



# ADDITION

19782 Saddlecrest Dr, Walnut, CA, 91789

### PROJECT DATA:

EXISTING BUILDING CONSTRUCTION TYPE:  
EXISTING BUILDING FT: 2,747 sqft  
EXISTING BUILDING AREA: 167,359 sqft  
APN: 87066104001  
TR: 36673 LOT 11 PARCEL 3  
LEGAL DESCRIPTION:  
MAIN HOUSE SPRINKLER: NO

### PROJECT DATA CALCULATION:

g) Total Lot Area =	167,359	Square Feet
h) Site Area =	145,232	Square Feet
i) Base Area =	0	Square Feet
j) Usable Area = [i - (b + c)] =	21,127	Square Feet
k) First Floor Area (existing) =	0	Square Feet
l) Second Floor Area (existing) =	0	Square Feet
m) First Floor Area (proposed) =	333	Square Feet
n) Second Floor Area (proposed) =	1,902	Square Feet
o) Total Floor Area =	1,902	Square Feet
p) Total Livable Area =	95	Square Feet
q) Total Building Footprint =	4,762	Square Feet
r) Total Coverage = (o) divided by (q)	28.0%	

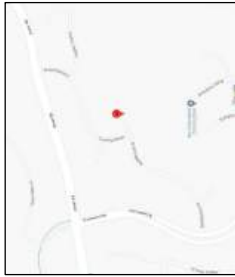
### CODES USED:

- 2022 California Residential Code
- 2022 California Building Code
- 2022 California Mechanical Code
- 2022 California Electrical Code
- 2022 California Green Building Standard Code
- 2022 California Energy Code

### GENERAL NOTES:

- THE CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO ANY WORK AND SHALL BE RESPONSIBLE FOR ALL WORK AND MATERIALS INCLUDING THAT FURNISHED BY SUBCONTRACTORS.
- CONTRACTOR SHALL SECURE ALL PERMITS NECESSARY FOR THE COMPLETION OF THIS WORK AND SHALL PAY ALL COSTS IN CONNECTION THEREWITH WHERE LOCAL REGULATIONS REQUIRE INSPECTION. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS, SAME, PAYING ALL COSTS, AND SHALL SECURE A CERTIFICATE OF FINAL INSPECTION AND/OR APPROVAL OF THE WORK, WHICH CERTIFICATE SHALL BE TURNED OVER TO THE OWNER BEFORE FINAL PAYMENT IS MADE.
- THE CONTRACTOR SHALL VISIT THE PREMISES AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS BEFORE ISSUING BID.
- CONTRACTOR ONLY WILL BE RESPONSIBLE FOR MEASUREMENT CORRECTNESS.
- THE ARCHITECT WILL NOT BE RESPONSIBLE WHERE CONSTRUCTION DEVIATES FROM DRAWINGS.
- CONTRACTOR SHALL VERIFY AND COORDINATE ALL EXISTING CONDITIONS WITH PROPOSED NEW WORK AND SHALL NOTIFY THE ARCHITECT ON ANY DISCREPANCIES THAT MAY OCCUR BEFORE PROCEEDING WITH THE WORK.
- DIMENSIONS SHOWN ARE APPROXIMATE. FINAL DIMENSIONS TO BE DETERMINED IN THE FIELD, ACCORDING TO LOCATION OF EXISTING POSTS, BEAMS, PILES, ETC.
- ALL STRUCTURAL WORK SHALL BE COORDINATED WITH MECHANICAL, ELECTRICAL, PLUMBING, ETC., REQUIREMENTS. DIMENSIONS AND/OR INTERFERENCES SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY.
- CONTRACTOR SHALL PROTECT AND PRESERVE ALL EXISTING ITEMS TO REMAIN AND SHALL REPAIR AND REPLACE ANY DAMAGED ITEMS TO APPROVAL BY THE ARCHITECT AND WITHOUT ANY ADDITIONAL COST TO THE OWNER.
- CONTRACTOR TO INCLUDE ALL NECESSARY WORK AND MATERIAL TO FINISH PROJECT WITHIN THE SAME EXISTING QUALITY.
- ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
- CONCRETE WALL BOARD APPLICATIONS SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF "AMERICAN STANDARD SPECIFICATION".
- ALL CONTRACTORS AND THEIR SUBCONTRACTORS SHALL CARRY INSURANCE TO PROTECT THE OWNER FROM CLAIMS OF DAMAGES FOR PERSONAL INJURIES, INCLUDING DEATH, THE FIRST ARISE IN CONNECTION WITH THE PROJECT.
- ALL WORK SHALL BE SUBJECT TO FINAL INSPECTION AND ACCEPTANCE BY THE OWNER.

### VICINITY MAP:



### OWNER INFO:

NAME: Jim Jiang  
ADDRESS: 19782 Saddlecrest Dr, Walnut, CA, 91789  
TEL: 909-942-5951  
E-MAIL: jimjiang@jwangdesign.com

### APPLICANT INFO:

NAME: Kevin Lee  
TEL: 626-542-5951  
E-MAIL: kevinlee@jwangdesign.com  
ADDRESS: 9650 Teasdale Ave, Unit A, Orange, CA 92668

### DESIGNER INFO:

NAME: JNNY DESIGN LLC  
ADDRESS: 9650 Teasdale Ave, Unit A, Orange, CA 92668  
E-MAIL: jnnycad@jnnycad.com

### CONTRACTOR INFO:

NAME: Akon Inc.  
TEL: 909-287-0688 / 626-236-7388  
E-MAIL: akon@akoninc.com  
ADDRESS: 21491 Ferrero Parkway, City of Industry, CA 91789

### SCOPE OF WORK:

- Permit to construct
- 333 sqft of livable space on the 1st floor
- 1,982 sqft 2nd story addition of livable space (not include balcony)
- 95sq.ft balcony at 2nd floor addition of non livable space

### SEPARATE PERMITS REQUIRED FOR MECHANICAL, ELECTRICAL, AND PLUMBING ADD UNDER SEPARATE PERMIT

### SHEET INDEX:

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A-2	PLAN NOTES
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A-3.1	PROPOSED 1ST FLOOR PLAN
A-3.2	PROPOSED 2ND FLOOR PLAN
A-4	EXISTING ELEVATIONS
A-4.1	EXISTING ELEVATIONS
A-4.2	PROPOSED ELEVATION
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A-4.4	RENDERINGS
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A-7	DETAIL
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GN-1	GREEN NOTES
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GN-3	2022 RESIDENTIAL MANDATORY MEASURES
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E-2	1ST FLOOR POWER/LIGHTING PLAN
E-3	2ND FLOOR POWER/LIGHTING PLAN
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S102	GENERAL NOTES
S301	FLOOR FRAMING PLAN
S302	FLOOR FRAMING PLAN
S401	FOUNDATION DETAILS
S501	FRAMING DETAILS
S502	FRAMING DETAILS
S503	FRAMING DETAILS
S504	FRAMING DETAILS
WSWH1	STRONG WALL DETAILS
WSWH2	STRONG WALL DETAILS
WSWH3	STRONG WALL DETAILS
WSWH4	STRONG WALL DETAILS

### ISSUES ARECTIONS

△ PDC: MW-3-20

### PROJECT

### ADDITION

19782 Saddlecrest Dr,  
Walnut, CA, 91789

### SHEET TITLE

### TITLE SHEET

SCALE:	
DATE:	
BY:	
CHKD BY:	
DATE:	
APP'D:	
DATE:	
SCALE:	

T

### LEGENDS:

	EARTH
	SAND/MORTAR/PLASTER
	MASONRY
	STONE OR MARBLE
	METAL IN ELEVATION
	ALUMINUM
	METAL LATH
	FINISHED WOOD
	WOOD SILL OR BLOCKING
	PLYWOOD
	GLASS
	GLASS IN ELEVATION
	ACOUSTIC TILE
	GYPSEUM BOARD
	INSULATION BATT
	SHEET METAL CEILING
	DETAIL SECTION
	DOOR OPENING NUMBER
	WINDOW NUMBER
	REVISION NUMBER
	PLAN NOTES REFERENCE NUMBER
	PROPERTY LINE
	DETAIL
	MATCH LINE
	SMOKE DETECTOR
	CARBON MONOXIDE ALARM

### SYMBOLS:

	SHEET METAL CEILING
	DETAIL SECTION
	DOOR OPENING NUMBER
	WINDOW NUMBER
	REVISION NUMBER
	PLAN NOTES REFERENCE NUMBER
	PROPERTY LINE
	DETAIL
	MATCH LINE
	SMOKE DETECTOR
	CARBON MONOXIDE ALARM

