GENREAL NOTES: DESIGN SPECIFICATIONS: CHEMICAL TOILET IS REQUIRED ON-SITE DURING CONSTRUCTION. OCCUPANCY TYPE: R3, U PROVIDE A 12" HIGH ADDRESS POSTING (6" IF WITHIN 50 FEET OF THE STREET) WITH SUITE NUMBER 4" HIGH WITH MINIMUM 1/2 " STROKE, MOUNTED ON A CONTRASTING CONSTRUCTION TYPE: VB SPRINKLERED BACKGROUND CLEARLY VISIBLE FROM THE STREET. IF THE PLANS DO NOT ACCURATELY REFLECT THE JOB GOVERNING CODE: 2022 CBC CONDITIONS OR THE CONSTRUCTION IS NOT PER PLANS, NO INSPECTIONS WILL OCCUR UNTIL AN ADDENDUM IS APPROVED BY THE CITY/COUNTY IS OBTAINED. SEISMIC DESIGN CATEGORY 4. ANY CHANGES FROM THE APPROVED PLANS DURING THE COURSE OF CONSTRUCTION SHALL CAUSE CONSTRUCTION TO BE SUSPENDED UNTIL SUCH TIME AS THE PLANS CAN BE AMENDED BY THE DESIGNER AND SUBMITTED TO THE DESIGN WIND LOAD: EXPOSURE "C" 110 MPH CITY/COUNTY FOR REVIEW AND APPROVAL. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALLOWABLE SOIL BEARING PRESSURE: THE VERIFICATION OF ALL DIMENSIONS, GRADES, AND ALL OTHER CONDITIONS AND CORRELATE AT THE JOBSITE AND REPORT ANY DISCREPANCIES TO THE DESIGNER FOR CLARIFICATION PRIOR TO COMMENCING ANY WORK. COMPRESSIVE STRENGTH OF CONC. @ THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE WORK AND THE COORDINATION OF ALL TRADES AND GOVERNING AGENCIES. IVE LOADS: THE DESIGNER ASSUMES NO RESPONSIBILITY FOR THE SUPERVISION OF THE WORK AND/OR POSSIBLE ERRORS OR OMISSIONS SHOWN OR INFERRED ON THE DRAWINGS OR THE 20.0 PSF PROPER EXECUTION OF THE SAME. COMPLIES WITH 2022 CBC, CMC, CPC, CEC, CFC, CA ENERGY, AND CAL-GREEN BUILDING STANDARD CODES AS FLOOR: 40.0 PSF WELL AS NFPA 2022. 9. THE QUANTITIES OF HAZARDOUS MATERIALS SHALL NOT DEAD LOADS: EXCEED THE ALLOWABLE 1000 LBS. FOR FLAMMABLE MATERIALS AND 100 GALLONS OF COMBUSTIBLE LIQUIDS. 10. JOB CARD REQUIRED TO BE AVAILABLE FOR SIGNATURE ROOF: (T-BAR CEILING) AT JOBSITE. THESE PLANS AND RELATED DOCUMENTS MUST BE AVAILABLE AT THE JOBSITE DURING ANY INSPECTION ROOF: (STUCCO CEILING) N/A 12. SUBMIT PLANS TO AND OBTAIN PERMIT FROM THE FIRE PREVENTION DIVISION FOR THE INSTALLATION OR 15.0 PSF MODIFICATION OF FIRE SPRINKLER SYSTEM. 13. THIS PERMIT DOES NOT INCLUDE ANY HIGH-PILE STORAGE (PER CFC) OR RACK STORAGE OVER 8 FEET IN HEIGHT. **VICINITY MAP** ANY SUCH PROPOSED STORAGE REQUIRES SUBMITTAL OF PLANS AND APPLICATION FOR PERMIT(S) PER 2022 CFC, CHAPTER 23. 14. IF CONCRETE STRENGTH IS MORE THAN 2500 PSI, A SPECIAL INSPECTION IS REQUIRED BY THE GEO-TECHNICAL ENGINEER FOR COMPLIANCE WITH THE GEO-TECHNICAL REPORT. THE INSPECTION REPORT SHALL BE SUBMITTED TO AND APPROVED BY THE CITY/COUNTER BUILDING DEPARTMENT PRIOR TO THE FOUNDATION INSPECTION. 15. ANY YARDS USED FOR ALLOWABLE AREA INCREASE SHALL BE PERMANENTLY MAINTAINED. 16. PROVIDE 2 % SLOPE AWAY FROM BUILDING FOR A MIN. OF PROJECT LOCATION RESIDENTIAL SPRINKLERS TO BE INSTALLED IN BOTH APN: 712-27-012 DWELLINGS AND SHALL BE A DEFERRED SUBMITTAL. 18. THIS PROJECT SHALL COMPLY TO THE FOLLOWING:

18.1. 2022 CALIFORNIA RESIDENTIAL CODE AND/OR 2022

18.2. 2022 CALIFORNIA GREEN BUILDING STANDARD CODE

18.6. 2022 CALIFORNIA BUILDING ENERGY EFFICIENCY

CALIFORNIA BUILDING CODE.

18.4. 2022 CALIFORNIA PLUMBING CODE

18.5. 2022 CALIFORNIA FIRE CODE

18.7. 2022 CALIFORNIA GREEN CODE.

STANDARDS.

18.3. 2022 CALIFORNIA ELECTRICAL CODE

LATITUDE	37.181904	37.181904		
LONGITUDE	-121.708893	-121.708893		
SEISMIC ITEAM	VALUE	2022 CBC REFERENCE		
SITE CLASS	D	TABLE 1613.5.2		
SOILS BEARING CAPACITY	2000 PSF	APPENDIX 106.1 \$ TABLE 1804		
SEISMIC IMPORTANCE FACTOR	1.0	CBC 1603.1.5.1		
SITE COEFFICENT, Fa	1.0	TABLE (613.3.3 (1)		
Ss	1.5	FIGURE 1613.3 (1)		
Sms	1.5	SECTION 1613.3.3 EQN. 16-37		
Sds	1.0	TABLE 1613.3.5 (1)		
SITE COEFFICENT, FV		TABLE 1613.3.3 (2)		
SI	0.600	TABLE 1613.3.1 (2)		
Sml	0.902	SECTION 1613.3 EQN. 16-38		
Sdl	0.600	TABLE 1613.3.5 (2)		

-NATIVE SOIL

-A.C. PAVING

-CONCRETE

DESCRIPTION

-LANDSCAPE

-ENGINEERED

					•				·		
GROUND	MIND	DESIGN	SEISMIC	SUBJECT TO DAMAGE FROM		WINTER	ICE BARRIER		AIR	MEAN	
SNOW LOAD	SPEED (MPH)	TOPOGRAPHIC EFFECTS		MEATHERING	FROSTLINE DEPTH	TERMITE	DESIGN TEMP.	UNDERLAYMENT REQUIRED	FLOOD HAZARDS	FREEZING INDEX	ANNUAL TEMP.
0	110	C	D	-5000	12"	YES	25	NO	NONE	1500	48

LEGEND:

-MASONRY

-AGGREGATE

-WOOD BLOCK

-CONTINUOUS

REFERENCE SYMBOLS LEGEND:

ROOM NAME/NUMBER

MINDOM CALL OUT

DOOR CALL OUT

EQUIPMENT LABEL

DETAIL OUT REFERENCE

SECTION CUT REFERENCE

ELEVATION (SECTIONS & PLANS)

FOOTING & COLUMN SCHEDULE ITEM

WOOD MEMBER

SHEET DRAWN ON -

+HEIGHT

PERMANENT MONUMENTS/MONUMENT PRESERVATION:

IN ACCORDANCE WITH THE CALIFORNIA PROFESSIONAL LAND SURVEYOR'S ACT (BUSINESS AND PROFESSIONS CODE) CHAPTER 15 SECTIONS 8771 AND 8725.1, CALIFORNIA PENAL CODE 605, AND CALIFORNIA GOVERNMENT CODE 27581, THE OWNER, CONTRACTOR, AND/OR ANY PERSON PERFORMING CONSTRUCTION ACTIVITIES THAT WILL OR MAY DISTURB AN EXISTING ROADWAY/STREET MONUMENT, CORNER STAKE, OR ANY OTHER PERMANENT SURVEYED MONUMENT AND/OR AS SHOWN THE PLAN SHEET SHALL ENSURE THAT A CORNER RECORD AND/OR RECORD OF SURVEY ARE FILED WITH THE COUNTY SURVEYOR OFFICE PRIOR TO DISTURBING SAID MONUMENTS. ALL DISTURBED OR DESTROYED MONUMENTS SHALL BE RESET AND FILED IN COMPLIANCE WITH SECTION 8771.

UTILITIES CLARIFCATION NOTE:

NO NEW REPLACEMENT AND/OR UTILITY UPGRADES ARE REQUIRED / ANTICIPATED. IF DURING CONSTRUCTION IT IS DISCOVERED THAT NEW, REPLACEMENT AND/OR UTILITY UPGRADES ARE REQUIRED, THEN THE OWNER, OWNER'S CONTRACTOR AND/OR THE SPECIFIC UTILITY COMPANY SHALL APPLY AND OBTAIN A SEPARATE ENCROACHMENT PERMIT FOR SAID WORK WITHIN THE LIMITS OF THE ROW FROM ROADS AND AIRPORTS.

IMPROVEMENT PLAN CONSTRUCTION NOTES:

- ALL WORK IN THE COUNTY ROAD RIGHT OF WAY REQUIRES AN ENCROACHMENT PERMIT FROM THE ROADS AND AIRPORTS DEPARTMENT. EACH INDIVIDUAL ACTIVITY REQUIRES A SEPARATE PERMIT -- IE. RETAINING WALL, DRIVEWAY APPROACHES, TEMPORARY CONSTRUCTION ENTRANCES, FENCES, LANDSCAPING, TREE REMOVAL, STORM DRAINAGE IMPROVEMENTS, ALL UTILITY OPERATIONS (RELOCATIONS, REPLACEMENTS, ABANDONMENTS, TEMPORARY FACILITIES, AND/OR NEW FACILITIES FOR CABLE, ELECTRIC, GAS, SEWER, WATER), ETC.
- . ROADWAYS DESIGNATED AS NOT COUNTY MAINTAINED ROADS AS SHOWN UPON THIS PLAN, WILL NOT BE ELIGIBLE FOR COUNTY MAINTENANCE UNTIL ROADWAYS ARE IMPROVED (AT NO COST TO THE COUNTY) TO PUBLIC MAINTENANCE ROAD STANDARDS APPROVED BY THE BOARD OF SUPERVISORS AND IN EFFECT AT SUCH TIME THAT THE ROADWAYS ARE CONSIDERED FOR ACCEPTANCE INTO THE COUNTY'S ROAD SYSTEM.

ALO ----- SITE AND PROJECT DATA, VICINITY MAP

A3.0 ----- PROPOSED FLOOR PLAN - FIRST FLOOR

A4.0 ----- ROOF DRAINAGE PLAN - FIRST FLOOR A4.I ----- ROOF DRAINAGE PLAN - SECOND FLOOR

A6.2 ----- GUEST HOUSE ROOF DRAINAGE PLAN A6.3 ----- GUEST HOUSE CROSS SECTIONS

----- TRIM, HEADER, & JAMB DETAILS ----- STAIR AND CHIMNEY DETAILS ----- ARCH AND SOFFIT DETAILS

----- TILE ROOFING SPECIFICATIONS

SPECIFICATIONS

CGI _____ CAL-GREEN MANDATORY REQUIREMENTS

CG2 _____ CAL-GREEN MANDATORY REQUIREMENTS

52.2 ----- FOUNDATION PLAN - GUEST HOUSE ----- SECOND FLOOR FRAMING PLAN

S3.3 ----- ROOF FRAMING PLAN - GUEST HOUSE

----- SCHEDULES, NOTES, AND DETAILS

E3.0 ----- GUEST HOUSE POWER AND LIGHTING PLANS

PO ----- PLUMBING NOTES, SCHEDULES, AND DETAILS

24-1 ----- TITLE 24 ENERGY DOCUMENTATION - MAIN HOUSE T24-2 ----- TITLE 24 ENERGY DOCUMENTATION - MAIN HOUSE

----- COUNTY EROSION CONTROL STANDARDS ----- COUNTY EROSION CONTROL STANDARDS

ELO ----- POWER PLAN - FIRST FLOOR

E2.I ----- LIGHT PLAN - SECOND FLOOR

PI.O ----- WASTE PLAN - FIRST FLOOR

PI.I ----- WASTE PLAN - SECOND FLOOR

P2.I ----- WATER PLAN - SECOND FLOOR P3.0 ----- GAS PLAN - FIRST FLOOR P3.I ----- GAS PLAN - SECOND FLOOR

P2.0 ----- WATER PLAN - FIRST FLOOR

FIRE SPRINKLER PLANS

----- GRADING COVER SHEET

----- IMPROVEMENT PLAN ----- EROSION CONTROL PLAN

C9 ----- COUNTY STANDARD DETAIL(S) CIO ----- TRAFFIC CONTROL PLAN CII ----- TRAFFIC CONTROL PLAN

----- COUNTY STANDARD DETAIL(S)

MO.I ----- HVAC SCHEDULES MI ----- HVAC FIRST FLOOR M2 ----- HVAC SECOND FLOOR

M3 ----- HVAC DETAILS

TITLE 24 ENERGY DOCUMENTATION:

GRADING AND ENCROACHMENT PLANS:

C2 ----- DRAINAGE PLAN

----- GRADING PLAN

FIRE SPRINKLER PLANS:

E2.0 ----- LIGHT PLAN - FIRST FLOOR

ELL ------ POWER PLAN - SECOND FLOOR

53.2 ----- HIGH ROOF FRAMING PLAN

S5.I ----- FOUNDATION DETAILS S5.2 ----- FOUNDATION DETAILS

S6.I ----- FRAMING DETAILS

S6.2 ----- FRAMING DETAILS

S6.3 ----- FRAMING DETAILS S6.4 ----- FRAMING DETAILS S7.I ----- TRUSS DETAILS

----- HARDIE-BECKER DECKING SPECIFICATIONS ----- RESIDENTIAL HOOD INSTALLATION MANUAL \$

A6.I ----- GUEST HOUSE FLOOR PLAN AND SCHEDULES

----- COVED BASE, OPENING FLASHING, AND EXT. DETAILS

----- PROPOSED FLOOR PLAN - SECOND FLOOR

A2.0 ----- FRONT AND REAR ELEVATIONS

A3.2 ----- DOOR AND WINDOW SCHEDULES

A2.I ----- LEFT AND RIGHT SIDE ELEVATIONS

SHEET INDEX:

CAL GREEN:

STRUCTURAL:

ELECTRICAL:

MECHANICAL:

AI.I ----- SITE PLAN

A3.3 ----- ROOM SCHEDULES

A5.0 ----- CROSS SECTIONS A5.I ----- CROSS SECTIONS

SI.I ----- STANDARD NOTES

SI.3 ----- STANDARD NOTES SI.4 ----- STANDARD NOTES SI.5 ----- STAIR DETAILS S2.I ----- FOUNDATION PLAN

S4.I ----- SECTIONS

S4.2 ----- SECTIONS

SI.2 ----- STANDARD NOTES

A6.0 ----- GUEST HOUSE ELEVATIONS

			
A.B.	ANCHOR BOLT	HDR.	HEADER
ADJ.	ADJUSTABLE	HT.	HEIGHT
ABV.	ABOVE	HORIZ.	HORIZONTAL
A.C.I.	AMERICAN	HSB	HIGH STRENGTH BOLT
	CONCRETE INSTITUTE	H.S.	HIGH SIDE
A.I.S.C.	AMERICAN INSTITUTE	11.5. IN.	INCH
A.1.5.C.			
	OF STEEL	I.D.	INSIDE DIAMETER
	CONSTRUCTION	INT.	INTERIOR
A.S.T.M	AMERICAN SOCIETY	JST.	JOIST
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	FOR TESTING \$	K OR KIPS	
			LAMINATED
	MATERIALS	LAM.	
A.P.A.	AMERICAN PLYWOOD	LB OR LBS	POUNDS
	ASSOCIATION	L.S. LT. WT.	LOW SIDE
ARCH.	ARCHITECT(URAL)	LT. MT.	LIGHT WEIGHT
AWS	AMERICAN WELDING	LLV	LONG LEG VERTICAL
7/15		M.B	MACHINE BOLT
	SOCIETY		
BD.	BOARD	MAS.	
BF.	BRACED FRAME	MAX.	MAXIMUM
BLK.		MF.	MOMENT FRAME
	BLOCKING	MTL.	METAL
		MIN.	MINIMUM
BOT.	BOTTOM		
BLDG.	BUILDING	N.T.S.	NOT TO SCALE
BM.	BEAM	NO OR #	
B.N	BOUNDARY NAILING	O.C.	ON CENTER
C	CHANNEL	OPNG.	
CLG.		OPP.	
	CEILING		
CLR.		0.A.	OUTSIDE DIA.
COL.	COLUMN	PL	PLATE
C.M.U.	CONCRETE MASONRY	PENNY (d)	NAILS
	UNIT	PLYMD.	PLYMOOD
C.J.	CONSTRUCTION JOINT	P.S.F.	POUNDS PER SQUARE
C.J. CONC.		٠ .٠.١ .	
	CONCRETE	l	FOOT
	CONNECTION	P.S.I.	POUNDS PER SQUARE
CONST.	CONSTRUCTION		INCH
CONT.	CONTINUOUS	PRESS.	PRESSURE
	DOUBLE ANGLE	R.	RADIUS
DEMO.	DEMOLIGH		REINFORCING
	DEMOLISH		
DET.	DETAIL	REQD.	REQUIRED
DIAG.	DIAGONAL	RM.	ROOM
DIA.(Φ)	DIAMETER	SCHED.	SCHEDULE
DIM.	DIMENSION	SHTG.	SHEATHING
DBL.	DOUBLE	SHT.	
		SIM.	
DMG.	DRAWING		
EA.	EACH	SLV	SHORT LEG VERTICAL
E.N.	EDGE NAILING	SPEC.	SPECIFICATION
ELEV.	ELEVATION	STGR.	STAGGER
EOR	ENGINEER OF RECORD	STD.	STANDARD
ENG.	ENGINEER	STL.	STEEL
EQ.	EQUAL	STIFF.	
EQUIP.	EQUIPMENT	STRUCT.	
ES	EDGE SCREW OR	5Q.	SQUARE
	EACH SIDE	SYM.	SYMMETRICAL
EXIST (E)		TF	TOP FLANGE
EXP.	EXPANSION	THK.	THICK
		TS	TUBE STEEL
FIN.	FINISH		
F.N.	FIELD NAILING	U.B.C.	UNIFORM BUILDING
FM	FACE MOUNT	Ī	CODE
FLR.	FLOOR	U.N.O.	UNLESS NOTED
FTF	FLOOR TO FLOOR	Ī	OTHERWISE
FTG.	FOOTING	VERT.	VERTICAL
		W.	WIDTH
FDN.	FOUNDATION		
FRMG.	FRAMING	MT.	WEIGHT
GA.	GAUGE	M.M.F.	MELDED WIRE FABRIC
GALV.	GALVANIZED	M.M.M.	MELDED WIRE MESH
GF	GOOD FOR	M.F.	WIDE FLANGE
		M/	WITH
G.L.B.	GLUE LAM BEAM	•	
GRD	GRADE	MS	WOOD SCREW
H.D.	HOLDOWN	I	
HGR.	HANGER		
		I	
		I	
		_	

A.B.	ANCHOR BOLT	HDR.	HEADER
ADJ.	ADJUSTABLE	HT.	HEIGHT
ABV. A.C.I.	ABOVE AMERICAN	HORIZ. HSB	HORIZONTAL HIGH STRENGTH BOLT
A.C.1.	CONCRETE INSTITUTE	H.S.	HIGH SIDE
A.I.S.C.	AMERICAN INSTITUTE	IN.	INCH
A.I.J.U.	OF STEEL	I.D.	INSIDE DIAMETER
	CONSTRUCTION	INT.	INTERIOR
A.S.T.M	AMERICAN SOCIETY	JST.	JOIST
	FOR TESTING \$	K OR KIPS	
	MATERIALS	LAM.	LAMINATED
A.P.A.	AMERICAN PLYWOOD	LB OR LBS	
	ASSOCIATION	L.S.	LOW SIDE
ARCH.	ARCHITECT(URAL)	LT. MT.	LIGHT WEIGHT
AMS	AMERICAN WELDING	LLV M.B	LONG LEG VERTICAL MACHINE BOLT
BD.	SOCIETY	MAS.	MASONRY
BF.	BOARD BRACED FRAME	MAX.	MAXIMUM
BLK.	BLOCK	MF.	MOMENT FRAME
BLKG.	BLOCKING	MTL.	METAL
ВОТ.	ВОТТОМ	MIN.	MINIMUM
BLDG.	BUILDING	N.T.S.	NOT TO SCALE
BM.	BEAM	NO OR #	
B.N	BOUNDARY NAILING	O.C. OPNG.	ON CENTER
	CHANNEL	OPNG. OPP.	OPENING OPPOSITE
CLG. CLR.	CEILING CLEAR	0.A.	OPPOSITE OUTSIDE DIA.
COL.	COLUMN	PL	PLATE
C.M.U.	CONCRETE MASONRY	PENNY (d)	
	UNIT	PLYMD.	PLYWOOD
C.J.	CONSTRUCTION JOINT	P.S.F.	POUNDS PER SQUARE
CONC.	CONCRETE		FOOT
CONN.	CONNECTION	P.S.I.	POUNDS PER SQUARE
CONST.	CONSTRUCTION	5556	INCH
CONT. DA	CONTINUOUS DOUBLE ANGLE	PRESS. R.	PRESSURE RADIUS
DEMO.	DEMOLISH	REINF.	REINFORCING
DET.	DETAIL	REQD.	REQUIRED
DIAG.	DIAGONAL	RM.	ROOM
DΙΑ.(Φ)	DIAMETER	SCHED.	SCHEDULE
DIM.	DIMENSION	SHTG.	SHEATHING
DBL.	DOUBLE	SHT.	SHEET
DMG.	DRAWING	SIM.	SIMILAR
EA.	EACH	SLV	SHORT LEG VERTICAL
E.N. ELEV.	EDGE NAILING ELEVATION	SPEC. STGR.	SPECIFICATION STAGGER
EOR	ENGINEER OF RECORD	STD.	STANDARD
ENG.	ENGINEER	STL.	STEEL
EQ.	EQUAL	STIFF.	STIFFENER
EQUIP.	EQUIPMENT	STRUCT.	STRUCTURAL
ES	EDGE SCREW OR	SQ.	SQUARE
	EACH SIDE	SYM.	SYMMETRICAL
EXIST (E)	EXISTING	TF THK.	TOP FLANGE THICK
EXP. FIN.	EXPANSION FINISH	TS	TUBE STEEL
F.N.	FIELD NAILING	Ü.B.C.	UNIFORM BUILDING
FM.	FACE MOUNT		CODE
FLR.	FL <i>OO</i> R	U.N.O.	UNLESS NOTED
FTF	FLOOR TO FLOOR	,	OTHERWISE
FTG.	FOOTING	VERT.	VERTICAL
FDN.	FOUNDATION	M.	MIDTH
FRMG.	FRAMING	MT. M.M.F.	MEIGHT MELDED WIRE FABRIC
GA. GAL√.	GAUGE GALVANIZED	M.M.H. M.M.M.	WELDED WIRE MESH
GALV. GF	GOOD FOR	M.F.	MIDE FLANGE
6.L.B.	GLUE LAM BEAM	W/	MITH
GRD	GRADE	MS	WOOD SCREW
H.D.	HOLDOWN		ı
HGR.	HANGER		ı
			ı



ABBREVIA	TIONS:		Ow
BOLT BLE N E INSTITUTE N INSTITUTE		HEADER HEIGHT HORIZONTAL HIGH STRENGTH BOLT HIGH SIDE INCH	GURI 266° SAN PHON
TION SOCIETY ING # S PLYWOOD		INSIDE DIAMETER INTERIOR JOIST IOOO Ibs. LAMINATED	ENO RICA CENT
TON T(URAL) N MELDING	L.S.	LOW SIDE LIGHT WEIGHT LONG LEG VERTICAL MACHINE BOLT MASONRY MAXIMUM	SURV 2132 SELM PHON EMAI
FRAME	MTL. MIN.	MOMENT FRAME METAL MINIMUM	ME
Y NAILING	N.T.S. NO OR # O.C. OPNG. OPP. O.A. PL	NOT TO SCALE NUMBER ON CENTER OPENING OPPOSITE OUTSIDE DIA. PLATE	ALI N 2291: DIAN CON PHON EMAI
E MASONRY CTION JOINT	PENNY (d)		
E ON JON JS	P.S.I. PRESS.	FOOT POUNDS PER SQUARE INCH PRESSURE	BU
NGLE	R. REINF. REQD. RM.	RADIUS REINFORCING REQUIRED ROOM	70 M SAN CONT PHON
S. N	SCHED. SHTG. SHT. SIM.	SCHEDULE SHEATHING SHEET SIMILAR	SPE
LING N OF RECORD	SLV SPEC. STGR. STD. STL. STIFF.	SHORT LEG VERTICAL SPECIFICATION STAGGER STANDARD STEEL STIFFENER	CENT 824 VISA CONT PHON
T REW <i>O</i> R E	STRUCT. SQ. SYM. TF	STRUCTURAL SQUARE SYMMETRICAL TOP FLANGE	PR
N LING	THK. TS U.B.C.	THICK TUBE STEEL UNIFORM BUILDING	PROF
UNT D FLOOR	U.N.O.	CODE UNLESS NOTED OTHERWISE	APN. SITE
ON	VERT. M. MT.	VERTICAL WIDTH WEIGHT	ZONE
	IAI IAI 💳	MELDED MIDE EARDIC	ı 1———

	TIONS:		
BBREVIA	HONS:		1WO
_	HDR.	HEADER	GURDE
_T :	HT.	HEIGHT	2669
	HORIZ.	HORIZONTAL	SAN J
	HSB	HIGH STRENGTH BOLT	PHONE
INSTITUTE	H.S.	HIGH SIDE	
NSTITUTE	IN.	INCH	<u> </u>
NOTHIOTE.	1.D.	INSIDE DIAMETER	
ON .	INT.	INTERIOR	
OCIETY	JST.	JOIST	ENG
\$ &	K OR KIPS	1000 lbs	RICAR
,	LAM.	LAMINATED	CENTR
LYMOOD	LB OR LBS	— · · · · · · · — —	SURVE
LYMOOD N	L.S.	LOW SIDE	2132 H
RAL)		LIGHT WEIGHT	SELMA
ELDING	LLV	LONG LEG VERTICAL	PHONE
.2250	M.B	MACHINE BOLT	EMAIL:
	M.B MAS. MAX. MF.	MASONRY	
AME	MAX.	MAXIMUM	
" ' <u>-</u>	MF.	MOMENT FRAME	•
	MTL.	METAL	
	MIN.	MINIMUM	MEC
	N.T.S.	NOT TO SCALE	LIVILO
	NO OR #		ALI NE
IAILING	0.0.	ON CENTER	22914
, ,,,,,,,,	OPNG.	OPENING	DIAMO
	OPP.	OPPOSITE	CONTA
	0.A.	OUTSIDE DIA.	PHONE
	PL	PLATE	EMAIL
1ASONRY	PENNY (d)		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	PLYMD.	PLYWOOD	
THIOL HC	P.S.F.	POUNDS PER SQUARE	
		FOOT	DIIII
	P.S.I.	POUNDS PER SQUARE	BUIL
ON		INCH	SANTA
	PRESS.	PRESSURE	70 W H
·LE	R.	RADIUS	
	REINF.	REINFORCING	SAN JO
	REQD.	REQUIRED	PHONE
	RM.	ROOM	FHONE
	SCHED.	SCHEDULE	
	SHTG.	SHEATHING	
	SHT.	SHEET	SPE
	SIM.	SIMILAR	
	SLV	SHORT LEG VERTICAL	CENTR
G	SPEC.	SPECIFICATION	824 E
	STGR.	STAGGER	VISAL
RECORD	STD.	STANDARD	CONTA
	STL.	STEEL	PHONE
	STIFF.	STIFFENER	
	STRUCT.	STRUCTURAL	
N OR	SQ.	SQUARE	
	SYM.	SYMMETRICAL	I PRO
	TF	TOP FLANGE	
	THK.	THICK	PROPO
	TS	TUBE STEEL	
16	U.B.C.	UNIFORM BUILDING	APN.
	l	CODE	
	U.N.O.	UNLESS NOTED	
LOOR		OTHERWISE	SITE A
	VERT.	VERTICAL	
	M.	MIDTH	ZONE:

	OWNER DATA:
HEADER	GURDEEP DHADWAL AND RAJWANT
HEIGHT	2669 WESTBERRY DR.
HORIZONTAL	SAN JOSE, CA 95132
HIGH STRENGTH BOLT	PHONE: 1-408-859-4080
HIGH SIDE	
NCH	
NSIDE DIAMETER	
NTERIOR	ENCINEED OF DECORD.
JOIST	ENGINEER OF RECORD:
000 lbs.	RICARDO LEAL, P.E.
LAMINATED	CENTRAL VALLEY ENGINEERING AND
POUNDS	SURVEYING, INC.
LOW SIDE	2132 HIGH STREET
LIGHT MEIGHT	SELMA, CA 93662
LONG LEG VERTICAL	PHONE: 559-891-8811
MACHINE BOLT	EMAIL: rleal@cveas.com
MASONRY	LIMAIL: FIEDIWCVEDS.COM
MAXIMUM	
MOMENT FRAME	
METAL	
MINIMUM	MECHANICAL / ENERGY ENGINE
NOT TO SCALE	INICOTANICAL / ENERGY ENGINE
NUMBER	ALI NEHME, MECHANICAL ENGINEER
ON CENTER	22914 DRY CREEK ROAD
OPENING	DIAMOND BAR, CA 91765
OPPOSITE	CONTACT: ALEX
OUTSIDE DIA.	PHONE; 559-709-3298
PLATE	
NAILS	EMAIL: ali8863@gmail.com
PLYWOOD	
POUNDS PER SQUARE	
FOOT	DUIL DING DEDARTMENT
POUNDS PER SQUARE	BUILDING DEPARTMENT:
NCH SQUARE	
PRESSURE	SANTA CLARA COUNTY
RADIUS	70 W HEDDING ST.
REINFORCING	SAN JOSE, CA 95132
REQUIRED	CONTACT: BUILDING DEPARTMENT
ROOM	PHONE: 1-408-299-5700
SCHEDULE	
SHEATHING	
SHEET	SPECIAL INSPECTION TESTING:
SIMILAR	OI LOIAL INOI LOTTON TEOTING.
SHORT LEG VERTICAL	CENTRAL VALLEY TESTING
SPECIFICATION	824 EAST DOUGLAS AVENUE
STAGGER	VISALIA, CA 93262
STANDARD	CONTACT:
	PHONE; 559-732-3039
STEEL	331 102 3031
STRUCTURAL	
STRUCTURAL	
SQUARE	DDO IFOT DATA:
SYMMETRICAL	PROJECT DATA:

PROPOSED USE:	RESIDENCE	=
APN.	712-27-012	2
SITE ADDRESS:		NUE AND DOHERTY HILLS, CA 95037
ZONE:	A-20A	
OCCUPANCY:		
CUSTOM RESIDENCE	:	R-3
GARAGE:		U
PORCH / PATIO:		U
CONSTRUCTION TYPE:		
MAIN BUILDING		VB SPRINKLERED
FIRE SPRINKLER SYSTEM:		YES
FIRE ALARM SYSTEM:		NO
MAXIMUM OCCUPANT	LOAD	

ENGINEER

SITE DATA:			
SITE AREA:	435,600 SQ. F.T.	10 ACRES	±
ALLOWABLE BUILDING AREA ANALYSIS	9,000 × 3	27,0000	S.F.
TOTAL LIVABLE AREA	:	7791.8	S.F.
MAIN HOUSE AREA:			S.F.
GROUND FLOOR A	REA:	5443.3	S.F.
SECOND FLOOR A	REA:	2348.5	S.F.
6 CAR GARAGE AREA	۸:	2098.3	S.F.
COVERED PORCH ARE	A:	269.5	S.F.
COVERED PATIO AREA	4 :	939.5	S.F.
COVERED DECK AREA	902.0	S.F.	
OPEN DECK AREA:	144.0	S.F.	
FUTURE 40' x 80' BAF	3200	S.F.	
GUEST HOUSE AREA:			
GROUND FLOOR A	REA:	1003.0	S.F.
2 CAR GARAGE:	576.0	S.F.	
COVERED PORCH	50	S.F.	
COVERED PATIO	AREA:	206.8	S.F.

COPE OF	WORK:		
CONSTRUCT A	7791.8 SF CUS	STOM RESIDENCE	ON 1.84 ACRE

3.88%

EMPTY LAND. 2. CONSTRUCT A 1003.0 SF GUEST HOUSE. 3. CONSTRUCT LP GAS PROPANE TANK SYSTEM 4. CONSTRUCT WATER WELL & WATER PUMP SYSTEM 5. CONSTRUCT SEPTIC SYSTEM WITH LEACH LINES AND FUTURE

EXPANSION 6. CONSTRUCT GUEST HOUSE WITH ATTACHED GARAGE FUTURE 40' X 80' BARN

8. FUTURE SOLAR PANELS ON GROUND 9. FUTURE GAZEBO 10. FUTURE SWIMMING POOL

ACTUAL LOT COVERAGE

COVER SHEET

CVEAS JOB #: DATE: PLANNING SUBMITTAL #: PLAN CHECK SUBMITTAL #: XX-XXXX DRAWN BY: CHECKED BY:

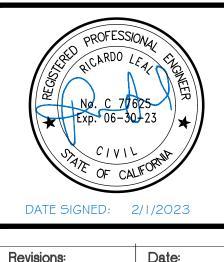
CENTRAL VALLEY

ENGINEERING & SURVEYING, INC.

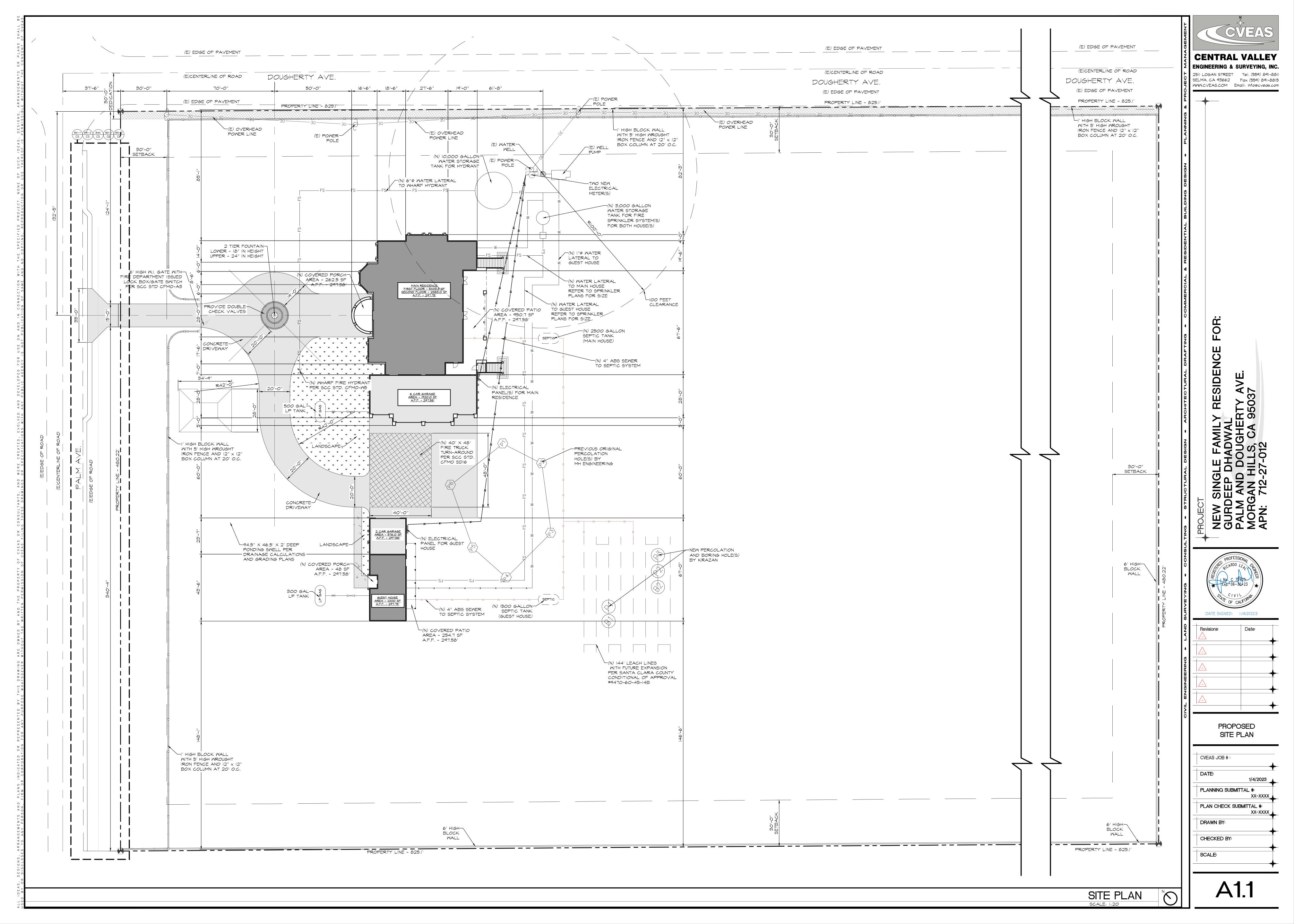
2511 LOGAN STREET Tel. (559) 891-8811

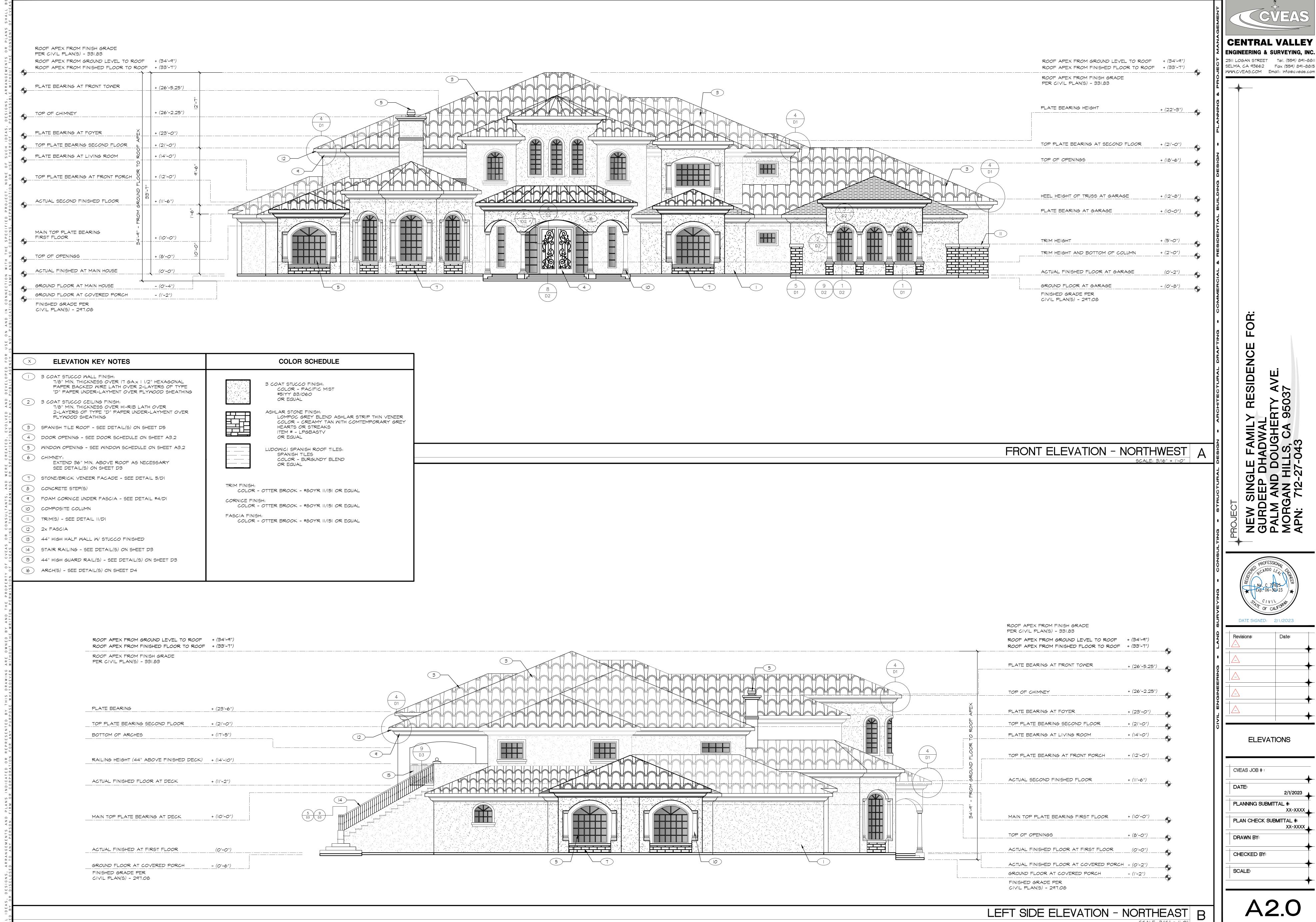
SELMA, CA 93662 Fax (559) 891-8815

WWW.CVEAS.COM Email: info@cveas.com



DATE SIGNED:	2/1/2023
Revisions:	Date:
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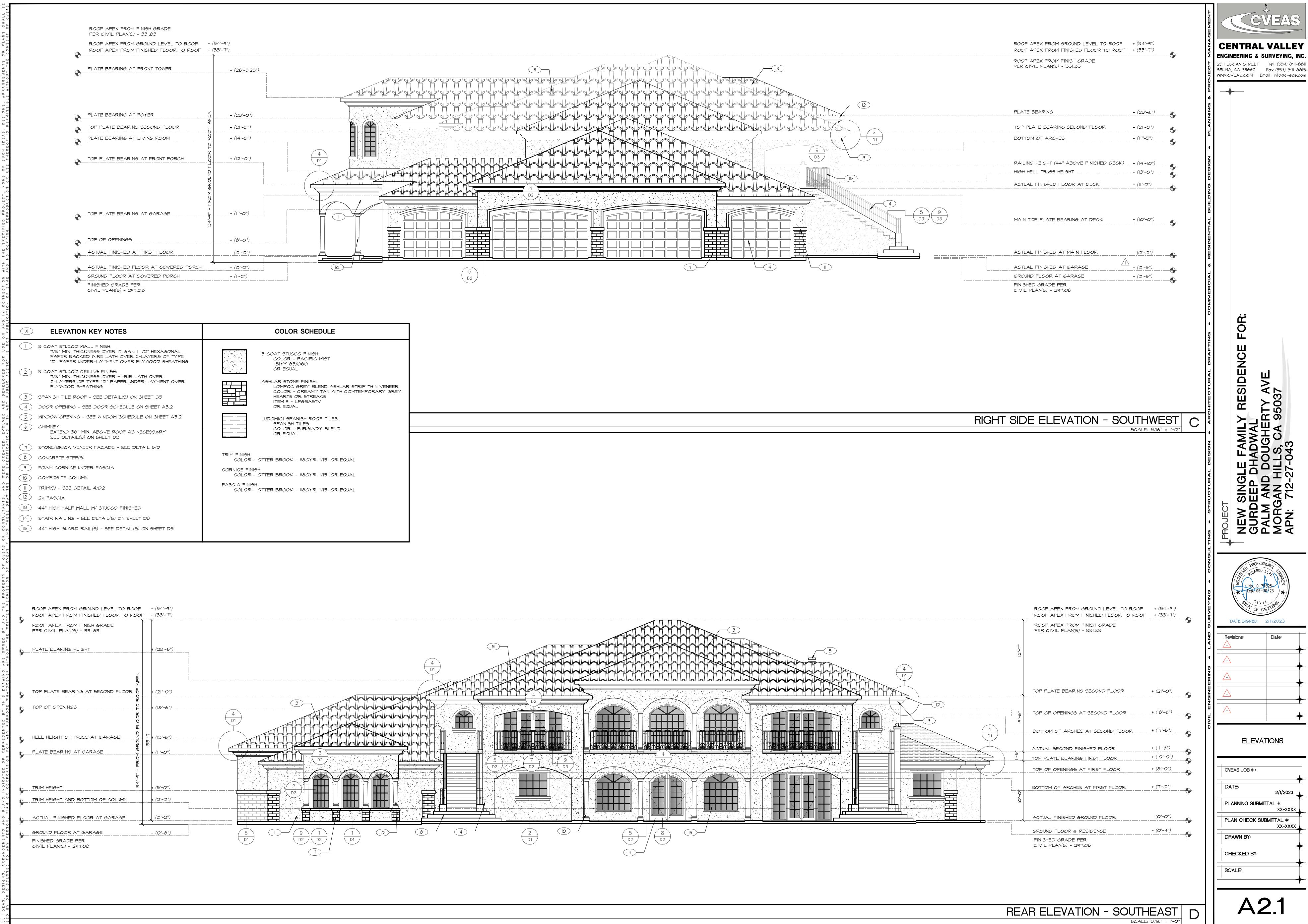




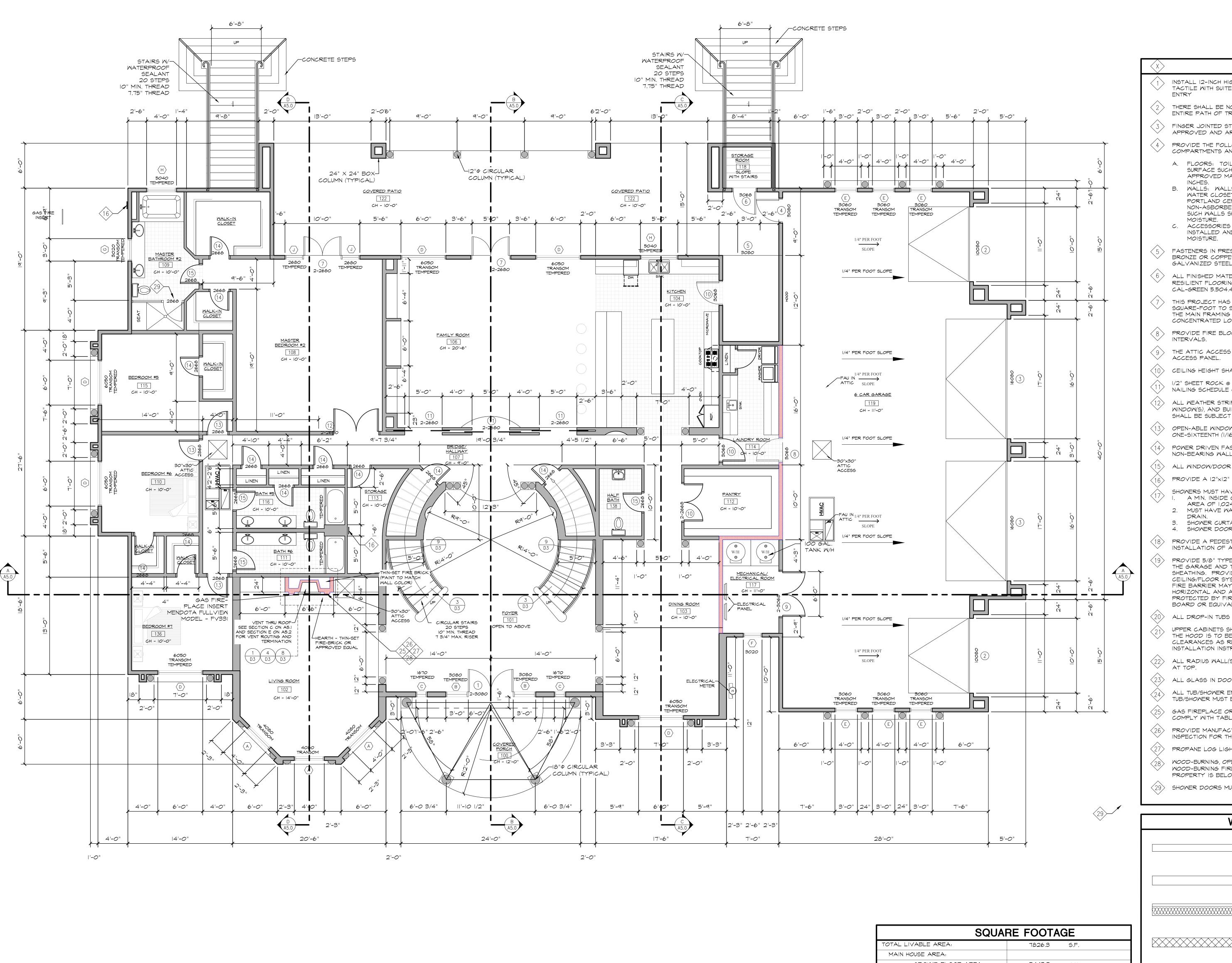
CENTRAL VALLEY

2/1/2023 XX-XXXX

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



CENTRAL VALLEY ENGINEERING & SURVEYING, INC 2511 LOGAN STREET Tel. (559) 891-8811 SELMA, CA 93662 Fax (559) 891-8815



NOTE FOR RADIANT BARRIERS: LP TECHSHIELD RADIANT BARRIER (ESR 2586) BY LP BUILDING PRODUCTS. CA-T370 (TN) 2. RADIANT BARRIER TO COVER ALL VERTICAL SURFACES OF ATTIC SPACES, SUCH AS GABLE END

WALLS.

GROUND FLOOR AREA: 5443.3 S.F. SECOND FLOOR AREA: 2348.5 S.F. 6 CAR GARAGE AREA: 2098.3 S.F. COVERED PORCH AREA: 262.59 S.F. COVERED PATIO AREA: 939.5 S.F. COVERED DECK AREA: 902.0 S.F. 144.0 OPEN DECK AREA: S.F. GUEST HOUSE AREA: GROUND FLOOR AREA: 1181.4 S.F. 2 CAR GARAGE: 576.0 S.F. COVERED PORCH AREA: 50 S.F. COVERED PATIO AREA: 206.8 S.F.



- INSTALL 12-INCH HIGH ADDRESS POSTING FROM THE STREET. THE SIGN SHALL BE TACTILE WITH SUITE NUMBERS IN RAISED NUMBERS AND BRAILLE AT THE MAIN
- $\langle 2 \rangle$ there shall be no vertical offset greater than 1/2 inch along the ENTIRE PATH OF TRAVEL FROM THE PUBLIC WAY.
- FINGER JOINTED STUDS IN STRUCTURAL WALLS (BEARING OR SHEAR) SHALL BE APPROVED AND ARE NOT ALLOWED IN HOLDOWN LOCATIONS.
- PROVIDE THE FOLLOWING FOR FLOORS AND WALLS IN WATER CLOSET COMPARTMENTS AND SHOWERS:
- A. FLOORS: TOILET ROOM FLOORS SHALL HAVE A SMOOTH, HARD ABSORBENT SURFACE SUCH AS PORTLAND CEMENT, CONCRETE, CERAMIC TILE OR OTHER APPROVED MATERIAL THAT EXTENDS UPWARD ONTO THE WALLS AT LEAST 5
- B. WALLS: WALLS WITHIN 2 FEET OF THE FRONT AND SIDES OF URINALS AND WATER CLOSETS SHALL HAVE SMOOTH, HARD ABSORBENT SURFACE OF PORTLAND CEMENT, CONCRETE, CERAMIC TILE OR OTHER SMOOTH, HARD NON-ASBORBENT SURFACE TO A HEIGHT OF 4 FEET. THE MATERIALS USED IN SUCH WALLS SHALL BE OF A TYPE THAT IS NOT ADVERSELY AFFECTED BY
- C. ACCESSORIES PROVIDED ON OR WITHIN RESTROOM WALLS SHALL BE INSTALLED AND SEALED TO PROTECT THE STRUCTURAL ELEMENTS FROM
- FASTENERS IN PRESERVATIVE-TREATED WOOD SHALL BE APPROVED SILICON BRONZE OR COPPER, STAINLESS STEEL OR HOT-DIPPED ZINC-COATED GALVANIZED STEEL.
- ALL FINISHED MATERIALS (ADHESIVE, SEALANTS, CAULKS, PAINTS, CARPETS, RESILIENT FLOORING, COMPOSITE WOOD PRODUCTS) SHALL COMPLY WITH CAL-GREEN 5.504.4
- THIS PROJECT HAS BEEN DESIGNATED WITH A UNIFORM LOAD OF 1.5 POUNDS PER SQUARE-FOOT TO SUPPORT THE ADDED LOADS OF A FIRE-SPRINKLER SYSTEM. THE MAIN FRAMING MEMBERS HAVE BEEN DESIGNED TO SUPPORT THE CONCENTRATED LOADS OF A SPRINKLER SYSTEM.
- (8) PROVIDE FIRE BLOCKING AT ALL FLOOR AND CEILING LEVELS AND AT TEN-FOOT INTERVALS.
- (9) THE ATTIC ACCESS SHALL BE WEATHER STRIPPED & INSULATED TO R-38, ON THE ACCESS PANEL.
- (10) CEILING HEIGHT SHALL BE 8'-0" MIN. UNLESS NOTED OTHERWISE.
- 1/2" SHEET ROCK @ ALL WALLS, CEILINGS, AND GARAGE. FOR NAILING, REFER TO NAILING SCHEDULE ON SHEET -----).
- (12) ALL MEATHER STRIPPING, CAULKING, AND SEALING OF EXTERIOR DOOR(S), WINDOW(S), AND BUILDING ENVELOPE OPENINGS, AS REQUIRED BY STANDARDS. SHALL BE SUBJECT FIELD INSPECTION.
- (13) OPEN-ABLE WINDOW AREA SHALL BE GREATER THAN OR EQUAL TO ONE-SIXTEENTH (1/16) OF THE FLOOR AREA. (CBC 1203.3)
- (14) POWER DRIVEN FASTENERS RAMJET PINS NO. 3330 @ BEARING WALLS 18" O.C. \$ NON-BEARING WALLS.
- ALL WINDOW/DOOR FLASHING REFER TO FLASHING DETAIL #9 ON SHEET DI.
- PROVIDE A 12"x12" MIN. OPENING FOR TUB EQUIPMENT ACCESS PANEL.
- SHOWERS MUST HAVE THE FOLLOWING: A MIN. INSIDE CLEAR DIMENSION OF 30 INCHES WITHIN A MINIMUM TOTAL AREA OF 1,024 SQ. IN.
- MUST HAVE WATERPROOF WALL FINISH UP @ 70 INCHES ABOVE THE SHOWER
- SHOWER CURTAINS OR ENCLOSURES ARE REQUIRED. 4. SHOWER DOORS MUST BE AT LEAST 22 INCHES WIDE.
- <18> PROVIDE A PEDESTRIAN EXIT FROM THE GARAGE OF THE SIZE TO PERMIT THE INSTALLATION OF A 36"x80" DOOR AND THE HARDWARE MAY NOT BE LOCKABLE. PROVIDE 5/8" TYPE "X" GYPSUM BOARD ON GARAGE SIDE OF FIREWALL BETWEEN
- THE GARAGE AND THE DWELLING UNIT AND ITS ATTIC FROM FLOOR TO ROOF SHEATHING. PROVIDE 5/8" TYPE "X" GYPSUM BOARD ON GARAGE SIDE OF THE CEILING/FLOOR SYSTEM WHEN THERE IS HABITABLE AREA ABOVE GARAGE. THE FIRE BARRIER MAY TERMINATE AT THE CEILING WHERE FIRE BARRIER IS HORIZONTAL AND ALL STRUCTURAL MEMBERS THAT SUPPORT FIRE BARRIER ARE PROTECTED BY FIRE RESISTANT CONSTRUCTION NOT LESS THAN 5/8" GYPSUM BOARD OR EQUIVALENT.
- ALL DROP-IN TUBS SHALL BE JETTED OR SOAKING TUB ONLY.
- UPPER CABINETS SHALL BE A MINIMUM OF 18 INCHES ABOVE FINISHED DECK OR THE HOOD IS TO BE INSTALLED PER MANUFACTURER'S REQUIREMENTS WITH CLEARANCES AS REQUIRED BY THE RANGE/COOKTOP MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 22 ALL RADIUS WALL(S) MUST BE 3/4" PLYWOOD SINGLE AT BOTTOM AND DOUBLE
- $\langle 23 \rangle$ ALL GLASS IN DOORS MUST BE LABELED SAFETY GLASS OR TEMPERED GLASS.
- ALL TUB/SHOWER ENCLOSURE AND GLAZING WITHIN 60 INCHES FROM BOTTOM OF TUB/SHOWER MUST BE LABELED SAFETY GLASS OR TEMPERED GLASS.
- GAS FIREPLACE OR DECORATIVE GAS APPLIANCE WITH STANDING PILOT SHALL COMPLY WITH TABLE 4-2 OF THE 2013 CEC.
- (26) PROVIDE MANUFACTURER'S INSTALLATION INSTRUCTIONS AT JOB SITE FOR INSPECTION FOR THE FIREPLACE/WOODSTOVE.
- PROPANE LOG LIGHTERS ARE NOT ALLOWED.
- MOOD-BURNING, OPEN-HEARTH FIREPLACES (WHICH INCLUDES ALL SOLID-FUEL, WOOD-BURNING FIREPLACES, FIRE-PITS, AND BARBEQUES) ARE NOT ALLOWED IF PROPERTY IS BELOW 3000 FEET IN ELEVATION.
- (29) SHOWER DOORS MUST BE AT LEAST 32 INCHES IN WIDTH.

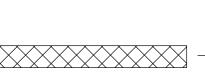
WALL LEGEND

NEW INTERIOR 2×4 DF#2 MOOD STUD WALL @ 16" O.C.

--- NEW INTERIOR 2x6 DF#2 MOOD STUD WALL @ 16" O.C.

NEW EXTERIOR WALL

R-19 INSULATION (TYPICAL)(U.N.O)



--- NEW I HOUR FIRE-RATE GARAGE WALL 2x6 DF#2 MOOD STUD WALL @ 16" O.C. W/ 5/8" GYPSUM TYPE "X" BETWEEN THE GARAGE AND DWELLING AND 5/8" GYPSUM TYPE "X" ON CEILING R-19 INSULATION

2x6 DF#2 MOOD STUD WALL @ 16" O.C.

INSULATION LEGEND MALL INSULATION R-19 R-38 CEILING INSULATION

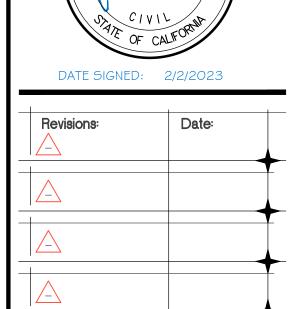
> FLOOR PLAN - FIRST FLOOR SCALE: 3/16" = 1'-0"

CENTRAL VALLEY ENGINEERING & SURVEYING, INC 2511 LOGAN STREET Tel. (559) 891-8811

SELMA, CA 93662 Fax (559) 891-8815 WWW.CVEAS.COM Email: info@cveas.com

SING EEP AND SAN 1 JEW SURDE JALM JALM JORG

T O



Exp. 06-30-23

FLOOR PLAN

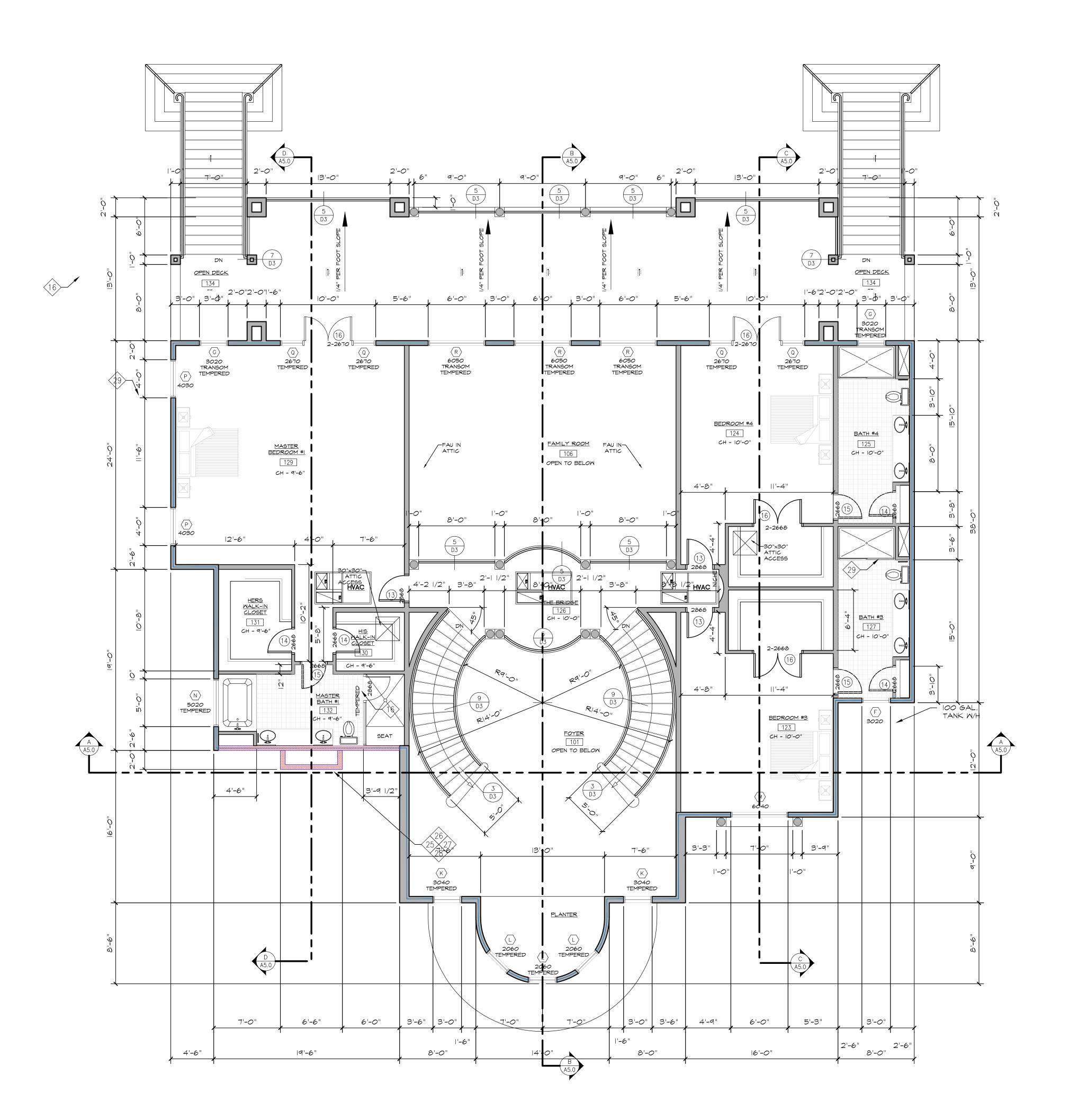
FIRST FLOOR

CVEAS JOB #: DATE: 2/2/2023 PLANNING SUBMITTAL #:

PLAN CHECK SUBMITTAL #: XX-XXXX

DRAWN BY:

CHECKED BY: SCALE:



NOTE FOR RADIANT BARRIERS: LP TECHSHIELD RADIANT BARRIER (ESR 2586) BY LP BUILDING PRODUCTS. CA-T370 (TN) 2. RADIANT BARRIER TO COVER ALL VERTICAL SURFACES OF ATTIC SPACES, SUCH AS GABLE END WALLS.

