

SCOPE OF WORK

2-STORY ADDITION TO INCLUDE 3 BEDROOMS AND 2 TWO BATHS.
 THE RENOVATION OF AN EXISTING BEDROOM INTO A MASTER BEDROOM.
 THE RENOVATION OF THE EXISTING BATHROOM INTO A POWDER ROOM.
 THE RENOVATION OF THE LAUNDRY ROOM

PROJECT ANALYSIS

ASSESSORS PARCEL NUMBER: 202-0-030-410
 PROJECT ADDRESS: 121 S. G STREET
 ZONING: R-1

SETBACKS:	REQUIRED	PROPOSED
HEIGHT	25'	24'-8"
FRONT	20'	20'
SIDE	10% WIDE 5' MAX	5'
REAR	25% LOT DEPTH 15' MIN ABUTTING AN ALLEY	15'
INTERIOR YARD SPACE	15% OF LOT OR 900 SF	1,396.0 SF

SITE AREA: (0.16 AC) 7,000.0 S.F.
 ORIGINALLY CONSTRUCTED: 1925

EXISTING USE: RESIDENTIAL
 PROPOSED USE: RESIDENTIAL

EXISTING CONSTRUCTION TYPE: V-B
 PROPOSED CONSTRUCTION TYPE: V-B
 EXISTING OCCUPANCY GROUP: R-3
 PROPOSED OCCUPANCY GROUP: R-3
 FIRE SPRINKLER SYSTEM: YES

AREA OF BUILDING
 EXISTING MAIN RESIDENCE: 910.0 S.F.
 EXISTING PORCH: 131.0 S.F.

EXISTING DETACHED BUILDING
 ADU: 270.3 S.F.
 1946 GARAGE: 402.5 S.F.
 1925 (ORIGINAL) GARAGE: 151.3 S.F.
 ATTACHED STORAGE: 66.0 S.F.

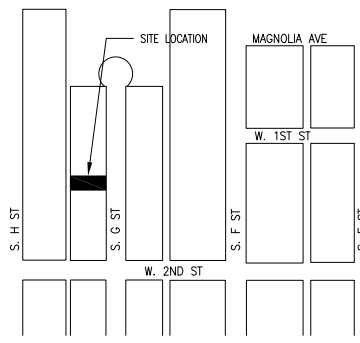
PROPOSED
 MAIN RESIDENCE RENOVATED: 274.9 S.F.
 MAIN ADDITION 1ST FLOOR: 497.6 S.F.
 MAIN ADDITION 2ND FLOOR: 521.4 S.F.
 TOTAL ADDITION: 1,019.0 S.F.
 TOTAL RESIDENCE: 1,929.0 S.F.

TITLE-24 ENERGY SUMMARY:
 ATTIC SPACE: R-30
 EXTERIOR WALLS: R-15
 SUB-FLOOR: R-19

APPLICABLE CODES

ALL WORK SHALL CONFORM TO:
 2019 BUILDING STANDARDS ADMINISTRATIVE CODE, PT. 1, TITLE 24 C.C.R.
 2019 CA BUILDING CODE, PT. 2, TITLE 24 C.C.R.
 2019 CA ELECTRICAL CODE, PT. 3, TITLE 24 C.C.R.
 2019 CA MECHANICAL CODE, PT. 4, TITLE 24 C.C.R.
 2019 CA PLUMBING CODE, PT. 5, TITLE 24 C.C.R.
 2019 CA FIRE CODE, PT. 9, TITLE 24 C.C.R.
 2019 CA ENERGY CODE, (CEC) TITLE 24 C.C.R.
 2019 CA REFERENCED STANDARDS CODE, PT. 12, TITLE 24 C.C.R.
 2019 NFPA 72, NATIONAL FIRE ALARM CODES

VICINITY MAP



PROJECT DIRECTORY

OWNER
 JOSE & CINDY HERNANDEZ
 121 G STREET
 OXNARD CA

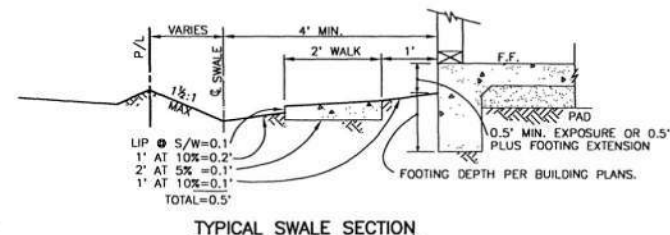
DESIGNER
 SANCHEZ PLANNING & DESIGN
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 1130 OSA COURT
 OXNARD, CA 93035
 PHONE - (805) 512.6476
 Mike.Sanchez.SP@gmail.com

ENERGY CONSULTANT
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 888-701-8927

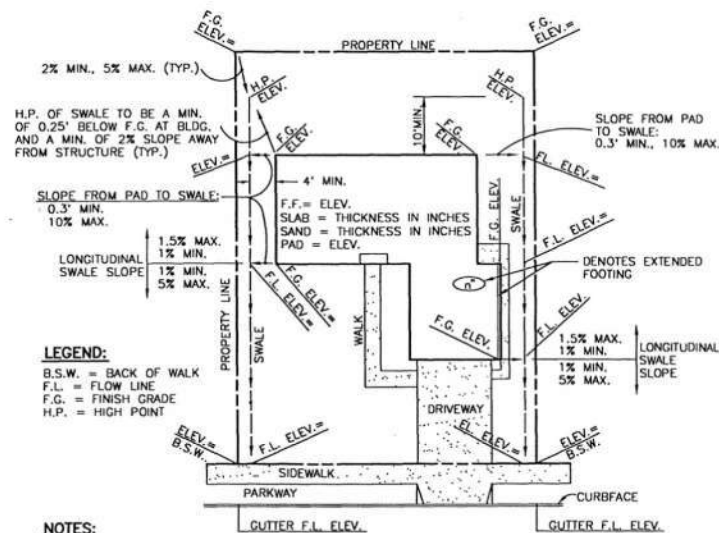
STRUCTURAL ENGINEER
 DAVID REITH
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PERSPECTIVE



TYPICAL SWALE SECTION



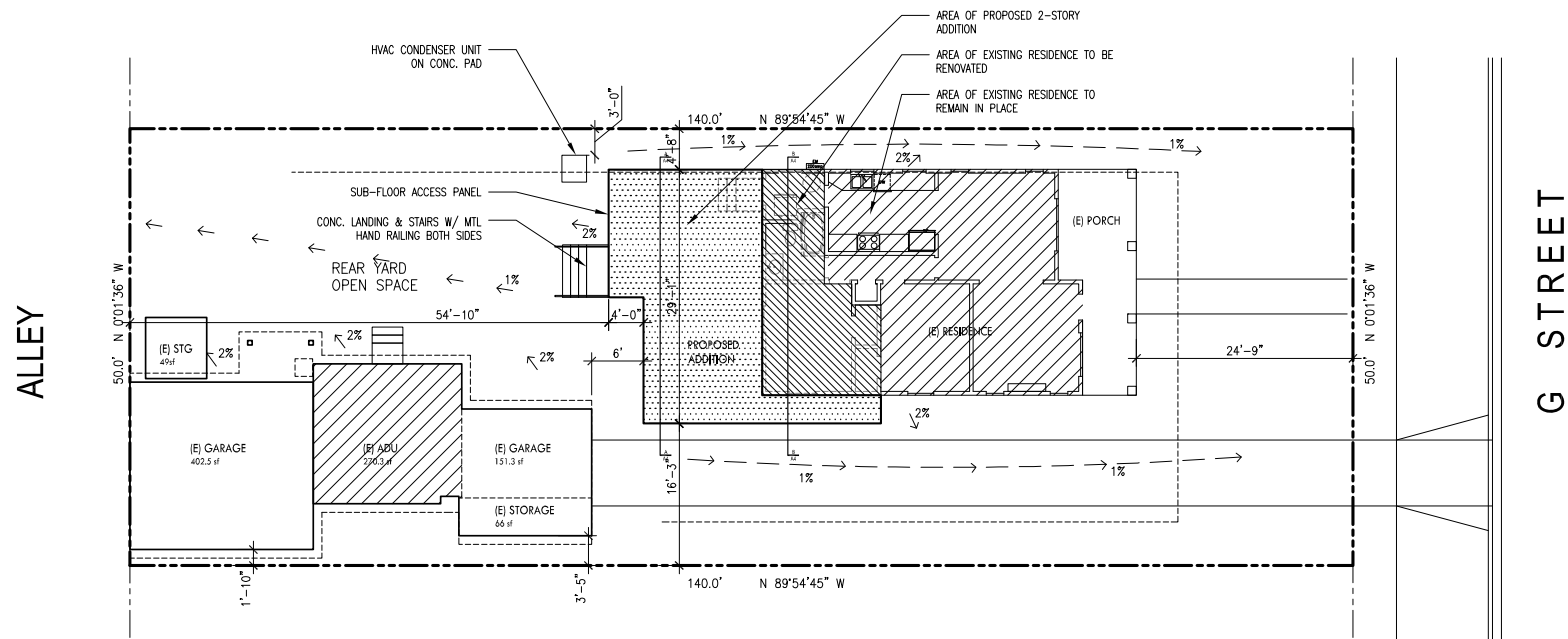
LEGEND:

B.S.W. = BACK OF WALK
 F.L. = FLOW LINE
 F.G. = FINISH GRADE
 H.P. = HIGH POINT

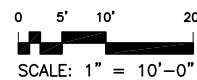
NOTES:

1. THE "n" DENOTES AN EXTENDED FOOTING WHERE "n" EQUALS THE EXTENDED FOOTING DEPTH.
2. DEVIATION FROM THIS CRITERIA WILL REQUIRE PRIOR APPROVAL OF THE CITY OF OXNARD.
3. CALL OUT ALL ELEVATIONS AS SHOWN.
4. THIS PLATE PRIMARILY APPLIES TO SINGLE FAMILY RESIDENTIAL DEVELOPMENT. FINISH FLOOR ELEV. SHALL BE 25" ABOVE THE LOWEST ADJACENT STREET GUTTER OR BE PROTECTED FROM A 100 YEAR STORM STORM, WHICHEVER IS GREATER.
5. SIDEWALK DRAINS SHALL NOT BE USED IN RESIDENTIAL CONSTRUCTION.

OXNARD STANDARD PLATE 601



County of Ventura
 May 9, 2022
 Cultural Heritage Board Meeting
 Item 7a
 Exhibit 1 - Proposed Plans



SITE PLAN

SHEET INDEX

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A2			FLOOR PLAN
A3			ROOF PLAN
A4			SECTIONS A, B, C
A5			EXTERIOR ELEVATIONS
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STRUCTURAL

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GENERAL NOTES

1. DOWN SPOUTS AND AREA DRAINS TO BE ROUTED TO NON-EROSIVE AREAS OR APPROVED WATER COARSE.
2. SOILS PREPARATION IS TO CONFORM TO UBC MIN. REQUIREMENTS.
3. FINISH GRADING FOR RESIDENTIAL ADDITIONS SHALL HAVE NO UNDRAINED AREAS AND ALL WATER RUNOFF SHALL DRAIN TO THE STREET AND ALLEY. SEE DETAIL 13/D2.
4. THE ADDITION SHALL BE CONSTRUCTED AS TO HAVE A FINISH FLOOR AT LEAST 25" (2.08') ABOVE THE ELEVATION OF THE LOWEST ADJACENT STREET GUTTER.
5. "NO GRADING PERMIT REQUIRED" - LESS THEN 50 CUBIC YARDS OF EARTH MOVED WILL NOT REQUIRE A GRADING PERMIT.
6. ALL HOLDDOWS SHALL BE SET IN PLACE BY TEMPLATE PRIOR TO FOUNDATION INSPECTION.

RESIDENTIAL ADDITION
 HERNANDEZ Residence
 121 S. G Street Oxnard CA 93030
 APN 202-0-030-410

No. DATE
 Project No: 2102 2021.04.05

**COVER /
 SITE PLAN**

A0

SHEET OF ..



DATE	REVISIONS
06/09/2021	
	PLAN CHECK/REVISIONS (REV) 04/04/2020
No.	

ABBREVIATIONS

L ANGLE NUMBER	MAS MASONRY MATERIAL MAXIMUM
AB ANCHOR BOLT	MB MACHINE BOLT
ABV ABOVE	MC MEDICINE CABINET
AC ACOUSTIC	(ME) MATCH EXISTING
ACP ASPHALTIC CONCRETE PAVING	MFR MANUFACTURER
ADJ ADJUSTABLE	MIN MINIMUM
AFF ABOVE FINISH FLOOR	MISC MISCELLANEOUS
AL ALUMINUM	MO MASONRY OPENING
BD BOARD	MTD MOUNTED
BLDG BUILDING	MTL METAL
BLKG BLOCKING	N NORTH
BM BEAM	(N) NEW
BTWN BETWEEN	NG NATURAL GRADE
BUR BUILT-UP ROOFING	NIC NOT IN CONTRACT
C CHANNEL or CONDUIT	NTS NOT TO SCALE
CB CABINET	O/ OVER
CB CATCH BASIN	OBS OBSIGURE
CEM CEMENT	OC ON CENTER
CI CAST IRON	OD OUTSIDE
CJ CONSTRUCTION JOINT	OH OVERHEAD
CL CENTERLINE	OPG OPENING
CLG CEILING	OPP OPPOSITE
CLO CLOSET	OTO OUT TO OUT
CLR CLEAR	P POST
CMU CONCRETE MASONRY UNIT	PC PRECAST
CONC CONCRETE	PDF POWDER-DRIVEN FASTENER
COND CONDITION	PL PLATE LINE
CONT CONTINUOUS	PLAM PLASTIC LAMINATE
CPT CARPET	PLAS PLASTER
CT CERAMIC TILE	PNL PANEL
CTR COUNTER	PR PAIR
CTSK COUNTERSINK	PTF POINT
D DEEP	PTD PRESSURE TREATED DOUGLAS FIR
DBL DOUBLE	PTN PARTITION
DF DOUGLAS FIR or DRINKING FOUNTAIN	PWD PLYWOOD
DET DETAIL	QT QUARRY TILE
DIM DIMENSION	QTY QUANTITY
DN DOWN	R RISER or RADIUS
DR DOOR	(R) RELOCATE EXISTING
DS DOWNSPOUT	RC RESILIENT CHANNEL
DWR DRAWER	RD ROOF DRAIN
E EAST	REFR REFRIGERATOR
(E) EXISTING	REINFR REINFORCING
EK EACH	REIN REQUIRED
EJ EXPANSION JOINT	REID RIGHT HAND
EL ELECTRICAL	RM ROOM
ELEV ELEVATION	RO ROUGH OPENING
EPB ELECTRICAL PANELBOARD	RS ROUGH SAWN
EQ EQUAL	RWD REDWOOD
EW EACH WAY	RWL RAINWATER LEADER
EXT EXTERIOR	S SOUTH
FAU FORCED-AIR UNIT	SC SOLID CORE
FD FLOOR DRAIN	SHT SHEET
FDN FOUNDATION	SHTG SHEATHING
FFL FINISH FLOOR LINE	SHWR SHOWER
FG FINISH GRADE or FIXED GLASS	SHV SHELF
FHWS FLAT HEAD WOOD SCREW	SM SIMILAR
FIXT FIXTURE	SPEC SPECIFICATION
FIN FINISH	SMS SHEET METAL SCREW
FLR FLOOR	SOV SHUT-OFF VALVE
FLUOR FLUORESCENT	SQ SQUARE
FO FACE OF	SS STAINLESS STEEL
FOC FACE OF CONCRETE	STD STANDARD
FOM FACE OF MASONRY	STL STEEL
FOS FACE OF STUD	STR STRUCTURAL
FP FIREPLACE	SUSP SUSPENDED
FRM FRAME	T TREAD
FTG FOOTING	TB TOWEL BAR
GA GAUGE	TBR TO BE REMOVED
GALV GALVANIZED	TO TOP OF CURB
GFI GROUND FAULT INTERRUPT	TEL TELEPHONE
GI GALVANIZED IRON	TEMP TEMPERED
GL GLASS or GLAZING	TEN TYPICAL EDGE NAILING
GND GROUND	T&G TONGUE & GROOVE
GR GRADE	THK THICK
GWB GYPSUM WALLBOARD	TP TOP OF PAVING
H HIGH	TS TOP OF SLAB
HB HOSE BIBB	TSR TOP-SET RUBBER
H/C HANDICAPPED	TV TELEVISION CABLE
HDWE HARDWARE	TW TOP OF WALL
HM HOLLOW METAL	TYP TYPICAL
HR HOUR	THOLD THRESHOLD
HT HEIGHT	UG UNDERGROUND
HWD HARDWOOD	UNF UNFINISHED
HWH HOT WATER HEATER	UON UNLESS OTHERWISE NOTED
ID INSIDE DIMENSION	VERT VERTICAL
INSUL INSULATION	VG VERTICAL GRAIN
INT INTERIOR	VNI VINYL
JT JOINT	VT VINYL TILE
LAM LAMINATE	VTR VENT THROUGH ROOF
LH LEFT HAND	W WIDE or WEST
LKG LOOKING	W/ WITH
L/S LAZY SUSAN	WC WATER CLOSET
LT LIGHT	WD WOOD
LVR LOUVER	WDW WINDOW
	WI WROUGHT IRON
	WP WEATHERPROOF
	WPM WATERPROOF MEMBRANE
	WT WEIGHT
	WWM WELDED WIRE MESH

SYMBOLS

KEYNOTE, SEE LIST	ROOM NUMBER
DETAIL NUMBER	DOOR NUMBER
SHEET NUMBER	WINDOW LETTER
SECTION NUMBER	DOOR ASSEMBLY/STOREFRONT LETTER
ELEVATION NUMBER/LETTER/DIRECTION	EQUIPMENT TYPE
ELEVATION SET NUMBER	REVISION NUMBER
MATCH LINE	WALL TAG
UNIT TAG	
UNIT NUMBER	
UNIT TYPE	
UNIT AREA	

ELECTRICAL

- ONE 15 AMP. CIRCUIT SHALL FEED NO MORE THAN 600 SQ. FT. AREA OR 10 RECEPTACLES
- ONE 20 AMP. CIRCUIT SHALL FEED NO MORE THAN 800 SQ. FT. AREA OR 13 RECEPTACLES
- TWO 20 AMP. CIRCUITS PER SEC. 220-4(b) FOR SMALL APPLIANCE CIRCUITS FOR EA. 1500 VA (1500 WATTS, PER SEC. 220-16(c)) TO SERVE ALL RECEPTACLE OUTLETS INCLUDING REFRIGERATION EQUIPMENT, IN THE KITCHEN, BREAKFAST ROOM, DINING ROOM, OR SIMILAR AREA
- D. ONE 15 AMP. LAUNDRY CIRCUIT FOR EACH 1500 VA (OR 1500 WATTS, PER SEC. 220-16(b)).
- E. PLACE RECEPTACLES AT 15" MINIMUM FROM FINISHED FLOORS TO CENTER OF RECEPTACLE
- F. ONE 15 AMP. CIRCUIT SHALL FEED NO MORE THAN 600 SQ. FT. AREA OR 10 RECEPTACLES
- G. ONE 15 AMP. CIRCUIT SHALL FEED NO MORE THAN 600 SQ. FT. AREA OR 10 RECEPTACLES
- H. HORIZONTAL SPACE BETWEEN RECEPTACLES IN BEDROOMS, LIVING ROOMS, DEN, SUN ROOMS, RECREATIONAL ROOMS ETC; NO POINT ALONG THE FLOOR LINE IN ANY WALL SPACE (2 FT. OR WIDER) SHALL BE MORE THAN 6 FT. FROM AN OUTLET IN THAT SPACE
- I. PROVIDE GROUND FAULT CIRCUIT INTERRUPTION (GFCI) FOR RECEPTACLES INSTALLED IN BATHROOMS, GARAGES, OUTDOORS WITHIN 6'-6" ABOVE GRADE OR ACCESS LEVEL, CRAWL SPACES IN UNFINISHED (NOT HABITABLE) BASEMENTS, IN WET AREAS WITHIN 6' OF A SINK IN A BATHROOM, KITCHEN, WET BAR OR SIMILAR SITUATIONS
- J. INTERIOR LIGHTING- ICANDESCENT LIGHTING MAY BE USED IN BATH, STORAGE, GAME ROOMS PROVIDED THAT THE LIGHT(S) ARE CONTROLLED BY A "MANUAL-ON" SENSOR; OR SPECIFY FLUORESCENT LIGHT (PINBASE SOCKET FIXTURE) ON THE LIGHTING PLAN.
- EXTERIOR LIGHTING- FLUORESCENT LIGHT (PINBASE SOCKET FIXTURE) OR ICANDESCENT LIGHT SHALL BE BY A PHOTOCONTROL/MOTION SENSOR TYPE.
- K. THE LIGHTING FIXTURES THAT ARE RECESSED INTO INSULATED CEILING ARE REQUIRED TO BE RATED FOR INSULATION CONTACT (IC RATED) SO THAT INSULATION CA BE PLACED OVER THEM. THE HOUSING OF THE FIXTURE SHALL BE AIRTIGHT TO PREVENT CONDITIONED AIR FROM ESCAPING INTO THE CEILING CAVITY OR ATTIC SPACE OR PREVENT UNCONDITIONED AIR FROM INFILTRATING INTO CONDITIONED SPACE.

PLUMBING

- ALL LABOR MATERIALS AND EXECUTION REQUIRED FOR PLUMBING WORK, WHICH INCLUDES WASTE AND VENT PIPING, HOT AND COLD WATER SUPPLY, GAS PIPING OR OTHER PLUMBING WORK AS INDICATED IN THE DRAWINGS SHALL CONFORM TO THE UNIFORM PLUMBING CODE AS AMENDED AND ADOPTED BY THE GOVERNING AGENCIES.
- PLUMBING FIXTURES WITH THE FOLLOWING MAX WATER USAGE SHALL BE INSTALLED IN THE ADDITION WHERE APPLICABLE AND IN (E) BATHROOMS, WASHROOMS, KITCHEN, LAUNDRY, ETC.
- 1. TANK-TYPE TOILETS SHALL HAVE A MAXIMUM FLUSH OF 1.6 GALLONS
- 2. WATER SAVING SHOWERHEADS SHALL HAVE A MAXIMUM FLOW OF 2.5 GALLONS PER MIN. SHALL BE INSTALLED AT A HEIGHT OF 70" ABOVE THE DRAIN INLET AND SHALL HAVE A SMOOTH, HARD, NON-ABSORBENT SURFACE
- 3. WATER SAVING SINK AND LAVATORY FAUCETS SHALL HAVE A MAXIMUM FLOW OF 2.2 GALLONS PER MIN.
- SHOWER AND SHOWER-TUB COMBINATIONS SHALL BE PROVIDED WITH INDIVIDUAL VALVES OF THE PRESSURE BALANCE OR THERMISTATIC MIXING VALVE TYPE
- USE TYPE "L" OR HARDER COPPER SUPPLY LINES WITHIN STRUCTURE. NO LINES IN OR UNDER SLAB
- ALL HOSE BIBS SHALL BE PROTECTED BY AN APPROVED NON-REMOVAL TYPE BACK FLOW PREVENTER DEVICE

GENERAL

- 1. CONTRACTOR SHALL REVIEW ALL OF THE CONTRACT DOCUMENTS, THE PROJECT SITE AND BECOME FAMILIAR WITH THE SCOPE OF WORK AND INTENT OF THE CONTRACT DOCUMENTS. IT IS INCUMBENT UPON THE CONTRACTOR TO NOTIFY THE ARCHITECT IMMEDIATELY UPON DISCOVERING DISCREPANCIES OR CONFLICTS IN THE CONTRACT DOCUMENTS. DURING BIDDING, OBTAIN PROPER, WRITTEN CLARIFICATION OF THE DISCREPANCY, CONFLICT, OR UNCLEAR ITEM PRIOR TO SUBMISSION OF BIDS. DURING CONSTRUCTION, DO NOT PROCEED WITH INSTALLATIONS OR APPLICATION OF CONSTRUCTION THAT MAY BE AFFECTED THEREBY, UNTIL THE DISCREPANCY OR CONFLICT IS RESOLVED.
- 2. IT IS REQUIRED THAT ALL CONTRACTORS AND THEIR PERSONNEL ARE PROPERLY TRAINED AND COMPETENT TO CONSTRUCT AND OTHERWISE CARRY OUT THE INTENT OF THE WORK INCORPORATED INTO THE CONTRACT DOCUMENTS.
- 3. THE CONTRACT DOCUMENTS CONSIST OF THE COMPLETE PLANS, SPECIFICATIONS, REPORTS, BIDDING INFORMATION AND OTHER INFORMATION PREPARED BY THE ARCHITECT, ITS CONSULTANTS OR THE CONSULTANTS HIRED BY THE OWNER. IN THE EVENT OF DISCREPANCIES OR CONFLICTS IN THE DOCUMENTS, INFORMATION IN THE SPECIFICATIONS SHALL TAKE PRECEDENCE OVER THE DRAWINGS, AND LARGE SCALE DRAWINGS SHALL TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS.
- 4. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL OF THE CONTRACT DOCUMENTS AS THEY RELATE TO THE CONTRACTOR'S WORK. IN ADDITION, EACH CONTRACTOR IS RESPONSIBLE TO COORDINATE THEIR OWN WORK WITH THE WORK OF OTHER TRADES.
- 5. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2001 EDITION OF THE CALIFORNIA BUILDING CODE, AND ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES.
- 6. ONLY APPROVED WORKING DRAWINGS, WITH THE STATEMENT "ISSUED FOR CONSTRUCTION" ON THE COVER SHEET, SHALL BE USED FOR CONSTRUCTION OF THIS PROJECT.
- 7. ALL DIMENSIONS ARE TO FACE OF STUD WALL OR FACE OF CONCRETE, UNLESS OTHERWISE NOTED.
- 8. DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CONDITIONS IN FIELD. IMMEDIATELY REPORT ANY DISCREPANCIES OR VARIATIONS TO THE OWNER'S REPRESENTATIVE.
- 9. ALL GLAZING INSTALLED IN HAZARDOUS LOCATIONS, AS DEFINED BY CBC CHAPTER 24, SHALL BE TEMPERED GLASS.
- 10. CONTRACTOR SHALL VERIFY ELECTRICAL AND MECHANICAL LOADS GENERATED BY TENANT'S EQUIPMENT PRIOR TO ORDERING. ITEMS AFFECTING THE ARCHITECTURAL NATURE OR STRUCTURE OF THE PROJECT OR EXISTING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.
- 11. FLASH AND SEAL ALL ROOF PENETRATIONS AND ROOF MOUNTED EQUIPMENT CURBS IN ACCORDANCE WITH ROOFING MANUFACTURER'S SPECIFICATIONS AND CURRENT S.M.A.C.N.A. STANDARDS.
- 12. PENETRATIONS OF FIRE RESISTIVE WALLS AND ROOF/CEILINGS SHALL BE PROTECTED AS REQUIRED BY UBC SECTIONS 710.

