NAHB National Association of Home Builders | Student Chapters

NAHB Student Competition
Secondary Programs
Honor Pledge

To the best of my knowledge and belief, the information used in my team's solution to the competition is in accordance with the rules and guidelines of the NAHB Student Chapters Competition. On my honor, I have neither given nor received unauthorized assistance in the completion of this project.

Team (School) Name: Shadows Ridge High School

Team Members:

Print Name	Signature
Emma Davis	Emma Davis
Sebastian St. Germain	
Ashton Buus	Ashton Buus
Brooke Harrison	Brooke Harrison
David Broach	David Broach

Alternate Members (Optional):

Print Name	Signature

Faculty Advisor/Coach:

Print Name	Signature
Yuri Buus	

This form is REQUIRED. Submit one (1) copy per team within your proposal submission.

PROJECT INFORMATION

SPECIFICATIONS

THE LAYOUT OF THIS FLOOR PLAN CONSISTS OF 2 BEDROOMS (INCLUDING THE MASTER BEDROOM), 2.5 BATHROOMS WITH 1 WETROOM, SMART SPACE, KITCHEN, DINING AREA, GREAT ROOM, DEN, FOYER, AND STORAGE WORKSHOP. EACH BEDROOM HAS A BATHROOM. ADDITIONAL FEATURES CONSIST OF A WALK-IN PANTRY IN KITCHEN, A COAT/LINEN CLOSET, AND AN EXTENDED COVERED PATIO.

THESE CONSTRUCTION DRAWINGS WERE DRAFTER BY SHADOW RIDGE HIGH SCHOOL'S ARCHITECTURE CLUB. DRAFTING WAS PERFORMED TO MEET THE AVERAGE CONDITIONS AND BUILDING CODES OF THE STATE OF CALIFORNIA.

ALL BUILDING CODES SHALL CONFIRM WITH ALL REQUIRED BUILDING CODES PROVIDED BY THE UNINCORPORATED TOWN OF NIPOMO, CALIFORNIA.

SQUARE FOOTAGE

THE SQUARE FOOTAGE OF THE HOUSE IS USING STANDARD CALCULATION METHODS BY REFERENCE OF THE EXTERIOR WALL.

TOTAL LIVABLE SPACE : 2736 SQ FT

ADDITIONAL NOTATIONS

REFERENCE THE CONSTRUCTION SCHEDULE AND THE BILL OF MATERIALS OR ANY INFORMATION THAT IS REGARDING PRICING FOR THE COSTS AND TIMELINE FOR THE DURATION OF THE PROJECT.

TEAM MEMBERS

EMMA DAVIS - TEAM CAPTAIN, MAIN DRAFTER, DOCUMENT REVISER

SEBASTIAN ST. GERMAIN - TEAM CAPTAIN, DRAFTER, DOCUMENT REVISER, 3D TEXTURED MODEL SPECIALIST

BROOKE HARRISON - DRAFTER, 3D SPECIALIST ASSIST

ASHTON BUUS - CONSTRUCTION SCHEDULIST, SECONDARY DRAFTER

DAVID BROACH - ESTIMATOR, SECONDARY DRAFTER



AREA

AREA CALCULATIONS

BUILDING AREA HEATED:

TOTAL AREA : 2736 SQ FT

TOTAL LIVING AREA : 2736 SQ FT

BUILDING AREA NON-HEATED:

+ PORCH : 61 SQ FT
+ 2 CAR GARAGE : 452 SQ FT
+ EXTENDED COVERED PATO : 381 SQ FT
+ STORAGE WORKSHOP : 123 SQ FT

TOTAL FLOOR AREA : 3178 SQ FT

PARKING

OWNER PARKING IS INCLUDED WITH A 2-CAR GARAGE AS WELL AS THE DRIVEWAY CONNECTING TO THE MAIN ROAD. ADDITIONAL PARKING MUST BE REVIEWED WITH SAN LUIS OBISPO COUNTY AND THE STATE OF CALIFORNIA.

INFORMATION

SAFETY

THE PLANS PROVIDED ARE TO BE ENSURED OF MAINTAINING A SAFETY REQUIREMENT AT A MINIMUM OF BUILDING CODE STANDARD MULTIPLE TRADE INSPECTIONS WILL TAKE PLACE THROUGHOUT THE BUILDING OF THE HOME. ALL WORKERS MUST FOLLOW NATIONAL BUILDING STANDARDS WHEN CONSTRUCTING THE MODEL.

FIRE HYDRANT ACCESSIBILITY AND EMERGENCY SERVICES ACCESSIBILITY MUST BE ENSURED IN ALL STAGES OF THE BUILDING PROCESS.

SPECIFICATIONS

ALL SPECIFICATIONS INCLUDED IN THE DRAWINGS SHALL BE FOLLOWED ACCORDINGLY. ALL LOCAL AND STATE SPECIFICATIONS THAT ARE APPLICABLE IN THE DRAWING ARE TO BE FOLLOWED ACCORDINGLY AS WELL.

IN PREPARATION OF THE HOME ALL FEATURES AND SPECIFICATIONS ARE TO BE REVIEWED WITH THE BUYER AND CONTRACTOR. ENSURE THAT PROPER MATERIALS AND DESIGN SELECTIONS WERE INCLUDED CORRECTLY BEFORE CONSTRUCTION. THE BUYER SHALL SIGN THE COMMUNITY GUIDELINE SHEET DEVELOPED BY SHEA HOMES TO CONFIRM ALL SELECTIONS.

ENFORCED CODES

CONSTRUCTION OBSERVATION REQUIRED

GENERAL CONTRACTOR IS REQUIRED TO SCHEDULE AND COORDINATE THE FOLLOWING MANDATORY CONSTRUCTION OBSERVATION SITE VISITS WITH ARCHITECT PRESENT. PROVIDE NOTICE TO ARCHITECT AT LEAST 48 HOURS PRIOR TO SUCH VISITS. PRIOR TO BEGINNING WORK, PROVIDE ARCHITECT AND OWNER WITH A CRITICAL PATH SCHEDULE SHOWING THE FOLLOWING CONSTRUCTION MILESTONES :

INITIALS	REQD	SITE VISIT MILESTONE
		PRE CONSTRUCTION SITE MEETING
		AFTER FINISH REMOVAL, PRIOR TO STRUCTURAL DEMOLITION
		ROUGH FRAMING
		WINDOW SELECTION, PRIOR TO ORDERING WINDOWS
		ROUGH ELECTRICAL, MOUNTED BOXES PRIOR TO PULLING WIRE
		FRAMING & INSULATION, PRIOR TO COVERING FRAMING WITH FINISHES

ADDITIONALLY, CONTRACTOR SHALL SCHEDULE A MANDATORY WALKTHRU WITH ARCHITECT AND OWNER PRESENT AT SUBSTANTIAL COMPLETION.

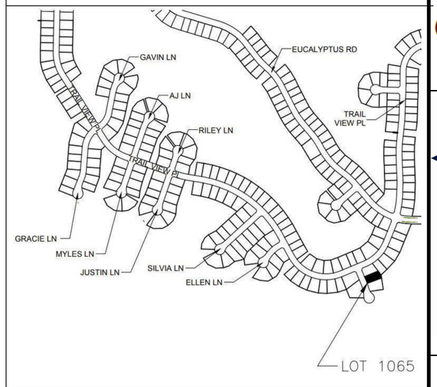
		SUBSTANTIAL COMPLETION PRIOR TO GRANTING OCCUPANCY

ARCHITECT'S INITIALS ARE REQUIRED TO THE LEFT OF EACH SITE LISTED PRIOR TO PROCEEDING WITH SUBSEQUENT WORK ADN INDICATE ONLY THAT ARCHITECT WAS PRESENT AND PROVIDED WITH THE OPPORTUNITY TO OBSERVE CONSTRUCTION AT THAT PHASE.

SHEET INDEX

CS	COVER SHEET
SP	SITE PLAN
ARCHITECTURAL	
A - 01	FLOOR PLAN A
A - 02	FLOOR PLAN B
A - 03	EXTERIOR ELEVATIONS 1&2
A - 04	EXTERIOR ELEVATIONS 3&4
ARCHITECTURAL DETAILS	
AD - 01	FLOOR PLAN SECTIONS
AD - 02	FRAMING DETAILS A
AD - 03	FRAMING DETAILS B
STRUCTURAL	
S - 01	FOUNDATION PLAN
S - 02	ROOF PLAN
S - 03	ROOF FRAMING
S - 04	FRAMING PLAN
CONSTRUCTION	
C - 01	GANTT CHART
C - 02	BILL OF MATERIALS

VICINITY MAP



SEISMIC AND WEATHER INFO FOR NIPOMO, CALIFORNIA

- 17" OF RAINFALL PER YEAR
- 0" OF SNOWFALL PER YEAR
- 289 SUNNY DAYS PER YEAR
- LOW & COMFORTABLE HUMIDITY
- VERY LOW RISK OF HURRICANE

CS COVER SHEET

APPROVED: YURI BUUS
CHECKED BY: EMMA DAVIS

SECTION LETTER A / PAGE NUMBERS 1.1

SCALE: As Noted
DRAWN BY: SEBASTIAN ST. GERMAIN
DATE: Friday, December 16, 2022

SHADOW RIDGE HIGH SCHOOL

SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE

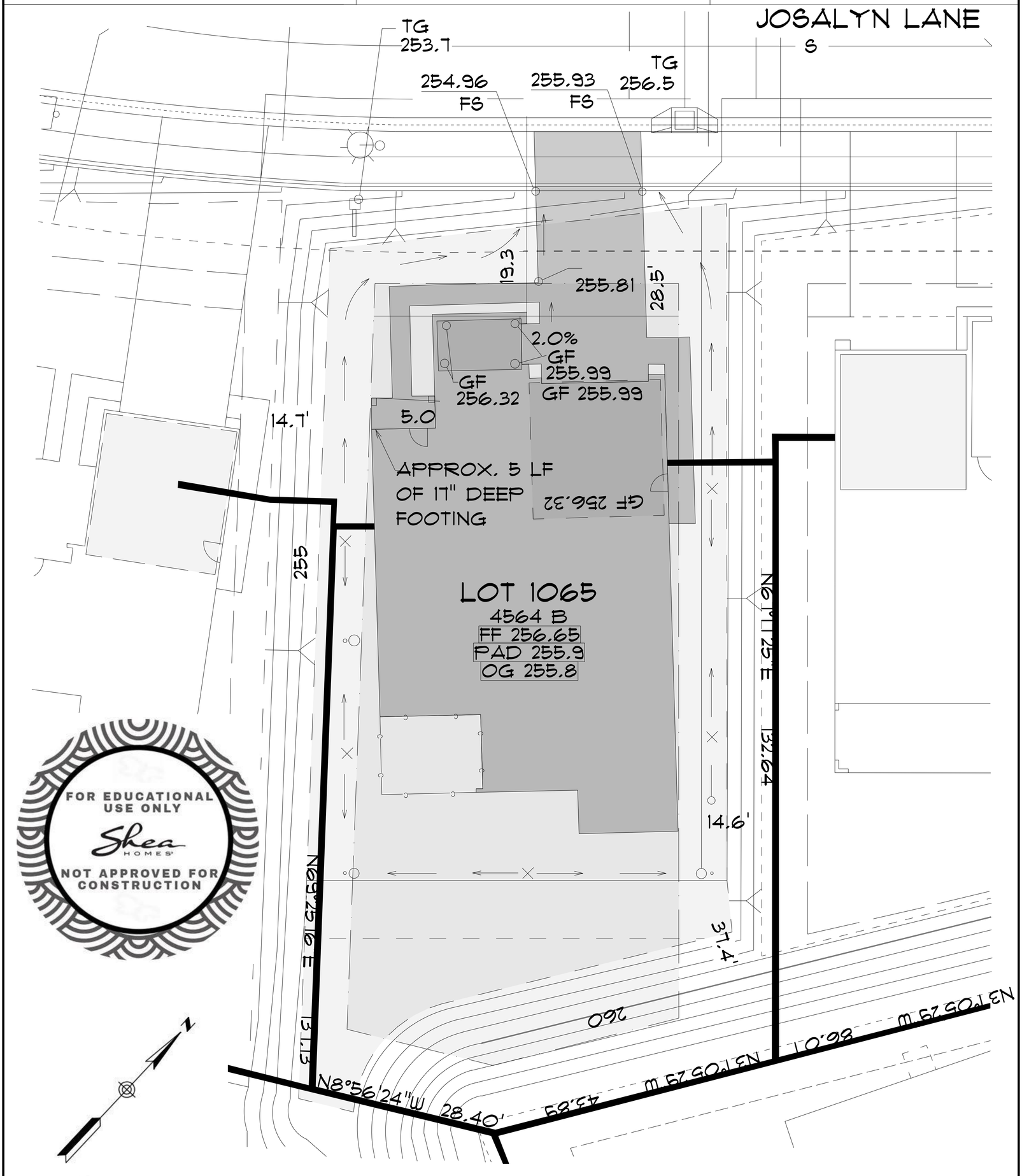
Cover Sheet 2023

SHADOW RIDGE
CONTACT INFORMATION:
10909 N PERRYVILLE RD
SURPRISE, AZ 85388
PHONE: (623) 522-5100
FAX:
MOBILE: (623) 522-5100

STANDARD NOTES

1. GROUND IMMEDIATELY OUTSIDE OF BUILDING SHALL BE SLOPED 5% AWAY FROM FOUNDATION FOR A MIN DISTANCE OF 10', IF 10' CANNOT BE ACHIEVED DRAINAGE SWALES MAY BE USED TO CONVEY DRAINAGE (MIN. SLOPE OF SWALES WITHIN 10' OF BUILDING IS 2%)
2. ALL GROUND AND DRAINAGE SHALL CONFORM TO SECTION 1803.3 OF THE 2016 C.B.C..
3. WORK IN THE PUBLIC R/W REQUIRES AN ENCROACHMENT PERMIT FROM THE DEPARTMENT OF PUBLICWORKS
4. SIDE YARD IMPROVEMENTS SHALL NOT OBSTRUCT DRAINAGE.
5. SWALE FLOWLINESS OUTSIDE OF THE 10' BUILDING ENVELOPE SHALL BE SLOPED AT 1% MIN..
6. SETBACK FROM P/L TO TOP OR TOW OF SLOPE SHALL BE 2' MIN..
7. SIDEWALK SHALL NOT EXCEED 2% CROSS SLOE UNLESS APPROVED BY THE ENGINEER.
8. OWNER/CONTRACTOR SHALL VERIFY THAT FINAL GRADING IS IN CONFORMANCE W/ PLAN PRIOR TO FINAL INSPECTION.
9. INFO INDICATED ON THIS DRAWING IS SPECIFIC TO THIS LOT ONLY. NEIGHBORING PROPERTY INFO MAY BE SUBJECT TO CHANGE.
10. OWNER/CONTRACTOR TO VERIFY PRODUCT TYPE & PLACEMENT.
11. STANDARD FOOTING DEPTHS APPLY UNLESS OTHERWISE NOTED.

