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1/8/2014

NOTICE OF ADDENDUM

ADDENDUM NO. 2
MEADOWRIDGE BRANCH LIBRARY & MEADOWOOD
NEIGHBORHOOD CENTER REMODELING
CONTRACT NO. 7202

Revise and amend the contract document(s) for the above project as stated in this addendum, otherwise, the original document shall remain in effect.

Page D-4: Neighborhood Workforce Clarifications - Answers to Questions from Bidders:

1. In regards to the Construction Craft Laborer Apprentices that are to be incorporated into the work, the documents state that we are to have the 2 apprentices account for 1,680 man hours. This in turn is then placed on the bid form for \$60,000. In terms of the contract, is the \$60,000 going to be under our contract and have to be bonded? *Answer: Yes, the \$60,000 allowance is under your contract and must be bonded.*

2. Who is employing these workers? Are these workers on our payroll? Who covers their insurance? *Answer: The General Contractor employs these workers, has them on their payroll and covers their insurance.*

3. If the contractor is to employ these workers and cover the insurance, what if the contractors union obligations cause the contractor to have to pay more than the rate given and has to pay more than the \$60,000? *Answer: The General Contractor shall pay the workers up to, but not-to-exceed, the \$60,000 allowance, adjusting the hours worked accordingly.*

4. If our estimate were to have 5,000 man hours in the base bid, would we deduct 1,680 man hours from hour base bid and say that the \$60,000 would cover the cost of the man hours needed to cover the 1,680 hours we deduct from our bid? *Answer: No, these hours for the Craft Laborers are in addition to your hours in the base bid, to be paid by the \$60,000 allowance. However, it is anticipated some bidders may find efficient use of the Local Craft Labor Apprentices such that it is reflected in their overall bid price.*

5. Does the contractor have the right to replace the worker? *Answer: Yes, but must replace them with another local apprentice. Also, please be aware that the use of these Local Craft Labor Apprentices does not count towards meeting the BVC requirements for the contract.*

6. Does the Contractor have to be or become a Wisconsin Active Trade Trainer?

Yes. However, if the Contractor is unable to meet this requirement, they could still satisfy the Trainer requirement thru one or more subcontractors if the respective subcontractors are a Wisconsin Active Trade Trainer with oversight of the Local Craft Labor Apprentices.

Traffic Control and Paving Restoration

The contractor shall be responsible for Traffic Control and Paving Restoration Raymond Road in accordance with the City of Madison Patching Criteria and City of Madison Standard Specifications, with permits and approvals as required.

Prevailing Wage

Remove 2013 Prevailing Wage Rates dated 1/1/2013 (pages 1-28) and Replace with 2014 Prevailing Wage Rates dated 1/1/2014 (pages 1-28).

Please acknowledge this addendum on page E1 of the contract documents and/or in Section E: Bidder's Acknowledgement on Bid Express.

Electronic version of these documents can be found on the City of Madison web site at:

<http://www.bidexpress.com>

If you are unable to download plan revisions associated with the addendum, please contact the Engineering office at 608-266-4751 receive the material by another route.

A handwritten signature in black ink, appearing to read "Robert Phillips", written in a cursive style.

Robert F. Phillips, P.E., City Engineer

ADDENDUM NO. 2

JANUARY 7, 2014

To City of Madison

From Engberg Anderson, Inc.
1 North Pinckney Street
Madison, WI 53703

Re Meadowridge Branch Library &
Meadowood Neighborhood Center
Madison, Wisconsin
Engberg Anderson Project No. 132273.00

The information contained in this Addendum modifies, explains, corrects, supplements or replaces information contained in the Construction Documents.

This Addendum consists of 8 pages and eight (8) attached documents as referenced under Attachments.

ANSWERS TO QUESTIONS FROM BIDDERS
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1. Question: At the new window and door openings that will be cut into the existing brick, how do we address the edge of the existing brick that is cut and may have existing voids or blemishes exposed ?

Answer: The edge of the brick on the 2" return as shown in detail 5/ A401 to have same finish as face. Replace brick as required to match face texture and paint to match existing.

2. Question: In reviewing the existing neighborhood center can you please tell me who is responsible to remove the existing demountable office partition off the walls and floors ?

Answer: The demountable partition will be removed by owner.

3. Question: Detail 2/ A903 - CT-3, Are all of the tiles to be cut to match pattern shown?

Answer: Yes

4. Question: A301 Restroom elevations. Looks as if CT-2 wall tile goes all the way to floor. Is there no base in the wall tile areas, or does base just not show on elevations?

Answer: There is no base on the tiled wet walls but there is ceramic tile base on the remaining walls. The stub walls do not have tile on the walls, just on the base.

5. Question: Is ST-1 micro topping poured in all areas? What is the thickness that will be poured for the Mapei Ultratop product ST-1?

Answer: The micro-topping is only required in areas that are to be stained/polished concrete ST-1. The thickness of the topping to be 3/8" thick to work with referenced transition strips.

6. Question: In section 093100 under 2.7 Miscellaneous Materials, B. Metal edge strips, the Schluter "Jolly" - For Corners bead and horizontal Top Trim. Is this intended for the top of the ceramic base located in the bathrooms?

Answer: Yes, the Schluter Jolly trim is to be located on all ceramic base tops.

7. Question: Addendum 1 calls for a pre-action dry system. This would indicate a pre-action system using heat detectors, a pre-action valve, and a releasing panel. This type of system would normally be used in a computer IT room or an area that requires a high level of protection from accidental discharges. A normal attic area or cold area would be protected by a regular dry pipe system. This type of system (dry pipe) does not use heat detectors or a releasing panel to operate the valve. There is a fairly significant cost upcharge for a pre-action system over a dry system due to the added detection, releasing panel, and electrical work required. Is the intention to provide a pre-action system for the cold combustible concealed space or just a regular dry pipe system?

Answer: The intent is to provide a regular dry pipe system. The changes to remove the "pre-action" from the previous addendum #1 are listed below. Refer to Addendum #1 issued 12-27-13.

ALLOWED SUBSTITUTIONS

1. Aluminum-Framed Entrances and Storefronts: specification section 084113

Manufacturer: Manko Window Systems

2. Polished Concrete Micro Topping: specification section 035300

Manufacturer: RetroPlate System for Polishing Concrete by Advanced Floor Products

CHANGES TO PROJECT MANUAL - BID PACKAGE 1

SECTION 035300 - POLISHED CONCRETE MICRO-TOPPING PART 2 - PRODUCTS

Page 035300-3, section 2.3 add abbreviation:

CONCRETE STAIN (ST-1)

SECTION 084113 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS PART 1 - GENERAL

Page 084113-2, section 1.4 Performance Requirements, **delete** item:

- F. **Windborne-Debris-Impact-Resistance Performance** - (not applicable)

SECTION 087100 - DOOR HARDWARE

PART 1 - GENERAL

Page 087100-1, section 1.2, item C Related Sections delete:

Item 4

Page 087100-1 **delete** Section:

1.3 ALTERNATES - (not applicable)

SECTION 096516 - RESILIENT SHEET FLOORING

PART 2 - PRODUCTS

Page 096516-2, section 2.2 add abbreviation:

VINYL SHEET FLOORING WITH CUSHION BACKING **(SV-1)**

SECTION 097723 - FABRIC WRAPPED WALL PANELS

PART 2 - PRODUCTS

Page 097723-2, section 2.1 revise title to read:

SOUND-ABSORBING WALL PANELS

SECTION 099123 - INTERIOR PAINTING

PART 2 - PRODUCTS

Page 099123-3, section 2.6 add abbreviation:

FLOOR COATINGS **(SC-1)**

SECTION 103100 - MANUFACTURED FIREPLACES

PART 2 - PRODUCTS

Page 103100-2, delete section:

2.2 POWER VENT SYSTEM - (not used)

Page 103100-2, section 2.3 Manufacturer Flue, item 2 replace line a. with:

a. Inner diameter : 8 inches, Outer diameter: 11 inches.

Page 103100-2, add section:

2.4 BURNER KIT

A. Town and Country burner kit.

1. The Lodgewood burner kit.

Page 103100-2, add section:

2.5 FIREPLACE SCREENS

- A. Town and Country metal fireplace screen.
 - 1. Clean view rigid screen with mounting hardware.

SECTION 210500 – COMMON WORK RESULTS FOR FIRE SUPPRESSION PART 1 – GENERAL

- 1. Page 210500-5, section 1.7 Design Criteria, item B2; delete and replace with following:
 - 2. Dry pipe sprinkler systems.

SECTION 211000 – WATER BASED FIRE-SUPPRESSION SYSTEMS PART 1 – GENERAL

- 1. Page 211000-1, section 1.1 Section Includes; delete item 13. Preaction Control.
- 2. Page 211000-2, section 1.3 Submittals; delete item 14. Preaction Control.

PART 2 - PRODUCTS

- 1. Page 211000-4, section 2.1 Fire Protection Piping, item 6; after the words “shall be used” delete the words “in day sprinkler systems, preaction systems” and insert the following: in dry sprinkler systems.
- 2. Page 211000-7; revise section 2.12 to read as following:

2.12 SPECIALTY VALVES

- A. Manufacturer: Reliable, Tyco, Victaulic, Viking
- B. Dry Pipe Valves
 - 1. Cast or ductile iron body, flanged or grooved ends, 175 psig, bronze grooved seat with o-ring seal, single hitch pin and latch design. Provide trim for air supply, drain, priming level, alarm connections, pressure gages, priming chamber attachment, ball drip valves, drip cup assembly piped to floor or hub rain, fill line attachment with strainer.
- C. Air Pressure Maintenance Device
 - 1. Automatic control capable of maintaining system air pressure, rated for 175 psig, adjustable air pressure range of 15 to 60 psig, complete with isolation valves, bypass fill valve, pressure regulator or pressure switch and strainer.
- D. Dry Pipe System
 - 1. Dry pipe system valve and all trim shall be a package system installed within a cabinet with locking doors, dry valve and air maintenance compressor.

3. Page 211000-7; delete the following:

2.13 PREACTION CONTROL

- A. Single area type in NEMA 1 enclosure with detector, alarm, power supply, battery charge, standby battery, electrically supervised solenoid valves, polarized fire alarm, lamp test, wiring terminal strip, auxiliary alarm contacts.

PART 3 - EXECUTION

1. Page 211000-10, section 3.6 Installation of Fire Suppression System Components; in item I after the word "emergency pull boxes" delete the following: and deluge-preaction controls.

SECTION 223000 - PLUMBING EQUIPMENT
PART 2 - PRODUCTS

1. Page 223000-4, under item 2.4 In-Line Centrifugal Pumps (CP-1); delete item H.
2. Page 223000-4, under item 2.5 Expansion Tanks, in item B; delete the word "replaceable".
3. Page 223000-4, under item 2.5 Expansion Tanks; change line C to read as follows:

- C. Equal to Amtrol model ST-12-6 with 6.0 gallon of total volume.

SECTION 236213 - PACKAGED AIR-COOLED REFRIGERANT COMPRESSOR AND CONDENSING UNITS
PART 2 - PRODUCTS

1. Page 236213-3; section 2.1 UNITS UP TO 5 TONS, add manufactures: Data-Aire.

SECTION 283100 FIRE DETECTION AND ALARM
PART 2 -PRODUCTS

1. Page 283100; section 2.11 Printers and Terminals, A: Delete requirement for a terminal.
2. Page 283100; section 2.11 Printers and Terminals: Add the following:
 - A. A printer shall be provided adjacent to the fire alarm control panel as shown on the plans.
 - B. PRINTER
 1. A desktop 80-column, impact dot matrix printer shall provide a hard copy record of system events.
 2. The printer shall receive English language text from the control panel in industry standard ASCII format via an EIA RS-232-C connection.
 3. All printed information shall include time, date, status, point number, label, and the device type identifier.
 4. The printer shall have the following features:
 - a. 120 VAC input power
 - b. 180 characters per second printing speed
 - c. 3 kilobytes buffer capacity
 - d. Cartridge type ribbon
 - e. Friction feed for cut forms

- f. Tractor feed for continuous 9 1/2" wide pin-to-pin fanfold paper
- g. UL 864 listed (UOXX)
- 5. Contractor shall supply one box of 2,300 (minimum) continuous-feed Sheets, 9 1/2" x 11", 20 Lb., Clean Edge, White Bond computer paper suitable for use the supplied printer."

CHANGES TO DRAWINGS

SHEET A301

RESTROOM PLANS & ELEVATIONS

Add to "Notes - Toilet Rooms":

- 3. All CT-4 base to receive continuous metal edge strip at top of tile.

SHEET A401

EXTERIOR ELEVATIONS & DETAILS

Detail 3/A401 Ceiling insulation detail revise note to read:

" Blown in cellulose insulation over **existing** batt insulation and trusses, thickness of blown in cellulose insulation to equal an insulation level of **R-38.**"

Detail 5/A401 Exterior Window Jamb Detail add note for the end brick at the new opening:

" **Replace brick as required that have been cut for new openings, to remove voids and match texture of the exterior face.**"

SHEET A602

WALL TYPES & FRAME DETAILS

Details 1/A602, 2/A602, 3/A602 & 6/A602 wall types to extend to bottom of existing trusses. Replace word "STRUCTURE" WITH: **"B.O. OF EXISTING STRUCTURE"**

SHEET A702

ROOM FINISH PLANS

In "Finish Schedule" change Floor Finish designation for room 110 Study Room to be : **"ST-1"**

In "Finish Schedule" change Floor Finish designation for room 202 Gaming to be : **"CPT-2"**

In "Finish Schedule" delete room **#215 Storage** line.

Add to "General Notes" and refer to related sections:

- 7. **Material designation:**
 - SV-1 - Vinyl Sheet Flooring
 - ST-1 - Polished Concrete Micro Topping with Stain
 - SC-1 - Sealed Concrete

SHEET A905

DETAILS

Detail 5/A905 Concierge Desk Signage add note:

"Finished wood veneer panel and mounting brackets by General Contractor"

SHEET F100
FIRST FLOOR FIRE PROTECTION NEW WORK PLAN

Delete the word "preaction" in the keyed fire protection notes 1,3 and 4.

SHEET E100
FIRST FLOOR LIGHTING NEW WORK PLAN

Added key note #8 and assigned a model number to the daylight sensors in Living room 211 and Community room 300.

SHEET E110
FIRST FLOOR NEW POWER NEW WORK PLAN

Delete panel MDP from mech. 108.

SHEET E300
ELECTRICAL DETAILS

Revised electrical device location in room to provide more storage space. Added mounting height to rough-in for HVAC VAV diffuser power control modules.

SHEET E301
ELECTRICAL DETAILS

Add TVSS to the one-line diagrams

SHEET E400
ELECTRICAL SCHEDULES

Revise mounting type for L4 and L5 to be RECESSED in lieu of surface. Clarified the model number for the type P3 and type P5 fixture to have a 30" suspension. Revise type X1 and X2 to have a stencil face plate in lieu of a panel. Added fixture type A1 and R2W to the fixture schedule.

SHEET E401
ELECTRICAL SCHEDULES

Add (1) 30A, 1pole breaker to panels LA, NB, and CB. TVSS breaker shall be located in the first space in panel LA, NA, and CA, revising the circuitry was not included in the addendum for clarity.

SHEET E402
ELECTRICAL SCHEDULES

Clarified disconnect and starter schedule so it is legible.

SHEET M100
FIRST FLOOR DUCTWORK NEW WORK PLAN

- Revised Return grille type from #2 to #3 in rooms #107, 108, 203, 206, & 305.
- Added hard duct connection to return grille in Mech. 108.

ATTACHMENTS

E100
E110
E300
E301
E400
E401
E402
M100

Issued by:

Mike Zuehlke, AIA

Distribution list:

Jeanine Zwart – City of Madison
Joe Huberty – Engberg Anderson
Dan Green - Henneman Engineering Inc.

File

Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER 132273.00

SEAL

ISSUED FOR:
BIDDING 10-28-13

REVISION FOR:
NO. DESCRIPTION DATE
ADDENDUM - 2 01-07-14

DRAWN BY AJG

CHECKED BY DJG

FIRST FLOOR
LIGHTING NEW
WORK PLAN

E100

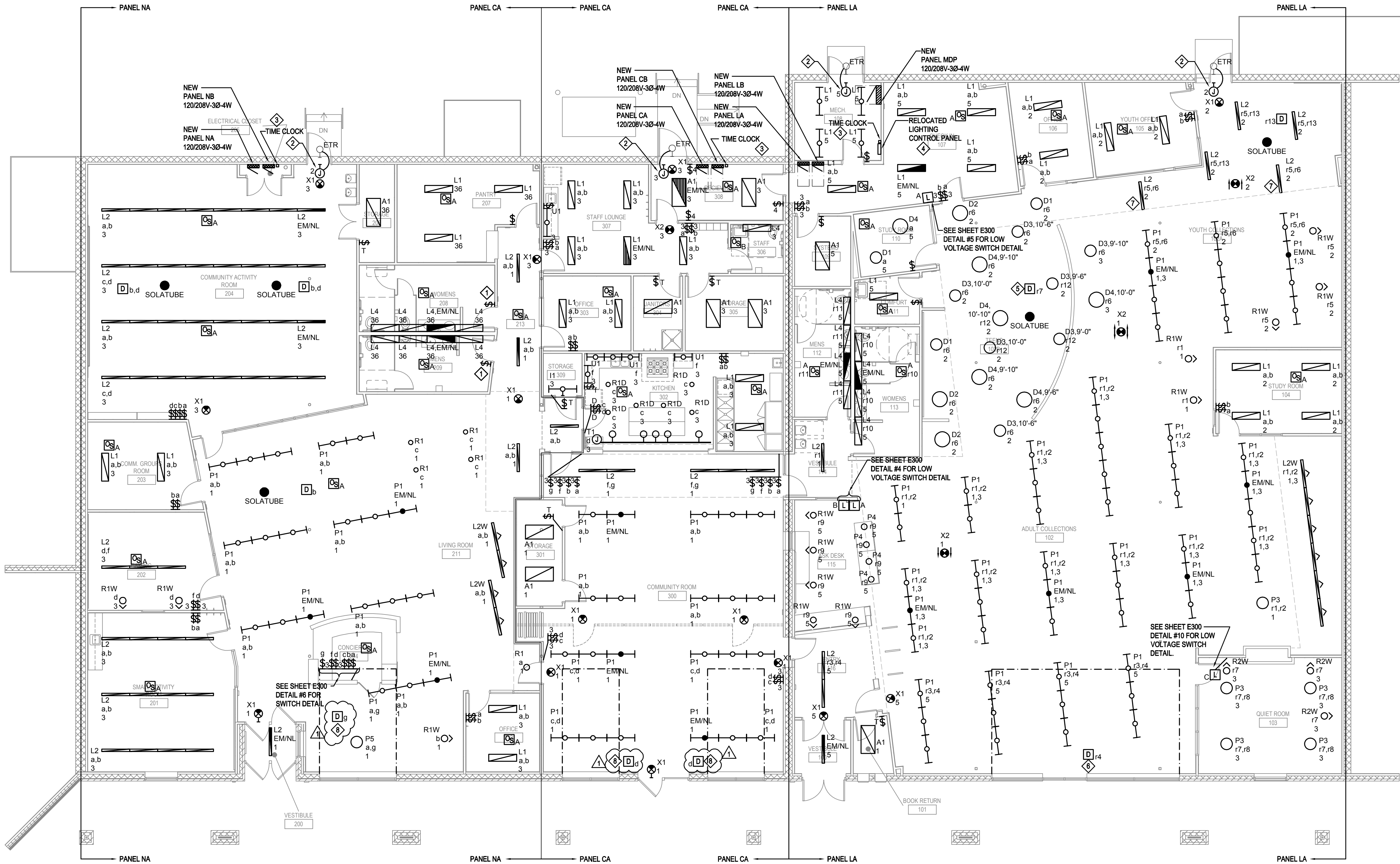
- KEYED NEW WORK NOTES (SHEET E100):
- ON/OFF DAYLIGHT SENSOR REFER TO DETAIL #8 ON SHEET E300 FOR WIRING DIAGRAM.
 - FIXTURE ROUTED VERTICALLY, RECESSED IN THE FACE OF THE SOFFIT. SEE DETAIL #10 ON SHEET E301.
 - PROVIDE SENSOR SWITCH PHOTOCELL MODEL RMR-PC OR A/E APPROVED EQUAL.

