



PLAN 1 | COTTAGE



PLAN 1 | RANCH



PLAN 1 | SPANISH

CITY OF AGOURA HILLS | ACCESSORY DWELLING UNIT | PLAN 1

CITY OF AGOURA HILLS

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THESE PLANS ARE PROVIDED BY THE CITY OF AGOURA HILLS AS PART OF THE PRE-APPROVED ADU PROGRAM AND ARE PUBLIC DOMAIN. THERE CANNOT BE A CHARGE TO PROVIDE THESE PLANS. NO ALTERATIONS TO THESE PLANS ARE ALLOWED. ALL ALTERATIONS MUST BE DONE UNDER A SEPARATE PERMIT ONCE THE BUILDING PERMIT FOR THE ADU HAS BEEN ISSUED AND FINAL INSPECTION COMPLETED. IF YOU DO NOT HAVE THE CONSTRUCTION KNOWLEDGE AND EXPERIENCE TO CONTRUCT THESE PLANS WITHOUT FURTHER DETAILS, IT IS RECOMMENDED YOU HIRE A CONTRACTOR TO DO THE CONSTRUCTION. THE CITY WILL NOT PROVIDE FURTHER INFORMATION OR DETAILS AND BUILDING INSPECTORS WILL NOT PROVIDE STEP BY STEP INSTRUCTIONS IN THE FIELD.

PROJECT DIRECTORY

*FOR PLANNING STAFF ONLY
INITIAL WHEN SECTION HAS BEEN REVIEWED. STAFF INITIALS: _____

APPLICANT (TO BE PROVIDED BY OWNER)
ADDRESS: _____
CONTACT: _____
EMAIL: _____
PHONE: _____

ARCHITECT RRM DESIGN GROUP
ADDRESS: 3765 S. HIGUERA ST, SUITE 102
SAN LUIS OBISPO, CA 93401
CONTACT: RANDY RUSSOM
RWRUSSOM@RRMDESIGN.COM
P:(805) 543-1794

ENERGY CONSULTANT CARSTAIRS ENERGY INC.
ADDRESS: 2238 BAYVIEW HEIGHTS DRIVE, SUITE E
LOS OSOS, CA 93402
CONTACT: TIMOTHY CARSTAIRS
EMAIL: TITL24@YAHOO.COM
P:(805) 904-9048

SUPPORTING DOCUMENTS

ENERGY COMPLIANCE
PREPARED BY: TIMOTHY CARSTAIRS, CARSTAIRS ENERGY INC.
DATE PREPARED: 05/04/23
JOB NUMBER: 23-050313

TRUSS CALCULATIONS (TO BE PROVIDED BY OWNER)
PREPARED BY: _____
DATE PREPARED: _____
JOB NUMBER: _____

VICINITY MAP

*FOR PLANNING STAFF ONLY
INITIAL WHEN SECTION HAS BEEN REVIEWED. STAFF INITIALS: _____

(TO BE PROVIDED BY OWNER)

PROJECT INFORMATION

*FOR PLANNING STAFF ONLY
INITIAL WHEN SECTION HAS BEEN REVIEWED. STAFF INITIALS: _____

PROJECT SCOPE:
1. CONSTRUCTION OF A NEW DETACHED 1 STORY 554 SF ACCESSORY DWELLING UNIT WITH 1 BATH.
2. ALL SITE WORK WITHIN THE PROPERTY LINE.
3. ALL THE WORK SHOWN IN THE DRAWINGS AND SPECIFICATIONS.

SITE INFORMATION: (TO BE PROVIDED BY CITY OF AGOURA HILLS)
STREET ADDRESS: _____
APN: _____
ZONING: _____
LOT SIZE: _____
LAND USE: _____
EXISTING USE: _____
PROPOSED USE: _____

SETBACKS (TO BE PROVIDED BY CITY OF AGOURA HILLS)

	REQUIRED	PROPOSED
FRONT:		
REAR:	4' - 0"	
SIDES:	4' - 0"	
STRUCTURE SEPARATIONS:	10' - 0"	

BUILDING INFORMATION:
NUMBER OF STORIES: 1
OCCUPANCY GROUP: R-3
CONSTRUCTION TYPE: _____
SPRINKLERED: _____
MAX. HEIGHT ALL: _____
FROM GROUND TO FINISH FLOOR: 16'-0"
MAX. HEIGHT TO ROOF: 13'-0"

UTILITIES
WATER AND SEWER SERVICE: _____
ELECTRICAL SERVICE: _____
GAS SERVICE: _____
TELEPHONE SERVICE: AT&T
GARBAGE SERVICE: WM
CABLE SERVICE: SPECTRUM

BUILDING AREAS
PLAN 1 - STUDIO
BUILDING AREA: 554 SF
FRONT PORCH AREA: 73 SF

HERS TESTS REQUIRED
1. QUALITY INSULATION INSTALLATION (QII)
2. KITCHEN RANGE HOOD
3. REFRIGERANT CHARGE
4. DUCT SEALING
5. IAQ
6. OTHERS AS REQUIRED BY ENERGY DOCUMENTATION

SPECIAL FEATURES REQUIRED
THE FOLLOWING ARE FEATURES THAT MUST BE INSTALLED AS CONDITION FOR MEETING THE MODELED ENERGY PERFORMANCE. SEE TITLE 24 REPORT FOR MORE INFO.
1. VARIABLE CAPACITY HEAT PUMP COMPLIANCE OPTION
2. NORTHWEST ENERGY EFFICIENCY ALLIANCE (NEEA) RATED HEAT PUMP WATER HEATER; SPECIFIC BRAND/MODEL, OR EQUIVALENT, MUST BE INSTALLED

PROJECT CHECKLIST

*FOR PLANNING STAFF ONLY
INITIAL WHEN SECTION HAS BEEN REVIEWED. STAFF INITIALS: _____

WASTE WATER
 SEWER
 SEPTIC (REQUIRES APPROVAL BY LA COUNTY HEALTH DEPT.)

FIRE SPRINKLERS
DOES THE PRIMARY RESIDENCE HAVE NFPA 13D SPRINKLERS?
 NO
 YES
REQUIRED AT PROPOSED ADU:
 NO (NOT REQUIRED IF PRIMARY RESIDENCE IS UNSPRINKLERED)
 YES (REQUIRED IF PRIMARY RESIDENCE IS SPRINKLERED)

STONE SELECTION
COLOR: _____
COTTAGE
STONE VENEER COLOR: _____
STUCCO (CEMENT PLASTER) COLOR: _____
FIBER CEMENT TRIM COLOR: _____
SHINGLE ROOF COLOR: _____

RANCH
STONE VENEER COLOR: _____
STUCCO (CEMENT PLASTER) COLOR: _____
FIBER CEMENT TRIM COLOR: _____
SHINGLE ROOF COLOR: _____

SPANISH
STUCCO (CEMENT PLASTER) COLOR: _____
STUCCO (CEMENT PLASTER) ACCENT COLOR: _____
FIBER CEMENT TRIM COLOR: _____
TILE ROOF COLOR: _____

ONSITE PARKING REQUIRED
 NONE, EXCEPTION USED:
 THE ADU IS LESS THAN 800 SF, NO PARKING REQUIRED.
 THE ADU IS LOCATED WITHIN 1/2 MILE OF PUBLIC TRANSIT.
 OFF STREET PARKING PERMITS ARE REQUIRED BUT NOT OFFERED TO THE OCCUPANT OF THE ADU.
 THE ADU IS LOCATED WITHIN AN AREA WHERE ON-STREET PARKING PERMITS ARE REQUIRED, BUT NOT OFFERED TO AN ADU OCCUPANT.
 WHEN THERE IS A CAR SHARE VEHICLE LOCATED WITHIN ONE BLOCK OF THE ADU.
 ONE PARKING SPACE, NO EXEMPTION

CA RESIDENTIAL CODE ADOPTED WITH LOCAL AMENDMENTS
1. PER CITY ORDINANCE NO-22-465 SECTION 1208.13.1, FOR ANY ALTERATION OR ADDITION THAT EXCEEDS \$10,000.00 VALUATION, SEISMIC GAS SHUT OFF VALVE INSTALLATION SHALL BE ADDED TO SCOPE OF WORK.

ADDRESS IDENTIFICATION [R319.1]
1. BUILDINGS SHALL HAVE APPROVED ADDRESS NUMBERS OR APPROVED BUILDING IDENTIFICATION PLACED IN A POSITION THAT IS PLAINLY LEGIBLE AND VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. THESE NUMBERS SHALL CONTRAST WITH THEIR BACKGROUND. ADDRESS NUMBERS SHALL BE ARABIC NUMBERS OR ALPHABETICAL LETTERS. NUMBER SHALL BE A MINIMUM OF 4" HIGH WITH A MINIMUM STROKE OF 1/2". WHERE ACCESS IS BY MEANS OF A PRIVATE ROAD AND THE BUILDING ADDRESS CANNOT BE VIEWED FROM THE PUBLIC WAY, A MONUMENT, POLE, OR OTHER SIGN OR MEANS SHALL BE USED TO IDENTIFY THE STRUCTURE (R319.1).

USER LICENSE AGREEMENT

BY USING THESE PERMITS FOR AN ACCESSORY DWELLING UNIT, YOU AGREE TO RELEASE, DEFEND, HARMLESS, AND INDEMNIFY THE CITY OF AGOURA HILLS, ITS ELECTED OFFICIALS, AND EMPLOYEES, RRM DESIGN GROUP AND THE ARCHITECTURAL ENGINEER FROM AND TO PREVENT THESE DESIGN DOCUMENTS FROM BEING USED FOR ANY OTHER PURPOSES, SUITS AND DAMAGES ON ACCOUNT OF ANY THEORY, DAMAGE OR LOSS TO PERSONS OR PROPERTY, INCLUDING INTELLECTUAL PROPERTY, ECONOMIC LOSSES, ARISING OUT OF THE USE OF THESE DOCUMENTS.

THE PLANS ATTACHED HEREIN ARE APPROVED FOR ONLY USE IN CITY OF AGOURA HILLS. NO ALTERATIONS, CHANGES, OR OPTIONS BEYOND THOSE SPECIFICALLY INDICATED ARE ALLOWED WITHOUT PRIOR APPROVAL BY THE INDICATED JURISDICTION OFFICIAL. ANY UNAPPROVED PLAN OPTION WILL NOT BE DEVELOPED THROUGH RRM DESIGN GROUP AND THE ARCHITECTURAL ENGINEER'S APPROVAL IF REQUIRED.

OWNER'S SIGNATURE _____ DATE _____

VERY HIGH FIRE HAZARD SEVERITY ZONES (VHFHSZ) REQUIRMENTS [R337]

- THE USE OF PAINTS, COATINGS, STAINS OR OTHER SURFACE TREATMENTS ARE NOT AN APPROVED METHOD OF PROTECTION IN VHFHSZ.
- ADDITIONAL ACCEPTABLE PRODUCTS FOR EXTERIOR WILDFIRE EXPOSURE CAN BE FOUND AT THE OFFICE OF THE STATE FIRE MARSHAL. ACCESS TO THE "BUILDING MATERIALS LISTING PROGRAM" CAN BE FOUND AT THE FOLLOWING LINK: [HTTPS://OSFM.FIRE.CA.GOV/DIVISIONS/FIRE-ENGINEERING-AND-INVESTIGATIONS/BUILDINGS-MATERIALS-LISTING/BML-SEARCH-BUILDING-MATERIALS-LISTING/](https://osfm.fire.ca.gov/divisions/fire-engineering-and-investigations/buildings-materials-listing/bml-search-building-materials-listing/)

FIRE SPRINKLERS NOTES

- IF FIRE SPRINKLERS ARE REQUIRED AT PROPOSED ADU THEN THE FOLLOWING NOTES APPLY.
- A SEPARATE FIRE SPRINKLER PERMIT FROM THE LOS ANGELES COUNTY FIRE DEPARTMENT IS REQUIRED.
- AUTOMATIC FIRE SPRINKLER SYSTEM - AN AUTOMATIC FIRE SPRINKLER SYSTEM SHALL BE INSTALLED AS PER NFPA 13D THE MOST CURRENT EDITION. DETAILED SPRINKLER PLANS SHALL BE SUBMITTED TO THE FIRE PREVENTION BUREAU AND APPROVED PRIOR TO INSTALLATION. PLANS AND INSTALLATION MUST BE BY A C16 LICENSED SPRINKLER CONTRACTOR.
- SECTION 903.2.1 GROUP R** AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3 SHALL BE PROVIDED THROUGHOUT ALL BUILDINGS WITH A GROUP R FIRE AREA. THIS INCLUDES SINGLE FAMILY DWELLINGS, MULTI-FAMILY DWELLINGS AND ALL RESIDENTIAL CARE FACILITIES REGARDLESS OF OCCUPANT LOAD.
- LOCATION AND SIZE OF WATER SERVICE UNDERGROUND SHALL BE INSTALLED AS SHOWN ON APPROVED FIRE SPRINKLER PLANS. A MINIMUM 1 INCH WATER SHALL BE INSTALLED.
- A FIRE UNDERGROUND FLUSH CERTIFICATION SHALL BE REQUIRED AT FINAL INSPECTION.
- A HYDRO INSPECTION OF THE FIRE SPRINKLER SYSTEM IS REQUIRED PRIOR TO FRAME INSPECTION. ONLY THE NEW PIPING SHALL BE TESTED.

SEPARATE SUBMITTALS

- RETAINING WALL
- GRADING WORK
- BLOCK WALL
- SWIMMING POOL
- FIRE SPRINKLER SYSTEM
- SEPARATE STRUCTURE
- PHOTOVOLTAIC (SOLAR) - PV AS REQUIRED BY THE ENERGY T24 REPORT SHALL BE INSTALLED PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.
- DEMOLITION

AGOURA HILLS | ADU
CITY OF AGOURA HILLS
TITLE SHEET

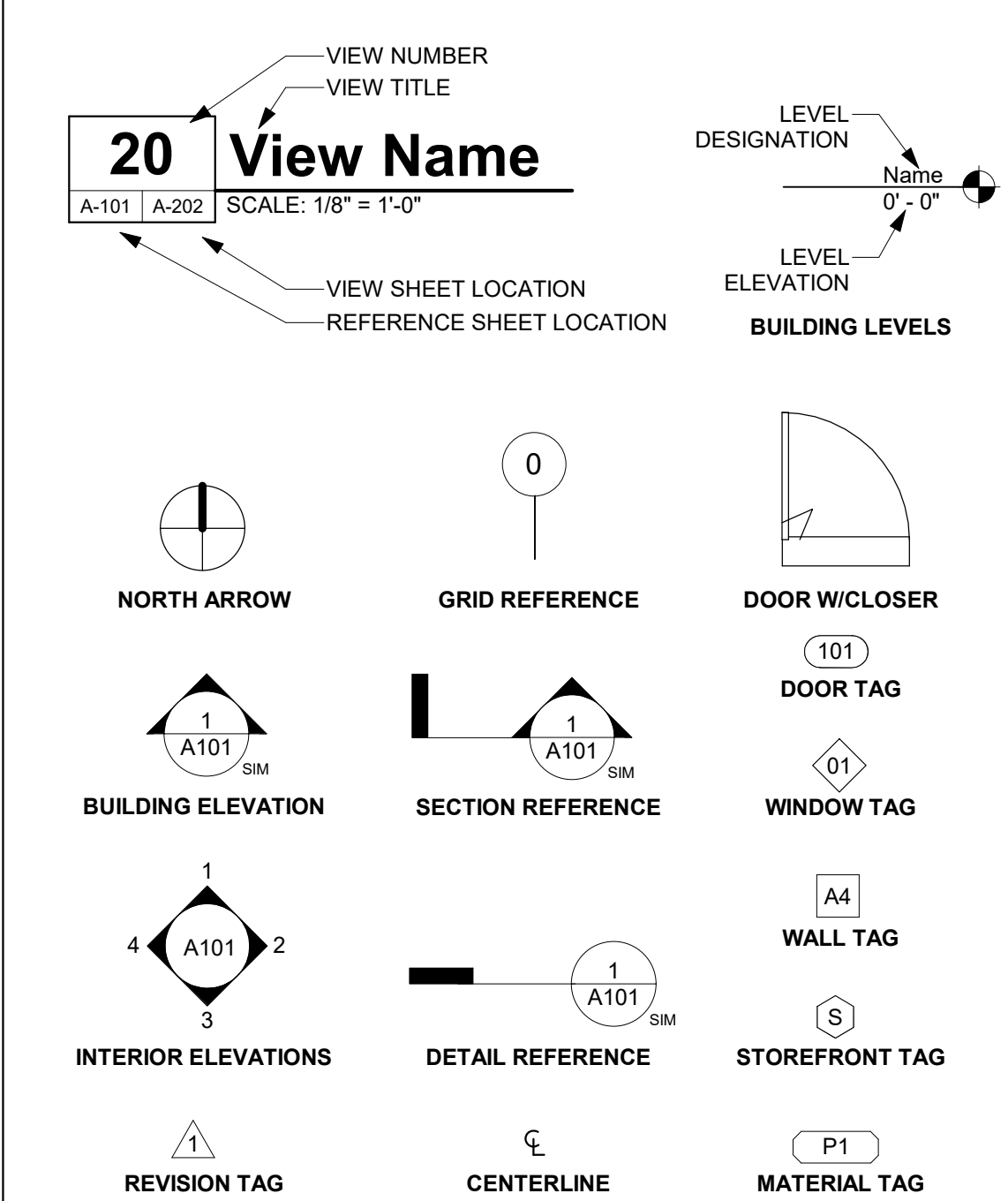
APPROVED SET
DATE: 09/28/23
SHEET: G-001

THESE PLANS ARE PROVIDED BY THE CITY OF AGOURA HILLS AS PART OF THE PRE-APPROVED ADU PROGRAM AND ARE PUBLIC DOMAIN. THERE CANNOT BE A CHARGE TO PROVIDE THESE PLANS. NO ALTERATIONS TO THESE PLANS ARE ALLOWED. ALL ALTERATIONS MUST BE DONE UNDER A SEPARATE PERMIT ONCE THE BUILDING PERMIT FOR THE ADU HAS BEEN ISSUED AND FINAL INSPECTION COMPLETED. IF YOU DO NOT HAVE THE CONSTRUCTION KNOWLEDGE AND EXPERIENCE TO CONSTRUCT THESE PLANS WITHOUT FURTHER DETAILS, IT IS RECOMMENDED YOU HIRE A CONTRACTOR TO DO THE CONSTRUCTION. THE CITY WILL NOT PROVIDE FURTHER INFORMATION OR DETAILS AND BUILDING INSPECTORS WILL NOT PROVIDE STEP BY STEP INSTRUCTIONS IN THE FIELD.

ABBREVIATIONS

A/C	AIR CONDITIONING	FOIC	FURNISHED BY OWNER INSTALLED BY CONTRACTOR	PV	PHOTO VOLTAIC
ABV	ABOVE	FOM	FACE OF MASONRY	PVC	POLYVINYL CHLORIDE
ACOUS	ACOUSTICAL	FOS	FACE OF STUD	PVMT	PAVEMENT
ACT	ACOUSTICAL CEILING TILE	FRP	FIBERGLASS REINFORCED PANELS	QTY	QUANTITY
ADA	AMERICANS WITH DISABILITIES ACT	FT	FOOT OR FEET	R	RADIUS, RISER
AFCI	ARC FAULT CIRCUIT INTERRUPTER	FTG	FOOTING	RB	RUBBER BASE
AFF	ABOVE FINISH FLOOR	GA	GAUGE, GAGE	RCP	REFLECTED CEILING PLAN
AL	ALUMINUM	GALV	GALVANIZED	RD	ROOF DRAIN
ALT	ALTERNATE	GB	GRAB BAR	REF	REFRIGERATOR
ARCH	ARCHITECT(URAL)	GC	GENERAL CONTRACTOR	REINF	REINFORCED
BD	BOARD	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	REQD	REQUIRED
BDRM	BEDROOM	GWB	GYPNUM BOARD	RH	RIGHT HAND
BET	BETWEEN	GYP	GYPNUM	RM	ROOM
BIT	BITUMINOUS	HB	HOSE BIBB	RO	ROUGH OPENING
BLDG	BUILDING	HC	HOLLOW CORE	RTU	ROOF TOP UNIT (MECH)
BLKG	BLOCKING	HDWD	HARDWOOD	S	SOUTH
BLW	BELOW	HDWR	HARDWARE	SAFB	SOUND ATTENUATION FIBER BATT
BM	BEAM	HGT	HEIGHT	SAWP	SELF ADHEREING WATERPROOFING
BOT	BOTTOM	HM	HOLLOW METAL	SC	SCUPPER/SOLID CORE
BUR	BUILT UP ROOF	HORIZ	HORIZONTAL	SCHED	SCHEDULE
CB	CATCH BASIN	HVAC	HEATING, VENTILATION, A/C	SEAL	SEALANT
CBC	CALIFORNIA BUILDING CODE	ID	INSIDE DIAMETER	SECT	SECTION
CEM	CEMENT	IIC	IMPACT INSULATION CLASS	SF	SQUARE FOOT
CFM	CUBIC FEET PER MINUTE	IN	INCH	SHT	SHEET
CIP	CAST IN PLACE	INCAND	INCANDESCENT	SHTHG	SHEATHING
CJ	CONTROL JOINT	INSUL	INSULATION, INSULATED	SIM	SIMILAR
CL	CENTER LINE	INT	INTERIOR	SM	SHEET METAL
CLG	CEILING	JC	JANITORS CLOSET	SPEC	SPECIFICATION
CLO	CLOSET	JT	JOINT	SQ	SQUIRE
CLR	CLEAR	LAM	LAMINATE	SS	SOLID SURFACE
CMU	CONCRETE MASONRY UNIT	LAV	LAVATORY	SSTL	STAINLESS STEEL
CO	CLEAN OUT	LBS	POUNDS	STC	SOUND TRANSMISSION CLASS
COL	COLUMN	LEED	LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN	STD	STANDARD
CONC	CONCRETE	LF	LINEAR FEET	STL	STEEL
CONST	CONSTRUCTION	LIN	LINEN CLOSET	STOR	STORAGE
CONT	CONTINUOUS	LINO	LINOLEUM	STRUCT	STRUCTURAL
CONTR	CONTRACTOR	LT(G)	LIGHT(ING)	SUSP	SUSPENDED
CPT	CARPET	LVL	LAMINATED VENEER LAMBER	SV	SHEET VINYL
CT	CERAMIC TILE	LVT	LUXURY VINYL TILE	SYM	SYMMETRICAL
CTR	CENTER	LW	LAVATORY	T	TREAD
DBL	DOUBLE	MAX	MAXIMUM	T&G	TONGUE & GROOVE
DF	DRINKING FOUNTAIN	MDP	MEDIUM DENSITY FIBERBOARD	TEL	TELEPHONE
DIA	DIAMETER	MCH	METAL MECHANICAL	TEMP	TEMPERED
DIM	DIMENSION	M	METAL MECHANICAL, ELECTRICAL, PLUMBING	TER	TERRAZZO
DN	DOWN	MIN	MINIMUM	THK	THICK
DR	DR	MISC	MISCELLANEOUS	THR	THRESHOLD
DT	DOWN SPOUT	MO	MASONRY OPENING	TJI	TRUSS JOIST I-JOIST
DY	DY	MTD	MOUNTED	TO	TOP OF
DIS	DISBURSER	MTL	METAL	TOS	TOP OF SLAB
DRAW	DRAWING	N	NORTH	TOW	TOP OF WALL
EX	EXISTING	NIC	NOT IN CONTRACT	TRANS	TRANSFORMER
EA	EACH	NO	NUMBER	TV	TELEVISION
EJ	EXPANSION JOINT	NOM	NOMINAL	TYP	TYPICAL
EL	ELEVATION	NTS	NOT TO SCALE	UFAS	UNIFORM FEDERAL ACCESSIBILITY STANDARDS
ELEV	ELEVATION	O.P.	OVERFLOW PIPE	UG	UNDERGROUND
ENC	ENCLOSURE	OC	ON CENTER	UNFIN	UNFINISHED
ENCL	ENCLOSURE	OD	OVERFLOW DRAIN	UNO	UNLESS NOTED OTHERWISE
EQ	EQUIPMENT	OFF	OFFICE	UV	ULTRAVIOLET
EXH	EXHAUST	OH	OPPOSITE HAND	VCT	VINYL COMPOSITION TILE
EXP	EXPANSION	OPG	OPENING	VERT	VERTICAL
EXT	EXTERIOR	OPP	OPPOSITE	VIF	VERIFY IN FIELD
FACP	FIRE ALARM CONTROL PANEL	(P)	PROPOSED	VTR	VENT TERMINATION PIPE
FAU	FORCED AIR UNIT	PERM	PERIMETER	VWC	VINYL WALL COVERING
FAWP	FLUID APPLIED WATERPROOFING	PERP	PERPENDICULAR	W	WEST
FD	FLOOR DRAIN	PG	PAINT GRADE	W/	WITH
FDC	FIRE DEPARTMENT CONNECTION	PL	PLATE, PROPERTY LINE	W/D	WASHER DRYER
FE	FIRE EXTINGUISHER	PLAM	PLASTIC LAMINATE	W/O	WITHOUT
FEC	FIRE EXTINGUISHER CABINET	PLBG	PLUMBING	WC	WATERCLOSET
FF	FINISHED FLOOR ELEVATION	PLYWD	PLYWOOD	WD	WOOD
FG	FINISHED GRADE	PNL	PANEL	WDW	WINDOW
FH	FIRE HYDRANT	PP	POWER POLE	WH	WATER HEATER
FHC	FIRE HOSE CABINET	PR	PAIR	WI	WROUGHT IRON
FIN	FINISH	PRTN	PARTITION	WIN	WINDOW
FIXT	FIXTURE	PSF	POUNDS PER SQUARE FOOT	WP	WATERPROOF(ING)
FLR	FLOOR	PSI	POUNDS PER SQUARE INCH	WR	WEATHER RESISTIVE
FLUOR	FLOURESCENT	PSL	PARALLEL STRAND LUMBER	WRB	WATER RESISTIVE BARRIER
FND	FOUNDATION	PT	PRESSURE TREATED	WSCT	WAINSCOT
FO	FACE OF	PTD	PAINTED	WT	WEIGHT
FOC	FACE OF CONCRETE			WWF	WELDED WIRE FABRIC
FOF	FACE OF FINISH			YD	YARD

SYMBOLS



FOR USE IN THE CITY OF AGOURA HILLS

INFORMATION ONLY

NOT FOR CONSTRUCTION

AGOURA HILLS | ADU
 CITY OF AGOURA HILLS
GENERAL NOTES

APPROVED SET

DATE
 09/28/23
 SHEET

G-102

BUILDING ENERGY ANALYSIS REPORT

PROJECT:
Agoura Hills ADU (Plan 1)
Agoura Hills, CA

Project Designer:
RRM Design Group
3765 South Higuera St Ste 102
San Luis Obispo, CA 93401

Report Prepared by:
Timothy Carstairs, CEA, HERS, GPR
Carstairs Energy Inc.
2238 Bayview Heights Drive, Suite E
Los Osos, CA 93402
805-904-9048



Job Number:
23-050313
Date:
5/4/2023

The EnergyPro computer program has been used to perform the calculations contained in this compliance report. This program has approval and is authorized by the California Energy Commission for use with both the Residential and Nonresidential 2022 Building Energy Standards. This program developed by EnergySoft, LLC - www.energysoft.com.

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Form MF1R Mandatory Measures Summary 16
Room Load Summary 21

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Project Name: Agoura Hills ADU (Plan 1)
Calculation Date/Time: 2023-05-03T10:06:31-07:00
Calculation Description: Title 24 Analysis
Input File Name: Agoura Hills ADU (Plan 1).ribd22x

CF1R-PRF-01E
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GENERAL INFORMATION table with columns for 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, Standards Version, Software Version, Front Orientation, Number of Dwelling Units, Number of Bedrooms, Number of Stories, Fenestration Average U-factor, Glazing Percentage.

COMPLIANCE RESULTS table with 3 rows: 01 Building Complies with Computer Performance, 02 This building incorporates features that require field testing and/or verification by a certified HERS rater under the supervision of a CEC-approved HERS provider, 03 This building incorporates one or more Special Features shown below.

Registration Number: 223-P010052527A-000-000-000000-0000
Registration Date/Time: 2023-05-09 09:49:59
HERS Provider: CaCERTS, Inc.
CA Building Energy Efficiency Standards - 2022 Residential Compliance
Report Version: 2022.0.000
Schema Version: rev 20220901
Report Generated: 2023-05-03 10:07:38

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Project Name: Agoura Hills ADU (Plan 1)
Calculation Date/Time: 2023-05-03T10:06:31-07:00
Calculation Description: Title 24 Analysis
Input File Name: Agoura Hills ADU (Plan 1).ribd22x

CF1R-PRF-01E
(Page 2 of 12)

ENERGY DESIGN RATINGS table with columns for Energy Design Ratings (Source Energy, Efficiency EDR, Total EDR) and Compliance Margins (Source Energy, Efficiency EDR, Total EDR) for Standard Design and Proposed Design across North, East, South, and West Facing orientations.

Efficiency EDR includes improvements like a better building envelope and more efficient equipment.
Total EDR includes efficiency and demand response measures such as photovoltaic (PV) system and batteries.
Building complies when source energy, efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded.

Registration Number: 223-P010052527A-000-000-000000-0000
Registration Date/Time: 2023-05-09 09:49:59
HERS Provider: CaCERTS, Inc.
CA Building Energy Efficiency Standards - 2022 Residential Compliance
Report Version: 2022.0.000
Schema Version: rev 20220901
Report Generated: 2023-05-03 10:07:38

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Project Name: Agoura Hills ADU (Plan 1)
Calculation Date/Time: 2023-05-03T10:06:31-07:00
Calculation Description: Title 24 Analysis
Input File Name: Agoura Hills ADU (Plan 1).ribd22x

CF1R-PRF-01E
(Page 3 of 12)

ENERGY USE SUMMARY table with columns for Energy Use, Standard Design Source Energy, Standard Design TDV Energy, Proposed Design Source Energy, Proposed Design TDV Energy, Compliance Margin (EDR1), and Compliance Margin (EDR2) for various energy uses like Space Heating, Space Cooling, IAQ Ventilation, Water Heating, etc.

Registration Number: 223-P010052527A-000-000-000000-0000
Registration Date/Time: 2023-05-09 09:49:59
HERS Provider: CaCERTS, Inc.
CA Building Energy Efficiency Standards - 2022 Residential Compliance
Report Version: 2022.0.000
Schema Version: rev 20220901
Report Generated: 2023-05-03 10:07:38

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Project Name: Agoura Hills ADU (Plan 1)
Calculation Date/Time: 2023-05-03T10:06:31-07:00
Calculation Description: Title 24 Analysis
Input File Name: Agoura Hills ADU (Plan 1).ribd22x

CF1R-PRF-01E
(Page 4 of 12)

ENERGY USE SUMMARY table (continued) with columns for Energy Use, Standard Design Source Energy, Standard Design TDV Energy, Proposed Design Source Energy, Proposed Design TDV Energy, Compliance Margin (EDR1), and Compliance Margin (EDR2) for various energy uses.

Registration Number: 223-P010052527A-000-000-000000-0000
Registration Date/Time: 2023-05-09 09:49:59
HERS Provider: CaCERTS, Inc.
CA Building Energy Efficiency Standards - 2022 Residential Compliance
Report Version: 2022.0.000
Schema Version: rev 20220901
Report Generated: 2023-05-03 10:07:38

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Project Name: Agoura Hills ADU (Plan 1)
Calculation Date/Time: 2023-05-03T10:06:31-07:00
Calculation Description: Title 24 Analysis
Input File Name: Agoura Hills ADU (Plan 1).ribd22x

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(Page 5 of 12)

ENERGY USE INTENSITY table with columns for Standard Design, Proposed Design, and Compliance Margin for Gross EUI and Net EUI across North, East, South, and West Facing orientations.

Notes:
1. Gross EUI is Energy Use Total (not including PV) / Total Building Area.
2. Net EUI is Energy Use Total (including PV) / Total Building Area.

Registration Number: 223-P010052527A-000-000-000000-0000
Registration Date/Time: 2023-05-09 09:49:59
HERS Provider: CaCERTS, Inc.
CA Building Energy Efficiency Standards - 2022 Residential Compliance
Report Version: 2022.0.000
Schema Version: rev 20220901
Report Generated: 2023-05-03 10:07:38

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Project Name: Agoura Hills ADU (Plan 1)
Calculation Date/Time: 2023-05-03T10:06:31-07:00
Calculation Description: Title 24 Analysis
Input File Name: Agoura Hills ADU (Plan 1).ribd22x

CF1R-PRF-01E
(Page 6 of 12)

REQUIRED PV SYSTEMS table with columns for DC System Size, Exception, Module Type, Array Type, Power Electronics, CFI, Azimuth, Tilt, Array Angle, Tilt, Inverter Eff, Annual Solar Access.
REQUIRED SPECIAL FEATURES table with bullet points for variable capacity heat pump, Northwest Energy Efficiency Alliance (NEEA) rated heat pump water heater, etc.
HERS FEATURE SUMMARY table with bullet points for indoor air quality ventilation, kitchen range hood, verified refrigerant charge, airflow in habitable rooms, etc.
BUILDING - FEATURES INFORMATION table with columns for Project Name, Conditioned Floor Area, Number of Dwelling Units, Number of Bedrooms, Number of Zones, Number of Ventilation Cooling Systems, Number of Water Heating Systems.

Registration Number: 223-P010052527A-000-000-000000-0000
Registration Date/Time: 2023-05-09 09:49:59
HERS Provider: CaCERTS, Inc.
CA Building Energy Efficiency Standards - 2022 Residential Compliance
Report Version: 2022.0.000
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Report Generated: 2023-05-03 10:07:38

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

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CF1R-PRF-01E
(Page 7 of 12)

ZONE INFORMATION table with columns for Zone Name, Zone Type, HVAC System Name, Zone Floor Area, Avg. Ceiling Height, Water Heating System, Status.
OPAQUE SURFACES table with columns for Name, Zone, Construction, Azimuth, Orientation, Gross Area, Window and Door Area, Tilt.
ATTIC table with columns for Name, Construction, Type, Roof Rise, Roof Reflectance, Roof Emittance, Radiant Barrier, Cool Roof.
FENESTRATION / GLAZING table with columns for Name, Type, Surface, Orientation, Azimuth, Width, Height, Mult., Area, U-factor, U-factor Source, SHGC, SHGC Source, Exterior Shading.

Registration Number: 223-P010052527A-000-000-000000-0000
Registration Date/Time: 2023-05-09 09:49:59
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CA Building Energy Efficiency Standards - 2022 Residential Compliance
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AGOURA HILLS | ADU
CITY OF AGOURA HILLS
TITLE 24 - PLAN 1

APPROVED SET

DATE
09/28/23
SHEET

T24-101

C:\Users\aminahz\Documents\2742-01-CU22_Agoura Hills ADU_CENTRAL_RV722_aminahz\BEGU.vvt

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD
Project Name: Agoura Hills ADU (Plan 1)
Calculation Date/Time: 2023-05-03T10:06:31-07:00
Input File Name: Agoura Hills ADU (Plan 1).rbd22x

01	02	03	04	05	06	07	08	09	10	11	12	13	14
Name	Type	Surface	Orientation	Altitude	Height (ft)	Mult.	Area (ft²)	U-factor	SHGC	SHGC Source	Exterior Shading		
104	Window	Left Wall	Left	90	1	10	0.3	NFRC	0.23	NFRC	Bug Screen		
105	Window	Rear Wall	Back	180	1	7.5	0.3	NFRC	0.23	NFRC	Bug Screen		
106	Window	Right Wall	Right	270	1	5	0.3	NFRC	0.23	NFRC	Bug Screen		
107	Window	Right Wall	Right	270	1	10	0.3	NFRC	0.23	NFRC	Bug Screen		

Registration Number: 223-P010052527A-000-000-000000-0000
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Input File Name: Agoura Hills ADU (Plan 1).rbd22x

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
Attic/Roof/Living Area	Attic Roofs	Wood Framed Ceiling	2x4 @ 24 in. O. C.	R-9	None / 0	0.644	Roofing: Light Roof (Asphalt Shingle) Roof Deck: Wood Siding/sheathing/decking Cavity / Frame: no insul. / 2x4
R-38 Roof Attic	Ceilings (below attic)	Wood Framed Ceiling	2x4 @ 24 in. O. C.	R-38	None / None	0.025	Over Ceiling Joists: R-28.9 insul. Cavity / Frame: R-9.1 / 2x4 Inside Finish: Gypsum Board

Registration Number: 223-P010052527A-000-000-000000-0000
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Calculation Date/Time: 2023-05-03T10:06:31-07:00
Input File Name: Agoura Hills ADU (Plan 1).rbd22x

01	02	03	04	05	06	07	08	09	10	11	12	13	14
Name	System Type	Heating Unit Name	Heating Equipment Count	Cooling Unit Name	Cooling Equipment Count	Fan Name	Distribution Name	Required Thermostat Type					
HVAC Sys 1-1/1	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required					

Registration Number: 223-P010052527A-000-000-000000-0000
Report Version: 2022.0.000
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CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD
Project Name: Agoura Hills ADU (Plan 1)
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Input File Name: Agoura Hills ADU (Plan 1).rbd22x

01	02	03	04	05	06	07	08	09	10
Name	Certified Low-Static VCHP System	Airflow to Habitable Rooms	Ductless Units in Conditioned Space	Wall Mount Thermostat	Air Filter Sizing & Pressure Drop Rating	Low Leakage Ducts in Conditioned Space	Minimum Airflow per RA3.3 and SC3.3.4.1	Certified non-continuous Fan	Indoor Fan not Running Continuously
Heat Pump System 1	Not required	Required	Required	Required	Not required	Not required	Not required	Not required	Not required

Registration Number: 223-P010052527A-000-000-000000-0000
Report Version: 2022.0.000
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CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD
Project Name: Agoura Hills ADU (Plan 1)
Calculation Date/Time: 2023-05-03T10:06:31-07:00
Input File Name: Agoura Hills ADU (Plan 1).rbd22x

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Timothy Carstairs
Signature Date: 2023-05-04 14:03:50
Address: 2238 Bayview Heights Drive, Suite E, Los Osos, CA 93402
Phone: 805-900-1700

Responsible Person's Declaration Summary:
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 this Certificate of Compliance.
2. I certify that the energy features and performance characteristics identified in this certificate comply with the requirements of Title 24, Part 6, of the California Code of Regulations, and that the information provided on this certificate is true and accurate to the best of my knowledge and belief, and that I am not aware of any information that would cause a reasonable person to believe that the calculations, plans and specifications submitted to the enforcement agency are incomplete or otherwise deficient.

Responsible Designer Name: Randy Russon
Company: RRM Design Group
Address: 3765 S. Higuera Street, San Luis Obispo, CA 93401
Phone: 805-900-1700

Registration Number: 223-P010052527A-000-000-000000-0000
Report Version: 2022.0.000
Schema Version: rev 20220901

RESIDENTIAL ENERGY SUMMARY

Orientation	Area (ft²)	SHGC	Overhang	Sidelines	Exterior Shades	RMS-1
Front (N)	40.0	0.300	0.23	none	none	NA
Left (E)	20.0	0.300	0.23	none	none	NA
Rear (S)	7.5	0.300	0.23	none	none	NA
Right (W)	15.0	0.300	0.23	none	none	NA

Registration Number: 223-P010052527A-000-000-000000-0000
Report Version: 2022.0.000
Schema Version: rev 20220901

2022 Single-Family Residential Mandatory Requirements Summary

§ 110.5	Pilot Lights. Continuously burning pilot lights are prohibited for natural gas, fan-type central furnaces, household cooking appliances (except appliances without an electrical supply voltage connection with pilot lights that consume less than 150 Btu per hour), and pool and spa heaters.
§ 150.0y(1)	Building Cooling and Heating Loads. Heating and/or cooling loads are calculated in accordance with the ASHRAE Handbook, Equipment Volume, Applications Volume, and Fundamentals Volume, the SMACNA Residential Comfort System Installation Standards Manual, or the HVAC Manual, using design conditions specified in § 150.0y(2).
§ 150.0y(3A)	Clearances. Air conditioner and heat pump outdoor condensing units must have a clearance of at least five feet from the outlet of any duct.
§ 150.0y(3B)	Liquid Line Insulation. Air conditioning and heat pump systems must be equipped with liquid line filter driers if required, as specified by the manufacturer's instructions.
§ 150.0y(3C)	Water Piping, Solar Water Heating System Piping, and Space Conditioning System Line Insulation. All domestic hot water piping must be insulated as specified in § 150.0y(3) of the California Plumbing Code.
§ 150.0y(3D)	Insulation Protection. Piping insulation must be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind as required by § 150.3b. Insulation exposed to weather must be protected from UV light (no adhesive tapes). Insulation covering chilled water piping and refrigerant suction piping located outside the conditioned space must include, or be protected by, a Class I or Class II vapor retarder. Floor insulation buried below grade must be installed in a waterproof and non-vaporizable opening or barrier.
§ 150.0y(4)	Gas or Propane Water Heating Systems. Systems using gas or propane water heaters to serve individual dwelling units must designate a space at least 2.5 x 2.5 x 7' suitable for the future installation of a heat pump water heater, and meet electrical and plumbing requirements, based on the distance between the designated space and the water heater location, and a condensate drain no more than 2' higher than the base of the water heater.
§ 150.0y(5)	Solar Water-Heating Systems. Solar water-heating systems and collectors must be certified and rated by the Solar Rating and Certification Corporation (SRCC), the International Association of Plumbing and Mechanical Officials, Research and Testing (IAPMO/RAT), or a testing agency that is approved by the executive director.

Registration Number: 223-P010052527A-000-000-000000-0000
Report Version: 2022.0.000
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2022 Single-Family Residential Mandatory Requirements Summary

§ 110.6a(1)	Air Leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage to 3.0 CFM per square foot or less when tested per NFRC-400, ASTM D2915, or ASTM D2915-11.
§ 110.6a(2)	Labeling. Fenestration products and exterior doors must have a label meeting the requirements of § 10-111(a).
§ 110.6b(1)	Field fabricated exterior doors and fenestration products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.6A, 110.6B, or 110.6C for exterior doors. They must be sealed and/or weatherstripped.
§ 110.6b(2)	Air Leakage. All joints, penetrations, and other openings in the building envelope that are potential sources of air leakage must be sealed, gasketed, or weatherstripped.
§ 110.6b(3)	Insulation Certification by Manufacturers. Insulation must be certified by the Department of Consumer Affairs, Bureau of Household Goods and Services (BHGS).
§ 110.6b(4)	Insulation Requirements for Heated Slab Floors. Heated slab floors must be insulated per the requirements of § 110.6b(3).
§ 110.6b(5)	Roofing Products Solar Reflectance and Thermal Emittance. The thermal emittance and aged solar reflectance values of the roofing material must meet the requirements of § 110.6b(3) and be labeled per § 10-113 when the installation of a cool roof is specified on the CFR.
§ 110.6b(6)	Radiant Barrier. When required, radiant barriers must have an emittance of 0.05 or less and be certified to the Department of Consumer Affairs.
§ 110.6b(7)	Roof Deck, Ceiling and Rafter Roof Insulation. Roof decks in newly constructed attics in climate zones 4 and 9 and 9.5 area-weighted average U-factor not exceeding 0.164. Ceiling and other roofs minimum R-22 insulation in wood frame ceilings, or area-weighted average U-factor must not exceed 0.143. Rafter roof alterations minimum R-19 or area-weighted average U-factor of 0.054 or less. Also, access doors must have permanently attached insulation using adhesive or mechanical fasteners. The attic access must be gasketed to prevent air leakage. Insulation must be installed in direct contact with a roof or ceiling which is sealed to limit infiltration and exfiltration, as specified in § 110.7, including but not limited to placing insulation either above or below roof sheathing.
§ 150.0b(1)	Loose-Fill Insulation. Loose fill insulation must meet the manufacturer's required density for the labeled R-value.
§ 150.0b(2)	Wall Insulation. Minimum R-13 insulation in 2x4 inch wood framing wall or have a U-factor of 0.102 or less, or R-20 in 2x6 inch wood framing or have a U-factor of 0.071 or less. Concrete non-bearing assemblies must have an overall assembly U-factor not exceeding 0.102. Masonry walls must meet Tables 150.1A or B.
§ 150.0b(3)	Raised-Floor Insulation. Minimum R-19 insulation in raised wood frame floor or 0.037 maximum U-factor.
§ 150.0b(4)	Slab Edge Insulation. Slab edge insulation must meet all of the following: have a water vapor permeance no greater than 2.0 perms per inch, be protected from physical damage and UV light deterioration, and, when installed as part of a heated slab floor, meet the requirements of § 110.6b(3).
§ 150.0b(5)	Vapor Retarder. In climate zones 1 through 16, the earth floor of elevated crawl space must be covered with a Class I or Class II vapor retarder. This requirement also applies to controlled ventilation crawl spaces for buildings complying with the exception to § 150.0b(3).
§ 150.0b(6)	Vapor Retarder. In climate zones 14 and 16, a Class I or Class II vapor retarder must be installed on the conditioned space side of all insulation in exterior walls, ceilings, and concealed attics with air-permeable insulation.
§ 150.0b(7)	Fenestration Products. Fenestration, including skylights, separating conditioned space from unconditioned space or outdoors must have a minimum U-factor of 0.45, or an area-weighted average U-factor of all fenestration must not exceed 0.45.
§ 150.0b(8)	Fluepipes, Decorative Gas Appliances, and Gas Lines.
§ 110.5e(1)	Pilot Light. Continuously burning pilot lights are not allowed for indoor and outdoor fluepipes.
§ 150.0e(1)	Closable Doors. Masonry or factory-built fluepipes must have a closable metal or glass door covering the entire opening of the fluepipe. Closable doors must be able to be closed, except for doors that have a combustion side or intake side or are at least six square inches in area and is equipped with a readily accessible, operable, and light-tight damper or combustion-air control device.
§ 150.0e(2)	Flue Damper. Masonry or factory-built fluepipes must have a flue damper with a readily accessible control.

Registration Number: 223-P010052527A-000-000-000000-0000
Report Version: 2022.0.000
Schema Version: rev 20220901

2022 Single-Family Residential Mandatory Requirements Summary

§ 110.5e(1)	Pilot Light. Continuously burning pilot lights are not allowed for indoor and outdoor fluepipes.
§ 150.0e(1)	Closable Doors. Masonry or factory-built fluepipes must have a closable metal or glass door covering the entire opening of the fluepipe. Closable doors must be able to be closed, except for doors that have a combustion side or intake side or are at least six square inches in area and is equipped with a readily accessible, operable, and light-tight damper or combustion-air control device.
§ 150.0e(2)	Flue Damper. Masonry or factory-built fluepipes must have a flue damper with a readily accessible control.

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AGOURA HILLS | ADU
CITY OF AGOURA HILLS
TITLE 24 - PLAN 1

APPROVED SET
DATE
09/28/23
SHEET

T24-102

NOT FOR CONSTRUCTION

2022 Single-Family Residential Mandatory Requirements Summary

- Screw based luminaires:** Screw based luminaires must contain lamps that comply with Reference Joint Appendix JAB.
- Light Sources in Enclosed or Recessed Luminaires:** Lamps and other replaceable light sources that are not compliant with the JAS elevated temperature requirements, including melting requirements, must not be installed in enclosed or recessed luminaires.
- Light Sources in Drawers, Cabinets, and Linen Closets:** Light sources internal to drawers, cabinetry or linen closets are not required to comply with Table 150.0-A or be controlled by vacancy sensors provided that they are rated to consume no more than 5 watts of power, emit no more than 150 lumens, and are equipped with controls that automatically turn the lighting off when the drawer, cabinet or linen closet is closed.
- Interior Switches and Controls:** All forward phase dimmers used with LED light sources must comply with NEMA SSL 7A.
- Interior Switches and Controls:** Exhaust fans must be controlled separately from lighting systems.
- Accessible Controls:** Lighting must have readily accessible wall-mounted controls that allow the lighting to be manually turned on and off.
- Multiple Controls:** Controls must not bypass a dimmer, occupant sensor, or vacancy sensor function. If the dimmer or sensor is installed to comply with § 150.0-A.
- Mandatory Requirements:** Lighting controls must comply with the applicable requirements of § 110.0.
- Energy Management Control Systems:** An energy management control system (EMCS) may be used to comply with dimming, occupancy, and control requirements if it provides the functionality of the specified control per § 110.0 and the physical controls specified in § 150.0(A).
- Automatic Shut-off Controls:** In bathrooms, garages, laundry rooms, utility rooms and walk-in closets, at least one installed luminaire must be controlled by an occupancy or vacancy sensor providing automatic shut-off functionality. Lighting inside drawers and cabinets with open-top doors or doors must have controls that can be left off when the drawer or door is closed.
- Dimmers:** Lighting in habitable spaces (e.g., living rooms, dining rooms, kitchens, and bedrooms) must have readily accessible wall-mounted dimming controls that allow the lighting to be manually adjusted up and down. Forward phase cut dimmers controlling LED light sources in three spaces must comply with NEMA SSL 7A.
- Independent Controls:** Integrated lighting of exhaust fans must be controlled independently from the fans. Lighting under cabinets or shelves, lighting in display cabinets, and switched outlets must be controlled separately from ceiling-installed lighting.
- Residential Outdoor Lighting:** For single-family residential buildings, outdoor lighting permanently mounted to a residential building, or to other buildings on the same lot, must have a manual on/off switch and either a photocell and motion sensor or automatic time switch control or an astronomical time clock. An energy management control system that provides the specified control functionality and meets all applicable requirements may be used to meet these requirements.
- Internally Illuminated Address Signs:** Internally illuminated address signs must either comply with § 140.0 or consume no more than 5 watts of power.
- Residential Garages for Eight or More Vehicles:** Lighting for residential parking garages for eight or more vehicles must comply with the applicable requirements for nonresidential garages in §§ 110.0, 120.0, 130.0, 130.A, 140.B, and 140.C.
- Solar Readiness:**
 - Single-Family Residences:** Single-family residences located in subdivisions with 10 or more single-family residences and where the application for a tentative subdivision map for the residences has been deemed complete and approved by the reformer agency, which do not have a photovoltaic system installed, must comply with the requirements of § 110.10(a).
 - Minimum Solar Zone Area:** The solar zone must have a minimum total area as described below. The solar zone must comply with access, pathway, smoke ventilation, and spacing requirements as specified in Title 24, Part 9 or other parts of Title 24 or in any requirements adopted by a local jurisdiction. The solar zone area must be comprised of areas that have no dimension less than 5 feet and are no less than 80 square feet each for buildings with roof areas less than or equal to 10,000 square feet or no less than 160 square feet each for buildings with roof areas greater than 10,000 square feet. For single-family residences, the solar zone must be located on the roof or overhang of the building and have a total area no less than 200 square feet.
 - Asimuth:** All sections of the solar zone located on steep-sloped roofs must have an azimuth between 90-300° of true north.
 - Shading:** The solar zone must not contain any obstructions, including but not limited to: vents, chimneys, architectural features, and roof equipment.
 - Shading:** Any obstruction located on the roof or any other part of the building that projects above a solar zone must be located at least twice the horizontal distance of the height difference between the highest point of the obstruction and the horizontal projection of the nearest point of the solar zone, measured in the vertical plane.
 - Structural Design Loads on Construction Documents:** For areas of the roof designated as a solar zone, the structural design loads for roof dead load and roof live load must be clearly indicated on the construction documents.
 - Interconnection Pathways:** The construction documents must indicate a location reserved for inverters and metering equipment and a pathway reserved for routing of conduit from the solar zone to the point of interconnection with the electrical service; and for single-family residences and central water-heating systems, a pathway reserved for routing plumbing from the solar zone to the water-heating systems.
 - Documentation:** A copy of the construction documents or a comparable document indicating the information from § 110.10(a)-(c) must be provided to the occupant.
 - Main Electrical Service Panel:** The main electrical service panel must have a minimum busbar rating of 200 amps.
 - Main Electrical Service Panel:** The main electrical service panel must have a reserved space to allow for the installation of a double pole circuit breaker for a future solar electric installation. The reserved space must be permanently marked as "For Future Solar Electric."

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2022 Single-Family Residential Mandatory Requirements Summary

- Energy Storage System (ESS) Ready:** All single-family residences must meet all of the following: Either ESS-ready interconnection equipment with backup capacity of 40 amps or more and four or more ESS supported branch circuits, or a dedicated circuitry from the main service to a subpanel that supplies the branch circuits in § 150.0(a), all need four branch circuits must be identified and have their sources collocated at a single panelboard suitable to be supplied by the ESS, with one circuit supplying the refrigerator, one lighting circuit near the primary exit, and one circuit supplying a sleeping room receptacle outlet; main panelboard must have a minimum busbar rating of 225 amps, sufficient space must be reserved to allow future installation of a system isolation equipment/transfer switch within 3' of the main panelboard, with receptacles installed between the panelboard and the switch location to allow the connection of backup power source.
- Heat Pump Space Heater Ready:** Systems using gas or propane burners to serve individual dwelling units must include: A dedicated under-slab 240V branch circuit wiring installed within 3' of the furnace with circuit conductors rated at least 20 amps with the blank cover identified as "240V ready"; and a reserved main electrical service panel space to allow for the installation of a double pole circuit breaker permanently marked as "For Future 240V use."
- Electric Cooktop Ready:** Systems using gas or propane cooktop to serve individual dwelling units must include: A dedicated under-slab 240V branch circuit wiring installed within 3' of the cooktop with circuit conductors rated at least 50 amps with the blank cover identified as "240V ready"; and a reserved main electrical service panel space to allow for the installation of a double pole circuit breaker permanently marked as "For Future 240V use."
- Electric Clothes Dryer Ready:** Clothes dryer locations with gas or propane venting to serve individual dwelling units must include: A dedicated under-slab 240V branch circuit wiring installed within 3' of the dryer location with circuit conductors rated at least 30 amps with the blank cover identified as "240V ready"; and a reserved main electrical service panel space to allow for the installation of a double pole circuit breaker permanently marked as "For Future 240V use."

*Exceptions may apply.

56/22

ROOM LOAD SUMMARY										
Project Name: Agoura Hills ADU (Plan 1)										Date: 5/4/2023
System Name: HVAC System										Floor Area: 554
ROOM LOAD SUMMARY										
Zone Name	Room Name	Mult	ROOM COOLING PEAK			COIL COOLING PEAK			COIL HTG. PEAK	
			CFM	Sensible	Latent	CFM	Sensible	Latent	CFM	Sensible
Living Area	1st Floor									
PAGE TOTAL			234	4,919	197	193	7,513			
TOTAL *			234	4,919	197	193	7,513			

* Total includes ventilation load for zonal systems

FOR USE IN THE CITY OF AGOURA HILLS

INFORMATION ONLY

NOT FOR CONSTRUCTION



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AGOURA HILLS | ADU
CITY OF AGOURA HILLS
TITLE 24 - PLAN 1

APPROVED SET

DATE
09/28/23
SHEET
T24-103

SITE PLAN TO BE PROVIDED BY APPLICANT



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SITE PLAN LEGEND

- PROPERTY LINE
- SETBACK
- - - EASEMENT
- (E) FENCE
- (E) WALLS / RETAINING WALLS

SITE PLAN GENERAL NOTES

- REFER TO GENERAL NOTES SHEET G-101 FOR ADDITIONAL REQUIREMENTS
- REFER TO STRUCTURAL PLANS FOR FURTHER INFORMATION
- EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL OPEN DIRECTLY INTO A PUBLIC WAY PER 2022 CRC, SECTION 310.1.
- NOT LESS THAN 30" OF CLEARANCE IN WIDTH, DEPTH, & HEIGHT SHALL BE PROVIDED TO ACCESS EXTERIOR MECHANICAL EQUIPMENT. SHOW LOCATION ON SITE PLAN & LABEL (2022 CMC SECTION 304.1 & 2022 CPC 504.3).

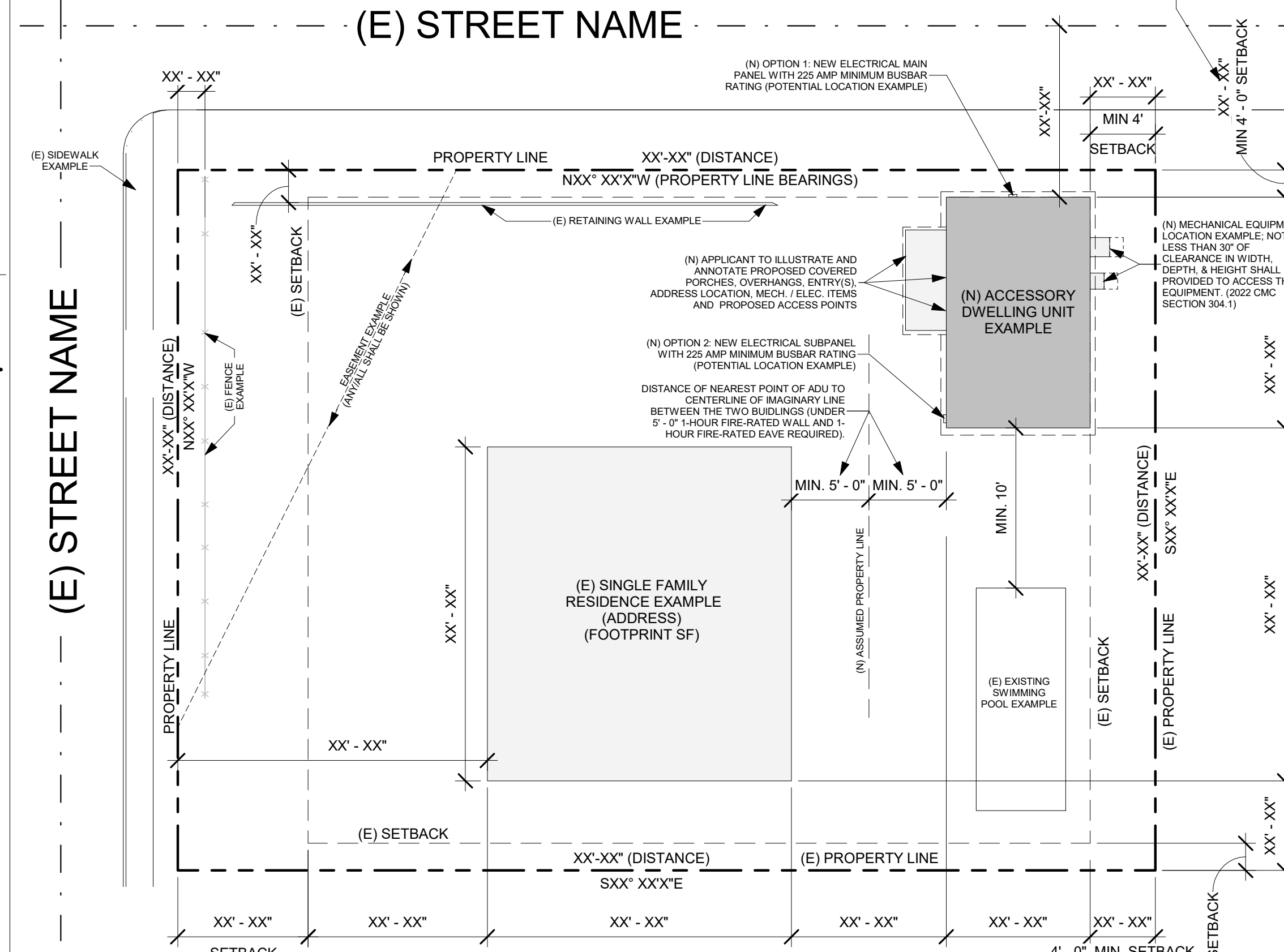
SITE PLAN CHECKLIST

IF (N) ADU IS 5' - 0" OR LESS TO ANY PROPERTY LINE AND/OR ADU IS 10' - 0" OR LESS FROM ANY ADJACENT BUILDING OR STRUCTURE:

- NO YES; IF YES, FIRE RATED WALL & ROOF REQUIRED PER 2022 CBC, CHAPTER 2. SEE DETAILS: 13/A-902 & 53/A-904 OR 33/A-906 OR 44/A-908
- ELECTRICAL PANEL:**
- OPTION 1 -** NEW ELECTRICAL MAIN PANEL WITH 225 AMP MINIMUM BUSBAR RATING
 - OPTION 2 -** A NEW ELECTRICAL SUBPANEL CONNECTS TO THE ELECTRICAL MAIN PANEL OF THE PRIMARY HOME WITH A 225 AMP MINIMUM BUSBAR RATING. A SEPARATE ELECTRICAL PERMIT SHALL BE PULLED FOR THE ELECTRICAL MAIN PANEL OF THE PRIMARY HOME. ELECTRICAL LOAD CALCULATIONS IS REQUIRED.

- FOOTPRINT OF ALL EXISTING AND PROPOSED BUILDINGS**
PLOT THE PROPOSED ADU BUILDING FOOTPRINT ALONG WITH ANY OTHER EXISTING BUILDINGS ONSITE. THIS INCLUDES ALL STRUCTURES / PORCHES / GAZEBOS. IF AN OPTIONAL COVERED PATIO IS SELECTED, PLEASE PLOT THAT AS WELL.
- AREA OF EXISTING BUILDING**
INDICATE THE SQUARE FOOTAGE OF THE EXISTING HOUSE.
- FOOTPRINT OF PROPOSED ADU**
REFER TO LEGEND FOR FOOTPRINT AT 10'=1" SCALE
- DRAWING SCALE**
SITE PLAN SHOULD BE DRAWN TO A MEASURABLE SCALE.
- PROPERTY LINES**
SHOW OUTLINE OF PROPERTY USING DASHED LINE IN LEGEND. INDICATE THE BEARING AND DISTANCE OF THE PROPERTY LINE.
- LABEL YARDS**
LABEL FRONT, REAR, SIDE YARDS, AS WELL AS DRIVEWAYS, PATIOS AND OTHER HARDSCAPE FEATURES.
- SETBACKS**
DIMENSION THE DISTANCE BETWEEN BUILDINGS TO A MEASURABLE LINE. DISTANCE BETWEEN BUILDINGS TO OTHER STRUCTURES, DRIVEWAYS, SIDEWALKS, PROPERTY LINES SHALL BE A MINIMUM OF 4'-0".
- SEMI-ENCLOSED PATIO**
IF A SEMI-ENCLOSED PATIO IS SHOWN ON THE SITE PLAN, THE PATIO FENCE SHALL COMPLY WITH EASEMENT REQUIREMENTS. IF SCE EASEMENT ON PROPERTY, PLEASE PROVIDE WRITTEN APPROVAL FOR ANY WORK LOCATED IN OR ON THE SCE EASEMENT.
- LOCATION OF WATER LEADEN**
THE RECORD DRAWING SHOULD SHOWN AWAY FROM THE PROPERTY LINES AND INTO THE REAR YARD.
- LANDSCAPE & SIDEWALKS**
IDENTIFY ALL LANDSCAPE AND SIDEWALKS.
- MECHANICAL UNIT**
IS THE MECHANICAL UNIT VISIBLE FROM THE STREET, IF SO IT MUST BE SCREENED.
- DIMENSION BUILDING SEPARATION**
DIMENSION THE DISTANCE BETWEEN THE PROPOSED ADU AND ANY EXISTING STRUCTURES
- LOT COVERAGE CALCULATION**
TOTAL FOOTPRINT AREA FOR STRUCTURES ON SITE / LOT AREA
- SWIMMING POOLS**
ALL EXISTING SWIMMING POOLS SHALL BE SHOWN ON THE SITE PLAN AND SHALL HAVE 10' MINIMUM SETBACK TO THE NEW ADU STRUCTURE.
- PORCHES**
THERE SHALL BE NO MORE THAN 30 INCHES MEASURED VERTICALLY TO THE FLOOR OR GRADE BELOW (INCLUDING FLOORS, STAIRS, RAMPS, AND LANDINGS) ANYWHERE MEASURED LESS THAN 36 INCHES HORIZONTALLY TO THE EDGE OF THE PORCH/SLAB/SURFACE OF THE RAIL. INSECT SCREENING SHALL NOT BE CONSIDERED AS A GUARD.
- LOCATION OF EXISTING UTILITIES**
UTILITIES, POLES, SEWER, DRAINS, ELECTRICAL, GAS METERS AND LINES AND ANY PHOTOVOLTAIC.
- LOCATION OF PROPOSED UTILITIES**
PROPOSED UTILITIES SHALL CONFORM TO REQUIREMENTS OF CONTRA COSTA COUNTY SANITARY DISTRICT. SANITARY SEWER FROM ADU TO EXISTING SEWER. SEWER LINE TO THE PROPOSED ADU SHALL BE CONNECTED TO THE MAIN LATERAL AT THE PROPERTY LINE OR BEHIND THE SIDEWALK. LATERAL POINT OF CONNECTION INCLUDING REQUIRED CLEANOUTS, WATER LINE TO ADU, ELECTRIC TO ADU INCLUDING ANY NEW METERS OR SUBPANELS.
- LABEL ADU AND ADDRESS LOCATION**
ADU WILL HAVE SAME ADDRESS AS THE PRIMARY RESIDENCE, AND THE LETTER SHALL BE VISIBLE FROM THE STREET.
- GROUND COVER MATERIAL**
IDENTIFY GROUND COVER MATERIALS
- OTHER SITE WORK**
IDENTIFY ALL SITE WORK INVOLVED E.G. STAIRS, LANDSCAPE, ETC.

NOTE: THIS IS AN EXAMPLE SITE PLAN. EXACT LAYOUT, DIMENSIONS, AND BEARINGS SHALL BE PROVIDED BY OWNER/APPLICANT. (E) EXISTING (N) NEW



FIRE-RESISTANT CONSTRUCTION

SELECT THE APPROPRIATE BOX BELOW (ONLY 1):
NOTE: EXTERIOR WALLS SHALL HAVE A MINIMUM FIRE SEPARATION DISTANCE OF 5'-0" FROM PROPERTY LINE.

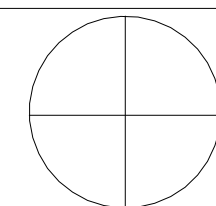
NON-SPRINKLERED	
<input type="checkbox"/> FIRE SEPARATION DISTANCE: 25'-0" (EXTERIOR WALLS, PROJECTIONS, OPENINGS, AND PENETRATIONS)	NO FIRE-RESISTANCE RATING REQUIRED
<input type="checkbox"/> FIRE SEPARATION DISTANCE: 4'-0" TO 5'-0" (EXTERIOR WALLS, OPENINGS, AND PENETRATIONS) PROJECTION SEPARATION DIST.: 23'-0"	NO FIRE-RESISTANCE RATING REQUIRED
OPENINGS, AND PENETRATIONS	NO FIRE-RESISTANCE RATING REQUIRED
EXTERIOR WALLS AND PROJECTIONS	1-HR FIRE-RESISTANCE
SPRINKLERED	
<input type="checkbox"/> FIRE SEPARATION DISTANCE: 23'-0" (EXTERIOR WALLS, OPENINGS, AND PENETRATIONS)	NO FIRE-RESISTANCE RATING REQUIRED

FOUNDATION & SITE NOTES

- NOTE:
- A SURVEY CERTIFICATION IS REQUIRED TO CONFIRM THAT THE STRUCTURE IS PLACED ON THE SITE IN ACCORDANCE WITH THE APPROVED LOCATION AND SETBACK DISTANCES PRIOR TO FOUNDATION INSPECTION.
 - A FIELD MEMO FROM A SOILS ENGINEER VERIFYING COMPETENT BEARING MATERIAL AT THE BOTTOM OF THE FOUNDATION/FOOTING IS REQUIRED PRIOR TO FOUNDATION INSPECTION.

SITE PLAN

SCALE:



NORTH ARROW

1 EXAMPLE SITE PLAN

SCALE: 1" = 20'-0"

AGOURA HILLS | ADU
CITY OF AGOURA HILLS
ARCHITECTURAL SITE PLAN

APPROVED SET

DATE
09/28/23

SHEET

AS-101



THESE PLANS ARE PROVIDED BY THE CITY OF AGOURA HILLS AS PART OF THE PRE-APPROVED ADU PROGRAM AND ARE PUBLIC DOMAIN. THERE CANNOT BE A CHARGE TO PROVIDE THESE PLANS. NO ALTERATIONS TO THESE PLANS ARE ALLOWED. ALL ALTERATIONS MUST BE DONE UNDER A SEPARATE PERMIT ONCE THE BUILDING PERMIT FOR THE ADU HAS BEEN ISSUED AND FINAL INSPECTION COMPLETED. IF YOU DO NOT HAVE THE CONSTRUCTION KNOWLEDGE AND EXPERIENCE TO CONSTRUCT THESE PLANS WITHOUT FURTHER DETAILS, IT IS RECOMMENDED YOU HIRE A CONTRACTOR TO DO THE CONSTRUCTION. THE CITY WILL NOT PROVIDE FURTHER INFORMATION OR DETAILS AND BUILDING INSPECTORS WILL NOT PROVIDE STEP BY STEP INSTRUCTIONS IN THE FIELD.

FOR USE IN THE CITY OF AGOURA HILLS
INFORMATION ONLY
NOT FOR CONSTRUCTION

AGOURA HILLS | ADU
CITY OF AGOURA HILLS

OWNER PROVIDED SITE PLAN

APPROVED SET

DATE
09/28/23
SHEET

AS-102

THESE PLANS ARE PROVIDED BY THE CITY OF AGOURA HILLS AS PART OF THE PRE-APPROVED ADU PROGRAM AND ARE PUBLIC DOMAIN. THERE CANNOT BE A CHARGE TO PROVIDE THESE PLANS. NO ALTERATIONS TO THESE PLANS ARE ALLOWED. ALL ALTERATIONS MUST BE DONE UNDER A SEPARATE PERMIT ONCE THE BUILDING PERMIT FOR THE ADU HAS BEEN ISSUED AND FINAL INSPECTION COMPLETED. IF YOU DO NOT HAVE THE CONSTRUCTION KNOWLEDGE AND EXPERIENCE TO CONSTRUCT THESE PLANS WITHOUT FURTHER DETAILS, IT IS RECOMMENDED YOU HIRE A CONTRACTOR TO DO THE CONSTRUCTION. THE CITY WILL NOT PROVIDE FURTHER INFORMATION OR DETAILS AND BUILDING INSPECTORS WILL NOT PROVIDE STEP BY STEP INSTRUCTIONS IN THE FIELD.

FLOOR PLAN GENERAL NOTES

1. REFER TO GENERAL NOTES SHEET G-101 FOR ADDITIONAL REQUIREMENTS.
2. REFER TO STRUCTURAL PLANS FOR FURTHER INFORMATION.
3. ALL FURNITURE AND EQUIPMENT IS BY OWNER AND IS SHOWN FOR COORDINATION PURPOSES ONLY.
4. DIMENSIONS ARE TO FACE OF STUD UNLESS SPECIFICALLY NOTED OTHERWISE.
5. PROVIDE ADEQUATE BLOCKING IN WALLS FOR CABINETS AND OTHER WALL MOUNTED ACCESSORIES INCLUDING BUT NOT LIMITED TO HANDRAILS, SHELVEING AND BATHROOM FIXTURES.
6. PROVIDE FIREBLOCKING FOR WALL CAVITIES THAT EXCEED 2019 CBC HEIGHT LIMITATIONS.
7. DOOR AND WINDOW DIMENSIONS ARE CENTERED AT OPENINGS.
8. WHERE DOOR IS LOCATED WITHOUT DIMENSION AT THE CORNER OF A ROOM IT SHALL BE 6" FROM FACE OF FRAMING OF ADJACENT WALL TO ROUGH DOOR OPENING.
9. WHERE RECESSED FIXTURES OCCUR IN WALLS OR HORIZONTAL ASSEMBLIES, THE FIRE RATING OF THOSE ASSEMBLIES SHALL BE MAINTAINED.
10. AT ALL PENETRATIONS AND INTERSECTIONS OF FIRE-RATED PARTITIONS, PROVIDE FIRE SEALANT AND/OR FIRE STOPPING TO MAINTAIN CONTINUITY OF PARTITION RATING.
11. A FIELD MEMO FROM A SOILS ENGINEER VERIFYING COMPETENT BEARING MATERIAL AT THE BOTTOM OF FOUNDATION/FOOTING IS REQUIRED PRIOR TO THE FOUNDATION INSPECTION.

KEYNOTES

- N05 UNDER FLOOR VENT.
- N06 UNDER FLOOR ACCESS 18" X 24" MIN. PER CRC408.4.
- U14 FOOTING, REFER TO STRUCTURAL.

FOUNDATION VENTING CALCS

NOTE:
 PER **CRC 408**, THE SPACE BETWEEN THE BOTTOM OF THE FLOOR JOISTS AND THE EARTH UNDER ANY BUILDING EXCEPT SPACES OCCUPIED BY BASEMENTS OR CELLARS SHALL BE PROVIDED WITH VENTILATION.

UNDER-FLOOR CALCULATION FORMULA
 NFA OF AIR MOVEMENT PER VENT = 62 SQ. IN / 144 IN./FT = 0.43 SF
 VENTS PROVIDED = (TOTAL UNDER-FLOOR AREA / 150) / 0.43 SF

VENT PRODUCT INFO
 VENT MANUFACTURER: VULCAN
 PRODUCT: VFS814S OR VFS814FC (DEPENDING ON EXTERIOR MATERIAL) OR APPROVED EQUAL
WWW.VULCANVENTS.COM

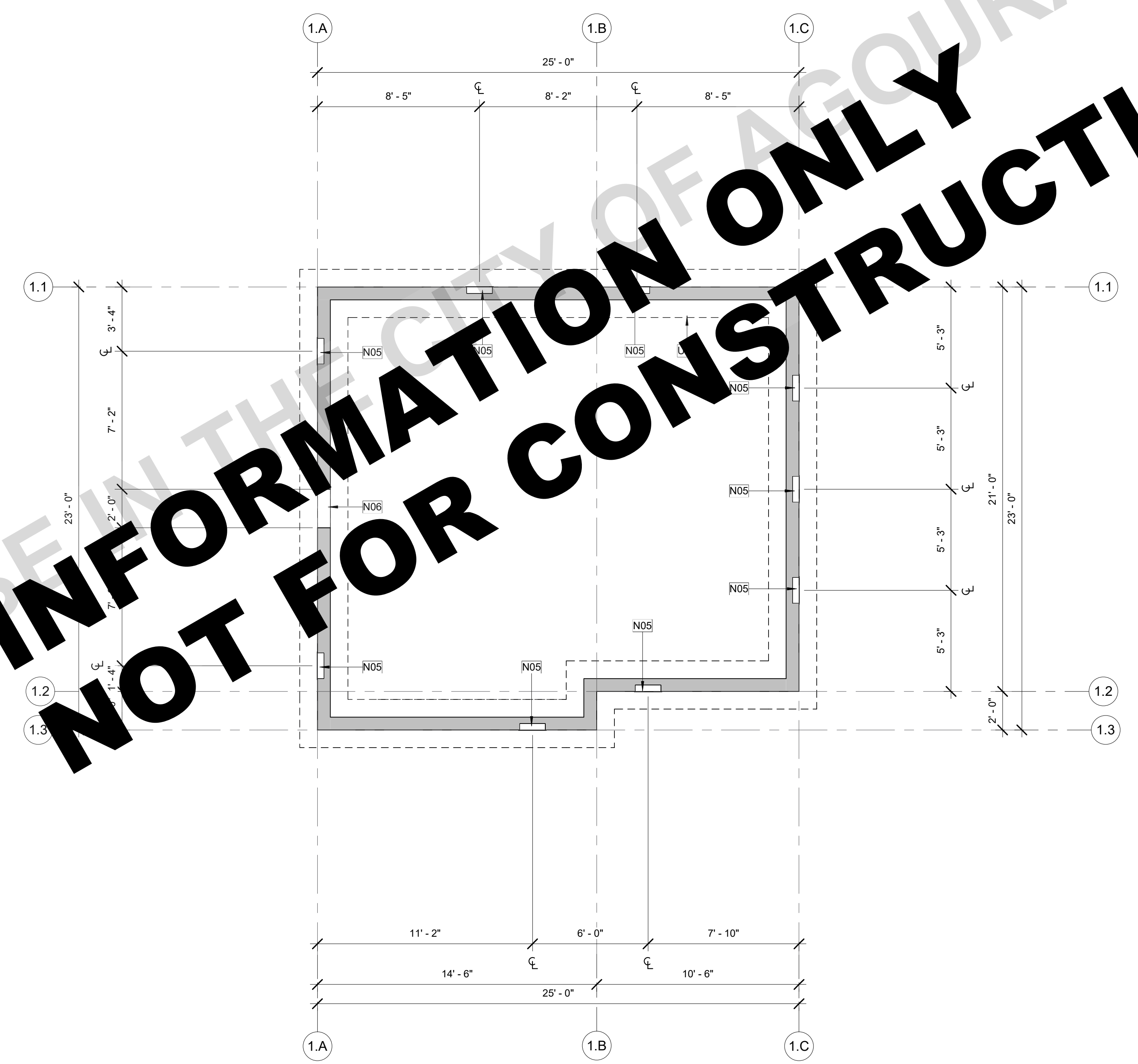
UNDER-FLOOR AREA (SF)	REQUIRED FOUNDATION VENTING @ 1/1500	FOUNDATION VENTS REQUIRED	FOUNDATION VENTS PROPOSED
554 SF	3.693333	9	9

FOUNDATION & SITE NOTES

- NOTE:**
1. A SURVEY CERTIFICATION IS REQUIRED TO CONFIRM THAT THE STRUCTURE IS PALCED ON THE SITE IN ACCORDANCE WITH THE APPROVED LOCATION AND SETBACK DISTANCES PRIOR TO FOUNDATION INSPECTION.
 2. A FIELD MEMO FROM A SOILS ENGINEER VERIFYING COMPETENT BEARING MATERIAL AT THE BOTTOM OF THE FOUNDATION/FOOTING IS REQUIRED PRIOR TO FOUNDATION INSPECTION.

FOR USE IN THE CITY OF AGOURA HILLS

INFORMATION ONLY
 NOT FOR CONSTRUCTION



1 PLAN 1 | RAISED FOUNDATION OPTION
 A1-201 | A1-001 SCALE: 1/4" = 1'-0"

APPROVED SET

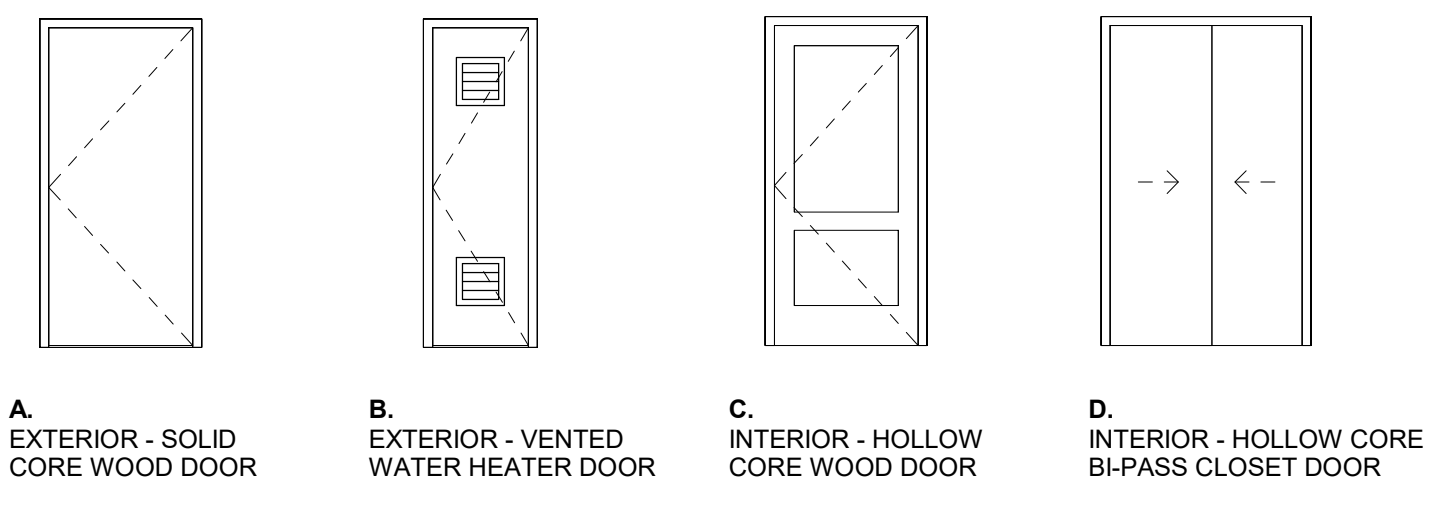
AGOURA HILLS | ADU
 CITY OF AGOURA HILLS
PLAN 1 - RAISED FOUNDATION OPTION

DATE
 09/28/23
 SHEET

A1-001

THESE PLANS ARE PROVIDED BY THE CITY OF AGOURA HILLS AS PART OF THE PRE-APPROVED ADU PROGRAM AND ARE PUBLIC DOMAIN. THERE CANNOT BE A CHARGE TO PROVIDE THESE PLANS. NO ALTERATIONS TO THESE PLANS ARE ALLOWED. ALL ALTERATIONS MUST BE DONE UNDER A SEPARATE PERMIT ONCE THE BUILDING PERMIT FOR THE ADU HAS BEEN ISSUED AND FINAL INSPECTION COMPLETED. IF YOU DO NOT HAVE THE CONSTRUCTION KNOWLEDGE AND EXPERIENCE TO CONTRACT THESE PLANS WITHOUT FURTHER DETAILS, IT IS RECOMMENDED YOU HIRE A CONTRACTOR TO DO THE CONSTRUCTION. THE CITY WILL NOT PROVIDE FURTHER INFORMATION OR DETAILS AND BUILDING INSPECTORS WILL NOT PROVIDE STEP BY STEP INSTRUCTIONS IN THE FIELD.

DOOR TYPES LEGEND



DOOR SCHEDULE

MARK	TYPE	DOOR WIDTH	DOOR HEIGHT	Heat Transfer Coefficient (U)	FIRE RATING	REMARKS
101	A	3'-0"	6'-8"	0.2000		
102	B	2'-0"	6'-8"			
103	A	3'-0"	6'-8"			
104	D	4'-0"	6'-8"			

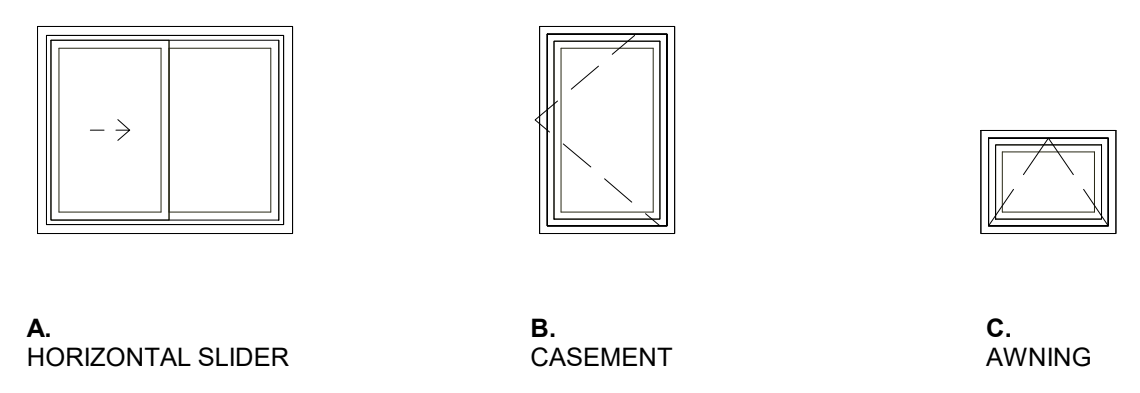
DOOR REMARKS

- EXTERIOR DOOR.
- GLAZING PER DOOR TYPES. REFER TO GENERAL DOOR NOTE #8
- PROVIDE 100 SQ INCHES OF VENTING IN DOOR OR BY OTHER APPROVED MEANS.
- OPTIONAL DOOR.

DOOR GENERAL NOTES

- REFER TO GENERAL NOTES SHEET G-101 FOR ADDITIONAL REQUIREMENTS
- REFER TO PLANS FOR LOCATION OF DOORS.
- VERIFY ROUGH OPENING SIZE WITH DOOR MANUFACTURER SPECIFICATIONS PRIOR TO CONSTRUCTION.
- CONTRACTOR TO VERIFY ACTUAL DOOR SIZE TO FIT FINISH OPENING PRIOR TO FABRICATION OF DOOR AND FINISH OPENING.
- INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS.
- REFER TO DOOR TYPES LEGEND FOR GLAZING.
- REFER TO T24 REPORT FOR GLAZING ENERGY REQUIREMENTS.
- GLAZING IN DOORS SHALL BE TEMPERED PER SECTION R308.4.1.

WINDOW TYPES LEGEND



WINDOW SCHEDULE

NO.	TYPE	SIZE		HEAD HEIGHT	Heat Transfer Coefficient (U)	Solar Heat Gain Coefficient	REMARKS
		WIDTH	HEIGHT				
101	A	5'-0"	4'-0"	6'-8"	0.3000	0.23	
102	A	5'-0"	4'-0"	6'-8"	0.3000	0.23	1
103	B	2'-6"	4'-0"	6'-8"	0.3000	0.23	
104	B	2'-6"	4'-0"	6'-8"	0.3000	0.23	
105	B	2'-6"	3'-0"	6'-8"	0.3000	0.23	
106	C	2'-6"	1'-10"	6'-8"	0.3000	0.23	2, 5
107	B	2'-6"	4'-0"	6'-8"	0.3000	0.23	

WINDOW REMARKS

- REQUIRED EGRESS WINDOW. REFER TO WINDOW GENERAL NOTE #7 FOR ADDITIONAL INFORMATION.
- HAZARDOUS LOCATION. WINDOW INCLUDES BOTH PANES TEMPERED GLAZING.
- MULLED WINDOW ASSEMBLY.
- OPTIONAL WINDOW.
- OBSCURE.
- WINDOW GLAZING SHALL COMPLY WITH R.337.8.2.1.

WINDOW GENERAL NOTES

- REFER TO GENERAL NOTES ON SHEET G-101 FOR ADDITIONAL REQUIREMENTS.
- REFER TO FLOOR PLANS FOR WINDOW LOCATIONS.
- CONTRACTOR TO VERIFY EXACT ROUGH OPENING SIZES PRIOR TO FABRICATION OF ROUGH OPENINGS.
- INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS.
- REFER TO ENERGY COMPLIANCE REPORTS FOR U-FACTOR, SHGC AND ADDITIONAL WINDOW REQUIREMENTS.
- ALL GLAZING IS DOUBLE PANE WITH A MINIMUM OF ONE TEMPERED PANE UNLESS OTHERWISE NOTED.
- EGRESS WINDOWS SHALL HAVE A CLEAR OPENING WITH A MAX. SILL HEIGHT OF 44" AFF. MIN NET CLEAR OPENING FOR EMERGENCY ESCAPE SHALL BE 5.7 S.F. EXCEPTION: MIN 5 S.F. AT GROUND FLOOR, MINIMUM NET CLEAR OPENING DIMENSIONS: HEIGHT: 24", WIDTH: 20".

FINISH LEGEND

- (CONC) - CONCRETE
- (T) - CERAMIC TILE TO BE OWNER SELECTED
- (OS) - FLOORING TO BE OWNER SELECTED

FINISH SCHEDULE PLAN 1				
ROOM NAME	FLOOR	WALL	CEILING	NOTES
KITCHEN	OS	GWB	GWB	WR GWB BEHIND KITCHEN COUNTER
LIVING	OS	GWB	GWB	
DEN	OS	GWB	GWB	
BATH / LAUNDRY	T	WR GWB	WR GWB	AT CERAMIC TILE IN TUB/SHOWER AREAS. PROVIDE BACKER BOARD PER CRC TABLE R702.4.2. BATHTUB AND SHOWER FLOORS, WALLS ABOVE BATHTUBS WITH A SHOWERHEAD, AND SHOWER COMPARTMENTS SHALL BE FINISHED WITH A NONABSORBENT SURFACE EXTENDING TO A HEIGHT OF NOT LESS THAN 6 FEET ABOVE THE FLOOR. (R307.2)
CLOSET	OS	GWB	GWB	
WH	CONC	GWB	GWB	

FLOOR PLAN GENERAL NOTES

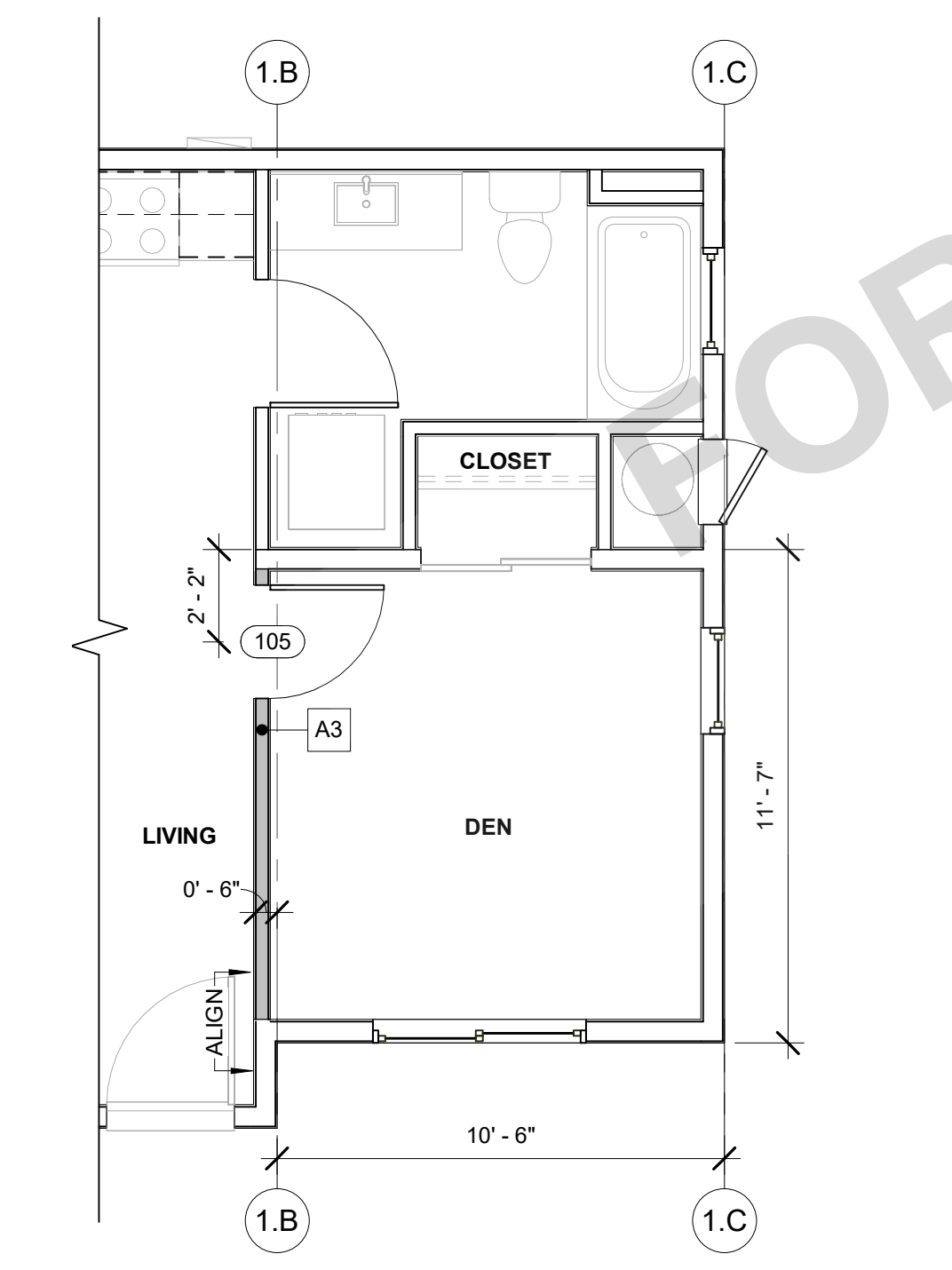
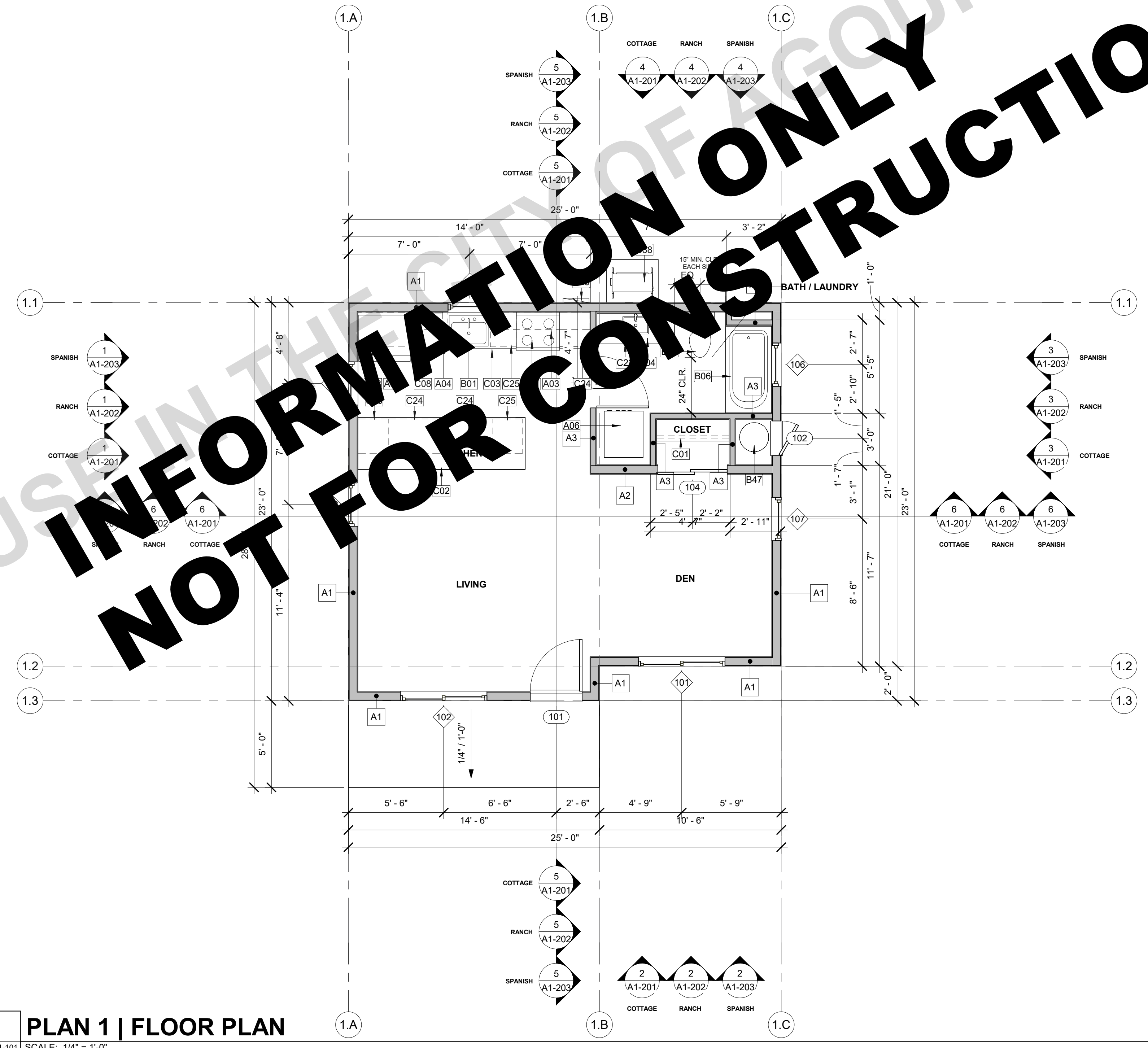
- REFER TO GENERAL NOTES SHEET G-101 FOR ADDITIONAL REQUIREMENTS.
- REFER TO STRUCTURAL PLANS FOR FURTHER INFORMATION.
- REFER TO SHEET A1-301 FOR ELECTRICAL AND MECHANICAL PLANS FOR FURTHER INFORMATION.
- ALL FURNITURE AND EQUIPMENT IS BY OWNER AND IS SHOWN FOR COORDINATION PURPOSES ONLY.
- DIMENSIONS ARE TO FACE OF SHEATHING UNLESS SPECIFICALLY NOTED OTHERWISE. IF WALL ASSEMBLY DOESN'T INCLUDE SHEATHING, DIMENSIONS ARE TO FACE OF FRAMING.
- PROVIDE ADEQUATE BLOCKING IN WALLS FOR CABINETS AND OTHER WALL MOUNTED ACCESSORIES INCLUDING BUT NOT LIMITED TO HANDRAILS, SHELVE AND BATHROOM FIXTURES.
- PROVIDE FIREBLOCKING FOR WALL CAVITIES THAT EXCEED 2022 CBC HEIGHT LIMITATIONS
- DOOR AND WINDOW DIMENSIONS ARE CENTERED AT OPENINGS
- WHERE DOOR IS LOCATED WITHOUT DIMENSION AT THE CORNER OF A ROOM IT SHALL BE 4" FROM FACE OF FRAMING OF ADJACENT WALL TO ROUGH DOOR OPENING
- OUTLETS, SWITCHES, AND DOORBELLS SHALL BE NO MORE THAN 48" ABOVE FINISH FLOOR PER R327.1.2
- AT LEAST ONE BATHROOM ON THE ENTRY LEVEL SHALL BE PROVIDED WITH REINFORCEMENT INSTALLED IN ACCORDANCE WITH R327.1.1. REFERENCE A-901 FOR DETAILS.

