# Wilkinson Hi-Rise

*A WHR Holdings, LLC Company*

*Operation and Maintenance Instructions*

*for*

**Model 6RUB-D and 8RUB-D Recycling Systems**

**Wilkinson Hi-Rise – A WHR Holdings Company, LLC**
**3001 Greene Street**
**Hollywood, FL 33020**
**P 954-342-4400 / 800-231-3888**
**F 954-342-3888**
***www.whrise.com***

## Table of Contents

# 1. USING THIS MANUAL

## A. INSTRUCTION MANUAL

This document contains an Operation & Maintenance Instruction Manual for Wilkinson Hi-Rise's (*now referred to as Wilkinson*) **6RUB-D / 8RUB-D Recycling System.** This manual is divided into six (6) basic sections:

1. Using this manual
2. System Description
   - Intake Doors
   - Turntable System
   - Diverter
   - Trash Compactor
3. System Operation
   - Intake Doors
   - Turntable System
   - Diverter
   - Trash Compactor
4. System Maintenance
   - Intake Doors
   - Turntable System
   - Diverter
   - Trash Compactor
5. Troubleshooting
6. Schematics, Drawings

## B. SPECIAL ATTENTION BOXES

Throughout this manual, special attention boxes are provided to supplement the instructions and make special notice to potential hazards and important aspects of the operation of the system. The definition of these special attention boxes is as follows:

| ! WARNING |
| --- |
| Indicates a condition or hazard, which will cause severe personal injury, death or property damage. |

| ! NOTICE |
| --- |
| The special attention box contains information pertaining the system. |

# 2. SYSTEM DESCRIPTION

## A. GENERAL

The Wilkinson Models **6RUB-D and 8RUB-D Recycling Systems** are designed for HIGH volume bagged trash and recycling applications (greater than 120 units per chute) where the trash room is below grade. The system incorporates the turntable sorting system, a trash compactor designed for bag applications, ICD-2000 door recycling door, and software programmed intake. All recycling waste is directed to the turntable system and trash to the compactor. A diverter is placed on the bottom of the trash chute, which directs the waste to the applicable location based on the user inputs at each intake door. The numeric value in the model number indicates the number of collection containers included on the turntable collection system.

The RUB-D is a system that facilitates the separation of recyclables from household waste utilizing a single trash chute installed in a building. At each intake door of the system, there is a keypad that allows the user to enter in the type of waste to be deposited in the system. The RUB-D is typically used in conjunction with a 24" Wilkinson trash chute but can be made to accommodate chutes up to 36" in diameter.

## B. SYSTEM COMPONENTS

1. **ICD 2000 Intake door with user keypad** – The intake doors are usually installed on every floor of the building where waste can be deposited into the trash chute system. The user enters the type of waste to be deposited and the system adjusts to the proper position to receive that waste. The ICD 2000 intake is normally closed and will only open upon pushing a button on the user keypad. Keypads on the ICD 2000 doors have lights that indicate the type of waste that is selected by a user, "In-use" and "Pick Up in Process" to inform a user of when the system is being used and out of service for pick up.

2. **Turntable Sorting System** – The heart of the system, the turntable is usually located in the trash room in the basement of the building. The RUB contains six (6) or eight (8) bag holders that are programmed to collect recycling material such as glass and plastic, and newspapers. In our typical configuration, the system is set up for four (4) or six (6) containers to collect recycling material such as glass, cans and plastic and (2) container to collect newspaper. The system is highly customizable and allows the user to configure any amount of available collection points for various types of recycling material. Please consult

your Wilkinson Hi-Rise representative prior to the equipment arriving at the site for available configuration options.

The containers are equipped with removable liners that hold plastic bags in place. Once the container is full, the plastic bag of collected waste is removed and disposed of. The containers are installed on a circular turntable that rotates to the applicable location depending on the waste being collected. The turntable is installed directly below the discharge of the trash chute. The system is controlled by a Master Control System that receives signals from the user keypad and adjusts the turntable to the correct location for the collection of the applicable waste.

| ! WARNING |
| --- |
| The turntable system rotates without warning so the proper precautions should be taken while performing bag change-outs, maintenance and troubleshooting of the system. These tasks will be discussed further later in this manual. |

3. **Diverter** – The two (2) component sorter shall use a single waste/recycling chute in a multi-story building to distribute materials pre-separated by tenants into either the turntable sorting system or the trash compactor. Similar to the turntable system, the diverter is controlled by a Master Control System that receives signals from the user keypad and adjusts the turntable to the correct location for the collection of the applicable waste.

| ! WARNING |
| --- |
| The diverter system operates without warning so the proper precautions should be taken while performing bag change-outs, maintenance and troubleshooting of the system. These tasks will be discussed further later in this manual. |

4. **Trash Compactor** – The turntable system is equipped with Wilkinson 45K extruder trash compactor that consolidates the household trash collected in the system.

| ! WARNING |
| --- |
| The compactor operates without warning so the proper precautions should be taken while performing bag change-outs, maintenance and troubleshooting of the system. These tasks will be discussed further later in this manual. |

5. **Master Control System** – The master control system (MCP) operates the components of the system based on the type of waste that is being collected in the system. The MCP incorporates a variable frequency drive (VFD) system that is utilized to operate the turntable. The VFD is located in the vicinity of the MCP in the trash room.

| ! WARNING |
| --- |
| This system operates with HIGH Voltage electricity so extreme caution should be taken when performing maintenance or troubleshooting system. Improper work practices while maintaining this system could result in severe injury or death. |

6. **Trash Chute System -** The turntable is supplied by a trash chute system installed in the building. The trash chute typical size is 24". The trash chute system has intakes on each floor to allow users of the system to deposit waste into the system for processing by the 6/8 RUB turntable system.

**THIS AREA INTENTIONALLY LEFT BLANK**

# 3. SYSTEM OPERATION

## A. ICD 2000 Intake Doors

A user initiates the operation of the 6/8 RUB-D recycling system by accessing the trash room, which contains the intake door to the trash chute. The system is designed with the general parameter that a user will dispose typical residential waste during a single visit or transaction at the trash chute. The following is a general description of a typical transaction for the disposal of trash, recycling and newspaper.

**! NOTICE**

The trash chute is not designed to accept construction debris, furniture, cardboard boxes, and chemicals of any sort. These items can damage the trash chute and render it unusable. If it is discovered that any type of this material is deposited in the chute, the manufacturer's warranty on this equipment will become null and void.

**! NOTICE**

All waste that is to be deposited in the chute should easily fit through the intake doors. Forcing material through the intake doors may cause the chute to become clogged.

**! NOTICE**

The intake doors are NORMALLY locked so users will only gain access to the trash chute by selecting the type of waste to be deposited into the systems from the user keypad installed in each door.

1. Assuming the first materials to be disposed of is a bag of garbage, the resident presses the GARBAGE key on the control panel adjacent the chute access door. The light adjacent the GARBAGE key and the AMBER "IN USE" light illuminates on all keypads on all floors. An audible alarm will sound when the door is ready to be opened. The door is now unlocked and the user can deposit the trash. There can be a 3-5 second delay in the door opening depending how many users are accessing the system.

**! NOTICE**

When a GARBAGE push button is activated on any floor, all chute intakes doors on the remaining floors are locked until the transaction is completed.

Once the door is unlocked, the resident pulls the access door open, disposes of their bag of trash into the chute. Once the user lets go of the intake door, it will close automatically.

2. The user now disposes of NEWSPAPER, for example. All access doors are locked. The user pushes the NEWSPAPER button. All the other intake doors remain locked until transaction is completed. In the trash room, the diverter will adjust so all waste will be directed to the turntable and the turntable then rotates to the newspaper paper container under the chute discharge position. The audible signal will sound and the intake door will unlock when the system is in position. The user opens the door to dispose of their NEWSPAPERS.

