

GEORGE & CLAUDIA NAVARRO

3565 WILLOW ROAD
BETHEL ISLAND, CA 94511

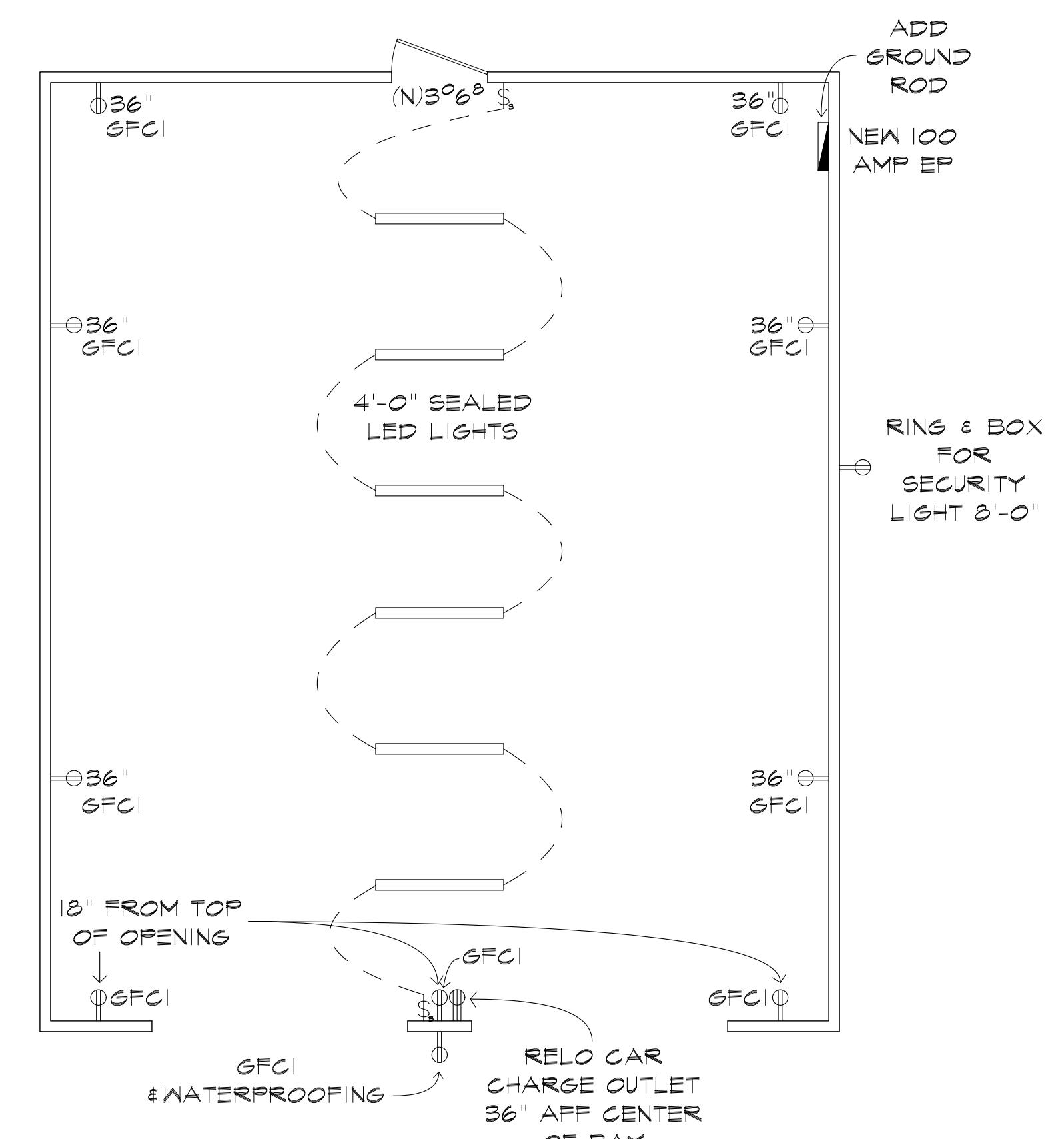
ELECTRICAL NOTES:

- ALL LIGHTING SHALL BE HIGH EFFICACY.
- ALL LIGHTING FIXTURES SHALL BE CONTROLLED BY EITHER A DIMMER SWITCH OR BY A VACANCY SENSOR SWITCH THAT REQUIRES A MANUAL ON ACTIVATION AND AUTOMATICALLY TURNS OFF WITHIN 30 MINS AFTER THE ROOM IS VACATED, EXCEPT THAT BATHROOMS, LAUNDRY ROOM, GARAGES AND UTILITY ROOMS SHALL HAVE ONE LIGHT FIXTURE CONTROLLED BY A VACANCY SENSOR. ALL OTHER LIGHTING IN OTHER ROOMS SHALL BE CONTROLLED BY A VACANCY SENSOR OR A DIMMER SWITCH.
- ALL LIGHT FIXTURES SHALL CONTAIN BULBS THAT ARE LABELED AS JAB-2016. SCREW BASE BULBS ARE PERMITTED, EXCEPT IN RECESSED LIGHTING FIXTURES.
- EXTERIOR LIGHTING AFFIXED TO THE RESIDENCE SHALL BE CONTROLLED BY A MANUAL ON/OFF SWITCH, WATER/WEATHER PROOF & SHALL BE HIGH EFFICACY IN ADDITION TO INCLUDE ONE OF THE FOLLOWING: A. PHOTOCELL & MOTION SENSOR B. PHOTOCONTROL & AUTOMATIC TIME SWITCH CONTROL C. ASTRONOMICAL TIME CLOCK CONTROL D. ENERGY MANAGEMENT CONTROL SYSTEM
- LUMINARIES THAT ARE TO BE RECESSED INTO INSULATED CEILING SHALL BE IC-RATED, AIR-TIGHT, SEALED/CAULKED BETWEEN THE FIXTURE HOUSING AND CEILING, SHALL NOT CONTAIN A SCREW BASE SOCKET AND CONTAIN BULBS MARKED WITH JAB-2016-E EFFICIENCY LABEL. RECESSED LUMINARIES SHALL BE CONTROLLED BY DIMMERS OR VACANCY SENSOR. RECESSED LUMINARIES SHALL COMPLY WITH THE REFERENCE JOINT APPENDIX JAB AND SHALL NOT CONTAIN SCREW BASE SOCKETS IN ADDITION TO BEING CONTROLLED BY A DIMMER SWITCH OR VACANCY SENSOR.
- ALL 125 VOLT 15 & 20 AMP RECEPTACLES SHALL BE TAMPER-RESISTANT RECEPTACLES.
- ELECTRICAL OUTLETS IN KITCHEN, LAUNDRY & BATH SHALL BE 15 AMP, 120V W/ DUAL FUNCTION GFCI & AFCI.
- ALL OUTLETS WITHIN 6' FEET OF A SINK SHALL HAVE GFCI PROTECTION.
- A 120-VOLT RECEPTACLE OUTLET REQUIRED AT WASHING MACHINE IN LAUNDRY AREA.
- A DEDICATED 20-AMP OUTLET IS REQUIRED TO SERVE THE REQUIRED BATHROOM OUTLETS. THIS CIRCUIT CANNOT SUPPLY ANY OTHER RECEPTACLES, LIGHTS, FANS, ETC. (EXCEPTION--WHERE THE CIRCUIT SUPPLIES A SINGLE BATHROOM, OUTLETS FOR OTHER EQUIPMENT WITHIN THE SAME BATHROOM SHALL BE PERMITTED TO BE SUPPLIED.)
- CARBON MONOXIDE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING AND SHALL BE EQUIPPED WITH BATTERY BACK-UP.
- AT LEAST 2 OR MORE 20 AMP SMALL-APPLIANCE BRANCH CIRCUITS SHALL BE PROVIDED AT THE KITCHEN.
- ALL BRANCH CIRCUITS SUPPLYING OUTLETS OR DEVICES INSTALLED IN BEDROOM AND SIMILAR ROOMS/SPACES SHALL HAVE A LISTED COMBINATION TYPE ARC-FAULT CIRCUIT INTERRUPTER.
- BATHROOM EXHAUST FAN SHALL BE RATED FOR MIN 50 CFM AND KITCHEN EXHAUST FAN TO BE RATED FOR MIN 100 CFM.
- THE FOLLOWING COMPONENTS SHALL BE PROVIDED FOR THE WATER HEATING SYSTEM:

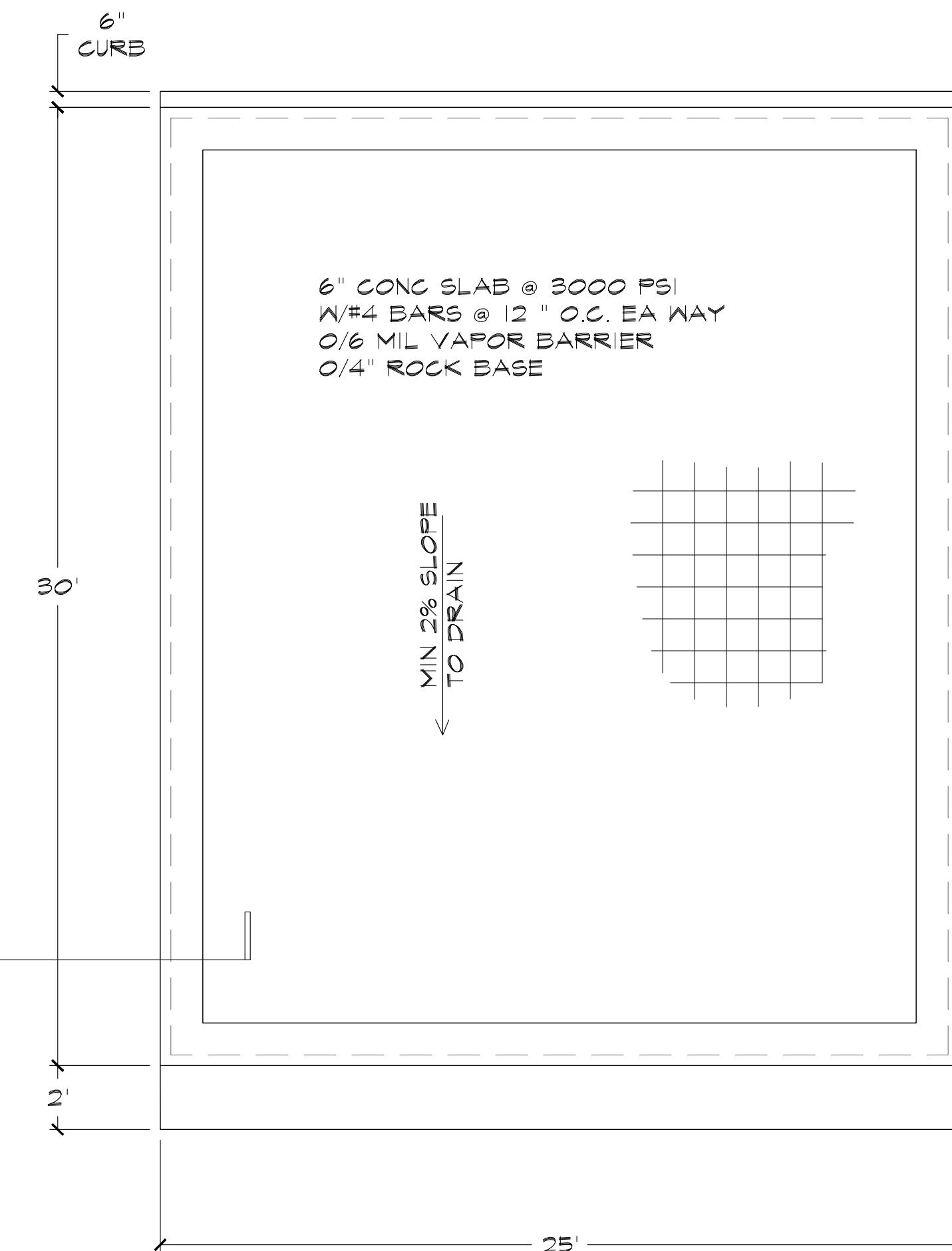
- A. A DEDICATED 125-VOLT 20-AMP ELECTRICAL RECEPTACLE THAT IS CONNECTED TO THE ELECTRIC PANEL WITH A 120/240-VOLT 3 CONDUCTOR, 10 AWG COPPER BRANCH CIRCUIT WITHIN 3' FROM THE WATER HEATER ACCESSIBLE TO THE WATER HEATER WITH NO OBSTRUCTIONS. IN ADDITION ALL OF THE FOLLOWING:
 - i. BOTH ENDS OF THE UNUSED CONDUCTOR SHALL BE LABELED WITH THE WORD "SPARE" AND BE ELECTRICALLY ISOLATED; AND
 - ii. A RESERVED SINGLE POLE CIRCUIT BREAKER SPACE IN THE ELECTRICAL PANEL ADJACENT TO THE CIRCUIT BREAKER FOR THE BRANCH CIRCUIT IN A ABOVE AND LABELED WITH THE WORDS "FUTURE 240V USE"
- B. A CATEGORY III OR IV VENT, OR A TYPE B VENT WITH STRAIGHT PIPE BETWEEN THE OUTSIDE TERMINATION AND THE SPACE WHERE THE WATER HEATER IS INSTALLED.
- C. A CONDENSATE DRAIN THAT IS NO MORE THAN 2" HIGHER THAN THE BASE OF THE INSTALLED WATER HEATER, AND ALLOWS NATURAL DRAINING WITHOUT PUMP ASSISTANCE
- D. A GAS SUPPLY LINE WITH A CAPACITY OF AT LEAST 200,000 BTU/HR.

