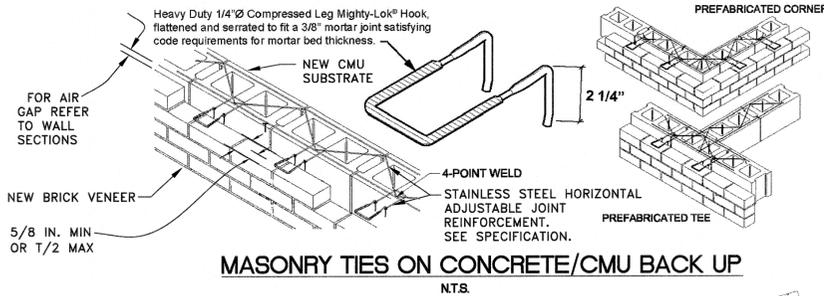
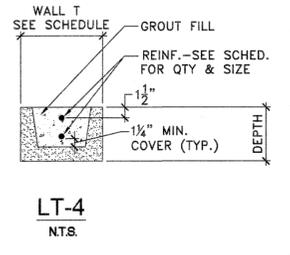
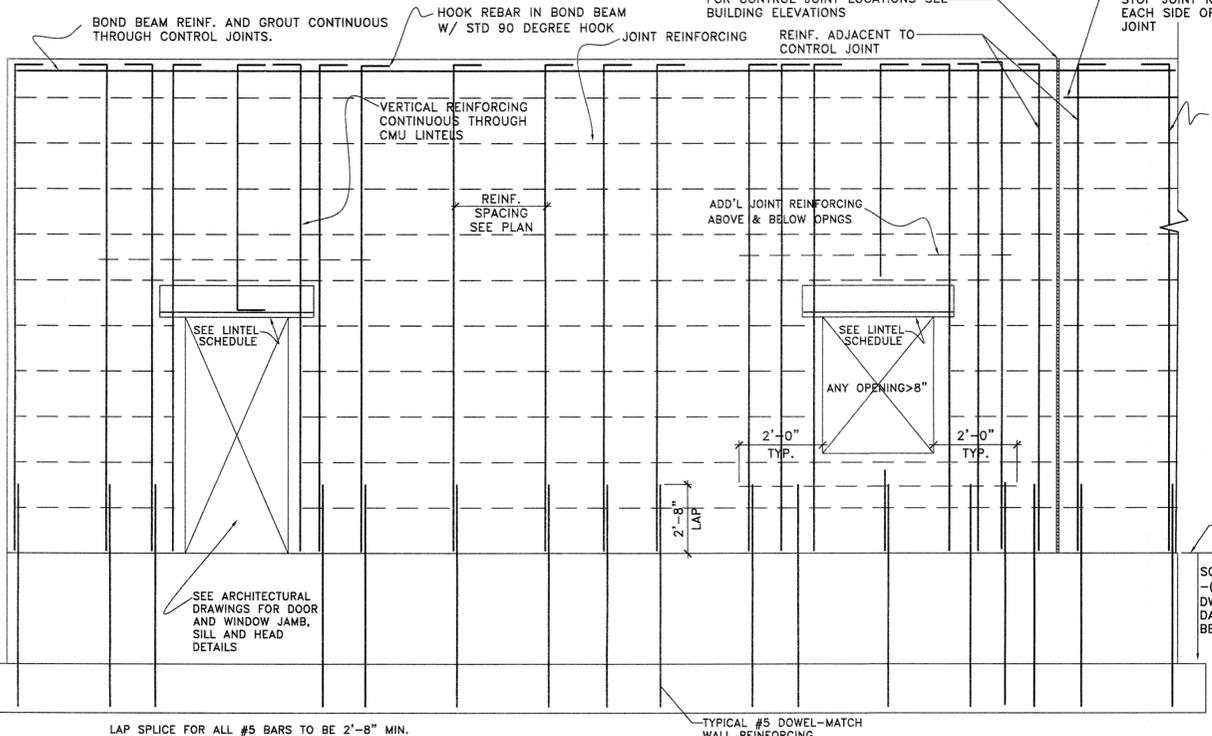


LINTEL SCHEDULE				
GRIT CLASSIFIER BUILDING				
DESIGNATION	NOMINAL THICKNESS T	LINTEL DEPTH	REINF. T&B (QTY)	BEARING
LT-1	12"	2'-8"	(2) #5 T (4) #5 B	8" MIN.
LT-2, LT-3 & LT-5	12"	8"	(3) #5 B	8" MIN.
LT-4	8"	1 BLOCK	(2) #5 B	8" MIN.