3. Other types of recyclables, as identified on the user keypad, are disposed of in a similar manner as described above.

**! NOTICE**

It is important that the residents be thoroughly instructed and strongly encouraged to accurately separate their waste prior to using the recycling system. Users NEED to want to recycle for the system to be utilized to its maximum potential. Wilkinson has found that training is the most effective method to persuade users to separate trash properly.

## B. TURNTABLE SYSTEM

The turntable is controlled by the MCP which is a PLC (Programmable Logic Controller) driven system that positions the turntable based on the user entries selected at the ICD 2000 intake doors. Once a user selects the type of waste to be deposited into the system, the MCP determines which waste is selected and rotates the turntable so that the applicable waste container is located under the discharge of the trash chute. The waste is then collected by the system.

The further details of the operation of the turntable system are included later in this section.

**! NOTICE**

The turntable system defaults to the garage position after each transaction is completed. So, the diverter will always move to the garbage position after each recycling transaction.

**! WARNING**

The turntable system rotates without warning so the proper precautions should be taken while performing bag change-outs, maintenance and troubleshooting of the system. These tasks will be discussed further later in this manual.

## C. DIVERTER

The diverter is controlled by the MCP which is a PLC (Programmable Logic Controller) driven system that positions the diverter based on the user entries selected at the ICD 2000 intake doors. Once a user selects the type of waste to be deposited into the system, the MCP determines which waste is selected and positions the diverter to direct waster to either the compactor or turntable. The diverter directs the waste using a single flap inside the body of the unit that is positioned by an electric motor.

**! WARNING**

The diverter system moves without warning so the proper precautions should be taken while performing bag change-outs, maintenance and troubleshooting of the system. These tasks will be discussed further later in this manual.

## D. COMPACTION SYSTEM

The 6/8RUB-D recycling system is equipped with a 45K extruder (bagger) trash compactor that consolidates the household trash for the system ONLY. By processing household trash separately, it allows the system to process waste more effectively thus requiring less bag change-out per day. The compaction system performs consolidation of the trash automatically.

**! WARNING**

The compaction system operates without warning so the proper precautions should be taken while performing bag change-outs, maintenance and troubleshooting of the system. These tasks will be discussed further later in this manual.

## E. OPERATION OF TURNTABLE AND COMPACTION SYSTEM

The system is designed to operate automatically with minimal assistance with the exception of the change out of trash and recycling bags and the maintenance of the system. The following are the SYSTEM START-UP and BAG CHANGE OUT procedures for the recycling system. Refer to Figure 1 in the Section 6 of this manual for a one-page user guide detailing this procedure. This figure should be mounted in the in the trash room in the vicinity of the MCP to assist the operator of the system during bag change-outs.

### 1. SYSTEM START-UP

- Place SELECTOR Switch to the SORT Position.
- Turn Power ON at electrical disconnect panel.
- Ensure EMERGENCY STOP BUTTON is pulled OUT.
- System is now ready for operation.

| ! NOTICE |
| --- |
| A message will be displayed “SYSTEM READY” in the display screen. THE SYSTEM IS NOW READY TO OPERATE IN AUTOMATIC MODE |

### 2. BAG CHANGE

- Place the System SELECTOR Switch to the SERVICE position. The recycling chute intake doors will be disabled and bags can be changed.
- Operate the turntable manually using the buttons JOG FORWARD and JOG REVERSE to position the containers in an accessible location to replace the bag.
    - **JOG FORWARD** will move the turntable in the counter clockwise direction by HOLDING DOWN the button until the turntable is in the desired position. This feature is incorporated into the system to allow the user to position the containers to the desired position to allow for easy access to the turntable for bag change out or regular maintenance of the system.

- **JOG REVERSE** will move the turntable in the clockwise direction to the next container by HOLDING DOWN the button.

- Change bags out as necessary.

- When completed changing the bags, place System SELECTOR Switch to the SORT position. THE SYSTEM IS NOW READY TO OPERATE IN AUTOMATIC MODE.

**! NOTICE**

An audible alarm will continue to BEEP while the system is in the SERVICE mode. The alarm will stop once the System SELECTOR system is placed back in the SORT or NON-SORT position.

**! NOTICE**

The MCP for this system is equipped with SORT and NON-SORT selector switch that can be utilized if SORTING of waste is no longer desired. In the NON-SORT mode, all waste will be directed to the trash compactor and the recycling containers will not be utilized.

**! WARNING**

This system is equipped with an EMERGENCY STOP button which when activated, shuts down all power to the turntable and locks all the intake doors. The EMERGENCY STOP button should be used to shut down the system in the event of an EMERGENCY and when the system is to be taken out of commission. The system will automatically reset based on the position of the selector switch once the EMERGENCY button is pulled out.

**THIS AREA INTENTIONALLY LEFT BLANK**

# 4. SYSTEM MAINTENANCE

## A. ICD 2000 Intake Doors

As long as good housekeeping processes are followed, the intake doors are relatively low maintenance.

1. Keep intake door free of build-up of trash, lint and other items that may interfere with this operation of the door.

2. **MONTHLY** perform the following recommended maintenance procedures

    a. Lubricate all parts of the intake door using WD-40 or equal industrial lubricant

        i. Hinges

        ii. Pistons

        iii. Locking devices including electrical solenoid installed in the control box of the ICD 2000 door.

**! NOTICE**

In the event that an intake door is not operating properly, please contact you LOCAL WILKINSON REPRESENTATIVE for service.

## B. TURNTABLE SYSTEM

Following are the recommended maintenance procedures for the 6RUB system.

**! WARNING**

The turntable system rotates without warning so the proper precautions should be taken while performing maintenance and troubleshooting of the system. DISABLE SYSTEM WHILE PERFORMING RECOMMENDED MAINTENANCE PROCEDURES.

1. **DAILY**

    a. Keep turntable free of debris. Build-up of debris can possibly interfere with the operation of the turntable.

2. **WEEKLY** perform the following recommended maintenance procedures:

    a. Lubricate the following parts of the turntable system using WD-40 or equal industrial lubricant.

        i. Turntable center pin. Liberally spray around the cylinder installed in the center of the turntable.

    b. Lubricate the following parts of the turntable system chain drive system using Heavy Duty Axle grease or equal industrial lubricant.

        i. Drive chain located below drive motor. Brush on the grease onto the drive chain to be sure it is properly lubricated. No disassembly is required. Access chain drive on side of turntable.

        ii. Drive motor sprocket. Brush on the grease onto drive motor sprocket that drives the chain. No disassembly is required. Access chain drive on side of turntable.

## B. DIVERTER SYSTEM

Following are the recommended maintenance procedures for the diverter system.

**! WARNING**

The diverter system operates without warning so the proper precautions should be taken while performing maintenance and troubleshooting of the system. DISABLE SYSTEM WHILE PERFORMING RECOMMENDED MAINTENANCE PROCEDURES.

1. **DAILY**

    a. Keep diverter free of debris. Build-up of debris can possibly interfere with the operation of the turntable.

2. **WEEKLY** perform the following recommended maintenance procedures:

a. Lubricate the following parts of the diverter system using WD-40 or equal industrial lubricant.

    i. Diverter center shaft and bearings (pillow blocks.) Liberally spray around shaft and bearings of the diverter.

3. **MONTHLY** perform the following recommended maintenance procedures:

    a. Lubricate the bearings using Heavy Duty grease or equal industrial lubricant through the grease fittings on the pillow block.

