

CENTER FOR THE PERFORMING ARTS PARADISE VALLEY COMMUNITY COLLEGE

TECHNICAL RIDER

**Mailing/shipping address:
Center for the Performing Arts
Paradise Valley Community College
18401 North 32nd Street
Phoenix, AZ 85032**

Contact information:

**Dr. Christopher Scinto
Interim Coordinator
602-787-6686
christopher.scinto@pvmail.maricopa.edu
Fax: 602-787-6674**

**Erik reid
Technical Director
602-787-7310
Fax: 602-787-6674**

**Ben Esh
Box Office Coordinator
602-787-7738
ben.esh@pvmail.maricopa.edu
Fax: 602-787-6674**

Table of Contents

Page 3	Area Hotels, Taxi Service, Restaurants, Laundry Service, and Handicapped Access
Page 4	Emergency Contacts, Parking, Travel Directions, Time Zone
Page 5	Management, Load-in Area
Page 6	Carpentry
Page 9	Lighting
Page 11	Sound
Page 13	Props
Page 14	Wardrobe
Page 15	Attachment A
Page 16	Attachment B
Page 17	Attachment C
Page 18	Attachment D

General Information

Area Hotels

Comfort Inn
1711 W. Bell Rd.
Phoenix, AZ
602-866-2089
4.8 miles west

Marriott Canyon Villas
5220 E. Marriott Dr.
Phoenix, AZ
480-629-3200
3.3 miles northeast

Courtyard-Scottsdale North
17010 N. Scottsdale Rd.
Scottsdale, AZ
480-922-8400
5.1 miles east

Taxi Service

Valley Transportation
602-569-5900

Paul's Taxi
602-956-8294

Coast to Coast
602-499-9205

Restaurants

Lucky's Pizza
3130 E. Union Hills Dr. #101
Phoenix, AZ
602-569-6970
.1 mile northwest

Burger King
2439 E. Union Hills
Phoenix, AZ
602-971-9100
.9 mile west

Denny's
3205 E. Bell Rd.
Phoenix, AZ
602-788-1833
1 mile south

Desert Ridge Marketplace
21001 N. Tatum Blvd.
Phoenix, AZ
2.6 miles northeast

Restaurants at Desert Ridge include: Rubio's Baja Grill, T.G.I. Fridays, Panda Express, BJ's Restaurant & Brewhouse, Macaroni Grill, The Keg, Rock Bottom Brewery, Islands, Fat Tuesday, Fat Burger, In & Out Burger

Laundry Service

Ace Express Drycleaners
3329 E. Bell Rd.
Phoenix, AZ
602-569-3558
1 mile south

Al Clean Rite Laundromat and Dry Cleaning
2509 E. Bell Rd.
Phoenix, AZ
602-482-7947
1.3 miles southwest

Summit Laundromat
16406 N. Cave Creek Rd. #1
Phoenix, AZ
602-971-1510
1.6 miles southwest

Handicapped Access

There are three (3) wheel chair locations at mid-house on each side.
Handicapped restroom is located on the east end of the lobby.
Ten (10) hearing assist devices available upon request.

Emergency Numbers: ALL EMERGENCIES - 602-787-7900 Campus Safety

Fire Department - 602-262-6297

Police - 602-495-5006

Ambulance - 602-787-7900 (Campus Safety)

Hospital Emergency Room

Paradise Valley Hospital
3929 E. Bell Rd.
Phoenix, AZ
602-923-5000
1.3 miles southeast

Urgent Care Clinic

Nextcare
20950 N. Tatum Blvd. Suite 190
Phoenix, AZ
1-800-nextcare
2.6 miles northeast

Chiropractic Clinic

Von Rice Chiropractic Clinic
16620 N. 40th St. # 1-4
Phoenix, AZ
602-493-8700
1.6 miles southeast

Whitbeck Chiropractic Clinic
4910 E. Greenway Rd. #4
Scottsdale, AZ
602-867-4800
22.9 miles southeast

Dental Clinic

Hatcher Dental Clinic
502 W. Hatcher Rd.
Phoenix, Az
602-906-9868
6.9 miles southwest

Scottsdale Dental Clinic
7701 E. Indian School Rd. #C
Scottsdale, AZ
480-949-8427
12 miles southeast

Parking

The Center for the Performing Arts has a parking lot adjacent to the building on the east side. The loading dock is at ground level on the west side of the building.