ELECTRICAL KEY:

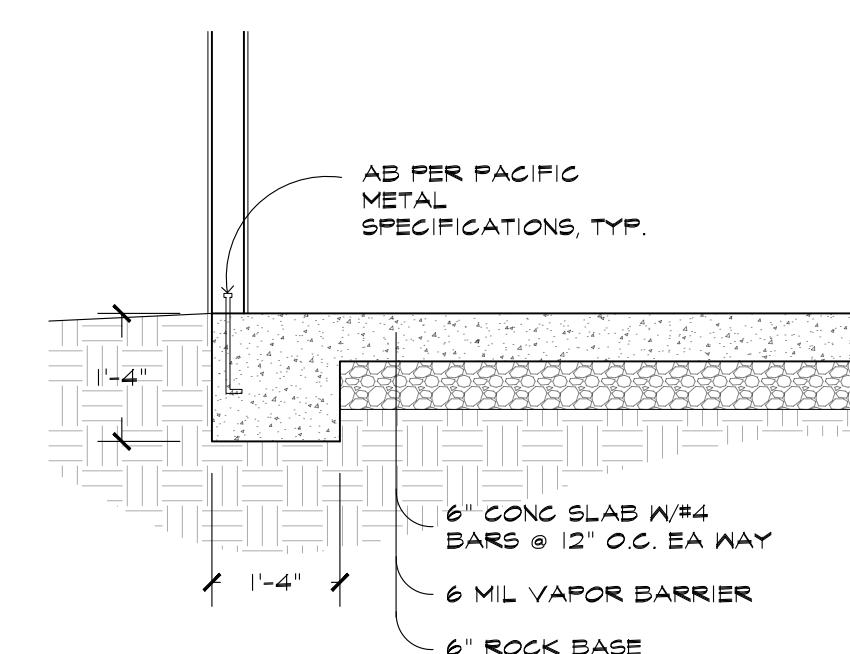
- 110V DUPLEX/ 220V OUTLET
- \$/\$ SWITCH/3-WAY SWITCH
- ① RECESSED CAN LT.
- WALL-MOUNT LT.
- ◊ CEILING MOUNT LT.
- LED ROPE LTG.
- CO2 CARBON MONOXIDE & SMOKE DETECTOR COMBO; VERIFY (E)
- ② HARDWIRED, INTERCONNECTED SMOKE DETECTOR; VERIFY (E)
- ◊ CEILING MOUNT PENDANT LT.
- ◊ GAS STUB
- ◊ CEILING VENT/FAN
- CEILING-MT. FAN W/ LT.



PROPOSED ELECTRICAL PLAN



PROPOSED GARAGE FOUNDATION



DETAIL

REVISIONS:

- △ N/A

SHEET TITLE: GARAGE FOUNDATION & ELECTRICAL PLAN

JOB #24156

SCALE: 1" = 1'-0"

DRAWN BY: JDB

DATE: NOV 2024

SHEET NUMBER:

A2

GEORGE NAVARRO

3565 WILLOW RD, BETHEL ISLAND, CA 94511
(CONTRA COSTA COUNTY, CA)
24' X 30' X 12'

SCOPE OF PLANS:

1. TO PROVIDE STRUCTURAL DESIGN FOR THE PRE-FAB METAL BUILDING PER THE SPECIFIED DESIGN LOADS, AND APPLICABLE BUILDING CODES. ANY DISCREPANCIES IN DESIGN LOADS SHALL BE BROUGHT TO THE ATTN. OF THE ENGINEER OF RECORD.
2. **DOES NOT PROVIDE** ANY ARCHITECTURAL, SITE, ZONING, HVAC, ELEC, MECH DESIGN OR REQUIREMENTS. THESE ITEMS MUST BE ADDRESSED BY THEIR RESPECTIVE PROFESSIONALS IN CHARGE.

GENERAL STRUCTURAL DESIGN NOTES

1. THIS STRUCTURE IS DESIGNED FOR NON-HABITABLE USE. NO PERSONS ARE ALLOWED TO LIVE IN THIS BUILDING OR USE IT AS A LIVING SPACE. ONLY INCIDENTAL OCCUPANCY IS PERMITTED.
2. ALL WELDS ARE TO BE SHOP WELDS. **FIELD WELDING IS NOT PERMITTED NOR REQUIRED.** WELDING ELECTRODES PER AWS CODE, E70XX UNLESS NOTED OTHERWISE ON PLANS.
3. LIGHT GAUGE TUBING SHALL BE EITHER (OR EQUAL): ASTM A513-1035 (FY = 50 KSI, FU = 66 KSI) OR ASTM A500 GRADE C (FY = 50 KSI, FU = 65 KSI). ALL CHANNELS SHALL BE A653 (HSLA) GRADE 50 STEEL (FY = 50 KSI, FU = 65 KSI) OR EQUAL. HOT ROLLED STEEL SHAPES (FY = 36 KSI, BASE ANGLES) EXPOSED TO THE ELEMENTS, SHALL HAVE ONE COAT OF RUST PROOF PRIMER FOLLOWED BY TWO COATS OF PAINT.
4. ALL STRUCTURAL FIELD CONNECTIONS SHALL BE #12-14 x 3/4" SDS PER ESR-2196 U.N.O. REF. TO DESIGN NOTES ON SHEET 2 FOR SHEATHING FASTENER TYPE.
5. ADEQUATE BRACING DURING ALL STAGES OF CONSTRUCTION IS REQUIRED. STRUCTURE AND FOUNDATION ARE DESIGNED FOR COMPLETED CONDITION ONLY. ADDITIONAL SUPPORT TO MAINTAIN STABILITY IS REQUIRED IN CASE OF ROOF ACCESS FOR MAINTENANCE.
6. GYPSUM BOARD OR DRYWALL FINISH OR ANY BRITTLE BASE MATERIAL IS NOT CONSIDERED OR ACCOUNTED FOR ON THE DESIGN CRITERIA OF THIS STRUCTURE, U.N.O.

REVISIONS LIST

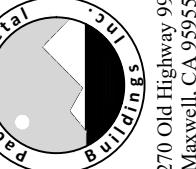
MARK	COMMENTS	DATE
-	ISSUED FOR PERMIT	NOV 18 2024

STRUCTURAL DESIGN CRITERIA

PREVAILING CODE:	CBC 2022
OCCUPANCY / USE GROUP:	U (PRIVATE GARAGE)
CONSTRUCTION TYPE:	V B (ANY MAT'L - IBC 602.5)
RISK CATEGORY:	II
BUILDING FOOTAGE:	720 SQ.FT
1. DEAD LOAD (D) COLLATERAL LOAD	2.0 PSF
2. ROOF LIVE LOAD (Lr)	Lr = 12 PSF
3. SNOW LOAD (S) GROUND SNOW LOAD IMPORTANCE FACTOR	Pg = 0 PSF Is = 1.00
	Ct = 1.2
	Ce = 1.0
	Cs = 1.0
	Pf = 0 PSF
	Ps = 0 PSF
	S = 0 PSF
4. WIND LOAD (W) DESIGN WIND SPEED EXPOSURE	V = 110 MPH C
5. SEISMIC LOAD (E) Ss / S1 SDs / SD1 DESIGN CATEGORY	1.115/0.401 0.892/0.508 D
SITE CLASS IMPORTANCE FACTOR	D (DEFAULT) Ie = 1.00
L.F.R.S IN X DIR (TRANSVERSE)	
	O.M.F.
	R = 3.50
	O.C.B.F
	R = 3.25
	CSx = 0.232
	VSx = 849 LBF
L.F.R.S IN Z DIR (LONGITUDINAL)	
	O.C.B.F
	R = 3.25
	CSz = 0.232
	VSz = 849 LBF

STRUCTURAL DRAWING INDEX

- 1 COVER SHEET
- 2 ELEVATIONS
- 3A ANCHORAGE PLAN, REACTIONS & NOTES
- 3B ANCHORAGE TO AS-BUILT & NOTES
- 4 COLUMN LAYOUT PLAN & DETAILS
- 5 FRAME SECTION & DETAILS
- 6 SIDE WALL FRAMING & DETAILS
- 7A END WALL FRAMING & DETAILS
- 7B END WALL FRAMING DETAILS

SHEET NO: 1 OF 7	
PROJECT NO: 232-24-3266	
DRAWN BY: A.F	DATE: 11/15/2024
THE INFORMATION CONTAINED IN THESE DRAWINGS IS THE SOLE PROPERTY OF PACIFIC METAL BUILDINGS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF PACIFIC METAL BUILDINGS, INC. IS PROHIBITED.	
FOR QUESTIONS, MODIFICATIONS, REVISIONS OR CORRECTIONS NEEDED TO PLANS, PLEASE CONTACT THE METAL BUILDINGS MANUFACTURER LISTED ON PLANS. ENGINEER OF RECORD REQUIRES AUTHORIZATION FROM THE METAL BUILDINGS MANUFACTURER TO MAKE ANY CHANGES TO PLANS.	
SHEET TITLE: COVER SHEET	
PROJECT TITLE: GEORGE NAVARRO	
LOCATION: 3565 WILLOW RD BETHEL ISLAND, CA 94511	
SHEET NUMBER: 1	
METAL BUILDING MANUFACTURER	
 270 Old Highway 99 Maxwell, CA 95555 1-877-604-2777	

WARNING: Unauthorized copy or use of the seal below is considered forgery subject to legal action to the fullest extent of the law and/or fines.