**THIS AREA INTENTIONALLY LEFT BLANK**

# 5. TROUBLESHOOTING

Following are troubleshooting tips for Wilkinson 6/8RUB-D Turntable recycling system.

| ! WARNING |
| --- |
| ONLY QUALIFIED TECHNICIANS SHOULD CARRY ADJUSTMENTS ON THE TURNTABLE SYSTEM AND ITS COMPONENTS |

- **Intake door does not open**

1. Check to see if power is ON to the system. If not, turn on power as needed.

2. Check the RED STOP push-button is pulled out. If not, PULL OUT to energize system.

3. Check to see if SELECTOR switch is in the SORT or NO SORT position. If not, place in proper position.

4. Check to see if other intake doors in the system are functioning properly. If so, the intake doors in question may have problem with the locking mechanism or keypad electronics. Contact your local Wilkinson representative for service.

**- Turntable does not turn**

1. Check to see if power is ON to the system. If not, turn on power as needed.

2. Check the RED STOP push-button is pulled out. If not, PULL OUT to energize system.

3. Check to see if SELECTOR switch is in the SORT or NO SORT position. If not, place in proper position.

4. Check to see if GREEN power light on MCP is illuminated. If not, contact your local Wilkinson representative.

5. Check to see if turntable drive motor is operating but turntable is not turning. If so, the problem is most likely the chain being off of the drive sprocket or a broken chain. Contact your local Wilkinson representative for service.

## 6. SCHEMATICS AND DRAWINGS

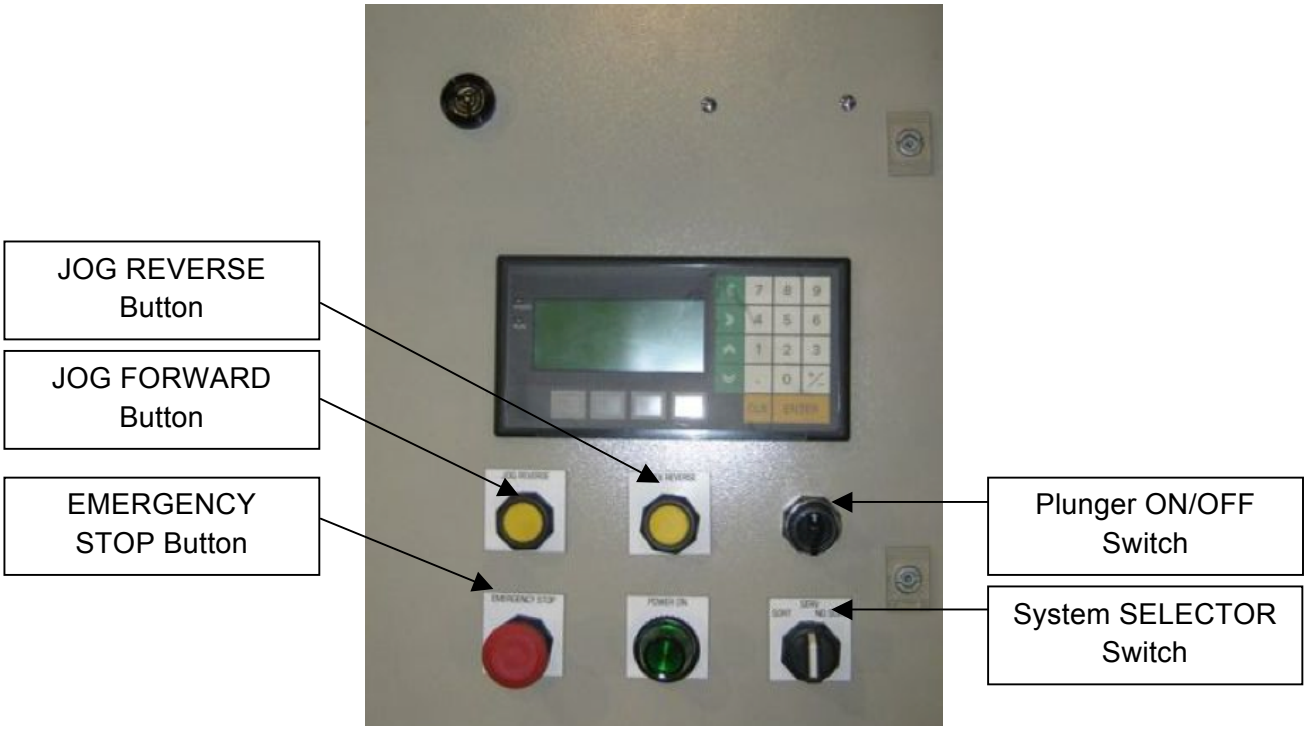
**FIGURE 1: 6/8RUB-D QUICK USER GUIDE**

**FIGURE 2: FLOOR-TO-FLOOR WIRING DIAGRAM**

**FIGURE 3: MASTER CONTROL PANEL WIRING DIAGRAMS**

**FIGURE 4: PROJECT SPECIFIC SYSTEM LAYOUT DRAWINGS**

# 6/8RUB-D Recycling System User Guide




***In the event of an EMERGENCY; PRESS the EMERGENCY STOP BUTTON to disable the door intake and recycling systems***

**To START SYSTEM**

1. Turn Power ON at electrical disconnect panel; Ensure EMERGENCY STOP BUTTON is pulled OUT.

2. Place SELECTOR Switch to the SORT Position and the Plunger ON/OFF Switch to the ON position. A message will be displayed “SYSTEM READY” in the display screen. THE SYSTEM IS NOW READY TO OPERATE IN AUTOMATIC MODE.

**To CHANGE BAGS**

1. Place the System SELECTOR Switch to the SERVICE position. The recycling chute intake doors will be disabled and bags can be changed.

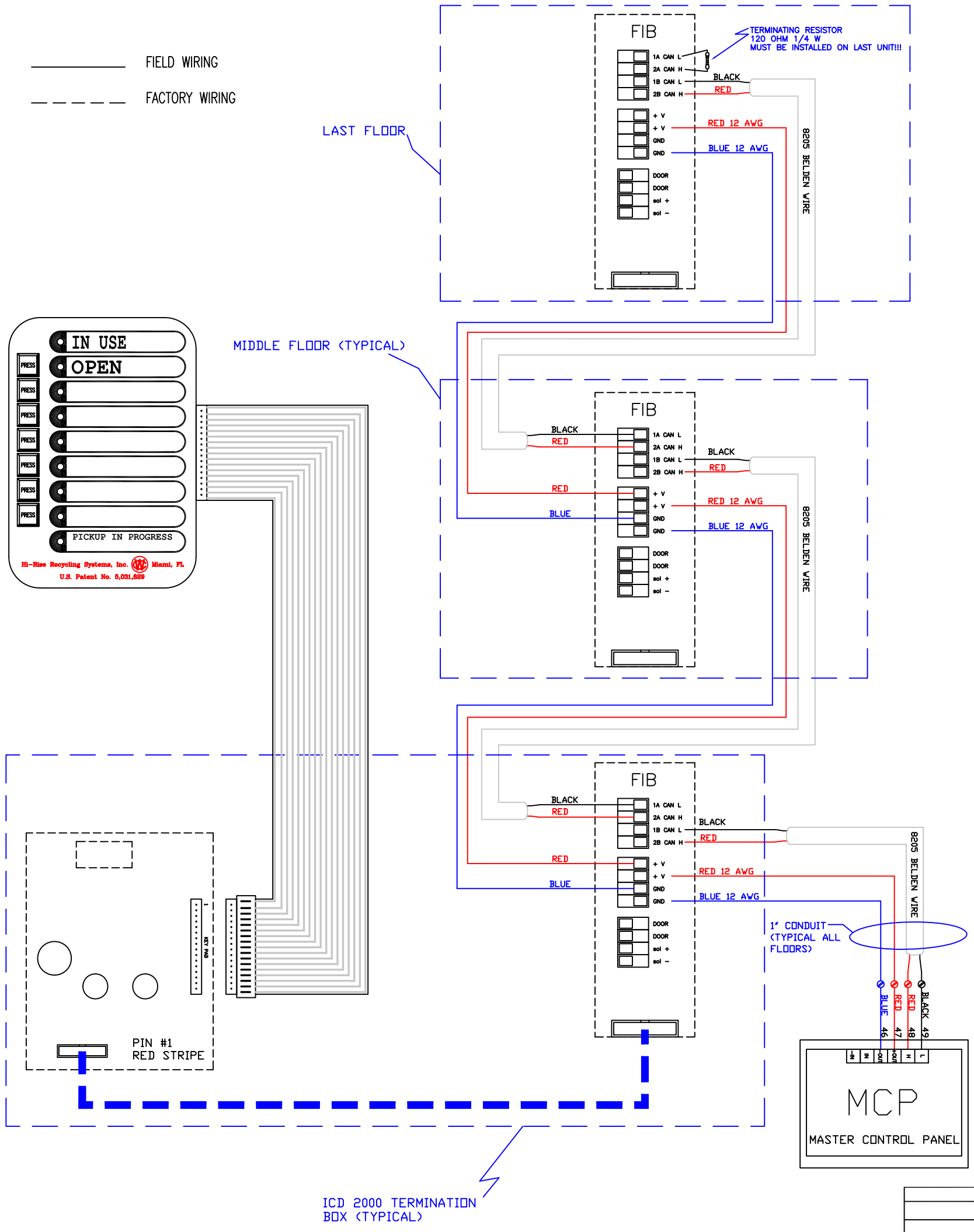
2. Operate the turntable manually using the buttons JOG FORWARD and JOG REVERSE to position the bins in an accessible location to replace the bag.