- KEYED NEW WORK NOTES (SHEET E100):
- PROVIDE LOCKABLE SWITCH COVER.
 - RELOCATED WALL MOUNTED BATTERY BACK-UP FOR EXTERIOR FIXTURE MOUNTED 11'-0" AFF.
 - NEW TIME-CLOCK INTERCEPT AND EXTEND BRANCH CIRCUITRY SERVING EXISTING LIGHTING CANOPY STORE FRONT LIGHTING. REWORK EXISTING PHOTOCELL CONNECTION THE NEW TIME CLOCK.
 - RELOCATED LIGHTING RELAY PANEL: MANUFACTURER: DOUGLAS LIGHTING CONTROL WITH 14 RELAYS (MODEL: WR1611-82). TIME/PHOTO CONTROLLER IS A WTP-4408. THE ELECTRICAL CONTRACTOR SHALL HAVE ALL RE-PROGRAMMING OF THE LIGHT CONTROL PANEL COMPLETED BY A PERSON CERTIFIED BY THE FACTORY TO PROGRAM THIS TYPE OF SYSTEM.
 - CLOSED LOOP DAYLIGHT SENSOR REFER TO DETAIL #7 ON SHEET E300 FOR WIRING DIAGRAM.

- GENERAL NOTES (SHEET E100):
- PANEL DIVISION LINES INDICATE THE PANEL WHERE BRANCH CIRCUITRY SHALL ORIGINATE.

LINE WEIGHT KEY

- ALL ITEMS INDICATED BY A LIGHT SOLID LINE ARE EXISTING TO REMAIN
- ALL ITEMS INDICATED BY A DARK DASHED LINE ARE TO BE DEMOLISHED, REWORKED OR RELOCATED.



1 FIRST FLOOR LIGHTING NEW WORK PLAN
SCALE: 1/8" = 1'-0"
12' 0' 1' 5' 10' 20'



Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

Owner:
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CHECKED BY DJG

FIRST FLOOR
POWER NEW WORK
PLAN

E110

KEYED NEW WORK NOTES (SHEET E110):

- 16 PROVIDE LOCKABLE COVER
- 17 FIBER OPTIC DEMARC LOCATION
- 18 (3) MONITOR MODULES TO INTERFACE BETWEEN THE FIRE SUPPRESSION SYSTEM AND FIRE ALARM SYSTEM.
- 19 SECURITY GATE CONNECTIONS: MOUNT POWER CONNECTION 6" AFF AND PROVIDE FLOOR MOUNTED SURFACE RACEWAY (LEGRAND OFRB-8 OR AVE APPROVED EQUAL) FROM SECURITY GATE POWER POWER CONNECTION TO THE SECURITY GATE.
- 20 SEE DETAIL #2 ON SHEET E301 FOR ONE-LINE DIAGRAM AND ADDITIONAL INFORMATION.
- 21 SEE DETAIL #3 ON SHEET E301 FOR ONE-LINE DIAGRAM AND ADDITIONAL INFORMATION.
- 22 SEE DETAIL #4 ON SHEET E301 FOR ONE-LINE DIAGRAM AND ADDITIONAL INFORMATION.

KEYED NEW WORK NOTES (SHEET E110):

- 1 FIRE SUPPRESSION SYSTEM: COORDINATE EXACT MOUNTING LOCATION WITH FOOD SERVICE CONTRACTOR. PROVIDE CONDUCTORS FROM FROM SHUNT TRIP BREAKER TO CONTROL COIL TO FIRE SUPPRESSION CONTROL RELAY. PROVIDE ADDITIONAL 4" OCTAGONAL JUNCTION BOX MOUNTED 54" AFF WITH A 3/4" C STUBBED UP TO ACCESSIBLE CEILING FOR PULL STATION.
- 1 3/4" FOR 120V BRANCH CIRCUITRY ROUTED FROM FLOOR MOUNTED RECEPTACLE AND TRANSITION TO 3/4" PVC CONDUIT ROUTED IN SLAB AND STUBBED UP WALL. ONCE IN THE WALL TRANSITION TO 3/4" EMT.
- 1 GARBAGE DISPOSER: PROVIDE CONNECTION FROM DISPOSER, TO SOLENOID, AND TO SWITCH. MOUNT SOLENOID ABOVE THE SINK AND THE SWITCH SHALL BE MOUNTED BELOW THE SINK NEAR THE MOTOR. COORDINATE EXACT LOCATION WITH FOOD SERVICE CONTRACTOR. MOUNT ROUGH-IN BACKBOX 16" AFF FOR MOTOR CONNECTION.
- 1 UNDER COUNTER DISHWASHER CONNECTION. MOUNT ROUGH-IN BACKBOX 16" AFF. COORDINATE EXACT ROUGH-IN LOCATION WITH FOOD SERVICE CONTRACTOR.
- 1 3/4" FOR POWER ROUTED FROM ABOVE CEILING AND 1 1/2" ROUTED FROM ABOVE CEILING TO SERVE RECEPTACLES AND DATA IN MILLWORK. REFER TO DETAIL 3/E301 FOR RACEWAY, CONDUIT TERMINATIONS AND RACEWAY CONCEALMENT PLATE.

KEYED NEW WORK NOTES (SHEET E110):

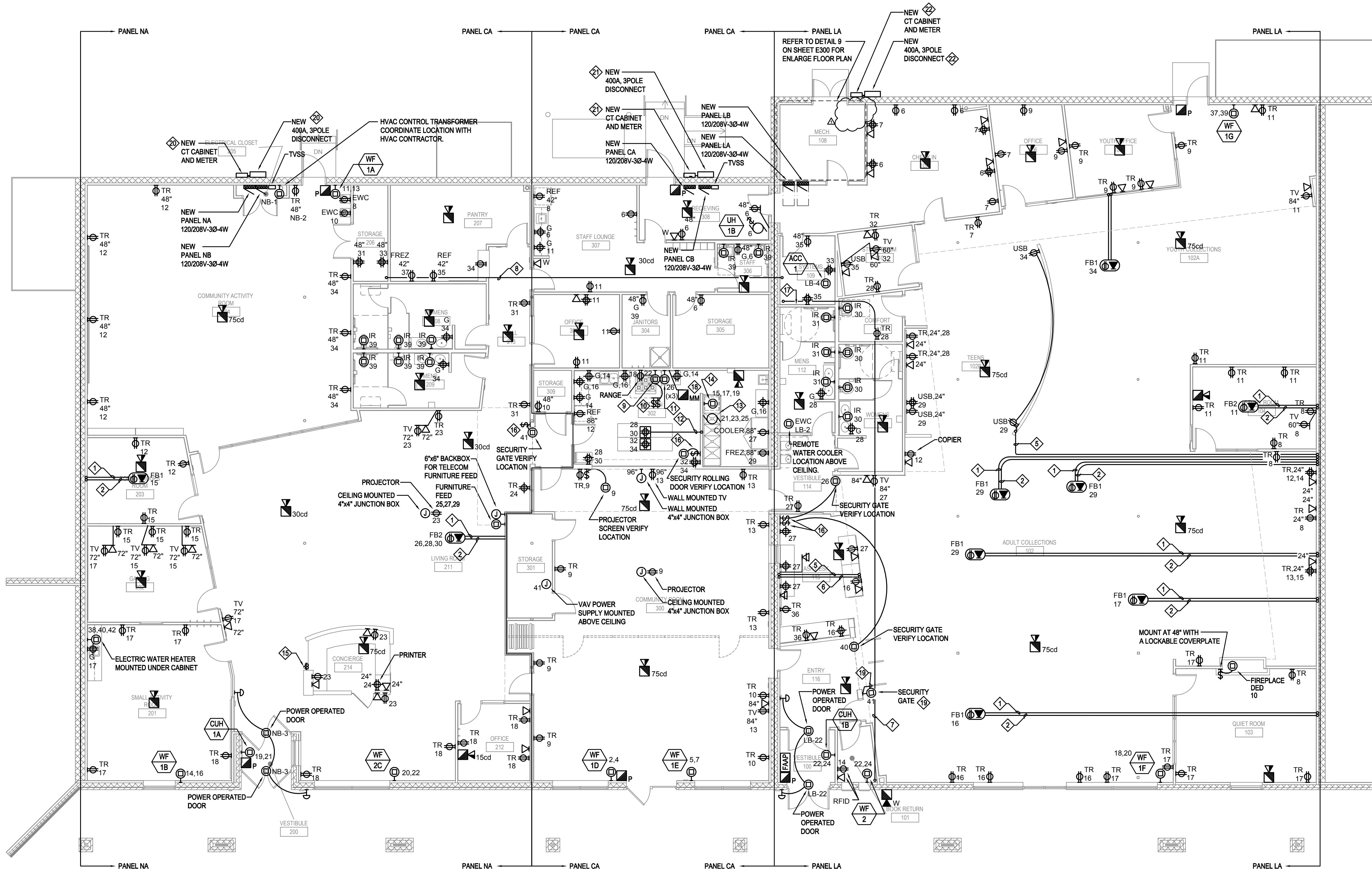
- 1 2" PVC CONDUIT FOR TELECOM. CABLING ROUTED IN SLAB TO THE NEXT FLOOR BOX.
- 1 3/4" FOR 120V BRANCH CIRCUITRY ROUTED FROM PART HEIGHT WALL OR CASEWORK AND TRANSITION TO 3/4" PVC CONDUIT ROUTED IN SLAB AND STUBBED UP WALL. ONCE IN THE WALL TRANSITION TO 3/4" EMT.
- 1 2" FOR TELECOM. CABLING ROUTED FROM PART HEIGHT WALL OR CASEWORK AND TRANSITION TO 2" PVC CONDUIT ROUTED IN SLAB AND STUBBED UP WALL. ONCE IN THE WALL TRANSITION TO 2" EMT AND STUB UP TO ACCESSIBLE CEILING.
- 1 1" C ROUTED UP TO ACCESSIBLE CEILING AND STUBBED DOWN INTO THE SYSTEMS ROOM 109. FOR OWNER PROVIDED TELECOMMUNICATIONS CABLING.
- 1 1" C ROUTED FROM SYSTEMS ROOM 109 TO STORAGE ROOM 206. CONDUIT SHALL BE ROUTED TIGHT TO THE BOTTOM OF THE ROOF TRUSS.
- 1 EXHAUST HOOD LIGHTING CONNECTION: COORDINATE ROUGH-IN LOCATION WITH FOOD SERVICE CONTRACTOR. LIGHT SWITCH SHALL BE MOUNTED ON THE FRONT FACE OF THE HOOD.
- 1 EXHAUST HOOD FAN CONTROL. ROUTE LINE VOLTAGE CONDUCTORS OUTSIDE OF EXHAUST HOOD AND DUCT WORK.

GENERAL NOTES (SHEET E110):

- 1. ALL CONDUIT AND WIRE SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS.
- 2. COORDINATE ALL FLOOR BOX LOCATIONS WITH ARCHITECTURAL/ FURNITURE PLANS.
- 3. ALL FLOOR CUTTING AND PATCHING SHALL BE PERFORMED BY THE ELECTRICAL CONTRACTOR.
- 4. ALL FIRE ALARM STROBES SHALL BE 15cd UNLESS OTHERWISE NOTED.
- 5. VERIFY MOUNTING HEIGHTS FOR WALL MOUNTED TVS, SEE A SERIES DRAWINGS FOR EXACT LOCATION.

KEYED NEW WORK NOTES (SHEET E110):

- 1 3/4" PVC CONDUIT FOR 120V BRANCH CIRCUITRY ROUTED IN SLAB FROM FLOOR BOX AND STUBBED UP WALL. ONCE IN THE WALL TRANSITION TO 3/4" EMT.
- 1 2" PVC CONDUIT FOR TELECOM. CABLING ROUTED IN SLAB FROM FLOOR BOX AND STUBBED UP WALL. ONCE IN THE WALL TRANSITION TO 2" EMT AND STUB UP TO ACCESSIBLE CEILING.
- 1 3/4" PVC CONDUIT FOR 120V BRANCH CIRCUITRY ROUTED IN SLAB TO THE NEXT FLOOR BOX.



1 FIRST FLOOR POWER NEW WORK PLAN

SCALE: 1/8" = 1'-0"



Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

Owner:
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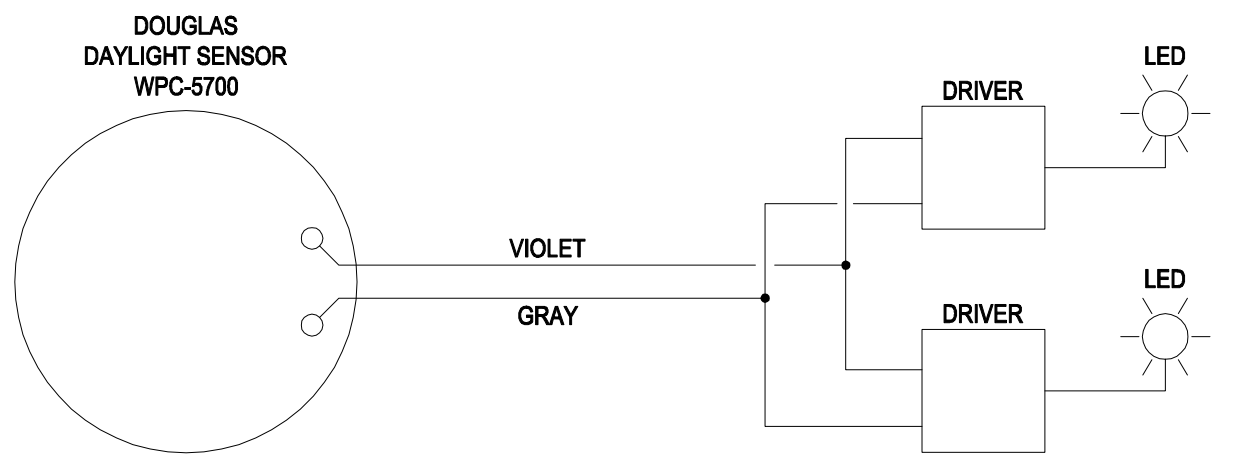
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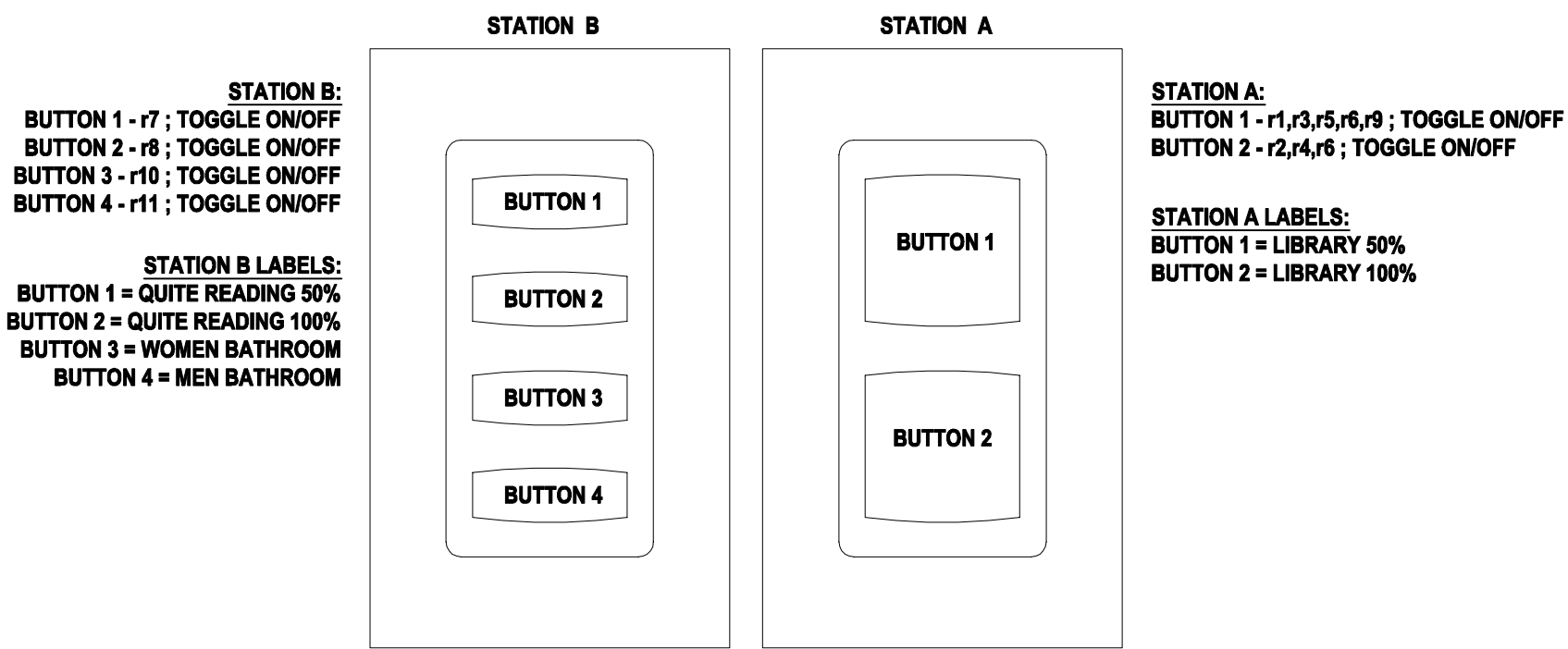
ELECTRICAL
DETAILS

E300

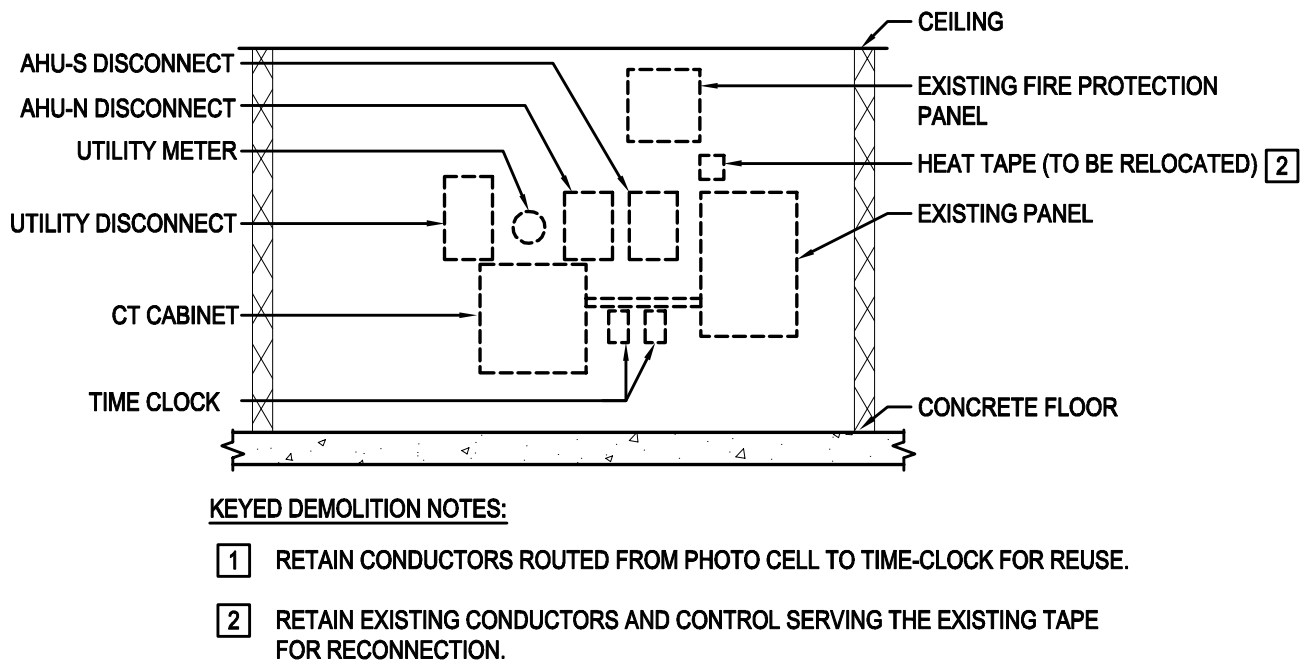


NOTE:
REFER TO MANUFACTURE INSTALLATION INSTRUCTIONS FOR DETAILED PROGRMAING AND WIRING INFORMATION.

