

December 19, 2019

ADDENDUM NUMBER ONE (1)

Project: Replacement Facility for
Tippah County Hospital
Ripley, MS
PN: 18015

FROM: Dean and Dean/Associates Architects, P.A.
4400 Old Canton Road, Suite 200
Jackson, MS 39211
(601) 939-7717

The following additions, changes, clarifications and/or substitutions to the Project Drawings as indicated, are hereby made a part of the Contract Documents. Acknowledge receipt of this Addendum by inserting its number and date in the Proposal Form where indicated.

Architectural Specifications:

Item #1: Section 006100 – Contract Bonds, as follows:

Remove existing Section 006100 and replace with the attached revised section 006100 Contract Bonds.

Civil:

SEE ATTACHED CIVIL ITEMS PROVIDED BY MCMASTERS & ASSOCIATES, INC Dated 12-18-19.

Mechanical:

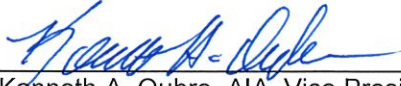
SEE ATTACHED MECHANICAL ITEMS PROVIDED BY GSK MECHANICAL Dated 12-18-19.

Electrical:

SEE ATTACHED ELECTRICAL ITEMS PROVIDED BY JON D. RICE & ASSOCIATES, LLC
Dated 12-18-19.

END OF ADDENDUM NUMBER ONE (1)

Dean and Dean/Associates
architects p.a.


Kenneth A. Oubre, AIA, Vice President



PLEASE ATTACH THIS ADDENDUM TO THE INSIDE FRONT COVER OF EACH SET OF SPECIFICATIONS.

**SECTION 006100
CONTRACT BONDS**

PART 1 GENERAL

1.01 PERFORMANCE BOND

- A. The Contractor shall provide an executed AIA Document A 312, 2010 edition Performance Bond as part of the contract Documents.

1.02 PERFORMANCE BOND SUPPLEMENTS:

- A. The following supplements modify, change, delete from or add to the Performance Bond AIA Document A 312, 2010 edition and must be included in the executed document.
1. Delete Paragraph 3 including subparagraphs 3.1, 3.2 and 3.3 in its entirety.
 2. Delete Paragraph 4 in its entirety.
 3. Change Paragraph 5 to read as follows: "If there is no owner default and after the owner has declared the Contractor to be in default, the Surety shall promptly and at the Surety's expense take one of the following actions:"
 4. At the end of Paragraph 10, add the following sentence: "The Surety further agrees that the penal sum of the bond will automatically change with each approved change order without notice of change of surety."

1.03 PAYMENT BOND:

- A. The Contractor shall provide an executed AIA Document A312, 2010 edition Payment Bond as part of the Contract Document. The following supplements modify, change, delete from or add to the Performance Bond AIA 312, 2010 edition and must be included in the executed document.

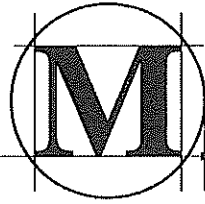
1.04 STATE LAW:

- A. The above mentioned documents are construction industry standards but whenever a conflict arises between the documents and the State of Mississippi Law, the State Law governs. All of the terms and provisions of Sections 31-5-3, 31-5-51 and 31-5-53 of the Mississippi Code 1972, Annotated as amended are made a part of hereof and fully incorporated herein the Performance and Payment Documents.

1.05 POWER OF ATTORNEY:

- A. Each Bond must be accompanied by an appropriate Power of Attorney.

END OF SECTION



McMASTER & ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS

December 18, 2019

ADDENDUM NO. ONE (1) – CIVIL ENGINEERING ITEMS

Replacement Facility for Tippah County Hospital
Ripley, Mississippi
McMaster & Associates, Inc. – M-2696

Plan Holders,

The following changes and clarifications are hereby made a part of and take precedence over conflicting sections of the Drawings and Specifications.

GENERAL INFORMATION AND CLARIFICATIONS:

- 1.1 Per sheet C0.2 - Geotechnical Notes, Notes 4, 5 and 6 - Contractor shall undercut soft/compressible/unsuitable soils to provide a 5 feet thick soil buffer of compacted select fill (Lean Clay) under buildings and a 2 feet thick soil buffer of compacted select fill (Lean Clay) below the granular subbase in drives and parking areas as part of the base bid work. Any additional undercut and imported fill deemed necessary by the testing agency shall be provided by Contractor with compensation determined by volume (cubic yard) calculations multiplied by the unit cost amount provided by the Contractor on the bid form.
Any existing material that is found to be suitable within the required soil buffer and will not require undercut and fill may remain in place and a credit will be given to Owner based on the unit cost provided by Contractor on the bid form. The testing agency shall verify this condition onsite as the work progresses.

PERTAINING TO THE DRAWINGS:

- 1.2 Enclosed is revised C2.2-'Grading and Drainage' with pipe size changes. Also, the 8'x4' concrete box culvert wall thickness should be modified for low cover per Standard Sheet 288 in the drawings.
- 1.3 Enclosed is revised C3.1-'Utility Plan' including a color legend for the utilities included in Alternate No. 1.

END OF CIVL ITEMS FOR ADDENDUM NO. ONE (1)

REPLACEMENT FACILITY FOR TIPPAAH COUNTY HOSPITAL

A. Mechanical Specifications

1. Section 230685 MODULAR MECHANICAL PLANT- paragraph 2.3.B.6. Add the following sentences to the end of this paragraph. Field applied rigid board insulation may be applied to the inside of the modular plant to achieve the overall r-value of the roof/wall assembly specified. Product shall be equal to Johns Mansville mechanical insulation 800 series 2" thick, 3.0 pcf density, white ASJ facing inward.

B. Mechanical Drawings

1. Sheet FP101 - 1/FP101 Enlarged Fire Sprinkler Plan. Change size of site fire piping entering the building from 6" to 8" to match Civil Drawings.
2. Sheet P201.3 - Enlarged Medical Gas Plan Part "3". Delete sheet in its entirety and replace with the revised sheet attached. Changed piping system designations to be consistent with the medical gas outlets.
3. Sheet P201.5 - Enlarged Medical Gas Plan Part "5". Delete sheet in its entirety and replace with the revised sheet attached. Added slide bracket to the vacuum medical gas outlets in the Pre-Op and Post-Op rooms. Added Medical Waste Anesthetic Gas Disposal piping to Operating Room.
4. Sheet M101.1A - 1/M101.1A - Enlarged HVAC Plan Part "1A". Add fire damper in 14" diameter medium pressure supply duct serving VAV-6-05.
5. Sheet M201.1 - Enlarged HVAC Piping Plan Part "1". Delete sheet in its entirety and replace with the revised sheet attached. Relocated all thermostats to align with walls.

END OF MECHANICAL ITEMS FOR ADDENDUM

Jon D. Rice & Associates, LLC



Electrical Engineering Consultants
5403 Castlewoods Court • Suite G • Flowood, MS • 39232
Tel: 601-919-8040 Fax: 601-919-8060

December 18, 2019

Dean & Dean Architects
Attn: Kenny Oubre/Brad Heath
P.O. Box 4685
Jackson, MS 39216

Re: Replacement Facility for Tippah County Hospital – Addendum #1 (Electrical)

Electrical addendum items are as follows:

Sheet E001

1. Items have been added to the legend.

Sheet E002

1. Panel L2NC has been added to the Power Riser Diagram.
2. Panel HNPD name has been corrected on the Power Riser Diagram.

Sheet E003

1. The light fixture schedule has been modified.

Sheet E005

1. A 60A/3P breaker has been added to panel HNPD for connection to new panel L2NC.

Sheet E006

1. Panel L2NB has been added.
2. Panel LKEQ1 has been modified.

Sheet E201A

1. The downlights in Reception 100 have changed to type "H" downlights and one has been added.
2. A dimmer shall be installed in Reception 100 for control of downlights.

Sheet E201B

1. A Large Scale Patient Room Lighting Control Layout has been added to this sheet.
2. Fixture type "G" has changed to type "G2" in Chapel 1102.
3. A switch has been added for the cove lights in Chapel 1102.
4. A dimmer has been added for the type "G2" fixture in Chapel 1102.

Sheet E201C

1. Dimmers have been added to the lighting in Trauma Rooms 1120 and 1121.
2. A single dimmer has been added to the lighting in Procedure 1207.

Sheet E201D

1. Fixture type "K" has changed to fixture type "H" in the following rooms:
 - a. X-ray 504
 - b. Control Station 503
 - c. CT 501
 - d. Ultra 517
 - e. Bone Density 515.
2. Type "A2" light fixtures in rooms Ultra 517, and Bone Density 515 have been omitted.
3. The downlight layout and quantities have been modified in Ultra 517.
4. The switching has been modified in Ultra 517.
5. Fixture Type "V" has been added to the light fixture in Decontam Shower 1146.

6. A circuit has been shown to connect a type "Q" fixture to the other type "Q" fixtures in Teck 513.
7. Dimmers have been added to the lighting in OR 621.
8. Dimmer have been added to the lighting in Minor Procedure 623.

Sheet E301A

1. The kitchen equipment has been modified, and some equipment has been added in the kitchen.
2. Kitchen Equipment General Notes and Keynotes have been added to the Kitchen Equipment for clarifications.
3. A keynote has been added to clarify connections to motorized shades, and black-out blinds in Classroom. 121.
4. A circuit has been added in Nurse Manager 936.
5. Circuits have been added to the Coffee, and Microwave receptacles in Staff Breakroom 956.

Sheet E301B

1. A keynote has been added to clarify connections to motorized shades in Inpatient Rehab 950.

Sheet E401B

1. A Nurse Call Bed Station has been added to Patient Room 914.
2. Nurse Call Code Blue Stations have been added in all Patient Rooms.

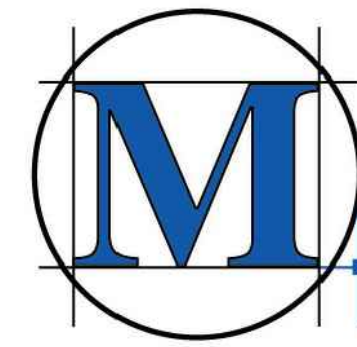
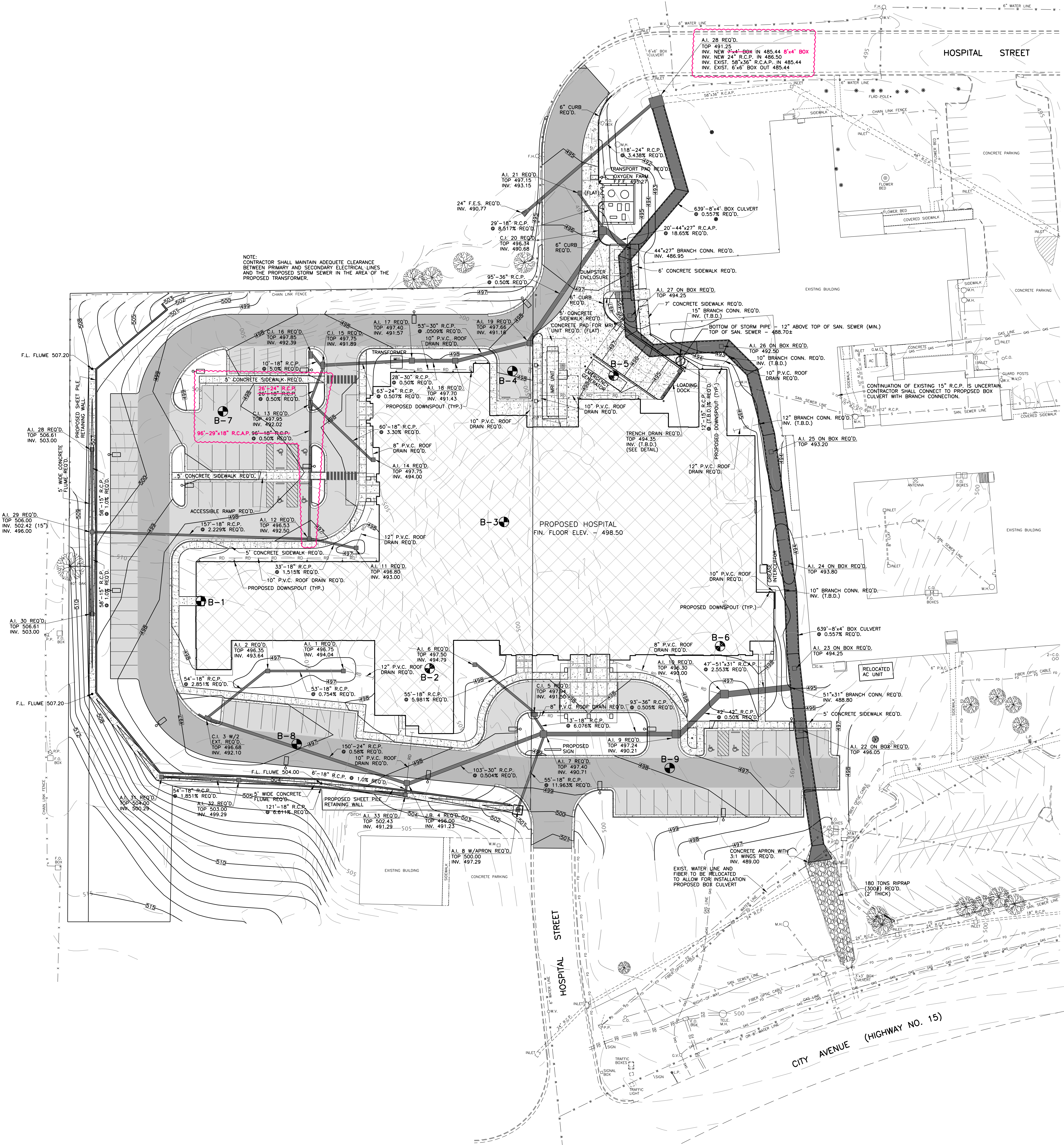
Sheet E602

1. Lighting Control Details have been added to this sheet.
2. A Patient Room Lighting Control Detail has been added to this sheet.

