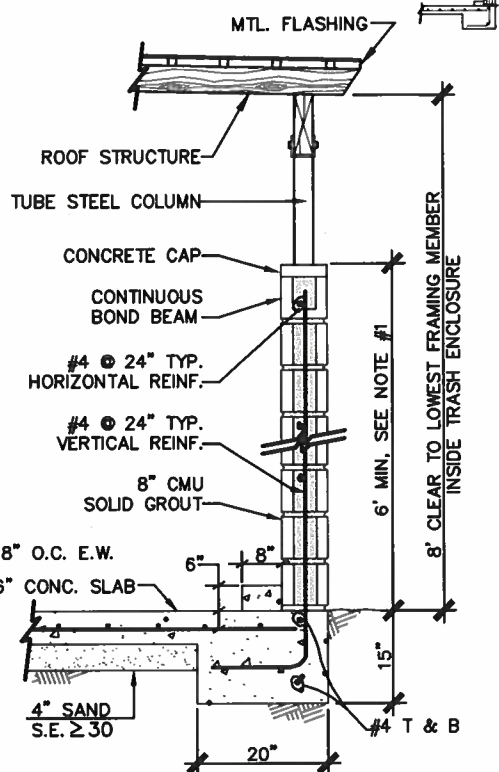
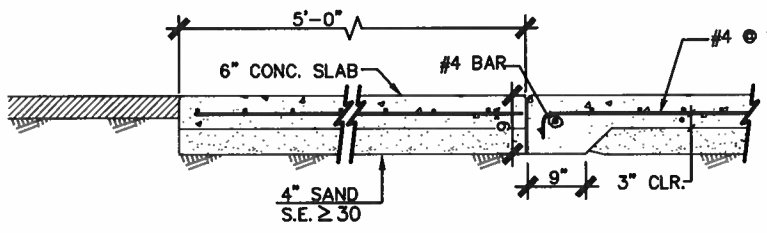


SINGLE ENCLOSURE
6" CONC. SLAB
#4 @ 18" O.C. E.W.

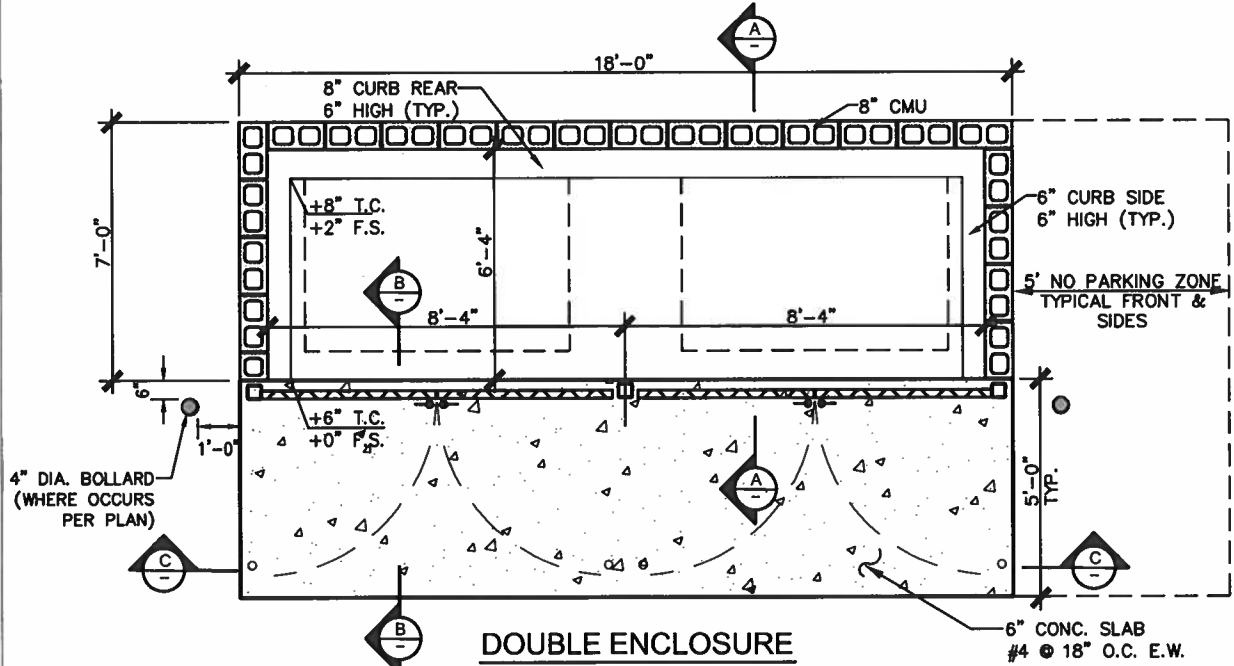
WALLS MAY HAVE TO BE EXTENDED TO THE ROOF LEVEL WHERE THE TRASH ENCLOSURE ADJOINS PROPERTY LINES OR OTHER BUILDINGS, FOR FIRE PROTECTION.