Trilogy®
by SHEA HOMES



FOR EDUCATIONAL USE ONLY
Shea HOMES
NOT APPROVED FOR CONSTRUCTION

20 10 0 20

GRAPHIC SCALE: 1"=20'

NOTE: UPSTREAM SEWER MANHOLE RIM ELEVATION IS 248.85

SITE PLAN 2023 SHADOW RIDGE CONTACT INFORMATION: 10909 N PERRYVILLE RD SURPRISE, AZ 85388 PHONE:(623) 523-5100 FAX: MOBILE:(623) 523-5100	SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE	SHADOW RIDGE HIGH SCHOOL	SCALE: 0.3906" = 1'-0" DRAWN BY: SEBASTIAN ST. GERMAIN DATE: Wednesday, December 14, 2022	A 1 1 SECTION LETTER / PAGE NUMBERS	APPROVED: YURI BUUS CHECKED BY: EMMA DAVIS	SP SITE PLAN

GENERAL NOTES:

- REFER TO STRUCTURAL DRAWINGS IN THIS PLAN SET FOR STRUCTURAL INFORMATION, REQUIREMENTS, AND DETAILS

- INTERIOR PARTITIONS: 2X4 STUDS, 16" O.C. 1/2" DRYWALL, TAPED AND SANDED, R-15 BATT INSULATION

- NOTE THAT ALL WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALE

- ALL UTILITIES ARE STUBBED 5' INTO THE LOT LOCATION FOR CONNECTION

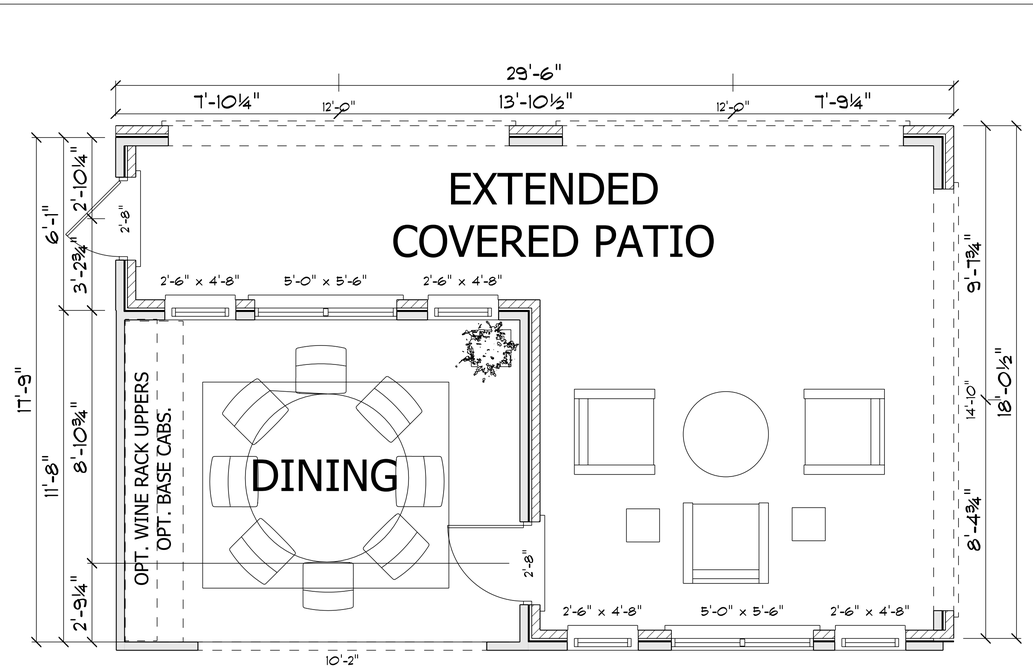
- REFER TO SITE PLAN FOR EASEMENTS AND SETBACKS

- ALLOW FOR PLUMBING WALLS

FEATURES:

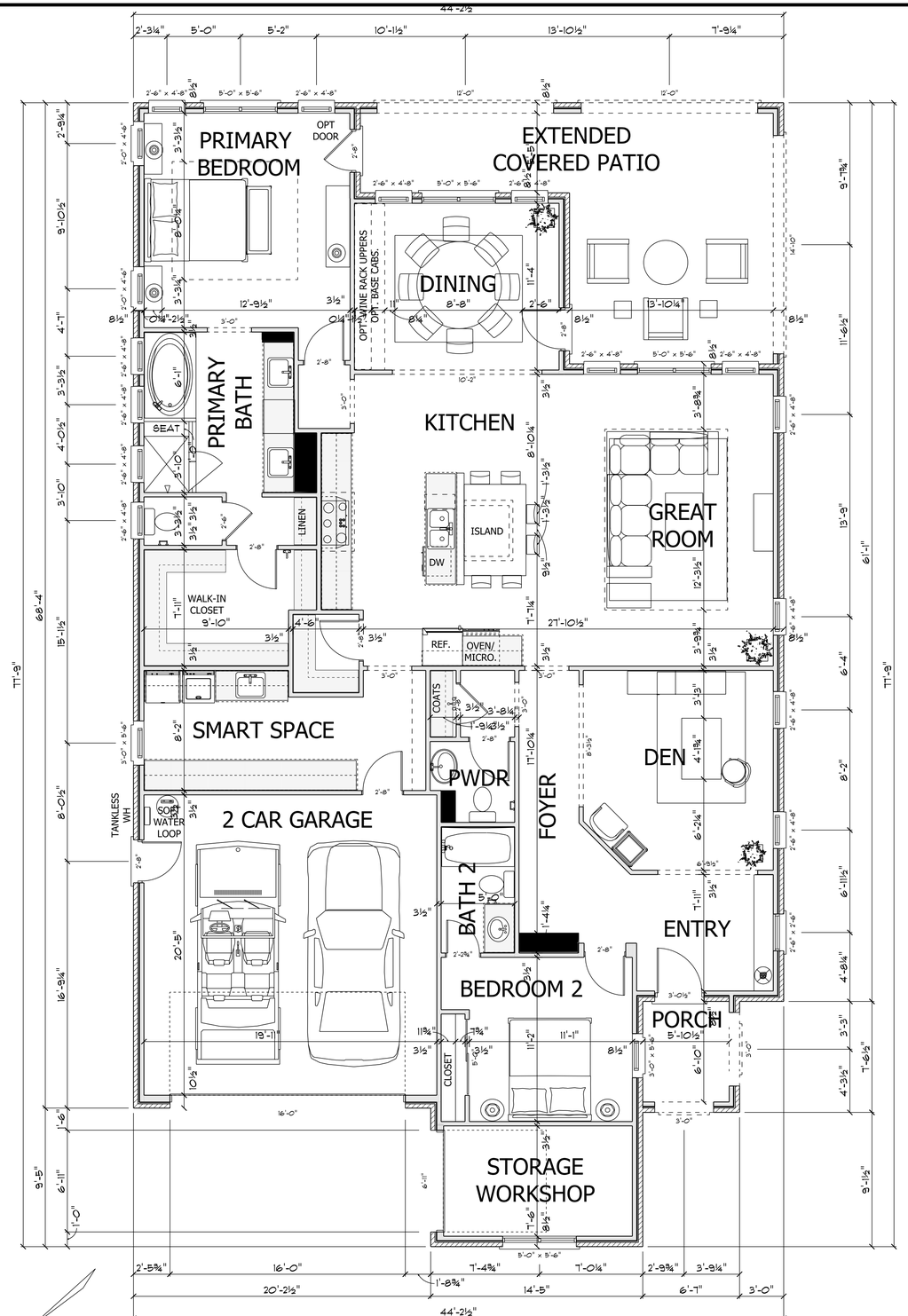
- SELECTED OPTIONS: EXTENDED COVERED PATIO, SMART SPACE

- INCLUDED: 2 1/2 BATHS, 2 BEDROOMS, STORAGE WORKSHOP, DEN, 2-CAR GARAGE, DINING ROOM



GENOVA FLOORPLAN SECTION C

SCALE: 3/8" = 1'-0"



GENOVA FLOORPLAN V1

SCALE: 1/4 = 1'-0"

A - 01

Floorplan V1

APPROVED: Yuri Buus

CHECKED BY: Sebastian St. Germain — Genova

SECTION LETTER: A — PAGE NUMBERS: 11

SCALE: As Noted

DRAWN BY: EMMA DAVIS

DATE: Thursday, December 15, 2022

SHADOW RIDGE HIGH SCHOOL

SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE

NAHB 22-23 Competition Emma Davis
SHADOW RIDGE
CONTACT INFORMATION:
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SURPRISE, AZ 85388
PHONE: (623) 523-5100
FAX:
MOBILE: (623) 523-5100

GENERAL NOTES:

- REFER TO STRUCTURAL DRAWINGS IN THIS PLAN SET FOR STRUCTURAL INFORMATION, REQUIREMENTS, AND DETAILS

- INTERIOR PARTITIONS: 2X4 STUDS, 16" O.C. 1/2" DRYWALL, TAPED AND SANDED, R-15 BATT INSULATION

- NOTE THAT ALL WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALE

- ALL UTILITIES ARE STUBBED 5' INTO THE LOT LOCATION FOR CONNECTION

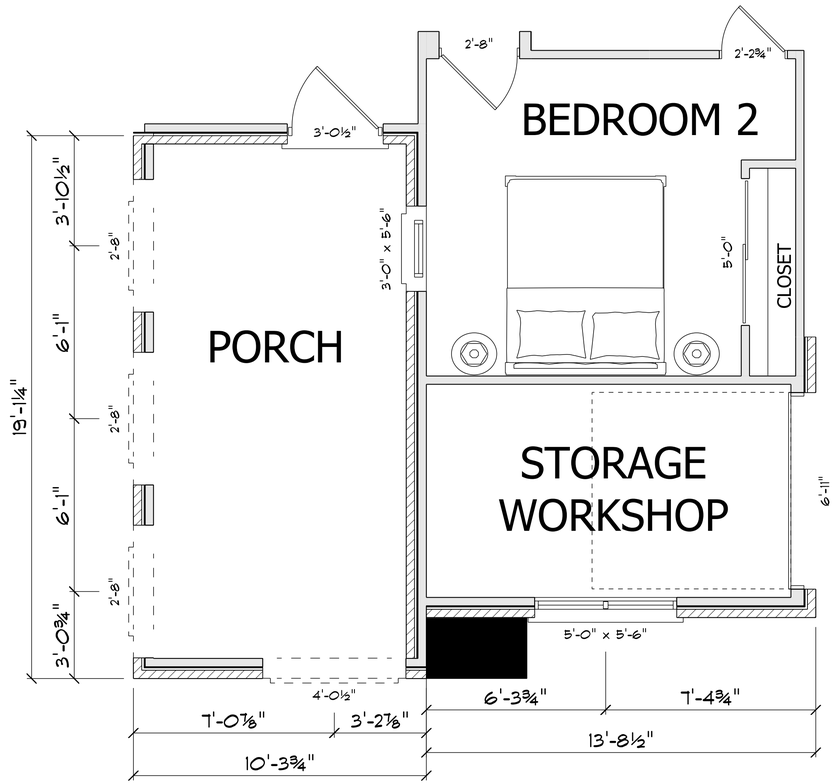
- REFER TO SITE PLAN FOR EASEMENTS AND SETBACKS

- ALLOW FOR PLUMBING WALLS

FEATURES:

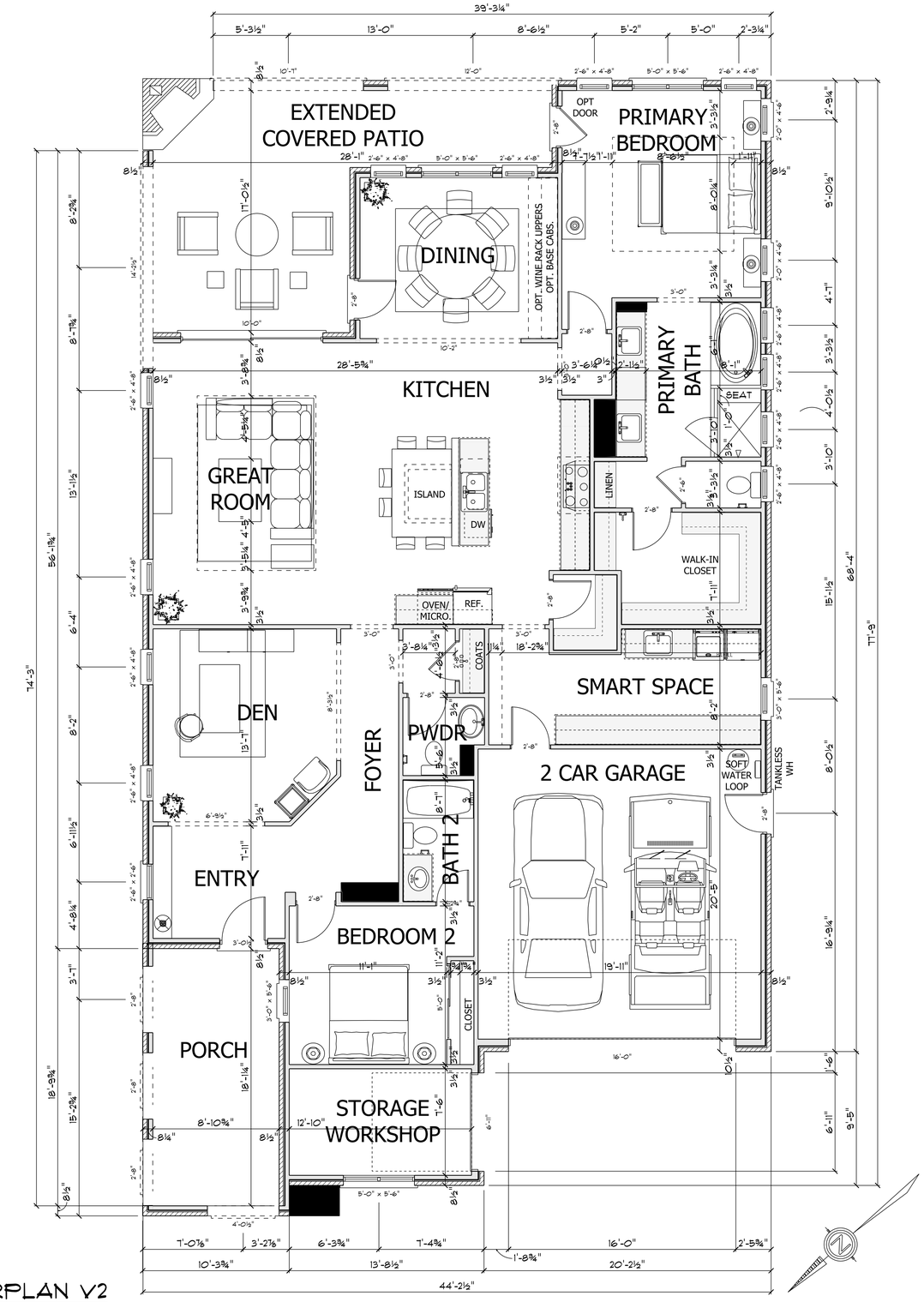
- SELECTED OPTIONS: EXTENDED COVERED PATIO, CORNER FIREPLACE AT EXTENDED COVERED PATIO, SMART SPACE, 12080 MULTI-SLIDE STACKING DOORS AT GREAT ROOM

- INCLUDED: 2 1/2 BATHS, 2 BEDROOMS, STORAGE WORKSHOP, DEN, 2-CAR GARAGE, DINING ROOM



GENOVA FLOORPLAN SECTION B

SCALE: 3/8" = 1'-0"



GENOVA FLOORPLAN V2

SCALE: 0.2188" = 1'-0"

NAHB 22-23 Competition Emma Davis
SHADOW RIDGE
CONTACT INFORMATION:
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SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE

SHADOW RIDGE HIGH SCHOOL

SCALE: As Noted
DRAWN BY: EMMA DAVIS
DATE: Thursday, December 15, 2022

SECTION LETTER A
PAGE NUMBERS 11

APPROVED: Yuri Buus
CHECKED BY: Sebastian St. Germain

A - 02

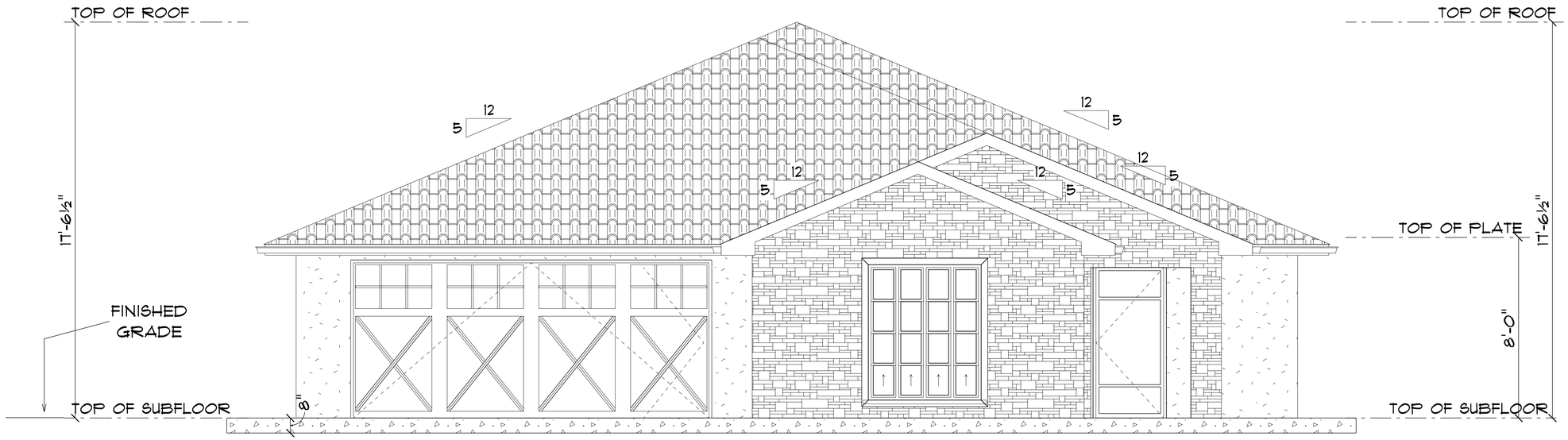
Floorplan V2

GENERAL NOTES:

- REFER TO ADDITIONAL NOTES AND DRAWINGS IN THIS PLAN SET FOR ANY OTHER REQUIREMENTS, RULES, AND SPECIFICATIONS, ANY RETURNS OR BLIND ELEVATIONS NOT DEPICTED SHALL BE SIMILAR IN MATERIAL AND MAKEUP TO ADJACENT CONDITIONS
- FIBER CEMENT SIDING & BRICK VENEER
- NOTE THAT ALL WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALE
- MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION OF MATERIALS SHALL BE FOLLOWED
- GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION

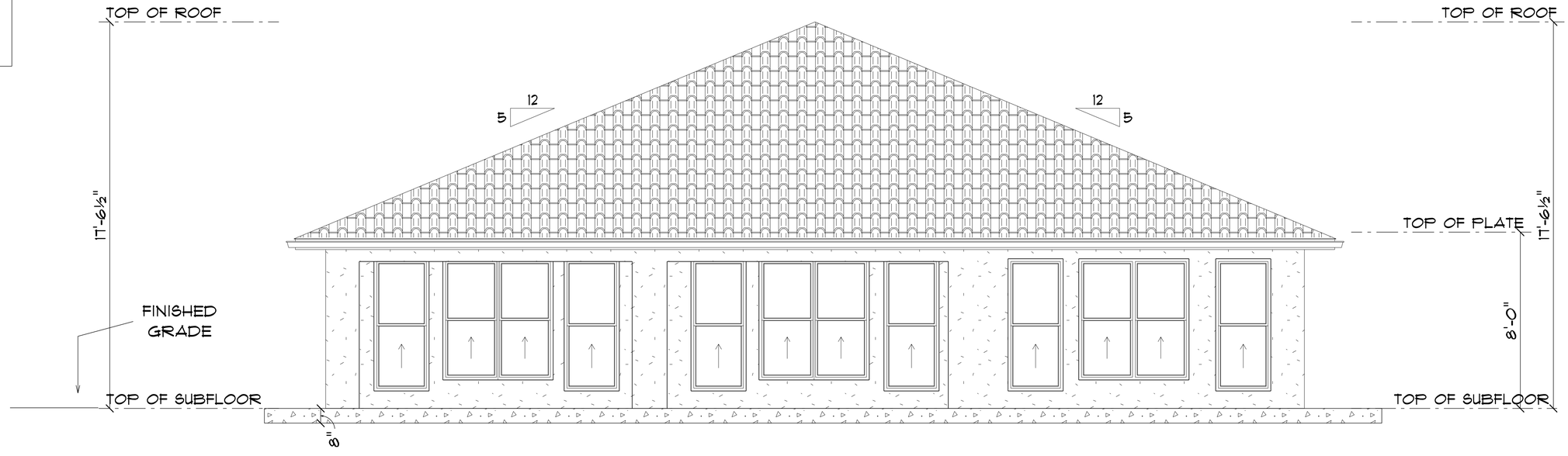
FEATURES:

- EXTENDED COVERED PATIO
- EXTERIOR ELEVATION D



FRONT ELEVATION

SCALE: 3/8" = 1'-0"



BACK ELEVATION

SCALE: 3/8" = 1'-0"

A - 03
EXTERIOR ELEVATIONS 1&2

APPROVED: Yuri Buus
CHECKED BY: Sebastian St. Germain

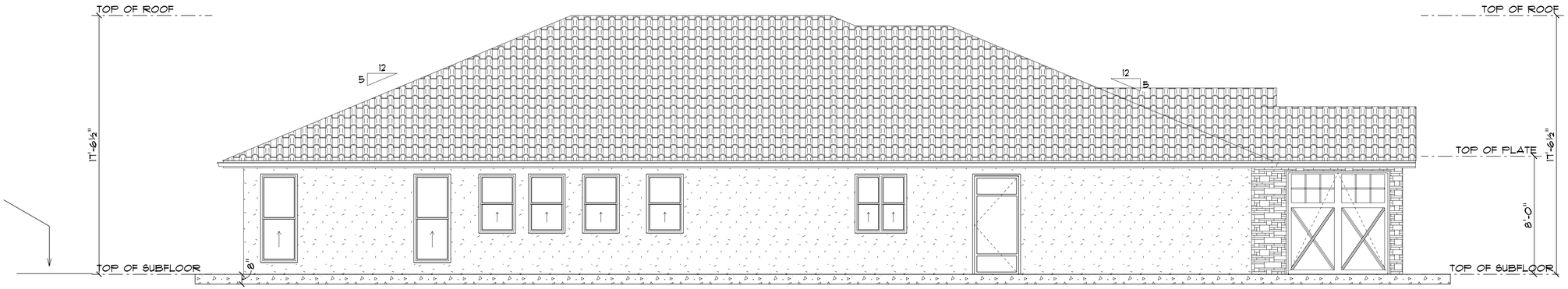
SECTION LETTER A
PAGE NUMBERS 1 1

SCALE: As Noted
DRAWN BY: BROOKE HARRISON
DATE: Friday, December 16, 2022

SHADOW RIDGE HIGH SCHOOL

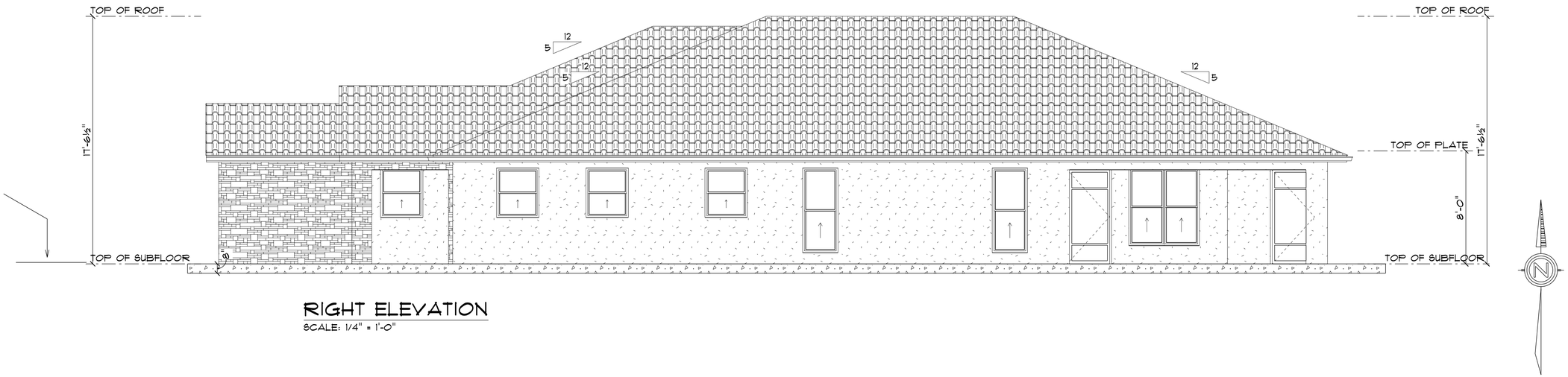
SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE

HARRISON TRILOGY AT MONARCH DUNES
SHADOW RIDGE
CONTACT INFORMATION:
2309 N FERRYVILLE RD
SURPRISE, AZ 85388
PHONE (623) 523-5100
FAX:
MOBILE (623) 523-5100



LEFT ELEVATION

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



RIGHT ELEVATION

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

GENERAL NOTES:

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- FIBER CEMENT SIDING & BRICK VENEER
- NOTE THAT ALL WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALE
- MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION OF MATERIALS SHALL BE FOLLOWED
- GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION

FEATURES:

- EXTENDED COVERED PATIO
- EXTERIOR ELEVATION D

A - 04

EXTERIOR ELEVATIONS 3&4

APPROVED: Yuri Buus

CHECKED BY: Sebastian St. Germain

SECTION LETTER A

PAGE NUMBERS 1

SCALE: As Noted

DRAWN BY: BROOKE HARRISON

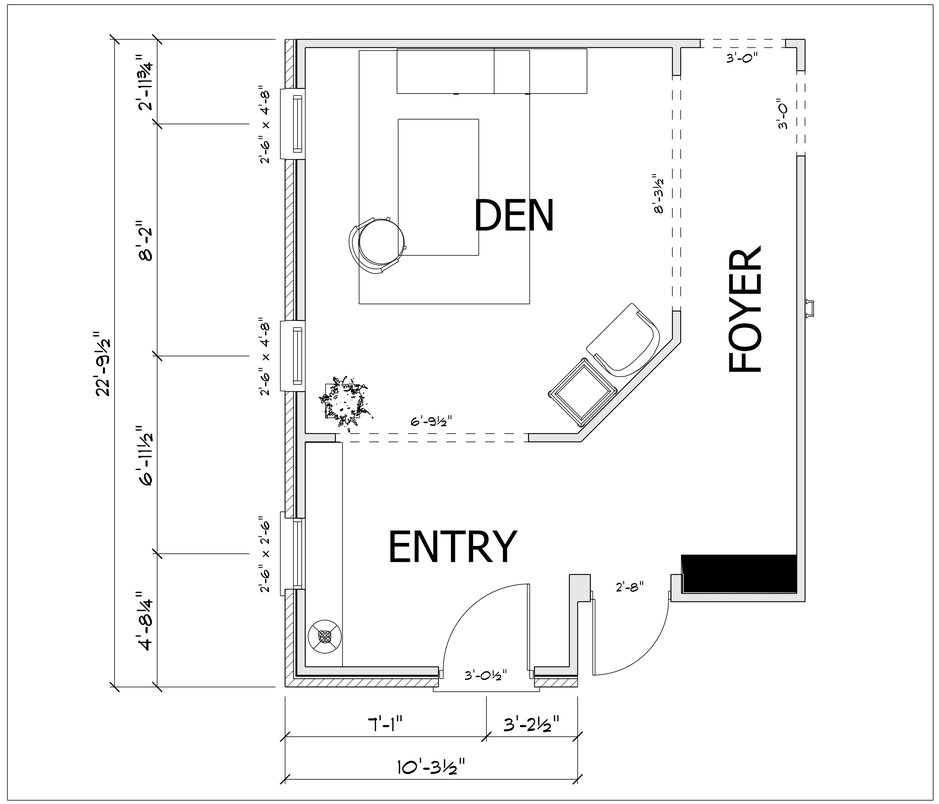
DATE: Friday, December 16, 2022

SHADOW RIDGE HIGH SCHOOL

SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE

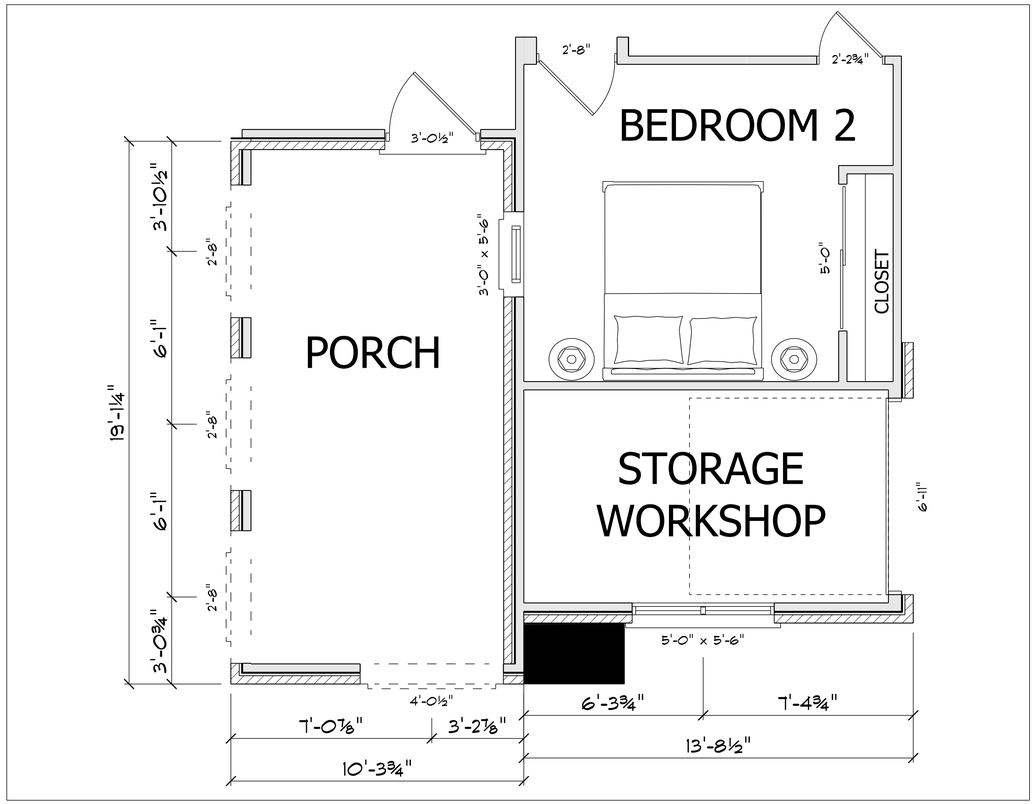
HARRISON TRILOGY AT MONARCH DUNES

SHADOW RIDGE
CONTACT INFORMATION:
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SURPRISE, AZ 85388
PHONE: (623) 523-5100
FAX:
MOBILE: (623) 523-5100



GENOVA FLOORPLAN SECTION A

SCALE: 3/8" = 1'-0"



GENOVA FLOORPLAN SECTION B

SCALE: 3/8" = 1'-0"

GENERAL NOTES:

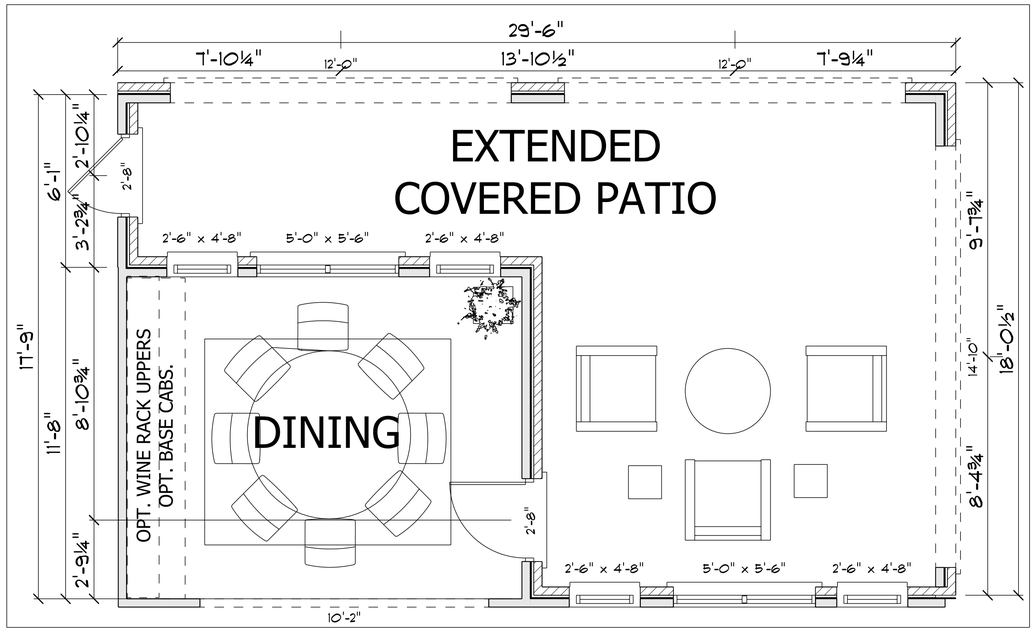
- SECTIONS C REFERS TO GENOVA FLOORPLAN V1 INCLUDING THE SMART SPACE AND EXTENDED COVERED PATIO

- SECTION A & B REFER TO GENOVA FLOORPAN V2 INCLUDING EXTENDED COVERED PATIO, CORNER FIREPLACE AT EXTENDED COVERED PATIO, SMART SPACE, 12080 MULTI-SLIDE STACKING DOORS AT GREAT ROOM

- REFER TO STRUCTURAL DRAWINGS IN THIS PLAN SET FOR STRUCTURAL INFORMATION, REQUIREMENTS, AND DETAILS.

- ALL INTERIOR PARTITIONS: 2X4 STUDS (UNLESS NOTED OTHERWISE), 16" O.C. 1/2" DRYWALL, TAPED AND SANDED, R-15 BATT INSULATION

- NOTE THAT ALL WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALE



GENOVA FLOORPLAN SECTION C

SCALE: 3/8" = 1'-0"

AD - 01

Floorplan Sections

APPROVED: Yuri Buus

CHECKED BY: Sebastian St. Germain

SECTION LETTER: A

PAGE NUMBERS: 1 1

SCALE: As Noted

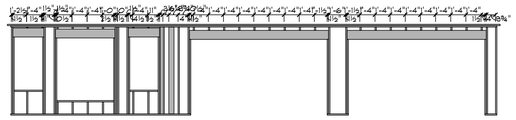
DRAWN BY: EMMA DAVIS

DATE: Thursday, December 15, 2022

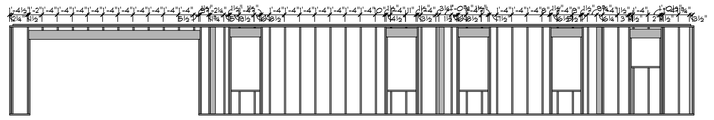
SHADOW RIDGE HIGH SCHOOL

SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE

NAHB 22-23 Competition Emma Davis
SHADOW RIDGE
CONTACT INFORMATION:
10909 N PERRYVILLE RD
SURPRISE, AZ 85388
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FAX:
MOBILE: (623) 523-5100



2x4 WALL NO. 1



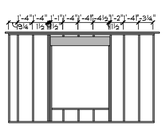
2x4 WALL NO. 2



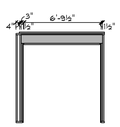
2x4 WALL NO. 3



2x4 WALL NO. 4



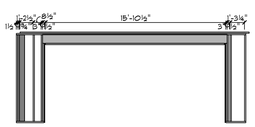
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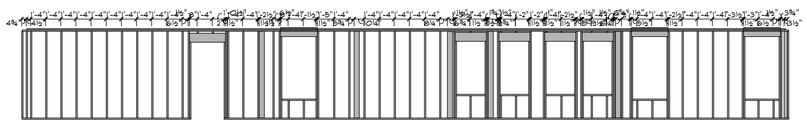
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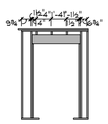
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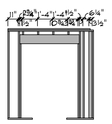
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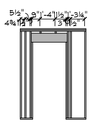
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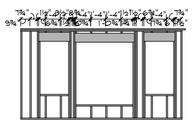
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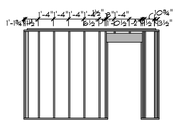
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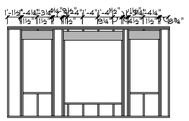
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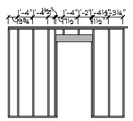
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2x4 WALL NO. 14



2x4 WALL NO. 15



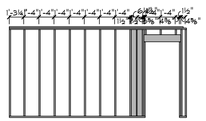
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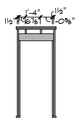
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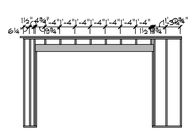
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2x4 WALL NO. 19



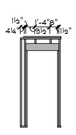
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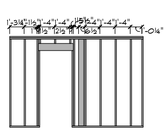
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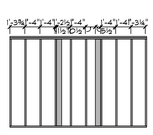
2x4 WALL NO. 22



2x4 WALL NO. 23



2x4 WALL NO. 24



2x4 WALL NO. 25



2x4 WALL NO. 26

GENERAL NOTES:

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GENOVA WALL PANEL FRAMING A

SCALE: 1/4 = 1'0"

AD - 02

Framing Details A

APPROVED: Yuri Buus

CHECKED BY: Sebastian St. Germain

SECTION LETTER A

PAGE NUMBERS 11

SCALE: As Noted

DRAWN BY: EMMA DAVIS

DATE: Thursday, December 15, 2022

SHADOW RIDGE HIGH SCHOOL

SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE

NAHB 22-23 Competition Emma Davis

SHADOW RIDGE

CONTACT INFORMATION:

10909 N PERRYVILLE RD

SURPRISE, AZ 85388

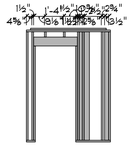
PHONE: (623) 523-5100

FAX:

MOBILE: (623) 523-5100



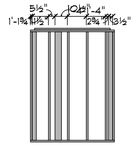
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2x4 WALL NO. 28



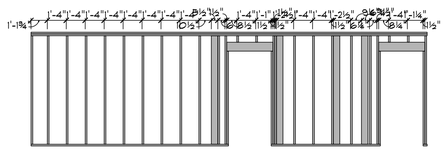
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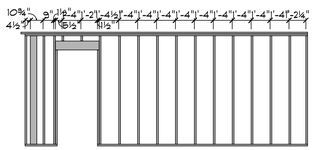
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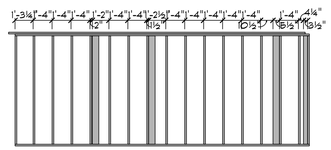
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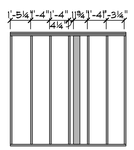
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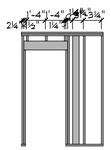
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2x4 WALL NO. 34



2x4 WALL NO. 35



2x4 WALL NO. 36



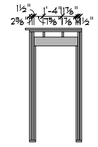
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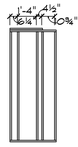
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2x4 WALL NO. 39



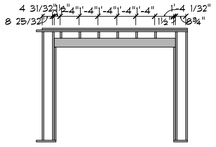
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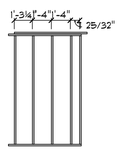
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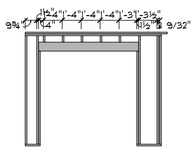
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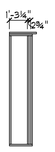
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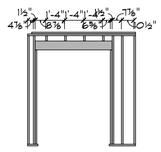
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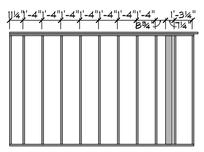
2x4 WALL NO. 45