3 S.F. 3 S.F. 5 S.F. 3 S.F. 9 S.F.	
5 S.F. 3 S.F. 9 S.F.	
5 S.F. 3 S.F. 9 S.F.	
3 5.F. 9 5.F.	
9 S.F.	
<i>c</i> -	
S.F.	
S.F.	
S.F.	
S.F.	
S.F.	
S.F.	
<u> </u>	



INSTALL 12-INCH HIGH ADDRESS POSTING FROM THE STREET. THE SIGN SHALL BE TACTILE WITH SUITE NUMBERS IN RAISED NUMBERS AND BRAILLE AT THE MAIN

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COMPARTMENTS AND SHOWERS:

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FASTENERS IN PRESERVATIVE-TREATED WOOD SHALL BE APPROVED SILICON BRONZE OR COPPER, STAINLESS STEEL OR HOT-DIPPED ZINC-COATED GALVANIZED STEEL.

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PROVIDE FIRE BLOCKING AT ALL FLOOR AND CEILING LEVELS AND AT TEN-FOOT INTERVALS.

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(18) PROVIDE A PEDESTRIAN EXIT FROM THE GARAGE OF THE SIZE TO PERMIT THE INSTALLATION OF A 36"x80" DOOR AND THE HARDWARE MAY NOT BE LOCKABLE.

PROVIDE 5/8" TYPE "X" GYPSUM BOARD ON GARAGE SIDE OF FIREWALL BETWEEN THE GARAGE AND THE DWELLING UNIT AND ITS ATTIC FROM FLOOR TO ROOF SHEATHING. PROVIDE 5/8" TYPE "X" GYPSUM BOARD ON GARAGE SIDE OF THE CEILING/FLOOR SYSTEM WHEN THERE IS HABITABLE AREA ABOVE GARAGE. THE FIRE BARRIER MAY TERMINATE AT THE CEILING WHERE FIRE BARRIER IS HORIZONTAL AND ALL STRUCTURAL MEMBERS THAT SUPPORT FIRE BARRIER ARE PROTECTED BY FIRE RESISTANT CONSTRUCTION NOT LESS THAN 5/8" GYPSUM BOARD OR EQUIVALENT.

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ALL RADIUS WALL(S) MUST BE 3/4" PLYWOOD SINGLE AT BOTTOM AND DOUBLE

(23) ALL GLASS IN DOORS MUST BE LABELED SAFETY GLASS OR TEMPERED GLASS.

ALL TUB/SHOWER ENCLOSURE AND GLAZING WITHIN 60 INCHES FROM BOTTOM OF TUB/SHOWER MUST BE LABELED SAFETY GLASS OR TEMPERED GLASS.

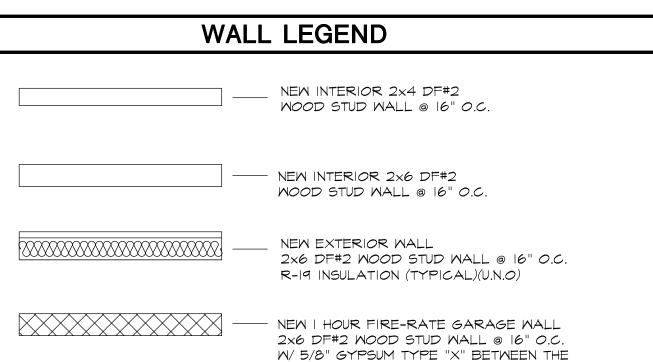
(25) GAS FIREPLACE OR DECORATIVE GAS APPLIANCE WITH STANDING PILOT SHALL COMPLY WITH TABLE 4-2 OF THE 2013 CEC.

 $\langle 26 \rangle$ Provide Manufacturer's installation instructions at Job site for

INSPECTION FOR THE FIREPLACE/WOODSTOVE. PROPANE LOG LIGHTERS ARE NOT ALLOWED.

MOOD-BURNING, OPEN-HEARTH FIREPLACES (WHICH INCLUDES ALL SOLID-FUEL, WOOD-BURNING FIREPLACES, FIRE-PITS, AND BARBEQUES) ARE NOT ALLOWED IF PROPERTY IS BELOW 3000 FEET IN ELEVATION.

(29) SHOWER DOORS MUST BE AT LEAST 32 INCHES IN WIDTH.



R-19 INSULATION

INSULATION LEG	END
WALL INSULATION	R-19
CEILING INSULATION	R-38

GARAGE AND DWELLING AND 5/8" GYPSUM TYPE "X" ON CEILING

FLOOR PLAN - SECOND FLOOR

CENTRAL VALLEY

SELMA, CA 93662 Fax (559) 891-8815 MWW.CVEAS.COM Email: info@cveas.com

ENGINEERING & SURVEYING, INC 2511 LOGAN STREET Tel. (559) 891-8811

JEW SURDE JALM AORG, PN:

Exp. 06-30-23

DATE SIGNED: 2/2/2023

Revisions:

FLOOR PLAN SECOND FLOOR

CVEAS JOB #: DATE: 2/2/2023 PLANNING SUBMITTAL #: PLAN CHECK SUBMITTAL #: XX-XXXX DRAWN BY: CHECKED BY:

SCALE:

					DOO	R SC	HEDULE:							
	DECODIOTICA I		076		DOOR			DOOR		SILL	U		VT	
REF.	DESCRIPTION	QTY.	SIZE	TYPE	THICKNESS	CONST.	FIRE-RATED	FINISH	MTRL	HEIGHT A.F.F.	FACTOR	SHGC	VALUE	REMARKS
	CUSTOM DOUBLE FRONT ENTRY DOOR	I	2-3'-0" × 8'-0"	MD	MANU	MD		PT	MD	-	0.29	0.22	0.50	GLAZING MUST BE TEMPERED GLASS
2	DOUBLE GARAGE DOOR	2	16'-0" × 8'-0"	MD	MANU	MD		PT	MD	-				GLAZING MUST BE TEMPERED GLASS
3	SOLID-CORE DOOR	I	3'-0" x 8'-0"	MD	MANU	MD		PT	MD	-				PRIVACY LOCK
4	VENTED DOOR	l	3'-0" × 8'-0"	MD	MANU	MD		PT	MD	-				PRIVACY LOCK, VENT @ TOP \$ BOTTOM
5	FRENCH DOOR	l	3'-0" × 8'-0"	MD	MANU	MD		PT	MD	-				GLAZED MUST BE TEMPERED GLASS, CUSTOM TO MATCH WINDOW "C"
6	HC DOOR	2	3'-0" × 6'-8"	MD	MANU	MD		PT	MD	_				PRIVACY LOCK 20 MIN. FIRE-RATED
7	DOUBLE FRENCH DOOR	I	2-3'-0" × 7'-0"	ND	MANU	MD		PT	MD	-				
8	20 MIN. FIRE-RATED DOOR	7	2'-8" × 6'-8"	MD	MANU	MD		PT	MD	-				
9	HC DOOR	20	2'-6" × 6'-8"	MD	MANU	MD		PT	MD	-				PROVIDE PRIVACY LOCKS AT BATHROOMS ONLY
(0)	DOUBLE DOOR	2	2-2'-6" × 6'-8"	MD	MANU	MD		PT	MD	-				
	FRENCH DOOR	I	3'-0" × 7'-0"	MD	MANU	MD		PT	MD	-				PRIVACY LOCK TEMPERED GLASS
(12)	SLIDING GLASS DOOR	I	2-3'-0" × 8'-0"	MD	MANU	MD		PT	MD	-				TEMPERED GLASS
(13)	SLIDING GLASS DOOR	I	2-3'-0" × 7'-0"	MD	MANU	MD		PT	MD	-				TEMPERED GLASS
(14)	SINGLE GARAGE DOOR	I	9'-0" × 8'-0"	MD	MANU	MD		PT	MD	-				GLAZING MUST BE TEMPERED GLASS
(15)	S.C DOOR	I	3'-0" × 6'-8"	MD	MANU	MD		PT	MD	-				

ABBREVIATION

- AL ALUMINUM
- AT ARCHED TOP
- ANOD ANODIZED BD — SLIDING BARN DOOR
- BP BYPASS CLOSET DOOR CLR- CLEAR DUAL-GLAZED LOW-E
- CU CUSTOM
- DBL.-- DOUBLE DOOR
- E EXISTING
- FD FRENCH DOOR (TEMPERED) GA — GARAGE DOOR
- HC HOLLOW CORE
- MANU- MANUFACTURER
- PD POCKET DOOR PT - PAINT TO MATCH EXISTING
- RU ROLL-UP DOOR
- SC SOLID CORE

TEMP — TEMPERED

- SD SLIDING DOOR (MOOD)
- SL SLIDING GLASS DOOR (TEMPERED)
- ST STAINLESS STEEL FINISH SF - STOREFRONT DOOR (TEMPERED)
- VD DOOR W/ COMBUSTION AIR VENTS MD - MOOD

DOOR SCHEDULE NOTES:

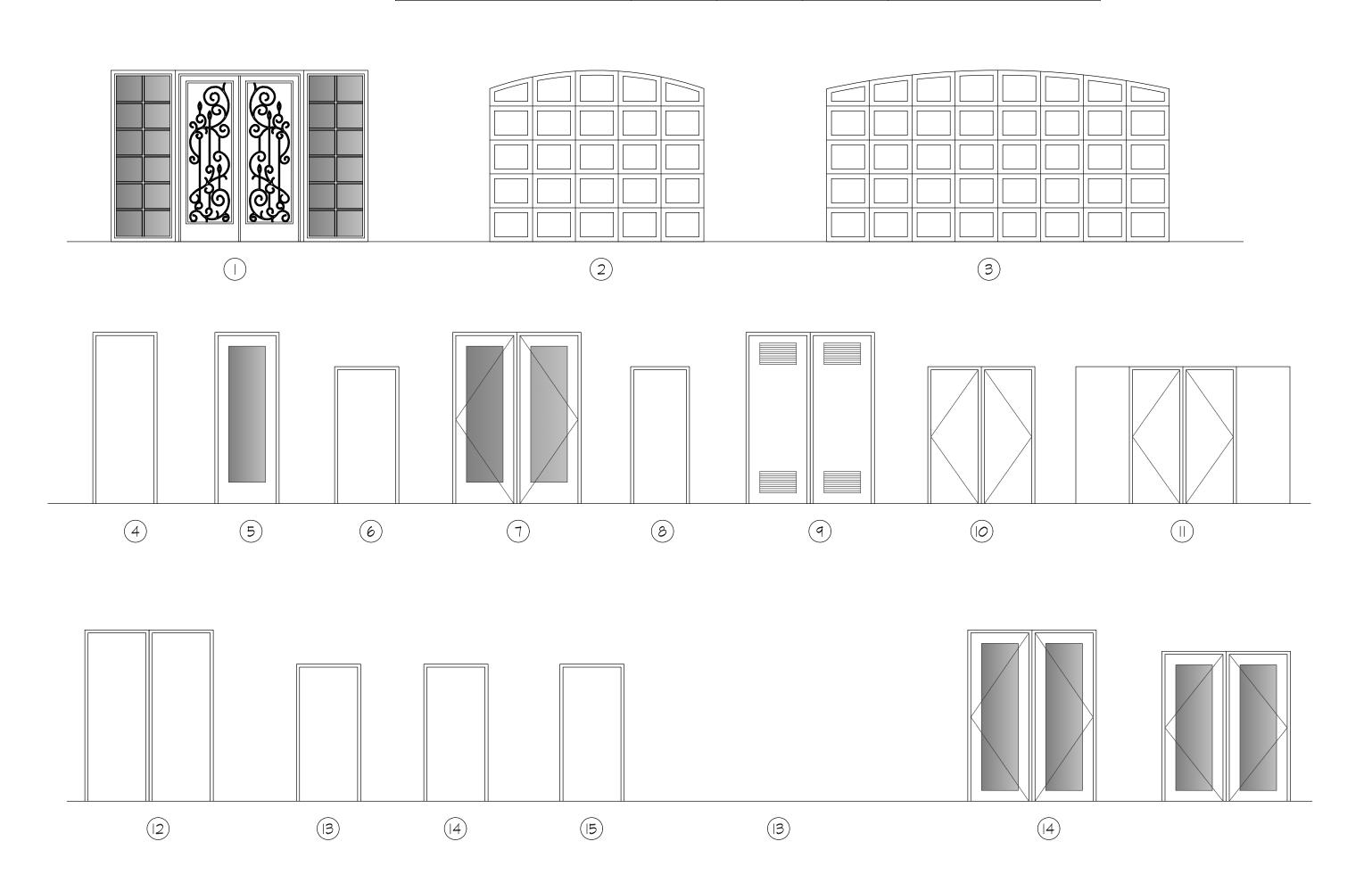
- I. ALL EXTERIOR GLASS DOOR(S) SHALL BE TEMPERED.
- 2. ALL EXTERIOR DOOR(S) LEADING TO BUILDING SHALL HAVE AN ALUMINUM
- THRESHOLD(S) AND BE FULLY WEATHERED STRIPPING.
- 3. AS PER CBC STANDARDS PROVIDE THE FOLLOWING: 3.1. ALL WATER HEATER ROOM(S) SHALL HAVE CEILING FURRED DOWN TO 7'-O". 3.2. PROVIDE | 3/8" SOLID CORE DOOR W/ SELF CLOSER AT THE DOOR. 3.3. PROVIDE DEAD BOLTS AND KEYED LOCK AT ALL EXTERIOR DOOR(S).

PROVIDE STEEL PLAT AT THE DEAD BOLT STRIKER, SOLID SHIM 6" ABOVE

- AND BELOW WITH (2) #8×2" SCREWS. 4. ALL WATER HEATER ROOMS SHALL HAVE CEILINGS FURRED DOWN TO 7'-O".
- 5. PROVIDE A | 3/8" SOLID CORE DOOR W/ SELF CLOSER AT THE DOOR.
- 6. MINIMUM WIDTH OF DOOR OPENINGS SHALL BE A CLEAR WIDTH OF 36" FOR ACCESSIBILITY.
- 7. ALL SHOWER DOORS SHALL BE TEMPERED GLASS GLAZING.
- 8. IF A NEW TANK WATER HEATER IS INSTALLED, PROVIDE COMBUSTION AIR VENTILATION PER CALCULATIONS BELOW.

COMBUSTION AIR CALCULATIONS	}	
NUMBER OF WATER HEATERS	=	

	NUMBE	R OF WATER	HEATERS =	2	anty.
		BTU/h	PER W/H =	78,000	BTU/h
	156,000	BTU/h			
100 50	RED FOR =	100,000	BTU/h		
		EXCE	SS BTU/h =	56,000	BTU/h
	EXC	LESS BTU/h PE	R 5Q. IN. =	1,000	
EXTRA VENTILATION AREA REQU	JIRED IN EXC	ESS OF 100,0	00 BTU/h =	56	SQ. IN.
TC	OTAL VENTILA	ATION AREA F	REQUIRED =	156	SQ. IN.
VENTILATION AREA	VENT SIZE	NEW AREA	anty.	TOTAL SQ. IN	. PROVIDED
PROVIDED:	12" × 24"	288	I	28	8



					WINE	OOW	SCI	HEDUI	LE:							
		07/			WINDO	W			DOOR		SILL	U		VT	EGRESS	
REF.	DESCRIPTION	QTY.	SIZE	TYPE	GLAZING	GLA	SS	STYLE	FINISH	MTRL	HEIGHT A.F.F.	FACTOR	SHGC	VALUE	OPENING	REMARKS
A	FRENCH RENAISSANCE	14	3040	DH	DP	CLR.	LE	CS	MHT	VY	16"	0.29	0.22	0.50	36"×24"	TRANSOM IS CUSTOM WITH THE DOOR
$\langle B \rangle$	FRENCH RENAISSANCE	3	3040	FIXED	DP	CLR.	LE	CS	MHT	VY	16"	0.29	0.22	0.50		19.5" RADIUS TRANSOM ABOVE - TEMPERED
C	FRENCH RENAISSANCE	6	1670	DH	DP	CLR.	LE	CS	MHT	VY	24"	0.29	0.22	0.50	36"x30"	TEMPERED
D	FRENCH RENAISSANCE	2	4040	DH	DP	CLR.	LE	cs	MHT	VY	36"	0.29	0.22	0.50	48"×24"	24" RADIUS TRANSOM ABOVE - TEMPERED
E	FRENCH WINDOW	I	4040	SL	DP	CLR.	LE	cs	MHT	VY	48"	0.29	0.22	0.50	24"×48"	
F	FRENCH MINDOM	5	3070	DH	DP	CLR.	LE	CS	MHT	VY	24"	0.29	0.22	0.50	36"×42"	
G	FRENCH WINDOW	I	6070	FIXED	D D	CLR.	LE	CS	MHT	VY	24"+	0.29	0.22	0.50		FIXED
$\langle H \rangle$	FRENCH MINDOM	I	3040	SL	DP D	CLR.	LE	CS	MHT	VY	16"	0.29	0.22	0.50		TEMPERED
J	FRENCH MINDOM	I	3020	SL	DP	CLR.	LE	CS	MHT	VY	21"	0.29	0.22	0.50		TEMPERED
K	FRENCH RENAISSAMCE	3	3046	FIXED	DP	CLR.	LE	cs	MHT	VY	25"	0.29	0.22	0.50		18" RADIUS TRANSOM ABOVE - TEMPERED
	FRENCH MINDOM	ı	3060	DH	DP	CLR.	LE	CS	MHT	VY	58"	0.29	0.22	0.50		TEMPERED
M	FRENCH MINDOM	2	3080	FIXED	DP	CLR.	LE	CS	MHT	VY	58"	0.29	0.22	0.50		TEMPERED
$\langle N \rangle$	FRENCH RENAISSAMCE	2	3026	DH	DP	CLR.	LE	CS	MHT	/	58"	0.29	0.22	0.50		22.75" RADIUS TRANSOM ABOVE - TEMPERED
P	SIDELIGHTS	2	1580	FIXED	DP	CLR.	LE	C5	MHT	VY	58"	0.29	0.22	0.50		PART OF THE CUSTOM DOOR - SEE DOOR #1

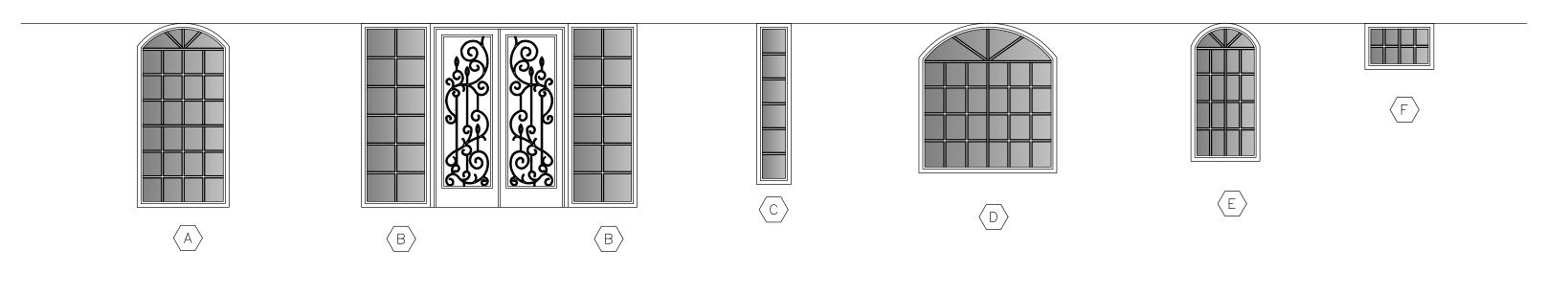
ABBREVIATION

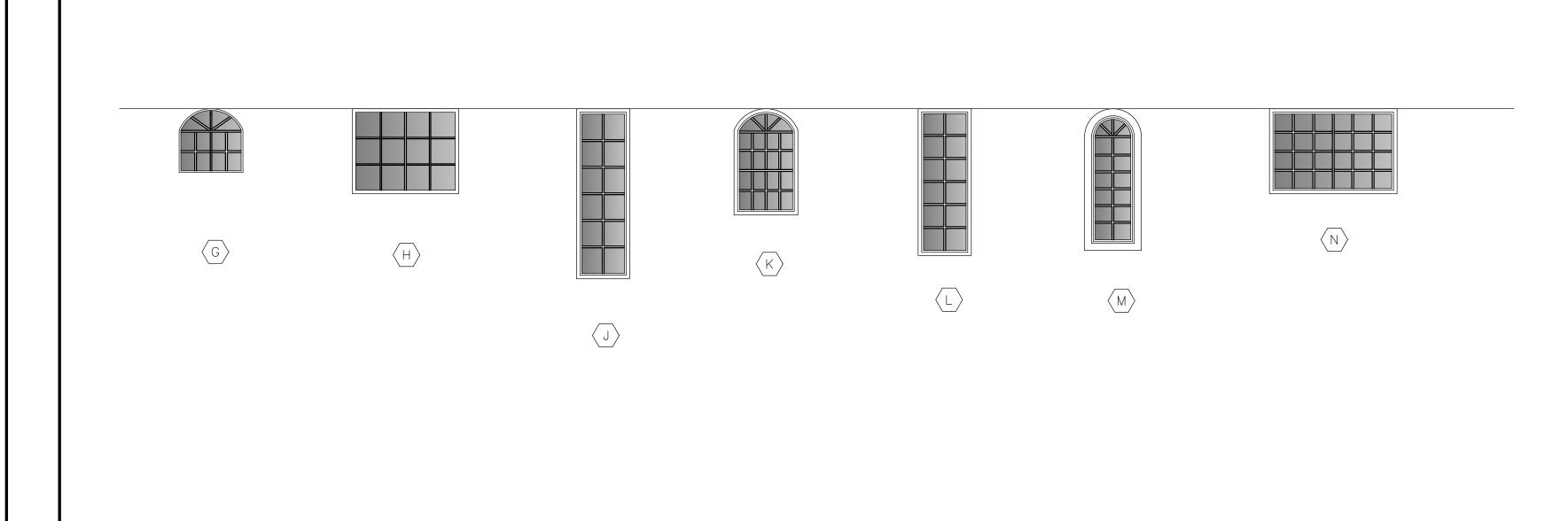
AT - ARCHED TOP

- CLR- CLEAR
- CS CLASSIC STYLE DP - DUAL PANE
- F --- FIXED
- HR HALF ROUND
- HS HORIZONTAL SLIDER
- LE --- LOW-E MTL --- METAL
- MTRL- MATERIAL
- OBS--- OBSCURED
- PW --- PICTURE WINDOW
- R --- RENAINNASSANCE
- SH SINGLE HUNG
- VY --- VINYL MHT --- MHITE

WINDOW SCHEDULE NOTES:

- I. ALL WINDOW ARE TO BE SUPPLIED BY OTHERS UNLESS NOTED OTHERWISE.
- 2. ALL OPEN-ABLE WINDOWS SHALL HAVE INSECT SCREENS.
- 3. ALL WINDOWS SHALL BE INSTALLED TO MANUFACTURE'S SPECIFICATION.
- 4. 44" MAX. SILL HEIGHT FOR WINDOWS USED AS EMERGENCY EXISTS.
- 5. FENESTRATION U-VALUES SHALL EQUAL OR BE LESS THAN 0.52.
- 6. WINDOW SIZES ARE STANDARD NOTATION 48"x24" > 18" DESIGNATES: WIDTH x HEIGHT OF ARCH > (TO) SHORTEST LEG OF ARCH.
- 7. WINDOWS TO MEET MINIMUM STANDARDS AS ESTABLISHED BY MIN. STANDARDS.
- 8. ALL WINDOWS WITHIN OF 24" EDGE OF ADJACENT DOORS AND / OR WINDOWS SHALL BE TEMPERED
- 9. BOTTOM OF ALL WINDOWS WITHIN OF 18" HEIGHT OF FINISHED FLOOR SHALL BE TEMPERED GLASS.
- 10. GLAZING WITHIN 60 INCHES (MEASURED HORIZONTALLY IN A STRAIGHT LINE) OF THE WATER EDGE OF HOT TUBS, SPAS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS, AND INDOOR OR OUTDOOR SWIMMING POOLS WHERE THE BOTTOM EDGE OF THE WINDOW IS LESS THAN 60 INCHES MEASURED VERTICALLY ABOVE ANY STANDING OR WALKING SURFACE.
- WINDOWS WITHIN 36" (MEASURED HORIZONTALLY IN A STRAIGHT LINE) TO A WALKING SURFACE WITH INDIVIDUAL PANE(S) GREATER THAN NINE SQUARE FEET, WHERE TOP EDGE IS GREATER THAN 36 INCHES AND BOTTOM EDGE IS LESS THAN 18 INCHES ABOVE THE FLOOR.











Revisions:

DOOR AND

WINDOW SCHEDULES

PLANNING SUBMITTAL #:

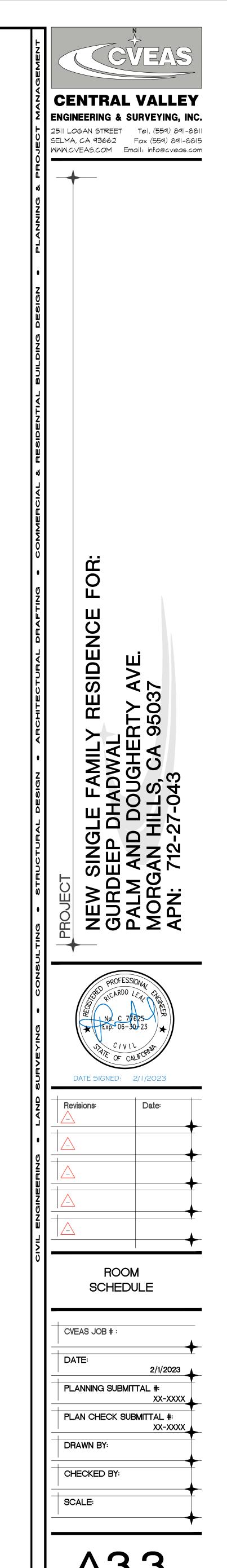
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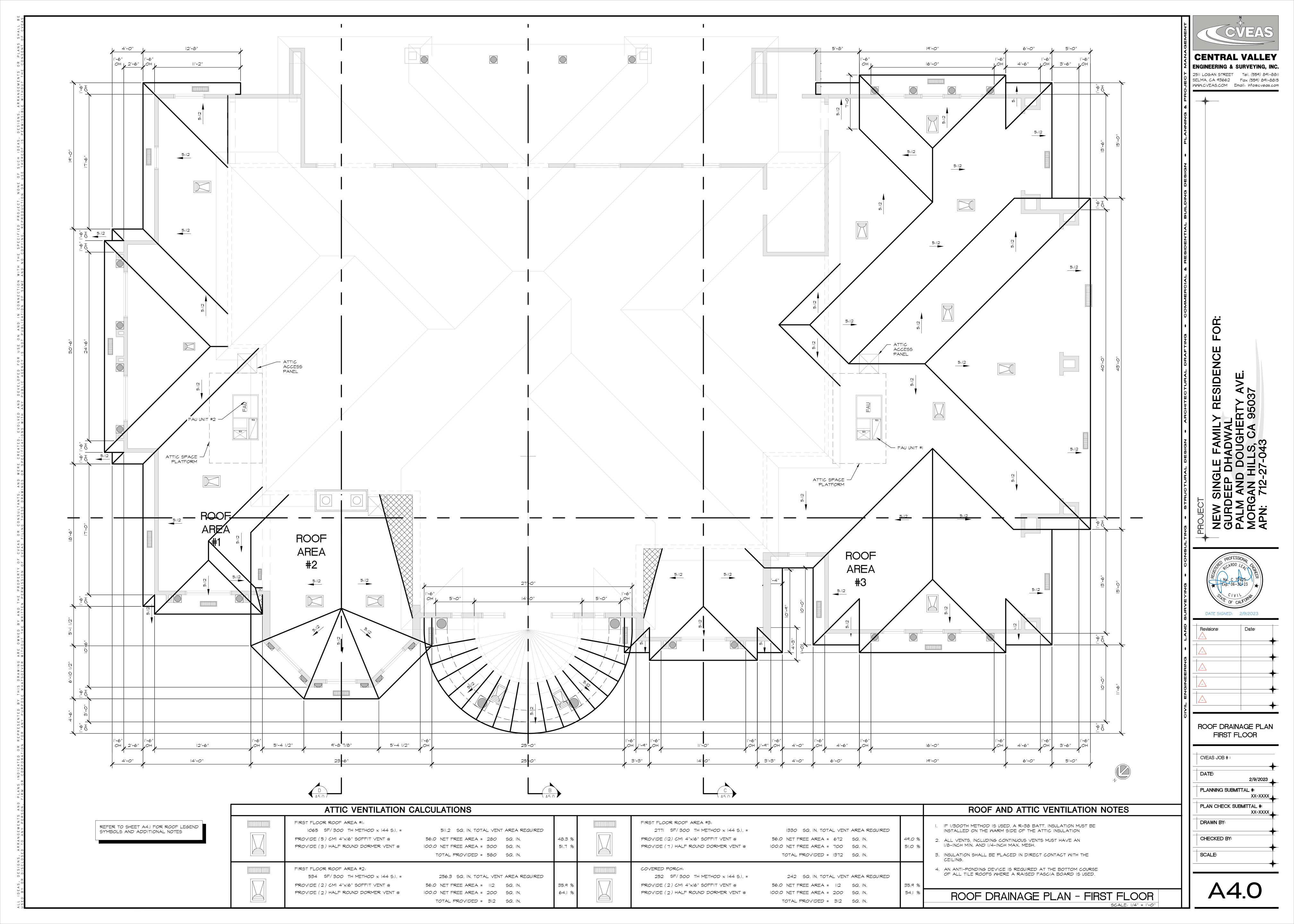
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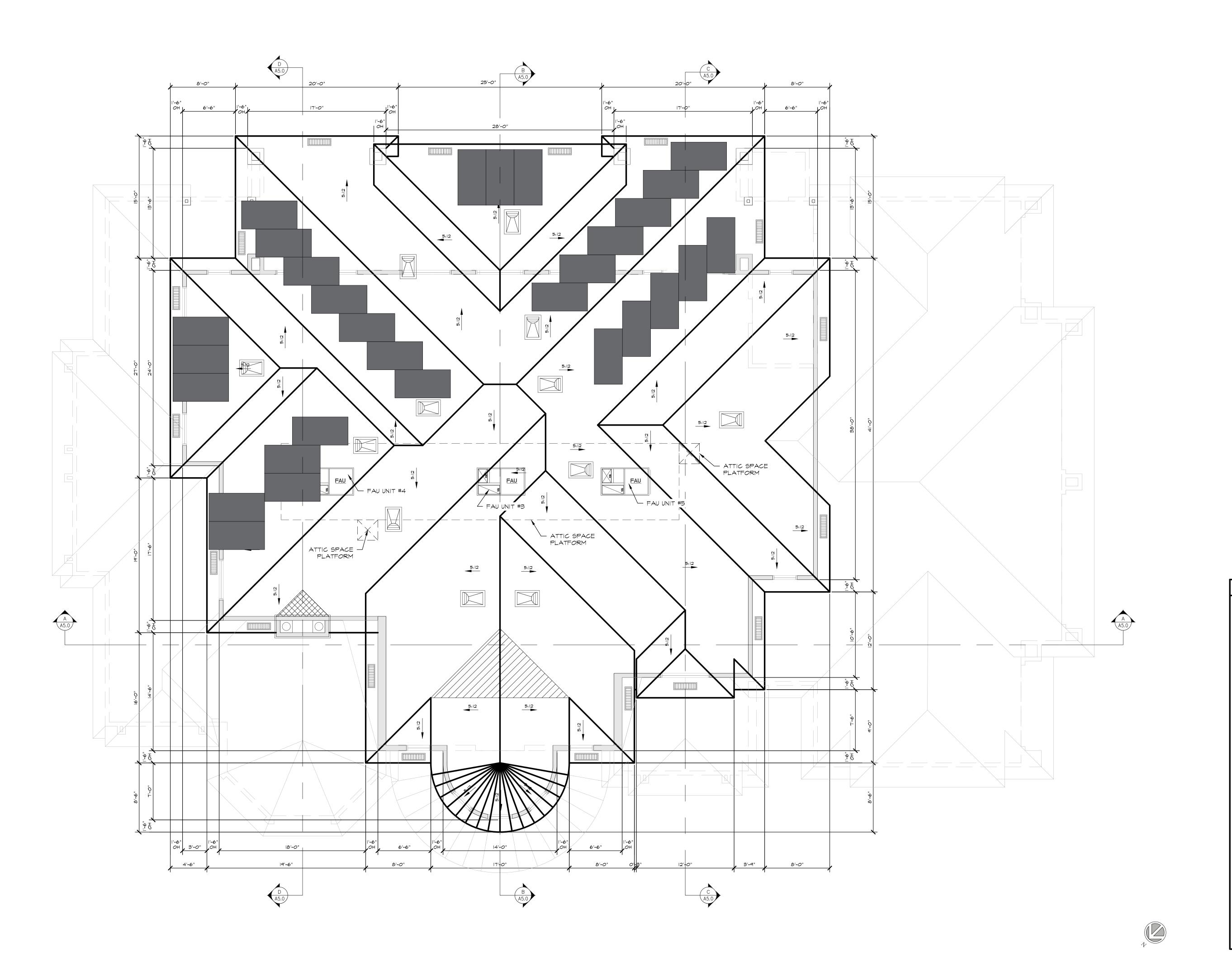
CHECKED BY:

			ROOM FINIS	HED SCHEDULE		
RM. #	AREA	FLOOR	BASE BOARD	WALLS	CEILINGS	REMARKS
100	COVERED PORCH	CONCRETE SLAB	WEEP SCREED - SEE DETAILS ON SHEET DI	STUCCO - SEE NOTE #4 BELOW	STUCCO - SEE NOTE #5 BELOW	
101	FOYER/ENTRY	CERAMIC TILE	5" HIGH CERAMIC TILE COVED BASE - SEE DETAIL #7/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
102	LIVING ROOM	CARPET	5" HIGH WOOD BASE - SEE DETAIL IO/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
103	DINING ROOM	CERAMIC TILE	5" HIGH CERAMIIC TILE COVED BASE - SEE DETAIL #7/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
104	KITCHEN	CERAMIC TILE	5" HIGH CERAMIC TILE COVED BASE INCLUDING TOE-KICK SPACES @ COUNTERS - SEE DETAIL #7/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
105	SPICE KITCHEN	CERAMIC TILE	5" HIGH CERAMIC TILE COVED BASE INCLUDING TOE-KICK SPACES @ COUNTERS - SEE DETAIL #7/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
106	FAMILY ROOM	CARPET	5" HIGH WOOD BASE - SEE DETAIL IO/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
107	BIRDGE/HALLWAY	CARPET	5" HIGH WOOD BASE - SEE DETAIL IO/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
108	MASTER BEDROOM #2	CARPET	5" HIGH WOOD BASE - SEE DETAIL IO/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
109	MASTER BATH #2	CERAMIC TILE	5" HIGH CERAMIC TILE COVED BASE INCLUDING TOE-KICK SPACES @ COUNTERS - SEE DETAIL #7/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
IIO	BEDROOM #6	CARPET	5" HIGH WOOD BASE - SEE DETAIL IO/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
	BATH #6	CERAMIC TILE	5" HIGH CERAMIC TILE COVED BASE INCLUDING TOE-KICK SPACES @ COUNTERS - SEE DETAIL #7/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
2	PANTRY	CERAMIC TILE	5" HIGH CERAMIC TILE COVED BASE INCLUDING TOE-KICK SPACES @ COUNTERS - SEE DETAIL #7/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
3	STORAGE	CARPET	5" HIGH WOOD BASE - SEE DETAIL IO/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
	LAUNDRY ROOM	CERAMIC TILE	5" HIGH CERAMIC TILE COVED BASE INCLUDING TOE-KICK SPACES @ COUNTERS - SEE DETAIL #7/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
	BEDROOM #5	CARPET	5" HIGH WOOD BASE - SEE DETAIL IO/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
	 	CERAMIC TILE	5" HIGH CERAMIC TILE COVED BASE INCLUDING	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
	MECHANICAL/ELECTRICAL ROOM	CONCRETE SLAB	TOE-KICK SPACES @ COUNTERS - SEE DETAIL #7/DI 5" HIGH WOOD BASE - SEE DETAIL II/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
			5" HIGH WOOD BASE - SEE DETAIL II/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
II8	STORAGE ROOM	CONCRETE SLAB			· · · · · · · · · · · · · · · · · · ·	
9	6 CAR GARAGE	CONCRETE SLAB	5" HIGH WOOD BASE - SEE DETAIL II/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
120	STORAGE CLOSET	CONCRETE SLAB	5" HIGH WOOD BASE - SEE DETAIL II/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
[2]						
122	COVERED PATIO	CONCRETE SLAB	WEEP SCREED - SEE DETAILS ON SHEET DI	STUCCO - SEE NOTE #4 BELOW	STUCCO - SEE NOTE #5 BELOW	
123	BEDROOM #3	CARPET	5" HIGH WOOD BASE - SEE DETAIL IO/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
[124]	BEDROOM #4	CARPET	5" HIGH WOOD BASE - SEE DETAIL IO/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
125	BATH #4	CERAMIC TILE	5" HIGH CERAMIC TILE COVED BASE INCLUDING TOE-KICK SPACES @ COUNTERS - SEE DETAIL #7/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
126	UPSTAIRS BRIDGE	CARPET	5" HIGH WOOD BASE - SEE DETAIL IO/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
127	BATH #3	CERAMIC TILE	5" HIGH CERAMIC TILE COVED BASE INCLUDING TOE-KICK SPACES @ COUNTERS - SEE DETAIL #7/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
128						
129	MASTER BEDROOM #I	CARPET	5" HIGH WOOD BASE - SEE DETAIL IO/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
130	HIS WALK-IN CLOSET	CARPET	5" HIGH WOOD BASE - SEE DETAIL IO/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
[13]	HERS WALK-IN CLOSET	CARPET	5" HIGH WOOD BASE - SEE DETAIL IO/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
132	MASTER BATH #I	CERAMIC TILE	5" HIGH CERAMIC TILE COVED BASE INCLUDING TOE-KICK SPACES @ COUNTERS - SEE DETAIL #7/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
133	COVERED DECK	HARDIE-BACKER	SEE DETAILS ON SHEET D3	STUCCO - SEE NOTE #4 BELOW	STUCCO - SEE NOTE #5 BELOW	SEE NOTE #6 BELOW
134	OPEN DECK	HARDIE-BACKER	SEE DETAILS ON SHEET D3	STUCCO - SEE NOTE #4 BELOW	STUCCO - SEE NOTE #5 BELOW	SEE NOTE #6 BELOW
135						
136	BEDROOM #7	CARPET	5" HIGH WOOD BASE - SEE DETAIL IO/DI	PAINTED DRYWALL (SEE NOTE #3 BELOW)	PAINTED DRYWALL (SEE NOTE #3 BELOW)	
NOTE:						

ALL DECORATIVE MATERIALS SHALL BE OF NON-COMBUSTIBLE OR APPROVED FLAME RETARDANT MATERIAL.
 ALL FINISHED MATERIALS (ADHESIVES, SEALANTS, CAULKS, PAINTS, CARPET, RESILIENT FLOORING, COMPOSITE WOOD PRODUCTS) SHALL COMPLY WITH CAL-GREEN 5.505.4.
 DRYWALL WALL(S) AND CEILING(S) SHALL BE GLOSS OR SEMI-GLOSS FINISH.
 3 COAT STUCCO FINISH - 7/8" MIN. THICKNESS OVER I7 GA. X | 1/2" HEXAGONAL PAPER-BACKED WIRE LATH OVER 2-LAYERS OF TYPE "D" PAPER UNDER-LAYMENT
 3 COAT STUCCO CEILING FINISH - 7/8" MIN. THICKNESS OVER HI-RIB LATH OVER 2-LAYERS OF TYPE "D" UNDER-LAYMENT
 HARDIE-BACKER OVER DECTECH WATERPROOFING MEMBRANE OVER | 1/8" EXTERIOR GRADE PLYWOOD. INSTALL PER MANUFACTURER'S INSTALLATION AND SPECIFICATIONS. PROVIDE 1/4" PER FOOT SLOPE TAPERED IN FLOOR JOIST OR FLOOR TRUSSES.

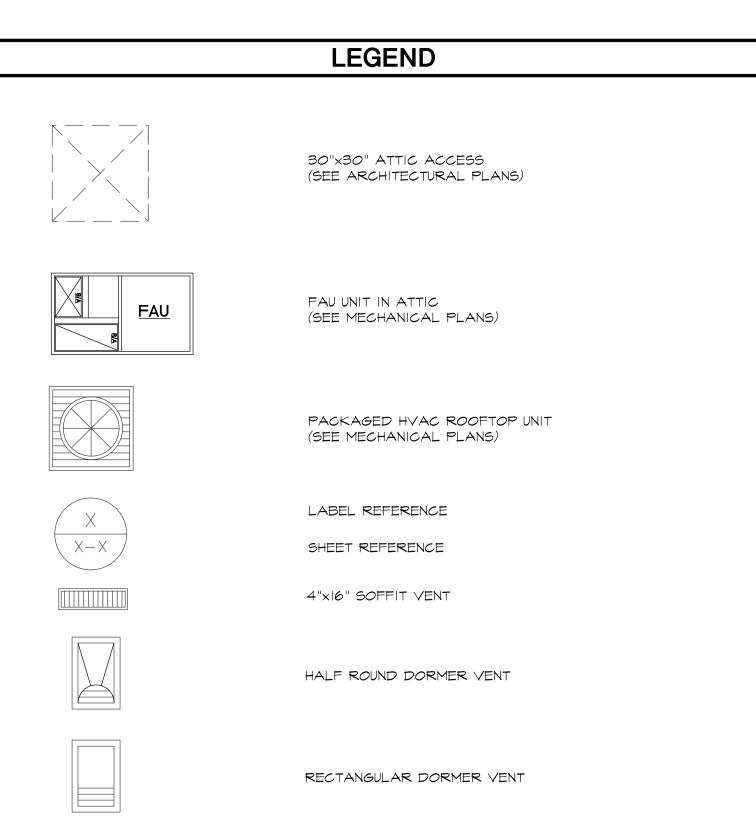






ATTIC VENTILATION CALCULATIONS MAIN HIGH ROOF AREA: 2161.4 SQ. IN. TOTAL VENT AREA REQUIRED 4503 SF/300 TH METHOD x 144 S.I. = PROVIDE (18) CMI 4"x16" SOFFIT VENT @ 56.0 NET FREE AREA = 1008 SQ. IN. 45.7 % 54.3 % PROVIDE (12) HALF ROUND DORMER VENT @ 100.0 NET FREE AREA = 1200 SQ. IN. TOTAL PROVIDED = 2208 SQ. IN.

INDICATES CRICKET FRAMING INDICATES CALIFORNIA FILL



	ROOF MATERIAL SCHEDUL	.E
ROOF LOCATION	ROOFING MATERIAL	DETAIL SHEET #
GROUND FLOOR ROOF(S)	LUCOMICI SPANISH TILE NOTE: REFER TO MANUFACTURER'S INSTALLATION INSTRUCTION	DETAIL SHEET D5
SECOND FLOOR ROOF(S)	LUCOMICI SPANISH TILE NOTE: REFER TO MANUFACTURER'S INSTALLATION INSTRUCTION	DETAIL SHEET D5

ROOF AND ATTIC VENTILATION NOTES

- IF I/300TH METHOD IS USED, A R-38 BATT. INSULATION MUST BE INSTALLED ON THE WARM SIDE OF THE ATTIC INSULATION
- ALL VENTS, INCLUDING CONTINUOUS VENTS MUST HAVE AN I/8-INCH MIN. AND I/4-INCH MAX. MESH.
- 3. INSULATION SHALL BE PLACED IN DIRECT CONTACT WITH THE
- 4. AN ANTI-PONDING DEVICE IS REQUIRED AT THE BOTTOM COURSE OF ALL TILE ROOFS WHERE A RAISED FASCIA BOARD IS USED.

ROOF DRAINAGE PLAN - SECOND FLOOR

| CENTRAL VALLEY SELMA, CA 93662 Fax (559) 891-8815 WWW.CVEAS.COM Email: info@cveas.com

DATE SIGNED: 2/9/2023 Revisions:

ROOF DRAINAGE PLAN

SECOND FLOOR CVEAS JOB #: DATE: 2/9/2023 PLANNING SUBMITTAL #: PLAN CHECK SUBMITTAL #: XX-XXXX DRAWN BY: CHECKED BY:

CROSS SECTION A-A SCALE: 3/16" = 1'-0"

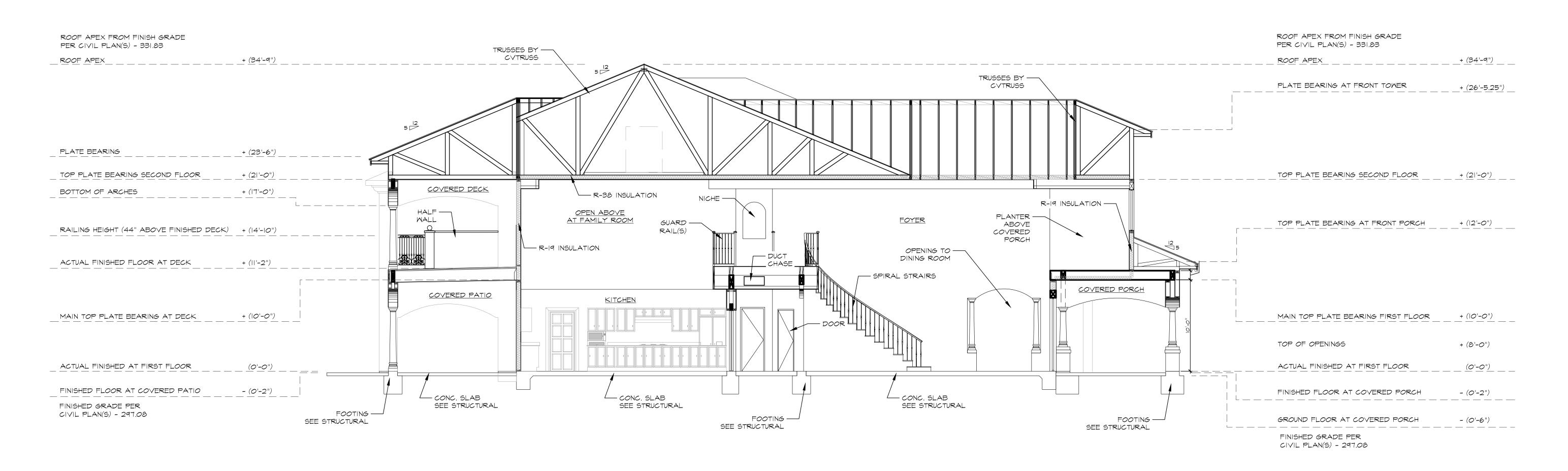
Revisions:

CROSS SECTION

DATE: 2/1/2023 PLANNING SUBMITTAL #: PLAN CHECK SUBMITTAL #:

XX-XXXX DRAWN BY: CHECKED BY:

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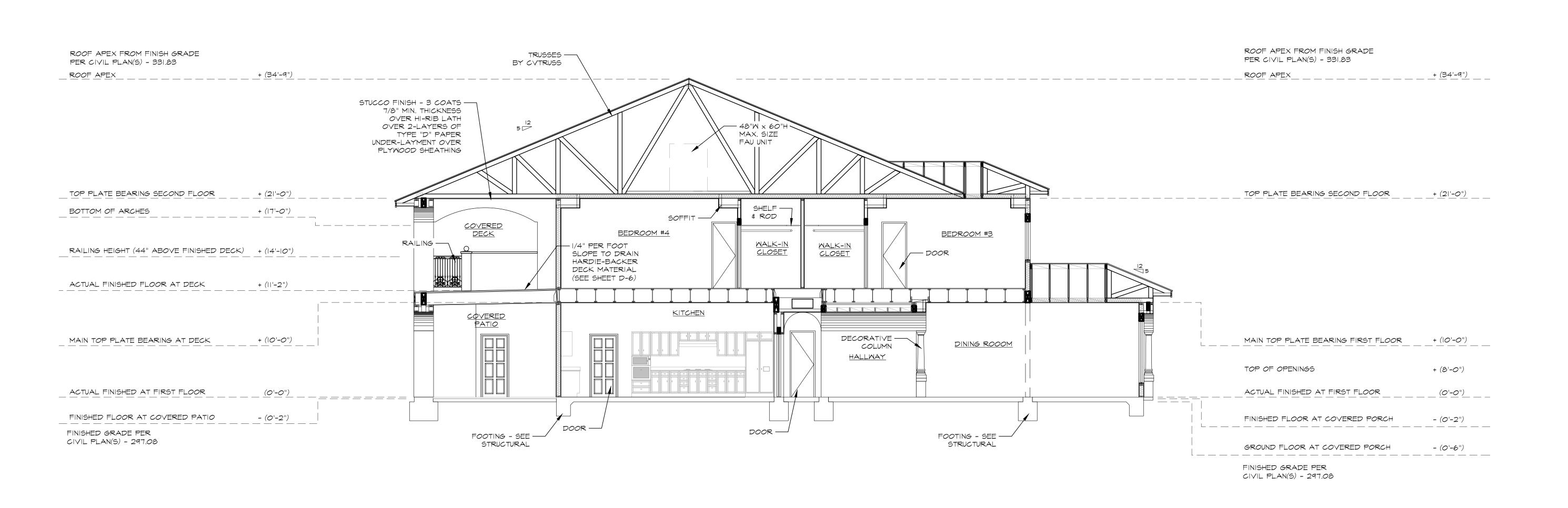
HEEL HEIGHT OF TRUSS AT GARAGE + (12'-6") PLATE BEARING AT GARAGE _____ + (10'-0") ___

SEE STRUCTURAL

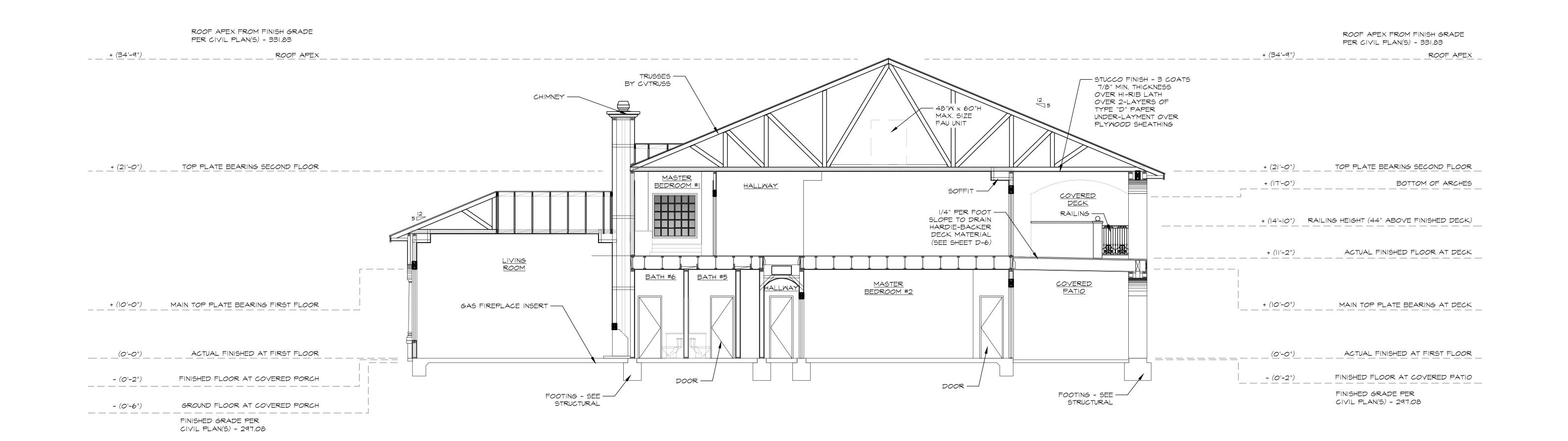
STUD WALL

SELMA, CA 93662 Fax (559) 891-8815 WWW.CVEAS.COM Email: info@cveas.com

CVEAS JOB #:



CROSS SECTION C-C



SINGLE FAMILY RESIDENCE FOR:

AND DOUGHERTY AVE.

