

REHABILITATION & PRESERVATION
FRONT (OLD POST OFFICE) ELEVATION
CREAMERY BUILDING
OLD CREAMERY ROAD, HARMONY, CA

GENERAL NOTES

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CODE: 2010 CBC

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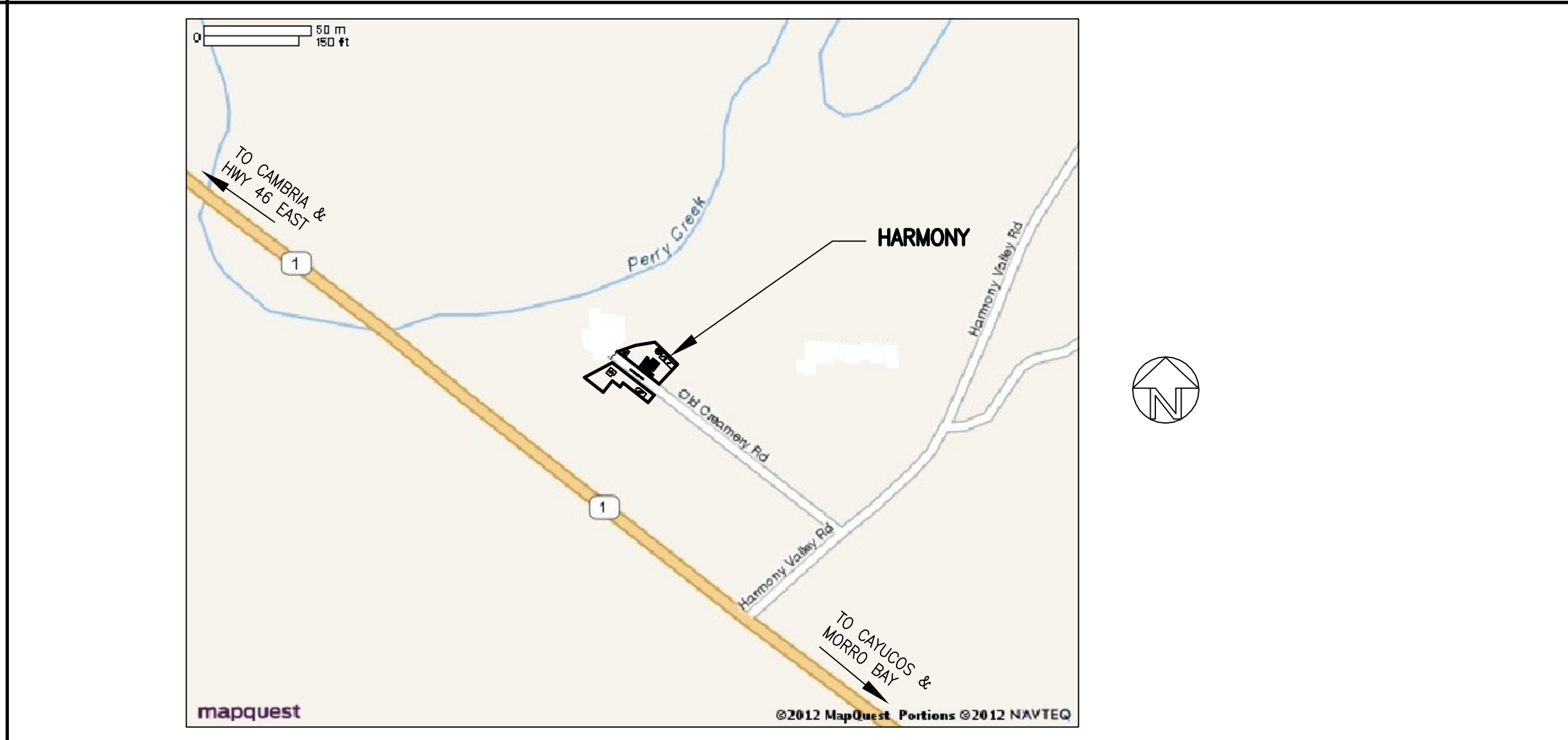
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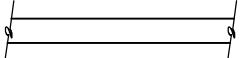

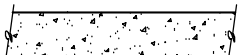
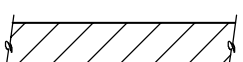