### DETAIL NUMBER

### DOOR OPENING NUMBER

### WINDOW NUMBER

### REVISION NUMBER

### PLAN NOTES REFERENCE NUMBER

### PROPERTY LINE

### DETAIL

### MATCH LINE

### SMOKE DETECTOR

### CARBON MONOXIDE ALARM









**ISSUES ARE VIBRATIONS**

▲ **POSS. IMPACTS ON**

**PROJECT**

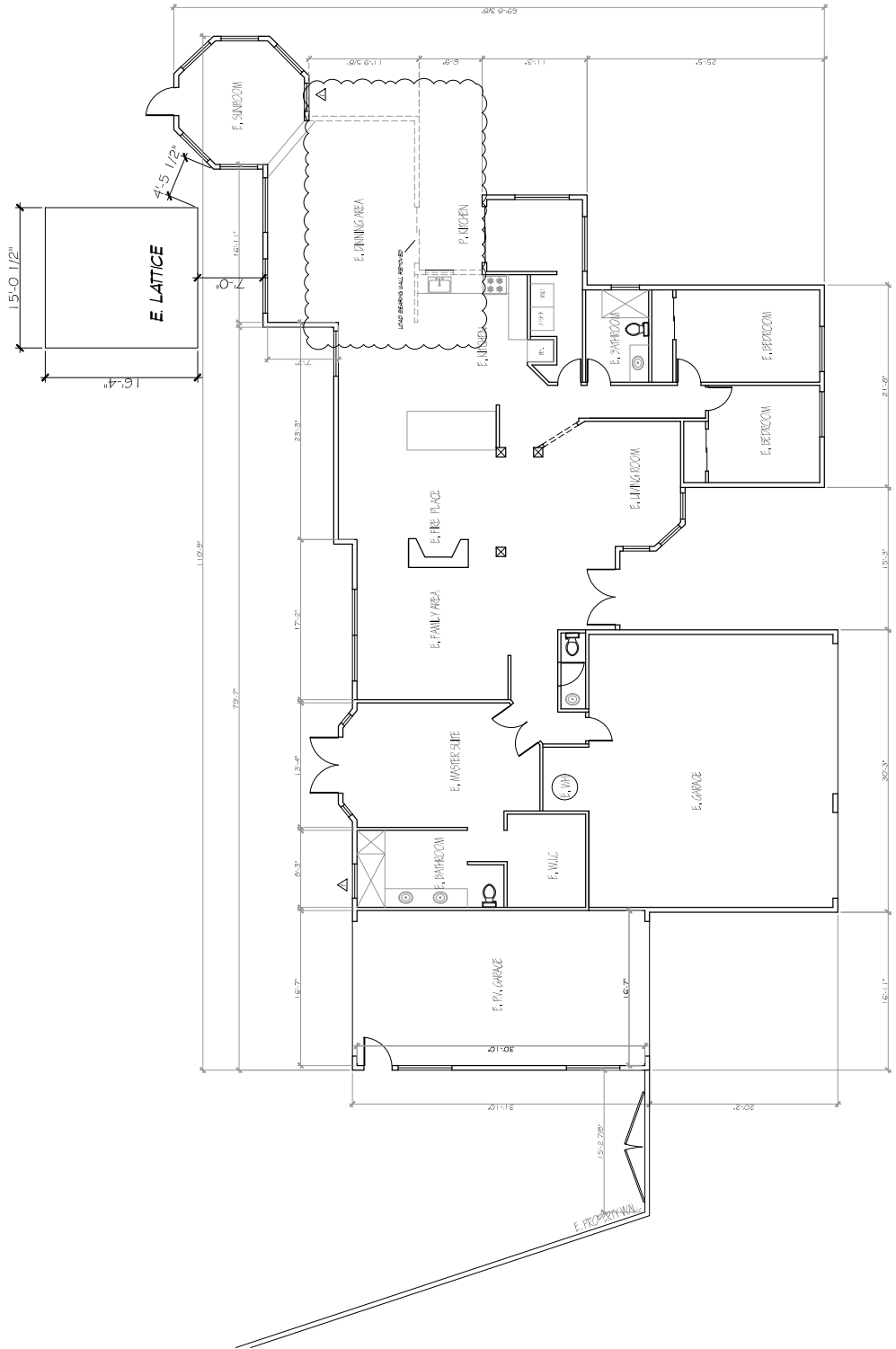
**ADDITION**

19782 Saddlecrest Dr,  
Walnut, CA, 91789

**SHEET TITLE**

**EXISTING FLOOR PLAN**

SCALE	3/16" = 1'-0"
DESIGNED BY	JENNY WANG
DRAWN BY	JENNY WANG
DATE	07.20.2022
PROJECT NO.	22-0006-003



**EXISTING FLOOR PLAN**

SCALE: 3/16" = 1'-0"

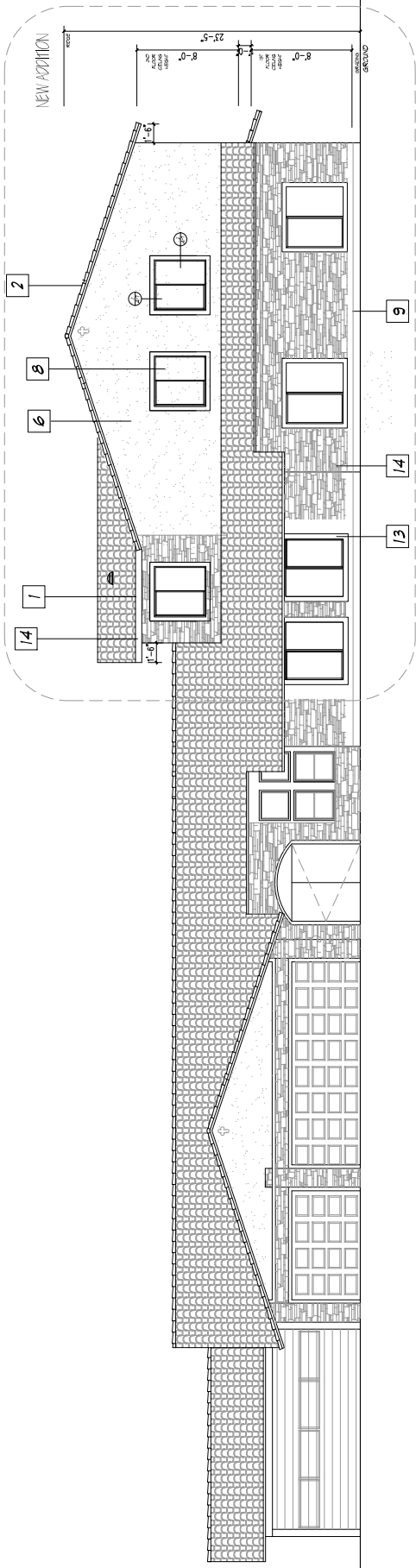
EXISTING WALL

DISMANTLE WALL









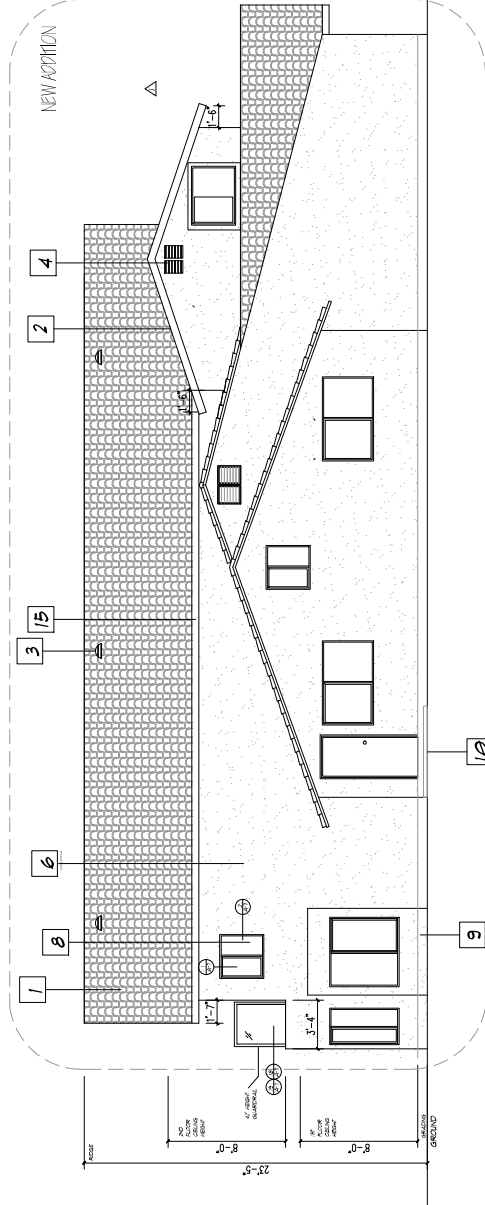
**(N) SOUTH ELEVATION**

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

ELEVATION NOTES

1. ASPHALT ROOF;
2. RAKE;
3. CYLINDRICAL VENT;
4. LOUVER VENT;
5. WALL MOUNTED LIGHT;
6. STUCCO;
7. SWING DOOR;
8. WINDOW;
9. WEEP SCREED;
10. DOOR LANDING;
11. SLIDING DOOR;
12. FIREPLACE CHIMNEY;
13. FLAT ROOF;
14. EAVE;
15. CRICKET;
16. CANOPY

The contractor shall field verify  
 -All building materials and colors to match existing house  
 -Roof pitch, material and color to match existing house  
 -The length of the eaves and dimensions of the fascia board are matching existing main house.



**(N) WEST ELEVATION**

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









**DORMER VENT AREA**  
 R-17  
 Net-Free Area 100 sq.in. =10.89 sq.ft.  
 Model # JWB-100  
 Material Galvanized Steel Half-Round  
 Net-Free Area 100 sq.in. =10.89 sq.ft.

