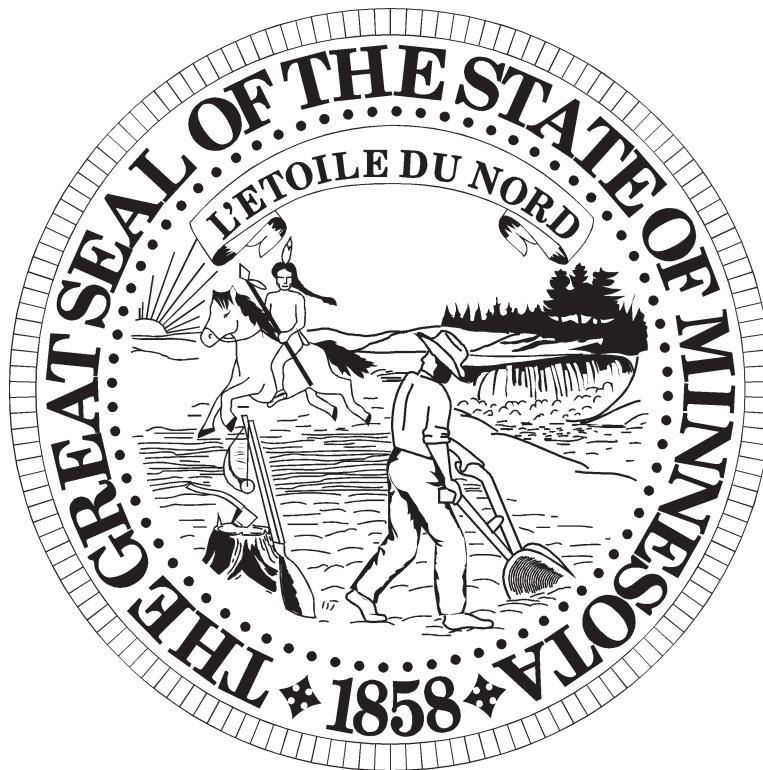


State of Minnesota

State Register



**Proposed, Adopted, & Expedited Rules; Executive Orders; Appointments;
Commissioners' Orders; Revenue Notices; Official Notices;
State Grants & Loans; State Contracts; Non-State Public Bids, Contracts & Grants**
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State Register

Judicial Notice Shall Be Taken of Material Published in the *State Register*

The *State Register* is the official publication of the State of Minnesota's Executive Branch of government, published weekly to fulfill the legislative mandate set forth in *Minnesota Statutes*, Chapter 14, and *Minnesota Rules*, Chapter 1400. The *State Register* contains:

- Proposed Rules
- Adopted Rules
- Exempt Rules
- Expedited Rules
- Withdrawn Rules
- Vetoed Rules
- Executive Orders of the Governor
- Appointments
- Proclamations
- Commissioners' Orders
- Revenue Notices
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- State Grants and Loans
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# 9	Monday 30 August	Noon Tuesday	24 August	Noon Wednesday	18 August
# 10	TUESDAY 7 SEPTEMBER	Noon Tuesday	31 August	Noon Wednesday	25 August
# 11	Monday 13 September	Noon Tuesday	7 September	Noon Wednesday	1 September
# 12	Monday 20 September	Noon Tuesday	14 September	Noon Wednesday	8 September

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Minnesota Rules: Amendments and Additions

NOTICE: How to Follow State Agency Rulemaking in the State Register

The *State Register* is the official source, and only complete listing, for all state agency rulemaking in its various stages. State agencies are required to publish notice of their rulemaking action in the *State Register*. Published every Monday, the *State Register* makes it easy to follow and participate in the important rulemaking process. Approximately 80 state agencies have the authority to issue rules. Each agency is assigned specific **Minnesota Rule** chapter numbers. Every odd-numbered year the **Minnesota Rules** are published. Supplements are published to update this set of rules. Generally speaking, proposed and adopted exempt rules do not appear in this set because of their short-term nature, but are published in the *State Register*.

An agency must first solicit **Comments on Planned Rules** or **Comments on Planned Rule Amendments** from the public on the subject matter of a possible rulemaking proposal under active consideration within the agency (*Minnesota Statutes* §§ 14.101). It does this by publishing a notice in the *State Register* at least 60 days before publication of a notice to adopt or a notice of hearing, or within 60 days of the effective date of any new statutory grant of required rulemaking.

When rules are first drafted, state agencies publish them as **Proposed Rules**, along with a notice of hearing, or a notice of intent to adopt rules without a hearing in the case of noncontroversial rules. This notice asks for comment on the rules as proposed. Proposed emergency rules, and withdrawn proposed rules, are also published in the *State Register*. After proposed rules have gone through the comment period, and have been rewritten into their final form, they again appear in the *State Register* as **Adopted Rules**. These final adopted rules are not printed in their entirety, but only the changes made since their publication as Proposed Rules. To see the full rule, as adopted and in effect, a person simply needs two issues of the *State Register*, the issue the rule appeared in as proposed, and later as adopted.

The *State Register* features partial and cumulative listings of rules in this section on the following schedule: issues #1-13 inclusive; issues #14-25 inclusive (issue #26 cumulative for issues #1-26); issues #27-38 inclusive (issue #39, cumulative for issues #1-39); issues #40-52 inclusive, with final index (#1-52, or 53 in some years). An annual subject matter index for rules was separately printed usually in August, but starting with Volume 19 now appears in the final issue of each volume. For copies or subscriptions to the *State Register*, contact Minnesota's Bookstore, 660 Olive Street (one block east of I-35E and one block north of University Ave), St. Paul, MN 55155, phone: (612) 297-3000, or toll-free 1-800-657-3757.

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Comments on Planned Rules or Rule Amendments. An agency must first solicit Comments on Planned Rules or Comments on Planned Rule Amendments from the public on the subject matter of a possible rulemaking proposal under active consideration within the agency (*Minnesota Statutes* §§ 14.101). It does this by publishing a notice in the *State Register* at least 60 days before publication of a notice to adopt or a notice of hearing, and within 60 days of the effective date of any new statutory grant of required rulemaking.

Rules to be Adopted After a Hearing. After receiving comments and deciding to hold a public hearing on the rule, an agency drafts its rule. It then publishes its rules with a notice of hearing. All persons wishing to make a statement must register at the hearing. Anyone who wishes to submit written comments may do so at the hearing, or within five working days of the close of the hearing. Administrative law judges may, during the hearing, extend the period for receiving comments up to 20 calendar days. For five business days after the submission period the agency and interested persons may respond to any new information submitted during the written submission period and the record then is closed. The administrative law judge prepares a report within 30 days, stating findings of fact, conclusions and recommendations. After receiving the report, the agency decides whether to adopt, withdraw or modify the proposed rule based on consideration of the comments made during the rule hearing procedure and the report of the administrative law judge. The agency must wait five days after receiving the report before taking any action.

Rules to be Adopted Without a Hearing. Pursuant to *Minnesota Statutes* § 14.22, an agency may propose to adopt, amend, suspend or repeal rules without first holding a public hearing. An agency must first solicit **Comments on Planned Rules** or **Comments on Planned Rule Amendments** from the public. The agency then publishes a notice of intent to adopt rules without a public hearing, together with the proposed rules, in the *State Register*. If, during the 30-day comment period, 25 or more persons submit to the agency a written request for a hearing of the proposed rules, the agency must proceed under the provisions of §§ 14.14-14.20, which state that if an agency decides to hold a public hearing, it must publish a notice of intent in the *State Register*.

KEY: Proposed Rules - Underlining indicates additions to existing rule language. ~~Strikeouts~~ indicate deletions from existing rule language. If a proposed rule is totally new, it is designated "all new material." **Adopted Rules** - Underlining indicates additions to proposed rule language. ~~Strikeout~~ indicates deletions from proposed rule language.

Minnesota Department of Labor and Industry (DLI)

Apprenticeship and Labor Standards Division

Proposed Permanent Rules Relating to Prevailing Wage Category Descriptions

NOTICE OF HEARING

Proposed Amendment to Rules Governing Prevailing Wage Category Descriptions in Primary Classes of Labor for Laborers and Special Crafts, *Minnesota Rules*, Parts 5200.1000 to 5200.1120

Public Hearing. The Department of Labor and Industry intends to adopt rules after a public hearing following the procedures in the rules of the Office of Administrative Hearings, *Minnesota Rules*, parts 1400.2200 to 1400.2240, and the Administrative Procedure Act, *Minnesota Statutes*, sections 14.131 to 14.20. The agency will hold a public hearing on the above-named rules in the Minnesota Room at the Department of Labor and Industry, 443 Lafayette Road North, St. Paul, MN 55155, starting at 9:30 A.M. on Thursday, September 30, 2010, and, if necessary, continuing on October 1, 2010, until the hearing is completed. The agency will schedule additional days of hearing if necessary. All interested or affected persons will have an opportunity to participate by submitting either oral or written data, statements, or arguments. Statements may be submitted without appearing at the hearing.

Administrative Law Judge. Administrative Law Judge Richard C. Luis will conduct the hearing. The judge can be reached at the Office of Administrative Hearings, 600 North Robert Street, P.O. Box 64620, Saint Paul, Minnesota 55164-0620; **telephone:** (651) 361-7900, and **fax:** (651) 361-7936. The rule hearing procedure is governed by *Minnesota Statutes*, sections 14.131 to 14.20, and by the rules of the Office of Administrative Hearings, *Minnesota Rules*, parts 1400.2000 to 1400.2240. You should direct questions about the rule hearing procedure to the administrative law judge.

Subject of Rules, Statutory Authority, and Agency Contact Person. The proposed rules clarify which job classifications cover which construction techniques, practices, and equipment for the purpose of applying prevailing wage rates. These proposed rule amendments deal with both highway and heavy construction and commercial construction. The purpose of the proposed rules is to prevent misclassification of workers by using common laborers or skilled laborers instead of skilled tradesmen, or the "Special Crafts" as they are called in the master job classifications. The Laborer classifications normally have a lower rate than the Special Crafts classifications. The proposed rules clarify the nature of work, typical duties, and typical tools used in the Master Job Classifications for Laborers, Classification Numbers 101-112, and the Special Crafts, Classification Numbers 701-730. The proposed rules do not attempt to do the same to the classifications for operators of Special Equipment, Power Equipment Operators and Truck Drivers, because there is not confusion about the scope of work for the operators or drivers of this equipment. The proposed rules do add one new master job classification to *Minnesota Rule* 5200.1100, subpart 2a, Special equipment.

Proposed Rules

The proposed rules are authorized by *Minnesota Statutes*, sections 175.171 and 177.28.

A copy of the proposed rules is published in the *State Register*. The current version of the proposed rules is also on the Department's rule docket web site at: <http://www.dli.mn.gov/PDF/docket/5200ClassesOfLabor.pdf>

A free copy of the rules is available upon request from the agency contact person. **The agency contact person is:** Laura Alsides, Department of Labor and Industry, 443 Lafayette Rd. N., St. Paul, MN 55155; **telephone:** (651) 284-5006; **e-mail:** dli.rules@state.mn.us. **TTY** users may call the Department of Labor and Industry at (651) 297-4198.

Statement of Need and Reasonableness. The statement of need and reasonableness statement contains a summary of the justification for the proposed rules, including a description of who will be affected by the proposed rules and an estimate of the probable cost of the proposed rules. It is now available from the agency contact person. You may review or obtain copies the cost of reproduction by contacting the agency contact person. The statement of need and reasonableness is also available for review on the Department's rule docket web site at: <http://www.dli.mn.gov/PDF/docket/5200ClassesOfLabor.pdf>

Public Comment. You and all interested or affected persons, including representatives of associations and other interested groups, will have an opportunity to participate. *The administrative law judge will accept your views* either orally at the hearing or in writing at any time before the close of the hearing record. Submit written comments *to the administrative law judge at the address above or to rulecomments@state.mn.us*. All evidence that you present should relate to the proposed rules. You may also submit written material *to the administrative law judge* to be recorded in the hearing record for five working days after the public hearing ends. At the hearing the administrative law judge may order this five-day comment period extended for a longer period but for no more than 20 calendar days. Following the comment period, there is a five-working-day rebuttal period during which the agency and any interested person may respond in writing to any new information submitted. No one may submit additional evidence during the five-day rebuttal period. The Office of Administrative Hearings must receive all comments and responses submitted to the administrative law judge no later than 4:30 p.m. on the due date. All comments or responses received are public and will be available for review at the Office of Administrative Hearings.

The agency requests that any person submitting written views or data to the administrative law judge before the hearing or during the comment or rebuttal period also submit a copy of the written views or data to the agency contact person at the address stated above.

Alternative Format/Accommodation. Upon request, the agency can make this Notice available in an alternative format, such as large print, Braille, or cassette tape. To make such a request or if you need an accommodation to make this hearing accessible, please contact the agency contact person at the address or telephone number listed above.

Modifications. The agency may modify the proposed rules as a result of the rule hearing process. It must support modifications by data and views presented during the rule hearing process. The adopted rules may not be substantially different than these proposed rules, unless the agency follows the procedure under *Minnesota Rules*, part 1400.2110. If the proposed rules affect you in any way, the agency encourages you to participate.

Adoption Procedure after the Hearing. After the close of the hearing record, the administrative law judge will issue a report on the proposed rules. You may ask to be notified of the date when the judge's report will become available, and can make this request at the hearing or in writing to the administrative law judge. You may also ask to be notified of the date that the agency adopts the rules and files them with the Secretary of State, or ask to register with the agency to receive notice of future rule proceedings. You may make these requests at the hearing or in writing to the agency contact person stated above.

Lobbyist Registration. *Minnesota Statutes*, chapter 10A, requires each lobbyist to register with the State Campaign Finance and Public Disclosure Board. You should direct questions regarding this requirement to the Campaign Finance and Public Disclosure Board at: Suite #190, Centennial Building, 658 Cedar Street, St. Paul, Minnesota 55155, **telephone:** (651) 296-5148 or 1-800-657-3889.

Order. I order that the rulemaking hearing be held at the date, time, and location listed above.

Dated: 18 August 2010

Steve Sviggum, Commissioner
Department of Labor and Industry

5200.1010 DEFINITIONS.

Subpart 1. **Scope.** For purposes of all wage rate determinations, the following definitions shall apply.

Subp. 1a. **Adjacent county.** “Adjacent county” means a county that shares a common border with another county.

Subp. 2. **Commercial construction.** “Commercial construction” means all building construction projects exclusive of residential construction. Commercial construction includes all site work, paving, sidewalks, parking ramps, landscaping, and covered work incidental to the commercial building contract. Demolition or site work preparatory to building construction is considered a part of commercial construction.

Subp. 3. **Highway and heavy construction.** “Highway and heavy construction” means all construction projects which are similar in nature to those projects based upon bids as provided under *Minnesota Statutes*, section 161.32 for the construction or maintenance of highways or other public works and includes roads, highways, streets, airport runways, bridges, ~~power plants, dams, and utilities, rails, and railroads.~~ Highway and heavy construction also includes: athletic fields, playgrounds, park shelters and trails, communication towers, power plants, filtration, water and solid waste treatment plants, dams, dikes, flood control projects, utilities, wind farms, solar collection farms, and landfills. Highway and heavy construction includes all work incidental to the construction of a power, water, or waste plant when the primary scope of work is the utility and the building is an enclosed shelter.

Subp. 4. **Project.** As utilized in parts 5200.1000 to 5200.1120 the term “project” means the erection, construction, remodeling, or repairing of commercial, residential, or public buildings or any highway and heavy construction.

Subp. 5. **Residential construction or agricultural construction.** “Residential construction or agricultural construction” means all construction, remodeling, or repairing of single or two family homes and structures appurtenant thereto including agricultural or farming buildings appurtenant to private farm residences when utilized to carry on primary farming operations.

Subp. 6. **State project.** “State project” means those projects which are subject to the requirements of *Minnesota Statutes*, sections 177.41 to 177.44.

5200.1040 CLASSES OF LABOR.

Each class of labor shall be based upon the particular nature of the work performed with consideration given to those trades, occupations, skills, or work generally considered within the construction industry as constituting distinct classes of labor. Wage determinations will be issued for those separate classes of labor which fall under the following general classes:

A. Laborers.

B. Power equipment operators.

C. Truck drivers.

D. Special equipment.

E. Special crafts. The following crafts shall constitute separate classes of labor: bricklayers, carpenters, cement masons, line persons, electricians, iron workers, painters, pipefitters, plumbers, plasterers, roofers, and sheet metal workers, and other labor or work which is customarily considered as an individual trade or craft based upon its character and skills required.

F. In determining particular classes of labor, the department shall consider work classifications contained in collective bargaining agreements, apprenticeship agreements on file with the department, the “United States Department of Labor ~~Dictionary of Occupational Titles,~~” “O*NET OnLine” Web site, and customs and usage applicable to the construction industry.

G. Primary responsibility for classifying individual workers shall be upon the contractor.

H. Where a worker performs work in more than one class of labor on a project, the worker shall be placed in the class in which the person worked the greatest number of hours.

I. The contractor reporting shall have the responsibility to determine the class in which the worker has worked the greatest number

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of hours on each project reported.

J. Workers employed within a class of labor as apprentices, helpers, supervisors, or trainees will not be included or counted within the wage survey.

5200.1100 MASTER JOB CLASSIFICATIONS.

Subpart 1. Requirement.

A. For purposes of parts 5200.1000 to 5200.1120, contractors must use the following codes and classifications in documenting classes of labor.

B. Descriptions of the nature of work, typical duties, and typical tools used for each code and classification of labor in subparts 2 and 5 are described in parts 5200.1101 and 5200.1102, respectively. A worker classified by a code under subpart 2 or 5 must be classified by the code and classification that best matches the worker's nature of work, typical duties, and typical tools used.

Subp. 2. Laborers.

Code No.	Position Title
101	Laborer, common (general labor work)
102	Laborer, skilled (assisting skilled craft journeyman)
103	Laborer, Landscaping (gardener, sod layer and nursery operator)
104	Flag person
105	Watch person
106	Blaster
107	Pipelayer (water, sewer and gas)
108	Tunnel miner
109	Underground and open ditch laborer (eight feet below starting grade level)
110	Survey field technician (operate total station, GPS receiver, level, rod or range poles, steel tape measurement; mark and drive stakes; hand or power digging for and identification of markers or monuments; perform and check calculations; review and understand construction plans and land survey materials). This classification does not apply to the work performed on a prevailing wage project by a land surveyor who is licensed pursuant to <i>Minnesota Statutes</i> , sections 326.02 to 326.15.
111	Traffic control person (temporary signage)
112	Quality control tester (field and covered off-site facilities; testing of aggregate, asphalt, and concrete materials); limited to Minnesota Department of Transportation highway and heavy construction projects where the Minnesota Department of Transportation has retained quality assurance professionals to review and interpret the results of quality control testers' services provided by the contractor.

Subp. 2a. Special equipment.

Code No.	Position Title
201	Articulated hauler
202	Boom truck
203	Landscaping equipment, includes hydro seeder or mulcher, sod roller, farm tractor with attachment specifically seeding sodding, or plant, and two-framed forklift (excluding front, posi-track, and skid steer loaders), no earthwork or grading for elevations
204	Off-road truck
<u>205</u>	<u>Pavement marking or removal equipment (one or two person operators); self-propelled, truck or trailer mounted units. The nature of the work performed by the operator of this equipment is the application of and removal of pavement marking. Normally paint is applied, but tape is also used to mark these lines. The systems included on this equipment include skip line controllers, paint and bead monitoring, air pressure regulators, paint agitators and heaters, marking tape, water jet cutting, line marking grinders, vacuum collection, footage counters, mounted video camera, and laser alignment guiding tools.</u>

Subp. 3. **Power equipment operators - highway and heavy projects.** For purposes of parts 5200.1000 to 5200.1120, contractors must use codes and classifications in this subpart for paying and documenting equipment operators working on highway and heavy type construction projects.

Code No.	Position Title
Group 2	
302	Helicopter pilot
303	Concrete pump
304	All cranes with over 135-foot boom, excluding jib
305	Dragline, crawler, hydraulic backhoe (track or wheel mounted) and/or other similar equipment with shovel-type controls three cubic yards and over manufacturer's rated capacity including all attachments
306	Grader or motor patrol
307	Pile driving
308	Tugboat - 100 h.p. and over when license required
Group 3	
309	Asphalt bituminous stabilizer plant
310	Cableway
311	Concrete mixer, stationary plant
312	Derrick (guy or stiffleg) (power) (skids or stationary)
313	Dragline, crawler, hydraulic backhoe (track or wheel mounted) and/or similar equipment with shovel-type controls, up to three cubic yards manufacturer's rated capacity including all attachments
314	Dredge or engineers, dredge (power) and engineer
315	Front end loader, five cubic yards and over including attachments
316	Locomotive crane operator
317	Mixer (paving) concrete paving, road mole, including mucking operations, Conway or similar type
318	Mechanic - welder on power equipment
319	Tractor - boom type
320	Tandem scraper
321	Truck crane - crawler crane
322	Tugboat 100 h.p. and over
Group 4	
323	Air track rock drill
324	Automatic road machine (CMI or similar)
325	Backfiller operator
326	Concrete batch plant operator
327	Bituminous rollers, rubber tired or steel drummed (eight tons and over)
328	Bituminous spreader and finishing machines (power), including pavers, macro surfacing and micro surfacing, or similar types (operator and screed person)
329	Brokk or R.T.C. remote control or similar type with all attachments
330	Cat challenger tractors or similar types pulling rock wagons, bulldozers, and scrapers
331	Chip harvester and tree cutter
332	Concrete distributor and spreader finishing machine, longitudinal float, joint machine, and spray machine
333	Concrete mixer on jobsite
334	Concrete mobil
335	Crushing plant (gravel and stone) or gravel washing, crushing and screening plant
336	Curb machine
337	Directional boring machine
338	Dope machine (pipeline)
339	Drill rigs, heavy rotary or churn or cable drill
340	Dual tractor
341	Elevating grader
342	Fork lift or straddle carrier
343	Fork lift or lumber stacker
344	Front end, posi-track, or skid steer loaders, over one cubic yard up to five cubic yards with attachments
345	GPS remote operating of equipment
346	Hoist engineer (power)
347	Hydraulic tree planter

Proposed Rules

348	Launcher person (tanker person or pilot license)
349	Locomotive
350	Milling, grinding, planing, fine grade, or trimmer machine
351	Multiple machines, such as air compressors, welding machines, generators, pumps
352	Pavement breaker or tamping machine (power driven) might mite similar type
353	Pickup sweeper, one cubic yard and over hopper capacity
354	Pipeline wrapping, cleaning or bending machine
355	Power plant engineer, 100 KWH and over
356	Power actuated horizontal boring machine, over six inches
357	Pugmill
358	Pumpcrete
359	Rubber-tired farm tractor with backhoe including attachments
360	Scraper
361	Self-propelled soil stabilizer
362	Slip form (power driven) (paving)
363	Tie tamper and ballast machine
364	Tractor, bulldozer
365	Tractor, wheel type, over 50 h.p. with PTO unrelated to landscaping
366	Trenching machine (sewer, water, gas) excludes walk behind trencher
367	Tub grinder, morbark, or similar type
368	Well point dismantling or installation

Group 5

369	Air compressor, 600 CFM or over
370	Bituminous roller (under eight tons)
371	Concrete saw (multiple blade) (power operated)
372	Form trench digger (power)
373	Front end, skid steer, or posi-track loaders, up to and including one cubic yard with attachments
374	Gunite gunall
375	Hydraulic log splitter
376	Loader (barber greene or similar type)
377	Post hole driving machine/post hole auger
378	Power actuated auger and boring machine
379	Power actuated jack
380	Pump
381	Self-propelled chip spreader (flaherty or similar)
382	Sheep foot compactor with blade - 200 h.p. and over
383	Shouldering machine (power) apSCO or similar type including self-propelled sand and chip spreader
384	Stump chipper and tree chipper
385	Tree farmer (machine)

Group 6

387	Cat, challenger, or similar type of tractors, when pulling disk or roller
388	Conveyor
389	Dredge deck hand
390	Fire person or tank car heater
391	Gravel screening plant (portable not crushing or washing)
392	Greaser (tractor)
393	Lever person
394	Oiler (power shovel, crane, truck crane, dragline, crushers, and milling machines, or other similar heavy equipment)
395	Power sweeper
396	Sheep foot roller and rollers on gravel compaction, including vibrating rollers
397	Tractor, wheel type, over 50 h.p., unrelated to landscaping

Proposed Rules

Subp. 3a. **Power equipment operators commercial projects.** For purposes of parts 5200.1000 to 5200.1120, contractors must use codes and classifications in this subpart for paying and documenting power equipment operators working on commercial type projects.

