

**G.U.S.C. OF THE CITY OF BESSEMER, ALABAMA  
WATER TREATMENT PLANT IMPROVEMENTS  
CHEMICAL/SHOP BUILDING MODIFICATIONS  
AND NEW MAINTENANCE BUILDING**

**ADDENDUM TO THE PLANS AND SPECIFICATION-CONTRACTUAL DOCUMENTS**

**ADDENDUM NO. 2**

**TO: ALL PROSPECTIVE CONTRACTORS AND SUPPLIERS**

The changes, modifications, clarifications and/or additions covered by and set forth in this **Addendum No. 2** shall become part of and be incorporated into the Specifications, Contract Documents, Bid Documents, and Plans for the above referenced project. The Contractor shall include this Addendum, as well as any previous and subsequent addenda that may be issued, with his proposal Bid Documents as indicating his receipt and acceptance of its terms, requirements and clarifications.

The Contractor shall also acknowledge receipt of this addendum on page **BD-13** of the Specifications-Contractual Documents.

**DRAWINGS:**

1. Re: Sheet 6A  
Revision: The vertical masonry wall control joint shown in the South Elevation view shall be shifted to mid-distance along the wall and be full height of the building.
2. Re: Sheet 7A  
Revision: A vertical masonry wall control joint is required on both the East and West Elevation views at mid-distance along the walls.
3. Re: Sheet 10, structural footing/slab detail in upper right hand corner of Sheet 10  
Clarification: The rebar for the top/floor slab shall be one mat and it shall be #5 Bars @ 8" O.C., E.W. (not E.F.) except at the thickened part of the slab over the footing wall there shall be additional #5 bent bars @ 8" O.C. near the bottom of the slab as shown in the detail. The horizontal rebar in the footing wall shall be 3 #5 Bars E.F. for the full perimeter.
4. Re: Sheet 12A - Typical Wall Section Detail, Sheet 13 - Roof Detail  
Clarification: The general vertical reinforcing requirement for all masonry walls is: One #6 Bar @ 24" O.C. centered in the CMU. Two vertical rebar are required in block cells at specific locations shown in the Drawings (e.g. at door jambs, wall openings, etc.).  
Revision: Add a note that points to the top course of masonry on Sheet 12A and Sheet 13 and also points to the course of masonry where the roof trusses bear on sheet 12A that

reads: **THIS COURSE OF MASONRY BLOCK SHALL BE CONCRETE-FILLED, FULL PERIMETER OF BUILDING. CONCRETE-FILLED, STANDARD 8" OPEN-BOTTOM U-BLOCK/ LINTEL BLOCK ARE REQUIRED FOR THIS COURSE AT LOCATIONS OF VERTICAL REBAR/CONCRETE FILL. PROVIDE HOT-DIPPED GALV. METAL MESH BENEATH THE CELL THAT HAS NO VERTICAL REBAR/CONCRETE FILL. CONCRETE-FILLED STANDARD U-BLOCK MAY BE USED AT OTHER LOCATIONS IN THIS COURSE WHERE NEITHER CELL BELOW THE U-BLOCK HAS VERTICAL REBAR/CONCRETE FILL. PROVIDE TWO #5 REBAR AS CONTINUOUS HORIZONTAL REINFORCING IN THIS MASONRY COURSE FULL PERIMETER (30" MIN. LAP SPLICES). PROVIDE #5 CORNER BARS (30" x 30") AT EACH CORNER.**