Travel Directions

From the west:
Take I-101 North
Go south on HWY 51
Take the Union Hills exit, go West
Go south at 34th St.
The Center will be in front of you

From the south:
Go north on HWY 51
Take the Union Hills exit, go West
Go south at 34th St.
The Center will be in front of you

From the east:
Take I-101 North
Go south on HWY 51
Take the Union Hills exit, go West
Go south at 34th St.
The Center will be in front of you

From the north:
Go south on I-17
Take the I-101 exit, go East
Go south on HWY 51
Take the Union Hills exit, go West
Go south at 34th St.
The Center will be in front of you

Time Zone

Arizona is in the Mountain Standard time zone. Arizona does not observe Daylight Saving Time.

Management

Production Room

The production room is located directly behind the stage, next to the scene shop. One phone line available, one modem line available, internet access, one PC available. Fax and copy machine are located in adjacent building.

Green Room

The green room is 18'-0" x 37'-9" (5.5m x 11.5m) and is located just off stage right. It has direct access to all other backstage areas as well as the lobby. The green room is furnished with couches, tables and chairs, 100A company switch, monitor system for on-stage, intercom for communication, and a kitchenette area with sinks, storage cabinets, and a microwave oven, for use by or for the artists.

Stage Manager's Console

The control booth has an audio monitor, 3 channel production communication system, and backstage call system. Backstage left has the capacity to have a video monitor, video node (to see light board display), and 3 channel production communication system.

Rehearsal Room

See Green Room

Crews

The in-house crews are paid student staff

Handicapped Access Backstage

There is an elevator to the orchestra pit and control booth. There are handicapped restrooms backstage and in the lobby. Showers in the dressing rooms are handicapped accessible.

Policies

The house opens ½ hour prior to curtain. Normal curtain is 7:30 p.m. Campus is an alcohol-free environment. The building is a smoke-free environment.

Load-in Area

Dimensions

The loading dock can accommodate one truck at a time. It is located in the rear of the scene shop directly behind the stage. The door measures 12'-0" high x 7'-9" wide (3.65m x 2.35m). Dock is at both ground and stage level - no ramps or stairs. Access to the stage from the scene shop is through an 18'-0" x 8'-9" (5.5m x 2.65m) door.

Map

See attachment A

Carpentry

Seating

There are 274 seats, 6 additional for handicapped seating. When audio is located in back of house, 8 seats are removed.

Stage Dimensions

Proscenium Width.....	38'-0" (11.5m)
Proscenium Height.....	22'-0" (6.7m)
Centerline to Stage Left Fly Rail..... (fly rail extends 3'-6" (1m) from the SL wall)	31'-9" (9.7m)
Centerline to Stage Right wall.....	41'-0" (12.5m)
Apron Lip to Back (Upstage) wall..... (apron is straight – runs parallel to curtain line)	42'-6" (13m)
House Curtain Line to Upstage wall.....	36'-0" (11m)
House Curtain Line to Apron lip.....	5'-1" (1.5m)
Height of stage floor above house floor.....	3'-6" (1m)
Width of SL Wing.....	13'-0" (4m)
Depth of SL Wing.....	36'-6" (12.7m)
Width of SR Wing.....	23'-9" (7.25m)
Depth of SR Wing.....	36'-6" (12.7m)

Stage Floor

Stage floor is 1/4" double tempered hardboard laid on top of two layers of 3/4" plywood, each layer buffered with # 15 felt. The understage is composed of 2"x4" sleepers with 1" fiberglass insulation between sleepers. There are no stage traps or elevators in the stage floor. The color of the stage floor is semi-gloss black.

House Draperies (Goods)

All masking curtains, i.e. borders, legs, and traveler are of black velour with no fullness added and are prepared for tie-on mounting. They have all been flame-proofed and certificates of inspection are on file. Please check with Technical Director as to which curtains are presently hanging over the stage and which are in storage.

Main House Curtain

The main house curtain works immediately upstage of the proscenium. This curtain travels in "guillotine" style, permanently installed on line set 0.

Masking Borders

There are four masking borders measuring 45'-0" wide by 8'-0" tall (13.7m x 2.4m), attached with grommets and ties.

Masking Legs

There are 5 pairs (total of 10 pieces) measuring 21'-0" tall by 10'-0" wide (6.4m x 3m), attached with grommets and ties.

