

GENERAL NOTES

SECTION 1: GENERAL

- CODE OF REFERENCE: ALL WORK SHALL CONFORM TO THE REQUIREMENTS AND STANDARDS OF THE LATEST EDITIONS OF THE CALIFORNIA BUILDING CODE, ASTM STANDARDS, ICC REPORTS, AND ALL OTHER APPLICABLE LOCAL CODES.
DESIGN CODES USED:
2022 CALIFORNIA BUILDING CODE, ASCE 7-16, ACI 318-19, AISC 360-16

- CONTRACTOR COORDINATION/VERIFICATION: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND JOBSITE CONDITIONS. ANY DISCREPANCIES WITH THE SITE OR ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.

ALL WALL DIMENSIONS, WALKS, RAMPS, CURBS, PATIOS, FRAMING ELEVATIONS, PLATE ELEVATIONS, ROOF SLOPES, SOFFIT CONDITIONS, ETC. . SHALL BE COORDINATED AND VERIFIED WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND LANDSCAPE DRAWINGS.

IF A PARTICULAR FEATURE OF CONSTRUCTION IS NOT FULLY SHOWN ON THE DRAWINGS OR IN THE SPECIFICATIONS, THEN IT SHALL BE CONSTRUCTED IN THE SAME CHARACTER AS TYPICAL "TYP" OR SIMILAR "SIM" CONDITIONS THAT ARE SHOWN IN THE DESIGN DOCUMENTS. WHERE THE DRAWINGS OR SPECIFICATIONS APPEAR TO BE INCOMPLETE, THE CONTRACTOR SHALL NOTIFY THE RESPONSIBLE ENGINEER OR ARCHITECT FOR WRITTEN DIRECTION.

CONDITIONS NOTED IN THE DRAWINGS OR OTHERWISE ASSUMED TO BE "EXISTING" SHALL BE FIELD VERIFIED BY THE CONTRACTOR. IF THERE ARE CONFLICTS OR DISCREPANCIES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND NOT PROCEED WITH CONSTRUCTION UNTIL FURTHER DIRECTION IS PROVIDED.

- DRAWINGS AND LIMITS: ONLY THOSE STRUCTURAL ELEMENTS REQUIRED TO SUPPORT THE PRIMARY STRUCTURAL SYSTEM ARE NECESSARILY SHOWN. SEE ARCHITECTURAL PLANS FOR ADDITIONAL REQUIREMENTS, NON-STRUCTURAL ELEMENTS (INCLUDING TRELLISES, RESTRAINT SYSTEMS, WALLS, FOUNDATIONS, ETC. .) AND THEIR ANCHORAGES AND ATTACHMENTS, AND COORDINATE WITH EOR PRIOR TO CONSTRUCTION

NON-STRUCTURAL REQUIREMENTS OF THE BUILDING CODE (WATERPROOFING, FIREPROOFING, DRAINAGE, HANDICAP ACCESSIBILITY, EGRESS REQUIREMENTS, PARKING, ETC. .) NOT SPECIFICALLY SHOWN IN THESE DRAWINGS ARE THE RESPONSIBILITY OF THE CONTRACTOR OR OWNER.

NOT ALL STRUCTURAL MEMBERS ARE SHOWN ON STRUCTURAL PLANS, SEE DETAILS FOR ADDITIONAL REINFORCING, ANCHORS, BLOCKING, STRAPS, AND OTHER MEMBERS SPECIFIED OR IMPLIED.

MEMBER SIZES SHALL NOT BE SCALED FROM PLANS OR DETAILS. SPECIFIED DIMENSIONS HAVE PREFERENCE OVER SCALE.

MODIFICATIONS MADE FROM THE DESIGN AS SPECIFIED IN THESE DOCUMENTS WITHOUT THE WRITTEN APPROVAL FROM THE EOR SHALL BE DEEMED A FULL TRANSFER OF LIABILITY FROM THE EOR TO THE CONTRACTOR FOR THE PERFORMANCE AND CODE CONFORMANCE OF ANY ELEMENT IMPACTED DIRECTLY OR INDIRECTLY BY THE MODIFICATION.

ARCHITECTURAL BACKGROUNDS WHICH MAY BE SHOWN ARE FOR REFERENCE ONLY AND MAY NOT REFLECT THE CURRENT AND ACCURATE REQUIREMENTS OF THE ARCHITECTURAL DRAWINGS. ANY ITEM INCLUDED IN THESE DRAWINGS AS PART OF THE ARCHITECTURAL BACKGROUND SHALL BE VERIFIED AND COORDINATED WITH THE MOST CURRENT, STAMPED AND SIGNED ARCHITECTURAL DRAWINGS.

- CONSTRUCTION METHODS: THE DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE, AND, UNLESS SPECIFICALLY NOTED OTHERWISE, DO NOT SHOW THE METHOD OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR THE METHOD OF CONSTRUCTION, AND SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE PUBLIC, CONSTRUCTION WORKERS, ADJACENT STREETS, UTILITIES, PROPERTY, AND THE STRUCTURE DURING EXCAVATION AND CONSTRUCTION. SUCH MEASURES INCLUDE FORMING, LAGGING, SHORING, BRACING, SCAFFOLDING, ETC.
- OPENINGS AND PENETRATIONS IN STRUCTURAL ELEMENTS: OPENINGS, PENETRATIONS, SLEEVES, POCKETS, ETC. SHALL NOT BE PLACED IN OR CORED THROUGH BEAMS, PLATES, SLABS, COLUMNS, WALLS, FOOTINGS, ETC., UNLESS SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY SUCH CONFLICTS OR OCCURANCES AND WAIT FOR DIRECTION PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO AVOID DAMAGING STRUCTURAL ELEMENTS.
- DESIGN CRITERIA: THESE DRAWINGS ARE BASED ON THE CALCULATIONS BY TITAN STEEL STRUCTURES, DATED 02/12/2024 AND SHALL ONLY APPLY TO THE STRUCTURE DEPICTED THEREIN. ALL COMPONENTS SHALL BE CONSTRUCTED IN STRICT CONFORMANCE TO THOSE CALCULATIONS, DRAWINGS, AND SPECIFICATIONS. ANY CHANGES TO THE COLUMN LOCATIONS OR STRUCTURAL LOADING AS REPRESENTED THEREIN SHALL RENDER THESE DRAWINGS NULL AND VOID.
- EXCAVATION: THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING AND PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS, AND UTILITIES.
- THE ENGINEER HAS PROVIDED AND IS RESPONSIBLE FOR SPECIFIC FOUNDATION STRUCTURAL ITEMS ONLY. ALL OTHER REQUIREMENTS OF THE BUILDING CODE INCLUDING WATERPROOFING, FIREPROOFING, DRAINAGE, HANDICAP ACCESSIBILITY, EGRESS REQUIREMENTS, PARKING, AND ALL OTHER DESIGN REQUIREMENTS NOT SPECIFICALLY SHOWN IN THE STAMPED STRUCTURAL DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR OR OWNER. SHOULD ANY CHANGES BE MADE FROM THE DESIGN AS SPECIFIED IN THESE DOCUMENTS WITHOUT THE WRITTEN APPROVAL FROM THE ENGINEER, THEN THE ENGINEER WILL ASSUME NO RESPONSIBILITY FOR ANY ELEMENT OR SYSTEM OF THE STRUCTURE.
- WATERPROOFING: ALL WATERPROOFING, FLASHING, GRADING, AND DRAINAGE (ROOFS, FOUNDATIONS, GARAGE FLOORS, DECKS AND BALCONIES, ETC. . .) IS BY OTHERS. ALL BELOW GRADE STRUCTURES SHALL BE PROTECTED BY A WATERPROOFED AND FREE DRAINING SYSTEM OF FABRIC WALL DRAINS, PERFORATED DRAIN PIPES, AND CLOSED COLLECTION PIPES DESIGNED BY OTHERS WHICH ENSURE AGAINST HYDROSTATIC LOADING OF STRUCTURAL ELEMENTS.