WALL FOOTING SECTION A



SLAB EDGE SECTION B



DOUBLE ENCLOSURE
6" CONC. SLAB
#4 @ 18" O.C. E.W.



TRASH ENCLOSURE STANDARD DETAILS

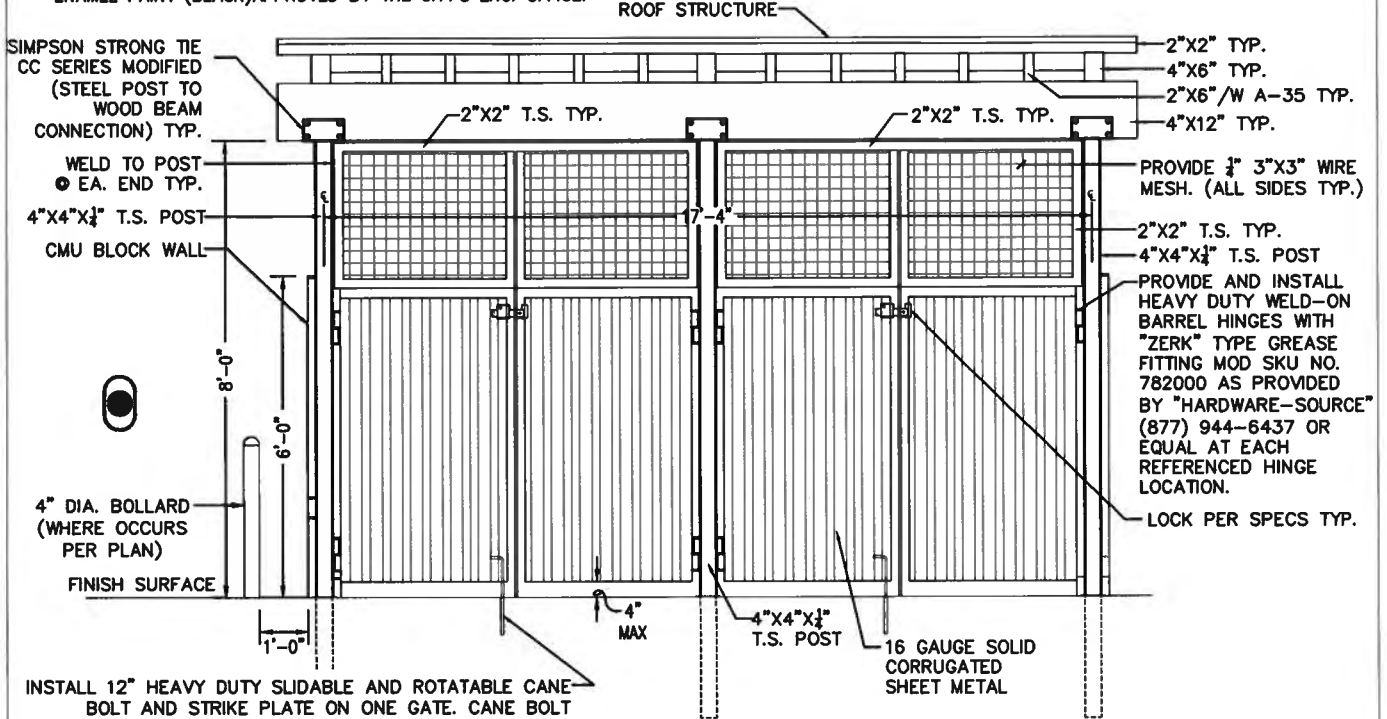
CITY OF COVINA
