

REVISIONS	BY

13. IN THE CASE WHERE TWO OR MORE TRADES OR CONTRACTORS ARE INVOLVED IN THE INSTALLATION OF ANY ITEM, ALL SUCH PERSONS SHALL BE RESPONSIBLE FOR COORDINATING THEIR WORK AMONG THEMSELVES TO PROVIDE A FULLY COMPLETED, FUNCTIONING INSTALLATION

- PART 1 - GENERAL**
1. THE CONTRACTOR SHALL FINISH AND INSTALL EQUIPMENT AS SHOWN ON PLANS AND AS SPECIFIED IN THIS SECTION. FIELD DETERMINE ALL EXISTING CONDITIONS PRIOR TO BIDDER'S.
- PART 2 - CONVEYORS**
3. CONTRACTOR SHALL FINISH ALL ACCESSORIES AND APPURTENANCES NECESSARY FOR COMPLETE OPERATING SYSTEMS.
- PART 3 - CONVEYOR**
3.1. CONVEYOR SHALL PAY FOR ALL FEES & PERMITS.
- PART 1 - GENERAL**
1.1. REFERENCE EQUIPMENT SCHEDULED IN DRAWINGS.
- PART 2 - CONVEYOR**
2.1. INSULATE PIPING SHALL BE TYPE H COPPER.
- PART 3 - CONVEYOR**
3.1.1. CONVEYOR SHALL BE TYPE H COPPER.
- PART 1 - GENERAL**
1.1. THE CONTRACTOR SHALL FINISH AND INSTALL EQUIPMENT AS SHOWN ON PLANS AND AS SPECIFIED IN THIS SECTION. FIELD DETERMINE ALL EXISTING CONDITIONS PRIOR TO BIDDER'S.
- PART 2 - CONVEYORS**
2.1. INSULATE PIPING SHALL BE TYPE H COPPER. PIPE JOINTS BELOW 40°F ARE PROHIBITED. INSTALL PIPING WITH FIBERGLASS WIRE PIPING MAY BE USED FOR THE ABOVE IF ALLOWED BY LOCAL AUTHORITY HAVING JURISDICTION (LAW).
- PART 3 - CONVEYOR**
3.1.1. INSULATE PIPING SHALL BE TYPE H COPPER. INSULATE SECTION PIPING WITH 1/2" INSULATION SUITABLE FOR LOCATION.
- PART 4 - CONVEYOR**
4.1. SANITARY WASTE AND VENT PIPING SHALL BE SCHEDULE 40 P.C.
- PART 5 - CONVEYOR**
5.1. CONDENSATE DRAIN PIPING SHALL BE TYPE H COPPER OR SCHEDULE 40 BLACK STEEL, WITH ALLOWABLE IRON FITTINGS.
- PART 6 - FLOOR CLEANOUTS**
6.1. FLOOR CLEANOUTS IN FINISHED AREAS SHALL BE 1/2" NPT OR 1/2" NPT.
- PART 7 - FLOOR CLEANOUTS**
7.1. FLOOR CLEANOUTS SUBJECT TO WHEEL TRAFFIC SHALL BE 1/2" NPT OR 1/2" NPT.
- PART 8 - WALL CLEANOUTS**
8.1. WALL CLEANOUTS SHALL BE 1/2" NPT OR 1/2" NPT.
- PART 9 - GASK PIPING**
9.1. GASK PIPING SHALL BE SCHEDULE 40 BLACK STEEL, WITH ALLOWABLE IRON FITTINGS.
- PART 10 - UNDERGROUND PIPING**
10.1. UNDERGROUND PIPING FOR CORROSION PROTECTION.
- PART 11 - PROVIDE LIFT PIPES**
11.1. PROVIDE LIFT PIPES, SPRINKLER SYSTEM AND STANDPIPES, AS REQUIRED BY AUTHORITY HAVING JURISDICTION. SYSTEM SHALL BE DESIGNED BY LICENSED FIRE PROTECTION ENGINEER.
- PART 12 - LIFT PIPING THROUGH AND INTO**
12.1. LIFT PIPING THROUGH AND INTO 40°F OR HIGHER WALLS SHALL BE ALLOWED.
- PART 13 - EQUIPMENT REQUIREMENTS:**
13.1. GENERAL
13.1.1. THE CONTRACTOR SHALL FINISH AND INSTALL EQUIPMENT AS SHOWN ON PLANS AND AS SPECIFIED IN THIS SECTION. FIELD DETERMINE ALL EXISTING CONDITIONS PRIOR TO BIDDER'S.
- PART 14 - CONVEYORS**
14.1. CONVEYOR SHALL FINISH ALL ACCESSORIES AND APPURTENANCES NECESSARY FOR COMPLETE OPERATING SYSTEMS.
- PART 15 - CONVEYOR**
15.1. CONVEYOR SHALL PAY FOR ALL FEES & PERMITS.
- PART 16 - CONVEYOR**
16.1. CONVEYOR SHALL BE TYPE H COPPER.
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- PART 99 - CONVEYOR**
99.1. CONVEYOR SHALL BE

