An HCA Affiliated Hospital

Inpatient Rehab Unit

Third Floor

101 East Ridge Road McAllen, Texas 78503

FACILITIES SERVICES GROUP
HEITKAMP SWIFT ARCHITECTS
BENNETT DESIGN GROUP
GARNER FRITSCHE ENGINEERING, INC.
HENDERSON ROGERS

PROJECT MANAGER
CONSULTING ARCHITECT
INTERIORS
MEP ENGINEER
STRUCTURAL ENGINEER

HOUSTON, TEXAS 776 (T) 713.626.44 (F) 713.626.44

Garner-Fritsch

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3rd Floor INPATIENT REHAB UNIT

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HEITKAMP SWIFT ARCHITECTS
(MARK G. HEITKAMP)

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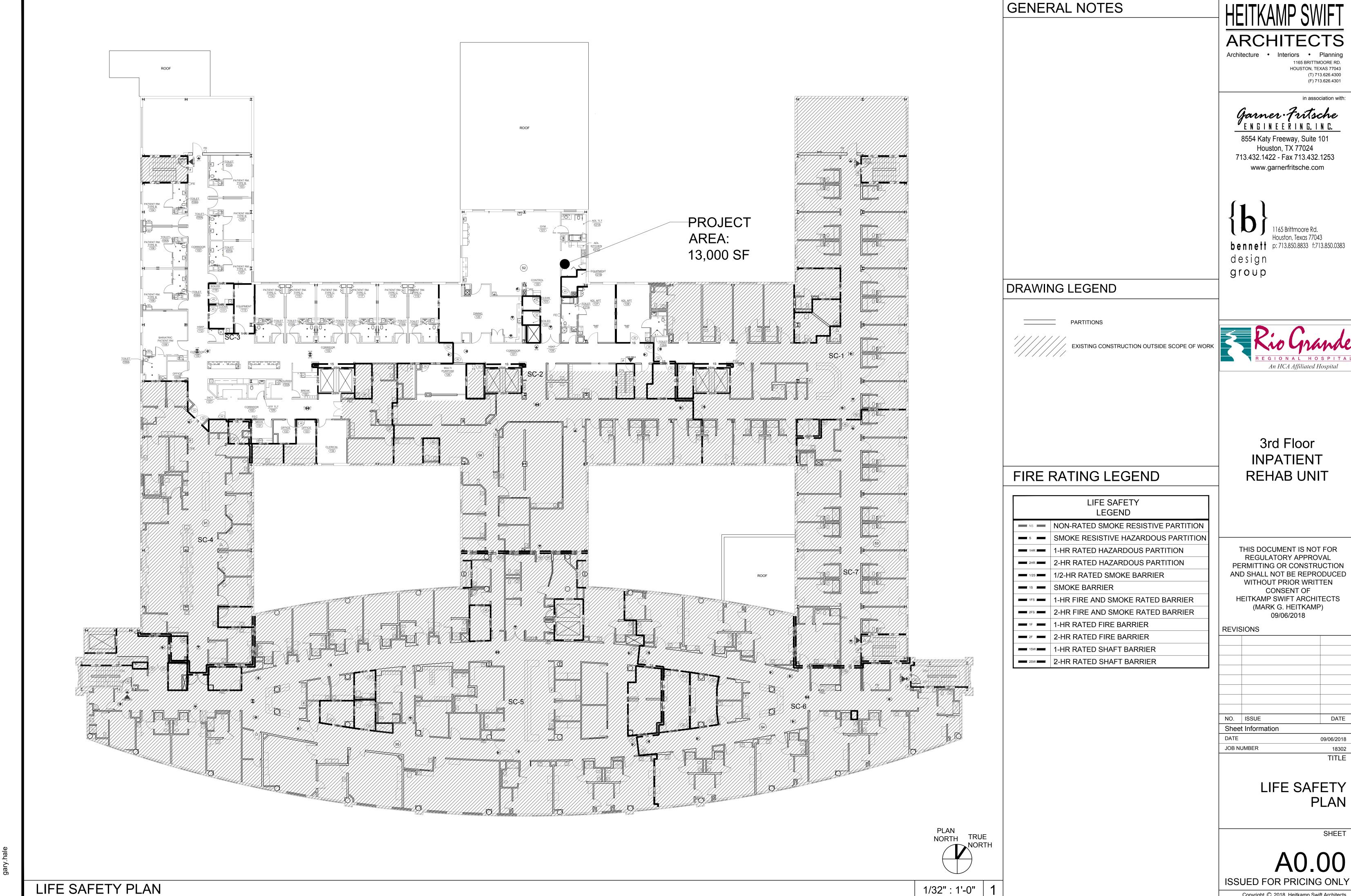
DATE 09/06/2018

JOB NUMBER 18302

COVER

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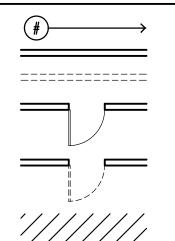
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AFFECTED BY DEMOLITION.

- A. ALL EXISTING CONSTRUCTION (FLOORS, WALLS, CEILING) WITHIN SCOPE OF WORK IS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REFER TO LEGEND BELOW.
- B. REFER TO ELECTRICAL DRAWINGS FOR EXISTING LIGHT FIXTURE TO BE REMOVED/RELOCATED.
- C. PROVIDE TEMPORARY FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 10 AT
- D. CLEAN, PATCH AND REPAIR EXISTING WALLS, FLOORS, AND CEILINGS TO REMAIN
- REMOVE ALL ELEC/DATA AT SCHEDULED DEMO WALLS. REMOVE ASSOCIATED WIRING BACK TO SOURCE PANEL.
- REMOVE DEMOLISHED PLUMBING FIXTURE LINES BACK TO SOURCE. NO DEAD LEGS.
- . REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION RELATED TO DEMOLITION.
- H. CONTRACTOR SHALL COORDINATE PHASING AND MOVE SCHEDULE WITH OWNER.
- CONSULT WITH OWNER ABOUT DEMOLISHED ITEMS THAT ARE TO BE RETURNED. (WINDOW BLINDS, FIRE STROBES/ PULLS/ EXTINGUISHERS, LIGHT FIXTURES, PLUMBING FIXTURES, CAMERAS ETC.)

LEGEND



NOTE TO SHEET DESIGNATION EXISTING WALL TO REMAIN EXISTING WALL TO BE REMOVED

EXISTING DOOR TO REMAIN

EXISTING DOOR TO BE REMOVED

EXISTING CONSTRUCTION TO REMAIN

ARCHITECTS

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3rd Floor **INPATIENT REHAB UNIT**

KEY PLAN

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DEMO OVERALL FLOOR PLAN

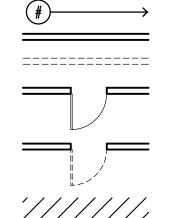
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1/16" : 1'-0"

FLOOR PLAN

- A. ALL EXISTING CONSTRUCTION (FLOORS, WALLS, CEILING) WITHIN SCOPE OF WORK IS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REFER TO LEGEND BELOW.
- B. REFER TO ELECTRICAL DRAWINGS FOR EXISTING LIGHT FIXTURE TO BE REMOVED/RELOCATED.
- C. PROVIDE TEMPORARY FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 10 AT
- D. CLEAN, PATCH AND REPAIR EXISTING WALLS, FLOORS, AND CEILINGS TO REMAIN
- REMOVE ALL ELEC/DATA AT SCHEDULED DEMO WALLS. REMOVE ASSOCIATED WIRING BACK TO SOURCE PANEL.
- REMOVE DEMOLISHED PLUMBING FIXTURE LINES BACK TO SOURCE. NO DEAD LEGS.
- G. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION RELATED TO DEMOLITION.
- H. CONTRACTOR SHALL COORDINATE PHASING AND MOVE SCHEDULE WITH OWNER.
- CONSULT WITH OWNER ABOUT DEMOLISHED ITEMS THAT ARE TO BE RETURNED. (WINDOW BLINDS, FIRE STROBES/ PULLS/ EXTINGUISHERS, LIGHT FIXTURES, PLUMBING FIXTURES, CAMERAS ETC.)



NOTE TO SHEET DESIGNATION EXISTING WALL TO REMAIN EXISTING WALL TO BE REMOVED

EXISTING DOOR TO REMAIN

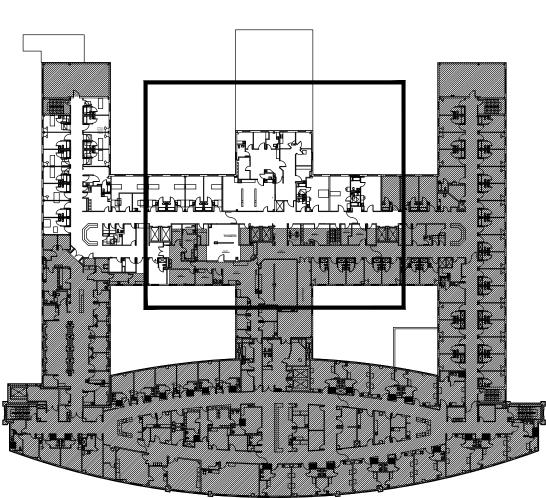
EXISTING DOOR TO BE REMOVED

EXISTING CONSTRUCTION TO REMAIN

NOTES TO SHEET A1.01

- REMOVE WINDOW LEGDE AND PREP OPENING TO RECIEVE GYP. BD. PARTION. PREP WINDOW TO RECIEVE 3M BLOCK OUT FILM.
- (2) REMOVE MILLWORK.
- REMOVE CEILING SYSTEM AND FIXTURES TO BE REMOVED SEE MEP
- REMOVE EXISTING FIRE CABINET AND PROVIDE NEW CABINET AND RELOCATE
- REMOVE EXISTING WINDOW SYSTEM. IN-FILL WALL ASSEMBLY AS REQUIRED
- REMOVE PLUMBING FIXTURES AND ASSOCIATED PIPING. NO DEAD LEGS SEE
- REMOVE STOREFRONT SYSTEM.
- REMOVE FLOORING SYSTEM DOW TO THE SLAB PREP SURFACE TO RECIEVE
- REMOVE CEILING TILES, GRID, LIGHT FIXTURES AND DEVICES AS REQUIRED.
- (10) REMOVE TV AND A TECHNOLOGY AND RETURN TO OWNER.
- REMOVE EXISTING ELECTRICAL PANELS AND SWITCHES. REFER TO GENERAL NOTES AND ELECTRICAL DRAWINGS
- SEE STRUCTURAL DRAWINGS AND MEP DRAWINGS FOR SCOPE OF DEMO IN MECHANICAL ROOM

1/8" : 1'-0"



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1	Addendum 1	05-22-18					
NO.	ISSUE	DATE					
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Sheet Information DATE 09/06/2018

JOB NUMBER

PARTIAL DEMO PLAN AREA 1

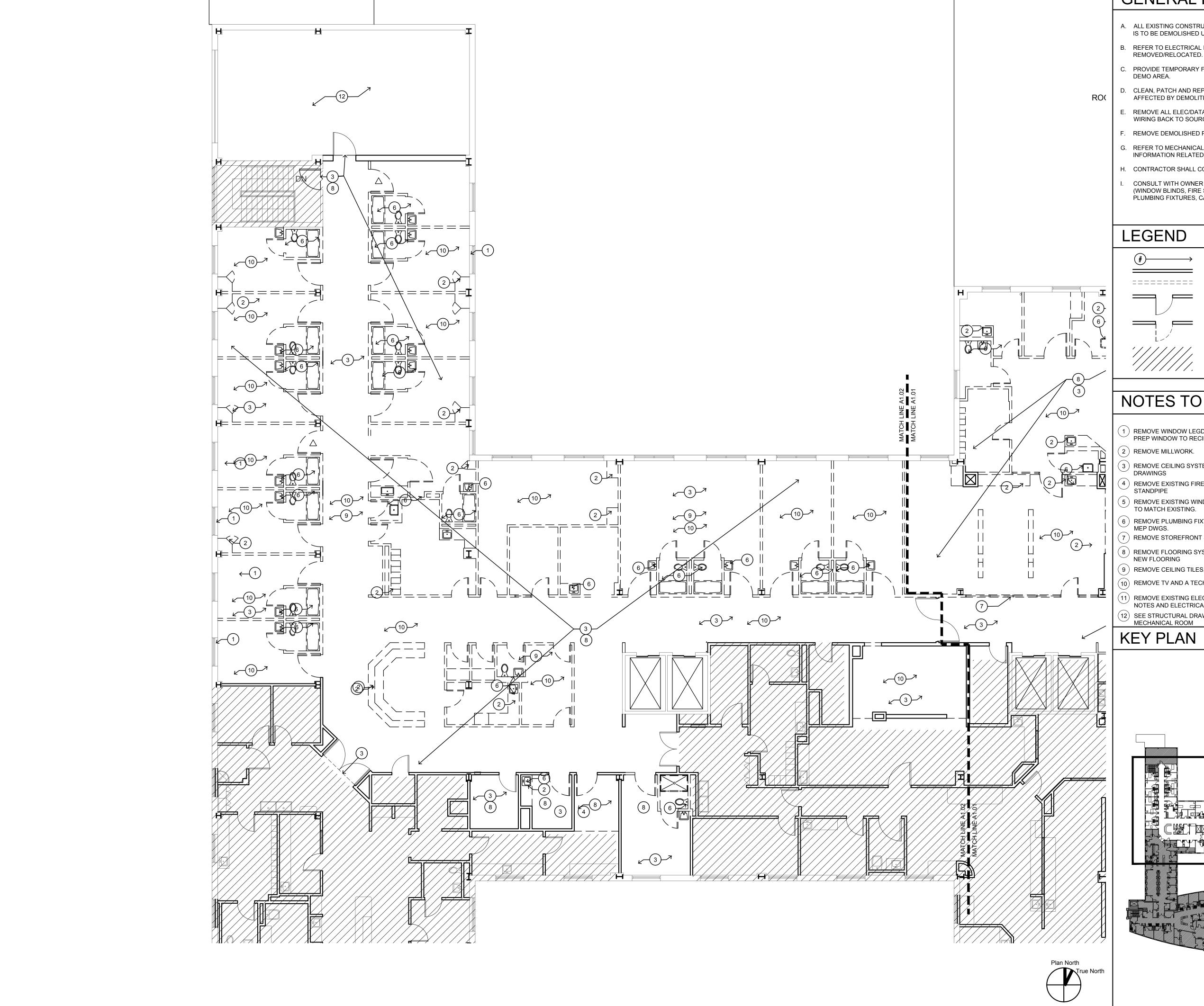
SHEET

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PARTIAL FLOOR PLAN AREA 2



- A. ALL EXISTING CONSTRUCTION (FLOORS, WALLS, CEILING) WITHIN SCOPE OF WORK IS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REFER TO LEGEND BELOW.
- B. REFER TO ELECTRICAL DRAWINGS FOR EXISTING LIGHT FIXTURE TO BE
- C. PROVIDE TEMPORARY FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 10 AT
- D. CLEAN, PATCH AND REPAIR EXISTING WALLS, FLOORS, AND CEILINGS TO REMAIN AFFECTED BY DEMOLITION.
- REMOVE ALL ELEC/DATA AT SCHEDULED DEMO WALLS. REMOVE ASSOCIATED WIRING BACK TO SOURCE PANEL.
- REMOVE DEMOLISHED PLUMBING FIXTURE LINES BACK TO SOURCE. NO DEAD LEGS.
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- CONSULT WITH OWNER ABOUT DEMOLISHED ITEMS THAT ARE TO BE RETURNED. (WINDOW BLINDS, FIRE STROBES/ PULLS/ EXTINGUISHERS, LIGHT FIXTURES, PLUMBING FIXTURES, CAMERAS ETC.)

NOTE TO SHEET DESIGNATION

EXISTING WALL TO BE REMOVED

EXISTING DOOR TO BE REMOVED

EXISTING CONSTRUCTION TO REMAIN

EXISTING WALL TO REMAIN

EXISTING DOOR TO REMAIN

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NOTES TO SHEET A1.01

- REMOVE WINDOW LEGDE AND PREP OPENING TO RECIEVE GYP. BD. PARTION. PREP WINDOW TO RECIEVE 3M BLOCK OUT FILM.
- REMOVE MILLWORK.
- REMOVE CEILING SYSTEM AND FIXTURES TO BE REMOVED SEE MEP
- REMOVE EXISTING FIRE CABINET AND PROVIDE NEW CABINET AND RELOCATE
- REMOVE EXISTING WINDOW SYSTEM. IN-FILL WALL ASSEMBLY AS REQUIRED
- REMOVE PLUMBING FIXTURES AND ASSOCIATED PIPING. NO DEAD LEGS SEE
- REMOVE STOREFRONT SYSTEM.
- REMOVE FLOORING SYSTEM DOW TO THE SLAB PREP SURFACE TO RECIEVE
- REMOVE CEILING TILES, GRID, LIGHT FIXTURES AND DEVICES AS REQUIRED. REMOVE TV AND A TECHNOLOGY AND RETURN TO OWNER.
- REMOVE EXISTING ELECTRICAL PANELS AND SWITCHES. REFER TO GENERAL NOTES AND ELECTRICAL DRAWINGS
- SEE STRUCTURAL DRAWINGS AND MEP DRAWINGS FOR SCOPE OF DEMO IN MECHANICAL ROOM

1/8" : 1'-0"

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JOB NUMBER

NO. ISSUE Sheet Information DATE 09/06/2018

> **PARTIAL DEMO PLAN** AREA 2

> > SHEET

TITLE

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PARTIAL FLOOR PLAN AREA 2

MILLWORK HARDWARE

- Cabinet Hardware and Miscellaneous Item Schedule:
- Stanley #4483-1/2, aluminum wire pulls.
- 2. Concealed "European" Hinges: Blum Modul 170 Series Grass America #1203 Series
- a. Box Drawer Slides: Full Extension, Grade 1HD-100, for drawers NOT more than 6 inches high or 24 inches wide
- b. File Drawer Slides: Full Extension, Grade 1HD-200, for drawers more than 6 inches high or 24 inches wide.
- 4. Cabinet Drawer/Door Lock: American Lock #0737
- 5. Under Counter Support Steel Bracket: a. A&M Hardware, Inc; www.aandmhardware.com; phone 888.647.0200 (OR
- a.a. 18 inches deep and 24 inches high
- a.b. Exceed 1,000 lb. load capacity
- a.c. Paint to match attachment wall / millwork

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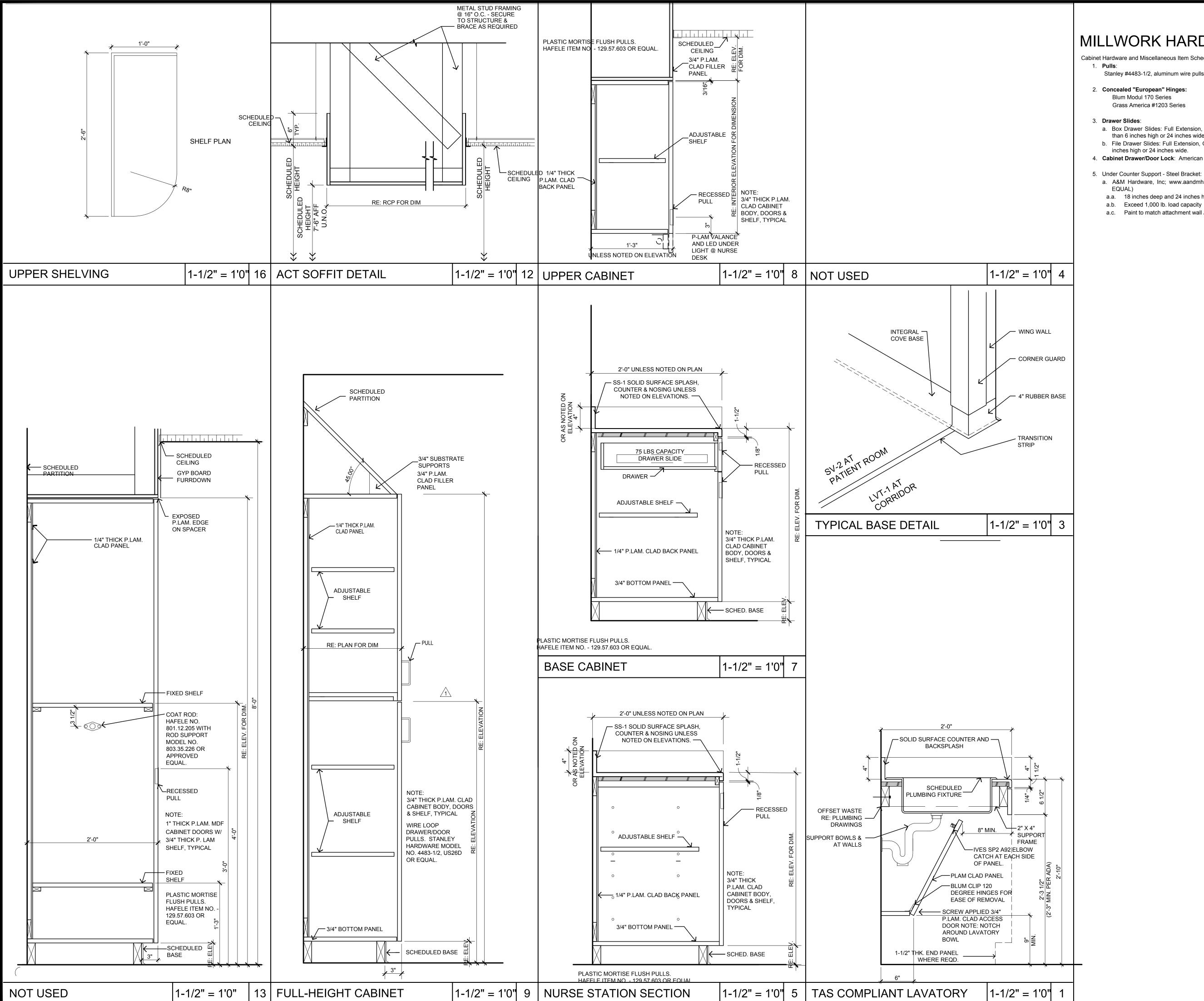
MILLWORK

SECTIONS

SHEET

TITLE

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MILLWORK HARDWARE

Cabinet Hardware and Miscellaneous Item Schedule:

Stanley #4483-1/2, aluminum wire pulls.

2. Concealed "European" Hinges: Blum Modul 170 Series

a. Box Drawer Slides: Full Extension, Grade 1HD-100, for drawers NOT more than 6 inches high or 24 inches wide

- b. File Drawer Slides: Full Extension, Grade 1HD-200, for drawers more than 6
- 4. Cabinet Drawer/Door Lock: American Lock #0737
- 5. Under Counter Support Steel Bracket:
- a. A&M Hardware, Inc; www.aandmhardware.com; phone 888.647.0200 (OR
- a.a. 18 inches deep and 24 inches high
- a.c. Paint to match attachment wall / millwork

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TITLE

MILLWORK **SECTIONS**

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 A. SEE A7.01 FOR TYPICAL MOUNTING HEIGHTS
 B. PROVIDE 1'-0" CLEAR FLOOR SPACE AT THE PUSH SIDE OF EVERY DOOR WITH A CLOSER. PROVIDE 1'-6" CLEAR AT THE PULL SIDE OF EVERY DOOR. ALL LAVATORIES AND SINKS SHALL BE MOUNTED A MINIMUM OF 1'-3" FROM THE

CENTERLINE OF THE FIXTURE TO THE FINISHED FACE OF THE ADJACENT PARTITION. THERE SHALL BE 4" MINIMUM BETWEEN THE SIDE OF THE FIXTURE AND FACE OF ADJACENT WALL, CASEWORK, ETC. REFER TO FINISH PLANS FOR WALL PROTECTION INFORMATION.

PROVIDE NURSE CALL SYSTEM TO MATCH HOSPITAL STANDARD. REFER TO VENDOR DRAWINGS. CONTRACTOR RESPONSIBLE FOR CUSTOMER/CONTRACTOR INSTALLATION REQUIREMENTS.

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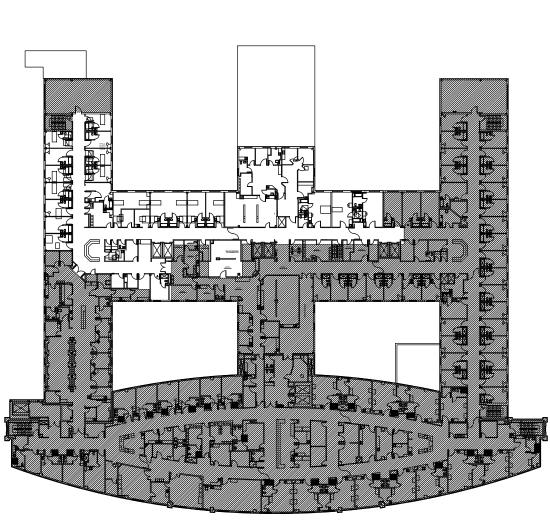


LEGEND

NOT IN PROJECT SCOPE

3rd Floor **INPATIENT REHAB UNIT**

KEY PLAN



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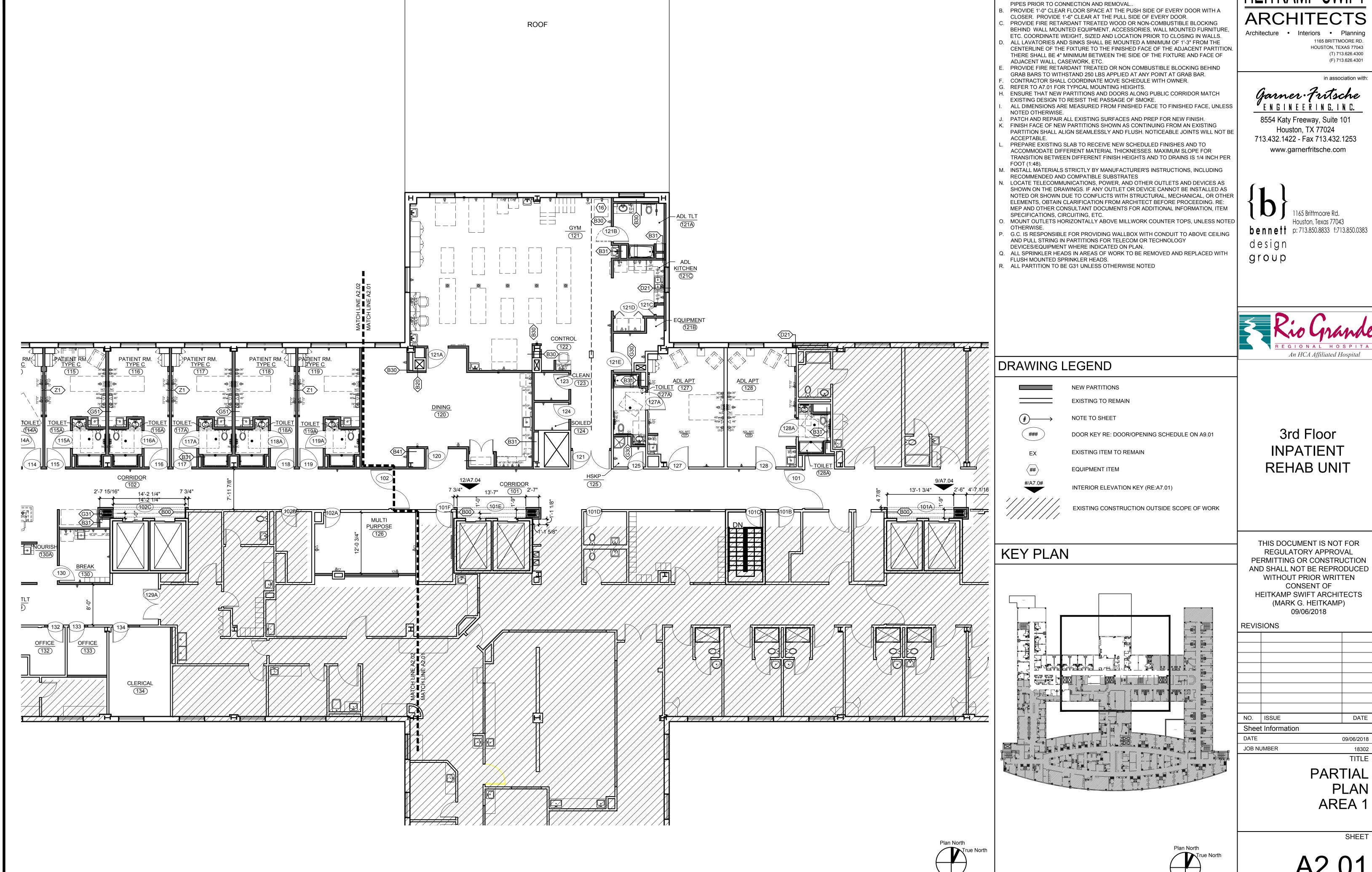
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DEMO OVERALL FLOOR PLAN

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1/16" : 1'-0"



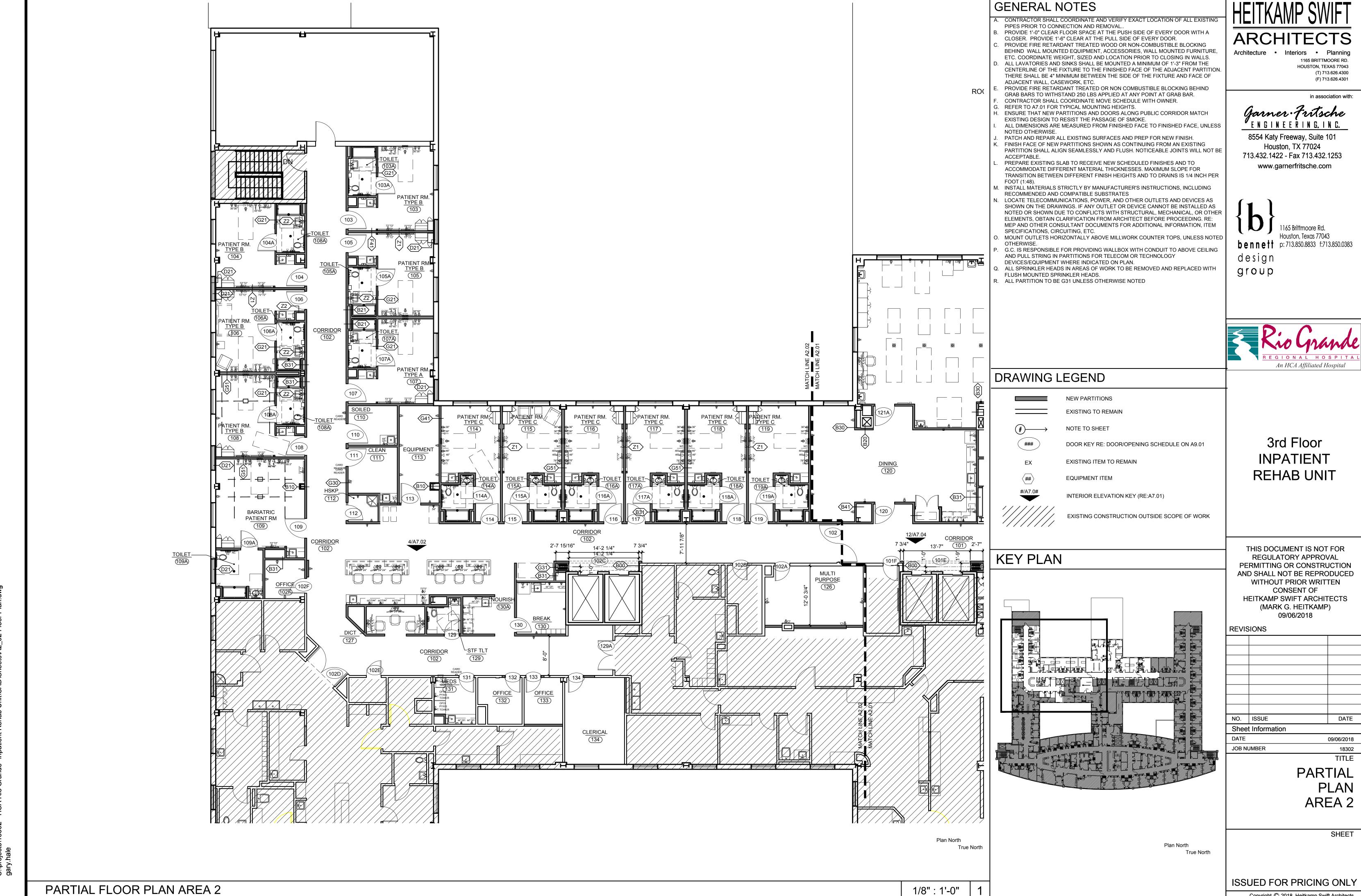
PARTIAL FLOOR PLAN AREA 1

1/8" : 1'-0"

GENERAL NOTES

A. CONTRACTOR SHALL COORDINATE AND VERIFY EXACT LOCATION OF ALL EXISTING

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- A. SEE A7.01 FOR TYPICAL MOUNTING HEIGHTS

 B. PROVIDE 1'-0" CLEAR FLOOR SPACE AT THE PLISH SIDE OF EVERY DOO
- B. PROVIDE 1'-0" CLEAR FLOOR SPACE AT THE PUSH SIDE OF EVERY DOOR WITH A CLOSER. PROVIDE 1'-6" CLEAR AT THE PULL SIDE OF EVERY DOOR.
 C. ALL LAVATORIES AND SINKS SHALL BE MOUNTED A MINIMUM OF 1'-3" FROM THE CENTERLINE OF THE FIXTURE TO THE FINISHED FACE OF THE ADJACENT
- CENTERLINE OF THE FIXTURE TO THE FINISHED FACE OF THE ADJACENT PARTITION. THERE SHALL BE 4" MINIMUM BETWEEN THE SIDE OF THE FIXTURE AND FACE OF ADJACENT WALL, CASEWORK, ETC.

 D. REFER TO FINISH PLANS FOR WALL PROTECTION INFORMATION.
- E. PROVIDE NURSE CALL SYSTEM TO MATCH HOSPITAL STANDARD.
 F. REFER TO VENDOR DRAWINGS. CONTRACTOR RESPONSIBLE FOR CUSTOMER/ CONTRACTOR INSTALLATION REQUIREMENTS.

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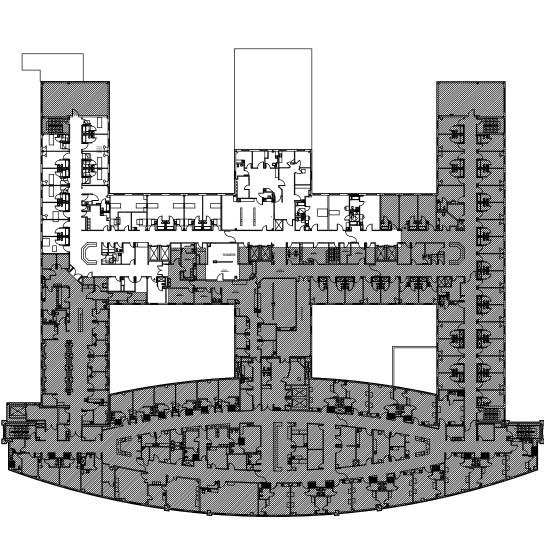


LEGEND

NOT IN PROJECT SCOPE

3rd Floor INPATIENT REHAB UNIT

KEY PLAN



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JOB NUMBER

OVERALL RCP FLOOR PLAN

SHEE

TITLE

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1/16" : 1'-0" | 1

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OVERALL RCP FLOOR PLAN

A. CONTRACTOR SHALL COORDINATE AND VERIFY EXACT LOCATION OF ALL EXISTING

BEHIND WALL MOUNTED EQUIPMENT, ACCESSORIES, WALL MOUNTED FURNITURE, ETC. COORDINATE WEIGHT, SIZED AND LOCATION PRIOR TO CLOSING IN WALLS.

PROVIDE FIRE RETARDANT TREATED OR NON COMBUSTIBLE BLOCKING. CONTRACTOR SHALL COORDINATE MOVE SCHEDULE WITH OWNER.

G. ALL DIMENSIONS ARE MEASURED FROM FINISHED FACE TO FINISHED FACE, UNLESS

PATCH AND REPAIR ALL EXISTING SURFACES AND PREP FOR NEW FINISH.

INSTALL MATERIALS STRICTLY BY MANUFACTURER'S INSTRUCTIONS, INCLUDING

SHOWN ON THE DRAWINGS. IF ANY OUTLET OR DEVICE CANNOT BE INSTALLED AS NOTED OR SHOWN DUE TO CONFLICTS WITH STRUCTURAL, MECHANICAL, OR OTHER ELEMENTS, OBTAIN CLARIFICATION FROM ARCHITECT BEFORE PROCEEDING. RE: MEP AND OTHER CONSULTANT DOCUMENTS FOR ADDITIONAL INFORMATION, ITEM

AND PULL STRING IN PARTITIONS FOR TELECOM OR TECHNOLOGY

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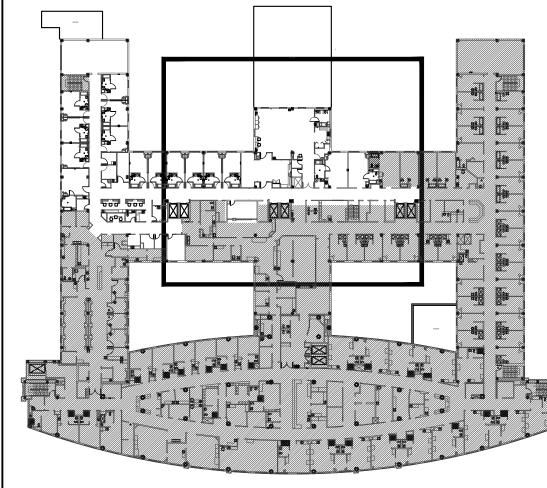
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09/06/2018



AREA 1

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1/8" : 1'-0"

PARTIAL RCP FLOOR PLAN AREA 2

PARTITION SHALL ALIGN SEAMLESSLY AND FLUSH. NOTICEABLE JOINTS WILL NOT BE

FINISH FACE OF NEW PARTITIONS SHOWN AS CONTINUING FROM AN EXISTING

LOCATE TELECOMMUNICATIONS, POWER, AND OTHER OUTLETS AND DEVICES AS

M. ALL SPRINKLER HEADS IN AREAS OF WORK TO BE REMOVED AND REPLACED WITH

FLUSH MOUNTED SPRINKLER HEADS. ALIGN HEAD IN CENTER OF ACT. TILE.

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> TITLE PARTIAL RCP PLAN

> > SHEET

PARTIAL RCP FLOOR PLAN AREA 2

CEILING PLAN NOTES

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GENERAL NOTES

1/8" : 1'-0"



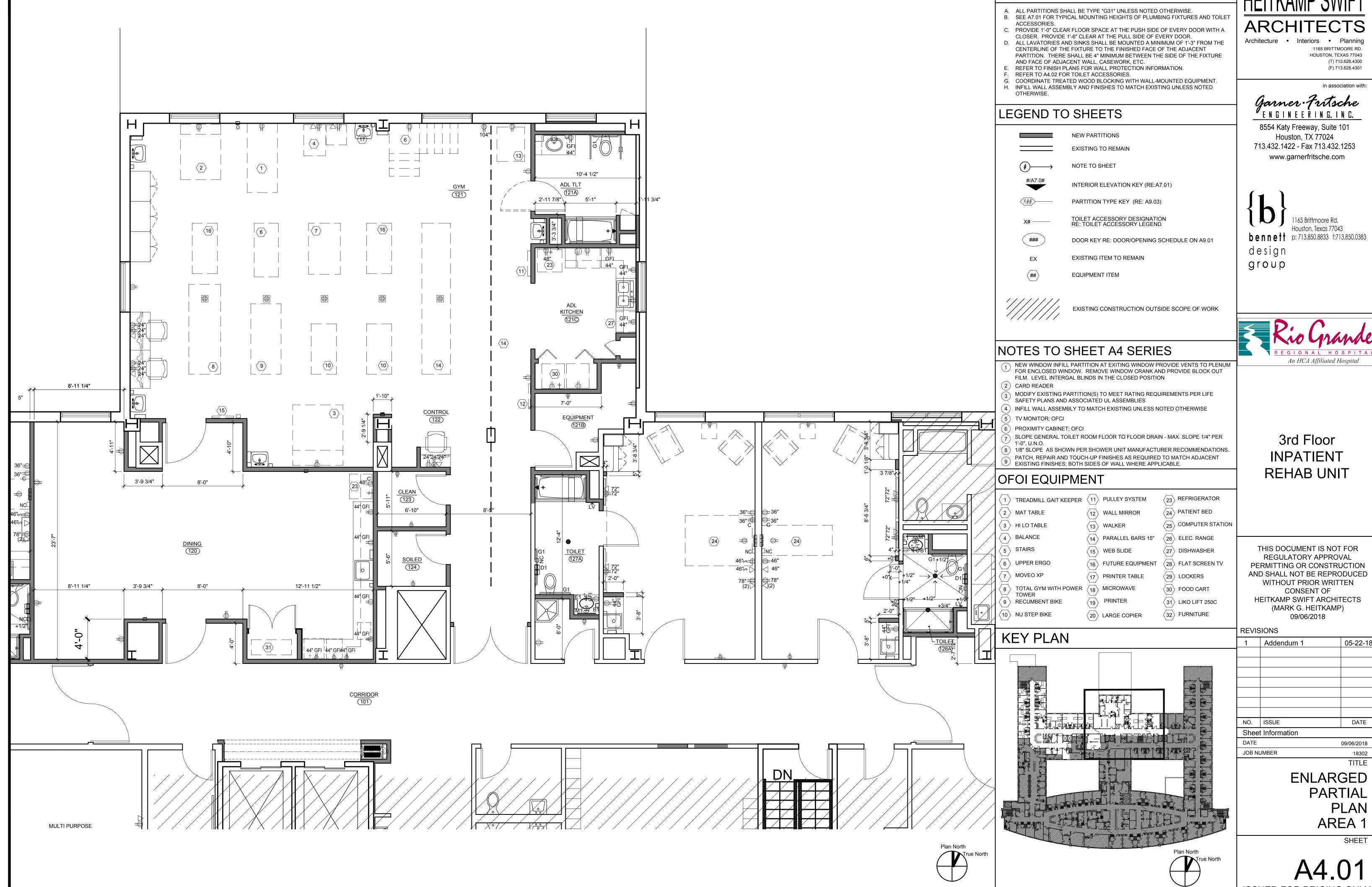
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> **PARTIAL** RCP PLAN AREA 2

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Sep 06, 2018 - 10.30pm S:\projects\18302 - HCA Rio Grande -Inpatient Rehab Unit\CAD\Sheets\A4_01 Enlarged Floor Pla

ENLARGED PARTIAL FLOOR PLAN AREA 1

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1/8" : 1'-0"

GENERAL NOTES

- A. ALL PARTITIONS SHALL BE TYPE "G31" UNLESS NOTED OTHERWISE. B. SEE A7.01 FOR TYPICAL MOUNTING HEIGHTS OF PLUMBING FIXTURES AND TOILET
- PROVIDE 1'-0" CLEAR FLOOR SPACE AT THE PUSH SIDE OF EVERY DOOR WITH A CLOSER. PROVIDE 1'-6" CLEAR AT THE PULL SIDE OF EVERY DOOR. . ALL LAVATORIES AND SINKS SHALL BE MOUNTED A MINIMUM OF 1'-3" FROM THE CENTERLINE OF THE FIXTURE TO THE FINISHED FACE OF THE ADJACENT PARTITION. THERE SHALL BE 4" MINIMUM BETWEEN THE SIDE OF THE FIXTURE
- REFER TO FINISH PLANS FOR WALL PROTECTION INFORMATION.
- COORDINATE TREATED WOOD BLOCKING WITH WALL-MOUNTED EQUIPMENT. H. INFILL WALL ASSEMBLY AND FINISHES TO MATCH EXISTING UNLESS NOTED

LEGEND TO SHEETS

NEW PARTITIONS EXISTING TO REMAIN NOTE TO SHEET

INTERIOR ELEVATION KEY (RE:A7.01)

EXISTING CONSTRUCTION OUTSIDE SCOPE OF WORK

NOTES TO SHEET A4 SERIES

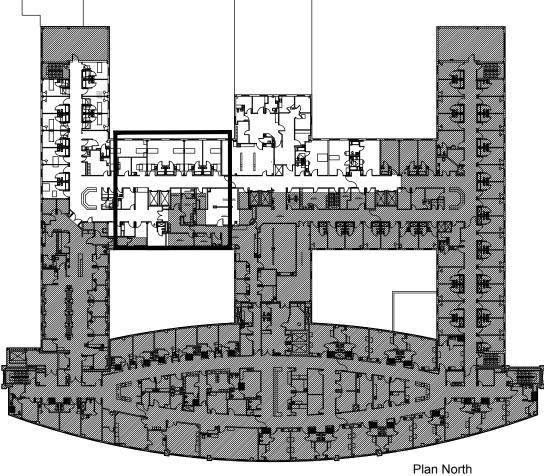
- FOR ENCLOSED WINDOW. REMOVE WINDOW CRANK AND PROVIDE BLOCK OUT FILM. LEVEL INTERGAL BLINDS IN THE CLOSED POSITION
- (4) INFILL WALL ASSEMBLY TO MATCH EXISTING UNLESS NOTED OTHERWISE
- (8) 1/8" SLOPE AS SHOWN PER SHOWER UNIT MANUFACTURER RECOMMENDATIONS.

- \langle 3 angle HI LO TABLE
- 4 BALANCE
- $/_5$ STAIRS 6 UPPER ERGO
- MOVEO XP
- 9 RECUMBENT BIKE
- $\langle 10 \rangle$ NU STEP BIKE
- $\langle 29 \rangle$ LOCKERS $\langle 30 \rangle$ FOOD CART

 $\left\langle \overline{23} \right\rangle$ REFRIGERATOR

 $\langle 24 \rangle$ PATIENT BED

31 LIKO LIFT 250C



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PARTIAL PLAN AREA 2

DATE

18302 TITLE

09/06/2018

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PARTIAL ENLARGED FLOOR PLAN AREA 2

1/8" : 1'-0"

AND FACE OF ADJACENT WALL, CASEWORK, ETC. REFER TO A4.02 FOR TOILET ACCESSORIES.

PARTITION TYPE KEY (RE: A9.03)

TOILET ACCESSORY DESIGNATION RE: TOILET ACCESSORY LEGEND

DOOR KEY RE: DOOR/OPENING SCHEDULE ON A9.01

EXISTING ITEM TO REMAIN

EQUIPMENT ITEM

NEW WINDOW INFILL PARTITION AT EXITING WINDOW PROVIDE VENTS TO PLENUM

- MODIFY EXISTING PARTITION(S) TO MEET RATING REQUIREMENTS PER LIFE SAFETY PLANS AND ASSOCIATED UL ASSEMBLIES
- (5) TV MONITOR; OFCI
- (6) PROXIMITY CABINET; OFCI
- SLOPE GENERAL TOILET ROOM FLOOR TO FLOOR DRAIN MAX. SLOPE 1/4" PER 1'-0", U.N.O.
- PATCH, REPAIR AND TOUCH-UP FINISHES AS REQUIRED TO MATCH ADJACENT

OFOI EQUIPMENT

- 1 TREADMILL GAIT KEEPER (11) PULLEY SYSTEM $\langle 12 \rangle$ WALL MIRROR (2) MAT TABLE
- $\langle 25 \rangle$ COMPUTER STATION 13 WALKER 14 PARALLEL BARS 15" 26 ELEC. RANGE
- $\langle 15 \rangle$ WEB SLIDE $\langle 27 \rangle$ DISHWASHER 16 FUTURE EQUIPMENT 28 FLAT SCREEN TV
- $\langle 17 \rangle$ PRINTER TABLE $\langle 18 \rangle$ MICROWAVE
- PRINTER 32 FURNITURE 20 LARGE COPIER

KEY PLAN

NTS

ARCHITECTS

ENGINEERING. INC.