ENGINEERING DEPARTMENT

Approved By: <i>[Signature]</i>	Date:
Date: 4/16/22	Sheet: 1 of 4

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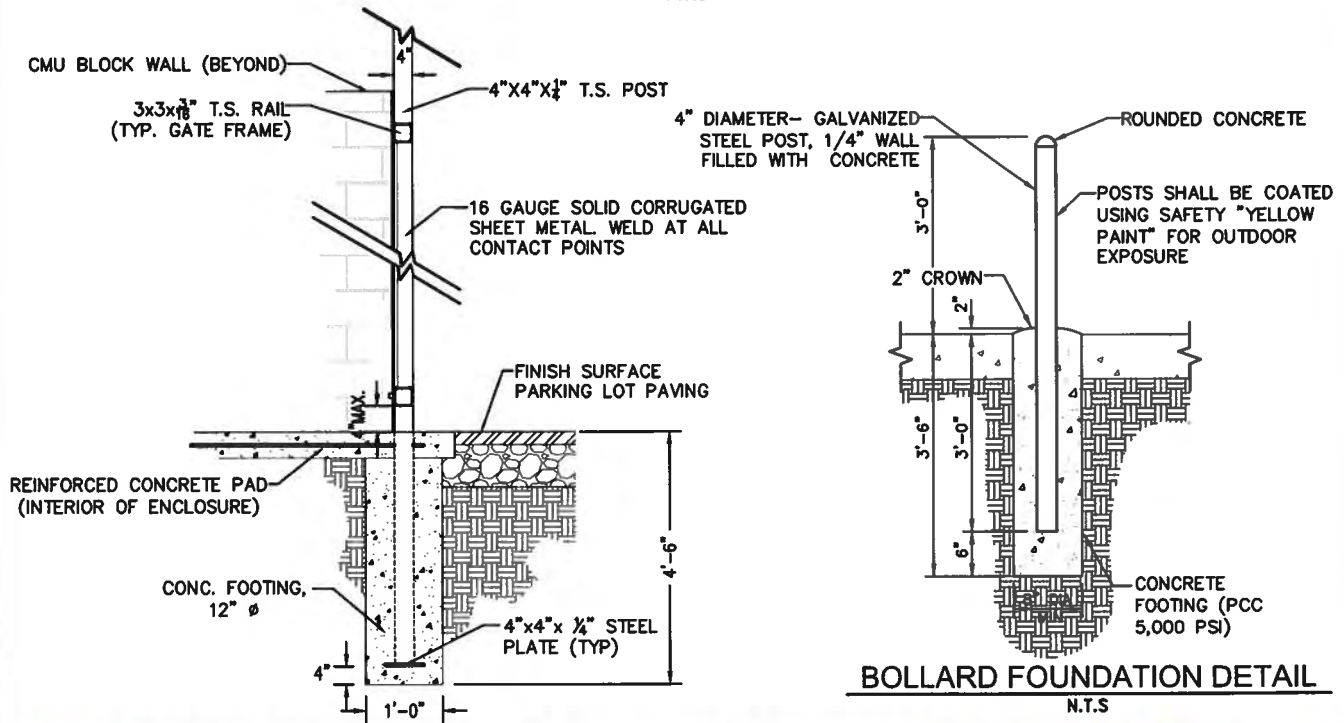
NOTE:

1. ALL EXPOSED ENDS ON POSTS OR BRACES SHALL BE CAPPED OR PERMANENTLY SEALED TO PREVENT ENTRY OF WATER. NO PLASTIC CAPS ALLOWED.
2. ALL JOINT OR CONTACTS POINTS SHALL CONSIST OF CLEAN AND NEAT FILLET WELD AROUND ENTIRE CONTACT AREA. SPOT WELDS ARE NOT ACCEPTABLE.
3. ALL T.S. FENCING, GATES, POSTS, HARDWARE AND FITTINGS SHALL HAVE ONE COAT PRIMER AND TWO FINISH COATS OF RUST AND CORROSION RESISTANT ENAMEL PAINT (BLACK) APPROVED BY THE CITY'S ENG. OFFICE.



INSTALL 12" HEAVY DUTY SLIDABLE AND ROTATABLE CANE BOLT AND STRIKE PLATE ON ONE GATE. CANE BOLT ASSEMBLY TO BE WELDED ON FRONT SIDE ON GATE. CANE BOLTED TO EXTEND 3" BELOW FINISH SURFACE

DETAIL "C"
TRASH ENCLOSURE - FRONT ELEV.
N.T.S.



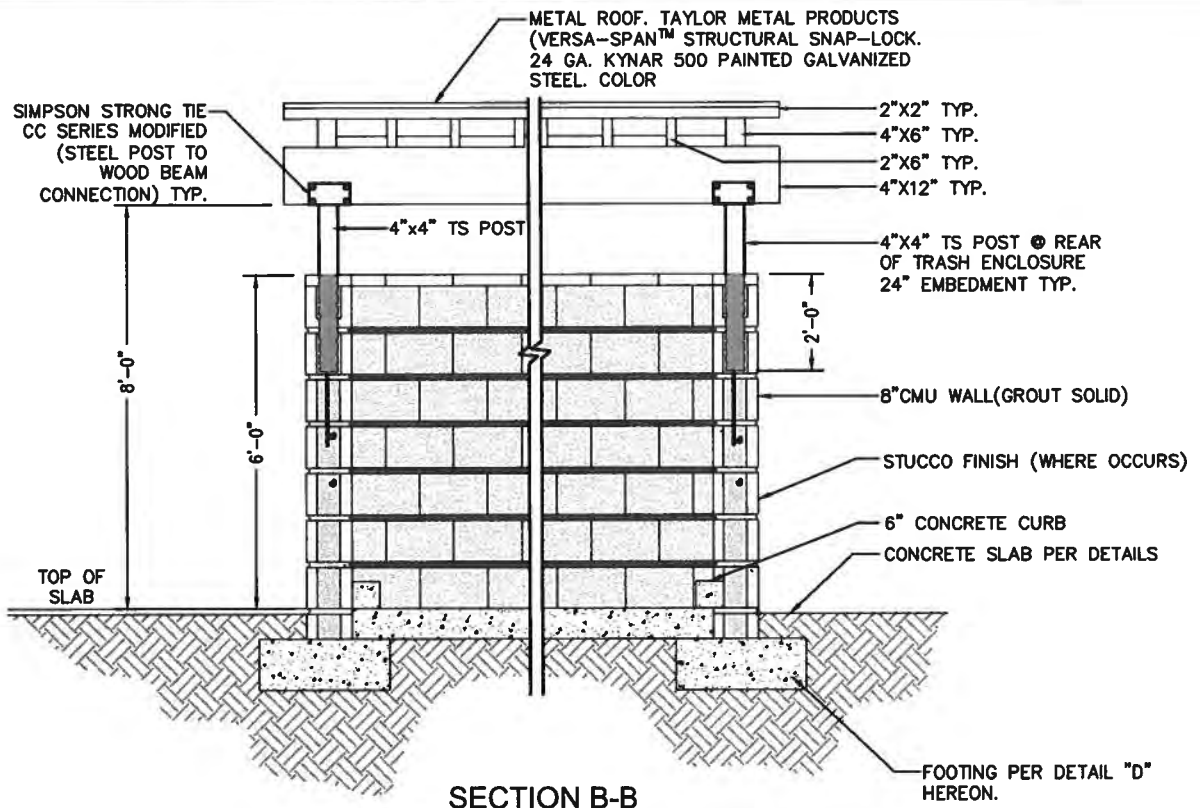
BOLLARD FOUNDATION DETAIL
N.T.S.