KEYNOTES

- A01 30" WIDE FREE STANDING ELECTRIC RANGE OVEN. VENT TO EXTERIOR, STAINLESS STEEL.
- A03 30" WIDE RANGE VENT, OWNER SELECTED. SEE MECHANICAL PLANS ON SHEET A1-301 FOR VENTING REQUIREMENTS.
- A04 24" WIDE FRONT CONTROL UNDERCOUNTER DISHWASHER. REFRIGERATOR LOCATION. PROVIDE 42" SPACE WITH ROUGH PLUMBING FOR ICE MAKER (RECESS IN WALL).
- A05 STACKED WASHER/DRYER MACHINE LOCATION. PROVIDE WASTE AND WATER IN RECESSED WALL BOX. PROVIDE DRYER VENT. VENT TO OUTSIDE AIR. SPECIFY CLOTHES DRYER MOISTURE EXHAUST DUCT MATERIAL AND LENGTH IS LIMITED TO 14' WITH TWO ELBOWS. THE DUCT LENGTH SHALL BE REDUCED BY 2' FOR EVERY ELBOW IN EXCESS OF TWO. (CMC 504.4.2)
- B01 30" SINGLE COMPARTMENT UNDER-MOUNT KITCHEN SINK W/ GARBAGE DISPOSAL. REFER TO WATER EFFICIENCY REQUIREMENTS ON CALGREEN CODE NOTES SHEET.
- B04 LAVATORY SINK. REFER TO WATER EFFICIENCY REQUIREMENTS ON CALGREEN CODE NOTES SHEETS.
- B05 WATER CLOSET. REFER TO WATER EFFICIENCY REQUIREMENTS ON CALGREEN CODE NOTES SHEETS. REFER TO 33/A-901 FOR AGING-IN-PLACE BLOCKING.
- B06 32" x 60" x 72" TUB AND SHOWER COMBINATION. MODEL BY BUILDER. PROVIDE SHOWER ROD. REFER TO 24/A-901 FOR AGING-IN-PLACE BLOCKING.
- B18 ELECTRIC PANEL TBD.
- B38 MULTI-ZONE HEAT PUMP CONDENSER UNIT. REFER TO PLANS FOR LOCATION OF INDOOR FAN FAN COIL UNITS. REFER TO TITLE 24 FOR ADDITIONAL INFORMATION. PROVIDE CONCRETE PAD MIN. 6" LARGER THAN UNIT IN EACH DIRECTION, 3" MIN. ABOVE GRADE. IF MECH UNIT IS VISIBLE FROM STREET, SCREENING WILL BE REQUIRED.
- B47 40 GALLON HEAT PUMP WATER HEATER. REFER TO TITLE 24 FOR ADDITIONAL INFORMATION.
- C01 SINGLE WOOD SHELF AND POLE.
- C02 KITCHEN ISLAND COUNTERTOP, 36" A.F.F.
- C03 KITCHEN COUNTER TOP, 36" A.F.F.
- C08 12" DEEP UPPER CABINET
- C23 21" DEEP FULL HEIGHT CABINET
- C24 24" DEEP FULL HEIGHT CABINET
- C25 24" DEEP FULL HEIGHT DRAWERS

WALL TYPE LEGEND

- A1 EXTERIOR- 5 1/2" WOOD STUD W/ PLYWOOD SHEATHING, EXTERIOR FINISH PER ELEVATION, ONE LAYER GYPSUM WALL BOARD INTERIOR. PER DETAIL. FOR COTTAGE, SEE 53/A-904. FOR RANCH, SEE 33/A-906 FOR SPANISH, SEE 44/A-908.
- A2 INTERIOR- 5 1/2" WOOD STUD W/ ONE LAYER GYPSUM WALL BOARD EACH SIDE.
- A3 INTERIOR- 3 1/2" WOOD STUD W/ ONE LAYER GYPSUM WALL BOARD EACH SIDE.
- A4 INTERIOR- 3 1/2" WOOD STUD W/ ONE LAYER GYPSUM WALL BOARD ONE SIDE. FURRING WALL.



2 PLAN 1 | OPTIONAL WALL
A1-201 | A1-101 SCALE: 1/4" = 1'-0"

1 PLAN 1 | FLOOR PLAN
A1-201 | A1-101 SCALE: 1/4" = 1'-0"

AGOURA HILLS | ADU
 CITY OF AGOURA HILLS
PLAN 1 - FLOOR PLAN AND
DOOR & WINDOW SCHEDULE

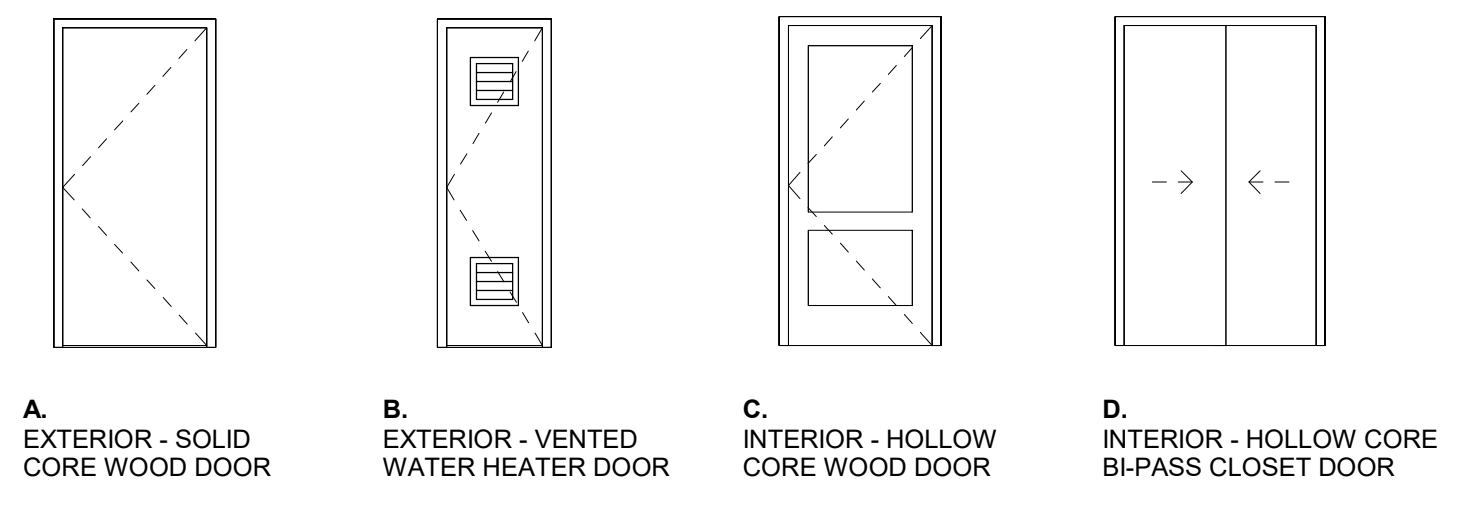
APPROVED SET

DATE
09/28/23
SHEET

A1-101

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DOOR TYPES LEGEND



DOOR SCHEDULE

MARK	TYPE	DOOR WIDTH	DOOR HEIGHT	Heat Transfer Coefficient (U)	FIRE RATING	REMARKS
101	A	3'-0"	6'-8"	0.2000		
102	B	2'-0"	6'-8"			
103	A	3'-0"	6'-8"			
104	D	4'-0"	6'-8"			

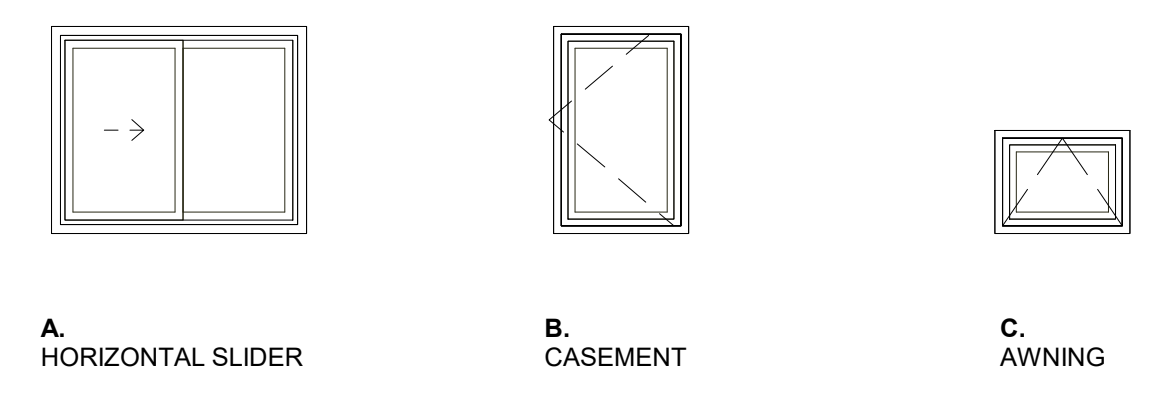
DOOR REMARKS

- EXTERIOR DOOR.
- GLAZING PER DOOR TYPES. REFER TO GENERAL DOOR NOTE #8
- PROVIDE 100 SQ INCHES OF VENTING IN DOOR OR BY OTHER APPROVED MEANS.
- OPTIONAL DOOR.

DOOR GENERAL NOTES

- REFER TO GENERAL NOTES SHEET G-101 FOR ADDITIONAL REQUIREMENTS
- REFER TO PLANS FOR LOCATION OF DOORS.
- VERIFY ROUGH OPENING SIZE WITH DOOR MANUFACTURER SPECIFICATIONS PRIOR TO CONSTRUCTION.
- CONTRACTOR TO VERIFY ACTUAL DOOR SIZE TO FIT FINISH OPENING PRIOR TO FABRICATION OF DOOR AND FINISH OPENING.
- INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS.
- REFER TO DOOR TYPES LEGEND FOR GLAZING.
- REFER TO T24 REPORT FOR GLAZING ENERGY REQUIREMENTS.
- GLAZING IN DOORS SHALL BE TEMPERED PER SECTION R308.4.1.

WINDOW TYPES LEGEND



WINDOW SCHEDULE

NO.	TYPE	SIZE WIDTH	SIZE HEIGHT	HEAD HEIGHT	Heat Transfer Coefficient (U)	Solar Heat Gain Coefficient	REMARKS
101	A	5'-0"	4'-0"	6'-8"	0.3000	0.23	
102	A	5'-0"	4'-0"	6'-8"	0.3000	0.23	
103	B	2'-6"	4'-0"	6'-8"	0.3000	0.23	
104	B	2'-6"	4'-0"	6'-8"	0.3000	0.23	
105	B	2'-6"	3'-0"	6'-8"	0.3000	0.23	
106	C	2'-6"	1'-10"	6'-8"	0.3000	0.23	2, 5
107	B	2'-6"	4'-0"	6'-8"	0.3000	0.23	

WINDOW REMARKS

- REQUIRED EGRESS WINDOW. REFER TO WINDOW GENERAL NOTE #7 FOR ADDITIONAL INFORMATION.
- HAZARDOUS LOCATION. WINDOW INCLUDES BOTH PANES TEMPERED GLAZING.
- MULLED WINDOW ASSEMBLY.
- OPTIONAL WINDOW.
- OBSCURE.
- WINDOW GLAZING SHALL COMPLY WITH R.337.8.2.1.

WINDOW GENERAL NOTES

- REFER TO GENERAL NOTES ON SHEET G-101 FOR ADDITIONAL REQUIREMENTS.
- REFER TO FLOOR PLANS FOR WINDOW LOCATIONS.
- CONTRACTOR TO VERIFY EXACT ROUGH OPENING SIZES PRIOR TO FABRICATION OF ROUGH OPENINGS.
- INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS.
- REFER TO ENERGY COMPLIANCE REPORTS FOR U-FACTOR, SHGC AND ADDITIONAL WINDOW REQUIREMENTS.
- ALL GLAZING IS DOUBLE PANE WITH A MINIMUM OF ONE TEMPERED PANE UNLESS OTHERWISE NOTED.
- EGRESS WINDOWS SHALL HAVE A CLEAR OPENING WITH A MAX. SILL HEIGHT OF 44" AFF. MIN NET CLEAR OPENING FOR EMERGENCY ESCAPE SHALL BE 5.7 S.F. EXCEPTION: MIN 5 S.F. AT GROUND FLOOR, MINIMUM NET CLEAR OPENING DIMENSIONS: HEIGHT: 24", WIDTH: 20".

FINISH LEGEND

- (CONC) - CONCRETE
- (T) - CERAMIC TILE TO BE OWNER SELECTED
- (OS) - FLOORING TO BE OWNER SELECTED

ROOM NAME	FLOOR	WALL	CEILING	NOTES
KITCHEN	OS	GWB	GWB	WR GWB BEHIND KITCHEN COUNTER
LIVING	OS	GWB	GWB	
DEN	OS	GWB	GWB	
BATH / LAUNDRY	T	WR GWB	WR GWB	AT CERAMIC TILE IN TUB/SHOWER AREAS. PROVIDE BACKER BOARD PER CRC TABLE R702.4.2. BATHTUB AND SHOWER FLOORS, WALLS ABOVE BATHTUBS WITH A SHOWERHEAD, AND SHOWER COMPARTMENTS SHALL BE FINISHED WITH A NONABSORBENT SURFACE EXTENDING TO A HEIGHT OF NOT LESS THAN 6 FEET ABOVE THE FLOOR. (R307.2)
CLOSET	OS	GWB	GWB	
WH	CONC	GWB	GWB	

FLOOR PLAN GENERAL NOTES

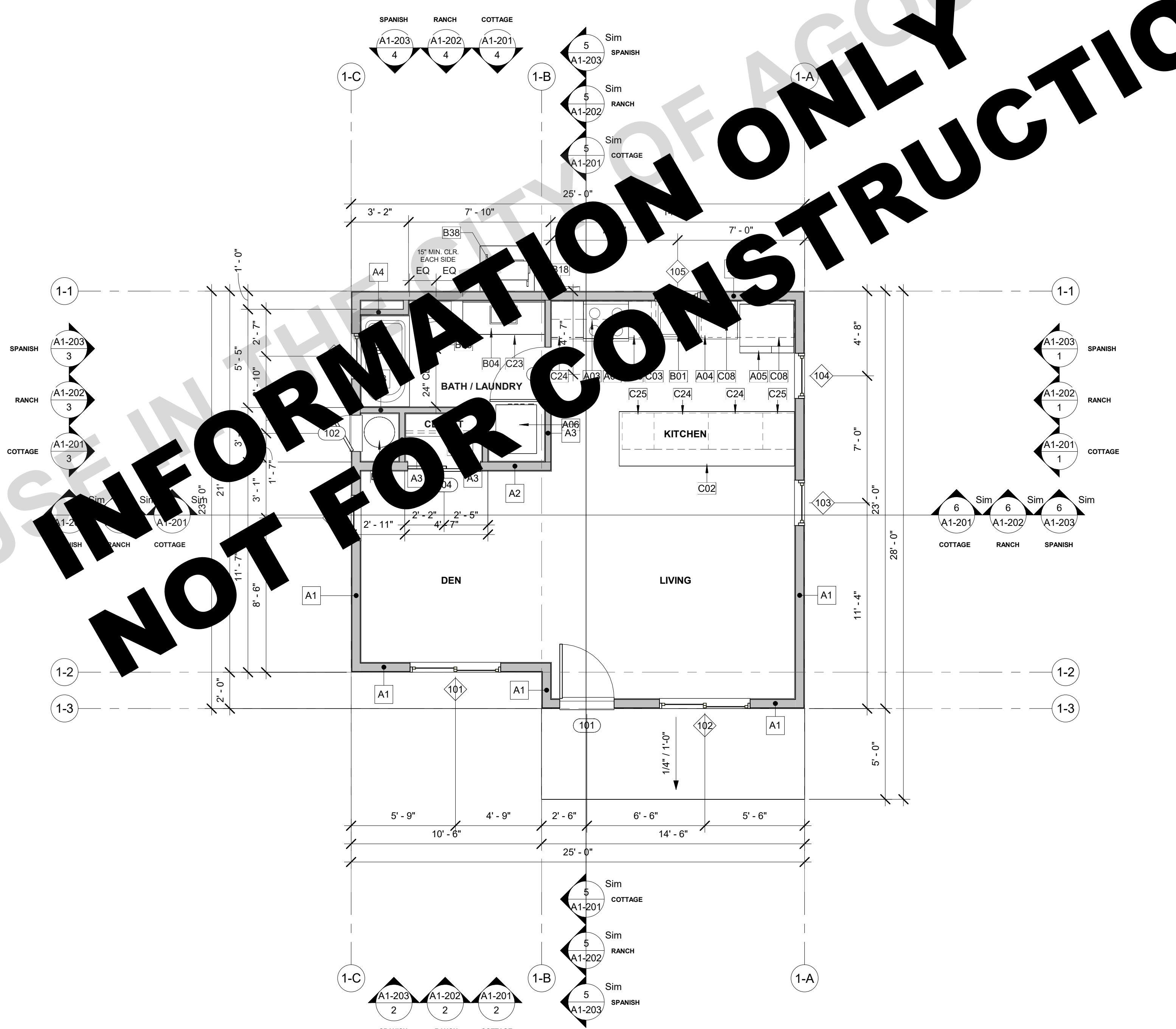
- REFER TO GENERAL NOTES SHEET G-101 FOR ADDITIONAL REQUIREMENTS.
- REFER TO STRUCTURAL PLANS FOR FURTHER INFORMATION.
- REFER TO SHEET A1-301 FOR ELECTRICAL AND MECHANICAL PLANS FOR FURTHER INFORMATION.
- ALL FURNITURE AND EQUIPMENT IS BY OWNER AND IS SHOWN FOR COORDINATION PURPOSES ONLY.
- DIMENSIONS ARE TO FACE OF SHEATHING UNLESS SPECIFICALLY NOTED OTHERWISE. IF WALL ASSEMBLY DOESN'T INCLUDE SHEATHING, DIMENSIONS ARE TO FACE OF FRAMING.
- PROVIDE ADEQUATE BLOCKING IN WALLS FOR CABINETS AND OTHER WALL MOUNTED ACCESSORIES INCLUDING BUT NOT LIMITED TO HANDRAILS, SHELVING AND BATHROOM FIXTURES.
- PROVIDE FIREBLOCKING FOR WALL CAVITIES THAT EXCEED 2022 CBC HEIGHT LIMITATIONS.
- DOOR AND WINDOW DIMENSIONS ARE CENTERED AT OPENINGS.
- WHERE DOOR IS LOCATED WITHOUT DIMENSION AT THE CORNER OF A ROOM IT SHALL BE 4" FROM FACE OF FRAMING OF ADJACENT WALL TO ROUGH DOOR OPENING.
- OUTLETS, SWITCHES, AND DOORBELLS SHALL BE NO MORE THAN 48" ABOVE FINISH FLOOR PER R327.1.2
- AT LEAST ONE BATHROOM ON THE ENTRY LEVEL SHALL BE PROVIDED WITH REINFORCEMENT INSTALLED IN ACCORDANCE WITH R327.1.1. REFERENCE A-901 FOR DETAILS.

KEYNOTES

- A01 30" WIDE FREE STANDING ELECTRIC RANGE OVEN. VENT TO EXTERIOR, STAINLESS STEEL
- A03 30" WIDE RANGE VENT, OWNER SELECTED. SEE MECHANICAL PLANS ON SHEET A1-301 FOR VENTING REQUIREMENTS.
- A04 24" WIDE FRONT CONTROL UNDERCOUNTER DISHWASHER. REFRIGERATOR LOCATION. PROVIDE 42" SPACE WITH ROUGH PLUMBING FOR ICE MAKER (RECESS IN WALL).
- A05 STACKED WASHER/DRYER MACHINE LOCATION. PROVIDE WASTE AND WATER IN RECESSED WALL BOX. PROVIDE DRYER VENT. VENT TO OUTSIDE AIR. SPECIFY CLOTHES DRYER MOISTURE EXHAUST DUCT MUST BE 4" IN DIAMETER AND LENGTH IS LIMITED TO 14' WITH TWO ELBOWS. THE DUCT LENGTH SHALL BE REDUCED BY 2' FOR EVERY ELBOW IN EXCESS OF TWO. (CMC 504.4.2)
- B01 30" SINGLE COMPARTMENT UNDER-MOUNT KITCHEN SINK W/ GARBAGE DISPOSAL. REFER TO WATER EFFICIENCY REQUIREMENTS ON CALGREEN CODE NOTES SHEET.
- B04 LAVATORY SINK. REFER TO WATER EFFICIENCY REQUIREMENTS ON CALGREEN CODE NOTES SHEETS.
- B05 WATER CLOSET. REFER TO WATER EFFICIENCY REQUIREMENTS ON CALGREEN CODE NOTES SHEETS. REFER TO 33/A-901 FOR AGING-IN-PLACE BLOCKING.
- B06 32" x 60" x 72" TUB AND SHOWER COMBINATION. MODEL BY BUILDER. PROVIDE SHOWER ROD. REFER TO 24/A-901 FOR AGING-IN-PLACE BLOCKING.
- B18 ELECTRIC PANEL TBD.
- B38 MULTI-ZONE HEAT PUMP CONDENSER UNIT. REFER TO PLANS FOR LOCATION OF INDOOR FAN FAN COIL UNITS. REFER TO TITLE 24 FOR ADDITIONAL INFORMATION. PROVIDE CONCRETE PAD MIN. 6" LARGER THAN UNIT IN EACH DIRECTION. 3" MIN. ABOVE GRADE. IF MECH UNIT IS VISIBLE FROM STREET, SCREENING WILL BE REQUIRED.
- B47 40 GALLON HEAT PUMP WATER HEATER. REFER TO TITLE 24 FOR ADDITIONAL INFORMATION.
- C01 SINGLE WOOD SHELF AND POLE.
- C02 KITCHEN ISLAND COUNTERTOP. 36" A.F.F.
- C03 KITCHEN COUNTER TOP. 36" A.F.F.
- C08 12" DEEP UPPER CABINET
- C23 21" DEEP FULL HEIGHT CABINET
- C24 24" DEEP FULL HEIGHT CABINET
- C25 24" DEEP FULL HEIGHT DRAWERS

WALL TYPE LEGEND

- A1 EXTERIOR - 5 1/2" WOOD STUD W/ PLYWOOD SHEATHING. EXTERIOR FINISH PER ELEVATION. ONE LAYER GYPSUM WALL BOARD INTERIOR PER DETAIL. FOR COTTAGE, SEE 53/A-904. FOR RANCH, SEE 33/A-906. FOR SPANISH, SEE 44/A-908.
- A2 INTERIOR - 5 1/2" WOOD STUD W/ ONE LAYER GYPSUM WALL BOARD EACH SIDE.
- A3 INTERIOR - 3 1/2" WOOD STUD W/ ONE LAYER GYPSUM WALL BOARD EACH SIDE.
- A4 INTERIOR - 3 1/2" WOOD STUD W/ ONE LAYER GYPSUM WALL BOARD ONE SIDE. FURRING WALL.



1 PLAN 1 | FLOOR PLAN - MIRROR
SCALE: 1/4" = 1'-0"

AGOURA HILLS | ADU
 CITY OF AGOURA HILLS
PLAN 1 - MIRROR - FLOOR PLAN AND DOOR & WINDOW SCHEDULE

APPROVED SET

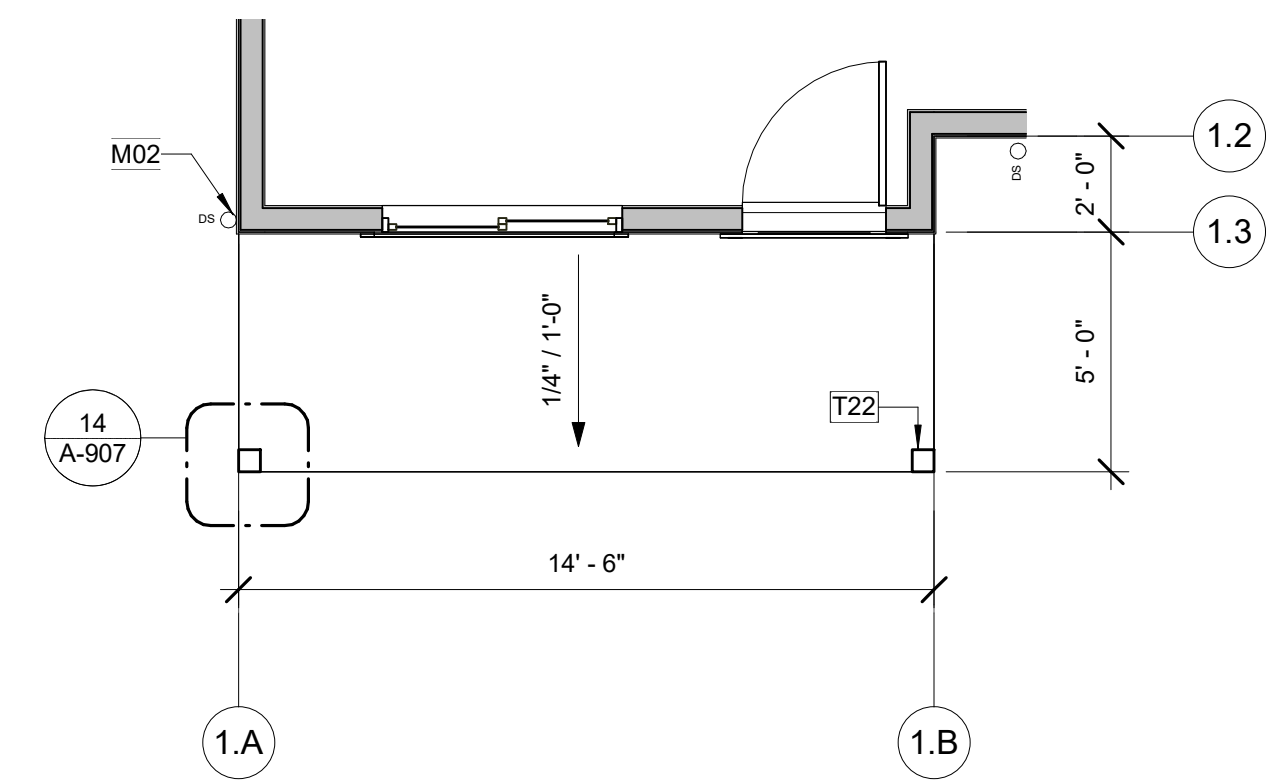
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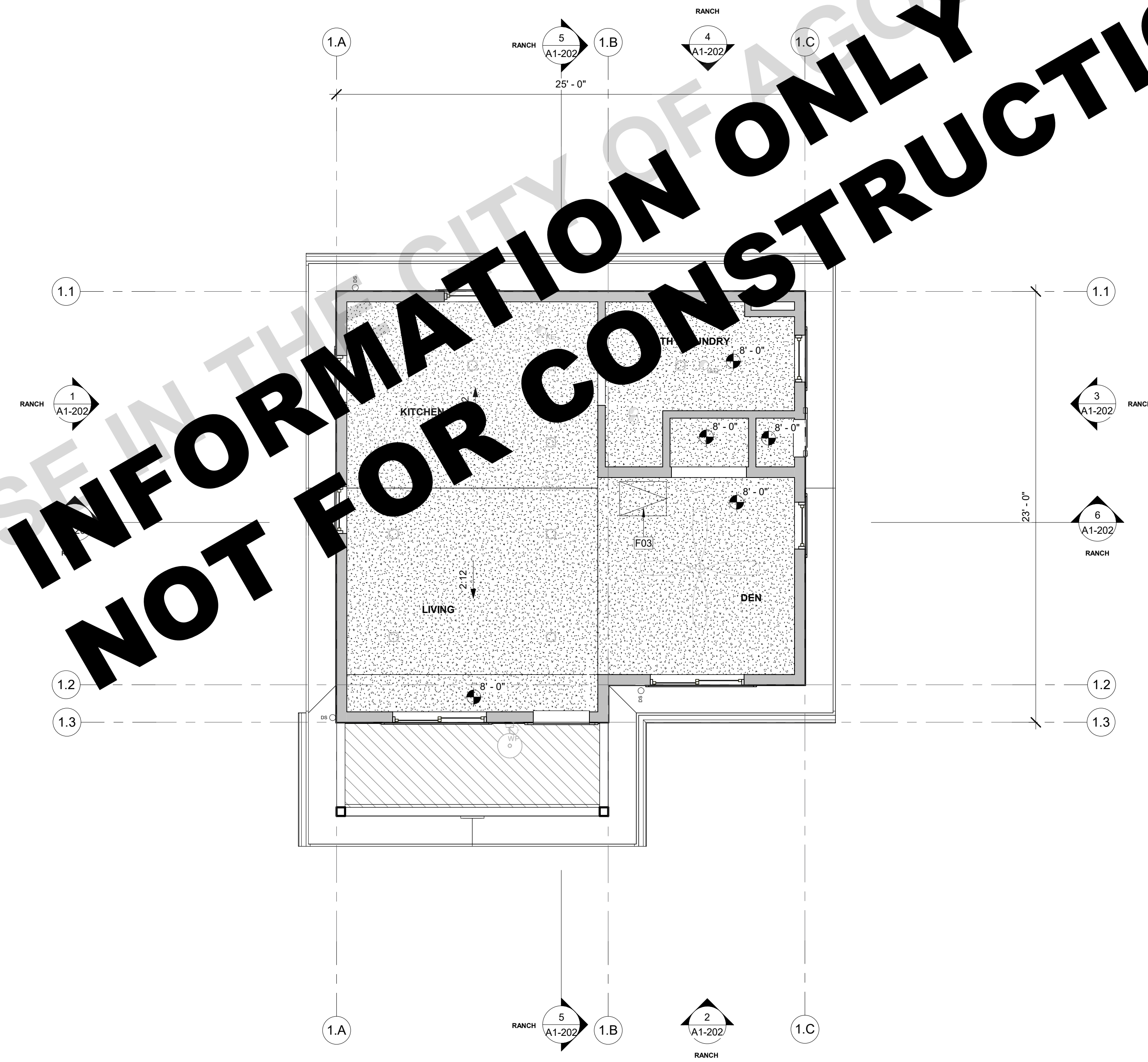
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RCP GENERAL NOTES

1. REFER TO GENERAL NOTES SHEET G-100 FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL PLANS FOR FURTHER INFORMATION.
3. REFER TO MECHANICAL PLANS FOR FURTHER INFORMATION.
4. REFER TO DETAILS FOR FLOOR/CEILING ASSEMBLIES.
5. HEIGHT OF CEILINGS SHALL BE MEASURED FROM TOP OF SLAB TO FINISH FACE OF GWB OR FACE OF CEILING GRID AS INDICATED ON THE REFLECTED CEILING PLAN, UNO.
6. CONTRACTOR TO VERIFY DEPTH OF SOFFITS AND HOLD TIGHT TO PLUMBING, SPRINKLERS, ELECTRICAL AND MECHANICAL DUCTS
7. ALL LIGHT FIXTURES ARE TO BE INSTALLED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.
8. LIGHT FIXTURES SHALL BE CENTERED WITHIN SPACES AND/OR WINDOW OPENING AND EVENLY ARRAYED. IF CONFLICTS OCCUR AT MECHANICAL REGISTERS OR ACCESS HATCHES, LIGHTING LOCATIONS SHALL TAKE PRECEDENCE.
9. ATTIC ACCESS TO BE 22" X 30" MIN, UNLESS THE VERTICAL HEADROOM HEIGHT OF THE ATTIC IS LESS THAN 30". OPENING TO BE LOCATED IN A HALLWAY, OR OTHER READILY ACCESSIBLE LOCATION.
10. WHERE MECHANICAL EQUIPMENT IS INTALLED IN THE ATTIC, THE MINIMUM ACCESS DIMENSIONS ARE 22" X 30" AND AT LEAST AS LARGE AS THE LARGEST COMPONENT OF THE APPLIANCE.
11. ACCESS MUST BE PROVIDED TO EACH SEPARATED ATTIC AREA WITH 30" HEADROOM CLEARANCE ABOVE THE OPENING.



2 PLAN 1 | PORCH FLOOR PLAN - RANCH
A1-201 | A1-112 | SCALE: 1/4" = 1'-0"



1 PLAN 1 | REFLECTED CEILING PLAN - RANCH
A1-201 | A1-112 | SCALE: 1/4" = 1'-0"

KEYNOTES

- F03 22" X 30" MINIMUM ATTIC ACCESS, PROVIDED SWITCH AND OUTLET AT ATTIC FOR FAU. PERMANENTLY ATTACH R-38 OR GREATER INSULATION TO ATTIC ACCESS DOOR USING ADHESIVE OR MECHANICAL FASTENERS CENc 150.0 (a)1. PROVIDE GASKETED ATTIC ACCESS TO PREVENT AIR LEAKAGE CENc 150.0 (a)1.
- M02 DOWNSPOUT. CONNECT TO STORM DRAIN SYSTEM
- T22 6X6 STAINED WOOD COLUMN.

LEGEND

- XX'-X" CEILING HEIGHT (SEE PLAN FOR ACTUAL HEIGHTS)
- X" / X" CEILING SLOPE (REFER TO PLANS FOR ACTUAL SLOPE)
- INTERIOR - GYPSUM BOARD CEILING
- EXTERIOR - CEMENT PLASTER SOFFIT
- CEILING ACCESS PANEL. PAINT TO MATCH CEILING.

AGOURA HILLS | ADU
CITY OF AGOURA HILLS
PLAN 1 - PORCH & REFLECTED CEILING PLAN - RANCH

APPROVED SET

DATE
09/28/23
SHEET

A1-112

FOR USE IN THE CITY OF AGOURA HILLS
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PHOTOVOLTAIC REQUIREMENTS

NO PV SYSTEM IS REQUIRED WHEN THE MINIMUM PV SYSTEM SIZE SPECIFIED BY SECTION 2022 CALIFORNIA ENERGY CODE 150.1 (C) 14 IS LESS THAN 1.8 KWDC. DETERMINED BY CLIMATE ZONE AND THE EQUATION BELOW.
 $KWPV = (CFA \times A) / 1000 \times (NDU \times B)$

WHERE:
 KWPV = KWDC SIZE OF THE PV SYSTEM
 CFA = CONDITIONED FLOOR AREA
 NDU = NUMBER OF DWELLING UNITS
 A = CFA ADJUSTMENT FACTOR FROM TABLE 150.1-C
 B = DWELLING UNIT ADJUSTMENT FACTOR FROM TABLE 150.1-C

FOR AGOURA HILLS (CLIMATE ZONE 9):
 NDU = 1
 A = 0.613
 B = 1.38
KWPV < 1.82 WHEN CFA IS < 750SF

THUS, IF THE ADU IS LESS THAN 750SF IN AGOURA HILLS IT DOESNT REQUIRE A PHOTOVOLTAIC SYSTEM.

ROOF PLAN GENERAL NOTES

- REFER TO GENERAL NOTES SHEET G-101 FOR ADDITIONAL REQUIREMENTS
- REFER TO STRUCTURAL PLANS FOR ROOF FRAMING INFORMATION INCLUDING MEMBER SIZES AND CONNECTION HARDWARE.
- REFER TO MECHANICAL PLANS FOR ROOF MOUNTED EQUIPMENT LOCATIONS AND TYPES.
- REFER TO ELECTRICAL PLANS FOR POWER DISTRIBUTION TO ROOF MOUNTED EQUIPMENT.
- REFER TO SITE/GRADING PLAN FOR DOWNSPOUT DISCHARGE OR CONTINUATION.
- PROVIDE A MINIMUM OF 1 INCH OF AIRSPACE BETWEEN THE INSULATION AND ROOF SHEATHING.
- WHERE THE ROOF PROFILE ALLOWS A SPACE BETWEEN THE ROOF COVERING AND DECKING, THE SPACES SHALL BE CONSTRUCTED TO PREVENT THE INTRUSION OF FLAMES AND EMBERS, BE FIRESTOPPED WITH APPROVED MATERIALS OR HAVE ONE LAYER OF MINIMUM 72 POUND MINERAL-SURFACED NONPERFORATED CAP SHEET OVER THE COMBUSTIBLE DECKING.
- ALL ROOFING MATERIALS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
- OVERHANG DIMENSIONS ARE FROM FACE OF EXTERIOR WALL FRAMING TO ROOF EDGE.
- ROOF COVERINGS AND UNDERLAYMENT SHALL BE APPLIED IN ACCORDANCE WITH (2022 CBC 1507.1), AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- WHERE PROVIDED, VENTILATION OPENINGS SHALL BE IN ACCORDANCE WITH (2022 CBC SECTION 1202) EXTERIOR OPENINGS INTO THE ATTIC SPACE SHALL BE COVERED WITH CORROSION-RESISTANT WIRE CLOTH SCREENING, HARDWARE CLOTH, PERFORATED VINYL OR SIMILAR MATERIAL. THE OPENINGS SHALL BE A MINIMUM OF 1/16" AND SHALL NOT EXCEED 1/4" PER (2022 CBC 1202.2.2)
- ROOF VENTS SHALL BE APPLIED PER MANUFACTURER'S SPECIFICATIONS
- FURNISHED DIMENSIONS FOR VENTS ARE GUIDES ONLY. INSTALL PER MANUFACTURER'S SPECIFICATIONS AND ADJUST TO ACCOMMODATE TRUSS LOCATIONS, PLUMBING VENTS, AND SOLAR COLLECTORS.
- CLASS A FIRE-RETARDANT COOL ROOF LABELED AND CERTIFIED BY THE CRRC. (1505.1 & TABLE 1505.1, R302.1)

KEYNOTES

- BUILDING LINE BELOW.
- ATTIC VENT (LOW). PAINT FINISH TO MATCH ROOF COLOR. SEE VENTING CALCS.
- H19 DORMER VENT (HIGH). ATTIC VENTING OPTION 2. PAINT FINISH TO MATCH ROOF COLOR. SEE VENTING CALCS.
- M01 GUTTER. CONNECT TO DOWNSPOUT. PROVIDE MEANS TO PREVENT ACCUMULATION OF LEAVES AND DEBRIS IN GUTTER PER CRC R337.5.4

ROOF VENTING CALCULATIONS

UPPER & LOWER VENTS:
 O'HAGIN HIGH PROFILE FIRE & ICE CLAY TILE
 FINISH TO MATCH ROOF
 97.5 SQ.IN OF AIR MOVEMENT PER VENT = 97.5 SQ.IN. / 144 = 0.67 SF
"UPPER VENTS PROVIDED" = (TOTAL ATTIC AREA/300) * (0.5) / (0.5 SF)
"LOWER VENTS PROVIDED" = (TOTAL ATTIC AREA/300) * (0.5) / (0.5 SF)

- NOTE: ROOF VENTING SHALL COMPLY WITH CRC SECTION R806.**
- A) ENCLOSED ATTICS AND ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS SHALL HAVE CROSS VENTILATION FOR EACH SEPARATE SPACE BY VENTILATING OPENINGS PROTECTED AGAINST THE ENTRANCE OF RAIN OR SNOW. VENTILATION OPENINGS SHALL HAVE A LEAST DIMENSION OF 1/16 INCH MINIMUM AND 1/4 INCH MAXIMUM. OPENINGS IN ROOF FRAMING MEMBERS SHALL CONFORM TO THE REQUIREMENTS OF SECTION R802.7. REQUIRED VENTILATION OPENINGS SHALL OPEN DIRECTLY TO THE OUTSIDE AIR AND SHALL BE PROTECTED TO PREVENT THE ENTRY OF BIRDS, RODENTS, SNAKES AND OTHER SIMILAR CREATURES.
 - B) THE MINIMUM NET FREE VENTILATING AREA SHALL COMPLY WITH CRC R806.2.
 - C) PER CRC R902.1.3 ROOFING REQUIREMENTS FOR STRUCTURES LOCATED IN A CITY OF AGOURA HILLS SHALL COMPLY WITH SECTION R337.5.
 - D) THE O'HAGIN FIRE&ICE ROOF VENT IS A CERTIFIED PRODUCT OF THE CAL-FIRE STATE FIRE MARSHAL LISTED WILDLAND URBAN INTERFACE (WUI) PRODUCT HANDBOOK.

ATTIC	AREA	REQUIRED ATTIC VENTING (NFA)	UPPER VENTING REQUIRED (NFA)	LOWER VENTING REQUIRED (NFA)
ATTIC 1	618 SF	2.06 SF	1.03 SF	1.03 SF

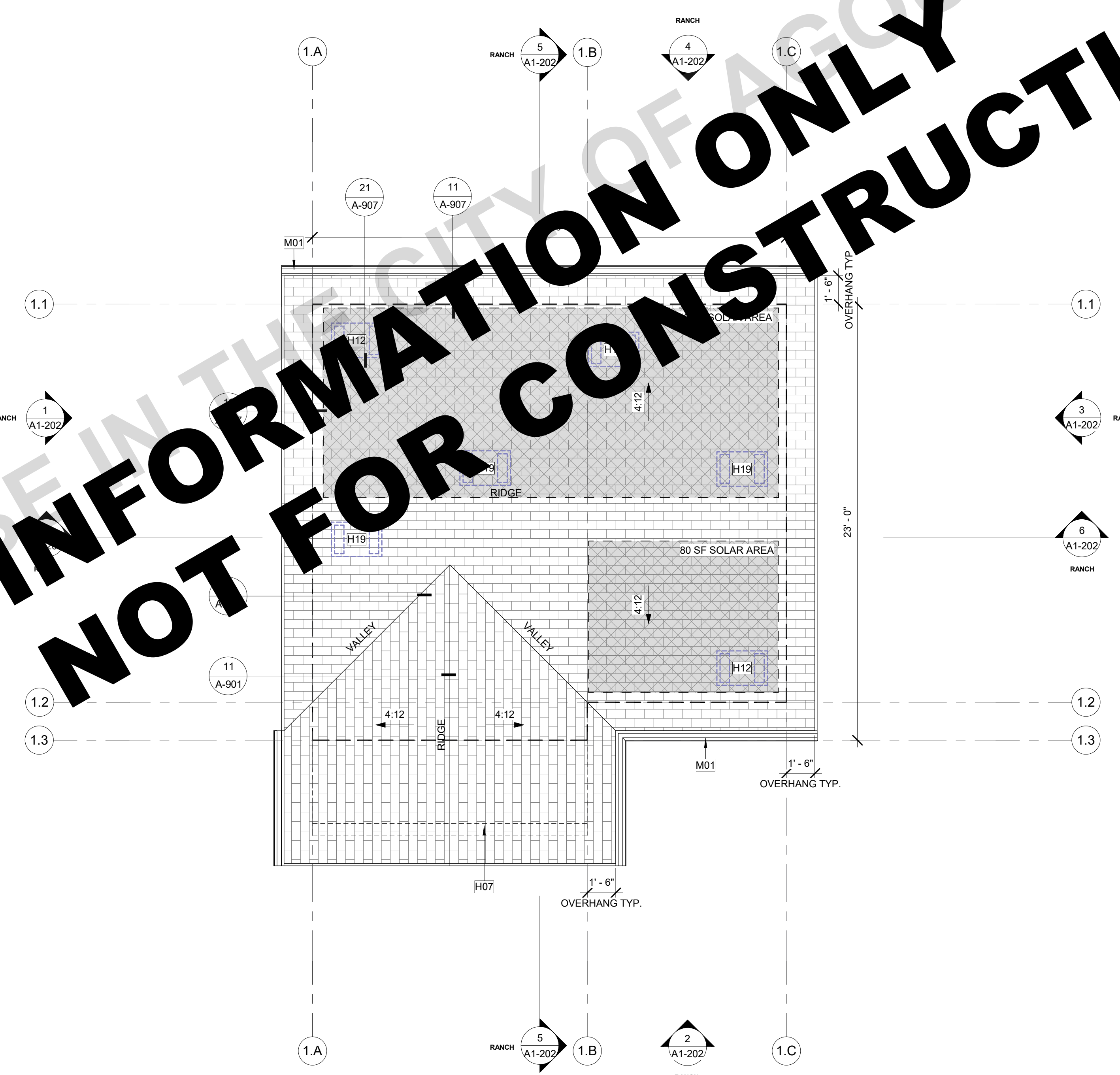
VENT TYPE	COUNT	VENT LENGTH	NET FREE AREA PER VENT	PROVIDED NET FREE AREA
LOWER O'HAGIN SHINGLE ROOF VENT (LOWER)	3	2' - 8"	0.50 SF	1.50 SF
UPPER O'HAGIN SHINGLE ROOF VENT (UPPER)	3	2' - 8"	0.50 SF	1.50 SF

LEGEND

- 2" / 12" ROOF SLOPE (REFER TO PLANS FOR ACTUAL SLOPE)
- O'HAGIN ATTIC VENT, PAINT TO MATCH ROOF COLOR.
- WALL BELOW
- GUTTER, CONNECT TO DOWNSPOUT
- DOWNSPOUT, TO ROOF OR SPLASHBLOCK BELOW U.N.O.
- POTENTIAL SOLAR ZONE. REFER TO SOLAR READY NOTES ON SHEET G-101. SOLAR PANEL CAN BE PLACED IN THESE AREAS.
 NOTE: PER CEC SECTION 110.10 (b) THE SOLAR ZONE TOTAL AREA SHALL BE COMPRISED OF AREAS THAT HAVE NO DIMENSION LESS THAN FIVE FEET AND ARE NO LESS THAN 80 SQUARE FEET EACH FOR BUILDINGS WITH ROOF AREAS LESS THAN OR EQUAL TO 10,000.

1 PLAN 1 | ROOF PLAN - RANCH
 SCALE: 1/4" = 1'-0"

FOR USE IN THE CITY OF AGOURA HILLS
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AGOURA HILLS | ADU
 CITY OF AGOURA HILLS
PLAN 1 - ROOF PLAN - RANCH

APPROVED SET

DATE
09/28/23
SHEET

A1-122

THESE PLANS ARE PROVIDED BY THE CITY OF AGOURA HILLS AS PART OF THE PRE-APPROVED ADU PROGRAM AND ARE PUBLIC DOMAIN. THERE CANNOT BE A CHARGE TO PROVIDE THESE PLANS. NO ALTERATIONS TO THESE PLANS ARE ALLOWED. ALL ALTERATIONS MUST BE DONE UNDER A SEPARATE PERMIT ONCE THE BUILDING PERMIT FOR THE ADU HAS BEEN ISSUED AND FINAL INSPECTION COMPLETED. IF YOU DO NOT HAVE THE CONSTRUCTION KNOWLEDGE AND EXPERIENCE TO CONTRACT THESE PLANS WITHOUT FURTHER DETAILS, IT IS RECOMMENDED YOU HIRE A CONTRACTOR TO DO THE CONSTRUCTION. THE CITY WILL NOT PROVIDE FURTHER INFORMATION OR DETAILS AND BUILDING INSPECTORS WILL NOT PROVIDE STEP BY STEP INSTRUCTIONS IN THE FIELD.

ELEVATION GENERAL NOTES

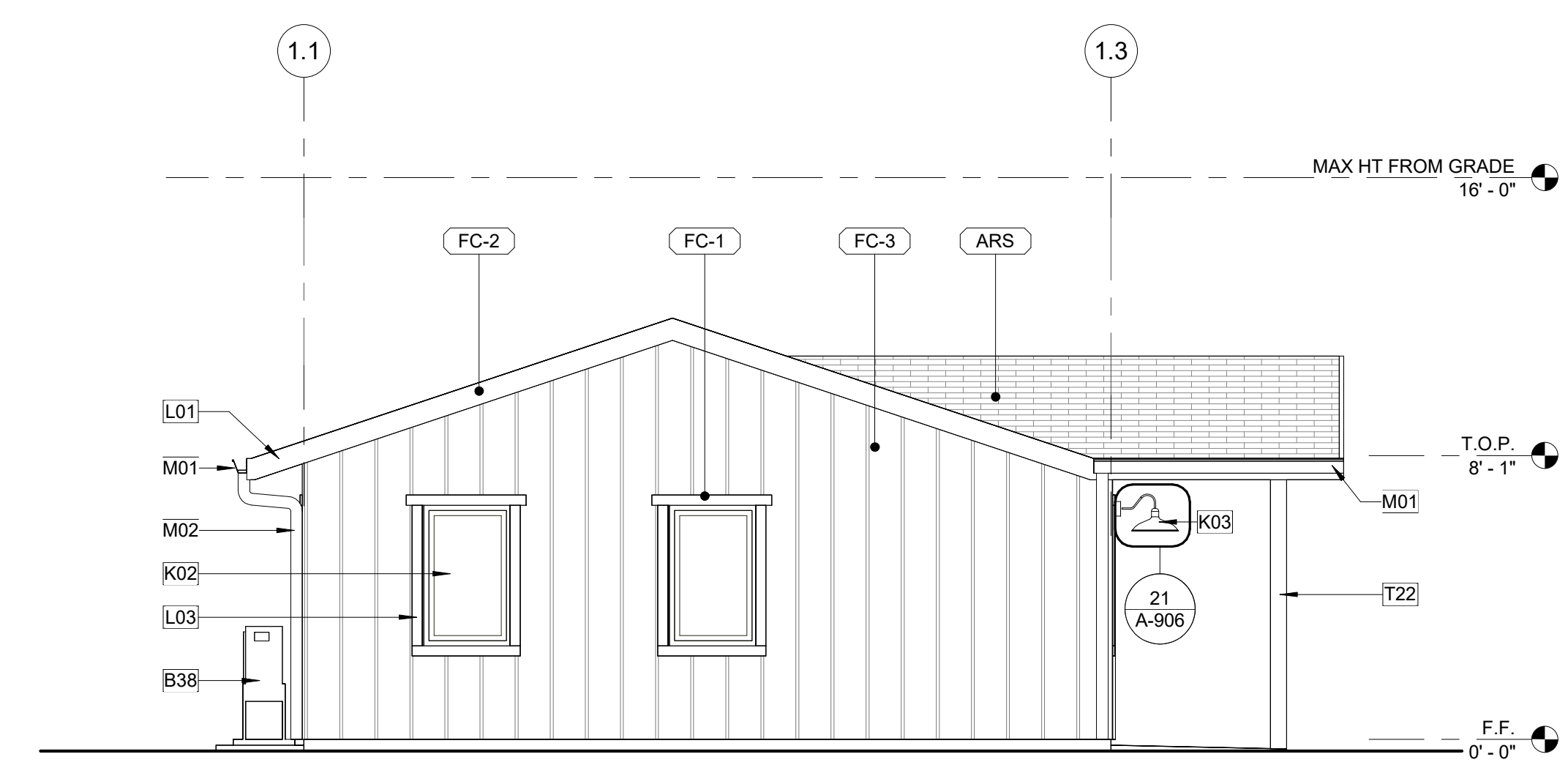
1. REFER TO GENERAL NOTES SHEET G-101 FOR ADDITIONAL REQUIREMENTS.
2. FRAMING ELEVATIONS, INCLUDING FLOOR PLATES AND FLOOR LEVEL ELEVATIONS ARE MEASURED FROM BUILDING FINISH FLOOR, U.N.O.
3. SEE DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
4. REFER TO ROOF PLAN FOR ROOF PITCH AND OVERHANGS. FASCIA PER DETAILS.
5. SEE ROOF PLAN FOR APPROXIMATE DOWNSPOUT LOCATIONS, U.N.O.
6. REFER TO DOOR AND WINDOW SCHEDULES AND TYPES FOR DOOR AND WINDOW INFORMATION.
7. SEE ELECTRICAL DRAWINGS FOR EXTERIOR LIGHTING.
8. SEE MECHANICAL DRAWINGS FOR GRILLES AND LOUVERS. PAINT TO MATCH ADJACENT FINISH.
9. CONTRACTOR TO VERIFY COLOR SCHEME WITH OWNER BEFORE PERFORMING THE WORK.

KEYNOTES

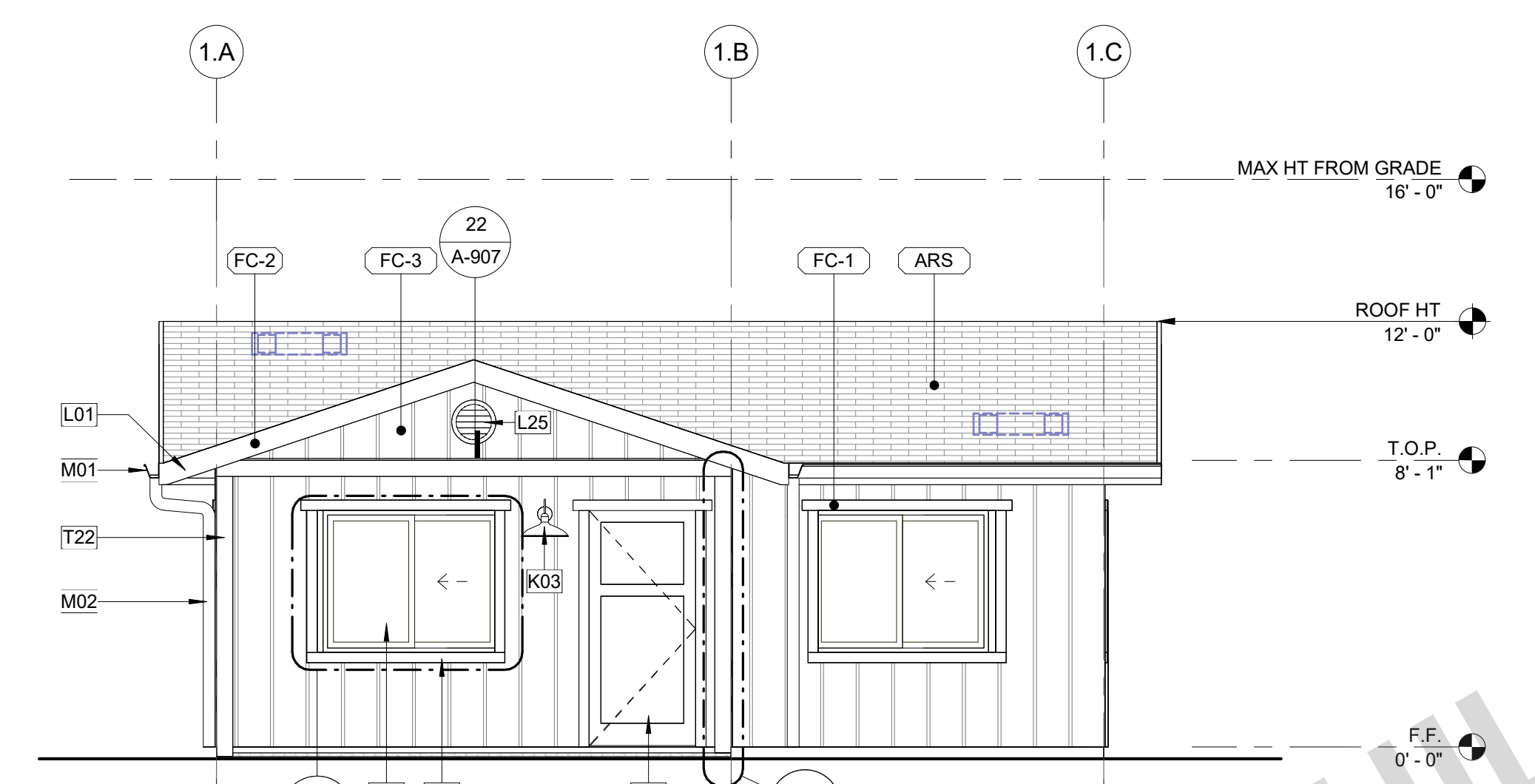
- B38 MULTI-ZONE HEAT PUMP CONDENSER UNIT. REFER TO PLANS FOR LOCATION OF INDOOR FAN COIL UNITS. REFER TO TITLE 24 FOR ADDITIONAL INFORMATION. PROVIDE CONCRETE PAD MIN. 6" LARGER THAN UNIT IN EACH DIRECTION, 3" MIN. ABOVE GRADE. IF MECH UNIT IS VISIBLE FROM STREET, SCREEDING WILL BE REQUIRED.
- DOOR PER PLAN
- WINDOW PER PLAN
- K03 EXTERIOR WALL SCOFF
- L01 1X8 FASCIA, PAINTED.
- L03 RANCH - FIBER CEMENT WINDOW TRIM.
- L25 FAUX CIRCULAR VENT. SEE DETAIL 22/A-907
- M01 GUTTER. CONNECT TO DOWNSPOUT. PROVIDE MEANS TO PREVENT ACCUMULATION OF LEAVES AND DEBRIS IN GUTTER PER CRC R337.5.4
- M02 DOWNSPOUT. CONNECT TO STORM DRAIN SYSTEM
- S01 CEILING INSULATION. REFER TO TITLE 24 (R-38 MIN.)
- S04 2X8 WALL INSULATION. REFER TO TITLE 24 (R-21 MIN.)
- T22 6X6 STAINED WOOD COLUMN.
- U06 CONCRETE SLAB FOUNDATION PER STRUCTURAL. 10 MIL VAPOR BARRIER. REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION. VAPOR BARRIER TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

LEGEND - RANCH

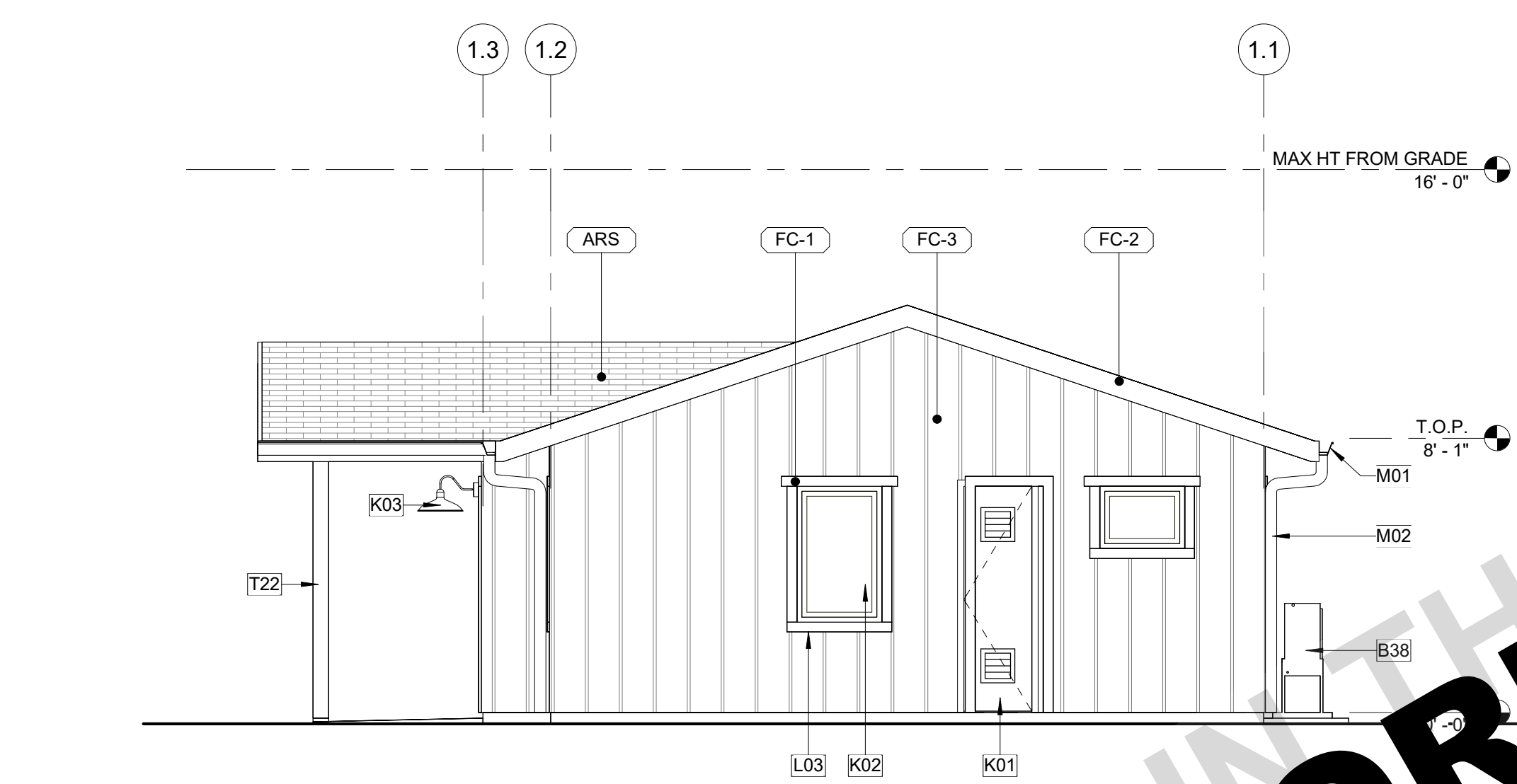
- ARS ASPHALT ROOFING SHINGLES - CLASS A ASPHALT COMPOSITE ROOF SHINGLES. ESR-1475 OR EQUAL. COLOR TO BE OWNER SELECTED.
- FC-1 FIBER CEMENT - 1 1/2" DOOR & WINDOW TRIM, PAINTED FINISH, PAINT TO BE OWNER SELECTED.
- FC-2 FIBER CEMENT - 2X8 FASCIA, PAINTED FINISH, PAINT TO BE OWNER SELECTED.
- FC-3 FIBER CEMENT - BOARD AND BATTEN SIDING. ESR-1844 OR EQUAL. COLOR TO BE OWNER SELECTED.



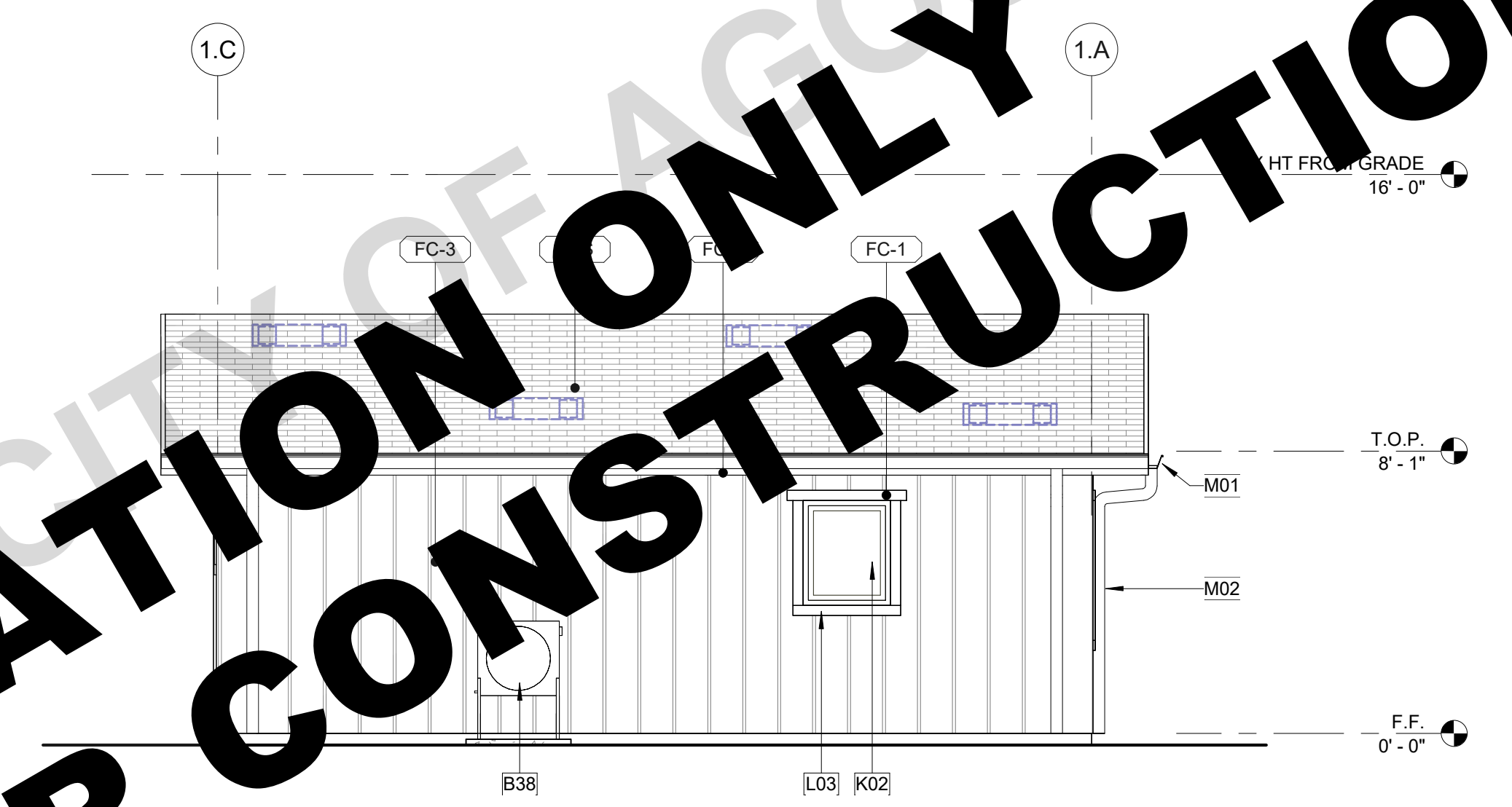
1 PLAN 1 | LEFT ELEVATION - RANCH
A1-101 | A1-202 SCALE: 1/4" = 1'-0"



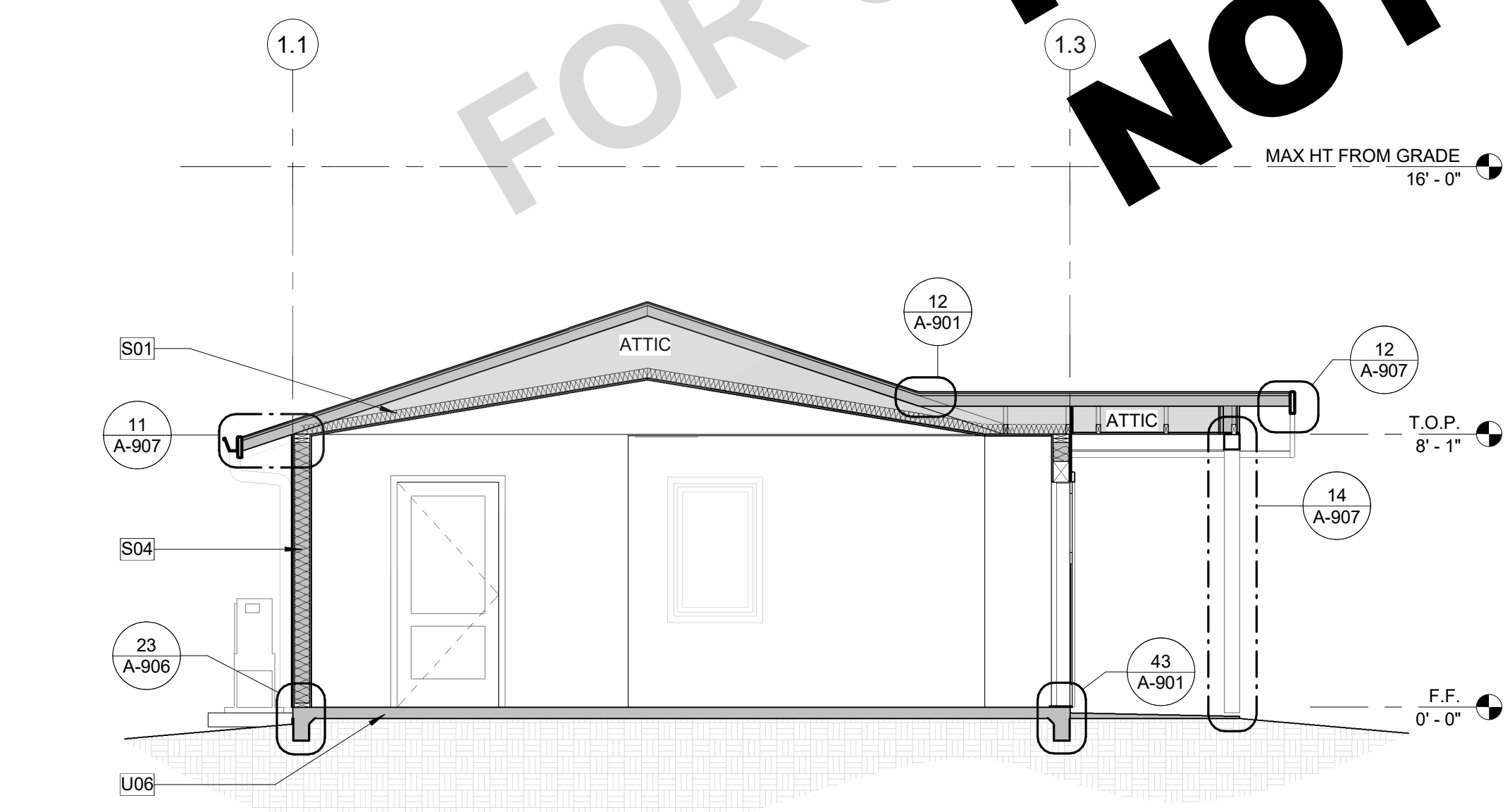
2 PLAN 1 | FRONT ELEVATION - RANCH
A1-101 | A1-202 SCALE: 1/4" = 1'-0"



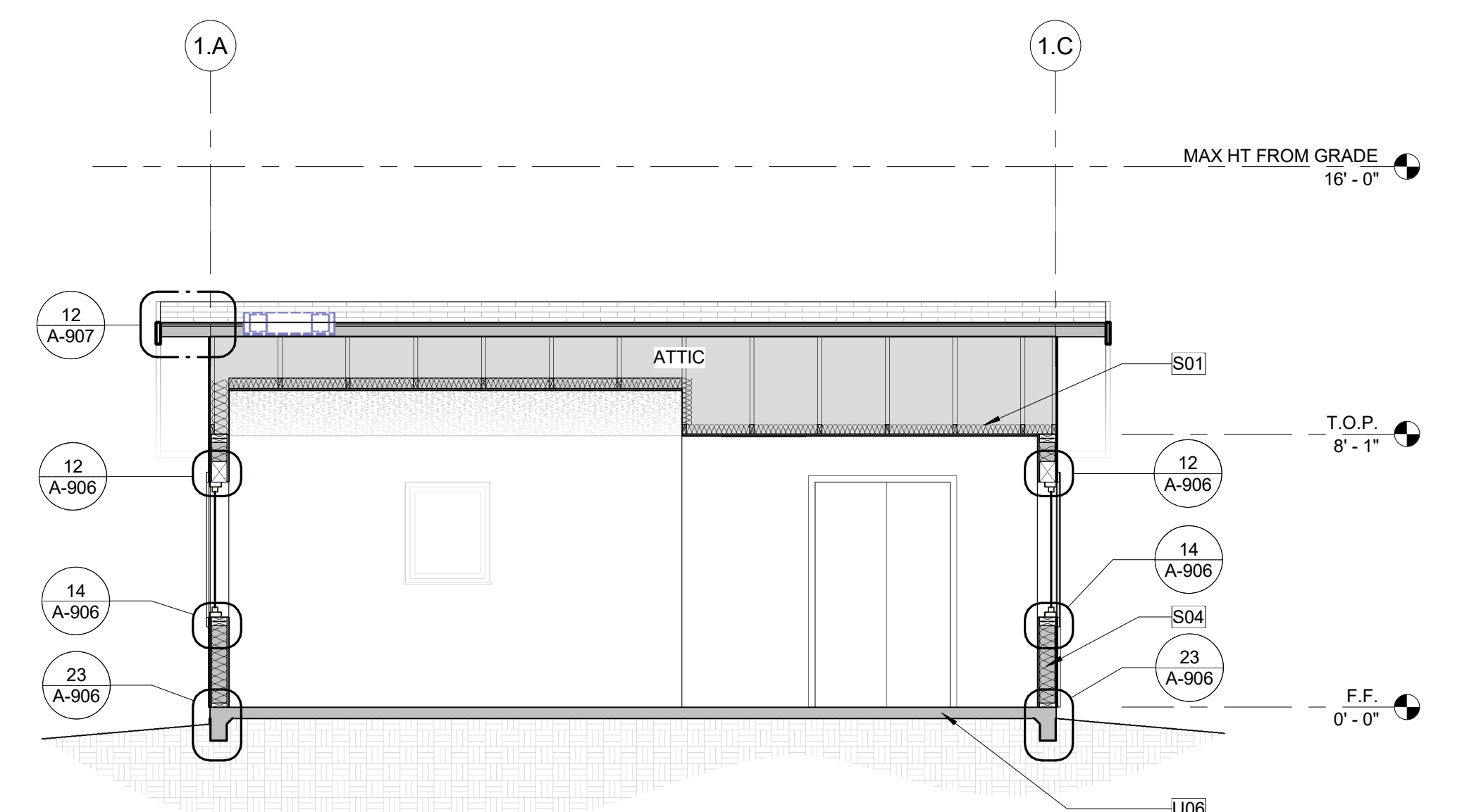
3 PLAN 1 | RIGHT ELEVATION - RANCH
A1-101 | A1-202 SCALE: 1/4" = 1'-0"



4 PLAN 1 | REAR ELEVATION - RANCH
A1-101 | A1-202 SCALE: 1/4" = 1'-0"



5 PLAN 1 | SECTION 01 - RANCH
A1-101 | A1-202 SCALE: 1/4" = 1'-0"



6 PLAN 1 | SECTION 02 - RANCH
A1-101 | A1-202 SCALE: 1/4" = 1'-0"

FOR USE IN THE CITY OF AGOURA HILLS
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AGOURA HILLS | ADU
CITY OF AGOURA HILLS

PLAN 1 - EXTERIOR ELEVATIONS & BLDG SECTIONS - RANCH

APPROVED SET

DATE
09/28/23
SHEET

A1-202

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ELECTRICAL GENERAL NOTES

- CONFORM WITH CURRENT NEC, NFPA, MFR'S, AND LOCAL REQUIREMENTS.
- ELECTRICAL SYSTEM GROUND TO BE PROVIDED PER NEC ARTICLE 250-81.
- ALL MATERIALS TO BE U.L. LABELED.
- METER: 1" SQUARE D, 120 VOLT/7 240 VOLT, 1 AND 3 WIRE GROUND OR EQUAL.
- ELECTRICAL SUB PANEL: FLUSH MOUNT, 30" CLEARANCE, 100 AMP.
- CONDUCTORS: TW, THW, COPPER, MINIMUM 14 AT LIGHTING, 12 AT OTHER CIRCUITS.
- LAMPS: FOR GENERAL LIGHTING IN KITCHENS AND BATH SHALL HAVE AN EFFICIENCY OF NOT LESS THAN 40 LUMENS/ WATT. ALL SOCKETS FILLED WITH SOFT-WHITE, 65 WATT FLUORESCENT. COOL WHITE, RS, SOUND RATING "A", 40 WATT (U.O.N.).
- ALL ELECTRICAL OUTLETS INSTALLED IN BATHROOMS, GARAGES, BASEMENTS, CRAWL SPACES, OUTDOORS, KITCHEN COUNTERS, AND AT WET BAR SINKS SHALL HAVE GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION IN COMPLIANCE WITH NEC Art. 210-8, CONSISTING OF 125 VOLT, SINGLE-PHASE, 15- AND 20- AMPERE RECEPTACLES.
- ALL BATHROOM RECEPTACLE OUTLETS SHALL BE SUPPLIED BY A MINIMUM OF ONE 120-VOLT, 20-AMPERE BRANCH CIRCUIT. SUCH CIRCUITS SHALL HAVE NO OTHER OUTLETS. THIS DEDICATED CIRCUIT MAY SERVE MORE THAN ONE BATHROOM. (2022 CEC 210.11(C)).
- PROVIDE ELECTRIC OUTLET AND PUSH-BUTTON WIRE FOR GARAGE OPENER (INCLUDE OPENER).
- THERMOSTAT SHALL BE A PROGRAMMABLE TYPE, HONEYWELL TH8320 OR EQUAL.
- RECESSED LUMINAIRES INSTALLED IN AREAS TO RECEIVE INSULATION SHALL BE "IC" LUMINAIRES AND ARE CERTIFIED AND LABELED AS AIRTIGHT TO THE STANDARDS PRESCRIBED BY THE RESIDENTIAL ENERGY CODE.
- CEILING-SUSPENDED (PADDLER) FANS SHALL BE SUPPORTED INDEPENDENTLY OF AN OUTLET BOX OR BY LISTED OUTLET BOX OR OUTLET BOX SYSTEMS IDENTIFIED FOR THE USE AND INSTALLED IN ACCORDANCE WITH 2022 CEC 314.27(C) (2022 CEC 422.16).
- ALL LUMINAIRES, LAMP HOLDERS, AND RETROFIT KITS SHALL BE LISTED (2022 CEC 410.6).
- ALL 120-VOLT, SINGLE PHASE 15- AND 20- AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT KITCHENS, FAMILY ROOMS, LIVING ROOMS, DINING ROOMS, PARLORS, LIBRARIES, DEN, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER, COMBINATION-TYPE, INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT. (2022 CEC 210-12(A)).
- ALL NON-LOCKING TYPE 125-VOLT, 15 AND 20 AMPERE RECEPTACLES IN A DWELLING UNIT SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES. EXCEPTIONS: (1) RECEPTACLES MORE THAN 5'6" ABOVE THE FLOOR, (2) RECEPTACLES PART OF A LUMINAIRE OR APPLIANCE, (3) A SINGLE RECEPTACLE OR A DUPLEX RECEPTACLE FOR TWO APPLIANCES THAT ARE NOT EASILY MOVED AND LOCATED WITHIN DEDICATED SPACE AND ARE CHORD-AND-PLUG CONNECTED AS PER CEC 400.7, AND (4) NON-GROUNDING RECEPTACLES USED FOR REPLACEMENTS AS PERMITTED IN CEC 406.4(D)(2) (A).
- HIGH EFFICACY LUMINAIRES OTHER THAN OUTDOOR HID LIGHTING CONTAIN ONLY ONLY HIGH EFFICACY LAMPS AS OUTLINED IN TABLE 150-C OF THE RESIDENTIAL ENERGY CODE AND NOT CONTAIN A MEDIUM SCREW BASE SOCKET.
- BALLAST FOR LAMPS 13 WATTS OR GREATER SHALL BE ELECTRONIC AND HAVE AN OUTPUT FREQUENCY NO LESS THAN 20 KHZ.
- SMOKE DETECTORS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING AND PROVIDED WITH A BATTERY BACK-UP. ALL SMOKE DETECTORS SHALL BE INTERCONNECTED. ALL SMOKE DETECTORS SHALL MAINTAIN A MINIMUM 3 FOOT CLEARANCE TO HVAC SUPPLY OR RETURN AIR REGISTERS.
- CARBON MONOXIDE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING AND PROVIDED WITH A BATTERY BACK-UP. ALL CARBON MONOXIDE ALARMS SHALL BE INTERCONNECTED.
- LIGHTS IN OTHER THAN KITCHENS, BATHROOMS, LAUNDRY ROOMS, AND UTILITY ROOMS MUST BE CONTROLLED BY A DIMMER OR CONTROLLED BY A MANUAL ON/OFF SWITCH. SUCH SENSORS SHALL BE CAPABLE OF AUTOMATIC CALL FUNCTIONING WITH LIGHTS NO MORE THAN 30 MINUTES AFTER THE LIGHTS HAVE BEEN VENTED.
- EXHAUST FANS WILL BE CONTROLLED BY A HUMIDISTAT PER THE GENERAL BUILDING STANDARDS CODE SECTION 503.2. EXHAUST FANS MUST SWITCHER OFF WHEN LIGHTS (CEC 150.0(A)(2)).
- OUTDOOR LIGHTS PERMANENTLY MOUNTED TO A PENDENT BUILDING OR OTHER BUILDINGS ON THE SAME LOT SHALL BE CONTROLLED BY A MANUAL ON/OFF SWITCH. LIGHTS MOUNTED TO A PENDENT BUILDING OR OTHER BUILDINGS ON THE SAME LOT SHALL BE CONTROLLED BY A MANUAL ON/OFF SWITCH. LIGHTS MOUNTED TO A PENDENT BUILDING OR OTHER BUILDINGS ON THE SAME LOT SHALL BE CONTROLLED BY A MANUAL ON/OFF SWITCH. LIGHTS MOUNTED TO A PENDENT BUILDING OR OTHER BUILDINGS ON THE SAME LOT SHALL BE CONTROLLED BY A MANUAL ON/OFF SWITCH. LIGHTS MOUNTED TO A PENDENT BUILDING OR OTHER BUILDINGS ON THE SAME LOT SHALL BE CONTROLLED BY A MANUAL ON/OFF SWITCH. LIGHTS MOUNTED TO A PENDENT BUILDING OR OTHER BUILDINGS ON THE SAME LOT SHALL BE CONTROLLED BY A MANUAL ON/OFF SWITCH.

MECHANICAL NOTES

- CONFORM WITH CURRENT ADOPTED CRC, CMC, SMACNA, NFPA AND LOCAL REQUIREMENTS.
- DUCTWORK: SMACNA "LOW VELOCITY DUCT CONSTRUCTION" NFPA STANDARD #90A. ALL TRANSVERSE DUCT PLENUM AND FITTING JOINTS SHALL BE SEALED WITH PRESSURE SENSITIVE NON-CLOTH TAPE MEETING THE REQUIREMENTS OF UL181, 181A, OR 181B, OR MASTIC TO PREVENT AIR LOSS. DUCTS SHALL BE INSULATED AS REQUIRED BY THE UMC. SEE FLOOR PLAN FOR F.A.U. AND FIREPLACES. DUCTS PENETRATING A WALL OR FLOOR-CEILING BETWEEN GARAGE & DWELLING TO BE MINIMUM 26 GAUGE METAL WITHOUT OPENING IN GARAGE. FIRE DAMPER REQUIRED OTHERWISE.
- GRILLES AND REGISTERS, DIFFUSERS, ETC: SUBJECT TO OWNERS APPROVAL. "CARNE'S" OR EQUAL FANS: DIRECTLY VENTED TO OUTSIDE. BACK DRAFT DAMPERS ARE REQUIRED (PER TABLE 2-53V, TITLE 24 C.A.C.). THE RETURN AIR PLENUM SERVING THE MECHANICAL EQUIPMENT MUST BE FULLY DUCTED FROM THE EQUIPMENT TO THE CONDITIONED SPACE. DROP CEILING, WALL CAVITIES AND EQUIPMENT PLATFORMS MAY NOT BE USED AS PLENUMS.
- LAUNDRY DRYER VENT TO EXTERIOR TO BE 4" IN DIAMETER AND LENGTH IS LIMITED TO 14 FEET MAXIMUM WITH TWO ELBOWS. THE DUCT LENGTH SHALL BE REDUCED 2 FEET FOR EVERY ELBOW IN EXCESS OF TWO PER CMC 504.4.2. POWER ASSISTED DEVICE IS REQUIRED.
- BATHROOM EXHAUST FANS (BATHROOM APPLIES TO ROOMS CONTAINING BATHTUB, SHOWER, OR TUB/SHOWER COMBINATION) WHICH EXHAUST DIRECTLY FROM BATHROOMS SHALL COMPLY WITH THE FOLLOWING (2022 CMC 504.4.1):
 - FANS SHALL BE ENERGY STAR COMPLIANT AND BE DUCTED TO TERMINATE OUTSIDE THE BUILDING MIN 3' FROM OPENINGS.
 - UNLESS FUNCTIONING AS A COMPONENT OF A WHOLE HOUSE VENTILATION SYSTEM, FANS MUST BE CONTROLLED BY A HUMIDITY CONTROL.
 - HUMIDITY CONTROLS SHALL BE CAPABLE OF ADJUSTMENT BETWEEN A RELATIVE HUMIDITY RANGE OF 50 PERCENT TO A MAXIMUM OF 80 PERCENT. A HUMIDITY CONTROL MAY UTILIZE MANUAL OR AUTOMATIC MEANS OF ADJUSTMENT.
 - A HUMIDITY CONTROL MAY BE A SEPARATE COMPONENT TO EXHAUST FAN AND IS NOT REQUIRED TO BE INTEGRAL (I.E. BUILT IN)
- BATHROOM EXHAUST FANS SHALL PROVIDE MINIMUM 50 CFM EXHAUST RATE (2022 CMC 504.4.1(1)).
- KITCHEN LOCAL EXHAUST VENTILATION REQUIRES A MINIMUM EXHAUST PER CMC T-150.0-G. THIS INCLUDES A MAXIMUM SOUND RATING OF 3 SONE @ 100CFM ASHRAE 62.2 SECTION 7.1. EXHAUST MUST OUTLET OUTSIDE THE DWELLING. (2022 CMC 154.0(C) & CMC 150.0(C)).
- VENTILATION SYSTEMS SHALL BE CAPABLE OF SUPPLY AIR AND RETURN AIR. PARTS AND PLENUMS SHALL BE INSULATED TO A MINIMUM INSTALLED R-6.0 (OR AN EQUIVALENT LEVEL REQUIRED BY 2022 CMC SECTION 504.4.1(1)).
- MINIMUM 100 SQUARE FEET MAKE-UP AIR FOR FLOOR DRYERS SHALL BE INCLUDED IN CLOSELY SPACED AREAS (CMC 504.4.1(1)).

GENERAL MEP NOTES

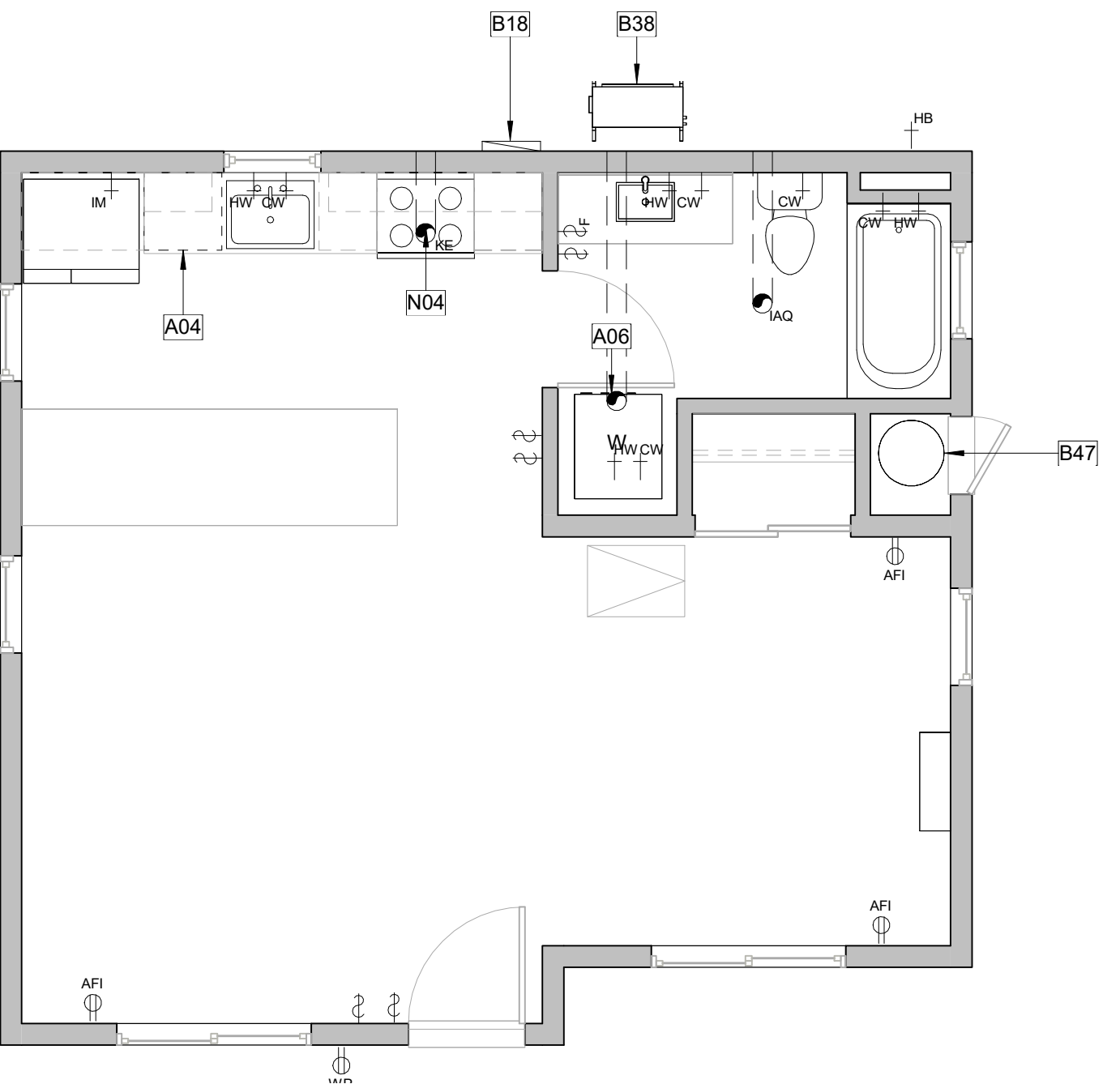
- REFER TO ELECTRICAL NOTES ON SHEET G-101.
- REFER TO MECHANICAL NOTES ON SHEET G-101.
- REFER TO PLUMBING NOTES ON SHEET G-101.
- REFER TO TITLE 24 COMPLIANCE NOTES ON SHEET G-101.
- EXTERNALLY MOUNTED HEATING/COOLING UNITS SHALL BE SCREENED IF THEY ARE VISIBLE FROM A PUBLIC STREET.

KEYNOTES

- A04 24" WIDE FRONT CONTROL UNDERCOUNTER DISHWASHER.
- A06 STACKED WASHER/DRYER MACHINE LOCATION. PROVIDE WASTE AND WATER IN RECESSED WALL BOX. PROVIDE DRYER VENT. VENT TO OUTSIDE AIR. SPECIFY CLOTHES DRYER MOISTURE EXHAUST DUCT MUST BE 4" IN DIAMETER AND LENGTH IS LIMITED TO 14' WITH TWO ELBOWS. THE DUCT LENGTH SHALL BE REDUCED BY 2' FOR EVERY ELBOW IN EXCESS OF TWO. (CMC 504.4.2)
- B18 ELECTRIC PANEL TDB.
- B38 MULTI-ZONE HEAT PUMP CONDENSER UNIT. REFER TO PLANS FOR LOCATION OF INDOOR FAN COIL UNITS. REFER TO TITLE 24 FOR ADDITIONAL INFORMATION. PROVIDE CONCRETE PAD MIN. 6" LARGER THAN UNIT IN EACH DIRECTION, 3" MIN. ABOVE GRADE. IF MECH UNIT IS VISIBLE FROM STREET, SCREENING WILL BE REQUIRED.
- B47 40 GALLON HEAT PUMP WATER HEATER. REFER TO TITLE 24 FOR ADDITIONAL INFORMATION.
- N04 HERS VERIFICATION IS REQUIRED FOR KITCHEN RANGE HOOD. CFR FORMS ARE REQUIRED TO BE SUBMITTED TO INSPECTOR AT THE TIME OF INSPECTION.

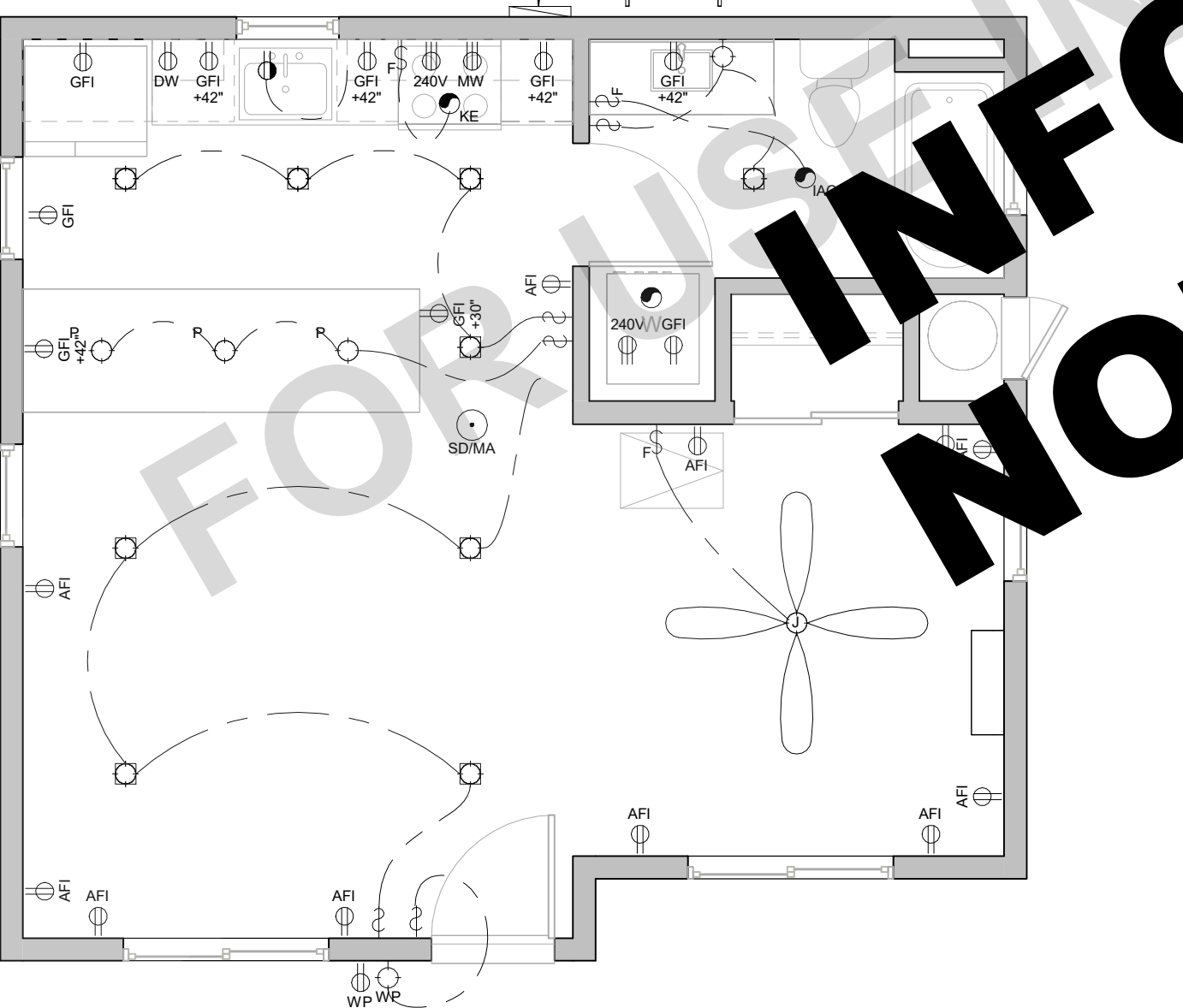
1 PLAN 1 | MECHANICAL PLAN

A1-201 | A1-301 SCALE: 1/4" = 1'-0"



2 PLAN 1 | ELECTRICAL PLAN

A1-201 | A1-301 SCALE: 1/4" = 1'-0"



LEGEND

NOTE: ALL OUTDOOR OUTLETS SHALL HAVE GFCI PROTECTION AND WEATHERPROOF COVERS.