SECTION 2: FOUNDATIONS

- FOUNDATIONS BASED ON RECOMMENDATIONS IN THE FOLLOWING REPORT:
COMPANY: SILICON VALLEY SOIL ENGINEERING.
REPORT NUMBER: SV2761
DATE: APRIL 2, 2024

THE OWNER/CONTRACTOR SHALL OBTAIN A COPY OF THE GEOTECHNICAL REPORT AND VERIFY COMPLIANCE AND COORDINATION WITH ALL CONDITIONS AND REQUIREMENTS SPECIFIED THEREIN. ANY DISCREPANCIES WITH THE STRUCTURAL DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.

BEARING PRESSURE: (MINIMUM EMBEDMENT OF 1'-6" BELOW PAD GRADE)
DEAD LOAD:.....2000 PSF
DEAD + LIVE LOAD:.....3000 PSF

- GRADING AND SITEWORK: ALL SOILS WORK SHALL BE DONE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
- GEOTECHNICAL ENGINEER'S REVIEW: THE GEOTECHNICAL ENGINEER SHALL REVIEW THE FOLLOWING WORK, AND SUBMIT TO THE ARCHITECT AND BUILDING DEPARTMENT A LETTER OF COMPLIANCE:
ALL GRADING AND EARTHWORK
ALL BACKFILL AND COMPACTION OPERATIONS
- USE 4" DIAMETER PERFORATED PIPE SUB-DRAIN BEHIND ALL RETAINING WALLS. UNO. SLOPE PIPE TO DRAIN TO DAYLIGHT.

SECTION 3. CONCRETE AND REINFORCING

- CONCRETE SHALL HAVE A MINIMUM 28 DAY STRENGTH OF 3,000 PSI U.N.O WITH A MAX W/CM RATIO OF 0.5.
- ALL CEMENT USE SHALL CONFORM TO ASTM C-150 AND SHALL BE TYPE II AND TYPE III LOW ALKALI.
- AGGREGATE SHALL CONFORM TO ASTM C-33 AND SHALL NOT CONTAIN MATERIALS WHICH ARE ALKALI REACTIVE AS DETERMINED BY ASTM C-227, 289, AND 295. IF TEST DATA IS UNAVAILABLE IN REGARDS TO ALKALI REACTIVE MATERIALS, PROVIDE CEMENT WITH A MAXIMUM ALKALI CONTENT LESS THAN 0.45% BY WEIGHT.
- CONCRETE EXPOSED TO FREEZING OR THAWING SHALL BE PROTECTED IN ACCORDANCE TO THE LATEST EDITION OF THE ACI CODE AND CBC SECTION 1904 AND SHALL CONTAIN 5% OF ENTRAINED AIR..
- CONFORMANCE: ALL CONCRETE MATERIALS AND ADMIXTURES SHALL COMPLY WITH THE SPECIFICATIONS LISTED IN ACI 318 SECTION 26.4
- REINFORCEMENT: SHALL BE GRADE 60 PER ASTM A615 AND LAPPED 60 BAR DIAMETERS MIN, UNO. WELDED WIRE FABRIC SHALL BE PER ASTM A82 AND A185, LAPPED A MINIMUM OF (2) WIRE RUNS. ALL REINFORCING SHALL BE CLEAN, FREE FROM SCALING RUST, AND PROPERLY PROTECTED ON SITE PRIOR TO CONCRETE PLACEMENT.
#5 AND LARGER REBAR SHALL NOT BE RE-BENT.
ALL REINFORCING STEEL AND ANCHOR BOLTS SHALL BE ACCURATELY LOCATED AND ADEQUATELY SECURED IN POSITION BEFORE AND DURING CONCRETE PLACEMENT.
- REINFORCEMENT COVER SHALL BE AS FOLLOWS:
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO SOIL: 3"
CONCRETE WITH SOIL OR WEATHER EXPOSURE:
#5 BARS AND SMALLER 1 1/2"
#6 BARS AND LARGER 2"
CONCRETE WITHOUT SOIL OR WEATHER EXPOSURE: 3/4"
- UNLESS NOTED OTHERWISE ON PLAN SLABS ON GRADE SHALL BE 4" THICK WITH #4 BAR AT 18" O.C. LOCATED ABOVE MID DEPTH OF SLAB, OVER 2" SAND, OVER WATERPROOF MEMBRANE (AT HABITABLE AREAS), OVER 4" AGGREGATE BASE, OVER SUBGRADE PREPARED IN ACCORDANCE WITH GEOTECHNICAL REPORT OR 90% MIN COMPACTION WHERE NO REPORT IS PROVIDED.
- UNLESS NOTED OTHERWISE ON PLAN FOUNDATIONS SHALL BE 12" WIDE WITH A MINIMUM DEPTH OF 18" BELOW LOWEST ADJACENT GRADE (12" MIN INTO NATIVE SOILS) WITH (2) #4 BARS CONTINUOUS TOP AND BOTTOM.