8554 Katy Freeway, Suite 101

Houston, TX 77024 713.432.1422 - Fax 713.432.1253

www.garnerfritsche.com

bennett p: 713.850.8833 f:713.850.0383

An HCA Affiliated Hospital

3rd Floor

INPATIENT

REHAB UNIT

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(MARK G. HEITKAMP)

09/06/2018

design

group

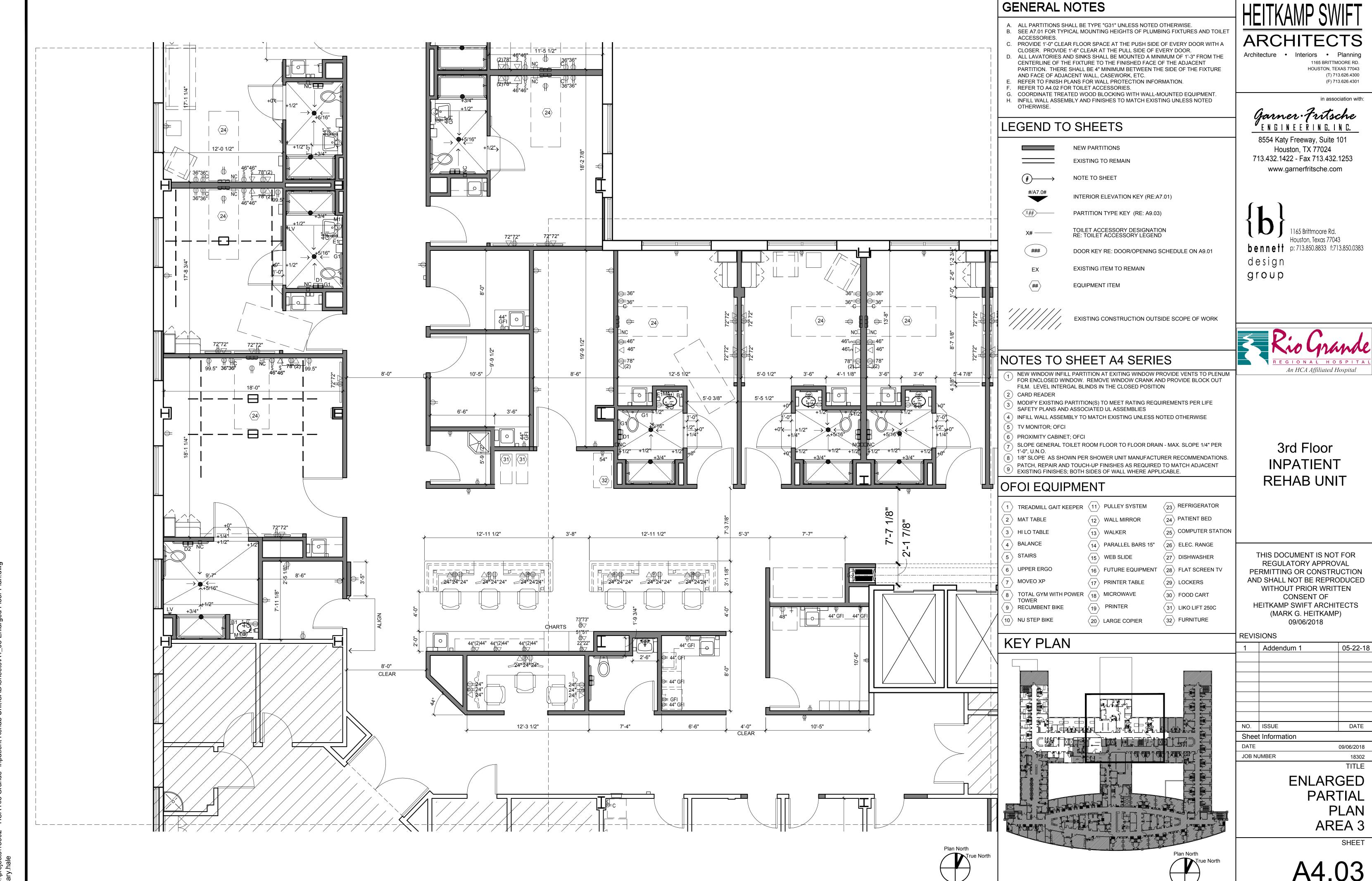
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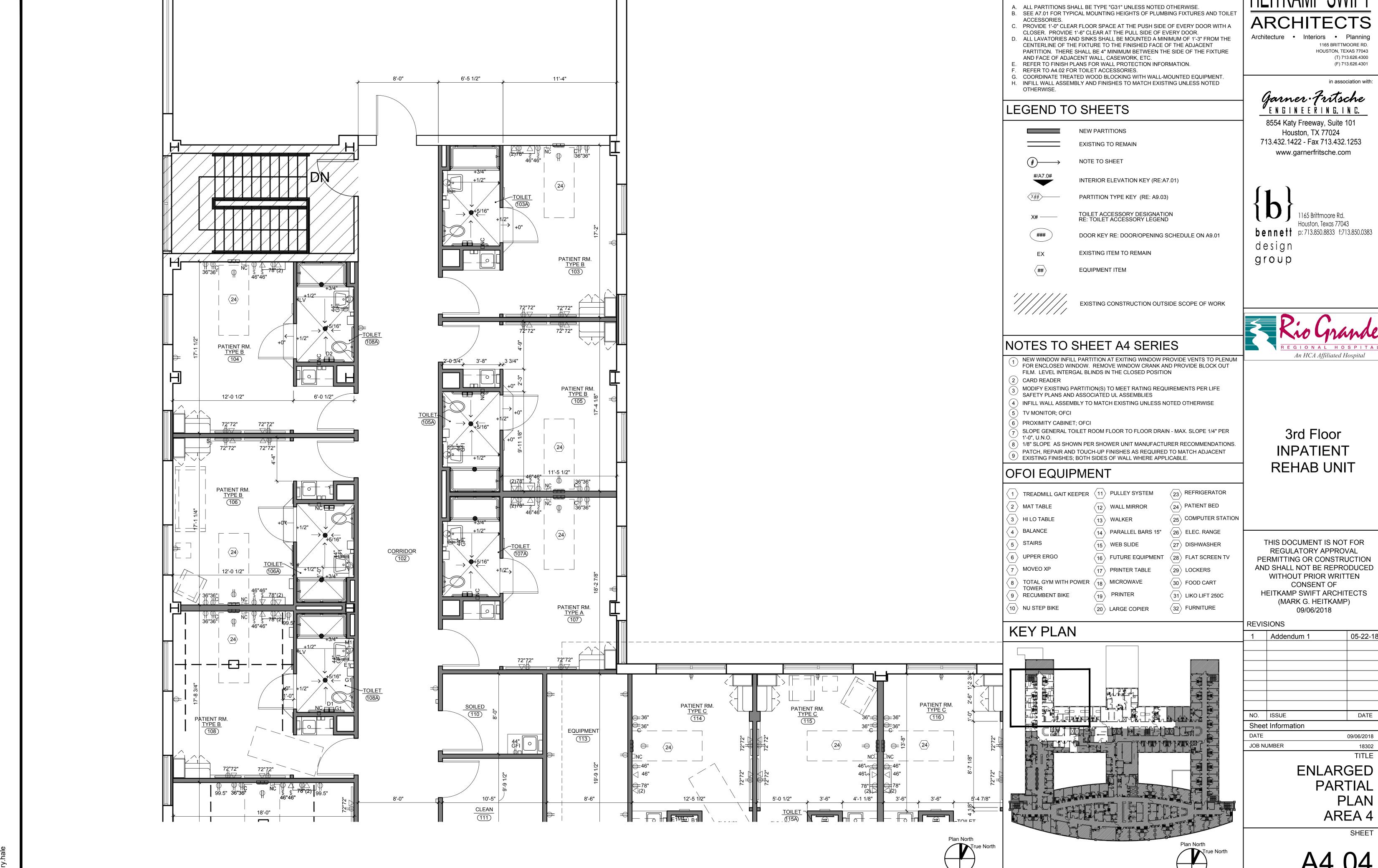


PARTIAL ENLARGED FLOOR PLAN AREA 3

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1/8" : 1'-0"



ENLARGED PARTIAL FLOOR PLAN AREA 4

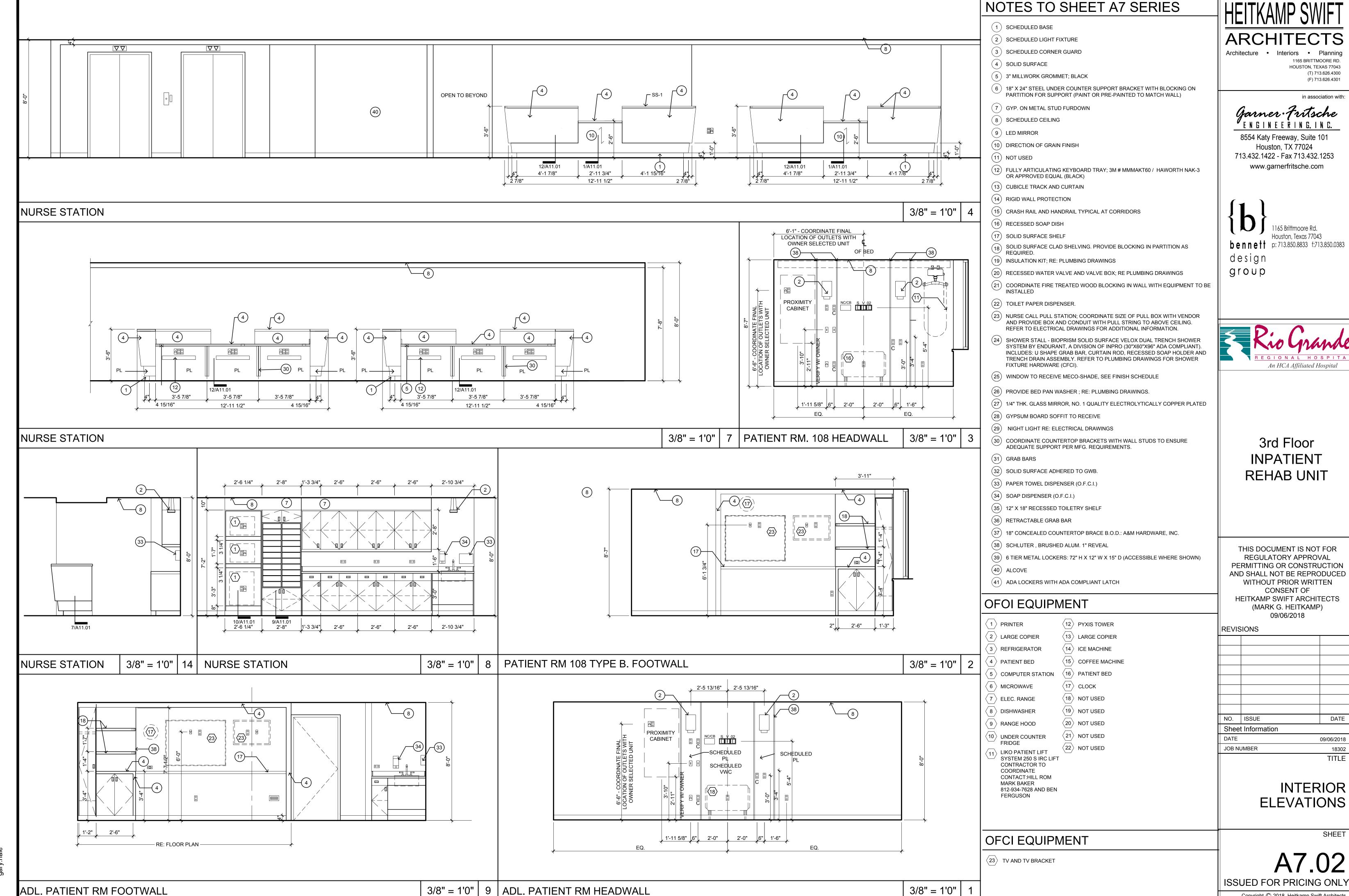
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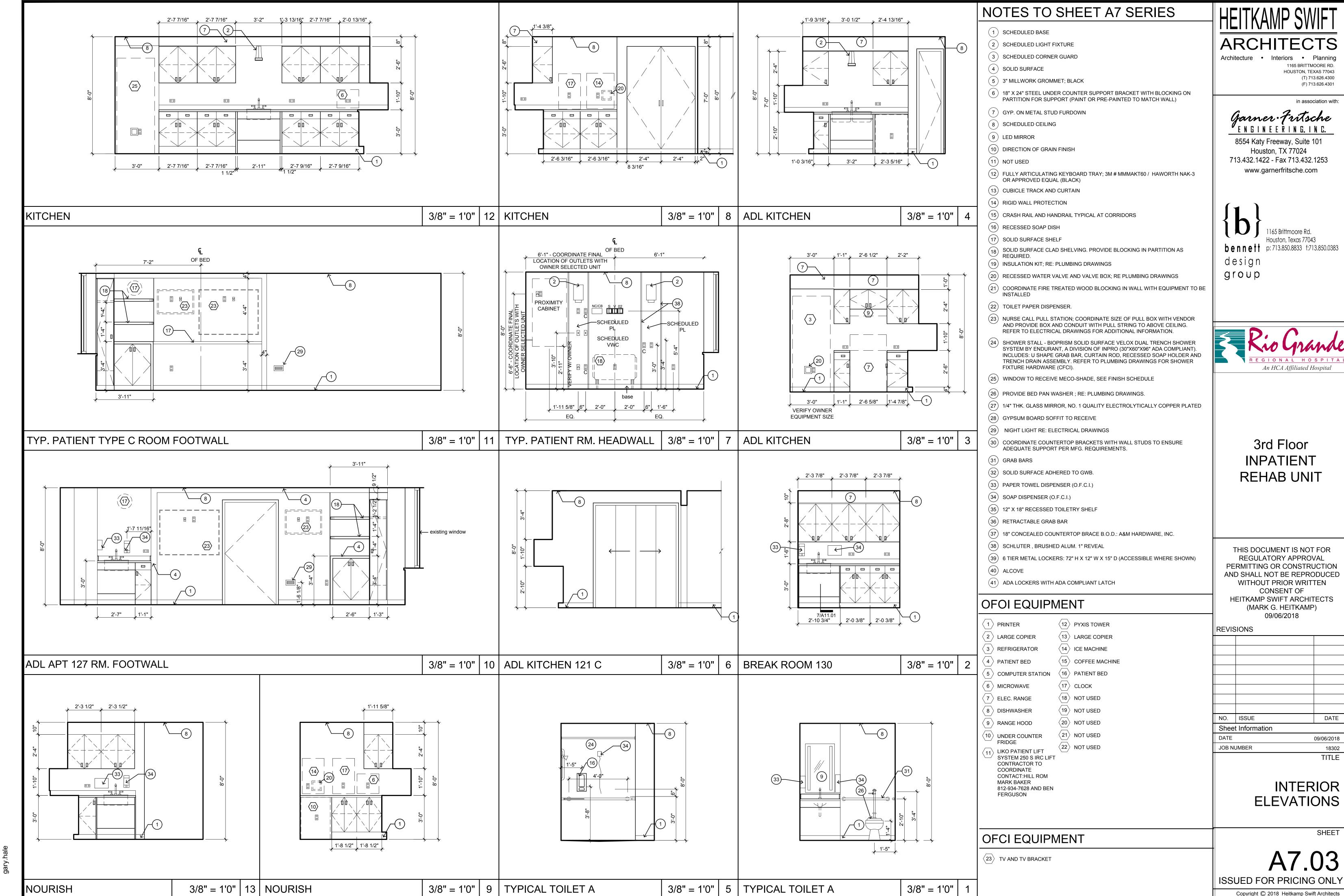
NTS

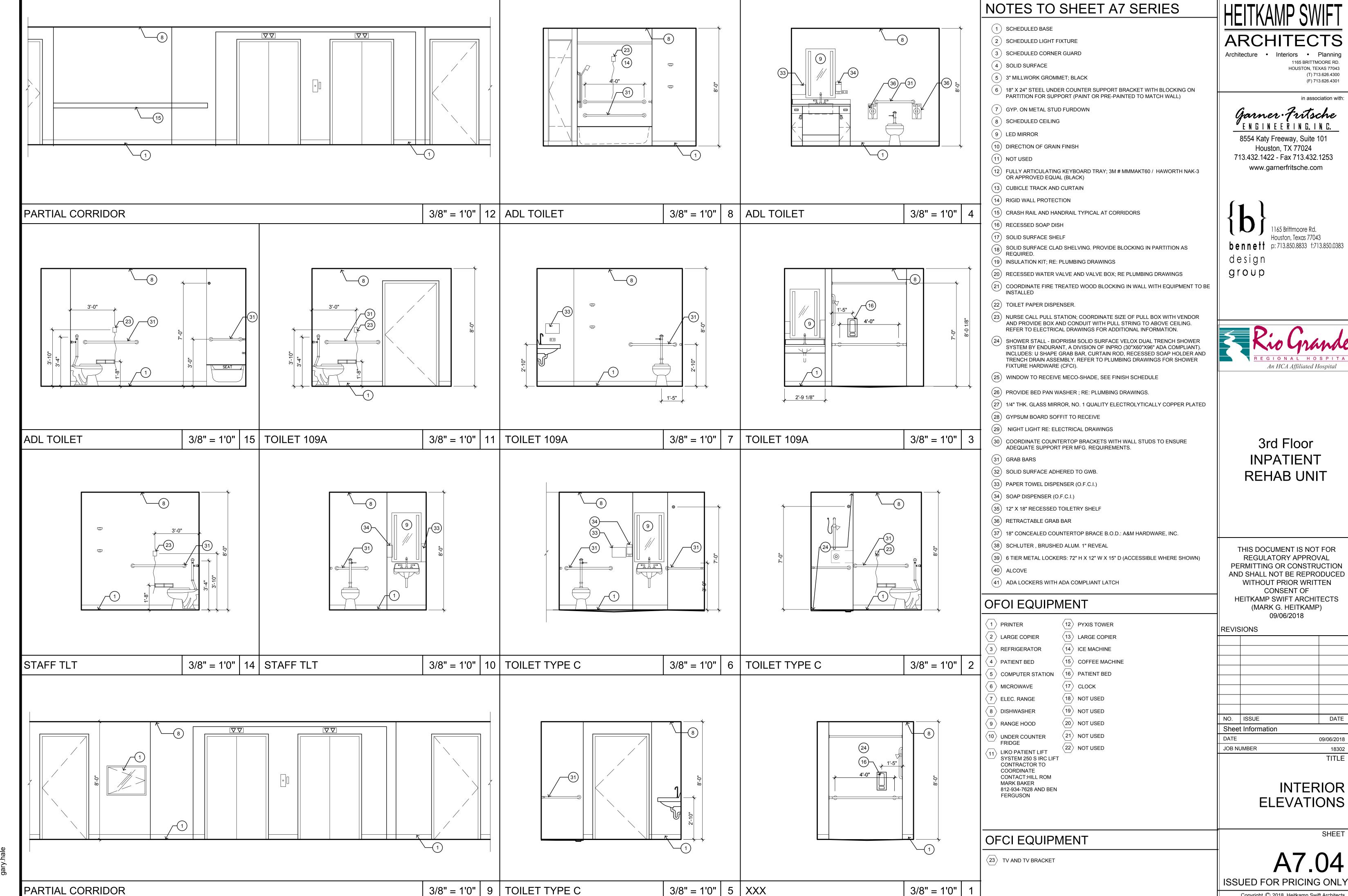
1/4" : 1'-0"

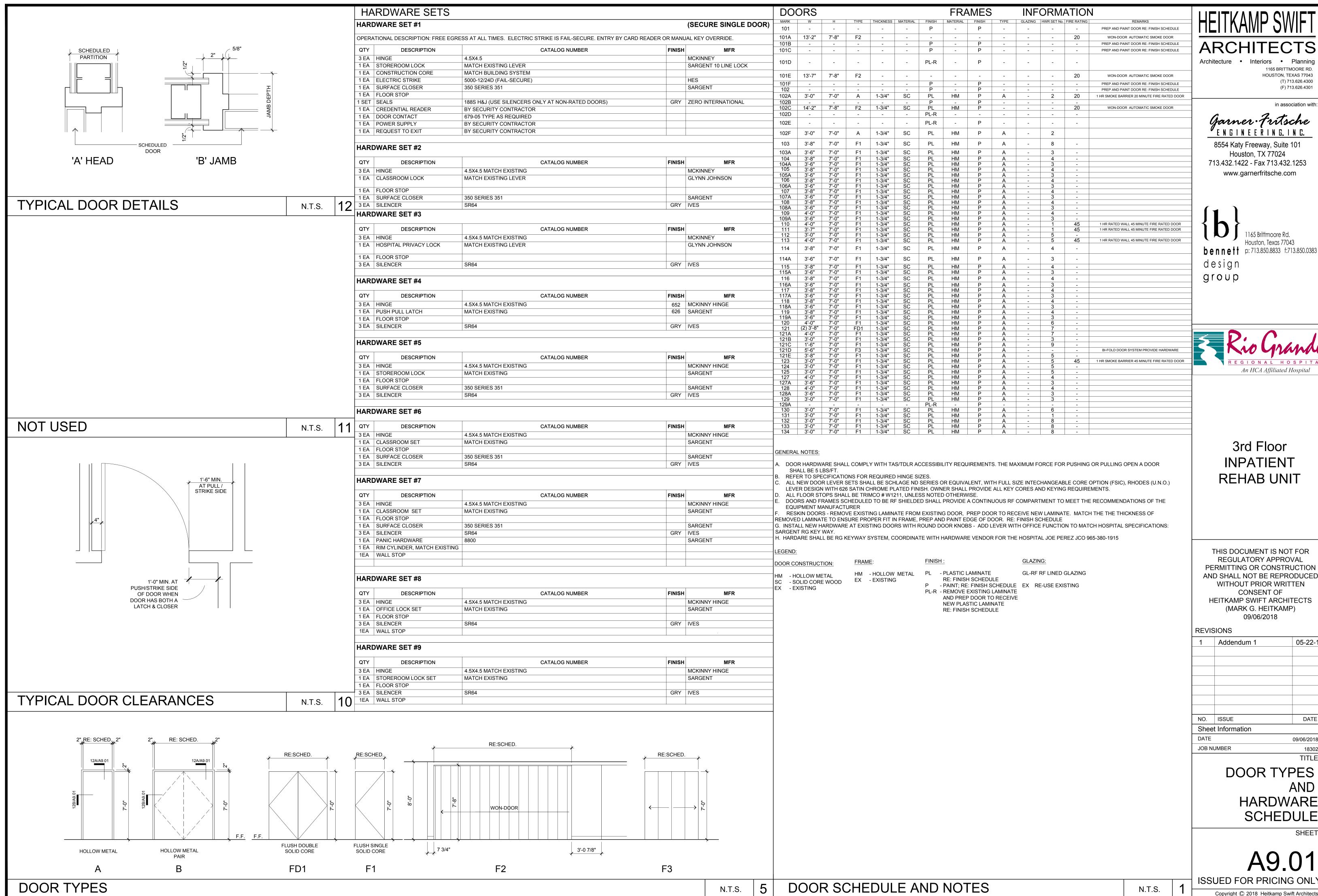
GENERAL NOTES

Sep 08, 2018 - 10.34pm S:\projects\18302 - HCA Rio Grande -Inpatient Rehab Unit\CAD\Sheets\A7_01 Interior Elevations.dwg









HARDWARE

SCHEDULE

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Houston, Texas 77043

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CONSENT OF

09/06/2018

05-22-18

DATE

18302

TITLE

SHEET

09/06/2018

An HCA Affiliated Hospital

Inpatient Rehab Unit

Third Floor

101 East Ridge Road McAllen, Texas 78503

FACILITIES SERVICES GROUP
HEITKAMP SWIFT ARCHITECTS
BENNETT DESIGN GROUP
GARNER FRITSCHE ENGINEERING, INC.
HENDERSON ROGERS

PROJECT MANAGER
CONSULTING ARCHITECT
INTERIORS
MEP ENGINEER
STRUCTURAL ENGINEER

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Garner-Fritsch

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Rio Grande REGIONAL HOSPITAL

> 3rd Floor INPATIENT REHAB UNIT

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Sheet Information

DATE 09/06/2018

COVER

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- 1. THE CONTRACT DOCUMENTS ARE A INTENDED TO BE COMPLEMENTARY. THE CONTRACTOR SHALL REVIEW AND CORRELATE THE INTENT AND IS RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT ON ANY ITEMS OR ISSUES IN QUESTION BEFORE PROCEEDING.
- 2. THE CONTRACTOR SHALL CONSULT THE ARCHITECT CONCERNING ANY ITEM OF WORK TO BE PERFORMED NOT SHOWN ON THE DRAWINGS.
- 3. ALL MATERIALS, FIXTURES, CASEWORK AND OTHER ITEMS REMOVED FROM THE PROJECT SITE, UNLESS SPECIFICALLY NOTED OTHERWISE IN THE CONTRACT DOCUMENTS, ARE TO BE DISPOSED OF BY THE CONTRACTOR. THE CONTRACTOR SHALL CONSULT THE OWNER CONCERNING THE DISPOSITION OF ANY ITEMS IN
- 4. CARE TO BE TAKEN TO AVOID DAMAGE TO MEDICAL EQUIPMENT BUILT INTO WALLS SCHEDULED FOR DEMOLITION AND EQUIPMENT TO BE RETURNED TO OWNER OR RELOCATED. PROPERLY DISCONNECT FROM ELECTRICAL, PLUMBING OR MECHANICAL SYSTEM AND SALVAGE.
- 5. UNLESS SHOWN ON THE DRAWINGS BY EXACT DIMENSION, THE CONTRACTOR SHALL VERIFY WITH THE OWNER EXACT LOCATIONS OF ALL ELECTRICAL OUTLETS, TELEPHONE OULETS, SPECIAL DEVICES AND APPURTENANCES INDICATED ON THE DRAWINGS.
- 6. THE CONTRACTOR SHALL ERECT SUCH BARRIER DUST PARTITIONS AND OTHER TEMPORARY CONSTRUCTION AS MAY BE REQUIRED TO ENSURE THE CONTINUED SAFE OPERATION OF ALL AREAS ADJACENT TO THE PROJECT. COORDINATE ALL TEMPORARY CONSTRUCTION WITH OWNER.
- 7. THE CONTRACTOR SHALL REPAIR OR REPLACE, TO THE SATISFACTION OF AND WITHOUT ADDITIONAL COST TO OWNER ANY FURNITURE, FIXTURE, FINISH OR SYSTEM DAMAGED BY THE CONTRACTOR DURING THE EXECUTION OF THE WORK OF THE
- 8. THE CONTRACTOR SHALL CLEAN UP THE CONSTRUCTION SITE AT THE END OF EACH WORKING DAY AND REMOVE ALL TRASH AND DEBRIS FROM THE SITE. THE CONTRACTOR SHALL NOT ALLOW ADJACENT AREAS TO BECOME DUSTY, DIRTY OR CLUTTERED AS A RESULT OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL PERFORM FINAL CLEAN UP PRIOR TO ACCEPTANCE OF THE COMPLETED WORK.
- 9. THE CONTRACTOR SHALL PATCH AND FINISH, TO MATCH EXISTING, ANY ADJACENT ROOMS OR CORRIDORS WHICH ARE AFFECTED IN ANY MANNER BY THIS CONSTRUCTION, INCLUDING THOSE SPACES ABOVE OR BELOW THE SITE WHICH MAY PROVIDE REQUIRED ACCESS TO THE WORK. THE CONTRACTOR SHALL COORDINATE SUCH ADJACENT ACCESS REQUIREMENTS WITH OWNER, ALLOWING AS MUCH ADVANCED NOTICE AS IS PRACTICAL.
- 10. THE CONTRACTOR SHALL FILL AND PATCH ALL OPENINGS, SEAL AROUND ALL PIPES, DUCTS, CONDUIT, ETC., AND ENSURE THE INTEGRITY OF ALL REQUIRED FIRE AND/OR SMOKE SEPARATIONS

PROJECT LOCATION -

GENERAL NOTES CONTINUED

- IN ACCORDANCE WITH APPLICABLE CODES AND ORDINANCES.
- 11. PROVIDE FIRE RETARDANT TREATED WOOD OR NON-COMBUSTIBLE BLOCKING BEHIND EQUIPMENT, ACCESSORIES, ETC. COORDINATE WEIGHT, SIZED AND LOCATION PRIOR TO CLOSING IN WALLS.
- 12. WORK WITH NOISE PRODUCING EQUIPMENT IS SUBJECT, AT ALL TIMES, TO THE OWNER'S APPROVAL OF THE ENTIRE PROCEDURE.
- 13. THE CONTRACTOR SHALL SUBMIT TO THE OWNER A MATERIAL SAFETY DATA SHEET FOR ANY VOLATILE, FLAMMABLE, EXPLOSIVE, CORROSIVE, OR POISONOUS MATERIALS BEFORE DELIVERY TO THE PREMISES.
- 14. G.C. IS RESPONSIBLE FOR COORDINATING AND SCHEDULING WITH OWNER'S EQUIPMENT VENDORS AND/OR TECHNOLOGY CONTRACTOR'S EFFORTS.
- 15. GENERAL CONTRACTOR TO VERIFY OPENING CLEARANCES FOR THE DELIVERY OF EQUIPMENT AND MATERIALS TO THE SITE.
- 16. INSTALL MANUFACTURED ITEMS, FINISHES, MATERIALS AND EQUIPMENT ACCORDING TO THE MANUFACTURER'S REQUIREMENTS AND SPECIFICATIONS, EXCEPT WHEN BASE BUILDING OR FACILITYSPECIFICATIONS ARE MORE STRINGENT. PREPARE SURFACE OR SUBSTRATE TO RECEIVE NEW SCHEDULED FINISHES OR MATERIALS IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
- 17. CONTRACTOR SHALL COORDINATE MOVE SCHEDULE WITH OWNER.

BUILDING KEY MAP

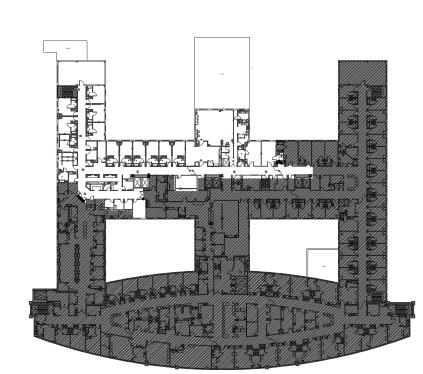
18. FIRE ALARM, SPRINKLER AND ELECTRIC LOCKS TO BE PERMITTED

PROJECT DATA

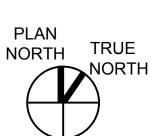
BUILDING CODE	2012 IBC
FIRE CODE	2012 IFC
MECHANICAL CODE	2012 IMC
ELECTRICAL CODE	2011 NEC
PLUMBING CODE	2012 IPC
PLUMBING CODE	2012 IPC
ENERGY CODE	2009 IEC

PROJECT NAME	INPATIENT REHAB UNIT
PROJECT ADDRESS	RIO GRANDE REGIONAL HOSPITAL
	101 East Ridge Road
	McAllen, Texas 78503
PARKING SPACES (TOTAL)	EXISTING
ACCESSIBLE SPACES	EXISTING
OCCUPANCY TYPES:	INSTITUTIONAL GROUP I-2
OCCUPANCY LOAD:	1/240 SF
GROSS FLOOR AREA - RENOVAT	ION 13,000 SF
HEIGHT ABOVE GROUND	THIRD FLOOR
TYPE OF CONSTRUCTION	TYPE I - FULLY SPRINKLED
STRUCTURAL FRAME DESIGN No	. N/A
INTERIOR OPENING PROTECTION	N N/A
PARTITIONS	RE:LIFE SAFETY PLAN
EMERGENCY POWER	RE: ELECTRICAL
FIRE ALARM	RE: ELECTRICAL

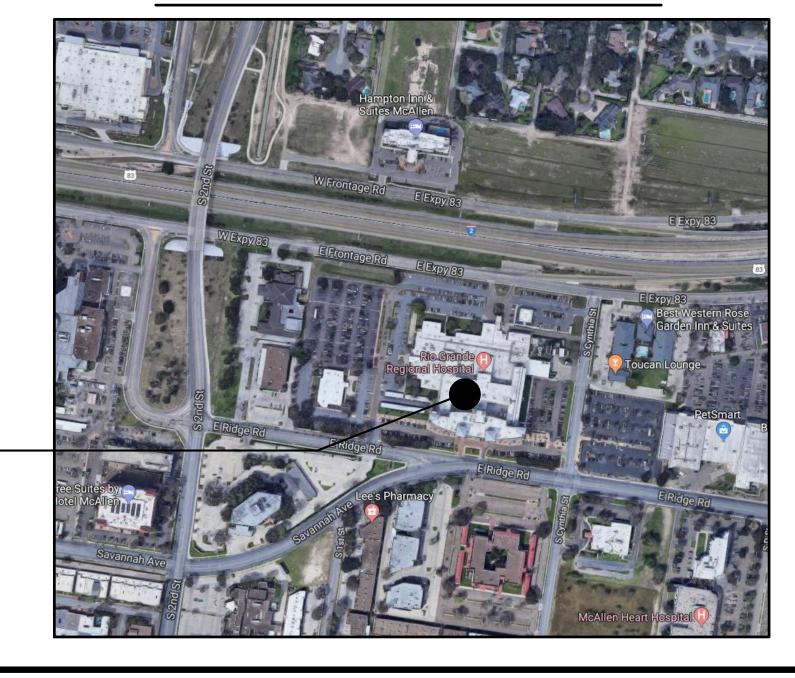
INSTITUTIONAL OCCUPANCY, SPRINKLERED BUILDING: EXIT ENCLOSURES AND EXIT PASSAGEWAYS: EXISTING CORRIDORS: EXISTING ROOMS AND ENCLOSED SPACES: REFER ID SERIES DRAWINGS



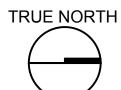
PROJECT LOCATION LEVEL 3



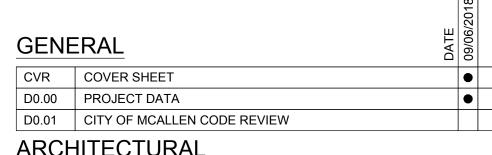
VICINITY MAP



RIO GRANDE REGIONAL HOSPITAL 101 East Ridge Road McAllen, TX 78503



LIST OF DRAWINGS



ARCHITECTURAL

A0.00 | LIFE SAFETY PLAN

A1.00	DEMO OVERALL FLOOR PLAN	•	•			
A1.01	PARTIAL DEMO PLAN AREA 1	•	Þ			
A1.02	PARTIAL DEMO PLAN AREA 2	•	•			
A2.00	OVERALL FLOOR PLAN	•	P			
A2.01	PARTIAL FLOOR PLAN AREA 1	•	P			
A2.02	PARTIAL FLOOR PLAN AREA 2					
43.00	OVERALL RCP FLOOR PLAN					
43.01	PARTIAL RCP FLOOR PLAN AREA 1	•				
A3.02	PARTIAL RCP FLOOR PLAN AREA 2	•	D			
A4.01	ENLARGED PARTIAL PLAN AREA 1	•	Þ			
44.02	ENLARGED PARTIAL PLAN AREA 2	•	D			
\4.03	ENLARGED PARTIAL PLAN AREA 3	•				
4.04	ENLARGED PARTIAL PLAN AREA 4	•	D			
\7.01	INTERIOR ELEVATIONS	•				
7.02	INTERIOR ELEVATIONS	•	D			
7.03	INTERIOR ELEVATIONS					
7.04	INTERIOR ELEVATIONS	•	•			
\7.05	INTERIOR ELEVATIONS	•				
A7.06	INTERIOR ELEVATIONS	•				
49.01	DOOR TYPES AND HARDWARE SCHEDULE	•				
49.02	DOOR DETAILS	•				
A9.05	PARTITION TYPES	•				
A11.01	MILLWORK SECTIONS	•	•			
A11.02	MILLWORK SECTIONS					

ID1.00	FINISH SCHEDULE	•			
ID1.01	FINISH PLAN	•			
ID1.02	PARTIAL FINISH PLAN	•			

ID1.02	PARTIAL FINISH PLAN	•			
STRU	CTURAL				
S1.01	3RD FLOOR FRAMING PLAN	•			

MECHANICAL

S3.01 FRAMING DETAILS

					
M0.00	INFORMATION SHEET - MECHANICAL	•			
M0.01	SCHEDULES - MECHANICAL	•			
M1.01	DEMOLITION PLAN - MECHANICAL	•			
M1.02	DEMOLITION PIPING PLAN - MECHANICAL	•			
M2.01	FLOOR PLAN - MECHANICAL	•			
M3.01	PIPING PLAN - MECHANICAL	•			
M4.01	ENLARGED PLAN - MECHANICAL	•			
M5.01	DETAILS - MECHANICAL	•			
M5.02	DETAILS - MECHANICAL	•			
MEP6.02	TEMPORARY AHU PLAN - MECHANICAL	•			

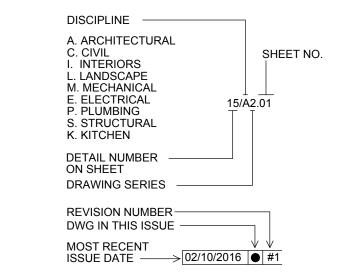
ELECTRICAL

	TI (IO/ (L				
E0.00	INFORMATION SHEET - ELECTRICAL	•			-
E0.01	PANEL SCHEDULES - ELECTRICAL	•			
E1.01	DEMOLITION PLAN - AREA 1 - ELECTRICAL	•			
E1.02	DEMOLITION PLAN - AREA 2 - ELECTRICAL	•			
E2.01	FLOOR PLAN - AREA 1 - LIGHTING	•			
E2.02	FLOOR PLAN - AREA 2 - LIGHTING	•			
E3.01	FLOOR PLAN - AREA 1 - POWER	•			
E3.02	FLOOR PLAN - AREA 2 - POWER	•			
E4.00	PARTIAL OVERALL 1ST FLOOR PLAN - EQUIPMENT POWER	•			
E4.01	FLOOR PLAN - AREA 1 - EQUIPMENT POWER	•			
E4.02	FLOOR PLAN - AREA 2 - EQUIPMENT POWER	•			
E5.01	FLOOR PLAN - AREA 1 - SPECIAL SYSTEMS	•			
E5.02	FLOOR PLAN - AREA 2 - SPECIAL SYSTEMS	•			L
E6.01	DETAILS - ELECTRICAL	•			

PLUMBING

I LOW	אווטוי		
P0.00	INFORMATION SHEET - PLUMBING	•	
P0.01	SCHEDULE SHEET - PLUMBING	•	
P1.01	DEMOLITION PLAN - PLUMBING	•	
P2.00	UNDER FLOOR PLAN - PLUMBING	•	
P2.01	FLOOR PLAN - PLUMBING	•	
P2.02	ENLARGED FLOOR PLANS - PLUMBING	•	
P2.03	ENLARGED FLOOR PLANS - PLUMBING	•	
P2.04	ENLARGED FLOOR PLANS - PLUMBING	•	
P2.05	ENLARGED FLOOR PLANS - PLUMBING	•	
P3.01	FLOOR PLAN - MED GAS AND FIRE PROTECTION		
P4.01	DETAILS - PLUMBING	•	
P5.01	RISERS - PLUMBING	•	

DRAWING NUMBER KEY



PROJECT DESCRIPTON

RENOVATION OF APPROXIMATELY 16,000 SF OF EXISTING INTERIOR SPACE AND PATIENT ROOMS.

EGRESS PATH IS NOT AFFECTED BY REMODELING PROJECT

CONTACT INFORMATION

PROJECT MANAGER

Facilities Services Group 3737 Buffalo Speedway, Suite 1400 Houston, TX 77098 (713) 852-1544 (713) 852-1542 Fax CONTACT: Rob Mason

ARCHITECT

Heitkamp Swift Architects 1165 Brittmoore Rd. Houston, Texas 77043 (713) 626-4300 (713) 626-4301 FAX CONTACT: Mark Heitkamp

INTERIOR DESIGNER

Bennett Design Group 1165 Brittmoore Rd. Houston, TX 77043 (713) 850-8833 CONTACT: Belinda Bennett

STRUCTURAL ENGINEER

2603 Augusta, Suite 800 Houston, Texas 77057 (713) 430-5800 (713) 430-5888 FAX **CONTACT: Elaine Rogers**

MEP ENGINEER

Garner Fritsche Engineering, Inc.