- 13. WALL AND CEILING MATERIALS SHALL NOT EXCEED THE FLAME SPREAD CLASSIFICATIONS IN UBC TABLE 8-B.
- 14. ALL WEATHER EXPOSED SURFACES SHALL HAVE A WEATHER RESISTIVE BARRIER TO PROTECT INTERIOR WALL SURFACES, AND EXTERIOR OPENINGS SHALL BE FLASHED IN SUCH A MANNER AS TO MAKE THEM WEATHERPROOF.
- 15. SUSPENDED CEILING SYSTEMS, WHERE USED, SHALL BE DESIGNED AND INSTALLED TO RESIST LATERAL FORCES AS REQUIRED BY CODE, INCLUDING ALL LIGHT FIXTURES AND MECHANICAL SYSTEM COMPONENTS.
- 16. ALL HOLD-DOWNS SHALL BE SET IN PLACE BY USE OF TEMPLATE, PRIOR TO FOUNDATION INSPECTION. SEE SHEAR SCHEDULE FOR SIZE AND SPACING OF ANCHOR BOLTS.
- 17. STRUCTURAL OBSERVATIONS BY THE STRUCTURAL ENGINEER SHALL BE PERFORMED AS REQUIRED BY THE BUILDING AUTHORITY.
- 18. ALL FIRE RESISTIVE CONSTRUCTION SHALL MEET THE REQUIREMENTS OF UBC CHAPTER 7 AND BE CONSTRUCTED OF LISTED WALL, CEILING OR FLOOR ASSEMBLIES PER TABLE 7-C AND ADDITIONAL APPROVED ASSEMBLIES LISTED BY THE GYPSUM ASSOCIATION 1983 DESIGN MANUAL, 12TH EDITION.
- 19. ALL PENETRATIONS OF FIRE RESISTIVE WALL AND/OR CEILING ASSEMBLIES SHALL BE MADE IN ACCORDANCE WITH UBC CHAPTER 7, INCLUDING LIMITATION OF SIZE, TYPE AND INDIVIDUAL FIRE RATING OF THE PENETRATING ITEM OR ASSEMBLY. ADDITIONAL THROUGH WALL AND MEMBRANE PENETRATIONS SHALL BE PROVIDED WITH "F" OR "T" FIRE BLOCKING AS SPECIFIED AND APPROPRIATE IN UBC SECTION 709.6, 709.7 AND 714 FOR THE METHOD OF PENETRATION BEING USED.
- 20. SPECIAL INSPECTION, IN ACCORDANCE WITH CBC SECTION 106.18 AND CHAPTER 17 IS REQUIRED FOR TYPES OF CONSTRUCTION NOTED BELOW:
 - GREATER THAN 2500 PSI CONCRETE STRENGTH
 - SOIL COMPLIANCE PRIOR TO FOUNDATION INSPECTION
 - MASONRY CONSTRUCTION
 - FIELD WELDING AND/OR HIGH STRENGTH BOLTS
 - CAISSON OR PILING FOUNDATIONS
 - SHOTCRETE OR GUNNITE CONSTRUCTION
 - POST-TENSIONED CONCRETE
 - SPECIAL CONSTRUCTION
 - NO SPECIAL INSPECTION REQUIRED

SAFETY

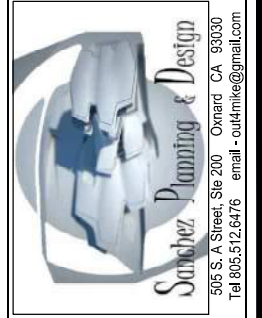
- 1. CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.
- 2. HAZARDOUS MATERIALS SHALL NOT BE STORED IN THE BUILDING, NOR USED IN CONSTRUCTION IN QUANTITIES EXCEEDING THOSE SPECIFIED IN UBC TABLE 3-D, OR APPLICABLE SECTIONS OF THE UNIFORM FIRE CODE.
- 3. GLAZING WITHIN 18" OF ANY WALKING SURFACE, AND GLAZING WITHIN 12" OF ANY EXTERIOR DOOR OPENING SHALL BE TEMPERED GLASS IN ACCORDANCE WITH UBC SECTION 2406.4.

MOISTURE AND THERMAL PROTECTION

- 1. ALL ROOFING AND FLASHING MATERIALS SHALL BE INSTALLED IN STRICT CONFORMANCE WITH THE MANUFACTURERS SPECIFICATIONS AND IN ACCORDANCE WITH CHAPTER 15 OF THE LATEST EDITION OF THE UNIFORM BUILDING CODE
- 2. ALL ROOFING AND FLASHING MATERIALS SHALL BE INSTALLED TO FORM A WATER-PROOF SYSTEM. AND THE ROOFING CONTRACTOR SHALL ISSUE A WRITTEN GUARANTEE TO THE OWNER TO MAINTAIN THE ROOFING AND ALL FLASHING IN A WATER-TIGHT CONDITION FOR A PERIOD OF TEN YEARS AFTER ACCEPTANCE OF THE PROJECT, UNLESS NOTED OTHERWISE
- 3. ALL SHEET METAL WORK SHALL BE ACCURATELY FORMED AND SET, INSTALLED AND SET WHERE REQUIRED FOR A WATER-TIGHT JOB. ALL METAL SHALL BE THOROUGHLY SHOP PRIMED PRIOR TO INSTALLATION, WITH GALV-V-A-GRIP OR EQUAL. SHEET METAL SHALL BE 26 GA. OR THICKER

THERMAL INSULATION

- 1. ALL HEATED PIPES OUTSIDE INSULATION ENVELOPE TO BE INSULATED WITH 1" ARMAFLEX OR EQUAL
- 2. ALL DUCT-WORK OUTSIDE INSULATION ENVELOPE TO BE INSULATED WITH 1-1/2" SKRIMRAFT OR EQUAL
- 3. STUFF ALL CRACKS 1" OR LARGER BETWEEN ROUGH FRAMING, WINDOWS AND DOORS WITH INSULATION, PER CHAPTER 1402.1-1402.4
- 4. ALL EXTERIOR DOORS AND WINDOWS TO BE WEATHER STRIPPED PER CHAPTER 1402.1-1402.4



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Tel 805.512.6476 email - outdmike@gmail.com

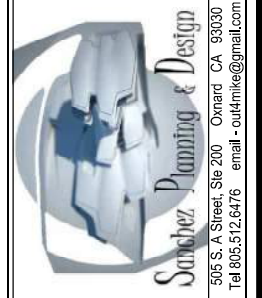
DATE	06/10/2021
REVISIONS	PLUMBING CHECK REVISIONS RES: 100-000
No.	1

RESIDENTIAL ADDITION
HERNANDEZ Residence
121 S. G Street Oxnard CA 93030
APN 202-0030-410

No.	DATE
Project No: 2102	2021/04/05

GENERAL NOTES ABBREVIATIONS
G1
SHEET OF ..

GENERAL NOTES



505 S. A Street, Ste 200 Oxnard CA 93030
Tel 805.512.6476 email - out@mike@gmail.com

REVISIONS	DATE
No. 1	06/01/2021
PLAN CHECK/REVISIONS RES: 10/03/20	

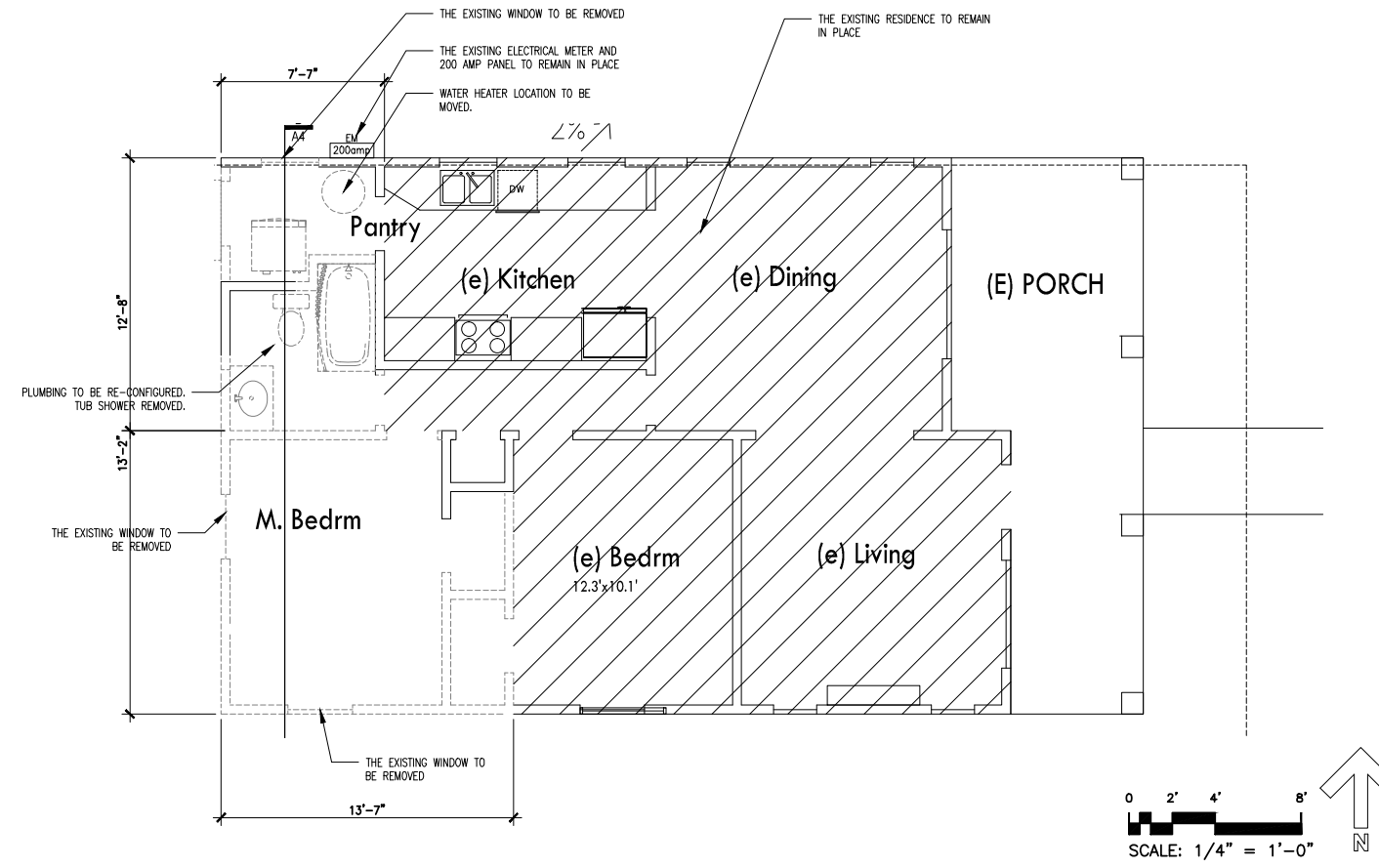
RESIDENTIAL ADDITION
HERNANDEZ Residence
121 S. G Street Oxnard CA 93030
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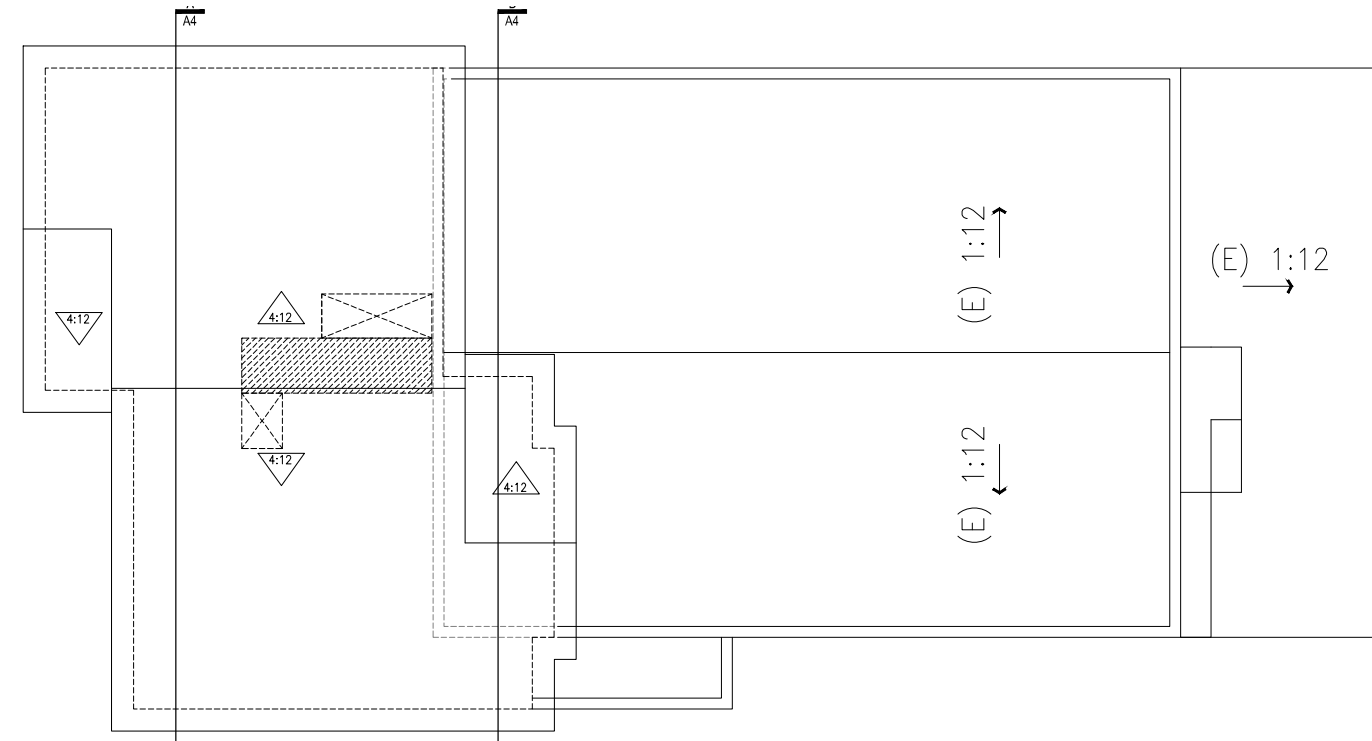
DEMO PLAN
ROOF PLAN

A1

SHEET OF ..



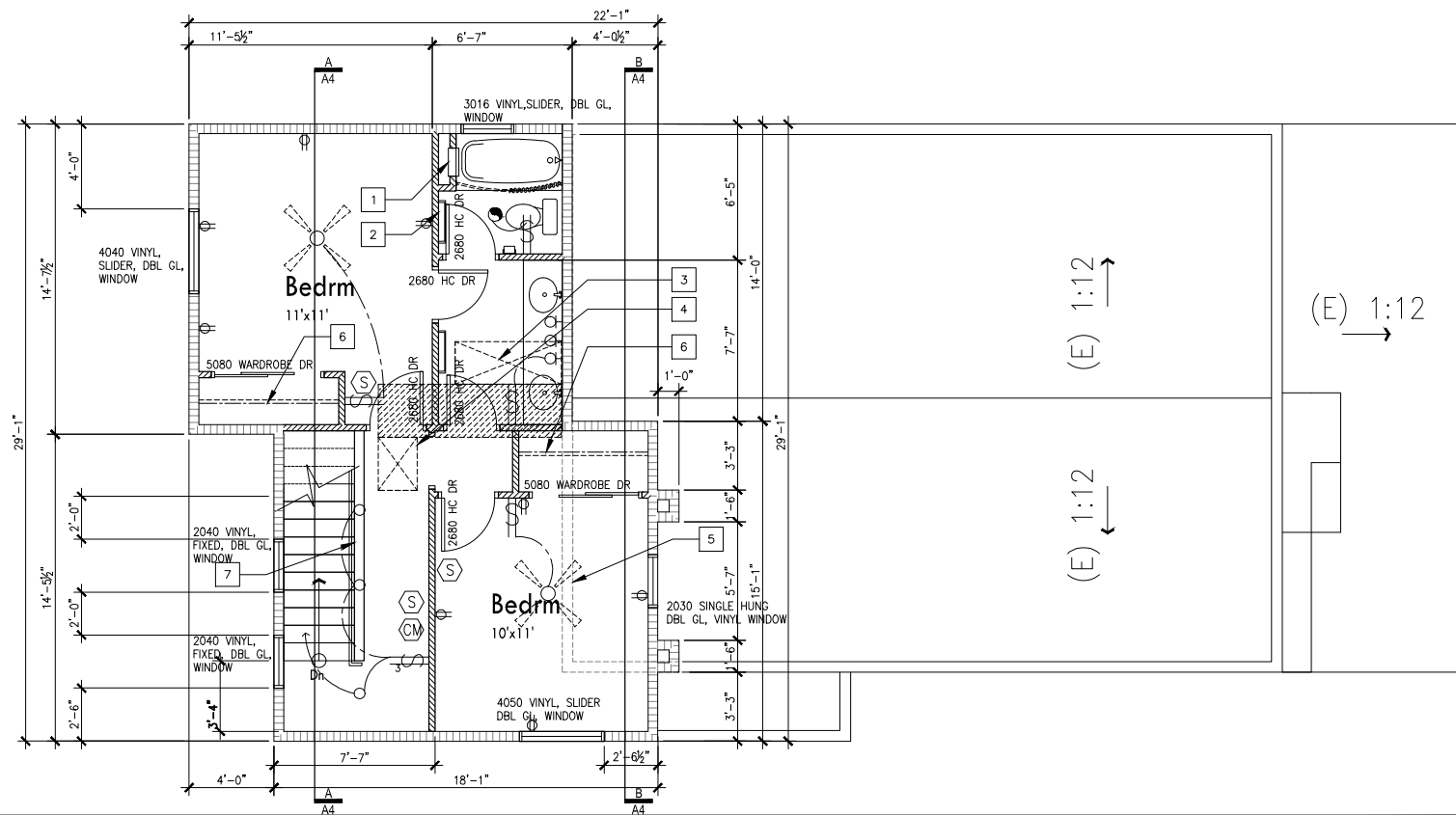
DEMOLITION PLAN 1



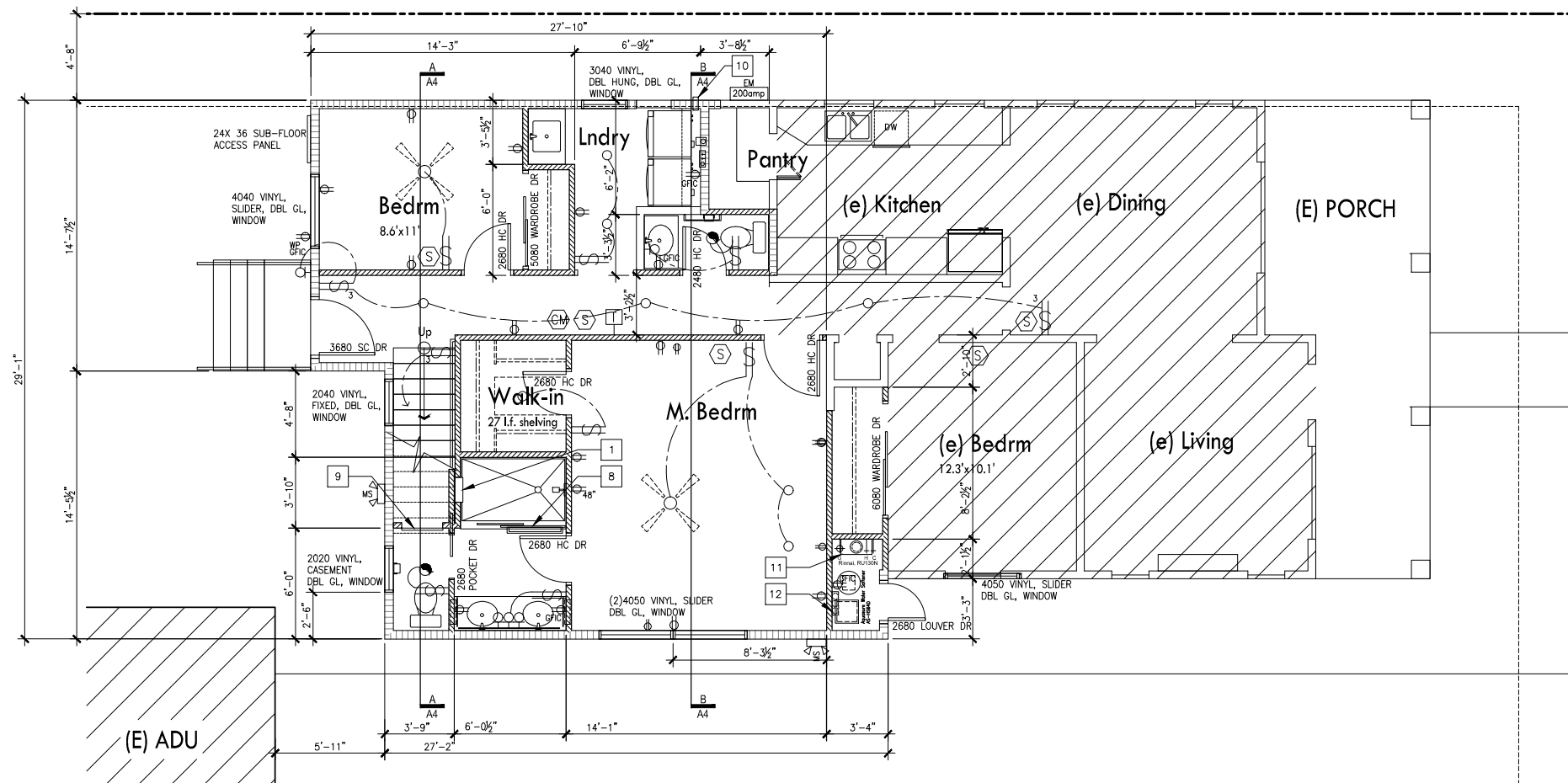
ROOF PLAN 2

WALL LEGEND

- 2X 6 STUDS @ 16" O.C. W/ GYP BOARD AT INTERIOR SIDES. EXTERIOR WALLS TO HAVE R-19 INSULATION, EXT. STUCCO.
- 2X 4 STUDS @ 16" O.C. W/ GYP BOARD AT BOTH SIDES
- (E) 2x 4 D.F. STUDS @ 16" O.C.
- (E) 2x 4 WD STUDS TO BE REMOVED



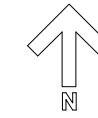
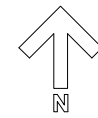
SECOND FLOOR PLAN 2



FIRST FLOOR PLAN 1

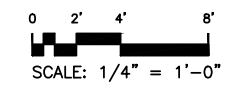
KEY NOTES

- 1 CERAMIC TILE 70" HIGH MIN. SURROUND W/ WALL NICHE 12" X 12".
- 2 SOLID BLOCKING AT WALL TOWEL BAR.
- 3 HVAC UNIT IN ATTIC W/ PLYWD ACCESS WAY TO ATTIC ACCESS. SEE SHT A6
- 4 22" X 36" ATTIC ACCESS
- 5 LINE OF EXISTING ROOF PARAPET TO BE REMOVED
- 6 DOUBLE HUNG SHELF AND POLE
- 7 42" HIGH PARTITION WALL
- 8 TEMP. GLASS SHOWER ENCLOSURE
- 9 24" X 80" ACCESS PANEL BELOW STAIRS
- 10 DRYER VENT TO EXTERIOR WALL
- 11 WALL MOUNTED ON DEMAND WATER HEATER - RINNAI RU130N
- 12 WATER SOFTENER UNIT - PER OWNER SPECS.



WALL LEGEND

- 2X 6 STUDS @ 16" O.C. W/ GYP BOARD AT INTERIOR SIDES. EXTERIOR WALLS TO HAVE R-19 INSULATION, EXT. STUCCO.
- 2X 4 STUDS @ 16" O.C. W/ GYP. BOARD AT BOTH SIDES
- (E) 2x 4 D.F. STUDS @ 16" O.C.
- (E) 2x 4 WD STUDS TO BE REMOVED



No.	REVISIONS	DATE
1	PLAN CHECK REVISIONS RES: 1/0/2021	06/01/2021

RESIDENTIAL ADDITION
 HERNANDEZ Residence 93030
 121 S. G Street Oxnard CA
 APN 202-0-030-410

No.	DATE
Project No: 2102	2021.04.05

FLOOR PLAN

A2

SHEET OF ..