GEORGE NAVARRO 3565 WILLOW RD BETHEL ISLAND, CA 94511
REGISTERED PROFESSIONAL ENGINEER CIVIL RAFAEL D. SALGADO GEORGE NAVARRO 3565 WILLOW RD BETHEL ISLAND, CA 94511 C95761 STATE OF CALIFORNIA
GEORGE NAVARRO 3565 WILLOW RD BETHEL ISLAND, CA 94511 EXPIRES: 03/31/2026 SIGNED: NOV 18 2024
GEORGE NAVARRO 3565 WILLOW RD BETHEL ISLAND, CA 94511 I am the author of this document Toledo, OH 2024.11.21 13:44:23-05'00'

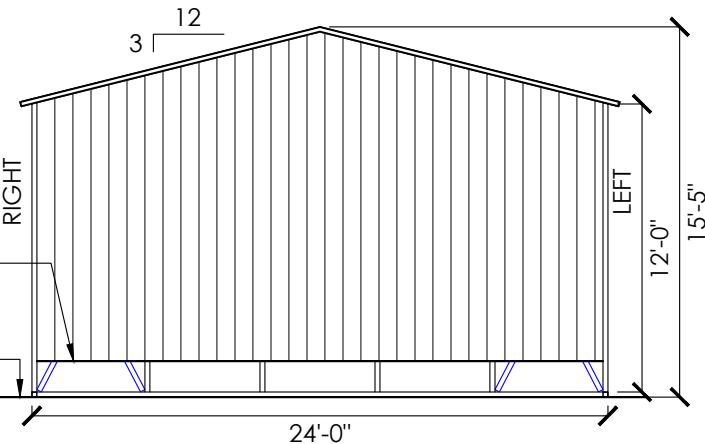
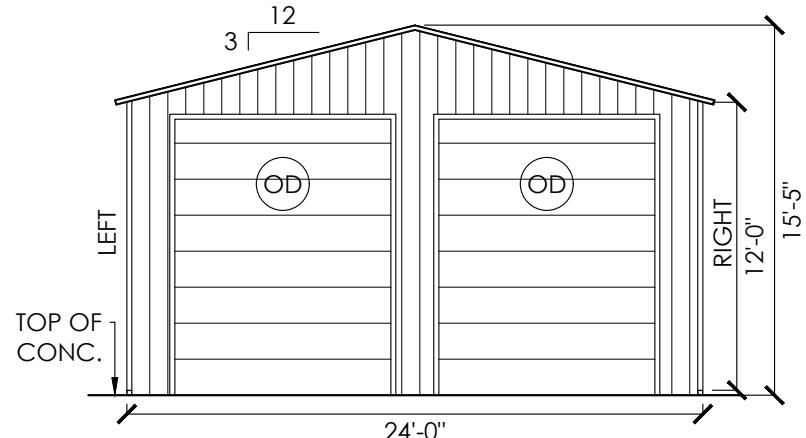
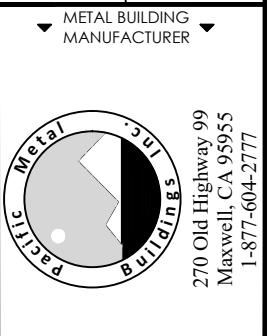
Rafael D
Salgado

ELEVATIONS

SHEET TITLE:

PROJECT TITLE: GEORGE NAVARRO

LOCATION: GEORGE NAVARRO



DESIGN NOTES

1. THE INTENTION OF ELEVATIONS PROVIDED ON THIS SHEET IS TO INDICATE STRUCTURAL COMPONENTS, DIMENSIONS, AND BUILDING ORIENTATION ONLY.
2. ARCHITECTURAL DESIGN REQUIREMENTS ARE NOT COVERED IN THIS PLAN SET. THESE DESIGN REQUIREMENTS SHALL BE ADDRESSED IN A SEPARATE ARCHITECTURAL SET BY RESPONSIBLE LICENSED PROFESSIONALS IN CHARGE, AS NEEDED.
3. ALL EXT ROOF SHEATHING SHALL BE: CLASS A RATED 26GA. **1 1/4" PBR PANEL** - PER UES ER 0550 OR EQ. (REF. SHT 5 FOR PROFILE AND FASTENER SCHD.)
4. ALL EXT WALL SHEATHING SHALL BE: CLASS A RATED 26GA. **1 1/4" STRATA RIB** - PER UES ER 0550 OR EQ. (REF. SHT 5 FOR PROFILE AND FASTENER SCHD.)
5. **SHEATHING CONNECTIONS SHALL BE #12-14 X 3/4" SDS** (PER UES-ER 0550 REQ.) W/ BONDED NEOPRENE WASHER PER ESR 2196.

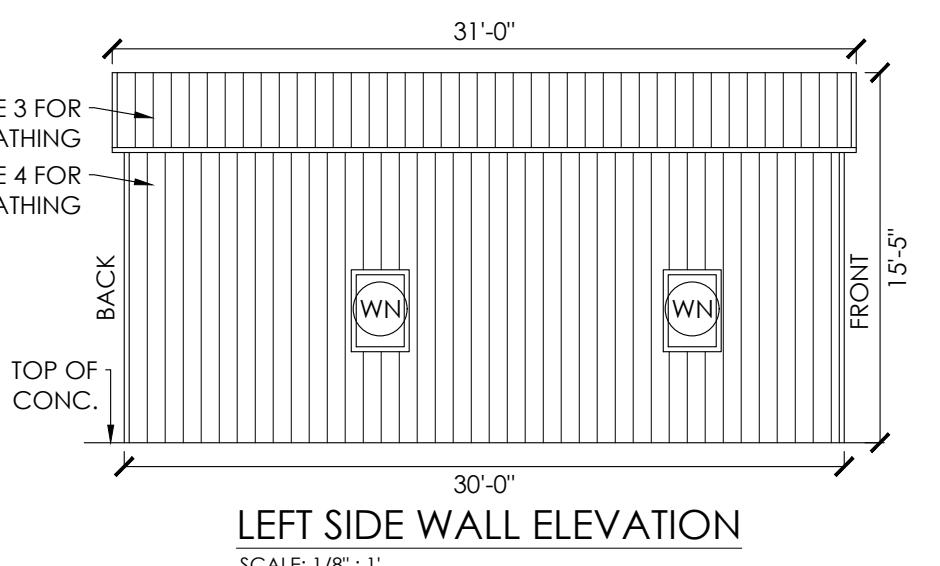
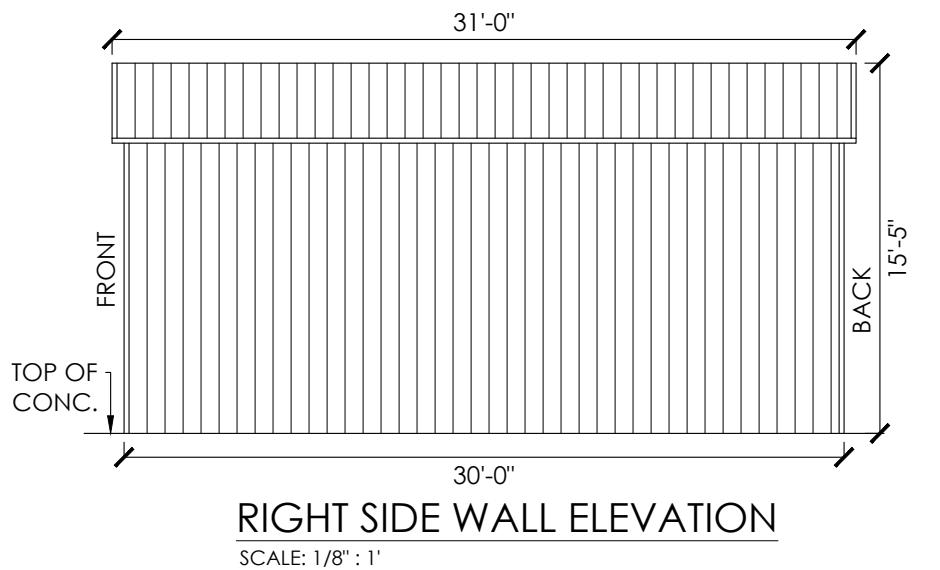
LEGEND

WN WINDOWS (REF WINDOW MFG)

OD OVER HEAD / ROLL-UP DOOR (REF DOOR MFG)

NOTE 1: ANY DOOR OR WINDOW DESIGN & CONNECTION / ATTACHMENT INFORMATION, IS NOT COVERED IN THIS PLAN SET AND SHALL BE ADDRESSED BY OTHERS.

NOTE 2: LOC OF WINDOWS CAN BE DETERMINED ON SITE AS LONG AS THEY FALL BETWEEN BAYS (BETWEEN FULL FRAMES).



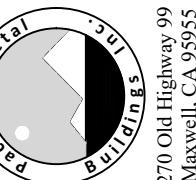
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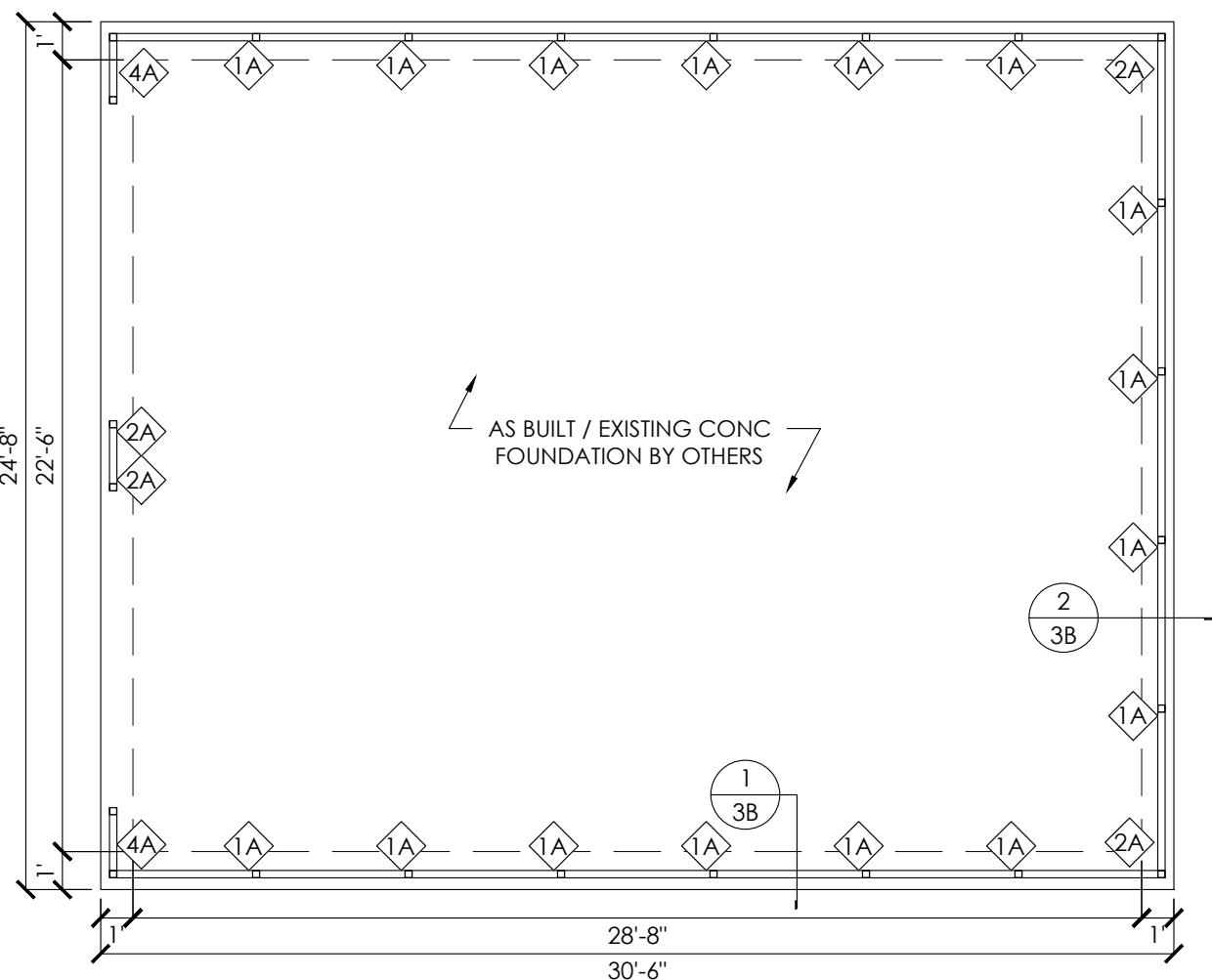
GEORGE NAVARRO
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 3565 WILLOW RD
 BETHEL ISLAND, CA 94511
 CIVIL
 RAFAEL D. SALGADO