If you have any questions regarding this addendum, please call.

Thank you,

Michael Layman

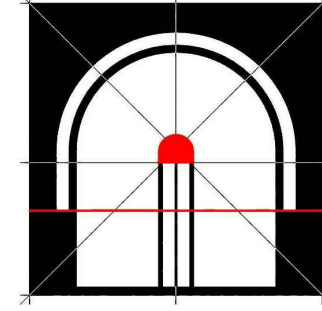
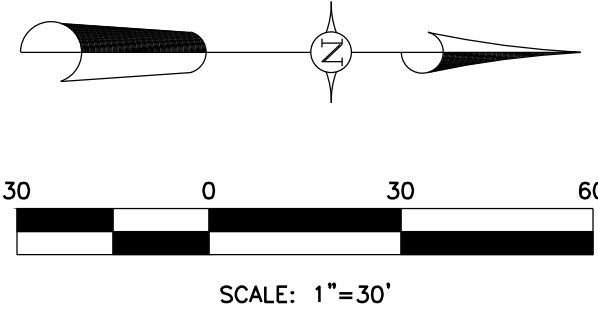


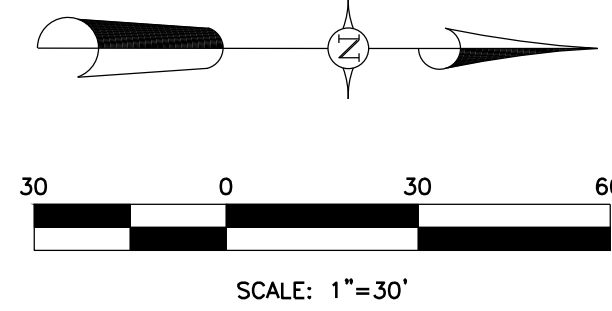
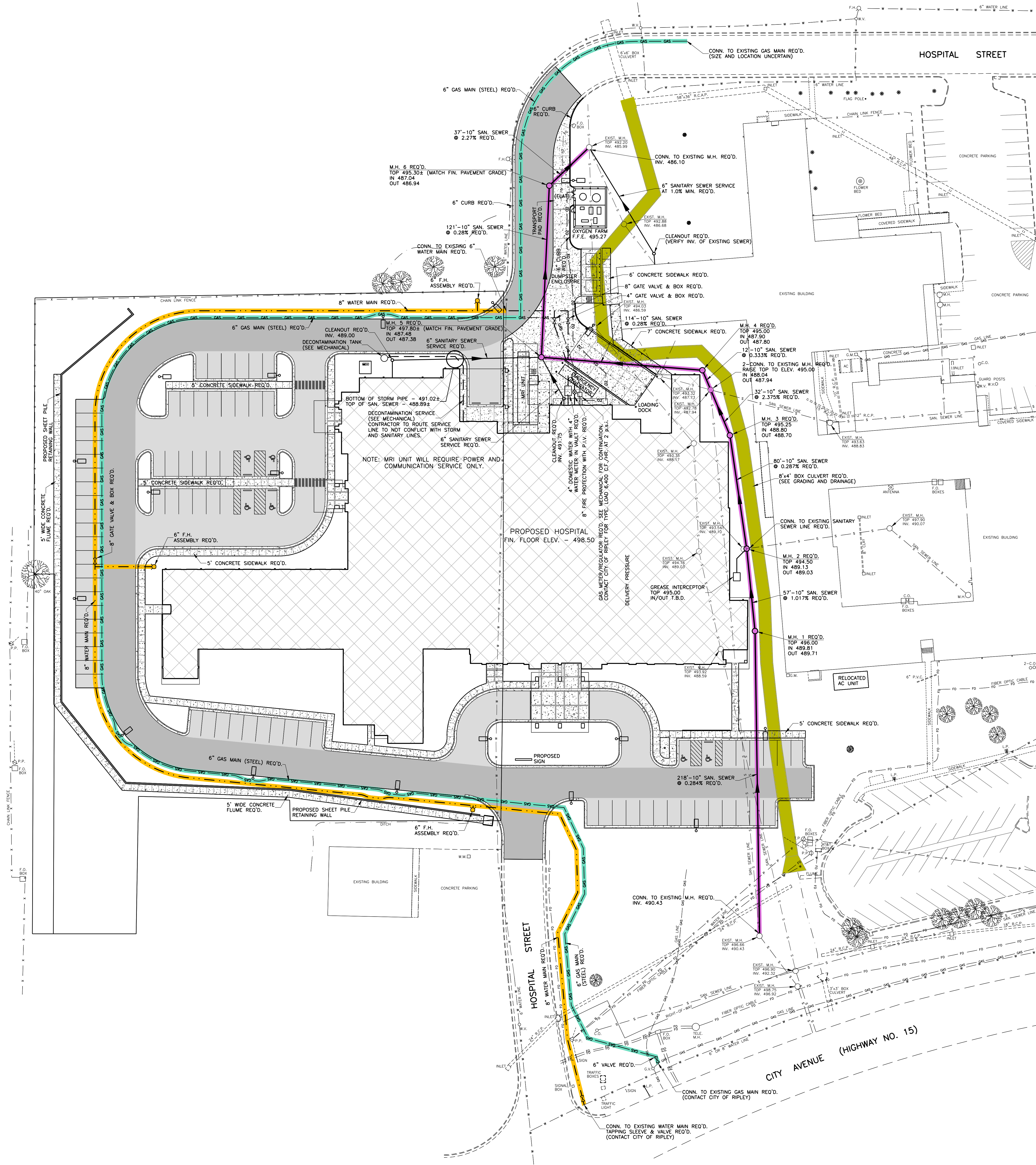
M-MASTER & ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS

212 WATERFORD SQUARE
SUITE 300
MADISON, MS 39110
601.605.1090

LEGEND	
	EXISTING CONTOUR
	PROPOSED CONTOUR
	EXISTING WATER LINE
	EXISTING GAS MAIN
	EXISTING SANITARY SEWER MAIN
	EXISTING OVERHEAD POWERLINE
	EXISTING UNDERGROUND FIBER OPTIC LINE
	EXISTING FENCE
	PROPOSED P.V.C. ROOF DRAIN
	PROPOSED LIGHT-DUTY ASPHALT PAVEMENT
	PROPOSED HEAVY-DUTY ASPHALT PAVEMENT
	PROPOSED CONCRETE PAVEMENT, CURB & GUTTER, AND SIDEWALK
	PROPOSED BUILDING

- NOTES:
1. CONTOUR INTERVAL = 1.00 FEET.
 2. THE INVERTS OF ALL INLETS SHALL BE GROUTED TO INSURE POSITIVE DRAINAGE.
 3. THE TOPS OF ALL INLETS SHALL MATCH THE SLOPE AND GRADE OF FINISHED ELEVATIONS.
 4. REFER TO C.O.2-GEOTECHNICAL NOTES FOR EXISTING SOILS INFORMATION AND GRADING/UNDERCUT REQ'S.
 5. BEFORE BACKFILLING AND SUBGRADE OPERATIONS COMMENCE, 98% DENSITY AND ACCEPTABLE STABILITY IS REQUIRED.
 6. CONTRACTOR TO ADJUST AREA INLET TOP ELEVATIONS TO FINISHED GRADE.
 7. ALL REFERENCES TO A.I. REFERS TO AREA INLETS, C.I. REFERS TO CURB INLETS, AND J.B. REFERS TO JUNCTION BOX.
 8. ALL ROOF DRAIN PIPE SHALL BE P.V.C., SCHEDULE 40. A CLEANOUT WILL BE REQUIRED AT ALL BENDS IN ROOF DRAIN FOR ACCESS AND MAINTENANCE.
 9. CONTRACTOR TO ADJUST AREA INLET TOP ELEVATIONS TO MATCH FINISHED GRADE.
 10. CONTRACTOR SHALL NOTIFY ENGINEER IF ANY UNKNOWN STORM PIPING IS DISCOVERED DURING PROJECT.
 11. CONTRACTOR SHALL COORDINATE THE REMOVAL OF EXISTING STORM AND SANITARY SEWERS WITH THE INSTALLATION OF THE NEW UTILITIES. SPECIAL CONSIDERATION SHOULD BE GIVEN TO THE TIMING OF THE INSTALLATION OF THE PROPOSED BOX CULVERT AND 10" SANITARY SEWER MAIN AS SHOWN IN THE PLANS. THESE IMPROVEMENTS ARE IN CLOSE PROXIMITY TO THE BUILDING FOUNDATION AND COULD DELAY/COMPLICATE CONSTRUCTION IF NOT PROPERLY PLANNED FOR. AT NO POINT SHALL UTILITY SERVICE TO THE EXISTING HOSPITAL BE INTERRUPTED. CONTRACTOR SHALL INCLUDE THIS WORK IN THE PROJECT SCHEDULE FOR OWNER/ARCHITECT REVIEW PRIOR TO BEGINNING CONSTRUCTION.
 12. BRANCH CONNECTIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MS DEPT. OF TRANSPORTATION STANDARD DETAILS, WORKING NUMBER BC-1 AND SHALL BE WATERTIGHT.





ALTERNATE NO. 1 LEGEND

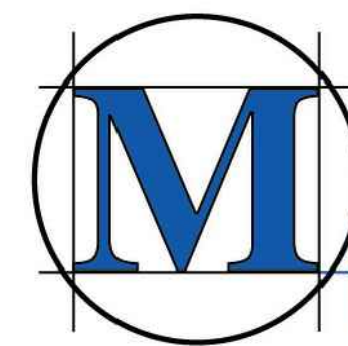
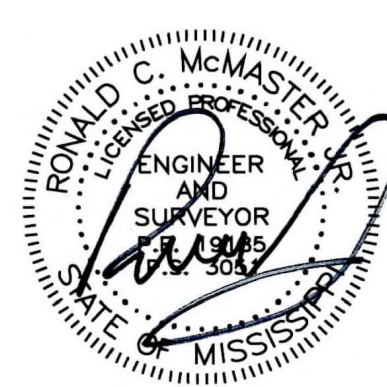
- 8'x4' BOX CULVERT
- SANITARY SEWER MAIN
- GAS MAIN
- WATER MAIN

NOTES:

- CONTRACTOR TO COORDINATE PROPOSED UTILITIES AND LIGHT POLE LOCATIONS (SEE ELECTRICAL).
- SEE PLUMBING FOR CONTINUATION OF WATER AND SANITARY SEWER.
- THE OWNER SHALL COORDINATE WITH GAS, COMMUNICATIONS AND ELECTRICAL PROVIDERS TO BRING SERVICE TO THE PROPOSED BUILDING AND GENERATOR.
- CONTRACTOR TO ROUTE PROPOSED WATER AND GAS TO AVOID CONFLICT WITH OTHER PROPOSED AND EXISTING UTILITIES.