8554 Katy Freeway Suite 101 Houston, Texas 77024 (713) 432-1422 (713) 432-1253 FAX CONTACT: John Garner

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(MARK G. HEITKAMP)
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FLOOR PATTERN PLAN

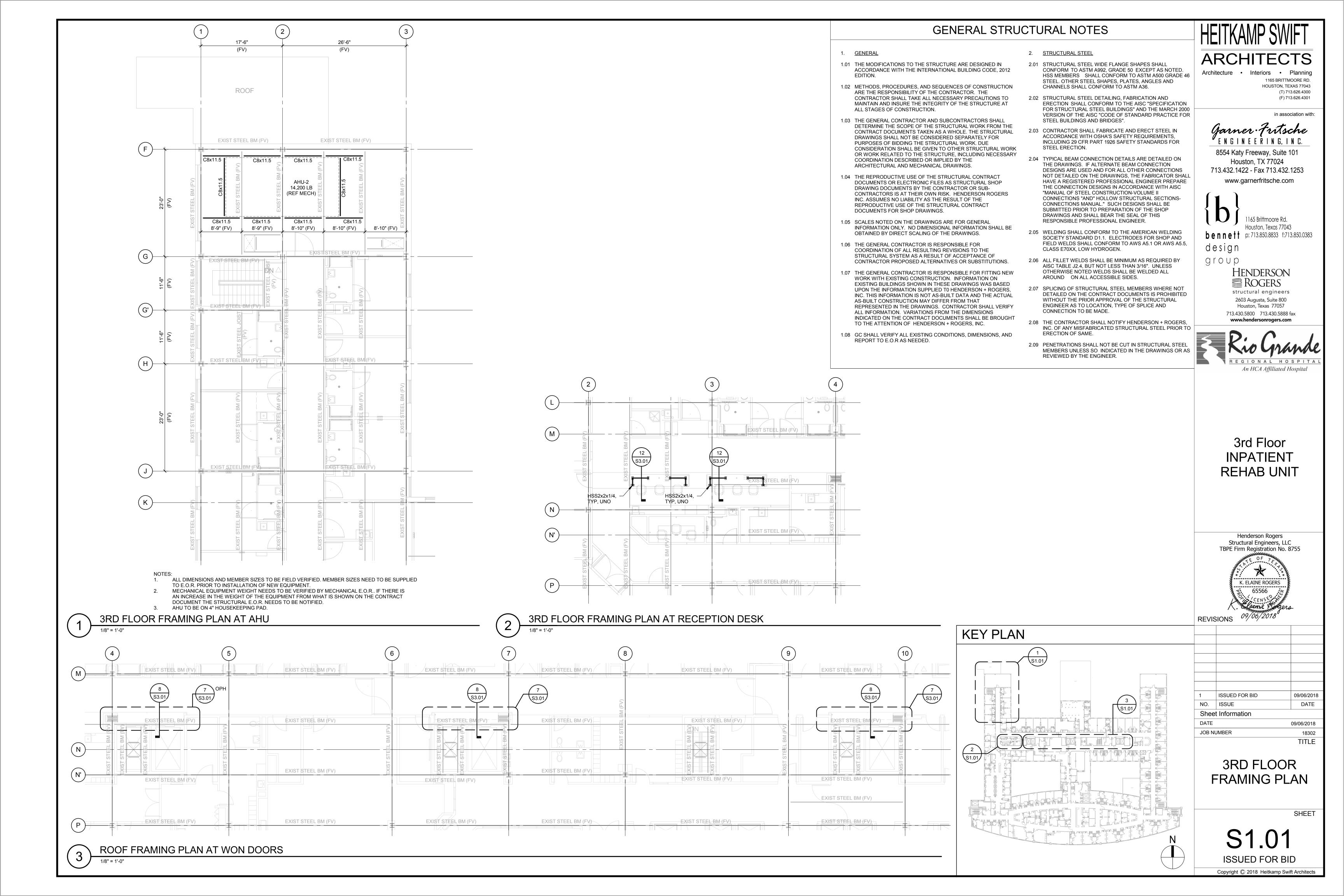
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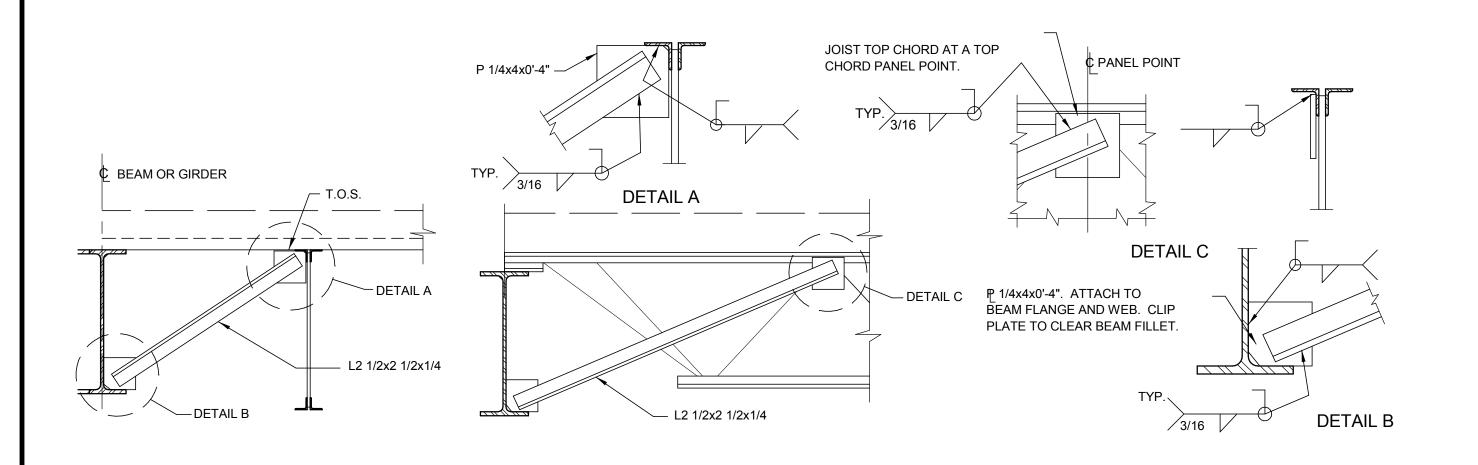
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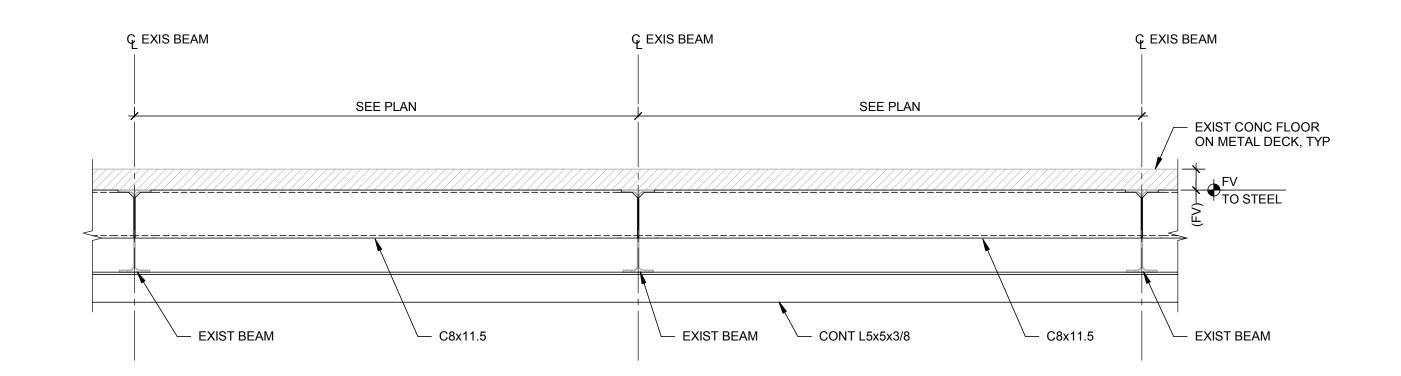
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FLOOR PATTERN PLAN

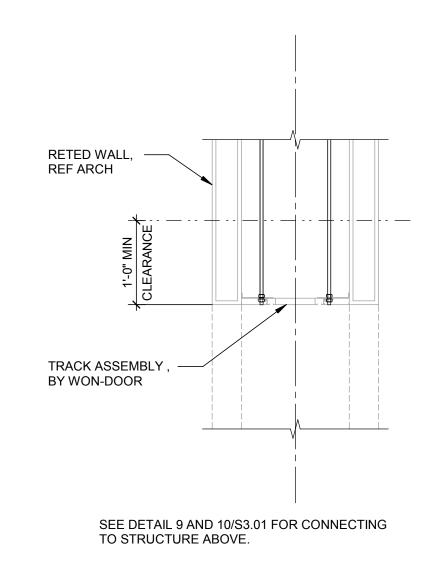




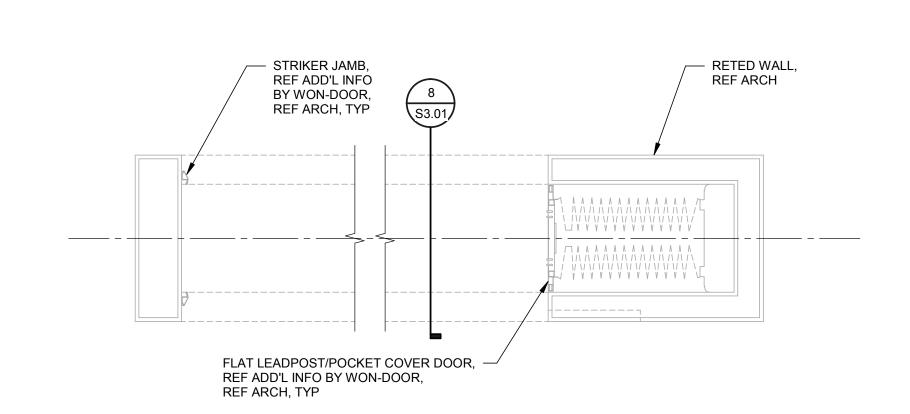


TYPICAL BRACING ANGLE CONNECTION

JOIST BRACING



SECTION AT WON DOOR ASSEMBLY



TOP REINFORCEMENT,

REFER TO SCHEDULE

WHERE SCHEDULED

3/4" CHAMFER, TYPICAL

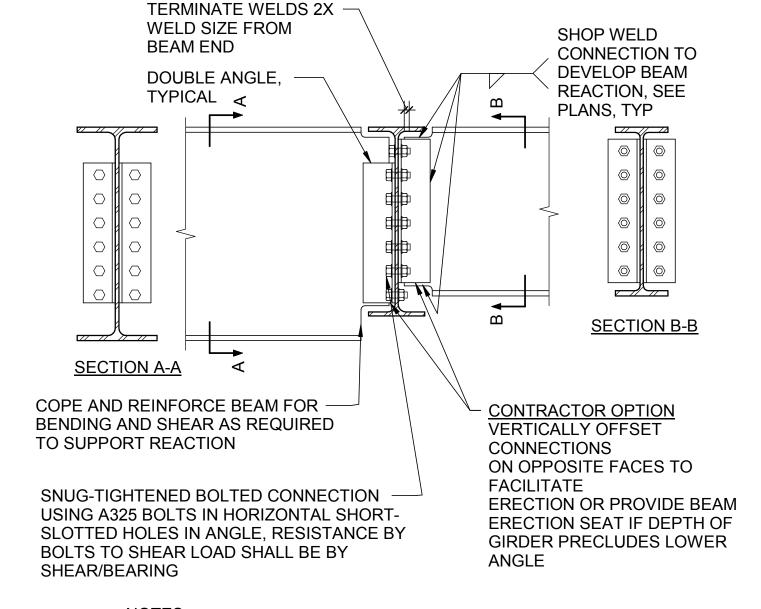
HILTI RE500

- #4 DOWELS@ 48"OC

EW, MIN 4 DOWELS PER PAD DRILLED

AND EPOXIED USING

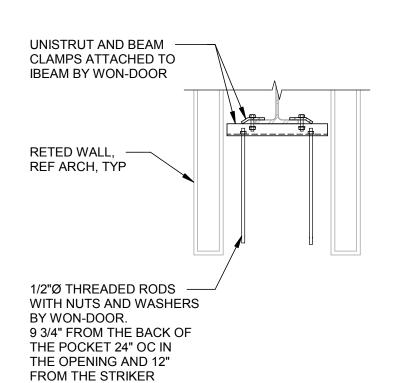
- BOTTOM REINFORCEMENT



1. REFER TO SPECIFICATIONS FOR CONNECTION DESIGN CRITERIA.

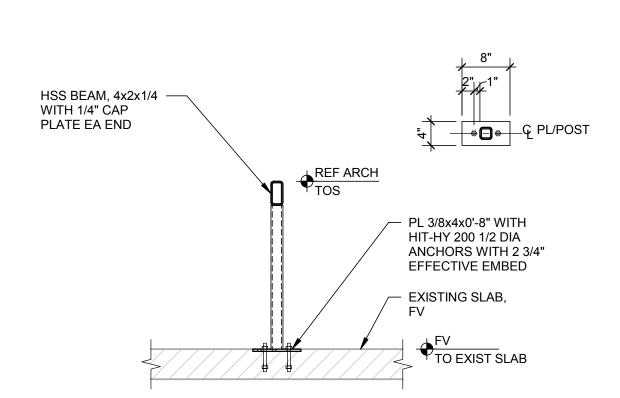
PROVIDE PREDESIGNED CONNECTIONS AS SHOWN IN AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL WHERE APPLICABLE.

TYPICAL BEAM-TO-BEAM SHEAR CONNECTION



WON DOOR SECTION FOR MOUNTING TO BOTTOM OF WIDE FLANGE BEAM

WON DOOR ASSEMBLY REFER TO NOTE 1 1-#4 CONTINUOUS AT — PERIMETER WITH 1-#4x4'-0" AT EXTERIOR CORNERS



HOUSEKEEPING PAD REINFORCEMENT SCHEDULE									
PAD THICKNESS	TOP REINFORCEMENT	BOTTOM REINFORCEMENT							
T = 4"	WWR 4x4-W2.9xW2.9 OR #3@12" EACH WAY	NONE							
4" < T <= 6"	WWR 4x4-W4xW4 OR #4@18" EACH WAY	NONE							
6" < T <= 8"	WWR 4x4-W6xW6 OR #4@12" EACH WAY	NONE							
8" < T <= 12"	#4@18" EACH WAY	#4@18" EACH WAY							
12" < T <= 16"	#4@12" EACH WAY	#4@12" EACH WAY							

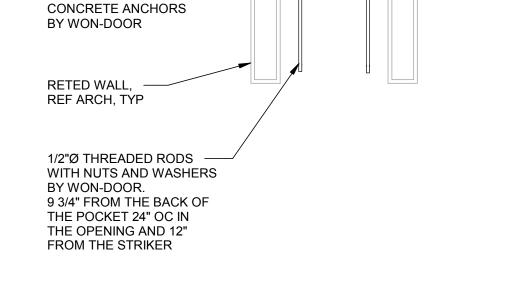
AND 1-#4x4'-0" DIAGONAL

AT RE-ENTRANT CORNERS

CORNERS

- REFER TO ARCHITECTURAL, STRUCTURAL OR MEP DRAWINGS FOR HOUSEKEEPING PAD PLAN DIMENSIONS AND THICKNESS (4" MINIMUM THICKNESS).
- CONTRACTOR SHALL COORDINATE DIMENSIONS AND OTHER SPECIAL REQUIREMENTS WITH EQUIPMENT MANUFACTURERS AND PROVIDE WHERE REQUIRED WHETHER SHOWN ON
- STRUCTURAL DRAWINGS OR NOT. 3. MAKE SURE TO LOCATE DOWELS WITHIN THE VALLEYS OF THE DECK.

HOUSEKEEPING PAD OVER COMPOSITE DECK NO SCALE



UNISTRUT ATTACHED TO CONCRETE WITH HILTI

WON DOOR SECTION FOR MOUNTING TO COMPOSITE DECK

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3rd Floor **INPATIENT REHAB UNIT**

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FRAMING DETAILS

SHEET

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SECTION

MECHANICAL ABBREVIATIONS

MEC	CHANICAL SYMBOLS							
o ⊢	PIPE UP							
e+→ Œ	PIPE DOWN							
□	PIPE CAP							
	90° ELBOW							
HeeH €ICCI3	RISE OR DROP IN ELEVATION							
	TEE OR BRANCH CONNECTION							
}—CHS—	CHILLED WATER SUPPLY							
├ —CHR—- ∤	CHILLED WATER RETURN							
—cws—	CONDENSER WATER SUPPLY							
├ ──CWR──	CONDENSER WATER RETURN							
├ ──HWS──	HEATING WATER SUPPLY							
}—HWR—	HEATING WATER RETURN							
├ ──□	CONDENSATE DRAIN LINE							
⊣ō⊢	BALL VALVE							
⊢	BUTTERFLY VALVE							
⊬₩→	GLOBE VALVE							
₩ →	2 WAY CONTROL VALVE							
<u> </u>	3 WAY CONTROL VALVE							
$ \qquad \qquad \longleftarrow^{\boxtimes} \longrightarrow$	2 WAY SOLENOID VALVE							
— <mark>⊠</mark> —	3 WAY SOLENOID VALVE							
₩	PLUG VALVE							
<u> </u>	PRESSURE REDUCING VALVE							
├├	CHECK VALVE							
⊢⊠ →	LOCK SHIELD VALVE							
<u></u> <u></u>	SAFETY VALVE							
∑	ANGLE VALVE							
, , , , , , , , , , , , , , , , , , , 	STRAINER							
	STRAINER W/ BLOWDOWN							
\ \ \ \ \	PETE'S PLUG							
├────	FLEXIBLE CONNECTION							
\ 	UNION							
├──	COMPANION FLANGE							
	THERMOMETER							
<u> </u>	PRESSURE GAUGE W/ GAUGE COCK							
NOTES: NOT ALL SYMBOLS MAY BI	E USED.							

	MEC	CHANICAL SYMBOLS							
	100	SUPPLY GRILLE WITH AIR QUANTITY							
		RETURN/EXHAUST GRILLE WITH AIR QUANTITY							
	100	LIGHT TROFFER WITH AIR QUANTITY							
(<u></u>	THERMOSTAT							
) H	HUMIDISTAT							
	<u> </u>	MAGNEHELIC PRESSURE GAUGE.							
	E37	MANUAL VOLUME DAMPER							
 ₩	LEED M	MOTORIZED VOLUME DAMPER							
$\stackrel{\sim}{\stackrel{\sim}{igoplus}}$ BDD	BDD	BACKDRAFT DAMPER							
$\overset{\sim}{\bigotimes}$ FD	FD	FIRE DAMPER							
⊗ SD	SD SD	SMOKE DAMPER							
₩ FSD	FSD FSD	COMBINATION FIRE/SMOKE DAMPER							
	S _D	DUCT MOUNTED SMOKE DETECTOR							
		FLEXIBLE DUCT CONNECTION							
₽		RISE IN DUCT ELEVATION							
ا لم		DROP IN DUCT ELEVATION							
\		SINGLE AND DOUBLE LINE DUCT WORK							
36	5×24	RECTANGULAR DUCT WORK							
3	66ø	ROUND DUCT WORK							
36:	×24ø	FLAT OVAL DUCT WORK							
		RADIUS ELBOW MITERED ELBOW WITH TURNING VANES							
1		BRANCH CONNECTION TO MAIN							
TO BELC		DUCT CROSS OVER							
R = RISE	D = DROP	ELEVATION CHANGE							
<u>A 100</u> ↓ W×D	→ MVD → A 100 WxD	SIDEWALL REGISTER							
0x12 ← 50x12	18x12 MVD 16x14 SPLIT	30x12 18x12 16x12 16x14 20x12 SPLIT MAIN BRANCH DUCT SPLIT							
0x12 — 18: 8x12 — MVD (8x12 — WVD (8x12 — WVD (8"ø 18	30x12 18x12 SUB-BRANCH TAP AND TEE							
├─○		TRANSITIONS							
<u> </u>		DUCT WITH INTERNAL LINER							
		SUPPLY DUCT UP, DOWN							
		RETURN/EXHAUST DUCT UP, DOWN							
NOTES: NOT ALL SY	MBOLS MAY BE	E USED.							

MECHANICAL GENERAL NOTES

- ALL EQUIPMENT, MATERIALS AND INSTALLATION METHODS AS OUTLINED IN THE EXISTING SPECIFICATIONS SHALL APPLY TO THIS PROJECT UNLESS OTHERWISE NOTED ON THESE
- STANDARD DETAILS ILLUSTRATED ON THE DRAWINGS SHALL BE APPLIED IN ALL CASES WHERE THE FEATURE OCCURS IN THE SYSTEM DESIGN.
- PRIOR TO THE SUBMISSION OF BID, THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING BUILDING CONDITIONS, UTILITY CONNECTIONS, AND PERTINENT BUILDING SERVICES.
- COORDINATE ALL PENETRATIONS OF BUILDING STRUCTURE PRIOR TO CORING OF SLAB, CUTTING OF WALLS, ETC.
- DRAWINGS ARE SCHEMATIC IN NATURE AND SHALL NOT BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL DUCTWORK AND PIPING WITH OTHER TRADES AND PROVIDING OFFSETS IN DUCTWORK AND PIPING AS REQUIRED. ALL DUCTWORK SHALL BE ROUTED AS CLOSE TO STRUCTURE AS POSSIBLE WITH MAIN TRUNK DUCTS ABOVE BRANCH DUCTS TO CEILING AIR DEVICES.
- ALL DUCTWORK SIZES SHOWN ARE CLEAR INSIDE DIMENSION IN INCHES. SUPPLY, RETURN AND EXHAUST DUCTWORK IS EXTERNALLY INSULATED UNLESS OTHERWISE INDICATED. CONTRACTOR IS REQUIRED TO COORDINATE ACTUAL DUCT ROUTING AND SIZING AS NECESSARY FOR MAINTAINING REQUIRED CLEARANCES IN COORDINATION WITH OTHER TRADES. RESIZING OF DUCT, IF NECESSARY, SHALL BE BASED ON EQUAL FRICTION METHOD.
- MAJOR EQUIPMENT SHOWN ON THE PLANS AND ELEVATIONS ILLUSTRATE THE GENERAL ARRANGEMENT AND SPACE ALLOCATIONS. THE CONTRACTOR SHALL VERIFY THE SPACE REQUIREMENTS FOR EACH SYSTEM COMPONENT USING MANUFACTURER CERTIFIED SHOP DRAWINGS AND MAKE THE NECESSARY ADJUSTMENTS IN EQUIPMENT PLACEMENT AND CONNECTION IN ORDER TO ACCOMMODATE THE EXACT EQUIPMENT INSTALLED.
- COORDINATE MECHANICAL EQUIPMENT ABOVE CEILING WITH LIGHT FIXTURES, ELECTRICAL EQUIPMENT, AND PIPING TO CODE REQUIRED CLEARANCE AND MAINTAIN CLEARANCE FOR
- PROVIDE SMOKE DETECTORS AS INDICATED ON THE MECHANICAL PLANS AND AS REQUIRED BY NFPA 90A AND LOCAL CODES.
- O. REFER TO THE ARCHITECTURAL PLANS FOR LOCATIONS OF ALL FIRE AND SMOKE RATED WALLS. PROVIDE DAMPERS IN ALL PENETRATIONS THROUGH RATED WALLS TO MATCH THE REQUIREMENTS OF THE RATED WALL. ALL FIRE, SMOKE, AND COMBINATION FIRE/SMOKE DAMPERS SHALL BE U.L. RATED.
- REFER TO ARCHITECTURAL CEILING PLANS FOR CEILING TYPES AND EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES. COORDINATE AIR DEVICE MOUNTING FRAMES WITH CEILING
- 2. CEILING SUPPLY AIR DIFFUSERS ARE FOUR WAY THROW UNLESS NOTED ON THE DRAWINGS WITH FLOW ARROWS. REFER TO AIR DEVICE SCHEDULE FOR ADDITIONAL
- 3. SIZE RIGID ROUND AND FLEX DUCT RUN-OUTS TO DIFFUSERS IN ACCORDANCE WITH THE AIR DEVICE RUNOUT SCHEDULE.
- 14. REFER TO ARCHITECTURAL INTERIOR ELEVATION DRAWINGS FOR EXACT LOCATION OF ALL WALL MOUNTED DEVICES WHERE THE ARCHITECT HAS INDICATED ITEMS.
- 15. THE MECHANICAL CONTRACTOR SHALL FURNISH ACCESS DOORS FOR INSTALLATION BY THE GENERAL CONTRACTOR IN WALLS AND CEILINGS WHERE ACCESS IS REQUIRED FOR CONCEALED VALVES, ADJUSTABLE EQUIPMENT, DAMPERS, AND CONTROL DEVICES.
- 6. THE CONTRACTOR SHALL COORDINATE WORK AFFECTING OCCUPIED AREAS OUTSIDE OF THE SCOPE OF WORK AREA WITH THE OWNER. EXISTING UTILITIES PASSING THROUGH THE SCOPE OF WORK AREA ARE TO REMAIN IN SERVICE THROUGHOUT THE PROJECT. RELOCATION AND INTERRUPTION OF EXISTING SERVICES ARE TO BE CLOSELY COORDINATED WITH THE BUILDING OWNER TO MEET THE REQUIREMENTS OF THE HOSPITAL AND BUILDING SCHEDULE. THE CONTRACTOR'S BID SHALL INCLUDE COST FOR OVERTIME WORK AS REQUIRED TO ACCOMMODATE THE OWNER'S OPERATING SCHEDULE.

TEMPORARY AHU NOTES

DURING RENOVATION OF AHU-2, TEMPORARY AIR SHALL BE PROVIDED FOR THE AREAS OUTSIDE OF THE SCOPE OF WORK FROM A TEMPORARY AIR HANDLING UNIT. REFER TO SHEET M6.01 AND THE SPECIFICATIONS FOR THE LOCATION AND SPECS FOR THE UNIT.

DRAWING INDEX NUMBER DRAWING TITLE INFORMATION SHEET - MECHANICAL SCHEDULES - MECHANICAL DEMOLITION PLAN — MECHANICAL DEMOLITION PIPING PLAN - MECHANICAL FLOOR PLAN - MECHANICAL PIPING PLAN - MECHANICAL ENLARGED PLAN — MECHANICAL DETAILS - MECHANICAL DETAILS - MECHANICAL TEMPORARY AHU PLAN - MECHANICAL

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INFORMATION SHEET -**MECHANICAL**

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	CHILLED WATER AIR HANDLING UNIT SCHEDULE																												
		GENERAL				Ç	SUPPLY FAN					RETURN FA	V		PRE FILTER			FINAL FILTER		CHILLED WATER COOLING COIL						ELECTRICAL	-	GENERAL	
UNIT T	AG AREA	MANUFACTURER	MODEL	SA (CFM)	-	EXTERNAL STATIC (IN.WG.)	QUANTITY HI	TYPE	E STARTER	RETURN / EXHAUST AIRFLOW (CFM)	EXTERNAL STATIC (IN.WG.)	QUANTITY	HP (EA)	E START	TER TYPE	DIRTY FILTER LOSS (IN.WG.)	S TYPE	DIRTY FILTER LOSS (IN.WG.)	SENSIBLE (BTUH)	TOTAL EAT DB EAT WI	B LAT DB LAT WE	OAT DB (°F) W	DAT MAX B (°F) ROWS	MAX FPI EWT	T (°F) LWT FL'	OW SIZE (IN)	: V/PH/HZ	WEIGHT (LBS.)	REMARKS
AHU-	2 WEST PATIENT ROOMS	JCI	SOLUTION XT	26,000	7,500	3.2	2 3	DIREC DRIV PLENU	E VFD	18,500	2.5	2	10 DIRE	CT VFD	MERV 1	1 0.75	MERV 14	1.50	832,195	1,313,420 79.5 66.7	50 49.5	98	79 8	10 4:	2 58 1	64 4	460/3/60	10,400	SEE ALL

NOTES:

. UNIT SHALL BE MOUNTED ON 6" BASE RAIL.

PROVIDE WITH A SEPARATE VFD FOR EACH FAN MOTOR. MOTOR SHALL BE CONTROLLED FROM REMOTE DUCT MOUNTED PRESSURE SENSOR.

3. TOTAL STATIC PRESSURE OF UNIT SHALL INCLUDE FILTER LOSSES AS SCHEDULED.

PROVIDE UV LIGHTS DOWNSTREAM OF THE COOLING COIL.
PROVIDE MARINE LIGHTS IN EACH SECTION OF UNIT.

PROVIDE FILTER GAUGES ACROSS THE PRE AND FINAL FILTERS.

PROVIDE EACH FAN SECTION WITH MANUAL BLANK OFF PLATE TO ISOLATE FAN SECTION FROM THE REST OF THE SYSTEM.

ACCESS DOORS SHALL BE PROVIDED IN EACH SECTION OF UNIT AND SHALL OPEN AGAINST PRESSURE.

9. INTEGRATE ALL NEW CONTROL POINTS INTO EXISTING BUILDING AUTOMATION SYSTEM.

10. PROVIDE SEPARATE ELECTRICAL CONNECTION FOR UV LIGHTS AND MARINE LIGHTS.

11. PROVIDE SINGLE POINT CONNECTION FOR EACH FAN MOTOR.

12. PROVIDE (2) DISCONNECTS. (1) FOR THE SUPPLY FANS, AND (1) FOR THE RETURN FANS.

	AIR DEVICE SCHEDULE													
	AIR DEVICE	<u>E_TAG:</u> 100]→── CFM 100 — SUI 100R — RI 100E — EX	PPLY ETURN	ARCHITI	STYLE SHALL MATCH CEILING TYPE. REFER TO ECTURAL PLANS. TO AIR DEVICE CONNECTION SCHEDULE FOR NECK AND DUCT T SIZE.									
	DEVICE TAG	MANUFACTURER	MODEL	FACE SIZE	DESCRIPTION									
	A	TITUS	OMNI	24/24 OR 12/12	SUPPLY, HIGH PERFORMANCE PLAQUE FACE DIFFUSER, 360° PATTERN, ALUMINUM CONSTRUCTION, NECK SIZE PER SCHEDULE, WHITE FINISH.									
B TITUS PAR				24/24 OR 12/12	RETURN OR EXHAUST, PERFORATED FACE CONSTRUCTED OF ALUMINUM, HINGED FACE FOR EASY CLEANING, STEEL CONSTRUCTION BACK PANEL AND FRAME, NECK SIZE PER SCHEDULE, WHITE FINISH.									

AIR DEVI	CE CONI	NECTIO	SCHEDULE								
THIS SCHEDULE APPLIES TO SUPPLY, RETURN, AND EXHAUST GRILLES, REGISTERS, AND DIFFUSERS.											
AIR	DEVICE	BRAI	NCH DUCT SIZE								
QUANTITY (CFM)	NECK SIZE	ROUND DUCT	ALTERNATE RECTANGULAR DUCT								
0-100	6"ø	6"ø	8X4								
101-210	8"ø	8 " ø	10X6								
211-380	10"ø	10"ø	10X8								
381-600	12 " ø	12 " ø	12X10								
601-900	14"ø	14"ø	16X10								
901-1300	16"ø	16"ø	18X12								

							TE	<u>ERMINA</u>	<u>AL UNI</u>	<u>T SCHI</u>	EDULE -	<u> </u>	WA	TER	REHE	EAT					
	AHU						S.P. AT	MAX. P.D.		DUCT RUN	ЮИТ ТО ВОХ				HOT W	ATER HEAT	TING COIL	,		ELECTRICAL	
UNITTAG	SYSTEM NUMBER	MANUFACTURER	MODEL	BOX TYPE	MAX CFM	MIN CFM	INLET (IN) W.G.	THRU BOX (IN) W.G.	BOX INLET SIZE (IN)	ROUND	ALTERNATE RECTANGLE	EAT (°F)	LAT (°F)	BTUH	EWT	LWT	GPM	BRANCH PIPE SIZE	FRICTION LOSS (FT. OF HEAD / 100 FT.)	POWER VOL/PH/HZ	REMARKS
TU-2-1	AHU-2	TITUS	DESV	VAV	350	210	1.0	.2	6	8	-	55	95	9,072	130	110	0.9	1/2	0-5.0	120/1/60	1,2,3,4
TU-2-2	AHU-2	TITUS	DESV	VAV	350	210	1.0	.2	6	8	-	55	95	9,072	130	110	0.9	1/2	0-5.0	120/1/60	1,2,3,4
TU-2-3	AHU-2	TITUS	DESV	VAV	500	300	1.0	.2	8	10	-	55	95	12,960	130	110	1.3	3/4	1.5-5.0	120/1/60	1,2,3,4
TU-2-4	AHU-2	TITUS	DESV	VAV	350	210	1.0	.2	6	8	-	55	95	9,072	130	110	0.9	1/2	0-5.0	120/1/60	1,2,3,4
TU-2-5	AHU-2	TITUS	DESV	VAV	500	300	1.0	.2	8	10	-	55	95	12,960	130	110	1.3	3/4	1.5-5.0	120/1/60	1,2,3,4
TU-2-6	AHU-2	TITUS	DESV	VAV	350	210	1.0	.2	6	8	-	55	95	9,072	130	110	0.9	1/2	0-5.0	120/1/60	1,2,3,4
TU-2-7	AHU-2	TITUS	DESV	VAV	525	320	1.0	.2	8	10	-	55	95	13,824	130	110	1.4	3/4	1.5-5.0	120/1/60	1,2,3,4
TU-2-8	AHU-2	TITUS	DESV	VAV	1175	710	1.0	.5	10	12	16x8	55	95	30,672	130	110	3.1	3/4	1.5-5.0	120/1/60	1,2,3,4
TU-2-9	AHU-2	TITUS	DESV	VAV	360	220	1.0	.2	6	8	-	55	95	9,504	130	110	0.9	1/2	0-5.0	120/1/60	1,2,3,4
TU-2-10	AHU-2	TITUS	DESV	VAV	300	180	1.0	.2	6	8	-	55	95	7,776	130	110	0.8	1/2	0-5.0	120/1/60	1,2,3,4
TU-2-11	AHU-2	TITUS	DESV	VAV	300	180	1.0	.2	6	8	-	55	95	7,776	130	110	0.8	1/2	0-5.0	120/1/60	1,2,3,4
TU-2-12	AHU-2	TITUS	DESV	VAV	300	180	1.0	.2	6	8	-	55	95	7,776	130	110	0.8	1/2	0-5.0	120/1/60	1,2,3,4
TU-2-13	AHU-2	TITUS	DESV	VAV	300	180	1.0	.2	6	8	-	55	95	7,776	130	110	0.8	1/2	0-5.0	120/1/60	1,2,3,4
TU-2-14	AHU-2	TITUS	DESV	VAV	300	180	1.0	.2	6	8	-	55	95	7,776	130	110	0.8	1/2	0-5.0	120/1/60	1,2,3,4
TU-2-15	AHU-2	TITUS	DESV	VAV	300	180	1.0	.2	6	8	-	55	95	7,776	130	110	0.8	1/2	0-5.0	120/1/60	1,2,3,4
									•												
TU-6-1	AHU-6	TITUS	DESV	VAV	800	480	1.0	.35	10	12	16x8	55	95	20,736	130	110	2.1	3/4	1.5-5.0	120/1/60	1,2,3,4,5
TU-6-2	AHU-6	TITUS	DESV	VAV	1700	1020	1.0	.5	12	14	22x8	55	95	44,064	130	110	4.4	1	1.6-5.0	120/1/60	1,2,3,4,5
TU-6-3	AHU-6	TITUS	DESV	VAV	600	360	1.0	.2	8	10	-	55	95	15,552	130	110	1.6	3/4	1.5-5.0	120/1/60	1,2,3,4,5
TU-6-4	AHU-6	TITUS	DESV	VAV	400	240	1.0	.2	6	8	-	55	95	10,368	130	110	1.0	3/4	1.5-5.0	120/1/60	1,2,3,4,5

1. CONTROLS SHALL BE MOUNTED BY MANUFACTURER.

2. PROVIDE CONTROL VOLTAGE TRANSFORMER.

3. PROVIDE HOT WATER REHEAT COIL WITH MODULATING 2-WAY CONTROL VALVE UNLESS NOTED OTHERWISE ON PLANS.

4. THE CONTRACTOR IS REQUIRED TO RENAME THE TUTAGS TO MATCH THE EXISTING FACILITY NAMING CONVENTION. THIS INCLUDES THE BAS PROGRAM AND THE PHYSICAL BOX TAGS.
5. ADD TERMINAL UNIT TO EXISTING AHU GRAPHICS ON THE BAS.

3. ADD TERMINAL UNIT TO EXISTING AND GRAPHICS ON THE BAS.

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3rd Floor INPATIENT REHAB UNIT

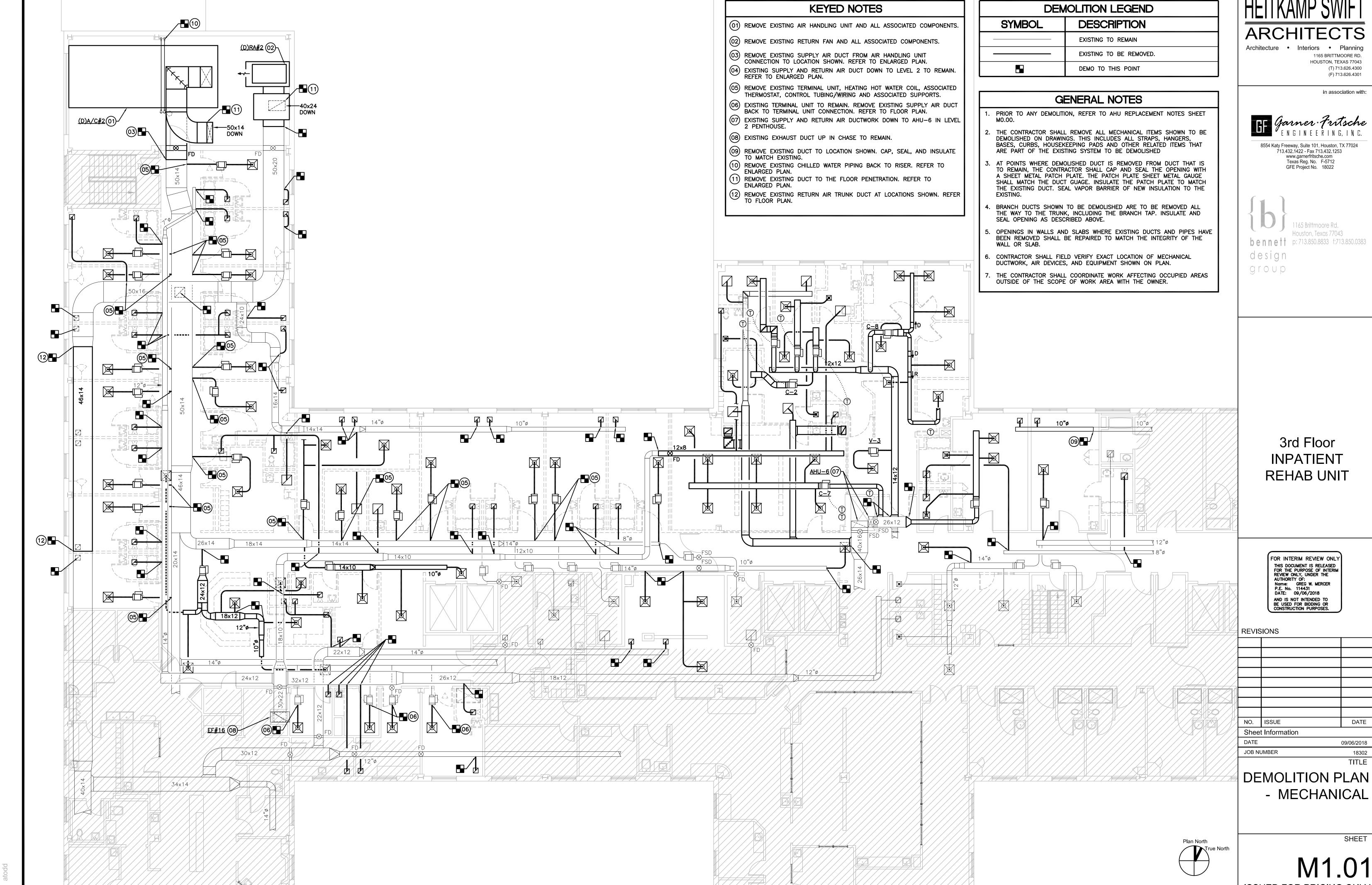
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SCHEDULES -MECHANICAL

SHEE

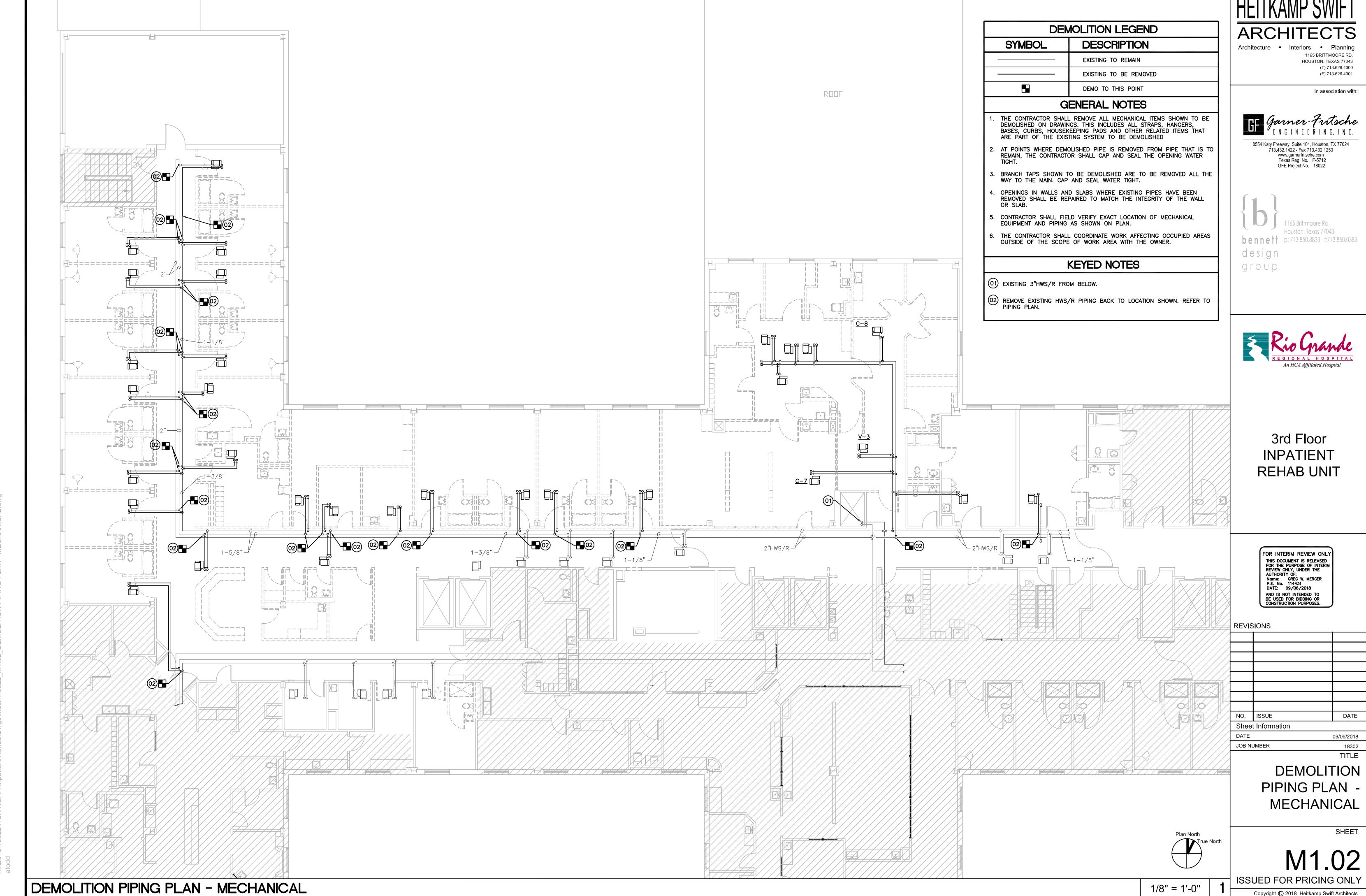
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DEMOLITION PLAN - MECHANICAL

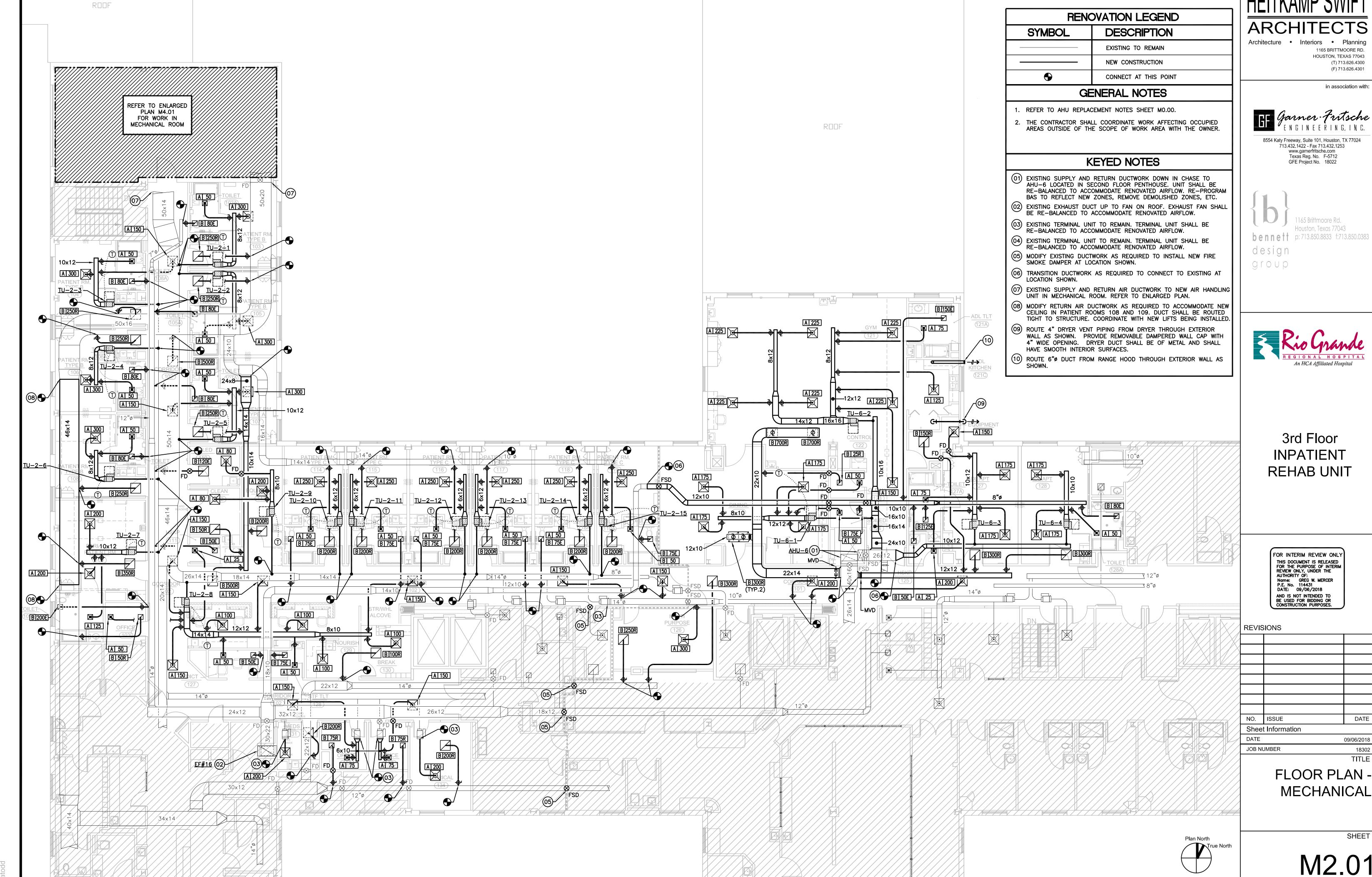
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1/8" = 1'-0"

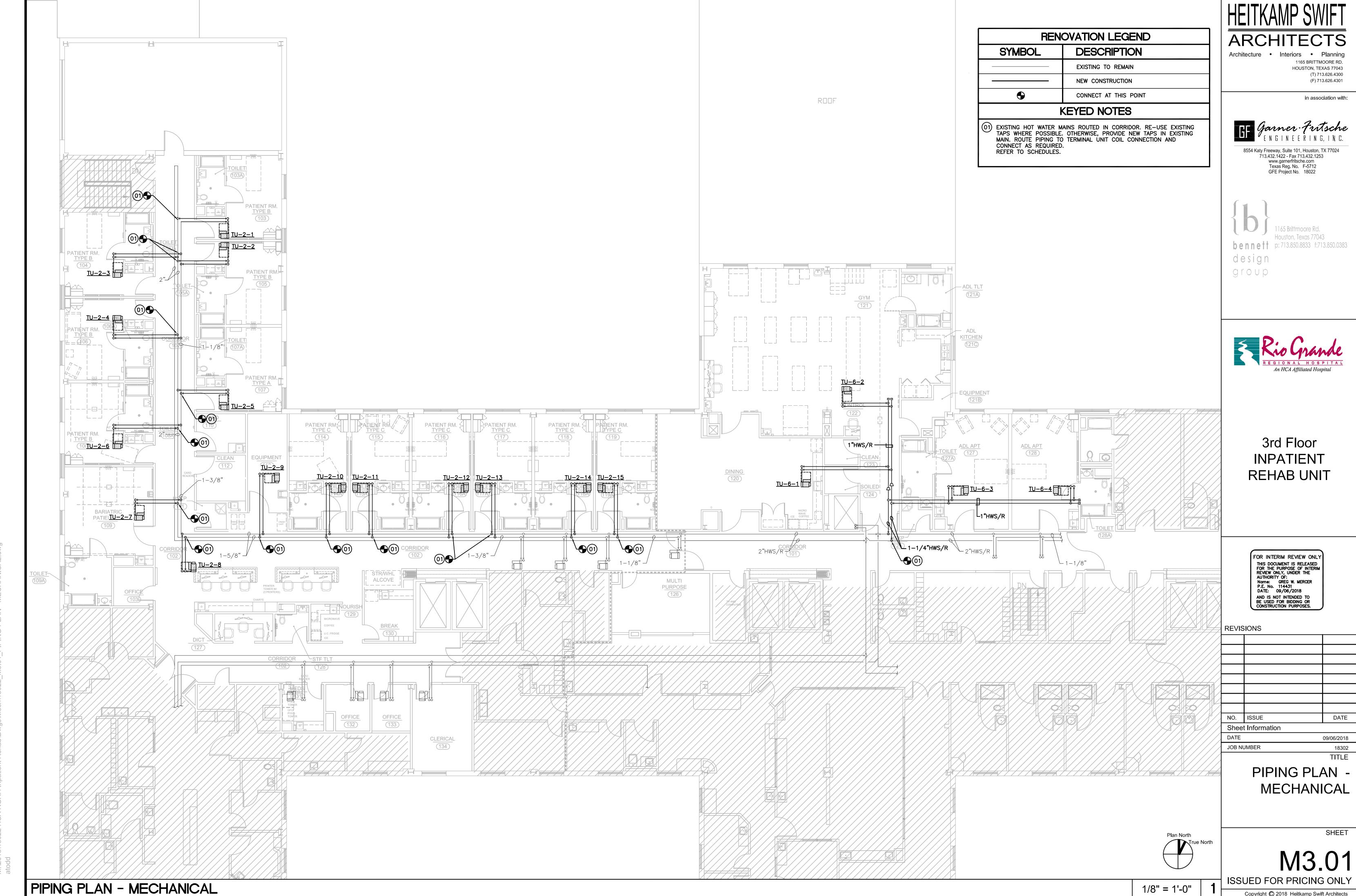
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FLOOR PLAN - MECHANICAL

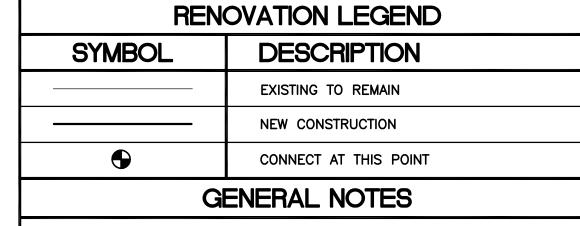
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1/8" = 1'-0"



SECTION A - MECHANICAL ROOM

1/4" = 1'-0" 2



1. REFER TO MO.OO FOR PROJECT GENERAL NOTES.

KEYED NOTES

- 01) NEW CHILLED WATER AIR HANDLING UNIT MOUNTED ON NEW HOUSEKEEPING PAD. REFER TO SCHEDULE AND DETAIL.
- ©2) PROVIDE NEW DDC CONTROL PANEL MOUNTED ON WALL AT LOCATION SHOWN.
- O3 PROVIDE NEW HOUSEKEEPING PAD. PAD SHALL BE 4-INCHES HIGH AND 4-INCHES LARGER THAN UNIT FOOTPRINT.
- 04) PROVIDE INSULATED SHEETMETAL BLANK-OFF PANEL, FULL SIZE OF EXISTING OUTSIDE AIR LOUVER. SEAL AIR AND WEATHER TIGHT. REFER TO SPECIFICATIONS FOR INSULATION REQUIREMENTS.
- 05) CONNECT TO OA LOUVER. SEAL AIR AND WATER TIGHT.
- 06) PROVIDE DUCT MOUNTED ACCESS DOOR FOR AFMS MAINTENANCE. PROVIDE WITH R-6 INSULATION. ACCESS DOOR SHALL BE FLEXMASTER TBSM SOG OR EQUAL. SIZE AS SHOWN ON PLANS.
- 07) CONNECT NEW 4" CHILLED WATER PIPING TO EXISTING RISER. COORDINATE ROUTING OF NEW PIPE WITH NEW RETURN AIR DUCT. ROUTE TO AHU CHILLED WATER COIL CONNECTION AND CONNECT AS REQUIRED.
- (08) CONNECT TO EXISTING DUCT AT FLOOR PENETRATION. SIZE AS SHOWN.
- 9 ROUTE NEW 2" CONDENSATE DRAIN FROM AIR HANDLING UNIT CONNECTION TO EXISTING FLOOR DRAIN. TURN DOWN AND TERMINATE ABOVE FLOOR
- 10 TRANSITION SUPPLY AND RETURN DUCTWORK AS REQUIRED TO CONNECT TO TOP OF AIR HANDLING UNIT.
- ROUTE CHILLED WATER PIPING TO COIL CONNECTION AND CONNECT AS REQUIRED. COORDINATE ROUTING OF PIPING AS TO NOT BLOCK ACCESS TO AIR HANDLING UNIT COMPONENTS ON TOP SECTION OF AIR HANDLER.
- (12) REFER TO FLOOR PLAN FOR CONTINUATION OF DUCTWORK.
- (13) PROVIDE NEW VARIABLE FREQUENCY DRIVE (VFD).