Code No.	Position Title
Group 1	
501	Helicopter pilot
502	Tower crane 250 feet and over
503	Truck or crawler crane with 200 feet of boom and over, including jib
Group 2	
504	Concrete pump with 50 meters/164 feet of boom and over
505	Pile driving when three drums in use
506	Tower crane 200 feet and over
507	Truck or crawler crane with 150 feet of boom up to and not including 200 feet, including jib
Group 3	
508	All-terrain vehicle cranes
509	Concrete pump 32-49 meters/102-164 feet
510	Derrick (guy & stiffleg)
511	Stationary tower crane up to 200 feet
512	Self-erecting tower crane 100 feet and over measured from boom foot pin
513	Traveling tower crane
514	Truck or crawler crane up to and not including 150 feet of boom, including jib
Group 4	
515	Crawler backhoe including attachments
516	Fireperson, chief boiler license
517	Hoist engineer (three drums or more)
518	Locomotive
519	Overhead crane (inside building perimeter)
520	Tractor - boom type
Group 5	
521	Air compressor 450 CFM or over (two or more machines)
522	Concrete mixer
523	Concrete pump up to 31 meters/101 feet of boom
524	Drill rigs, heavy rotary or churn or cable drill when used for caisson for elevator or building construction
525	Forklift
526	Front end, posi-track, and skid steer type loaders one cubic yard and over, including attachments
527	Hoist engineer (one or two drums)
528	Mechanic-welder (on power equipment)
529	Power plant (100 KW and over or multiples equal to 100 KW and over)
530	Pump operator and/or conveyor (two or more machines)
531	Self-erecting tower crane under 100 feet measured from boom foot pin
532	Straddle carrier
533	Tractor over D2
534	Well point pump
Group 6	
535	Concrete batch plant
536	Fireperson, first class boiler license
537	Front end, posi-track, and skid steer type loaders up to one cubic yard, including attachments
538	Guniting machine
539	Tractor operator D2 or similar size

Proposed Rules

540 Trenching machine (sewer, water, gas) excludes walk behind trencher

Group 7

541 Air compressor 600 CFM or over

542 Brakeperson

543 Concrete pump/pumpcrete or complaco type

544 Fireperson, temporary heat second class boiler license

545 Oiler (power shovel, crane, truck crane, dragline, crushers and milling machines, or other similar power equipment)

546 Pick-up sweeper (one cubic yard hopper capacity)

547 Pump and/or conveyor

Group 8

548 Elevator operator

549 Greaser

550 Mechanical space heater (temporary heat no boiler license required)

Subp. 4. Truck drivers.

Code No.	Position Title
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Group 1

601	Mechanic - welder (<u>on vehicles in Code Nos. 602 through 616</u>)
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602	Tractor trailer driver
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603	Truck driver (hauling machinery including operation of hand and power operated winches)
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Group 2

604	Four or more axle unit, straight body truck
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Group 3

605	Bituminous distributor driver
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606	Bituminous distributor (one person operation)
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607	Three axle units
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Group 4

608	Bituminous distributor spray operator (rear and oiler)
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609	Dump person
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610	Greaser
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611	Pilot car driver
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612	Rubber-tired, self-propelled packer, under eight tons
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613	Two axle unit
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614	Slurry operator
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615	Tank truck helper (gas, oil, road oil, and water)
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616	Tractor operator, under 50 h.p.
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Subp. 4a. **Unit.** For the purposes of subpart 4, “unit” refers to all axles including the steering axle.

Subp. 5. Special crafts.

Code No.	Position Title
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701	Heating and frost insulators
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702	Boilermakers
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703	Bricklayers
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704	Carpenters
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705	Carpet layers (linoleum)
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706	Cement masons
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707	Electricians
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708	Elevator constructors
709	Glaziers
710	Lathers
711	Ground person
712	Ironworkers
713	Lineman
714	Millwright
715	Painters (including hand brushed, hand sprayed, and the taping of pavement markings)
716	Piledriver (including vibratory driver or extractor for piling and sheeting operations)
717	Pipefitters - steamfitters
718	Plasterers
719	Plumbers
720	Roofer/ waterproofer
721	Sheet metal workers
722	Sprinkler fitters
723	Terrazzo workers
724	Tile setters
725	Tile finishers: (The scope of work of a tile finisher is not as broad as tile setter. The finisher work includes mixing grout, grouting, and surfacing all types of tile, cutting tile, and sealing surfaces. Tile setters set the tile, repair and patch tile, lay out the work, and install substrates; install showers, counter tops, floors, and steps; lay quarry tile; install ceilings, mantels, hearths, swimming pools, domes, columns, and arches; and perform other work not performed by tile finishers.)
726	Drywall taper
727	Wiring system technician; <u>communications system technician</u>
728	Wiring system installer; <u>communications system installer</u>
729	Asbestos abatement worker <u>or environmental remediation worker</u>
730	Sign erector

Subp. 6. **Wage determinations.** Wage determinations shall be made for other classifications not listed if such other classifications are in general use in the area being surveyed.

5200.1101 JOB CLASSIFICATION DESCRIPTIONS; LABORERS.

Subpart 1. Code No. 101, Laborer, common (general labor work).

A. Nature of work: performing tasks involving physical labor at building, highway, and heavy construction projects, tunnel and shaft excavations, and demolition sites including the following tasks or other tasks not listed which are not considered skilled craft work.

B. Typical duties:

(1) Loading, unloading, stockpiling, and staging construction materials by hand or with hand-operated equipment such as a pallet jack, unless included in a skilled trade.

(2) Digging and filling holes and trenches and using post hole diggers.

(3) Removing excess dirt or grout away from an auger as the auger progresses.

(4) Cleaning and sweeping.

(5) Moving and hoisting forms to point of installation, cleaning forms, and stripping forms not intended for reuse.

(6) Demolition of highways, bridges, and buildings, to include operating remote control demolition equipment.

(7) Removing materials to be discarded.

(8) Clearing and grubbing with hand tools.

Proposed Rules

(9) Performing signaling and rigging for material placement, removal, and demobilization.

(10) Using hand tools driven by compressed air, gas, or electric power to perform such work as breaking old pavement, loosening or digging hard earth, trimming bottom and sides of trenches, breaking large rocks, chipping concrete, trimming or cutting stone, caulking steel plates, or compacting earthen backfill.

(11) Using paving breakers and chipping hammers to break up concrete to be repaired or replaced.

(12) Mopping, brushing, or spreading bituminous compounds over surfaces for protection; and spraying materials such as water, sand, or steam through a hose to clean, coat, or seal surfaces.

(13) Tending a stationary or portable liquid asphalt kettle, starting fires under the kettle, controlling the heat applied to the kettle by regulating dials or burners, maintaining desired temperature in asphalt, regulating valves for discharging asphalt from the kettle; cleaning and pouring asphalt joints in concrete paving with nozzle or can; and distributing asphalt road-building materials evenly over road surface by raking, shoveling, and brushing materials to correct thickness and to add or take away material to fill low spots or to reduce high spots.

(14) Operating a power driven chain saw to clear areas of timber by felling trees and sometimes cutting the fallen trees into short sections to facilitate their removal.

(15) Operating a device used to burn or melt holes through concrete (this device consists of a consumable aluminum magnesium rod inside a small iron pipe through which oxygen is forced under pressure, the end of the assembly is lighted, and the concrete is melted by the intense heat).

(16) Driving self-propelled buggy to transport concrete from mixer or source of supply to place of deposit, operating levers to dump load, and operating buggy by pushing or pulling by hand between mixer or other source to site of work.

(17) Covering, insulating, and uncovering concrete.

(18) Operating remote control vibrating compactor (such as a “whacker”).

(19) Operating power-driven water cooled saws to cut concrete, including walk-along, hand-guided, or riding.

(20) Operating power-driven, walk-along, hand-guided tools for excavation, hauling, or grading.

(21) Operating control levers of a nonpowered infrared heater unit to regulate heat being applied to asphalt surface.

(22) Placing and operating ground thawing equipment.

(23) Tending heating devices.

(24) Cutting, scraping, and removing materials for demolition, including rigging and signaling, and using a cutting torch, plasma arc, and air arc for demolition work.

(25) Dismantling, moving, and cleaning forms after concrete hardens if the forms are not to be reused.

(26) Installing preformed wire baskets by tapping hooks along the edge of the baskets to keep them in place on highway projects.

(27) Running string line so an asphalt spreader operator can determine height and edge of asphalt surface.

(28) Setting string line for curb machines and placing concrete and moving and cleaning forms for curbs, sidewalks, and gutters.

(29) Installing, removing, altering, repairing, and erecting interlocking or modular block walls (nonmortar).

(30) Installing, removing, altering, and repairing paving stones of any materials set in sand cushion including, but not limited to,

paving stones, natural stone, and synthetic materials when not set in mortar.

(31) Providing fire watch and hole watch.

(32) Cleaning, screening, and feeding sand to hopper or pot of sandblasting machine.

(33) Cleaning and preparing surfaces for the application of paint by sandblasting, water blasting, or using other equipment for purposes other than preparation.

(34) Installing, removing, altering, and repairing guardrails (other than guardrails on bridges), tension cable guardrails, guardrail posts, highway signs and sign structures, and median barriers.

(35) Installing, removing, altering, and repairing metal fencing used to define property boundaries, rights-of-way, medians, or driving lanes including barbed wire, chain link, temporary fencing, and woven wire, excluding decorative iron fencing, or providing safety for such areas.

(36) Cleaning and dressing the slopes of roadway cuts and embankments while suspended by ropes or cables, using hand tools as required.

(37) Operating hand-guided vibratory or impact compactor, and adjusting levers, throttles, and other devices necessary for operation.

(38) Removing, altering, and repairing post-tension and prestressed cables.

(39) Dewatering excavation and construction work sites, including the operation of water pumps.

(40) Performing pipe rehabilitation work, including cleaning, relining, cutting, and inspecting; and using all equipment used for pipe rehabilitation work, including closed-circuit TV trucks, pipe inspection cameras, cutters, bypass pumps, steam and water boilers, inversion units, jetters, vactors, and wet-out conveyors.

(41) Performing hazardous waste operations and working in and around hazardous waste, excluding asbestos abatement and lead and mold remediation.

(42) Below grade, installing soil venting systems.

(43) Installing, removing, altering, and repairing membrane materials used for landfills, holding ponds, contaminated soil, or other applications, including the welding and fusing of such materials.

(44) Performing caisson work.

C. Typical tools used: Air hammer, earth tamper, cement mixer, small mechanical hoist, surveying and measuring equipment, chain saw, cutoff saw, compaction equipment (hand-operated or remote control), concrete drill, concrete vibrator, jackhammer, paving breaker, air compressor, chipping tool, hammer, pliers, chisel, screwdriver, rigging equipment, cutter, shovel, rake, wheelbarrow, file, bar, sockets and wrench, level, scraper, grinder, core drill, rock drill, broom, torch, arc welder, ladder, knives, concrete slab saw, and concrete wall saw.

Subp. 2. Code No. 102, Laborer, skilled (assisting special craft journeyman).

A. Nature of work: performing skilled laborers' work and assisting special craft persons by performing the duties associated with the special crafts including duties typically considered those of a hod-carrier, mason tender, brick tender, drill runner tender, refractory worker, stone tender, shot-crete nozzle operator, track layer, concrete placement laborer, or top man.

B. Typical duties:

(1) Mixing cement used in the patching of concrete and performing other tasks as may be directed by cement mason.

(2) Mixing plaster, stucco, acrylic compounds, or similar materials for plasterers and delivering same to location where plasterer

Proposed Rules

is working; constructing, erecting, and dismantling scaffolds for plastering regardless of scaffold height; and cleaning and caring for tools and equipment used in the preparation and application of plaster.

(3) Mixing fireproofing; constructing, erecting, and dismantling scaffolds for fireproofing regardless of scaffold height; and cleaning and caring for tools and equipment used in the preparation and application of fireproofing.

(4) Handling the equipment and directing the placing of concrete or mortar that is moved by pressure or pneumatic equipment, such as gunite or shot-crete; may fine-grade and place wire mesh at times; and may perform other related duties.

(5) Assisting brickmasons, stonemasons, and block masons by preparing mortar mix, either by hand or machine; delivering material to masons on scaffold; operating small material moving equipment such as power buggy, hoists, mortar mix pumps, and other similar equipment; constructing, erecting, and dismantling all mason scaffolds regardless of scaffold height; and erecting temporary enclosures for heat and shelter of mason scaffold.

(6) Mechanically mixing mortar ingredients to proper consistency and delivering to mason on scaffold or at site of work; keeping materials supplied to mason and assisting according to directions of mason.

(7) Installing, removing, altering, repairing, erecting, and patching precast products including, but not limited to, planks, walls, and panels.

(8) Cutting openings through concrete with core drill, concrete wall saws, and slab saws.

(9) Top man assisting pipelayer, including keeping stakes and string line set in place out in front of trenching machine so that machine will cut ditch in correct location, setting stakes so that pipelayers can fine-grade ditch and measure from the batter board down to correct depth of ditch, assembling valves and other parts to be lowered into the excavation, rigging of pipe sections to be lowered into the trench, maintaining the operation of water pumps and observing the excavation for warning signs of cave-ins, and cutting of pipe at the direction of the pipelayer.

(10) Placing concrete and lowering hose-like flexible shaft of vibrator into newly poured concrete; starting power unit and holding shaft, allowing hammerhead on shaft to vibrate, thus consolidating the concrete (air, electric, or gasoline-operated vibrators are used).

(11) Performing work related to the construction, remodeling, or repairing of railroads and rail systems, including the grading and maintaining of rights-of-way, laying ties or other rail supporting materials, and laying rails.

(12) Setting stringline and forms for concrete curb, gutter, and sidewalk.

C. Typical tools used: air hammer, earth tamper, cement mixer, mortar mixer, small mechanical hoist, surveying and measuring equipment, chain saw, cutoff saw, compaction equipment (hand-operated or remote control), concrete drill, concrete vibrator, jackhammer, paving breaker, air compressor, chipping tool, hammer, pliers, chisel, screwdriver, rigging equipment, cutter, shovel, rake, wheelbarrow, file, bar, sockets and wrench, level, scraper, grinder, core drill, rock drill, broom, torch, arc welder, ladder, knives, concrete slab saw, and concrete wall saw.

Subp. 3. Code No. 103, Laborer, landscaping (gardener, sod layer and nursery operator).

A. Nature of work: performing landscaping including seeding, sodding, and planting of woody and herbaceous plant material, including native plant material such as grasses, shrubs, and trees; installing edging and ground cover, including mulches, decorative rock, and other materials associated with plantings; and installing erosion control measures limited to erosion blanket, silt fence, and bale checks and temporary erosion control measures.

B. Typical duties:

(1) Seeds, sods, and plants greenery to contract specifications by performing landscaping duties, including site development, soil preparation, fertilizing, building garden accessories, and laying mulches and decorative rock around trees and buildings.

(2) Erecting silt fencing to contract specifications.

Proposed Rules

(3) The duties do not include electrical work, fencing (other than silt fencing), retaining walls, paving bricks, all concrete work, woodwork (such as park benches), or other work that is generally performed by a general laborer or skilled craft worker.

(4) Installing underground sprinkler systems for irrigation.

C. Typical tools used: shovel, rake, wheelbarrow, and seed and fertilizer broadcaster.

Subp. 4. Code No. 104, Flag person.

A. Nature of work: performing duties to regulate flow of traffic through a construction project by using handheld flags and signs. May keep in radio contact with others regulating traffic through the work zone.

B. Typical duties:

(1) Controlling movement of vehicular traffic through construction projects.

(2) Discussing traffic routing plans and type and location of control points with superior.

(3) Directing movement of traffic through site using sign, hand, and flag signals.

(4) Warning construction workers when approaching vehicle fails to heed signals to prevent accident and injury to workers.

(5) Informing drivers of detour routes through construction sites.

(6) Recording license plate number of traffic control violators for law enforcement.

(7) Giving hand marker to last driver in lineup of one-way traffic at opposite end of site, signaling clearance for reverse flow of traffic.

C. Typical tools used: signs, flags, radio, and personal protective equipment.

Subp. 5. Code No. 105, Watch person.

A. Nature of work: monitoring access to a construction project site.

B. Typical duties:

(1) Allowing entrance or exit of employees, truckers, and authorized visitors.

(2) Checking credentials or approved roster before admitting anyone.

(3) Issuing passes at own discretion or on instruction from superiors.

(4) Directing visitors and truckers to various parts of the construction project.

(5) Inspecting outgoing traffic to prevent unauthorized removal of company property or products.

(6) Recording information about trucks or other carriers entering and leaving.

(7) Checking permits from employees for tools or materials taken from premises.

C. Typical tools used: signs, flags, radio, and personal protective equipment.

Subp. 6. Code No. 106, Blaster.

A. Nature of work: assembling plants and detonating charges of industrial explosives to loosen earth, rock, and stumps, or to demolish structures to facilitate removal.

B. Typical duties:

Proposed Rules

(1) Supervising and assisting in locating, loading, and firing blast holes for breaking up hard materials; enlarging bottom of drilled holes by discharging small quantities of explosives; inserting detonator in charge of explosive, attaching fuse or electric wires, the stick and detonator forming a primer, the discharge of which effects the discharge of the remainder of the explosive; charging hole by placing explosive, including stick that contains detonator, in hole and tamping with a pole; depressing handle of blasting machine or lighting fuse to fire explosive; may use prima-cord or delay caps.

(2) Carrying powder or other explosive to blaster or powder person and assisting by placing prepared explosive in hole, connecting lead wire to blasting machine, and performing other duties as directed.

(3) Examining mass, composition, structure, and location of object to be blasted, estimating amount and determining kind of explosive to be used, and marking location of charge holes for drilling.

(4) Assembling primer (blasting cap and fuse or electric squib and booster charge) and placing primer with main charge in hole or near object to be blasted.

(5) Covering charge with mud, sand, clay, or other material and tamping firm to improve detonation and confine force of blast.

(6) Signaling to clear area of personnel and equipment.

(7) Lighting fuse or connecting wires from charge to battery or detonator to detonate charge.

(8) Operating jackhammer, hand drill, or electric drill to bore holes for charges.

(9) Climbing cliffs or banks to plant explosive charge, using ropes and safety harness.

(10) Setting and detonating explosive charges to improve flow of water into wells.

(11) Operating rock driller.

C. Typical tools used: jackhammer, drills, galvanator, dynamite punch, crimper, tampers, signal whistle, and rigging equipment.

Subp. 7. Code No. 107, Pipelayer (water, sewer and gas).

A. Nature of work: laying pipe, metal culvert and box culvert for water, sewer water, water main, waste sewage, storm water runoff, catch basins, manholes, and pedestrian access.

B. Typical duties:

(1) Installing, removing, altering, maintaining, and repairing underground pipes used to handle water, water main, waste sewage, storm water runoff, catch basins, and manholes outside the building regardless of material.

(2) On utility projects, laying pipe, receiving pipe lowered from top of trench, inserting spigot end of pipe into bell end of last laid pipe, adjusting pipe to line and grade, and sealing joints with cement or other sealing compound.

(3) On highway projects, receiving, laying, connecting (by means other than welding), and sealing joints of pipes.

(4) Setting the depth of the excavation for proper pipe grade.

(5) Guiding the equipment operator around existing utilities.

(6) Receiving the pipe sections into the excavation for placement.

(7) Responsible for the correct grade and alignment of the pipe.

(8) Fine-grading the ditch before pipe placement.

Proposed Rules

(9) Assembling large-diameter metal culverts by bolting together semicircular pieces of metal to form a complete circle, bolting each section of this circle to similar sections which are placed adjacently, and repeating these processes until the required length of culvert is formed.

(10) Installing, removing, altering, maintaining, and repairing metal culvert to direct surface water under roadways.

(11) Installing, removing, altering, maintaining, and repairing precast concrete box culverts.

(12) Installing, removing, altering, maintaining, repairing, and fusing HDP fusion pipe as it relates to sewer and water work.

(13) Installing, removing, altering, maintaining, and repairing manholes, catch basins, and hydrants.

C. Typical tools used: shovels, bars, lasers, targets, level, measuring and surveying equipment, stick rule, pipe fusion equipment, impact wrench, rigging equipment, small mechanical hoist, chain saw, cutoff saw, compaction equipment (hand-operated or remote control), paving breaker, air compressor, chipping hammer, hammers, pliers, chisel, screwdriver, wheelbarrow, scraper, grinder, torch, and ladder.

Subp. 8. Code No. 108, Tunnel miner.

A. Nature of work: drilling earth and rock excavations to construct underground shafts and tunnels for projects such as roads, railways, and waterways, and performing work within tunnels.

B. Typical duties:

(1) Performing tunnel and underground construction.

(2) Setting up and operating pneumatic drilling machinery and moving lever controlling drilling action to drill blast holes in tunnel heading according to spacing, angle, and depth of hole.

(3) Wedging, nailing, or bolting timber or steel retaining structures to prevent cave-ins.

(4) Working in caissons.

(5) Boring and welding pipe casings as related to tunnel work.

(6) Lancing surfaces by using sandblasting, water blasting, or other equipment.

C. Typical tools used: drills, saws, jack leg, hammers, tunnel boring machines, locomotives, mucking machines, conveyors, grout pumps, rigging equipment, and welding equipment.

Subp. 9. Code No. 109, Underground and open ditch laborer (eight feet below starting grade level).

A. Nature of work: assisting the pipelayer from within the excavation.

B. Typical duties:

(1) Assisting the pipelayer in aligning and assembling pipe products in ditches ("Bottom Man").

(2) Cleaning and lubricating pipe ends to guide pipe sections together.

(3) Backfilling and compacting along sides of pipe.

(4) Operating vibrating compactor (such as a "whacker") in trenches.

(5) Performing other general laborer duties that take place in trenches.

(6) Boring and welding pipe casings related to sewer and water work.

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C. Typical tools used: shovels, bars, lasers, targets, level, measuring and surveying equipment, stick rule, pipe fusion equipment, impact wrench, rigging equipment, small mechanical hoist, chain saw, cutoff saw, compaction equipment (hand-operated or remote control), paving breaker, air compressor, chipping hammer, hammers, pliers, chisel, screwdriver, wheelbarrow, scraper, grinder, torch, ladder, and welding equipment.

Subp. 10. Code No. 110, Survey field technician.

A. Nature of work: operating total station, GPS receiver, level, rod or range poles, steel tape measurement; marking and driving stakes; hand or power digging for and identifying markers or monuments; performing and checking calculations; and reviewing and understanding construction plans and land survey materials. This classification does not apply to the work performed on a prevailing wage project by a land surveyor who is licensed pursuant to *Minnesota Statutes*, sections 326.02 to 326.15.

B. Typical duties:

- (1) Driving grade stakes.
- (2) Setting of grade stakes to proper height and set of "Blue Tops" for finish grading.
- (3) Measuring.
- (4) Reviewing and understanding construction plans and land survey materials.
- (5) Digging for and identifying markers and monuments.
- (6) Performing and checking calculations.

C. Typical tools used: total station, Global Positioning System (GPS) receiver, level, rod or range poles, steel tape for measurement, shovels, hammers, and other hand or small power digging equipment.

Subp. 11. Code No. 111, Traffic control person (temporary signage).

A. Nature of work: installation, movement, and removal of temporary traffic control systems such as cones, signage (electric or nonelectric), barriers, and flashing lights during highway and heavy and commercial construction projects.

B. Typical duties:

- (1) Moving and setting electric or nonelectric traffic control devices.
- (2) Places, positions, or replaces temporary signage (electric or nonelectric), cones, and flashing lights in a work zone.
- (3) Repairs or replaces temporary signage (electric or nonelectric), cones, and flashing lights in a work zone.
- (4) Cleans temporary signage (electric or nonelectric), cones, and flashing lights in a work zone.
- (5) Removes temporary signage (electric or nonelectric), cones, and flashing lights in a work zone.
- (6) Moving and setting jersey and other traffic control barriers.

C. Typical tools used: two-axle truck with or without swing arm for placing and removing signage, cones, barriers, and flashing lights, Global Positioning System (GPS) for accurate placement of signage, cones, barriers, and flashing lights, pressure washer to clean temporary signage (electric or nonelectric), cones, and flashing lights in a work zone.

Subp. 12. Code No. 112, Quality control tester.

A. Nature of work: field and covered off-site facilities; testing of aggregate, asphalt, and concrete materials; limited to Minnesota Department of Transportation highway and heavy construction projects where the Minnesota Department of Transportation has retained quality assurance professionals to review and interpret the results of quality control testers' services provided by the contractor.

B. Typical duties:

(1) Testing aggregate for gradation and moisture content.

(2) Testing asphalt for gradation, oil content, fracturing, and density.

(3) Testing concrete materials' water/cement ratio, gradation, moisture, tensile strength, and density.

C. Typical tools used: screens, microwave, hot plate, burner plate, scales, compactor (Marshall or Gyratory), hydraulics to break concrete cylinders or bars for tensile strength, and various hand tools to obtain and finish samples.

