SAFETY INSTRUCTIONS

PROPRI TO ERCTION

1. Post these scaffolding safety guidelines in a conspicuous place and be sure that all persons who erect, dismantle, or use scaffolding are aware of them.
2. Always follow state, local and federal codes, ordinances and regulations pertaining to scaffolding.
3. Prior to erecting scaffolding, survey the job site for hazards such as uncremented earth fills, ditches, drains, high tension wires, unguarded openings and other hazards or conditions created by other trades. These conditions should be corrected or avoided.
4. Inspect all equipment before use. Keep all equipment in good repair. Do not use equipment that is damaged or in disrepair.
5. Scaffold design must include analysis of the erection, use, and dismantling System Scaffolds. Use only parts designed to use on UNIVERSAL SYSTEM SCAFFOLDS.
6. Work platforms must be fully planked either with planks designed to use on UNIVERSAL SYSTEM SCAFFOLDS or with fabricated platforms or planks in good condition.

ERECTION OF FIXED SCAFFOLD

1. Scaffold base must be set on an adequate sill or pad. Base plates must be in firm contact with starter collars or posts. Guardrail posts must be secured to brackets or posts by pinning or bolting.
2. All casters must be secured to adapters with nuts and bolts. Total weight of the tower should not exceed the capacity of the casters.
3. Screw jacks must not be extended more than 12” above the caster base. Tower must be kept level and plumb at all times.
4. Horizontal/diagonal bracing must be used at the top, bottom and every 20’ laterally. Fabricated plank with hooks may replace diagonal bracing. At every tie level, install continuous horizontal diagonal bracing.
5. If prefabricated planks or platforms are used, use only planks designed to use on UNIVERSAL SYSTEM SCAFFOLDS.
6. Install horizontal members on each rosette and firmly set wedges immediately before placing the next member. Do not stand, lean or put weight on horizontal members until the wedges are fully set.
7. Do not climb vertical posts, horizontal members or bracing. Use only proper safe access. Consult your UNIVERSAL DEALER or UNIVERSAL MANUFACTURING CORP. for access information.
8. Do not use ties braces without thorough consideration for the loads to be supported. Do not fasten tie braces to other horizontal members.
9. Do not use truss bearers without thorough consideration for the loads to be supported. Do not fasten tie braces to other horizontal members.
10. Install guardrails, mid rails and toeboards as all openings, open sides and ends of every working platform. Guardrails must be secured to brackets or posts by pinning or bolting.
11. If prefabricated planks or platforms are used, use only planks designed to use on UNIVERSAL SYSTEM SCAFFOLDS.
12. Work platforms must be fully planked either with lumber that has been properly inspected and graded as scaffold plank or with fabricated platforms or planks in good condition.
13. Wall scaffolds must be butted and tied in to the planks from movement.
14. After erecting scaffold, check for access. Jars are in firm contact with starter collars or posts.

ERECTION OF ROLLING SCAFFOLD

1. Height of the tower must not exceed four times the minimum base dimension (three to one in the State of California). Outrigger frames or outrigger units on both sides of the tower may be used to increase base width dimensions when necessary.
2. All casters must be secured to adapters with nuts and bolts. Total weight of the tower should not exceed the capacity of the casters.
3. Screw jacks must not be extended more than 12” above the caster base. Tower must be kept level and plumb at all times.
4. Horizontal/diagonal bracing must be used at the top, bottom and every 20’ laterally. Bracing may replace the diagonal braces or outrigger units. These assemblies may require additional bracing, tying or guying.
5. Circumferential planks avoid completely around or within a structure may be restrained from tipping by the use of a “stand off” bracing member.
6. Stair towers must be tied and bolted at least every 13 vertically.
7. Each post of a free-standing tower must be guyed at the intervals outlined above or otherwise restrained to prevent tipping or overturning.
8. At every tie level, install continuous horizontal diagonal bracing for the full length of the scaffold. After erecting scaffold, be sure access jars are in firm contact with starter collars or posts.
9. In doubt as to the ability of the equipment to do a particular job, consult your UNIVERSAL DEALER or UNIVERSAL MANUFACTURING CORP.