7 **CLOSED LOOP DAYLIGHT SENSOR**
SCALE: NO SCALE

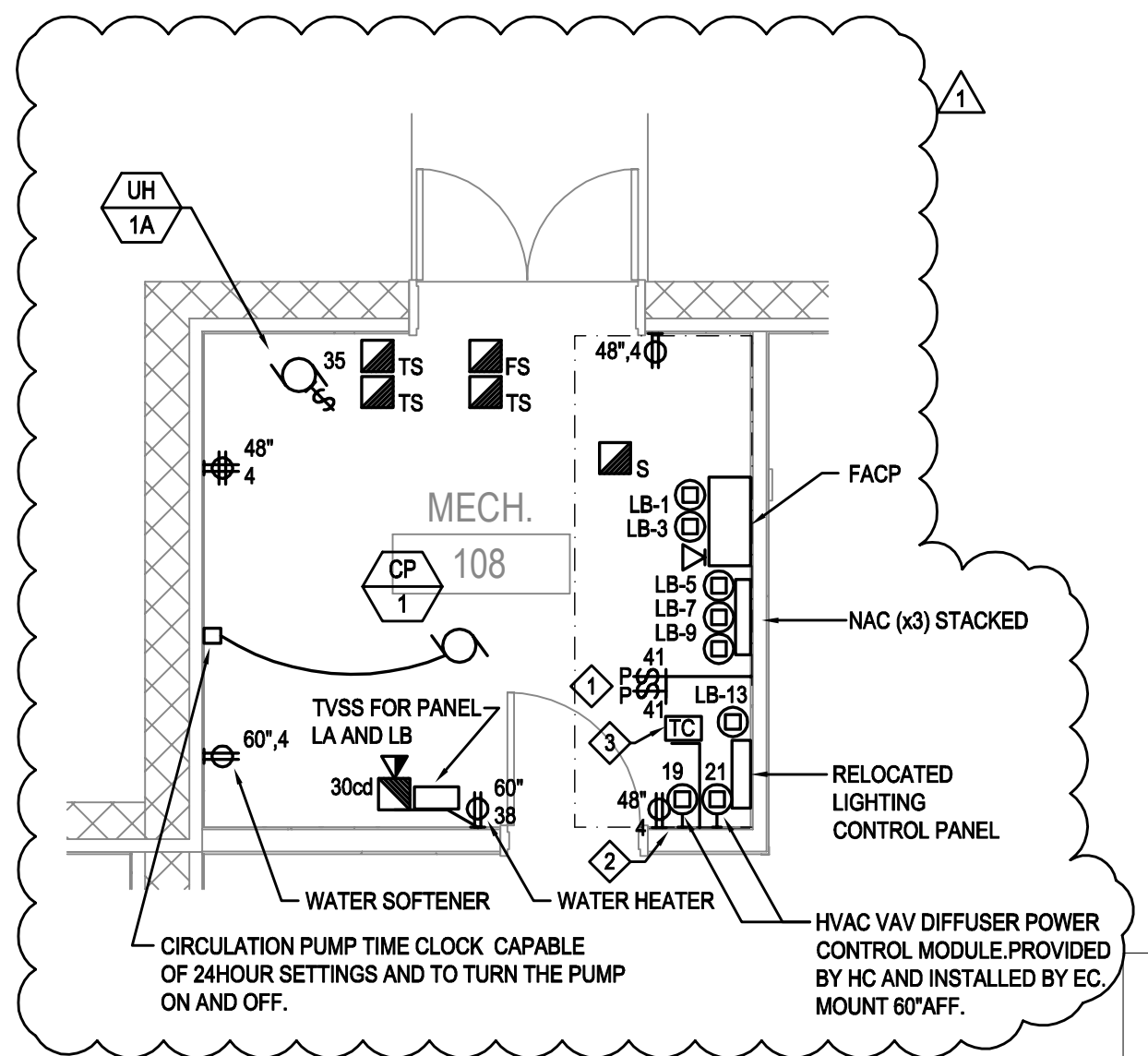


4 **LOW VOLTAGE CONTROL STATION DETAIL**
SCALE: NO SCALE



KEYED DEMOLITION NOTES:
1 RETAIN CONDUCTORS ROUTED FROM PHOTO CELL TO TIME-CLOCK FOR REUSE.
2 RETAIN EXISTING CONDUCTORS AND CONTROL SERVING THE EXISTING TAPE FOR RECONNECTION.

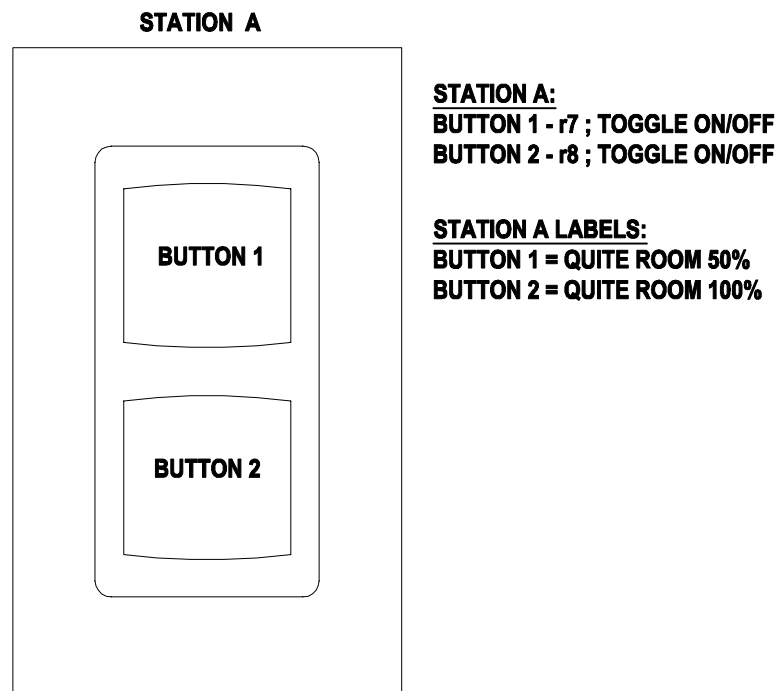
1 **EXISTING ELECTRICAL ROOM ELEVATION**
NO SCALE



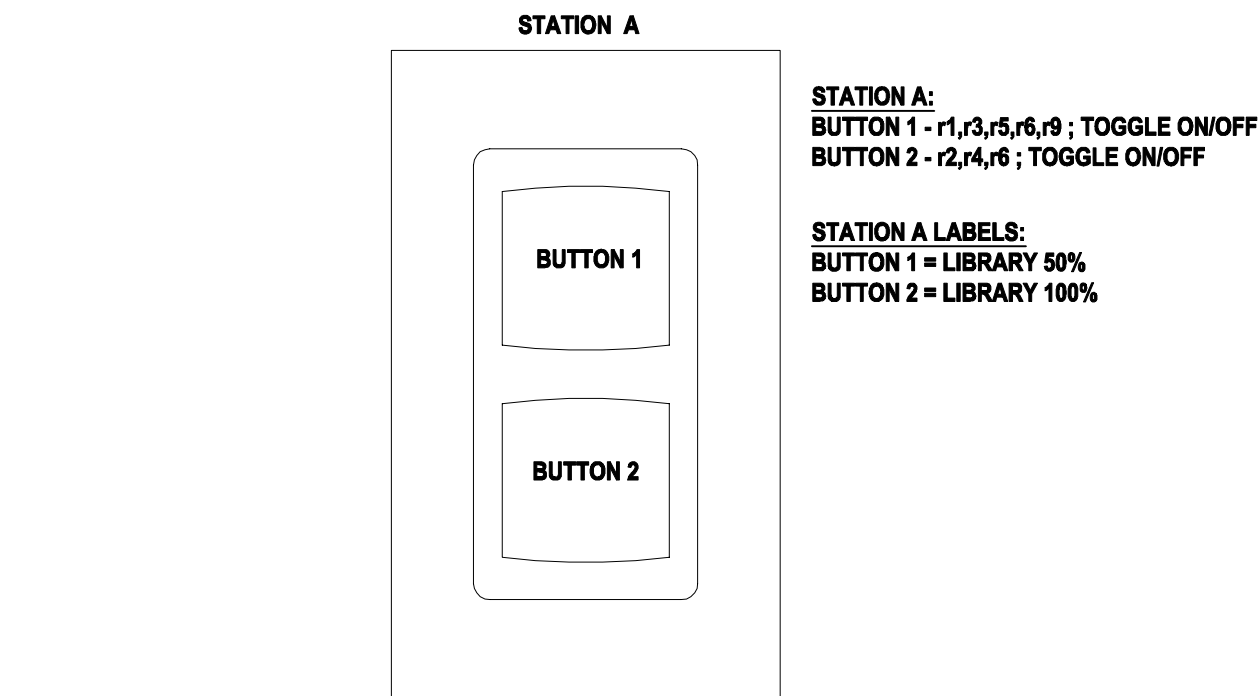
GENERAL NOTES:
1. ALL CIRCUITRY SHALL BE SERVED FROM PANEL '1A' UNLESS OTHERWISE NOTED.

KEYED NEW WORK NOTES:
1 RELOCATED HEAT TAPE SWITCH INTERCEPT AND EXTEND BRANCH CIRCUITRY SERVING EXISTING HEAT TAPE. RECONNECT EXISTING CIRCUITRY WITH NEW BRANCH CIRCUITRY TO PANEL '1A'.
2 30"x96"x3/4" PLYWOOD BACKBOARD PAINTED WITH FIRE RETARDANT PAINT.
3 7 DAY PROGRAMMABLE TIME CLOCK WITH LED DISPLAY WITH 30DAY BACK-UP BATTERY TO CONTROL EF-2. ROUTE CIRCUITRY THROUGH TIME CLOCK PRIOR TO ROUTING UP TO THE ROOF.

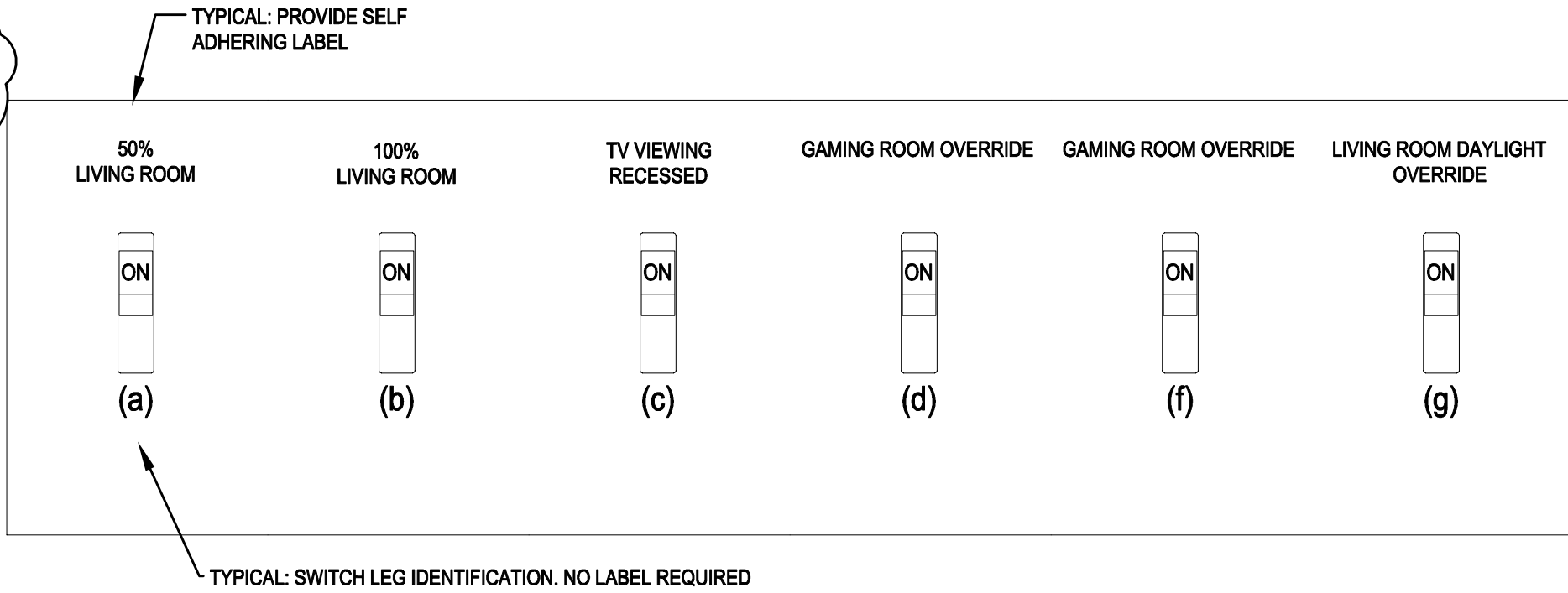
9 **ENLARGED MECH. ROOM 108**
SCALE: 1/4" = 1'-0"