5200.1102 JOB CLASSIFICATION DESCRIPTIONS; SPECIAL CRAFTS.

Subpart 1. Code No. 701, Heating and frost insulators.

A. Nature of work: applies to workers who apply insulation materials to mechanical systems to reduce loss or absorption of heat, prevent moisture condensation, deaden sound, and prevent vibration. The workers remove all insulation materials from mechanical systems unless the mechanical system is being scrapped.

B. Typical duties:

(1) Preparing and physically distributing on the job site cork, plastic, magnesia, or similar or substitute materials used as thermal insulation, to include building enclosures and hanging polyurethane. Manufacturing, fabricating, assembling, molding, handling, erecting, spraying, pouring, making, hanging, applying, adjusting, altering, repairing, dismantling, reconditioning, corrosion controlling, and testing of heat or frost insulation, such as cork, mineral wall, infusorial earth, mercerized silk, flax, fiber, fire felt, foam glass, Styrofoam, polyurethane, polystyrene, metals, plastics, fibrous matter, roving, and resins.

(2) Covering or encapsulating of boilers, tanks, refrigeration units, evaporators, turbines, fittings, valves, ducts, flues, vats, equipment, hot and cold pipes, or any other hot or cold surfaces with the insulation materials listed in these typical duties, used for the purpose of thermal insulation, fire stoppage, fireproofing, radiator protection, sound deadening, and the lagging (covering) on piping.

(3) Removing all insulation materials from mechanical systems, unless the mechanical system is being scrapped (pipes, boilers, ducts, flues, and breechings). All clean up required in connection with this work, including the sealing, labeling, and dropping of scrap material into the appropriate containers.

(4) Measuring and cutting insulation for covering surfaces using tape measures, handsaws, knives, and scissors.

(5) Fitting insulation around obstructions and shaping insulating materials and protective coverings as required.

(6) Determining the amounts and types of insulation needed and methods of installation based on factors such as location, surface shape, and equipment use.

(7) Installing sheet metal around insulated pipes with screws in order to protect the insulation from weather conditions or physical damage.

(8) Applying, removing, and repairing insulation on industrial equipment, pipes, ductwork, or other mechanical systems such as heat exchangers, tanks, and vessels to help control noise and maintain temperatures.

(9) Selecting appropriate insulation such as fiberglass, Styrofoam, or cork based on the heat retaining or excluding characteristics of the material.

(10) Reading blueprints and specifications to determine job requirements.

(11) Covering, sealing, or finishing insulated surfaces or access holes with plastic covers, canvas strips, sealants, tape, cement, or asphalt mastic.

(12) Preparing surfaces for insulation application by brushing or spreading on adhesives, cement, or asphalt, or by attaching metal pins to surfaces.

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C. Typical tools used: metal cutters, reciprocating saws, industrial sewing machines, shears, staple guns, and utility knives.

Subp. 2. Code No. 702, Boilermakers.

A. Nature of work: assembling, analyzing defects in, and repairing boilers, pressure vessels, tanks, and vats in fields following blueprints and using hand tools and portable power tools and equipment. Constructing, erecting, and assembling all boiler parts and work in connection with the boiler, including boiler fronts, heat units, water walls, tube supports, and casings. All connections between the boiler and stack (commonly known as breeching), built of sheet steel or iron, supports for same (which are not part of the building structure), uptakes, smoke boxes, air and water heaters, smoke consumers, and hot and cold air ducts (except when used for ventilation purposes). Pontoons, purifying boxes, gas generators, wash tanks and scrubbers, standpipes, brewery vats, exception glass enameled tanks, and water towers. All iron and steel pipeline, penstock, and flue work. Steam, air, gas, oil, and water, or other liquid tanks or containers requiring tight joints. Blast furnaces and rolling mills, hot stoves cupolas, dump cars, and all gasometers as well as frame work in connection with same. Iron and steel stacks in connection with power plants and rolling mills. Economizers, superheaters, attemperators, air heaters, casing, downcomers, sludge boxes, and sluice troughs. All demolition of boiler equipment, if replaced with the same or similar equipment or if the demolished parts are moved and rebuilt somewhere else. All handling, unloading, and working with boilermaker material.

B. Typical duties:

(1) Locating and marking reference points for columns or plates on foundation using master straightedge, squares, transit, and measuring tape and applying knowledge of geometry.

(2) Attaching rigging or signaling crane operator to lift parts to specified position.

(3) Aligning structures or plate sections to assemble boiler frame, tanks, or vats using plumb bobs, levels, wedges, dogs, or turnbuckles. Hammering, flame-cutting, filing, or grinding irregular edges of sections or structural parts to facilitate fitting edges together.

(4) Bolting or arc-welding structures and sections together. Positioning drums and headers into supports and bolting or welding supports to frame. Aligning water tubes and connecting and expanding ends to drums and headers, using tube expander.

(5) Belling, beading with power hammer, or welding tube ends to ensure leakproof joints. Bolting or welding casing sections, uptakes, stacks, baffles, and such fabricated parts as chutes, air heaters, fan stands, feeding tubes, catwalks, ladders, coal hoppers, and safety hatches to frame, using wrench. Installing manholes, handholes, valves, gauges, and feedwater connection in drums to complete assembly of water tube boilers. Assisting in testing assembled vessels by pumping water or gas under specified pressure into vessel and observing instruments for evidence of leakage.

(6) Repairing boilers or tanks in field by unbolting or flame cutting defective sections or tubes, straightening plates, using torch or jacks, installing new tubes, fitting and welding new sections, and replacing worn lugs on bolts. May rivet and caulk sections of vessels using pneumatic riveting and caulking hammers.

(7) Fabricating parts such as stacks, uptakes, and chutes to adapt boiler to premises in which it is installed.

C. Typical tools used: hammers, hoists, levels, punches, nail sets, drifts, and welding tools.

Subp. 3. Code No. 703, Bricklayers.

A. The term "bricklayer" includes the following and similar jobs: brick masonry, stonemasonry, artificial masonry, pointing-cleaning-caulking, and setting precast.

B. Nature of work:

(1) Brick masonry. Brick masonry includes the following work procedures and materials installation:

(a) Laying brick made from any material in, under, or upon any structure or form of work where bricks are used, whether in the ground, over its surface, or beneath water; in commercial and residential buildings, rolling mills, iron works, blast or smelter furnaces, or lime or brick kilns; in mines or fortifications, and in all underground work, such as sewers, telegraph, electric, and telephone conduits; and including the installation of substitutes for brick such as all carbon materials, Karbate, Impervite or mixtures, all acid resistant materials, and all terra cotta and porcelain materials, except where those materials are manufactured to substitute for tile.

(b) All cutting of joints, pointing, cleaning, and cutting of brick walls, fireproofing, block-arching, and terra cotta cutting and

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setting; laying and cutting all tile plaster, mineral-wool, cork blocks, and glass masonry, or any substitute for those materials; laying all pipe sewers or water mains and filling all joints on the same when such sewers or conduits are of any vitreous material, burnt clay, cement, or any substitute materials used for those purposes; cutting, rubbing, and grinding all kinds of brick and setting all cut stone trimmings on brick buildings; preparing and erecting plastic, castables, or any refractory materials; and installing hollow metal door frames in masonry applications where the door frames are cemented into the concrete block wall as the wall is built.

(c) Cleaning, grouting, pointing, and other work necessary to achieve and complete the work under the foregoing categories; all waterproofing and black mastic waterproofing, silicone, or substitutes sandwiched between masonry units in the interior of the wall.

(d) All terra cotta called unit tile in sizes over 6" x 12" regardless of method of installation; all quarry tile over 9" x 9" x 1/4" in size; split brick or quarry tile or similar material if bedded and jointed with one operation. The bedding, jointing, and pointing of those materials shall be the work of the craft installing the same.

(e) All burnt clay extruded cellular products regardless of trade name or method of installation when used as a veneer on structures; all clay products in sizes larger than 6" x 12" known as terra cotta tile, unit tile, ceramic veneer, machine-made terra cotta, and like materials, regardless of the method of installation. Where the preponderance of material to be installed is to be used in connection therewith, the bricklayers shall install all such materials. Brick paving is part of the bricklayer classification.

(2) Stonemasonry. Stonemasonry includes the following work procedures and materials installation:

(a) Laying all riprap, rubble work, with or without mortar, setting all cut stone, marble, slate, or stone work (meaning, as to stone, any work manufactured from such foreign or domestic products as are specified and used in the interior or on the exterior of buildings by architects and customarily called "stone" in the trade); cutting all shoddies, broken ashlar, or random ashlar that is roughly dressed upon the beds and joints, and range ashlar not over ten inches in height; dressing all jambs, corners, and ringstones that are roughly dressed upon the beds, joints, or reveals, and the cutting of a draft upon same for plumbing purposes only; and cleaning, cutting of joints, and pointing of stone work.

(b) Stonemasonry work applies to all work in buildings, sewers, bridges, railroads, breakwaters, jetties, playgrounds, parks, landscaping, and curbing or other public works, and to all kinds of stone, particularly to the product of the locality where the work is being done. Stonemasons shall have the right to use all tools which they consider necessary in performing their work.

(c) Cleaning, grouting, pointing, and other necessary work to achieve and complete the work described under this subitem.

(3) Artificial masonry. Artificial masonry includes the following work procedures and materials installation:

(a) Cutting, setting, and pointing of cement blocks and all artificial stone or marble, either interior or exterior, when set by the usual custom of the stonemason and marble setter. All cement that is used for backing up external walls, the building of party walls, columns, girders, beams, floors, stairs, arches, and all material substituted for clay or natural stone products.

(b) All artificial masonry and the cutting, setting, and pointing of all concrete prefabricated slabs, regardless of dimension size.

(4) Pointing-cleaning-caulking. Pointing-cleaning-caulking includes the following:

(a) The pointing-cleaning-caulking of all types of masonry, caulking of all window frames encased in masonry, brick, stone, or cement structures, including all grinding and cutting out on such work, and all sandblasting, steam cleaning, and gunite work.

(b) The pointing, cleaning, and weatherproofing of all buildings, grain elevators, and chimneys built of stone, brick, or concrete, including all grinding, cutting out, sand blasting, and gunite work on same.

The bricklayer uses building materials, such as brick, structural tile, concrete cinder, glass, gypsum, and terra cotta block to construct or repair walls, partitions, arches, sewers, and other structures.

(5) Setting precast sills and tilt-ups in mortar.

Subp. 4. Code No. 704, Carpenters.

A. Nature of work: Constructing, erecting, installing, and repairing structures, structural members, and fixtures made of wood, plywood, wallboard, and materials that take the place of wood, such as plastic, metals, composites, and fiberglass, using carpenter hand

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tools and power tools.

B. Typical duties:

(1) Conforming the layout of buildings or structures on the site of plot to local building codes, blueprints, sketches, or building plans.

(2) Selecting specified types of lumber or other materials. Preparing layout, using rule, framing square, and calipers. Mark cutting and assembling lines on materials, using pencil, chalk, and marking gauge. Shaping materials to prescribed measurements, using saws, chisels, and planes. Assembling, cutting, and shaping materials and fastening them together with nails, dowel pins, or glue. Erecting framework for structures and laying sub-flooring. Covering sub-floor with building paper to keep out moisture and laying hardwood, parquet, and wood-strip block floors by nailing floors to sub-floor, cementing them to mastic, or asphalt base. Verifying trueness of structure with plumb bob, electronic lasers, transit, total station, measuring devices, and carpenter's level. Applying decorative paneling to walls. Measuring boards, timbers, or plywood using square, measuring tape, and ruler; marking cutting lines on materials using pencil and scribe; and sawing boards and plywood panels to required sizes.

(3) Making and setting all concrete forms (except curb forms on highway and heavy construction), including establishment of building lines or flow lines (box culverts, bridges) including footing forms. Making all forms used in tilt-up construction. Laying out, installing, and constructing wall forms and footing forms, all block-outs, wood or steel, and laying out and installing all embedded items. Building rough wooden structures, such as concrete forms, scaffolds, wooden bridges, trestles, coffer dams, tunnel, and sewer support. Welding and burning. Constructing forms and chutes for pouring concrete. Nailing cleats (braces) across boards to construct concrete-supporting forms. Cutting and assembling timbers to build trestles and cofferdams. Building falsework to temporarily strengthen, protect, or disguise buildings undergoing construction. Setting of precast bridge sections. Welding incidental to concrete form work.

(4) Building and handling scaffolds used by carpenters. All scaffolding, constructed or assembled, 14' 6" and higher for normal or specialty use (regardless of purpose) excluding scaffolding used to access only plaster and masonry work.

(5) Handling and installing ladders, handrails, walkways, platforms, and gangways made of wood as well as shoring and lagging. Building temporary shelters and offices, wood frames, light gauge metal buildings, and pole buildings.

(6) Handling and installing wood and metal studs and exterior panels. Laying out reference lines and points for use in computing location and position of metal framing and furring channels and marking position for erecting metalwork using chalk line. Measuring, marking, and cutting metal runners, studs, and furring channels to specified size using tape measure, straightedge, and hand and portable power-cutting tools and welding equipment. Securing metal framing to walls and furring channels to ceilings using hand and portable power tools.

(7) Handling and installing insulation, thermal, and other material (not sprayed urethane or polyurethane) in connection with carpentry work.

(8) Installing insulation such as bat, board, sating, insulated wall panels, thermal, Styrofoam, sound attenuation, and fiberglass when the installation of the insulation material is not applied as an integral part of the roofing system.

(9) Installing doors, wood windows, and bucks, including hardware (bucks are rough frames in which finished frames are inserted), in building framework and brace them with boards nailed to framework. Fitting and nailing sheathing on outer walls and roofs on buildings. Installing beams and trusses of wood laminate. Handling and applying all exterior and interior siding of various composites, including wood, particle board, cement board, light gauge steel, vinyl, aluminum, and other materials.

(10) Handling, cutting, sawing, and fitting drywall products (sheetrock) and lead-lined drywall whether for walls, ceilings, floors, soffits, or any use, no matter how installed - nailed, screwed, glued, or otherwise (interior, exterior). Lead-lined drywall is used in x-rays to avoid radiation exposure. Installing (corner) corner guards and wooden and plastic column covers.

(11) Planning gypsum drywall installation, erecting metal framing and furring channels using various fasteners, clips, screws, and related welding techniques for fastening drywall, and installs drywall to cover walls, ceilings, soffits, shafts, and movable partitions in residential, commercial, and industrial buildings; reading blueprints and other specifications to determine method of installation, work procedures, and material, tool, and work aid requirements. Measuring and marking cutting lines on drywall using square, tape measure, and

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marking devices. Scribing cutting lines on drywall using straightedge and utility knife and breaks board along cut lines. Fitting and fastening board into specified position on wall using screws, hand or portable power tools, or adhesive. Cutting openings into board for electrical outlets, vents, or fixtures using keyhole saw or other cutting tools. Installing fire-rated wall systems.

(12) Installing plasterboard or other wallboard to ceiling and interior walls of building using hand tools and portable power tools; installing horizontal and vertical metal or wooden studs for attachment of wallboard on interior walls using hand tools. Cutting angle iron and channel iron to specified size using hacksaw, and suspending angle iron grid and channel iron from ceiling using wire. Scribing measurements on wallboard using straightedge and tape measure, and cutting wallboard to size using knife or saw. Cutting out openings for electrical and other outlets using knife or saw. Attaching wallboard to wall and ceiling supports using glue, nails, screws, hammer, or powered screwdriver. Trimming rough edges from wallboard to maintain even joints using knife. Nailing prefabricated metal pieces around windows and doors and between dissimilar materials to protect drywall edges.

(13) Handling and installing door frames, wood and hollow metal doors, hollow metal door frames, rollup garage doors, overhead doors or Rolling fire doors, automatic doors, channel iron door bucks, glass sliding, and bi-fold doors.

(14) Handling, installing, and caulking cabinets, cabinetry, shelving, fixtures, and counter tops.

(15) Making, handling, and setting frames, sash, blinds, magnetic tile, chalk, bulletin boards, trim, and other fixtures (for example, cabinets, bookcases, and benches). Applying shock-absorbing, sound-deadening, and decorative paneling to ceilings and walls. Fitting and installing prefabricated window frames, doors, doorframes, weather stripping, interior and exterior trim, and finish hardware, such as locks, letter drops, and kick plates.

(16) Measuring, cutting, assembling, and installing metal framing and decorative trim for windows, doorways, and vents. Fitting, aligning, and hanging doors and installing hardware, such as locks and kick-plates.

(17) Handling and installing builders hardware, including door tracks of every description. Installing weather strips. Making, fitting, and hanging fly screens for doors, windows, and other openings.

(18) Handling and installing access flooring, computer floors, and raised or elevated floors. Installing modular headwall units and laboratory casework and fume hoods.

(19) Handling and installing wood flooring.

(20) Handling and installing modular or demountable furniture, such as office partitions, cubicles, and other modular office products.

(21) Handling and installing acoustical and egg crate ceiling systems in their entirety (hanger wire, grid, molding, and tile), whether vertically or horizontally installed.

(22) Handling and assembling chairs, seats, bleachers, benches, children's playground equipment, lockers (wood or composite), metal shelving, and other furniture in theaters, halls, schools, stadiums, and other places of assemblage on floors of any kind. Installing protection screens (chalkboards), toilet partitions (plastic laminate, solid plastic), and building stairs.

C. Typical tools used:

(1) Hammers, knives, power screwdrivers.

(2) Ladders — extension ladders, fold up ladders.

(3) Levels — calibrating electronic levels, spirit levels, visual beam laser levels.

(4) Power sanders — belt sanders, hand rotary tools, orbit sanders.

(5) Power saws — circular saws, compound miter saws, reciprocating saws, worm drive saws.

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(6) Squares — combination squares, framing squares, layout bars.

(7) Welding equipment. Any specialty or necessary tools and equipment for assembly, fabrication, or installation of all products and applications related to this classification.

Subp. 5. Code No. 705, Carpet layers (linoleum).

A. Nature of work: applies to workers who measure, cut, sew, make-up and seam, tape, and fit. Laying, installing, sealing, and waxing materials to be cemented, tacked, or otherwise applied to its base and adhered to any surface. These materials may be used as shock-absorbing, sound absorbing, or decorative coverings. Except for terrazzo, magnesite, and latex built-up floors, the materials include oil, cloth, matting, linen, carpet, synthetic turf, linoleum, vinyl, plastic, rubber, cork, mastic, asphalt, mastipave, tile, wood tile, interlocking and magnetic tile, chalk and bulletin board, nonslip or abrasive materials, resilient, decorative seamless surface coatings, monolithic coverings (monolithic means all resilient seamless material such as epoxy, polyethylene, plastics, and their derivatives, components, and systems), and all other resilient coverings on floors, walls, counters, table tops, and ceilings.

B. Typical duties:

(1) Handling materials at the point of installation.

(2) Performing necessary preparation and finish work such as sweeping, scraping, sanding, or chipping dirt and irregularities from base surfaces; filling cracks with putty, plaster, or cement grout to form smooth, clean foundations; and drilling holes for sockets and pins.

(3) Installing underlayment; sanding and filling; fitting of metal edgings, metal comers, and caps; and fitting devices for attachment of these materials.

(4) Spreading adhesive cement over floor to cement foundation material to the floor.

(5) Laying covering on cement.

(6) Rolling finished floor to smooth it out and press cement into base and covering.

(7) Stripping, buffing, and waxing resilient floors.

(8) Joining edges of carpet and seam edges where necessary by sewing or by using tape with glue and heated carpet iron.

(9) Cutting and trimming carpet to fit along wall edges, openings, and projections; finishing edges with a wall trimmer.

(10) Inspecting the surface to be covered to determine its condition and correcting any imperfections that might show through the carpet or cause the carpet to wear unevenly.

(11) Rolling out, measuring, marking, and cutting carpet to size with a carpet knife following floor sketches and allowing extra carpet for final fitting.

(12) Planning layout of the carpet, allowing for expected traffic patterns, and placing seams for best appearance and longest wear.

(13) Stretching carpet to align with walls and ensuring a smooth surface, and pressing the carpet in place over tack strips or using staples, tape, tacks, or glue to hold the carpet in place.

(14) Taking measurements and studying floor sketches to calculate the area to be carpeted and the amount of material needed.

(15) Cutting carpet padding to size and installing padding following the prescribed method.

(16) Nailing tack strips around the area to be carpeted or using old strips to attach edges of new carpet.

C. Typical tools used:

(1) Glue guns — butane glue guns, cool tip glue guns, electric glue guns.

(2) Knife blades — floro scraper blades, hooked blades, tackless cutter blades, trimmer blades.

(3) Power saws — jamb saws, toe kick saws, undercut saws.

(4) Shears — carpet base cutters, carpet shears, stand up cutters, strip cutters.

(5) Staple guns — air underlayment staplers, edge binding staplers, hammer tackers, heavy duty electric staplers.

(6) Tensioners — carpet tucking tools, swivel lock stretchers.

(7) Utility knives — trimmers, tucking trimmers, wall trimmers.

Subp. 6. Code No. 706, Cement masons.

A. Nature of work: applies to workers who set up rodding and finish fresh concrete, perform work on existing concrete, or work with various cementitious products.

B. Typical duties:

(1) Setting and laying out forms and bulkheads when used as screeds. Rodding, shaping, smoothing, stamping, and finishing the surfaces of freshly poured concrete floors, walls, sidewalks, curbs, swimming pools, paving, and steps and finishing extruded barrier rails or any other concrete surface requiring finishing, using hand tools or power tools, including floats, trowels, screeds, and straightedge.

(2) Preparing surfaces using grinder or chisel and hammer, including electric or pneumatic. All processes of patching, rubbing, and sacking with fresh concrete, cementitious materials, or epoxy compound.

(3) Laying out and installing expansions, control joints, and edges.

(4) Installing complete process of specialty flooring such as concrete overlays, micro topping, staining, exposed aggregate, and stamped concrete.

(5) Applying penetrating sealers, primer protective coatings, and protective covers (blankets, poly, etc.) to concrete floors and steps when part of the finishing process.

(6) Installing seamless composition floors such as quartzite or dex-o-tex, and installing and finishing epoxy-based coatings or polyester-based linings to all surfaces when the coatings or linings are applied by spraying or troweling in conjunction with pouring of the floor.

(7) Complete concrete polishing grinding systems using hand tools or machines.

(8) Sandblasting or water blasting for architectural finish or patching preparation.

(9) Cutting joints with concrete saw for the control of cracks in buildings and sidewalks, driveways, curbs, and gutters contiguous to buildings.

C. Typical tools used: floats, trowels, rubber floats, rubbing stones, set-up tools, saws, laser levels, eye levels, total stations, tapes, laser screeds, power screeds, walking or riding troweling machines, concrete polishing machines, concrete floor saws, and power or pump sealer sprayers.

Subp. 7. Code No. 707, Electricians.

A. Nature of work: applies to workers who are responsible for installation, assembly, construction, inspection, operation, and repair of all electrical work within the property lines of any given property (manufacturing plants, commercial buildings, schools, hospitals, power plants, parking lots), single-family housing, apartments, condominiums, townhomes, and residential buildings. This scope of work shall begin at the secondary site of the transformer when the transformer is furnished by the local utility and the service conductors are installed underground. When service conductors are installed overhead in open air from wooden poles, this scope of work shall start immediately after the first point of attachment to the buildings or structures.

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B. Typical duties:

(1) Planning and laying out electrical systems that provide power and lighting in all structures. This includes cathodic protection systems utilized to protect structural steel in buildings and parking structures.

(2) Handling, moving, loading, and unloading of electrical materials, materials used in association with an electrical system, electrical equipment, and electrical apparatus on the job site, whether by hand or where power equipment and rigging are required.

(3) Welding, burning, brazing, bending, drilling, and shaping copper, silver, aluminum, angle iron, and brackets used in connection with the installation and erection of electrical wiring and equipment.

(4) Measuring, cutting, bending, threading, forming, assembling, and installing electrical raceways (conduit, wireways, cable trays) using tools such as hacksaw, pipe threader, power saw, and conduit bender.

(5) Installing wire in raceways (conduit, wireways, troughs, cable trays). This wire may be ahead of service, service conductors, feeder wiring, subfeeder wiring, branch circuit wiring control circuits, life safety circuits, temperature control circuits, scada systems, process control systems, and digital and analog control systems.

(6) Chasing and channeling necessary to complete any electrical work, including fabricating and installing duct banks and manholes incidental to electrical, electronic, data, fiber optic, and telecommunication installation; for example: cell tower wiring and apparatus.

(7) Splicing wires by stripping insulation from terminal leads with knife or pliers, twisting or soldering wires together, and applying tape or terminal caps.

(8) Installing and modifying lighting fixtures to include L.E.D., fiber optic, and similar fixtures and their supports.