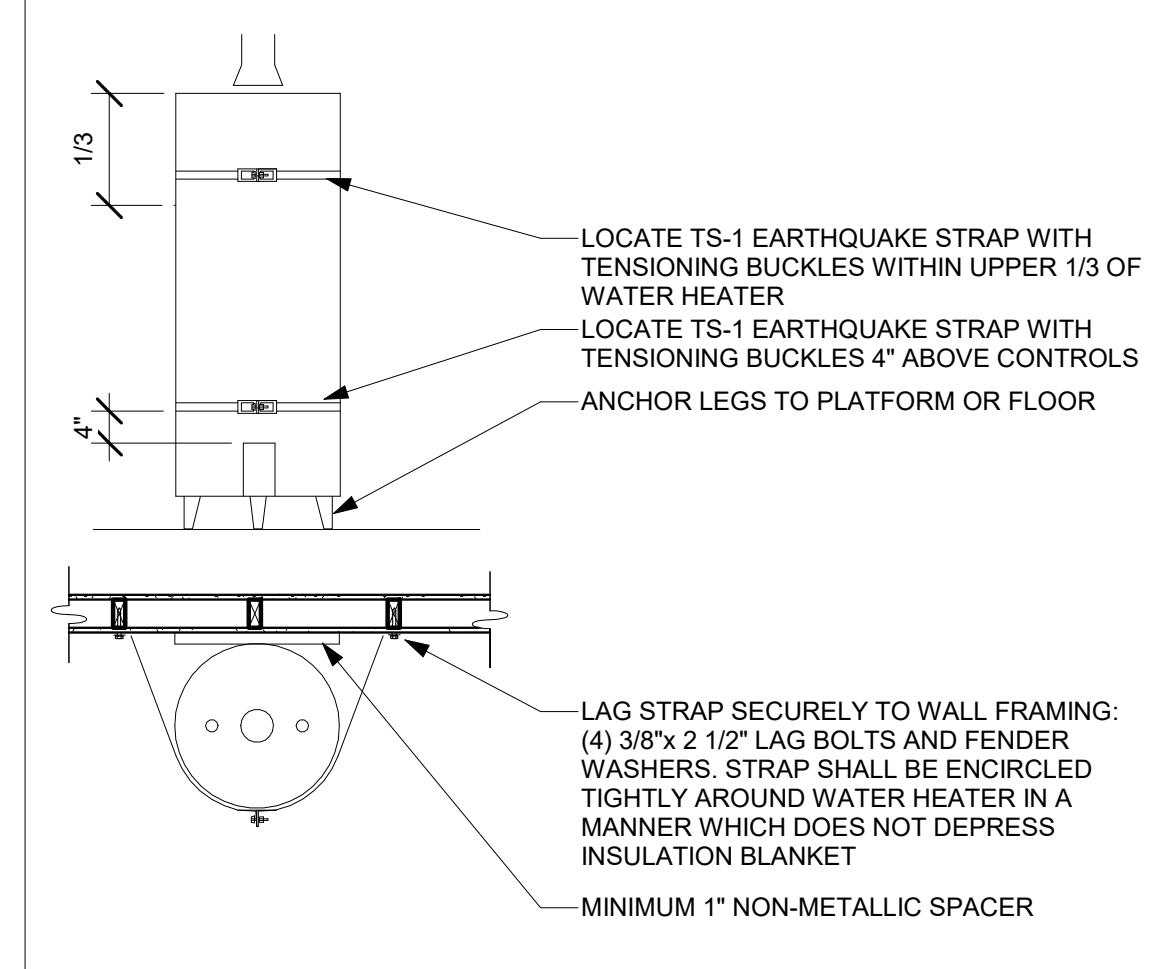
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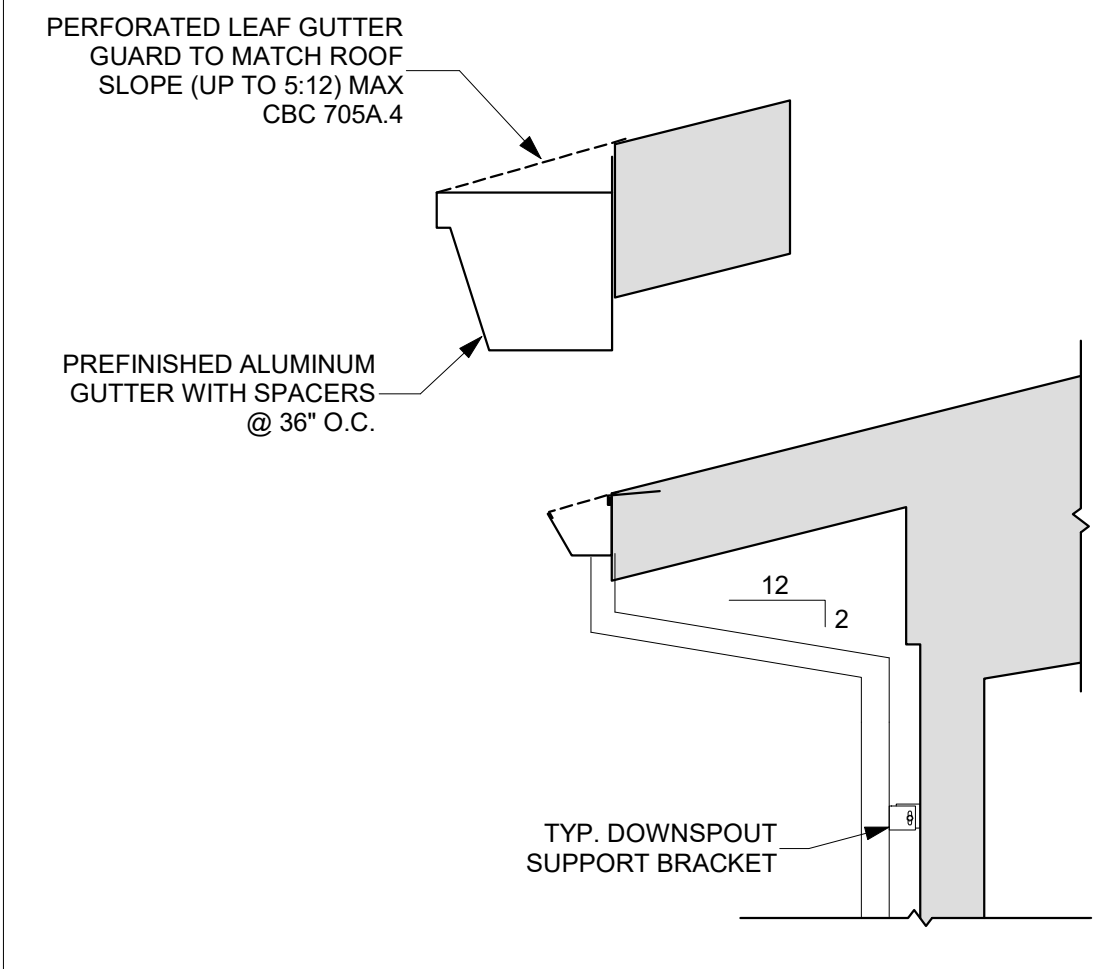
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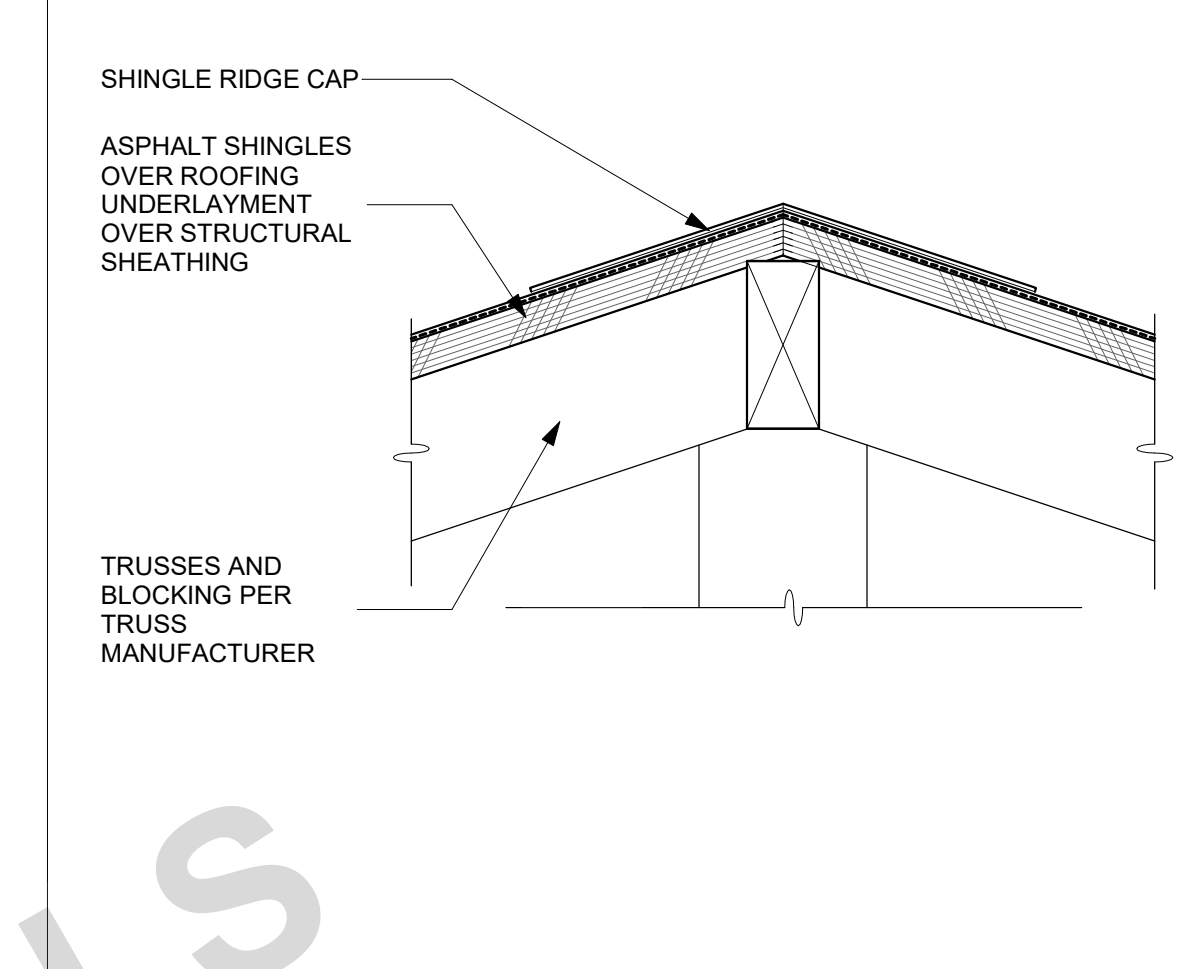
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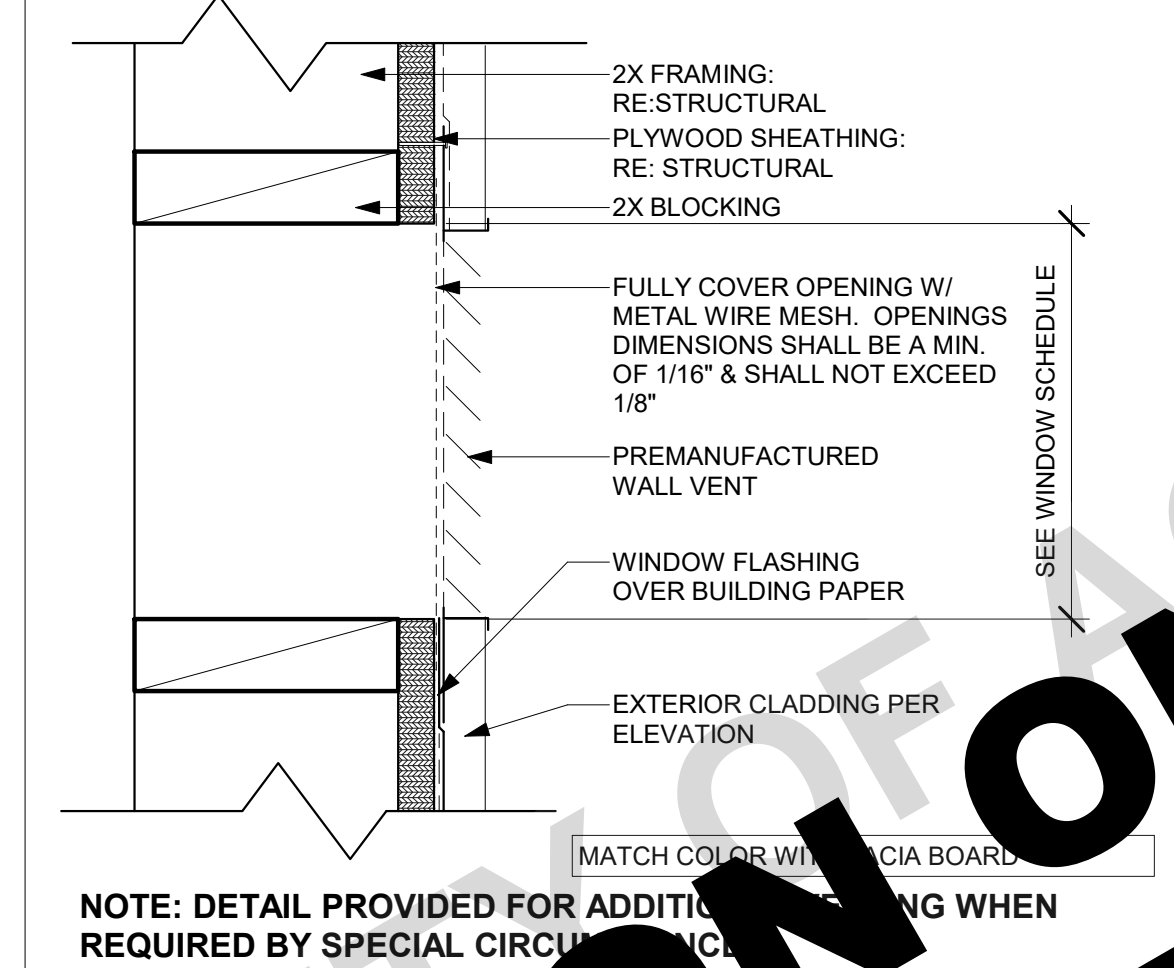
31 WATER HEATER MOUNTING
SCALE: 1/2" = 1'-0"



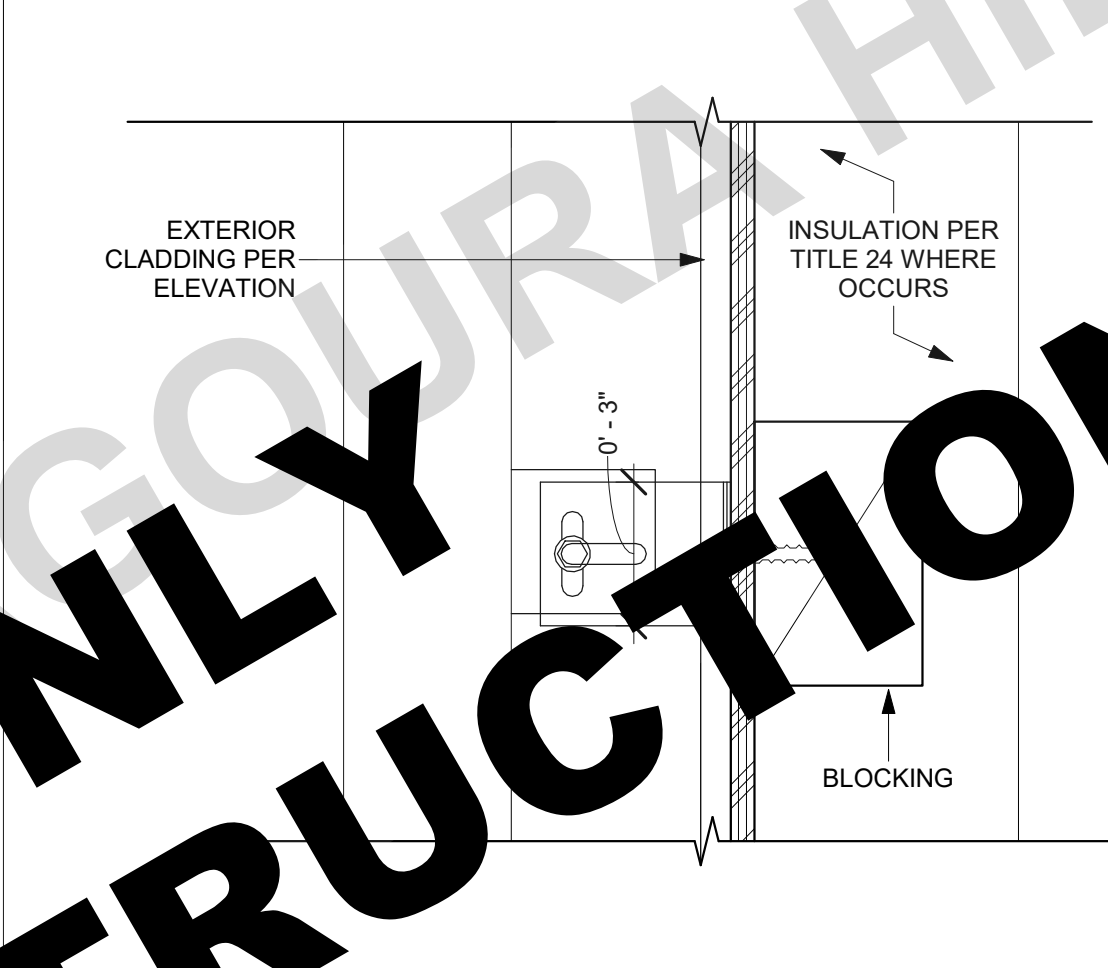
21 TYP. GUTTER TO EXT. DOWNSPOUT
SCALE: 1/2" = 1'-0"



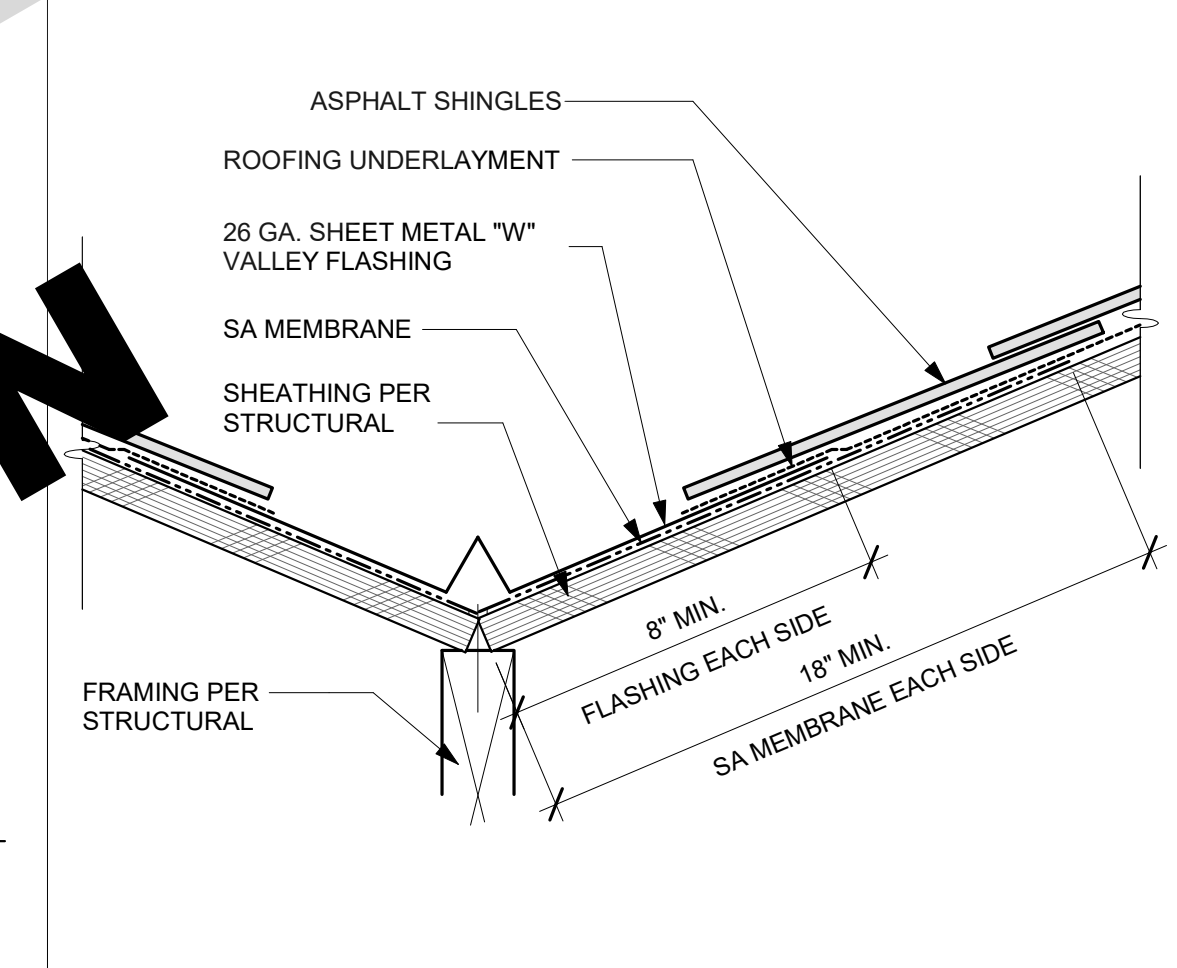
11 TYPICAL RIDGE/HIP DETAIL
SCALE: 3" = 1'-0"



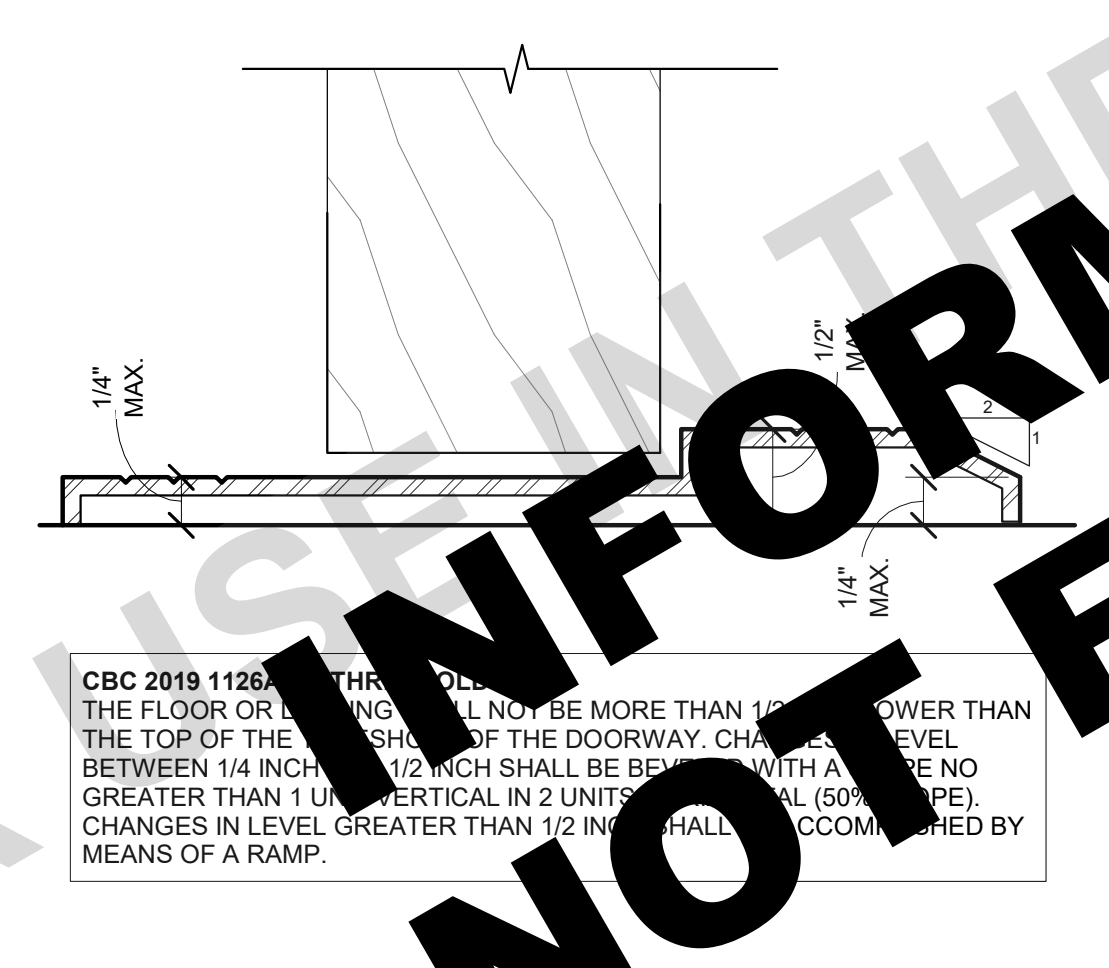
32 WALL VENT
SCALE: 3" = 1'-0"



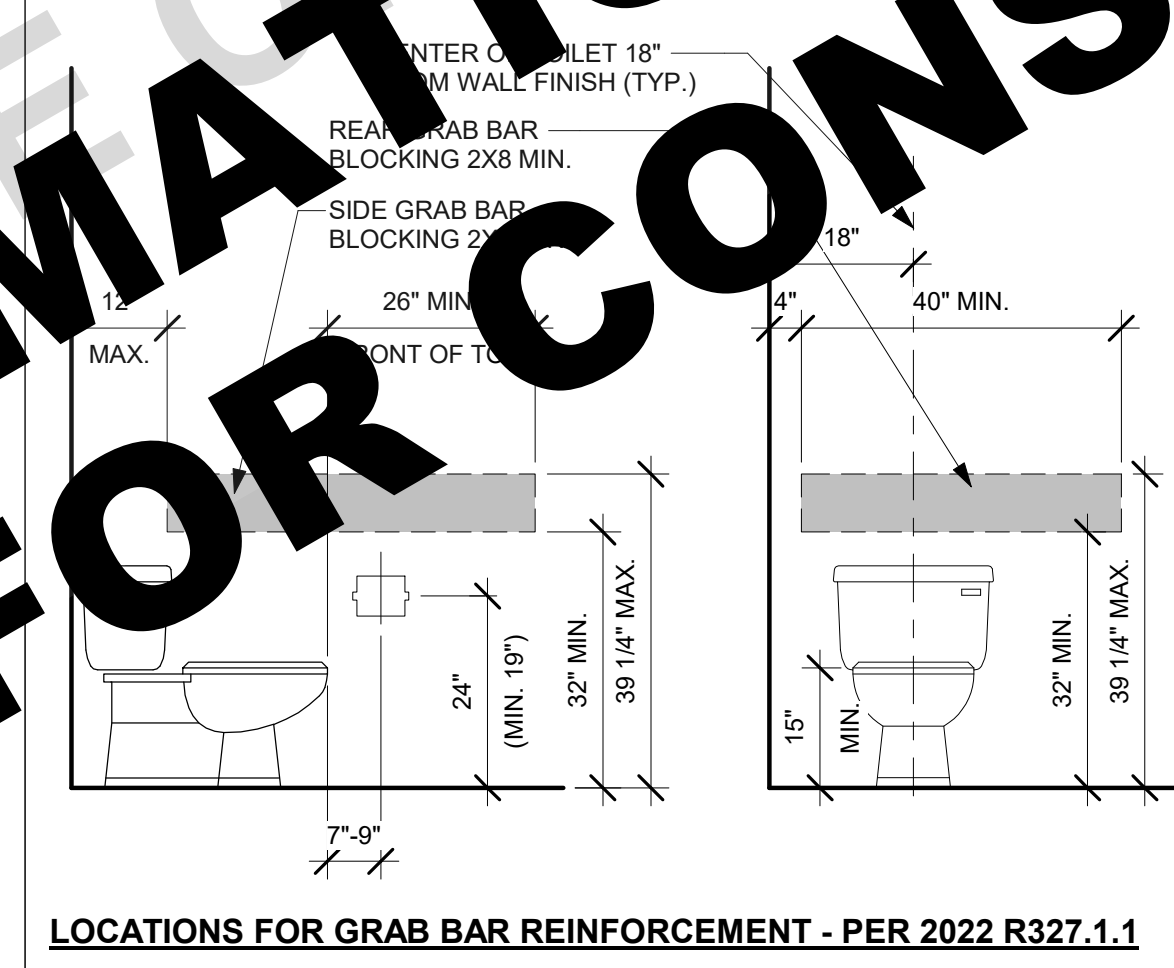
22 DOWNSPOUT ATTACHMENT
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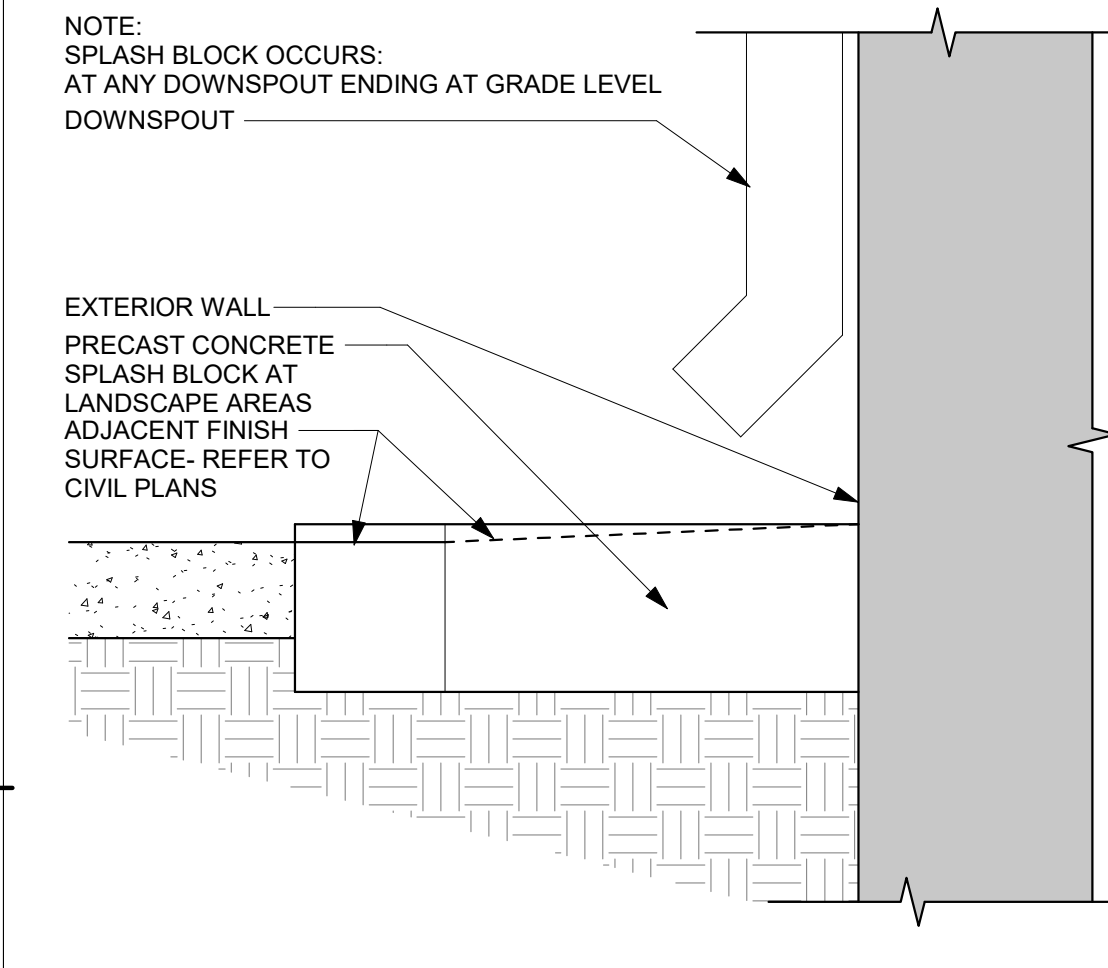
12 TYPICAL VALLEY DETAIL
SCALE: 3" = 1'-0"



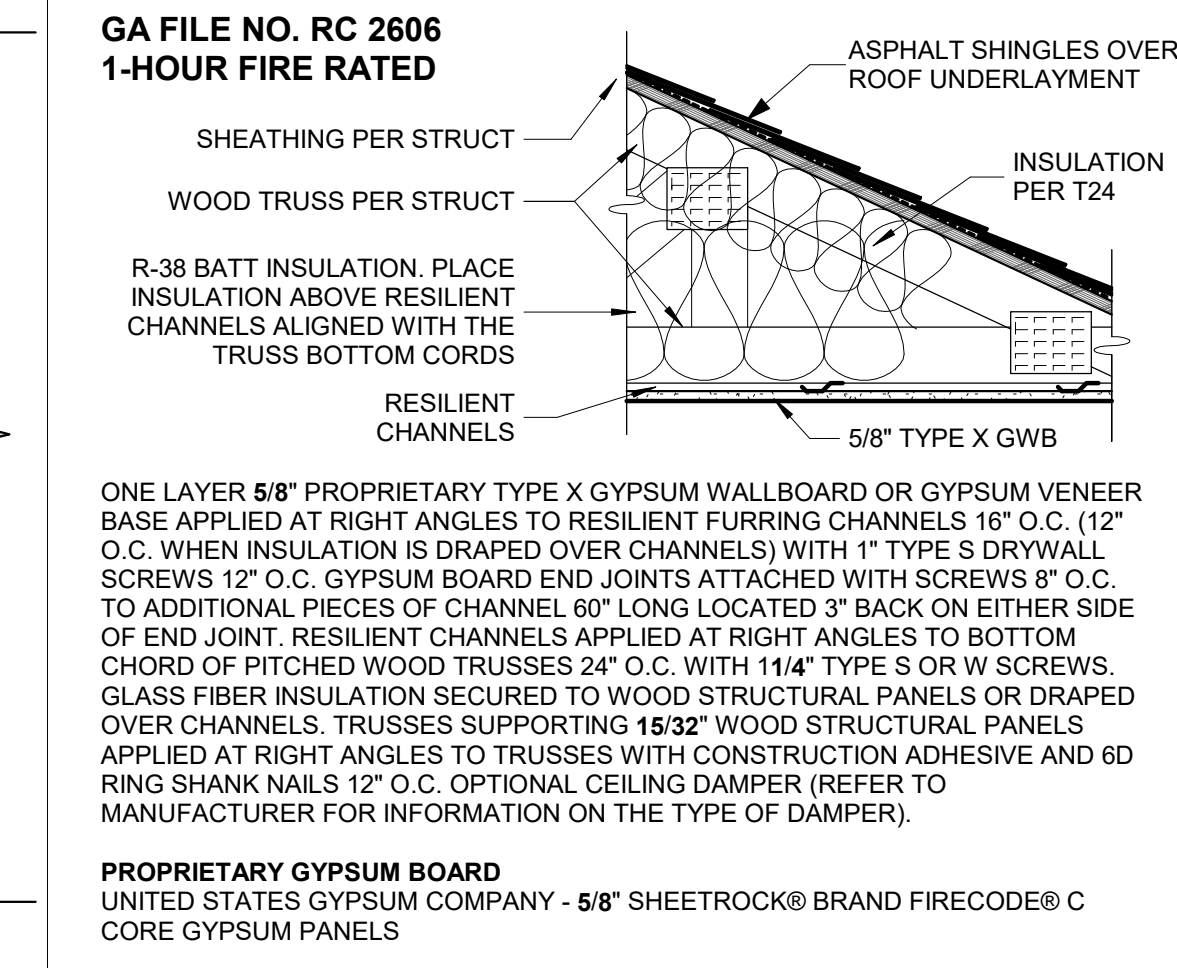
43 DOOR THRESHOLD
SCALE: 1/2" = 1'-0"



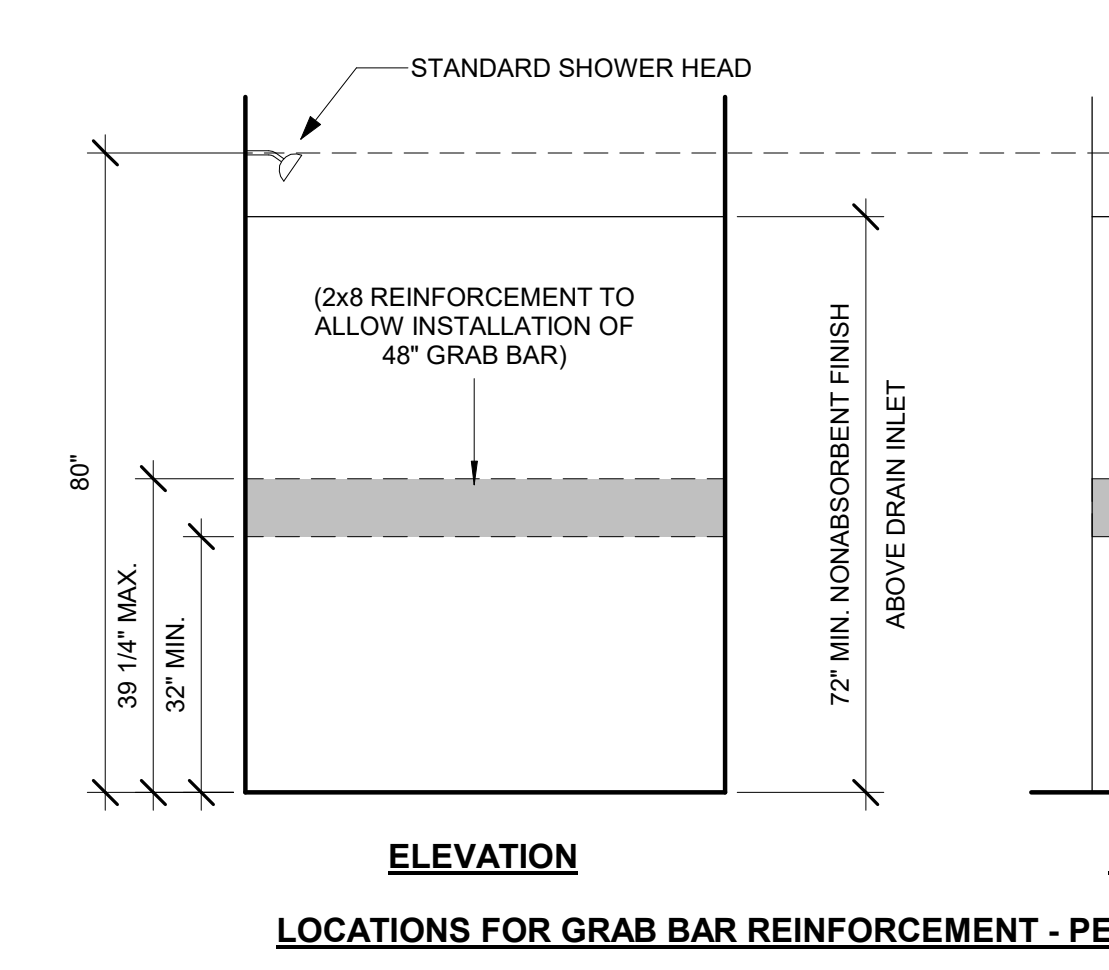
33 AGING-IN-PLACE WATER CLOSET
SCALE: 1/2" = 1'-0"



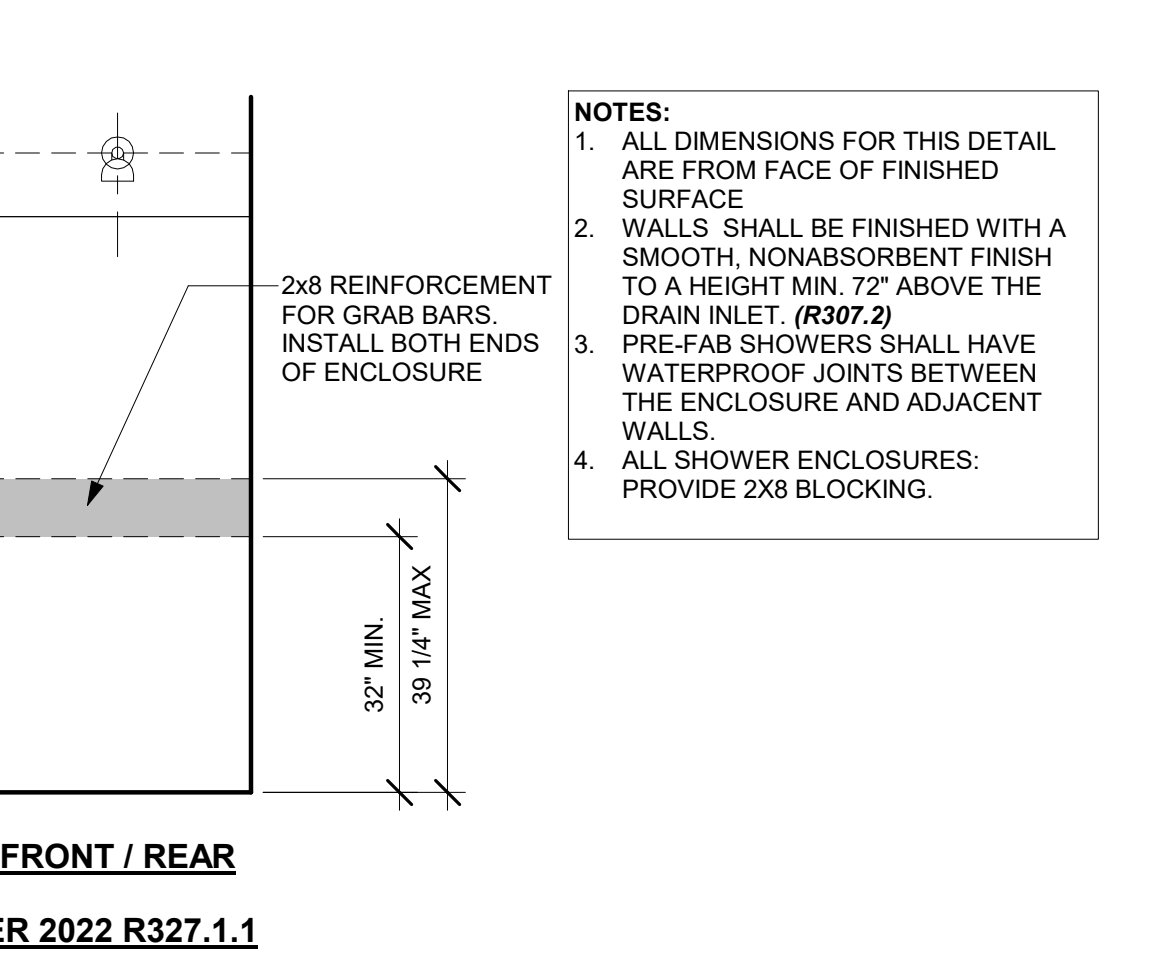
23 DOWNSPOUT TO SPLASH BLOCK
SCALE: 1/2" = 1'-0"



13 ROOF ASSEMBLY (1-HOUR)
SCALE: 1" = 1'-0"



44 AGING-IN-PLACE SHOWER COMPLIANCE
SCALE: 1/2" = 1'-0"



24 AGING-IN-PLACE TUB COMPLIANCE
SCALE: 1/2" = 1'-0"

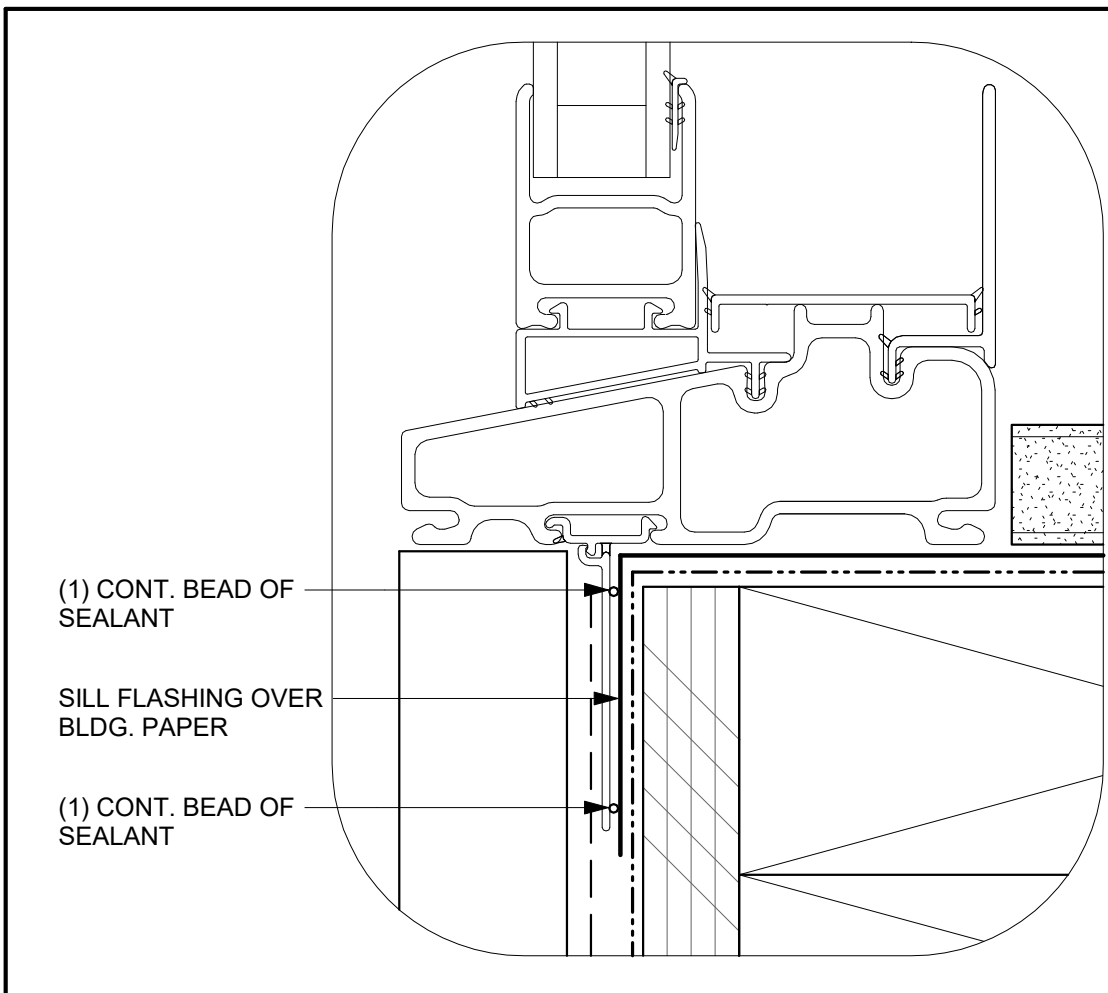
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CITY OF AGOURA HILLS
ARCHITECTURAL DETAILS -
COMMON

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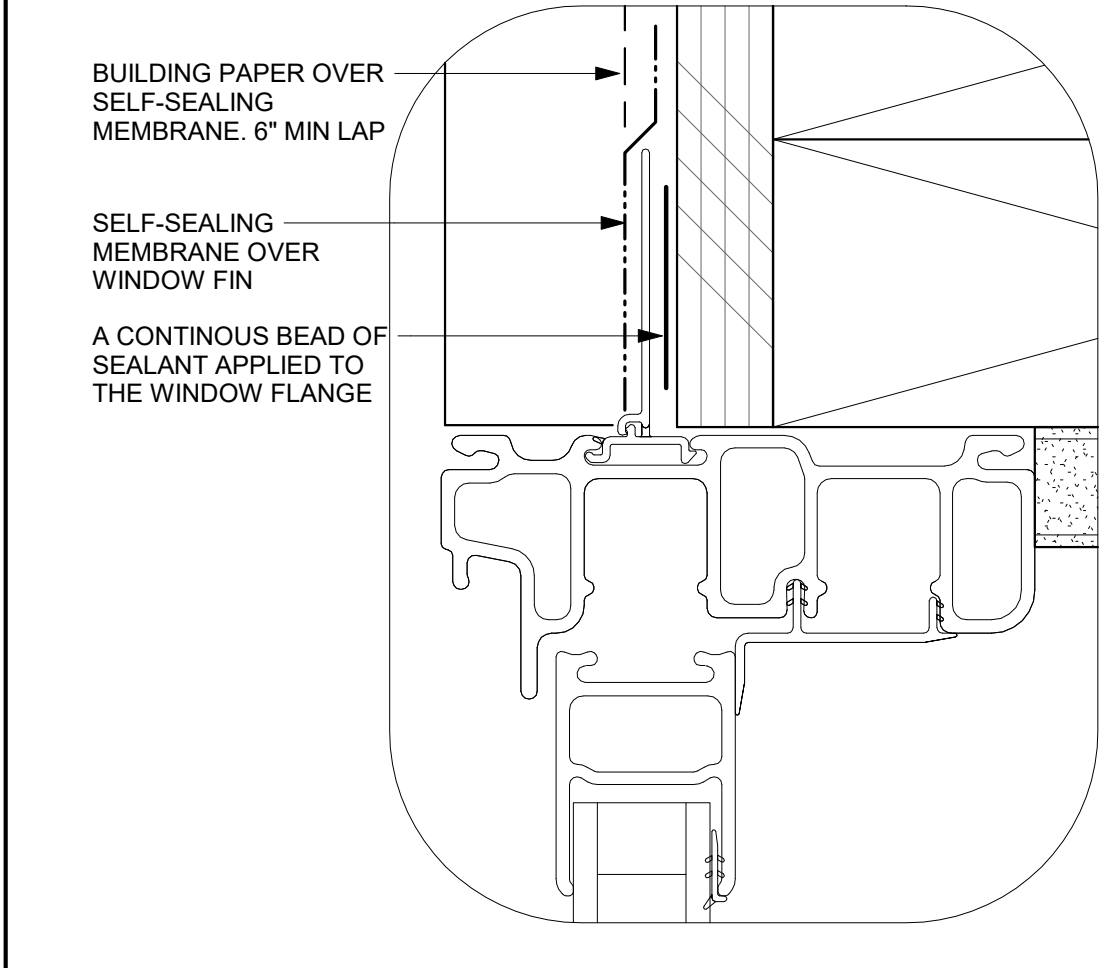
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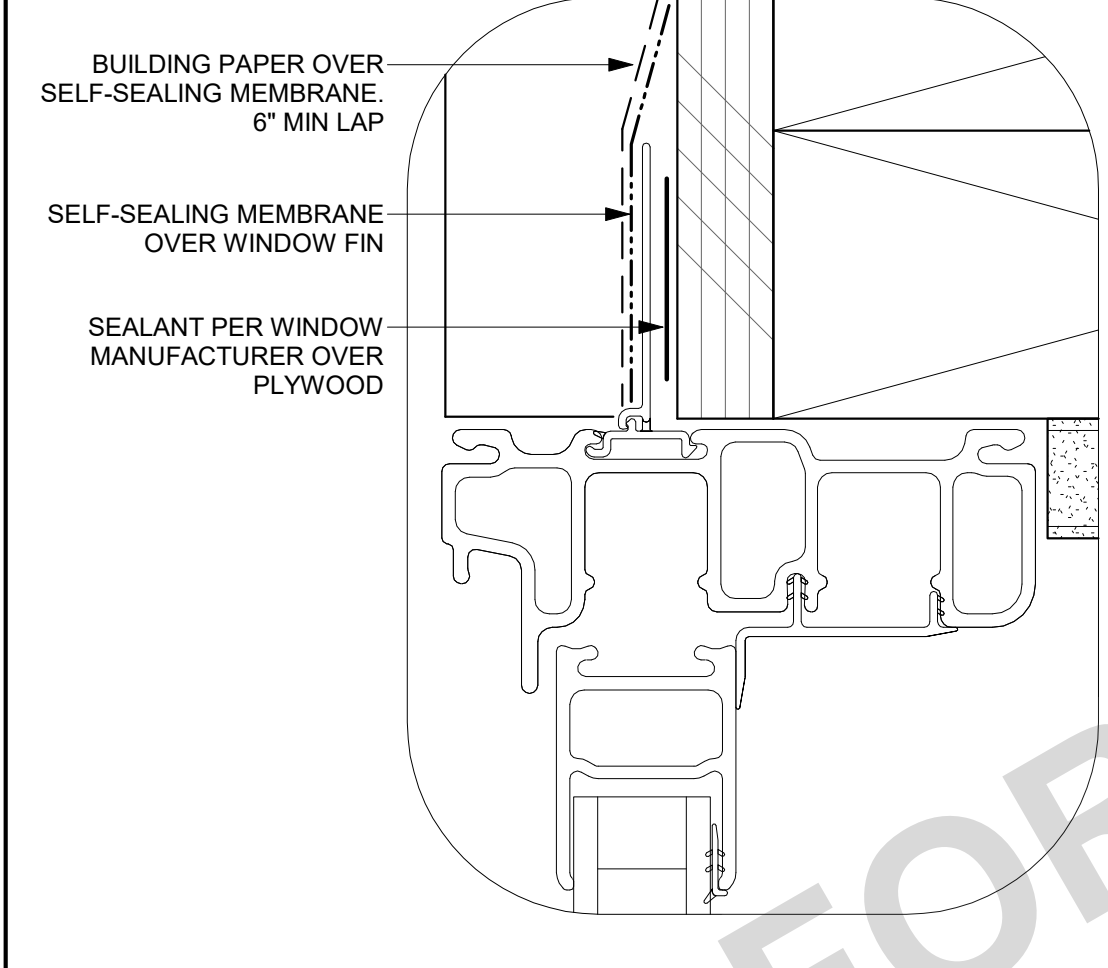
51 DETAILED SILL FLASHING

SCALE: 1/2" = 1'-0"



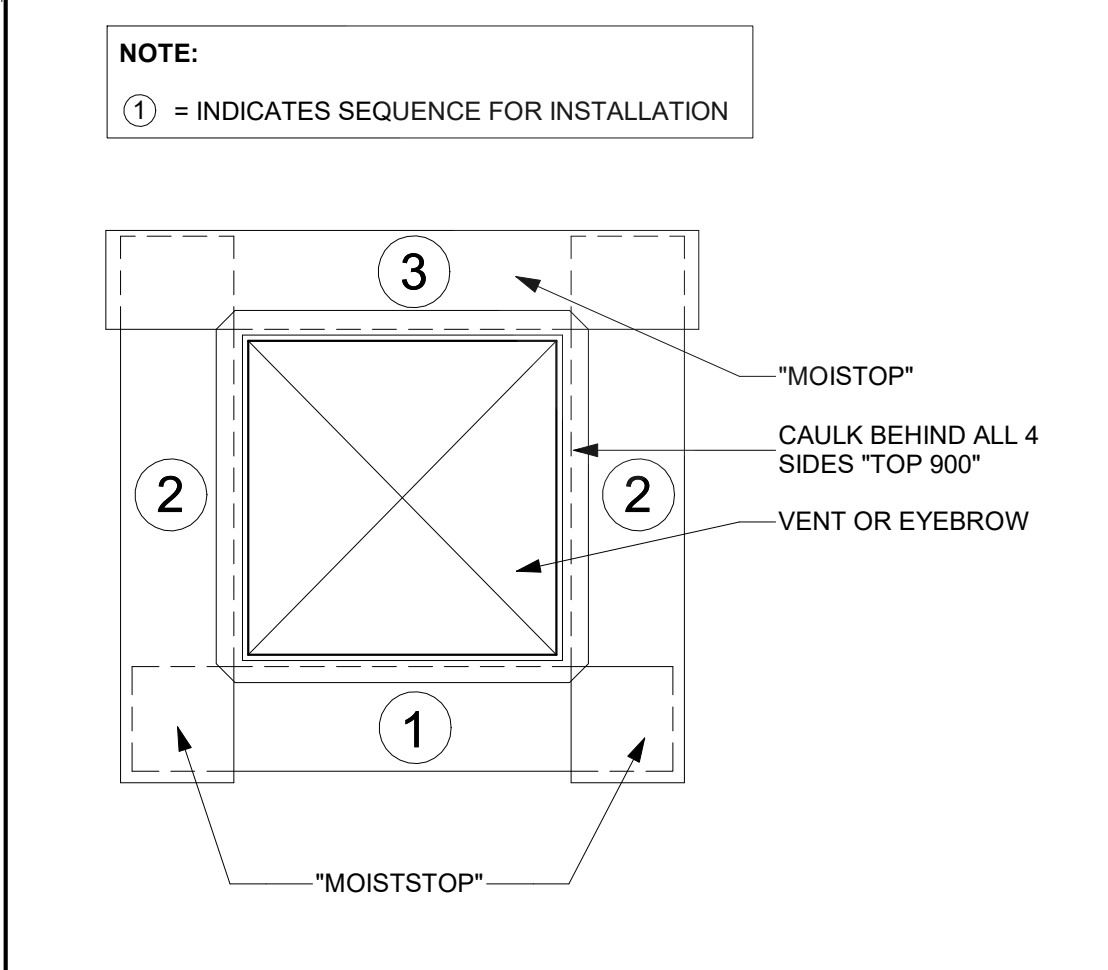
52 DETAILED HEAD FLASHING

SCALE: 1/2" = 1'-0"



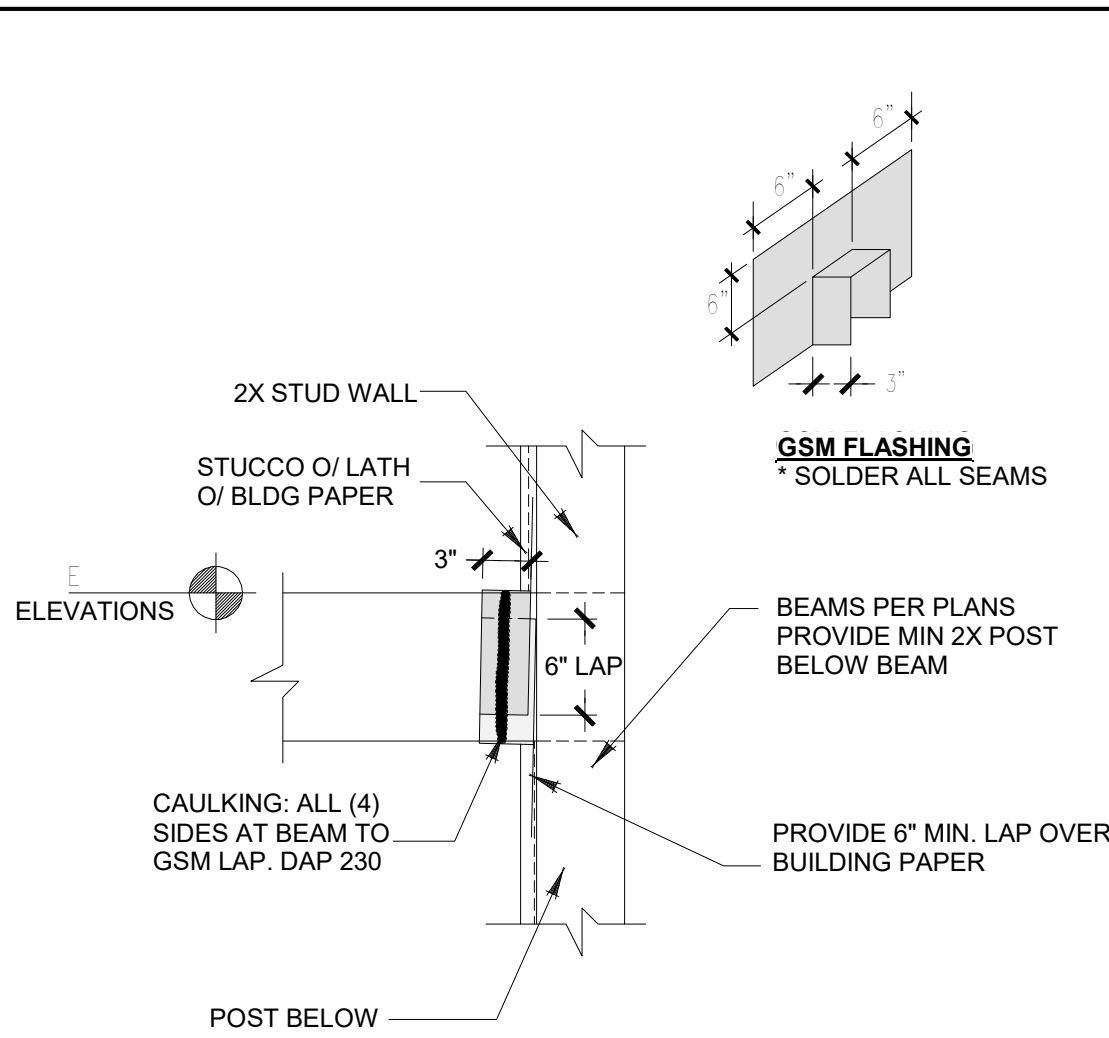
53 DETAILED JAMB FLASHING

SCALE: 1/2" = 1'-0"



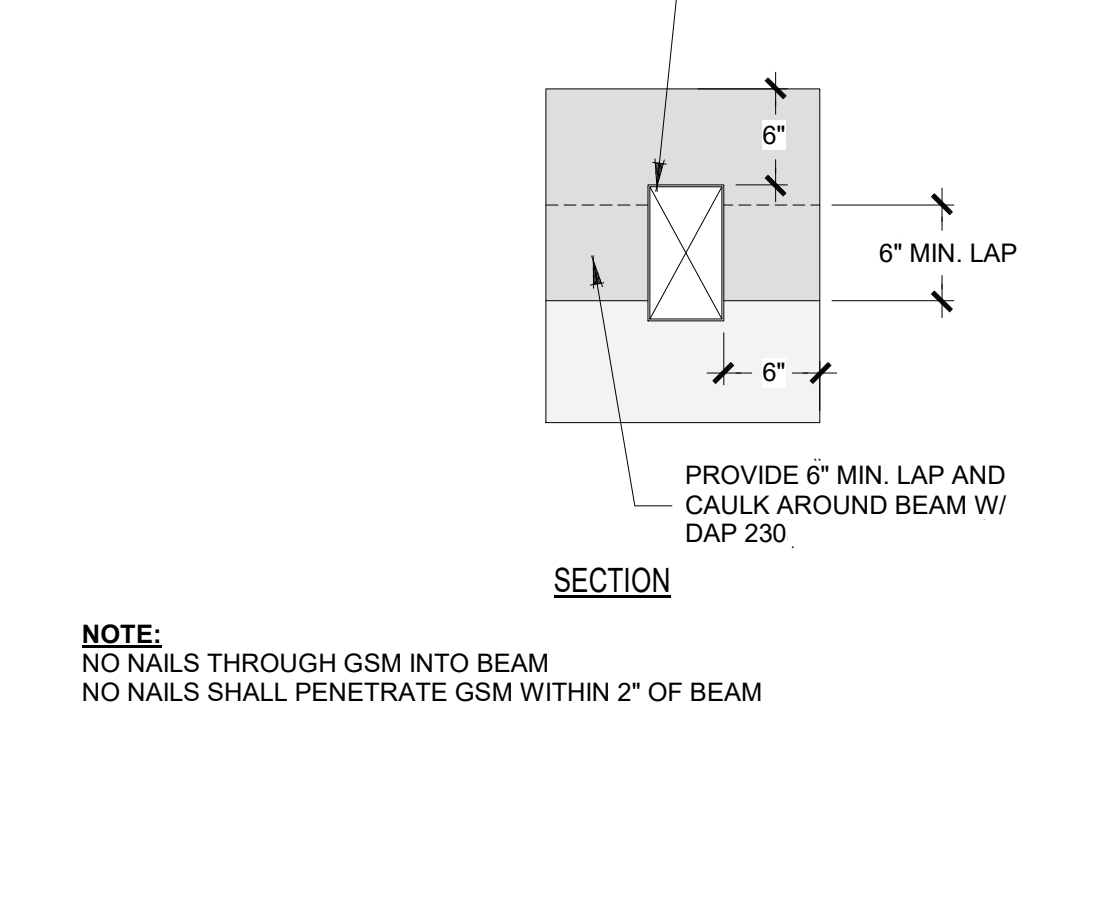
54 FLASHING - G.I. VENT

SCALE: 1" = 1'-0"



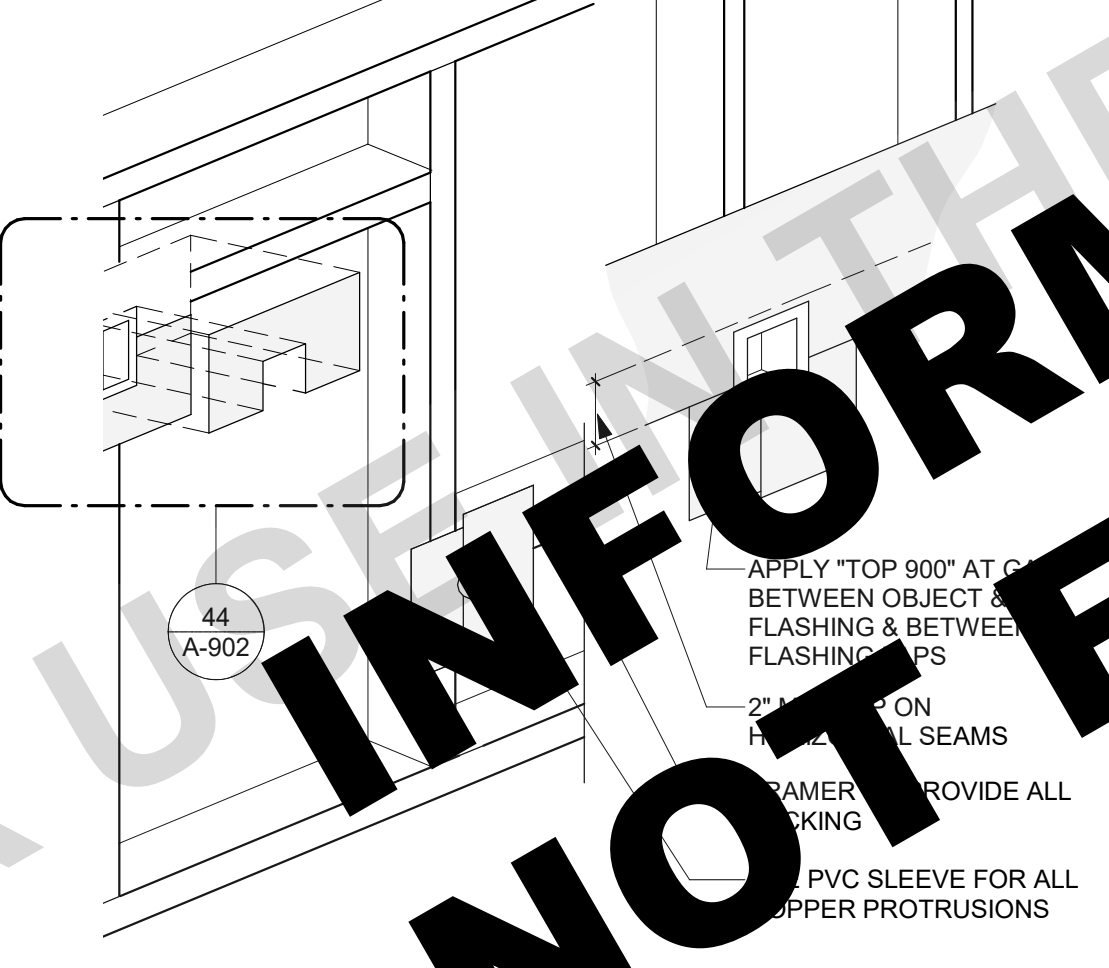
42 BEAM TO WALL FLASHING

SCALE: 1/2" = 1'-0"



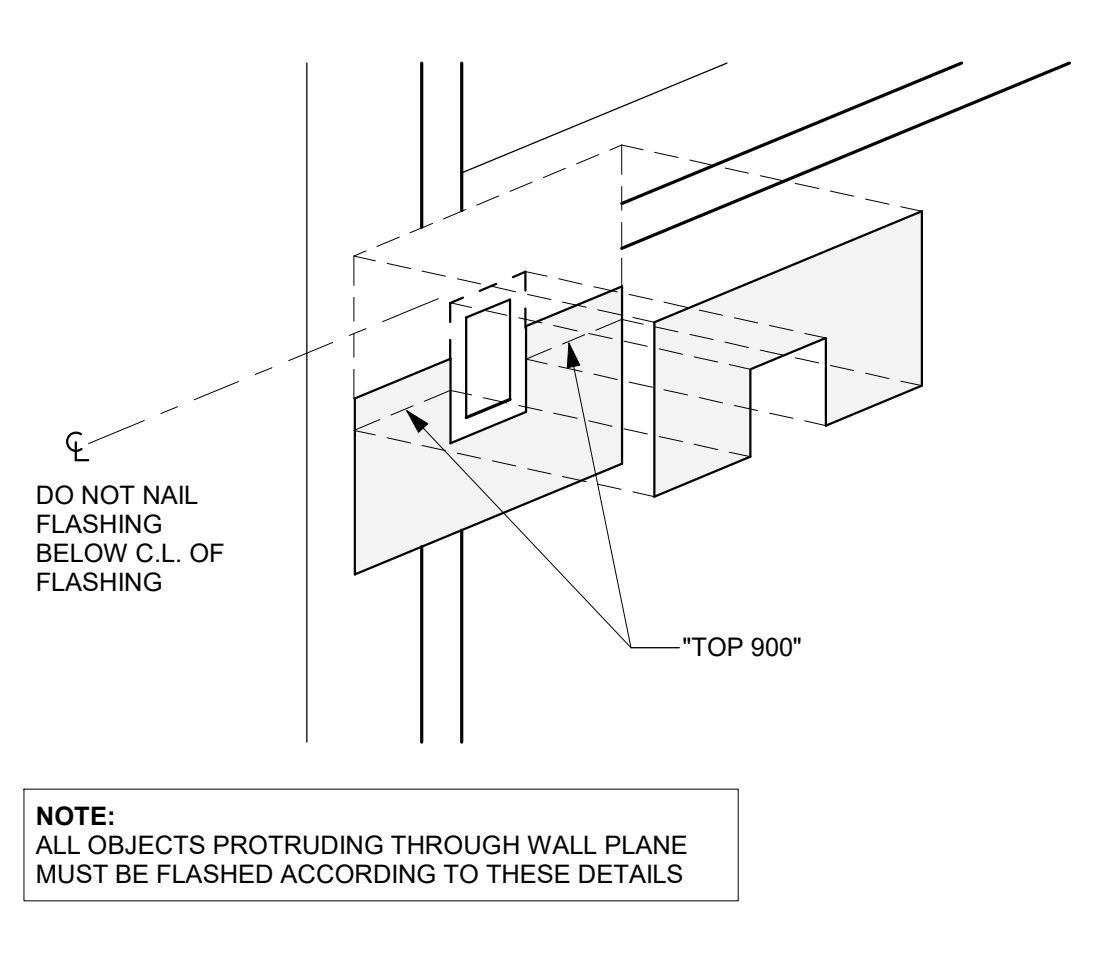
43 FLASHING - PROTRUSIONS

SCALE: 1 1/2" = 1'-0"



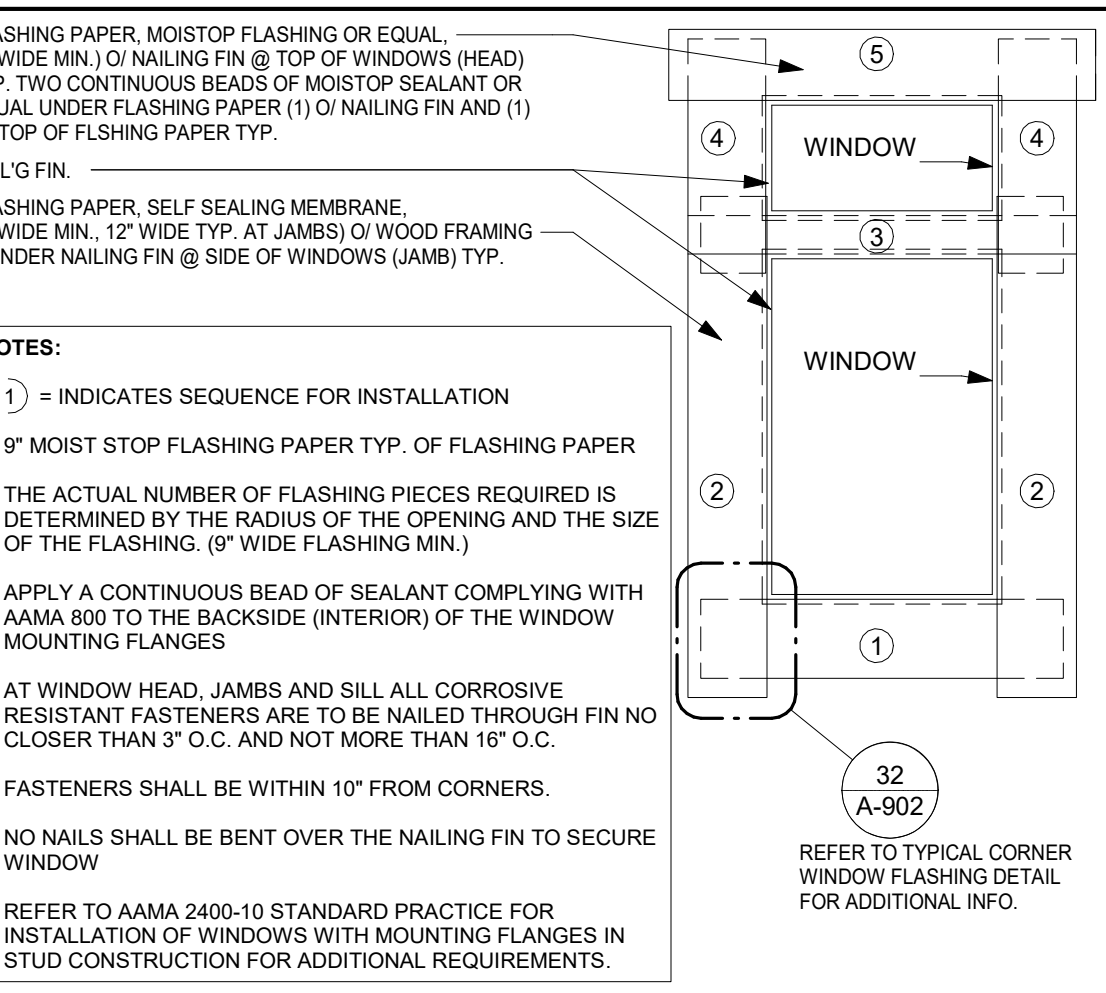
44 FLASHING - DETAILED PROTRUSION

SCALE: 1 1/2" = 1'-0"



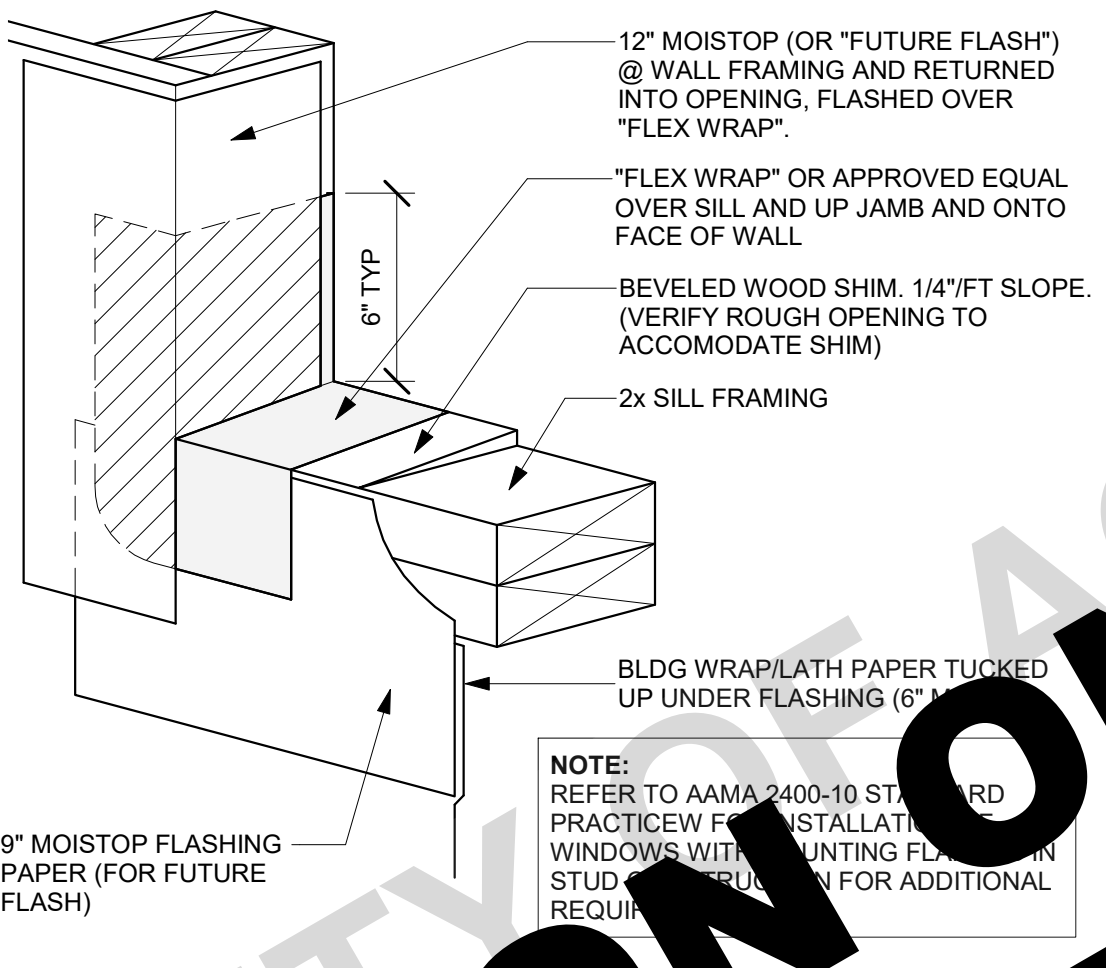
34 FLASHING - DOOR AT W.P. DECK2

SCALE: 1 1/2" = 1'-0"



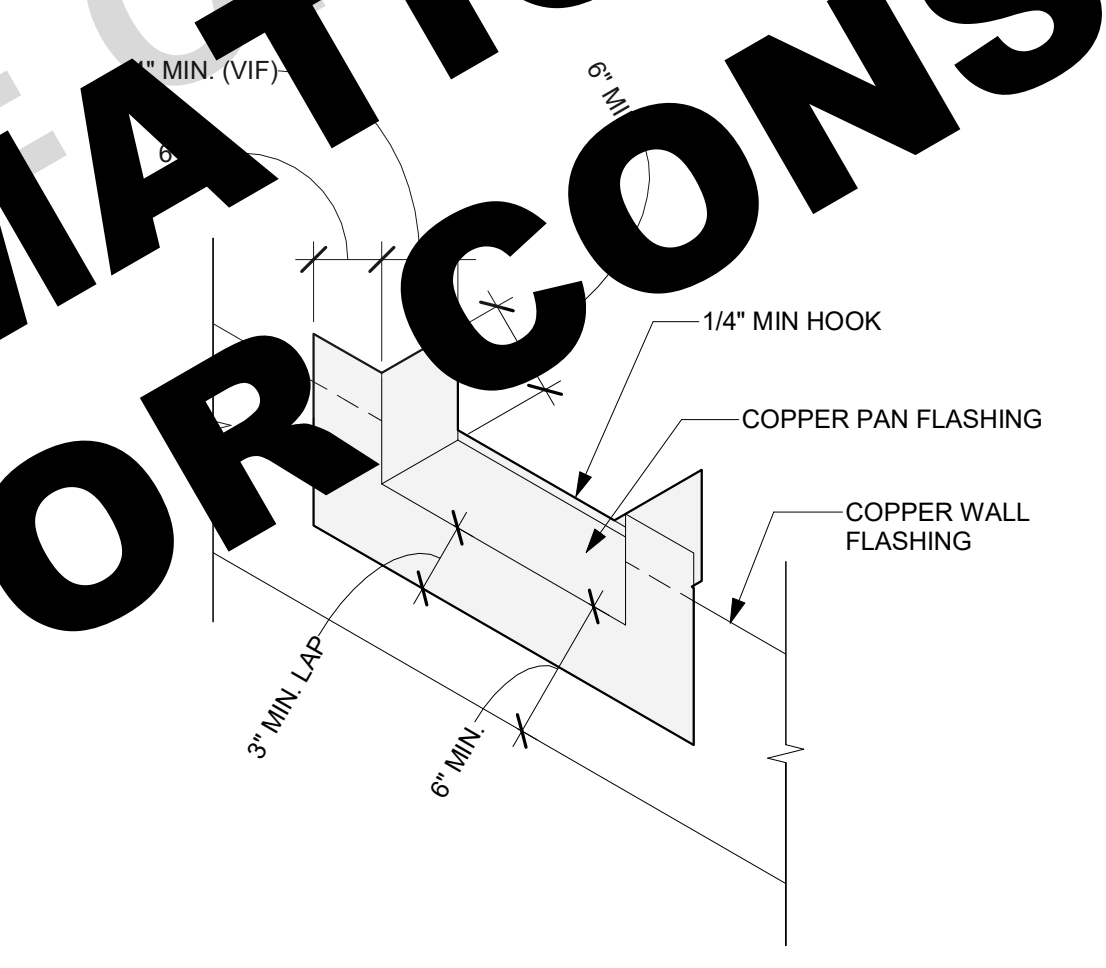
31 FLASHING - WINDOW TYP.

SCALE: 1/2" = 1'-0"



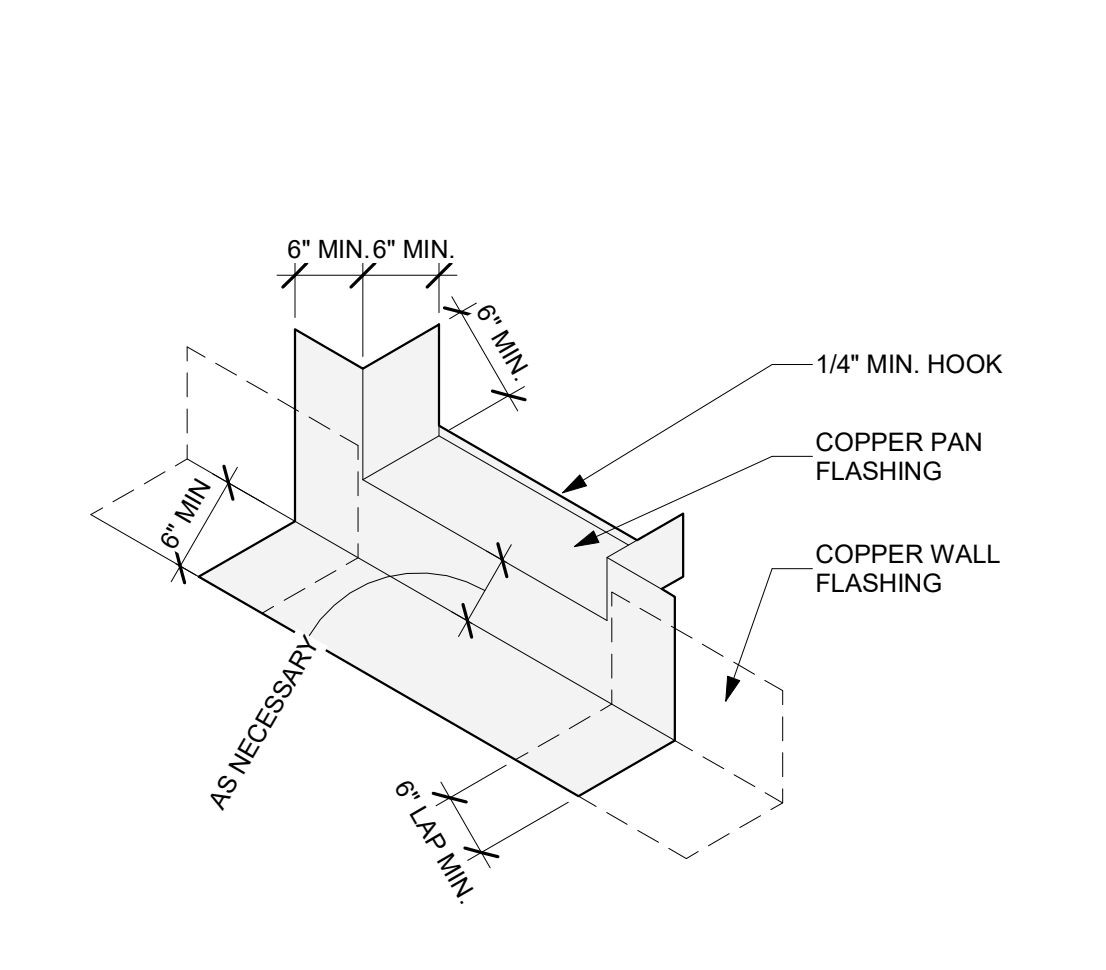
32 FLASHING - WINDOW DRILLER TYP.

SCALE: 1/2" = 1'-0"



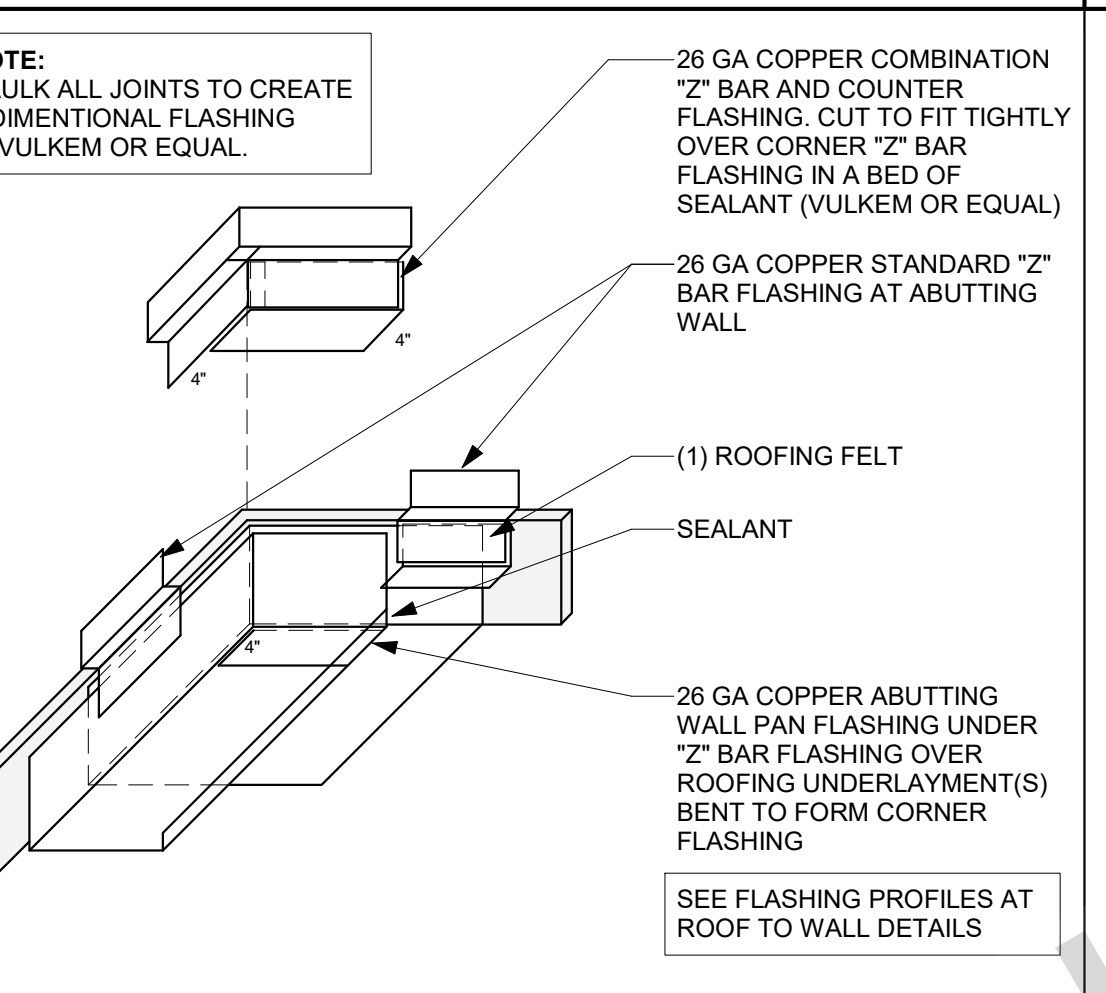
33 FLASHING - DOOR AT GRADE2

SCALE: NTS



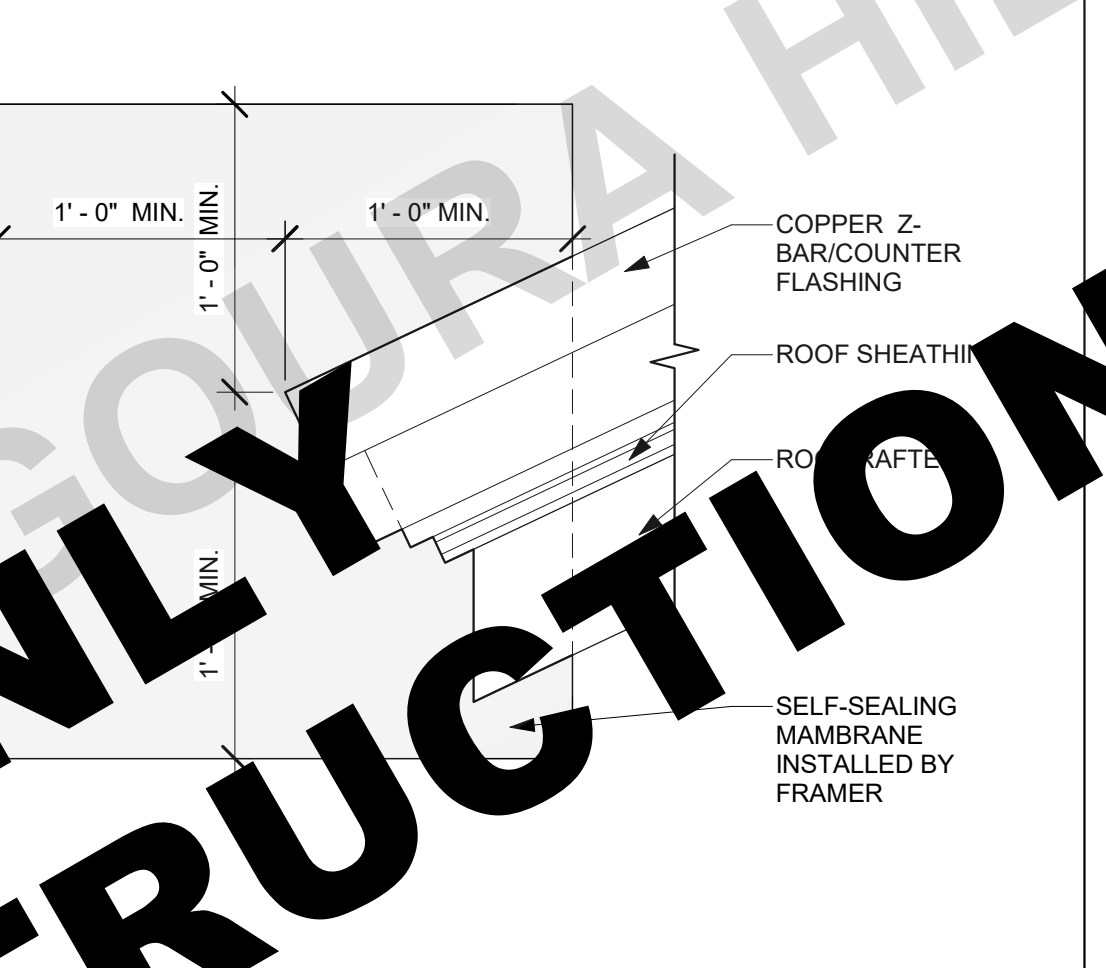
34 FLASHING - DOOR AT W.P. DECK2

SCALE: NTS



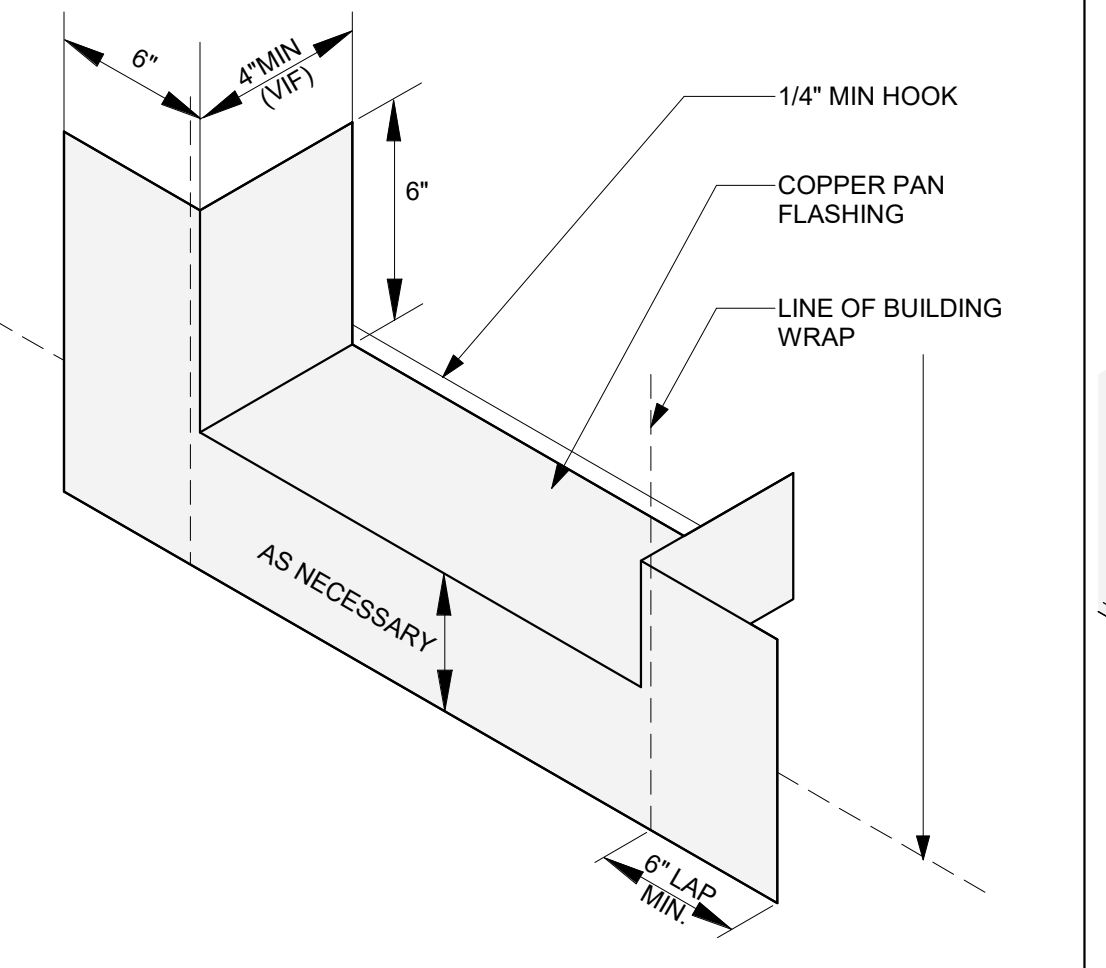
21 ROOF TO WALL TYP. FLASHING 5

SCALE: 3" = 1'-0"



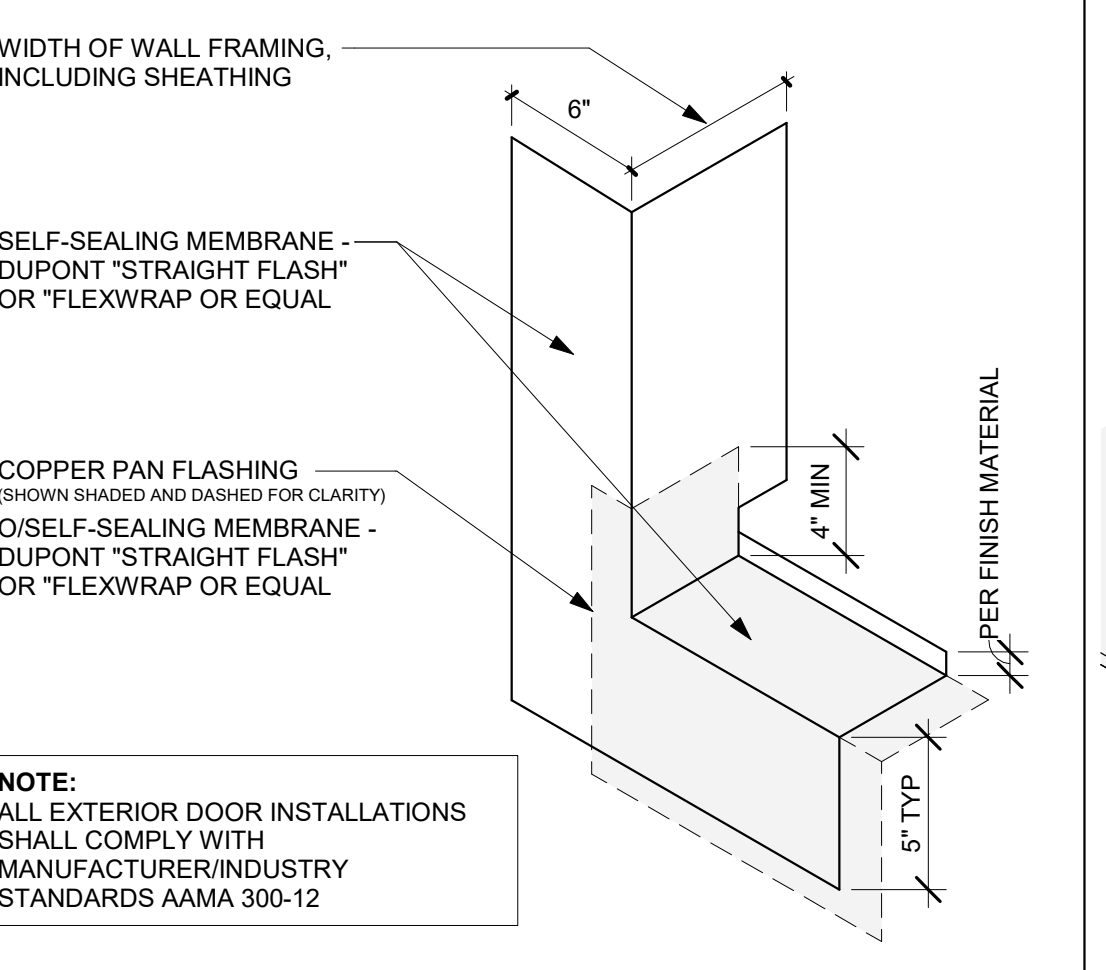
22 FLASHING - FASCIA TO WALL TYP.

SCALE: 1 1/2" = 1'-0"



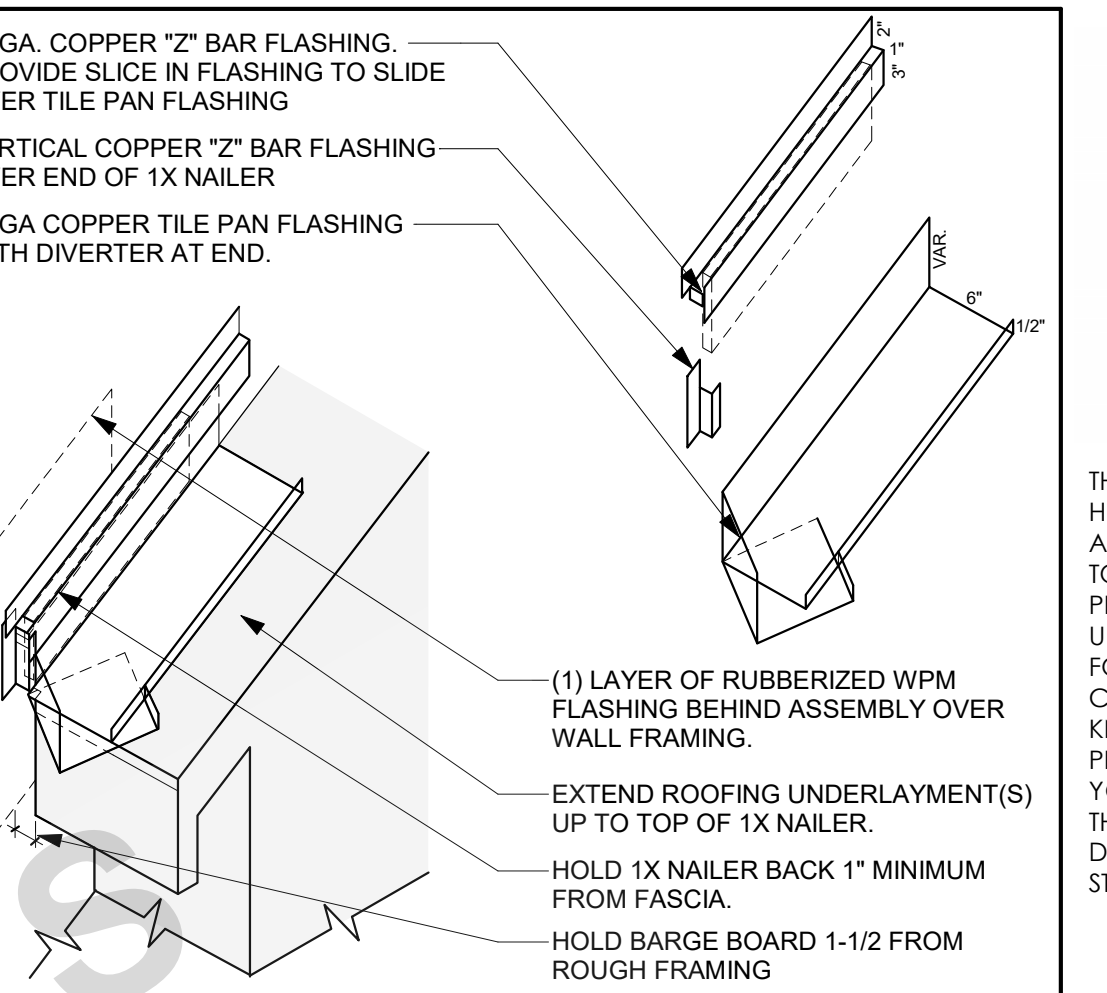
23 FLASHING PAN @ DOOR THRESHOLD

SCALE: 3" = 1'-0"



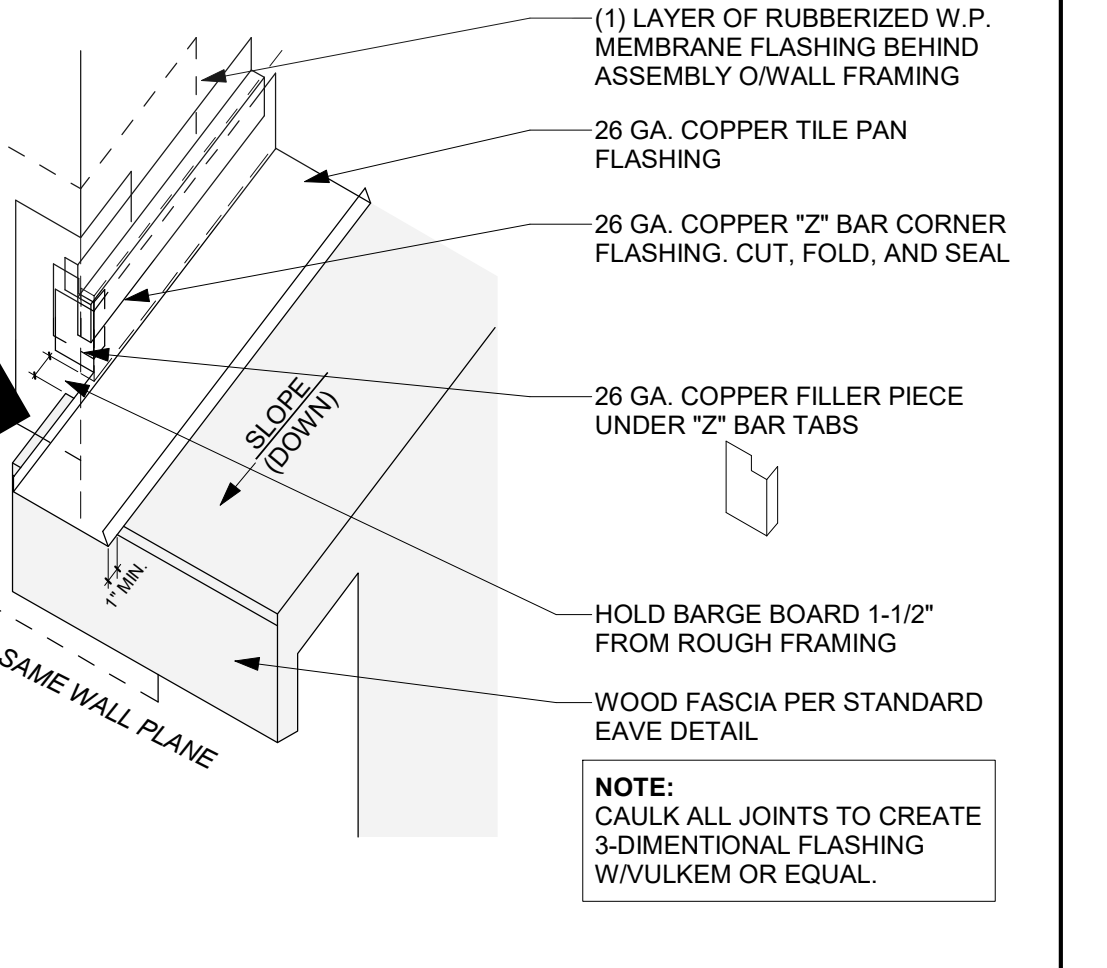
24 FLASHING - JAMB TO SILL TYP.