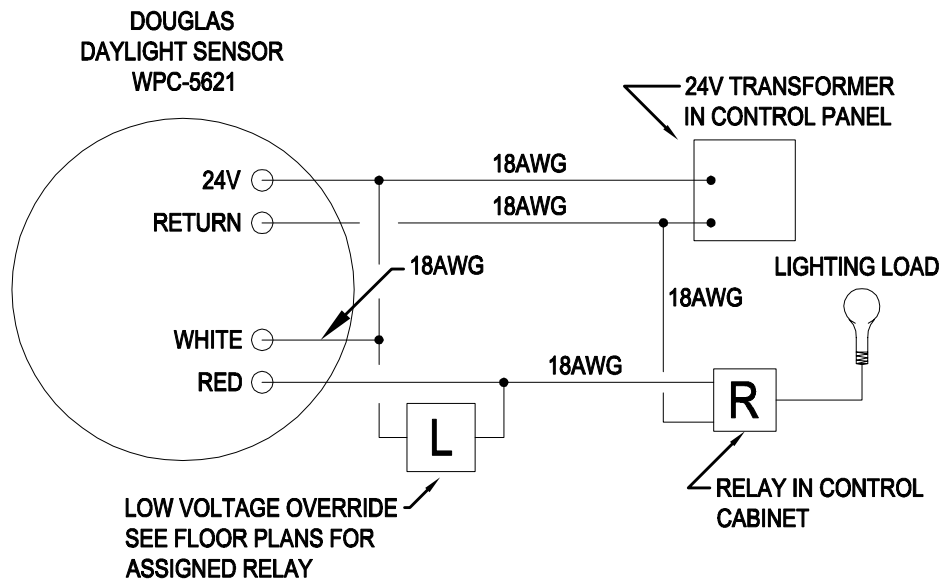
10 **LOW VOLTAGE CONTROL STATION DETAIL**
SCALE: NO SCALE



5 **LOW VOLTAGE CONTROL STATION DETAIL**
SCALE: NO SCALE

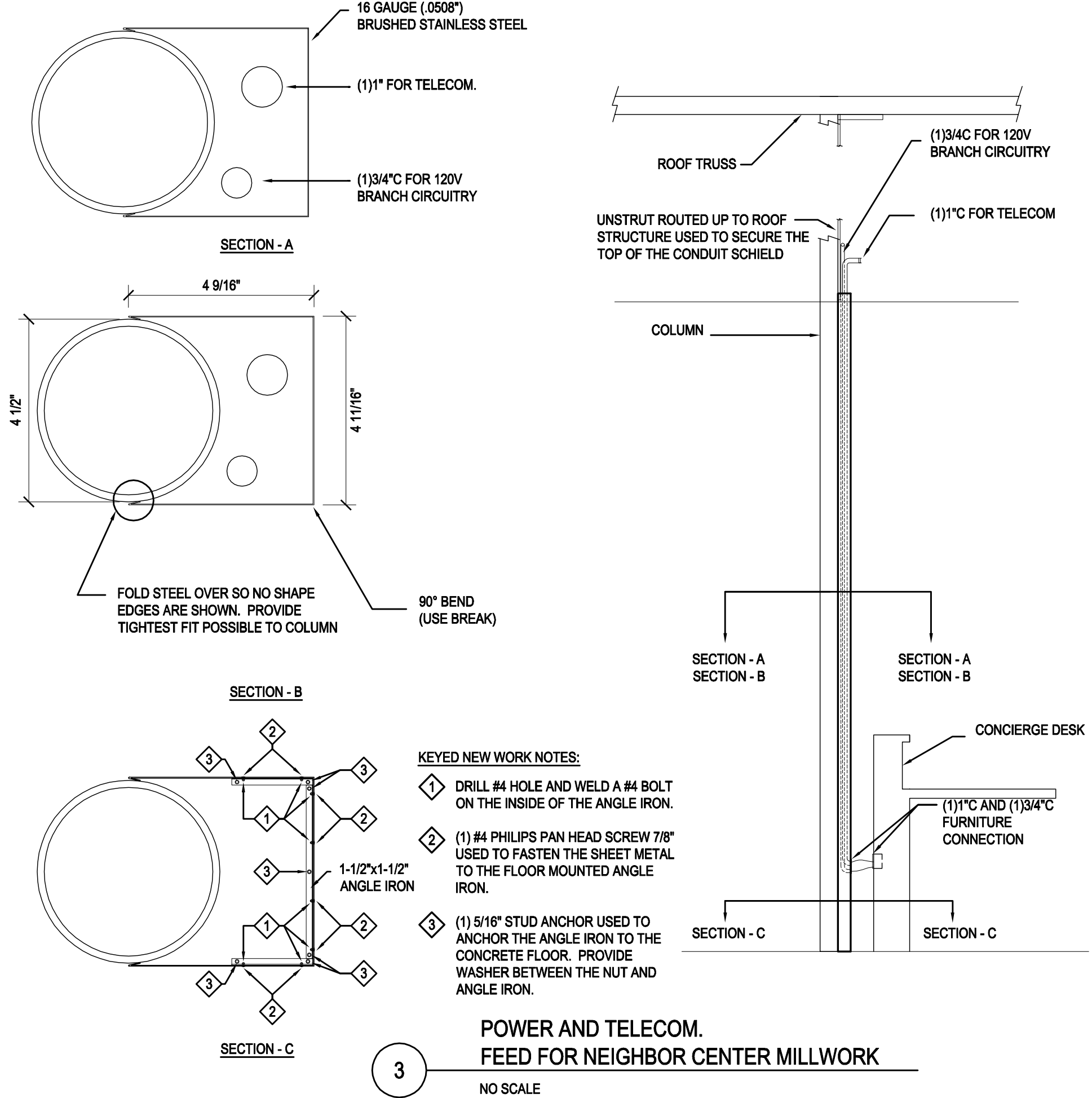


6 **LINE VOLTAGE CONTROL STATION DETAIL**
SCALE: NO SCALE



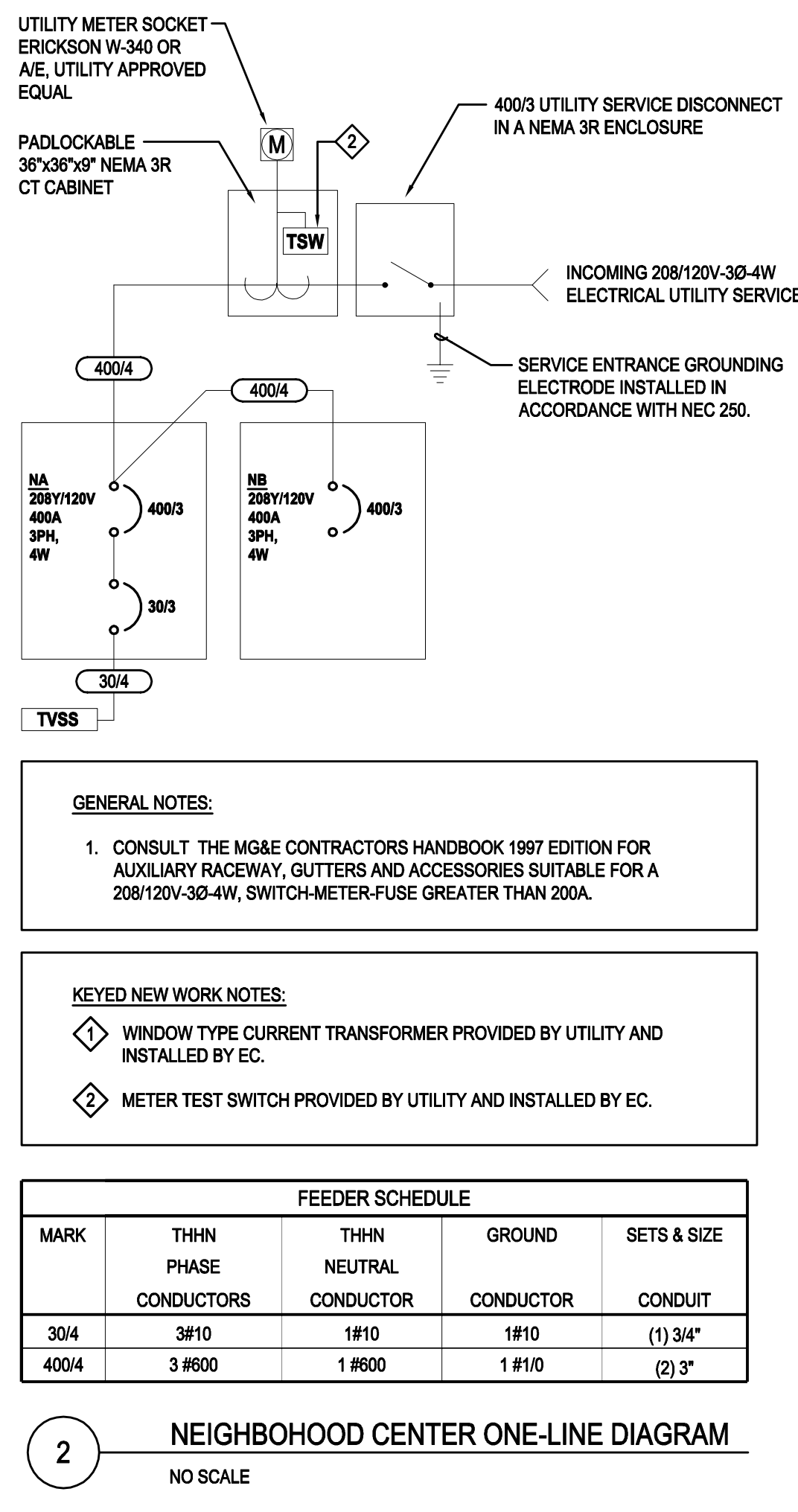
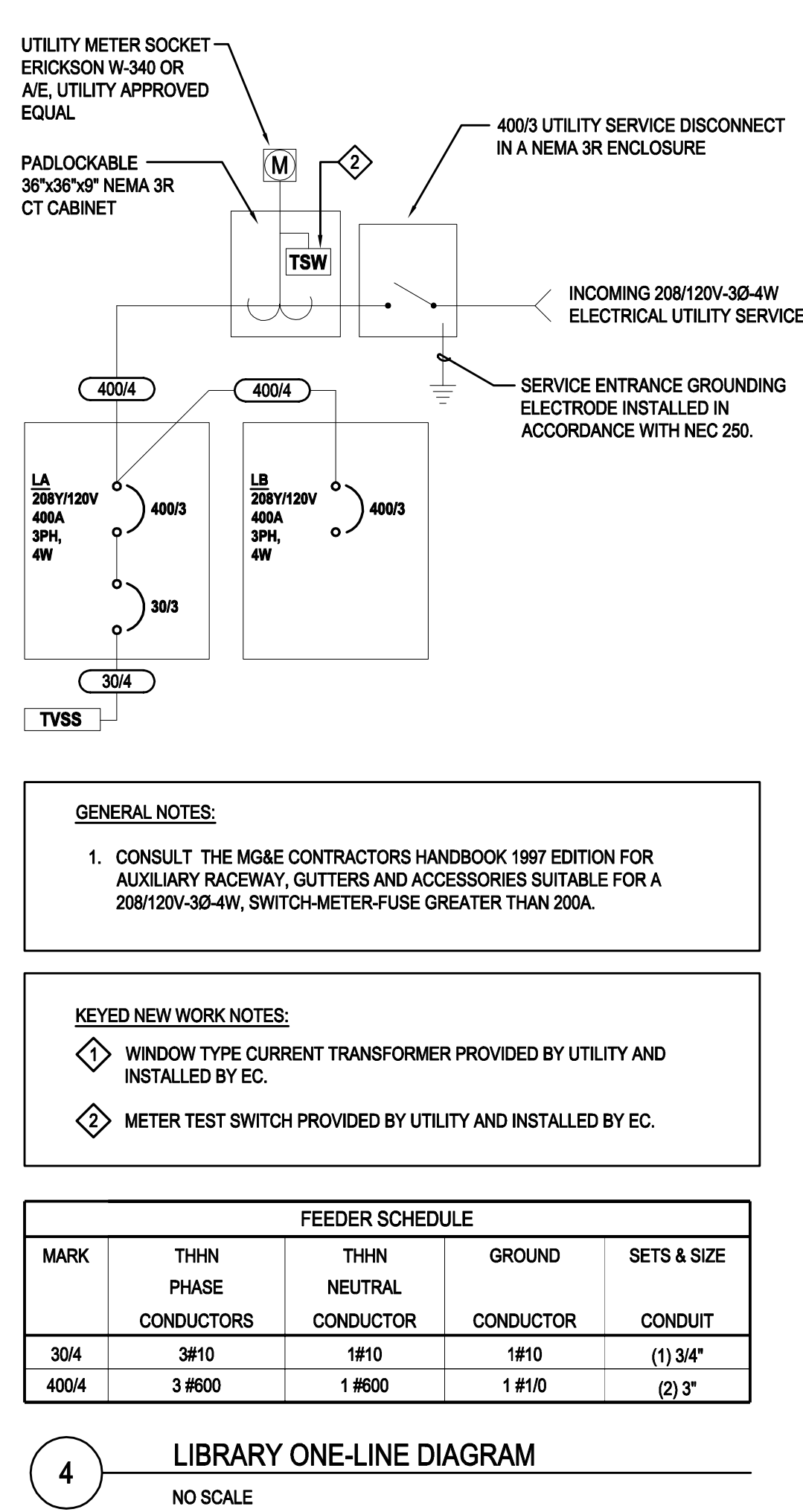
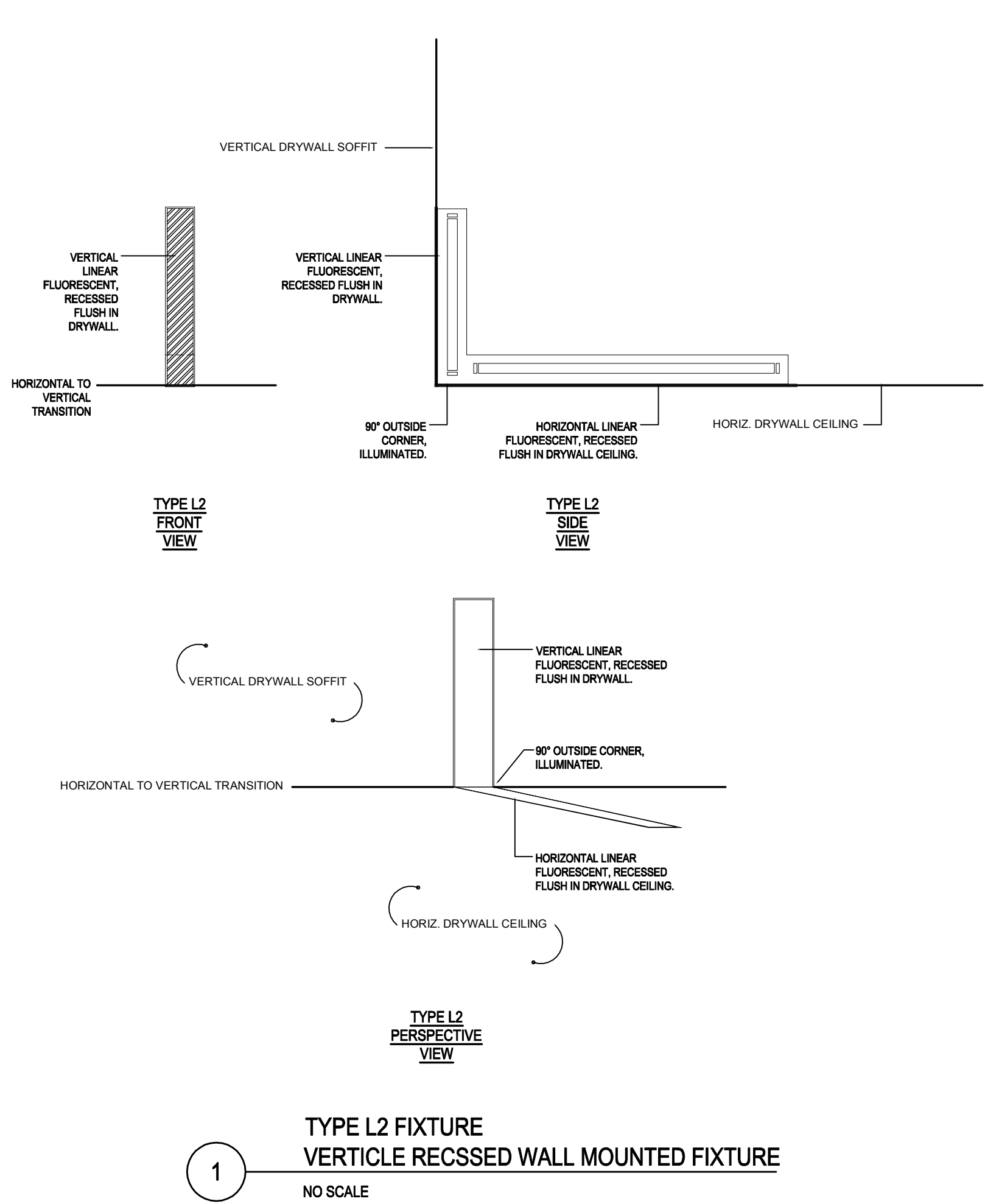
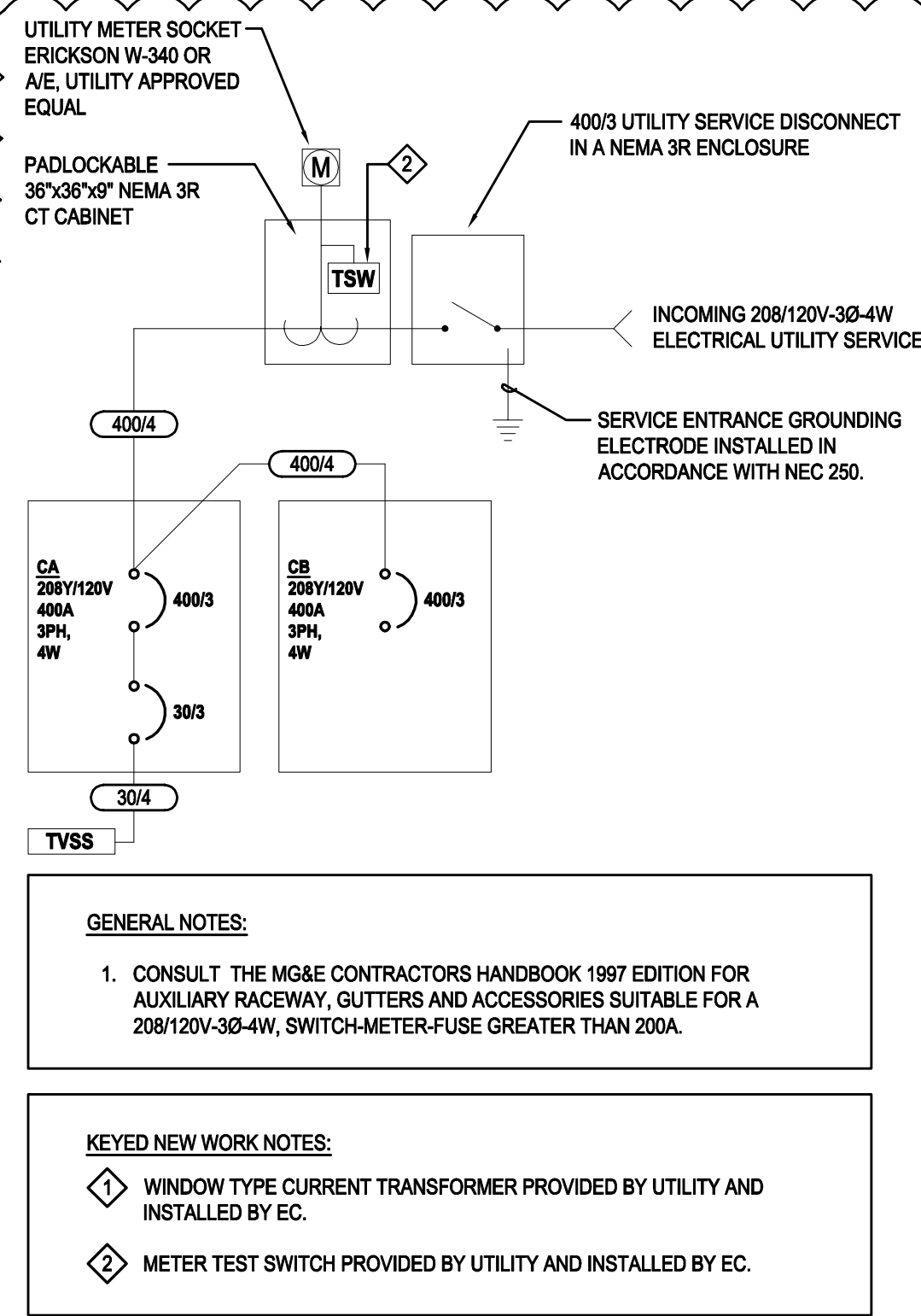
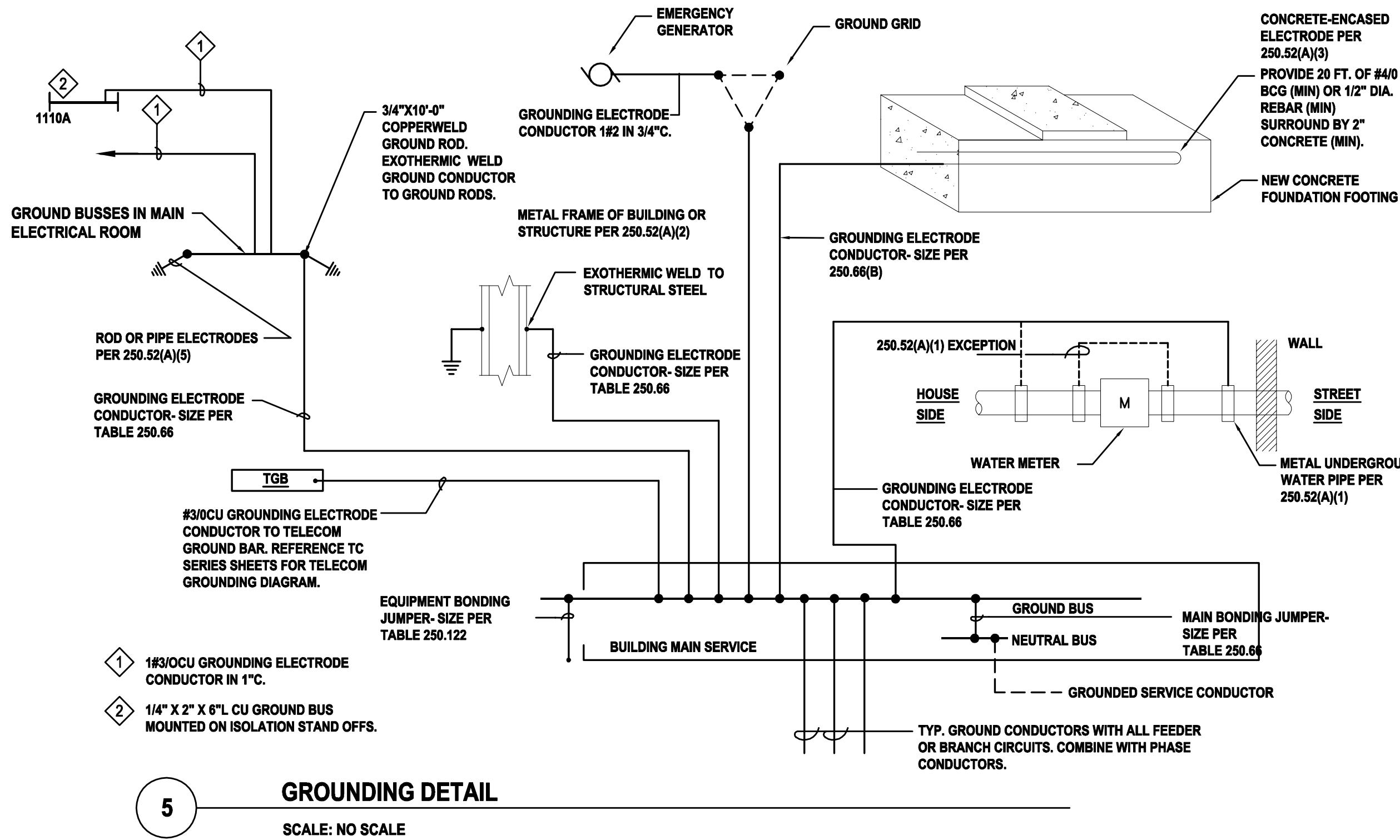
NOTE:
REFER TO MANUFACTURE INSTALLATION INSTRUCTIONS FOR DETAILED PROGRMAING AND WIRING INFORMATION.