SECTION 7: MISCELLANEOUS

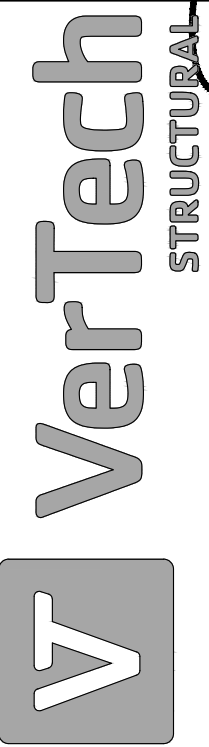
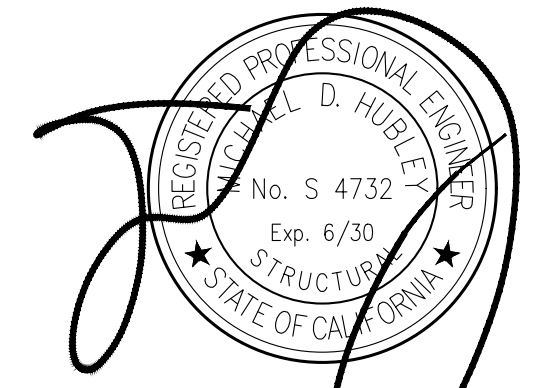
- NON-SHRINK GROUT: NON-SHRINK GROUT SHALL BE A NON-METALLIC, PREMIXED, CEMENTITIOUS MIXTURE WITH NO SHRINKAGE AFTER PLACEMENT AND NO EXPANSION AFTER SET, PER ASTM C-1107. COMPRESSIVE STRENGTH, PER ASTM C-109, SHALL BE AT LEAST 3500 PSI AT ONE DAY AND 8000 PSI AT 28 DAYS.
- EXPANSION ANCHORS: EXPANSION ANCHORS IN CONCRETE OR MASONRY SHALL BE SIMPSON WEDGE-ALL ANCHORS INSTALLED PER ICC ER-1396, HILTI KWIK BOLT TZ ANCHORS INSTALLED PER ICC ER-1917, OR ENGINEER APPROVED EQUAL.
- EPOXY/ADHESIVE ANCHORS: EPOXY ADHESIVE ANCHORS IN CONCRETE OR CMU SHALL BE SIMPSON SET-XP PER ICC ER-2508 OR SIMPSON SET PER ICC ER-1772 RESPECTIVELY, OR ENGINEER APPROVED EQUAL.
- STEEL STAIRS: STEEL STAIRS SHALL BE DESIGNED BY THE STAIR FABRICATOR PER THE REQUIREMENTS OF THE ARCHITECTURAL DRAWINGS AND THE CBC FOR A 100 PSF LIVE LOAD. CALCULATIONS AND SHOP DRAWINGS, STAMPED AND SIGNED BY AN ENGINEER LICENSED IN THE STATE OF CALIFORNIA, SHALL BE REVIEWED BY THE ENGINEER PRIOR TO STAIR FABRICATION.
- GENERAL CONTRACTOR SHALL KEEP A DIGITAL CAMERA ON-SITE AND PROVIDE PHOTOGRAPHS REQUESTED BY THE ENGINEER OF RECORD WITHIN TWO WORKING DAYS VIA ELECTRONIC MAIL.

ABBREVIATIONS

AB	ANCHOR BOLT	JST	JOIST
ADDL	ADDITIONAL	JT	JOINT
ADJ	ADJACENT	K	KIPS
ALT	ALTERNATE	L	ANGLE
ARCH	ARCHITECTURAL	LLH	LONG LEG HORIZ.
BLDG	BUILDING	LLV	LONG LEG VERT.
BM	BEAM	LONG	LONGITUDINAL
BOT (B)	BOTTOM	LSL	LONG SLOTTED HOLE
BTf	BEAT TO FIT	LVL	LAMINATED VENEER LUMBER
BtWN	BETWEEN	MAX	MAXIMUM
CBC	CALIFORNIA BUILDING CODE	MB	MACHINE BOLTS
CIP	CAST-IN-PLACE	MECH	MECHANICAL
CJ	CONSTRUCTION JOINT	MFR	MANUFACTURER
CLR	CLEAR	MIN	MINIMUM
CMU	CONCRETE MASONRY UNITS	MISC	MISCELLANEOUS
COL	COLUMN	MTL	METAL
CONC	CONCRETE	(N)	NEW
CONN	CONNECTION	NOM	NOMINAL
CONT	CONTINUOUS	NS	NEAR SIDE
CONTR	CONTRACTOR	NSA	NELSON STUD ANCHOR
CP	COMPLETE PENETRATION	NTS	NOT TO SCALE
CTR	CENTER	OC	ON CENTER
DBA	DEFORMED BAR ANCHOR	OH	OPPOSITE HAND
DBL	DOUBLE	PDF	POWDER DRIVEN FASTENER
DF-L	DOUGLAS FIR - LARCH	PERP	PERPENDICULAR
DIA	DIAMETER	PL	PLATE
DJ	DOUBLE JOIST	PLY	PLYWOOD
DO	DITTO	PLCS	PLACES
DWL	DOWEL	PP	PARTIAL PENETRATION
EA	EACH	PT	PRESSURE TREATED
EF	EACH FACE	P/C	PRECAST CONCRETE
EL	ELEVATION (DATUM)	P/T	POST-TENSIONED
ELEV	ELEVATION OR ELEVATOR	REINF	REINFORCEMENT
EN	EDGE NAILING	REQD	REQUIRED
EQ	EQUAL	SC	SLIP CRITICAL
ES	EACH SIDE	SIM	SIMILAR
EXIST (E)	EXISTING	SOG	SLAB-ON-GRADE
EXP	EXPANSION	SSL	SHORT SLOTTED HOLES
EXT	EXTERIOR	STD	STANDARD
EW	EACH WAY	STIFF	STIFFENER
FF	FINISH FLOOR	SQ	SQUARE
FIN	FINISH	SWS	SHEAR WALL SCHEDULE
FJ	FLOOR JOIST	SYM	SYMMETRICAL
FLR	FLOOR	T & B	TOP & BOTTOM
FNDN	FOUNDATION	TOP(P)	TOP OF (PLYWOOD)
FoHC	FREE OF HEART CENTER	TOC	TOP-OF-CONCRETE
FOS	FACE OF STUD	TOF	TOP-OF-FOOTING
FRT	FIRE-RETARDANT-TREATED	TOS	TOP-OF-STEEL
FS	FAR SIDE	TOW	TOP-OF-WALL
FTG	FOOTING	TN	TOE NAIL
FTF	FLOOR TO FLOOR	TYP	TYPICAL
GA	GAGE	UNO	UNLESS NOTED OTHERWISE
GALV	GALVANIZED	VERT (V)	VERTICAL
HDR	HEADER	WP	WORKPOINT
HGR	HANGER (SIMPSON)	WWF	WELDED WIRE FABRIC
HORIZ (HOR)	HORIZONTAL	W/	WITH
INT	INTERIOR	W/O	WITHOUT