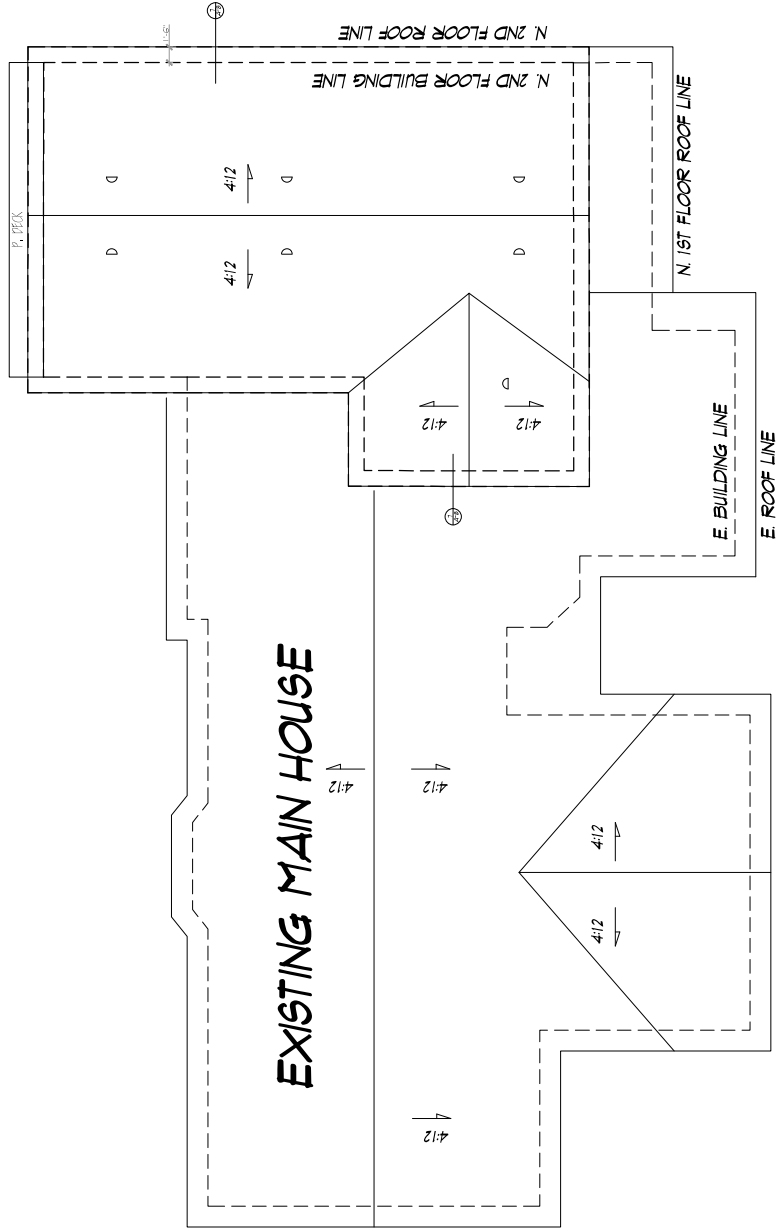
**ATTIC VENTILATION CALCULATION**  
 Net-Free Area 100 sq.in. =10.89 sq.ft.  
 Net-Free Area 100 sq.in. =10.89 sq.ft.  
 Net-Free Area 100 sq.in. =10.89 sq.ft.  
 Net-Free Area 100 sq.in. =10.89 sq.ft.

**ROOFING NOTES**

Notes:  
 Installation shall be in accordance with manufacturer's specifications.

- THE CONTRACTOR SHALL FIELD VERIFY
- All building materials and colors to match existing house
  - Roof pitch, material and color to match existing house
  - The length of the eaves and dimensions of the fascia board are matching existing main house.

Exhaust Ventilation Provided(Coburn® Right Vent 3" Premium Exhaust Vent 9" width):  
 51x18 sq.in. net free ventilation (panel bottom) 57.5 sq. in. = 5.1 sq. ft.  
 4.89x16.4x11.23 sq.ft.



**PROPOSING ROOF PLAN**

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













2022 Single-Family Residential Mandatory Requirements Summary

Smart Construction Update for Home and the Building. Smart construction updates for all new buildings, existing, built-out buildings, and existing buildings that are subject to the requirements of the Smart Construction Update for Home and the Building...

- § 18030101 Foundation and Foundation System. All new buildings shall be constructed on a foundation system that meets the requirements of ASCE 7-16, Section 18.0.1.1.
§ 18030102 Foundation and Foundation System. All new buildings shall be constructed on a foundation system that meets the requirements of ASCE 7-16, Section 18.0.1.1.
§ 18030103 Foundation and Foundation System. All new buildings shall be constructed on a foundation system that meets the requirements of ASCE 7-16, Section 18.0.1.1.

§ 18030107

2022 Single-Family Residential Mandatory Requirements Summary

Smart Construction Update for Home and the Building. Smart construction updates for all new buildings, existing, built-out buildings, and existing buildings that are subject to the requirements of the Smart Construction Update for Home and the Building...

- § 18030201 Foundation and Foundation System. All new buildings shall be constructed on a foundation system that meets the requirements of ASCE 7-16, Section 18.0.1.1.
§ 18030202 Foundation and Foundation System. All new buildings shall be constructed on a foundation system that meets the requirements of ASCE 7-16, Section 18.0.1.1.
§ 18030203 Foundation and Foundation System. All new buildings shall be constructed on a foundation system that meets the requirements of ASCE 7-16, Section 18.0.1.1.

§ 18030207

2022 Single-Family Residential Mandatory Requirements Summary

Smart Construction Update for Home and the Building. Smart construction updates for all new buildings, existing, built-out buildings, and existing buildings that are subject to the requirements of the Smart Construction Update for Home and the Building...

- § 18030301 Foundation and Foundation System. All new buildings shall be constructed on a foundation system that meets the requirements of ASCE 7-16, Section 18.0.1.1.
§ 18030302 Foundation and Foundation System. All new buildings shall be constructed on a foundation system that meets the requirements of ASCE 7-16, Section 18.0.1.1.
§ 18030303 Foundation and Foundation System. All new buildings shall be constructed on a foundation system that meets the requirements of ASCE 7-16, Section 18.0.1.1.

§ 18030307

2022 Single-Family Residential Mandatory Requirements Summary

Smart Construction Update for Home and the Building. Smart construction updates for all new buildings, existing, built-out buildings, and existing buildings that are subject to the requirements of the Smart Construction Update for Home and the Building...

- § 18030401 Foundation and Foundation System. All new buildings shall be constructed on a foundation system that meets the requirements of ASCE 7-16, Section 18.0.1.1.
§ 18030402 Foundation and Foundation System. All new buildings shall be constructed on a foundation system that meets the requirements of ASCE 7-16, Section 18.0.1.1.
§ 18030403 Foundation and Foundation System. All new buildings shall be constructed on a foundation system that meets the requirements of ASCE 7-16, Section 18.0.1.1.

§ 18030407

2022 Single-Family Residential Mandatory Requirements Summary

Smart Construction Update for Home and the Building. Smart construction updates for all new buildings, existing, built-out buildings, and existing buildings that are subject to the requirements of the Smart Construction Update for Home and the Building...

- § 18030501 Foundation and Foundation System. All new buildings shall be constructed on a foundation system that meets the requirements of ASCE 7-16, Section 18.0.1.1.
§ 18030502 Foundation and Foundation System. All new buildings shall be constructed on a foundation system that meets the requirements of ASCE 7-16, Section 18.0.1.1.
§ 18030503 Foundation and Foundation System. All new buildings shall be constructed on a foundation system that meets the requirements of ASCE 7-16, Section 18.0.1.1.

§ 18030507

2022 Single-Family Residential Mandatory Requirements Summary

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- § 18030601 Foundation and Foundation System. All new buildings shall be constructed on a foundation system that meets the requirements of ASCE 7-16, Section 18.0.1.1.
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§ 18030603 Foundation and Foundation System. All new buildings shall be constructed on a foundation system that meets the requirements of ASCE 7-16, Section 18.0.1.1.

§ 18030607

ISSUES ARE YRIONS

Table with 2 columns: Issue ID, Description. Contains a list of issues related to the project.

PROJECT

19782 Saddlereast Dr, Walnut, CA, 91789

ADDITION

2022 RESIDENTIAL MANDATORY MEASURES

SHEET TITLE

Scale: 1/8"=1'-0"
Date: 02/28/2022
Author: J.W.
Project: 19782 Saddlereast Dr, Walnut, CA, 91789



ISSUES ARE REVISIONS

PROJECT

ADDITION

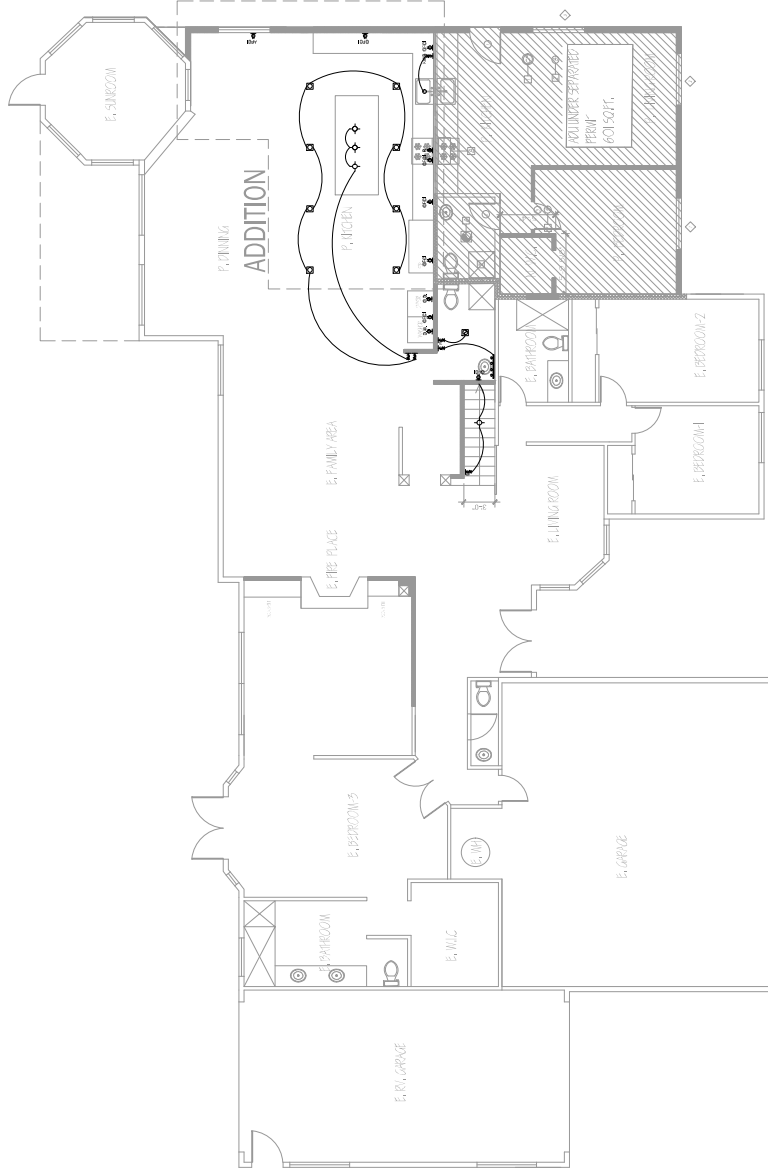
19782 Saddlecrest Dr,  
Walnut, CA, 91789

