



WEBER STATE UNIVERSITY
— PARSON —
CONSTRUCTION
MANAGEMENT TECHNOLOGY



PROJECT

COMMERCIAL GLOSSARY

1310 COMMERCIAL CONSTRUCTION METHODS

DATE

JULY 31, 2013

NAME

SPENCER EASTON



Division 2 Site

General equipment
Site preparation
Site Finish Work

DIVISION 2 - SITE		
General Equipment	Site Preparation/Excavation	Site - Finish Work
☒ Cement Truck	☒ Transit or Laser Level	☒ Finish Grading
☒ Concrete Pump	☐ Corner Markers	☒ CMU Retaining Wall
☐ Boom	☒ Leveling Rod	☐ Interlocking Block Retaining Wall
☒ BobCat	☐ Grade Stake	☐ "Geo Grid"
☐ Front End	☐ Benchmark	☐ Concrete Retaining Wall
☒ Loader	☐ Excavation Shoring	☐ Tiebacks
☒ Back Hoe	☒ Engineered Fill	☐ Sheet Piling
☐ Bull Dozer	☐ Site Testing - Soil Samples & Cores	☐ Soldier Piles
☐ Grader	☒ Compaction Test	☐ Slurry Wall
☐ Crane	☒ Sand	☒ Shoring & Bracing
☐ Pile Driver	☐ Pea Gravel	☐ Dead Man Anchors
☐ Misc. Equipment - Identify	☐ Road Base	☐ Horizontal Timber Retaining Wall
☒ 1 Rolling compactor	☒ Compaction / Tamping	☐ Brick Retaining Wall
☒ 2 Jumpin Jack compactor	☐ Rough Grading	☐ Stone Retaining Wall



CONCRETE TRUCK

TRUCK WITH A LARGE SPINNING CYLINDER FILLED WITH CONCRETE READY TO POUR



BOBCAT (SKID-STEER)

A SMALL RIGID FRAMED, ENGINE POWERED MACHINE WITH LIFT ARMS TO ATTACH TOOLS.



LOADER

LOAD MATERIALS INTO ANOTHER MACHINE (I.E. DUMP TRUCK, RAILCARS)



EXCAVATOR (TRACK HOE)

HYDRAULIC POWERED DIGGING MACHINE



ROLLING COMPACTOR

HEAVY DRUM ATTACHED TO HAMMER DOWN ROUGHLY GRADED AREAS.



JUMP-IN JACK COMPACTOR

SMALL COMPACTOR FOR HARD TO REACH AREAS A TRADITIONAL COMPACTOR CANNOT REACH



LASER LEVEL

CREATES A LASER LAYER THAT CAN BE USED TO MEASURE/SET A GRADE



ENGINEERED FILL

A MIXTURE OF LARGE/MEDIUM AGGREGATE AND FINE GRAIN SAND THAT CAN COMPACT



COMPACTION TEST

MAKES SURE THE GROUND IS COMPACTED ENOUGH AS TO NOT SAG AFTER CONSTRUCTION



FINISH GRADING

SET BY ROLLING AND COMPACTING A PREPARED AREA. NOW READY TO BUILD ON.



SHORING AND BRACING

PLACING SUPPORTIVE STRUCTURES INTO AN EXCAVATED AREA FOR PREVENTION OF COLLAPSE

Division 3 Concrete

Concrete:

Footings

Reinforcing

Finishing

Stairs

Wall framing

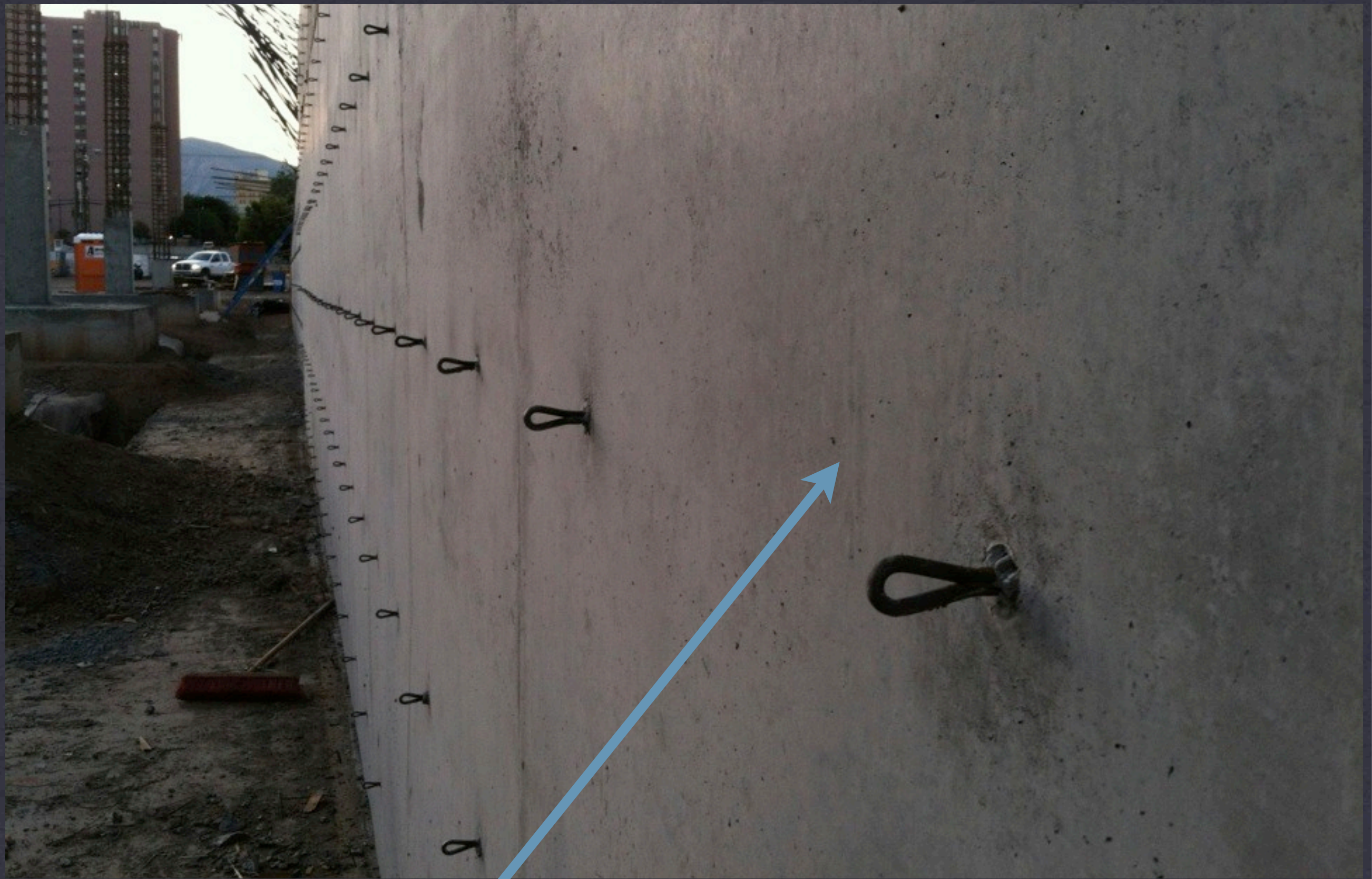
Roof Framing

Floor framing

DIVISION 3 - CONCRETE		
Concrete Footings & Foundations	Concrete Reinforcing	Concrete Finishing
☐ Poured Concrete Foundation Wall	☒ Treated Rebar (Green)	☐ Screeding
☒ Stepped Footing	☐ Welded Wire Fabric (Mesh)	☐ Power Screeding
☒ Foundation Wall Footing	☐ Rebar Chairs	☐ Floating
☐ Pier Footing	☐ Column Ties	☐ Isolation joints
☒ Column or Post Footing	☐ Stirrups	☐ Expansion joints
☐ Foundation Wall Forms	☐ Hooks	☒ Concrete Edging
☐ Wood Walers	☒ Rebar Splicing	☒ Hand Troweling
☐ Form Ties	☐ Vertical Reinforcing Bars	☐ Power Troweling
☐ Snap Form Ties	☐ Horizontal Reinforcing Bars	☐ Stamps / Stamping
☒ Bracing (Conc. Forms)	☐ Reinforcing Bars Dowels	☒ Broom Finish
☐ Expansion Joint EPS Forms	☐ Column Spiral	☐ Salt Finish
☐ Grade Beam	☐ Pretensioning	☐ Bush Hammering
☐ Foundation Mat footing	☐ Posttensioning	☐ Sandblasted
☐ Caisson	☐ Chuck	☐ Board And Batten Pattern
☐ Concrete Pile	☐ Steel Tendons	☐ Ribbed
☐ Wood Pile	☒ Misc. Reinforcing - Identify	☐ Bush Hammered Ribbed
☐ Steel Pile	☐ 1	☐ Other Finishes - Identify
☐ Pile Driver	☐ 2	☐ 1
☐ Misc. Piling - Identify		☐ 2
☒ 1 badder board		