SHEET INDEX

- S1.0 STRUCTURAL NOTES AND ABBREVIATIONS
S2.1 FOUNDATION PLAN
S3.1 STRUCTURAL DETAILS



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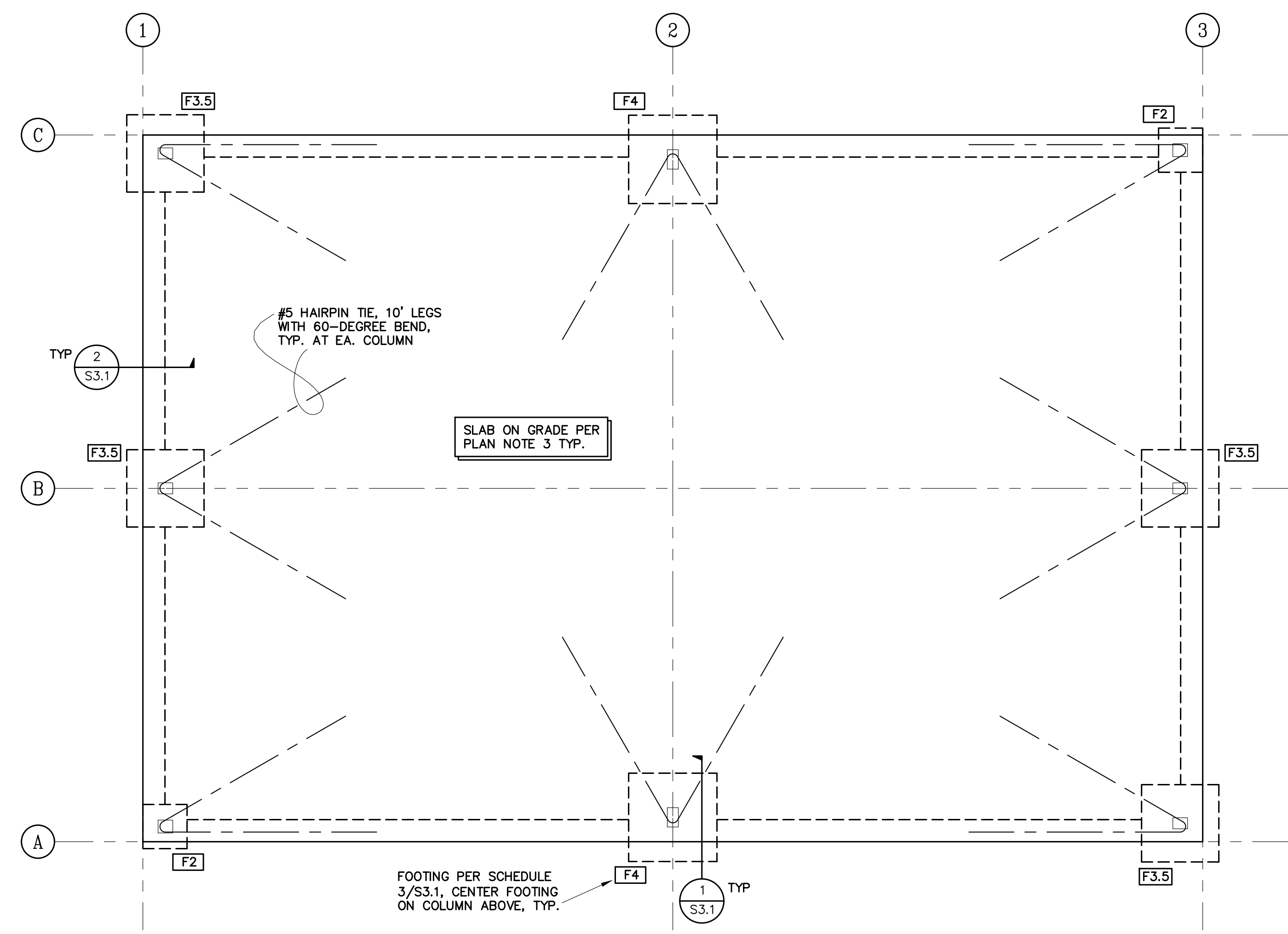
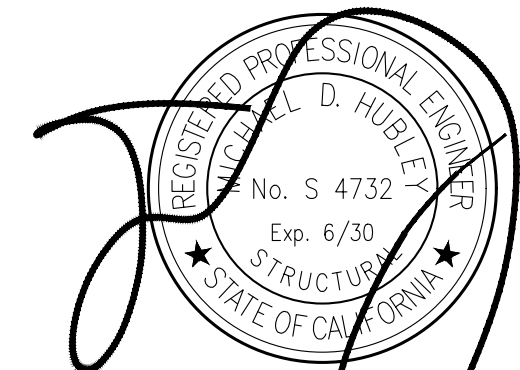
STRUCTURAL NOTES
AND ABBREVIATIONS