GEORGE NAVARRO
 3565 WILLOW RD
 BETHEL ISLAND, CA 94511
 STATE OF CALIFORNIA
 REGISTERED PROFESSIONAL ENGINEER

GEORGE NAVARRO
 3565 WILLOW RD
 BETHEL ISLAND, CA 94511
 EXPIRES: 03/31/2026
 SIGNED: NOV 18 2024

SHEET NO: 3A OF 7	
PROJECT NO: 232-24-3266	
DRAWN BY: A.F	DATE: 11/15/2024
ANCHORAGE PLAN, REACTIONS & NOTES	
LOCATION: 3565 WILLOW RD BETHEL ISLAND, CA 94511	
PROJECT TITLE: GEORGE NAVARRO	
SHEET TITLE: METAL BUILDING MANUFACTURER	
 Metal Building Manufacturers Association 1-877-604-2777 270 Old Highway 99 Maxwell, CA 95955	



CONCRETE ANCHORAGE	
1A	(1) 1/2"Ø x 7" LG. STRONG-BOLT 2EXPANSION ANCHOR (PER ESR 3037)
2A	(2) 1/2"Ø x 7" LG. STRONG-BOLT 2EXPANSION ANCHOR (PER ESR 3037)
4A	(4) 1/2"Ø x 7" LG. STRONG-BOLT 2EXPANSION ANCHOR (PER ESR 3037)

Corner Posts Max. Values							
Load Case (UNITS)	Fx (KIP)	Fy (BRG) (KIP)	Fy (UPLIFT) (KIP)	Fz (KIP)	Mx (KIP-IN)	My (KIP-IN)	Mz (KIP-IN)
DEAD	0.090	0.726	0.646	0.104	0.000	0.000	0.000
LIVE	0.306	2.690	2.371	0.402	0.000	0.000	0.000
Wind X (POS.)	0.711	1.956	-3.504	0.505	0.000	0.000	0.000
Wind X (NEG.)	0.699	2.218	-3.223	0.411	0.000	0.000	0.000
Wind Z (POS.)	0.248	0.692	-2.089	0.327	0.000	0.000	0.000
Wind Z (NEG.)	0.239	0.610	-1.822	0.233	0.000	0.000	0.000
Seismic X (POS.)	0.101	0.383	-0.383	0.035	0.000	0.000	0.000
Seismic X (NEG.)	0.101	0.383	-0.383	0.035	0.000	0.000	0.000
Seismic Z (POS.)	0.004	0.123	-0.129	0.042	0.000	0.000	0.000
Seismic Z (NEG.)	0.004	0.129	-0.123	0.042	0.000	0.000	0.000

Outer Side Wall Posts Max. Values (Non-corner)							
Load Case (UNITS)	Fx (KIP)	Fy (BRG) (KIP)	Fy (UPLIFT) (KIP)	Fz (KIP)	Mx (KIP-IN)	My (KIP-IN)	Mz (KIP-IN)
DEAD	0.009	0.223	0.047	0.020	0.000	0.000	0.000
LIVE	0.047	0.330	-0.308	0.042	0.000	0.000	0.000
Wind X (POS.)	0.352	0.389	-0.638	0.698	0.000	0.000	0.000
Wind X (NEG.)	0.453	0.590	-0.394	0.638	0.000	0.000	0.000
Wind Z (POS.)	0.388	-0.402	-0.585	0.483	0.000	0.000	0.000
Wind Z (NEG.)	0.311	-0.173	-0.342	0.586	0.000	0.000	0.000
Seismic X (POS.)	0.000	0.089	-0.089	0.076	0.000	0.000	0.000
Seismic X (NEG.)	0.000	0.089	-0.089	0.076	0.000	0.000	0.000
Seismic Z (POS.)	0.000	0.026	-0.027	0.058	0.000	0.000	0.000
Seismic Z (NEG.)	0.000	0.027	-0.026	0.058	0.000	0.000	0.000

End Wall Posts Max. Values (Non-corner)							
Load Case (UNITS)	Fx (KIP)	Fy (BRG) (KIP)	Fy (UPLIFT) (KIP)	Fz (KIP)	Mx (KIP-IN)	My (KIP-IN)	Mz (KIP-IN)
DEAD	0.048	0.388	0.000	0.010	0.000	0.000	0.000
LIVE	0.146	1.190	0.000	0.051	0.000	0.000	0.000
Wind X (POS.)	0.950	2.260	-3.104	0.808	0.000	0.000	0.000
Wind X (NEG.)	0.911	2.739	-2.607	0.574	0.000	0.000	0.000
Wind Z (POS.)	0.285	0.000	-0.766	0.417	0.000	0.000	0.000
Wind Z (NEG.)	0.167	0.066	-0.308	0.633	0.000	0.000	0.000
Seismic X (POS.)	0.108	0.330	-0.330	0.000	0.000	0.000	0.000
Seismic X (NEG.)	0.108	0.330	-0.330	0.000	0.000	0.000	0.000
Seismic Z (POS.)	0.020	0.063	-0.045	0.000	0.000	0.000	0.000
Seismic Z (NEG.)	0.020	0.045	-0.063	0.000	0.000	0.000	0.000

FOUNDATION REACTIONS

REACTION NOTES: 1. REACTIONS ARE PROVIDED FOR FOUNDATION ENGINEER.
2. POSITIVE Fy VALUE INDICATES BEARING.
3. NEGATIVE Fy VALUE INDICATES UPLIFT.
4. Fx AND Fz ARE ABSOLUTE VALUES.

NOTE:
1. THE ENGINEERS CERTIFICATION IS LIMITED TO THE STRUCTURAL ENGINEERING FOR THE PREFABRICATED STRUCTURAL FRAMING AND POST INSTALLED CONCRETE ANCHORAGE ONLY.
2. STRUCTURAL BASE REACTIONS VALUES ARE PROVIDED HEREIN TO AID THE DESIGN AND / OR CHECK THE AS-BUILT ANCHORAGE & FOUNDATION BY OTHERS. FOUNDATION HAS NOT BEEN SPECIFIED IN THIS PLAN SET AND SHALL BE THE RESPONSIBILITY OF OTHERS.

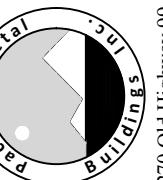
AS-BUILT / EXISTING FOUNDATION NOTES:

1. THE VALIDITY OF ENGINEERS STAMP ON THIS SHEET DOES **NOT** COVER EITHER THE DESIGN OR REINFORCEMENT OF THE AS-BUILT FOUNDATION (AS FOUNDATION WAS POURED PRIOR TO ENGINEER OF RECORD'S INVOLVEMENT OR RECOMMENDATION). ALL AS-BUILT FOUNDATION DESIGN AND REINFORCEMENT SHALL BE RESPONSIBILITY OF ORIGINAL FOUNDATION DESIGNERS / OTHERS RESPONSIBLE.
2. A MIN. SLAB SIZE OF 24'-8" X 30'-6" IS NECESSARY TO ALLOW THE MIN. OF 4" ANCHOR-TO-CONCRETE EDGE DISTANCE.
3. CONCRETE ANCHORS SHALL BE LOCATED AS SHOWN ON THE ANCHORAGE PLAN WITH A MINIMUM OF (1) ANCHOR PER POST.
4. ASSUMED CONCRETE STRENGTH FOR ANCHORAGE DESIGN TO BE A MIN OF 3000 PSI.

GEORGE NAVARRO
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REGISTERED PROFESSIONAL ENGINEER
CIVIL
RAFAEL D. SALGADO
GEORGE NAVARRO
3565 WILLOW RD
BETHEL ISLAND, CA 94511
STATE OF CALIFORNIA
EXPIRES: 03/31/2026
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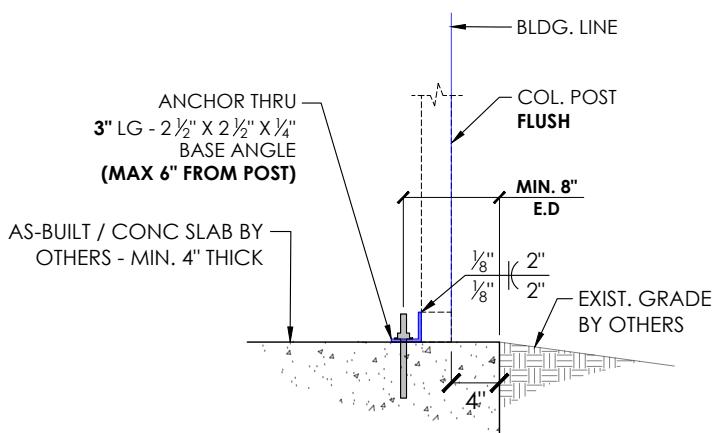
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1-877-604-2777
270 Old Highway 99
Maxwell, CA 95955

SHEET NO: 3B OF 7	
PROJECT NO: 232-24-3266	
DRAWN BY: A.F	DATE: 11/15/2024
ANCHORAGE TO AS-BUILT & NOTES	
LOCATION: 3565 WILLOW RD BETHEL ISLAND, CA 94511	PROJECT TITLE: GEORGE NAVARRO
SHEET TITLE: ANCHORAGE TO AS-BUILT	
PROJECT TITLE: GEORGE NAVARRO	
METAL BUILDING MANUFACTURER	
 270 Old Highway 99 Maxwell, CA 95955 1-877-604-2777	

CONCRETE ANCHORAGE

1A	(1) 1/2"Ø x 7" LG. STRONG-BOLT 2EXPANSION ANCHOR (PER ESR 3037)
2A	(2) 1/2"Ø x 7" LG. STRONG-BOLT 2EXPANSION ANCHOR (PER ESR 3037)
4A	(4) 1/2"Ø x 7" LG. STRONG-BOLT 2EXPANSION ANCHOR (PER ESR 3037)



1 FOUNDATION DETAILS

SCALE: 3/4" : 1"

ANCHOR NOTES:

- ANCHOR INSTALLATION REQUIREMENTS (REF ANCHORAGE DETAIL):

E.D. - ANCHOR EDGE DISTANCE: MIN. 4" OR U.N.O.

H. - ANCHOR HOLE DEPTH: MIN. 3.00"

D. - CONCRETE EMBEDMENT DEPTH: MIN. 2.75"

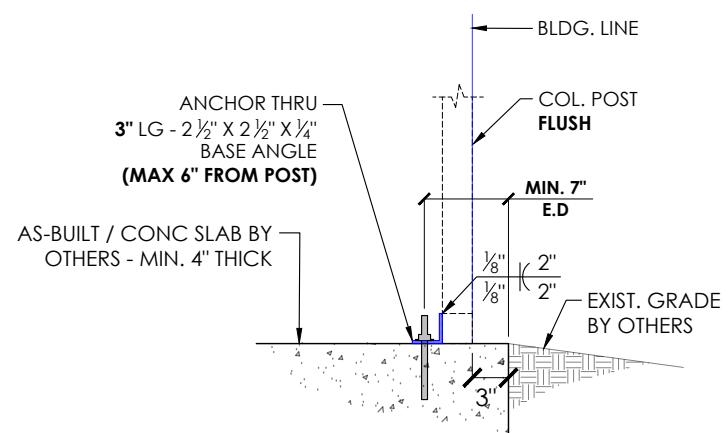
SPACING BETWEEN (2) ANCHORS: MIN. 2.75" OR U.N.O.