There are 5 pairs (total of 10 pieces) measuring 21'-0" tall by 4'-0" wide (6.4m x 1.2m), and are attached with grommets and ties.

Cyclorama

There is one white seamless muslin cyclorama measuring 21'-0" tall by 44'-0" wide (6.4m x 13.4m), permanently installed on line set 37.

Scrim

There is one black sharktooth scrim measuring 21'-0" tall by 44'-0" wide (6.4m x 13.4m) and is attached with grommets and ties.

Traveler There is one velour blackout traveler mounted on a curtain track. This piece can travel horizontally as well as vertically and measures 21'-0" tall by 44'-0" wide (6.4m x 13.4m).

Carpentry Continued

Line Set Data

Line Plot

See attachment B

Working height of battens

The low trim on all battens is 5'-10 1/2" (1.8m). The high trim on all battens is 41'-6" (12.65m)

Battens

38 - 48' (14.6m) battens, 1 1/2" schedule 40 pipe, 5 lift lines

Type

All line sets are multiline II and single purchase

Arbor Capacity

Line sets 1 - 33 have a maximum load of 1672 lbs (758.5k) Line sets 34 - 37 have a maximum load of 924 lbs (419k).

Available Weight

Counterweight available for show use on loading bridge, and midrail is approx. 37,800 pounds

- 1" Counterweight (s) = 7,568 lbs
- 2" Counterweight (s) = 30,228 lbs

Winch Capacity N/A

Loading Gallery

Counterweight loading gallery is located stage left

Height of loading bridge from stage floor.....	43'-5"
(13.25m)	

Loading bridge extends 8'-0" (2.43m) from stage right left

Height of midrail	29'-5"
(9m)	

Midrail extends 9'-5" (2.9m) from stage right wall

Access to the midrail and loading gallery is via stairs and ladder.

Pin Rail N/A

Support Areas

Crossover

Under the stage through the orchestra pit. It is accessible by stairs.

Access

Orchestra Pit

The orchestra pit immediately in front of the stage apron is an electro-mechanical spiral lift with three pre-programmed operating positions - 1) stage level (zero), 2) audience level (3'-6" below stage), and 3) pit level (10'-6" below stage). Maximum capacity for the pit when the lift is down is 30 musicians. Capacity on the lift without the pit is 10.

House

There is house access both stage right and stage left.

Green Room

The green room is located just offstage on stage right and has direct access to all other backstage areas as well as the lobby. The green room is furnished with couches, tables and chairs, 100A company switch, monitor system for on-stage, intercom for communication, and a kitchenette area with sinks, storage cabinets, and a microwave oven, for use by or for the artists.

Make Up Room

Directly off the green room, the make up room has 30 make-up mirrors with lights, 4 sinks, and overhead storage. The room can be left open as one room or split into two by way of an expanding wall, providing independent facilities for each side.

Carpentry continued

Dressing Rooms

Directly off of the make-up room, the dressing rooms are located just offstage on stage right. There is direct access from the loading dock to this area. All areas have monitor systems for on-stage. There are 2 dressing rooms equipped with 2 showers each, one has 30 lockers and the other has 13 lockers. There is a third dressing room with 17 lockers and no shower facilities. There are also separate backstage restroom facilities.

Wardrobe Room

The wardrobe room is located just offstage right and next to the dressing room area. There is direct access from the loading dock to this room. The room is equipped with secure lockers, iron, ironing board, steamer, sewing machines, washer, and a dryer.

Scene Shop

The scene shop is located directly behind the stage through an 18'-0" high x 8' x 9" wide (5.5m x 2.65m) door. All major woodworking tools are available, and mig welding is available. The shop is 41'-0" x 40'-0" (12.5m x 12.2m)

Storage Area

Use Scene Shop

Lighting

Power

There are 4 separate electrically isolated disconnects; each is 3-phase/6-wire 120/208 volt. Two disconnects are located onstage, one upstage right rated at 400 amps, the second located downstage right, rated at 200 amps.

Additional service can be found in the green room and the secondary performance space, each rated at 100 amps.

Dimmers

The house is wired dimmer per circuit to 3 ETC Sensor 48 module installation racks. There are 140 dual 20A modules, as well as four single 20A modules, bringing the total number of dimmable circuits to 284. Non-dim circuits are also available throughout the building. Dimmers 276-283 are utilized for the house lighting system.

