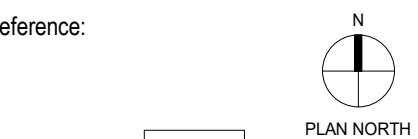


GENERAL PLAN NOTES

1. DIMENSIONS ARE TO FINISHED FACE OF WALL.
2. ALL WALLS TO UNDERSIDE OF STRUCTURE UNLESS OTHERWISE INDICATED.
3. DOOR JAMBS TO BE 4" FROM ADJACENT WALLS UNLESS OTHERWISE INDICATED.
4. FOR ANY WORK IN EXISTING BUILDING, PATCH ALL DISTURBED WALLS, FLOORS AND CEILINGS TO MATCH SURROUNDING MATERIALS AND FINISHES.
5. FURNITURE SHOWN IN PLAN NOT IN CONTRACT.
6. FIELD VERIFY DIMENSIONS OF EXISTING WALLS.

GENERAL DEMOLITION NOTES

- | EXISTING WALLS TO REMAIN | |
|--------------------------|--|
| ===== | ITEMS FOR DEMOLITION |
| CONSTRUCTION LIMITS | |
| | GENERAL CONTRACTOR SHALL PROTECT AREAS ADJACENT TO PROJECT CONSTRUCTION ANY AND ALL DAMAGE IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SHALL BE REPAIRED OR REPLACED TO MATCH EXISTING. |
| 2. | THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE INTERIM STORAGE OF ALL EQUIPMENT AND FIXTURES SUCH AS: TOILET, ROOM ACCESSORIES, CORNER GUARDS, BUMPER GUARDS, FIRE EXTINGUISHERS, AND FIRE EXTINGUISHER CABINETS. SAVE FOR POSSIBLE REUSE/RELOCATION. |
| | ADDITIONAL DEMOLITION REMOVAL OR REFINISHING INFORMATION MAY ALSO BE FOUND ON THE NEW CONSTRUCTION PLANS. |
| 4. | ALL EXISTING CONDITIONS SHALL BE REMOVED AS REQUIRED TO ACCOMMODATE PROPOSED CONSTRUCTION WHETHER OR NOT NOTED ON DEMOLITION DRAWINGS. |
| 5. | FIELD VERIFY THAT PARTITIONS SCHEDULED FOR REMOVAL ARE NOT STRUCTURAL AND CONTAIN NO LOAD BEARING ELEMENTS. IF ANY CONFLICTS OCCUR, CONTACT THE ARCHITECT IMMEDIATELY. |
| 6. | SEE MECHANICAL, ELECTRICAL, PLUMBING & NEW CONSTRUCTION PLANS FOR ADDITIONAL DEMOLITION, REMOVAL OR REFINISHING INFORMATION, CUT OUT LOCATIONS, INFILL AND PATCHING OF FLOORS AND WALLS. EXISTING FIXTURES AND EQUIPMENT THAT ARE REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER. IF SAID FIXTURES AND EQUIPMENT IS NOT DESIRED BY OWNER, IT SHOULD BE DISPOSED. |
| 8. | DEMOLITION AROUND COLUMNS AND OF FIRE RATED ENCLOSURES SHOULD BE VERIFIED BY THE ARCHITECT. |
| 9. | ALL DIMENSIONS GIVEN ON DEMOLITION DRAWINGS ARE TO BE FIELD VERIFIED AND COORDINATED AGAINST NEW CONSTRUCTION PLANS. REMOVE EXISTING FLOORING, ADHESIVE & BASE THROUGHOUT CONSTRUCTION LIMITS. MAINTAIN A CLEAR SURFACE READY TO RECEIVE NEW FLOOR FINISH MATERIALS. |
| 11. | REMOVE EXISTING CEILINGS, SOFFITS AND CEILING MOUNTED EQUIPMENT WHERE NEW CEILING FINISHES ARE SPECIFIED. |



ROCK COUNTY
COURTHOUSE
ROCK COUNTY FACILITIES
MCMT

51 S MAIN STREET
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DEMOLITION PLANS AND FLOOR PLANS

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Graphic Scale	
Project Number	210105.00
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1. SEE ROOM FINISH SCHEDULE, SHEET A401, FOR ADDITIONAL INFORMATION ON CEILING MATERIAL TYPES.
2. SEE ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPES, LOCATIONS AND OTHER DEVICES.
3. SEE MECHANICAL DRAWINGS FOR SUPPLY AND RETURN GRILLE TYPES AND LOCATIONS.
4. FOR ADDITIONAL WALL REINFORCING SEE STRUCTURAL DRAWINGS AND SECURITY PLAN KEY.
5. SEE WALL TYPES, SHEET A100, FOR ACTUAL WALL THICKNESS AND TYPES.
6. SEE CODE REVIEW SHEET G100 FOR ADDITIONAL WALL CONSTRUCTION REQUIREMENTS.
7. ALL WALLS FROM CONCRETE FLOOR TO UNDERSIDE OF FLOOR OR ROOF STRUCTURE ABOVE UNLESS OTHERWISE INDICATED.
8. SEE FIRE PROTECTION DRAWINGS FOR FIRE PROTECTION SPRINKLER HEAD LOCATIONS, TYPES AND SYSTEMS.