3AN HILLS, CA 95037

712-27-043

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SELMA, CA 93662 Fax (559) 891-8815 WWW.CVEAS.COM Email: info@cveas.com

PROJECT NEW S

NEW S

NO. C 7/1672

EXD. 06-30-53

NO. C 7/1672

WORGA

APN: 7

APN: 7

APN: 7

Revisions: Date:

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CROSS SECTION

CVEAS JOB # :

DATE:

2/1/2023

PLANNING SUBMITTAL #:

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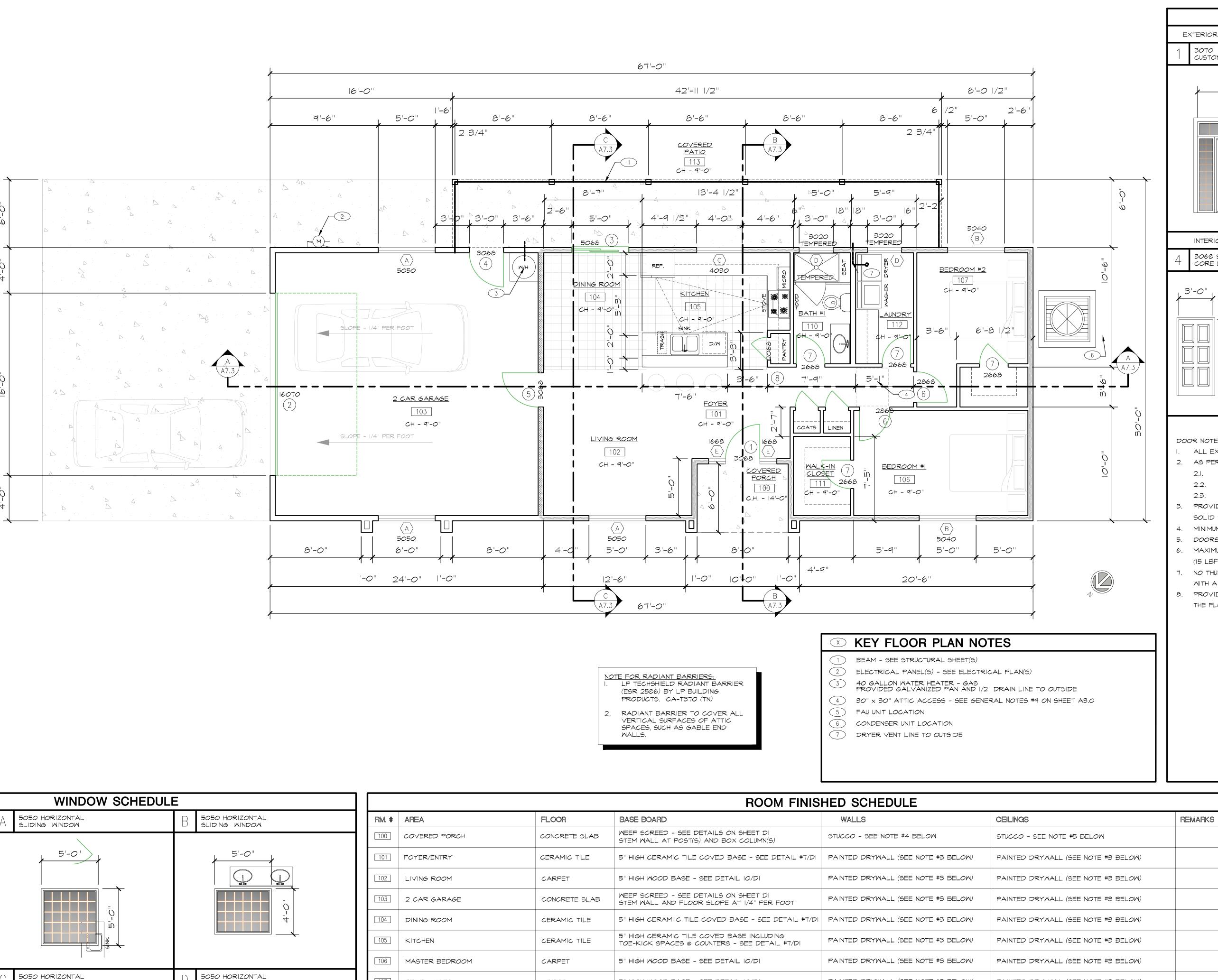
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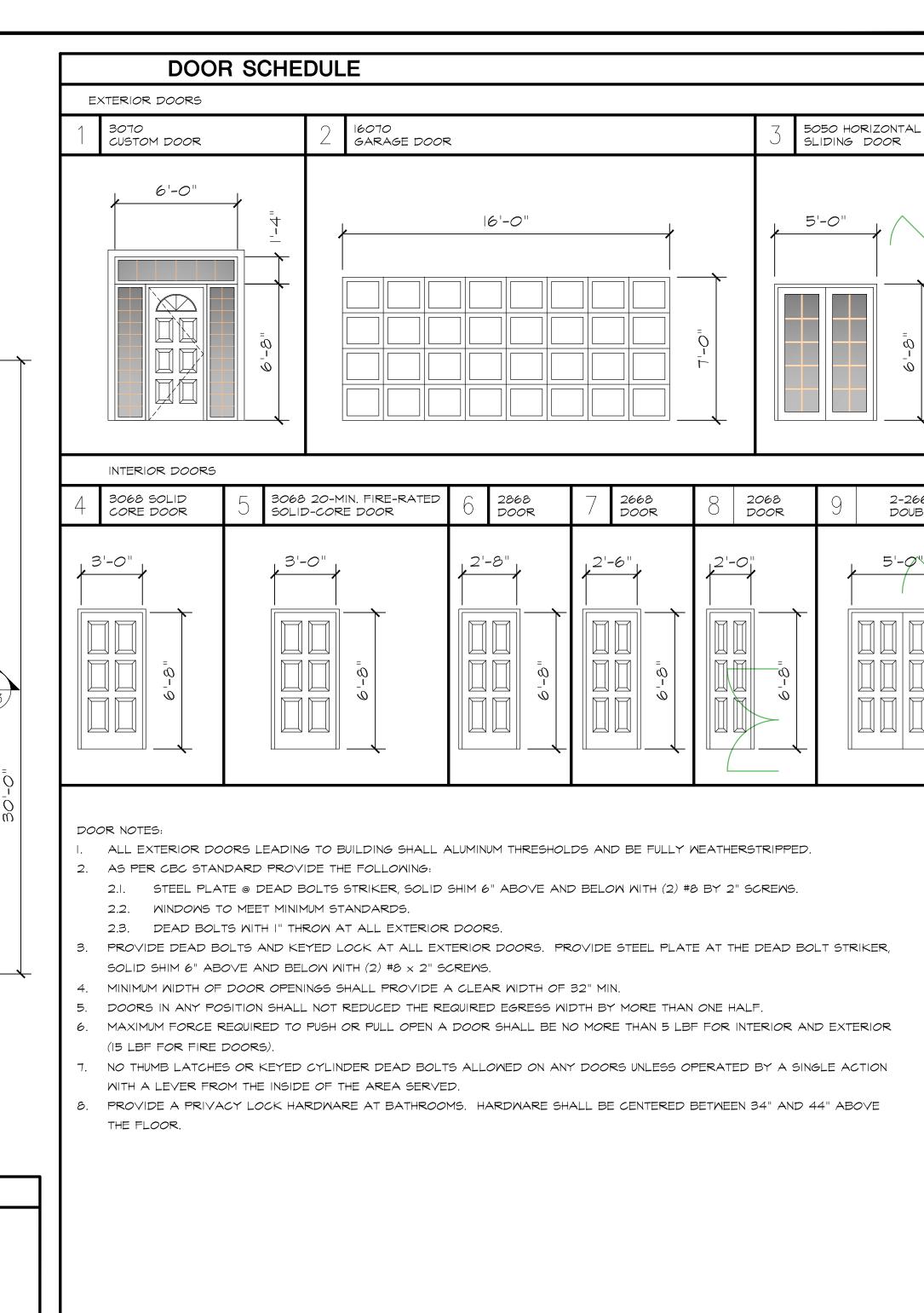
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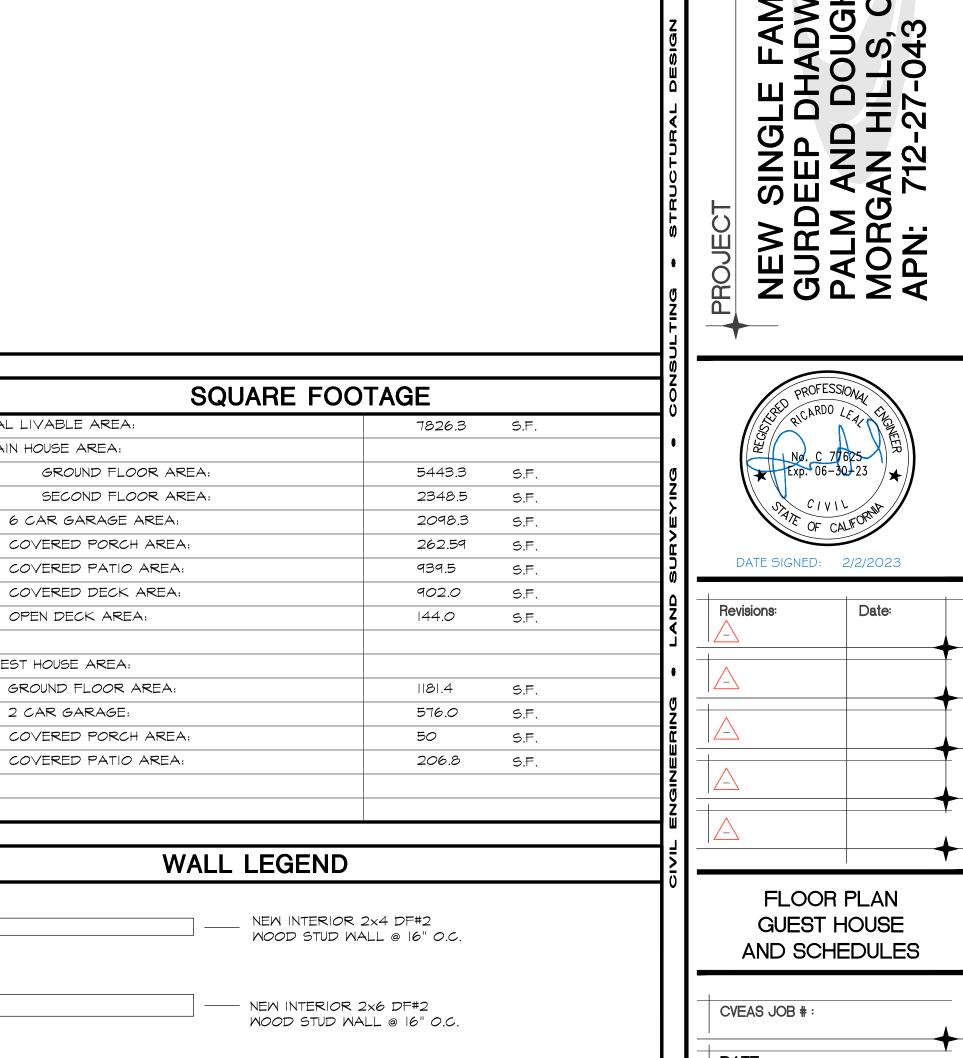


OTAL LIVABLE AREA:

GUEST HOUSE AREA:

2 CAR GARAGE:

MAIN HOUSE AREA:



DOUBLE DOOR

NEW EXTERIOR WALL 2x6 DF#2 WOOD STUD WALL @ 16" O.C. R-19 INSULATION (TYPICAL)(U.N.O) NEW I HOUR FIRE-RATE GARAGE WALL 2x6 DF#2 MOOD STUD WALL @ 16" O.C. W/ 5/8" GYPSUM TYPE "X" BETWEEN THE GARAGE AND DWELLING **INSULATION LEGEND** R-19 MALL INSULATION R-38 CEILING INSULATION

FLOOR PLAN - GUEST HOUSE

DATE: 2/2/2023 🛕 PLANNING SUBMITTAL #: PLAN CHECK SUBMITTAL #: XX-XXXX 🗼 DRAWN BY: CHECKED BY: SCALE:

CENTRAL VALLEY

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5050 HORIZONTAL BEDROOM #2 CARPET 5" HIGH WOOD BASE - SEE DETAIL IO/DI PAINTED DRYWALL (SEE NOTE #3 BELOW) PAINTED DRYWALL (SEE NOTE #3 BELOW) SLIDING WINDOW BEDROOM #3 CARPET 5" HIGH WOOD BASE - SEE DETAIL 10/DI PAINTED DRYWALL (SEE NOTE #3 BELOW) PAINTED DRYWALL (SEE NOTE #3 BELOW) 3'-0" 5" HIGH CERAMIC TILE COVED BASE INCLUDING PAINTED DRYWALL (SEE NOTE #3 BELOW) MASTER BATH CERAMIC TILE PAINTED DRYWALL (SEE NOTE #3 BELOW) TOE-KICK SPACES @ COUNTERS - SEE DETAIL #7/DI 5" HIGH CERAMIC TILE COVED BASE INCLUDING BATH #2 CERAMIC TILE PAINTED DRYWALL (SEE NOTE #3 BELOW) PAINTED DRYWALL (SEE NOTE #3 BELOW) TOE-KICK SPACES @ COUNTERS - SEE DETAIL #7/DI CARPET 5" HIGH WOOD BASE - SEE DETAIL 10/DI PAINTED DRYWALL (SEE NOTE #3 BELOW) PAINTED DRYWALL (SEE NOTE #3 BELOW) MALK-IN CLOSET 5" HIGH CERAMIC TILE COVED BASE INCLUDING

TOE-KICK SPACES @ COUNTERS - SEE DETAIL #7/DI

WEEP SCREED - SEE DETAILS ON SHEET DI

STEM WALL AT POST(S) AND BOX COLUMN(S)

PAINTED DRYWALL (SEE NOTE #3 BELOW)

STUCCO - SEE NOTE #4 BELOW

PAINTED DRYWALL (SEE NOTE #3 BELOW)

STUCCO - SEE NOTE #5 BELOW

MINDOW NOTES: ARCHED TOP CLEAR ALL WINDOWS ARE TO BE SUPPLIED BY OTHERS CLASSIC STYLE UNLESS NOTED OTHERWISE. DUAL PANE FIXED ALL WINDOWS SHALL BE INSTALLED TO HALF ROUND MANUFACTURER'S SPECIFICATIONS. HORIZONTAL SLIDER LOM-E FENESTRATION U-VALUES SHALL EQUAL OR BE METAL LESS THAN 0.52. MTRL MATERIAL 0BS OBSURED ALL WINDOWS WITHIN OF 24" EDGE OF ADJACENT PICTURE WINDOW DOOR(S) AND/OR WINDOW(S) SHALL BE TEMPERED RENAINNASSANCE

SLIDING WINDOW

4'-0"

. BOTTOM OF ALL WINDOWS WITHIN OF 18" HEIGHT

ALL WINDOWS ADJACENT TO A DOOR, WHERE EXPOSED EDGE IS WITHIN 24" ARC OR EITHER

VERTICAL EDGE OF THE DOOR.

OF FINISHED FLOOR SHALL BE TEMPERED GLASS.

REFER TO OPENING FLASHING DETAIL(S) ON SHEET

PRODUCTS) SHALL COMPLY WITH CAL-GREEN 5.505.4. DRYWALL WALL(S) AND CEILING(S) SHALL BE GLOSS OR SEMI-GLOSS FINISH. 3 COAT STUCCO FINISH - 7/8" MIN. THICKNESS OVER 17 GA. X I 1/2" HEXAGONAL PAPER-BACKED WIRE LATH OVER 2-LAYERS OF TYPE "D" PAPER UNDER-LAYMENT 3 COAT STUCCO CEILING FINISH - 7/8" MIN. THICKNESS OVER HI-RIB LATH OVER 2-LAYERS OF TYPE "D" UNDER-LAYMENT HARDIE-BACKER OVER DECTECH WATERPROOFING MEMBRANE OVER 1 1/8" EXTERIOR GRADE PLYWOOD. INSTALL PER MANUFACTURER'S INSTALLATION AND SPECIFICATIONS. PROVIDE 1/4" PER FOOT SLOPE TAPERED IN FLOOR JOIST OR FLOOR

ALL DECORATIVE MATERIALS SHALL BE OF NON-COMBUSTIBLE

ALL FINISHED MATERIALS (ADHESIVES, SEALANTS, CAULKS,

PAINTS, CARPET, RESILIENT FLOORING, COMPOSITE WOOD

OR APPROVED FLAME RETARDANT MATERIAL.

CONCRETE SLAB

LAUNDRY ROOM

COVERED PATIO

<u>NOTE</u>:

SINGLE HUNG

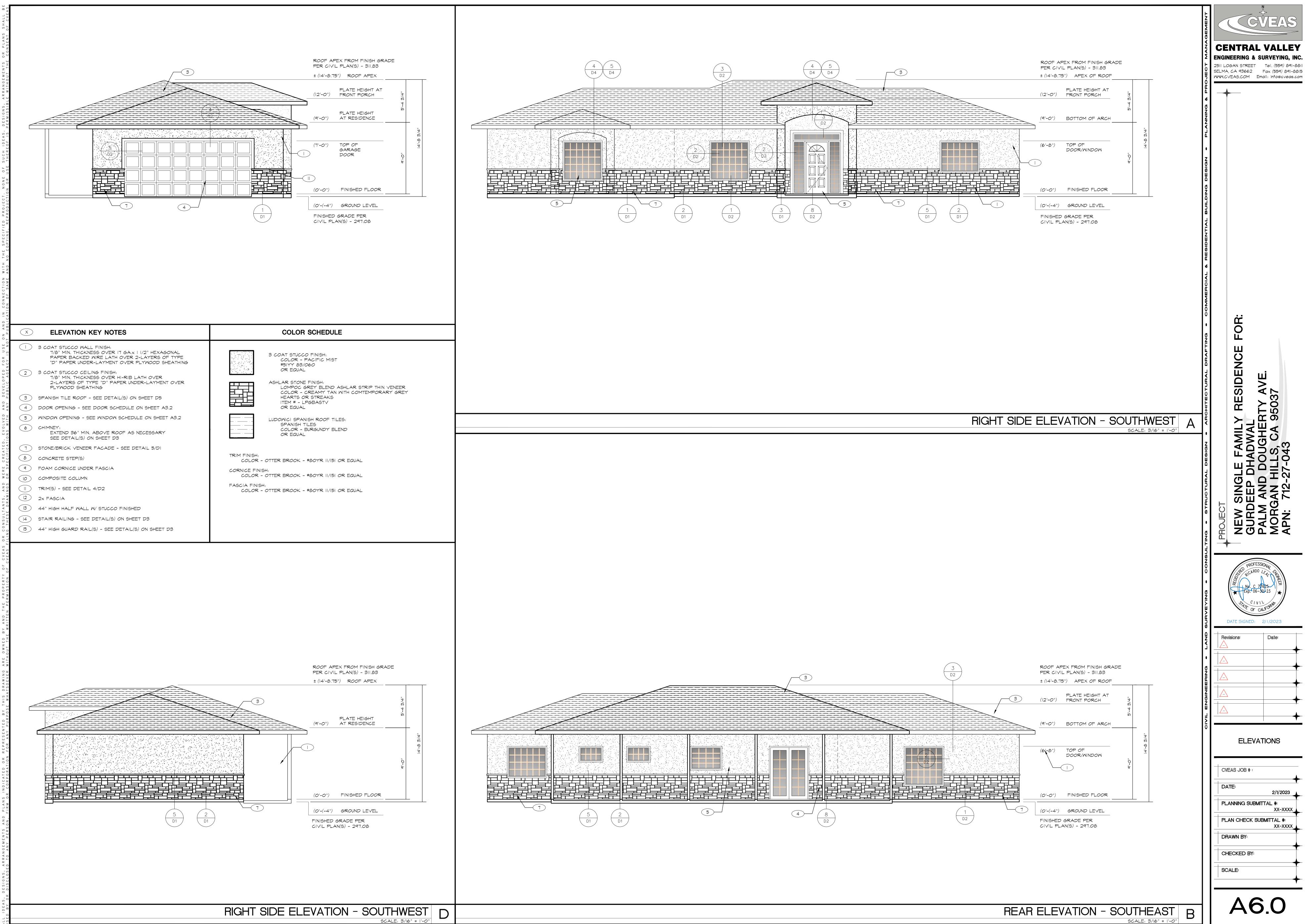
VINYL

MHITE

TEMPERED GLASS

TEMP

MHT



CENTRAL VALLEY ENGINEERING & SURVEYING, INC

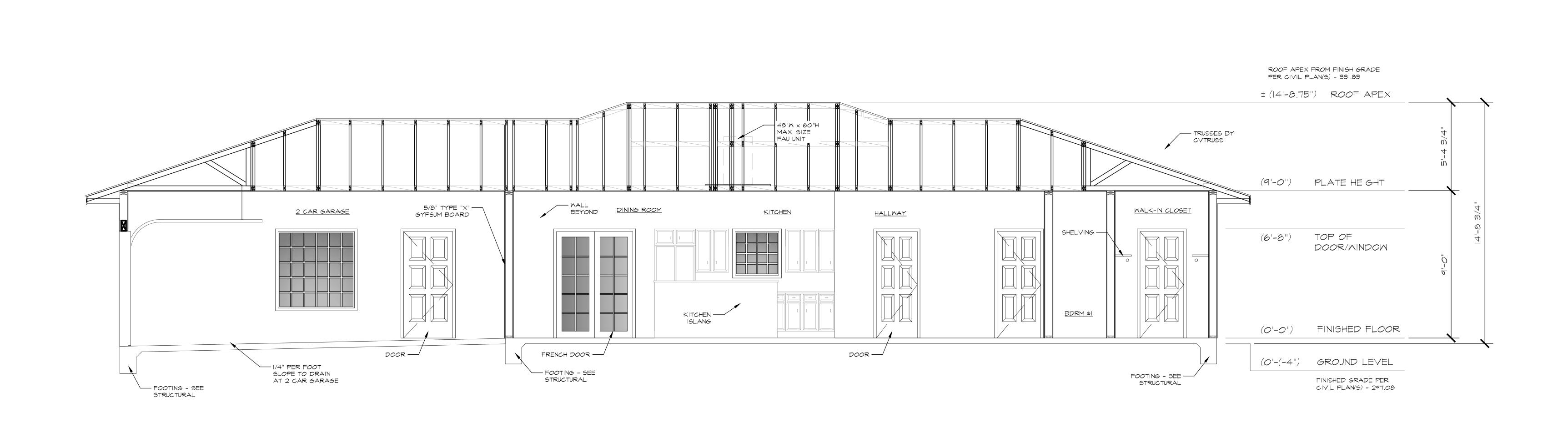
2511 LOGAN STREET Tel. (559) 891-8811

DATE SIGNED: 2/1/2023

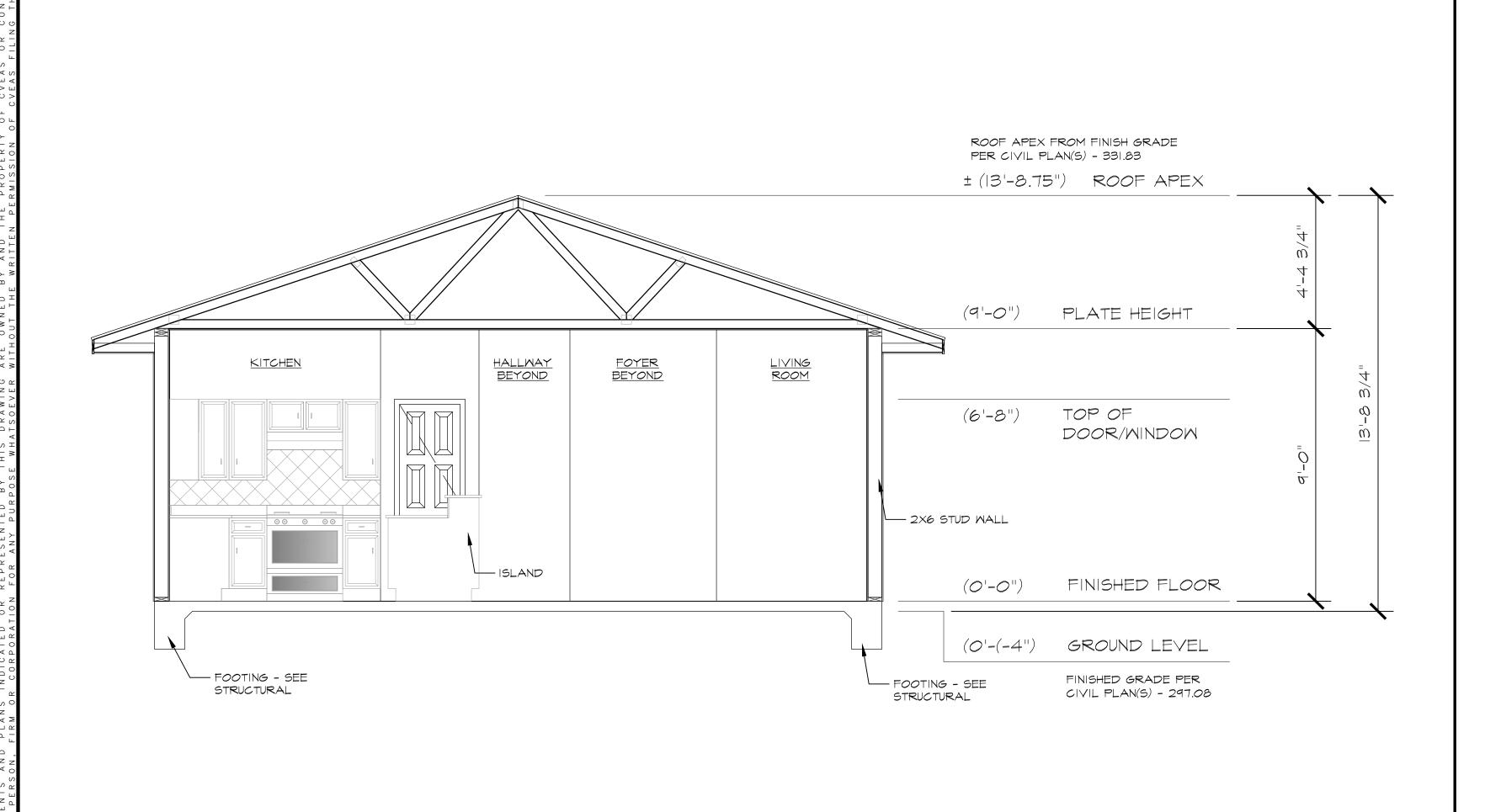
ELEVATIONS

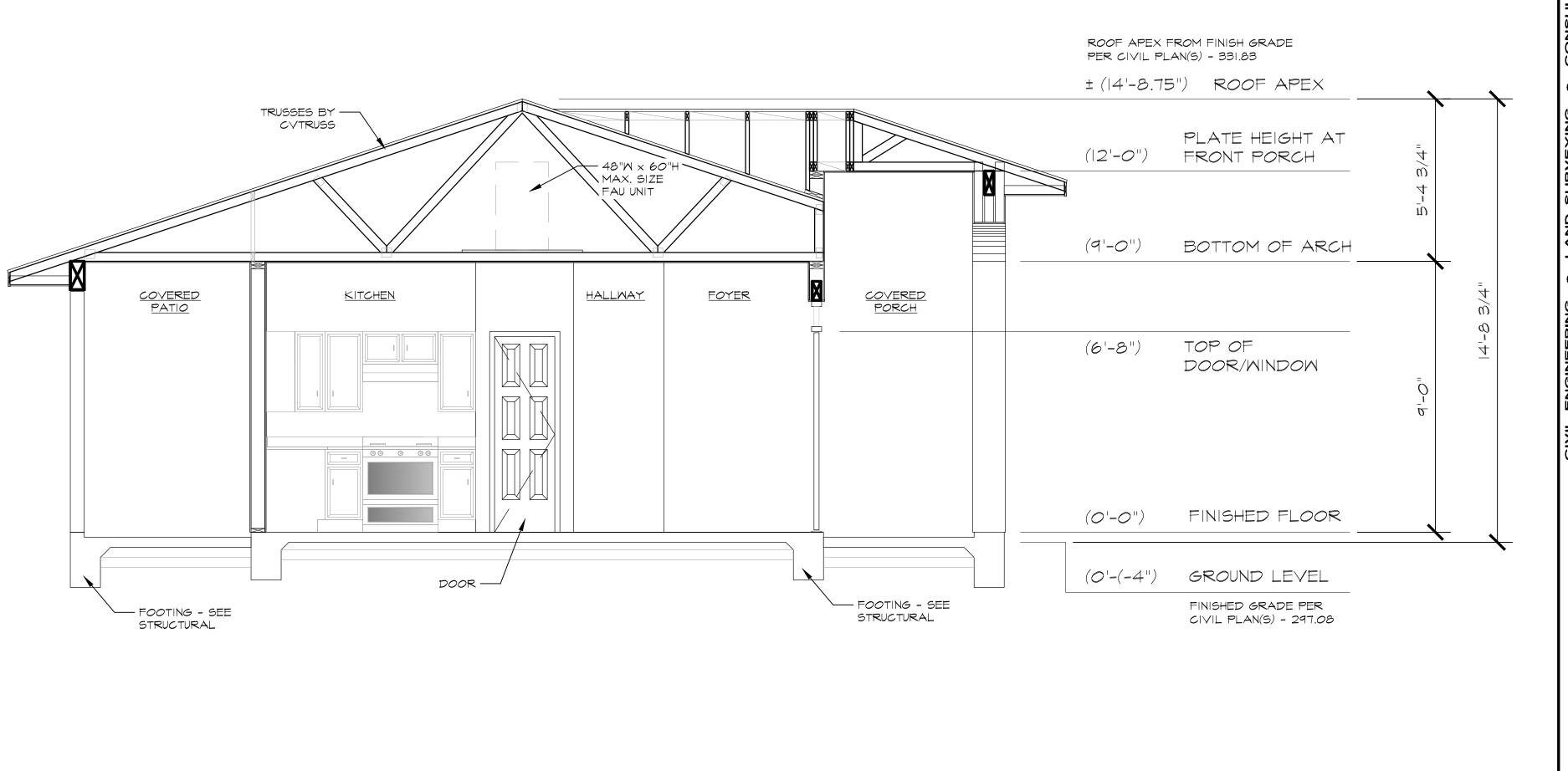
2/1/2023 PLANNING SUBMITTAL #: PLAN CHECK SUBMITTAL #:

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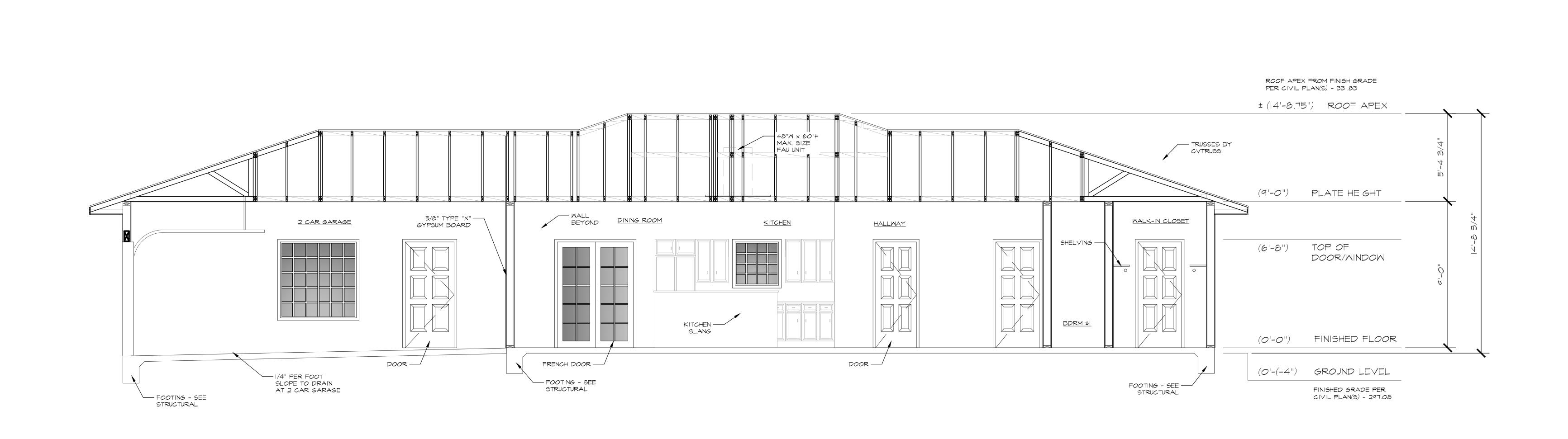
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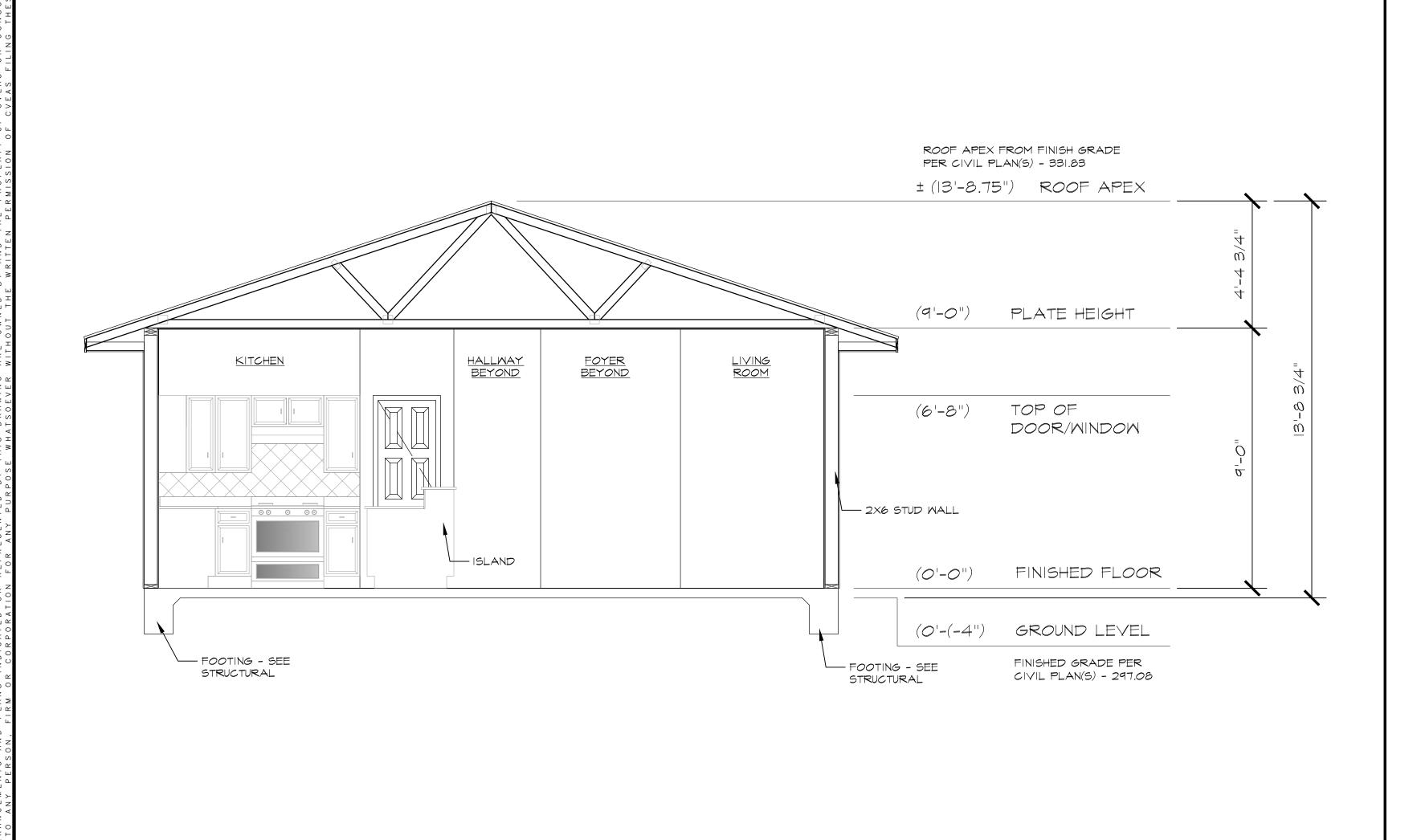
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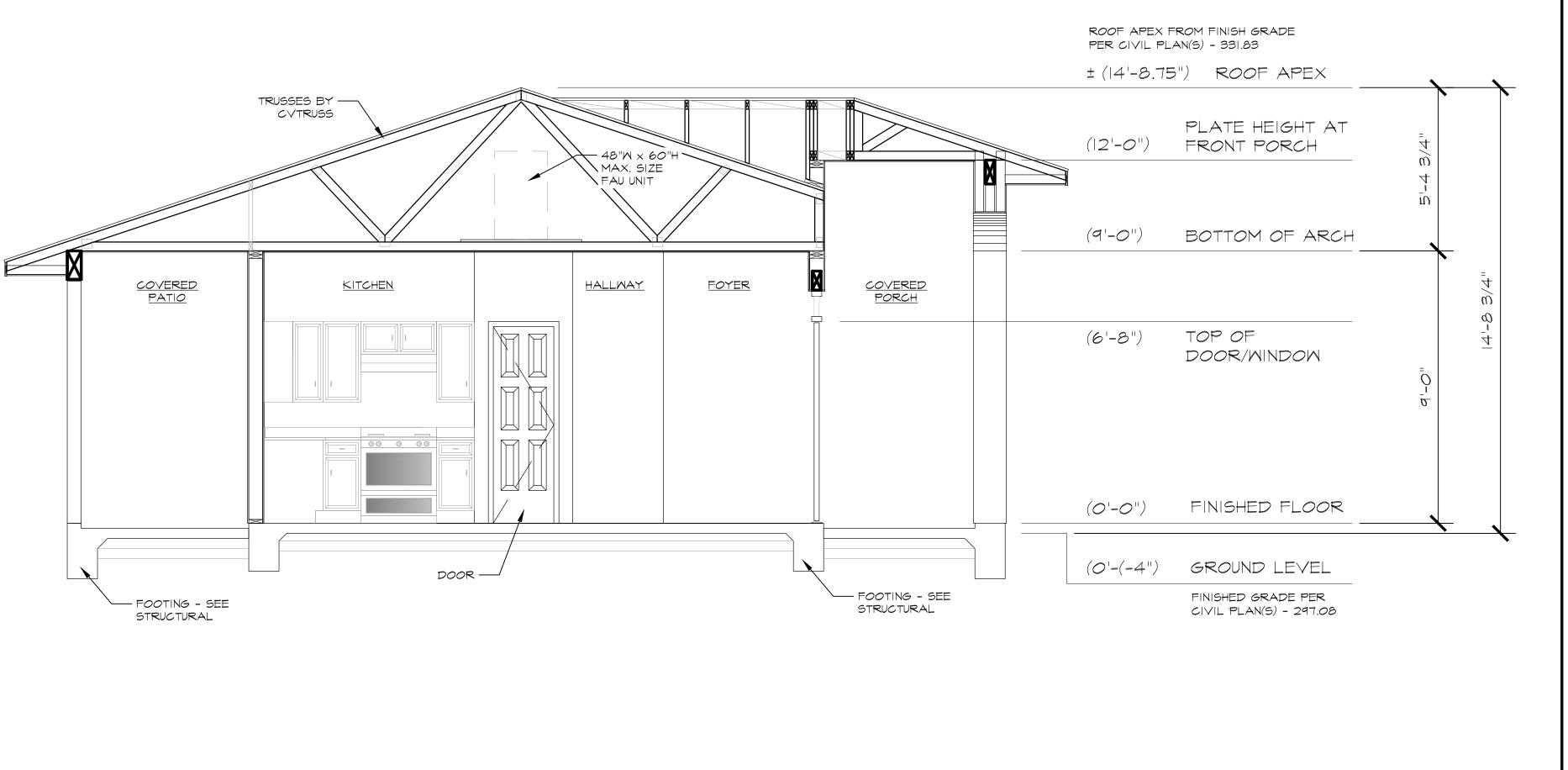
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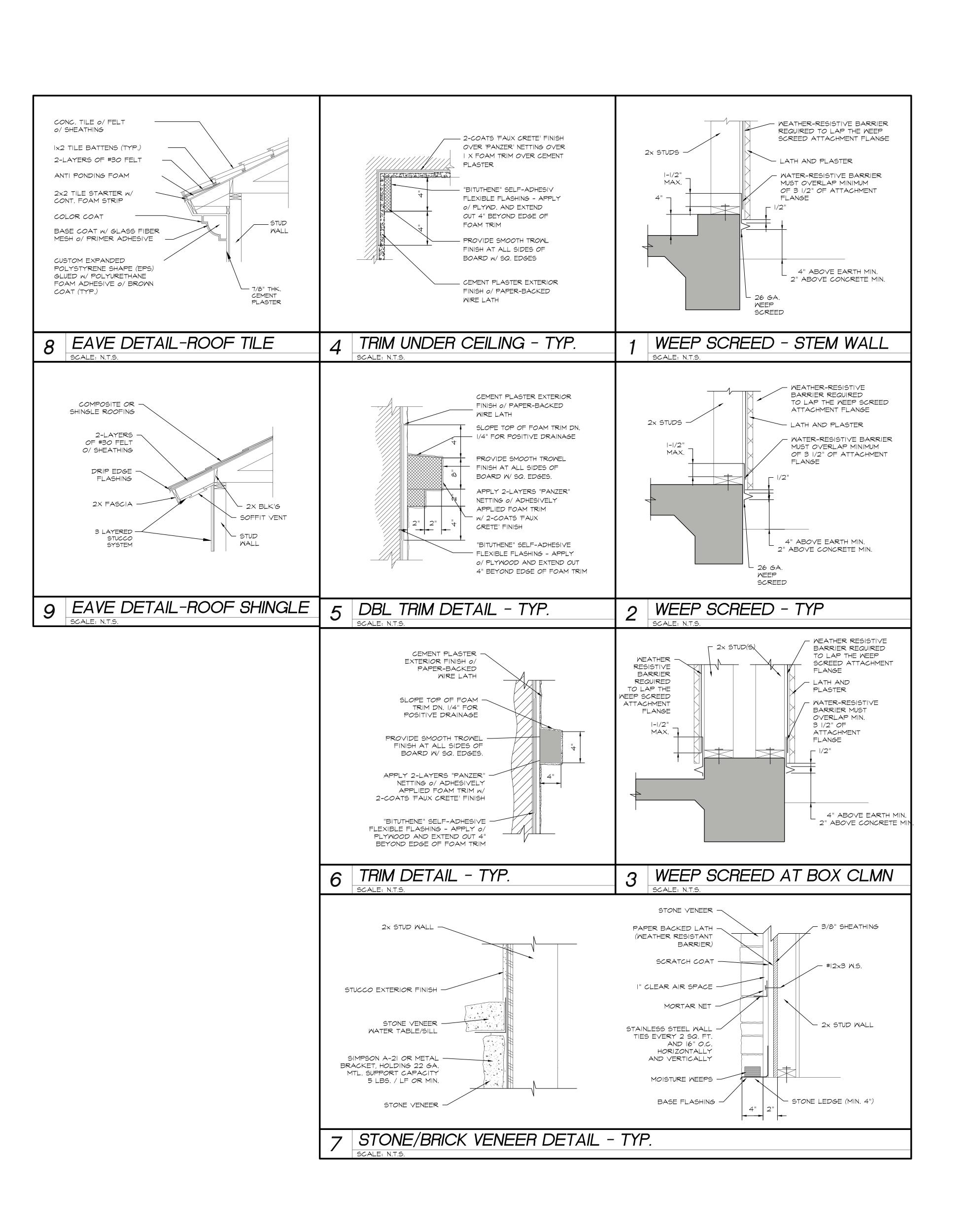
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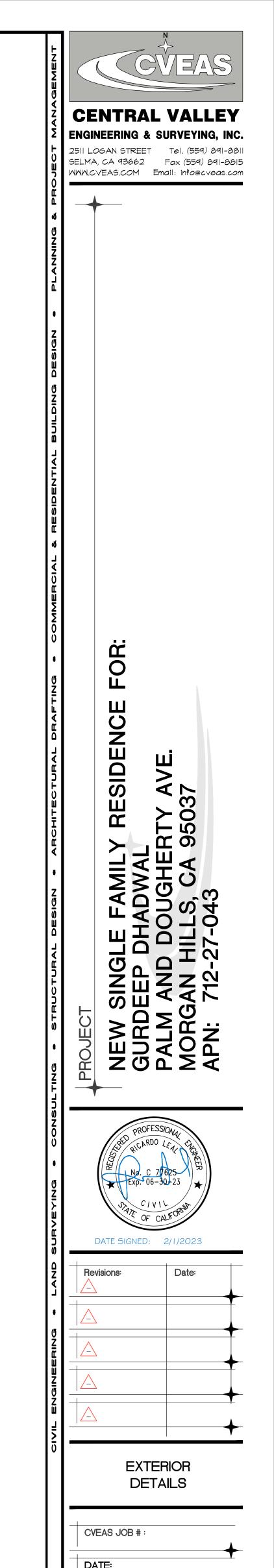
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CROSS SECTION C-C - GUEST HOUSE

CROSS SECTION B-B - GUEST HOUSE B



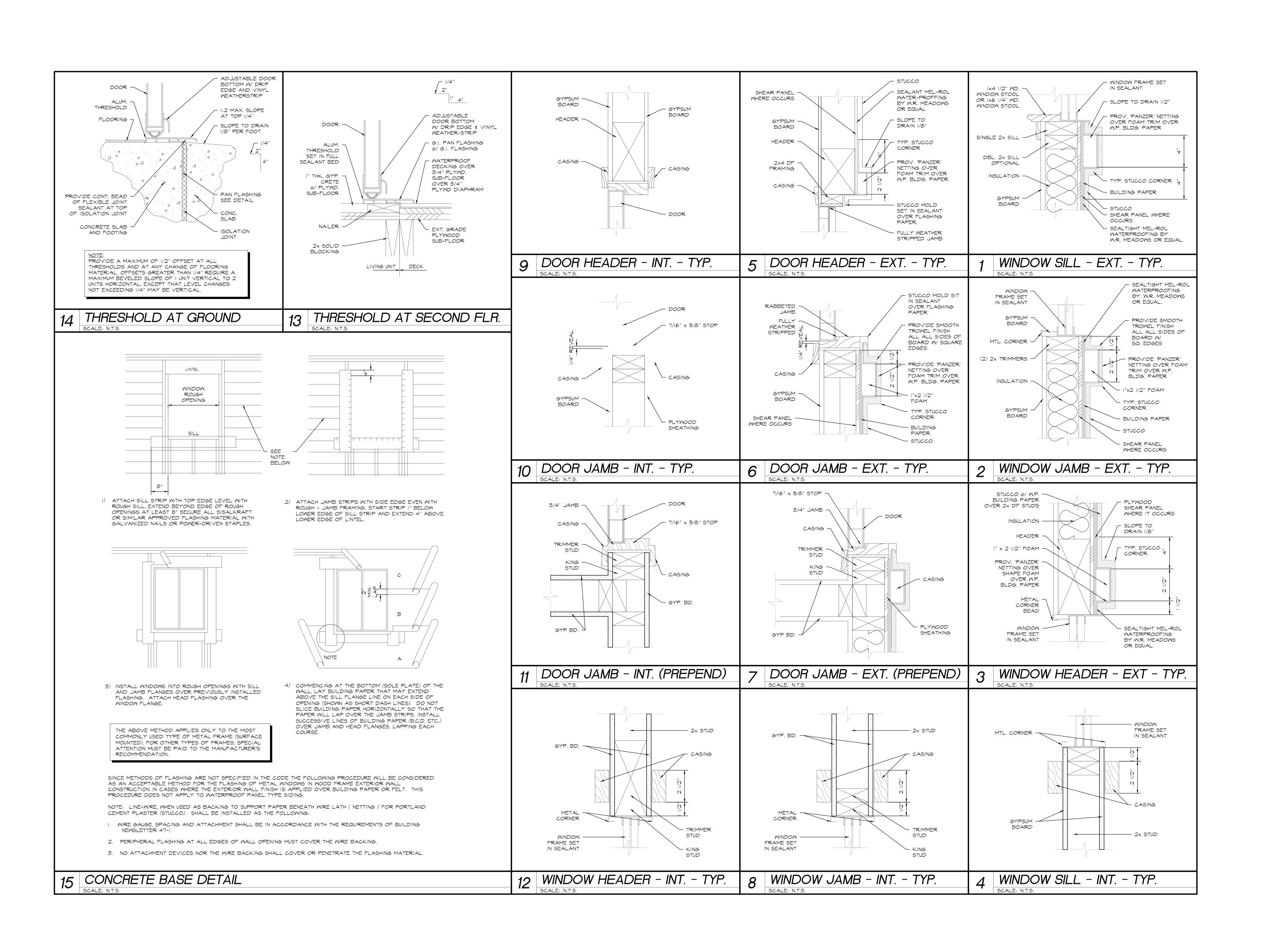


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NEW SINGLE FAMILY RESIDENCE FOR:
GURDEEP DHADWAL
PALM AND DOUGHERTY AVE.
MORGAN HILLS, CA 95037

OPENING DETAILS

DATE SIGNED: 2/1/2023

Revisions:

CVEAS JOB # :

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2/1/2023

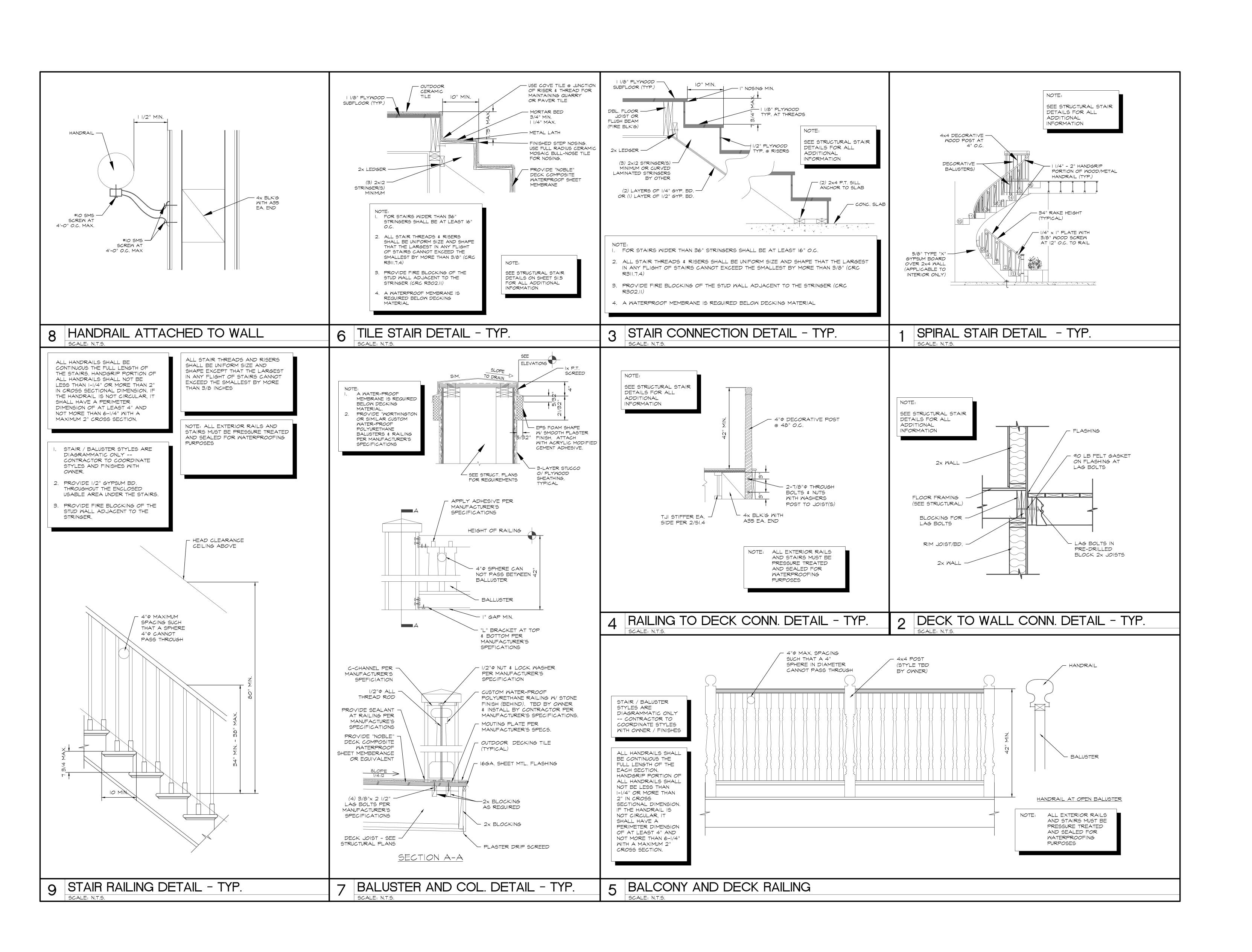
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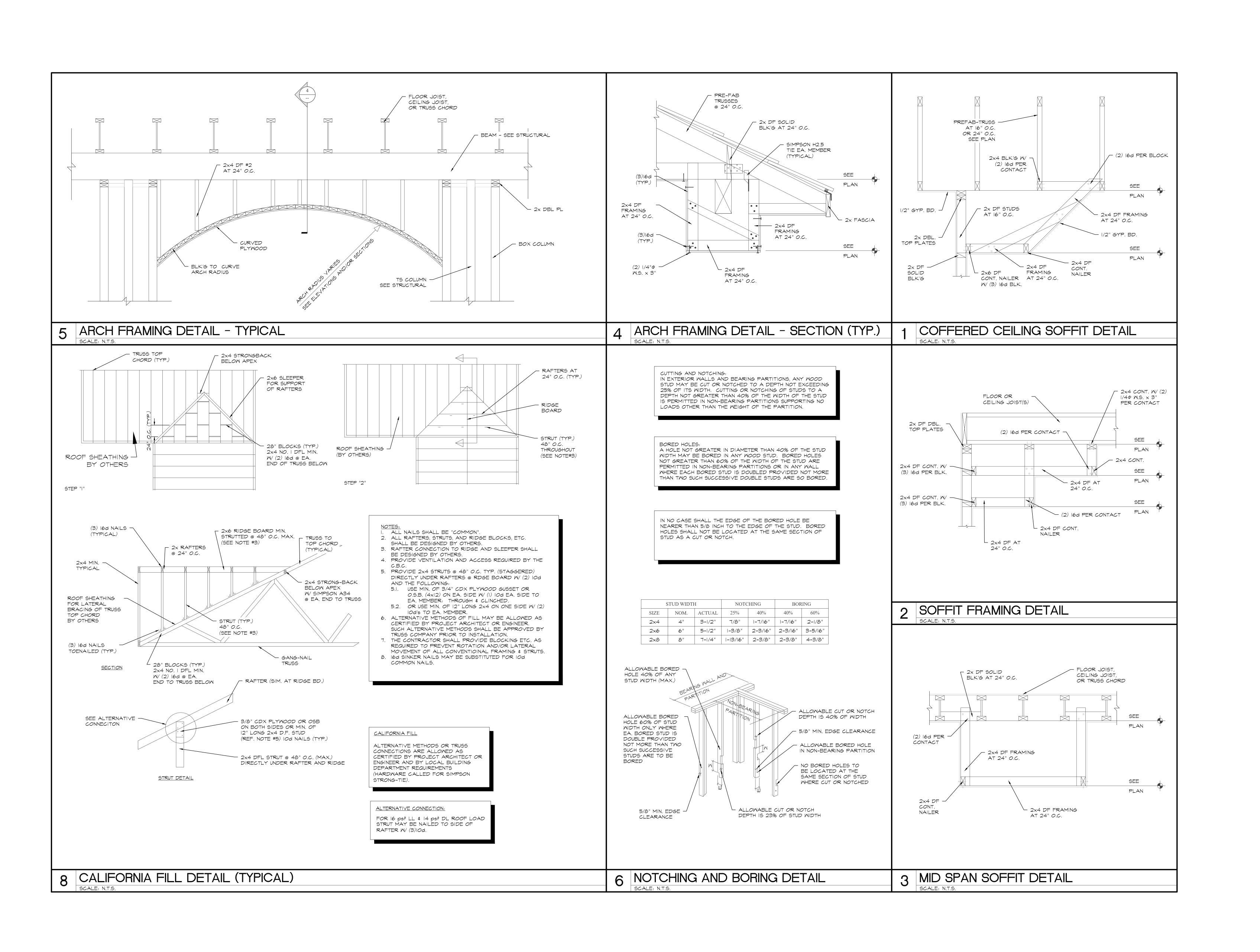
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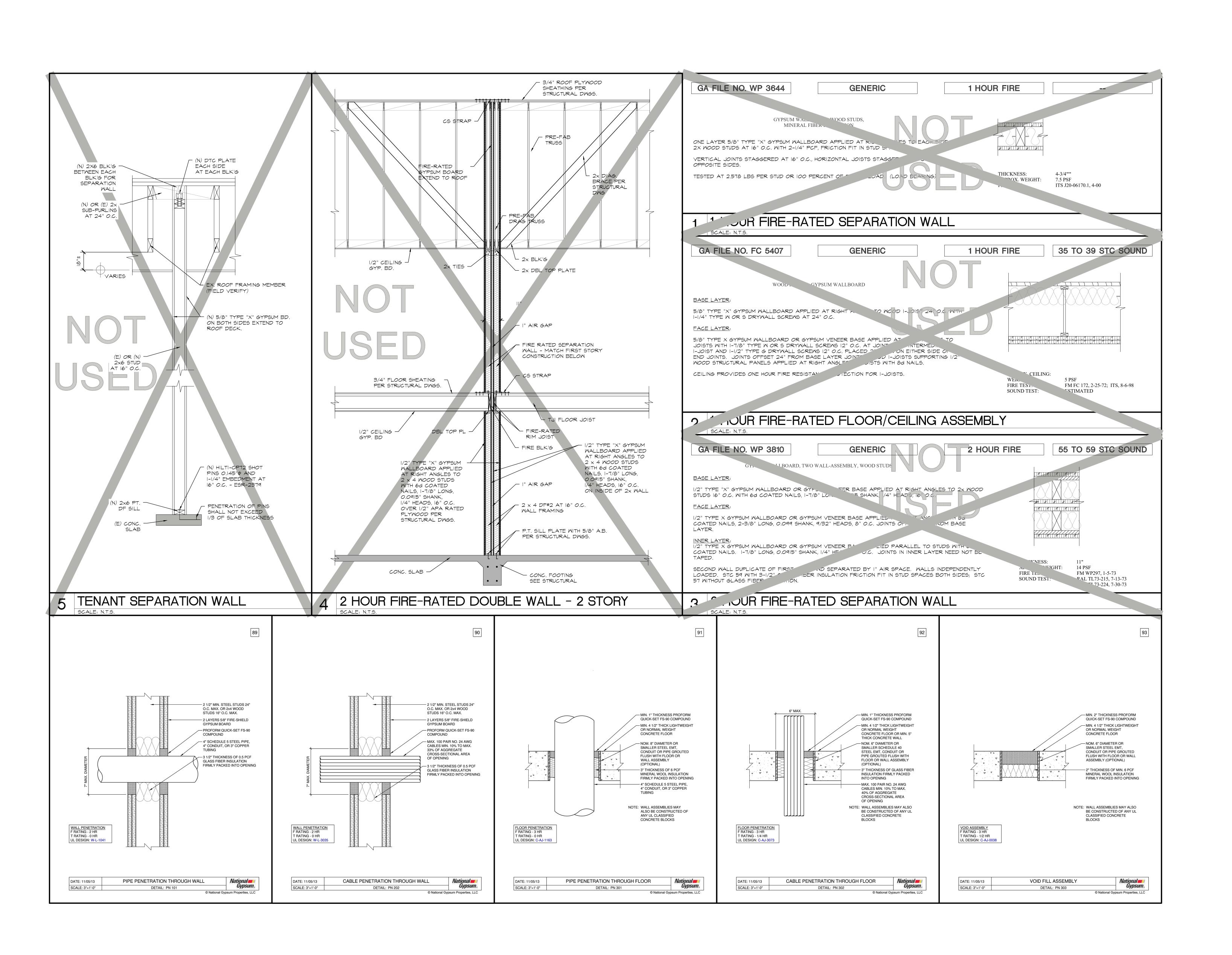
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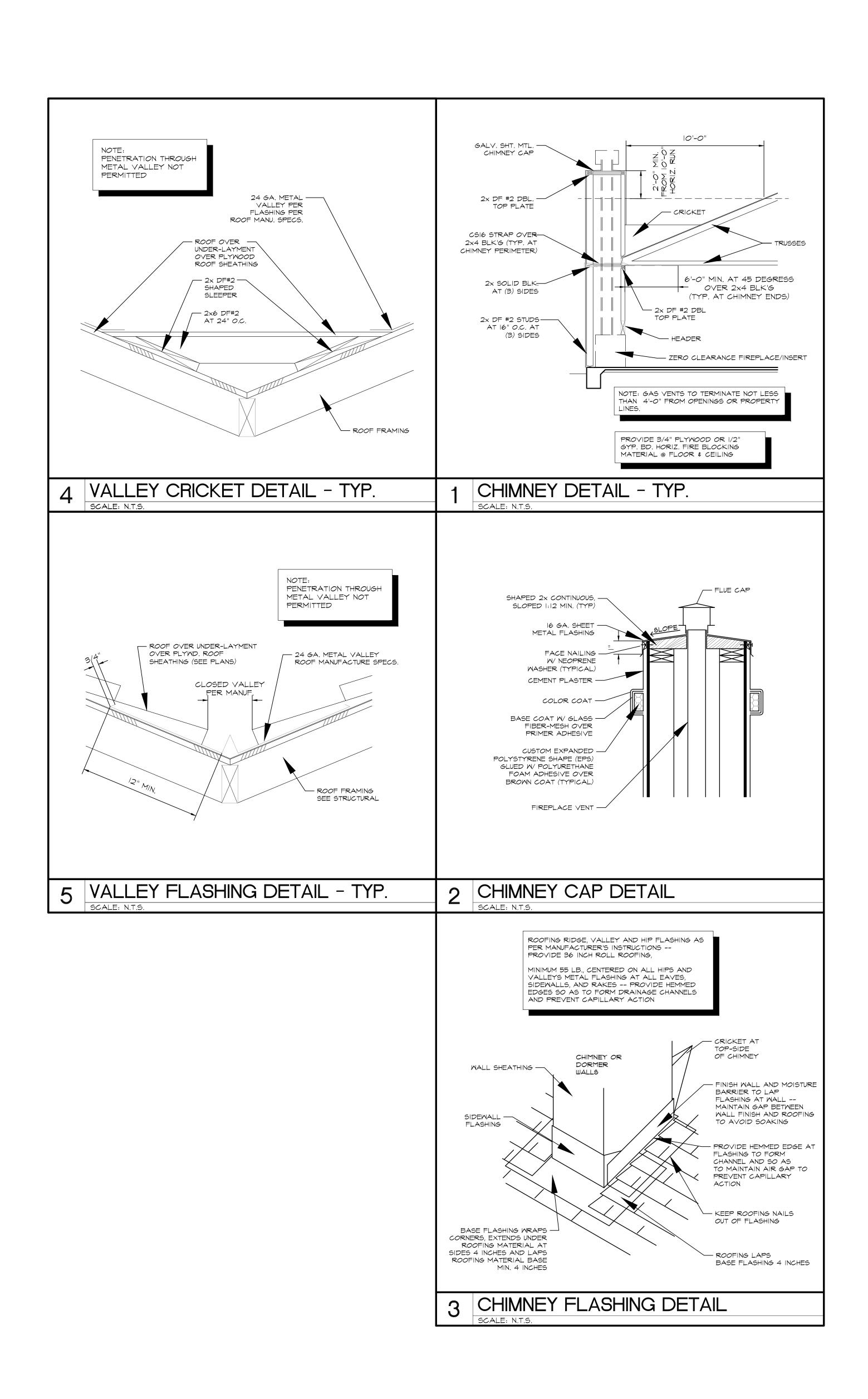
CENTRAL VALLEY SELMA, CA 93662 Fax (559) 891-8815 WWW.CVEAS.COM Email: info@cveas.com OR DENCE DATE SIGNED: 2/1/2023 Revisions: STAIRS AND RAILING DETAILS CVEAS JOB #: DATE: PLANNING SUBMITTAL #: PLAN CHECK SUBMITTAL #: CHECKED BY:

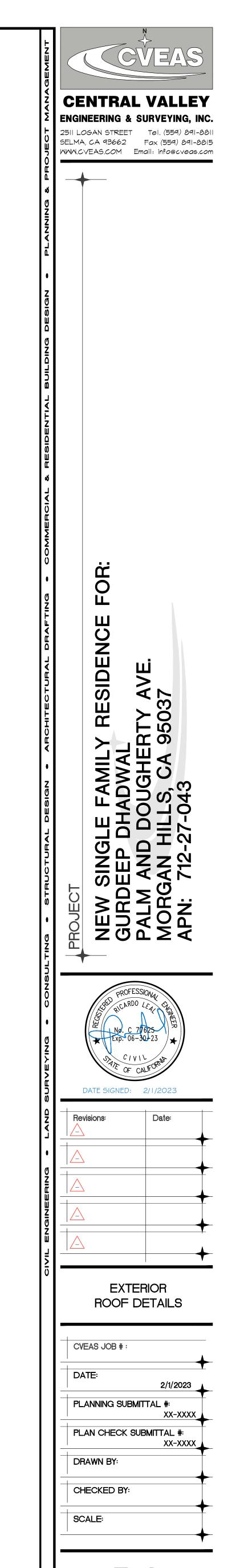


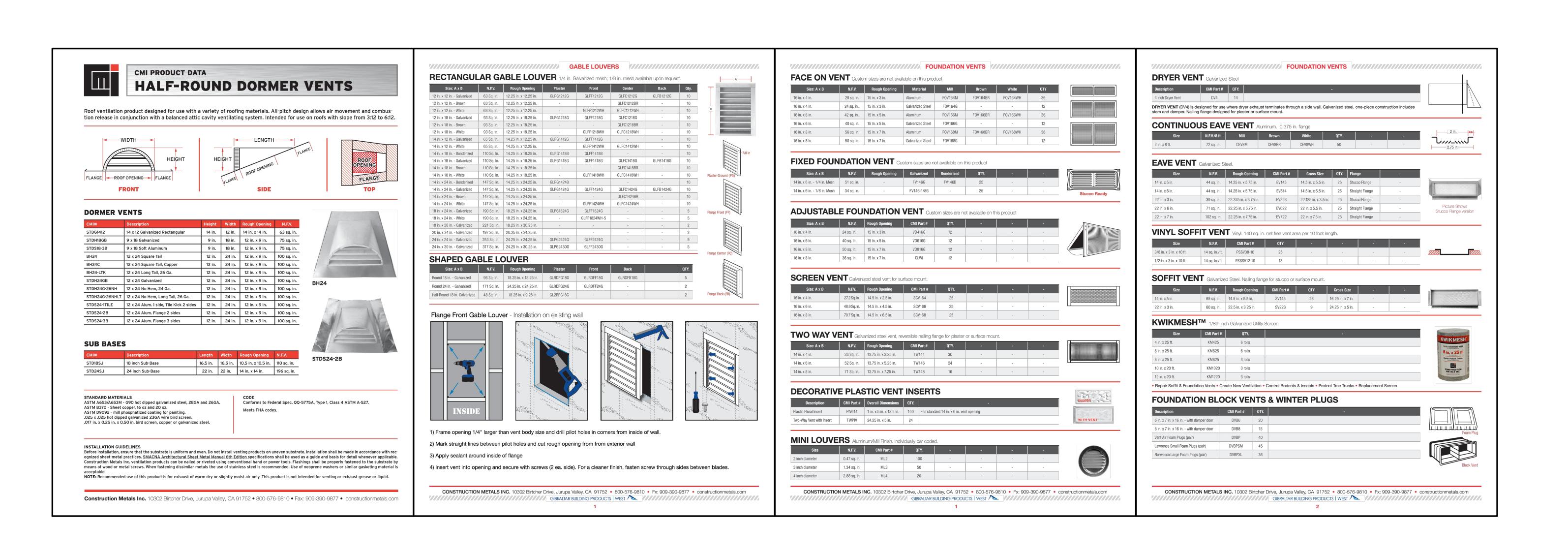
CENTRAL VALLEY SELMA, CA 93662 Fax (559) 891-8815 WWW.CVEAS.COM Email: info@cveas.com OR: DENCE EW S URDE ALM 10RG PN: DATE SIGNED: 2/1/2023 Revisions: ARCHES AND SOFFIT DETAILS CVEAS JOB #: PLANNING SUBMITTAL #: PLAN CHECK SUBMITTAL #: DRAWN BY: CHECKED BY:



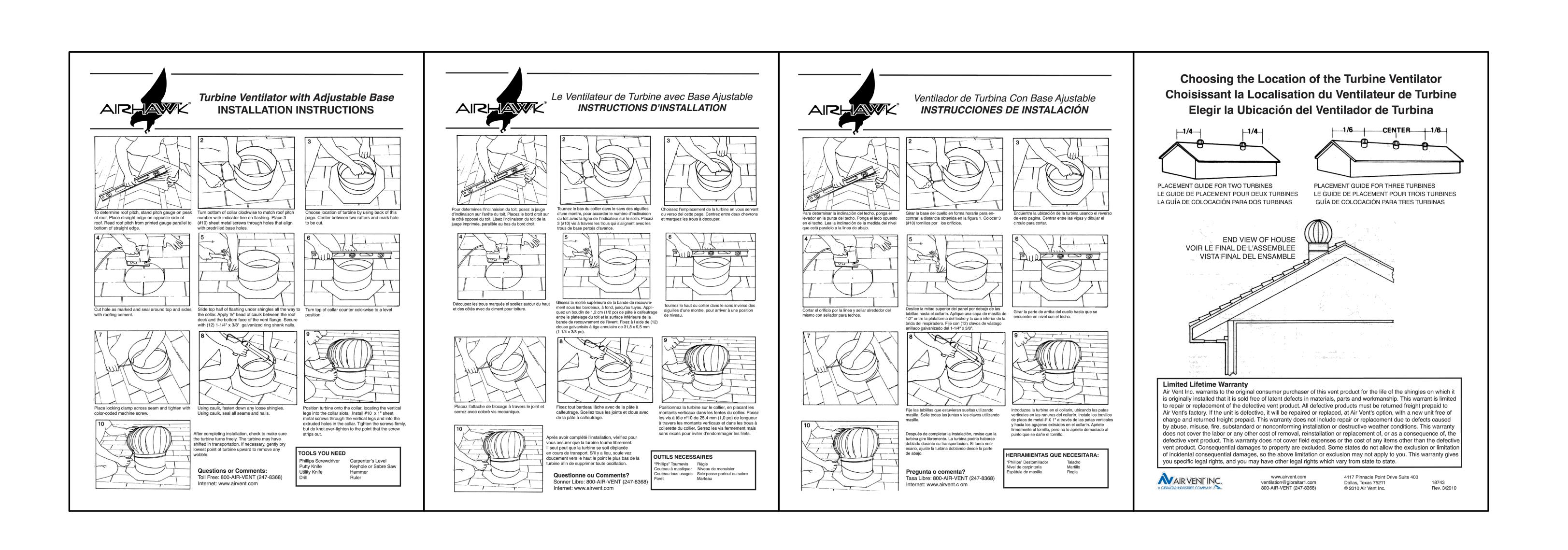
CENTRAL VALLEY ENGINEERING & SURVEYING, INC. 2511 LOGAN STREET Tel. (559) 891-8811 SELMA, CA 93662 Fax (559) 891-8815 MWW.CVEAS.COM Email: info@cveas.com DATE SIGNED: 2/1/2023 Revisions: FIRE-RATED **DETAILS AND SPECS** CVEAS JOB #: DATE: PLANNING SUBMITTAL #: PLAN CHECK SUBMITTAL #: DRAWN BY: CHECKED BY:



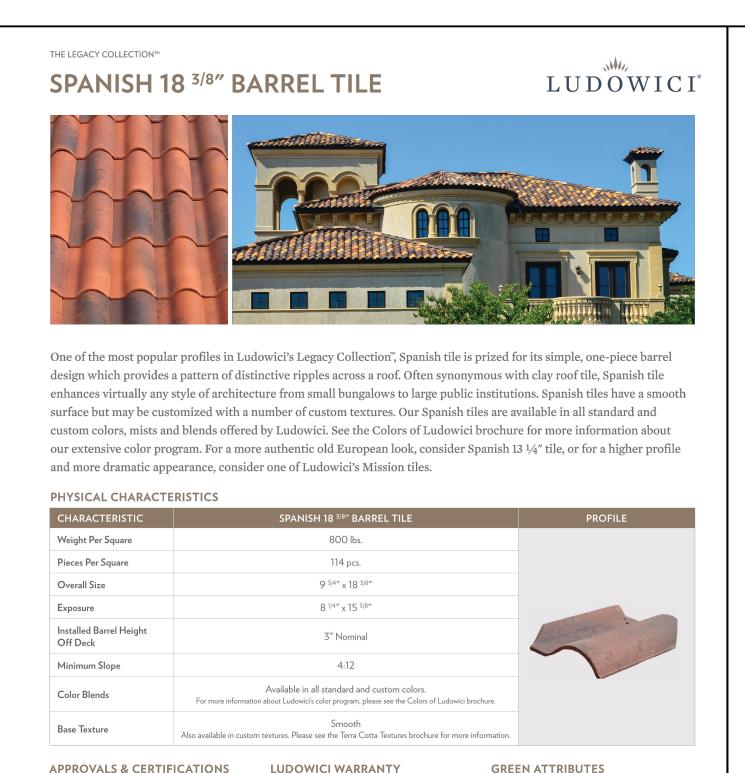




CMI PRODUCT VENT SPECS



SCALE:



All Ludowici tiles are manufactured in the

against color fading and manufacturing

defects. For complete warranty details,

please visit www.ludowici.com.

order. Ludowici reserves the right to alter and adjust products, colors and finishes at any time. Please contact a sales representative for more information.

