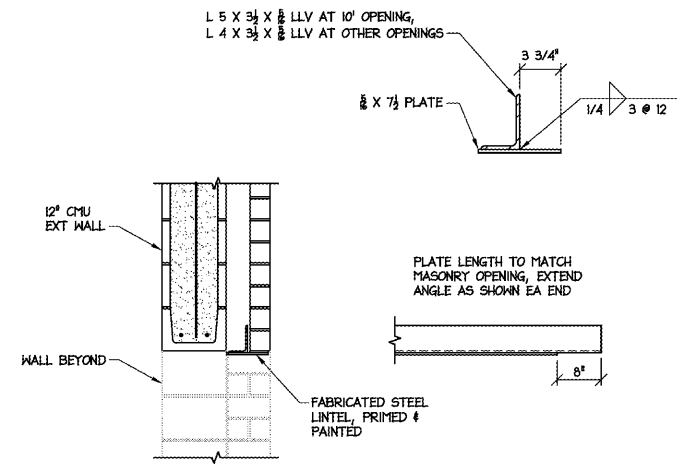


GENERAL NOTES:

- A. GENERAL**
- See specifications for further information. In case of conflict between specifications & drawings, contact architect for resolution.
 - Contractor is responsible for coordination & distribution of all changes in contract documents to all subcontractors.
 - Contractor shall verify all field conditions, elevations, & dimensions prior to construction. Do not scale from plans.
 - Means & methods of construction, including temporary bracing, shoring, & jobsite safety, are the responsibility of the contractor.
 - Structural frame shall be braced until erection is complete & permanent connections & bracing are installed.
 - Provide silt fence or other erosion & sediment control measures as required.
 - If demolition is included in project, sawcut all edges of existing slab and asphalt to remain adjacent to new construction.
- B. FOUNDATION**
- Footing excavations shall be reviewed by a geotechnical engineer or construction testing agency approved by the architect or engineer.
 - Footing depths shown are based on geotechnical investigation or presumptive soil properties. Soft or unsuitable soils shall be removed & replaced with suitable fill as specified.
 - Under slabs & footings, remove all topsoil, trash, & organic material, & replace with select fill compacted to 95% maximum density as measured by the Standard Proctor Method (ASTM 698) in 8 inch maximum lifts. The top 12" shall be compacted to 98% maximum density.
 - Contractor is responsible for shoring while excavating near existing structures.
 - Remove existing construction, including foundations, as indicated on architectural plans and replace w/ compacted fill for new construction.

- C. CONCRETE**
- Compressive strength of concrete shall be 3000 psi for footings & 4000 psi for walls and slabs, unless otherwise noted.
 - Coordinate floor slopes and depressions with arch and plumbing plans. Maintain specified slab thickness below depressed or sloped areas.
 - If not specified on plans, provide sawed slab control joints in slabs on grade spaced at not more than 48 times the slab thickness.
 - Reinforcing steel shall meet ASTM A 615, Grade 60.
 - Welded wire reinforcement shall conform to ASTM A 185 & A 82.
 - Grout under all columns & beam bearing plates with non-shrink, non-metallic grout which meets ASTM C 1107.
 - Clear distance from face of concrete to main reinforcing:
 - Suspended slabs and joists: 1"
 - Grade beams, pedestals, columns, walls: 2"
 - Footings & walls cast against earth: 3"
 - Provide (2) #4 x 48" diagonal corner bars at center of slab at all corners of floor slab openings.
 - Lap all reinforcement splices 48 bar diameters, UON.
 - Detailing, fabrication, & installation of reinforcing steel shall conform to ACI "Manual of Standard Practice for Detailing Reinforced Concrete Structures" (ACI 315).
 - Workmanship, tolerances, & concrete placement shall conform to "Standard Specifications for Structural Concrete" (ACI 301).
 - Chamfer exposed edges of concrete 3/4", UON.
 - Anchor bolts shall conform to ASTM F 1554, Grade 36.
 - See architectural plans for floor finishes. Coordinate slab curing & sealing compounds with flooring materials.

- D. STRUCTURAL STEEL**
- Structural steel shall conform to ASTM A 572 except: round pipe shall be A 53, Grade B; square and rectangular tube shall be A 500, Grade B; and misc metals for minor components may be ASTM A 36.
 - Steel construction shall conform to "Manual of Steel Construction, Allowable Stress Design," Ninth Edition.
 - Connection bolts shall be 3/4" ASTM A 325, UON. If connection loads not specified, design for loads shown in AISC beam span tables. Assume bearing type connections with threads included in the shear plane.
 - Cutting of structural members shall have all re-entrant corners shaped & notch free to a minimum 1/2" radius.
 - Unless otherwise designed by fabricator, weld material shall be E70XX.
 - See architectural & other drawings for miscellaneous steel not shown on structural plans.
 - Provide cap plate top of all tube & pipe columns, UON.
 - All field welds shall be cleaned & painted with a rust inhibiting paint compatible with the shop coat.
 - Beams & lintels shall bear 8" minimum on masonry, UON.
- E. MASONRY**
- Unless otherwise shown, provide control joints in concrete masonry walls at approx 20' OC, & brick expansion joints at approx 40' OC. Coord w/ architect.
 - Use preformed neoprene gasket material at all CMU control joints.
 - Grout all reinforced cells w/ 2000 psi grout meeting ASTM C 476. Compact grout by mechanical vibration and recompact by mechanical vibration after initial water loss and settlement has occurred.
 - Masonry shall be laid in running bond with type mortar.
 - Reinforce all CMU walls with staggered type steel reinforcement @ 16" OC vertically unless otherwise specified.