(9) Installing and modifying electrical and fiber optic equipment (AD-DC motors, variable frequency drives, transformers, reactors, capacitors, motor generators, emergency generators, UPS equipment, data processing systems, and enunciator systems where sound is not a part thereof).

(10) Installing raceway systems utilizing conduit, conduit bodies, junction boxes, device boxes for switches, and receptacles. This may also include wiring systems utilizing other methods and materials approved by the National Electrical Code (MC cable, AC cable, BX or flexible metal tubing, or electrical nonmetallic tubing).

(11) Installing main service equipment, distribution panels, subpanels, branch circuit panels, motor starters, disconnect switches, and all other related items. This includes all temporary wiring and lighting systems.

(12) Installing and wiring instrumentation and control devices as they pertain to heating, ventilating, air condition (HVAC) temperature control and energy management systems, building automation systems, and electrically or fiber optically operated fire and smoke detection systems where other building functions or systems are controlled.

(13) Testing continuity of circuit to ensure electrical compatibility and safety of components. This includes installation, inspecting, and testing of all grounding systems including those systems designed for lighting protection; testing of low, medium, and high voltage cables, equipment, and apparatus. This includes electrical heat stress testing and associated wiring.

(14) Removing electrical systems, fixtures, conduit, wiring, equipment, equipment supports, or materials involved in the transmission and distribution of electricity within the parameters of the building property line if reuse of any of the existing electrical system is required. This may include the demolition, removal, and disposal of the electrical system.

(15) Installing, repairing, altering, and maintaining solar photovoltaic wiring, apparatus, and equipment.

(16) Installing, repairing, altering, and maintaining wind power generation wiring, apparatus, and equipment.

(17) Wiring overhead bridge cranes, hoists, and their related control systems.

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(18) Constructing, altering, and repairing highway and street lighting, traffic signal systems, athletic field lighting systems, airport runway and taxi lighting systems, and their related control systems.

C. Typical tools used:

(1) Cable reels — single reel cable trailers, wheeled wire dispensers, wire dollies, wire hand caddies, wire pullers, tuggers, electrical and hydraulic conduit benders.

(2) Screwdrivers — insulated screwdrivers, Phillips head screwdrivers, round shank screwdrivers, square shank screwdrivers.

(3) Stripping tools — automatic insulation strippers, self-adjusting insulation strippers, universal stripping tools, wire strippers.

(4) Voltage and current meters — milliammeters, test lamps, volt tick meters, voltmeters.

(5) Wire or cable cutters — cable cutters, high leverage cable cutters, insulated cable cutters, utility cutters, punches, crescent wrenches, tap wrenches, Allen wrenches, nut drivers, pliers (various).

Subp. 8. Code No. 708, Elevator constructors.

A. Nature of work: assembling and installing all commercial conveyances: electric, cable driven, hydraulic, rack and pinion, freight and passenger elevators, escalators, dumbwaiters, moving walks, ramps, and lifts.

B. Typical duties:

(1) Handling, unloading, and hoisting all equipment to be assembled or installed by workers performing work within this job classification.

(2) Assembling, installing, repairing, and maintaining elevators, escalators, moving sidewalks, and dumbwaiters using hand tools and power tools and testing devices such as test lamps, ammeters, and voltmeters.

(3) Laying out system components, frameworks, and foundations; installing counterbalance rails, motor pump, cylinder and plunger foundations, and elevator cars (which includes the platform, walls, and doors).

(4) Cutting prefabricated sections of framework, rails, and other elevator components to specified dimensions.

(5) Positioning electric motor and equipment on top of elevator shaft using hoists and cable slings or mounting elevator apparatus in machine room, overhead or below.

(6) Installing all wiring, conduit, and raceways.

(7) Connecting electrical wiring to control panels and electric motors.

(8) Adjusting safety controls, counterweights, door mechanisms, and components such as valves, ratchets, seals, and brake linings.

(9) Inspecting wiring connections, control panel hookups, door installations, and alignments and clearances of cars and hoistways to ensure that equipment will operate properly.

(10) Testing newly installed equipment to ensure that it meets specifications, such as stopping at floors for set amounts of time.

(11) Sinking, boring, drilling, or digging cylinder wells.

(12) Erecting and assembling theatre stage and curtain elevator equipment and guides or rigging.

(13) Locating malfunctions in brakes, motors, switches, and signal and control systems using test equipment.

Proposed Rules

(14) Disassembling defective units, and repairing or replacing parts such as locks, gears, cables, and electric wiring.

(15) Maintaining log books that detail all repairs and checks performed.

(16) All cleanup required in connection with the installation of elevators.

C. Typical tools used: event or graphic data recorders, hydraulic pressure gauges, amp meters, millivoltmeters, test lamps, voltmeters, saws, grinders, acetylene torch, drill.

Subp. 9. Code No. 709, Glaziers.

A. Nature of work: installing, setting, cutting, preparing, fabricating, distributing, handling, or removing the following: glass and glass substitutes used in place of glass, preglazed windows, retrofit window systems, mirrors, curtain wall systems, window wall systems, suspended glass systems, louvers, skylights, entrance ways including automatic doors, patio doors, store front, column covers, panels and panel systems, glass hand rails, decorative metals as part of the glazing system, and the sealing of all architectural metal and glass systems for weatherproofing and structural reasons.

B. Typical duties:

(1) Installing the materials described under item A in the course of building construction, repair, remodel, alteration, or retrofit.

(2) Installing and welding extruded rolled or fabricated materials including, but not limited to, all metals, plastics, and vinyls, or any materials that replace same, metal and vinyl tubes, mullions, metal facing materials, corrugated flat metals, aluminum panels, muntins, facia, trim moldings, porcelain panels, architectural porcelain, plastic panels, unitized panels, showcase doors, glass handrails and relative materials, including those in buildings related to storefront, door and window construction, and curtain wall systems.

(3) Installing and maintaining automatic door entrances, door and window frame assemblers such as patio sliding or fixed doors, vented or fixed windows, shower doors, bathtub enclosures, and storm sash where the glass becomes an integral part of the finished product.

(4) Transporting, handling, rigging, unloading, and loading of tools, equipment materials, and clean up.

(5) Setting art glass, prism glass, beveled glass, leaded glass, automotive glass, protection glass, plate glass, window glass, wire glass, ribbed glass, ground glass, colored glass, figured glass, vitrolite glass, carrara glass, all types of opaque glass, class chalk boards, structural glass, tempered and laminated glass, and all types of insulating glass units.

(6) Caulking glass to glass, glass to metals, metals to substrates and glass to substrates.

(7) Installing metal sill, head, and jamb flashing.

(8) All plastics or other similar materials when used in place of glass to be set or glazed in its final resting place with or without putty, vinyl, molding, rubber, lead, sealants (such as Thiokol), neoprene, silicone, and all types of mastics in wood, iron, aluminum, sheet metal, or vinyl sash, doors, frames, stone wall cases, showcases, bookcases, sideboards, partitions, and fixtures.

C. Typical tools used: files, glass cutters, grinding or polishing machines, power saws, miter saws, all types of levels and laser levels, all types of squares, all types of power tools, all types of hand tools, suction cups, power suction cups, swing stages, platform lifts, scaffolding, safety equipment, welding equipment, step ladders, and extension ladders.

Subp. 10. Code No. 710, Lathers.

A. Nature of work: erecting (horizontal) metal framework to which wooden, metal, or rockboard lath is fastened.

B. Typical duties:

(1) Measuring and marking surfaces to lay out work using tape measures, straightedges, or squares and mark devices.

(2) Drilling holes in floor and ceiling and driving ends of wooden or metal studs into holes to provide anchor for furring or rockboard laths.

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(3) Fitting and fastening wallboard or drywall into position on wood or metal frameworks using glue, nails, or screws.

(4) Hanging dry lines (stretched string) to wall moldings in order to guide positioning of main runners.

(5) Measuring and cutting openings in panels or tiles for electrical outlets, windows, vents, plumbing, and other fixtures using keyhole saws or other cutting tools.

(6) Hanging drywall panels on metal frameworks of walls and ceilings in offices, schools, and other large buildings using lifts or hoists to adjust panel heights when necessary.

(7) Assembling and installing metal framing and decorative trim for windows, doorways, and vents.

(8) Trimming rough edges from wallboard to maintain even joints using knives.

(9) Cutting and screwing together metal channels to make floor and ceiling frames according to plans for the location of rooms and hallways.

C. Typical tools used: lifts, putty knives, saws; drywall, hacksaw, keyhole, trowels, utility knives, claw hammers, and lathing hammers.

Subp. 11. Code No. 711, Ground person.

A. Nature of work: performing ground work to assist the journeyman lineman on work that is not energized.

B. Typical duties:

(1) Manually digging and backfilling pole holes, anchor holes, and trenches.

(2) Loading, unloading, and moving materials and equipment used for the construction of power lines.

(3) Assisting in assembling conduit systems, boxes, signals, and bases on the ground. May frame and erect poles.

(4) Pulling nonenergized guy wires.

(5) Excavating dirt or rock on the outside line portion of a project.

(6) Tamping or compacting dirt following excavation work.

C. Typical tools used: jackhammers, air drills, shovels, picks, tamps, trenching equipment, and other tools used in excavating or compacting dirt or rock.

Subp. 12. Code No. 712, Ironworkers.

A. Nature of work: performing field storage and yarding, (on-site storage area or railhead) laying out, fabricating, modifying, erecting, installing, removing, repairing, renovating, retrofitting, demolishing, or dismantling of structural, architectural, ornamental, miscellaneous, and reinforcing members and related components or fixtures made of iron, steel, other ferrous and nonferrous metals and alloys, acrylic, ceramics, fiberglass, fiber-reinforced plastics or composites (FRP products), glass architectural or structural, precast, and prestressed concrete or stone, and materials that take their place, in buildings, bridges of all types, structures, civil work of all kinds, facilities, plants, and machinery, equipment, and appurtenances related thereto.

B. Typical duties:

(1) Erecting structural steel and installing architectural, ornamental, and miscellaneous metals; the unloading, sorting, yarding, erection, installation, assembly, and final alignment of the main structural steel of precast concrete framework and ancillary structural supports related thereto, including any field fabrication or modification of buildings and bridges of all types, including, but not limited to, highway, light rail transit and related systems, railroad, pedestrian, and bridges over all waters, structures, civil works of all kinds, plants, or facilities and the structural framing and supports for machinery and plant and facility equipment.

Proposed Rules

(2) Performing any combination of duties to hoist and install all structural components, including, but not limited to, columns, girders, beams, diaphragms, and all other bracing, joists, purlins, girts, wall restraint angles, plates, all metal floor and roof deck, channels, angles, or other structural shapes.

(3) Verifying elevations and vertical and horizontal alignment of structural and ancillary members by means of levels, plumb bobs, and optical instruments such as transits, eye level, lasers, Total Station, or Pacific Laser Systems.

(4) After assembly and final alignment, structural members are permanently bolted, welded, riveted, pinned, screwed, or otherwise secured into place. Setting up hoisting equipment to raise and place structural and ancillary members and components; fastening or securing members to cable of crane or other hoisting equipment by means of cable, chain, or rope; doing all signaling (via hand, telephone, or radio) to worker operating hoisting equipment during erection or installation; guiding members into place using tag lines, comealongs, portable hydraulic jacks, pry bars, wedges, and aligning pins.

(5) Laying out, drilling, and epoxying, grouting, or fastening anchor bolts or other anchoring devices described in this classification, excluding embedded items.

(6) Erecting, installing, aligning, and securing (by means of bolts, brackets, clips, epoxy core drilling and grouting or welding) architectural, ornamental, and miscellaneous metals (including iron, steel, aluminum, brass, or any other type of metal, glass, acrylic, or plastic) and related structural supports, including, but not limited to, stairways, stair treads, newel posts, balusters, gates, and handrails; ladders, catwalks and platforms; grating, floor plates, checker plates, and toe or kick plates; multiple function support components; relieving angles and lintels which are bolted or welded into place; and revolving doors and window grills.

(7) Modifying or altering main structural and ancillary members and components using oxyacetylene torch, plasma arc cutter, hand and power saws, drills, grinders, and welders.

(8) Performing demolition or dismantling of all materials described in this classification if materials, members, or components are to be reused or re-erected.

(9) Bridges: performing field unloading, sorting, and yarding, laying out, erecting, aligning, repairing, and renovating structural steel girders, beams, and metal components, such as ornamental railings, handrails, crash and guardrails, and safety fencing relating to pedestrians; precast or prestressed girders, beams, segments, members, and related components such as architectural precast concrete facades for all types of bridges, including the installation of all steel tendons, bar tendons, and DWYI-DAG bars, strands, and the entire pre- or post-tensioning process including the calibrating and use of hydraulic jacks or other equipment and the grouting of prestress (bonded) cables when installed on the job site.

(10) Installing bridge seat assemblies, including bearing or shoe plates, rocker arms, and pins; trusses; diaphragm and other bracing; floor beams, bridge flooring, and ballast plates; expansion control assemblies and joints including slide assemblies; and the erection of structural steel framework supporting machinery and mechanical devices for lift, swing, or bascule bridges and the unloading, erection, cabling, and placing of all such machinery and devices to approximate position on anchor bolts.

(11) Installing structural cabling including spinning and cable stays; installing and erecting cableways and travelers if required for erection of bridge. Placing all reinforcing steel for cast-in-place concrete on all bridges, including, but not limited to, substructures such as caissons, footings, pier stem and caps, abutments, approach panels, sloped paving, bridge decks, J-barrier and crash rails, retaining walls, and wing walls. Erecting and dismantling related steel falsework and temporary bridges.

(12) Concrete reinforcing: the unloading, carrying, placing, and tying of all concrete reinforcing such as rebar, wire mesh, expanded metal, post-tensioning cables (including the calibrating and use of hydraulic jacks during the entire tensioning process) or prestress bonded cables including the grouting of all bonded cables and tendons when installed on the job site, and the layout and surface preparation (cleaning or grinding, placement, and welding) of shear connectors (such as Nelson studs).

(13) Positioning and securing steel bars in concrete forms and other required locations to reinforce concrete. Determining numbers, sizes, shapes, and location of reinforcing rods from blueprints, sketches, or oral instructions. Selecting and placing rods in forms or at required locations; spacing and fastening them together, using wire and pliers or mechanical splices, and installing all associated chairs, bolster bars, or cement bricks for correct spacing. Cutting bars to required lengths using hacksaw, bar cutters, or oxyacetylene torch.

Bending steel rods with hand tools or rod bending machine. Reinforcing concrete with wire mesh or rebar for slabs-on-grade, floor systems, fireproofing of structural steel members (including clips, bolts, or steel studs), and simulated rock formations. Welding reinforcing bars together, using standard arc welding or specialty welding processes. Welding deck pans on a bridge and reinforcing supports for the concrete structure: lays out and drills holes for dowel placement and secures dowels by means of epoxy adhesive, grout, or other mechanical means.

(14) Rigging and erecting machinery and equipment: the unloading, moving, erection, and setting of machinery and equipment (except the setting of electric motors) when rigging or power equipment, or both, is used, which includes hydraulic or electric jack stands or cable lift systems.

(15) Unloading, handling, moving, and placing machinery and related steel framing, to be assembled, dismantled, erected, or installed to its approximate position (over the anchor bolts).

(16) Offloading, staging, rigging, erecting, and dismantling (for maintenance or repair) wind turbine sections, blades, hubs, and nacelles and the torquing of erection bolts.

(17) Unloading, assembling, erecting, plumbing, leveling, rigging, jumping, signaling to hoisting equipment operator, maintaining, and disassembling lattice boom cranes, tower cranes, buck hoists, Chicago booms, gin poles, guy and stiff leg derricks, manlifts, material hoists and towers, overhead travelers and traveling sheaves, and securing of same to buildings and structures where required.

(18) Installing monorails, bridge cranes, and underslung bridge cranes, including crane rails. Loading, unloading, moving, placing, and final setting of electrical transformers.

(19) Curtain wall, window wall, and windows: erecting and installing metal punched windows and enclosures, preglazed window units, strip windows (excluding storefront display windows), curtain-wall and window-wall systems and associated structural framing, panels and brackets related thereto, and installation of related cover plates, sills, stools molding, and trim work. Caulking, sealing, and weather stripping joints that abut those materials. Installing window washing systems including related guides, tracks, hooks, tiebacks, davits, and safety equipment.

(20) Doors: installing or erecting curtain type doors (overhead rolling-type doors), heavy industrial doors when made of metal, fire doors, and exterior metal hinged doors that carry a fire underwriters label, rolling grills and shutters (horizontal-sliding or vertical-drop), hangar doors, and related framing and installation of tracks, guides, sills, and thresholds.

(21) Sheeting and decking: installing structural metal sheeting (exterior or interior, corrugated or flat, insulated or noninsulated), structural metal floor decking and structural metal roof decking (including standing seam), structural metal ceiling and wall panel systems, insulated metal wall panel systems (so-called sandwich panels), and smoke curtains which are attached to a steel frame or to the metal, masonry, or concrete framework of a building or structure. Installs related purlins, girts, clips, brackets, fascia, soffits, and trim work.

(22) Pre-engineered metal buildings: erecting, installing, and retrofitting of the structural steel for pre-engineered buildings when they come in packaged units, such as Butler, Delta, Varco Pruden, or other name brand packaged buildings. Installing balconies, mezzanines, stairs and nonwood handrails, doors, windows (including Vista Wall and related systems), skylights, and insulation (when installed in conjunction with sheeting) in the packaged buildings.

(23) Structural and architectural precast or prestressed concrete and stone: unloading, installing, and erecting precast concrete columns, beams, single Ts, double Ts raker beams, spandrel beams, top panels, tilt-up slabs, and wall panels and the erection and welding of corbels, haunches, and other related components supporting gravity loads. Erecting precast and prestressed wall and roof panels and architectural stone (granite, limestone, marble, or composite materials) by bolting, clamping, or welding at the bottom to footing and at the top to steel joints as needed. Erecting buildings utilizing lift-slab or jack-slab constructions.

(24) Other: installing detention security equipment and materials, including the erection of prefabricated or modular steel or precast concrete cells, associated with guardhouses, jail cells, police station holding cells, prison cells, and detention facilities utilizing central locking systems. Installing furniture and fixtures, including, but not limited to, beds and bunks, benches, chairs, food hatch doors, pass-throughs, food tray shelves, grills, mirrors, and tables (excluding sanitary facilities such as sinks and toilets); detention security doors, frames, and hinges including sliding doors and related guides, hardware, devices, and grouting of door frames); detention security hardware

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and locks; detention security gates, ceilings, and hatchway doors; detention security windows of glass, acrylic, and similar materials; detention security partitions (including woven wire partitions) and detention security caulking; and secure rooms, security and store-rooms, and cages related to security doors and door frames.

(25) Installing theater equipment such as drapery and fire curtains and related tracks and guides, backdrop and scenery equipment, back stage lifts, counter weight systems and stage rigging (cabling and reaving-up included), and structural framing, grids, and related catwalks that support any state and theater equipment-related components such as stage lighting and sound systems.

(26) Installing and erecting ornamental, cast iron, wrought iron, chain, and cable link fences, security fences, gates (excluding site clearing, boring of holes and placing of concrete) and blast deflector fences, including layout and erection of related structural framework, baffles, and sheeting.

(27) Installing dry storage bins, hoppers, silos, chutes, and conveyors where ash, coal, lime, ore, sand, or any dry component is stored or transferred.

(28) Erecting, altering, retrofitting, and repairing bridges, viaducts, cableways, tramways, and monorail transportation systems and the dismantling of same if for reuse or re-erection.

(29) Erecting geodesic and other domes supported by structural steel or air or cable supported and related fabric installation.

(30) Erecting, installing, repairing, removing, and dismantling locks, gates, sluice gates and bulkheads, weirs and weir plates, lift-station buildings, metal forms and railing (including pipe) on waterways, locks, dams, and flood control projects.

(31) Erecting pump station buildings on pipelines (excluding mechanical, piping, or electrical work). Erecting or installing frames in support of boilers, if part of the building structure.

(32) Assembling and erecting communication towers, (TV, radar, satellite, and microwave); installing related antennas and wave guide and other types of structural steel towers such as self-supporting towers, guyed towers, or monopoles (excluding electrical power transmission towers).

(33) Unloading and setting modular or prefabricated buildings, excluding mechanical, piping, or electrical work.

(34) Installing metal guardrails with metal posts and erecting highway informational signs.

(35) Erecting, trimming, and fitting together by means of bolts and clamps, iron grills, grating, and special stairways.

(36) Erecting ornamental enclosures and other ironwork not included in structural ironwork;

(37) Erecting safes and vaults (assembled and unassembled), vault doors, plates, and trim.

(38) Fastening ironwork to walls of buildings by means of bolts, brackets, or anchors.

(39) Installing pallet racks, speed racks, and associated shelving. Installing fall protection systems and related safety equipment for use by ironworkers.

C. Typical tools used: spud wrenches, sleaver bars, hammers, alignment pins, wedges, hydraulic jacks, rams, pliers, wire reels, tape measures, thickness gauges, various clamps, optical instruments such as Total Station and Pacific Laser System, transits, plumb bob, gas saws, drills, hammer drills, porta-bank, torsion control gun, welders (gas and electric), grinders, screw guns, tugger, chain fall, come-along, porta-power, roust-a-bout, genie lifts, J.L.G., scissors lift, sawzall, impact wrenches, torque wrenches, air compressors, stressing rams and equipment, jacking systems, power lifts, metal shears, torching equipment (acetylene, plasma, propane, and oxygen), cable cutters, automatic rebar typing machine, various types of rope, nylon slings, wire rope chokers, and shackles.

Subp. 13. Code No. 713, Lineman.

A. Nature of work: erecting, maintaining, and repairing transmission poles (wood, metal, or other), fabricated metal transmission

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towers, outdoor substations, switch racks or similar electrical structures, electric cables, and related equipment for high-voltage transmission and distribution power lines.

B. Typical duties:

- (1) Adhering to safety practices and procedures, such as checking equipment regularly and erecting barriers around work areas.
- (2) Opening switches or attaching grounding devices in order to remove electrical hazards from disturbed or fallen lines or to facilitate repairs.
- (3) Climbing poles or using truck-mounted buckets to access equipment.
- (4) Placing insulating or fireproofing materials over conductors and joints.
- (5) Installing, maintaining, and repairing electrical distribution and transmission systems, including conduits, cables, wires, and related equipment such as transformers, circuit breakers, and switches.
- (6) Identifying defective sectionalizing devices, circuit breakers, fuses, voltage regulators, transformers, switches, relays, or wiring using wiring diagrams and electrical-testing instruments.
- (7) Driving vehicles equipped with tools and materials to job sites.
- (8) Coordinating work assignment preparation and completion with other workers.
- (9) Inspecting and testing power lines and auxiliary equipment to locate and identify problems using reading and testing instruments.
- (10) Stringing wire conductors and cables between poles, towers, trenches, pylons, and buildings; setting lines in place; and using winches to adjust tension.

C. Typical tools used: hand tools, power drills, conduit benders, saws, voltage or current meters, and wire or cable cutters.

Subp. 14. Code No. 714, Millwright.

A. Nature of work: assembling, installing, aligning, and dismantling mechanical, hydraulic, pneumatic, power generation, and electrical machinery in commercial and industrial sites.

B. Typical duties:

- (1) Replacing or repairing defective parts of machine and adjusting clearances and alignment of machinery moving parts.
- (2) Aligning machinery and equipment using hoists, jacks, hand tools, squares, rules, micrometers, plumb bobs, lasers, optical equipment, and alignment wire.
- (3) Connecting power unit to machines or steam piping to equipment, and testing unit to evaluate its mechanical operation.
- (4) Repairing, revising, and lubricating machines and equipment.
- (5) Assembling and installing equipment using hand tools and power tools including welding and rigging incidental to that work.
- (6) Positioning steel beams to support bedplates of machinery and equipment using blueprints and schematic drawings to determine work procedures.
- (7) Signaling crane operator to lower basic assembly units to bedplate and align unit to centerline.
- (8) Inserting shims, adjusting tension mounts and bolts, or positioning parts using hand tools, measuring instruments, and power tools to set specified clearances between moving and stationary parts.

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(9) Moving machinery and equipment using hoists, dollies, rollers, and trucks.

(10) Attaching moving parts and subassemblies to basic assembly unit using hand tools and power tools.

C. Typical tools used: gauges or inspection fixtures, hammer, hoists, levels, precision measuring equipment, micrometers, pullers, punches or nail sets, drill press, and hand tools necessary to perform work in items A and B.

Subp. 15. Code No. 715, Painters.

A. Nature of work: Applying coats of primer, paint, sealer, stain, varnish, enamel, lacquer, and special coatings to decorate and protect interior or exterior surfaces, trimmings, and fixtures of buildings and structures. Applying wall coverings both paper and vinyl, and carpet to walls and ceilings.