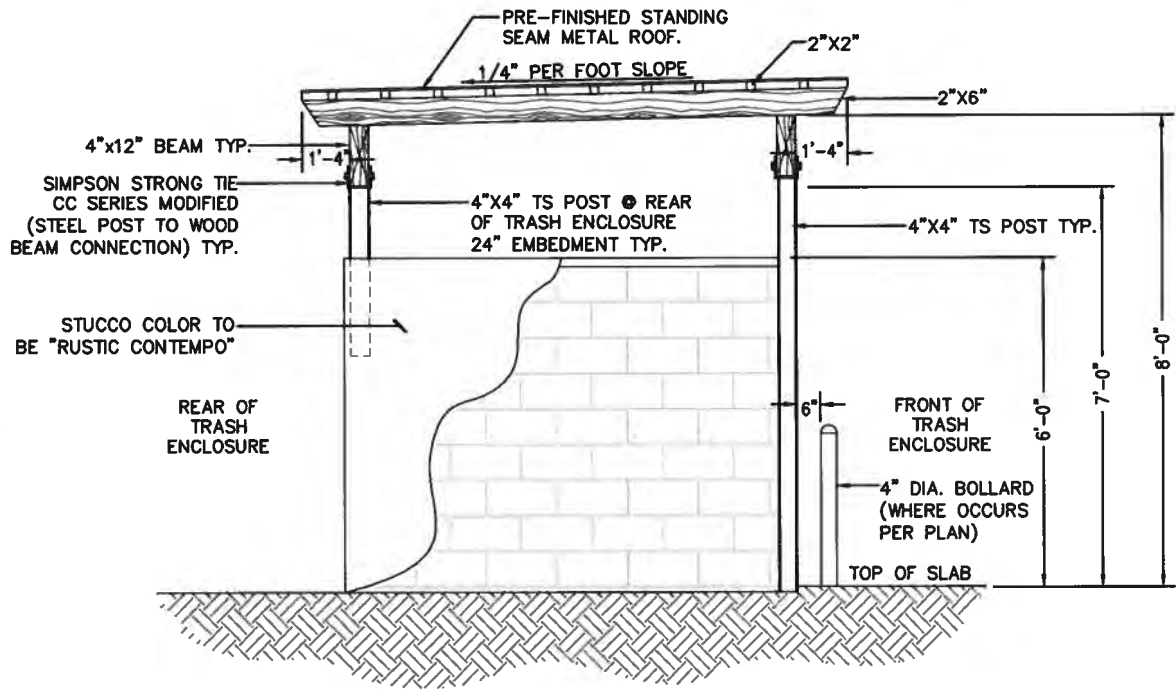
TRASH ENCLOSURE STANDARD DETAILS

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SECTION B-B
N.T.S



SECTION A-A
N.T.S

TRASH ENCLOSURE STANDARD DETAILS

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FOUNDATION

1. THE CONTRACTOR SHALL VERIFY THAT ALL FOOTINGS BEAR A MINIMUM OF 12" INTO FIRM, UNDISTURBED SOILS.
2. ALLOWABLE SOIL BEARING VALUE IS: 1,000 PSF FOR ALL FOOTINGS AND ALL FOOTINGS SHALL BARE INTO FIRM UNDISTURBED SOILS.
3. ALL EARTH CUTS OVER 5'-0" IN HEIGHT SHALL BE BRACED BY TEMPORARY SHORING OR A TWO PHASE SLOT CUT WITH MAX. 6'-0" SLOTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF TEMPORARY SHORING AND BRACING.
4. ALL GRADES AROUND THE PERIMETER OF THE STRUCTURE SHALL SLOPE AWAY FROM THE STRUCTURE TO PREVENT WATER FROM ENTERING THE BUILDING OR PONDING ADJACENT TO THE FOOTINGS.

CONCRETE

1. ALL CONCRETE UNLESS OTHERWISE SHOWN ON THE PLANS SHALL BE HARDROCK CONFORMING TO ASTM C-94, WITH A MIN. COMPRESSIVE STRENGTH AT 28 DAYS OF $F_c = 2,500$ PSI.
2. AGGREGATE FOR THE CONCRETE SHALL CONFORM TO ASTM C-33, INCLUDING APPENDIX "X1".
3. THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS FOR MIXING, PLACING, FINISHING, CURING, AND PROTECTING CONCRETE DURING UNFAVORABLE WEATHER CONDITIONS.
4. ALL REINFORCING STEEL SHALL BE NEW STOCK DEFORMED BARS CONFORMING TO ASTM A-615, GRADE 60 EXCEPT #3 BARS MAY BE GRADE 40. ALL WELDED REINF. STEEL SHALL BE ASTM-A706. ALL BARS SHALL BE FREE OF RUST, GREASE, MILL SCALE OR ANY OTHER MATERIALS WHICH MIGHT AFFECT ITS BOND TO THE CONCRETE. ALL BAR BENDS SHALL BE MADE COLD.