505 S. A Street, Ste 200 Oxnard CA 93030
 Tel: 805.512.8476 email: out4me@gmail.com

No.	REVISIONS	DATE
1	PLAN CHECK REVISIONS RES: 16/03/2021	06/09/2021

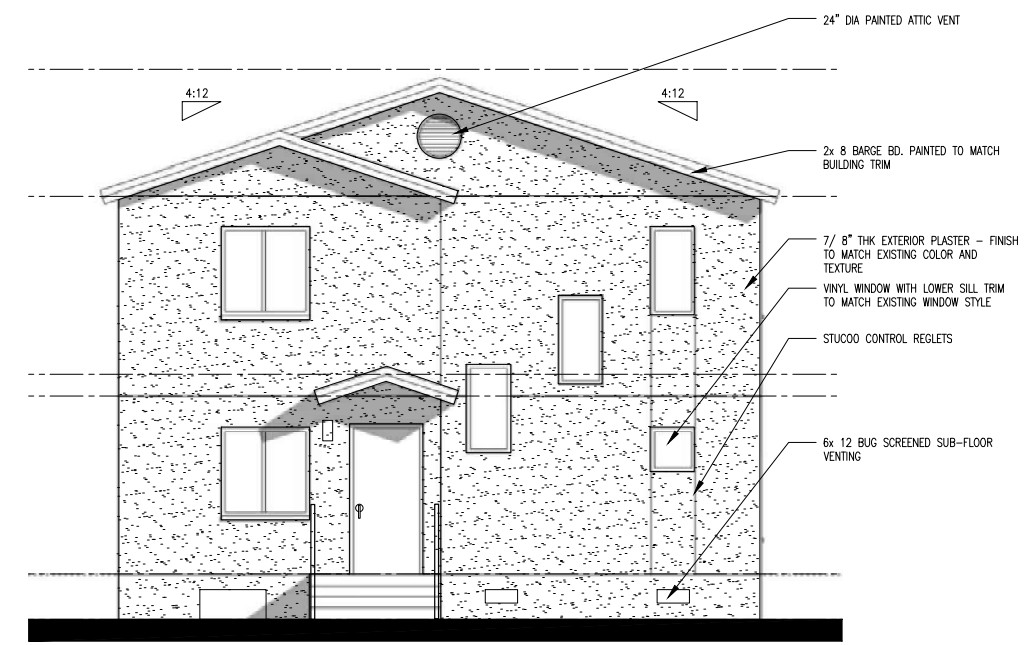
RESIDENTIAL ADDITION
 HERNANDEZ Residence
 121 S. G Street Oxnard CA 93030
 APN 202-0-030-410

No.	DATE
Project No: 2102	2021.04.05

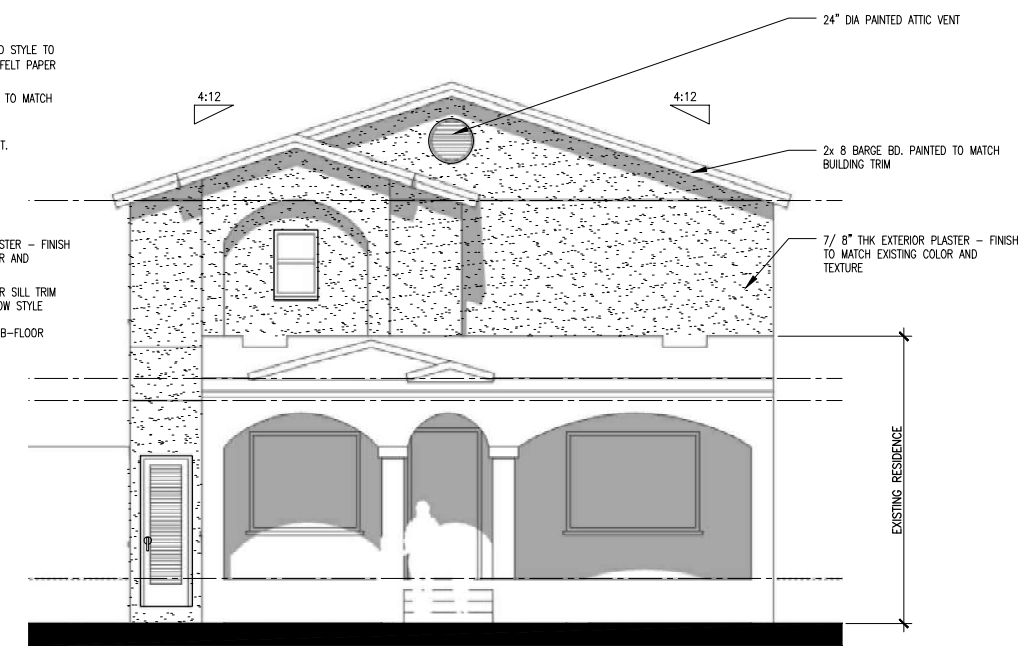
EXTERIOR ELEVATION

A3

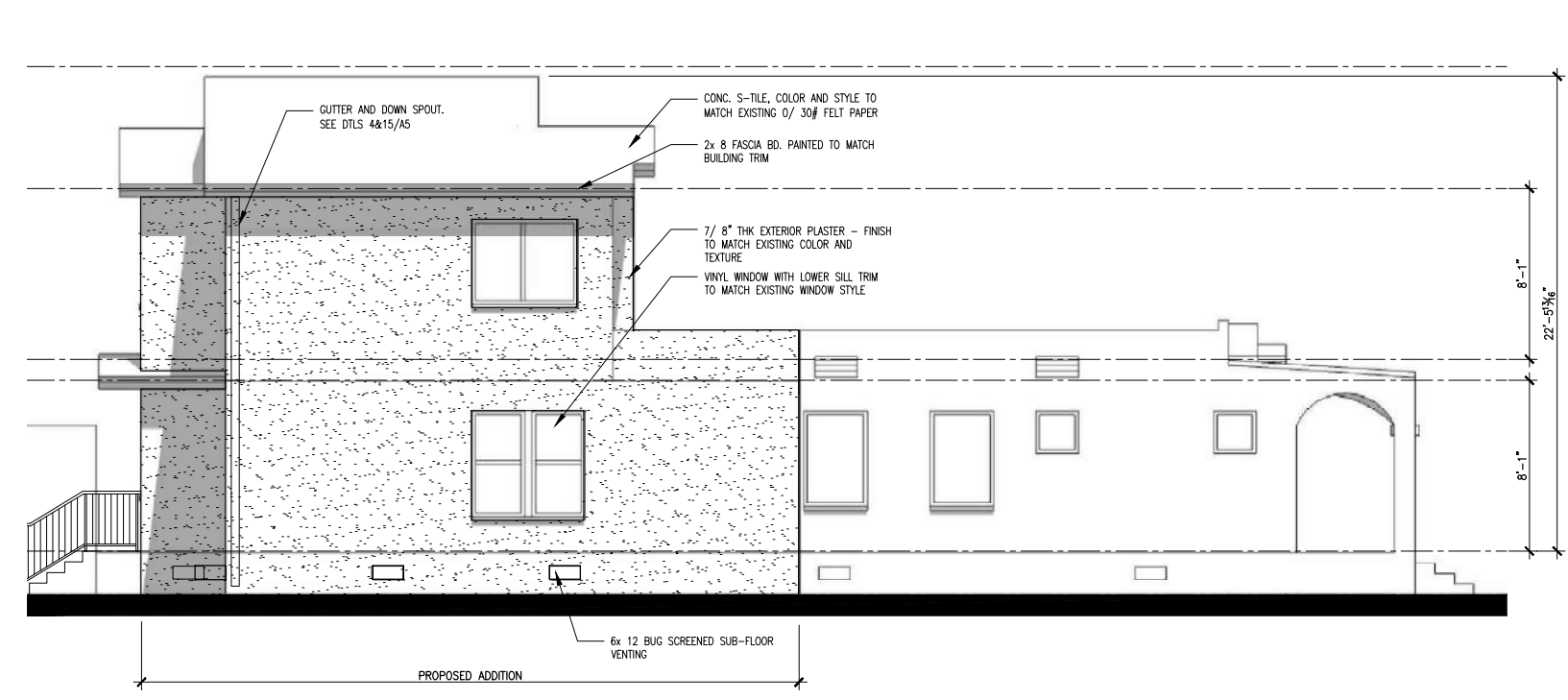
SHEET OF ..



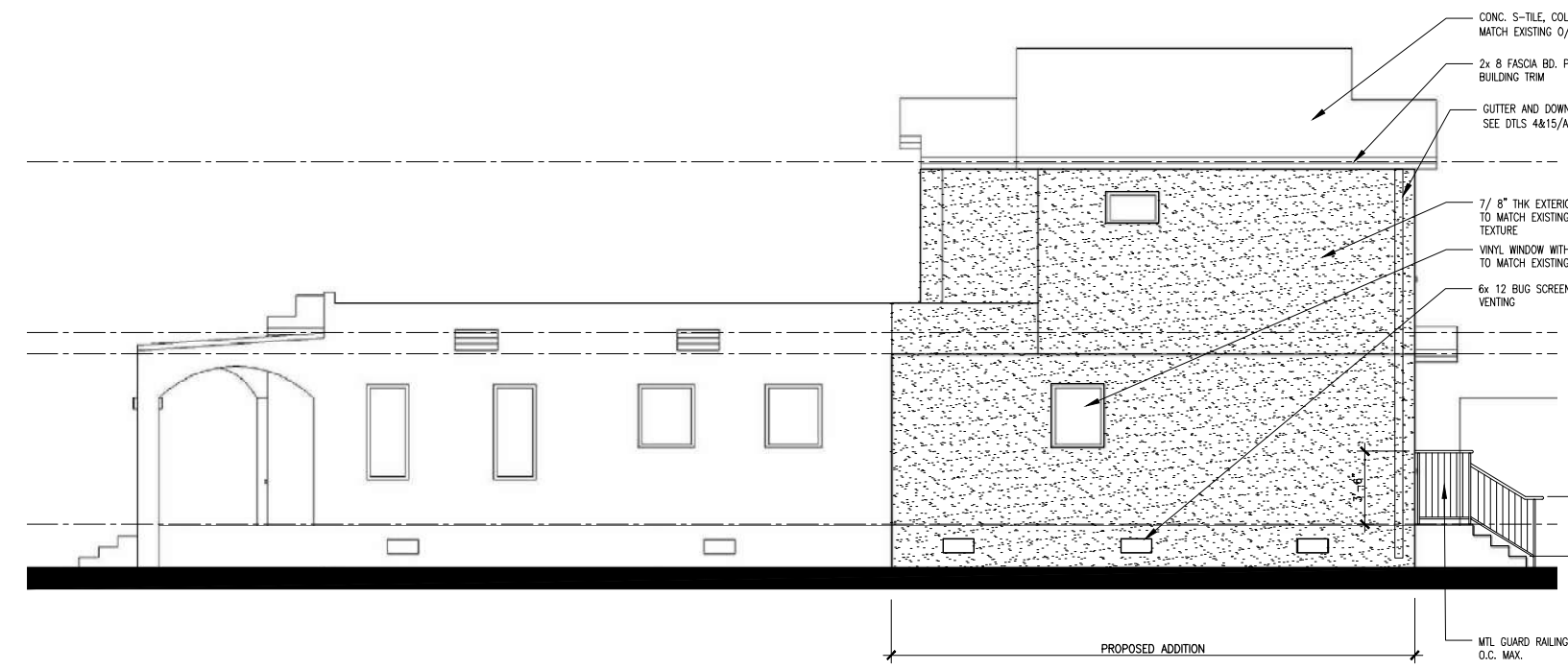
WEST ELEVATION 1



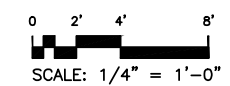
EAST ELEVATION 3

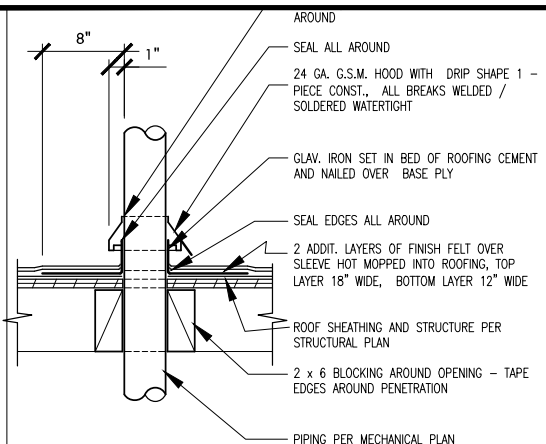


SOUTH ELEVATION 2

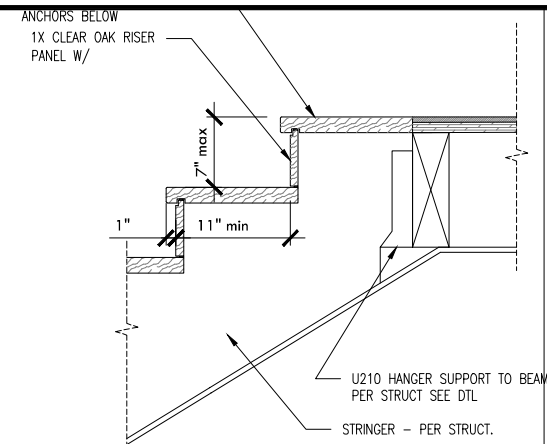


NORTH ELEVATION 4

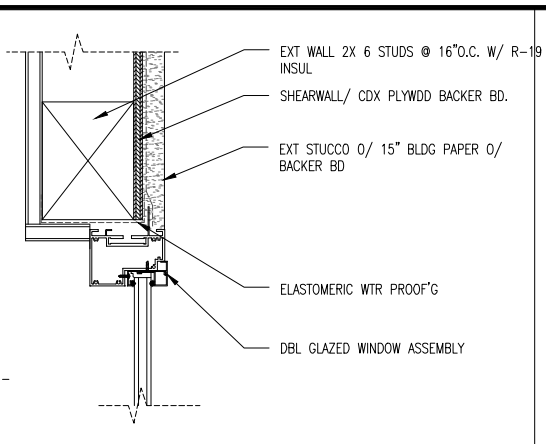




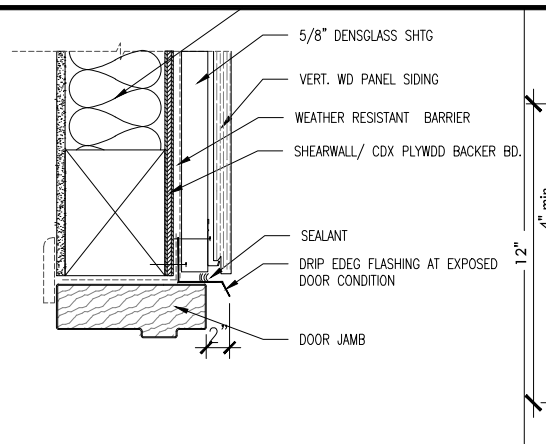
VENT FLASHING



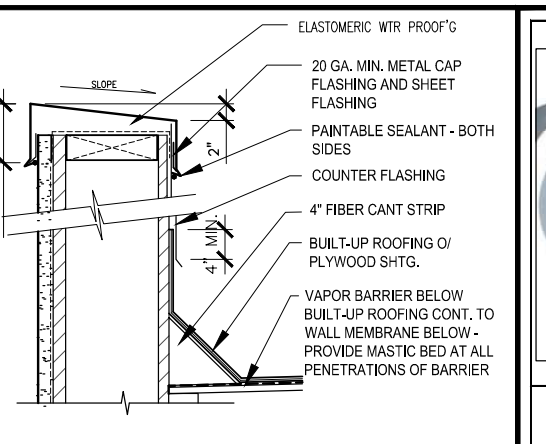
17 STAIR UPPER LANDING



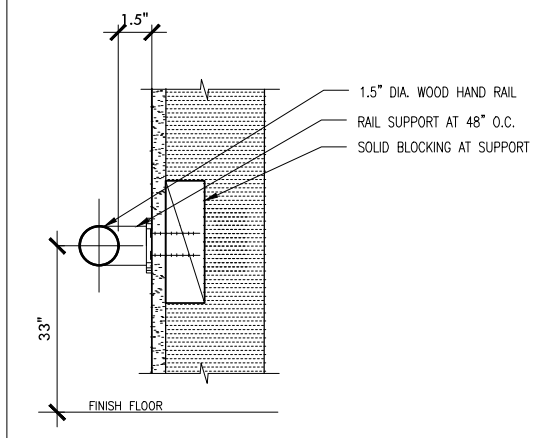
13 STUCCO / WINDOW HEADER



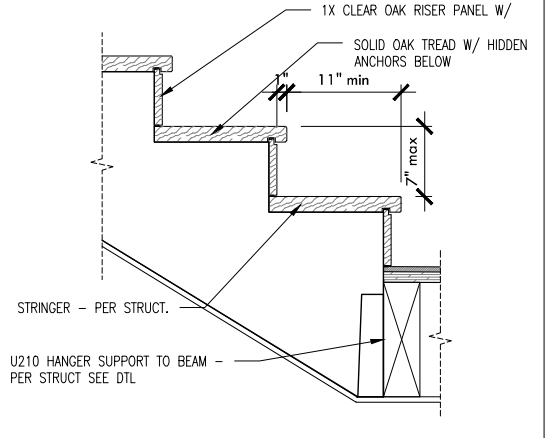
9 EXT. DOOR HEAD - WD SID'G



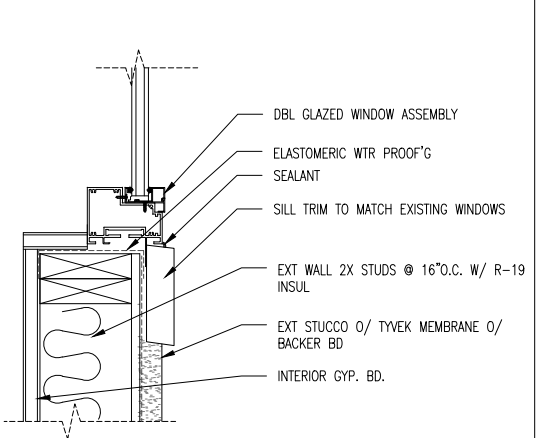
5 PARAPET FLASHING



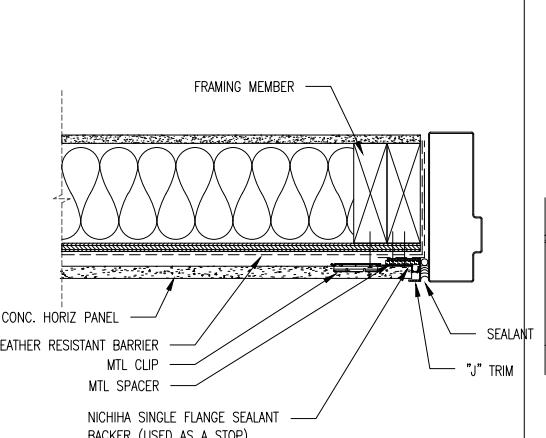
STAIR HAND RAILING



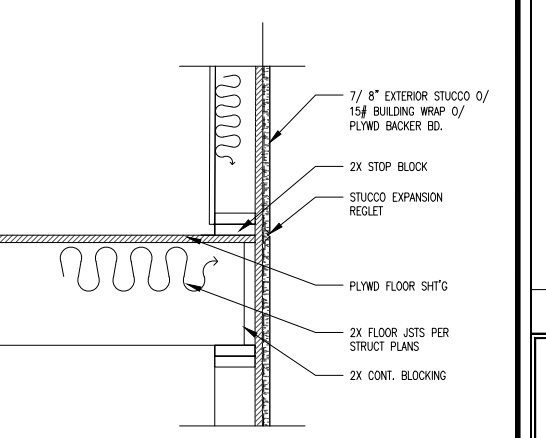
18 STAIR LOWER LANDING



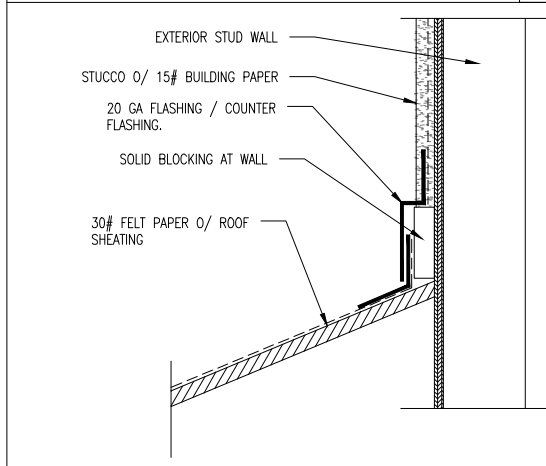
14 STUCCO - WINDOW SILL



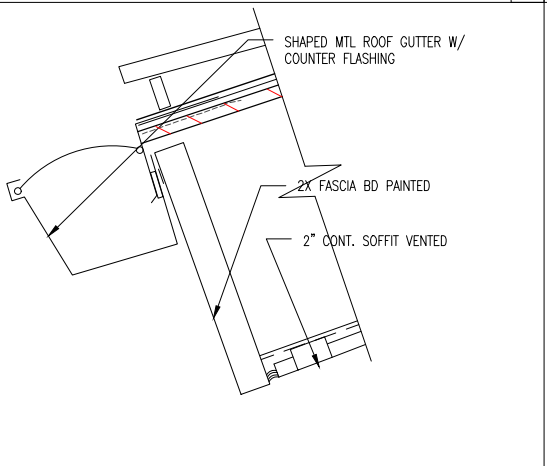
10 DOOR JAMB 'J' TRIM



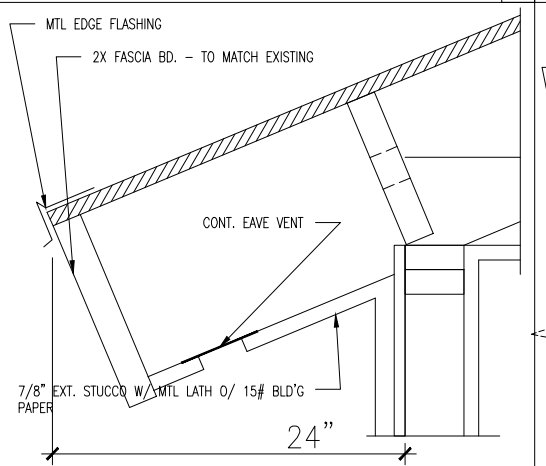
6 WALL AT FLOOR



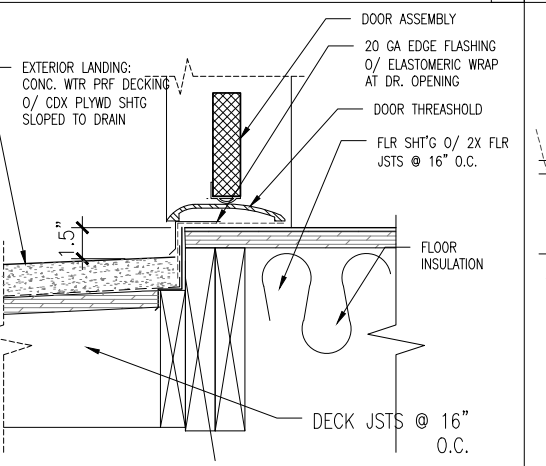
FLASHING AT ROOF TO WALL



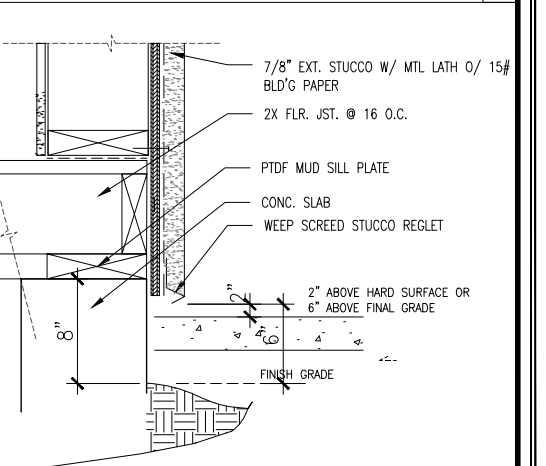
19 EAVE GUTTER DETAIL



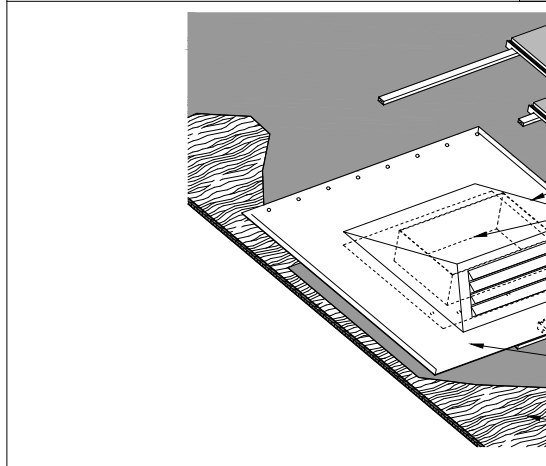
15 EAVE DETAIL



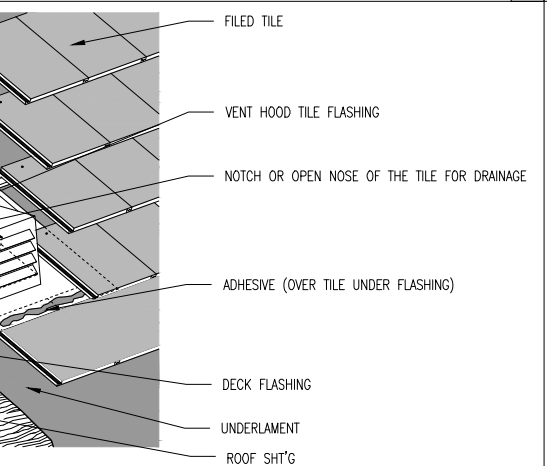
11 DOOR THRESHOLD AT EXTERIOR



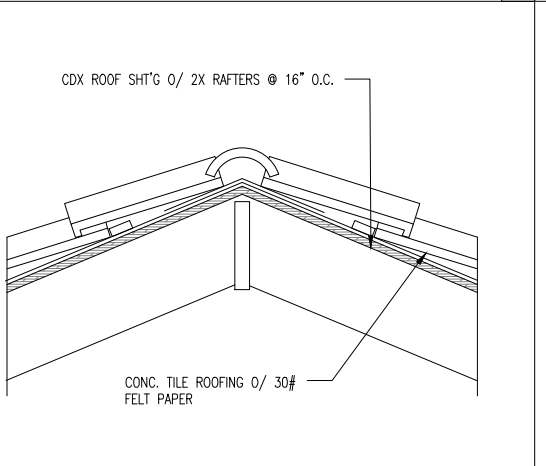
7 STUCCO TYP. WALL



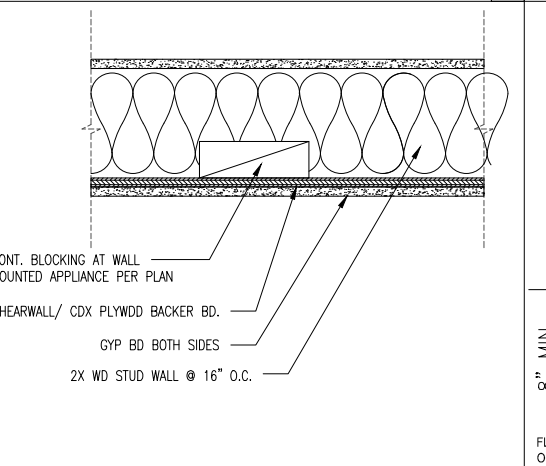
ROOF VENT



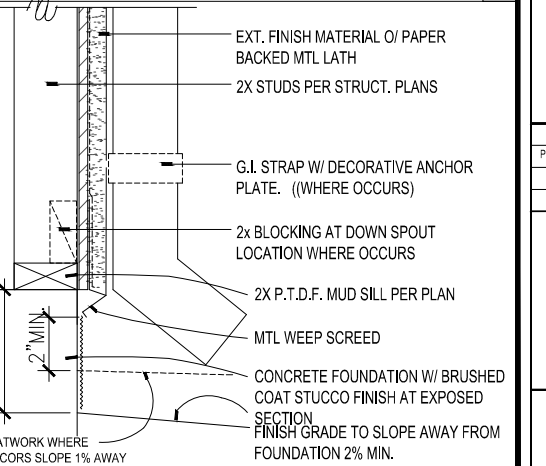
16 RIDGE



12 BLOCKING AT BATHROOMS



8 DOWN SPOUT



4

Sanchez Planning & Design
 505 S. A Street, Ste 200 Oxnard CA 93030
 Tel: 805.512.8476 email: out@smk@gmail.com

DATE	REVISIONS
06/01/2021	PLAN CHECK REVISIONS RES: 160000
	No. <input type="checkbox"/>

RESIDENTIAL ADDITION
 HERNANDEZ Residence
 121 S. G Street Oxnard CA 93030
 APN 202-0-030-410

No.	DATE
Project No: 2102	2021.04.05

DETAILS

A5

SHEET OF ..