SHEET TITLE

1ST POWER &  
LIGHTING PLAN

SCALE	DATE
REVISION	BY
DATE	NO.
DESCRIPTION	
DATE	NO.
DESCRIPTION	

E-2



**1ST FLOOR POWER PLAN**

SCALE 3/16" = 1'-0"















**NB ENGINEERING INC.**  
 10000 WILSON AVENUE, SUITE 100  
 ROLLING HILLS, CA 91075  
 TEL: 626-298-3371  
 FAX: 626-298-3372  
 WWW.NBENGINEERING.COM

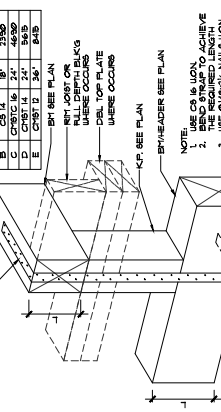
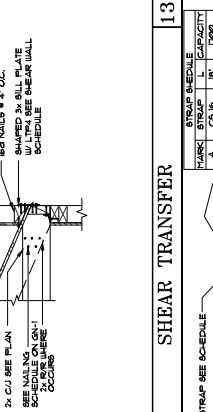
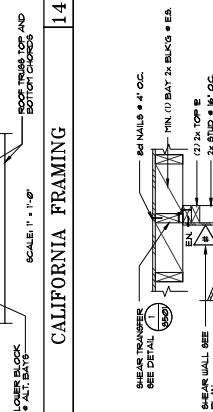
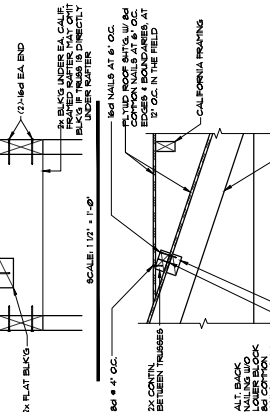
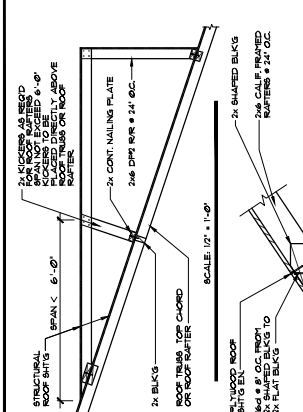
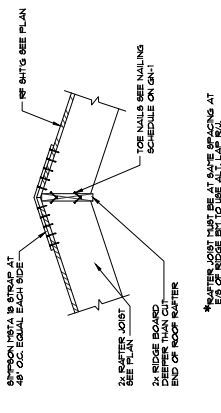
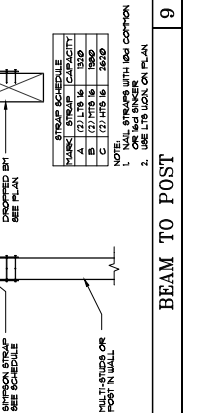
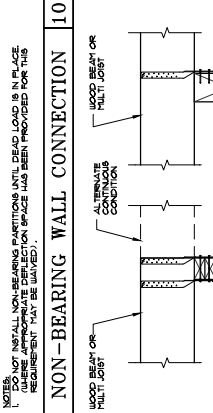
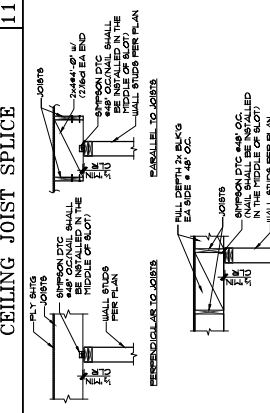
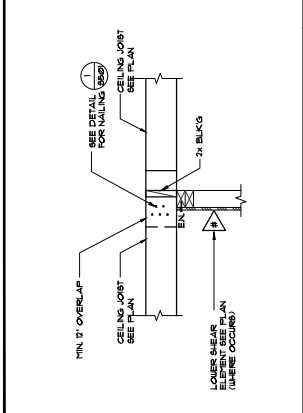
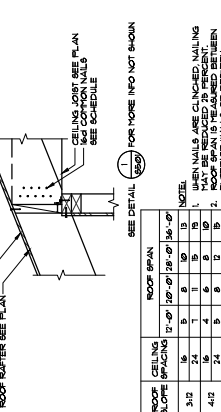
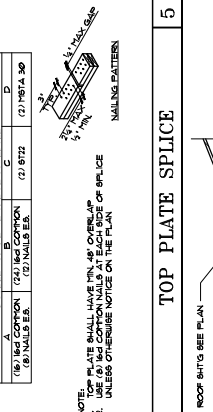
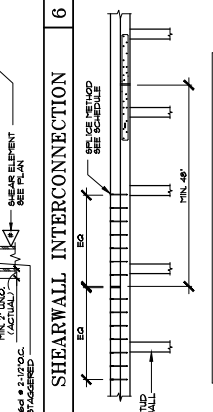
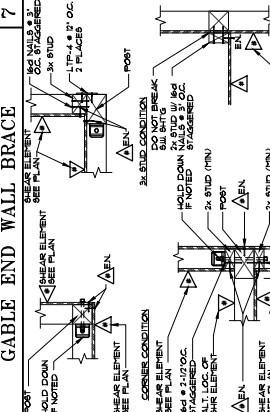
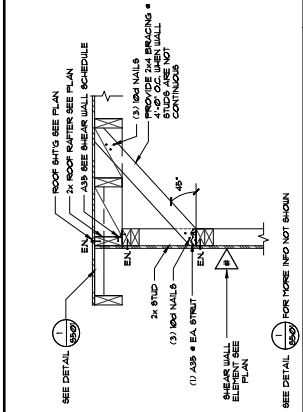
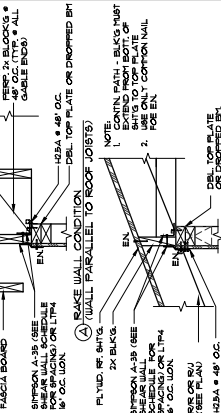
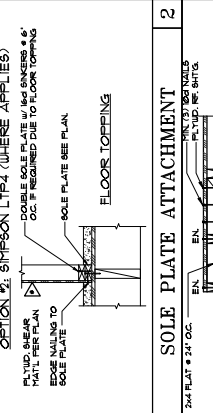
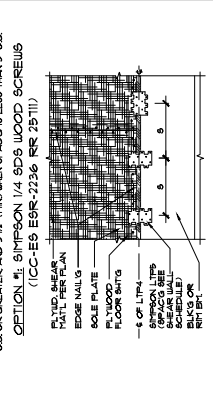
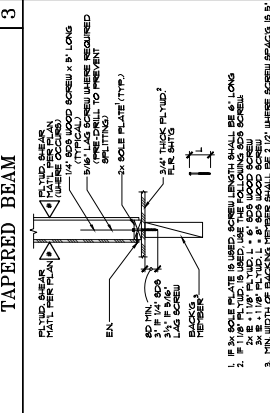
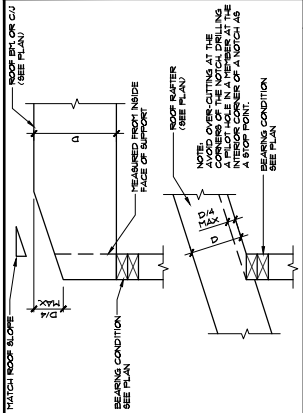
**JINY ARCHITECTURAL**  
 1023 KENT DR.,  
 SAN DIMAS, CA 91773

**CLIENT**  
 JINY ARCHITECTURAL  
 1023 KENT DR.,  
 SAN DIMAS, CA 91773

**PROJECT**  
 19782 SADDLECREST DR.,  
 WALNUT, CA 91789

REVISION	DATE
A	02/07/25
BUILDING DEPARTMENT CORRECTION #1	

**SHEET**  
 FRAMING DETAILS  
**S501**









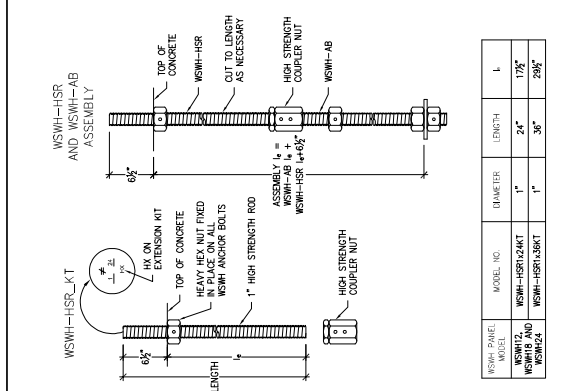
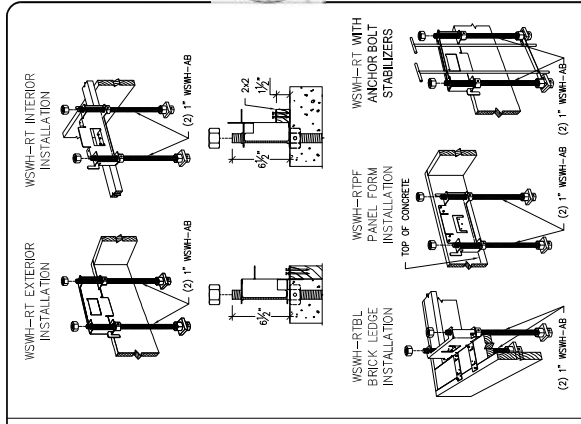
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2	02-06-2021	REVISIONS



