTION FACILITIES, INCLUDING BUT NOT LIMITED TO CONSTRUCTION MATERIALS, DELIVERIES, HAZARDOUS AND NON-HAZARDOUS MATERIAL STORAGE, EQUIPMENT, TOOLS, PORTABLE TOILETS, CONCRETE WASHOUT, GARBAGE CONTAINERS, LAYDOWN YARDS, SECONDARY CONTAINMENT AREAS, ETC. ARE LOCATED OUTSIDE THE SANTA CLARA COUNTY MAINTAINED ROAD RIGHT OF WAY AND ANY PORTION OF THE SITE WHERE STORM WATER RUN-OFF IS DIRECTLY FLOWING INTO THE SANTA CLARA COUNTY MAINTAINED ROAD RIGHT OF WAY SHALL HAVE SEASONALLY APPROPRIATE BMP'S INSTALLED AND MAINTAINED AT ALL TIMES.

LEGEND

- PROVIDE FIBER ROLL SLOPE PROTECTION PER DETAIL SE-5
- P PORT-O-LET WITH SECONDARY CONTAINMENT
- MS MATERIAL STORAGE AND LAYDOWN AREA
- VP CONSTRUCTION TRAILER AND VEHICLE PARKING AREA

APPROVED FOR ISSUANCE
REFER TO ENCROACHMENT AND/OR
CONSTRUCTION PERMIT AND PLAN
COVER SHEET FOR SPECIAL
CONDITIONS AND PERMIT NUMBERS

REVISIONS:		
DATE	DESCRIPTION	BY:

HANNA-BRUNETTI

EST. 1993

CIVIL ENGINEERS • LAND SURVEYORS

CONSTRUCTION MANAGERS

7651 EAGLEBERRY STREET • GILROY • 95020 • CALIFORNIA

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EMAIL: ENGINEERING @ HANNABRUNETTI.COM

DATE: FEBRUARY 2022

HORIZ. SCALE: 1"=20'

VERT. SCALE: NONE

DESIGNED BY: AM

CHECKED BY:

DRAWN BY: TM

date: _____ 20
Hanna - Brunetti

Amanda Joy Musy-Verdel

R.C.E. # 69278
expires: 6/30/20



REFERENCES

UNINCORPORATED
FEBRUARY 2022

Erosion Control Plan

Lands of Vess - 1970 Hayes Lane - apn 779-44-012

SANTA CLARA COUNTY
CALIFORNIA

GENERAL NOTES

GENERAL NOTES:

- ALL WORK PERFORMED IN THIS PROJECT SHALL COMPLY WITH 2019 CALIFORNIA BUILDING CODE OR/AND 2019 CALIFORNIA RESIDENTIAL CODE.
- ALL WORK PERFORMED SHALL COMPLY WITH THESE GENERAL REQUIREMENTS UNLESS OTHERWISE NOTED ON PLANS OR SPECIFICATIONS.
- CONTRACTOR SHALL COORDINATE ALL DRAWINGS, VERIFY ALL DIMENSIONS, ELEVATIONS AND CONNECTIONS BEFORE CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ON SITE VERIFICATION OF CONDITIONS.
- DRAWINGS ARE NOT TO BE SCALED. DIMENSIONS NOT SPECIFIED, WHEN REQUIRED BY FIELD CONDITION, SHALL BE DETERMINED BY ENGINEER.
- ENGINEER SHALL BE NOTIFIED FOR ANY FIELD CONDITIONS DIFFERENT FROM THOSE INDICATED ON DRAWINGS.
- ENGINEER SHALL BE NOTIFIED FOR ANY QUESTION WHICH MAY ARISE PERTAINING TO THE DRAWINGS AND SPECIFICATIONS.
- GENERAL CONTRACTOR AND HIS/HER SUBCONTRACTORS ARE RESPONSIBLE FOR ORDER AND MEANS OF CONSTRUCTION AND ALL TEMPORARY BRACING & ERECTION DURING CONSTRUCTION.
- CONTRACTOR AND HIS/HER SUBCONTRACTORS ARE RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING AND THE PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREET AND UTILITIES.
- TECHNICAL DETAILS ON THESE SHEETS SHALL APPLY WHERE NO SPECIFIC DETAILS OR SECTIONS ARE GIVEN.
- MATERIAL NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER THE STRUCTURAL NOTES CONTAINED HEREIN.
- ALL DRAWINGS AND SUBSEQUENT REVISIONS IF ANY SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO STARTING CONSTRUCTION.
- ENGINEER SHALL BE NOTIFIED FOR ANY QUESTION WHICH MAY ARISE PERTAINING TO THE DRAWINGS AND SPECIFICATIONS.
- CONTRACTOR SHALL VERIFY ALL HEATING, VENTILATING, PLUMBING AND ELECTRICAL OPENINGS AND NOTIFY THE ENGINEER FOR ANY DEVIATIONS FROM THE DRAWINGS.
- THE STRUCTURAL DRAWINGS SHOW STRUCTURAL FEATURES ONLY. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND OTHER DRAWINGS FOR NON-STRUCTURAL ITEMS.
- EXCEPT AS NOTED HEREIN, NO STRUCTURAL MEMBERS SHALL BE OMITTED, NOTCHED, CUT, BLOCKED OUT, OR RELOCATED WITHOUT PRIOR APPROVAL BY THIS ENGINEER.
- THE STRUCTURAL DRAWINGS FOR THIS PROJECT DESCRIBE THE BUILDING STRUCTURE ONLY, AND ARE NOT INTENDED TO SHOW NON-STRUCTURAL ITEMS, COORDINATION FOR AND INSTALLATION OF MECHANICAL, ELECTRICAL, ARCHITECTURAL AND MISCELLANEOUS NON-STRUCTURAL ITEMS SHOWN ELSEWHERE IN THE PROJECT PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- SUBCONTRACTORS FOR STRUCTURAL PORTIONS OF THE BUILDING, INCLUDING BUT NOT LIMITED TO FOUNDATIONS AND STRUCTURAL FRAME, ARE ADVISED TO REVIEW ALL DIVISIONS OF THE PLANS AND SPECIFICATIONS FOR NON-STRUCTURAL ITEMS WHICH MAY BE EMBEDDED IN, ATTACHED TO OR OTHERWISE CONNECTED TO THE STRUCTURAL ELEMENTS OF THE BUILDING BEFORE SUBMITTING THEIR BIDS.
- IN CASE OF CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.
- MATERIAL NOTES AND SPECIFICATIONS ON DRAWINGS SHALL TAKE PRECEDENCE OVER THE PROJECT SPECIFICATIONS.

FRAMING NOTES:

- CONTRACTOR SHALL REVIEW ALL TYPICAL FRAMING DETAILS (E.G. TOP PLATE SPLICE, WALL CORNER CONNECTIONS, SHEAR PANEL, NAILING, DRIF ETC.), SILL NAILING AND BLOCK NAILING REQUIREMENTS PER FOOTNOTES IN SHEAR WALL SCHEDULE PRIOR TO STARTING ANY FRAMING WORK.
- BEAM-TO-POST (ISOLATED) CONNECTIONS SHALL BE PROPERLY ALIGNED AND CONNECTED WITH BG BRACKETS UON.
- WHERE PARTITION WALLS PARALLEL TO THE FRAMING BELOW, DOUBLE JOISTS SHALL BE PROVIDED BELOW THE WALL, WHERE PERPENDICULAR, 2X BLOCKINGS SHALL BE PROVIDED BETWEEN EACH JOIST.
- 2X BLOCKINGS SHALL BE PROVIDED BETWEEN THE FLOOR JOISTS AT THE ENDS AND AT EACH SUPPORT OF THE FLOOR JOISTS, SUCH AS BEARING WALL, STRUCTURAL BEAM, ETC. BLOCKINGS MAY BE OMITTED ONLY AS SPECIFIED ON PLAN, OR AT THE ENDS OF THE FLOOR JOISTS WHERE THEY ARE NAILED TO A HEADER, BEAM, OR RIM JOIST.
- BOTTOM OF POSTS SHALL HAVE FULL BEARING IN A TIGHT-FIT CONDITION WITH THE SUPPORTING STRUCTURAL MEMBER BELOW.
- WHERE POSTS TERMINATED ON FLOOR WITH STUD WALLS OR BEAMS BELOW, THE SPACE BETWEEN THE BOTTOM OF THE POST AND THE TOP OF THE PLATE OR THE BEAM SHALL BE SOLIDLY FILLED WITH 2X BLOCKINGS AND THE STUD WALL BELOW SHALL HAVE MATCHING POST AT SAME LOCATION.
- UON BOTTOM OF ISOLATED POSTS WHEN TERMINATED ON FLOOR SHALL BE FIXED TO THE FLOOR DIAPHRAGM BY 2-A35 FRAMING ANCHORS.
- UON ALL DOOR AND WINDOW HEADERS SHALL BE 4X8DF #2 GRADE AT 2X4 WALLS OR 6X8 DF #1 GRADE AT 2X6 WALLS.
- CUTTING BEAMS, JOISTS, AND RAFTERS: NOTCHES FROM TOP EDGE AND BORED HOLES SHALL BE LIMITED TO 1/6 MEMBER DEPTH (LOCATED AWAY FROM BEARING NOT MORE THAN 3 TIMES MEMBER DEPTH, ALL OTHER CUTS, NOTCHES, AND BORES EXCEEDING 2" DIAMETER ARE DISALLOWED ONLY WHEN APPROVED IN ADVANCE.
- ALL FRAMING, BRACING, NAILING, NOTCHING, DRILLING, OR BORING SHALL BE IN ACCORDANCE WITH CBC UNLESS MORE STRINGENT REQUIREMENTS ARE SPECIFIED.
- UON ALL WINDOW AND DOOR OPENINGS 6 FT AND WIDER SHALL HAVE DOUBLE KING STUDS & TRIMMERS.
- UON ALL FLUSH MOUNTED SAWN LUMBER BEAMS OR MULTIPLE JOISTS SHALL HAVE 1/4" HANGERS WHERE PLATE IS FLUSH MOUNTED, FLUSH MOUNTED GULLAM BEAMS SHALL BE AS INDICATED ON PLAN.
- UON ALL FLUSH MOUNTED SINGLE FLOOR JOISTS SHALL HAVE 1/4" HANGERS AND ALL FLUSH MOUNTED SINGLE ROOF RAFTERS SHALL HAVE 1/4" HANGERS.
- ALL EXTERIOR WALL CORNERS SHALL BE TIED WITH ST225S AT SLOPING PLATES CONDITION.
- POSTS OR MULTI-STUDS SHALL BE PROVIDED AT LOWER FLOOR UNDER POSTS OR MULTI-STUDS ABOVE.
- UON ALL BEARING AND/OR SHEAR WALLS WHICH ARE PLUMBING WALLS SHALL BE 2X6.
- ALL CALIFORNIA FRAMING SHALL BE 2X6 RAFTERS AT 24" O.C. WITH CRIPPLE WALLS SUPPORT AT 8'-0" O.C. AT HIGH ROOF.
- PROVIDE A35 CLIP ON EACH SIDE OF GIRDER TRUSS AT BEARING WALLS.
- PROVIDE 3/8" CDX(OSB) AT FRIERFACE FRAMING.

MISCELLANEOUS NOTES:

- MAXIMUM FLOOR LIVE LOAD IS 40 PSF.
- MAXIMUM ROOF LIVE LOAD IS 20 PSF.
- ALL FRAMING ANCHORS, STRAPS, HANGERS, POST CAPS, COLUMN BASES, HOLD-DOWNS, HINGE CONNECTORS, ANGLES AND CLIPS SHALL BE MANUFACTURED BY SIMPSON OR EQUAL. NAILING SCHEDULE SHALL BE IN ACCORDANCE WITH PRODUCT REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING THE APPROPRIATE SIZE AND CONFIGURATION OF CONNECTORS FROM THE SERIES DESIGNATED ON DRAWINGS, UNLESS NOTED OTHERWISE.
- UNLESS NOTED OTHERWISE ALL NAILS SHALL BE COMMON NAIL.
- ALL TOE NAILING SHALL BE 8D NAILS.
- ALL NAILS EXPOSED TO THE WEATHER SHALL BE HOT-DIPPED GALVANIZED NAIL.
- CONVENTIONAL LET-IN BRACINGS ARE NOT REQUIRED IN THIS PROJECT.
- NELSON STUDS SHALL BE MANUFACTURED AND FABRICATED PER TRW NELSON REQUIREMENTS.
- ALL ITEMS (SPRINKLER PIPES, MECHANICAL EQUIPMENTS, ETC) INTENDED TO BE SUPPORTED ON, OR FROM THE STRUCTURE, UNLESS WITHIN THE STRUCTURAL DRAWINGS, SHALL BE SUBMITTED TO THIS ENGINEER PRIOR TO INSTALLING.
- UNLESS NOTED OTHERWISE, SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS, WALLS, RAMPS, PATIOS, ELEVATIONS, ROOF PITCHES, ETC.
- UON PROVIDE ST6236 AT PLATES AT PLUMBING PENETRATIONS.
- ALL SIMPSON CS STRAPS SHALL BE ATTACHED TO FRAMING 8D NAILS IN EVERY OTHER NAIL HOLE IN EACH ROW.

SHEATHING NOTES:

- ANY PLYWOOD SHEATHING PANELS USED ON ROOF, FLOOR AND SHEAR WALLS SHALL NOT BE LESS THAN 4 FT BY 8 FT, EXCEPT AT BOUNDARIES AND CHANGES IN FRAMING WHERE MINIMUM SHEET DIMENSION SHALL BE 24 INCHES UNLESS ALL EDGES OF THE UNDERSIZED SHEETS ARE SUPPORTED BY FRAMING MEMBER OR BLOCKING.
- ROOF PLYWOOD SHALL BE 1/2" CDX(OSB) APA 24/0, FACE GRAIN PERPENDICULAR TO FRAMING MEMBERS BELOW, STAGGER ADJACENT PANELS BY 4 FEET, NAILED WITH 8D COMMON NAILS AT 6" O.C. ALL PLYWOOD PANEL EDGES AND AT 12" O.C. ALL INTERMEDIATE SUPPORTS.
- ROOF PLYWOOD SHALL BE 3/4" CDX APA 48/24 TONGUE AND GROOVE, FACE GRAIN PERPENDICULAR TO FRAMING MEMBER BELOW MEMBER BELOW STAGGER ADJACENT PANELS BY 4 FEET, NAILED WITH 10D COMMON NAILS AT 6" O.C. ALL PLYWOOD PANEL EDGES AND AT 10" O.C. ALL INTERMEDIATE SUPPORTS, FLOOR TRUSS SPACED • 19"2" O.C. (USE RING SHANK NAIL AND GULE).
- FLOOR PLYWOOD SHALL BE 3/4" TONGUE AND GROOVE AT FLOOR WHEN JOISTS ARE 16" O.C. OR LESS AND 1/2" TONGUE AND GROOVE AT FLOOR WHEN TRUSSES ARE GREATER THAN 16" O.C.
- ALL FLOOR PLYWOOD SHALL BE GULE TO THE JOISTS, THE FIELD GULED FLOOR SYSTEM SHALL BE INSTALLED ACCORDING TO THE RECOMMENDATION OF THE APA. GULE SHALL BE APPLIED TO JOISTS AND TO THE GROOVE IN THE EDGE OF THE T&G PANEL. GULE SHALL MEET THE REQUIREMENTS OF THE APA AD-ESIVE SPEC. APG-01 AND SHALL BE APPLIED AS DIRECTED BY THE GULE MANUFACTURER. GULE MAY BE APPLIED MANUALLY OR WITH PNEUMATIC OR ELECTRIC EQUIPMENT.
- SHEAR WALL PLYWOOD SHALL BE 3/8"(1/2") CDX(OSB) APA 24/0, ALL PLYWOOD PANEL EDGES BLOCKED AND NAILED PER SHEARWALL SCHEDULE. ALL PLYWOOD PANELS SHALL BE NAILED WITH 8D 100 COMMON OR GALVANIZED BOX NAILS AT 12" O.C.
- SHEAR WALL CDX(OSB) SHALL BE PLACED ON THE DESIGNATED SIDE OF STUDS AS SHOWN ON PLAN. THE CDX(OSB) SHALL BE PLACED ON THE OPPOSITE SIDE PROVIDED. IF THERE ARE NO PERPENDICULAR WALLS INTERSECTING FULL LENGTH OF SHEAR WALL, 2 SHEARWALL CDX(OSB) IS CONTINUOUSLY PLACED ACROSS PERPENDICULAR WALL FRAMING, OR 3 SHEAR WALL CORNER DETAILS FOLLOWED.
- ALL ROOF AND FLOOR BEAMS AND COLLECTORS(COLL) SHALL RECEIVE CDX(OSB) EDGE NAILING ALONG ITS FULL LENGTH.
- ALL CALIFORNIA ROOF FRAMING SHALL HAVE ROOF CDX(OSB) AT BOTH UPPER AND LOWER ROOFS.