8 **ON/OFF DAYLIGHT SENSOR**
SCALE: NO SCALE



KEYED NEW WORK NOTES:
1 DRILL #4 HOLE AND WELD A #4 BOLT ON THE INSIDE OF THE ANGLE IRON.
2 (1) #4 PHILIPS PAN HEAD SCREW 7/8" USED TO FASTEN THE SHEET METAL TO THE FLOOR MOUNTED ANGLE IRON.
3 (1) 5/16" STUD ANCHOR USED TO ANCHOR THE ANGLE IRON TO THE CONCRETE FLOOR. PROVIDE WASHER BETWEEN THE NUT AND ANGLE IRON.

3 **POWER AND TELECOM.
FEED FOR NEIGHOR CENTER MILLWORK**
NO SCALE



LIGHTING FIXTURE SCHEDULE														
MARK	FIXTURE			LAMP				BALLAST/DRIVER		MOUNTING		MANUFACTURER		REMARKS
	TYPE	DIFFUSER	WATTS	TYPE	TEMP	CRI	QTY	TYPE	VOLTAGE	TYPE	HT	NAME	MODEL NUMBER	
A1	2'x4' ACRYLIC	PRISMATIC	28W	T5	4000	85	3	IS	120	RECESSED	CEILING	LITHONIA	2SP5-G-3-28T5-A12125-MVOLT-GE895	
D1	19.7" SURFACE	FROSTED POLYMER	22W	LED	4000	85	1	DIMMING	120	SURFACE	CEILING	EUREKA	3036-LED-22.40-120-WH-FRO	
D2	28" SURFACE	FROSTED POLYMER	22W	LED	4000	85	1	DIMMING	120	SURFACE	CEILING	EUREKA	3036B-LED-22.40-120-WH-FRO	
D3	19.7" SUSPENDED	FROSTED POLYMER	22W	LED	4000	85	1	DIMMING	UNV	SUSPENDED	63.75" BELOW CEILING	EUREKA	4236-LED-22.40-120-277-AC-WH-FRO	
D4	28" SUSPENDED	FROSTED POLYMER	22W	LED	4000	85	1	DIMMING	UNV	SUSPENDED	63.75" BELOW CEILING	EUREKA	4236B-LED-22.40-120-277-AC-WH-FRO	
L1	1'x4' RECESSED	ACRYLIC	28W	T5			2	DIMMING	120	RECESSED	CEILING	FOCAL POINT	FEQ-14-B-2-T5-S-120-WP-WH	PROVIDE STEP DIMMING BALLAST
L2	6'x4'	SATIN ACRYLIC	28W	T5			1	DIMMING	UNV	RECESSED	CEILING	AXIS	BBR-S-FL-SH-NL-T5-1S-W-UNV-T-2A/B-D	PROVIDE STEP DIMMING BALLAST PROVIDE CONTINUOUS ROWS AS SHOWN ON FLOOR PLAN
L2W	6'x4'	SATIN ACRYLIC	28W	T5			1	PS	UNV	RECESSED	CEILING	AXIS	BBR-AF-SH-NL-T5-1-W-120-T-1-D	PROVIDE STEP DIMMING BALLAST PROVIDE CONTINUOUS ROWS AS SHOWN ON FLOOR PLAN
L4	1'x4' RECESSED ASYMMETRIC	SATIN ACRYLIC	28W	T5			1	IS	MVOLT	RECESSED	CEILING	LITHONIA	AV-G-1-28T5-MDR-ASY-MVOLT-GE810IS	
L5	1'x4' RECESSED	ACRYLIC	28W	T5			2	DIMMING	120	RECESSED	CEILING	FOCAL POINT	FEQ-14-B-2-T5-120-WP-WH	
P1	SYSTEM RUN PENDANT	SATIN ACRYLIC	28W	T5			2	DIMMING	UNV	PENDANT	24" BELOW CEILING	AXIS	BBR-S-FL-SH-NL-T5-1S-W-UNV-T-2A/B-C124-D	PROVIDE STEP DIMMING BALLAST PROVIDE CONTINUOUS ROWS AS SHOWN ON FLOOR PLANS NOT TO EXCEED 12'-0"
P3	24" PENDANT	ACRYLIC	32W	TRIPLE TUBE			3		120	PENDANT	30" BELOW CEILING	OCL	FB1-P1AV-24-DC/GW-CHP-41T32-120-30-TLP-EMI	PROVIDE TWO BALLAST TO CONTROL TWO LAMPS EACH
P4	4" PENDANT	GLASS	8	LED			1	-	120	PENDANT		TECH LIGHTING	700-PRF-F-J-W-S-LED	PROVIDE REMOTE POWER SUPPLY LOCATED ABOVE THE ACCESSIBLE CEILING
P5	24" PENDANT	ACRYLIC	32W	TRIPLE TUBE			3		120	PENDANT	30" BELOW CEILING	OCL	FB1-P1EC-24-CC/GW-CHP-41T32-120-30-TLP-EMI	PROVIDE TWO BALLAST TO CONTROL TWO LAMPS EACH
R1	4" DOWNLIGHT	NONE	13	LED	4000		1	-	120	RECESSED	CEILING	OMEGA	OM4LED-20-120-RALED-40K-WH	
R1D	4" DOWNLIGHT	NONE	13	LED	4000		1	DIMMING	120	RECESSED	CEILING	OMEGA	OM4LED-20-120-RALED-40K-WH	PROVIDE 0-10V LEADS
R1W	4" DOWNLIGHT WALL WASH	NONE		LED	4000		1	DIMMING	120	RECESSED	CEILING	OMEGA	OM4LED-20-120-RALED-40K-WW-WH	
R2W	4" DOWNLIGHT WALL WASH	NONE		LED	4000		1	-	120	RECESSED	CEILING	USAI	LN10RAT-WM-MTG120-39KS-LRNT425-10-12	
T1	LINEAR TRACK LIGHTING	NONE	8	PAR20 LED	4000		1	DIMMING	120	SURFACE	CEILING	CON TECH	TRACK: LT-8 (x2) 16' LENGTH FIXTURE HEAD: CTL5020-S	PROVIDE QUANTUM LED PAR 20 LAMP MODEL QP2008FLOW PROVIDE ALL THE NECESSARY COMPONENTS FOR A COMPLETE INSTALLATION.
U1	UNDER CABINET		10.5W	LED	3000		1	-	120	SURFACE		TECH LIGHTING	700UCFDW-19-90-3-B-LED-OCS	
B1	EMERGENCY LIGHT BATTERY	SEE REMARKS	35	MR16	N/A	N/A	2	N/A	120	RECESSED	CEILING	CHLORIDE	F-1-W-IC-CMLK	PROVIDE DIRECTIONAL INDICATORS AND FACES AS SHOWN ON THE PLANS
X1	CEILING EXIT	SEE REMARKS	N/A	LED	N/A	N/A	N/A	N/A	120	SURFACE	CEILING	LITHONIA	LQM-S-W-R-120/277	PROVIDE DIRECTIONAL INDICATORS AND FACES AS SHOWN ON THE PLANS
X2	WALL EXIT	SEE REMARKS	N/A	LED	N/A	N/A	N/A	N/A	120	SURFACE	WALL	LITHONIA	LQM-S-W-R-120/277-ELN	PROVIDE DIRECTIONAL INDICATORS AND FACES AS SHOWN ON THE PLANS PROVIDE BATTERY BACK-UP

NOTE:
* ALL FIXTURES SUBMITTED FOR APPROVAL AS EQUALS MUST BE SUBMITTED NO LATER THAN 10 BUSINESS DAYS BEFORE THE BID DUE DATE. ANY FIXTURES SUBMITTED AFTER THAT DATE WILL NOT BE ACCEPTED AS EQUALS.
1. MANUFACTURE NAMES AND CATALOG NUMBERS ARE USED FOR QUALITY AND PERFORMANCE ONLY. LIGHT FIXTURES AND OTHER ELECTRICAL DEVICES MANUFACTURED BY OTHERS SHALL BE EQUALLY ACCEPTABLE PROVIDED THEY MEET OR EXCEED IN PERFORMANCE AND QUALITY AS SPECIFIED.
2. PROVIDE EMERGENCY BATTERY PACK CAPABLE OF 80% LIGHT OUTPUT FOR ALL FIXTURES DESIGNATED AS "EM" (EMERGENCY).

RELAY SCHEDULE						
NUMBER	CIRCUIT	OPERATION		SWITCH CONTROL	NOTES	REMARKS
		ON	OFF			
1	LA-1	7:30AM	10PM	YES	2	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
2	LA-1	7:30AM	10PM	YES	2	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
3	LA-1	7:30AM	10PM	YES	2	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
4	LA-1	7:30AM	10PM	YES	1,2	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
5	LA-3	7:30AM	10PM	YES	2	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
6	LA-3	7:30AM	10PM	YES	2	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
7	LA-3	7:30AM	10PM	YES	2	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
8	LA-3	7:30AM	10PM	YES	1,2	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
9	LA-5	7:30AM	10PM	YES	2	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
10	LA-5	7:30AM	10PM	YES	2	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
11	LA-2	7:30AM	10PM	YES	1,2	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
12	LA-2	7:30AM	7:30AM	YES	1,3	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
13	LA-2	7:30AM	7:30AM	YES	1,2	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
14						SPARE RELAY TO REMAIN
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

NOTES:
1. DAYLIGHT SENSOR SHALL OVERRIDE THIS RELAY WHEN 100FC IS PRESENT REDUCING THE LIGHT OUTPUT BY 50%.
2. EXISTING RELAY TO BE RE-USED.



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JOB NO: 7868

Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER 132273.00

SEAL

ISSUED FOR:
BIDDING 10-28-13

REVISION FOR:
NO. DESCRIPTION DATE
ADDENDUM - 2 01-07-14

DRAWN BY AJG

CHECKED BY DJG

ELECTRICAL
SCHEDULES

E400


BRANCH PANEL NAME		VOLTAGE			PHASE		WIRE		BUS SIZE		MAIN OCP		A/C RATING	
LA		120/ 208			3		4		400A		400A		22,000	
100% NEUTRAL NEMA 1		CODE: L=LIGHTING, R=RECEPTACLES, M=MOTORS, K=KITCHEN										FLUSH MOUNTING TRIM		
		COPPER GROUND BAR										FEED THRU LUGS		
LOAD	CODE	POLE	BKR	CCT#	A	B	C	CCT#	BKR	POLE	CODE	LOAD		
LIGHTING	L	1	20	1	1,270 1,590				2	20	1	L	LIGHTING	
LIGHTING	L	1	20	3		1,364 1,080			4	20	1	R	RECEPTACLES	
LIGHTING	L	1	20	5			1,561 1,080		6	20	1	R	RECEPTACLES	
RECEPTACLES	R	1	20	7	1,080 1,080				8	20	1	R	RECEPTACLES	
RECEPTACLES	R	1	20	9		1,080 500			10	20	1	R	FIREPLACE	
RECEPTACLES	R	1	20	11			1,080 180		12	20	1	R	RECEPTACLE	
RECEPTACLE	R	1	20	13	180 180				14	20	1	R	RECEPTACLE	
RECEPTACLE	R	1	20	15		180 1,080			16	20	1	R	RECEPTACLES	
RECEPTACLES	R	1	20	17			1,080 3,500		18	80	2	L	WF-1F	
HVAC POWER SUPPLY	R	1	20	19	540 3,500				20			L	I	
HVAC POWER SUPPLY	R	1	20	21		540 1,375			22	40	2	L	CUH-1/WF-2	
TVSS		1	30	23			1,375		24			L	I	
SPARE		1	20	25					26	20	1	R	SECURITY GATE	
RECEPTACLES	R	1	20	27		1,080 1,080			28	20	1	R	RECEPTACLES	
RECEPTACLES	R	1	20	29			1,080 800		30	20	1	R	IR SINKS/TOILETS	
IR SINKS/TOILETS	R	1	20	31	800 1,080				32	20	1	R	RECEPTACLES	
RECEPTACLE	R	1	20	33		360 360			34	20	1	R	RECEPTACLES	
RECEPTACLESUJH1A	R	1	20	35			1,105 360		36	20	1	M	RECEPTACLE	
WF-2A	L	2	80	37	375 744				38	20	1	L	WH-1	
I	L			39		375 500			40	20	1		SECURITY GATE	
EXISTING HEAT TAPE	L	1	20	41			1,080		42	20	1		BOOK SECURITY	

BRANCH PANEL NAME		VOLTAGE		PHASE		WIRE		BUS SIZE		MAIN OCP		A/C RATING	
LB		120/ 208		3		4		400A		400A		22,000	
100% NEUTRAL		CODE: L=LIGHTING, R=RECEPTACLES, M=MOTORS, K=KITCHEN										FLUSH MOUNTING TRIM	
NEMA 1		COPPER GROUND BAR											
LOAD	CODE	POL	BKR	CCT#	A	B	C	CCT#	BKR	POL	CODE	LOAD	
FACP	R	2	20	1	1,080 370				2	20	1	R	REMOTE WTR COOLER COND.
FACP	R	2	20	3		1,080 552			4	20	2	M	ACC-1
NAC	R	1	20	5			600 552		6			M	
NAC	R	1	20	7	600 1,352				8	20	2	M	ACCU-1
NAC	R	1	20	9		600 1,354			10			M	
FLOOR BOX	R	1	20	11			1,080 900		12	20	1	R	COPIER
LTG CONTROL PANEL	R	1	20	13	360 360				14	20	1	K	RFID
RTU-1	M		60	15		5,400			16	60		M	
	M	3	60	17			5,400		18	60	3	M	RTU-2
	M		60	19	5,400 5,400				20	60		M	
	R	1	20	21		1,200			22	20	1	M	POWER OPERATED DOOR
	R	1	20	23					24	20	1	M	
	R	1	20	25					26	20	1	R	
	R	1	20	27					28	20	1	L	
	R	1	20	29					30	20	1	K	
	R	1	20	31					32	20	1	M	
	R	1	20	33					34	20	1	R	
	R	1	20	35					36	20	1	L	
	R	1	20	37					38	20	1	K	
	R	1	20	39					40	20	1	M	
	R	1	20	41					42	20	1	R	

BRANCH PANEL NAME		VOLTAGE		PHASE		WIRE		BUS SIZE		MAIN OCP		A/C RATING	
CA		120/ 208		3		4		400		400		22,000	
100% NEUTRAL		CODE: L-LIGHTING, R-RECEPTACLES, M-MOTORS, K-KITCHEN										FLUSH MOUNTING TRIM	
NEMA 1		COPPER GROUND BAR										FEED THRU LUGS	
LOAD	CODE	POL	BKR	CT#	A	B	C	CT#	BKR	POL	CODE	LOAD	
LIGHTING	L	1	20	1	1,484 2,500				2	30	2	M	WF-1D
LIGHTING	L	1	20	3		995 2,500			4			M	I
WF-1E	M	2	30	5			2,500 1,080		6	20	1	R	RECEPTACLES
I	M			7	2,500 1,000				8	20	1	R	REFRIGERATOR
RECEPTACLES/PROJ. SCREEN	R	1		9		1,080 360			10	20	1	R	RECEPTACLES
RECEPTACLES/UH-1B	R	1	20	11			1,105 900		12	20	1		REFRIDGE
RECEPTACLES	R	1	20	13	1,080 540				14	20	1	R	RECEPT
UNDER COUNTER DISWASHER	K	3		15		2,000 360			16	20	1	R	RECEPT
	K	3	40	17			2,000 480		18	20	1	K	RANGE WITH SHUNT TRIP
	K	3		19	2,000 0				20			K	
	K	3		21		384 180			22	20	1	K	HOOD LIGHTS WITH SHUNT TRIP
DISPOSER	K	3	20	23			384 0		24	20	1	K	
	K	3		25	384 180				26	20	1	K	FIRE SUPPRESSION SYSTEM
COOLER	K	1	20	27		1,080 540			28	20	1	K	WORK TABLE RECEPT
FREEZER	K	1	20	29			864 540		30	20	1	K	WORK TABLE RECEPT
RTU-5		3		31	6,336 540				32	20	1	K	WORK TABLE RECEPT
		3	60	33		6,336 540			34	20	1	K	WORK TABLE RECEPT
		3		35			6,336 288		36	20	1	R	EF-1
		3		37	6,336 288				38	20	1	R	EF-2
RTU-6		3	60	39		6,336 500			40	20	1	R	SECURITY GATE
		3		41			6,336 1,080		42				VAV POWER SUPPLY