United States and carry a 75-year warranty

Photos are for representation purposes only and should not be used for final product selection. Tiles ordered should be chosen from actual samples available at the time of

Ludowici terra cotta is an energy-efficient,

Learn more about our green story in the

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sustainable choice for your new roof.

Ludowici Green Promise brochure.

Miami-Dade NOA No: 12-0904.18

State of Florida Approval No: FL 13777

ASTM C1167 Grade 1 Roof Tile With

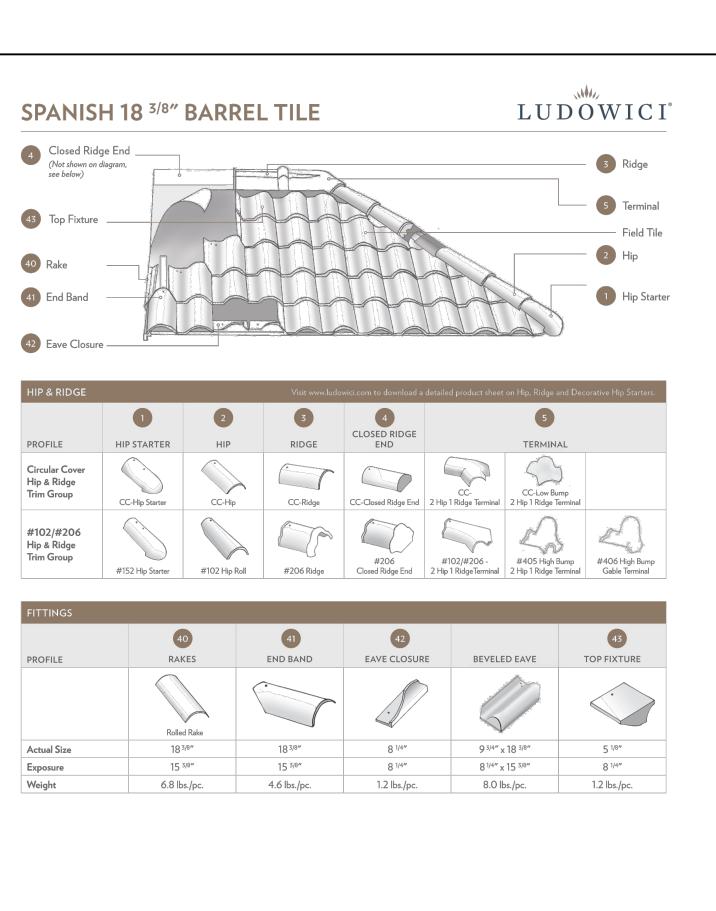
Water Absorption Less Than 2%

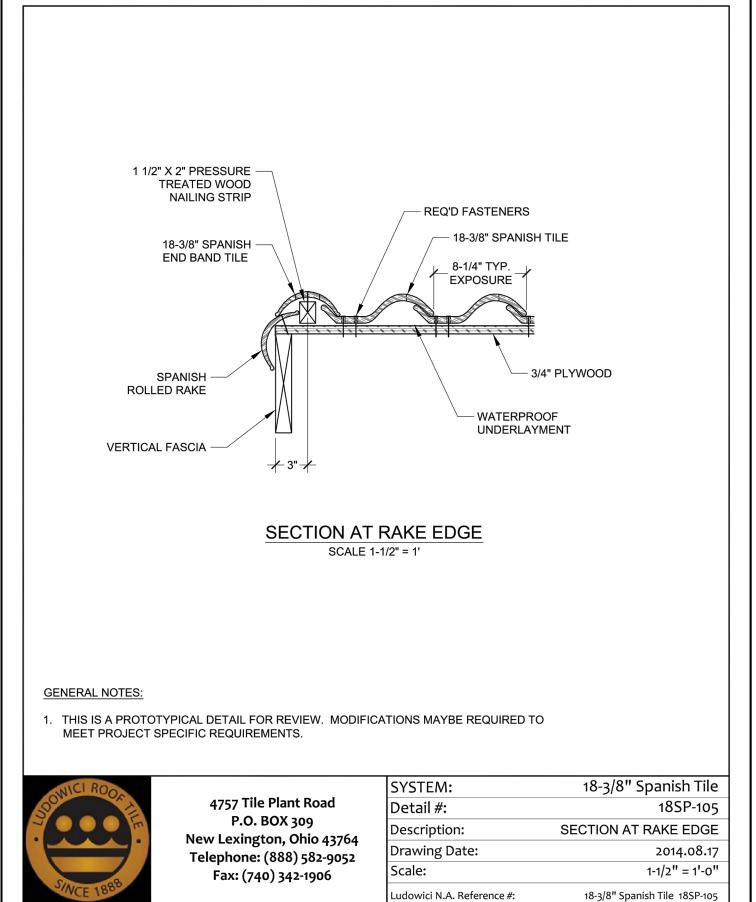
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ACCREDITED : ISO 9000:2008

Class A Fire Rated

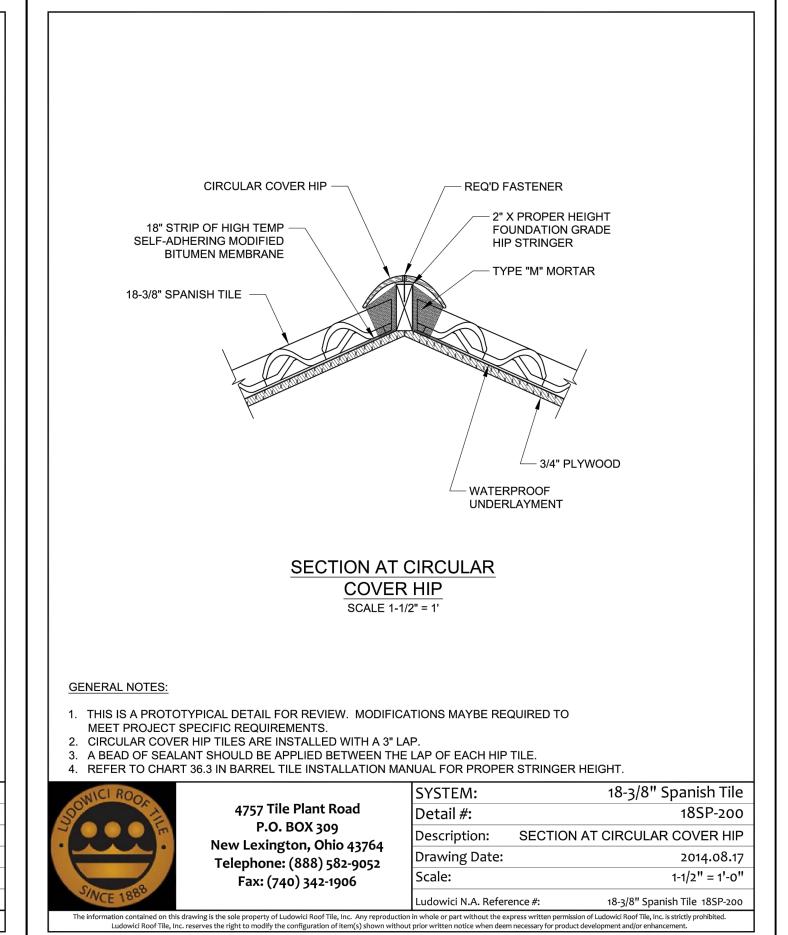
ICC-ESR 1646

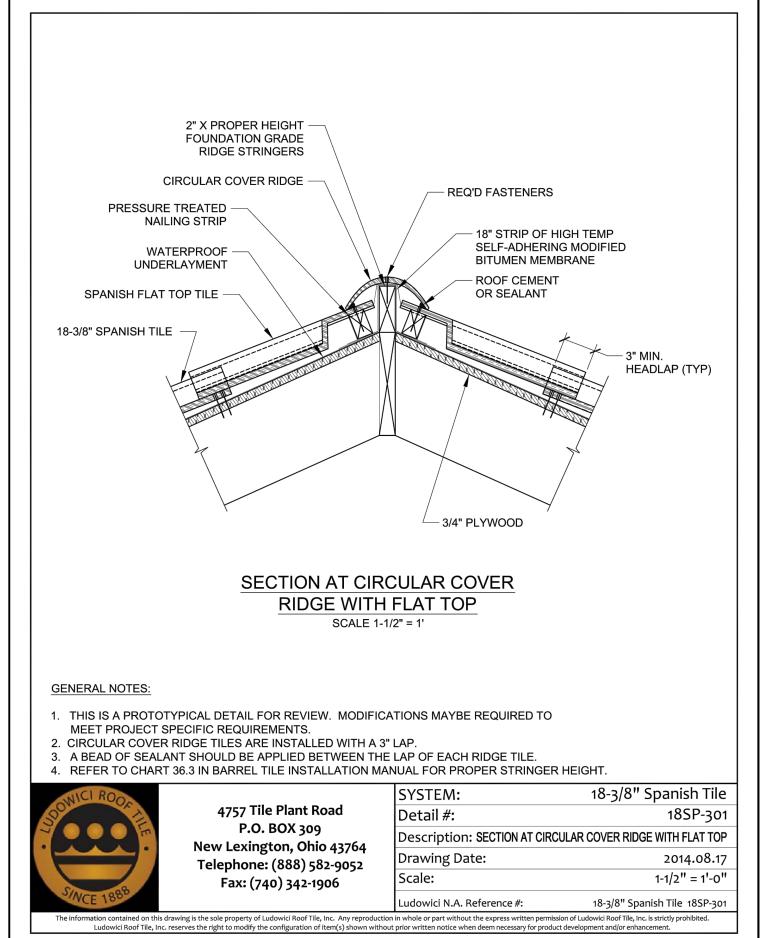


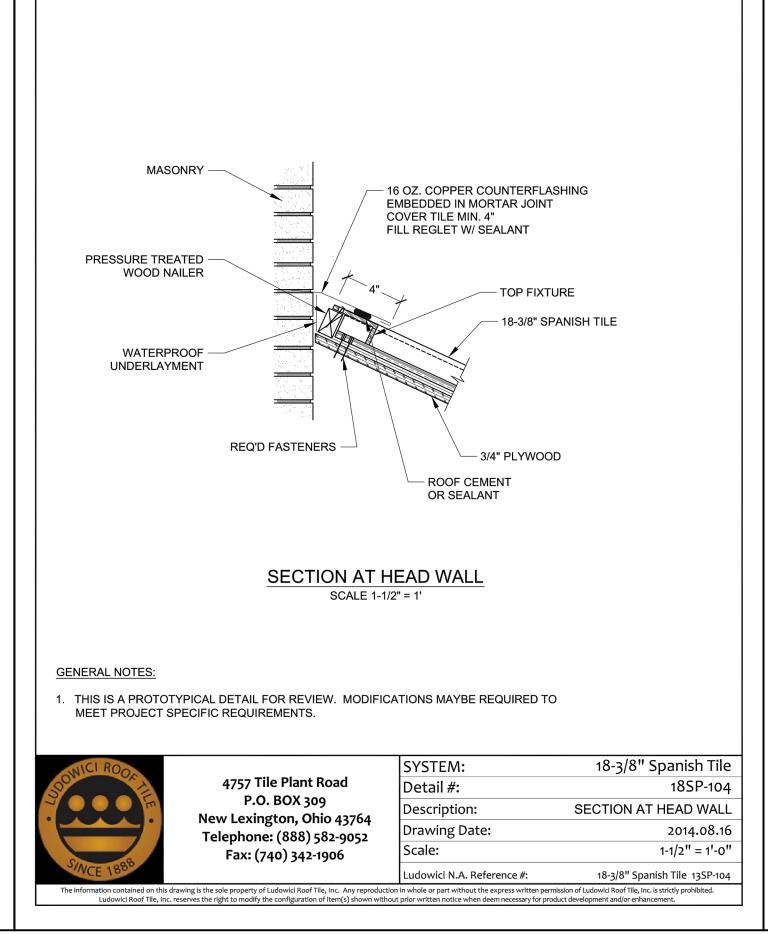


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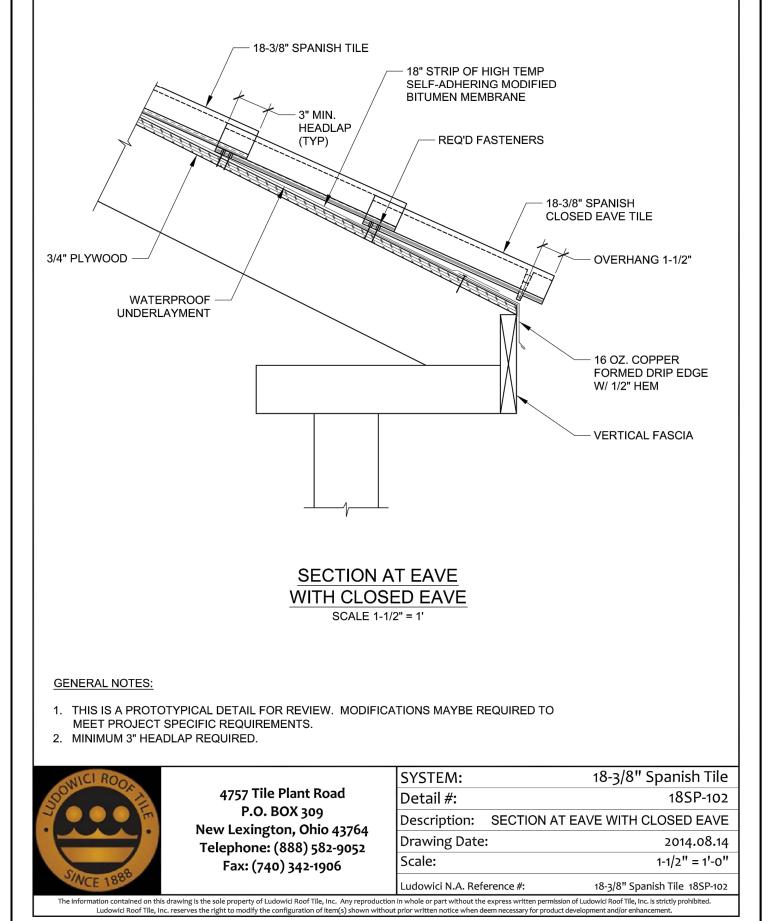


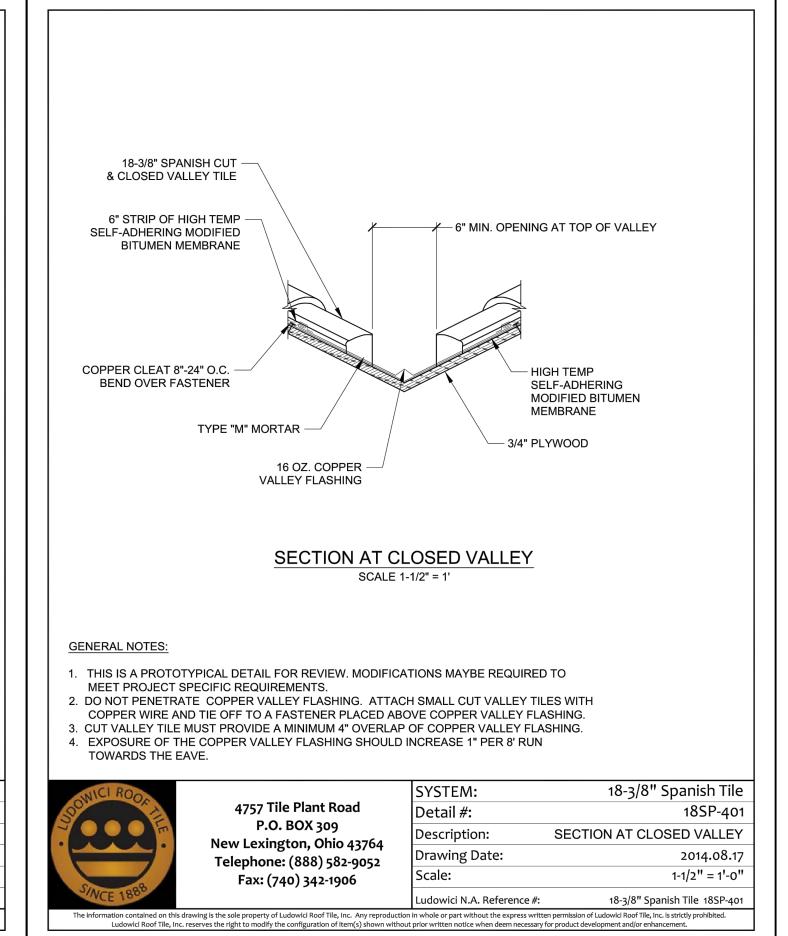


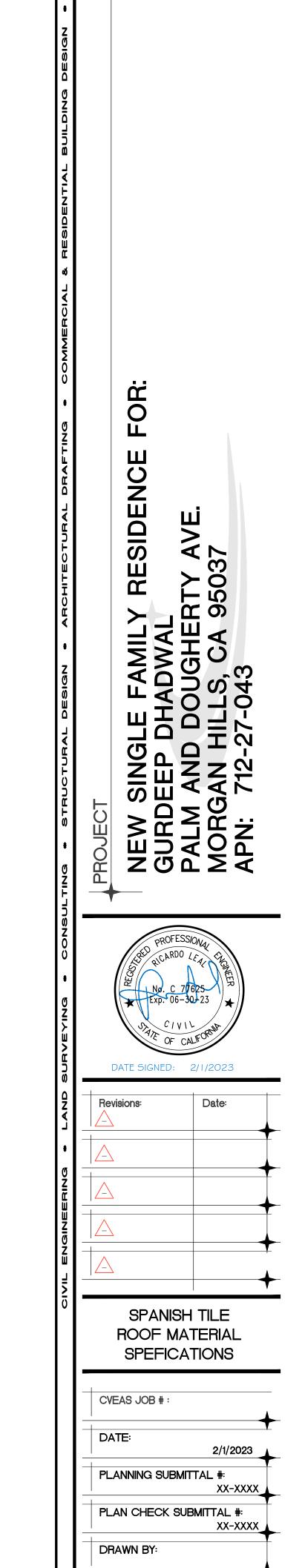


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LRT-504-0216







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^{CAT.} 3120B



PHOTO/ION SENSORS technologies for optimal sensing of smoke particles produced in both flaming and smoldering fires.

TWO LATCHING **FEATURES**

Alarm Latch: Remembers which unit initiated an alarm. **Low Battery Latch: Visually Identifies which** unit is in low battery condition. TWO SILENCE

FEATURES Alarm Silence: Silence an unwanted alarm for several minutes. Low Battery Silence: Temporarily silence low battery chirp for up to 8 hours.

OPTIPATH 360 TECHNOLOGY TO THE TECHNOLOGY T Provides 360 degrees of direct access

BATTERY BACKUP Two AA batteries provide power for the smoke alarm during power outages.

to the smoke sensing chambers.







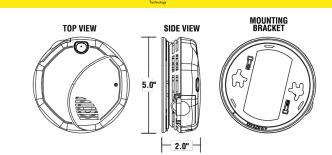
120V AC, 60Hz Wire-in with 3V (two 1.5V AA) Battery Backup

The BRK Model No. 3120B is a wire-in, 120V AC 60Hz single and/or multiple station photoelectric and ionization dual sensor smoke alarm specifically designed for residential and institutional applications including sleeping rooms of hospitals, hotels, motels, dormitories and other multi-family dwellings as defined in standard NFPA 101. Model 3120B complies with UL217, CSFM, NFPA 72, HUD, FHA and other agencies that model their codes after the above agencies. It meets building codes where AC/DC photoelectric and ionization combination smoke alarms are required.

The BRK 3120B is a state-of-the-art hardwired with battery backup smoke alarm that features dual photoelectric and ionization smoke sensing technologies. This alarm features two latching features and two silence features. Alarm Latch: Easily identifies initiating alarm even after alarm condition has subsided. Low Battery Latch: Identifies which unit is in low battery condition by blinking the green power light. Low Battery Silence: Temporarily silence the low battery chirp for up to eight hours. Alarm Silence: Silence alarm for several minutes. Other features include an 85dB horn, single button test/silence, an easy access battery drawer and dust cover. OptiPath 360 Technology: Exclusive patented technology provides 360 degrees of direct access to the smoke sensor. Two locking features are provided to prevent battery theft and/or theft of the unit. Connection to AC power is made with a Quick-Connect wiring harness. Installation is quick, easy and cost



CAT. 3120B



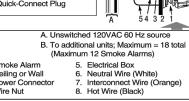
ARCHITECTURAL AND ENGINEERING SPEC The smoke alarm shall be a BRK Model 3120B and shall provide at a minimum the

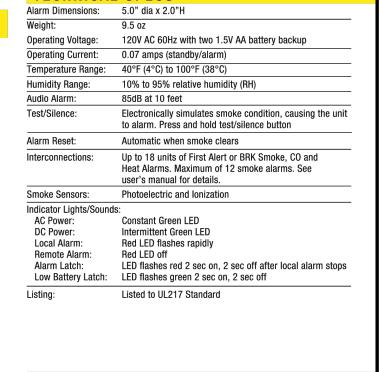
following features and functions: 1. Two smoke sensing chambers - photoelectric and ionization.

- 2. Powered by 120V AC, 60Hz and have a monitored battery backup and a solid state piezo horn rated at 85dB at 10 ft. and shall be capable of self restoring. 3. A visual power-on indicator to confirm unit is receiving AC power or has switched to battery backup mode. 4. Two Latching features: Alarm Latch to easily identify initiating alarm after alarm condition has subsided. Low battery latch: to visually identify which unit is in low
- battery condition. Two Silence Features: Alarm Silence to temporarily silence nuisance alarms. Low Battery Silence to silence low battery chirp for up to 8 hours. 5. Two Locking features - tamper resistant locking pins that lock battery drawer and/or alarm to mounting bracket.
- 6. The unit shall be capable of operating between 40°F (4°C) and 100°F (38°C) and relative humidity between 10% and 95%. 7. The unit shall have a plug in connector and be capable of interconnection of up to 18 alarms, 12 of which can be smoke alarms. 8. The unit shall have a gasketless base for easy installation and be capable of
- keeping alarm secure over a wide rotation range to allow for true alarm 9. The unit shall at a minimum meet the requirements of UL217, CSFM, NFPA 72 and the ICC.

INSTALLATION OF ALARM Installation of this smoke alarm must conform to all local electrical codes and Article 760 of the National Electrical Code (NFPA 70) and NFPA 72. Interconnected units must meet the following requirements: wire gauge to be per local codes. It is







SHIPPING SPECS	3:
Individual Carton Dimensions	5.13"L x 2.38"W x 5.13"H
Weight	0.73 lbs.
Cube	0.04 ft3
UPC	0 29054 00710 0
Master Carton Dimensions	10.75"L x 7.88"W x 11.06"H
Master Pack	12
Weight	9.3 lbs.
Cube:	0.54 ft3
I2of5:	200 29054 00710 4
Pallet Information	
Cases per Layer	22
Number of Layers:	4
Cases per Pallet:	88
Units per pallet:	1,056
Cube:	54.0 ft3
Weight:	879 lbs.
BATTEDY DRAWER	LOCK

Close Door. Insert Pin in Holes



SMOKE DETECTORS

SMOKE & CO COMBO ALARM

^{CAT.} SC9120B



10YR CO SENSOR

10YR ALARM LIFE

SMOKE & CO COMBO Electrochemical CO sensor; Ionization smoke sensor.

LATCHING ALARM **INDICATOR** Remembers which unit initiated an alarm.

SILENCE FEATURE Silences nuisance alarms.

END OF LIFE SIGNAL Provides audible notice when alarm needs to be replaced after 10 years.



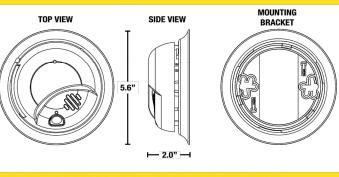
120V AC, 60Hz Wire-in with 9V Battery Backup

The BRK Brands, Inc. model SC9120B is a wire-in, 120V AC 60Hz single and/ or multiple station smoke and CO alarm specifically designed for residential and institutional applications including sleeping rooms of hospitals, hotels, motels, dormitories and other multi-family dwellings as defined in standard NFPA 101. The SC9120B complies with UL217, UL2034, CSFM, NFPA 72, NFPA 720, HUD, FHA and other agencies that model their codes after the above agencies. They meet building codes where AC/DC with Silence smoke and CO alarms are required either separately or in combination. The alarms are interconnectable with up to 18 devices, of which 12 can be smoke alarms.

The BRK® SC9120B alarm features a dual ionization smoke sensing chamber and an electrochemical carbon monoxide sensor, an 85dB horn and a "silence" feature. "Intelligent Sensing Technology" system is designed to reduce nuisance alarms. "Latching Alarm Indication" remembers which unit initiated an alarm. When interconnected in a series, the unit that triggered the alarm rapidly flashes its red LED indicator. After the alarm condition subsides, the initiating unit will store in memory or "latch" the information and begin to flash the LED indicator 2 seconds on, 2 seconds off. The "Perfect Mount" system features a gasketless base and a mounting bracket that keeps the alarm secure over a wide rotation range to allow for true alignment. Other Contractor Preferred features include a dust cover to keep alarm clean during construction, keyhole slots in the mounting bracket eliminate the need to remove the electrical box screws for installation. Two locking features are provided to prevent battery theft and/or theft of the unit. Connection to AC power is made with a "Quick-Connect" wiring harness. Installation is quick,



^{CAT.} SC9120B



ARCHITECTURAL AND ENGINEERING SPEC The combination smoke and CO alarm shall be a BRK Model SC9120B and shall provide at a minimum the following features and functions: An ionization smoke sensing chamber and an electrochemical CO sensor both with a

. Powered by 120V AC, 60Hz and have a monitored 9V battery backup and a solid state piezo horn rated at 85dB at 10 ft. and be capable of self restoring.

The unit shall perform self diagnostic tests and issue a malfunction warning (three chirps) if the unit malfunctions. . The unit shall have an "End of Life" signal (5 chirps). This signal should be capable of temporarily being silenced for up to 2 days. After about 2 days, the signal will resume. After about 2-3 weeks the signal cannot be silenced.

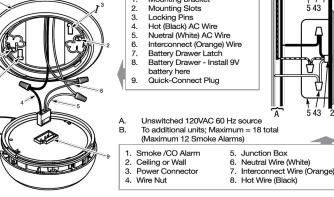
. A visual power-on indicator to confirm unit is receiving AC power or has switched to battery backup mode. Separate LED 's to indicate a smoke or CO alarm. The CO sensor is adjusted not to detect CO levels below 30 PPM and will not alarm when exposed to constant levels of 30 PPM for 30 days. It will alarm at the following levels: 400 PPM CO between 4 and 15 minutes, 150 PPM CO between 10 and 50 minutes and 70 PPM CO between 60 and 240 minutes. Two Latching features: Alarm Latch to easily identify initiating alarm after alarm condition has subsided. Low battery latch: to visually identify which unit is in low battery condition. Two Silence Features: Alarm Silence to temporarily silence nuisance

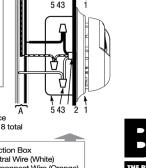
Two Locking features - tamper resistant locking pins that lock battery drawer and/or alarm to mounting bracket. . The unit shall be capable of operating between 40°F (4°C) and 100°F (38°C) and relative humidity between 10% and 95%. 10. The unit shall have a plug in connector and be capable of interconnection of up to 18 alarms, 12 of which can be smoke alarms. The unit shall at a minimum meet the requirements of UL217 and UL2034, CSFM,

alarms. Low Battery Silence to silence low battery chirp for up to 8 hours.

INSTALLATION OF ALARM Installation of this smoke alarm must conform to all local electrical codes and Article 760 of the National Electrical Code (NFPA 70) and NFPA 72. Interconnected units must meet the following requirements: Total length of wire interconnecting units should be less than 1000 feet, be #18 gauge or larger and be rated at least 300V. It is recommended that all units be on the same fuse or circuit breaker. If local codes do not permit, be sure the neutral wire is common to both phases. THE PARTS OF THIS SMOKE ALARM Mounting bracket
 Mounting Slots

NFPA 72 and 720 and the ICC.





Electrochemical Indicator Lights/Sounds: AC Power: Constant Green LED DC Power: Intermittent Green LED Red LED flashes rapidly Remote Alarm: Red LED out. Latching Alarm: Red LED flashes 2 sec. on/2 sec. off after local alarm Low Battery Latch: Green LED flashes on for 2 seconds, off for 2 seconds. Listed to UL217 and UL2034 Standards SHIPPING SPECS Individual Carton Dimensions 5.69"L x 2.25"W x 5.59"H 0.63 lbs. 0.04 ft3 0 29054 51306 9 14.43"L x 6.19"W x 12.63"H Master Pack 8.1 lbs. 0.65 ft3 100 29054 51306 6 Cases per Layer Number of Layers: Cases per Pallet: Units per Pallet: 42.2 ft3 527 lbs. brkelectronics.com

First Alert is a registered trademark of the First Alert Trust
BRK is a registered trademark of BRK Brands, Inc.
CM3233

TECHNICAL SPECS

Alarm Dimensions: 5.6"dia. x 2.0"H 8.5 oz

Operating Current: 0.09 amps (standby/alarm) Temperature Range: 40°F (4°C) to 100°F (38°C)

o Alarm: 85dB at 10 feet

Operating Voltage: 120V AC 60Hz w/ 9V alkaine battery backup

Electronically simulates smoke or CO condition, causing the

Up to 18 units of First Alert or BRK Smoke, CO and Heat Alarms. Maximum of 12 smoke alarms. See user's manual

unit to alarm. Press and hold test/silence button.

Automatic when smoke or CO clears

umidity Range: 10% to 95% relative humidity (RH)

Dual Ionization

0

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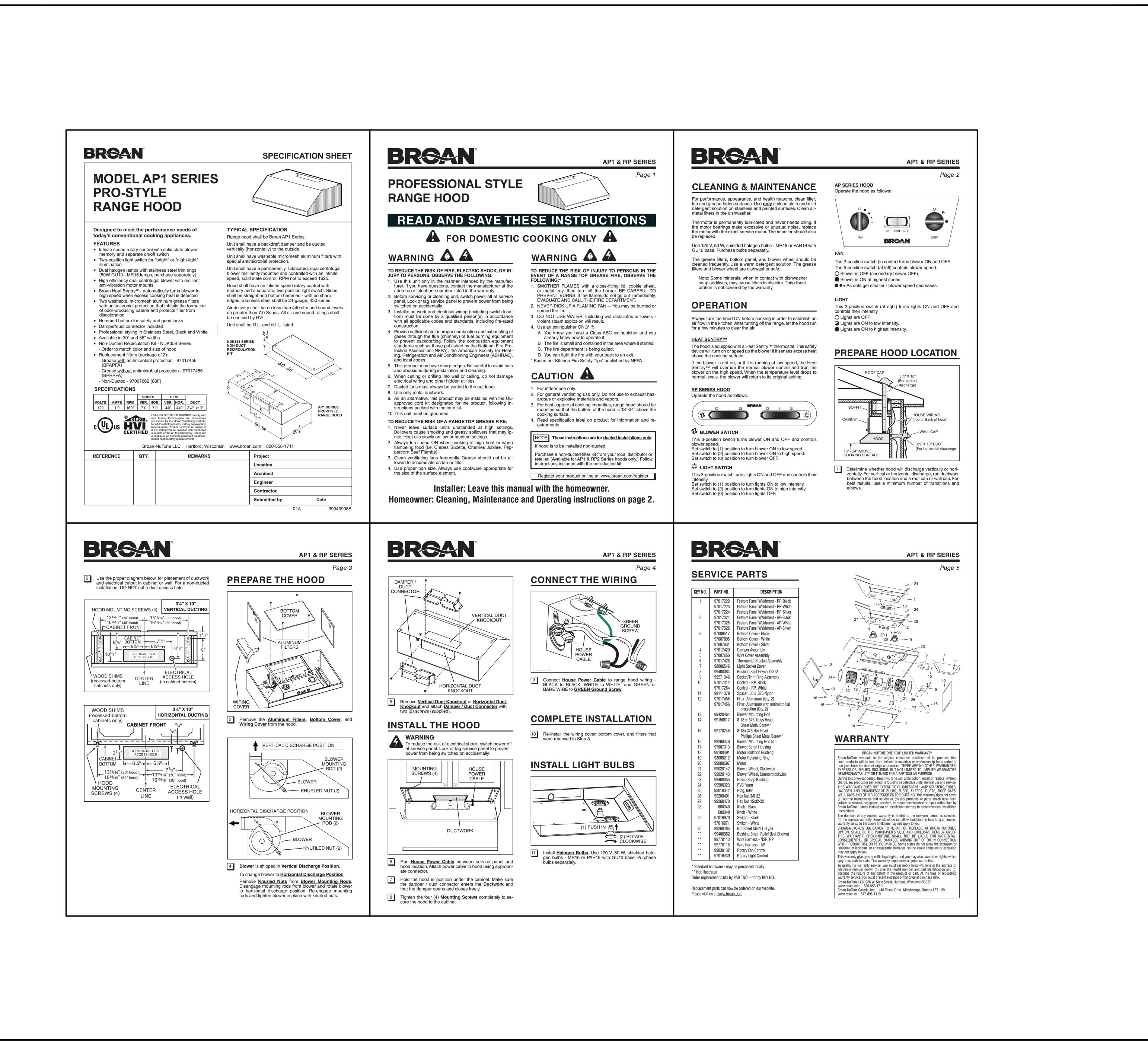
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NEW SINGLE FAMILY RESIDENCE GURDEEP DHADWAL PALM AND DOUGHERTY AVE.

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RESIDENTIAL HOOD SPECS

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INSTALLATION GUIDE

Cement Backerboard for Walls, Floors and Countertops

90% Premium Portland Cement and Sand Backed by a Limited Lifetime Warranty



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CAUTIONS: This product shall not be used in the following applications: As a backer board in balcony railings

1/4" thick and the tile/stone is to be

nstalled while the skim coat is wet.

and balcony parapet walls HardieBacker 500 may not be used to a height exceeding through the

than 30 feet above grade. 1 See IRC Table R703.4, IBC §2101.2 and

second-story above grade or greater

VINYL AND RESILIENT FLOORING (Interior Application Only) **Materials Required**

1 | Fasteners

• Minimum 7/8" long galvanized or polymer-coated 18-gauge chisel point staples with 1/4"crown.

 Minimum 7/8" long galvanized ring shanked underlayment flooring nails. Fasteners should be long enough to reach the bottom of the subfloor, but not

Avoid using resin, rosin or cement-coated fasteners that can discolor vinyl flooring.

 Use the cement-based, rapid-setting patching compound recommended by the floor covering manufacturer.

• Do not use a gypsum-based patch. Follow the patch manufacturer's instructions. Preparation for Underlayment

1 | Ensure subfloor is structurally sound and properly installed

On existing floors: HardieBacker® cement board may be installed under or over Vinyl Composition Tile (VCT) and other resilient flooring. For best results, remove existing floor covering,

especially if it is in poor condition. If installing HardieBacker cement board over existing floor, ensure the floor is flat and floor covering is thoroughly adhered to the subfloor.

• Ensure subfloor is not damaged. Replace any loose, warped, uneven or damaged sections of floor.

 Make sure subfloor is dry, level and fastened correctly. All fasteners must be countersunk or flush with the subfloor. All seams or other areas that are not level must be sanded flat.

• Subfloor must be free of all debris, oil, grease, paint or other foreign substances.

2 | Basements and crawl spaces

• Crawl spaces must be well ventilated with a minimum of 18" between the ground and joists. A vapor barrier over the ground is required.

HARDIEBACKER® BOARD

 Use a straight edge as a guide to score the board's face and snap upward along the score line. We recommend using a carbide-tipped scoring knife, but a utility knife may also be used. The use of shears (manual, electric or

pneumatic) is also acceptable. For cutouts and small holes, score around perimeter and break out from the face side with hammer.

 NEVER use high-speed power tools (e.g. saws, grinders, etc.) to cut James Hardie[®] products indoors as they may generate excessive silica dust.

• NEVER dry sweep — Use wet suppression methods or HEPA vacuum for clean-up. To further limit respirable silica exposures, wear a properly-fitted, NIOSH-approved dust mask or respirator (e.g. N-95) in accordance with applicable government

COUNTERTOP INSTALLATION I Ensure cabinets are level and

 Use minimum 1/2" exterior grade plywood or equivalent, positioned across the wood cabinet. Space

regulations and manufacturer instructions.

between plywood supports is not to exceed 16" on center. 2 | Determine layout of HardieBacker® cement board

 Do not align HardieBacker cement board with plywood joints. Score and snap boards to required sizes and make necessary cutouts. We recommend an 1/8" gap from board edges.

3 | Attach HardieBacker cement board to countertop

 Apply a supporting bed of dry-set mortar or modified thinset to plywood with a 1/4" square-notched trowel. Mastic can also be used with a 5/32" V-notched trowel. Use the fastener pattern as a guide. Fasten HardieBacker cement board with

specified nails or screws (as listed in "Materials Required") every 8" over the entire

surface. Keep fasteners between 3/8" and 3/4" from board edges and 2" from

• Prior to setting the tile, fill all joints with the same mortar used to set the tiles. • Embed 2" wide high-strength alkali-resistant glass fiber tape in the mortar and level.

5 | Exterior application (HardieBacker 500 only)[‡] Additional details on page 4 • Follow Countertop installation steps 1 thru 4

Stagger all HardieBacker board joints. Do not align HardieBacker board joints with

Never allow all four corners of boards to meet at one point.

• Join factory-cut edges together in the body of the floor.

2 | Attach HardieBacker boards to subfloor

• Keep board edges 1/8" back from walls and cabinet bases.

Lightly butt the board joints. Do not leave a gap or force edges together.

• Fasten one board at a time. HardieBacker boards must be flush with subfloor

Begin the fastening pattern in a corner of the board, then fasten the two adjacent

Place fasteners in a random, staggered pattern across HardieBacker board. Avoid

Fasten HardieBacker boards with proper fasteners (as listed in "Materials Required")

• Keep fasteners between 3/8" and 3/4" from board edges and 2" in from board corners.

Fastener heads/crowns must be flush with or slightly countersunk a maximum of

3 | Finishing surface and joints (not necessary for carpet or wood flooring)

boards. Avoid over-sanding. Sanding will generate significant respirable silica dust

and those in the immediate area must wear NIOSH-approved respiratory protection

Thoroughly clean HardieBacker board surface to remove all debris prior to patching.

Required") to all seams, sanded areas, hammer indentations, holes, gaps, gouges,

chips and voids to achieve a smooth surface. Avoid building a ridge over the seams

Using a wide flat trowel, apply a skim coat of patch (as listed in "Materials

by feathering the patch out several inches on both sides of the seams.

• Obtaining a perfectly smooth surface may require more than one coat of patch.

Prepared HardieBacker cement board surface must be free of all debris, oil, paint,

Do not install floor covering seams directly over the HardieBacker board seams.

• Install floor covering according to the adhesive and floor covering manufacturers'

After the patch has thoroughly dried, lightly sand or scrape off any surface

imperfections caused by the patch to achieve a smooth surface.

caulk, joint compound and other foreign substances.

• Wait until patch is thoroughly dry before installing the floor covering.

If necessary, lightly hand-sandseams to achieve a smooth transition between

(e.g. N95) in accordance with applicable government regulations.

a maximum of 3" on center around the perimeter and 6" on center in the field.

edges. Return to the corner and fasten in a diagonal pattern from that corner until

• Mastic (organic adhesives) shall not be used in exterior applications

1 | Determine layout of

Install smooth side up.

during installation.

the board is completely fastened.

fastening in a straight line.

1/16" below the surface.

4 | Flooring installation

Install HardieBacker boards

perpendicular to subfloor panels.

HardieBacker® cement board



board for floor applications, unless 1/2" thickness is needed for transition. 1 | Ensure subfloor is structurally

We recommend 1/4" HardieBacker®

On existing structures:

Replace any loose, warped, uneven or damaged sections of floor. Make certain subfloor is a clean and flat surface.

Ensure subfloor is not damaged.

For all floors:

• Use minimum 5/8 exterior grade plywood or 23/32 OSB with Exposure 1 classification or better, complying with local building codes and ANSI A108.11. Joist spacing not to exceed 24" on center.

• The floor must be engineered not to exceed the L/360 deflection criteria (L/720 for natural stone), including live and dead design loads, for the specific joist spacing used.

2 | Determine layout of HardieBacker® cement board Stagger all HardieBacker® cement board joints. Do not align with subfloor joints.

 Never allow all four corners of boards to meet at one point. We recommend an 1/8" gap

between board edges. Keep sheet edges 1/8" back from walls and cabinet bases.

 Score and snap boards to required sizes and make necessary cutouts.

3 | Attach HardieBacker cement board to subfloor Apply a supporting bed of mortar or modified thinset to subfloor using a 1/4"

square-notched trowel. Embed HardieBacker cement board firmly and evenly in the wet mortar. Use the fastener pattern as a guide. Fasten HardieBacker cement board with

specified nails or screws (as listed in "Materials Required") every 8" over the entire surface. Keep fasteners between 3/8" and 3/4" from board edges and 2" from board corners.

Set fastener heads flush with the surface without overdriving.





BASIC COMPOSITION

abrasive aggregate.

Thickness: 1/4"

Thickness: 0.42"

11 Mortar

For floors:

4' x 8'

with ASTM C1288 & ANSI A118.9

Sheet sizes: 3' x 5' and 4' x 8'

MATERIALS REQUIRED

Latex or acrylic modified thinset

(complying with ANSI A118.4).

Dry-set mortar for use between

subfloor and cement board only

(complying with ANSI A118.1).

Latex or acrylic modified thinset

(complying with ANSI A118.4).

For Exterior applications follow

stone and mortar manufacturers

Type 1 mastic (complying with ANSI

For walls and countertops:

applications)

recommendations.

glass fiber tape.

For floors and walls:

Minimum 1-1/4" (for interior)

& 1-3/4" (exterior walls) long

corrosion-resistant roofing nails.

Minimum 1-1/4" (for Interior) &

may be used for floors.

x 0.375" HD self-drilling corrosion-

3 | Fasteners

2 | Tape

HardieBacker® 500 cement board:

90% Portland cement and sand with

selected additives. Contains no asbestos,

1/4" HardieBacker® cement board:

English I 2

If applying HardieBacker 500 cement

board over gypsum, use minimum 1-3/4"

long corrosion-resistant roofing nails.

Prior to setting the tile, fill all joints with

the same mortar used to set the tiles.

mbed 2" wide high-strength alkali-

resistant glass fiber tape in the mortar

For countertops: formaldehyde, gypsum, paper facing, or • Minimum 3/4" long corrosion-resistant Minimum 3/4" long ribbed counter

Sheet size: 3' x 5' (EZ Grid® board) and sinking corrosion-resistant screws. 18-gauge corrosion-resistant polymer Weight: 1.9 lbs. psf (9.3 kg/m2) Complies coated 3/4" staples with a 1/4" crown. For HardieBacker 500 cement board,

use minimum 1-1/4" long corrosionresistant roofing nails or ribbed countersinking screws.

Weight: 2.6 lbs. psf (12.7 kg/m2) For vinyl and resilient flooring: (Interior Only) Complies with ASTM C1288 & ANSI A118.9 Minimum 7/8" long galvanized or polymercoated 18-gauge chisel point staples with

> Minimum 7/8" long galvanized ring shanked nails. Fasteners should be long enough to

reach the bottom of the subfloor, but not

 Avoid using resin, rosin or cement-coated fasteners that can discolor vinyl flooring.

tardieBacker® board lelivers more compressive nd flexural strength than any board on the market. A136.1). (Not to be used in exterior

WARNING AVOID BREATHING SILICA DUST:

James Hardie® products contain respirable crystalline silica, which is known to the State of California to cause cancer and is considered by • 2" wide high-strength alkali-resistant IARC and NIOSH to be a cause of cancer from some occupational sources. Breathing excessive amounts of respirable silica dust can also cause a disabling and potentially fatal lung disease called silicosis, and has been linked with other diseases. Some studies suggest smoking may increase these risks. During installation, use fiber cement shears for cutting or, use score & snap technique. During clean-up, use HEPA vacuums or wet cleanup methods—never dry sweep. For further 1-3/4" (exterior walls) long No. 8 information, refer to our installation instructions and Material Safety Data Sheet available at www. resistant ribbed waferhead screws. jameshardie.com or by calling 1-800-9HARDIE • If compliance with ANSI A108.11 is (1-800-942-7343). FAILURE TO ADHERE TO

not required, minimum 1" long No. 8 OUR WARNINGS, MSDS, AND INSTALLATION

x 0.323" HD self-drilling corrosion- INSTRUCTIONS MAY LEAD TO SERIOUS

resistant ribbed buglehead screws PERSONAL INJURY OR DEATH.

ENVIRONMENTAL CONSIDERATIONS

2 | Determine layout of HardieBacker cement board

3 | Attach HardieBacker cement board to framing

Required") a maximum of 8" on center at all supports.

Fill all joints with mortar (see "Materials Required").

barrier, or in accordance with applicable code.

above grade or 30 feet above grade.

Follow wall installation steps 1 thru 4

. Refer to ANSI A108 and the mortar

and tile manufacturers' published

application guidelines for complete

2. Wipe the surface of HardieBacker®

cement board clean with a damp sponge

just prior to adding mastic or mortar.

3. Spread the mastic or mortar with

a notched trowel (Note: Please see

"Materials Required" to see which setting

material is required for your application.)

FINISHING WITH TILE

tiling instructions.

4 | Tape joints prior to tiling

• Score and snap boards to required sizes and make necessary cutouts.

See applicable building codes regarding vapor barrier requirements.

Install boards 1/4" above floor, tub or shower pan and caulk accordingly.

• Keep fasteners 3/8" from board edges and 2" in from sheet corners.

Set fastener heads flush with the surface, without overdriving.

Fasten cement board with specified nails or screws (as listed in "Materials

Embed 2" wide high-strength alkali-resistant glass fiber tape in the mortar and level.

5 | Exterior application (HardieBacker 500 only)[‡] Additional details on page 4

Install HardieBacker 500 over sub-sheathing with a code approved water-resistive

May be used up to a height not exceeding the lesser of: through the second-story

Edges of the board parallel to framing must be supported by a structural framing member.

Boards may be installed vertically or horizontally.

HardieBacker® board's proprietary cement formulation and MoldBlock® Technology provide a moisture and mold-resistant wallboard and tile backer substrate that stands tough over time, reducing the need for product replacement. James Hardie has demonstrated a commitment to reducing energy consumption, while improving process efficiencies and waste management. It avoids the use of environmentally damaging materials and uses renewable resources that are abundant in the manufacture of HardieBacker® cement board. HardieBacker cement board does not contain any glass fibers, gypsum, asbestos or formaldehyde. The company also focuses on water conservation and attempts to recycle water and waste product as much as possible during the manufacturing process.

RECOGNITIONS

HardieBacker cement board is recognized as an interior substrate by the following: International Code Council Evaluation Service ESR-2280

 City of Los Angeles Research Report No. 24862 HUD Materials Release Nos. 1263 and 1268

 City of New York MEA No. 223-93M IBC 2509.2 IRC R702.4.2

Consult these documents for additional information concerning conditions for use in applicable jurisdictions.

*Cementitious Backer Unit/Fiber-Cement Underlayment Compressive Strength Compressive Strength at Equilibrium Moisture Content (ASTM

1/4" HardieBacker® EZ Grid® cement board: 7000 psi (48 MPa) HardieBacker® 500 cement board: 6500 psi (45 MPa)

Non-Combustibility HardieBacker cement board is recognized as non-combustible in accordance with ASTM E136.

for recognized assemblies, or contact James Hardie's Technical Services at

Surface Burning Characteristics When tested in accordance with ASTM method E-84: Flame Spread – 0, Fuel Contributed – 0, Smoke Developed – 5. Fire Rated Assemblies HardieBacker cement board may be used as a component in one-hour fire-resistive wall construction; consult ESR-2280 website listings

INTERIOR WARRANTY Warranty copies are available from James Hardie Building Products or wherever

1-800-9HARDIE (1-800-942-7343).

labor. Please visit HardieBacker.com for more details.

EXTERIOR WARRANTY Warranty coverage for this application is limited to HZ10 areas only. To find out your zone go to HardieZone.com or see HardieBacker® cement board's exterior application warranty for applicable zip codes. The HardieBacker® 500 cement board warranty is extended to cover external use, meaning areas under direct and indirect exposure to weather.

James Hardie® products are sold. Limited lifetime warranty includes material and

English I 8

4. Twist or press and beat in tiles complying with ANSI A137.1.

5. Allow a minimum of 24 hours curing set time before grouting.

 Must comply with local building codes FINISHING WITH and ANSI A108.11. NATURAL STONE Use a minimum of 2" x 4" wood studs

WALL INSTALLATION

1 | Ensure framing is structurally

or 20-gauge metal studs, which must Natural stone often has hidden be straight, properly aligned and weaknesses which can result in surface cracks in finished floors. To reduce the spaced a maximum of 16" on center. risk of job failures, always consult The In tub and shower enclosures, Marble Institute of America Handbook. ensure that the framing is adequately reinforced at the corners. In addition to the steps outlined under

> "Floor Installation," the following is required: Always follow the recommendations of the flooring material manufacturer.

 Marble and natural stones must have sufficient flexural strength for use in flooring systems.* Where the quality and strength of the stone is unknown, the floor must be engineered not to exceed the L/720 deflection criteria, including live and dead design loads, for the specific joist spacing used. The strength of your natural stone will have an impact on the ultimate performance of your flooring system.

* Testing has shown that a minimum 2900 psi is preferable for flooring application.

FINISHING WITH PAINT, WALLPAPER OR TEXTURE

1 | Painting or Wallpapering

(Interior Application Only)

Apply a drywall primer suitable for high-moisture areas, as recommended by the paint manufacturer. Paint HardieBacker board as you would drywall. If wallpapering, prime surface of HardieBacker board with a primer suitable for high-moisture areas as recommended by the wallpaper manufacturer.

2 | Texturing

Texture can be applied to HardieBacker board in the same way as drywall.

STEAM ROOM APPLICATION

HardieBacker® board is recognized for use in residential steam rooms when installed over conventional framing and in accordance with HardieBacker board printed installation instructions, TCNA guidelines (Tile Council of North America Handbook, www.tileusa.com), and local building codes. Questions and concerns regarding design and construction should be directed to a knowledgeable professional.

EXTERIOR APPLICATION (This application has limited warranty coverage. Refer to Exterior Warranty for

coverage information on page 8) HardieBacker 500 may be used up to a height not exceeding the lesser of: through the second-story above grade or 30 feet above grade. The HardieBacker 500 must be installed over sub-sheathing with a code approved water-resistive barrier, or in accordance with the applicable code. Install flashings, clearances, and other building practices per local code. James Hardie will assume no responsibility for water infiltration. Use a minimum No. 11 ga. 13/4" long roofing nails or No. 8-13/4" long (0.375" HD) or ribbed wafer head corrosion resistant screws spaced a maximum of 8" OC. The maximum weight of the overlayment (tiles, stones and veneers) is not to exceed the code limit of 15 lbs/sq ft. Application is limited to HZ10® areas only. Follow installation procedure in accordance with the stone and mortar manufacturer's

recommendations. 1 Stones must be free of any substance that may impede proper

Contractors and do-it-yourselfers trust HardieBacker® cement board with MoldBlock® technology to deliver superior moisture and mold protection. HardieBacker board doesn't contain any

resistance make it the Total Wet Area Solution™.

glass mesh or gypsum and its proprietary cement formulation delivers the ultimate in durability. HardieBacker board's dimensional stability, exceptional bonding surface, and moisture

MOLDOBLOCK

TECHNOLOGY

Exclusive MoldBlock Technology Mold protection is integrated

throughout HardieBacker cement board. It passes both ASTM mold tests with a perfect score.

Ultimate in Durability Proprietary 90% cement and sand formulation protects against water damage.

Exceptional Workability Just score one side and snap upward. Cuts cleanly and fastens

with common tools. Lightest cement

Superior Tile Bond Strength Exceeds industry specifications in

ASTM tests for tile adhesion.

board available.

No Special Handling Required Unlike fiber gypsum board, HardieBacker board does not have

to acclimate to job site temperature and humidity prior to installation.

9 | English

CENTRAL VALLEY

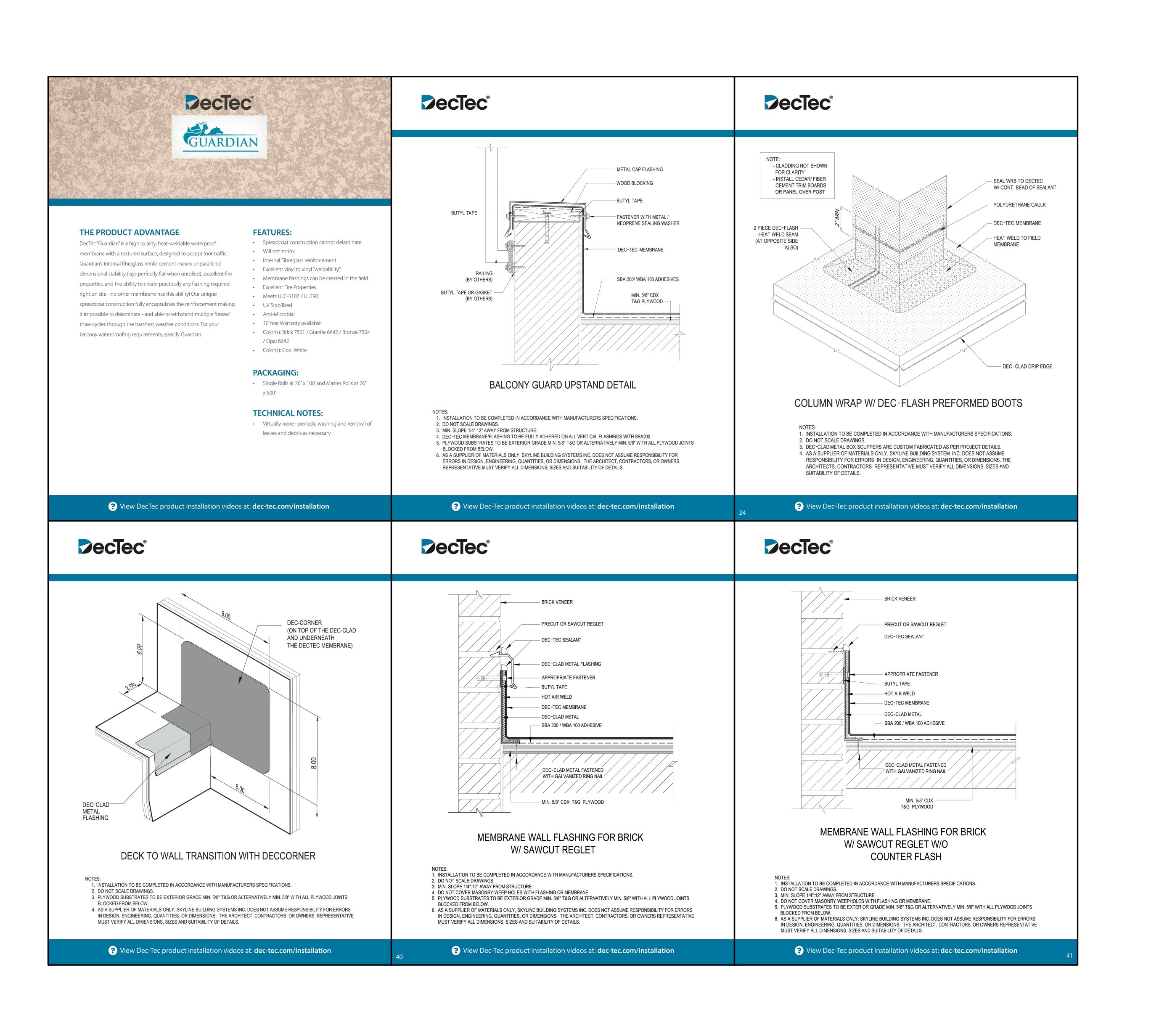
ENGINEERING & SURVEYING, INC

SELMA, CA 93662 Fax (559) 891-8815 WWW.CVEAS.COM Email: info@cveas.com

DATE SIGNED: 2/1/2023 Revisions:

HARDBACKER

CVEAS JOB # : DATE: PLANNING SUBMITTAL #: PLAN CHECK SUBMITTAL #: DRAWN BY: CHECKED BY:



CENTRAL VALLEY
ENGINEERING & SURVEYING, INC.
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SELMA, CA 93662
WWW.CVEAS.COM Email: info@cveas.com

NEW SINGLE FAMILY RESIDENCE FOR:
GURDEEP DHADWAL
PALM AND DOUGHERTY AVE.
MORGAN HILLS, CA 95037

PROFESSIONAL CHARDO LEAL CHARDO LEAL CHARDO LEAL CHARDO LEAL CHARDO LEAL CHARDO LEAL CHARDO CONTRACTOR CONTRAC

WALKABLE, WATERPROOF

WATERPROOF
MATERIAL

CVEAS JOB # :

PLANNING SUBMITTAL #:
XX-XXXX

PLAN CHECK SUBMITTAL #:
XX-XXXX

DRAWN BY:

CHECKED BY:

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ENGINEERING & SURVEYING, INC.
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WWW.CVEAS.COM Email: info@cveas.com

NEW SINGLE FAMILY RESIDENCE FOR:
GURDEEP DHADWAL
PALM AND DOUGHERTY AVE.
MORGAN HILLS, CA 95037

> WALKABLE, WATERPROOF MATERIAL

CVEAS JOB #:



CENTRAL VALLEY

SELMA, CA 93662 Fax (559) 891-8815

PLAN CHECK SUBMITTAL #:

THE GEOTECHINICAL ENGINEER SHALL SUBMIT A WRITTEN STATEMENT WITH A COP DIRECTLY TO THE STRUCTURAL ENGINEER AT THE COMPLETION OF THE PART OF THE PROJECT SUMMARIZING THE TEST RESULTS / ITEMS MONITORED WITH THE SPECIFIC

^{a.} IF NO SOILS REPORT HAS BEEN PROVIDED BY THE OWNER OR TENNANT AUTHORIZING THE CURRENT CONSTRUCTION AS INDICATED BY NOTE I, THE OWNER OR TENNANT AUTHORIZING THE CURRENT CONSTRUCTION BY PROCEEDING WITH CONSTRUCTION, IS PROCEEDING AT THEIR OWN RISK, AND THIS ENGINEER ASSUMES NO RESPONSIBILITY FOR THE POSSIBLE MOVEMENT OF THE SOILS SUPPORTING THE BUILDING FOUNDATION. IF NO SOILS REPORT HAS BEEN PROVIDED IGNORE THE SOILS REPORT REFERENCE IN NOTES 3,6,8,10 \$ 11.