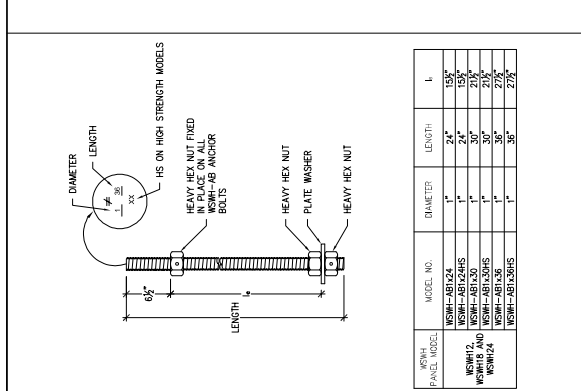
**SIMPSON Strong-Tie Co., Inc.**  
 9900 W. Littleton Blvd.  
 Littleton, CO 80120  
 303.973.9900  
 www.strong-tie.com

**STRONG-WALL® WSWH**  
 ANCHORAGE DETAILS  
 ENGINEERED DESIGNS  
 THERE IS NO COUL.

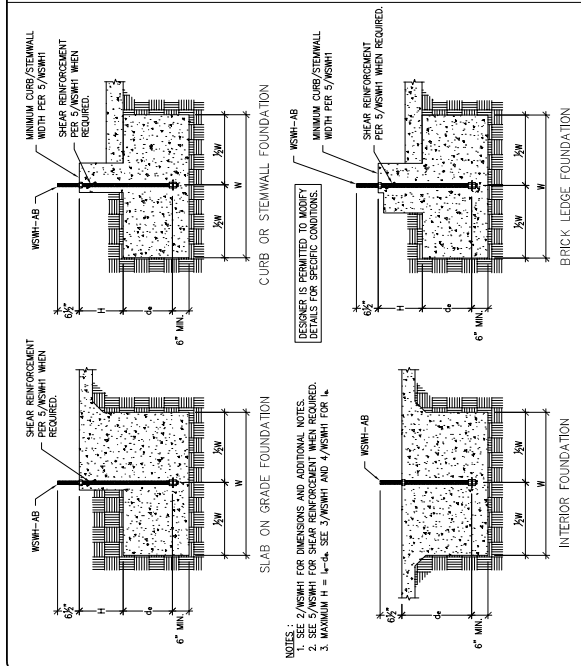
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DATE	02-16-2021
SCALE	N.T.S.
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OF SHEETS	
JOB NO.	



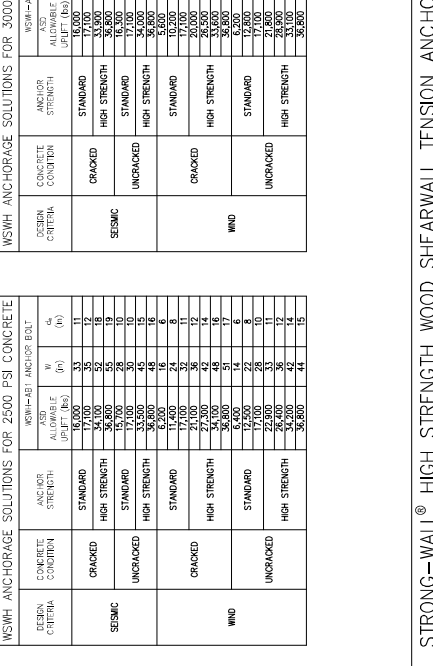
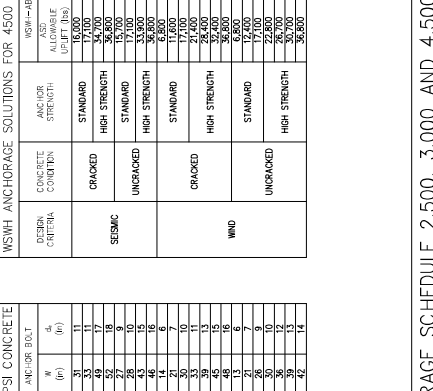
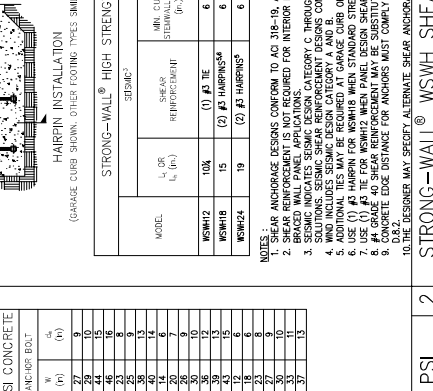
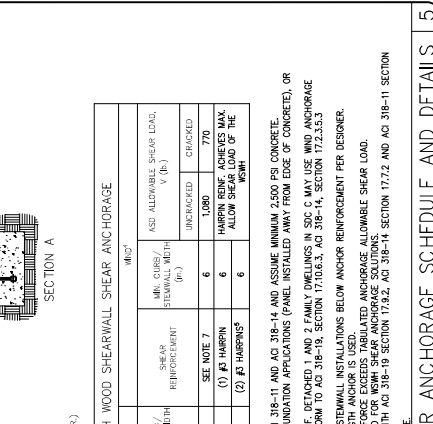
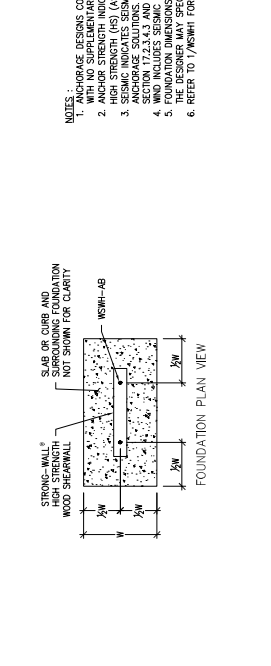
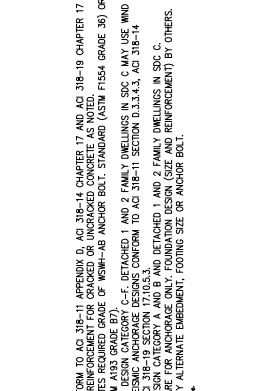
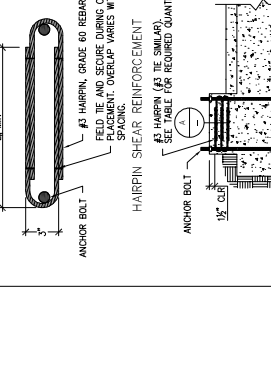
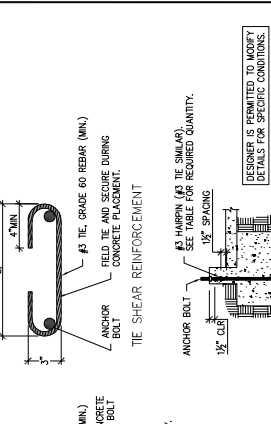
MODEL	DIAMETER	LENGTH	L
WSWH-HSR1ZAKT	1"	24"	24"
WSWH-HSR1ZBKKT	1"	30"	29 1/2"



MODEL	DIAMETER	LENGTH	L
WSWH-HSK1ZAKT	1"	24"	24"
WSWH-HSK1ZBKKT	1"	30"	29 1/2"



**STRONG-WALL® WSWH ANCHORAGE - TYPICAL SECTIONS**



DESIGN CRITERIA	CONCRETE CONDITION	ANCHOR STRENGTH	MIN. CURB/STEMWALL WIDTH (in.)	MIN. CURB/STEMWALL WIDTH (in.)	MIN. CURB/STEMWALL WIDTH (in.)
SEISMIC	CRACKED	STANDARD	12	12	12
	CRACKED	HIGH STRENGTH	12	12	12
	UNCRACKED	HIGH STRENGTH	12	12	12
WIND	CRACKED	STANDARD	12	12	12
	CRACKED	HIGH STRENGTH	12	12	12
	UNCRACKED	HIGH STRENGTH	12	12	12

DESIGN CRITERIA	CONCRETE CONDITION	ANCHOR STRENGTH	MIN. CURB/STEMWALL WIDTH (in.)	MIN. CURB/STEMWALL WIDTH (in.)	MIN. CURB/STEMWALL WIDTH (in.)
SEISMIC	CRACKED	STANDARD	12	12	12
	CRACKED	HIGH STRENGTH	12	12	12
	UNCRACKED	HIGH STRENGTH	12	12	12
WIND	CRACKED	STANDARD	12	12	12
	CRACKED	HIGH STRENGTH	12	12	12
	UNCRACKED	HIGH STRENGTH	12	12	12

DESIGN CRITERIA	CONCRETE CONDITION	ANCHOR STRENGTH	MIN. CURB/STEMWALL WIDTH (in.)	MIN. CURB/STEMWALL WIDTH (in.)	MIN. CURB/STEMWALL WIDTH (in.)
SEISMIC	CRACKED	STANDARD	12	12	12
	CRACKED	HIGH STRENGTH	12	12	12
	UNCRACKED	HIGH STRENGTH	12	12	12
WIND	CRACKED	STANDARD	12	12	12
	CRACKED	HIGH STRENGTH	12	12	12
	UNCRACKED	HIGH STRENGTH	12	12	12

DESIGN CRITERIA	CONCRETE CONDITION	ANCHOR STRENGTH	MIN. CURB/STEMWALL WIDTH (in.)	MIN. CURB/STEMWALL WIDTH (in.)	MIN. CURB/STEMWALL WIDTH (in.)
SEISMIC	CRACKED	STANDARD	12	12	12
	CRACKED	HIGH STRENGTH	12	12	12
	UNCRACKED	HIGH STRENGTH	12	12	12
WIND	CRACKED	STANDARD	12	12	12
	CRACKED	HIGH STRENGTH	12	12	12
	UNCRACKED	HIGH STRENGTH	12	12	12

**STRONG-WALL® HIGH STRENGTH WOOD SHEARWALL TENSION ANCHORAGE SCHEDULE AND DETAILS**

NOTES:  
 1. SEE 2/WSWH FOR DIMENSIONS AND ADDITIONAL NOTES.  
 2. SEE 5/WSWH FOR SHEAR REINFORCEMENT WHEN REQUIRED.  
 3. MAXIMUM H = L<sub>1</sub>-L<sub>2</sub>. SEE 3/WSWH AND 4/WSWH FOR L<sub>1</sub>.