VICINITY MAP



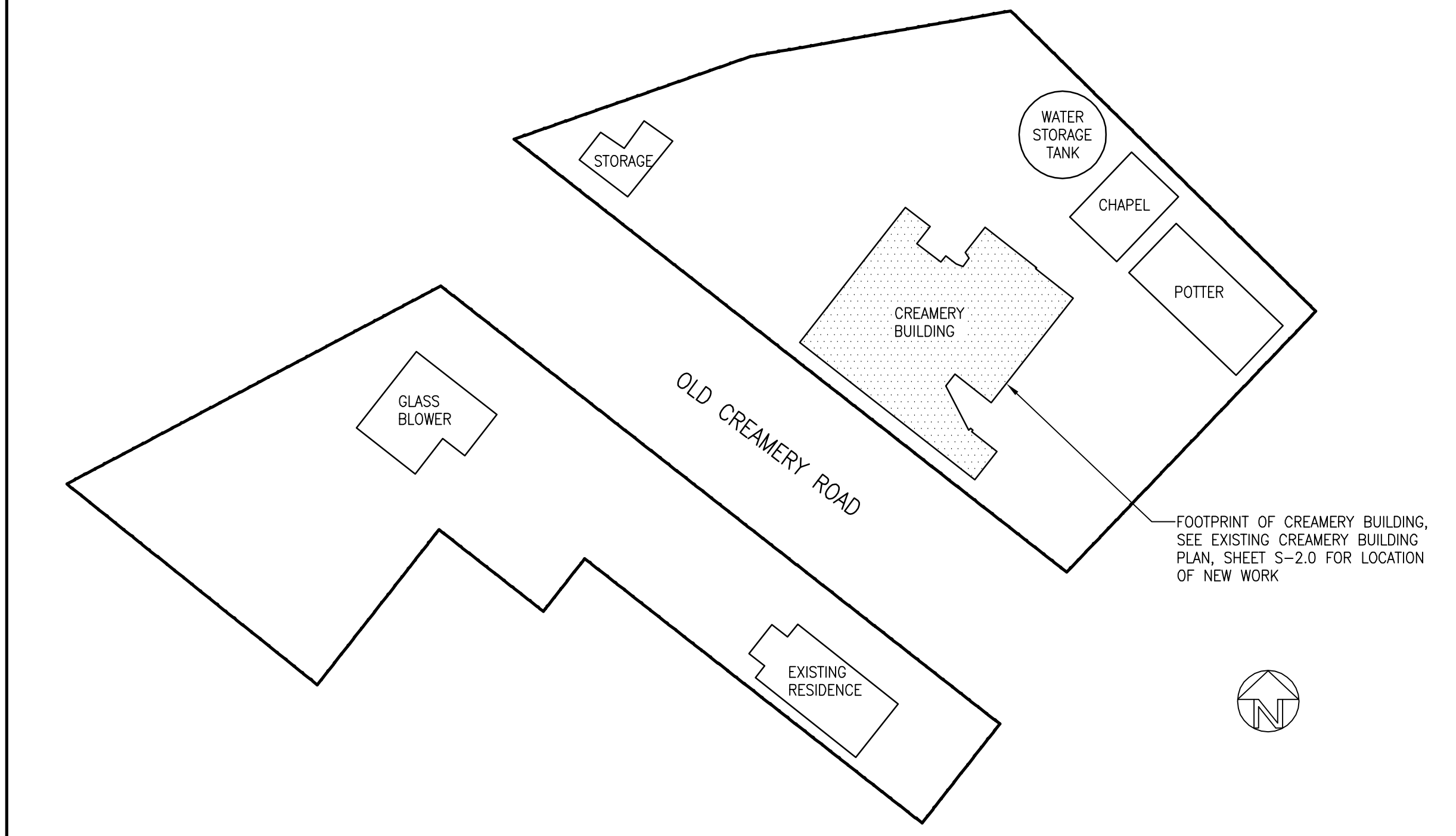
ABBREVIATIONS

Ø	AT	d	PENNY	I.D.	INSIDE DIAMETER	RET.	RETAINING
A.B.	ANCHOR BOLT	DBL.	DOUBLE	INCH.	INCH, INCHES	REQ'D	REQUIRED
ABV.	ABOVE	DEMAND	CRITICAL WELD	INT.	INTERIOR		
ACI	AMERICAN CONCRETE INSTITUTE	DET.	DETAIL			S.F.	SQUARE FEET
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	DEMO	DEMOLITION	JST., JSTS.	JOIST, JOISTS	SHT	SHEET
ATC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION	DOUGLAS	FIR	L.L.	LIVE LOAD	SHT'G	SHEATHING
		DIAG.	DIAGONAL	L.TWT.	LIGHTWEIGHT	SIRS (SIM)	SIMILAR
ALUM.	ALUMINUM	D.L.	DEAD LOAD	L.S.L.	LAMINATED STRAND LUMBER	SO.	SQUARE
A.O.R.	ARCHITECT OF RECORD	DWSG.	DIVISION OF STATE ARCHITECT DRAWINGS	L.V.L.	LAMINATED VENEER LUMBER	S.S.	SELECT STRUCTURAL
APA	AMERICAN PLYWOOD ASSOCIATION			MAX.	MAXIMUM	STAG'D	STAGGERED
A.P.B.	ANTHONY POWER BEAM	EA.	EACH	M.B.	MACHINE BOLT	STAND., STD.	STANDARD
APPROX.	APPROXIMATE(LY)	ELEC.	ELECTRIC, ELECTRICAL	M.B.M.	METAL BUILDING MANUFACTURER	STL	STEEL
ARCHIT.	ARCHITECTURE	ELEV.	ELEVATION	MECH.	MECHANICAL	S.W.	SLOT WELD
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS	EMBED.	EMBEDDED, EMBEDMENT	MFR.	MANUFACTURED	SW	STRONG WALL
ATR	ALL THREAD ROD	E.N.	EDGE NAILING	MIN.	MINIMUM	SSW	STEEL STRONG WALL
AMERICAN WELDING SOCIETY		A.R.S.	ENGINEER OF RECORD	EQUIP.	EQUIPMENT		
A.Y.C.	ALASKAN YELLOW CEDAR	E.S.	EXTRA STRONG	MTD.	MOUNTED	T&G	TONGUE AND GROOVE
		E.S.R.	ENGINEERING SERVICE REPORT	MTL.	METAL	T.O.	TOP OF
		EACH WAY				T.O.C.	TOP OF CONCRETE
		EXIST., (E)	EXISTING	(N)	NEW	T.O.F.	TOP OF FOOTING
BLDG.	BUILDING	EXT.	EXTERIOR	N.T.S.	NOT TO SCALE	T.O.S.	TOP OF SLAB
BLK.	BLOCK					T.O.W.	TOP OF WALL
BLOCKD.	BLOCKING	FAB.	FABRICATED	O.A.	OVERALL	T.S.	TUBE SECTION
BLKG.	BLOCKING	FDN., FOUND.	FOUNDATION	o.c.	ON CENTER	TY, (TYP)	TYPICAL
BEAM, BMS.	BEAM, BEAMS	F.F.	FINISH FLOOR	O.D.	OUTSIDE DIAMETER	UNBLKD.	UNBLOCKED
B.O.	BOTTOM OF	FLR.	FLOOR	O.S.B.	ORIENTED STRAND BOARD	U.O.N., U.N.O.	UNLESS OTHERWISE NOTED
BOT.	BOTTOM	F.O.F.	FACE OF FACE	OSHPD	OFFICE OF STATE HEALTH PLANNING AND DEVELOPMENT	U.R.M.	UNREINFORCED MASONRY
BRG.	BEARING	F.O.C.B.	FACE OF CONCRETE BLOCK				
b/t	BETWEEN	F.O.S.	FACE OF STUD	PEN.	PENETRATION	VERT.	VERTICAL
BTR.	BETTER	F.F.	FULL PENETRATION	PL.	PLATE	v.f.	VERIFY IN FIELD
CAC	CALIFORNIA ADMINISTRATIVE CODE	FRMG.	FRAMING	PLYWOOD	PLYWOOD	W/F.	WITH
CANT.	CANTILEVER	FT.	FOOT, FEET	P.O.P.	PARTIAL JOINT PENETRATION	WD.	WOOD
CBC	CALIFORNIA BUILDING CODE	FTG.	FOOTING	P.P.C.	PORT ORFORD CEDAR	W.S.M.F.	WELDED STEEL MOMENT FRAME
C.J.	CONTROL JOINT			P.S.I.	POUNDS PER SQUARE INCH	WSS	WELDED STEEL STUD
C.J.P.	COMPLETE JOINT PENETRATION	GA.	GAUGE	P.T.D.F.	PRESSURE TREATED DOUGLAS FIR	WT	WEIGHT
CENTERLINE		GYP. BD.	GYP. BOARD	P.W.	PUDDLE WELD	W.W.M.	WELDED WIRE MESH
CLG.	CEILING	HDR.	HEADER	Q.A.	QUALITY ASSURANCE		
CLR.	CLEAR	HD.	HOLDOWN	Q.C.	QUALITY CONTROL		
C.M.U.	CONCRETE MASONRY UNIT	HOR., HORIZ.	HORIZONTAL				
COL.	COLUMN	H.S.B.	HIGH STRENGTH BOLT	RBB	ROSBORO BIGBAM		
CONC.	CONCRETE	H.S.S.	HOLLOW STEEL SECTION	RBS	REDUCED BEAM SECTION		
CONC. BLK.	CONCRETE BLOCK	HT.	HEIGHT	RWD	REDWOOD		
CONN.	CONNECTION			REBAR	REINFORCING BAR		
CONST.	CONSTRUCTION			REINF.	REINFORCEMENT		
CONT.	CONTINUE, CONTINUOUS						
C.O.S.	CORNER OF STUD						
ø	DIAMETER	I.B.C.	INTERNATIONAL BUILDING CODE				
		I.C.C.	INTERNATIONAL CODE COUNCIL				

SYMBOLS

	HOLDOWN LOCATION -SEE SHEAR WALL SCHEDULE
	ROOF FRAMING, FLOOR FRAMING, OR FOUNDATION REFERENCE NOTE
	POST, COLUMN OR COLUMN FOOTING REFERENCE -REFER TO SCHEDULES
 (X'-Y')	SHEAR WALL REFERENCE -REFER TO SCHEDULE (MINIMUM SHEARWALL LENGTH)
	DETAIL NUMBER REFERENCE SHEET NUMBER REFERENCE
	2x STUD WALL
	2x STUD BEARING WALL
	CONCRETE WALL
	CONCRETE BLOCK WALL
	ELEVATION REFERENCE
	BUILDING MATCH LINE
	ELEVATION REFERENCE
	WELDED STEEL MOMENT FRAME

HARMONY SITE PLAN

[illegible]