BRANCH PANEL NAME		VOLTAGE		PHASE		WIRE		BUS SIZE		MAIN OCP		A/C RATING	
NB		120/ 208		3		4		400A		400A		22,000	
100% NEUTRAL		CODE: L=LIGHTING, R=RECEPTACLES, M=MOTORS, K=KITCHEN										SURFACE MOUNTING TRIM	
NEMA 1		COPPER GROUND BAR											
LOAD	CODE	POLE	BKR	CCT#	A	B	C	CCT#	BKR	POLE	CODE	LOAD	
HVAC CONTROL	R	1	20	1	900 360			2	20	1	R	RECEPTACLE	
POWER OPERATED DOOR	R	1	20	3		1,200		4	30	1	R	TVSS	
	R	1	20	5				6	20	1	R		
	R	1	20	7				8	20	1	R		
	R	1	20	9				10	20	1	R		
	R	1	20	11				12	20	1	L		
	R	1	20	13				14	20	1	K		
	R	1	20	15				16	20	1	M		
	R	1	20	17				18	20	1	R		
	R	1	20	19				20	20	1	L		
	R	1	20	21				22	20	1	K		
	R	1	20	23				24	20	1	M		
	R	1	20	25				26	20	1	R		
	R	1	20	27				28	20	1	L		
	R	1	20	29				30	20	1	K		
	R	1	20	31				32	20	1	M		
	R	1	20	33				34	20	1	R		
	R	1	20	35				36	20	1	L		
	R	1	20	37				38	20	1	K		
	R	1	20	39				40	20	1	M		
	R	1	20	41				42	20	1	R		

BRANCH PANEL NAME		VOLTAGE		PHASE		WIRE		BUS SIZE		MAIN OCP		A/C RATING	
NA		120/ 208		3		4		400A		400A		22,000	
100% NEUTRAL		CODE: L=LIGHTING, R=RECEPTACLES, M=MOTORS, K=KITCHEN										SURFACE MOUNTING TRIM	
NEMA 1		COPPER GROUND BAR										FEED THRU LUGS	
LOAD	CODE	POLE	BKR	CT#	A	B	C	CT#	BKR	POLE	CODE	LOAD	
LIGHTING	L	1	20	1	1,574 5,757								
LIGHTING	L	1	20	3		1,347 5,757			2	60	3	M	
RTU-3	M	3	60	5				5,757 5,757				M	
I	M				5,757 500				6			M	
I	M			7		5,757 500			8	20	1	R	
WF-1A	L	2	20	11					10	20	1	R	
I	L			13	375 625			375 1,080	12	20	1	R	
RECEPTACLES	R	1	20	15		1,080 625			14	20	2	M	
RECEPTACLES	R	1	20	17				1,080 1,080	16			M	
CUH-1A	L	2	60	19	1,500 1,250				18	20	1	R	
I	L			21		1,500 1,250			20	20	2	L	
RECEPTACLES	R	1	20	23				1,080 500	22			L	
FURNIURE FEED	R	1	20	25	500 500			C	24	20	1	R	
FURNITURE FEED	R	1	20	27		500 500			26	20	1	R	
FURNITURE FEED	R	1	20	29				500 500	28	20	1	R	
RECEPTACLES	R	1	20	31	360 540				30	20	1	R	
RECEPTACLES	R	1	20	33		360 1,080			32	20	1	R	
FREEZER	R	1	20	35				1,000 364	34	20	1	R	
REFRIGERATOR	R	1	20	37	1,000 2,400				36	20	1	L	
IR SINKS/TOILET	R	1	20	39		900 2,400			38	20		L	
SECURITY GATE	M	1	20	41				500 2,400	40	20	3	L	
									42	20		L	

BRANCH PANEL NAME		VOLTAGE		PHASE	WIRE	BUS SIZE	MAIN CP		A/C RATING			
CB		120/	208	3	4	400A	400A	22,000				
100% NEUTRAL		CODE: L=LIGHTING, R=RECEPTACLES, M=MOTORS, K=KITCHEN							FLUSH MOUNTING TRIM			
NEMA 1		COPPER GROUND BAR										
LOAD	CODE	POLE	BKR	Ckt#	A	B	C	Ckt#	BKR	POLE	CODE	LOAD
TVSS		1	30	1				2	20	1	R	
	R	1	20	3				4	20	1	R	
	R	1	20	5				6	20	1	R	
	R	1	20	7				8	20	1	R	
	R	1	20	9				10	20	1	R	
	R	1	20	11				12	20	1	L	
	R	1	20	13				14	20	1	K	
	R	1	20	15				16	20	1	M	
	R	1	20	17				18	20	1	R	
	R	1	20	19				20	20	1	L	
	R	1	20	21				22	20	1	K	
	R	1	20	23				24	20	1	M	
	R	1	20	25				26	20	1	R	
	R	1	20	27				28	20	1	L	
	R	1	20	29				30	20	1	K	
	R	1	20	31				32	20	1	M	
	R	1	20	33				34	20	1	R	
	R	1	20	35				36	20	1	L	
	R	1	20	37				38	20	1	K	
	R	1	20	39				40	20	1	M	
	R	1	20	41				42	20	1	R	

Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER	132273.00
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SEAL

ISSUED FOR:
BIDDING 10-28-13

REVISION FOR:		
NO.	DESCRIPTION	DATE
1	ADDENDUM - 2	01-07-14

DRAWN BY AJG

CHECKED BY DJG

ELECTRICAL SCHEDULES

E401



Madison:
1232 Fourier Drive, Suite 101
Madison, Wisconsin 53717-1960
T 608.833.7000 F 608.833.6996
Email: info@henneman.com
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JOB NO: 7868

Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER132273.00

SEAL

ISSUED FOR:
BIDDING10-28-13

REVISION FOR:
NO. DESCRIPTIONDATE
△ ADDENDUM - 201-07-14

DRAWN BYAJG

CHECKED BYDJG

ELECTRICAL
SCHEDULES

E402

OCCUPANCY SENSOR SCHEDULE																					
GENERAL NOTE: REFER TO DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING OCCUPANCY SENSORS, ACCESSORIES, INSTALLATION AND COMMISSIOING REQUIREMENTS. PROVIDE OPTIONS AND ACCESSORIES INDICATED. MANUFACTURERS NAMES AND MODEL NUMBERS INDICATE REQUIRED QUALITY AND PERFORMANCE. THE ELECTRICAL CONTRACTOR MAY PROPOSE PRODUCTS OF EQUAL OR BETTER QUALITY AND PERFORMANCE. FINAL SENSOR QUANTITIES AND LOCATIONS WILL BE BASED UPON MANUFACTURER'S SPECIFIC PRODUCT LAYOUT DRAWINGS. THE CONTRACTOR SHALL PROVIDE DETAILED SHOP DRAWINGS OF SENSORS AND ASSOCIATED WIRING DEVICES SUCH AS POWER PACKS, TRANSFORMERS, LIGHT SWITCHES, DIMMERS, LOW VOLTAGE LIGHTING CONTROLS AND REMOTE TRANSFER (UL924) RELAYS SPECIFIC FOR THIS PROJECT. SHOP DRAWINGS SHALL BE FOR SPECIFIC ROOMS AND SHALL INCLUDE DEVICE LAYOUTS, ACCESSORY LAYOUTS, AND WIRING DIAGRAMS. PROVIDE COMMISSIONING PER DOCUMENTS. PROVIDE A MINIMUM OF FOUR (4) FEET OF EXTRA CABLE AT EACH SENSOR TO ALLOW FOR FIELD ADJUSTMENTS TO LOCATIONS.																					
TYPE	MOUNTING		AREA OF COVERAGE, APPLICATIONS							TECHNOLOGY				LIGHT LEVEL SENSOR	LIGHT LEVEL SENSOR ACTIVATION		MANUFACTURER SERIES				NOTES
	WALL	CEILING	225 SQ. FT.	1000 SQ. FT.	2000 SQ. FT.	CORRIDOR 80 linear ft.	10-30 FT MTG HT	MULTI-WAY	STAIR	PASSIVE INFRARED	ULTRASONIC	ACCOUSTIC	DUAL TECH MULT-TECH		YES	NO	LEVITON WATT-STOPPER	SENSOR SWITCH	OTHER		
A		X		X									X	YES			DT-300				

FLOOR BOX SCHEDULE												
TYPE	SIZE	DEPTH	NUMBER OF GANGS			MATERIAL REQUIRED	PURPOSE	MANUFACTURER	MODEL	COVER PLATE	ACCESSORIES	
			POWER	DATA	AV							
FB1	6" DIA	6"	1 GANG	1 GANG	NONE	PVC	POWER AND DATA	WIREMOLD	RPNFB	RP4V3CTCAB	1-1/4" TO 3/4" REDUCING RING FOR 120V BRANCH CIRCUITS	
FB2	6" DIA	6"	1 GANG	1 GANG	NONE	PVC	POWER AND DATA	WIREMOLD	RPNFB	RP4FFCTCAB	1-1/4" TO 3/4" REDUCING RING FOR 120V BRANCH CIRCUITS	

DISCONNECT SWITCH AND STARTER SCHEDULE															COMMENTS	CONDUIT & WIRE
MARK	LOAD	DISC SW	STAR-TER	VOLTS	PHASE	HP	VA	AMPS	SW	BKR	NEMA ENCL.					
ACC-1	AIR COOLED CONDENSOR	EC	N/A	208	1		1,103	5.3	20.0	20.0	1				2#12, 1#12GND, 1/2"C	
ACCU-1	AIR COOLED CONDENSING UNIT	EC	N/A	208	1		2,708	13.0	20.0	20.0	1				2#12, 1#12GND, 1/2"C	
CUH-1A	CABINET UNIT HEATER	HC	N/A	208	1		6,000	28.8	60.0	40.0	1				2#8, 1#10GND, 3/4"C	
CUH-1B	CABINET UNIT HEATER	HC	N/A	208	1		6,000	28.8	60.0	40.0	1				2#8, 1#10GND, 3/4"C	
WF-1A	ELECTRIC WALL FIN	HC	N/A	208	1		8,000	39.0	60.0	60.0	1				2#6, 1#10GND, 1"C	
WF-1B	ELECTRIC WALL FIN	HC	N/A	208	1		8,000	39.0	60.0	60.0	1				2#6, 1#10GND, 1"C	
WF-2A	ELECTRIC WALL FIN	HC	N/A	208	1		13,250	64.0	100.0	80.0	1				2#3, 1#8GND, 1-1/4"C	
WF-2B	ELECTRIC WALL FIN	HC	N/A	208	1		13,250	64.0	100.0	80.0	1				2#3, 1#8GND, 1-1/4"C	
WF-2C	ELECTRIC WALL FIN	HC	N/A	208	1		13,250	64.0	100.0	80.0	1				2#3, 1#8GND, 1-1/4"C	
WF-2D	ELECTRIC WALL FIN	HC	N/A	208	1		13,250	64.0	100.0	80.0	1				2#3, 1#8GND, 1-1/4"C	
WF-2E	ELECTRIC WALL FIN	HC	N/A	208	1		13,250	64.0	100.0	80.0	1				2#3, 1#8GND, 1-1/4"C	
WF-2F	ELECTRIC WALL FIN	HC	N/A	208	1		13,250	64.0	100.0	80.0	1				2#3, 1#8GND, 1-1/4"C	
WF-2G	ELECTRIC WALL FIN	HC	N/A	208	1		13,250	64.0	100.0	80.0	1				2#3, 1#8GND, 1-1/4"C	
EF-1	EXHAUST FAN	EC	N/A	120	1	0.5	691	2.4	20.0	20.0	3				1#12, 1#12GND, 1/2"C	
EF-2	EXHAUST FAN	EC	N/A	120	1	0.5	691	2.4	20.0	20.0	3				1#12, 1#12GND, 1/2"C	
UH-1A	UNIT HEATER	EC	N/A	120	1	0.03	25	0.2	20.0	20.0	1				1#12, 1#12GND, 1/2"C	
UH-1B	UNIT HEATER	EC	N/A	120	1	0.03	25	0.2	20.0	20.0	1				1#12, 1#12GND, 1/2"C	
RTU-1	EXISTING ROOF TOP UNIT	HC	HC	208	3		18,936	52.6	EXIST	60.0	3		EXISTING UNIT TO SERVED BY NEW PANEL		3#4, 1#8GND, 1-1/4"C	
RTU-2	EXISTING ROOF TOP UNIT	HC	HC	208	3		18,936	52.6	EXIST	60.0	3		EXISTING UNIT TO SERVED BY NEW PANEL		3#4, 1#8GND, 1-1/4"C	
RTU-3	EXISTING ROOF TOP UNIT	HC	HC	208	3		18,936	52.6	EXIST	60.0	3		EXISTING UNIT TO SERVED BY NEW PANEL		3#4, 1#8GND, 1-1/4"C	
RTU-4	EXISTING ROOF TOP UNIT	HC	HC	208	3		18,936	52.6	EXIST	60.0	3		EXISTING UNIT TO SERVED BY NEW PANEL		3#4, 1#8GND, 1-1/4"C	
RTU-5	EXISTING ROOF TOP UNIT	HC	HC	208	3		14,436	40.1	EXIST	45.0	3		EXISTING UNIT TO SERVED BY NEW PANEL		3#6, 1#10GND 1"C	
RTU-6	NEW ROOF TOP UNIT	HC	HC	208	3		15,084	41.9	60.0	45.0	3					

*ELECTRICAL CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH CONTRACTOR SUPPLYING EQUIPMENT PRIOR TO ALL TRADES ORDERING EQUIPMENT TO ENSURE THE PROPER SELECTION AND COST IMPLICATIONS OF EQUIPMENT SELECTION. COSTS INCURRED DUE TO CHANGES SHALL BE DEFERRED TO THE TRADE SUPPLYING THE EQUIPMENT.

GENERAL NOTES (SHEET M100):

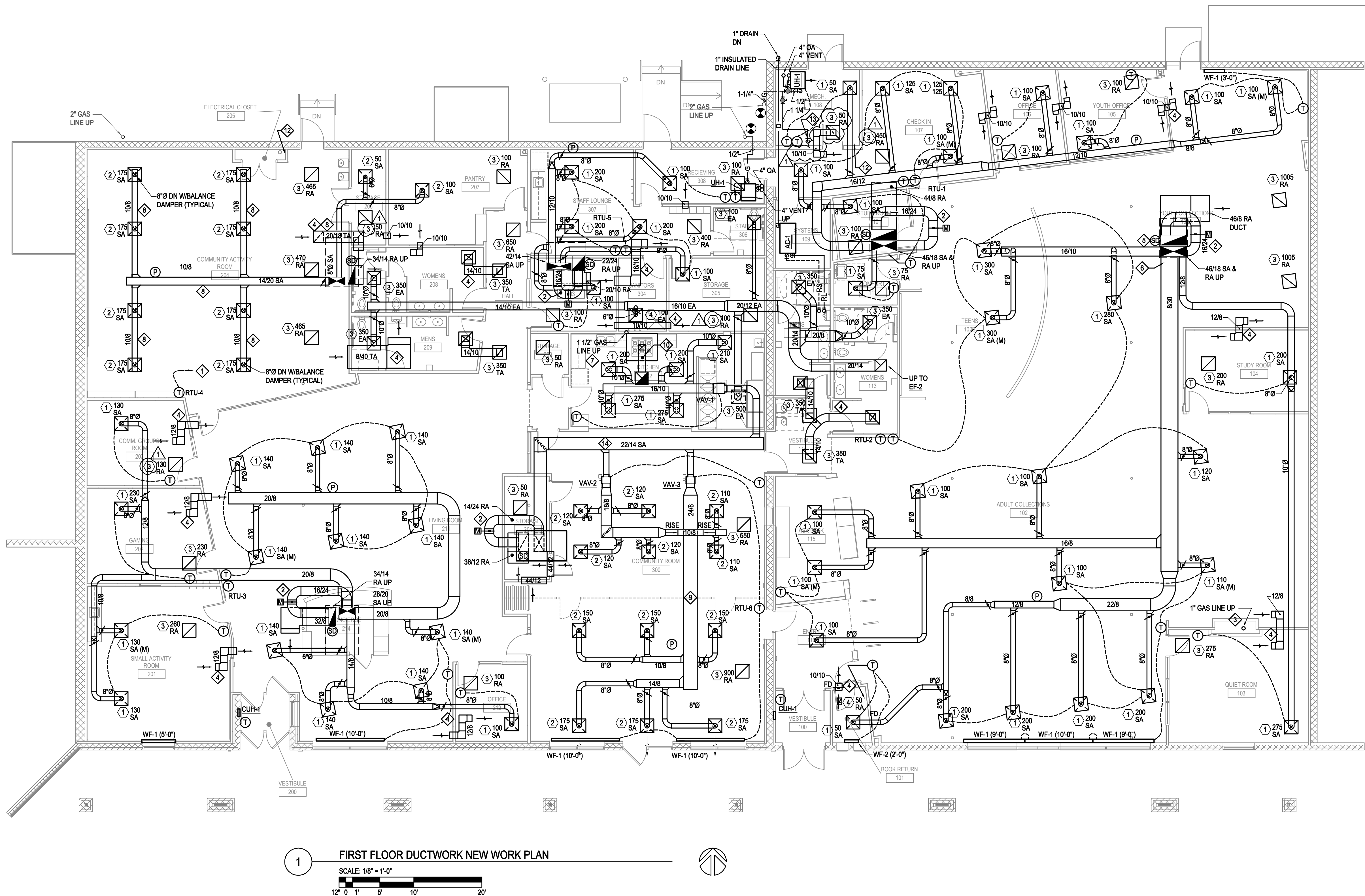
1. CONTRACTOR TO REMOVE AND REPLACE EXISTING INSULATION ON BOTTOM OF STRUCTURE FOR ANY WORK THAT TAKES PLACE ABOVE THE INSULATION. DUCTWORK THAT IS INSTALLED ABOVE THE INSULATION AT THE BOTTOM OF STRUCTURE SHALL BE TREATED AS DUCTWORK IN AN UNCONDITIONED SPACE AND BE INSULATED AS INDICATED IN THE SPECIFICATIONS. REFER TO 23 07 00 HVAC INSULATION.
2. CONTRACTOR TO LINE SUPPLY & RETURN AIR DUCTS UP TO RTUs. TYPICAL OF ALL AIR HANDLING UNITS. LINE SUPPLY & RETURN DUCTS UP TO FIRST TAKE-OFF.
3. CONTRACTOR TO COORDINATE ALL THERMOSTAT LOCATIONS WITH FURNITURE PLAN.

KEYED NEW WORK NOTES (SHEET M100):

1. CONNECT TO RTU-4
2. BY PASS CONNECTION WITH MOTORIZED DAMPER, ROUTE DUCTWORK THRU TRUSSES AND PROVIDE ACCESS DOOR ABOVE CEILING FOR MOTORIZED DAMPER. CONTRACTOR TO COORDINATE MOTORIZED DAMPER & ACCESS WITH FURNITURE/EQUIPMENT PLAN. CONTRACTOR TO VERIFY EXISTING STRUCTURE AND DUCT ROUTING.
3. 1" GAS LINE DOWN TO FIRE PLACE
4. TRANSFER AIR DUCT, LINE TRANSFER AIR DUCTWORK AND PROVIDE MINIMUM OF 2 ELBOWS IN SOUND SENSITIVE AREAS
5. SMOKE DETECTOR ON RETURN AIR DUCT (TYPICAL ALL RTUs)
6. DUCT PRESSURE SENSOR ON SUPPLY AIR DUCTS ON VARIABLE VOLUME RTUs
7. 1-1/2" GAS LINE DOWN TO RANGE/OVEN, GAS SHUT OFF VALVE & BUTTON FURNISHED BY KITCHEN EQUIPMENT SUPPLY, INSTALLED BY MECHANICAL CONTRACTOR. COORDINATE LOCATION WITH OWNER.