DATED: APRIL 7, 2015

DESIGN SOIL BEARING VALUE = 2000 PSF. DL + LL (CBC MIN)

FOUNDATION NOTES

THESE GENERAL NOTES SUPPLEMENT THE PROJECT SPECIFICATIONS. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL, PLUMBING, ELECTRICAL, CIVIL AND MECHANICAL DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THEIR SHOP DRAWINGS AND WORK.

NO OPENING SHALL BE MADE IN ANY STRUCTURAL MEMBER WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER OF RECORD. NO CHANGE IN SIZE OR DIMENSION OF STRUCTURAL MEMBERS SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER OF RECORD. OPENINGS 1'-4" AND LESS ON A SIDE ARE GENERALLY NOT SHOWN ON THE STRUCTURAL

DRAWINGS. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SUCH THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE

CONSTRUCTION METHODS AND / OR SEQUENCE. DO NOT SCALE THESE DRAWINGS, USE DIMENSIONS. CONTRACTOR'S CONSTRUCTION AND / OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL & MOISTURE CHANGES THAT WILL RESULT IN MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL INFORM THE ENGINEER OF RECORD IN WRITING OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOT BE RELIEVED OF THE RESPONSIBILITY OF SUCH DEVIATION BY THE ENGINEER OF RECORD REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC., UNLESS THE CONTRACTOR HAS

OF SUBMISSION, AND THE ENGINEER OF RECORD HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR MUST ENSURE THAT MANUFACTURED (ENGINEERED BY OTHERS ROOF & FLOOR FRAMING IS DESIGNED TO RESIST UPLIFT LOADS DURING & AFTER CONSTRUCTION.

(ISTING CONSTRICTION NOTES

WORK SHOWN IS NEW UNLESS INDICATED AS EXISTING THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING JOB CONDITIONS, REVIEW ALI DRAWINGS AND VERIFY DIMENSIONS, ELEVATION, AND MEMBER SIZES PRIOR TO CONSTRUCTION OR MATERIAL PURCHASE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD IN WRITING OF ALL DISCREPANCIES AND EXCEPTIONS BEFORE

PROCEEDING WITH THE WORK. THE REMOVAL, CUTTING DRILLING, ETC. OF EXISTING CONSTRUCTION SHALL BE PERFORMED WITH GREAT CARE IN ORDER NOT TO JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE BUILDING STRUCTURAL SYSTEM. IF STRUCTURAL MEMBERS OR MECHANICAL, ELECTRICAL, OR ARCHITECTURAL FEATURES NOT INDICATED FOR REMOVAL INTERFERE WITH THE NEW WORK. THE ENGINEER OF RECORD SHALL BE IMMEDIATELY NOTIFIED AND PRIOR WRITTEN APPROVAL SHALL BE OBTAINED BEFORE

REMOVAL OR MODIFICATION OF MEMBERS. THE CONTRACTOR SHALL PROMPTLY REPAIR DAMAGE TO EXISTING FRAMING CAUSED DURING CONSTRUCTION WITH SIMILAR MATERIALS AND WORKMANSHIP. CONTACT THE ENGINEER OF RECORD TO VERIFY THE PROPOSED REPAIR SOLUTION. EMOLITION SHORING NOTES:

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF ALL DEMOLITION WORK AND FOR PROVIDING ALL NECESSARY TEMPORARY SHORING, BRACING AND PROTECTION AS NECESSARY FOR SAFETY, STABILITY AND PROTECTION OF ALL EXISTING ELEMENTS AND STRUCTURE TO REMAIN. TEMPORARY SHORING AND BRACING SHALL BE ADEQUATE TO RESIST ALL APPLIED LOADS INCLUDING DEAD LOAD, LIVE LOADS, SNOW LOADS AND CONSTRUCTION LOADS, TO PROVIDE STABILITY, AND TO PROVIDE FOR RESISTANCE TO WIND AND SEISMIC FORCES UNTIL ANY REQUIRED MODIFICATIONS TO THE STRUCTURE ARE COMPLETED.

MISCELLANEOUS

8 ADDITIONAL SAFETY NOTES

DETAILS AND DIMENSIONS OF CONSTRUCTION SHALL BE VERIFIED AT THE SITE BY THE CONTRACTOR AND ANY DISCREPANCY BETWEEN THE PLANS AND THE INTENT OF THE PROJECT SHALL BE PROMPTLY REPORTED TO THE ENGINEER BEFORE CONSTRUCTION OR FABRICATION BEGINS. DO NOT SCALE DRAWINGS.

ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF CENTRAL VALLEY ENG. \$ SURVEYING, INC. (CVEAS) AND WERE CREATED, EVOLVED AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT ONLY. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON. FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF CVEAS, FILING THESE DRAWINGS WITH ANY PUBLIC AGENCY IS NOT PUBLICATION OF SAME. REUSE, REPRODUCTION OR PUBLICATION BY ANY METHOD IN WHOLE OR IN PART IS PROHIBITED. TITLE TO THESE PLANS REMAINS WITH THE CENTRAL VALLEY ENG. \$ SURVEYING, INC. (CVEAS) AND VISUAL

CONTACT WITH THEM CONSTITUTES PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE

ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF LOCAL, COUNTY, STATE, OR FEDERAI AGENCIES HAVING JURISDICTION, CENTRAL VALLEY ENG. \$ SURVEYING, INC. (CVEAS) ASSUMES NO RESPONSIBILITY FOR SUPERVISION OF CONSTRUCTION OR PROPER EXECUTION OF THE WORK SHOWN ON THESE DRAWINGS. SAFETY METHODS AND TECHNIQUES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ANY DEVIATIONS OR UNAUTHORIZED CHANGES TO THESE DRAWINGS ARE NOT THE RESPONSIBILITY OF CENTRAL VALLEY ENG. \$ SURVEYING, INC. (CVEAS) DEVIATIONS FROM THE ORIGINAL DRAWINGS MUS BE APPROVED IN WRITING PRIOR TO CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER OF THE PROGRESS OF THE PROJECT TO

FACILITATE OUR ON-SITE VISITS TO ANSWER QUESTIONS AND VIEW THE PROGRESS AND QUALITY OF WORK IF REQUIRED. THE CONTRACTOR SHALL NOTIFY OUR OFFICE 48 HOURS PRIOR TO THE FOLLOWING PHASES

OF CONSTRUCTION * ONLY IF THESE PLANS OR ANY OTHER AUTHORITY SPECIFICALLY REQUIRES THE ENGINEER OF RECORD TO MAKE A JOB INSPECTION. a) FOUNDATION POURS*

b) AFTER THE ERECTION OF THE SUPERSTRUCTURE AND PRIOR TO CLOSING-IN OF ANY PHASE.*

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF $\,$ ALL DIMENSIONS, GRADES, AND OTHER CONDITIONS, AND SHALL CORRELATE AT THE JOB SITE ALL SUCH ITEMS. GENERAL CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER FOR CLARIFICATION AND CORRECTION PRIOR TO BEGINNING ANY WORK. ALL STRUCTURAL MEMBERS SHOWN ON THE PLANS ARE DESIGNED AS IN THEIR FINAL LOCATION, CENTRAL VALLEY ENG. \$ SURVEYING, INC. (CVEAS) HAS NOT PERFORMED CONSTRUCTION ENGINEERING (SHORING CALCULATIONS) OR ENGINEERING NECESSARY TO

PLACE ANY STRUCTURAL MEMBERS IN THEIR FINAL LOCATION (ERECTION CALCULATIONS). DETAILS AND NOTES ON TYPICAL SHEETS SHALL APPLY UNLESS SPECIFICALLY SHOWN OTHERWISE. DETAILS OF CONSTRUCTION NOT FULLY SHOWN SHALL BE OF THE SAME NATURE AS SHOWN FOR SIMILAR CONDITIONS. TYPICAL DETAILS ARE AT NO SCALE. DO NOT SCALE STRUCTURAL DRAWINGS. IF DIMENSIONS OR DETAIL ARE NOT CLEAR, OR DISCREPANCIES EXIST ON THE DRAWINGS OR SPECIFICATIONS, CONTACT THE ENGINEER SEE MECHANICAL, ELECTRICAL, AND/OR ARCHITECTURAL DRAWINGS FOR LOCATION AND SIZE OF PIPES, CONDUITS, FLOOR DRAINS, VENTS, DUCTS, DRAIN LEADERS AND OTHER SIMILAR OPENINGS NOT INDICATED ON THE STRUCTURAL DRAWINGS.

SEE MECHANICAL, ELECTRICAL AND/OR ARCHITECTURAL DRAWINGS FOR EMBEDMENT OF BOLTS, ANCHORS AND OTHER MISCELLANEOUS EMBEDDED ITEMS NOT SHOWN ON STRUCTURAL DRAWINGS. SEE PLUMBING \$ ARCHITECTURAL PLANS FOR REQUIRED SLAB WORK FOR FLOOR DRAINS

THE DESIGN, FABRICATION AND CONSTRUCTION SHALL COMPLY WITH ALL ACCEPTED LOCAL GOVERNING CODES OF THE PARTICULAR AREA UNDER CONSTRUCTION. THE DUTY OF THE ENGINEER TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE, IF REQUIRED, IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE. ANY SUPPORT SERVICES PERFORMED BY THE ENGINEER FIELD REPRESENTATIVES DURING CONSTRUCTION SHALL BE DISTINGUISHED FROM CONTINUOUS AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE ENGINEER WHETHER PERFORMED PRIOR TO DURING

OR AFTER COMPLETION OF CONSTRUCTION ARE PERFORMED SOLELY FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE. WITH CONTRACT DRAWINGS AND SPECIFICATIONS, BUT THEY DO NOT GUARANTEE CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF

ALL WORK SHALL CONFORM TO THE LATEST APPLICABLE CONSTRUCTION SAFETY REQUIREMENTS OF O.S.H.A. AND ANY OTHER GOVERNMENTAL ENTITY HAVING JURISDICTION. THESE DRAWINGS SHALL BE CONSIDERED SUBSTANTIALLY COMPLETE. HOWEVER, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE ALL LABOR AND MATERIALS NECESSARY TO RENDER THE WORK COMPLETE, AS IS THE INTENT OF THESE DRAWINGS,

EITHER SHOWN OR INFERRED HEREIN, THROUGH PROPER ESTABLISHED CONSTRUCTION THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE WORK AND THE COORDINATION OF ALL TRADES AND GOVERNING AGENCIES, AND SHALL PROVIDE ALL MATERIAL AND LABOR SHOWN OR INFERRED ON THESE PLANS.

· ALL MATERIAL AND WORK PERFORMED SHALL CONFORM WITH THE REQUIREMENTS OF THE UNIFORM BUILDING CODE OR OTHER GOVERNING CODES AND BUILDING ORDINANCES. ALL REFERENCE TO THE UNIFORM BUILDING CODE SHALL BE THE LATEST ADOPTED EDITION. THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS METHODS TECHNIQUES SEQUENCES AND PROCEDURES INCLUDING BUT NOT LIMITED. BRACING AND SHORING. OBSERVATION VISITS TO THE SITE BY FIELD REPRESENTATIVES O THE ARCHITECT OR ENGINEER SHALL NOT INCLUDE INSPECTIONS OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES. ANY SUPPORT SERVICES PERFORMED BY THE ARCHITECT OR ENGINEER DURING THE CONSTRUCTION SHALL BE DISTINGUISHED

FROM CONTINUOUS AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE ARCHITECT OR ENGINEER, WHETHER OF MATERIAL OR WORK. AND FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DOCUMENTS, DO NOT GUARANTEE CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.

WHERE A SECTION OR TYPICAL DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS UNLESS OTHERWISE NOTED. I.IT SHALL BE THE GENERAL CONTRACTORS RESPONSIBILITY FOR THE SUPERVISION OF THE WORK OR POSSIBLE OMISSIONS SHOWN OR INFERRED ON THESE PLANS. CONNECTIONS OF ALL ITEMS SUPPORTED BY THE STRUCTURAL ARE THE RESPONSIBILITY OF THE DISCIPLINES WHO ARE MAKING THESE ATTACHMENTS. THESE ATTACHMENTS SHALL BE DESIGNED TO RESIST ALL GRAVITY, WIND, SEISMIC, THERMAL LOADS, ETC SPRINKLER PIPING SHALL BE SUPPORTED AND BRACED PER NFPA-13 SUSPENDED CEILING SYSTEMS OF

ACOUSTICAL TILE OR LAY-IN PANELS SHALL BE SUPPORTED AND BRACED PER UBC STANDARD 25-2 (ASTM C635 \$ C636) GENERAL CONTRACTOR SHALL NOTIFY ENGINEER AND ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES FOUND WITHIN THE CONTRACT DOCUMENTS.

4. CONCRETE SLAB-ON-GRADE HAS NOT BEEN DESIGNED FOR CONSTRUCTION LOADS OR SPECIFIC OCCUPANT SERVICE LOADS BY THIS ENGINEER. VIBRATIONAL EFFECTS OF MECHANICAL EQUIPMENT HAVE NOT BEEN CONSIDERED BY THIS

NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES CONSTRUCTION AND MATERIAL SHALL COMPLY WITH AND BE INSTALLED IN ACCORDANCE WITH ALL THE REQUIREMENTS OF ALL LEGALLY CONSTITUTED PUBLIC AUTHORITIES HAVING JURISDICTION, INCLUDING ALL COUNTY AND LOCAL ORDINANCES, AND THE SAFETY ORDERS OF THE STATE INDUSTRIAL ACCIDENT COMMISSION, ANY REFERENCE TO THE WORDS APPROVED, OR APPROVAL IN THESE DOCUMENTS SHALL BE HERE DEFINED TO MEAN GENERAL ACCEPTANCE OR REVIEW AND SHALL NOT RELIEVE THE

CONTRACTOR AND / OR HIS SUBCONTRACTORS OF ANY LIABILITY IN FURNISHING THE REQUIRED MATERIALS OR LABOR SPECIFIED. CONSTRUCT THOSE FEATURES OF THE PROJECT, WHICH MAY NOT BE FULLY SHOWN, IN A MANNER SIMILAR TO THAT USED FOR SIMILAR FEATURES.

SEE ALSO SPECIFICATIONS. WHERE AVAILABLE. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE SUPERVISION OF THE WORK OR THE PROPER EXECUTION OF SAME.

CONTRACTOR IS TO VERIFY ALL DIMENSIONS PRIOR TO BEGINNING OF CONSTRUCTION. AN DISCREPANCIES MUST BE REPORTED TO THE ENGINEER BEFORE PROCEEDING WITH WORK. COORDINATE STRUCTURAL DIMENSIONS WITH ARCHITECTURAL FLOOR PLANS, ELEVATIONS,

SECTIONS, DETAILS ETC THE STRUCTURAL SYSTEMS HAVE BEEN DESIGNED TO CARRY THE SUPERIMPOSED LIVE LOADS AS PRESCRIBED BY THE BUILDING CODE AND IN ACCORDANCE WITH STANDARD ENGINEERING PRACTICES, WITH NO SPECIAL PROVISIONS FOR CARRYING CONCENTRATED LOADS FROM STORAGE AND HANDLING OF CONSTRUCTION MATERIALS OR FROM OPERATION OF CONSTRUCTION EQUIPMENT. THE CONTRACTOR SHALL PROVIDE ALL SCAFFOLDING, BRACING, AND SHORING SYSTEMS AS REQUIRED FOR INSTALLATION, STABILITY, AND SAFETY OF NEW WORK AND PROVIDE PROTECTION AS REQUIRED FOR THE SAFETY OF PEDESTRIANS AND JOB SITE PERSONNEL. AT ALL TIMES, THE CONTRACTOR SH

BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF PERSONS AND PROPERTY. AND EXISTING CONSTRUCTION AND MATERIALS FROM ADVERSE CONDITIONS AND THE CONTRACTOR SHALL PROJECT NEW IT IS THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT, MECHANICAL ENGINEER, AND

OTHERS DESIGNERS OF THE BUILDINGS HEATING. COOLING, \$ VETATATION SYSTEM TO ENSURE THAT THE STRUCTURE DETAILS IN THESE PLANS WILL NOT BE EXPOSED TO HARMFUL (TO THE STRUCTURE AND / OR ITS OCCUPANTS) ACCUMULATION OF MOISTURE OTHER HARMFUL SUBSTANCES THAT COULD LEAD TO HARMFUL / DESTRUCTIVE MOLD, MILDEW, CORROSION, ETC. BUILD UP ON STRUCTURAL MEMBERS. THESE DRAWINGS SHALL BE CONSIDERED SUBSTANTIALLY COMPLETE. HOWEVER, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE ALL LABOR AND MATERIALS NECESSARY TO RENDER THE WORK COMPLETE, AS IS THE INTENT OF THESE DRAWINGS, EITHER SHOWN OR INFER HERIN, THROUGH PROPER AND ESTABLISHED CONSTRUCTION

IN THESE PLANS THERE IS NO DISTINCTION BETWEEN POSTS & COLUMNS DEFINITIONS. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE CLASSIFICATION OF EACH "VERTICAL" SAFETY NOTES FOR MORE INFO. DRAWINGS OF SPECIFIC DETAILS ON THE DRAWINGS INDICATE THE INTENT OF THE STRUCTURAL DESIGN AND IN MOST CASES, ARE TYPICAL CONDITIONS OR VERY SIMILAR TO

OTHER DETAILS. TYPICAL CONDITIONS NOT NECESSARILY NOTED AS TYPICAL SHALL BE CONSIDERED AS TYPICAL FOR OTHER CONDITIONS. DUTY OF COOPERATION: ISSUANCE OF THESE STRUCTURAL DOCUMENTS (DRAWING AND SPECIFICATIONS) CONTEMPLATES FURTHER COOPERATION AMONG ALL PARTIES INVOLVED DESIGN AND CONSTRUCTION ARE COMPLEX. AND ALTHOUGH THE DESIGN SERVICES HAVE BEEN PERFORMED WITH DUE CARE AND DILIGENCE, PERFECTION CANNOT BE GUARANTEED. COMMUNICATION IS NECESSARY AND ANY STRUCTURAL DISCREPANCY SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER WHOSE INTERPRETATION SHALL BE FINAL DISCREPANCIES

NOT BROUGHT TO THE ENGINEER'S ATTENTION DURING THE BIDDING OF THE PROJECT WILL

5 GENERAL NOTES

DEFINED TO HAVE BEEN BID IN THE MORE COSTLY MANNER

STANDARD NOTES AND DETAILS STANDARD NOTES AND DETAILS

STANDARD NOTES AND DETAILS S1.3 STANDARD NOTES AND DETAILS STANDARD NOTES AND DETAILS STANDARD NOTES AND DETAILS

FOUNDATION PLAN FOUNDATION GUEST HOUSE 2nd FLOOR FRAMING PLAN S3.1 HIGH ROOF FRAMING PLAN ROOF FRAMING GUEST HOUSE S3.2

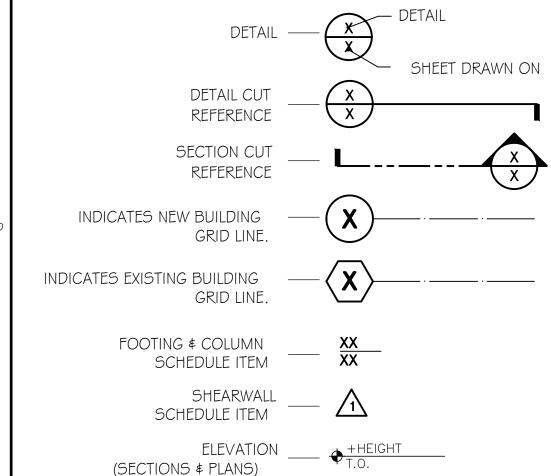
S4.2 · · SECTIONS FOUNDATION DETAILS FOUNDATION DETAILS

FOUNDATION DETAILS FRAMING DETAILS

FRAMING DETAILS FRAMING DETAILS S6.3 FRAMING DETAILS FRAMING DETAILS TRUSS DETAILS

STRUCTURAL DRAWINGS INDEX

	A.B.	ANCHOR BOLT	EXIST (E) EXP.	EXISTING EXPANSION	PLYWD. P.S.F.	PLYWOOD POUNDS PER
	ADJ. ABV.	ADJUSTABLE ABOVE	FIN. F.N.	FINISH FIELD NAILING	P.S.I.	SQUARE FOOT POUNDS PER
	ARCH. AWS	ARCHITECT(URAL) AMERICAN WELDING	FM	FACE MOUNT		SQUARE INCH
		SOCIETY	FLR. FTF	FLOOR FLOOR TO FLOOR	PRESS. R.	PRESSURE RADIUS
	BD. BLK.	BOARD BLOCK	FTG.	FOOTING	REINF.	REINFORCING
	BLKG.	BLOCKING	FDN. FRMG.	FOUNDATION FRAMING	REQD. RM.	REQUIRED ROOM
	BOT. BLDG.	BOTTOM BUILDING	GA. GALV.	GAUGE	SCHED. SHTG.	SCHEDULE SHEATHING
	BM.	BEAM	GALV.	GALVANIZED	SHT.	SHEET
	B.N. C	BOUNDARY NAILING CHANNEL	G.L.B. GRD.	GLUE LAM BEAM GRADE	SIM. SLV	SIMILAR SHORT LEG
	CLG. CLR.	CEILING CLEAR	H.D.	HOLDOWN	SPEC.	VERTICAL SPECIFICATION
	COL.	COLUMN	HGR. HDR.	HANGER HEADER	STGR.	STAGGER
	C.M.U.	CONCRETE MASONRY UNIT	HT.	HEIGHT	STD. STL.	STANDARD STEEL
	C.J.	CONSTRUCTION JOINT	HORIZ. HSB.	HORIZONTAL HIGH STRENGTH	STIFF.	STIFFENER
	CONC.	CONCRETE	IN.	BOLT INCH	STRUCT. SQ.	STRUCTURAL SQUARE
	CONN. CONSTR.	CONNECTION CONSTRUCTION	I.D.	INSIDE DIAMETER	TF	TOP FLANGE
	CONT. DA	CONTINUOUS DOUBLE ANGLE	INT. JST.	INTERIOR JOIST	THK.	THICK
1.	DEMO.	DEMOLISH	K or KIPS LAM.	l 000 lbs LAMINATED	TS U.B.C.	TUBE STEEL UNIFORM
	DET. DIAG.	DETAIL DIAGONAL	LB or LBS.	POUNDS	U.N.O.	BUILDING CODE UNLESS NOTED
	DIA. (Ø) DIM.	DIAMETER DIMENSION	LT. WT. LLV	LIGHT WEIGHT LONG LEG VERTICAL		OTHERWISE
	DBL.	DOUBLE	М.В.	MACHINE BOLT	VERT. W.	VERTICAL WIDTH
	DWG. EA.	DRAWING EACH	MAS. MAX.	MASONRY MAXIMUM	WT. W.W.F.	WEIGHT WELDED WIRE
	EF	EACH FACE	MTL. MIN.	METAL MINIMUM		FABRIC
	E.N. ELEV.	EDGE NAILING ELEVATION	N.T.S.	NOT TO SCALE	W.W.M.	WELDED WIRE MESH
	ENGR.	ENGINEER	NO. or # O.C.	NUMBER ON CENTER	W.F.	WIDE FLANGE WITH
	EQ. EQUIP.	EQUAL EQUIPMENT	OPNG.	OPENING	W/ WS	WITH WOOD SCREW
)	ES	EDGE SCREW OR EACH SIDE	OPP. PL.	OPPOSITE PLATE		



-NATIVE SOIL -ENGINEERED FILI

-CONCRETE

-CONTINUOUS WOOD MEMBER

3 SYMBOLS

SHOP DRAWINGS ARE REQUIRED FOR THE FOLLOWING ITEMS. SUBMIT AT LEAST (I) SET OF PRINTS FOR ENGINEERS RECORDS (I) SET OF SEPIAS TO BE CHECKED BY ENGINEER & THEN REPRODUCED BY THE CONTRACTOR AND CALCULATIONS (IF APPLICABLE) FOR REVIEW AND APPROVAL PRIOR TO FABRICATION. a) CONCRETE REINFORCING BARS

b) CONCRETE MIX DESIGN ALLOW TEN (10) WORKING DAYS FOR SHOP DRAWINGS REVIEW COMMENCING THE NEXT WORKING DAY AFTER RECEIPT. PLEASE PLAN YOUR SCHEDULE ACCORDINGLY. NO PART OF THE CONTRACT DOCUMENTS ARE TO BE REPRODUCED AS PART OF THE SHOP DRAWINGS. SHOP DRAWINGS CONTAINING DETAILS, SECTIONS OR PLANS PHOTO COPIED FROM THE CONTRACT DOCUMENTS WILL BE REJECTED. BEFORE SUBMITTING A SHOP DRAWING OR ANY RELATED MATERIAL TO THIS ENGINEER. THE CONTRACTOR SHALL: REVIEW EACH SUCH SUBMISSION FOR CONFORMANCE WITH THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND OPERATIONS OF CONSTRUCTION. AND SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO, ALL OF WHICH ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR: AND APPROVE EACH SUCH SUBMISSION BEFORE SUBMITTING IT. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY CHANGES OR DELAYS CAUSED BY PREMATURELY SUBMITTING SHOP DRAWINGS. THIS ENGINEERS SHOP DRAWINGS REVIEW AND STAMP DOES NOT ALLEVIATE THE CONTRACTORS RESPONSIBILITY TO REVIEW THE SAME SHOP DRAWINGS. THIS ENGINEER SHALL ASSUME THAT NO SHOP DRAWING OR RELATED SUBMITTAL COMPRISES AN INTENTIONAL

VARIATION UNLESS CONTRACTOR ADVISES THIS ENGINEER OTHERWISE IN WRITING

SHOP DRAWINGS

WHICH IS THEN ACKNOWLEDGED BY THIS ENGINEER IN WRITING.

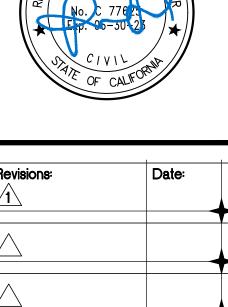


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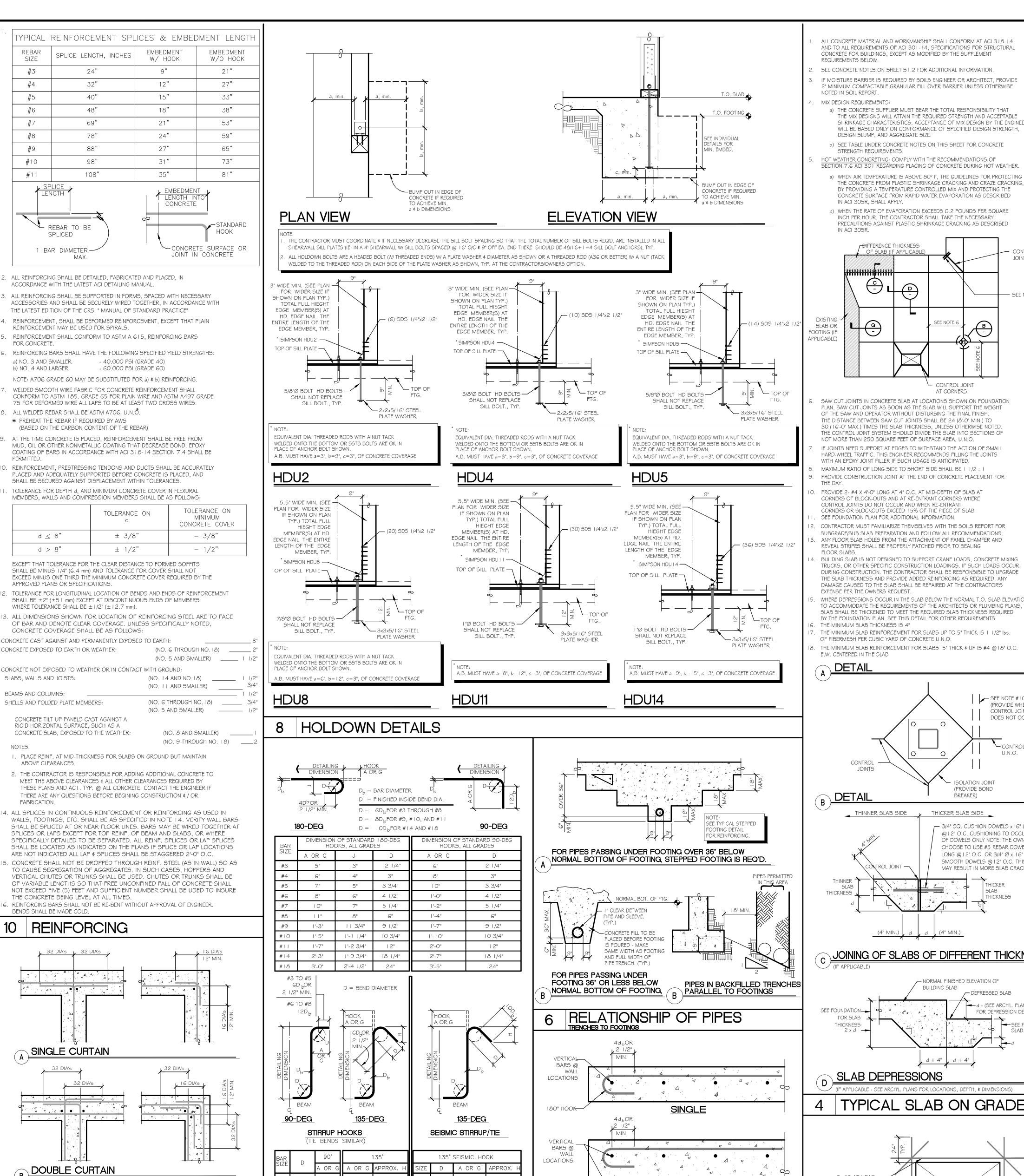
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Email: info@cveas.com



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1		
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	STANDARD N AND DETA	

Drawn By: Checked By AS NOTED



I. ALL REINFORCEMENT SHALL BE BENT COLD, UNLESS OTHERWISE PERMITTED BY

2. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT,

STANDARD HOOK DETAILS

EXCEPT AS SHOWN ON THE DESIGN DRAWINGS OR PERMITTED BY THE

THE BUILDING OFFICIAL.

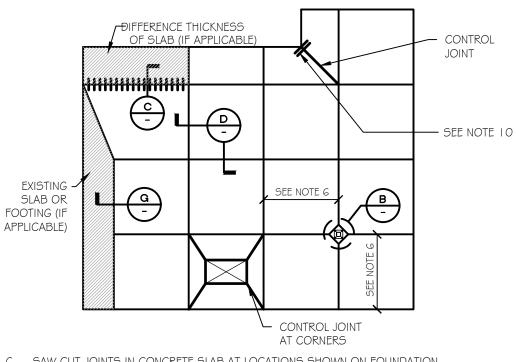
REINFORCING LAPS AT CONC.
WALL AND FOOTING INTERSECTION

ALL CONCRETE MATERIAL AND WORKMANSHIP SHALL CONFORM AT ACI 318-14 AND TO ALL REQUIREMENTS OF ACI 301-14, SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, EXCEPT AS MODIFIED BY THE SUPPLEMENT REQUIREMENTS BELOW. SEE CONCRETE NOTES ON SHEET S1.2 FOR ADDITIONAL INFORMATION. IF MOISTURE BARRIER IS REQUIRED BY SOILS ENGINEER OR ARCHITECT. PROVIDE

2" MINIMUM COMPACTABLE GRANULAR FILL OVER BARRIER UNLESS OTHERWISE NOTED IN SOIL REPORT. MIX DESIGN REQUIREMENTS: a) THE CONCRETE SUPPLIER MUST BEAR THE TOTAL RESPONSIBILITY THAT THE MIX DESIGNS WILL ATTAIN THE REQUIRED STRENGTH AND ACCEPTABLE SHRINKAGE CHARACTERISTICS. ACCEPTANCE OF MIX DESIGN BY THE ENGINEER WILL BE BASED ONLY ON CONFORMANCE OF SPECIFIED DESIGN STRENGTH, DESIGN SLUMP, AND AGGREGATE SIZE.

b) SEE TABLE UNDER CONCRETE NOTES ON THIS SHEET FOR CONCRETE STRENGTH REQUIREMENTS. HOT WEATHER CONCRETING: COMPLY WITH THE RECOMMENDATIONS OF SECTION 7.6 ACI 30 I REGARDING PLACING OF CONCRETE DURING HOT WEATHER.

BY PROVIDING A TEMPERATURE CONTROLLED MIX AND PROTECTING THE CONCRETE SURFACE FROM RAPID WATER EVAPORATION AS DESCRIBED IN ACI 305R, SHALL APPLY. b) WHEN THE RATE OF EVAPORATION EXCEEDS 0.2 POUNDS PER SQUARE INCH PER HOUR. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS AGAINST PLASTIC SHRINKAGE CRACKING AS DESCRIBED



SAW CUT JOINTS IN CONCRETE SLAB AT LOCATIONS SHOWN ON FOUNDATION PLAN. SAW CUT JOINTS AS SOON AS THE SLAB WILL SUPPORT THE WEIGHT OF THE SAW AND OPERATOR WITHOUT DISTURBING THE FINAL FINISH. THE DISTANCE BETWEEN SAW CUT JOINTS SHALL BE 24 (8'-0" MIN.) TO 30 (16'-0" MAX.) TIMES THE SLAB THICKNESS, UNLESS OTHERWISE NOTED THE CONTROL JOINT SYSTEM SHOULD DIVIDE THE SLAB INTO SECTIONS OF NOT MORE THAN 250 SQUARE FEET OF SURFACE AREA, U.N.O. IF JOINTS NEED SUPPORT AT EDGES TO WITHSTAND THE ACTION OF SMALL HARD-WHEEL TRAFFIC. THIS ENGINEER RECOMMENDS FILLING THE JOINTS WITH AN EPOXY JOINT FILLER IF SUCH USAGE IS ANTICIPATED.

MAXIMUM RATIO OF LONG SIDE TO SHORT SIDE SHALL BE | 1/2 : 1 PROVIDE CONSTRUCTION JOINT AT THE END OF CONCRETE PLACEMENT FOR PROVIDE 2- #4 X 4'-0" LONG AT 4" O.C. AT MID-DEPTH OF SLAB AT

CORNERS OF BLOCK-OUTS AND AT RE-ENTRANT CORNERS WHERE CONTROL JOINTS DO NOT OCCUR AND WHEN RE-ENTRANT CORNERS OR BLOCKOUTS EXCEED 15% OF THE PIECE OF SLAB SEE FOUNDATION PLAN FOR ADDITIONAL INFORMATION. CONTRACTOR MUST FAMILIARIZE THEMSELVES WITH THE SOILS REPORT FOR SUBGRADE/SUB SLAB PREPARATION AND FOLLOW ALL RECOMMENDATIONS. ANY FLOOR SLAB HOLES FROM THE ATTACHMENT OF PANEL CHAMFER AND REVEAL STRIPES SHALL BE PROPERLY PATCHED PRIOR TO SEALING

BUILDING SLAB IS NOT DESIGNED TO SUPPORT CRANE LOADS. CONCRETE MIXING TRUCKS, OR OTHER SPECIFIC CONSTRUCTION LOADINGS, IF SUCH LOADS OCCUR DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO UPGRADE THE SLAB THICKNESS AND PROVIDE ADDED REINFORCING AS REQUIRED. ANY DAMAGE CAUSED TO THE SLAB SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE PER THE OWNERS REQUEST

WHERE DEPRESSIONS OCCUR IN THE SLAB BELOW THE NORMAL T.O. SLAB ELEVATION TO ACCOMMODATE THE REQUIREMENTS OF THE ARCHITECTS OR PLUMBING PLANS. THE SLAB SHALL BE THICKENED TO MEET THE REQUIRED SLAB THICKNESS REQUIRED BY THE FOUNDATION PLAN. SEE THIS DETAIL FOR OTHER REQUIREMENTS THE MINIMUM SLAB THICKNESS IS 4"

THE MINIMUM SLAB REINFORCEMENT FOR SLABS UP TO 5" THICK IS 1 1/2" lbs. OF FIBERMESH PER CUBIC YARD OF CONCRETE U.N.O. THE MINIMUM SLAB REINFORCEMENT FOR SLABS 5" THICK \$ UP IS #4 @ | 8" O.C. E.W. CENTERED IN THE SLAB

SEE NOTE #10 (PROVIDE WHERE CONTROL JOINT DOES NOT OCCUR) CONTROL .

JOINTS

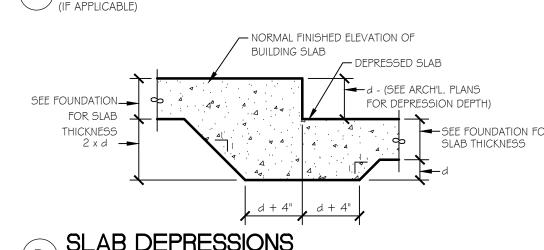
THICKER SLAB SIDE - 3/4" SQ. CUSHION DOWELS x I 6" LONG @ | 2" O.C. CUSHIONING TO OCCUR AT SIDES OF DOWELS ONLY NOTE: THE OWNER MAY CHOOSE TO USE #5 REBAR DOWELS x 16" LONG @12" O.C. OR 3/4" Ø x 16" LONG SMOOTH DOWELS @ I 2" O.C. THIS OPTION MAY RESULT IN MORE SLAB CRACKING.

ISOLATION JOINT

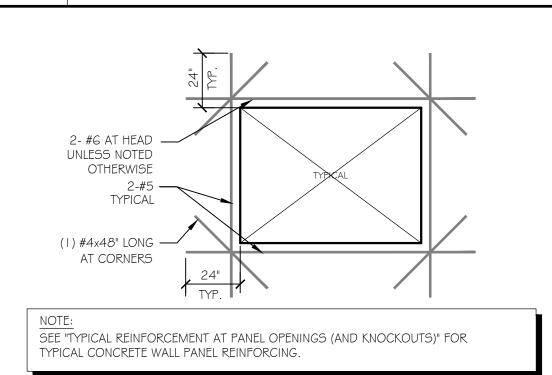
(PROVIDE BOND

BRFAKFR)

JOINING OF SLABS OF DIFFERENT THICKNESSES



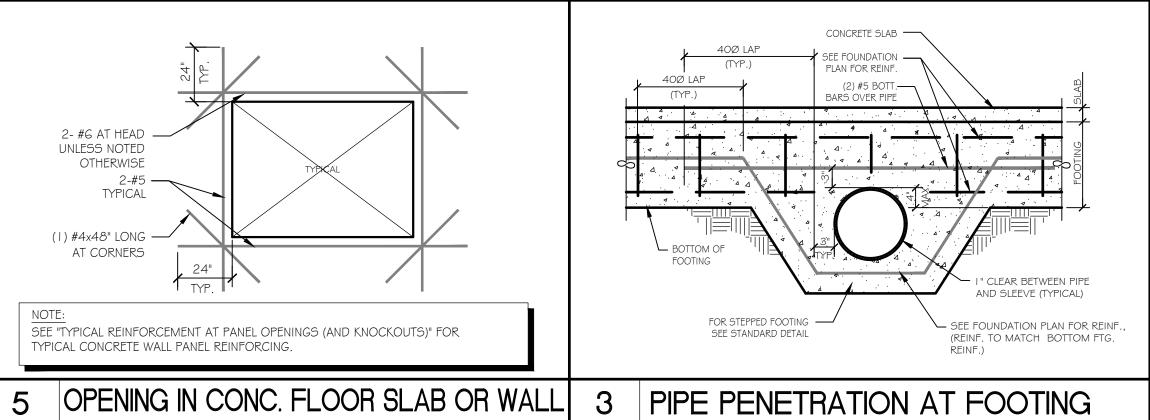
TYPICAL SLAB ON GRADE



DOUBLE

TERMINATION OF CONCRETE

THIS DETAIL DOES NOT APPLY TO PAD FOOTINGS



ALL CONCRETE MATERIALS AND WORKMANSHIP SHALL CONFORM TO CHAPTER 19 OF THE 2022 CALIFORNIA BUILDING CODE TO ALL REQUIREMENTS OF ACI 318-14. SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, EXCEPT AS MODIFIED BY THE SUPPLEMENT REQUIRED BELOW. MIX DESIGN REQUIREMENTS:

REINFORCING IS ONLY REQUIRED IF THERE

PROVIDE MAXIMUM 1/8" RADIUS

TOOLED EDGE WHERE JOINTS

ARE TO BE FILLED, SAW CUT

THE TOOLED JOINT.

– WRAP W/ FOAM OR COAT

W/ GREASE ONE END OF

APPLY BOND BRAKER TO

APPROVED CAULKING

CONCRETE SLAB

EW CONCRETE

REINFORCING IS ONLY REQUIRE

IF THERE IS REINFORCING

AFTER CONCRETE

IS IN PLACE

-#5 BARS x16" LONG @12" O.C. (@ SLABS: W/ 3/4"

CHOOSE TO USE #5 REBAR DOWELS x 16" LONG

MAY RESULT IN MORE SLAB CRACKING.)

SAW-CUT CONTROL JOINT

FILL JOINT W/ ELASTOMERIC

- 5/8" SMOOTH ROD x 16" LONG W/ SAW CUT

ENDS (FULLY GREASED @ 24" O.C. IN PRE-

ONLY IN SLABS W/ REINFORCING BARS

CUT EVERY OTHER REINFORCING BAR (BARS

CONTROL JOINT) I" E.S. OF CONTROL JOINT

RUNNING PERPENDICULAR TO THE SAW CUT

SAW-CUT CONTROL JOINT.

FILL JOINT W/ ELASTOMERIC

MANUFACTURED DOWEL BASKET ASSEMBLY. SEE

- SLAB - SEE FOUNDATION

*SEE REINFORCING DETAIL

REBAR IS REQUIRED AS

SLAB REINFORCEMENT

FOR REBAR LAPS IF

PLAN FOR MORE INFO.

JOINING (E) CONCRETE W/ (N) CONCRETE

SLAB CONTROL JOINT-OPTION 1 NOTE ABOVE FOR ADDITIONAL INFORMATION

TERMINATE REINFORCING

OF CONTROL JOINT

WITH IN 12"

@ I 2" O.C. W/ OUT THE 3/4" CUSHION. THIS OPTION

CUSHION ON SIDES OF DOWELS. NOTE: THE OWNER MAY

JOINT PRIOR TO SECOND

DOWEL TO ASSURE SLIPPAGE

IS REINFORCING IN THE SLAB (DOWELS

ARE ALWAYS REQUIRED)

5/8" SMOOTH ROD x I 6" —

JOINT. AND LEVE

12" MAX TY

3" MIN. TYP

WALLS AND FOUNDATIONS

1/8" RADIUS (TYP.) —

1/2" PREFORMED FIBER —

EXPANSION JOINT, HOLD

1/2" DOWN FROM TOP

CONTROL J

USF SIMPSON -

SET-XP EPOXY

12" MAX. TYP.

RECOMMENDED METHOD

OWNER MY CHOOSE THIS

OPTION OVER OPTION

SLAB CONTROL JOINT-OPTION 2 (2" TOTAL)

CONTROL JOINT

LONG @ 12" O.C.. DOWELS

SHALL BE INSTALLED @ SLAB

CENTERLINE, PERPENDICULAR TO JOINT, CENTERED ON THE

TERMINATE REINFORCING—

WITHIN 12" OF CONSTRUCTION

a) CONCRETE MIX SHALL BE PLACED WITH THE FOLLOWING CEMENT TYPES. MAXIMUM WATER/CEMENT RATIOS, COMPRESSIVE STRENGTHS (fc), AND MAXIMUM SIZE AGGREGATE. SULFATE EXPOSURE SHALL BE OBTAINED DIRECTLY BY THE CONTRACTOR FROM THE PROJECT'S SOILS ENGINEER AT THE TIME OF THE BUILDING PADS CONSTRUCTION

CEMENT TYPE	MAXIMUM WATER/ CEMENT	f'c (PSI) MIN @ 28 DAYS U.N.O.				
		S.O.G.	FOUND.	WALLS* COLUMN BEAMS	FLATWORK	PLYWOO TOPPING SLAB
II	0.45	2500	2500	N/A	2500	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
GATE		1 1/2"	1 1/2"	1"	3/8	3/8
	II N/A N/A	CEMENT TYPE CEMENT II 0.45 N/A N/A N/A N/A N/A N/A	CEMENT TYPE CEMENT S.O.G. II 0.45 2500 N/A N/A N/A N/A N/A N/A N/A N/A	CEMENT TYPE MAXIMUM WATER/CEMENT S.O.G. FOUND. II 0.45 2500 2500 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	CEMENT TYPE CEMENT S.O.G. FOUND. COLUMN BEAMS II 0.45 2500 2500 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	CEMENT TYPE MAXIMUM WATER/CEMENT S.O.G. FOUND. WALLS* COLUMN BEAMS FLATWORK II 0.45 2500 2500 N/A 2500 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A

* SEE PANEL ELEVATIONS (WHERE APPLICABLE) FOR SPECIAL MINIMUM fc. WHERE SULFATES ARE PRESENT, THE ABOVE TABLE SHALL GOVERN IF THE TABLE VALUES ARE HIGHER. WALLS I'C ALSO IS APPLICABLE FOR RETAINING WALLS. b) CONCRETE SLUMP SHALL BE DESIGNED TO 4". ALL CONCRETE WITH SLUMPS IN

EXCESS OF 5" SHALL BE REJECTED AND NOT USED.

c) THE CONCRETE SUPPLIER MUST BEAR THE TOTAL RESPONSIBILITY THAT THE MIX DESIGNS WILL ATTAIN THE REQUIRED STRENGTH AND SHRINKAGE CHARACTERISTICS. ACCEPTANCE OF MIX DESIGN WILL BE BASED ONLY ON CONFORMANCE OF SPECIFIED DESIGN STRENGTH AND DESIGN SLUMP.

PIPE MAY PASS THROUGH STRUCTURAL CONCRETE IN SLEEVES, BUT SHALL NOT BE EMBEDDED THEREIN. SLEEVES SHALL BE WRAPPED WITH EXPANSION JOINT FILLER MATERIAL TO ALLOW CONCRETE TO CURE WITHOUT RESTRAINT. PIPES OR CONDUITS EXCEEDING ONE-THIRD THE SLAB OR WALL THICKNESS SHALL NOT BE IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILS SEE MECHANICAL AND / OR ELECTRICAL DRAWINGS FOR LOCATION OF SLEEVES, ACCESSORIES, ETC. ALL REINFORCING STEEL, WIRE MESH, ANCHOR BOLTS, HOLDOWN ANCHORS, AND

OTHER INSERTS SHALL BE SECURED IN POSITION AND INSPECTED BY THE BUILDING OFFICIAL PRIOR TO PLACING CONCRETE. LOCATION OF CONSTRUCTION OR POUR JOINTS NOT SPECIFIED IN THESE DRAWINGS

MUST BE REVIEWED BY THE ENGINEER. REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, OR ACCESSORIES REQUIRED TO BE CAST IN CONCRETE, AND FOR LOCATIONS OF FLOOR

FINISHES AND SLAB DEPRESSIONS HORIZONTAL CONSTRUCTION JOINTS SHALL HAVE ENTIRE SURFACE REMOVED TO EXPOSED CLEAN AGGREGATE SOLIDLY EMBEDDED.

THE CONTRACTOR SHALL FURNISH AND INSTALL 1/2" PRE-MOLDED EXPANSION JOINTS IN ALL EXTERIOR WALKS AND SLABS AS INDICATED ON DRAWINGS, BUT IN NO CASE MORE THAN 24'-0" O.C.

FOUNDATION PLATES OR SILLS SHALL BE BOLTED TO THE FOUNDATION OR FOUNDATION WALL WITH NOT LESS THAN 5/8" NOMINAL DIAMETER STEEL ANCHOR BOLTS EMBEDED AT LEAST 7" INTO THE CONCRETE OR MASONRY AND SPACED NOT MORE THAN 4' APART. THERE SHALL BE A MINIMUM OF TWO BOLTS PER PIECE WITH ONE BOLT LOCATED WITHIN 12" OF EACH END OF EACH PIECE NOT CLOSER THAN 7 BOLT DIA. FROM THE END OF EACH PIECE. A NUT AND 3x3x1/4 PLATE WASHER SHALL BE TIGHTENED ON EACH BOLT TO THE PLATE.

WATER USED IN MIXING CONCRETE SHALL BE CLEAN AND FREE FROM INJURIOUS AMOUNTS OF OILS, ACIDS, ALKALIS, SALTS, ORGANIC MATERIALS OR OTHER SUBSTANCES THAT MAY BE DELETERIOUS TO CONCRETE OR REINFORCEMENT. NONPOTABLE WATER SHALL NOT BE USED IN CONCRETE

CONCRETE SHALL BE DEPOSITED AS NEARLY AS PRACTICABLE IN ITS FINAL POSITION TO AVOID SEGREGATION DUE TO REHANDLING OR FLOWING. CONCRETE SHALL BE CARRIED 'N AT SUCH A RATE THAT CONCRETE IS AT ALL TIMES PLASTIC AND FLOWS READIL INTO SPACES BETWEEN REINFORCEMENT CONCRETE THAT HAS PARTIALLY HARDENED OR BEEN CONTAMINATED BY FOREIGN MATERIAL SHALL NOT BE DEPOSITED IN THE

. ADDITIVES AND ADMIXTURES TO CONCRETE SHALL NOT BE USED UNLESS APPROVED BY THE ENGINEER OF RECORD.

THE EXTERIOR FLATWORK SHOULD BE POURED SEPARATELY IN ORDER TO ACT INDEPENDENTLY OF THE WALLS AND FOUNDATION SYSTEM. SEE CIVIL / ARCH. PLANS FOR EXTERIOR FLATWORK INFO. . FOOTINGS SHALL BE LOCATED ON CENTER LINE OF WALL. PILASTER. OR COLUMN

UNLESS OTHERWISE NOTED. . AGGREGATES SHALL CONFORM TO ASTM C33.

ENGINEER. MIXES SHALL CONFORM TO APPLICABLE BUILDING CODE REQUIREMENTS, REGARDLESS OF OTHER MINIMUM REQUIREMENTS SPECIFIED HEREIN OR ON THE DRAWINGS. MIX DESIGNS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE USE. DESIGNS SHALL SHOW PROPORTIONS OF CEMENT, FINE AND COARSE AGGREGATES AND WATER, AND GRADATION OF COMBINED AGGREGATES.

PROVIDE 3/4" CHAMFER AT EXPOSED EDGES OF CONCRETE, UNLESS OTHERWISE

. SECURE REINFORCING, ANCHOR BOLTS, INSERTS, ETC. RIGIDLY IN PLACE PRIOR TO

. SUPPORT HORIZONTAL REINFORCING ON GALVANIZED CHAIRS EXCEPT MORTAR BLOCKS OR OTHER APPROVED METHOD OF SUPPORT AT FOOTINGS, AND SLABS ON GRADE. NOTE THAT BRACING AND LIFT INSERTS, AND CHAIRS AT TILT-UP PANELS, NEED NOT BE GALVANIZED BUT SHALL HAVE PLASTIC TIPS.

REMOVE FORMS AT FOLLOWING MINIMUM TIMES AFTER POURING: AT SLAB EDGES -24 HOURS: AT WALLS LESS THAN 4' HIGH - 36 HOURS.

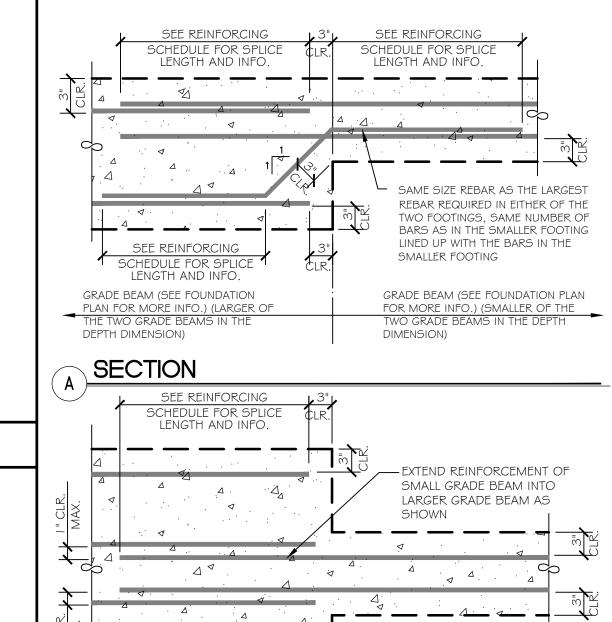
CONSTRUCT FORMWORK TO MAINTAIN TOLERANCE AS OUTLINED IN ACI 347.

FORMWORK SHALL BE REUSED IN ACCORDANCE WITH ACI 347.

TRENCHING OF GRADE BEAMS SHALL BE EXCAVATED IN ORDER TO PROVIDE THE BEAM CROSS SECTION INDICATED. BEAM AND SLAB DEPTHS AND WIDTHS AS INDICATED ARE MINUMUM ACCEPTABLE SIZES. LARGER SIZE BEAMS AND SLABS FORMED BY LESS ACCURATE TRENCHING MAY REQUIRE ADDITIONAL REINFORCING NOT SHOWN WHICH SHALL BE DETERMINED BY THE ENGINEER DURING CONSTRUCTION REVIEW. ALL LOOSE DIRT FROM SIDES AND BOTTOMS OF TRENCHES SHALL BE REMOVED. HAUCHES SHALL BE CUT ON EACH SIED OF TRENCHS OF ADEQUATE SIZE TO MAINTAIN THE VERTICAL

SIDES OF THE TRENCH. . WHERE HILTI EPOXIES ARE SPECIFIED IN THESE PLANS THE CONTRACTOR MAY SUBSTITUTE AN APPROVED EQUAL (IE SIMPSON STRONG TIE, ETC.)

CONCRETE NOTES



GRADE BEAM (SEE FOUNDATION GRADE BEAM (SEE FOUNDATION PLAN FOR MORE INFO.) PLAN FOR MORE INFO (LARGER OF THE TWO GRADE BEAMS (SMALLER OF THE TWO GRADE BEAMS IN THE PLAN DIMENSION IN THE PLAN DIMENSION)

PLAN VIEW

SPLICE AT DIFFERENT SIZE GRADE BEAMS

Drawn By:

Checked By:

SELMA, CA 93662

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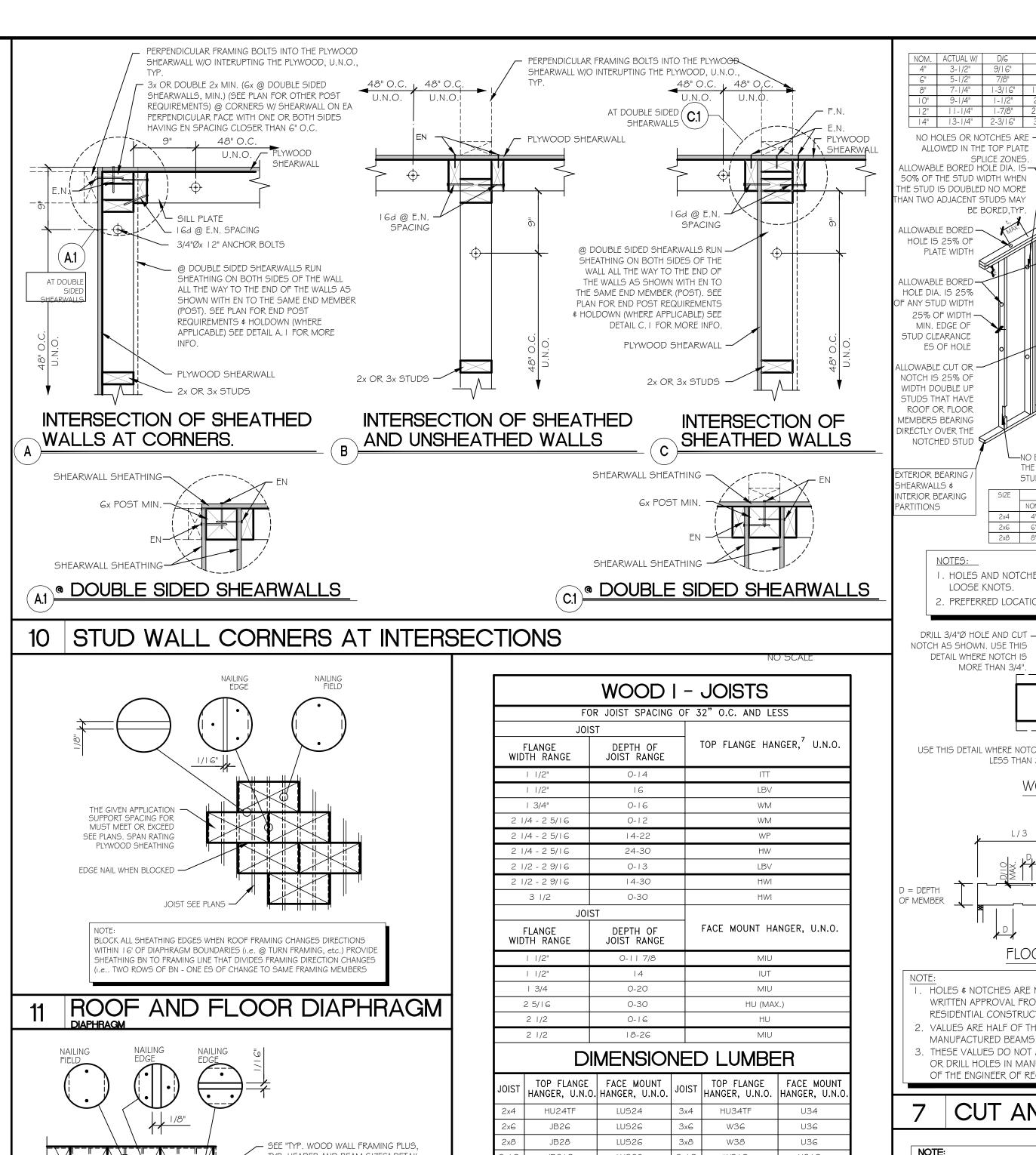
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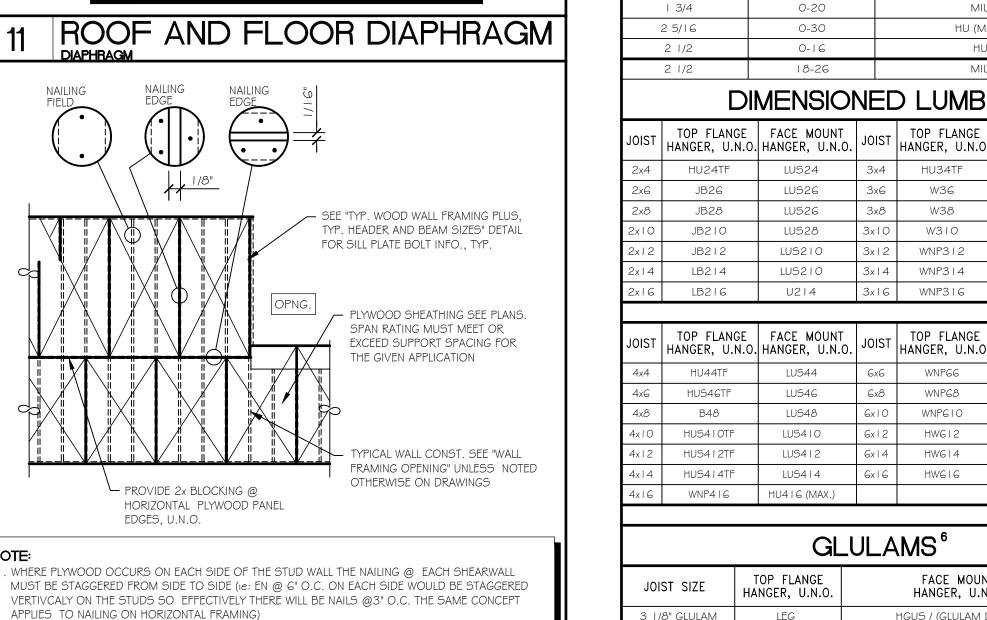
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STANDARD NOTES CVEAS Job # :

AS NOTED





. ROTATE SHEATHING 90° FROM WHAT IS SHOWN WHEN USING 7/16" SHEATHING AND THINNER. TYP.