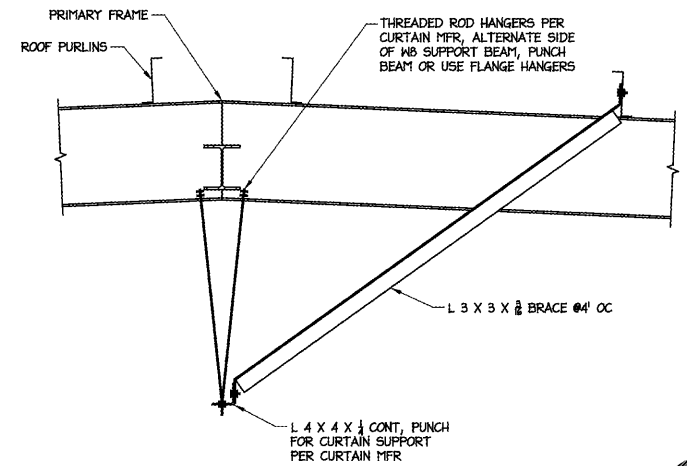


8 LINTEL AT CMU VENEER SCALE: 3/4" = 1'-0"

| MASONRY LINTEL SCHEDULE | | |
|---|-----------------------------------|-------------|
| OPENING | STEEL LINTEL | MIN BEARING |
| 0'-0" TO 1'-4" | PLATE 3/8 X 3-1/2 | 8" |
| 1'-4" TO 4'-0" | L 3-1/2 X 3 1/2 X 5/16 | 8" |
| 4'-0" TO 6'-0" | L 4 X 3 1/2 X 5/16 LLV | 8" |
| 6'-0" TO 8'-0" | L 5 X 3 1/2 X 5/16 LLV | 8" |
| SIZES ABOVE ARE PER 4" OF WALL THICKNESS | | |
| OPENING | CMU LINTEL | MIN BEARING |
| 0'-0" TO 1'-4" | 8" LINTEL W/ (2) #4 BOTTOM | 8" |
| 1'-4" TO 4'-0" | 8" LINTEL W/ (2) #5 BOTTOM | 8" |
| 4'-0" TO 6'-0" | 8" LINTEL W/ (2) #5 TOP & BOTTOM | 8" |
| 6'-0" TO 8'-0" | 16" LINTEL W/ (2) #5 TOP & BOTTOM | 8" |
| FOR 10" OR 12" CMU WALL THICKNESS, ADD ANOTHER BAR IN ADDITION TO REIN. SHOWN | | |

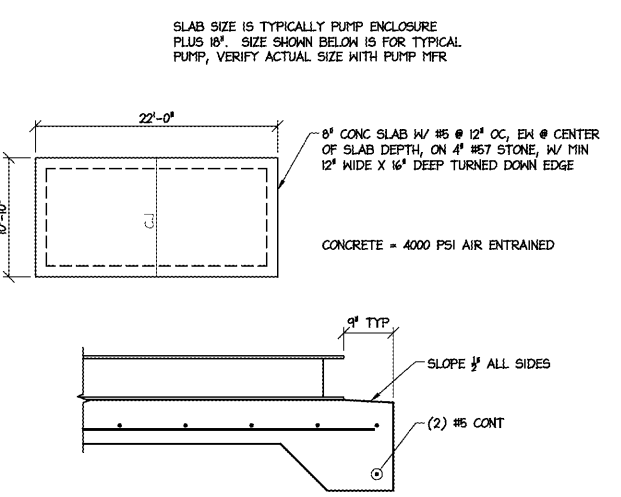
- COORDINATE LINTEL SIZES & LOCATIONS W/ ARCHITECTURAL & MECHANICAL FINISHES. ALL MECHANICAL OPENINGS SHALL BE PROVIDED W/ LINTELS AS SPECIFIED HEREIN.
- CMU LINTEL SHALL BE MINIMUM DEPTH INDICATED & FILLED W/ 3000 PSI GROUT.
- SEE ARCHITECTURAL PLANS FOR REQUIRED CLOSURE PLATES UNDER STEEL LINTELS.
- PROVIDE DOWEL W/ STD HOOK TO MATCH VERT WALL REINF AT CMU LINTELS. WHERE VERT WALL REINF OCCURS AT STEEL LINTEL, WELD VERT DOWEL TO LINTEL.
- THIS SCHEDULE APPLIES TO LINTELS NOT SPECIFIED ON PLANS. LINTEL SIZES SHOWN ON PLANS TAKE PRECEDENCE OVER SIZES SPECIFIED ABOVE.