REVISIONS

DATE 04/16/2024
SCALE NO SCALE
DRAWN DDR
JOB 24-008

SHEET

S1.0

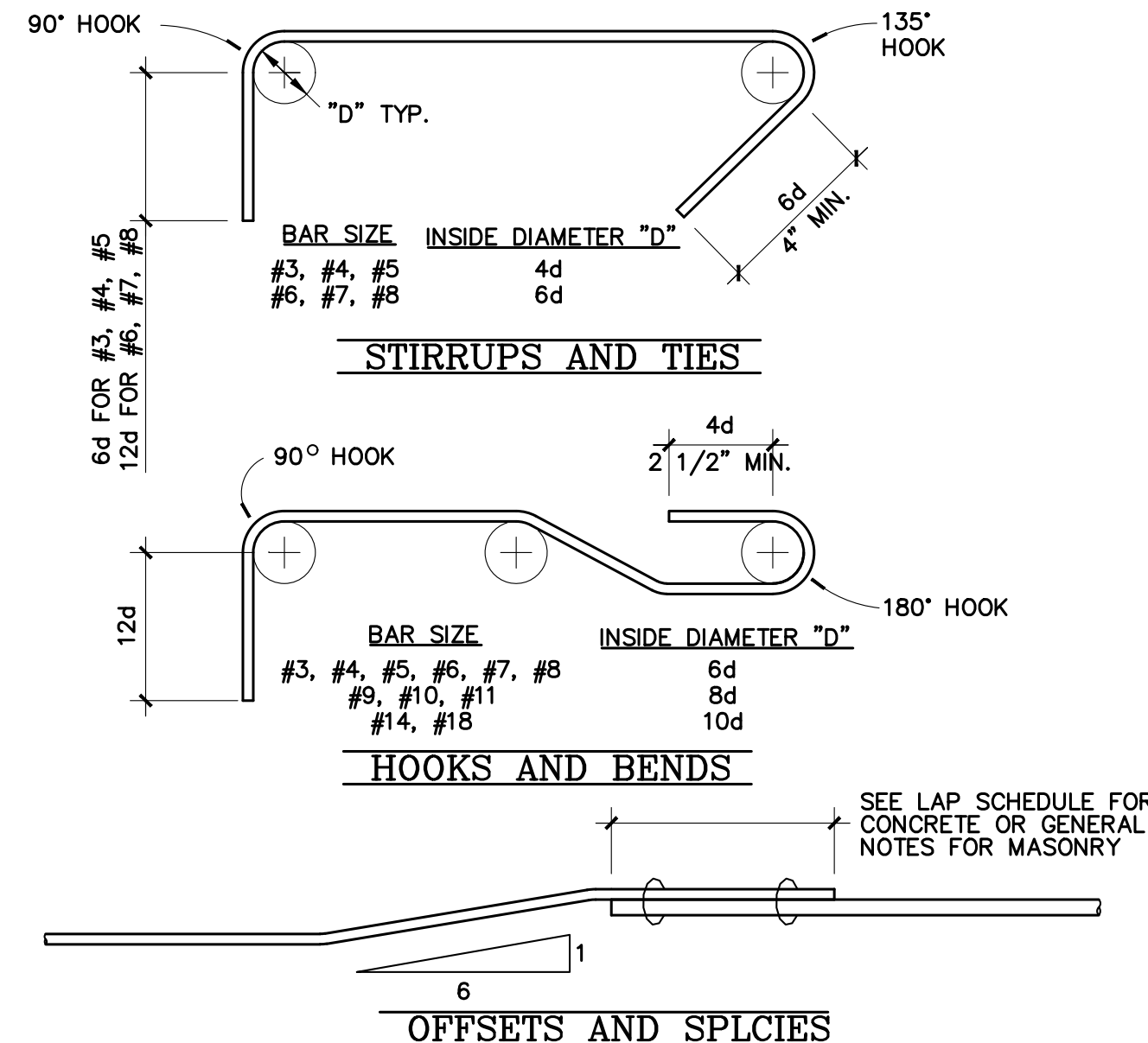


PLAN NOTES

- SEE STRUCTURAL NOTES SHEET S1.0 AND TYPICAL DETAILS ON SHEET S3.1
- VERIFY ALL CONDITIONS, LOCATIONS, DIMENSIONS, AND ELEVATIONS FOR ALL ITEMS INCLUDING CURBS, STEPS, WALLS, COLUMNS, BEAMS, ETC. . . WITH ARCHITECTURAL (OR OTHER) DRAWINGS. NOTIFY THE ENGINEER WITH ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- SLABS ON GRADE: SLABS ON GRADE ARE RELIED UPON FOR THEIR WEIGHT AND LATERAL RESISTANCE FOR COLUMN BASE REACTIONS ONLY AND ARE NOT DESIGNED FOR ANY SPECIFIC SURFACE LOADING. AS A MINIMUM, PROVIDE 5" THICK SLAB ON GRADE WITH #4 AT 18" O.C. EA. WAY AT MID-DEPTH, OVER 5" OF FREE DRAINING 3/4" AGGREGATE BASE. PROVIDE 15-MIL VAPOR RETARDER BELOW SLAB WHERE FLOORING OR MOISTURE SENSITIVE EQUIPMENT WILL OVERLAY SLABS. PREPARE SUBGRADE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
CONTACT AN ENGINEER LICENSED IN THE STATE OF CALIFORNIA FOR DESIGN REQUIREMENTS FOR STRUCTURAL SLABS ON GRADE WHERE THE LOADING WILL EXCEED 200 PSF.
SAW-CUT TOP 3/4" OF SLAB FOR CRACK CONTROL AT INTERVALS NOT TO EXCEED 15'-0" O.C. E.W.
- NOTES ON METAL BUILDING BY OTHERS:
THESE DRAWINGS ARE BASED ON THE DRAWINGS BY TITAN STEEL STRUCTURES, DATED 02/12/2024, AND SHALL ONLY APPLY THE STRUCTURE AS DEPICTED IN THOSE DOCUMENTS.
ALL COMPONENTS ABOVE SLAB INCLUDING ANCHOR BOLTS AND FASTENERS TO THE SLAB SHALL BE PROVIDED AND CONSTRUCTED IN STRICT CONFORMANCE TO THOSE CALCULATIONS, DRAWINGS, AND SPECIFICATIONS. MINIMUM DIMENSIONS, DETAILING, OR OTHER REQUIREMENTS SHOWN ON THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF VERTECH ENGINEERING FOR WRITTEN INSTRUCTION PRIOR TO PROCEEDING WITH CONSTRUCTION.
ANY CHANGES TO THE COLUMN LOCATIONS OR STRUCTURAL LOADING AS REPRESENTED THEREIN SHALL RENDER THESE DRAWINGS NULL AND VOID.
VERIFY ALL DIMENSIONS, ELEVATIONS, COLUMN LOCATIONS, AND EDGE OF SLAB LOCATIONS WITH METAL BUILDING DRAWINGS BY OTHERS. VERIFY DRAWINGS ARE STAMPED AND SIGNED BY AN ENGINEER LICENSED IN CALIFORNIA.
SEE ANCHOR BOLT SETTING PLAN PROVIDED BY OTHERS FOR ANCHOR BOLT SIZE, GRADE, LOCATION, AND SPACING, AND VERIFY ALL NONSTRUCTURAL BOLTS AS REQUIRED FOR OPENINGS AND DOORS WITH OWNER PRIOR TO PLACING CONCRETE.

REVISIONS

DATE 04/16/2024
SCALE 1/4" = 1'-0"
DRAWN DDR
JOB 24-008



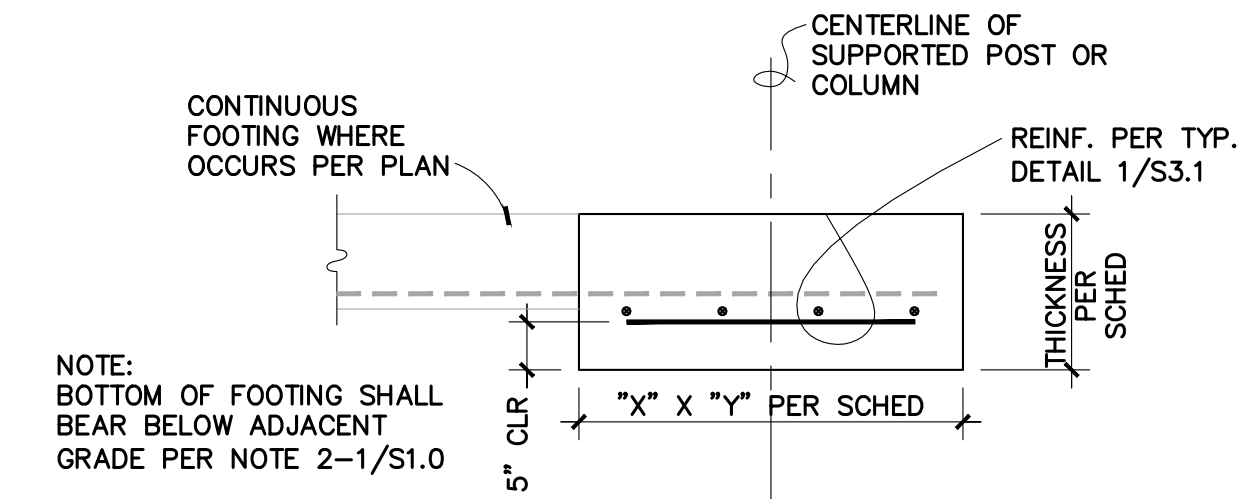
REBAR BENDING DETAIL 11
NO SCALE

BAR SIZE	CONCRETE STRENGTH F'c = PSI			
	3000	4000	5000	6000
#3	28	24	22	20
#4	21	18	17	16
#5	37	32	29	26
#6	28	25	22	20
#5	46	40	36	33
#6	36	31	28	25
#6	56	48	43	39
#7	43	37	33	30
#7	81	70	63	57
#8	62	54	48	44
#8	93	80	72	65
#9	71	62	55	50
#9	104	90	81	74
#10	80	69	62	57
#10	116	100	90	82
#11	89	77	69	63
#11	127	110	99	90
#11	98	85	76	69