ACT-2
24" X 48" ACOUSTICAL LAY-IN
CEILING TILE

GWB-1
GYPSUM BOARD CEILING

LIGHT FIXTURE

STRIP FIXTURE

DOWNLIGHT FIXTURE

**SURFACE MOUNTED LIGHT
FIXTURE**

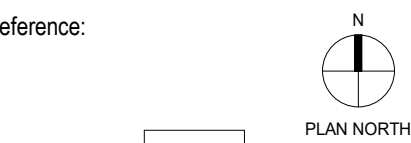
SPRINKLER HEAD - PENDANT

CONCEALED SPRINKLER HEAD

SPRINKLER HEAD - UPRIGHT

SUPPLY GRILLE

RETURN/EXHAUST

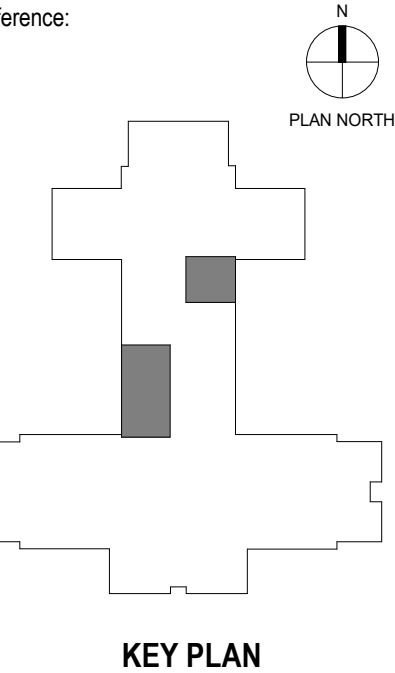


51 S MAIN STREET
JANESVILLE, WI 53545

REFLECTED CEILING PLANS

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Graphic Scale	
Project Number	210105.00
Set Type	BID SET
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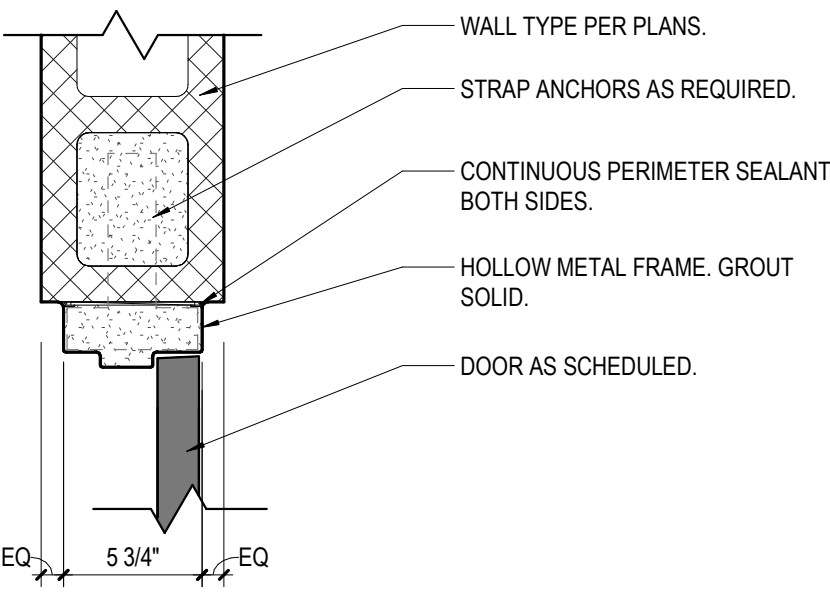
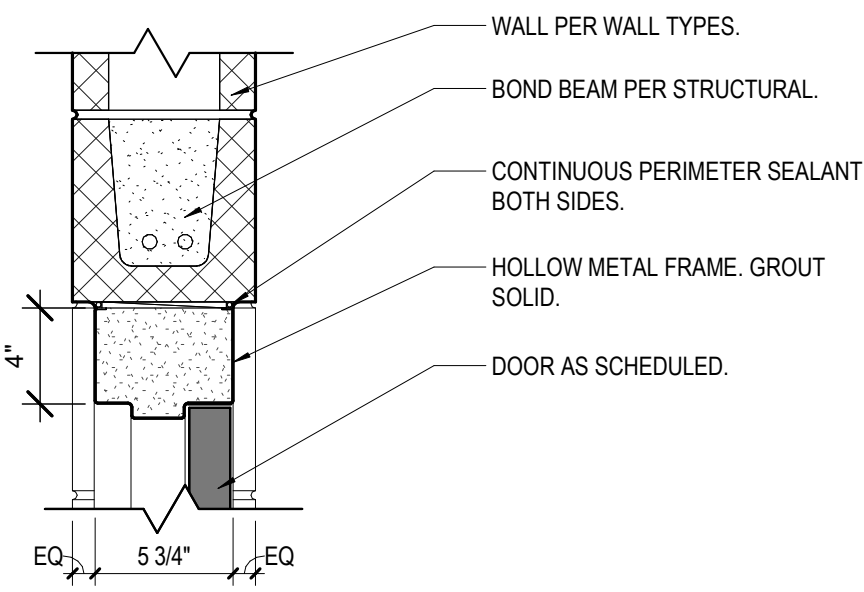
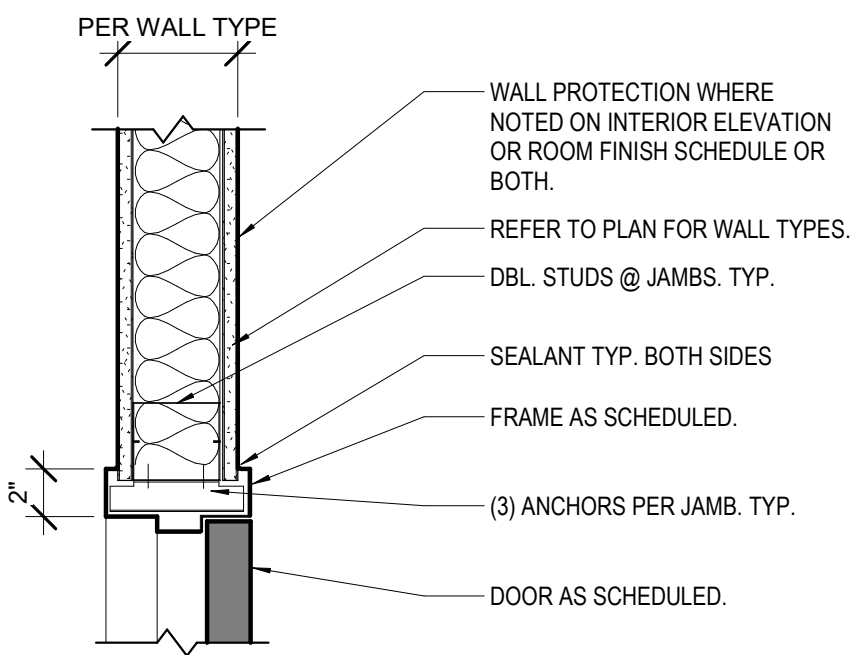
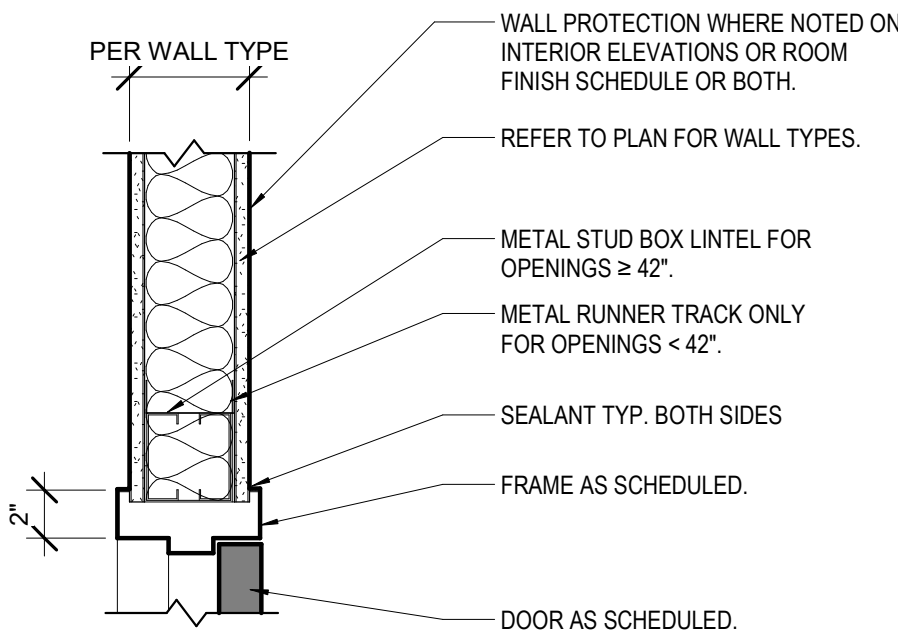
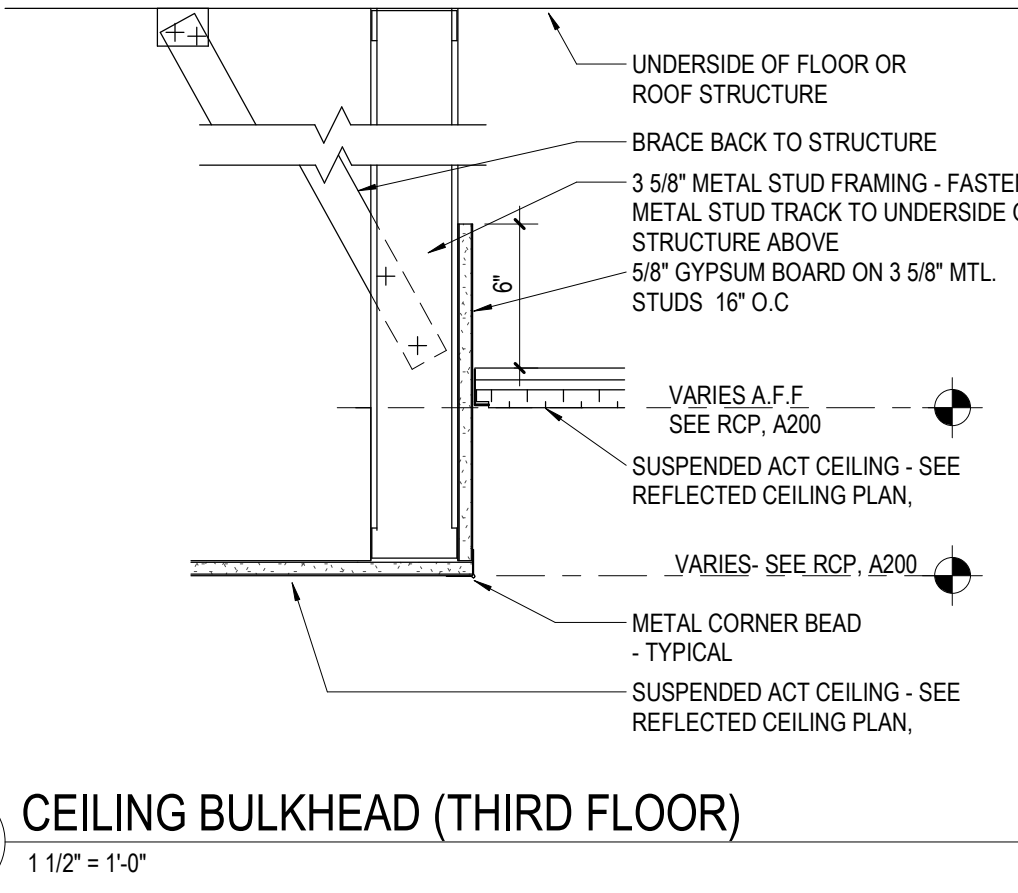
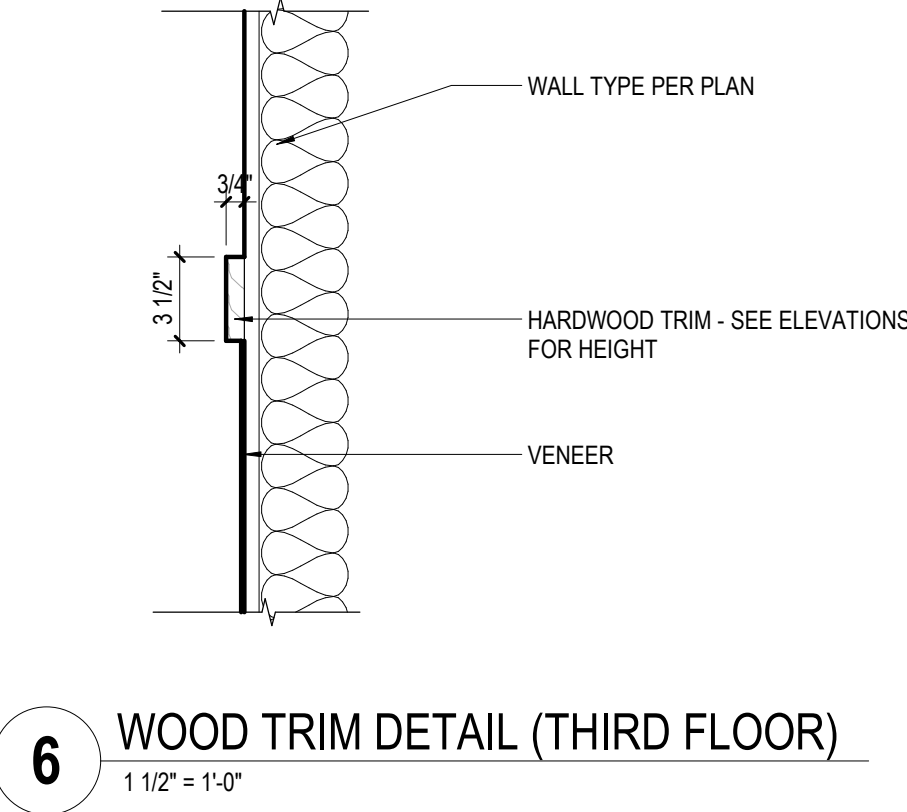
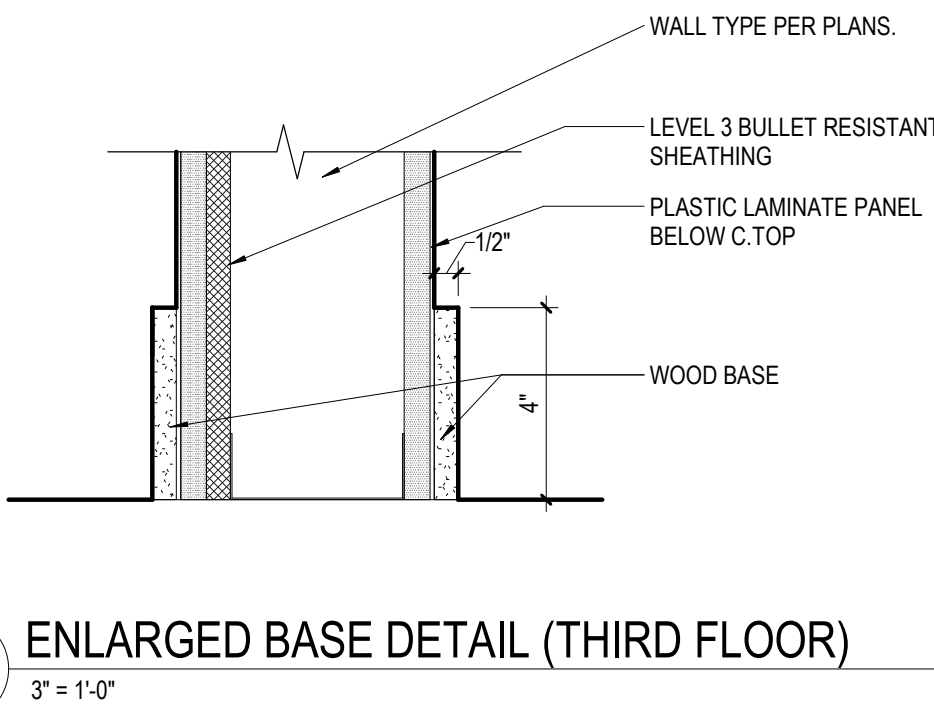
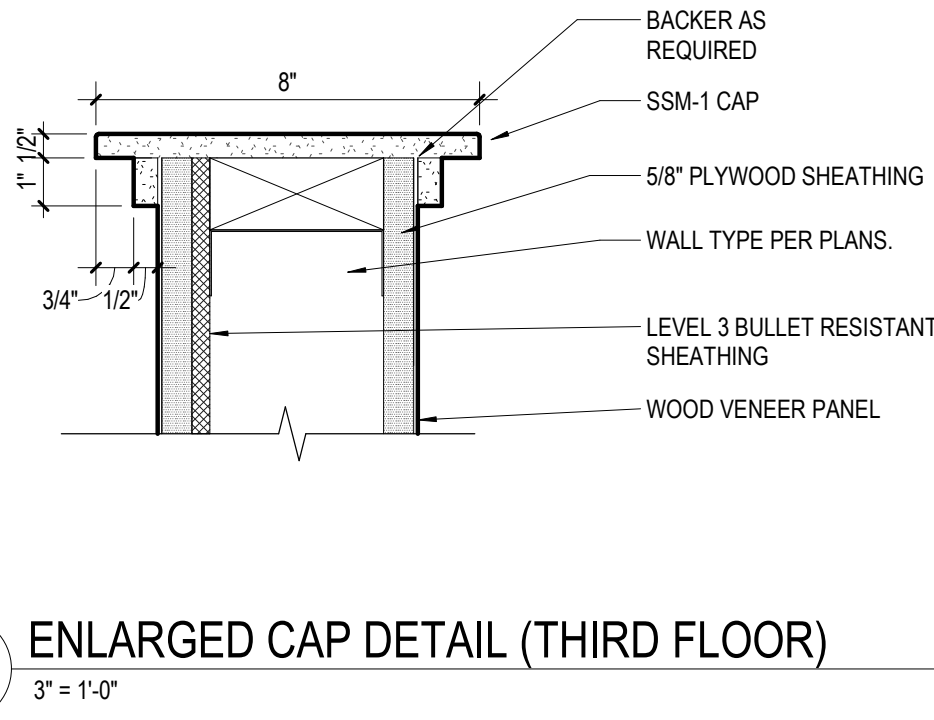
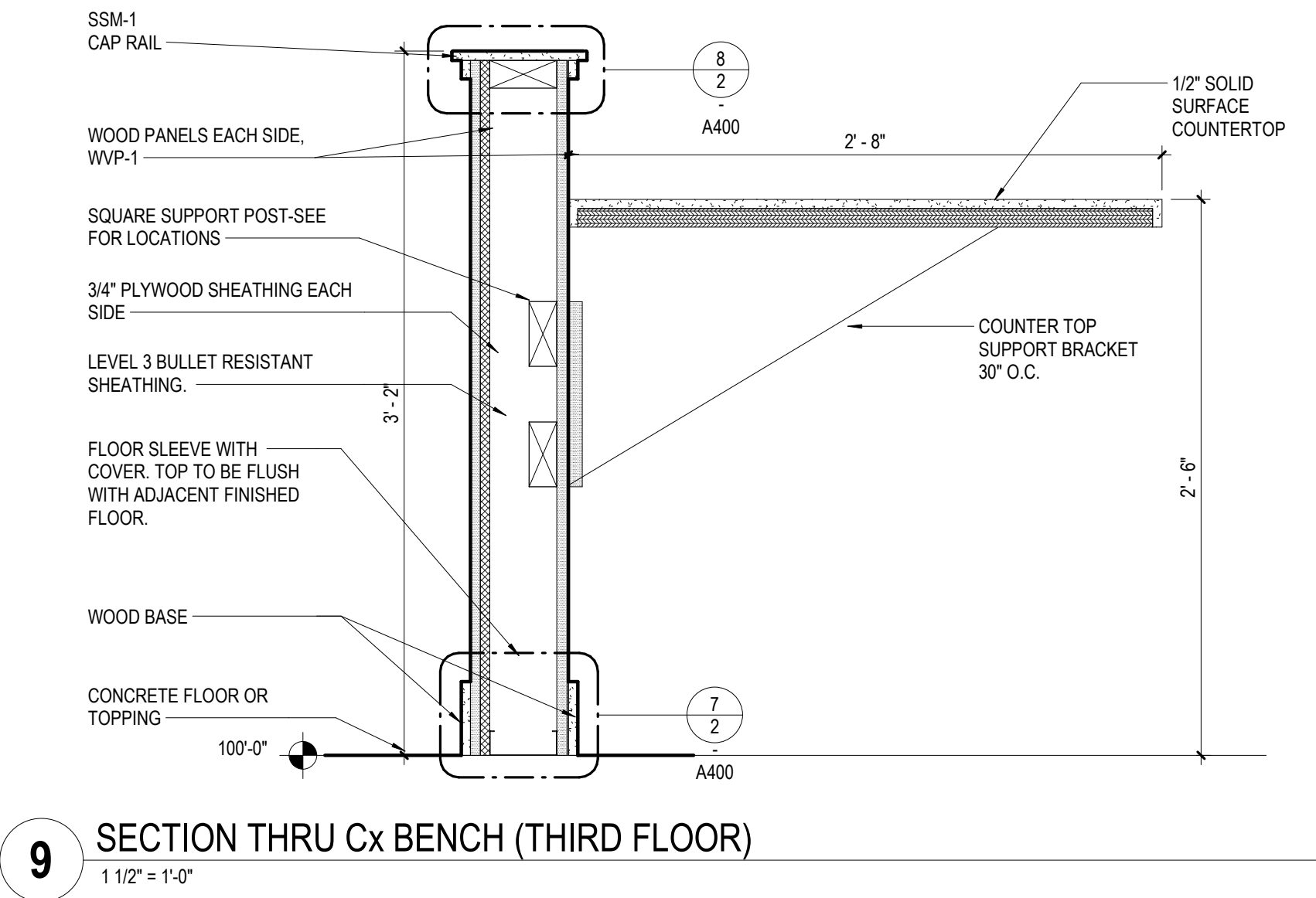
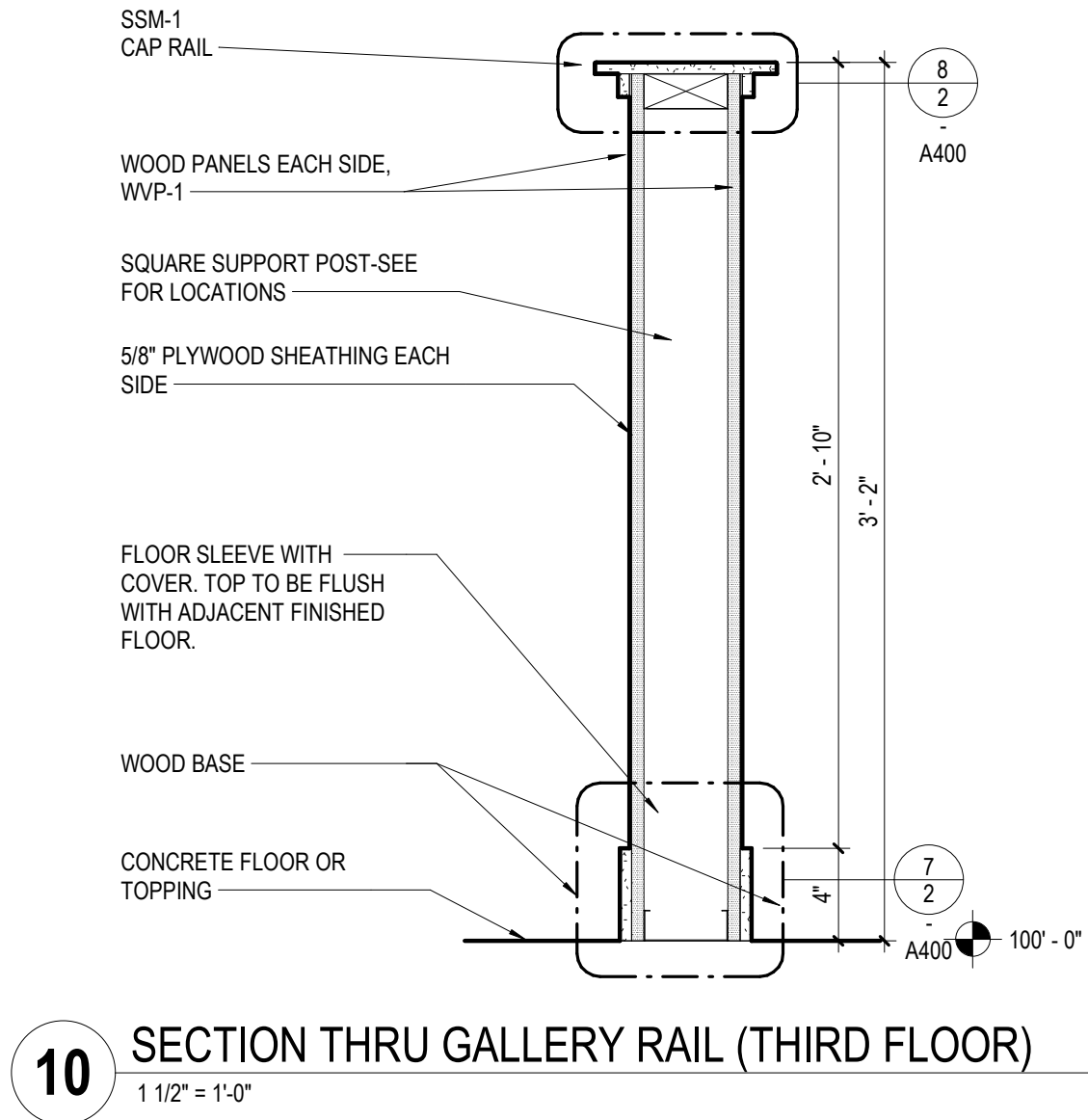
ROCK COUNTY
COURTHOUSE
ROCK COUNTY FACILITIES
MGMT

51 S MAIN STREET
JANESVILLE, WI 53545

Sheet Title
DETAILS

Revisions:		
No.	Date:	Description:

Graphic Scale	
Project Number	210105.00
Set Type	BID SET
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4 HM DOOR HEAD (THIRD FLOOR)
1 1/2" = 1'-0"

3 HM DOOR JAMB AT GWB (THIRD FLOOR)
1 1/2" = 1'-0"

2 HM HEAD 4" @ CMU (THIRD FLOOR)
1 1/2" = 1'-0"

1 HMU DOOR JAMB AT CMU (THIRD FLOOR)
1 1/2" = 1'-0"

ELECTRICAL DRAWINGS ARE BASED ON THE BEST INFORMATION AVAILABLE. FOR AREAS BEING REMODELED, WORK SHOWN REFLECTS INFORMATION SHOWN ON AS-BUILT PLANS AND FIELD OBSERVATION; IT IS NOT GUARANTEED 100% ACCURATE. THE CONTRACTOR SHALL FIELD VERIFY ALL INFORMATION AND MAKE NECESSARY ADJUSTMENTS WITHOUT EXTRA COSTS TO THE PROJECT TO SUIT ACTUAL NEEDS.

2. THE CONTRACTOR SHALL REWIRE/REROUTE/RELOCATE, AS REQUIRED DUE TO CONSTRUCTION, ALL EXISTING CIRCUITS AND EQUIPMENT WHICH ARE TO CONTINUE IN OPERATION.

3. MAINTAIN THE INTEGRITY OF ALL SYSTEMS AFFECTED BY THE REMOVAL OR ADDITION OF ELECTRICAL DEVICES AND CONTROLS IN REMODELED AREAS.

4. ALL ELECTRICAL PANELS SHALL REMAIN IN PLACE AS IS.

5. PROVIDE COMPLETE UPDATED DIRECTORIES FOR ALL PANELS AND SWITCHBOARD AFFECTED BY CONSTRUCTION.

6. CIRCUITS INDICATED TO BE REMOVED TO DENOTE WHICH DEVICES/FIXTURES ARE TO BE WIRED TO A COMMON CIRCUIT BREAKER, AND NOT ITS POSITION IN THE PANEL. UTILIZE RELIEVED/SPARE CIRCUIT BREAKER MOUNTING SPACES, PROVIDE CIRCUIT BREAKERS AS REQUIRED. REBALANCE LOADS BETWEEN PHASES (MAX. 7.5%) UPON COMPLETION OF WIRING.

7. NEW LIGHTS SHALL BE WIRED TO THE NEAREST AVAILABLE UNSWITCHED LIGHTING CIRCUIT SERVING THE AREA THAT EXIT LIGHT IS INSTALLED.

8. OCCUPANCY SENSOR LOCATIONS SHOWN ON DRAWINGS ARE DIAGRAMMATIC ONLY. ACTUAL LOCATION SHALL BE DETERMINED AT SITE PER MANUFACTURER'S RECOMMENDATIONS AND LAYOUT. PROVIDE MINIMUM 4" O" FLEX CONDUIT/WIRES SO THAT THE SENSOR CAN BE FIELD ADJUSTED FOR PROPER COVERAGE DURING FIRE TESTING. THE TRAINED FACTORY PERSONNEL SHALL PERFORM THE FINAL TIME SETTINGS AND TESTING.

9. ALL EXISTING DEVICES WHICH ARE TO REMAIN AND ARE LOCATED ON NEW FURRED OUT WALLS SHALL BE PROVIDED WITH APPROPRIATE EXTENSION RINGS. REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFIC WALLS.

10. ALL EXISTING DEVICES WHICH ARE NOT SHOWN ON THESE DRAWINGS OR DIRECTED BY A/E SHALL BE REMOVED.

11. EXISTING RECEPTACLES WHICH WOULD BE RENDERED INACCESSIBLE, DUE TO THE PLACEMENT OF NEW CASEWORK, SHALL BE RELOCATED TO THE KICK PLATE OF THE CASEWORK, OR OTHERWISE RELOCATED SUCH THAT RECEPTACLES ARE ACCESSIBLE.

12. ALL NEW DEVICES AND COVER PLATES SHALL MATCH EXISTING UNLESS OTHERWISE DIRECTED BY A/E.

13. ALL REMOVED DEVICES AND NOT REPLACED IN ANY WAY EXPOSING AN EMPTY BACK BOX, THE CONTRACTOR SHALL PROVIDE A STAINLESS STEEL COVER PLATE.

14. ELECTRICAL RACEWAYS SHALL BE CONCEALED IN CEILING CAVITY OR IN WALLS WHERE POSSIBLE. OTHERWISE RACEWAY SHALL BE EXPOSED WIREMOLD TYPE, 200, 500 OR 700 AS NECESSARY TO ACCOMMODATE WIRES.

15. ELECTRICAL RACEWAYS SHALL BE CONCEALED IN CEILING CAVITY OR IN WALLS. EXPOSED RACEWAYS ARE NOT ACCEPTABLE UNLESS SPECIFICALLY INDICATED AND APPROVED BY THE A/E.

16. WALL MOUNTED SPEAKERS, FIRE ALARM DEVICES, ETC. SHALL BE RELOCATED AS NECESSARY TO ACCOMMODATE NEW CEILING HEIGHTS.

17. INCLUDE FISH WIRE IN ALL NON-POWER CONDUITS.

18. VERIFY EXIST LOCATION OF LIGHTING FIXTURES IN THE FIELD TO AVOID CONFLICT WITH MECHANICAL EQUIPMENT, DUCT WORK, AND VES.