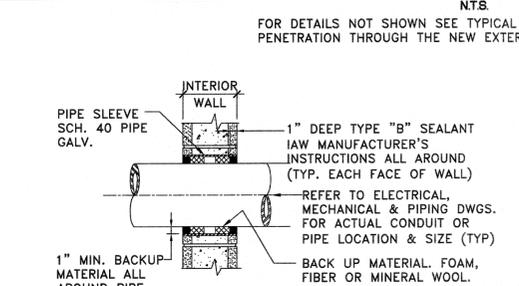
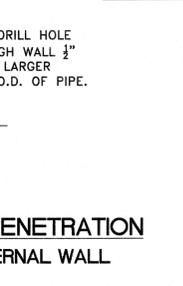
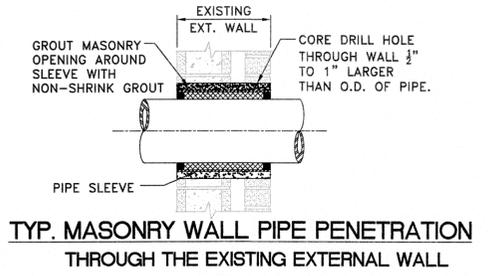
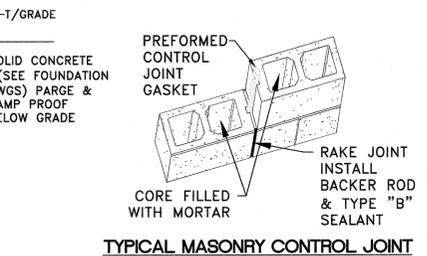
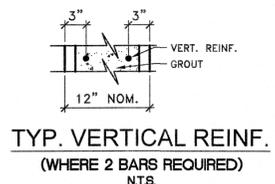
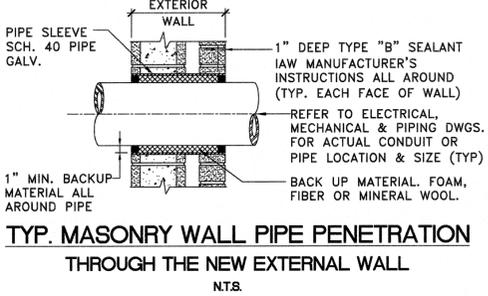
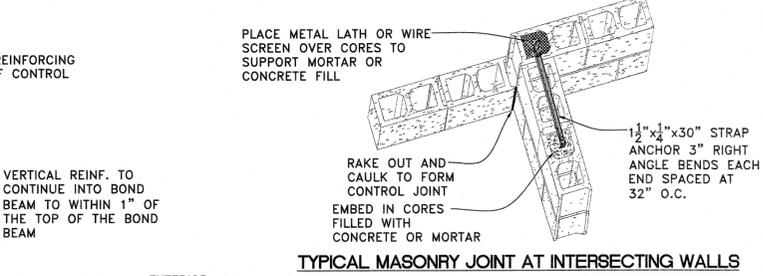


* ALL LINTEL STEEL TO BE GALVANIZED AND THE ENTIRE LINTEL PAINTED PRIOR TO INSTALLATION.
 ** PROVIDE & MAINTAIN TEMPORARY SHORING FOR LINTEL UNITS UNTIL GROUT & MORTAR ARE CURED. SEE ARCHITECTURAL PLANS FOR BLOCK TEXTURE.