NAILING SCHEDULE (MINIMUM):

- THIS NAILING SCHEDULE TO BE USED ONLY IF NOT SPECIFIED ELSEWHERE IN THESE STRUCTURAL DRAWINGS.
1. ALL NAILING SPECIFIED ON DRAWINGS AND THIS SCHEDULE SHALL BE IN ACCORDANCE WITH 2019 CBC TABLE 2304.01.
- A. JOISTS TO SILL OR GIRDER, TOENAIL, B. BRIDGING TO JOIST, TOENAIL, EACH END 2-8D
- C. SOLE PLATE TO JOIST OR BLOCKING, TYPICAL FACE NAIL (ALSO SEE SHEAR WALL SCHEDULE) 16D AT 16" O.C.
- D. PLATE TO STUD, END NAIL, E. STUD TO SOLE PLATE 2-16D, TOENAIL OR 2-16D, END NAIL 2-20D, END NAIL • 3X SOLE PLATE
- F. MULTIPLE STUDS, FACE NAIL, G. DOUBLE TOP PLATES, TYPICAL FACE NAIL, DOUBLE TOP PLATES, LAP SPLICE 16D AT 12" O.C. 16D AT 16" O.C. 8-16D
- H. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE, TOENAIL 3-8D 8D AT 6" O.C.
- I. RIM JOIST TO TOP PLATE, TOENAIL 3-8D 8D AT 6" O.C.
- J. TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL 2-16D 16D AT 16" O.C. ALONG EACH EDGE 3-8D 3-8D
- K. CONTINUOUS HEADER, TWO PIECES 3-16D 16D AT 24" O.C.
- L. CEILING JOISTS TO PLATE, TOENAIL, M. CONTINUOUS HEADER TO STUD, TOENAIL, N. CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL 3-8D 8D AT 6" O.C.
- O. CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL 3-16D 16D AT 24" O.C.
- P. RAFTER TO PLATE, TOENAIL, Q. I' BRACE TO EACH STUD AND PLATE, 2-8D 16D AT 24" O.C.
- R. BUILT-UP CORNER STUDS 16D AT 24" O.C.
- S. BUILT-UP GIRDER AND BEAMS, FOR USING MULTIPLE MEMBERS AND INTERCONNECT ADJACENT PIECES AS FOLLOWS: 2 ROWS 16" • 16" O.C. 11 1/4" DEPTH 2X MEMBERS OVER 11 1/4" DEPTH 1/2" MB • 24" O.C. STAGGERED, 2" MIN. FROM EDGES
- T. STUDS, POSTS OR OR MULLIONS TO BEARING 2-8D TOE NAILS EACH SIDE, EACH END INTO PLATES.
- U. TOP PLATES SPLICE, NON-SHEAR WALLS ONLY 6-16D EACH SIDE OF SPLICE.
- V. PLATES OVERLAPPED NOT LESS THAN 48" 16D AT 16" O.C. STAGGERED ALONG FULL LENGTH.
- W. FACIA TO END OF RAFTER 2-16D, GALVANIZED
- X. COLLAR TIE TO RAFTER 3-10D FACE NAIL
- Y. JACK RAFTER TO HIP 3-10D TOE NAIL
- Z. ROOF RAFTER TO 2-BY RIDGE BEAM 2-16D TOE NAIL
- ZI. JOIST TO BAND JOIST 3-16D FACE NAIL
- ZJ. LEDGER STRIP 3-16D FACE NAIL
2. ANY CONTINUOUS WALL LINES CONTAINING SHEAR WALL SEGMENTS SHALL HAVE THEIR TOP PLATES SPLICED ACCORDING TO THE DETAIL 1/82 TYPICAL CONTINUOUS TOP PLATES LOCATED ON SHEET S-2.
3. ALL MACHINE BOLTS SHALL CONFORM TO ASTM A307.
4. BOLT HOLES SHALL BE 1/32" TO 1/16" LARGER THAN THE BOLT
5. A METAL PLATE, METAL STRAP, OR WASHER NOT LESS THAN 3/16" THICK, STANDARD CUT WASHER SHALL BE BETWEEN THE WOOD AND THE BOLT HEAD AND BETWEEN THE WOOD AND THE NUT.
6. HOLES FOR NAILS SHALL BE PRE-DRILLED WHERE SPLITTING OF WOOD MAY OCCUR.
7. FASTENERS FOR PRESSURE-PRESERVATIVE TREATED AND FIRE-RETARDANT TREATED WOOD SHALL BE OF HOT-DIPPED ZINC COATED GALVANIZED, OR STAINLESS STEEL.

ADDITION AND REMODELING:

- EXISTING CONSTRUCTION SHOWN ON DRAWINGS WAS OBTAINED FROM EXISTING DRAWINGS AND/OR BY FIELD MEASUREMENTS.
- CONTRACTOR SHALL VERIFY ALL EXISTING FIELD CONDITIONS AND DIMENSIONS PRIOR TO STARTING CONSTRUCTION.
- CUTTING, DRILLING, REMOVAL, ETC. OF THE EXISTING CONSTRUCTION SHALL BE PERFORMED IN A GREAT CARE NOT TO DAMAGE THE INTEGRITY OF THE BUILDING.
- NO EXISTING MEMBERS MAY BE REMOVED UNLESS THE STRUCTURAL PLANS INDICATED OTHERWISE.
- IF STRUCTURAL MEMBERS NOT INDICATED FOR REMOVAL ARE INTERFERING WITH THE NEW WORK, THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED.
- CONTRACTOR SHALL SAFELY SHORE THE EXISTING CONSTRUCTION WHEREVER THE EXISTING SUPPORTS ARE REMOVED TO ALLOW THE INSTALLATION OF THE NEW WORK.
- ALL LOCATIONS WHERE NEW STRUCTURE IS ATTACHED TO EXISTING STRUCTURE SHALL BE WATERPROOF AND DAMPROOF.
- OWNER OR HIS CONTRACTOR TO ENSURE THAT THE NEW ALTERATION WORKS SHALL NOT CAUSE ANY EXISTING MECHANICAL, ELECTRICAL, PLUMBING ETC. SYSTEMS UNOPERATIONAL.

LUMBER NOTES:

- ALL LUMBER SHALL BE AT A MOISTURE CONTENT OF 19% MAXIMUM AT TIME OF INSTALLATION AND FABRICATION.
- SILL PLATES, WOOD AGAINST CONCRETE AND OTHER MEMBERS LOCATED WITHIN 8" OF FINISH GRADE SHALL BE PRESSURE TREATED DOUGLAS FIR LARCH.
- 2X4 STUDS SHALL BE DOUGLAS FIR LARCH STANDARD GRADE OR BETTER.
- 2X6 STUDS SHALL BE DOUGLAS FIR LARCH #2 OR BETTER.
- TOP 6" SOLE PLATES SHALL BE DOUGLAS FIR LARCH #2 OR BETTER.
- 6 X 6 & 4X POSTS SHALL BE DOUGLAS FIR LARCH #2 OR BETTER.
- 2 X 6 & 4X JOISTS AND BEAMS SHALL BE DOUGLAS FIR LARCH #2 OR BETTER.
- 6 X 6 & 8X FRAMING MEMBERS SHALL BE DOUGLAS FIR LARCH #1 OR BETTER.
- SIMPLY SUPPORTED GULED-LAM BEAMS SHALL BE 24F-V4 DFL/DPL PER CBC.
- GULED-LAM BEAMS CANTILEVERED AT ENDS OR CONTINUOUSLY ACROSS SUPPORTS SHALL BE 24F-V6 DFL/DPL PER CBC.
- GULED-LAM BEAMS SHALL BEAR AITC CERTIFICATES AND SUBMITTED TO THE BUILDING OFFICIAL.
- SHOP DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW BEFORE FABRICATION.
- ALL STRUCTURAL COMPOSITE LUMBER, INCLUDE PSL, LVL & GLU LAM BEAM SHALL BE 164 OR LESS FOR THE MOISTURE CONTENT.

FOUNDATION NOTES:

- FOUNDATION DESIGN IS IN ACCORDANCE WITH • SOL REPORT PROVIDED BY POLLAK ENGINEERING, INC. PROJECT NO. 1270, 4 DECEMBER 2021. SHALL BE REFERENCED FOR THIS PROJECT.
- FOUNDATION PLANS AND PERTINENT DETAILS SHALL BE REVIEWED AND APPROVED BY THE ABOVE SOILS ENGINEER PRIOR TO ANY FOUNDATION WORK.
- SOILS REPORT SHALL TAKE PRECEDENCE OVER STRUCTURAL NOTES AND DETAILS.
- SITE GRADING, SUBGRADE PREPARATION, CUTTING SLOPES, EXCAVATION AND PLACEMENT OF ENGINEERED FILL MATERIAL SHALL BE PERFORMED IN ACCORDANCE WITH THE SOILS REPORT AND/OR GRADING PLAN.
- FOR SLAB-ON-GRADE CONSTRUCTION THE SOILS REPORT SHALL BE REFERENCED REGARDING COMPACTION, SOAKING, MOISTURE BARRIER, SUBBASE, GRAVEL, SAND, • ETC.
- FINISH GRADE SHALL BE SLOPED AWAY FROM THE FOUNDATION AND MINIMUM 8" BELOW THE SILL PLATE.
- SITE DRAINAGE REQUIREMENTS INCLUDING FINAL PAD GRADES, ROOF DRAINAGE DOWNSPOUTS SHALL BE REFERRED TO GRADING & LOT PLANS.
- THE LOCATION AND DIMENSION OF UNDER-FLOOR VENTILATION, CONCRETE DRIVEWAY, WALKWAY, DOOR PADS AND OTHER SIMILAR ITEMS PER ARCHITECTURAL PLANS.
- OWNER OF ADJACENT PROPERTY SHALL BE NOTIFIED IN WRITING IN NO LESS THAN 10 DAYS BEFORE THE FOUNDATION EXCAVATION ALONG THE PROPERTY LINE.
- ALLOWABLE BEARING PRESSURE UNDER DEAD LOAD PLUS LIVE LOAD IS 2000 PSF PER SOIL REPORT. VALUE INCREASED 33% FOR WIND OR SEISMIC LOADING.

CONCRETE NOTES:

- FOUNDATION CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS.
- REBARS, DOWELS AND OTHER EMBEDDED ELEMENTS SHALL BE SECURED IN PLACE AND APPROVED BY THE BUILDING OFFICIAL BEFORE POURING CONCRETE.
- COLD JOINTS MAY BE USED WHERE SHOWN. JOINTING SURFACE SHALL BE CLEAN, FREE OF FOREIGN MATERIAL AND INTENTIONALLY ROUGHENED.
- SPECIAL INSPECTIONS REQUIRED WHERE CONCRETE STRENGTH GREATER THAN 2500 PSI IS SPECIFIED.

REINFORCEMENT NOTES:

- REINFORCING STEEL SHALL BE DEFORMED BARS OF BILLET OR AXLE STEEL. BAR ASTM A615 GRADE 40.
- REINFORCEMENT SHALL BE CLEAN AND FREE OF EXTRANEOUS MATERIAL.
- ALL REINFORCEMENT SHALL BE PLACED AND SUPPORTED IN A TRUE LINE AS SHOWN.
- 3" CLEARANCE SHALL BE PROVIDED WHERE CONCRETE IS CASTED AGAINST EARTH, 2" CLEARANCE FOR CONCRETE EXPOSED TO EARTH OR WEATHER BUT DEPOSITED AGAINST FORMS, AND 3/4" CLEARANCE FOR SLABS AND WALLS WHERE CONCRETE IS NOT EXPOSED TO EARTH OR WEATHER.
- LAP ALL REINFORCING SPLICES A MINIMUM 48 BAR DIAMETERS BUT IN NO CASE LESS THAN 48".
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
- CONTRACTOR SHALL INFORM ENGINEER 48 HOURS PRIOR TO POURING STRUCTURAL CONCRETE FOR REVIEWING THE WORK.

ANCHORAGE NOTES:

- UON ON FOUNDATION PLAN, SILL PLATES FOR ALL EXTERIOR, INTERIOR BEARING AND SHEAR WALLS SHALL BE ANCHORED TO CONCRETE FOUNDATION WITH 5/8" DIA. ANCHOR BOLTS WITH 7" EMBEDMENT MINAT MAXIMUM 4 FEET ON CENTER. ANCHOR BOLTS SHALL BE INSTALLED WITH SIMPSON BP 5/8-3 (3X3X1/4") BEARING PLATES.
- BEARING/SHEAR WALL AND/OR EXTERIOR WALL SILLS RECEIVING FASTENERS SHALL HAVE THE FIRST FASTENER AT 6" FROM EACH CUT END OF THE SILL. (TWO FASTENERS MINIMUM PER EACH PIECE)
- INTERIOR NON-BEARING WALL SILLS TO RECEIVE THE FIRST FASTENER AT 6" FROM EACH CUT END OF THE SILL.
- ANCHOR BOLTS MATERIAL SHALL BE ASTM A307.
- POWDER DRIVEN ANCHOR PINS GLETTI X-0072, (ICC ESR-2379) MAY BE USED ON INTERIOR NON-SHEAR AND NON-BEARING WALL ONLY.
- POWDER DRIVEN ANCHOR PINS SHALL BE SPACED AT MAXIMUM 16" O.C.
- UNLESS HELD IN PLACE WHEN POURING CONCRETE, FASTENERS TO BE INSTALLED AFTER THE CONCRETE HAS SET FOR 7 DAYS MINIMUM.
- ANCHOR BOLTS SHALL BE EMBEDDED 7" MINIMUM INTO CONCRETE OR REINFORCED MASONRY AND 15" MINIMUM INTO UNREINFORCED GROUTED MASONRY.
- UON, IF PANO, HTI, P-H, H-DA AND H-D HOLD-DOWNS SHALL BE ATTACHED TO 4X4 POST MIN WITH SHEAR EDGE NAILING ALONG FULL HEIGHT.
- CONTRACTOR IS TO VERIFY LOCATION OF HOLD-DOWNS AND ANCHOR BOLTS WITH ROUGH FRAMING TO ASSURE PROPER AND ACCURATE INSTALLATION.
- UON, INDIVIDUAL ISOLATED POSTS SHALL BE ANCHORED BY PB CONNECTORS.
- HOLD-DOWNS SHALL BE TIED IN PLACE PRIOR TO INSPECTION.
- FASTENERS FOR PRESSURE-PRESERVATIVE TREATED AND FIRE-RETARDANT TREATED WOOD SHALL BE OF HOT-DIPPED ZINC COATED GALVANIZED, OR STAINLESS STEEL.

DESIGN CRITERIA FOR SEISMIC & WIND PER ASCE7-16 AND 2019 CBC

WIND DESIGN DATA:

ULTIMATE WIND SPEED • 95 MPH
NOMINAL WIND SPEED • 74 MPH (EXPOSURE B)

SEISMIC DESIGN DATA:

USGS METHOD GOVERNS
SEISMIC DESIGN CATEGORY • D
BUILDING STORY • 1
SOIL SITE CLASS • B-Rock
SI • 0.60 G
SDS • 0.90 G
SDI • 0.32 G
0.7V • 0.097 W

GRAVITY LOAD PARAMETERS

DEAD LOAD	LIVE LOAD	TOTAL LOAD
ROOF • 15-17 PSF	• 20 PSF	• 40 PSF
7 PSF FOR CEILING (JOIST)	(10 PSF NON CONCURRENTLY WITH TOP CHORD 20 PSF LIVE LOAD)	
FLOOR • 15 PSF	• 40 PSF	• 55 PSF
WALL (EXT) • 17 PSF		
WALL (INT) • 10 PSF		

SHEAR WALL SCHEDULE

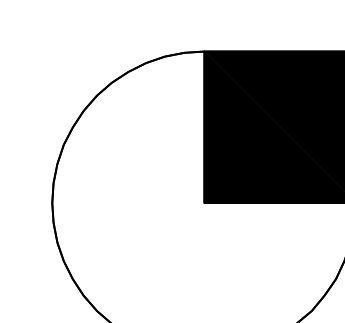
ID.	PLF S-SES W-WIND	SHEAR MATERIAL	EDGE NAILING	FIELD NAILING (INTERMEDIATE)	SILL NAILING • EA 16" O.C. (FOOTNOTE 2)	BLOCK NAILING • EA 16" O.C. (FOOTNOTE 3)	ANCHOR BOLTS SCHEDULE (FOOTNOTE 7)
P1	340	1/2" CDX (OSB) (15/32" NOMINAL STRUCTURAL I)	10D COMMON OR GALV BOX • 4" O.C. BLOCK ALL EDGES 2X (M/D 1 SOLE)	100 COMMON OR GALV BOX • 12"	4-16D	2-8D TN • (2)A35 PER 2" FLK (1)A35 PER FLR BLK	5/8" BOLTS • 3" O.C. OR PER PLAN, (2) BOLTS MIN.
P2	510	1/2" CDX (OSB) (15/32" NOMINAL STRUCTURAL I)	100 COMMON OR GALV BOX • 4" O.C. STAGGERED, 3X AT ALL ADJOINING PANEL EDGES 6 2X SOLE, 3X MUD	100 COMMON OR GALV BOX • 12"	6-16D IN 2 ROWS W/ 4X MEMBER BELOW DIAPHRAGM	2-8D TN • (2)A35 PER 2" FLK (1)A35 PER FLR BLK	5/8" BOLTS • 2" O.C. OR PER PLAN, (2) BOLTS MIN.
P4	665	1/2" CDX (OSB) (15/32" NOMINAL STRUCTURAL I)	100 COMMON OR GALV BOX • 3" STAGGERED, 3X AT ALL ADJOINING PANEL EDGES 6 2X SOLE, 3X MUD	100 COMMON OR GALV BOX • 12"	7-16D IN 2 ROWS W/ 4X MEMBER BELOW DIAPHRAGM	2-8D TN • (2)A35 PER 2" FLK (1)A35 PER FLR BLK	5/8" BOLTS • 1" O.C. OR PER PLAN, (2) BOLTS MIN.
P8	870	5/8" CDX (OSB) OR 1/2" STRUCTURAL I	100 COMMON OR GALV BOX • 2" STAGGERED, 3X AT ALL ADJOINING PANEL EDGES 6 3X (M/D 1 SOLE)	100 COMMON OR GALV BOX • 12"	(4) 3/8" X 6" LAG BOLTS W/ 4X MEMBER BELOW DIAPHRAGM	2-8D TN • (2)A35 PER 2" FLK (1)A35 PER FLR BLK	5/8" BOLTS • 1" O.C. OR PER PLAN, (2) BOLTS MIN.