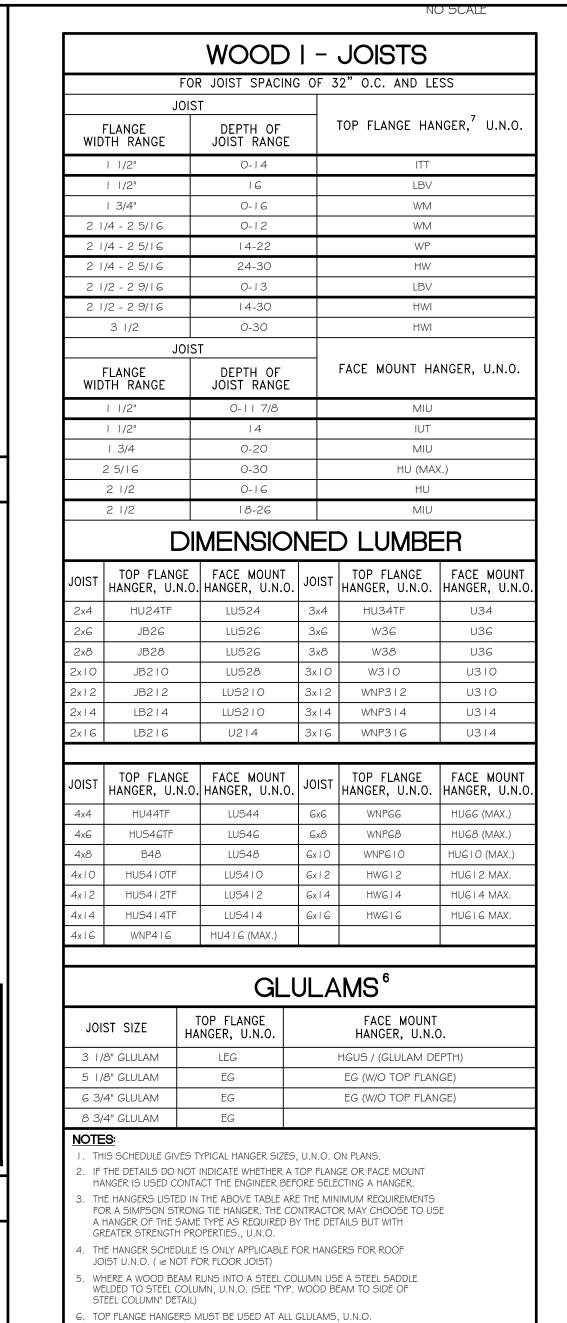
. WHERE THE DIAPHRAGM IS CURVED "OUT OF PLANE" (CURVE RADIUS = 6' OR GREATER) USE THREAD

NAILS W/ THE SAME MIN DIA. \$ LENGTH CHARACTERISTICS SPECIFIED \$ WHEN THE CURVE RADIUS IS

LESS THAN 6' (2 1/2' MIN) USE WOOD SCREWS W/ SIM OR GREATER DIA. AS NAIL REQUIREMENT \$ 3

. VERTICAL PANEL JOINTS MAY LINE UP WHEN THE STUD @ THE JOINT IS A 3x OR GREATER STUD.

12 SHEAR WALL DIAPHRAGM

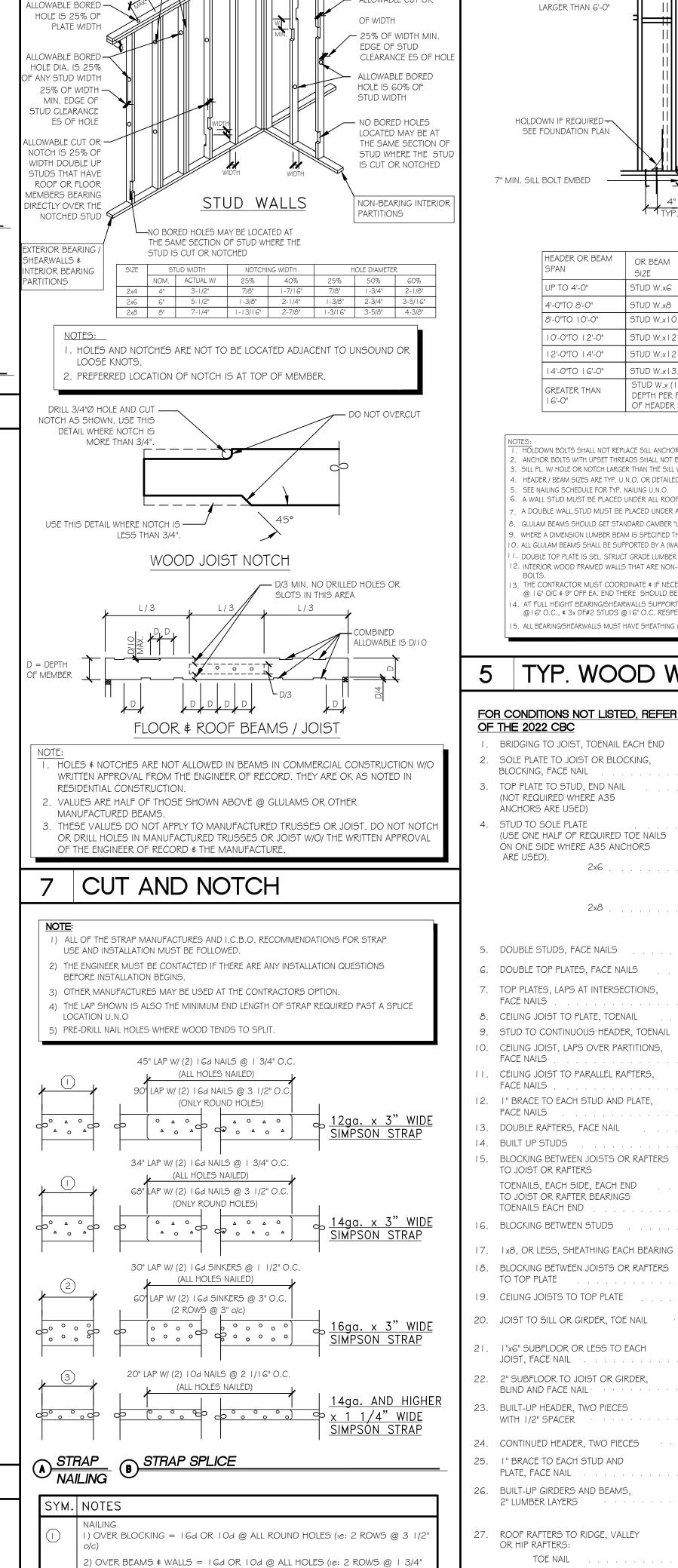


A TOP FLANGE HANGERS MUST BE USED AT ALL WOOD I-JOIST, U.N.O.

SEE JOIST MANUFACTURES PLANS FOR MORE INFO

HANGERS FOR MANUFACTURED JOIST ARE SPECIFIED BY THE JOIST MANUFACTURE.

TYP. HANGER SCHEDULE



3) RUN THE END OF THE STRAP THE FULL LENGTH SHOWN GRAPHICALLY AND /

1) OVER BLOCKING = 16d SINKERS @ ALL ROUND HOLES (ie: 2 ROWS @ 3" o/

2) OVER BEAMS \$ WALLS = 16d SINKERS @ ALL HOLES (ie: 2 ROWS @ 1 1/2" of

3) RUN THE END OF THE STRAP THE FULL LENGTH SHOWN GRAPHICALLY AND / OF

2) RUN THE END OF THE STRAP THE FULL LENGTH SHOWN GRAPHICALLY AND / O

8 STEEL COIL STRAP NAILING AND SPLICE

OR DIMENSIONALLY ON THE PLAN. (SEE NOTE 4 FOR OTHER INFO.)

DIMENSIONALLY ON THE PLAN. (SEE NOTE 4 FOR OTHER INFO.)

DIMENSIONALLY ON THE PLAN. (SEE NOTE 4 FOR OTHER INFO.)

1) ALL STRAP HOLES MUST BE NAILED W/ 10d NAILS, TYP.

NO NOTCHING IS ALLOWED IN

ALLOWABLE BORED

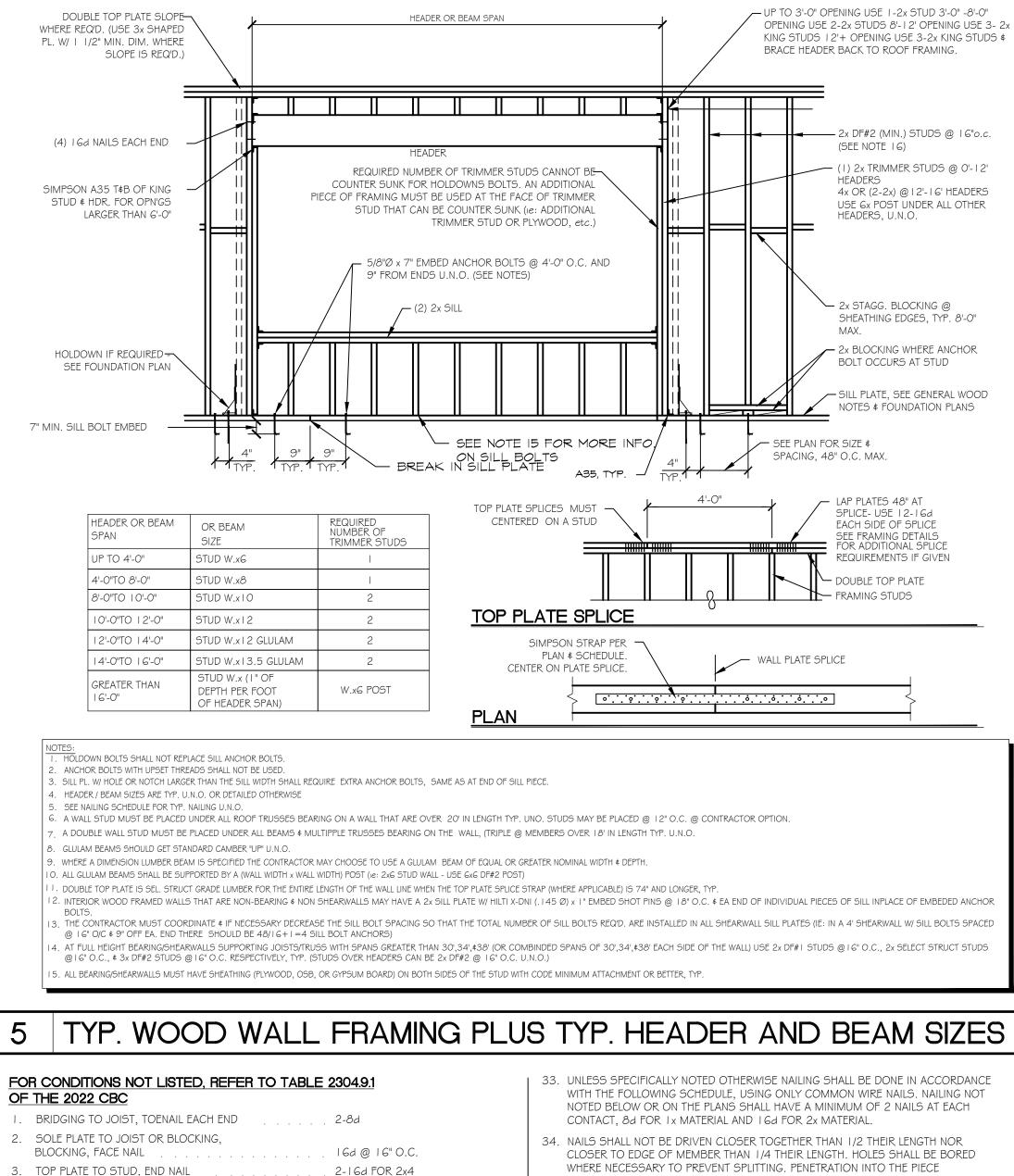
ALLOWABLE CUT OR

HOLF IS 40% OF

PLATE WIDTH

TOP PLATES

BE BORED, TYP



5 TYP. WOOD WALL FRAMING PLUS TYP. HEADER AND BEAM SIZES

١.	DRIDGING TO JOIST, TOENAIL EACH END	2-0a	CONTACT, 8d FOR TX MATERIAL AND 16d FOR 2X MATERIAL.
2.	SOLE PLATE TO JOIST OR BLOCKING, BLOCKING, FACE NAIL	16d @ 16" O.C.	34. NAILS SHALL NOT BE DRIVEN CLOSER TOGETHER THAN 1/2 THEIR LENGTH NOR CLOSER TO EDGE OF MEMBER THAN 1/4 THEIR LENGTH. HOLES SHALL BE BORED
3.	TOP PLATE TO STUD, END NAIL (NOT REQUIRED WHERE A35	3-16d FOR 2x6	WHERE NECESSARY TO PREVENT SPLITTING. PENETRATION INTO THE PIECE RECEIVING THE POINT SHALL NOT BE LESS THAN 1/2 THE LENGTH OF THE NAIL.
4	ANCHORS ARE USED)	4-16d FOR 2x8	35. WHERE POSSIBLE NAILS DRIVEN PERPENDICULAR TO GRAIN SHALL BE USED INSTEAD OF TOE NAILS.
4.	· ·	OR 2-16d ENDNAILS W/ 2x SILL	36. BUILT UP BEAMS, JOIST, AND RAFTERS:
	2x6	G-8d TOENAILS OR 3-1 Gd ENDNAILS W/ 2x SILL	TYPICAL 12", 12", 16d SPACED AS SHOWN
	2x8	8-8d TOENAILS OR 4-1 Gd ENDNAILS W/ 2x SILL	10" IN DEPTH OR LESS {
5.	DOUBLE STUDS, FACE NAILS	16d @ 12" O.C. STAGGERED	SPACED AS SHOWN
6.	DOUBLE TOP PLATES, FACE NAILS	16d @ 16" O.C.	MORE THAN 10" IN DEPTH {
7.	TOP PLATES, LAPS AT INTERSECTIONS, FACE NAILS	2-16d	1 2" TYP. T.¢B.
8.	CEILING JOIST TO PLATE, TOENAIL		37. FOR PLYWOOD SHEATHING, SEE DIAPHRAGM DETAILS AND SCHEDULES. VERTICAL
9.	STUD TO CONTINUOUS HEADER, TOENAIL	4-8d	PANELS OF EXTERIOR GRADE PLYWOOD NOT INCLUDED IN THE PLYWOOD SHEATHING SCHEDULE SHALL BE NAILED WITH 8d AT 6" O.C. AT PERIMETER OF PANELS AND
10.	CEILING JOIST, LAPS OVER PARTITIONS, FACE NAILS	3-16d	8d AT 12" O.C. AT INTERMEDIATE BEARINGS. (a) WHERE THE DIAPHRAGM IS CURVED "OUT OF PLANE" (CURVE
11.	CEILING JOIST TO PARALLEL RAFTERS, FACE NAILS		RADIUS = 6' OR GREATER) USE THREADED NAILS W/ THE SAME MIN DIA. \$ LENGTH CHARACTERISTICS SPECIFIED \$ WHEN THE CURVE
12.	I " BRACE TO EACH STUD AND PLATE, FACE NAILS		RADIUS IS LESS THAN 6' (2 1/2' MIN) USE WOOD SCREWS W/ SIM OR GREATER DIA. AS NAIL REQUIREMENT \$ 3" LONG MIN.
13.	DOUBLE RAFTERS, FACE NAIL	16d @ 12" O.C.	

16d @ 24" O.C.

. 2-10d

. 2-10d

2-16d OR

2-10d TOENAILS

3-8d TOENAILS

3-8d TOENAILS

2 STAPLES | 3/4"

EACH END

EACH END

EACH SPLICE.

4-16d

· 3-16d

16d @ 16" O.C. ALONG

16d @ 16" O.C. ALONG

10d NAIL EACH LAYER AS

FOLLOW: 32" O.C. AT TOP AND BOTTOM AND STAGGERED

TWO NAILS AT ENDS AND AT

. 3-16d OR FM HANGER @ 2x4

4-16d OR FM HANGER @ 2x6 5-16d OR FM HANGER @ 2x8

6-16d OR FM HANGER @ 2x10

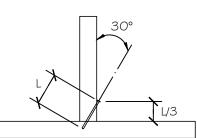
7-16d OR FM HANGER @ 2x12

FM HANGER @ WOOD I-JOIST

- 38. STUDS TO BEARINGS USE TOE NAILS EACH SIDE: 2x4-(2) 10d, 2x6-(3) 10d, 2x8-(4) 10d. STUDS OVER 14'-0" HIGH AT EXTERIOR WALLS, PROVIDE A FRAMING CLIP ON ONE SIDE AT EACH END OF STUD IN LIEU OF TOE NAILS ON THAT SIDE.
- 40. DOUBLE TOP PLATE NAILING LEGEND: (A) LOWER PLATES (TO STUD): 2x4-(2) | 6d, 2x6-(3) | 6d, 2x8-(4) | 6d. (SEE NOTE NO. 7 FOR STUDS OVER 14' HIGH.)
- (B) UPPER PLATE TO LOWER PLATE, 16d NAILS:

(C) UPPER PLATE TO LOWER PLATE AT SPLICE: (8) 16d STAGGERED

- 42. MULTIPLE STUDS AT CORNERS AND INTERSECTIONS (AT CONTACTS): 16a @ 12" O.C. 43. DOUBLE JOIST UNDER PARTITIONS: WHERE NOT BLOCKED APART, WILL BE SAME AS BUILT UP BEAMS NOTE NO.5.
- WHERE BLOCKED APART (AT EACH BLOCK SIDE): (2) 16d. 44. TOE-NAILS SHALL BE DRIVEN AT AN ANGLE OF APPROXIMATELY 30° WITH THE MEMBER AND STARTED APPROXIMATELY 1/3 THE LENGTH OF THE NAIL FROM



NAILS SHALL NOT BE DRIVEN CLOSER TOGETHER THAN THE MINIMUM SPACING HOLES SHALL BE BORED WHERE NECESSARY TO PREVENT SPITTING

PENNY WEIGHT (SIZE)	NAIL DIAMETER	MINIMUM PENETRATION * AND SPACING
6d	.113	1.36"
8d	.131	1.57"
10d	.148	1.78"
16d	.162	1.94"
20 <i>d</i>	.192	2.30"

6 NALIING SCHEDULE

29. ALL NAILS EXPOSED TO THE WEATHER SHALL BE GALVANIZED.

31. JOISTS/TRUSSES OR RAFTERS AT BEARING,

32. CEILING/SOFFIT JOISTS TO PERPENDICULAR

30. JOIST TO LEDGER 3- I 6d (ONLY @ JOISTS W/ TOTAL LENGTH OF 4' OR LESS

TO JOIST OR RAFTERS

TOENAILS EACH END

TO TOP PLATE

JOIST, FACE NAIL

WITH 1/2" SPACER

PLATE, FACE NAIL

2" LUMBER LAYERS

TOENAIL EACH SIDE

LEDGER/BEAM

BLIND AND FACE NAIL .

TOENAILS, EACH SIDE, EACH END

TO JOIST OR RAFTER BEARINGS

33. UNLESS SPECIFICALLY NOTED OTHERWISE NAILING SHALL BE DONE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE. USING ONLY COMMON WIRE NAILS. NAILING NOT NOTED BELOW OR ON THE PLANS SHALL HAVE A MINIMUM OF 2 NAILS AT EACH

39. BLOCKING BETWEEN STUDS, EACH END: (2) 10d TOE NAILS TOP \$ BOTTOM

H. MULTIPLE MEMBERS (KING, TRIMMER, POSTS) STICHED NAIL TOGETHER. STAGGER NAILS FOR STUD WIDTHS OVER 4": 16d @6" O.C.

45. NAILS SHALL ACHIEVE THE MINIMUM PENETRATION SPECIFIED IN THE TABLE BELOW NOR CLOSER TO THE MEMBERS END OR EDGE THAN 1/2 THE MINIMUM SPACING.

46. NAILS USED IN PRESSURE TREATED LUMBER SHALL BE HOT DIPPED GALVANIZED.

UNLESS SPECIFICALLY SHOWN OTHERWISE, BOLTS WHERE CALLED FOR ON THE DRAWINGS SHALL ALL BOLTS AND LAG SCREWS SHALL BE PROVIDED WITH STANDARD STEEL WASHERS UNDER HEAD AND NUTS WHICH BEAR ON WOOD ACCORDING TO THE WASHER SCHEDULE ON THIS BOLTS AND SCREWS SHALL BE TIGHTENED AT TIME OF ERECTION AND RE-TIGHTENED BEFORE

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SILL PLATES OF INTERIOR WALLS THAT ARE COVERED WITH STRUCTURAL PLYWOOD (SHEAR PANEL) AND EXTERIOR WALLS, SHALL BE FOUNDATION GRADE REASSURE TREATED D.F. 2x OR 3x (SEE SHEARWALL SCHEDULE) THICK AND OF SAME WIDTH AS STUDS. ALL OTHER WALLS THE

SAME EXCEPT PLATES SHALL BE 2x THICK PRESSURE TREATED FIR. PRESSURE TREATED D.F. SHALL BEAR THE AWPB QUALITY MARK AND ALL CUTS OR HOLES SHALL BE RE-TREATED PRIOR TO INSTALLATION.

NO SILL PLATE PIECE SHALL END WITHIN THE LENGTH OF SHEAR PANEL UNLESS SPECIFICALLY SHOWN AND DETAILED ON THE PLANS.

BEARING WALLS AND PARTITIONS SHALL HAVE DOUBLE TOP PLATES, PROVIDE METAL FRAMING ANCHOR AT EACH SIDE OF TOP PLATE AT INTERSECTING WALL PARTITIONS.

A. IN HORIZONTAL PLYWOOD DIAPHRAGMS, NO PANEL LESS THAN 24" WIDE SHALL BE USED. IN VERTICAL PLYWOOD DIAPHRAGMS, NO PANEL LESS THAN 12" WIDE SHALL BE USED.

B. ANY PIECE OF PLYWOOD SPANNING ACROSS FEWER THAN 3 SUPPORTS SHALL BE BLOCKED ON ALL EDGES.

BE MACHINE MADE A307 TYPE.

SHEET, UNLESS SPECIFICALLY NOTED OTHERWISE

CLOSING IN OR AT COMPLETION OF JOB.

C. SHEAR WALL PLYWOOD SHALL BE BLOCKED ALL EDGES. ANCHOR AND/OR SILL BOLTS WITH UPSET THREADS ARE NOT PERMITTED. BOLT HOLES IN WOOD SHALL BE OVERSIZED BY 1/32". STANDARD WASHERS SHALL BE USED UNDER ALL HEADS AND NUTS BEARING ON WOOD

ALL BOLTS IN WOOD SHALL BE SPACED FOUR DIAMETERS MINIMUM AND SEVEN DIAMETERS MINIMUM END DISTANCE, UNLESS OTHERWISE NOTED. PREDRILL HOLES WHERE WOOD TENDS TO SPLIT.

LUMBER SHALL BE GRADED IN ACCORDANCE WITH ANSI/AF#PA NDS-2018 CLASSIFICATION. DEFINITION AND METHODS OF GRADING FOR ALL SPECIES OF LUMBER. SOLID SAWN LUMBER SHALL BE GRADE MARKED DOUGLAS FIR 19% MOISTER CONTENT MAXIMUM AS FOLLOWS: a) HORIZONTAL FRAMING MEMBERS (JOIST, RAFTERS, & BEAMS): D.F. #2 U.N.O.

b) VERTICAL FRAMING MEMBERS (POST, 4x AND LARGER): D.F. #1 (STUDS 2x AND 3x): D.F. #2

c) PLANKING, 2" OR MORE IN DEPTH: D.F. #2 STRUCTURAL GLUED-LAMINATED TIMBER SHALL CONFORM TO ANSI / AITC STANDARD A | 90. |

AND ASTM D3737. THE FABRICATION SHALL BE PERFORMED IN AN APPROVED FABRICATIONS SHOP IN ACCORDANCE WITH CBC 1701 DESIGN AND MANUFACTURE OF STRUCTURAL GLUED-LAMINATED TIMBER. GLUED LAMINATED TIMBER SHALL HAVE THE FOLLOWING MATERIAL PROPERTIES: SIMPLE SPANS: COMBINATION 24F-V4 DF/DF, CANTILEVERED SPANS: COMBINATION 24F-V8 DF/ DF, FB=2400, PSI FV=165 PSI, E=1,800,00 PSI, Fc=650 PSI,

PLYWOOD SHALL CONFORM TO 2022 CBC STANDARDS CONSTRUCTION AND INDUSTRIAL PLYWOOD (5 PLY MIN.) PLYWOOD SHALL BE MANUFACTURED USING EXTERIOR GLUE. PLYWOOD DIAPHRAGMS AND SHEAR WALLS SHALL BE CONSTRUCTED WITH PLYWOOD SHEETS NOT LESS THAN 4' BY 8'. EXCEPT AT BOUNDARIES AND CHANGES IN FRAMING WHERE MINIMUM SHEET DIMENSION SHALL BE 24" UNLESS ALL EDGES OF THE UNDERSIZED SHEETS ARE SUPPORTED BY FRAMING MEMBERS OR BLOCKING. FRAMING MEMBERS OR BLOCKING SHALL BE PROVIDED AT THE EDGES OF ALL SHEETS IN SHEAR WALLS. DIAPHRAGM SHEATHING NAILS OR OTHER APPROVED SHEATHING CONNECTORS SHALL BE DRIVEN FLUSH BUT SHALL NOT FRACTURE THE SURFACE OF THE SHEATHING. SPAN RATING MUST MEET OF EXCEED SUPPORT SPACING FOR THE GIVEN APPLICATION.

LUMBER SHALL NOT BE CUT OR NOTCHED UNLESS APPROVED, IN WRITING, BY THE ENGINEER OF

. ENDS OF WOOD GIRDERS ENTERING MASONRY OR CONCRETE WALLS SHALL BE PROVIDED WITH A 1/2" AIR SPACE ON TOPS SIDES AND ENDS.

THE NUMBER AND SIZE OF NAILS CONNECTING WOOD MEMBERS SHALL NOT BE LESS THAN THAT SET FORTH IN UBC FOR STANDARD CONSTRUCTION.

SEE SPECIFICATIONS FOR GRADE REQUIRED. EXPOSED COLUMNS SHALL BE SET PLUMB WITHIN ± 1/8"

THE CONTRACTOR SHALL USE CONVENTIONAL FRAMING TECHNIQUES WHEN FRAMING THIS STRUCTURE. WHEN THE DETAILS OR PLANS DON'T SHOW OTHERWISE, CONTACT THE ENGINEER WITH ANY FRAMING QUESTIONS BEFORE BEGINNING

). ALL METAL CONNECTORS IN THESE PLANS ARE MANUFACTURED BY SIMPSON STRONG TIE. THE CONTRACTOR MAY USE A SIMILAR PRODUCT BY A DIFFERENT MANUFACTURE IF THE STRUCTU THE CONTRACTOR MUST PROVIDE DOCUMENTION THAT PROVIDES A SIDE BY SIDE COMPARISON OF THE TWO PRODUCTS FOR A GENERAL REVIEW FROM THE ENGINEER OF RECORD.

· ALL NEW FRAMING LUMBER SHALL HAVE 19 % MAX. MOISTURE CONTENT WHEN THE ROUGH FRAMING PACKAGE IS FINISHED AND BEFORE ANY ADDITIONAL INTERIOR FRAMING BEGINS. . WHEN COUNTERSINKING IS REQUIRED BY A DETAIL IN THESE PLANS. THE DEPTH OF THE COUNTERSINK CAN ONLY BE 1/4" GREATER THAN THE THICKNESS OF THE BOLT HEAD OR NUT \$

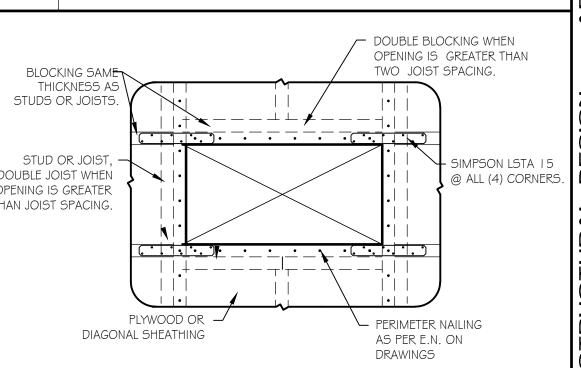
(ie: IF PLYWOOD EDGES ARE ON A STRUT AND/OR COLLECTOR LINE THERE WILL BE 4 ROWS OF BN STAGGERED IF THE STRUT AND/OR COLLECTOR IS AT THE EDGE OF A DIAPHRAGM OR IN THE MIDDLE OF A SHEET OF PLYWOOD (NOT @ EDGE OF PLYWOOD) THERE WILL BE 2 ROWS ON BN

24. ALL LAG SCREWS SHALL HAVE LEAD HOLES AS FOLLOWS

THE SAME DEPTH OF PENETRATION AS THE LENGTH OF UNTHREADED SHANK. OF THE SHANK DIAMETER IN THE WOOD AND A LENGTH EQUAL TO AT LEAST THE LENGTH OF THE FHREADED PORTION THE LARGER PERCENTILE SHALL APPLY TO LAG SCREWS OF GREATER DIAMETERS. THE THREADED PORTION OF THE LAG SCREW SHALL BE INSERTED IN ITS LEAD HOLI BY TURNING WITH A WRENCH NOT BY DRIVING WITH A HAMMER. SOAP OR OTHE LUBRICANT SHALL BE USED ON THE LAG SCREWS OR IN THE LEAD HOLES TO FACILITATE INSERTION AND

GENERAL WOOD NOTES

PREVENT DAMAGE TO THE LAG SCREW.



BLOCKING AROUND OPENING

	WASHER SCHEDULE						
BOLT	STEEL PLATE	MALLEABLE IRON	STANDARD STEEL				
SIZE	SQUARE	ROUND	CIRCULAR				
1/2"Ø	2" x 1/4"	2 1/2" x 1/4"	/ 6" x 7/64"				
5/8"Ø	2 1/2" x 1/4"	2 3/4" x 5/16"	5/16" x 9/64"				
3/4"Ø	3" x 5/16"	3" x 3/8"	l 15/32" x 5/32"				
7/8"Ø	3 1/2" x 5/8"	3 1/2" x 7/16"	3/4" x /64"				
I"Ø	3 3/4" x 7/16"	4" x 1/2"	2" x 1/64"				
1 1/8"Ø	4" x 7/16"	4 1/2" x 9/16"	2 1/4" x 3/16"				
1 1/2"Ø	4 /4" x /2"	5" x 5/8"	3" x 3/16"				

SCHEDULE

THE PREMANUFACTURED STEEL CONNECTOR STRAPS AND CLIPS WITHIN THESE PLANS ARE O BE MANUFACTURED BY SIMPSON STRONG TIE OR EQUIVALENT.

THE MANUFACTURES RECOMMENDATION FOR NAIL SIZE (WHEN CONNECTING TO WOOD \$ SMS WHEN CONNECTING TO STEEL) AND SPACING MUST BE FOLLOWED TO OBTAIN FULL CONNECTOR VALUES, UNO

. ALL STRAPS SHOULD BE CENTERED ON THE JOINT BETWEEN THE TWO PIECES OF FRAMING BEING CONNECTED, UNO.

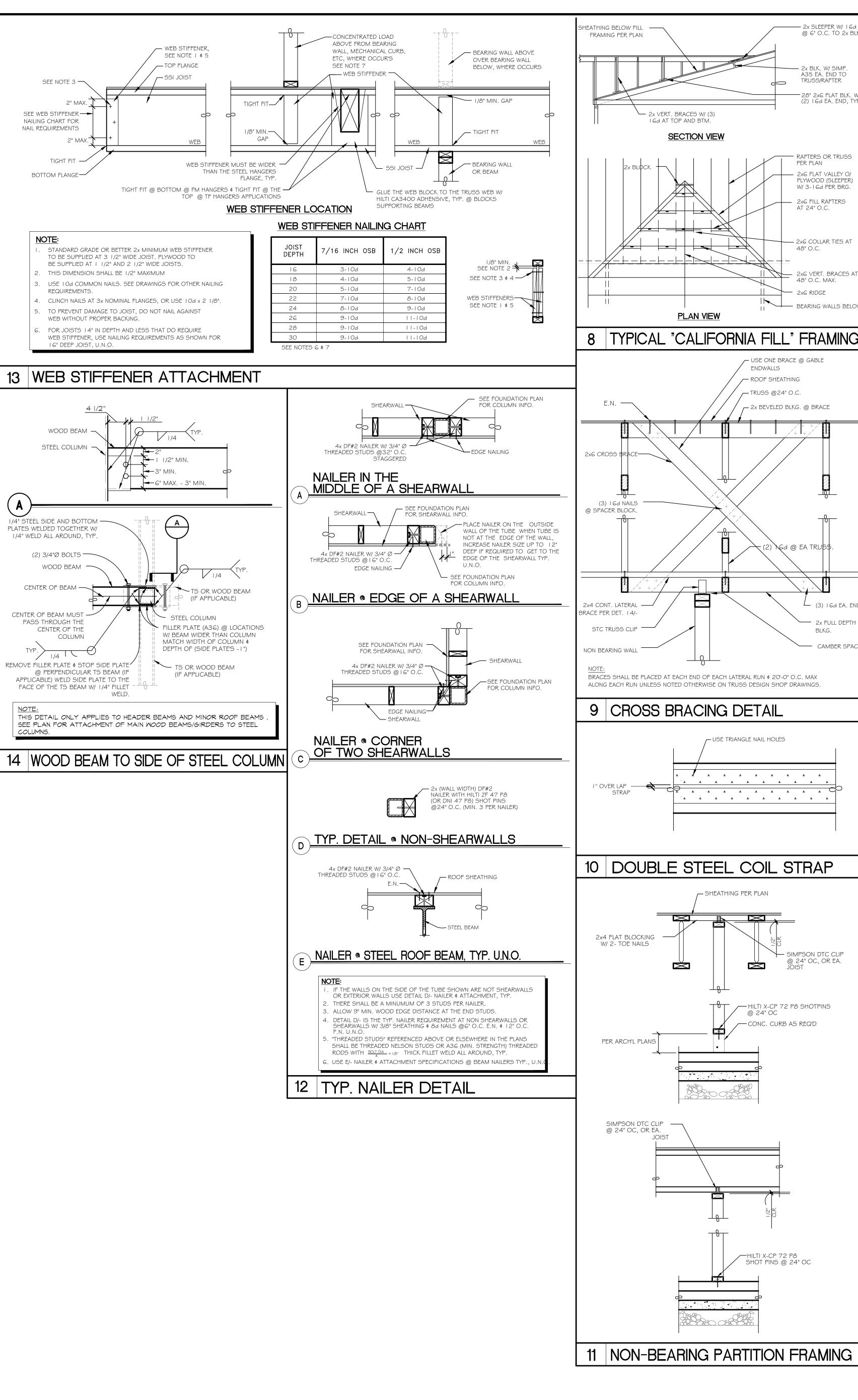
WHEN STRAP/CLIPS ARE CONNECTED TO STEEL FRAMING THE CONTRACTOR MUST USE A SMS WITH THE SAME GAGE (DIAMETER) AS THE LISTED NAIL (BY THE MANUFACTURE). THE SCREW MUST BE LONG ENOUGH TO GO THROUGH ALL FRAMING \$ EXTEND BEYOND 1/2". (CONTACT THE ENGINEER BEFORE BEGINNING CONSTRUCTION IF THERE ARE ANY QUESTIONS) THE CONTRACTOR MUST FOLLOW THE REQUIRED MINIMUM END LENGTHS, NAIL SIZE AND SPACING PROVIDED BY THE STRAP MANUFACTURE WHEN USING STEEL COIL STRAPS. SEE THE PLANS FOR ANY ADDITIONAL END LENGTH REQUIREMENTS IF ANY. COIL STRAPS MUST BE NAILED AT 3 1/2" O.C. (MAX) FOR THEIR ENTIRE LENGTH TYP. (TIGHTER SPACING MAY BE

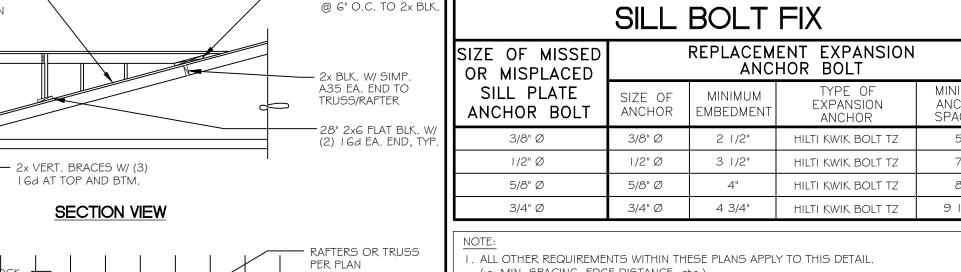
STEEL STRAP NOTES

REQUIRED @ ENDS PER THE MANUFACTURE OR PER PLAN)

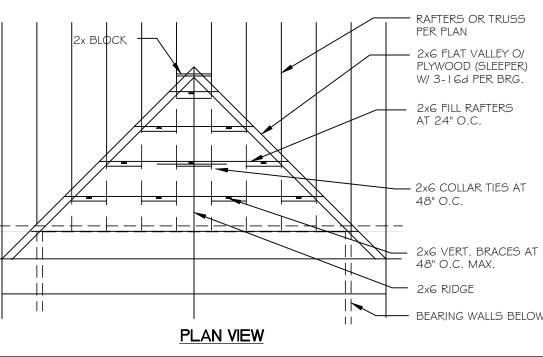
STANDARD NOTES

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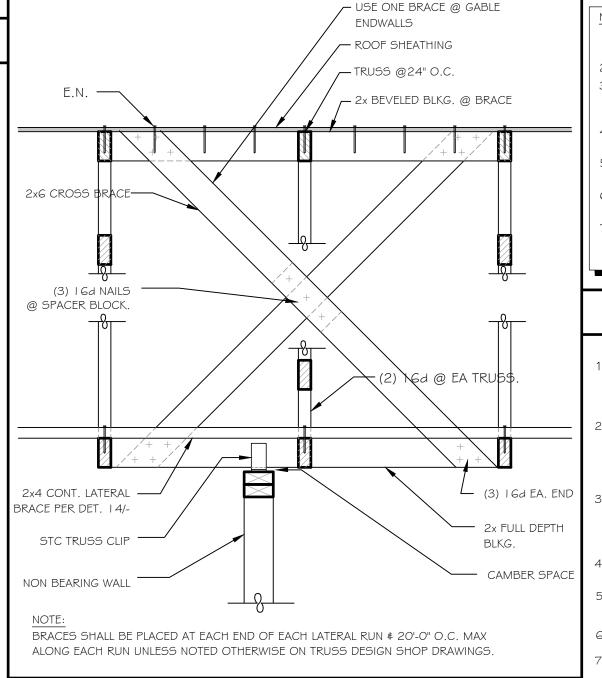




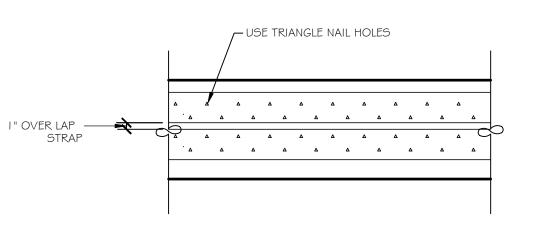
2x SLEEPER W/ 16d



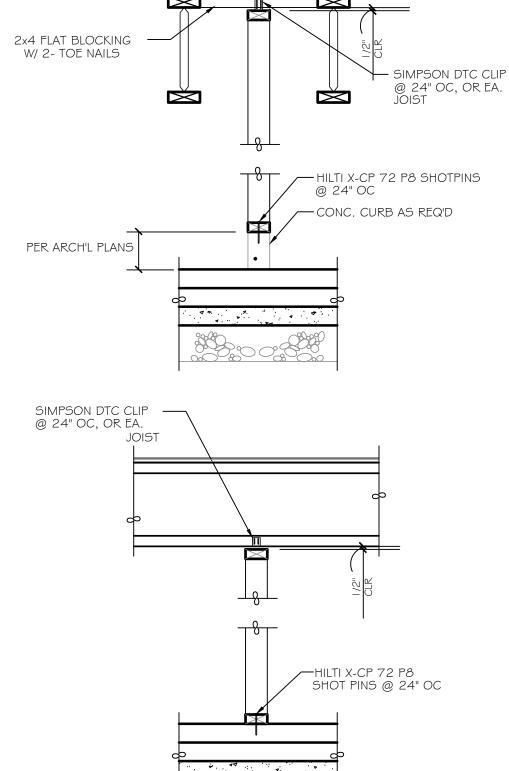
8 TYPICAL "CALIFORNIA FILL" FRAMING



9 CROSS BRACING DETAIL



10 DOUBLE STEEL COIL STRAP



C AT TRUSSES RIDGE TIE AT STUD WALL

SILL BOLT FIX ANCHOR SPACINO HILTI KWIK BOLT TZ 5" SPECIAL INSPECTION IS REQUIRED ON THESE EXPANSION ANCHORS

(ie; MIN. SPACING, EDGE DISTANCE, etc.)

ALL REQUIREMENTS OF ICC ESR-1917 MUST BE STRICTLY FOLLOWED. CONTACT THE ENGINEER IF THERE ARE ANY QUESTIONS PRIOR TO INSTALLING 4. IF THE REQUIRED SPACING IS LESS THAN THE MINUMUM SPACING CONTACT

THE ENGINEER BEFORE INSTALLING THE ANCHORS.

HOLDOWN ANCHOR BOLT FIX					
SIZE OF MISSED OR MISPLACED	REPLACEMENT EPOXY HOLDOWN ANCHOR BOLT				
HOLDOWN ANCHOR BOLT	SIZE OF ANCHOR	MINIMUM EMBEDMENT*	TYPE OF EPOXY		
5/8" Ø	5/8" Ø	ΙΟ"	HILTI HIT RE-500 SD		
7/8" Ø	7/8" Ø	12"	HILTI HIT RE-500 SD		
l"Ø	I"Ø	20"	HILTI HIT RE-500 SD		

MINIMUM EMBEDMENT IS FROM THE TOP OF THE FOOTINGS AND DOES NOT INCLUDE THE SLAB THICKNESS SEE FOUNDATION PLAN FOR SLAB THICKNESS

I. ALL OTHER REQUIREMENTS WITHIN THESE PLANS APPLY TO THIS DETAIL. (ie; PLACEMENT, EDGE DISTANCE, etc.) 2. SPECIAL INSPECTION IS REQUIRED ON THESE EPOXY ANCHOR BOLTS. 3. ALL REQUIREMENTS OF ICC ESR-2322 MUST BE STRICTLY FOLLOWED. CONTACT THE ENGINEER IF THERE ARE ANY QUESTIONS PRIOR TO INSTALLING

THE ANCHORS.

4. IF THE REQUIRED SPACING IS LESS THAN THE MINIMUM SPACING CONTACT THE ENGINEER BEFORE INSTALLING THE ANCHORS. SEE "HOLDOWN DETAILS" IN STANDARD DETAILS FOR A DEFINITION OF EMBEDMENT DEPTH \$ EDGE OF CONCRETE DISTANCE REQUIREMENTS (ie: THE a, b, \$ c VALUES) S. THIS DETAIL DOES NOT APPLY TO HOLDOWN SITUATION WHERE THERE ARE TWO

HOLDOWNS CONNECTED TO ONE POST. THIS DETAIL ONLY APPLIES TO HDU2, HDU4, HDU5, HDU8, HDU11 AND HDU14 HOLDOWNS. CONTACT THE ENGINEER IF AN ANCHOR IS MISSED FOR A DIFFERENT HOLDOWN, TYP.

FIX FOR MISSED OR MISPLACED SILL P2 / HOLDOWN A.B.

TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE 2022 CALIFORNIA BUILDING CODE AND THE LATEST EDITION OF "NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION" (ANSI/TPI) BY THE TRUSS PLATE INSTITUTE EXCEPT THAT SIMPLE SPAN MOMENTS SHALL BE USED FOR BENDING STRESSES. THE TRUSS DESIGNER/MANUFACTURER SHALL SUBMIT TRUSS DESIGN SHOP DRAWINGS IN ACCORDANCE WITH THE REQUIREMENTS OF THE BUILDING CODE TO THE ARCHITECT FOR HIS APPROVAL PRIOR TO FABRICATION. SHOP DRAWINGS SHALL INCLUDE CALCULATIONS ERIFYING THE STRUCTURAL ADEQUACY OF THE TRUSSES AND SHALL BE SIGNED BY A PROFESSIONAL CIVIL ENGINEER REGISTERED IN CALIFORNIA. 3. IN ADDITION TO THE LOADS SHOWN IN THE " DESIGN CRITERIA", THE TRUSSES SHALL BE

DESIGNED FOR ANY SPECIAL LOADS SHOWN ON THE TRUSS PROFILES. LOADS SHOWN IN SCHEDULE ARE GIVEN IN POUNDS PER LINEAL FOOT ON THE HORIZONTAL PROJECTION OF THE TRUSS. BOTTOM CHORD LIVE LOAD NEED NOT BE CONCURRENT WITH TOP CHORD LIVE LOAD I. A 25% STRESS INCREASE SHALL BE PERMITTED FOR LUMBER AND ITS FASTENINGS WHEN LIVE LOADS ARE CONSIDERED.

5. METAL TRUSS PLATE CONNECTORS USED FOR DESIGN SHALL BE APPROVED BY THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS. (ICC)

. TRUSSES SHALL BE SPACED 24" O.C. MAX. UNLESS OTHERWISE NOTED.

NAIL DOUBLE TRUSSES TOGETHER WITH 16d @ 12" O.C. AT ALL MEMBERS THE TRUSS DESIGNER/MANUFACTURER SHALL PROVIDE INSTRUCTION FOR TEMPORARY ERECTION BRACING OF TRUSSES IN ACCORDANCE WITH THE BUILDING CODE TO THE

CONTRACTOR AT TIME OF TRUSS DELIVERY. AS A MINIMUM, 2x4 CONTINUOUS LATERALS SHALL BE PROVIDED PERPINDICULAR TO THE TOP OF THE BOTTOM CHORD AT PANEL POINTS NOT TO EXCEED 15'-0" O.C. MAXIMUM. SECURE TO EACH TRUSS AND TO BLOCKING IN END WALLS WITH 2-1 Gd NAILS. SPLICE 2x4 LATERALS BY LAPPING SIDE BY SIDE FOR ONE TRUSS BAY.

). AS A MINIMUM, 2x4 DIAGONAL "X" BRACING SHALL BE PROVIDED ALONG EACH BOTTOM CHORD LATERAL RUN AT A SPACING NOT TO EXCEED 20'-0" O.C. MAXIMUM. SEE DETAIL 4/- FOR MORE

ALL WELDING OF STRUCTURAL STEEL MEMBERS SHALL BE DONE BY CURRENTLY CERTIFIED WELDERS AND DONE IN CONFORMANCE WITH THE A.I.S.C. AND A.W.S. SPECIFICATIONS. ALL WELDING SHALL BE ACCOMPLISHED USING THE SHIELD METAL ARC WELDING PROCESS (SMAW WITH E7-XX ELECTRODES OF THE SUBMERGED ARC WELDING PROCESS (SAW) WITH E7X-EXXX ELECTRODES OR THE FLUX-CORED ARC WELDING PROCESS (FCAW WITH E7IT-8 ELECTRODES (E7OT-4 ELECTRODES ALLOWED FOR SHOP WELDING ONLY) LOW HYDROGEN ELECTRODES SHALL BE USED AND KEPT DRY, AND PARENT METALS SHALL BE PREHEATED IN ACCORDANCE WITH AWS STANDARDS. NO WELDING PERMITTED ON MEMBERS SUPPORTING LOADS.

ALL BUTT WELDS SHALL BE COMPLETE PENETRATION WELDS.

WHERE THE CONTRACTOR REQUESTS WELDING TO BE USED IN LIEU OF BOLTED CONNECTIONS SUCH WELDING SHALL BE DONE ONLY WITH THE ENGINEERS PRIOR

HOLES PUNCHED OR DRILLED IN BEAMS SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWING: HOLES FOR BOLTS SHALL BE 1/16" LARGER THAN THE NOMINAL DIAMETER OF THE BOLT WHERE CONNECTION IS OF SHEAR TYPE, AND 3/16" LARGER WHERE CONNECTION IS OF BEARING TYPE ON CONCRETE OR

. ALL STRUCTURAL STEEL AND MISCELLANEOUS STEEL SHALL RECEIVE ONE SHOP

COAT OF RED OXIDE OR ZINC CHROMATE OR APPROVED EQUAL BASE. . ALL STRUCTURAL & MISCELLANEOUS STEEL SHALL CONFORM TO THE FOLLOWING

a) WIDE FLANGE MEMBERS (W, S, AND HP SHAPES) ARE TO BE ASTM A992 (Fy=50ksi) IN ACCORDANCE WITH AISC.

b) CHANNELS, ANGLES, TEES, AND MISCELLANEOUS AISC STEEL SHAPES ARE TO BE ASTM A36. Fy=36 KSI MIN. UNO

c) HIGH STRENGTH BOLTS: ASTM A325N 1/2" TO 1" DIAMETER INCLUSIVE FY=92 KSI. | 1/8" TO | 1/2" DIAMETER INCLUSIVE FY=81 KSI

d) ASTM A-307 BOLTS SHALL BE USED UNLESS OTHERWISE NOTED.

e) STRUCTURAL PIPE SHALL CONFORM TO A.S.T.M. A-53 GRADE "B" Fy=35 KSI. MIN. f) STRUCTURAL TUBING SHALL CONFORM TO A.S.T.M. A-500

GRADE "C" Fy=50 KSI. g) ANCHOR BOLTS: ASTM A307 TYPICAL.

h) HEADED STUDS: ASTM A 1 08 i) WELDING ELECTRODES: E70XX

1) ALL PLATES, MISC. SHAPES, AND STRUCTURAL SHAPES (AISC, etc.) USED AS PART OF A CONNECTION, DOUBLER PLATES, CONTINUITY PLATES, ETC. IN THESE PLANS SHALL BE MADE OF EQUAL MATERIAL (MATERIAL PROPERTIES, GRADE, YIELD STRENGTH, ETC.) AS THE MAIN STRUCTURAL MEMEBERS BEING CONNECTED, TYP.

LIGHT GAUGE COLD-FORMED STRUCTURAL STEEL SHALL CONFORM TO THE SPECIFICATIONS OF THE AISI - GENERAL - 04 AND AISI - NAS - 0 I

LIGHT GAUGE STRUCTURAL STEEL SHALL BE SHAPED AS SHOWN IN THE A.I.S.I. DESIGN MANUAL, UNLESS SPECIFICALLY OTHERWISE CALLED FOR.

ALL ENDS OF EXPOSED STRUCTURAL SHAPES AND TUBE STEEL MEMBERS SHALL

HAVE 1/4" CAP PLATE WITH WELDS GRIND SMOOTH. . THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL TEMPORARY SUPPORTS

REQUIRED FOR ERECTION. IF ERECTION BRACING IS REQUIRED IT IS TO BE

PREPARED BY A LICENSED ENGINEER. . ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST REVISED EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION, WHICH INCLUDES THE SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, THE CODE OF STANDARD PRACTICE AND THE AWS STRUCTURAL WELDING CODE.

GROUTING OF COLUMN BASE PLATES: BASE PLATES SHALL BE DRYPACKED OR GROUTED WITH I 1/2" NON-SHRINK GROUT OR EQUAL. MINIMUM COMPRESSIVE STRENGTH SHALL BE 4000 PSI AT 28 DAYS. ALL SURFACES SHALL BE PROPERLY CLEANED OF FOREIGN MATERIAL PRIOR TO THE GROUTING OPERATION.

FULL PENETRATION WELDED CONNECTIONS (100%) AT MOMENT FRAMES. BRACED

FRAMES AND ALL FULL PENETRATIONS FIFLD WELDS SHALL HAVE ULTRASONIC TESTING FOR COMPLIANCE WITH AISC I 3th EDITION ULTRASONIC TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING AGENCY THAT HAS BEEN INSPECTED BY THE NATIONAL STANDARDS. TESTING INSPECTIONS SHALL BE QUALIFIED BY ASNT BUREAU OF RECOMMENDED PRACTICE SNT-TC-AI. PROVIDE PROPER SURFACE PREP. AND BACKUP PLATES AS REQUIRED PER AISC AND AWS.

4. ALL EXPOSED WELDS SHALL BE FILLED AND GROUND SMOOTH WHERE METAL COULD COME IN CONTACT WITH THE PUBLIC JUNIESS WELDS ARE PERMITTED BY THE PROJECT ARCHITECT. NO HOLES OTHER THAN THOSE SPECIFICALLY DETAILED SHALL BE ALLOWED THRU

STRUCTURAL STEEL MEMBERS. BOLT HOLES SHALL CONFORM TO AISC SPECIFICATION, AND SHALL BE STANDARD HOLES UNLESS OTHERWISE NOTED. NO CUTTING OR BURNING OF STRUCTURAL STEEL WILL BE PERMITTED WITHOUT PRIOR CONSENT

SHALL BE TWIST-OFF-TYPE TENSION-CONTROL BOLT ASSEMBLY AT CONTRACTORS INDICATING WASHERS CONFORMING TO ASTM F-959 ARE ACCEPTABLE SUBSTITUTIONS. CONTACT SURFACES SHALL BE CLEAN MILL SCALE OR CLASS A QUALIFIED COATINGS. ALL SHOP AND FIELD BOLTED CONNECTIONS SHALL BE IN ACCORDANCE WITH ASTM A-307 USING UNFINISHED AMERICAN STANDARD REGULAR BOLTS, UNLESS

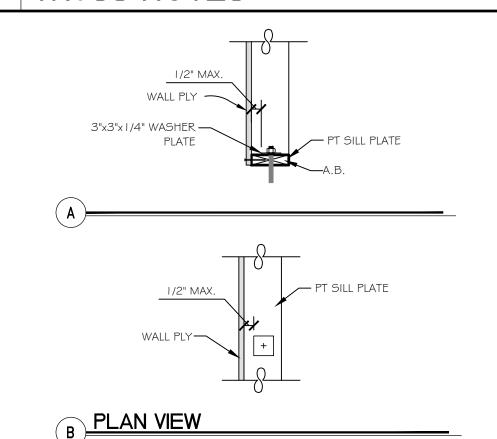
CONFORM TO A.S.T.M. A325 OR A490. AND BE PROVIDED WITH HARDENED WASHERS

3. WHERE STEEL MEMBERS BEAR IN CONCRETE OR MASONRY WALLS, OPENINGS SHALL BE DRY-PACKED AFTER STEEL IS IN PLACE.

OTHERWISE NOTED.

. PROVIDE SHOP DRAWINGS INDICATING SIZES, SPACING AND LOCATION OF JOISTS, GIRDERS, CONNECTIONS, BRIDGING, REINFORCING, ANCHORAGES, CAMBERS, AND LOADS. INDICATE WELDING CONNECTIONS USING STANDARD AWS WELDING SYMBOLS. INDICATE NET WELD LENGTHS. INDICATE RECOMMENDED PROCEDURES FOR JOIST SEATS WITH UNSUFFICENT BEARING.

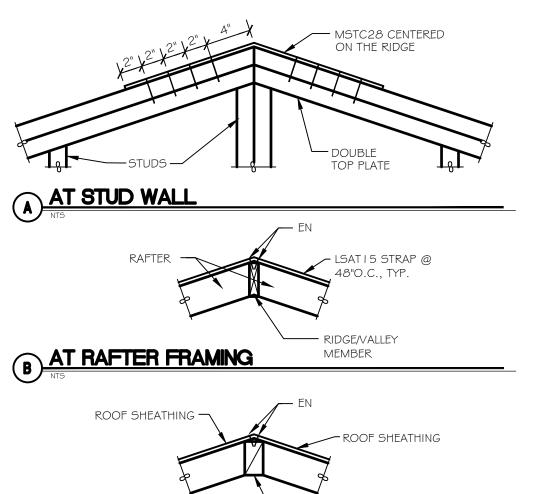
5 TRUSS NOTES STEEL NOTES



UNLESS LARGER SIZES ARE SHOWN, THE MINIMUM SIZE OF FILLET WELDS SHALL BE SHOWN IN THE TABLE J2.4 MINIMUM WELD SIZE IS DEPENDENT UPON THE THICKER OF TWO PARTS JOINED EXCEPT THAT THE WELD SIZE NEED NOT EXCEED THE THICKNESS OF THE THINNER PARTS, FOR THIS EXCEPTION, PARTICULAR CARE SHALL BE TAKEN TO PROVIDE SUFFICIENT PREHEAT FOR SOUNDNESS OF THE WELD WELD SIZES LARGER THAN THE THINNER PART JOINED ARE PERMITTED IF REQUIRED BY CALCULATED STRENGTH. IN THE AS-WELD CONDITION, THE DISTANCE BETWEEN THE EDGE OF THE BASE METAL AND THE TOE OF THE WELD MAY BE LESS THAN

I 6" (IN) PROVIDE THE WELD SIZE CLEARLY VERIFIABLE.						
TABLE J2.4 AISC MINIMUM OF FILLET WELDS						
MATERIAL THICKNESS OF THICKER PART JOINED (IN)	MINIMUM SIZE OF FILLET WELD , (IN)					
TO 1/4 INCLUSIVE	1/8					
OVER 1/4 TO 1/2	3/16					
OVER 1/2 TO 3/4	1/4					
OVER 3/4	5/16					
*LEG DIMENSION OF FILLET WELDS. SINGLE	*LEG DIMENSION OF FILLET WELDS. SINGLE - PASS WELDS MUST BE USED.					