GENERAL STRUCTURAL NOTES

GENERAL NOTES

1. THE FOLLOWING NOTES, TYPICAL DETAILS AND SCHEDULES SHALL APPLY TO ALL PHASES OF THIS PROJECT UNLESS OTHERWISE SHOWN OR NOTED.
2. SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE MINIMUM STANDARDS OF THE 2010 EDITION OF THE CALIFORNIA BUILDING CODE (CBC) AND SUCH OTHER REGULATING AGENCIES EXERCISING AUTHORITY OVER ANY PORTION OF THE WORK. THE CONTRACTOR SHALL HAVE A COPY OF THE CBC ON THE JOB SITE.
4. THE "CONTRACT OR CONSTRUCTION DOCUMENTS" SHALL CONSIST OF THESE NOTES, DETAILS, SCHEDULES, PLANS, AND DRAWINGS, AS WELL AS ATTACHED SPECIFICATIONS.
5. ALL SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO MATERIALS AND PRODUCTS, SHALL BE THOSE PUT FORTH IN THE "CONTRACT OR CONSTRUCTION DOCUMENTS". NO SUBSTITUTIONS SHALL BE PERMITTED TO BE USED OR ASSUMED TO BE USED IN THE BIDDING OR CONSTRUCTION PROCESS WITHOUT WRITTEN APPROVAL BY THE ENGINEER OF RECORD.
6. THE CONTRACTOR SHALL EXAMINE THE "CONTRACT OR CONSTRUCTION DOCUMENTS" AND SHALL NOTIFY THE ARCHITECT OR ENGINEER OF ANY DISCREPANCIES HE MAY FIND BEFORE PROCEEDING WITH THE WORK.
7. ALL INFORMATION ON EXISTING CONDITIONS SHOWN ON DRAWINGS ARE BASED ON BEST PRESENT KNOWLEDGE AVAILABLE, BUT WITHOUT GUARANTEE OF ACCURACY. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS AT THE SITE AND SHALL NOTIFY THE ARCHITECT OR ENGINEER OF ANY DISCREPANCIES BETWEEN ACTUAL SITE CONDITIONS AND INFORMATION SHOWN ON OR IN THE "CONTRACT OR CONSTRUCTION DOCUMENTS" BEFORE PROCEEDING WITH WORK.
8. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR ENGINEER OF ANY CONDITION WHICH IN HIS OPINION MIGHT ENDANGER THE STABILITY OF THE STRUCTURE OR CAUSE DISTRESS OF THE STRUCTURE.
9. ALL WORK SHALL CONFORM TO THE BEST PRACTICE PREVAILING IN THE VARIOUS TRADES COMPRISING WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES.
10. THESE "CONTRACT OR CONSTRUCTION DOCUMENTS" REPRESENT THE FINISHED STRUCTURE, AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES.
11. INSPECTION AND APPROVAL FOR FABRICATOR'S SHOPS USED FOR FABRICATION OF STRUCTURAL LOAD BEARING MEMBERS, COMPONENTS, MATERIALS OR ASSEMBLIES SHALL CONFORM TO CBC SECTION 1704.2.
- A. LABELING (AS REQUIRED OR SPECIFIED) SHALL BE PROVIDED IN ACCORDANCE WITH CBC SECTION 1703.5.
- B. EVALUATION AND FOLLOW-UP INSPECTION SERVICES (AS REQUIRED OR SPECIFIED), SHALL CONFORM TO CBC SECTION 1703.6.
12. THE CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR INFORMATION NOT COVERED BY THESE DRAWINGS AND GENERAL NOTES.
13. THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING AND SHORING FOR ALL STRUCTURAL MEMBERS AS REQUIRED FOR STRUCTURAL STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION.
14. THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO ENSURE PROPER ALIGNMENT OF THE STRUCTURE AFTER THE INSTALLATION OF ALL STRUCTURAL AND FINISH MATERIALS. THIS SHALL INCLUDE ANY NECESSARY PRELOADING OF THE STRUCTURE TO DETERMINE FINAL POSITION OF THE COMPLETED WORK.
15. OBSERVATION VISITS TO THE PROJECT SITE BY FIELD REPRESENTATIVES OF ARCHITECT AND/OR ENGINEER (SUPPORT SERVICES) SHALL NOT INCLUDE INSPECTIONS OF SAFETY OR PROTECTIVE MEASURES, NOR CONSTRUCTION PROCEDURES, TECHNIQUES OR METHODS. ANY SUPPORT SERVICES PERFORMED BY ARCHITECT OR ENGINEER DURING ANY PHASE OF CONSTRUCTION, SHALL BE DISTINGUISHED FROM CONTINUOUS AND DETAILED INSPECTION SERVICES (AS REQUIRED BY ANY REGULATING GOVERNMENTAL AGENCY, e.g. LOCAL BUILDING DEPARTMENT) PROVIDED BY OTHERS. THESE SUPPORT SERVICES, WHETHER OF MATERIAL OR WORK, ARE PERFORMED SOLELY FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DOCUMENTS, BUT DO NOT GUARANTEE CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.
16. PROVIDE OPENINGS AND SUPPORTS AS REQUIRED PER TYPICAL DETAILS AND NOTES FOR MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT, VENTS, DUCTS, PIPING, ETC. ALL MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT SHALL BE PROPERLY "SWAY BRACED" AGAINST LATERAL FORCES.
17. THESE NOTES, DETAILS, DRAWINGS AND SPECIFICATIONS (CONTRACT OR CONSTRUCTION DOCUMENTS) DO NOT CARRY NECESSARY PROVISIONS FOR CONSTRUCTION SAFETY. THESE DOCUMENTS AND ALL PHASES OF CONSTRUCTION HEREBY CONTEMPLATED ARE TO BE GOVERNED, AT ALL TIMES, BY APPLICABLE PROVISIONS OF THE CURRENT CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT.
18. WHERE ANY CONFLICT OCCURS BETWEEN THE REQUIREMENTS OF FEDERAL, STATE AND LOCAL LAWS, CODES, ORDINANCES, RULES AND REGULATIONS, THE MOST STRINGENT SHALL GOVERN.
19. REFER TO ARCHITECTURAL DRAWINGS TO COORDINATE WITH STRUCTURAL DRAWINGS. ANY DISCREPANCY BETWEEN THESE DRAWINGS SHALL BE REFERRED TO THE ARCHITECT OR ENGINEER FOR CLARIFICATION BEFORE START OF CONSTRUCTION.
20. WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.
21. DRAWINGS (NOTES, SCHEDULES, DETAILS AND PLANS) SHALL HAVE PRECEDENCE OVER STRUCTURAL CALCULATIONS.
22. IN THE EVENT THAT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE DRAWINGS OR CALLED FOR IN THE GENERAL NOTES OR SPECIFICATIONS, THEN THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE SHOWN OR CALLED FOR.
23. CONTRACTOR SHALL HAVE A COPY OF PROJECT SOILS/GEOTECHNICAL/FOUNDATION INVESTIGATION ON THE JOB SITE.
24. ASTM DESIGNATION AND ALL STANDARDS REFER TO THE LATEST AMENDMENTS.
25. THESE STRUCTURAL "CONTRACT OR CONSTRUCTION DOCUMENTS" SHALL NOT BE MODIFIED WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER.
26. ONLY "APPROVED" STRUCTURAL WORKING DRAWINGS AND "CONTRACT OR CONSTRUCTION DOCUMENTS" ARE PERMITTED TO BE USED FOR CONSTRUCTION ON THIS PROJECT. ALL OTHER DRAWINGS OR DOCUMENTS ARE OBSOLETE AND ARE NOT PERMITTED ON THE JOB SITE, NOR SHALL THEY BE USED FOR ANY CONSTRUCTION PURPOSES. CONTRACTORS USING UNAPPROVED DRAWINGS OR DOCUMENTS ARE SOLELY RESPONSIBLE FOR ALL WORK NOT PERFORMED IN ACCORDANCE WITH THE "APPROVED" DRAWINGS.
27. SEE ARCHITECTURAL DRAWINGS FOR ALL FIRE PROTECTION REQUIREMENTS.

SHOP DRAWING AND CONTRACTOR SUBMITTAL REVIEW

1. SHOP DRAWINGS OR CONTRACTOR SUBMITTALS SHOULD BE PROVIDED FOR THE FABRICATION (OR MOVING) OF THE FOLLOWING (BUT NOT LIMITED TO) COMPONENTS OR ELEMENTS.
- A. CONCRETE (AND/OR GROUT) MIX DESIGNS.
- B. STRUCTURAL STEEL.
- C. REINFORCING STEEL.
- D. SUBSTITUTE OR ALTERNATE MATERIALS.
- E. FORMWORK AND SHORING.
2. PROJECT CONTRACTOR SHALL BE RESPONSIBLE FOR PRODUCTION AND APPROVAL OF ALL SHOP DRAWINGS.
3. WHEN PROJECT CONTRACTOR SUBMITS SHOP DRAWINGS OR OTHER SUBMITTALS TO ARCHITECT/ENGINEER FOR REVIEW, SUBMITTAL PACKAGE SHALL CONTAIN SUFFICIENT COPIES THAT ARCHITECT/ENGINEER MAY RETAIN A COMPLETE COPY OF SUBMITTAL PACKAGE. IN ADDITION, PROJECT CONTRACTOR SHALL ALLOW SUFFICIENT TIME TO THOROUGHLY REVIEW SUBMITTAL PACKAGE (10 WORKING DAYS, MINIMUM).
4. REVIEW OF SHOP DRAWINGS OR CONTRACTOR SUBMITTAL BY ARCHITECT/ENGINEER DOES NOT IN ANY WAY CONSTITUTE APPROVAL OF SUBMITTAL PACKAGE. ARCHITECT/ENGINEER'S REVIEW IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AND CONTRACT DOCUMENTS. REVIEW SHALL NOT BE CONSTRUED AS RELIEVING PROJECT CONTRACTOR FROM COMPLIANCE WITH THE CONTRACT DOCUMENTS.