B. Typical duties:

(1) Preparing, applying, and removing all types of coatings and coating systems in relation to all painting, decorating, protective coatings, coating and staining of concrete floors, toppings, waterproofing, masonry restoration, fireproofing, fire retarding, metal polishing, refinishing, sealing, lining, fiberglassing, E-Glass fiberglass, carbon fiber, encapsulating, insulating, metalizing, and flame spray.

(2) Each and all such applications, and similar or substitute applications, on all surfaces, interior and exterior, to include, but not be limited to: residences; buildings; structures; industrial, power, chemical, and manufacturing plants; bridges; tanks; vats; pipes; stacks; light- and high-tension poles; parking, traffic, and air strip lines; trucks; automobile and railroad cars; ships; aircraft; and all machinery and equipment.

(3) Any and all material used in preparation, application, or removal of any paint, coatings, or applications, including, but not limited to: the handling and use of thinners, dryers, sealers, binders, pigments, primers, extenders, air and vapor barriers, emulsions, waxes, stains, mastics, plastics, enamels, acrylics, alkyds, epoxies, epoxy injection and T-Lock welding, sheet rubber, foams, and seamless and tile-like coatings.

(4) All preparation for and removal of any and all materials for finishes, such as deep cleaning, patching, all levels of finishing, taping and finishing, skim coating, pointing, caulking, high-pressure water, chemical, and abrasive blasting, environmental blasting, wet/dry vacuum work, chemical stripping, scraping, air tooling, bleaching, and steam cleaning.

(5) Wall covering work including, but not limited to: all material applied to walls or ceilings with adhesive, staples, or tacks, by stretching or adhered by any other method, including all papers, vinyls, flexible woods, fabrics, borders, metals, upholstered wall systems, the fabric-covered panels made of plastic, wood, or prefinished products of micro fiberglass, acrovin, and various plastic wall coverings such as wainscoat, caps, corner moldings, and accessories.

(6) Any and all preparation of walls and ceilings such as scraping or any methodology for removal of existing materials, including patching, leveling, skim coating, and priming.

(7) Mixing, testing, preparing, and manufacturing of paint, coating, caulking, putty, and sealants, and handling of lead, color, oil, lacquer, varnish, synthetic resin, and acrylic paints and coatings, including any and all materials for the same.

(8) All processes and procedures for decontamination of all contaminated areas and all cleanup of any type of debris caused by or during the preparation or application of any work described in this classification.

(9) Pavement marking including hand-brushed, hand-sprayed, and the taping of pavement markings, striping via trucks, and the operation of compressors for purposes of marking pavement.

(10) Handling application and removal of permanent or temporary paint or paint substitutes to roadways and curbs for the purpose of traffic or pedestrian control.

C. Typical tools used:

(1) Hand tools — hopper guns, pneumatic spray texture guns, spray texture guns, stucco patching guns, compressors, pasting machines, heat guns, sandblasting equipment.

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(2) Paint sprayers — airless spray equipment, power brushes, spray guns, striping machines and trucks, electrostatic sprayers.

(3) Power sanders — disk sanders, electric paint removers, paint stripping equipment, sanders.

(4) Pressure or steam cleaners — hydroblasters, pressure washers, steam cleaning equipment, wallpaper steamers.

(5) Putty knives — drywall taping knives, patching knives, spackling knives.

Subp. 16. Code No. 716, Piledriver.

A. Nature of work: performing pile work and driving piles of any type, including, but not limited to, wood, steel, concrete, and composite materials. Includes bridge work, bridge demolition, and pile driving work related to waterfront and marine installations. Set up and operation of vibratory equipment.

B. Typical duties:

(1) Handling, laying out, driving, cutting, and splicing of wood, metal, or concrete piling regardless of purpose or materials (for example, sheets, I-beams, helical and soil anchors of all material, pile caps, and welding to piling).

(2) Setting up hoisting equipment for raising and placing wooden or concrete piles or steel sheeting sections to cable of hoist, using chain, cable, or rope. Pumping of material into piling.

(3) Signaling worker operating hoisting equipment to lift and place the wooden or concrete pile or steel sheeting section. Installing safety equipment incidental to pile driving work.

(4) Guiding wooden or concrete pile or steel sheeting section using tab line (rope) or rides on.

(5) Pile or steel sheeting to guide it into position. Pulling, pushing, or prying wooden concrete pile or steel sheeting into place while pile or sheeting is supported by hoisting equipment. Bracing forms in place with timbers, tie rods, and anchor bolts, for use in building concrete piers, footings, and walls and falsework in bridge construction.

(6) Assembling, disassembling, and rigging of the pile driving equipment and hoisting equipment when used in pile driving.

(7) Conducting underwater diving that is incidental to pile driving work. Diving below water to perform welding and other work incidental to pile driving, highway and commercial construction, and the tending and assisting of divers by performing such tasks as monitoring divers, handing material to divers, and handling of equipment used while driving.

C. Tools used: operating pile drivers mounted on skids, barges, crawler treads, or locomotive cranes or any hoisting equipment to drive pilings for retaining walls, bulkheads, and foundations of structures, such as buildings, bridges, and piers. Torches, cable cutters, chain saws, and all necessary welding equipment. Vibratory driver or extractor for piling and sheeting operations.

Subp. 17. Code No. 717, Pipefitters — steamfitters.

A. Nature of work: performing and assisting in fabricating, assembling, installing, altering, dismantling, maintaining, and replacing pipe systems, pipe supports, and related hydraulic and pneumatic equipment for steam, hot water, heating, cooling, lubricating, and industrial production and processing systems (ammonia, refrigerant, steam, hot water, chilled water, process piping, etc.).

B. Typical duties:

(1) Fabricating, assembling, and installing piping and tubing systems that are to conduct steam, air, and other fluids, solids, or gases in and around buildings and structures, including hangers, restraints, and supports for such systems.

(2) Cutting, threading, and hammering pipe to specifications using tools such as saws, cutting torches, and pipe threaders and benders.

(3) Assembling and securing pipes, tubes, fittings, and related equipment according to specifications by welding, brazing, cementing, soldering, and threading joints.

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(4) Attaching pipes to walls, structures, and fixtures such as radiators or tanks using brackets, clamps, tools, or welding equipment.

(5) Measuring and marking pipes for cutting and threading.

(6) Installing vacuum piping systems with manufacturing or industrial facilities.

(7) Installing and maintaining pneumatic components of machines and equipment, such as pumps and cylinders, using hand tools.

(8) Joining ductile iron and plastic pipes when such pipes will be under pressure and used as distribution lines for water mains and sewers.

(9) Installing piping systems for refrigeration, cooling, and heating equipment, including, but not limited to, compressors, coils, pumps, tanks, gauges, valves, tubes, and pipes. See "Sheet Metal Worker" for the installation of sheet metal duct work.

(10) Performing welding and burning which is incidental to the work of pipefitting or steamfitting.

(11) Locating, cutting, and boring holes in structures, such as bulkheads, decks, walls, and mains, prior to pipe installation, using hand and power tools. Setting sleeves in the penetrations.

(12) Dismantling piping systems and equipment, including, but not limited to, heating, cooling, process, refrigeration, and HVAC systems.

(13) Installing, removing, altering, maintaining, and repairing solar panels and piping, or parts thereof, that are related to the heating or cooling system.

(14) Installing, removing, altering, maintaining, and repairing geothermal piping, or parts thereof, used in relation to the heating or cooling system.

(15) Testing and balancing hydronic equipment and piping.

(16) Labeling and stenciling piping and equipment under this trade classification.

(17) Unloading, moving, handling, rigging, placing, and setting of piping and equipment related to work under this classification.

(18) Installing, repairing, or replacing flue pipe and breaching when made of steel or plastic pipe.

(19) Laying out mechanical pads, curbs, and bases.

(20) Installing instrumentation and controls as they pertain to HVAC equipment.

(21) Starting up, servicing, and commissioning HVAC systems.

(22) All low-voltage wiring and controls as it relates to HVAC equipment.

(23) Installing, removing, altering, maintaining, and repairing combustible and noncombustible gas systems and piping, or parts thereof, relating to heating, cooling, and process equipment.

(24) Increasing pressure in pipe systems and observing connected pressure gauges to test system for leaks. Performing other work in connection with the installation and testing of heating and cooling apparatus and control devices.

C. Typical tools used:

(1) Levels — automatic levels, laser levels, pocket levels, and two-hole pins.

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- (2) Power grinders — offset grinders, pedestal grinders, portable grinders, and stationary grinders.
- (3) Screwdrivers — flat screwdrivers, impact screwdrivers, and Phillips head screwdrivers.
- (4) Taps or dies — dies, drophead dies, and taps.
- (5) Welders — alternating current/direct current (AC/DC) welders, arc welders, and welding machines.
- (6) Torches — cutting and brazing.
- (7) Wrenches — combination, pipe wrench, channel locks, crescent wrench, sockets and ratchets, and vise grips.
- (8) Squares — Tri-square and framing square.
- (9) Hammers — ball peen, rubber, and framing.
- (10) Power tools — Sawzall, band saws, drills, drill presses, screw guns, and core drills.

Subp. 18. Code No. 718, Plasterers.

A. Nature of work: applying coats of plaster or stucco to interior or exterior walls, ceilings, and partitions of buildings and structures to produce a finished surface. Installing exterior insulation finish systems (EIFS). Fireproofing building assemblies with plaster materials, sprayed fiberglass, or other similar materials, whether applied to gypsum, metal lath, or directly.

B. Typical duties:

- (1) Applying plaster to lath, masonry, drywall, or other bases; applying stucco to exterior walls using trowels, brushes, or spray guns. Sealing joints between plasterboard or other wallboards to prepare the wall surface for veneer plaster system.
- (2) Spraying fireproof insulation onto gypsum, lath, or other surfaces.
- (3) Creating decorative textures in finish coat systems using brushes, trowels, sand, pebbles, or stones.
- (4) Applying insulation to building exteriors by installing prefabricated insulation systems over existing walls or by covering the outer wall with insulation board, reinforcing mesh, and a base coat.
- (5) Skim coating various manufacturers' brand names of thin coat or plaster veneer.
- (6) Applying bonding agents; cleaning and preparing surfaces for applications of plaster, cement, stucco, or similar materials.
- (7) Grouting and filling of door bucks and similar installations.
- (8) Applying and setting stone imitation, any patent material when cast, crushed stone, marble, ceramic chips, broken glass embedded in plaster, or similar materials.
- (9) Applying malleable plastic materials and epoxy materials.
- (10) Applying weatherproof, decorative coverings to exterior surfaces of buildings such as troweling or spraying on coats of stucco.
- (11) Spraying acoustic materials or texture finish over walls and ceilings.
- (12) Molding and installing ornamental plaster pieces, panels, and cornices.
- (13) Applying plaster or stucco siding materials.

C. Typical tools used:

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(1) Edgers — corner tools, inside step tools, ornamental cut and shape tools, outside step tools.

(2) Floats — darbies.

(3) Hammers — claw hammers and plasterers' hammers.

(4) Ladders — stilts.

(5) Paint sprayers — plaster spraying machines and spray guns.

(6) Saws — hand saws and keyhole saws.

(7) Trowels — featheredgers, hand trowels, power trowels, and scratcher trowels.

(8) Utility knives — trimming knives.

Subp. 19. Code No. 719, Plumbers.

A. Nature of work: performing or assisting at the business, trade, or work having to do with the installation, removal, alteration, or repair of plumbing and drainage systems or parts thereof, which include, but are not limited to, plumbing fixtures, plumbing appliances, and plumbing appurtenance.

B. Typical duties:

(1) Installing, removing, altering, maintaining, and repairing all potable and nonpotable water supplies and distribution pipes, all plumbing fixtures and traps, all drainage and vent pipes, all building drains, and their associated parts, including their respective joints and connections; devices and appurtenances including potable and nonpotable water treatment or using equipment.

(2) Any worker assisting a plumber shall be classified as a plumber.

(3) Locating and marking position of pipe, pipe connections, and passage holes, and installing sleeves for pipes in walls and floors using all tools, hand or powered, to complete this task.

(4) Cutting openings in walls and floors to accommodate pipe and pipe fittings using hand and power tools.

(5) Joining pipes with screws, bolts, couplings, clamps, cement, fittings, solder, brazing, welding, plastic solvent, caulk joints, push gasket, o-ring connection, compression, and similar materials.

(6) Testing all piping, fixtures, appliances, and appurtenances according to *Minnesota Rules*, chapter 4715.

(7) Meeting with the proper administration authority to verify the work has been performed according to *Minnesota Rules*, chapter 4715.

(8) Installing, removing, altering, maintaining, and repairing drainage and sewage lines and their parts.

(9) Dismantling piping systems to be replaced or reconditioned.

(10) Installing, removing, altering, maintaining, and repairing supports for all piping, equipment, appurtenances, appliances, fixtures, and their parts for the proper installation of the plumbing system.

(11) All drip pans that are installed in conjunction with the plumbing or piping system.

(12) All low voltage used to operate the plumbing or piping systems.

(13) All erection and dismantling of any equipment used to access a plumbing or piping system for installation, removal, alteration, maintenance, or repair.

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(14) Installing, removing, altering, maintaining, and repairing piping and facilities that receive or treat the discharge from plumbing fixtures and their associated parts.

(15) Back filling and compacting ditches and excavations using hand-operated machines where plumbing systems are installed.

(16) Removing dirt, concrete, bituminous, or similar materials for installation, removal, alteration, maintenance, or repair of a plumbing system.

(17) Installing, removing, altering, maintaining, and repairing medical gas or gases used in the medical industry, or parts thereof.

(18) Installing, removing, altering, maintaining, and repairing vacuum piping systems, vacuum cleaning and dust collection systems, and their parts in a nonmanufacturing facility.

(19) Installing, removing, altering, maintaining, and repairing combustible and noncombustible gas systems and piping and their parts, including venting.

(20) Rigging, lifting, loading, unloading, and stockpiling, by hand or machine, all equipment fixtures, appliances, appurtenances, and piping related to the plumbing system.

(21) Labeling or stenciling piping, valves, equipment, and their parts under this trade classification.

(22) Backing used for support for all plumbing fixtures, appliances, and accessories.

(23) Installing plumbing accessories.

(24) Installing sheetlead and other like materials to protect workers and the general public.

(25) Installing, removing, altering, maintaining, and repairing solar panels, piping, and their parts related to the plumbing system.

(26) Installing, removing, altering, maintaining, and repairing geothermal piping and their parts used in relation to the plumbing system.

(27) Installing material used to protect the building from smoke and fire damage as related to the plumbing and piping systems. Special materials are applied where the piping for the plumbing system has penetrated through floors, walls, and ceilings in order to protect from smoke and fire damage in case of fire.

(28) Venting of subsoils, from the lowest finished floor to the atmosphere, for removal of gases.

(29) Installing plates or equivalent to protect all plumbing pipe and tubing.

(30) Installing, removing, altering, maintaining, and repairing systems or parts of systems carrying water free from impurities present in amounts sufficient to cause disease or harmful physiological effects and conforming in its bacteriological and chemical quality to parts 4720.0200 to 4720.2300 or the regulations of the local public health authority having jurisdiction.

(31) Installing, removing, altering, maintaining, and repairing associated with setting and connecting to the plumbing system all house tanks, surge tanks, pressure tanks, hot water heaters, or their parts.

(32) Installing, removing, altering, maintaining, and repairing piping and the setting of all equipment, appliances, and appurtenances in connection with water booster, pumping stations, and water filtration plants, or parts thereof inside the structure.

(33) Installing, removing, altering, maintaining, and repairing water pumps and piping, such as water lifts, hydraulic rams, and water boosters worked by water, electric, or air power used in the plumbing system, or parts thereof.

(34) Installing, removing, altering, maintaining, and repairing suction and discharge of central distributing and boosting stations in

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connection with water or fire lines, or parts thereof.

(35) Installing, removing, altering, maintaining, and repairing fire pumps, tanks, or water main connections and standpipes with hose connections and cabinets, or parts thereof.

(36) Installing, removing, altering, maintaining, and repairing multipurpose potable water systems under *Minnesota Statutes*, chapter 299M.

(37) Installing, removing, altering, maintaining, and repairing sterilizing systems and sterilizing equipment, or parts thereof.

(38) Installing, removing, altering, maintaining, and repairing piping, equipment, appliances, and appurtenances for gasoline, oil, and lubricating systems, or parts thereof.

(39) Installing, removing, altering, maintaining, and repairing piping for Ozone systems, or parts thereof.

(40) Installing, removing, altering, maintaining, and repairing soda fountains, bars, restaurant equipment, piping, or parts thereof.

(41) Installing, removing, altering, maintaining, and repairing the wash down and drain piping for all chutes, or parts thereof.

(42) Installing, removing, altering, maintaining, and repairing pipe made from any metal, tile, glass, wood, transits, plastic, rubber, or any other material or products manufactured into pipe, usable in the piping industry, regardless of size, shape, or method of making joints, whether or not the piping is installed inside or outside, above the ground or below ground, encased or exposed, or pressure or nonpressure.

C. Typical tools used:

(1) Drain or pipe cleaning equipment — drain cleaning cables, hand spinners, sectional drain cleaning machines, toilet augers.

(2) Pipe or tube cutters — pipe cutters, power pipe cutters, ratcheting polyvinyl chloride (PVC) cutters, tubing cutters.

(3) Pipe wrenches — end pipe wrenches, offset pipe wrenches, straight pipe wrenches.

(4) Pressure indicators — air pressure gauges, heavy duty water pressure gauges, maximum reading water pressure gauges, water pressure gauges.

(5) Specialty wrenches — chain wrenches, spud wrenches, strainer wrenches, water heater element removal wrenches.

Subp. 20. Code No. 720, Roofer/waterproofer.

A. Nature of work: applying and installing any and all types of roofing materials. For sheet metal roofs see “Sheet Metal Workers.”

B. Typical duties:

(1) Installing slate and tile and all substitute materials taking the place of slate and tile used for roofing, such as asbestos slate or tile, cement, composition or Spanish tile, composition or wood shingles, or shakes, metal shingles or tile, or other substitute materials used on steep, with necessary metal flashing to make watertight. All solar or photovoltaic cell-type shingles used to transform solar energy to electrical energy.

(2) Cementing in, on, or around slate and tile roofs. The laying of felt, paper, or substitute material beneath the slate and tile or substitute materials. The dressing, punching, and cutting of all roof slate or tile, either by hand or machinery.

(3) Installing all forms of plastic, slate, slag, and gravel; asphalt and composition roofing; rock asphalt mastic when used for damp and waterproofing; prepared paper; compressed paper and chemically prepared paper; and burlap with or without coating. Installing all damp resisting preparations regardless of the method of application in or outside of building. Installing damp courses, sheeting, or coating on foundation work and tarred roofs. Laying of the tile or brick when laid in asphalt or pitch tar.

(4) Installing and applying new materials used in roofing, waterproofing, encapsulation, and containment process, including all forms of elastomeric or plastic (elastoplastic), or both, roofing systems, both sheet and liquid applied, whether single-ply or multi-ply.

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Installing or vacuuming of aggregates or stone, used as a ballast for inverted roofing membrane assembly, or roof of similar construction where insulation is laid over the roofing membrane. Sealing and caulking seams and joints on these elastoplastic systems to ensure watertightness. Applying liquid-type elastoplastic preparation for roofing, damp, or waterproofing when applied with a squeegee, trowel, roller, or spray equipment whether applied inside or outside of a building. Priming surfaces to be roofed, damp, or waterproofed, whether done by roller, mop, swab, three-knot brush, or spray systems. Waterproofing all types of preformed panels. All air barriers that are applied with materials that are traditionally used for roofing, waterproofing, and dampproofing systems including, but not limited to, sprays, epoxies, membranes, and bituminous products.

(5) Applying all types of spray-in-place such as urethane or polyurethane, and the coatings that are applied over them.

(6) Applying roof insulation when the insulation material is applied as an integral part of the roofing system, whether the insulation material is applied as the first, last, or any other layer in between.

(7) Operating and servicing kettles, bulk tankers, stationary heating tankers, other types of equipment and tools used to accomplish this work (including heating systems for the operation of the equipment), compressors for applying roofing material components, roof and mop carts, hydraulics, hand or power tools and equipment needed to apply waterproofing, and insulation and roofing materials.

(8) Handling, hoisting, and storing of all roofing, damp, and waterproofing materials and ballast. Set up ladders and scaffolding to provide safe access to work site.

(9) Tearing off or removing, or both, of any type of roofing, including ballast, all spudding, sweeping, drying, vacuuming, cleanup, or a combination of these, of any areas of any type where a roof is to be replaced.

(10) All cleaning, wire brushing, priming, and sealing of roof decks and surfaces that receive roofing, damp, or waterproofing.

C. Typical tools used:

(1) Blow torches — double-lock seamers, propane torches, single seamers, and torches.

(2) Hammers — claw hammers, plastic hammers, seaming hammers, and slate hammers.

(3) Hatchets — carpenters' hatchets, metro roofing hatchets, standards roofing hatchets, and wood shingling hatchets.

(4) Roof rippers — roofing spades, shingle rippers, tear-off bars, and tear-off shovels.

(5) Shears — clipping shears, foot squaring shears, membrane slitters, and slate cutters.

(6) Welders — heat welders and seam welders.

(7) Hand tools — rollers, scissors, insulation knife, roofing knife, trowels, awls, and tin snips.

(8) Power tools — pneumatic nail gun, powder actuated nail guns, air nail gun, screw guns, power saws, and power drills.

Subp. 21. Code No. 721, Sheet metal workers.

A. Nature of work: fabricating onsite, assembling, installing, and replacing sheet metal products and equipment, including control boxes, drainpipes, ductwork, furnace casings, and other ferrous and nonferrous products of varying degrees of gauge thickness, including PVC or fiberglass ductwork (typically nonstructural in nature). This does not include sheeting work performed by carpenters or ironworkers.

B. Typical duties:

(1) Installing, repairing, and altering such assemblies as ductwork for heating, ventilation, air conditioning, and exhaust systems, rain gutters and downspouts, furnace casings, air-to-air exchangers (HRV), and heat recovery systems and under floor systems.

(2) Installing panel and structures for refrigeration equipment. See subpart 17, Pipefitter — Steamfitter for installation of

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refrigeration units or systems.

(3) Maneuvering completed units into position for installation and anchoring the units.

(4) Installing sheet metal roofing and siding materials including soffit and fascia, except as installed by a carpenter or ironworker.

(5) Setting up and operating fabricating machines to cut, bend, and straighten sheet metal.

(6) Shaping metal over anvils, blocks, or forms, using hammers.

(7) Fastening seams and joints together with welds, bolt cement, rivets, and solder, caulks metal drive clips, and bonds to assemble components into products or to repair sheet metal items.

(8) Operating soldering and welding equipment to join sheet metal parts, inspecting assemblies, and smoothing seams and joints of burred surfaces.

(9) Removing sheet metal roofing when reroofing with sheet metal materials will occur.

(10) Testing and balancing air handling equipment and ductwork.

(11) Digging and backfilling for all underground duct systems.

(12) Insulating ductwork, plenums, and other air handling components.

(13) Installing lockers.

(14) Installing metal toilet partitions.

(15) Installing trash chutes.

(16) Installing laundry chutes.

(17) Installing metal shelving.

(18) Installing solar panels and solar shingle panels.

(19) Fabricating, installing, repairing, or replacing siding and panels.

(20) Fabricating, installing, repairing, or replacing all blowpipe, dust collection, and material handling systems.

(21) Fabricating, installing, repairing, or replacing all stainless steel kitchen equipment including, but not limited to, countertops, sinks, coolers, bars, exhaust hoods, ovens, and cabinets.

(22) Fabricating, installing, repairing, or replacing all cornice work.

(23) Installing, repairing, or replacing skylights.

(24) Fabricating, installing, repairing, or replacing all chimney liners, flue pipes, and breechings.

(25) Fabricating, installing, repairing, or replacing all flashings, counter flashings, or coping.

(26) Demolishing HVAC systems and ductwork when reused.

(27) Sealing HVAC systems and ductwork.

- (28) Laying out mechanical pads, curbs, and bases.
- (29) Installing, repairing, or replacing radiation covers.
- (30) Fabricating, installing, repairing, or replacing all drip pans.
- (31) Fabricating, installing, repairing, or replacing all brackets, hangers, or fasteners.
- (32) Installing and wiring instrumentation and controls as they pertain to HVAC equipment.
- (33) Installing duct-mounted smoke detectors.
- (34) Starting up, servicing, and commissioning HVAC systems.
- (35) Fabricating, installing, repairing, or replacing air filtration systems.
- (36) Installing air exchanger systems and heat recovery systems.
- (37) Fabricating, installing, repairing, or replacing sheet metal lagging over insulated pipes, ducts, tanks, and equipment.
- (38) Cutting openings in walls and floors to accommodate equipment using necessary tools and equipment.
- (39) Fabricating, installing, repairing, or replacing louvers.
- (40) Installing walk-in coolers.