2x4 WALL NO. 46



2x4 WALL NO. 47



2x4 WALL NO. 48



2x4 WALL NO. 49

GENERAL NOTES:

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GENOVA WALL PANEL FRAMING B

SCALE: 1/4 = 1'0"

AD - 03

Framing Details B

APPROVED: Yuri Buus

CHECKED BY: Sebastian St. Germain

SECTION LETTER A

PAGE NUMBERS 11

SCALE: As Noted

DRAWN BY: EMMA DAVIS

DATE: Thursday, December 15, 2022

SHADOW RIDGE HIGH SCHOOL

SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE

NAHB 22-23 Competition Emma Davis
SHADOW RIDGE
CONTACT INFORMATION:
10909 N PERRYVILLE RD
SURPRISE, AZ 85388
PHONE: (623) 523-5100
FAX:
MOBILE: (623) 523-5100

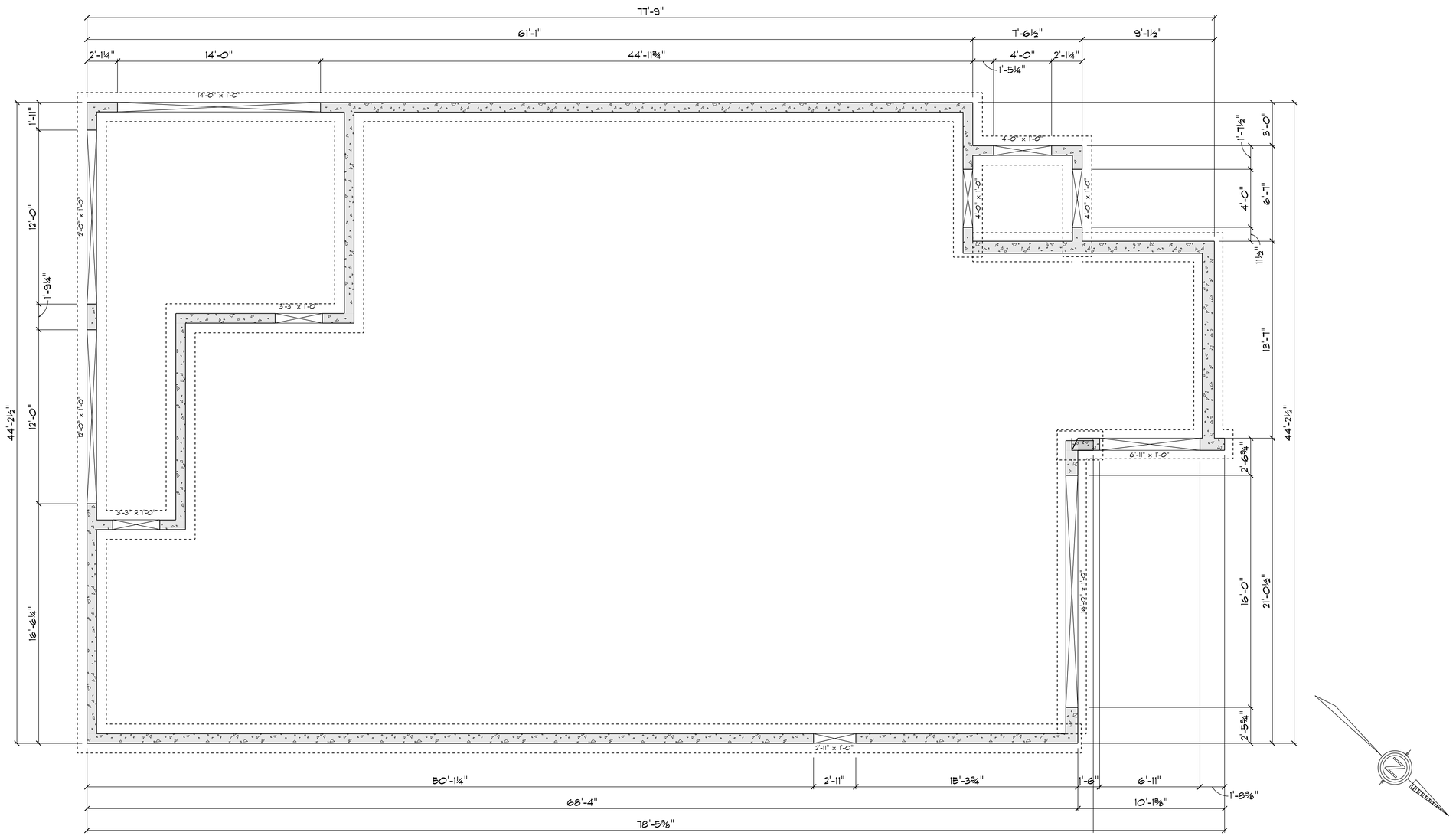
GENERAL NOTES:

- REFER TO STRUCTURAL DRAWINGS IN THIS PLAN SET FOR STRUCTURAL INFORMATION, REQUIREMENTS, AND DETAILS

- EASEMENTS AND SETBACKS ON PLOT PLAN

- 8' X 8' POURED CONCRETE WALLS

- 4" SLAB ON GRADE WITH A TYPICAL 15" DEEP BY 12" WIDE FOOTING



FOUNDATION PLAN

SCALE: 1/4 = 1'0"

S - 01

Foundation plan

APPROVED: Yuri Buus

CHECKED BY: Sebastian St. Germain

SECTION LETTER A | PAGE NUMBERS 11

SCALE: As Noted

DRAWN BY: EMMA DAVIS

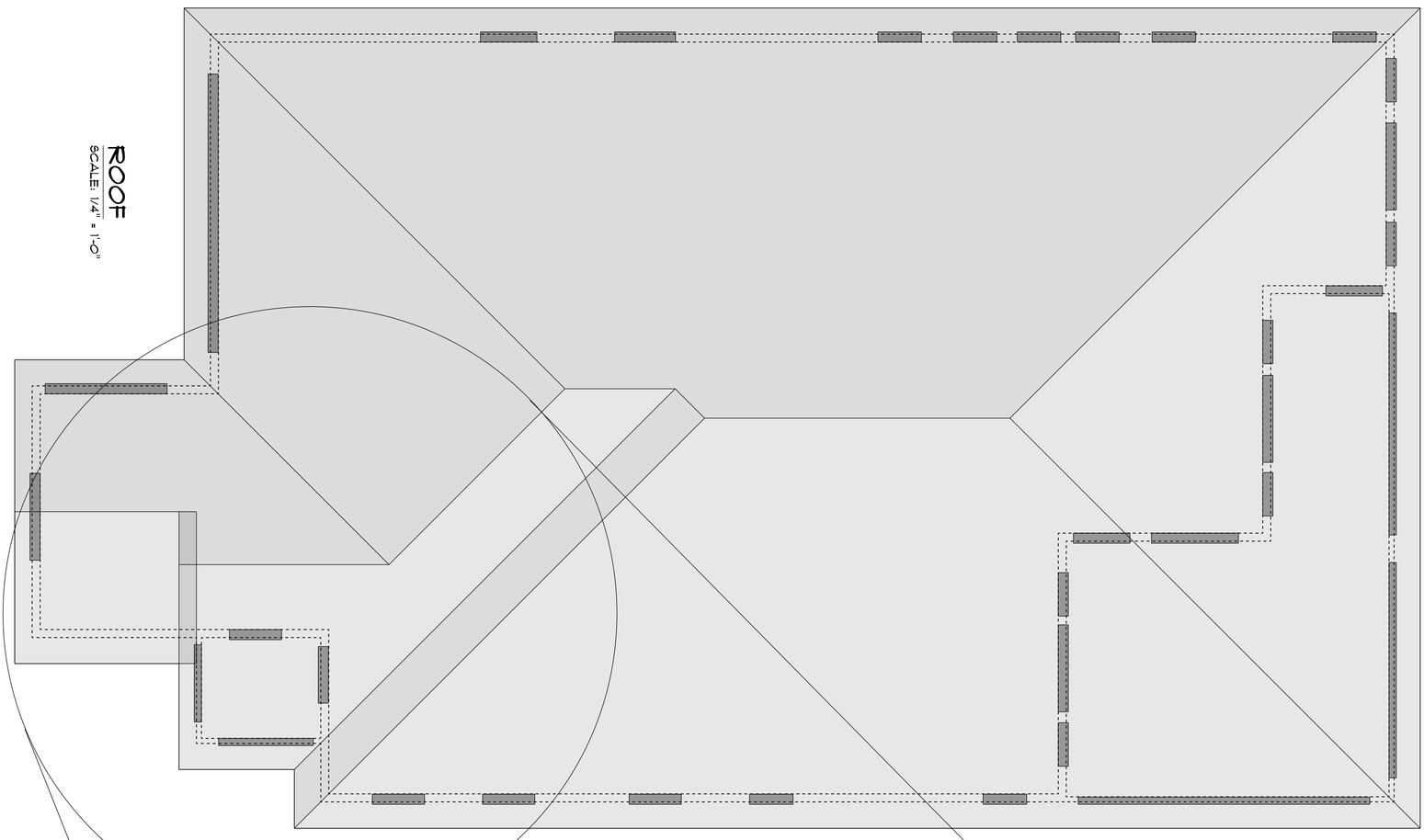
DATE: Thursday, December 15, 2022

SHADOW RIDGE HIGH SCHOOL

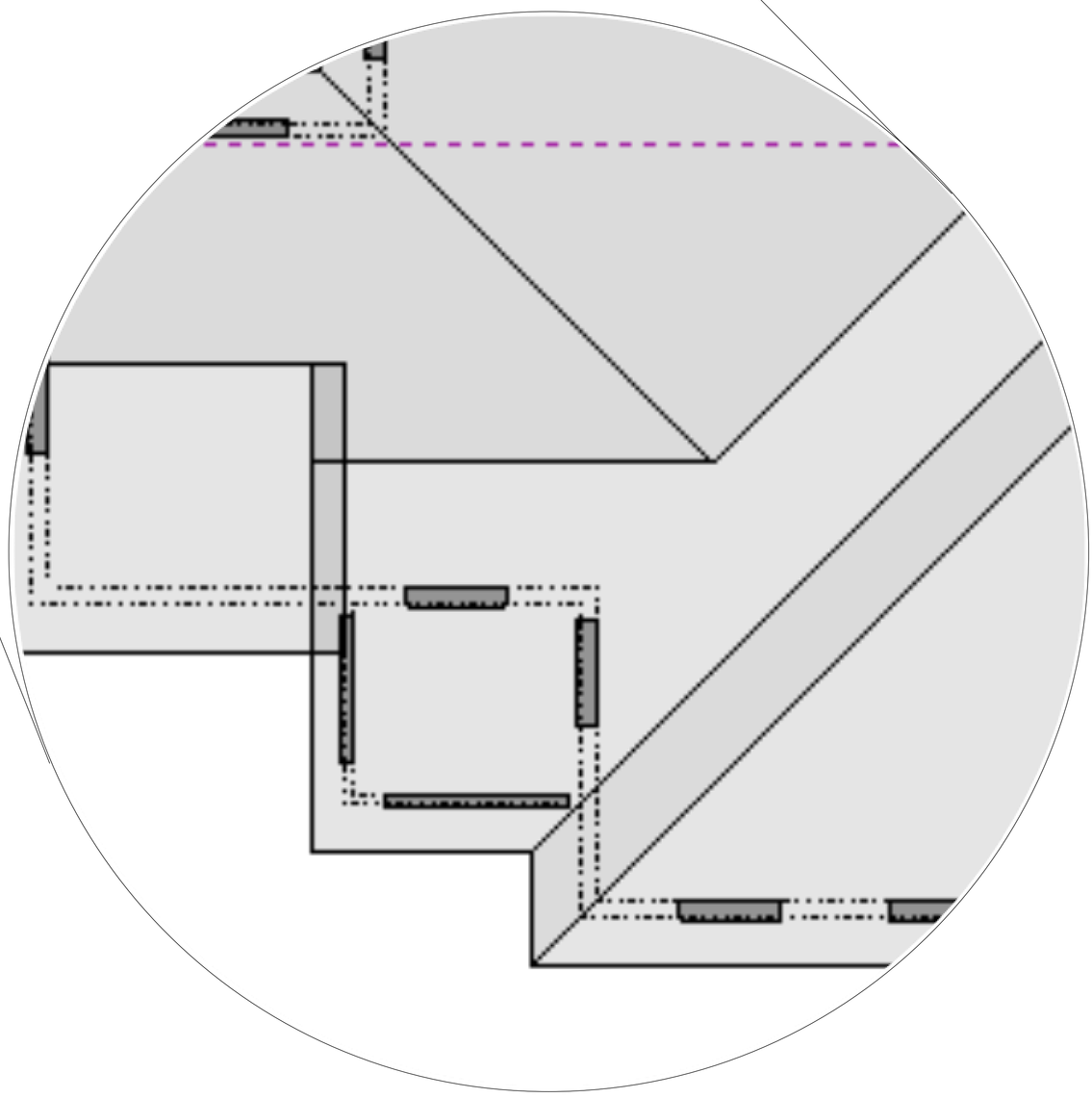
SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE

NAHB 22-23 Competition Emma Davis
SHADOW RIDGE

CONTACT INFORMATION:
10309 N PERRYVILLE RD
SURPRISE, AZ 85388
PHONE: (623) 523-5100
FAX:
MOBILE: (623) 523-5100



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



GENERAL NOTES:

- ALL WORK SHALL BE IN CONFORMANCE WITH THE LATEST VERSION OF THE BUILDING CODES AND ANY OTHER RULES AND REGULATIONS ENFORCED AT THE PLACE OF PROJECT
- ELEVATION OPTION D
- APPLIED GABLES ALONG FRONT AS FOLLOWS

SHADOW RIDGE
CONTACT INFORMATION:
9909 N PERRYVILLE RD
SURPRISE, AZ 85388
PHONE: (623) 523-5100
FAX:
MOBILE: (623) 523-5100