SCALE: 3" = 1'-0"



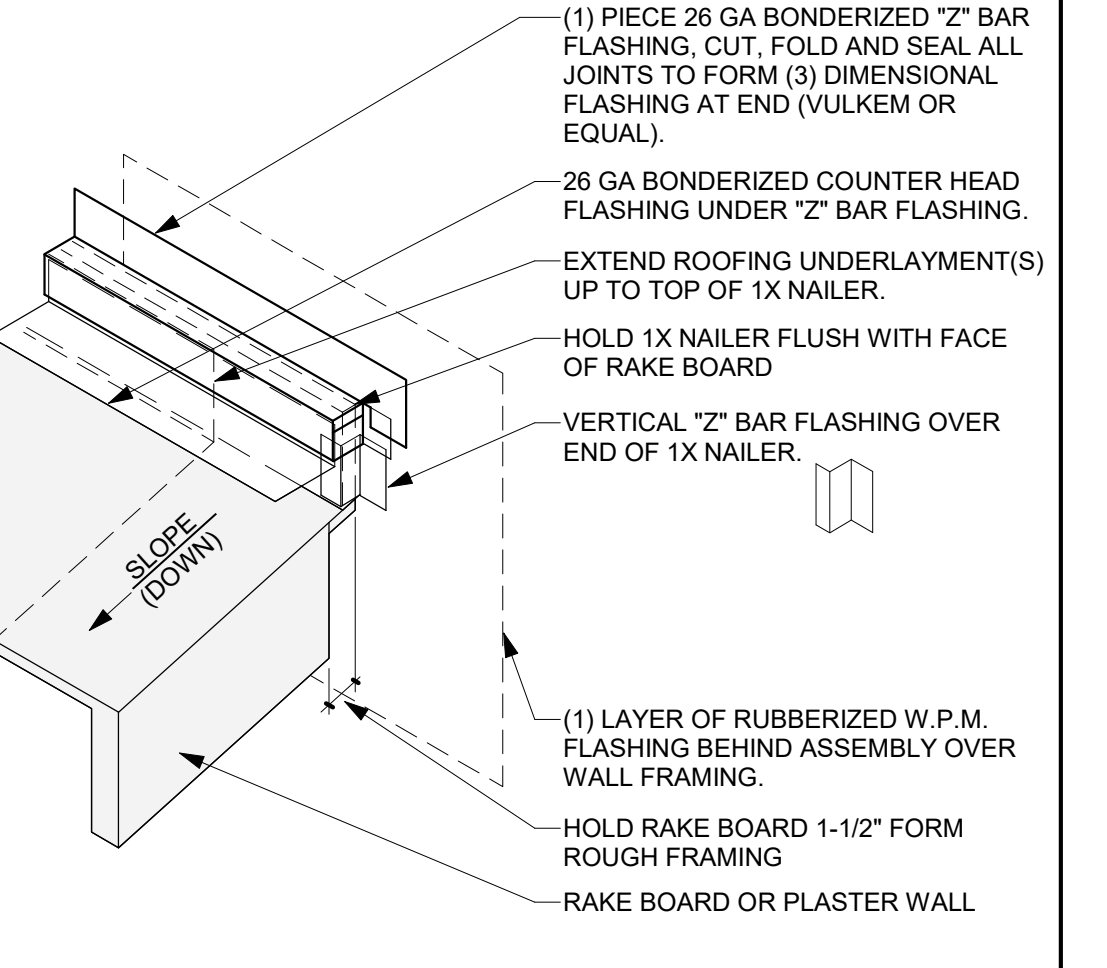
11 ROOF TO WALL TYP. FLASHING 1

SCALE: 6" = 1'-0"



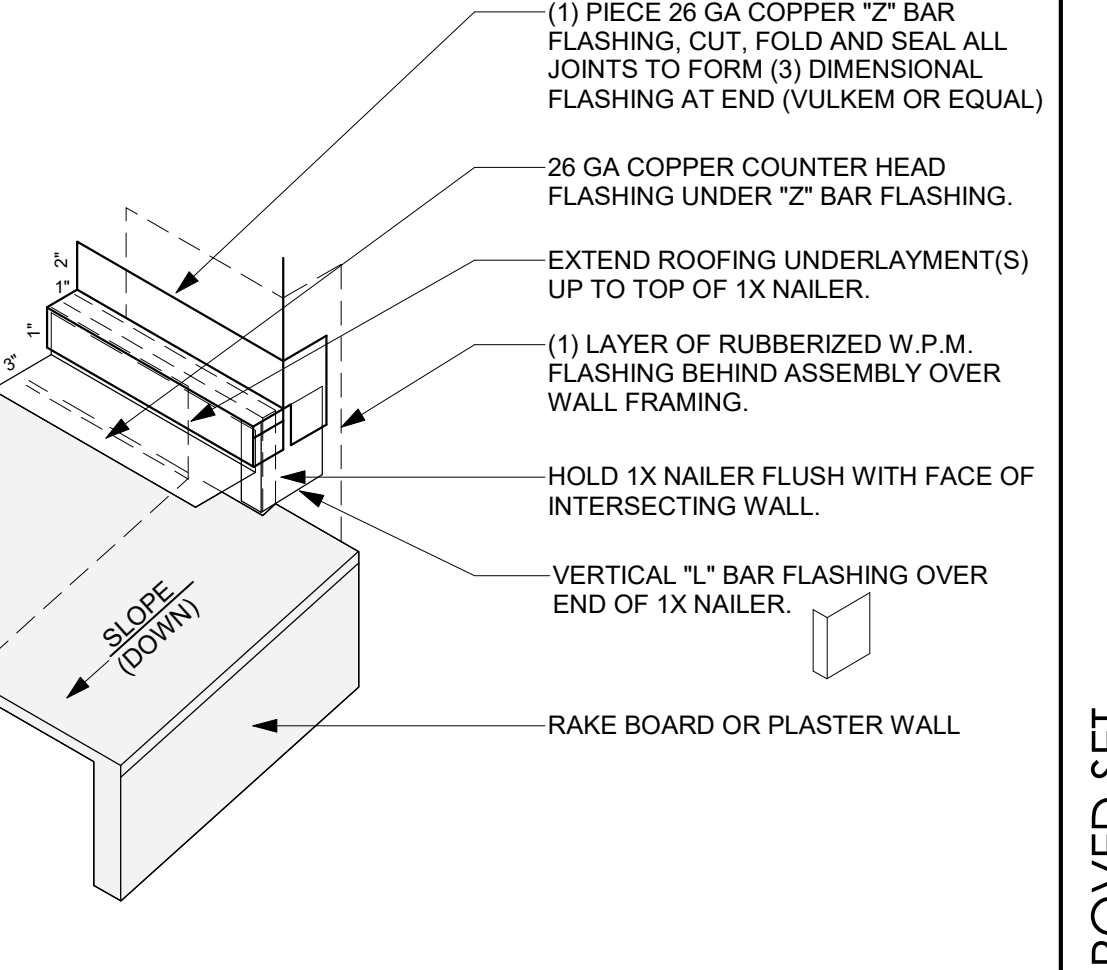
12 ROOF TO WALL TYP. FLASHING 2

SCALE: 3" = 1'-0"



13 ROOF TO WALL TYP. FLASHING 3

SCALE: 3" = 1'-0"



14 ROOF TO WALL TYP. FLASHING

SCALE: 3" = 1'-0"

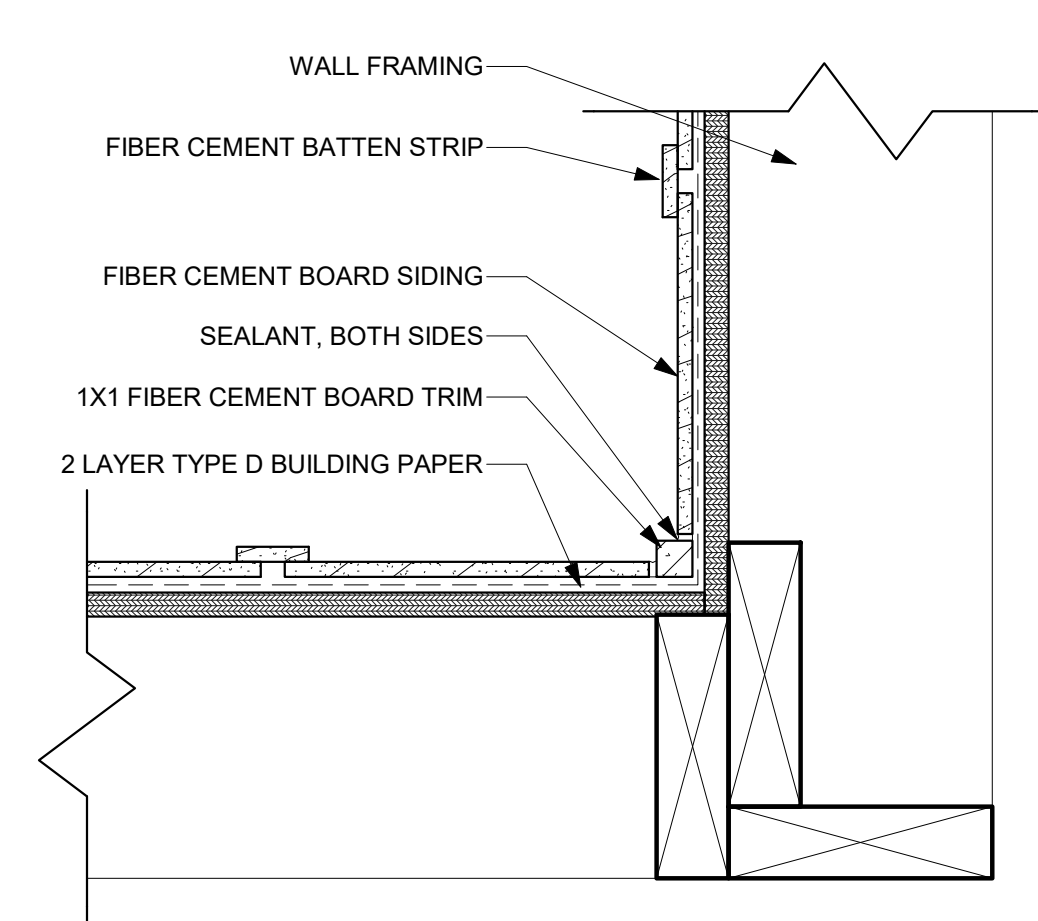
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CITY OF AGOURA HILLS
ARCHITECTURAL DETAILS - COMMON

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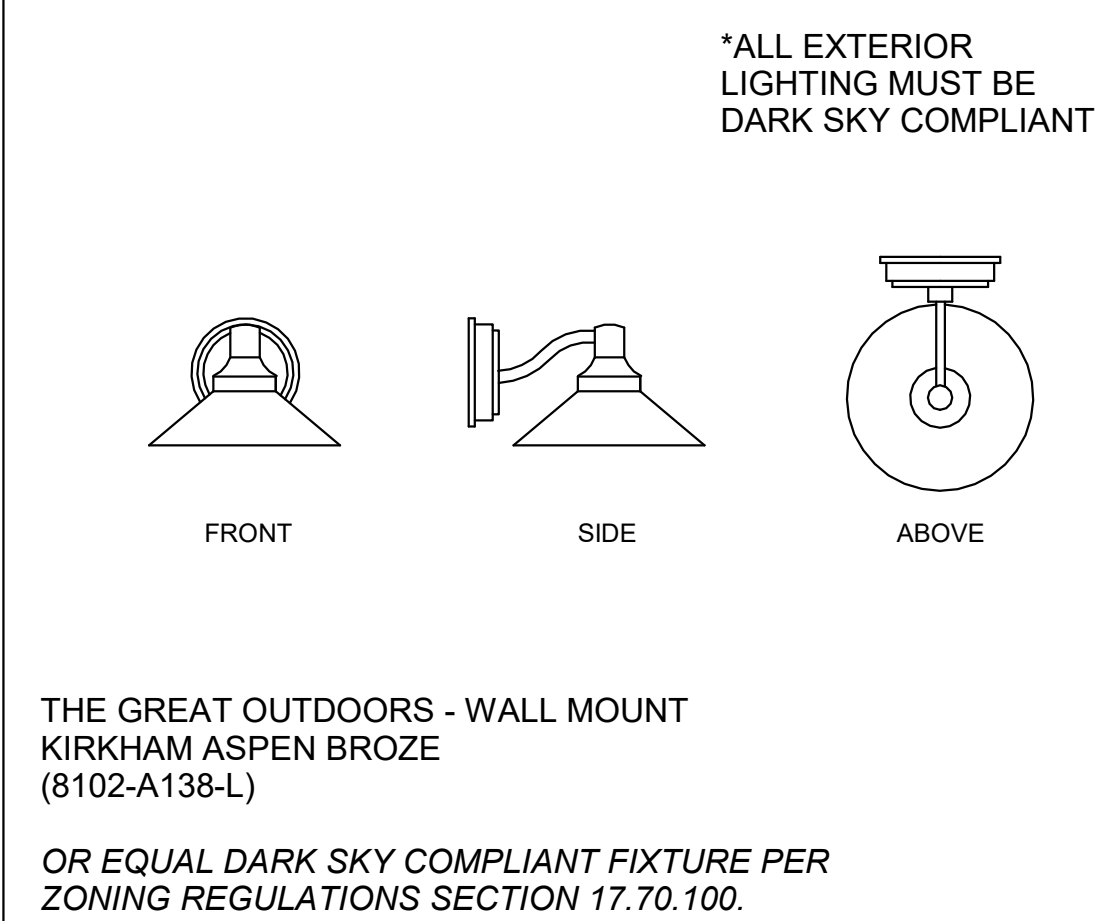
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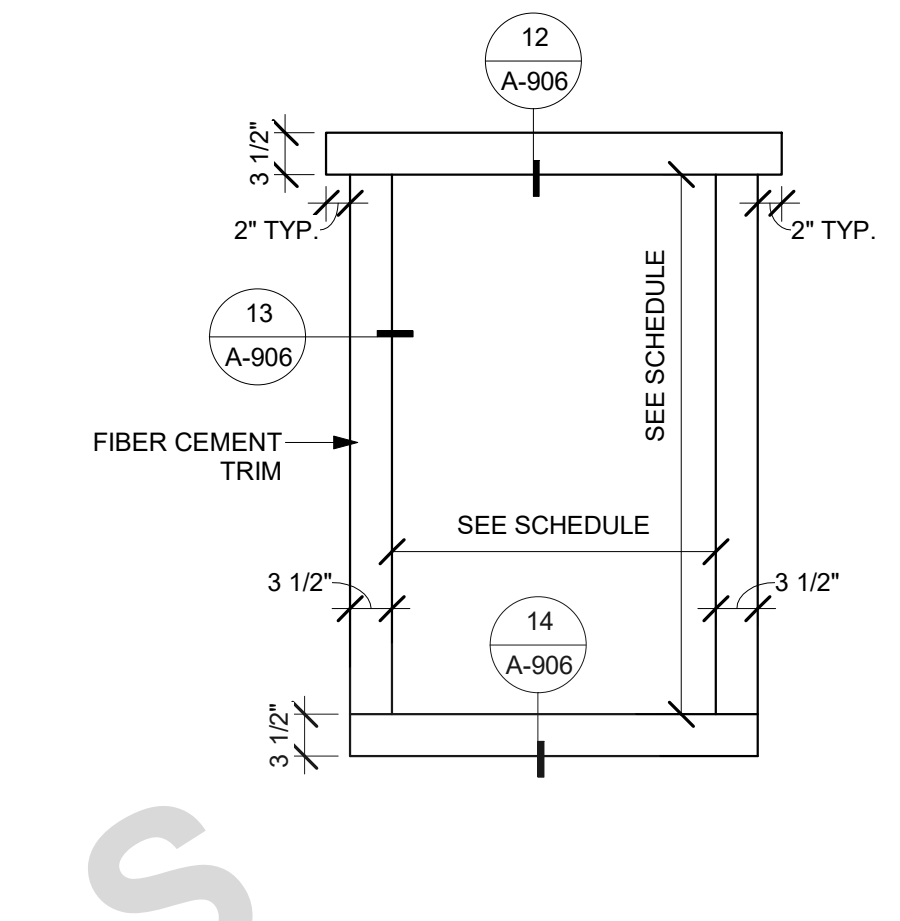
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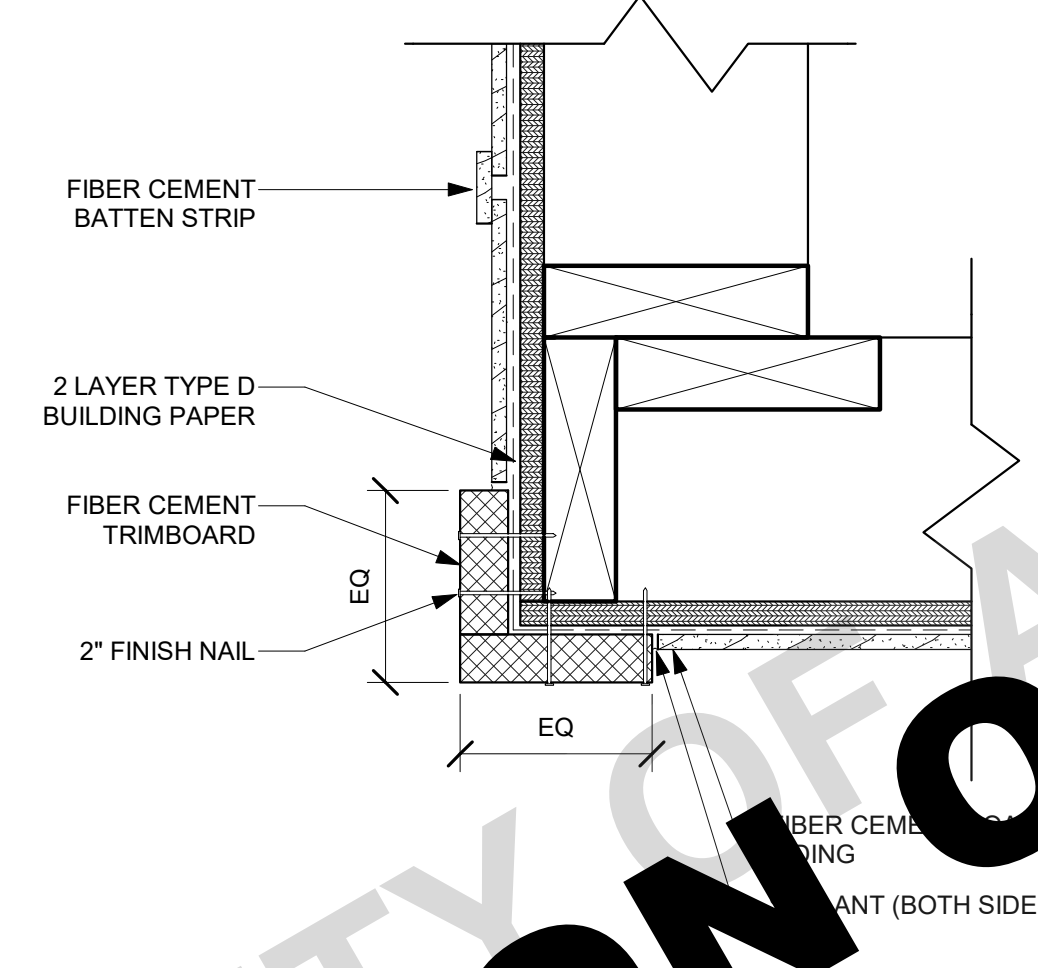
31 INSIDE CORNER TRIM
SCALE: 3" = 1'-0"



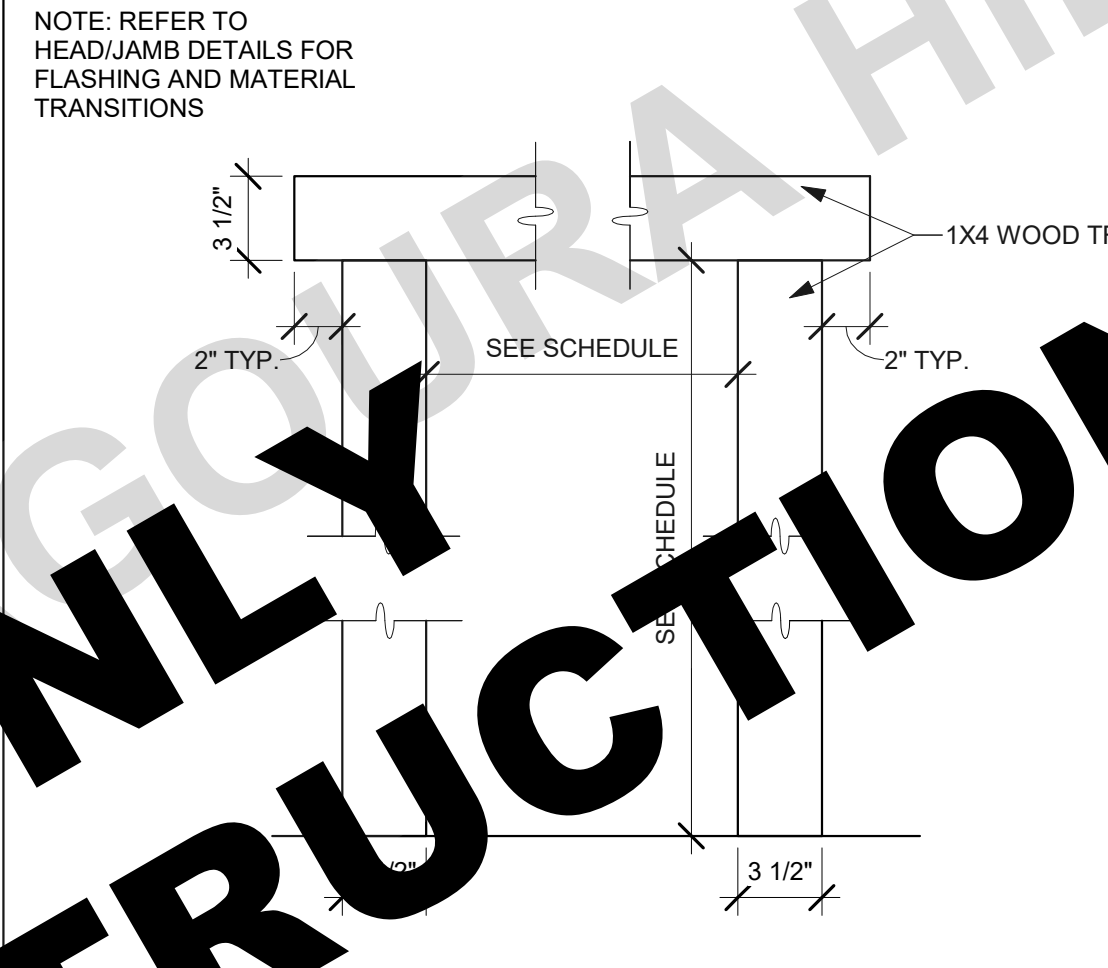
21 TYP. LIGHTING FIXTURE
SCALE: 1 1/2" = 1'-0"



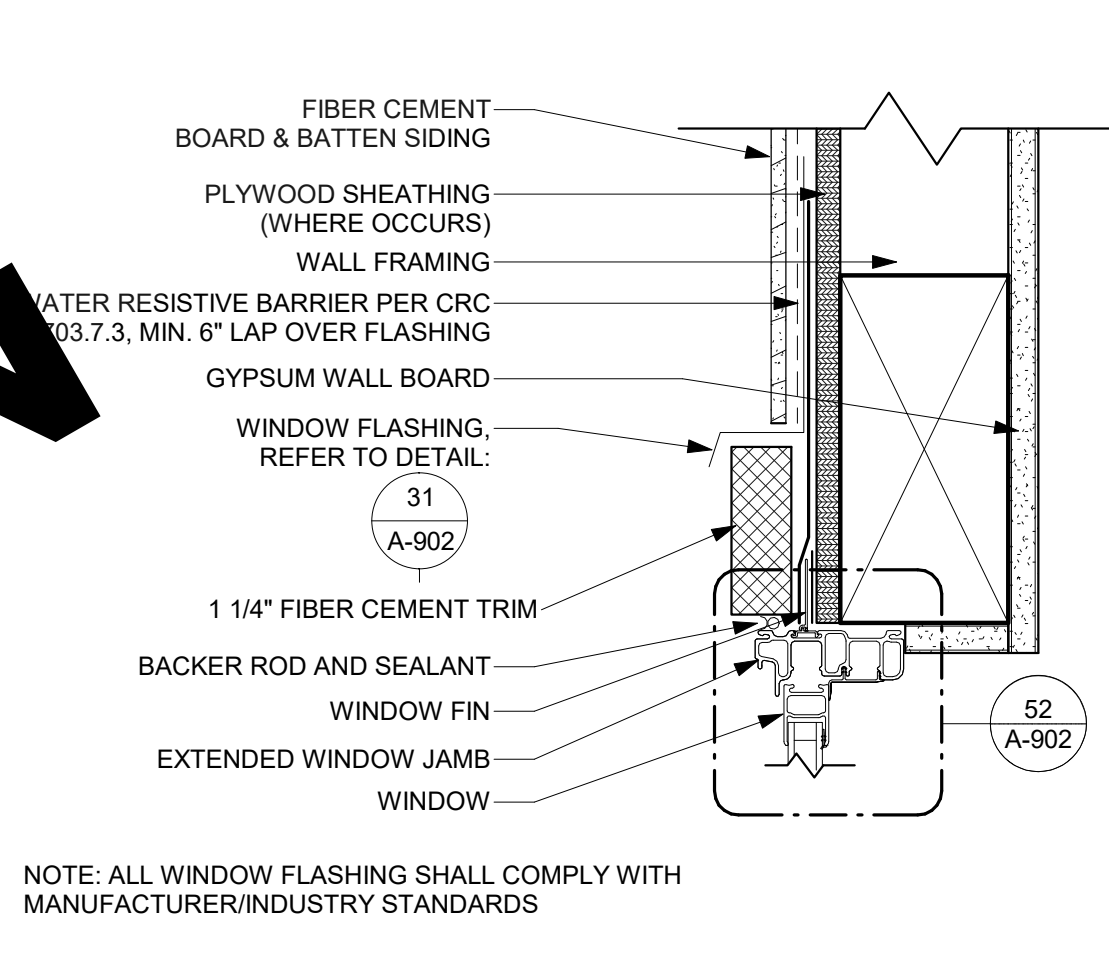
11 WINDOW TRIM
SCALE: 3/4" = 1'-0"



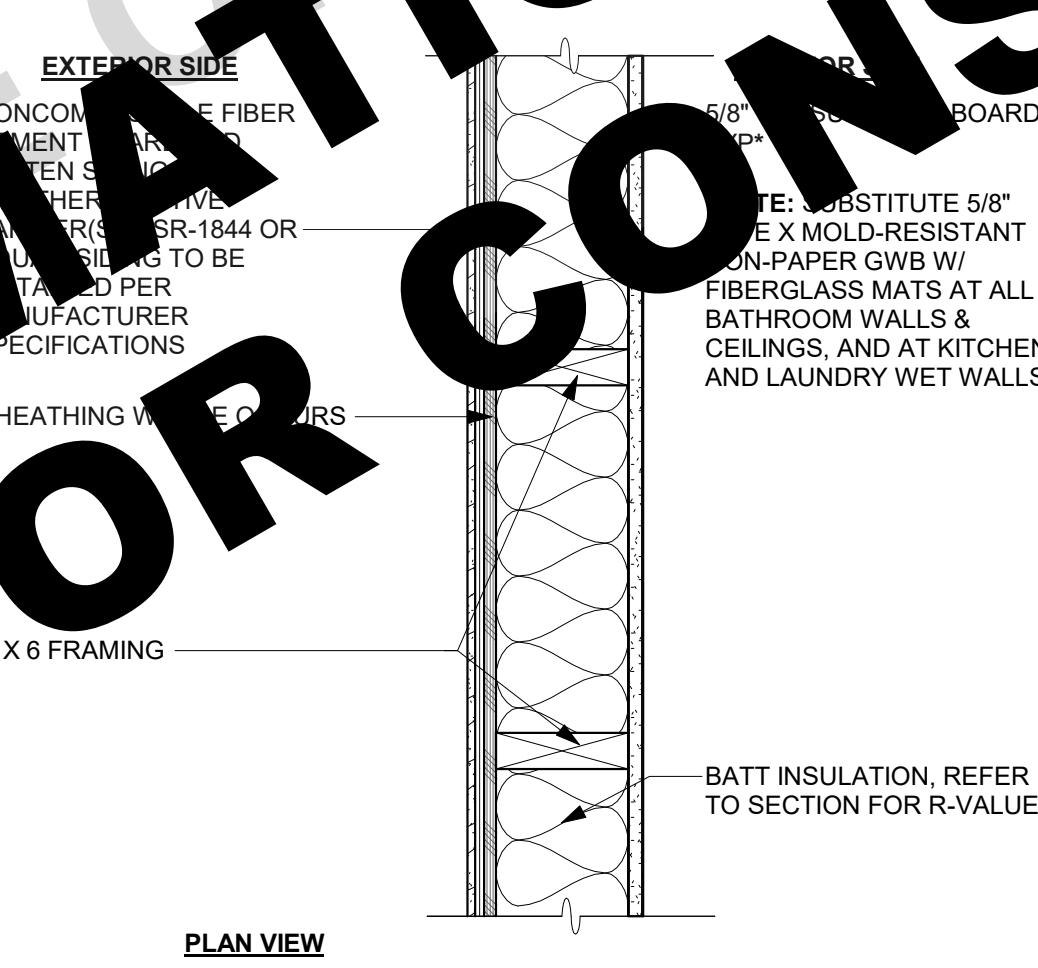
32 OUTSIDE CORNER TRIM
SCALE: 3" = 1'-0"



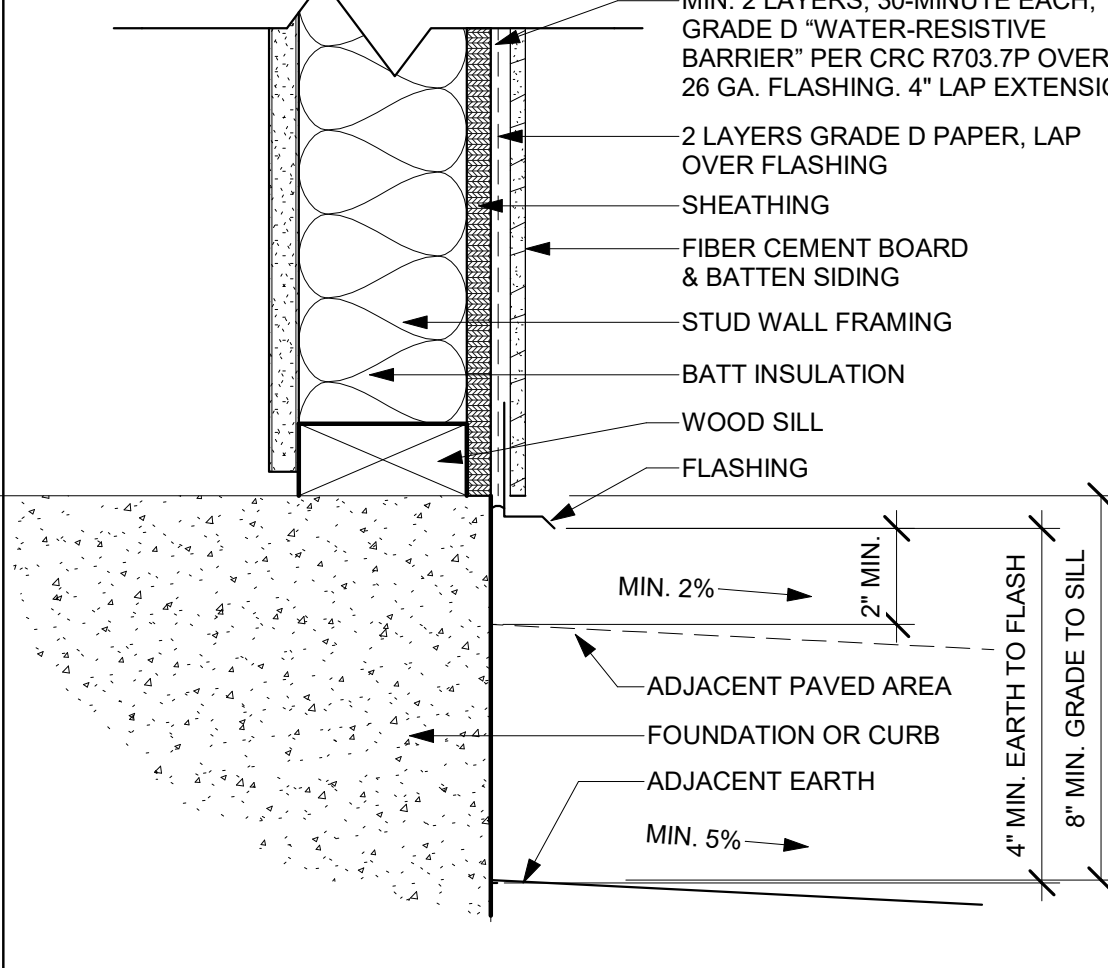
22 DOOR TRIM - RANCH
SCALE: 1 1/2" = 1'-0"



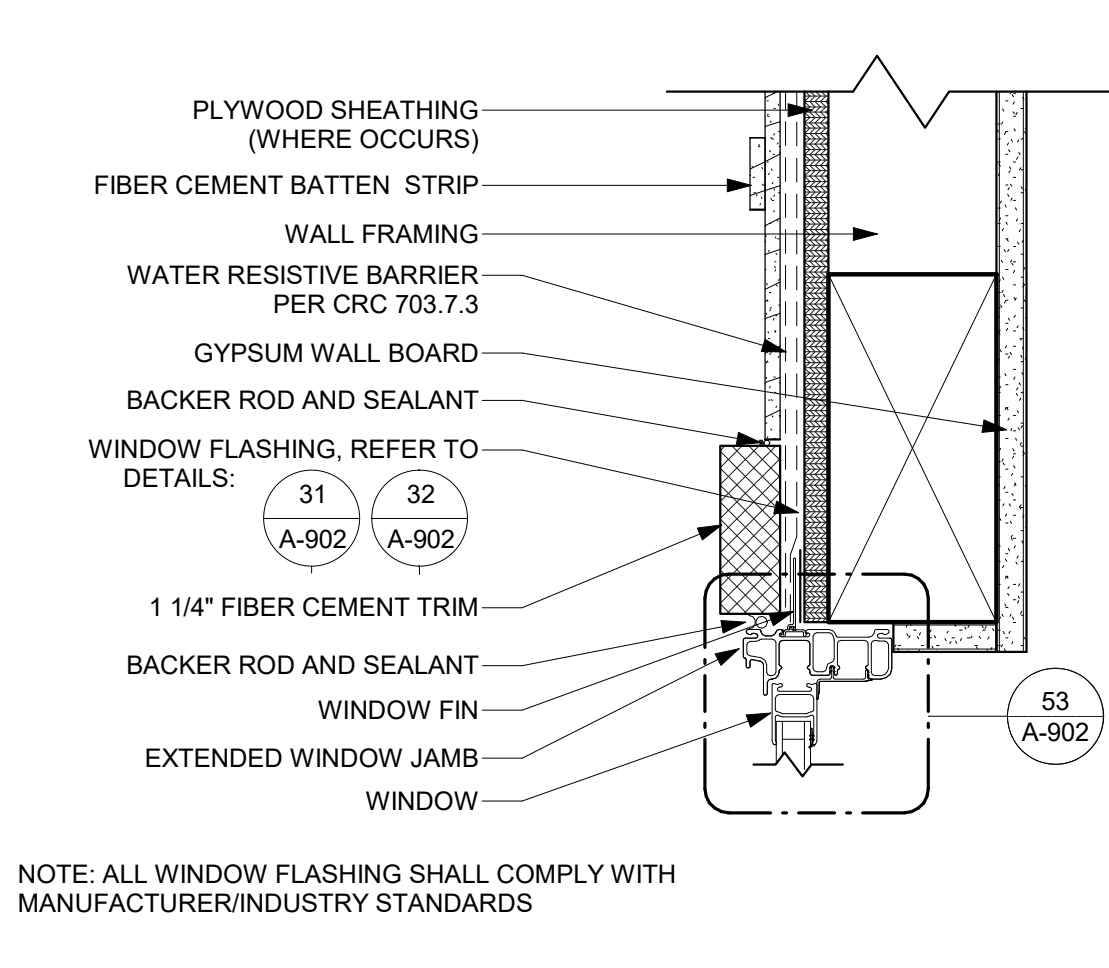
12 TYP. WINDOW HEAD - RANCH
SCALE: 3" = 1'-0"



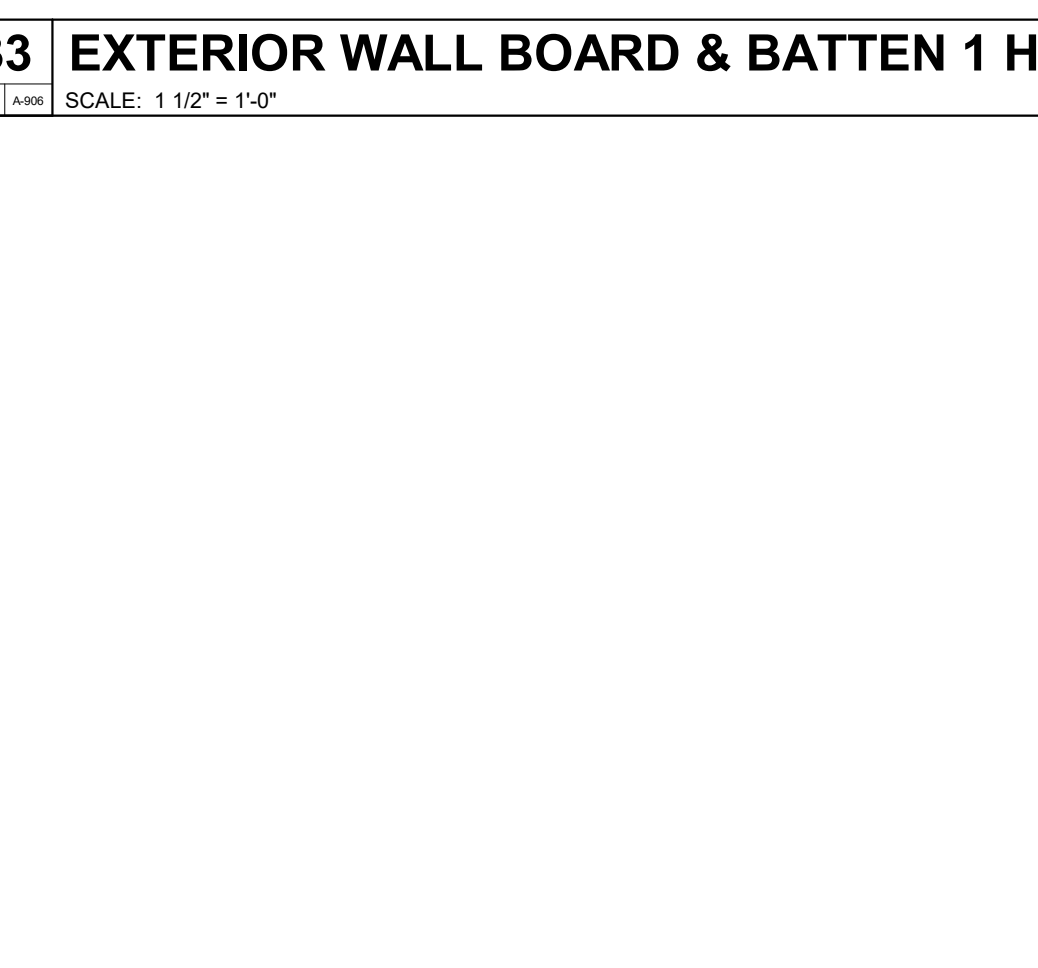
33 EXTERIOR WALL BOARD & BATTEN 1 HR
SCALE: 1 1/2" = 1'-0"



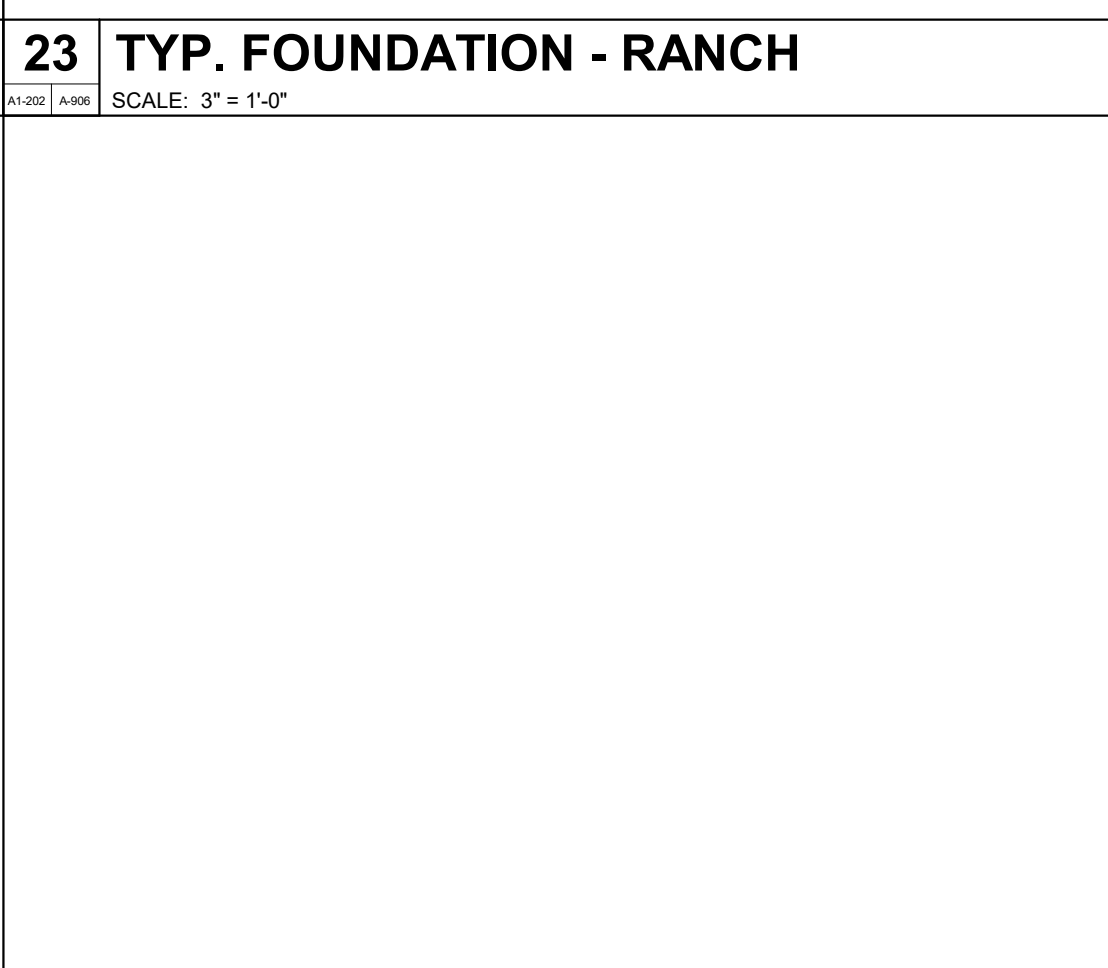
23 TYP. FOUNDATION - RANCH
SCALE: 3" = 1'-0"



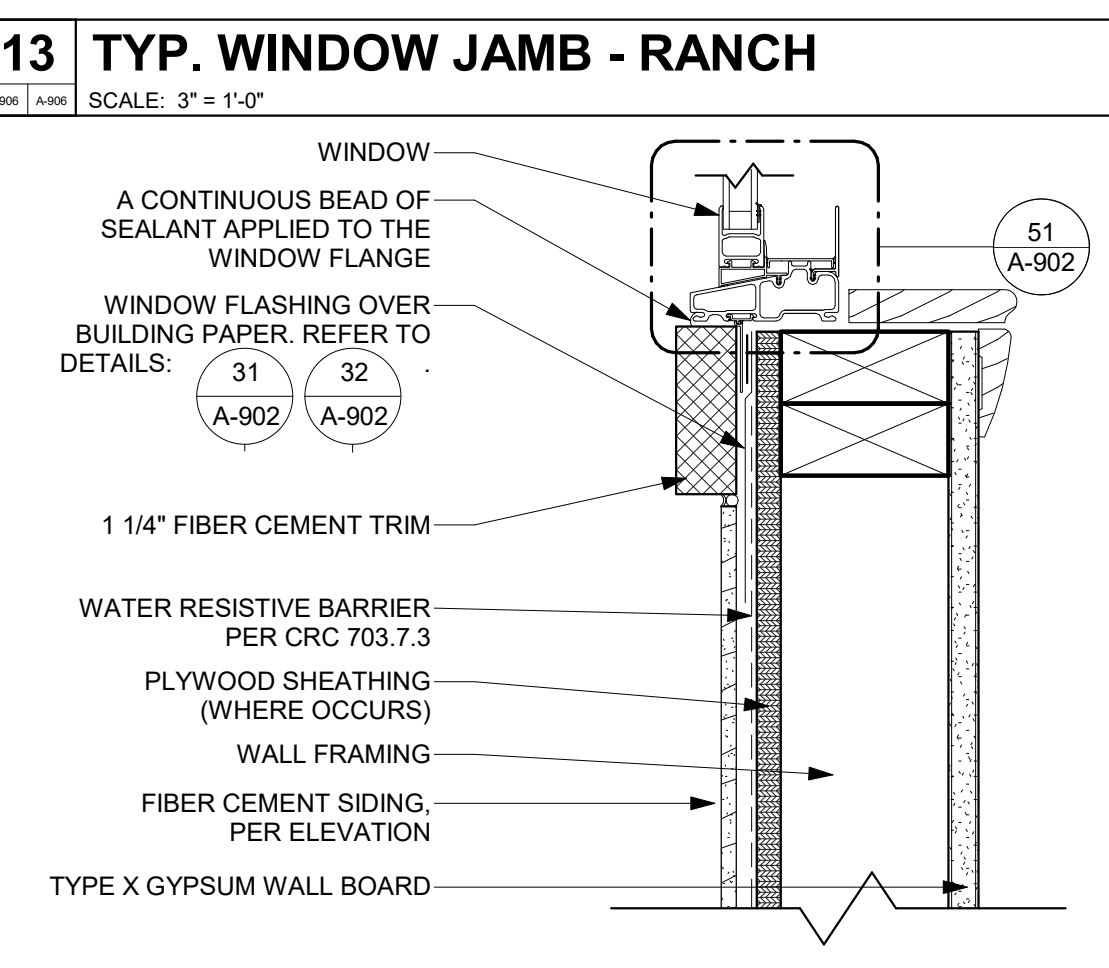
13 TYP. WINDOW JAMB - RANCH
SCALE: 3" = 1'-0"



33 EXTERIOR WALL BOARD & BATTEN 1 HR
SCALE: 1 1/2" = 1'-0"



23 TYP. FOUNDATION - RANCH
SCALE: 3" = 1'-0"



13 TYP. WINDOW JAMB - RANCH
SCALE: 3" = 1'-0"

14 TYP. WINDOW SILL - RANCH
SCALE: 3" = 1'-0"

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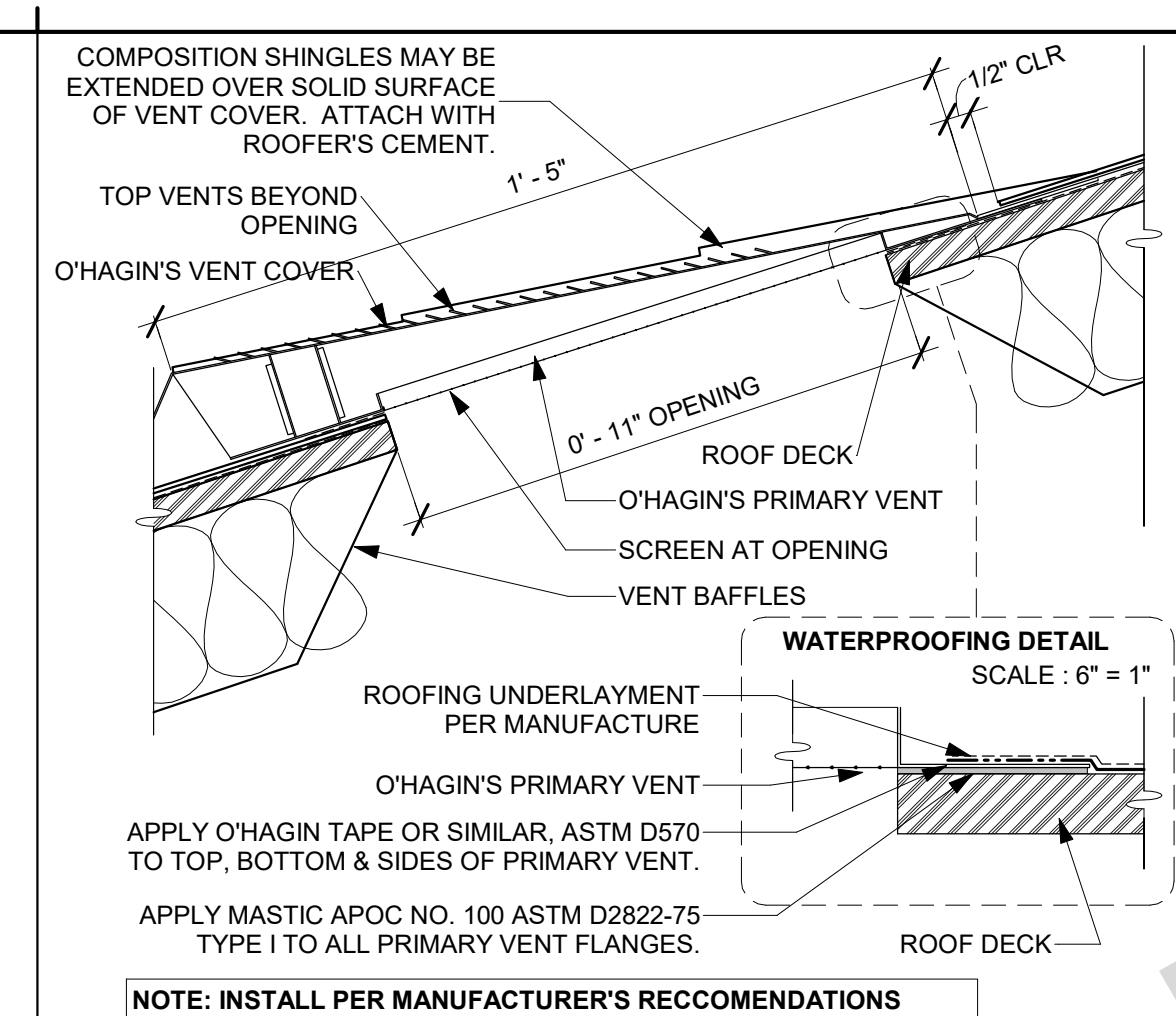
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AGOURA HILLS | ADU
CITY OF AGOURA HILLS
ARCHITECTURAL DETAILS -
RANCH

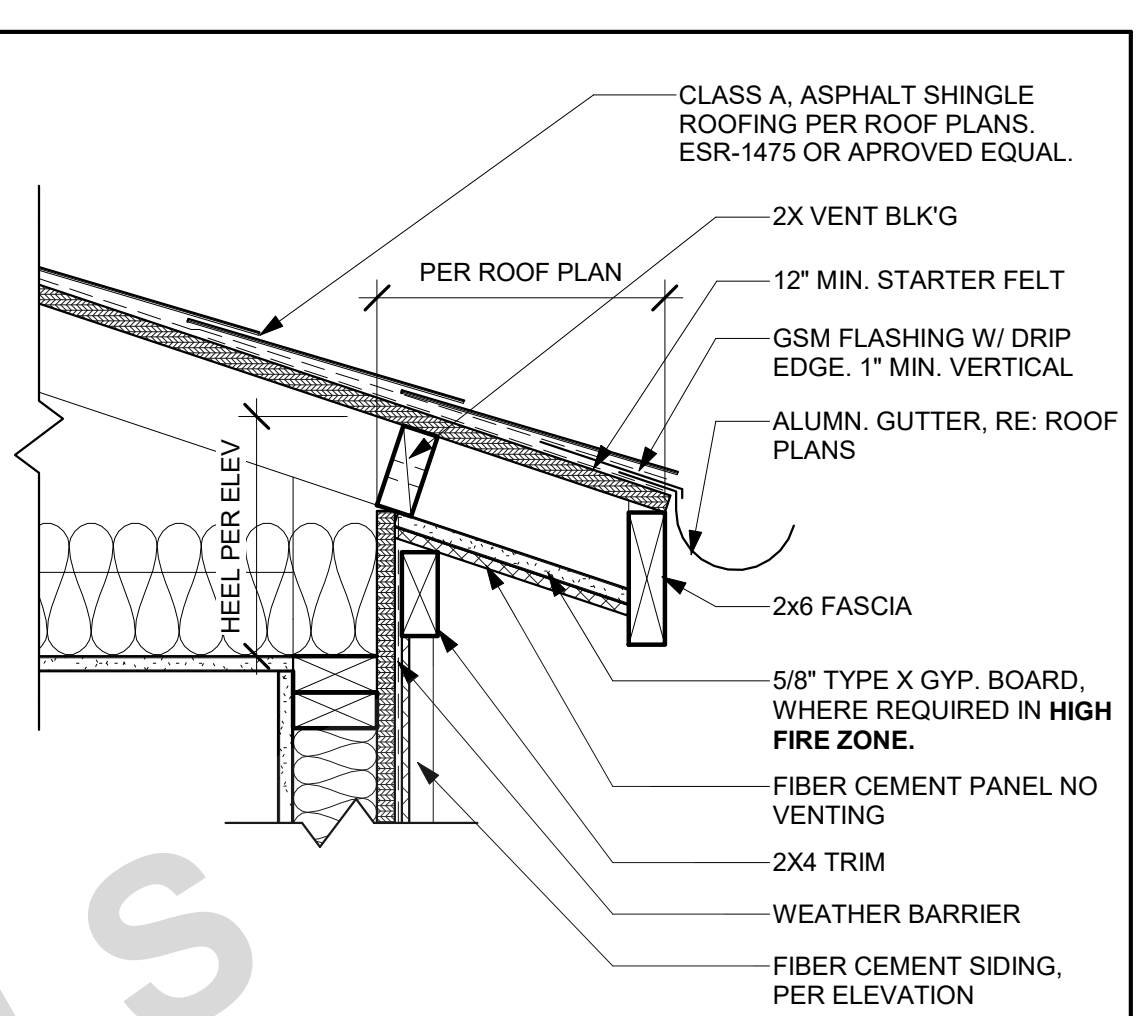
APPROVED SET

DATE
09/28/23
SHEET
A-906

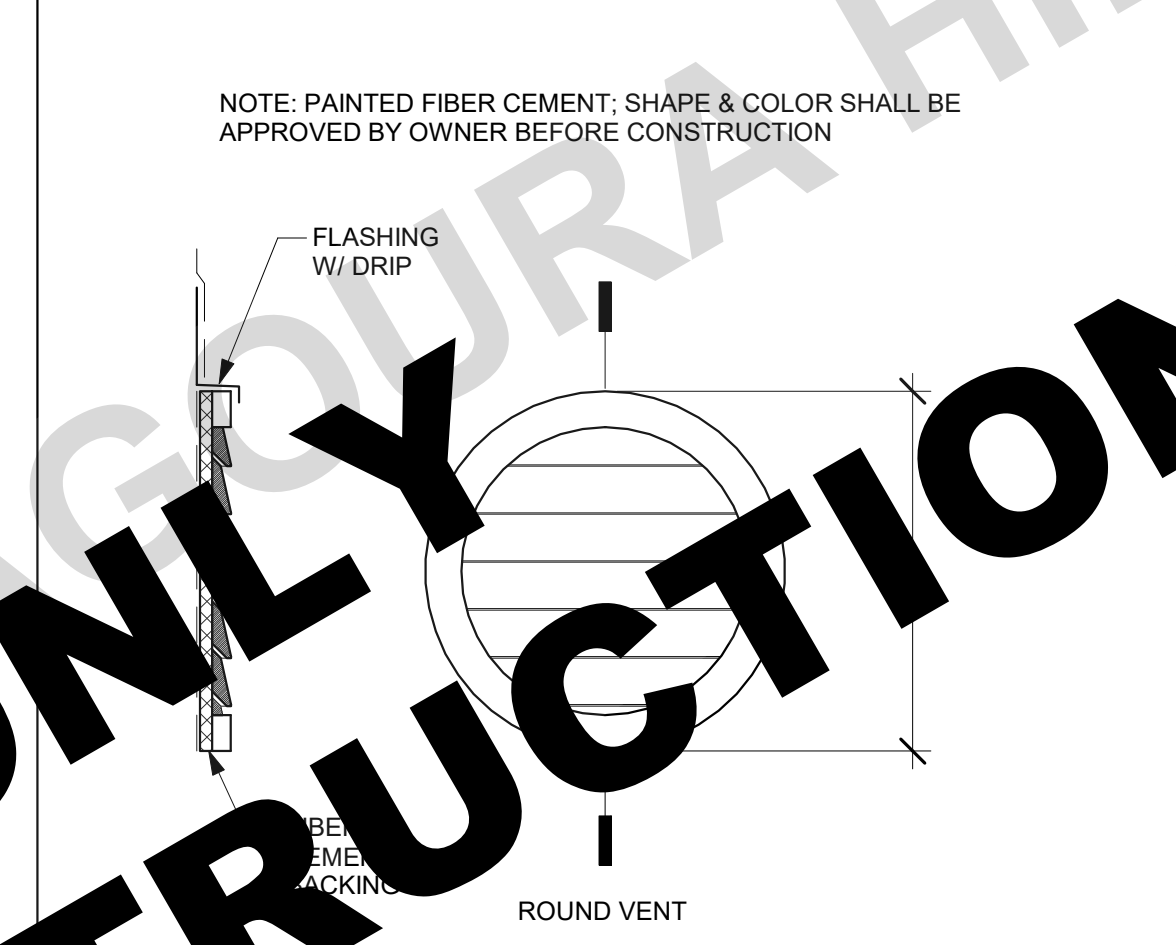
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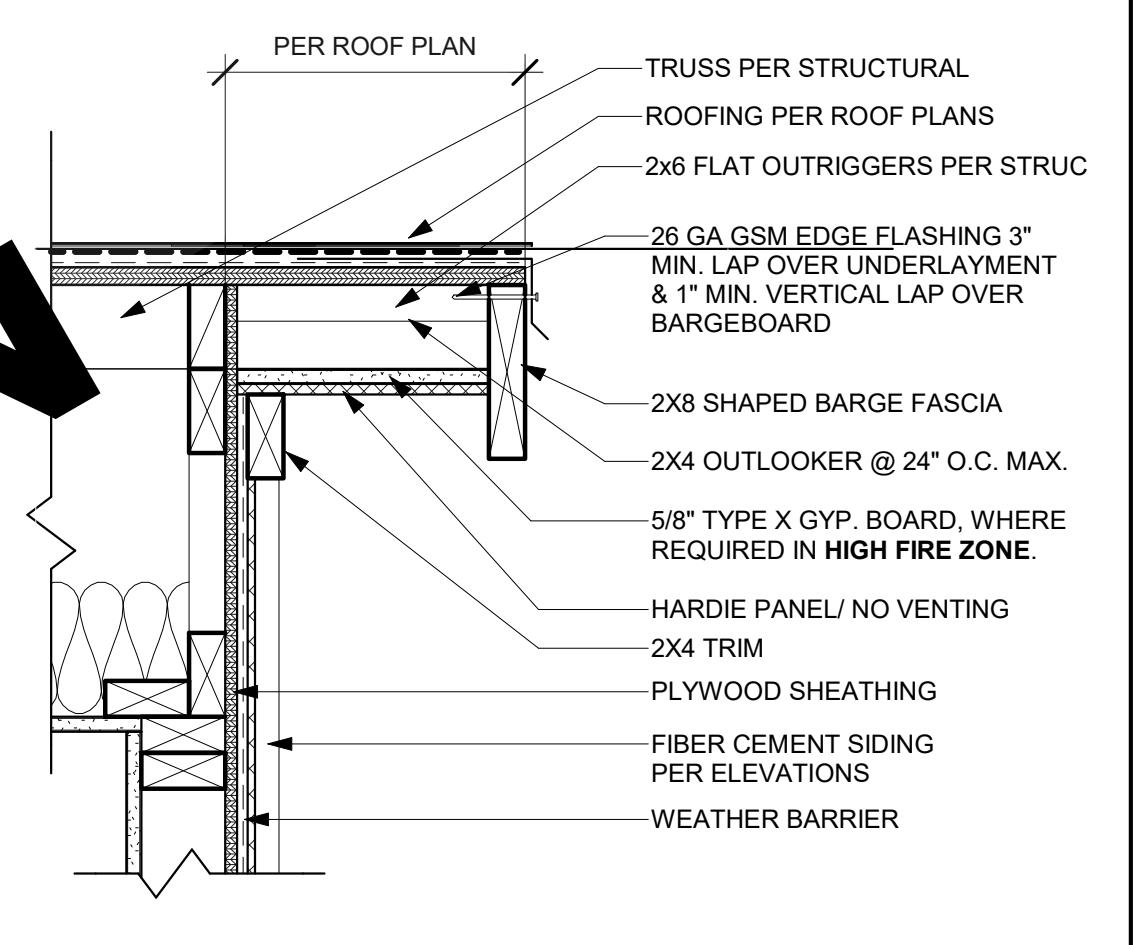
21 O'HAGIN ROOF VENT
AS102 AS101 SCALE: 3" = 1'-0"



11 EAVE @ FIBER CEMENT
AS102 AS101 SCALE: 1 1/2" = 1'-0"



12 RAKE W/ FIBER CEMENT
AS102 AS101 SCALE: 1 1/2" = 1'-0"



14 TYPICAL POST
AS102 AS101 SCALE: 3/4" = 1'-0"



20 DECORATIVE FAUX VENT
AS102 AS101 SCALE: 1 1/2" = 1'-0"

AGOURA HILLS | ADU
 CITY OF AGOURA HILLS
 ARCHITECTURAL DETAILS -
 RANCH

APPROVED SET

DATE
 09/28/23
 SHEET

A-907

FOR USE IN THE CITY OF AGOURA HILLS
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SYMBOLS

	DETAIL REFERENCE BUBBLE WITH LEADER		INDICATES SHEAR WALL TYPE AND LENGTH. PER SHEAR WALL SCHEDULE		INDICATES TOP PLATE SPLICE NAILING PER SCHEDULE
	DETAIL REFERENCE BUBBLE		INDICATES SPAN AND DIRECTION OF PREFABRICATED ROOF TRUSS (BY OTHERS)		INDICATES SHEAR WALL STRAP / HOLD-DOWN TYPE PER SCHEDULE
	FULL HEIGHT SECTION INDICATOR		INDICATES SPAN AND DIRECTION OF ROOF RAFTER OR FLOOR JOIST WITH WEB STIFFENER		INDICATES PAD FOOTING TYPE PER SCHEDULE
	ELEVATION OF WALL OR FRAME		INDICATES SPAN AND DIRECTION OF ROOF RAFTER OR FLOOR JOIST		INDICATES CONTINUOUS FOOTING TYPE PER SCHEDULE
	NORTH ARROW		INDICATES HEADER @ OPENING PER HEADER SCHEDULE		ANGLE BRACE
	TOP/BOTTOM OF ELEVATIONS		EARTH LAYER		DOUBLE ANGLE BRACE
	SLOPE		INDICATES SAND OR GROUT		DRAG STRUT CONNECTION
	WELDED WIRE FABRIC (WWF LAYER)		INDICATES GRAVEL		FULL HEIGHT STIFFENER CONNECTION
	STEPPED SURFACE: FLOOR DEPRESSION		STEEL IN CROSS SECTION		MOMENT CONNECTION
	SLOPED SURFACE		INDICATES BEARING WALL		MEMBER SPLICE
	STEPPED FOOTING		SHADED AREA INDICATES CALIFORNIA FRAMING		TOP OF STEEL ± ELEVATION
	BOTTOM STEPPED FOOTING		SHADED AREA INDICATES FOOTPRINT OF FLOOR ABOVE		NUMBER OF EVENLY SPACED SHEAR STUDS
			STEEL HSS TUBE COLUMN		SPECIAL STUD SPACING SEE TYPICAL STEEL DETAILS
			STEEL HSS OR PIPE COLUMN		BEAM CAMBER AT MID-SPAN
			WIDE FLANGE STEEL COLUMN		
			WOOD POST		

WALL TYPES

	INDICATES PLYWOOD SIDE FOR SHEARWALL
	INDICATES BEARING WOOD WALL BELOW
	INDICATES BEARING WOOD WALL ABOVE
	INDICATES NON-BEARING WOOD WALL BELOW
	INDICATES NON-BEARING WOOD WALL ABOVE
	INDICATES EXISTING BEARING WOOD WALL
	INDICATES EXISTING NON-BEARING WOOD WALL
	INDICATES BEARING CMU WALL BELOW
	INDICATES BEARING CMU WALL ABOVE
	INDICATES NON-BEARING CMU WALL BELOW
	INDICATES NON-BEARING CMU WALL ABOVE
	INDICATES EXISTING BEARING CMU WALL
	INDICATES EXISTING NON-BEARING CMU WALL
	INDICATES BEARING CONCRETE WALL BELOW
	INDICATES BEARING CONCRETE WALL ABOVE
	INDICATES NON-BEARING CONCRETE WALL BELOW
	INDICATES NON-BEARING CONCRETE WALL ABOVE
	INDICATES EXISTING BEARING CONCRETE WALL
	INDICATES EXISTING NON-BEARING CONCRETE WALL

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ABBREVIATIONS

A & B	ABOVE AND BELOW	DBL	DOUBLE	HANG	HANGER	PA	POST ABOVE	T & B	TOP AND BOTTOM
AB	ANCHOR BOLT	DEPT	DEPTH	HHP	HIGH POINT	PARA OR //	PARALLEL	T & G	TONGUE & GROOVE
ABV	ABOVE	DET	DETACHMENT	HSH	HORIZONTALLY SLOTTED HOLES	PC	PRECAST PIECE	TO	TOP OF
ACI	AMERICAN CONCRETE INSTITUTE	DF	DOWN FACE	HT	HEIGHT	PERP	PERPENDICULAR	TOC	TOP OF CURB; TOP OF CONCRETE
ADDL	ADDITIONAL	DI	DIAMETER	IF	INSIDE FACE	PLYWOOD INDEX	PLYWOOD INDEX	TOF	TOP OF FOOTING
ADJ	ADJACENT	DO	DOWN OVER	ID	INSIDE DIAMETER	R OR PL	RATE	TEMP	TEMPERATURE: TEMPORARY
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL	DI	DOWN	I-JST	I-JOIST	PL	PROPERTY LINE	THRU	THROUGH
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	DI	DOWN	IN	INCH	PLF	PONDS PER LINEAL FOOT	THK	THICKNESS/THICK
ALT	ALTERNATE	DI	DOWN	INCL	INCLUDE	PLCS	PLACES	THR	THREADED
ALUM	ALUMINIUM	DI	DOWN	INFO	INFORMATION	PLY	PLYWOOD	TOP OF 1	TOP
ANCH	ANCHOR	DWG	DRAWING	INSP	INSPECTION	PROP	PROPERTY	TOS	TOP OF STEEL/TOP OF SLAB
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	DWL	DOWEL	INT	INTERIOR	PT	PRESSURE TREATED	TOW	TOP OF WALL
APA	ENGINEERED WOOD ASSOCIATION (FORMERLY THE AMERICAN PLYWOOD ASSOCIATION)	EA	EACH	INT	INTERIOR	PW	PLATE WASHER	TS	TRIMMER STUD
APPVD	APPROVED	EF	EACH FACE	JST	JOIST	PJP	PARTIAL JOINT PENETRATION WELD	TYP	TYPICAL
APPROX	APPROXIMATE	EF	EACH FACE	JT	JOINT	PREFAB	PREFABRICATED	UNO	UNLESS NOTED OTHERWISE
ARCH	ARCHITECTURAL; ARCHITECT	EF	EACH FACE	K	KIPS	PSF	POUNDS PER SQUARE FOOT	UT	ULTRA-SONIC TEST
AWPA	AMERICAN WOOD PRESERVERS ASSOCIATION	EF	EACH FACE	KS	KING STUD	PSI	POUNDS PER SQUARE INCH	VERT	VERTICAL
AWS	AMERICAN WELDING SOCIETY	EF	EACH FACE	KP	KING POST	PSL	PARALLEL STRAND LUMBER	VSH	VERTICAL SLOTTED HOLES
ATIC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION	EF	EACH FACE	KSI	KIPS PER SQUARE INCH	PVMT	PAVEMENT	W/	WITH
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	EF	EACH FACE	LB(S) OR #	POUND(S)	#	POUND; NUMBER	W/O	WITHOUT
BLDG	BUILDING	EMBED	EMBEDMENT	LF	LINEAL FOOT	REF	REFERENCE	WO	WHERE OCCURS
BLK	BLOCK	EN	EDGE NAIL	LN	LINEAL: LINEAR	REINF	REINFORCE: REINFORCING	WD	WOOD
BLKG	BLOCKING	ENGR	ENGINEER	LH	LONG LEG HORIZONTAL	REQD	REQUIRED	WP	WORK POINT; WATERPROOF
BM	BEAM	EQ	EQUAL OR EQUIVALENT	LLV	LONG LEG VERTICAL	RF	ROOF	WWF	WELDED WIRE FABRIC
BN	BOUNDARY NAIL	EQ	EQUAL OR EQUIVALENT	LP	LOW POINT	RR	ROOF RAFTER		
BOT OR B	BOTTOM	EW	EACH WAY	LSH	LONG SLOTTED HOLES	Ø	ROUND; DIAMETER		
BRC	BRACE	EXIST or (E)	EXISTING	LSL	LAMINATED STRAND LUMBER	SCHED	SCHEDULE	W	W SHAPE
BRG	BEARING	EXT	EXTERIOR	LT WT	LIGHTWEIGHT	SECT	SECTION	C	AMERICAN STD CHANNEL SHAPE
BTRN	BETWEEN	EXT	EXTERIOR	LVL	LEVEL OR LAMINATED VENEER LUMBER	SECT	SECTION	MC	MISC CHANNEL SHAPE
CANT	CANTILEVER	FDN	FOUNDATION	MAS	MASONRY	SH	SHEET	L	ANGLE SHAPE
CAM OR C	CAMBER	FIN	FINISH	MATL	MATERIAL	SHG	SHEATHING	WT, ST, MT	STRUCT TEE SHAPE
CC	CENTER TO CENTER	FJ	FLOOR JOIST	MAX	MAXIMUM	SIM	SMILAR	PIPE	STANDARD PIPE SHAPE
CG	CENTER OF GRAVITY	FLG	FLANGE	MB	MACHINE BOLT	SOG	SLAB ON GRADE	PIPE-X	EXTRA STRONG PIPE SHAPE
CIP	CAST-IN-PLACE	FLR	FLOOR	MECH	MECHANICAL	SN	SHEAR NAIL	PIPE-XX	DBL EXTRA STRONG PIPE SHAPE
CJ	CONSTRUCTION JOINT; CONTROL JOINT	FN	FIELD NAIL	MFR	MANUFACTURER	SPCG	SPACING	HSS	HOLLOW STRUCTURAL SECTION
CL	CENTER LINE	FOC	FACE OF CONCRETE	MIN	MINIMUM; MINUTE	SPCS	SPECIFICATIONS		
CLR	CLEARANCE; CLEAR	FOM	FACE OF MASONRY	MISC	MISCELLANEOUS	SS	STAINLESS STEEL		
CMU	CONCRETE MASONRY UNIT	FOS	FACE OF STUD	(N)	NEW	SSL	SHORT SLOTTED HOLES		
COL	COLUMN	FOW	FACE OF WALL	NTS	NOT TO SCALE	STD	STANDARD		
COMP	COMPRESSION	FRMG	FRAMING	NO or #	NUMBER	STGR	STAGGER		
CONC	CONCRETE	FT	FOOT; FEET	OC	ON CENTER	STIFF	STIFFENERS		
CONN	CONNECTION; CONNECT	FTA	FLOOR TIE ABOVE	OD	OUTSIDE DIAMETER	STIR	STIRRUP		
CONSTR	CONSTRUCTION	FTG	FOOTING	OF	OUTSIDE FACE	STL	STEEL		
CONT	CONTINUE; CONTINUOUS	GA	GAUGE	OH	OPPOSITE HAND	STRUCT	STRUCTURAL		
CONTR	CONTRACTOR	GALV	GALVANIZED	OPNG	OPENING	SW	SHEAR WALL		
CJP	COMPLETE JOINT PENETRATION WELD	GB	GRADE BEAM	OPP	OPPOSITE	SYM	SYMMETRICAL		
CTR	CENTER	GLB	GLUED LAMINATED BEAM	ORIG	ORIGINAL	TB	TIE BEAM		
CTS	COUNTERSINK; COUNTERSUNK	GR	GRADE	OSB	ORIENTED STRAND BOARD				
CU FT	CUBIC FOOT	GRND	GROUND						
		H or HORIZ	HORIZONTAL						

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SHEET INDEX,
ABBREVIATIONS, & SYMBOLS

DATE
09/28/23

SHEET
S1-101

THESE PLANS ARE PROVIDED BY THE CITY OF AGOURA HILLS AS PART OF THE PRE-APPROVED ADU PROGRAM AND ARE PUBLIC DOMAIN. THERE CANNOT BE A CHARGE TO PROVIDE THESE PLANS. NO ALTERATIONS TO THESE PLANS ARE ALLOWED. ALL ALTERATIONS MUST BE DONE UNDER A SEPARATE PERMIT ONCE THE BUILDING PERMIT FOR THE ADU HAS BEEN ISSUED AND FINAL INSPECTION COMPLETED. IF YOU DO NOT HAVE THE CONSTRUCTION KNOWLEDGE AND EXPERIENCE TO CONTRACT THESE PLANS WITHOUT FURTHER DETAILS, IT IS RECOMMENDED YOU HIRE A CONTRACTOR TO DO THE CONSTRUCTION. THE CITY WILL NOT PROVIDE FURTHER INFORMATION OR DETAILS AND BUILDING INSPECTORS WILL NOT PROVIDE STEP BY STEP INSTRUCTIONS IN THE FIELD.

REQUIRED VERIFICATION AND INSPECTIONS

WOOD CODE CHAPTER 17 AND REFERENCED 2018 NDS AND AWC SDPW5-2015			
SPECIAL INSPECTION OR TEST	CONTINUOUS	PERIODIC	CBC REFERENCE
4. WOOD LATERAL FORCE-RESISTING SYSTEM WITH FASTENER SPACING OF THE SHEATHING GREATER THAN 4" O.C. (NOT REQUIRED) - WOOD SHEAR WALLS - WOOD DIAPHRAGMS - DRAG STRUTS - SHEAR PANELS - HOLD-DOWNS			1705.13.2

SOILS CODE TABLE 1705.6			
SPECIAL INSPECTION OR TEST	CONTINUOUS	PERIODIC	CBC REFERENCE
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.		X	
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS		X	
4. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.		X	
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.		X	

CONCRETE CONSTRUCTION CODE TABLE 1705.3				
SPECIAL INSPECTION OR TEST	CONTINUOUS	PERIODIC	REFERENCED STANDARD	CBC REFERENCE
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS (a) ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS (b) MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a.	X		ACI 318: 26.7.1 ACI 318: 26.7.1	

STATEMENT OF SPECIAL INSPECTIONS

- THIS STATEMENT OF SPECIAL INSPECTIONS HAS BEEN PREPARED PURSUANT TO SECTION 1704.3 OF THE CODE. THIS SECTION DETAILS BOTH REQUIRED SPECIAL INSPECTIONS AND TESTS INCLUDING TESTING PER SECTION 1705 OF THE CODE. THE FOLLOWING SHALL BE OBSERVED DURING THEIR IMPLEMENTATION:
 - GENERAL:**
 - STRUCTURAL VERIFICATIONS, INSPECTIONS AND TESTS SHALL BE PERFORMED IN ACCORDANCE WITH CHAPTER 17 OF THE CODE AND/OR THE APPLICABLE REFERENCE STANDARD.
 - OWNER REQUIREMENTS:**
 - THE OWNER OR OWNER'S AGENT SHALL EMPLOY ONE OR MORE APPROVED AGENCIES TO PERFORM INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED IN SECTION 1705 OF THE CODE AND IN THIS STATEMENT OF INSPECTIONS.
 - SPECIAL INSPECTOR QUALIFICATIONS:**
 - THE SPECIAL INSPECTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO THE BUILDING OFFICIAL DEMONSTRATING HIS OR HER COMPETENCE AND RELEVANT EXPERIENCE OR TRAINING. THE EXPERIENCE OR TRAINING SHALL BE CONSIDERED RELEVANT WHEN THE DOCUMENTED EXPERIENCE OR TRAINING IS RELATED IN COMPLEXITY TO THE SAME TYPE OF SPECIAL INSPECTION ACTIVITIES FOR PROJECTS OF SIMILAR COMPLEXITY AND MATERIAL QUANTITIES.
 - CONTRACTOR REQUIREMENTS:**
 - SPECIAL INSPECTION IS IN ADDITION TO THE CONTRACTOR'S QUALITY CONTROL INSPECTIONS AND TESTING. THE CONTRACTOR'S QUALITY CONTROL INSPECTIONS AND TESTING SHALL OCCUR PRIOR TO SPECIAL INSPECTION AND REPORTS SHALL BE AVAILABLE TO THE SPECIAL INSPECTOR.
 - THE CONTRACTOR SHALL ENSURE THAT THE WORK FOR WHICH SPECIAL INSPECTION IS REQUIRED REMAINS ACCESSIBLE AND EXPOSED FOR SPECIAL INSPECTION PURPOSES UNTIL COMPLETION OF THE REQUIRED SPECIAL INSPECTION.
 - ANY CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF THE MAIN WIND OR SEISMIC FORCE RESISTING SYSTEM SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND OWNER PRIOR TO COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL INSPECTION REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS.
 - SPECIAL INSPECTOR REPORT REQUIREMENTS:**
 - THE SPECIAL INSPECTOR SHALL KEEP RECORD OF INSPECTIONS
 - THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD.
 - REPORTS SHALL INDICATE THAT WORK INSPECTED WAS OR WAS NOT COMPLETED IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS.
 - DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION.
 - IF NOT CORRECTED DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD PRIOR TO THE COMPLETION OF THAT PHASE OF WORK.
 - A FINAL REPORT DOCUMENTING SPECIAL INSPECTIONS AND CORRECTION OF DISCREPANCIES NOTED SHALL BE SUBMITTED TO THE BUILDING OFFICIAL.

SHOP FABRICATION

- SHOP FABRICATION REQUIRES SPECIAL INSPECTIONS PURSUANT TO SECTION 1704.2.5. EXCEPTION: SHOP SPECIAL INSPECTIONS ARE NOT REQUIRED WHEN THE FABRICATOR IS REGISTERED AND APPROVED TO PERFORM SHOP FABRICATION IN ACCORDANCE WITH CODE SECTION 1704.2.5.1. THE FOLLOWING SPECIAL INSPECTIONS MEET THE REQUIREMENTS OF THIS EXCEPTION:
 - WOOD BUILDINGS:**
 - WOOD STRUCTURAL PANELS (SHEATHING) SHALL BE IDENTIFIED BY THE APA TRADEMARK INDICATING CONFORMANCE TO THE APPLICABLE VOLUNTARY STANDARD.

PRE-FABRICATED WOOD TRUSS NOTES

- THE DESIGN OF METAL PLATE CONNECTED WOOD TRUSSES SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
 - CODES AND STANDARDS:**
 - THE GOVERNING CODE LISTED IN THE PROJECT GENERAL NOTES
 - MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE 7-16)
 - NATIONAL DESIGN STANDARD FOR WOOD CONSTRUCTION AND SUPPLEMENT (ANSI/AWC NDS-2018)
 - SPECIAL DESIGN PROVISIONS FOR WIND & SEISMIC (AWC SDPW5-2015)
 - THE NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION (ANSI/TPI 1-2014)
 - DESIGN CRITERIA:**
 - TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING MINIMUM VERTICAL LOADS AND OTHER LOADS INDICATED ON THE CONSTRUCTION DOCUMENTS (ATTIC MECHANICAL UNITS, ETC.)
- ROOF TRUSS LOADING:**
- CLAY TILE W/ GYP CEILING:
TOP-CHORD DEAD LOAD: 20.5 PSF * (18.8 PSF SUPERIMPOSED)
BOT CHORD DEAD LOAD: 7.5 PSF (6.2 PSF SUPERIMPOSED)
ROOF - LIVE LOAD: 20 PSF
- CLAY TILE W/ STUCCO CEILING:
TOP-CHORD DEAD LOAD: 20.5 PSF * (18.8 PSF SUPERIMPOSED)
BOT CHORD DEAD LOAD: 11.5 PSF (10.2 PSF SUPERIMPOSED)
ROOF - LIVE LOAD: 20 PSF
- DEFLECTION CRITERIA:**
- DEAD + LIVE LOAD: L/240
LIVE LOAD ONLY: L/360
- *INCLUDES 4 PSF ALLOWANCE FOR PV PANELS
- () INDICATES HORIZONTAL SEISMIC/WIND LOAD ON COLLECTOR TRUSSES. THE TRUSS DESIGNER SHALL DESIGN FOR THE TRUSSES FOR THE INDICATED HORIZONTAL LOAD ACTING IN BOTH THE TOP AND BOTTOM TRUSS CHORDS AND FOR THE TRANSFER OF THE FORCE TO THE CHORDS THROUGH THE WEB.
 - CONTRACTOR REQUIREMENTS:**
 - THE CONTRACTOR SHALL MEET ALL THE REQUIREMENTS LISTED IN SECTION 2.3.4 OF ANSI/TPI 1-2014 INCLUDING THE FOLLOWING:
 - MEANS AND METHODS: THE CONTRACTOR IS RESPONSIBLE FOR ALL MEANS AND METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, PROGRAMS AND SAFETY IN CONNECTION WITH RECEIPT, STORAGE, HANDLING, INSTALLATION, RESTRAINING, AND BRACING OF THE TRUSSES. REFER TO THE DESIGNER TO GOOD PRACTICE FOR HANDLING, INSTALLING, RESTRAINING AND BRACING OF METAL PLATE CONNECTED WOOD TRUSSES (BCS1-B1)
 - TRUSS INSTALLATION SHALL COMPLY WITH INSTALLATION REQUIREMENTS SHOWN IN BCS1-B1
 - TEMPORARY INSTALLATION RESTRAINT/BRACING FOR TRUSSES SHALL BE INSTALLED PRIOR TO TRUSS SYSTEM BEING INSTALLED IN ACCORDANCE WITH BCS1-B1
 - TRUSS DESIGNER SHALL SUBMIT TRUSS DESIGN DRAWINGS INCLUDING ALL RELEVANT DETAILS FOR THE FABRICATION OF THE TRUSSES AND PREPARE CALCULATIONS. ALL PLANS, DETAILS AND CALCULATIONS FOR THE TRUSSES SHALL BE STAMPED AND SIGNED BY A LICENSED PROFESSIONAL ENGINEER (CIVIL OR STRUCTURAL), LICENSED TO PRACTICE IN THE STATE OF CALIFORNIA.
 - TRUSS DESIGNER SHALL SUPERVISE THE PREPARATION OF THE TRUSS DESIGN DRAWINGS WHICH SHALL CONTAIN THE INFORMATION LISTED IN SECTION 2.3.5.5 OF ANSI/TPI 1-2014. THIS INCLUDES ALL TRUSS TO TRUSS CONNECTIONS, AND DETAILS FOR THE "CALIFORNIA FILL" AREAS.
 - TRUSS DESIGNER SHALL COMPLY WITH THE REFERENCED CODE AND DESIGN CRITERIA ABOVE.
 - TRUSS DESIGNER SHALL SHOW ALL HANGERS, BRACING AND RESTRAINTS AS WELL AS METHOD OF RESTRAINT/BRACING ON THE TRUSS PLANS TO MEET ANY SEISMIC AND WIND REQUIREMENTS OF THE CODE.
 - SUBMIT TRUSS DESIGN DRAWINGS INCLUDING ALL RELEVANT DETAILS FOR THE FABRICATION OF THE TRUSSES AND PREPARE CALCULATIONS. ALL PLANS, DETAILS AND CALCULATIONS FOR THE TRUSSES SHALL BE STAMPED AND SIGNED BY A LICENSED PROFESSIONAL ENGINEER (CIVIL OR STRUCTURAL), LICENSED TO PRACTICE IN THE STATE OF CALIFORNIA.

WOOD STRUCTURAL PANELS (SHEATHING)

- WOOD STRUCTURAL PANELS SHALL MEET THE FOLLOWING MINIMUM STANDARDS EXCEPT WHERE OTHERWISE NOTED:

WOOD STRUCTURAL PANEL PROPERTIES						
USE	PLY	BOND CLASSIFICATION C	SHEATHING GRADE	PERFORMANCE RATING	SPAN RATING	RATING & REFERENCE A
ROOF	5	EXPOSURE 1	REFER TO TYPICAL DIAPHRAGM SCHEDULE			APA 2022 CBC 2303.1.5 (DOC PS 1-09 OR PS 2-10)
FLOOR	5	EXPOSURE 1	REFER TO TYPICAL DIAPHRAGM SCHEDULE			APA
WALL D	5	EXPOSURE 1	REFER TO TYPICAL SHEAR WALL SCHEDULE			APA

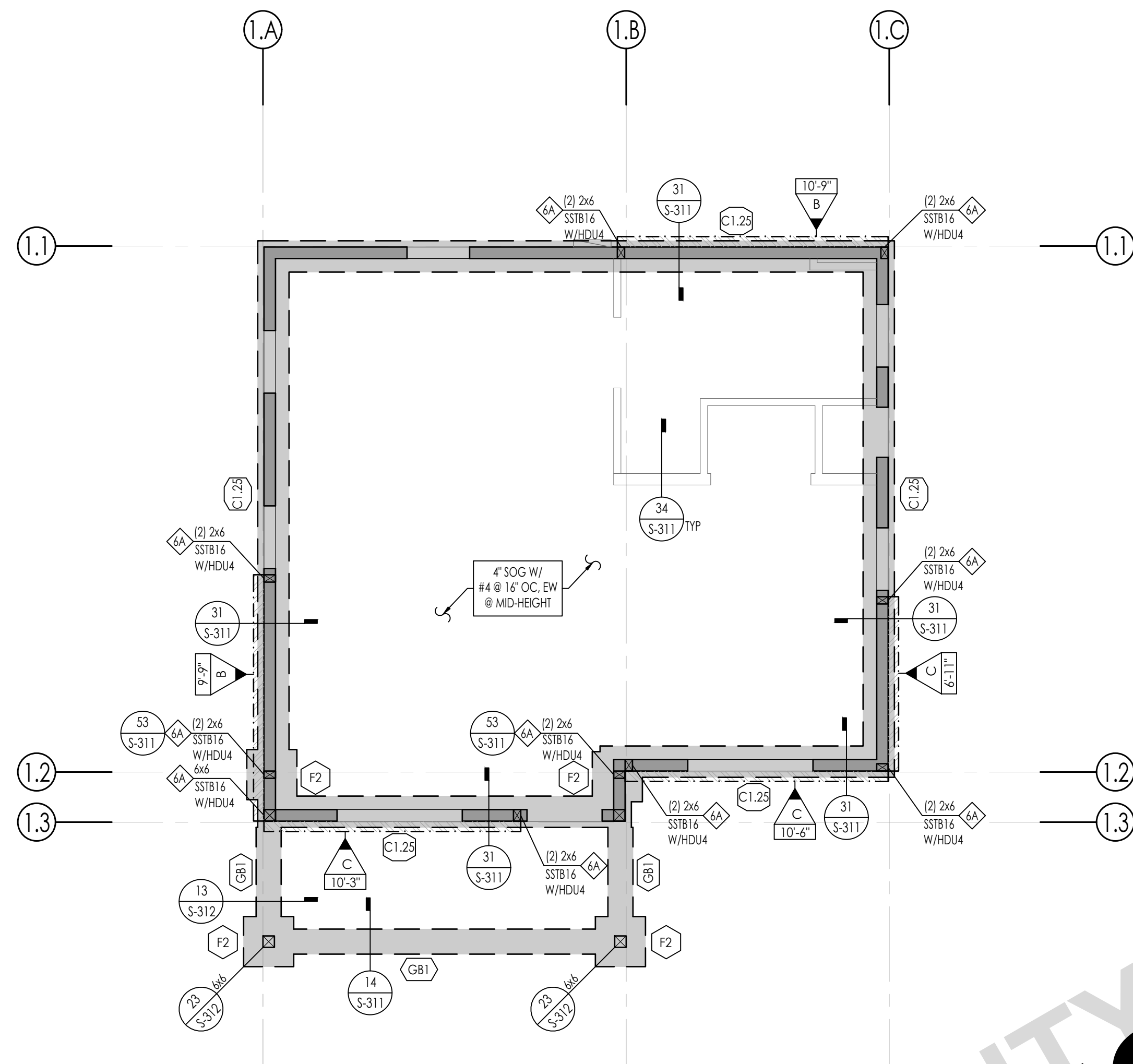
TABLE NOTES:

 - WOOD STRUCTURAL PANELS SHALL CONFORM TO THE REQUIREMENTS FOR THEIR TYPE IN ACCORDANCE WITH THE FOLLOWING VOLUNTARY STANDARDS BY THE ENGINEERED WOOD ASSOCIATION (AWA):
 - VOLUNTARY PRODUCT STANDARD, STRUCTURAL PLYWOOD, PS 1-09
 - VOLUNTARY PRODUCT STANDARD, PERFORMANCE STANDARD FOR WOOD-BASED STRUCTURAL-USE PANELS, PS 2-10
 - WOOD STRUCTURAL PANELS SHALL BE IDENTIFIED BY THE APA TRADEMARK INDICATING CONFORMANCE TO THE APPLICABLE VOLUNTARY STANDARD
 - WHERE PANELS ARE EXPOSED TO REPEATED WETTING AND REDRYING, LONG-TERM EXPOSURE TO WEATHER, OR CONDITIONS OF SIMILAR SEVERITY, "EXTERIOR" APA RATED PLYWOOD SHEATHING SHALL BE USED. C-D "EXPOSURE 1" APA RATED PLYWOOD SHEATHING (CDX) SHALL NOT BE USED FOR CONDITIONS INVOLVING LONG-TERM EXPOSURE TO WEATHER.
 - EXCEPTION: WOOD STRUCTURAL PANEL ROOF SHEATHING EXPOSED TO THE OUTDOORS ON THE UNDERSIDE IS PERMITTED TO BE "EXPOSURE 1" TYPE.
 - WOOD STRUCTURAL PANELS TO BE USED AS SIDING SHALL COMPLY WITH ANSI/APA PRP-210.
 - ORIENTED STRAND BOARD (OSB) WITH EQUIVALENT CLASSIFICATION AND RATINGS MAY BE USED IN LIEU OF PLYWOOD FOR WOOD STRUCTURAL PANEL WALL SHEATHING.
 - TRANSPORTATION, STORAGE, AND HANDLING:**
 - TRANSPORTATION**
 - IN TRANSPORTING PANELS ON OPEN TRUCK BEDS, COVER THE BUNDLES WITH A TARP.
 - STORAGE**
 - ALWAYS STORE THE PANELS UNDER COVER WHENEVER POSSIBLE
 - WHEN STORING PANELS OUTSIDE STACK THEM ON A LEVEL SURFACE ON TOP OF STRINGERS OR OTHER BLOCKING, THREE STRINGERS MINIMUM.
 - NEVER LEAVE PANELS IN CONTACT WITH THE GROUND
 - COVER THE STACK WITH A PLASTIC TARP, ENSURING THAT THE BUNDLE IS WELL VENTILATED TO PREVENT MILDEW.
 - IF MOISTURE ABSORPTION IS EXPECTED, CUT THE STEEL BAND TO PREVENT DAMAGE
 - KEEP SANDED OR OTHER APPEARANCE GRADE PANELS AWAY FROM HIGH TRAFFIC AREAS
 - HANDLING**
 - ALWAYS PROTECT ENDS AND EDGES, ESPECIALLY TONGUE AND GROOVE PRODUCTS, FROM PHYSICAL DAMAGE.
 - ACCLIMATE THE PANELS FOR 24 HOURS MINIMUM BEFORE INSTALLATION BY STANDING THE PANELS ON EDGE WITH A GAP BETWEEN EACH TO ALLOW FOR AIR CIRCULATION OR PER MANUFACTURER'S RECOMMENDATIONS.
 - PLYWOOD ORIENTATION**
 - ROOF AND FLOOR SHEATHING SHALL BE LAID WITH THE GRAIN OF THE OUTER PILES PERPENDICULAR TO THE FRAMING MEMBERS. SHALL BE CONTINUOUS OVER 2 JOIST BAYS MINIMUM AND END JOINTS SHALL BE JOINED OVER FRAMING AND STAGGERED. LEAVE A 1/8" GAP BETWEEN PANELS TO ALLOW FOR PANEL EXPANSION UNLESS RECOMMENDED OTHERWISE BY THE PANEL MANUF. REFER TO SPECIFIC DETAILS IN THE DRAWINGS FOR FURTHER PARAMETERS.
 - PLYWOOD OR OSB WALL SHEATHING MAY BE JOINED VERTICALLY OR HORIZONTALLY. ALL END JOINTS BE JOINED OVER FRAMING AND STAGGERED.
 - BLOCKING:**
 - ROOF: ALL ROOF SHEATHING SHALL BE BLOCKED UNLESS SPECIFICALLY ALLOWED ON PLANS, WHERE PERMITTED TO BE UNBLOCKED. ALL UNBLOCKED EDGES SHALL BE TONGUE AND GROOVE.
 - FLOOR: ALL FLOOR SHEATHING SHALL BE BLOCKED UNLESS SPECIFICALLY ALLOWED ON PLANS, WHERE PERMITTED TO BE UNBLOCKED. ALL UNBLOCKED EDGES SHALL BE TONGUE AND GROOVE.
 - WALLS: ALL SHEAR WALLS SHALL BE FULLY BLOCKED AT PLYWOOD EDGES.
 - FASTENERS**
 - USE SHEATHING NAILS SAME GAUGE AS COMMON WIRE NAILS WITH LENGTHS AT LEAST EQUAL TO SHEATHING THICKNESS PLUS REQUIRED PENETRATION PER AWS SDPW5 TABLE 4.2A OR 4.3A (AS REQUIRED).
 - EQUIVALENT PNEUMATIC DRIVE NAILS OR STAPLES MAY BE USED IF FASTENER MANUFACTURER HAS RECEIVED ICC OR IAPMO APPROVAL FOR THE INTENDED US. FASTENERS TO BE SUBSTITUTED SHALL BE EQUIVALENT IN LATERAL AND WITHDRAWAL STRENGTH TO THE SIZE OF COMMON NAIL SPECIFIED.
 - USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOB SITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE. MACHINE NAILING WILL NOT BE APPROVED IN 5/16" PLYWOOD OR OSB SHEATHING. IF NAIL HEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED, THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.
 - TYPICAL NAILING SHALL BE 10D AT 6" O.C. AT ALL SUPPORTED EDGES AND OVER SHEAR WALLS, AND 10D AT 12" O.C. AT ALL INTERMEDIATE SUPPORTS, UNLESS OTHERWISE NOTED. SEE PLANS AND REFER TO SHEAR WALL SCHEDULE.