DESIGNER IS PERMITTED TO MODIFY DETAILS FOR SPECIFIC CONDITIONS.

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TABLE 1: STRONG-WALL® WSWH SECOND-STORY WALLS STACKED APPLICATION

MODEL NO.	W (IN.)	H (IN.)	HEIGHT (FT.)	WEIGHT (LB.)
WSWH12x7	12	84	105	155
WSWH12x8	12	96	120	175
WSWH12x9	12	108	135	195
WSWH12x10	12	120	150	215
WSWH12x11	12	132	165	235
WSWH12x12	12	144	180	255
WSWH12x13	12	156	195	275
WSWH12x14	12	168	210	295
WSWH12x15	12	180	225	315
WSWH12x16	12	192	240	335
WSWH12x17	12	204	255	355
WSWH12x18	12	216	270	375
WSWH12x19	12	228	285	395
WSWH12x20	12	240	300	415
WSWH12x21	12	252	315	435
WSWH12x22	12	264	330	455
WSWH12x23	12	276	345	475
WSWH12x24	12	288	360	495
WSWH12x25	12	300	375	515

TABLE 2: STRONG-WALL® WSWH FIRST-STORY WALLS STACKED APPLICATION

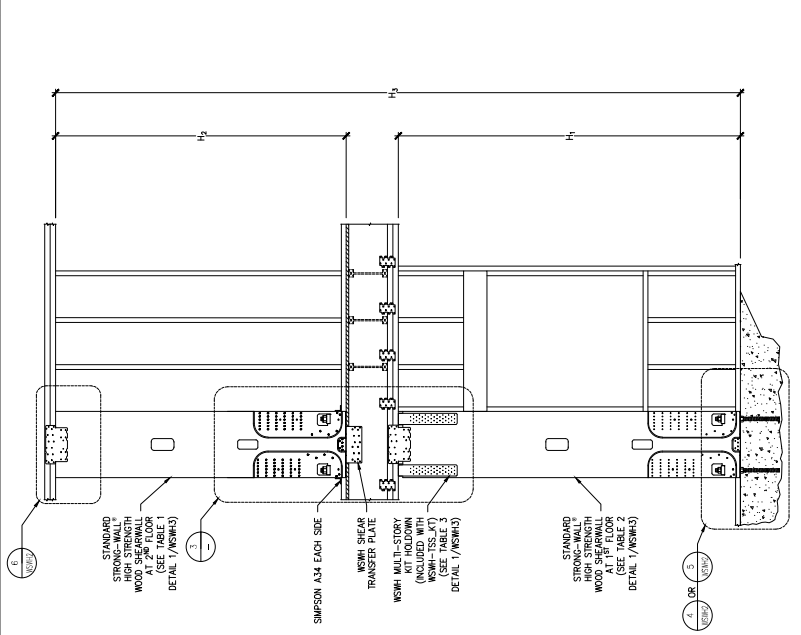
MODEL NO.	W (IN.)	H (IN.)	HEIGHT (FT.)	WEIGHT (LB.)
WSWH12x8	12	96	120	175
WSWH12x9	12	108	135	195
WSWH12x10	12	120	150	215
WSWH12x11	12	132	165	235
WSWH12x12	12	144	180	255
WSWH12x13	12	156	195	275
WSWH12x14	12	168	210	295
WSWH12x15	12	180	225	315
WSWH12x16	12	192	240	335
WSWH12x17	12	204	255	355
WSWH12x18	12	216	270	375
WSWH12x19	12	228	285	395
WSWH12x20	12	240	300	415
WSWH12x21	12	252	315	435
WSWH12x22	12	264	330	455
WSWH12x23	12	276	345	475
WSWH12x24	12	288	360	495
WSWH12x25	12	300	375	515

TABLE 3: TWO-STORY STACKED WALL CONNECTION KIT

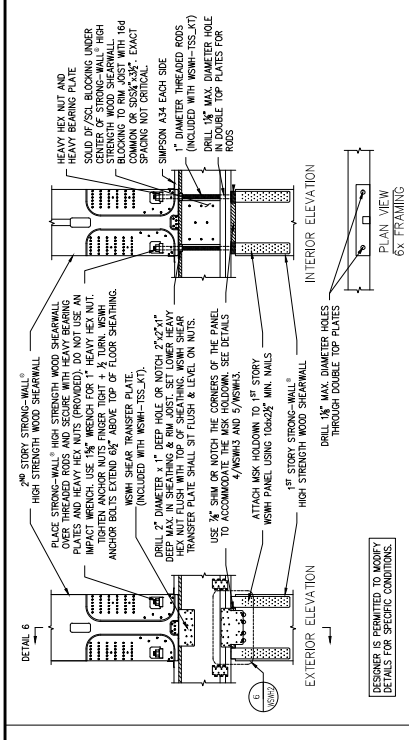
WALL WIDTH (IN.)	MODEL NO.	CONTENTS
12	WSWH-TS2TKT	(1) 1" x 3" x 30" COMPOSITE PLATE (2) MULTI-STORY KIT HOLDINGS
18	WSWH-TS18TKT	(1) 1" x 3" x 30" THREADED RODS (2) HEAVY HEX NUTS
24	WSWH-TS24TKT	(1) MULTI-STORY KIT HOLDINGS (2) HEAVY HEX NUTS

NOTES:  
 1. PANELS COME WITH PRE-ATTACHED WASHERS, TWO HEAVY HEX NUTS, TWO HEAVY BEARING PLATES, ONE WSWH-TIP TOP CONNECTIONS, AND ONE WSWH-TS2TKT CONNECTIONS.  
 2. KIT INCLUDES FASTENERS AND INSTALLATION INSTRUCTIONS.  
 3. TWO-STORY STACKED APPLICATIONS KIT INCLUDES TWO MULTI-STORY KIT HOLDINGS, TWO THREADED RODS, SHEAR TRANSFER PLATE, TWO WSWH-TS2TKT CONNECTIONS, AND TWO WSWH-TS24TKT CONNECTIONS.  
 4. ALL PANELS ARE 1/2" THICK.

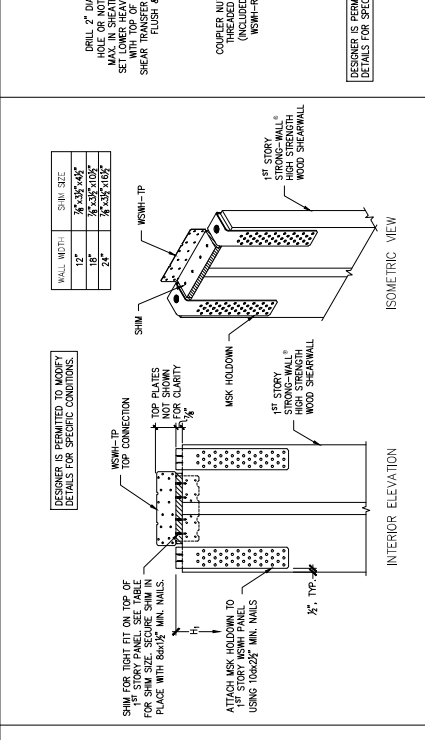
1 TWO-STORY STACKED WSWH MODELS



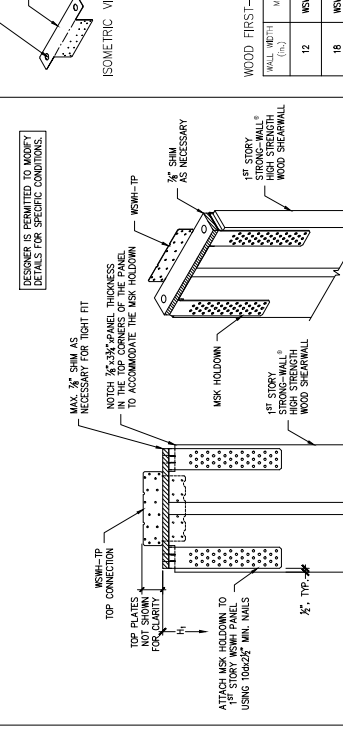
NOTE: 1ST STORY WSWH MUST BE THE SAME WIDTH AS THE 2ND STORY WSWH.  
 LEGEND:  
 • H<sub>1</sub> = 1ST STORY WSWH HEIGHT; TOP OF CONCRETE TO UNDERSIDE OF 1ST STORY TOP PLATES (IN)  
 • H<sub>2</sub> = 2ND STORY WSWH HEIGHT; TOP OF FLOOR SHEATHING TO UNDERSIDE OF 2ND STORY TOP PLATES (IN)  
 • H<sub>3</sub> = ALTERNATE HEIGHT; TOP OF CONCRETE TO UNDERSIDE OF 2ND STORY TOP PLATES (IN)  
 DESIGNER IS PERMITTED TO MODIFY DETAILS FOR SPECIFIC CONDITIONS.