Universal Manufacturing
550 West New Castle St. • Zelienople, PA 16063 • universalscaffold.com
800-836-8780 Fax: 724-452-0576
The Universal System Scaffold Rosette provides total flexibility to lock in any angle plus quickly and accurately align at 90° angles using the keyhole positions. Each Rosette can have up to eight connections at one time.

System Scaffolding Advantages:
- Hot-dipped galvanized
- No bolts or screws
- Pre-measured components/
  No measurements needed
- Erects efficiently
- Conforms to any angle or curve
- Rigid, versatile and very safe
- Can be used in conjunction with Tube and Clamp

The high-strength Mouthpiece uses a Wedge Pin with a reverse slope. The Wedge Pin engages the Rosette entirely through its vertical surface, ensuring a properly seated Mouthpiece on the Rosette while the Wedge is in place. The lobes are reversed to dramatically increase the compression area of the Mouthpiece connector. This provides greater mass area at the bottom of the Mouthpiece.

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### Low Profile Steel Plank

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Length</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>USP20ADG</td>
<td>2’</td>
<td>10.9 lbs</td>
</tr>
<tr>
<td>USP30ADG</td>
<td>3’</td>
<td>15.0 lbs</td>
</tr>
<tr>
<td>USP36ADG</td>
<td>3’ 6”</td>
<td>17.0 lbs</td>
</tr>
<tr>
<td>USP40ADG</td>
<td>4’</td>
<td>19.3 lbs</td>
</tr>
<tr>
<td>USP50ADG</td>
<td>5’</td>
<td>23.0 lbs</td>
</tr>
<tr>
<td>USP60ADG</td>
<td>6’</td>
<td>27.0 lbs</td>
</tr>
<tr>
<td>USP70ADG</td>
<td>7’</td>
<td>32.0 lbs</td>
</tr>
<tr>
<td>USP80ADG</td>
<td>8’</td>
<td>35.0 lbs</td>
</tr>
<tr>
<td>USP100ADG</td>
<td>10’</td>
<td>44.0 lbs</td>
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</tbody>
</table>

*All Sizes Available in 6” Wide Plank*

### Plan Braces

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Bay Size</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>UPB3670</td>
<td>3’ 6” x 7’</td>
<td>19 lbs</td>
</tr>
<tr>
<td>UPB4070</td>
<td>4’ x 7’</td>
<td>19.8 lbs</td>
</tr>
<tr>
<td>UPB5070</td>
<td>5’ x 7’</td>
<td>20.5 lbs</td>
</tr>
</tbody>
</table>

*Call for additional sizes.*

### Adjustable Base

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>USJ20</td>
<td>Screw Jack</td>
<td>13.8 lbs</td>
</tr>
<tr>
<td>USSJ20</td>
<td>Swivel Screw Jack</td>
<td>15.0 lbs</td>
</tr>
</tbody>
</table>

### Plan Braces

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>UBC</td>
<td>Base Collar</td>
<td>3.5 lbs</td>
</tr>
<tr>
<td>UBCB</td>
<td>Base Collar with Bushing</td>
<td>6.0 lbs</td>
</tr>
</tbody>
</table>
SAFETY INSTRUCTIONS

PRIOR TO ERECTION
1. Post these scaffolding safety guidelines in a conspicuous place and be sure that all personnel who erect, dismantle, or use scaffolding are aware of them.
2. Always follow all state, local and federal codes, ordinances and regulations pertaining to scaffolding.
3. Prior to erecting scaffolding, survey the job site for hazards such as unpped earth fills, ditches, docks, high tension wires, unguarded openings and other hazardous conditions created by other trades. These conditions should be corrected or avoided.
4. Impact all equipment before use. Keep all equipment in good repair. Do not use equipment that is damaged or de-energized.
5. Scaffold design must include an analysis of load-carrying members by properly qualified personnel. Load-carrying information is available from your UNIVERSAL DEALER or UNIVERSAL MANUFACTURING CORP.
6. Scaffolds must be erected, moved or disassembled only under the supervision of competent persons.
7. Stationary scaffold over 125’ in height and rolling scaffolds over 100’ in height must be designed by a professional engineer.
8. Never take chances! If in doubt regarding the safety or use of this scaffold, consult your UNIVERSAL DEALER or UNIVERSAL MANUFACTURING CORP.