HARRISON TRILOGY AT MONARCH DUNES

SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE

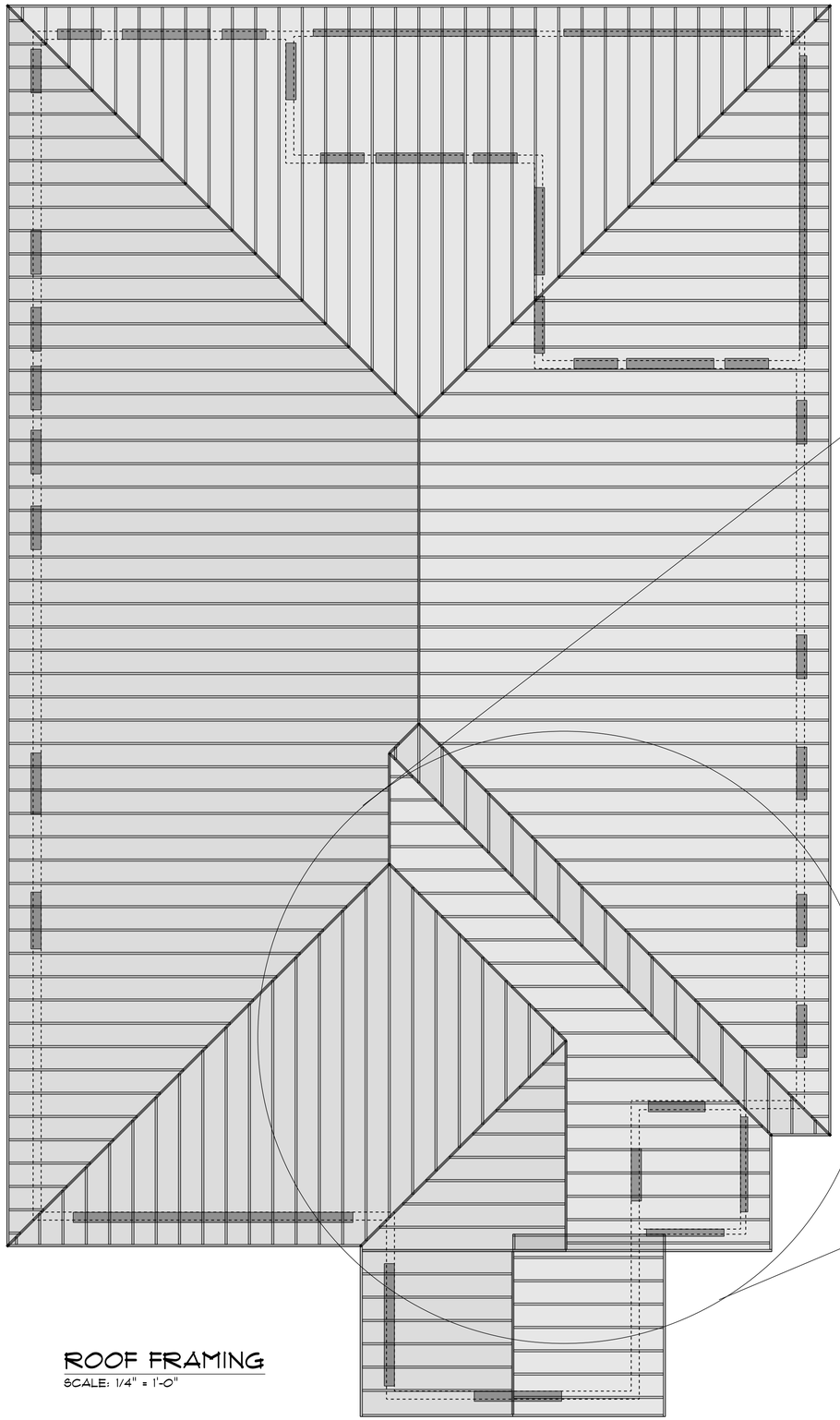
SHADOW RIDGE HIGH SCHOOL

SCALE: As Noted
DRAWN BY: BROOKE HARRISON
DATE: Friday, December 16, 2022

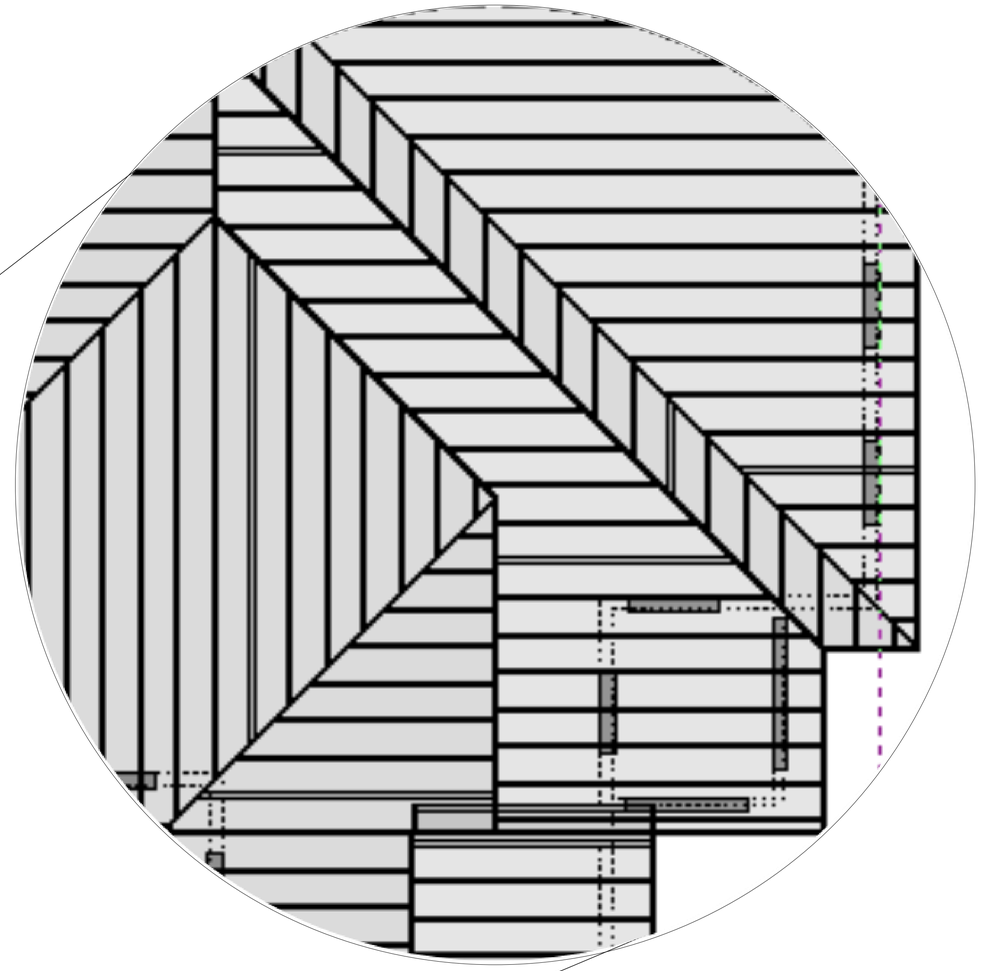
A-1-1 (SECTION LETTER / PAGE NUMBERS)

APPROVED: Yuri Buus
CHECKED BY: Sebastian St. Germain

S - 02
ROOF PLAN



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



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- ELEVATION OPTION D

- APPLIED GABLES ALONG FRONT AS FOLLOWS

HARRISON TRILOGY AT MONARCH DUNES
SHADOW RIDGE

CONTACT INFORMATION:
12909 N FERRYVILLE RD
SURPRISE, AZ 85388
PHONE: (623) 523-5100
FAX:
MOBILE: (623) 523-5100

SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE

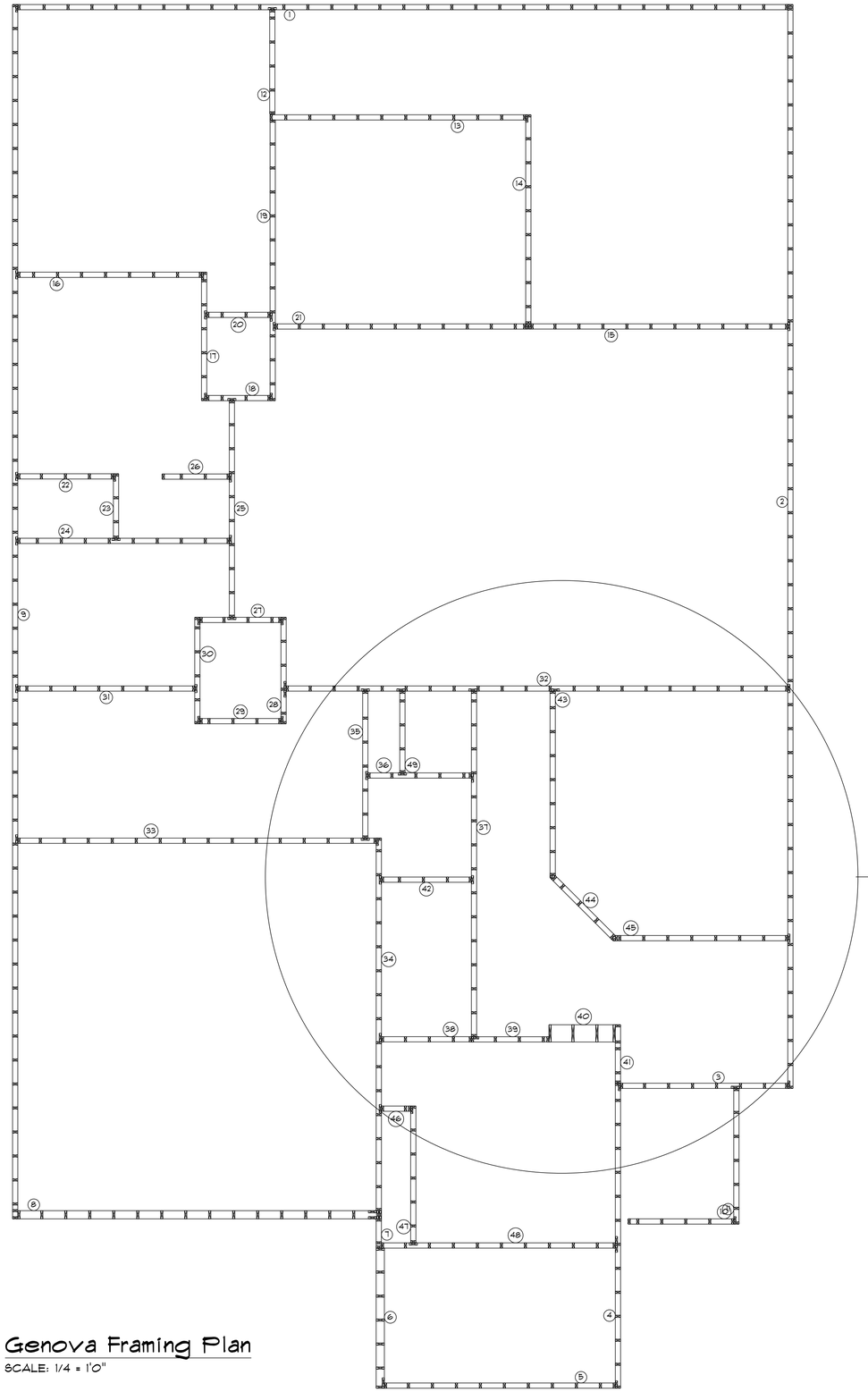
SHADOW RIDGE HIGH SCHOOL

SECTION LETTER: A
PAGE NUMBERS: 1 1

APPROVED: Yuri Buus
CHECKED BY: Sebastian St. Germain

SCALE: As Noted
DRAWN BY: BROOKE HARRISON
DATE: Friday, December 16, 2022

S - 03
ROOF FRAMING



Genova Framing Plan

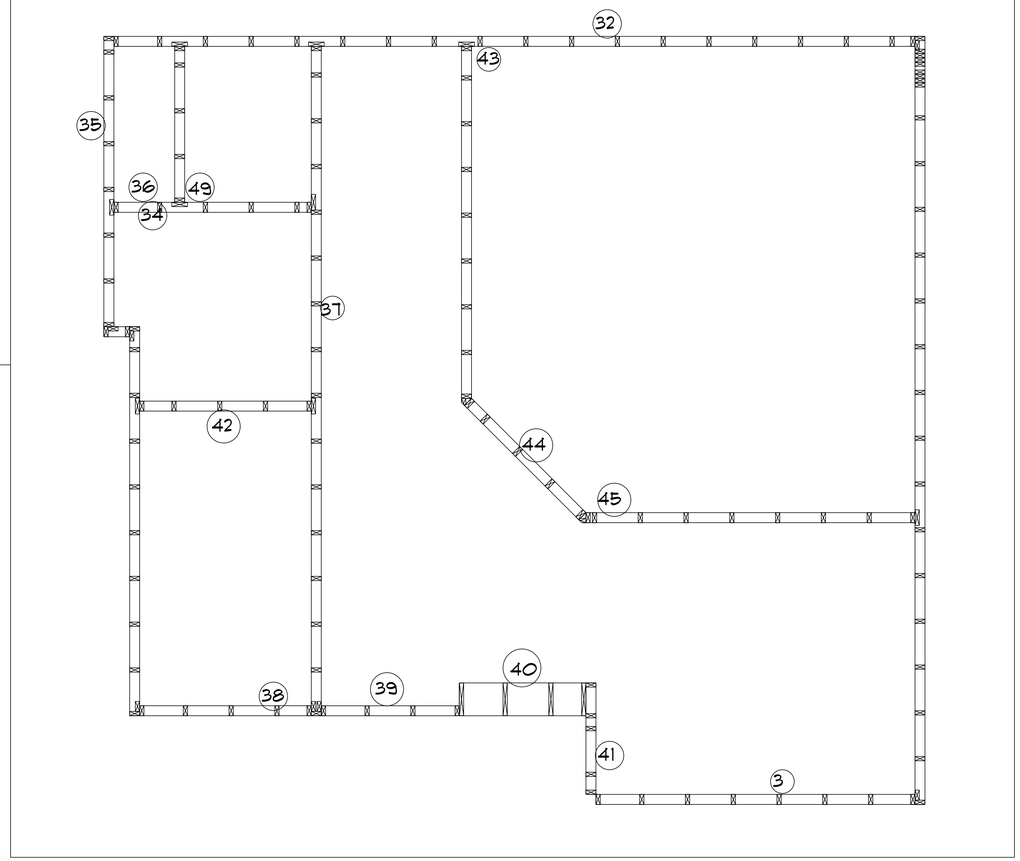
SCALE: 1/4 = 1'0"