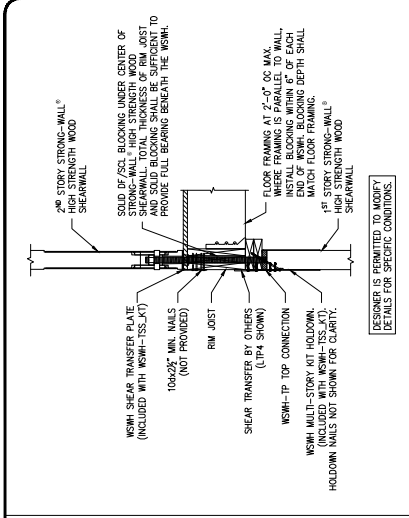
2 TWO-STORY STACKED FLOOR SECTION



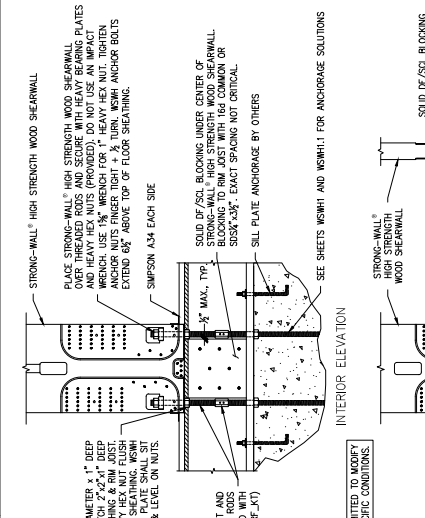
3 TWO-STORY STACKED FLOOR SECTION



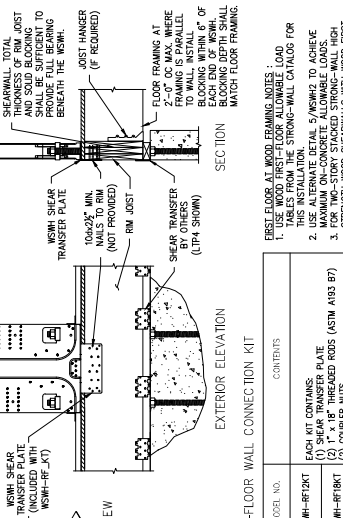
NOTE: 1ST STORY WSWH MUST BE THE SAME WIDTH AS THE 2ND STORY WSWH.  
 LEGEND:  
 • H<sub>1</sub> = 1ST STORY WSWH HEIGHT; TOP OF CONCRETE TO UNDERSIDE OF 1ST STORY TOP PLATES (IN)  
 • H<sub>2</sub> = 2ND STORY WSWH HEIGHT; TOP OF FLOOR SHEATHING TO UNDERSIDE OF 2ND STORY TOP PLATES (IN)  
 • H<sub>3</sub> = ALTERNATE HEIGHT; TOP OF CONCRETE TO UNDERSIDE OF 2ND STORY TOP PLATES (IN)  
 DESIGNER IS PERMITTED TO MODIFY DETAILS FOR SPECIFIC CONDITIONS.



4 TWO-STORY STACKED FLOOR SECTION



5 TWO-STORY STACKED FLOOR SECTION



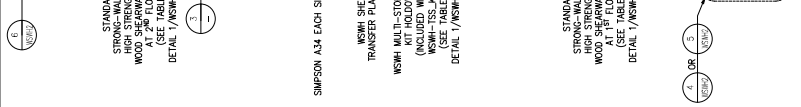
NOTE: 1ST STORY WSWH MUST BE THE SAME WIDTH AS THE 2ND STORY WSWH.  
 LEGEND:  
 • H<sub>1</sub> = 1ST STORY WSWH HEIGHT; TOP OF CONCRETE TO UNDERSIDE OF 1ST STORY TOP PLATES (IN)  
 • H<sub>2</sub> = 2ND STORY WSWH HEIGHT; TOP OF FLOOR SHEATHING TO UNDERSIDE OF 2ND STORY TOP PLATES (IN)  
 • H<sub>3</sub> = ALTERNATE HEIGHT; TOP OF CONCRETE TO UNDERSIDE OF 2ND STORY TOP PLATES (IN)  
 DESIGNER IS PERMITTED TO MODIFY DETAILS FOR SPECIFIC CONDITIONS.

TABLE 4: WOOD FIRST-FLOOR WALL CONNECTION KIT

WALL WIDTH (IN.)	MODEL NO.	CONTENTS
12	WSWH-RF12KT	(1) SHEAR TRANSFER PLATE (2) 1" x 1/8" x 18" THREADED RODS (ASTM A193 B7) (3) HEAVY HEX NUTS (4) INSTALLATION INSTRUCTIONS
18	WSWH-RF18KT	(1) SHEAR TRANSFER PLATE (2) 1" x 1/8" x 18" THREADED RODS (ASTM A193 B7) (3) HEAVY HEX NUTS (4) INSTALLATION INSTRUCTIONS
24	WSWH-RF24KT	(1) SHEAR TRANSFER PLATE (2) 1" x 1/8" x 18" THREADED RODS (ASTM A193 B7) (3) HEAVY HEX NUTS (4) INSTALLATION INSTRUCTIONS

NOTE: 1. USE AS DIRECTED IN THE WOOD-FLOOR-TO-WALL CONNECTION KIT FOR STRONG-WALL® WSWH. THIS IS AN ALTERNATE TO THE STRONG-WALL® WSWH WOOD-FLOOR-TO-WALL CONNECTION KIT.  
 2. USE ALTERNATE DETAIL 5/WSWH2 TO ACHIEVE STRENGTH WOOD SHEARWALLS WITH WOOD FIRST FLOOR SHEATHING.  
 3. DESIGNER SHALL DESIGN FOR SHEAR TRANSFER FROM RM JOIST TO SILL PLATE AND SILL PLATE TO FOUNDATION.

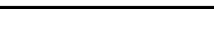
6 FIRST FLOOR AT WOOD FRAMING



NOTE: 1ST STORY WSWH MUST BE THE SAME WIDTH AS THE 2ND STORY WSWH.  
 LEGEND:  
 • H<sub>1</sub> = 1ST STORY WSWH HEIGHT; TOP OF CONCRETE TO UNDERSIDE OF 1ST STORY TOP PLATES (IN)  
 • H<sub>2</sub> = 2ND STORY WSWH HEIGHT; TOP OF FLOOR SHEATHING TO UNDERSIDE OF 2ND STORY TOP PLATES (IN)  
 • H<sub>3</sub> = ALTERNATE HEIGHT; TOP OF CONCRETE TO UNDERSIDE OF 2ND STORY TOP PLATES (IN)  
 DESIGNER IS PERMITTED TO MODIFY DETAILS FOR SPECIFIC CONDITIONS.

TABLE 5: REVISIONS

NO.	DATE	REVISIONS
1	06-14-2021	FIRST RELEASE: 2021 B.C.



SIMPSON STRONG-TIE CO. INC.  
 3800 KINGSWAY DRIVE, SUITE 100  
 FOLSOM, CA 95630  
 TEL: (916) 999-9099  
 WWW.SIMPSONSTRONGTIE.COM

STRONG-WALL® WSWH  
 FIRST FLOOR WALL AND TWO-STORY STACKED  
 ENGINEERED DETAILS  
 THERE IS NO EQUAL.  
 SIMPSON STRONG-TIE

TABLE 6: SHEETS

NAME	DATE	SCALE	SHEET	OF SHEETS
WSWH3	06-14-2021	A1.5	1	1

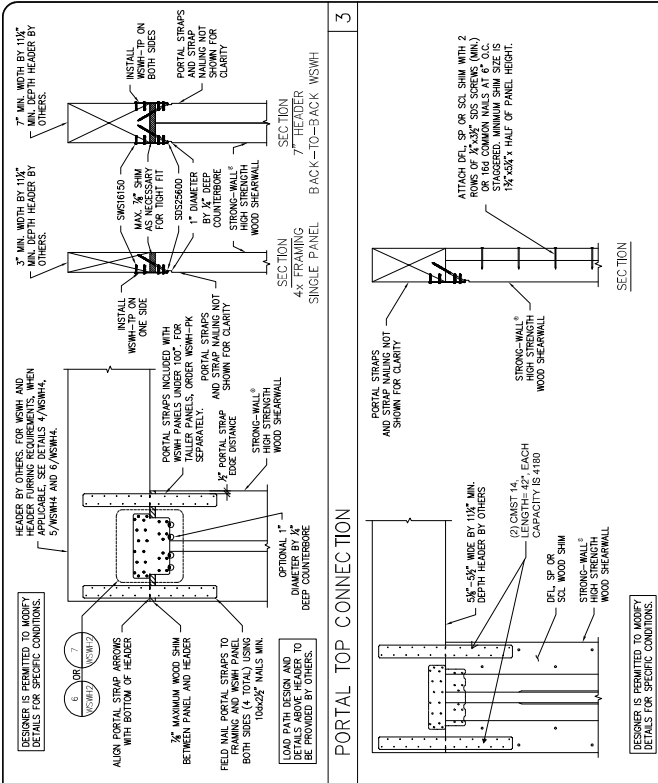
NO.	DATE	REVISIONS
1	05-05-2021	2021 MC REVISIONS
2	11-24-2023	REVISIONS



