SYSTEM UTILITY LEGEND

UTILITY	SYMBOL	QUANTITY	VOLTAGE/ PHASE	AMPERAGE	DESCRIPTION
ELECTRICAL	E1	1	480V/3ø	400 AMPS	SYSTEM CONTROL PANEL
	E2	1	480V/3ø	100 AMPS	BATCH OVEN CONTROL PANEL
	E3	1	120V/1ø	20 AMPS	WASHER FLUORESCENT LIGHTS
	E4	1	120V/1ø	20 AMPS	LUBRICATOR (DEDICATED AND CONTINUOUS)
	E5	1	480V/3ø	100 AMPS	TEMPORARY FOR TRIMAC CONSTRUCTION
	E6	1	120V/1ø	15 AMPS	TEMPORARY FOR TRIMAC CONSTRUCTION

UTILITY	SYMBOL	QUANTITY	FLOW RATE	SUPPLY PRESSURE	CONNECTION SIZE	DESCRIPTION
CITY WATER	W1	1	--------	40-60 PSI	1 1/2"	WASHER MAIN WATER FEED
POLISHED WATER	W2	1	--------	40-60 PSI	1"	MAIN POLISHED WATER FEED

UTILITY	SYMBOL	QUANTITY	FLOW RATE	SUPPLY PRESSURE	CONNECTION SIZE	DESCRIPTION
COMPRESSED AIR	A1	1	10 SCFM	80 PSI	3/4"	TEMPORARY FOR TRIMAC CONSTRUCTION
	A2	1	10 SCFM	80 PSI	3/4"	CONVEYOR TAKE-UP

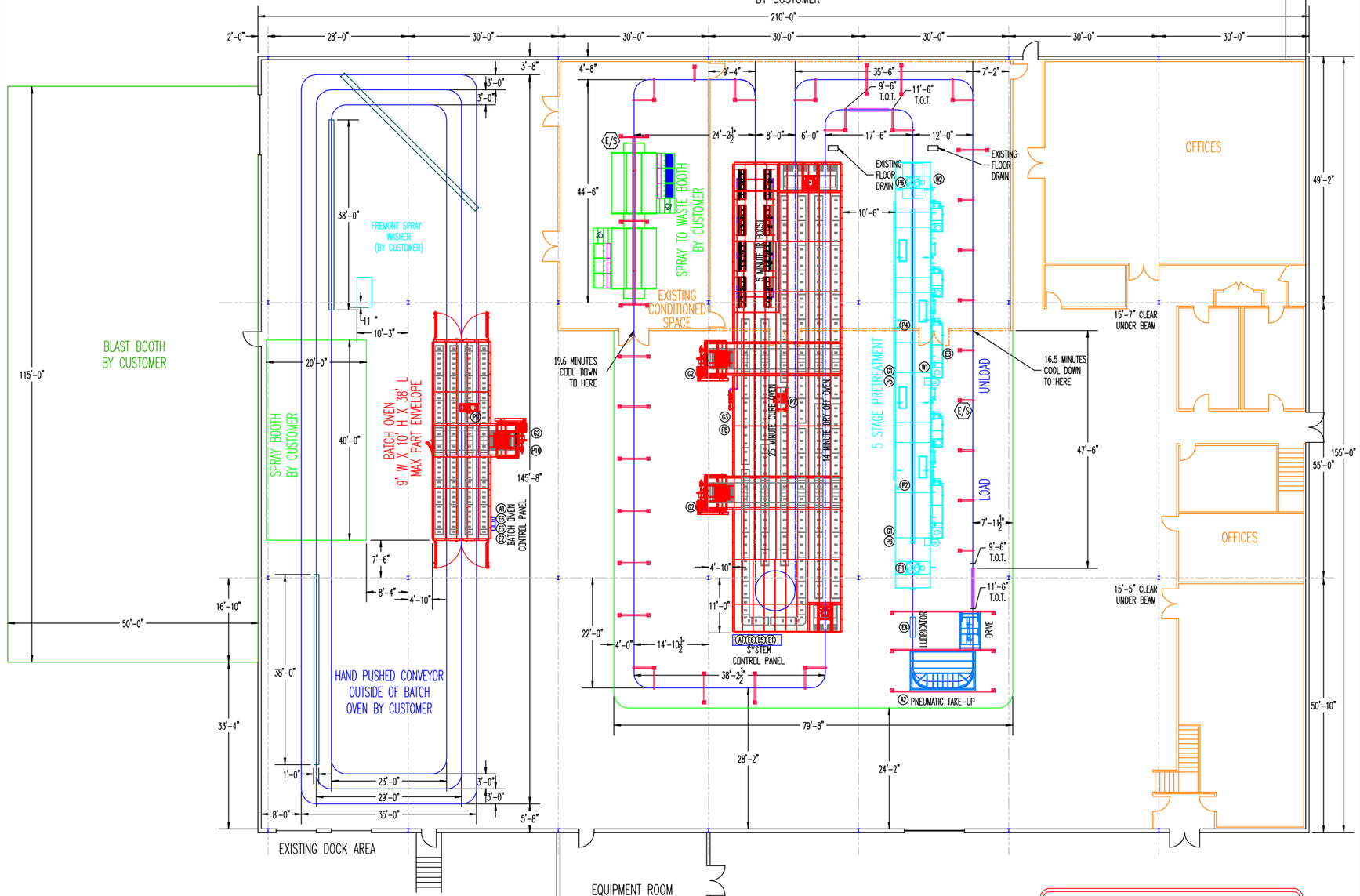
UTILITY	SYMBOL	QUANTITY	FLOW RATE	SUPPLY PRESSURE	CONNECTION SIZE	DESCRIPTION
NATURAL	G1	2	2,000 SCFM	3-5 PSI	1 1/4"	WASHER STAGE #1 & STAGE #3 BURNERS
	G2	3	2,000 SCFM	3-5 PSI	1 1/4"	BATCH & COMBINATION OVEN BURNERS
	G3	1	2,080 SCFM	3-5 PSI	1 1/4"	INFRA-RED BOOST GAS TRAIN