3. When completed changing the bags, place System SELECTOR Switch to the SORT position. THE SYSTEM IS NOW READY TO OPERATE IN AUTOMATIC MODE.

4. ***PLEASE NOTE***: An audible alarm will continue to BEEP while the system is in the SERVICE mode. The alarm will stop once the System SELECTOR system is placed back in the SORT or NON-SORT position.

***Please contact Wilkinson Hi-Rise at 914-664-8202 for service issues.***

# FIGURE 2




| DESCRIPTION | REV. | DATE | INIT. |
|---|---|---|---|
| FIRST DRAWING | A | 10/15/09 | MD |
| | | | |
| | | | |
| | | | |
| | | | |

THIS DRAWING IS THE PROPERTY OF WILKINSON HI-RISE.
IT IS LOANED ON THE CONDITION THAT IT IS NOT TO BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF, AND IS NOT TO BE USED IN PART TO FURNISH INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, OR PARTS THEREOF. THE ACCEPTANCE OF THIS DRAWING IS AN ACCEPTANCE OF THE FOREGOING CONDITIONS AND THE RECOGNITION OF THE EXCLUSIVE OWNERSHIP IN AND TO THE DRAWINGS AS THE PROPERTY OF WILKINSON HI-RISE.

**WILKINSON-HI-RISE**
2321 Evans St.
Hollywood, FL 33020
Tel: 800 231 3888 fax: 954 342 43 38

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
FRACTIONAL DIMENSIONS ±1/32"
DECIMAL DIMENSIONS ±.010"
ANGULARITY ±1°
MACHINED SURFACES 250