C. Typical tools used:

- (1) Hammers — ball peen hammers, bumping hammers, setting hammers, and tinners hammers.
- (2) Metal cutters — aviation snips, bull snips hand notchers, power notchers, and V - notchers.
- (3) Punches or nail sets or drifts — center punches, prick punches, punches, and rotary punches.
- (4) Sequential forming machine — bar folders, bending machines, spiral duct machines, and wiring machines.
- (5) Shears — power shears, ring and circular shears, squaring shears, and unishears.
- (6) Workshop presses — drill presses, hand brakes, power presses, and rivet presses.
- (7) Assembly tools — screw guns, cleatlock tools, sockets and ratchets, hand seamers, various screwdrivers, hand crimpers, drive pullers, and dividers.

Subp. 22. Code No. 722, Sprinkler fitters.

A. Nature of work: installing, inspecting, and maintaining fire protection and fire control systems, including water mains (overhead and underground), fire hydrants, hydrant mains, standpipes, hose connections to sprinkler systems, sprinkler tank heaters, air lines and thermal systems used in connection with sprinkler and alarm systems, and all tanks and pumps connected thereto, including CO₂ and Cardox systems, dry chemical systems, foam systems, Halon, and all other fire protection systems.

B. Typical duties:

- (1) Installing piping, tubing, appurtenances, and equipment.
- (2) Locating and marking position of pipe and pipe connections and passage holes for pipes in walls using ruler, level, and plumb bob.
- (3) Cutting openings in walls and floors to accommodate pipe and pipe fittings using hand and power tools. Cutting and threading

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pipe using pipe cutters, cutting torch, and pipe-threading machine.

(4) Assembling and installing valves, pipe fittings, and pipes composed of metals such as iron, steel, copper, and brass, and nonmetals such as plastic using hand and power tools.

(5) Joining pipes by use of screws, bolts, couplings, clamps, cement, fittings, solder, brazing, welding, and plastic solvent.

(6) Filling pipe with water or air and reading pressure gauges to determine whether system is leaking.

(7) Dismantling piping systems to be replaced or reconditioned.

(8) Inspecting fire protection systems to ensure deficiencies are identified and corrected.

C. Typical tools used:

(1) Drills — power drills, hand drills, and core drills.

(2) Levels — automatic levels, laser levels, pocket levels, and two-hole pins.

(3) Pipe or tube cutters — pipe cutters, power pipe cutters, ratcheting polyvinyl chloride (PVC) cutters, and tubing cutters.

(4) Pipe wrenches — offset pipe wrenches and straight pipe wrenches.

(5) Power grinders — offset grinders, pedestal grinders, portable grinders, and stationary grinders.

(6) Pressure indicators — air pressure gauges and water pressure gauges.

(7) Screwdrivers — flat, Phillips, and impact screwdrivers.

(8) Specialty wrenches — chain wrenches.

(9) Taps or dies — dies, drophead dies, and taps.

(10) Welders — alternating current/direct current (AC/DC) welders, arc welders, and welding machines.

Subp. 23. Code No. 723, Terrazzo workers.

A. Nature of work: installing durable and decorative surfaces on floors, walls, and ceilings. Terrazzo work includes the following and similar materials: venetian enamel and terrazzo, cement terrazzo, magnesite terrazzo, Dex-O-Tex terrazzo, epoxy matrix terrazzo, exposed aggregate, and polished, honed, or sand finished materials.

B. Typical duties:

(1) Installing marble, mosaic, venetian enamel, and terrazzo; cutting and assembling of mosaics and art ceramics; casting terrazzo on the job site; and rolling of terrazzo work.

(2) Carving, cutting, and setting marble, slate, including slate blackboards, stone, albereen, carrara, sanionyx, vitrolite, and similar opaque glass, scagliola, marbleithic, and all artificial, imitation, or cast marble of whatever thickness or dimension. This applies to all interior work, such as sanitary, decorative, and other purposes inside of buildings of every description wherever required, including all polished, honed, or sand finished; cutting and fitting of those materials after they leave mills or shops, all accessories in connection with such work, and laying marble tile, slate tile, and terrazzo tile.

(3) All scratch coat on walls and ceilings where terrazzo is to be applied shall be done by plasterers, with an allowance of not less than a one-half inch bed to be conceded to terrazzo workers.

(4) All bedding above concrete floors or walls, the preparing, cutting, laying, or setting metal, composition, or wooden strips and grounds, and the laying and cutting of metal strips, lath, or other reinforcement, where used in terrazzo work.

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(5) Rustic or tough washed for exterior or interior of buildings placed either by machine or by hand, and any other kind of mixtures of plastics composed of chips or granules of marble, granite, blue stone, enamel, mother of pearl, quartz, ceramic-colored quartz, and all other kinds of chips or granules when mixed with cement, rubber, neoprene, vinyl, or magnesium chloride.

(6) Applying resinous or chemical substances used for seamless flooring systems.

(7) Applying binding materials when used on walls, floors, ceilings, stairs, saddles, or any other part of the interior or exterior of the building; other work not considered a part of the building such as, but not limited to, fountains or swimming pools; and all other substitutes that may take the place of terrazzo work.

(8) Finishing cement floors where additional aggregate of stone is added by spreading or sprinkling on top of the finished base and troweled or rolled into the finish and then the surface ground by grinding machines.

(9) A terrazzo finisher's work consists of assisting, helping, or supporting the terrazzo mechanic by performing historic and traditional work assignments required to complete the proper installation of the work.

C. Typical tools used:

(1) Laying out stone and tile projects; maneuvering heavy objects; mixing and matching paints, stains, and pigments; mixing materials such as mortar, grout, concrete, plaster, and stucco to proper consistency, and preparing surface and site for masonry work.

(2) Reading blueprints and technical drawings, repair work orders, and schematics and specifications; and using measuring devices in construction work such as transits or measuring tapes, and using tile and masonry adhesives.

Subp. 24. Code No. 724, Tile setters.

A. Nature of work: applying tile to floors, walls, ceilings, stair treads, promenade of roof decks, garden walks, swimming pools, and all places where tiles may be used to form a finished surface for practical use, sanitary finish, or decorative purpose, in the following materials: burned clay products (used in the tile industry, glazed or unglazed), terra cotta tile, unit tile, ceramic veneer, machine-made terra cotta, and similar materials. Tile setters set tile, repair and patch tile, lay out the work, and install substrates; install showers, countertops, floors, and steps; lay quarry tile; and install ceilings, mantels, hearths, swimming pools, domes, columns, and arches.

B. Typical duties:

(1) Laying, cutting, or setting tile where used for floors, walls, ceilings, walks, promenade roofs, stair treads, stair risers, facings, hearths, fireplaces, and decorative inserts, together with any marble plinths, thresholds, or window stools used in connection with any tile work.

(2) Preparing and setting all concrete, cement, brickwork, or other foundation or materials that may be required to properly set and complete such work; setting or bedding all tiling, stone, marble, composition, glass, mosaic, or other materials forming the facing, hearth, or fireplace of a mantel, or the mantel complete, together with the setting of all cement, brick work, or other materials required in connection with that work.

(3) Slabbing and fabricating tile mantels, counters, and tile panels of every description, and the erection and installation of same; building, shaping, forming, constructing, or repairing fireplace work, whether in connection with a mantel hearth facing or not, and setting and preparing material, such as cement, plaster, mortar, brickwork, iron work, or other materials necessary for the proper and safe construction and completion of such work, except that a mantel made exclusively of brick, marble, or stone, shall be conceded to be bricklayers', marble setters', or stonemasons' work, respectively.

(4) The term "tile" means burned clay products, as used in the tile industry, either glazed or unglazed, and to all composition materials made in single units up to 15" x 20" x 2", except quarry tiles larger than 9" x 9" x 1/4", also to mixtures in tile form of cement, plastics, and metals that are made for and intended for use as a finished floor surface, whether upon interior or exterior floors, stair treads, promenade roofs, garden walks, interior walls, ceilings, swimming pools, and all places where tile may be used to form a finished surface for practical use, sanitary finish, or decorative purposes, for setting all accessories in connection therewith, or for decorative inserts in other materials.

(5) All terra cotta called unit tile in sizes of 6" x 12" or less, regardless of method of installation, quarry tile 9" x 9" x 1/4" or less;

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split brick or quarry tile or similar materials where the bed is floated or screeded and the joints grouted. Where the work is installed by tile layers, the grouting and cleaning shall be supervised by the mechanic. The bedding, jointing, and pointing of the above materials shall be the work of the craft installing the same. All clay products known as terra cotta tile, unit tile, ceramic veneer, machine-made terra cotta, and like materials in sizes 6" x 12" and less, regardless of the method of installation. Where the preponderance of materials to be installed comes within the provisions of this classification and when there is also some material in excess of the sizes provided for in this classification, the tile setter shall install all such materials.

(6) Measuring and cutting metal lath to size for walls and ceilings with tin snips. Tacking lath to wall and ceiling surfaces with staple gun or hammer for purposes of applying tile to the area.

(7) Spreading concrete on subfloors with trowel and leveling it with screed for purposes of applying tile to the area.

(8) Spreading mastic or other adhesive base on roof deck, using serrated spreader to form base for promenade tile.

(9) Cutting and shaping tile with tile cutters and biters.

(10) Positioning tile and tapping it with trowel handle to affix tile to plaster or adhesive base.

C. Typical tools used:

(1) Floats — bull floats, grout floats, magnesium floats, and wood floats.

(2) Hammers — claw hammers and rubber hammers.

(3) Levels — builders' levels, laser levels, and water levels.

(4) Plaster or mortar mixers — colloidal mixers, mixing drills, portable mixers, and vertical shaft mixers.

(5) Power grinders — angle grinders, base grinders, mini grinders, and stone grinders.

(6) Power saws — grout saws, power tile saws, power undercut saws, and wet saws.

(7) Scaffolding — ladder jacks, mechanical scaffolds, rolling scaffolds, and stationary scaffolds.

(8) Trowels — buttering trowels, grouting trowels, notch trowels, and point trowels.

Subp. 25. Code No. 725, Tile finishers.

A. Nature of work: finisher work includes mixing grout, grouting, and surfacing all types of tile, cutting tile, and sealing surfaces. Tile finishers work primarily after the tile is set and adhered to the floor or wall by tile setters. Tile finisher work also includes mixing mortars, epoxy resins, and adhesives and cleaning, treating, and sealing surfaces.

B. Typical duties:

(1) Mixing grout.

(2) Grouting.

(3) Surfacing all types of tile.

(4) Cutting tile.

(5) Sealing surfaces.

(6) Mixing mortars, epoxy, and adhesives.

(7) Cleaning, treating, and sealing surfaces.

(8) Preparing floors.

C. Typical tools used:

(1) Sponges.

(2) Rubber floats.

(3) Cleaning brushes.

(4) Foam brushes.

(5) Wheel barrow.

(6) Tile cutter.

(7) Cutting boards.

(8) Tile saw.

(9) Brooms.

(10) Floor scrapers.

(11) Margin trowels.

Subp. 26. Code No. 726, Drywall taper.

A. Nature of work: drywall tapers perform seal joints between plasterboard and other wallboards to prepare wall surface for painting or papering or any type of wall finishing system.

B. Typical duties:

(1) Handling all materials after the initial unloading at the job site, including the distribution to the points of application.

(2) Erecting, moving, and dismantling all scaffolding.

(3) All preparatory work of taping, sealing, finishing, and sanding joints between plasterboard or other wallboard.

(4) Spotting, caulking, pointing, and sealing cracks and holes in walls and ceilings.

(5) Applying protective coverings prior to the application of the finish materials.

(6) Spackling surfaces and applying texture finishes where adhesive materials are used.

(7) Installing metal moldings at corners instead of sealant and tape.

(8) Removing all drywall material scraps and all cleaning work, including scraping of floors.

C. Typical tools used:

(1) Hand sprayers — (hand-operated) spray guns, hopper guns, patch guns, and texture sprayers.

(2) Ladders — drywall stilts.

(3) Paint rollers — corner rollers and texture rollers.

Proposed Rules

(4) Plaster or mortar mixers — drywall mud mixers.

(5) Putty knives — corner knives, joint knives, pivoting drywall knives, and wipedown knives.

(6) Saws — drywall (saws).

(7) Trowels — drywall trowels and radius trowels.

(8) Utility knives — banjos, corner bead tools, corner tools, feather edge drywall derbies, joint tape dispensers, mesh tape, mud pans, hawks, drywall floor scrapers, and drills. Automatic taping tools to include automatic tapers, angle boxes, angle beads, angle head handles, and flat boxes. Flat box handles, extendable handles, nail spotters, loading pumps, goosenecks, and filler adapters.

(9) Sanders — dustless drywall sanders, pole sanders, hand sanders, and dust barrier systems.

Subp. 27. Code No. 727, Wiring system technician; communications system technician.

A. Nature of work: installing, inspecting, repairing, and servicing electronic and telecommunications systems.

B. Typical duties:

(1) Installing, repairing, and servicing radio, television, and recording systems and devices; systems for paging, intercommunication, public address, wired music, clocks, security and surveillance systems, and mobile radio systems; fire alarm and burglar alarm systems.

(2) Wiring low-voltage surface wiring and wiring in nonmetallic conduits and incidental shielded metallic conduit.

(3) Installing, repairing, and servicing, or a combination of these, the main distribution frame (MDF) where the permanent outside lines entering a building terminate and where the subscriber's line multiple cabling and trunk multiple cabling originate, usually located on the ground floor of a building.

(4) Installing, repairing, and servicing, or a combination of these, of the intermediate distribution frames (IDF), which provides flexibility in allocating the subscriber's number to the line unit or equipment in the office that is to be associated with the particular line. These frames are located on each floor of a building.

(5) Installing, repairing, and servicing, or a combination of these, of the subpanels (blocks). The subpanels are connecting devices where large feed cables terminate at the distribution frames.

(6) Installing or repairing common equipment or key service unit, or a combination of these. This equipment consists of a backboard assembly and an equipment mounting frame, which are utilized for connecting external telephones.

(7) Installing, repairing, and servicing, or a combination of these, the instruments, terminals, and sets. This equipment is at either end of a circuit, or at a subscriber's or user's terminal.

(8) Installing, repairing, servicing, or a combination of these, the ancillary or add-on equipment such as bells, buzzers, speaker phones, headsets, automatic dialers, and recorders.

(9) Installing, repairing, and servicing telephone cable. Telephone cable includes: network channel service cable, riser cables between floors of a building, distribution cables installed on each floor of a building in the floor or the ceiling, and outside wires between the telephone and the connection to the distribution cable.

C. Typical tools used: level, pliers, wire cutters, measuring tape, wrench, wire stripper, needle nose pliers, power hand drill, soldering iron, and electric screw gun.

Subp. 28. Code No. 728, Wiring system installer; communications system installer.

A. Nature of work: installing communications or low-voltage wiring systems, not including lead end that is covered by the wiring systems technician.

B. Typical duties:

- (1) Pulling wire and splicing wire connecting to "dead end."
- (2) Installing peripheral devices.
- (3) Work done by installers does not require licensing.

C. Typical tools used: level, pliers, wire cutters, measuring tape, wrench, wire stripper, needle nose pliers, power hand drill, soldering iron, and electric screw gun

Subp. 29. Code No. 729, Asbestos abatement or environmental remediation worker.

A. Nature of work: removing asbestos from ceilings, walls, beams, boilers, mechanical equipment, and other structures following EPA and OSHA handling and removal requirements. Performing lead abatement and mold removal.

B. Typical duties:

- (1) Erecting scaffolding related to abatement and remediation and seals off work area using plastic sheeting and duct tape.
- (2) Positioning mobile decontamination unit or portable showers at entrance of work area.
- (3) Building connecting walkway between mobile unit or portable showers and work area using hand tools, lumber, nails, plastic sheeting, and duct tape.
- (4) Positioning portable air evacuation and filtration system inside work area.
- (5) Spraying chemical solution over asbestos-covered surfaces using tank with attached hose and nozzle to saturate asbestos.
- (6) Cutting and scraping asbestos from surfaces using knife and scraper.
- (7) Shoveling asbestos into plastic disposal bags and seals bags using duct tape.
- (8) Cleaning work area of loose asbestos using vacuum, broom, and dustpan.
- (9) Placing asbestos in disposal bags and seals bags using duct tape.
- (10) Dismantling scaffolding and temporary walkway using hand tools and places plastic sheeting and disposal bags into transport bags.
- (11) Sealing bags using duct tape and loads bags into truck for disposal.
- (12) Disinfecting structures or surfaces exposed to mold.
- (13) Performing air sampling.
- (14) Removing lead from surfaces by the use of sandblasting, water blasting, or other equipment.

C. Typical tools used: personal protective suits that completely isolate workers from the hazardous material. Most workers are also required to wear respirators while working, to protect them from airborne particles or noxious gases. The respirators range from simple versions that cover only the mouth and nose to self-contained suits with their own air supply. A variety of hand and power tools, brooms, ladders, cutting torches, vacuums and scrapers, putty knife, sandblasters, and high-pressure water sprayers.

Subp. 30. Code No. 730, Sign erector.

A. Nature of work: sign makers and sign installers fabricate, install, repair, alter, maintain, and dismantle commercial signs, fluorescent signs, neon signs, billboards, bulletins, poster panel signs, post and panel signs, and vinyl letter signs.

B. Typical duties:

Proposed Rules

(1) Installing and servicing signs, designing, lettering, and pictorial work of any kind, including vinyl signs and vinyl substrates, and the preparing or the finishing of same, be it by hand brush, roller, spray, mechanical, or computer-aided, and by any other method or process pertaining to same electric, neon, and luminous tube signs.

(2) Manufacturing luminous tubes, which includes the coating and processing of tubes and the bending, repairing, and pumping for all tubes (on the project work site).

(3) Assembling, installing, altering, repairing, and dismantling signs, displays, electric and neon sign displays, fluorescent lighting fixtures, fluorescent lighting signs, neon signs, and neon letters.

(4) Wiring, assembling, servicing, and electrical maintenance of such signs and displays.

(5) Installing and servicing painted, computer-generated, and photographed signs.

(6) Preparing sign surfaces, patterns, and layouts.

(7) Applying vinyl lettering, decals, and cutout letters.

(8) Preparing and pouncing patterns and tracing all patterns.

(9) Designing and cutting out letters made of wood or like materials, such as plastic, Masonite, wallboard, cardboard, sheet metal, aluminum, and vinyl.

(10) Priming, finishing, and gilding letters.

(11) All pictorial work on signs and screen process work in its entirety, including photography and operation of projector.

(12) Repainting signs, including painting of capping on billboards, bulletins and poster panels, and banners by spraying and use of rollers.

(13) Computer-generated layout and application of vinyl letters printed on surfaces.

C. Typical tools used: hand tools and power tools, post-hole digger, shovel, operate air hammer, operate banding machine, utility knife, sandblaster, stencil knife, paint brushes, computer, and ink jet printer.

Adopted Rules

A rule becomes effective after the requirements of *Minnesota Statutes* §§ 14.05-14.28 have been met and five working days after the rule is published in the *State Register*, unless a later date is required by statutes or specified in the rule. If an adopted rule is identical to its proposed form as previously published, a notice of adoption and a citation to its previous *State Register* publication will be printed. If an adopted rule differs from its proposed form, language which has been deleted will be printed with strikeouts and new language will be underlined. The rule's previous *State Register* publication will be cited.

KEY: Proposed Rules - Underlining indicates additions to existing rule language. ~~Strikeouts~~ indicate deletions from existing rule language. If a proposed rule is totally new, it is designated "all new material." **Adopted Rules** - Underlining indicates additions to proposed rule language. ~~Strikeout~~ indicates deletions from proposed rule language.

Board of Teaching

Adopted Permanent Rules Relating to Paraprofessional Credential

The rules proposed and published at *State Register*, Volume 34, Number 30, pages 1016-1021, January 25, 2010 (34 SR 1016), are adopted with the following modifications:

8710.9000 VOLUNTARY CREDENTIAL FOR EDUCATION PARAPROFESSIONALS.

Subp. 6. **Procedures for state issuance of a paraprofessional credential.** An applicant for a paraprofessional credential must submit to the ~~state~~ officials designated by the board to receive such applications:

C. ~~official~~ verification of passage of a state-approved examination in reading, writing, and mathematics for paraprofessionals; and

D. an application for a credential including ~~the~~ an application fee commensurate with the fee established in *Minnesota Statutes*, section 122A.21, subdivision 1, for the issuance, renewal, or extension of a license to teach, plus any surcharges authorized by law

Expedited Emergency Rules

Provisions exist for the Commissioners of some state agencies to adopt expedited emergency rules when conditions exist that do not allow the Commissioner to comply with the requirements for emergency rules. The Commissioner must submit the rule to the attorney general for review and must publish a notice of adoption that includes a copy of the rule and the emergency conditions. Expedited emergency rules are effective upon publication in the State Register, and may be effective up to seven days before publication under certain emergency conditions.

Expedited emergency rules are effective for the period stated or up to 18 months. Specific *Minnesota Statute* citations accompanying these expedited emergency rules detail the agency's rulemaking authority.

KEY: Proposed Rules - Underlining indicates additions to existing rule language. ~~Strikeouts~~ indicate deletions from existing rule language. If a proposed rule is totally new, it is designated "all new material." **Adopted Rules** - Underlining indicates additions to proposed rule language. ~~Strikeout~~ indicates deletions from proposed rule language.

Department of Natural Resources (DNR)

Adopted Expedited Emergency Game and Fish Rules: Lester Lake Fishing Restrictions

Lester Lake Special Harvest Regulation

NOTICE IS HEREBY GIVEN that the above entitled rules have been adopted through the process prescribed by *Minnesota Statutes*, section 84.027, subdivision 13 (b). The statutory authority for the contents of the rule is *Minnesota Statutes*, Section 97A.045, subd. 2, Section 97C.001, and Section 97C.005.

The emergency conditions that do not allow compliance with *Minnesota Statutes*, sections 97A.0451 to 97A.0459, are as follows. Until recently, Lester Lake was in private ownership. During this time access was restricted and harvest of fish from the lake was limited. Population survey conducted in 2010 by the Department revealed high "quality" populations of bluegill, northern pike, and largemouth bass. Once opened to the public, these populations of fish can be negatively affected even by very low harvest. Since the fish populations are limited by the lakes small size (55 acres at an average depth of 14 ft) and low productivity, it is important that restrictive harvest regulations be put on the lake to protect the fishery as this waterbody is opened up to the public. Time does not allow doing the longer rule making process and be able to protect the fish from current and upcoming harvest pressure.

Dated: August 9, 2010

Mark Holsten, Commissioner
Department of Natural Resources

6262.0575WATERS WITH RESTRICTIONS ON TAKING FISH.

[For text of subps 1 to 7, see M.R.]

Subp. 8. **Catch and release fishing.** While on or fishing in the following waters, angling is limited to catch and release only, whereby any fish caught must be immediately returned to the water. Catch and release angling is legal only during the open season.

Name	Location	County
<u>Lester Lake</u>	<u>T.142N, R.32W, S.5.6</u>	<u>Hubbard</u>

Expedited Rules

An agency adopts Expedited Rules (*Minnesota Statutes* 14.389) when a law requires or authorizes such rules. The agency must follow *Minnesota Statutes*, sections 14.19 and 14.366. Within 180 days after issuance of the administrative law judge's report, or that of the chief administrative law judge, an agency shall submit its notice of adoption, amendment, or repeal to the *State Register* for publication. If the agency has not submitted its notice to the *State Register* within 180 days, the rules are automatically withdrawn.

The agency may not adopt the withdrawn rules without again following the procedures of *Minnesota Statutes* 14.05 to 14.28. If the law authorizing or requiring rules to be adopted under this section 14.389, and refers to **Subdivision 5, Option**, then the notice must include a statement that a public hearing will be held if 100 or more people request a hearing. If such is the case, the agency may adopt the rule only after complying with all of the requirements of chapter 14 for rules adopted after a public hearing.

Minnesota Department of Natural Resources (DNR) Expedited Permanent Game and Fish Rules: Designated Spawning Beds and Fish Preserves, *Minnesota Rules*, part 6264.0125

The above-named rules, in the form published in the *State Register* on May 17, 2010, are adopted under my authority in *Minnesota Statutes*, sections 84.027, subdivision 13a, and 97C.025.

Date: July 21, 2010

Mark Holsten, Commissioner
Department of Natural Resources

ORDER ADOPTING RULES

The rules proposed and published at *State Register*, Volume 34, Number 46, pages 1611-1614, May 17, 2010 (34 SR 1611), are adopted as proposed.