5. PROVIDE 3/4" CHAMFER ON ALL EXPOSED CORNERS.
6. BAR SPLICES SHALL BE LAP SPLICES W/MIN. 40 BAR DIAM. LAP W/ AN 18" MIN. (WHICHEVER IS GREATER) STAGGER LAP SPLICES OF MULTIPLE BARS, (I.E. IN CONT. FOOTING W/ 2 HORIZ. BARS TOP AND BOTTOM STAGGER TOP BAR LAP SPLICES AND STAGGER BOTTOM BAR LAP SPLICES. SPLICES DO NOT HAVE TO BE STAGGERED BETWEEN TOP AND BOTTOM BARS).
7. REINFORCING BARS SHALL HAVE THE FOLLOWING CONCRETE COVER, (UNLESS NOTED OTHERWISE IN DETAILS):

CONCRETE POURED AGAINST EARTH	3 INCHES
CONCRETE BEAMS AND COLUMNS	2 INCHES
CONCRETE SLABS ABOVE GRADE	1 INCH
8. DRYPACK SHALL BE MIXED IN THE PROPORTIONS OF 1 PART PORTLAND CEMENT TO 2-1/2 PARTS SAND WITH ENOUGH WATER TO PRODUCE STIFF MIX. DRYPACK SHALL BE THOROUGHLY TAMPED INTO PLACE TO ENSURE A DENSE FINISH, FREE OF VOIDS.
9. THE SLUMP OF THE CONCRETE SHALL BE THE MINIMUM THAT IS PRACTICABLE. WHEN VIBRATORS ARE USED TO CONSOLIDATE THE CONCRETE, THE SLUMP SHALL NOT EXCEED 4 INCHES, OTHERWISE THE SLUMP SHALL NOT EXCEED 6 INCHES.
10. ALL CONCRETE SHALL BE ADEQUATELY CONSOLIDATED DURING PLACEMENT AND ALL REINFORCING STEEL AND EMBEDDED ITEMS SHALL BE SECURELY TIED IN PLACE TO PREVENT DISPLACEMENT DURING CONCRETE PLACEMENT.
11. EXCEPT WHERE INDICATED OTHERWISE, ALL REINFORCING STEEL SHALL BE BENT AND PLACED IN ACCORDANCE WITH THE "CODE OF STANDARD PRACTICE AND THE SPECIFICATIONS FOR PLACING REINFORCING STEEL" OF THE CONCRETE REINFORCING STEEL INSTITUTE.