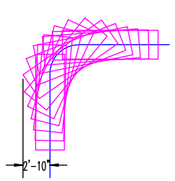
SYSTEM PENETRATION LEGEND

PENETRATION	NOMINAL STACK SIZE	TEMP	DESCRIPTION
P1	30"ø	AMBIENT	WASHER ENTRANCE EXHAUST
P2	8 5/8"ø	1000°F	WASHER STAGE #1 TUBE-O-THERM EXHAUST
P3	1 1/4"ø	AMBIENT	WASHER STAGE #1 GAS TRAIN VENT
P4	8 5/8"ø	1000°F	WASHER STAGE #3 TUBE-O-THERM EXHAUST
P5	1 1/4"ø	AMBIENT	WASHER STAGE #3 GAS TRAIN VENT
P6	30"ø	AMBIENT	WASHER EXIT EXHAUST
P7	18"ø	500°F	COMBINATION OVEN EXHAUST
P8	1 1/4"ø	AMBIENT	COMBINATION OVEN GAS TRAINS VENT
P9	12"ø	500°F	BATCH OVEN EXHAUST
P10	1 1/4"ø	AMBIENT	BATCH OVEN GAS TRAIN VENT

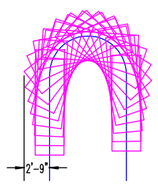
NOTES:

1. CUSTOMER TO PROVIDE FINAL CONNECTION OF ALL UTILITIES.
2. CUSTOMER TO PROVIDE FOR DISPOSAL OF ALL REMOVED EQUIPMENT AND SCRAP.
3. CUSTOMER TO PROVIDE FOR CUTTING, CURBING, AND REPAIRING OF ROOF OPENINGS AND TO PROVIDE RAIN COLLARS AS REQUIRED FOR EXHAUST STACKS AND VENTS. IRT TO PROVIDE CUSTOMER WITH FINAL LOCATIONS OF PENETRATIONS DURING SYSTEM INSTALLATION. UTILITY CONNECTION LOCATIONS ARE APPROXIMATE AND FINAL CONNECTION TO IRT PROVIDED EQUIPMENT IS THE RESPONSIBILITY OF THE CUSTOMER.
4. CUSTOMER IS RESPONSIBLE FOR OBTAINING ALL PERMITS AND LICENSES AS MAY BE REQUIRED FOR INSTALLATION AND OPERATION OF EQUIPMENT.
5. CUSTOMER IS RESPONSIBLE FOR ALL TEMPORARY UTILITY SERVICES REQUIRED FOR EQUIPMENT INSTALLATION.
6. CUSTOMER TO PROVIDE MANUAL SHUTOFF VALVE WITH GAS FILTER LOCATED PER NFPA 58 OR NFPA 86 AS REQUIRED FOR EACH BURNER.
7. ALL FLUID & GAS SERVICES TO BE EQUIPPED WITH SUITABLE SHUTOFF VALVE AT POINT OF CONNECTION.
8. CUSTOMER RESPONSIBLE FOR INSURING COMPATABILITY OF PROCESS WITH MATERIALS OF CONSTRUCTION.
9. ALL UTILITY INFORMATION BASED ON PRELIMINARY INFORMATION AND SUBJECT TO CHANGE.
10. SYSTEM CONSISTS OF APPROX. 810' TOTAL 458 I-BEAM CONVEYOR POWERED AT 6 FEET PER MINUTE, TROLLEYS SPACED ON 24" CENTERS WITH H-ATTACHMENTS WITH A MAXIMUM LOAD OF 400 POUNDS PER TROLLEY. ALL HORIZONTAL TURNS ARE TO BE 3'-0" RADIUS MINIMUM AND ALL VERTICAL CURVES ARE TO BE 8'-0" RADIUS MINIMUM, WITH A MAXIMUM 30 DEGREE SLOPE.
11. THE SYMBOL (E/S) IS THE EMERGENCY STOP STATION FOR CONVEYOR, TO BE LOCATED IN THE FIELD, IN THE UNLOAD / LOAD AREA AND ENVIRONMENTAL ROOM.

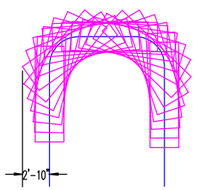




36" RADIUS 90° PART KICK-OUT
10 FT. LONG X 3 FT. WIDE PART HUNG ON 6 FT CENTERS
ENLARGED



8'-0" DIAMETER 180° PART KICK-OUT
10 FT. LONG X 3 FT. WIDE PART HUNG ON 6 FT CENTERS
ENLARGED



12'-0" DIAMETER 180° SPREAD PART KICK-OUT
10 FT. LONG X 3 FT. WIDE PART HUNG ON 6 FT CENTERS
ENLARGED

DRAWING APPROVED BY: _____

DATE OF APPROVAL: _____