* FRAMING • ADJOINING PANEL EDGES SHALL BE 3X OR WIDER, NAILS SHALL BE STAGGERED.

- A) CONTRACTOR SHALL REVIEW ALL TYPICAL SHEAR WALL CONNECTION DETAILS & NOTES BEFORE CONSTRUCTION.
- B) UON, CONTRACTOR SHALL ENSURE THAT ALL SHEAR MATERIAL SHALL EXTEND FROM HORIZONTAL DIAPHRAGM PLYWOOD CDX OR EQUAL TO HORIZONTAL DIAPHRAGM.
- A) SILL NAILING IS THE FASTENING OF THE SILL (SOLE) PLATE LOCATED AT THE BOTTOM OF SHEAR WALLS TO THE BLOCKINGS, RIM JOISTS, OR BEAMS BENEATH THE HORIZONTAL DIAPHRAGM FLOOR SHEATHING CDX. CARE MUST BE TAKEN TO ENSURE THE PENETRATION TO THESE FASTENERS INTO THE BLOCKING, RIM JOISTS OR BEAM BELOW.
- B) SILL NAILING DOES NOT APPLY WHEN THE ABOVE MENTIONED SILL PLATE IS RESTING DIRECTLY ON CONCRETE SURFACE. IN THIS CASE, THE SILL ANCHOR REQUIREMENTS AS INDICATED ON THE FOUNDATION PLAN AND DISCUSSED IN THE ANCHORAGE NOTES ON THIS SHEET SHALL BE FOLLOWED.
- C) SILL NAILING INDICATED ON SHEAR WALL SCHEDULE MAY BE OMITTED AND REPLACED WITH A MINIMUM OF 2-16D AT 16" O.C. FOR THE FOLLOWING CONDITIONS:
A) AT ALL NON-SHEAR WALLS
B) AT PERIMETER SHEAR WALLS WITH THE SHEAR MATERIAL (OF UPPER SHEAR WALL) OCCURRING AT THE EXTERIOR FACE OF BUILDING AND EXTENDING PAST THE M/D SILL FOUNDATION CONDITION OR TOP PLATES UPPER FLOOR CONDITION. EDGE NAILING MUST BE PROVIDED AT BLOCKING OR RIM JOIST OCCURRING AT FLOOR THICKNESS IN ADDITION TO THE EDGE NAILING AT THE M/D SILL TOP PLATES.
- A) BLOCK NAILING IS THE FASTENING OF BLOCKINGS, RIM JOISTS OR BEAM DIRECTLY BELOW THE SHEAR WALL TO THE TOP PLATE OR BEAMS IMMEDIATELY BELOW.
- B) ALL THE BLOCKING OTHER THAN THOSE LOCATED UNDERNEATH THE SHEAR WALL SHALL BE HELD IN PLACE BY A35 PER BLOCK OR BEAMS IMMEDIATELY BELOW UPPER SHEAR WALL.
- C) BLOCK NAILING INDICATED ON SHEAR SCHEDULE MAY BE OMITTED AND REPLACED WITH 8D TOE NAILS AT 6 INCHES ON CENTER WHERE SHEAR MATERIAL OF LOWER SHEAR WALL IS EXTENDED ABOVE THE TOP PLATES (OR BEAM) AND NAILED INTO BLOCKING OR RIM JOIST. IN ADDITION TO THIS NAILING, EDGE NAILING SHOULD ALSO BE PROVIDED AT THE TOP PLATES (OR LOWER SHEAR WALL) IT SHOULD BE NOTED THAT BLOCK NAILING CAN BE OMITTED FOR STAGGERED SHEAR WALLS ONLY (LOWER SHEAR WALL IMMEDIATELY BELOW UPPER SHEAR WALL).
- D) LTP4 CLIPS MAY BE SUBSTITUTED DIRECTLY FOR A35 CLIPS AS INDICATED IN THE TABLE.
- A) WHERE PLYWOOD IS APPLIED ON BOTH FACES OF A WALL AND NAIL SPACING IS LESS THAN 6 INCHES ON CENTER ON EITHER SIDE, PANEL JOISTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS OR FRAMING SHALL BE 3-INCH NOMINAL OR THICKER AND NAILS ON EACH SIDE SHALL BE STAGGERED.
- B) WHERE PLYWOOD IS APPLIED ON BOTH FACES OF A WALL AND NAIL SPACING IS LESS THAN 6 INCHES ON CENTER ON EITHER SIDE, 3X NAIL IS REQUIRED.
- A) PLYWOOD EDGE AND FIELD NAILING SHALL BE WITH COMMON NAILS OR GALVANIZED BOX NAILS AS INDICATED IN SHEAR WALL SCHEDULE.
6. FASTENERS FOR PRESSURE-PRESERVATIVE TREATED AND FIRE-RETARDANT TREATED WOOD SHALL BE OF HOT-DIPPED ZINC COATED GALVANIZED OR STAINLESS STEEL.

ABBREVIATIONS

A & B	ABOVE AND BELOW	FP	FIREPLACE	SIM	SIMILAR
A.B.	ANCHOR BOLTS	FRMG	FRAMING	SH	SHEET
ABV	ABOVE	SH	SHEATHING	SHIT	SHEATHING
ADJ	ADJACENT	FTG	FOOTING	SIMP	SIMPSON COMPANY
AF.F.	ADJUST FINISH FLOOR	GALV	GALVANIZED	SPCG	SPACING
AP.F.	AMERICAN PLYWOOD ASSO.	GAR	GENERAL	SPECS	SPECIFICATIONS
ARCH	ARCHITECTURAL	GEN	GENERAL	SO	SQUARE
BLDG	BUILDING	GLB	GLU-LAM BEAM	S.S.D.	SEE STR. DRWG'S
BLK'S	BLOCKING	GRD	GRADE	STL	STEEL
BN	BEAM	HDR	HEADER	STR	STRUCTURAL
BOTT	BOTTOM	HT	HEIGHT	S.W.S.	SHEAR WALL SCHEDULE
BRS	BEARING	INFO	INFORMATION	S.W.T.	SHEAR WALL TYPE
CANBR	CANBER	LOC.	LOCATION	T & B	TOP AND BOTTOM
CANTL	CANTILEVER	J-H	JOIST HANGER	T & G	TONGUE AND GROOVE
C.J.	CEILING JOIST	JNT	JOINT	T.B.F.V.	TO BE FIELD VERIFIED
CLG	CEILING	JST	JOIST	T.D.	TIEDOWN OR HOLDOWN
CTR	CENTER	KP	KING POST	TN	TOE NAIL
CLR	CLEARANCE	KS	KING STUD	T.O.	TOP OF
CONC	CONCRETE	LAT	LATERAL LOAD	T.O.C.	TOP OF CONCRETE
CWLL	CONC. MASONRY UNIT	LOC.	LOCATION	T.O.S.P.	TOP OF SUB-FLOOR
CONN	CONNECT, CONNECTION	MANUF.	MANUFACTURER	T.O.W.	TOP OF WALL
CONST	CONSTRUCTION	MATL	MATERIAL	TOT	TOTAL
CNT	CONTINUOUS	MAX	MAXIMUM	TRM	TRIMMER
CNT	COUNTERSINK	MTX	MACHINE BOLT	TYP	TYPICAL
CSK	COLLAR TIE	MFG.	MANUFACTURING	UNO.	UNLESS NOTED OTHERWISE
DBL	DOUBLE	MIN	MINIMUM	UNO.	UNLESS OTHERWISE NOTED
DET	DETAIL	MTD.	MOUNTED	WDW.	WINDOW
DF	DOUGLAS FIR	NEW	NEW	WFF	STEEL WIDE FLANGE
DIAG	DIAGONAL	N/A	NOT APPLICABLE	WFF	WELDED WIRE FABRIC
DIAPH	DIAPHRAGM	NAIL'G	NAILING	W/	WITH
DM	DIMENSION	NT.S	NOT TO SCALE	W/O	WITHOUT
DR	DIRECTION	OVR	OVER	•	AT
DO	DOOR	O.C.	ON CENTER	•	FEET
DRWG	DOOR FRAME DRAWING	OH	OPPOSITE HAND	INCHES	INCHES
EA	EACH	OPNG	OPENING	//	PARALLEL
EF.	EACH FACE	OPT.	OPTIONAL	—	PERPENDICULAR
EL	ELEVATION	OSB	ORIENTED STRAND BOARD	•	AND
EMB.	EMBEDMENT	PCS	PIECES	•	DIAMETER
EN	EDGE NAILING	PEN.	PLYWOOD EDGE NAILING	•	CENTER LINE
EQ	EQUAL	PERIM	PERIMETER	•	HANGER
E.W.	EACH WAY	PL	PLATE	•	APPROXIMATELY
EW.F.	EACH WAY EACH FACE	PLCS	PLACES	•	
EXP	EXPANSION	PLYWD	PLYWOOD	•	
EX	EXISTING	P.T.	PRESSURE TREATED	•	
FF.	FINISH FLOOR	RAFTERS	RAFTERS	•	
FH	FULL HEIGHT	REDWOOD	REDWOOD	•	
FJ	FINISH	REQD	REQUIRED	•	
FLR	FLOOR	REQT	REQUIRED	•	
F.J.	FLOOR JOIST	RET	RETAINING	•	
FL	FACE LENGTH OF MEMBER	R.F.	ROOF	•	
FLN	FACE NAILED	SAD.	SEE ARCH DRWGS	•	
F.O.C.	FACE OF STUDS	SGE	STRUCTURAL GABLE END	•	
F.O.C.	FACE OF CONCRETE	STRK	STRONG BACK	•	
FDN	FOUNDATION	SCH	SCHEDULE	•	
		SECT	SECTION	•	



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12-28-2021

SHEET TITLE



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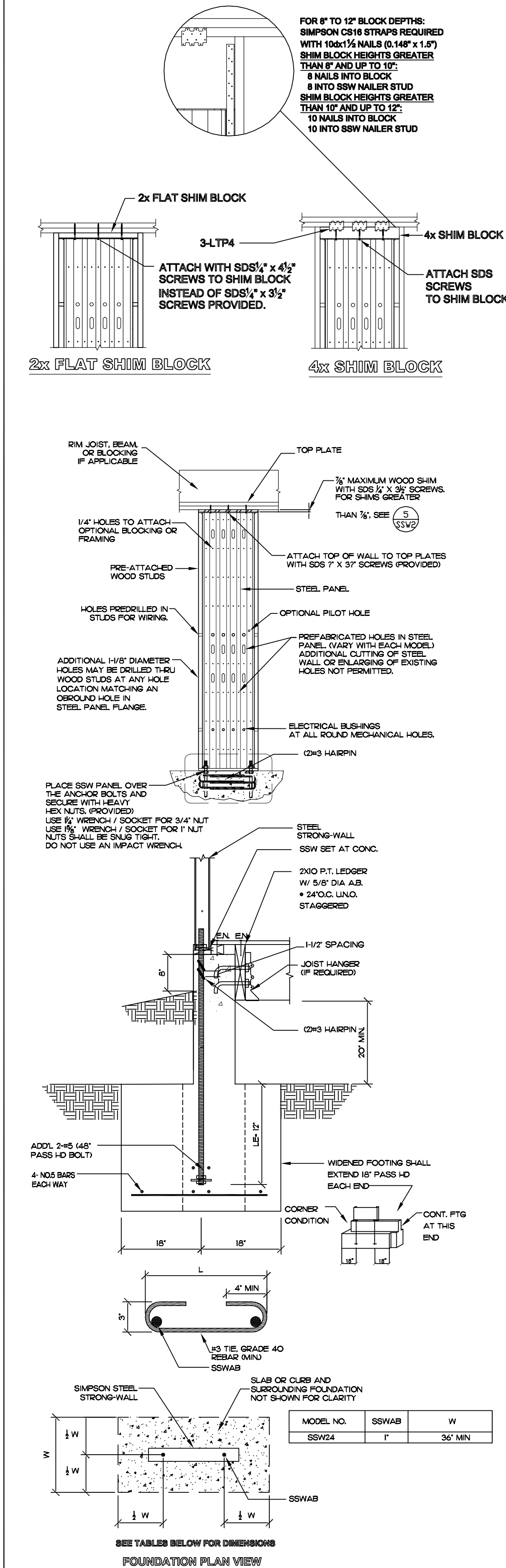
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 1970 HAYES LANE
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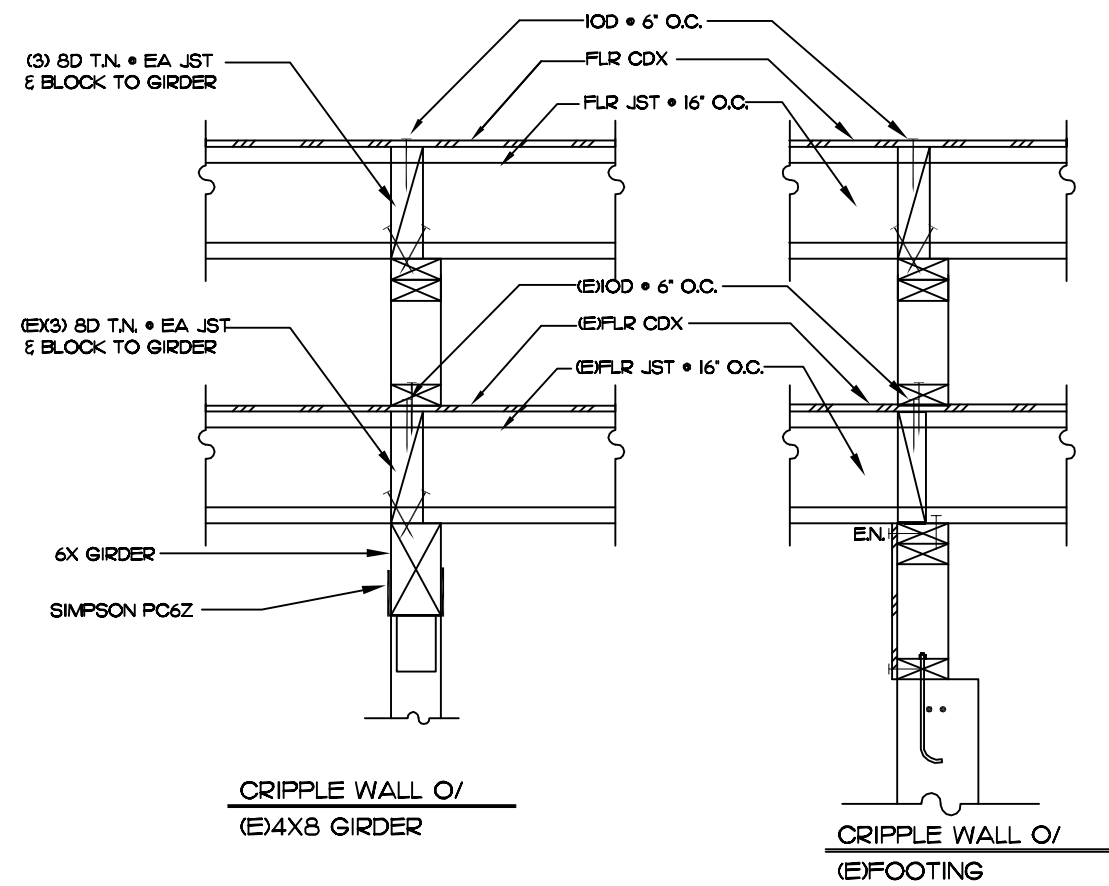
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 REVISIONS