- GENERAL MASONRY NOTES:**
- MASONRY CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE CURRENT ADOPTED EDITION OF ACI 530.1 BUILDING CODE REQUIREMENTS FOR CONCRETE AND MASONRY STRUCTURES.
 - THE COMPRESSIVE STRENGTH OF THE 5 BRICK AVERAGE SHALL BE A MINIMUM OF 3000 PSI. CONTRACTOR SHALL SUBMIT FOR APPROVAL DOCUMENTATION SHOWING THAT THE COMPRESSIVE STRENGTH OF THE MASONRY WHEN USED WITH TYPE S MORTAR THE BRICK ASSEMBLY SHALL MEET THE REQUIREMENT OF TABLE 2 OF ACI 530.1-95 "SPECIFICATION FOR MASONRY STRUCTURES" FOR 1000 PSI COMPRESSIVE STRENGTH.
 - THE COMPRESSIVE STRENGTH OF THE 3 CMU AVERAGE SHALL BE A MINIMUM OF 1900 PSI. CONTRACTOR SHALL SUBMIT FOR APPROVAL DOCUMENTATION SHOWING THAT THE COMPRESSIVE STRENGTH OF THE MASONRY WHEN USED WITH TYPE S MORTAR THE CMU ASSEMBLY SHALL MEET THE REQUIREMENT OF TABLE 2 OF ACI 530.1-95 "SPECIFICATION FOR MASONRY STRUCTURES" FOR 1500 PSI COMPRESSIVE STRENGTH.
 - CMU MORTAR SHALL BE TYPE S.
 - REINFORCEMENT SHALL CONFORM TO ASTM A615, GRADE 60. SHOP DRAWINGS SHOWING ELEVATIONS OF ALL THE WALLS AND THE LOCATIONS OF THE REINFORCEMENT SHALL BE SUBMITTED FOR APPROVAL.
 - JOINT REINFORCING HOT DIP GALVANIZED STANDARD TRUSS TYPE REINFORCING UTILIZING #9 WIRE SHALL BE USED IN EVERY OTHER COURSE. IF NOT SHOWN OTHERWISE THREE WIRE REINFORCING SHALL BE UTILIZED FOR MULTI WYTHE MASONRY WALLS.
 - ALL EXTERIOR MASONRY AND MORTAR SHALL CONTAIN A WATER REPELLENT ADDITIVE.
 - ALL BOND BEAMS SHALL BE GROUTED SOLID.
 - CONTRACTOR TO TAKE ALL NECESSARY STEPS TO MINIMIZE EFFLORESCENCE BY PROTECTING MASONRY UNDER CONSTRUCTION FROM RAIN.
 - NOT USED.
 - CONTRACTOR TO ENSURE CONTROL AND EXPANSION JOINTS ARE KEPT CLEAR OF MORTAR OR ANY OTHER FOREIGN OBJECTS AND TO RECHECK CLEANLINESS OF JOINT PRIOR TO APPLYING BACKER ROD AND SEALANT.
 - ALL MASONRY WALLS OVER EIGHT FEET IN HEIGHT SHALL BE ADEQUATELY BRACED TO PREVENT OVERTURNING AND TO PREVENT COLLAPSE UNLESS THE FEET IS ADEQUATELY SUPPORTED SO THAT IT WILL NOT OVERTURN OR COLLAPSE. THE BRACING SHALL REMAIN IN PLACE UNTIL PERMANENT SUPPORTING ELEMENTS OF THE STRUCTURE ARE IN PLACE. WALLS SHALL BE BRACED IN ACCORDANCE WITH THE "STANDARD PRACTICE FOR BRACING MASONRY WALLS UNDER CONSTRUCTION" BY THE COUNCIL FOR MASONRY WALL BRACING AND OSHA REQUIREMENTS.

- MASONRY ANCHORS:**
- MASONRY ANCHORS SHALL BE PROVIDED ON ALL COLUMNS AND STRUCTURAL STEEL ADJACENT TO MASONRY. SEE STRUCT. DWGS FOR LOCATIONS.
 - MASONRY ANCHORS SHALL BE AS MANUFACTURED BY HECKMAN BUILDING PRODUCTS OR EQUIVALENT.
 - STRAP ANCHORS SHALL BE 1 1/2"x1/4" GALV. STEEL.