Control Board

The main lighting console is an ETC Emphasis system utilizing an Express 125 faceplate. Networking is through ETCNet2, located in the control booth at the rear of the house. The board can also be moved to mid-house and backstage left via ETC Net2.

Houselights

House and rehearsal lighting is supported by an ETC Unison system. Control panels are located in the control booth and backstage left.

Circuits

There are 17- 6 circuit drop boxes over the stage area. The 1st catwalk has 24 circuits and the 2nd catwalk has 18 circuits. There are circuits located throughout the theater.

Circuit chart

See Attachment C

Front of house transfer N/A

Front of house Positions

There are two catwalks circuited for lighting and effects over the house. The throw from the first catwalk to the curtain line is 35'-0" at an angle of 50 degrees. The throw from the second catwalk to the curtain line is 50'-0" at an angle of 37.5 degrees. DMX nodes and non-dim circuits are present along both catwalks.

There are a total of four house booms, two located on either side of the house. The total height from stage level on the first set of booms measures to 16'-9" and ends 8'-0" from stage level. The second set of booms measures 17'-3" from stage level and ends 8'-0" from stage level. There are four horizontal hanging positions, measuring 3'-0" between pipes. The first set of booms measure 7'-9" out from the proscenium wall, and the second set measures 17'-6" out from the proscenium wall.

Equipment Inventory

Instruments

<u>Qty</u>	<u>Description</u>
12	Source Four 10 Degree Ellipsoidals
48	Source Four 19 Degree Ellipsoidals
72	Source Four 26 Degree Ellipsoidals
47	Source Four 36 Degree Ellipsoidals
24	Altman 8" Fresnel
12	Source Four Par HPL575 w/ Lens Kit
8	Altman R40 6' 3 Circuit Strip Lights
10	Altman Sky Cyc 3 Circuit 1 Kw lamps

Follow Spotlights

Two Lycian Super Arc 400W follow spots are available Front of House. The follow spots are located at the back of the house in the spotlight booth.

Lighting Continued

Hardware

10	Source Four Ellipsoidal Iris Kits
30	Source Four Ellipsoidal Pattern Holders
24	Barn doors
8	50 Lbs. Boom Base
30	15" Side Arm
8	1-1/2" Schedule 40 steel pipe
2	1-1/2" Schedule 40 steel pipe @ 12'-0"
8	1-1/2" Schedule 40 steel pipe @ 21'-0"

Cable

All cable is 20A 2PG

<u>Qty</u>	<u>Length</u>
70	5'-0" (1.5m)
30	10'-0" (3m)
20	25'-0" (7.62m)
30	50'-0" (15.25m)
50	Twofers

Film, Video, and Projection Equipment

Projector

One projector available for front projection. The specifications for the projector are as follows:

SANYO PLC - XF45

10,000 Lumen

XGA Native Resolution (1024 X 768 pixels)

1100 : 1 contrast ratio

Screen

One projection (movie) screen measuring 18'-0" tall by 24'-0" wide. This screen is permanently installed on line set 16.

Playback Devices

The control booth has a Phillips DVD Player and JVC SRV1OLUS VHS Player.

DMX

There are 14 DMX 2-Port Nodes available throughout the backstage and catwalk areas.

Sound

Power

120V 1 phase, 15, 20A circuits

There are 4 separate electrically isolated disconnects; each is 3-phase/6-wire 120/208 volt. Two disconnects are located onstage, one is up stage right rated at 400 amps, and the second is located down stage right, rated at 200 amps.

Additional service can be found in the green room and the secondary performance space, each rated at 100 amps.

Wiring

See Attachment D

Control Locations

There are 2 control locations, one in the control booth located at rear of house, the other is the house mix position located at the rear of the house measures 7'-10" x 5'-0" (2.4m x 1.5m) after removing 8 seats.

Hearing Assist System

The theatre is equipped with the Listen Infra-Red system for use by the hard-of-hearing. There are 10 headsets available for the renter's use.

Monitor/Paging System

Every room is accessed from the paging system in the control booth. Program feed is also available to every room.

Production Communications

The intercom system is a Production Intercom system with 4 channel capability. The main control station is located in the booth, with junction boxes located in virtually every area of the building. Please contact the Technical Director for any special needs or concerns you may have.