JOB NO. 2021-450
 DATE 8-24-21
 DRAWN: Joe
 SHEET NUMBER

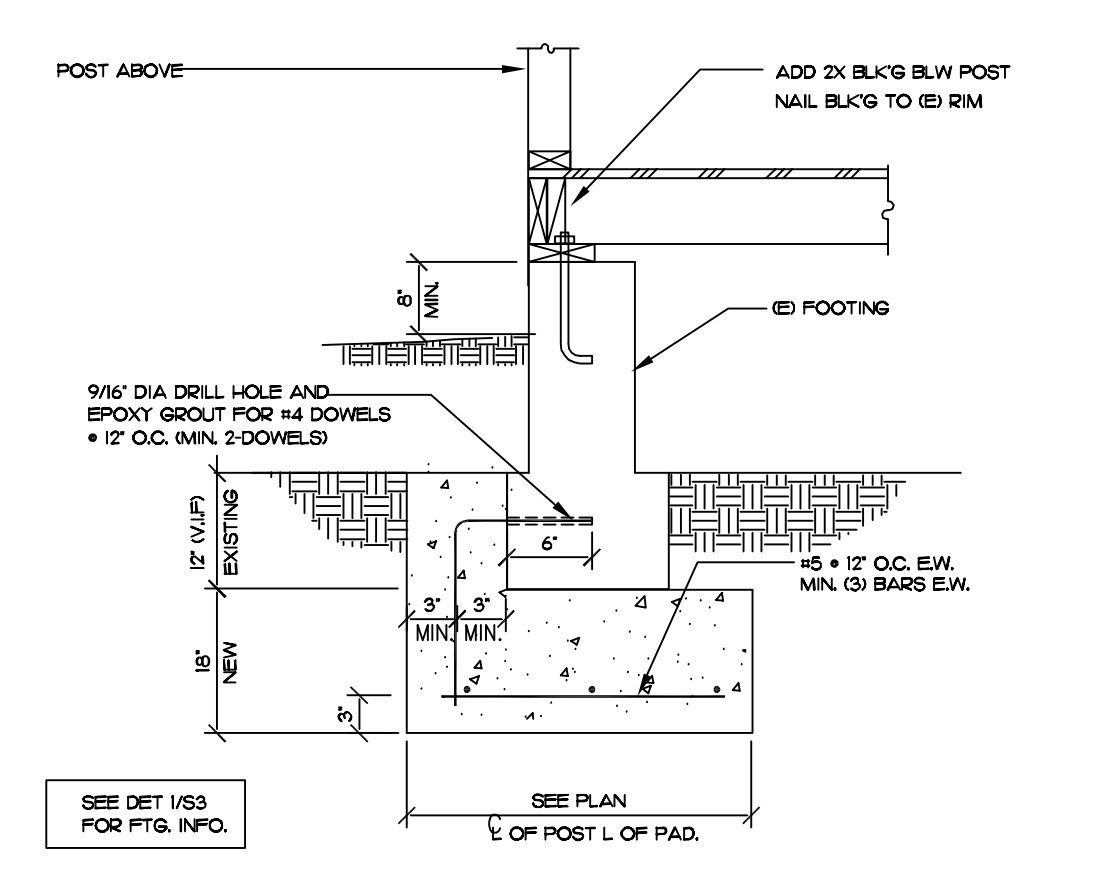
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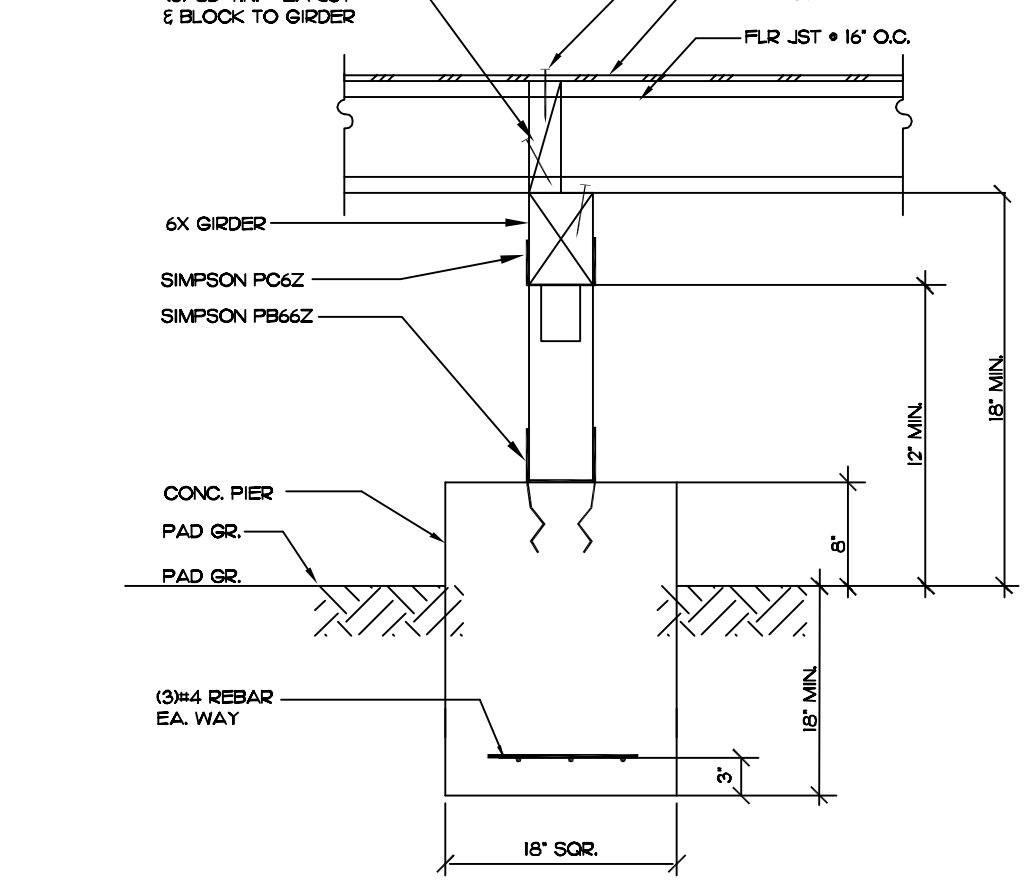
20. STEEL STRONG WALL