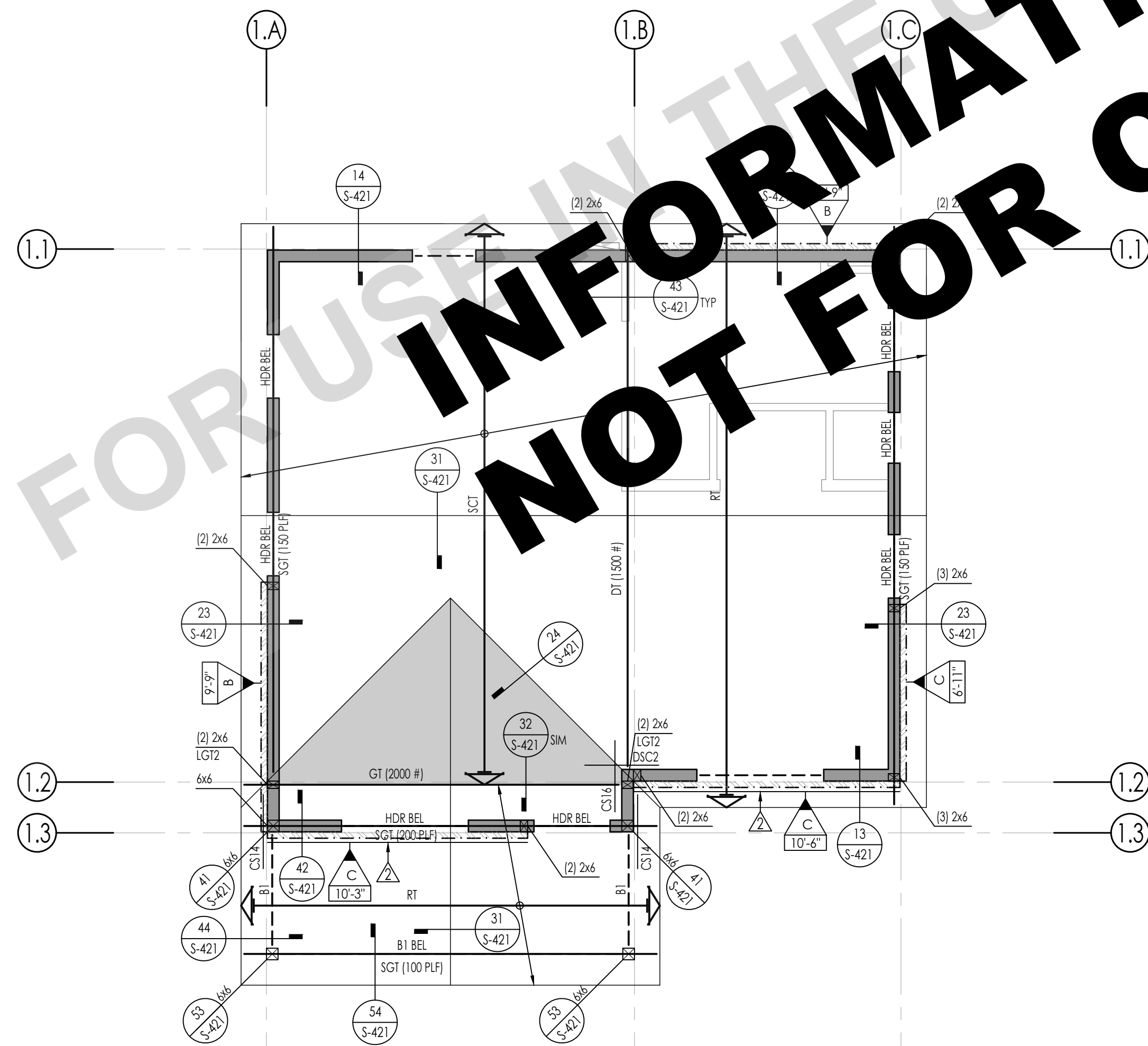
FOR USE IN THE CITY OF AGOURA HILLS
NOT FOR CONSTRUCTION

AGOURA HILLS | ADU
CITY OF AGOURA HILLS
GENERAL NOTES,
SPECIAL INSPECTION & TESTS

THESE PLANS ARE PROVIDED BY THE CITY OF AGOURA HILLS AS PART OF THE PRE-APPROVED ADU PROGRAM AND ARE PUBLIC DOMAIN. THERE CANNOT BE A CHARGE TO PROVIDE THESE PLANS. NO ALTERATIONS TO THESE PLANS ARE ALLOWED. ALL ALTERATIONS MUST BE DONE UNDER A SEPARATE PERMIT ONCE THE BUILDING PERMIT FOR THE ADU HAS BEEN ISSUED AND FINAL INSPECTION COMPLETED. IF YOU DO NOT HAVE THE CONSTRUCTION KNOWLEDGE AND EXPERIENCE TO CONSTRUCT THESE PLANS WITHOUT FURTHER DETAILS, IT IS RECOMMENDED YOU HIRE A CONTRACTOR TO DO THE CONSTRUCTION. THE CITY WILL NOT PROVIDE FURTHER INFORMATION OR DETAILS AND BUILDING INSPECTORS WILL NOT PROVIDE STEP BY STEP INSTRUCTIONS IN THE FIELD.



1 FOUNDATION PLAN - COTTAGE & RANCH
SCALE: 1/4" = 1'-0"



2 ROOF FRAMING PLAN - COTTAGE & RANCH
SCALE: 1/4" = 1'-0"

GENERAL PLAN NOTES

GENERAL

1. SEE THE FOLLOWING SHEETS FOR GENERAL NOTES AND TYPICAL DETAILS.

DESCRIPTION	SHEET(S)
SYMBOLS AND ABBREVIATIONS	S-101
STRUCTURAL GENERAL NOTES	S-102 - S-103
TESTING AND INSPECTION	S-103
TYPICAL CONCRETE DETAILS	S-301
TYPICAL WOOD DETAILS	S-401 - S-404

2. SEE ARCHITECTURAL DRAWINGS FOR FINISHED FLOOR ELEVATIONS. REFERENCE FINISHED FLOOR ELEVATION = 0'-0" CORRESPONDS TO FINISHED FLOOR ELEVATION.
3. SEE ARCHITECTURAL DRAWINGS FOR ALL EXTERIOR CONCRETE PAVING, SLABS, BASES, CURBS, ETC.
4. FOR ANY DIMENSIONAL INFORMATION NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
5. ALL DIMENSIONS SHOWN ARE FROM FACE OF MASONRY, FACE OF SHEATHING, OR CENTERLINE OF COLUMN, UNLESS NOTED OTHERWISE. ALL COLUMNS ARE CENTERED IN STUD WALLS.
6. SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS IN BEARING AND NON-BEARING WALLS.
7. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF INTERIOR NON-BEARING PARTITIONS.
8. ALL POSTS IN 6" WALLS SHALL BE 6x6 UNLESS NOTED OTHERWISE. ALL POSTS IN 4" WALLS SHALL BE 4x4 UNLESS NOTED OTHERWISE.

FOUNDATION

9. SEE PLANS AND ARCHITECTURAL DRAWINGS FOR DEPRESSIONS AND/OR SLOPES IN CONCRETE SLABS.
10. SEE ARCHITECTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL EMBEDDED ITEMS AND SLAB PENETRATIONS.
11. FOR TYPICAL SLAB-ON-GRADE REQUIREMENTS, INCLUDING SLAB JOINTS, SEE DETAIL 31/S-301.
12. ALL POSTS IN 6" WALLS SHALL BE 6x6 UNLESS NOTED OTHERWISE. ALL POSTS IN 4" WALLS SHALL BE 4x4 UNLESS NOTED OTHERWISE.
13. PLATE WASHERS ARE REQUIRED FOR ALL SILL PLATE ANCHOR BOLTS.
14. ALL HOLD-DOWN ANCHOR NUTS SHALL BE TIGHTENED TO FINGER TIGHT PLUS ONE-HALF WRENCH TURN JUST PRIOR TO COVERING.

15. ALL BOLT HOLES, IN WOOD MEMBERS, SHALL BE DRILLED A MAXIMUM OF 1/16" OVERSIZED. INSPECTOR TO VERIFY.
16. THE BUILDING PAD SHALL BE PREPARED AS OUTLINED IN DETAIL 53/S-301. THE BUILDING OFFICIAL SHALL REQUIRE PAD CERTIFICATION BY A GEOTECHNICAL ENGINEER AT THEIR DISCRETION.
17. BOTTOM OF FOOTINGS SHALL BE UNLESS DEEPER FOUNDATIONS ARE REQUIRED BY THE BUILDING OFFICIAL:
 - A. 2" BELOW PAD OR ADJACENT GRADE AT PERIMETER, WHICHEVER IS DEEPER, UNO
 - B. 2" BELOW PAD OR ADJACENT GRADE AT INTERIOR GRADE BEAMS, WHICHEVER IS DEEPER, UNO
 NOTE: FOOTING MUST BE DEEPEEN LOCALLY PER DETAIL 32/S-301 TO ACCOMMODATE ANCHOR BOLT HOLD-DOWN EMBED DEPTHS
18. FOR DEEPEEN FOOTING REFER TO 44/S-311. DISTANCE TO DAYLIGHT MUST BE A MINIMUM OF 10'-0" AS MEASURED FROM THE BOTTOM OF THE FOOTING. SHOULD THE SITE REQUIRE RETAINING WALLS TO FLATTEN THE LOT, REFER TO NOTES ON COVER SHEET FOR PERMITTING REQUIREMENTS.
19. ALL LINES OR MEMBERS INDICATED AS 'STRUT' SHALL RECEIVE (2) ROWS OF BOUNDARY NAILING (BN), STAGGERED.
20. ALL INTERIOR WALLS NOT SHOWN ON THE STRUCTURAL FRAMING PLANS BUT SHOWN ON THE ARCHITECTURAL DRAWINGS SHALL BE CONSTRUCTED PER NON-BEARING PARTITION WALL DETAIL 43/S-401, UNO.
21. PLYWOOD SHEATHED DIAPHRAGM TYPES:
 - ALL ROOF DIAPHRAGMS SHALL BE TYPE A, UNO
 - REFER TO 12/S-403
22. TRUSS MEMBERS AND COMPONENTS SHALL NOT BE CUT, NOTCHED, DRILLED OR OTHERWISE ALTERED IN ANY WAY WITHOUT WRITTEN CONCURRENCE AND APPROVAL OF A REGISTERED DESIGN PROFESSIONAL.
23. ALTERATIONS RESULTING IN THE ADDITION OF LOADS TO ANY MEMBER (E.G. HVAC EQUIPMENT, WATER HEATER) SHALL NOT BE PERMITTED WITHOUT VERIFICATION THAT THE TRUSS IS CAPABLE OF SUPPORTING SUCH ADDITIONAL LOADING.

SYMBOL LEGEND

- (X) INDICATES TOP PLATE SPUCE NAILING PER DETAILS 31/S-403. NAILING APPLIES TO ENTIRE LENGTH OF TOP PLATE. PROVIDE TYPE (C) SPUCE, UNLESS NOTED OTHERWISE.
- DSC # INDICATES DSC CONNECTION PER 24/S-403
- CS, CMST, INDICATES STRAP PER 24/S-403 OR 34/S-403, UNO

FOUNDATION SCHEDULES

SHEARWALL HOLD-DOWN SCHEDULE		
SPECIFICS HOLD-DOWN/STRAP DETAIL	INDICATES HOLD-DOWN/STRAP TYPE	DETAIL
6A	INDICATES SIMPSON HOLD-DOWN W/ SSB TO CONCRETE FOUNDATION:	12/S-311

GRADE BEAM SCHEDULE						
TYPE	WIDTH	THICKNESS	MIN EMBED BELOW LOWEST PAD GRADE	LONG REINF	TRANS REINF	DETAIL
GB1	1'-0"	1'-0"	SEE NOTE 17	(2) #4 @ TOP (2) #4 @ BOT	#3 @ 24" OC	14/S-311

CONTINUOUS FOOTING SCHEDULE					
MARK	WIDTH	MIN EMBED BELOW LOWEST PAD GRADE	LONG REINF	TRANS REINF	DETAIL
C1.23	1'-3"	SEE NOTE 17	(2) #5 T&B	#3 @ 12" OC, BOT	31/S-311

PAD FOOTING SCHEDULE							
TYPE	WIDTH	LENGTH	THICKNESS	MIN EMBED BELOW LOWEST PAD GRADE	TOP REINF	BOT REINF	DETAIL
F2	2'-0"	2'-0"	1'-6"	SEE NOTE 17	(3) #5, EW	(3) #5, EW	PER PLAN

NOTE: FOOTING MUST BE DEEPEEN LOCALLY PER DETAIL 32/S-301 TO ACCOMMODATE AB HOLD-DOWN EMBED DEPTHS

ROOF FRAMING SCHEDULES

ROOF BEAM SCHEDULE		
MARK	SIZE	REMARKS
B1	6x12	
B2	4x10	

FLOOR RAFTER SCHEDULE		
MARK	SIZE	REMARKS
J1	2x6 @ 16" OC	

HEADER SCHEDULE		
MARK	SIZE	REMARKS
H1	6x8	

PREFABRICATED ROOF TRUSS

1. FOR PREFABRICATED ROOF TRUSS NOTES SEE NOTES ON SHEET S-103

ROOF TRUSS SCHEDULE		
MARK	DESCRIPTION	REMARKS
RT	ROOF TRUSS (COMMON)	24" OC MAX
SGT	STRUCTURAL GABLE TRUSS	
MT	MONO PITCH TRUSS	24" OC MAX
JT	JACK TRUSS	24" OC MAX
VJT	VALLEY JACK TRUSS	24" OC MAX
CJT	CORNER JACK TRUSS	
GT	GIRDER TRUSS	
MGT	MONO PITCH GIRDER TRUSS	
DT (#1)	DRAG TRUSS	
CGT	CALIFORNIA GIRDER TRUSS	
HR	HIP RAFTER / JACK RAFTER	
CHT	CALIFORNIA HIP TRUSS	24" OC MAX
SCT	SCISSOR TRUSS	24" OC MAX, CEILING SLOPE PER ARCH

(#1) - EQUALS DRAG FORCE IN LBS. DRAG FORCE IS AT A FACTORED LEVEL (0.75) DRAG FORCES CALCULATED IN ACCORDANCE WITH ASCE 7-16 12.10.1.1. IN STRUCTURES ENTIRELY BRACED BY LIGHT FRAME SHEAR WALLS OR PORTIONS THEREOF. DRAG MEMBERS SHALL BE DESIGNED TO RESIST FORCES USING THE LOAD COMBINATIONS OF ASCE 7-16 SECTION 12.4.2.3 IN ALL OTHER STRUCTURES DRAGS SHALL INCLUDE THE EFFECT OF OVER STRENGTH PER ASCE 7-16 12.4.3.2

AGOURA HILLS | ADU
CITY OF AGOURA HILLS

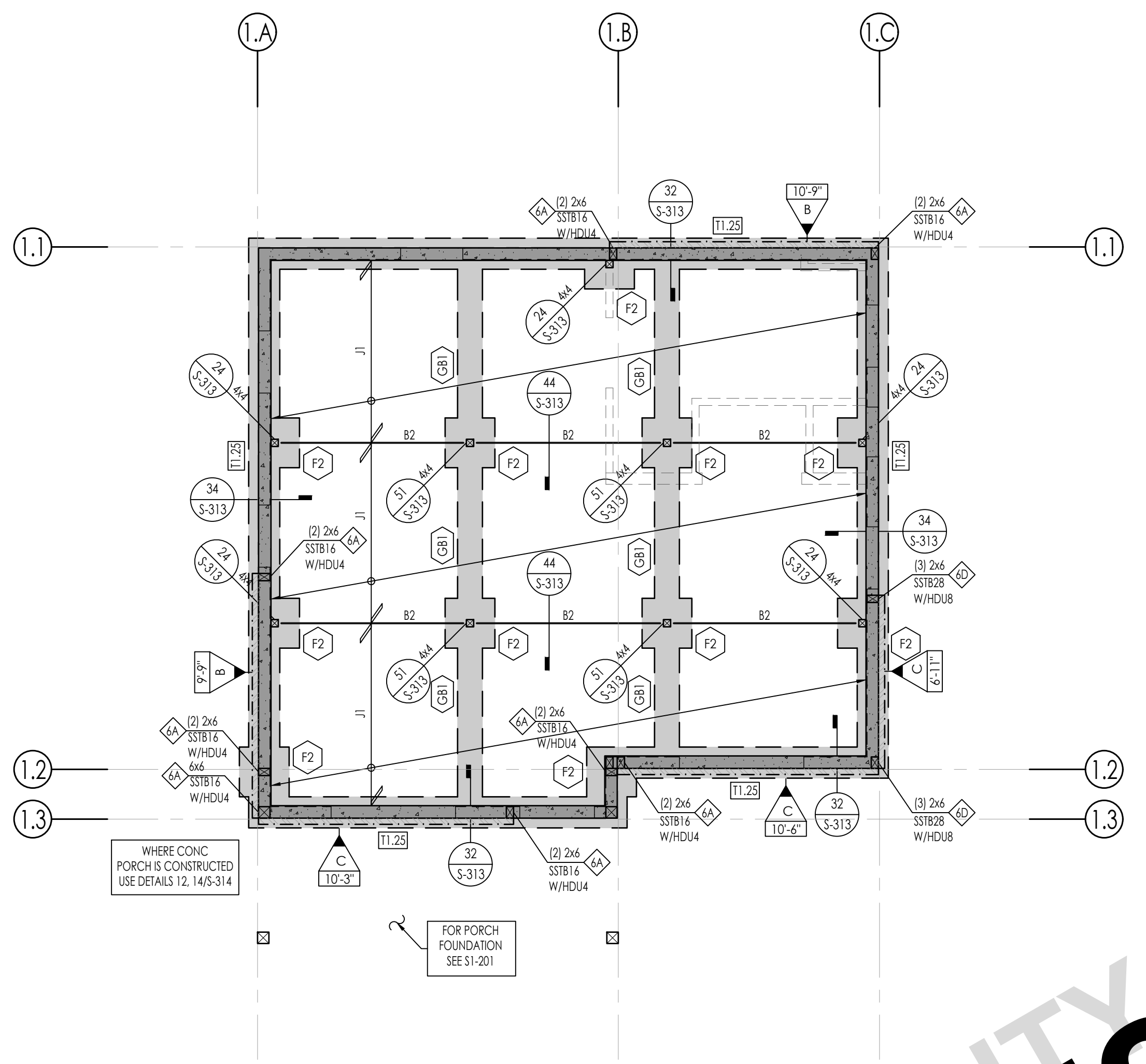
FOUNDATION & ROOF FRAMING
PLANS - COTTAGE & RANCH

APPROVED SET

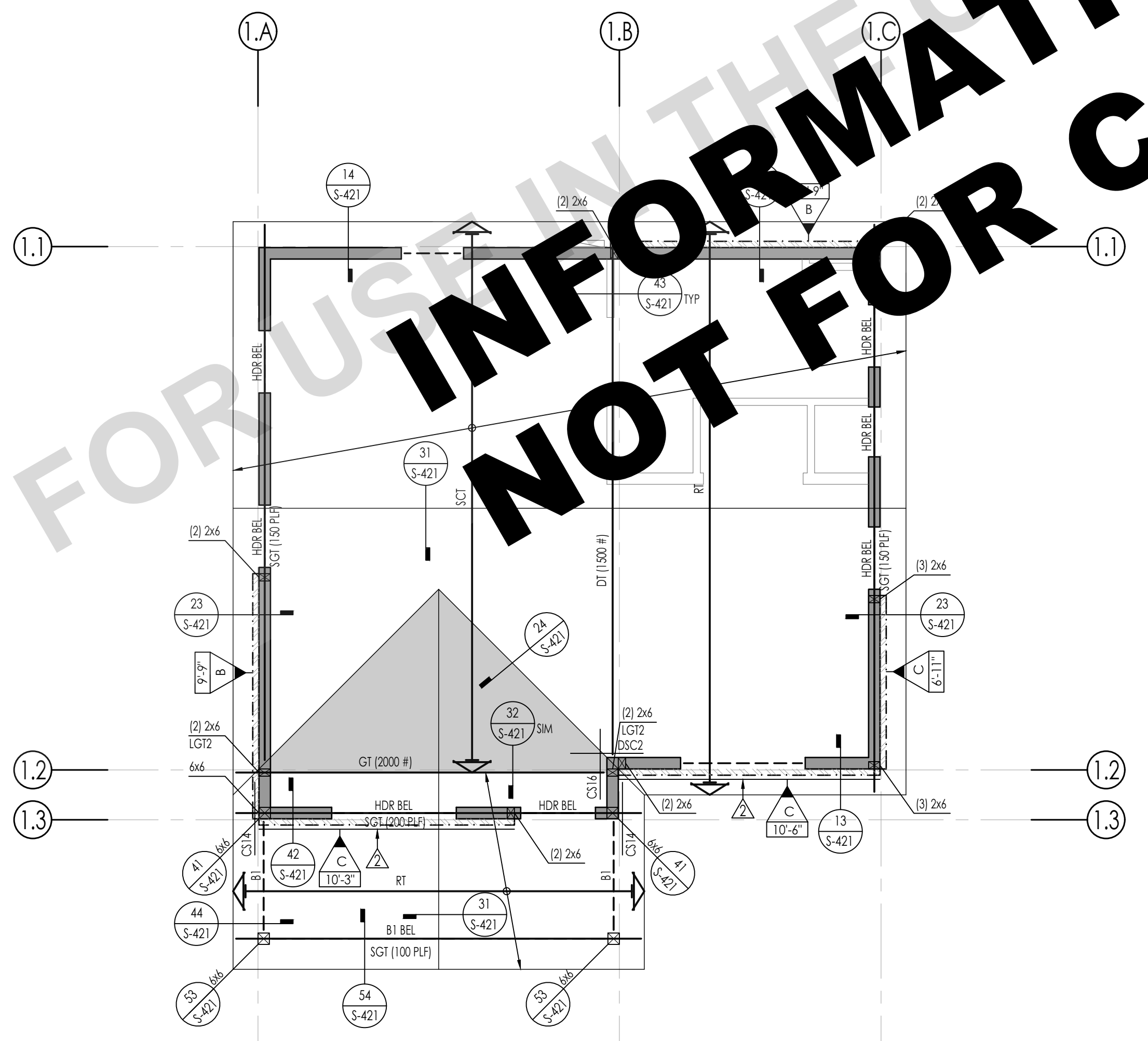
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SHEET

S1-201

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1 RAISED FLOOR FRAMING PLAN - COTTAGE & RANCH
SCALE: 1/4" = 1'-0"



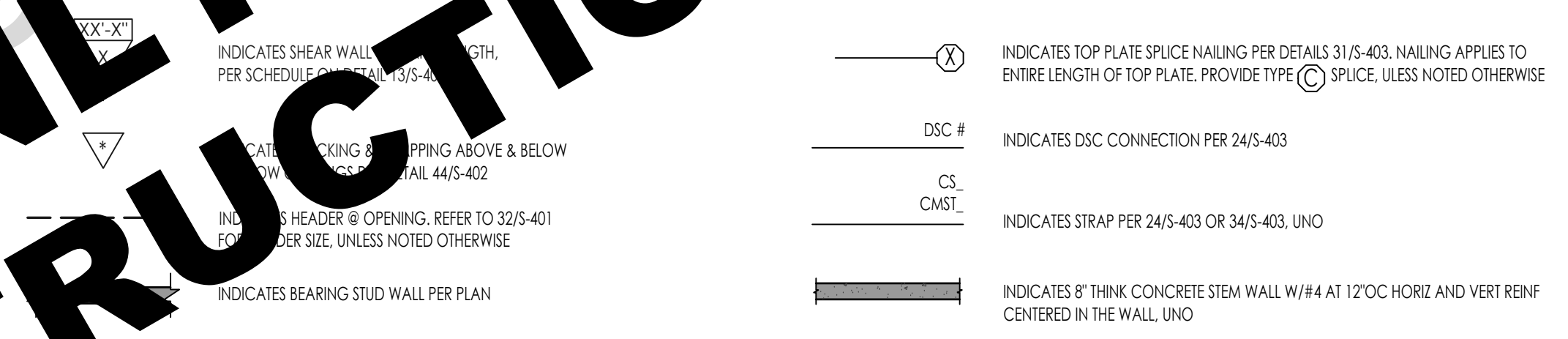
2 ROOF FRAMING PLAN - COTTAGE & RANCH
SCALE: 1/4" = 1'-0"

GENERAL PLAN NOTES

- GENERAL**
- SEE THE FOLLOWING SHEETS FOR GENERAL NOTES AND TYPICAL DETAILS.

DESCRIPTION	SHEET(S)
SYMBOLS AND ABBREVIATIONS	S-101
STRUCTURAL GENERAL NOTES	S-102 - S-103
TESTING AND INSPECTION	S-103
TYPICAL CONCRETE DETAILS	S-301
TYPICAL WOOD DETAILS	S-401 - S-404
 - ALL BOLT HOLES, IN WOOD MEMBERS, SHALL BE DRILLED A MAXIMUM OF 1/16" OVERSIZED. INSPECTOR TO VERIFY.
 - THE BUILDING PAD SHALL BE PREPARED AS OUTLINED IN DETAIL 53/5-301. THE BUILDING OFFICIAL SHALL REQUIRE PAD CERTIFICATION BY A GEOTECHNICAL ENGINEER AT THEIR DISCRETION.
 - BOTTOM OF FOOTINGS SHALL BE UNLESS DEEPER FOUNDATIONS ARE REQUIRED BY THE BUILDING OFFICIAL:
 - 21" BELOW PAD OR ADJACENT GRADE AT PERIMETER, WHICHEVER IS DEEPER, UNO
 - 21" BELOW PAD OR ADJACENT GRADE AT INTERIOR GRADE BEAMS, WHICHEVER IS DEEPER, UNO
 NOTE: FOOTING MUST BE DEEPEEN LOCALLY PER DETAIL 32/5-301 TO ACCOMMODATE ANCHOR BOLT HOLDOWN EMBED DEPTHS
 - FOR DEEPEEN FOOTINGS W/21" MAX BETWEEN TOP OF SLAB AND FINISHED GRADE REFER TO 44/5-311. DISTANCE TO DAYLIGHT MUST BE A MINIMUM OF 10'-0" AS MEASURED FROM THE BOTTOM OF THE FOOTING. SHOULD THE SITE REQUIRE RETAINING WALLS TO FLATTEN THE LOT, REFER TO NOTES ON COVER SHEET FOR PERMITTING REQUIREMENTS.
 - WHERE UNDER FLOOR ACCESS IN CONC STEM WALLS IS REQUIRED, SEE DETAIL 43/5-313.
- FRAMING**
- ALL LINES OR MEMBERS INDICATED AS 'STRUT' SHALL RECEIVE (2) ROWS OF BOUNDARY NAILING (BN), STAGGERED.
 - ALL INTERIOR WALLS NOT SHOWN ON THE STRUCTURAL FRAMING PLANS BUT SHOWN ON THE ARCHITECTURAL DRAWINGS SHALL BE CONSTRUCTED PER NON-BEARING PARTITION WALL DETAIL 43/5-401, UNO.
 - PLYWOOD SHEATHED DIAPHRAGM TYPES:
ALL ROOF DIAPHRAGMS SHALL BE TYPE A, UNO
ALL FLOOR DIAPHRAGMS AT RAISED FLOOR FOUNDATIONS SHALL BE TYPE B, UNO
REFER TO 12/5-403
 - TRUSS MEMBERS AND COMPONENTS SHALL NOT BE CUT, NOTCHED, DRILLED OR OTHERWISE ALTERED IN ANY WAY WITHOUT WRITTEN CONCURRENCE AND APPROVAL OF A REGISTERED DESIGN PROFESSIONAL.
 - ALTERATIONS RESULTING IN THE ADDITION OF LOADS TO ANY MEMBER (E.G. HVAC EQUIPMENT, WATER HEATER) SHALL NOT BE PERMITTED WITHOUT VERIFICATION THAT THE TRUSS IS CAPABLE OF SUPPORTING SUCH ADDITIONAL LOADING.

SYMBOL LEGEND



FOUNDATION SCHEDULES

SHEARWALL HOLDOWN SCHEDULE			
SPECIES HOLDOWN/STRAP DETAIL	INDICATES HOLDOWN/STRAP TYPE	DETAIL	
64	INDICATES SIMPSON HOLDOWN W/ SSB TO: CONCRETE STEM WALL:	22/5-313	

'STEM-WALL' TYPE CONTINUOUS FOOTING SCHEDULE					
TYPE	WIDTH	THICKNESS	LONG REINF	TRANS REINF	DETAIL
11.25	1'-3"	1'-0"	(2) #4 @ T&B	#3 @ 12" OC, BOT	PER PLAN

GRADE BEAM SCHEDULE						
TYPE	WIDTH	THICKNESS	MIN EMBED BELOW LOWEST PAD GRADE	LONG REINF	TRANS REINF	DETAIL
GB1	1'-0"	1'-0"	SEE NOTE 17	(2) #4 @ TOP (2) #4 @ BOT	#3 @ 24" OC	14/5-311

PAD FOOTING SCHEDULE							
TYPE	WIDTH	LENGTH	THICKNESS	MIN EMBED BELOW LOWEST PAD GRADE	TOP REINF	BOT REINF	DETAIL
F2	2'-0"	2'-0"	1'-6"	SEE NOTE 17	(3) #5, EW	(3) #5, EW	PER PLAN

NOTE: FOOTING MUST BE DEEPEEN LOCALLY PER DETAIL 32/5-301 TO ACCOMMODATE AB HOLDOWN EMBED DEPTHS

ROOF FRAMING SCHEDULES

ROOF BEAM SCHEDULE		
MARK	SIZE	REMARKS
B1	6x12	
B2	4x10	

FLOOR RAFTER SCHEDULE		
MARK	SIZE	REMARKS
J1	2x6 @ 16" OC	

HEADER SCHEDULE		
MARK	SIZE	REMARKS
H1	6x8	

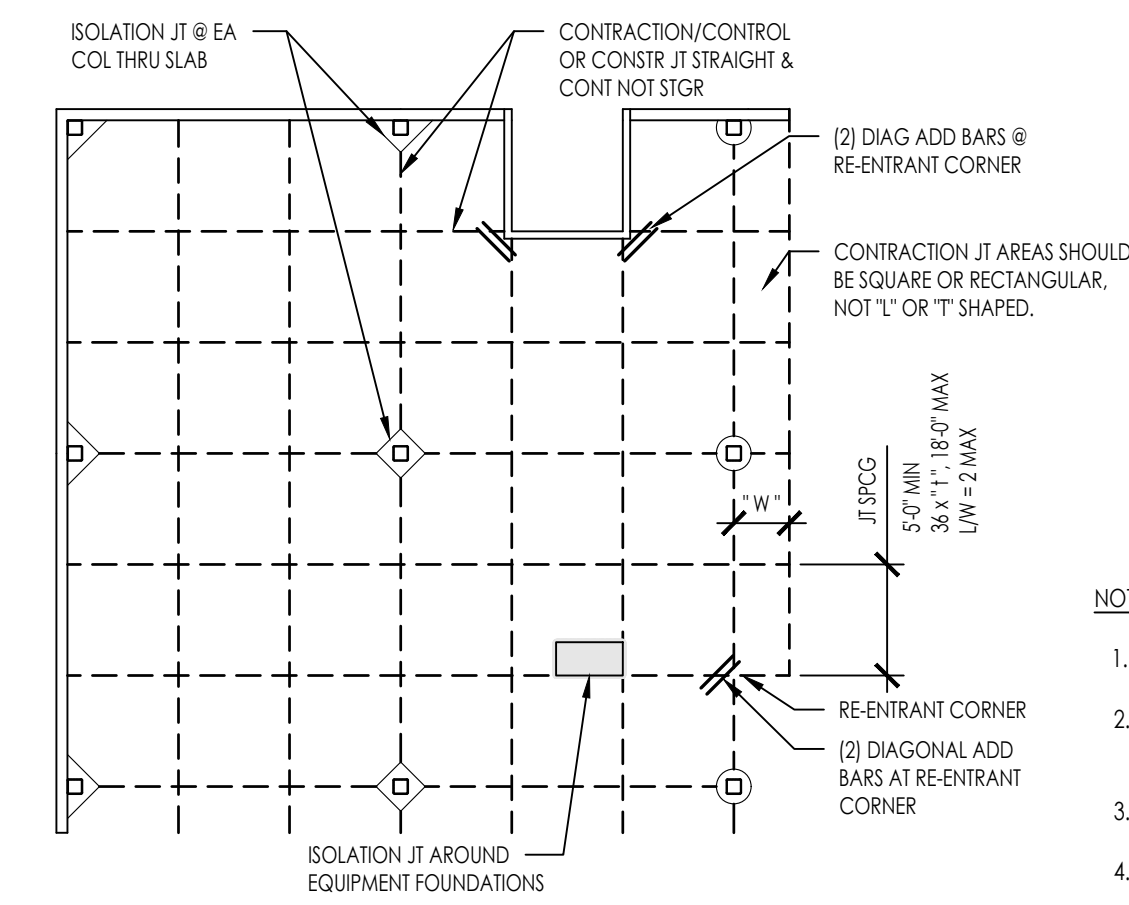
PREFABRICATED ROOF TRUSS		
1. FOR PREFABRICATED ROOF TRUSS NOTES SEE NOTES ON SHEET S-103		
MARK	DESCRIPTION	REMARKS
RT	ROOF TRUSS (COMMON)	24" OC MAX
SGT	STRUCTURAL GABLE TRUSS	
MT	MONO PITCH TRUSS	24" OC MAX
JT	JACK TRUSS	24" OC MAX
VJT	VALLEY JACK TRUSS	24" OC MAX
CJT	CORNER JACK TRUSS	
GT	GIRDER TRUSS	
MGT	MONO PITCH GIRDER TRUSS	
DT (#1)	DRAG TRUSS	
CGT	CALIFORNIA GIRDER TRUSS	
HR	HIP RAFTER / JACK RAFTER	
CHT	CALIFORNIA HIP TRUSS	24" OC MAX
SCT	SCISSOR TRUSS	24" OC MAX, CEILING SLOPE PER ARCH

(#1) - EQUALS DRAG FORCE IN LBS. DRAG FORCE @ A FACTORED LEVEL (0.75) DRAG FORCES CALCULATED IN ACCORDANCE WITH ASCE 7-16 12.10.1.1. IN STRUCTURES ENTIRELY BRACED BY LIGHT FRAME SHEAR WALLS OR PORTIONS THEREOF, DRAG MEMBERS SHALL BE DESIGNED TO RESIST FORCES USING THE LOAD COMBINATIONS OF ASCE 7-16 SECTION 12.4.2.3 IN ALL OTHER STRUCTURES DRAGS SHALL INCLUDE THE EFFECT OF OVER STRENGTH PER ASCE 7-16 12.4.3.2

AGOURA HILLS | ADU
CITY OF AGOURA HILLS
RAISED FLOOR FRAMING PLAN &
ROOF FRAMING PLANS -
COTTAGE & RANCH

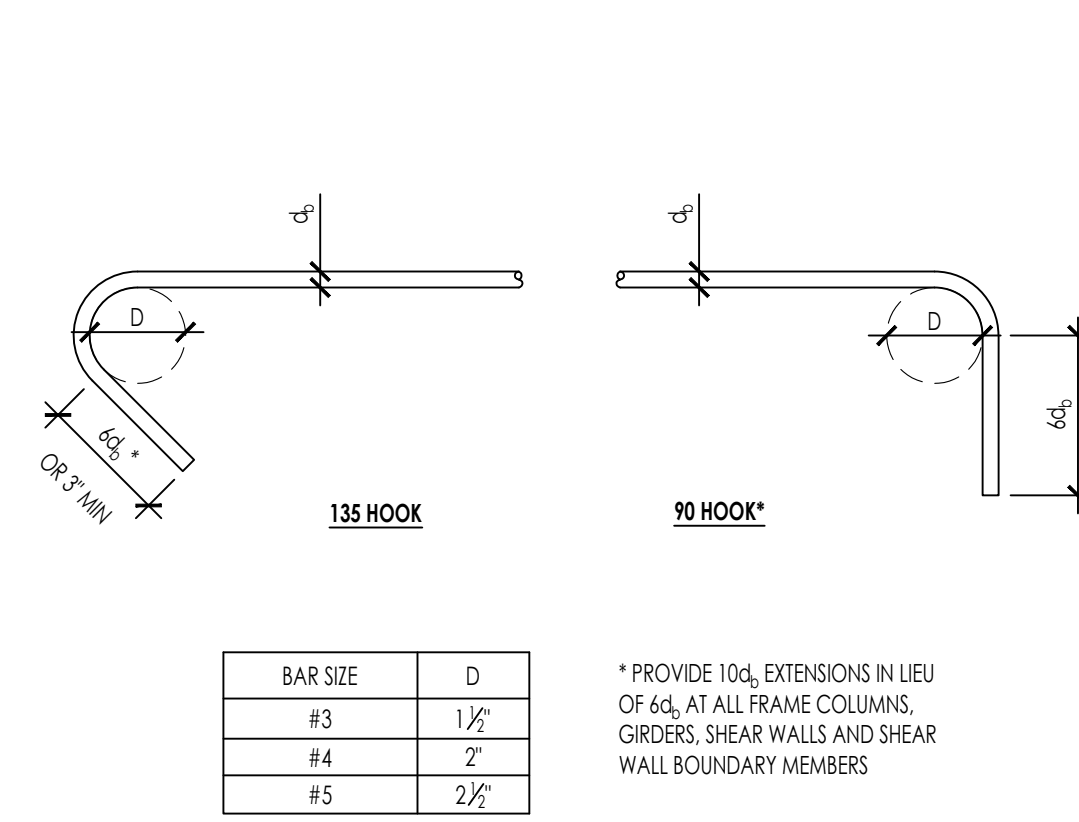
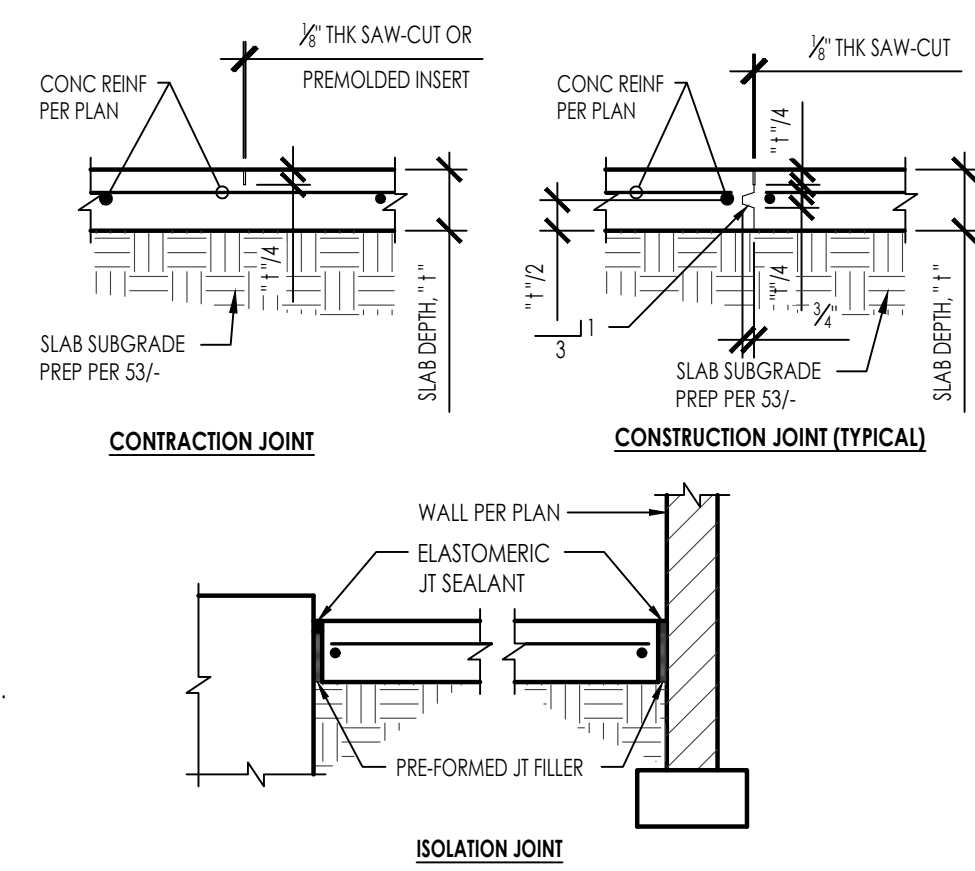
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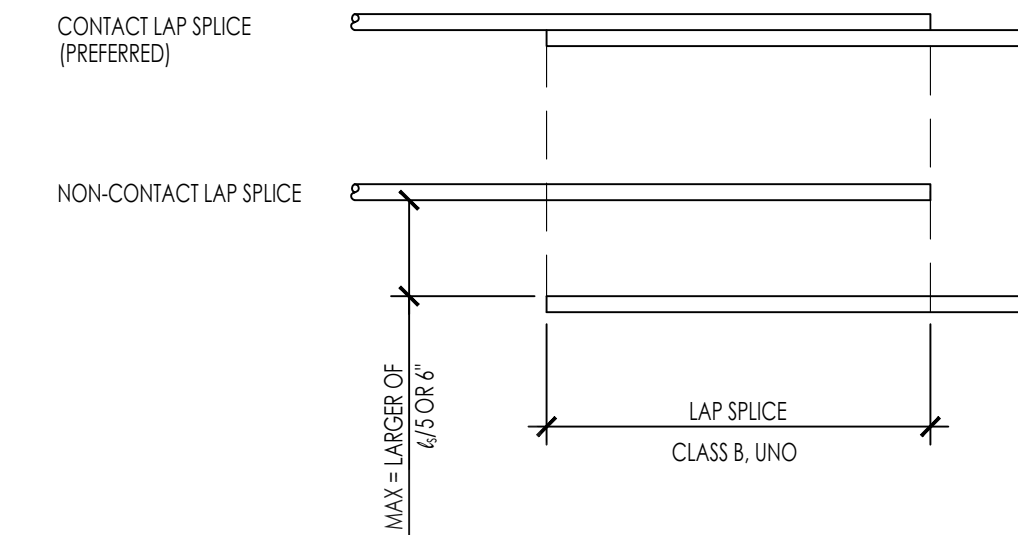
NOTES:

- IF SAW CUT CONTRACTION OR CONTROL JOINT IS USED, SAW-CUT WITHIN 24 HOURS. EARLY ENTRY SAWS MAY BE USED WITHIN 1-4 HOURS OF POUR, AND CONVENTIONAL SAWS 4-12 HOURS OF POUR DEPENDING ON WEATHER.
- FILL CONTRACTION JOINT WITH AN ELASTOMERIC JOINT COMPOUND RATED FOR ITS USE. FOR INDUSTRIAL FLOORS SUBJECT TO HARD WHEELED TRAFFIC, USE SEALANTS RATED FOR SUCH APPLICATIONS BY THE MANUFACTURER.
- DOWELS IN INDUSTRIAL FLOOR APPLICATIONS SHOULD BE SMOOTH ALIGNED, AND SUPPORTED SO THEY WILL REMAIN PARALLEL IN BOTH HORIZONTAL AND VERTICAL PLANES DURING PLACING AND FINISHING.
- IN STEEL AND/OR CONC. BUILDINGS DO NOT POUR DIAMOND UNTIL STRUCTURAL STEEL AND CONCRETE ABOVE HAS BEEN INSTALLED.



BAR SIZE	D
#3	1 1/2"
#4	2"
#5	2 1/2"

* PROVIDE 10dL EXTENSIONS IN LIEU OF 4dL AT ALL FRAME COLUMNS, GIRDERS, SHEAR WALLS AND SHEAR WALL BOUNDARY MEMBERS



REINFORCING TENSION DEVELOPMENT LENGTH AND LAP SCHEDULE

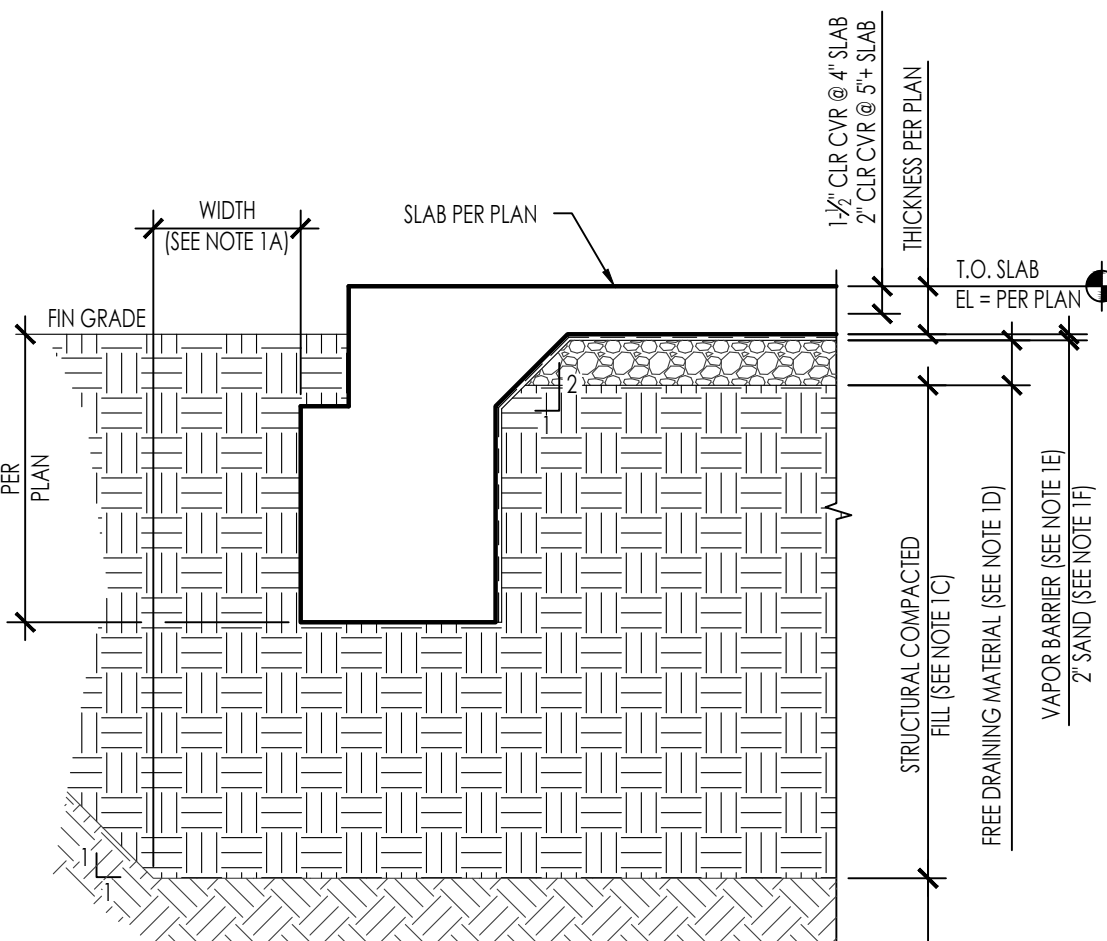
BAR SIZE	DEVELOPMENT LENGTH l_d (CLASS A LAP SPICE)			LAP SPICE l_s (CLASS B LAP SPICE)		
	2,500	3,000	4,000	2,500	3,000	4,000
#3	1'-6"	1'-5"	1'-3"	2'-0"	1'-10"	1'-7"
#4	2'-0"	1'-10"	1'-7"	2'-8"	2'-5"	2'-1"
#5	2'-6"	2'-4"	2'-0"	3'-3"	3'-0"	2'-7"
#6	3'-0"	2'-9"	2'-5"	3'-11"	3'-7"	3'-2"
#7	4'-5"	4'-0"	3'-6"	5'-9"	5'-2"	4'-6"
#8	5'-0"	4'-7"	4'-0"	6'-6"	5'-11"	5'-2"
#9	5'-8"	5'-2"	4'-6"	7'-4"	6'-9"	5'-10"
#10	6'-5"	5'-10"	5'-1"	8'-3"	7'-7"	6'-7"
#11	7'-1"	6'-6"	5'-7"	9'-2"	8'-5"	7'-3"

VALUES ABOVE ARE FOR REINFORCEMENT WITH THE FOLLOWING PARAMETERS:

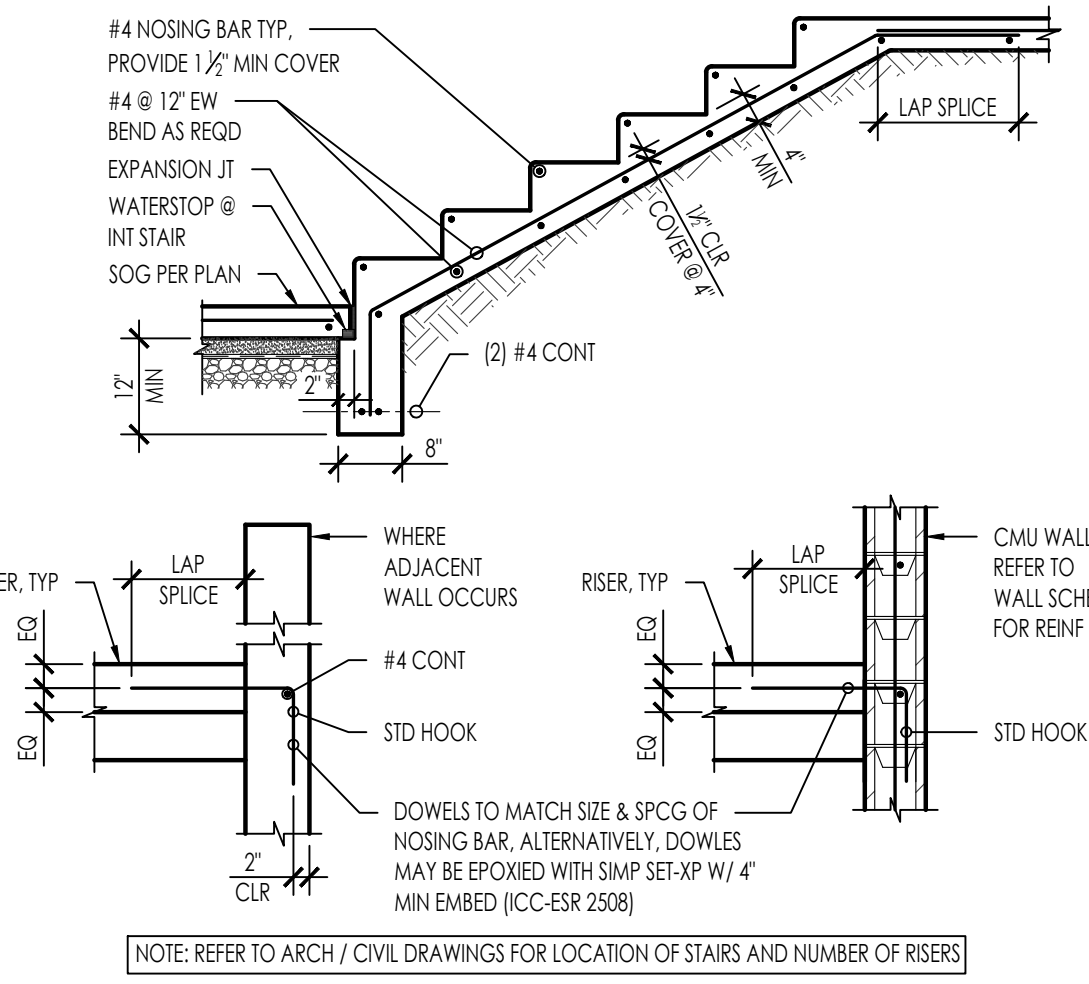
- GRADE 60 REINFORCEMENT
- NORMAL WEIGHT CONCRETE
 - FOR LIGHTWEIGHT CONCRETE MULTIPLY THE VALUES ABOVE BY 1.3
- NON-EPOXY COATED REINFORCEMENT
- HORIZONTAL BARS WITHOUT 12" OF CONCRETE BELOW (BOTTOM BARS), AND VERTICAL BARS
 - FOR TOP BARS WITH 12" OR MORE OF CONCRETE BELOW THE BAR MULTIPLY THE VALUES ABOVE BY 1.3
 - CLEAR SPACING NOT LESS THAN d_b , CLEAR COVER NOT LESS THAN d_b , AND STIRRUPS THROUGH l_d NOT LESS THAN MIN
 - CLEAR SPACING NO LESS THAN $2d_b$ AND CLEAR COVER NOT LESS THAN d_b
 - FOR OTHER SPACING AND COVER CONDITIONS MULTIPLY THE VALUES ABOVE BY 1.5
- REINFORCEMENT NOT IN SHEAR WALLS
 - FOR REINFORCEMENT IN SHEAR WALLS MULTIPLY THE VALUES ABOVE BY 1.25
- THE MULTIPLIERS LISTED IN NOTE 1 ABOVE ARE CUMULATIVE INCREASES IN DEVELOPMENT/LAP SPICE LENGTH.
- ALL LAP SPICES REFERENCED IN THE PLANS SHALL BE CLASS B UNLESS NOTED OTHERWISE.
- WHEN REINFORCING BARS OF TWO SIZES ARE LAP SPICED IN TENSION, USE THE LARGER OF THE TENSION CLASS B, LAP SPICE LENGTH (l_s) OF THE SMALLER BAR, AND THE CLASS A, TENSION DEVELOPMENT LENGTH (l_d) OF THE LARGER BAR.

SLAB ON GRADE JOINTS

2742-01-C1022-1301-31

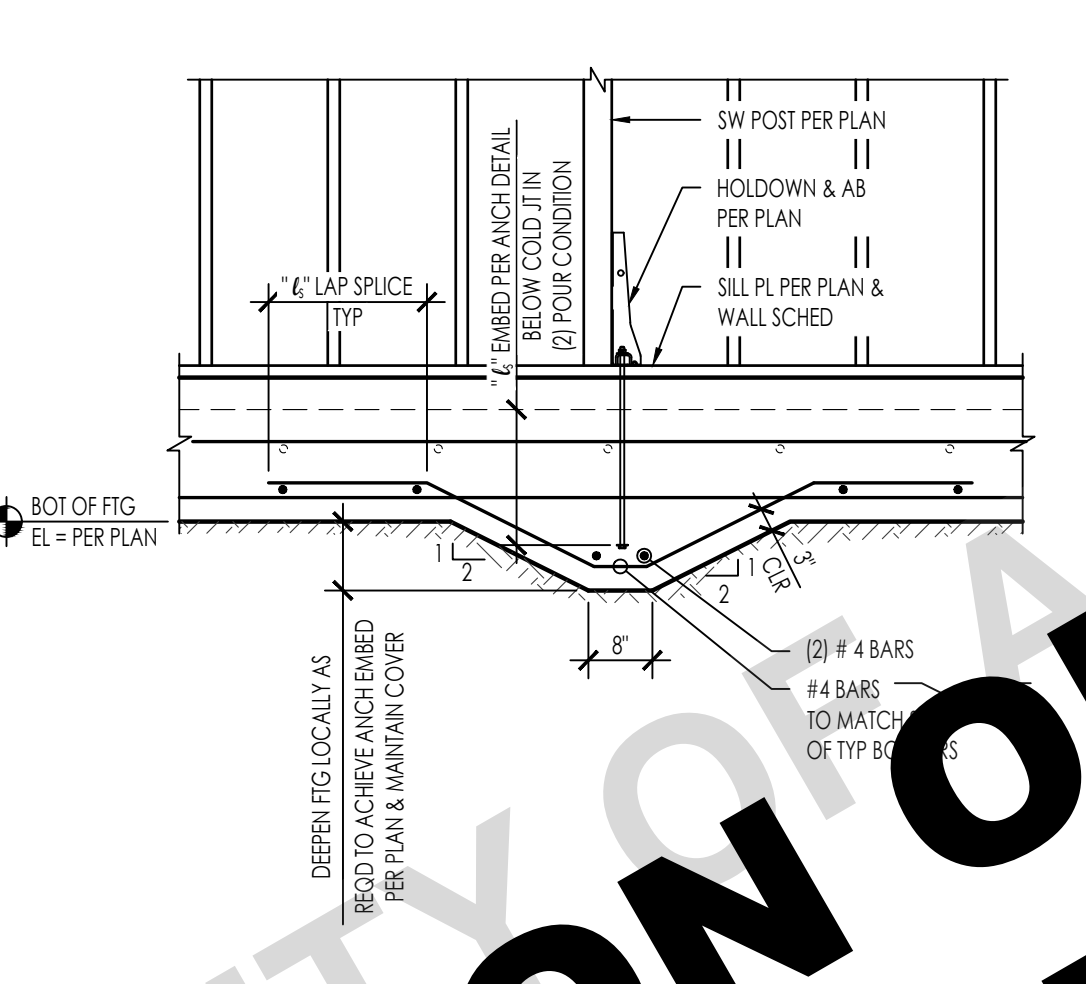


- NOTES:**
- PREPARATION OF THE SLAB SUBGRADE SHALL BE AS FOLLOWS:
 - OVER-EXCAVATION SHALL EXTEND 5 FEET BEYOND PERIMETER FOUNDATION, TO PROPERTY LINES OR EXISTING IMPROVEMENTS, WHICHEVER IS LEAST.
 - NATIVE MATERIALS
 - SHALL BE OVER-EXCAVATED 36" BELOW (E) GRADE OR 18" BELOW BOTTOM OF FOOTINGS, WHICHEVER IS GREATEST.
 - THE EXPOSED SURFACE SHALL BE SCARIFIED TO A DEPTH OF 6", MOISTURE CONDITIONED TO 3 PERCENT OVER OPTIMUM MOISTURE CONTENT AND COMPACTED TO A MINIMUM RELATIVE DENSITY OF 90 PERCENT (ASTM D1557)
 - ENGINEERED COMPACTED FILL
 - STRUCTURAL FILL SHALL BE PLACED IN HORIZONTAL LAYERS, EACH APPROXIMATELY 8" THICK BEFORE COMPACTION, AND SHOULD BE CONDITIONS WITH WATER TO PRODUCE A SOIL WATER CONTENT NEAR OPTIMUM MOISTURE AND COMPACTED TO A MINIMUM RELATIVE DENSITY OF 90 PERCENT (ASTM D1557)
 - 4" THICK, CLEAN FREE-DRAINING MATERIAL SUCH AS 1/2" COARSE AGGREGATE
 - REFER TO ARCH DRAWINGS FOR VAPOR BARRIER (10 MIL THICKNESS MIN). INSTALL PER MANUFACTURER'S RECOMMENDATIONS FOR SEALING OF PENETRATIONS, JOINTS AND EDGES.
 - VAPOR BARRIER IS NOT TO BE PUNCTURED DURING CONSTRUCTION OF SLAB ON GRADE.
 - 2" THICK OPTIONAL SAND LAYER, SHALL BE LIGHTLY MOISTENED PRIOR TO PLACING CONCRETE.



CONC STAIRS ON GRADE

2742-01-C1022-1301-42

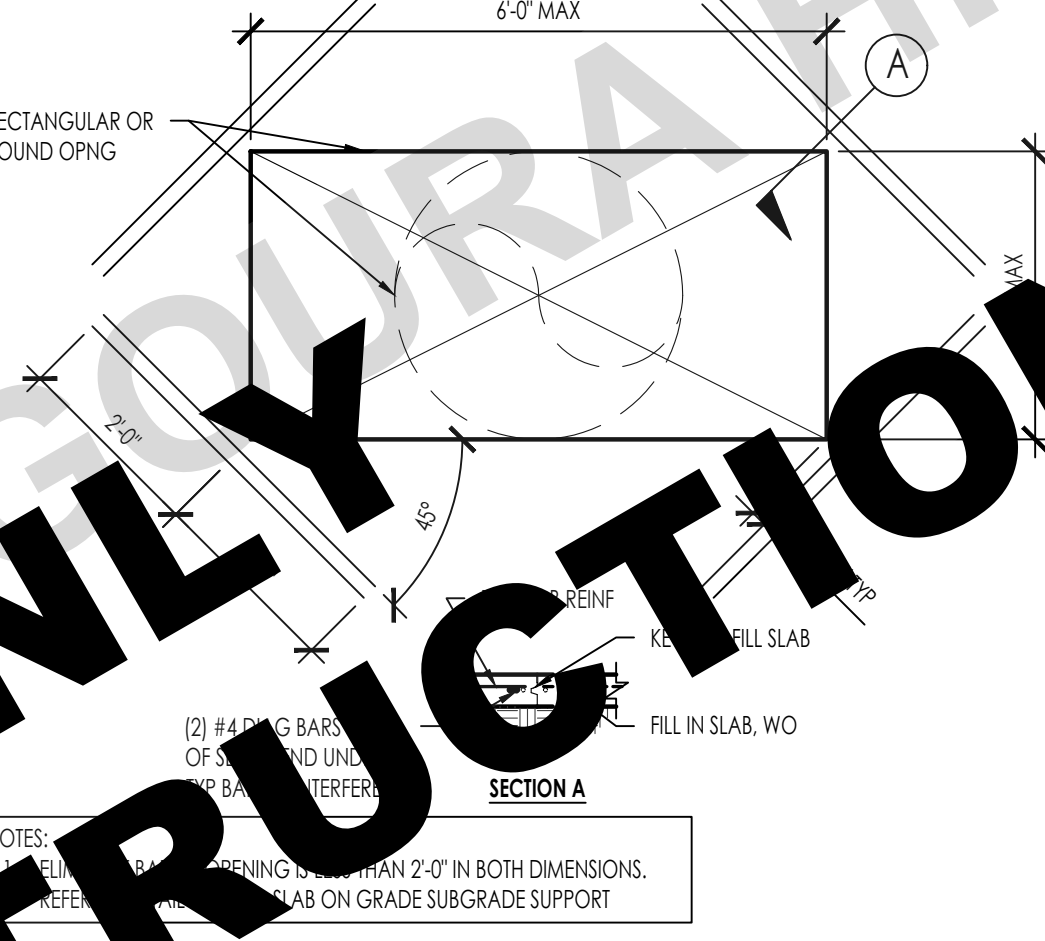


DEEPEMED FTG @ ANCHOR BOLT

2742-01-C1022-1301-52

REINF TIES AND STIRRUPS

2742-01-C1022-1301-21

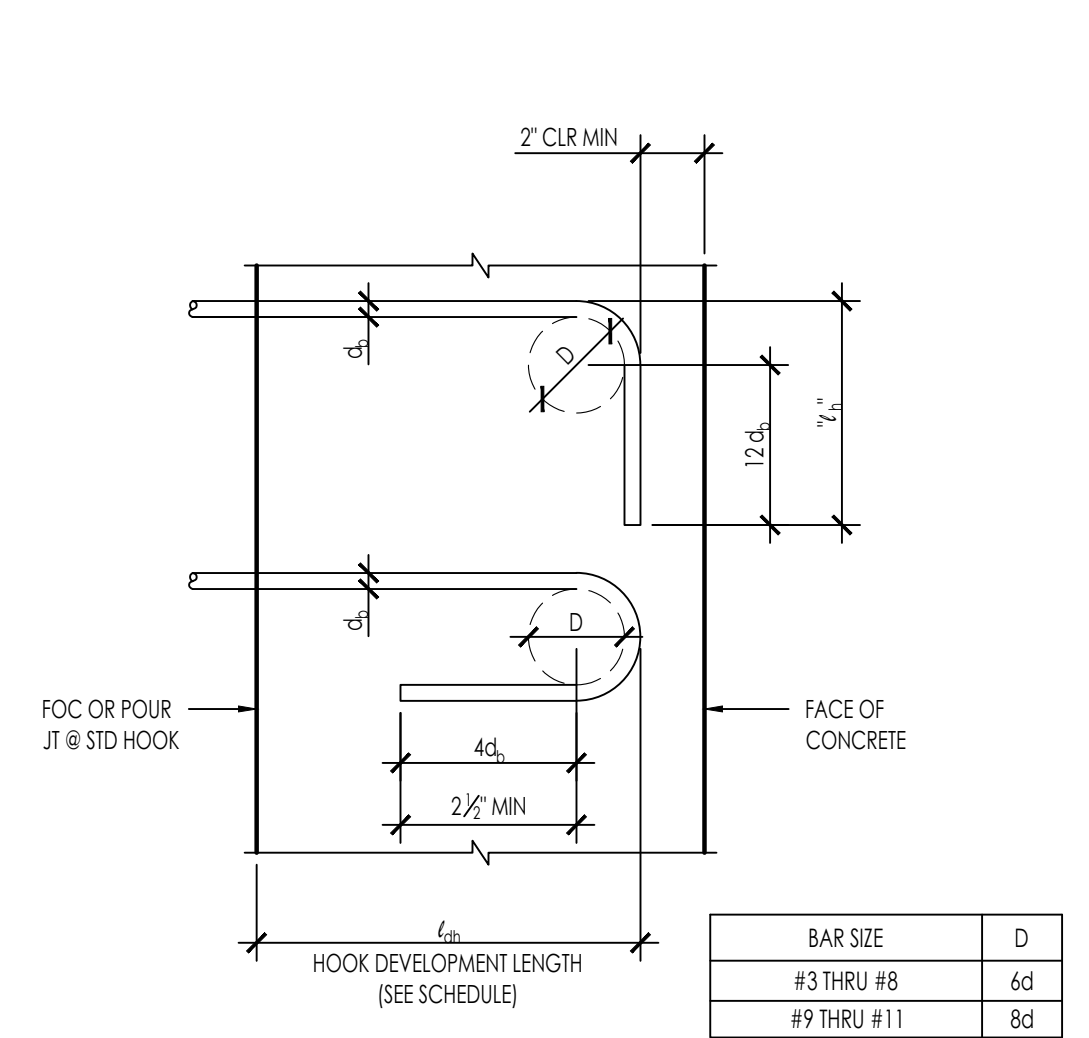


REIN OPENING

2742-01-C1022-1301-22

REINF DEVELOPMENT LENGTH AND SPICES

2742-01-C1022-1301-12



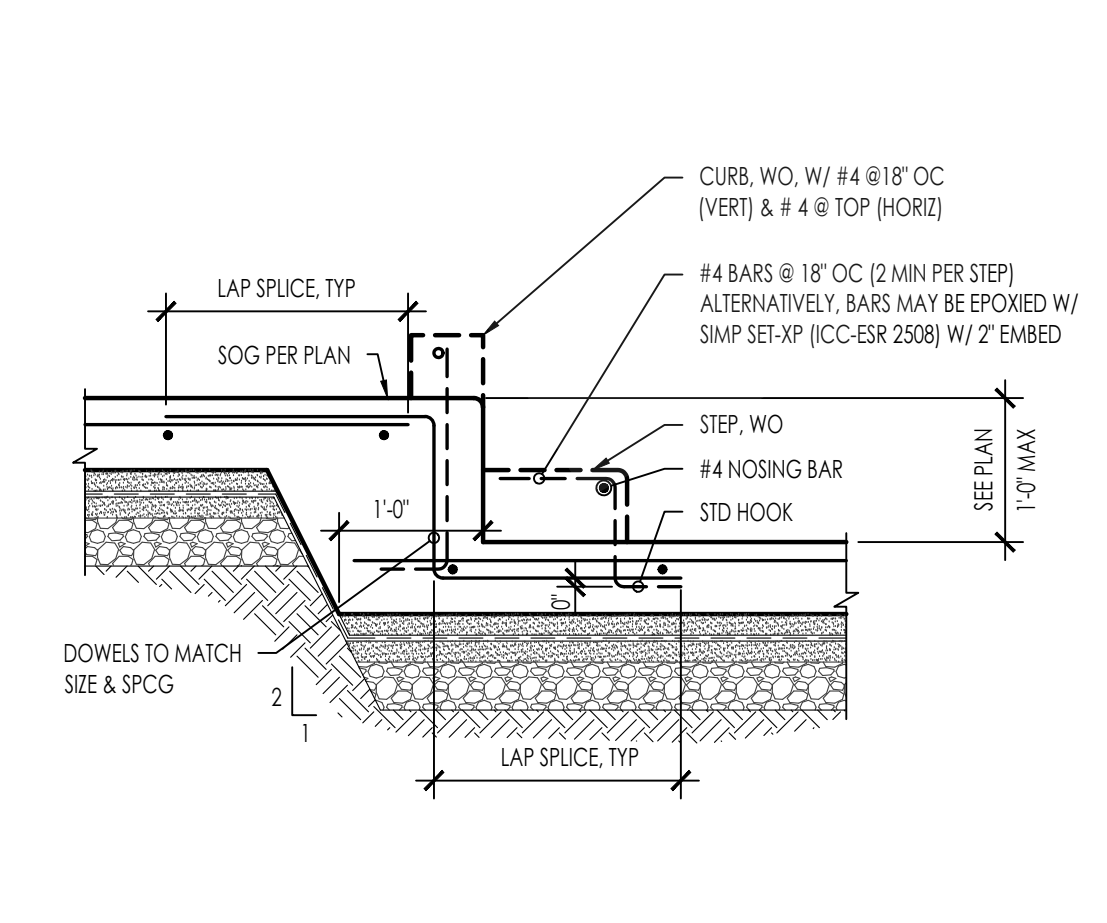
STANDARD HOOK DEVELOPMENT LENGTH l_{dh}

BAR SIZE	D	l_{dh}	NORMAL WEIGHT		
			2,500	3,000	4,000
#3	2 1/4"	6"	0'-9"	0'-9"	0'-8"
#4	3"	8"	1'-0"	0'-11"	0'-10"
#5	3 3/4"	10"	1'-3"	1'-2"	1'-0"
#6	4 1/2"	12"	1'-6"	1'-5"	1'-3"
#7	5 1/4"	1'-2"	1'-9"	1'-8"	1'-5"
#8	6"	1'-4"	2'-0"	1'-10"	1'-7"
#9	9 1/2"	1'-7 1/2"	2'-3"	2'-1"	1'-10"
#10	10 3/4"	1'-10"	2'-7"	2'-4"	2'-1"
#11	12"	2'-0 1/2"	2'-10"	2'-7"	2'-3"

- NOTES:**
- ALL HOOKED BARS SHALL EXTEND AS FAR AS POSSIBLE WITH A MINIMUM 2" END COVER AND WITH EMBEDMENT NOT LESS THAN SHOWN ON THE SCHEDULE UNLESS NOTED OTHERWISE ON PLANS.
 - MINIMUM SIDE COVER = 2d.
 - FOR LIGHTWEIGHT CONCRETE MULTIPLY LENGTHS IN SCHEDULE BY 1.3.

SLAB ON GRADE EDGE AND SUBGRADE PREP

2742-01-C1022-1301-53

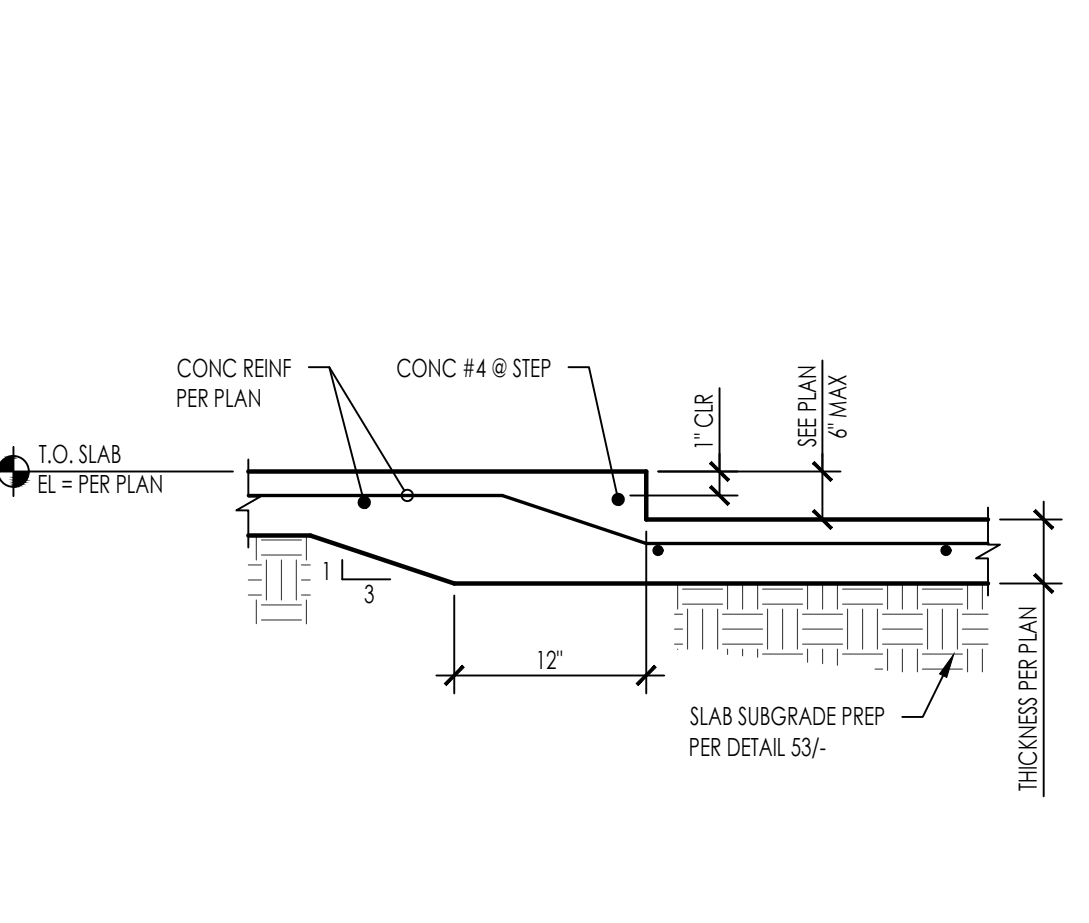


STEP IN CONCRETE SLAB ON GRADE

2742-01-C1022-1301-54

SLEEVE THROUGH FOUNDATION (SLAB TURN-DOWN)

2742-01-C1022-1301-43

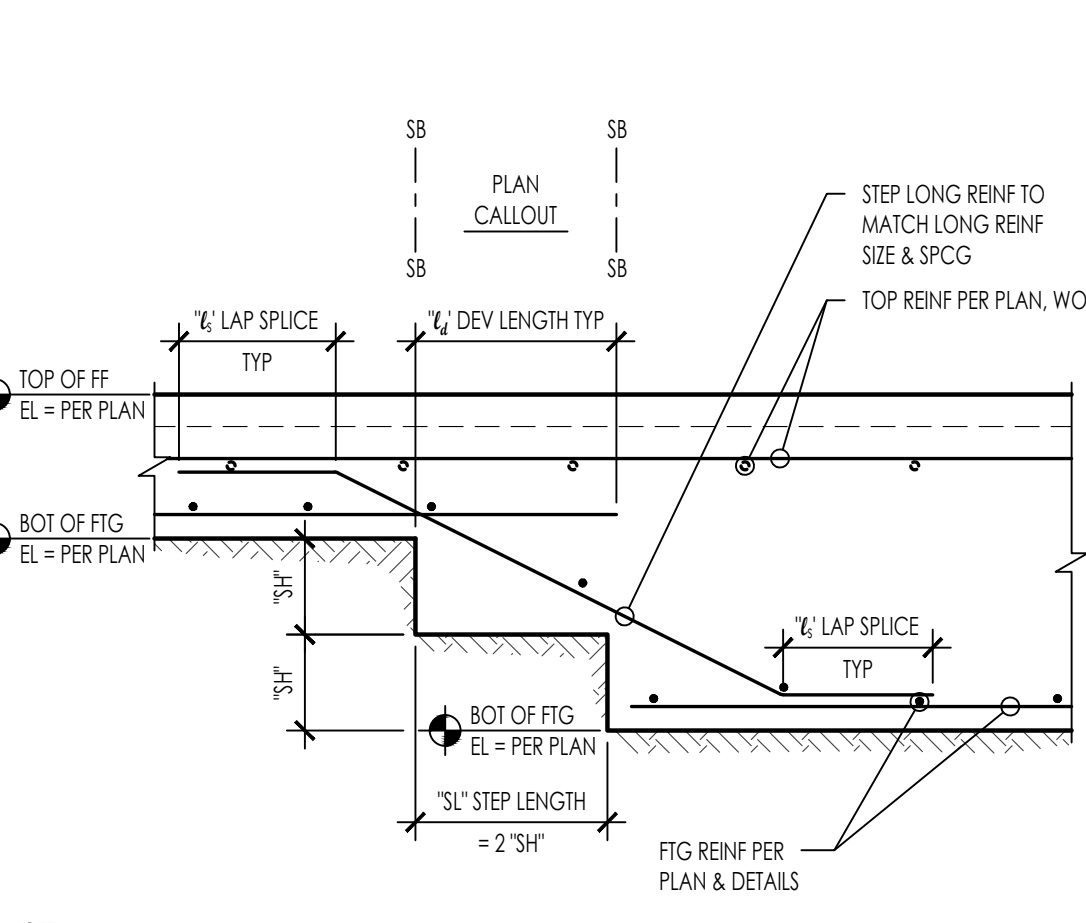


SLAB ON GRADE DEPRESSION

2742-01-C1022-1301-44

STEP FOOTING

2742-01-C1022-1301-33

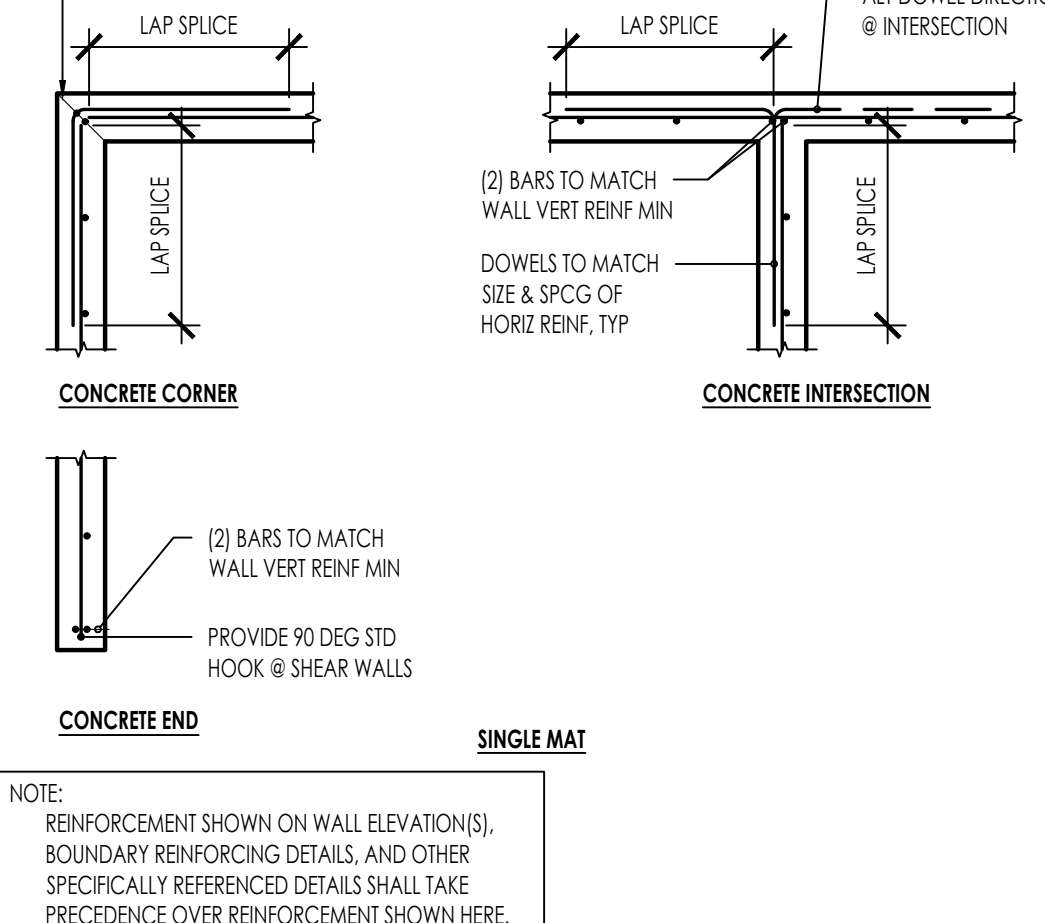


STEPPED FOOTING (BOTTOM ONLY)

2742-01-C1022-1301-34

CONC REIN @ INTERSECTION

2742-01-C1022-1301-24



CONC REIN @ INTERSECTION

2742-01-C1022-1301-24

REINF HOOK DEVELOPMENT LENGTH AND BENDS

2742-01-C1022-1301-14

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TYPICAL CONCRETE DETAILS

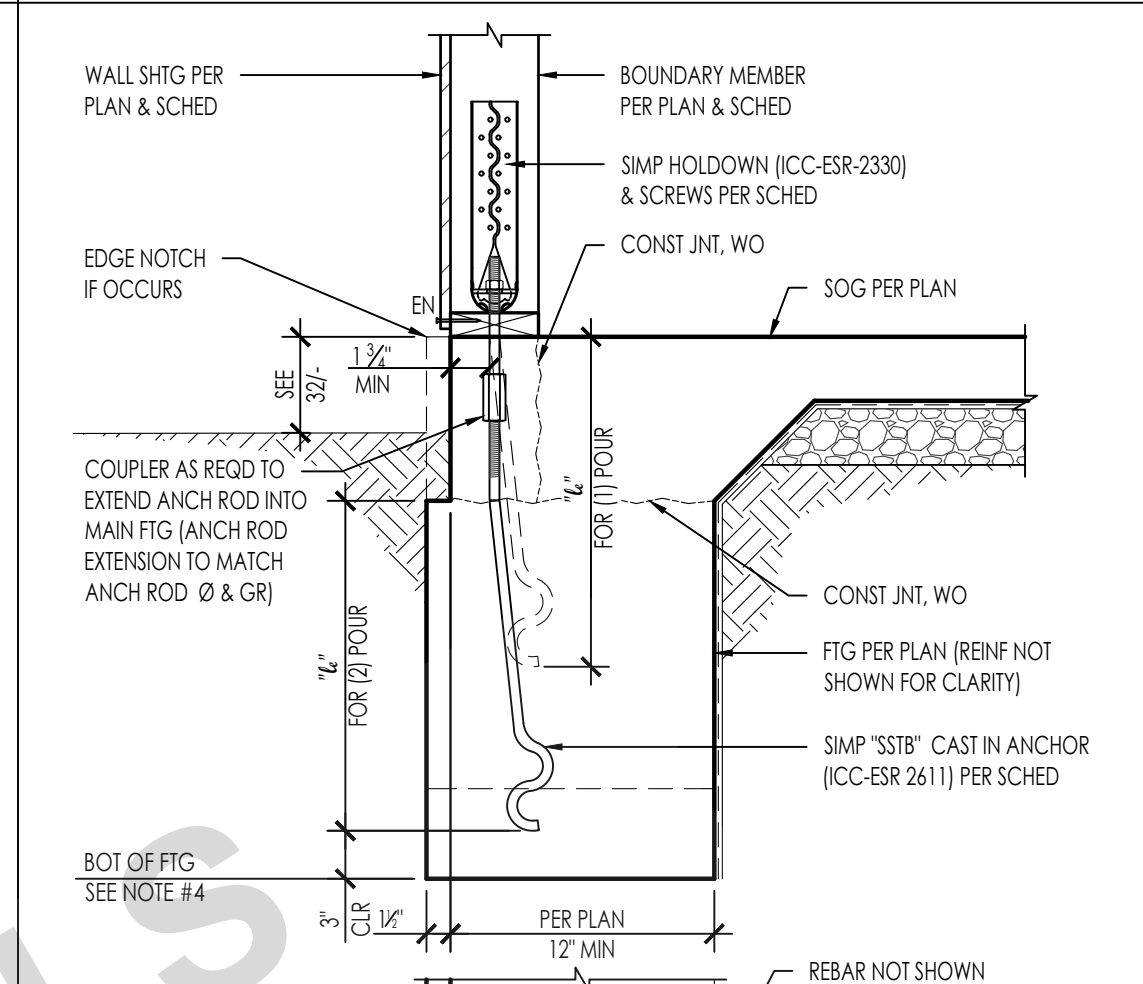
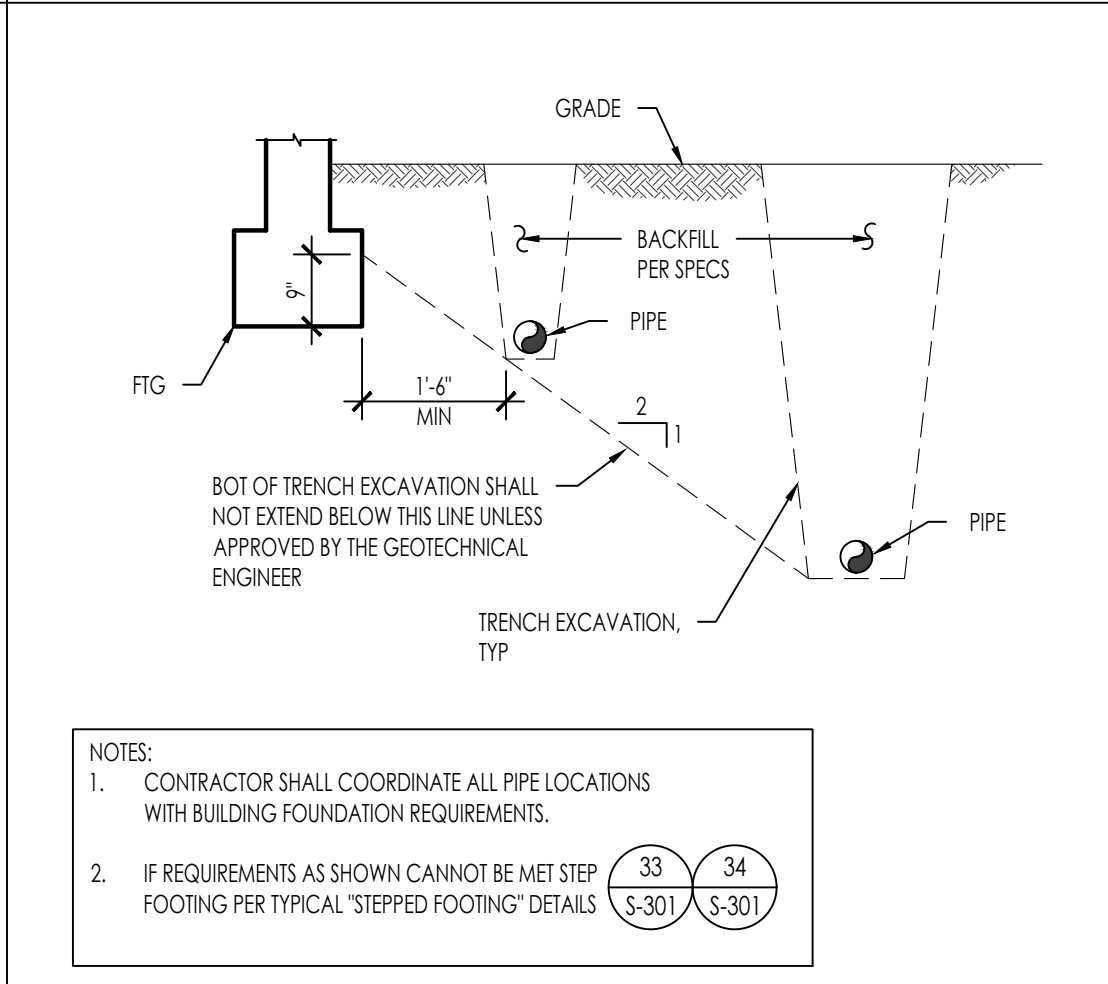
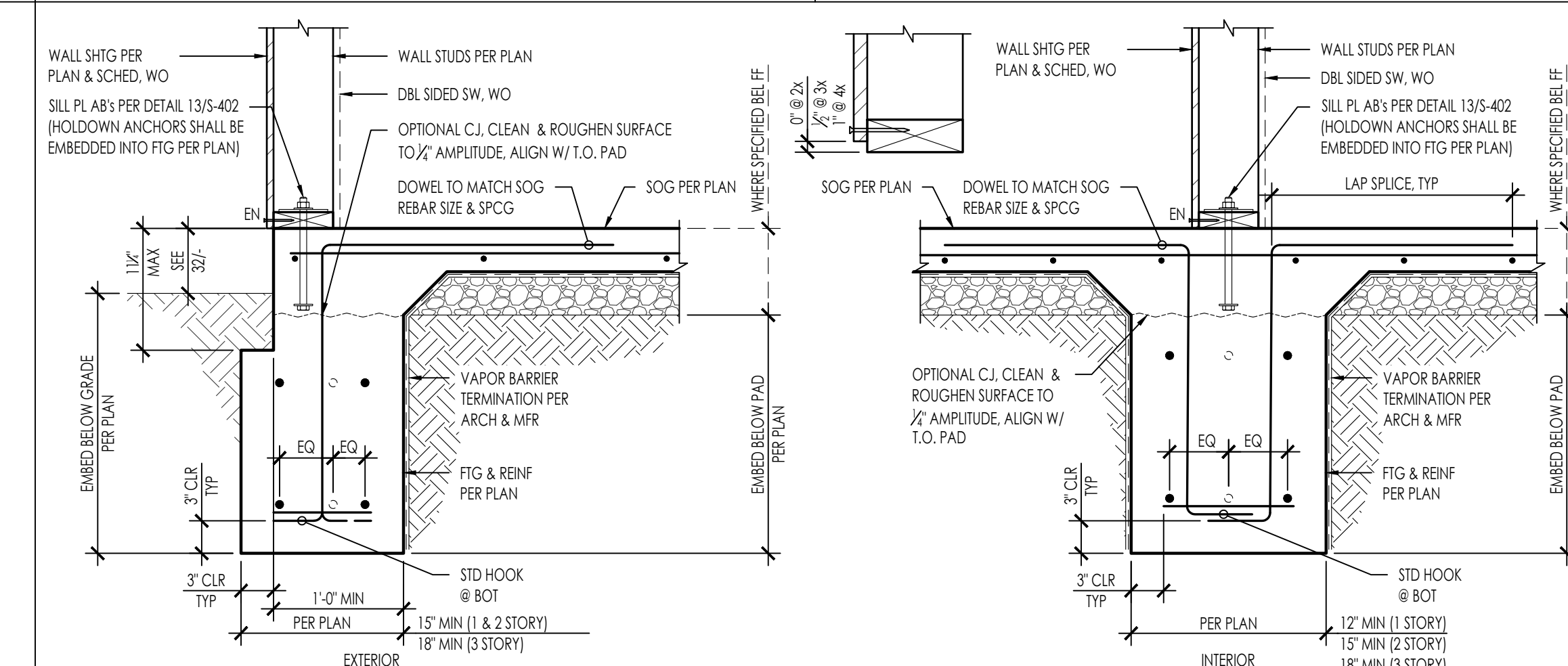
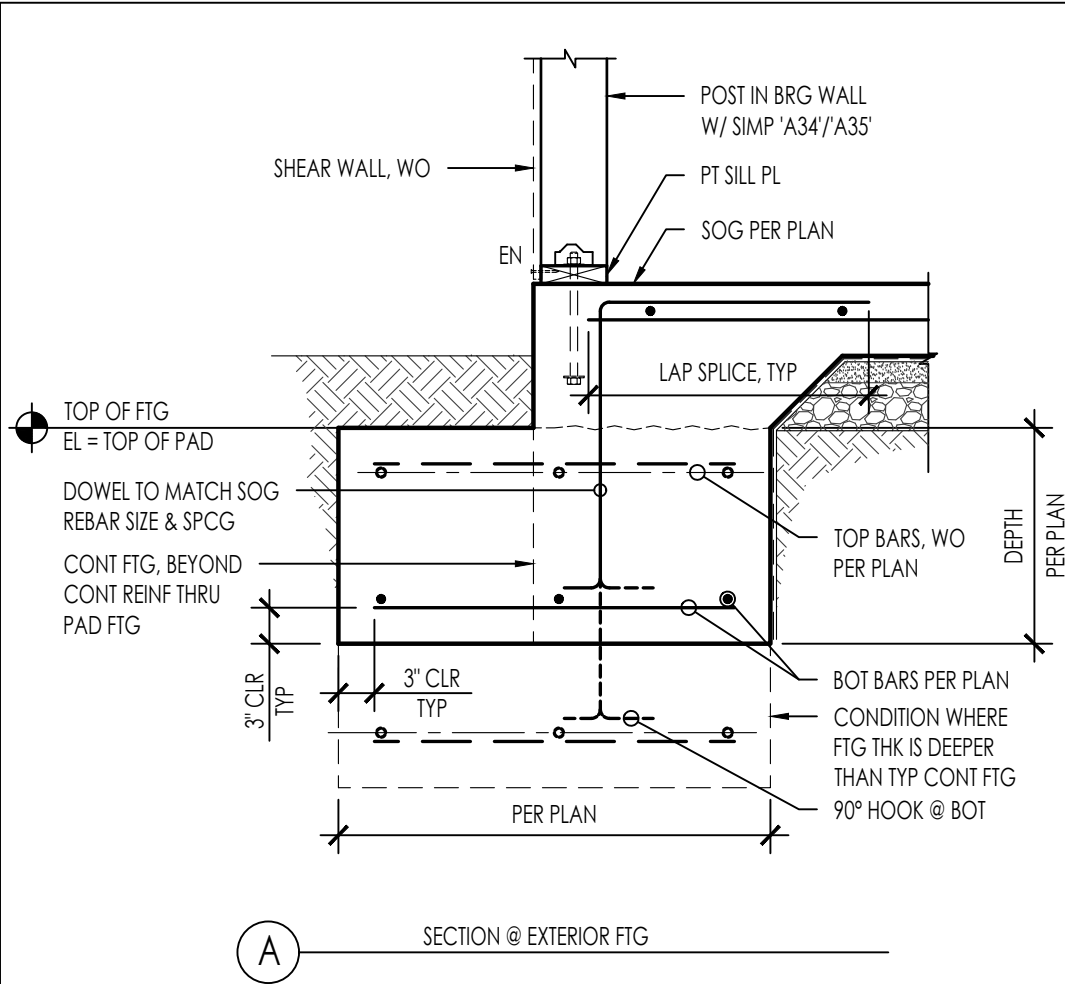
APPROVED SET