- ANCHORS TO BE SPACED NO MORE THAN 6" FROM POSTS OR U.N.O.

- ANCHORS TO BE INSTALLED PER MANUFACTURER'S REQ. PER SPECIFIED ESR.

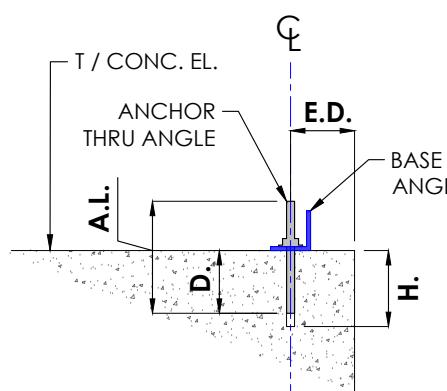
AS-BUILT NOTE:

- ANY AS-BUILT INFORMATION OR DETAILS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THE ENGINEER HAS NOT INSPECTED THE ACCURACY AND/OR THE COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.



2 FOUNDATION DETAILS

SCALE: 3/4" : 1"



ANCHORAGE DETAIL

SCALE: NTS

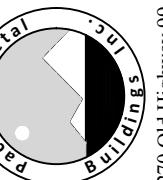
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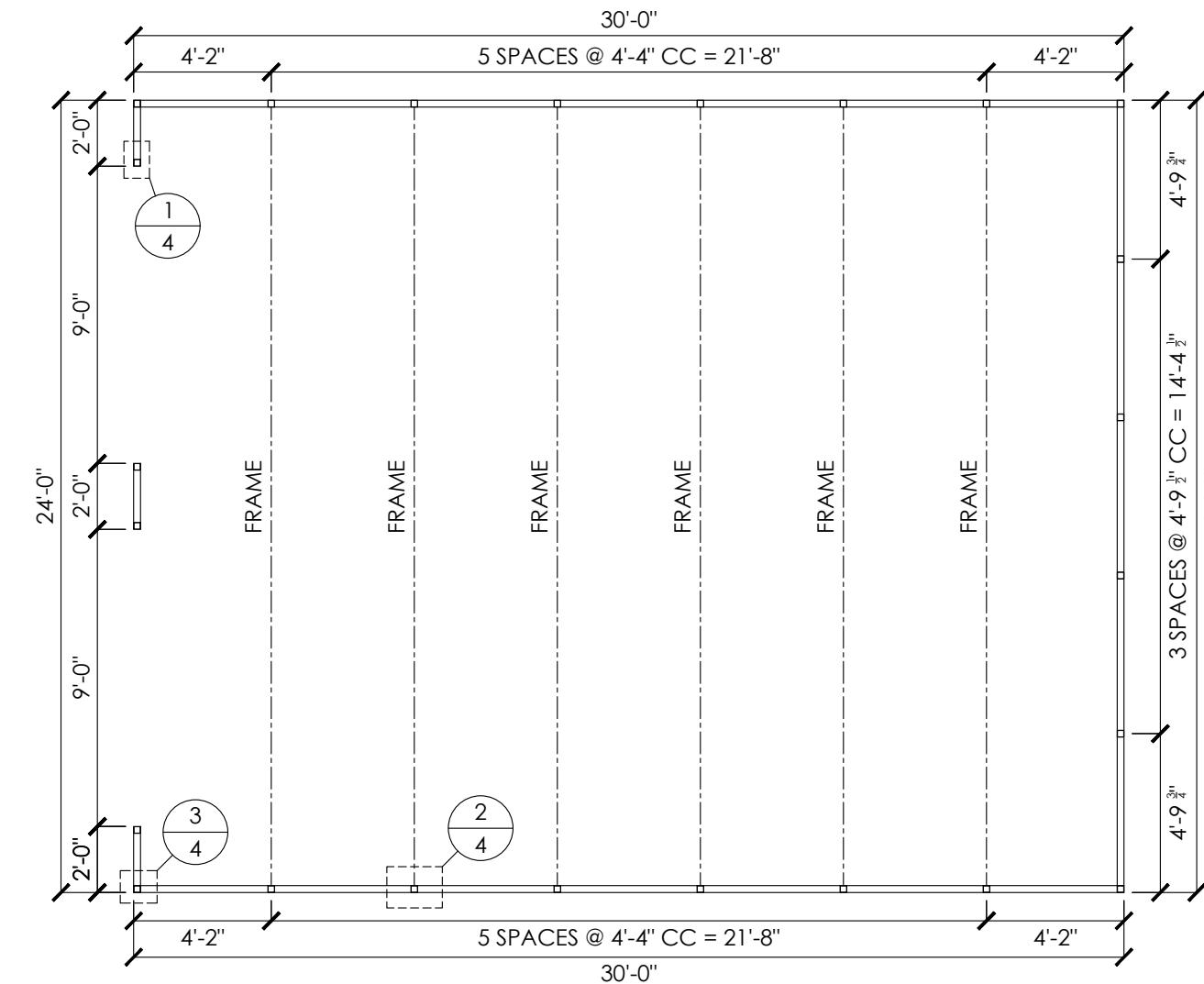
GEORGE NAVARRO
3565 WILLOW RD
BETHEL ISLAND, CA 94511

REGISTERED PROFESSIONAL ENGINEER
CIVIL
RAFAEL D. SALGADO
GEORGE NAVARRO
3565 WILLOW RD
BETHEL ISLAND, CA 94511

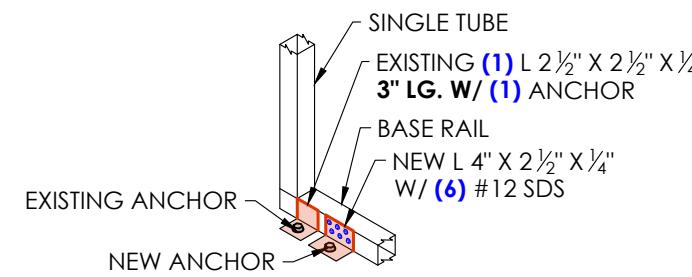
GEORGE NAVARRO
3565 WILLOW RD
BETHEL ISLAND, CA 94511
C95761

GEORGE NAVARRO
3565 WILLOW RD
BETHEL ISLAND, CA 94511
EXPIRES: 03/31/2026
SIGNED: NOV 18 2024

SHEET NO: 4 OF 7	
PROJECT NO: 232-24-3266	
DRAWN BY: A.F	DATE: 11/15/2024
LOCATION: 3565 WILLOW RD BETHEL ISLAND, CA 94511	
PROJECT TITLE: GEORGE NAVARRO	
SHEET TITLE: COLUMN LAYOUT PLAN & DETAILS	
METAL BUILDING MANUFACTURER	
 270 Old Highway 99 Maxwell, CA 95555 1-877-604-2777	

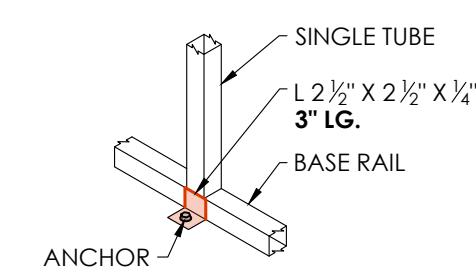


NOTE:
SEE SHEET 3A / 3B FOR ANCHOR TYPE
SEE SHEET 5 FOR FRAME SECTION AND DETAILS



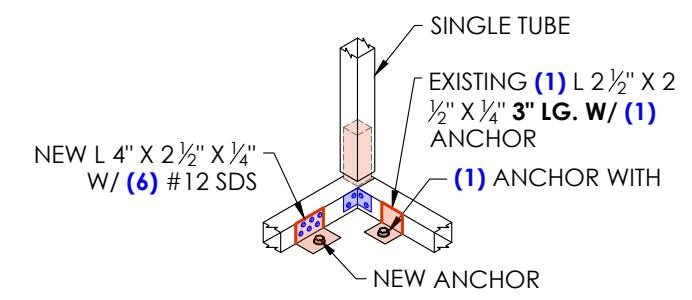
1 ANCHOR DETAIL

SCALE: 1/2" : 1'



2 ANCHOR DETAIL

SCALE: 1/2" : 1'



3 ANCHOR DETAIL

SCALE: 1/2" : 1'

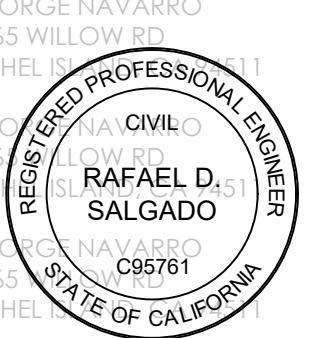
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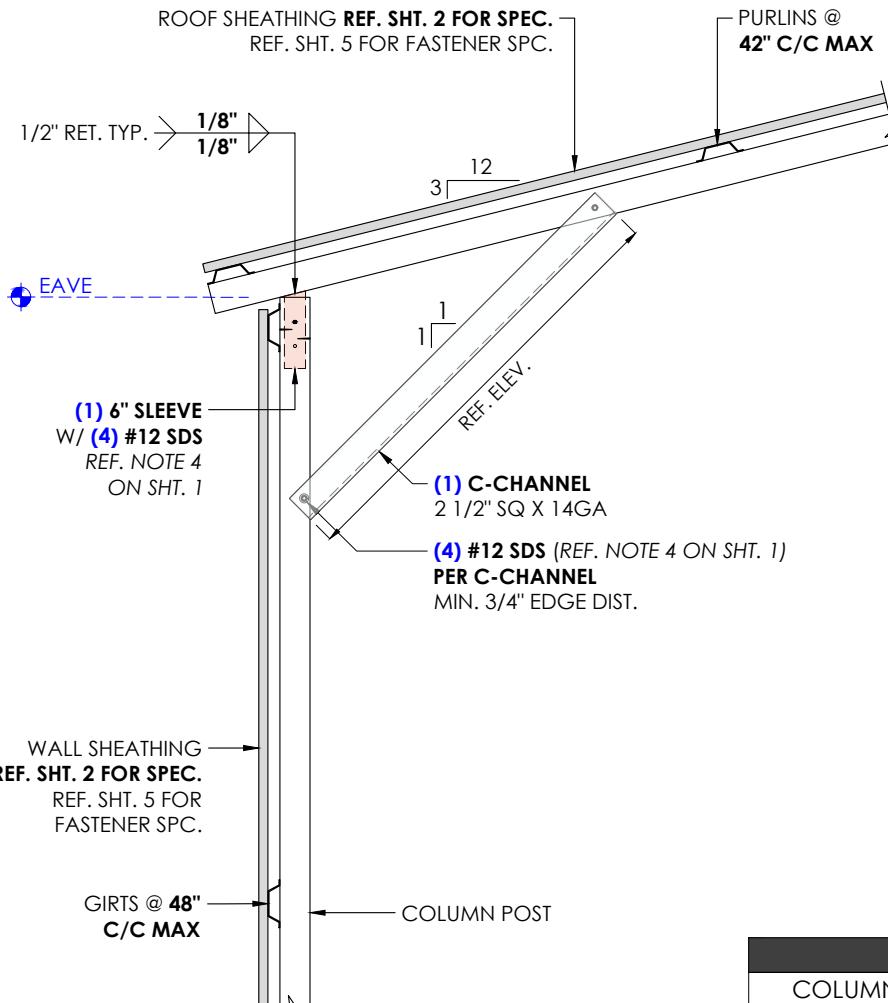
GEORGE NAVARRO
3565 WILLOW RD
BETHEL ISLAND, CA 94511
EXPIRES: 03/31/2026
SIGNED: NOV 18 2024