LOW VOLTAGE CONTROL SYSTEM

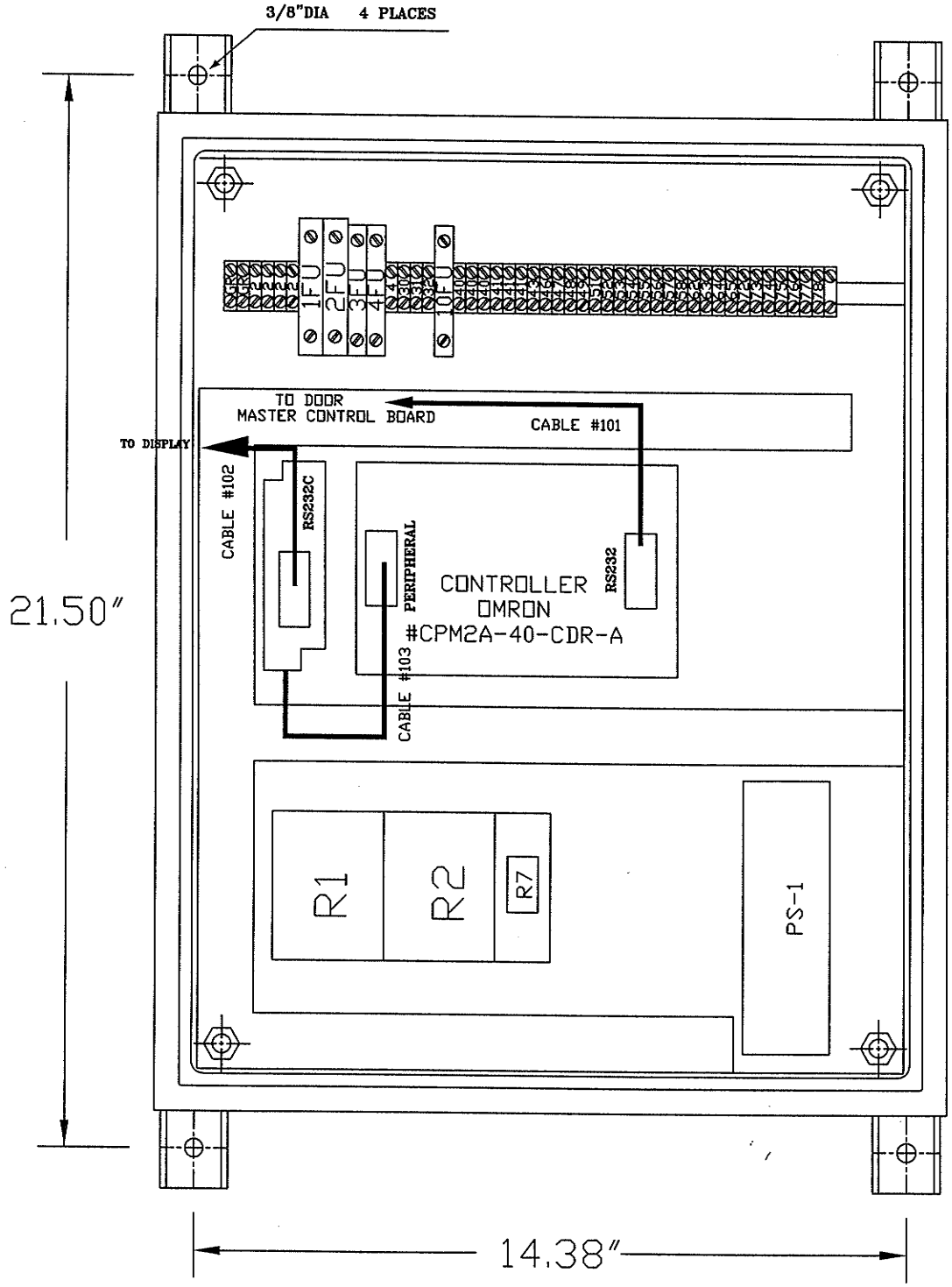
DRAWING NAME: FLOOR TERMINATION DETAILS

DRAWING #: DIV-901-A

DWG. | SCALE NTS | SHEET 1 OF 1

**FIGURE 3: MASTER CONTROL PANEL WIRING DIAGRAMS**

# MAIN CONTROL PANEL
# BACKPLATE LAYOUT
# SHOWN WITHOUT DOOR
# 20"H x 16"W x 9"D



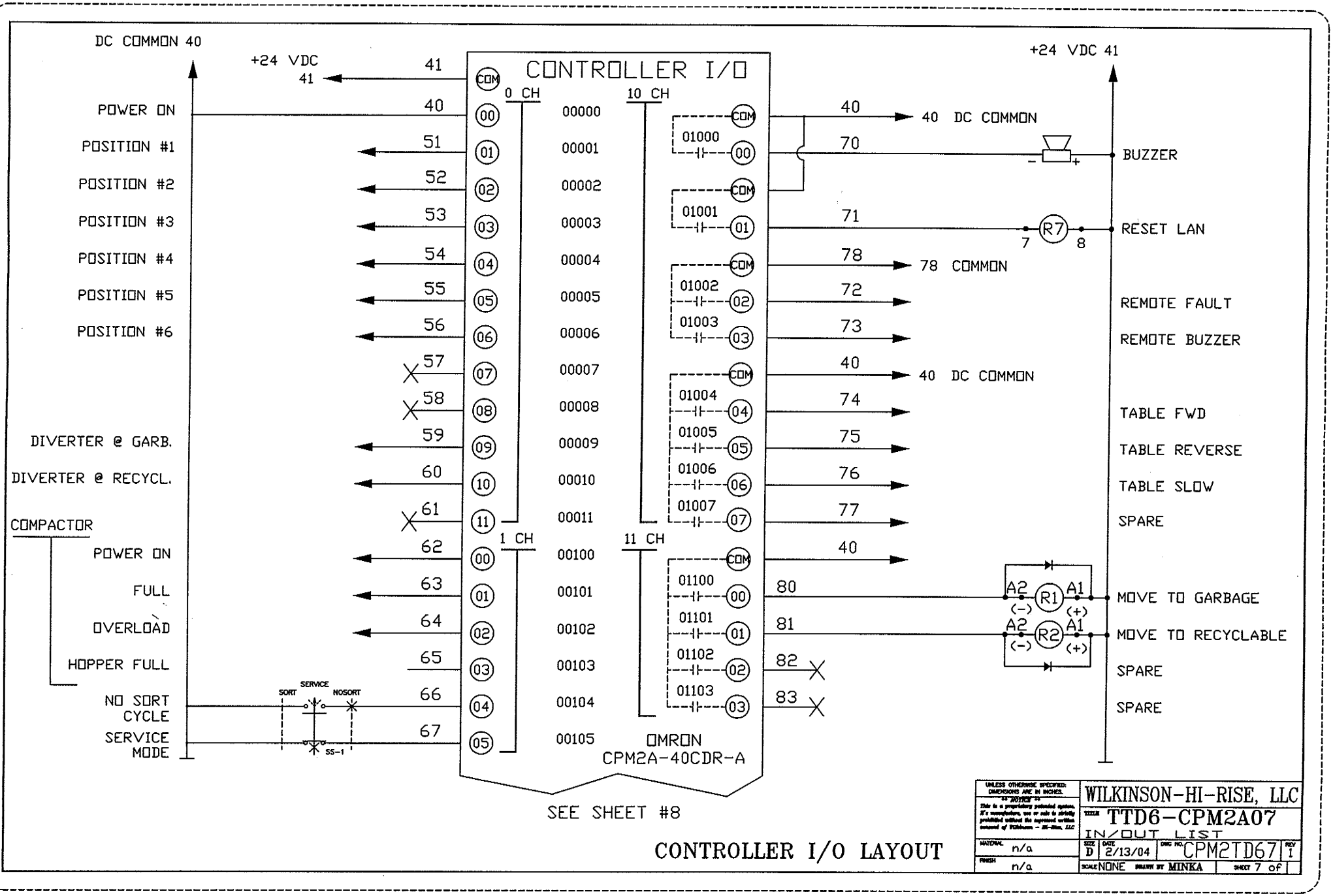

WILKINSON-HI-RISE, LLC

TITLE: TTD-CPM2A03
PIONEER TURN TABLE GRU (D) WITH DIVERTER

SIZE: D | DWG NO: CPM2TD63 | REV: 1
DATE: 2/13/04 | BACKPLATE
SCALE: 1:1 | DRAWN BY: MINYKA | SHEET 3 OF

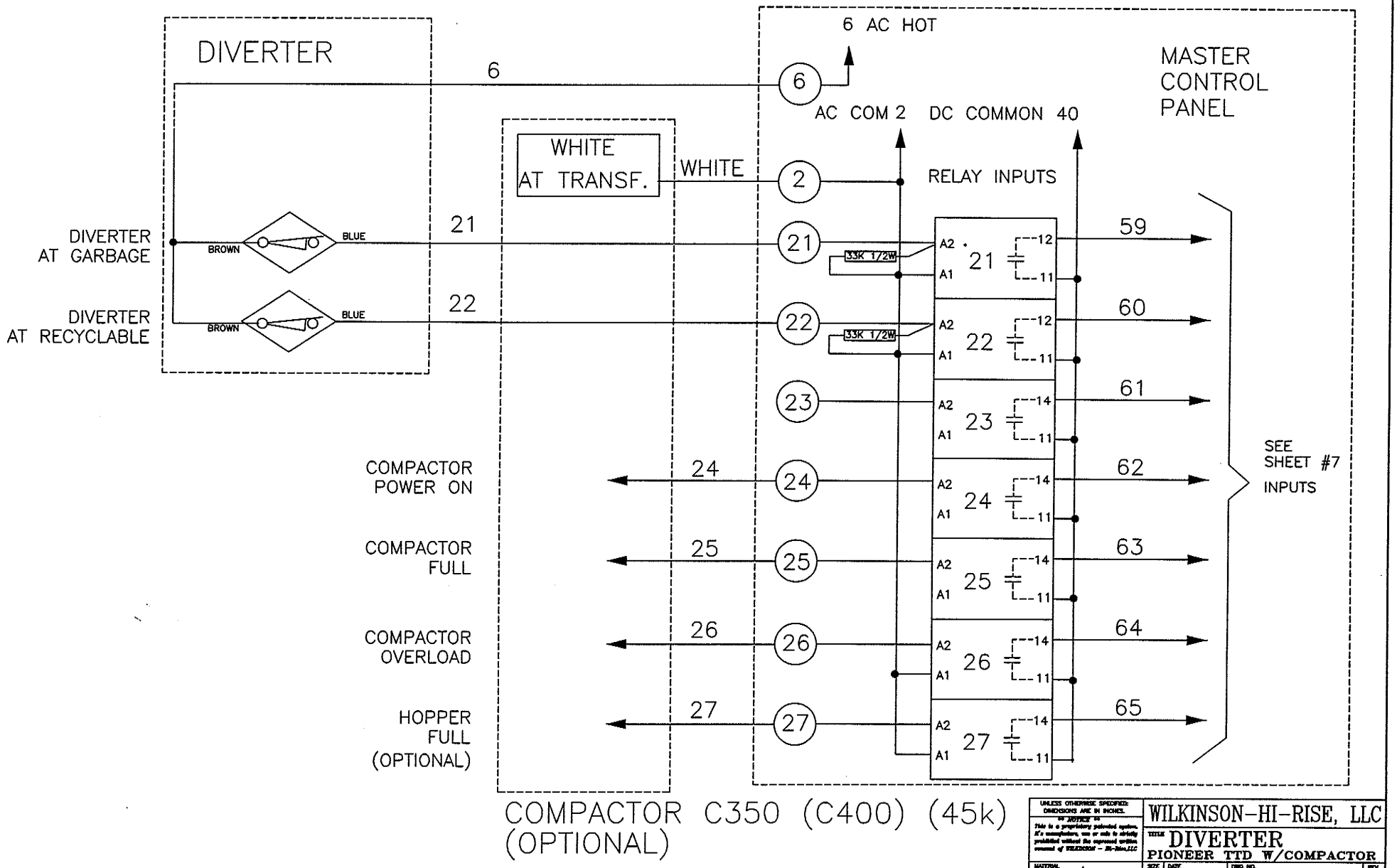
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES

MATERIAL n/a
FINISH n/a




CONTROLLER I/O LAYOUT

| | |
|---|---|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES | WILKINSON-HI-RISE, LLC |
| MATERIAL n/a | TITLE TTD6-CPM2A07 IN/OUT LIST |
| FINISH n/a | SIZE D · DATE 2/13/04 · DWG NO. CPM2TD67 · REV 1 |
| | SCALE NONE · DRAWN BY MINKA · SHEET 7 of |




COMPACTOR C350 (C400) (45k)
(OPTIONAL)

RELAY TERMINALS LAYOUT AND WIRING

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES.