DATE
09/28/23
SHEET

S1-301

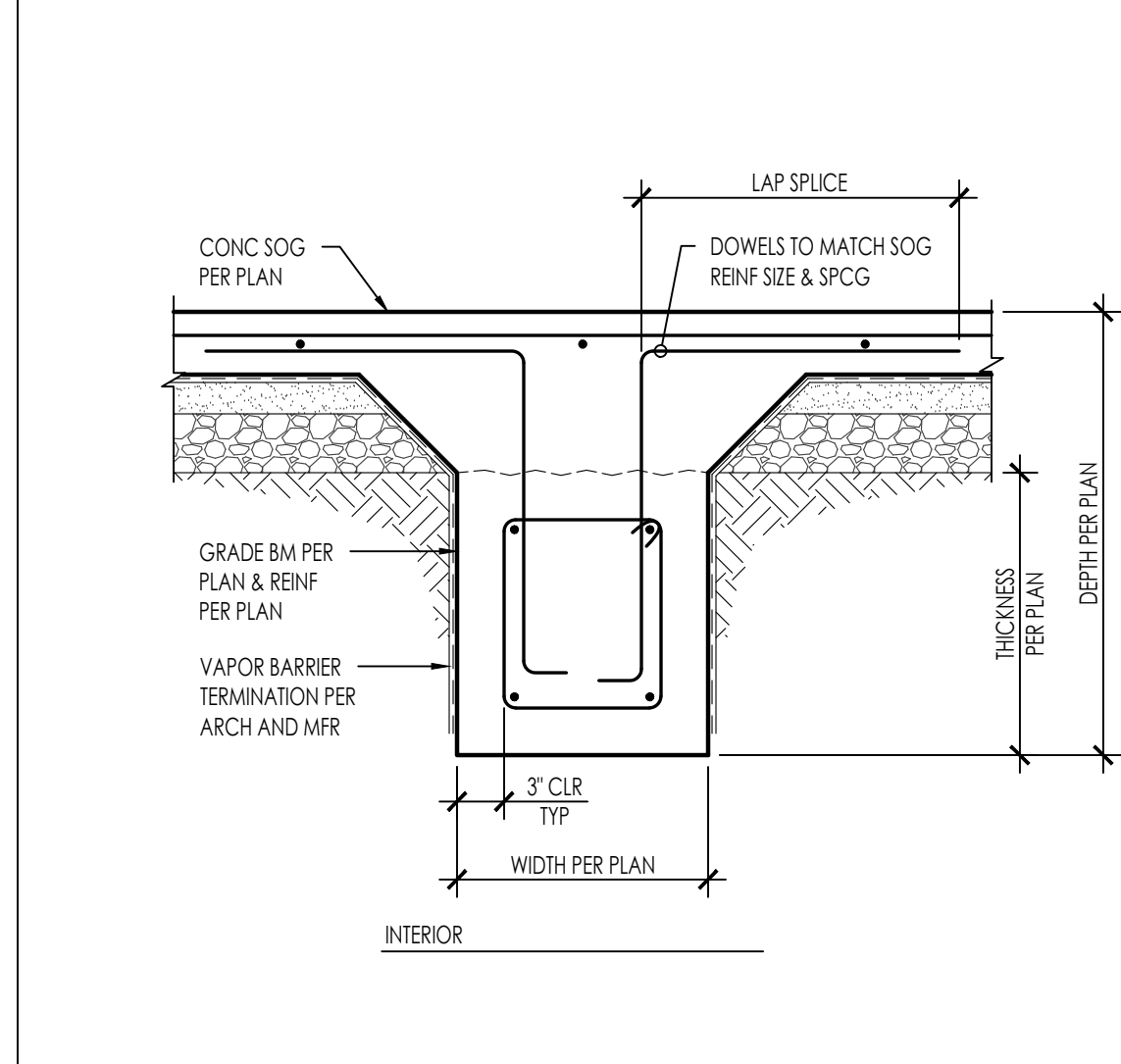
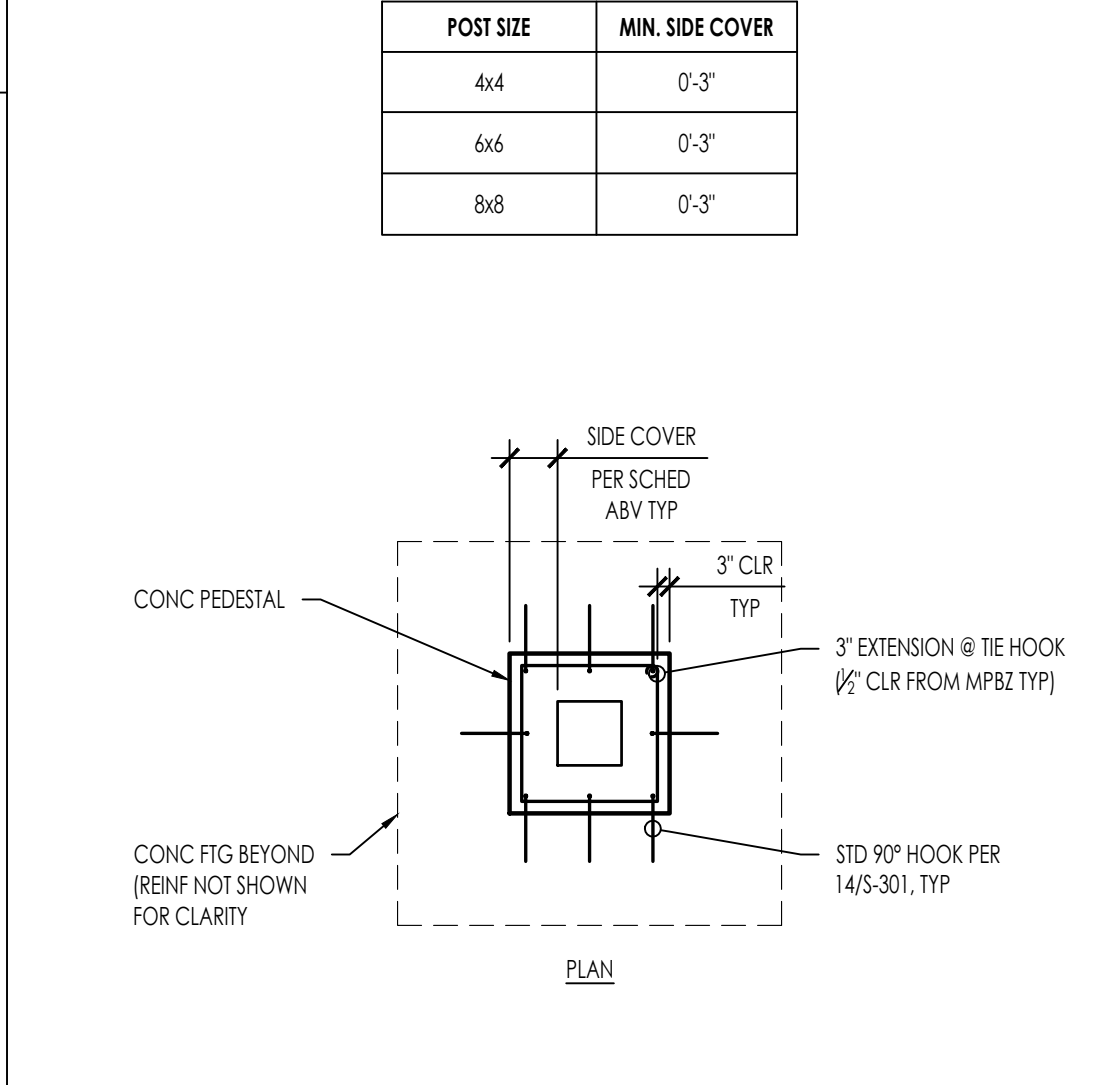
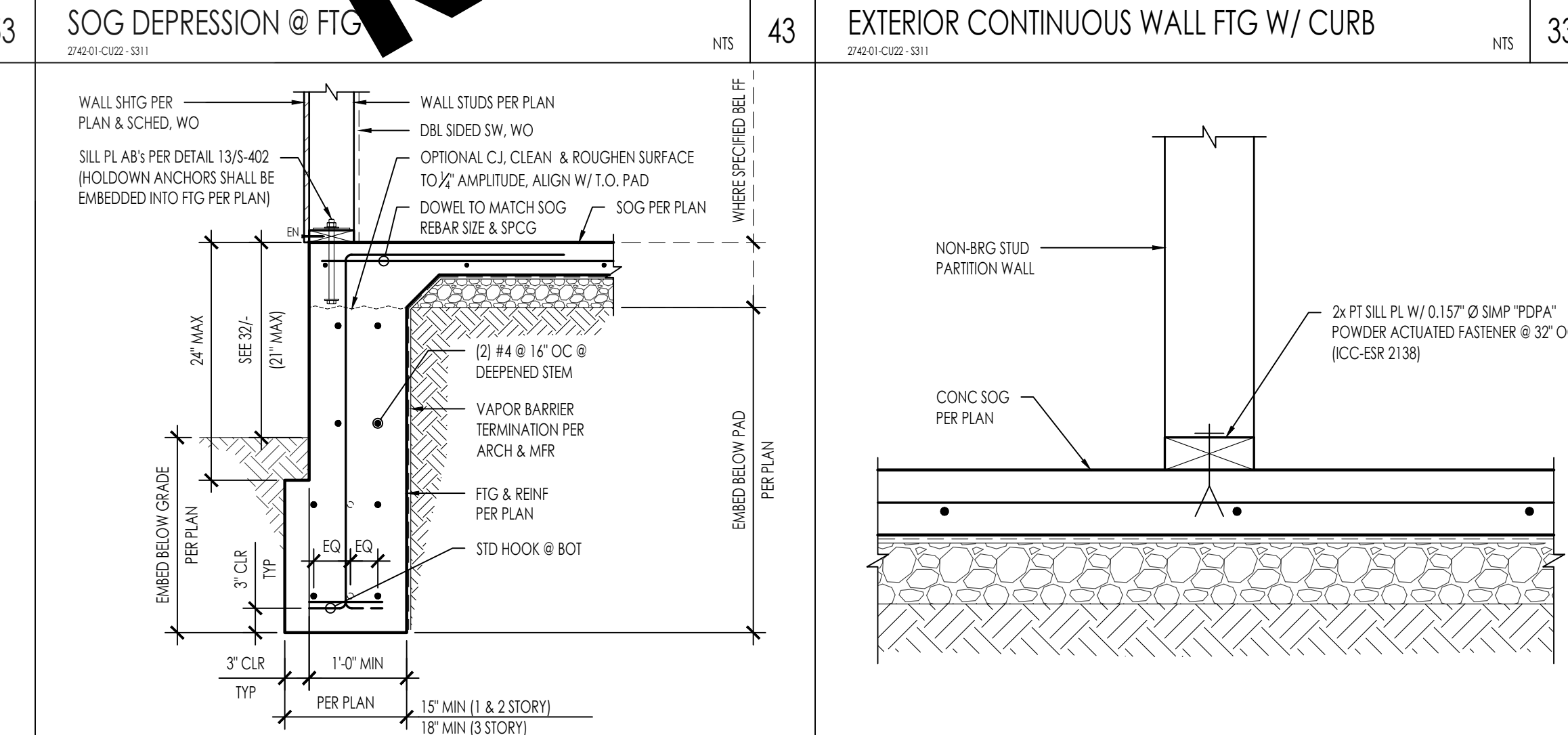
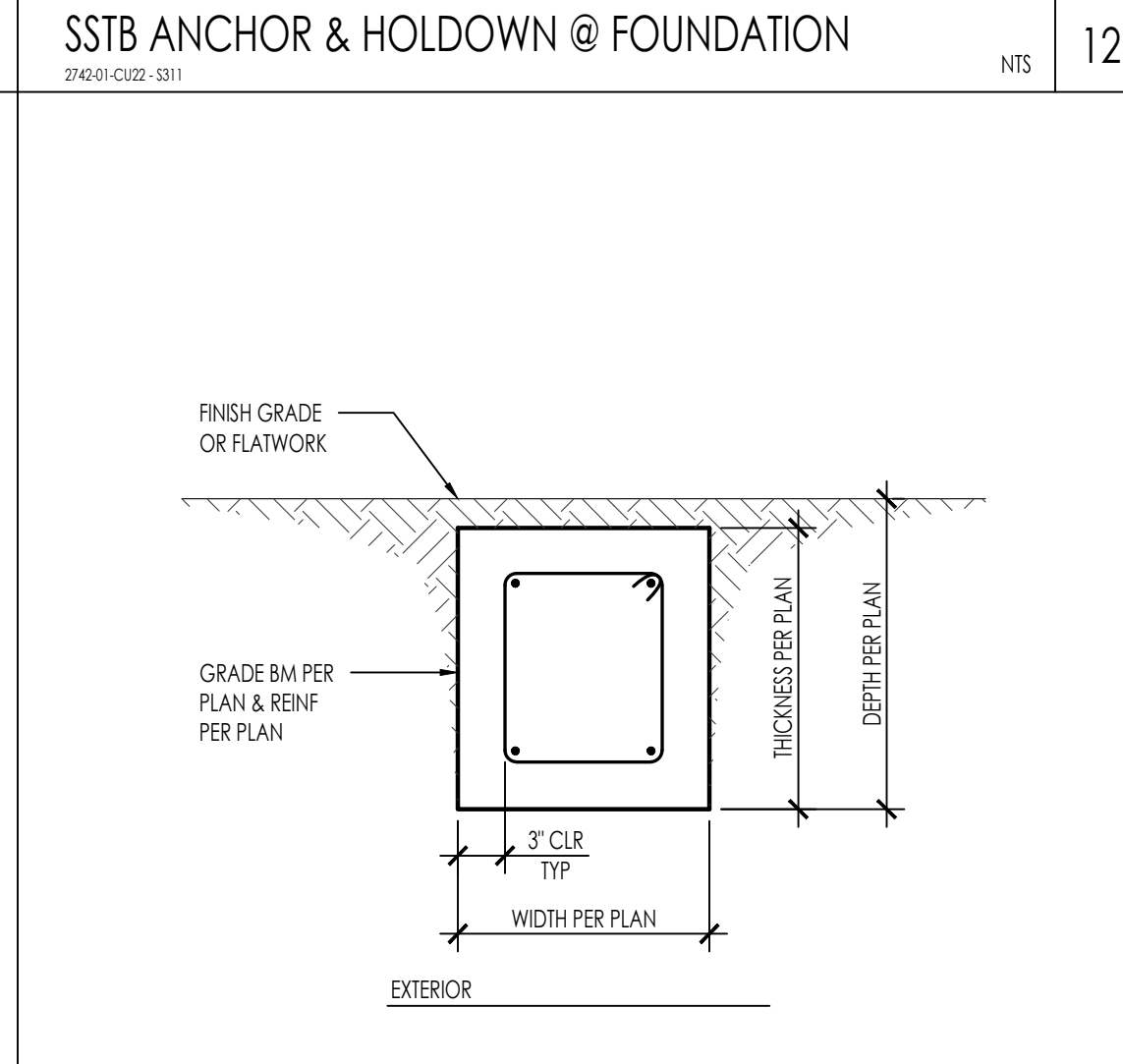
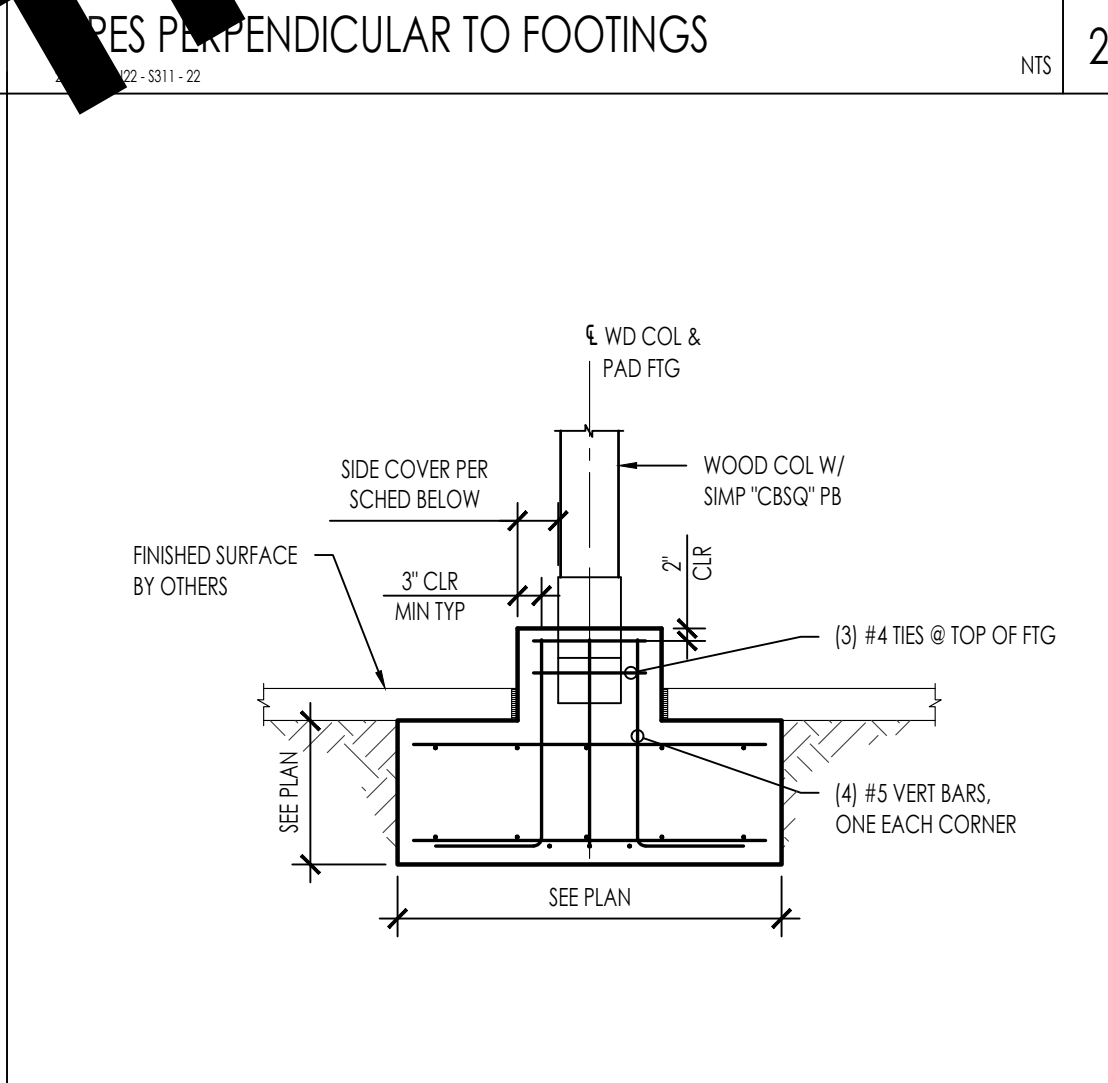
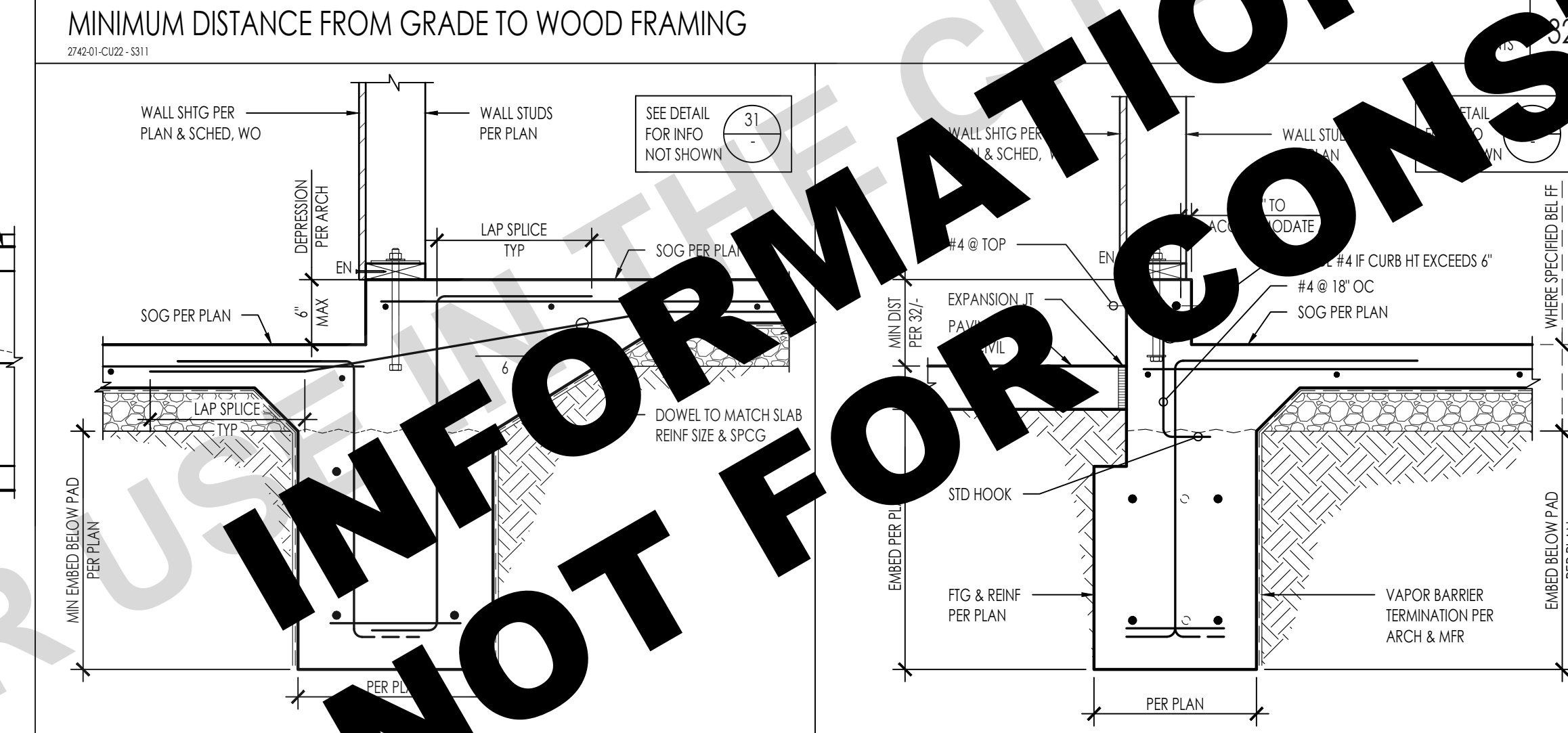
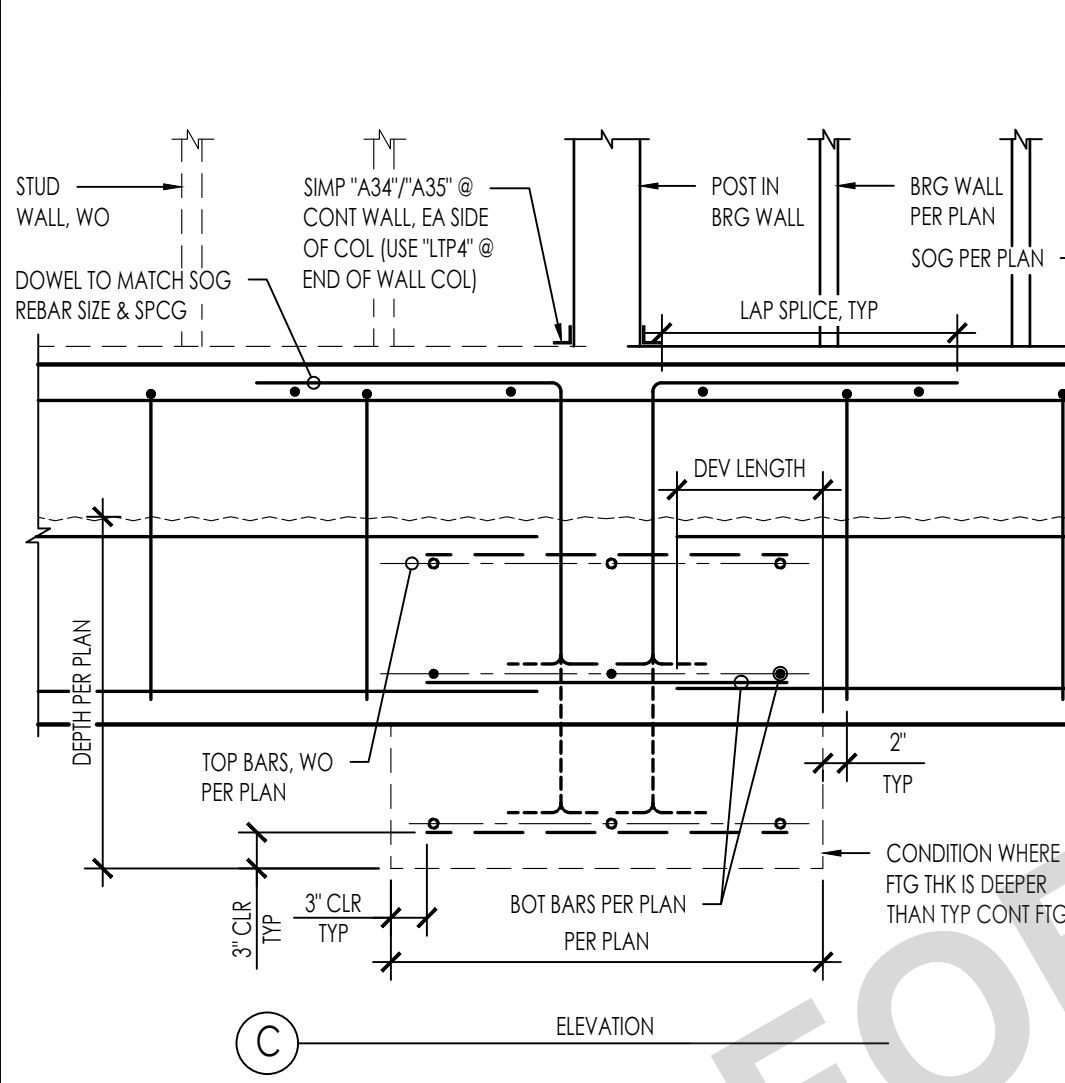
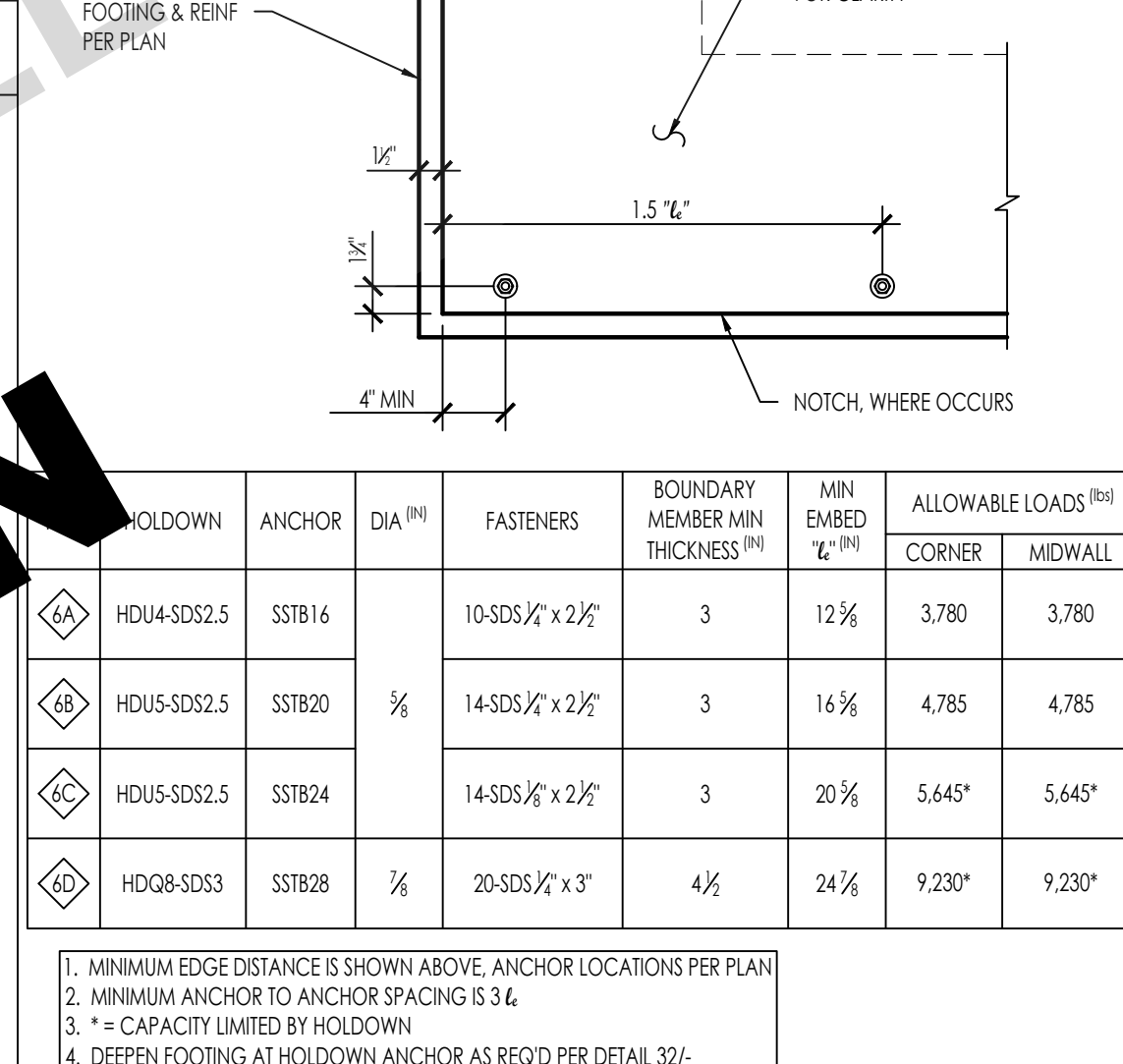
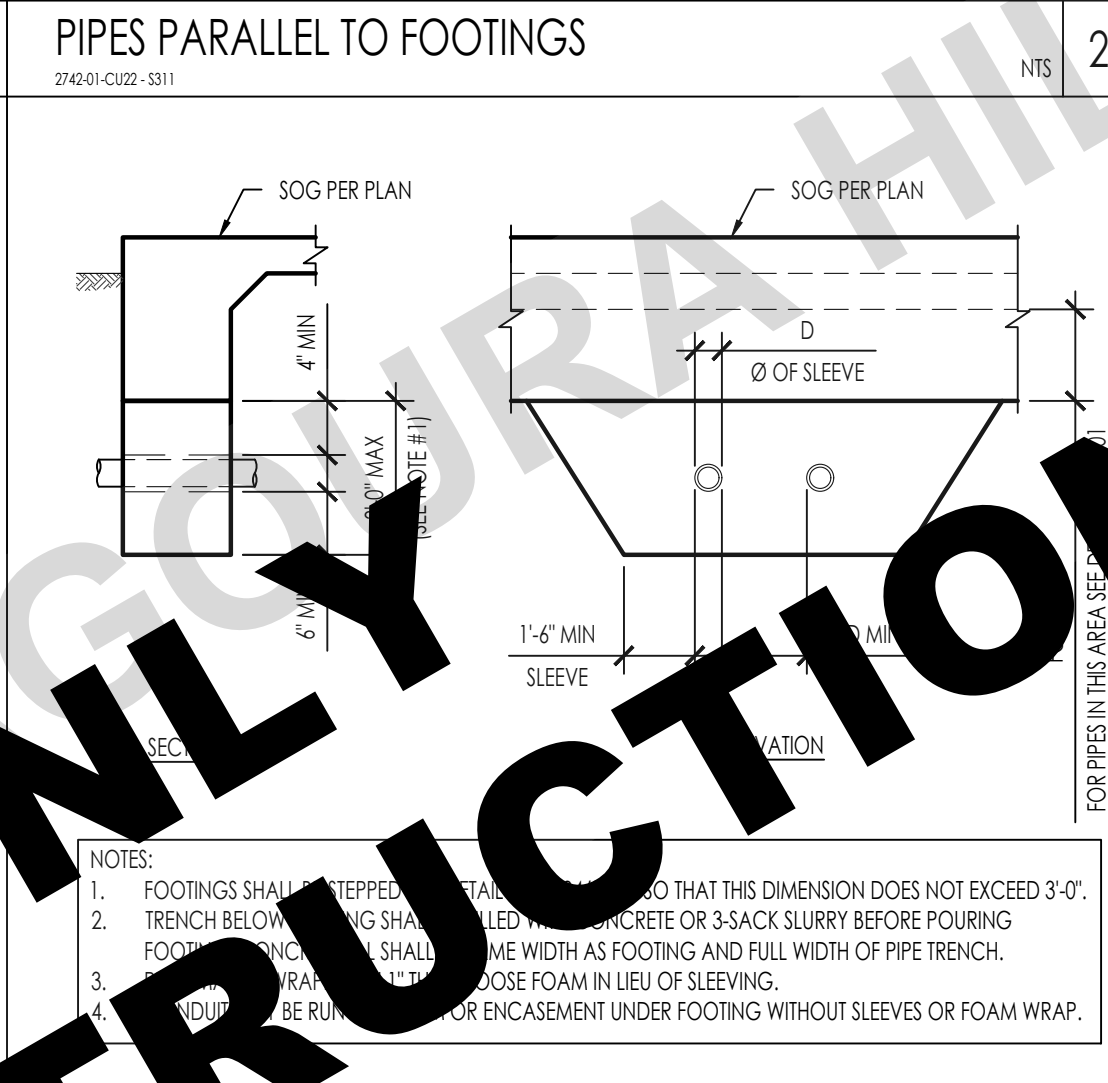
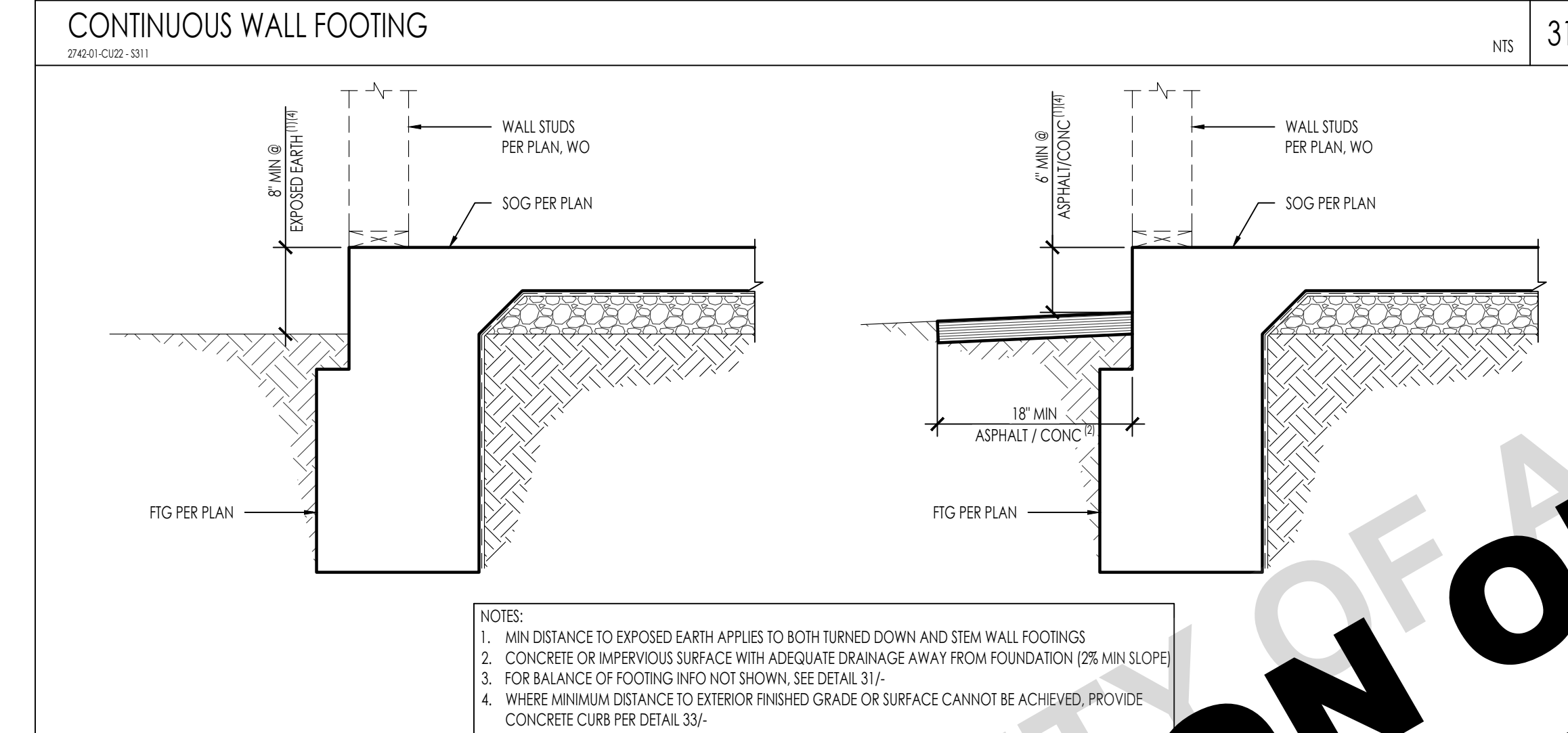
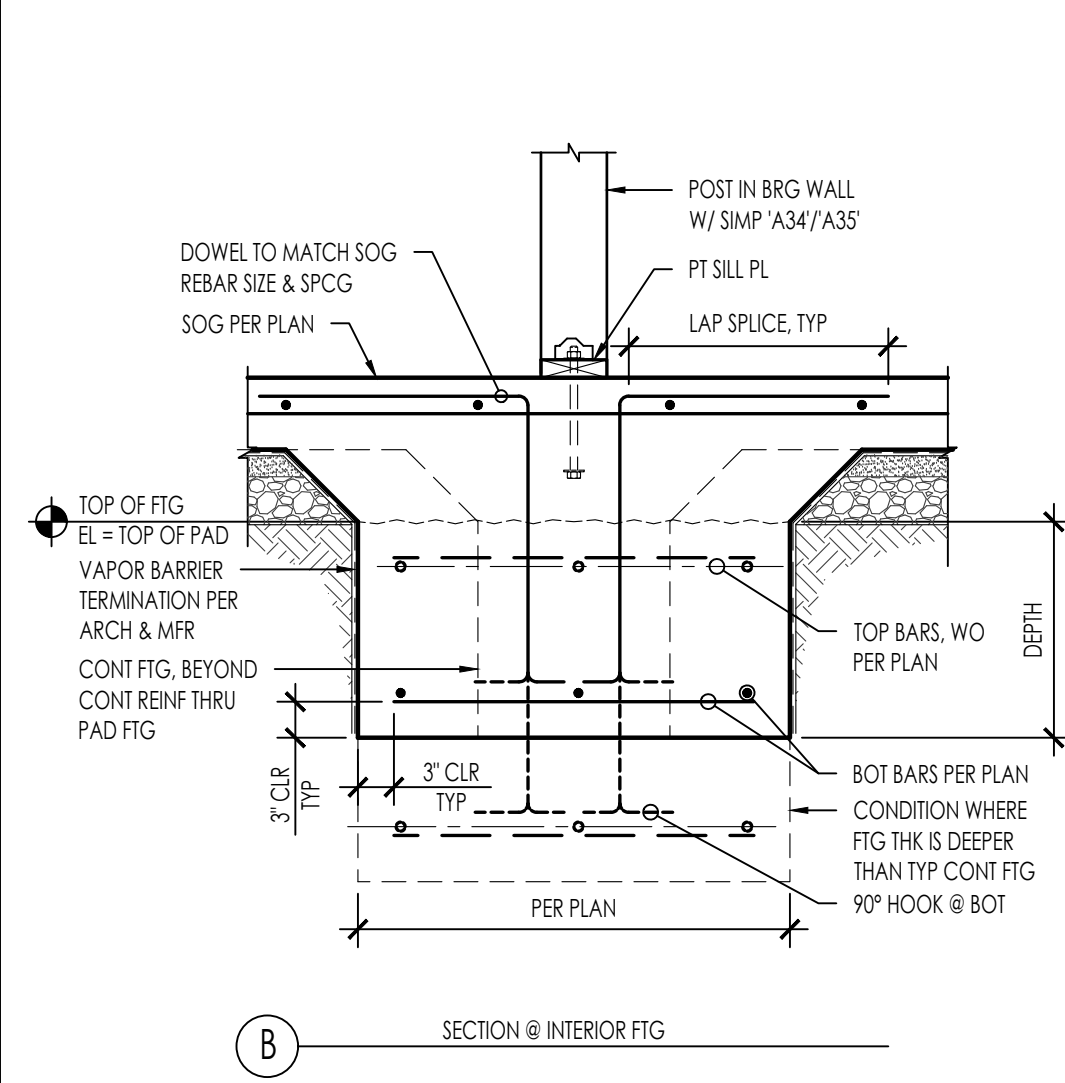
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HOLDOWN	ANCHOR	DIA (IN)	FASTENERS	BOUNDARY MEMBER MIN THICKNESS (IN)	MIN EMBED 1/4 (IN)	ALLOWABLE LOADS (KIP)	CORNER	MIDWALL
3/4"	HDU4-SDS2.5	SSTB16	10-SDS 7/8" x 2 1/2"	3	12 3/4"	3,780	3,780	
3/4"	HDU5-SDS2.5	SSTB20	14-SDS 7/8" x 2 1/2"	3	16 3/4"	4,785	4,785	
3/4"	HDU5-SDS2.5	SSTB24	14-SDS 7/8" x 2 1/2"	3	20 3/4"	5,645*	5,645*	
3/4"	HDO8-SDS3	SSTB28	20-SDS 7/8" x 3"	4 1/2"	24 3/4"	9,230*	9,230*	

1. MINIMUM EDGE DISTANCE IS SHOWN ABOVE. ANCHOR LOCATIONS PER PLAN.
2. MINIMUM ANCHOR TO ANCHOR SPACING IS 3 L.
3. * = CAPACITY LIMITED BY HOLDDOWN.
4. DEEPEN FOOTING AT HOLDDOWN ANCHOR AS REQ'D PER DETAIL 32/.



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CITY OF AGOURA HILLS
CONCRETE DETAILS

APPROVED SET

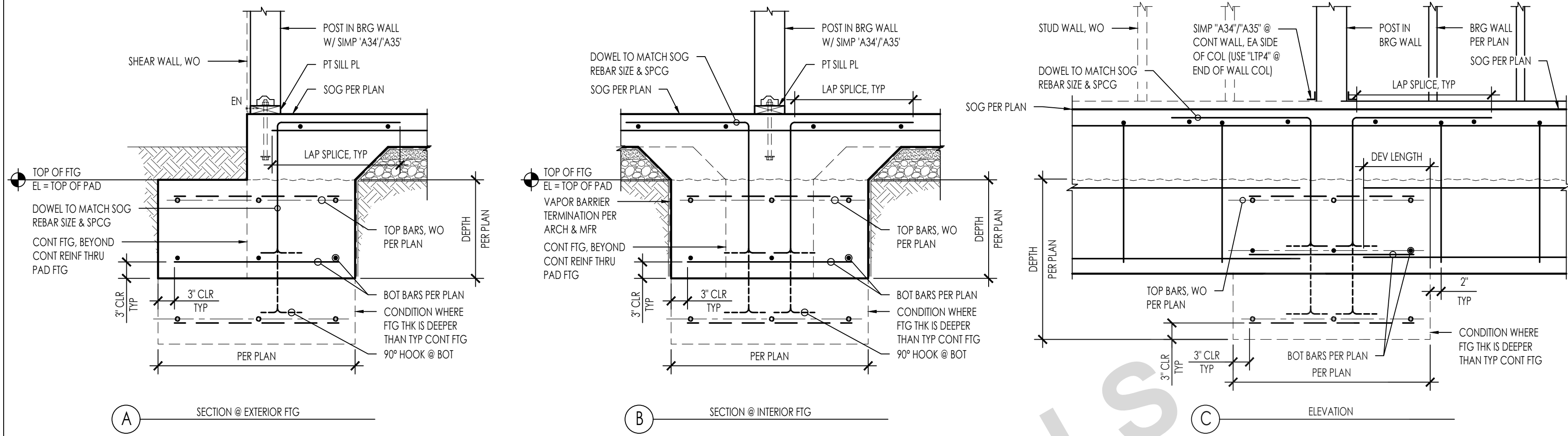
DATE
09/28/23
SHEET

S1-311

FOR USE ONLY IN THE AREA OF THE CITY OF AGOURA HILLS

NOT FOR CONSTRUCTION

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51

41

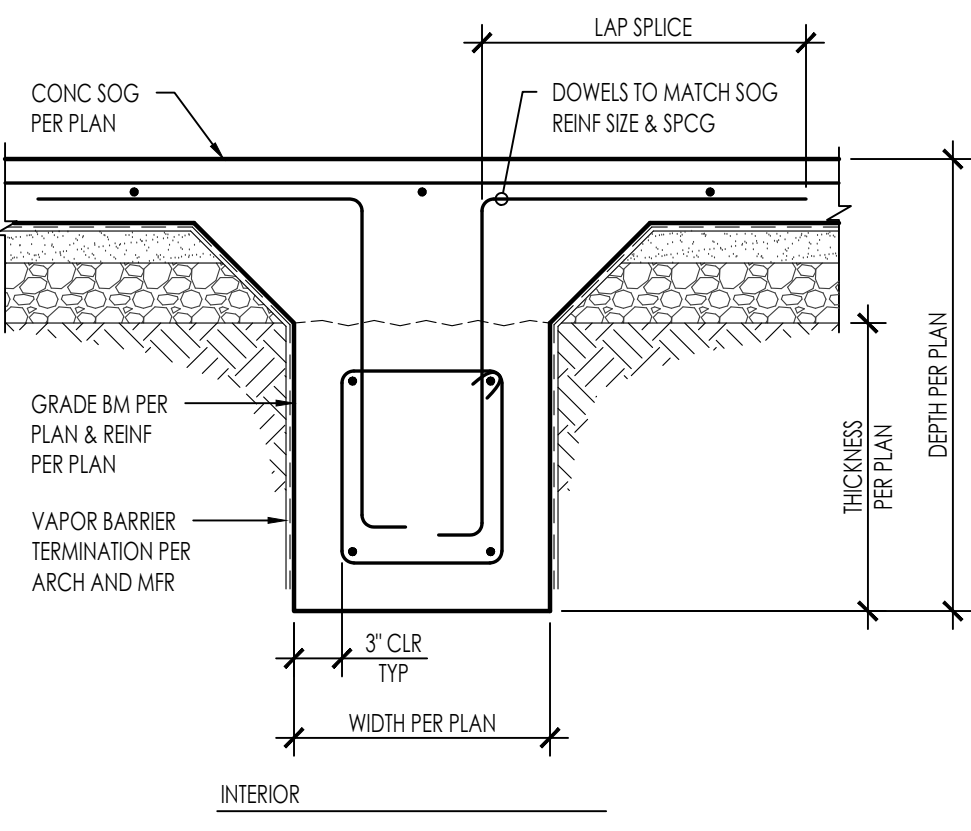
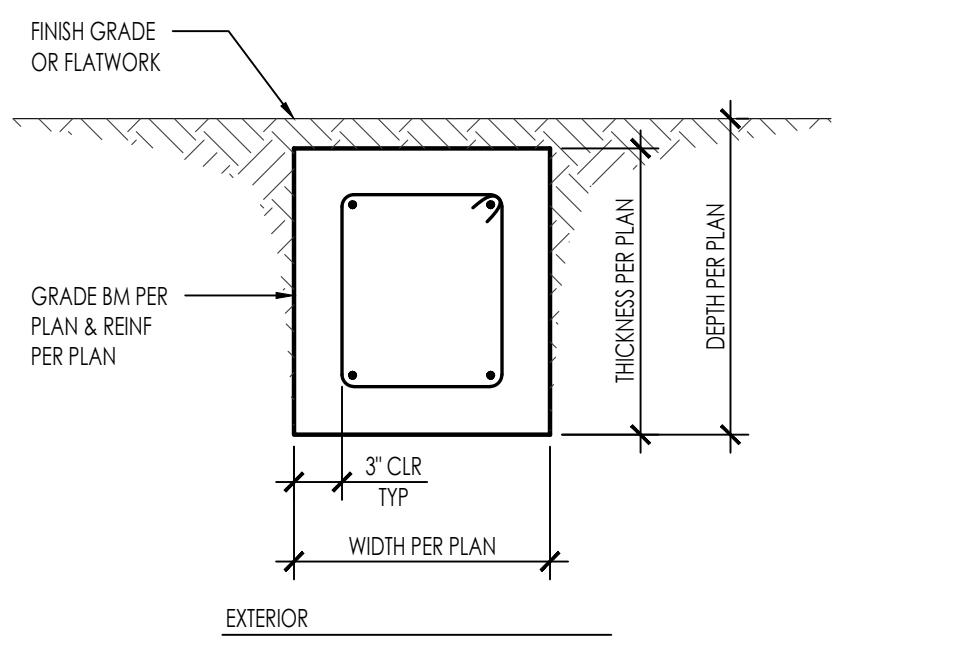
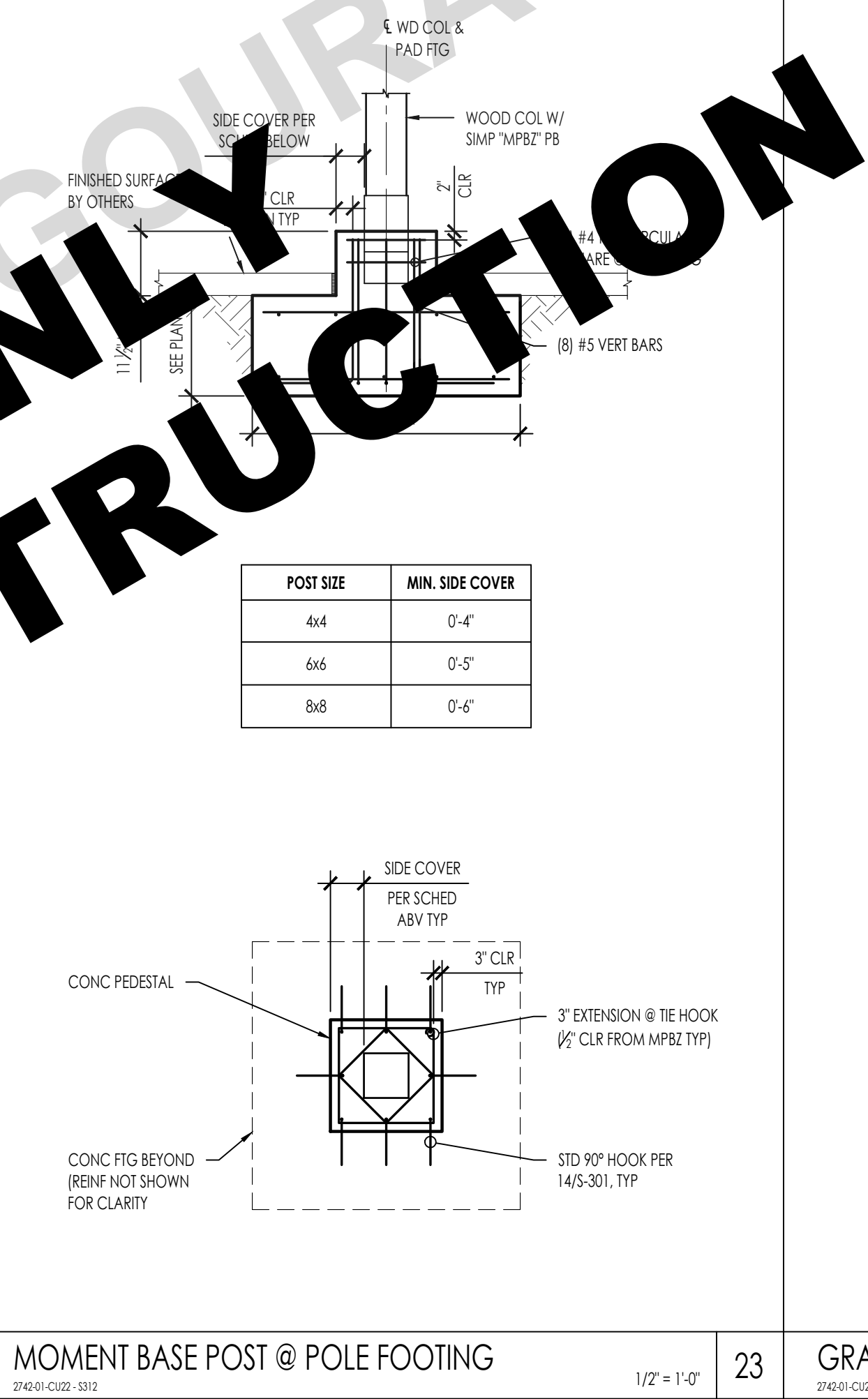
SPREAD FOOTING @ BEARING WALL POST

3/4" = 1'-0" 11

52

42

32



53

43

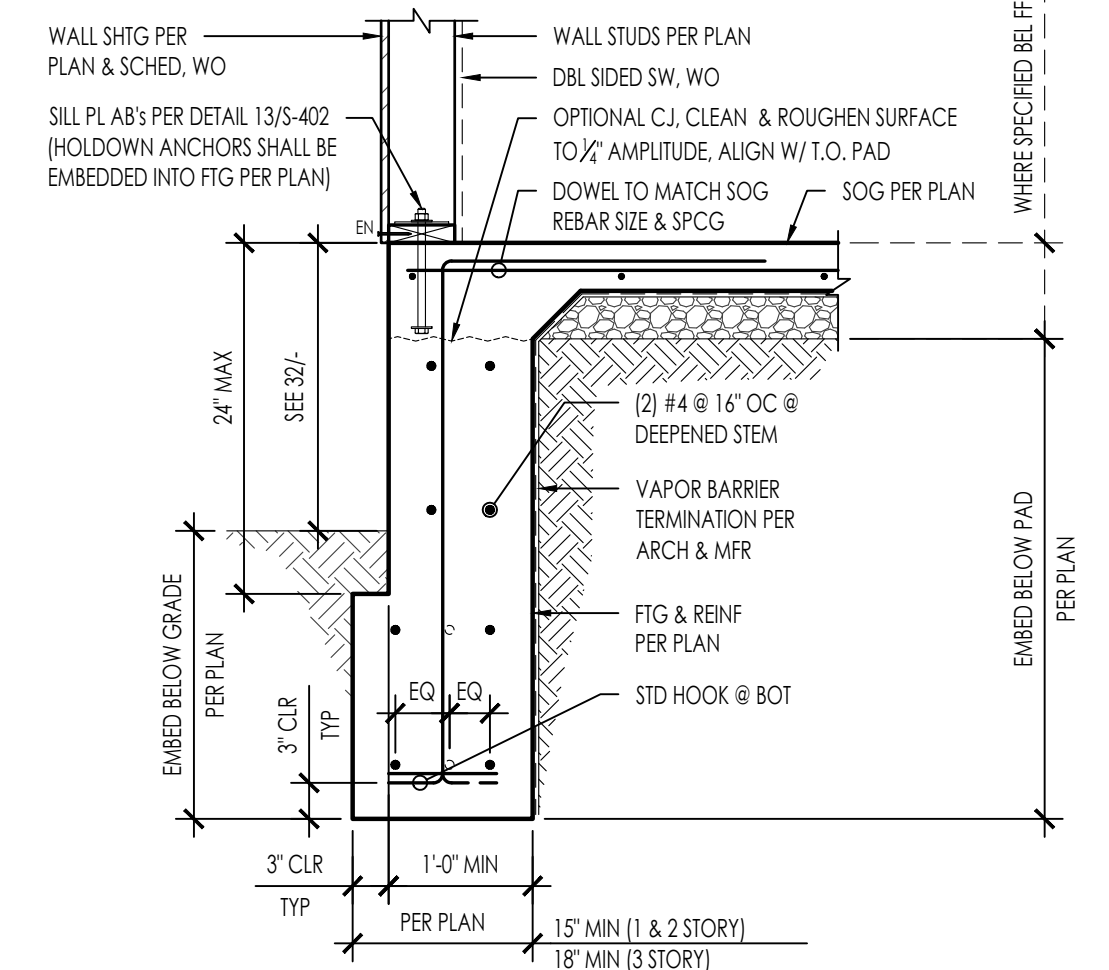
33

MOMENT BASE POST @ POLE FOOTING

1/2" = 1'-0" 23

GRADE BEAM

NTS 13



54

44

34

DEEPEND EXTERIOR FOOTING

3/4" = 1'-0" 14

FOR USE IN THE CITY OF AGOURA HILLS

INFORMATION ONLY

NOT FOR CONSTRUCTION

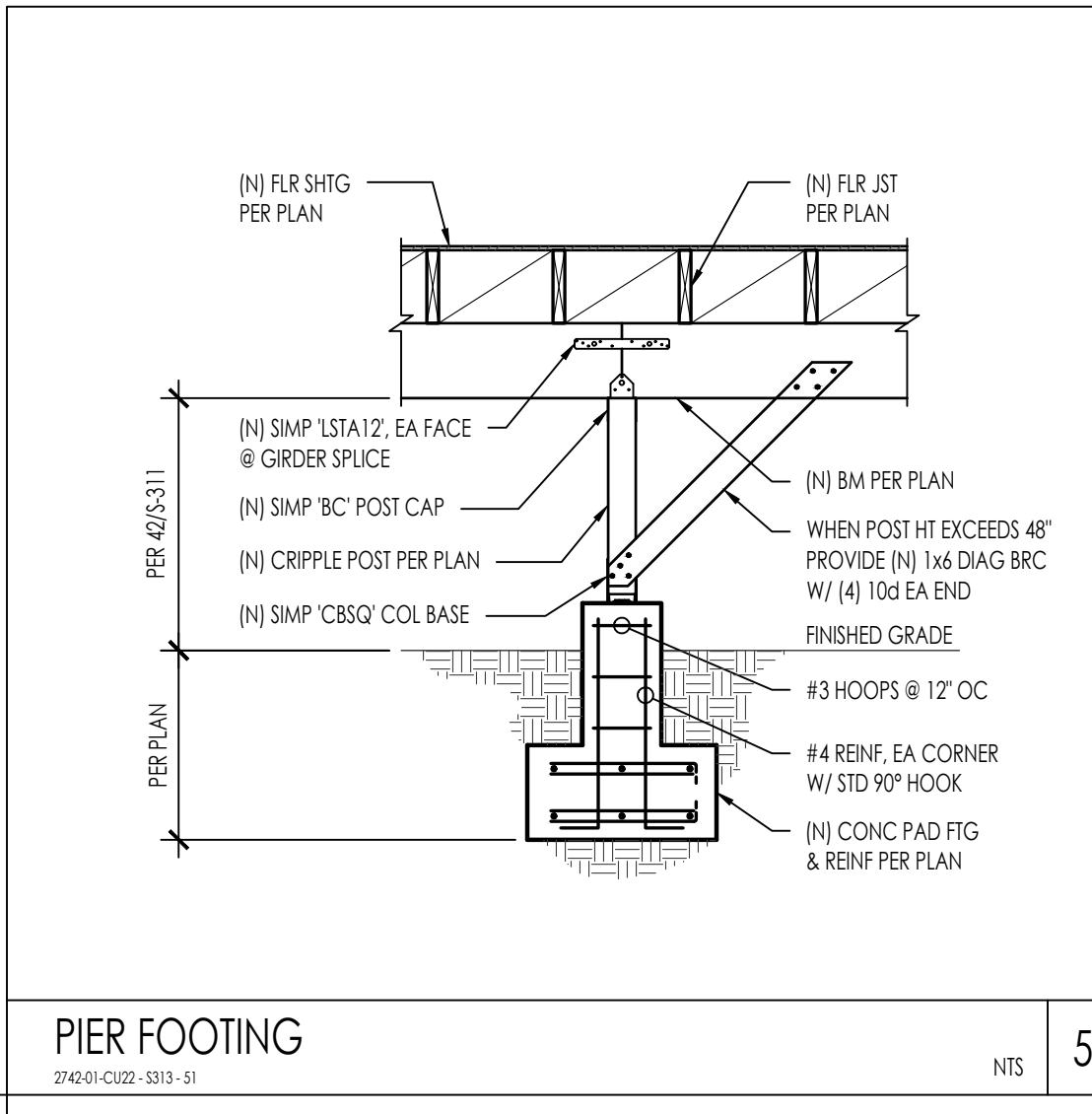
AGOURA HILLS | ADU
CITY OF AGOURA HILLS
CONCRETE DETAILS

APPROVED SET

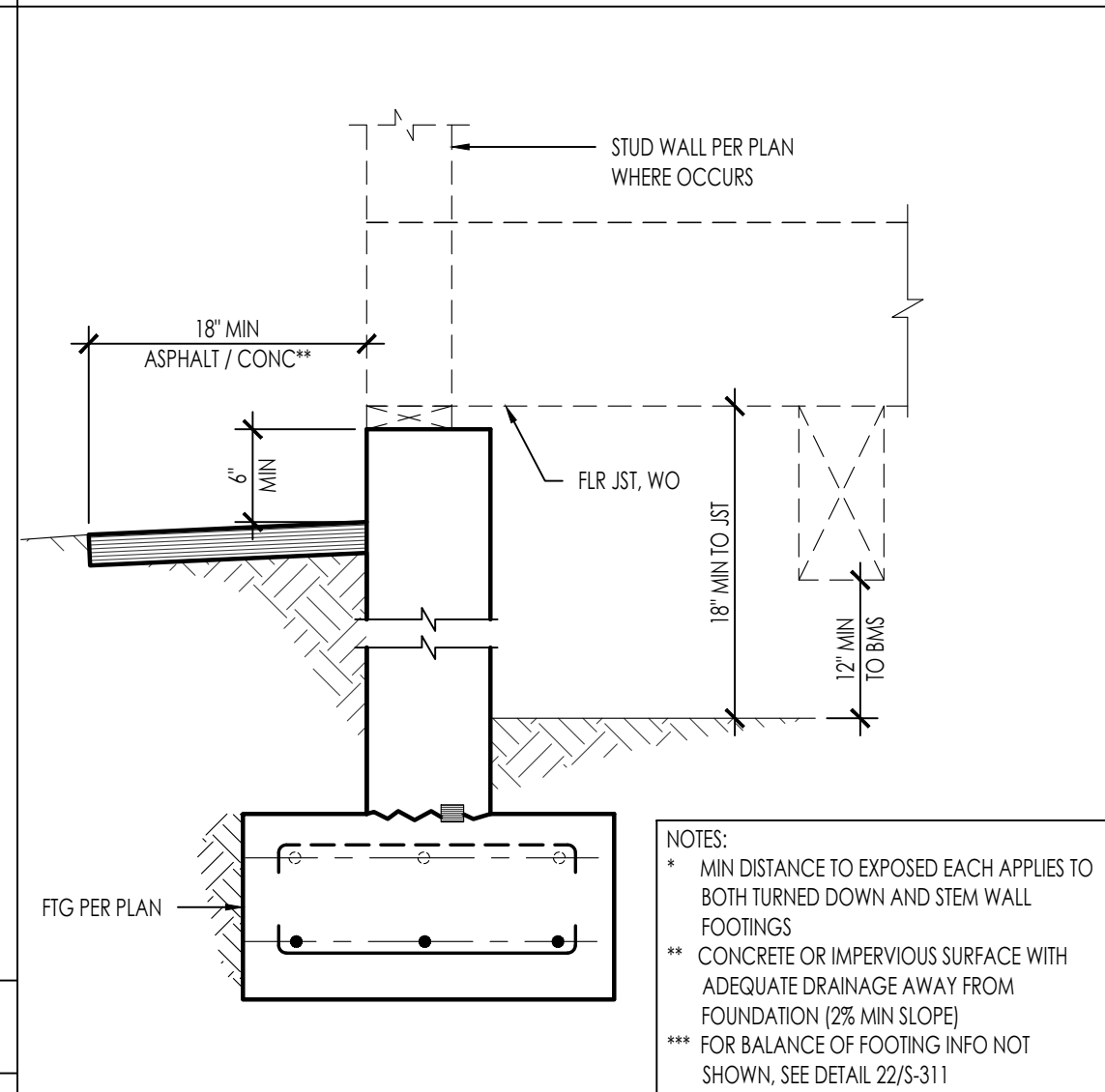
DATE
09/28/23
SHEET

S1-312

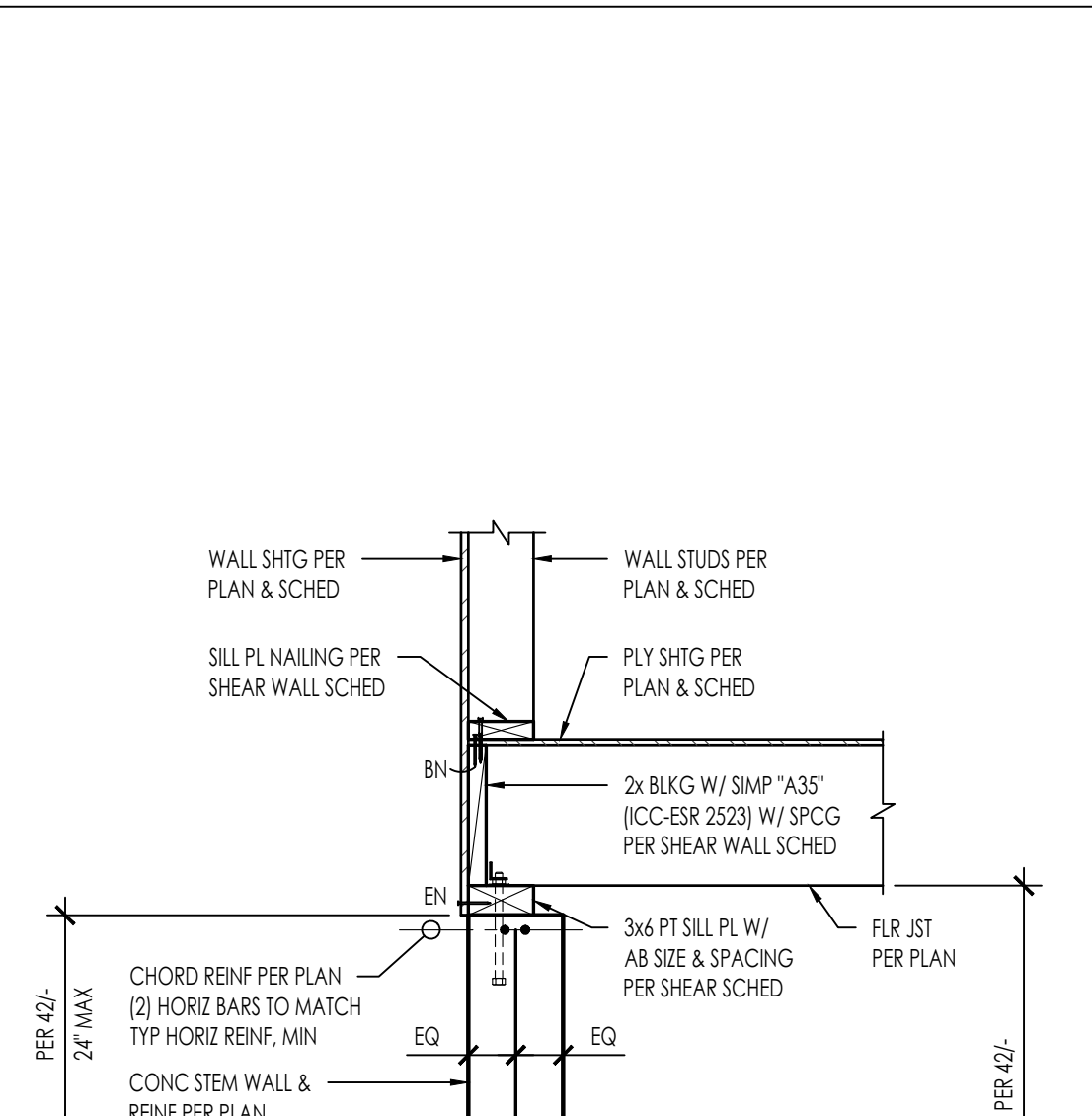
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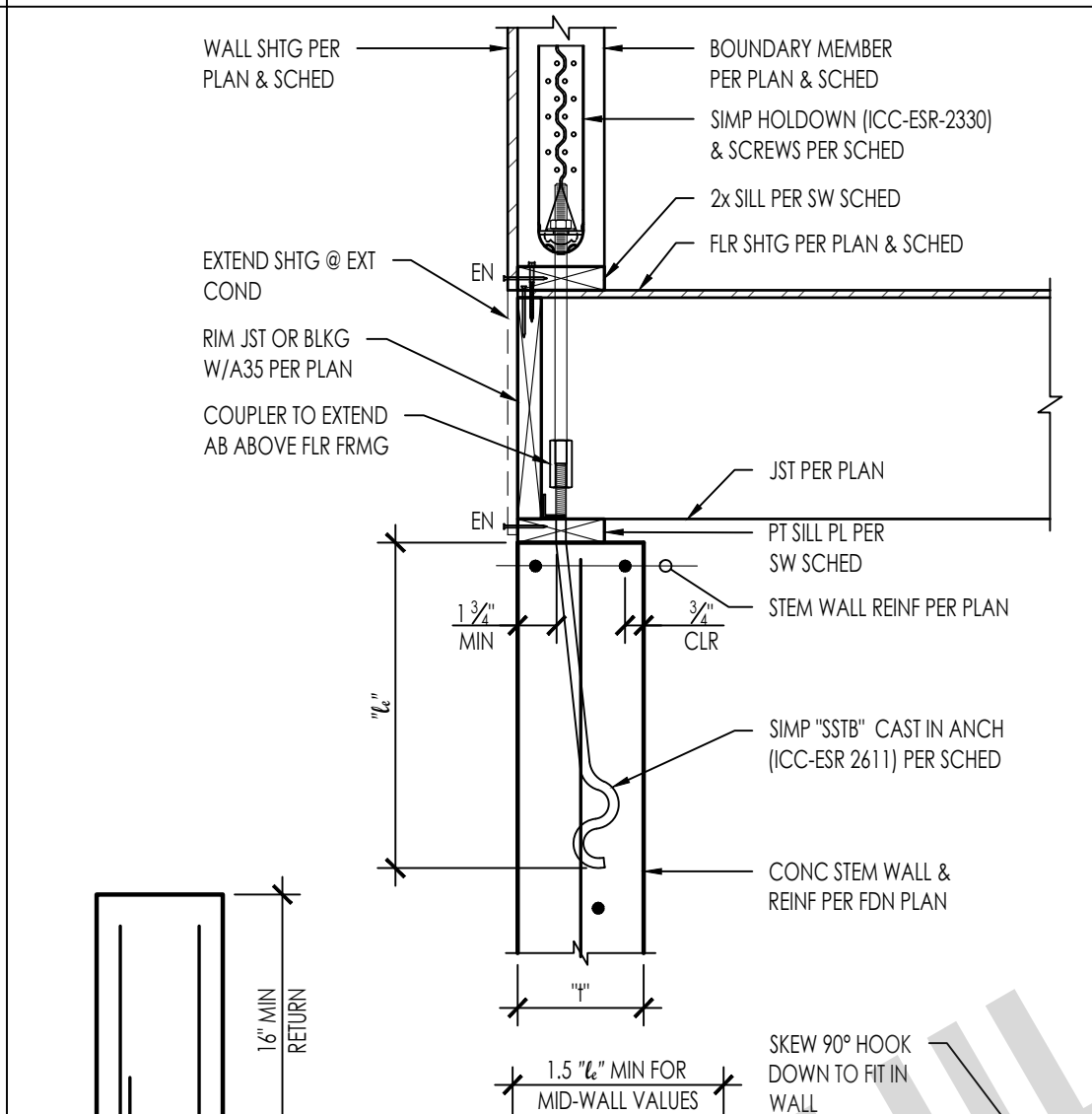
PIER FOOTING
2742-01-C102-5313-1
NTS 51



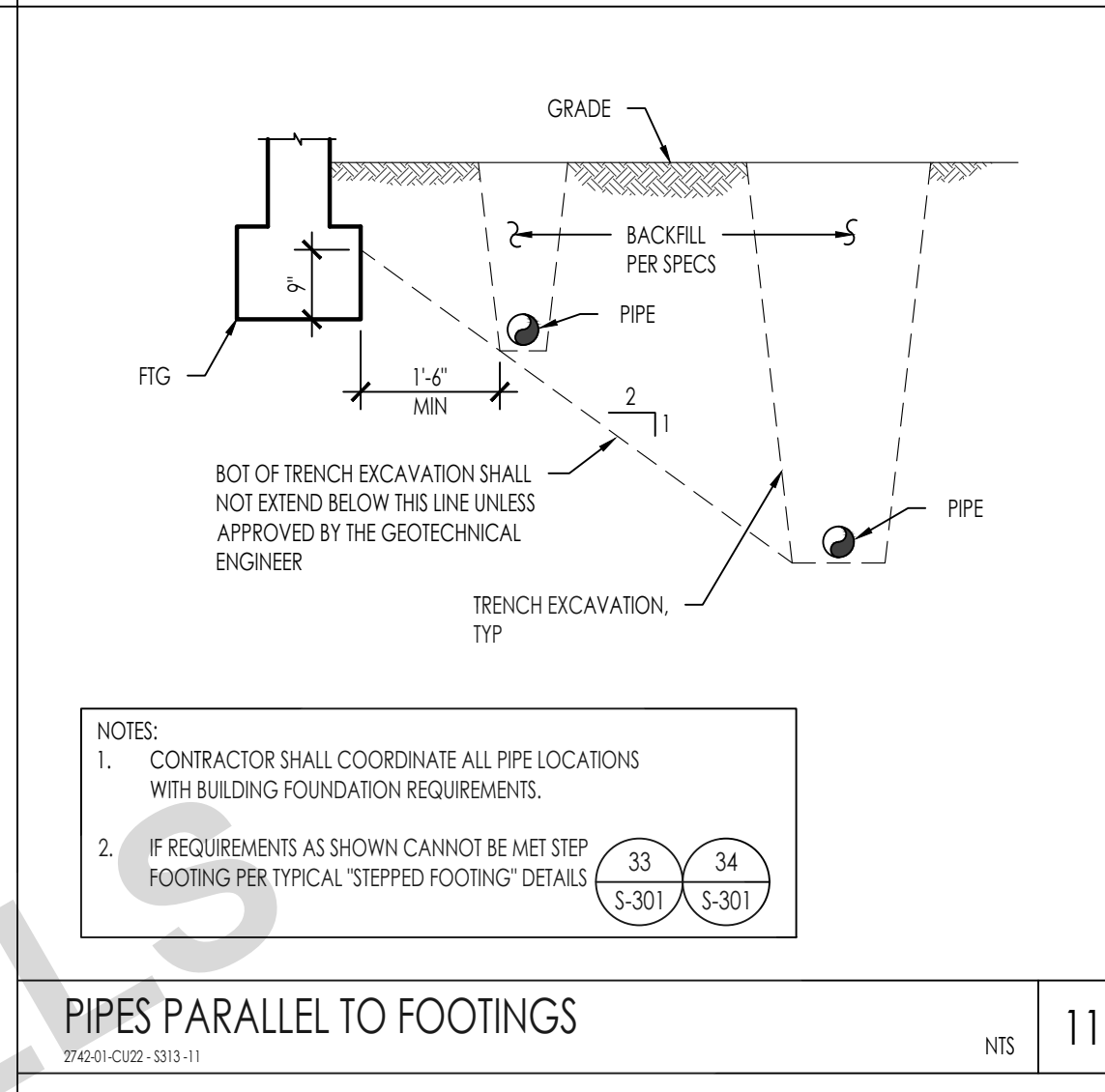
MINIMUM DISTANCE FROM GRADE TO WOOD FRAMING
2742-01-C102-5313-2
1"=1'-0" 42



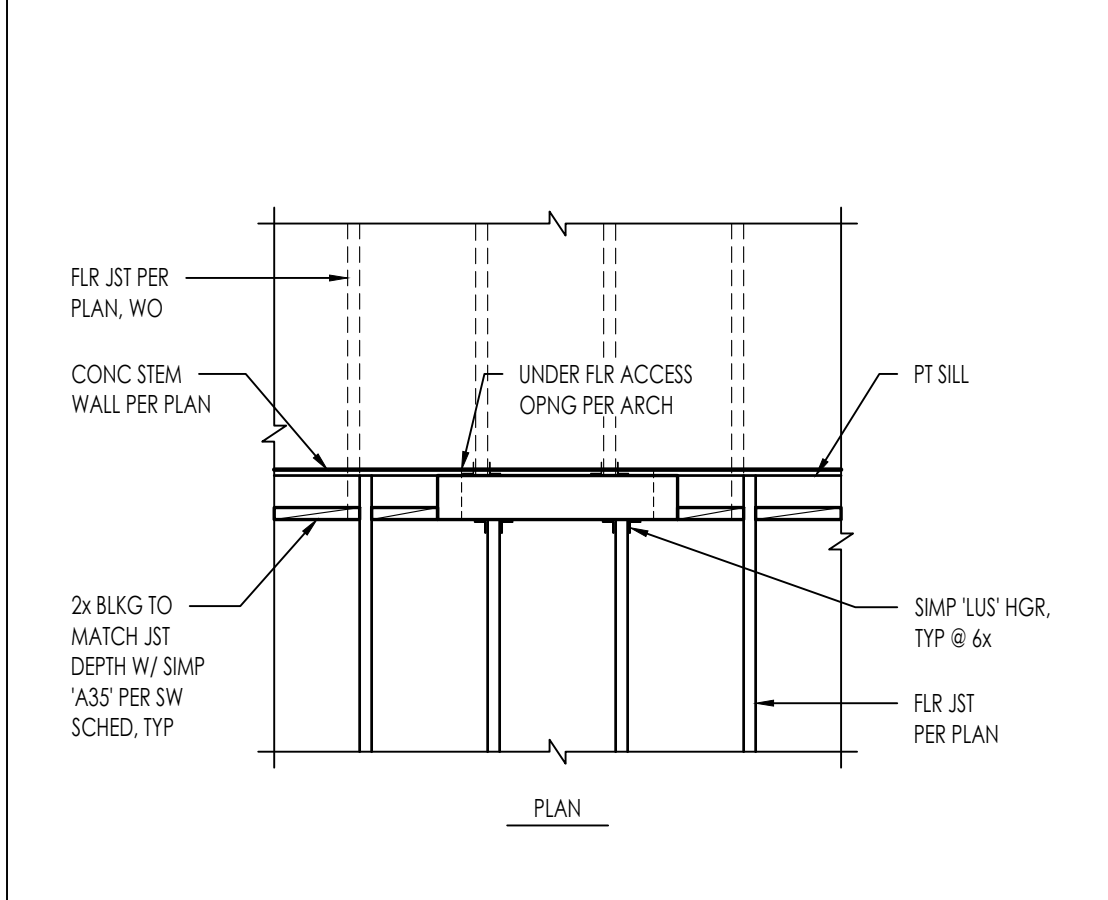
CONC WALL FOUNDATION @ PERP JOIST
2742-01-C102-5313-3
3/4"=1'-0" 32



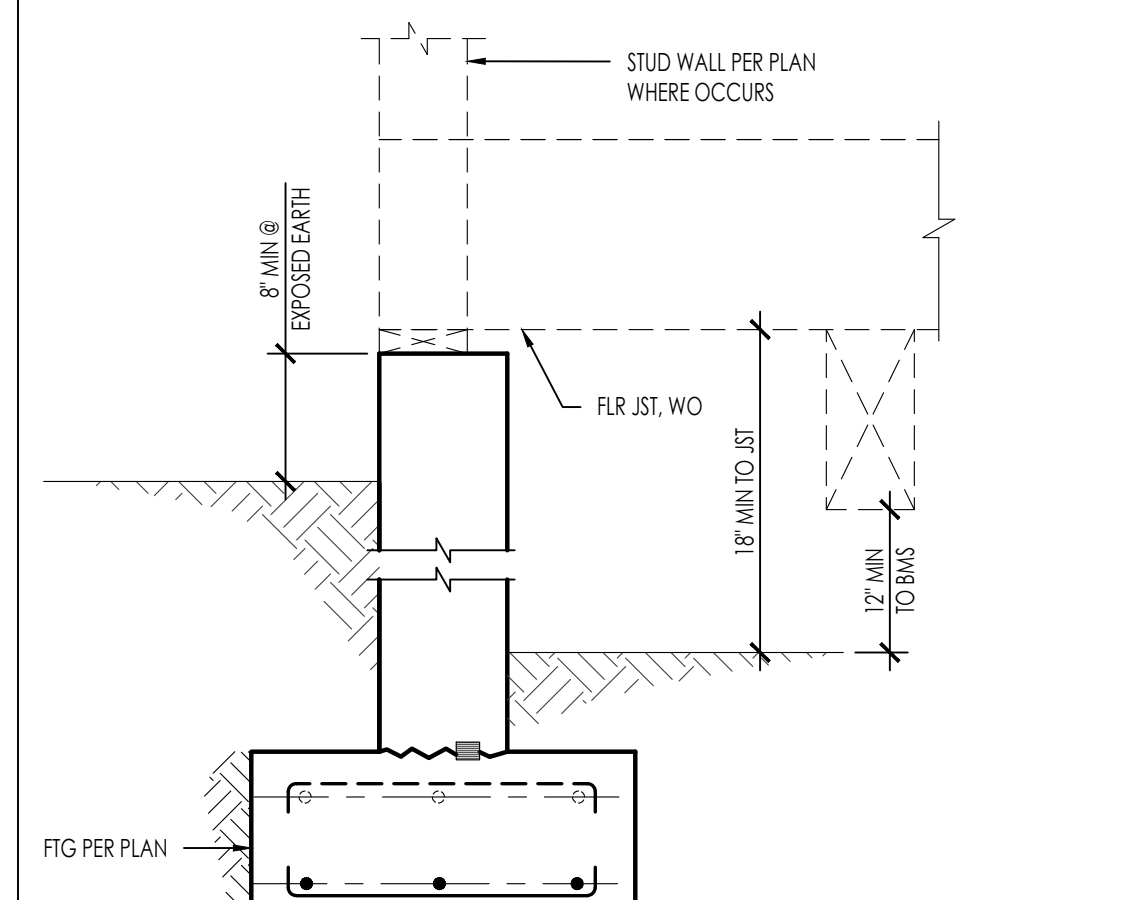
CONC WALL FOUNDATION @ STEM WALL
2742-01-C102-5313-4
NTS 22



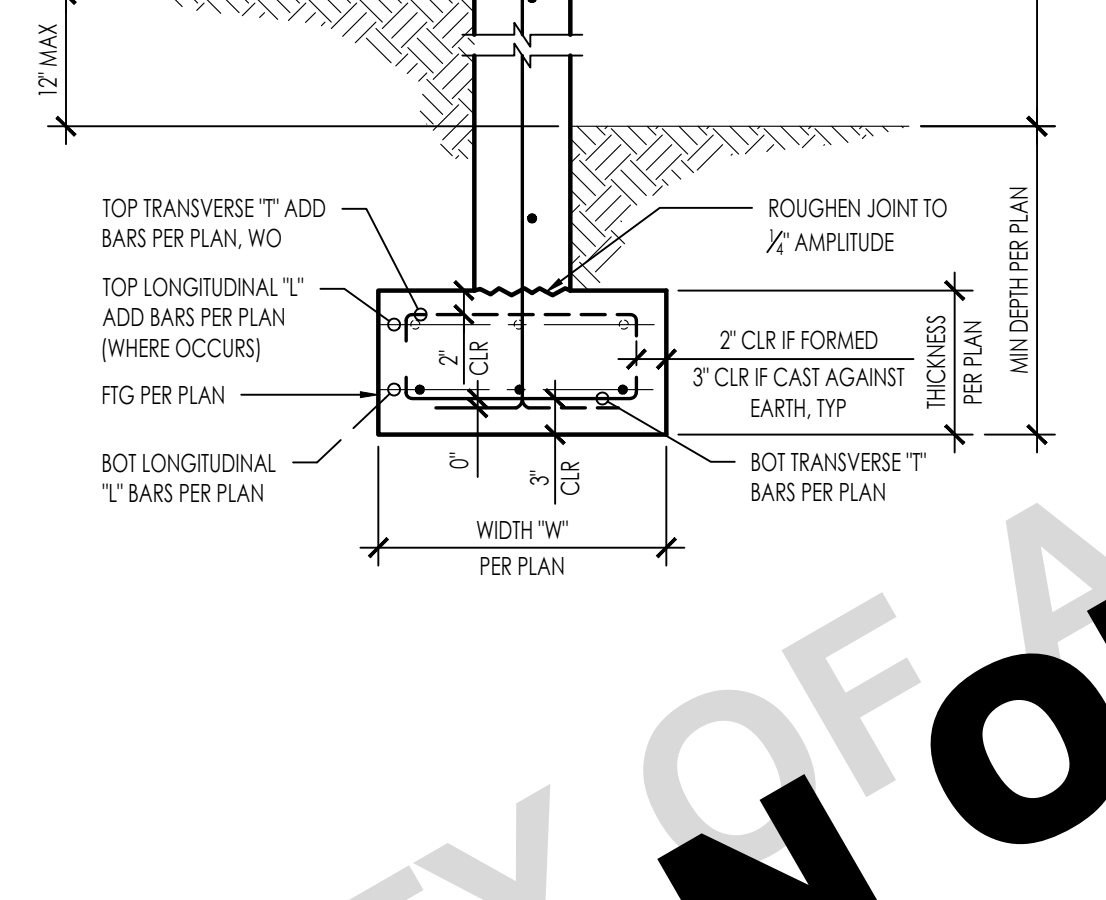
PIPES PARALLEL TO FOOTINGS
2742-01-C102-5313-11
NTS 11



CONC WALL FOUNDATION @ PERP JOIST
2742-01-C102-5313-5
1/4"=1'-0" 53



CONC WALL FOUNDATION @ PERP JOIST
2742-01-C102-5313-6
1/4"=1'-0" 43

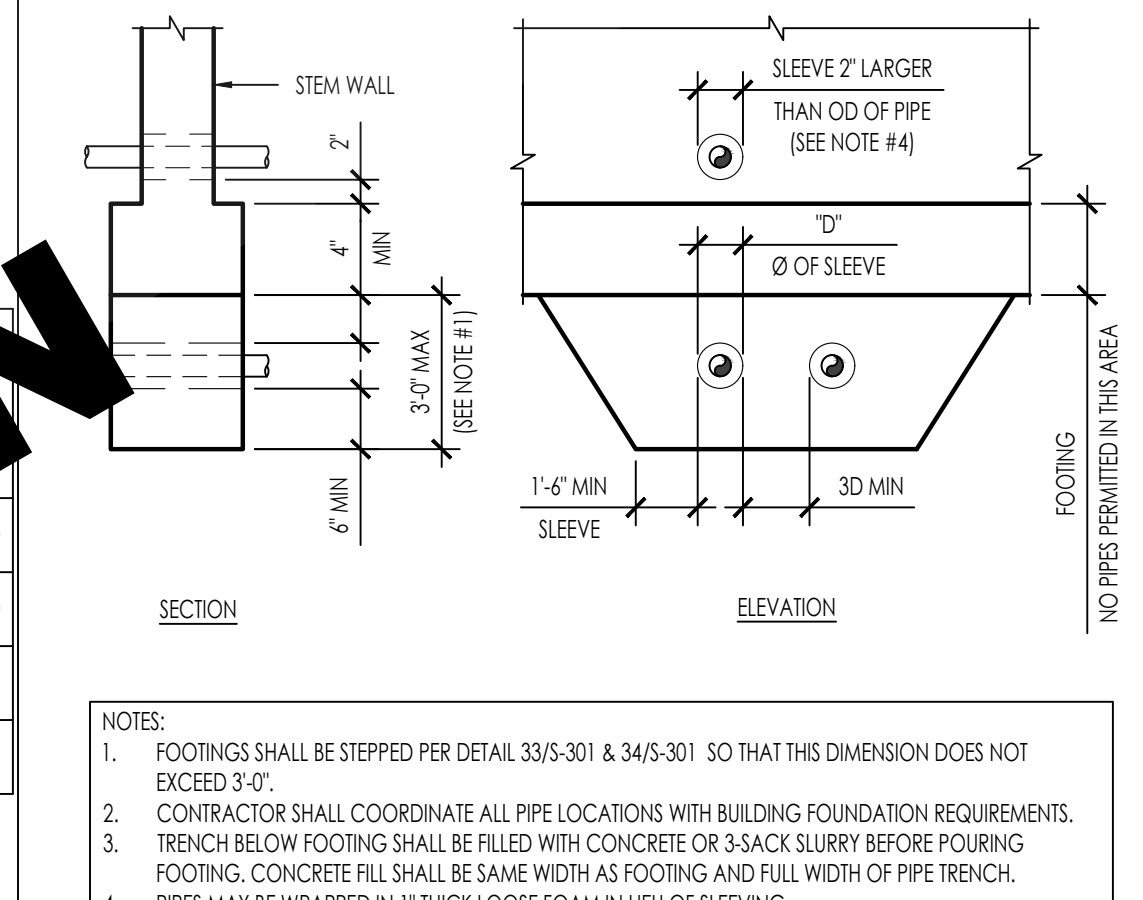


CONC WALL FOUNDATION @ PERP JOIST
2742-01-C102-5313-7
1/4"=1'-0" 44

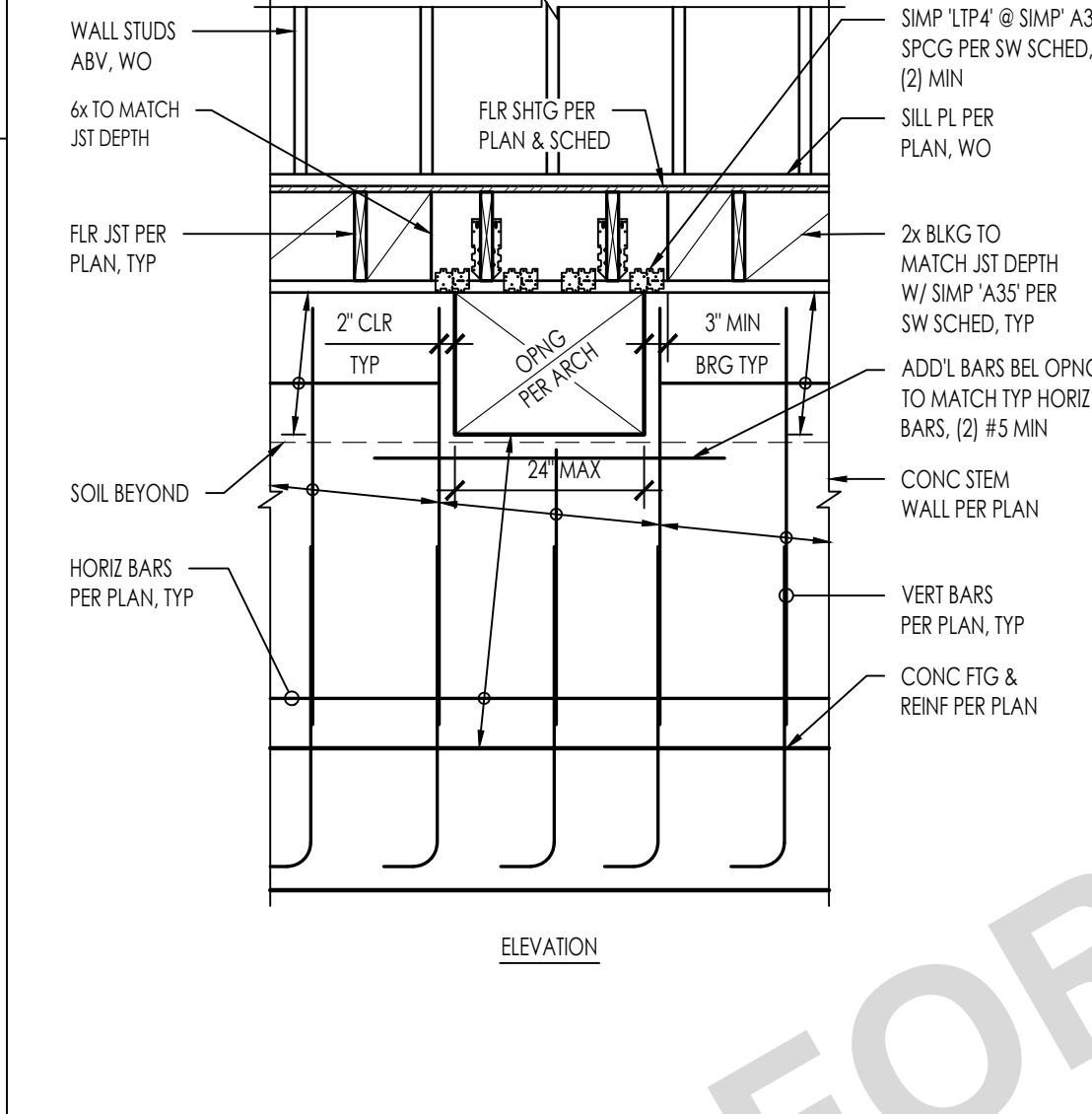
TYPE	HOLDOWN	ANCHOR	DIA (IN)	FASTENERS	BOUNDARY MEMBER MIN THICKNESS (IN)	MIN EMBED (IN)	MIN PERM (IN)	END
6A	HDUB-SDS2.5	SSSB16	6	6-SDS 1/2" x 2 1/2"	16	2,960	3,145	2,550
6B	HDUB-SDS2.5	SSSB24	8	0-SDS 1/2" x 2 1/2"	20	3,325	3,740	3,325
6C	HDUB-SDS2.5	SSSB	8	4 1/2"	24 1/2"	7,315	7,870*	6,395

1. MINIMUM EMBEDMENT AND ANCHOR LOCATIONS PER PLAN
2. MINIMUM ANCHOR AND HOLDOWN LENGTHS PER PLAN

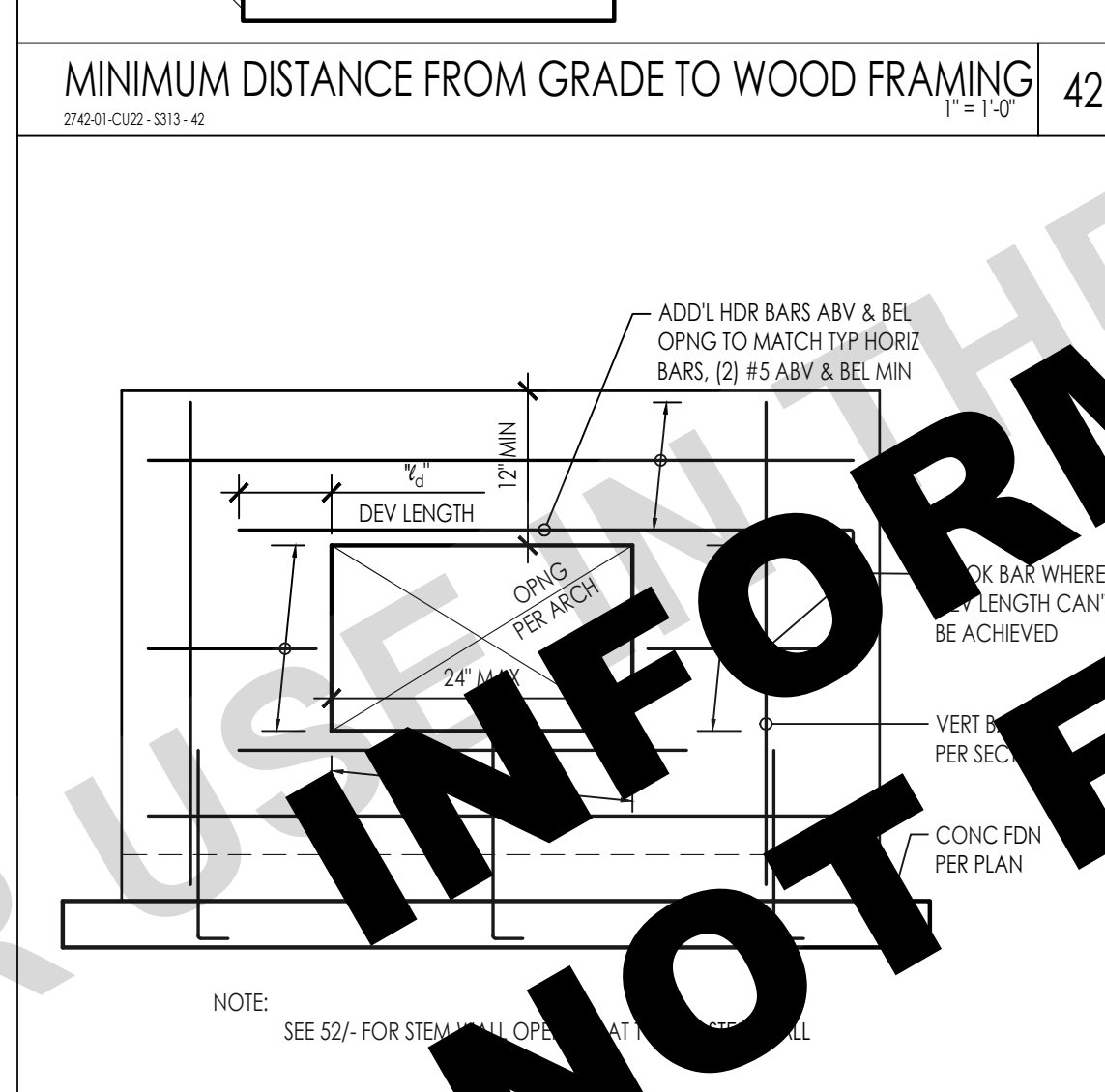
CONC WALL FOUNDATION @ PERP JOIST
2742-01-C102-5313-8
NTS 24



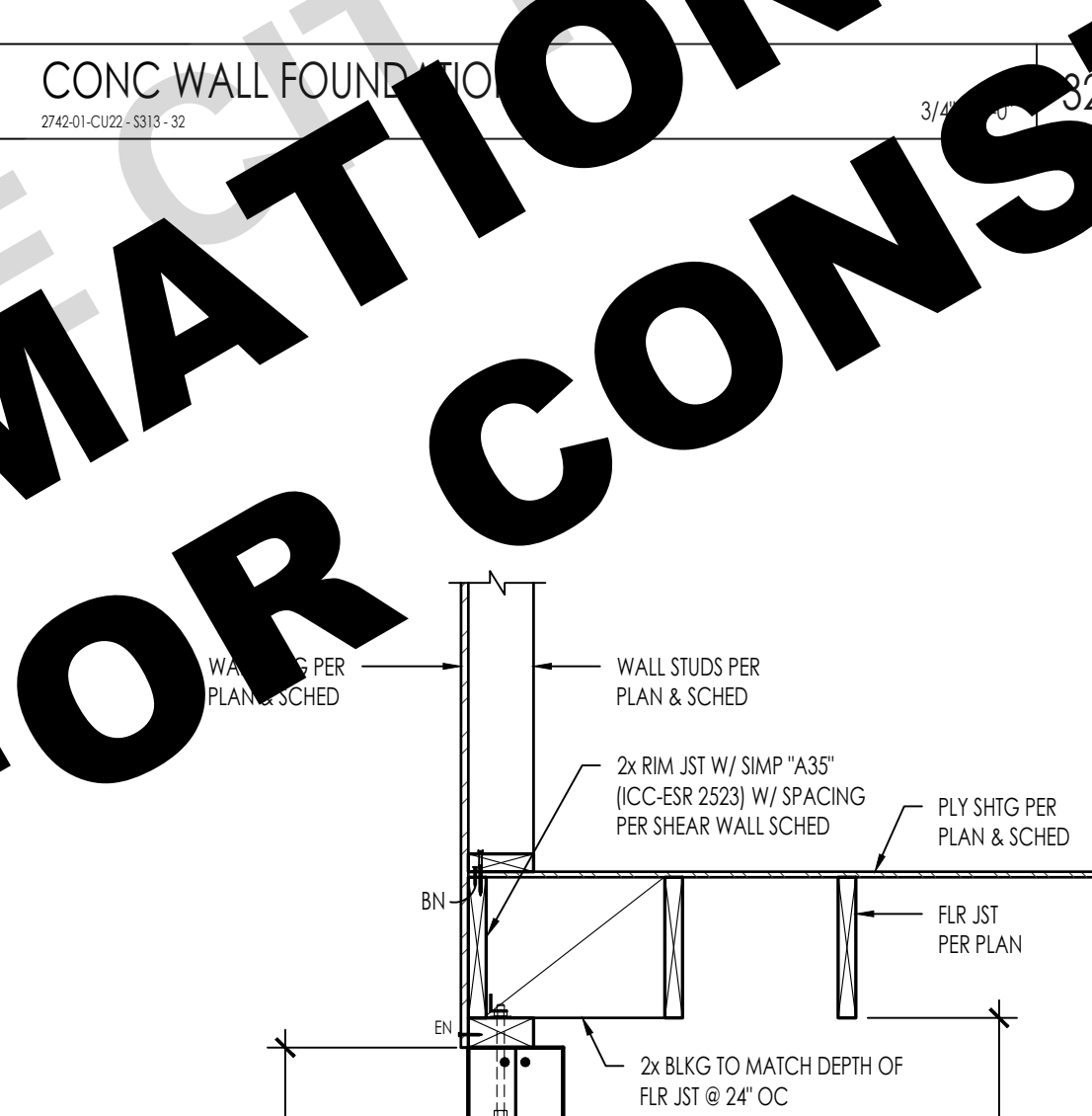
PIPES PERPENDICULAR TO FOOTINGS W/ STEM WALL
2742-01-C102-5313-12
NTS 12



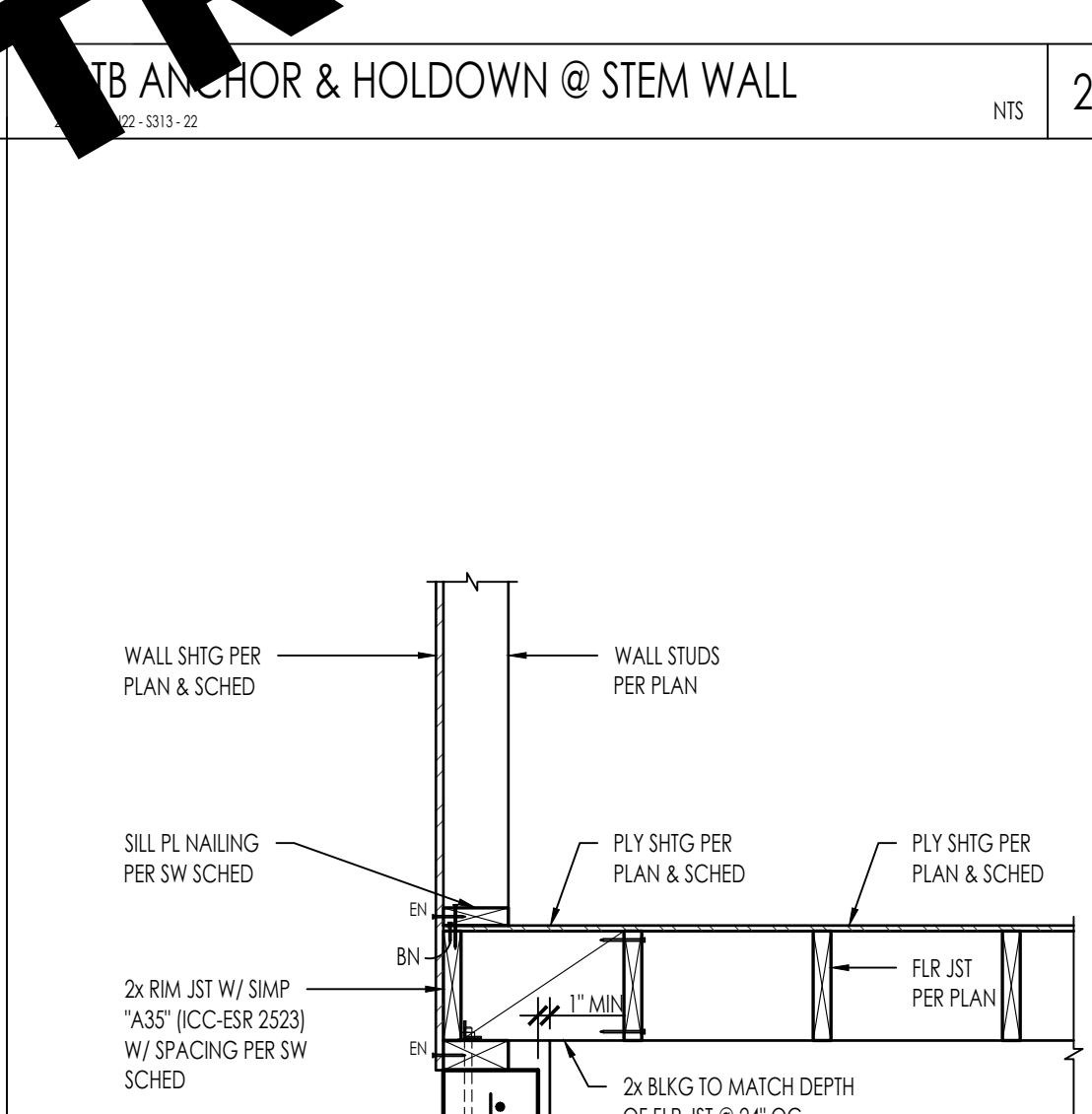
CONC WALL FOUNDATION @ PERP JOIST
2742-01-C102-5313-9
3/4"=1'-0" 54