TOP BARS OTHER BARS

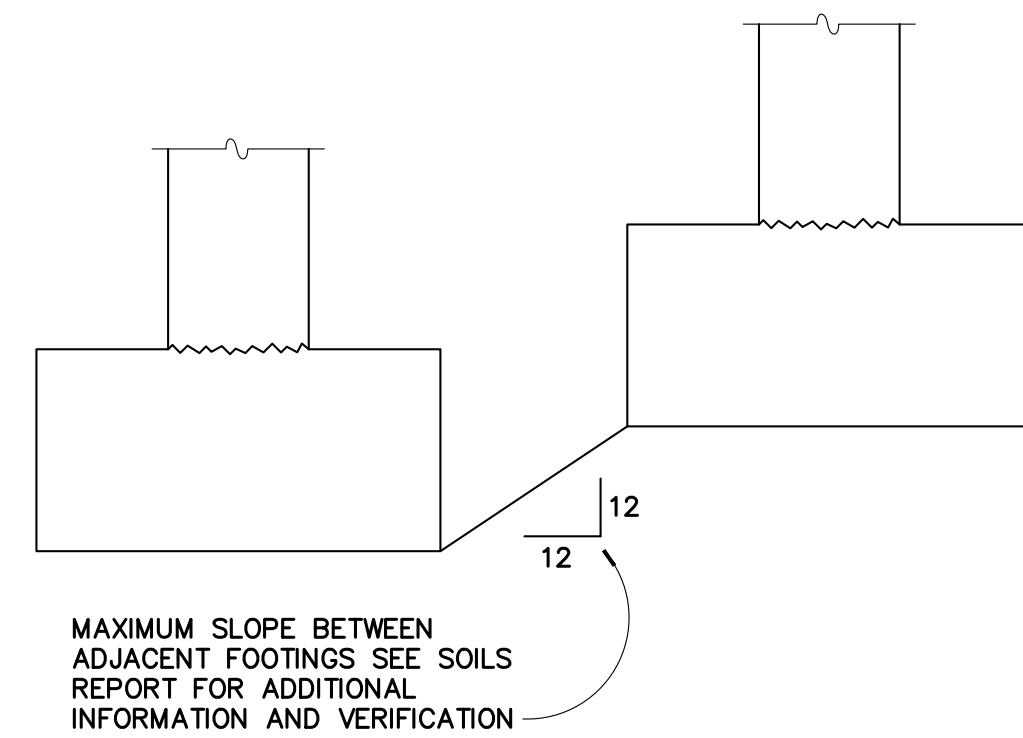
- NOTES:**
- INCREASE LAP LENGTHS 30% FOR LIGHT WEIGHT CONCRETE (115 PCF MAX) AND 33% AT 4 BAR BUNDLES.
 - TOP BARS ARE HORIZ. BARS WITH MORE THAN 12" OF WET CONCRETE PLACED BELOW.
 - MINIMUM CLEAR COVER > 4B AND MINIMUM CLEAR SPACING > 2dB. INCREASE LAP LENGTHS 50% IF MINIMUMS NOT SATISFIED. (1dB = BAR DIAMETER)
 - CLASS B SPLICE SHALL BE USED UNO.
 - CLASS A SPLICE = 77% OF CLASS B SPLICE AND MAY BE USED WHERE SPECIFICALLY NOTED IN PLANS AND DETAILS
 - LAP LENGTHS INDICATED ARE IN INCHES.

REBAR LAP SCHEDULE (CLASS B) 7
NO SCALE

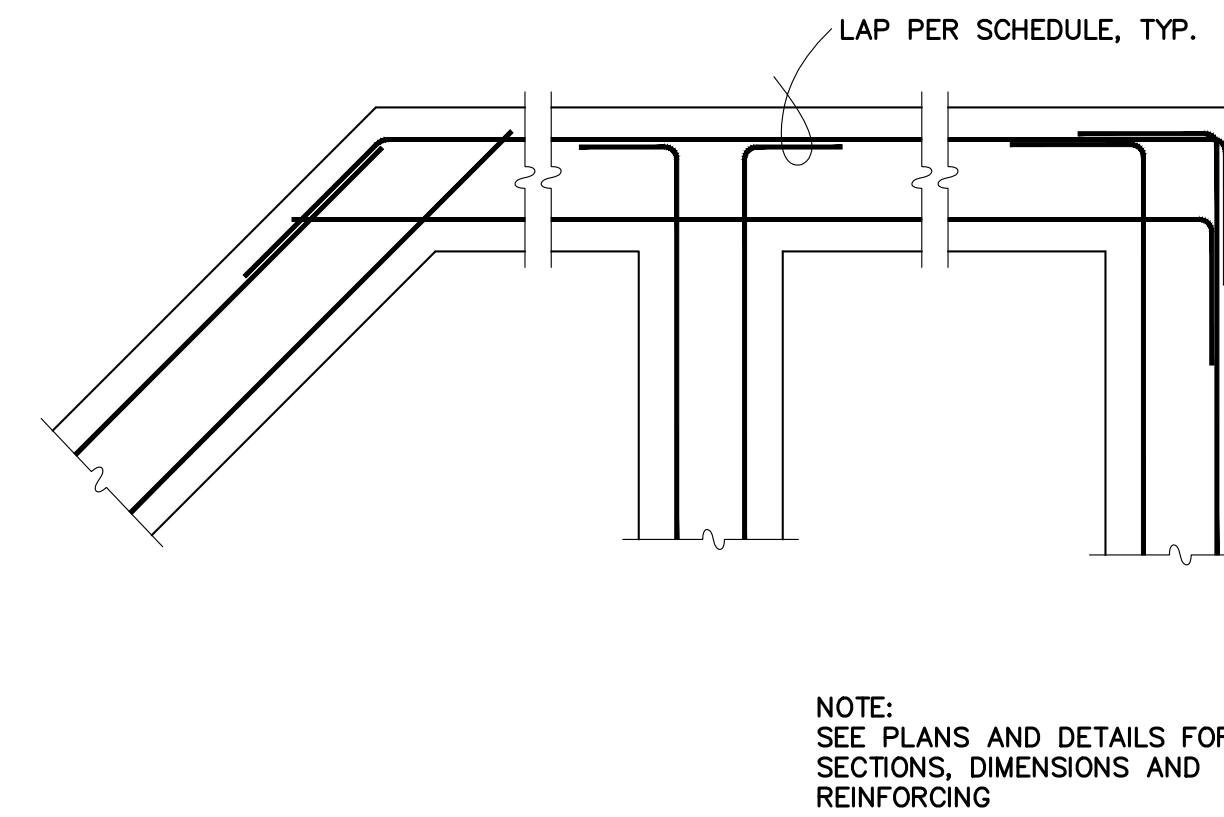


TYPE	"X" DIM	"Y" DIM	THICKNESS
F2	2'-0"	2'-0"	1'-6"
F2.5	2'-6"	2'-6"	1'-6"
F3	3'-0"	3'-0"	1'-6"
F3.5	3'-6"	3'-6"	1'-6"
F4	4'-0"	4'-0"	2'-0"