6 WASHER PLATE PLACEMENT



2 | FILLET-WELDS

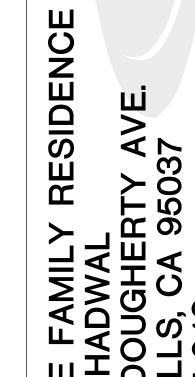
THE PREMANUFACTURED STEEL CONNECTOR STRAPS AND CLIPS WITHIN THESE PLANS ARE TO BE MANUFACTURED BY SIMPSON STRONG TIE OR EQUIVALENT. THE MANUFACTURES RECOMMENDATION FOR NAIL SIZE (WHEN CONNECTING TO WOOD \$ SMS WHEN CONNECTING TO STEEL) AND SPACING MUST BE FOLLOWED TO OBTAIN FULL

CONNECTOR VALUES, UNO THE CONTRACTOR MUST FOLLOW THE REQUIRED MINIMUM END LENGTHS, NAIL SIZE AND SPACING PROVIDED BY THE STRAP MANUFACTURE WHEN USING STEEL COIL STRAPS. SEE THE PLANS FOR ANY ADDITIONAL END LENGTH REQUIREMENTS IF ANY. COIL STRAPS MUST BE NAILED AT 3 1/2" O.C. (MAX) FOR THEIR ENTIRE LENGTH TYP. (TIGHTER SPACING MAY BE

REQUIRED @ ENDS PER THE MANUFACTURE OR PER PLAN) WITH THE SAME GAGE (DIAMETER) AS THE LISTED NAIL (BY THE MANUFACTURE). THE SCREW

MUST BE LONG ENOUGH TO GO THROUGH ALL FRAMING & EXTEND BEYOND 1/2". (CONTACT THE ENGINEER BEFORE BEGINNING CONSTRUCTION IF THERE ARE ANY QUESTIONS)

3 STEEL STRAP NOTES



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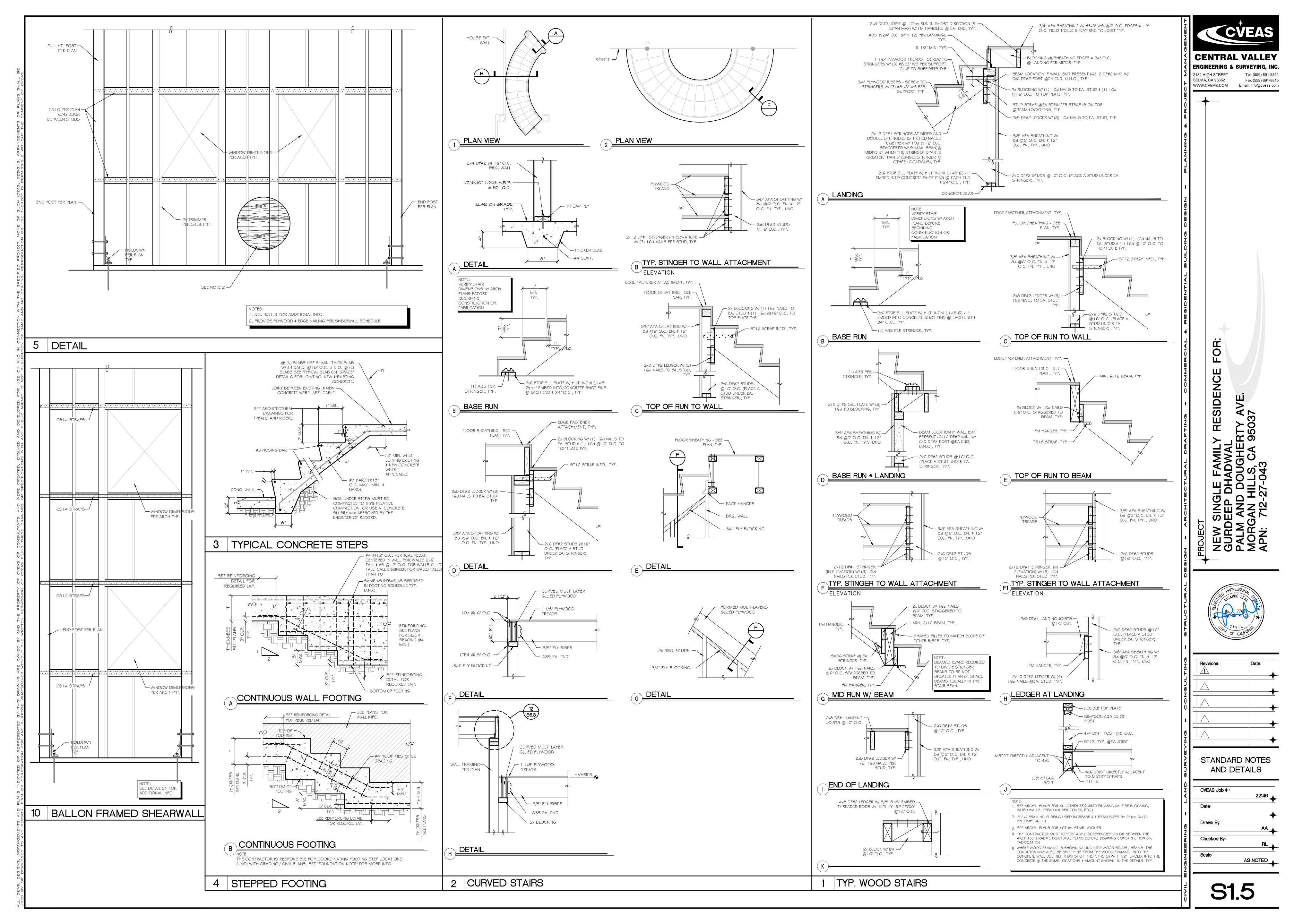
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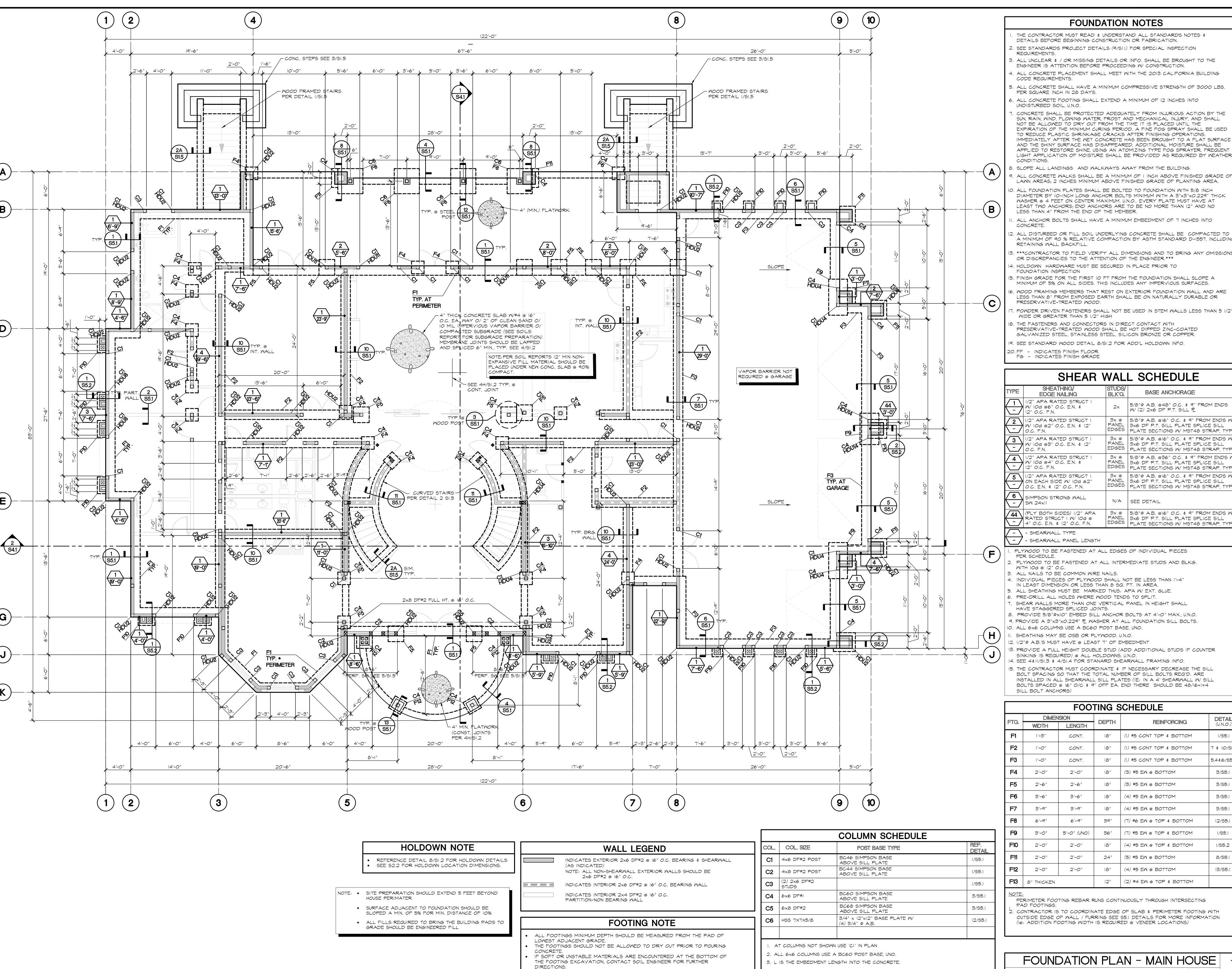
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STANDARD NOTES

CVEAS Job # Checked By: AS NOTED





FOUNDATION NOTES

- THE CONTRACTOR MUST READ & UNDERSTAND ALL STANDARDS NOTES & DETAILS BEFORE BEGINNING CONSTRUCTION OR FABRICATION.
- 2. SEE STANDARDS PROJECT DETAILS (9/SI.I) FOR SPECIAL INSPECTION
- REQUIREMENTS. . ALL UNCLEAR \$ / OR MISSING DETAILS OR INFO. SHALL BE BROUGHT TO THE
- ENGINEER IS ATTENTION BEFORE PROCEEDING W/ CONSTRUCTION.
- 4. ALL CONCRETE PLACEMENT SHALL MEET WITH THE 2013 CALIFORNIA BUILDING CODE REQUIREMENTS.
- 5. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 LBS. PER SQUARE INCH IN 28 DAYS.
- . ALL CONCRETE FOOTING SHALL EXTEND A MINIMUM OF 12 INCHES INTO UNDISTURBED SOIL, U.N.O. CONCRETE SHALL BE PROTECTED ADEQUATELY FROM INJURIOUS ACTION BY THE
- SUN, RAIN, WIND, FLOWING WATER, FROST AND MECHANICAL INJURY, AND SHALL NOT BE ALLOWED TO DRY OUT FROM THE TIME IT IS PLACED UNTIL THE EXPIRATION OF THE MINIMUM CURING PERIOD. A FINE FOG SPRAY SHALL BE USED TO REDUCE PLASTIC SHRINKAGE CRACKS AFTER FINISHING OPERATIONS. IMMEDIATELY AFTER THE WET CONCRETE HAS BEEN BROUGHT TO A FLAT SURFACE AND THE SHINY SURFACE HAS DISAPPEARED, ADDITIONAL MOISTURE SHALL BE APPLIED TO RESTORE SHINE, USING AN ATOMIZING TYPE FOG SPRAYER. FREQUENT LIGHT APPLICATION OF MOISTURE SHALL BE PROVIDED AS REQUIRED BY WEATHER CONDITIONS.
- LAWN AREAS; 2 INCHES MINIMUM ABOVE FINISHED GRADE OF PLANTING AREA.
-). ALL FOUNDATION PLATES SHALL BE BOLTED TO FOUNDATION WITH 5/8 INCH DIAMETER BY 10-INCH LONG ANCHOR BOLTS MINIMUM WITH A 3"x3"x0.229" THICK
- WASHER @ 4 FEET ON CENTER MAXIMUM. U.N.O.. EVERY PLATE MUST HAVE AT LEAST TWO ANCHORS; END ANCHORS ARE TO BE NO MORE THAN 12" AND NO LESS THAN 4" FROM THE END OF THE MEMBER.
- ALL ANCHOR BOLTS SHALL HAVE A MINIMUM EMBEDMENT OF 7 INCHES INTO CONCRETE.
- . ALL DISTURBED OR FILL SOIL UNDERLYING CONCRETE SHALL BE COMPACTED TO A MINIMUM OF 90 % RELATIVE COMPACTION BY ASTM STANDARD D-1557, INCLUDING RETAINING WALL BACKFILL.
- 3. ***CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND TO BRING ANY OMISSIONS OR DISCREPANCIES TO THE ATTENTION OF THE ENGINEER.***
- 4. HOLDOWN HARDWARE MUST BE SECURED IN PLACE PRIOR TO FOUNDATION INSPECTION
- 5. FINISH GRADE FOR THE FIRST 10 FT FROM THE FOUNDATION SHALL SLOPE A
- MINIMUM OF 5% ON ALL SIDES. THIS INCLUDES ANY IMPERVIOUS SURFACES. 6. WOOD FRAMING MEMBERS THAT REST ON EXTERIOR FOUNDATION WALL AND ARE LESS THAN 8" FROM EXPOSED EARTH SHALL BE ON NATURALLY DURABLE OR
- . POWDER DRIVEN FASTENERS SHALL NOT BE USED IN STEM WALLS LESS THAN 5 1/2"
- WIDE OR GREATER THAN 5 1/2" HIGH 3. THE FASTENERS AND CONNECTORS IN DIRECT CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE HOT DIPPED ZINC-COATED
- GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER. 19. SEE STANDARD WOOD DETAIL 8/SI.2 FOR ADD'L HOLDOWN INFO.
- 20. FF INDICATES FINISH FLOOR FG - INDICATES FINISH GRADE

SHEAR WALL SCHEDULE					
TYPE	SHEATHING/ EDGE NAILING	STUDS/ BLK'G.	BASE ANCHORAGE		
1 -	/2" APA RATED STRUCT W/ Od @6" O.C. E.N. \$ 2" O.C. F.N.	2×	5/8"中 A.B. @48" O.C. # 9" FROM ENDS W/ (2) 2×6 DF P.T. SILL 配		
2 -	/2" APA RATED STRUCT W/ Od @2" O.C. E.N. \$ 2" O.C. F.N.	3x @ PANEL EDGES	5/8"\$\Phi\$ A.B. @16" O.C. \$ 9" FROM ENDS W/ 3x6 DF P.T. SILL PLATE SPLICE SILL PLATE SECTIONS W/ MST48 STRAP, TYP.		
3 -	/2" APA RATED STRUCT W/ Od @3" O.C. E.N. \$ 2" O.C. F.N.	3x @ PANEL EDGES	5/8"\$\Phi A.B. @16" O.C. \$ 9" FROM ENDS W/ 3x6 DF P.T. SILL PLATE SPLICE SILL PLATE SECTIONS W/ MST48 STRAP, TYP.		
4 -	/2" APA RATED STRUCT W/ Od @4" O.C. E.N. \$ 2" O.C. F.N.	3x @ PANEL EDGES	5/8"\$\Phi A.B. @36" O.C. \& 9" FROM ENDS W, 3x6 DF P.T. SILL PLATE SPLICE SILL PLATE SECTIONS W/ MST48 STRAP, TYP.		
5 -	I/2" APA RATED STRUCT I ON EACH SIDE W/ IOd @2" O.C. E.N. \$ 12" O.C. F.N.	3x @ PANEL EDGES	5/8"\$\Phi A.B. @16" O.C. \$ 9" FROM ENDS W/ 3x6 DF P.T. SILL PLATE SPLICE SILL PLATE SECTIONS W/ MST48 STRAP, TYP.		
6 -	SIMPSON STRONG WALL SW 24×11	N/A	SEE DETAIL		
44	(PLY BOTH SIDES) 1/2" APA RATED STRUCT W/ IOd @ 4" O.C. E.N. \$ 12" O.C. F.N.	3x @ PANEL EDGES	5/8"\$\Phi A.B. @16" O.C. \& 9" FROM ENDS W/ 3x6 DF P.T. SILL PLATE SPLICE SILL PLATE SECTIONS W/ MST48 STRAP, TYP.		

PLYWOOD TO BE FASTENED AT ALL EDGES OF INDIVIDUAL PIECES

- PLYWOOD TO BE FASTENED AT ALL INTERMEDIATE STUDS AND BLKG.
- WITH 10d @ 12" 0.C. 3. ALL NAILS TO BE COMMON WIRE NAILS.
- 4. INDIVIDUAL PIECES OF PLYWOOD SHALL NOT BE LESS THAN I'-4"
- IN LEAST DIMENSION OR LESS THAN 8 SQ. FT. IN AREA. 5. ALL SHEATHING MUST BE MARKED THUS: APA W/ EXT. GLUE
- SHEAR WALLS MORE THAN ONE VERTICAL PANEL IN HEIGHT SHALL HAVE STAGGERED SPLICED JOINTS.
- 5. PROVIDE 5/8"\$XIO" EMBED SILL ANCHOR BOLTS AT 4'-0" MAX., U.N.O. 9. PROVIDE A 3"x3"x0.229" P WASHER AT ALL FOUNDATION SILL BOLTS.
- 10. ALL 6x6 COLUMNS USE A BC60 POST BASE, UNO.
- SHEATHING MAY BE OSB OR PLYWOOD, U.N.O. 2. I/2"\$\Phi A.B.'S MUST HAVE @ LEAST 7" OF EMBEDMENT
- 3. PROVIDE A FULL HEIGHT DOUBLE STUD (ADD ADDITIONAL STUDS IF COUNTER
- SINKING IS REQUIRED) @ ALL HOLDOWNS, U.N.O. 4. SEE 4&11/SI.3 & 4/SI.4 FOR STANARD SHEARWALL FRAMING INFO.
- 15. THE CONTRACTOR MUST COORDINATE & IF NECESSARY DECREASE THE SILL BOLT SPACING SO THAT THE TOTAL NUMBER OF SILL BOLTS REQ'D. ARE INSTALLED IN ALL SHEARWALL SILL PLATES (IE: IN A 4' SHEARWALL W/ SILL BOLTS SPACED @ 16" O/C \$ 9" OFF EA. END THERE SHOULD BE 48/16+1=4

	FOOTING SCHEDULE						
FTG.	DIMEN	SION	NEPTH	DEPTH REINFORCING			
rig.	WIDTH	LENGTH	DEFIN	neinfonding	(U.N.O.)		
F1	1'-3"	CONT.	18"	(I) #5 CONT TOP & BOTTOM	1/95.1		
F2	1'-0"	CONT.	18"	(I) #5 CONT TOP & BOTTOM	7 \$ 10/95.1		
F3	1'-0"	CONT.	18"	(I) #5 CONT TOP & BOTTOM	5,4\$6/95.1		
F4	2'-0"	2'-0"	18"	(3) #5 EW @ BOTTOM	3/95.1		
F5	2'-6"	2'-6"	18"	(3) #5 EW @ BOTTOM	3/95.1		
F6	3'-6"	3'-6"	18"	(4) #5 EW @ BOTTOM	3/95.1		
F7	3'-9"	3'-9"	18"	(4) #5 EW @ BOTTOM	3/95.1		
F8	6'-9"	6'-9"	39"	(7) #6 EW @ TOP & BOTTOM	12/55.1		
F9	3'-0"	5'-0" (UNO)	36"	(7) #5 EW @ TOP & BOTTOM	1/95.1		
F10	2'-0"	2'-0"	18"	(4) #5 EW @ TOP & BOTTOM	1/95.2		
F11	2'-0"	2'-0"	24"	(5) #5 EW @ BOTTOM	8/95.1		
F12	2'-0"	2'-0"	18"	(4) #5 EW @ BOTTOM	13/55.1		
F13	8" THICKEN		12"	(2) #4 EW @ TOP & BOTTOM			

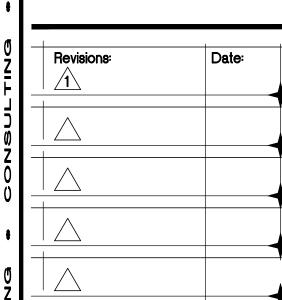
- PERIMETER FOOTING REBAR RUNS CONTINUOUSLY THROUGH INTERSECTING
- 2. CONTRACTOR IS TO COORDINATE EDGE OF SLAB & PERIMETER FOOTING WITH OUTSIDE EDGE OF WALL / FURRING SEE S5.1 DETAILS FOR MORE INFORMATION (ie: ADDITION FOOTING WIDTH IS REQUIRED @ VENEER LOCATIONS)

FOUNDATION PLAN - MAIN HOUSE

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

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FOUNDATION PLAN

CVEAS Job # : Drawn By: Checked By: AS NOTED

	FOOTING SCHEDULE											
FTG.	SIZE "A" x "B"	"T"	REINFORCING	DETAIL								
F1	I'-O" WIDE CONT.	18"	(2) #5 TOP AND BOTTOM	\$ 0 /55.								
F2	2'-0" × 2'-0"	24"	(3) #5 TOP AND BOTTOM	# <i>O</i> / 95.								
F3	I'-0" WIDE CONT.	18"	(3) #5 EM @ BOTTOM	6/55.1								
F4	2'-0" × 2'-0"	18"	(3) #5 EM @ BOTTOM	3/55.1								
F5	2'-6" × 2'-6"	18"	(3) #5 EM @ BOTTOM	13/55.1								
F6	8" THICKEN	12"	(2) #4 EM @ TOP & BOTTOM	4/55.1								

PERIMETER FOOTING REBAR RUNS CONTINUOUSLY THROUGH INTERSECTING
PAD FOOTINGS.

CONTRACTOR IS TO COORDINATE EDGE OF SLAB & PERIMETER FOOTING WITH
OUTSIDE EDGE OF WALL / FURRING SEE S5.1 DETAILS FOR MORE INFORMATION

		COLUMN SCHEDULE	
COL.	COL. SIZE	TYPE	REF. DETAIL
CI	4×6 DF#2 POST	AB44Z SIMPSON BASE W/ 5/8" Φ × IO" L A.B.	1/55.3
C2	(2) 2×6 STUDS		1/55.3
СЗ	6×6 DF#2		10/95.3
			1/55.3
ΙΔΙ	I STEEL COLUMNS I	N WALL LINES HAVE NAHERS SEE WOOD DETAILS E	<u></u>

. ALL STEEL COLUMNS IN WALL LINES HAVE NAILERS. SEE WOOD DETAILS FOR TYPICAL NAILER INFO.

2. USE C2 @ POST NOT LABLED

FOUNDATION NOTES

1. THE CONTRACTOR MUST READ & UNDERSTAND ALL STANDARDS NOTES & DETAILS BEFORE BEGINNING CONSTRUCTION OR FABRICATION.

DETAILS BEFORE BEGINNING CONSTRUCTION OR FABRICATION.

SEE STANDARDS PROJECT DETAILS (9/SI.I) FOR SPECIAL INSPECTION REQUIREMENTS.

3. ALL UNCLEAR \$ / OR MISSING DETAILS OR INFO. SHALL BE BROUGHT TO THE ENGINEER IS ATTENTION BEFORE PROCEEDING W/ CONSTRUCTION.

ENGINEER IS ATTENTION BEFORE PROCEEDING W/ CONSTRUCTION.

4. ALL CONCRETE PLACEMENT SHALL MEET WITH THE 2016 CALIFORNIA

POUNDS PER SQUARE-FOOT ON THE FOUNDATION PLAN.

BUILDING CODE REQUIREMENTS.

5. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2500 LBS.

PER SQUARE INCH IN 28 DAYS.

ALL CONCRETE FOOTING SHALL EXTEND A MINIMUM OF 12 INCHES INTO UNDISTURBED SOIL, U.N.O. MAXIMUM ALLOWABLE SOIL BEARING CAPACITY AS 1500

7. CONCRETE SHALL BE PROTECTED ADEQUATELY FROM INJURIOUS ACTION BY THE SUN, RAIN, WIND, FLOWING WATER, FROST AND MECHANICAL INJURY, AND SHALL NOT BE ALLOWED TO DRY OUT FROM THE TIME IT IS PLACED UNTIL THE EXPIRATION OF THE MINIMUM CURING PERIOD. A FINE FOG SPRAY SHALL BE USED TO REDUCE PLASTIC SHRINKAGE CRACKS AFTER FINISHING OPERATIONS. IMMEDIATELY AFTER THE WET CONCRETE HAS BEEN BROUGHT TO A FLAT SURFACE AND THE SHINY SURFACE HAS DISAPPEARED, ADDITIONAL MOISTURE SHALL BE APPLIED TO RESTORE SHINE, USING AN ATOMIZING TYPE FOG SPRAYER. FREQUENT LIGHT APPLICATION OF MOISTURE SHALL BE PROVIDED AS REQUIRED BY WEATHER CONDITIONS.

8. SLOPE ALL LANDINGS AND WALKWAYS AWAY FROM THE BUILDING.

 9. ALL CONCRETE WALKS SHALL BE A MINIMUM OF I INCH ABOVE FINISHED GRADE OF LAWN AREAS; 2 INCHES MINIMUM ABOVE FINISHED GRADE OF PLANTING AREA.
 10. ALL FOUNDATION PLATES SHALL BE BOLTED TO FOUNDATION WITH 5/8 INCH

DIAMETER BY IO-INCH LONG ANCHOR BOLTS MINIMUM WITH A 3"x3"x0.229" THICK WASHER @ 4 FEET ON CENTER MAXIMUM. U.N.O.. EVERY PLATE MUST HAVE AT LEAST TWO ANCHORS; END ANCHORS ARE TO BE NO MORE THAN 12" AND NO LESS THAN 4" FROM THE END OF THE MEMBER.

II. ALL ANCHOR BOLTS SHALL HAVE A MINIMUM EMBEDMENT OF 7 INCHES INTO

12. ALL DISTURBED OR FILL SOIL UNDERLYING CONCRETE SHALL BE COMPACTED TO A MINIMUM OF 90 % RELATIVE COMPACTION BY ASTM STANDARD D-1557, INCLUDING RETAINING WALL BACKFILL.

13. ***CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND TO BRING ANY OMISSIONS OR DISCREPANCIES TO THE ATTENTION OF THE ENGINEER.***14. HOLDOWN HARDWARE MUST BE SECURED IN PLACE PRIOR TO

FOUNDATION INSPECTION

15. FINISH GRADE FOR THE FIRST 10 FT FROM THE FOUNDATION SHALL SLOPE A MINIMUM OF 5% ON ALL SIDES. THIS INCLUDES ANY IMPERVIOUS SURFACES.

16. WOOD FRAMING MEMBERS THAT REST ON EXTERIOR FOUNDATION WALL AND ARE LESS THAN 8" FROM EXPOSED EARTH SHALL BE ON NATURALLY DURABLE OR PRESERVATIVE-TREATED WOOD.

17. POWDER DRIVEN FASTENERS SHALL NOT BE USED IN STEM WALLS LESS THAN 5 1/2" WIDE OR GREATER THAN 5 1/2" HIGH

PRESERVATIVE-TREATED WOOD SHALL BE HOT DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL

19. SEE STANDARD WOOD DETAIL 8/SI.2 FOR ADD'L HOLDOWN INFO.

	SHEAR '	WALI	SCHEDULE
TYPE	SHEATHING/ EDGE NAILING	STUDS/ BLK'G.	BASE ANCHORAGE
1	/2" APA RATED STRUCT W/ Od @6" O.C. E.N. \$ 2" O.C. F.N.	2x	5/8"Φ A.B. @48" O.C. \$ 9" FROM ENDS W/ (2) 2x6 DF P.T. SILL PL
2 -	/2" APA RATED STRUCT W/ Od @2" O.C. E.N. \$ 2" O.C. F.N.	3x @ PANEL EDGES	5/8"\$\Phi\$ A.B. @16" O.C. \$ 9" FROM ENDS W. 3x6 DF P.T. SILL PLATE SPLICE SILL PLATE SECTIONS W/ MST48 STRAP, TYP
3 -	/2" APA RATED STRUCT W/ Od @3" O.C. E.N. \$ 2" O.C. F.N.	3x @ PANEL EDGES	5/8"\$\Phi\$ A.B. @16" O.C. \$ 9" FROM ENDS W 3x6 DF P.T. SILL PLATE SPLICE SILL PLATE SECTIONS W/ MST48 STRAP, TYP
4 -	1/2" APA RATED STRUCT W/ 10d @4" O.C. E.N. \$ 12" O.C. F.N.	3x @ PANEL EDGES	5/8"\$\Phi\$ A.B. @36" O.C. \$ 9" FROM ENDS V 3x6 DF P.T. SILL PLATE SPLICE SILL PLATE SECTIONS W/ MST48 STRAP, TYP
5 -	/2" APA RATED STRUCT ON EACH SIDE W/ Od @2" O.C. E.N. \$ 2" O.C. F.N.	3x @ PANEL EDGES	5/8"\$\Phi A.B. @ 6" O.C. \& 9" FROM ENDS W/3x6 DF P.T. SILL PLATE SPLICE SILL PLATE SECTIONS W/ MST48 STRAP, TYP.
6 -	SIMPSON STRONG WALL SWI6x7xz6	N/A	SEE DETAIL

- SHEARMALL TYPE - SHEARMALL PANEL LENGTH

PLYWOOD TO BE FASTENED AT ALL EDGES OF INDIVIDUAL PIECES PER SCHEDULE.

2. PLYWOOD TO BE FASTENED AT ALL INTERMEDIATE STUDS AND BLKG. WITH 10d @ 12" O.C.

3. ALL NAILS TO BE COMMON WIRE NAILS.
4. INDIVIDUAL PIECES OF PLYWOOD SHALL NOT BE LESS THAN 1'-4"

IN LEAST DIMENSION OR LESS THAN 8 SQ. FT. IN AREA.

5. ALL SHEATHING MUST BE MARKED THUS: APA W/ EXT. GLUE.

6. PRE-DRILL ALL HOLES WHERE WOOD TENDS TO SPLIT.
7. SHEAR WALLS MORE THAN ONE VERTICAL PANEL IN HEIGHT SHALL

HAVE STAGGERED SPLICED JOINTS.

8. PROVIDE 5/8" \$\Phi \text{NO"} EMBED SILL ANCHOR BOLTS AT 4'-0" MAX., U.N.O.

9. PROVIDE A 3" \times 3" \times 0.229" PL WASHER AT ALL FOUNDATION SILL BOLTS. 10. ALL 6 \times 6 COLUMNS USE A BC60 POST BASE, UNO.

SHEATHING MAY BE OSB OR PLYWOOD, U.N.O.

12. 1/2"\$\phi A.B. 'S MUST HAVE @ LEAST 7" OF EMBEDMENT

13. PROVIDE A FULL HEIGHT DOUBLE STUD (ADD ADDITIONAL STUDS IF COUNTER SINKING IS REQUIRED) @ ALL HOLDOWNS, U.N.O.

14. SEE 4\$11/SI.3 \$ 4/SI.4 FOR STANARD SHEARWALL FRAMING INFO.

15. THE CONTRACTOR MUST COORDINATE \$ IF NECESSARY DECREASE THE SILL BOLT SPACING SO THAT THE TOTAL NUMBER OF SILL BOLTS REQ'D ARE

BOLT SPACING SO THAT THE TOTAL NUMBER OF SILL BOLTS REQ'D. ARE INSTALLED IN ALL SHEARWALL SILL PLATES (IE: IN A 4' SHEARWALL W/ SILL BOLTS SPACED @ 16" O/C & 9" OFF EA. END THERE SHOULD BE 48/16+1=4 SILL BOLT ANCHORS)

WALL LEGEND

INDICATES EXTERIOR 2x6 DF#2 @ 16" O.C. BEARING & SHEARWALL (AS INDICATED)

NOTE: ALL NON-SHEARWALL EXTERIOR WALLS SHOULD BE 2x6 DF#2 @ 16" O.C.

INDICATES INTERIOR 2×4 DF#2 @ 16" O.C. PARTITION-NON BEARING WALL

FOOTING NOTE

HOLDOWN NOTE

 ALL FOOTINGS MINIMUM DEPTH SHOULD BE MEASURED FROM THE PAD OF LOWEST ADJACENT GRADE.

 THE FOOTINGS SHOULD NOT BE ALLOWED TO DRY OUT PRIOR TO POURING CONCRETE.
 IF SOFT OR UNSTABLE MATERIALS ARE ENCOUNTERED AT THE BOTTOM OF

IF SOFT OR UNSTABLE MATERIALS ARE ENCOUNTERED AT THE BOTTOM O
THE FOOTING EXCAVATION, CONTACT SOIL ENGINEER FOR FURTHER
DIRECTIONS.

FOOTING ARE TO CENTERED @ POST / COLUMN, U.N.O.

REFERENCE DETAIL 8/SI.2 FOR HOLDOWN DETAILS SEE S2.2 FOR HOLDOWN LOCATION DIMENSIONS.

NOTE: • SITE PREPARATION SHOULD EXTEND 5 FEET BEYOND

HOUSE PERAMETER

 SURFACE ADJACENT TO FOUNDATION SHOULD BE SLOPED A MIN. OF 5% FOR MIN. DISTANCE OF 10%

ALL FILLS REQUIRED TO BRING THE BUILDING PADS TO

GRADE SHOULD BE ENGINEERED FILL

HOUSE PAD SHALL BE COMPACTED 95%.

FOUNDATION PLAN - GUEST HOUSE

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CENTRAL VALLEY
ENGINEERING & SURVEYING, INC.
2132 HIGH STREET
SELMA, CA 93662
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NEW SINGLE FAMILY RESIDEN GURDEEP DHADWAL PALM AND DOUGHERTY AVE. MORGAN HILLS, CA 95037

0



GUEST HOUSE

CVEAS Job #:

CVEAS Job # :

22146

Date:

Drawn By:

AA

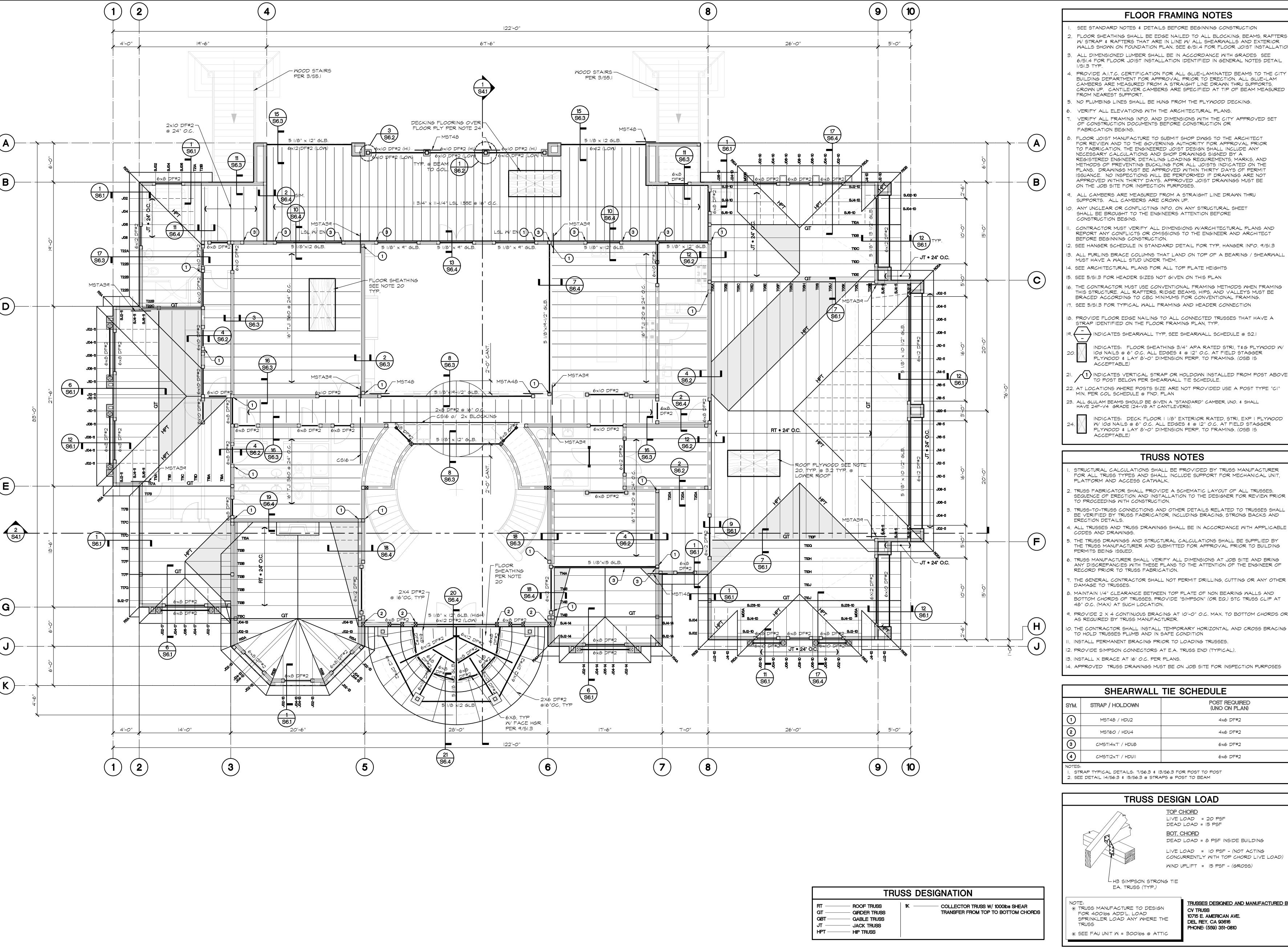
Checked By:

RL

Scale:

AS NOTED

S2.2



AT ISOLATED COLUMNS- USE CCQ OR CC AT WALL COLUMNS- USE AC / PC

FLOOR FRAMING NOTES

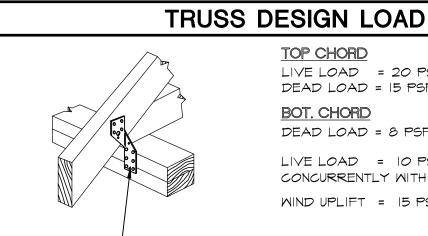
- SEE STANDARD NOTES & DETAILS BEFORE BEGINNING CONSTRUCTION
- FLOOR SHEATHING SHALL BE EDGE NAILED TO ALL BLOCKING, BEAMS, RAFTERS W/ STRAP & RAFTERS THAT ARE IN LINE W/ ALL SHEARWALLS AND EXTERIOR
- ALL DIMENSIONED LUMBER SHALL BE IN ACCORDANCE WITH GRADES SEE 6/SI.4 FOR FLOOR JOIST INSTALLATION IDENTIFIED IN GENERAL NOTES DETAIL
- PROVIDE A.I.T.C. CERTIFICATION FOR ALL GLUE-LAMINATED BEAMS TO THE CITY BUILDING DEPARTMENT FOR APPROVAL PRIOR TO ERECTION. ALL GLUE-LAM CAMBERS ARE MEASURED FROM A STRAIGHT LINE DRAWN THRU SUPPORTS, CROWN UP. CANTILEVER CAMBERS ARE SPECIFIED AT TIP OF BEAM MEASURED
- FROM NEAREST SUPPORT. 5. NO PLUMBING LINES SHALL BE HUNG FROM THE PLYWOOD DECKING.
- VERIFY ALL FRAMING INFO. AND DIMENSIONS WITH THE CITY APPROVED SET OF CONSTRUCTION DOCUMENTS BEFORE CONSTRUCTION OR FABRICATION BEGINS.
- FLOOR JOIST MANUFACTURE TO SUBMIT SHOP DWGS TO THE ARCHITECT FOR REVIEW AND TO THE GOVERNING AUTHORITY FOR APPROVAL PRIOR TO FABRICATION. THE ENGINEERED JOIST DESIGN SHALL INCLUDE ANY NECESSARY CALCULATIONS AND SHOP DRAWINGS SIGNED BY A REGISTERED ENGINEER, DETAILING LOADING REQUIREMENTS, MARKS, AND METHODS OF PREVENTING BUCKLING FOR ALL JOISTS INDICATED ON THE PLANS. DRAWINGS MUST BE APPROVED WITHIN THIRTY DAYS OF PERMIT ISSUANCE. NO INSPECTIONS WILL BE PERFORMED IF DRAWINGS ARE NOT APPROVED WITHIN THIRTY DAYS. APPROVED JOIST DRAWINGS MUST BE
- ALL CAMBERS ARE MEASURED FROM A STRAIGHT LINE DRAWN THRU SUPPORTS. ALL CAMBERS ARE CROWN UP.
- ANY UNCLEAR OR CONFLICTING INFO. ON ANY STRUCTURAL SHEET SHALL BE BROUGHT TO THE ENGINEERS ATTENTION BEFORE CONSTRUCTION BEGINS.
- CONTRACTOR MUST VERIFY ALL DIMENSIONS W/ARCHITECTURAL PLANS AND REPORT ANY CONFLICTS OR OMISSIONS TO THE ENGINEER AND ARCHITECT BEFORE BEGINNING CONSTRUCTION.
- 13. ALL PURLINS BRACE COLUMNS THAT LAND ON TOP OF A BEARING / SHEARWALL MUST HAVE A WALL STUD UNDER THEM.
- 4. SEE ARCHITECTURAL PLANS FOR ALL TOP PLATE HEIGHTS
- 15. SEE 5/SI.3 FOR HEADER SIZES NOT GIVEN ON THIS PLAN
- THE CONTRACTOR MUST USE CONVENTIONAL FRAMING METHODS WHEN FRAMING THIS STRUCTURE. ALL RAFTERS, RIDGE BEAMS, HIPS, AND VALLEYS MUST BE BRACED ACCORDING TO CBC MINIMUMS FOR CONVENTIONAL FRAMING.
- . SEE 5/SI.3 FOR TYPICAL WALL FRAMING AND HEADER CONNECTION
- 8. PROVIDE FLOOR EDGE NAILING TO ALL CONNECTED TRUSSES THAT HAVE A STRAP IDENTIFIED ON THE FLOOR FRAMING PLAN, TYP. INDICATES SHEARMALL TYP, SEE SHEARMALL SCHEDULE @ S2.1
- INDICATES: FLOOR SHEATHING 3/4" APA RATED STRI, T&G PLYWOOD W/ IOd NAILS @ 6" O.C. ALL EDGES & @ 12" O.C. AT FIELD STAGGER PLYWOOD & LAY 8'-0" DIMENSION PERP. TO FRAMING. (OSB IS
- 1) INDICATES VERTICAL STRAP OR HOLDOWN INSTALLED FROM POST ABOVE TO POST BELOW PER SHEARWALL TIE SCHEDULE.
- 22. AT LOCATIONS WHERE POSTS SIZE ARE NOT PROVIDED USE A POST TYPE "CI" MIN. PER COL SCHEDULE @ FND. PLAN
- 23. ALL GLULAM BEAMS SHOULD BE GIVEN A "STANDARD" CAMBER, UNO. \$ SHALL HAVE 24F-V4 GRADE (24-V8 AT CANTILEVERS).
- INDICATES: DECK FLOOR | 1/8" EXTERIOR RATED, STRI, EXP | PLYWOOD W/ IOd NAILS @ 6" O.C. ALL EDGES \$ @ 12" O.C. AT FIELD STAGGER PLYWOOD & LAY 8'-0" DIMENSION PERP. TO FRAMING. (OSB IS

TRUSS NOTES

- STRUCTURAL CALCULATIONS SHALL BE PROVIDED BY TRUSS MANUFACTURER FOR ALL TRUSS TYPES AND SHALL INCLUDE SUPPORT FOR MECHANICAL UNIT, PLATFORM AND ACCESS CATWALK.
- TRUSS FABRICATOR SHALL PROVIDE A SCHEMATIC LAYOUT OF ALL TRUSSES, SEQUENCE OF ERECTION AND INSTALLATION TO THE DESIGNER FOR REVIEW PRIOR TO PROCEEDING WITH CONSTRUCTION.
- TRUSS-TO-TRUSS CONNECTIONS AND OTHER DETAILS RELATED TO TRUSSES SHALL BE VERIFIED BY TRUSS FABRICATOR, INCLUDING BRACING, STRONG BACKS AND
- ERECTION DETAILS. . ALL TRUSSES AND TRUSS DRAWINGS SHALL BE IN ACCORDANCE WITH APPLICABLE
- . THE TRUSS DRAWINGS AND STRUCTURAL CALCULATIONS SHALL BE SUPPLIED BY THE TRUSS MANUFACTURER AND SUBMITTED FOR APPROVAL PRIOR TO BUILDING
- . TRUSS MANUFACTURER SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BRING ANY DISCREPANCIES WITH THESE PLANS TO THE ATTENTION OF THE ENGINEER OF
- RECORD PRIOR TO TRUSS FABRICATION. THE GENERAL CONTRACTOR SHALL NOT PERMIT DRILLING, CUTTING OR ANY OTHER
- DAMAGE TO TRUSSES. . MAINTAIN 1/4" CLEARANCE BETWEEN TOP PLATE OF NON BEARING WALLS AND
- BOTTOM CHORDS OF TRUSSES, PROVIDE "SIMPSON" (OR EQ.) STC TRUSS CLIP AT 48" O.C. (MAX) AT SUCH LOCATION.
- . PROVIDE 2 X 4 CONTINUOUS BRACING AT 10'-0" O.C. MAX. TO BOTTOM CHORDS OR AS REQUIRED BY TRUSS MANUFACTURER.
- . THE CONTRACTOR SHALL INSTALL TEMPORARY HORIZONTAL AND CROSS BRACING TO HOLD TRUSSES PLUMB AND IN SAFE CONDITION
- INSTALL PERMANENT BRACING PRIOR TO LOADING TRUSSES.
- PROVIDE SIMPSON CONNECTORS AT E.A. TRUSS END (TYPICAL).
- 14. APPROVED TRUSS DRAWINGS MUST BE ON JOB SITE FOR INSPECTION PURPOSES

	SHEARWALL	TIE SCHEDULE
SYM.	STRAP / HOLDOWN	POST REQUIRED (UNO ON PLAN)
1	MST48 / HDU2	4×6 DF#2
2	MST60 / HDU4	4×6 DF#2
3	CMSTI4x7' / HDU8	6×6 DF#2
4	CMSTI2x7' / HDUII	6×6 DF#2
NOTES:		

STRAP TYPICAL DETAILS: 7/56.3 \$ 13/56.3 FOR POST TO POST . SEE DETAIL 14/S6.3 \$ 15/S6.3 @ STRAPS @ POST TO BEAM



TOP CHORD LIVE LOAD = 20 PSF DEAD LOAD = 15 PSF BOT. CHORD

DEAD LOAD = 8 PSF INSIDE BUILDING LIVE LOAD = 10 PSF - (NOT ACTING CONCURRENTLY WITH TOP CHORD LIVE LOAD) WIND UPLIFT = 15 PSF - (GROSS)

LH3 SIMPSON STRONG TIE EA. TRUSS (TYP.)

* TRUSS MANUFACTURE TO DESIGN FOR 400lbs ADD'L. LOAD SPRINKLER LOAD ANY WHERE THE * SEE FAU UNIT W = 300lbs @ ATTIC

TRUSSES DESIGNED AND MANUFACTURED BY: CV TRUSS 10715 E. AMERICAN AVE. **DEL REY, CA 93616** PHONE: (559) 351-0810

COLUMN COLUMN CAP

2nd FLOOR FRAMING PLAN

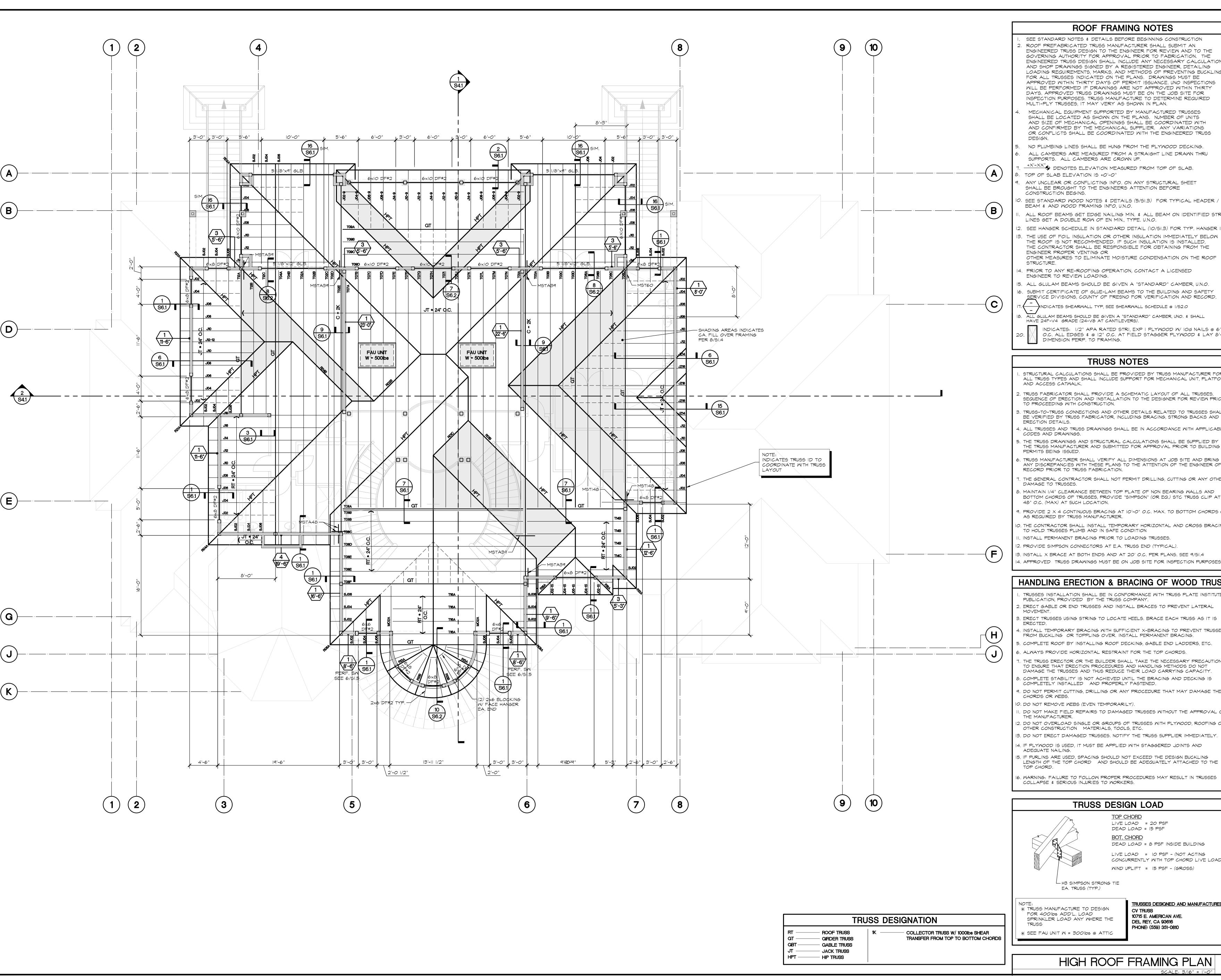
SCALE: 3/16" = 1'-0"

CENTRAL VALLEY ENGINEERING & SURVEYING, INC. 2132 HIGH STREET SELMA, CA 93662 Fax (559) 891-8815 WWW.CVEAS.COM Email: info@cveas.com

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2nd FLOOR FRAMING PLAN CVEAS Job # :

Drawn By: Checked By: AS NOTED



ROOF FRAMING NOTES

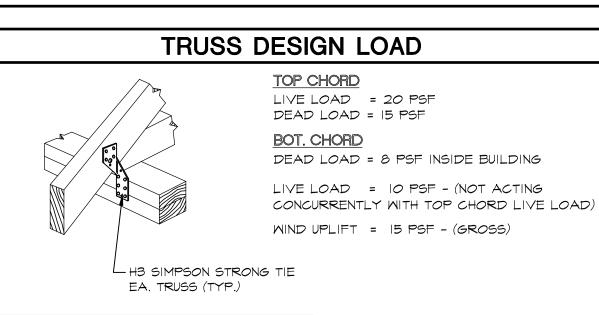
- SEE STANDARD NOTES & DETAILS BEFORE BEGINNING CONSTRUCTION ROOF PREFABRICATED TRUSS MANUFACTURER SHALL SUBMIT AN ENGINEERED TRUSS DESIGN TO THE ENGINEER FOR REVIEW AND TO THE GOVERNING AUTHORITY FOR APPROVAL PRIOR TO FABRICATION. THE ENGINEERED TRUSS DESIGN SHALL INCLUDE ANY NECESSARY CALCULATIONS AND SHOP DRAWINGS SIGNED BY A REGISTERED ENGINEER, DETAILING LOADING REQUIREMENTS, MARKS, AND METHODS OF PREVENTING BUCKLING FOR ALL TRUSSES INDICATED ON THE PLANS. DRAWINGS MUST BE APPROVED WITHIN THIRTY DAYS OF PERMIT ISSUANCE. UNO INSPECTIONS WILL BE PERFORMED IF DRAWINGS ARE NOT APPROVED WITHIN THIRTY DAYS. APPROVED TRUSS DRAWINGS MUST BE ON THE JOB SITE FOR
- MULTI-PLY TRUSSES, IT MAY VERY AS SHOWN IN PLAN. MECHANICAL EQUIPMENT SUPPORTED BY MANUFACTURED TRUSSES SHALL BE LOCATED AS SHOWN ON THE PLANS. NUMBER OF UNITS AND SIZE OF MECHANICAL OPENINGS SHALL BE COORDINATED WITH AND CONFIRMED BY THE MECHANICAL SUPPLIER. ANY VARIATIONS
- OR CONFLICTS SHALL BE COORDINATED WITH THE ENGINEERED TRUSS NO PLUMBING LINES SHALL BE HUNG FROM THE PLYWOOD DECKING.
- +X'-XX" DENOTES ELEVATION MEASURED FROM TOP OF SLAB. TOP OF SLAB ELEVATION IS +0'-0"
- SHALL BE BROUGHT TO THE ENGINEERS ATTENTION BEFORE CONSTRUCTION BEGINS. SEE STANDARD WOOD NOTES & DETAILS (5/SI.3) FOR TYPICAL HEADER /
- BEAM & AND WOOD FRAMING INFO, U.N.O. ALL ROOF BEAMS GET EDGE NAILING MIN. & ALL BEAM ON IDENTIFIED STRUT
- . SEE HANGER SCHEDULE IN STANDARD DETAIL (IO/SI.3) FOR TYP. HANGER INFO 3. THE USE OF FOIL INSULATION OR OTHER INSULATION IMMEDIATELY BELOW THE ROOF IS NOT RECOMMENDED. IF SUCH INSULATION IS INSTALLED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING FROM THE ENGINEER PROPER VENTING OR OTHER MEASURES TO ELIMINATE MOISTURE CONDENSATION ON THE ROOF
- PRIOR TO ANY RE-ROOFING OPERATION, CONTACT A LICENSED ENGINEER TO REVIEW LOADING.
- 15. ALL GLULAM BEAMS SHOULD BE GIVEN A "STANDARD" CAMBER, U.N.O. 16. SUBMIT CERTIFICATE OF GLUE-LAM BEAMS TO THE BUILDING AND SAFETY SERVICE DIVISIONS, COUNTY OF FRESNO FOR VERIFICATION AND RECORD.
- INDICATES SHEARWALL TYP, SEE SHEARWALL SCHEDULE @ 1/52.0
- ALL GLULAM BEAMS SHOULD BE GIVEN A "STANDARD" CAMBER, UNO. \$ SHALL HAVE 24F-V4 GRADE (24-V8 AT CANTILEVERS).
- INDICATES: 1/2" APA RATED STRI, EXP | PLYWOOD W/ IOd NAILS @ 6" O.C. ALL EDGES \$ @ 12" O.C. AT FIELD STAGGER PLYWOOD \$ LAY 8'-O" DIMENSION PERP. TO FRAMING.

TRUSS NOTES

- STRUCTURAL CALCULATIONS SHALL BE PROVIDED BY TRUSS MANUFACTURER FOR ALL TRUSS TYPES AND SHALL INCLUDE SUPPORT FOR MECHANICAL UNIT, PLATFORM AND ACCESS CATMALK.
- TRUSS FABRICATOR SHALL PROVIDE A SCHEMATIC LAYOUT OF ALL TRUSSES, SEQUENCE OF ERECTION AND INSTALLATION TO THE DESIGNER FOR REVIEW PRIOR TO PROCEEDING WITH CONSTRUCTION.
- TRUSS-TO-TRUSS CONNECTIONS AND OTHER DETAILS RELATED TO TRUSSES SHALL BE VERIFIED BY TRUSS FABRICATOR, INCLUDING BRACING, STRONG BACKS AND
- . ALL TRUSSES AND TRUSS DRAWINGS SHALL BE IN ACCORDANCE WITH APPLICABLE CODES AND DRAWINGS.
- THE TRUSS MANUFACTURER AND SUBMITTED FOR APPROVAL PRIOR TO BUILDING PERMITS BEING ISSUED. . TRUSS MANUFACTURER SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BRING ANY DISCREPANCIES WITH THESE PLANS TO THE ATTENTION OF THE ENGINEER OF
- . THE GENERAL CONTRACTOR SHALL NOT PERMIT DRILLING, CUTTING OR ANY OTHER DAMAGE TO TRUSSES.
- 5. MAINTAIN 1/4" CLEARANCE BETWEEN TOP PLATE OF NON BEARING WALLS AND BOTTOM CHORDS OF TRUSSES, PROVIDE "SIMPSON" (OR EQ.) STC TRUSS CLIP AT 48" O.C. (MAX) AT SUCH LOCATION.
- . PROVIDE 2 X 4 CONTINUOUS BRACING AT 10'-0" O.C. MAX. TO BOTTOM CHORDS OR AS REQUIRED BY TRUSS MANUFACTURER.
-). THE CONTRACTOR SHALL INSTALL TEMPORARY HORIZONTAL AND CROSS BRACING
- TO HOLD TRUSSES PLUMB AND IN SAFE CONDITION . INSTALL PERMANENT BRACING PRIOR TO LOADING TRUSSES.
- 2. PROVIDE SIMPSON CONNECTORS AT E.A. TRUSS END (TYPICAL).
- 3. INSTALL X BRACE AT BOTH ENDS AND AT 20' O.C. PER PLANS. SEE 9/SI.4 4. APPROVED TRUSS DRAWINGS MUST BE ON JOB SITE FOR INSPECTION PURPOSES

HANDLING ERECTION & BRACING OF WOOD TRUSS

- TRUSSES INSTALLATION SHALL BE IN CONFORMANCE WITH TRUSS PLATE INSTITUTE PUBLICATION, PROVIDED BY THE TRUSS COMPANY.
- . ERECT GABLE OR END TRUSSES AND INSTALL BRACES TO PREVENT LATERAL . ERECT TRUSSES USING STRING TO LOCATE HEELS. BRACE EACH TRUSS AS IT IS
- . INSTALL TEMPORARY BRACING WITH SUFFICIENT X-BRACING TO PREVENT TRUSSES FROM BUCKLING OR TOPPLING OVER. INSTALL PERMANENT BRACING.
- 5. COMPLETE ROOF BY INSTALLING ROOF DECKING, GABLE END LADDERS, ETC. ALWAYS PROVIDE HORIZONTAL RESTRAINT FOR THE TOP CHORDS.
- THE TRUSS ERECTOR OR THE BUILDER SHALL TAKE THE NECESSARY PRECAUTIONS TO ENSURE THAT ERECTION PROCEDURES AND HANDLING METHODS DO NOT DAMAGE THE TRUSSES AND THUS REDUCE THEIR LOAD CARRYING CAPACITY.
- COMPLETELY INSTALLED AND PROPERLY FASTENED. I. DO NOT PERMIT CUTTING, DRILLING OR ANY PROCEDURE THAT MAY DAMAGE THE CHORDS OR WEBS.
- . DO NOT MAKE FIELD REPAIRS TO DAMAGED TRUSSES WITHOUT THE APPROVAL OF
- 2. DO NOT OVERLOAD SINGLE OR GROUPS OF TRUSSES WITH PLYWOOD, ROOFING OR
- OTHER CONSTRUCTION MATERIALS, TOOLS, ETC. 13. DO NOT ERECT DAMAGED TRUSSES. NOTIFY THE TRUSS SUPPLIER IMMEDIATELY. 14. IF PLYWOOD IS USED, IT MUST BE APPLIED WITH STAGGERED JOINTS AND
- 5. IF PURLINS ARE USED, SPACING SHOULD NOT EXCEED THE DESIGN BUCKLING LENGTH OF THE TOP CHORD AND SHOULD BE ADEQUATELY ATTACHED TO THE
- 6. WARNING: FAILURE TO FOLLOW PROPER PROCEDURES MAY RESULT IN TRUSSES COLLAPSE & SERIOUS INJURIES TO WORKERS.



* TRUSS MANUFACTURE TO DESIGN FOR 400lbs ADD'L. LOAD SPRINKLER LOAD ANY WHERE THE * SEE FAU UNIT W = 300lbs @ ATTIC

TRUSSES DESIGNED AND MANUFACTURED BY CV TRUSS 10715 E. AMERICAN AVE. **DEL REY, CA 93616** PHONE: (559) 351-0810

HIGH ROOF FRAMING PLAN

CENTRAL VALLEY ENGINEERING & SURVEYING, INC. 2132 HIGH STREET SELMA, CA 93662 Fax (559) 891-8815 WWW.CVEAS.COM Email: info@cveas.com

AS NOTED

HIGH ROOF FRAMING

CVEAS Job # :

Drawn By:

Checked By:

ROOF FRAMING NOTES

- SEE STANDARD NOTES & DETAILS BEFORE BEGINNING CONSTRUCTION
 ROOF PREFABRICATED TRUSS MANUFACTURER SHALL SUBMIT AN
 ENGINEERED TRUSS DESIGN TO THE ENGINEER FOR REVIEW AND TO THE
 GOVERNING AUTHORITY FOR APPROVAL PRIOR TO FABRICATION. THE
 ENGINEERED TRUSS DESIGN SHALL INCLUDE ANY NECESSARY CALCULATIONS
 AND SHOP DRAWINGS SIGNED BY A REGISTERED ENGINEER, DETAILING
 LOADING REQUIREMENTS, MARKS, AND METHODS OF PREVENTING BUCKLING
 FOR ALL TRUSSES INDICATED ON THE PLANS. DRAWINGS MUST BE
 APPROVED WITHIN THIRTY DAYS OF PERMIT ISSUANCE. UNO INSPECTIONS
 WILL BE PERFORMED IF DRAWINGS ARE NOT APPROVED WITHIN THIRTY
 DAYS. APPROVED TRUSS DRAWINGS MUST BE ON THE JOB SITE FOR
 INSPECTION PURPOSES. TRUSS MANUFACTURE TO DETERMINE REQUIRED
 MULTI-PLY TRUSSES, IT MAY VERY AS SHOWN IN PLAN.
- 4. MECHANICAL EQUIPMENT SUPPORTED BY MANUFACTURED TRUSSES SHALL BE LOCATED AS SHOWN ON THE PLANS. NUMBER OF UNITS AND SIZE OF MECHANICAL OPENINGS SHALL BE COORDINATED WITH AND CONFIRMED BY THE MECHANICAL SUPPLIER. ANY VARIATIONS OR CONFLICTS SHALL BE COORDINATED WITH THE ENGINEERED TRUSS DESIGN.
- DESIGN.