19. IN LOCATIONS WHERE RE-ROUTING OR EXTENDING OF AN EXISTING CIRCUIT IS INDICATED ON THE PLANS, THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CIRCUIT HAS ENOUGH CAPACITY TO HANDLE THE ADDITIONAL LOAD. IF REQUIRED CAPACITY DOES NOT EXIST, THE CONTRACTOR SHALL EXTEND A NEW CIRCUIT TO FEED THE NEW EQUIPMENT. NO MORE THAN 6 DUPLEX RECEPTACLES SHALL BE ON ONE CIRCUIT.

20. REMOVE AND REPLACE EXISTING CEILING TILE REQUIRED FOR INSTALLATION OF CONDUITS AND CABLES. COORDINATE ALL WORK WITH THE GENERAL CONTRACTOR, FIRE AND/OR SMOKE RATINGS OF WALLS, FLOORS AND CEILINGS SHALL BE MAINTAINED. IF THE INTEGRITY IS SACRIFICED THEN THE BARRIER SHALL BE REPAIRED TO ITS ORIGINAL RATING. ALL PENETRATIONS SHALL BE PROPERLY SEALED.

21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING AND AIMING ALL FIXTURES TO THE OPTIMUM DISTRIBUTION AND OWNER'S SATISFACTION.

22. COORDINATE CABLE TYPES AND INSTALLATIONS FOR WORK ABOVE CEILING WITH OWNER AND/OR PLUMBER VS. NON-PLUMBER LITING OF CEILING SPACE. INSTALLATION SHALL FOLLOW GUIDELINES FOR RATINGS OF CEILING CAVITY.

23. THE CONTRACTOR SHALL NOTE THAT THE EXISTING BUILDING WILL REMAIN IN SERVICE DURING CONSTRUCTION. AREAS OF THE BUILDING WILL BE VACATED AS REQUIRED TO FACILITATE CONSTRUCTION. PROCEED WITH THE COMPLETION OF THE WORK IN SUCH A MANNER AS TO BE AS ACCEPTABLE AS TO TIME AND DURATION. ALL SHUTDOWNS SHALL BE COORDINATED WITH OWNER 2 WEEKS IN ADVANCE. ALL EXISTING SYSTEMS BEING MODIFIED SHALL BE OPERABLE WHEN CONTRACTOR MODIFYING THE SYSTEM IS NOT ON-SITE.

24. THE CONTRACTOR SHALL DO THE NECESSARY DEMOLITION WORK IN THE AFFECTED AREAS INCLUDING RE-ROUTING OF EXISTING ELECTRICAL WIRING, ACCESSIBLE CONDUIT, AND ELECTRICAL EQUIPMENT. IN ADDITION, PRECEDING DEMOLITION WORK, HE SHALL DE-ENERGIZE ALL CIRCUITS IN THE AFFECTED AREAS AND WHERE WIRING IS ROUTED THROUGH THESE AREAS SERVING AREAS OF THE BUILDING REMAINING IN SERVICE. PROVIDE TEMPORARY AND/OR PERMANENT WIRING AS REQUIRED. ALSO, PROVIDE THE NECESSARY TO MAINTAIN RINGS IN OTHER AREAS. PROVIDE NECESSARY, AND REQUIRE, SOURCES OF POWER AND TEMPORARY WIRING. REMOVE ALL CONDUIT AND WIRING OF EQUIPMENT BEING REMOVED AND/OR ABANDONED BACK TO SOURCE. REMOVE ALL LOW-VOLTAGE CABLES NOT BEING REUSED.

25. SEE DEMOLITION DRAWINGS OF OTHER TRADES. THIS CONTRACTOR IS RESPONSIBLE FOR DISCONNECTION, REMOVAL AND RE-ROUTING OF EXISTING ELECTRICAL WORK. JUNCTION BOXES INSTALLED IN EXTERIOR WALLS SHALL NOT PENETRATE THE VAPOR BARRIER. IF THE INTEGRITY IS SACRIFICED THEN THE BARRIER SHALL BE REPAIRED TO ITS ORIGINAL RATING.

26. ANY EXISTING CODE VIOLATIONS CONCEALED DURING PRE-BID WORK THROUGH SHALL BE BROUGHT TO A/E'S ATTENTION AND DISPOSITION. ANY EXISTING CODE VIOLATIONS EXPOSED TO VIEW SHALL BE THE RESPONSIBILITY OF THE E.C. TO CORRECT AT NO ADDITIONAL CHARGE TO OWNER.

27. PLASTIC TIE WRAPS SHALL NOT BE USED TO SUPPORT ANY RACEWAYS OR OPEN AIR WIRING.

28. FIRE ALARM DEVICES MAY BE SHOWN OFF CENTERED SO THAT ROOM NAMES AND NUMBERS ARE VISIBLE. CONTRACTOR SHALL CENTER THESE DEVICES IN THE ROOMS ACCORDINGLY.

GENERAL

A. The Contractor shall provide all labor and materials to affect a complete electrical installation in accordance with the plans and specifications.

B. All work shall be in accordance with local, state, International Building, and National Electrical Codes.

C. All equipment shall be new and UL listed for the intended purpose.

D. The Contractor shall apply for all permits and pay all fees.

E. The electrical contractor shall submit a Bill of Material and shop drawings upon request of the A/E.

F. The Contractor shall conduct final tests to demonstrate compliance with plans and specifications. Owner shall be present for demonstration of all special systems.

G. All work shall be guaranteed for one year after date of final acceptance.

H. All electrical equipment shall be indexed. Provide nameplates describing panel name, usage, voltage, phase, # of wires, and equipment. Update existing and new panel directories (typed, not free hand) where affected by work.

I. Cutting, Patching and Refinishing: The Contractor shall provide all openings in new and existing construction except where noted on the plans. The Contractor shall caulk and seal all penetrations and do all patching and refinishing of existing surfaces.

J. Definitions:

1. A/E: Architect and/or Engineer

2. Provide: Furnished, wired and connected by the Contractor.

3. Contractor: The person or group responsible for project construction.

K. Demolition, Renovation and Disposition of Existing Equipment:

1. All work required in the existing building shall be done in a manner and time acceptable to the Owner and shall be acceptable as to time and duration.

2. Existing electrical equipment not otherwise noted, or in conflict with construction, shall be removed and/or relocated as indicated on the drawings, as directed or required. Remove all electrical equipment released from service as a result of construction, and no equipment removed shall be reused except as specifically directed on the drawings or elsewhere herein. All electrical equipment, apparatus and hardware removed and not reused, and not retained by the Owner, shall become the property of the contractor and shall be removed from the site.

3. Any existing circuits or equipment not shown on the drawings and which are logically expected to be continued in service, and which may be interrupted or disturbed during construction, shall be reconnected in an approved manner. In addition, any existing circuit or equipment which may require relocation or rerouting as a result of construction shall be considered a part of the work of this branch and shall be done by the Contractor with no additional compensation.

4. The Contractor shall do the necessary work in the affected areas including the removal of lighting fixtures, lamps, wiring devices, wiring and electrical equipment. In addition, and preceding demolition work, de-energize all circuits in the affected areas where wiring is routed through these areas serving areas of the building remaining in service, provide temporary and/or permanent wiring as required. Also, where necessary to maintain service in other areas, provide necessary and required sources of power and temporary work.

L. Shop Drawings and Maintenance Manuals:

1. All shop drawings when submitted shall bear the contractor's name, date and approval. Shop drawings will not be reviewed by the A/E if this requirement is not met.

2. Shop drawings shall be submitted electronically in pdf format with an index sheet describing contents therein.

M. Warranty:

1. The Contractor, in full knowledge of requirements of the contract documents relative to electrical work, guarantees that the electrical installation has been done in accordance with the requirements. Additionally, the Contractor shall maintain, remedy and/or replace at his expense any work or materials which may become defective within one year from date of substantial completion, provided such defects are not due to "Acts of God," or abuse/misuse by agents of the owner.

2. **RACEWAY**

A. Raceway shall be concealed wherever possible.

B. Use rigid steel or intermediate metal conduit, or EMT 1/2" minimum for all conduit above grade or concrete. Use flexible metal conduit, liquid tight and greenfield where required.

C. Conduit installed in concrete or underground shall be heavy wall schedule 40 PVC. Install no conduit larger than 3/4" in floor slab.

D. Seal conduits that run through different temperature or atmospheric conditions to prevent condensation or moisture from entering electrical equipment and devices.

E. Install wall entrance seal where conduits or direct burial conductors pass through foundation walls below grade.

F. Couplings, connectors and fittings shall be standard devices to properly attach conduit to outlet boxes, panel enclosures, all steel, rain tight, and concrete type, specifically designed for the application and bearing the UL label.

G. Outlet boxes shall be 4" square minimum, 2-1/2" deep unless noted otherwise.

H. Exterior underground conduit shall be heavy wall Schedule 40 PVC.

1. Underground conduit runs which enter or exit the building envelope shall utilize rigid conduit from the point of penetration of the building envelope and the next portion of the run in direct contact with the earth. Exterior underground conduit shall be buried at a depth of not less than 30 IN below grade. Provide conduits or ducts terminating below grade with means to prevent entry of dirt or moisture. Underground conduits shall slope 1/8" per foot for proper drainage. Conduits shall drain toward manholes and junction boxes, not the electrical equipment.

3. **CONDUCTOR**

A. All conductors shall be stranded copper with Types TW, THHN or THW (No. 12 and larger) 600 volt insulation.

4. **NOT USED.**

5. **WIRING DEVICES**

A. Verily color of all devices and faceplates with Architect. Adjustment in color shall be made in the field without additional compensation.

B. Local Switches:

1. Hubbell 1221, 1223, 1224 series with single pole, three-way and four-way, as required.

2. Override Switch: Hubbell 1556 momentary contact, three position, center off.

C. **Receptacles:**

1. In general: All receptacles shall be rated for the capacity and characteristics of the equipment served and shall be complete with one additional pole for grounding.

a) 15 Amp 125 Volt Duplex: Hubbell 5252.

b) 20 Amp 125 Volt Duplex: Hubbell 5352.

2. All connections to wiring devices must be made by the binding screws only.

3. Mounting height:

a) Receptacles: 18" up

b) Switches: 48" up

4. c) Receptacles Above Counters: 6" up above counter

1. ALL NETWORK CABLE TO BE CAT 6 PLENUM "BLUE" IN COLOR.
2. NETWORK CABLE TO TERMINATE IN EXISTING FOURTH FLOOR TELECOMMUNICATIONS ROOM.
3. NETWORK CABLE SHALL TERMINATE ON NEW 48 PORT MODULAR PATCH PANEL IN "COUNTY" DATA RACK. COORDINATE LOCATION WITH OWNER ON SITE. EXISTING PANELS CAN BE USED IF AVAILABLE.
4. MATCH TYPE AND COLOR OF EXISTING JACKS USED ON SITE. ALSO MATCH LABELING SCHEME CURRENTLY BEING USED.
5. NETWORK CABLE TO BE SUPPORTED EVERY 4' WITH J-HOOK ROUTES ABOVE SUSPENDED CEILINGS AND WITH MINIMUM 3" CONDUIT WHERE EXPOSED.
6. ALL WORKSTATIONS SHALL BE PIPED WITH 1" CONDUIT STUBS WITH 4 SQUARE BOX / MUD RING.
7. NETWORK CABLE TO BE TESTED WITH A LEVEL IN METER WITH SUPPORTING DOCUMENTATION OF CALIBRATION. CALIBRATION DATES MUST NOT BE OLDER THAN 1 YEAR. ALL TESTS MUST BE VERIFIED AS CORRECT BY THE PROJECT MANAGER. RECORD ALL TESTS IN PROJECT FILE. RECALIBRATION OF CABLES PASSING BY MANUFACTURER OR LABOR MALFUNCTION.
8. ALL ROOM SLEEVES SHALL BE MINIMUM SIZE OF 3/4" AND MADE OF METAL ENT. ALL SLEEVES SHALL BE FIRE STOPPED. LARGER SIZE WHERE REQUIRED FOR MULTIPLE CABLES PER CODE.
9. NETWORK LOCATIONS SHALL SUPPORT THE FOLLOWING DEVICES BUT NOT LIMITED TO: PRINTERS, PHONES, COMPUTERS, CLOCKS, CAMERAS, WIRELESS ACCESS POINTS, TV MONITORS.
10. PROVIDE (2) CAT 6 NETWORK PATCH CORDS FOR EVERY NETWORK CABLE INSTALLED. VERY COLOR AND LENGTH PRIOR TO ORDER. USE (1) 4' AND (1) 7' FOR BIDDING PURPOSES. CUSTOMER TO INSTALL CORDS.
11. COAXIAL CABLE FOR TV LOCATIONS WILL BE REQUIRED. CONTRACTOR TO USE PLENUM RATED RG6 CABLE FROM TV OUTLET TO TELECOMMUNICATIONS ROOM. CONTRACTOR TO TERMINATE TV END WITH COMPRESSION TYPE F CONNECTION AND LEAVE THE TR END COILED WITH SUFFICIENT LENGTH TO LAND AT SPLITTER AREA. COORDINATE WITH OWNER ON SITE. OWNER AV CONTACT TO TERMINATE AND ATTACH TO TV DISTRIBUTION SYSTEM. ALL COAXIAL WIRES TO BE TESTED FOR CONTINUITY, SHORTS AND OPENS BETWEEN MAIN CONDUCTOR AND SHIELD.

1. In general: P&S p-line smooth thermostat plastic.

2. Unfinished areas: Satin Stainless Steel with plate screws of similar material, Sierra Type 302.

3. Weatherproof: Of type indicated by symbol on the drawings with Hubbell GF5362, 20 amp 125 volt ground fault receptacle with while-in-use metal cover Intermatic WP series.

E. Occupancy sensors:

1. PIR Sensor: Include isolated relay and power pack. Wattstopper CI-Series or approved equal.

2. Dual Technology Occupancy Sensor: Combination passive infrared and ultrasonic detection (dual technology). Mounts on a ceiling bracket with a swivel unit. Include isolated relay and power pack. Wattstopper DT-Series or approved equal.

3. Sensitivity Test: After the sensor has been energized for at least 15 minutes, walk to the middle of the room (if conference room) or sit at the normal desk position (if an office). Make no motion for 20 seconds. Move one arm up and down slowly. The test/LED should blink.

4. Time Delay Test: Set the time delay for 10 minutes. Walk into the room to activate the sensor, then leave room. Sensor must turn lights off at approximately 10 minutes.

5. Install sensors within rooms in accordance with furniture and shelving layout. Infrared sensors shall be placed where they will have a direct line of sight to the occupied areas.

6. Ultrasonic sensors shall not be placed immediately adjacent to HVAC diffusers. High velocity air movement may result in nuisance tripping of sensor.

7. Submit a Lighting Plan marked by manufacturer showing the location, orientation and model number of all occupancy sensors and power packs. Provide interconnecting wire diagrams and catalog cut sheets of all occupancy sensors and power packs.

6. LIGHTING FIXTURES AND LAMPS

A. Provide fixtures complete with initial fill of lamps as scheduled.

B. Refer to Lighting Fixture Schedule on plans.

C. Fluorescent Ballasts:

1. Unless otherwise indicated in the Lighting Fixture Schedule, ballasts for fluorescent lamps shall be electronic, rapid-start, high-frequency, full-output type. Ballasts shall be UL listed, ETL certified, Class P, and have an A sound rating. Electronic ballasts shall have less than 10% total harmonic distortion, and a third-harmonic distortion less than 10%.

2. Compact Fluorescent Ballasts shall be equipped with an internal, automatic resetting thermal cutout device. Ballasts shall be Class P, and shall be equipped with a ballast shutdown circuit for protection of the ballast at the end of lamp life.

3. Ballasts shall have a minimum ballast factor of 0.85, a minimum power factor of 0.9, a maximum lamp current crest factor of 1.7, and shall be low-inrush type.

D. Recessed, incandescent fixtures shall include thermal cut-off protection in accordance with code wherever application dictates.

E. LED LIGHTING

1. The manufacturer offering this item must have produced at least 1000 (one thousand) identical or similar models to that being tendered.

2. The manufacturer of the LED lighting fixture shall utilize high-brightness LEDs.

3. Light output of the luminaire shall be the absolute photometry following IESNA LM-79 requirements and guidelines.

4. Lumen maintenance of the LEDs (sources, arrays, modules) shall be reported following IESNA LM-80 requirements and guidelines.

5. Luminaire Color Rendering Index (CRI) shall be a minimum of 70 for exterior fixtures, and a minimum of 80 for interior fixtures.

6. The LED lighting fixture shall be thermally designed so as not to exceed the maximum junction temperature of the LED for the ambient temperature of the location the fixture is to be installed.

7. The luminaire shall maintain 70% lumen output (L70) for a minimum of 50,000 hours at 25 degrees C for exterior locations and conditioned interior locations, and 40 degrees C for unconditioned interior locations.

8. The luminaires shall have a verifiable one hundred (100) hour burn in time at the factory.

9. The luminaire shall be mercury-free, lead-free and RoHS compliant.

10. The luminaire shall be certified by a Nationally Recognized Testing Laboratory (UL, ETL, IEC) as listed by OSHA.

11. LED driver shall have a minimum power factor of 0.9.

12. Electrical components of the LED lighting fixture (LED light engine/board array and driver[s]) shall be of modular construction so that each component is individually replaceable in the field for maintenance and repair purposes. Wiring connecting these components shall utilize quick disconnects.

13. The LED lighting fixture shall carry a limited 5-year warranty minimum for LED light engine(s)/board array, and driver(s).

14. LED driver shall be a Dimming Constant Current (DCC) driver, operating at (380/525/750)mA drive current maximum.

15. LED driver shall be compatible with dimming control as specified. Refer to control specification.

16. LED luminaire, driver, and controls shall be submitted for review at the same time to ensure compatibility.

17. All LED fixtures when submitted for review shall include the "Lighting Facts" sheet.

F. The Contractor shall verify ceiling construction prior to ordering fixtures.

G. All compact fluorescent ballasts shall be electronic with ballast shutdown circuit for protection of the ballast at the end of lamp life, unless noted otherwise.

7. SPECIAL PURPOSE OUTLETS

A. Special Purpose outlet shall be located as required by equipment. The Contractor shall be responsible for verifying electrical characteristics of the actual equipment being furnished for the project prior to installation of outlets. The Contractor shall verify that all materials are provided for a complete electrical installation.