CERTIFICATE OF COMPLIANCE
Project Name: Hernandez Addition/Alteration
Calculation Date/Time: 2021-05-26T06:41:07-07:00
Calculation Description: Hernandez Addition/Alteration
Input File Name: Hernandez Existing -Addition.rbd19
CF1R-PRF-01E
(Page 1 of 11)

GENERAL INFORMATION table with 11 columns (01-11) and 11 rows (01-11) containing project details like Project Name, Run Title, Project Location, City, Zip code, Climate Zone, Building Type, Project Scope, Addition Cond. Floor Area, Existing Cond. Floor Area, Total Cond. Floor Area, ADU Bedroom Count, and Is Natural Gas Available?

COMPLIANCE RESULTS table with 3 rows (01-03) detailing building compliance with computer performance, field testing, and special features.

ENERGY USE SUMMARY table with 5 columns (Energy Use, Standard Design, Proposed Design, Compliance Margin, Percent Improvement) and 10 rows (Space Heating, Space Cooling, IAQ Ventilation, Water Heating, Self Utilization/Flexibility Credit, Compliance Energy Total).

Registration Number: 421-P010076403A-000-000-0000000-0000
Registration Date/Time: 05/26/2021 12:38
HERS Provider: CHEERS
NOTE: This document has been generated by Cardinal Home Energy Efficiency Rating System Services, Inc. (CHEERS) using information uploaded by third parties not affiliated with or related to CHEERS. Therefore, CHEERS is not responsible for, and cannot guarantee, the accuracy or completeness of the information contained in this document.
CA Building Energy Efficiency Standards - 2019 Residential Compliance
Report Version: 2019.1.300
Schema Version: rev 20200901
Report Generated: 2021-05-26 06:41:36

CERTIFICATE OF COMPLIANCE
Project Name: Hernandez Addition/Alteration
Calculation Date/Time: 2021-05-26T06:41:07-07:00
Calculation Description: Hernandez Addition/Alteration
Input File Name: Hernandez Existing -Addition.rbd19
CF1R-PRF-01E
(Page 2 of 11)

REQUIRED SPECIAL FEATURES table with 1 row (01) detailing features like indoor air quality, balanced fan, and new ductwork.

HERS FEATURE SUMMARY table with 1 row (01) detailing a summary of features that must be field-verified by a certified HERS Rater.

BUILDING - FEATURES INFORMATION table with 7 columns (01-07) and 2 rows (01-02) detailing project name, conditioned floor area, number of dwelling units, bedrooms, zones, ventilation cooling systems, and water heating systems.

ZONE INFORMATION table with 7 columns (01-07) and 5 rows (01-05) detailing zone name, type, HVAC system name, zone floor area, ceiling height, water heating system 1, and water heating system 2.

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CF1R-PRF-01E
(Page 3 of 11)

OPAQUE SURFACES table with 11 columns (01-11) and 21 rows (01-21) detailing surface information like Name, Zone, Construction, Azimuth, Orientation, Gross Area, Window and Door Area, Tilt, Wall Exceptions, Status, and Verified Existing Condition.

Registration Number: 421-P010076403A-000-000-0000000-0000
Registration Date/Time: 05/26/2021 12:38
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Calculation Description: Hernandez Addition/Alteration
Input File Name: Hernandez Existing -Addition.rbd19
CF1R-PRF-01E
(Page 4 of 11)

OPAQUE SURFACES table with 11 columns (01-11) and 1 row (01) detailing interior floor above 1st fl add.

ATTIC table with 10 columns (01-10) and 3 rows (01-03) detailing attic information like Name, Construction, Type, Roof Rise, Roof Reflectance, Roof Emittance, Radiant Barrier, Cool Roof, Status, and Verified Existing Condition.

FENESTRATION / GLAZING table with 16 columns (01-16) and 10 rows (01-10) detailing window information like Name, Type, Surface, Orientation, Azimuth, Width, Height, Mult., Area, U-factor, SHGC Source, Exterior Shading, Status, and Verified Existing Condition.

Registration Number: 421-P010076403A-000-000-0000000-0000
Registration Date/Time: 05/26/2021 12:38
HERS Provider: CHEERS
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Calculation Description: Hernandez Addition/Alteration
Input File Name: Hernandez Existing -Addition.rbd19
CF1R-PRF-01E
(Page 5 of 11)

FENESTRATION / GLAZING table with 16 columns (01-16) and 10 rows (01-10) detailing window information like Name, Type, Surface, Orientation, Azimuth, Width, Height, Mult., Area, U-factor, SHGC Source, Exterior Shading, Status, and Verified Existing Condition.

OPAQUE DOORS table with 6 columns (01-06) and 2 rows (01-02) detailing door information like Name, Side of Building, Area, U-factor, Status, and Verified Existing Condition.

Registration Number: 421-P010076403A-000-000-0000000-0000
Registration Date/Time: 05/26/2021 12:38
HERS Provider: CHEERS
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Input File Name: Hernandez Existing -Addition.rbd19
CF1R-PRF-01E
(Page 6 of 11)

OPAQUE SURFACE CONSTRUCTIONS table with 8 columns (01-08) and 10 rows (01-10) detailing construction information like Construction Name, Surface Type, Construction Type, Framing, Total Cavity R-value, Interior / Exterior Continuous R-value, U-factor, and Assembly Layers.

Registration Number: 421-P010076403A-000-000-0000000-0000
Registration Date/Time: 05/26/2021 12:38
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CA Building Energy Efficiency Standards - 2019 Residential Compliance
Report Version: 2019.1.300
Schema Version: rev 20200901
Report Generated: 2021-05-26 06:41:36

SCOPE OF WORK:
Single Family Dwelling -Remodel/Addition

PROJECT:
Hernandez Residence
121 So. G Street
Oxnard, CA 93030

title24now.com
1955 SINALOA AVE. ALTADENA, CA 91701
Phone: 951-701-5927 info@title24now.com

CERTIFICATE OF COMPLIANCE
 Project Name: Hernandez Addition/Alteration
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 Input File Name: Hernandez Existing -Addition.rbd19
 CF1R-PRF-01E
 (Page 7 of 11)

01	02	03	04	05	06	07	08
Construction Name	Surface Type	Construction Type	Framing	Total Cavity R-value	Interior / Exterior Continuous R-value	U-factor	Assembly Layers
Default Ceiling Prior to 1978	Ceilings (below attic)	Wood Framed Ceiling	2x4 @ 16 in. O. C.	R-11	None / None	0.083	Over Ceiling Joists: R-1.9 Insul. Cavity / Frame: R-9.1 / 2x4 Inside Finish: Gypsum Board
R-0 Interior Floor	Interior Floors	Wood Framed Floor	2x12 @ 16 in. O. C.	R-0	None / None	0.196	Floor Surface: Carpeted Floor Deck: Wood Siding/Sheathing/Decking Cavity / Frame: no insul. / 2x12 Ceiling Below Finish: Gypsum Board

BUILDING ENVELOPE - HERS VERIFICATION			
01	02	03	04
Quality Insulation Installation (QII)	High R-value Spray Foam Insulation	Building Envelope Air Leakage	CFM50
Not Required	Not Required	Not Required	n/a

WATER HEATING SYSTEMS									
01	02	03	04	05	06	07	08	09	10
Name	System Type	Distribution Type	Water Heater Name (#)	Solar Heating System	Compact Distribution	HERS Verification	Status	Verified Existing Condition	Existing Water Heating System
Ex DHW System	Domestic Hot Water (DHW)	Standard Distribution System	50gal Gas Storage (1)	n/a	None	n/a	Existing	No	

Registration Number: 421-P010076403A-000-000-0000000-0000
 Registration Date/Time: 05/26/2021 12:38
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 CF1R-PRF-01E
 (Page 8 of 11)

WATER HEATERS													
01	02	03	04	05	06	07	08	09	10	11	12	13	14
Name	Heating Element Type	Tank Type	# of Units	Tank Vol. (gal)	Energy Factor or Efficiency	Input Rating or Pilot	Tank Insulation R-value (Int/Ext)	Standby Loss or Recovery Eff	1st Hr. Rating or Flow Rate	NEEA Heat Pump Brand or Model	Tank Location or Ambient Condition	Status	Verified Existing Condition
50gal Gas Storage	Gas	Large Storage	1	50	0.8-TE	> 40 kbtu/hr	0	0.028669	n/a	n/a	n/a	Existing	No

WATER HEATING - HERS VERIFICATION							
01	02	03	04	05	06	07	08
Name	Pipe Insulation	Parallel Piping	Compact Distribution	Compact Distribution Type	Recirculation Control	Central DHW Distribution	Shower Drain Water Heat Recovery
Ex DHW System - 1/1	Not Required	Not Required	Not Required	None	Not Required	Not Required	Not Required

SPACE CONDITIONING SYSTEMS										
01	02	03	04	05	06	07	08	09	10	11
Name	System Type	Heating Unit Name	Cooling Unit Name	Fan Name	Distribution Name	Required Thermostat Type	Status	Verified Existing Condition	Heating Equipment Count	Cooling Equipment Count
Ex System	Heating and cooling system other	Ex Furnace	Ex Cooling	HVAC Fan	Ducts	n/a	Existing	No	1	1

HVAC - HEATING UNIT TYPES			
01	02	03	04
Name	System Type	Number of Units	Heating Efficiency
Ex Furnace	Central gas furnace	1	AFUE-80

Registration Number: 421-P010076403A-000-000-0000000-0000
 Registration Date/Time: 05/26/2021 12:38
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 CF1R-PRF-01E
 (Page 9 of 11)

HVAC - COOLING UNIT TYPES							
01	02	03	04	05	06	07	08
Name	System Type	Number of Units	Efficiency EER/CEER	Efficiency SEER	Zonally Controlled	Multi-speed Compressor	HERS Verification
Ex Cooling	Central split AC	1	11.7	14	Not Zonal	Single Speed	Ex Cooling-hers-cool

HVAC - DISTRIBUTION SYSTEMS															
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
Name	Type	Design Type	Duct Ins. R-value		Duct Location		Surface Area		Bypass Duct	Duct Leakage	HERS Verification	Status	Verified Existing Condition	Existing Distribution system	New Ducts 40 ft
			Supply	Return	Supply	Return	Supply	Return							
Ducts	Unconditioned attic	Non-Verified	R-6	R-6	Attic	Attic	n/a	n/a	No Bypass Duct	Existing (not specified)	Ducts-hers-dist	Existing + New	No	n/a	n/a

HVAC - FAN SYSTEMS			
01	02	03	04
Name	Type	Fan Power (Watts/CFM)	Name
HVAC Fan	HVAC Fan	0.45	HVAC Fan-hers-fan

HVAC FAN SYSTEMS - HERS VERIFICATION		
01	02	03
Name	Verified Fan Watt Draw	Required Fan Efficacy (Watts/CFM)
HVAC Fan-hers-fan	Not Required	0

Registration Number: 421-P010076403A-000-000-0000000-0000
 Registration Date/Time: 05/26/2021 12:38
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 Calculation Description: Hernandez Addition/Alteration
 Input File Name: Hernandez Existing -Addition.rbd19
 CF1R-PRF-01E
 (Page 10 of 11)

IAQ (INDOOR AIR QUALITY) FANS					
01	02	03	04	05	06
Dwelling Unit	IAQ CFM	IAQ Watts/CFM	IAQ Fan Type	IAQ Recovery Effectiveness (%)	IAQ Recovery Effectiveness - SRE/IAQ Recovery Effectiveness - SRE
Sfam IAQVentRpt 1-1	100	0.67	Balanced HRV	72	n/a



Registration Number: 421-P010076403A-000-000-0000000-0000
 Registration Date/Time: 05/26/2021 12:38
 HERS Provider: CHEERS
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 CA Building Energy Efficiency Standards - 2019 Residential Compliance
 Report Version: 2019.1.300
 Schema Version: rev 20200901
 Report Generated: 2021-05-26 06:41:36

CERTIFICATE OF COMPLIANCE
 Project Name: Hernandez Addition/Alteration
 Calculation Date/Time: 2021-05-26T06:41:07-07:00
 Calculation Description: Hernandez Addition/Alteration
 Input File Name: Hernandez Existing -Addition.rbd19
 CF1R-PRF-01E
 (Page 11 of 11)

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
I, I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: Joe Nunez	Documentation Author Signature: <i>Joe Nunez</i>
Company: Title 24 Now	Signature Date: 05/26/2021
Address: 1955 Sinaloa Avenue	CEA/HERS Certification Identification (if applicable): RCN13768
City/State/Zip: Altadena, CA 91001	Phone: 626-755-7847
RESPONSIBLE PERSON'S DECLARATION STATEMENT	
I certify the following under penalty of perjury, under the laws of the State of California:	
1. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design identified on this Certificate of Compliance. 2. I certify that the energy features and performance specifications identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. 3. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.	
Responsible Designer Name: michael sanchez	Responsible Designer Signature: <i>michael sanchez</i>
Company: Sanchez Planning & Design	Date Signed: 05/26/2021
Address: 1130 Osa Ct	License:
City/State/Zip: Oxnard, CA 93035	Phone: 8055126476

Registration Number: 421-P010076403A-000-000-0000000-0000
 Registration Date/Time: 05/26/2021 12:38
 HERS Provider: CHEERS
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 CA Building Energy Efficiency Standards - 2019 Residential Compliance
 Report Version: 2019.1.300
 Schema Version: rev 20200901
 Report Generated: 2021-05-26 06:41:36

SCOPE OF WORK:
 Single Family Dwelling -Remodel/Addition

PROJECT:
 Hernandez Residence
 121 So. G Street
 Oxnard, CA 93030

title24now.com
 1955 SINALOA AVE, ALTADENA, CA 91001
 Phone: 805-701-5927 info@title24now.com



2019 Low-Rise Residential Mandatory Measures Summary

NOTE: Low-rise residential buildings subject to the Energy Standards must comply with all applicable mandatory measures, regardless of the compliance approach used. Review the respective section for more information. *Exceptions may apply. (Original 08/2019)

Table with 2 columns: Measure ID and Description. Includes sections for Building Envelope Measures, Fireplaces, Decorative Gas Appliances, and Gas Log Measures, and Space Conditioning, Water Heating, and Plumbing System Measures.



2019 Low-Rise Residential Mandatory Measures Summary

Table with 2 columns: Measure ID and Description. Includes sections for Requirements for Ventilation and Indoor Air Quality, Pool and Spa Systems and Equipment Measures, Lighting Measures, and Solar Ready Buildings.



2019 Low-Rise Residential Mandatory Measures Summary

Table with 2 columns: Measure ID and Description. Includes sections for Clearances, Air Conditioner and Heat Pump Outdoor Condensing Units, Storage Tank Insulation, Water Piping, Solar Water-Heating System Piping, and Space Conditioning System Line Insulation, Insulation Protection, Gas or Propane Water Heating Systems, Recirculating Loops, Solar Water-Heating Systems, Ducts and Fans Measures, and Factory-Fabricated Duct Systems.



2019 Low-Rise Residential Mandatory Measures Summary

Table with 2 columns: Measure ID and Description. Includes sections for Interior Switches and Controls, Interior Switches and Controls, Interior Switches and Controls, Interior Switches and Controls, Interior Common Areas of Low-Rise Multifamily Residential Buildings, Interior Common Areas of Low-Rise Multifamily Residential Buildings, Solar Ready Buildings, and Solar Ready Buildings.

5/26/2021
JN

SCOPE OF WORK:
Single Family Dwelling -Remodel/Addition

PROJECT:
Hernandez Residence
121 So. G Street
Oxnard, CA 93030

title24now.com
1955 SINALOA AVE. ALTADENA, CA 91704
Phone: 909-704-9927 info@title24now.com

RESIDENTIAL
T24 SHEET
3 of 3

WOOD

- SAUN LUMBER SHALL BE DOUGLAS FIR - LARCH (DOC P620) CONFORMING TO THE 2019 CBC SECTION 2303 AND APPA/AIUC NDS-18 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (AND SUPPLEMENT) REVISED 2018, AND SHALL BE GRADE MARKED BY EITHER WCLIB OR WUPA.
- SAUN STRUCTURAL FRAMING MEMBERS SHALL BE AS FOLLOWS (UNO):

MEMBERS	GRADE
2x WALL STUDS @ 16"	DF, #2
2x FLOOR JOISTS & ROOF RAFTERS	DF, #2
BEAMS & HEADERS (4x, 6x, 8x)	DF, #1
POSTS (4x, 6x, 8x)	DF, #1
- ALL SILL PLATES BEARING ON CONCRETE OR MASONRY SHALL BE PRESSURE TREATED DOUGLAS FIR.
- ALL SILL PLATES BEARING ON CONCRETE OR MASONRY SHALL HAVE ANCHOR BOLTS PER SHEARWALL SCHEDULE. ELSEWHERE, INSTALL 5/8" x 10' LONG L-BOLTS PLACED WITHIN 12" MAX (4-12" MIN) FROM EACH END OR SPICE, WITH 60" MAX SPACING, MIN 2 ANCHOR BOLTS PER EACH PANEL.
- SILL PLATES OF INTERIOR NON-BEARING NON-SHEAR WALLS MAY BE FASTENED TO A CONCRETE SLAB USING HLTI 'X-ZFT2' LOW VISCOSITY FLOUNDER-ACTUATED FASTENERS (ICC-ESR-1663). CONCRETE SLAB IS TO BE NORMAL WEIGHT CONCRETE AND CURED AT LEAST 7 DAYS. PLACE FASTENERS 6" FROM ENDS OF SILL AND AT 36" (MAX) SPACING BETWEEN.
- ORIENTED STRAND BOARD AND PLYWOOD SHEATHING SHALL CONFORM TO US PRODUCT STANDARDS P91-09 OR P92-10, APA PERFORMANCE STANDARD PRP 108, AND 2019 CBC 2303.14 UNO. THE MINIMUM GRADES AND SPAN INDEXES SHALL BE AS FOLLOWS:

USE	MIN. GRADE	SPAN RATING
ROOF SHEATHING	APA RATED SHEATHING, EXP. 1	24' MIN
FLOOR SHEATHING	APA-RATED STURDI-FLOOR TAG	24' MIN
WALL SHEATHING	PER SHEARWALL SCHEDULE, (N/A)	
	MIN. APA RATED SHEATHING, EXP. 1	
- GLUED LAMINATED TIMBERS SHALL BE FABRICATED IN ACCORDANCE WITH ANSI/AITC A190-1992 STRUCTURAL GLUED LAMINATED TIMBER, AITC III OR APA-EUS II, AND ASTM D3131-99a. EXTERIOR GLUE TO BE USED WITH INTENDED DRY USE CONDITION PER 2019 NDS SECT 5.1.4.1. COMBINATIONS AND USES SHALL BE AS FOLLOWS:

KEY	COMBINATION NO.	USE
24F-V4	EUS 24F-V4 DF/DF	SIMPLE SPAN
24F-V8	EUS 24F-V8 DF/DF	CONTINUOUS & CANTILEVERS
- FOR STRUCTURAL GLUE-LAMINATED TIMBER MEMBERS, AN AITC CERTIFICATION OF CONFORMANCE OR A CERTIFICATE OF CONFORMANCE ISSUED BY A CURRENT ICBO APPROVED QUALITY CONTROL AGENCY, MUST BE SUBMITTED TO THE BUILDING INSPECTOR PRIOR TO INSTALLATION. THE MAXIMUM MOISTURE CONTENT OF THE LAMINATIONS AT TIME OF MANUFACTURE SHALL NOT EXCEED 16% FOR DRY CONDITIONS OF USE.
- LVL, PSL, AND LSL ENGINEERED WOOD MEMBERS SHALL BE PER TRUSJOIST MACMILLAN & ICC-ESR-153. MICROLLAYS, PARALLAYS, AND TIMBERSTRAND RESPECTIVELY. ALTERNATE MUST BE ICC-APPROVED AND REVIEWED BY STRUCTURAL ENGINEER.
- WOOD JOISTS SHALL BE IN COMPLIANCE WITH THE FOLLOWING STANDARDS:

JOIST MANUF.	STANDARDS
1-LEVEL	ICC-ESR-1381 (TJ, TJ/PRO MEMBERS)
ALL OTHERS	ASTM D5055, APA FORM QM-3005
- FRAMING ANCHORS, POST CAPS, COLUMN BASES, AND OTHER CONNECTORS SPECIFIED ON DRAWINGS SHALL BE AS MANUFACTURED BY 'SIMPSON STRONG-TIE' OR AN ENGINEER-APPROVED EQUAL. ALL CONNECTORS TO BE FULLY NAILED OR BOLTED AS SPECIFIED PER MANUF.
- BARNS AND PLATES SHALL CONFORM TO ASTM A36. BOLTS, UNLEADED BOLTS, WASHERS AND DRIFT BOLTS SHALL CONFORM TO ASTM A 307.
- NUTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 363, GRADE A.
- ALL BOLT HEADS (MACHINE AND LAG) AND NUTS BEARING ON WOOD SHALL HAVE STANDARD CUT WASHERS, UNO.
- MACHINE BOLT (THRU-BOLT) HOLES IN WOOD SHALL BE DRILLED A MINIMUM 1/32" & MAXIMUM 1/8" LARGER THAN THE NOMINAL BOLT DIAMETER.
- LEAD HOLES FOR LAG SCREWS GREATER THAN 3/8" SHALL BE BORED AS FOLLOWS: 40% - 70% OF THE SHANK DIAMETER AND A LENGTH EQUAL TO AT LEAST THE LENGTH OF THE THREADED PORTION. CLEARANCE HOLES FOR THE SHANK SHALL HAVE THE SAME DIAMETER AS THE SHANK, AND THE SAME DEPTH OF PENETRATION AS THE LENGTH OF UNTHREADED SHANK. LAG SCREWS SHALL BE INSERTED BY TURNING WITH A WRENCH, NOT BY DRIVING WITH A HAMMER.
- NAILING OF SAUN MEMBERS SHALL CONFORM TO THE CBC TABLE 2304.10.1, UNO, ON THE STRUCTURAL DETAILS.
- NAILS HOLES SHALL BE PRE-DRILLED WHEN NECESSARY TO PREVENT SPLITTING.
- CUSTOM STEEL HARDWARE CONNECTORS FOR WOOD OR GLUED LAMINATED TIMBER SHALL BE FABRICATED FROM STEEL CONFORMING TO ASTM A 36. WELDS SHALL CONFORM TO THE REQUIREMENTS OF AWS D11-2000.
- HORIZONTAL DIAPHRAGM NAILING SHALL CONFORM TO SDPUS TABLE 4.2 STRUCTURAL PANEL SHEARWALLS SHALL CONFORM TO SDPUS TABLE 4.3 NOMENCLATURE IS DEFINED AS FOLLOWS (PER DETAILS):

BN =	BOUNDARY NAILING AT DIAPHRAGM BOUNDARIES, AND AT EDGES OF OPENINGS
EN =	EDGE NAILING AT CONTINUOUS PANEL EDGES
FN =	FIELD NAILING AT INTERMEDIATE FRAMING MEMBERS
- WHERE DIAPHRAGM BLOCKING IS SPECIFIED FOR ROOFS OR FLOORS, USE 2x4 FLAT BLOCKING WITH 2' CLIPS, UNO.
- HORIZONTAL SHEATHING SHALL BE CONTINUOUS OVER TWO OR MORE SPANS, AND THE FACE GRAIN (LONG DIRECTION) OF SHEATHING SHALL BE PERPENDICULAR TO SUPPORT MEMBERS.
- SIMPLE SPAN WOOD MEMBERS, NOT SHOP CAMBERED, SHALL BE ERECTED WITH THE NATURAL CAMBER UP. FOR CANTILEVERED WOOD MEMBERS, CONSULT WITH PROJECT STRUCTURAL ENGINEER.