Official Notices

Pursuant to *Minnesota Statutes* §§ 14.101, an agency must first solicit comments from the public on the subject matter of a possible rulemaking proposal under active consideration within the agency by publishing a notice in the *State Register* at least 60 days before publication of a notice to adopt or a notice of hearing, and within 60 days of the effective date of any new statutory grant of required rulemaking.

The *State Register* also publishes other official notices of state agencies and non-state agencies, including notices of meetings and matters of public interest.

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Department of Administration (Admin) Governor’s Council on Developmental Disabilities Notice of Meeting Schedule for Federal Fiscal Year 2011

The Minnesota Governor’s Council on Developmental Disabilities (GCDD) meets on the first Wednesday of the even-numbered months at the Continuing Education and Conference Center, University of Minnesota, St. Paul Campus, 1890 Buford Avenue, St. Paul, Minnesota 55108. Meetings are from 9:30 a.m. to 2:30 p.m. The meeting schedule for FFY 2011 is as follows:

October 6, 2010
December 1, 2010
February 2, 2011
April 6, 2011
June 1, 2011
August 3, 2011

Under provisions of the Developmental Disabilities Assistance and Bill of Rights Act (P.L. 106-402), the GCDD’s business - information, education, and training – is intended to increase the independence, productivity, self determination, integration and inclusion of people with developmental disabilities and their families in the community.

For further information, contact the GCDD by **phone:** (651) 296-4018; **toll free:** (877) 348-0505; **Minnesota Relay Service:** (800) 627-3529 or 711; **E-mail:** admin.dd@state.mn.us; or via Web site: www.mnddc.org OR www.mncdd.org.

Individuals needing accommodations should contact the GCDD at least 10 days in advance of the meeting date.

**Department of Employment and Economic Development (DEED)
Minnesota Agricultural and Economic Development Board
Notice of Public Hearing by the Minnesota Agricultural and Economic
Development Board on Proposed Projects and the Issuance of a Note Under
Minnesota Statutes, chapter 41A and Sections 469.152 through 469.165 on
behalf of People Incorporated**

NOTICE IS GIVEN that the Minnesota Agricultural and Economic Development Board (the “Board”) or its designated representative, will be present on Wednesday, September 22, 2010, at 9:00 a.m., or as soon thereafter as reasonably possible in the Capitol Conference Room of the First National Bank Building, 332 Minnesota Street, 2nd Floor Skyway Level, in St. Paul, Minnesota, for the purpose of conducting a public hearing on a proposed issue of revenue obligations (the “Note”) in one or more series, whether taxable or tax exempt, under *Minnesota Statutes*, Chapter 41A and Sections 469.152 through 469.165, as amended (collectively, the “Act”), to undertake and finance and refinance projects on behalf of People Incorporated, a Minnesota nonprofit corporation and organization described in Section 501(c)(3) of the Internal Revenue Code of 1986, as amended (the “Borrower”). The Note is proposed to be issued pursuant to the authority granted under Section 41A.05, subdivision 2 and Section 469.153, subdivision 2(d) of the Act.

The Note is being issued for the acquisition and renovation of a facility located at 2120 Park Avenue in Minneapolis, Minnesota, to be used for residential treatment programs and outpatient services and the refinancing of existing debt incurred to acquire four-bed, adult foster care facilities located at (i) 13601 – 137th Place West, Burnsville, Minnesota; (ii) 2361 Quail Creek Parkway NE, Blaine, Minnesota; (iii) 904 McAndrews Road, Burnsville, Minnesota; (iv) 11306 River Mills Drive West, Burnsville, Minnesota; and (v) 6620 – 132nd Street West, Apple Valley, Minnesota, for the purpose of serving adults with mental illness, all owned by the Borrower (collectively, the “Project”).

The Note is proposed to be issued in an amount not to exceed \$3,500,000. The Note will be a limited obligation of the Board. The Note and the interest thereon will be payable solely from the revenue pledged to the payment thereof and other security arrangements to be established by or on behalf of the Borrower. Notwithstanding the foregoing, no holder of any portion of the Note will ever have the right to compel any exercise of the taxing powers of the State of Minnesota or any political subdivision thereof to pay the Note or the interest thereon or to enforce payment against any property of said State or any political subdivision thereof.

A draft copy of the proposed Application to the Minnesota Department of Employment and Economic Development for approval of the Project, together with all attachments and exhibits thereto, and a copy of the Application to the Board for approval of the Project, together with all attachments and exhibits thereto, are available for public inspection at the offices of the Board at 1st National Banking Building, Suite E200, 332 Minnesota Street, in St. Paul, Minnesota, during normal business hours.

All persons interested may appear and be heard at the time and place set forth above or may mail written comments to the Executive Director at the address set forth above prior to the date of the hearing set forth above.

This Notice of Public Hearing is being given pursuant to Section 147(f) of the Internal Revenue Code of 1986, as amended and *Minnesota Statutes*, Section 469.154, subdivision 4.

**Minnesota Higher Education Facilities Authority (MHEFA)
Notice of Public Hearing on Revenue Obligations on Behalf of the College of St.
Scholastica, Inc.**

NOTICE IS HEREBY GIVEN that a public hearing will be held by the Minnesota Higher Education Facilities Authority (the “Authority”) with respect to the proposal to issue revenue bonds or other obligations on behalf of the College of St. Scholastica, Inc., a Minnesota nonprofit corporation (the “College”), as owner and operator of the College of St. Scholastica, an institution of higher education, at the Authority’s offices at 380 Jackson Street, Suite 450, St. Paul, Minnesota on Wednesday, September 15, 2010, at 2:00 p.m. Under the proposal, the Authority would issue its revenue bonds or other obligations in an aggregate original principal amount of up to

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\$25,000,000: (a) to finance the costs of the acquisition, construction, furnishing and equipping of an approximately 35,000 square foot on two floors expansion of and renovations to the Science Building (the “Project”); (b) to refund the Authority’s Revenue Refunding Bonds, Series Five-J (College of St. Scholastica, Inc.) (the “Series Five-J Bonds”); and (c) to refund the Authority’s Variable Rate Demand Revenue Bonds, Series Six-A (the “Series Six-A Bonds”).

The Series Five-J Bonds were originally issued to refund the Authority’s Revenue Bonds, Series Two-T (College of St. Scholastica, Inc.) (the “Series Two-T Bonds”), and to refund the Authority’s Revenue Bonds, Series Three-E (College of St. Scholastica, Inc.) (the “Series ThreeE Bonds”). The Series Two-T Bonds were originally issued to finance (i) the construction, furnishing and equipping of three apartment-style residence facilities housing approximately 138 students, (ii) the acquisition, construction and equipping of seven garage stalls to house grounds vehicles and workshop space, (iii) the acquisition, renovation and equipping of space in Tower Hall for office, classroom and study lounge use; (iv) the acquisition and installation of a campus telephone system, and (v) the acquisition and installation of computer software and hardware. The Series Three-E Bonds were originally issued to finance (i) the construction, furnishing and equipping of a new auditorium and student union, (ii) construction, furnishing and equipping an expansion of Tower Hall, and (iii) renovating and expanding the campus theater. The Series SixA Bonds were originally issued to finance the acquisition, construction, furnishing and equipping of student residence facilities consisting of two, three-story buildings collectively containing approximately 100,000 square feet with approximately 290 beds, including appurtenant site improvements. The above-referenced projects are owned and operated by the College and located on its main campus, the principal street address of which is 1200 Kenwood Avenue, Duluth, Minnesota.

At said time and place the Authority shall give all parties who appear or have submitted written comments an opportunity to express their views with respect to the proposal to undertake and finance the Project and the refundings of the Series Five-J Bonds and the Series Six-A Bonds.

Dated: August 30, 2010.

By Order of the
Minnesota Higher Education Facilities Authority
Marianne Remedios, Executive Director

Department of Labor and Industry (DLI) Plumbing Board FINAL INTERPRETATION on ASSE Standard 1017 Certified Valves

Inquiry: PB0054
Subject: ASSE Standard 1017 certified valves

Code Reference: Minnesota Plumbing Code, *Minnesota Rules* Part 4715.1380, subpart 5 (2009)
Address: Department of Labor and Industry
Plumbing Board
443 Lafayette Road North
Saint Paul, MN 55155-4344
E-mail: dli.cclboards@state.mn.us

Submitted by: Grant Brekke, Brekke Sales Company
5909 Baker Road, Suite 580, Minnetonka, MN 55345

Approved by: Code Interpretation Committee
by Jim Gander, Committee Chair

Date Received: May 14, 2010
Issue Date: August 18, 2010

Question: Do the valves that are tested to ASSE Standard 1017 meet the requirements of *Minnesota Rules* Part 4715.1380, subp. 5?

- Answer:** No, valves that are tested to ASSE Standard 1017 do not meet the intent of the “Master anti-scald type thermostatic blender,” which is required by *Minnesota Rules* Part 4715.1380, subp. 5.
- Commentary:** All parties were heard and had fair opportunity to present facts, thoughts, opinions, and challenges pertaining to the question of whether ASSE 1017 certified valves satisfy the intent and requirements of *Minnesota Rules* Part 4815.1380, subp. 5, as a master anti-scald type thermostatic blender. It is the opinion of the Committee that an amendment to 4715.1380, subp. 5, could help clarify the requirements it; however ASSE is currently considering changes that might resolve this inquiry.

As required by *Minnesota Statutes* § 326B.127, subd. 5, the Plumbing Board will consider this Final Interpretation for adoption as part of the Minnesota Plumbing Code.

Date: August 18, 2010

Jim Gander, Committee Chair
Code Interpretation Committee

Minnesota Pollution Control Agency (MPCA) Regional Division Public Notice of Availability of Draft Como Lake Nutrient TMDL Report and Request for Comment

Public Notice Period Begins:	August 30, 2010
Public Notice Period Ends:	September 29, 2010

The Minnesota Pollution Control Agency (MPCA) is requesting comments on the draft Report for the Como Lake Nutrient Total Maximum Daily Load (TMDL). The draft TMDL Report for Como Lake is available for review at:

<http://www.pca.state.mn.us/index.php/water/water-types-and-programs/minnesotas-impaired-waters-and-tmdls/tmdl-projects/draft/public-noticed-tmdls.html>.

Following the comments, the MPCA will revise the draft TMDL Report and submit it to the U.S. Environmental Protection Agency (EPA) for approval. Comments must be sent to the MPCA contact person listed below by 4:30 p.m. on September 29, 2010.

Required by the federal Clean Water Act, a TMDL is a scientific study that calculates the maximum amount of a pollutant that a waterbody can receive and still meet water quality standards for that pollutant. It is a process that identifies all the sources of the pollutant causing an impairment and allocates necessary reductions among them. This multi-year effort results in a pollution reduction plan and engages stakeholders and the general public. An approved TMDL is followed by implementation activities for achieving the necessary reductions.

The Como Lake watershed is located in the north-central portion of the Capitol Region Watershed District (CRWD) and is within the Upper Mississippi Watershed. This area lies entirely within the North Central Hardwood Forest (NCHF) ecoregion. Como Lake is located in the city of St. Paul and the watershed is located within three municipalities in Ramsey County.

Como Lake has a 1783-acre watershed and is defined as a shallow lake according to the MPCA. The majority of the watershed’s water contribution to Como Lake is delivered through an extensive piped stormwater system consisting of twenty-two stormsewers discharging directly into the lake. A large portion of the northern runoff, including the golf course, runs through a series of two constructed wetland detention ponds. Gottfried’s Pit collects the drainage from parts of Roseville, Falcon Heights, Ramsey County right-of-ways, and the city of St. Paul. Gottfried’s Pit is pumped to Como Lake. Como Lake discharges into the Trout Brook stormsewer and on to the Mississippi River. The state placed Como Lake on the 2002 impaired waters list for aquatic recreation because it exceeds the water quality standard for nutrients. Excess nutrients such as phosphorus from stormwater runoff create poor water quality conditions causing frequent summer algal blooms, which limit recreational activities. A 60 percent reduction in watershed load and a 97 percent reduction in internal load are required in the TMDL to consistently meet water quality standards under average precipitation conditions. In-lake phosphorus load management and the reduction of phosphorus from urban runoff in the watershed by retrofitting Best Management Practices (BMPs)

Official Notices

would have the most impact on reducing phosphorus loads and improving water quality in Como Lake.

Agency Contact Person: Written or oral comments, petitions, questions, or requests to receive a draft of the TMDL Reports, and requests for more information should be directed to:

Brooke Asleson
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, MN 55155-4194
Phone: 651-757-2205
E-mail: brooke.asleson@state.mn.us
TTY users may call the MPCA teletypewriter at 651-282-5332 or 1-800-657-3864.

Preliminary determination on the draft TMDL Report: The MPCA Commissioner has made a preliminary determination to submit this TMDL Report to the EPA for final approval. A draft TMDL Report and fact sheet are available for review at the MPCA office at the address listed above, and at the MPCA Web site: <http://www.pca.state.mn.us/index.php/water/water-types-and-programs/minnesota-s-impaired-waters-and-tmdls/tmdl-projects/upper-mississippi-river-basin-tmdl-projects/underway-tmdl-como-lake-excess-nutrients.html>. Suggested changes will be considered before the final TMDL Report is sent to the EPA for approval.

Written Comments: You may submit written comments on the conditions of the draft TMDL Report or on the Commissioner's preliminary determination. Written comments must include the following:

1. A statement of your interest in the draft TMDL Report;
2. A statement of the action you wish the MPCA to take, including specific references to sections of the draft TMDL that you believe should be changed; and
3. The reasons supporting your position, stated with sufficient specificity as to allow the Commissioner to investigate the merits of your position.

Petition for Public Informational Meeting: You also may request that the MPCA Commissioner hold a public informational meeting. A public informational meeting is an informal meeting that the MPCA may hold to solicit public comment and statements on matters before the MPCA, and to help clarify and resolve issues.

A petition requesting a public informational meeting must include the following information:

1. A statement identifying the matter of concern;
2. The information required under items 1 through 3 of "Written Comments," identified above;
3. A statement of the reasons the MPCA should hold a public informational meeting; and
4. The issues that you would like the MPCA to address at the public informational meeting.

Petition for Contested Case Hearing: You also may submit a petition for a contested case hearing. A contested case hearing is a formal evidentiary hearing before an administrative law judge. In accordance with *Minnesota Rules* 7000.1900, the MPCA will grant a petition to hold a contested case hearing if it finds that: (1) there is a material issue of fact in dispute concerning the application or draft TMDL Report; (2) the MPCA has the jurisdiction to make a determination on the disputed material issue of fact; and (3) there is a reasonable basis underlying the disputed material issue of fact or facts such that the holding of the contested case hearing would allow the introduction of information that would aid the MPCA in resolving the disputed facts in making a final decision on the draft TMDL Report. A material issue of fact means a fact question, as distinguished from a policy question, whose resolution could have a direct bearing on a final MPCA decision.

A petition for a contested case hearing must include the following information:

1. A statement of reasons or proposed findings supporting the MPCA decision to hold a contested case hearing according to the criteria in *Minnesota Rules* 7000.1900, as discussed above; and
2. A statement of the issues proposed to be addressed by a contested case hearing and the specific relief requested or resolution of the matter.

In addition and to the extent known, a petition for a contested case hearing should also include the following information:

1. A proposed list of prospective witnesses to be called, including experts, with a brief description of proposed testimony or summary of evidence to be presented at a contested case hearing;

2. A proposed list of publications, references, or studies to be introduced and relied upon at a contested case hearing; and
3. An estimate of time required for you to present the matter at a contested case hearing.

MPCA Decision: You may submit a petition to the Commissioner requesting that the MPCA Citizens' Board (Board) consider the TMDL Report approval. To be considered timely, the petition must be received by the MPCA by 4:30 p.m. on the date the public comment period ends, identified on page 1 of this notice. Under the provisions of *Minnesota Statutes* § 116.02, subd 6(4), the decision whether to submit the TMDL Report and, if so, under what terms will be presented to the Board for decision if:

1. The Commissioner grants the petition requesting the matter be presented to the Board;
2. One or more Board members request to hear the matter before the time the Commissioner makes a final decision on the TMDL Report; or
3. A timely request for a contested case hearing is pending. You may participate in the activities of the MPCA Board as provided in *Minnesota Rules* 7000.0650.

The written comments, requests, and petitions submitted on or before the last day of the public comment period will be considered in the final decision on this TMDL Report. If the MPCA does not receive written comments, requests, or petitions during the public comment period, MPCA staff, as authorized by the Board, will make the final decision on the draft TMDL Report.

Department of Public Safety (DPS)

Minnesota Bureau of Criminal Apprehension

Notice of Informational Meeting – October 13, 2010

The Minnesota Bureau of Criminal Apprehension will hold a meeting from 9 a.m. to 11:30 a.m. on Wednesday, October 13, 2010 to discuss progress on several BCA initiatives regarding criminal justice information sharing in the state of Minnesota. The budget and how it impacts vendors will be addressed, as will several projects including MCJE and License Plate Recognition. FBI Security information and a Core Priorities update will also be provided. The meeting will take place at the Bureau of Criminal Apprehension offices at 1430 Maryland Ave. E. in St. Paul. In addition, limited participation may take place via web conference. (To make arrangements to participate remotely, please contact Jill Oliveira at the information listed below.)

Vendors, particularly those working with local agencies to manage records, as well as agency information technology staff are encouraged to attend this meeting. Please RSVP. For more information, or to RSVP, contact Jill Oliveira, Public Information Officer, at (651) 793-2726 or **e-mail:** jill.oliveira@state.mn.us

Dated: August 2010

Department of Transportation (Mn/DOT)

Engineering Services Division,

Office of Construction and Innovative Contracting

Notices of Suspension and Debarment

NOTICE OF SUSPENSION

NOTICE IS HEREBY GIVEN that the Department of Transportation (Mn/DOT) has ordered that the following vendors be suspended effective December 28, 2009, until final disposition of the hearing or hearing appeal:

Riley Bros. Companies Inc. and its affiliates, Morris MN
Riley Bros. Construction Inc. and its affiliates, Morris MN
Riley Bros. Properties, LLC, and its affiliates, Morris MN
Riley Bros. Utilities, Inc. dba/Chris Riley Utilities, Inc. and its affiliates, Morris MN

Official Notices

NOTICE OF DEBARMENT

NOTICE IS HEREBY GIVEN that the Department of Transportation (Mn/DOT) has ordered that the following vendors be debarred for a period of three (3) years effective February 24, 2010 until February 24, 2013:

Joseph Edward Riley, Morris, MN

John Thomas Riley, Morris, MN

Minnesota Statutes, Section 161.315, prohibits the Commissioner, counties, towns or home rule or statutory cities from awarding or approving the award of a contract for goods or services to a person who is suspended or debarred; including

- 1) any contract under which a debarred or suspended person will serve as a subcontractor or material supplier,
- 2) any business or affiliate which the debarred or suspended person exercises substantial influence or control, and
- 3) any business or entity which is sold or transferred by a debarred person remains ineligible during the period of the seller's or transfer's debarment.

State Grants & Loans

In addition to requests by state agencies for technical/professional services (published in the State Contracts Section), the *State Register* also publishes notices about grants and loans available through any agency or branch of state government. Although some grant and loan programs specifically require printing in a statewide publication such as the *State Register*, there is no requirement for publication in the *State Register* itself. Agencies are encouraged to publish grant and loan notices, and to provide financial estimates as well as sufficient time for interested parties to respond.

Community Grants

The *State Register* is one of the best ways to advertise your grants - it's a required read for public works projects. And it's cost is one of the least expensive legal advertising rates in Minnesota. At \$13.60 per 1/10 of a page you cannot go wrong.

Check up on all the "active" state grants in the "Contracts & Grants" section, available only to *State Register* subscribers. Open the *State Register* and click on Bookmarks on the left. You will also see a list of ALL the current rules, a growing INDEX, and previous years' indices. Subscribers also receive LINKS to the *State Register*. Subscriptions cost \$180 a year (an \$80 savings). Here's what you receive via e-mail:

- **Word Search Capability**
- **Updates to Index to Vol. 31**
- **Early delivery, on Friday**
- **LINKS, LINKS, LINKS**
- **"Contracts & Grants" Open for Bid**
- **E-mailed to you . . . its so easy**
- **Easy Access to State Register Archives**
- **Indexes to Vols. 31, 30, 29, 28 and 27**

It's all E-mailed to you, at end-of-day on Friday, instead of waiting for the non-subscriber's issue released on Monday. Contact Loretta J. Diaz, our subscriptions manager, at (651) 297-8777, or **Fax:** (651) 297-8260, or **E-mail:** loretta.diaz@state.mn.us

Minnesota Department of Health (MDH)

Office of Rural Health and Primary Care,

Community Clinic Grant Program

Notice of Grant Opportunity to Improve Minnesota's Clinic-based Safety Net Providers

The Minnesota Department of Health (MDH) is seeking applications from eligible community clinics through the Community Clinic Grant Program. The purpose of these grants is to improve the ongoing viability of Minnesota's clinic-based safety net providers. Grants help clinics serve people with low incomes, reduce current or future uncompensated care burdens, or improve care delivery infrastructure.

The level of funding for the community clinic grant program is approximately \$561,000 for fiscal year 2011. An eligible community clinic means a nonprofit clinic, government entity, Indian tribal government or Indian health service unit; or a consortium of these entities. Applicants must provide or plan to provide clinical services and use a sliding fee scale or other procedure to determine eligibility for charity care or to ensure that no person will be denied services because of inability to pay. The Office of Rural Health and Primary Care expects that successful applicants will be able to begin their grant projects by April 2011.

Because of limited funding, applicants will be required to submit pre-applications and only the strongest of these will be invited to submit a final application. Prospective applicants who have questions and/or would like a copy of the application forms may contact Debra Jahnke at (651) 201-3845 or 1-800-366-5424 or debra.jahnke@health.state.mn.us. The pre-application and final application forms are also available on the Office of Rural Health and Primary Care Web site at <http://www.health.state.mn.us/divs/orhpc/funding/#community>

Pre-applications must be received by 4 p.m. on October 1, 2010. Final applications must be received by 4 p.m. on January 7, 2011. Applications postmarked prior to these due dates but not received prior to the time deadline will be considered late. Late applications will not be considered for review. Applications may be mailed or delivered to the following addresses:

Debra Jahnke
Office of Rural Health and Primary Care
Division of Community Health
Minnesota Department of Health
P.O. Box 64882
St. Paul, MN 55164-0882

Or via courier:

85 East 7th Place, Suite 220
St. Paul, MN 55101

State Contracts

Informal Solicitations: Informal solicitations for professional/technical (consultant) contracts valued at over \$5,000 through \$50,000, may either be published in the *State Register* or posted on the Department of Administration, Materials Management Division's (MMD) Web site. Interested vendors are encouraged to monitor the P/T Contract Section of the MMD Web site at www.mmd.admin.state.mn.us for informal solicitation announcements.

Formal Solicitations: Department of Administration procedures require that formal solicitations (announcements for contracts with an estimated value over \$50,000) for professional/technical contracts must be published in the *State Register*. Certain quasi-state agency and Minnesota State College and University institutions are exempt from these requirements.

Requirements: There are no statutes or rules requiring contracts to be advertised for any specific length of time, but the Materials Management Division strongly recommends meeting the following requirements:

\$0 - \$5000 does not need to be advertised. Contact the Materials Management Division: (651) 296-2600

\$5,000 - \$25,000 should be advertised in the *State Register* for a period of at least seven calendar days;

\$25,000 - \$50,000 should be advertised in the *State Register* for a period of at least 14 calendar days; and

anything above \$50,000 should be advertised in the *State Register* for a minimum of at least 21 calendar day.

Business Expansion Opportunities

The state spends about \$2 billion a year on contracts. The *State Register* is one of the best ways to advertise your contracts - it's a required read for public works projects. And its cost is one of the least expensive legal advertising rates in Minnesota. At \$13.60 per 1/10 of a page you cannot go wrong.

Subscribers receive a list of **all current contracts and grants**, as well as LINKS to the *State Register*, Bookmarks, and a growing INDEX to each volume, including the current issue, and previous volumes. To view, open the *State Register* and click on BOOKMARKS in the left hand corner. Here's what you receive via e-mail:

- **Word Search Capability**
- **LINKS, LINKS, LINKS**
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Department of Administration (Admin)

Notice of Availability of Request for Proposal (RFP) for Designer Selection for: Upgrade Perimeter Security System, Phase 2 – Minnesota Correctional Facility – Oak Park Heights

The State of Minnesota, Department of Administration, Real Estate and Construction Services ("State") is soliciting proposals from interested, qualified consultants for architectural and engineering design services for the above referenced project.

A full Request for Proposals is available on the Department of Administration, Real Estate and Construction Services website: www.admin.state.mn.us/recs, click on "Solicitation Announcements."