SPECIAL INSPECTIONS

PROVIDE SPECIAL INSPECTION BY A LICENSED DEPUTY INSPECTOR APPROVED BY THE LOCAL BUILDING OFFICIAL FOR THE FOLLOWING WORK IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 17 OF THE CALIFORNIA BUILDING CODE:

1. FOR ALL CONCRETE WITH AN F_c OVER 2,500 PSI.
2. FOR ALL REINFORCING STEEL WHICH IS PLACED IN CONCRETE WITH AN F_c OVER 2,500 PSI.
3. FOR ALL FIELD WELDING.
4. FOR ALL STRUCTURAL STEEL FABRICATED IN THE SHOP OF A FABRICATOR NOT APPROVED BY THE LOCAL BUILDING DEPARTMENT FOR FABRICATION. A FABRICATOR SHALL BE CONSIDERED "APPROVED" ONLY IF THE FABRICATOR HAS COMPLIED WITH THE REQUIREMENTS OF SECTION 1701.7 OF THE CBC.

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36 EXCEPT FOR WIDE FLANGE SHAPES WHICH SHALL CONFORM TO ASTM A-992, GRADE 50. SEE NOTE "2" BELOW FOR PIPES AND TUBE SHAPES.
2. STEEL PIPE SHALL CONFORM TO ASTM A-53, GRADE "B" AND TUBULAR STEEL MEMBERS SHALL CONFORM TO ASTM A-500, GRADE "B".
3. ALL WELDING SHALL BE PERFORMED WITH E70XX ELECTRODES CONFORMING TO AWS D1.1, LATEST EDITION. PROVIDE BACKING PLATES AS REQUIRED FOR FULL PENETRATION WELDS.
4. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE "SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS BY THE A.I.S.C., LATEST EDITION.
5. ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS IN THE SHOP OF A FABRICATOR APPROVED BY THE LOCAL BUILDING DEPARTMENT FOR WELDING IN THE SHOP. FOR SHOPS NOT APPROVED, WELDING SHALL BE CONTINUOUSLY INSPECTED BY A LICENSED DEPUTY INSPECTOR PER SECTION 1704.2.5 OF THE CBC.
6. CONTINUOUS INSPECTION BY A LICENSED DEPUTY INSPECTOR IS REQUIRED FOR ALL FIELD WELDING PER SEC. 1705.2 OF THE CBC, EXCEPT MINOR ITEMS WHEN APPROVED BY THE ENGINEER AND BUILDING INSPECTOR.
7. ALL FABRICATED ITEMS SHALL BE SHOP PAINTED WITH ONE COAT OF SHOP PRIMER EXCEPT FOR ITEMS ENCASED IN CONCRETE AND SURFACES TO BE WELDED. STEEL SURFACES ENCASED IN CONCRETE SHALL BE LEFT UNPAINTED, BUT FREE FROM RUST, OIL, OR OTHER DELETERIOUS MATERIALS WHEN ENCASED.
8. BOLT HOLES SHALL BE 1/16 INCH LARGER THAN BOLT DIAMETER UNLESS SLOTTED HOLES ARE INDICATED IN DETAILS. BOLT HOLES SHALL BE PUNCHED OR DRILLED, BURNED HOLES ARE NOT PERMITTED.
9. BOLT HEADS OR NUTS BEARING ON SLOPING SURFACES SHALL BE EQUIPPED WITH BEVELED WASHERS.
10. MACHINE BOLTS SHALL CONFORM TO ASTM A-307 AND ANCHOR BOLTS TO ASTM A-307 UNLESS OTHERWISE NOTED ON PLANS.