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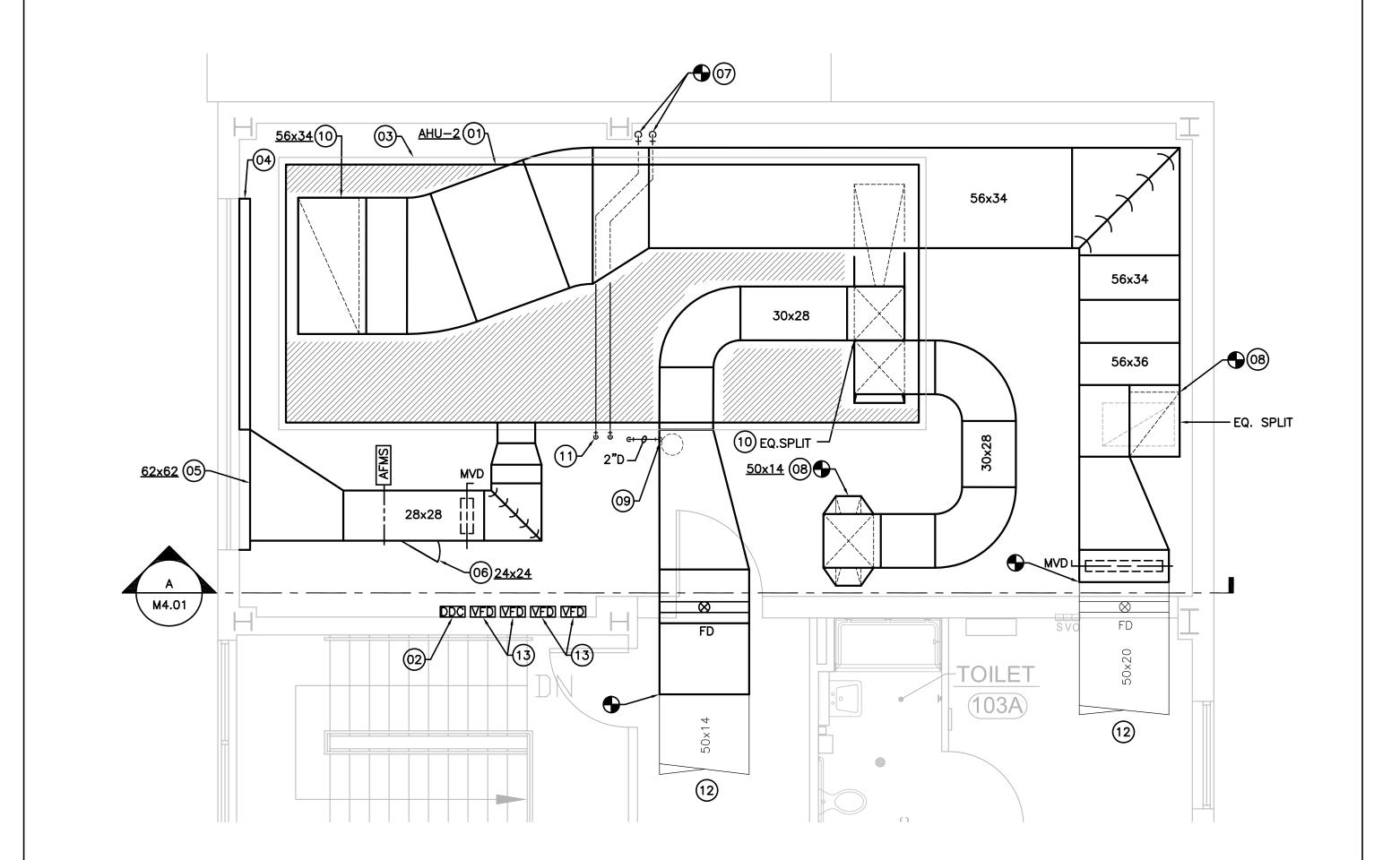
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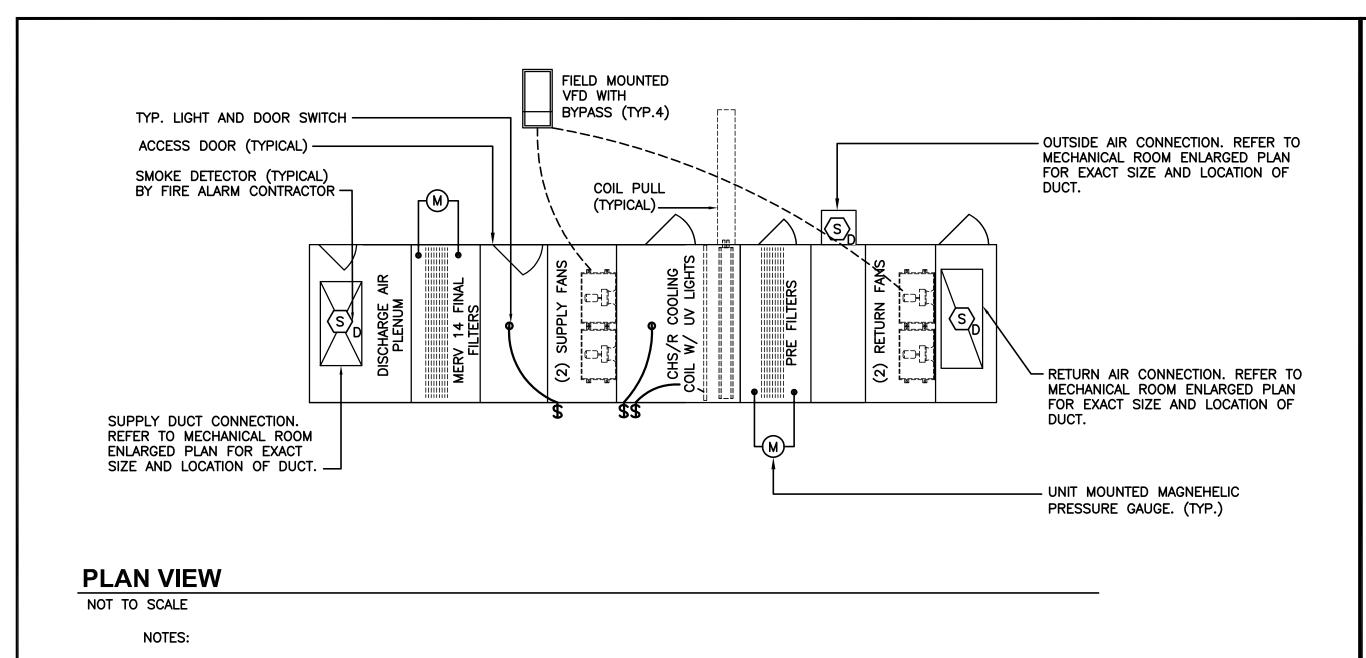
ENLARGED PLAN -**MECHANICAL**

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2. COIL CONNECTION SIDE LOCATIONS AND ACCESS DOOR SWING LOCATIONS SHALL BE COORDINATED WITH UNIT SPECIFIC LOCATION.

4. PROVIDE AN ACCESS DOOR W/ MARINE LIGHTS IN EACH SECTION OF THE AIR HANDLING UNIT. ACCESS DOORS SHALL OPEN AGAINST PRESSURE.

05)

NOT TO SCALE

1. THIS DETAIL SHOWS GENERAL ARRANGEMENT OF AIR HANDLING UNIT COMPONENTS.

3. REFER TO SCHEDULE FOR AIR HANDLING UNIT PERFORMANCE.

AIR HANDLING UNIT DETAIL

NOT TO SCALE

COIL CONNECTION TRANSITION (TYPICAL) -

PRESSURE INDEPENDENT MODULATING

TERMINAL UNIT BOX-

PIPE UNIONS (TYPICAL) -

PRESSURE/TEMPERATURE -

TEST PLUG (TYPICAL)

CONTROL VALVE

ISOLATION VALVE

COIL DRAIN VALVE -

HOSE CONNECTION WITH CAP

1.INSULATE ALL PIPING, VALVES, FITTINGS AND

2.INSTALL TEST PLUGS IN EASILY ACCESSIBLE LOCATIONS WITH

3. COILS SHALL BE PROVIDED AND INSTALLED SUCH THAT THE SUPPLY HOT WATER

CONNECTS AT BOTTOM CONNECTION AND AT THE LEAVING END OF THE COIL

TERMINAL UNIT HOT WATER COIL

DISCHARGE. COILS SHALL NOT BE ROTATED OR FLIPPED SUCH THAT THIS

CONNECTION (2-WAY CV)

ACCESSORIES. RE: SPECIFICATIONS

ARRANGEMENT IS COMPROMISED.

NOT TO SCALE

MINIMUM OF 12" CLEARANCE IN FRONT.

DANFOSS "AB-QM"

HOT WATER COIL -

MANUAL AIR VENT -

SPIN-IN FITTING - OPPOSED BLADE WITH MANUAL MANUAL VOLUME VOLUME DAMPER-DAMPER. RE: SPEC'S. -45 DEGREE ENTRY TAP TYP. ROUND TAKE-OFF-BRANCH TAP NOTE: VOLUME DAMPERS ARE NOT REQUIRED IN MEDIUM PRESSURE DUCTS UPSTREAM OF VAV BOXES. OPPOSED BLADE MANUAL **VOLUME DAMPER IN BRANCH** AND IN MAIN DUCT. RE: TRANSITION TO SUM OF BRANCH DUCT SIZES PRIOR TO SPLIT. -RADIUS ELBOW, OR MITERED ELBOW WITH DOUBLE THICKNESS TURNING VANES **SPLITTER** NOTE: VOLUME DAMPERS ARE NOT REQUIRED IN MEDIUM PRESSURE

DUCT BRANCH TAKE OFF

DUCTS UPSTREAM OF VAV BOXES.

SPECIFIED DUCT WITH LINER OR DUCTWRAP AS SPECIFIED. -SPIN-IN TAP WITH VOLUME DAMPER. PROVIDE ACCESS DOOR IF DAMPER IS LOCATED IN AN INACCESSIBLE LOCATION. INSULATED FLEX DUCT MAXIMUM LENGTH AS SPECIFIED. -PROVIDE 3" THICK, 1.5 LB/CF DENSITY **BLANKÉT INSULATION** W/ VAPOR BARRIER ON BACK OF GRILLE SEAL EDGES OF NYLON DRAWBAND, CLAMP VAPOR BARRIER TO INNER LINER TO GRILLE THE GRILLE. COLLAR. SEAL OUTER VAPOR BARRIER TO BACK OF GRILLE/DUCT WITH ALUMINUM FOIL TAPE ON -CEILING TYPE OUTER JACKET, CLOTH SPECIFIED BY TAPE NOT ACCEPTABLE. **ARCHITECT** - SCHEDULED AIR DEVICE. ACTUAL AIR DEVICE SCHEDULED MAY VARY FROM AIR DEVICE SHOWN. PAINT INTERIOR OF AIR DEVICE FLAT BLACK. NOTE: SUPPORT FLEX DUCT FROM STRUCTURE SO THAT IT DOES NOT KINK, SAG OR REST ON LIGHT FIXTURES, CEILING SUPPORT TEES OR TILE.

Houston, Texas 77043 **bennett** p: 713.850.8833 f:713.850.0383 design group

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jarner tritsche

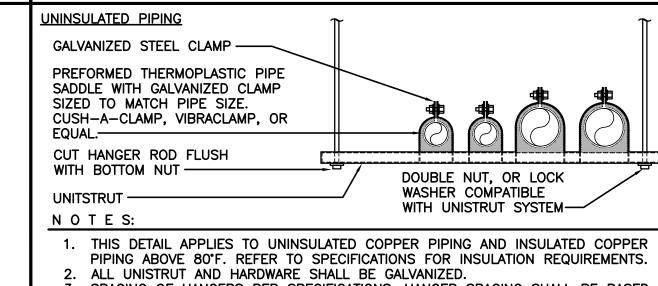
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713 432 1422 - Fax 713 432 1253

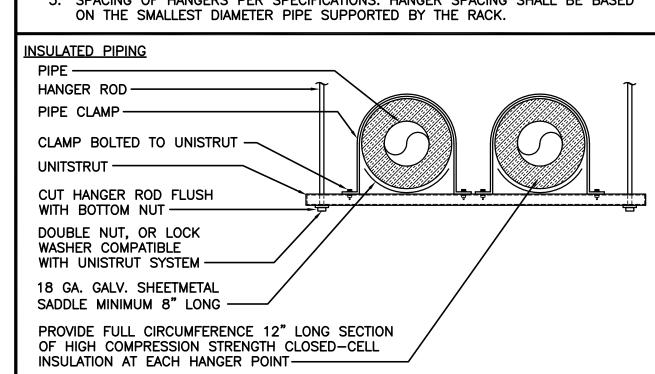
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AIR OUTLET/INLET CONNECTION



3. SPACING OF HANGERS PER SPECIFICATIONS. HANGER SPACING SHALL BE BASED



NOTES: 1. ALL UNISTRUT AND HARDWARE SHALL BE GALVANIZED. 2. SPACING OF HANGERS PER SPECIFICATIONS. HANGER SPACING SHALL BE BASED

SUSPENDED PIPE SUPPORT NOT TO SCALE

LOW PRESSURE DUCTWORK DOWNSTREAM OF TERMINAL UNIT AS SPECIFIED -TRANSITION AS REQUIRED -HOTWATER HEATING COIL (REFER TO TERMINAL UNIT BOX HOT

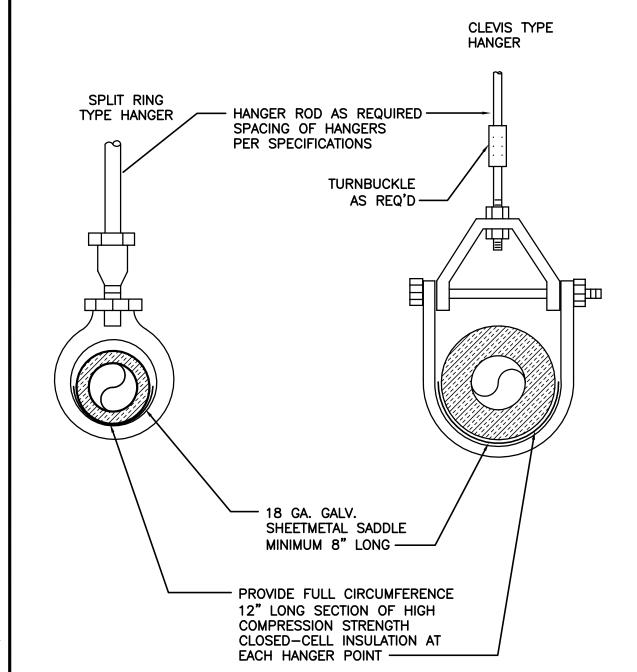
WATER HEATING COIL DETAIL) -______ TERMINAL UNIT BOX-BOTTOM ACCESS DOOR-EXTERNALLY INSULATE TERMINAL UNIT WITH 2", 3#/FT3 RIGID GLASS FIBER. REFER TO SPECIFICATIONS FOR DUCTWORK WITH SUPPLY AIR BELOW FACTORY MOUNTED CONTROLS 30" CLEARANCE MIN. TRANSITION AS REQUIRED — HIGH PRESSURE FLEXIBLE DUCT MAXIMUM 4'-0" LENGTH -MEDIUM PRESSURE DUCT BRANCH-MEDIUM PRESSURE DUCT-

1. SUPPORT FLEX DUCT FROM STRUCTURE AS SPECIFIED, DUCT SHALL NOT KINK, SAG OR REST ON LIGHT FIXTURES, CEILING SUPPORT TEES OR TILE. 2. SUPPORT BOX WITH DUCT STRAPS AT ALL FOUR CORNERS.

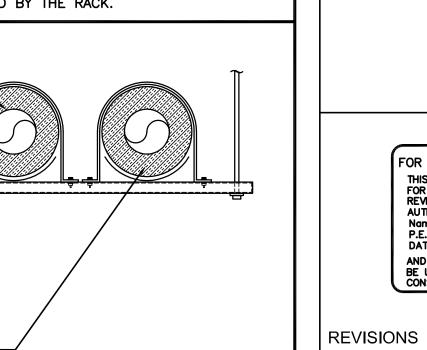
AIR FLOW TRUNK DUCT

3. CONFIGURATION SHOWN IS A SCHEMATIC AND DOES NOT REPRESENT THE SPECIFIC UNIT. 4. PROVIDE SUFFICIENT CLEARANCE TO ACCESS CONTROL BOX. 5. PROVIDE RECOMMENDED STRAIGHT DUCT WORK BEFORE TERMINAL UNIT SENSOR INLET.

> TERMINAL UNIT BOX (HW. COIL) NOT TO SCALE



SINGLE PIPE HANGER



ON THE SMALLEST DIAMETER PIPE SUPPORTED BY THE RACK.

NO. ISSUE **Sheet Information** DATE 09/06/2018 TITLE

> **DETAILS MECHANICAL**

> > SHEET

DATE

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DETAILS - MECHANICAL

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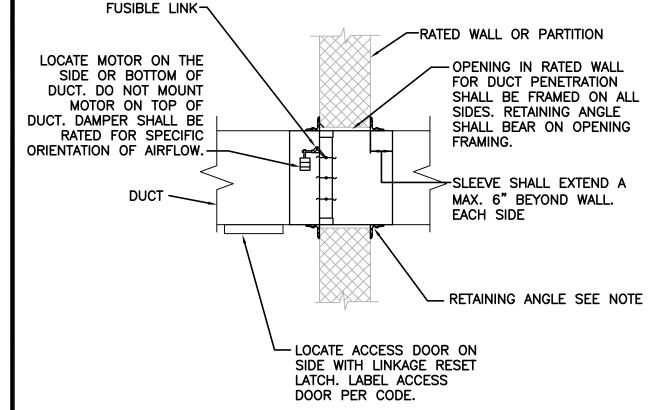
NO SCALE

NOTES:

NOT TO SCALE

- PROVIDE U.L. LISTED DAMPER, SLEEVE & OPERATOR ASSEMBLY IN ACCORDANCE WITH U.L. 555S. REFER TO SPECIFICATIONS FOR DAMPER TYPE.
- 2. INSTALL DAMPER AND SLEEVE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS NOT TO VOID U.L. LISTING.
- 3. EXTEND SLEEVE BEYOND WALL A MAX. 6 INCHES. OPERATOR SHALL BE FACTORY MOUNTED TO SLEEVE.
- 4. PROVIDE EXPANSION SPACE PER MANUFACTURER'S INSTRUCTION, BUT NOT LESS THAN 1/8" PER LINEAR FOOT.
- 5. PROVIDE MINIMUM 1 1/2" x 1 1/2" x 1/8" RETAINING ANGLE ON TOP, BOTTOM & SIDES. ATTACH ANGLES TO SLEEVE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. ANGLES SHALL OVERLAP WALL A MINIMUM OF ONE INCH.

DUCT FIRE DAMPER INSTALLATION 04



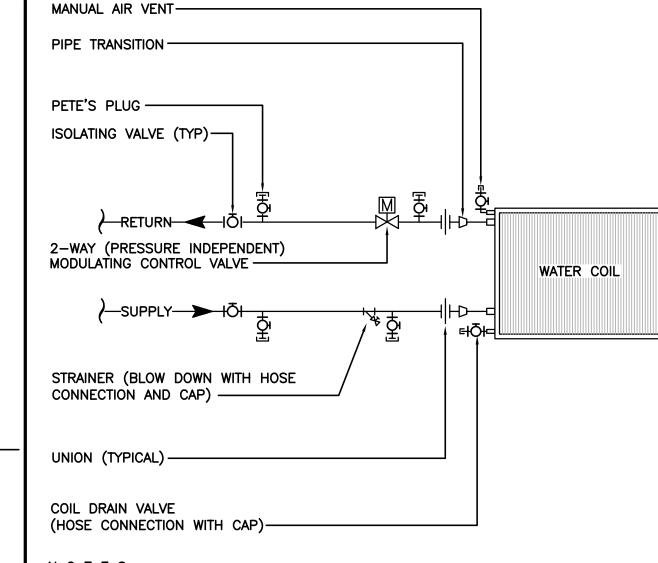
UL LISTED

- PROVIDE U.L. LISTED DAMPER, SLEEVE & OPERATOR ASSEMBLY IN ACCORDANCE WITH U.L. 555S. REFER TO SPECIFICATIONS FOR DAMPER TYPE.
- · INSTALL DAMPER AND SLEEVE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS NOT TO VOID U.L. LISTING.
- . EXTEND SLEEVE BEYOND WALL A MAX. 6 INCHES. OPERATOR SHALL BE FACTORY MOUNTED TO SLEEVE.
- PROVIDE EXPANSION SPACE PER MANUFACTURER'S INSTRUCTION, BUT NOT LESS THAN 1/8" PER LINEAR FOOT.

DAMPER INSTALLATION

5. PROVIDE MINIMUM 1 $1/2" \times 1 1/2" \times 1/8"$ RETAINING ANGLE ON TOP, BOTTOM & SIDES. ATTACH ANGLES TO SLEEVE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. ANGLES SHALL OVERLAP WALL A MINIMUM OF ONE INCH.

COMBINATION FIRE + SMOKE



NOTES:

SPECIFICATIONS).

- INSULATE ALL PIPING, VALVES, FITTINGS AND ACCESSORIES (REFER TO
- 2. ISOLATING VALVES SHALL BE BALL VALVES (THROUGH 2") AND BUTTERFLY VALVES (2 1/2" & LARGER). . INSTALL TEST PLUGS IN EASILY ACCESSIBLE LOCATIONS WITH MINIMUM OF 12"
- CLEARANCE IN FRONT. . WATER SHALL ENTER COIL ON AIR ENTERING SIDE. OFFSET PIPING TO ALLOW FOR COIL PULL WITHOUT DISMANTLING.



COIL PIPE CONNECTION DETAIL

(ROCK WOOL INSULATION).

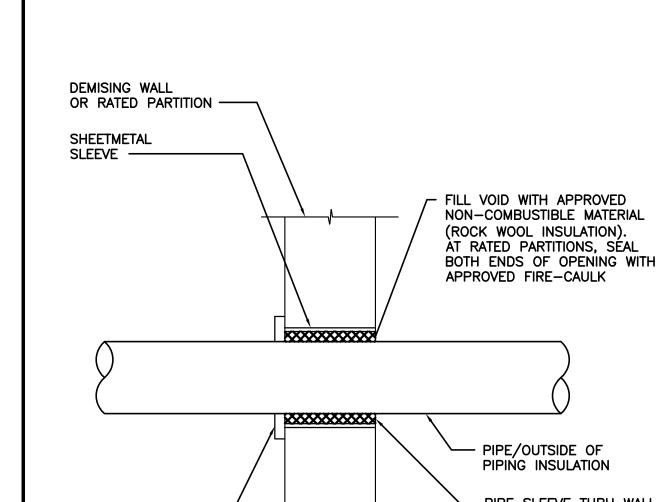
APPROVED FIRE-CAULK

AT RATED PARTITIONS, SÉAL

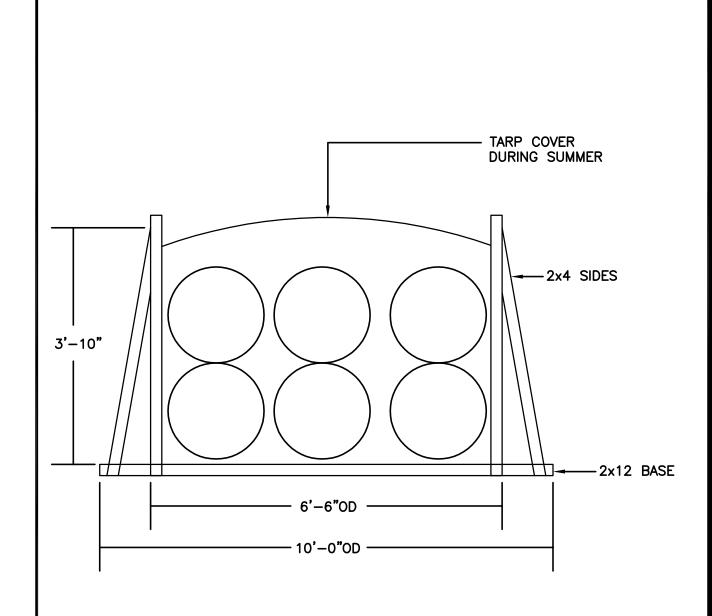
PIPE/OUTSIDE OF

PIPING INSULATION

- PIPE SLEEVE THRU WALL.



PIPING AT INTERIOR WALL



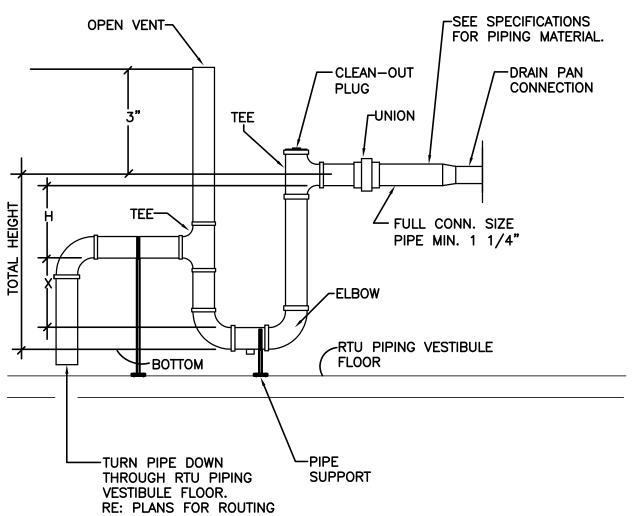
1. TEMPORARY DUCT SUPPORT SPACING = 4'-0" O.C.

(05) TEMPORARY ROOF DUCT SUPPORT

ELEVATE A/C UNIT SUFFICIENT DISTANCE ABOVE ROOF TO ALLOW FOR INSTALLATION OF TRAP WITH ADEQUATE DIMENSIONS TO WITHSTAND SYSTEM OPERATING PRESSURE. COORDINATE WITH DETAIL FOR A UNIT MOUNTING.

NOT TO SCALE

NOTE



TOTAL HEIGHT OF TRAP= X+H+ (1 1/2 x PIPE DIAMETER) FOR DRAW THRU UNITS X= FAN STATIC PRESSURE +1"

X = MIN. 1/2 H (PREFERRED X=H)H= NEGATIVE STATIC PRESSURE +1" CONDENSATE DRAIN PIPING

NOT TO SCALE

- PROVIDE ESCUTCHEON PLATE ON PIPES EXPOSED WITHIN ROOMS.

SHEET

DETAILS

MECHANICAL

DATE

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09/06/2018

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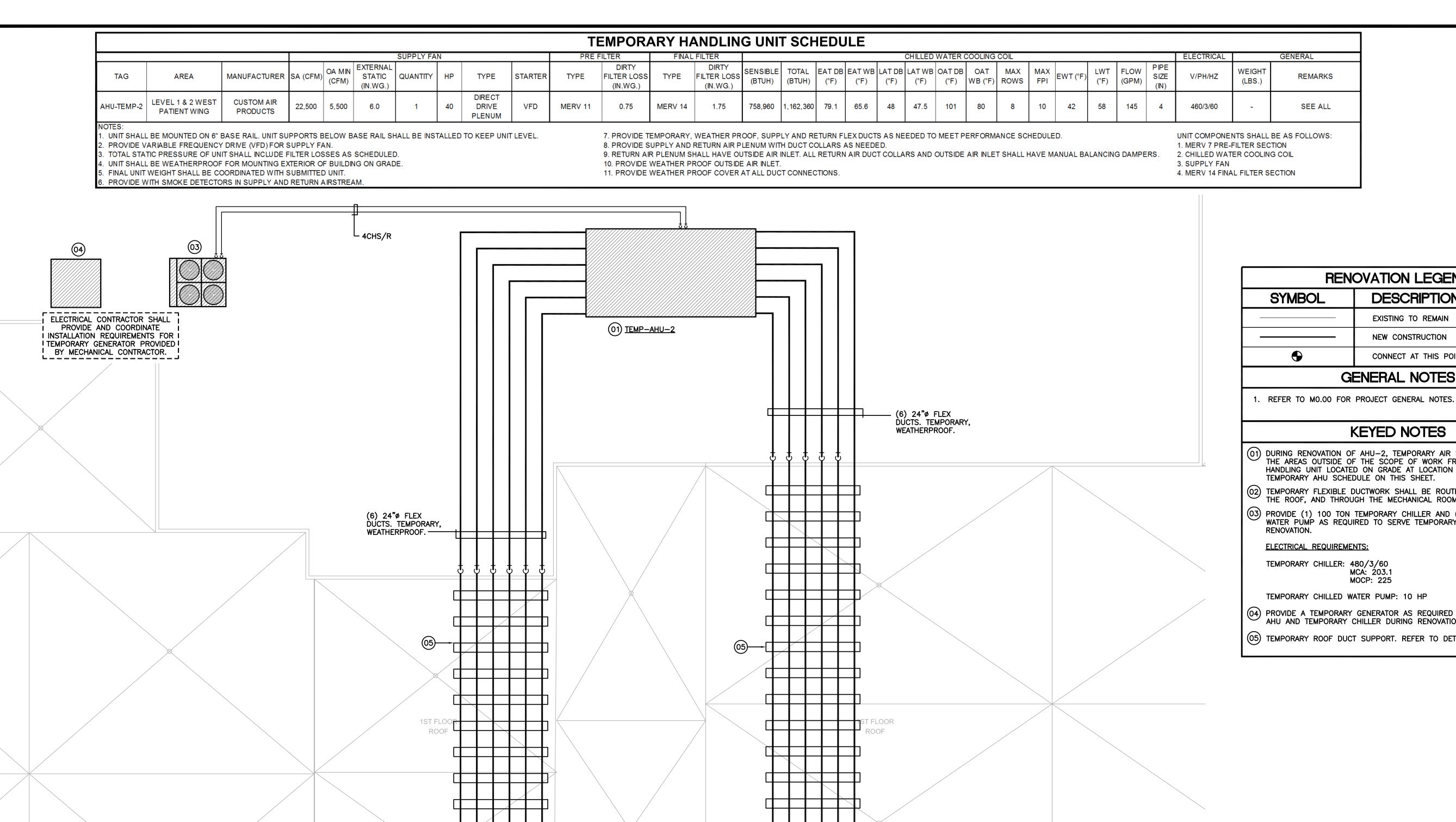
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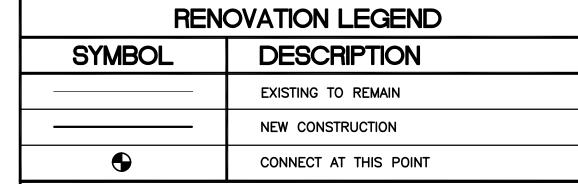
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RETURN 02



1. REFER TO MO.OO FOR PROJECT GENERAL NOTES.

KEYED NOTES

- 01) DURING RENOVATION OF AHU-2, TEMPORARY AIR SHALL BE PROVIDED FOR THE AREAS OUTSIDE OF THE SCOPE OF WORK FROM A TEMPORARY AIR HANDLING UNIT LOCATED ON GRADE AT LOCATION SHOWN. REFER TO TEMPORARY AHU SCHEDULE ON THIS SHEET.
- (02) TEMPORARY FLEXIBLE DUCTWORK SHALL BE ROUTED UP THE BUILDING, ON THE ROOF, AND THROUGH THE MECHANICAL ROOM WALL AS SHOWN.
- PROVIDE (1) 100 TON TEMPORARY CHILLER AND (1) TEMPORARY CHILLED WATER PUMP AS REQUIRED TO SERVE TEMPORARY AHU DURING

TEMPORARY CHILLER: 480/3/60 MCA: 203.1 MOCP: 225

- PROVIDE A TEMPORARY GENERATOR AS REQUIRED TO SERVE TEMPORARY AHU AND TEMPORARY CHILLER DURING RENOVATION.
- (05) TEMPORARY ROOF DUCT SUPPORT. REFER TO DETAILS (TYP).

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3rd Floor **INPATIENT REHAB UNIT**

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09/06/2018 **TEMPORARY AHU**

PLAN -**MECHANICAL**

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TEMPORARY AHU PLAN - MECHANICAL 1/8" = 1'-0"

				LIGHT	FIX1	TURE	SCHEDULE
MARK	MANUFACTURER	MOUNTING		LAMPS	VOLTS	WATTS	DESCRIPTION
1417 (1 (1 (SERIES NUMBER		NO.	TYPE	70210	107.1110	BESONII HON
Α	LITHONIA LIGHTING SERIES # 2ALL	RECESSED	_	6000 LUMEN 3500°K LED	120V/ 277V	47W	2' x 4' ARCHITECTURAL TROFFER WITH A LUMINOUS DIFFUSER COMBINED WITH CONCAVE REFRACTOR, HINGED DOORFRAME, ELECTRONIC 0-10V DIMMING DRIVER.
В	LITHONIA LIGHTING SERIES # 2ALL	RECESSED	_	7200 LUMEN 3500°K LED	120V/ 277V	68W	2' x 4' ARCHITECTURAL TROFFER WITH A LUMINOUS DIFFUSER COMBINED WITH CONCAVE REFRACTOR, HINGED DOORFRAME, ELECTRONIC 0-10V DIMMING DRIVER.
С	LITHONIA LIGHTING SERIES # 2ALL	RECESSED	_	4000 LUMEN 3500°K LED	120V/ 277V	35W	2' x 2' ARCHITECTURAL TROFFER WITH A LUMINOUS DIFFUSER COMBINED WITH CONCAVE REFRACTOR, HINGED DOORFRAME, ELECTRONIC 0-10V DIMMING DRIVER.
D	GOTHAM LIGHTING SERIES # EVO	RECESSED	-	2500 LUMEN 3500°K LED	120V/ 277V	30W	6" NOMINAL OPEN DOWNLIGHT, CLEAR TRIM, SELF-FLANGED, SEMI-SPECULAR FINISH, MEDIUM WIDE (1.0 S/MH) DISTRIBUTION, ELECTRONIC 0-10V DIMMING DRIVER.
E	HEALTHCARE LTG SERIES # HNL610	WALL MOUNTED	-	3000°K LED	120V/ 277V	2W	RECESSED PATIENT ROOM NIGHT LIGHT WITH LOUVER FACEPLATE, FLAT WHITE FINISH, ELECTRONIC DRIVER.
F	GOTHAM LIGHTING SERIES # EVO-DFRAMF	RECESSED	_	2000 LUMEN 3500°K LED	120V/ 277V	24W	6" NOMINAL NON-CONDUCTIVE LENSED DOWNLIGHT WITH REGRESSED DOOR FRAME, ANTI-MICROBIAL FINISH, ELECTRONIC 0-10V DIMMING DRIVER, IP65 RATED.
G	LUMIDESIGN, AMBER	WALL MOUNTED	-	3000°K LED 90 CRI	120V	24W	LIGHTED MIRROR. 22"x40"x1.75", SANDBLASTED MIRROR FINISH. 12-14 WEEK LEAD TIME.
Н	Y LIGHTING SERIES #LINK TALL	WALL MOUNTED	-	3000°K LED	120V	9W	13.5" TALL x 8" WIDE x 4" DEEP WALL SCONCE WITH POLISHED CHROME FINISH, GLASS SHADE, ELECTRONIC DIMMING DRIVER.
1	NOT USED						
J	Y LIGHTING SERIES #CORONA	PENDANT	_	3000°K LED	120V	8W	6" DIAMETER × 2" TALL SATIN ALUMINUM MINI PENDANT WITH ACRYLIC SHADE, ELECTRONIC DIMMING DRIVER.
К	HEALTHCARE LIGHTING SERIES # HPT624	RECESSED	_	7100 LUMEN 3500°K LED	120V/ 277V	105W	2' x 4' MULTI-FUNCTION PATIENT TROFFER WITH AMBIENT AND EXAM FUNCTIONS, PERFORATED ACRYLIC INSERT, HIGH EXAM MODE, LOW VOLTAGE CONTROLLER INTERFACED WITH PILLOW SPEAKER TO CONTROL AMBIENT LIGHT, 0-10V DIMMING, MATTE WHITE FINISH.
UC	JUNO LIGHTING SERIES # UPS	UNDER CABINET	_	3000°K LED	120V	12.5W	30" LONG x 3.5" DEEP x 1" TALL UNDER-CABINET LUMINAIRE WITH SOLID FRONT, POLY CARBONATE DIFFUSER, WHITE FINISH, ELECTRONIC DRIVER. PROVIDE WITH ALL REQUIRED JUMPER CORDS, CONNECTORS, MOUNTING HARDWARE, ETC.
×	LITHONIA LIGHTING SERIES # LRP	CEILING, BACK OR END MOUNT	-	LED	120V/ 277V	3W	EDGE-LIT EXIT SIGN WITH BRUSHED ALUMINUM HOUSING, AC ONLY. PROVIDE RED ON CLEAR FOR SINGLE FACE, OR RED ON MIRROR FOR DOUBLE FACE. PROVIDE MOUNTING, NUMBER OF FACES AND DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS.

LIGHT FIXTURE SCHEDULE GENERAL NOTES

REFER TO PLANS

1. REFER TO THE GENERAL NOTES ON THE INFORMATION SHEET AND LIGHTING PLAN FOR ADDITIONAL INFORMATION.

2. COMPLETE LIGHTING FIXTURE MANUFACTURER PART NUMBERS ARE NOT SHOWN BUT SHALL BE OBTAINED FROM THE COMBINATION OF THE SERIES NUMBER, NUMBER OF LAMPS, TYPE OF LAMPS, VOLTAGE, AND DESCRIPTION. THE COMPLETE PART NUMBER FOR EACH LIGHT FIXTURE SHALL INCORPORATE THE REQUIREMENTS SHOWN ON THE LIGHT FIXTURE SCHEDULE, DRAWINGS, AND CONTRACT DOCUMENTS.

BALLAST/DRIVER 3. REFER TO SPECIFICATIONS FOR BALLAST/DRIVER REQUIREMENTS.

4. LAMP COLOR TEMPERATURE SHALL BE 3500K UNLESS INDICATED OTHERWISE IN OWNER GUIDELINES; CONFIRM EXACT COLOR TEMPERATURE OF LAMPS WITH OWNER PRIOR TO PURCHASING, MINIMUM CRI SHALL BE 85.

FIXTURE MOUNTING HARDWARE & FINISH 5. CONFIRM ALL CEILING TYPES, FINISHES, MOUNTING HARDWARE REQUIRED, AND PROJECT CONDITIONS PRIOR TO ORDERING NEW LIGHTING FIXTURES, LAMPS, AND BALLAST. PROVIDE FIXTURES WITH FLANGED MOUNTING KITS WHERE REQUIRED.

6. MANUFACTURERS OTHER THAN THOSE LISTED IN THE DRAWINGS ARE ACCEPTABLE; REFER TO THE SPECIFICATIONS IF APPLICABLE. SHOULD THE CONTRACTOR SELECT A DIFFERENT MANUFACTURER THAN THOSE LISTED OR SPECIFIED, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM THAT ALL FIXTURES AND REQUIRED ACCESSORIES ARE EQUIVALENT AND SUITABLE FOR PROJECT CONDITIONS (CEILING TYPES, ENVIRONMENT, SPACE LIMITATIONS, LIGHT DISTRIBUTION, ETC.) THE OWNER MUST ALSO GIVE APPROVAL OF PROPOSED MANUFACTURER(S).

SUBMITTALS

7. SUBMISSION OF VENDOR/SHOP DRAWINGS FOR APPROVAL SHALL BE CONSTRUED THAT ALL CONTRACT DOCUMENT LIGHTING REQUIREMENTS HAVE BEEN INCLUDED AND THAT THE CONTRACTOR HAS VERIFIED EVERY LIGHTING FIXTURE VOLTAGE, QUANTITY OF BALLASTS, QUANTITY OF LAMPS. LAMP COLOR TEMPERATURE. AND MOUNTING WITH THE BUILDING CONDITIONS.

NOTICE TO CONTRACTORS:

HCA MAINTAINS PURCHASING AGREEMENTS FOR ACUITY BRANDS LIGHTING PRODUCTS. CONTRACTORS SHALL CONTACT HCA'S PREFERRED DISTRIBUTOR TO OBTAIN ALTERNATIVE COMPETITIVE PRICING.

GRAYBAR ELECTRIC CO., INC. ATTN. JESS HOOVER PHONE: 239-494-2088 EMAIL: HCA@GRAYBAR.COM

VENDOR REFERENCE: #947581

	ABBREVIATIONS
Α	AMPERES
AC	ABOVE COUNTER
ACCH	AIR COOLED CHILLER
ACCU	AIR COOLED CONDENSING UNIT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU ASC	AIR HANDLING UNIT ABOVE SUSPENDED CEILING
ASC	AUTOMATIC TRANSFER SWITCH
В	BOILER
BC	BELOW COUNTER
BSB	BUILDING SWITCHBOARD
С	CONDUIT
СВ	CIRCUIT BREAKER
CEB	CONCRETE EQUIPMENT BASE
CLG	CEILING
CT	COOLING TOWER
CUH	CABINET UNIT HEATER
(D)	EXISTING TO BE REMOVED
(E)	EXISTING TO REMAIN
E.C.	ELECTRICAL CONTRACTOR
ECB	ENCLOSED CIRCUIT BREAKER
EM	EMERGENCY
EWC	ELECTRIC WATER COOLER
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FCU	FAN COIL UNIT
FLA	FULL LOAD AMPERES
FUR	FURNACE
G	ISOLATED GROUND
G.C.	GENERAL CONTRACTOR
GFI	GROUND FAULT CIRCUIT INTERRUPTER
G	GROUND
GUH	GAS UNIT HEATER
HP	HORSEPOWER
HPU	HEAT PUMP UNIT
JB	JUNCTION BOX
KVA	KILO-VOLT AMPERES
KW	KILOWATT
LTS	LIGHTS
M.C.	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPACITY
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MOD	MOTOR OPERATED DAMPER
MTC	EMPTY CONDUIT
(N)	NEW
NF	NON-FUSED
NL	NIGHT LIGHT
OH	OVERHEAD
P	PUMP
PC	PHOTO CELL
PH,ø	PHASE
PNL	PANEL
PP	POWER POLE
PRI	PRIMARY
(R)	EXISTING TO BE RELOCATED
RECEP	RECEPTACLE(S)
REFR	REFRIGERATOR
RTU	ROOFTOP UNIT
S/N	SOLID NEUTRAL
SEC	SECONDARY
TC	TIME CLOCK
TR	TAMPER-RESISTANT
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
UG	UNDERGROUND
UH	UNIT HEATER
USB	RECEPTACLE WITH USB (RE: SPECIFICATIONS)
V	VOLTS
VAV	VAV AIR TERMINAL
W	WIRE
WH	WATER HEATER
WM	WIRE MOLD
WR	WEATHER-RESISTANT
YEMR	TRANSFORMER

XFMR

TRANSFORMER

NOTE: NOT ALL ABBREVIATIONS MAY BE USED.