ERECTION OF FIXED SCAFFOLD
1. Scaffold base must be set on an adequate sill or pad. Base plates must be in firm contact with the ground. Any part of a building or structure used to support the scaffold must be capable of supporting the load to be applied.
2. All casters must be secured to adapters with nuts and bolts. Use only proper safe access. Consult your UNIVERSAL DEALER or UNIVERSAL MANUFACTURING CORP.
3. Screw jacks must not be extended more than 12” above or beyond the capacity of the casters. Do not cantilever truss bearers or other horizontal members.
4. Install guardrails, mid rails and toeboards as all openings, open sides and ends of every working platform. Assure that guardrails, mid-rails and toeboards are in place whenever a scaffold level is planked. Guardrail posts must be secured to brackets or posts by pinning or bolting.
5. Exterior scaffold over 125’ in height and rolling scaffolds over 100’ in height must be designed by a professional engineer.
6. Do not climb vertical posts, horizontal members or bracing. Use only proper safe access. Consult your UNIVERSAL DEALER or UNIVERSAL MANUFACTURING CORP.
7. Do not use truss bearers without thorough consideration for the loads to be supported. Do not cantilever truss bearers or other horizontal members.
9. Horizontal and/or vertical diagonal bracing may be required to prevent racking of the scaffold structure. Consult your UNIVERSAL DEALER or UNIVERSAL MANUFACTURING CORP.
10. Install horizontal members on each rosette and firmly set wedges immediately before placing the next member. Do not stand, lean or put weight on horizontal members until the wedges are fully set.
11. Do not climb vertical posts, horizontal members or bracing. Use only proper safe access. Consult your UNIVERSAL DEALER or UNIVERSAL MANUFACTURING CORP.
12. Casters must be locked at all times the scaffold is not being moved. Do not erect scaffold over 125’ in height and rolling scaffolds over 100’ in height.

ERECTION OF ROLLING SCAFFOLDS
1. Height of the tower must not exceed four times the minimum base dimension (three to one in the State of California). Outrigger frames or outrigger units on both sides of the tower may be used to increase base width dimensions when necessary.
2. All casters must be secured to adapters with nuts and bolts. Flat weight of the tower should not exceed the capacity of the casters.
3. Screw jacks must not be extended more than 12” above the caster base. Tower must be kept level and plumb at all times.
4. Horizontal/diagonal bracing must be used at the bottom and top of tower and at (intermediate levels of 20’). Fabricated plank with hooks may replace this diagonal-bracing. These components may require additional bracing, tying or guy ing.
5. Do not climb vertical posts, horizontal members or bracing. Use only proper safe access. Consult your UNIVERSAL DEALER or UNIVERSAL MANUFACTURING CORP.
6. Casters must be locked at all times the scaffold is not being moved.

ERECTION OF SYSTEM SCAFFOLDS
1. Scaffold must be set on an adequate sill or pad. Base plates must be in firm contact with the ground. Any part of a building or structure used to support the scaffold must be capable of supporting the load to be applied.
2. Do not use truss bearers without thorough consideration for the loads to be supported. Do not cantilever truss bearers or other horizontal members.
4. Horizontal/diagonal bracing may be required to prevent racking of the scaffold structure. Consult your UNIVERSAL DEALER or UNIVERSAL MANUFACTURING CORP.
5. Do not use truss bearers without thorough consideration for the loads to be supported. Do not cantilever truss bearers or other horizontal members.
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