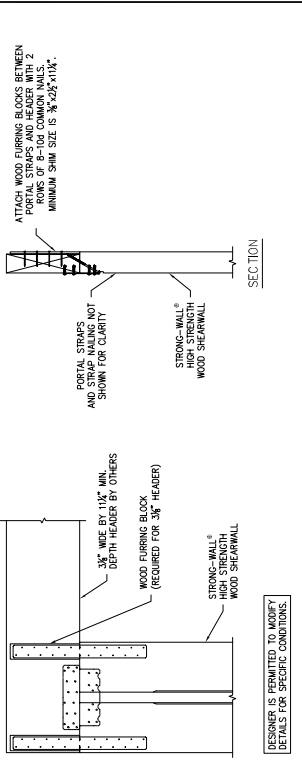
**SIMPSON STRONG-TIE Co., Inc.**  
 9950 W. Lake Forest Blvd.  
 Channahon, IL 61018  
 Phone: 815-398-2200  
 Fax: 815-398-2201  
 Website: www.strongtie.com

**STRONG-WALL® WSWH**  
 PORTAL SYSTEM  
 FRAMING DETAILS  
 ENGINEERED DESIGNS

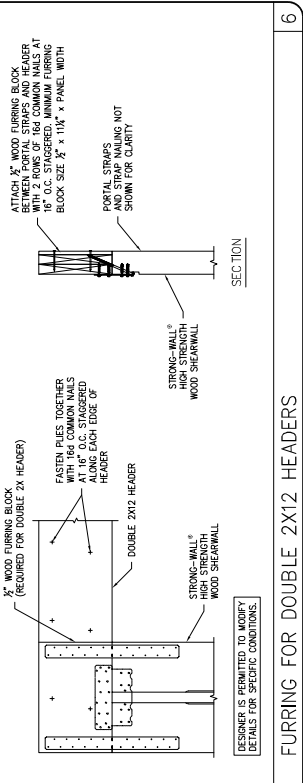
DATE: 05-16-2021  
 SCALE: N.T.S.  
 CHECKED: \_\_\_\_\_  
 SHEET: WSWH4  
 OF SHEETS: \_\_\_\_\_  
 JOB NO.: \_\_\_\_\_



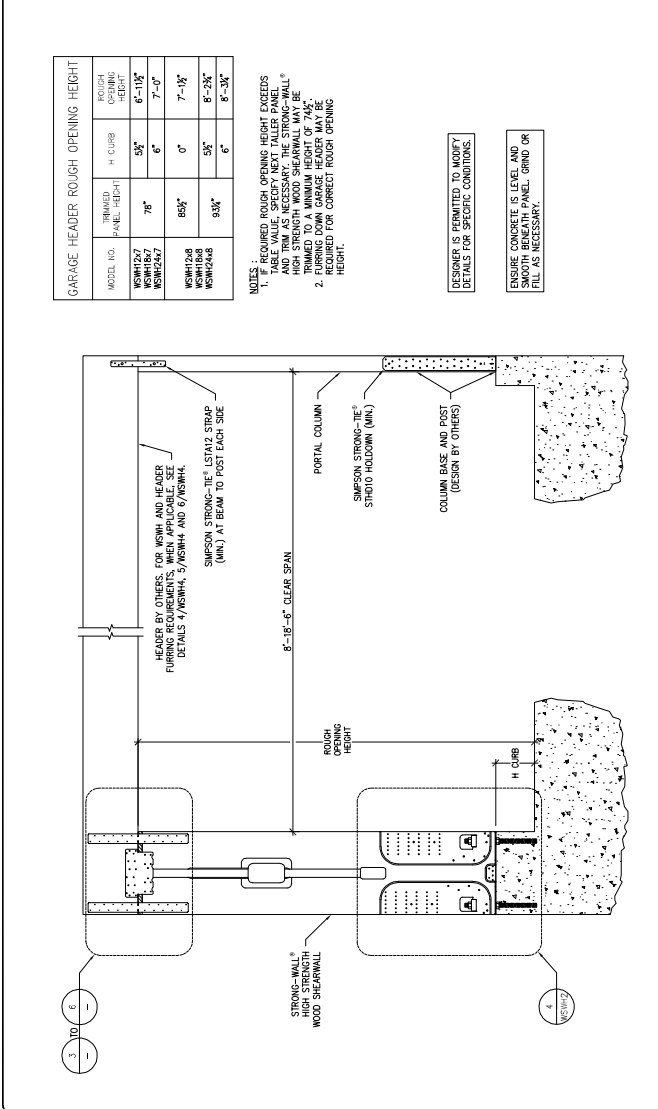
1 FURRING FOR 5/8\"/>



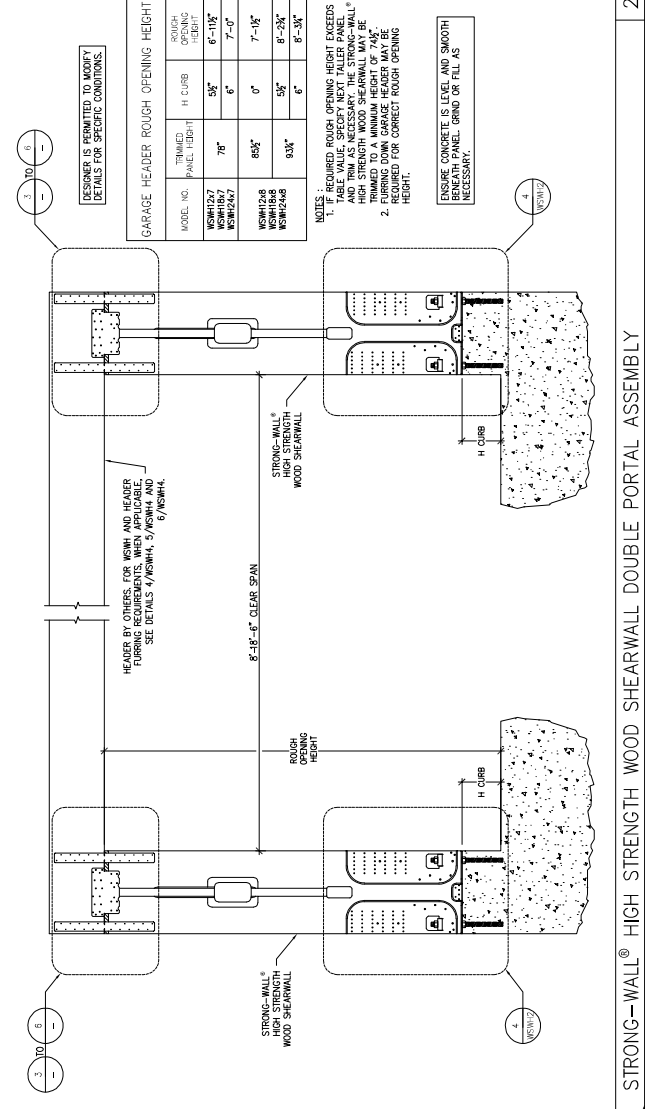
2 FURRING FOR DOUBLE 2X12 HEADERS



3 FURRING FOR 3/8\"/>



4 STRONG-WALL® HIGH STRENGTH WOOD SHEARWALL SINGLE PORTAL ASSEMBLY



5 STRONG-WALL® HIGH STRENGTH WOOD SHEARWALL DOUBLE PORTAL ASSEMBLY

**GARAGE HEADER ROUGH OPENING HEIGHT**

MODEL NO.	TRIMMED PANEL HEIGHT	H CURB	ROUGH OPENING HEIGHT
WSWH227	78"	0"	6'-11 1/2"
WSWH167	78"	6"	7'-0"
WSWH247	85 1/2"	0"	7'-1 1/2"
WSWH128	85 1/2"	6"	7'-1 1/2"
WSWH188	93 1/2"	0"	8'-2 1/2"
WSWH248	93 1/2"	6"	8'-3 1/2"

**NOTES:**  
 1. TABLE VALUE SPECIFY NEXT TALLER PANEL AND TRIM AS NECESSARY. THE STRONG-WALL® HIGH STRENGTH WOOD SHEARWALL MAY BE TRIMMED TO A MINIMUM HEIGHT OF 74 1/2".  
 2. FURRING DOWN GARAGE HEADER MAY BE REQUIRED FOR CORRECT ROUGH OPENING HEIGHT.

DESIGNER IS PERMITTED TO MODIFY DETAILS FOR SPECIFIC CONDITIONS.  
 ENSURE CONCRETE IS LEVEL AND SMOOTH TO PROVIDE PROPER PANEL GRIND OR FALL AS NECESSARY.

DESIGNER IS PERMITTED TO MODIFY DETAILS FOR SPECIFIC CONDITIONS.

**GARAGE HEADER ROUGH OPENING HEIGHT**

MODEL NO.	TRIMMED PANEL HEIGHT	H CURB	ROUGH OPENING HEIGHT
WSWH227	78"	0"	6'-11 1/2"
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**NOTES:**  
 1. TABLE VALUE SPECIFY NEXT TALLER PANEL AND TRIM AS NECESSARY. THE STRONG-WALL® HIGH STRENGTH WOOD SHEARWALL MAY BE TRIMMED TO A MINIMUM HEIGHT OF 74 1/2".  
 2. FURRING DOWN GARAGE HEADER MAY BE REQUIRED FOR CORRECT ROUGH OPENING HEIGHT.

ENSURE CONCRETE IS LEVEL AND SMOOTH TO PROVIDE PROPER PANEL GRIND OR FALL AS NECESSARY.

DESIGNER IS PERMITTED TO MODIFY DETAILS FOR SPECIFIC CONDITIONS.