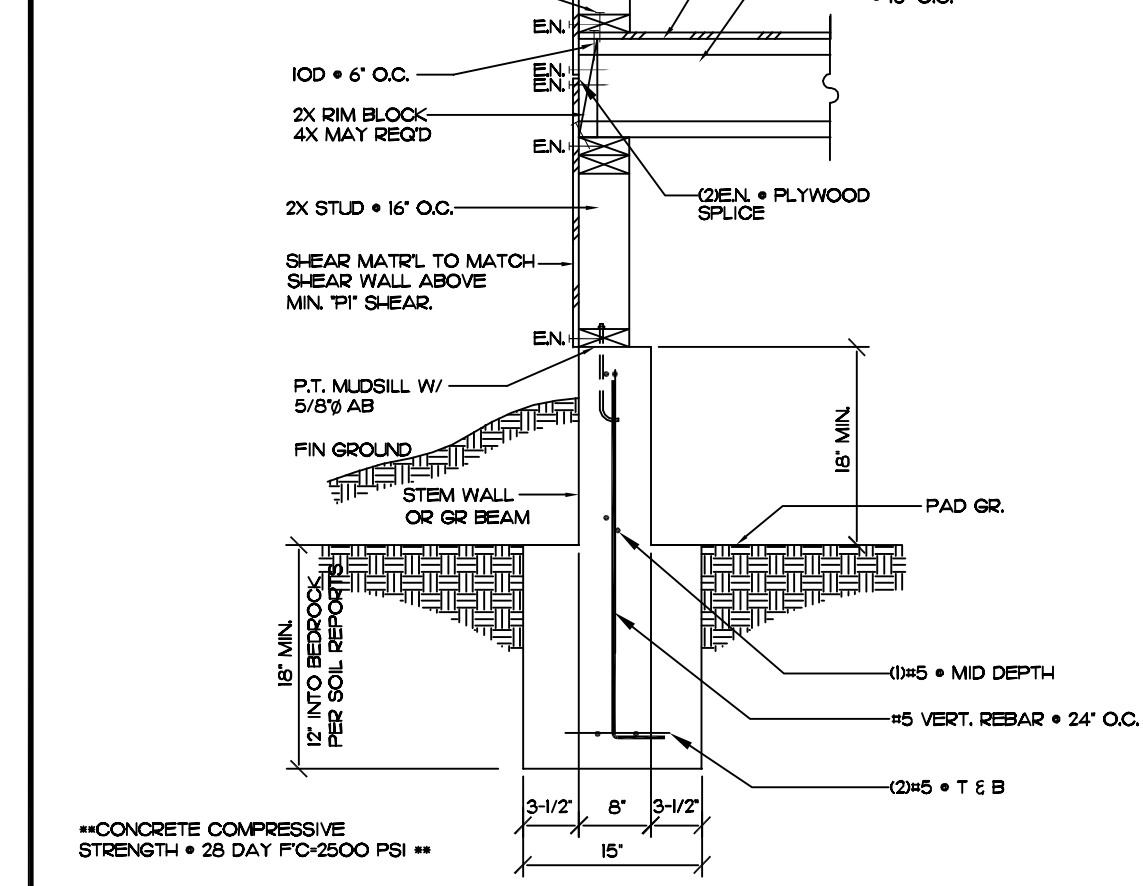
13. CRIPPLE WALL O/ (E)SUBFLOOR



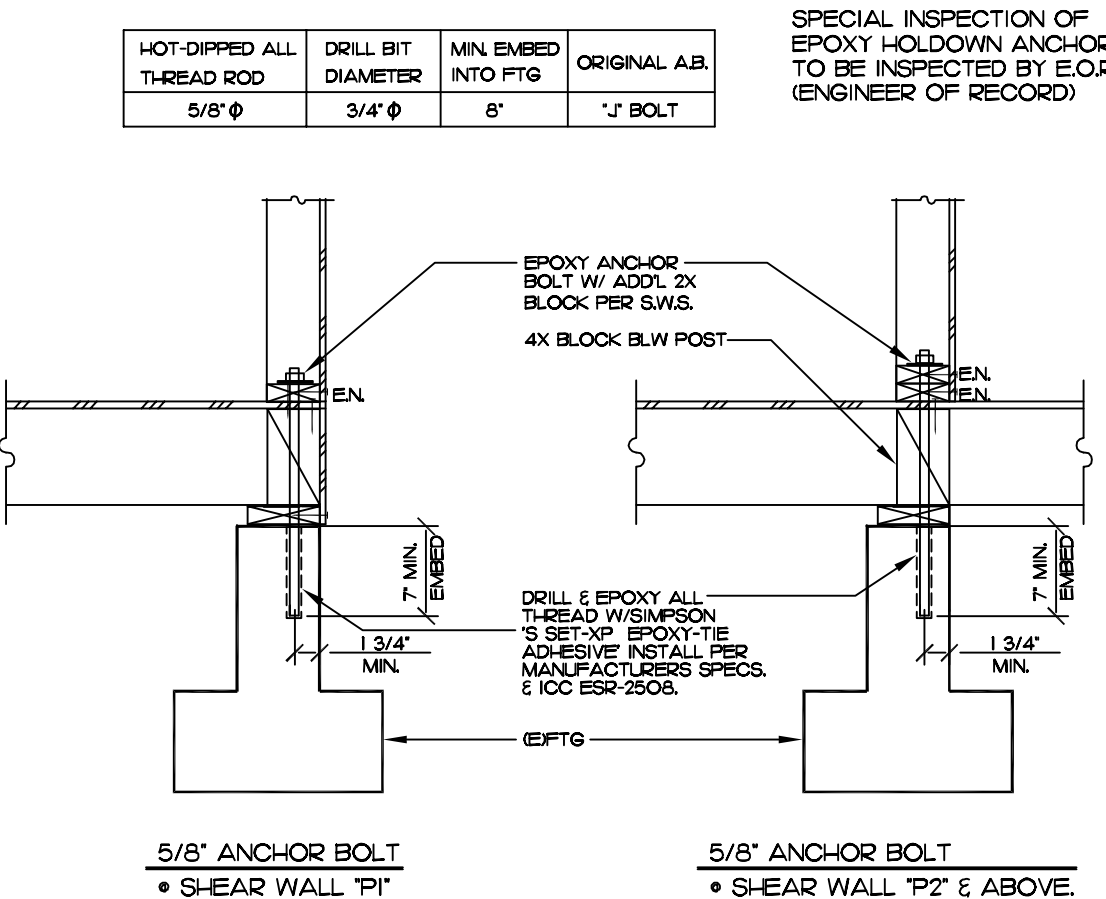
9. NEW PAD UNDER (E)FOOTING



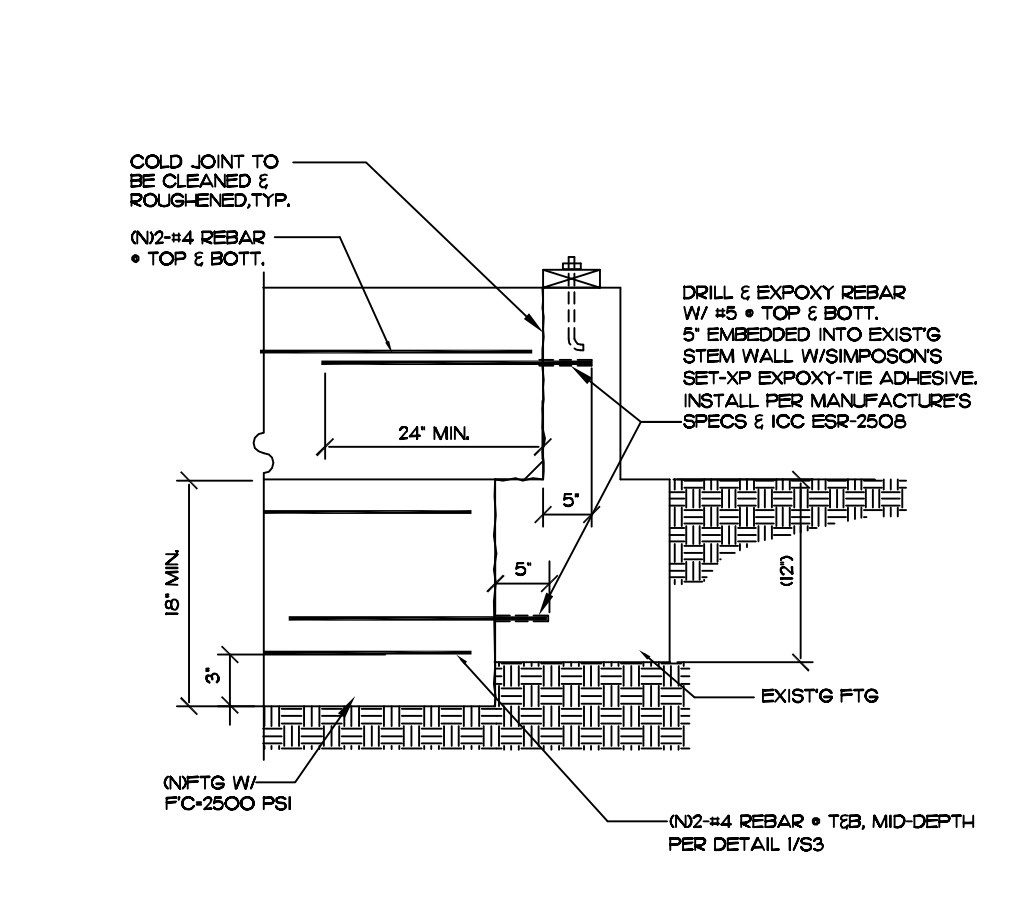
5. INT. PAD & GIRDER



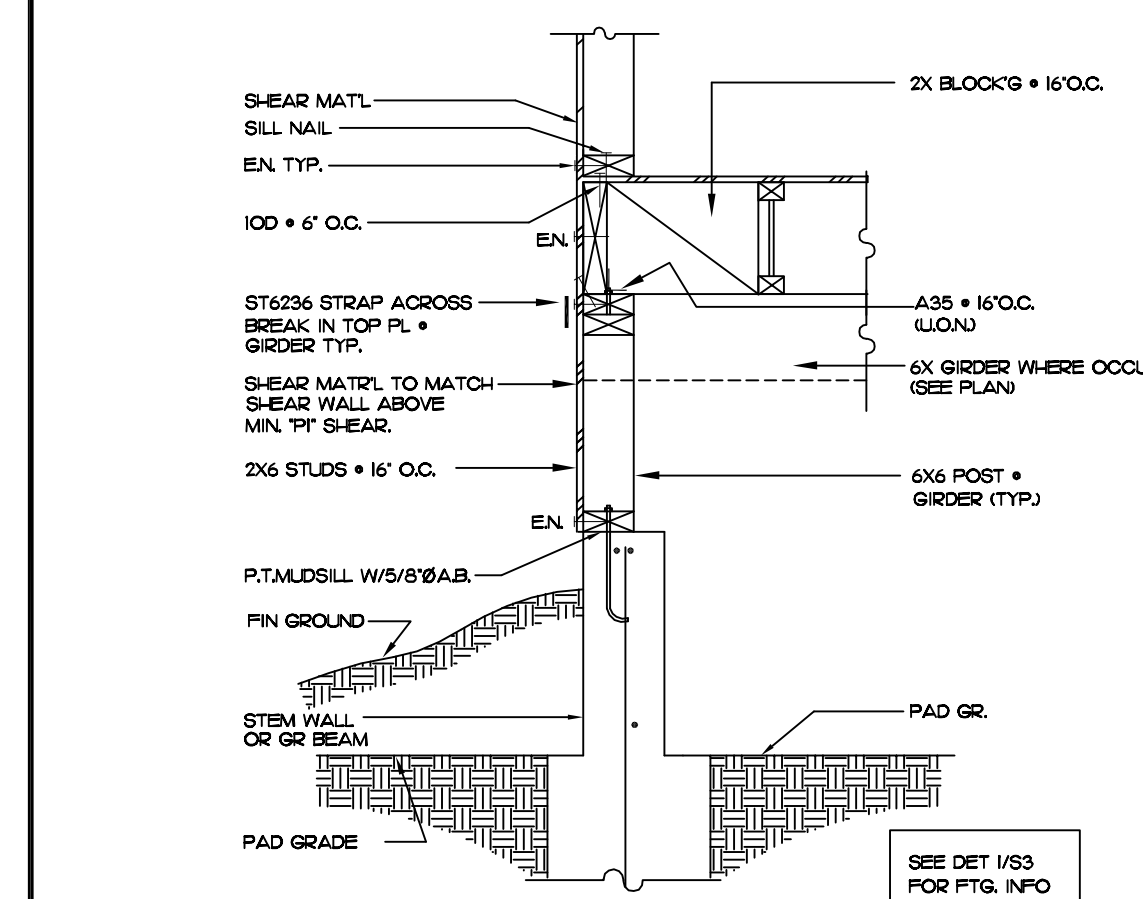
1. FOOTING W/ CRIPPLE WALL



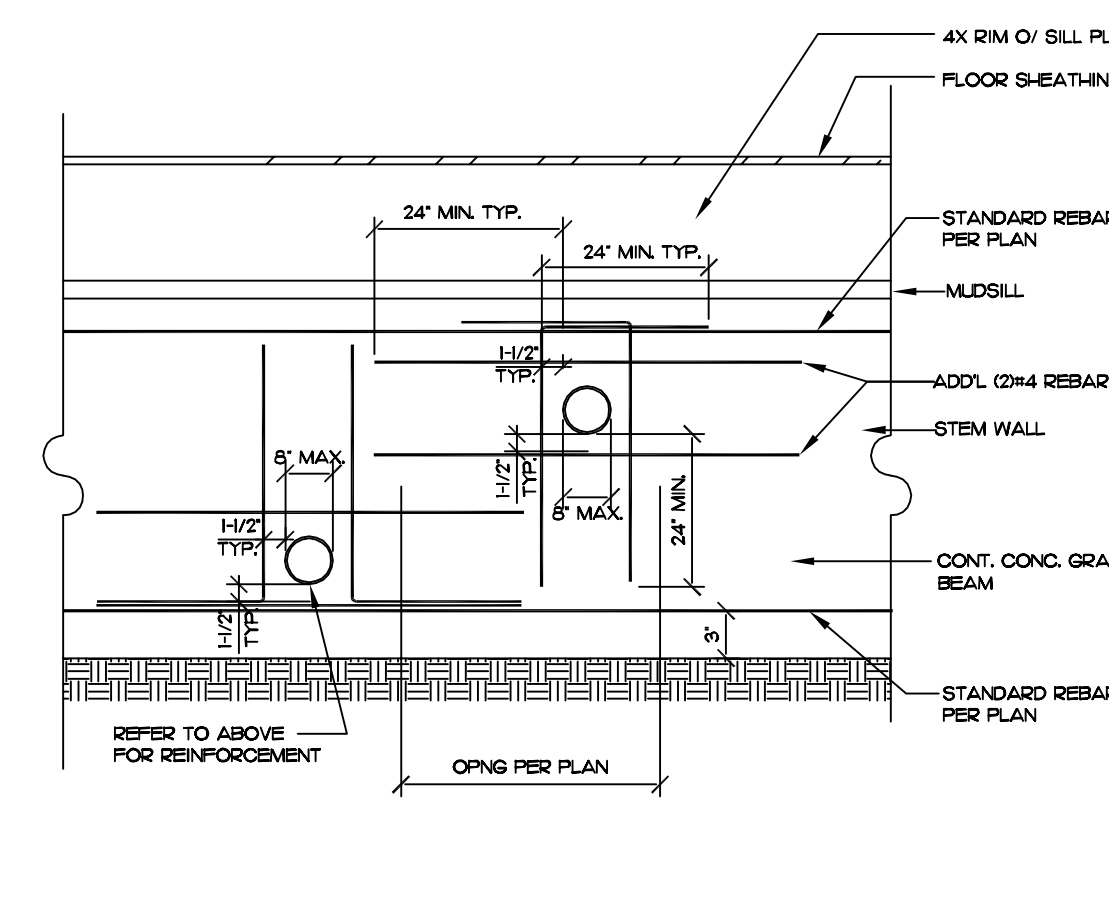
10. EPOXY HOLDOWN & BOLT



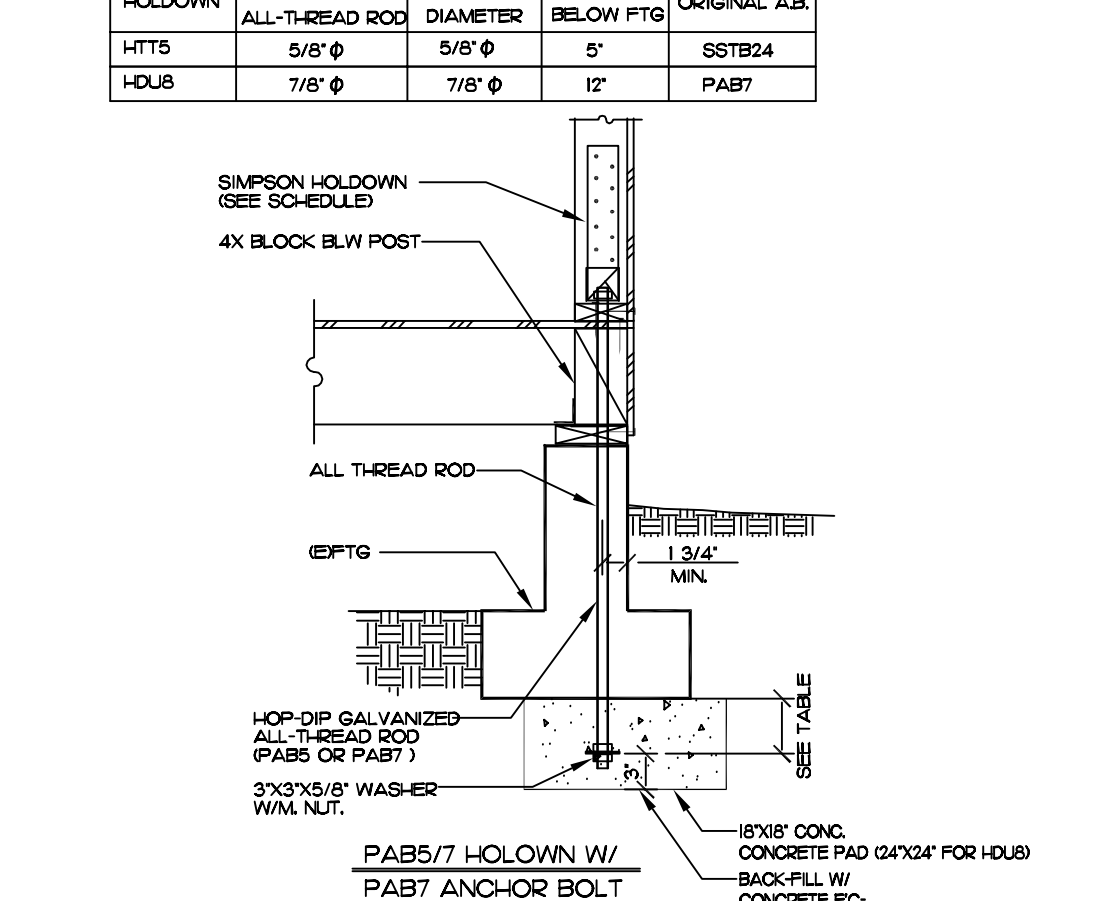
6. NEW FOOTING TO (E) FOOTING



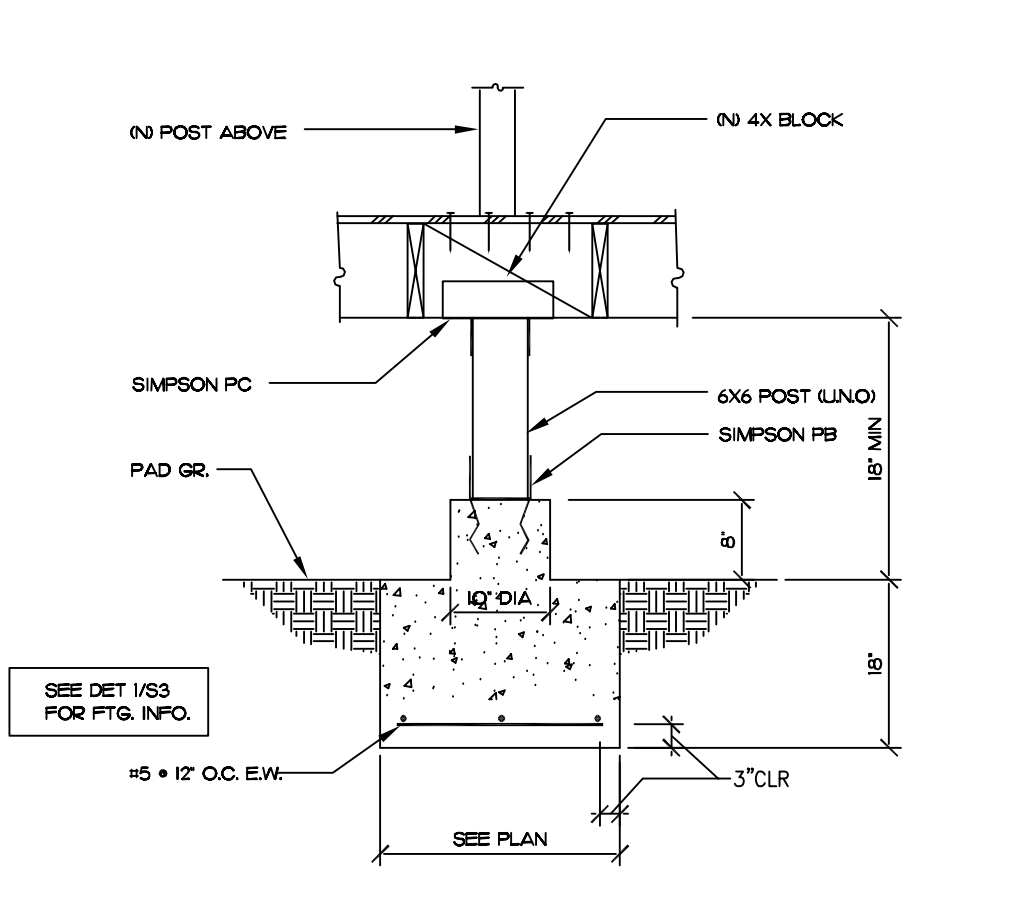
2. FOOTING W/ CRIPPLE WALL



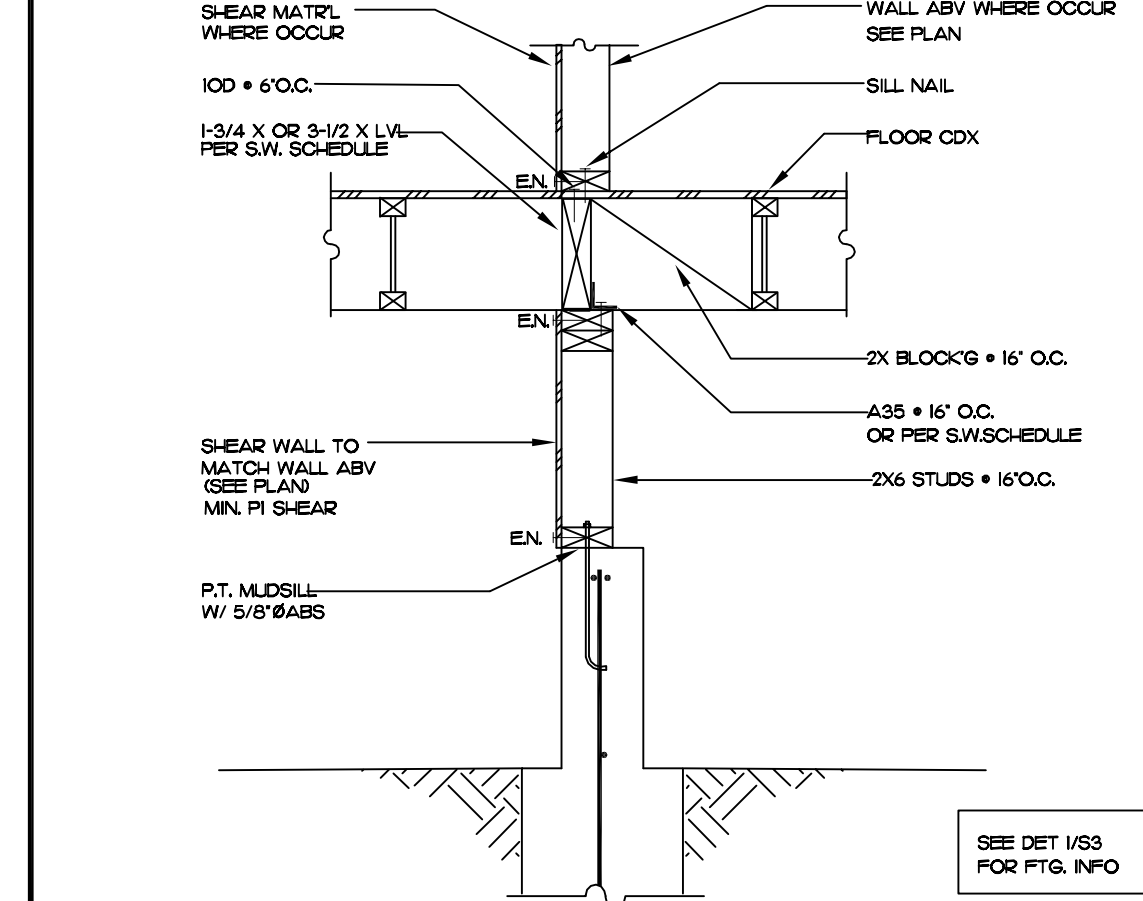
15. PIPE THROUGH GRADE BEAM



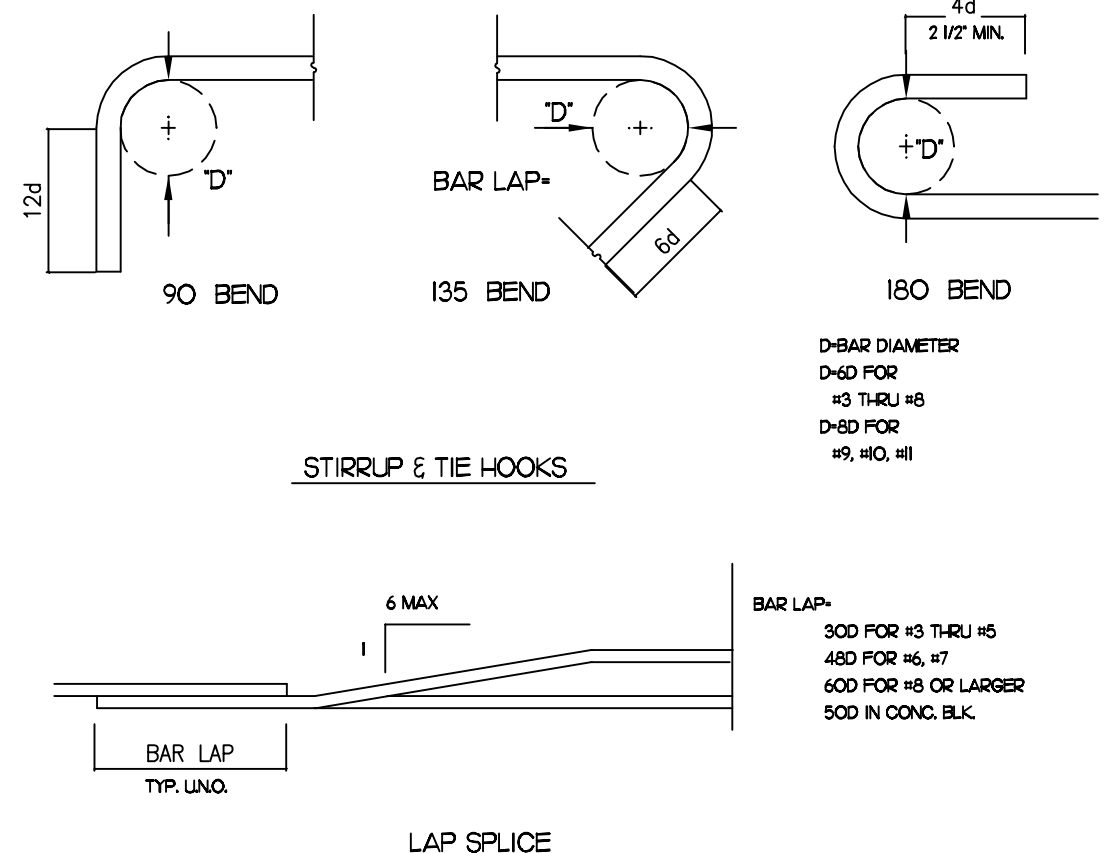
11. RETROFIT HOLDOWN BOLT



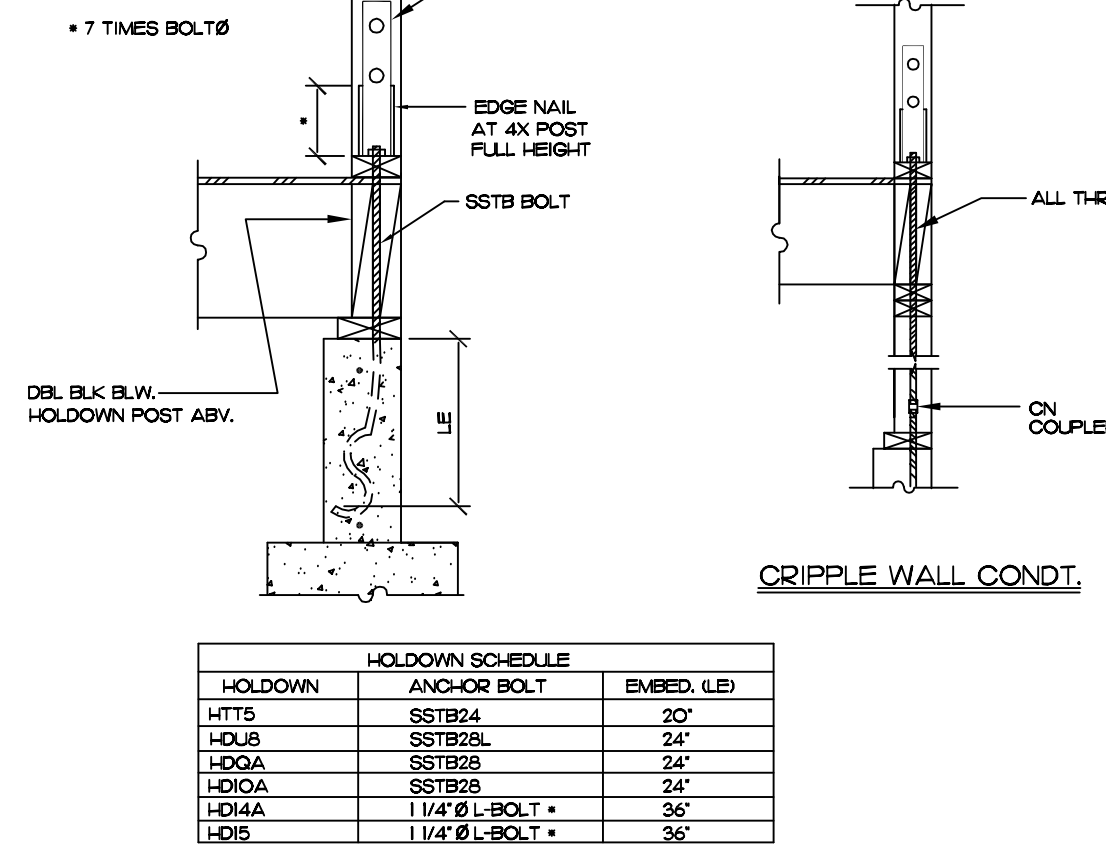