5. Re: Sheet 16, TYPICAL REINF. AT MASONRY WALL OPENINGS detail  
Revision: Replace this detail with the attached detail for **"TYPICAL REINF. AT MASONRY WALL OPENINGS"**
6. Re: Sheet 18  
Addition: Add the attached detail named **"ROLL-UP DOOR - JAMB PROTECTION DETAIL"** to Sheet 18. This detail applies to the required jamb protection at both the roll-up doors (D1 and D6) at the New Maintenance Building.
7. Re: Sheet 24  
Add the following note to Sheet 24: **THE EXISTING CHLORINE GAS TON CONTAINERS ARE OWNED BY HARCROS CHEMICALS, INC. (DEBRA SALEMI, 205-424-6126) AND HARCROS CHEMICALS WILL RETAIN OWNERSHIP OF THESE TON CONTAINERS. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ENSURING PROPER COORDINATION WITH HARCROS CHEMICALS (AND THE ENGINEER AND OWNER) WELL IN ADVANCE REGARDING THE CONTRACTOR'S SCHEDULE FOR INITIATING THE DEMOLITION WORK REQUIRED IN THE EXISTING CHLORINE TON CONTAINER STORAGE ROOM SO THAT HARCROS CHEMICALS CAN PICK-UP THE TON CONTAINERS AT THE APPROPRIATE TIME. THE TON CONTAINERS CANNOT BE REMOVED FROM SERVICE UNTIL THE TEPID WATER SYSTEM, THE EMERGENCY EYEWASH/SHOWER STATIONS, AND THE LIQUID BLEACH SYSTEM HAVE BEEN FULLY STARTED-UP, ARE TROUBLE-FREE, AND HAVE BEEN APPROVED FOR FULL-TIME OPERATION. SEE CONSTRUCTION SEQUENCING NOTES ON SHEET 25.**
8. Re: Sheet 28  
Inside the existing Chlorine Feed Room, delete the note that reads: **"NOTE: AFTER THE NEW CHEMICAL BUILDING IS OPERATIONAL AND THE OWNER & ENGINEER APPROVE THE SCHEDULE FOR RELOCATION OF EQUIPMENT,...REINSTALL AND MAKE FULLY OPERATIONAL. MUST BE FULLY OPERATIONAL WITHIN 24 HOURS."**

TWO COURSE, MASONRY BOND BEAM REQUIRED ABOVE STEEL LINTEL (EXCEPT USE SINGLE COURSE BOND BEAM WHEN TOP OF OPENING IS LOCATED WITHIN 40" OF THE BOND BEAM WHERE THE ROOF TRUSSES ARE ANCHORED). FIRST COURSE TO BE CONCRETE-FILLED, OPEN BOTTOM U-BLOCK/LINTEL BLOCK WITH TWO #5 REBAR IN BOTTOM. PROVIDE HOT-DIPPED GALV. MESH UNDER BOND BEAM AT LOCATIONS WHERE CELLS BELOW HAVE NO VERTICAL REBAR AND ARE NOT TO BE FILLED WITH GROUT/CONCRETE. SECOND COURSE TO BE CONCRETE-FILLED, OPEN BOTTOM U-BLOCK/LINTEL BLOCK WITH TWO #5 REBAR NEAR TOP. FOR OPENINGS LESS THAN OR EQUAL TO 6 FT WIDE, EXTEND BOND BEAM HORIZONTALLY TO THE FIRST VERTICALLY REINFORCED CELL "COLUMN" BEYOND END OF STEEL LINTEL, EACH END. FOR OPENINGS GREATER THAN 6 FT. WIDE, EXTEND BOND BEAM HORIZONTALLY TO THE SECOND VERTICALLY REINFORCED CELL "COLUMN" LOCATED BEYOND END OF STEEL LINTEL AS SHOWN, EACH END.

WALL REINFORCING (WITH ACI HOOK) AT SPECIFIED SPACING. PROVIDE SEPARATE DOWEL WITH ACI HOOK AS REQUIRED BASED ON OVERALL HEIGHT OF WALL ABOVE

SEE SCHEDULES AND TYP. LINTEL DETAILS. STEEL LINTEL TO BE HOT-DIPPED GALV. OR PRIMED AND PAINTED PER SPECS BEFORE INSTALLATION. TOUCH-UP AS REQUIRED AFTER INSTALLATION.

TWO 5/8" DIA. STEEL STUDS WELDED TO STEEL LINTEL EACH END.