KEYED NEW WORK NOTES (SHEET M100):

8. ROUTE DUCTWORK THROUGH TRUSS WEBBING
9. CONTRACTOR TO VERIFY CLEARANCE ABOVE STEEL BEAM AND STRUCTURE ABOVE
10. NEW 12/10 WELDED STEEL KITCHEN EXHAUST DUCT WRAPPED IN FIRE PROOF INSULATION. CONNECT TO 8/8 HOOD CONNECTION. BALANCE TO 680 CFM. CONTRACTOR TO VERIFY HOOD CONNECTION & HOOD EXHAUST CFM WITH MANUFACTURER.
11. 1" GAS LINE DOWN TO GAS FIRED WATER HEATER. WATER HEATER PROVIDED BY PLUMBING CONTRACTOR, GAS PIPING BY MECHANICAL CONTRACTOR.
12. VAV DIFFUSER POWER MODULE, COORDINATE LOCATION WITH ELECTRICAL CONTRACTOR. PROVIDE (2) FOR MECHANICAL ROOM 108 & (1) IN ELECTRICAL CLOSET 205 (TOTAL OF 3)
13. 1-1/4" GAS DOWN TO WATER HEATER (REFER TO PLUMBING DRAWINGS FOR LOCATION)
14. LINE SUPPLY DUCTWORK UP TO FIRST TAKE-OFF. TYPICAL ALL UNITS REFER TO GENERAL NOTE #2.



1 FIRST FLOOR DUCTWORK NEW WORK PLAN
SCALE: 1/8" = 1'-0"
12' 0' 1' 5' 10' 20'

Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER 132273.00

SEAL

ISSUED FOR:
BIDDING 10-28-13

REVISION FOR:
NO. DESCRIPTION DATE
1 ADDENDUM - 2 01-07-14

DRAWN BY AJG
CHECKED BY DJG

FIRST FLOOR
DUCTWORK NEW
WORK PLAN

PREVAILING WAGE RATE DETERMINATION

Issued by the State of Wisconsin
Department of Workforce Development
Pursuant to s. 66.0903, Wis. Stats.
Issued On: 1/6/2014

DETERMINATION NUMBER: 201400001

EXPIRATION DATE: Prime Contracts MUST Be Awarded or Negotiated On Or Before 12/31/2014. If NOT, You MUST Reapply.

PROJECT NAME: ALL PUBLIC WORKS PROJECTS UNDER SEC 66.0903, STATS - CITY OF MADISON

PROJECT LOCATION: MADISON CITY, DANE COUNTY, WI

CONTRACTING AGENCY: CITY OF MADISON-ENGINEERING

CLASSIFICATION:	Contractors are responsible for correctly classifying their workers. Either call the Department of Workforce Development (DWD) with trade or classification questions or consult DWD's Dictionary of Occupational Classifications & Work Descriptions on the DWD website at: dwd.wisconsin.gov/er/prevailing_wage_rate/Dictionary/dictionary_main.htm .
OVERTIME:	<p>Time and one-half must be paid for all hours worked:</p> <ul style="list-style-type: none">- over 10 hours per day on prevailing wage projects- over 40 hours per calendar week- Saturday and Sunday- on all of the following holidays: January 1; the last Monday in May; July 4; the 1st Monday in September; the 4th Thursday in November; December 25;- The day before if January 1, July 4 or December 25 falls on a Saturday;- The day following if January 1, July 4 or December 25 falls on a Sunday. <p>Apply the time and one-half overtime calculation to whichever is higher between the Hourly Basic Rate listed on this project determination or the employee's regular hourly rate of pay. Add any applicable Premium or DOT Premium to the Hourly Basic Rate before calculating overtime.</p> <p>A DOT Premium (discussed below) may supersede this time and one-half requirement.</p>
FUTURE INCREASE:	When a specific trade or occupation requires a future increase, you MUST add the full hourly increase to the "TOTAL" on the effective date(s) indicated for the specific trade or occupation.
PREMIUM PAY:	If indicated for a specific trade or occupation, the full amount of such pay MUST be added to the "HOURLY BASIC RATE OF PAY" indicated for such trade or occupation, whenever such pay is applicable.
DOT PREMIUM:	This premium only applies to highway and bridge projects owned by the Wisconsin Department of Transportation and to the project type heading "Airport Pavement or State Highway Construction." DO NOT apply the premium calculation under any other project type on this determination.
APPRENTICES:	Pay apprentices a percentage of the applicable journey person's hourly basic rate of pay and hourly fringe benefit contributions specified in this determination. Obtain the appropriate percentage from each apprentice's contract or indenture.
SUBJOURNEY:	Subjourney wage rates may be available for some of the trades or occupations indicated below with the exception of laborers, truck drivers and heavy equipment operators. Any employer interested in using a subjourney classification on this project MUST complete Form ERD-10880 and request the applicable wage rate from the Department of Workforce Development PRIOR to using the subjourney worker on this project.

This document **MUST BE POSTED** by the **CONTRACTING AGENCY** in at least one conspicuous and easily accessible place **on the site of the project**. A local governmental unit may post this document at the place normally used to post public notices if there is no common site on the project. This document **MUST** remain posted during the entire time any worker is employed on the project and **MUST** be physically incorporated into the specifications and all contracts and subcontracts. If you have any questions, please write to the Equal Rights Division, Labor Standards Bureau, P.O. Box 8928, Madison, Wisconsin 53708 or call (608) 266-6861.

The following statutory provisions apply to local governmental unit projects of public works and are set forth below pursuant to the requirements of s. 66.0903(8), Stats.

s. 66.0903 (1) (f) & s. 103.49 (1) (c) "PREVAILING HOURS OF LABOR" for any trade or occupation in any area means 10 hours per day and 40 hours per week and may not include any hours worked on a Saturday or Sunday or on any of the following holidays:

1. January 1.
2. The last Monday in May.
3. July 4.
4. The first Monday in September.
5. The 4th Thursday in November.
6. December 25.
7. The day before if January 1, July 4 or December 25 falls on a Saturday.
8. The day following if January 1, July 4 or December 25 falls on a Sunday.

s. 66.0903 (10) RECORDS; INSPECTION; ENFORCEMENT.

(a) Each contractor, subcontractor, or contractor's or subcontractor's agent performing work on a project of public works that is subject to this section shall keep full and accurate records clearly indicating the name and trade or occupation of every person performing the work described in sub. (4) and an accurate record of the number of hours worked by each of those persons and the actual wages paid for the hours worked.

s. 66.0903 (11) LIABILITY AND PENALTIES.

- (a) 1. Any contractor, subcontractor, or contractor's or subcontractor's agent who fails to pay the prevailing wage rate determined by the department under sub. (3) or who pays less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor is liable to any affected employee in the amount of his or her unpaid wages or his or her unpaid overtime compensation and in an additional amount as liquidated damages as provided under subd. 2., 3., whichever is applicable.
2. If the department determines upon inspection under sub. (10) (b) or (c) that a contractor, subcontractor, or contractor's or subcontractor's agent has failed to pay the prevailing wage rate determined by the department under sub. (3) or has paid less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor, the department shall order the contractor to pay to any affected employee the amount of his or her unpaid wages or his or her unpaid overtime compensation and an additional amount equal to 100 percent of the amount of those unpaid wages or that unpaid overtime compensation as liquidated damages within a period specified by the department in the order.
3. In addition to or in lieu of recovering the liability specified in subd. 1. as provided in subd. 2., any employee for and in behalf of that employee and other employees similarly situated may commence an action to recover that liability in any court of competent jurisdiction. If the court finds that a contractor, subcontractor, or contractor's or subcontractor's agent has failed to pay the prevailing wage rate determined by the department under sub. (3) or has paid less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor, the court shall order the contractor, subcontractor, or agent to pay to any affected employee the amount of his or her unpaid wages or his or her unpaid overtime compensation and an additional amount equal to 100 percent of the amount of those unpaid wages or that unpaid overtime compensation as liquidated damages.
5. No employee may be a party plaintiff to an action under subd. 3. unless the employee consents in writing to become a party and the consent is filed in the court in which the action is brought. Notwithstanding s. 814.04 (1), the court shall, in addition to any judgment awarded to the plaintiff, allow reasonable attorney fees and costs to be paid by the defendant.

BUILDING OR HEAVY CONSTRUCTION

Includes sheltered enclosures with walk-in access for the purpose of housing persons, employees, machinery, equipment or supplies and non-sheltered work such as canals, dams, dikes, reservoirs, storage tanks, etc. A sheltered enclosure need not be "habitable" in order to be considered a building. The installation of machinery and/or equipment, both above and below grade level, does not change a project's character as a building. On-site grading, utility work and landscaping are included within this definition. Residential buildings of four (4) stories or less, agricultural buildings, parking lots and driveways are NOT included within this definition.

SKILLED TRADES

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
101	Acoustic Ceiling Tile Installer	30.48	15.90	46.38
102	Boilermaker Future Increase(s): Add \$1.50/hr on 1/01/2015; Add \$1.50/hr. on 01/01/2016	32.05	28.04	60.09
103	Bricklayer, Blocklayer or Stonemason Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	32.01	17.35	49.36
104	Cabinet Installer	30.48	15.90	46.38
105	Carpenter	30.48	15.90	46.38
106	Carpet Layer or Soft Floor Coverer	30.48	15.90	46.38
107	Cement Finisher	31.58	16.13	47.71
108	Drywall Taper or Finisher	24.80	16.60	41.40
109	Electrician Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	34.07	19.25	53.32
110	Elevator Constructor	42.86	23.84	66.70
111	Fence Erector	24.72	0.00	24.72
112	Fire Sprinkler Fitter	36.07	18.73	54.80
113	Glazier	38.03	13.42	51.45
114	Heat or Frost Insulator	33.68	24.31	57.99
115	Insulator (Batt or Blown)	15.00	9.50	24.50
116	Ironworker	31.25	19.46	50.71
117	Lather	30.48	15.90	46.38

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
118	Line Constructor (Electrical)	38.25	17.31	55.56
119	Marble Finisher	26.89	19.18	46.07
120	Marble Mason	32.01	17.35	49.36
121	Metal Building Erector	22.00	10.00	32.00
122	Millwright	32.11	15.95	48.06
123	Overhead Door Installer	20.95	4.94	25.89
124	Painter	24.50	16.60	41.10
125	Pavement Marking Operator	30.00	0.00	30.00
126	Piledriver	30.98	15.90	46.88
127	Pipeline Fuser or Welder (Gas or Utility)	30.79	19.74	50.53
129	Plasterer	31.03	17.71	48.74
130	Plumber Future Increase(s): Add \$1/hr on 6/1/2014.	36.42	16.87	53.29
132	Refrigeration Mechanic	41.60	16.71	58.31
133	Roofer or Waterproofer	29.40	6.25	35.65
134	Sheet Metal Worker	34.45	22.57	57.02
135	Steamfitter Future Increase(s): Add \$1.70/hr on 6/1/2014.	42.95	17.81	60.76
137	Teledata Technician or Installer Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	22.25	12.24	34.49
138	Temperature Control Installer	32.94	18.80	51.74
139	Terrazzo Finisher	26.89	19.18	46.07
140	Terrazzo Mechanic	30.20	18.42	48.62
141	Tile Finisher	23.85	17.18	41.03
142	Tile Setter	29.81	17.18	46.99
143	Tuckpointer, Caulker or Cleaner	35.25	13.15	48.40
144	Underwater Diver (Except on Great Lakes)	34.48	15.90	50.38
146	Well Driller or Pump Installer	25.32	15.65	40.97
147	Siding Installer	25.92	18.04	43.96

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	29.16	14.34	43.50
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	30.60	14.86	45.46
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	26.78	13.63	40.41
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	24.86	12.97	37.83
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	28.74	17.27	46.01

TRUCK DRIVERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
201	Single Axle or Two Axle	32.39	18.46	50.85
203	Three or More Axle	18.00	22.88	40.88
204	Articulated, Euclid, Dumptor, Off Road Material Hauler	32.89	18.96	51.85
205	Pavement Marking Vehicle	18.00	22.88	40.88
207	Truck Mechanic	18.00	22.88	40.88

LABORERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
301	General Laborer Premium Increase(s): Add \$1.00/hr for certified welder; Add \$.25/hr for mason tender	24.21	14.63	38.84
302	Asbestos Abatement Worker	24.36	14.44	38.80
303	Landscaper	21.01	9.37	30.38
310	Gas or Utility Pipeline Laborer (Other Than Sewer and Water)	21.01	13.63	34.64
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased) Premium Increase(s): DOT PREMIUMS: Pay two times the hourly basic rate on New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	18.33	13.65	31.98
314	Railroad Track Laborer	23.46	3.30	26.76
315	Final Construction Clean-Up Worker	16.00	0.00	16.00

**HEAVY EQUIPMENT OPERATORS
SITE PREPARATION, UTILITY OR LANDSCAPING WORK ONLY**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
501	Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Milling Machine; Boring Machine (Directional, Horizontal or Vertical); Backhoe (Track Type) Having a Mfr's Rated Capacity of 130,000 Lbs. or Over; Backhoe (Track Type) Having a Mfr's Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Bulldozer or Endloader (Over 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width & Over, or Tractor Mounted, Towed & Light Equipment); Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Crane, Shovel, Dragline, Clamshells; Forklift (Machinery Moving or Steel Erection, 25 Ft & Over); Gradall (Cruz-Aire Type); Grader or Motor Patrol; Master Mechanic; Mechanic or Welder; Robotic Tool Carrier (With or Without Attachments); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Tractor (Scraper, Dozer, Pusher, Loader); Trencher (Wheel Type or Chain Type Having Over 8 Inch Bucket).	33.42	18.96	52.38
502	Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Environmental Burner; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Jeep Digger; Screed (Milling Machine); Skid Rig; Straddle Carrier or Travel Lift; Stump Chipper; Trencher (Wheel Type or Chain Type Having 8 Inch Bucket & Under).	32.89	18.96	51.85
503	Air Compressor (&/or 400 CFM or Over); Augers (Vertical & Horizontal); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, or Tractor Mounted, Towed & Light Equipment); Crusher, Screening or Wash Plant; Farm or Industrial Type Tractor; Forklift; Generator (&/or 150 KW or Over); Greaser; High Pressure Utility Locating Machine (Daylighting Machine); Mulcher; Oiler; Post Hole Digger or Driver; Pump (3 Inch or Over) or Well Points; Refrigeration Plant or Freeze Machine; Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack.	30.82	18.96	49.78
504	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	38.80	18.98	57.78
505	Work Performed on the Great Lakes Including Crane or Backhoe Operator; Assistant Hydraulic Dredge Engineer; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder; 70 Ton & Over Tug Operator.	38.80	18.98	57.78
506	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	34.50	18.98	53.48

507	Work Performed on the Great Lakes Including Deck Equipment Operator, Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under); Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY.	34.50	18.98	53.48
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**HEAVY EQUIPMENT OPERATORS
EXCLUDING SITE PREPARATION, UTILITY, PAVING LANDSCAPING WORK**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	\$	\$	\$
508	Boring Machine (Directional); Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity of Over 4,000 Lbs., Crane With Boom Dollies; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic. Premium Increase(s): Add \$.50/hr for >200 Ton / Add \$1/hr at 300 Ton / Add \$1.50/hr at 400 Ton / Add \$2/hr at 500 Ton & Over.	35.62	18.96	54.58
509	Backhoe (Track Type) Having a Mfr's Rated Capacity of 130,000 Lbs. or Over; Boring Machine (Horizontal or Vertical); Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With A Lifting Capacity Of 4,000 Lbs. & Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Pile Driver; Versi Lifts, Tri-Lifts & Gantrys (20,000 Lbs. & Over).	36.35	6.95	43.30
510	Backhoe (Track Type) Having a Mfr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump (Over 46 Meter), Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Dredge (NOT Performing Work on the Great Lakes); Forklift (Machinery Moving or Steel Erection, 25 Ft & Over); Gradall (Cruz-Aire Type); Hydro-Blaster (10,000 PSI or Over); Milling Machine; Skid Rig; Traveling Crane (Bridge Type).	33.42	18.96	52.38
511	Air, Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Bulldozer or Endloader (Over 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width & Over, or Tractor Mounted, Towed & Light Equipment); Concrete Pump (46 Meter & Under), Concrete Conveyor (Rotec or Bidwell Type); Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Environmental Burner; Gantrys (Under 20,000 Lbs.); Grader or Motor Patrol; High Pressure Utility Locating Machine (Daylighting Machine); Manhoist; Material or Stack Hoist; Mechanic or Welder; Railroad Track Rail Leveling Machine, Tie Placer, Extractor, Tamper, Stone Leveler or Rehabilitation Equipment; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yd or More Capacity; Screed (Milling Machine); Sideboom; Straddle Carrier or Travel Lift; Tining or Curing Machine; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Trencher (Wheel Type or Chain Type Having Over 8-Inch Bucket).	32.89	18.96	51.85

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
512	Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, or Tractor Mounted, Towed & Light Equipment); Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Finishing Machine (Road Type); Fireman (Pile Driver & Derrick NOT Performing Work on the Great Lakes); Grout Pump; Hoist (Tugger, Automatic); Industrial Locomotives; Jeep Digger; Lift Slab Machine; Mulcher; Roller (Rubber Tire, 5 Ton or Under); Screw or Gypsum Pumps; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Stump Chipper; Trencher (Wheel Type or Chain Type Having 8-Inch Bucket & Under); Winches & A-Frames.	30.82	18.96	49.78
513	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Boatmen (NOT Performing Work on the Great Lakes); Boiler (Temporary Heat); Crusher, Screening or Wash Plant; Elevator; Farm or Industrial Type Tractor; Fireman (Asphalt Plant NOT Performing Work on the Great Lakes); Forklift; Generator (&/or 150 KW or Over); Greaser; Heaters (Mechanical); Loading Machine (Conveyor); Oiler; Post Hole Digger or Driver; Prestress Machine; Pump (3 Inch or Over) or Well Points; Refrigeration Plant or Freeze Machine; Robotic Tool Carrier (With or Without Attachments); Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack.	24.19	17.89	42.08
514	Gas or Utility Pipeline, Except Sewer & Water (Primary Equipment).	36.34	21.14	57.48
515	Gas or Utility Pipeline, Except Sewer & Water (Secondary Equipment). Future Increase(s): Add \$1.60/hr on 06/01/2014; Add \$1.65/hr on 06/01/2015.	32.32	18.55	50.87
516	Fiber Optic Cable Equipment Future Increase(s): Add \$1.75/hr on 02/01/2014.	27.89	17.20	45.09

SEWER, WATER OR TUNNEL CONSTRUCTION

Includes those projects that primarily involve public sewer or water distribution, transmission or collection systems and related tunnel work (excluding buildings).