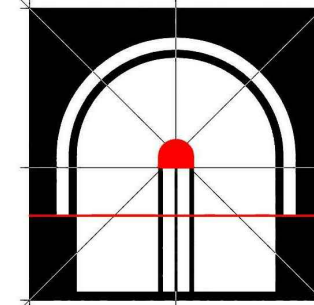
LEGEND

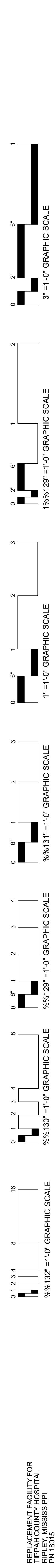
- PROPOSED WATER MAIN
- PROPOSED GRAVITY SEWER MAIN
- PROPOSED GAS MAIN
- PROPOSED OXYGEN LINE
- ALTERNATE NO. 1
- EXISTING WATER LINE
- EXISTING GAS MAIN
- EXISTING SANITARY SEWER MAIN
- EXISTING OVERHEAD POWERLINE
- EXISTING UNDERGROUND FIBER OPTIC LINE
- EXISTING FENCE
- PROPOSED LIGHT-DUTY ASPHALT PAVEMENT
- PROPOSED HEAVY-DUTY ASPHALT PAVEMENT
- PROPOSED CONCRETE PAVEMENT, CURB & GUTTER, AND SIDEWALK
- PROPOSED BUILDING



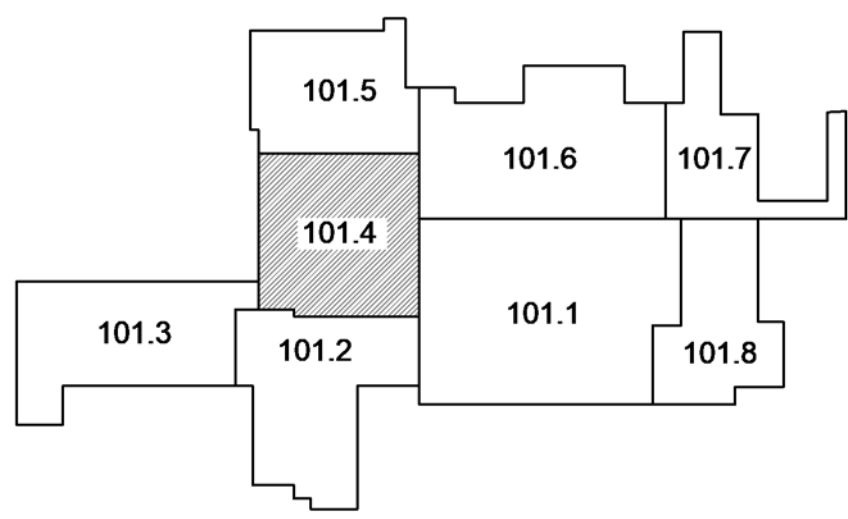
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CIVIL ENGINEERS & LAND SURVEYORS

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SUITE 300
MADISON, MS 39110
601.605.1090





SPECIFIC MED GAS NOTES	
M62	MEDICAL GAS AREA VALVE BOX ELEVATION WITH CENTER AT 54" AFF. VERIFY BOX MOUNTING DOES NOT COLLIDE WITH HARDWARE.
M63	MEDICAL GAS AREA ALARM PANEL, MOUNTED WITH CENTER AT 54" AFF. COORDINATE MOUNTING HEIGHT TO BE VISIBLE FROM NURSES STATION. VERIFY MOUNTING HEIGHT AND LOCATION WITH ARCHITECT.
M64	MEDICAL GAS MASTER ALARM PANEL, MOUNTED WITH CENTER AT 54" AFF. COORDINATE MOUNTING HEIGHT TO BE VISIBLE FROM NURSES STATION. VERIFY MOUNTING HEIGHT AND LOCATION WITH ARCHITECT.
M65	TYPICAL MEDICAL GAS PIPING DOWN IN WALL TO WALL INLETS/OUTLETS. SEE PLAN FOR SIZE OF PIPING AND QUANTITY OF OUTLETS. COORDINATE MOUNTING HEIGHT WITH ARCHITECT. OXYGEN, MEDICAL AIR, NITROUS OXIDE BRANCH PIPING SHALL BE 1/2" SIZE UNLESS OTHERWISE NOTED. MEDICAL VACUUM & WAGD BRANCH PIPING SHALL BE 3/4" SIZE UNLESS OTHERWISE NOTED.
M66	LOOK IN-LINE SERVICE VALVES IN EITHER OPEN OR CLOSED POSITION TO BE COMMONLY KEPT OPEN. LOOKS, VALVES INSTALLED FOR FUTURE SERVICE SHALL BE LOCKED CLOSED. ALL OTHER VALVES SHALL BE LOCKED OPEN.



ENLARGED MEDICAL GAS PLAN - PART "3"

GSK
MECHANICAL
Consulting Engineering
201 Park Court - Suite A | Ridgeland, MS 39157
P: 601.605.2930 F: 844.493.3111
www.gskmech.com
GSK#: 111-041

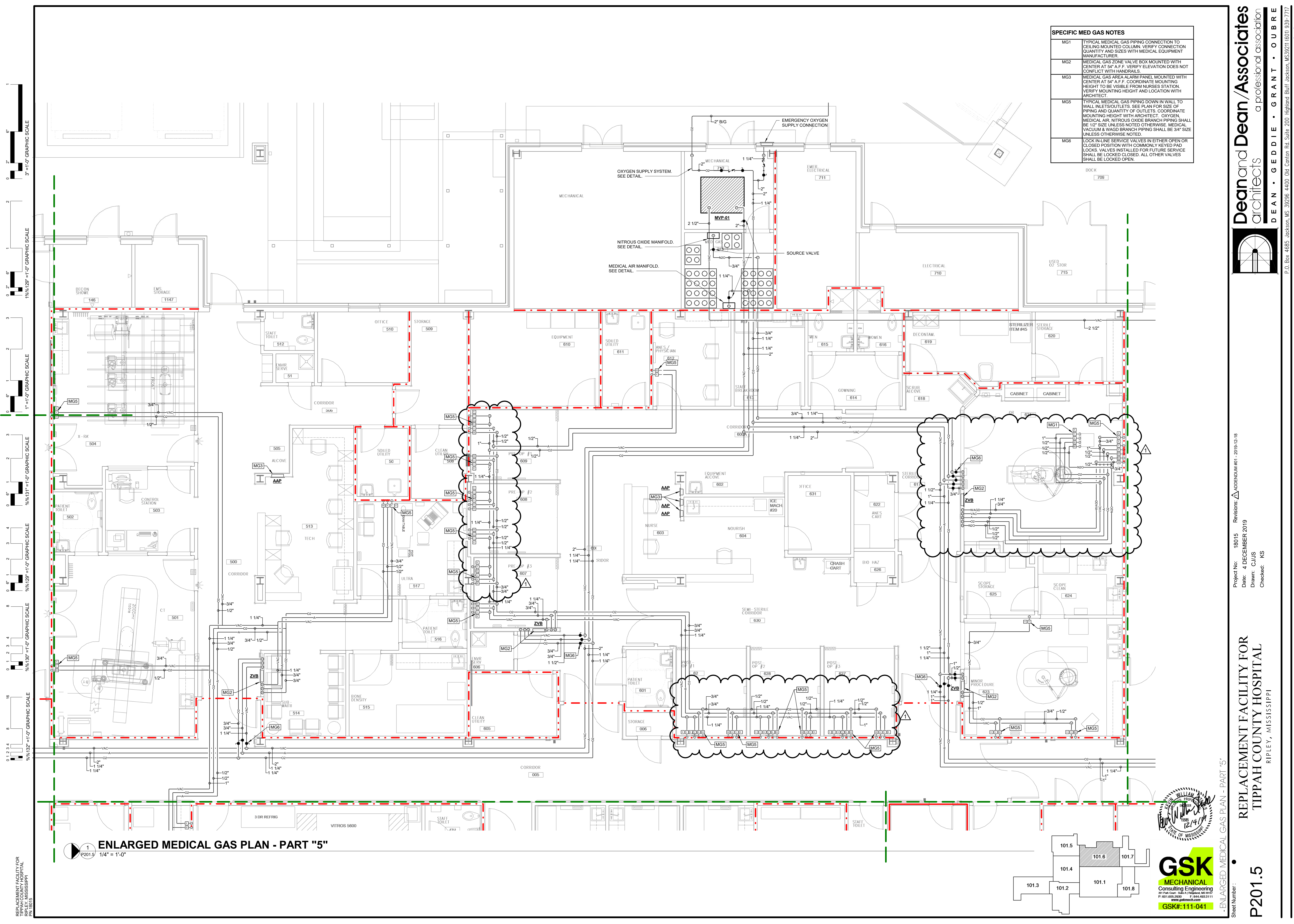
REPLACEMENT FACILITY FOR
TIPPAH COUNTY HOSPITAL
RIPLEY, MISSISSIPPI

Sheet Number: **P201.3**

Project No.: 18015 Revisions: Δ ADDENDUM #01 - 2019-12-18
Date: 4 DECEMBER 2019
Drawn: C/J/S
Checked: KS

Dean and Dean / Associates
architects a professional association
DEAN • GEDDIE • GRANT • OUBRE

P.O. Box 4685 Jackson, MS 39296 4400 Old Canton Rd Suite 200 Highland Blvd Jackson, MS 39211 (601) 939-7717
www.deandean.com



SPECIFIC MED GAS NOTES	
MG1	TYPICAL MEDICAL GAS PIPING CONNECTION TO CEILING MOUNTED COLUMN. VERIFY CONNECTION QUANTITY AND SIZES WITH MEDICAL EQUIPMENT MANUFACTURER.
MG2	MEDICAL GAS ZONE VALVE BOX MOUNTED WITH CENTER AT 54" A.F.F. VERIFY ELEVATION DOES NOT CONFLICT WITH HANDRAILS.
MG3	MEDICAL GAS AREA ALARM PANEL MOUNTED WITH CENTER AT 54" A.F.F. COORDINATE MOUNTING HEIGHT TO BE VISIBLE FROM NURSES STATION. VERIFY MOUNTING HEIGHT AND LOCATION WITH ARCHITECT.
MG5	TYPICAL MEDICAL GAS PIPING DOWN IN WALL TO WALL INLETS/OUTLETS. SEE PLAN FOR SIZE OF PIPING AND QUANTITY OF OUTLETS. COORDINATE MOUNTING HEIGHT WITH ARCHITECT. OXYGEN, MEDICAL AIR, NITROUS OXIDE BRANCH PIPING SHALL BE 1/2" SIZE UNLESS NOTED OTHERWISE. MEDICAL VACUUM & WAGD BRANCH PIPING SHALL BE 3/4" SIZE UNLESS OTHERWISE NOTED.
MG6	LOCK IN LINE SERVICE VALVES IN EITHER OPEN OR CLOSED POSITION WITH COMMONLY KEYPAD LOCKS. VALVES INSTALLED FOR FUTURE SERVICE SHALL BE LOCKED CLOSED. ALL OTHER VALVES SHALL BE LOCKED OPEN.

ENLARGED MEDICAL GAS PLAN - PART "5"

1/4" = 1'-0"



ELECTRICAL LEGEND

LIGHTING

SYMBOL	DESCRIPTION
	SINGLE FACED / DOUBLE FACED EXIT SIGN, CEILING MOUNT, ARROWS INDICATED DIRECTION.
	SINGLE FACED / DOUBLE FACED EXIT SIGN, WALL MOUNTED, ARROWS INDICATED DIRECTION.
	RECESSED LED FIXTURE WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
	LED STRIP WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
	CEILING OUTLET WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
	LED FIXTURE WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
	WALL BRACKET OUTLET WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
	LED WALL BRACKET OUTLET WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
	POLE MOUNTED AREA LIGHT WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
	EMERGENCY BATTERY LIGHT WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
	SOLID CIRCLE ON ANY LIGHT FIXTURE SYMBOL INDICATES NON-SWITCHED FIXTURE ON EMERGENCY POWER CIRCUIT.
	HATCH ON ANY LIGHT FIXTURE SYMBOL INDICATES FIXTURE ON EMERGENCY POWER CIRCUIT, AND CONNECTED FOR SWITCHED OPERATION.