DEMOLITION NOTES

1. SAFETY NOTE:
- A. IT IS SOLELY THE CONTRACTORS RESPONSIBILITY TO COMPLY WITH THE PERTINENT SECTIONS, AS THEY APPLY TO THIS PROJECT, OF THE "CONSTRUCTION SAFETY ORDERS" ISSUED BY THE STATE OF CALIFORNIA, LATEST EDITION, AND ALL O.S.H.A. REQUIREMENTS.
- B. THE ARCHITECT, STRUCTURAL ENGINEER, AND THE OWNER DO NOT ACCEPT ANY RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY WITH THESE REQUIREMENTS.
- C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE DESIGN AND CONSTRUCTION OF ALL FORMS. FORMS SHALL ALSO BE ADEQUATELY BRACED AND SHORED.
2. SHORE BEAMS WHERE NECESSARY TO MAINTAIN THE STRUCTURAL INTEGRITY OF THE EXISTING STRUCTURE.
3. NOTIFY THE STRUCTURAL ENGINEER OF ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING STRUCTURE.
4. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND LOCATION OF ALL SHORING.

FOUNDATION NOTES

1. BASIS: CBC CHAPTER 18
2. ALLOWABLE SOIL BEARING PRESSURE: DEAD LOAD PLUS LIVE LOAD: 1,000 P.S.F.
3. UNEXPECTED SOIL CONDITIONS: ALLOWABLE VALUES AND FOUNDATION DESIGN ARE BASED UPON SOIL CONDITIONS SHOWN BY TEST BORINGS. ACTUAL SOIL CONDITIONS WHICH DEViate APPRECIABLY FROM THAT SHOWN IN THE TEST BORINGS SHALL BE REPORTED TO THE PROJECT SOILS ENGINEER IMMEDIATELY.
4. SEE SOILS OR FOUNDATION INVESTIGATION FOR COMPACTION, FILL, BACKFILLING, AND SITE PREPARATION REQUIREMENTS AND PROCEDURES.
5. EXCAVATE TO REQUIRED DEPTHS AND DIMENSIONS (AS INDICATED IN DRAWINGS AND PROJECT SOILS REPORT), CUT SQUARE AND SMOOTH WITH FIRM LEVEL BOTTOMS. CARE SHALL BE TAKEN NOT TO OVER-EXCAVATE FOUNDATION AT LOWER ELEVATION AND PREVENT DISTURBING OF SOILS AROUND HIGHER ELEVATION.
6. FOOTINGS SHALL BE POURED IN NEAT EXCAVATIONS, WITHOUT SIDE FORMS WHENEVER POSSIBLE.
7. CARRY ALL FOUNDATIONS TO REQUIRED DEPTHS INTO COMPACTED FILL OR NATURAL SOIL (AS PER STRUCTURAL PLANS AND DETAILS, AND PROJECT SOILS REPORT).
8. FOUNDATIONS SHALL NOT BE POURED UNTIL ALL REQUIRED REINFORCING STEEL, SLEEVES, INSERTS, CONDUITS, PIPES, ETC. AND FORMWORK IS PROPERLY PLACED AND INSPECTED BY THE LOCAL BUILDING OFFICIAL/INSPECTOR.
9. THE SIDES AND BOTTOMS OF EXCAVATIONS WHICH ARE TO HAVE CONCRETE CONTACT MUST BE MOISTENED SEVERAL TIMES JUST PRIOR TO POURING UPON THEM.
10. DE-WATER FOOTINGS, AS REQUIRED, TO MAINTAIN DRY WORKING CONDITIONS.
11. ALL FOUNDATION EXCAVATIONS SHALL BE INSPECTED AND APPROVED BY PROJECT SOILS ENGINEER, PRIOR TO FORMING AND PLACEMENT OF REINFORCING OR CONCRETE.

CONCRETE

1. ALL CONCRETE SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH (f'c) OF 3,000 P.S.I. AT 28 DAYS. ALL CONCRETE SHALL BE REGULAR WEIGHT (UNLESS SPECIFICALLY NOTED OTHERWISE).
2. ALL CONCRETE WORK SHALL COMPLY WITH CBC CHAPTER 19 AND ACI 318-08 AND LATEST EDITION OF ACI MANUAL OF CONCRETE PRACTICE.
3. SPECIAL INSPECTION (AS REQUIRED OR SPECIFIED) SHALL CONFORM TO CBC CHAPTER 17.
4. CEMENT SHALL BE PORTLAND CEMENT TYPE I OR II AND SHALL CONFORM TO ASTM C150.
5. AGGREGATES SHALL CONFORM TO ASTM C33.
6. WATER SHALL CONFORM TO ASTM C1602.
7. WHERE NOT SPECIFICALLY DETAILED, THE MINIMUM CONCRETE COVER ON REINFORCING STEEL SHALL BE:
- A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH OR WEATHER: 3"
- B. CONCRETE PLACED AGAINST FORMS, BUT EXPOSED TO EARTH OR WEATHER: 2"
- C. SLABS, WALL & JOISTS, NOT EXPOSED TO EARTH OR WEATHER: ¾"
- D. BEAMS, GIRDERS & COLUMNS, NOT EXPOSED TO EARTH OR WEATHER: 1½"
8. REINFORCING BARS LARGER THAN #8 ARE NOT PERMITTED UNLESS SPECIFICALLY DETAILED OR NOTED OTHERWISE.
9. MINIMUM LAP FOR ALL REINFORCING BARS AT SPLICES: (SPLICES TO BE STAGGERED)

#3, #4-----24" #5-----30"
#6-----36" #7-----53"
#8-----60"

CONCRETE (CONTINUED)