WOOD CONT.

- SPECIAL PROVISIONS FOR SHEAR WALLS WITH SHEATHING ON BOTH SIDES (WHERE SPECIFICALLY INDICATED ON PLANS):
 - SILL PLATE SHALL BE 3x P.T.D.F.
 - ALL STUDS AND BLOCKING AT PANEL EDGES SHALL BE 3x MIN.
 - ALL OTHER INTERMEDIATE STUDS SHALL BE 2x @ 16"
 - END POSTS (OR COLUMNS) SHALL BE AS SPECIFIED ON THE DRAWINGS.
 - BOTH VERTICAL AND HORIZONTAL INTERIOR PANEL JOINTS ON OPPOSITE SIDES OF THE WALL SHALL BE STAGGERED.
 - THE SHEATHING ON THE FIRST SIDE MUST BE NAILED BEFORE THE FRAMING INSPECTION. THE SHEATHING ON THE OTHER SIDE MUST BE INSTALLED AND INSPECTED PRIOR TO INSTALLATION OF WALL SURFACE COVERING.
 - NO PENETRATIONS OR NOTCHES ARE PERMITTED OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS.
- PROVIDE DOUBLE 2x STUDS TO SUPPORT ALL BEAMS, UNLESS POSTS ARE SPECIFIED ON THE PLANS.
- DOUBLE BLOCK UNDER ALL POSTS. DOUBLE JOISTS UNDER ALL PARALLEL PARTITIONS, UNLESS OTHERWISE SPECIFIED.
- TOP PLATES OF ALL WOOD STUD WALLS SHALL BE 2-2x (SAME WIDTH AS STUDS) LAP 48" (MIN) WITH AT LEAST 12-16d NAILS AT EACH SIDE OF LAP AND NOT MORE THAN 6" BETWEEN NAILS (SEE PLANS IF STRAPS ARE REQUIRED).
- NOTHING OF BEAMS OR JOISTS SHALL BE PERMITTED ONLY PER 2019 NDS SECTION 3.3.2.3, DETAIL AND APPROVED BY THE ENGINEER. HOLES DRILLED IN JOISTS SHALL NOT BE WITHIN 2 INCHES OF THE TOP OR BOTTOM OF THE JOIST, AND THE DIAMETER SHALL NOT EXCEED ONE THIRD THE DEPTH OF THE JOIST.
- MOISTURE CONTENT OF SAUN LUMBER AT TIME OF PLACEMENT SHALL NOT EXCEED 19%
- DIAPHRAGM SHEATHING NAILS OR OTHER APPROVED SHEATHING CONNECTORS SHALL BE DRIVEN SO THAT THEIR HEAD OR CROWN IS FLUSH WITH THE SURFACE OF THE SHEATHING.
- ALL FASTENERS IN PRESERVATIVE-TREATED & FIRE-RETARDANT-TREATED WOOD SHALL BE OF HOT DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER. THE COATING WEIGHTS FOR ZINC-COATED FASTENERS SHALL BE IN ACCORDANCE WITH ASTM A 183. FASTENERS OTHER THAN NAILS, TIMBER RIVETS, WOOD SCREWS AND LAG SCREWS SHALL BE PERMITTED TO BE OF MECHANICALLY DEPOSITED ZINC COATED STEEL WITH COATING WEIGHTS IN ACCORDANCE WITH ASTM B 639, CLASS 55 MINIMUM.

ABBREVIATIONS

AITC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APA	AMERICAN PLYWOOD ASSOCIATION
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS
AWS	AMERICAN WELDING SOCIETY
CBC	CALIFORNIA BUILDING CODE
UBC	UNIFORM BUILDING CODE
WCLIB	WEST COAST LUMBER INSPECTION BUREAU
WUPA	WESTERN WOOD PRODUCTS ASSOCIATION

REINFORCING STEEL

- DEFORMED BAR REINFORCEMENT SHALL CONFORM TO THE FOLLOWING GRADES OF ASTM A 615-94:

GRADE 40 - #3 AND SMALLER
GRADE 60 - #4 AND LARGER
- DETAILS OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH IBC SEC. 1901 & OTHER SECTIONS ACCORDING TO APPLICATION.
- LAPS AT BAR SPLICES IN CONCRETE CONSTRUCTION SHALL BE AS SHOWN ON SHEET 5D-1, 'CONCRETE LAP SPLICE TABLE', AND NOT LESS THAN 12".
- LAPS AT BAR SPLICES IN MASONRY CONSTRUCTION SHALL BE AS SHOWN ON SHEET 5D-1, 'MASONRY LAP SPLICE TABLE', AND NOT LESS THAN 48 db.
- VERTICAL REINFORCEMENT SHALL BE TIED OR OTHERWISE FIXED IN POSITION AT THE TOP AND BOTTOM AND AT INTERMEDIATE LOCATIONS, SPACED NOT GREATER THAN 182 BAR DIAMETERS (SEE DETAILS FOR OTHER REQTS).
- WALLS, PILASTERS AND COLUMNS SHALL BE DOUBLED TO THEIR SUPPORTING FOOTINGS WITH REINFORCEMENT OF THE SAME SIZE, GRADE AND SPACING AS THE VERTICAL REINFORCEMENT IN THE WALLS, PILASTERS OR COLUMNS (UNO).
- BAR SUPPORTS SHALL BE PROVIDED IN ACCORDANCE WITH THE PROVISIONS OF 'BAR SUPPORT SPECIFICATIONS' AS CONTAINED IN THE LATEST EDITION OF THE 'MANUAL OF STANDARD PRACTICE' BY THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI).
- REINFORCING STEEL DETAILING, BENDING, AND PLACING SHALL BE IN ACCORDANCE WITH THE CRSI 'MANUAL OF STANDARD PRACTICE', LATEST EDITION.
- ALL REINFORCEMENT SHALL BE SECURELY TIED IN PLACE BEFORE PLACING CONCRETE OR GROUT.
- WELDING OF CROSSING BARS AND TACK WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED.
- CONTRACTOR SHALL SUBMIT REINFORCING STEEL SHOP DRAWINGS FOR REVIEW BEFORE FABRICATION AND INSTALLATION.
- WELDING OF ALL REINFORCING STEEL TO STRUCTURAL STEEL SHALL BE LIMITED TO THOSE AREAS SPECIFICALLY SHOWN ON THE PLANS. ANY OTHER WELDING SHALL REQUIRE THE APPROVAL OF THE GOVERNING ARCHITECT, FIELD INSPECTOR AND STRUCTURAL ENGINEER.
- FLARE GROOVE WELDS SHALL, IN ADDITION TO ALL SPECIFICATIONS LISTED ABOVE COMPLY WITH THE REQUIREMENTS OF THE THIRTEENTH EDITION OF THE 'MANUAL OF STEEL CONSTRUCTION - ALLOWABLE STRESS DESIGN' AS PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.

REINFORCED CONCRETE FOUNDATIONS

- THE MINIMUM 28-DAY CYLINDER STRENGTH SHALL BE PER 2019 CBC TABLE 1904.22, AS FOLLOWS (UNO):

CONCRETE ELEMENT	f _c
SLAB ON GRADE	2500 PSI
CONTINUOUS FOOTINGS	2500 PSI
SPREAD PAD FOOTINGS	2500 PSI
PILES & CAISSONS	3000 PSI
GRADE BEAMS	3000 PSI

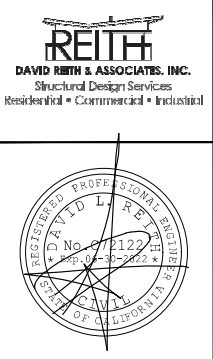
ALL CONCRETE REQUIRED TO BE GREATER THAN 2500 PSI SHALL HAVE SPECIAL INSPECTION PER 2019 CBC 1904.23.
- PORTLAND CEMENT SHALL CONFORM TO ASTM C 150-94, TYPE I OR II.
- AGGREGATES FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C33/C33M-13 AND SHALL BE AS DEFINED IN ACI 318-14 CHAPTER 3. 'A' AGGREGATES FOR LIGHT WEIGHT CONCRETE SHALL CONFORM TO ASTM C636/C636M-14. STRUCTURAL LIGHT WEIGHT CONCRETE SHALL HAVE A DENSITY RANGE OF 110 TO 135 PCF.
- ADMITTANCE PER ACI 318-14 CHAPTER 3 MAY BE USED WITH PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.
- READY-MIX CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH ASTM C 94-94 AND PER SECT. 1903.9 - MIXING & PLACING OF CONCRETE.
- MINIMUM CONCRETE COVER (IN INCHES) FOR REINFORCING STEEL IN NONPRESTRESSED CAST-IN-PLACE CONCRETE SHALL BE AS FOLLOWS:

LOCATION	MIN. COVER (IN.)
A. CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3
B. FORMED SURFACES EXPOSED TO EARTH OR WEATHER: <ul style="list-style-type: none"> 1/2 THROUGH #3 BARS 5/8 BARS, 5/8 INCH WIRE, AND SMALLER 	2 1 1/2
C. NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND: <ul style="list-style-type: none"> #4 AND #6 BARS #1 AND SMALLER (SLABS, WALLS, JOISTS) 	1 1/2 3/4
PRIMARY REINFORCEMENT, STIRRUPS, TIES OR SPIRALS (BEAMS, GIRDERS, COLUMNS)	1 1/2
- SLEEVES, PIPES AND CONDUITS SHALL NOT BE PLACED THROUGH CONTINUOUS OR SPREAD FOOTINGS, GRADE BEAMS, PILE CAPS OR TIE BEAMS UNLESS SHOWN IN APPROVED BY STRUCTURAL ENGINEER AND SHOWN IN STRUCTURAL DETAILS.
- ALL SLEEVES THROUGH BEAMS, GIRDERS AND FOUNDATION WALLS SHALL BE INSTALLED AND SECURED IN POSITION PRIOR TO PLACING CONCRETE. EXCEPT AS SHOWN ON STRUCTURAL DRAWINGS, SLEEVING SHALL NOT BE PERMITTED UNLESS APPROVED BY THE ARCHITECT AND STRUCTURAL ENGINEER.
- CONDUIT SHALL NOT BE PLACED IN ANY CONCRETE SLAB LESS THAN 3-1/2" THICK. IF CONDUIT IS PLACED IN CONCRETE SLAB, ITS OUTSIDE DIAMETER SHALL NOT BE GREATER THAN ONE THIRD OF THE SLAB THICKNESS.
- ALL EXPOSED CORNERS SHALL BE CHAMFERED 3/4 INCH (UNO).
- FRAMING CONTRACTOR TO VERIFY LOCATION OF HOLDDOWNS PRIOR TO POURING OF CONCRETE FOUNDATIONS.
- REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, CLIPS, OR GROUNDS REQUIRED TO BE CAST IN THE CONCRETE AND FOR EXTENT OF DEPRESSIONS, CURBS, AND RAMPS.
- ALL VERTICAL SURFACES OF CONCRETE ABOVE FINISHED GRADE SHALL BE FORMED.
- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS DUE TO ARCHITECTURAL C.J.P. CONCRETE.
- SLAB ON GRADE IS NOT DESIGNED AS A STRUCTURAL DIAPHRAGM (UNO).
- ALL FOUNDATION CONSTRUCTION SHALL FOLLOW RECOMMENDATIONS FOUND IN THE PROJECT SOILS REPORT BY OTHER.
 - OR-
 - NO SOILS REPORT PROVIDED FOR THIS PROJECT. MINIMUM SOILS DESIGN VALUES SHALL BE PER CBC TABLE 1804.2 A8P & 1500 psf.
- SOILS DESIGN VALUES ARE SUMMARIZED ON SHEET 5N-2, 'STRUCTURAL DESIGN BASIS'.

GENERAL NOTES

- ALL CONSTRUCTION, INCLUDING MATERIAL AND WORKMANSHIP, SHALL CONFORM TO THE PROVISIONS OF THE 2019 CALIFORNIA BUILDING CODE (CBC) WITH THE GOVERNING AGENCY AMENDMENTS AND STANDARDS REFERENCED THEREIN.
- ALL ASTM STANDARDS LISTED HEREIN SHALL BE AS REFERENCED IN THE LATEST ISSUE OF THE ANNUAL BOOK OF STANDARDS OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM).
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS PRIOR TO STARTING WORK. THE ARCHITECT AND STRUCTURAL ENGINEER SHALL IMMEDIATELY BE NOTIFIED IN WRITING OF DISCREPANCIES.
- ALL OMISSIONS AND/OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER, ARCHITECT, AND FIELD INSPECTOR. THE ARCHITECT OR STRUCTURAL ENGINEER SHALL PROVIDE A SOLUTION PRIOR TO PROCEEDING WITH ANY WORK AFFECTED BY THE CONFLICT OR OMISSION.
- IN CASE OF CONFLICT NOTES AND DETAILS OF THESE STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES AND/OR STANDARD DETAILS SHOWN ON SHEET 5D-1. TYPICAL DETAILS SHALL BE USED WHENEVER APPLICABLE.
- IF A SPECIFIC DETAIL IS NOT SHOWN FOR ANY PART OF THE WORK, THE CONSTRUCTION SHALL BE THE SAME AS FOR SIMILAR WORK.
- WORKING DIMENSIONS SHALL NOT BE SCALED FROM PLANS, SECTIONS OR DETAILS ON THESE STRUCTURAL DRAWINGS.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ADEQUATE SHORING AND BRACING AS REQUIRED FOR STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION.
- PIPES, DUCTS, SLEEVES, OPENINGS, POCKETS, BLOCK-OUTS, ETC. SHALL NOT BE PLACED IN SLABS, BEAMS, GIRDERS, COLUMNS, WALLS, FOUNDATIONS, ETC. NOR SHALL ANY STRUCTURAL MEMBER BE CUT FOR SUCH ITEMS, UNLESS SPECIFICALLY DETAILED ON THESE STRUCTURAL DRAWINGS. IF ANY PIPES, DUCTS, CONDUIT, ETC. ARE PLACED THAT ARE NOT SHOWN ON THESE STRUCTURAL DRAWINGS, THE ARCHITECT AND STRUCTURAL ENGINEER SHALL BE NOTIFIED (SEE PARAGRAPH 4 ABOVE).
- ANCHOR BOLTS OR INSERTS FOR EQUIPMENT ANCHORAGE OR INSTALLATION SHALL BE DESIGNED FOR SEISMIC ZONE D BY A CIVIL ENGINEER OR STRUCTURAL ENGINEER REGISTERED IN THE STATE OF CALIFORNIA AND SHALL BE IDENTIFIED ON THE MECHANICAL OR ELECTRICAL SHOP DRAWINGS.
- THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE STRUCTURAL ENGINEER FREE AND HARMLESS FROM ALL CLAIMS, DEMANDS AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE STRUCTURAL ENGINEER.
- IF THE CONTRACTOR PROPOSES ANY SUBSTITUTION, NEW CALCULATIONS AND DETAILS MAY HAVE TO BE PREPARED. EXISTING DETAILS MAY HAVE TO BE ALTERED, AND NEW DRAWINGS MAY HAVE TO BE SUBMITTED TO THE BUILDING DEPT. THE CONTRACTOR SHALL PAY THE STRUCTURAL ENGINEER'S FEES TO ALTER THE APPROVED PLANS. THE CONTRACTOR SHALL ALSO PROCESS THE REVISED PLANS REFLECTING ALL SUBSTITUTIONS THROUGH THE APPROPRIATE OFFICE OF ALL GOVERNING AGENCIES.

DAVID REITH AND ASSOCIATES, INC.
1319 FEATHER AVENUE
THOUSAND OAKS, CA 91360
PHONE # (805) 418-7924 CELL # (619) 708-3598 FAX # (805) 418-7925
E-MAIL - davidreithassociates@gmail.com



NEW TWO-STORY ADDITION & REMODEL
HERNANDEZ RESIDENCE
121 S. G STREET
OCNARD, CALIFORNIA 93030

- Issue Dates:
- 5-14-2021
Plan Check Submittal
 -
 -
 -
 -

Sheet Title:
Structural Notes

Scale:

Job # 21197

Sheet:
SN-1

STRUCTURAL OBSERVATION SCHEDULE

- IF REQUIRED, ALL STRUCTURAL OBSERVATIONS MUST BE SCHEDULED 72 HOURS IN ADVANCE WITH DAVID REITH & ASSOCIATES AT (805) 418-7924.

STRUCTURAL OBSERVATION SCHEDULE	
- IF REQUIRED, ALL STRUCTURAL OBSERVATIONS MUST BE SCHEDULED 12 HOURS IN ADVANCE WITH DAVID REITH & ASSOCIATES AT (805) 418-1424.	

FLOOR SHEATHING	
23/32" STRUCT I APA-RATED T&G SHEATHING, EXPOSURE I, w/ 24" MINIMUM SPAN RATING, 3" MENTL SCREWS @ 6" O.C. B.N., 6" O.C. EN. & 12" O.C. FL. GLUE FRAMING PRIOR TO INSTALLATION	

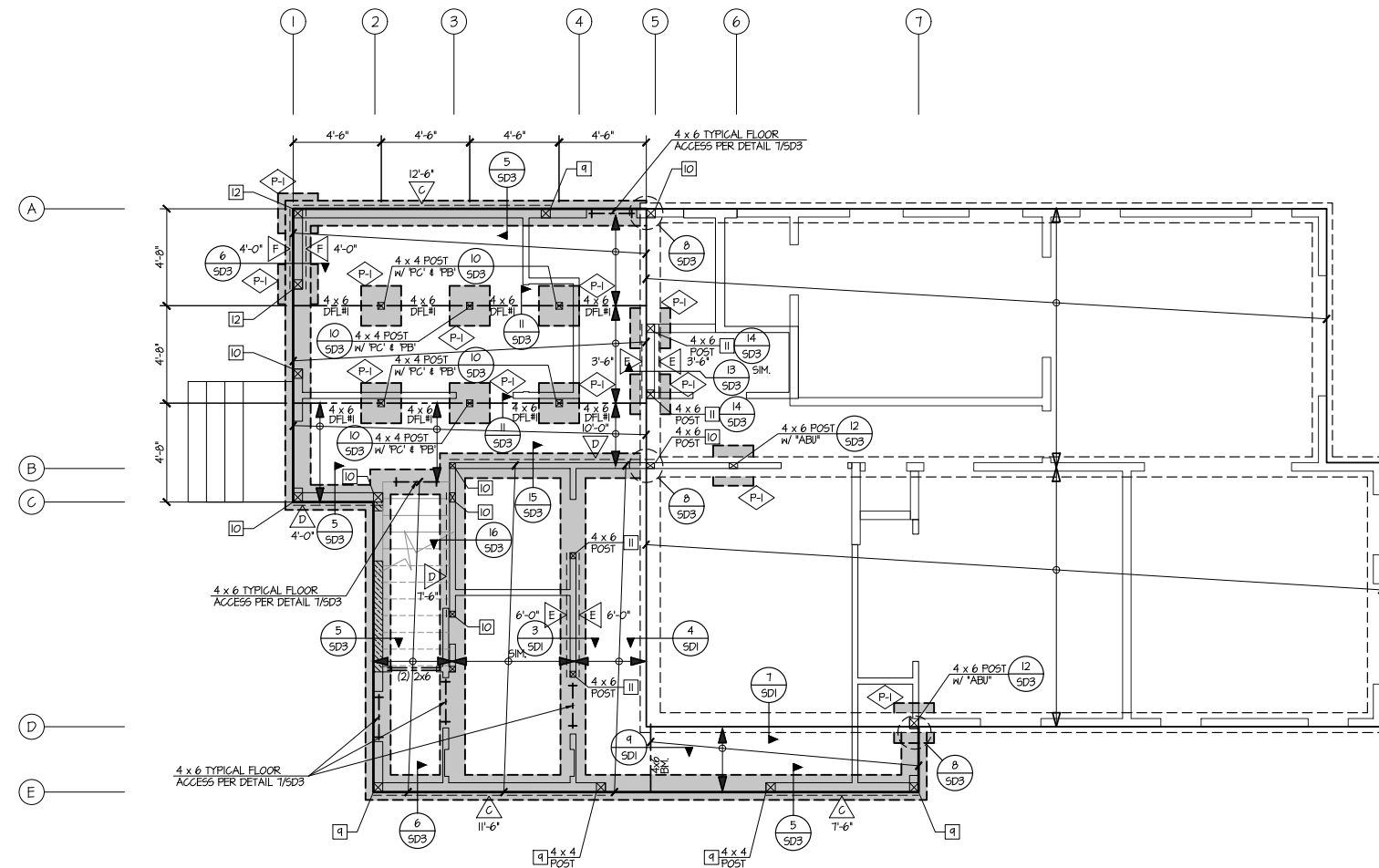
SPREAD FOOTING SCHEDULE	
SYMBOL	SIZE AND REINFORCEMENT (F _c =2500 psi & f _y =60ksi)
P-1	24" SQUARE X 24" DEEP w/ (2) #4 EACH WAY (Fallow = 6,000 lbs)
P-2	30" SQUARE X 24" DEEP w/ (3) #4 EACH WAY (Fallow = 9,375 lbs)
P-3	36" SQUARE X 24" DEEP w/ (4) #4 EACH WAY (Fallow = 13,500 lbs)
P-4	42" SQUARE X 24" DEEP w/ (5) #4 EACH WAY (Fallow = 18,375 lbs)
P-5	48" SQUARE X 24" DEEP w/ (6) #4 EACH WAY (Fallow = 24,000 lbs)
*SEE DETAIL 12/SD3 & 14/SD3 FOR UNDERPIN CONDITION	

SHEARWALL SCHEDULE (75% OF 2019 CBC VALUES)									
TAG	VALUE (PLF)	MATERIAL	3x FRAMING REQUIRED	NAIL SIZE	B.N. & EN.	F.N.	SILL ATTACHMENT 5/8" AB. SPACING	BOTTOM PLATE NAILS & LAGS	TOP PLATE CLIPS
A	255	1/2" STRUCTURAL I RATED SHEATHING	NO	10d	6"	12"	32" O.C.	16d @ 6" O.C.	A35 @ 16" O.C.
B	382	1/2" STRUCTURAL I RATED SHEATHING	YES	10d	4"	12"	24" O.C.	1/4" x 8" SDS SCREWS @ 8" O.C. (STAGGERED TO 4x BLK'G)	A35 @ 12" O.C.
C	491	1/2" STRUCTURAL I RATED SHEATHING	YES	10d	3"	12"	16" O.C.	1/4" x 8" SDS SCREWS @ 6" O.C. (STAGGERED TO 4x BLK'G)	A35 @ 8" O.C.
D	652	1/2" STRUCTURAL I RATED SHEATHING	YES	10d	2"	12"	12" O.C.	1/4" x 8" SDS SCREWS @ 4" O.C. (STAGGERED TO 4x BLK'G)	LTP4 @ 12" O.C.
E	164	1/2" STRUCTURAL I RATED SHEATHING (APPLIED TO BOTH SIDES OF WALL)	YES	10d	4" (BOTH SIDES)	12"	12" O.C.	5/8" x 8" LAG SCREWS @ 8" O.C. (STAGGERED TO 4x BLK'G)	LTP4 @ 8" O.C.
F	498	1/2" STRUCTURAL I RATED SHEATHING (APPLIED TO BOTH SIDES OF WALL)	YES	10d	3" (BOTH SIDES)	12"	12" O.C.	5/8" x 8" LAG SCREWS @ 8" O.C. (STAGGERED TO 4x BLK'G)	LTP4 @ 6" O.C.

NOTES:

- USE COMMON NAILS AT SHEARWALLS AND DIAPHRAGM.
- ALL SHEARWALLS TO PENETRATE THROUGH CEILING JOIST AND ATTIC TO SHEAR CONNECT TO UPPER HORIZONTAL DIAPHRAGM. (FLOOR TO ROOF PLYWOOD)
- AT SHEARWALLS WHERE OPENINGS OCCUR SUCH AS WINDOW AND DOOR APPLY PLYWOOD ABOVE OPENING.
- PROVIDE "S" FLY AT 15/32" THICKNESS "4" FLY AT 3/8".
- FLOOR PLYWOOD TO BE GULLED AS WELL AS NAILED TO JOISTS.
- WHEN BOTH SIDES OF WALL RECEIVE PLYWOOD, STAGGER THE PLYWOOD JOINTS SO THAT THE VERTICAL JOINTS FROM TWO SIDES DO NOT FALL ON THE SAME STUD.
- PROVIDE AT LEAST MINIMUM 1/2" EDGE DISTANCE FOR PLYWOOD B.N.
- WHERE ALLOWABLE SHEAR VALUES EXCEED 300 PLF, FOUNDATION SILL PLATES & ALL FRAMING MEMBERS RECEIVING EDGE NAILING FROM ABUTTING PANELS SHALL NOT BE LESS THAN 3x NOMINAL MEMBER, NAILS SHALL BE STAGGERED.
- MINIMUM 3"x3"x0.224 SQUARE PLATE WASHERS SHALL BE USED WITH ALL ANCHOR BOLTS IN SHEARWALL SILL PLATE.
- ANCHOR BOLTS TO BE EMBEDDED 10" MINIMUM INTO FOUNDATION.
- WOOD STRUCTURAL PANELS SHALL COMPLY WITH DOC P51 OR DOC P52.
- SILL PLATE SHALL COMPLY WITH NDS 2018.
- MINIMUM EDGE DISTANCE AND CONCRETE PROTECTION SHALL COMPLY WITH CBC M12 & ACI 318-14.
- PERIODIC SPECIAL INSPECTION FOR SHEARWALL TYPES "B" THRU "F". PER CHAPTER 17.