 NO PLUMBING LINES SHALL BE HUNG FROM THE PLYWOOD DECKING.
- 6. ALL CAMBERS ARE MEASURED FROM A STRAIGHT LINE DRAWN THRU SUPPORTS. ALL CAMBERS ARE CROWN UP.

 7. +X'-XX" DENOTES ELEVATION MEASURED FROM TOP OF SLAB.
- 8. TOP OF SLAB ELEVATION IS +0'-0"9. ANY UNCLEAR OR CONFLICTING INFO. ON ANY STRUCTURAL SHEET SHALL BE BROUGHT TO THE ENGINEERS ATTENTION BEFORE
- CONSTRUCTION BEGINS.

 10. SEE STANDARD WOOD NOTES & DETAILS (5/SI.3) FOR TYPICAL HEADER /
- BEAM & AND WOOD FRAMING INFO, U.N.O.

 II. ALL ROOF BEAMS GET EDGE NAILING MIN. & ALL BEAM ON IDENTIFIED STRUT LINES GET A DOUBLE ROW OF EN MIN., TYPE. U.N.O.
- 12. SEE HANGER SCHEDULE IN STANDARD DETAIL (10/SI.3) FOR TYP. HANGER INFO
 13. THE USE OF FOIL INSULATION OR OTHER INSULATION IMMEDIATELY BELOW
 THE ROOF IS NOT RECOMMENDED. IF SUCH INSULATION IS INSTALLED,
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING FROM THE
 ENGINEER PROPER VENTING OR
- OTHER MEASURES TO ELIMINATE MOISTURE CONDENSATION ON THE ROOF STRUCTURE.
- 14. PRIOR TO ANY RE-ROOFING OPERATION, CONTACT A LICENSED ENGINEER TO REVIEW LOADING.
- 15. ALL GLULAM BEAMS SHOULD BE GIVEN A "STANDARD" CAMBER, U.N.O.

 16. SUBMIT CERTIFICATE OF GLUE-LAM BEAMS TO THE BUILDING AND SAFETY
- SERVICE DIVISIONS, COUNTY OF FRESNO FOR VERIFICATION AND RECORD.

 17. INDICATES SHEARWALL TYP, SEE SHEARWALL SCHEDULE @ 1/52.0
- 18. ALL GLULAM BEAMS SHOULD BE GIVEN A "STANDARD" CAMBER, UNO. & SHALL HAVE 24F-V4 GRADE (24-V8 AT CANTILEVERS).
- O.C. ALL EDGES & @ 12" O.C. AT FIELD STAGGER PLYWOOD & LAY 8'-0" DIMENSION PERP. TO FRAMING. SEE TITLE 24 FOR RADIANT BARRIER PLY REQUIREMENTS

TRUSS NOTES

- ALL TRUSS TYPES AND SHALL INCLUDE SUPPORT FOR MECHANICAL UNIT, PLATFORM AND ACCESS CATWALK.

 2. TRUSS FABRICATOR SHALL PROVIDE A SCHEMATIC LAYOUT OF ALL TRUSSES,
- SEQUENCE OF ERECTION AND INSTALLATION TO THE DESIGNER FOR REVIEW PRIOR TO PROCEEDING WITH CONSTRUCTION.

 3. TRUSS-TO-TRUSS CONNECTIONS AND OTHER DETAILS RELATED TO TRUSSES SHALL

STRUCTURAL CALCULATIONS SHALL BE PROVIDED BY TRUSS MANUFACTURER FOR

- BE VERIFIED BY TRUSS FABRICATOR, INCLUDING BRACING, STRONG BACKS AND ERECTION DETAILS.

 4. ALL TRUSSES AND TRUSS DRAWINGS SHALL BE IN ACCORDANCE WITH APPLICABLE
- CODES AND DRAWINGS.

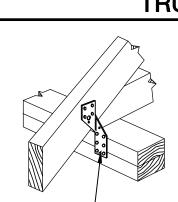
 5. THE TRUSS DRAWINGS AND STRUCTURAL CALCULATIONS SHALL BE SUPPLIED BY THE TRUSS MANUFACTURER AND SUBMITTED FOR APPROVAL PRIOR TO BUILDING
- PERMITS BEING ISSUED.

 5. TRUSS MANUFACTURER SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BRING ANY DISCREPANCIES WITH THESE PLANS TO THE ATTENTION OF THE ENGINEER OF
- 7. THE GENERAL CONTRACTOR SHALL NOT PERMIT DRILLING, CUTTING OR ANY OTHER DAMAGE TO TRUSSES.

RECORD PRIOR TO TRUSS FABRICATION.

- 8. MAINTAIN 1/4" CLEARANCE BETWEEN TOP PLATE OF NON BEARING WALLS AND BOTTOM CHORDS OF TRUSSES, PROVIDE "SIMPSON" (OR EQ.) STC TRUSS CLIP AT 48" O.C. (MAX) AT SUCH LOCATION.
- . PROVIDE 2 X 4 CONTINUOUS BRACING AT 10'-0" O.C. MAX. TO BOTTOM CHORDS OR AS REQUIRED BY TRUSS MANUFACTURER.
- THE CONTRACTOR SHALL INSTALL TEMPORARY HORIZONTAL AND CROSS BRACING TO HOLD TRUSSES PLUMB AND IN SAFE CONDITION
- . INSTALL PERMANENT BRACING PRIOR TO LOADING TRUSSES.
- 2. PROVIDE SIMPSON CONNECTORS AT E.A. TRUSS END (TYPICAL).
- 3. INSTALL X BRACE AT BOTH ENDS AND AT 20' O.C. PER PLANS, SEE 9/SI.4
 4. APPROVED TRUSS DRAWINGS MUST BE ON JOB SITE FOR INSPECTION PURPOSES

TRUSS DESIGN LOAD



HANDLING ERECTION & BRACING OF WOOD TRUSS

TRUSSES INSTALLATION SHALL BE IN CONFORMANCE WITH TRUSS PLATE INSTITUTE

. ERECT GABLE OR END TRUSSES AND INSTALL BRACES TO PREVENT LATERAL

. ERECT TRUSSES USING STRING TO LOCATE HEELS. BRACE EACH TRUSS AS IT IS

FROM BUCKLING OR TOPPLING OVER. INSTALL PERMANENT BRACING.

. ALWAYS PROVIDE HORIZONTAL RESTRAINT FOR THE TOP CHORDS.

COMPLETELY INSTALLED AND PROPERLY FASTENED.

10. DO NOT REMOVE WEBS (EVEN TEMPORARILY).

OTHER CONSTRUCTION MATERIALS, TOOLS, ETC.

COLLAPSE & SERIOUS INJURIES TO WORKERS.

CHORDS OR WEBS.

THE MANUFACTURER.

ADEQUATE NAILING.

5. COMPLETE ROOF BY INSTALLING ROOF DECKING, GABLE END LADDERS, ETC.

TO ENSURE THAT ERECTION PROCEDURES AND HANDLING METHODS DO NOT DAMAGE THE TRUSSES AND THUS REDUCE THEIR LOAD CARRYING CAPACITY.

8. COMPLETE STABILITY IS NOT ACHIEVED UNTIL THE BRACING AND DECKING IS

9. DO NOT PERMIT CUTTING, DRILLING OR ANY PROCEDURE THAT MAY DAMAGE THE

. DO NOT MAKE FIELD REPAIRS TO DAMAGED TRUSSES WITHOUT THE APPROVAL OF

12. DO NOT OVERLOAD SINGLE OR GROUPS OF TRUSSES WITH PLYWOOD, ROOFING OR

13. DO NOT ERECT DAMAGED TRUSSES. NOTIFY THE TRUSS SUPPLIER IMMEDIATELY.

4. IF PLYWOOD IS USED, IT MUST BE APPLIED WITH STAGGERED JOINTS AND

5. IF PURLINS ARE USED, SPACING SHOULD NOT EXCEED THE DESIGN BUCKLING

LENGTH OF THE TOP CHORD AND SHOULD BE ADEQUATELY ATTACHED TO THE

6. WARNING: FAILURE TO FOLLOW PROPER PROCEDURES MAY RESULT IN TRUSSES

. INSTALL TEMPORARY BRACING WITH SUFFICIENT X-BRACING TO PREVENT TRUSSES

THE TRUSS ERECTOR OR THE BUILDER SHALL TAKE THE NECESSARY PRECAUTIONS

PUBLICATION, PROVIDED BY THE TRUSS COMPANY.

TOP CHORD

LIVE LOAD = 20 PSF

DEAD LOAD = 15 PSF

BOT. CHORD

DEAD LOAD = 8 PSF INSIDE BUILDING

LIVE LOAD = 10 PSF - (NOT ACTING CONCURRENTLY WITH TOP CHORD LIVE LOAD)

WIND UPLIFT = 15 PSF - (GROSS)

LH3 SIMPSON STRONG TIE EA. TRUSS (TYP.)

NOTE:

* TRUSS MANUFACTURE TO DESIGN

FOR 400lbs ADD'L. LOAD

SPRINKLER LOAD ANY WHERE THE

TRUSSES DESIGNED AND MANUFACTURED BY:
CV TRUSS
10715 E. AMERICAN AVE.
DEL REY, CA 93616

* SEE FAU UNIT W = 300lbs @ ATTIC

DEL REY, CA 93616 PHONE: (559) 351-0810

TRUSS DESIGNATION

RT — ROOF TRUSS GT — GIRDER TRUSS GBT — GABLE TRUSS JT — JACK TRUSS HPT — HIP TRUSS	1K ———— COLLECTOR TRUSS W/ 1000lbs SHEAR TRANSFER FROM TOP TO BOTTOM CHORDS
---	---

NOTE: • DO NOT USE STRAPS NAILED INTO NARROW SIDE OF TRUSS CHORDS WITHOUT TRUSS ENG. APPROVAL.

- REFER TO TRUSS DIAGRAMS FOR MANUFACTURER'S WEB BRACING LOCATIONS.
- ALIGN 2X6 STUDS DIRECTLY BELOW TRUSSES AT GRIDS
 D & G (LONG SPAN TRUSSES)
- OTE:

NOTE:
PROVIDE SOLID BLOCKING AT TRUSS BEARING POINTS.
BLOCKING WITH BRIDGING IS REQUIRED AT TOP & BOTTOM CHORD OF A CHOPPED TRUSS OR AT INTERIOR BEARINGS.

INGLE FAMILY RESIDENCE FOR EP DHADWAL AND DOUGHERTY AVE. AN HILLS, CA 95037

CENTRAL VALLEY

ENGINEERING & SURVEYING, INC.

WWW.CVEAS.COM Email: info@cveas.com

Fax (559) 891-8815

2132 HIGH STREET

SELMA, CA 93662

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ROOF FRAMING PLAN GUEST HOUSE

CVEAS Job # :

22146

Date:

Drawn By:

AA

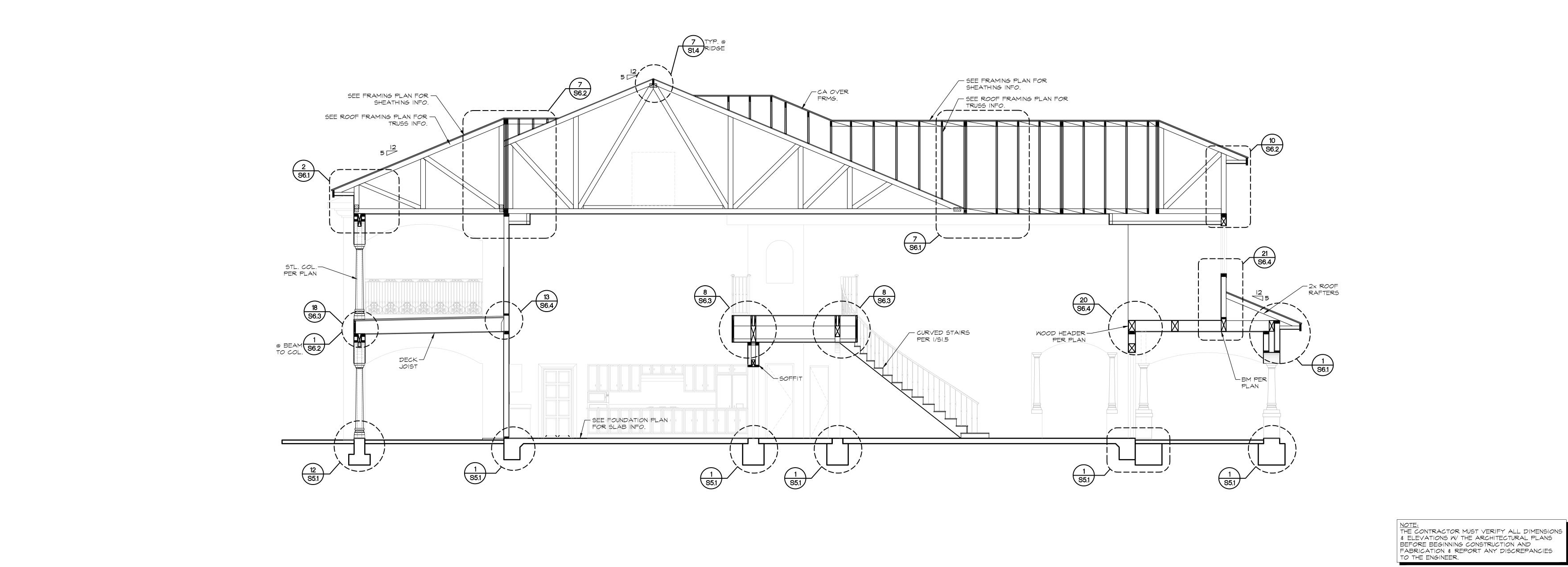
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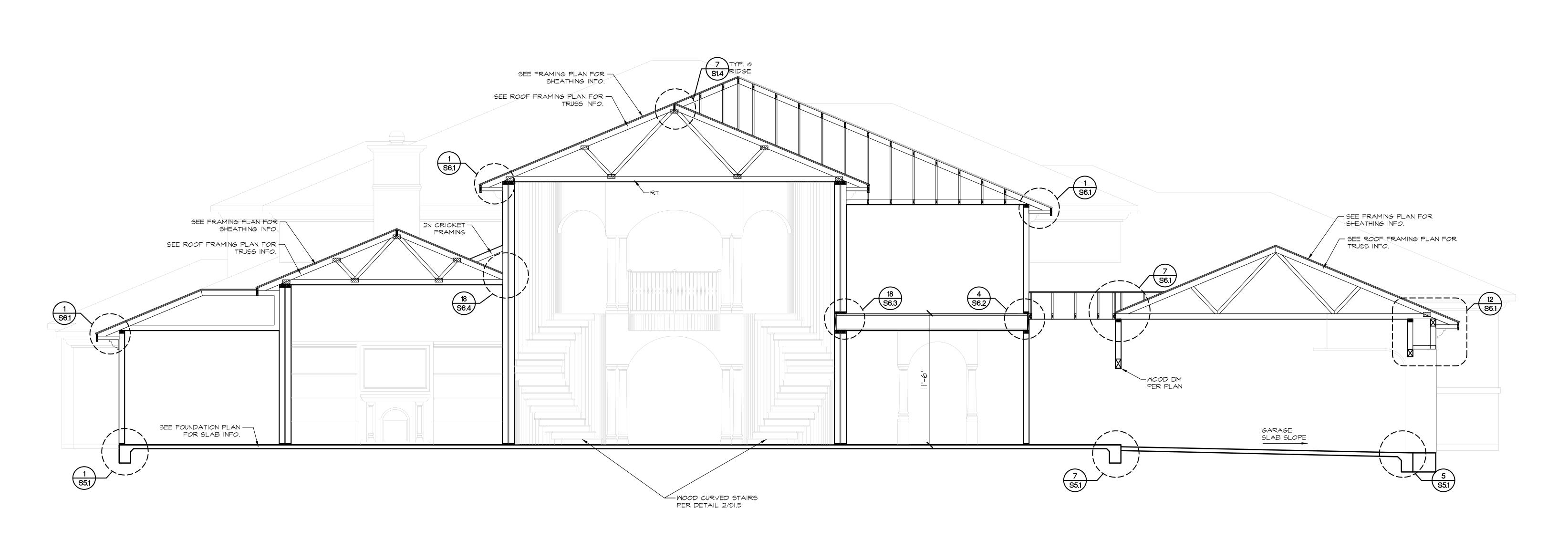
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S3.3



BUILDING SECTION SCALE: |/4" = |'-0"



NOTE:
THE CONTRACTOR MUST VERIFY ALL DIMENSIONS
& ELEVATIONS W/ THE ARCHITECTURAL PLANS
BEFORE BEGINNING CONSTRUCTION AND
FABRICATION & REPORT ANY DISCREPANCIES
TO THE ENGINEER.

BUILDING SECTION

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

RE

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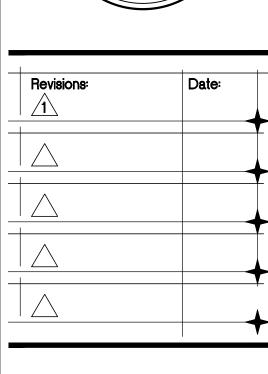
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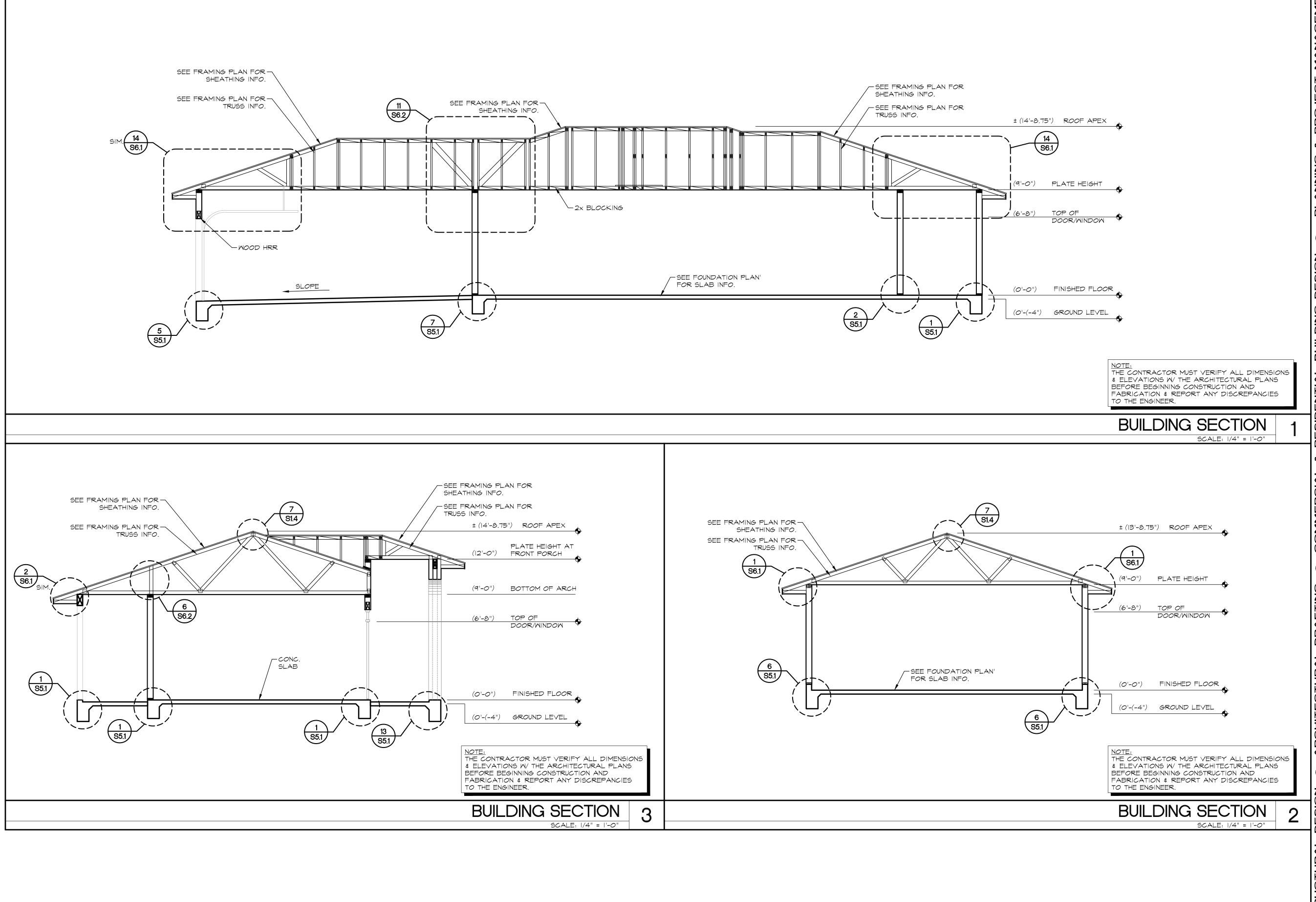
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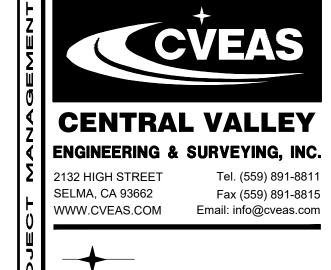
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SECTIONS		
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NEW SINGLE FAMILY RESIDENCE GURDEEP DHADWAL PALM AND DOUGHERTY AVE. MORGAN HILLS, CA 95037 APN: 712-27-043

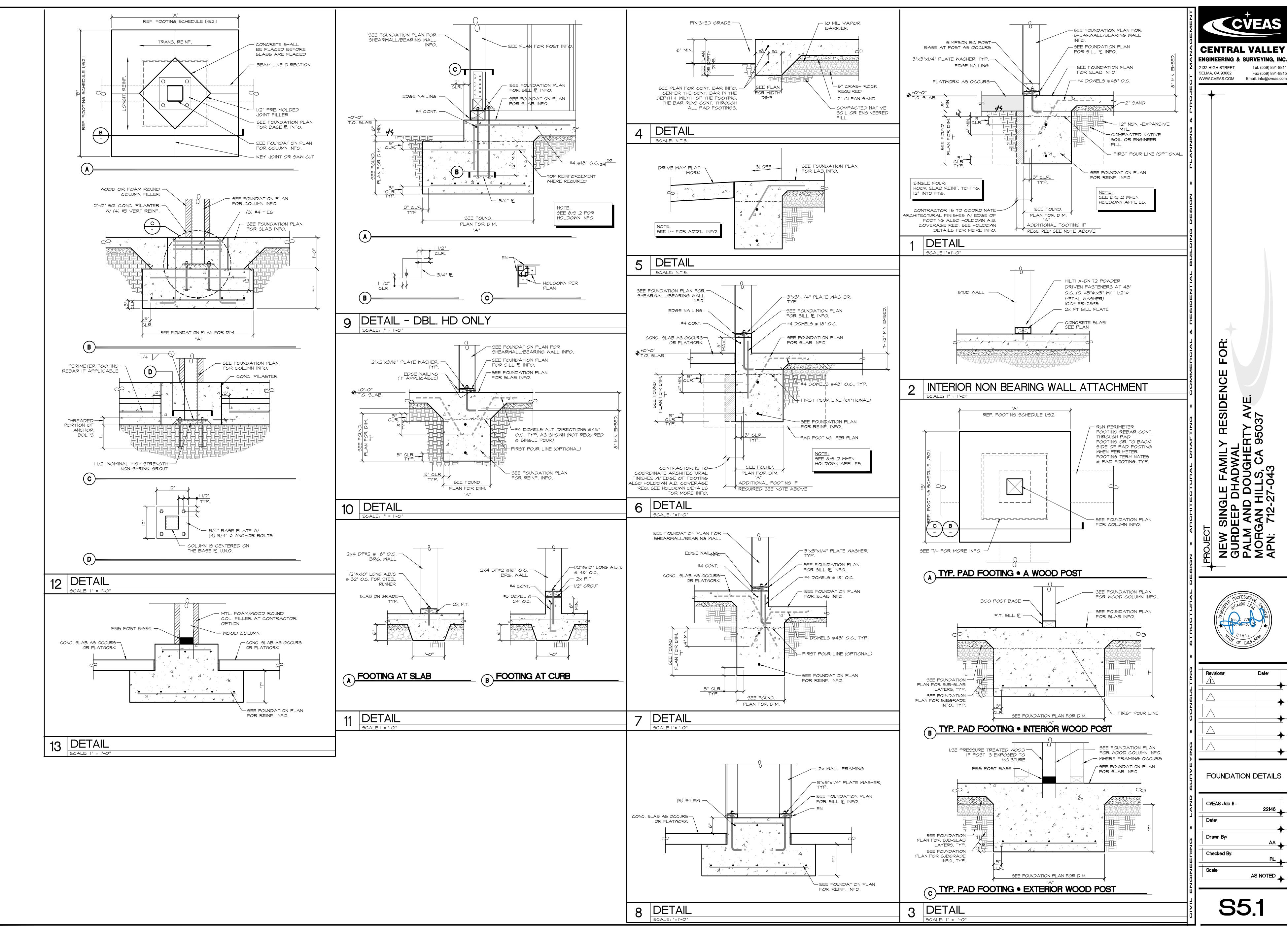
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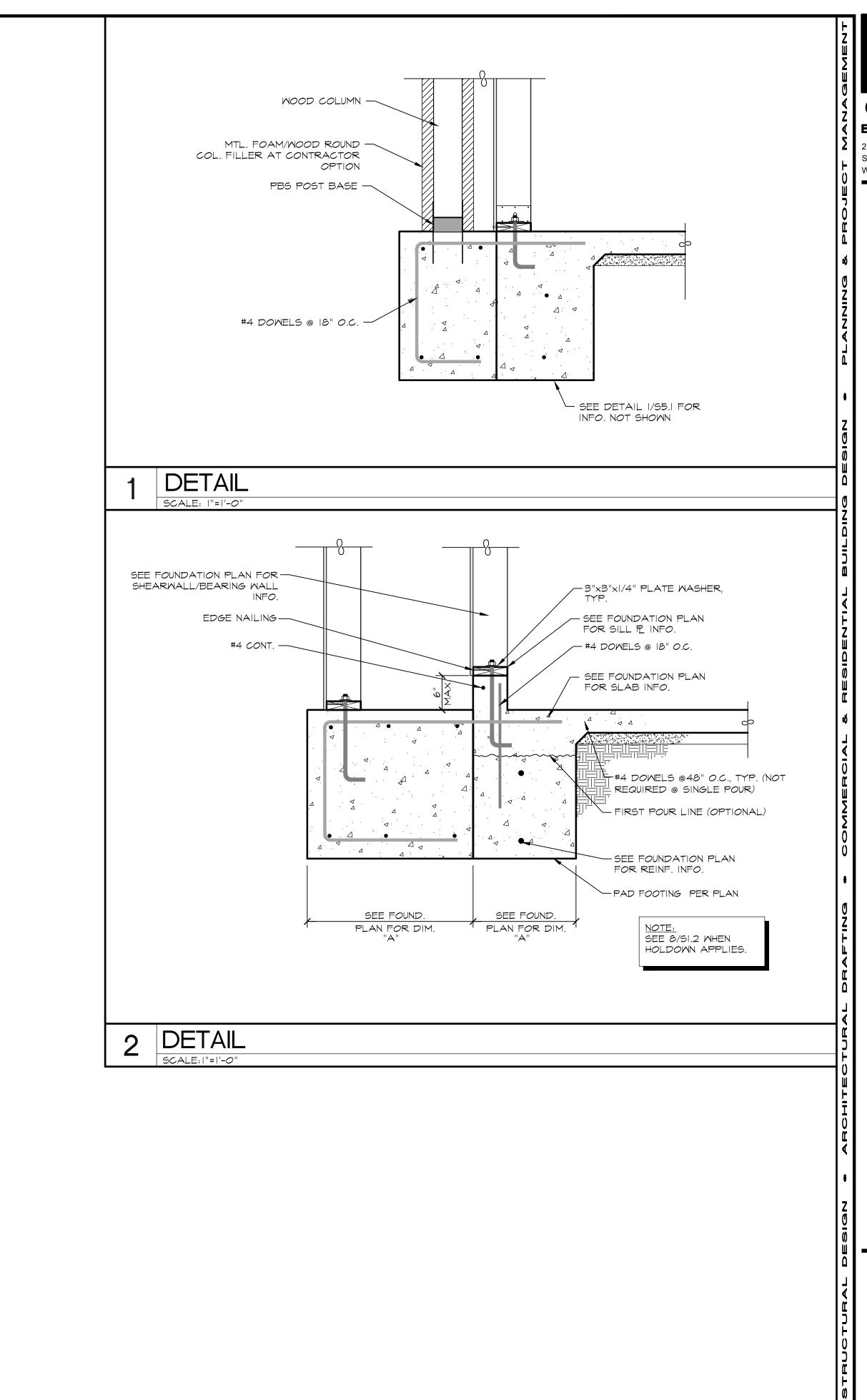
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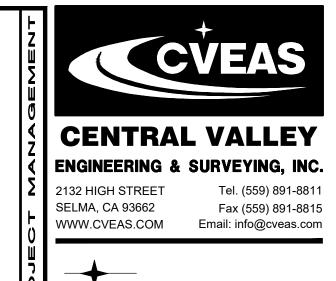
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NEW SINGLE FAMILY RESIDEN GURDEEP DHADWAL PALM AND DOUGHERTY AVE. MORGAN HILLS, CA 95037 APN: 712-27-043

FOR:

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-	Revisions:	Date:
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	FOUNDATI	ON DETAILS

CVEAS Job # :

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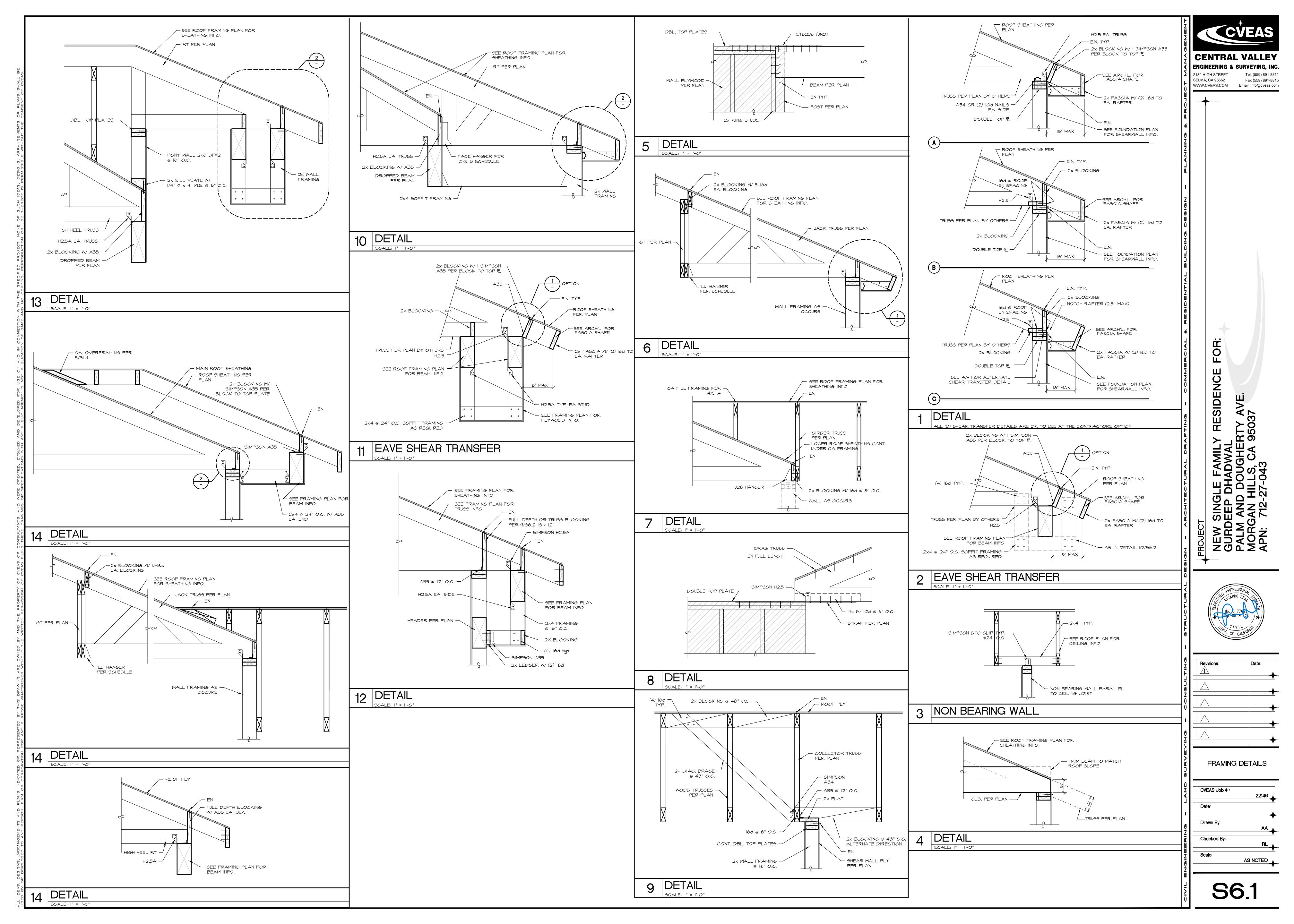
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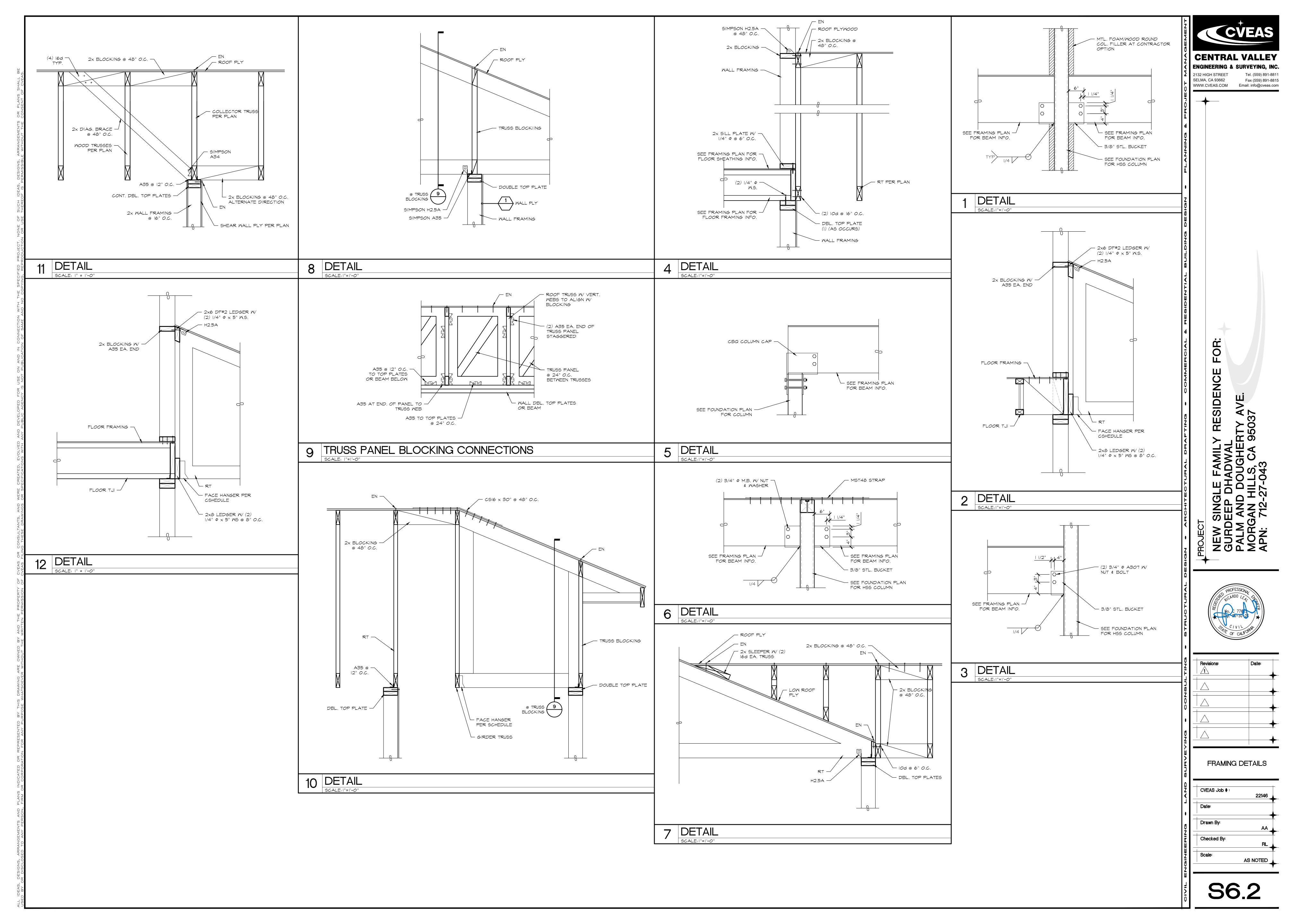
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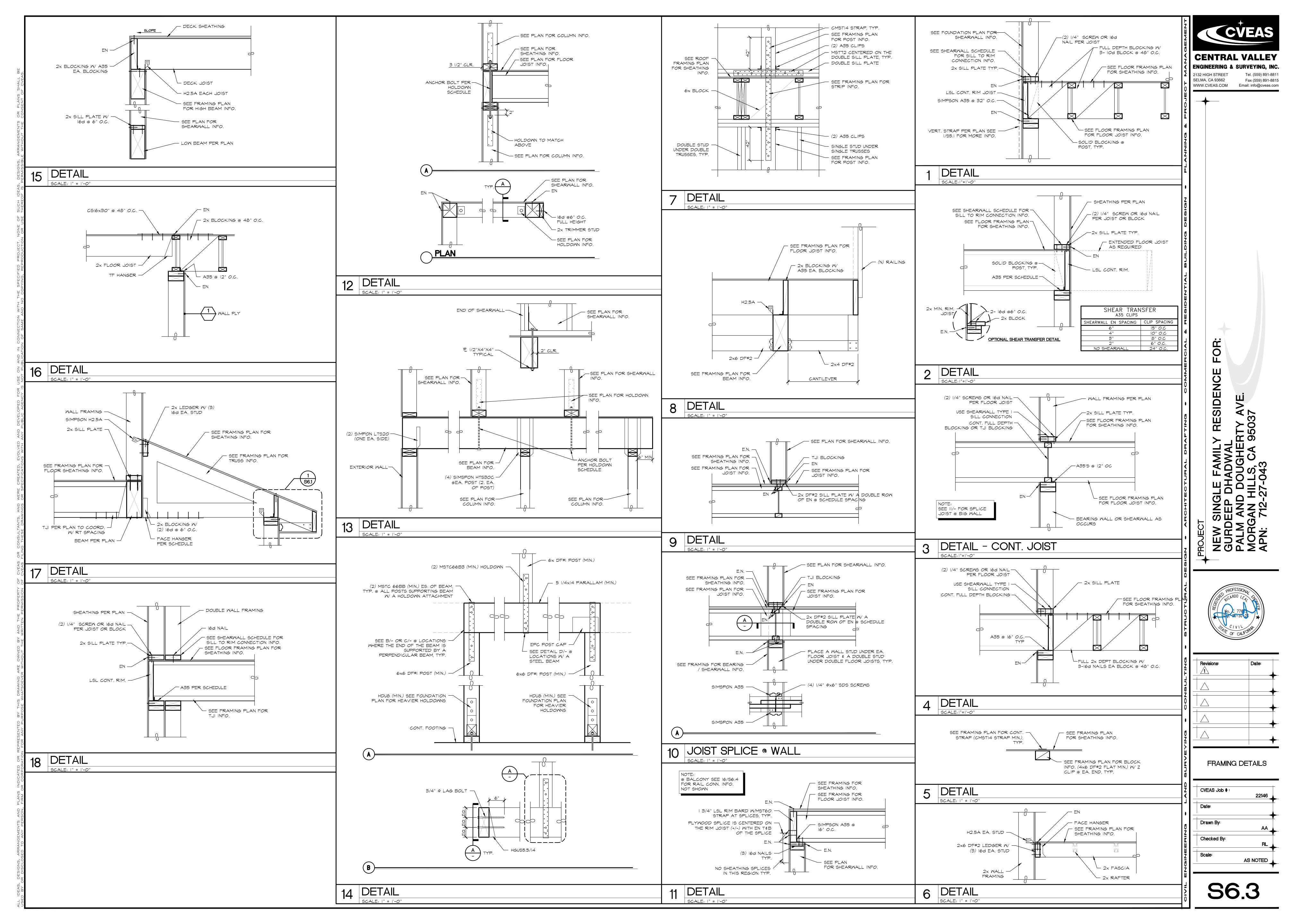
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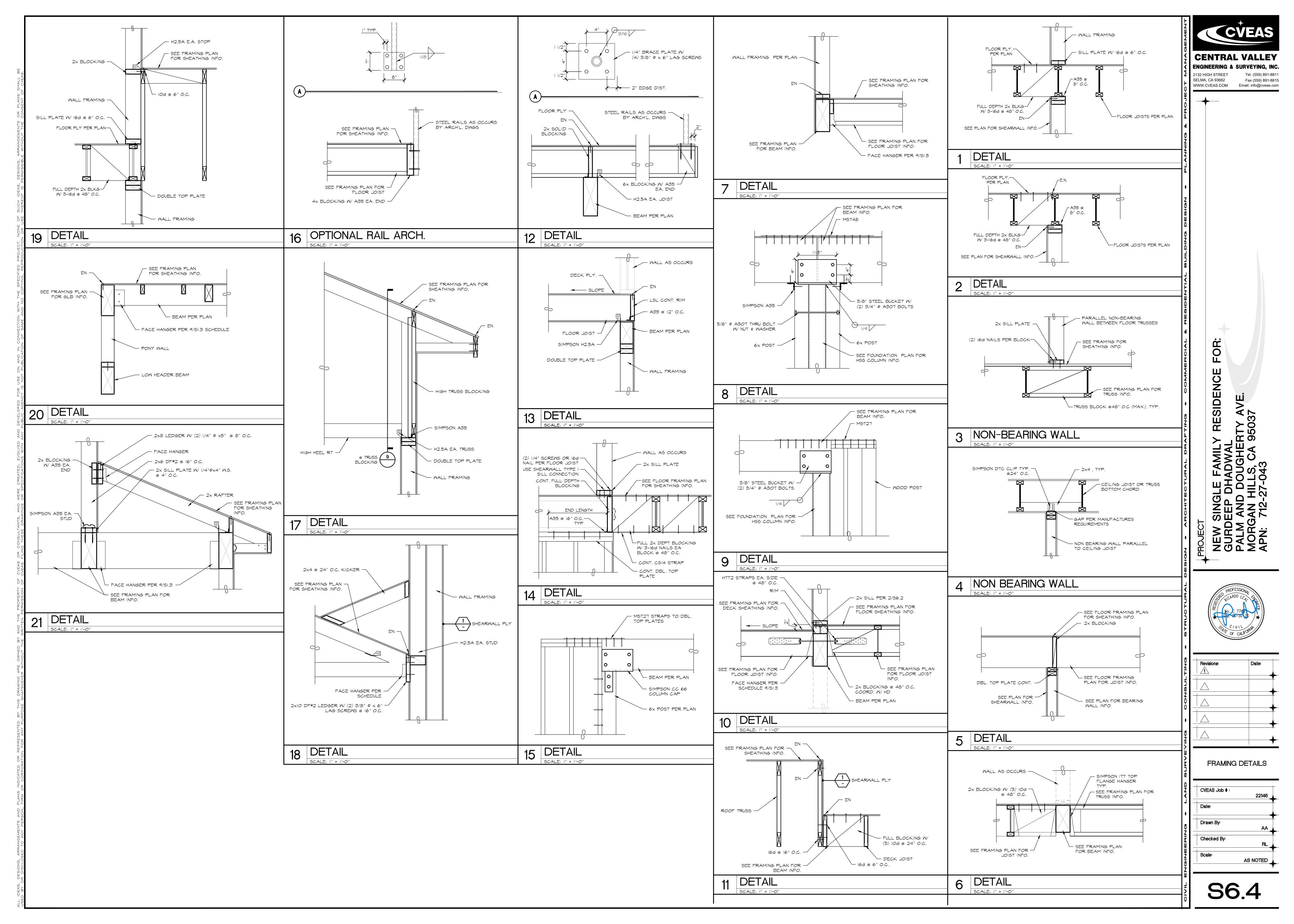
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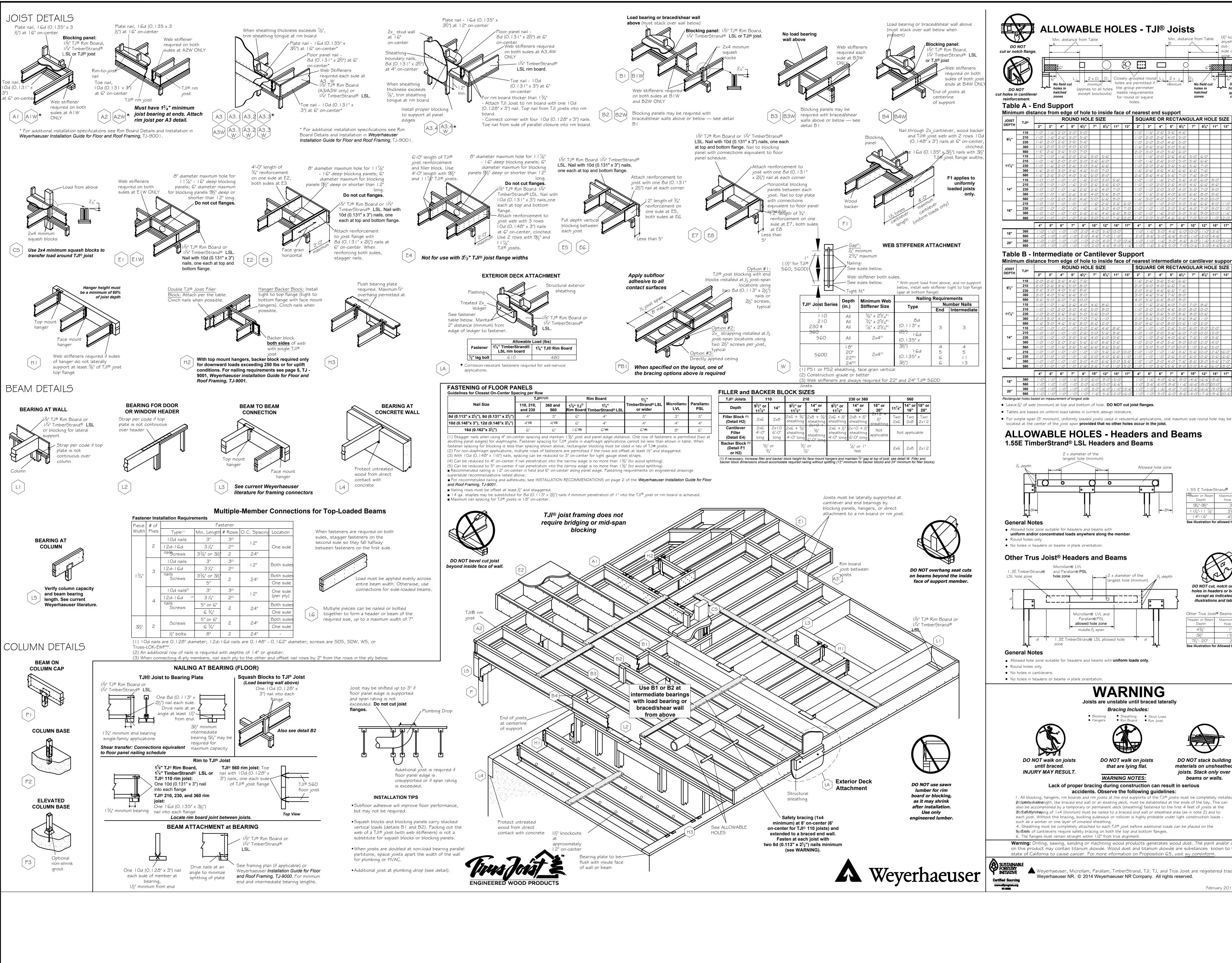
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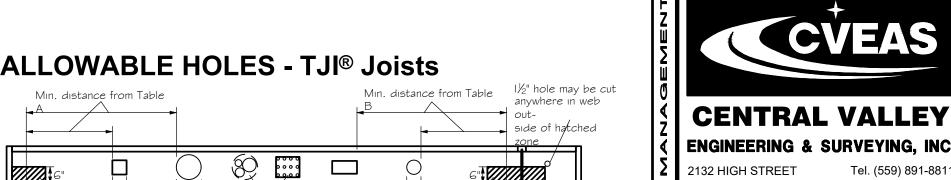












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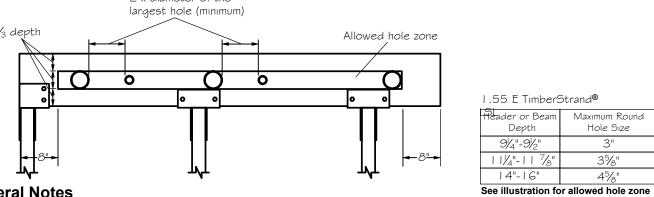
minimum holes are permitted if (applies to all holes the group perimeter

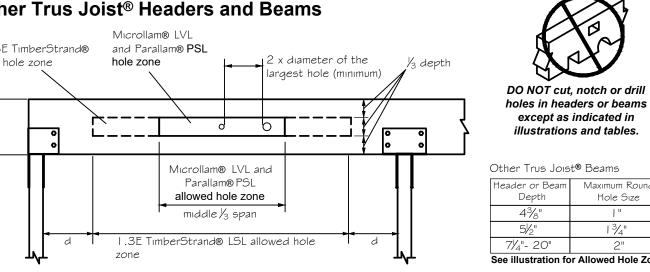
JOIST TJI®	TU®		ROUND HOLE SIZE										SQUARE OR RECTANGULAR HOLE SIZ								
DEPTH	IJI	2"	3"	4"	5"	6½"	7"	87/8"	11"	13"	2"	3"	4"	5"	6½"	7"	87/8"	11"	13'		
	110	1'-0"	1'-6"	2'-0"	3'-0"	5'-0"					1'-0"	1'-6"	2'-6"	3'-6"	4'-6"						
9½"	210	1'-0"	1'-6"	2'-6"	3'-0"	5'-6"					1'-0"	2'-0"	2'-6"	4'-0"	5'-0"						
3/2	230	1'-6"	2'-0"	2'-6"	3'-6"	5'-6"					1'-0"	2'-0"	3'-0"	4'-6"	5'-0"						
	360	1'-6"	2'-0"	3'-0"	4'-0"	6'-0"					1'-6"	2'-6"	3'-6"	5'-0"	5'-6"						
	560	1'-6"	2'-6"	3'-6"	5'-0"	7'-0"					2'-0"	3'-0"	4'-0"	5'-6"	6'-0"						
	110	1'-0"	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	5'-6"			1'-0"	1'-6"	2'-0"	2'-6"	4'-6"	5'-0"	6'-0"				
	210	1'-0"	1'-6"	2'-0"	2'-0"	3'-0"	3'-6"	6'-0"			1'-0"	1'-6"	2'-6"	3'-0"	5'-0"	5'-6"	6'-6"				
11%"	230	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	6'-6"			1'-0"	2'-0"	2'-6"	3'-6"	5'-6"	5'-6"	7'-0"				
	360	1'-6"	2'-0"	3'-0"	3'-6"	4'-6"	5'-0"	7'-0"			1'-6"	2'-6"	3'-6"	4'-6"	6'-6"	6'-6"	7'-6"				
	560	1'-6"	2'-6"	3'-0"	4'-0"	5'-6"	6'-0"	8'-0"			2'-6"	3'-6"	4'-6"	5'-6"	7'-0"	7'-6"	8'-0"				
	110	1'-0"	1'-0"	1'-0"	1'-0"	1'-6"	2'-0"	3'-0"	5'-6"		1'-0"	1'-0"	1'-6"	2'-0"	3'-6"	4'-0"	6'-0"	8'-0"			
	210	1'-0"	1'-0"	1'-0"	1'-6"	2'-0"	2'-6"	3'-6"	6'-0"		1'-0"	1'-0"	2'-0"	2'-6"	4'-0"	4'-6"	6'-6"	8'-6"			
14"	230	1'-0"	1'-0"	1'-0"	1'-6"	2'-6"	2'-6"	4'-0"	7'-0"		1'-0"	1'-0"	2'-0"	3'-0"	4'-0"	5'-0"	7'-0"	9'-0"			
	360	1'-0"	1'-0"	1'-6"	2'-6"	3'-6"	4'-0"	5'-6"	8'-0"		1'-0"	1'-6"	2'-6"	4'-0"	6'-0"	6'-6"	8'-0"	9'-6"			
Γ	560	1'-0"	1'-0"	2'-0"	3'-0"	4'-6"	5'-0"	6'-6"	9'-0"		1'-6"	3'-0"	4'-0"	5'-0"	7'-0"	7'-6"	9'-0"	I O'-O"			
	210	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-6"	2'-6"	3'-6"	6'-0"	1'-0"	1'-0"	1'-0"	2'-0"	3'-0"	3'-6"	6'-6"	8'-0"	11'-0		
16"	230	1'-0"	1'-0"	1'-0"	1'-0"	1'-6"	1'-6"	3'-0"	4'-0"	7'-0"	1'-0"	1'-0"	1'-0"	2'-0"	3'-6"	4'-0"	7'-0"	9'-0"	'-(
10	360	1'-0"	1'-0"	1'-O"	1'-0"	2'-6"	2'-6"	4'-6"	6'-6"	9'-0"	1'-0"	1'-0"	1'-6"	3'-0"	5'-0"	5'-6"	9'-0"	10'-0"	-(
	560	1'-0"	1'-0"	1'-0"	1'-0"	2'-6"	3'-0"	5'-0"	7'-6"	10'-0"	1'-0"	2'-0"	3'-0"	4'-6"	6'-6"	7'-0"	10'-0"	11'-0"	12'-0		
		4"	5"	6"	7"	8"	10"	12"	15"	17"	4"	5"	6"	7"	8"	10"	12"	15"	17		
18"	360	1'-0"	1'-0"	1'-0"	1'-0"	2'-0"	4'-0"	5'-6"	10'-0"		1'-0"	1'-6"	3'-0"	4'-6"	6'-0"	10'-0"	11'-0"	13'-6"			
10	560	1'-0"	1'-0"	1'-0"	1'-0"	2'-0"	4'-6"	7'-0"	11'-0"		2'-0"	3'-6"	5'-0"	6'-6"	8'-0"	11'-0"	12'-0"	14'-6"			
	360	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	2'-0"	4'-0"	7'-0"	10'-6"	1'-0"	1'-0"	1'-6"	3'-0"	4'-6"	8'-0"	11'-6"	14'-0"	15'-		

JOIST DEPTH	TJI®		ROUND HOLE SIZE									SQUARE OR RECTANGULAR HOLE SIZE									
		2"	3"	4"	5"	6½"	7"	87/8"	11"	13"	2"	3"	4"	5"	6½"	7"	87/8"	11"	13'		
	110	2'-0"	2'-6"	3'-6"	4'-6"	7'-6"					1'-6"	2'-6"	3'-6"	5'-6"	6'-6"						
9½"	210	2'-0"	2'-6"	3'-6"	5'-0"	8'-0"					2'-0"	3'-0"	4'-0"	6'-6"	7'-6"						
9/2	230	2'-6"	3'-0"	4'-0"	5'-6"	8'-6"					2'-0"	3'-6"	4'-6"	6'-6"	7'-6"						
	360	3'-0"	4'-0"	5'-6"	6'-6"	9'-0"					3'-0"	4'-6"	5'-6"	7'-6"	8'-0"						
	560	3'-6"	5'-0"	6'-0"	7'-6"	10'-0"					4'-0"	5'-6"	6'-6"	8'-0"	9'-0"						
	110	1'-0"	1'-0"	1'-6"	2'-6"	4'-0"	4'-6"	8'-6"			1'-0"	1'-6"	2'-6"	4'-0"	7'-0"	7'-0"	9'-6"				
	210	1'-0"	1'-0"	2'-0"	3'-0"	4'-6"	5'-0"	9'-0"			1'-0"	2'-0"	3'-0"	4'-6"	8'-0"	8'-0"	10'-0"				
117/8"	230	1'-0"	2'-0"	2'-6"	3'-6"	5'-0"	5'-6"	10'-0"			1'-0"	2'-6"	3'-6"	5'-0"	8'-6"	9'-0"	10'-6"				
	360	2'-0"	3'-0"	4'-0"	5'-6"	7'-0"	7'-6"	11'-0"			2'-0"	3'-6"	5'-0"	7'-0"	9'-6"	9'-6"	11'-0"				
	560	1'-6"	3'-0"	4'-6"	5'-6"	8'-0"	8'-6"	12'-0"			3'-0"	4'-6"	6'-0"	8'-0"	10'-6"	11'-0"	12'-0"				
	110	1'-0"	1'-0"	1'-0"	1'-0"	2'-0"	2'-6"	4'-6"	8'-6"		1'-0"	1'-0"	1'-0"	2'-6"	5'-0"	6'-0"	9'-0"	12'-0"			
	210	1'-0"	1'-0"	1'-0"	1'-0"	2'-6"	3'-0"	5'-6"	9'-6"		1'-0"	1'-0"	2'-0"	3'-6"	6'-0"	7'-0"	10'-0"	13'-0"			
14"	230	1'-0"	1'-0"	1'-0"	2'-0"	3'-6"	4'-0"	6'-0"	10'-6"		1'-0"	1'-0"	2'-6"	4'-0"	6'-6"	7'-6"	11'-0"	13'-6"	_		
	360	1'-0"	1'-0"	2'-0"	3'-6"	5'-6"	6'-0"	8'-6"	12'-6"		1'-0"	2'-0"	4'-0"	5'-6"	9'-0"	10'-0"	12'-0"	14'-0"			
	560	1'-0"	1'-0"	1'-6"	3'-6"	5'-6"	6'-6"	9'-6"	13'-6"		1'-0"	3'-0"	5'-0"	7'-0"	10'-0"	11'-0"	13'-6"	15'-0"			
	210	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	3'-6"	6'-0"	10'-0"	1'-0"	1'-0"	1'-0"	1'-6"	4'-6"	5'-6"	10'-0"	12'-6"	16'-		
16"	230	1'-0"	1'-0"	1'-0"	1'-0"	1'-6"	2'-0"	4'-0"	6'-6"	11'-0"	1'-0"	1'-0"	1'-0"	2'-6"	5'-0"	6'-0"	10'-6"	13'-6"	16'-		
_	360	1'-0"	1'-0"	1'-0"	1'-0"	3'-0"	4'-0"	6'-6"	10'-0"	13'-6"	1'-0"	1'-0"	2'-0"	4'-0"	7'-6"	8'-6"	13'-0"	14'-6"	17'-		
	560	1'-0"	1'-0"	1'-0"	1'-0"	2'-6"	3'-6"	7'-0"	11'-0"	15'-0"	1'-0"	1'-0"	3'-6"	5'-6"	9'-0"	10'-0"	14'-6"	16'-0"	18'-		
		4"	5"	6"	7"	8"	10"	12"	15"	17"	4"	5"	6"	7"	8"	10"	12"	15"	17		
18"	360	1'-0"	1'-0"	1'-0"	1'-6"	3'-0"	6'-0"	9'-0"	15'-0"		1'-0"	1'-6"	4'-0"	6'-6"	9'-0"	14'-6"	16'-6"	19'-6"			
.0	560	1'-0"	1'-0"	1'-0"	1'-0"	2'-0"	6'-0"		16'-6"		1'-0"	3'-6"	6'-0"	8'-6"	11'-6"		18'-0"		L		
	360	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	3'-0"	6'-0"	11'-0"	15'-6"	1'-0"	1'-0"	1'-6"	4'-0"	7'-0"	12'-6"	16'-6"	19'-0"	21		

• For simple span (5' minimum), uniformly loaded joists used in residential applications, one maximum size round hole may be

ALLOWABLE HOLES - Headers and Beams





WARNING



DO NOT walk on joists

materials on unsheathed joists. Stack only over

beams or walls. Lack of proper bracing during construction can result in serious accidents. Observe the following guidelines:

I. All blocking, hangers, rim boards and rim joists at the end supports of the TJI® joists must be completely installed and Propately an alterdangth, like braced end wall or an existing deck, must be established at the ends of the bay. This can also be accomplished by a temporary or permanent deck (sheathing) fastened to the first 4 feet of joists at the 3n & of ethyelbraying of 1x4 (minimum) must be nailed to a braced end wall or sheathed area (as in note 2) and to each joist. Without this bracing, buckling sideways or rollover is highly probable under light construction loads -

4. Sheathing must be completely attached to each TJI® joist before additional loads can be placed on the **5**ystrate of cantilevers require safety bracing on both the top and bottom flanges

Warning: Drilling, sawing, sanding or machining wood products generates wood dust. The paint and/or coating on this product may contain titanium dioxide. Wood dust and titanium dioxide are substances known to the state of California to cause cancer. For more information on Proposition 65, visit wy.com/inform.

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February 2014 Reorder TJ-40

AS NOTED

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TRUSS DETAILS

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