10. THE MINIMUM RADIUS OF BEND FOR REINFORCING STEEL (MEASURED ON THE INSIDE OF BAR) SHALL BE AS FOLLOWS:
- #3-----18" #6-----28"
#4-----19" #7-----29"
#5-----19" #8-----3"
11. ALL ANCHOR BOLTS USED IN CONCRETE CONSTRUCTION SHALL HAVE A MINIMUM TOTAL EMBEDMENT AS FOLLOWS, U.N.O.:
- 5/8" DIA OR SMALLER-----7"
3/4" DIA-----8"
7/8" DIA-----9"
1" DIA-----10"
12. LOCATION OF ALL CONSTRUCTION JOINTS, OTHER THAN SPECIFIED, SHALL BE APPROVED BY ARCHITECT/ENGINEER PRIOR TO POURING. CONSTRUCTION JOINTS SHALL BE THOROUGHLY AIR AND WATER CLEANED AND HEAVILY ROUGHENED SO AS TO EXPOSE COARSE AGGREGATES. ALL SURFACES TO RECEIVE CONCRETE SHALL BE MAINTAINED CONTINUOUSLY WET AT LEAST THREE HOURS IN ADVANCE OF POURING.
13. ALL REINFORCING STEEL, ANCHOR BOLTS, DOWELS, INSERTS AND ANY OTHER HARDWARE TO BE SET IN CONCRETE SHALL BE WELL SECURED IN POSITION PRIOR TO POURING OF CONCRETE.
14. ARCHITECT OR ENGINEER AND INSPECTOR SHALL BE NOTIFIED FOR REINFORCING INSPECTION 24 HOURS, MINIMUM, PRIOR TO PLACING ANY CONCRETE.
15. CONTRACTOR SHALL OBTAIN APPROVAL FROM ARCHITECT/ENGINEER PRIOR TO PLACING SLEEVES, PIPES, DUCTS, CHASES, CORING AND OPENINGS ON OR THROUGH STRUCTURAL CONCRETE BEAMS, WALLS, FLOORS AND ROOF SLABS, UNLESS SPECIFICALLY DETAILED OR NOTED. ALL PIPES OR CONDUITS PASSING THROUGH CONCRETE MEMBERS SHALL BE SLEEVED WITH STANDARD STEEL PIPES. SEE DETAIL FOR SLEEVE AT FOUNDATION.
16. FORMWORK DESIGN AND REMOVAL SHALL CONFORM TO CBC SECTION 1906.
17. VIBRATE ALL CONCRETE (INCLUDING SLABS ON GRADE) AS IT IS PLACED, WITH A MECHANICAL VIBRATOR OPERATED BY EXPERIENCED PERSONNEL. THE VIBRATOR SHALL BE USED TO CONSOLIDATE THE CONCRETE, NOT TRANSPORT IT. REINFORCING AND FORMS SHALL NOT BE VIBRATED.
18. FORM REMOVAL: REMOVE FORMS IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:
- SIDE FORMS OF FOOTINGS: MINIMUM 48 HOURS
EDGE FORMS OF SLAB ON GRADE, STRIP 1: MINIMUM 24 HOURS
WALL/RETAINING WALL FORMS: 72 HOURS & 70% OF DESIGN STRENGTH
COLUMN FORMS: 72 HOURS & 70% OF DESIGN STRENGTH
19. CONCRETE SHALL NOT FREE FALL MORE THAN SIX FEET. USE TREMIE, PUMP OR OTHER APPROVED METHODS.
20. CONCRETE SHALL BE MAINTAINED IN A MOIST CONDITION FOR A MINIMUM OF 5 DAYS AFTER PLACEMENT.
21. CONTRACTOR MAY USE CONCRETE ADMIXTURES AS A CONSTRUCTION MEANS AND METHODS TO EXECUTE "CONTRACT OR CONSTRUCTION DOCUMENTS". USE OF ADMIXTURE IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
22. MIX DESIGNS SHALL BE PREPARED BY AN APPROVED TESTING LABORATORY, SIGNED BY A LICENSED ENGINEER AND SHALL BE SUBMITTED TO THE PROJECT STRUCTURAL ENGINEER OF RECORD FOR APPROVAL.
23. ONLY ONE GRADE OF CONCRETE SHALL BE ALLOWED ON PROJECT SITE AT ANY ONE TIME.
24. UNLESS SPECIFICALLY DETAILED OR NOTED OTHERWISE, CONSTRUCTION AND CONTROL JOINTS SHALL BE PROVIDED IN ALL CONCRETE SLABS, AND SHALL BE LOCATED SUCH THAT THE AREA WITHIN JOINTS DOES NOT EXCEED 375 SQ. FT., AND IS ROUGHLY SQUARE.
- A. FOR ALL STRUCTURAL SLABS (SUSPENDED OR CINGRADE) WHERE ARCHITECTURAL "EXPOSED" CONDITIONS ARE DESIRED, GENERAL CONTRACTOR SHALL PROVIDE CONTROL JOINT LAYOUT FOR REVIEW BY ARCHITECT OR ENGINEER.
25. EVERY OPENING (EXCEEDING 24" IN EITHER DIRECTION) SHALL HAVE A MINIMUM OF 2 #5 (U.N.O.) DIRECTLY ADJACENT TO ALL SIDES AS WELL AS TOP AND BOTTOM (UNLESS AT FOUNDATION). REINFORCING BARS SHALL EXTEND A MINIMUM OF 24" PAST EDGE OF OPENING.
26. DOWEL ALL CONCRETE WALLS AND COLUMNS TO SUPPORTING CONCRETE WITH BARS OF THE SAME SIZE AND SPACING AS VERTICAL BARS IN WALL AND COLUMNS. SEE NOTE #8 FOR LAP LENGTH. DO NOT "HICKEY" BARS. ALL DOWELS SHALL BE VERTICAL.
27. AT THE END, AS WELL AS TOP, OF WALLS SHALL BE A MINIMUM OF 2 #5 CONTINUOUS (U.N.O.).
28. CONCRETE STRENGTH SHALL BE VERIFIED BY STANDARD CYLINDER TESTS (IN ACCORDANCE WITH CBC SECTION 1905) MADE BY AN APPROVED TESTING LABORATORY.
29. CONCRETE PLACED DURING FREEZING OR NEAR-FREEZING WEATHER SHALL CONFORM TO CBC SECTION 1905.12.

REINFORCING STEEL

1. ALL REINFORCING STEEL SHALL BE DEFORMED INTERMEDIATE GRADE BARS CONFORMING TO ASTM A615, GRADE 60 (Fy = 60 K.S.I.) UNLESS OTHERWISE NOTED.
- A. GRADE 40 MAY BE USED FOR #4 BARS AND SMALLER.
2. REINFORCING STEEL SHALL NOT BE WELDED, UNLESS SPECIFICALLY NOTED OTHERWISE.
3. WELDING OF REINFORCING STEEL (WHERE SPECIFICALLY NOTED OR DETAILED) SHALL CONFORM TO ACI 318-08, SECTION 3.5.2 AND AWS D1.4. WELDED REBAR SHALL BE LOW-ALLOY STEEL CONFORMING TO ASTM A706.
4. TO HOLD REINFORCING BARS IN THEIR TRUE POSITION AND PREVENT DISPLACEMENT, STANDARD TIE AND ANCHORAGE DEVICES MUST BE PROVIDED. PLACING OF REINFORCEMENT SHALL CONFORM TO CBC SECTION 1907.5.
5. SHOP DRAWINGS FOR FABRICATION OF ANY REINFORCING STEEL SHALL BE APPROVED BY CONTRACTOR AND SUBMITTED TO ARCHITECT OR ENGINEER, FOR HIS REVIEW, PRIOR TO FABRICATION.
6. REFER TO CONCRETE AND CONCRETE BLOCK NOTES FOR MINIMUM SPLICE LENGTH AND MINIMUM RADIUS OF BEND, OF REINFORCING STEEL.
7. STAGGER SPLICES IN REINFORCING STEEL, UNLESS SPECIFICALLY NOTED OTHERWISE.
8. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.

REINFORCING STEEL (CONTINUED)

9. FABRICATION, ERECTION AND PLACEMENT OF REINFORCING STEEL SHALL CONFORM TO CONCRETE REINFORCING STEEL INSTITUTE OF STANDARD PRACTICE.
10. ALL WELDED WIRE MESH SHALL CONFORM TO ASTM A185. LAP ALL WIRE MESH TWO MODULES.
11. REINFORCING STEEL SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIAL LIKELY TO IMPAIR BOND.
12. EPOXY-COATED REINFORCEMENT (WHERE SPECIFICALLY NOTED OR DETAILED) SHALL CONFORM TO ASTM A775.