DIVISION 3 - CONCRETE (CONT)		
Stairs	Concrete - Wall Framing	Concrete - Roof Framing
☐ Concrete Stringer or Carriage	☐ Exposed Aggregate	☐ Concrete on Steel Roof Deck
☐ Precast Concrete Tread	☐ Various Concrete Finishes	☐ 2 Way - Waffle - Slab
☐ Concrete Riser	☒ Wall Forms	☐ 1 Way Slab
☒ Concrete Tread Steel Stringer	☐ Concrete Corbel	☐ Concrete Slab
☐ Steel Tread	☐ Concrete Pilaster	☒ Concrete Beam
☒ Steel Grated tread	☒ Concrete Column	☐ Chamfered Corners
	☐ Column Forms	☐ Camber
	☐ Chamfered Corners	☐ Double Tee
	☐ Precast Welding Plate	☐ Single Tee
	☐ Structural Precast wall	☐ Hollow Core Slab
	☐ Double Tee wall	☐ Inverted Tee Beam
	☐ Single Tee wall	☐ Precast Welding Plate
	☐ Tilt-up panel	

Concrete - Floor Framing	
☐ Concrete on Steel Floor Deck	☒ Thickened Slab
☐ 2 Way - Waffle - Slab	☐ Prestressed Concrete
☐ 1 Way Solid Slab	☐ Double Tee
☐ 1 Way Concrete Joist System (Ribbed)	☐ Single Tee
☐ One-way ribbed-slab pan	☐ Spandrel Beam
☐ Waffle-slab dome	☐ Hollow Core Slab
☐ Composite Decking	☐ Inverted Tee Beam
☐ Solid Flat Concrete Slab	☐ Precast Welding Plate
☐ Concrete Beam	☐ Concrete Girder
☒ Chamfered Corners	☐ Camber



FOUNDATION WALL

SITS ON FOOTING AND PROVIDES SUPPORT TO STRUCTURE.



COLUMN OR POST FOOTING

COMES UP THROUGH BUILDING, PROVIDE SUPPORT, CREATE YOUR FLOORS AND CEILINGS



BRACING (CONCRETE FORMS)