SYMBOL | DESCRIPTION HOMERUN. 2#12, 1#12G, 1/2"C UNLESS OTHERWISE NOTED. EXISTING PANELBOARD. □ IP# ISOLATION PANEL. REFER TO PLANS AND SPECIFICATIONS. RECESSED RECTILINEAR LIGHT FIXTURE. UPPER CASE LETTER INDICATES TYPE, REFER TO LIGHT FIXTURE SCHEDULE. LOWER CASE LETTER(S) INDICATES SWITCH LEG(S). SUSPENDED/SURFACE MOUNTED RECTILINEAR LIGHT FIXTURE. UPPER CASE LETTER INDICATES TYPE, REFER TO LIGHT FIXTURE SCHEDULE LOWER CASE LETTER(S) INDICATES SWITCH LEG(S). RECESSED ROUND LIGHT FIXTURE. UPPER CASE LETTER INDICATES TYPE, REFER TO LIGHT FIXTURE SCHEDULE. LOWER CASE LETTER(S) INDICATES SWITCH LEG(S). SUSPENDED/SURFACE MOUNTED ROUND LIGHT FIXTURE. UPPER CASE LETTER INDICATES TYPE, REFER TO LIGHT FIXTURE SCHEDULE. LOWER CASE LETTER(S) INDICATES SWITCH LEG(S). WALL MOUNTED LIGHT FIXTURE. UPPER CASE LETTER INDICATES TYPE, REFER TO LIGHT FIXTURE SCHEDULE. LOWER CASE LETTER(S) INDICATES SWITCH LEG(S). SINGLE CROSS HATCHING ON ANY LIGHT FIXTURE INDICATES LIGHT FIXTURE IS ON A CRITICAL POWER CIRCUIT. CRISS-CROSS HATCHING ON ANY LIGHT FIXTURE INDICATES LIGHT FIXTURE IS ON A LIFE SAFETY POWER CIRCUIT. ANY LIGHT FIXTURE WITH A DOT INDICATES LIGHT FIXTURE HAS AN INTERNAL BATTERY BACKUP SYSTEM. CEILING MOUNTED EXIT LIGHT. FIXTURE TYPE X, REFER TO LIGHT FIXTURE SCHEDULE. WALL MOUNTED EXIT LIGHT. FIXTURE TYPE X, REFER TO LIGHT FIXTURE SCHEDULE. SINGLE POLE SWITCH, 20A-120/277V. 48"AFF TO CENTERLINE. LOWER CASE LETTER INDICATES SWITCH LEG. 3-WAY SWITCH, 20A-120/277V. 48"AFF TO CENTERLINE. LOWER CASE LETTER INDICATES SWITCH LEG. 4-WAY SWITCH, 20A-120/277V. 48"AFF TO CENTERLINE. LOWER CASE LETTER INDICATES SWITCH LEG. 0-10V DIMMER. LUTRON NOVA OR EQUIVALENT. PROVIDE WITH POWER PACK FOR ON/OFF CAPABILITY IF DIMMING LED LOADS. SINGLE BUTTON DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR, 120/277V. 48"AFF TO CENTERLINE. LOWER CASE LETTER INDICATES SWITCH LEG. WATTSTOPPER #DW-100. TWO BUTTON DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR. 120/277V. 48"AFF TO CENTERLINE. LOWER CASE LETTERS INDICATE \$os2 SWITCH LEGS. WATTSTOPPER #DW-200. MULTI-WAY SINGLE BUTTON DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR, 120/277V. 48"AFF TO CENTERLINE. LOWER CASE LETTER INDICATES SWITCH LEG. WATTSTOPPER #DW-103. CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, 120/277V. LOWER CASE LETTER INDICATES SWITCH LEG. WATTSTOPPER #DT-355. PHOTOCELL FOR DUSK TO DAWN CONTROL. INTERMATIC #K4321C(120V) OR #K4023C(277V). FAILSAFE "ON". ON/OFF/0-10V DIMMING PIR WALL SWITCH OCCUPANCY SENSOR, MULTI-LOCATION CAPABLE. 48"AFF TO CENTERLINE. LOWER CASE LETTER INDICATES SWITCH LEG. LUTRON MAESTRO #MS-Z101. DUPLEX RECEPTACLE, 20A-125V, NEMA 5-20R. 18"AFF TO CENTERLINE, UNLESS OTHERWISE NOTED. TWO DUPLEX RECEPTACLES IN 2-GANG BOX WITH SINGLE COVER PLATE, 20A-125V, NEMA 5-20R. 18"AFF TO CENTERLINE, UNLESS OTHERWISE NOTED. SPECIAL PURPOSE RECEPTACLE, AS NOTED. 18"AFF TO CENTERLINE, UNLESS OTHERWISE NOTED. FLUSH FLOOR MOUNTED DUPLEX RECEPTACLE. DUPLEX RECEPTACLE, 20A-125V, NEMA 5-20R, WITH "IN-USE" WEATHER-RESISTANT COVER. 24"AFG TO CENTERLINE, UNLESS OTHERWISE NOTED. GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE, 20A-125V, NEMA 5-20R. 18"AFF TO CENTERLINE, UNLESS OTHERWISE NOTED. EMERGENCY POWERED RED DUPLEX RECEPTACLE, 20A-125V, NEMA 5-20R. 18"AFF TO CENTERLINE, UNLESS OTHERWISE NOTED. TWO EMERGENCY POWERED RED DUPLEX RECEPTACLES IN 2-GANG BOX WITH SINGLE COVER PLATE, 20A-125V, NEMA 5-20R. 18"AFF TO CENTERLINE, UNLESS OTHERWISE NOTED. FOUR EMERGENCY POWERED RED DUPLEX RECEPTACLES IN 4-GANG **DATO** POWER GROUND MODULE BOX, 20A-125V, NEMA 5-20R. 42"AFF TO CENTERLINE, UNLESS OTHERWISE NOTED. SEE SPECIFICATIONS. MOTOR CONNECTION. MAKE FINAL MOTOR CONNECTION. | ELECTRICAL CONNECTION. MAKE FINAL CONNECTION. MANUAL MOTOR SWITCH. FRANKLIN CONTROLS SYSTEMS #BAS-1P. PROVIDE NEMA 3R ENCLOSURE WHERE INSTALLED OUTDOORS. DISCONNECT SWITCH, SIZE AND FUSING AS NOTED. "NF" INDICATES NON-FUSED. "WR" INDICATES WEATHER-RESISTANT. COMBINATION MOTOR STARTER AND DISCONNECT SWITCH, SIZE, TYPE AND FUSING AS NOTED. "NF" INDICATES NON-FUSED. "WR" INDICATES WEATHER-RESISTANT. MOTOR STARTER, SIZE AND TYPE AS NOTED. VARIABLE FREQUENCY DRIVE, AS NOTED. JUNCTION BOX. SIZE AS REQUIRED. PULL BOX. SIZE AS REQUIRED.

NOTE: NOT ALL SYMBOLS MAY BE USED.

SYMBOL LEGEND

GENERAL PROJECT NOTES

- ALL ELECTRICAL DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND START OF CONSTRUCTION TO DETERMINE THE EXISTING CONDITION OF THE ELECTRICAL SYSTEMS AND DEVICES. CONTRACTOR WILL BE RESPONSIBLE FOR REVIEWING ANY DOCUMENTATION WHICH REFLECT THE EXISTING CONDITIONS. COORDINATE ALL OUTLET/DEVICE LOCATION. CONNECTION TYPE, AND TERMINATION REQUIREMENTS WITH OTHER DISCIPLINES, ARCHITECTURAL PLANS AND EQUIPMENT INSTALLERS/MANUFACTURERS PRIOR TO ROUGH-IN.
- ALL WORK SHALL COMPLY WITH ALL PERTINENT NATIONAL, AMERICAN DISABILITIES ACT (ADA), TEXAS ACCESSIBILITY STANDARDS (TAS), STATE, LOCAL ORDINANCE CODES AND REQUIREMENTS.
- ALL EQUIPMENT, MATERIALS, AND INSTALLATION METHODS AS OUTLINED IN THE SPECIFICATIONS SHALL APPLY TO THIS PROJECT.

ELECTRICAL GENERAL NOTES ON ANY SHEET SHALL APPLY TO ALL OTHER

- ELECTRICAL SHEETS UNLESS INDICATED OTHERWISE.
- 5. STANDARD DETAILS ILLUSTRATED ON THE DRAWINGS SHALL BE APPLIED IN ALL CASES WHERE THE FEATURE OCCURS IN THE SYSTEM DESIGN.

SIZE SHALL BE 1/2" UNLESS INDICATED OTHERWISE.

OUTSIDE SHALL BE WEATHERPROOF, RAINPROOF, AND

RAINTIGHT/WATERTIGHT.

ALL OUTDOOR CONDUIT SHALL BE LISTED AND SUITABLE FOR THE ENVIRONMENT WHICH IT'S TO BE INSTALLED IN (NEC 300.6). IN ADDITION, NEW CONDUIT EXPOSED TO THE WEATHER SHALL BE LISTED AS SUNLIGHT RESISTANT, ALL CONDUIT COUPLING AND CONNECTORS EXPOSED TO THE

6. PROVIDE ALL NEW CONDUIT UNLESS NOTED OTHERWISE. MINIMUM CONDUIT

- PROVIDE ALL NEW CONDUCTORS UNLESS NOTED OTHERWISE. CONDUCTORS SHALL BE COPPER WITH INSULATION RATED NO LESS THAN 75 DEGREES CELSIUS. THHN/THWN UNLESS NOTED OTHERWISE. CONDUCTOR TERMINATIONS SHALL MATCH OR EXCEED THE RATING OF THE CONDUCTORS.
- 9. ALL WIRING AND CABLING SHALL BE INSTALLED IN CONDUIT UNLESS NOTED OTHERWISE.
- 10. THE MINIMUM WIRE SIZE FOR ALL NEW CONDUCTORS SHALL BE #12 AWG COPPER FOR ALL SHORT DISTANCE RUNS. ALL 120V AND 277 CIRCUIT CONDUCTORS EXCEEDING 50 FEET (100 FEET FOR 277V) IN LENGTH SHALL BE A MINIMUM OF #10 WIRE. THE LARGEST CONDUCTOR SIZE SHALL BE USED IF ANY DISCREPANCY BETWEEN THE CONSTRUCTION DOCUMENTS AND/OR BUILDING STANDARDS OCCUR.
- II. RAISE, OFFSET, LOWER, AND EXTEND EXISTING BRANCH CIRCUITS AS NEEDED.
- 12. JUNCTION BOXES MUST BE INDEPENDENTLY MOUNTED ON GALVANIZED STEEL CHANNELS AND PER NEC. FOR ALL JUNCTION BOXES THAT ARE PART OF THE SCOPE, PERMANENTLY MARK ON THE COVER PLATE THE ASSOCIATED CIRCUIT NUMBER AND VOLTAGE.
- 13. PROVIDE NEW THERMAL MAGNETIC CIRCUIT BREAKERS FOR ALL EQUIPMENT AND DEVICES UNLESS INDICATED OTHERWISE. THE NEW CIRCUIT BREAKER SHALL MATCH THE PANELBOARD'S MANUFACTURER, BREAKER TYPE (THERMAL MAGNETIC OR GREATER), A.I.C. RATING, AND SHALL BE FULLY RATED (NO SERIES RATING ALLOWED). PROVIDE HACR TYPE CIRCUIT BREAKERS FOR ALL HEATING, AIR CONDITIONING, AND REFRIGERATION EQUIPMENT. UPDATE THE PANELBOARD DIRECTORY AS REQUIRED.
- 14. IN THE EVENT ANY DISCREPANCIES OCCUR BETWEEN ARCHITECTURAL. MECHANICAL, PLUMBING, ELECTRICAL, AND OTHER DRAWINGS OR SPECIFICATIONS; CONTRACTOR IS TO INCORPORATE IN THE BID PRICE THE MOST STRINGENT OPTION. CONTRACTOR SHALL PROVIDE ALL NECESSARY ADDITIONAL ELECTRICAL COMPONENTS IF EQUIPMENT PURCHASED DIFFERS FROM WHAT IS SPECIFIED IN THE CONTRACT DOCUMENTS.

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3rd Floor INPATIENT **REHAB UNIT**

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REVISIONS

NO. ISSUE Sheet Information

> TITLE INFORMATION

SHEET -**ELECTRICAL**

SHEET

DATE

09/06/2018

ISSUED FOR PRICING ONL'

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DRAWING INDEX NUMBER DRAWING TITLE INFORMATION SHEET - ELECTRICAL E0.00 E0.01 PANEL SCHEDULES - ELECTRICAL PARTIAL DEMOLITION PLAN - ELECTRICAL - AREA 1 E1.01 E1.02 PARTIAL DEMOLITION PLAN - ELECTRICAL - AREA 2 E2.01 PARTIAL FLOOR PLAN - LIGHTING - AREA 1 E2.02 PARTIAL FLOOR PLAN - LIGHTING - AREA 2 E3.01 PARTIAL FLOOR PLAN - POWER - AREA 1 E3.02 PARTIAL FLOOR PLAN - POWER - AREA 2 E4.00 PARTIAL OVERALL 1ST FLOOR PLAN - EQUIPMENT POWER E4.01 PARTIAL FLOOR PLAN — EQUIPMENT POWER — AREA 1 PARTIAL FLOOR PLAN - EQUIPMENT POWER - AREA 2 PARTIAL FLOOR PLAN - SPECIAL SYSTEMS - AREA 1 PARTIAL FLOOR PLAN - SPECIAL SYSTEMS - AREA 2 E5.02

E6.01

MEP6.01

DETAILS - ELECTRICAL

TEMPORARY AHU PLAN - MECHANICAL, ELECTRICAL & PLUMBING

					SECTION 1					
NO.	DESCRIPTION	LOAD/VA	WIRE	BKR.	PHASE	BKR.	WIRE	LOAD/VA	DESCRIPTION	NC
1	TERMINAL UNIT CONTROLS	750	#12	20/1	Α	20/1	#12	480	AHU-2 LTS & RECP.	2
3	FIRE/SMOKE DAMPERS	600	#12	20/1	В	20/1	EXIST.	500	EXISTING LOAD	4
5	CARD READER DOORS	150	#12	20/1	С	20/1	EXIST.	500	EXISTING LOAD	6
7	EXISTING LOAD	500	EXIST.	20/1	Α	20/1	EXIST.	500	EXISTING LOAD	8
9	EXISTING LOAD	500	EXIST.	20/1	В	20/1	EXIST.	500	EXISTING LOAD	10
11	EXISTING LOAD	500	EXIST.	20/1	С	20/1	EXIST.	500	EXISTING LOAD	12
13	EXISTING LOAD	500	EXIST.	20/1	Α	20/1	EXIST.	500	EXISTING LOAD	14
15	EXISTING LOAD	500	EXIST.	20/1	В	20/1	EXIST.	500	EXISTING LOAD	16
17	EXISTING LOAD	500	EXIST.	20/1	С	20/1	EXIST.	500	EXISTING LOAD	18
19	EXISTING LOAD	500	EXIST.	20/1	Α	20/1	EXIST.	500	EXISTING LOAD	20
21	EXISTING LOAD	500	EXIST.	20/1	В	20/1	EXIST.	500	EXISTING LOAD	22
23	EXISTING LOAD	500	EXIST.	20/1	С	20/1	EXIST.	500	EXISTING LOAD	24
25	EXISTING LOAD	500	EXIST.	20/1	Α	20/1	EXIST.	500	EXISTING LOAD	26
27	EXISTING LOAD	500	EXIST.	20/1	В	30/1	EXIST.	1000	EXISTING LOAD	28
29	EXISTING LOAD	500	EXIST.	20/1	С				SPACE	30
				•				•		
			TOTAL—▶	CONNECT	ED LOAD	DEMAN	ID LOAD	PANEL NOTES]	
	DEMAND LOAD CALC.	PHASE A	PHASE B	PHASE C	KVA	AMPS	KVA	AMPS	SHADING INDICATES NEW	1

									I	
13	EXISTING LOAD	500	EXIST.	20/1	Α	20/1	EXIST.	500	EXISTING LOAD	14
15	EXISTING LOAD	500	EXIST.	20/1	В	20/1	EXIST.	500	EXISTING LOAD	1
17	EXISTING LOAD	500	EXIST.	20/1	С	20/1	EXIST.	500	EXISTING LOAD	1
19	EXISTING LOAD	500	EXIST.	20/1	Α	20/1	EXIST.	500	EXISTING LOAD	2
21	EXISTING LOAD	500	EXIST.	20/1	В	20/1	EXIST.	500	EXISTING LOAD	2
23	EXISTING LOAD	500	EXIST.	20/1	C	20/1	EXIST.	500	EXISTING LOAD	2
25	EXISTING LOAD	500	EXIST.	20/1	Α	20/1	EXIST.	500	EXISTING LOAD	2
27	EXISTING LOAD	500	EXIST.	20/1	В	30/1	EXIST.	1000	EXISTING LOAD	2
29	EXISTING LOAD	500	EXIST.	20/1	С				SPACE	3
23				TOTAL N	CONNECT	EDIOAD	DEMAN	DIOAD	DANEL NOTES	7
23				TOTAL	CONNECT		DEMAN	DIGAR	DANIEL NOTES	7
<u> </u>	DEMAND LOAD ON C	DIVOE A		TOTAL-		ED LOAD		D LOAD	PANEL NOTES]
<u> </u>	DEMAND LOAD CALC.		PHASE B	PHASE C	KVA	ED LOAD AMPS	KVA	AMPS	SHADING INDICATES NEW]
29	DEMAND LOAD CALC. LIGHTING X 125%	PHASE A							SHADING INDICATES NEW DESCRIPTION, LOAD, WIRE]
			PHASE B	PHASE C	KVA	AMPS	KVA	AMPS	SHADING INDICATES NEW	
	LIGHTING X 125%	0.5	PHASE B 0.5	PHASE C 0.5	KVA 1.5	AMPS 4.2	KVA 1.9	AMPS 5.2	SHADING INDICATES NEW DESCRIPTION, LOAD, WIRE	=
	LIGHTING X 125% RECEPTACLES @ 10KW+50%	0.5 4.0	0.5 3.5	0.5 3.0	KVA 1.5 10.5	AMPS 4.2 29.1	KVA 1.9 10.2	5.2 28.4	SHADING INDICATES NEW DESCRIPTION, LOAD, WIRE	=
	LIGHTING X 125% RECEPTACLES @ 10KW+50% EQUIPMENT @ 100%	0.5 4.0 0.8	0.5 3.5 1.6	0.5 3.0 0.7	KVA 1.5 10.5 3.0	AMPS 4.2 29.1 8.3	1.9 10.2 3.0	5.2 28.4 8.3	SHADING INDICATES NEW DESCRIPTION, LOAD, WIRE	
	LIGHTING X 125% RECEPTACLES @ 10KW+50% EQUIPMENT @ 100% HVAC COOLING @ 100%	0.5 4.0 0.8 0.0	0.5 3.5 1.6 0.0	9HASE C 0.5 3.0 0.7 0.0	KVA 1.5 10.5 3.0 0.0	AMPS 4.2 29.1 8.3 0.0	KVA 1.9 10.2 3.0 0.0	5.2 28.4 8.3 0.0	SHADING INDICATES NEW DESCRIPTION, LOAD, WIRE	
	LIGHTING X 125% RECEPTACLES @ 10KW+50% EQUIPMENT @ 100% HVAC COOLING @ 100% HVAC HEATING @ 100%	0.5 4.0 0.8 0.0 0.0	0.5 3.5 1.6 0.0	0.5 3.0 0.7 0.0 0.0	KVA 1.5 10.5 3.0 0.0	AMPS 4.2 29.1 8.3 0.0 0.0	KVA 1.9 10.2 3.0 0.0	5.2 28.4 8.3 0.0 0.0	SHADING INDICATES NEW DESCRIPTION, LOAD, WIRE	
	LIGHTING X 125% RECEPTACLES @ 10KW+50% EQUIPMENT @ 100% HVAC COOLING @ 100% HVAC HEATING @ 100% KITCHEN @ NEC 220.56	0.5 4.0 0.8 0.0 0.0	0.5 3.5 1.6 0.0 0.0	0.5 3.0 0.7 0.0 0.0 0.0	KVA 1.5 10.5 3.0 0.0 0.0	AMPS 4.2 29.1 8.3 0.0 0.0 0.0	KVA 1.9 10.2 3.0 0.0 0.0	5.2 28.4 8.3 0.0 0.0	SHADING INDICATES NEW DESCRIPTION, LOAD, WIRE	

VOL BUS MAIN	ANEL SCHEDULE: TS/PHASE: 208Y/120V, 3PH, 4W AMPS: 125A N SIZE/TYPE: 125A/MCB INTING: SURFACE	3EC				(CRITIC	CAL BR	RANCH)	(EXISTING
					SECTION 1				
NO.	DESCRIPTION	LOAD/VA	WIRE	BKR.	PHASE	BKR.	WIRE	LOAD/VA	DESCRIPTION
1	LTS. GYM, DINING	1071	#12	20/1	Α	20/1	EXIST.	720	EXISTING LOAD
3	Rec. Ref. Dining	800	#12	20/1	В	20/1	EXIST.	720	EXISTING LOAD
5	Rec. Comp. Gym	720	#12	20/1	С	20/1	EXIST.	720	EXISTING LOAD
7	Rec. ADL APT	1080	#12	20/1	Α	30/1	EXIST.	1800	EXISTING LOAD
9	EXISTING LOAD	720	EXIST.	20/1	В	20/1	EXIST.	720	EXISTING LOAD
11	EXISTING LOAD	720	EXIST.	20/1	С	20/1	EXIST.	720	EXISTING LOAD
13	EXISTING LOAD	720	EXIST.	20/1	Α	20/1	EXIST.	720	EXISTING LOAD
15	EXISTING LOAD	720	EXIST.	20/1	В	30/1			SPARE
17	EXISTING LOAD	720	EXIST.	20/1	С	20/1	EXIST.	720	EXISTING LOAD
19	EXISTING LOAD	720	EXIST.	20/1	Α	20/1	EXIST.	500	EXISTING LOAD
21	EXISTING LOAD	720	EXIST.	20/1	В	20/1			SPARE
23	EXISTING LOAD	720	EXIST.	20/1	C	20/1	EXIST.	720	EXISTING LOAD
25	EXISTING LOAD	720	EXIST.	20/1	Α	20/2	EXIST.	0	EXISTING LOAD
27	EXISTING LOAD	1800	EXIST.	30/1	В	20/2	LACT.	0	ENGTHIS EGAB
29	EXISTING LOAD	1800	EXIST.	30/1	С	30/1			SPARE
31	SPARE			30/1	Α	20/1	EXIST.	720	EXISTING LOAD
33	SPARE			20/1	В	20/1	EXIST.	720	EXISTING LOAD
35	EXISTING LOAD	1800	EXIST.	30/1	С	20/1	EXIST.	720	EXISTING LOAD
37	EXISTING LOAD	1800	EXIST.	30/1	Α			2880	
39	EXISTING LOAD	1800	EXIST.	30/1	В	50/3	EXIST.	2160	PANEL "3ECA"
41	EXISTING LOAD	720	EXIST.	20/1	С			2160	
				TOTAL—▶	CONNEC	TED LOAD	DEMAN	ID LOAD	PANEL NOTES
	DEMAND LOAD CALC.	PHASE A	PHASE B	PHASE C	KVA	AMPS	KVA	AMPS	SHADING INDICATES NEW
	LIGHTING X 125%	1.1	0.0	0.0	1.1	3.0	1.3	3.7	DESCRIPTION, LOAD WIRE
	RECEPTACLES @ 10KW+50%	9.0	8.7	10.8	28.5	79.2	19.3	53.5	AND/OR BREAKER.
	EQUIPMENT @ 100%	0.5	0.0	0.0	0.5	1.4	0.5	1.4	
	HVAC COOLING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	HVAC HEATING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	KITCHEN @ NEC 220.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	LARGEST MOTOR @ 1.25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	SUB PANELS	2.9	2.2	2.2	7.2	20.0	7.2	20.0	Total Demand KVA: 28.3
	TOTAL▼	13.5	10.9	13.0	37.3	103.5	28.3	78.5	Total Demand Amps: 78.5

PA	NEL SCHEDULE:	3ECA				(CRITIC	CAL BR	RANCH)	(EXISTING)		
	TS/PHASE: 208Y/120V, 3PH, 4W					(0			(======================================	,	
	AMPS: 100A										
	SIZE/TYPE: MLO										
иои	NTING: SURFACE										
					SECTION 1	l					
NO.	DESCRIPTION	LOAD/VA	WIRE	BKR.	PHASE	BKR.	WIRE	LOAD/VA	DESCRIPTION	1	
1	-SPARE			30/2	Α	20/1	EXIST.	720	EXISTING LOAD		
3	SPARE			30/2	В	20/1			SPARE		
5	SPARE			20/1	C	30/2			SPARE		
7	SPARE			20/1	Α	30/2			017112		
9	EXISTING LOAD	720	EXIST.	20/1	В	30/2			SPARE		
11	EXISTING LOAD	720	EXIST.	20/1					OF AIRE		
13	EXISTING LOAD	720	EXIST.	20/1	Α	20/1	EXIST.	720	EXISTING LOAD		
15	EXISTING LOAD	720	EXIST.	20/1	В	20/1	EXIST.	720	EXISTING LOAD		
17	EXISTING LOAD	720	EXIST.	20/1		20/1	EXIST.	720	EXISTING LOAD		
19	EXISTING LOAD	720	EXIST.	20/1	Α				SPACE		
21	SPARE			20/1	В				SPACE		
23	SPARE			50/2	C				SPACE		
25	OF AIRE			30/2	Α				SPACE		
27	SPACE				В				SPACE		
29	SPACE				C				SPACE		
										_	
				TOTAL—▶		TED LOAD		ID LOAD	PANEL NOTES		
	DEMAND LOAD CALC.	PHASE A	PHASE B	PHASE C	KVA	AMPS	KVA	AMPS	SHADING INDICATES NEW		
	LIGHTING X 125%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DESCRIPTION, LOAD, WIRE AND/OR BREAKER.		
	RECEPTACLES @ 10KW+50%	2.9	2.2	2.2	7.2	20.0	7.2	20.0	AND/OR BREAKER.		
	EQUIPMENT @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0		I	
	HVAC COOLING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
	HVAC HEATING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
	KITCHEN @ NEC 220.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1		
	LARGEST MOTOR @ 1.25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0		4	
	SUB PANELS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Total Demand KVA: 7.2		
	TOTAL▼	2.9	2.2	2.2	7.2	20.0	7.2	20.0	Total Demand Amps: 20.0		

	NEL SCHEDULE:	JECD				CMIN	CAL DI	RANCH)	(EXISTING	,
	AMPS: 50A									
//AIN	SIZE/TYPE: 50A/MCB									
MOU	NTING: SURFACE									
					SECTION 1					
NO.	DESCRIPTION	LOAD/VA	WIRE	BKR.	PHASE	BKR.	WIRE	LOAD/VA	DESCRIPTION	T
1	LTS. PAT. ROOMS	1819	#12	20/1	Α	20/1	#12	360	REC. PAT. ROOMS	
3	LTS. PAT. ROOMS	1160	#12	20/1	В	20/1	#12	720	REC. PAT. ROOMS	
5	REC. PAT. ROOMS	720	#12	20/1	С	20/1	#12	180	CRASH CART	
7	REC. PAT. ROOMS	1440	#12	20/1	Α	20/1	#12	1080	REC. PAT. ROOMS	
9	REC. NURSE STATION	1200	#12	20/1	В	20/1	#12	1080	REC. PAT. ROOMS	П
11	REC. NURSE STATION	1200	#12	20/1	С	20/1	#12	1080	REC. PAT. ROOMS	
13	PRINTERS	540	#12	20/1	Α	20/1	EXIST.	540	EXISTING LOAD	
15	REC. DICT.	1200	#12	20/1	В	20/1	EXIST.	540	EXISTING LOAD	
17	REC. MEDS ROOM	1560	#12	20/1	С	20/1	EXIST.	540	EXISTING LOAD	
19	EXISTING LOAD	540	EXIST.	20/1	Α	20/1	EXIST.	540	EXISTING LOAD	
21	EXISTING LOAD	540	EXIST.	20/1	В	20/1	EXIST.	540	EXISTING LOAD	
23	EXISTING LOAD	540	EXIST.	20/1	С	20/1	EXIST.	540	EXISTING LOAD	
				TOTAL—▶	CONNECT	ED LOAD	DEMAN	ID LOAD	PANEL NOTES	
	DEMAND LOAD CALC.	PHASE A	PHASE B	PHASE C	KVA	AMPS	KVA	AMPS	SHADING INDICATES NEW	٦
	LIGHTING X 125%	1.8	1.2	0.0	3.0	8.3	3.7	10.3	DESCRIPTION, LOAD, WIRE AND/OR BREAKER.	
	RECEPTACLES @ 10KW+50%	5.0	5.8	6.4	17.2	47.8	13.6	37.8	AND/OR BREAKER.	
	EQUIPMENT @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	HVAC COOLING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	HVAC HEATING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	KITCHEN @ NEC 220.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	LARGEST MOTOR @ 1.25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	SUB PANELS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Total Demand KVA: 17.3	7
	TOTAL ▼	6.9	7.0	6.4	20.2	56.1	17.3	48.1	Total Demand Amps: 48.1	

20/1 #12 20/1 #12 20/1 #12 70/3 EXIST. 20/1 #12 20/1 #12 20/1 #12 20/1 #12 20/1 #12 20/1 #12	1260 1080 1080 9000 7760 8480 1080 1200 540	REC. PAT. ROOM REC. PAT. ROOM PANEL "3D" REC. PAT. ROOM REC. PAT. ROOM REC. NURSE STATION REC. NURSE STATION
20/1 #12 70/3 EXIST. 20/1 #12 20/1 #12 20/1 #12 20/1 #12 20/1 #12	1080 9000 7760 8480 1080 1200 540	REC. PAT. ROOM PANEL "3D" REC. PAT. ROOM REC. NURSE STATION
70/3 EXIST. 20/1 #12 20/1 #12 20/1 #12 20/1 #12	9000 7760 8480 1080 1200 540	PANEL "3D" REC. PAT. ROOM REC. NURSE STATION
20/1 #12 20/1 #12 20/1 #12 20/1 #12	7760 8480 1080 1200 540	REC. PAT. ROOM REC. NURSE STATION
20/1 #12 20/1 #12 20/1 #12 20/1 #12	8480 1080 1200 540	REC. PAT. ROOM REC. NURSE STATION
20/1 #12 20/1 #12 20/1 #12	1080 1200 540	REC. NURSE STATION
20/1 #12 20/1 #12 20/1 #12	1200 540	REC. NURSE STATION
20/1 #12 20/1 #12	540	
20/1 #12		REC. NURSE STATION
	1200	
20/1 #12		REC. DICT.
	1200	REC. NURSE STATION
20/1 #12	900	REC. PAT. ROOM
20/1 #12	900	REC. PAT. ROOM
20/1 #12	900	REC. PAT. ROOM
20/1 #12	900	REC. PAT. ROOM
AMPS KVA	AMPS	SHADING INDICATES NEW DESCRIPTION, LOAD, WIRE
AMPS KVA	AMPS	
		AND/OR BREAKER.
0.0 0.0	0.0	
0.0 0.0	0.0	
	0.0	
	0.0	
0.0 0.0	0.0	
0.0 0.0	0.0	
0.0 0.0 0.0 0.0	0.0	Total Demand KVA: 39 3
0.0 0.0		Total Demand KVA: 38.3 Total Demand Amps: 106.2
AN 1	OAD DEMANI MPS KVA 1.1 5.0 5.5 16.8	OAD DEMAND LOAD MPS KVA AMPS 1.1 5.0 13.9 5.5 16.8 46.6

(NORMAL BRANCH)

(EXISTING)

PANEL SCHEDULE: 3C

VOLTS/PHASE: 208Y/120V, 3PH, 4W

BUS AMPS: 90A

MAIN SIZE/TYPE: 90A/MCB

MOUNTING: SURFACE

WOO	NTING: SURFACE									
					SECTION 1					
NO.	DESCRIPTION	LOAD/VA	WIRE	BKR.	PHASE	BKR.	WIRE	LOAD/VA	DESCRIPTION	1
1	ICE MACHINE	1200	#12	20/1	Α	20/1	#12	1080	REC. PAT. ROOM	
3	REC. NOURISH	680	#12	20/1	В	20/1	#12	1080	REC. PAT. ROOM	
5	COFFEE MAKER	1200	#12	20/1	C	20/1	#12	1260	REC. PAT. ROOM	Г
7	MICROWAVE	1500	#12	20/1	Α	20/1	#12	900	REC. PAT. ROOM	Г
9	REC. BREAK ROOM	900	#12	20/1	В	20/1	#12	900	REC. PAT. ROOM	П
11	REF. BREAK ROOM	800	#12	20/1	С	20/1	#12	900	REC. PAT. ROOM	
13	RECPS. MULTI PURPOSE	720	#12	20/1	Α	20/1	#12	1080	REC. PAT. ROOM	
15	EXISTING LOAD	600	EXIST.	20/1	В	20/1	#12	1080	REC. PAT. ROOM	
17	EXISTING LOAD	540	EXIST.	20/1	С	20/1	#12	1260	REC. PAT. ROOM	
19	EXISTING LOAD	540	EXIST.	20/1	Α	20/1	#12	900	REC. PAT. ROOM	
21	EXISTING LOAD	540	EXIST.	20/1	В	20/1	#12	900	REC. PAT. ROOM	
23	EXISTING LOAD	540	EXIST.	20/1	С	20/1	#12	900	REC. PAT. ROOM	
25	EXISTING LOAD	540	EXIST.	20/1	Α	20/1	EXIST.	540	EXISTING LOAD	
27	EXISTING LOAD	540	EXIST.	20/1	В	20/1	EXIST.	540	EXISTING LOAD	
29	EXISTING LOAD	540	EXIST.	20/1	С	20/1	EXIST.	540	EXISTING LOAD	
									и	_
				TOTAL—▶	CONNECT			D LOAD	PANEL NOTES	╛
	DEMAND LOAD CALC.	PHASE A	PHASE B	PHASE C	KVA	AMPS	KVA	AMPS	SHADING INDICATES NEW	
	LIGHTING X 125%	0.0	0.6	0.0	0.6	1.7	0.8	2.1	DESCRIPTION, LOAD, WIRE AND/OR BREAKER.	
	RECEPTACLES @ 10KW+50%	9.0	7.2	8.5	24.6	68.4	17.3	48.1	AND/OR BREAKER.	1
	EQUIPMENT @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1
	HVAC COOLING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1
	HVAC HEATING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1
	KITCHEN @ NEC 220.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1
	LARGEST MOTOR @ 1.25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0		╛
	SUB PANELS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Total Demand KVA: 18.1	
	TOTAL▼	9.0	7.8	8.5	25.2	70.1	18.1	50.2	Total Demand Amps: 50.2	┚

OL SUS	NEL SCHEDULE: TS/PHASE: 480Y/277V, 3PH, 3W AMPS: 800A I SIZE/TYPE: MLO INTING: SURFACE	EQ			(E	QUIPM	ENT BR	ANCH)	(EXISTING)	
					SECTION 1				_	
	DESCRIPTION	LOAD/VA	WIRE	BKR.	PHASE	BKR.	WIRE		DESCRIPTION	NO.
1	SPACE				A	00/0	EVACE	3333	2017/4 7/242	
3	SPACE				В	60/3	EXIST.	3333	30kVA XFMR	2
		27713			С			3333		
5	EXISTING LOAD	27713	EXIST.	400/3	A	400/0	E)46T	8853	DOMESTIC WATER BOOSTER	١,
		27713			В	100/3	EXIST.	8853	PUMPS	4
		27713			C			8853		
7	PANEL EQH	13856	EXIST.	150/3	Α	-			SPACE	6
1	PANEL EQH	13856	ENSI.	150/3	В	-			SPACE	0
		13856			C					
9	EQ PANEL PAT. FLS	9238	EXIST.	100/3	A	-			SPACE	8
9	EQ PANEL PAT. PLS	9238	ENST.	100/3	В				SPACE	
		9238			C			00774		
11	PANEL EQ4	5542 5542	EXIST.	60/3	В	150/3	RE: E4.02	26771	3RD FLOOR MECHANICAL	10
"	FANCE EQ4	5542	LAST.	00/3	С		IXL. L4.02	26771 26771	ROOM WIREWAY	'0
		9238						9238		
13	PANEL KEQ	9238	EXIST.	100/3	<u>А</u> В	100/3	EXIST.	9238	PANEL EQ2	12
	, , , , , , , , , , , , , , , , , , ,	9238	2,401.	100/0	C		2,401.	9238	1 / 11 2 2 2 2	'-
		13856			A			23094		
15	PANEL MSC-2	13856	EXIST.	150/3	В В	250/3	EXIST.	23094	PANEL EQ1	14
	7.11.22.11.00.2	13856	2,001.	100/0	C	4	2,001.	23094		'''
		10000						20001		
				TOTAL▶	CONNECT	TED LOAD	DEMAN	D LOAD	PANEL NOTES	1
	DEMAND LOAD CALC.	PHASE A	PHASE B	PHASE C	KVA	AMPS	KVA	AMPS	SHADING INDICATES NEW	1
	LIGHTING X 125%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DESCRIPTION, LOAD, WIRE	
	RECEPTACLES @ 10KW+50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	AND/OR BREAKER.	1
	EQUIPMENT @ 100%	124.0	124.0	151.7	399.6	480.6	399.6	480.6		
	HVAC COOLING @ 100%	26.8	26.8	26.8	80.3	96.6	80.3	96.6		
	HVAC HEATING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	KITCHEN @ NEC 220.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	LARGEST MOTOR @ 1.25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0]
	SUB PANELS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Total Demand KVA: 479.9	
	TOTAL▼	150.7	150.7	178.4	479.9	577.2	479.9	577.2	Total Demand Amps: 577.2	I

VOL ^T BUS	NEL SCHEDULE: TS/PHASE: 208Y/120V, 3PH, 4W AMPS: 125A I SIZE/TYPE: 125A/MCB	3A				(NORN	MAL BR	RANCH)	(EXISTING
MOU	NTING: SURFACE				SECTION 1				
NO.	DESCRIPTION	LOAD/VA	WIRE	BKR.	PHASE	BKR.	WIRE	LOAD/VA	DESCRIPTION
1	LTS. CORRIDOR	295	#12	20/1	Α	20/1	#12	540	Computers Gym
3	LTS. GYM, DINING	1583	#12	20/1	В	20/1	#12	900	Floor Plugs Gym
5	Rec. Dining Room	1260	#12	20/1	С	20/1	#12	1440	Rec. Gym
7	Rec. Dining Room	720	#12	20/1	Α			4720	
9	Ice Machine Dining	1200	#12	20/1	В	70/3	EXIST.	4080	PANEL "3B"
11	Coffee Maker Dining	1200	#12	20/1	С			3900	
13	Micro Wave Dining	1500	#12	20/1	Α	20/1	#12	800	Ref. ADL Kitchen
15	Rec. Gym, Closets	1080	#12	20/1	В	50/2	#8	4160	Range ADL Kitchen
17	Rec. Equip.	900	#12	20/1	С	30/2	#0	4160	Range ADL Ritchen
19	Rec. ADL APT	1280	#12	20/1	Α	30/2	#10	1500	Dryer ADL Kitchen
21	Rec. Housekeeping	540	#12	20/1	В	30/2	#10	1500	Diyer ADE Kitchen
23	Rec. ADL APT	900	#12	20/1	С	20/1	#12	720	Rec. ADL Kitchen
25	Rec. ADL APT	1440	#12	20/1	Α	20/1	#12	1500	Laundry ADL Kitchen
27	Rec. ADL APT	900	#12	20/1	В	20/1	#12	500	RANGE HOOD
29	SPACE				С	20/1	EXIST.	360	EXISTING LOAD
				TOTAL—▶	CONNECT			ID LOAD	PANEL NOTES
1	DEMAND LOAD CALC.	PHASE A	PHASE B	PHASE C	KVA	AMPS	KVA	AMPS	SHADING INDICATES NEW
	LIGHTING X 125%	0.3	1.6	0.0	1.9	5.2	2.3	6.5	DESCRIPTION, LOAD, WIRE

LIGH IING X 125%	0.3	1.6	0.0	1.9	5.2	2.3	6.5	AND/OD DDEA/CED
RECEPTACLES @ 10KW+50%	7.8	5.1	6.8	19.7	54.6	14.8	41.2	AND/OR BREAKER.
EQUIPMENT @ 100%	1.5	5.7	4.2	11.3	31.4	11.3	31.4	1
HVAC COOLING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
HVAC HEATING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
KITCHEN @ NEC 220.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
LARGEST MOTOR @ 1.25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
SUB PANELS	4.7	4.1	3.9	12.7	35.3	14.0	38.9	Total Demand KVA: 42.5
TOTAL▼	14.3	16.4	14.8	45.6	126.5	42.5	118.0	Total Demand Amps: 118.0
ANEL SCHEDULE: LTS/PHASE: 208Y/120V, 3PH, 4W	3B				(NORI	MAL BR	RANCH)	(EXISTING)
S AMPS: 100A								

VOL	ANEL SCHEDULE: TS/PHASE: 208Y/120V, 3PH, 4W	3B				(NORN	MAL BF	RANCH)	(EXISTING
	AMPS: 100A SIZE/TYPE: MLO								
	INTING: SURFACE								
					SECTION 1				
NO.	DESCRIPTION	LOAD/VA	WIRE	BKR.	PHASE	BKR.	WIRE	LOAD/VA	DESCRIPTION
1	EXISTING LOAD	480	EXIST.	20/1	Α	20/1	EXIST.	360	EXISTING LOAD
3	EXISTING LOAD	480	EXIST.	20/1	В	20/1	EXIST.	360	EXISTING LOAD
5	EXISTING LOAD	480	EXIST.	20/1	С	20/1	EXIST.	360	EXISTING LOAD
7	EXISTING LOAD	480	EXIST.	20/1	Α	20/1	EXIST.	360	EXISTING LOAD
9	EXISTING LOAD	480	EXIST.	20/1	В	20/1	EXIST.	360	EXISTING LOAD
11	EXISTING LOAD	480	EXIST.	20/1	С	20/1	EXIST.	360	EXISTING LOAD
13	EXISTING LOAD	480	EXIST.	20/1	Α	20/1	EXIST.	360	EXISTING LOAD
15	EXISTING LOAD	480	EXIST.	20/1	В	20/1	EXIST.	360	EXISTING LOAD
17	EXISTING LOAD	480	EXIST.	20/1	С	20/1	EXIST.	300	EXISTING LOAD
19	EXISTING LOAD	480	EXIST.	20/1	Α	30/1	EXIST.	1000	EXISTING LOAD
21	EXISTING LOAD	480	EXIST.	20/1	В	20/1	EXIST.	360	EXISTING LOAD
23	EXISTING LOAD	360	EXIST.	20/1	С	20/1	EXIST.	360	EXISTING LOAD
25	EXISTING LOAD	360	EXIST.	20/1	Α	20/1	EXIST.	360	EXISTING LOAD
27	EXISTING LOAD	360	EXIST.	20/1	В	20/1	EXIST.	360	EXISTING LOAD
29	EXISTING LOAD	360	EXIST.	20/1	С	20/1	EXIST.	360	EXISTING LOAD
				TOTAL—▶	CONNECT	ED LOAD	DEMAN	ND LOAD	PANEL NOTES
	DEMAND LOAD CALC.	PHASE A	PHASE B	PHASE C	KVA	AMPS	KVA	AMPS	SHADING INDICATES NEW
	LIGHTING X 125%	1.9	1.9	1.4	5.3	14.7	6.6	18.3	DESCRIPTION, LOAD, WIRE
	RECEPTACLES @ 10KW+50%	2.8	2.2	2.2	7.1	19.8	7.1	19.8	AND/OR BREAKER.
	EQUIPMENT @ 100%	0.0	0.0	0.3	0.3	0.8	0.3	0.8	
	HVAC COOLING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
	HVAC HEATING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	KITCHEN @ NEC 220.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	LARGEST MOTOR @ 1.25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	SUB PANELS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Total Demand KVA: 14.0
	TOTAL.▼	47	4 1	3.9	12 7	35.3	14.0	38.9	Total Demand Amps: 38.9

301	B PANELS TOTAL▼	4.7	0.0	3.9	0.0	0.0 35.3	0.0	0.0	Total Demand KVA: 14.0	
	IO IAL V	4.7	4.1	3.9	12.7	35.3	14.0	38.9	Total Demand Amps: 38.9	_
PANE	EL SCHEDULE:	3E.A			ДI	FE SAFI	ETV BR	ANCH)	(EXISTING)
	HASE: 208Y/120V. 3PH. 4W	OL11			(111	L Sili		mi (CII)	(2211311110	,
BUS AMP										
	E/TYPE: MLO									
MOUNTIN	IG: SURFACE									
					SECTION 1					
NO. DES	SCRIPTION	LOAD/VA	WIRE	BKR.	PHASE	BKR.	WIRE	LOAD/VA	DESCRIPTION	
1 LTS	S. CORRIDOR	721	#12	20/1	Α	20/1	#12	1200	FIRE DOOR	
3 ME I	D GAS ALARM PANEL	300	#12	20/1	В	20/1	#12	1200	FIRE DOOR	
5 EXIS	STING LOAD	900	EXIST.	20/1	С	20/1	#12	1200	FIRE DOOR	
7 EXIS	STING LOAD	900	EXIST.	20/1	Α	20/1	EXIST.	900	EXISTING LOAD	
9 EXIS	STING LOAD	900	EXIST.	20/1	В	20/1	EXIST.	720	EXISTING LOAD	
11 EXIS	STING LOAD	500	EXIST.	20/1	С	20/1	EXIST.	720	EXISTING LOAD	
13 EXIS	STING LOAD	900	EXIST.	20/1	Α	20/1	EXIST.	720	EXISTING LOAD	
15 EXIS	STING LOAD	500	EXIST.	20/1	В	20/1	EXIST.	720	EXISTING LOAD	
17 EXIS	STING LOAD	900	EXIST.	20/1	С	20/1	EXIST.	720	EXISTING LOAD	
19 EXIS	STING LOAD	500	EXIST.	20/1	Α	20/1	EXIST.	720	EXISTING LOAD	
21 EXIS	STING LOAD	500	EXIST.	20/1	В	20/1	EXIST.	720	EXISTING LOAD	
23 EXIS	STING LOAD	500	EXIST.	20/1	С	20/1	EXIST.	500	EXISTING LOAD	
										_
_				TOTAL-►	CONNECT			ID LOAD	PANEL NOTES	╛
	DEMAND LOAD CALC.			PHASE C	KVA	AMPS	KVA	AMPS	SHADING INDICATES NEW DESCRIPTION, LOAD, WIRE	
	HTING X 125%	3.4	0.9	1.8	6.1	17.0	7.7	21.2	AND/OR BREAKER.	
	CEPTACLES @ 10KW+50%	1.4	2.2	1.4	5.0	14.0	5.0	14.0		
	UIPMENT @ 100%	1.7	2.5	2.7	6.9	19.2	6.9	19.2		
	AC COOLING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	AC HEATING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	1
	CHEN @ NEC 220.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	1
	RGEST MOTOR @ 1.25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0		4
SUE	B PANELS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Total Demand KVA: 19.6	1
	TOTAL▼	6.6	5.6	5.9	18.1	50.1	19.6	54.4	Total Demand Amps: 54.4	1

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Houston, Texas 77043 **bennett** p: 713.850.8833 f:713.850.0383 design



3rd Floor **INPATIENT REHAB UNIT**

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AUTHORITY OF:
Name: GREG W. MERCER
P.E. No. 114431
DATE: 09/06/2018

REVIS	SIONS	
NO.	ISSUE	DATE

Sheet Information 09/06/2018 PANEL

SCHEDULES -**ELECTRICAL**

ISSUED FOR PRICING ONLY

LOAD, LIGHTING, RECEPTACLES, ETC.) ARE USED, CONTRACTOR SHALL UTILIZE PREVIOUS PANEL SCHEDULES TO PROVIDE BEST DESCRIPTION POSSIBLE. THE EQUIPMENT GROUNDING TERMINAL BUSES OF THE NORMAL AND ESSENTIAL BRANCH-CIRCUIT PANELBOARDS SERVING THE SAME INDIVIDUAL PATIENT CARE

PANEL SCHEDULES GENERAL NOTES

VICINITY SHALL BE CONNECTED TOGETHER WITH AN INSULATED CONTINUOUS COPPER CONDUCTOR NOT SMALLER THAN #10.