8. FIRE ALARM SYSTEM

General:

a. Furnish all labor, materials, tools, equipment and services for the horn/strobe fire alarm system as indicated, in accordance with provisions of Contract Documents.

b. Furnish and Install Fire Alarm System devices to the existing system as described herein and as shown on the plans; to be wired, connected, and left in first class operating condition.

c. All wiring shall be run in red conduit.

d. Furnish and install cabling as directed by the manufacturer.

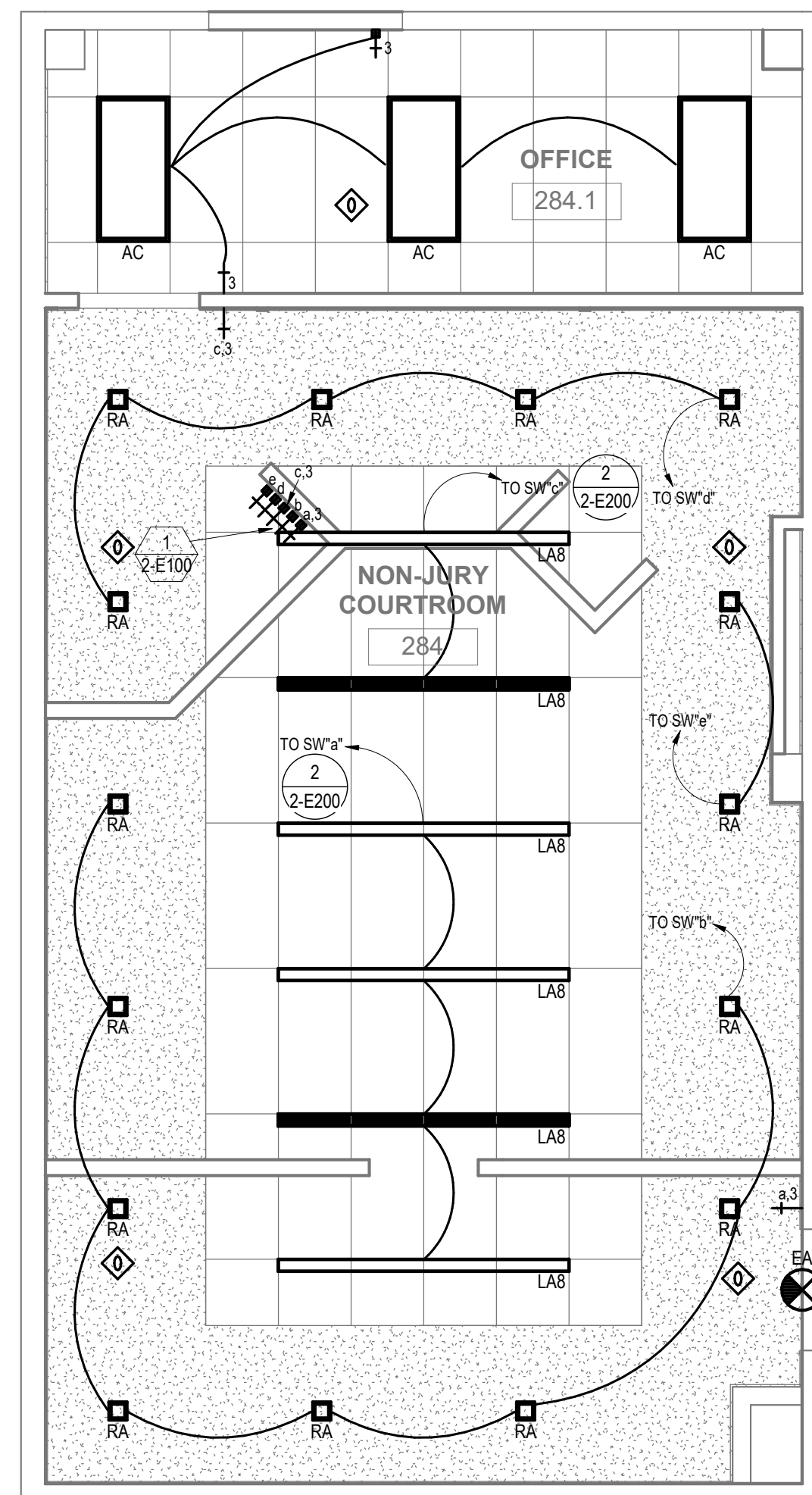
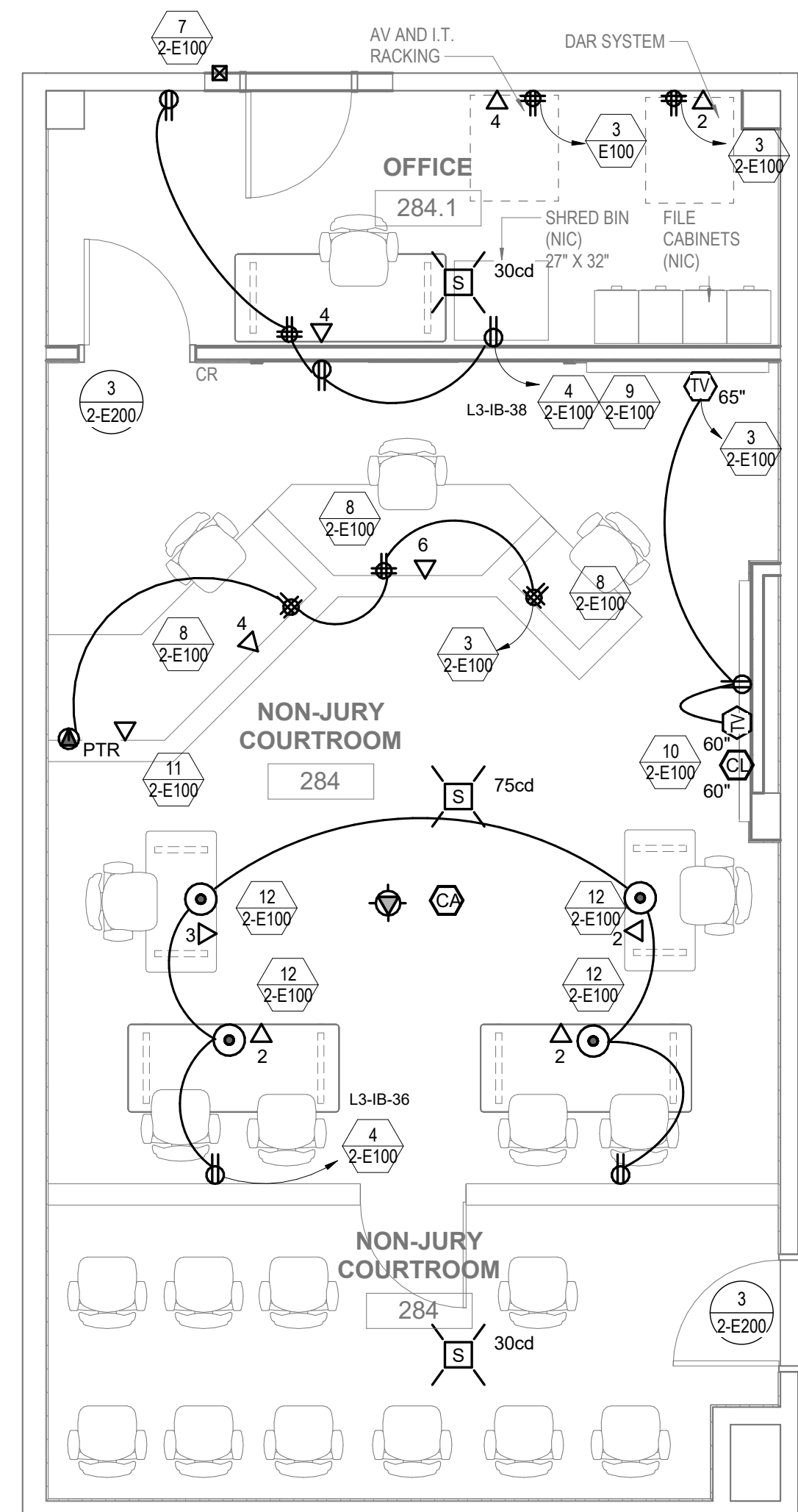
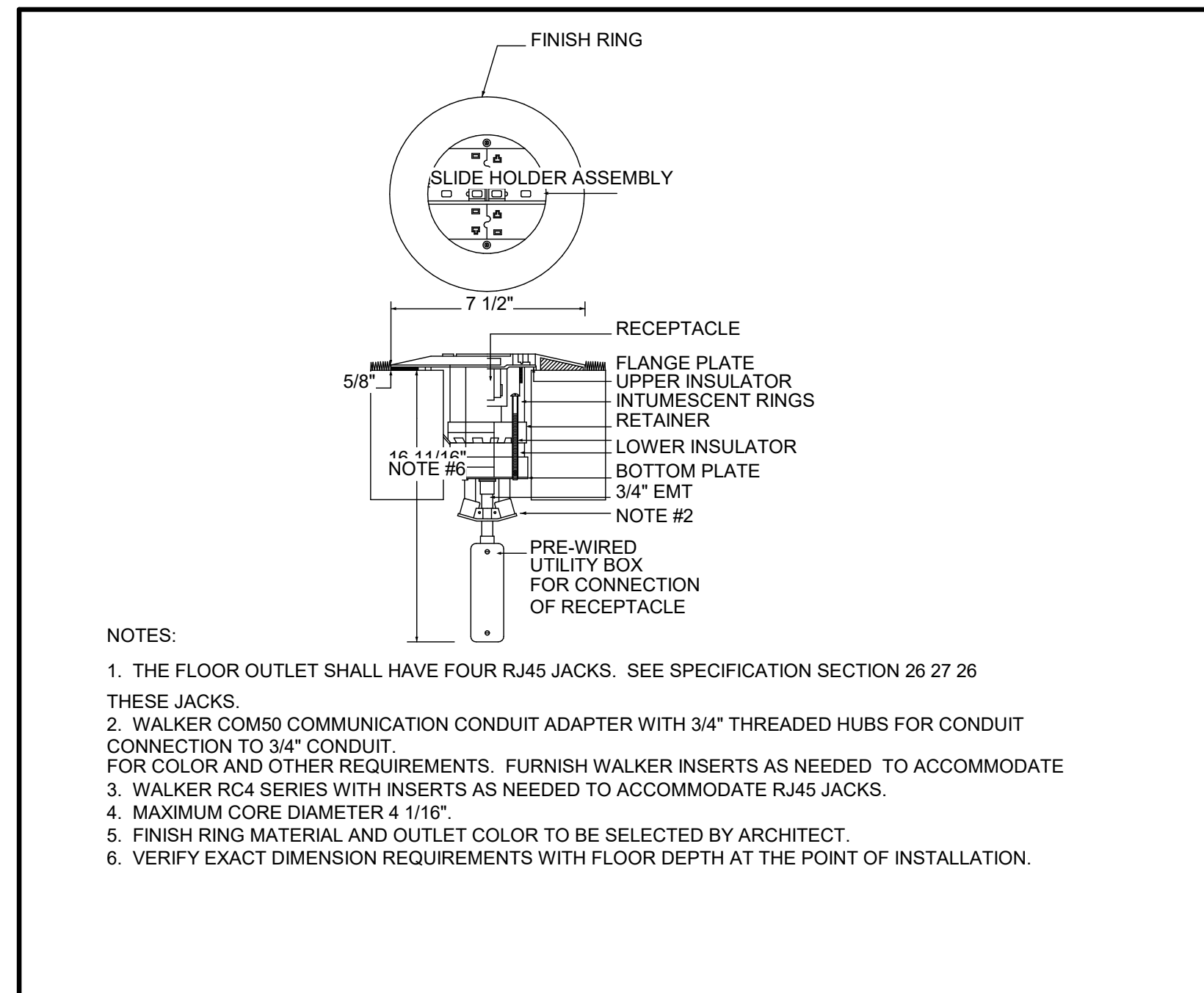
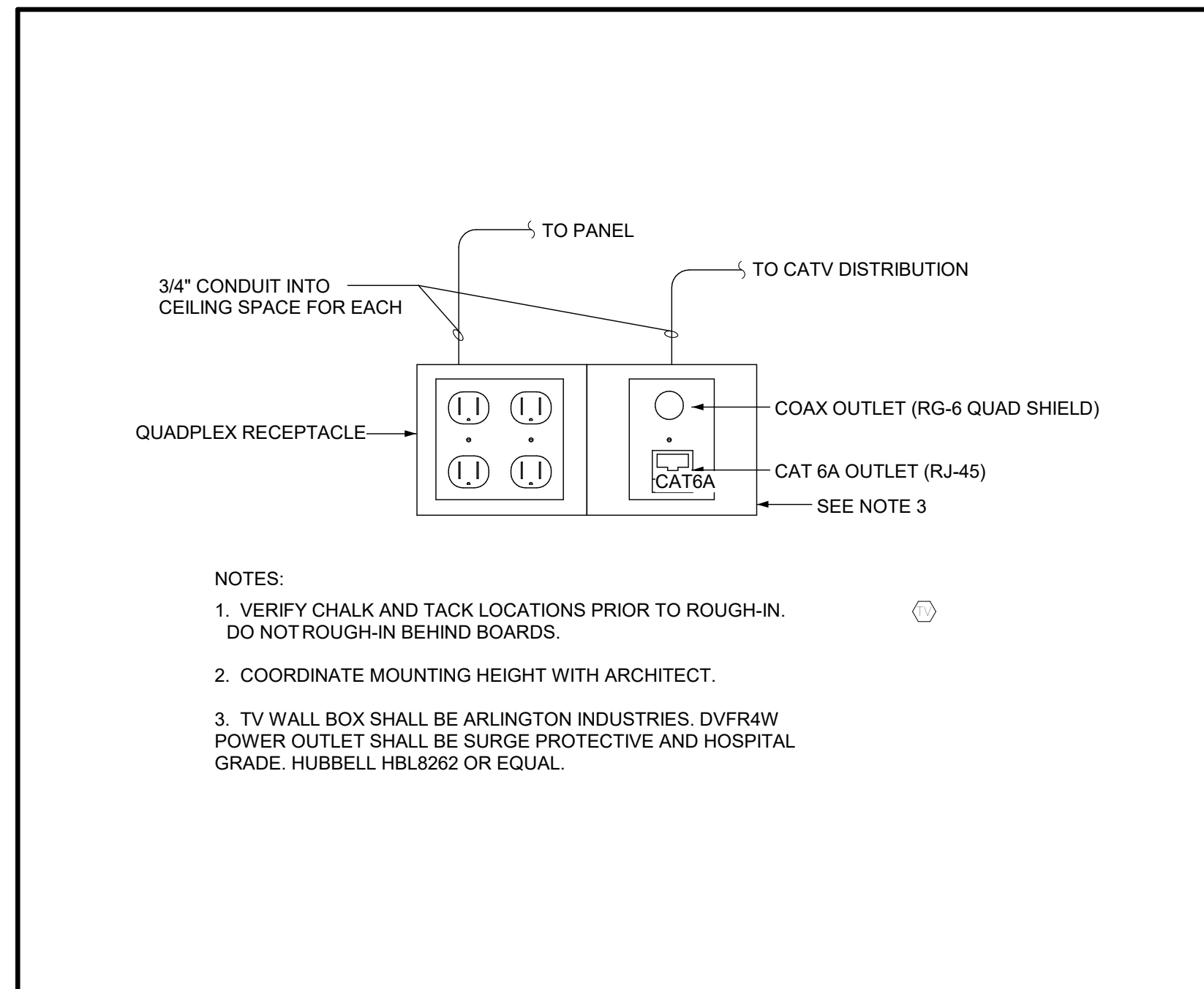
9. BIDDING PROCEDURES

A. Base Bid:

1. Base Bid shall include all labor required and all materials and equipment as shown on the contract drawings and heretofore specified.

2. Base Bid shall not include any conditions or qualifying statements, shall be in strict accordance with specification requirements and shall be based upon the installation of materials and equipment as specified.

[illegible]



- PLAN NOTES:**

 - LOCATE SWITCHES IN BENCH PARTITION BETWEEN CLERK AND JUDGE (ON CLERK'S SIDE OF PARTITION); COORDINATE CONDUIT/WIRE ROUTING WITH BENCH VENDOR/INSTALLER. SWITCHES SHALL BE PLACED UNDER A SINGLE/Common COVERPLATE; VERIFY COVERPLATE FINISH WITH ARCHITECT PRIOR TO ORDERING. VERIFY EXACT MOUNTING LOCATION WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
 - BOTTOM OF FIXTURE SHALL LINE UP WITH BOTTOM OF PERIMETER SOFFIT AT APPROXIMATELY 12'-0" AFF. EACH FIXTURE SHALL BE PROVIDED WITH (2) CIRCUITS. (1) FOR THE DOWNLIGHT AND (1) FOR THE UPLIGHT; ONLY THE DOWNLIGHT PORTION SHALL BE WIRED TO THE GENERATOR FOR EMERGENCY EGRESS OPERATION.
 - CIRCUIT TO EXISTING PANEL "EL3-1B" LOCATED ON THE FLOOR ABOVE. REMOVE 50A/2P CIRCUIT BREAKER AND PROVIDE (2) NEW 20A/1P BREAKERS * CUTLER HAMMER, PRL-1, 225A, 208Y/120V, 3ø, 4W, DATED 9/96.
 - THIS PANEL IS LOCATED IN THE ELECTRICAL CLOSET ON THE FLOOR ABOVE. PROVIDE A NEW 20A/1P CIRCUIT BREAKER. CUTLER HAMMER, PRL-1, 225A, 208Y/120V, 3ø, 4W, DATED 9/96.
 - NOT USED
 - NOT USED
 - 12"x12"x4" FLUSH MOUNTED J-BOX. TERMINATE COURTROOM AV CONDUITS FROM J-BOXES TO THIS LOCATION. PROVIDE (3) 2" CONDUITS FROM THIS LOCATION TO ACCESSIBLE CEILING.
 - 2G J-BOX OUTLET ON UNDERSIDE FACE OF DESK. ROUTE 1" CONDUIT FROM J-BOX TO PULL BOX AT AV EQUIPMENT RACK.
 - 2G J-BOX OUTLET MIN. 2.5" DEPTH AT 65" ROUTE (2) 1" CONDUIT FROM J-BOX TO ABOVE ACCESSIBLE CEILING IN STORAGE JUDGES OFFICE/CHAMBER.
 - 2G J-BOX OUTLET MIN. 2.5" DEPTH AT 65" ROUTE (2) 1" CONDUIT FROM J-BOX TO ABOVE ACCESSIBLE CEILING.
 - 1G J-BOX OUTLET. ROUTE 1" CONDUIT FROM J-BOX TO PULL BOX AT AV EQUIPMENT RACK.
 - FLOOR BOX WITH DEDICATED 1" CONDUIT TO AV EQUIPMENT RACK.