HOLDS WOODS FRAME IN PLACE DURING A POUR OF CONCRETE



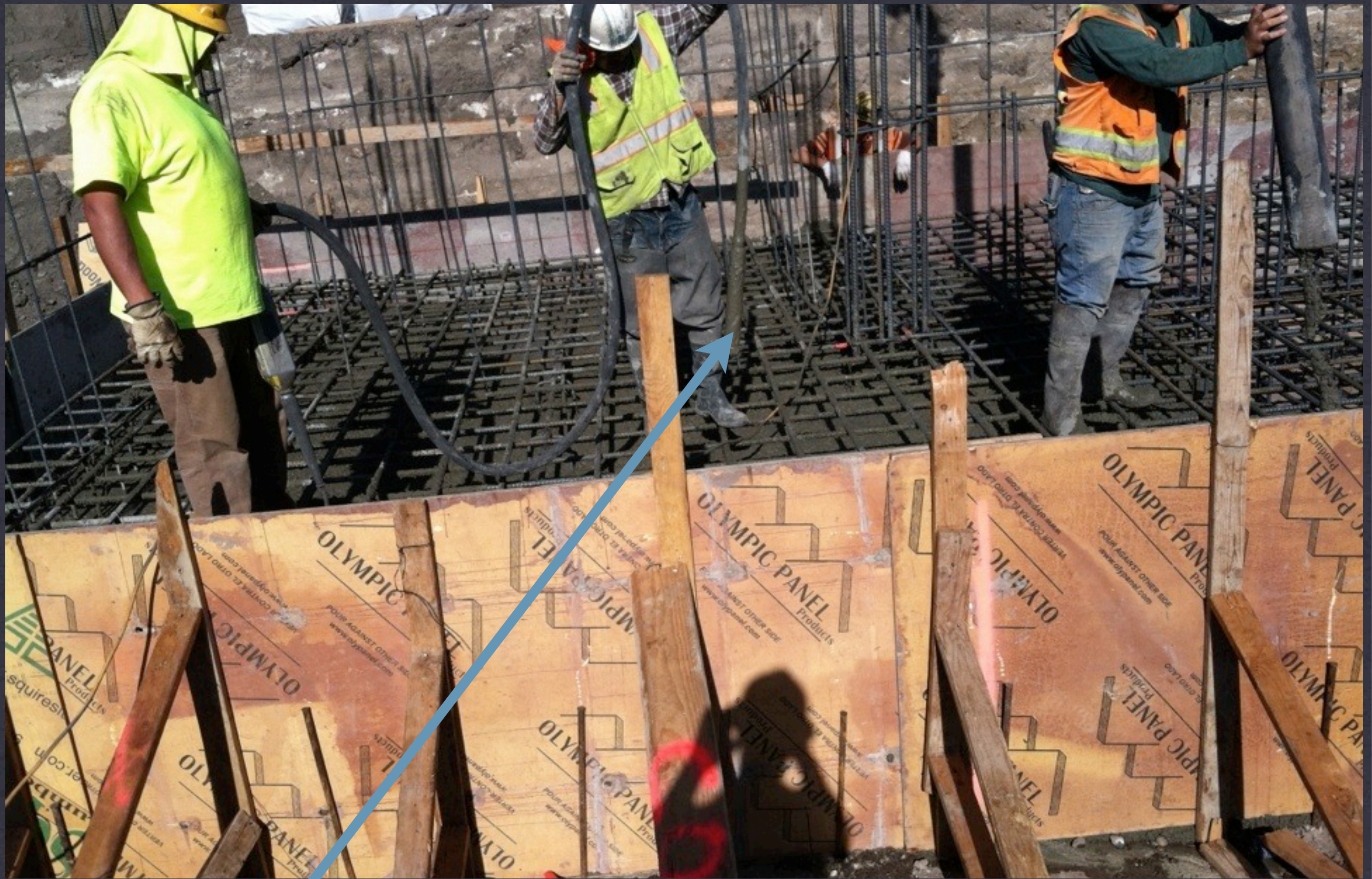
BADDER BOARD

USED TO SET STRING LINES AND FIND MEASUREMENTS FOR LAYOUTS.



TREATED REBAR (GREEN)

CONCRETE REINFORCER WITH A PROTECTIVE EPOXY COATING.



VIBRATOR

USED TO HELP THE CONCRETE PENETRATE BETWEEN THE REBAR.

Division 11 Equipment

11020

11130

11150

DIVISION 11 - EQUIPMENT

(Identify at least 1 item, use a maximum of 3 items - List each by MasterFormat #)

☐	11010 Maintenance Equipment	☐	11160 Loading Dock Equipment
☒	11020 Security and Vault Equipment	☐	11170 Solid Waste Handling Equip
☐	11030 Teller and Service Equipment	☐	11190 Detention Equipment
☐	11050 Library Equipment	☐	11280 Hydraulic Gates and Valves
☐	11060 Theater and Stage Equip	☐	11470 Darkroom Equipment
☐	11070 Instrumental Equipment	☐	11500 Industrial and Process Equipment
☐	11080 Registration Equipment	☐	11600 Laboratory Equipment
☐	11090 Checkroom Equipment	☐	11650 Planetarium Equipment
☐	11120 Vending Equipment	☐	11700 Medical Equipment
☒	11130 Audio-Visual Equipment	☐	11780 Mortuary Equipment
☐	11140 Vehicle Service Equipment	☐	11850 Navigation Equipment
☒	11150 Parking Control Equipment		



11020 SECURITY AND VAULT EQUIPMENT

AN ACCESS POINT TO ENTER INTO A SECURITY ZONE.



11130 AUDIO-VISUAL EQUIPMENT

A VIDEO PERFORMANCE OF A WAY TO USE COMPUTERS.



11150 PARKING CONTROL EQUIPMENT

PARKING LOT GATES WITH AUTOMATED ACCESS POINTS.

Division 26 Electrical

Electrical

Lighting System

DIVISION 26 - ELECTRICAL

Electrical Systems

☐	Raceway
☒	Cable tray
☐	Fiber Optic cable
☐	Junction box
☐	Power generator
☒	Voltage Transformers
☐	Panelboard
☐	Luminarie accessory
☐	Temporary lighting
☐	Communication equipment
☐	Switchboards
☐	Motor Control
☐	Other – Identify
☐	1
☐	2

Lighting Systems

	Identify system -
☒	1 down lighting
☐	2



CABLE TRAY

USED TO ORGANIZE AND CONDENSE ELECTRICAL CONDUITS



VOLTAGE TRANSFORMERS

ELECTRIC METHOD TO CONVERT ELECTRICITY TO USABLE AMPERAGE/ WATTAGE



DOWN LIGHTING

LIGHTING IN A SUSPENDED CEILING USUALLY FLORESCENT LIGHT LUMINARIES