DEMOLITION LEGEND				
SYMBOL	DESCRIPTION			
	EXISTING TO REMAIN "(E)"			
	EXISTING TO BE RELOCATED "(R)"			
	EXISTING TO BE DEMOLISHED "(D)"			

GENERAL DEMOLITION NOTES

- 1. REFER TO THE MECHANICAL AND/OR PLUMBING PLANS FOR EXACT EQUIPMENT LOCATIONS AND ADDITIONAL INFORMATION REGARDING WHICH EQUIPMENT IS TO BE DEMOLISHED.
- 2. TO BEGIN THE DEMOLITION INDICATES THAT THE CONTRACTOR ACCEPTS THE EXISTING CONDITIONS.
- 3. CONTRACTOR SHALL MAINTAIN ACCESS TO EXISTING ELECTRICAL EQUIPMENT OR DEVICES WHICH REMAIN ACTIVE. CONTRACTOR SHALL EXTEND EXISTING INSTALLATIONS USING MATERIALS AND METHODS AS SPECIFIED.
- 4. VERIFY AND/OR DETERMINE EXISTING CIRCUITING ARRANGEMENTS FOR EQUIPMENT TO BE REMOVED BEFORE DE-ENERGIZING ANY CIRCUITS. CONTRACTOR SHALL CIRCUIT TRACE TO DETERMINE PANEL AND CIRCUIT CONNECTIONS FOR ALL EXISTING EQUIPMENT AND/OR CIRCUITS THAT ARE TO BE REMOVED IN PREPARATION FOR THE RENOVATION.
- 5. REMOVE ALL EXISTING DEVICES/EQUIPMENT THAT ARE NOT TO BE UTILIZED AFTER THE PROJECT IS COMPLETED. REMOVE ALL CONDUIT AND WIRING BACK TO THE SOURCE AND/OR PANEL UNLESS INDICATED OTHERWISE. PROVIDE KNOCKOUT COVERS AT UNUSED KNOCKOUT OPENINGS. MAINTAIN OPERATIONAL ALL EXISTING TO REMAIN DEVICES/EQUIPMENT, REGARDLESS IF ANY UPSTREAM DEVICES/EQUIPMENT ARE TO BE DEMOLISHED (EXTEND EXISTING CIRCUITS AS NEEDED). ALL MATERIALS AND EQUIPMENT NOT TO BE REUSED (UNLESS OWNER ELECTS TO RETAIN) IN THE PROJECT BECOMES THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES.
- 6. REMOVE EXISTING ELECTRICAL DEVICES WHERE EXISTING WALLS ARE BEING REMOVED.
- 7. REFER TO ARCHITECTURAL PLANS FOR AREAS WHERE CEILING IS BEING DEMOLISHED. DEMOLISH LIGHTING FIXTURES AND ELECTRICAL CEILING MOUNTED DEVICES UNLESS INDICATED OTHERWISE.
- 8. PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. CONTRACTOR SHALL REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION. IF WORK MUST BE PERFORMED ON ENERGIZED EQUIPMENT OR CIRCUITS, CONTRACTOR SHALL USE PERSONNEL QUALIFIED FOR SUCH OPERATIONS.
- 9. PROPERLY DISPOSE OF ANY HARMFUL COMPONENTS AND SUBSTANCES (BATTERY PACKS, ETC).
- 10. PLAN ANY NECESSARY POWER OUTAGES. CONTRACTOR SHALL PREPARE A WRITTEN PROCEDURE TO BE FOLLOWED DURING THE OUTAGE TO COMPLETE THE PLANNED WORK. CONTRACTOR SHALL PROVIDE DETAILS TO THE OWNER OF WHERE POWER DISRUPTION WILL OCCUR, AND SHALL COORDINATE WITH THE OWNER TO DETERMINE WHEN THE POWER DISRUPTION IS ACCEPTABLE.
- 11. CONTRACTOR SHALL NOTE ANY EXISTING FIRE RATING/PREVENTION METHODS EMPLOYED AT EACH AREA OF THE SCOPE OF WORK FIRE CAULK, LIGHTING FIXTURE "FIRE BOXES", ETC. THE CONTRACTOR SHALL MAINTAIN AND/OR RESTORE THE ORIGINAL FIRE RATING (USING SAME METHOD AS ORIGINALLY PROVIDED) AT EACH LOCATION AFFECTED BY THE WORK PERFORMED IN THIS RENOVATION. FINAL INSTALLATION APPROVAL
- 12. ALL EXISTING PANELBOARDS AND TRANSFORMERS ARE TO REMAIN UNLESS NOTED OTHERWISE.
- 13. CLEAN AND REPAIR EXISTING MATERIALS AND EQUIPMENT WHICH REMAIN OR ARE TO BE REUSED. IF ANY MATERIAL, EQUIPMENT, AND/OR FINISHES WITHIN THE SCOPE OF WORK IS DAMAGED, THEN RESTORE IT INTO WORKING CONDITION THAT IS ACCEPTABLE BY THE AHJ AND OWNER. IF NECESSARY, THE CONTRACTOR SHALL EMPLOY CRAFTS THAT WERE ORIGINALLY USED TO PERFORM THE EXISTING WORK.
- 14. UPON COMPLETION OF RENOVATION, CONTRACTOR SHALL PROVIDE CONTINUITY OF ANY CIRCUITS THAT ARE TO REMAIN THAT WERE INTERRUPTED DUE TO THE DEMOLITION. PROVIDE 'AS-BUILT' DRAWINGS AND ACCURATELY DENOTE EACH CIRCUIT PART OF THE SCOPE OF WORK. UPDATE ALL PANELBOARD/SWITCHBOARD DIRECTORIES AS REQUIRED.

NOTE: ALL ITEMS SHOWN ARE "(D)" EXISTING TO BE DEMOLISHED, UNLESS SPECIFICALLY TAGGED "(E)" EXISTING TO REMAIN OR "(R)" EXISTING TO BE RELOCATED.

DEMOLITION KEYED NOTES

REMOVE ALL EXISTING DEVICES/EQUIPMENT THAT ARE NOT TO BE UTILIZED AFTER THE PROJECT IS COMPLETED. REMOVE ALL CONDUIT AND WIRING BACK TO THE SOURCE AND/OR PANEL UNLESS INDICATED OTHERWISE. PROVIDE KNOCKOUT COVERS AT UNUSED KNOCKOUT OPENINGS. MAINTAIN OPERATIONAL ALL EXISTING TO REMAIN DEVICES/EQUIPMENT, REGARDLESS IF ANY UPSTREAM DEVICES/EQUIPMENT ARE TO BE DEMOLISHED (EXTEND EXISTING CIRCUITS AS NEEDED).

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JOB NUMBER

TITLE

PARTIAL

DEMOLITION PLAN

- ELECTRICAL -

AREA 1

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True North

DEN	DEMOLITION LEGEND				
SYMBOL	DESCRIPTION				
	EXISTING TO REMAIN "(E)"				
	EXISTING TO BE RELOCATED "(R)"				
	EXISTING TO BE DEMOLISHED "(D)"				

GENERAL DEMOLITION NOTES

- 1. REFER TO THE MECHANICAL AND/OR PLUMBING PLANS FOR EXACT EQUIPMENT LOCATIONS AND ADDITIONAL INFORMATION REGARDING WHICH EQUIPMENT IS TO BE DEMOLISHED.
- 2. TO BEGIN THE DEMOLITION INDICATES THAT THE CONTRACTOR ACCEPTS THE EXISTING CONDITIONS.
- 3. CONTRACTOR SHALL MAINTAIN ACCESS TO EXISTING ELECTRICAL EQUIPMENT OR DEVICES WHICH REMAIN ACTIVE. CONTRACTOR SHALL EXTEND EXISTING INSTALLATIONS USING MATERIALS AND METHODS AS
- 4. VERIFY AND/OR DETERMINE EXISTING CIRCUITING ARRANGEMENTS FOR EQUIPMENT TO BE REMOVED BEFORE DE-ENERGIZING ANY CIRCUITS. CONTRACTOR SHALL CIRCUIT TRACE TO DETERMINE PANEL AND CIRCUIT CONNECTIONS FOR ALL EXISTING EQUIPMENT AND/OR CIRCUITS THAT ARE TO BE REMOVED IN PREPARATION FOR THE RENOVATION.
- 5. REMOVE ALL EXISTING DEVICES/EQUIPMENT THAT ARE NOT TO BE UTILIZED AFTER THE PROJECT IS COMPLETED. REMOVE ALL CONDUIT AND WIRING BACK TO THE SOURCE AND/OR PANEL UNLESS INDICATED OTHERWISE. PROVIDE KNOCKOUT COVERS AT UNUSED KNOCKOUT OPENINGS. MAINTAIN OPERATIONAL ALL EXISTING TO REMAIN DEVICES/EQUIPMENT, REGARDLESS IF ANY UPSTREAM DEVICES/EQUIPMENT ARE TO BE DEMOLISHED (EXTEND EXISTING CIRCUITS AS NEEDED). ALL MATERIALS AND EQUIPMENT NOT TO BE REUSED (UNLESS OWNER ELECTS TO RETAIN) IN THE PROJECT BECOMES THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES.
- 6. REMOVE EXISTING ELECTRICAL DEVICES WHERE EXISTING WALLS ARE BEING REMOVED.
- 7. REFER TO ARCHITECTURAL PLANS FOR AREAS WHERE CEILING IS BEING DEMOLISHED. DEMOLISH LIGHTING FIXTURES AND ELECTRICAL CEILING MOUNTED DEVICES UNLESS INDICATED OTHERWISE.
- 8. PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. CONTRACTOR SHALL REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION. IF WORK MUST BE PERFORMED ON ENERGIZED EQUIPMENT OR CIRCUITS, CONTRACTOR SHALL USE PERSONNEL QUALIFIED FOR SUCH OPERATIONS.
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- 12. ALL EXISTING PANELBOARDS AND TRANSFORMERS ARE TO REMAIN UNLESS NOTED OTHERWISE.
- 13. CLEAN AND REPAIR EXISTING MATERIALS AND EQUIPMENT WHICH REMAIN OR ARE TO BE REUSED. IF ANY MATERIAL, EQUIPMENT, AND/OR FINISHES WITHIN THE SCOPE OF WORK IS DAMAGED, THEN RESTORE IT INTO WORKING CONDITION THAT IS ACCEPTABLE BY THE AHJ AND OWNER. IF NECESSARY, THE CONTRACTOR SHALL EMPLOY CRAFTS THAT WERE ORIGINALLY USED TO PERFORM THE EXISTING WORK.
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DEMOLITION KEYED NOTES

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JOB NUMBER PARTIAL

DEMOLITION PLAN - ELECTRICAL -AREA 2

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1/8" = 1'-0"

PARTIAL DEMOLITION PLAN - ELECTRICAL - AREA 2

REN	RENOVATION LEGEND						
SYMBOL	DESCRIPTION						
	EXISTING TO REMAIN "(E)"						
	RELOCATED "(R)"						
	NEW CONSTRUCTION						

GENERAL LIGHTING NOTES

- . REFER TO THE GENERAL NOTES ON THE INFORMATION SHEET FOR ADDITIONAL INFORMATION.
- 2. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION, MOUNTING HEIGHT, AND ROTATION OF ALL LIGHTING FIXTURES. REFER TO THE ARCHITECTURAL PLANS FOR CEILING TYPES; COORDINATE ALL FIXTURE TYPES AND APPROPRIATE MOUNTING HARDWARE PRIOR TO PURCHASING.
- PROVIDE NEW OCCUPANCY SENSORS. THE OCCUPANCY SENSOR LOCATIONS AND QUANTITIES ARE DIAGRAMMATIC ONLY AND ARE SHOWN FOR GENERAL INTENT AND PRICING ONLY. EXACT SENSOR LOCATION AND PLACEMENT IS TO BE PER THE SELECTED MANUFACTURER LAYOUT. SENSORS ARE TO BE POSITIONED AND AIMED IN SUCH A WAY THAT SENSORS ONLY RESPOND TO MOTION IN THE ROOM CONTAINING THE SENSORS. INSTALL SENSORS A SAFE DISTANCE AWAY FROM HVAC SUPPLY AND RETURN GRILLES IN ORDER TO AVOID FALSE ACTIVATION; EXACT MOUNTING DISTANCES SHALL BE PER SENSOR MANUFACTURER. WALL-MOUNTED OR CEILING-MOUNTED SENSORS SHALL BE SUITABLE FOR THE ENVIRONMENT IN WHICH THEY ARE PLACED IN. OCCUPANCY SENSORS ARE TO BE SUPPLIED FROM THE SAME POWER SOURCE THE LIGHTING FIXTURES ARE CONNECTED TO. ALL SENSORS SHALL HAVE NORMALLY CLOSED CONTACTS AND ALLOW CURRENT TO POWER THE LIGHTING FIXTURES IN THE EVENT OF A SENSOR FAILURE. PROVIDE ALL SENSOR POWER PACKS, HARDWARE, AND CIRCUITS
- 4. ALL NEW SWITCHES CONTROLLING EMERGENCY FIXTURES SHALL BE RED AND HAVE A RED COVER PLATE.
- 5. ALL EXIT LIGHTS ARE FIXTURE TYPE "X".



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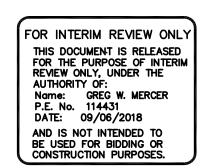


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PARTIAL FLOOR PLAN - LIGHTING - AREA 1

1/8" = 1'-0"

RENOVATION LEGEND				
SYMBOL	DESCRIPTION			
	EXISTING TO REMAIN "(E)"			
	RELOCATED "(R)"			
·	NEW CONSTRUCTION			

GENERAL LIGHTING NOTES

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PARTIAL FLOOR

PLAN - LIGHTING - AREA 2

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PARTIAL FLOOR PLAN - LIGHTING - AREA 2 1/8" = 1'-0"

RENOVATION LEGEND			
SYMBOL	DESCRIPTION		
	EXISTING TO REMAIN "(E)"		
_	RELOCATED "(R)"		
	NEW CONSTRUCTION		

GENERAL POWER NOTES

- 1. REFER TO THE GENERAL NOTES ON THE INFORMATION SHEET FOR ADDITIONAL INFORMATION.
- 2. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 3. RECEPTACLE/OUTLET HEIGHTS AND ORIENTATION ARE NOT INTENDED TO BE SHOWN ON THESE PLANS, REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR ALL RECEPTACLE/OUTLET HEIGHTS AND ORIENTATION PRIOR TO INSTALLATION. THE ARCHITECTURAL DRAWINGS AND OWNER SPECIFICATIONS SHALL SUPERSEDE ANY HEIGHT DIMENSIONS THAT ARE SHOWN ON THESE PLANS.
- 4. ALL RECEPTACLES WITHIN 6FT OF THE OUTSIDE EDGE OF A SINK OR WATER SOURCE (PIPE, HOSE, ETC.) SHALL BE GFCI. THEY SHALL BE CONNECTED TO NOT AFFECT OTHER DEVICES CONNECTED TO THE CIRCUIT IN THE EVENT OF A TRIP. FEED THROUGH TO NON-GFCI RECEPTACLES
- 5. ALL RECEPTACLES SHALL BE HOSPITAL GRADE. ONLY SIMPLEX GROUNDING OR DUPLEX GROUNDING DEVICES SHALL BE INSTALLED IN PATIENT CARE SPACES, MULTI-GANGED RECEPTACLES ARE NOT ALLOWED.
- 6. ALL NEW RECEPTACLES ON EMERGENCY POWER SHALL BE RED AND HAVE A RED COVER PLATE WITH ENGRAVED CIRCUIT IDENTIFICATION.
- 7. PROVIDE TAMPER RESISTANT RECEPTACLES IN ALL WAITING ROOMS. CORRIDORS, PSYCHIATRIC AREAS, PEDIATRIC AREAS & BUSINESS OFFICES.
- 8. ALL EXTERIOR RECEPTACLES SHALL BE GFCI, WEATHER RESISTANT, AND BE INSTALLED WITH AN "WHILE-IN-USE" COVER.
- 9. ALL BRANCH CIRCUITS SERVING PATIENT CARE SPACES SHALL BE PROVIDED WITH AN EFFECTIVE GROUND-FAULT CURRENT PATH BY INSTALLATION IN A METAL RACEWAY SYSTEM. THE METAL RACEWAY SYSTEM SHALL ITSELF QUALIFY AS AN EQUIPMENT GROUNDING CONDUCTOR. THE FOLLOWING SHALL BE DIRECTLY CONNECTED TO AN INSULATED COPPER EQUIPMENT GROUNDING CONDUCTOR THAT IS CLEARLY IDENTIFIED ALONG ITS ENTIRE LENGTH BY GREEN INSULATION AND INSTALLED WITH THE BRANCH CIRCUIT CONDUCTORS IN THE WIRING METHODS LISTED ABOVE:
- a. THE GROUNDING TERMINALS OF ALL RECEPTACLES OTHER THAN ISOLATED GROUND RECEPTACLES METAL OUTLET BOXES, METAL DEVICE BOXES, OR METAL ENCLOSURES c. ALL NON-CURRENT-CARRYING CONDUCTIVE SURFACES OF FIXED

POWER KEYED NOTES

- (01) RECEPTACLE FOR PATIENT LIFT SYSTEM. VERIFY AND COORDINATE REQUIREMENTS AND LOCATION. MOUNT RECEPTACLE 6" BELOW CEILING.
- 02) FLOOR BOX SHALL BE HUBBELL 2-GANG SYSTEM ONE RECESSED CONCRETE FLOOR RECTANGULAR BOX OR EQUIVALENT. PROVIDE FLUSH COVER WITH CABLE EGRESS DOORS. VERIFY AND COORDINATE WITH SLAB
- PROVIDE 208V/50A/2P RECEPTACLE FOR OWNER FURNISHED, OWNER INSTALLED ELECTRIC RANGE. COORDINATE ALL WORK WITH OWNER'S
- 04) PROVIDE 208V/30A/2P RECEPTACLE FOR OWNER FURNISHED, OWNER INSTALLED DRYER. COORDINATE ALL WORK WITH OWNER'S REPRESENTATIVE.
- PROVIDE GFI RECEPTACLE UNDER SINK FOR GARBAGE DISPOSAL WITH ABOVE COUNTER SWITCH FOR CONTROL.
- THE EQUIPMENT GROUNDING TERMINAL BUSES OF THE NORMAL AND ESSENTIAL BRANCH-CIRCUIT PANELBOARDS SERVING THE SAME INDIVIDUAL PATIENT CARE VICINITY SHALL BE CONNECTED TOGETHER WITH AN INSULATED CONTINUOUS COPPER CONDUCTOR NOT SMALLER THAN #10, RUN IN 1/2"C.

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PARTIAL FLOOR

PLAN - POWER -AREA 1

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PARTIAL FLOOR PLAN - POWER - AREA 1

1/8" = 1'-0"

RENOVATION LEGEND		
SYMBOL	DESCRIPTION	
	EXISTING TO REMAIN "(E)"	
	RELOCATED "(R)"	
	NEW CONSTRUCTION	

GENERAL POWER NOTES

- 1. REFER TO THE GENERAL NOTES ON THE INFORMATION SHEET FOR ADDITIONAL INFORMATION.
- 2. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 3. RECEPTACLE/OUTLET HEIGHTS AND ORIENTATION ARE NOT INTENDED TO BE SHOWN ON THESE PLANS, REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR ALL RECEPTACLE/OUTLET HEIGHTS AND ORIENTATION PRIOR TO INSTALLATION. THE ARCHITECTURAL DRAWINGS AND OWNER SPECIFICATIONS SHALL SUPERSEDE ANY HEIGHT DIMENSIONS THAT ARE SHOWN ON THESE PLANS.
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- ISOLATED GROUND RECEPTACLES METAL OUTLET BOXES, METAL DEVICE BOXES, OR METAL ENCLOSURES c. ALL NON-CURRENT-CARRYING CONDUCTIVE SURFACES OF FIXED ELECTRICAL EQUIPMENT LIKELY TO BECOME ENERGIZED THAT ARE SUBJECT TO PERSONAL CONTACT, OPERATING AT OVER 100 VOLTS

POWER KEYED NOTES

- 01) RECEPTACLE FOR PATIENT LIFT SYSTEM. VERIFY AND COORDINATE REQUIREMENTS AND LOCATION. MOUNT RECEPTACLE 6" BELOW CEILING.
- 02) FLOOR BOX SHALL BE HUBBELL 2—GANG SYSTEM ONE RECESSED CONCRETE FLOOR RECTANGULAR BOX OR EQUIVALENT. PROVIDE FLUSH COVER WITH CABLE EGRESS DOORS. VERIFY AND COORDINATE WITH SLAB
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JOB NUMBER

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PARTIAL FLOOR PLAN - POWER -AREA 2

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PARTIAL FLOOR PLAN - POWER - AREA 2

RENOVATION LEGEND		
SYMBOL	DESCRIPTION	
	EXISTING TO REMAIN "(E)"	
	RELOCATED "(R)"	
	NEW CONSTRUCTION	

GENERAL EQUIPMENT POWER NOTES

- REFER TO THE GENERAL NOTES ON THE INFORMATION SHEET FOR ADDITIONAL INFORMATION.
- 2. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 3. REFER TO THE MECHANICAL AND/OR PLUMBING PLANS FOR EXACT EQUIPMENT LOCATIONS. EQUIPMENT LOCATIONS SHOWN ON THE ELECTRICAL PLANS ARE FOR REFERENCE ONLY.
- 4. ALL PANELBOARDS ARE EXISTING TO REMAIN UNLESS INDICATED
- 5. PROVIDE PERMANENT AFFIXED NAMEPLATES ON ALL ELECTRICAL EQUIPMENT ENCLOSURES OR HOUSINGS THAT ARE PART OF THE SCOPE OF WORK UNLESS NOTED OTHERWISE.
- 6. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED PER THE NEC REQUIRED CLEARANCES. THE WORKING/SPACE CLEARANCES SHALL BE AT A MINIMUM OF 4FT. IN FRONT OF THE EQUIPMENT AND 6FT. ABOVE (OR AS INDICATED PER THE NEC). PRIOR TO THE ELECTRICAL CONTRACTOR BID PROCESS, VERIFY THAT ALL ELECTRICAL CLEARANCES ARE MET BY OBTAINING THE EQUIPMENT DIMENSIONS FROM A MANUFACTURER AND GRAPHICALLY POSITION SCALED EQUIPMENT FIGURES INTO THE ELECTRICAL ROOMS DRAWINGS AND OTHER AREAS. CONSIDER ALL CEILING HEIGHT LIMITATIONS. PRIOR TO THE START OF ANY CONSTRUCTION, NOTIFY THE ENGINEER IN A WRITTEN MANNER IF ANY DISCREPANCIES ARE FOUND.
- COORDINATE ANY ROOF PENETRATION WITH OTHER TRADES. ALL ROOF PENETRATIONS SHALL BE PROPERLY SEALED IN ORDER TO PREVENT WATER LEAKAGE.
- 8. COORDINATE THE LOCATION, MOUNTING HEIGHT, AND ORIENTATION OF ALL ELECTRICAL DEVICES AND OUTLETS WITH ALL OTHER TRADES PRIOR TO ROUGH-IN AND/OR INSTALLATION.
- 9. REFER TO THE MECHANICAL DRAWINGS TO VERIFY EQUIPMENT REQUIRING SINGLE POINT CONNECTION. IF SINGLE POINT CONNECTION IS PRESENT, CONFIRM EXACT LOCATION OF CONNECTION WITH MANUFACTURER.
- 10. THE WIRING BETWEEN EQUIPMENT SHALL INDICATE THAT THE CONNECTED EQUIPMENT SHARE A COMMON CIRCUIT BREAKER. REFER TO THE EQUIPMENT CONNECTION SCHEDULE FOR THE CIRCUIT BREAKER SIZE, CIRCUIT SIZE, AND PANEL SOURCE IDENTIFICATION. THE CIRCUIT HOMERUN TO THE PANEL OR SUPPLY SOURCE SHALL BE MADE FROM THE MIDDLE OF THE CONNECTED EQUIPMENT, AS TO MINIMIZE THE VOLTAGE DROP. THE EQUIPMENT SHALL BE WIRED IN A MANNER IN WHICH EACH PIECE OF EQUIPMENT CAN BE DISCONNECTED INDEPENDENTLY FROM THE CIRCUIT WITHOUT AFFECTING ANY DOWNSTREAM OR UPSTREAM CONNECTED DEVICES/EQUIPMENT.
- 11. REFER TO THE MECHANICAL PLANS AND VERIFY WHICH EQUIPMENT REQUIRES A BAS CONNECTION. PROVIDE ALL NEW NECESSARY WIRING, CONDUIT, CONNECTIONS, AND TERMINATIONS FROM THE EQUIPMENT TO THE BUILDING AUTOMATION SYSTEM CONTROL PANEL. ALL WIRING SHALL BE IN CONDUIT.
- 12. DO NOT PENETRATE ANY EQUIPMENT UNIT HOUSINGS. PENETRATIONS SHALL ONLY BE ALLOWED IF MADE INTO THE EQUIPMENT MANUFACTURER'S PROVIDED KNOCK-OUTS OR OPENINGS.

EQUIPMENT POWER KEYED NOTES

- O1) PROVIDE POWER CONNECTION TO CARD READER ACCESS DOOR. VERIFY AND COORDINATE REQUIREMENTS.
- PROVIDE POWER CONNECTION TO MEDICAL GAS ALARM PANEL. VERIFY AND COORDINATE REQUIREMENTS.
- O3 PROVIDE POWER CONNECTION TO RANGE HOOD. VERIFY AND COORDINATE REQUIREMENTS.
- PROVIDE POWER CONNECTION TO FIRE/SMOKE DAMPER. VERIFY AND COORDINATE REQUIREMENTS.
- PROVIDE POWER CONNECTION TO MOTORIZED DAMPER. VERIFY AND COORDINATE REQUIREMENTS.
- PROVIDE POWER CONNECTION TO TERMINAL UNIT CONTROLS. VERIFY AND COORDINATE REQUIREMENTS.
- PROVIDE POWER CONNECTION TO AHU UV LIGHTS, MARINE LIGHTS, AND RECEPTACLE. VERIFY AND COORDINATE REQUIREMENTS.
- O8) PROVIDE POWER CONNECTION TO WON FIRE DOOR. VERIFY AND COORDINATE REQUIREMENTS.

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JOB NUMBER

PARTIAL FLOOR PLAN -**EQUIPMENT** POWER - AREA 1

09/06/2018

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PARTIAL FLOOR PLAN - EQUIPMENT POWER - AREA 1

1/8" = 1'-0"

RENOVATION LEGEND			
	SYMBOL	DESCRIPTION	
		EXISTING TO REMAIN "(E)"	
		RELOCATED "(R)"	
		NEW CONSTRUCTION	_

GENERAL EQUIPMENT POWER NOTES

- REFER TO THE GENERAL NOTES ON THE INFORMATION SHEET FOR ADDITIONAL INFORMATION.
- 2. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 3. REFER TO THE MECHANICAL AND/OR PLUMBING PLANS FOR EXACT EQUIPMENT LOCATIONS. EQUIPMENT LOCATIONS SHOWN ON THE ELECTRICAL PLANS ARE FOR REFERENCE ONLY.
- 4. ALL PANELBOARDS ARE EXISTING TO REMAIN UNLESS INDICATED OTHERWISE.
- 5. PROVIDE PERMANENT AFFIXED NAMEPLATES ON ALL ELECTRICAL EQUIPMENT ENCLOSURES OR HOUSINGS THAT ARE PART OF THE SCOPE OF WORK UNLESS NOTED OTHERWISE.
- 6. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED PER THE NEC REQUIRED CLEARANCES. THE WORKING/SPACE CLEARANCES SHALL BE AT A MINIMUM OF 4FT. IN FRONT OF THE EQUIPMENT AND 6FT. ABOVE (OR AS INDICATED PER THE NEC). PRIOR TO THE ELECTRICAL CONTRACTOR BID PROCESS, VERIFY THAT ALL ELECTRICAL CLEARANCES ARE MET BY OBTAINING THE EQUIPMENT DIMENSIONS FROM A MANUFACTURER AND GRAPHICALLY POSITION SCALED EQUIPMENT FIGURES INTO THE ELECTRICAL ROOMS DRAWINGS AND OTHER AREAS. CONSIDER ALL CEILING HEIGHT LIMITATIONS. PRIOR TO THE START OF ANY CONSTRUCTION, NOTIFY THE ENGINEER IN A WRITTEN MANNER IF ANY DISCREPANCIES ARE FOUND.
- COORDINATE ANY ROOF PENETRATION WITH OTHER TRADES. ALL ROOF PENETRATIONS SHALL BE PROPERLY SEALED IN ORDER TO PREVENT WATER LEAKAGE.
- 8. COORDINATE THE LOCATION, MOUNTING HEIGHT, AND ORIENTATION OF ALL ELECTRICAL DEVICES AND OUTLETS WITH ALL OTHER TRADES PRIOR TO ROUGH-IN AND/OR INSTALLATION.
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- 10. THE WIRING BETWEEN EQUIPMENT SHALL INDICATE THAT THE CONNECTED EQUIPMENT SHARE A COMMON CIRCUIT BREAKER. REFER TO THE EQUIPMENT CONNECTION SCHEDULE FOR THE CIRCUIT BREAKER SIZE, CIRCUIT SIZE, AND PANEL SOURCE IDENTIFICATION. THE CIRCUIT HOMERUN TO THE PANEL OR SUPPLY SOURCE SHALL BE MADE FROM THE MIDDLE OF THE CONNECTED EQUIPMENT, AS TO MINIMIZE THE VOLTAGE DROP. THE EQUIPMENT SHALL BE WIRED IN A MANNER IN WHICH EACH PIECE OF EQUIPMENT CAN BE DISCONNECTED INDEPENDENTLY FROM THE CIRCUIT WITHOUT AFFECTING ANY DOWNSTREAM OR UPSTREAM CONNECTED DEVICES/EQUIPMENT.
- 11. REFER TO THE MECHANICAL PLANS AND VERIFY WHICH EQUIPMENT REQUIRES A BAS CONNECTION. PROVIDE ALL NEW NECESSARY WIRING, CONDUIT, CONNECTIONS, AND TERMINATIONS FROM THE EQUIPMENT TO THE BUILDING AUTOMATION SYSTEM CONTROL PANEL. ALL WIRING SHALL BE IN CONDUIT.
- 12. DO NOT PENETRATE ANY EQUIPMENT UNIT HOUSINGS. PENETRATIONS SHALL ONLY BE ALLOWED IF MADE INTO THE EQUIPMENT MANUFACTURER'S PROVIDED KNOCK-OUTS OR OPENINGS.

EQUIPMENT POWER KEYED NOTES

- 01) PROVIDE POWER CONNECTION TO CARD READER ACCESS DOOR. VERIFY AND COORDINATE REQUIREMENTS.
- O2) PROVIDE POWER CONNECTION TO MEDICAL GAS ALARM PANEL. VERIFY AND COORDINATE REQUIREMENTS.
- 03) PROVIDE POWER CONNECTION TO RANGE HOOD. VERIFY AND COORDINATE REQUIREMENTS.
- 04) PROVIDE POWER CONNECTION TO FIRE/SMOKE DAMPER. VERIFY AND COORDINATE REQUIREMENTS.
- PROVIDE POWER CONNECTION TO MOTORIZED DAMPER. VERIFY AND COORDINATE REQUIREMENTS.
- PROVIDE POWER CONNECTION TO TERMINAL UNIT CONTROLS. VERIFY AND COORDINATE REQUIREMENTS.
- PROVIDE POWER CONNECTION TO AHU UV LIGHTS, MARINE LIGHTS, AND RECEPTACLE. VERIFY AND COORDINATE REQUIREMENTS.
- 08) PROVIDE POWER CONNECTION TO WON FIRE DOOR. VERIFY AND COORDINATE REQUIREMENTS.

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DATE		00/06/2010

PARTIAL FLOOR PLAN -**EQUIPMENT**

POWER - AREA 2

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PARTIAL FLOOR PLAN - EQUIPMENT POWER - AREA 2

1/8" = 1'-0"

Plan North

RENOVATION LEGEND	
SYMBOL	DESCRIPTION
	EXISTING TO REMAIN "(E)"
_	RELOCATED "(R)"
	NEW CONSTRUCTION

SPECIAL SYSTEMS COORDINATION

THE INTENT OF THIS DRAWING IS TO PROVIDE THE CONTRACTOR WITH AN APPROXIMATE LAYOUT AND ESTIMATION OF THE QUANTITY OF BOXES FOR SPECIAL SYSTEMS DEVICES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL FIRE ALARM & NURSE CALL COMPONENTS, QUANTITIES & LOCATIONS WITH THE OWNER'S PREFERRED VENDORS. CONTRACTOR SHALL UPDATE THEIR BACKBOX/CONDUIT QUANTITIES AFTER COORDINATING WITH VENDORS AND INCLUDE CORRECT QUANTITIES IN BID. REFER TO GENERAL SPECIAL SYSTEMS NOTES.

GENERAL SPECIAL SYSTEMS NOTES

- 1. ALL SPECIAL SYSTEMS BOXES, SLEEVES & CONDUIT ARE PART OF THIS
- 2. PROVIDE BOXES & 1-INCH CONDUIT WITH CONNECTOR & BUSHING TO ACCESSIBLE LOCATION ABOVE THE CEILING. PROVIDE A PULL STRING IN EACH CONDUIT AND TIE OFF PULL STRING ABOVE CEILING. FOR FLOOR OUTLETS, PROVIDE 1-INCH CONDUIT TO ACCESSIBLE LOCATION ABOVE THE CEILING ON THE FLOOR SERVED BY THE OUTLET.
- DATA/COMMUNICATION/PHONE & SECURITY/ACCESS CONTROL: CONTRACTOR SHALL ONLY PROVIDE BOXES, SLEEVES & CONDUIT AS DESCRIBED ABOVE IN NOTE 2. CABLING, DEVICES & INSTALLATION ARE OWNER FURNISHED & OWNER INSTALLED AND WILL NOT BE PART OF THIS CONTRACT.
- FIRE ALARM & NURSE CALL: CABLING, DEVICES AND INSTALLATION ARE TO BE SUBCONTRACTED (AS PART OF THIS CONTRACT) TO THE OWNER'S PREFERRED SPECIAL SYSTEMS VENDOR. PROVIDE BOXES, SLEEVES AND CONDUIT AS DESCRIBED ABOVE IN NOTE 2. VERIFY AND COORDINATE.

9	SPECIAL SYSTEMS SYMBOL LEGEND				
MBOL	DESCRIPTION				
∇	COMMUNICATIONS DATA/PHONE OUTLET.				
(P)	COMMUNICATIONS TELEVISION OUTLET.				
<u>s</u>	COMMUNICATIONS SPEAKER.				
WAP	COMMUNICATIONS WIRELESS ACCESS POINT.				
FACP	FIRE ALARM CONTROL PANEL.				
FAA	FIRE ALARM ANNUNCIATOR PANEL.				
P	FIRE ALARM PULL STATION.				
×	FIRE ALARM STROBE.				
X 4	FIRE ALARM COMBINATION HORN/STROBE.				
(SD)	FIRE ALARM SMOKE DETECTOR.				
<u> </u>	FIRE ALARM DUCT MOUNTED SMOKE DETECTOR.				
RTS	FIRE ALARM REMOTE TEST SWITCH.				
HD	FIRE ALARM HEAT DETECTOR. FIRE ALARM MAGNETIC DOOR HOLDER. NURSE CALL MASTER.				
MH					
NCM					
NTC	NURSE CALL TERMINAL CABINET.				
X	NURSE CALL DOME LIGHT. 1900 BOX WITH SINGLE GANG TRIM & 1" CONDUIT.				
※	NURSE CALL ZONE LIGHT. 1900 BOX WITH SINGLE GANG TRIM & 1" CONDUIT.				
�	NURSE CALL SINGLE BED PATIENT STATION. 3-GANG & 1" CONDUIT.				
(3)	NURSE CALL CODE BLUE STATION. 1—GANG & 1" CONDUIT.				
�	NURSE CALL EMERGENCY PULL STATION. 1-GANG & 1" CONDUIT.				
\$	NURSE CALL DUTY STATION. 3-GANG & 1" CONDUIT.				
REX	SECURE ACCESS REQUEST TO EXIT.				
CR	SECURE ACCESS CARD READER.				



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PARTIAL FLOOR PLAN - SPECIAL SYSTEMS - AREA 1

09/06/2018

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1/8" = 1'-0"

PARTIAL FLOOR PLAN - SPECIAL SYSTEMS - AREA 1

RENOVATION LEGEND		
SYMBOL	DESCRIPTION	
	EXISTING TO REMAIN "(E)"	
_	RELOCATED "(R)"	
	NEW CONSTRUCTION	

SPECIAL SYSTEMS COORDINATION

THE INTENT OF THIS DRAWING IS TO PROVIDE THE CONTRACTOR WITH AN APPROXIMATE LAYOUT AND ESTIMATION OF THE QUANTITY OF BOXES FOR SPECIAL SYSTEMS DEVICES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL FIRE ALARM & NURSE CALL COMPONENTS, QUANTITIES & LOCATIONS WITH THE OWNER'S PREFERRED VENDORS. CONTRACTOR SHALL UPDATE THEIR BACKBOX/CONDUIT QUANTITIES AFTER COORDINATING WITH VENDORS AND INCLUDE CORRECT QUANTITIES IN BID. REFER TO GENERAL SPECIAL SYSTEMS NOTES.

GENERAL SPECIAL SYSTEMS NOTES

- 1. ALL SPECIAL SYSTEMS BOXES, SLEEVES & CONDUIT ARE PART OF THIS
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- <u>DATA/COMMUNICATION/PHONE & SECURITY/ACCESS CONTROL:</u>
 CONTRACTOR SHALL ONLY PROVIDE BOXES, SLEEVES & CONDUIT AS DESCRIBED ABOVE IN NOTE 2. CABLING, DEVICES & INSTALLATION ARE OWNER FURNISHED & OWNER INSTALLED AND WILL NOT BE PART OF THIS CONTRACT.
- FIRE ALARM & NURSE CALL: CABLING, DEVICES AND INSTALLATION ARE TO BE SUBCONTRACTED (AS PART OF THIS CONTRACT) TO THE OWNER'S PREFERRED SPECIAL SYSTEMS VENDOR. PROVIDE BOXES, SLEEVES AND CONDUIT AS DESCRIBED ABOVE IN NOTE 2. VERIFY AND COORDINATE.

	SPECIAL SYSTEMS SYMBOL LEGEND		
SYMBOL	DL DESCRIPTION		
∇	COMMUNICATIONS DATA/PHONE OUTLET.		
\bigcirc	COMMUNICATIONS TELEVISION OUTLET.		
S	COMMUNICATIONS SPEAKER.		
WAP	COMMUNICATIONS WIRELESS ACCESS POINT.		
FACP	FIRE ALARM CONTROL PANEL.		
FAA	FIRE ALARM ANNUNCIATOR PANEL.		
P	FIRE ALARM PULL STATION.		
×	FIRE ALARM STROBE.		
\	FIRE ALARM COMBINATION HORN/STROBE.		
(SD)	FIRE ALARM SMOKE DETECTOR.		
<u>sp—</u>	FIRE ALARM DUCT MOUNTED SMOKE DETECTOR.		
RTS	FIRE ALARM REMOTE TEST SWITCH.		
HD	FIRE ALARM HEAT DETECTOR.		
MH	FIRE ALARM MAGNETIC DOOR HOLDER.		
NCM	NURSE CALL MASTER.		
NTC	NURSE CALL TERMINAL CABINET.		
X	NURSE CALL DOME LIGHT. 1900 BOX WITH SINGLE GANG TRIM & 1" CONDUIT.		
×	NURSE CALL ZONE LIGHT. 1900 BOX WITH SINGLE GANG TRIM & 1" CONDUIT.		
♦	NURSE CALL SINGLE BED PATIENT STATION. 3-GANG & 1" CONDUIT.		
()	NURSE CALL CODE BLUE STATION. 1-GANG & 1" CONDUIT.		
NURSE CALL EMERGENCY PULL STATION. 1-GANG & 1" CONDUIT. NURSE CALL DUTY STATION. 3-GANG & 1" CONDUIT.			
			REX
CR	SECURE ACCESS CARD READER.		



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PARTIAL FLOOR

PLAN - SPECIAL SYSTEMS - AREA 2

09/06/2018

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PARTIAL FLOOR PLAN - SPECIAL SYSTEMS - AREA 2

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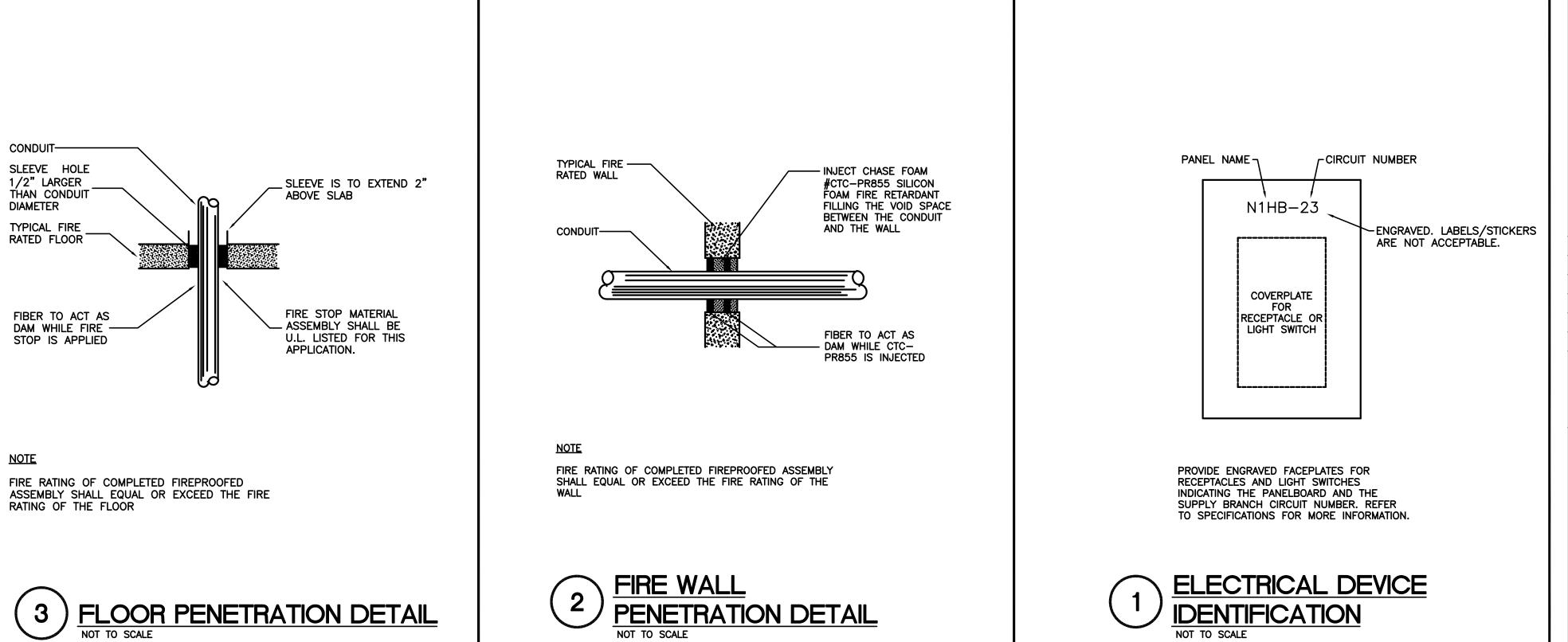
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DATE	09/06/2018		
JOB N	JOB NUMBER 18302		
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DETAILS -**ELECTRICAL**

SHEET

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PLUMBING DEMOLITION NOTES

- 1. CONTRACTOR SHALL REMOVE EXISTING SERVICES SUCH AS WATER, WASTE & VENT PIPING SERVING FIXTURES AND/OR CONNECTIONS TO EQUIPMENT WHICH ARE SHOWN ON THE DRAWINGS TO BE REMOVED OR RELOCATED. PERMANENTLY SEAL AND CAP SERVICES NEXT TO MAIN SERVICE LINES ABOVE CEILINGS, IN WALLS, OR BELOW FLOORS UNLESS NOTED OTHERWISE. EXISTING PLUMBING FIXTURES AND RELATED ITEMS WHICH ARE TO BE REMOVED SHALL BE SUBMITTED TO THE OWNER. ITEMS THE OWNER WISHES TO RETAIN SHALL BE DELIVERED TO STORAGE WHERE DIRECTED BY OWNER. ITEMS THE OWNER DOES NOT WISH TO REMAIN SHALL BE LEGALLY DISPOSED OF.
- 2. TEMPORARY SHUTDOWN OF EQUIPMENT AND SERVICES THAT ARE ASSOCIATED WITH THIS SCOPE OF OF WORK SHALL BE COORDINATED WITH THE OWNER PRIOR TO THE SHUTDOWN. PROVIDE OWNER WITH ESTIMATED DURATION OF SHUT DOWN.
- 3. CONTRACTOR SHALL ENSURE NO DOMESTIC COLD AND/OR HOT WATER DEAD LEGS EXIST WITHIN SCOPE OF PLUMBING DEMOLITION.
- 4. EXISTING FIXTURES, EQUIPMENT, SERVICES, AND CONNECTIONS SHALL BE VERIFIED FOR EXACT LOCATIONS AND SIZE. IF DEVIATIONS ARE FOUND, CONTRACTOR SHALL BRING THEM TO THE ARCHITECT'S ATTENTION FOR COORDINATION.
- 5. EXISTING FIXTURES, EQUIPMENT, SERVICES, AND CONNECTIONS WHICH ARE DAMAGED DURING CONSTRUCTION SHALL BE REWORKED OR REPLACED AS REQUIRED TO PROVIDE ORIGINAL OPERATION.
- 6. PENETRATIONS THROUGH EXISTING PARTITIONS AND FLOORS SHALL BE SLEEVED AND SEALED TO MAINTAIN RATING OF EXISTING PARTITION AND FLOOR RATING.
- 7. EXISTING PLUMBING SERVICES NOT SHOWN ON DRAWINGS SHALL REMAIN AS IS UNLESS NOTED OTHERWISE.
- 8. CONTRACTOR SHALL COORDINATE THE INTERRUPTION OF EXISTING SERVICES WITH THE OWNER PRIOR TO START OF DEMOLITION WORK.

PIPING MATERIALS SCHEDULE				
PLUMBING SYSTEM	PLUMBING MATERIAL DESCRIPTION			
SANITARY DRAIN PIPING	STANDARD WEIGHT CAST IRON PIPE, W/ NO-HUB JOINTS (ABOVE SLAB)			
VENT PIPING	STANDARD WEIGHT CAST IRON PIPE, W/ NO-HUB JOINTS (ABOVE SLAB)			
DOMESTIC WATER PIPING	TYPE 'L' COPPER TUBING, W/ WROUGHT COPPER FITTINGS			
MEDICAL GAS PIPING	TYPE 'K' COPPER TUBING, W/ BRAZED WROUGHT COPPER FITTINGS			
FIRE PROTECTION PIPING	SCHEDULE 40 BLACK STEEL PIPE ,W/ CAST IRON FITTINGS			

S	SHOCK ARRESTOR SCHEDULE							
P.D.I. SYMBOL	FIXTURE UNITS	SIZE	MODEL NUMBER*					
\Diamond	1-11	1/2" NPT	SC-500					
B	12-32	3/4" NPT	SC-750					
\Diamond	33–60	1" NPT	SC-1000					
©	61-113	1 1/4" NPT	SC-1250					
E	114-154	1 1/2" NPT	SC-1500					
F	155-330	2" NPT	SC-2000					

NOTES:

1. ALL FIXTURE WATER SUPPLIES SHALL BE INSTALLED WITH APPROPRIATELY SIZED ARRESTORS IN COMPLIANCE WITH MANUFACTURER'S INSTALLATION RECOMMENDATIONS.

