



- CONCRETE
1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (F'c) AT 28 DAYS OF 3000 PSI
 2. REINFORCING STEEL SHALL HAVE A MINIMUM YIELD STRENGTH (Fy) OF 60 KSI AND MEET ASTM SPECIFICATION A615
- MASONRY
1. MASONRY DESIGN IS BASED UPON A MINIMUM COMPRESSIVE STRENGTH OF Fm = 1500 PSI
 2. CONCRETE MASONRY UNITS SHALL MEET THE REQUIREMENTS OF ASTM C90 WITH A NET AREA COMPRESSIVE STRENGTH OF 1900 PSI U.N.O. MASONRY UNITS SHALL BE LIGHT WEIGHT LESS THAN 105 PCF OR NORMAL WEIGHT (MORE THAN 125 PCF), 4" CALY MASONRY UNITS SHALL MEET ASTM SPECIFICATION C16, GRADE SW TYPE FBX OR BETTER. 8" CALY MASONRY UNITS SHALL MEET ASTM SPECIFICATION C16, GRADE SW TYPE FBX OR BETTER.
 3. MORTAR SHALL BE PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM C270 FOR TYPE "S" MORTAR.
 4. GROUT SHALL MEET A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AT 28 DAYS.
 5. BATCHING AND MIXING SHALL MEET THE REQUIREMENTS OF ASTM C176.
 6. PROVIDE CORNER BARS THAT MATCH THE CONTIGUOUS REINFORCEMENT SIZE AND QUANTITY AT INTERSECTIONS AND CORNERS OF WALLS AND FOOTINGS.
 7. USE LOW LIFT METHOD OF GROUTING. MAX GROUT POUR HEIGHT 3'-0".
 8. 4" FIRE BRICK SHALL BE HIGH TEMPERATURE INSULATING FIRE BRICK.
- METAL DECK
1. STEEL DECK SHALL BE TENSIFORM TYPE 206 AS MANUFACTURED BY WHEELING CORRUGATING COMPANY OR EQUAL FULFILLING CONFORMING TO ASTM A653 SS GRADE 80 MINIMUM 80 KSI YIELD.
 2. STEEL SHALL BE GALVANIZED IN ACCORDANCE TO ASTM A924 G60.

A404

Sheet Title
OVEN SECTIONS
AND DETAILS

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