GENERAL NOTES:

1. E.C. SHALL PROPERLY DISCONNECT, REMOVE, AND TURN OVER TO THE OWNER ALL EXISTING LIGHTING FIXTURES AND ASSOCIATED CONTROLS AFFECTED BY THIS REMODEL. IF OWNER DOES NOT WANT ANY OF THESE ITEMS, E.C. SHALL PROPERLY DISPOSE OF THEM.
2. WIRE LOW VOLTAGE FIXTURES TO THE NEAREST AVAILABLE EXISTING LIGHTING CIRCUITS CURRENTLY SERVING THE AREA OF REMODEL. ALSO, WIRE SHADED FIXTURES TO THE NEAREST AVAILABLE GENERATOR EGRESS CIRCUITS CURRENTLY SERVING THE AREA OF REMODEL. PROVIDE UL624 TRANSFER RELAYS AS REQUIRED SO THAT EGRESS FIXTURES REMAIN CONTROLLABLE; REFER TO DETAIL 2/E200 FOR MORE INFORMATION.
3. VERIFY LOCATION OF "CL" AND "CA" WITH OWNER PRIOR TO INSTALL.
4. ALL WORK CABLES THIS SHEET GET WIRER TO 4TH FLOOR TELECOM ROOM. SEE OVERALL TELECOM SHEET FOR DETAILS.
5. CEILING MOUNTED FIRE ALARM DEVICES SHALL BE WHITE. COORDINATE FIRE ALARM WITH CEILING MOUNTED DEVICES. LIGHTING FIXTURES TAKE PRECEDENT FOR LOCATION. ADJUST CANDELA RATING AS NEEDED.

DESIGNATION	DESCRIPTION	LED DATA						VOLT	RECESS DEPTH	LIGHTING FIXTURE			DRIVER TYPE	MTG	MTG SURFACE	SEE NOTE
		TYPE	DELIVERED LUMEN	KELVIN	CRI	WATTS	UNV			MANUFACTURER	SERIES	OPTIONS/ACC ESSORIES				
AC	2x4 ARCHITECTURAL TROFFER	MODULE	4000	3500	80	32	UNV	2.375"	LITHONIA	2BLT/4/40L/ADS M/E/21 SERIES	28	DDRV	REC	LIG		
AD	2x4 ARCHITECTURAL TROFFER	MODULE	6000	3500	80	48	UNV	2.375"	LITHONIA	2BLT/4/60L/ADS M/E/21 SERIES	28	DDRV	REC	LIG		
EA	1-FACE EDGEUIT EXIT SIGN	MODULE	-	-	-	5	UNV	-	LITHONIA	EDGR31/EL/SD SERIES	10	DRV	REC	GYP		
LAB	2"APERx8"L RECESSED DIRECT	MODULE	800L/FT	3500	80	8W/FT	UNV	4.5"	MARK ARCHITECTURAL	SL2L/8FT/FLP/8 DOLMF/MN1/1ZT SERIES	10,28	DDRV	REC	LIG		
LC8	2"APERx8"L SUSPENDED DIRECT/INDIRECT, 2-CKTS	MODULE	600L/FT DN/600L/FT UP	3500	80	12W/FT	UNV	-	MARK ARCHITECTURAL	S2L2/8FT/600L MF/1600LMF/M N1/1ZT SERIES	10,28	DDRV	SUSP	LIG	17	
RA	4"SQUARE RECESSED DOWNLIGHT	MODULE	2500	3500	80	27W	UNV	6.5"	LITHONIA	LDN4SQ/25/LS 4/E/1 SERIES	10,28	DDRV	REC	GYP		

ABBREVIATIONS:									
EXP	EXPOSED STRUCTURE	REC	RECESSED	WM	WALL MOUNTED	STD	STANDARD	VAR	VARIES
LIG	LAY-IN GRID	SURF	SURFACE	GRD	GROUND	SPEC	SPECIAL	LA	LENGTH AS SHOWN
GYP	GYP/SUM BOARD	PEND	PENDANT	CONC	CONCRETE BASE	AS	AS REQUIRED	DRV	LED DRIVER
VER	VERIFY	AC	AIRCRAFT CABLE SUSP.	MTD	MOUNTED	NA	NOT APPLICABLE	DRVY	LED DIMMABLE DRIVER
OPTIONS/ACCESSORIES CODE LISTING:									
1.	0.125" PATTERN 12 ACRYLIC LENS	10.	STD. FINISH TO BE SELECTED BY ARCHITECT	21.	FURNISH w / LEAD CALCIUM BATTERY				
2.	0.156" PATTERN 19 ACRYLIC LENS	11.	CUSTOM COLOR	22.	FURNISH w / NICAD BATTERY				
3.	FLUSH STEEL DOOR FRAME	12.	FURNISH w / CHAIN HANGERS	23.	FURNISH w / SELF DIAGNOSTICS				
4.	FLUSH ALUMINUM DOOR FRAME	13.	FURNISH w / STEM/SWI/WEL CANOPY	24.	FURNISH w / LED DRIVER, NON-DIMMED				
5.	SEMI-SPECULAR REFLECTOR	14.	FURNISH w / AIRCRAFT CABLE	25.	FURNISH w / LED DRIVER, STEP-DIMMED				
6.	LOW IRIDESCENT REFLECTOR	15.	FURNISH w / NEMA HOOK, CORD & PLUG	26.	FURNISH w / LED DRIVER, DIMMABLE TO 10%				
7.	REFLECTOR MATCHING TRIM RING	16.	FURNISH w / SAFETY CHAIN	27.	FURNISH w / LED DRIVER, DIMMABLE TO 5%				
8.	DAMP LOCATION LISTED	17.	FURNISH w / WIREGUARD	28.	FURNISH w / LED DRIVER, DIMMABLE TO 1%				
9.	WET LOCATION LISTED	18.	FURNISH w / AUXILIARY EMERGENCY DRIVER	29.	FURNISH w / LED DRIVER, DIMMABLE TO 0.1%				
		19.	FURNISH w / INTEGRAL PHOTOCELL	30.	FURNISH w / PAINT AFTER FABRICATION				
		20.	FURNISH WITH UNIVERSAL ARROWS AND RED STENCIL FACE						

LIGHTING FIXTURE SCHEDULE NOTES:

NOTES LF1 - LF17 ARE GENERAL NOTES APPLICABLE TO ENTIRE LIGHTING FIXTURE SCHEDULE WHERE APPROPRIATE.

LF1 - PROVIDE ALL PAINTED FIXTURES WITH PAINT AFTER FABRICATION WITH POLYESTER PAINT

LF2 - PROVIDE ALL NECESSARY COMPONENTS AND ACCESSORIES FOR A COMPLETE OPERATING INSTALLATION PER APPLICABLE CODES AND MANUFACTURER'S RECOMMENDATIONS

LF3 - INCLUDE IN THE BASE BID THE COST FOR FURNISHING, INSTALLING, WIRING AND CONNECTING FOR A COMPLETE OPERATING INSTALLATION AN ADDITIONAL EXIT FIXTURE OF EACH TYPE SPECIFIED IN THE LIGHTING FIXTURE SCHEDULE.

LF4 - CONTRACTOR SHALL REVIEW THE ENTIRE LIGHTING FIXTURE SCHEDULE INCLUDING THE DESCRIPTION AND CATALOG NUMBER. CONTRACTOR SHALL NOTIFY THE A/E OF ANY DISCREPANCIES PRIOR TO BIDDING.

LF5 - VERIFY ALL FINISHES/COLORS OF FIXTURES WITH A/E PRIOR TO ORDERING

LF6 - CONTRACTOR SHALL VERIFY THAT THE FIXTURE INSTALLATION TYPE IS COMPATIBLE WITH CEILING CONSTRUCTION PRIOR TO INSTALLATION.

LF7 - FIELD VERIFY THE EXACT LOCATIONS OF THE LIGHTING FIXTURES TO AVOID CONFLICT WITH MECHANICAL EQUIPMENT, DUCTWORK, PIPES, STRUCTURAL MEMBERS, ARCHITECTURAL FEATURES, ETC. ANY CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE A/E PRIOR TO ROUGH IN.

F8 - IN ALL INSULATED CEILINGS, WALLS, AND WHERE RECESSED FIXTURES PENETRATE THE BUILDING ENVELOPE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AN AIRTIGHT INSTALLATION AND PROPER CLEARANCES BETWEEN RECESSED FIXTURES AND THE INSULATION. THIS CAN BE ACCOMPLISHED BY PROPER TENDING OR BOXING-OUT AROUND RECESSED FIXTURES THAT DO NOT HAVE IC RATINGS, OR REPLACEMENT OF THOSE FIXTURES WITH EQUAL FIXTURES HAVING PROPER IC AND AIRTIGHT RATINGS. REFER TO THE ARCHITECTURAL PLANS FOR APPLICABLE AREAS.

LF9 - IN ALL FIRE-RATED CEILINGS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE FIRE RATING. REFER TO ARCHITECTURAL PLANS FOR APPLICABLE AREAS.

LF10 - PROVIDE OCCUPANCY SENSORS AS SHOWN ON THE PLANS. REFER TO THE SPECIFICATIONS FOR MORE INFORMATION.

LF11 - PROVIDE COMPATIBLE DIMMING SWITCHES PER MANUFACTURER'S RECOMMENDATIONS

LF12 - FIELD VERIFY THE EXACT LOCATION OF ALL SURFACE MOUNTED FIXTURES TO AVOID CONFLICT WITH ARCHITECTURAL FEATURES, INCLUDING PAINT/WALL COVERING SCHEMES, DECORATIVE TRIMS, ETC. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE A/E PRIOR TO ROUGH IN.

LF13 - PROVIDE (1) EXTRA LED MODULE AND LED DRIVER OF EACH TYPE INDICATED IN LIGHT FIXTURE SCHEDULE AND TURN OVER TO OWNER.

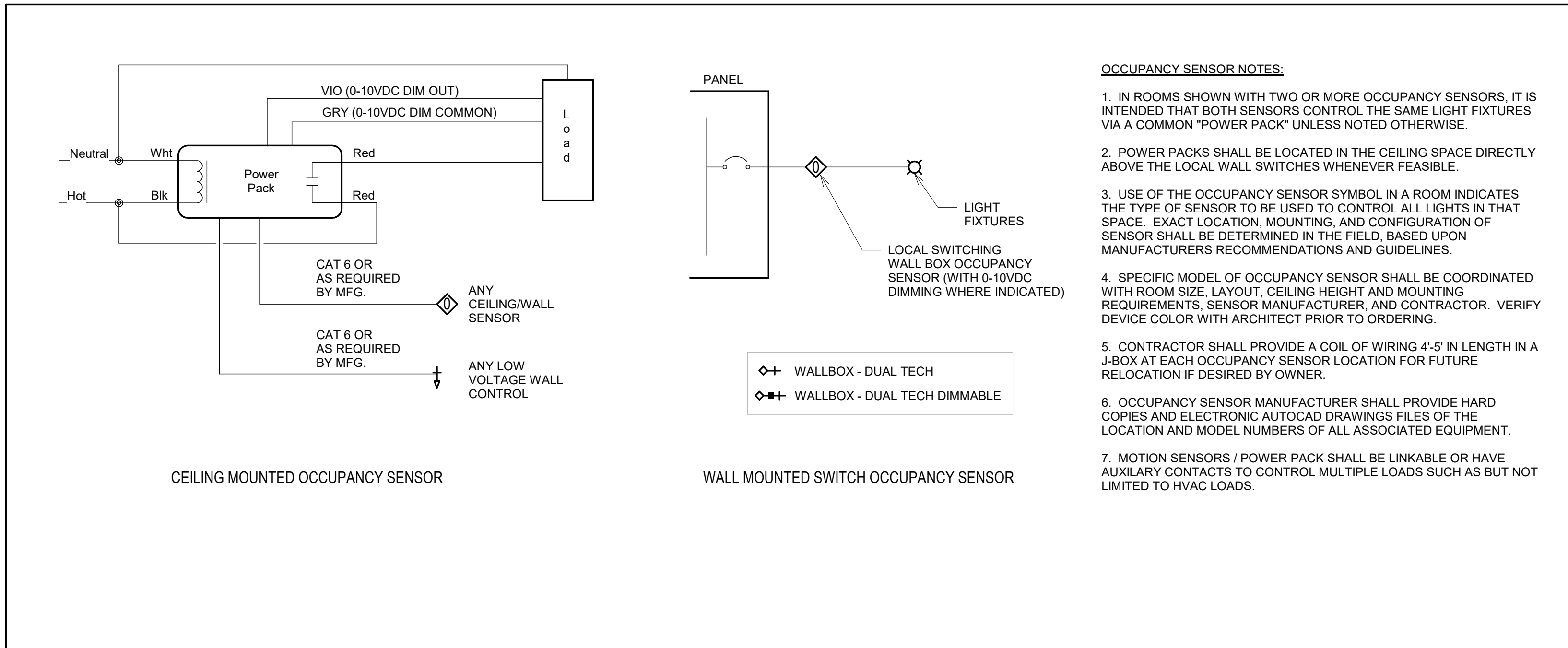
LF14 - IN ALL PLENUM RATED CEILING CAVITIES PROVIDE PLENUM RATED TROFFERS AND OTHER TYPES OF LIGHTING FIXTURES IF REQUIRED BY LOCAL CODE(S).

LF15 - EXCEPT FOR HAZARDOUS RATED AND BATTERY COMPONENTS OF EMERGENCY FIXTURES, ALL LED DRIVERS SHALL HAVE A DISCONNECTING MEANS DESCRIBED IN THE NEC. THIS DISCONNECT MUST BE ACCESSIBLE WITHIN THE FIXTURE AT OR NEAR THE DRIVER.

L F16 - LIGHT FIXTURES SPECIFIED ESTABLISH A LEVEL OF QUALITY WHICH SHALL BE MET BY ALL FIXTURES PROVIDED. FIXTURES SHALL BE COMPARABLE IN PERFORMANCE, CONSTRUCTION, PHYSICAL APPEARANCE, FINISH AND FEATURES IN ORDER TO BE CONSIDERED EQUIVALENT. FIXTURES NOT DEEMED "EQUIVALENT" MAY NOT BE SUBMITTED AS AN "ALTERNATE" OR "SUBSTITUTE" FIXTURE TO THAT WHICH WAS SPECIFIED. DETERMINATION OF "EQUIVALENCY" SHALL BE THE RESPONSIBILITY OF A/E. THERE SHALL BE NO ADDITIONAL COST ASSOCIATED WITH REJECTION OF A FIXTURE NOT DEEMED "EQUIVALENT" BY THE A/E.

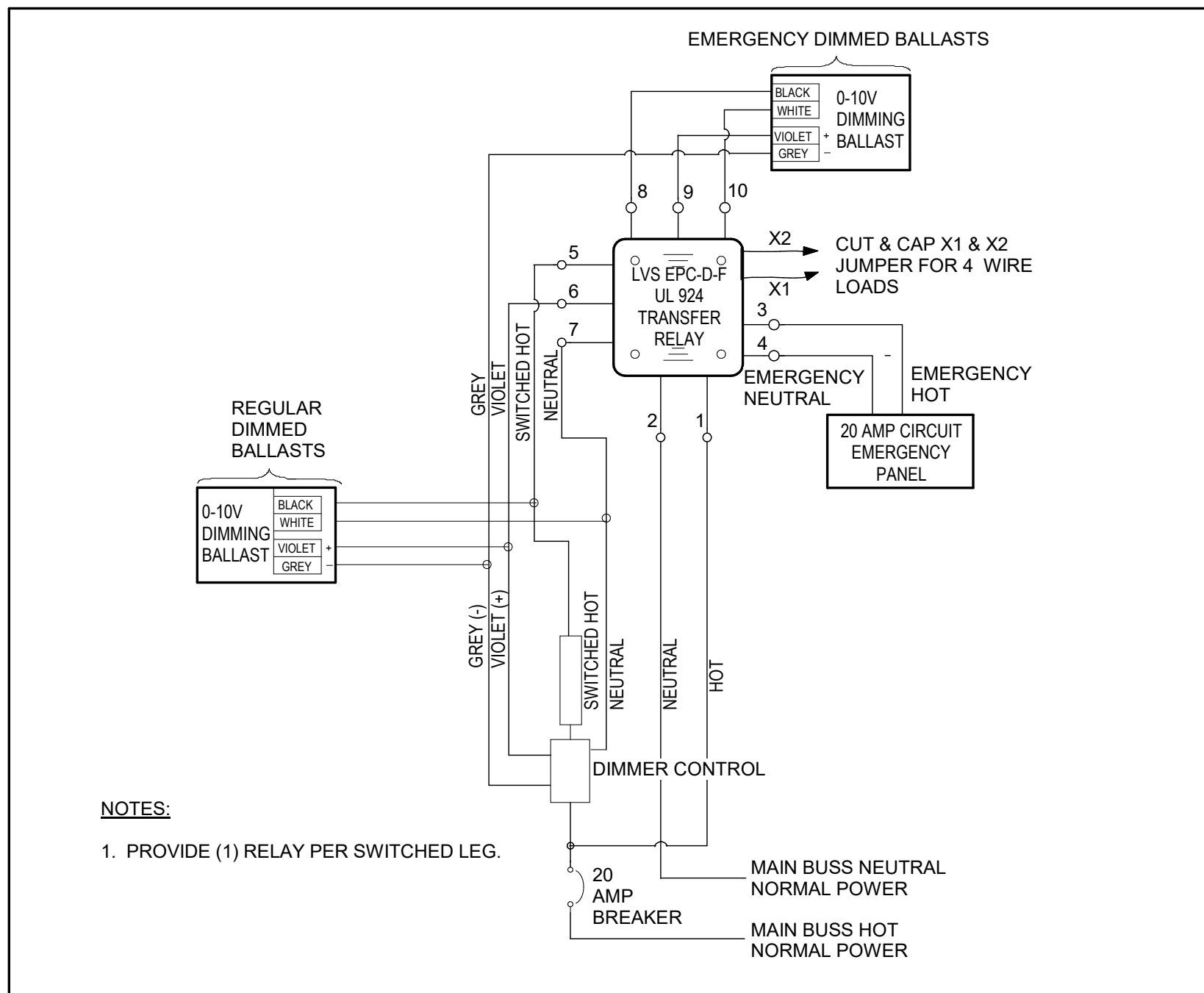
LF17 - PROVIDE FIXTURE WITH (2) CIRCUITS: ONE FOR THE DOWNLIGHT AND ONE FOR THE UPLIGHT. FOR THE SHADED FIXTURES ON THE LIGHTING PLAN, THE DOWNLIGHT CIRCUIT SHALL BE WIRED TO THE GENERATOR FOR CODE REQUIRED EMERGENCY EGRESS LIGHTING. REFER TO GENERAL NOTE 2/E100 AND DETAIL 2/E200 FOR MORE INFORMATION.