*** NOTICE ***
This is a proprietary patented system. It's manufacture, use or sale is strictly prohibited without the expressed written consent of WILKINSON – HI-RISE, LLC

MATERIAL n/a
FINISH n/a

WILKINSON–HI–RISE, LLC

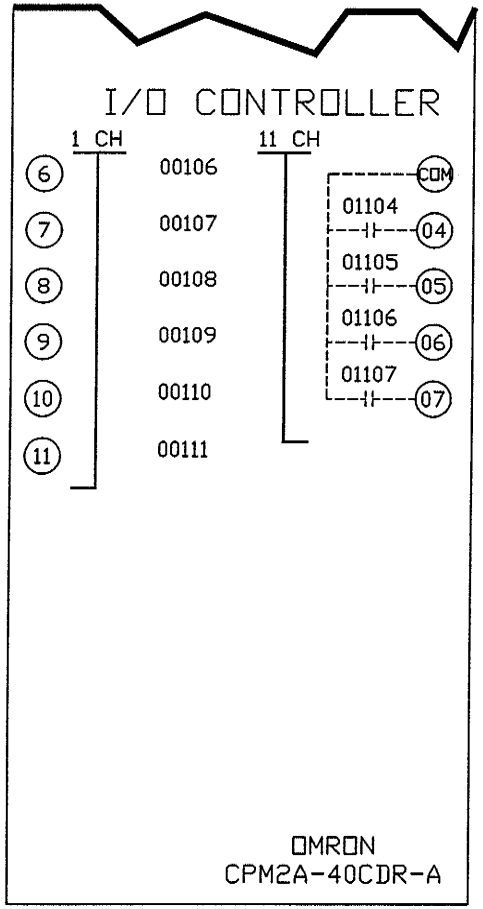
TITLE DIVERTER
PIONEER TTD W/COMPACTOR

SIZE D | DATE 3/29/2004 | DWG NO. CPM2TD10 | POWER | REV 1

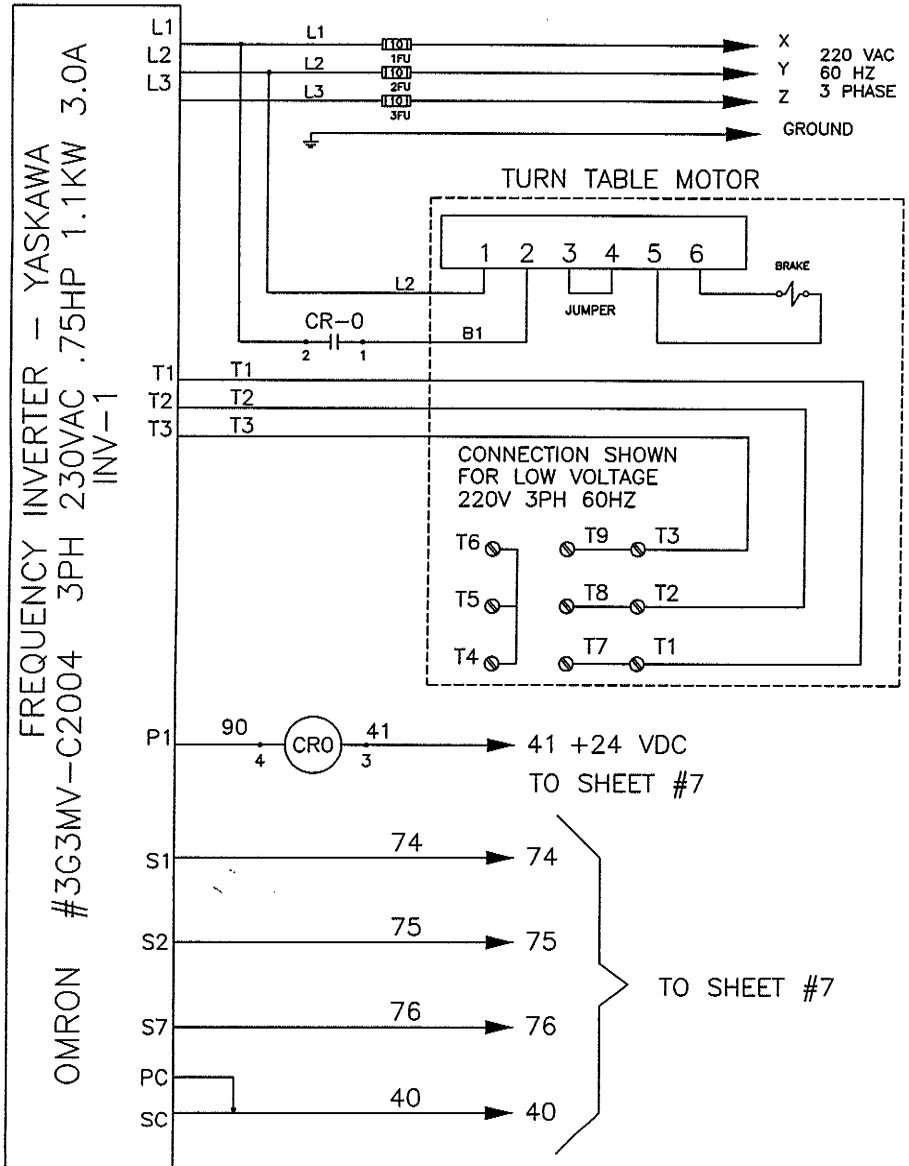
SCALE NONE | DRAWN BY MINKA | SHEET 10 OF

FROM SHEET #7

40 DC COMMON




| | |
|---|---|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. | WILKINSON - HI-RISE,LLC |
| MATERIAL n/a | TITLE CPM2A TTD PIONEER TURN TABLE |
| FINISH n/a | SIZE D DATE 2/16/04 DWG NO. CPM2TD08 REV 1 |
| | SCALE NONE DRAWN BY MINKA SHEET 8 of |




SEE SHEET #12
FOR SETTINGS!

Drive Type : 200V 0.4 kW
Flash Number : 23
Control mode : V/f Control

| | | |
|---|---|---|
| n001 | Access Level | 01–n001–n049 read and write |
| n002 | Control method | 00–V/f control |
| n003 | Operation selection | 01–Terminal |
| n004 | Frequency reference | 01–Operator ref. n024 |
| n005 | Stopping method | 00–Ramp to stop |
| n006 | Reverse run prohibit | 00–REV enabled |
| n007 | Stop key function | 00–Not effective |
| n008 | Freq. ref. selection in local mode | 00–Potentiometer |
| n009 | Frequency ref. setting mode | 00–ENTER key used |
| n010 | Operator detection (OPR Fault) | 00–Disabled |
| n011 | Maximum output frequency | 60.0 Hz |
| n012 | Maximum voltage | 230.0 V |
| n013 | Maximum voltage output freq. | 60.0 Hz |
| n014 | Middle output frequency | 3.0 Hz |
| n015 | Middle output voltage | 15.0 V |
| n016 | Minimum output frequency | 1.5 Hz |
| n017 | Minimum output voltage | 10.0 V |
| n018 | Accel/Decel time setting unit | 00–0.1 seconds |
| n019 | Acceleration time 1 | 3.0 sec. |
| n020 | Deceleration time 1 | 0.6 sec. |

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES.