STRUCTURAL STEEL AND WELDING

1. ALL STRUCTURAL STEEL CONSTRUCTION SHALL CONFORM TO AISC 360-05 AND AISC 341-05.
- A. FABRICATION OF ALL STRUCTURAL STEEL SHALL BE DONE IN THE SHOP OF AN APPROVED FABRICATOR. INSPECTION AND APPROVAL FOR FABRICATOR'S SHOPS USED FOR FABRICATION OF STRUCTURAL LOAD BEARING MEMBERS, COMPONENTS, MATERIALS OR ASSEMBLIES SHALL CONFORM TO CBC SECTION 1704.2.
2. ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
- A. ANGLES, CHANNELS, PLATES, BARS, ROUNDS, AND OTHER MISCELLANEOUS SHAPES SHALL CONFORM TO ASTM A-36 AND SHALL HAVE A MINIMUM YIELD STRESS (Fy) OF 36 K.S.I.
- B. WIDE-FLANGE SHAPES SHALL CONFORM TO ASTM A992 AND SHALL HAVE A MINIMUM YIELD STRESS (Fy) OF 50 K.S.I.
- C. STEEL PIPE COLUMNS SHALL BE WELDED SEAMLESS PIPE CONFORMING TO ASTM, A-53, GRADE B, AND SHALL HAVE A MINIMUM YIELD STRESS (Fy) OF 35 K.S.I.
- D. STRUCTURAL TUBE COLUMNS SHALL BE ASTM A500 GRADE B, AND SHALL HAVE A MINIMUM YIELD STRESS (Fy) OF 46 K.S.I.
3. SPECIAL INSPECTION SHALL BE PROVIDED FOR ALL STRUCTURAL STEEL AND WELDING, IN ACCORDANCE WITH CBC CHAPTER 17.
4. ALL STRUCTURAL STEEL SHALL BE FABRICATED, ERECTED AND WELDING IN ACCORDANCE WITH AISC SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS (AISC 360-05) AND CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGE (AISC 303-05).
5. ALL WELDING SHALL BE DONE BY QUALIFIED AND CERTIFIED WELDERS.
6. NO FIELD WELDING PERMITTED, UNLESS SPECIFICALLY NOTED OTHERWISE.
7. SHOP DRAWINGS FOR THE FABRICATION OF ANY STRUCTURAL STEEL SHALL BE APPROVED BY CONTRACTOR AND SUBMITTED TO ARCHITECT OR ENGINEER FOR HIS REVIEW, PRIOR TO FABRICATION.
8. NO HOLES OTHER THAN THOSE SPECIFICALLY DETAILED SHALL BE ALLOWED THROUGH STRUCTURAL STEEL MEMBERS. BURNING OF HOLES IS NOT PERMITTED.
9. ALL STRUCTURAL STEEL SHALL BE PAINTED ONE SHOP COAT AND FIELD TOUCHED-UP, AS NECESSARY, WITH APPROVED "ZINC RICH" OR OTHER HIGH QUALITY EXTERIOR PRIMER.
10. ALL BOLTS SHALL CONFORM TO ASTM, A-307 (U.N.O.)
11. ALL WELDING SHALL CONFORM TO 'AWS D1.1 AND D1.8' SPECIFICATIONS FOR WELDING. (E-70XX ELECTRODES).
12. ALL HEADED STUDS (FOR CONCRETE ANCHORAGE) SHALL BE MANUFACTURED BY 'NELSON' OR APPROVED EQUAL.
13. WHERE FILLET WELD SIZE IS NOT INDICATED, USE 'AWS' MINIMUM SIZE BASED ON THE THICKNESS OF THE THINNER PART BEING WELDED, AS SPECIFIED IN AISC SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS (AISC 360-05), SECTION J2.2.
14. ALL BUTT WELDS TO BE FULL PENETRATION, UNLESS SPECIFICALLY NOTED OTHERWISE.
15. WELDER QUALIFICATION REQUIREMENTS, WELDING PROCEDURE AND WELDING ELECTRODES FOR ALL STRUCTURAL STEEL (EXCEPT STRUCTURAL SHEET STEEL, SEE STEEL DECKING) SHALL CONFORM TO CBC SECTIONS 1704.3.1 AND 2204.1.
16. PROVIDE HOT DIP GALVANIZING OR 3" MINIMUM CONCRETE COVER AROUND ALL STRUCTURAL STEEL BELOW GRADE.
17. STRUCTURAL STEEL EMBEDDED INTO CONCRETE OR MASONRY SHALL BE UNPAINTED.

STEEL DECKING

1. STEEL DECKING SHALL BE COLD ROLLED STEEL CONFORMING TO ASTM A611, GRADE C STRUCTURAL QUALITY STEEL SHEET, AND HAVE A MINIMUM YIELD STRENGTH (Fy) OF 38 KSI (U.N.O.).
- A. ALL STEEL DECKING SHALL CONFORM TO CBC SECTION 2209.
- B. ALL GALVANIZED STEEL DECKING SHALL CONFORM TO ASTM A653, SS GRADE 33.
2. STEEL DECKING MANUFACTURER SHALL SUBMIT SHOP DRAWINGS TO ARCHITECT/ENGINEER FOR HIS REVIEW AND APPROVAL PRIOR TO FABRICATION.
3. ALL DECKING SIDE LOCKS SHALL BE COMPATIBLE.
4. STEEL DECKING SHALL HAVE A PRIME PAINTED FINISH.
5. STEEL ROOF DECK SHALL BE 20 GAUGE VERC0 DECK, INC. TYPE B-36 FORMLOCK, OR APPROVED EQUAL.
6. STEEL DECKING SHEETS SHALL BE CONTINUOUS OVER A MINIMUM OF 3 SUPPORTS (2 SPANS).
7. STEEL DECK SHALL BE PLACED ON THE SUPPORTING FRAMEWORK WITH A MINIMUM END LAP OF 2 INCHES, CENTERED OVER THE SUPPORTS.
8. THE DECK SHALL BE WELDED TO THE SUPPORTS AND SIDE LAP OF ADJACENT UNITS WELDED AS SHOWN ON THESE STRUCTURAL DRAWINGS. STEEL ROOF DECK SHALL BE WELDED AS FOLLOWS (SIZE & TYPE AS MANUFACTURERS REQUIREMENTS):
- 3 WELDS PER SHEET AT ALL SUPPORTS
- 1-1/2" SIDE LAP WELDS AT MID-SPANS
9. WELDING OF STEEL DECK SHALL BE IN ACCORDANCE WITH LATEST AWS D1.4, SPECIFICATIONS FOR WELDING SHEET STEEL IN STRUCTURES AND AS SHOWN ON THESE STRUCTURAL DRAWINGS.
10. STEEL DECK SHALL BE ERECTED AND FASTENED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND ERECTION LAYOUT, AS WELL AS REQUIREMENTS SET FORTH IN THESE STRUCTURAL DRAWINGS.

STEEL DECKING (CONTINUED)

11. NO HOLES SHALL BE CUT INTO STEEL DECKING UNLESS SPECIFICALLY NOTED OR DETAILED OTHERWISE, SEE STRUCTURAL DETAILS.
12. WELD METAL SHALL PENETRATE ALL LAYERS OF DECK MATERIAL AT EACH END AND SIDE JOINTS AND HAVE GOOD FUSION TO THE SUPPORTING MEMBERS.
13. ELECTRODES E60 OR E70 WITH A MINIMUM SIZE OF 1/8".
14. FOR WELDING OF STRUCTURAL SHEET STEEL, WELDER QUALIFICATION REQUIREMENTS, WELDING PROCEDURES AND WELDING ELECTRODES SHALL CONFORM TO CBC SECTION 2209 AND AWS D1.3-08.
15. CONTINUOUS INSPECTION IS REQUIRED FOR STEEL DECKING WELDING.
16. GALVANIZING SHALL CONFORM TO ASTM A924.