TWO #6 VERT. IN SECOND ADJACENT CELL EACH SIDE OF OPENING - FROM FOOTING WALL TO BOND BEAM AT ROOF

TWO #6 VERT. IN FIRST CELL EA. SIDE OF OPENING - FROM FOOTING WALL TO UNDERSIDE OF STEEL LINTEL BEARING PLATE

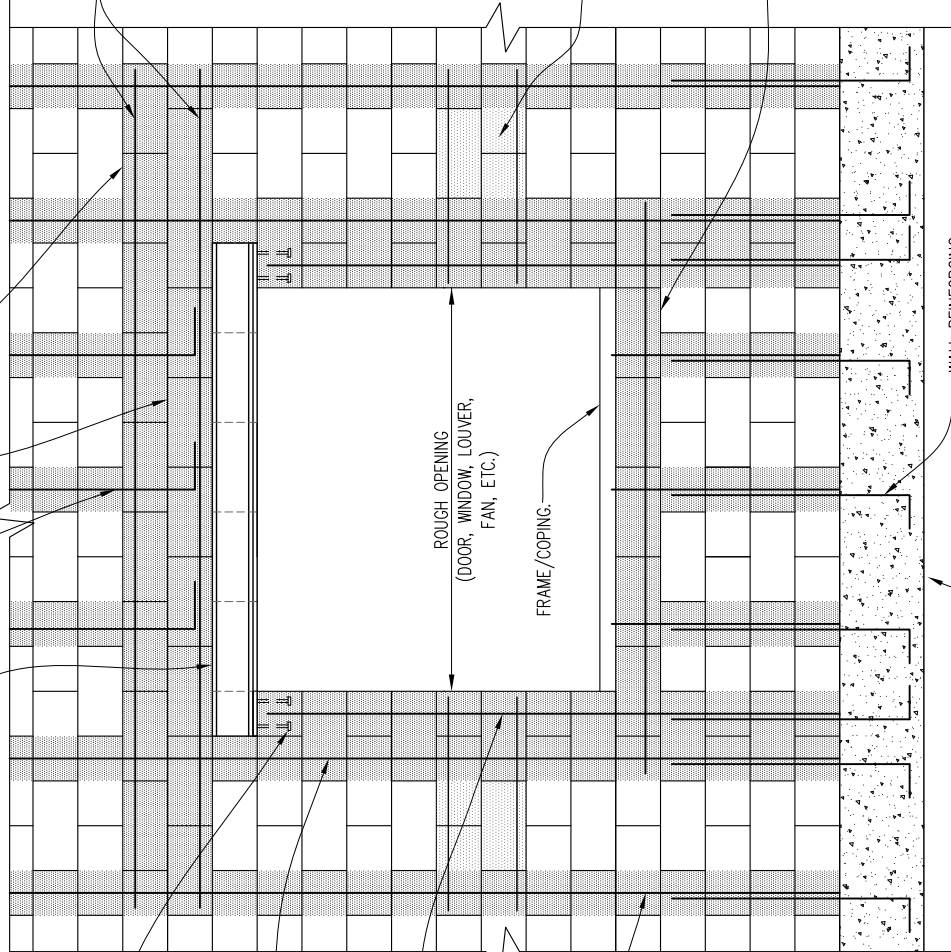
#6 VERT. @ 24" O.C. MAX. IN CONCRETE/GROUT-FILLED CELLS (TYP. WALL REINF. AS SHOWN IN SECTIONS)

TWO #5 HORIZONTAL REBAR, TOP & BOTTOM OF DOUBLE COURSE BOND BEAM

GENERAL MASONRY WALL NOTES:  
 1. THE THREE CMU CELLS AT EACH CORNER OF THE BUILDING SHALL BE CONCRETE FILLED AND VERTICALLY REINFORCED WITH A #6 REBAR FULL HEIGHT OF BUILDING SIMILAR TO OTHER REINFORCED CELLS.  
 2. THE CELLS ON EACH SIDE OF A MASONRY WALL VERTICALLY REINFORCED WITH A #6 REBAR FULL HEIGHT OF BUILDING SIMILAR TO OTHER REINFORCED CELLS.  
 3. UTILIZE REBAR POSITIONERS AS RECOMMENDED AND MANUFACTURED BY HOHMANN AND BARNARD, INC.  
 4. INSTALL HORIZONTAL JOINT REINFORCEMENT AND WALL TIES IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. IN ADDITION, ENSURE HORIZONTAL JOINT REINFORCEMENT IS PLACED BETWEEN THE FIRST 3 BLOCK COURSES ABOVE AND BELOW WALL OPENINGS AND EXTENDS 24" MIN. PAST THE EDGE OF THE OPENING EACH WAY.

FOR OPENINGS WIDER THAN 7 FT AND TALLER THAN 7 FT, PROVIDE ADDITIONAL DOUBLE COURSE BOND BEAM W/TWO #5 HORIZONTAL REBAR T&B (SIMILAR TO OTHER BOND BEAMS) EACH SIDE OF OPENING AT MID-HEIGHT OF OPENING.