NOTICE TO CONTRACTORS

HCA MAINTAINS PURCHASING AGREEMENTS FOR ZURN AND ELKAY PLUMBING PRODUCTS. CONTRACTORS SHALL CONTACT HCA'S PREFERRED DISTRIBUTOR TO OBTAIN ALTERNATIVE COMPETITIVE PRICING.
FERGUSON ENTERPRISES, INC.
ATTN: ALTON LASSITER OR BEN FAULK
ALTONLASSITER@FERGUSON.COM
BENFAULK@FERGUSON.COM
PHONE 615-316-1800
FAX 615-885-4944
VENDOR REFERENCE #994645
CONTACT #5999

PLUMBING SYMBOLS			
SP	SPRINKLER PIPE		
D	DRAIN PIPING		
DSP	DRY SPRINKLER PIPE		
F	FIRE LINE		
PA	PRE-ACTION SPRINKLER PIPE		
G	NATURAL GAS PIPING		
GW	GREASE WASTE ABOVE SLAB GREASE WASTE BELOW SLAB		
——————————————————————————————————————	STORM OVER FLOW DRAIN		
P	PROPANE GAS PIPING		
PSS			
PSD	PUMPED STORM SEWER		
sp	STORM DRAIN ABOVE SLAB		
sD	STORM DRAIN BELOW SLAB		
SP	SPRINKLER LINE		
w	SANITARY SEWER ABOVE SLAB		
w	SANITARY SEWER BELOW SLAB		
SV	SANITARY VENT		
	COLD WATER HOT WATER		
	HOT WATER HOT WATER RETURN		
sw	SOFTENED WATER		
RO	REVERSE OSMOSIS		
DI	DEIONIZED WATER		
	DIRECTION OF FLOW		
	DIRECTION OF SLOPE DOWN		
	DROP IN PIPE		
	RISE IN PIPE		
——————————————————————————————————————	SHUT-OFF VALVE SHUT-OFF VALVE		
	CHECK VALVE		
	SUPERVISED VALVE WITH FLOW SWITCH		
——————————————————————————————————————	PLUG VALVE / GAS COCK		
——————————————————————————————————————	BUTTERFLY VALVE		
	BALANCING VALVE		
——————————————————————————————————————	PIPE UNION		
	PRESSURE CONTROL VALVE		
—————————————————————————————————————	3-WAY VALVE SOLENOID VALVE		
厚	FLOW SWITCH		
Q T	PRESSURE GAUGE WITH GAUGE COCK		
	THERMOMETER		
(®) (RD)	ROOF DRAIN / OVERFLOW DRAIN		
	FLOOR DRAIN		
□ (FS)	FLOOR SINK		
<u></u>	T & P RELIEF VALVE		
CO I	STRAINER END OF LINE CLEANOUT		
FC0 Ø———	FLOOR CLEANOUT		
wco ı	WALL CLEANOUT		
	CAP		
C/C	CUT/CAP		
XXX	FLEXIBLE CONNECTION		
	NEW CONNECTION TO EXISTING		
./•	DEMO EXISTING PIPING TO THIS POINT		
 			
(N)	NEW ITEMS		
(E)	EXISTING ITEMS		
(R)	RELOCATED ITEMS		
(D)	ITEMS TO BE REMOVED		
—— А ———	MEDICAL AIR		
AI	MEDICAL AIR INTAKE		
0	OXYGEN		
V	MEDICAL VACUUM		
VEX	MEDICAL VACUUM EXHAUST WASTE ANESTHETIC GAS DISPOSAL		
	NITROGEN		
N20	NITROUS OXIDE		
CO2	CARBON DIOXIDE		
CA	COMPRESSED AIR		

COPPER TUBING TO ALARM SENSORS

PLUMBING SYMBOLS

PLUMBING GENERAL NOTES

- OBTAIN ALL NECESSARY PERMITS, AND COMPLY WITH ALL NATIONAL, STATE AND MUNICIPAL LAWS, CODES AND ORDINANCES RELATING TO BUILDING AND PUBLIC SAFETY.
- 2. PROTECT EQUIPMENT AND WORK FROM DAMAGE DURING HANDLING AND INSTALLATION UNTIL COMPLETION OF CONSTRUCTION.
- 3. REMOVE ALL EXCESS MATERIAL AND DEBRIS AND CLEAN ALL EQUIPMENT UPON COMPLETION OF WORK. TOUCH UP WITH PAINT WHERE REQUIRED.
- 4. ALL SYSTEMS SHALL BE COMPLETE AND WORKING AT COMPLETION OF CONSTRUCTION.
- 5. CONTRACTOR SHALL VISIT JOB SITE AND VERIFY SIZE AND LOCATION OF ALL EXISTING ITEMS AND CONDITIONS.
- 6. ALL CONNECTIONS BETWEEN PIPES OF DISSIMILAR MATERIALS SHALL BE MADE WITH DIELECTRIC UNIONS. PROVIDE ACCESS PANELS WHERE REQUIRED.
- 7. COORDINATE INSTALLATION OF WATER, WASTE, VENT, AND MEDICAL GAS PIPING WITH OTHER TRADES TO AVOID SPACING AND/OR ROUTING CONFLICTS.
- 8. CONTRACTOR SHALL COORDINATE ALL WORK CLOSELY WITH EXISTING TO REMAIN AND NEW MECHANICAL AND ELECTRICAL ITEMS.
- 9. SUBMIT SHOP DRAWINGS OF PROPOSED NEW DEVICES PRIOR TO INSTALLATION.
- 10. FIXTURES, EQUIPMENT AND CONNECTIONS, AND PIPING SHALL BE FURNISHED AND INSTALLED TO MEET OR EXCEED STATE AND LOCAL CODES AND REQUIREMENTS.
- 11. FURNISH AND INSTALL SHOCK ARRESTORS IN COLD WATER LINES AT CONNECTIONS TO FLUSH VALVES AND QUICK CLOSING VALVES AND AT ALL HOT AND COLD WATER
- CONNECTIONS TO FIXTURES.

 12. DRAWINGS ARE SCHEMATIC IN NATURE. CONTRACTOR IS RESPONSIBLE FOR COORDINATING EXACT ROUTING OF ALL SERVICES WITH EXISTING CONDITIONS AND WITH ALL OTHER
- 13. ALL PROPOSED SAWCUT LOCATIONS THROUGH EXISTING FLOOR SLAB ARE TO BE COORDINATED WITH AND APPROVED BY THE OWNER PRIOR TO SAWCUTTING.
- 14. ALL MEDICAL GAS IN-LINE SERVICE VALVES SHALL BE LOCKABLE.
- 15. CONTRACTOR SHALL NOTIFY OWNER OF ANY REQUIRED SHUT DOWNS AND COORDINATE THESE WITH OWNER. DOWNTIME SHALL BE HELD TO A MINIMUM.
- 16. PIPING USED IN THE FINAL CONNECTION OF APPLIANCES (BETWEEN THE SHUTOFF VALVE AND THE APPLIANCE), SUCH AS ICE MACHINES, COFFEE MAKERS, WATER DISPENSERS, SHALL BE SOFT TEMPER (MALLEABLE), TYPE "L" COPPER WITH COMPRESSION FITTINGS. THE USE OF NYLON OR OTHER PLASTIC TUBING FOR THESE CONNECTIONS IS NOT ALLOWED.

FIRE PROTECTION NOTES

- 1. THE SPRINKLER CONTRACTOR SHALL MODIFY THE EXISTING AUTOMATIC SPRINKLER SYSTEM INFRASTRUCTURE FOR THE RENOVATION TO FULLY SPRINKLE THE ENTIRE PROJECT SCOPE. CONTRACTOR SHALL CONFIRM SPRINKLER HEAD STYLES WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. SYSTEM DESIGN, INSTALLATION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY OF HOUSTON BUILDING CODE, NFPA 13, AND ALL AUTHORITIES HAVING JURISDICTION.
- 2. THE ENTIRE RENOVATION SHALL BE FURNISHED WITH A 100% HYDRAULICALLY CALCULATED AUTOMATIC WET PIPE SPRINKLER SYSTEM. SYSTEM(S) SHALL BE HYDRAULICALLY CALCULATED UTILIZING DESIGN DENSITIES AND REMOTE AREA AS RECOMMENDED BY NFPA. ALL SPRINKLER HEADS SHALL BE QUICK RESPONSE TYPE.
- 3. PROVIDE CONCEALED CEILING SPRINKLER HEADS WITH FACTORY FINISH IN PUBLIC AREAS AND AREAS VISIBLE TO STAFF AND PATIENTS WITH FINISHED CEILINGS.
- 4. PROVIDE SEMI-RECESSED OR PENDANT TYPE SPRINKLER HEADS AS APPROPRIATE IN STORAGE AND BACK OF HOUSE AREAS.
- 5. SPRINKLER HEADS SHALL BE CENTERED IN TWO DIRECTIONS IN CEILING TILES.
- 6. ALL MATERIALS AND EQUIPMENT SHALL BE FM APPROVED AND UL LISTED.
- 7. SPRINKLER SHOP DRAWINGS AND HYDRAULIC CALCULATIONS PREPARED BY A LICENSED SPRINKLER CONTRACTOR SHALL BE SUBMITTED TO THE OWNER, ARCHITECT, OWNERS INSURING AGENCY, AND ALL REQUIRED AUTHORITIES HAVING JURISDICTION FOR REVIEW AND APPROVAL. SUBMITTED SHOP DRAWINGS AND CALCULATIONS SHALL BEAR THE APPROVAL STAMP OF ALL REQUIRED REVIEWING AUTHORITIES.
- 8. COORDINATE SPRINKLER PIPING INSTALLATION WITH ALL OTHER TRADES.
- 9. COORDINATE SPRINKLER PIPING WITH NEW INSTALLATION OF DUCTWORK, CEILINGS AND LIGHT FIXTURES.
- 10. VISIT JOB SITE PRIOR TO SUBMISSION OF BID TO DETERMINE ALL EXISTING CONDITIONS AND HOW THEY WILL RELATE WITH THE NEW CONSTRUCTION.

DRAWING INDEX				DATE AND BE U
NUMBER	DRAWING TITLE			BE U
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P0.01	SCHEDULE SHEET - PLUMBING			
P1.01	DEMOLITION PLAN — PLUMBING	-		
P2.00	UNDER FLOOR PLAN — PLUMBING			
P2.01	FLOOR PLAN - PLUMBING			
P2.02	ENLARGED FLOOR PLANS — PLUMBING			
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P2.04	ENLARGED FLOOR PLANS — PLUMBING		Shee	t Informa
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P3.01	FLOOR PLAN — MED GAS AND FIRE PROTECTION		-	
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P5.01	RISERS — PLUMBING	(SHE	ΞΕΤ

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Sheet Information

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JOB NUMBER 18302

INFORMATION SHEET - PLUMBING

SHEET

TITLE

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	ZONE VALVE BOX SCHEDULE						
SYMBOL	DESCRIPTION & LOCATION	OXYGEN	AIR	VACUUM	NITROUS OXIDE	NITROGEN	WAGD
<u>⟨ZVB−1</u> ⟩	WALL MOUNTED RECESSED ZONE VALVE BOX SERVES PATIENT ROOMS, PROVIDE BEACON MEDAES AS REQUIRED OR EQUAL. PRESSURE/VACUUM SENSORS SHALL BE LOCATED IN ZONE VALVE BOX. REFER TO ARCHITECT FOR EXACT LOCATION AND ELEVATION.	3/4"	ı	1-1/4"	-	-	-
⟨ ZVB −2⟩	WALL MOUNTED RECESSED ZONE VALVE BOX TO SERVE PATIENT ROOMS, PROVIDE BEACON MEDAES AS REQUIRED OR EQUAL. PRESSURE/VACUUM SENSORS SHALL BE LOCATED IN ZONE VALVE BOX. REFER TO ARCHITECT FOR EXACT LOCATION AND ELEVATION.	3/4"	I	1-1/4"	_	-	_
<u>⟨ZVB−3</u> ⟩	WALL MOUNTED RECESSED ZONE VALVE BOX TO SERVE PATIENT ROOMS, GYM AND DINING ROOM. PROVIDE BEACON MEDAES AS REQUIRED OR EQUAL. PRESSURE/VACUUM SENSORS SHALL BE LOCATED IN ZONE VALVE BOX. REFER TO ARCHITECT FOR EXACT LOCATION AND ELEVATION.	1/2"	-	3/4"	_	-	-

	MEDICAL GAS EQUIPMENT SCHEDULE							
SYMBOL	DESCRIPTION & LOCATION	QUANTITY						
STWIDOL	BESCHII HON & ECONHON	02	AIR	VAC	SLIDE	WAGD	N2	N20
(MGO-1)	WALL MOUNTED MED GAS OUTLET. PROVIDE BEACONMEADES OR APPROVED EQUAL, DIAMOND III/GEMINI STYLE WALL MOUNTED SERVICE OUTLET. ASSEMBLY TO BE WHERE SHOWN ON PLANS, REFER TO ARCHITECT FOR EXACT LOCATION AND ELEVATION. COORDINATE OUTLET MANUFACTURER, TYPE WITH OWNER/ARCHITECT PRIOR TO SUBMITTAL AND PURCHASE.	1	_	1	1	_	ı	_
⟨M GO−2 ⟩	WALL MOUNTED MED GAS OUTLET. PROVIDE BEACONMEADES OR APPROVED EQUAL, DIAMOND III/GEMINI STYLE WALL MOUNTED SERVICE OUTLET. ASSEMBLY TO BE WHERE SHOWN ON PLANS, REFER TO ARCHITECT FOR EXACT LOCATION AND ELEVATION. COORDINATE OUTLET MANUFACTURER, TYPE WITH OWNER/ARCHITECT PRIOR TO SUBMITTAL AND PURCHASE.	1	_	_	_	1	-	_
(MP-1)	WALL MOUNTED RECESSED AREA ALARM PANEL. PANEL SHALL HAVE A LCD TOUCH SCREEN DISPLAY FOR EACH GAS SERVICE WITH THE CAPABILITY TO MONITOR 16 GASES. PANEL SHALL HAVE A MINIMUM OF 16 INPUTS. PANEL TO BE LOCATED WHERE SHOWN ON PLANS, REFER TO ARCHITECT FOR EXACT LOCATION AND ELEVATION. COORDINATE OUTLET MANUFACTURER, TYPE WITH OWNER/ARCHITECT PRIOR TO SUBMITTAL AND PURCHASE.	1	_	1	_	_	-	-

	PLUMBING FIXTURE SCHEDULE					
ID	ITEM	MANUFACTURER/ MODEL NO.	FIXTURE SERVICE	REMARKS		
⟨WC-1⟩	WATER CLOSET FLOOR MOUNTED FLUSH VALVE BARRIER-FREE (ADA)	AMERICAN STANDARD MODEL NO. 3248.001 "RIGHT WIDTH" FLOWISE ELONGATED "RIGHT HEIGHT" FLOOR MOUNTED FLOOR OUTLET VITREOUS CHINA WATER CLOSET, 1.6 GALLON FLUSH HET (HIGH EFFICIENT TOILET), W/RIM @ 17" AFF, BED PAN LUGS. CHURCH NO. 9500C WHITE OPEN FRONT SEAT .SLOAN FLUSH VALVE #BPW1150-1.6, 1.6 GPF, BEDPAN WASHER, VANDAL RESISTANT CAP, 1 1/2" TOP SPUD.	1" CW 4" WASTE 2" VENT	RE: ARCHITECTURAL DRAWINGS FOR EXACT LOCATION. FLUSH HANDLE SHALL BE ON ACCESIBLE SIDE OF FIXTURE.		
⟨WC-2⟩	WATER CLOSET FLOOR MOUNTED FLUSH VALVE BARRIER-FREE (ADA)	AMERICAN STANDARD MODEL NO. 3043.001 "RIGHT WIDTH" FLOOR MOUNTED WATER CLOSET, 1.28 GALLON FLUSH HET, W/RIM @ 17" AFF, SLOAN ROYAL MODEL NO. 111-1.28 FLUSH HET (HIGH EFFICIENT TOILET), 1-1/2" TOP SPUD CHURCH NO. 9500C WHITE OPEN FRONT SEAT.	1" CW 4" WASTE 2" VENT	RE: ARCHITECTURAL DRAWINGS FOR EXACT LOCATION. FLUSH HANDLE SHALL BE ON ACCESIBLE SIDE OF FIXTURE.		
(L-1)	LAVATORY WALL HUNG BARRIER-FREE (ADA) WRISTBLADE HANDLES GOOSENECK SPOUT	AMERICAN STANDARD MODEL NO. 0958.008EC MURRO LAVATORY, 8" CENTERS, MODEL NO. 0059.020EC SHROUD. FURNISH W/JAY R. SMITH #0710 FLOOR-MOUNTED LAVATORY SUPPORT W/CONCEALED ARMS. CHICAGO FAUCET NO. 786-GN2FCJKCP WITH PLAIN END SPOUT, RIGID MOUNT. TRIM:MCGUIRE #155WC GRID DRAIN WITH 1 1/4" TAILPIECE, OFFSET FOR WHEELCHAIR USE, #8872 - 1 1/4" P-TRAP, #H-2165 SUPPLY STOPS.	1/2" CW 1/2" HW 2" WASTE 2" VENT	RIGID MTD GOOSENECK SPOUT W/INTEGRAL 0.5 GPM LAMINAR FLOW CONTROL, INSTALL TRAP, STOPS AND SUPPLIES WITHIN SHROUD; PRE—FABRICATED INSULATION ON WATER LINES AND P—TRAP: BROCAR PRODUCTS, INC., TRAP WRAP TRUE BRO, INC., HANDI LAV GUARD, MCGUIRE PRO—WRAP. REFERENCE ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING HEIGHT.		
(L-2)	LAVATORY INTEGRAL W/COUNTER WRISTBLADE HANDLES GOOSENECK SPOUT	FIXTURE: INTEGRAL WITH COUNTERTOP, FAUCET: CHICAGO FAUCET NO. 786-GN2FCJKCP WITH PLAIN END SPOUT, RIGID MOUNT, MCGUIRE NO. 1000-WC,1 1/4" TAILPIECE, OFFSET FOR WHEELCHAIR USE, #8872 1-1/4" P-TRAP, #H-2165 SUPPLY STOPS.	1/2" CW 1/2" HW 2" WASTE 2" VENT	PRE-FABRICATED INSULATION ON WATER LINES AND P-TRAP: BROCAR PRODUCTS, INC., TRAP WRAP TRUE BRO, INC., HANDI LAV GUARD, MCGUIRE PRO-WRAP.		
(L-3)	LAVATORY SELF RIMMING BARRIER-FREE WRISTBLADE HANDLES GOOSENECK SPOUT (PATIENT)	AMERICAN STANDARD MODEL NO. 0475.020 AQUALYN VITREOUS CHINA DROP-IN SINK. CHICAGO FAUCET NO. 786-GN2FCJKCP WITH PLAIN END SPOUT, RIGID MOUNT. TRIM: MCGUIRE #155WC GRID DRAIN W/1 1/4" TAILPIECE, OFFSET FOR WHEELCHAIR USE, #8872 - 1 1/4" P-TRAP, #H-2165 SUPPLY STOPS. PROVIDE LEONARD MODEL NO. 270-LF POINT OF USE MIXING VALVE SET AT 110 DEG F.	1/2" CW 1/2" HW 2" WASTE 2" VENT	RIGID MTD 5 1/4" GOOSENECK SPOUT W/INTEGRAL 1.5 GPM LAMINAR FLOW CONTROL; PRE-FABRICATED INSULATION ON WATER LINES AND P-TRAP: BROCAR PRODUCTS, INC., TRAP WRAP TRUE BRO, INC., HANDI LAV GUARD, MCGUIRE PRO-WRAP. REFERENCE ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING HEIGHT.		
⟨SK-1⟩	SINGLE COMPARTMENT SINK GOOSENECK SPOUT WRISTBLADE HANDLES BARRIER FREE (ADA)	ELKAY MODEL LRAD2219, 18 GAUGE STAINLESS STEEL SELF-RIMMING SINK, REAR-CENTER DRAIN, 6" DEEP. FAUCET: CHICAGO FAUCET NO. 786-GN2FCJKCP WITH PLAIN END SPOUT, RIGID MOUNT. TRIM: MCGUIRE NO. 151A DRAIN WITH 1 1/2" TAILPIECE, #1151AWC, WITH OFFSET #8089 P-TRAP, #H-2165 SUPPLY STOPS.	1/2" CW 1/2" HW 2" WASTE 2" VENT	SINGLE COMPARTMENT SINK 18" X 14" X 6"DEEP I.D. RIGID MTD 5 1/4" GOOSENECK SPOUT W/INTEGRAL 1.5 GPM LAMINAR FLOW CONTROL.		
⟨SK-2⟩	DOUBLE COMPARTMENT SINK STAFF 10" SWING SPOUT WRISTBLADE HANDLES BARRIER FREE	ELKAY MODEL NO. LRAD3319, 18 GAUGE STAINLESS STEEL SELF-RIMMING SINK, REAR-CENTER DRAINS. FAUCET: ELKAY MODEL NO. LK800HA10T4, 10" SWING SPOUT, 4"WRISTBLADE HANDLES, QUARTER TURN CARTRIDGES, 1.5 GPM FLOW RESTRICTION INSERT. TRIM: MCGUIRE NO. 151A DRAINS WITH 1 1/2" TAILPIECES, #111-1 1/2" CONTINUOUS WASTE, #8089 P-TRAP, #H-2165 SUPPLY STOPS. 1-1/2" P-TRAP.	1/2" CW 1/2" HW 2" WASTE 2" VENT	DOUBLE COMPARTMENT SINK 28"X22"X6"DEEP. RIGID/SWING GOOSENECK W/INTEGRAL 1.6 GPM LAMINAR FLOW. PRO-WRAP (OR EQUAL) TRAP WRAP KIT.		
⟨SH−1⟩	SHOWER PATIENT ROOMS BARRIER FREE TAS COMPLIANT	SHOWER ENCLOSURE SYSTEM TO BE PROVIDED BY GENERAL CONTRACTOR AND INSTALLED BY PLUMBING CONTRACTOR. RE: ARCHITECTURAL DRAWINGS. TRIM:SYMMONS VISU-TEMP SHOWER VALVE MODEL NO. 4-5000VT-X PRESSURE BALANCING MIXING VALVE WITH CLEAR-VUE THERMOMETER AND ADJUSTABLE STOP SCREW TO LIMIT HANDLE TURN, ADJUST STOP SCREW FOR MAXIMUM 105 DEG. F. HOT WATER. SYMMONS NO. T-600B-36-V-2.0-QD WALL MOUNTED 36" GRAB/SLIDE BAR FOR HAND SHOWER MOUNTING, QUICK DISCONNECT FEATURE, #ADAHS HAND SHOWER WAND WITH NON-POSITIVE SHUT OFF. JAY R. SMITH MODEL NO. 220-10 SHOWER DRAIN W/ ROUND CHROME PLATED STRAINER.	1/2" CW 1/2" HW 2" WASTE 2" VENT	2.0 GPM, 60 INCH FLEXIBLE METAL HOSE, IN-LINE VACUUM BREAKER, 90 DEGREE WATER SUPPLY ELBOW.		
(BT−1)	BATH TUB/SHOWER ENAMELED STEEL BARRIER FREE	AMERICAN STANDARD #0255.202 ENAMELED STEEL, ONE PIECE TUB WITH SLIP RESISTANT STANDING AREA SURFACE. AMERICAN STANDARD #1583.002 UNIVERSAL BATH DRAIN, POLISHED CHROME PLATED.	1/2" CW 1/2" HW 2" WASTE 2" VENT	SYMMONS VISU-TEMP MODEL NO. 1-3170VT-H401-V-X-3/4-QD-B30 PRESSURE BALANCING MIXING VALVE WITH CLEAR-VUE THERMOMETER AND ADJUSTABLE STOP SCREW TO LIMIT HANDLE TURN, 30" SLIDE BAR FOR HAND SHOWER MOUNTING, LEVER DIVERTER VALVE, SHOWER HEAD, HAND WAND, AND TUB SPOUT. ADJUST STOP SCREW FOR MAXIMUM 120F HOT WATER.		
(FD-1)	FLOOR DRAIN WITH TRAP SEAL PROTECTION (REGULAR)	JAY R. SMITH #2005-ABPB-P FLOOR DRAIN. PROVIDE PRO-SET TRAP GUARD FOR SPECIFIC DRAIN INSTALLED.	3" WASTE 2" VENT	SEDIMENT BUCKET, POLISHED NICKEL BRONZE TOP, FLASHING CLAMP, TRAP PRIMER CONNECTION.		
⟨RVB−1⟩	RECESSED WALL BOX (FOR REFRIGERATORS)	GUY GRAY MODEL NO. BIM875, 18 GAUGE STEEL BOX. 1/4" COMPRESSION OUTLET, QUARTER TURN VALVE.	1/2" CW	REFER ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.		
(RVB-2)	RECESSED WALL BOX (UNDER COUNTER)	GUY GRAY MODEL NO. SSWB1, 304 STAINLESS STEEL BOX. 1/4" COMPRESSION OUTLET, QUARTER TURN VALVE.	1/2" CW	REFER ARCHITECTURAL DRAWINGS FOR EXACT LOCATION. WHEN INSTALLED WITHIN CASEWORK, PROVIDE RUBBER GROMMET THRU COUNTER AT EACH PIECE OF EQUIPMENT.		
(FS-1)	FLOOR SINK W/ TRAP SEAL PROTECTION (MECHANICAL SPACES)	JAY R. SMITH #3430Y-12 DUCO CAST IRON ACID RESISTANT COATED, 12" SQUARE TOP, FLOOR SINK WITH 3/4 ARC CAST IRON GRATE, PRO-SET "TRAP GUARD" SIZED FOR FLOOR SINK.	3" WASTE 2" VENT	DOME BOTTOM STRAINER, ARC CI 3/4 TOP, FLASHING CLAMP.		
⟨MS−1⟩	MOP SINK FLOOR MOUNT	STERN-WILLIAMS MODEL NO. SB-900-BP WITH STAINLESS STEEL CAP AND 3" CHROME DRAIN.	3/4" CW 3/4" HW 3" WASTE 2" VENT	24"X24"X12" FLOOR-MOUNT MOP SINK WITH STAINLESS STEEL CAP AND 3" CHROME DRAIN. FURNISH WITH CHICAGO FAUCET MODEL NO. 911-IS, MOUNTED 36" AFF TO FAUCET, VACUUM BREAKER AND INTEGRAL STOPS, MOUNT VACUUM BREAKER 7'-6" AFF.		
⟨WMB−1⟩	RECESSED EQUIPMENT BOX	GUY GRAY MODEL #MWB 9	1/2" CW 1/2" HW 2" WASTE 2" VENT	RECESSED METAL POWDER COATED, 2" CENTER DRAIN, QUARTER TURN VALVES.		

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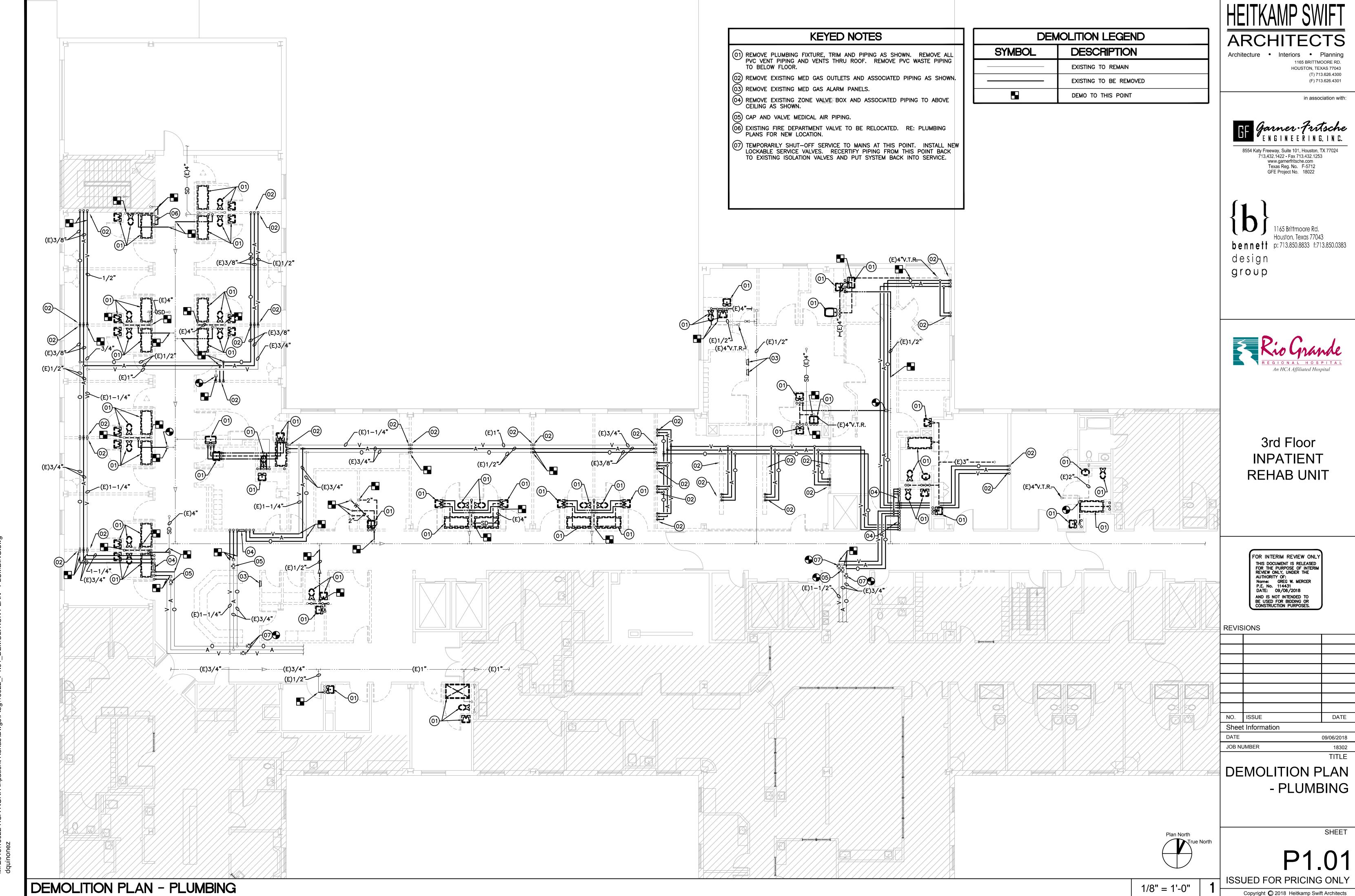
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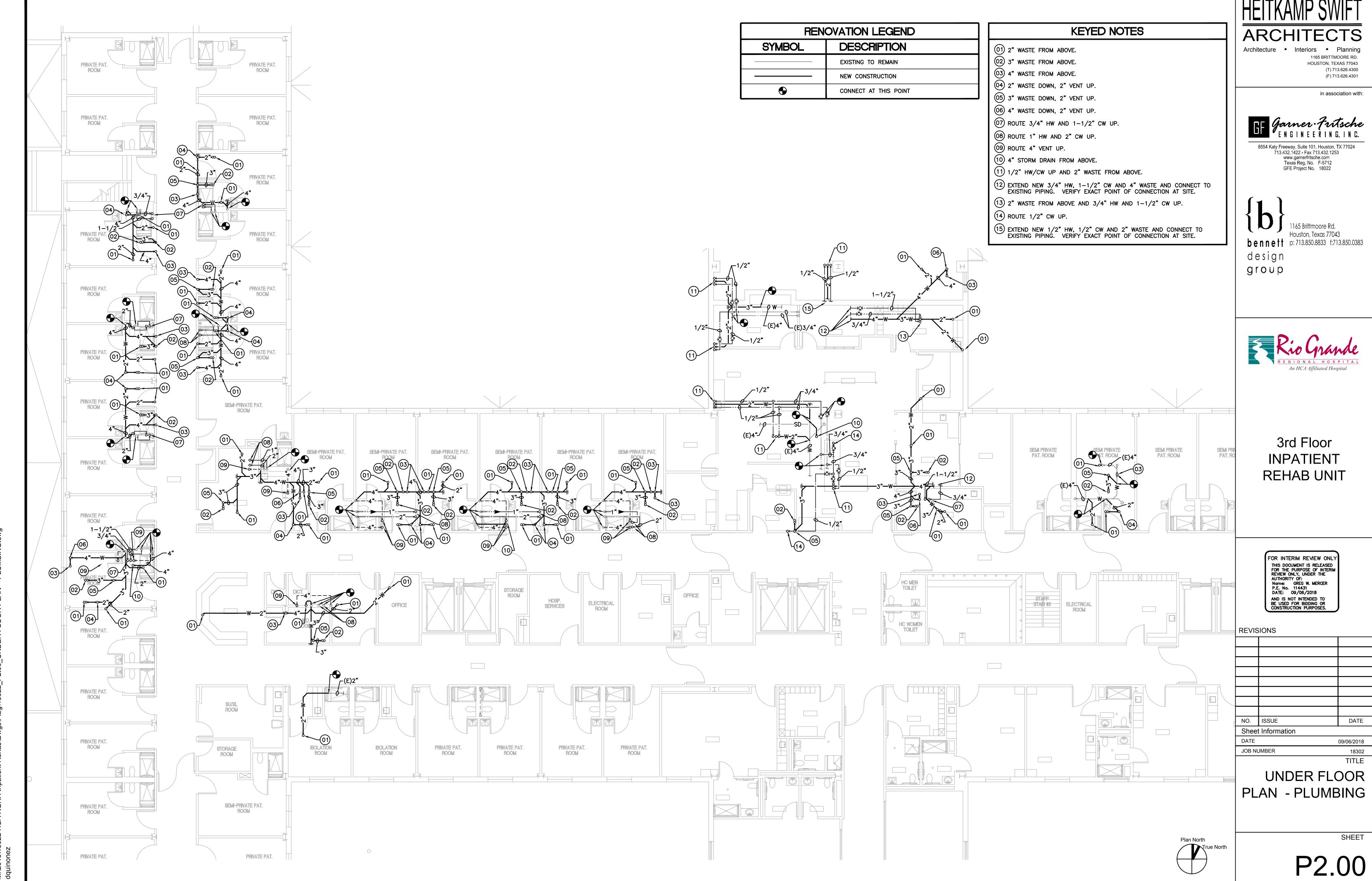
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UNDER FLOOR PLAN - PLUMBING

1/8" = 1'-0"

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RENOVATION LEGEND				
SYMBOL	DESCRIPTION			
	EXISTING TO REMAIN			
	NEW CONSTRUCTION			
•	CONNECT AT THIS POINT			

- 01) ROUTE 1/2" HW/CW, 2" WASTE DOWN AND 2" VENT UP.
- 02) ROUTE 1-1/4" CW DOWN AND 2" VENT UP.
- 03 2" VENT UP.
- 04) 1" HW AND 2" CW UP FROM BELOW.
- 05 4" VENT UP.
- 06) 3/4" HW AND 1-1/2" CW UP FROM BELOW.
- 07 ROUTE 1/2" HW, 2" WASTE DOWN AND 2" VENT UP.
- 08) ROUTE 1-1/2" CW DOWN AND 2" VENT UP.
- (09) ROUTE 1/2" CW DOWN AND 2" VENT UP.
- 10 ROUTE 3/4" HW DOWN/UP IN WALL TO SERVE SHOWER VALVE.
- (11) ROUTE 3/4" HW/CW DOWN AND 2" VENT UP.
- (12) ROUTE 1/2" HW DOWN/UP IN WALL TO SERVE SHOWER VALVE.
- (13) ROUTE 1" HW DOWN, 3/4" HW UP IN WALL TO SERVE SHOWER VALVE.
- ROUTE 1/2" CW DOWN AND LOOP 1/2" HW DOWN/UP IN WALL TO SERVE SHOWER VALVE.
- PROVIDE CIRCUIT SOLVER MODEL #CSUA-1/2-110-CV1 ASSEMBLY OR EQUAL THERMOSTATIC RECIRCLATION VALVE.



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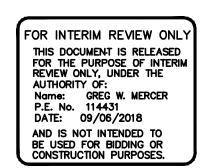


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ENLARGED FLOOR PLANS - PLUMBING

P2.02

RENOVATION LEGEND	
SYMBOL	DESCRIPTION
	EXISTING TO REMAIN
	NEW CONSTRUCTION
•	CONNECT AT THIS POINT

- 01) ROUTE 1/2" HW/CW, 2" WASTE DOWN AND 2" VENT UP.
- 02 ROUTE 1-1/4" CW DOWN AND 2" VENT UP.
- 03) 2" VENT UP.
- 04) 1" HW AND 2" CW UP FROM BELOW.
- 05) 4" VENT UP.
- 06 4" SD DOWN.
- 07) 3/4" HW AND 1-1/2" CW UP FROM BELOW.
- 08 ROUTE 1/2" CW DOWN TO SERVE RECESSED VALVE BOX.
- 09 1/2" HW/CW UP FROM BELOW, 2" WASTE DOWN AND 2" VENT UP.
- 10 ROUTE 1/2" CW DOWN AND 2" VENT UP.
- 11) ROUTE 1" HW DOWN/UP IN WALL TO SERVE SHOWER VALVE.
- 12) ROUTE 3/4" HW DOWN/UP IN WALL TO SERVE SHOWER VALVE.
- PROVIDE CIRCUIT SOLVER MODEL #CSUA-1/2-110-CV1 ASSEMBLY OR EQUAL THERMOSTATIC RECIRCLATION VALVE. (14) LOCATE CENTERLINE OF FLOOR SINK WITH EDGE OF MILLWORK.

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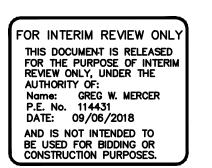
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ENLARGED FLOOR PLANS - PLUMBING

RENOVATION LEGEND	
SYMBOL	DESCRIPTION
	EXISTING TO REMAIN
	NEW CONSTRUCTION
•	CONNECT AT THIS POINT

- 01) ROUTE 1/2" HW/CW, 2" WASTE DOWN AND 2" VENT UP.
- 02 ROUTE 1-1/4" CW DOWN AND 2" VENT UP.
- 03) 2" VENT UP.
- 04 1" HW AND 2" CW UP FROM BELOW.
- 05) 4" VENT UP.
- 06 4" SD DOWN.
- 07 3/4" HW AND 1-1/2" CW UP FROM BELOW.
- 08 1/2" CW UP FROM BELOW.
- 09 1/2" HW/CW UP FROM BELOW, 2" WASTE DOWN AND 2" VENT UP.
- 10 ROUTE 1/2" CW DOWN AND 2" VENT UP.
- 11) ROUTE 3/4" HW DOWN/UP IN WALL TO SERVE SHOWER VALVE.
- PROVIDE CIRCUIT SOLVER MODEL #CSUA-1/2-110-CV1 ASSEMBLY OR EQUAL THERMOSTATIC RECIRCLATION VALVE.

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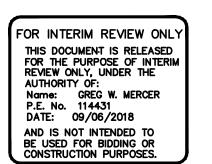


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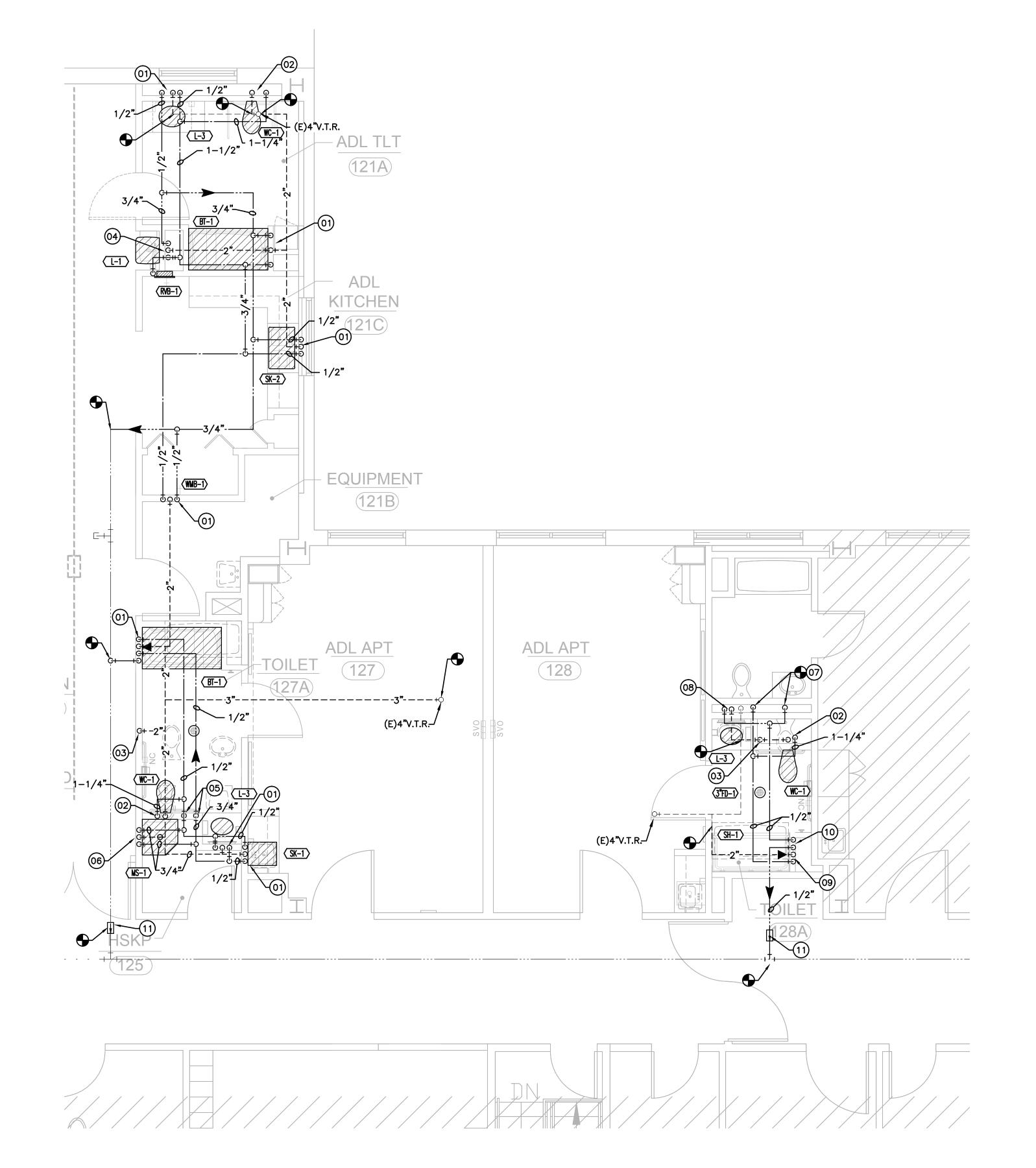
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ENLARGED FLOOR PLANS - PLUMBING

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P2.04

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RENOVATION LEGEND		•
SYMBOL	DESCRIPTION	•
	EXISTING TO REMAIN	
	NEW CONSTRUCTION	-
•	CONNECT AT THIS POINT	

- 01) ROUTE 1/2" HW/CW, 2" WASTE DOWN AND 2" VENT UP.
- 02) ROUTE 1-1/4" CW DOWN AND 2" VENT UP.
- 03) 2" VENT UP.
- 04 3/4" HW, 1-1/2" CW UP FROM BELOW, 2" WASTE DOWN AND 2" VENT UP.
- 05) 3/4" HW AND 1-1/2" CW UP FROM BELOW.
- 06 ROUTE 3/4" HW/CW DOWN AND 2" VENT UP.
- 07 CONNECT NEW HW/CW TO EXISTING PIPING WITHIN CHASE.
- 08) ROUTE 1/2" HW, 2" WASTE DOWN AND 2" VENT UP. CONNECT NEW 1/2" CW TO EXISTING CW PIPING IN CHASE.
- 09 ROUTE 1/2" CW DOWN AND 2" VENT UP.
- 10 ROUTE 1/2" HW DOWN/UP IN WALL TO SERVE SHOWER VALVE.
- PROVIDE CIRCUIT SOLVER MODEL #CSUA-1/2-110-CV1 ASSEMBLY OR EQUAL THERMOSTATIC RECIRCLATION VALVE.



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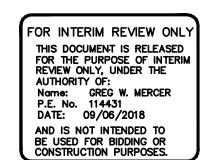


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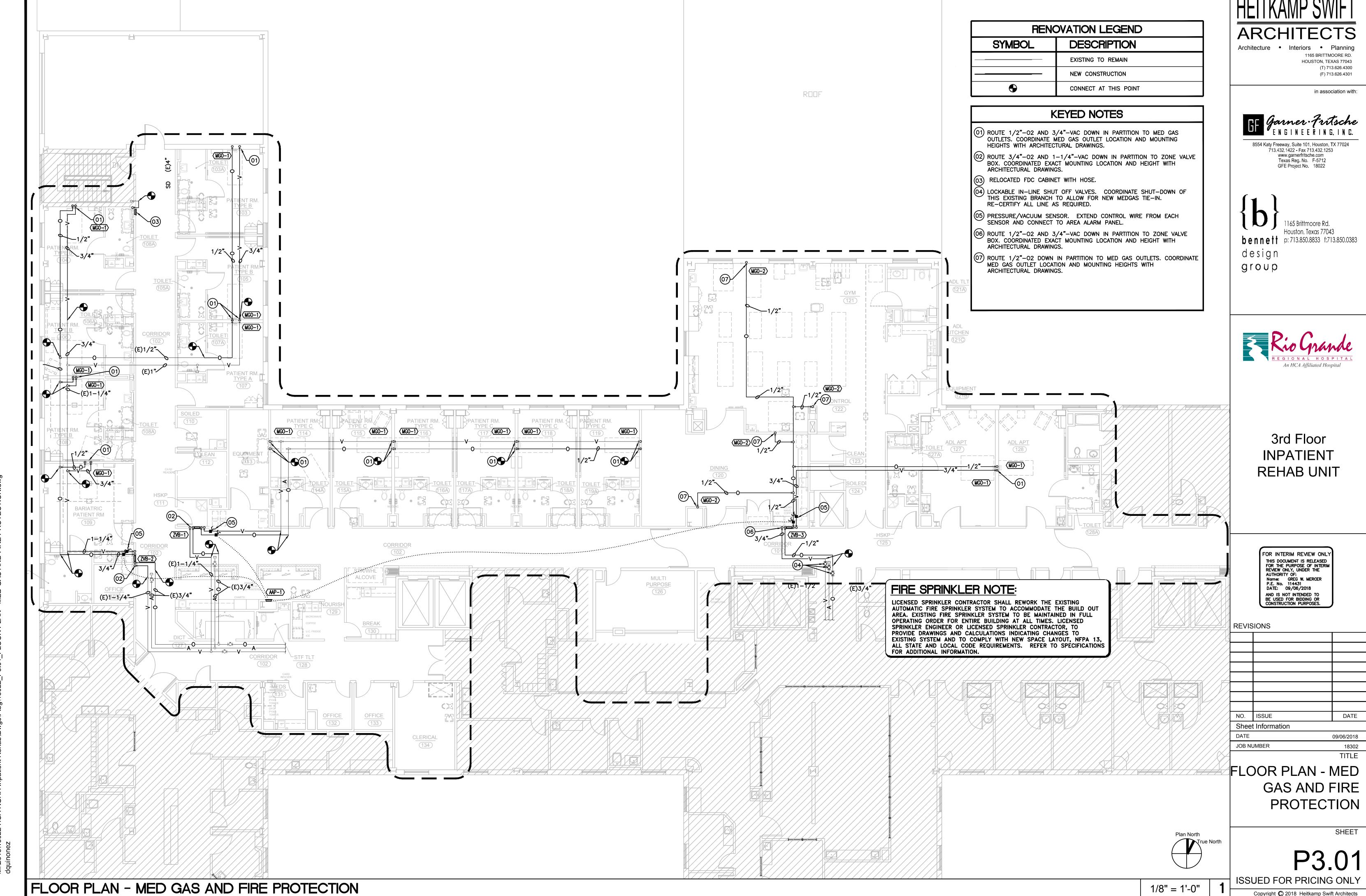
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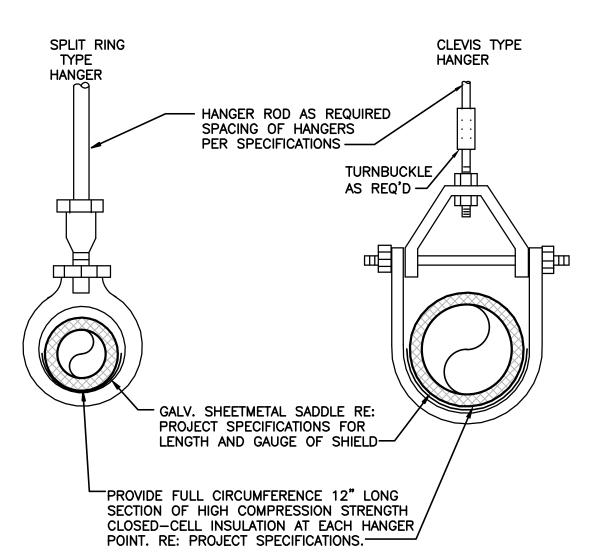
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MED GAS



SINGLE PIPE HANGER

—FLANGED COVER W/HINGED DOOR AND LOCK.