SWITCHES

SYMBOL	DESCRIPTION
	SWITCH SINGLE POLE FLUSH TUMBLER. MOUNT CENTER LINE UP 42", UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.
	SWITCH, THREE-WAY TUMBLER, MOUNT CENTER LINE UP 42", UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.
	SWITCH, FOUR-WAY FLUSH TUMBLER. MOUNT CENTER LINE UP 42", UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.
	SWITCH, DIMMER TYPE, MOUNT CENTER LINE UP 42", UNLESS NOTED OTHERWISE. SEE LIGHTING CONTROL DETAILS.
	LOW VOLTAGE DIMMING POWER PACK. SEE LIGHTING CONTROL DETAILS.
	DIMMER BUTTON STATION, MOUNT CENTER LINE UP 42", UNLESS NOTED OTHERWISE. SEE LIGHTING CONTROL DETAILS.
	WALL MOUNT, DUAL TECHNOLOGY, OCCUPANCY SENSOR, MOUNT CENTER LINE UP 42", UNLESS NOTED OTHERWISE. SEE LIGHTING CONTROL DETAILS.
	KEYED RAISE/LOWER SWITCH (BY OTHERS), MOUNT UP CENTER LINE 42" A.F.F. UNLESS NOTED OTHERWISE.
	RAISE/LOWER SWITCH, MOUNT CENTER LINE UP 42", UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.
	LOW VOLTAGE OCCUPANCY SENSOR POWER PACK. SEE LIGHTING CONTROL DETAILS.
	LOW VOLTAGE CEILING MOUNT OCCUPANCY SENSOR. SEE LIGHTING CONTROL DETAILS.
	MANUAL MOTOR SWITCH, SINGLE POLE, FLUSH MOUNTING, MOUNT UP CENTER LINE 42" A.F.F. UNLESS NOTED OTHERWISE.
	PHOTO ELECTRIC CONTROLLER. MOUNT ON FLOOR, OR AS NOTED ON PLANS, AND NORTH.
	CONTACTOR, SIZE AND NUMBER OF POLES AS INDICATED.
	SWITCH FUSED SAFETY, WITH FRAME SIZE AND FUSE SIZE. 250V OR 480V.
	SWITCH NON-FUSED SAFETY, NUMBER POLES, AMPS, 250V OR 480V.
	PUSH TO EXIT BUTTON, MOUNT CENTER LINE UP 42" OR AS NOTED.
	CARD ACCESS STATION.
	CONNECTION TO I.R. DOOR OPERATOR.
	WALL MOUNTED PUSH-BUTTON, MOUNT CENTER LINE UP 42" OR AS NOTED.
	ELECTRICALLY CONTROLLED DOOR LOCK.
	PATIENT ROOM LIGHTING CONTROLLER. SEE PATIENT ROOM LIGHTING CONTROL DETAIL.
	PATIENT ROOM LIGHTING CONTROL WALL STATION. SEE PATIENT ROOM LIGHTING CONTROL DETAIL.
	PATIENT ROOM PILLOW SPEAKER. SEE PATIENT ROOM LIGHTING CONTROL DETAIL.

ELECTRICAL SHEET INDEX

SHEET	SHEET NAME
E001	ELECTRICAL LEGEND, AND INDEX
E002	POWER RISER DIAGRAM
E003	ELECTRICAL SCHEDULES
E004	ELECTRICAL SCHEDULES
E005	ELECTRICAL SCHEDULES
E006	ELECTRICAL SCHEDULES
E007	ELECTRICAL SCHEDULES
E101	SITE PLAN - ELECTRICAL
E201A	PARTIAL FLOOR PLAN - LIGHTING PART "A"
E201B	PARTIAL FLOOR PLAN - LIGHTING PART "B"
E201C	PARTIAL FLOOR PLAN - LIGHTING PART "C"
E201D	PARTIAL FLOOR PLAN - LIGHTING PART "D"
E301A	PARTIAL FLOOR PLAN - POWER PART "A"
E301B	PARTIAL FLOOR PLAN - POWER PART "B"
E301C	PARTIAL FLOOR PLAN - POWER PART "C"
E301D	PARTIAL FLOOR PLAN - POWER PART "D"
E401A	PARTIAL FLOOR PLAN - SYSTEMS PART "A"
E401B	PARTIAL FLOOR PLAN - SYSTEMS PART "B"
E401C	PARTIAL FLOOR PLAN - SYSTEMS PART "C"
E401D	PARTIAL FLOOR PLAN - SYSTEMS PART "D"
E501A	PARTIAL FLOOR PLAN - MECHANICAL EQUIPMENT CONNECTIONS PART "A"
E501B	PARTIAL FLOOR PLAN - MECHANICAL EQUIPMENT CONNECTIONS PART "B"
E501C	PARTIAL FLOOR PLAN - MECHANICAL EQUIPMENT CONNECTIONS PART "C"
E501D	PARTIAL FLOOR PLAN - MECHANICAL EQUIPMENT CONNECTIONS PART "D"
E502	ROOF PLAN - MECHANICAL EQUIPMENT CONNECTIONS PART "D"
E601	LARGE SCALE PARTIAL FLOOR PLANS - ELECTRICAL AND IT ROOMS
E602	ELECTRICAL DETAILS
E603	LARGE SCALE OPERATING ROOM, MINOR PROCEDURE, AND TRAUMA ROOM PLANS - ELECTRICAL
E604	CT SCANNER FLOOR PLAN - ELECTRICAL
E605	X-RAY FLOOR PLAN - ELECTRICAL

ELECTRICAL LEGEND

POWER DISTRIBUTION

SYMBOL	DESCRIPTION
	HOME RUN, (CONDUIT AND WIRING) PANEL AND CIRCUIT DESIGNATION, NUMBER OF CONDUCTORS. GROUNDING CONDUCTOR ARE NOT INDICATED BY MARKS, BUT ARE REQUIRED AND SIZED PER BRANCH CIRCUIT UNLESS OTHERWISE NOTED.
	BRANCH CIRCUIT, (CONDUIT AND WIRING) PANEL AND CIRCUIT DESIGNATION, NUMBER OF CONDUCTORS. GROUNDING CONDUCTORS ARE NOT INDICATED BY MARKS, BUT ARE REQUIRED AND SIZED PER BRANCH CIRCUIT UNLESS OTHERWISE NOTED.
	RACEWAY INSTALLED CONCEALED ABOVE CEILING OR IN WALL.
	RACEWAY INSTALLED CONCEALED IN SLAB OR BELOW GRADE.
	UNDERGROUND ELECTRICAL CIRCUIT.
	UNDERGROUND ELECTRICAL PRIMARY CIRCUIT.
	UNDERGROUND ELECTRICAL SECONDARY CIRCUIT.
	UNDERGROUND FIBER OPTIC CABLE.
	BRANCH CIRCUIT (CONDUIT AND WIRING) IN FLEXIBLE METAL CONDUIT, NUMBER OF CONDUCTORS. (6"-0" MAXIMUM LENGTH).
	GROUND PER NEC ARTICLE 250.
	CONDUIT UP / CONDUIT DOWN.
	DISTRIBUTION / POWER PANEL, SURFACE MOUNTED.
	ELECTRICAL PANEL, 250 VOLT SYSTEM, SURFACE / FLUSH MOUNT.
	ELECTRICAL PANEL, 480 VOLT SYSTEM, SURFACE / FLUSH MOUNT.
	ENERGY MANAGEMENT SYSTEM CONTROL PANEL. FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR. ELECTRICAL CONNECTIONS BY ELECTRICAL CONTRACTOR.
	AUTOMATIC TRANSFER SWITCH.
	FAULT INDICATOR PANEL, SEE SPECIFICATIONS.
	NEW POLE.
	EXISTING POLE TO REMAIN.
	3ø POLE MOUNTED TRANSFORMER BANK, BY UTILITY CO.
	1ø POLE MOUNTED TRANSFORMER, BY UTILITY CO.
	METER SOCKET. - SEE RISER / ONE LINE.
	ELECTRICAL PULL BOX.
	CONNECTION TO MOTOR.
	VARIABLE FREQUENCY DRIVE.
	TRANSFORMER, DRY TYPE, KVA.
	VARIABLE AIR VOLUME BOX AND MARK.

RECEPTACLES

SYMBOL	DESCRIPTION
	DUPLEX GROUNDABLE RECEPTACLE, 120 VOLTS, NEMA 5-20R, WITH CIRCUIT NUMBER. MOUNT UP 18" A.F.F. / 4" CENTER LINE ABOVE COUNTER BACKSPASH OR 42" A.F.F. UNLESS NOTED OTHERWISE.
	DOUBLE DUPLEX GROUNDABLE RECEPTACLES, 120 VOLTS, NEMA 5-20R, WITH CIRCUIT NUMBER. MOUNT UP 18" A.F.F. / 4" CENTER LINE ABOVE COUNTER BACKSPASH OR 42" A.F.F. UNLESS NOTED OTHERWISE.
	DUPLEX GROUND FAULT INTERRUPTER TYPE RECEPTACLE, 120 VOLTS, NEMA 5-20R, WITH CIRCUIT NUMBER. MOUNT UP 18" A.F.F. / 4" CENTER LINE ABOVE COUNTER BACKSPASH OR 42" A.F.F. UNLESS NOTED OTHERWISE.
	DUPLEX GROUNDABLE, SAFETY TYPE, 120 VOLTS, NEMA 5-20R, WITH CIRCUIT NUMBER. MOUNT UP 18" CENTER LINE A.F.F. / 4" ABOVE COUNTER BACKSPASH OR 42" A.F.F. UNLESS NOTED OTHERWISE.
	TV THIS NOTATION ADJACENT TO ANY RECEPTACLE SYMBOL INDICATES RECEPTACLE TO BE MOUNTED ADJACENT TO CABLE TV OUTLET.
	WP THIS NOTATION ADJACENT TO ANY RECEPTACLE SYMBOL INDICATES DUPLEX GROUNDABLE, 120 VOLT, NEMA 5-20R, GROUND FAULT INTERRUPTER TYPE RECEPTACLE IN A DAMP LOCATION, SHALL HAVE AN ENCLOSURE THAT IS WEATHERPROOF WHEN THE RECEPTACLE IS COVERED. (PLUG NOT INSERTED AND RECEPTACLE COVERS CLOSED). (COMPLIES WITH SECTION 410-57(o) OF 1999 N.E.C.).
	CEILING MOUNTED CABLE REEL WITH 120V DUPLEX RECEPTACLE.

NURSE CALL SYSTEM

SYMBOL	DESCRIPTION
	NURSE CALL SYSTEM MASTER CONTROL UNIT, AUDIO VISUAL.
	WALL TYPE EMERGENCY CALLING STATION WITH CALL CORD, MOUNT UP CENTER LINE 2'-6" A.F.F.
	BED SIDE EMERGENCY CALLING STATION, WITH CALL CORD, MOUNT CENTER LINE UP 2'-6" A.F.F.
	AUDIO/VISUAL NURSE CALL STAFF STATION, MOUNT CENTER LINE 5'-0" A.F.F.
	DUTY STATION, MOUNT CENTER LINE UP 5'-0" A.F.F.
	CODE BLUE STATION, MOUNT CENTER LINE UP 2'-6" A.F.F.
	CORRIDOR DOME LIGHT, MOUNT CENTER LINE UP 80" ABOVE FINISHED FLOOR OR 6" BELOW CEILING WHICHEVER LOWER.
	NURSE CALL SYSTEM TERMINAL CABINET WITH POWER SUPPLY, HOMERUNS TO THIS POINT, WITH HINGED FLUSH DOORS, MOUNTED FLUSH.

KEYNOTES

SYMBOL	DESCRIPTION
	SHEET KEYNOTE.
	POWER RISER KEYNOTE.
	REVISION KEYNOTE.
	MECHANICAL EQUIPMENT KEYNOTE, SEE MECHANICAL EQUIPMENT POWER CONNECTION SCHEDULE.
	KITCHEN EQUIPMENT KEY NOTE.

CONDUCTOR SIZING CHART

MAX. DISTANCE IN FEET	120 VOLT	277 VOLT
75'	#12	#12
120'	#10	#12
130'	#8	#12
150'	#6	#10
200'	#6	#10
250'	#6	#8
THIS TABLE REFLECTS VOLTAGE DROP FOR 15 AND 20 AMP CIRCUITS		

ELECTRICAL LEGEND

FLOOR BOXES

SYMBOL	DESCRIPTION
	FLOOR BOX, SINGLE GANG, FOR COMBINATION TELEPHONE AND DATA, FLUSH TYPE.
	FLOOR BOX, SINGLE GANG, FOR TELEPHONE, FLUSH TYPE.
	FLOOR BOX, SINGLE GANG, FOR DATA, FLUSH TYPE.
	FLOOR BOX, DOUBLE GANG, FOR COMBINATION TELEPHONE, DATA AND DUPLEX GROUNDABLE RECEPTACLE, 120V, NEMA 5-20R, FLUSH TYPE.
	FLOOR BOX, DOUBLE GANG, FOR DATA AND DUPLEX GROUNDABLE RECEPTACLE, 120V, NEMA 5-20R, FLUSH TYPE.
	FLOOR BOX, DOUBLE GANG, FOR TELEPHONE AND DUPLEX GROUNDABLE RECEPTACLE, 120V, NEMA 5-20R, FLUSH TYPE.
	FLOOR BOX, SINGLE GANG, FOR DUPLEX GROUNDABLE RECEPTACLE, 120V, NEMA 5-20R, FLUSH TYPE.
	FLOOR BOX, DOUBLE GANG, DOUBLE DUPLEX GROUNDABLE RECEPTACLE, 120V, NEMA 5-20R, FLUSH TYPE.
	FLOOR BOX, THREE GANG, COMBINATION TELEPHONE, DATA, AND DOUBLE DUPLEX GROUNDABLE RECEPTACLE, 120V, NEMA 5-20R, FLUSH TYPE.