7 BOLLARD AT COLUMN FOOTING SCALE: 3/4" = 1'-0"

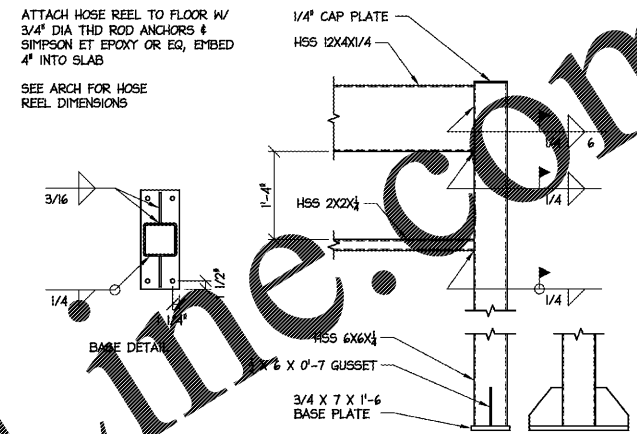


6 CURTAIN SUPPORT FRAMING SCALE: 3/4" = 1'-0"

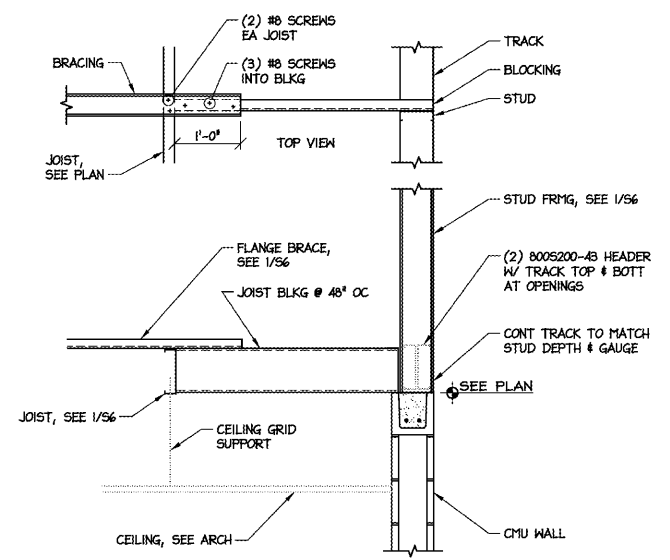
5 INTERIOR WALL AT ROOF SCALE: 3/4" = 1'-0"



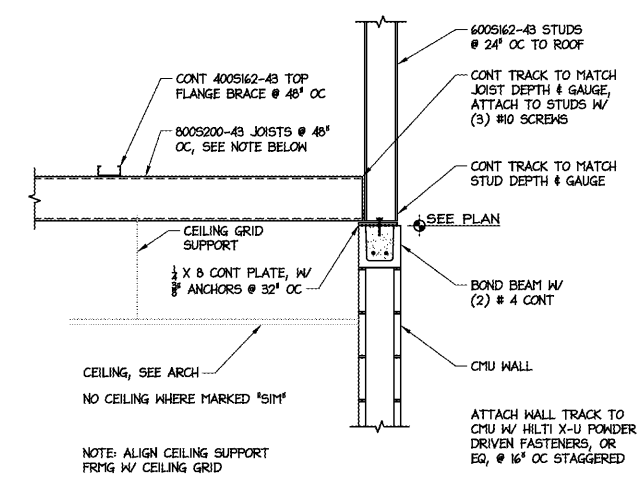
4 FIRE PUMP SLAB SCALE: 1/8" = 1'-0"



3 HOSE REEL DETAILS SCALE: 3/4" = 1'-0"



2 CEILING SUPPORT FRAMING SCALE: 3/4" = 1'-0"



1 CEILING SUPPORT & WALL FRMG SCALE: 3/4" = 1'-0"



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CONSULTANT:

DRAWING TITLE / DESCRIPTION: DETAILS GENERAL NOTES

PROJECT TITLE: Lumberton Equipment Sub-Shop
 HIGHWAY DIVISION 6, MCDOT
 ROBESON COUNTY, NORTH CAROLINA

STATE CONSTRUCTION ID.# 16-12916-01A

ASSET NUMBER: 78-06-00

REVISIONS NO. DATE

DATE ISSUED: 12-15-17
DRAWN BY: MEM
CHECKED BY: MEM

SHEET NO.

S6