7. FOOTING BELOW POINT LOAD



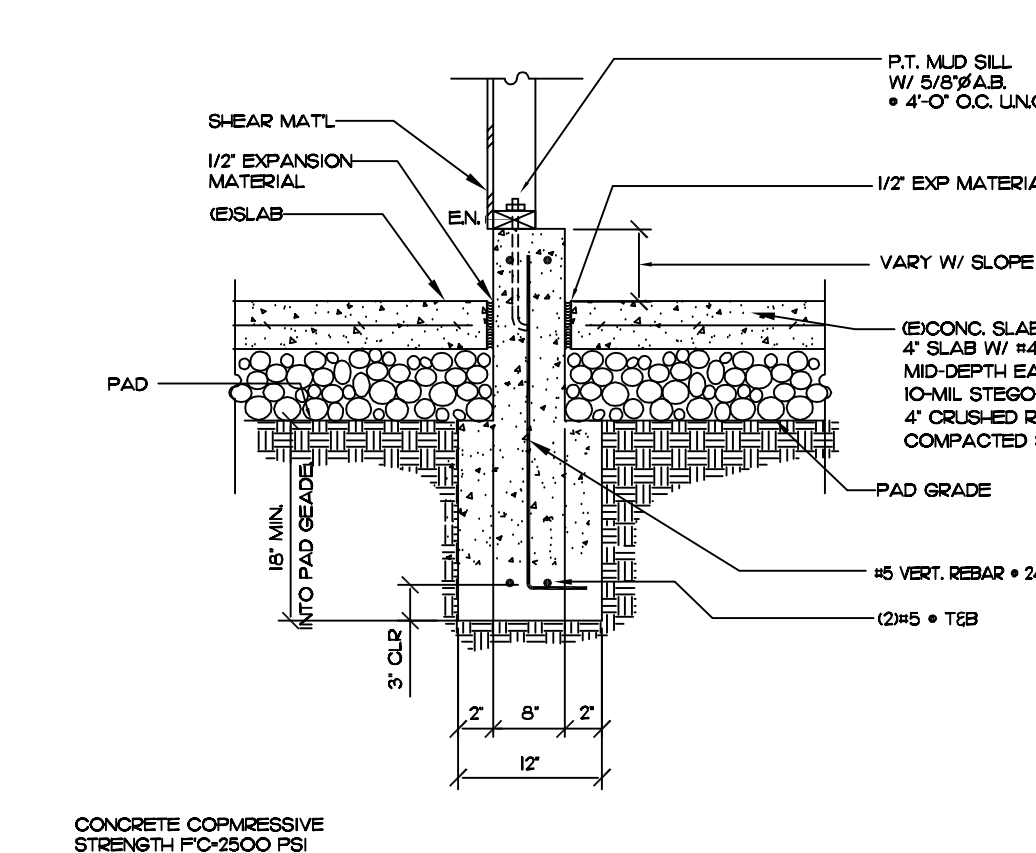
3. FOOTING W/ CRIPPLE WALL



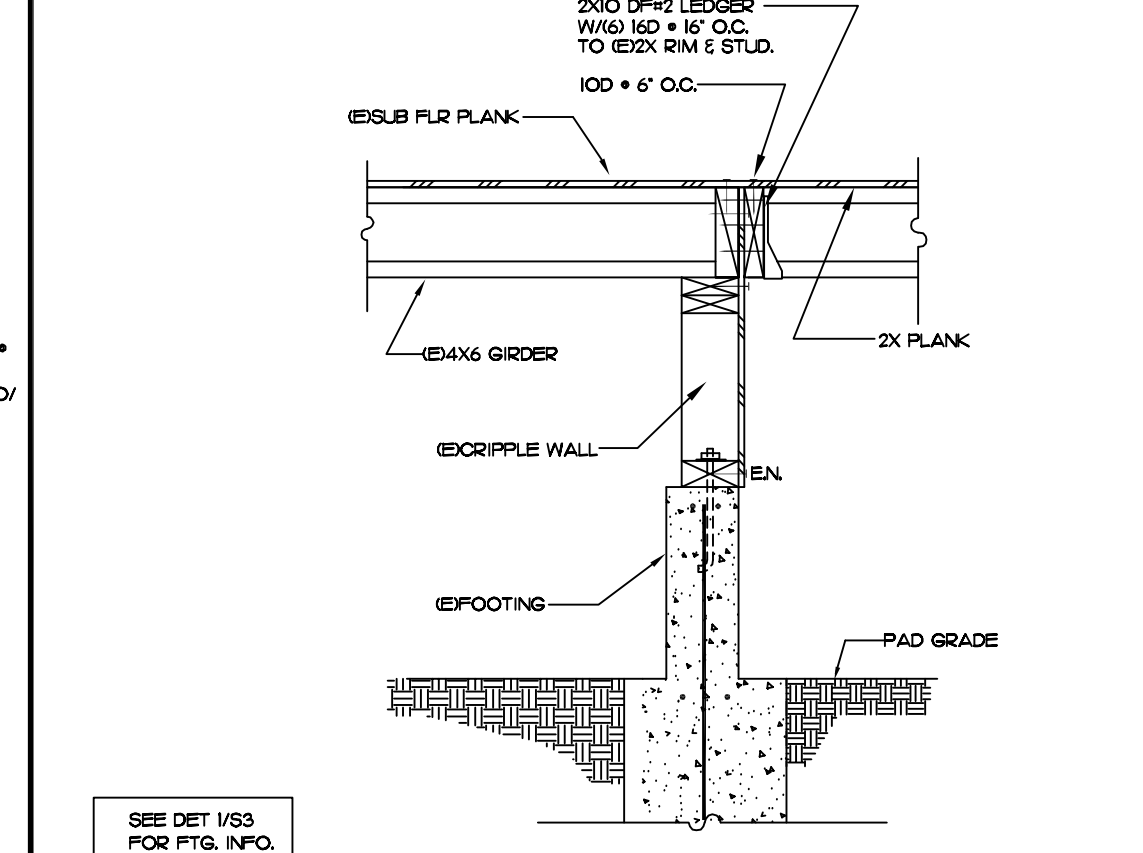
16. STEEL BAR HOOKS & LAP.



12. TYPICAL HOLDOWN



8. SIDE FOOTING @ GARAGE



4. CONNECTION @ (E)SUBFLOOR

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12-26-2021

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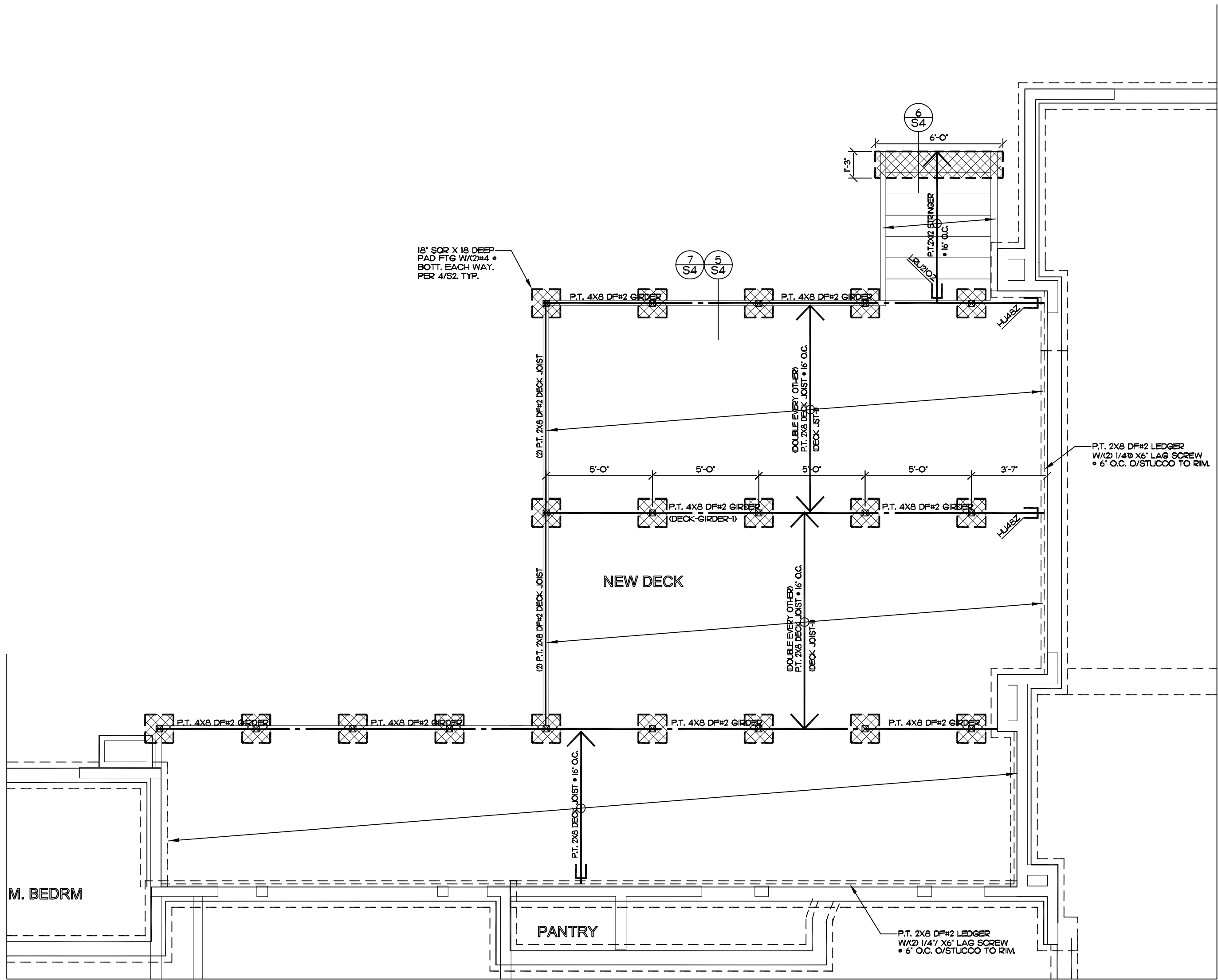
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STRUCTURAL
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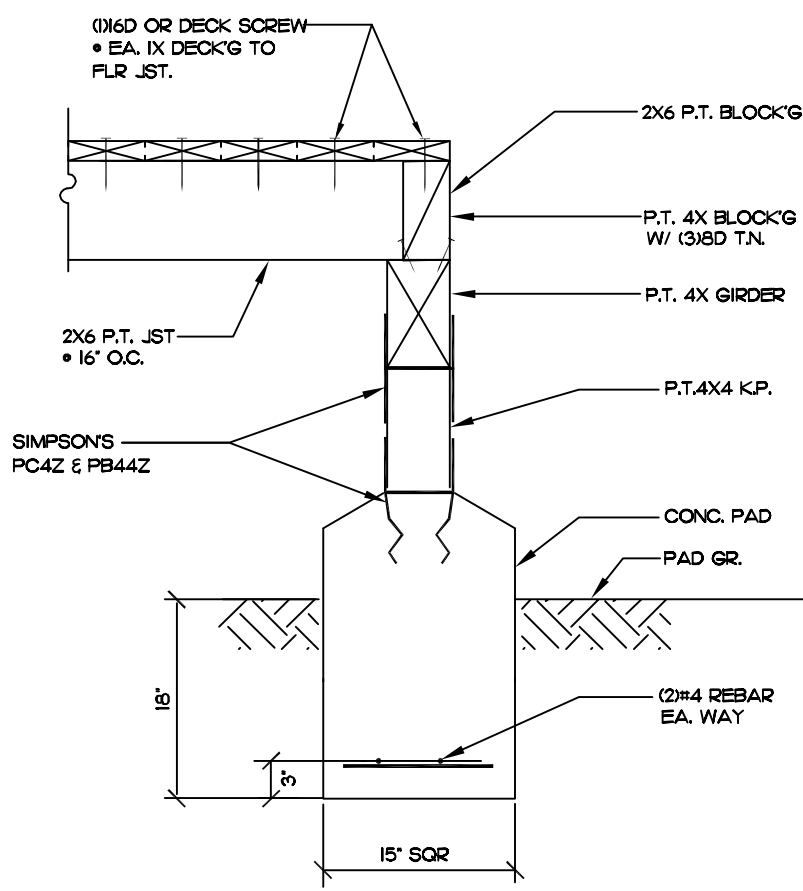
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JOB NO. 2021-450
DATE 8-24-21
DRAWN: Joe