REVISIONS

BY

THESE DRAWINGS HAVE BEEN REVIEWED FOR CONFORMANCE WITH THE PROVISIONS OF SUBCHAPTER 17 OF DIVISION 7 OF THE CALIFORNIA BUILDING CODE (CBC) AND THE PROVISIONS OF THE CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA). THE REVIEW WAS CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA BOARD OF PROFESSIONAL ENGINEERS AND ARCHITECTS (BPEA). THE REVIEW WAS CONDUCTED BY THE ENGINEER OF RECORD, WHO IS A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF CALIFORNIA. THE REVIEW WAS CONDUCTED ON THE DATE INDICATED IN THE DATE FIELD. THE REVIEW WAS CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA BOARD OF PROFESSIONAL ENGINEERS AND ARCHITECTS (BPEA). THE REVIEW WAS CONDUCTED BY THE ENGINEER OF RECORD, WHO IS A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF CALIFORNIA. THE REVIEW WAS CONDUCTED ON THE DATE INDICATED IN THE DATE FIELD. THE REVIEW WAS CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA BOARD OF PROFESSIONAL ENGINEERS AND ARCHITECTS (BPEA). 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SPECIAL INSPECTION

A. SPECIAL INSPECTION GENERAL NOTES

1. FOOTING EXCAVATIONS COMPLETED, TRENCHES READY FOR PLACING OF REINFORCING.
2. FOOTING REINFORCING BARS IN PLACE.
3. SLAB ON GRADE REINFORCING BARS IN PLACE.
4. INSTALLATION OF NEW ANCHORS AT EXISTING CONCRETE WALL.
5. FOOTING AND SLAB CONCRETE PLACING OPERATIONS.
6. CONCRETE WALL REINFORCING IN PLACE.
7. CONCRETE WALL CONCRETE PLACING OPERATIONS.
8. STRUCTURAL STEEL COLUMN PLACEMENT.
9. STRUCTURAL STEEL ROOF FRAMING.
10. WELDING OF STEEL DECKING.
11. SUSPENDED SLAB CONCRETE PLACEMENT OPERATIONS.
12. ALL STRUCTURAL STEEL FRAMING COMPLETED BUT NOT CLOSED IN.
13. ALL STRUCTURAL WORK COMPLETED.

1. ALL SPECIAL INSPECTION SHALL BE PROVIDED IN ACCORDANCE WITH CBC SECTION 1704 AND 1705.
2. WHERE SPECIAL INSPECTION IS REQUIRED, ALL INSPECTION OR TESTING SHALL BE PROVIDED BY AN "APPROVED AGENCY" IN ACCORDANCE WITH CBC SECTION 1702.1, 1703.1 AND 1704.1
3. SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE ARCHITECT OR ENGINEER. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE ARCHITECT OR ENGINEER PRIOR TO THE COMPLETION OF THAT PHASE OF WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK.
4. SPECIAL INSPECTORS SHALL BE APPROVED BY LOCAL BUILDING OFFICIAL IN ACCORDANCE WITH CBC SECTION 1704.1
5. SEE ARCHITECTURAL DRAWINGS FOR SPRAYED FIRE-RESISTANT REQUIREMENTS.
 - A. SPECIAL INSPECTION MAY BE REQUIRED IN ACCORDANCE WITH CBC SECTION 1704.12 AND 1704.13
 - B. SPECIAL INSPECTION MAY BE REQUIRED FOR SMOKE CONTROL SYSTEMS IN ACCORDANCE WITH CBC 1704.16
6. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR SPECIAL INSPECTION REQUIREMENTS.
 - A. SPECIAL INSPECTION MAY BE REQUIRED IN ACCORDANCE WITH CBC SECTION 1707.7 AND 1708.4
 - B. SPECIAL INSPECTION MAY BE REQUIRED FOR SMOKE CONTROL SYSTEMS IN ACCORDANCE WITH CBC 1704.16
7. SEE PROJECT SOILS REPORT FOR ALL SPECIAL INSPECTION REQUIREMENTS FOR EXISTING SOILS CONDITIONS, FILL, PILEMENT AND LOAD-BEARING REQUIREMENTS.
 - A. SPECIAL INSPECTION MAY BE REQUIRED IN ACCORDANCE WITH CBC SECTION 1704.7, 1704.8, 1704.9, 1704.10 AND 1704.11
8. SEE ARCHITECTURAL DRAWINGS FOR SPECIAL INSPECTION FOR EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS), STORAGE RACKS AND ACCESS FLOORS, AND ARCHITECTURAL COMPONENTS.
 - A. SPECIAL INSPECTION MAY BE REQUIRED IN ACCORDANCE WITH CBC SECTION 1704.14, 1707.5 AND 1707.6
9. LOCAL BUILDING OFFICIALS MAY REQUIRE SPECIAL INSPECTION FOR "SPECIAL CASES" IN ACCORDANCE WITH CBC SECTION 1704.15
10. CONTRACTOR'S RESPONSIBILITY: EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAJOR SEISMIC-FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM OR A SEISMIC-RESISTING COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTION SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:
 - A. ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS.
 - B. ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL;
 - C. PROCEDURES FOR EXERCISED CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND THE DISTRIBUTION OF THE REPORTS; AND
 - D. IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.
11. SPECIAL INSPECTION MAY BE REQUIRED FOR INSTALLATION OF ANCHORS INTO HARDENED CONCRETE, AS PER APPROVED I.C.C. REPORT.

C. CONCRETE CONSTRUCTION (1)(2)

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REMARKS	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REMARKS
WELDING - STRUCTURAL STEEL (3)				1. INSPECTION OF REINFORCING STEEL PLACEMENT.		×	SEE NOTE (2)
5. COMPLETE AND PARTIAL PENETRATED GROOVE WELDS.	×			2. INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED.	×		SEE CBC SECTION 1911.5
6. MULTIPASS FILLET WELDS.	×			3. VERIFYING USE OF REQUIRED DESIGN MIX.		×	
7. SINGLE-PASS FILLET $> \frac{5}{16}$ "	×			4. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTROL TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	×		SEE NOTE (4)
8. SINGLE-PASS FILLET $\leq \frac{5}{16}$ "		×		5. INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	×		
9. FLOOR AND ROOF DECKS.		×		6. INSPECTION FOR MAINTENANCE OF CURING, TEMPERATURE & TECHNIQUES.		×	SEE NOTE (5)
NOTES:				7. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.		×	
1. SEE CBC SECTION 1704.3 AND 1707.2				8. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.		×	
2. SEE CBC TABLE 1707.3							
3. EXCEPTION FOR WELDING : THE SPECIAL INSPECTOR NEED NOT BE CONTINUOUSLY PRESENT DURING THE FOLLOWING ITEMS: PROVIDED THE MATERIALS, WELDING PROCEDURES AND QUALIFICATIONS OF WELDERS ARE VERIFIED PRIOR TO THE START OF THE WORK; PERIODIC INSPECTIONS ARE MADE OF THE WORK IN PROGRESS; AND A VISUAL INSPECTION OF ALL WELDS IS MADE PRIOR TO COMPLETION OR PRIOR TO SHIPMENT OF SHOP WELDING.							
A. SINGLE-PASS FILLET WELDS NOT EXCEEDING $\frac{5}{16}$ " IN SIZE.							
B. FLOOR AND ROOF DECK WELDING.							
C. WELDED STUDS WHEN USED FOR STRUCTURAL DIAPHRAGM.							

<p>4. THE SPECIAL INSPECTOR SHALL PERFORM AN INSPECTION OF THE STEEL FRAME TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE APPROVED CONSTRUCTION DOCUMENTS, SUCH AS BRACING, STIFFENING, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION.</p>	<p>NOTES:</p> <ol style="list-style-type: none"> 1. SEE CBC SECTION 1704.4 AND TABLE 1704.4 2. SEE CBC SECTION 1708.2 FOR SHEARWALL BOUNDARY REINFORCEMENT REQUIREMENTS. 3. SPECIAL INSPECTION NOT REQUIRED FOR 3 STORY OR LESS BLDG. SUPPORTED BY ROCK OR EARTH FOR THE FOLLOWING: <ol style="list-style-type: none"> A. ISOLATED SPREAD FOOTINGS. B. CONTINUOUS CONCRETE FOOTINGS. C. NONSTRUCTURAL CONCRETE SLAB ON GRADE. 4. TEST CYLINDERS/SPECIMENS <ol style="list-style-type: none"> A. CONCRETE STRENGTH SHALL BE VERIFIED BY STANDARD CYLINDER TESTS (IN ACCORDANCE WITH CBC SECTION 1905) MADE BY AN APPROVED TESTING LABORATORY. CONTRACTOR SHALL MAINTAIN COPIES OF TEST REPORTS AT JOB SITE AND AVAILABLE FOR REVIEW AND INSPECTION BY BUILDING OFFICIALS. MAKE 3. MINIMUM TEST CYLINDERS FOR EACH DAY'S POUR. TEST EACH BATCH OF CYLINDERS AS FOLLOWS: 1 AT 7 DAYS, AND 2 AT 28 DAYS. B. SEE ALSO REQUIREMENTS A.C.I. SECTION 5.6. 5. SEE A.C.I. 5.11 THRU 5.13
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VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REMARKS
		X	