*SEE DETAIL 13/SD3 FOR ANCHOR BOLT RETROFIT



FOUNDATION LEGEND	
ex. A	SHEARWALL PER PLAN
ex. I	HOLD-DOWN PER PLAN
ex. B	4 x 4 POST (N.O.)
ex. C	WOOD BEAM OR HEADER PER PLAN
ex. D	2 x 6 DFL# FLOOR JOIST @ 16" O.C.
ex. E	(E) FLOOR JOIST TO REMAIN (TYP.)
ex. F	(N) 15" (W) x 24" (D) CONT. FOOTING w/ (2) #4 TOP & BTM.
ex. G	(E) CONT. FOOTING TO REMAIN 12" (W) x 12" (D) (MIN) (*CONTRACTOR TO VERIFY)

HOLD-DOWN SCHEDULE (75% OF DESIGN CAPACITY)		
1	4x POST w/ "M5TG40" FLR-TO-FLR HOLD-DOWN MIN. (32) 16d SINKERS SPACED EVENLY (ALLOWABLE TENSION LOAD = 2301 LBS)	ICCA ER-2105 (LARRR 25713)
2	4x POST w/ "M5TG52" FLR-TO-FLR HOLD-DOWN MIN. (48) 16d SINKERS SPACED EVENLY (ALLOWABLE TENSION LOAD = 3465 LBS)	ICCA ER-2105 (LARRR 25713)
3	4x POST w/ "M5TG66" FLR-TO-FLR HOLD-DOWN MIN. (68) 16d SINKERS SPACED EVENLY (ALLOWABLE TENSION LOAD = 4395 LBS)	ICCA ER-2105 (LARRR 25713)
4	4x POST w/ "M5TG68B" FLR-TO-FLR HOLD-DOWN MIN. (80) 0.148x3 NAILS TO POST, (4) 0.148x3 NAILS TO FACE OF BEAM & (4) 0.148x3 NAILS TO BOTTOM OF BEAM (ALLOWABLE TENSION LOAD = 3261 LBS)	ICCA ER-2105 (LARRR 25713)
5	4x POST w/ "M5TG14" FLR-TO-FLR HOLD-DOWN (54" END LENGTH & (8) 16d TO EA. POST) (ALLOWABLE TENSION LOAD = 4868 LBS)	ICCA ER-2105 (LARRR 25713)
6	4x POST w/ "M5TG12" FLR-TO-FLR HOLD-DOWN (45" END LENGTH & (4) 16d TO EA. POST) (ALLOWABLE TENSION LOAD = 6426 LBS)	ICCA ER-2105 (LARRR 25713)
7	4x POST w/ "H0U12" ON 55TB16 A.B. (ALLOWABLE TENSION LOAD = 2306 LBS)	ICCA ESR-2330 (LARRR 25720)
8	4x POST w/ "H0U4" ON 55TB20 A.B. (ALLOWABLE TENSION LOAD = 3423 LBS)	ICCA ESR-2330 (LARRR 25720)
9	4x POST w/ "H0U5" ON 55TB24 A.B. (ALLOWABLE TENSION LOAD = 4233 LBS)	ICCA ESR-2330 (LARRR 25720)
10	4x POST w/ "H0U8" ON 55TB28 A.B. (ALLOWABLE TENSION LOAD = 5221 LBS - (4x4 POST), 5402 LBS - (4x6 POST))	ICCA ESR-2330 (LARRR 25720)
11	4x POST w/ "H0U11" ON 1" ALL THREADED ROD (ALLOWABLE TENSION LOAD = 7151 LBS)	ICCA ESR-2330 (LARRR 25720)
12	4x POST w/ "H0U4" ON 1" ALL THREADED ROD (ALLOWABLE TENSION LOAD = 10,742 LBS)	ICCA ESR-2330 (LARRR 25720)

NOTES:

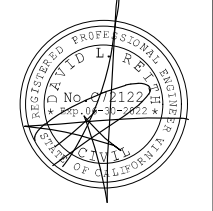
- HOLD-DOWN ANCHORS MUST BE TIED IN PLACE PRIOR TO FOUNDATION INSPECTION.
- DEEPEN FOOTINGS TO PROVIDE 3" MINIMUM CONCRETE COVER WHERE HOLD-DOWN ANCHORS ARE LONGER THAN THE FOOTING DEPTH.
- USE (R/L) OPTION ON 5THD HOLD-DOWNS FOR RAISED WOOD SUB-FLOOR CONDITION.
- SPECIFY THAT HOLD-DOWN CONNECTION BOLTS & NUTS SHALL BE TORQUED 1/2" TURN BEYOND FINGER TIGHT OR AS REQUIRED BY THE MANUFACTURER. INSPECTOR SHALL VERIFY BY RANDOM INSPECTION PRIOR TO COVERING WALLS.
- HD CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE APPROVED PLATE WASHERS.
- STRAP LOADS FOR FLOOR JOISTS UP TO 14" MAX IN DEPTH.
- PLATE WASHERS ARE REQUIRED FOR ALL HOLD-DOWNS.

*SEE DETAIL 14/SD3 FOR HOLD-DOWN RETROFIT

FOUNDATION NOTES:	
- CONTRACTOR TO VERIFY (E) FOUNDATION PRIOR TO CONSTRUCTION.	

FOUNDATION PLAN
VERIFY DIMENSIONS WITH ARCHITECTURAL PLANS
SCALE: 1/4" = 1'-0"

DAVID REITH AND ASSOCIATES, INC.
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E-MAIL: davidreithandassociates@gmail.com



NEW TWO-STORY ADDITION & REMODEL
HERNANDEZ RESIDENCE
121 S. G STREET
OCCNARD, CALIFORNIA 93030

Issue Dates:	
1	5-14-2021 Plan Check Submittal
2	
3	
4	
5	

Sheet Title:	Foundation Plan
Scale:	1/4" = 1'-0"
Job #	21197
Sheet:	S-1

STRUCTURAL OBSERVATION SCHEDULE
 - IF REQUIRED, ALL STRUCTURAL OBSERVATIONS MUST BE SCHEDULED 12 HOURS IN ADVANCE WITH DAVID REITH & ASSOCIATES AT (805) 418-7924.

INTERIOR HEADERS
 INTERIOR NON-BEARING SPANS USE:
 2 x 4 FLAT FOR SPANS UP TO 3'-0"
 4 x 4 DF #2 FOR SPANS UP TO 5'-0"
 4 x 6 DF #2 FOR SPANS UP TO 8'-0"

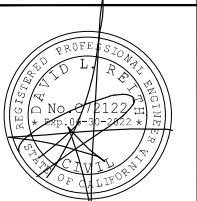
ROOF SHEATHING
 15/32" APA-RATED SHEATHING, EXPOSURE 1,
 24" MINIMUM SPAN RATINGS,
 10d COMMON NAILS @ 6" O.C. B.N. & E.N.,
 10d COMMON NAILS @ 12" O.C. INT. FRAMING
 SEE TITLE 24 SHEETS FOR RADIANT BARRIER REQUIREMENTS.

SHEARWALL SCHEDULE (75% OF 2019 CBC VALUES)

TAG	VALUE (FLF)	MATERIAL	3x FRAMING REQUIRED	NAIL SIZE	B.N. & E.N.	F.N.	SILL ATTACHMENT 5/8" AB. SPACING	BOTTOM PLATE NAILS & LAGS	TOP PLATE CLIPS
A	255	1/2" STRUCTURAL I RATED SHEATHING	NO	10d	6"	12"	32" O.C.	16d @ 6" O.C.	A35 @ 16" O.C.
B	382	1/2" STRUCTURAL I RATED SHEATHING	YES	10d	4"	12"	24" O.C.	1/4" x 8" SDS SCREWS @ 8" O.C. (STAGGERED TO 4x BLK'G)	A35 @ 12" O.C.
C	498	1/2" STRUCTURAL I RATED SHEATHING	YES	10d	3"	12"	16" O.C.	1/4" x 8" SDS SCREWS @ 6" O.C. (STAGGERED TO 4x BLK'G)	A35 @ 8" O.C.
D	652	1/2" STRUCTURAL I RATED SHEATHING	YES	10d	2"	12"	12" O.C.	1/4" x 8" SDS SCREWS @ 4" O.C. (STAGGERED TO 4x BLK'G)	LTP4 @ 12" O.C.
E	164	1/2" STRUCTURAL I RATED SHEATHING (APPLIED TO BOTH SIDES OF WALL)	YES	10d	4" (BOTH SIDES)	12"	12" O.C.	5/8" x 8" LAG SCREWS @ 8" O.C. (STAGGERED TO 4x BLK'G)	LTP4 @ 8" O.C.
F	988	1/2" STRUCTURAL I RATED SHEATHING (APPLIED TO BOTH SIDES OF WALL)	YES	10d	3" (BOTH SIDES)	12"	12" O.C.	5/8" x 8" LAG SCREWS @ 8" O.C. (STAGGERED TO 4x BLK'G)	LTP4 @ 6" O.C.

- NOTES:**
- USE COMMON NAILS AT SHEARWALLS AND DIAPHRAGM.
 - ALL SHEARWALLS TO PENETRATE THROUGH CEILING JOIST AND ATTIC TO SHEAR CONNECT TO UPPER HORIZONTAL DIAPHRAGM. (FLOOR TO ROOF PLYWOOD)
 - AT SHEARWALLS WHERE OPENINGS OCCUR SUCH AS WINDOW AND DOOR APPLY PLYWOOD ABOVE OPENING.
 - PROVIDE 5" FLY AT 15/32" THICKNESS 14" FLY AT 3/8".
 - FLOOR PLYWOOD TO BE GULLED AS WELL AS NAILED TO JOISTS.
 - WHEN BOTH SIDES OF WALL RECEIVE PLYWOOD, STAGGER THE PLYWOOD JOINTS SO THAT THE VERTICAL JOINTS FROM TWO SIDES DO NOT FALL ON THE SAME STUD.
 - PROVIDE AT LEAST MINIMUM 1/2" EDGE DISTANCE FOR PLYWOOD B.N.
 - WHERE ALLOWABLE SHEAR VALUES EXCEED 300 PLF, FOUNDATION SILL PLATES & ALL FRAMING MEMBERS RECEIVING EDGE NAILING FROM ABUTTING PANELS SHALL NOT BE LESS THAN 3x NOMINAL MEMBER. NAILS SHALL BE STAGGERED.
 - MINIMUM 3"x3"x0.224 SQUARE PLATE WASHERS SHALL BE USED WITH ALL ANCHOR BOLTS IN SHEARWALL SILL PLATE.
 - ANCHOR BOLTS TO BE EMBEDDED 10" MINIMUM INTO FOUNDATION.
 - WOOD STRUCTURAL PANELS SHALL COMPLY WITH DOC P51 OR DOC P52.
 - SILL PLATE SHALL COMPLY WITH NDS 2018.
 - MINIMUM EDGE DISTANCE AND CONCRETE PROTECTION SHALL COMPLY WITH CBC M12 & ACI 318-14.
 - PERIODIC SPECIAL INSPECTION FOR SHEARWALL TYPES "B" THRU "F". PER CHAPTER 11.

DAVID REITH AND ASSOCIATES, INC.
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NEW TWO-STORY ADDITION & REMODEL
HERNANDEZ RESIDENCE
 121 S. G STREET
 OCNARD, CALIFORNIA 93030

Issue Dates:
 ① 5-14-2021
 Plan Check Submittal
 ②
 ③
 ④
 ⑤

Sheet Title:
 Roof Framing Plan
Scale: 1/4" = 1'-0"
Job # 21197
Sheet: S-2

FRAMING LEGEND

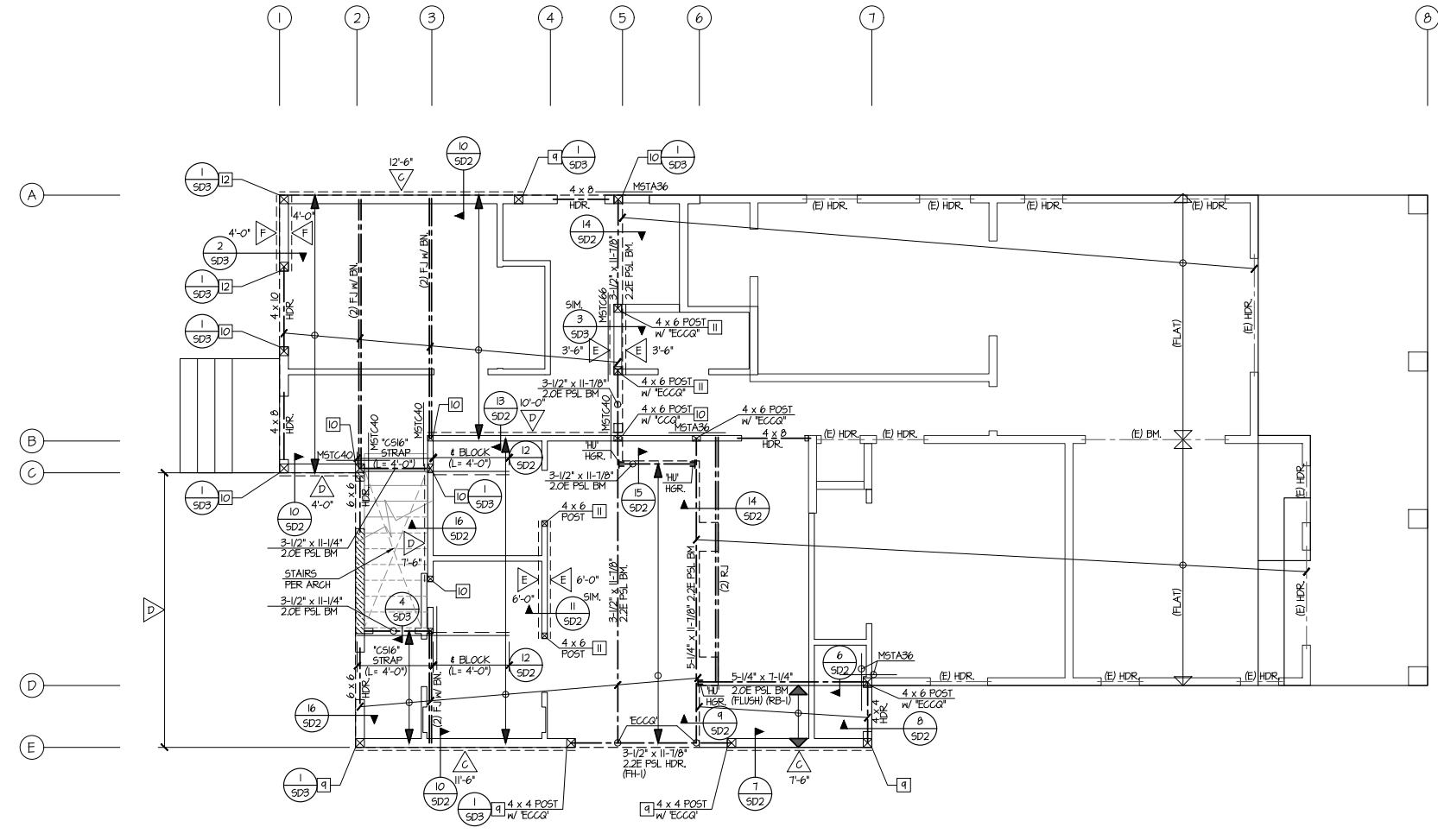
ex.	SHEARWALL PER PLAN
	2 x 6 DFLR BALLOON FRAME @ 16" O.C. (Hmax=17'-0")
ex.	HOLD-DOWN PER PLAN
	4 x 4 POST (N.O.)
	POST ABOVE
	WOOD BEAM OR HEADER PER PLAN
	HANGER PER PLAN
	11-1/8" TJI 210 FLOOR JOIST @ 16" O.C. (Lmax=16'-0")
	2 x 8 ROOF JOIST @ 16" O.C.
	(E) ROOF JOIST TO REMAIN (TYP.)
	(E) ROOF RAFTERS TO REMAIN (TYP.)

HOLD-DOWN SCHEDULE (75% OF DESIGN CAPACITY)

①	4x POST W/ "MSTC40" FLR-TO-FLR HOLD-DOWN MIN. (52) 16d SINKERS SPACED EVENLY (ALLOWABLE TENSION LOAD = 2301 LBS)	ICCA ER-2105 (LARRR 25713)
②	4x POST W/ "MSTC52" FLR-TO-FLR HOLD-DOWN MIN. (48) 16d SINKERS SPACED EVENLY (ALLOWABLE TENSION LOAD = 3465 LBS)	ICCA ER-2105 (LARRR 25713)
③	4x POST W/ "MSTC66" FLR-TO-FLR HOLD-DOWN MIN. (68) 16d SINKERS SPACED EVENLY (ALLOWABLE TENSION LOAD = 4395 LBS)	ICCA ER-2105 (LARRR 25713)
④	4x POST W/ "MSTC66B" FLR-TO-FLR HOLD-DOWN MIN. (88) 0.148x3 NAILS TO POST, (14) 0.148x3 NAILS TO FACE OF BEAM & (4) 0.148x3 NAILS TO BOTTOM OF BEAM (ALLOWABLE TENSION LOAD = 3261 LBS)	ICCA ER-2105 (LARRR 25713)
⑤	4x POST W/ "MSTH4" FLR-TO-FLR HOLD-DOWN (54" END LENGTH & (59) 16d TO EA. POST) (ALLOWABLE TENSION LOAD = 4868 LBS)	ICCA ER-2105 (LARRR 25713)
⑥	4x POST W/ "MSTH2" FLR-TO-FLR HOLD-DOWN (45" END LENGTH & (43) 16d TO EA. POST) (ALLOWABLE TENSION LOAD = 6426 LBS)	ICCA ER-2105 (LARRR 25713)
⑦	4x POST W/ "HDU2" ON 55TB16 A.B. (ALLOWABLE TENSION LOAD = 2306 LBS)	ICCA ESR-2330 (LARRR 25720)
⑧	4x POST W/ "HDU4" ON 55TB20 A.B. (ALLOWABLE TENSION LOAD = 3423 LBS)	ICCA ESR-2330 (LARRR 25720)
⑨	4x POST W/ "HDU5" ON 55TB24 A.B. (ALLOWABLE TENSION LOAD = 4233 LBS)	ICCA ESR-2330 (LARRR 25720)
⑩	4x POST W/ "HDU8" ON 55TB28 A.B. (ALLOWABLE TENSION LOAD = 5221 LBS - (4x4 POST), 5402 LBS - (4x6 POST))	ICCA ESR-2330 (LARRR 25720)
⑪	4x POST W/ "HDU11" ON 1"Ø ALL THREADED ROD (ALLOWABLE TENSION LOAD = 1751 LBS)	ICCA ESR-2330 (LARRR 25720)
⑫	4x POST W/ "HDU4" ON 1"Ø ALL THREADED ROD (ALLOWABLE TENSION LOAD = 10742 LBS)	ICCA ESR-2330 (LARRR 25720)

- NOTES:**
- HOLD-DOWN ANCHORS MUST BE TIED IN PLACE PRIOR TO FOUNDATION INSPECTION.
 - DEEPEN FOOTINGS TO PROVIDE 3" MINIMUM CONCRETE COVER WHERE HOLD-DOWN ANCHORS ARE LONGER THAN THE FOOTING DEPTH.
 - USE (R) OPTION ON STD HOLD-DOWNS FOR RAISED WOOD SUB-FLOOR CONDITION.
 - SPECIFY THAT HOLD-DOWN CONNECTION BOLTS & NUTS SHALL BE TORQUED 1/2" TURN BEYOND FINGER TIGHT OR AS REQUIRED BY THE MANUFACTURER. INSPECTOR SHALL VERIFY BY RANDOM INSPECTION PRIOR TO COVERING WALLS.
 - HD CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE APPROVED PLATE WASHERS.
 - STRAP LOADS FOR FLOOR JOISTS UP TO 14" MAX IN DEPTH.
 - PLATE WASHERS ARE REQUIRED FOR ALL HOLD-DOWNS.

- FRAMING NOTES:**
- FOR PLATE HEIGHTS > 10'-0", USE 2 x 6 STUDS @ 16" O.C. FOR PLATE HEIGHTS < 10'-0" USE 2 x 4 STUDS @ 16" O.C.
 - USE "EPC" OR "PC" @ ALL POST-TO-BEAM CONNECTIONS (N.O.)
 - USE "ST6224" @ ALL (N) TO (E) DEL. TOP PLATE CONNECTION.
 - CONTRACTOR TO VERIFY EXISTING FRAMING PRIOR TO CONSTRUCTION.



STRUCTURAL OBSERVATION SCHEDULE
 - IF REQUIRED, ALL STRUCTURAL OBSERVATIONS MUST BE SCHEDULED 12 HOURS IN ADVANCE WITH DAVID REITH & ASSOCIATES AT (805) 418-7924.

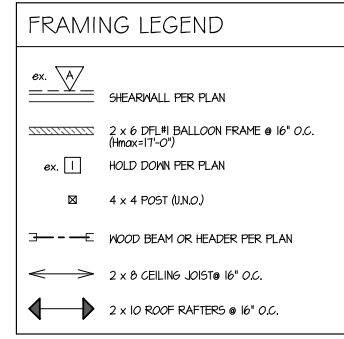
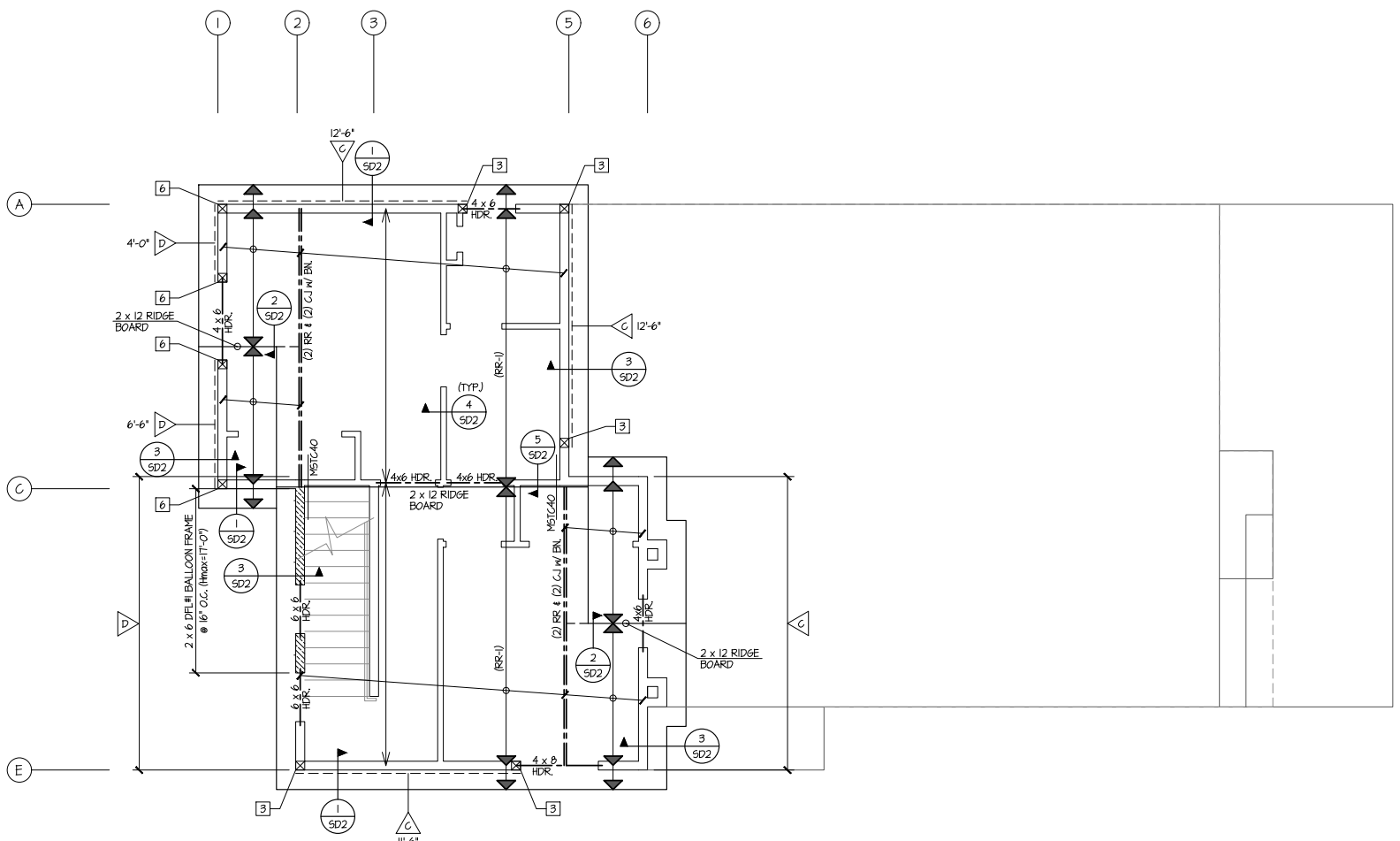
INTERIOR HEADERS
 INTERIOR NON-BEARING SPANS USE:
 2 x 4 FLAT FOR SPANS UP TO 3'-0"
 4 x 4 DF #2 FOR SPANS UP TO 5'-0"
 4 x 6 DF #2 FOR SPANS UP TO 8'-0"

ROOF SHEATHING
 15/32" APA-RATED SHEATHING, EXPOSURE 1,
 24" MINIMUM SPAN RATINGS,
 10d COMMON NAILS @ 6" O.C. B.N. & E.N.,
 10d COMMON NAILS @ 12" O.C. INT. FRAMING
 SEE TITLE 24 SHEETS FOR RADIANT
 BARRIER REQUIREMENTS.