FIRE ALARM

SYMBOL	DESCRIPTION
	FIRE ALARM SYSTEM CONTROL CABINET, MOUNT CENTER LINE 4'-6". ROUTE ALL FIRE ALARM HOMERUNS TO THIS POINT.
	FIRE ALARM SYSTEM REMOTE ANNUNCIATOR, MOUNT CENTER LINE UP 4'-6".
	FIRE ALARM SYSTEM MANUAL STATION, MOUNT CENTER LINE UP 42".
	FIRE ALARM SYSTEM SMOKE DETECTOR, CEILING MOUNTED.
	RATE OF RISE / THERMAL DETECTOR WITH 135°C ELEMENT.
	DUCT SMOKE DETECTOR, PHOTO ELECTRIC TYPE WITH SAMPLING TUBES, INSTALL IN DUCT AS DIRECTED BY MECHANICAL CONTRACTOR.
	SMOKE DETECTOR WITH ELEVATOR RECALL - PHOTO ELECTRIC TYPE WITH 2P20A AUXILIARY CONTACTS FOR ELEVATOR RECALL, CEILING MOUNTED, RUN ½" C, 2-#12, #12 -G- FROM DETECTOR TO ELEVATOR CONTROL PANEL.
	FIRE ALARM CONNECTION TO TAMPER SWITCH.
	FIRE ALARM CONNECTION TO FLOW SWITCH.
	MAGNETIC DOOR HOLD OPEN - FIRE ALARM DEVICE.
	FIRE ALARM SYSTEM AUDIBLE AND VISUAL ALARM DEVICE, MOUNT CENTER LINE UP 84" ABOVE FINISHED FLOOR OR 6" BELOW CEILING WHICHEVER IS LOWER, STROBE 110 CD UNLESS NOTED.
	FIRE ALARM SYSTEM VISUAL ALARM DEVICE, MOUNT CENTER LINE UP 84" ABOVE FINISHED FLOOR OR 6" BELOW CEILING WHICHEVER IS LOWER, STROBE 110 CD UNLESS NOTED.
	FIRE ALARM SYSTEM AUDIBLE ALARM DEVICE, MOUNT CENTER LINE UP 96" ABOVE GRADE. SUITABLE FOR WET LOCATION.
	120V CONNECTION AND MONITORING FOR COMBINATION FIRE/SMOKE DAMPER.
	CONNECTION TO POST INDICATOR VALVE.

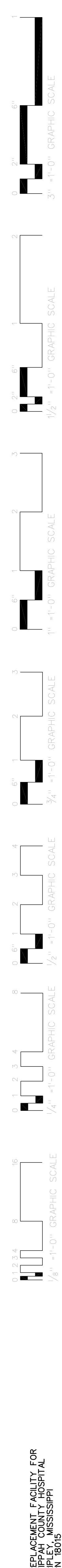
COMMUNICATIONS

SYMBOL	DESCRIPTION
	TELEPHONE BACKBOARD, SIZE AS NOTED, ¾" PLYWOOD, LONG DIMENSION VERTICAL. TERMINATE ALL TELEPHONE HOMERUNS AT THIS POINT AND BUSH.
	TELEPHONE OUTLET AND PLATE, ¾" OR SIZE AS NOTED CONDUIT STUBBED UP ABOVE ACCESSIBLE CEILING. MOUNT OUTLET CENTER LINE UP 18" A.F.F. / 4" ABOVE COUNTER BACKSPASH, UNLESS NOTED OTHERWISE.
	DATA OUTLET AND PLATE, ¾" OR SIZE AS NOTED CONDUIT STUBBED UP ABOVE ACCESSIBLE CEILING. MOUNT OUTLET CENTER LINE UP 18" A.F.F. / 4" ABOVE COUNTER BACKSPASH, UNLESS NOTED OTHERWISE.
	COMBINATION TELEPHONE/DATA OUTLET AND PLATE, ¾" OR SIZE AS NOTED CONDUIT STUBBED UP ABOVE ACCESSIBLE CEILING. MOUNT OUTLET CENTER LINE UP 18" A.F.F. / 4" ABOVE COUNTER BACKSPASH, UNLESS NOTED OTHERWISE.
	CATV OUTLET AND PLATE, ¾" OR SIZE AS NOTED CONDUIT STUBBED UP ABOVE ACCESSIBLE CEILING. MOUNT OUTLET CENTER LINE UP 18", UNLESS NOTED OTHERWISE ON THE PLAN OR IN THE SPECIFICATIONS.
	SURFACE JUNCTION BOX, SIZE AND MOUNTING HEIGHT AS NOTED.
	RECESSED JUNCTION BOX, SIZE AND MOUNTING HEIGHT AS NOTED.
	CCTV CAMERA CONNECTION, WITH POWER SUPPLY.
	CCTV, CAMERA CONNECTION WITH POWER SUPPLY, PAN-TILT-ZOOM TYPE, IN WEATHERPROOF ENCLOSURE MOUNTED TO POLE.

MISCELLANEOUS

SYMBOL	DESCRIPTION
	SINGLE-FACED CLOCK.
	DOUBLE-FACED CLOCK.
	WALL MOUNTED INTERCOM SPEAKER.
	P.A. MASTER STATION.
	INTERCOM STATION.
	MASTER MEDICAL GAS ALARM PANEL.
	REMOTE MEDICAL GAS ALARM PANEL.
	120V CONNECTION TO WATER TREATMENT SYSTEM. PROVIDE MOTOR RATED SWITCH WITH OVERLOAD PER NAMEPLATE AS DISCONNECTING MEANS.
	120V CONNECTION TO MIXING VALVE. PROVIDE MOTOR RATED SWITCH WITH OVERLOAD PER NAMEPLATE AS DISCONNECTING MEANS.





PANEL NAME: SWBD		MAIN BUS: 2000 AMPS		KAIC RATING: 35 KAIC		
VOLTAGE: 277/480V, 3ø, 4W		NEUTRAL BUS.: 2000 AMPS		CONNECTED LOAD: 1751.4 AMPS		
MOUNTING: HOUSEKEEPING PAD		GROUND BUS: 1000 AMPS		DEMAND LOAD:		
CIR. NO.	LOAD	BREAKER FRAME	TRIP RATING	FEEDER CIRCUIT	LOAD KVA	REMARKS
1	HNBP	800	800	SEE RISER	453.33	
2	LIFE SAFETY ATS	225	225	SEE RISER	38.2	--
3	CRITICAL ATS	600	600	SEE RISER	139.86	--
4	EQ BRANCH 1 ATS	1000	1000	SEE RISER	686.09	--
5	EQ BRANCH 2 ATS	400	400	SEE RISER	262	--
6	CHILLER	400	400	SEE RISER	158.9	--
7	MRI	200	200	SEE RISER	125	--
8	FUTURE	400	400	SEE RISER	--	FUTURE FOR NURSING HOME
9	SPD	100	100	SEE RISER	--	--
10	SPARE	--	--	--	--	--
11	SPARE	--	--	--	--	--
		CONNECTED KVA	DIVERSITY	DEMAND KVA	CONNECTED AMPS	DEMAND AMPS
HNBP		--	--	--	--	--
LIFE SAFETY ATS		--	--	--	--	--
CRITICAL ATS		--	--	--	--	--
EQ 1 ATS		--	--	--	--	--
EQ2 ATS		--	--	--	--	--
CHILLER		--	--	--	--	--
MRI		--	--	--	--	--
TOTAL LOAD		1455.4	--	--	1751.4	--

PANEL NAME: EDP		MAIN BUS: 1600AMPS		KAIC RATING: 35 KAIC			
VOLTAGE: 277/480V, 3ø, 4W		NEUTRAL BUS.: 1600 AMPS		CONNECTED LOAD: 1355 AMPS			
MOUNTING: SURFACE		GROUND BUS: 800 AMPS		DEMAND LOAD:			
CIR. NO.	LOAD	BREAKER FRAME	TRIP RATING	FEEDER CIRCUIT	LOAD KVA	REMARKS	
1	ATS-LS	225	225	SEE RISER	38.2	--	
2	ATS-CR	600	600	SEE RISER	139.9	--	
3	ATS-EQ1	1000	1000	SEE RISER	686.1	--	
4	ATS-EQ2	400	400	SEE RISER	262	--	
5	FUTURE	200	200	SEE RISER	--	FUTURE FOR NURSING HOME	
6	SPD	100	100	SEE RISER	--	--	
CONNECTED KVA		DIVERSITY		DEMAND KVA		CONNECTED AMPS	DEMAND AMPS
LIFE SAFETY ATS		--	--	--	--	--	--
CRITICAL ATS		--	--	--	--	--	--
EQ 1 ATS		--	--	--	--	--	--
EQ2 ATS		--	--	--	--	--	--
MISCELLANEOUS LOAD		--	--	--	--	--	--
TOTAL LOAD		1126.2	--	--	--	--	--

PANEL NAME: HIEGA		SIZE: 400 AMP		KAIC RATING: 36 KAIC				
VOLTAGE: 277/480V, 3ø, 4w		MAIN BKR.: MLO		CONNECTED: 344 AMPS				
MOUNTING: SURFACE		LOCATION: ELEC. 710		DEMAND:				
CIR. NO.	LOAD	BREAKER AMPS/POLES	LOAD KVA/PHASE			BREAKER AMPS/POLES	LOAD	CIR. NO.
			A	B	C			
1	AHU-1	70A/3P	13.85 / 10.3			50A/3P	AHU-2	2
3	I	I		13.85 / 10.3		I	I	4
5	I	I			13.85 / 10.3	I	I	6
7	AHU-4	30A/3P	4.82 / 6.65			40A/3P	AHU-5	8
9	I	I		4.82 / 6.65		I	I	10
11	I	I			4.82 / 6.65	I	I	12
13	AHU-6	30A/3P	4.82 / 3.38			20A/3P	AHU-9	14
15	I	I		4.82 / 3.38		I	I	16
17	I	I			4.82 / 3.38	I	I	18
19	MAU-01	15A/3P	1.33 / 7.95			40A/3P	HWPS-01	20
21	I	I		1.33 / 7.95		I	I	22
23	I	I			1.33 / 7.95	I	I	24
25	CHPS-01	70A/3P	15.5 / 5.93			40A/3P	MVP-01	26
27	I	I		15.5 / 5.93		I	I	28
29	I	I			15.5 / 5.93	I	I	30
31	KEF-01	15A/3P	1.33 / 9.33			40A/3P	HOOD DIST. SYSTEM	32
33	I	I		1.33 / 9.33		I	I	34
35	I	I			1.33 / 9.33	I	I	36
37	SPARE	20A/1P	----	----	----	20A/1P	SPARE	38
39	SPARE	20A/1P	----	----	----	20A/1P	SPARE	40
41	SPARE	20A/1P	----	----	----	20A/1P	SPARE	42
43	STERILIZER-DECON. 619	50A/3P	9.97			20A/1P	SPARE	44
45	I	I		9.97	----	20A/1P	SPARE	46
47	I	I			9.97	20A/1P	SPARE	48
49	SPACE		----	----	----		SPACE	50
51	SPACE				----		SPACE	52
53	SPACE				----		SPACE	54
55	SPACE		----	----	----	60A/3P	SPD	56
57	SPACE				----	I	I	58
59	SPACE				----	I	I	60
TOTAL VA. PER #			95.16	95.16	95.16			
		CONNECTED KVA	DIVERSITY	DEMAND KVA		CONNECTED AMPS	DEMAND AMPS	
LIGHTS		--	--	--		--	--	
RECEPTACLES		--	--	--		--	--	
A/C		--	--	--		--	--	
ELECTRIC HEAT		--	--	--		--	--	
KITCHEN EQUIPMENT		--	--	--		--	--	
MISCELLANEOUS LOAD		--	--	--		--	--	
TOTAL LOAD		285.48	--	--		344	--	

PANEL NAME: HNBP		SIZE: 800 AMP		KAIC RATING: 36 KAIC				
VOLTAGE: 277/480V, 3ø, 4W		MAIN BKR.: MLO		CONNECTED: 588 AMPS				
MOUNTING: SURFACE		LOCATION: ELEC. 710		DEMAND:				
CIR. NO.	LOAD	BREAKER AMPS/POLES	LOAD KVA/PHASE			BREAKER AMPS/POLES	LOAD	CIR. NO.
			A	B	C			
1	H1NA	100A/3P	2.89	4.3		100A/3P	H2NA	2
3	I	I		3.11	4.45	I	I	4
5	I	I			2.57	2.34	I	6
7	L1NA	70A/3P	24.02	27.74		70A/3P	L2NA	8
9	45 KVA XFMR	I		22.1	26.28	I	45 KVA XFMR	10
11	I	I			21.22	24.62	I	12
13	L1NB	60A/3P	7.36	21.72		70A/3P	L2NB	14
15	30 KVA XFMR	I		9.46	25.06	I	45 KVA XFMR	16
17	I	I			6.85	20.98	I	18
19	L1M	60A/3P	8.46	22.09		100A/3P	H1NB	20
21	30 KVA XFMR	I		7.14	22.09	I	I	22
23	I	I			8.7	22.09	I	24
25	HRCH-01	175A/3P	35.23	12.26		60A/3P	L1NB	26
27	I	I		35.23	12.04	I	30 KVA XFMR	28
29	I	I			35.23	11.35	I	30
31	SPARE	100A/3P	----	----			SPACE	32
33	I	I		----			SPACE	34
35	I	I					SPACE	36
37	L2NC	60A/3P	1.5	----		100A/3P	SPD	38
39	30 KVA XFMR	I		1.5	----	I	I	40
41	I	I			1.5	I	I	42
TOTAL KVA PER #			196.00	196.39	196.39			
		CONNECTED KVA	DIVERSITY			DEMAND KVA	CONNECTED AMPS	DEMAND AMPS
LIGHTS		—	—			—	—	—
RECEPTACLES		—	—			—	—	—
A/C		—	—			—	—	—
ELECTRIC HEAT		—	—			—	—	—
KITCHEN EQUIPMENT		—	—			—	—	—
MISCELLANEOUS LOAD		—	—			—	—	—
TOTAL LOAD		488.98	—			—	588	—