- | | | | |
|---------|--|---|-----|
| 1. XXX. | | Λ | XXX |
|---------|--|---|-----|

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REMARKS
POXY INSTALLATION INTO HARDENED CONCRETE			CONCRETE LEFT

	X	(ICC-ES ESR-2508)
2. EPOXY INSTALLATION INTO HARDENED CONCRETE	X	HILTI HY150-SD (ICC-ES ESR-3013)

REVISIONS	BY

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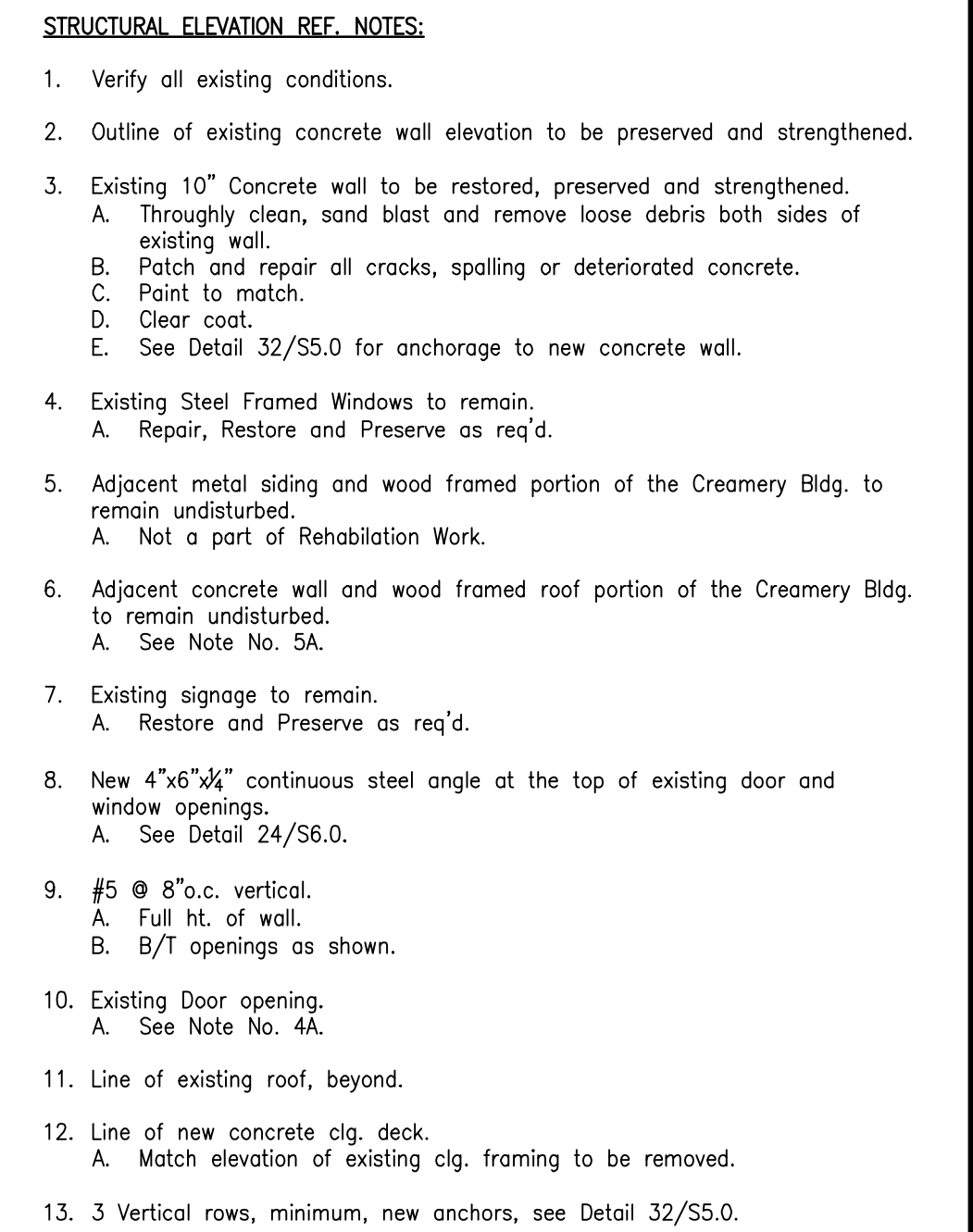
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&
ASSOC.**
A STRUCTURAL ENGINEERING CORPORATION

GENERAL
STRUCTURAL
NOTES

3 & PRESERVATION
EAMERY BLDG.
D CREAMERY ROAD
HARMONY, CA

DATE	08/29/12
SCALE	AS SHOWN
DRAWN	L & A
JOB	LA1241
SHEET	S-1.1
OF	SHEETS

DATE	08/29/12
SCALE	AS SHOWN
RAWN	L & A
JOB	LA1241
SHEET	
S-2.0	
OF	SHEETS



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



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



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

1. Verify all existing conditions.
2. Existing 10" Concrete wall to be restored, preserved and strengthened.
 - A. Shown shaded.
3. New 6½" Concrete wall.
 - A. Shown hatched.
4. Existing wood roof and clg. framing to remain undisturbed, U.O.N..
 - A. Not a part of Rehabilitation work, except as noted in Item No. 7.
5. New Ceiling Deck.
 - A. Composite Concrete slab over steel decking.
6. Existing adjacent building to remain undisturbed, U.O.N..
 - A. See Note No. 4A.

7. Remove existing clg. framing for new concrete clg. deck.
A. Shore and brace existing framing, as req'd.
8. New 4" Concrete slab.
A. Match existing elevation.
9. New steel clg. beam.
10. Existing 'Built-up' wood main roof trusses.
11. Existing corrugated metal roofing to remain.
12. Existing upper floor/loft framing to be removed as req'd.
13. New steel tube column, beyond.
14. New footing at column, beyond.
15. Existing concrete slab and foundation.
16. New 12" Concrete wall, beyond.

LAB & PRESERVATION
CREAMERY BLDG.
OLD CREAMERY ROAD
HARMONY, CA

DATE	08/29/12
SCALE	AS SHOWN
DRAWN	L & A
DB	LA1241
SHEET	
S-3.0	
OF	SHEETS



NOTES:
1. SEE FRAMING PLAN AND NOTES
DRAG STRUT

NOT USED

NOT USED



NOTES:
1. SEE FRAMING PLAN AND NOTES

NOTES:
1. SEE FRAMING PLAN AND NOTES
WALL @ CLG

NOTES:
1. SEE FRAMING PLAN AND NOTES

DECK @ CONC. WALL



NOTES:
1. SEE FRAMING PLAN AND NOTES

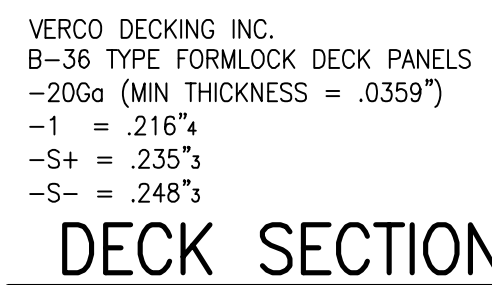
COLUMN CAP

NOTES:
1. SEE ROOF FRAMING PLAN AND NOTES

FLR DECK @ STL BM

NOTES:
1. SEE FRAMING PLAN AND NOTES

STL ANGLE LINTEL



NOTES:
1. SEE FRAMING PLANS

SLAB SECTION

NOTES:
1. SEE FRAMING PLAN AND NOTES

ANGLE SPLICE

NOTES:
1. SEE FRAMING PLAN AND
OPENING

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STRUCTURAL DETAILS

REHAB & PRESERVATION
CREAMERY BLDG.
OLD CREAMERY ROAD
HARMONY, CA

DATE	08/29/12
SCALE	AS SHOWN
DRAWN	L & A
NOB	LA1241
SHEET	
S-6.0	
OF	SHEETS