SHEARWALL SCHEDULE (75% OF 2019 CBC VALUES)

TAG	VALUE (PLF)	MATERIAL	3x FRAMING REQUIRED	NAIL SIZE	B.N. & E.N.	F.N.	SILL ATTACHMENT 5/8" A.B. SPACING	BOTTOM PLATE NAILS & LAGS	TOP PLATE CLIPS
A	255	1/2" STRUCTURAL I RATED SHEATHING	NO	10d	6"	12"	32" O.C.	16d @ 6" O.C.	A35 @ 16" O.C.
B	382	1/2" STRUCTURAL I RATED SHEATHING	YES	10d	4"	12"	24" O.C.	1/4" x 8" SDS SCREWS @ 8" O.C. (STAGGERED TO 4x BLK'G)	A35 @ 12" O.C.
C	498	1/2" STRUCTURAL I RATED SHEATHING	YES	10d	3"	12"	16" O.C.	1/4" x 8" SDS SCREWS @ 6" O.C. (STAGGERED TO 4x BLK'G)	A35 @ 8" O.C.
D	652	1/2" STRUCTURAL I RATED SHEATHING	YES	10d	2"	12"	12" O.C.	1/4" x 8" SDS SCREWS @ 4" O.C. (STAGGERED TO 4x BLK'G)	LTP4 @ 12" O.C.
E	164	1/2" STRUCTURAL I RATED SHEATHING (APPLIED TO BOTH SIDES OF WALL)	YES	10d	4" (BOTH SIDES)	12"	12" O.C.	5/8" x 8" LAG SCREWS @ 8" O.C. (STAGGERED TO 4x BLK'G)	LTP4 @ 8" O.C.
F	998	1/2" STRUCTURAL I RATED SHEATHING (APPLIED TO BOTH SIDES OF WALL)	YES	10d	3" (BOTH SIDES)	12"	12" O.C.	5/8" x 8" LAG SCREWS @ 8" O.C. (STAGGERED TO 4x BLK'G)	LTP4 @ 6" O.C.

- NOTES:**
- USE COMMON NAILS AT SHEARWALLS AND DIAPHRAGM.
 - ALL SHEARWALLS TO PENETRATE THROUGH CEILING JOIST AND ATTIC TO SHEAR CONNECT TO UPPER HORIZONTAL DIAPHRAGM. (FLOOR TO ROOF PLYWOOD)
 - AT SHEARWALLS WHERE OPENINGS OCCUR SUCH AS WINDOW AND DOOR APPLY PLYWOOD ABOVE OPENING.
 - PROVIDE "S" FLY AT 15/32" THICKNESS "4" FLY AT 3/8".
 - FLOOR PLYWOOD TO BE GULLED AS WELL AS NAILED TO JOISTS.
 - WHEN BOTH SIDES OF WALL RECEIVE PLYWOOD, STAGGER THE PLYWOOD JOINTS SO THAT THE VERTICAL JOINTS FROM TWO SIDES DO NOT FALL ON THE SAME STUD.
 - PROVIDE AT LEAST MINIMUM 1/2" EDGE DISTANCE FOR PLYWOOD B.N.
 - WHERE ALLOWABLE SHEAR VALUES EXCEED 300 PLF FOUNDATION SILL PLATES & ALL FRAMING MEMBERS RECEIVING EDGE NAILING FROM ABUTTING PANELS SHALL NOT BE LESS THAN A 3x NOMINAL MEMBER, NAILS SHALL BE STAGGERED.
 - MINIMUM 3"x3"x0.224 SQUARE PLATE WASHERS SHALL BE USED WITH ALL ANCHOR BOLTS IN SHEARWALL SILL PLATE.
 - ANCHOR BOLTS TO BE EMBEDDED 10" MINIMUM INTO FOUNDATION.
 - WOOD STRUCTURAL PANELS SHALL COMPLY WITH DOC P51 OR DOC P52.
 - SILL PLATE SHALL COMPLY WITH NDS 2018.
 - MINIMUM EDGE DISTANCE AND CONCRETE PROTECTION SHALL COMPLY WITH CBC M12 & ACI 318-14.
 - PERIODIC SPECIAL INSPECTION FOR SHEARWALL TYPES "B" THRU "F". PER CHAPTER 17.



HOLD-DOWN SCHEDULE (75% OF DESIGN CAPACITY)

1	4x POST w/ "M5T640" FLR-TO-FLR HOLD-DOWN MIN. (52) 16d SINKERS SPACED EVENLY (ALLOWABLE TENSION LOAD = 2301 LBS)	ICCA ER-2105 (LARRR 25713)
2	4x POST w/ "M5T652" FLR-TO-FLR HOLD-DOWN MIN. (48) 16d SINKERS SPACED EVENLY (ALLOWABLE TENSION LOAD = 3465 LBS)	ICCA ER-2105 (LARRR 25713)
3	4x POST w/ "M5T666" FLR-TO-FLR HOLD-DOWN MIN. (68) 16d SINKERS SPACED EVENLY (ALLOWABLE TENSION LOAD = 4395 LBS)	ICCA ER-2105 (LARRR 25713)
4	4x POST w/ "M5T668B" FLR-TO-FLR HOLD-DOWN MIN. (88) 0.148x3 NAILS TO POST, (4) 0.148x3 NAILS TO FACE OF BEAM & (4) 0.148x3 NAILS TO BOTTOM OF BEAM (ALLOWABLE TENSION LOAD = 3361 LBS)	ICCA ER-2105 (LARRR 25713)
5	4x POST w/ "M5T14" FLR-TO-FLR HOLD-DOWN (54" END LENGTH & (58) 16d TO EA. POST) (ALLOWABLE TENSION LOAD = 4868 LBS)	ICCA ER-2105 (LARRR 25713)
6	4x POST w/ "M5T12" FLR-TO-FLR HOLD-DOWN (45" END LENGTH & (43) 16d TO EA. POST) (ALLOWABLE TENSION LOAD = 6426 LBS)	ICCA ER-2105 (LARRR 25713)
7	4x POST w/ "H0U2" ON 55TB16 A.B. (ALLOWABLE TENSION LOAD = 2306 LBS)	ICCA ESR-2330 (LARRR 25720)
8	4x POST w/ "H0U4" ON 55TB20 A.B. (ALLOWABLE TENSION LOAD = 3423 LBS)	ICCA ESR-2330 (LARRR 25720)
9	4x POST w/ "H0U5" ON 55TB24 A.B. (ALLOWABLE TENSION LOAD = 4233 LBS)	ICCA ESR-2330 (LARRR 25720)
10	4x POST w/ "H0U8" ON 55TB28 A.B. (ALLOWABLE TENSION LOAD = 5221 LBS - (4x4 POST), 5402 LBS - (4x6 POST))	ICCA ESR-2330 (LARRR 25720)
11	4x POST w/ "H0U11" ON 1" ALL THREADED ROD (ALLOWABLE TENSION LOAD = 1151 LBS)	ICCA ESR-2330 (LARRR 25720)
12	4x POST w/ "H0U4" ON 1" ALL THREADED ROD (ALLOWABLE TENSION LOAD = 10742 LBS)	ICCA ESR-2330 (LARRR 25720)

- NOTES:**
- HOLD-DOWN ANCHORS MUST BE TIED IN PLACE PRIOR TO FOUNDATION INSPECTION.
 - DEEPEN FOOTINGS TO PROVIDE 3" MINIMUM CONCRETE COVER WHERE HOLD-DOWN ANCHORS ARE LONGER THAN THE FOOTING DEPTH.
 - USE (R/L) OPTION ON STD HOLD-DOWNS FOR RAISED WOOD SUB-FLOOR CONDITION.
 - SPECIFY THAT HOLD-DOWN CONNECTION BOLTS & NUTS SHALL BE TORQUED 1/2" TURN BEYOND FINGER TIGHT OR AS REQUIRED BY THE MANUFACTURER. INSPECTOR SHALL VERIFY BY RANDOM INSPECTION PRIOR TO COVERING WALLS.
 - HD CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE APPROVED PLATE WASHERS.
 - STRAP LOADS FOR FLOOR JOISTS UP TO 14" MAX IN DEPTH.
 - PLATE WASHERS ARE REQUIRED FOR ALL HOLD-DOWNS.

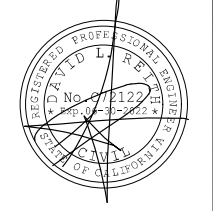
FRAMING NOTES:

- FOR PLATE HEIGHTS > 10'-0", USE 2 x 6 STUDS @ 16" O.C., FOR PLATE HEIGHTS < 10'-0" USE 2 x 4 STUDS @ 16" O.C.
- USE "EPC" OR "PC" @ ALL POST-TO-BEAM CONNECTIONS (N.N.O.)

UPPER ROOF FRAMING PLAN

VERIFY DIMENSIONS WITH ARCHITECTURAL PLANS SCALE: 1/4" = 1'-0"

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NEW TWO-STORY ADDITION & REMODEL
HERNANDEZ RESIDENCE
 121 S. G STREET
 OCNARD, CALIFORNIA 93030

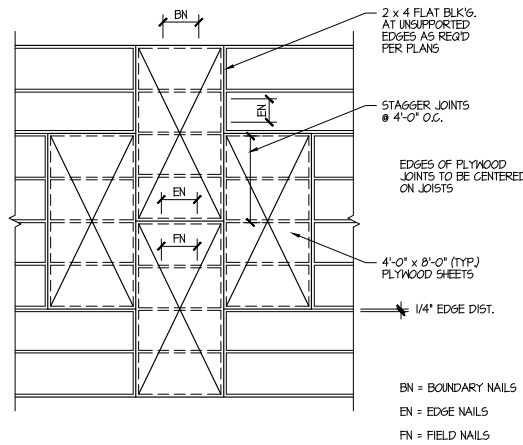
Issue Dates:
 ① 5-14-2021 Plan Check Submittal
 ②
 ③
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 ⑤

Sheet Title:
 Upper Roof Framing Plan

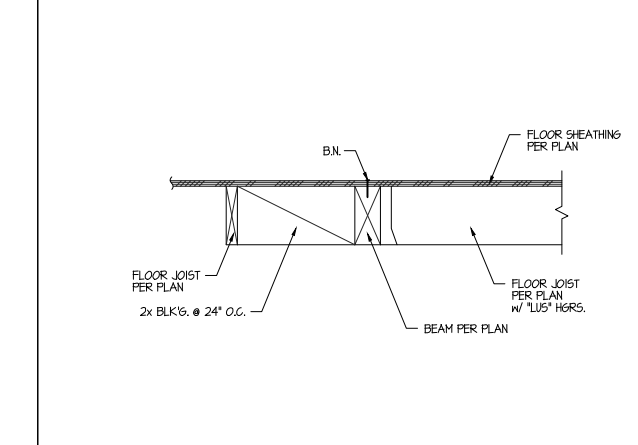
Scale: 1/4" = 1'-0"

Job # 21197

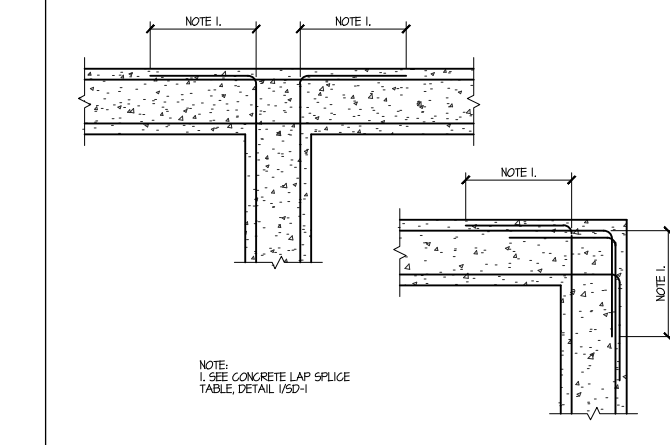
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SHEATHING LAYOUT AT JOIST / RAFTERS



CONNECTION DETAIL



CORNER AND INTERSECTION

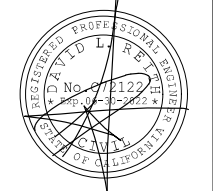
CONCRETE REINFORCING - $F_y = 60$ ksi										
$F_m = 1500$ psi (MIN)	LAP SPLICE (IN) - DEFORMED BARS									
	#3	#4	#5	#6	#7	#8	#9	#10	#11	
2500	16	32	34	41	64	78	88	100	110	
3000	15	29	36	43	63	72	81	91	101	
4000	13	25	31	37	54	62	70	79	87	

1. ALL SPLICES ARE CLASS B = 1.30 (PER CBC 192.15.1)
 2. #3 BARS $F_y = 40$ ksi
 3. db - BAR DIAMETER

CONCRETE LAP SPLICE TABLE

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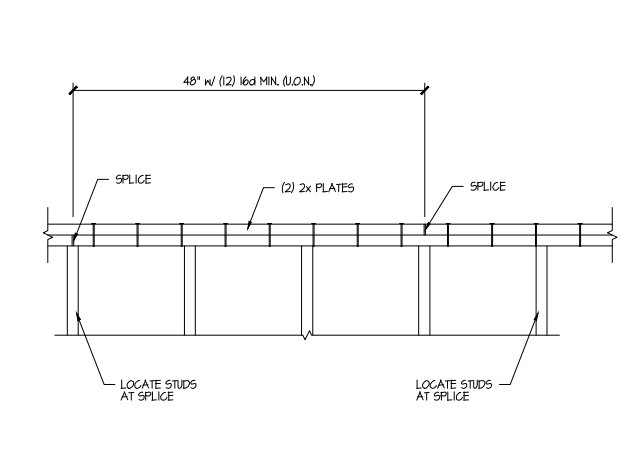


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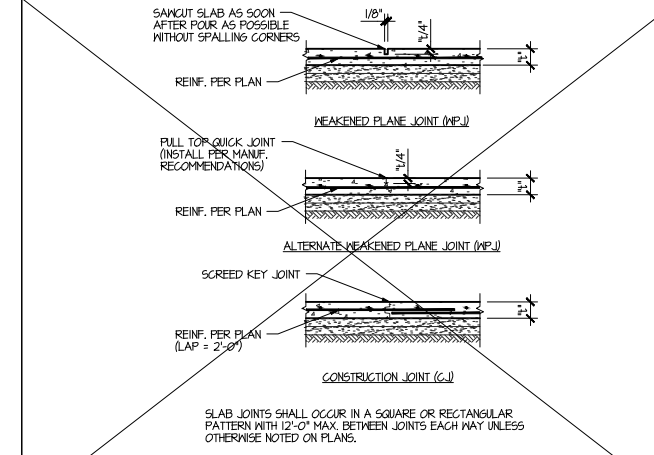
Issue Dates:
 1 5-14-2021
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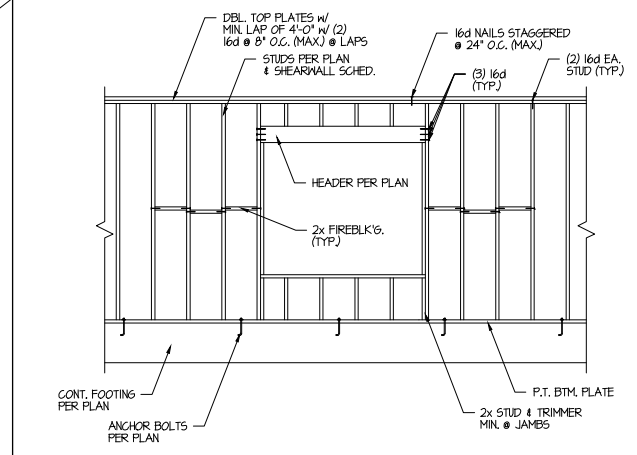
Sheet Title:
 Structural Details
 Scale: N.T.S.
 Job # 21197
 Sheet: SD-1



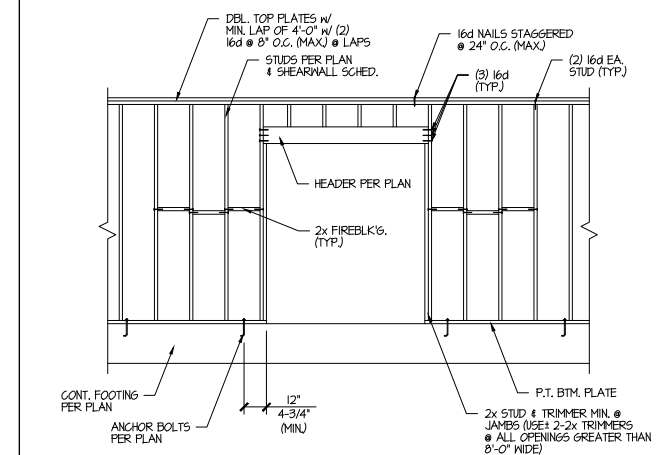
ELEVATION OF TYPICAL PLATE SPLICE



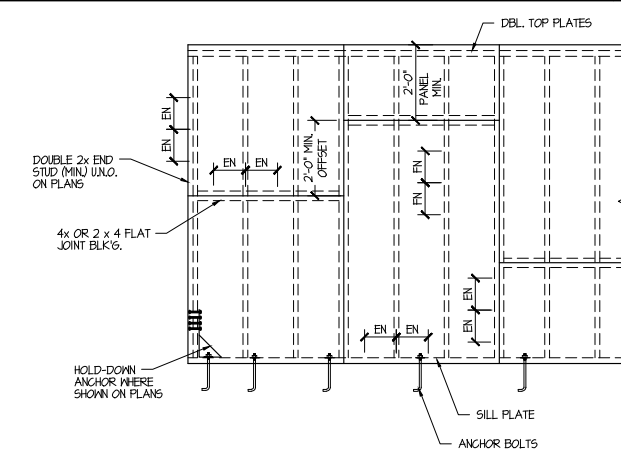
CONSTRUCTION JOINT



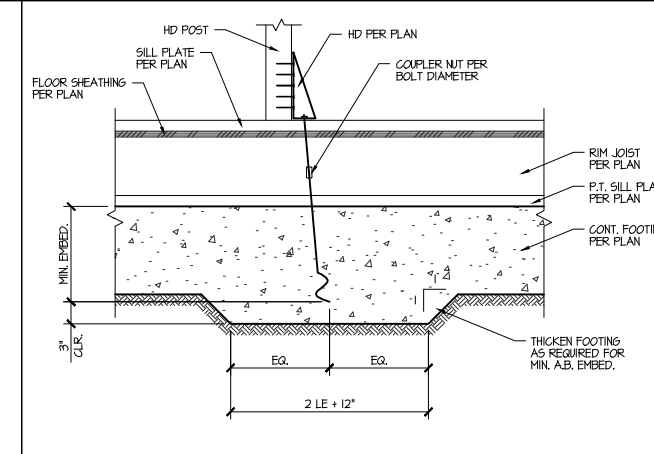
TYPICAL WINDOW FRAMING ELEVATION



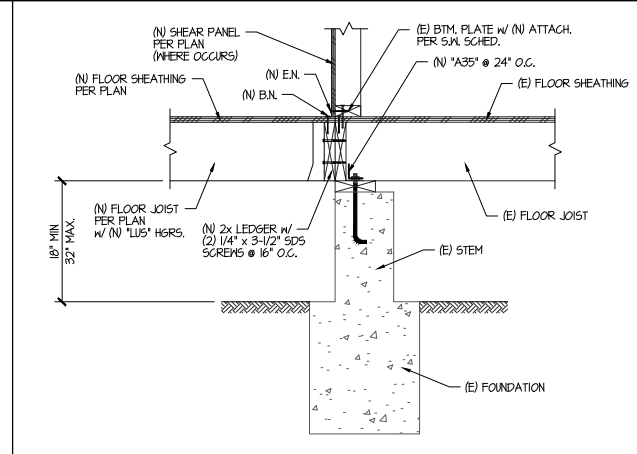
TYPICAL DOOR FRAMING ELEVATION



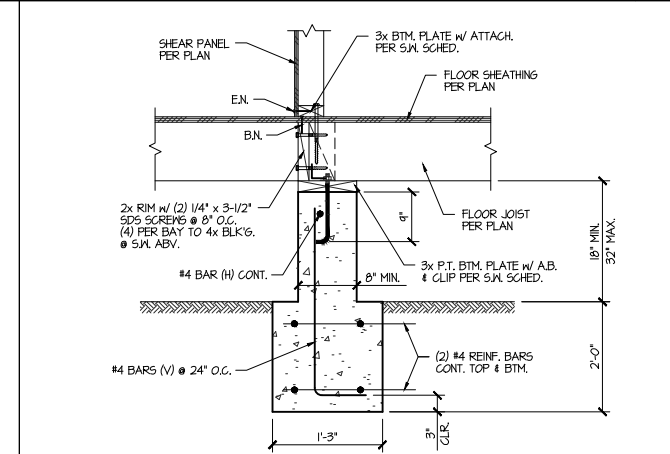
TYPICAL SHEARWALL ELEVATION



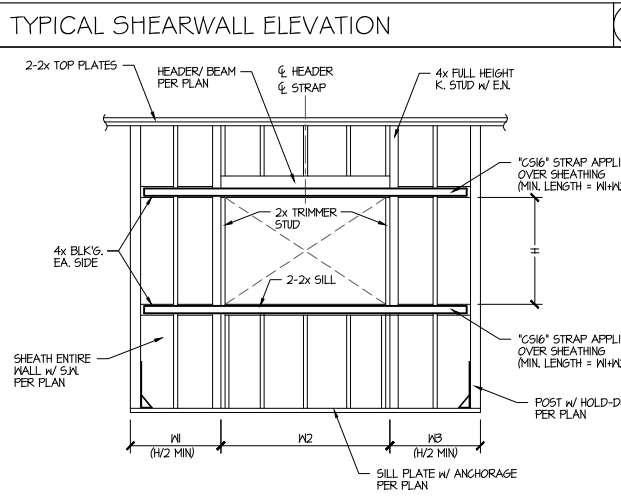
HOLD-DOWN AT RAISED FLOOR DETAIL



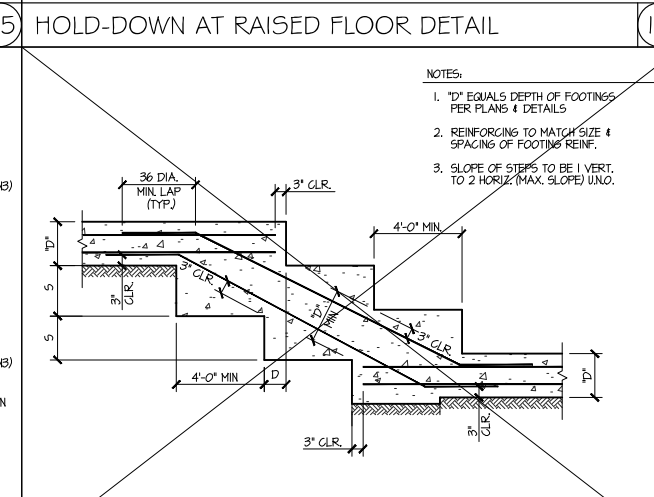
CONNECTION DETAIL



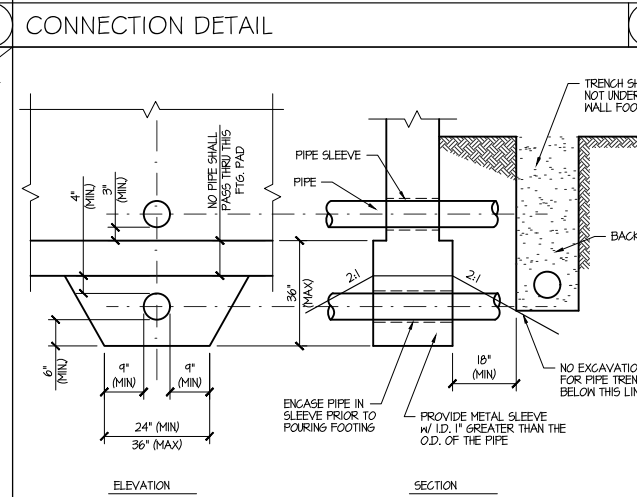
CONT. FOOTING DETAIL



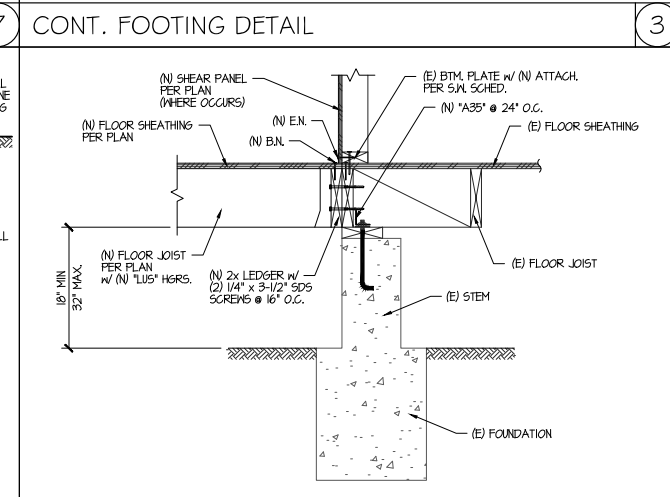
TYPICAL OPENING IN SHEARWALL



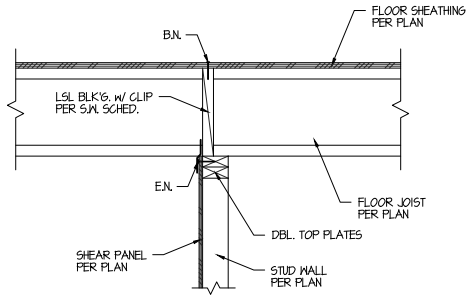
TYPICAL STEPPED FOOTING



PIPE AND TRENCH LOCATION

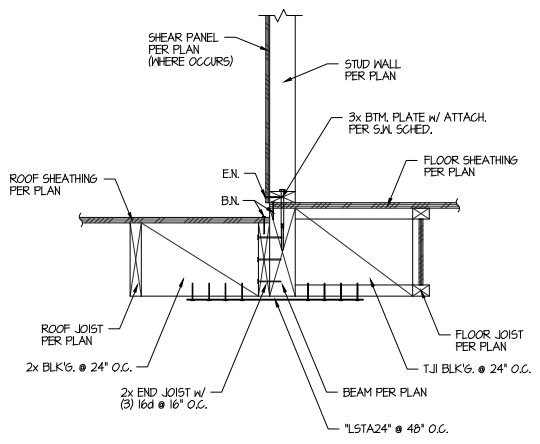


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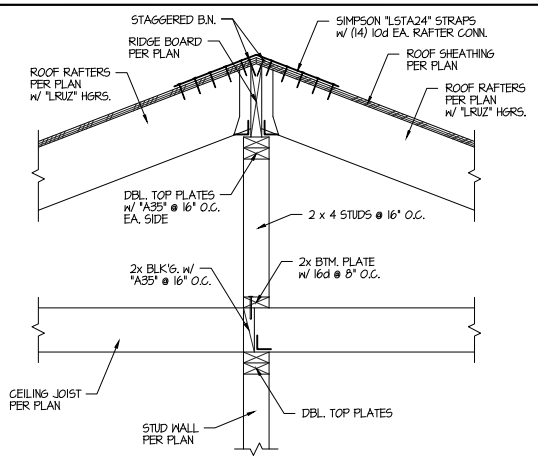
SHEAR TRANSFER DETAIL

13



CONNECTION DETAIL

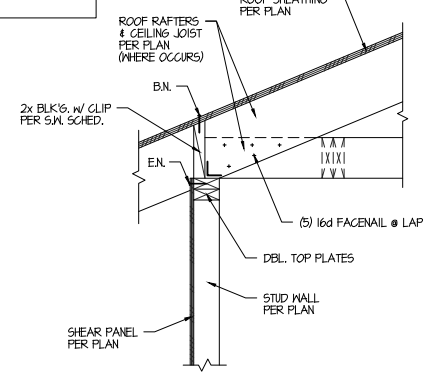
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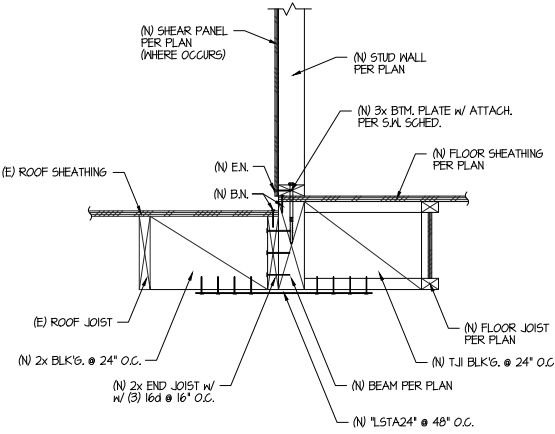
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NOTE:
THIS DETAIL IS FOR SHEAR TRANSFER CONNECTION ONLY. FOR EAVE DETAIL SEE ARCH. DWGS.