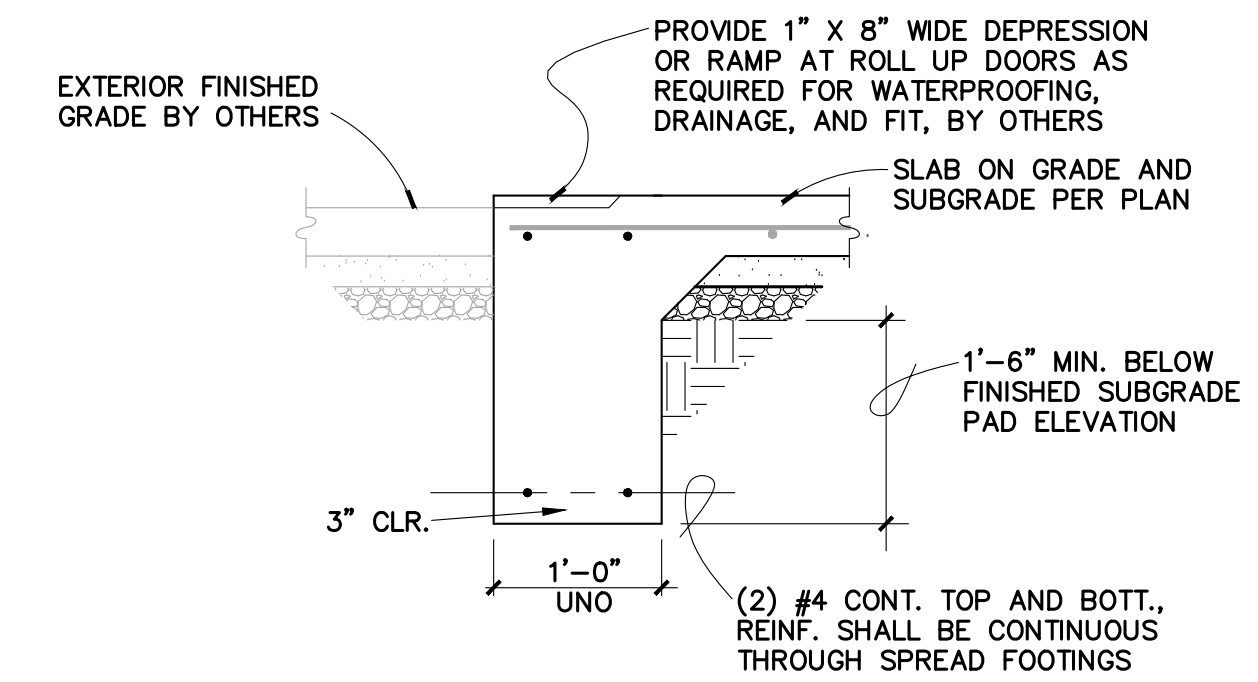
TYP. SPREAD FOOTING SCHEDULE 3
NO SCALE



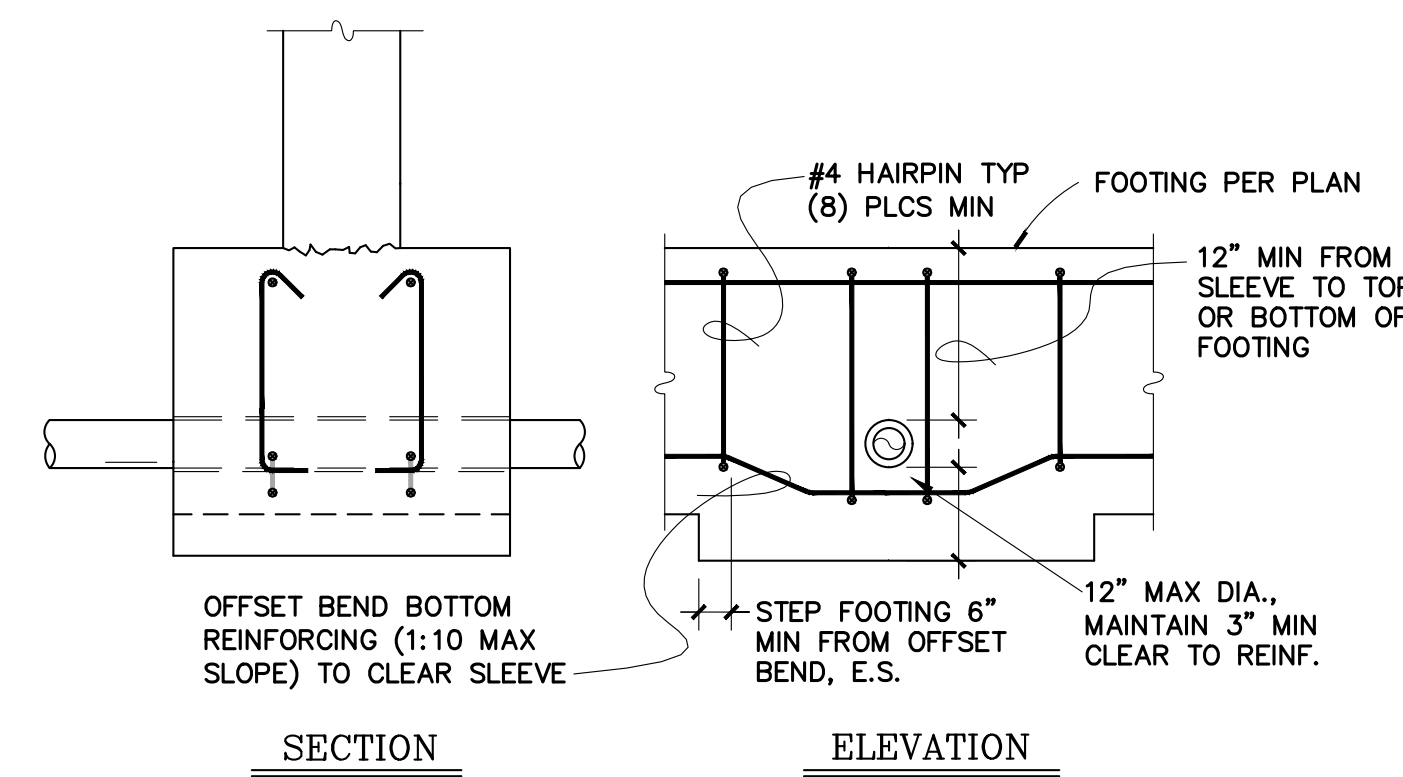
ADJACENT FOOTING DETAIL 10
NO SCALE



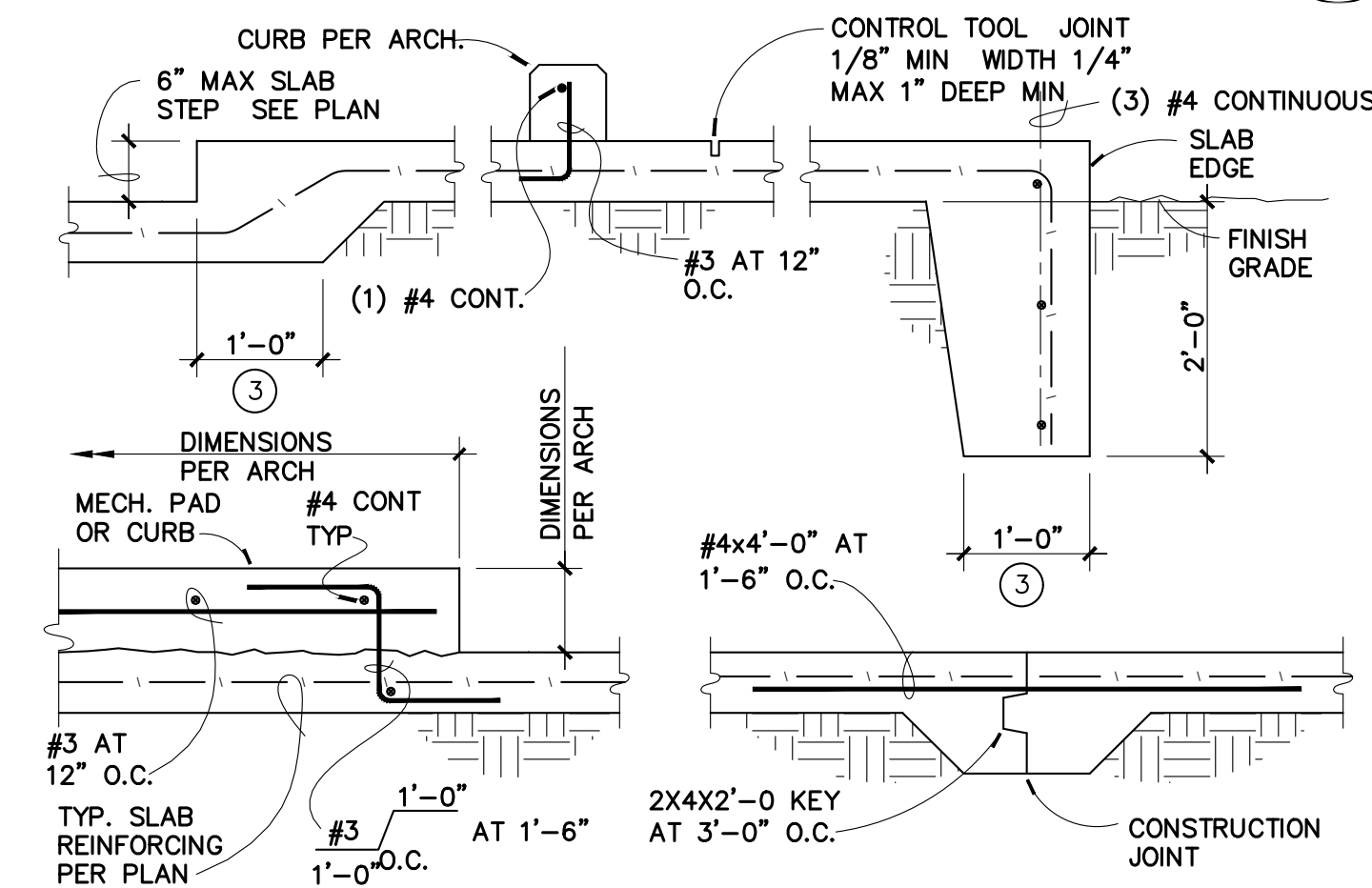
PLAN AT FOOTING INTERSECTIONS 6
NO SCALE



TYPICAL EDGE OF SLAB DETAIL 2
NO SCALE

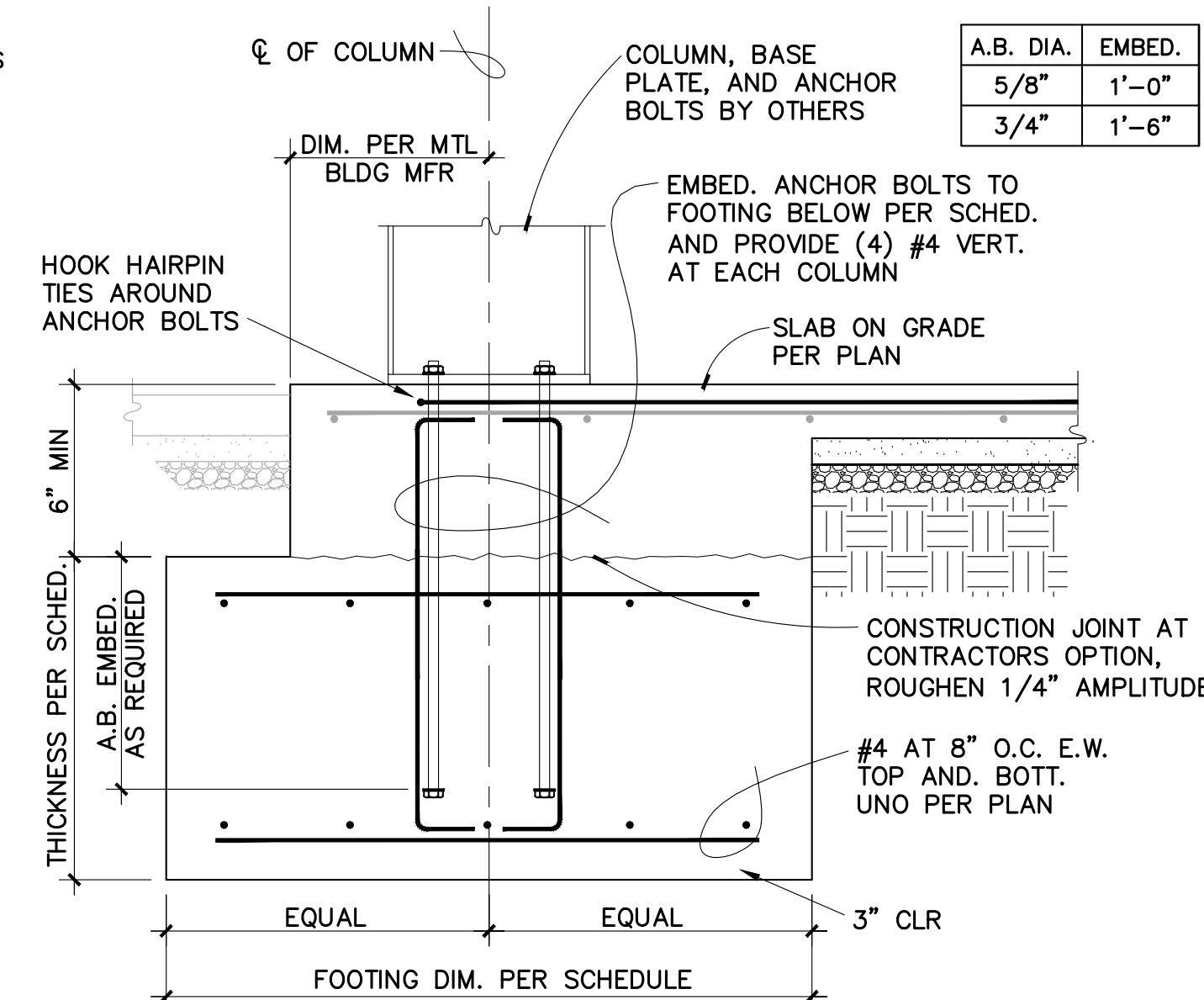


PIPE THRU CONTINUOUS FTG DETAIL 9
NO SCALE

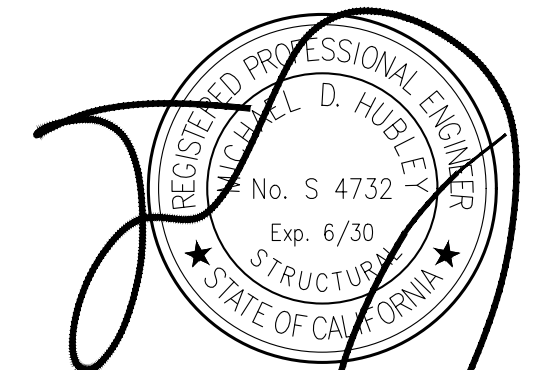


- NOTES:**
- PREPARE SUBGRADE PER SOILS REPORT.
 - SEE PLAN FOR SLAB REINFORCING.
 - MAY REDUCE DIMENSION TO 6" IF WALL ABOVE DOES NOT OCCUR.
 - GENERAL CONTRACTOR SHALL PROVIDE CONTROL AND CONSTRUCTION JOINT LAYOUT PLAN FOR ENGINEER'S REVIEW PRIOR TO CONCRETE PLACEMENT.

SLAB ON GRADE DETAILS 5
NO SCALE



TYP METAL BUILDING SPREAD FOOTING 1
NO SCALE



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ACCESSORY METAL BUILDING
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STRUCTURAL DETAILS

REVISIONS

NO.	DATE	DESCRIPTION

DATE 04/16/2024
SCALE NO SCALE
DRAWN DDR
JOB 24-008
SHEET

S3.1