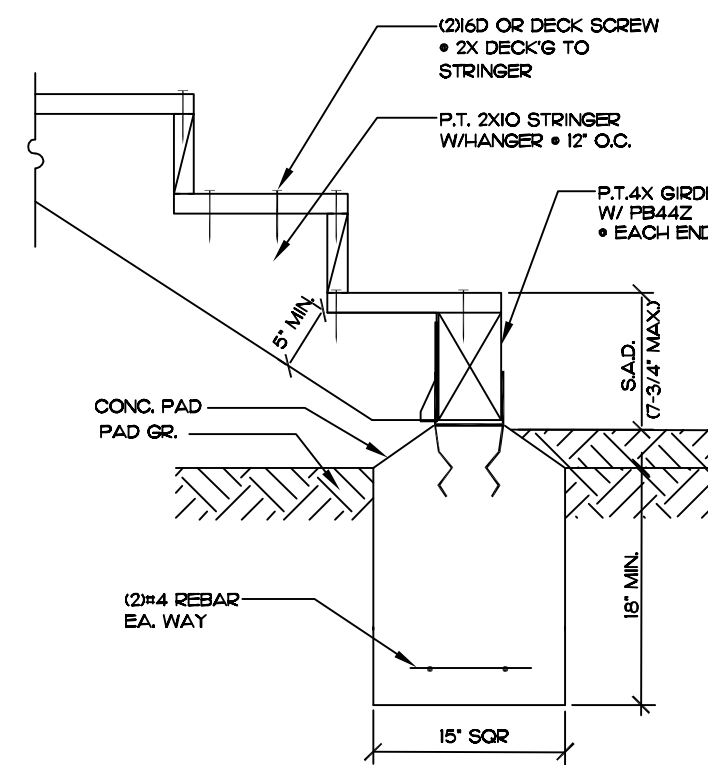
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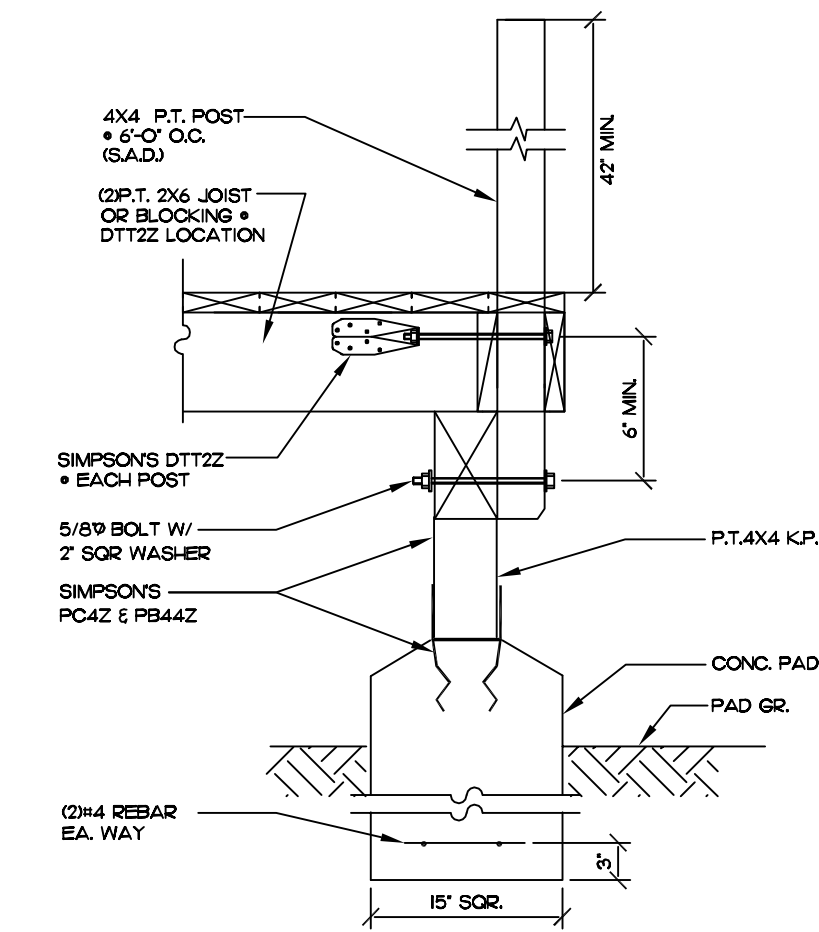
DECK FRAMING & PARTIAL FOUNDATION
PLAN (REFER TO S5) SCALE 1/4" = 1'-0"



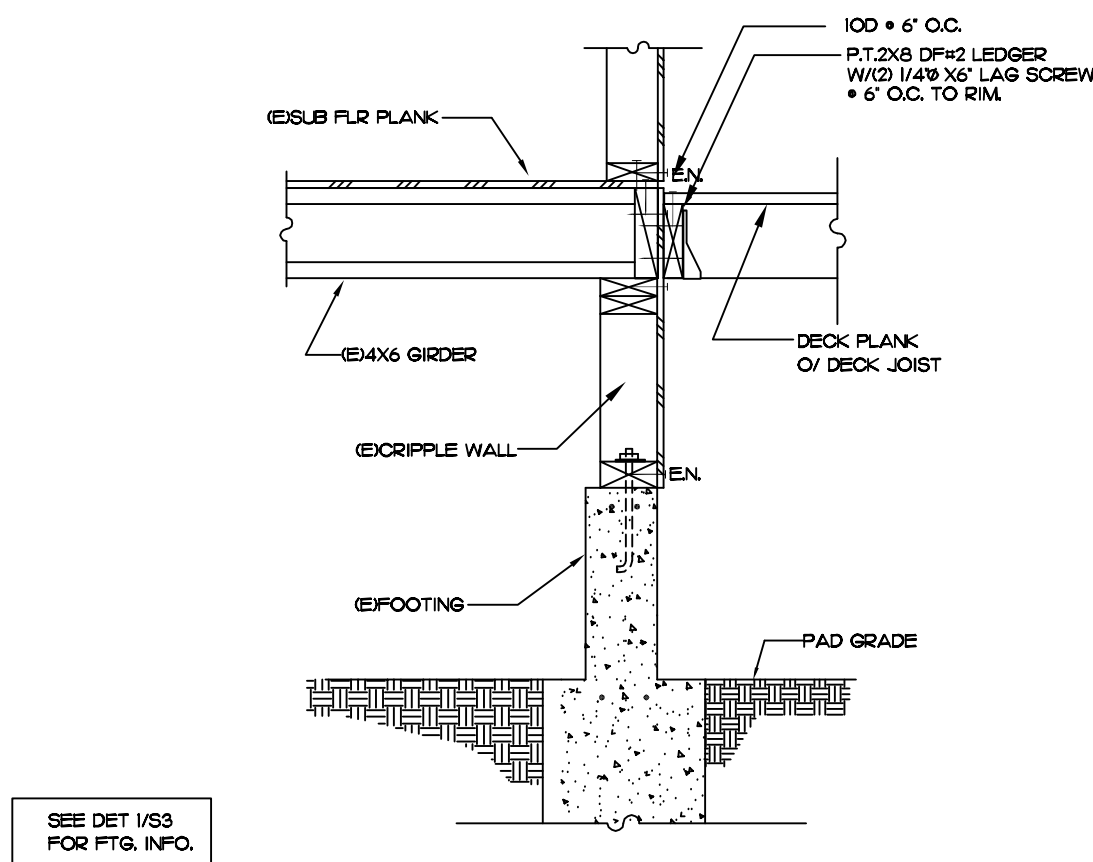
5. RAISED DECKING



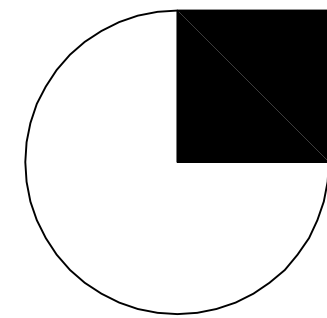
6. DECK GUARD RAIL



7. DECK GUARD RAIL



8. LEDGER @ DECK TO WALL



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SHEET TITLE

DECK-FRAMING
PLAN-#
DETAILS

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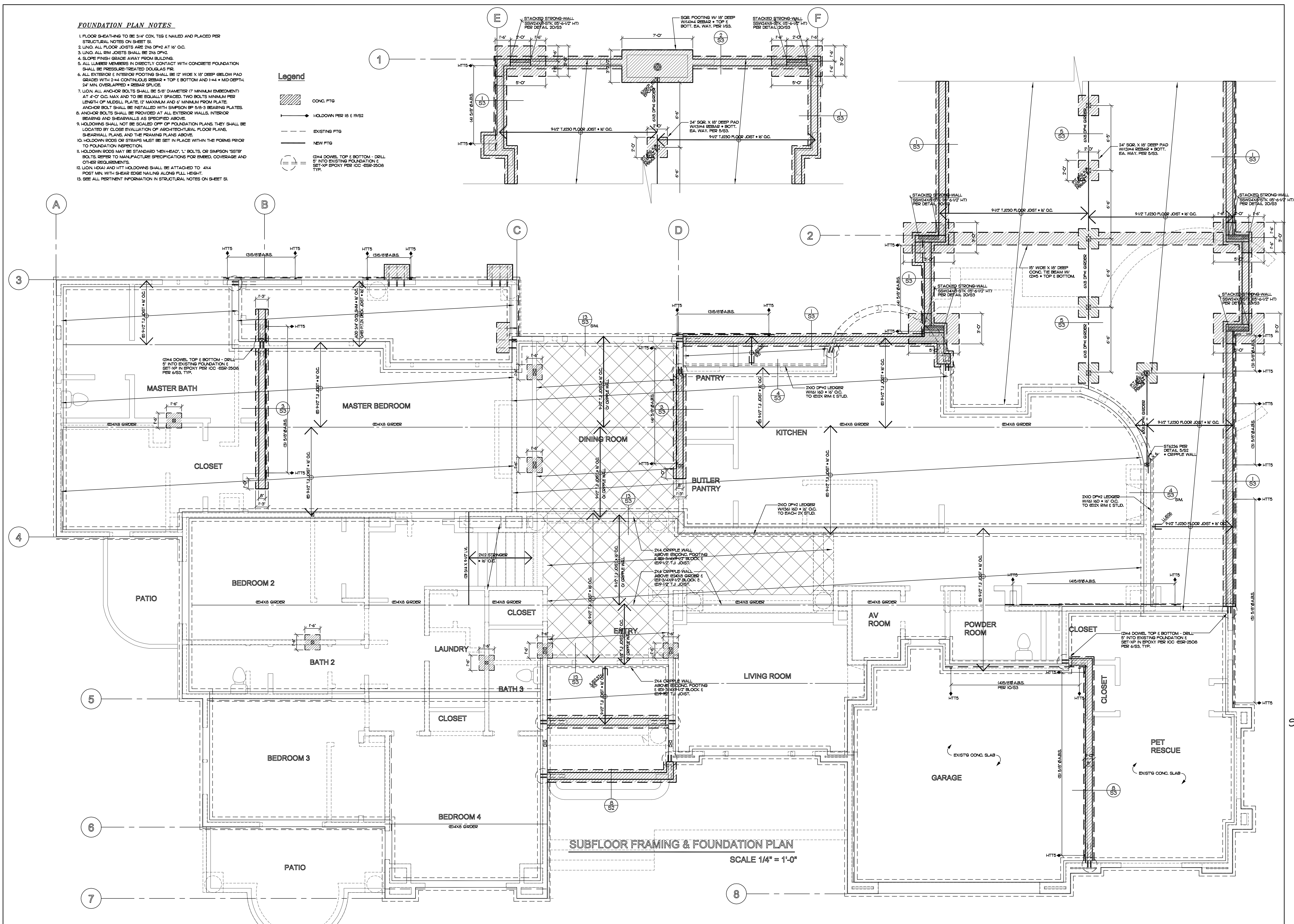
S4

FOUNDATION PLAN NOTES

- FLOOR SHEATHING TO BE 3/4" CDX, T&G & NAILED AND PLACED PER STRUCTURAL NOTES ON SHEET S1.
- UNDO ALL FLOOR JOISTS ARE 2X6 DF#2 AT 16" O.C.
- UNDO ALL RM JOISTS SHALL BE 2X6 DF#2.
- SLOPE FINISH GRADE AWAY FROM BUILDING.
- ALL LUMBER MEMBERS IN DIRECT CONTACT WITH CONCRETE FOUNDATION SHALL BE PRESSURE-TREATED DOUGLAS FIR.
- ALL EXTERIOR & INTERIOR FOOTING SHALL BE 12" WIDE X 18" DEEP (BELOW PAD GRADED WITH 2-#4 CONTINUOUS REBAR + TOP & BOTTOM AND 1-#4 MID-DEPTH, 24" MIN. OVERLAP) + REBAR SPLICE.
- UNDO ALL ANCHOR BOLTS SHALL BE 5/8" DIAMETER (7" MINIMUM EMBEDMENT) AT 4'-0" O.C. MAX AND TO BE EQUALLY SPACED. TWO BOLTS MINIMUM PER LENGTH OF MUDSILL PLATE, 12" MAXIMUM AND 6" MINIMUM FROM PLATE. ANCHOR BOLT SHALL BE INSTALLED WITH SIMPSON BP 5/8-3 BEARING PLATES.
- ANCHOR BOLTS SHALL BE PROVIDED AT ALL EXTERIOR WALLS, INTERIOR BEARING AND SHEARWALLS AS SPECIFIED ABOVE.
- HOLD-DOWNS SHALL NOT BE SCALED OFF OF FOUNDATION PLANS. THEY SHALL BE LOCATED BY CLOSE EVALUATION OF ARCHITECTURAL FLOOR PLANS, SHEARWALL PLANS, AND THE FRAMING PLANS ABOVE.
- HOLD-DOWN RODS OR STRAPS MUST BE SET IN PLACE WITHIN THE FORMS PRIOR TO FOUNDATION INSPECTION.
- HOLD-DOWN RODS MAY BE STANDARD 1-EX-HEAD, 1" BOLTS, OR SIMPSON 'SS18' BOLTS. REFER TO MANUFACTURE SPECIFICATIONS FOR EMBED, COVERAGE AND OTHER REQUIREMENTS.
- UNDO H&W AND HTT HOLD-DOWNS SHALL BE ATTACHED TO 4X4 POST MIN. WITH SHEAR EDGE NAILING ALONG FULL HEIGHT.
- SEE ALL PERTINENT INFORMATION IN STRUCTURAL NOTES ON SHEET S1.

Legend

- CONC. FTG
- HOLD-DOWN PER 18 & 19/52
- EXISTING FTG
- NEW FTG
- Q144 DOWEL TOP & BOTTOM - DRILL 5" INTO EXISTING FOUNDATION & SET-UP IN EPOXY PER ICC ESR-2508 PER 6/53, TYP.