The Intercom system is composed of the following Production Intercom components:

1	MS-200	Dual Channel Master Station
1	MSM-2	2-Channel Add-On
6	BP-2	Dual Channel Beltpack
3	BP-1	Single Channel Beltpack
9	SMH 210	Single Muff Headset
4	LS-3	Talkback Station
1	Blazon/3	Yellow Warning Strobe
1	HS-1	Telephone Handset

Equipment Inventory

Mixing Consoles

The house mix console is a Yamaha M2500, configured with 32 mono and 4 stereo inputs. There are a total of 48 lines available on and around the stage, with 12 lines in the orchestra pit, with 6 tie lines and 4 returns.

Fixed Speakers

7 - Renkus-Heinz STX6 non-powered mid/high loudspeakers in 3 clusters located in front of the proscenium.

2 - Sound image custom 18" subwoofers located over the house.

10 - Tannoy CMS6-8 6" TDC 8ohm speakers 5 are located on the front of the pit lift and 5 on the front of the stage floor for use when the pit is down.

Portable Speakers

2 - JBL Dual 15" Speaker

2 - Yamaha 15" Speaker

4 - Yamaha 12" Floor Wedge Speaker

2 - Kustom 10" Floor Wedge Speaker

2 - QSC RMX 850 Power Amp

2 - Tannoy V12 12" speaker

Sound continued

Microphones

1 - Sennheiser Handheld MD425	Dynamic Microphone
4 - Sennheiser EW100 Lavalier	Wireless Condenser Microphone
4 - Sennheiser EW112 Handheld	Wireless Condenser Microphone
8 - Audio Technica AT892cLMC-TH	Headset Microphone
4 - Shure SM58 Beta	Dynamic Microphone
2 - Shure SM58 on/off	Dynamic Microphone
5 - Shure SM58 Regular	Dynamic Microphone
6 - Shure SM57	Dynamic Microphone
1 - Shure SM58 Wireless	Dynamic Microphone
1 - Shure SM48	Dynamic Microphone
2 - AKG D112	Low Frequency Dynamic Mic
2 - AKG C2000 B	Condenser Microphones
2 - AKG C414	Condenser Microphones
4 - AKG D9000	Dynamic Microphone
2 - AKG C1000	Condenser Microphones
4 - AKG UHF240	Wireless Dynamic Microphone
4 - Crown PZM 30D	Floor Microphone
1 - Sennheiser E609	Dynamic Microphone
1 - MXL 992	Condenser Microphone
1 - MXL 993	Condenser Microphone
3 - Audix F10	Dynamic Drum Microphone
1 - Audix F12	Dynamic Drum Microphone
2 - Nady CM90	Condenser Microphone
1 - Samson Q1	Condenser Microphone

Playback

- 1 - Marantz CDR-RW + MP3 Dual deck
- 1 - Tascam MD-350 Mini-disc Player
- 1 - Sony PCM-R300 DAT Player
- 1 - Denon Cassette Player Dual Deck

Signal Processors

- 3 - Furman PL-8 series II – power conditioners
- 1 - DBX Limiter
- 1 - TC Electronics M3000 Effects Processor
- 1 - Yamaha SPX2000 Multi FX
- 2 - Ashley GQX Series Graphic EQ
- 1 - Yamaha PW3000 MX Mixing Board power supply
- 2 - Audia FLEX – Configurable Digital Signal Processors

Amplifiers

- 10 - QSC Audio RMX 850 (fixed)
- 2 - QSC Audio RMX 850 (portable)

Cable We have a lot of cable!

Microphone Stands

- 9 - Onstage Boom
- 7 - Quick Lock Boom
- 1 - Quick Lock Straight
- 2 - Onstage Overhead Boom
- 19 - Musicians Friend
- 2 - AKG Boom
- 2 - AX Man Mini Boom (kick mic stand)
- 1 - Excel Mini Boom (kick mic stand)
- 1 - Old Strafr5ight stand (Chrome)
- 4 - Atlas Sound Large Boom
- 4 - Atlas Sound Medium Boom
- 2 - Atlas Sound Small Stand

Props

Orchestra Pit

The orchestra pit immediately in front of the stage apron is an electro-mechanical spiral lift with three pre-programmed operating positions - 1) stage level (zero), 2) audience level (3'-6" (1m) below stage), and 3) pit level (10'-6" (3.2m) below stage). The controls for the lift are located stage right. The pit lift is 8'-11" (2.75m) at the centerline and arcs to 6'-9 ½" (2m) at the ends with a width of 29'-2" (8.9m), the pit extension under the stage is 9'-4 ½" (2.86m) x 38'-6" (11.74m).