PIPING LEGEND

NOTE: ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS

SYMBOL	DESCRIPTION
	O.S. &V. VALVE
	TEST PLUG
	BALL VALVE
	PLUG VALVE (BALANCE COOK)
	SOLENOID VALVE
	CHECK VALVE
	GAS COCK
	GATE VALVE
	BUTTERFLY VALVE
	MOTORIZED BUTTERFLY VALVE
	THERMOMETER
	HOSE BIBB
	NON-FREEZE WALL HYDRANT
	YARD HYDRANT
	SHOWER DRAIN
	FLOOR DRAIN
	AREA DRAIN
	ROOF DRAIN
	HUB DRAIN
	OPEN SIGHT DRAIN
	VENT THRU ROOF
	CLEANOUT IN FLOOR
	CLEANOUT IN GRADE
	DOUBLE CLEANOUT
	CLEANOUT IN WALL
	STRAINER
	UNION
	SHOCK ARRESTOR
	PRESSURE GAUGE
	DIRECTION OF SLOPE W/INCHES/FT DROP
	FLOOR SINK (1/2 GRADE & FULL GRADE)
	AUTO. SPRINKLER VALVE ASSEMBLY
	PUMP

ELECTRICAL SPECIFICATIONS

1. Apply for secure and pay for all required permits, fees, licenses and royalties to accomplish the work.
2. Obtain all approvals from the City or on the drawings are as noted, it could be secured by their division according to work authorization. The specifications and drawings are for the assistance and guidance of the electrical sub-contractor. Exact locations, distances, levels, etc. will be governed by the measurements of the electrical sub-contractor and use the data combined herein with the understanding.
3. Furnish a written certified guarantee, it acceptable form to come against any defective workmanship, material and operating equipment. The guarantee will be in force and effective for a period of (1) year after acceptance of the installation.
4. All master fuses shall be installed in ENT.
5. Minimum size conduit shall be 3/4" unless otherwise indicated on the drawings.
6. All major parts not carrying current, shall be properly grounded.
7. All wiring devices mounted in this building shall be "specification grade" manufactured by Hubbell, General Electric or equal. Cover plates for switches and receptacles shall be white steel.
8. All wire for light and power installations shall be high conductivity copper #60 with insulation in accordance with the National Code of the International standard for light THHN-UL type.
9. No wire shall be smaller than No. 12 ALG. All wires No. 8 and larger shall be stranded.
10. All wire and cable shall be industry-code coded. Colors for each phase and neutral shall be used consistently throughout and again. 20 amp panel circuit will be wired with 3 wire light/cable. The insulated ground wire shall be red conductors from the same device or light fixture to the ground bus in the distribution cabinet. Light panels will be color-coded blue with aluminum bus installed in code design aluminum sheet metal cabinets. Light or switches provided as indicated on the drawings. The branch circuit breakers, if general, will be enclosed cases from open rated minimum 2000V AIC thermal magnetic trip, single pole or three pole as shown on drawings. As a minimum be designed to carry the full rating of the feeder without applying the point, at a current density of 800 amperes per square inch of cross section. Approved manufacturers (GE, Siemens, Cutler Hammer or Square D). Conductor shall conform required AIC ratings with the power company.
11. Distribution panel will be listed with type aluminum bus suitable for service entrance (NEMA 3R enclosure, approved manufacturers (GE, Siemens, Cutler Hammer or Square D).
12. There required by local authority having jurisdiction provide in-level building of lights.
13. And additional equipment lighting.
14. Provide a the later system as required by the authorities having jurisdiction.
15. Refer to electrical plans for additional specifications.

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