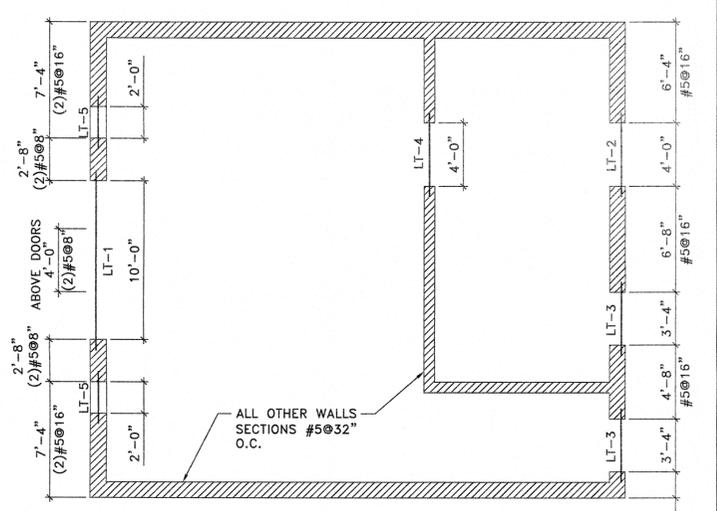


1.8 D Hot weather construction — Implement approved hot weather procedures and comply with the following provisions:

- Preparation** — Prior to conducting masonry work:
 - When the ambient air temperature exceeds 100°F (37.8°C), or exceeds 90°F (32.2°C) with a wind velocity greater than 8 mph (12.9 km/hr):
 - Maintain sand piles in a damp, loose condition.
 - Provide necessary conditions and equipment to produce mortar having a temperature below 120°F (48.9°C).
 - When the ambient temperature exceeds 115°F (46.1°C), or exceeds 105°F (40.6°C) with a wind velocity greater than 8 mph (12.9 km/hr), implement the requirements of Article 1.8 D.1.a and shade materials and mixing equipment from direct sunlight.
- Construction** — While masonry work is in progress:
 - When the ambient air temperature exceeds 100°F (37.8°C), or exceeds 90°F (32.2°C) with a wind velocity greater than 8 mph (12.9 km/hr):
 - Maintain temperature of mortar and grout below 120°F (48.9°C).
 - Flush mixer, mortar transport container, and mortar boards with cool water before they come into contact with mortar ingredients or mortar.
 - Maintain mortar consistency by retempering with cool water.
 - Use mortar within 2 hr. of initial mixing.
 - When the ambient temperature exceeds 115°F (46.1°C), or exceeds 105°F (40.6°C) with a wind velocity greater than 8 mph (12.9 km/hr), implement the requirements of Article 1.8 D.2.a and use cool mixing water for mortar and grout. Ice is permitted in the mixing water prior to use. Do not permit ice in the mixing water when added to the other mortar or grout materials.
- Protection** — When the mean daily temperature exceeds 100°F (37.8°C) or exceeds 90°F (32.2°C) with a wind velocity greater than 8 mph (12.9 km/hr), fog spray all newly constructed masonry until damp, at least three times a day until the masonry is three days old.

1.8 C. Cold weather construction

- Implement the following requirements when:
 - The ambient temperature falls below 40°F (4.4°C), or;
 - The temperature of masonry units is below 40°F (4.4°C).
- Do not lay masonry units having a temperature below 20°F (-6.7°C). Remove visible ice on masonry units before the unit is laid in the masonry.
- Heat mortar sand or mixing water to produce mortar temperatures between 40°F (4.4°C) and 120°F (48.9°C) at the time of mixing. Maintain mortar above freezing until used in masonry.
- When ambient temperature is between 25°F (-3.9°C) and 20°F (-6.7°C) use heat sources on both sides of the masonry under construction and install wind breaks when wind velocity is in excess of 15 mph (24.1 km/h).
- When ambient temperature is below 20°F (-6.7°C), provide an enclosure for the masonry under construction and use heat sources to maintain temperatures above 32°F (0°C) within the enclosure.
- When mean daily temperature is between 40°F (4.4°C) and 32°F (0°C), protect completed masonry from rain or snow by covering with a weather-resistant membrane for 24 hr after construction.
- When mean daily temperature is between 32°F (0°C) and 25°F (-3.9°C), completely cover completed masonry with a weather-resistant membrane for 24 hr after construction.
- When mean daily temperature is between 25°F (-3.9°C) and 20°F (-6.7°C), completely cover completed masonry with insulating blankets or equal protection for 24 hr after construction.
- When mean daily temperature is below 20°F (-6.7°C), maintain masonry temperature above 32°F (0°C) for 24 hr after construction by enclosure with supplementary heat, by electric heating blankets, by infrared heat lamps, or by other acceptable methods.
- Do not lay glass unit masonry during cold weather construction periods as defined in Article 1.8 C.1.a or 1.8 C.1.b. Maintain temperature of glass unit masonry above 40°F (4.4°C) for the first 48 hr after construction.



APPROVED: Richard A. Alaimo PROFESSIONAL ENGINEER NEW JERSEY LICENSE NO. 13195	REVISIONS DATE BY		RICHARD A. ALAIMO ENGINEERING COMPANY Consulting Engineers NJDCA 24GA27988800 200 HIGH STREET MOUNT HOLLY, N.J. 2 MARKET STREET PATERSON, N.J.	CLIENT: WOODBRIDGE TOWNSHIP PROJECT LOCATION: WOODBRIDGE TOWNSHIP MIDDLESEX COUNTY NEW JERSEY PROJECT NO.: B-0726-0023-000 CONTRACT NO.: 1230	DATE: APRIL 2017 DESIGNED BY: PG DRAWN BY: PG CHECKED BY: PG DEPT. HEAD:	SHEET S02 FILE NO.:
	MASONRY GENERAL NOTES AND DETAILS SCALE: AS NOTED		GRIT CHAMBER UPGRADE		SCALE: AS NOTED	