E - SPECIAL OUTLET SCHEDULE - TYPICAL HW																		
NO.	TO FEED	LOC.	Panel	Circuit Number	BREAKER		WIRING					TERMINAL			VOLT	PHASE	LOAD (KW)	SEE NOTE
					SIZE	POLE	NO.	SIZE	COND	GRD SIZE	R	D	B					
PTR	PRINTER	SEE DWG	SEE DWGS	SEE DWGS	20	1	2	12	1/2	12	x				120	1	1	



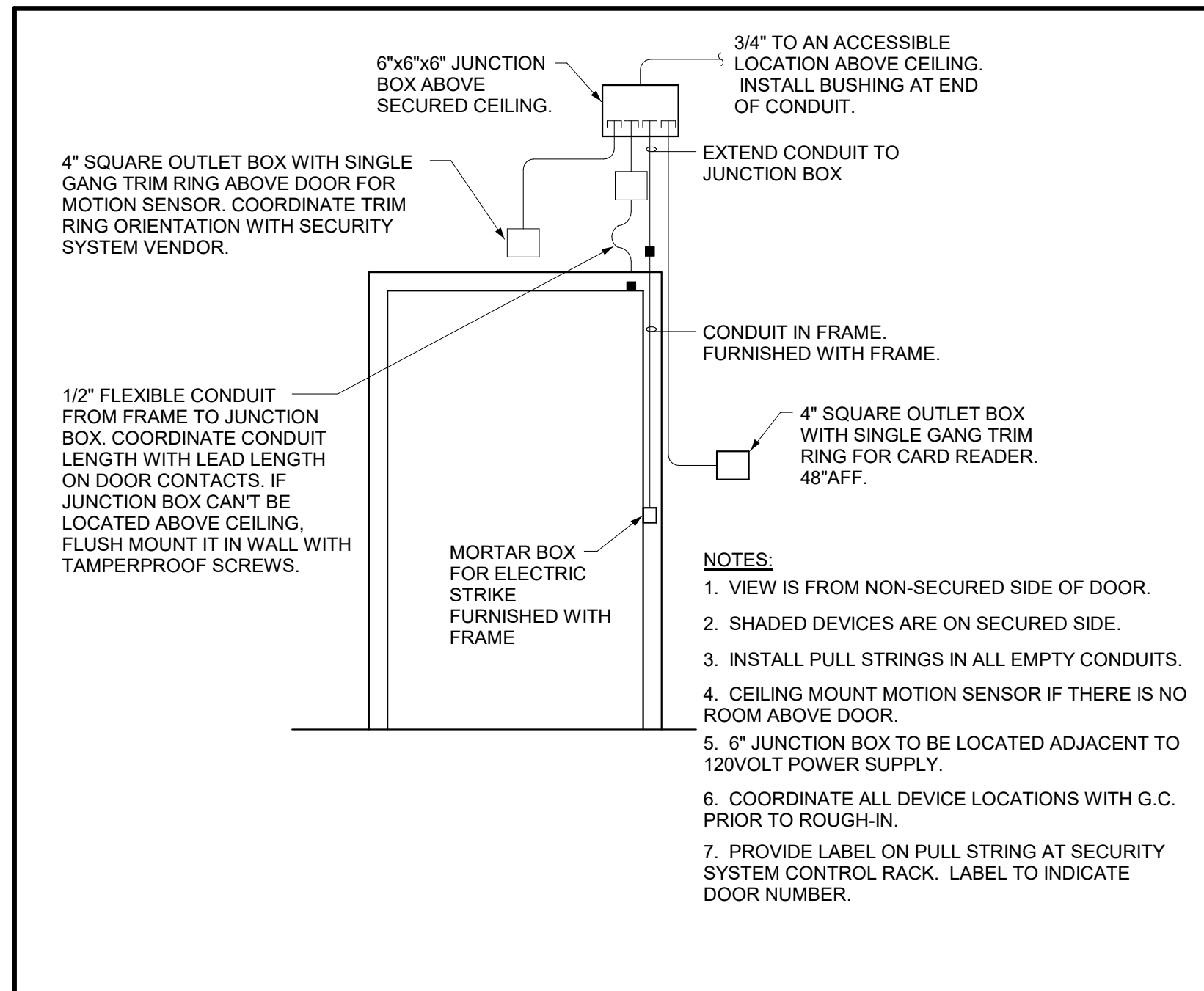
1 OCCUPANCY SENSOR DETAIL

NTS:



2 EMERGENCY LIFE SAFETY DIMMING CIRCUIT

NTS:



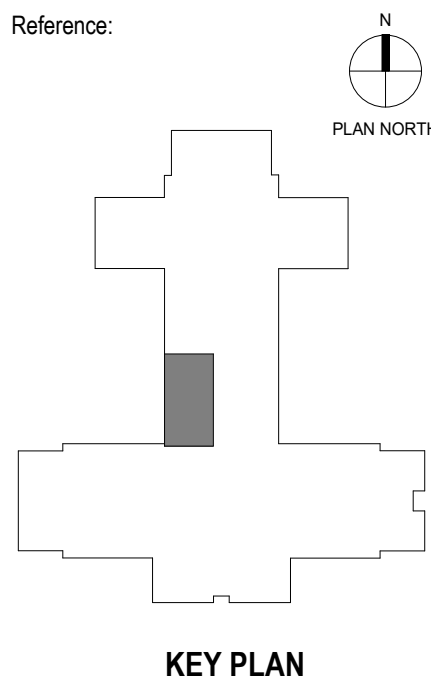
2 SECURED DOOR DETAIL

NTS:

Venture/Architects

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MILWAUKEE, WI 53233
Tel. 414-271-3359
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venture@ventarch.com

Reference:



KEY PLAN

**ROCK COUNTY
COURTHOUSE
COURTHOUSE LAW
LIBRARY ALTERATION**

51 S MAIN STREET
JANESVILLE, WI 53545

LIGHTING AND POWER SCEDULE AND DETAILS

Revisions:

[illegible]

Graphic

Project	210105.00
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Set Type	BID SET
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Date Issued	1-5-2023
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Sheet Number **2 - E200**

**ROCK COUNTY
COURTHOUSE
COURTHOUSE LAW
LIBRARY ALTERATION**

51 S MAIN STREET
JANESVILLE, WI 53545

Sheet Title
4TH FLOOR DATA AND TELECOM

[illegible]

Graphic Scale	
Project Number	210105.00
Set Type	BID SET
Date Issued	1-5-2023
Sheet Number	2 - E201

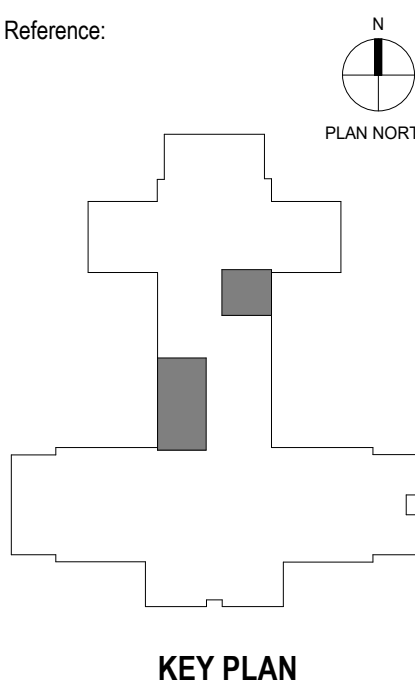


SCHEME 2
1/8" = 1'-0"





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**ROCK COUNTY
COURTHOUSE
COURTHOUSE PROBATE
VAULT ALTERATION**

51 S MAIN STREET
JANESVILLE, WI 53545

Sheet Title
THIRD FLOOR MECHANICAL PLAN

[illegible]

DIFFUSER SCHEDULE (SUPPLY)														
MARK NO.	MANUFACTURER	MODEL	TYPE	AIRFLOW (CFM)		PANEL FRAME (IN)	NECK SIZE (IN)	MAX APD (IN WG)	PATTERN	MOUNT	FINISH	NC	DAMPER	COMMENTS
				MIN	MAX									
S-1	TITUS	OMNI	PLAQUE FACE	0	235	24 X 24	6	0.10	4-WAY	CEILING	NOTE 2	30	NO	1,2
S-2	TITUS	OMNI	PLAQUE FACE	236	400	24 X 24	8	0.10	4-WAY	CEILING	NOTE 2	30	NO	1,2
S-3	TITUS	OMNI	PLAQUE FACE	401	550	24 X 24	10	0.10	4-WAY	CEILING	NOTE 2	30	NO	1,2
S-4	TITUS	OMNI	PLAQUE FACE	551	780	24 X 24	12	0.10	4-WAY	CEILING	NOTE 2	30	NO	1,2

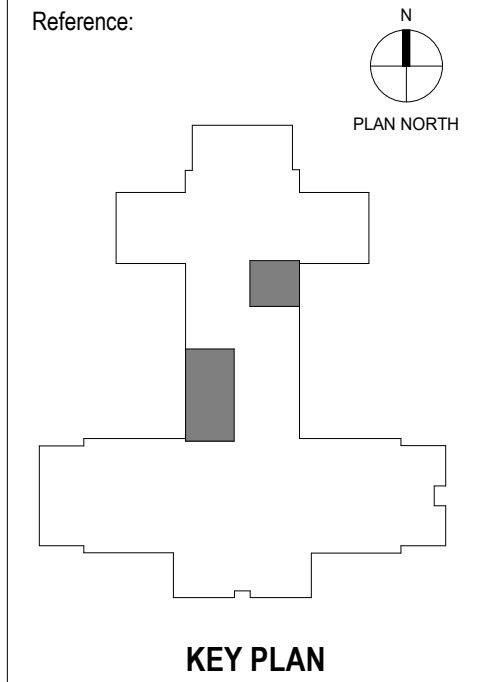
1. CONTRACTOR SHALL VERIFY CEILING TYPE PRIOR TO ORDERING DIFFUSERS.
2. SEE ARCHITECTURAL DRAWINGS FOR COLOR SELECTION.

HOT WATER FINNED PIPE RADIATION SCHEDULE														
PLAN MARK FPR-	SERVES	GPM/FT.	ELEMENT LENGTH (FT.)	CAPACITY (BTU/LF)	ENCLOSURE (H" x D")	TUBE SIZE (IN.)	FIN PER FOOT	E.W.T. (°F)	L.W.T. (°F)	WATER BRANCH PIPING SIZE	MATERIAL	MANUFACTURER	MODEL NO.	COMMENTS
1	THIRD FLOOR	0.055	SEE DWGS	550	8X4	0.75	60	180	160	0.75	SEE ARCH	STERLING	JVK-T	

SLOT AND LINEAR BAR DIFFUSER SCHEDULE (SUPPLY/RETURN)													
MARK NO.	MANUFACTURER	MODEL	AIRFLOW (CFM)		LENGTH (FT)	NUMBER OF SLOTS	SLOT WIDTH (IN)	PLENUM INLET (IN)	PATTERN	MOUNT	FINISH	NC	COMMENTS
			MIN	MAX									
SD-1	TITUS	FLI-10	NOTE 3		SEE PLAN	1	1.5	SEE PLAN	HORIZONTAL	CEILING	NOTE 2	<30	1, 2, 3
RD-1	TITUS	FL-10	NOTE 3		SEE PLAN	1	1.5	SEE PLAN	HORIZONTAL	CEILING	NOTE 2	<30	1, 2, 3
1. CONTRACTOR SHALL VERIFY CEILING TYPE PRIOR TO ORDERING GRILLES. 2. ARCHITECT TO SELECT FINAL COLOR AND FINISH OF SLOT 3. SLOT DIFFUSER SIZED FOR 52.5 CFM/FT. SEE PLANS FOR ACTIVE SLOT DIFFUSER LENGTH.													

VARIABLE AIR VOLUME BOX WITH HOT WATER REHEAT SCHEDULE																				
PLAN MARK VAV-	SERVES	INLET DIA. (IN.)	MAX S.P. DROP (IN. W.G.)	CFM			HEATING COIL						CONTROL VALVE		BRANCH SIZE (IN.)	MANUFACTURER	MODEL	COMMENTS		
				CLG. MAX (CFM)	HTG. MIN. (CFM)	CLG. MIN (CFM)	LOAD (MBH)	E.A.T. (°F)	L.A.T. (°F)	E.W.T. (°F)	L.W.T. (°F)	WATER FLOW (GPM)	W.P.D. (FT)	ROWS					2-WAY	3-WAY
1	C271	6	0.4	100	60	60	3	55	95	180	160	0.50	-	1		X	3/4	PRICE	SVD	
2	C272	8	0.4	625	190	190	8	55	95	180	160	0.82	-	1		X	3/4	PRICE	SVD	

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**ROCK COUNTY
COURTHOUSE
COURTHOUSE PROBATE
VAULT ALTERATION**

51 S MAIN STREET
JANESVILLE, WI 53545

Sheet Title
MECHANICAL SCHEDULES

[illegible]

Graphic Scale	
Project Number	210105.00
Set Type	BID SET
Date Issued	1-5-2023
Sheet Number	2- M600

GENERAL ABBREVIATIONS

A	ARCHITECT
A/E	ARCHITECT-ENGINEER
AFF	ABOVE FINISHED FLOOR
ALD	ACOUSTICALLY LINED DUCTWORK
ALT	ALTERWATE
AP	ACCESS PANEL
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
CA	COMBUSTION AIR
CAV	CONSTANT AIR VOLUME
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFM	CUBIC FEET PER MINUTE
CL	CENTERLINE
CLG	CEILING
CM	CONSTRUCTION MANAGER
COND	CONDENSATE
COP	CENTER OF PIPE
DAT	DISCHARGE AIR TEMPERATURE
DB	DRY BULB
DDC	DIRECT DIGITAL CONTROL
DG	DOOR GRILLE
DR	DRAIN
DX	DIRECT EXPANSION
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EDR	EQUIVALENT DIRECT RADIATION
EL	ELEVATION
ESP	EXTERNAL STATIC PRESSURE
ETR	EXISTING TO REMAIN
EWT	ENTERING WATER TEMPERATURE
FC	FAIL CLOSED
FD	FLOOR DRAIN
FLA	FULL LOAD AMPS
FO	FAIL OPEN
FPI	FINS PER INCH
FPM	FEET PER MINUTE
FT	FEET
GA	GAUGE
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
HC	HEATING CONTRACTOR
HD	HUB DRAIN
IE	INVERT ELEVATION
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
LR	90° LONG RADIUS ELBOW
MBH	THOUSANDS OF BTU PER HOUR
MC	MECHANICAL CONTRACTOR
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NPS	NOMINAL PIPE SIZE
NPT	NATIONAL PIPE THREAD
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OC	ON CENTER
OED	OPEN END DUCT
OCFI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OPP	OWNER PRE-PURCHASED
OV	OUTLET VELOCITY
PC	PLUMBING CONTRACTOR
PCF	POUNDS PER CUBIC FOOT
PD	PRESSURE DROP
POR	POINT OF REMOVAL
PS	PIPE STAND
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
RA	RETURN AIR
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SOG	SLAB ON GRADE
SP	STATIC PRESSURE
TWR	TOWER WATER RETURN
TWS	TOWER WATER SUPPLY

SPECIAL DESIGNATION

	EQUIPMENT NOTATION
	KEYED NOTE
	PLAN CONTINUATION REFERENCE
	DETAIL REFERENCE
	PLAN / DETAIL
	REVISION REFERENCE
	CONNECT TO EXISTING
	PITCH
	FLOW
	LINE INDICATES DEMOLITION

EQUIPMENT ABBREVIATIONS

AC	AFTER COOLER
AC	AIR COMPRESSOR
ACC	AIR COOLED CONDENSER
ACCU	AIR COOLED CONDENSING UNIT
AD	AUTOMATIC DAMPER
AHU	AIR HANDLING UNIT
ALD	ACOUSTICAL LINED DUCT
AMD	AIR MIXING DEVICE
AS	AIR SEPARATOR
B	BOILER
BB	BASEBOARD
BBS	BOILER BLOWDOWN SEPARATOR
BCC	BOOSTER COOLING COIL
BDD	BACK DRAFT DAMPER
BFS	BOILER FEED SYSTEM
BH	BOOSTER HUMIDIFIER
C	CONVECTOR
CC	COOLING COIL
CHILL	CHILLER
COWP	CONDENSER WATER PUMP
CP	CONDENSATE PUMP
CRU	COMPUTER ROOM UNIT
CT	COOLING TOWER
CUH	CABINET UNIT HEATER
CV	CONVERTOR
CWP	CHILLED WATER PUMP
DEARATOR	DEARATOR
DA	DRY COOLER
DC	DEHUMIDIFIER
DH	EXHAUST HOOD
DSF	DESTRATIFICATION FAN
E	EXHAUST GRILLE - EXHAUST REGISTER
EBB	ELECTRIC BASEBOARD
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
EH	EXHAUST HOOD
EJ	EXPANSION JOINT
EL	EXPANSION LOOP
ERC	ELECTRIC REHEAT COIL
ERU	ENERGY RECOVERY UNIT
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EV	EXHAUST VARIABLE AIR VOLUME BOX
EWH	ELECTRIC WALL HEATER
F	FILTER
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FEV	FUME HOOD EXHAUST VARIABLE AIR VOLUME BOX
FOP	FUEL OIL PUMP
FOT	FUEL OIL TANK
FTR	FINNED TUBE RADIATION
F/SD	COMBINATION FIRE & SMOKE DAMPER
FT	FLASH TANK
FUR	FURNACE
GP	GLYCOL PUMP
HC	HEATING COIL
HP	HEAT PUMP
HRC	HEAT RECOVERY COIL
HRP	HEAT RECOVERY PUMP
HUM	HUMIDIFIER
HUH	HOT WATER UNIT HEATER
HWP	HOT WATER PUMP
HX	HEAT EXCHANGER
IH	INTAKE HOOD
L	LOUVER
LVAV	LABORATORY SUPPLY VARIABLE AIR VOLUME BOX
MOD	MOTORIZED OPERATING DAMPER
MUA	MAKE-UP AIR UNIT
P	PUMP
PCWP	PROCESS CHILLED WATER PUMP
PRV	POWER ROOF VENTILATOR
PRV	PRESSURE REDUCING VALVE
R	RETURN GRILLE - RETURN REGISTER
RAV	RETURN VARIABLE AIR VOLUME BOX
RC	REHEAT COIL
RCP	RADIANT CEILING PANEL
RF	RETURN FAN
RH	RELIEF HOOD
RRP	REMOTE RADIATOR PUMP
RTU	ROOFTOP UNIT
S	SUPPLY GRILLE - SUPPLY REGISTER
SD	SMOKE DAMPER
SD	SUCTION DIFFUSER
SF	SUPPLY FAN
SFM	STEAM FLOW METER
SIL	DUCT SILENCER
ST	STEAM TRAP
SUH	STEAM UNIT HEATER
T	TRANSFER GRILLE
TCP	TEMPERATURE CONTROL PANEL
UH	UNIT HEATER
UV	UNIT VENTILATOR
V	VALVE
VD	VOLUME DAMPER
VF	VENTILATION FAN
VF	VARIABLE AIR VOLUME BOX - FAN POWERED NO HEAT
VFD	VARIABLE FREQUENCY DRIVE
VFE	VARIABLE AIR VOLUME BOX - FAN POWERED ELECTRIC HEAT
VFH	VARIABLE AIR VOLUME BOX - FAN POWERED HOT WATER HEAT
VS	VARIABLE AIR VOLUME BOX - SHUT OFF NO HEAT
VSE	VARIABLE AIR VOLUME BOX - SHUT OFF ELECTRIC HEAT
VSH	VARIABLE AIR VOLUME BOX - SHUT OFF HOT WATER HEAT
WF	WATER FILTER
WFM	WATER FLOW METER