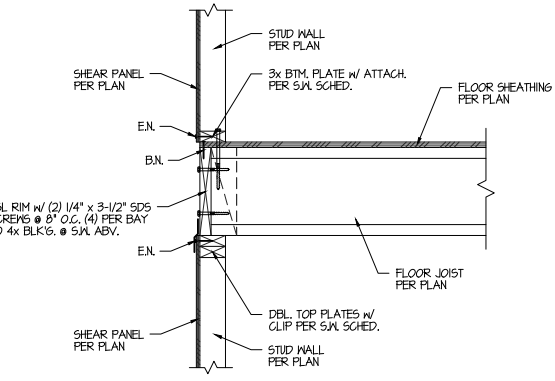
SHEAR TRANSFER DETAIL

1



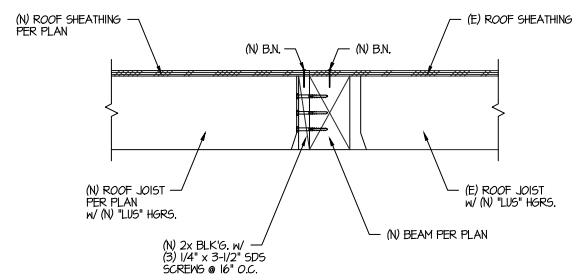
CONNECTION DETAIL

14



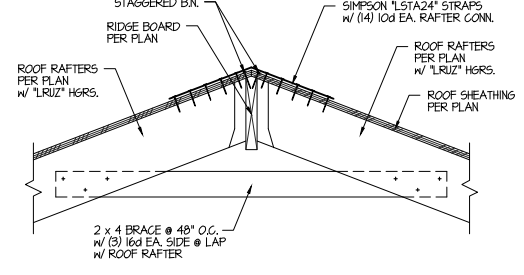
SHEAR TRANSFER DETAIL

10



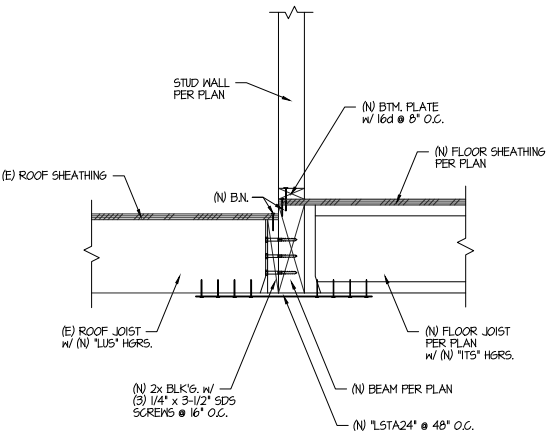
CONNECTION DETAIL

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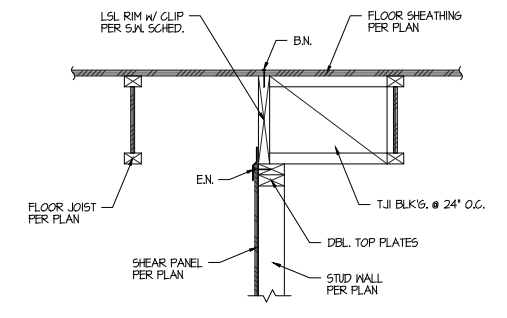
CONNECTION DETAIL

2



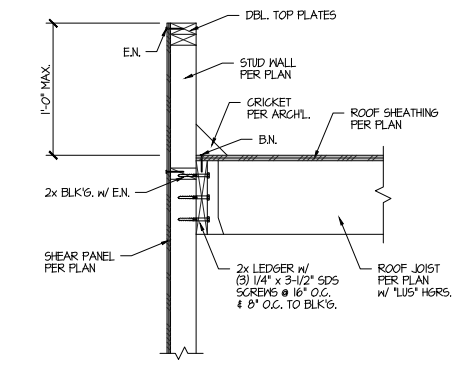
CONNECTION DETAIL

15



SHEAR TRANSFER DETAIL

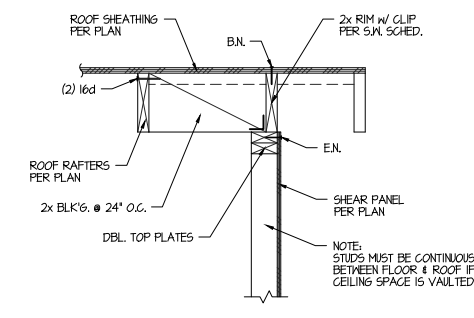
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SHEAR TRANSFER DETAIL

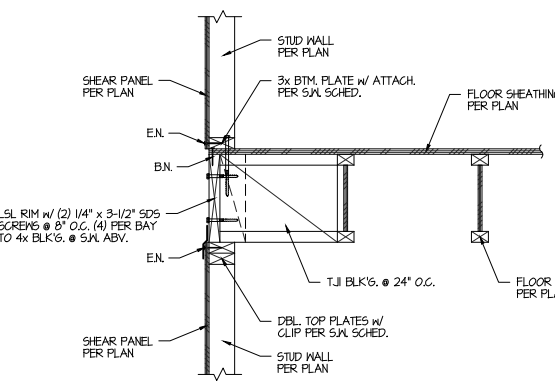
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NOTE:
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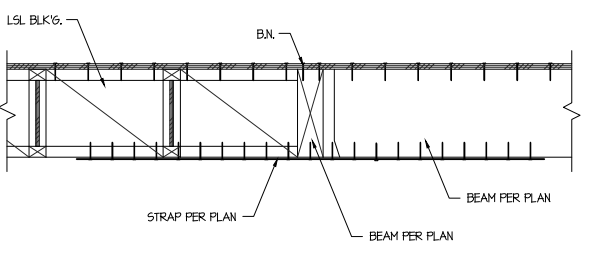
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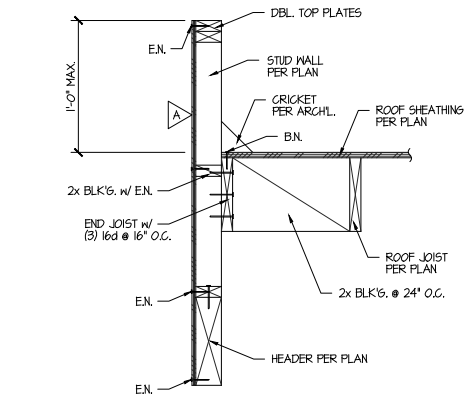
SHEAR TRANSFER DETAIL

16



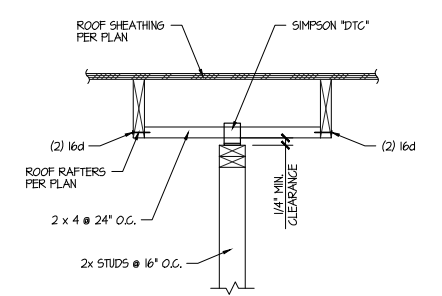
DRAG STRAP DETAIL

12



CONNECTION DETAIL

8

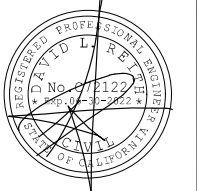


TYPICAL NON-BEARING WALL DETAIL

4

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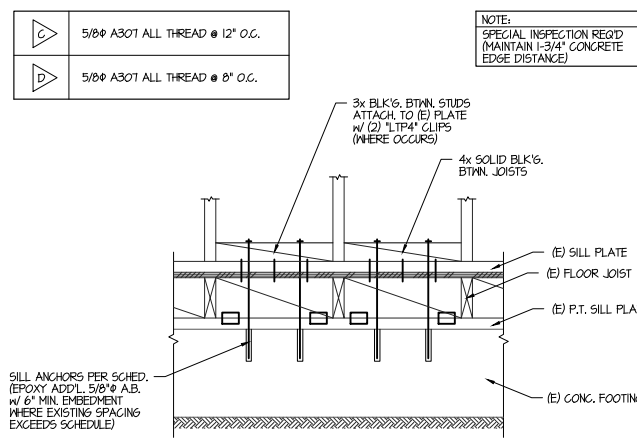
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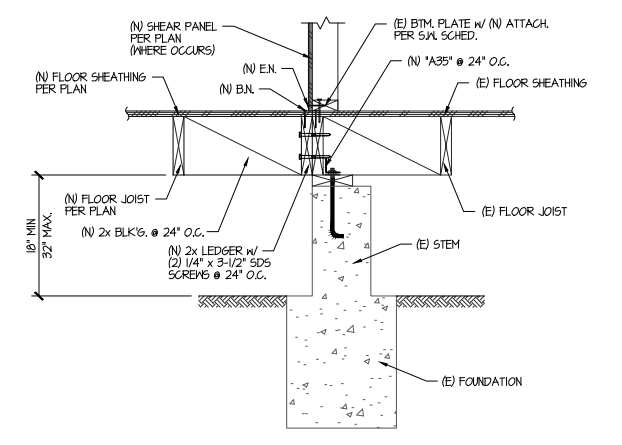
Job # 21197

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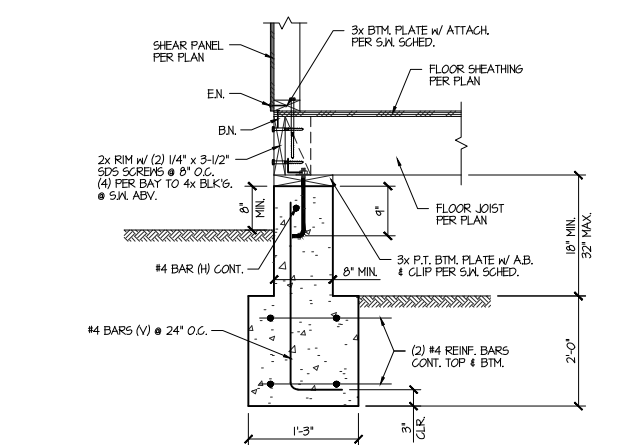
SD-2



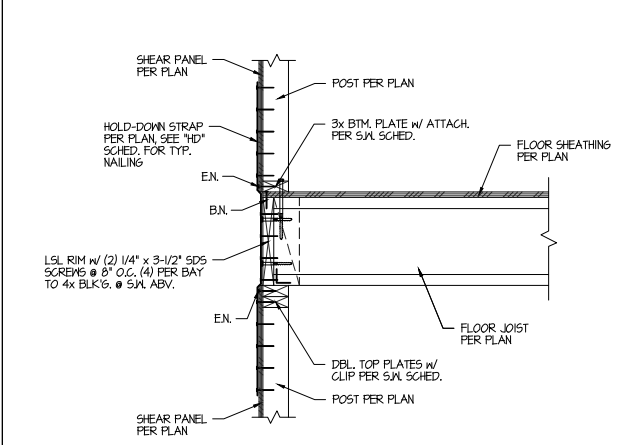
ANCHOR BOLT RETROFIT



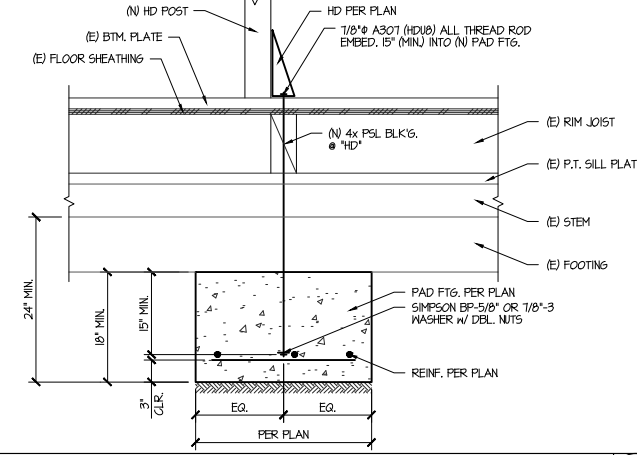
CONNECTION DETAIL



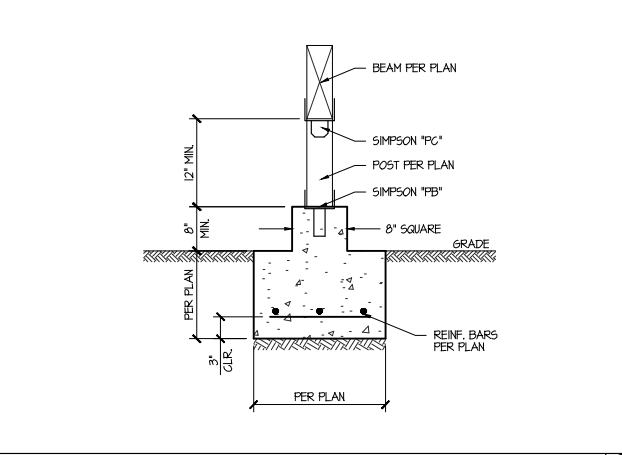
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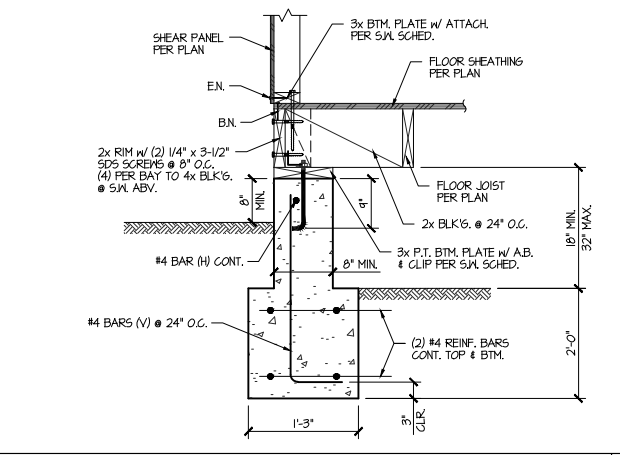
TYPICAL HOLD-DOWN AT FLOOR DETAIL



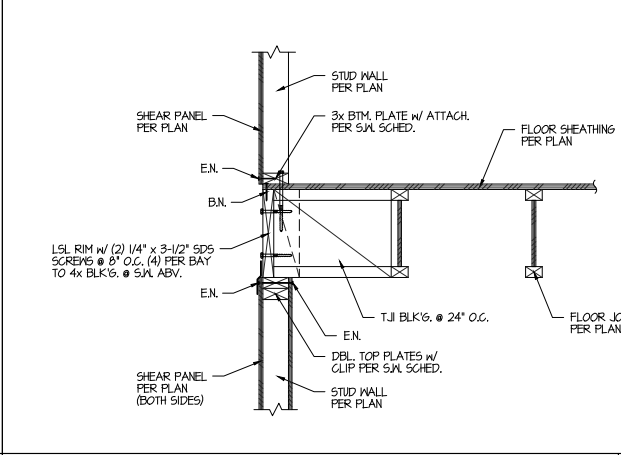
HOLD-DOWN RETROFIT



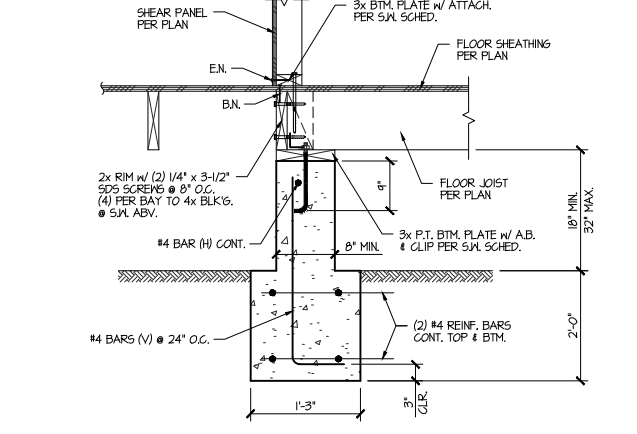
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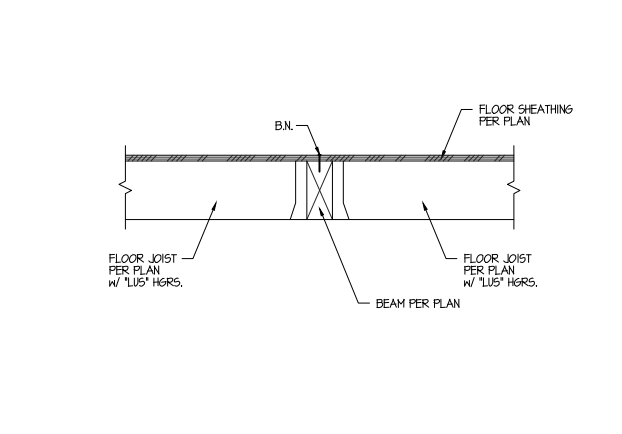
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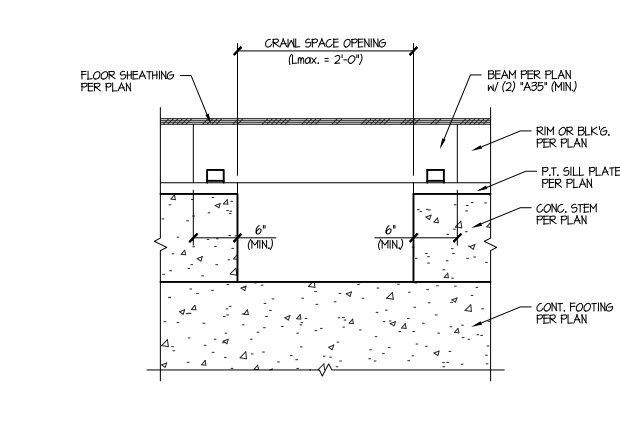
SHEAR TRANSFER DETAIL



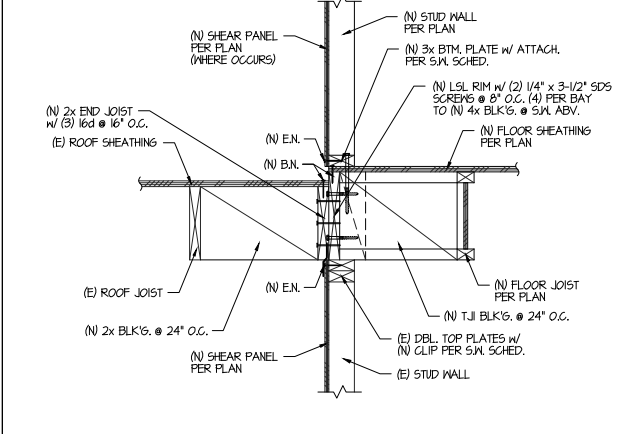
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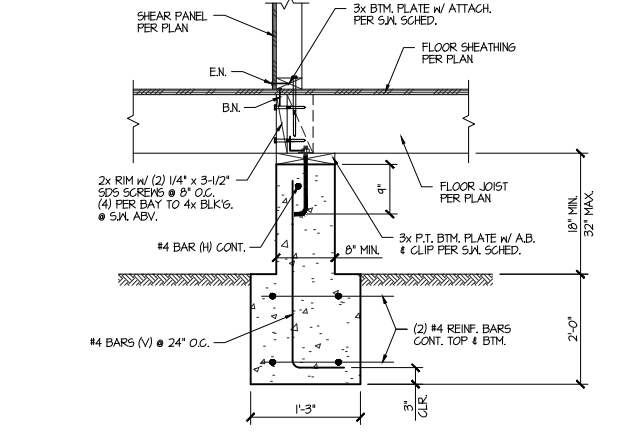
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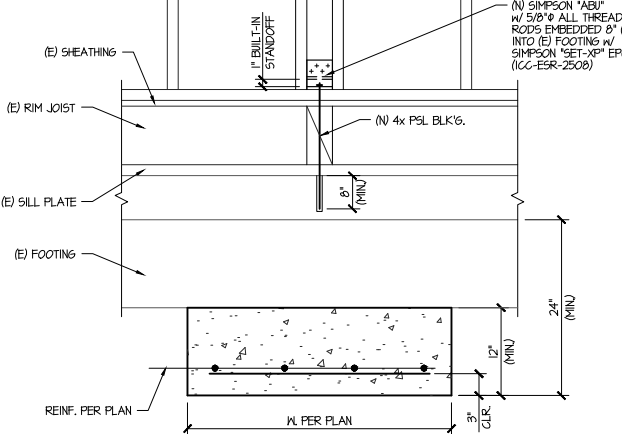
TYPICAL UNDERFLOOR ACCESS DETAIL



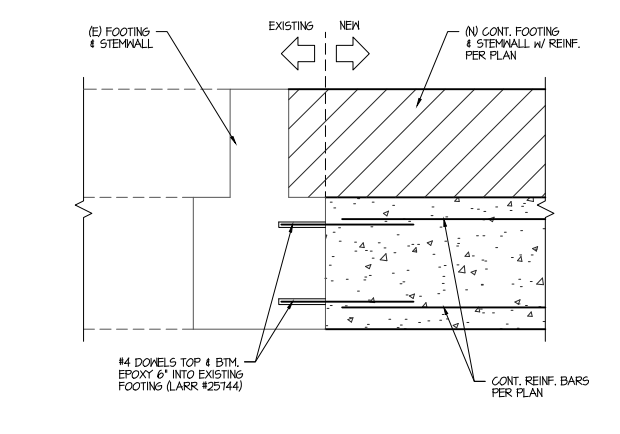
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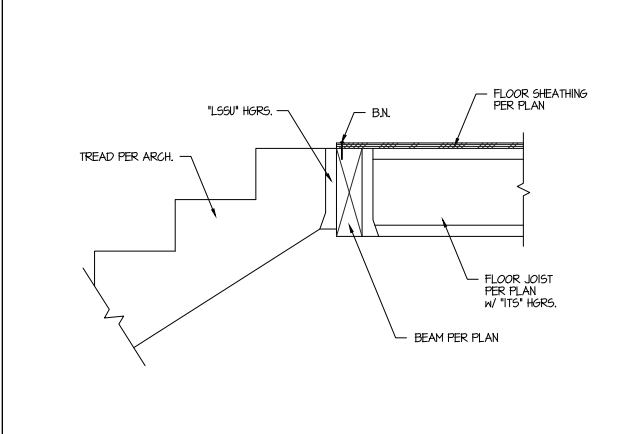
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SPREAD FOOTING DETAIL

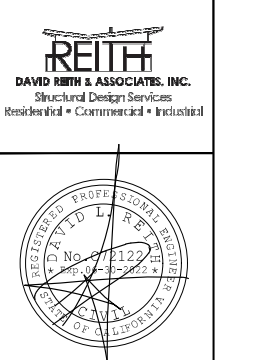


NEW TO EXISTING CONNECTION DETAIL



STAIR STRINGERS CONNECTION DETAIL

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