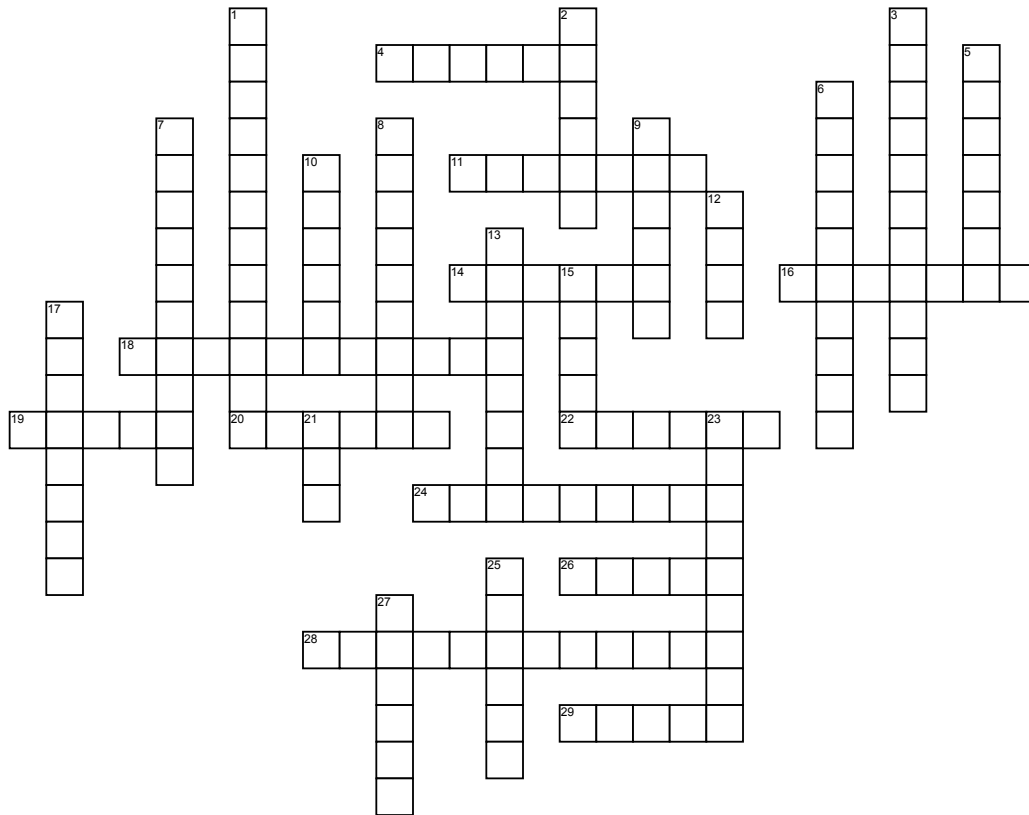


Name: _____

Date: _____

Biggs Cardosa Crossword 1



Across

4. A plate used to connect structural steel members or to reinforce members.
 11. A force that is pulling against something.
 14. The SI unit of measure for force(abbreviation:N)
 16. Location of one of Biggs Cardosa's offices.
 18. A fast-growing project delivery system used in the construction industry.
 19. The main consultant on the project.
 20. A main horizontal, primary structure member spanning between two main supports which carries other members or vertical loads.
 22. The amount a material distorts due to the force applied.
 24. A structure which provides for passage of a highway under a railroad.
 26. $M \times a$
 28. The amount of stress that will cause a material to deform permanently (two words).
 29. A compression force applied to a material in opposite directions that slide past each other across a perpendicular plane.

Down

1. A structure carrying a county road or a city street over a state highway.
 2. The amount of force applied per unit area.
 3. Any load that is changing and/or in motion.
 5. A twisting force where two opposing forces rotate in opposite directions.
 6. The element of a structure which connects it to the ground, and transfers loads from the structure to the ground
 7. A structural member which projects beyond its support and is supported at only one end.
 8. The S in SSI
 9. Causes a rotation about a point or axis which in turn produces bending stresses.
 10. A U.S. state besides California where Biggs Cardosa once had an office.
 12. A bowed structure that transfers its weight evenly. The base, or abutments, prevents the structure from spreading out.
 13. The weight of the materials in the structure itself and all major architectural or product features.

15. A structure comprising of one or more triangular pieces meant to support loads while reducing material usage.
 17. A structure carrying a highway over a railroad.
 21. A standard business process whose purpose is to invite suppliers into a bidding process to bid on specific products or services.
 23. The most feared person on the construction site.
 25. This term is usually reserved for structures over water sources.
 27. The curvature of a beam created so that it will become straight once a load is placed on it.

Word Bank

Overcrossing	Dynamic load	Overhead	Oregon	Newton	Stress
Underpass	Structure	Strain	shear	Dead Load	Inspector
Force	Cantilever	Girder	Arch	Prime	Tension
Torsion	RFQ	Oakland	Elastic Limit	Design build	Foundation
Bridge	Moment	Camber	Truss	Gusset	