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Genova Framing Section

SCALE: 0.4531" = 1'-0"

SHEET: S - 04

Gen. Framing Plan

APPROVED: Yuri Buus

CHECKED BY: Sebastian St. Germain

SECTION LETTER: A

PAGE NUMBERS: 11

SCALE: As Noted

DRAWN BY: Emma Davis

DATE: Thursday, December 15, 2022

SHADOW RIDGE HIGH SCHOOL

SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE

NAHB 22-23 Competition Emma Davis
SHADOW RIDGE

CONTACT INFORMATION:
10909 N PERRYVILLE RD
SURPRISE, AZ 85388
PHONE: (623) 523-5100
FAX:
MOBILE: (623) 523-5100

GANTT CHART

PROJECT TITLE/ADDRESS NAHB 2023/1525 JOSALYN LN, NIPOMO CA 93444 — **SHADOW RIDGE HIGH SCHOOL**

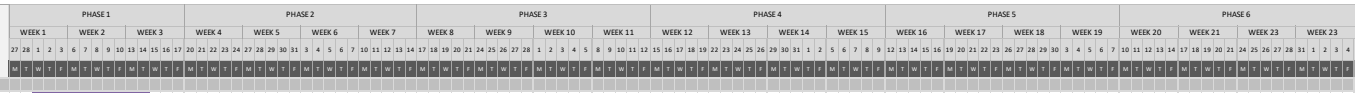
COMPANY TITLE SHEA HOMES TRILOGY AT MONARCH DUNES COMMUNITY — **12/1/23**

WORK DAYS
HOLIDAYS

CONSTRUCTION TIMELINE AVERAGE 7.7 MONTHS

110 WORKING DAYS — **ACTUAL COMPLETION 5.5 MONTHS 94 DAYS** — **WITH PERMITS 6.5 MONTHS 114 DAYS** — **156 DAYS TOTAL**

SESSION NUMBER	TASK TITLE	DESCRIPTION	START DATE	END DATE	DURATION
1	PERMITS/REQUISIONS				
1.01	PLAN SUBMITILES/REVISIONS		3/1/23	3/14/23	10
1.02	BUILDING PERMIT	CITY OF NIPOMO ENFORCED CODE	3/14/23	3/25/23	9
1.03	MECHANICAL PERMIT	CITY OF NIPOMO ENFORCED CODE	3/14/23	3/25/23	9
1.04	PLUMBING PERMIT	CITY OF NIPOMO ENFORCED CODE	3/14/23	3/25/23	9
1.05	SPRINKLER PERMIT	CITY OF NIPOMO ALTERATION ENFORCED CODE	3/14/23	3/25/23	9
1.06	GAS PERMIT	CITY OF NIPOMO ENFORCED CODE	3/14/23	3/25/23	9
1.07	ELECTRICAL PERMIT	CITY OF NIPOMO ENFORCED CODE	3/14/23	3/25/23	9
1.08	ORDER SITE PREPARATION VEHICLES	EXCAVATORS, BACKHOLES, DOZERS, UTILITY	3/27/23	3/27/23	2
1.09	ORDER FOUNDATION MATERIALS		3/27/23	3/27/23	2
2	SITE PREPARATION/EXCAVATION				
2.01	DELIVER SITE PREPARATION VEHICLES		3/28/23	3/28/23	1
2.02	SITE SURVERYING		3/28/23	3/29/23	2
2.03	SOIL TESTING	SOIL TESTING PREVIOUSLY DONE BY DEVELOPER	3/28/23	4/5/23	7
2.04	SITE PLAN EVALUATION		3/28/23	3/29/23	2
2.05	SITE CLEARING		3/30/23	3/31/23	1
2.06	ROUGH GRADING OF LOT		3/30/23	4/3/23	2
2.07	TERMITE PRE-TREATMENT OF SOIL		4/4/23	4/4/23	1
2.08	SET STAKES AND EXCAVATION LINES		4/5/23	4/5/23	1
2.09	EXCAVATION OF LOT AND UTILITY TRENCHES		4/6/23	4/7/23	2
2.1	EXCAVATE FOOTINGS AND SLABS		4/7/23	4/10/23	2
2.11	INSTALL UNDERGROUND UTILITIES		4/11/23	4/17/23	3
3	REQUISITION SESSION 1				
3.01	ORDER WINDOWS		3/13/23	3/14/23	2
3.02	ORDER WALL FRAMING MEMBERS		3/13/23	3/14/23	2
3.03	ORDER ENGINEERED ROOF TRUSSES		3/13/23	3/14/23	2
3.04	ORDER ROOF MEMBERS		3/13/23	3/14/23	2
3.05	ORDER PLUMBING COMPONENTS		3/13/23	3/14/23	2
4	FOUNDATION SESSION				
4.01	DELIVER FOUNDATION MATERIALS/PLUMBING		4/11/23	4/11/23	1
4.02	DELIVER DECK MATERIALS		4/11/23	4/11/23	1
4.03	REBAR INSTALATION		4/12/23	4/13/23	2
4.04	IN SLAB PLUMBING		4/13/23	4/14/23	2
4.05	COMPACT SOIL POUR		4/14/23	4/17/23	2
4.06	POUR SLAB AND FOOTING		4/18/23	4/27/23	7
4.07	INSTALL DECK		4/18/23	4/24/23	5
4.08	INSPECTION OF FOOTINGS AND SLAB		4/28/23	4/28/23	1
4.09	BACKFILL ROUGH GUIDE		4/28/23	4/28/23	1
4.1	ROUGH IN INSPECTIONS		4/28/23	4/28/23	1
4.11	PLACE AND SET ANCHOR BOLTS		4/27/23	4/28/23	2
4.12	FINAL CLEANING		5/1/23	5/1/23	1
5	REQUISITION SESSION 2				
5.01	ORDER PLUMBING FIXTURES		4/10/23	4/10/23	1
5.02	ORDER ELECTRICAL COMPONENTS		4/10/23	4/10/23	1
5.03	ORDER HVAC COMPONENTS		4/10/23	4/10/23	1
5.04	ORDER INSULATION		4/10/23	4/10/23	1
6	WALL FRAMING				
6.01	DELIVER WINDOWS		5/8/23	5/8/23	1
6.02	DELIVER EXTERIOR DOORS		5/1/23	5/1/23	1
6.03	DELIVER WALL FRAMING MEMBERS		5/1/23	5/2/23	2
6.04	DELIVER PLUMBING COMPENENTS		5/11/23	5/12/23	2
6.05	DELIVER ELECTRICAL COMPONENTS		5/15/23	5/16/23	1
6.06	DELIVER HVAC COMPONENTS		5/17/23	5/18/23	2
6.07	DELIVER INSULATION		5/19/23	5/19/23	1
6.08	EXTERIOR WALLS FRAMING STANDING		5/2/23	5/5/23	4
6.09	INTERIOR WALLS FRAMING STANDING		5/8/23	5/12/23	4
6.1	INSTALL EXTERIOR DOORS		5/8/23	5/8/23	1
6.11	INSTALL WINDOWS		5/9/23	5/10/23	2
6.12	INSTALL EXTERIOR OSB SHEATHING		5/10/23	5/11/23	2
6.13	INSTALL PLUMBING COMPONENTS		5/12/23	5/24/23	8
6.14	INSTALL ELECTRICAL COMPONENTS		5/15/23	5/23/23	5
6.15	INSTALL HVAC COMPONENTS		5/22/23	5/26/23	5
6.16	INSTALL EXTERIOR WALL INSULATION		5/30/23	6/2/23	4
6.17	INSTALL VAPOR BARRIER		5/26/23	5/26/23	1
6.18	WALL FRAMING INSPECTION		5/26/23	5/26/23	1
6.19	FINAL INSPECTION OF FRAMING AND UTILITIES		5/26/23	5/26/23	1
7	ROOFING SESSION				
7.01	DELIVER ENGINEERED ROOF TRUSSES		5/8/23	5/9/23	2
7.02	DELIVER ROOF MEMBERS		5/8/23	5/9/23	2
7.03	INSTALL ENGINEERED ROOF TRUSSES		5/10/23	5/11/23	2
7.04	INSTALL ROOF SHEATHING		5/10/23	5/13/23	3
7.05	INSTALL FACIA BOARD AND FLY RAFTERS		5/15/23	5/15/23	1
7.06	INSTALL DRIP EDGE		5/16/23	5/16/23	1
7.07	ROOF PROGRESS INSPECTION		5/17/23	5/17/23	1
7.08	INSTALL VENTS AND CAPS		5/18/23	5/19/23	1
7.09	INSTALL FLASHING AND ROOF FELT		5/22/23	5/25/23	4
7.1	INSTALL GUTTERS AND DOWNSPOUTS		5/26/23	5/26/23	1
7.11	UBSTALL ATTIC INSULATION		5/30/23	6/1/23	4
7.12	ROOF INSPECTION		6/2/23	6/2/23	1
8	REQUISITION SESSION 3				
8.01	ORDER INTERIOR COMPONENTS		5/26/23	5/26/23	1
8.02	ORDER EXTERIOR DOORS		5/26/23	5/26/23	1
8.03	ORDER INTERIOR DOORS		5/26/23	5/26/23	1
8.04	ORDER CABINETS AND VANITIES		5/26/23	5/26/23	1
8.05	ORDER COUNTER TOPS		5/26/23	5/26/23	1
8.06	ORDER FLOORING		5/26/23	5/26/23	1



SESSION NUMBER	TASK TITLE	DESCRIPTION	START DATE	END DATE	DURATION
8.07	ORDER EXTERIOR COMPONENTS		5/26/23	5/26/23	1
9	PLUMBING SESSION				
9.01	DELIVER PLUMBING FIXTURES		6/5/23	6/5/23	1
9.02	INSTALL PLUMBING FIXTURES		6/6/23	6/7/23	2
9.03	ACTIVATE WATER AND SEWER		6/8/23	6/8/23	1
10	INTERIOR SESSION				
10.01	DELIVER INTERIOR COMPONENTS		6/9/23	6/9/23	1
10.02	DELIVER INTERIOR DOORS		7/11/23	7/11/23	1
10.03	DELIVER COUNTERTOPS		6/26/23	6/26/23	1
10.04	DELIVER CABINETS AND VANITIES		6/23/23	6/23/23	1
10.05	DELIVER FLOORING		6/27/23	6/27/23	1
10.06	INSTALL DRYWALL		6/12/23	6/14/23	3
10.07	INSTALL CEILING DRYWALL		6/12/23	6/14/23	3
10.08	TAPING AND SANDING		6/15/23	6/16/23	2
10.09	APPLY PUTTY AND TEXTURE		6/19/23	6/19/23	1
10.1	DRYWALL INSPECTION		6/20/23	6/20/23	1
10.11	INTERIOR PAINT		6/21/23	6/23/23	3
10.12	INSTALL CABINETS AND VANITIES		6/26/23	6/29/23	4
10.13	INSTALL COUNTERTOPS		6/29/23	6/30/23	2
10.14	INSTALL FLOORING		7/3/23	7/7/23	4
10.15	INSTALL BASEBOARD		7/10/23	7/12/23	2
10.16	INSTALL INTERIOR DOORS		7/13/23	7/14/23	2
10.17	INSTALL APPLIANCES		7/14/23	7/14/23	1
10.18	INSTALL MIRRORS AND CLOSET SHELVING		7/17/23	7/17/23	1
10.19	INSTALL CLOSET SHELVING		7/17/23	7/17/23	1
10.2	INSTALL CROWN MOLDING AND DOOR TRIM		7/18/23	7/19/23	2
11	EXTERIOR SESSION				
11.01	DELIVER EXTERIOR COMPONENTS		6/23/23	6/23/23	1
11.02	INSTALL VINYL SIDING		6/25/23	6/27/23	2
11.03	EXTERIOR PAINT		6/28/23	7/2/23	4
12	REQUISITION SESSION 4				
12.01	ORDER LANDSCAPE COMPONENTS		7/14/23	7/14/23	1
12.02	ORDER LANDSCAPE CONRETE		7/14/23	7/14/23	1
12.03	FINAL REQUISITIONS		7/14/23	7/14/23	1
13	LANDSCAPING SESSION				
13.01	DELIVER LANDSCAPE COMPONENTS		7/17/23	7/20/23	3
13.02	DELIVER LANDSCAPE CONCRETE		7/21/23	7/21/23	1
13.03	INSTALL SPRINKLER SYSTEM		7/24/23	7/25/23	2
13.04	POUR DRIVEWAY		7/24/23	7/28/23	5
13.05	INSTALL HARDSCAPES		7/27/23	7/28/23	2
13.06	PLANTING		7/31/23	8/1/23	2
13.07	FINAL GRANDING AND LANDSCAPING		7/31/23	8/1/23	2
14	CLOSE OUT SESSION				
14.01	CLEANING OF LOT AND END FIXES		7/31/23	8/2/23	3
14.02	FINAL PROPOSITIONS		8/1/23	8/3/23	3
14.03	PUNCH LIST WALKTHROUGH		8/4/23	8/4/23	1
15	ADJUSTMENTS				
15.01	ALLOW MINIMUM OF 31 DAYS ADJUSTMENT PERIOD DUE TO WEATHER INTERUPTIONS (NOAA DATA)				