GRILLES & DIFFUSERS

	CEILING DIFFUSER WITH FLEX DUCTWORK
	CEILING DIFFUSER WITH HARD DUCTWORK
	CEILING DIFFUSER WITH HARD DUCTWORK
	CEILING RETURN OR TRANSFER GRILLE WITH HARD DUCTWORK
	CEILING RETURN OR TRANSFER GRILLE WITH FLEX DUCTWORK
	CEILING RETURN OR TRANSFER GRILLE WITH HARD DUCTWORK
	CEILING EXHUAUST GRILLE WITH HARD DUCTWORK
	CEILING EXHUAUST GRILLE WITH FLEX DUCTWORK
	CEILING EXHUAUST GRILLE WITH HARD DUCTWORK
	SLOT DIFFUSER WITH FLEXIBLE CONNECTION
	SIDEWALL GRILLE

PIPING SPECIALTIES

	THERMOMETER
	PRESSURE GAUGE AND GAUGE VALVE
	FLEXIBLE CONNECTOR
	BALANCING VALVE
	GAS SHUT-OFF VALVE
	DIAL THERMOMETER
	PRESSURE/ TEMPERATURE PLUG (PETE'S PLUG)
	DRAIN VALVE W/ CAPPED HOSE CONNECTION
	FLOW SENSING DEVICE (PITOT TYPE)
	COMBINATION FIRE & SMOKE DAMPER
	FLASH TANK
	FLOW SENSING DEVICE (INLINE STYLE)
	PIPE SLEEVE
	COIL SYPHON
	SNUBBER
	AIR VENT MANUAL
	THERMOSTATIC AIR VENT
	VACUUM BREAKER
	THERMOSTATIC TRAP
	FLOAT & THERMOSTATIC TRAP
	INVERTED BUCKET TRAP
	STRAINER
	STRAINER W/ BLOWDOWN
	STRAINER W/ BLOWDOWN
	NOISE SUPPRESSER
	FLOW SWITCH
	FLOW SENSOR
	FLOW METER
	AUTOMATIC FLOW REGULATOR
	EXPANSION JOINT
	DUPLEX BASKET STRAINER
	DRAIN PAN ELBOW
	DIFFERENTIAL PRESSURE TRANSMITTER
	BASKET STRAINER
	AUTOMATIC AIR VENT
	BALL JOINT

DUCTWORK

	SUPPLY DUCT (UP OR SECTION)
	OUTDOOR AIR DUCT (UP OR SECTION)
	SUPPLY OR OUTSIDE AIR DUCT (DOWN/OR AWAY)
	EXHAUST DUCT (UP OR SECTION)
	RETURN DUCT (UP OR SECTION)
	EXHAUST OR RETURN DUCT (DOWN/OR AWAY)
	ROUND DUCTWORK UP
	ROUND DUCTWORK DOWN
	ACOUSTICALLY LINED DUCT
	FLEXIBLE CANVAS CONNECTION
	SECURITY BARS
	DROP (D) OR RISE (R)

EQUIPMENT

	ROOF VENTILATOR, INTAKE (ROOF PLAN)
	ROOF VENTILATOR, EXHAUST (ROOF PLAN)
	ROOF VENTILATOR, INTAKE (PLAN VIEW)
	ROOF VENTILATOR, EXHAUST (PLAN VIEW)
	ROOF VENTILATOR, LOUVERED
	VARIABLE AIR VOLUME BOX W/ REQUIRED 36" CLEARANCE
	VARIABLE AIR VOLUME BOX WITH REHEAT COIL W/ REQUIRED 36" CLEARANCE
	LOCATION OF ACCESS CLEARANCE
	UNIT HEATER
	REHEAT COIL
	HUMIDIFIER
	PUMP
	SUCTION DIFFUSER
	REDUCER
	REDUCED
	SQUARE TO ROUND TRANSITION

DAMPERS

	MANUAL VOLUME DAMPER
	AUTOMATIC DAMPER
	BACKDRAFT DAMPER
	SMOKE DAMPER
	FIRE DAMPER (HORIZONTAL)
	FIRE DAMPER (VERTICAL)
	COMBINATION FIRE/SMOKE DAMPER
	COMBINATION FIRE/SMOKE DAMPER
	OPPOSED BLADE DAMPER
	PARALLEL BLADE DAMPER

FIELD MOUNTED CONTROLS

	THERMOSTAT
	DUCT MOUNTED THERMOSTAT
	ROOM NIGHT SETBACK THERMOSTAT
	ROOM ASPIRATING THERMOSTAT
	ROOM HUMIDISTAT
	PRESSURE SENSOR
	ROOM SENSOR
	SWITCH
	DUCT SMOKE DETECTOR

VALVES

	PILOT OPERATED PRESSURE REDUCING VALVE
	BACK PRESSURE VALVE
	BALL VALVE
	BUTTERFLY VALVE
	MOTORIZED BUTTERFLY VALVE
	GAUGE VALVE
	DRAIN BALL VALVE
	CHECK SWING GATE VALVE
	SPRING LOADED CHECK VALVE
	BALANCING VALVE
	PRESSURE REDUCING VALVE
	SELF CONTAINED PRESSURE REDUCING VALVE
	THERMAL EXPANSION VALVE
	QUICK OPENING VALVE
	GATE ANGLE VALVE
	RELIEF VALVE / SAFETY VALVE
	GLOBE ANGLE VALVE
	SOLENOID VALVE
	THREE WAY CONTROL VALVE
	THREE WAY VALVE
	TRIPLE DUTY VALVE
	BACKFLOW PREVENTOR
	DIAPHRAM VALVE
	TWO-WAY CONTROL VALVE
	GLOBE VALVE
	GATE VALVE
	PLUG VALVE
	GAS SHUT-OFF VALVE
	GAS PRESSURE REGULATOR

PIPING SYMBOLS

	TEE OUTLET UP
	TEE OUTLET DOWN
	ELBOW UP
	ELBOW DOWN
	UNION
	FLANGED JOINT
	CAP OR BLIND FLANGE
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	DROP (D) OR RISE (R)
	COMPRESSED AIR
	BOILER FEED
	BOILER BLOW DOWN
	CONDENSATE PUMP DISCHARGE
	CONDENSER WATER RETURN
	CONDENSER WATER SUPPLY
	CLEAN STEAM
	CLEAN STEAM CONDENSATE
	COLD WATER
	COLD SOFT WATER
	CHILLED WATER RETURN
	CHILLED WATER SUPPLY
	DRAIN
	FUEL OIL FILL
	FUEL OIL GAUGE
	FUEL OIL RETURN
	FUEL OIL SUPPLY
	FUEL OIL VENT
	GAS (LOW PRESSURE, 0.25 PSIG OR LESS)
	GLYCOL RETURN
	GLYCOL SUPPLY
	HIGH PRESSURE GAS
	HOT/CHILLED WATER RETURN
	HOT/CHILLED WATER SUPPLY
	HIGH PRESSURE CONDENSATE
	HIGH PRESSURE STEAM
	HEAT PUMP WATER RETURN
	HEAT PUMP WATER SUPPLY
	HEAT RECOVERY RETURN
	HEAT RECOVERY SUPPLY
	HOT WATER RETURN
	HOT WATER SUPPLY
	LOW PRESSURE CONDENSATE
	LOW PRESSURE STEAM
	NON-POTABLE COLD WATER
	NON-POTABLE SOFT WATER
	MAKEUP WATER
	PUMPED CONDENSATE
	PROCESS CHILLED WATER RETURN
	PROCESS CHILLED WATER SUPPLY
	REFRIGERANT HOT GAS
	REFRIGERANT LIQUID LINE
	REFRIGERANT SUCTION LINE
	REVERSE OSMOSIS/ DEIONIZED WATER
	REMOTE RADIATOR RETURN
	REMOTE RADIATOR SUPPLY
	VENT
	VACUUM (AIR)

M - MECHANICAL SHEET INDEX VAULT	
SHEET NUMBER	SHEET NAME
2- ML	MECHANICAL SYMBOLS, ABBREVIATIONS AND NOTES
2- M000	MECHANICAL SPECIFICATIONS
2- M100	THIRD FLOOR MECHANICAL PLAN
2- M500	MECHANICAL DETAILS
2- M600	MECHANICAL SCHEDULES

215 NORTH 25th STREET
JANESVILLE, WI 53

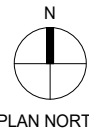
1. THE FIRE PROTECTION DRAWINGS ARE CONCEPTUAL. FOR GENERAL INFORMATION ONLY AND SHALL NOT BE CONSTRUED AS FINAL DESIGN OR INSTALLATION DOCUMENTS. THE SPRINKLER DESIGN AND INSTALLATION SHALL BE THE RESPONSIBILITY OF THE DESIGN BUILD FIRE PROTECTION CONTRACTOR.
2. THE EXACT LOCATION, ELEVATION, AND CONFIGURATION OF SPRINKLER PIPING AND SPRINKLER HEADS SHALL BE COORDINATED WITH ALL TRADES PRIOR TO COMMENCING WORK. THE FIRE PROTECTION CONTRACTOR DOES NOT HAVE PRIORITY.
3. ADD ADDITIONAL SPRINKLER HEADS AS REQUIRED BY NFPA 13 TO ACCOMMODATE OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO COLUMNS, DUCTWORK, SOFFITS AND EQUIPMENT. TYPICAL.
4. PROVIDE ISOLATION VALVES AS REQUIRED PER NFPA 13, 14. ALL OS&Y VALVES SHALL BE SUPERVISED WITH TAMPER SWITCHES.
5. SPRINKLER PIPING SHALL BE BLACK STEEL, TYPE F ASTM A53, 3/4" THREADED LIGHT WALL PIPE AND PLASTIC PIPE ARE NOT ACCEPTABLE. SPRINKLER HEADS SHALL MANUFACTURED BY TYCO, RELIABLE, VICTAULIC OR VIKING.
6. SPRINKLER HEADS SHALL BE LOCATED WITHIN CENTER OF CEILING TILE.

1. RECONFIGURE EXISTING MAINS, BRANCH LINES AND SPRINKLER HEADS AS REQUIRED TO PROVIDE COMPLETE UNOBSTRUCTED COVERAGE TO ALL AREAS OF NEW ARCHITECTURAL ROOM LAYOUT. PROVIDE ADDITIONAL NEW HEADS AS REQUIRED. SPRINKLER HEADS SHALL BE SEMI RECESSED PENDANTS IN AREAS WITH CEILINGS AND UPRIGHT PENDANTS IN AREAS WITH NO CEILINGS. PROVIDE SPRINKLER HEADS ABOVE AND BELOW ANY AREAS WITH CLOUD TYPE CEILINGS. COORDINATE SPRINKLER HEAD LOCATIONS WITH LIGHTS AND DIFFUSERS. SPRINKLER HEADS DO NOT HAVE PRIORITY. INSTALL BRANCH PIPING AS HIGH AS POSSIBLE IN AREAS WITH NO CEILINGS.


$$1/4" = 1'-0"$$

212 NORTH 25th STREET
MILWAUKEE, WI 53233
Tel. 414-271-3359
Fax 414-271-0939
venture@ventarch.com

Reference:



KEY PLAN

**ROCK COUNTY
COURTHOUSE
COURTHOUSE PROBATE
VAULT ALTERATION**

51 S MAIN STREET
JANESVILLE, WI 53545

Sheet Title
THIRD FLOOR FIRE PROTECTION PLAN

Revisions:

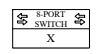
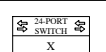
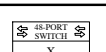
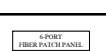

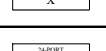
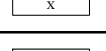
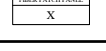
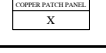




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





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Set Type	BID SET
Date Issued	1-5-2023
Sheet Number	2 - F100






CABLE LEGEND Legend




Detection Grade Lock Wire Coloring - (White) AC Neutral or DC Common, (Black) AC Line or DC Positive, (Green) Ground, (Yellow) Unlocked or Open, (Pink) Lock or Close, (Brown) Ind. Voltage, (Blue) Secure, (Red) Unsecure, (Orange) Auxiliary 1 In/Out, (Violet) Auxiliary 2 In/Out, (Gray) Auxiliary Common





SHEET LABEL	DESCRIPTION	MFG. & PART NUMBER
A	12 AWG TFFN GREEN - WHITE - BLACK - RED - BROWN - BLUE - YELLOW - ORANGE - PINK - VIOLET - GRAY	WINDY CITY WIRE GREEN: 031206 - WHITE: 0312010 - BLACK: 0312011 - RED: 031201 - BROWN: 0312012 - BLUE: 031209 - YELLOW: 031203 - ORANGE: 031204 - PINK: 031208 - VIOLET: 031205 - GRAY: 031207
	14 AWG TFFN GREEN - WHITE - BLACK - RED - BROWN - BLUE - YELLOW - ORANGE - PINK - VIOLET - GRAY	WINDY CITY WIRE GREEN: 031406 - WHITE: 0314010 - BLACK: 0314011 - RED: 031401 - BROWN: 0314012 - BLUE: 031409 - YELLOW: 031403 - ORANGE: 031404 - PINK: 031408 - VIOLET: 031405 - GRAY: 031407
C	16 AWG TFFN GREEN - WHITE - BLACK - RED - BROWN - BLUE - YELLOW - ORANGE - PINK - VIOLET - GRAY	WINDY CITY WIRE GREEN: 031606 - WHITE: 0316010 - BLACK: 0316011 - RED: 031601 - BLUE: 031609 - YELLOW: 031603 - ORANGE: 031604 - GRAY: 031607
	18 AWG TFFN GREEN - WHITE - BLACK - RED - BROWN - BLUE - YELLOW - ORANGE - PINK - VIOLET - GRAY	WINDY CITY WIRE GREEN: 031806 - WHITE: 0318010 - BLACK: 0318011 - RED: 031801 - BROWN: 0318012 - BLUE: 031809 - YELLOW: 031803 - ORANGE: 031804 - PINK: 031808 - VIOLET: 031805 - GRAY: 031807
D	E5-P: 100BASE-T - PLENUM E5: 100BASE-T - NON-PLENUM E5e-P: 100BASE-T - PLENUM E5e: 100BASE-T - NON-PLENUM E6-P: 100BASE-TX - PLENUM E6: 100BASE-TX - NON-PLENUM E6a-P: 10GBASE - PLENUM E6a: 10GBASE - NON-PLENUM E7-P: 10GBASE - PLENUM	WINDY CITY WIRE E5e-P: 5556160 (GREEN JACKET) E5e: 8696160 (GREEN JACKET) E5e-P: 556060 (GREEN JACKET) E6: 775600 (GREEN JACKET) E6a-P: 556600 (BLACK JACKET) E6a: 7756600A (BLACK JACKET) E7-P: 9557619 (BLUE JACKET)
	F-P: 14AWG - 2C - NON-SHIELDED - PLENUM F: 14AWG - 2C - NON-SHIELDED - NON-PLENUM F-S-P: 14AWG - 2C - SHIELDED - PLENUM F-S: 14AWG - 2C - SHIELDED - NON-PLENUM	WINDY CITY WIRE F-P: 447590 F: 428100 F-S-P: 447920BR F-S: 4121020
F**	G-P: 16AWG - 2C - NON-SHIELDED - PLENUM G: 16AWG - 2C - NON-SHIELDED - NON-PLENUM G-S-P: 16AWG - 2C - SHIELDED - PLENUM G-S: 16AWG - 2C - SHIELDED - NON-PLENUM	WINDY CITY WIRE G-P: 441360R G: 428100BR G-S-P: 441320BR G-S: 4131020
	H-P: 18AWG - 2C - NON-SHIELDED - PLENUM H: 18AWG - 2C - NON-SHIELDED - NON-PLENUM H-S-P: 18AWG - 2C - SHIELDED - PLENUM H-S: 18AWG - 2C - SHIELDED - NON-PLENUM	WINDY CITY WIRE H-P: 442360R H: 427100BR H-S-P: 442320R H-S: 414100BR
H**	J-P: 20AWG - 2C - NON-SHIELDED - PLENUM J: 20AWG - 2C - NON-SHIELDED - NON-PLENUM J-S-P: 20AWG - 2C - SHIELDED - PLENUM J-S: 20AWG - 2C - SHIELDED - NON-PLENUM	WINDY CITY WIRE J-P: 442360 J: 426100BR J-S-P: 443320BR J-S: 415100BR
	K-P: 22AWG - 2C - NON-SHIELDED - PLENUM K: 22AWG - 2C - NON-SHIELDED - NON-PLENUM K-S-P: 22AWG - 2C - SHIELDED - PLENUM K-S: 22AWG - 2C - SHIELDED - NON-PLENUM	WINDY CITY WIRE K-P: 444360 K: 425100 K-S-P: 444320BR K-S: 416100BR
K**	L: 22AWG - 8C - NON-SHIELDED - NON-PLENUM	WINDY CITY WIRE 425501
	M-P: 22AWG - 4C w/2C SHIELDED & 2C NON-SHIELDED - PLENUM M: 22AWG - 4C w/2C SHIELDED & 2C NON-SHIELDED - NON-PLENUM	WINDY CITY WIRE M-P: 2553070 M: 251006
M**	N: 22AWG - 3C w/ 2C SHIELDED & 1C NON-SHIELDED - NON-PLENUM	WEST PENN #352 OR EQUIVALENT
	P-P: 18AWG - 6C - NON-SHIELDED - PLENUM P: 18AWG - 6C - NON-SHIELDED - NON-PLENUM P-S-P: 18AWG - 6C - SHIELDED - PLENUM P-S: 18AWG - 6C - SHIELDED - NON-PLENUM	WINDY CITY WIRE P-P: 442391 P: 427400 P-S-P: 442351 P-S: 414400
P**	R-P: 22AWG - 6C - NON-SHIELDED - PLENUM R: 22AWG - 6C - NON-SHIELDED - NON-PLENUM R-S-P: 22AWG - 6C - SHIELDED - PLENUM R-S: 22AWG - 6C - SHIELDED - NON-PLENUM	WINDY CITY WIRE R-P: 444391 R: 425400 R-S-P: 444351 R-S: 416400
	S: RG-59 COAX (CCTV)	WEST PENN #815 OR EQUIVALENT
S	T: RG-6 COAX (CCTV/MATV)	WEST PENN #806 OR EQUIVALENT
	W: 24AWG - 25-PAIR - CAT-3 (TELCO/PLC)	GENERAL CABLE #2133033 OR EQUIVALENT
TK	DEVICE NET THICK	BELDEN #3082A
	TN: DEVICE NET THIN	BELDEN #3084A
TN	COMPOSITE CABLE E1: 18AWG - 4C - PURPLE STRIPE E2: 22AWG - 3-PAIR - YELLOW STRIPE E3: 22AWG - 2C - GREEN STRIPE E4: 22AWG - 4C - RED STRIPE	WINDY CITY WIRE PLENUM: 4461030 NON-PLENUM: 4461140
	FO1: OM1 MULTIMODE FIBER OPTIC STRAND	HITACHI 61345- * = NUMBER OF STRANDS
FO1	FO2: OM2 MULTIMODE FIBER OPTIC STRAND	HITACHI 61347- * = NUMBER OF STRANDS
	FO3: OM3 MULTIMODE FIBER OPTIC STRAND	HITACHI 61348- * = NUMBER OF STRANDS
FO3	FO4: OM4 MULTIMODE FIBER OPTIC STRAND	HITACHI 61893- * = NUMBER OF STRANDS
	FO5: OM5 SINGLE MODE FIBER OPTIC STRAND	HITACHI 61349- * = NUMBER OF STRANDS