PANEL NAME: HEQDPA			SIZE: 1000 AMP			KAIC RATING: 36 KAIC		
VOLTAGE: 277/480V, 3ø, 4W			MAIN BKR.: MLO			CONNECTED: 825.6 AMPS		
MOUNTING: SURFACE			LOCATION: ELEC. 710			DEMAND:		
CIR. NO.	LOAD	BREAKER AMPS/POLES	LOAD KVA/PHASE			BREAKER AMPS/POLES	LOAD	CIR. NO.
			A	B	C			
1	L1EDA	175A/3P	32.54	7.58		60A/3P	L2EDA	2
3	112.5 KVA XFMR	I		35.01	9.4	I	30 KVA XFMR	4
5	I	I			33.14	8.1	I	6
7	L1EQ1	125A/3P	25.87	----			— SPACE	8
9	75 KVA XFMR	I		26.43	----		— SPACE	10
11	I	I			25.04	----	— SPACE	12
13	H1EGA	400A/3P	85.2	75.8		400A/3P	CHILLER ACC-1	14
15	I	I		85.2	75.8	I	I	16
17	I	I			85.2	75.8	I	18
19	SPARE	225A/3P	----	----			— SPACE	20
21	I	I		----			— SPACE	22
23	I	I			----		— SPACE	24
25	SPACE					100A/3P	SPD	26
27	SPACE					I	I	28
29	SPACE					I	I	30
TOTAL KVA PER #			226.97	231.84	227.28			
LIGHTS		CONNECTED KVA	DIVERSITY	DEMAND KVA		CONNECTED AMPS	DEMAND AMPS	
RECEPTACLES		—	—	—		—	—	
A/C		—	—	—		—	—	
ELECTRIC HEAT		—	—	—		—	—	
KITCHEN EQUIPMENT		—	—	—		—	—	
MISCELLANEOUS LOAD		—	—	—		—	—	
TOTAL LOAD		686.09	—	—		825.6	—	

PANEL NAME: H1CRA			SIZE: 100 AMPS			KAIC RATING: 24 KAIC		
VOLTAGE: 277/480V, 3ø, 4w			MAIN BKR.: MLO			CONNECTED: 42 AMPS		
MOUNTING: SURFACE			LOCATION: ELEC. 710			DEMAND:		
CIR. NO.	LOAD	BREAKER AMPS/POLES	LOAD KVA/PHASE			BREAKER AMPS/POLES	LOAD	CIR. NO.
			A	B	C			
1	L-SURGERY/RAD	20A/1P	1.5 ----			20A/1P	SPARE	2
3	L-OR/PROCEDURE	20A/1P		1.44 ----		20A/1P	SPARE	4
5	L-SPECIALTY/ADMIN	20A/1P			1.58 ----	20A/1P	SPARE	6
7	OR ISO PANEL 1	25A/1P	5 ----			20A/1P	SPARE	8
9	OR ISO PANEL 2	25A/1P		5 ----		20A/1P	SPARE	10
11	TRAUMA 1 ISO PNL 1	25A/1P			5 ----	20A/1P	SPARE	12
13	TRAUMA 1 ISO PNL 2	25A/1P	5 ----				SPACE	14
15	TRAUMA 2 ISO PNL 1	25A/1P		5 ----			SPACE	16
17	TRAUMA 2 ISO PNL 2	25A/1P			5 ----		SPACE	18
19	SPARE	20A/1P	----				SPACE	20
21	SPARE	20A/1P					SPACE	22
23	SPARE	20A/1P					SPACE	24
25	SPACE		----			30A/1P	SPD	26
27	SPACE			----		I	I	28
29	SPACE				----	I	I	30
TOTAL KVA. PER #			11.5	11.44	11.58			

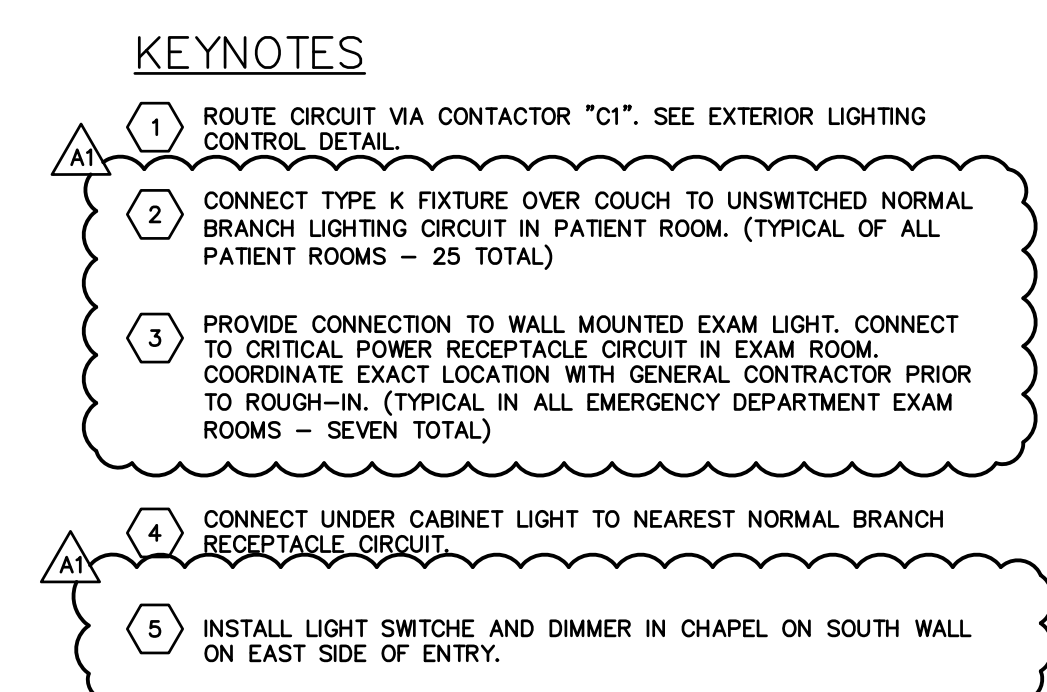
PANEL NAME: L1NB			SIZE: 100 AMP			KAIC RATING: 22 KAIC			
VOLTAGE: 120/208V, 3ø, 4W			MAIN BKR.: 100 AMP			CONNECTED: 99 AMPS			
MOUNTING: SURFACE			LOCATION: ELEC. 710			DEMAND: 73 AMPS			
CR. NO.	LOAD	BREAKER AMPS/POLES	LOAD KVA/PHASE			BREAKER AMPS/POLES	LOAD	CR. NO.	
			A	B	C				
1	R-OFFICE 012	20A/1P	1.08	1.5		20A/1P	R-WASHER	2	
3	R-703 PRINT, 703	20A/1P		1.44	2.5	30A/2P	R-DRYER	4	
5	R-703 PRINT, 701, 704	20A/1P			.9	2.5	I	6	
7	R-CORR 100,PURCH. 702	20A/1P	.72	1.5		20A/1P	HRCH-01 LIGHTS	8	
9	SPARE	20A/1P		.9	1.5	20A/1P	AHU-3 LIGHTS/RECEP	10	
11	EF-03	15A/1P			.53	1.5	20A/1P	AHU-8 LIGHTS/RECEP	12
13	EF-07	15A/1P	.53	1.5		20A/1P	AHU-7 LIGHTS/RECEP	14	
15	EF-08	15A/2P		.72	1.7	30A/1P	EF-15	16	
17	I	I			.72	1.5	20A/1P	R-OR 621	18
19	EF-10	15A/1P	.53	1.5		20A/1P	R-OR 621	20	
21	EF-04	15A/1P		.7	1.5	20A/1P	R-MINOR PROC. 623	22	
23	EF-10	15A/1P			.7	1.5	20A/1P	R-MINOR PROC. 623	24
25	R-EMS STOR., MECH.	20A/1P	.9	----		20A/1P	SPARE	26	
27	R-MECH.ELEC.	20A/1P		1.08	----	20A/1P	SPARE	28	
29	R-PURCHASING COFFEE	20A/1P			1.5	----	20A/1P	SPARE	30
31	R-PURCHASING MICRO	20A/1P	1.0	----		20A/1P	SPARE	32	
33	SPARE	20A/1P	----	----		20A/1P	SPARE	34	
35	SPARE	20A/1P	----	----		20A/1P	SPARE	36	
37	SPARE	20A/1P	----	----		30A/3P	SPD	38	
39	SPARE	20A/1P	----	----			I	40	
41	SPARE	20A/1P	----	----			I	42	
TOTAL KVA. PER #			12.26	12.04	11.35				
LIGHTS		6	CONNECTED KVA			DIVERSITY		6	
RECEPTACLES		18.95	CONNECTED KVA		.5	DEMAND KVA		9.48	
A/C		-	CONNECTED AMPS			DEMAND AMPS			
EXHAUST FANS		4.2	CONNECTED AMPS			DEMAND AMPS			
KITCHEN EQUIPMENT		-	CONNECTED AMPS			DEMAND AMPS			
MISCELLANEOUS LOAD		6.5	CONNECTED AMPS			DEMAND AMPS			
TOTAL LOAD		35.65	CONNECTED AMPS			DEMAND AMPS		73	

PANEL NAME: L1M			SIZE: 100 AMP			KAIC RATING: 22 KAIC			
VOLTAGE: 120/208V, 3ø, 4W			MAIN BKR.: 100 AMP			CONNECTED: 67.5 AMPS			
MOUNTING: SURFACE			LOCATION: MAINT/WK ROOM 705			DEMAND:			
CR. NO.	LOAD	BREAKER AMPS/POLES	LOAD KVA/PHASE			BREAKER AMPS/POLES	LOAD	CR. NO.	
			A	B	C				
1	WELDER	60A/3P	5.7	.54		20A/1P	RECEPS-BIG/WK. ROOM	2	
3	I	I		5.7	.9	20A/1P	OFFICE RECEPS	4	
5	I	I			5.7	1.5	20A/1P	TLT RECEP	6
7	WALL RECEPS	20A/1P	.72			20A/1P	SPARE	8	
9	WALL RECEPS	20A/1P		.54		20A/1P	SPARE	10	
11	CABLE REEL	20A/1P			1.5	20A/1P	SPARE	12	
13	CABLE REEL	20A/1P	1.5			20A/1P	SPARE	14	
15	SPARE	20A/1P				20A/1P	SPARE	16	
17	SPARE	20A/1P				20A/1P	SPARE	18	
19	SPARE	20A/1P				20A/1P	SPARE	20	
21	SPARE	20A/1P				20A/1P	SPARE	22	
23	SPARE	20A/1P				20A/1P	SPARE	24	
25	SPARE	20A/1P				30A/3P SPD		26	
27	SPARE	20A/1P				I	I	28	
29	SPARE	20A/1P				I	I	30	
TOTAL KVA. PER #			8.46	7.14	8.7				
			CONNECTED KVA			CONNECTED AMPS			
LIGHTS		-	-	-	-	-		-	
RECEPTACLES		-	-	-	-	-		-	
A/C		-	-	-	-	-		-	
ELECTRIC HEAT		-	-	-	-	-		-	
KITCHEN EQUIPMENT		-	-	-	-	-		-	
MISCELLANEOUS LOAD		-	-	-	-	-		-	
TOTAL LOAD		24.3	-	-	-	67.5	-	-	