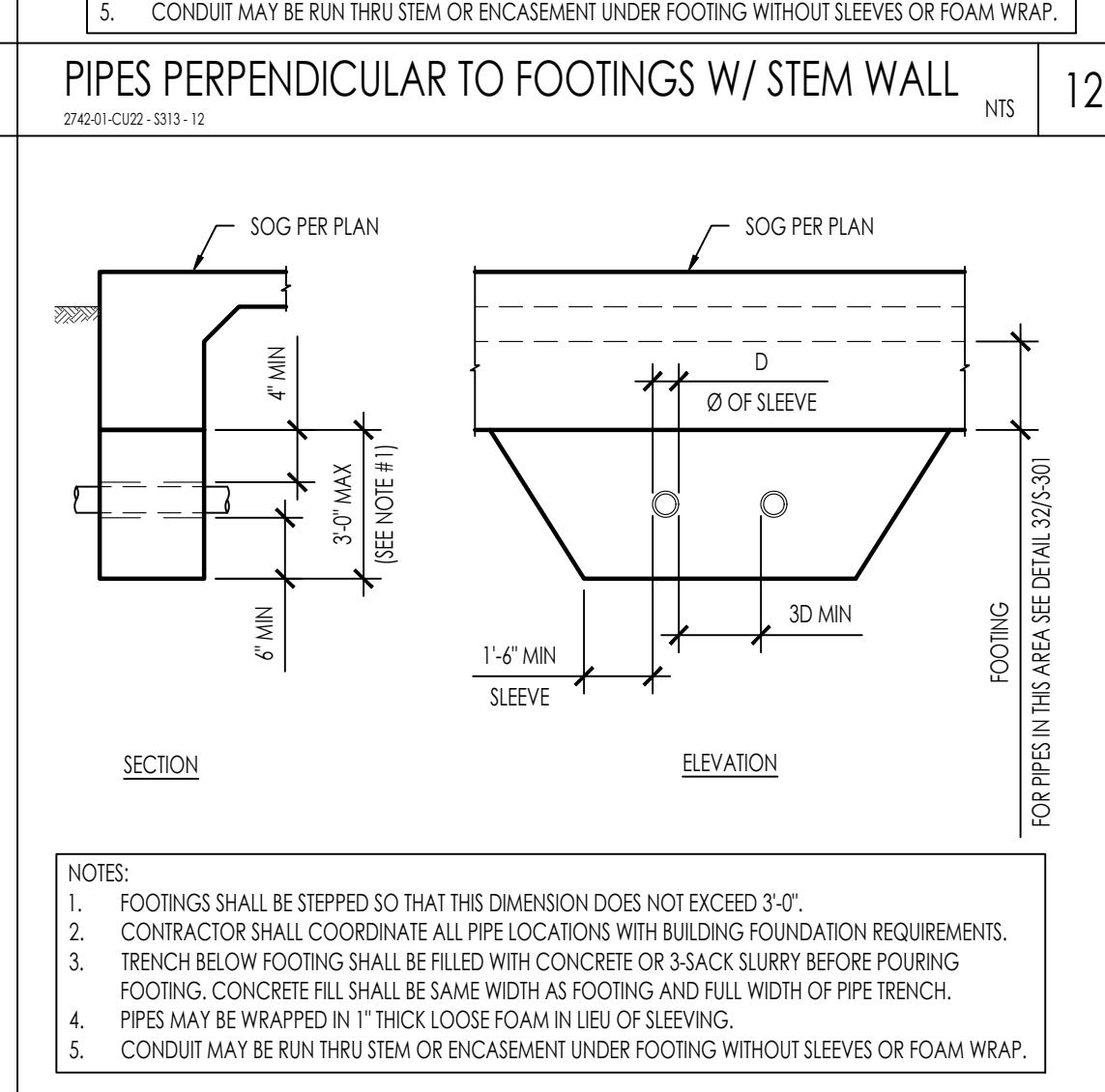
DROPPED BEAM @ PERP JOIST
2742-01-C102-5313-14
1"=1'-0" 44



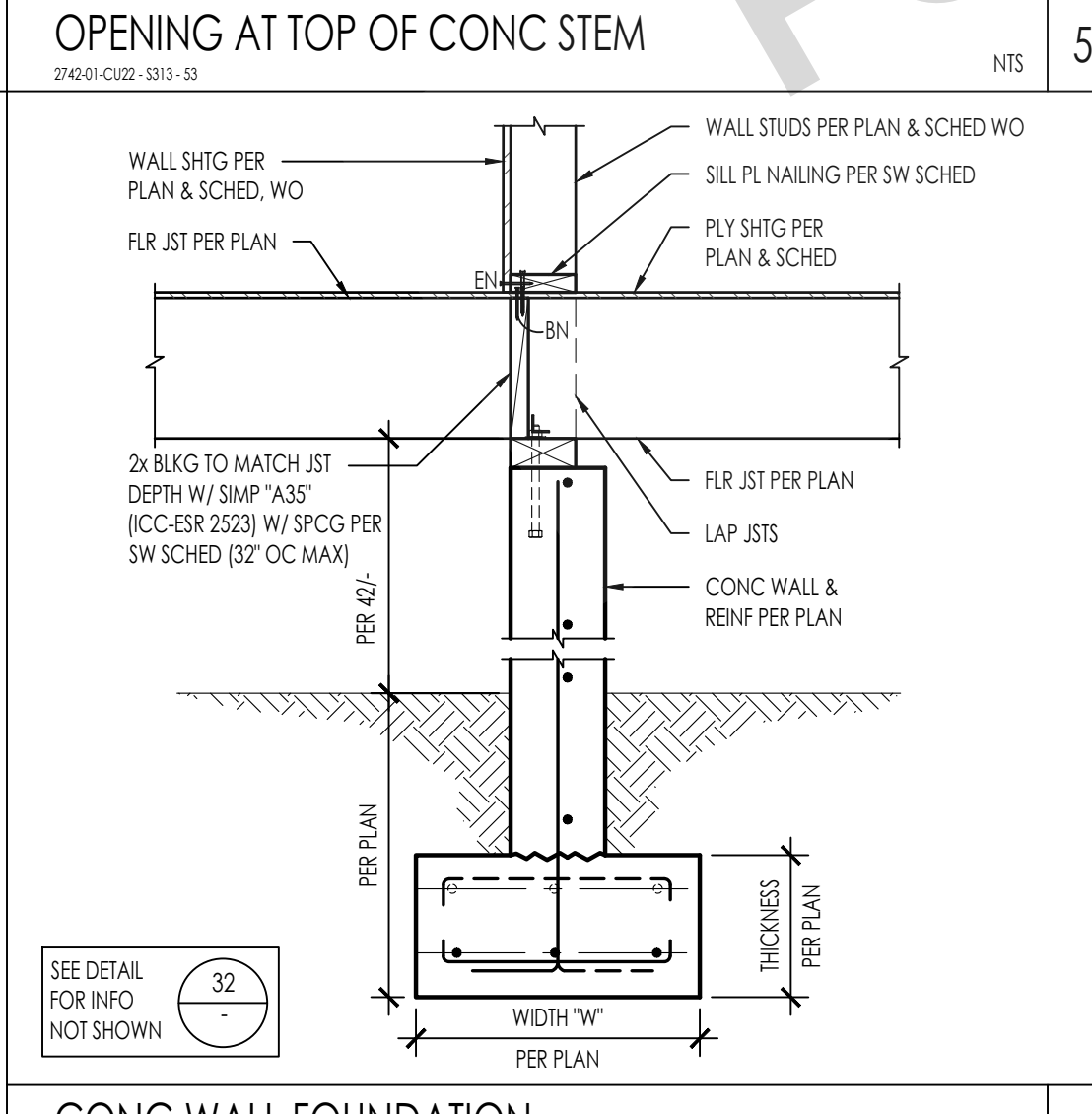
CONC WALL FOUNDATION @ PERP JOIST
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3/4"=1'-0" 34



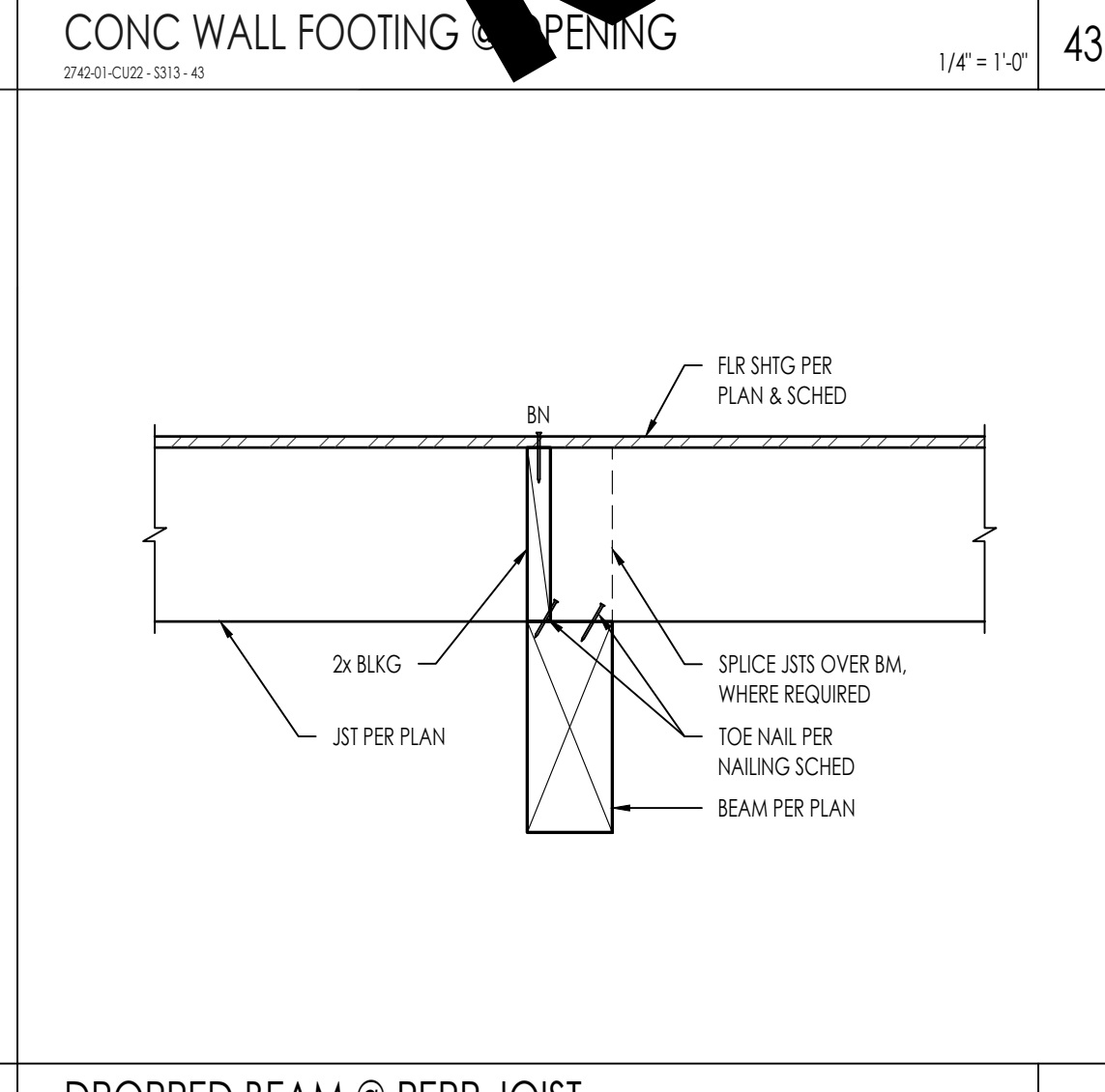
CONC WALL FOUNDATION @ PERP JOIST
2742-01-C102-5313-13
NTS 13



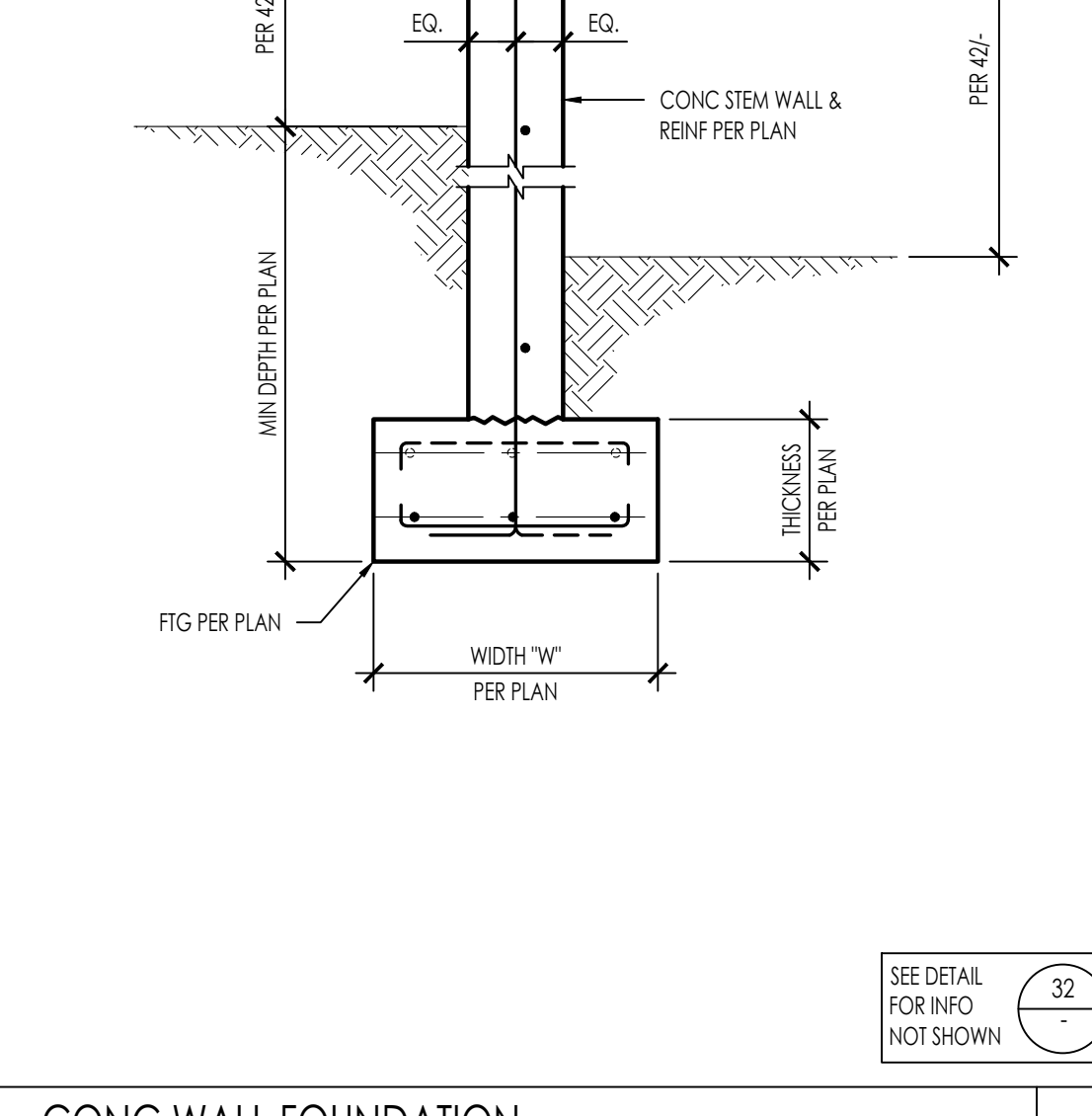
PIPES PERPENDICULAR TO FOOTINGS
2742-01-C102-5313-13
NTS 13



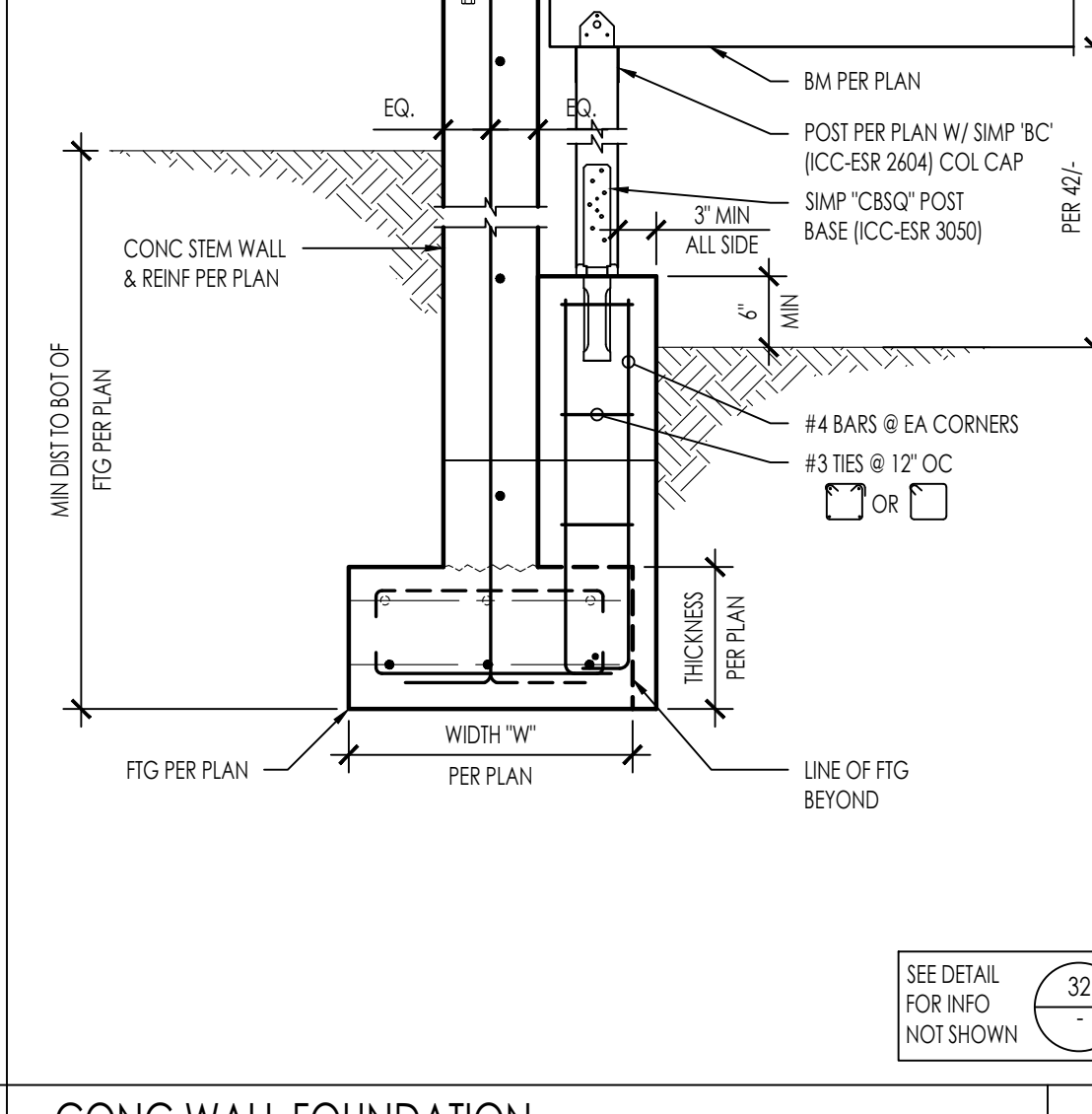
CONC WALL FOUNDATION @ PERP JOIST
2742-01-C102-5313-14
3/4"=1'-0" 54



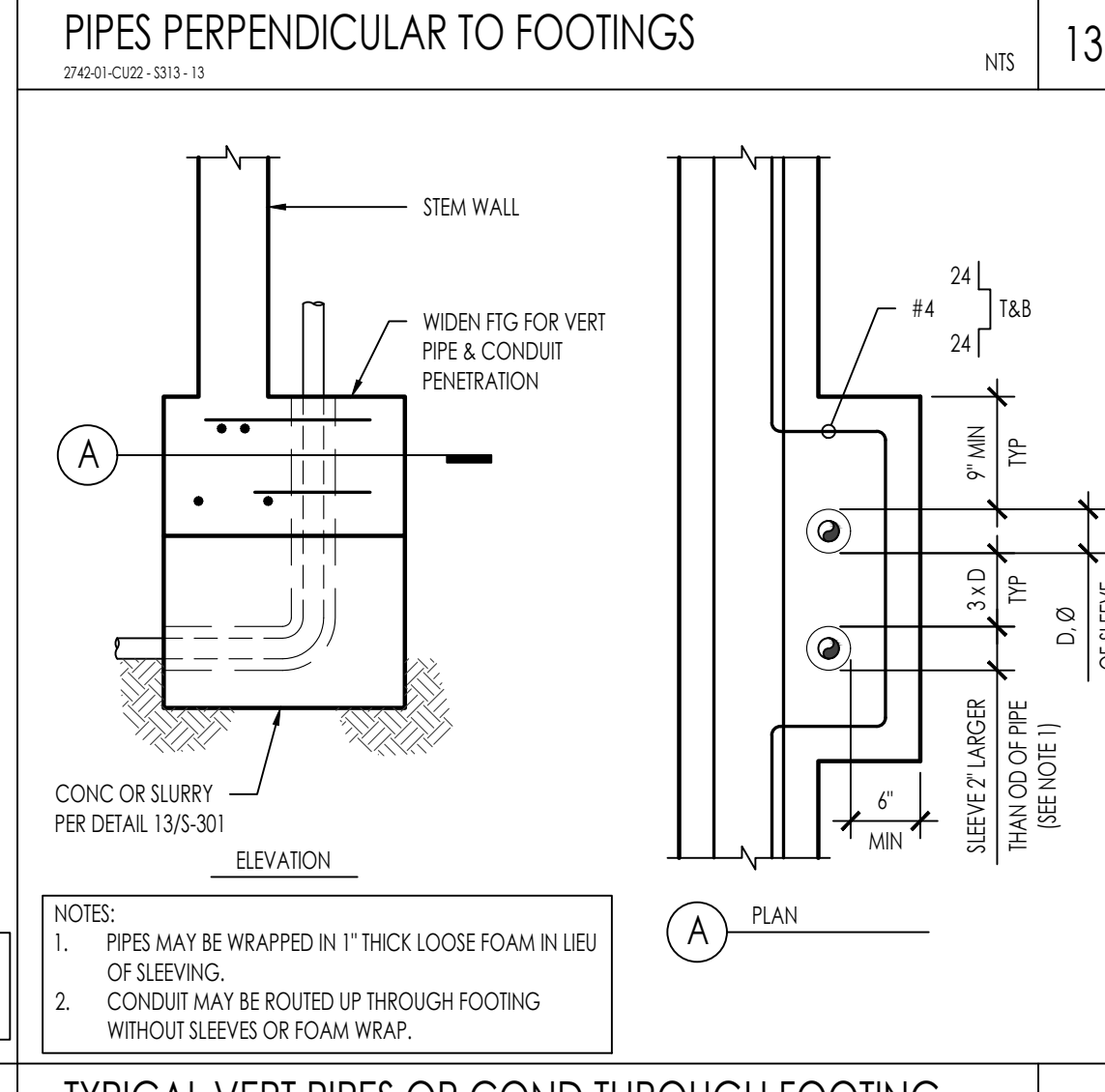
CONC WALL FOUNDATION @ PERP JOIST
2742-01-C102-5313-24
3/4"=1'-0" 34



CONC WALL FOUNDATION @ PERP JOIST
2742-01-C102-5313-24
NTS 3/4"=1'-0" 24



TYPICAL VERT PIPES OR COND THROUGH FOOTING
2742-01-C102-5313-14
NTS 14



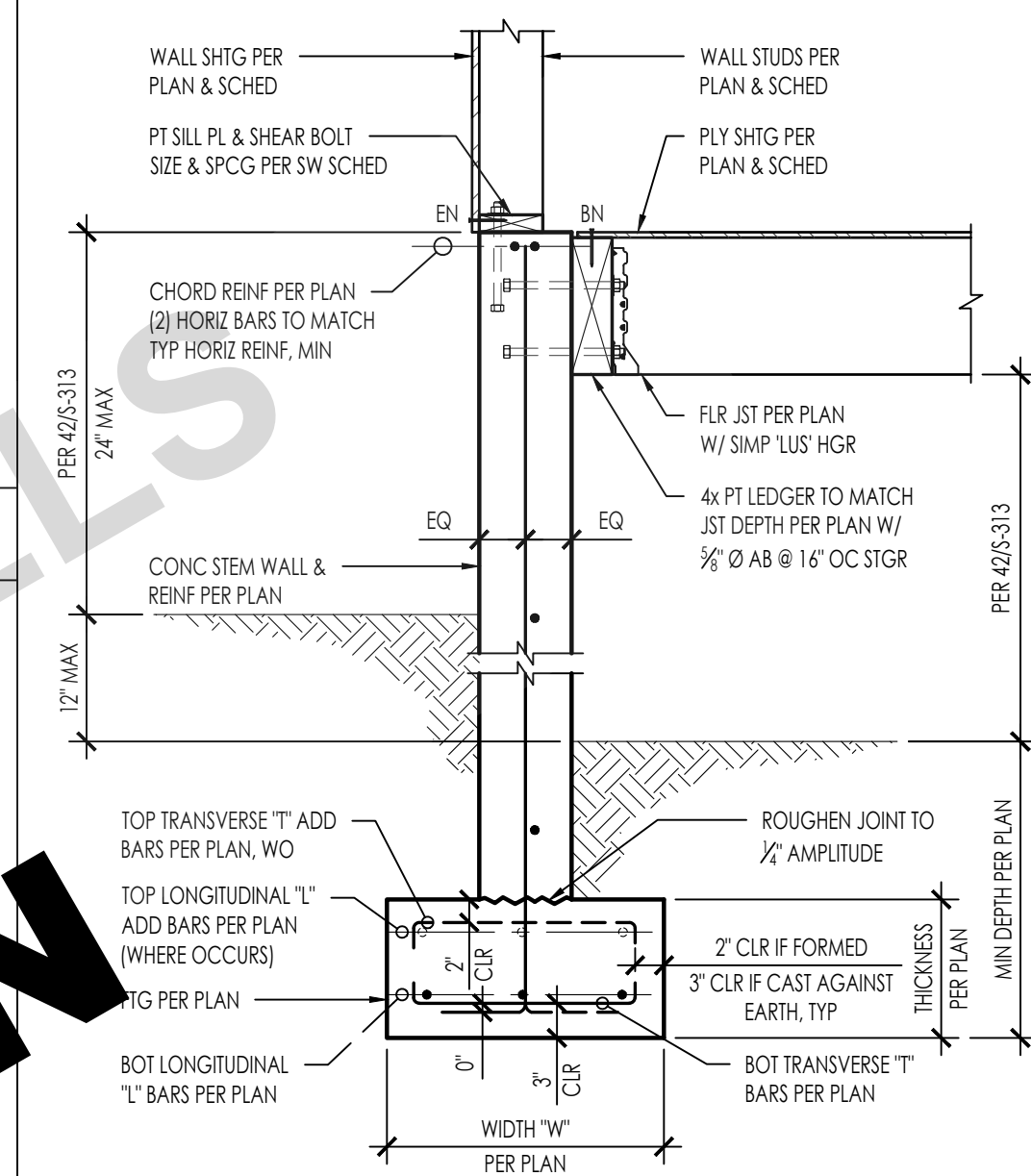
TYPICAL VERT PIPES OR COND THROUGH FOOTING
2742-01-C102-5313-14
NTS 14

FOR USE WITH THE CITY OF AGOURA HILLS PRE-APPROVED ADU PROGRAM
NOT FOR CONSTRUCTION

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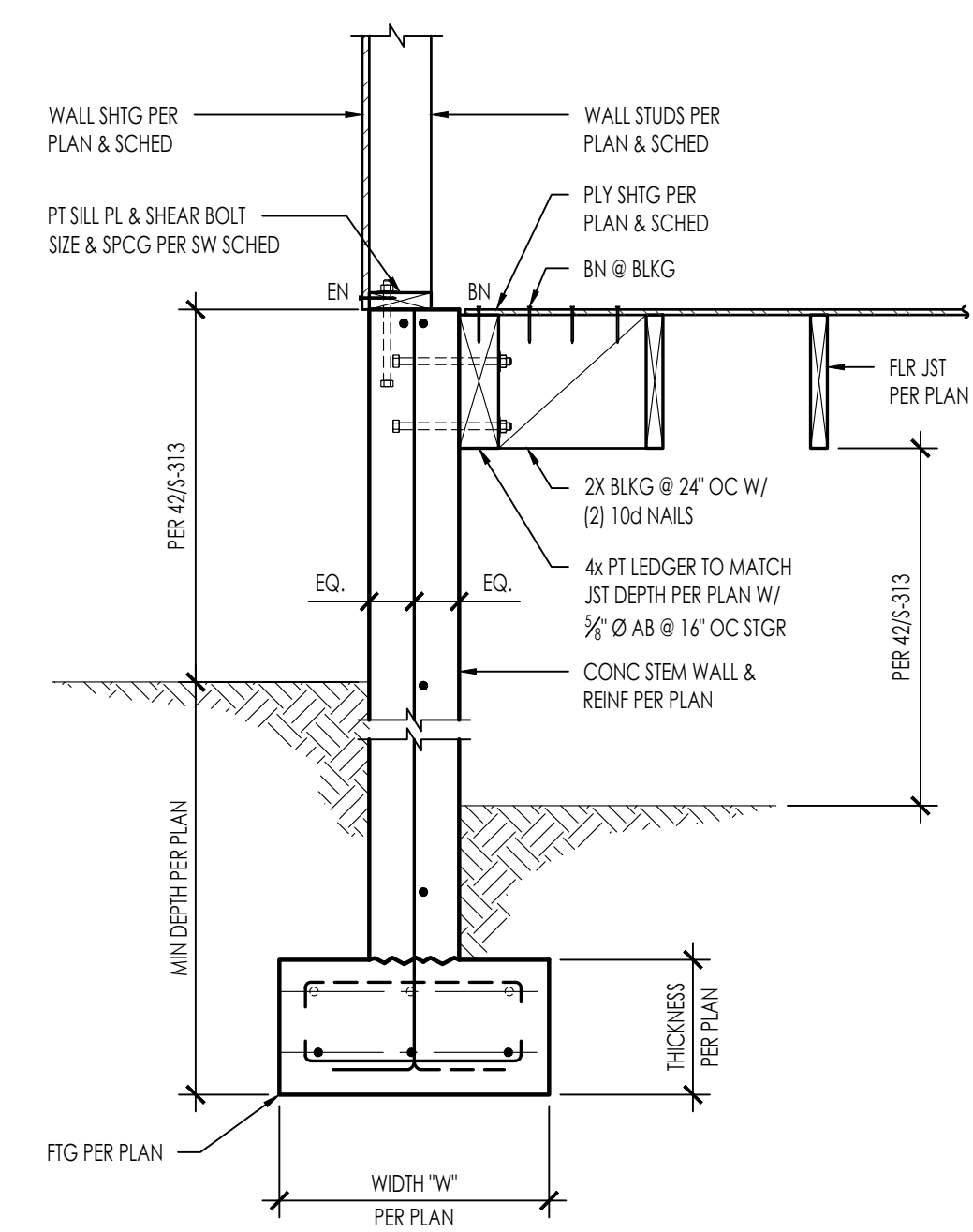
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22 CONC WALL FOUNDATION
2/14/2021-CJ22-5314-12

3/4" = 1'-0" 12



24 CONC WALL FOUNDATION
2/14/2021-CJ22-5314-14

SEE DETAIL FOR INFO NOT SHOWN 12

APPROVED SET

AGOURA HILLS | ADU
CITY OF AGOURA HILLS
CONCRETE DETAILS

DATE
09/28/23
SHEET

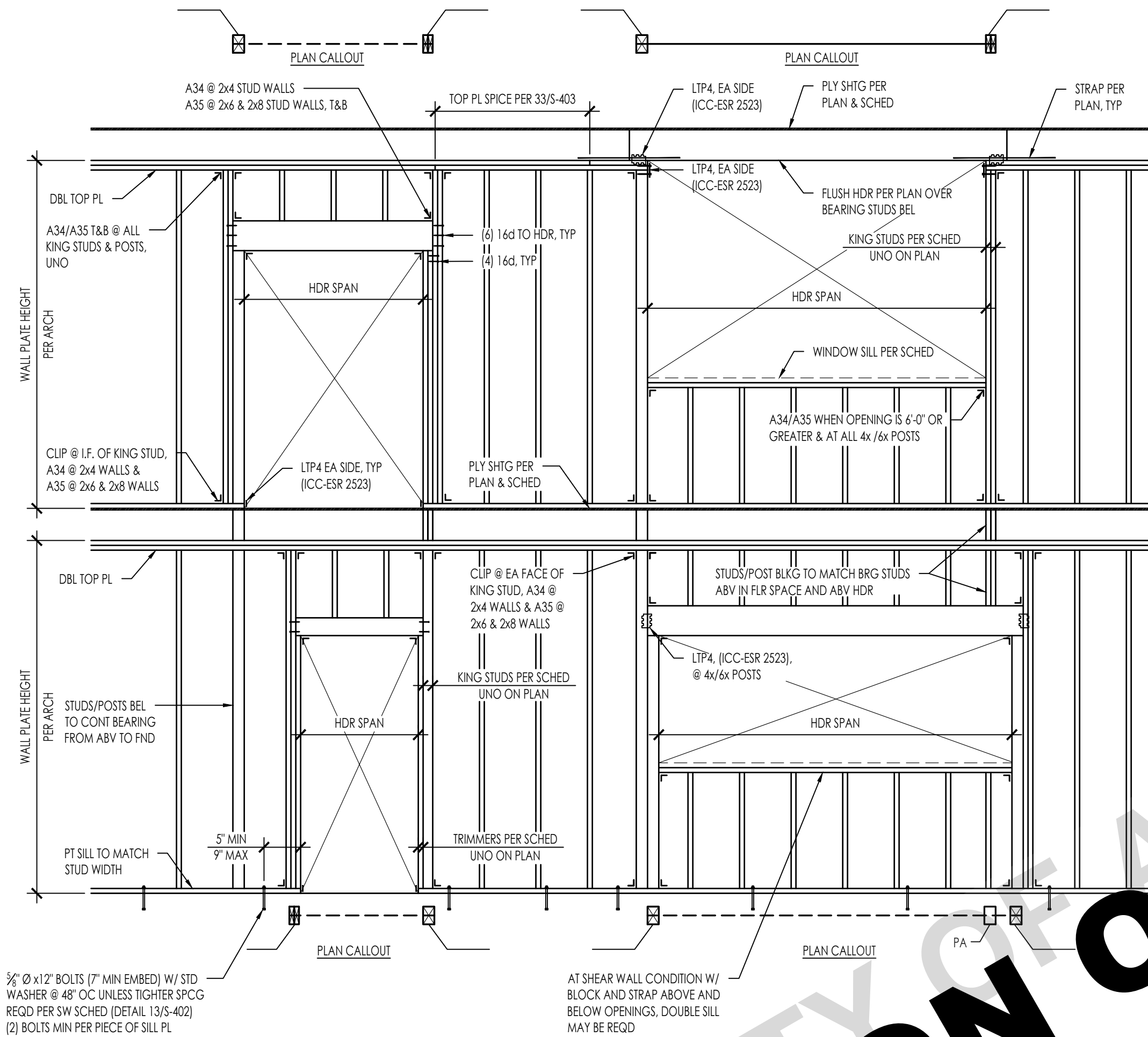
S1-314

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BEARING/SHEAR WALL HEADER SCHEDULE										
4 INCH WALLS					6 INCH WALLS					
OPENING WIDTH	4x HEADER	SILL AT WINDOW	POST / TRIMMER	KING STUDS	1-STORY	OPENING WIDTH	6x HEADER	SILL AT WINDOW	POST / TRIMMER	KING STUDS
UP TO 3'-0"	4x4	2x	2x4	2x4		UP TO 3'-0"	6x4	2x	2x6	2x6
UP TO 5'-0"	4x6	2x	2x4	2x4		3'-0" - 5'-0"	6x6	2x	2x6	2x6
UP TO 7'-0"	4x8	[2] 2x	[2] 2x4	[2] 2x4		5'-0" - 7'-0"	6x8	[2] 2x	2x6	[2] 2x6

- NOTES:
- THIS DETAIL APPLIES AT ALL EXT WALLS AND INT LOAD BEARING WALLS AND ALSO APPLIES TO SHEAR WALL FRAMING
 - FOR SHEAR WALLS SEE 3415-402 FOR ADD'L REQUIREMENTS.
 - FOR INTERIOR NON-BEARING PARTITIONS SEE DETAIL 431.
 - HEADERS, KING STUDS AND OTHER REFERENCES ON PLAN GOVERN OVER THIS TYPICAL SCHED/DETAILS
 - PROVIDE A34 @ 4" WALLS & A35 @ 6" OR GREATER WALLS (ICC-ESR 2523)

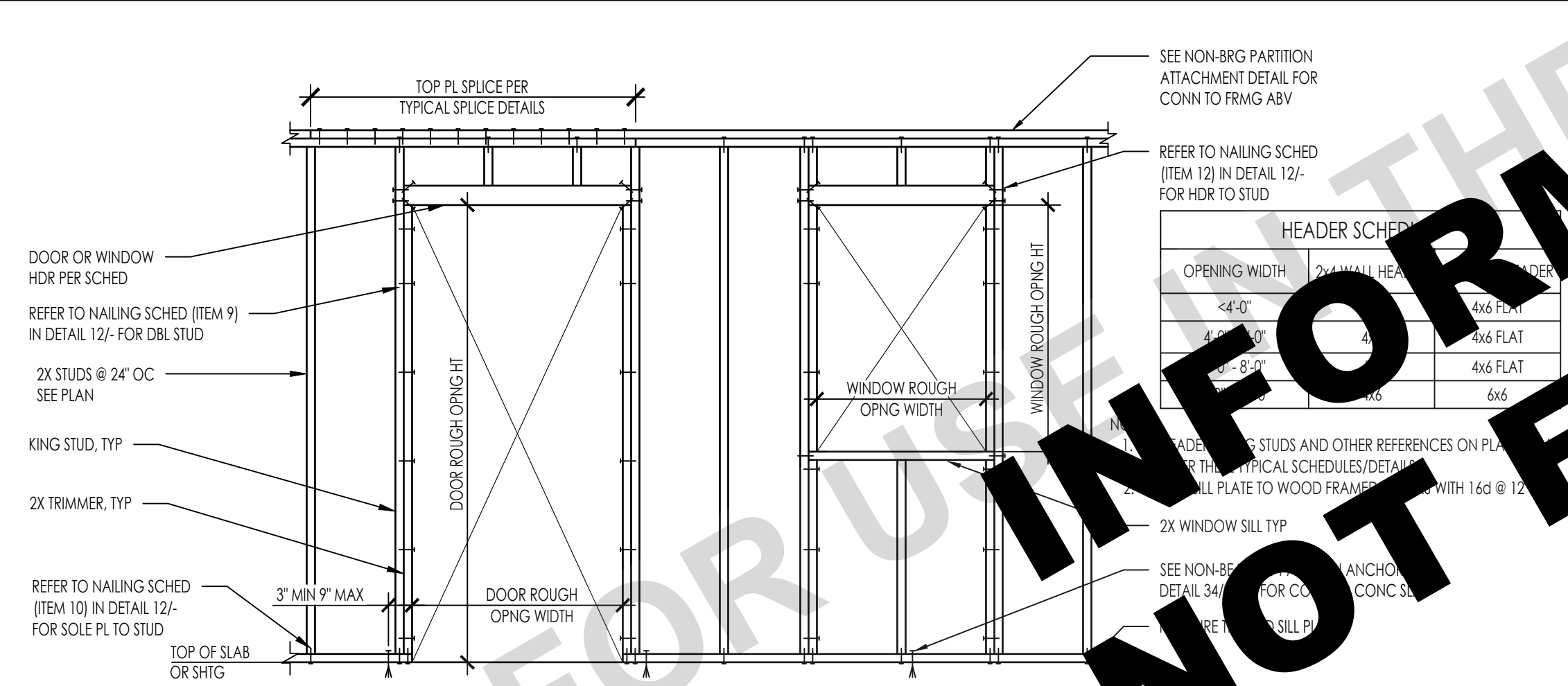


FASTENING SCHEDULE PER 2022 CBC 2304.10.1		
CONNECTION	FASTENING	LOCATION
1. BLOCKING BETWEEN CEILING JOISTS, RAFTERS OR TRUSSES TO TOP PLATE OR OTHER FRAMING BELOW	3-8d COMMON	EACH END, TOENAIL
2. BLOCKING BETWEEN RAFTERS OR TRUSSES NOT AT THE WALL TO TOP PLATE, TO RAFTER OR TRUSS	2-8d COMMON	EACH END, TOENAIL
3. FLAT BLOCKING TO TRUSS AND WEB FILLER	2-16d COMMON	END NAIL
4. CEILING JOIST TO TOP PLATE	1-6d COMMON @ 6" OC	FACE NAIL
5. CEILING JOIST NOT ATTACHED TO PARALLEL RAFTER, LAPS OVER PARTITIONS	3-8d COMMON	EACH JOIST, TOENAIL
6. CEILING JOIST ATTACHED TO PARALLEL RAFTER (HEEL JOINT)	3-16d COMMON	FACE NAIL
7. COLLAR TIE TO RAFTER	3-10d COMMON	FACE NAIL
8. RAFTER OR ROOF TRUSS TO PLATE	3-10d COMMON	TOENAIL ²
9. ROOF RAFTER TO RIDGE VALLEY OR HIP RAFTER; OR ROOF RAFTER TO 2-INCH RIDGE BEAM	2-16d COMMON	END NAIL
10. STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS	3-10d COMMON	TOENAIL
11. BUILT-UP HEADER (2" TO 2" HEADER)	1-6d COMMON	1/6" OC EACH EDGE, FACE NAIL
12. CONTINUOUS HEADER TO STUD	4-10d COMMON	TOENAIL
13. TOP PLATE TO TOP PLATE	1-6d COMMON	1/6" OC FACE NAIL
14. TOP PLATE TO TOP PLATE, AT END JOINTS	8-16d COMMON	EACH SIDE OF END JOINT, FACE NAIL (MINIMUM 24" LAP SPICE LENGTH EACH SIDE OF END JOINT)
15. BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING	2-16d COMMON	1/6" OC FACE NAIL
16. STUD TO TOP OR BOTTOM PLATE	4-8d COMMON	TOENAIL
17. TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS	2-16d COMMON	FACE NAIL
18. JOIST TO SILL, TOP PLATE, OR GIRDER	3-8d COMMON	TOENAIL
20. RIM JOIST, BAND JOIST, OR BLOCKING TO TOP PLATE, SILL OR OTHER FRAMING BELOW	8d COMMON	6" OC, TOENAIL
21. 1"x6" SUBFLOOR OR LESS TO EACH JOIST	2-8d COMMON	FACE NAIL
22. 2" SUBFLOOR TO JOIST OR GIRDER	3-8d COMMON	FACE NAIL
23. BUILT-UP GIRDER AND BEAMS, 2" LUMBER LAYERS	1-10d COMMON (4" x 0.192")	3/2" OC FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDE
24. LEDGER STRIP SUPPORTING JOIST OR RAFTERS	1-10d COMMON	EACH JOIST OR RAFTER, FACE NAIL
26. JOIST TO RIM JOIST	3-16d COMMON	END NAIL
27. BRIDGING JOIST TO JOIST, RAFTER OR TRUSS	2-8d COMMON	EACH END, TOENAIL

- NOTES:
- THIS FASTENING SCHEDULE IS TO BE USED IF CONDITION IS NOT OTHERWISE DETAILED OR SPECIFIED ON THE CONSTRUCTION DOCUMENTS. COMMON NAILS SHALL BE USED EXCEPT WHERE NOTED OTHERWISE.
 - IF THE FASTENING IS TO BE APPLIED TO AN ADJACENT PARALLEL CEILING JOIST IN ACCORDANCE WITH THIS SCHEDULE AND THE CEILING JOIST IS FASTENED TO THE TOP PLATE IN ACCORDANCE WITH THIS SCHEDULE, THE NUMBER OF TOENAILS IN THE RAFTER SHALL BE PERMITTED TO BE REDUCED BY ONE NAIL.

EXTERIOR WALL / INTERIOR WALL BEARING WALL FRAMING

2142-01-C122-1401-32

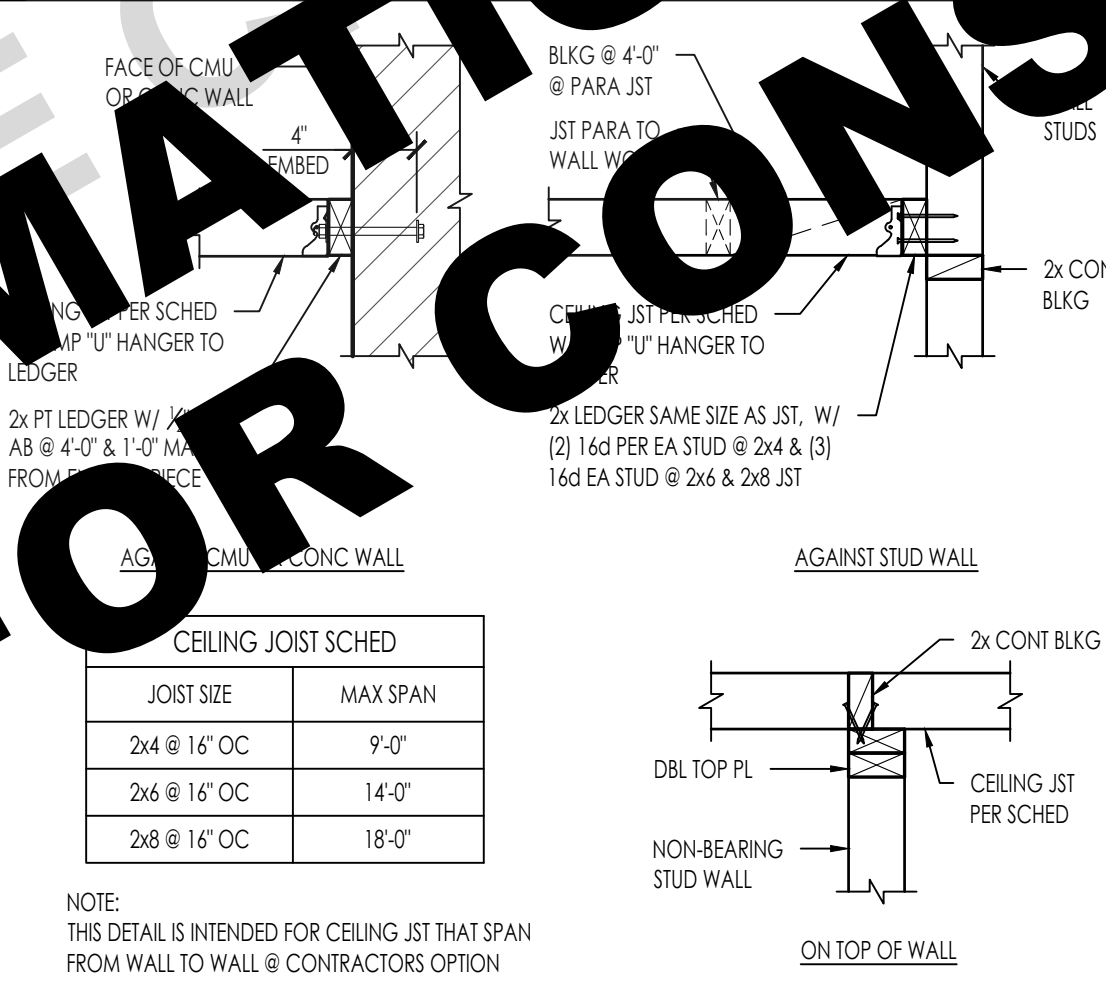


INTERIOR NON-BEARING PARTITION WALL FRAMING

2142-01-C122-1401-43

CEILING JOIST SCHED & DETAILS

2142-01-C122-1401-33



JOIST SIZE	MAX SPAN
2x4 @ 16" OC	9'-0"
2x6 @ 16" OC	14'-0"
2x8 @ 16" OC	18'-0"

NOTE: THIS DETAIL IS INTENDED FOR CEILING JOIST THAT SPAN FROM WALL TO WALL @ CONTRACTORS OPTION

TYPICAL WOOD STUD INTERSECTIONS

2142-01-C122-1401-24



TYPICAL WOOD STUD INTERSECTIONS

2142-01-C122-1401-24

MULTI-PLY MEMBER CONNECTION

2142-01-C122-1401-14



MULTI-PLY MEMBER CONNECTION

2142-01-C122-1401-14

NTS 12

NTS 13

NTS 23

NTS 14

AGOURA HILLS | ADU
CITY OF AGOURA HILLS
TYPICAL WOOD DETAILS

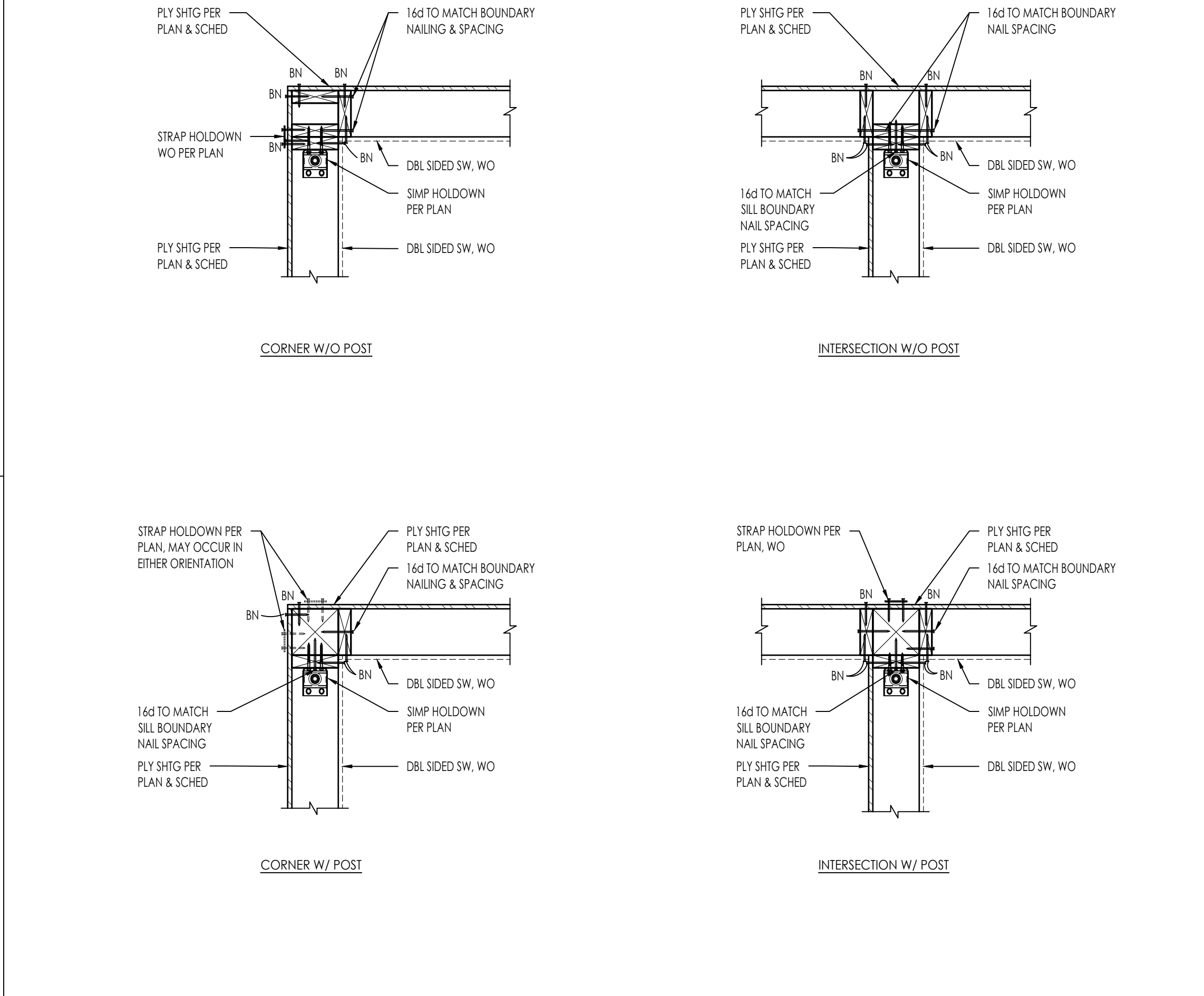
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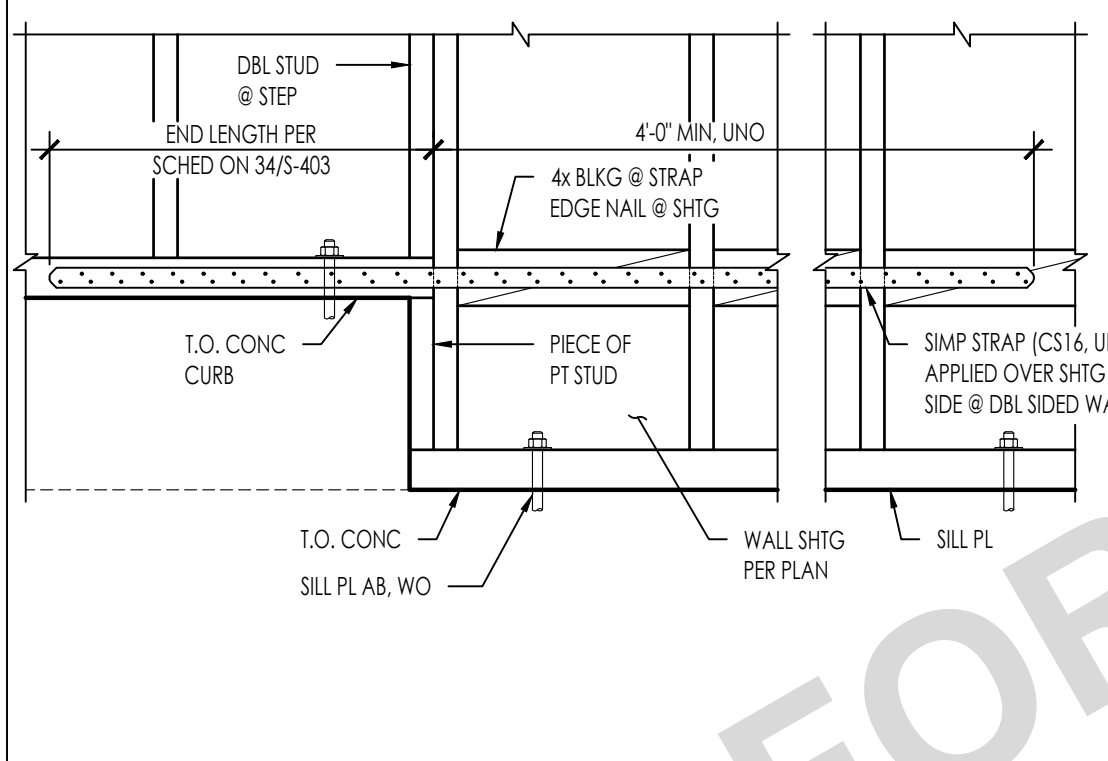
APPROVED SET

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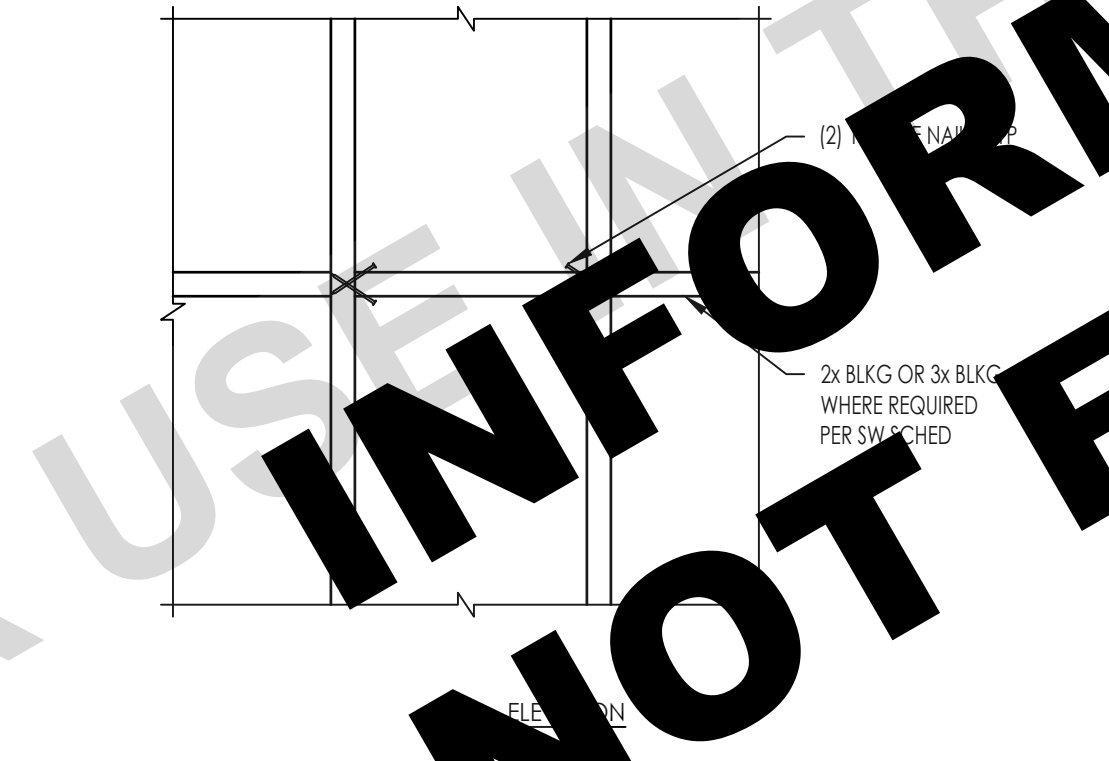
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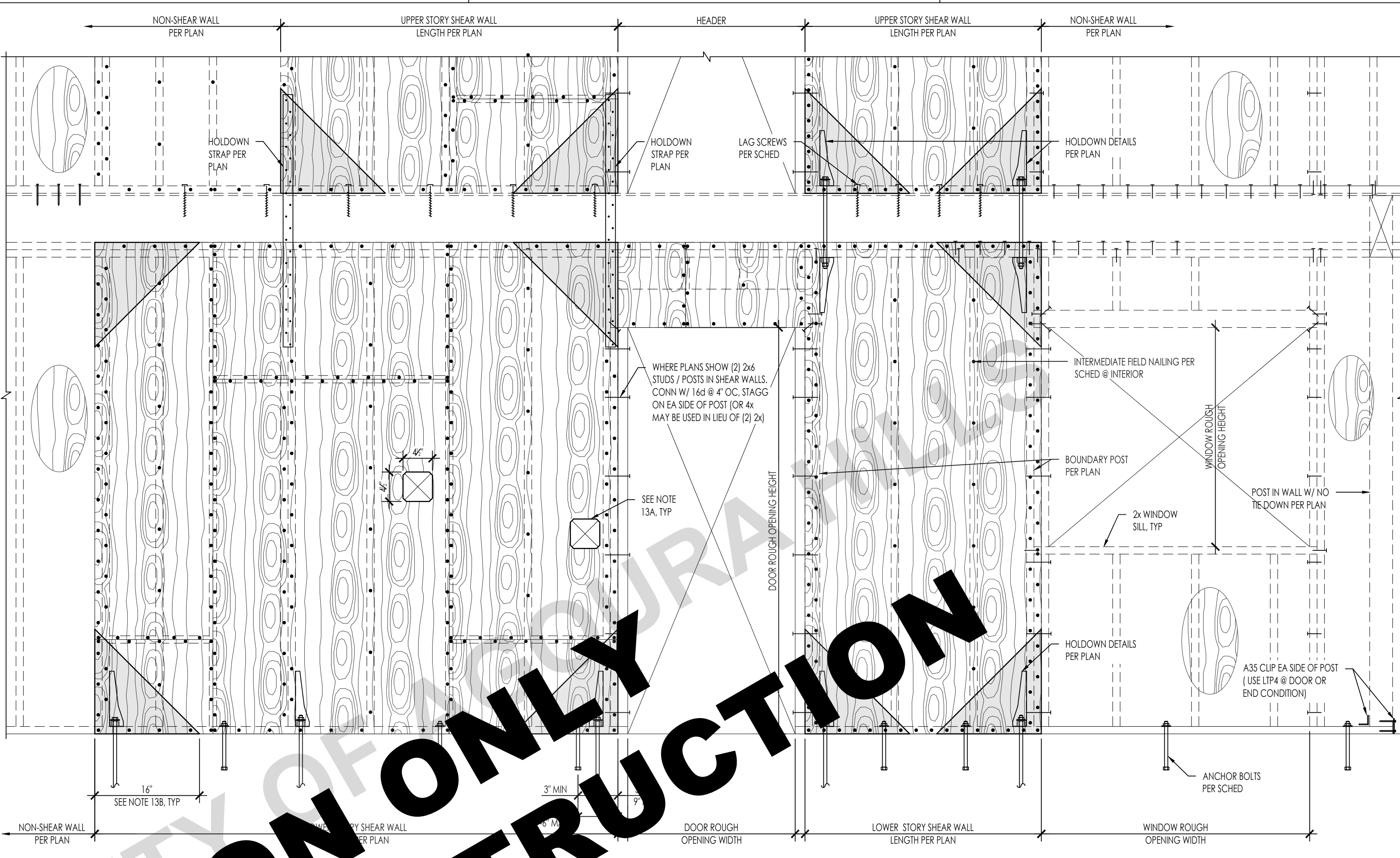
SHEAR WALL INTERSECTION
3142-01-C122-3402-42 NTS 42



STRAP AT STEP IN SHEAR WALL SILL PLATE
3142-01-C122-3402-53 NTS 53



TYPICAL BLOCKING DETAIL
3142-01-C122-3402-43 NTS 43



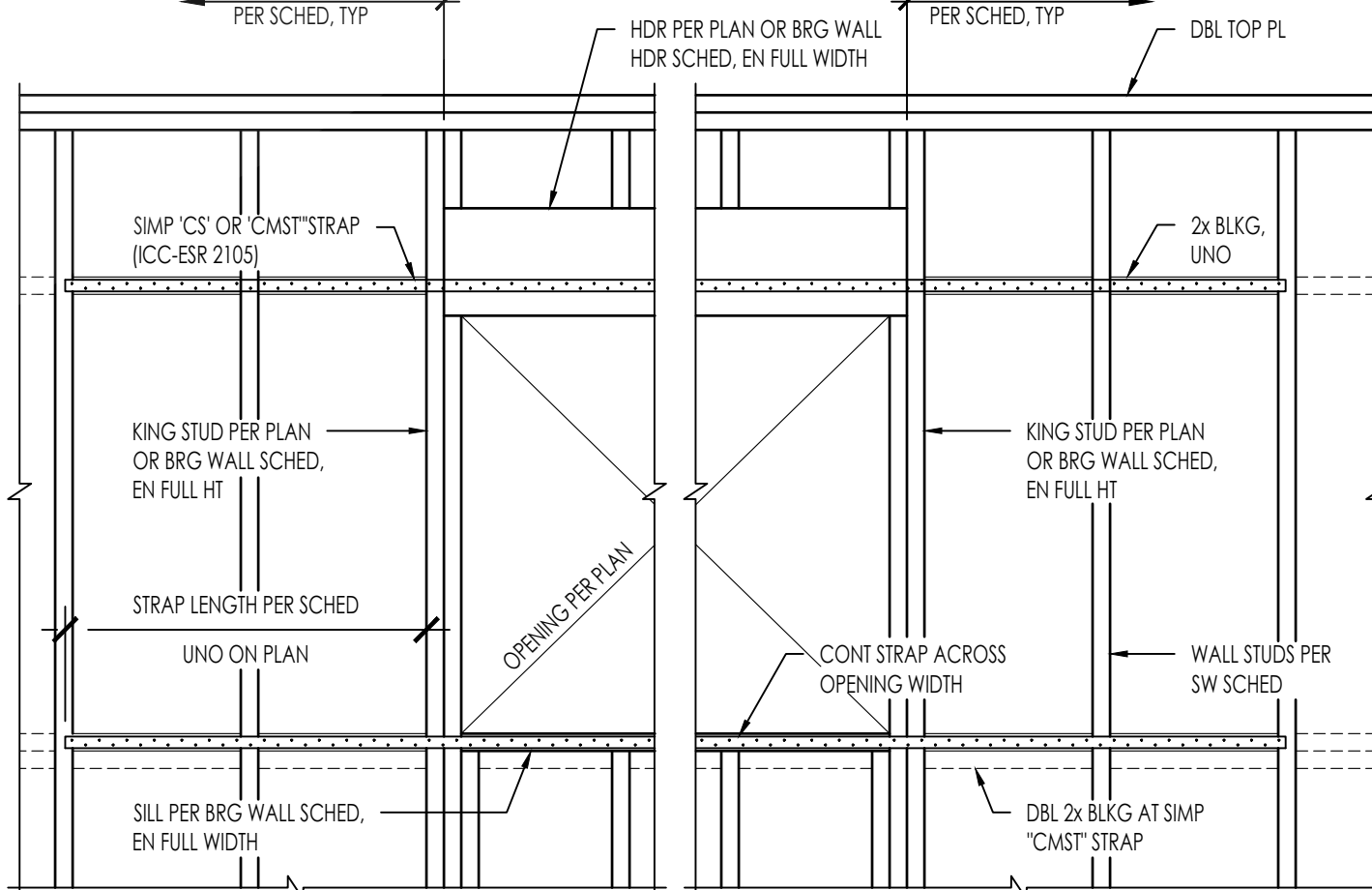
TYPICAL SHEAR WALL ELEVATION AND SCHEDULE
3142-01-C122-3402-13 NTS 13

WALL TYPE	FRAMING SIZE	TERMINATE SUPPORTS	SILL NAILING	ANCHOR BOLTING
STRUCT 1 PLYWOOD	2x (2) 10d @ 5' OC	10d @ 5' OC	5/8" LAG SCREWS @ 12" OC	5/8" DIA @ 48" OC
STRUCT 1 PLYWOOD	2x (2) 10d @ 4' OC	10d @ 4' OC	5/8" LAG SCREWS @ 12" OC	5/8" DIA @ 48" OC
STRUCT 1 PLYWOOD	2x (2) 10d @ 3' OC	10d @ 3' OC	5/8" LAG SCREWS @ 12" OC	5/8" DIA @ 48" OC
STRUCT 1 PLYWOOD	2x (2) 10d @ 2' OC	10d @ 2' OC	5/8" LAG SCREWS @ 12" OC	5/8" DIA @ 48" OC
STRUCT 1 PLYWOOD	2x (2) 10d @ 1' OC	10d @ 1' OC	5/8" LAG SCREWS @ 12" OC	5/8" DIA @ 48" OC
STRUCT 1 PLYWOOD	2x (2) 10d @ 5' OC	10d @ 5' OC	5/8" LAG SCREWS @ 12" OC	5/8" DIA @ 48" OC
STRUCT 1 PLYWOOD	2x (2) 10d @ 4' OC	10d @ 4' OC	5/8" LAG SCREWS @ 12" OC	5/8" DIA @ 48" OC
STRUCT 1 PLYWOOD	2x (2) 10d @ 3' OC	10d @ 3' OC	5/8" LAG SCREWS @ 12" OC	5/8" DIA @ 48" OC
STRUCT 1 PLYWOOD	2x (2) 10d @ 2' OC	10d @ 2' OC	5/8" LAG SCREWS @ 12" OC	5/8" DIA @ 48" OC
STRUCT 1 PLYWOOD	2x (2) 10d @ 1' OC	10d @ 1' OC	5/8" LAG SCREWS @ 12" OC	5/8" DIA @ 48" OC
STRUCT 1 PLYWOOD	2x (2) 10d @ 5' OC	10d @ 5' OC	5/8" LAG SCREWS @ 12" OC	5/8" DIA @ 48" OC
STRUCT 1 PLYWOOD	2x (2) 10d @ 4' OC	10d @ 4' OC	5/8" LAG SCREWS @ 12" OC	5/8" DIA @ 48" OC
STRUCT 1 PLYWOOD	2x (2) 10d @ 3' OC	10d @ 3' OC	5/8" LAG SCREWS @ 12" OC	5/8" DIA @ 48" OC
STRUCT 1 PLYWOOD	2x (2) 10d @ 2' OC	10d @ 2' OC	5/8" LAG SCREWS @ 12" OC	5/8" DIA @ 48" OC
STRUCT 1 PLYWOOD	2x (2) 10d @ 1' OC	10d @ 1' OC	5/8" LAG SCREWS @ 12" OC	5/8" DIA @ 48" OC

- NOTES:
- ALL PLYWOOD SHALL BE 5 PLY MINIMUM WITH A SPAN RATING OF 32/16 AND ALL PANEL EDGES SHALL BE BLOCKED. PROVIDE 1/8" GAP AT ALL PANEL JOINTS.
 - 8d NAIL DEFINED AS 0.131" DIAMETER SHANK x 2 1/2" LONG x 0.281" DIAMETER HEAD. 10d NAIL DEFINED AS 0.148" DIAMETER SHANK x 3" LONG x 0.312" DIAMETER HEAD.
 - PROVIDE E.N. AT ALL END STUDS, STUDS/POSTS WITH HOLDOWNS OR TIE DOWN STRAPS, SILL PLATES AND TOP PLATES.
 - WHERE 10d NAILS ARE 3 INCHES ON CENTER OR LESS, NAILS SHALL BE STAGGERED.
 - NAILS SHALL BE 1/2" INCH MINIMUM FROM PLYWOOD PANEL EDGE AND 3/8" INCH MINIMUM FROM CONNECTING MEMBER EDGE WHERE SHEAR EXCEEDS 300 PLF.
 - USE 3x FRAMING AT BOTTOM SILL PLATES, BLOCKING AND ALL STUDS AT ADJACENT PANEL EDGES WHERE SHEAR EXCEEDS 300 PLF. STRUCTURALLY ACCEPTABLE TO USE (2) 2x INSTEAD OF 3x FRAMING AT BOTTOM SILL PLATES.
 - WHERE SILL SHEAR TRANSFER IS THROUGH LAG SCREWS, SILL PLATE SHALL BE A MINIMUM OF 2 1/2" THICK.
 - LAG SCREWS SHALL BE 6 INCHES LONG AND HOLES ARE TO BE PRE-DRILLED AS TO NOT SPLIT BLOCKING/RIM.
 - SEE ELEVATION ABOVE FOR TYPICAL CONSTRUCTION.
 - REFER TO PLATE WASHER DETAIL FOR REQUIREMENTS.
 - LENGTHEN ANCHOR BOLTS AS REQUIRED FOR EMBEDMENT AND SILL PLATE THICKNESS.
 - ORIENTED STRAND BOARD (OSB) MAY BE SUBSTITUTED FOR PLYWOOD NOTED ABOVE PROVIDED IT IS RATED BY APA'S PERFORMANCE STANDARD RATING AND IS OF THE SAME NUMBER OF LAYERS AS PLYWOOD PLY INDICATED.
 - LIMITATIONS OF MECHANICAL PENETRATIONS IN SHEAR WALLS:
 - A. 4 1/2" MAX PENETRATION
 - B. NO CUTS OR HOLES IN SHEATHING WITHIN 16" OF CORNERS. SQUARE PENETRATIONS SHALL RADIUS EDGES. DO NOT OVER CUT HOLE WITH SAW.
 - ASSUMES A 1 1/4" MIN LSL RIM BOARD. FASTENER EDGE DIST IS 5/8" MIN & 6" END DISTANCE MIN. 2" MIN PENETRATION INTO RIM BOARD.
 - WALL W/ DOUBLE SIDED PLYWOOD REQUIRE (2) RIM BOARDS.
 - SIMPSON LTP4 CLIP SHALL BE INSTALLED IN A HORIZONTAL ORIENTATION. IF CLIP IS INSTALLED OVER THE SHEATHING, 0.131" x 2 1/2" NAILS SHALL BE USED.

MARK	# OF BLKG	SIMPSON STRAP	NAILS EA SIDE OF OPENING	STRAP LENGTH (IN)	ALLOWABLE TENSION LOADS (LBS)
▽1	1	CS20	(12) 10d x 2 1/2"	32	1,030
▽2	1	CS16	(20) 10d x 2 1/2"	32	1,705
▽3	1	CS14	(26) 10d x 2 1/2"	32	2,490
▽4	2	CMST16	(50) 10d x 3 1/2"	39	4,690
▽5	2	CMST14	(66) 10d x 2 1/2"	39	6,475
▽6	2	CMST12	(86) 10d x 2 1/2"	39	9,215

NOTES:
1. 2 BAYS OR 32" MIN STRAP LENGTH
2. EDGE NAILING FROM PLYWOOD TO STUDS / FRAMING SHALL OCCUR ALL AROUND OPENINGS AT THIS CONDITION
3. SEE TYPICAL SHEAR WALL ELEVATION FOR BALANCE OF INFO NOT SHOWN



FORCE TRANSFER AROUND OPENINGS
3142-01-C122-3402-44 NTS 44

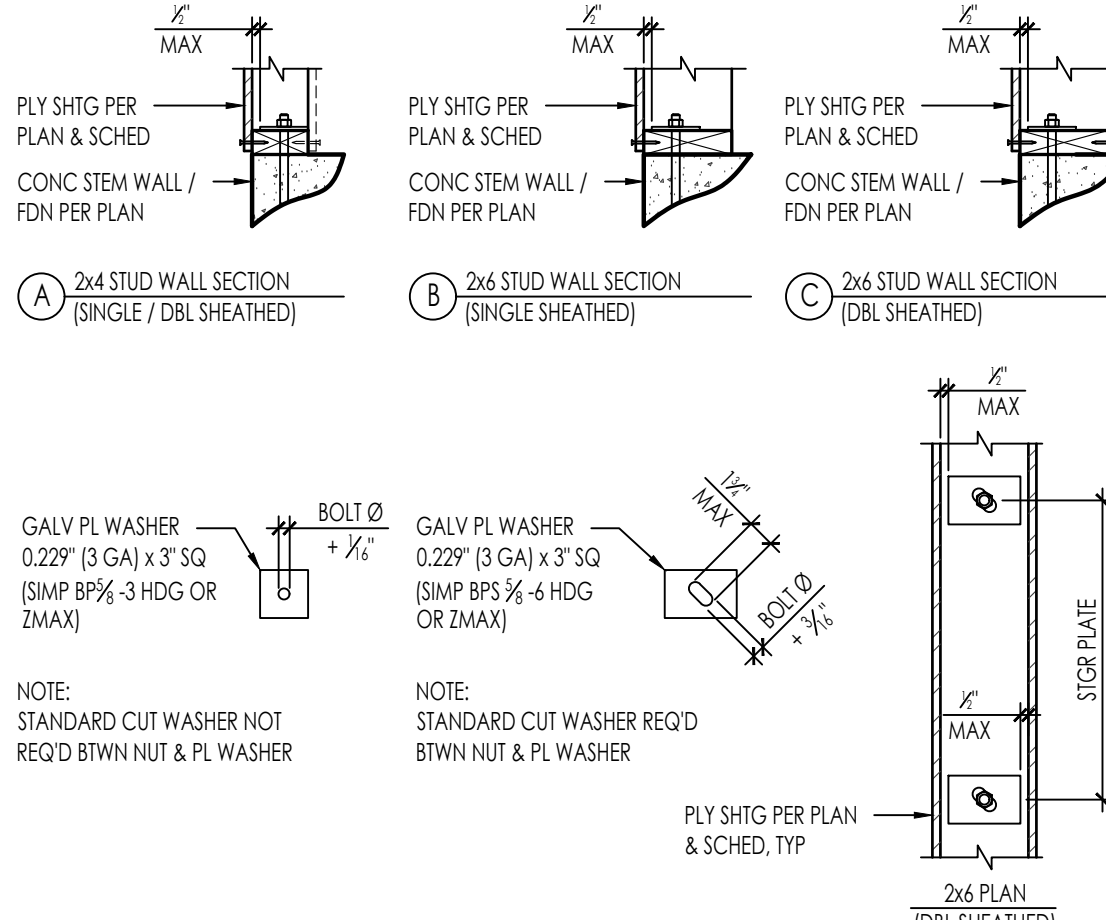
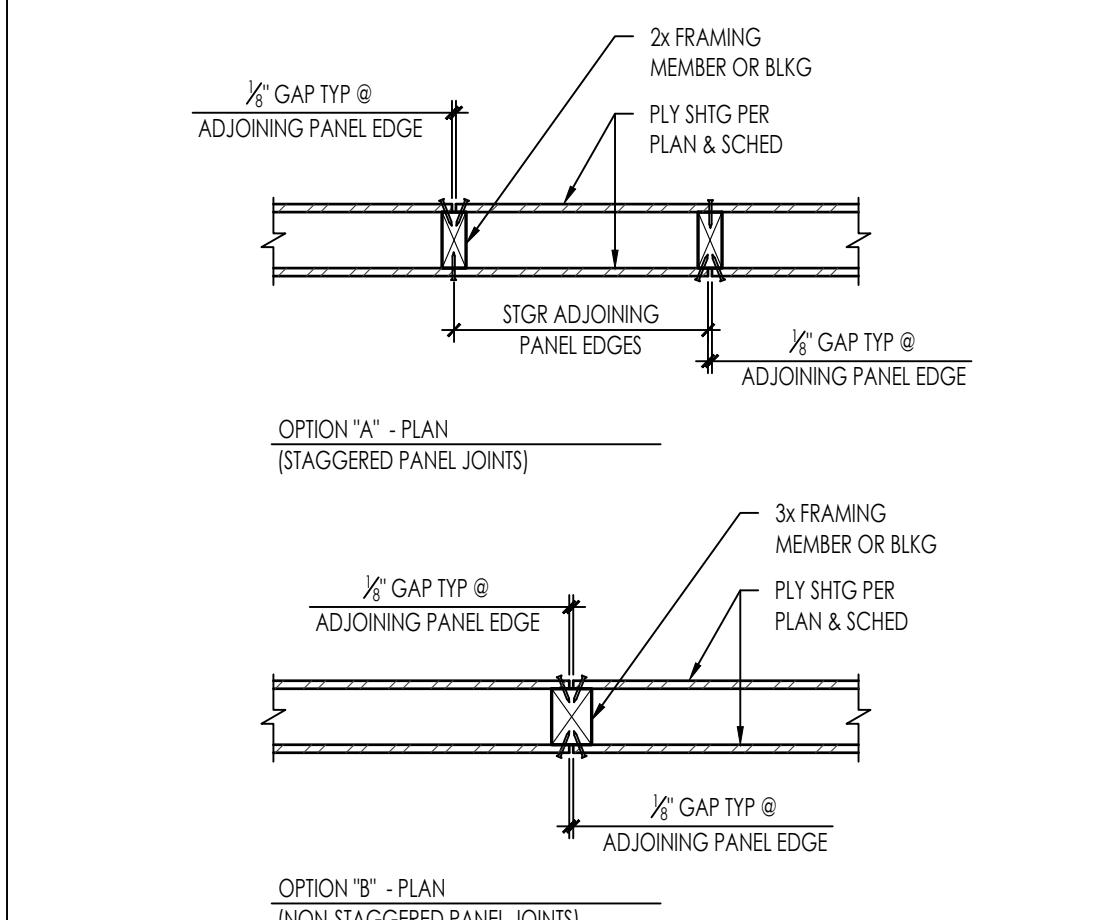
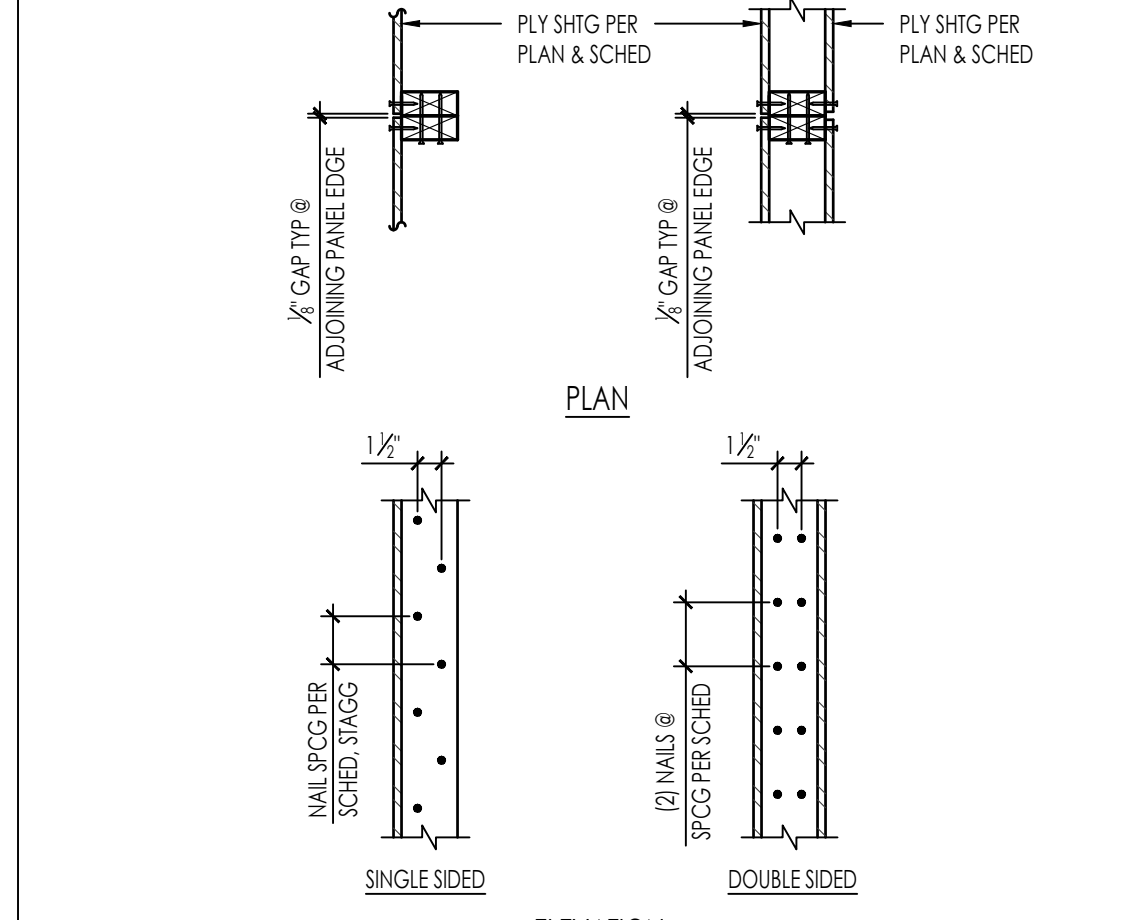


PLATE WASHER DETAIL
3142-01-C122-3402-34 NTS 34



DOUBLE SIDED SHEAR WALL
3142-01-C122-3402-14 NTS 24



2x STUD NAILING @ ADJOINING PANEL EDGES
3142-01-C122-3402-14 NTS 14

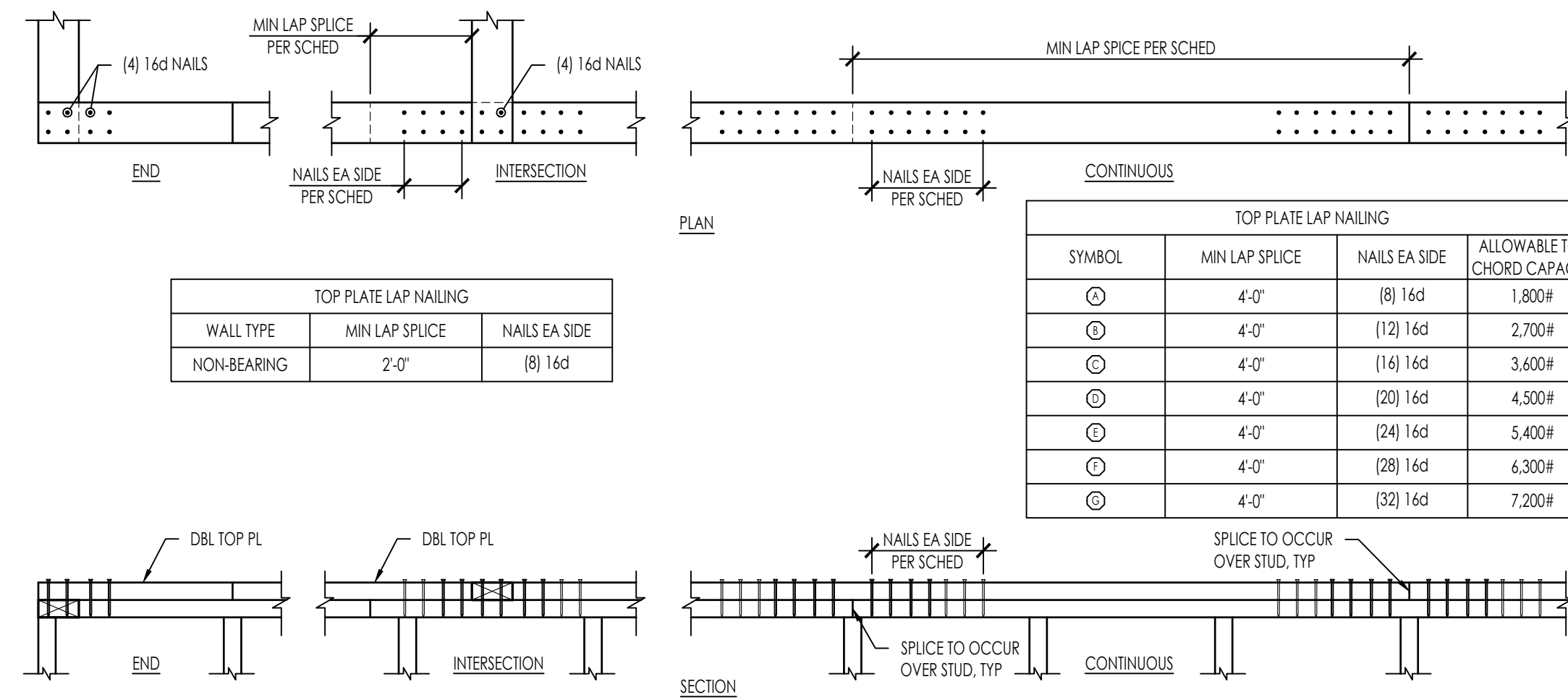
AGOURA HILLS | ADU
CITY OF AGOURA HILLS
TYPICAL WOOD DETAILS

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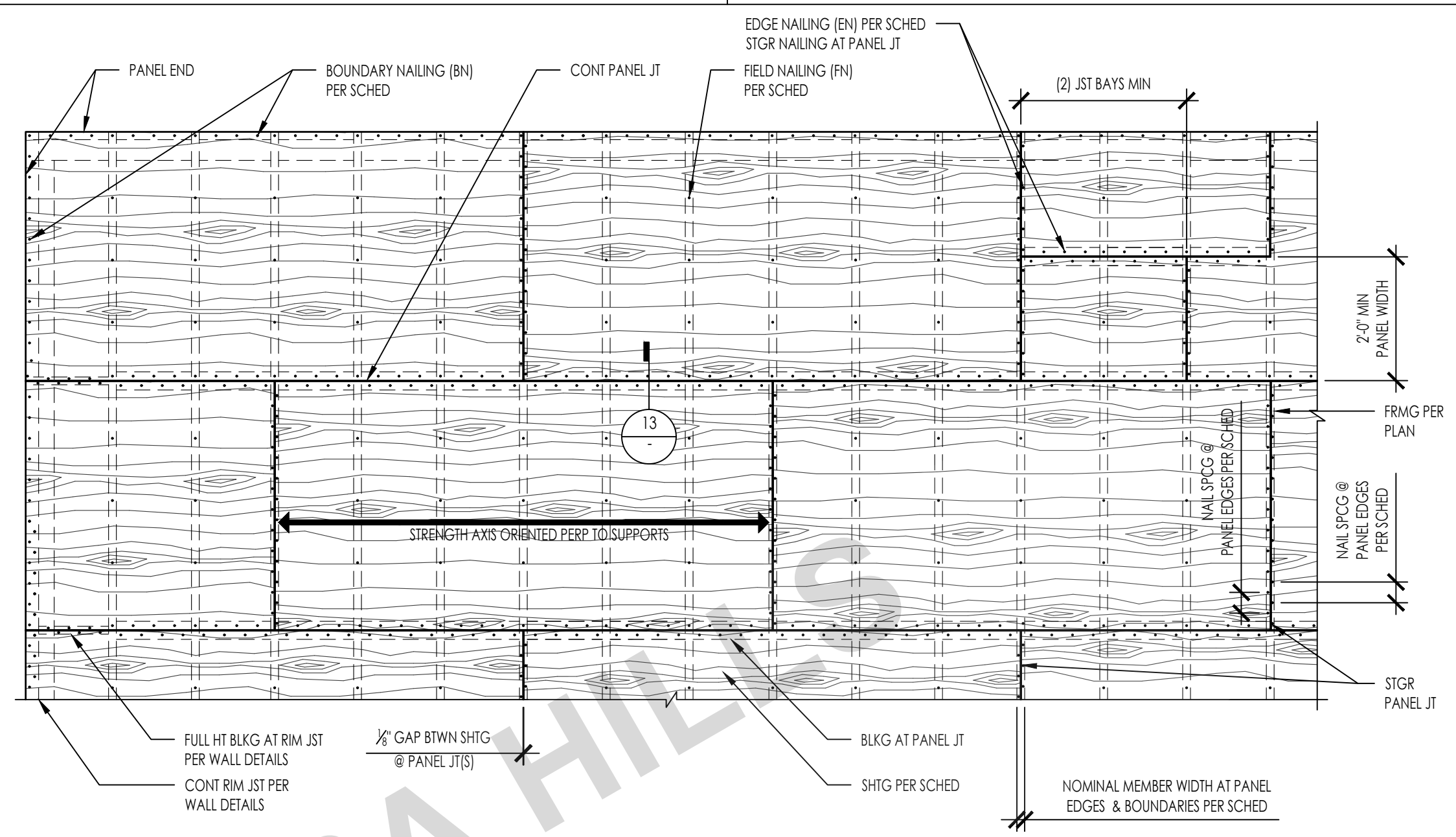
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51 DBL TOP PLATE SPLICE NAILING

2742-01-C122-1403-12



TYPE	LOCATION	SHEATHING THICKNESS	SHEATHING GRADE	SPAN RATING	BLOCKING	NAILS	BOUNDARY NAILING (BN)	EDGE NAILING AT CONT. PANEL EDGES (EN)	EDGE NAILING AT OTHER PANEL EDGES (EN)	FIELD NAILING (FN)	PANEL EDGE SUPPORT OR NOMINAL MEMBER WIDTH AT PANEL EDGES	LINES OF FASTENERS
A	ROOF	SEE NOTES	SHEATHING	32 / 16	NO	-	-	6	12	-	H-CLIPS	1
B	FLOOR	2 1/2"	STURD+FLOR	48 / 24	NO	-	-	6	12	-	T&G	1

NOTES:

1. DIAPHRAGM SHEATHING IS TO BE APPLIED TO FLOOR FRAMING AND ROOF FRAMING. GENERAL NOTES.

2. MINIMUM EDGE DISTANCE FOR NAILS SHALL BE 1/2" FROM SHEATHING EDGE AND 1" FROM LUMBER EDGE.

3. NAILS SHALL BE DRIVEN TIGHT TO TOP OF SHEATHING. NAILS SHALL NOT PENETRATE THE TOP OF PLYWOOD MORE THAN COMMONLY EXPECTED WITH HAMMER DRIVEN NAILS.

4. H-CLIPS ARE SPECIFIED TO BE INSTALLED AS FOLLOWS:

5. ONE H-CLIP SHALL BE PROVIDED WHEN ABUTTING SHEETS AT A LOCATION MIDWAY BETWEEN EACH PAIR OF TRUSSES, RAFTERS OR JOISTS. HOWEVER, (2) H-CLIPS ARE REQUIRED BETWEEN SUPPORTS WHEN SPACED 48 INCHES ON CENTER.

6. USE THE SAME SIZE CLIP AS PANEL THICKNESS. H-CLIPS MUST FIT SNUGLY.

7. ADJOINING SHEETS SHALL BE FITTED AS CLOSELY AS CLIPS PERMIT. OCCASIONAL MISFIT OF ABUTTING SHEETS MAY BE TOLERATED PROVIDING THAT GAPS DO NOT EXCEED MAXIMUM OPENING OF 1/2".