** JURISDICTION **
This is a proprietary patented system. It's manufacture, use or sale is strictly prohibited without the expressed written consent of WILKINSON – HI-Rise, LLC a Florida corporation.

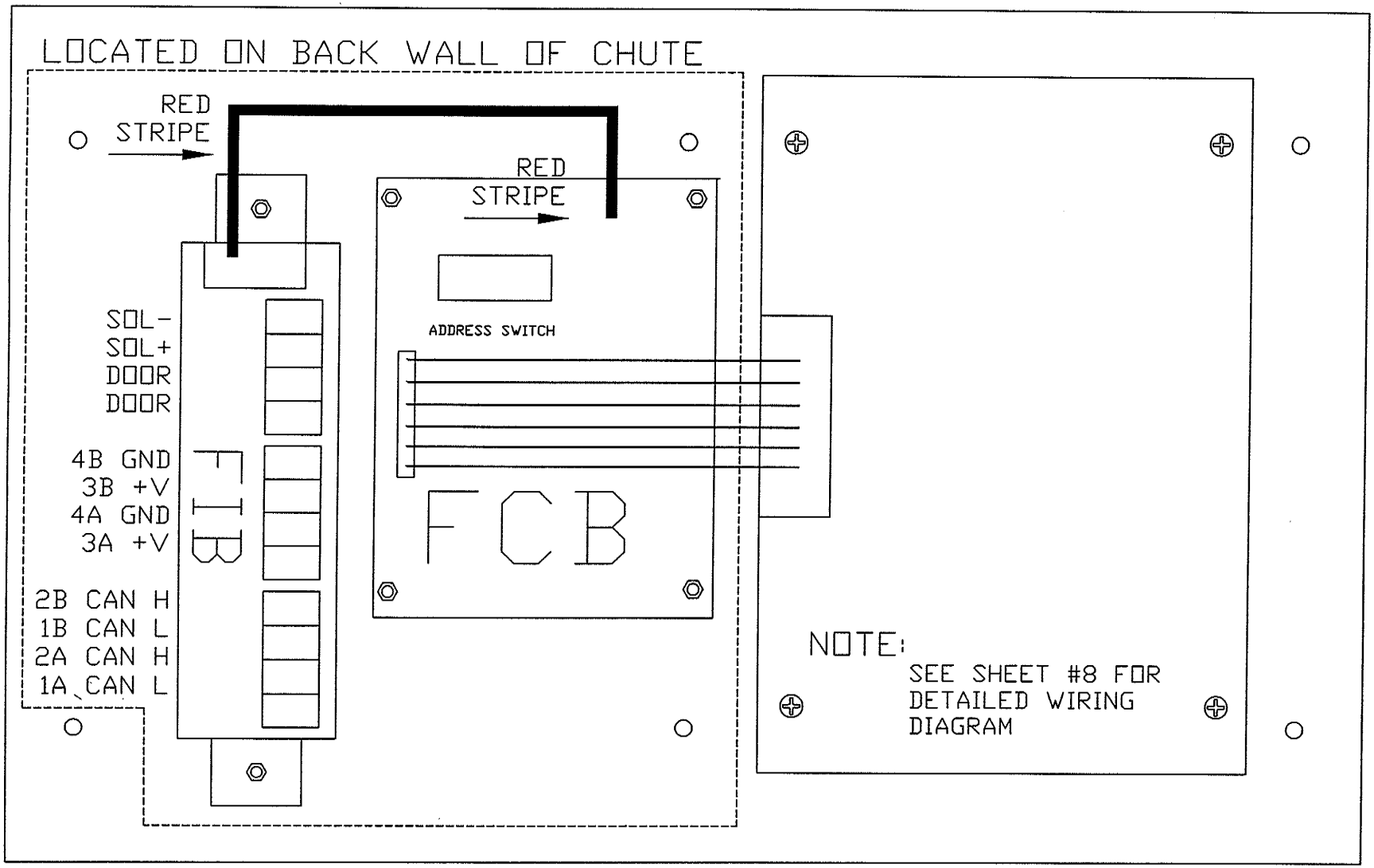
MATERIAL n/a
FINISH n/a

WILKINSON – HI-RISE, LLC

TITLE TURNTABLE
PIONEER TURN TABLE

| SIZE | DATE | DWG NO. | | REV |
|---|---|---|---|---|
| D | 2/16/04 | CPM2TD11 | POWER | 1 |

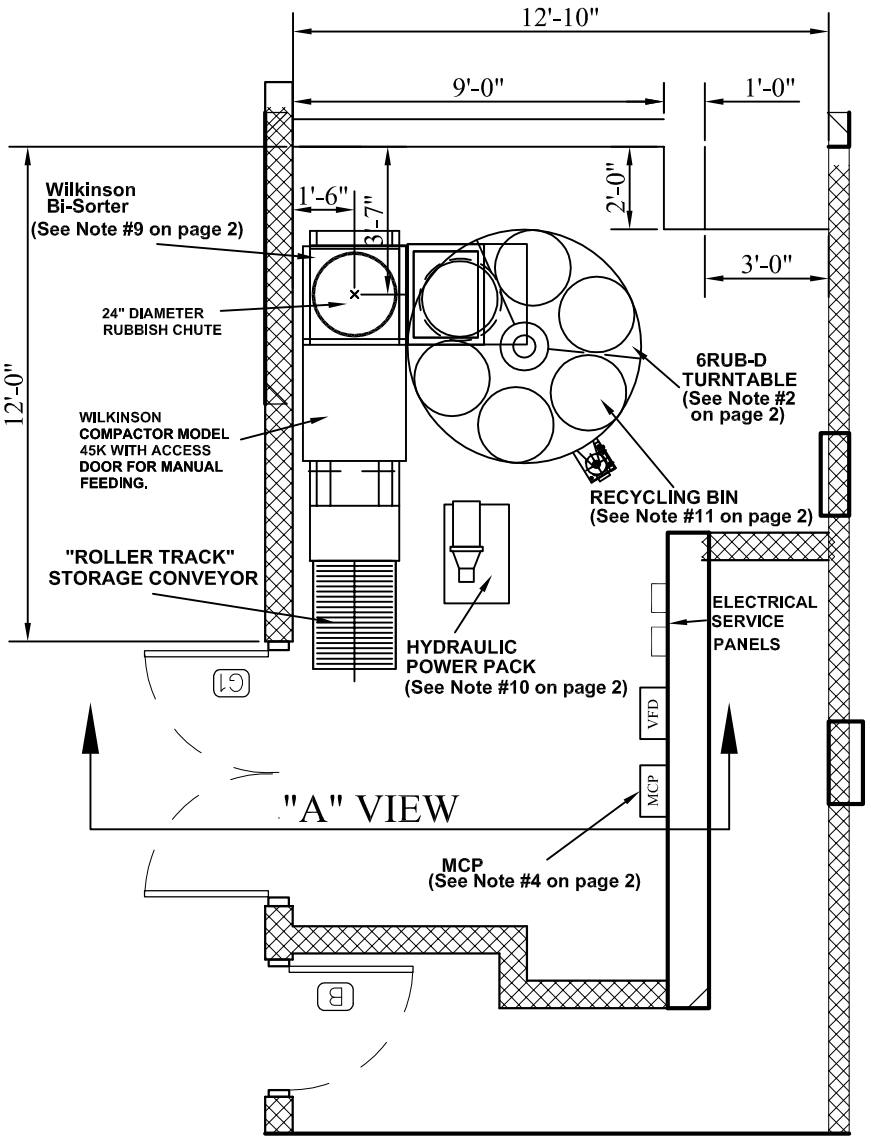
SCALE NONE DRAWN BY MINKA SHEET 11



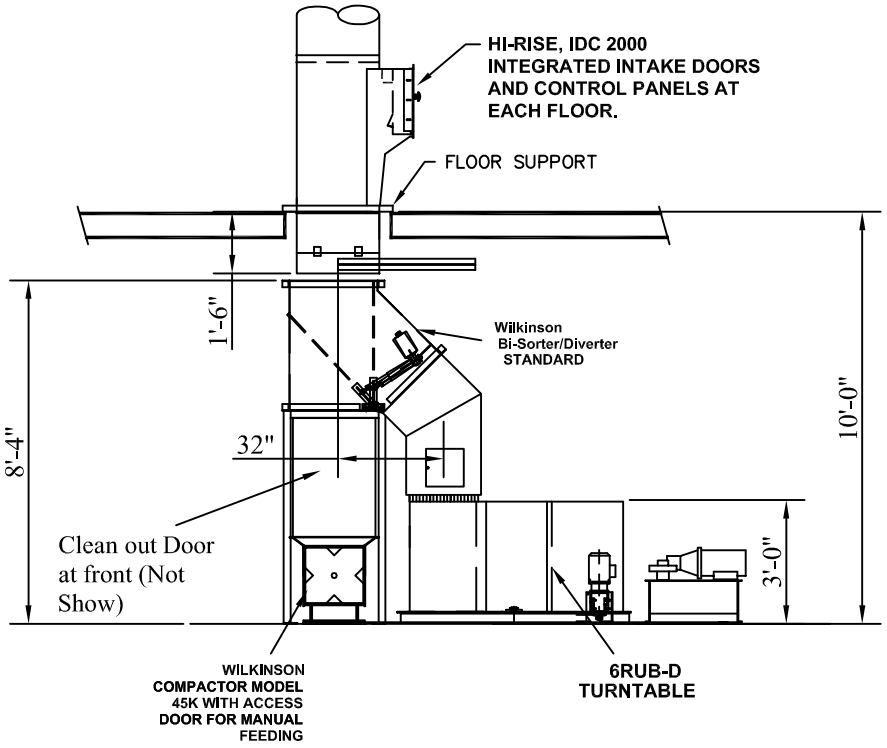

# FLOOR PANEL - REAR VIEW

| | |
|---|---|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. | WILKINSON-HI-RISE, LLC |
| MATERIAL n/a | TITLE CPM2A TTD |
| FINISH n/a | PIONEER TURNTABLE TTD W/ COMPACTOR |
| SIZE D | DATE 2/16/04 |
| DWG NO. CPM2TD05 FLOOR PANEL | REV 1 |
| SCALE 2:1 | DRAWN BY PM |
| SHEET 5 of | |

## FIGURE 4: PROJECT SPECIFIC SYSTEM LAYOUT DRAWINGS




PLAN VIEW




"A" SECTION VIEW

WILKINSON-HI-RISE.
WILKINSON CHUTES©

THIS DRAWING IS THE PROPERTY OF WILKINSON CHUTES
IT IS LOANED ON THE CONDITION THAT IT IS NOT TO BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF, AND IS NOT TO BE USED IN PART TO FURNISH INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, OR PARTS THEREOF. THE ACCEPTANCE OF THIS DRAWING IS AN ACCEPTANCE OF THE FOREGOING CONDITIONS AND THE RECOGNITION OF THE EXCLUSIVE OWNERSHIP IN AND TO THE DRAWINGS AS THE PROPERTY OF WILKINSON HI-RISE.

| DESCRIPTION | REV. | DATE | INIT. |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

MODEL 6RUB-D TURNTABLE
WITH MODEL 45K
EXTRUDER COMPACTOR

Job Name: 500 West 23rd St.

| DWG. SIZE | DWG. NAME | SCALE: | SHEET: |
|---|---|---|---|
| A | | NTS | 1 OF 2 |

# NOTES - MODEL 6RUB-D TURNTABLE RECYCLING SYSTEM WITH 45K COMPACTOR

1. Wilkinson-Hi-Rise Model 6RUB-D" turntable with Model 45K extruder compactor
2. Turntable Construction: Fabricate turntable and associated base and ramp form heavy-duty gauge steel, welded and finished with manufacturer's standard baked synthetic enamel primer and finish coats, selected for resistance to damage or deterioration from exposure conditions. Turntable shall be placed on top of the base and aligned by a male/female center shaft located on the underside of the turntable. Turntable motor shall drive on a minimum of 3/4" horse power and 220 volt, three-phase.