A mandatory informational meeting is tentatively scheduled for September 7, 2010 at 1:00 p.m. C.D.T. at the MCF-Oak Park Heights Lobby. Project questions will be taken by Ken Bronson at ken.bronson@state.mn.us.

The Department of Administration, Real Estate and Construction Services Division is not obligated to complete the proposed project and reserves the right to cancel the solicitation if it is considered to be in its best interest.

Minnesota State Colleges and Universities (MnSCU)**St. Cloud Technical and Community College****Request for Bids for 2010/11 19TH Avenue No. House Project Building Materials**

NOTICE IS HEREBY GIVEN that sealed bids will be received by the St. Cloud Technical and Community College, 1540 Northway Drive, St. Cloud, Minnesota, until 2:00 P.M. Central Daylight Time, Tuesday, September 14, 2010, for the purchase of **2010/11 - 19TH AVE NO. HOUSE PROJECT BUILDING MATERIALS** according to specifications on file in the Business Office, Room 1-401, St. Cloud Technical and Community College, 1540 Northway Drive, St. Cloud, Minnesota. St. Cloud Technical and Community College reserves the right to reject any or all bids, or portions thereof, or to waive any irregularities or informalities, in bid received.

Bids containing any alteration or erasure will be rejected unless initialed as required by law. Bids made in pencil will be rejected. Bids must be signed and dated.

It is understood that this is NOT a Purchase Order but a request for bid.

Specifications may be obtained from the St. Cloud Technical and Community College Business Office, Room 1-401, Susan Meyer, 1540 Northway Drive, St. Cloud, MN (320-308-5973).

The complete Request for Bid will be available on Monday, August 30, 2010 on the website <http://www.sctcc.edu/rfp>.

Minnesota State Colleges and Universities (MnSCU)**St. Cloud Technical and Community College****Call for Bids for 2010 House Project Building Materials Westwood Parkway, Lot 1, Block 13**

NOTICE IS HEREBY GIVEN that sealed bids will be received by the St. Cloud Technical and Community College, 1540 Northway Drive, St. Cloud, Minnesota, until 2:00 P.M. Central Daylight Time, Tuesday, September 14, 2010, for the purchase of **2010/11 HOUSE PROJECT BUILDING MATERIALS at Westwood Parkway, Lot 1, Block 13** according to specifications on file in the Business Office, Room 1-401, St. Cloud Technical and Community College, 1540 Northway Drive, St. Cloud, Minnesota. St. Cloud Technical and Community College reserves the right to reject any or all bids, or portions thereof, or to waive any irregularities or informalities, in bid received.

Bids containing any alteration or erasure will be rejected unless initialed as required by law. Bids made in pencil will be rejected. Bids must be signed and dated.

It is understood that this is NOT a Purchase Order but a request for bid.

Specifications may be obtained from the St. Cloud Technical and Community College Business Office, Room 1-401, Susan Meyer, 1540 Northway Drive, St. Cloud, MN (320-308-5973).

The complete Request for Bid will be available on Monday, August 30, 2010 on the website <http://www.sctcc.edu/rfp>.

State Contracts

Minnesota Historical Society (MHS)

Notice of Request for Proposals For Cultural Resource Survey and Planning Work

The Minnesota Historical Society is seeking proposals from qualified firms and individuals to provide professional services for three cultural resource survey and planning projects as follows:

1. Multiple projects involving survey of commercial districts in Chisholm and Springfield and National Register nominations for commercial historic districts in Owatonna and Pine Island.

Time Period: 10/1/10 - 7/31/11

2. Multiple property documentation form and National Register form for historic bank buildings in Minnesota.

Time Period: 10/1/10 - 7/31/11

3. Comprehensive Statewide Historic Preservation Plan Assistance to lay groundwork for revising Minnesota's 2005-2010 statewide plan.

Time Period: 10/1/10 - 7/31/11

A total of approximately \$50,000 is available in federal Historic Preservation Funds (HPF) to award in contracts for these three projects. Consultants may submit a proposal for one, two, or all three projects.

The three requests for proposals are available by contacting Mary Green-Toussaint, Purchasing Coordinator, Minnesota Historical Society, 345 Kellogg Blvd. W., St. Paul, MN 55102 via e-mail: mary.green-toussaint@mnhs.org. Please make sure to identify which number(s) you are requesting.

This program receives Federal funds from the National Park Service. Regulations of the U.S. Department of the Interior strictly prohibit unlawful discrimination in departmental Federally assisted Programs on the basis of race, color, national origin, age, or disability. Any person who believes he or she has been discriminated against in any program, activity, or facility operated by a recipient of Federal assistance should write to: Director, Equal Opportunity Program, U.S. Department of the Interior, National Park Service, P. O. Box 37127, Washington, D.C. 20013-7127.

Dated: 30 August 2010

Minnesota Historical Society (MHS)

Notice of Request for Proposals for Institutional Evaluation Building Capacity

The Minnesota Historical Society seeks proposals from highly qualified consultants to help the Society develop the necessary infrastructure for a comprehensive program evaluation capacity within the Society and manage evaluation components of specific, current projects.

It is expected that the selected consultant would build on work already accomplished through its recent strategic planning process. This effort highlighted the Society's need for a rigorous and enterprise-wide program evaluation and called for the Society to contract with a firm that would provide consulting, coaching, training, design, and implementation of evaluations, including planning, developing instruments, data collection, writing reports, and presenting findings.

The Request for Proposals is available from Mary Green-Toussaint, Purchasing Coordinator, Minnesota Historical Society, 345 Kellogg Blvd. W., St. Paul, MN 55102; e-mail: mary.green-toussaint@mnhs.org.

Dated: 30 August 2010

Minnesota Historical Society (MHS)

Notice of Request for Proposals for Relocating a Historic Structure to its Original Location within the Historic Forestville Historic Site in Preston, Minnesota

The Minnesota Historical Society is seeking bids from qualified firms to provide all labor, materials, equipment, and supplies to stabilize and relocate the Weigh House from its existing site to new location within the historic district and to construct new stone foundations for Weigh House.

There will be a **MANDATORY** pre-bid meeting for all interested parties at **1:00 p.m. Local Time on Thursday, September 9, 2010**. Bids must be received by **2:00 P.M. Local Time on Thursday, September 23, 2010**. Late bids will not be accepted.

The Request for Bids and other front-end documents are available by contacting Mary Green-Toussaint, Purchasing Coordinator, Minnesota Historical Society, via e-mail: mary.green-toussaint@mnhs.org.

Dated: 30 August 2010

Legislative Coordinating Commission (LCC)

Request for Proposals to Offer Harassment & Discrimination / Respect in the Workplace Training to the MN Legislature

The Minnesota Legislative Coordinating Commission is requesting proposals from qualified individuals and organizations interested in providing Harassment & Discrimination / Respect in the Workplace training to members and staff of the Minnesota State Legislature during the calendar years of 2011-2012. For a copy of the full text of the RFP, please go to <http://www.lcc.leg.mn/lcc/RFPs.htm> or contact:

Diane Henry-Wangenstein, Assistant Director
Minnesota Legislative Coordinating Commission
Room 72 State Office Building
100 Rev. Dr. Martin Luther King, Jr. Blvd.
St. Paul, MN 55155-1298
Phone: (651) 296-1121 (voice)
E-mail: diane.henry@lcc.leg.mn

All proposals must satisfy the criteria as outlined in the full text of the RFP. At a minimum, proposals must include a plan which details how the training will satisfy the Minnesota Legislature's objective to enhance the quality of the work environment and maintain a respectful, courteous workplace in which to work and serve the public. Proposals must clearly state the contractor's proposed hourly rates and other charges for services provided.

Proposals must be received by Thursday, September 30, 2010, at 4:00 p.m. Late applications may not be accepted. All expenses incurred in responding to this notice shall be borne by the responder.

Department of Natural Resources (DNR)

Notice of Availability of Contract for Tettegouche Visitor Center Interpretive Exhibits

The Minnesota Department of Natural Resources, Division of Parks & Trails is requesting proposals for the purpose of hiring a firm to design a comprehensive interpretive exhibit plan for the visitor center and surrounding site; and design, fabricate and install interpretive displays for the new Tettegouche Visitor Center at Tettegouche State Park.

State Contracts

Work is proposed to start after October 1, 2010.

A Request for Proposals will be available by mail from this office through September 13, 2010. **A written request (by direct mail, e-mail, or fax) is required to receive the Request for Proposal.** After September 13, 2010, the Request for Proposal must be picked up in person.

The Request for Proposal can be obtained from:

Sandy Bromenschenkel
MN Department of Natural Resources
Division of Parks and Trails
1201 East Highway 2
Grand Rapids, MN 55744
E-mail: *sandy.bromenschenkel@state.mn.us*
Phone: (218) 327-4150
Fax: (218) 327-4263

Proposals submitted in response to the Request for Proposals in this advertisement must be received at the address above no later than 3:30 p.m., CDT on Wednesday, September 22, 2010. **Late proposals will NOT be considered.** Faxed or emailed proposals will **NOT** be considered.

This request does not obligate the State to complete the work contemplated in this notice. The State reserves the right to cancel this solicitation. All expenses incurred in responding to this notice are solely the responsibility of the responder.

Department of Natural Resources (DNR)

Division of Fish & Wildlife

Request for Information in Researching the Siting of a New Shooting Range Complex in the Seven County Metropolitan Area

1. INTRODUCTION

The purpose of the Request for Information (RFI) is for the Department of Natural Resources to determine interest in, and obtain information from local units of government and other vendors that might be interested in researching the siting of a new shooting range complex on either public or privately owned lands in the seven county metropolitan area: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott and Washington Counties.

2. OBJECTIVE

The objective of the Department of Natural Resources is to work with a non-state agency or other vendor(s) to determine the potential or feasibility of one or more sites throughout the seven county metropolitan area to serve as the location of a new shooting sports complex, that will provide a home site for the Minnesota Trap Association's annual shooting competitions, as well as providing a variety of additional users the opportunity for safe shooting sports training, as well as personal and competitive shooting usage. Trap, skeet, center and rim-fire, and archery shooters would be provided safe, state of the art facilities. The 2007-8 Legislatures provided \$300,000 in funding for the planning, design and site placement of a shooting sports complex, within the seven county metro area of Minnesota. A preliminary plan and design for such a facility had been complete, using a small portion of the appropriation. Additional funding will be available for interested and eligible applicants to use, to investigate and determine the feasibility of placing the range complex, including an RV camping facility, tent camping, and a variety of support buildings (including a classroom, dining hall, lavatory facilities, storage buildings, etc.) on a minimum of 530 acres of land.

3. TECHNICAL CONSIDERATIONS

All local units of government within the metropolitan area are being contacted, to determine their interest and capability in providing land under their control, to serve as the host site for the shooting range complex. Non-governmental organizations are also encouraged to consider this request for information, and respond if interested. Funding will be provided to assist respondents showing interest and

capacity via an affirmative written response, to study and chronicle the feasibility of one or more selected sites. Again, total acres required are, at a minimum, 530 acres.

4. INFORMATION BEING REQUESTED

- Vendor Qualifications
 - Provide a general description of land under your control, and potential sites for a shooting range complex of 530 or more acres. Please provide maps of your potential site(s).
- Would your agency be interested in operating or maintaining all or part of this facility?
- Provide information regarding potential impediments to the placement of this complex on land under your control.

5. RFI RESPONSES:

Four (4) copies of the response should be submitted to the address shown below no later than **4:00 PM Central Time, Tuesday, September 7, 2010**. Questions may be addressed to Chuck Niska at (612) 756-4165 or by e-mail at chuck.niska@state.mn.us.

Chuck Niska, Shooting Range Coordinator
Minnesota Department of Natural Resources
Division of Enforcement
500 Lafayette Road
St. Paul, MN 55155-4047

Department of Transportation (Mn/DOT) Engineering Services Division Notice of Potential Availability of Contracting Opportunities for a Variety of General Organizational Related Activities

This document is available in alternative formats for persons with disabilities by calling Melissa McGinnis at (651) 366-4644; for persons who are hearing or speech impaired by calling the Minnesota Relay Service at 1-800-627-3529.

Mn/DOT, in conjunction with the Department of Administration, have developed a streamlined approach for fast-tracking select general organization service projects. These general organizational projects may include, but are not limited to, work in the following categories: 1) Develop, implement and summarize internal and external surveys; 2) Recommend best practices in an organizational structure; 3) Assist with organizational health structure; 4) Provide marketing support; 5) Develop, implement and provide support of ad hoc forums; 6) Establish and facilitate collaborative groups, including cross-organization and public-private teams; 7) Provide project management for non-technical initiatives; and 8) Facilitate non-technical activities and events.

This streamlined approach includes developing an email list of firms that are interested in receiving direct notification of general organizational projects. Firms will be added on an on-going basis. Fast-tracked projects will have a shorter advertising period and turn-around time. Firms will be asked to submit responses within 5 business days and will be required to work diligently with Mn/DOT toward establishing a contract upon selection. All projects will be advertised to the public. Your firm will be directly notified that there is a project posted on the Consultant Services Website (www.dot.state.mn.us/consult) that requires general organizational skills. Please note that this notice is not a solicitation or request for proposals of any kind. Being placed on the list does not guarantee work nor does it obligate Mn/DOT to provide any contracting opportunities under this program.

Interested firms should send the following information to the email address below: Firm name, firm contact person, phone number, and email address.

Contact:	Melissa McGinnis, Contract Administrator
E-mail:	melissa.mcginis@state.mn.us
Telephone:	(651) 366-4644

State Contracts

Department of Transportation (Mn/DOT)

Engineering Services Division

Notice of Potential Availability of Contracting Opportunities for a Variety of Highway Related Technical Activities (“Consultant Pre-Qualification Program”)

This document is available in alternative formats for persons with disabilities by calling Juanita Voigt at (651) 366-4774; for persons who are hearing or speech impaired by calling Minnesota Relay Service at (800) 627-3529.

Mn/DOT, worked in conjunction with the Consultant Reform Committee, the American Council of Engineering Companies of Minnesota (ACEC/MN), and the Department of Administration, to develop the Consultant Pre-Qualification Program as a new method of consultant selection. The ultimate goal of the Pre-Qualification Program is to streamline the process of contracting for highway related professional/technical services. Mn/DOT awards most of its consultant contracts for highway-related technical activities using this method, however, Mn/DOT also reserves the right to use Request for Proposal (RFP) or other selection processes for particular projects.

Nothing in this solicitation requires Mn/DOT to use the Consultant Pre-Qualification Program.

Mn/DOT is currently requesting applications from consultants. Refer to Mn/DOT’s Consultant Services web site, indicated below, to see which highway related professional/technical services are available for application. Applications are accepted on a continual basis. All expenses are incurred in responding to this notice will be borne by the responder. Response to this notice becomes public information under the Minnesota Government Data Practices.

Consultant Pre-Qualification Program information, application requirements and applications forms are available on Mn/DOT’s Consultant Services web site at: <http://www.dot.state.mn.us/consult>.

Send completed application material to:

Juanita Voigt
Consultant Services
Office of Technical Support
Minnesota Department of Transportation
395 John Ireland Blvd. Mail Stop 680
St. Paul, MN 55155

Department of Transportation (Mn/DOT)

Engineering Services Division

Notice Concerning Professional/Technical Contract Opportunities and Taxpayers’ Transportation Accountability Act Notices

NOTICE TO ALL: The Minnesota Department of Transportation (Mn/DOT) is now placing additional public notices for professional/technical contract opportunities on Mn/DOT’s Consultant Services **website** at: www.dot.state.mn.us/consult

New Public notices may be added to the website on a daily basis and be available for the time period as indicated within the public notice. Mn/DOT is also posting notices as required by the Taxpayers’ Transportation Accountability Act on the above referenced website.

Minnesota Zoo

Request for Proposals for the Design, Fabrication and Installation of Interpretive Materials for “Heart of the Zoo”

The Minnesota Zoo requests proposals for the design, fabrication, and installation of interpretive materials related to our current improvement project known as Heart of the Zoo (phase I). In particular, this RFP relates to a new indoor penguin exhibit and a children’s discovery area known as the Kids’ Den.

Details are included in the complete Request for Proposals which is available by e-mailing Angie Guggisberg, Minnesota Zoo Project Manager at: angie.guggisberg@state.mn.us . The deadline for submitting a proposal is 11:00AM., CST, September 20, 2010.

This Request for Proposals does not obligate the State of Minnesota or the Minnesota Zoo to complete the work contemplated in this notice and the State reserves the right to cancel this solicitation. All expenses incurred in response to this notice are solely the responsibility of the responder.

Minnesota Zoo

Request for Proposals for the Hardware and Software Design, Integration, Acquisition for Video Projection that Reacts to Visitors

The Minnesota Zoo requests proposals for the hardware and software design, integration, acquisition, for a custom video projection that reacts to visitors. The subject of this projection is African black-footed penguins underwater.

Details are included in the complete Request for Proposals which is available by e-mailing Angie Guggisberg, Minnesota Zoo Project Manager at angie.guggisberg@state.mn.us . The deadline for submitting a proposal is 11:00AM., CST, September 13, 2010.

This Request for Proposals does not obligate the State of Minnesota or the Minnesota Zoo to complete the work contemplated in this notice and the State reserves the right to cancel this solicitation. All expenses incurred in response to this notice are solely the responsibility of the responder.

Non-State Bids, Contracts & Grants

The *State Register* also serves as a central marketplace for contracts let out on bid by the public sector. The *State Register* meets state and federal guidelines for statewide circulation of public notices. Any tax-supported institution or government jurisdiction may advertise contracts and requests for proposals from the private sector. It is recommended that contracts and RFPs include the following: 1) name of contact person; 2) institution name, address, and telephone number; 3) brief description of commodity, project or tasks; 4) cost estimate; and 5) final submission date of completed contract proposal. Allow at least three weeks from publication date (four weeks from the date article is submitted for publication). Surveys show that subscribers are interested in hearing about contracts for estimates as low as \$1,000. Contact editor for further details.

Local Business Opportunities

The *State Register* offers one of the cheapest, yet far reaching methods, of notifying the public about your agency's bids, contracts and grants. It is available to any government, non-profit, or private agency. Space is charged at the current rate of \$13.60 per each 1/10th of a page used in the *State Register*. Agencies are only billed for the space used in the *State Register*.

Agencies wishing to take advantage of this offer should submit what you want printed in the *State Register* via e-mail to: robin.panlener@state.mn.us. Attach to your entry a short note indicating when you wish the notice to be published (one, or many dates), if you want a copy of the issue your notice appears in (a TEAR SHEET will be sent free with your bill), and whether you want an "Affidavit of Publication."

Dakota County

Dakota County Community Services

Notice of Request for Proposal (RFP) for Case Management Services

NOTICE IS HEREBY GIVEN that the Dakota County Dakota County Community Services is seeking to contract with one or more community agencies to provide case management services for disabled individuals who receive funding through one of the following home and community based Medical Assistance waiver programs: Community Alternatives for Disabled Individuals (CADI), Traumatic Brain Injury (TBI) or Developmental Disabilities (DD). Case managers will perform the following tasks:

- Initiates services by completing necessary paperwork, such as the Department of Human Services waiver forms, and other program required forms.
- Communicates with State Medical Review Teams, the County's Employment and Economic Assistance department, Community Services department, and various other departments and agencies.
- Provides ongoing service coordination by maintaining routine client contact, reassessments, service plan development and adjustments, and coordination of services with various service providers.
- Carries out adult and child protective services such as assisting with Vulnerable Adult Investigations, testifying in court and petitioning the court for conservatorships.
- Attends periodic meetings and training consistent with the job.
- Case management for these clients will require travel throughout the 11 County Metro area.

It is anticipated that a contract will be written for a two year period, with an option for a third year if service is satisfactory.

The complete RFP and supporting documentation is available at: <http://www.dakotacounty.us/Doing Business/Bids & Proposals>. To learn more about Dakota County visit our website at: www.dakotacounty.us

Questions regarding this RFP will be accepted by phone or email by until 12:00 noon on Friday, September 3, 2010. A Provider's Conference will be held on Tuesday, September 7 from 2:30-3:30, in rooms 110 B and C, at the Dakota County Northern Services Center, located at 1 Mendota Rd. W., West St. Paul, MN 55118.

The deadline for proposals is 3:00 CDT on Wednesday, September 15, 2010. Late or incomplete proposals may not be accepted.

Non-State Bids, Contracts & Grants

University of Minnesota (U of M) Subscribe to Bid Information Service (BIS)

The University of Minnesota offers 24-hour/day, 7-day/week access to all Request for Bids/Proposals through its web-based Bid Information Service (BIS). Subscriptions to BIS are free. Visit our website at bidinfo.umn.edu or call the BIS Coordinator at (612) 625-5534.

Request for Bids/Proposals are also available to the public each business day from 8:00 a.m. to 4:30 p.m. in the Purchasing Services lobby, Suite 560, 1300 S. 2nd Street, Minneapolis, Minnesota 55454.

Newly Updated Laws, Rules & Manuals:

[2009 Session Laws](#)
[Cosmetology Laws](#)
[Cosmetology Rules](#)
[Wetland Conservation Laws & Rules](#)
[2009 Base Value Guide—Final](#)
[Clean Indoor Air Laws & Rules](#)
[Criminal Code](#)
[Gambling Managers Handbook](#)
[Barber Laws & Rules](#)
[Gambling Laws Architects, Engineers &
Land Surveying Laws/Rules 2009](#)
[Nursing & Boarding Care Laws 2009](#)
[Fair Labor Standards Act 2009](#)
[Residential Contractor Laws & Rules 2009](#)
[High Pressure Piping Laws/Rules 2009](#)
[Boiler Inspection Laws/Rules 2009](#)

[Public Swimming Pool Rules 2009](#)
[Government Data Privacy Laws & Rules 2009](#)
[Liquor Laws & Rules 2009](#)
[Workers Compensation Laws 2009](#)
[Administrative Hearings Laws/Rules 2009](#)
[Pharmacy Laws 2009](#)
[Supervised Living Facility Laws & Rules 2009](#)
[Child Care Center Laws & Rules 2009](#)
[Developmental Disabilities Laws & Rules 2009](#)
[Day Care Facility Laws & Rules 2009](#)
[Home Care Licensure Laws & Rules 2009](#)
[Real Estate Laws 2009](#)
[Real Estate Appraiser Laws & Rules 2009](#)
[Hospice Licensure Laws & Rules 2007](#)
[Business Corporation/Non-Profit Laws 2009](#)
[Income & Excise Tax Laws 2009](#)

[Minnesota Plumbing Code 2009](#)
[Minnesota State Mechanical
& Fuel Gas Code 2009](#)
[Base Value Guide 2010](#)
[Minnesota Rules 11-Volume
Set 2009](#)
[Dentistry Laws & Rules 2009](#)
[Minnesota Construction
Code & Licensing Laws/
Rules 2009](#)
[Motor Vehicle Tax Manual
2009](#)
[Minnesota Income Tax
Package XM 2009](#)
[Securities Rules 2009](#)
[Securities Laws 2009](#)

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- ♦ **Phone** (credit cards): 8 a.m. - 5 p.m. Monday - Friday, 651.297.3000 (Twin Cities) or 1.800.657.3757 (nationwide toll-free)
- ♦ **On-line orders:** www.minnesotasbookstore.com
- ♦ **Minnesota Relay Service:** 8 a.m. - 5 p.m. Monday - Friday, 1.800.627.3529 (nationwide toll-free)
- ♦ **Fax** (credit cards): 651.215.5733 (fax line available 24 hours/day)
- ♦ **Mail orders:** Orders can be sent to Minnesota's Bookstore, 660 Olive Street, St. Paul, MN 55155

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Fax and phone orders: Credit card purchases **ONLY** (American Express/Discover/MasterCard/VISA). Please allow 1-2 weeks for delivery. **Mail orders:** Complete order blank and send to address above. Enclose check or include credit card information. Please allow 4-6 weeks for delivery. Please make checks payable to "Minnesota's Bookstore." A \$20.00 fee will be charged for returned checks.

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Shipping Charges

<i>If Product</i>	<i>Please</i>
Subtotal is:	Add:
Up to \$15.00	\$ 5.00
\$15.01-\$25.00	\$ 6.00
\$25.01-\$50.00	\$ 9.00
\$50.01-\$100.00	\$ 14.00
\$100.01-\$1,000	\$ 17.00*
*\$17 to an address in MN, WI, SD, ND, IA. If delivered to an address in other states, Canada or internationally, we will contact you if there are additional charges.	
More than \$1,000	Call

Product Subtotal _____

Shipping _____

Subtotal _____

Sales tax _____

(6.875% sales tax
if shipped to MN
address, 7.625% if
shipped to St. Paul
address. 7.125% MN
transit tax or other local
sales tax if applicable)

TOTAL _____

Credit card number: _____

Expiration date: _____ Signature: _____

If tax exempt, please provide ES number
or completed exemption form.
ES# _____