8. ROOF SHEATHING SHALL BE INSTALLED AS FOLLOWS:

9. SINGLE PLY SHEATHING SHALL BE INSTALLED AS FOLLOWS:

10. SINGLE PLY SHEATHING SHALL BE INSTALLED AS FOLLOWS:

11. SINGLE PLY SHEATHING SHALL BE INSTALLED AS FOLLOWS:

12. SINGLE PLY SHEATHING SHALL BE INSTALLED AS FOLLOWS:

13. SINGLE PLY SHEATHING SHALL BE INSTALLED AS FOLLOWS:

14. SINGLE PLY SHEATHING SHALL BE INSTALLED AS FOLLOWS:

15. SINGLE PLY SHEATHING SHALL BE INSTALLED AS FOLLOWS:

16. SINGLE PLY SHEATHING SHALL BE INSTALLED AS FOLLOWS:

17. SINGLE PLY SHEATHING SHALL BE INSTALLED AS FOLLOWS:

18. SINGLE PLY SHEATHING SHALL BE INSTALLED AS FOLLOWS:

19. SINGLE PLY SHEATHING SHALL BE INSTALLED AS FOLLOWS:

20. SINGLE PLY SHEATHING SHALL BE INSTALLED AS FOLLOWS:

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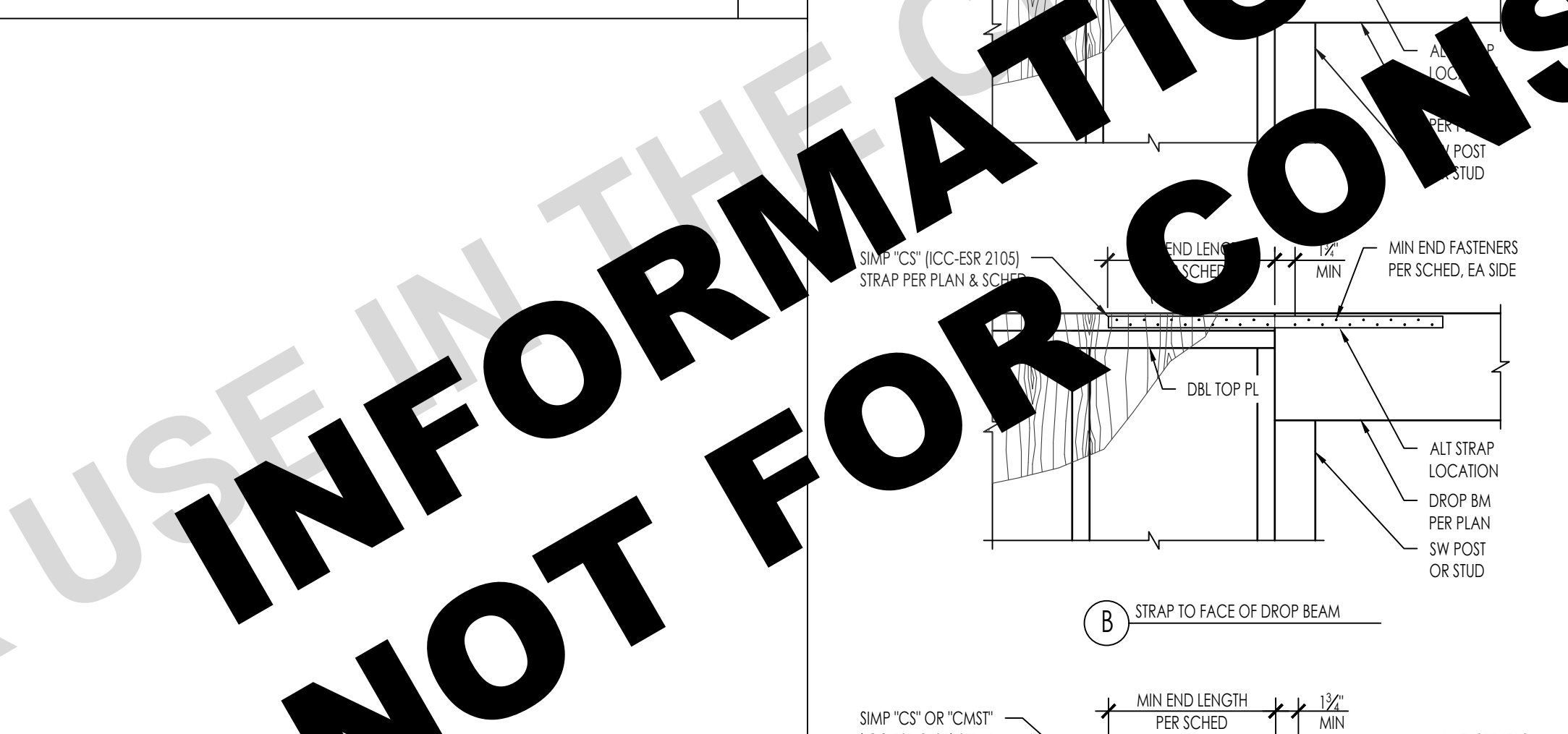
99. SINGLE PLY SHEATHING SHALL BE INSTALLED AS FOLLOWS:

100. SINGLE PLY SHEATHING SHALL BE INSTALLED AS FOLLOWS:

52 WOOD DIAPHRAGM SHEATHING

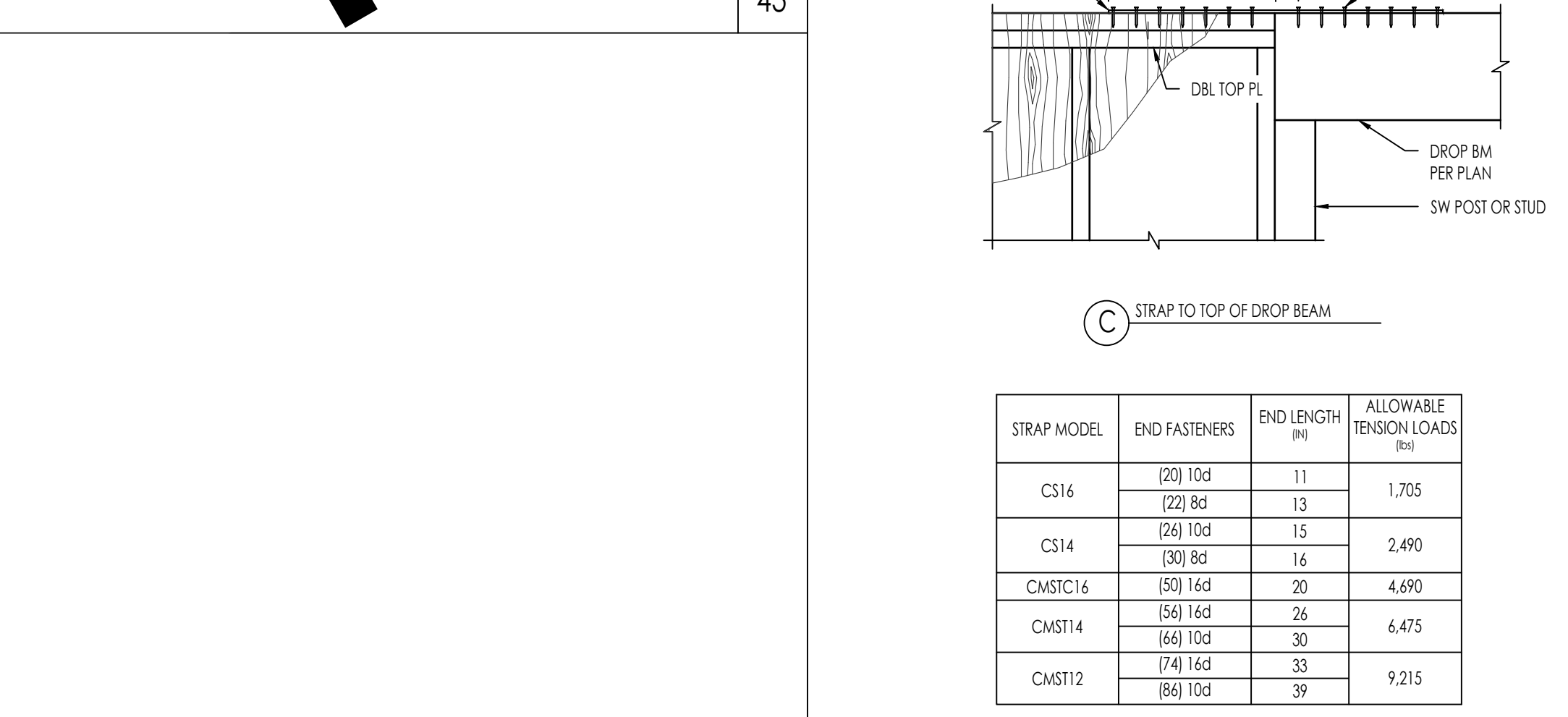
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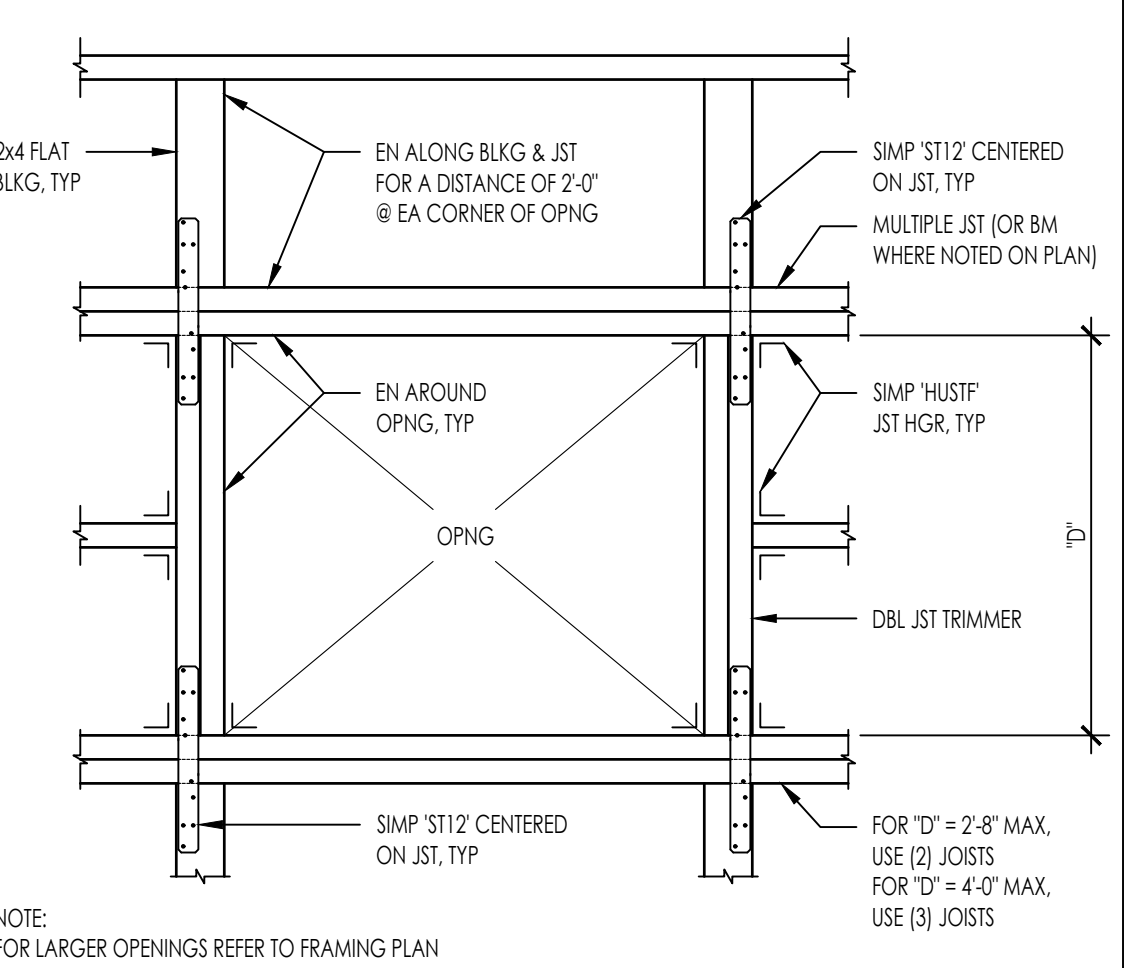
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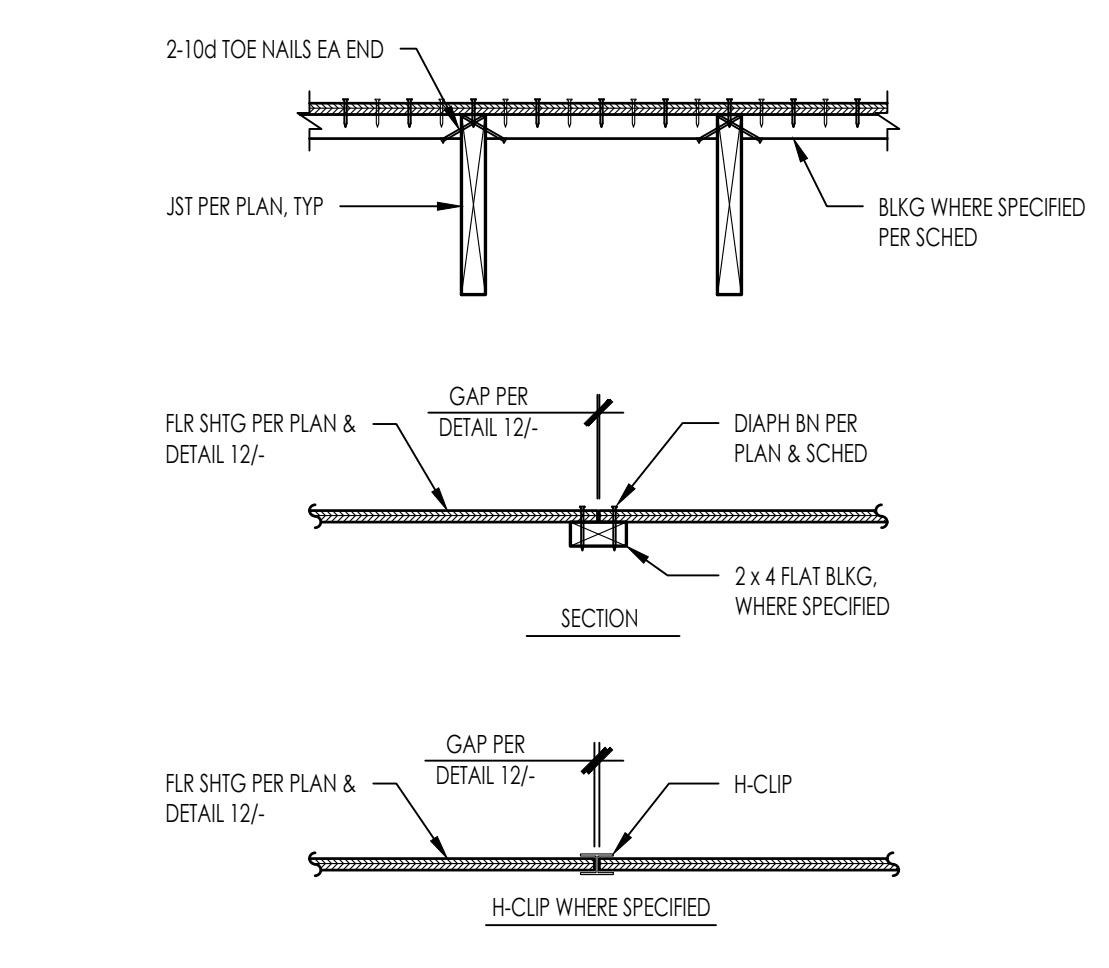
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44 DRAG STRAP AT BEAM-TO-WALL



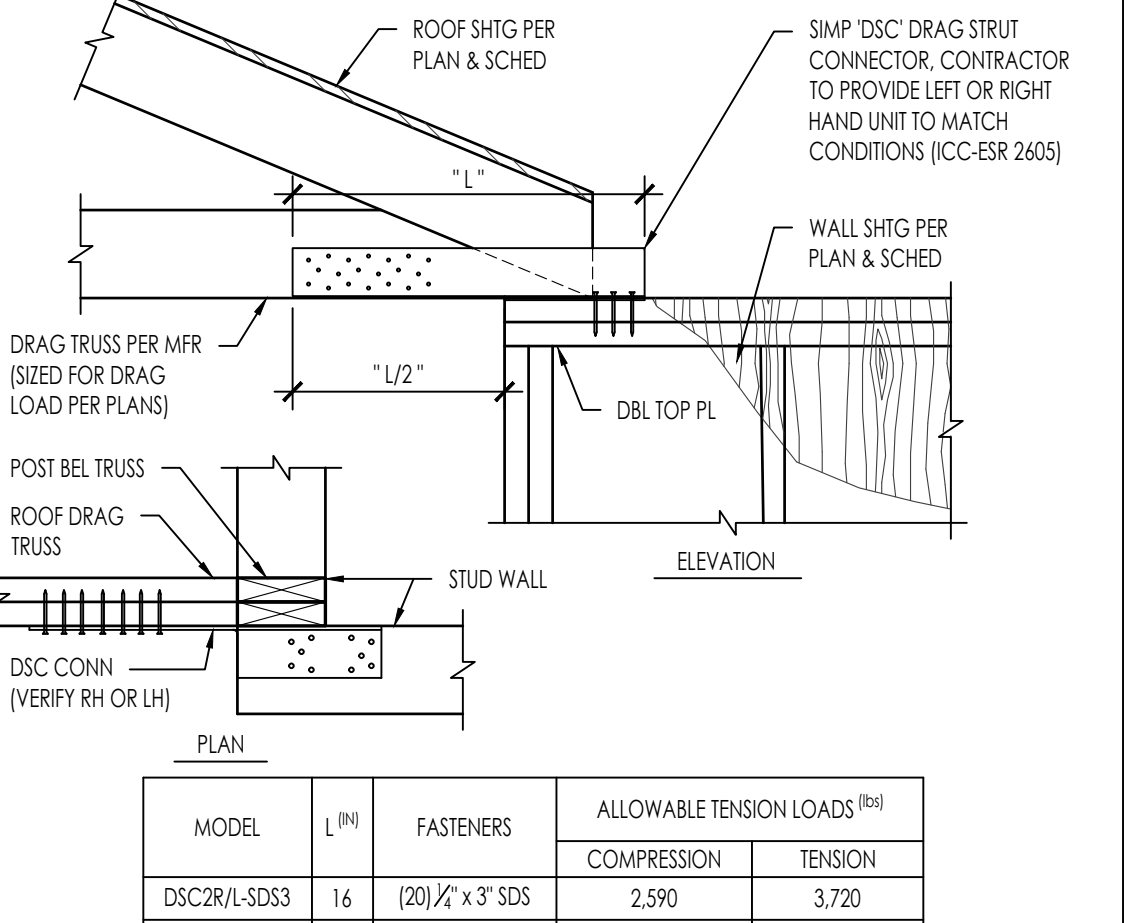
55 OPENING AT FRAMING

2742-01-C122-1403-23



56 DIAPHRAGM PANEL JOINTS

2742-01-C122-1403-13



57 DRAG TRUSS TO WALL CONNECTION

58 TYP JOIST BLOCKING

2742-01-C122-1403-14

AGOURA HILLS | ADU

CITY OF AGOURA HILLS

TYPICAL WOOD DETAILS

APPROVED SET

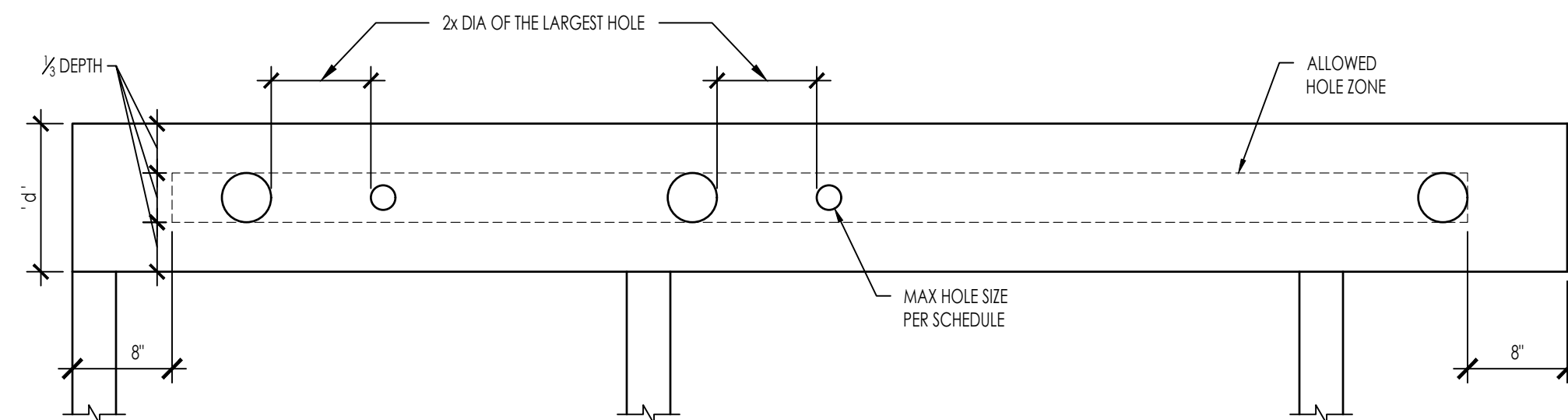
DATE
09/28/23

SHEET
S1-403

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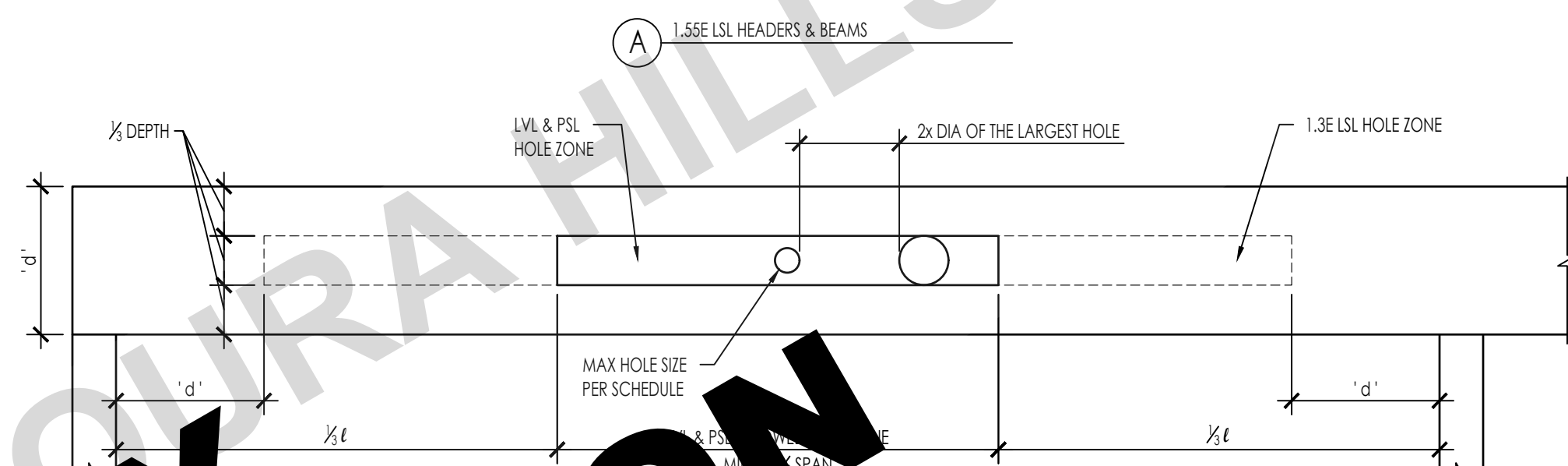
THESE PLANS ARE PROVIDED BY THE CITY OF AGOURA HILLS AS PART OF THE PRE-APPROVED ADU PROGRAM AND ARE PUBLIC DOMAIN. THERE CANNOT BE A CHARGE TO PROVIDE THESE PLANS. NO ALTERATIONS TO THESE PLANS ARE ALLOWED. ALL ALTERATIONS MUST BE DONE UNDER A SEPARATE PERMIT ONCE THE BUILDING PERMIT FOR THE ADU HAS BEEN ISSUED AND FINAL INSPECTION COMPLETED. IF YOU DO NOT HAVE THE CONSTRUCTION KNOWLEDGE AND EXPERIENCE TO CONTRACT THESE PLANS WITHOUT FURTHER DETAILS, IT IS RECOMMENDED YOU HIRE A CONTRACTOR TO DO THE CONSTRUCTION. THE CITY WILL NOT PROVIDE FURTHER INFORMATION OR DETAILS AND BUILDING INSPECTORS WILL NOT PROVIDE STEP BY STEP INSTRUCTIONS IN THE FIELD.



1.55E LSL BEAMS & HEADERS

HEADER OR BEAM DEPTH	MAX ROUND HOLE SIZE
9 1/2"	3"
11 7/8"	3 3/8"
14'-16"	4 3/8"

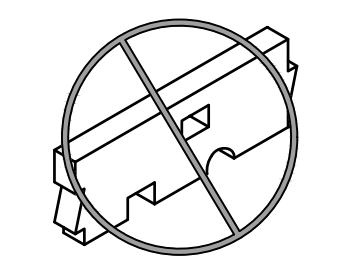
- 1.55E LSL NOTES:
- ALLOWED HOLE ZONE SUITABLE FOR HEADERS AND BEAMS WITH UNIFORM AND/OR CONCENTRATED LOADS ANYWHERE ALONG THE MEMBER.
 - ROUND HOLES ONLY.
 - NO HOLES IN HEADERS OR BEAMS IN PLANK ORIENTATION.



LVL, PSL & 1.3E LSL HEADERS & BEAMS

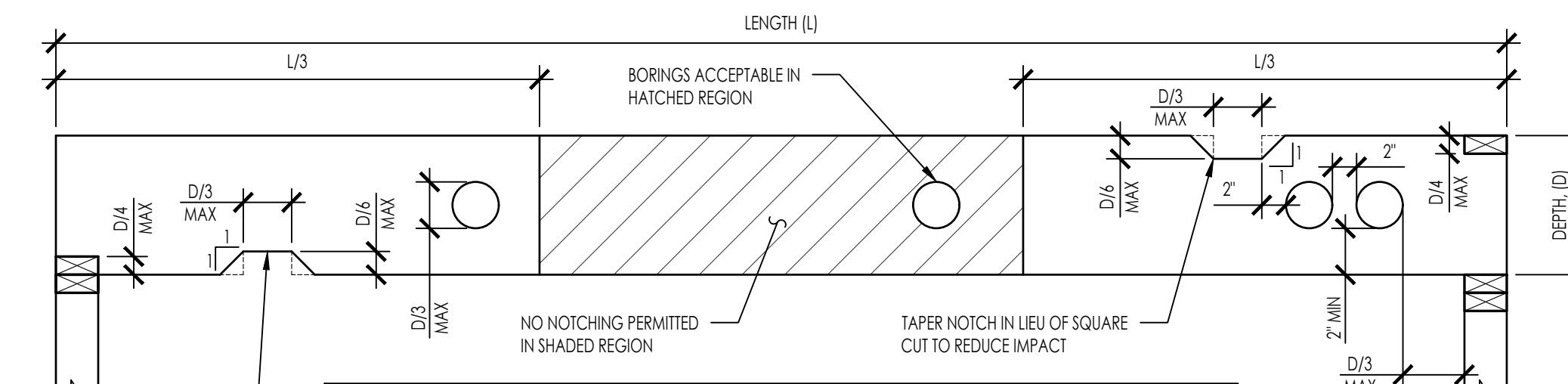
HEADER OR BEAM DEPTH	MAX ROUND HOLE SIZE
4"	1"
4 1/2"	1 1/4"
5"	1 1/2"
5 1/2"	2"

- LVL/PSL/1.3E LSL:
- ALLOWED HOLE ZONE SUITABLE FOR HEADERS AND BEAMS WITH UNIFORM LOADS ONLY.
 - ROUND HOLES ONLY.
 - NO HOLES IN CANTILEVERS.
 - NO HOLES IN HEADERS OR BEAMS IN PLANK ORIENTATION.



DO NOT CUT, NOTCH, OR DRILL HOLES IN HEADERS OR BEAMS EXCEPT AS INDICATED IN THE ILLUSTRATIONS AND TABLES

ALLOWABLE HOLES THRU ENGINEERED LUMBER HEADERS & BEAMS

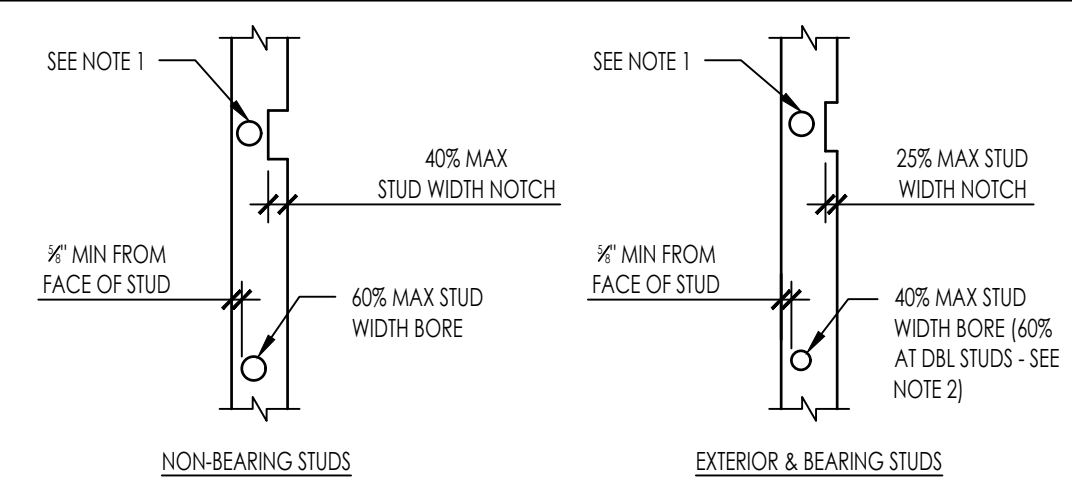


- NOTES:
- NOTCHING AND BORING NOT PERMITTED IN THE SAME JOIST CROSS SECTION WITHOUT STRUCTURAL ENGINEER'S APPROVAL.
 - NOTCH WIDTHS GREATER THAN SHOWN IN TABLE NOT PERMITTED WITHOUT STRUCTURAL ENGINEER'S APPROVAL.
 - NO NOTCHES OR HOLES PERMITTED ANYWHERE IN CANTILEVERED ELEMENTS WITHOUT STRUCTURAL ENGINEER'S APPROVAL.

NOTCH AND HOLE LIMITATIONS

JOIST SIZE	MAX HOLE	MAX NOTCH DEPTH	MAX END NOTCH	MAX NOTCH LENGTH
2X4	NONE	NONE	NONE	NONE
2X6	1 1/2"	1/2"	1 3/8"	1 1/2"
2X8	2 3/8"	1 1/2"	1 3/8"	2 3/8"
2X10	3"	1 1/2"	2 3/8"	3"
2X12	3 3/4"	1 1/2"	2 3/8"	3 3/4"

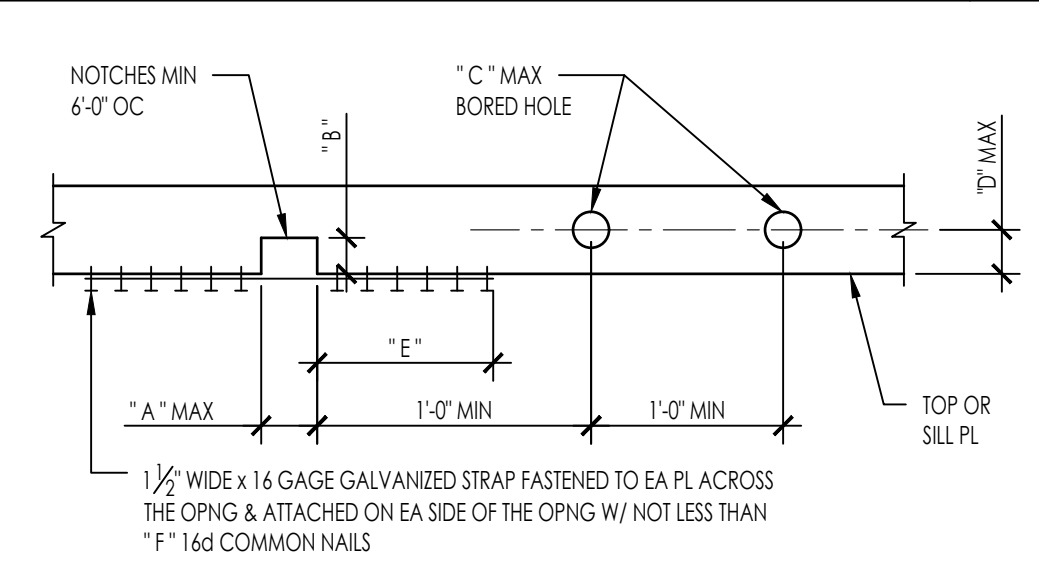
SAWN LUMBER AND RAFTER JOIST NOTCHING AND BORING LIMITATIONS



MAXIMUM BORED HOLE DIAMETER/NOTCH DEPTH

STUD SIZE (IN)	APPLICATION	MAX HOLE DIAMETER (IN)	MAX NOTCH DEPTH (IN)
2X4	NON-BEARING	2 3/8"	1 3/8"
	EXTERIOR/BEARING	1 3/8"	1/2"
2X6	NON-BEARING	3 1/4"	2 3/8"
	EXTERIOR/BEARING	2 3/8"	1 3/8"

- NOTES:
- NOTCHING AND BORING NOT PERMITTED IN THE SAME STUD SECTION.
 - NO MORE THAN 2 SUCCESSIVE DBL. STUDS ARE PERMITTED TO HAVE 60% MAX BORED HOLES.



NOTCH AND HOLE LIMITATIONS

TOP PL OR SILL PL	A	B	C	D	E	F
2X4	3/8"	1/2"	1/2"	1/2"	3/4"	6
2X6	1/2"	3/4"	3/4"	3/4"	1"	9
2X8	3/4"	3"	3/4"	3/4"	1 1/4"	12

TYP WALL NOTCH AND BORING LIMITATIONS

24

TOP PL AND SILL NOTCH AND BORING LIMITATIONS

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FOR USE IN THE CITY OF AGOURA HILLS

INFORMATION ONLY

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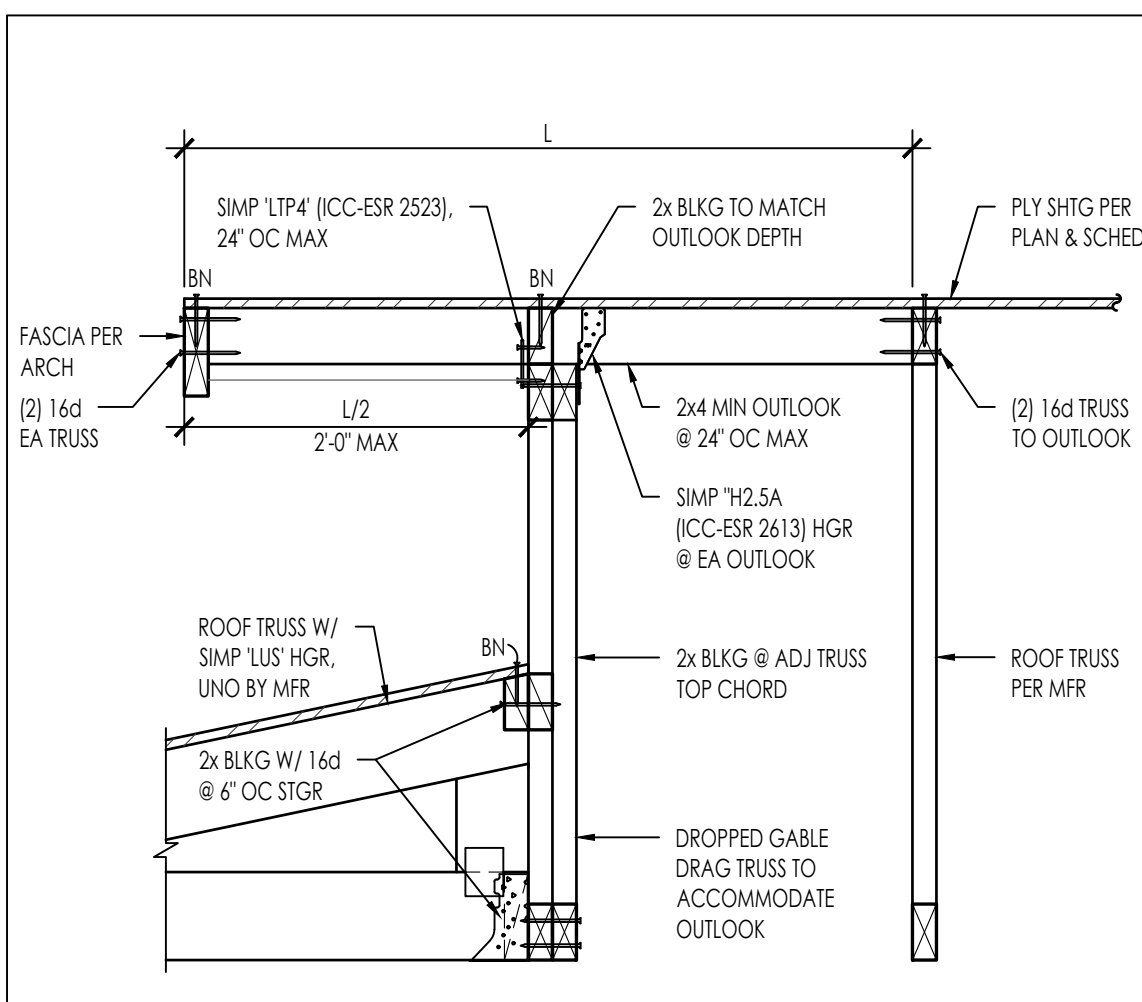
AGOURA HILLS | ADU
CITY OF AGOURA HILLS
TYPICAL WOOD DETAILS

APPROVED SET

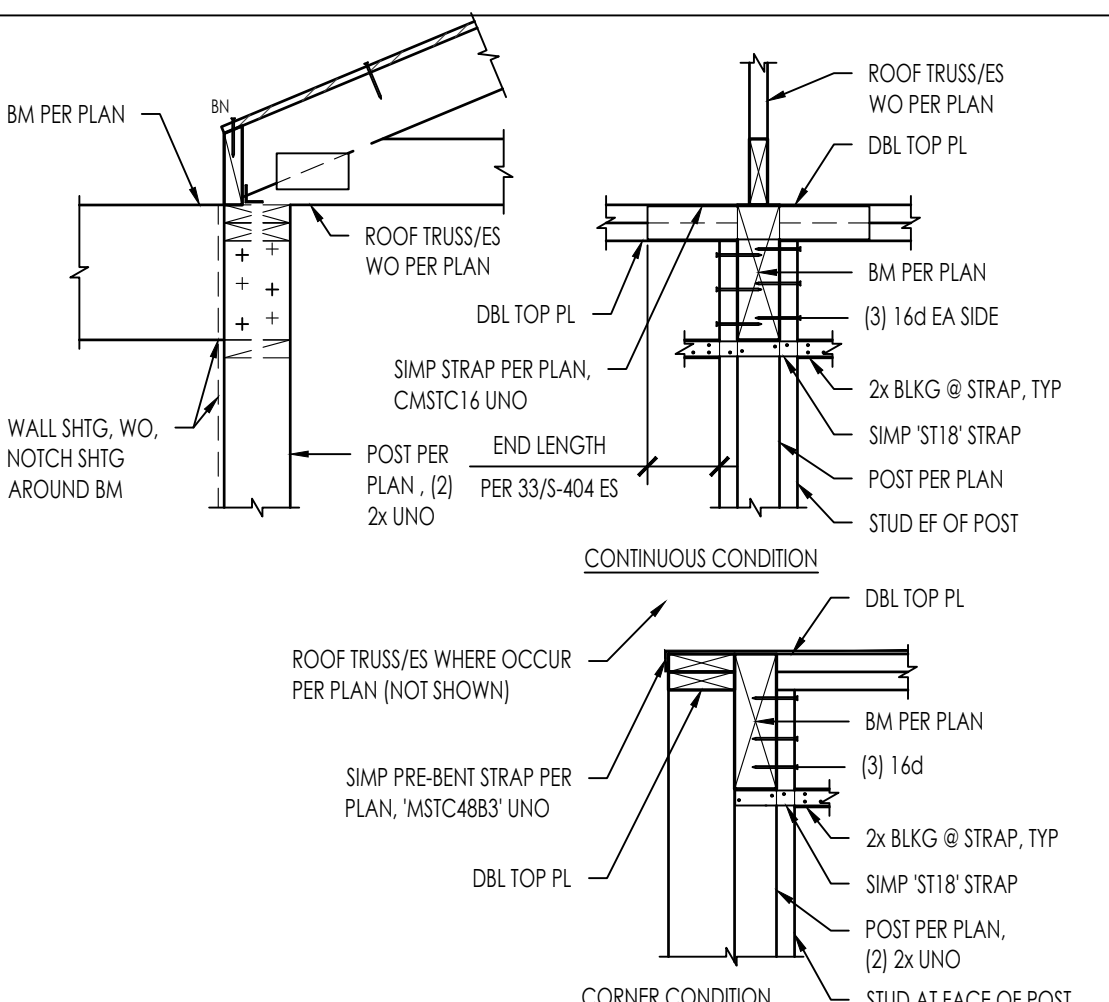
DATE
09/28/23
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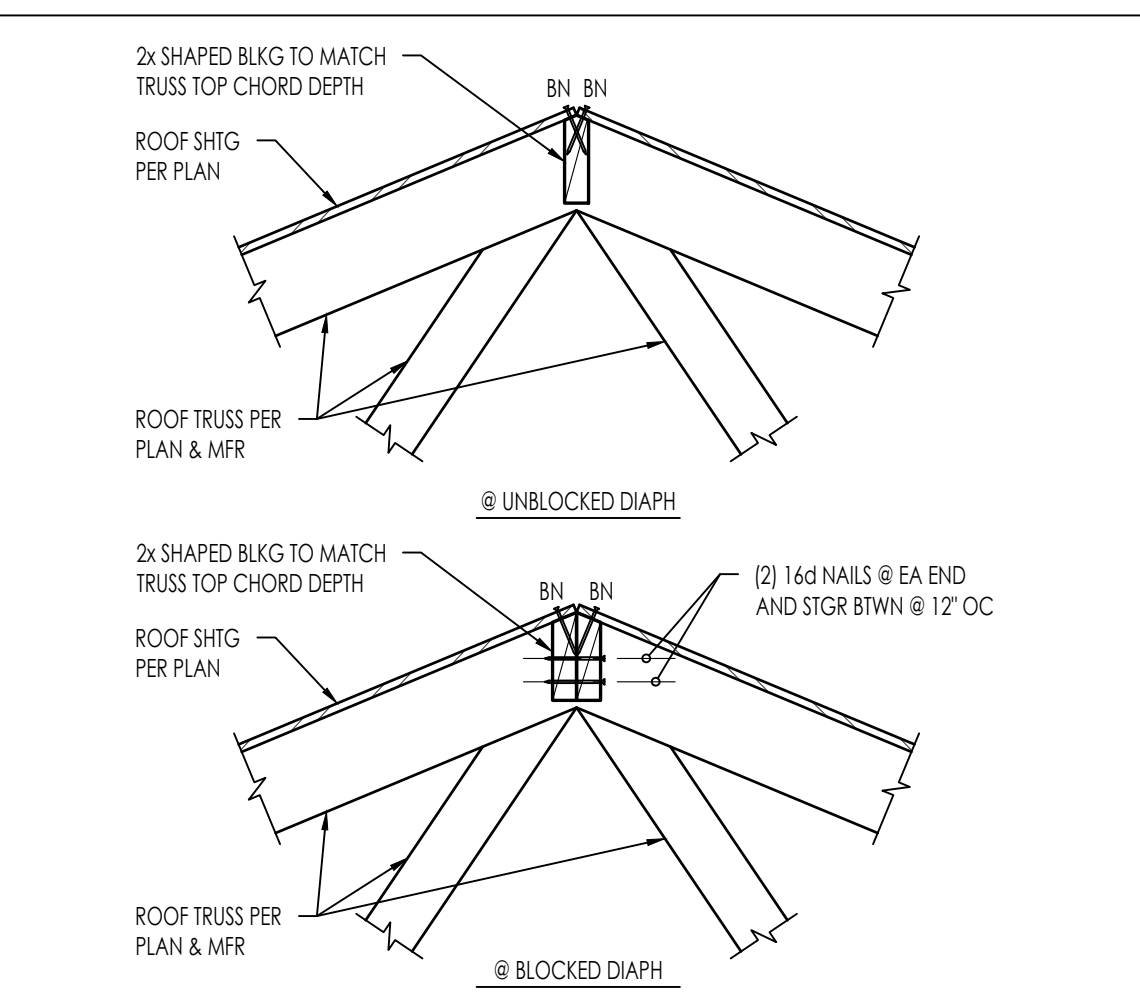
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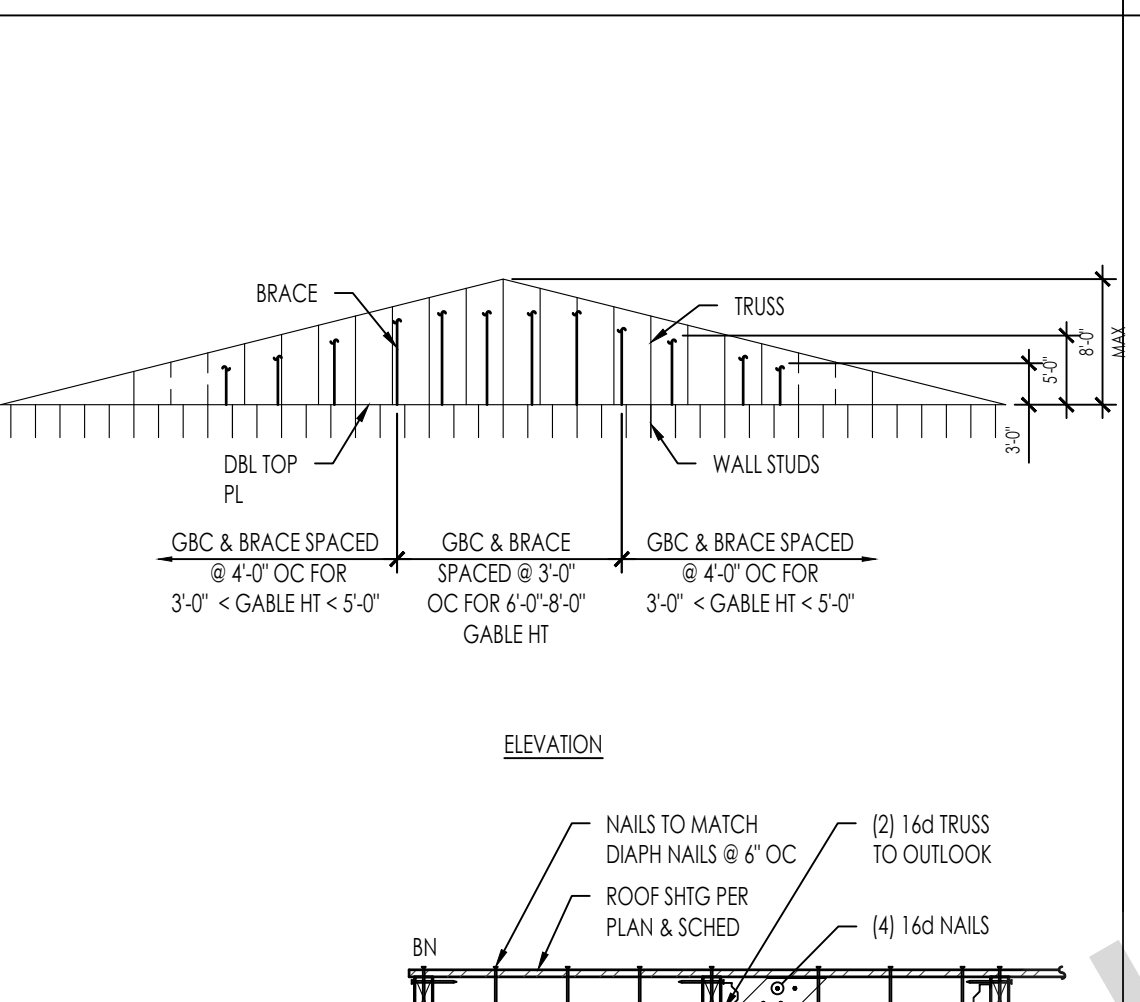
DIAPH TRANSITION W/ OVERHANG
274201-C122-1401-01 1" = 1'-0" 51



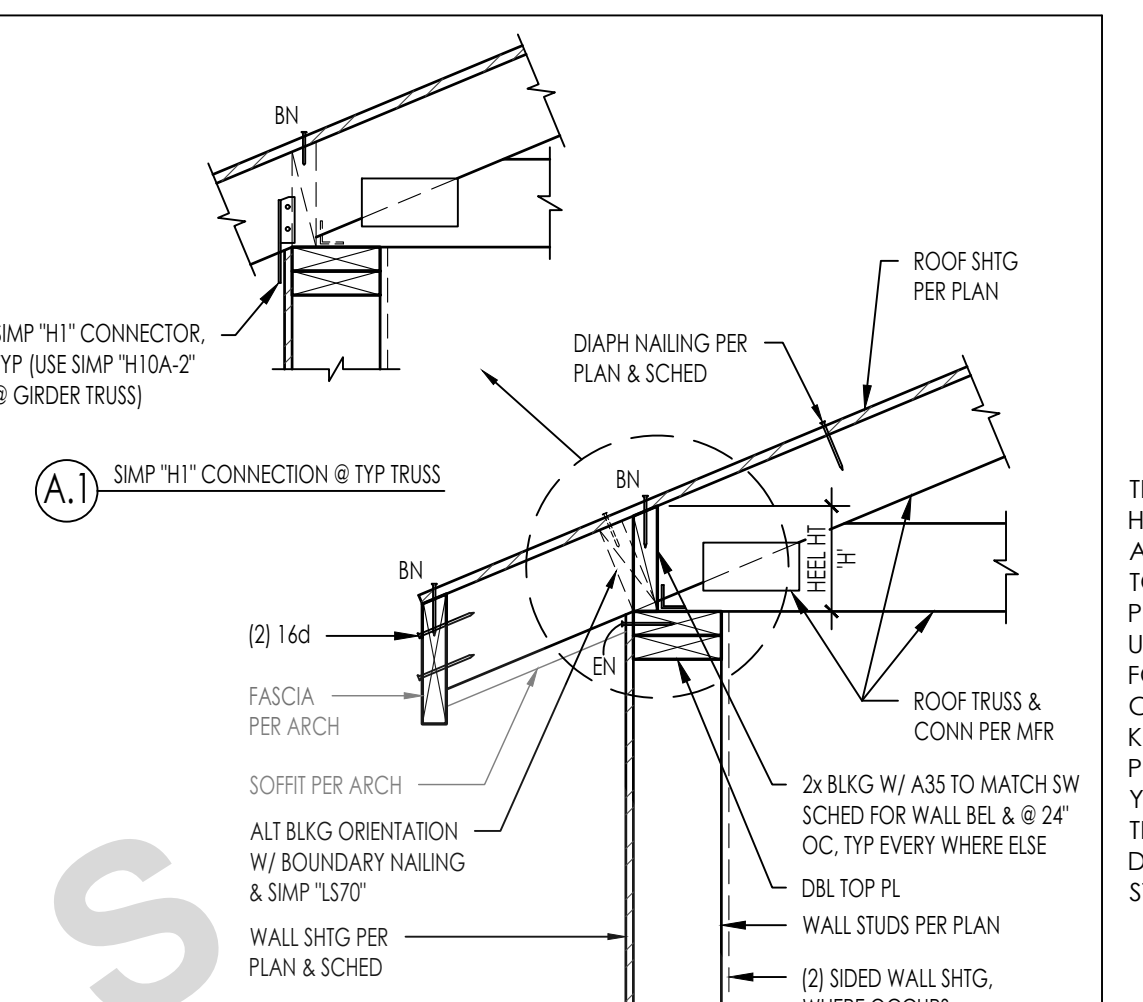
BEAM POCKET THROUGH EXTERIOR WALL
274201-C122-1401-01 3/4" = 1'-0" 41



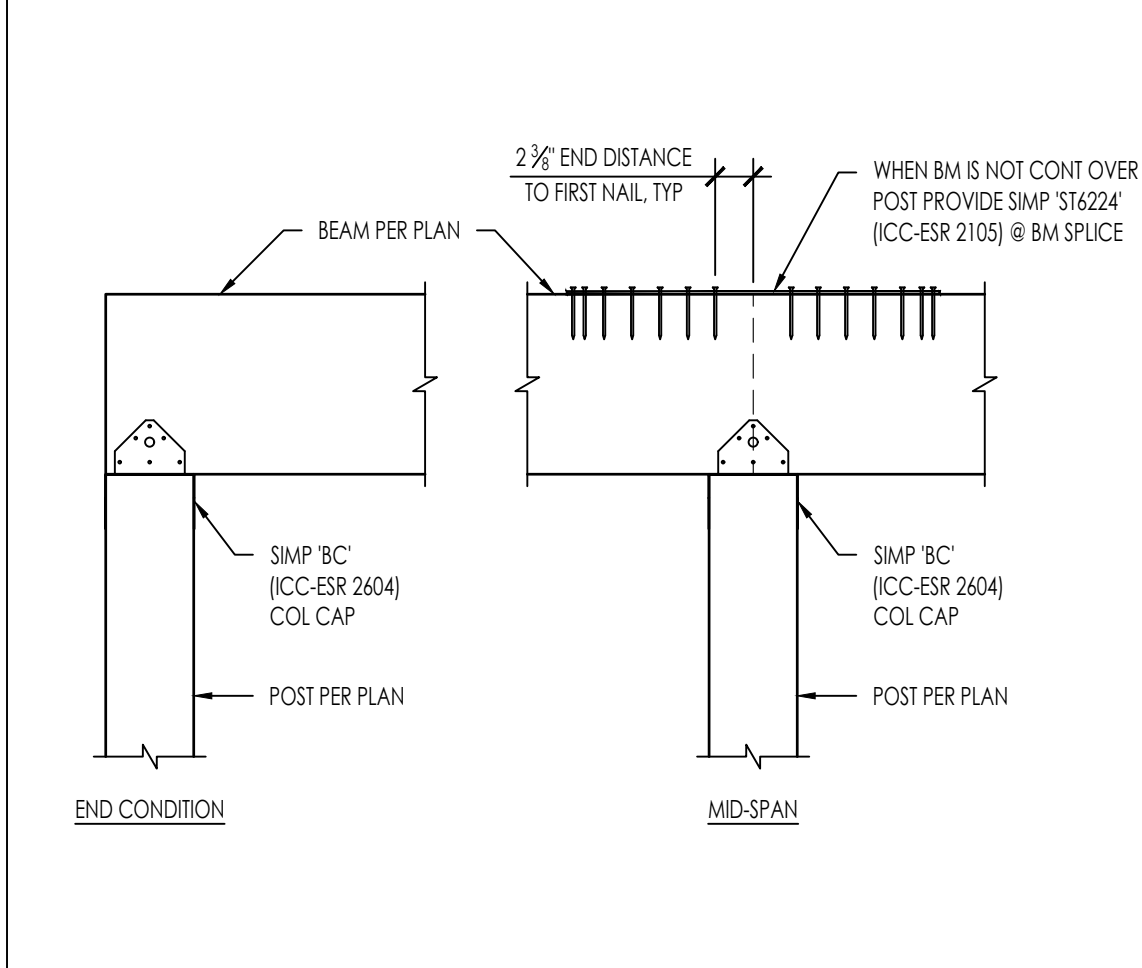
SHEATHING OVER ROOF RIDGE
274201-C122-1401-01 1" = 1'-0" 31



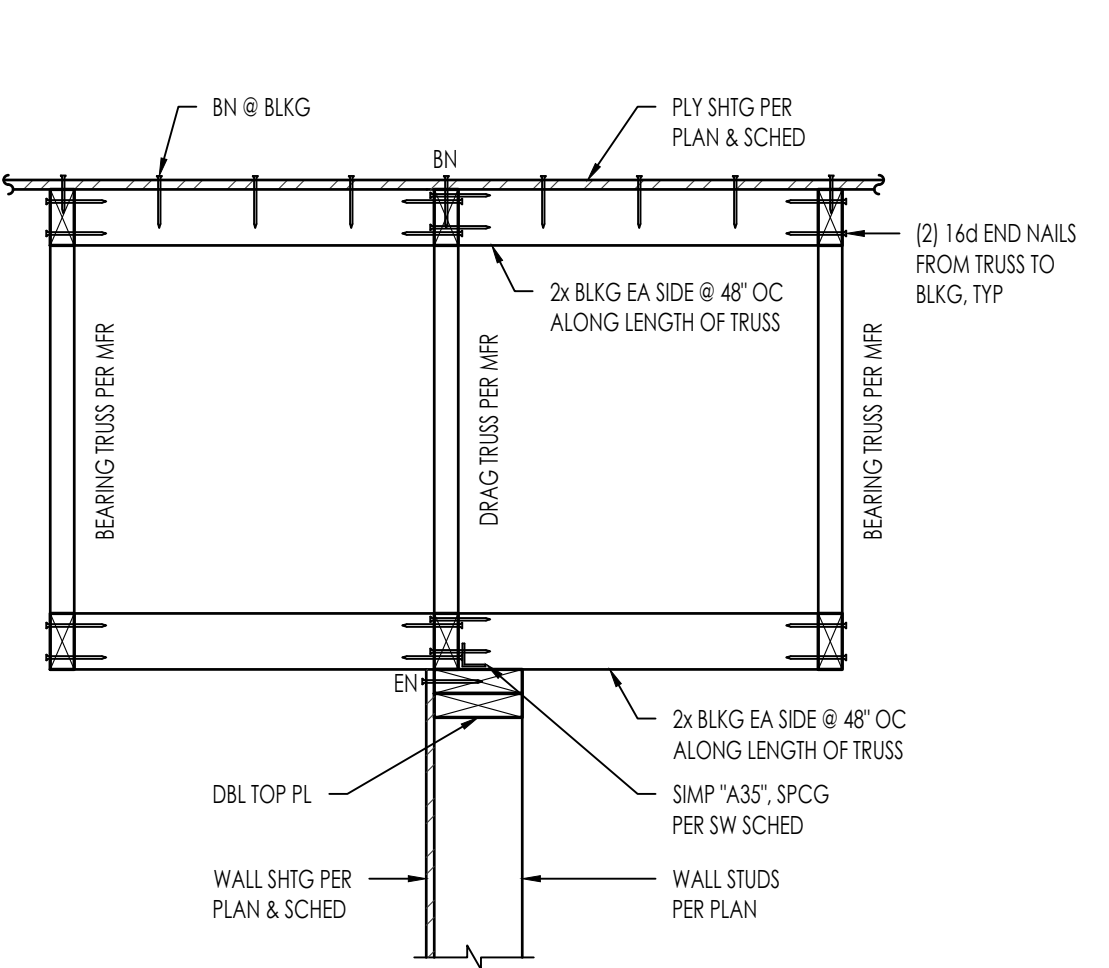
ELEVATION
274201-C122-1401-01 1" = 1'-0" 31



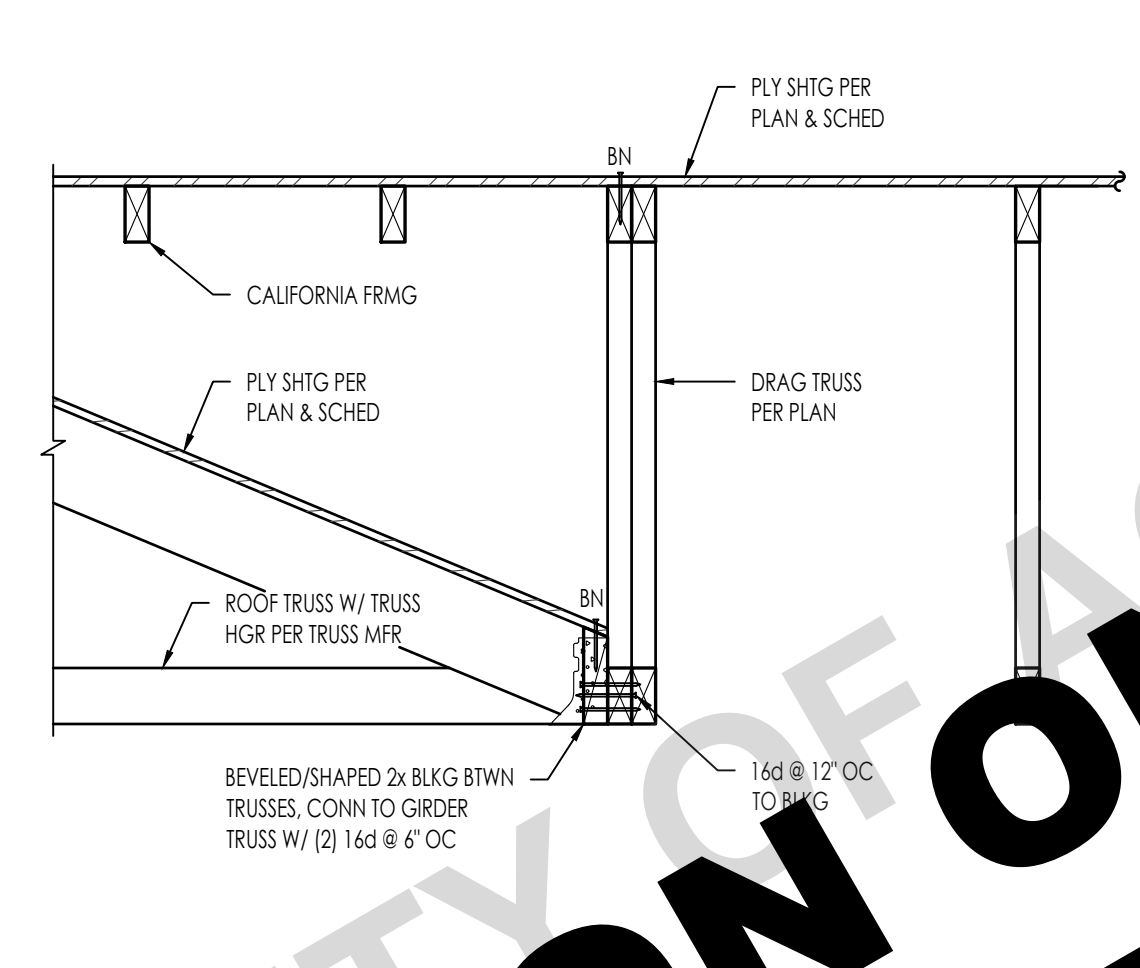
TYPICAL TRUSS HEEL (H ≤ 7 1/2')
274201-C122-1401-01 1" = 1'-0" 13



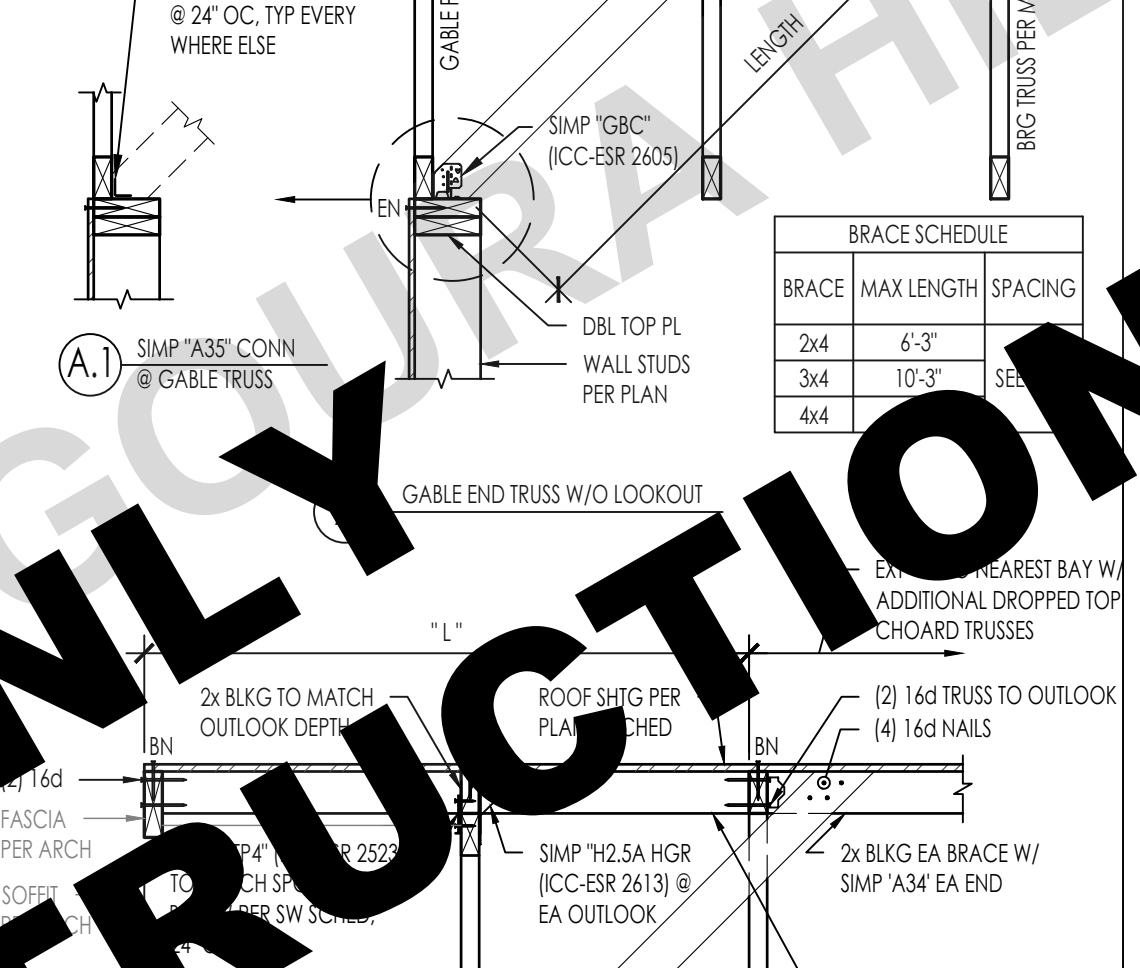
BEAM TO POST CONNECTION
274201-C122-1401-02 1" = 1'-0" 52



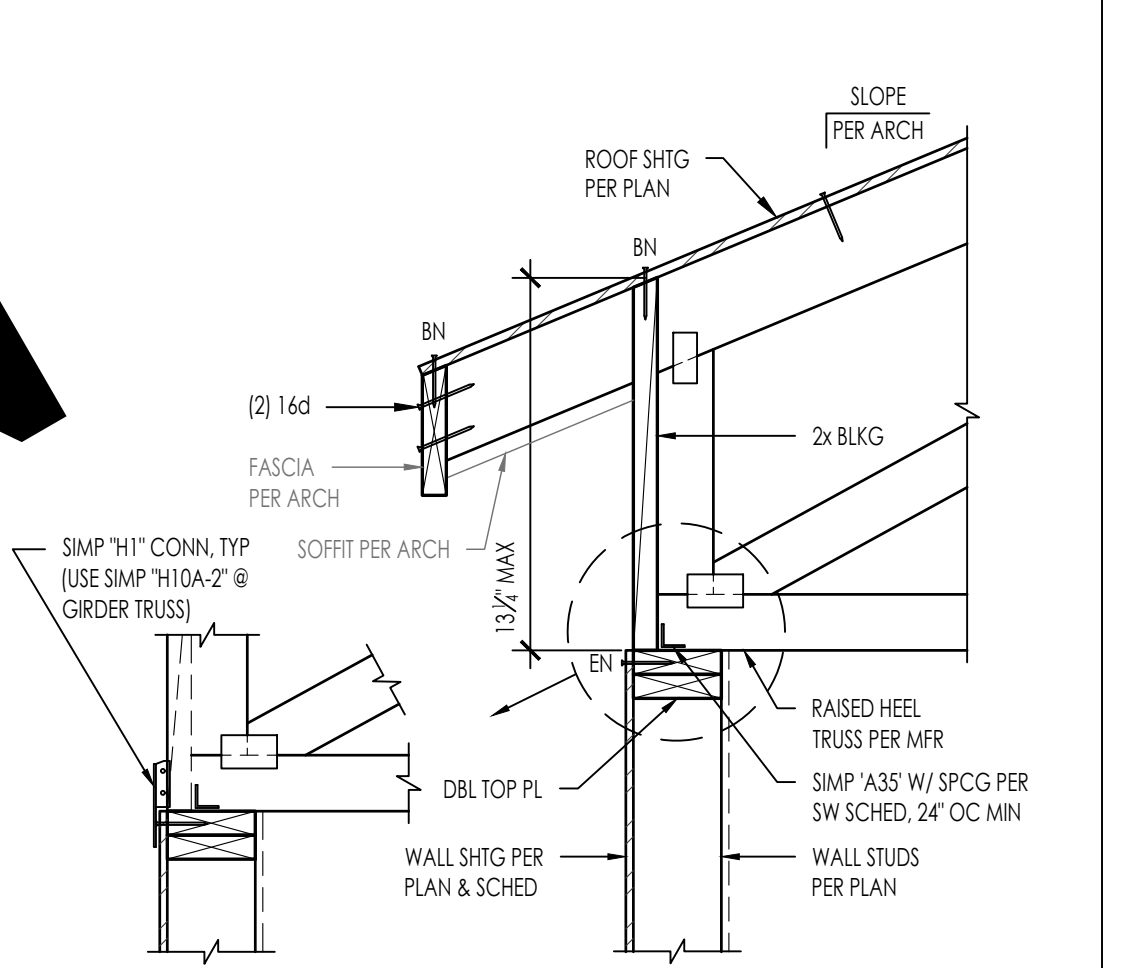
INTERIOR SHEAR WALL (ROOF TRUSS PARALLEL)
274201-C122-1401-01 1" = 1'-0" 42



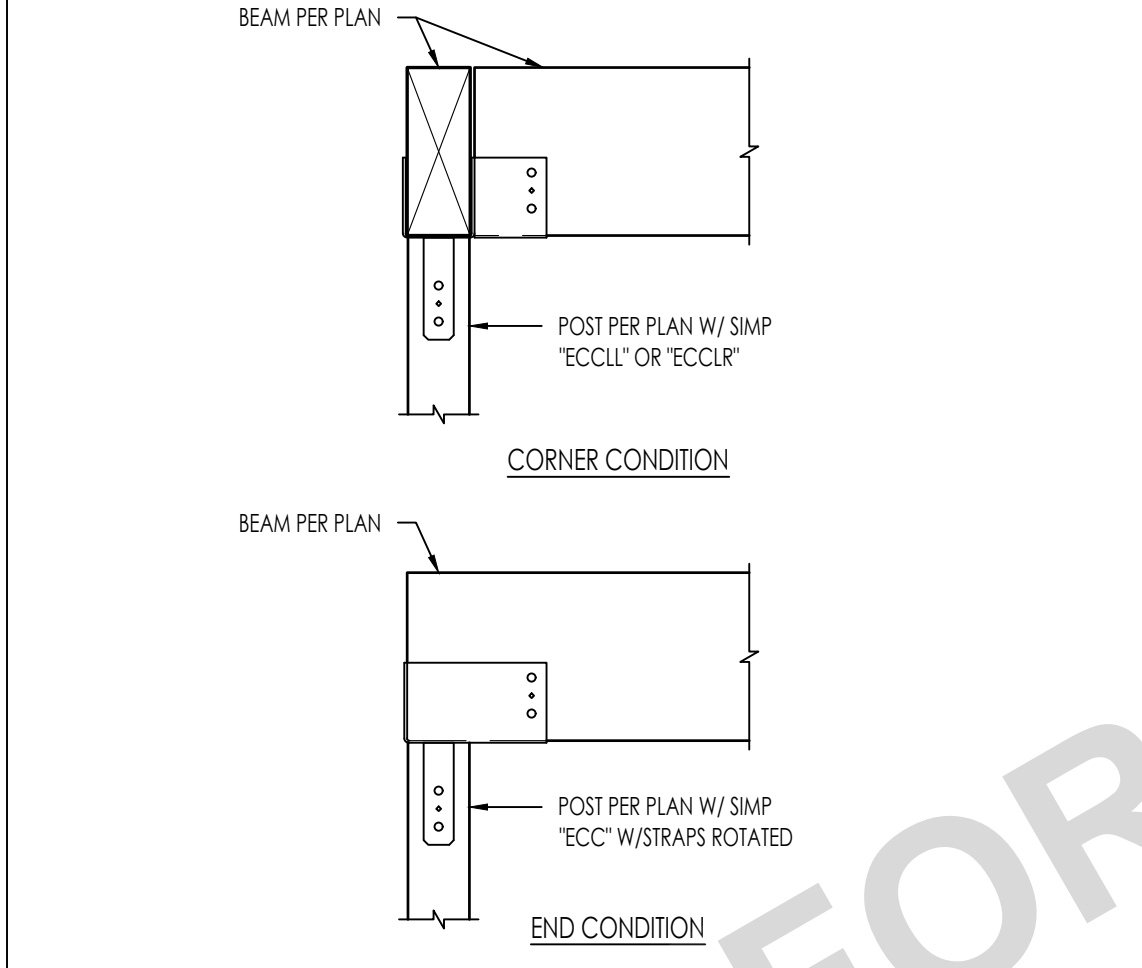
TRUSS TO GIRDER TRUSS
274201-C122-1401-01 1" = 1'-0" 32



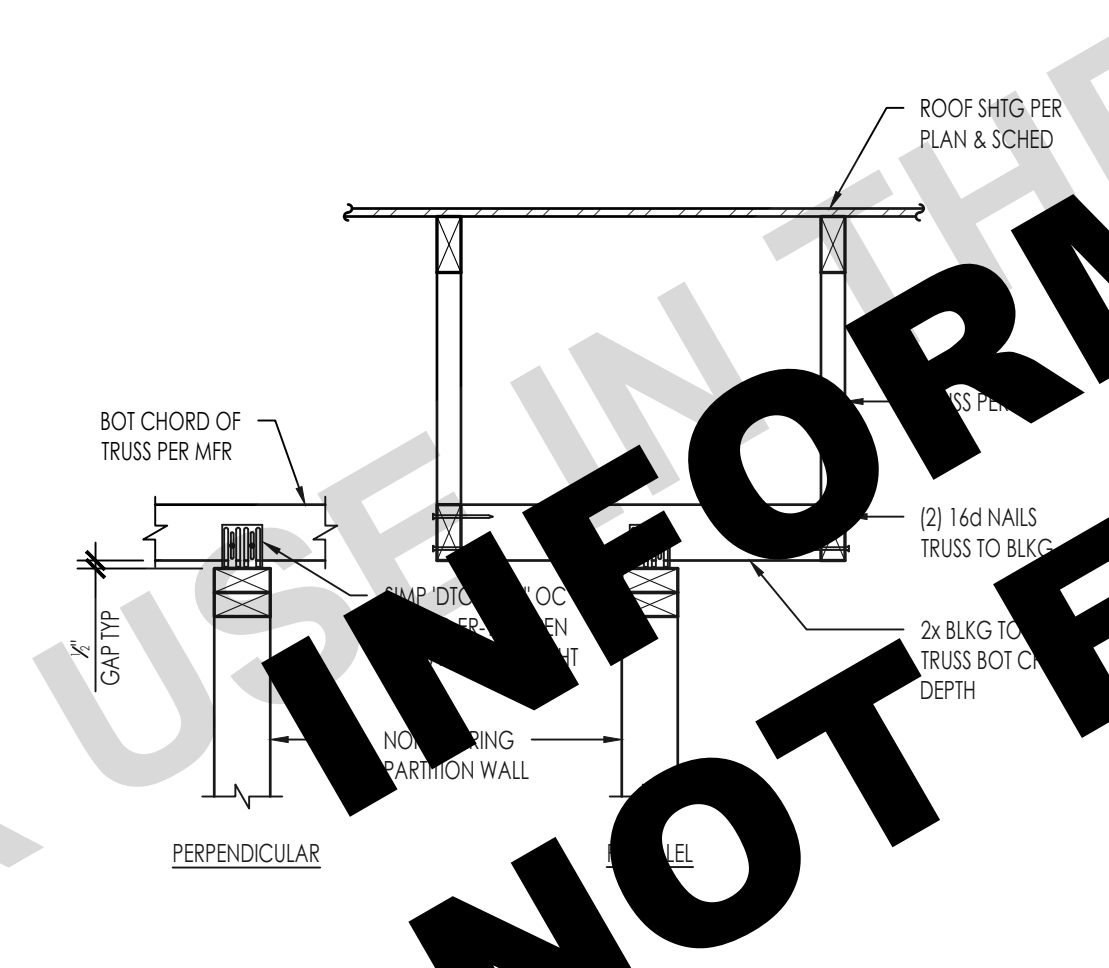
GABLE END TRUSS
274201-C122-1401-01 1" = 1'-0" 23



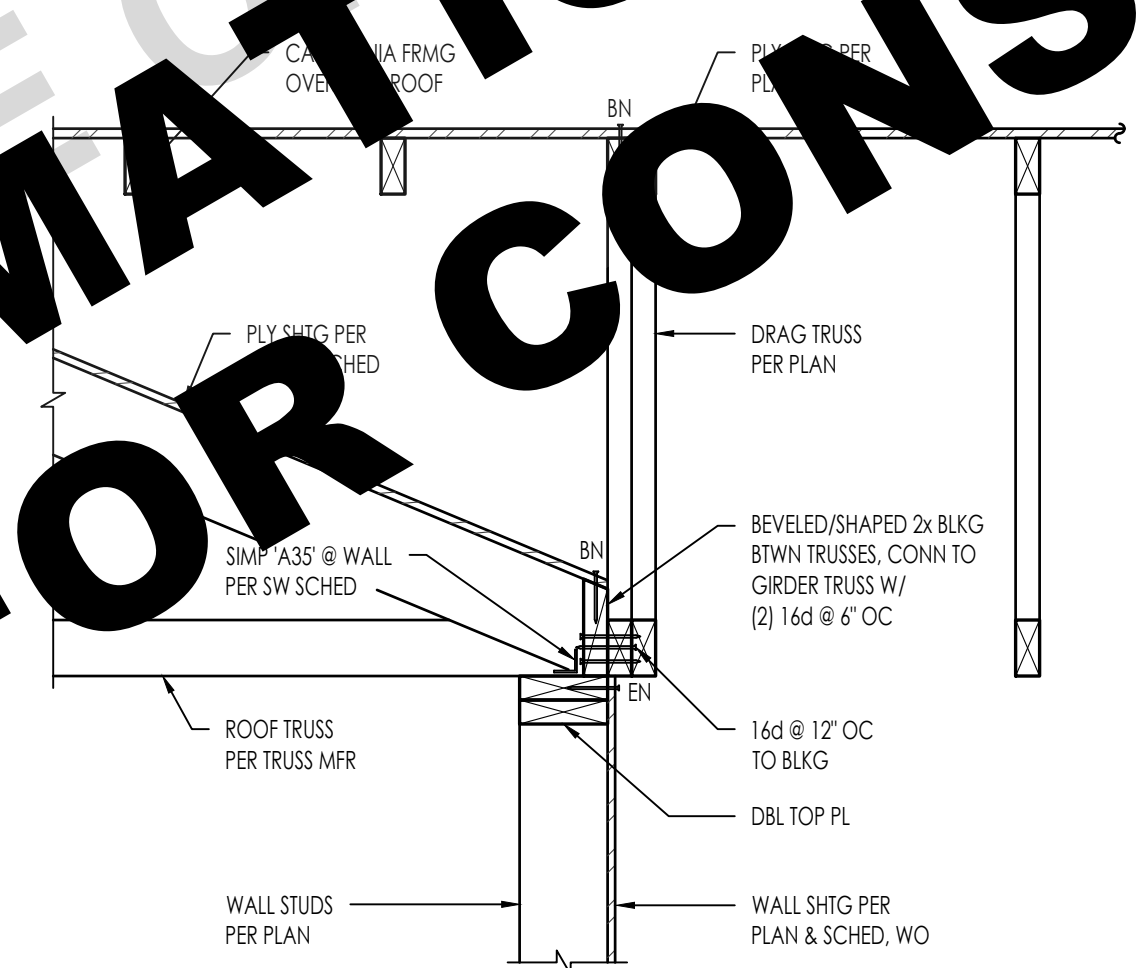
RAISED TRUSS HEEL (H ≤ 13 1/2')
274201-C122-1401-01 1" = 1'-0" 13



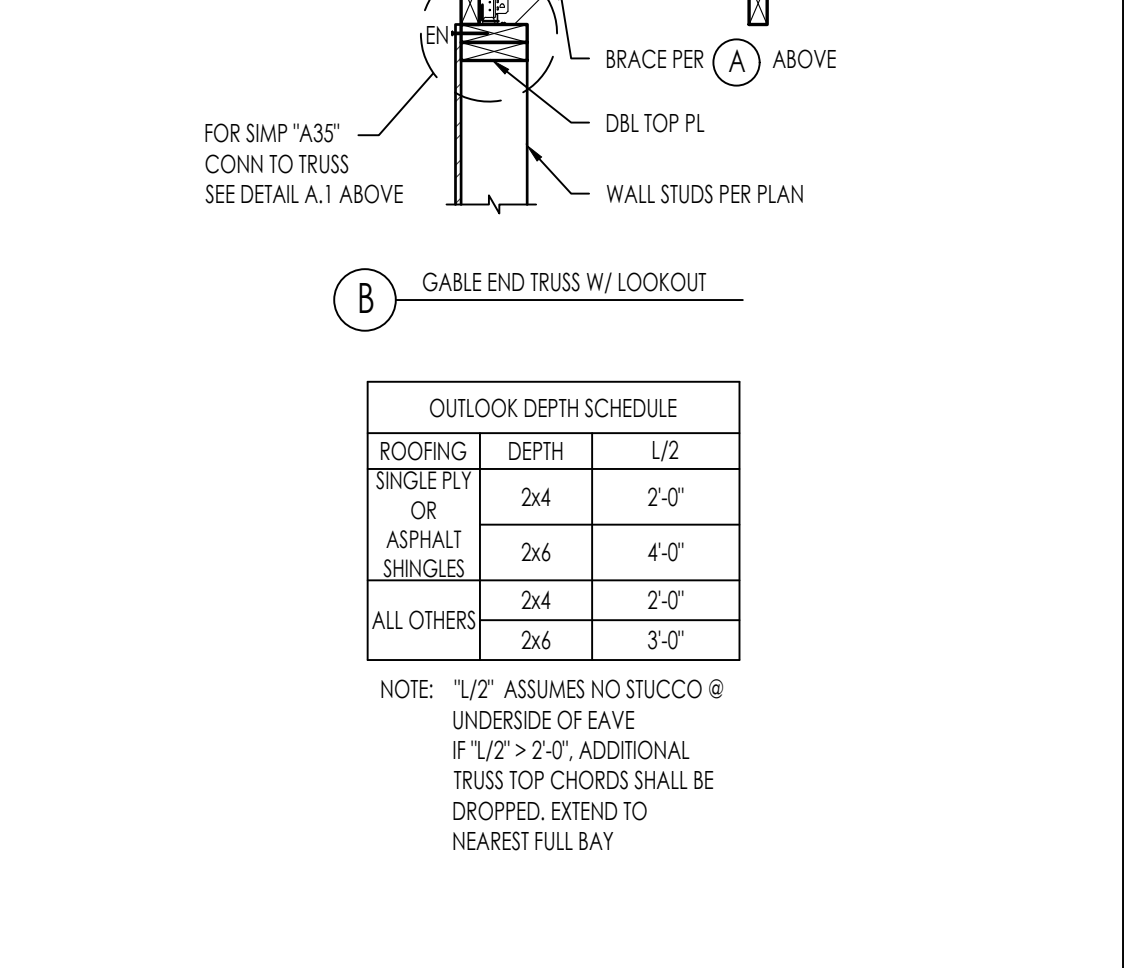
POST TO BEAM CONNECTION W/ BOLTS
274201-C122-1401-03 NTS or 3/4" = 1'-0" 53



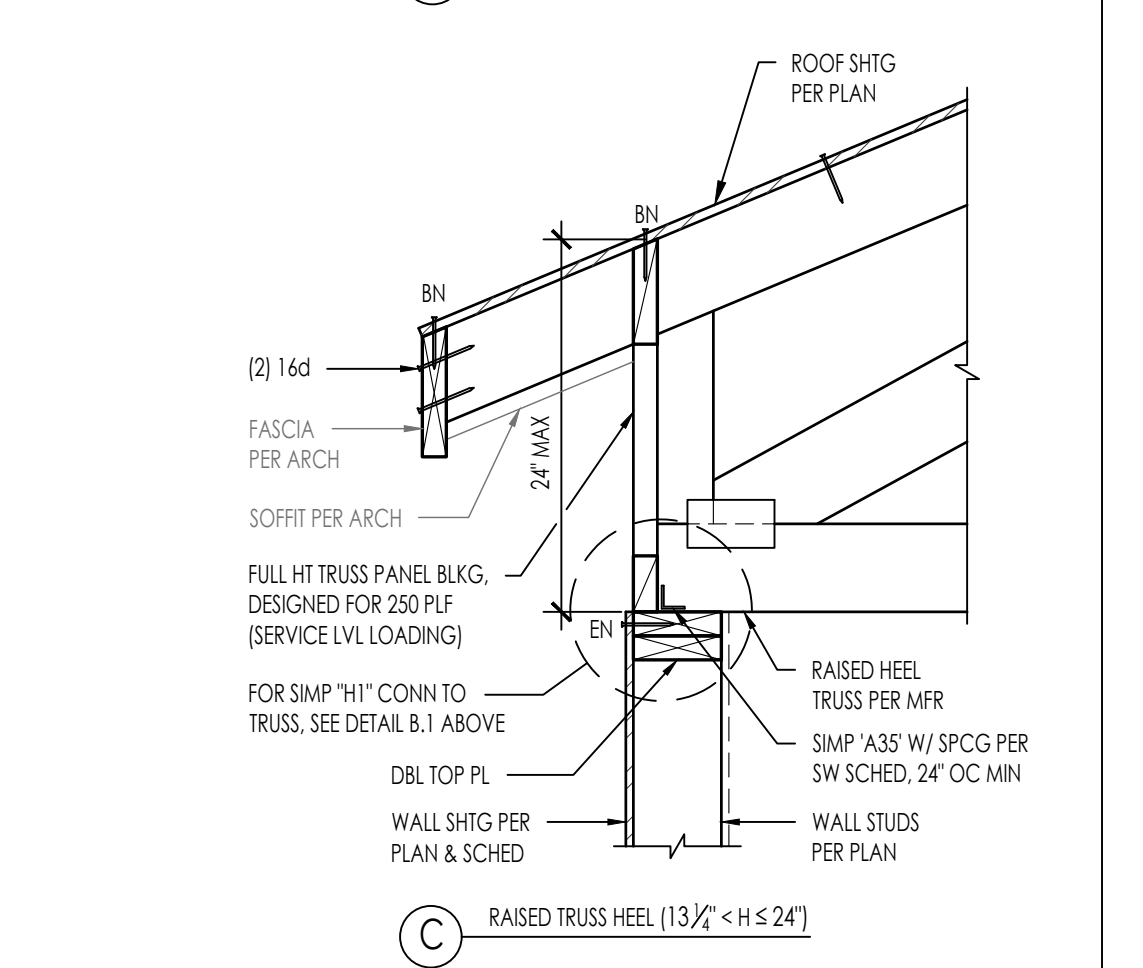
TRUSS OVER NON-BEARING PARTITION
274201-C122-1401-01 1" = 1'-0" 43



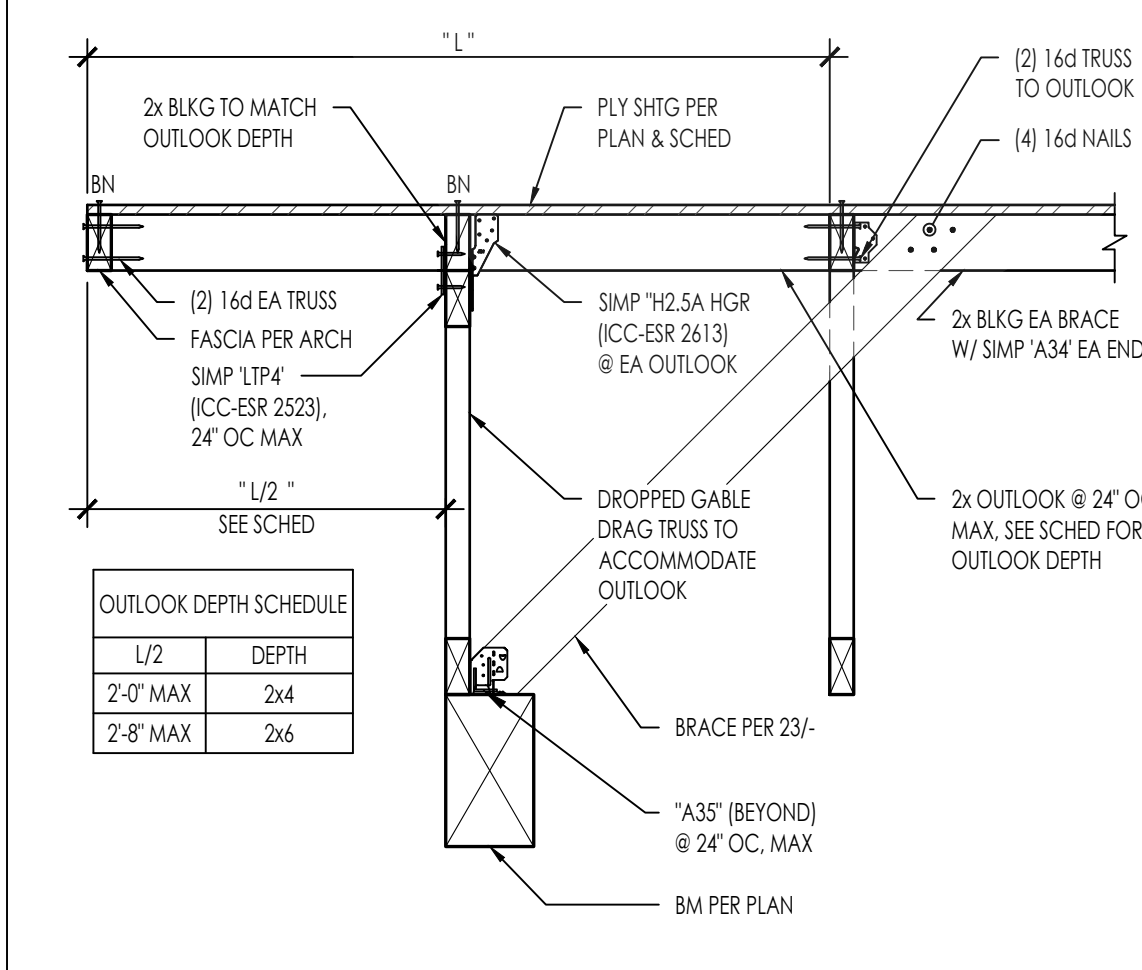
TRUSS TO GIRDER TRUSS W/ WALL BELOW
274201-C122-1401-01 1" = 1'-0" 33



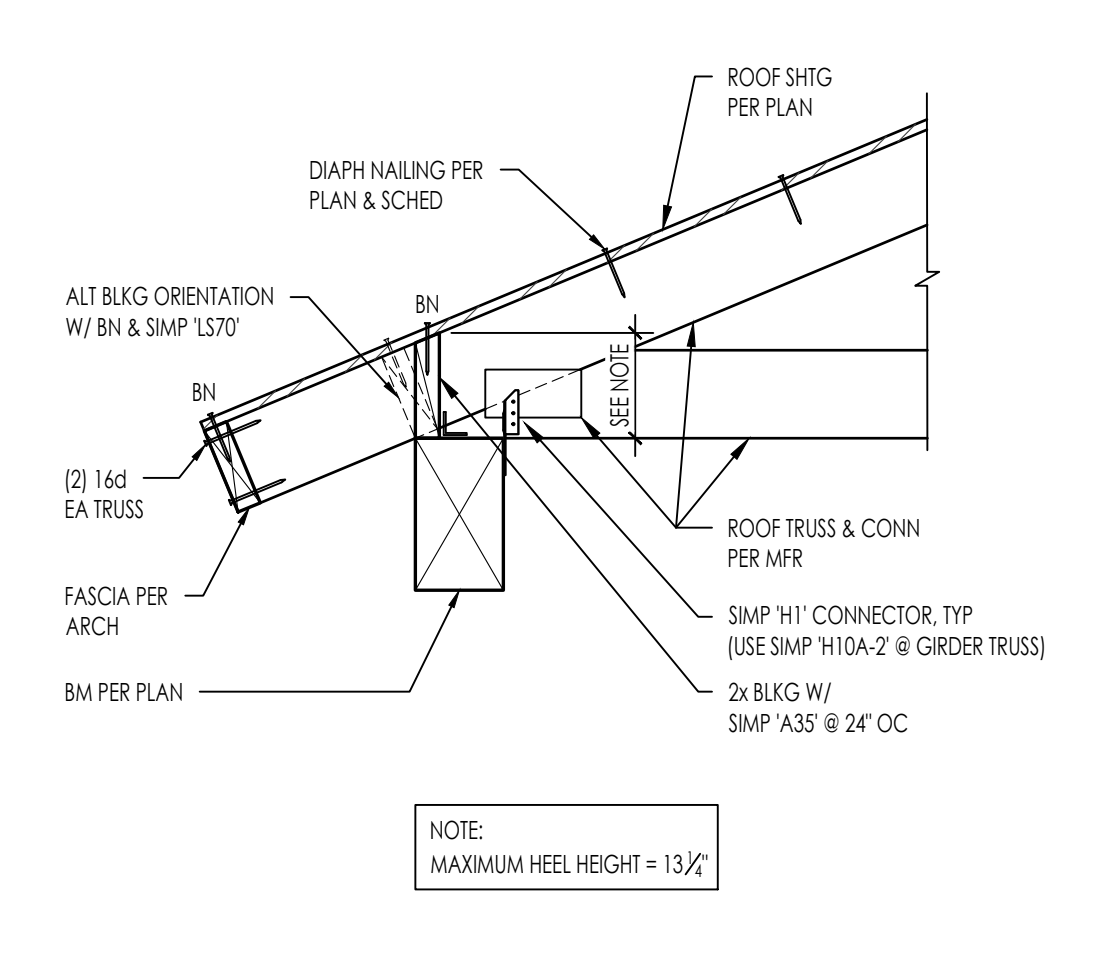
GABLE END TRUSS
274201-C122-1401-01 NTS 23



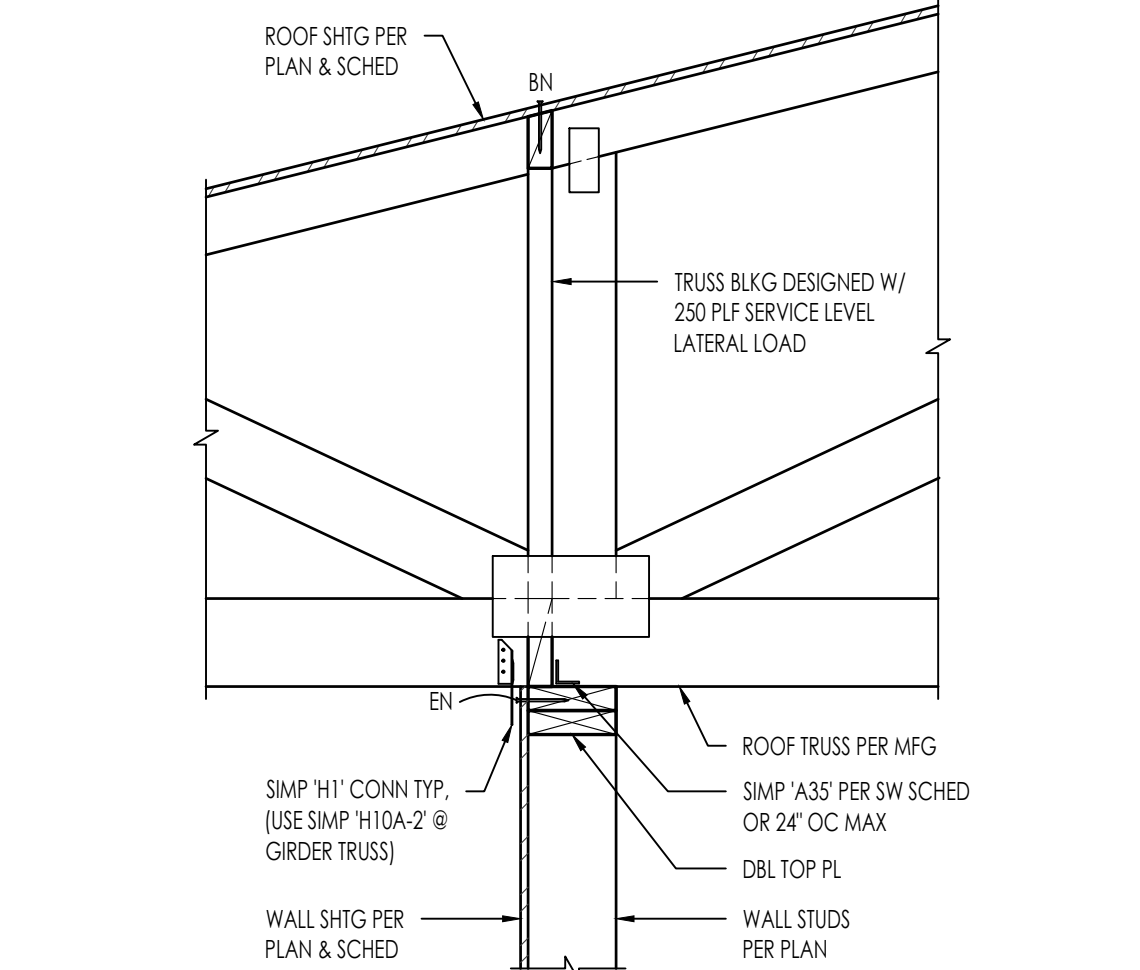
ROOF TRUSS PERP TO EXTERIOR WALL
274201-C122-1401-01 NTS 13



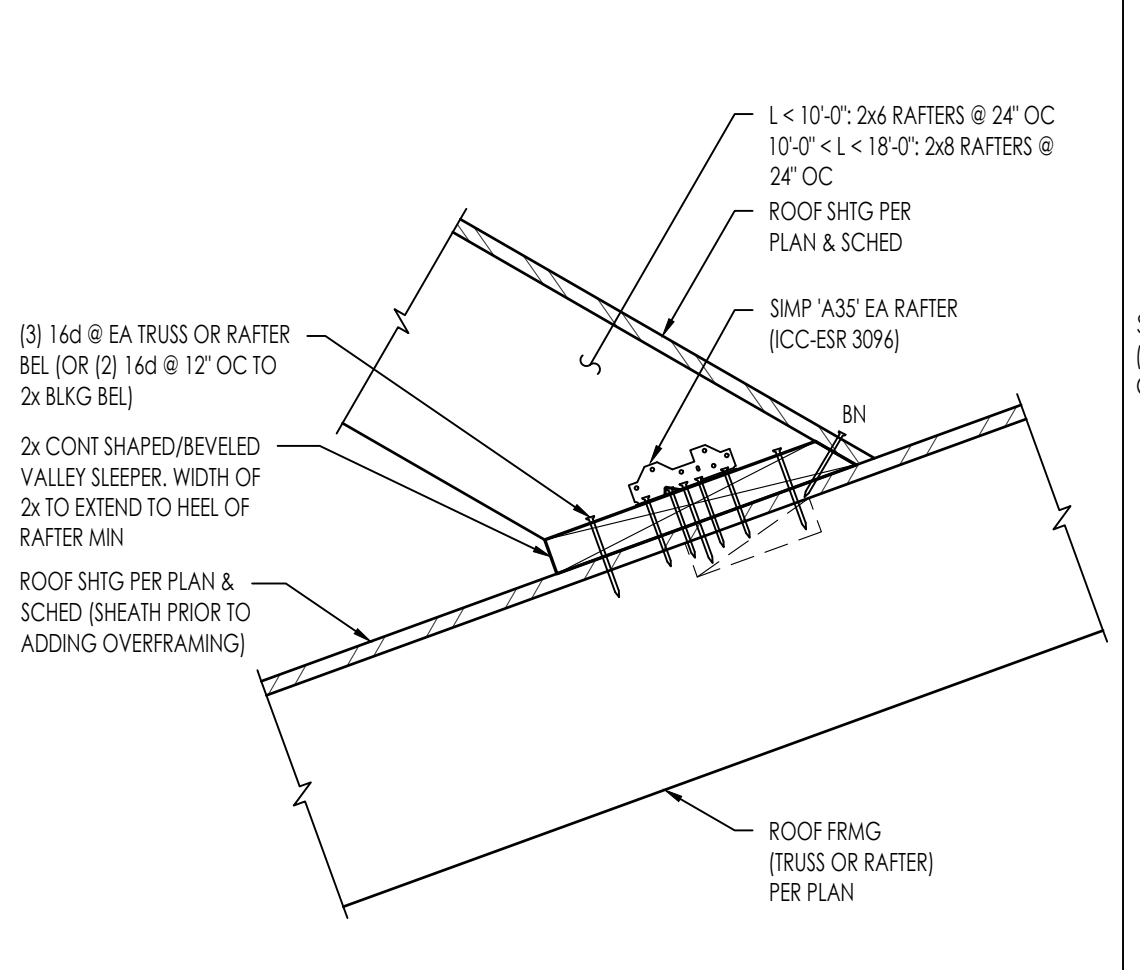
GABLE END TRUSS W/ LOOKOUT @ BEAM
274201-C122-1401-01 1" = 1'-0" 54



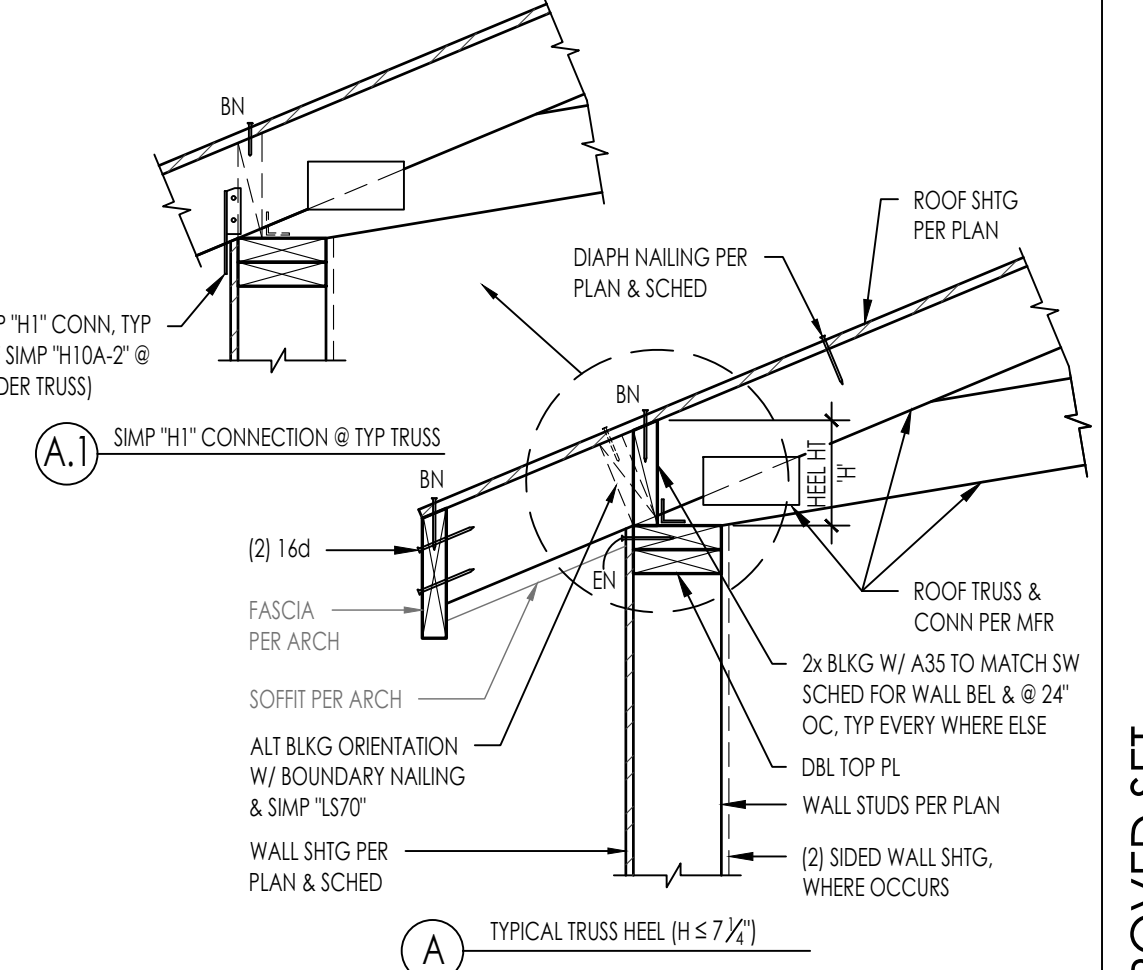
ROOF TRUSS PERP TO BEAM
274201-C122-1401-01 1" = 1'-0" 44



TRUSS INTERIOR BEARING WALL
274201-C122-1401-01 1" = 1'-0" 34



CALIFORNIA FRAMING SLEEPER
274201-C122-1401-01 NTS 24



ROOF TRUSS PERP TO EXTERIOR WALL
274201-C122-1401-01 NTS 14

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AGOURA HILLS | ADU
CITY OF AGOURA HILLS
ROOF FRAMING DETAILS

DATE
09/28/23
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APPROVED SET