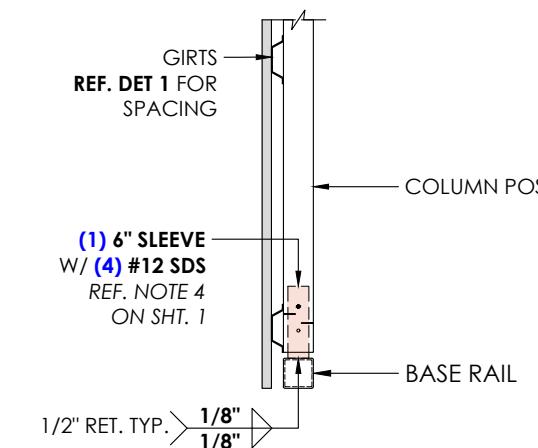
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GEORGE NAVARRO
 3565 WILLOW RD
 BETHEL ISLAND, CA 94511
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 3565 WILLOW RD
 BETHEL ISLAND, CA 94511
 REGISTERED PROFESSIONAL ENGINEER
 RAFAEL D. SALGADO
 GEORGE NAVARRO
 3565 WILLOW RD
 BETHEL ISLAND, CA 94511
 STATE OF CALIFORNIA

GEORGE NAVARRO
 3565 WILLOW RD
 BETHEL ISLAND, CA 94511
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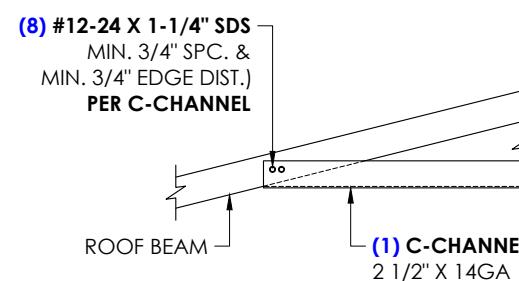
1 FRAME DETAIL
 SCALE: 3/4" : 1'



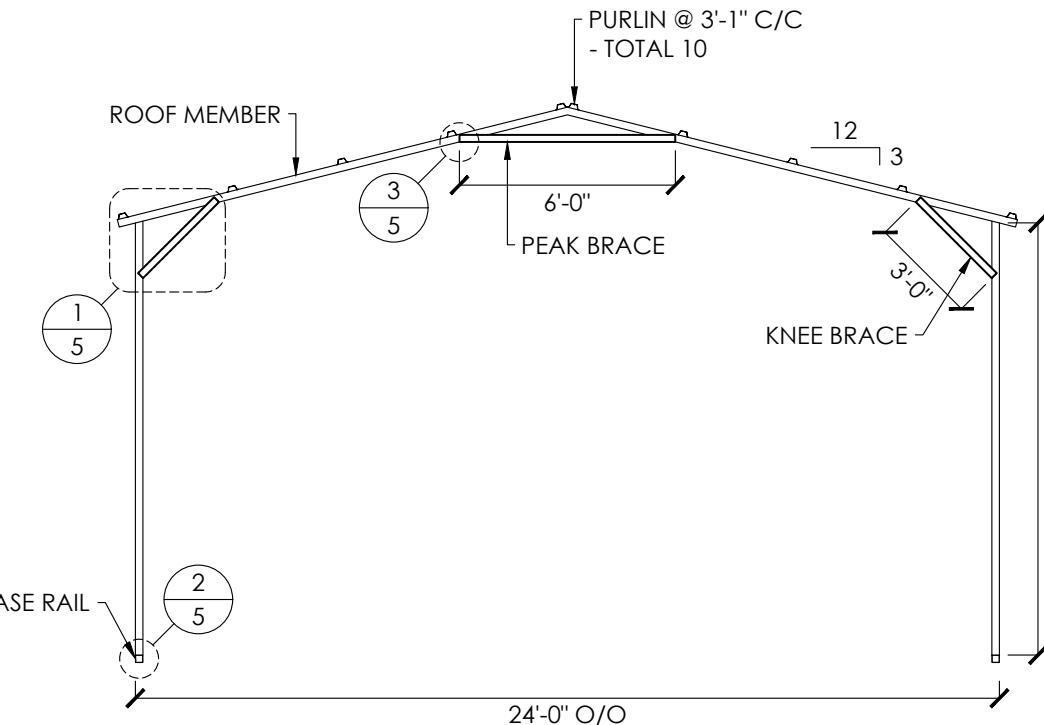
2 BASE DETAIL
 SCALE: 3/4" : 1'

MEMBER PROPERTIES	
COLUMN POST	2 1/2" SQ. X 14GA TUBE
ROOF MEMBER	2 1/2" SQ. X 14GA TUBE
BASE RAIL	2 1/2" SQ. X 14GA TUBE
PEAK BRACE	2 1/2" X 14GA CHANNEL
KNEE BRACE	2 1/2" X 14GA CHANNEL
CONNECTOR SLEEVE	2 1/4" SQ. X 12GA TUBE
GIRTS	4" X 1" X 14GA HAT CHANNEL
PURLINS	4" X 1" X 14GA HAT CHANNEL
SHEATHING FASTENER SCHEDULE	
LOCATION	CORNER PANEL
SPACING	9" CC
LOCATION	SIDE LAPS
SPACING	MIN. 1
LOCATION	EDGE LAPS
SPACING	4 1/2" CC
LOCATION	ELSEWHERE
SPACING	9" CC

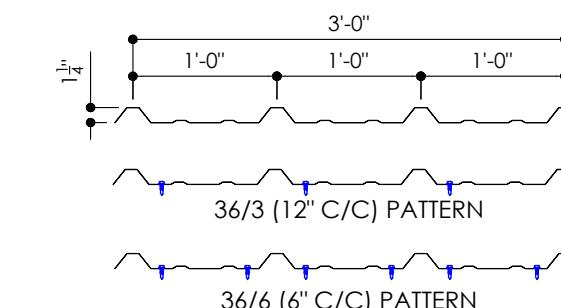
REF. DESIGN NOTE ON SHEET 2 FOR SHEATHING FASTENER TYPE.



3 PEAK BRACE DETAIL
 SCALE: 3/4" : 1'

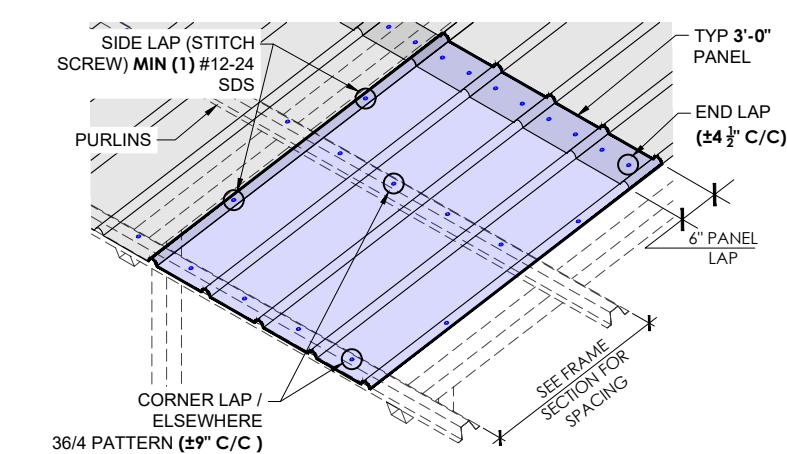


TYPICAL FRAME
 SCALE: 3/16" : 1'