PANEL NAME: L2NC		SIZE: 100 AMP		KAIC RATING: 22 KAIC				
VOLTAGE: 120/208V, 3ø, 4W		MAIN BKR.: 100 AMP		CONNECTED: 14.8 AMPS				
MOUNTING: SURFACE		LOCATION: ELEC. 941		DEMAND:				
CR. NO.	LOAD	BREAKER AMPS/POLES	LOAD KVA/PHASE			BREAKER AMPS/POLES	LOAD	CR. NO.
			A	B	C			
1	R-BREAK 956 MICRO	20A/1P	1.5	.83		20A/1P	CLASS 121 SHADES	2
3	R-BREAK 956 MICRO	20A/1P		1.5		20A/1P	SPARE	4
5	R-BREAK 956 COFFEE	20A/1P			1.5	20A/1P	SPARE	6
7	SPARE	20A/1P	----	----	----	20A/1P	SPARE	8
9	SPARE	20A/1P	----	----	----	20A/1P	SPARE	10
11	SPARE	20A/1P	----	----	----	20A/1P	SPARE	12
13	SPARE	20A/1P	----	----	----	20A/1P	SPARE	14
15	SPARE	20A/1P	----	----	----	20A/1P	SPARE	16
17	SPARE	20A/1P	----	----	----	20A/1P	SPARE	18
19	SPARE		-----	-----	-----		SPACE	20
21	SPARE		-----	-----	-----		SPACE	22
23	SPARE		-----	-----	-----		SPACE	24
25	SPARE		-----	-----	-----	30A/3P	SPD	26
27	SPARE		-----	-----	-----		I	28
29	SPARE		-----	-----	-----		I	30
TOTAL KVA. PER #			2.33	1.5	1.5			
LIGHTS		---	---	---	---	---		---
RECEPTACLES		---	---	---	---	---		---
A/C		---	---	---	---	---		---
ELECTRIC HEAT		---	---	---	---	---		---
KITCHEN EQUIPMENT		---	---	---	---	---		---
MISCELLANEOUS LOAD		---	---	---	---	---		---
TOTAL LOAD		5.33	---	---	---	14.8		---

PANEL NAME: L1ORA			SIZE: 100 AMP			KAIC RATING: 22 KAIC			
VOLTAGE: 120/208V, 3ø, 4W			MAIN BKR.: 100 AMP			CONNECTED: 42 AMPS			
MOUNTING: SURFACE			LOCATION: ELEC. 710			DEMAND:			
CR. NO.	LOAD	BREAKER AMPS/POLES	LOAD KVA/PHASE			BREAKER AMPS/POLES	LOAD	CR. NO.	
			A	B	C				
1	R-CONTROL 503	20A/1P	.72	1.5		20A/1P	R-BONE DENSITY	2	
3	R-RAD TECH	20A/1P		.72	1.5	20A/1P	R-COPY	4	
5	R-ANES. PHY.	20A/1P			.54	1.5	20A/1P	R-ULTRASOUND	6
7	R-PRE 609	20A/1P	.54	.54		20A/1P	R-POST 629	8	
9	R-PRE 608	20A/1P		.54	.54	20A/1P	R-POST 628	10	
11	R-PRE 607	20A/1P			.54	.54	20A/1P	R-POST 627	12
13	R-OR NURSE	20A/1P	.72	.9		20A/1P	R-201,202,203	14	
15	R-OR OFF., CART	20A/1P		.54	1.5	20A/1P	R-201 COPY	16	
17	R-REC_ADMIN,CEO,CFO	20A/1P			1.26	1.0	20A/1P	R-NURSE 203 PRINT	18
19	R-MINOR PROCEDURE	20A/1P	.36	.9		20A/1P	R-EXAM 206,207,208	20	
21	R-MINOR PROCEDURE	20A/1P		.72	.9	20A/1P	R-EXAM 210,211,212	22	
23	R-MINOR PROCEDURE	20A/1P			.9	.5	20A/2P	L-MINOR PROCEDURE	24
25	SPARE	20A/1P	----	----	----	I	GFCI	26	
27	SPARE	20A/1P	----	----	----	20A/1P	SPARE	28	
29	SPARE	20A/1P	----	----	----	20A/1P	SPARE	30	
31	SPARE	20A/1P	----	----	----	20A/1P	SPARE	32	
33	SPARE	20A/1P	----	----	----	20A/1P	SPARE	34	
35	SPARE	20A/1P	----	----	----	20A/1P	SPARE	36	
37	SPARE	20A/1P	----	----	----	30A/3P	SPD	38	
39	SPARE	20A/1P	----	----	----	I	I	40	
41	SPARE	20A/1P	----	----	----	I	I	42	
TOTAL KVA. PER #			5.82	6.24	4.12				
LIGHTS			CONNECTED KVA			DIVERSITY			
RECEPTACLES			CONNECTED KVA			DEMAND KVA			
A/C			CONNECTED AMPS			DEMAND AMPS			
ELECTRIC HEAT			CONNECTED AMPS			DEMAND AMPS			
KITCHEN EQUIPMENT			CONNECTED AMPS			DEMAND AMPS			
MISCELLANEOUS LOAD			CONNECTED AMPS			DEMAND AMPS			
TOTAL LOAD			15.06		CONNECTED AMPS		DEMAND AMPS		42

PANEL NAME: H3NA		SIZE: 125 AMP		KAIC RATING: 24 KAIC				
VOLTAGE: 277/480V, 3ø, 4w		MAIN BKR.: MLO		CONNECTED: 44.4 AMPS				
MOUNTING: SURFACE		LOCATION: ELEC. 1149		DEMAND:				
CR. NO.	LOAD	BREAKER AMPS/POLES	LOAD KVA/PHASE			BREAKER AMPS/POLES	LOAD	CR. NO.
			A	B	C			
1	L-EXAM WEST/CORE	20A/1P	1.83	13.08		60A/3P	PANEL L3NA	2
3	L-EAST,CORR.,ADMIN,WA	20A/1P		1.13	11.84	I	30 KVA XFMR	4
5	SPARE	20A/1P			10.24	I	I	6
7	SPARE	20A/1P				20A/1P	SPARE	8
9	SPARE	20A/1P				20A/1P	SPARE	10
11	SPARE	20A/1P				20A/1P	SPARE	12
13	SPACE						SPACE	14
15	SPACE						SPACE	16
17	SPACE						SPACE	18
19	SPACE						SPACE	20
21	SPACE						SPACE	22
23	SPACE						SPACE	24
25						20A/1P	SPD	
TOTAL KVA. PER #			13.91	12.77	10.24			
LIGHTS			CONNECTED KVA			DIVERSITY		
RECEPTACLES			CONNECTED KVA			DEMAND KVA		
A/C			CONNECTED AMPS			DEMAND AMPS		
ELECTRIC HEAT			CONNECTED AMPS			DEMAND AMPS		
KITCHEN EQUIPMENT			CONNECTED AMPS			DEMAND AMPS		
MISCELLANEOUS LOAD			CONNECTED AMPS			DEMAND AMPS		
TOTAL LOAD		15.06			42			



Jon D. Rice & Associates, LLC

Electrical Engineering Consultants

5403 Castlewoods Court, Suite G, Flowood, MS, 39232
Tel 601-919-8040 Fax 601-919-8060 PROJ.# 19017.00



1 PARTIAL FLOOR PLAN - LIGHTING PART D
SCALE: 1/8" = 1'-0"



Jon D. Rice & Associates, LLC
Electrical Engineering Consultants
5403 Castlewoods Court, Suite G, Flowood, MS, 39232
Tel 601-919-8040 Fax 601-919-8060 PROJ.# 19017.00

Sheet Number : - PARTIAL FLOOR PLAN - LIGHTING PART D

REPLACEMENT FACILITY FOR
TIPPAH COUNTY HOSPITAL
RIPLEY, MISSISSIPPI

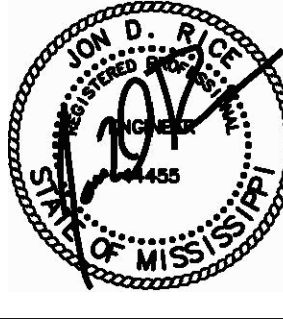
Project No: 18015 Revisions: ADDENDUM #1 DECEMBER 18, 2019
Date: 4 DECEMBER 2019
Drawn: MLL
Checked: JDR



- PROVIDE CONNECTION COIL UP SECURITY GRILL. THE MOTOR AND ASSEMBLY SHALL BE INSTALLED ABOVE THE CEILING. PROVIDE 5/8" Ø DISCONNECT ABOVE CEILING FOR MOTOR. EQUIPMENT VENDOR SHALL SUPPLY A KEYSWITCH FOR CONTROL.
- 5.10 CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO MOTOR AND SWITCH. COORDINATE EXACT LOCATION OF SWITCH WITH OWNER AND GENERAL CONTRACTOR PRIOR TO ROUGH-IN.
2. PROVIDE CONNECTION TO FREEZER EVAPORATOR FAN, DEFROSTER, DOOR HEATER AND LIGHTS. PROVIDE MOTOR RATED SWITCH AS DISCONNECT MEANS FOR EACH.
3. PROVIDE CONNECTION TO COOLER EVAPORATOR FAN, AND LIGHTS. PROVIDE MOTOR RATED SWITCH AS DISCONNECTING MEANS FOR EVAPORATOR FAN.
4. PROVIDE 100A/3P, UN-FUSED, NEMA 4X, DISCONNECT FOR DISHWASHER MOTOR AND CONNECT TO PANEL WITH 3-#1, 1-#8(G), 1-1/4" IMC.
5. PROVIDE 300A/3P, UN-FUSED, NEMA 4X, DISCONNECT FOR DISHWASHER BOOSTER HEAT AND CONNECT TO PANEL WITH 2-#10, 1-#10(G), 3/4" IMC.
6. PROVIDE 208V/3Ø CONNECTION TO KITCHEN HOOD UTILITY DISTRIBUTION SYSTEM WITH 4-#6, 1-#10(G), 1" C.
7. PROVIDE 480V/3Ø CONNECTION TO KITCHEN HOOD UTILITY DISTRIBUTION SYSTEM WITH 3-#6, 1-#10(G), 3/4" C.
8. PROVIDE 3ØA/3P, NEMA 4X DISCONNECT, FUSED AT 12 AMPS FOR DISPOSER CONNECT TO PANEL WITH 3-#1, 1-#2(G), 3/4" IMC.
9. PROVIDE NEMA 6-15R RECEPTACLE, CORD AND PLUG FOR CONNECTION TO ROLL-IN HEATED CABINET. INSTALL RECEPTACLE ABOVE UNIT.
10. PROVIDE NEMA 5-20R RECEPTACLE FOR ROLL-IN REFRIGERATOR. INSTALL RECEPTACLE ABOVE UNIT.
11. PROVIDE NEMA 5-20R RECEPTACLE AT 42" AFF FOR FOOD SLURGER.
12. PROVIDE NEMA 5-20R RECEPTACLE AT 42" AFF FOR CAN SLURGER.
13. PROVIDE NEMA 5-20R RECEPTACLE AT 66" AFF FOR MICROWAVE.
14. PROVIDE NEMA 5-20R RECEPTACLE AT 42" AFF FOR COFFEE/TEA BREWER.
15. PROVIDE NEMA 5-20R RECEPTACLES AT 24" FREEZER AND REFRIGERATORS.
16. PROVIDE NEMA 6-15R RECEPTACLE AT 74" FOR MOBILE PLATE DISPENSER.
17. PROVIDE NEMA 16-3ØR RECEPTACLE AT 42" AFF FOR PELLET SHAWER. CONNECT WITH 2-#10, 1-#10(G), 3/4" C.
18. PROVIDE NEMA 5-20R RECEPTACLE AT 24" AFF FOR UNDER COUNTER REFRIGERATOR.
19. PROVIDE NEMA 5-20R RECEPTACLE AT 24" AFF FOR ICE MAKER.
20. PROVIDE NEMA 16-3ØR RECEPTACLE AT 24" AFF FOR SERVING LINE HEATED WELLS. CONNECT WITH 2-#10, 1-#10(G), 3/4" C. PROVIDE CIRCUIT BELOW SLAB. ROUTE FROM SERVING LINE TO NEAREST WALL, EXTEND UP TO ACCESSIBLE CEILING, AND EXTEND TO PANEL.
21. PROVIDE NEMA 5-20R GFCI RECEPTACLE AT 24" AFF FOR POINT OF SALE. ROUTE-IN CIRCUIT BELOW SLAB. ROUTE FROM SERVING LINE TO NEAREST WALL, EXTEND UP TO ACCESSIBLE CEILING, AND EXTEND TO PANEL.
22. PROVIDE NEMA 2-50R GFCI RECEPTACLES AT 42" AFF FOR CONVENIENCE AT DESK/WORKTABLE.
23. PROVIDE NEMA 5-20R GFCI RECEPTACLES AT 42" AFF FOR DRINK MACHINES, AND COFFEE MAKERS.
24. PROVIDE NEMA 16-3ØR RECEPTACLE AT 24" AFF FOR HEATED WELLS. CONNECT WITH 2-#10, 1-#10(G), 3/4" C. PROVIDE CIRCUIT BELOW SLAB. ROUTE FROM SERVING LINE TO NEAREST WALL, EXTEND UP TO ACCESSIBLE CEILING, AND EXTEND TO PANEL.
25. PROVIDE NEMA 5-20R GFCI RECEPTACLE AT 24" AFF FOR SERVING LINE COLD WELLS. ROUTE-IN CIRCUIT BELOW SLAB. ROUTE FROM SERVING LINE TO NEAREST WALL, EXTEND UP TO ACCESSIBLE CEILING, AND EXTEND TO PANEL.