NETWORK SYMBOL LEGEND	
SYMBOL	SYMBOL DESCRIPTION
	8-Port Network Switch - X indicates Switch name. See Device Schedule for additional information.
	24-Port Network Switch - X indicates Switch name. See Device Schedule for additional information.
	48-Port Network Switch - X indicates Switch name. See Device Schedule for additional information.
	6-Port Fiber Patch Panel - X indicates Panel name. See Device Schedule for additional information.
	12-Port Fiber Patch Panel - X indicates Panel name. See Device Schedule for additional information.
	24-Port Fiber Patch Panel - X indicates Panel name. See Device Schedule for additional information.
	48-Port Fiber Patch Panel - X indicates Panel name. See Device Schedule for additional information.
	24-Port Copper Patch Panel - X indicates Panel name. See Device Schedule for additional information.
	48-Port Copper Patch Panel - X indicates Panel name. See Device Schedule for additional information.
	GPS Network Time Server - # indicates Server Architectural or System number. See Device Schedule for additional information.
	GPS Network Time Server Antenna - # indicates Antenna's allocated server number. See Device Schedule for additional information.
	Network Wireless Access Point - # indicates WAP Architectural or System number. See Device Schedule for additional information.
	Network Wireless Bridge - # indicates Bridge Architectural or System number. See Device Schedule for additional information.

SERVER & WORKSTATION EQUIPMENT SYMBOL LEGEND	
SYMBOL	SYMBOL DESCRIPTION
 X	VMS Workstation - X indicates Workstation name. See Device Schedule for additional information.
 X	HMI Workstation - X indicates Workstation name. See Device Schedule for additional information.
 X	Access Control Workstation - X indicates Workstation name. See Device Schedule for additional information.
 X	Audio Workstation - X indicates Workstation name. See Device Schedule for additional information.
 X	VMS Server - X indicates Server name. See Device Schedule for additional information.
 X	HMI Server - X indicates Server name. See Device Schedule for additional information.
 X	Access Control Server - X indicates Server name. See Device Schedule for additional information.
 X	Audio Server - X indicates Server name. See Device Schedule for additional information.
 X	Workstation or Server Monitor - X indicates Monitor function, # indicates Monitor name and SIZE indicates the Monitor size. See Device Schedule for additional information.
	User Orientation - Depicts the orientation of the user at a workstation or server.

CABINET & RACK SYMBOL LEGEND	
SYMBOL	SYMBOL DESCRIPTION
	Wall Mounted Cabinet - X indicates Cabinet name. See Device Schedule for additional information.
	Card Access Cabinet - X indicates Cabinet name. See Device Schedule for additional information.
	Wall Mounted Rack - X indicates Rack name. See Device Schedule for additional information.
	2-Post Rack - X indicates Rack name. See Device Schedule for additional information.
	4-Post Rack - X indicates Rack name. See Device Schedule for additional information.




POWER SYMBOL LEGEND	
SYMBOL	SYMBOL DESCRIPTION
	Electrical Breaker Panel - X indicates Panel name. See Device Schedule for additional information.
	UPS Breaker Panel - X indicates Panel name. See Device Schedule for additional information.
	UPS Equipment - X indicates UPS Equipment name. See Device Schedule for additional information.

DOOR SYMBOL LEGEND	
SYMBOL	SYMBOL DESCRIPTION
	Electric Lock - DC or AC motorized, solenoid or magnetic lock. TYPE indicates the lock type. In the place of X, an E indicates electrified motor, or a P indicates a pneumatic solenoid. # indicates the door lock Architectural or System number. Assume Lock Switch unless otherwise noted. See Device Schedule for additional information.
	Door Position Switch - Movement door monitoring switch. # indicates the door position switch Architectural or System number. See Device Schedule for additional information.
	Free Egress - Door with Exit Device that allows free egress through the opening from the direction of the arrow. See Device Schedule for additional information.
	Interlock Group - Depicts a group of doors controlled by an Interlock Group. # indicates Interlock Group System number. See Device Schedule for additional information.










DURESS (PANIC) SYMBOL LEGEND	
SYMBOL	SYMBOL DESCRIPTION
	Wireless Duress Receiver - # indicates Receiver Architectural or System number. See Device Schedule for additional information.
	Wall Mounted Panic Push Button - # indicates Push Button Architectural, System or Device allocated number. See Device Schedule for additional information.
	Frame Mounted Panic Push Button - # indicates Push Button Architectural, System or Device allocated number. See Device Schedule for additional information.
	Desk Mounted Panic Push Button - # indicates Push Button Architectural, System or Device allocated number. See Device Schedule for additional information.

ACCESS CONTROL SYMBOL LEGEND	
SYMBOL	SYMBOL DESCRIPTION
	Wall Mounted Card Reader - # indicates Reader Architectural System or Device allocated number. See Device Schedule for additional information.
	Frame Mounted Card Reader - # indicates Reader Architectural System or Device allocated number. See Device Schedule for additional information.
	Desk Mounted Card Reader - # indicates Reader Architectural System or Device allocated number. See Device Schedule for additional information.
	Wall Mounted Keypad Reader - # indicates Reader Architectural System or Device allocated number. See Device Schedule for additional information.
	Frame Mounted Keypad Reader - # indicates Reader Architectural System or Device allocated number. See Device Schedule for additional information.
	Desk Mounted Keypad Reader - # indicates Reader Architectural System or Device allocated number. See Device Schedule for additional information.
	Wall Mounted Biometric Reader - # indicates Reader Architectural System or Device allocated number. See Device Schedule for additional information.
	Frame Mounted Biometric Reader - # indicates Reader Architectural System or Device allocated number. See Device Schedule for additional information.
	Desk Mounted Biometric Reader - # indicates Reader Architectural System or Device allocated number. See Device Schedule for additional information.
	Wall Mounted Smart Reader - # indicates Reader Architectural System or Device allocated number. See Device Schedule for additional information.
	Frame Mounted Smart Reader - # indicates Reader Architectural System or Device allocated number. See Device Schedule for additional information.
	Desk Mounted Smart Reader - # indicates Reader Architectural System or Device allocated number. See Device Schedule for additional information.
	Allegion CTC Controller - Single door controller with multi-technology reader. # indicates Controller Architectural or System number. See Device Schedule for additional information.
	Allegion NDE Wireless Lock - Standalone mobile enhanced wireless cylindrical lock. # indicates Lock Architectural or System number. See Device Schedule for additional information.
	Allegion Smart Interconnect - Lock with Engage technology. # indicates Lock Architectural or System number. See Device Schedule for additional information.
	Allegion Smart Interconnect - Deadbolt with Engage technology. # indicates Deadbolt Architectural or System number. See Device Schedule for additional information.
	Electronic Key Switch - # indicates Key Switch Architectural System or Device allocated number. See Device Schedule for additional information.
	Loop Detector - # indicates Detector Architectural System or Device allocated number. See Device Schedule for additional information.
	Motion Detector - # indicates Detector Architectural System or Device allocated number. See Device Schedule for additional information.
	Wall Mounted Request to Exit Push Button - # indicates Push Button Architectural System or Device allocated number. See Device Schedule for additional information.
	Frame Mounted Request to Exit Push Button - # indicates Push Button Architectural System or Device allocated number. See Device Schedule for additional information.
	Desk Mounted Request to Exit Push Button - # indicates Push Button Architectural System or Device allocated number. See Device Schedule for additional information.

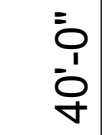
VIDEO SYMBOL LEGEND	
Camera Mount Abbreviations - (CS) Ceiling Surface, (CI) Ceiling Recessed, (WM) Wall Mount, (WS) Wall Surface, (WR) Wall Recessed, (ECN) Exterior Corner Mount, (ICN) Interior Corner Mount, (PS) Pole Mount, (PW) Pole/Riser Mount, (PP) Tripod Mount	
SYMBOL	SYMBOL DESCRIPTION
	Fixed IP Camera - # indicates Camera logical number. X indicates Camera mounting information. See Device Schedule for additional information.
	2-Sensor Multi-head IP Camera - # indicates Camera logical number. X indicates Camera mounting information. See Device Schedule for additional information.
	3-Sensor Multi-head IP Camera - # indicates Camera logical number. X indicates Camera mounting information. See Device Schedule for additional information.
	4-Sensor Multi-head IP Camera - # indicates Camera logical number. X indicates Camera mounting information. See Device Schedule for additional information.
	Pan-Tilt-Zoom (PTZ) IP Camera - # indicates Camera logical number. X indicates Camera mounting information. See Device Schedule for additional information.
	180-Degree Fisheye IP Camera - # indicates Camera logical number. X indicates Camera mounting information. See Device Schedule for additional information.
	360-Degree Fisheye IP Camera - # indicates Camera logical number. X indicates Camera mounting information. See Device Schedule for additional information.
	Fixed Analog Camera - # indicates Camera logical number. X indicates Camera mounting information. See Device Schedule for additional information.
	Fixed IP Camera - # indicates Encoder Architectural or System name. See Device Schedule for additional information.
	HiPoE Injector - # indicates Injector Architectural, System or Device allocated number. See Device Schedule for additional information.
	VMS Keypad - See Device Schedule for additional information.
	Surge Suppression Device - See Device Schedule for additional information.

INTRUSION & FIRE SYMBOL LEGEND	
SYMBOL	SYMBOL DESCRIPTION
	Fire Alarm - # indicates Alarm Architectural, System or Zone number. See Device Schedule for additional information.
	Fire Strobe Light - # indicates Strobe Architectural, System or Zone number. See Device Schedule for additional information.
	Intrusion Keypad - # indicates Keypad Architectural or System number. See Device Schedule for additional information.

AUDIO SYMBOL LEGEND	
SYMBOL	SYMBOL DESCRIPTION
	Audio Master Station - Analog or IP. See Device Schedule for additional information.
	Gooseneck Touchscreen Master Station - Analog or IP. See Device Schedule for additional information.
	Flush Touchscreen Master Station - Analog or IP. See Device Schedule for additional information.
	Intercom Station - # indicates IC Architectural or System number. See Device Schedule for additional information.
	Wall Mounted Intercom Station - # indicates IC Architectural or System number. See Device Schedule for additional information.
	Frame Mounted Intercom Station - # indicates IC Architectural or System number. See Device Schedule for additional information.
	Handset Intercom Station - # indicates IC Architectural or System number. See Device Schedule for additional information.
	IP Master Intercom Station - # indicates IC Architectural or System number. See Device Schedule for additional information.
	Wall Mounted IP Master Intercom Station - # indicates IC Architectural or System number. See Device Schedule for additional information.
	Frame Mounted IP Master Intercom Station - # indicates IC Architectural or System number. See Device Schedule for additional information.
	IP Slave Intercom Station - # indicates IC Architectural or System number. See Device Schedule for additional information.
	Wall Mounted IP Slave Intercom Station - # indicates IC Architectural or System number. See Device Schedule for additional information.
	Frame Mounted IP Slave Intercom Station - # indicates IC Architectural or System number. See Device Schedule for additional information.
	Hands Free Intercom Station - Standalone hands free intercom station (inside). # indicates IC Architectural or System number. See Device Schedule for additional information.
	Hands Free Intercom Station - Standalone hands free intercom station (outside). # indicates IC Architectural or System number. See Device Schedule for additional information.
	Overhead Speaker - Intercom or paging speaker. # indicates Speaker Architectural, System or Page Zone number. See Device Schedule for additional information.
	Overhead Speaker - Intercom or paging speaker. # indicates Architectural, System or Page Zone number. See Device Schedule for additional information.
	Overhead Sound Monitor Speaker - Intercom or paging speaker with sound monitoring function. # indicates Speaker Architectural, System or Page Zone number. See Device Schedule for additional information.
	Ceiling Mounted External Microphone - # indicates Microphone Architectural, System or Device allocated number. See Device Schedule for additional information.
	Wall Mounted External Microphone - # indicates Microphone Architectural, System or Device allocated number. See Device Schedule for additional information.
	Wall Mounted External Microphone Mute Switch - # indicates Switch Architectural, System or Device allocated number. See Device Schedule for additional information.
	Frame Mounted External Microphone Mute Switch - # indicates Switch Architectural, System or Device allocated number. See Device Schedule for additional information.
	Desk Mounted External Microphone Mute Switch - # indicates Switch Architectural, System or Device allocated number. See Device Schedule for additional information.
	Wall Mounted Call Button - # indicates Push Button Architectural, System or Device allocated number. See Device Schedule for additional information.
	Frame Mounted Call Push Button - # indicates Push Button Architectural, System or Device allocated number. See Device Schedule for additional information.
	Desk Mounted Call Push Button - # indicates Push Button Architectural, System or Device allocated number. See Device Schedule for additional information.

UTILITY SYMBOL LEGEND	
SYMBOL	SYMBOL DESCRIPTION
	Light - # indicates Light Architectural or System number. See Device Schedule for additional information.
	Day Light - # indicates Light Architectural or System number. See Device Schedule for additional information.
	Night Light - # indicates Light Architectural or System number. See Device Schedule for additional information.
	Power Receptacle - # indicates Receptacle Architectural or System number. See Device Schedule for additional information.
	TV Power Receptacle - # indicates Receptacle Architectural or System number. See Device Schedule for additional information.
	Water Valve - # indicates Valve Architectural or System number. See Device Schedule for additional information.
	Inmate Phone - # indicates Phone Architectural or System number. See Device Schedule for additional information.
	Window Louvre - # indicates Louvre Architectural or System number. See Device Schedule for additional information.
	Visitation Handset - # indicates Handset Architectural or System number. See Device Schedule for additional information.

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EQ

3' - 0"

EQ

**NON-JURY
COURTROOM**
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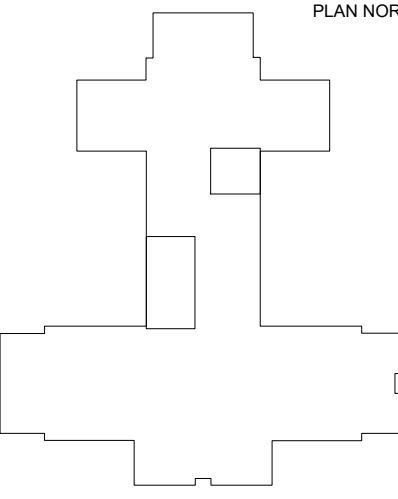
OFFICE
284.1

AV AND I.T. RACKING

DAR SYSTEM

GENERAL PLAN NOTES

1. CONTACT SGTS, INC. FOR SECURITY ELECTRONICS WORK PROPOSAL.
SGTS, Inc.
2846 AGRICULTURE DR.
MADISON, WI 53718
(608)630-9411



Reference:

PLAN NORTH

Wednesday, July 6, 2022 12:41:09 PM

KEY PLAN

**ROCK COUNTY
COURTHOUSE
ROCK COUNTY FACILITIES
MGMT**

51 S MAIN STREET
JANESVILLE WI 53545

Sheet Title

Revisions:

[illegible]

Graphi
Scale

Project
Number

PR22483

Set
Type

BID SET

Date Issued

1/05/2023

Sheet
Number

2 - SE100

1

THIRD FLOOR PLAN

$$1/4'' = 1'-0''$$