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SHEET TITLE

SUBFLOOR-FRAMING
&-FOUNDATION
PLANS

REVISIONS

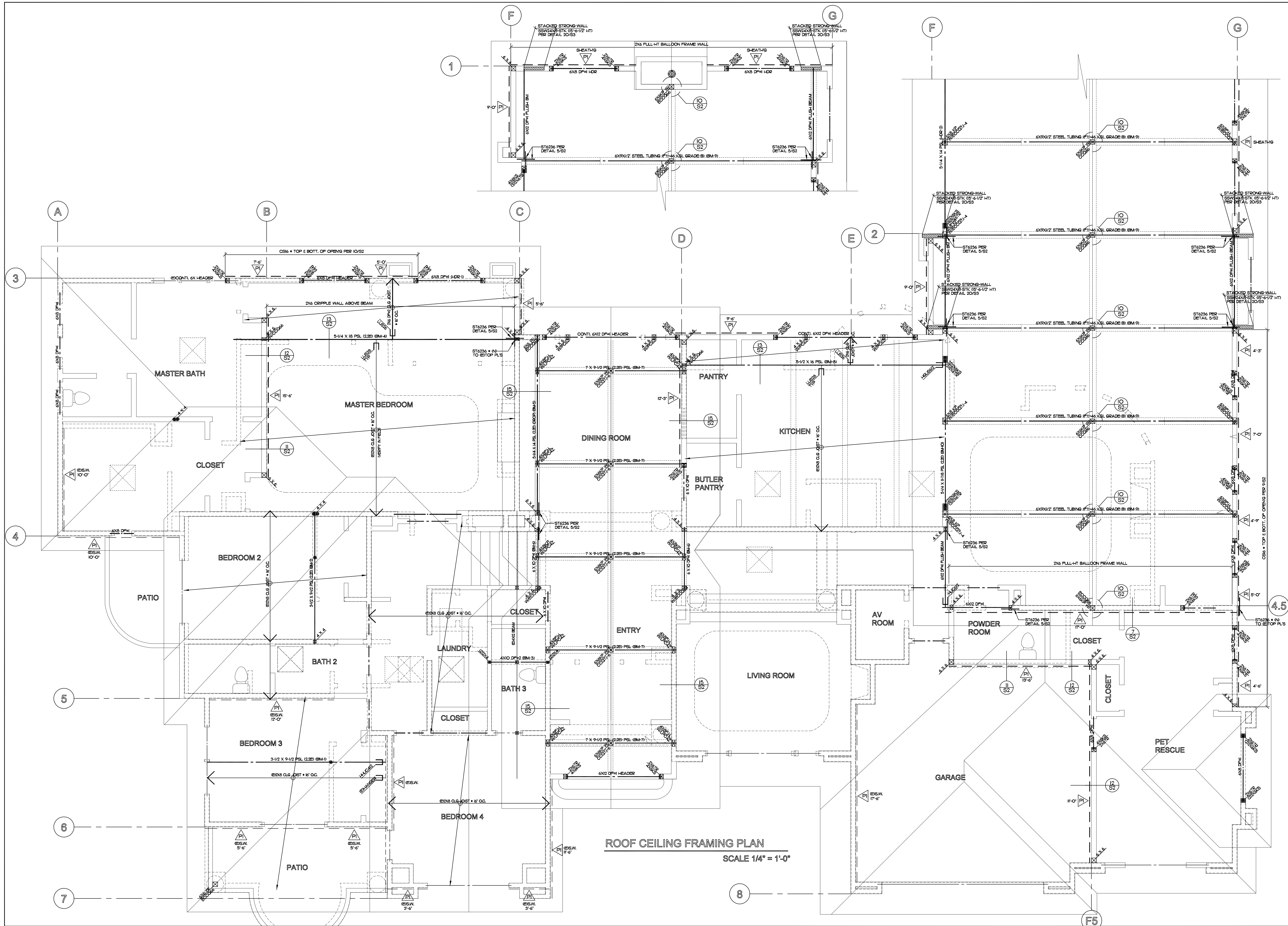
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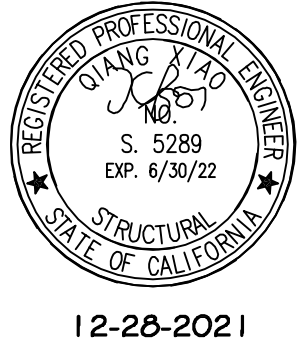
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S5



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SHEET TITLE

RESIDENTIAL HOUSE
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SHEET TITLE

ROOF-CEILING
FRAMING-PLAN

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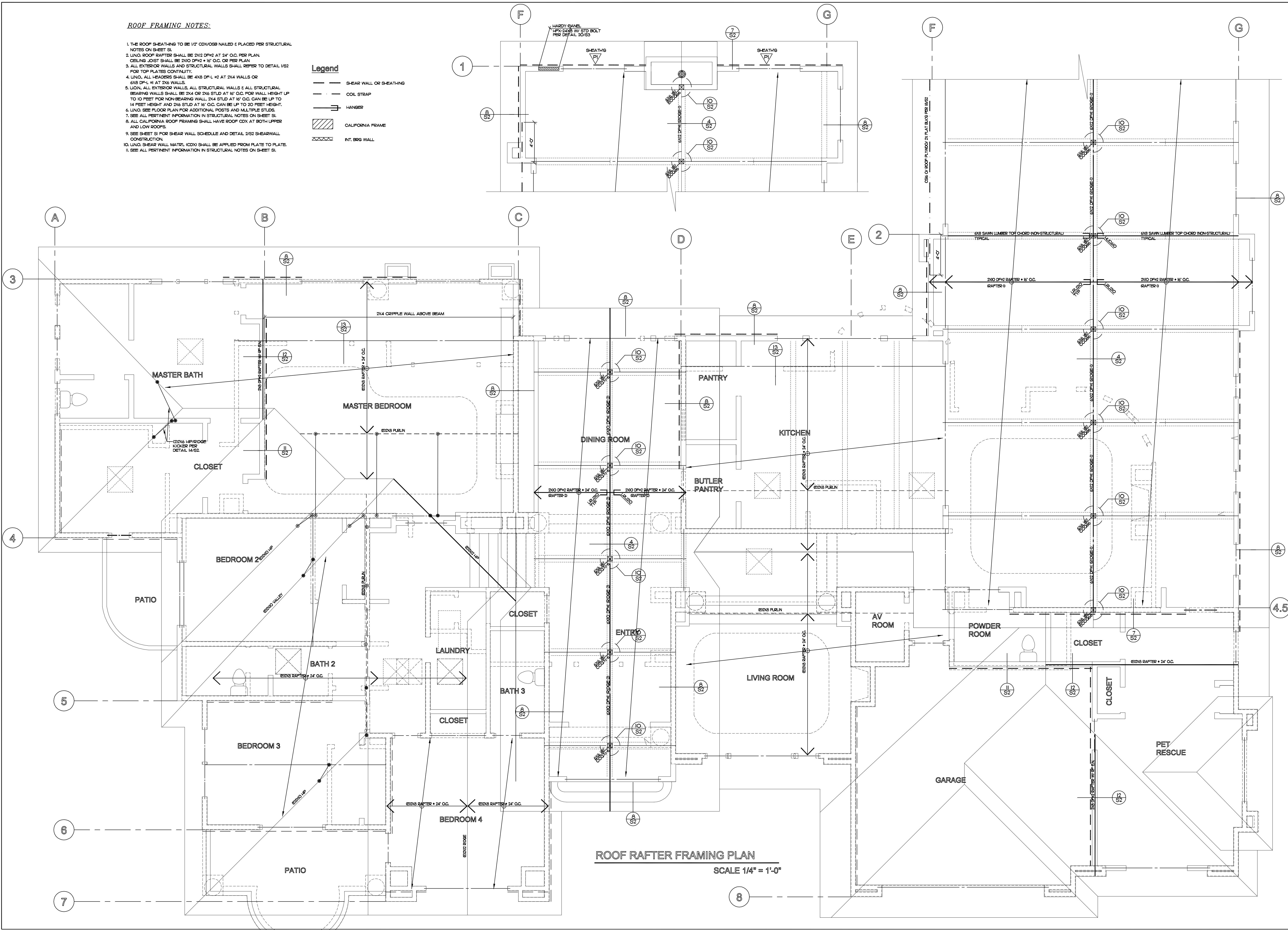
S6

ROOF FRAMING NOTES:

1. THE ROOF SHEATHING TO BE 1/2" CDX088 NAILED & PLACED PER STRUCTURAL NOTES ON SHEET S1.
2. UNO, ROOF RAFTER SHALL BE 2X12 DF#2 AT 24" O.C. PER PLAN. CEILING JOIST SHALL BE 2X10 DF#2 @ 16" O.C. OR PER PLAN.
3. ALL EXTERIOR WALLS AND STRUCTURAL WALLS SHALL REFER TO DETAIL 1/52 FOR TOP PLATES CONTINUITY.
4. UNO, ALL HEADERS SHALL BE 4X8 DF-L #2 AT 2X4 WALLS OR 6X8 DF-L #1 AT 2X6 WALLS.
5. UNO, ALL EXTERIOR WALLS, ALL STRUCTURAL WALLS & ALL STRUCTURAL BEARING WALLS SHALL BE 2X4 OR 2X6 STUD AT 16" O.C. FOR WALL HEIGHT UP TO 10 FEET FOR NON-BEARING WALL. 2X4 STUD AT 16" O.C. CAN BE UP TO 14 FEET HEIGHT AND 2X6 STUD AT 16" O.C. CAN BE UP TO 20 FEET HEIGHT.
6. UNO, SEE FLOOR PLAN FOR ADDITIONAL POSTS AND MULTIPLE STUDS.
7. SEE ALL PERTINENT INFORMATION IN STRUCTURAL NOTES ON SHEET S1.
8. ALL CALIFORNIA ROOF FRAMING SHALL HAVE ROOF CDX AT BOTH UPPER AND LOW ROOFS.
9. SEE SHEET S1 FOR SHEAR WALL SC-EDULE AND DETAIL 2/52 SHEARWALL CONSTRUCTION.
10. UNO, SHEAR WALL MATRL CDX0 SHALL BE APPLIED FROM PLATE TO PLATE.
11. SEE ALL PERTINENT INFORMATION IN STRUCTURAL NOTES ON SHEET S1.

Legend

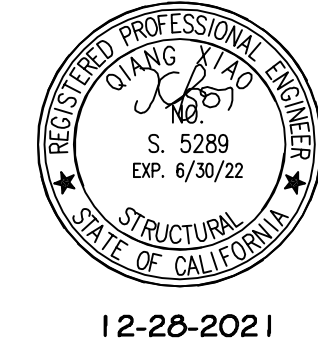
- SHEAR WALL OR SHEATHING
- COIL STRAP
- HANGER
- CALIFORNIA FRAME
- INT. BRG. WALL



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

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SHEET TITLE

ROOF-RAFTER
FRAMING-PLAN

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SHEET NUMBER

S7

[illegible]

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2019 Low-Rise Residential Mandatory Measures Summary

Requirements for Ventilation and Indoor Air Quality:

Requirements for Ventilation and Indoor Air Quality. All dwelling units must meet the requirements of ASHRAE Standard 62.2, Ventilation of Residential Buildings, as amended, and ASHRAE Standard 154, Design and Construction of Mechanical Ventilation Systems for Residential Buildings.

Single Family Detached Dwelling Units. Single family detached dwelling units, and attached dwelling units not sharing ceilings or floors with other dwelling units, shall be provided with mechanical ventilation equipment provided at least as follows:

Minimum Mechanical Ventilation Equipment. Mechanical ventilation equipment shall be provided in accordance with ASHRAE 62.2 Sections 4.1.1 and 4.2.2 and specified in ASHRAE 154, Table 4.1.1.

Minimum Mechanical Ventilation Equipment. Mechanical ventilation equipment shall be provided in accordance with ASHRAE 62.2 Sections 4.1.1 and 4.2.2 and specified in ASHRAE 154, Table 4.1.1.

Mechanical Ventilation Central Ventilation Systems. Central ventilation systems that serve multiple dwelling units shall be provided to comply with ASHRAE 62.2 Sections 4.1.1 and 4.2.2 and specified in ASHRAE 154, Table 4.1.1.

Minimum Mechanical Ventilation Equipment. Mechanical ventilation equipment shall be provided in accordance with ASHRAE 62.2 Sections 4.1.1 and 4.2.2 and specified in ASHRAE 154, Table 4.1.1.

Fast Ventilation and Diagnostic Testing. Ventilation or ventilation equipment shall be verified in accordance with ASHRAE Residential Ventilation Diagnostic Testing (RDVT) protocol. The RDVT protocol shall be performed in accordance with ASHRAE 62.2 Section 4.1.1 and 4.2.2 and specified in ASHRAE 154, Table 4.1.1.

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HVAC SYSTEM HEATING AND COOLING LOADS SUMMARY									
Project Name _____ DORCH RESIDENCE System Name _____ Room HVAC _____						Date 3/29/2022 Floor Area 3.843			
ENGINEERING CHECKS		SYSTEM LOAD							
Number of Systems		COIL COOLING PEAK							
Heating System		COIL HTG. PEAK				COIL HTG. PEAK			
Output per System		CFM	Sensible	Latent	CFM	Sensible	Latent	CFM	Sensible
Total Output (Btu/h)		72,000	1,721	41,482	1,417	1,720	41,888	1,720	41,888
Total Output (Btu/hwy)		18.7							
Cooling System		Return Room Loads							
Output per System		60,000							
Total Output (Btu/h)		60,000							
Total Output (Tons)		1.7							
Total Output (Btu/hwy)		5.6							
Total Output (kW/Ton)		768.6							
Air System		TOTAL SYSTEM LOAD							
CFM per System		2,000							
Airflow (cfm)		2,000							
Airflow (cfm/hwy)		0.52							
Airflow (cfm/Ton)		400.0							
Outside Air (%)		0.00							
Outside Air (cfm/hwy)		0.00							
HVAC EQUIPMENT SELECTION		TOTAL SYSTEM LOAD							
New FAUJAC (S-Ton) @ (a/h)				49,267		8,720		72,000	
Total Adjusted System Output				49,267		8,720		72,000	
(Adjusted for Peak Design conditions)									
Notes: values above shown atARI conditions									
HEATING SYSTEM PSYCHROMETRICS (Airstream Temperature at Time of Heating Peak)		TIME OF SYSTEM PEAK							
20° F								Aug 3 PM	
68° F								Jan 1 AM	
105° F									
Outside Air 0 cfm									
Supply Fan 2,000 cfm									
Heating Coil									
Room									
68° F									
105° F									
78° F									
Cooling System PSYCHROMETRICS (Airstream Temperature at Time of Cooling Peak)		TIME OF SYSTEM PEAK							
87° / 67° F									
78° / 63° F									
79° / 62° F									
55° / 54° F									
Outside Air 0 cfm									
Supply Fan 2,000 cfm									
Cooling Coil									
Room									
87° / 67° F									
78° / 63° F									
55° / 54° F									

HVAC SYSTEM HEATING AND COOLING LOADS SUMMARY																																																																																																																																																																																												
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System Name		Rosh HVAC		Floor Area		3,800																																																																																																																																																																																						
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RESIDENTIAL ROOM COOLING LOAD SUMMARY										Date:	3/29/2022
DORCHIA RESIDENCE											
ROOM INFORMATION						DESIGN CONDITIONS					
Room Name		Left Existing		Outdoor Dry Bulb Temperature		87°F					
Floor Area		3,843.21 ft ²		Outdoor Wet Bulb Temperature		67°F					
Indoor Dry Bulb Temperature		78°F		Outdoor Daily Range:		30°F					
Opaque Surfaces	Orientation	Area	X	U-Factor	X	CLTD"	=	Btu/hr			
			X		X		=				
			X		X		=				
			X		X		=				
			X		X		=				
			X		X		=				
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							Page Total	0			
Items shown with an asterisk (*) denote conducted through an interior surface to another room.											
U = Cooling Temperature Difference (C.D.T.)											
Shaded											
Fenestration	Orientation	Area	X	G.L.F.	Area	X	G.L.F.	=	Btu/hr		
SE Window	(SE)	0.0	X	9.5	+ 4.2	X	19.4	=	77		
NW Glass Door #4	(NW)	0.0	X	9.5	+ 64.0	X	17.3	=	1110		
NW Glass Door #7	(NW)	0.0	X	9.5	+ 28.0	X	17.3	=	522		
NW Windows #4	(NW)	0.0	X	9.5	+ 23.0	X	17.3	=	415		
NW Windows #5	(NW)	0.0	X	9.5	+ 23.0	X	17.3	=	415		
NW Windows #6	(NW)	0.0	X	9.5	+ 9.0	X	17.3	=	209		
NW Windows #8	(NW)	0.0	X	9.5	+ 30.0	X	17.3	=	520		
NW Windows #7	(NW)	0.0	X	9.5	+ 30.0	X	17.3	=	520		
Skylight	(N)	0.0	X	10.2	+ 25.0	X	45.3	=	1120		
							Page Total	5,224			
Internal Gain											
Occupants	11.5	Occupants	X	245	Btu/hour,	=	2,835				
Equipment	2.683	Floor Area	X	1.00	Watt	=	13,117				
Infiltration:											
1.977		C.F.M.	X	197.54	X	-5T	=	1,148			
Air Seepage		C.F.M.	X	ELA			=				
TOTAL HOURLY SENSIBLE HEAT GAIN FOR ROOM										41,480	
Latent Gain											
Occupants	11.5	Occupants	X	153	Btu/hour,	=	1,787				
Infiltration:											
4.820		C.F.M.	X	197.54	X	-0.00005	=	-370			
Air Leaked		C.F.M.	X	ELA			=				
TOTAL HOURLY LATENT HEAT GAIN FOR ROOM										1,417	

RESIDENTIAL ROOM COOLING LOAD SUMMARY										Date
Project Name: DORCH RESIDENCE										3/29/2017
ROOM INFORMATION					DESIGN CONDITIONS					
Room Name: <i>Right Existing</i>					Outdoor Dry Bulb Temperature					
Floor Area: 2,254.79 ft^2					Outdoor Wet Bulb Temperature					
Indoor Dry Bulb Temperature: 78 $^{\circ}\text{F}$					Outdoor Daily Range:					
Opaque Surfaces		Orientation	Area	U-Factor	CLTD ¹					
Existing Floor Casework		(NE)	2,254.8	0.0000	X	4.0				
Existing Wall		(NE)	212.0	0.1081	X	9.0				
Existing Wall		(SE)	19.4	0.1081	X	11.0				
Existing Wall		(NW)	189.0	0.1081	X	10.2				
76" W.D.			830.0	0.6450	X	37.0				
Existing Roof Rafter		(N)	2,236.0	0.0541	X	0.0				
			X	X	X	X				
			X	X	X	X				
			X	X	X	X				
			X	X	X	X				
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