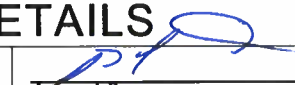
MASONRY

1. ALL CONCRETE BLOCKS SHALL BE GRADE "M" MEDIUM WEIGHT UNITS CONFORMING TO ASTM C-90, AND SHALL HAVE A NET AREA COMPRESSIVE STRENGTH OF 2,000 PSI (CBC 2105A.2)
2. REINFORCING STEEL FOR MASONRY WORK SHALL BE DEFORMED AND SHALL CONFORM TO ASTM A-615, GRADE 60. ALL REINFORCING STEEL SHALL BE POSITIONED AS INDICATED ON PLANS. LAP SPLICES OF REINFORCING STEEL IN MASONRY SHALL BE 40 BAR DIAMETERS WITH A MIN. OF 18 INCHES, WHICHEVER IS GREATER. WHEN ADJACENT SPLICES ARE SEPARATED BY 3 INCHES OR LESS, (I.E. 2 BARS IN 8" CMU), THE LAP LENGTH SHALL BE INCREASED TO 80 BAR DIAMETERS, UNLESS THE LAP SPLICES ARE STAGGERED AT LEAST 24 BAR DIA. OR SPECIFIC LAP LENGTHS ARE SHOWN ELSEWHERE ON PLANS.
3. ALL MASONRY WORK SHALL CONFORM TO CHAPTER 21 OF THE 2019 CALIFORNIA BUILDING CODE.
4. GROUT SHALL CONFORM TO TABLE 2103.3 OF THE CBC AND ASTM C476, TABLE 1, AND SHALL HAVE A MIN. COMPRESSIVE STRENGTH AT 28 DAYS OF 2,000 PSI. GROUT SHALL BE PROPERLY CONSOLIDATED BY MEANS OF MECHANICAL VIBRATORS. ALL REINFORCING STEEL AND EMBEDDED ITEMS SHALL BE PROPERLY SECURED IN POSITION PRIOR TO GROUTING.
5. PROVIDE VERTICAL DOWELS WITH STANDARD HOOKS AT BOTTOM FROM ALL FOOTINGS WITH SIZE AND SPACING TO MATCH VERTICAL MASONRY REINFORCING, UNLESS OTHERWISE NOTED IN PLANS.
6. PROVIDE 2-#5 VERTICAL, FULL HEIGHT, AT SIDES OF ALL OPENINGS, ENDS OF ALL WALLS, AND CORNERS, UNLESS OTHERWISE NOTED.
7. PROVIDE 2-#5 AT BOTTOM OF ALL LINTELS W/ A MIN. OF INCH EXTENSION PAST SIDE OF OPENING, UNLESS OTHERWISE NOTED ON PLANS OR DETAILS. USE 2-#4 CONT. HORIZ. # TOP OF ALL SILLS.
8. VERTICAL REINFORCING SHALL BE LOCATED AT THE CENTER OF THE WALL UNLESS OTHERWISE NOTED IN DETAILS AND SHALL BE HELD IN POSITION AT INTERVALS NOT EXCEEDING 6'-0".
9. ALL HORIZONTAL STEEL SHALL BE IN LINTEL OR CHANNEL BLOCKS.
10. UNLESS OTHERWISE INDICATED ALL EXTERIOR JOINTS SHALL BE 3/8" TOOLED CONCAVE, AND INTERIOR JOINTS SHALL BE STRUCK FLUSH AND SACKED.
11. NO PIPING OTHER THAN CONDUIT SHALL BE EMBEDDED IN THE MASONRY UNLESS APPROVED BY THE ENGINEER.
12. MASONRY UNITS SHALL BE LAID IN A "RUNNING" BOND. "STACK" BOND SHALL BE USED ONLY WITH THE APPROVAL OF THE ENGINEER.



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