3. Master Control Panel: A Master Control shall be housed in a UL® approved, NEMA 12 enclosure mounted on a wall in the vicinity of the Turntable in the trash/garbage room a minimum of 55" above the floor to the bottom of the panel. No conduit should access this panel from the bottom. The Master Control Panel shall control and monitor all mechanical and electronic operating functions of the Recycling System. Inherent in the design of the control will be suitable repair and serviceability standards including use of plug-in connectors where possible. Supply power will be 110VAC with a 24 VDC output to the individual control panels and a 24VDC output to the chute intake doors interlocks on each floor. The component of the system shall meet applicable UL® specifications and/or standards.
4. Manual Switch: As part of the Master Control, manually actuated Switch shall be provided to disable all chute doors as required for purposes of Systems shut-down for service and other needs.
5. Floor Control Membrane-Type Key Pads: Stations permit user selection of material types for disposal, transmit "In Use" signals and disables all other floor control panel units, and perform the following additional functions:
6. Activate diverter baffle and/or turntable to correct position to receive waste deposit appropriate to materials selection at Floor Control Panel.
7. Respond to signal from compactor when garbage container is full, transmitting notification to maintenance personnel on location via monitoring service and transmit "Pick-up in Progress" signal and disable all floor control panels.
8. Self-diagnostic program detects system component failure, then transmits notification to maintenance personnel on location via monitoring service and transmits "Pick-up in Progress" signal and disable all floor control panels.
9. Diverter: Single-baffle, electrically activated, heavy-gage, welded steel diverter finished in durable industrial paint mounts above the container compactor. Utilizes full throat, 45° and 90° directional paths to direct waste to compactor container or recycling turntable.
10. Hydraulic Power Packs: A prepackaged power system with components rated at maximum 3000 psi operating at a recommended pressure of 1100 psi for long life and low maintenance.
11. Recycling Bins: Manufacturer's standard "cylinder-shaped" bins, made of 12 gauge steel and are fitted with side hinged bag holders.

WILKINSON-HI-RISE.
WILKINSON CHUTES©

THIS DRAWING IS THE PROPERTY OF WILKINSON CHUTES
IT IS LOANED ON THE CONDITION THAT IT IS NOT TO BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF, AND IS NOT TO BE USED IN PART TO FURNISH INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, OR PARTS THEREOF. THE ACCEPTANCE OF THIS DRAWING IS AN ACCEPTANCE OF THE FOREGOING CONDITIONS AND THE RECOGNITION OF THE EXCLUSIVE OWNERSHIP IN AND TO THE DRAWINGS AS THE PROPERTY OF WILKINSON HI-RISE.

| DESCRIPTION | REV. | DATE | INIT. |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

MODEL 6RUB-D TURNTABLE WITH MODEL 45K EXTRUDER COMPACTOR

Job Name: 500 West 23rd St.

DWG. SIZE A | DWG. NAME | SCALE: NTS | SHEET: 2 OF 2