SKILLED TRADES

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
103	Bricklayer, Blocklayer or Stonemason Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	35.10	18.40	53.50
105	Carpenter Future Increase(s): Add \$1.25/hr on 6/2/2014. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	33.68	19.81	53.49
107	Cement Finisher Future Increase(s): Add \$1.87 on 6/1/14; Add \$1.87 on 6/1/15; Add \$1.75 on 6/1/16. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.40/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.	33.51	16.13	49.64
109	Electrician Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	32.82	22.61	55.43
111	Fence Erector	24.72	0.00	24.72
116	Ironworker	31.25	19.46	50.71
118	Line Constructor (Electrical)	38.25	17.31	55.56
125	Pavement Marking Operator	16.00	7.35	23.35
126	Piledriver	30.98	15.90	46.88
130	Plumber	33.75	14.07	47.82
135	Steamfitter	42.45	16.71	59.16
137	Teledata Technician or Installer	21.89	11.85	33.74

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	\$	\$	\$
143	Tuckpointer, Caulker or Cleaner	35.25	13.15	48.40
144	Underwater Diver (Except on Great Lakes)	38.80	18.98	57.78
146	Well Driller or Pump Installer	25.32	15.65	40.97
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	29.16	14.34	43.50
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	30.60	14.86	45.46
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	26.78	13.63	40.41
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	24.86	12.97	37.83
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	12.70	34.45

TRUCK DRIVERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	\$	\$	\$
201	Single Axle or Two Axle	30.00	15.00	45.00
203	Three or More Axle	16.00	7.35	23.35
204	Articulated, Euclid, Dumptor, Off Road Material Hauler	32.89	18.96	51.85
205	Pavement Marking Vehicle	16.00	7.35	23.35
207	Truck Mechanic	16.00	7.35	23.35

LABORERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	\$	\$	\$
301	General Laborer Premium Increase(s): Add \$.20 for blaster, bracer, manhole builder, caulker, bottomman and power tool; Add \$.55 for pipelayer; Add \$1.00 for tunnel work 0-15 lbs. compressed air; Add \$2.00 for over 15-30 lbs. compressed air; Add \$3.00 for over 30 lbs. compressed air.	25.60	14.62	40.22
303	Landscaper	25.28	11.46	36.74
304	Flagperson or Traffic Control Person	24.70	10.72	35.42
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	18.31	12.67	30.98
314	Railroad Track Laborer	23.46	3.30	26.76

**HEAVY EQUIPMENT OPERATORS
SEWER, WATER OR TUNNEL WORK**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
521	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Master Mechanic; Pile Driver. Premium Increase(s): Add \$.25/hr for all >45 Ton lifting capacity cranes	34.62	18.96	53.58
522	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Boring Machine (Directional); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump (Over 46 Meter), Concrete Conveyor (Rotec or Bidwell Type); Concrete Spreader & Distributor; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity of 4,000 Lbs. & Under; Dredge (NOT Performing Work on the Great Lakes); Milling Machine; Skid Rig; Telehandler; Traveling Crane (Bridge Type).	33.42	18.96	52.38
523	Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Boring Machine (Horizontal or Vertical); Bulldozer or Endloader (Over 40 hp); Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Concrete Pump (46 Meter & Under), Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Hydro-Blaster (10,000 PSI or Over); Manhoist; Material or Stack Hoist; Mechanic or Welder; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yd or More Capacity; Screed (Milling Machine); Sideboom; Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Trencher (Wheel Type or Chain Type Having Over 8-Inch Bucket).	32.89	18.96	51.85

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
524	Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width & Over, or Tractor Mounted, Towed & Light Equipment); Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Finishing Machine (Road Type); Environmental Burner; Fireman (Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Hoist (Tugger, Automatic); Grout Pump; Jeep Digger; Lift Slab Machine; Mulcher; Power Subgrader; Pump (3 Inch or Over) or Well Points; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Screw or Gypsum Pumps; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Stump Chipper; Tining or Curing Machine; Trencher (Wheel Type or Chain Type Having 8-Inch Bucket & Under); Winches & A-Frames. Future Increase(s): Add \$1.05/hr on 6/2/2014; Add \$1.55/hr on 6/1/2015. Premium Increase(s): Add \$.25/hr for operating tower crane.	35.11	19.45	54.56
525	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, or Tractor Mounted, Towed & Light Equipment); Crusher, Screening or Wash Plant; Farm or Industrial Type Tractor; Fireman (Asphalt Plant NOT Performing Work on the Great Lakes); Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Loading Machine (Conveyor); Post Hole Digger or Driver; Refrigeration Plant or Freeze Machine; Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack.	30.19	20.94	51.13
526	Boiler (Temporary Heat); Forklift; Greaser; Oiler.	24.19	17.89	42.08
527	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	38.80	18.98	57.78
528	Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator; Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder.	38.80	18.98	57.78
529	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	34.50	18.98	53.48
530	Work Performed on the Great Lakes Including Deck Equipment Operator; Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under), Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY.	34.50	18.98	53.48

AIRPORT PAVEMENT OR STATE HIGHWAY CONSTRUCTION

Includes all airport projects (excluding buildings) and all projects awarded by the Wisconsin Department of Transportation (excluding buildings).

SKILLED TRADES

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
103	Bricklayer, Blocklayer or Stonemason	32.01	17.35	49.36
105	Carpenter	30.48	15.90	46.38
107	Cement Finisher Future Increase(s): Add \$1.87 on 6/1/14; Add \$1.87 on 6/1/15; Add \$1.75 on 6/1/16. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.40/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.	33.51	16.13	49.64
109	Electrician Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	34.07	19.25	53.32
111	Fence Erector	24.72	0.00	24.72
116	Ironworker	31.25	19.46	50.71
118	Line Constructor (Electrical)	38.25	17.31	55.56
124	Painter	21.87	11.37	33.24
125	Pavement Marking Operator	30.00	0.00	30.00
126	Piledriver	30.98	15.90	46.88
133	Roofer or Waterproofor	29.40	6.25	35.65
137	Teledata Technician or Installer	21.89	11.85	33.74
143	Tuckpointer, Caulker or Cleaner	35.25	13.15	48.40
144	Underwater Diver (Except on Great Lakes)	34.48	15.90	50.38
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	34.43	15.24	49.67
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	35.50	15.89	51.39

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	\$	\$	\$
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	26.78	13.63	40.41
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	24.86	12.97	37.83
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	12.70	34.45
TRUCK DRIVERS				

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	\$	\$	\$
201	Single Axle or Two Axle	34.22	19.90	54.12
203	Three or More Axle Future Increase(s): Add \$1.30/hr on 6/1/2014. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	24.52	17.77	42.29
204	Articulated, Euclid, Dumptor, Off Road Material Hauler Future Increase(s): Add \$1.75/hr on 6/1/14; Add \$1.25/hr on 6/1/15; Add \$1.30/hr on 6/1/16; Add \$1.25/hr on 6/1/17. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm .	29.27	20.40	49.67
205	Pavement Marking Vehicle	23.31	17.13	40.44
206	Shadow or Pilot Vehicle	34.22	19.90	54.12
207	Truck Mechanic	23.31	17.13	40.44

LABORERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
301	General Laborer Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Increase(s): Add \$.10/hr for topman, air tool operator, vibrator or tamper operator (mechanical hand operated), chain saw operator and demolition burning torch laborer; Add \$.15/hr for bituminous worker (raker and luteman), formsetter (curb, sidewalk and pavement) and strike off man; Add \$.20/hr for blaster and powderman; Add \$.25/hr for bottomman; Add \$.35/hr for line and grade specialist; Add \$.45/hr for pipelayer. / DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).	29.32	14.63	43.95
302	Asbestos Abatement Worker	24.36	14.44	38.80
303	Landscaper Future Increase(s): Add \$1.60/hr on 6/1/14. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).	29.32	14.63	43.95
304	Flagperson or Traffic Control Person Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.	25.67	14.63	40.30
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	18.31	12.67	30.98
314	Railroad Track Laborer	23.46	3.30	26.76

**HEAVY EQUIPMENT OPERATORS
AIRPORT PAVEMENT OR STATE HIGHWAY CONSTRUCTION**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	\$	\$	\$
531	Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Traveling Crane (Bridge Type). Future Increase(s): Add \$1.75/hr on 6/1/2014; Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm .	36.72	20.40	57.12
532	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With A Lifting Capacity Of 4,000 Lbs., & Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver. Future Increase(s): Add \$1.75/hr on 6/1/2014; Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm .	36.22	20.40	56.62

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
533	<p>Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Automatic Subgrader (Concrete); Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Bituminous (Asphalt) Plant & Paver, Screed; Boatmen (NOT Performing Work on the Great Lakes); Boring Machine (Directional, Horizontal or Vertical); Bridge (Bidwell) Paver; Bulldozer or Endloader; Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches & A-Frames.</p> <p>Future Increase(s): Add \$1.75/hr on 6/1/2014; Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm.</p>	35.72	20.40	56.12

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
534	<p>Belting, Burlap, Texturing Machine; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Asphalt Plant, Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Hoist (Tugger, Automatic); Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler; Tining or Curing Machine.</p> <p>Future Increase(s): Add \$1.75/hr on 6/1/2014; Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm.</p>	35.46	20.40	55.86
535	<p>Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Concrete Proportioning Plant; Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack.</p> <p>Future Increase(s): Add \$1.75/hr on 6/1/2014; Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm.</p>	35.17	20.40	55.57
536	Fiber Optic Cable Equipment.	26.69	16.65	43.34
537	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	38.80	18.98	57.78
538	Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator; Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder.	38.80	18.98	57.78

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
539	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	34.50	18.98	53.48
540	Work Performed on the Great Lakes Including Deck Equipment Operator, Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under); Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks-Great Lakes ONLY.	34.50	18.98	53.48

LOCAL STREET OR MISCELLANEOUS PAVING CONSTRUCTION

Includes roads, streets, alleys, trails, bridges, paths, racetracks, parking lots and driveways (except residential or agricultural), public sidewalks or other similar projects (excluding projects awarded by the Wisconsin Department of Transportation).

SKILLED TRADES

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	\$	\$	\$
103	Bricklayer, Blocklayer or Stonemason	32.01	17.35	49.36
105	Carpenter	32.93	19.93	52.86
107	Cement Finisher	31.48	15.68	47.16
109	Electrician	31.27	22.81	54.08
111	Fence Erector	24.72	0.00	24.72
116	Ironworker	31.25	19.46	50.71
118	Line Constructor (Electrical)	38.25	17.31	55.56
124	Painter	24.50	16.60	41.10
125	Pavement Marking Operator	30.00	0.00	30.00
126	Piledriver	30.98	15.90	46.88
133	Roofer or Waterproofing	29.40	6.25	35.65
137	Teledata Technician or Installer	21.89	11.85	33.74
143	Tuckpointer, Caulker or Cleaner	35.25	13.15	48.40
144	Underwater Diver (Except on Great Lakes)	38.80	18.98	57.78
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	34.43	15.24	49.67
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	30.60	14.86	45.46
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	26.78	13.63	40.41
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	24.86	12.97	37.83
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	12.70	34.45

TRUCK DRIVERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	\$	\$	\$
201	Single Axle or Two Axle	30.00	15.00	45.00

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	\$	\$	\$
203	Three or More Axle	17.00	0.00	17.00
204	Articulated, Euclid, Dumptor, Off Road Material Hauler	32.89	18.96	51.85
205	Pavement Marking Vehicle	17.00	0.00	17.00
206	Shadow or Pilot Vehicle	30.00	15.00	45.00
207	Truck Mechanic	17.00	0.00	17.00

LABORERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	\$	\$	\$
301	General Laborer	28.07	13.25	41.32
303	Landscaper Future Increase(s): Add \$1.60/hr on 6/1/14. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).	29.04	14.63	43.67
304	Flagperson or Traffic Control Person	24.70	10.72	35.42
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	18.31	12.67	30.98
314	Railroad Track Laborer	23.46	3.30	26.76

**HEAVY EQUIPMENT OPERATORS
CONCRETE PAVEMENT OR BRIDGE WORK**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	\$	\$	\$
541	Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic. Future Increase(s): Add \$1.75/hr on 6/1/2014; Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm .	36.72	20.40	57.12
542	Backhoe (Track Type) Having a Mfr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity of 4,000 Lbs. & Under; Crane, Tower Crane Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver. Future Increase(s): Add \$1.75/hr on 6/1/2014; Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm .	36.22	20.40	56.62

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
543	<p>Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Automatic Subgrader (Concrete); Backhoe (Track Type) Having a Mfr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Boring Machine (Directional, Horizontal or Vertical); Bridge (Bidwell) Paver; Bulldozer or Endloader; Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manhoist; Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches & A-Frames.</p> <p>Future Increase(s): Add \$1.75/hr on 6/1/2014; Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtml.</p>	35.72	20.40	56.12
544	<p>Backfiller; Belting, Burlap, Texturing Machine; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler; Tining or Curing Machine.</p>	33.96	19.79	53.75
545	<p>Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Concrete Proportioning Plant; Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack.</p>	30.32	18.46	48.78
546	Fiber Optic Cable Equipment.	26.69	16.65	43.34

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
547	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	38.80	18.98	57.78
548	Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator; Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder.	38.80	18.98	57.78
549	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or more); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	34.50	18.98	53.48
550	Work Performed on the Great Lakes Including Deck Equipment Operator; Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under); Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY.	34.50	18.98	53.48

**HEAVY EQUIPMENT OPERATORS
ASPHALT PAVEMENT OR OTHER WORK**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
551	Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self Erecting Tower Crane With a Lifting Capacity of Over 4,000 Lbs., Crane With Boom Dollies; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads and/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic.	35.12	18.46	53.58
552	Backhoe (Track Type) Having a Mfr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity Of 4,000 Lbs. & Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver. Future Increase(s): Add \$1.75/hr on 6/1/2014; Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm .	36.22	20.40	56.62

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
553	Air, Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Bituminous (Asphalt) Plant & Paver, Screed; Boring Machine (Directional, Horizontal or Vertical); Bulldozer or Endloader; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Laser/Screed; Concrete Slipform Placer Curb & Gutter Machine; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manhoist; Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Railroad Track Rail Leveling Machine, Tie Placer, Extractor, Tamper, Stone Leveler or Rehabilitation Equipment; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches & A-Frames.	32.89	18.96	51.85
554	Backfiller; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Asphalt Plant, Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Hoist (Tugger, Automatic); Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Self-Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler.	33.67	19.48	53.15
555	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$1.75/hr on 6/1/2014; Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm .	35.17	20.40	55.57
556	Fiber Optic Cable Equipment.	26.69	16.65	43.34

RESIDENTIAL OR AGRICULTURAL CONSTRUCTION

Includes single family houses or apartment buildings of no more than four (4) stories in height and all buildings, structures or facilities that are primarily used for agricultural or farming purposes, excluding commercial buildings. For classification purposes, the exterior height of a residential building, in terms of stories, is the primary consideration. All incidental items such as site work, driveways, parking lots, private sidewalks, private septic systems or sewer and water laterals connected to a public system and swimming pools are included within this definition. Residential buildings of five (5) stories and above are NOT included within this definition.

SKILLED TRADES

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
101	Acoustic Ceiling Tile Installer Future Increase(s): Add \$1.25/hr on 6/2/2014.	33.68	19.81	53.49
102	Boilermaker	26.00	4.73	30.73
103	Bricklayer, Blocklayer or Stonemason	32.01	13.26	45.27
104	Cabinet Installer	22.00	1.05	23.05
105	Carpenter	30.48	3.24	33.72
106	Carpet Layer or Soft Floor Coverer	23.68	3.20	26.88
107	Cement Finisher	20.93	5.94	26.87
108	Drywall Taper or Finisher	22.50	0.88	23.38
109	Electrician	27.50	7.47	34.97
110	Elevator Constructor	42.86	23.84	66.70
111	Fence Erector	18.52	4.89	23.41
112	Fire Sprinkler Fitter	52.82	5.54	58.36
113	Glazier	38.03	13.42	51.45
114	Heat or Frost Insulator	30.00	0.00	30.00
115	Insulator (Batt or Blown)	19.00	14.33	33.33
116	Ironworker	31.25	19.46	50.71
117	Lather	30.48	3.24	33.72
119	Marble Finisher	26.89	19.18	46.07
120	Marble Mason	32.01	13.26	45.27
121	Metal Building Erector	17.00	3.82	20.82
123	Overhead Door Installer	12.00	0.00	12.00
124	Painter	20.00	4.22	24.22

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	\$	\$	\$
125	Pavement Marking Operator	30.00	0.00	30.00
129	Plasterer	25.00	0.00	25.00
130	Plumber	30.00	10.62	40.62
132	Refrigeration Mechanic	19.75	8.56	28.31
133	Roofer or Waterproofer	17.00	3.72	20.72
134	Sheet Metal Worker	21.03	3.40	24.43
135	Steamfitter	31.72	16.10	47.82
137	Teledata Technician or Installer	24.75	8.09	32.84
138	Temperature Control Installer	22.50	0.70	23.20
139	Terrazzo Finisher	26.89	19.18	46.07
140	Terrazzo Mechanic	30.20	18.42	48.62
141	Tile Finisher	23.77	16.50	40.27
142	Tile Setter	21.00	0.00	21.00
143	Tuckpointer, Caulker or Cleaner	32.50	3.21	35.71
146	Well Driller or Pump Installer	27.60	5.80	33.40
147	Siding Installer	20.18	0.00	20.18

TRUCK DRIVERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	\$	\$	\$
201	Single Axle or Two Axle	28.05	4.16	32.21
203	Three or More Axle	18.00	2.37	20.37
205	Pavement Marking Vehicle	18.00	2.37	20.37
207	Truck Mechanic	19.00	1.85	20.85

LABORERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	\$	\$	\$
301	General Laborer	18.14	10.16	28.30
302	Asbestos Abatement Worker	17.00	3.86	20.86

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
303	Landscaper	30.00	0.00	30.00
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	18.31	12.67	30.98
315	Final Construction Clean-Up Worker	16.00	0.00	16.00

**HEAVY EQUIPMENT OPERATORS
RESIDENTIAL OR AGRICULTURAL CONSTRUCTION**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
557	Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Backhoe (Track Type); Backhoe (Mini, 15,000 Lbs. & Under); Bituminous (Asphalt) Plant & Paver, Screed; Boring Machine (Directional, Horizontal or Vertical); Bulldozer or Endloader; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Crane, Shovel, Dragline, Clamshells; Forestry Equipment, Timberco, Tree Shear, Tub Grinder, Processor; Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manhoist; Material or Stack Hoist; Mechanic or Welder; Milling Machine; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Trencher (Wheel Type or Chain Type); Winches & A-Frames.	29.70	20.08	49.78
558	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Backfiller; Belting, Burlap, Texturing Machine; Boiler (Temporary Heat); Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Farm or Industrial Type Tractor; Forklift; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Jeep Digger; Lift Slab Machine; Mulcher; Oiler; Post Hole Digger or Driver; Power Subgrader; Pump (3 Inch or Over) or Well Points; Robotic Tool Carrier (With or Without Attachments); Rock, Stone Breaker; Roller (Rubber Tire, 5 Tons or Under); Screed (Milling Machine); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Stump Chipper; Telehandler; Vibratory Hammer or Extractor, Power Pack.	29.70	16.00	45.70

***** END OF RATES *****