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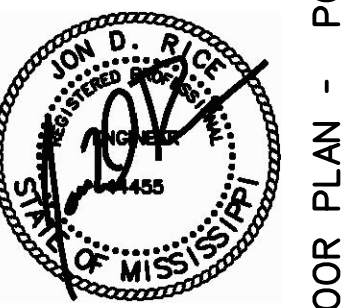
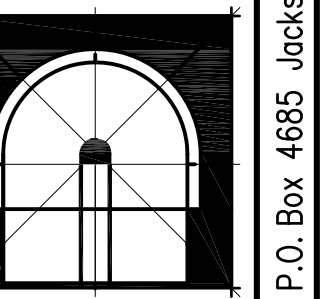
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 5403 Castlewoods Court, Suite G, Flowood, MS, 39232
 Tel 601-919-8040 Fax 601-919-8060 PROJ# 19017R



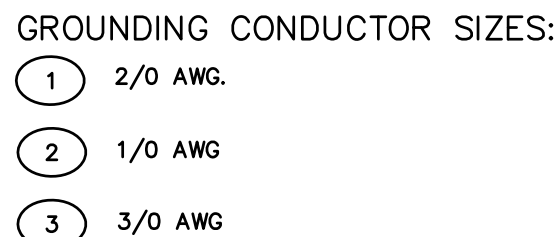
1 PARTIAL FLOOR PLAN - POWER PART B
E301B SCALE: 1/8"=1'-0"

KEYNOTES

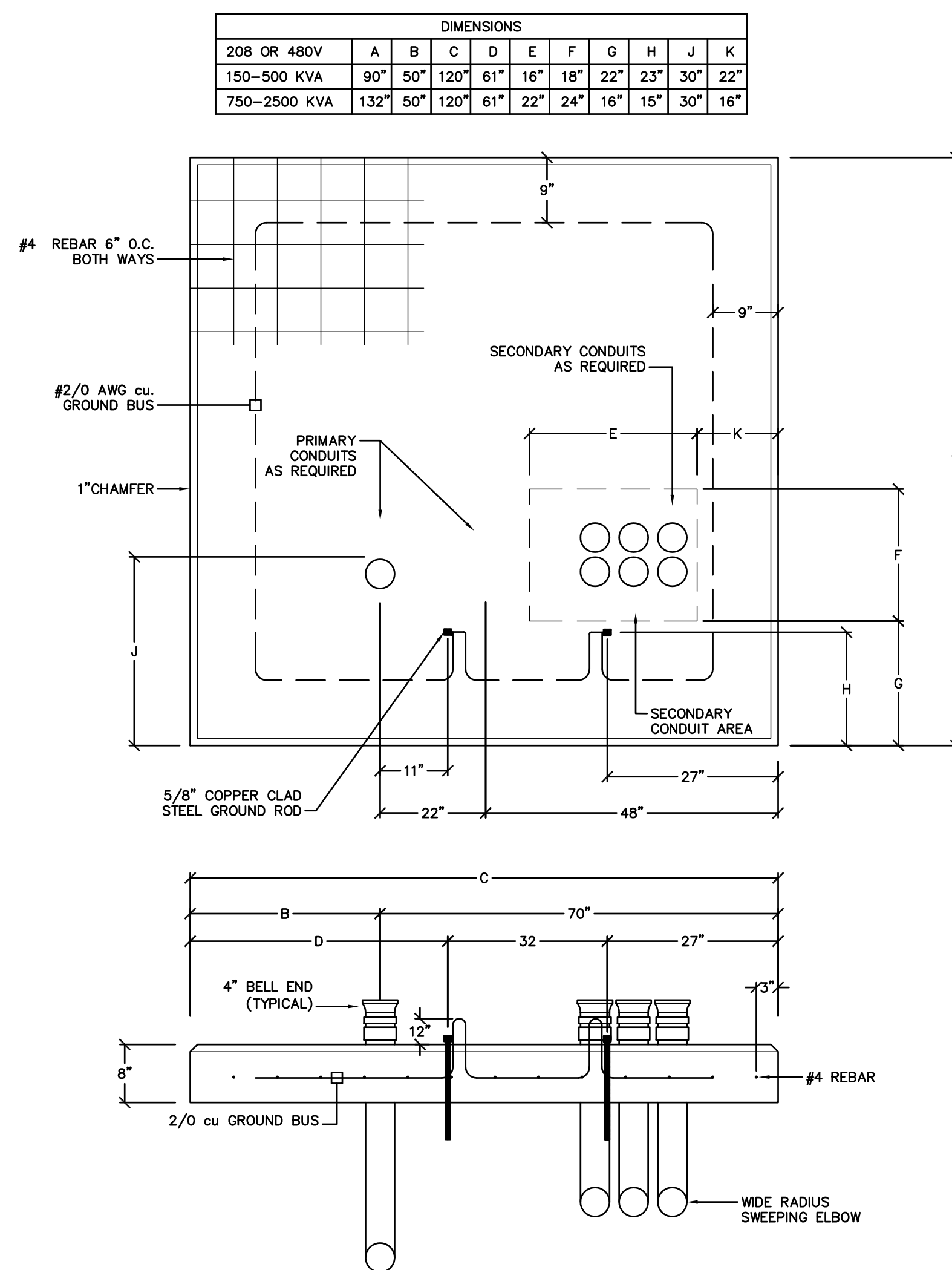
- 1 PROVIDE TWO NEMA L6-30R RECEPTACLES, AND TWO NEMA L6-20R RECEPTACLES ALONG WEST WALL FOR VITROS EQUIPMENT. ALL FOUR RECEPTACLES SHALL HAVE BE ISOLATED GROUND RECEPTACLES. CLOSELY COORDINATE LOCATION OF RECEPTACLES WITH OWNER AND GENERAL CONTRACTOR PRIOR TO ROUGH-IN.
- 2 PROVIDE CONNECTION TO MODULAR FURNITURE. COORDINATE WIRING CONFIGURATION WITH FURNITURE MANUFACTURER REQUIREMENTS.
- 3 PROVIDE CONNECTION TO MOTOR OPERATED SHADES. PROVIDE RAISE/LOWER AND COORDINATE EXACT LOCATION OF SWITCH WITH THE OWNER AND GENERAL CONTRACTOR PRIOR TO ROUGH-IN.
- 4 EACH WINDOW IN CLASSROOM 121 SHALL HAVE A MOTOR OPERATED SHADE, AND MOTOR OPERATED BLACK-OUT BLINDS. CONNECT EACH MOTOR TO CIRCUIT L2NB-2. PROVIDE ONE RAISE/LOWER SWITCH FOR SHADES, AND ONE RAISE/LOWER SWITCH FOR BLACK-OUT BLINDS. COORDINATE EXACT LOCATION OF SWITCHES WITH THE OWNER AND GENERAL CONTRACTOR PRIOR TO ROUGH-IN.



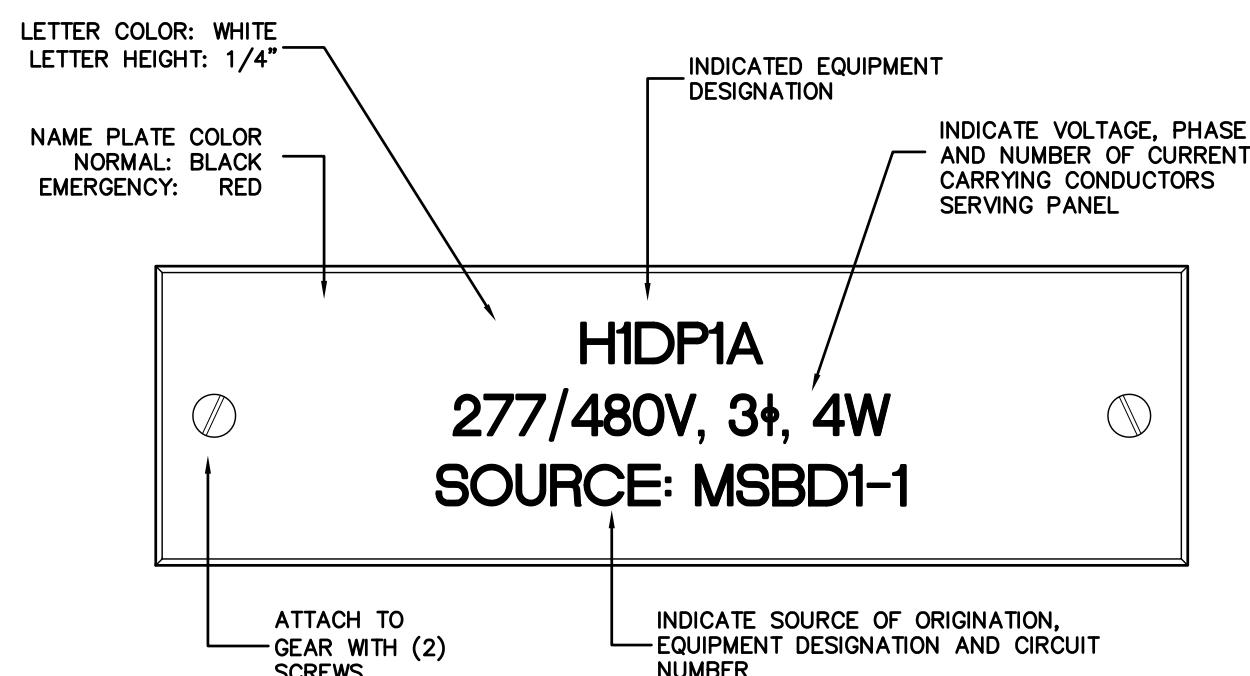
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Electrical Engineering Consultants
5403 Castlewoods Court, Suite G, Flowood, MS, 39232
Tel 601-919-8040 Fax 601-919-8060 PROJ# 19017.00



5 PRIMARY SERVICE DUCT BANK DETAIL
E602 SCALE: NOT TO SCALE



7 TRANSFORMER PAD DETAIL
E602 SCALE: NOT TO SCALE



8 SUSPENDED TRANSFORMER DETAIL
E602 SCALE: NOT TO SCALE

9 GEAR NAMEPLATE DETAIL
E602 SCALE: NOT TO SCALE



LOW VOLTAGE, CEILING MOUNT
8 OCCUPANCY SENSOR CONTROL DETAIL



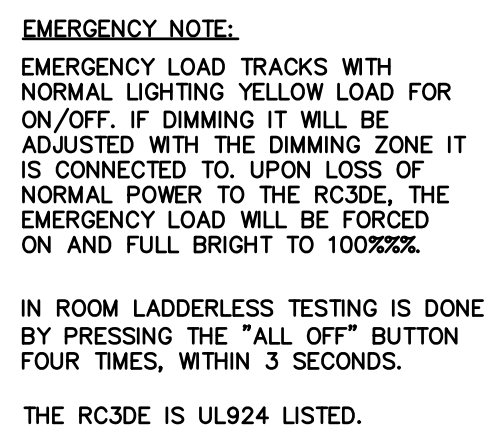
10 0-10V DIMMING DETAIL
E602 SCALE: NOT TO SCALE

9 3-WAY LOW VOLTAGE DIMMING CONTROL DETAIL
E602 SCALE: NOT TO SCALE

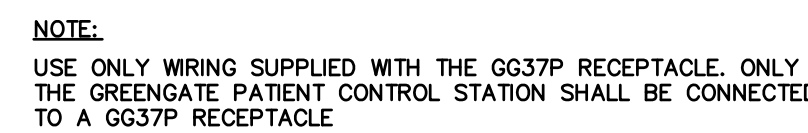


11 WALL MOUNT OCCUPANCY SENSOR DETAIL
E602 SCALE: NOT TO SCALE

6 SECONDARY SERVICE DUCT BANK DETAIL
E602 SCALE: NOT TO SCALE



*0-10V DIMMING ZONE NOTE: THE 0-10V DIMMING ZONES WITHIN THE ROOM CONTROLLER CAN BE WIRED AND CONTROLLED INDEPENDENT OF THE CONNECTED LOADS. THIS ALLOWS A EACH LOAD TO HAVE A DEDICATED 0-10V DIMMING ZONE OR A SINGLE LOAD TO HAVE UP TO THREE 0-10V DIMMING ZONES.



12 PATIENT ROOM LIGHTING CONTROL DETAIL
E602 SCALE: NOT TO SCALE



Jon D. Rice & Associates, LLC

Electrical Engineering Consultants
 5403 Castlewoods Court, Suite G, Flowood, MS, 39232
 Tel 601-919-8040 Fax 601-919-8060 PROJ.# 19017.00