Music

Chairs

30 Wenger Posture, black

Stands

30 Wenger classic 50, black

Stand Lights

10 120V non-dimming

Conductors Podium

4'-0" (1.2m)x 4'-0" (1.2m) x 4" (.12m) high. It is carpeted.

Orchestra Shell

A standard SECOA Maestro Orchestra Shell enclosure with 3 ceiling panels is available. It is possible to set the shell in two different sizes to better accommodate small recitals to a large orchestra. It is copper in color to match the house.

Platforms

8 - 6'-0" (1.8m) x 3'-0" (.9m) Wenger platforms that can be legged to a height of 8" (.21m) and 16" (.42m).

Dance Floor

Harlequin Reversible (black/grey) that covers the entire stage (playing area) extending 1'-0" (.30m) past each side of the proscenium wall.

Lecterns

2 blond wood lecterns available. One has a the college logo on it. They have no built in lights.

Lifts/Ladders

Paradise Valley Community College has a JLG 30AM Model battery-operated Genie Lift. The lift has a capacity of 350 lbs. and a working height of 36 ft. Additional specifications are available in advance from the Technical Director.

There is also a 32'-0" extension ladder, as well as 14'-0" and 8'-0" A-frame ladders in stock. There is limited access to a scissors lift as well.

Pianos

Paradise Valley Community College's inventory of pianos is as follows:

Steinway	Concert "D" 9'-0" Grand Piano
(2) Yamaha	6'-0" c3 Baby Grand Pianos
(4) Yamaha	U1 Studio Upright

Piano Tuning

PVCC pianos tuned and serviced by Mark DeCotiis. Contact through the College.

Wardrobe

Make Up Room

Directly offstage right is the make up room, which has 30 make-up mirrors with lights, 4 sinks and overhead storage. The room can be left open as one room or split into two by way of an expanding wall, providing independent facilities for each side.

Dressing Rooms

Directly off of the make-up room, the dressing rooms are located just offstage on stage right. There is direct access to the loading dock to this area. All areas have monitor systems for on-stage. There are 2 dressing rooms equipped with 2 showers each, one has 30 lockers and the other has 13 lockers. There is a third dressing room with 17 lockers and no shower facilities. There are also separate backstage restroom facilities.

Wardrobe Area

The wardrobe room is located just offstage right and next to the dressing room area. There is direct access from the loading dock as well as the dressing rooms and stage through a 5'-0" (1.5m) wide hallway. The room is equipped with secure lockers.

Iron

1 - Bernina IS 60

Ironing Boards

1 - ironing board

Steamer

Bernina iron/steamer combination

Washer/dryer

1 set Amana

Racks

3 rolling clothes racks available

Quick Change Booth N/A

LINESET SCHEDULE

Line #	Dist From Prosc	Batten Width	PVCC House Stock	Show/Production Stock
0	0'-0		Act Curtain	Act Curtain
1	1'-5	48'-0		
2	2'-4	48'-0		
3	3'-5	48'-0		
4	5'-8	48'-0	Clouds	NOT AVAILABLE
5	6'-5	48'-0		
6	7'-0	48'-0		
7	7'-7	48'-0		
8	8'-4	48'-0		
9	9'-0	48'-0		
10	9'-7	48'-0		
11	10'-3	48'-0		
12	11'-9	48'-0		
13	13'-9	48'-0	Clouds	NOT AVAILABLE
14	14'-4	48'-0		
15	15'-0	48'-0		
16	15'-8	48'-0	Screen	NOT AVAILABLE
17	16'-4	48'-0		
18	17'-0	48'-0		
19	17'-8	48'-0		
20	18'-3	48'-0		
21	19'-8	48'-0		
22	21'-2	48'-0	Clouds	NOT AVAILABLE
23	22'-4	48'-0		
24	23'-0	48'-0		
25	23'-8	48'-0		
26	24'-4	48'-0		
27	25'-0	48'-0		
28	25'-7	48'-0		
29	26'-4	48'-0		
30	27'-0	48'-0		
31	27'-6	48'-0		
32	28'-2	48'-0		
33	29'-8	48'-0		
34	31'-2	48'-0		
35	32'-4	48'-0		
36	33'-8	48'-0		
37	35'-0	48'-0	CYC	NOT AVAILABLE