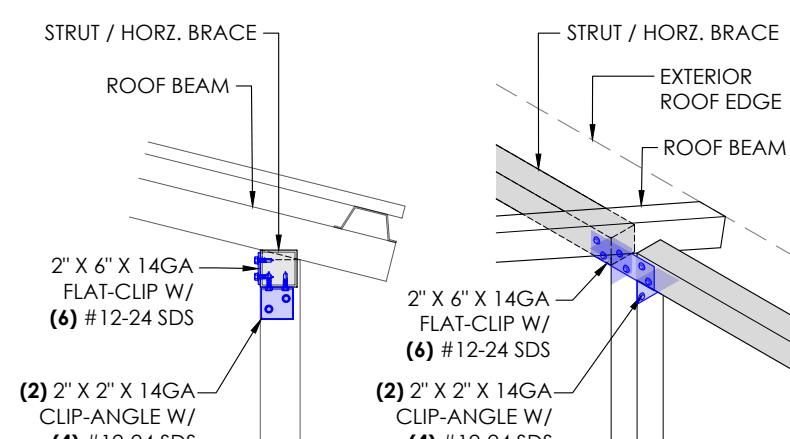
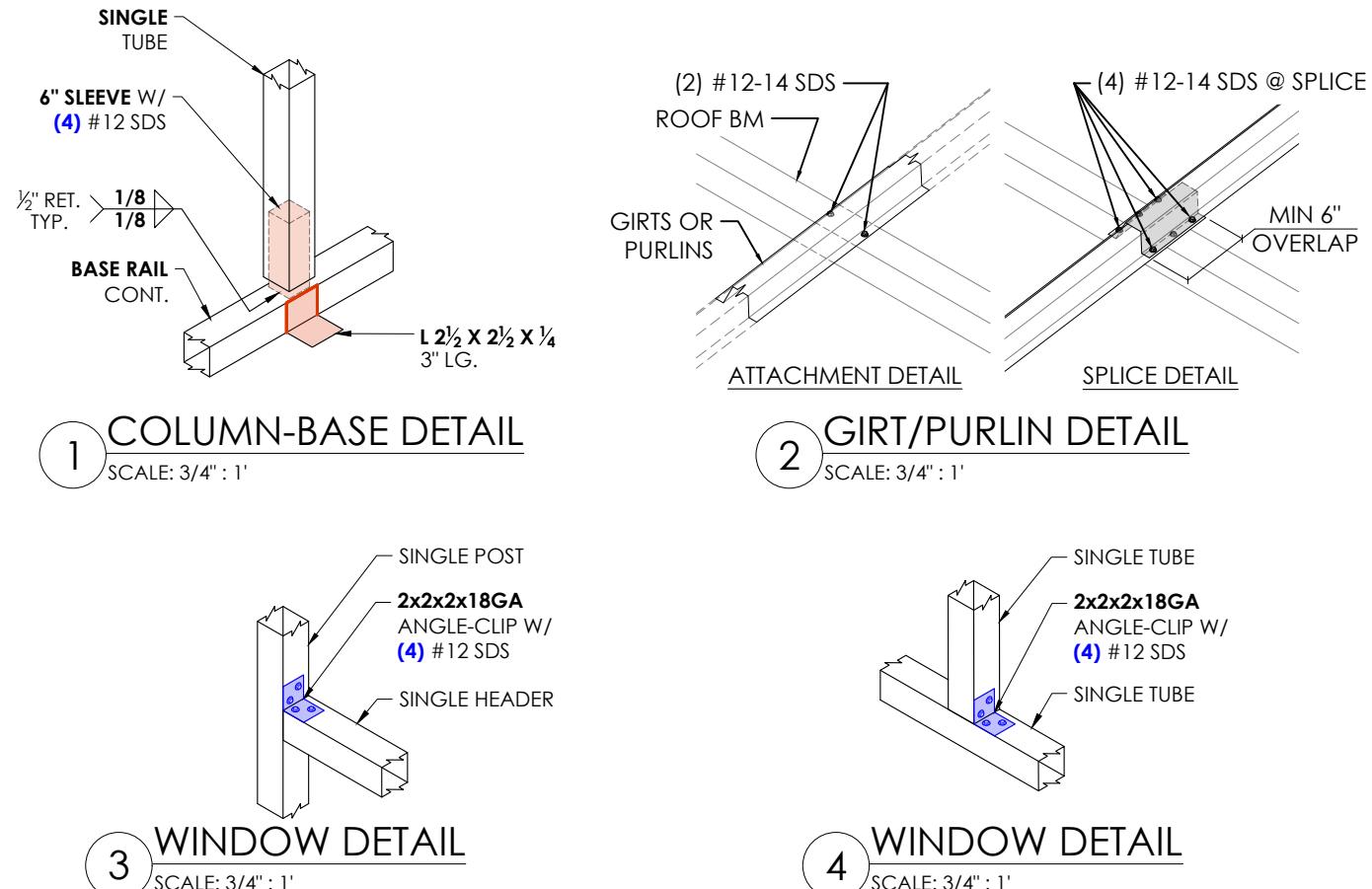
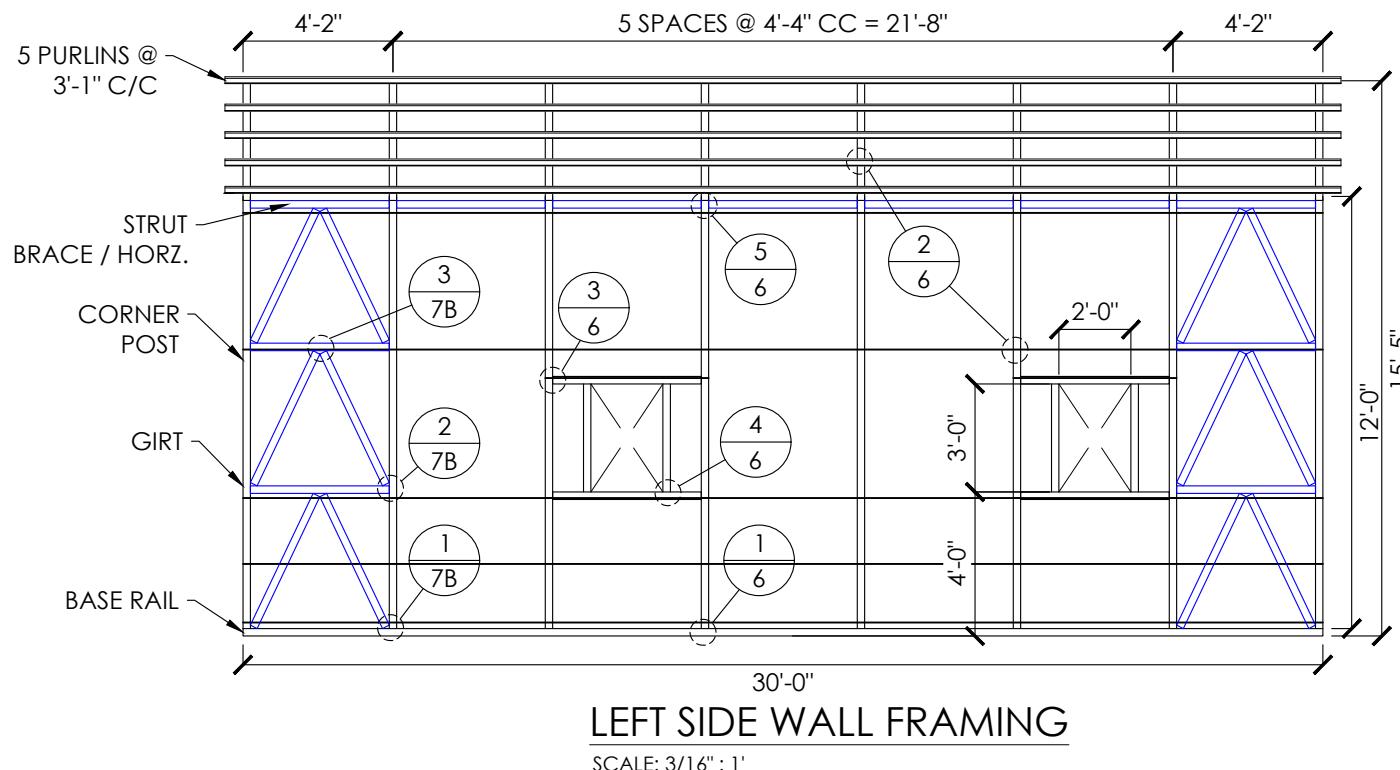
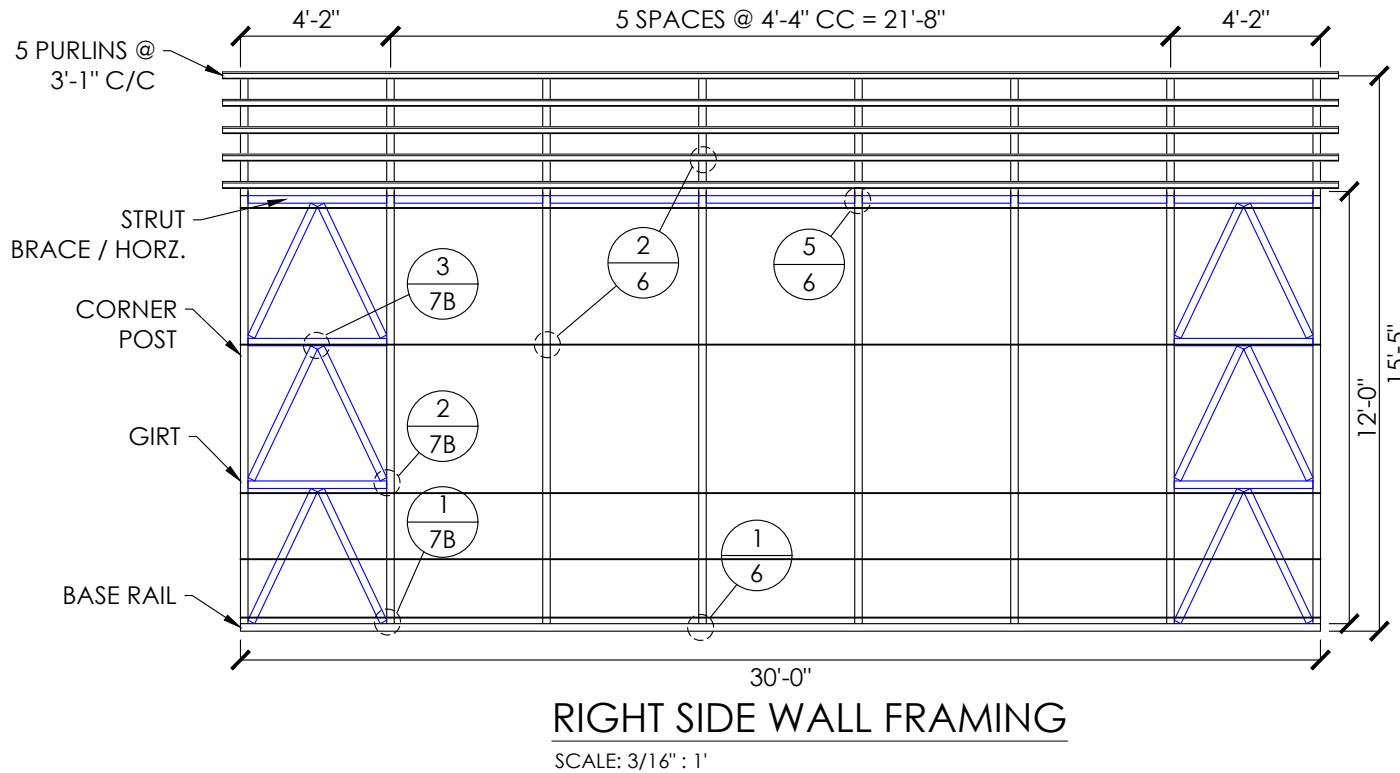
26GA. - 1 1/4" RIB - CORRUGATED SHEET

SCALE: 3/4" : 1'



SHEATHING FASTENER PATTERN

SCALE: 3/16" : 1'