BUILDING	4565 B - 2,736 SQFT					
Plan #	**4565 B**	**Quantity**	**Unit**	**Price/Unit**	**TOTAL PRICE**	**Price / SQ FT**
UNITS	1		SF/LF/SY/EA/SQ			**$151**
SQ FT	2,736					
TRADE TYPE						
PERMITS AND FEES						
Building Permit		1		$ 500	$ 500	
Architect Fee		1		$ 500	$ 500	
Engineering Fee				$ 500	$ 500	
Fee Subtotal					**$ 1,500**	
EXCAVATION & FOUNDATION						
Termite Protection		1		$ 300	$ 300	$0.14
Total Cost of Termite Protection					**$ 300**	
ROUGH STRUCTURE						
Percut(B)	2x4"x92 5/8"	226	LF	$ 3	$ 692	$0.31
Percut(B)	2x6x"92 5/8"	250	LF	$ 4	$ 1,085	$0.49
Wall Plate	2x4	921	LF	$ 0	$ 396	$0.18
Wall Plate	2x6	892	LF	$ 0	$ 357	$0.16
Wall Stud	2x6"8`0"	2	LF	$ 4	$ 8	$0.00
Wall Stud	2x6"12`0"	1	LF	$ 6	$ 6	$0.00
Wall Stud	2x6"16`0"	3	LF	$ 6	$ 19	$0.01
Wall Stud (Oversized)	2x8"x8`0"	5	LF	$ 7	$ 36	$0.02
Jack Stud	2x4"x8`0"	42	LF	$ 3	$ 122	$0.06
Jack Stud	2x6"x8`0"	63	LF	$ 4	$ 265	$0.12
Opening Rough Sill	2x6"x8`0"	4	LF	$ 4	$ 17	$0.01
Opening Rough Sill	2x6"x16`0"	3	LF	$ 6	$ 19	$0.01
Opening Header	2x10"x8`0"	1	LF	$ 10	$ 10	$0.00
Opening Header	2x10"x14`0"	6	LF	$ 17	$ 102	$0.05
Opening Header	2x10"x16`0"	12	LF	$ 19	$ 232	$0.10
Opening Header	2x10"x18`0"	4	LF	$ 22	$ 87	$0.04
Opening Header	2x8"x8`0"	1	LF	$ 7	$ 7	$0.00
Opening Header	2x8"x10`0"	2	LF	$ 9	$ 17	$0.01

Opening Header	2x8"x12`0"	1	LF	$ 10	$ 10	$0.00
Opening Header	2x8"x14`0"	4	LF	$ 13	$ 50	$0.02
Opening Header	2x8"x16`0"	5	LF	$ 14	$ 72	$0.03
Opening Header	2x8"x8`0"	1	LF	$ 4	$ 4	$0.00
Opening Header	2x10"x8`0"	2	LF	$ 9	$ 17	$0.01
Garage Door Frame	2x6"x8`0"	1	LF	$ 4	$ 4	$0.00
Garage Door Frame	2x6"x14`0"	2	LF	$ 6	$ 12	$0.01
Garage Door Frame	2x6"x16`0"	1	LF	$ 6	$ 6	$0.00
Wall Sheathing (OBS)	1/2"x4`0"x8`0"	78	LF	$ 12	$ 924	$0.42
Gable Framing Stud	2x4"x8`0"	2	LF	$ 2	$ 4	$0.00
Gable Framing Plate	2x4"	55	LF	$ 0	$ 24	$0.01
Wall Framing Total					**$ 4,604**	
ROOF FRAMING						
Roof Sheathing	0 1/2"x4`0"x8`0"	119	LF	$ 21	$ 2,513	$1.13
Gable Ladder Set	12`9 1/32'x1`0"	1	LF	$ 6	$ 6	$0.00
Gable Ladder Set	9`6"x1`0"	2	LF	$ 4	$ 8	$0.00
Gable Ladder Set	3`4"x1`0"	1	LF	$ 1	$ 1	$0.00
Plywood H-Clip		475	LF	$ 0	$ 48	$0.02
Square Roof Vent	12"x12"	13	LF	$ 33	$ 432	$0.19
Roof Framing Subtotal					**$ 3,008**	
ROUGH SHEET METAL						
Fascia Cladding	5 1/2"	269	LF	$ 1	$ 336	$0.15
Eave Start		234	LF	$ 1	$ 122	$0.05
Valley Roofing (Flashing)		60	LF	$ 2	$ 144	$0.06
Roof Flashing		1	LF	$ 1	$ 1	$0.00
Soffit	10 1/2"	35	LF	$ 4	$ 126	$0.06
Soffit	16 1/2"	234	LF	$ 4	$ 966	$0.44
Gutter		234	LF	$ 1	$ 166	$0.07
Gutter Corner (outside)		4	LF	$ 8	$ 33	$0.01
Gutter Corner (inside)		2	LF	$ 8	$ 16	$0.01
Downspout	10`0"	4	LF	$ 9	$ 34	$0.02
Sheet Metal Subtoltal					**$ 1,944**	

FULL ENCLOSURE ROOFING							
Roofing Felt	15 lbs,	10	LF	$	22	$ 222	$0.10
Asphalt Shingles 3 Tab, 25 Year		119	LF	$	26	$ 3,082	$1.39
Ridge Shingles		200	LF	$	2	$ 300	$0.14
Roofing total						**$ 3,604**	
MASONARY							
Stucco		1338	SQ	$	1	$ 1,820	$0.82
Masonary total						**$ 1,820**	
Windows							
Single Hung 1	30x72	10	LF	$	282	$ 2,820	$1.27
Single Hung 2	60x66	4	LF	$	524	$ 2,096	$0.94
Single Hung 1	36x42	4	LF	$	225	$ 900	$0.41
Single Hung 1	30x48	4	LF	$	225	$ 900	$0.41
Single Hung 2	42x48	1	LF	$	415	$ 415	$0.19
Single Hung 2	60x72	1	LF	$	564	$ 564	$0.25
Windows total						**$ 7,695**	
DOORS							
Plain 1 Exterior Door	36x80	4	LF	$	113	$ 452	$0.20
Colonial A 1	32x80	9	LF	$	38	$ 344	$0.15
Sliding Colonial 2	60x80	1	LF	$	69	$ 69	$0.03
Interior Doors Total						**$ 865**	
GARAGE DOORS							
Stable	192x84	1	LF	$	1,320	$ 1,320	$0.59
Stable-Modified	96x84	1	LF	$	620	$ 620	$0.28
Garage Doors Total						**$ 1,940**	
OPENING HARDWARE							
Shims		4		$	5	$ 22	$0.01
Entrance Hardware		4		$	75	$ 298	$0.13
Passage Hardware		9		$	30	$ 271	$0.12

Garaage Door Opener		2		$ 183	$	366	$0.16
Hardware Total					**$**	**957**	
INSULATON							
R-13 Wall Insulation	3 1/2"	126	SQ	$ 0	$	53	$0.02
R-20 Wall Insulation	5 1/2"	1195	SQ	$ 1	$	932	$0.42
Vapor Barrier (Wall) 6 mil		2448	SQ	$ 0	$	196	$0.09
Air Retarder (House Wrap)		2476	SQ	$ 0	$	347	$0.16
Insulation Toltal					**$**	**1,528**	
DRYWALL							
Drywall	0 1/2"x4`0"x8`0"	192	LF	$ 13	$	2,496	$1.12
Drywall Compound		8		$ 14	$	110	$0.05
Drywall Screws		32	LB	$ 5	$	148	$0.07
Drywall tape	500ft/roll	6	LF	$ 3	$	19	$0.01
Drywall Corner Bead		426	LF	$ 0	$	89	$0.04
Drywall Total					**$**	**2,862**	
TRIM CARPENTRY							
Interior Door Casing	2 3/4"	382	LF	$ 2	$	577	$0.26
Interior Window Casing	2 3/4"	342	LF	$ 2	$	516	$0.23
Window Stool & Apron	4 1/2"	92	LF	$ 4	$	395	$0.18
Door Jamb & Stop	4 9/6"x2`8"x6`8"	9	LF	$ 51	$	461	$0.21
Rod and Shelf	18"	17	LF	$ 4	$	62	$0.03
Rod and Shelf	15"	32	LF	$ 4	$	116	$0.05
Trim Carpentry Total					**$**	**2,127**	
CABINATE AND VANITIES							
B4FILL	3 3/8"x34 1/2"x24	2	LF		$	-	$0.00
B30D	30"x34 1/2"x24"	15	LF	$ 260	$	3,893	$1.75
B21D	21"x34 1/2"x24"	2	LF	$ 184	$	367	$0.17
W2130F	21"x30"x12"	2	LF	$ 144	$	289	$0.13
W3039F	30"x30"x12"	12	LF	$ 183	$	2,197	$0.99
W2FILL30	1 3/4"x30"x12"	1	LF		$	-	$0.00

W1FILL30	1"x30"x12"	2	LF	$ 4	$ 7	$0.00
W2430F	24"x30"12"	1	LF	$ 156	$ 156	$0.07
B2FILL	1 3/8"x34 1/2x24"	4	LF		$ -	$0.00
B15D	15"x30"x12"	1	LF	$ 173	$ 173	$0.08
B18D	18"x34 1/2"x24"	4	LF		$ -	$0.00
W2FILL30	1 3/8"x30"x12"	2	LF	$ 133	$ 266	$0.12
W1830F	18 1/2"x30"x12"	1	LF	$ 69	$ 69	$0.03
W1930F	18 1/2 "x30"x12"	1	LF	$ 43	$ 43	$0.02
W1230F	11 1/2"x30"x12"	1	LF	$ 48	$ 48	$0.02
W1330F	12 1/2"x30"x12"	1	LF	$ 64	$ 64	$0.03
W1830F	17 1/2"x30"x12"	2	LF		$ -	$0.00
W1FILL30	7/8"x30"x12"	1	LF		$ -	$0.00
W4FILL30	3 1/4"x30"x12"	1	LF	$ 160	$ 160	$0.07
W1530F	15"x34 1/2"x24"	1	LF	$ 121	$ 121	$0.05
Cabinates Total					**$ 7,853**	
COUNTERTOPS						
Granite Countertop	25"x137/34"	23	SQ	$ 57	$ 1,311	$0.59
Granite Countertop	25"x137/34"	30	SQ	$ 57	$ 1,710	$0.77
Granite Countertop	25"x61"	11	SQ	$ 57	$ 627	$0.28
Granite Countertop	25"x41 3/4"	8	SQ	$ 57	$ 456	$0.21
Granite Countertop	25"x137/34"	24	SQ	$ 57	$ 1,368	$0.62
Countertops Total					**$ 5,472**	
BATHROOM VANITIES						
Medicine Cabinet	1'6"x1 3/4"x2'0"	3	LF		$ -	$0.00
Bathroom Vanities Total					$ -	$0.00
CABINET HARDWARE						
Cabinet Hardware		92		$ 6	$ 582	$0.26
Cabinet Hardware Total					**$ 582**	
APPLIANCES						
CE M365FS	3'1"x1'9 1/4"x4 15/16"	1	LF		#REF!	#REF!

W 3033 Washing Machine		1		$ 579	$ 579	$0.26
Dryer 01		1		$ 1,000	$ 1,000	
Oven Microwave 27inch		1		$ 579	$ 579	$0.26
Appliance Total					**$ 2,158**	
FINISH PLUMBING						
K-1115-Ra	6'0"x3'6"x1'10 1/4"	1	LF		$ -	$0.00
Bath tub left 01)	5'0"x27 1/2"x1'4"	1	LF	$ 430	$ 430	$0.19
Toilet 01)	1'9 1/2"x2'4 3/8" x2'7"	3	LF	$ 262	$ 786	$0.35
Sink Single 02)	2'1"x1'10"x1'3 9/16"	2	LF	$ 268	$ 536	$0.24
Basin Oval	1'8 1/4"x1'5 1/2"x6 3/4"	2	LF	$ 326	$ 652	$0.29
Sink Double 01)	2'9"x1'10"x9 1/4"	1	LF	$ 319	$ 319	$0.14
Water Heater	1'2 1/2"x4 19/32"x17 1/2"	1	LF	$ 796	$ 796	$0.36
Laundry Tub Cabinet	2'0"x1'9"x1'3 1/8	1	LF	$ 198	$ 198	$0.09
Finish Plumbing Total					**$ 3,717**	
ELECTRICAL						
Smoke Detector		1		$ 86	$ 86	$0.04
Electrical Total					**$ 86**	
COMPLETION AND INSPECTION						
Building Clean-up		1		$ 500	$ 500	$0.23
Completion & Inspection Total					**$ 500**	
HVAC ESTIMATE						
HVAC Estimate		1	SQ	$ 12,000	$ 12,000	
HVAC Estimate Total					**$ 12,000**	
WALK THROUGH INSPECTION						

Walk Through Inspection		1		$ 1,000	$	1,000	$0.45
Walk Through Inspection Total					**$**	**1,000**	
BUILDING TOTAL							
4565 B - 1 STORY - TOTAL					**$**	**150,153**	
OVERHEAD & PROFIT							
Lot Price					$	300,000	
Construction Financing Cost					$	5,000	
Corporate Charges					$	8,990	
Labor Cost	1/3 TOTAL BUILDING COST				$	50,051	
OVERHEAD	2% TOTAL HARD COST				$	3,003	
Profit	6% TOTAL HARD COST				$	9,009	
Overhead & Profit Total					**$**	**376,053**	
REAL ESTATE COMMISION							
Real Estate Commision	2.5% SALES PRICE				$	13,155	
REAL ESTATE COMMISION TOTAL					**$**	**13,155**	
TOTAL							
TOTAL PROJECT COST					**$**	**526,206**	