PROVIDE BOND BEAM BENEATH ELEVATED OPENINGS. BOND BEAM SHALL BE CONCRETE-FILLED, OPEN BOTTOM LINTEL BLOCK WITH TWO #5 HORIZONTAL REBAR. PROVIDE HOT-DIPPED GALV. MESH UNDER BOND BEAM AT LOCATIONS WHERE VERTICAL CELLS BELOW HAVE NO REBAR AND ARE NOT TO BE CONCRETE/GROUT FILLED. FOR OPENINGS ELEVATED MORE THAN 10' A.F.F., PROVIDE DOUBLE COURSE BOND BEAM WITH TWO ADDITIONAL #5 HORIZONTAL REBAR. EXTEND DOUBLE COURSE BOND BEAM HORIZONTALLY TO THE THIRD CONCRETE-FILLED VERTICAL CELL "COLUMN" LOCATED EACH SIDE OF OPENING.

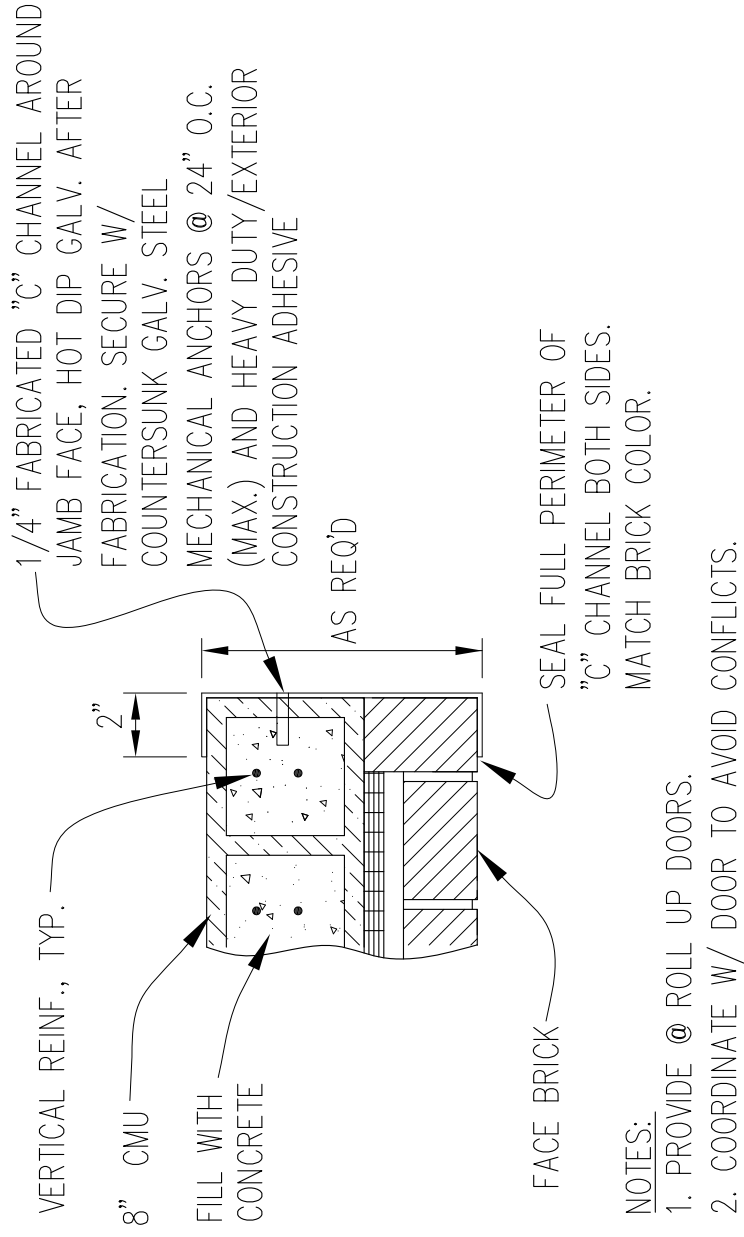


WALL REINFORCING AT SPECIFIED SPACING.

FOOTING REINF. AND EXTENTS OF FOOTING NOT SHOWN FOR CLARITY

## TYPICAL REINF. AT MASONRY WALL OPENINGS

SCALE: N.T.S.



- NOTES:
1. PROVIDE @ ROLL UP DOORS.
  2. COORDINATE W/ DOOR TO AVOID CONFLICTS.

# ROLL-UP DOOR - JAMB PROTECTION DETAIL

SCALE: N.T.S.