5 STRUT BRACE DETAIL
 SCALE: 3/4": 1'

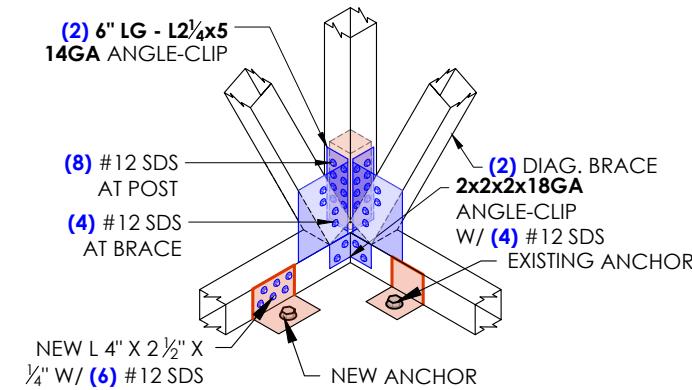
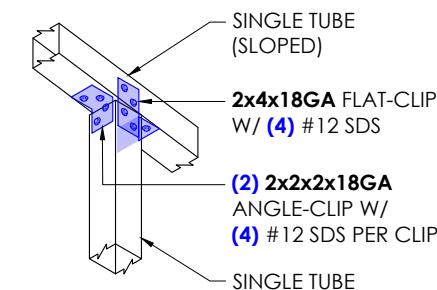
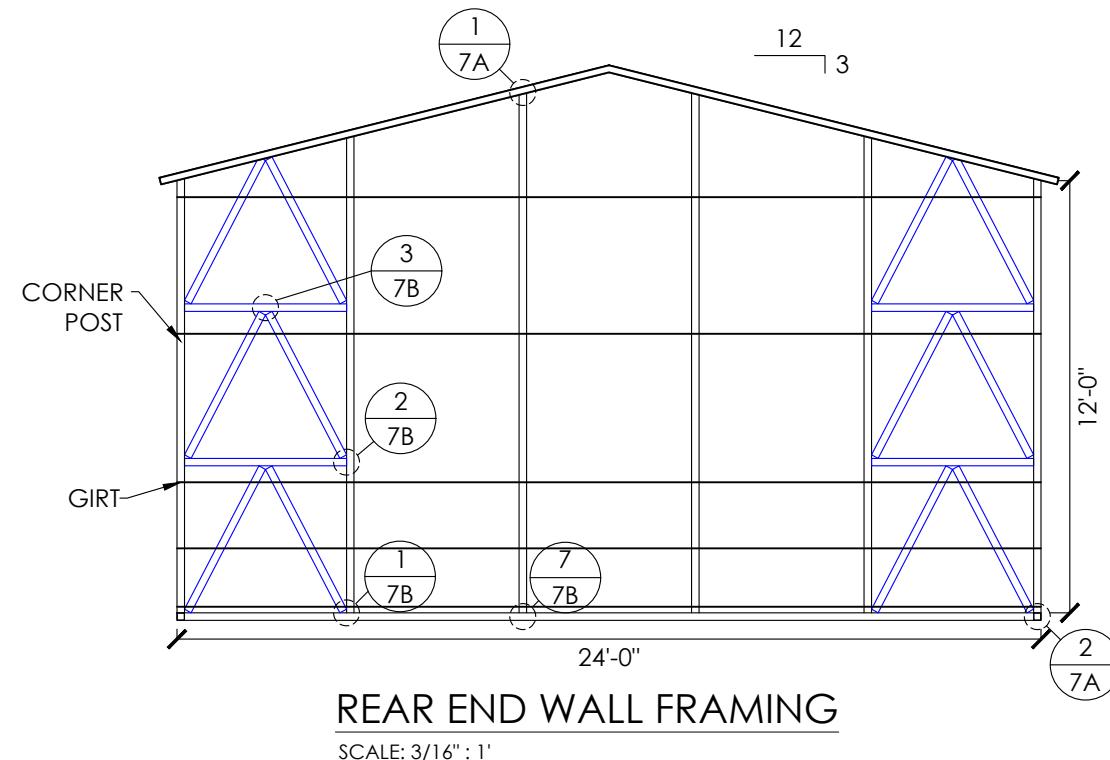
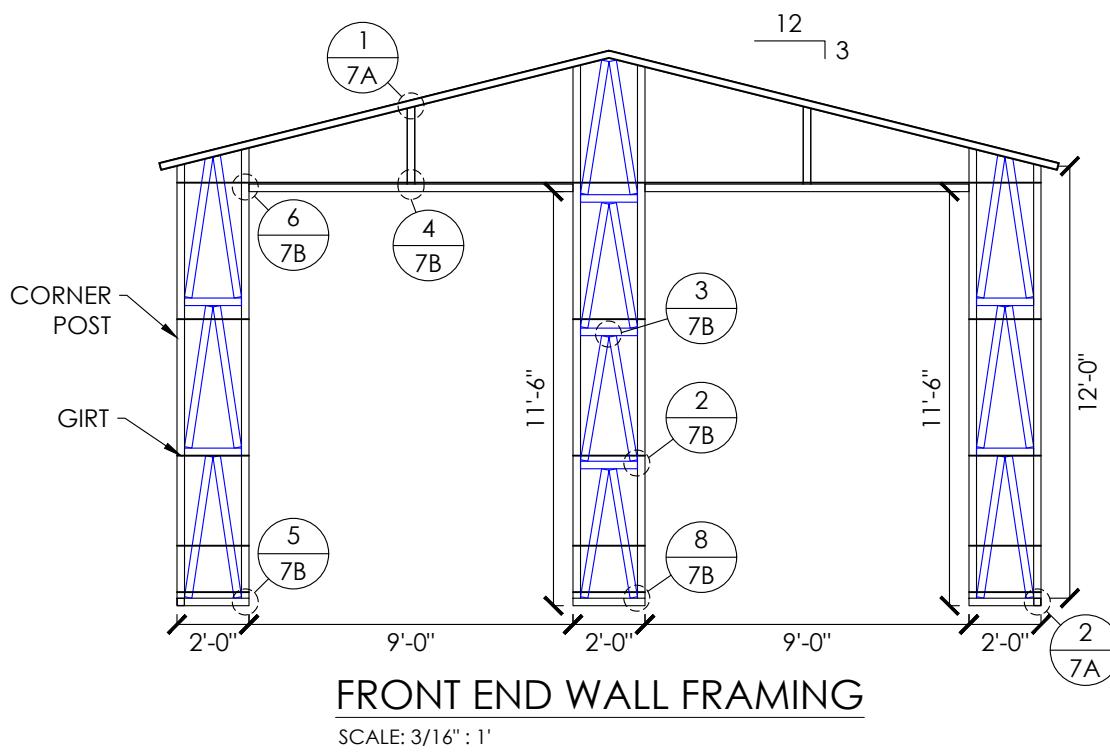
MEMBER PROPERTIES	
SIDE WALL POST	2 1/2" SQ. X 14GA TUBE
BASE RAIL	2 1/2" SQ. X 14GA TUBE
CONNECTOR SLEEVE	2 1/4" SQ. X 12GA TUBE
PURLINS	4" X 1" X 14GA HAT CHANNEL
GIRTS	4" X 1" X 14GA HAT CHANNEL
WINDOW POST	2 1/2" SQ. X 14GA TUBE
HORZ. BRACE	2 1/4" SQ. X 14GA TUBE
DIAGONAL BRACES	2" SQ. X 12GA TUBE

REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 RAFAEL D. SALGADO
 GEORGE NAVARRO
 3565 WILLOW RD
 BETHEL ISLAND, CA 94511
 STATE OF CALIFORNIA
 EXPIRES: 03/31/2026
 SIGNED: NOV 18 2024

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SHEET NO: 7A OF 7	
PROJECT NO: 232-24-3266	
DRAWN BY: A.F	DATE: 11/15/2024
LOCATION: 3565 WILLOW RD BETHEL ISLAND, CA 94511	
SHEET TITLE: END WALL FRAMING & DETAILS	PROJECT TITLE: GEORGE NAVARRO

MEMBER PROPERTIES	
CORNER POST	2 1/2" SQ. X 14GA TUBE
ROOF MEMBER	2 1/2" SQ. X 14GA TUBE
BASE RAIL	2 1/2" SQ. X 14GA TUBE
GIRTS	4" X 1" X 14GA HAT CHANNEL
HEADER	2 1/2" SQ. X 14GA TUBE
END WALL POSTS	2 1/2" SQ. X 14GA TUBE
DIAGONAL BRACES	2" SQ. X 12GA TUBE
HORZ. BRACE	2 1/4" SQ x 14GA TUBE



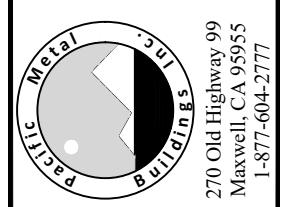
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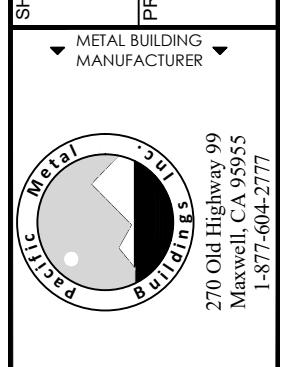
GEORGE NAVARRO
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SHEET NO: 7B OF 7	
PROJECT NO:	232-24-3266
DRAWN BY:	A.F
DATE:	11/15/2024



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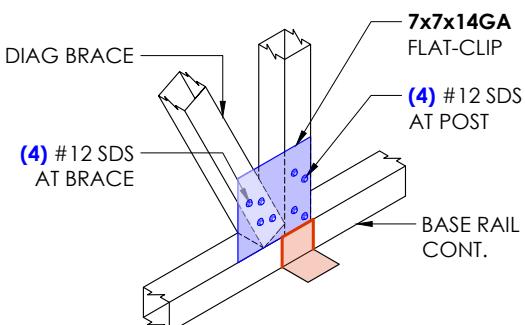
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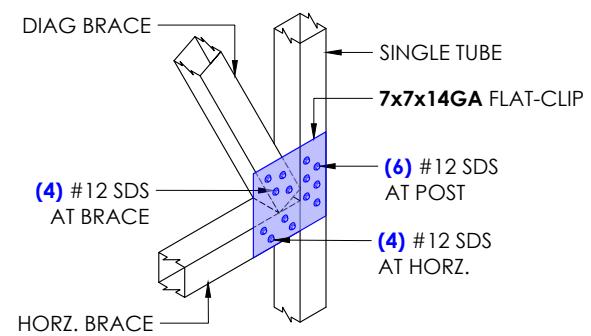
RAFAEL D. SALGADO
REGISTERED PROFESSIONAL ENGINEER
CIVIL
GEORGE NAVARRO
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BETHEL ISLAND, CA 94511

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3565 WILLOW RD
BETHEL ISLAND, CA 94511

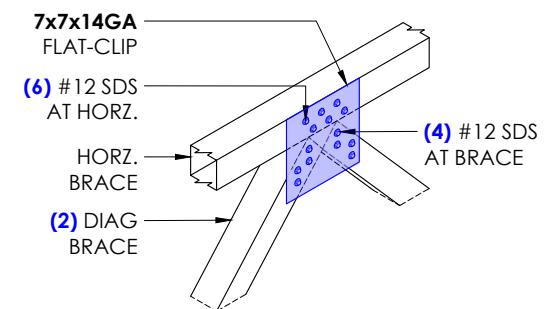
GEORGE NAVARRO
3565 WILLOW RD
BETHEL ISLAND, CA 94511
EXPIRES: 03/31/2026
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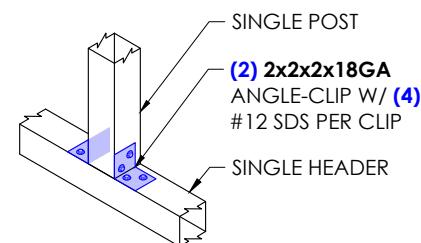
1 LATTICE BRACE DETAIL



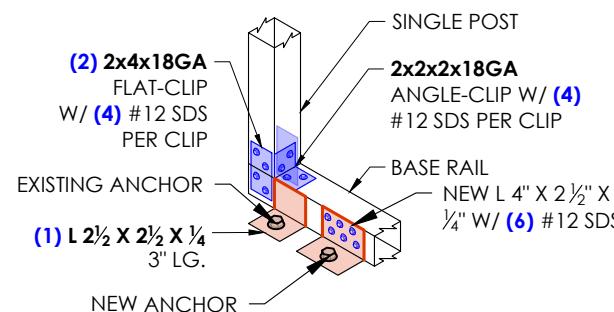
2 LATTICE BRACE DETAIL



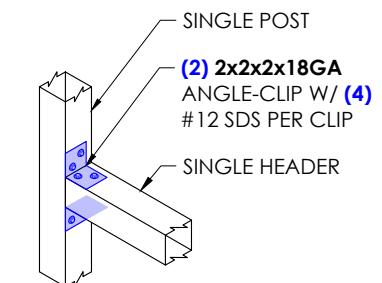
3 LATTICE BRACE DETAIL



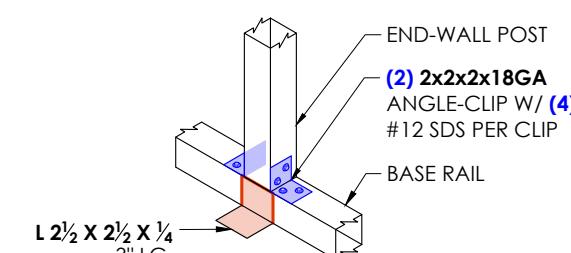
4 ABOVE HEADER DETAIL



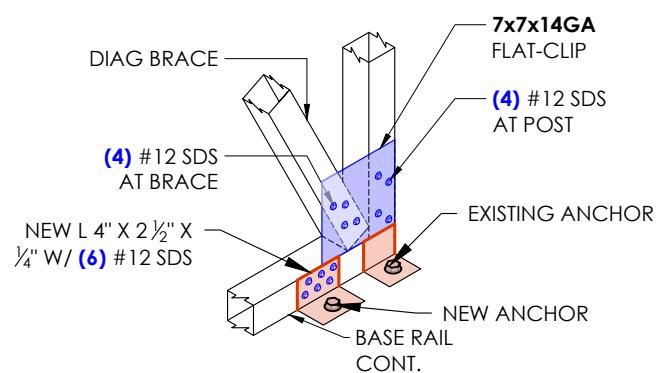
5 DOOR BASE DETAIL



6 DOOR HEADER DETAIL



7 COLUMN-BASE DETAIL



8 LATTICE BRACE DETAIL

END WALL FRAMING DETAILS

LOCATION:

3565 WILLOW RD
BETHEL ISLAND, CA 94511

PROJECT TITLE:

GEORGE NAVARRO

EXPIRES:

11/15/2024