PAINTED WALLS - JR SMITH FIG. 4760.(SHOWN)

- COORDINATE ELEVATION OF CLEANOUT TO AVOID

CONFLICT WITH BASE TRIM.

CUTTING OF BASE TRIM TO

ACCOMMODATE CLEANOUT

AND/OR ACCESS DOOR IS

UNACCEPTABLE -

FLOOD LEVEL

BASE TRIM—

SIDE VIEW

HANGER ROD-

PREFORMED THERMOPLASTIC PIPE SADDLE WITH GALVANIZED CLAMP SIZED TO MATCH

PIPE SIZE. CUSH-A-CLAMP, VIBRACLAMP, OR EQUAL.

\ OF FIXTURE

MAY EXTEND AS

WASTE OR VENT

-PLUGGED TEE

W/ CLEANOUT

FLOOR LINE

TILED WALLS - JR SMITH FIG. 4762,

PROVIDE HANDLE EXTENSION ON

- INSULATION

-PLUMBING MAIN

— PIPE SLEEVE THRU WALL.

_SEAL WALL OPENING

-MINIMUM 1/4 " SPACE

- RATED WALL OR PARTITION

-PLUMBING CONTRACTOR SHALL PROVIDE BRANCH TAKE-OFFS FROM TOP OF MAINS

BETWEEN PIPE AND SLEEVE

WITH WALL COMPOUND

BASE TRIM-

FRONT VIEW

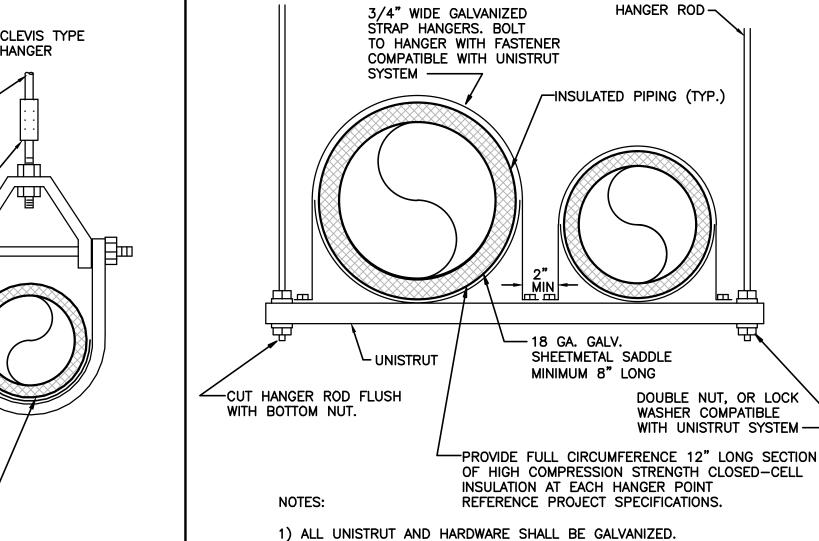
5 WALL CLEAN-OUT
NOT TO SCALE

CUT HANGER ROD FLUSH

-PLUMBING CONTRACTOR SHALL PROVIDE

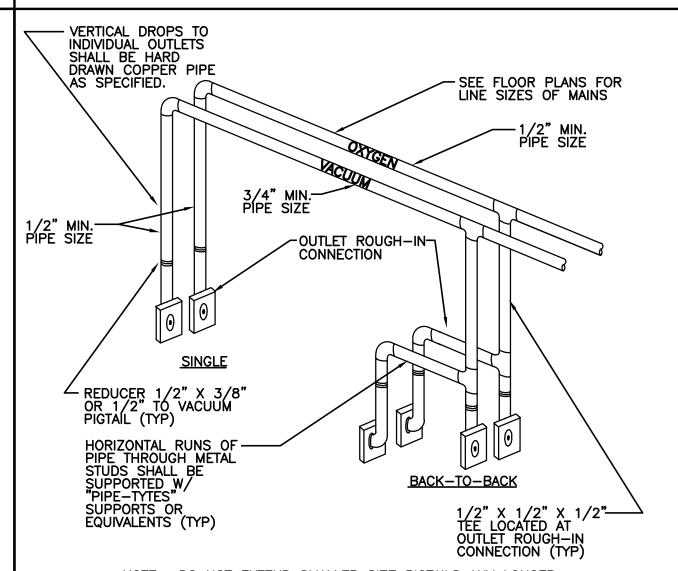
BRANCH TAKE-OFFS FROM TOP OF MAINS

INSULATED PIPING.



BÁSED ON THE LARGEST DIAMETER PIPE SUPPORTED BY THE RACK.

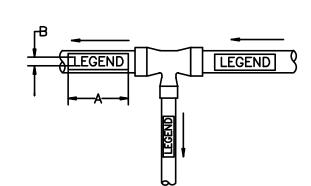
MULTI-PIPE HANGER NOT TO SCALE



2) SPACING OF HANGERS PER SPECIFICATIONS. HANGER SPACING SHALL BE

NOTE: DO NOT EXTEND SMALLER SIZE PIGTAILS ANY LONGER. MEDICAL GASES RISER
SCHEMATIC AT PATIENT ROOMS

NOT TO SCALE



SIZE OF LEGEND LETTERS			
OUTSIDE DIAMETER OF PIPE	LENGTH OF COLOR FIELD (A)	SIZE OF LETTERS (B)	
34" - 1¼"	8"	½ "	
1½" – 2"	8"	3/4"	
2½" - 6"	12"	1¼"	
MEDICAL GAS LABEL BACKGROUND AND LETTER COLOR LEGEND			
GAS	BACKGROUND	LETTER	

MED	ICAL GAS LABEL BACKGR LETTER COLOR LEGEI	OUND AND ND
GAS	BACKGROUND COLOR	LETTER COLOR
MEDICAL AIR	YELLOW	BLACK
MEDICAL VACUUM	WHITE	BLACK
NITROGEN	BLACK	WHITE
NITROUS OXIDE	BLUE	WHITE
OVVCEN	CDEEN	WHITE

1) THIS DETAIL APPLIES TO UNINSULATED COPPER PIPING. REFER TO SPECIFICATIONS FOR INSULATION REQUIREMENTS.

3) SPACING OF HANGERS PER SPECIFICATIONS. HANGER SPACING SHALL BE BASED ON THE SMALLEST DIAMETER PIPE SUPPORTED BY

2) ALL UNISTRUT AND HARDWARE SHALL BE GALVANIZED.

LABELS SHALL BE ORIENTED SO THAT THEY ARE LEGIBLE/VISIBLE TO PERSONNEL FROM A POINT AT WHICH THEY WOULD NORMALLY APPROACH THE PIPE.

2½" – 6"	12"	11/4"
MED	ICAL GAS LABEL BACKGRO LETTER COLOR LEGEN	OUND AND
GAS	BACKGROUND COLOR	LETTER COLOR
MEDICAL AIR	YELLOW	BLACK
MEDICAL VACUUM	WHITE	BLACK
NITROGEN	BLACK	WHITE
NITPOLIC OVIDE	DLLIE	WHITE

MED GAS PIPE LABELING

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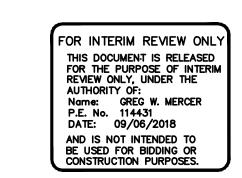
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> DETAILS -**PLUMBING**

> > SHEET

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NO SCALE

1 PLUMBING RISER DIAGRAMS

NOT TO SCALE

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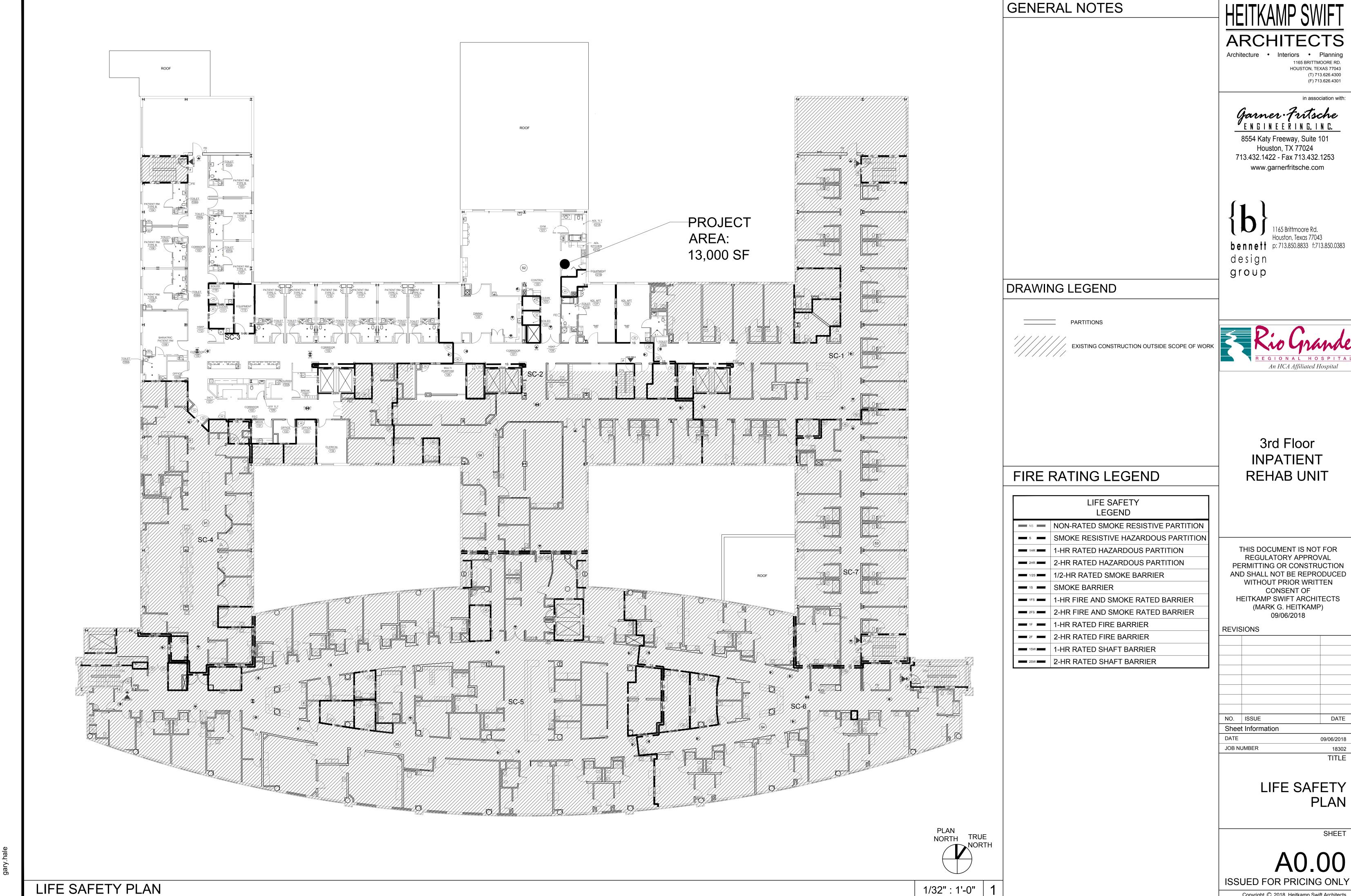
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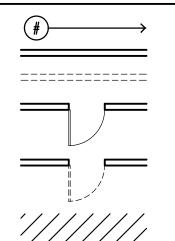


GENERAL NOTES

AFFECTED BY DEMOLITION.

- A. ALL EXISTING CONSTRUCTION (FLOORS, WALLS, CEILING) WITHIN SCOPE OF WORK IS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REFER TO LEGEND BELOW.
- B. REFER TO ELECTRICAL DRAWINGS FOR EXISTING LIGHT FIXTURE TO BE REMOVED/RELOCATED.
- C. PROVIDE TEMPORARY FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 10 AT
- D. CLEAN, PATCH AND REPAIR EXISTING WALLS, FLOORS, AND CEILINGS TO REMAIN
- REMOVE ALL ELEC/DATA AT SCHEDULED DEMO WALLS. REMOVE ASSOCIATED WIRING BACK TO SOURCE PANEL.
- REMOVE DEMOLISHED PLUMBING FIXTURE LINES BACK TO SOURCE. NO DEAD LEGS.
- . REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION RELATED TO DEMOLITION.
- H. CONTRACTOR SHALL COORDINATE PHASING AND MOVE SCHEDULE WITH OWNER.
- CONSULT WITH OWNER ABOUT DEMOLISHED ITEMS THAT ARE TO BE RETURNED. (WINDOW BLINDS, FIRE STROBES/ PULLS/ EXTINGUISHERS, LIGHT FIXTURES, PLUMBING FIXTURES, CAMERAS ETC.)

LEGEND



NOTE TO SHEET DESIGNATION EXISTING WALL TO REMAIN EXISTING WALL TO BE REMOVED

EXISTING DOOR TO REMAIN

EXISTING DOOR TO BE REMOVED

EXISTING CONSTRUCTION TO REMAIN

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KEY PLAN

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DEMO OVERALL FLOOR PLAN

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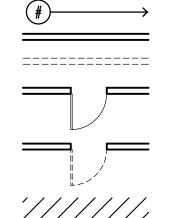
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1/16" : 1'-0"

FLOOR PLAN

GENERAL NOTES

- A. ALL EXISTING CONSTRUCTION (FLOORS, WALLS, CEILING) WITHIN SCOPE OF WORK IS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REFER TO LEGEND BELOW.
- B. REFER TO ELECTRICAL DRAWINGS FOR EXISTING LIGHT FIXTURE TO BE REMOVED/RELOCATED.
- C. PROVIDE TEMPORARY FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 10 AT
- D. CLEAN, PATCH AND REPAIR EXISTING WALLS, FLOORS, AND CEILINGS TO REMAIN
- REMOVE ALL ELEC/DATA AT SCHEDULED DEMO WALLS. REMOVE ASSOCIATED WIRING BACK TO SOURCE PANEL.
- REMOVE DEMOLISHED PLUMBING FIXTURE LINES BACK TO SOURCE. NO DEAD LEGS.
- G. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION RELATED TO DEMOLITION.
- H. CONTRACTOR SHALL COORDINATE PHASING AND MOVE SCHEDULE WITH OWNER.
- CONSULT WITH OWNER ABOUT DEMOLISHED ITEMS THAT ARE TO BE RETURNED. (WINDOW BLINDS, FIRE STROBES/ PULLS/ EXTINGUISHERS, LIGHT FIXTURES, PLUMBING FIXTURES, CAMERAS ETC.)



NOTE TO SHEET DESIGNATION EXISTING WALL TO REMAIN EXISTING WALL TO BE REMOVED

EXISTING DOOR TO REMAIN

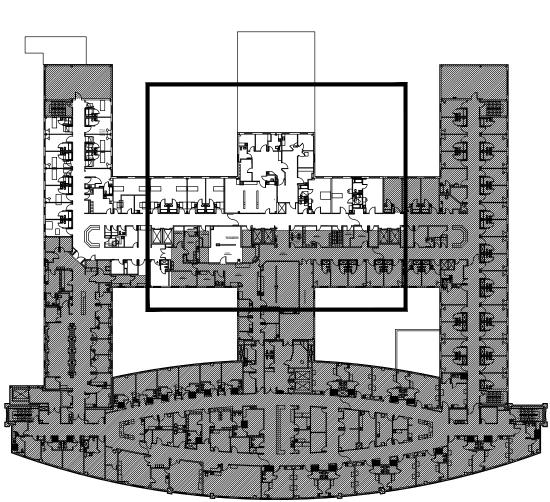
EXISTING DOOR TO BE REMOVED

EXISTING CONSTRUCTION TO REMAIN

NOTES TO SHEET A1.01

- REMOVE WINDOW LEGDE AND PREP OPENING TO RECIEVE GYP. BD. PARTION. PREP WINDOW TO RECIEVE 3M BLOCK OUT FILM.
- (2) REMOVE MILLWORK.
- REMOVE CEILING SYSTEM AND FIXTURES TO BE REMOVED SEE MEP
- REMOVE EXISTING FIRE CABINET AND PROVIDE NEW CABINET AND RELOCATE
- REMOVE EXISTING WINDOW SYSTEM. IN-FILL WALL ASSEMBLY AS REQUIRED
- REMOVE PLUMBING FIXTURES AND ASSOCIATED PIPING. NO DEAD LEGS SEE
- REMOVE STOREFRONT SYSTEM.
- REMOVE FLOORING SYSTEM DOW TO THE SLAB PREP SURFACE TO RECIEVE
- REMOVE CEILING TILES, GRID, LIGHT FIXTURES AND DEVICES AS REQUIRED.
- (10) REMOVE TV AND A TECHNOLOGY AND RETURN TO OWNER.
- REMOVE EXISTING ELECTRICAL PANELS AND SWITCHES. REFER TO GENERAL NOTES AND ELECTRICAL DRAWINGS
- SEE STRUCTURAL DRAWINGS AND MEP DRAWINGS FOR SCOPE OF DEMO IN MECHANICAL ROOM

KEY PLAN



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PARTIAL

DEMO PLAN AREA 1

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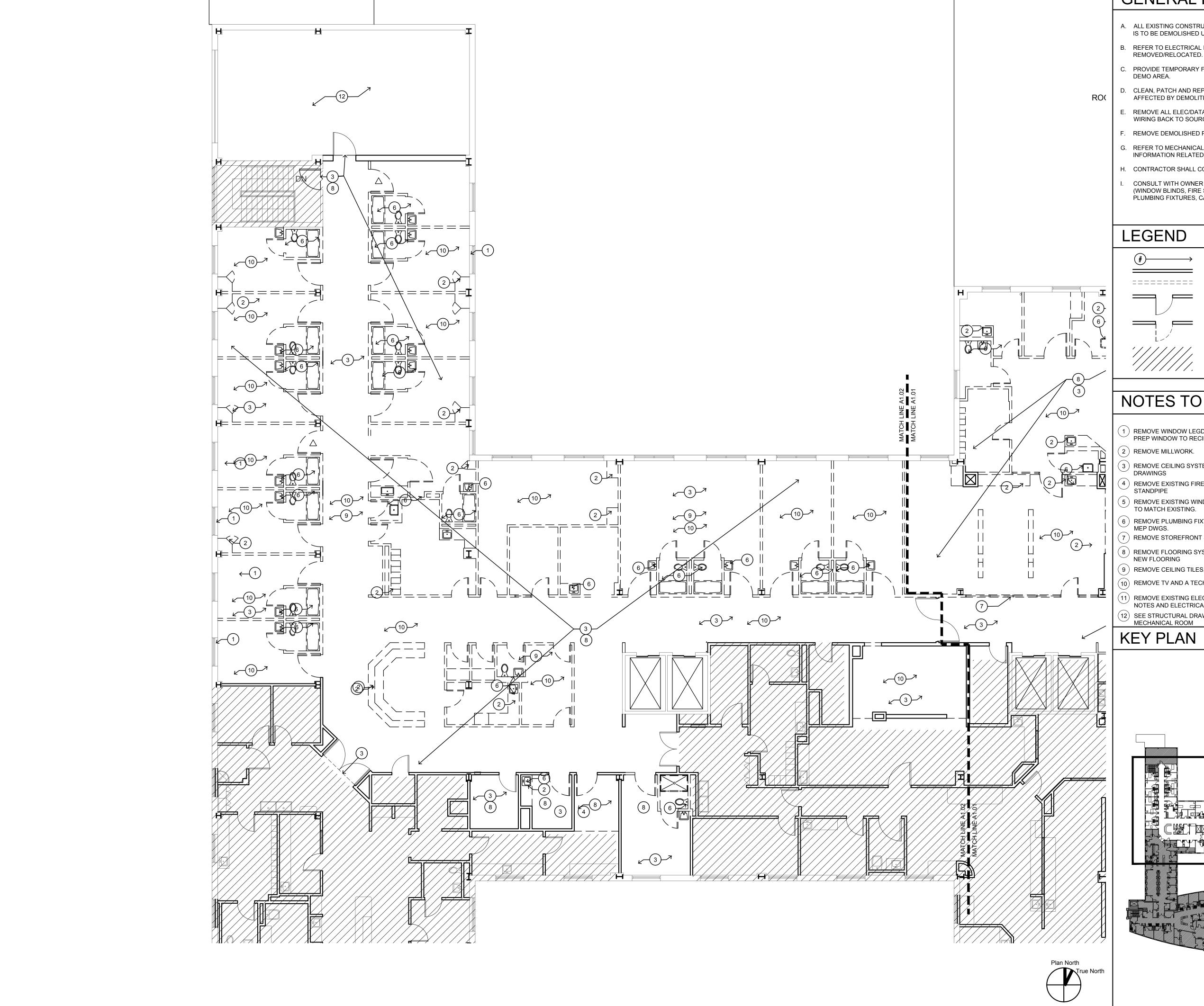
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1/8" : 1'-0"

PARTIAL FLOOR PLAN AREA 2



GENERAL NOTES

- A. ALL EXISTING CONSTRUCTION (FLOORS, WALLS, CEILING) WITHIN SCOPE OF WORK IS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REFER TO LEGEND BELOW.
- B. REFER TO ELECTRICAL DRAWINGS FOR EXISTING LIGHT FIXTURE TO BE
- C. PROVIDE TEMPORARY FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 10 AT
- D. CLEAN, PATCH AND REPAIR EXISTING WALLS, FLOORS, AND CEILINGS TO REMAIN AFFECTED BY DEMOLITION.
- REMOVE ALL ELEC/DATA AT SCHEDULED DEMO WALLS. REMOVE ASSOCIATED WIRING BACK TO SOURCE PANEL.
- REMOVE DEMOLISHED PLUMBING FIXTURE LINES BACK TO SOURCE. NO DEAD LEGS.
- G. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION RELATED TO DEMOLITION.
- H. CONTRACTOR SHALL COORDINATE PHASING AND MOVE SCHEDULE WITH OWNER.
- CONSULT WITH OWNER ABOUT DEMOLISHED ITEMS THAT ARE TO BE RETURNED. (WINDOW BLINDS, FIRE STROBES/ PULLS/ EXTINGUISHERS, LIGHT FIXTURES, PLUMBING FIXTURES, CAMERAS ETC.)

NOTE TO SHEET DESIGNATION

EXISTING WALL TO BE REMOVED

EXISTING DOOR TO BE REMOVED

EXISTING CONSTRUCTION TO REMAIN

EXISTING WALL TO REMAIN

EXISTING DOOR TO REMAIN

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- REMOVE WINDOW LEGDE AND PREP OPENING TO RECIEVE GYP. BD. PARTION. PREP WINDOW TO RECIEVE 3M BLOCK OUT FILM.
- REMOVE MILLWORK.
- REMOVE CEILING SYSTEM AND FIXTURES TO BE REMOVED SEE MEP
- REMOVE EXISTING FIRE CABINET AND PROVIDE NEW CABINET AND RELOCATE
- REMOVE EXISTING WINDOW SYSTEM. IN-FILL WALL ASSEMBLY AS REQUIRED
- REMOVE PLUMBING FIXTURES AND ASSOCIATED PIPING. NO DEAD LEGS SEE
- REMOVE STOREFRONT SYSTEM.
- REMOVE FLOORING SYSTEM DOW TO THE SLAB PREP SURFACE TO RECIEVE
- REMOVE CEILING TILES, GRID, LIGHT FIXTURES AND DEVICES AS REQUIRED. REMOVE TV AND A TECHNOLOGY AND RETURN TO OWNER.
- REMOVE EXISTING ELECTRICAL PANELS AND SWITCHES. REFER TO GENERAL NOTES AND ELECTRICAL DRAWINGS
- SEE STRUCTURAL DRAWINGS AND MEP DRAWINGS FOR SCOPE OF DEMO IN MECHANICAL ROOM

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> **PARTIAL DEMO PLAN** AREA 2

> > SHEET

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TITLE

PARTIAL FLOOR PLAN AREA 2

1/8" : 1'-0"

MILLWORK HARDWARE

- Cabinet Hardware and Miscellaneous Item Schedule:
- Stanley #4483-1/2, aluminum wire pulls.
- 2. Concealed "European" Hinges:
 Blum Modul 170 Series
 Grass America #1203 Series
- 3 Drawer Slides
- a. Box Drawer Slides: Full Extension, Grade 1HD-100, for drawers NOT more than 6 inches high or 24 inches wide
- b. File Drawer Slides: Full Extension, Grade 1HD-200, for drawers more than 6 inches high or 24 inches wide.
- 4. Cabinet Drawer/Door Lock: American Lock #0737
- 5. Under Counter Support Steel Bracket:a. A&M Hardware, Inc; www.aandmhardware.com; phone 888.647.0200 (OR
- a.a. 18 inches deep and 24 inches high
- a.b. Exceed 1,000 lb. load capacity
- a.c. Paint to match attachment wall / millwork

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MILLWORK SECTIONS

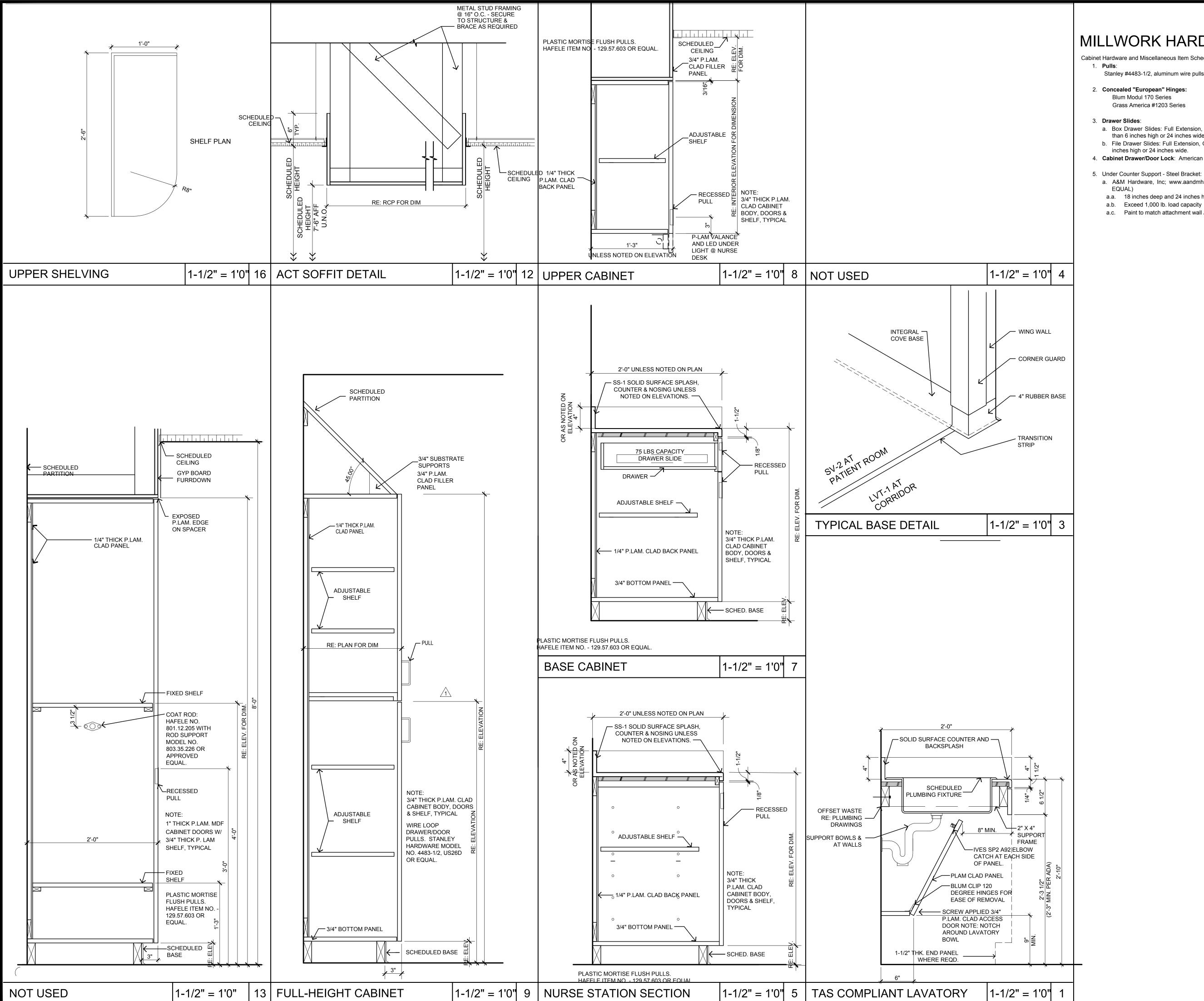
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MILLWORK HARDWARE

Cabinet Hardware and Miscellaneous Item Schedule:

Stanley #4483-1/2, aluminum wire pulls.

2. Concealed "European" Hinges: Blum Modul 170 Series

a. Box Drawer Slides: Full Extension, Grade 1HD-100, for drawers NOT more than 6 inches high or 24 inches wide

- b. File Drawer Slides: Full Extension, Grade 1HD-200, for drawers more than 6
- 4. Cabinet Drawer/Door Lock: American Lock #0737
- 5. Under Counter Support Steel Bracket:
- a. A&M Hardware, Inc; www.aandmhardware.com; phone 888.647.0200 (OR
- a.a. 18 inches deep and 24 inches high
- a.c. Paint to match attachment wall / millwork

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MILLWORK **SECTIONS**

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 A. SEE A7.01 FOR TYPICAL MOUNTING HEIGHTS
 B. PROVIDE 1'-0" CLEAR FLOOR SPACE AT THE PUSH SIDE OF EVERY DOOR WITH A CLOSER. PROVIDE 1'-6" CLEAR AT THE PULL SIDE OF EVERY DOOR. ALL LAVATORIES AND SINKS SHALL BE MOUNTED A MINIMUM OF 1'-3" FROM THE

CENTERLINE OF THE FIXTURE TO THE FINISHED FACE OF THE ADJACENT PARTITION. THERE SHALL BE 4" MINIMUM BETWEEN THE SIDE OF THE FIXTURE AND FACE OF ADJACENT WALL, CASEWORK, ETC. REFER TO FINISH PLANS FOR WALL PROTECTION INFORMATION.

PROVIDE NURSE CALL SYSTEM TO MATCH HOSPITAL STANDARD. REFER TO VENDOR DRAWINGS. CONTRACTOR RESPONSIBLE FOR CUSTOMER/CONTRACTOR INSTALLATION REQUIREMENTS.

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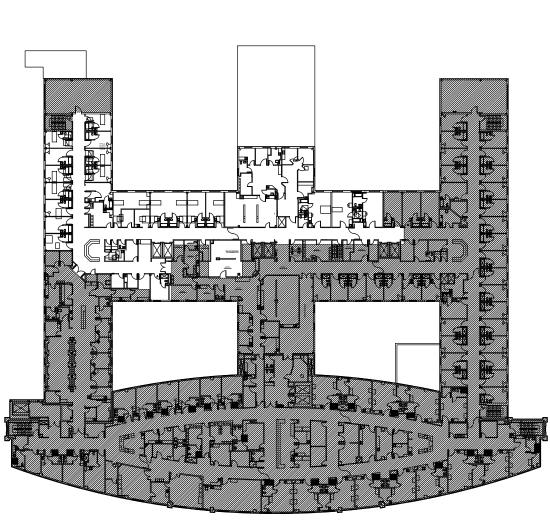


LEGEND

NOT IN PROJECT SCOPE

3rd Floor **INPATIENT REHAB UNIT**

KEY PLAN



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(MARK G. HEITKAMP) 09/06/2018 REVISIONS

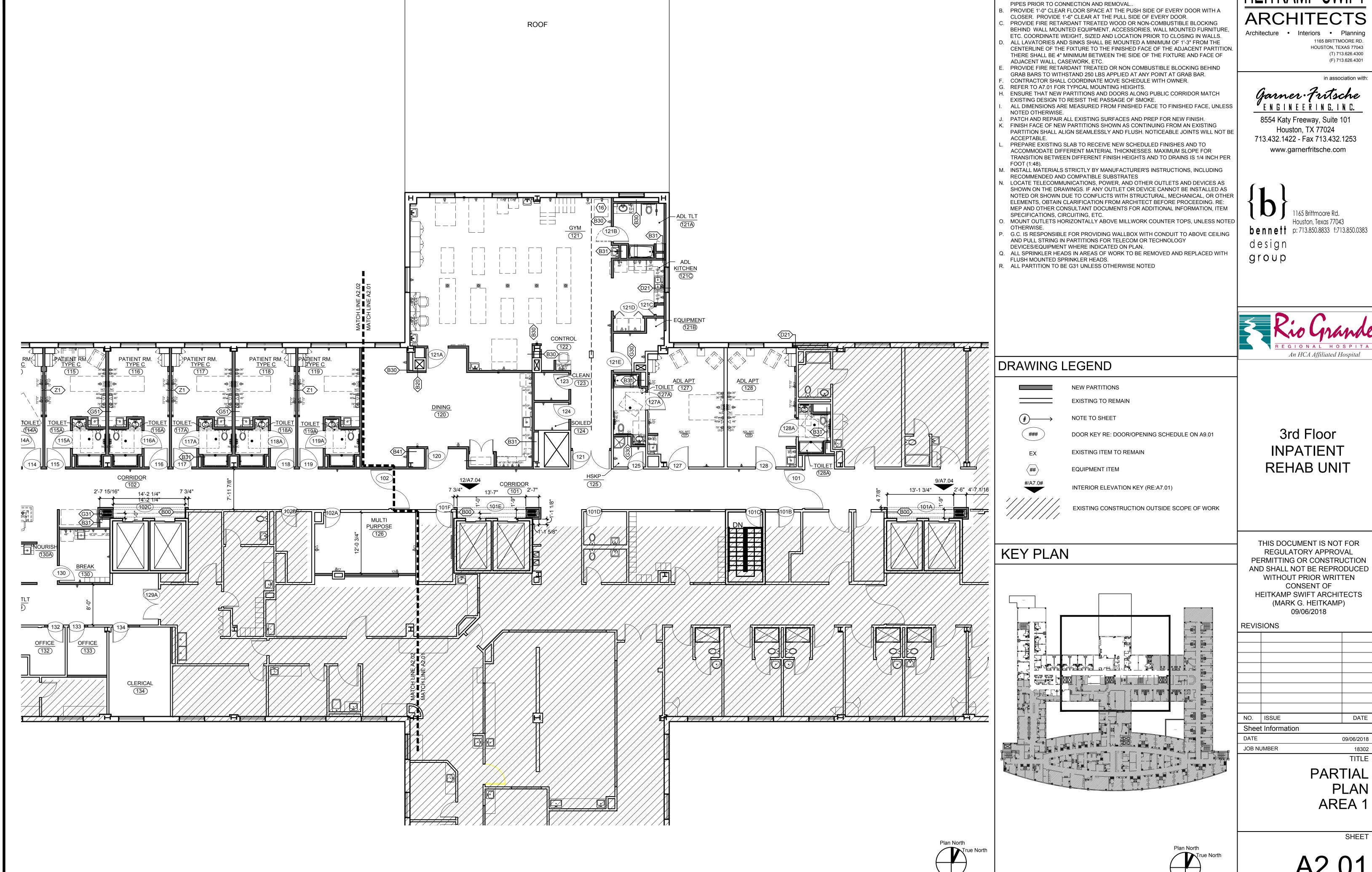
NO. ISSUE Sheet Information 09/06/2018 JOB NUMBER

TITLE

DEMO OVERALL FLOOR PLAN

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1/16" : 1'-0"



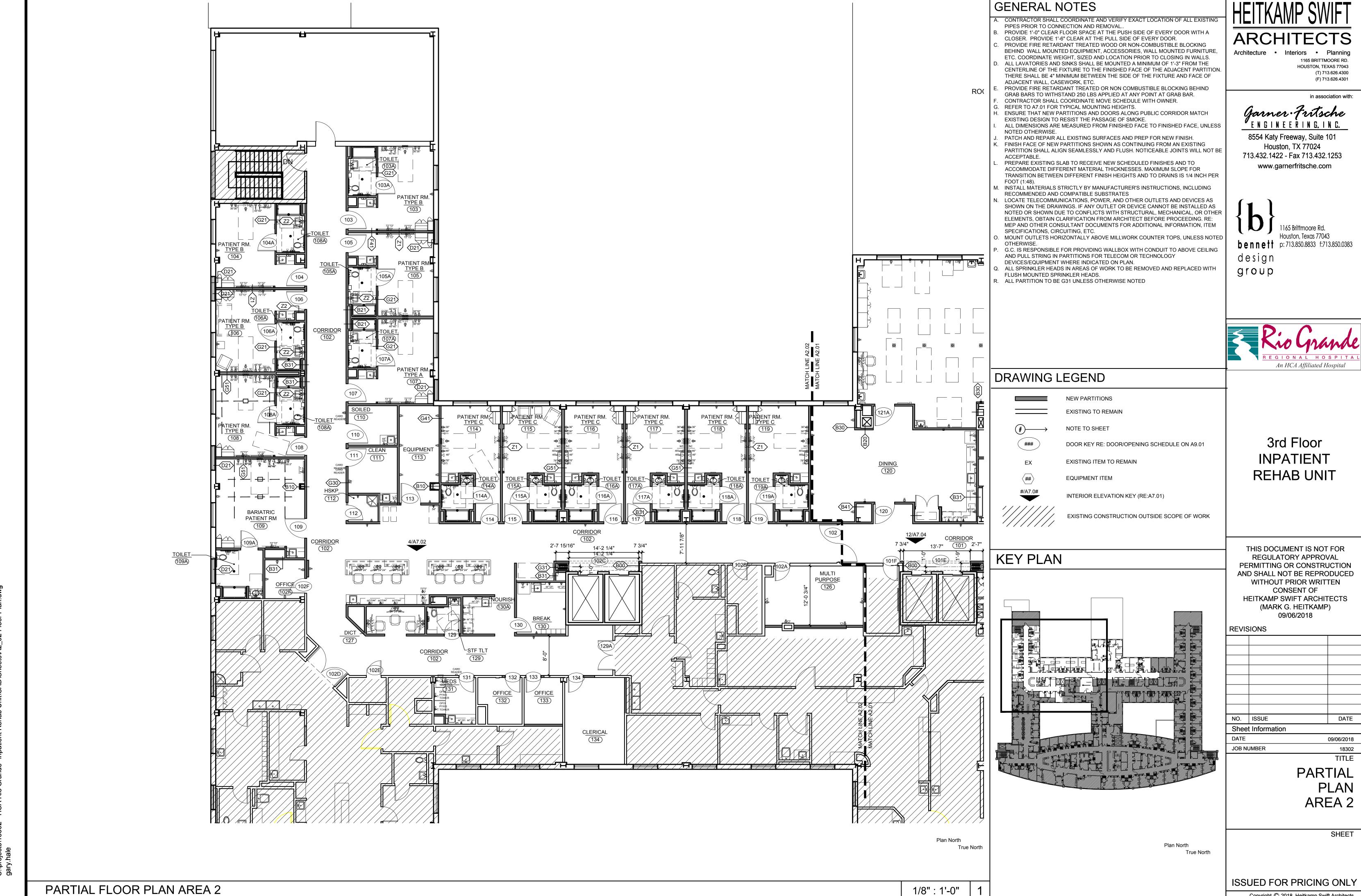
PARTIAL FLOOR PLAN AREA 1

1/8" : 1'-0"

GENERAL NOTES

A. CONTRACTOR SHALL COORDINATE AND VERIFY EXACT LOCATION OF ALL EXISTING

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- A. SEE A7.01 FOR TYPICAL MOUNTING HEIGHTS

 B. PROVIDE 1'-0" CLEAR FLOOR SPACE AT THE PLISH SIDE OF EVERY DOO
- B. PROVIDE 1'-0" CLEAR FLOOR SPACE AT THE PUSH SIDE OF EVERY DOOR WITH A CLOSER. PROVIDE 1'-6" CLEAR AT THE PULL SIDE OF EVERY DOOR.
 C. ALL LAVATORIES AND SINKS SHALL BE MOUNTED A MINIMUM OF 1'-3" FROM THE CENTERLINE OF THE FIXTURE TO THE FINISHED FACE OF THE ADJACENT
- CENTERLINE OF THE FIXTURE TO THE FINISHED FACE OF THE ADJACENT PARTITION. THERE SHALL BE 4" MINIMUM BETWEEN THE SIDE OF THE FIXTURE AND FACE OF ADJACENT WALL, CASEWORK, ETC.

 D. REFER TO FINISH PLANS FOR WALL PROTECTION INFORMATION.
- E. PROVIDE NURSE CALL SYSTEM TO MATCH HOSPITAL STANDARD.
 F. REFER TO VENDOR DRAWINGS. CONTRACTOR RESPONSIBLE FOR CUSTOMER/ CONTRACTOR INSTALLATION REQUIREMENTS.

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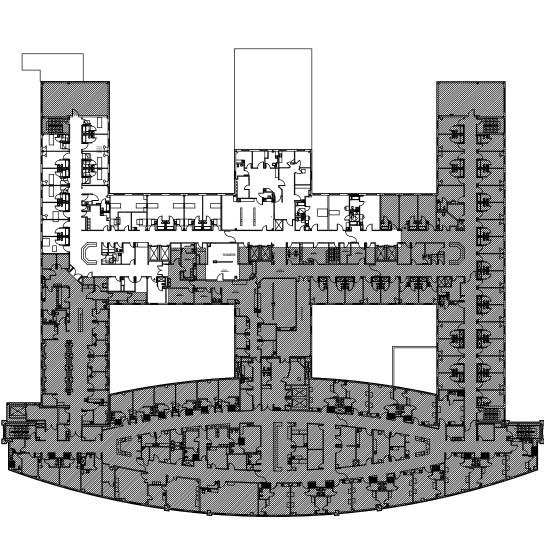


LEGEND

NOT IN PROJECT SCOPE

3rd Floor INPATIENT REHAB UNIT

KEY PLAN



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(MARK G. HEITKAMP) 09/06/2018 REVISIONS

NO. ISSUE DATE

Sheet Information

DATE 09/06/2018

JOB NUMBER

OVERALL RCP FLOOR PLAN

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TITLE

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1/16" : 1'-0" | 1

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OVERALL RCP FLOOR PLAN

A. CONTRACTOR SHALL COORDINATE AND VERIFY EXACT LOCATION OF ALL EXISTING

BEHIND WALL MOUNTED EQUIPMENT, ACCESSORIES, WALL MOUNTED FURNITURE, ETC. COORDINATE WEIGHT, SIZED AND LOCATION PRIOR TO CLOSING IN WALLS.

PROVIDE FIRE RETARDANT TREATED OR NON COMBUSTIBLE BLOCKING. CONTRACTOR SHALL COORDINATE MOVE SCHEDULE WITH OWNER.

G. ALL DIMENSIONS ARE MEASURED FROM FINISHED FACE TO FINISHED FACE, UNLESS

PATCH AND REPAIR ALL EXISTING SURFACES AND PREP FOR NEW FINISH.

INSTALL MATERIALS STRICTLY BY MANUFACTURER'S INSTRUCTIONS, INCLUDING

SHOWN ON THE DRAWINGS. IF ANY OUTLET OR DEVICE CANNOT BE INSTALLED AS NOTED OR SHOWN DUE TO CONFLICTS WITH STRUCTURAL, MECHANICAL, OR OTHER ELEMENTS, OBTAIN CLARIFICATION FROM ARCHITECT BEFORE PROCEEDING. RE: MEP AND OTHER CONSULTANT DOCUMENTS FOR ADDITIONAL INFORMATION, ITEM

AND PULL STRING IN PARTITIONS FOR TELECOM OR TECHNOLOGY

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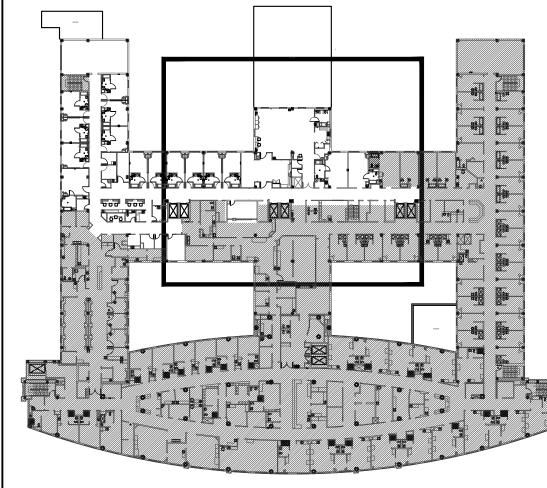
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JOB NUMBER



AREA 1

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1/8" : 1'-0"

PARTIAL RCP FLOOR PLAN AREA 2

PARTITION SHALL ALIGN SEAMLESSLY AND FLUSH. NOTICEABLE JOINTS WILL NOT BE

FINISH FACE OF NEW PARTITIONS SHOWN AS CONTINUING FROM AN EXISTING

LOCATE TELECOMMUNICATIONS, POWER, AND OTHER OUTLETS AND DEVICES AS

M. ALL SPRINKLER HEADS IN AREAS OF WORK TO BE REMOVED AND REPLACED WITH

FLUSH MOUNTED SPRINKLER HEADS. ALIGN HEAD IN CENTER OF ACT. TILE.

HEITKAMP SWIFT ARCHITECTS (MARK G. HEITKAMP) 09/06/2018

NO. ISSUE Sheet Information DATE 09/06/2018

> PARTIAL RCP PLAN

TITLE

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PARTIAL RCP FLOOR PLAN AREA 2

CEILING PLAN NOTES

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GENERAL NOTES

1/8" : 1'-0"



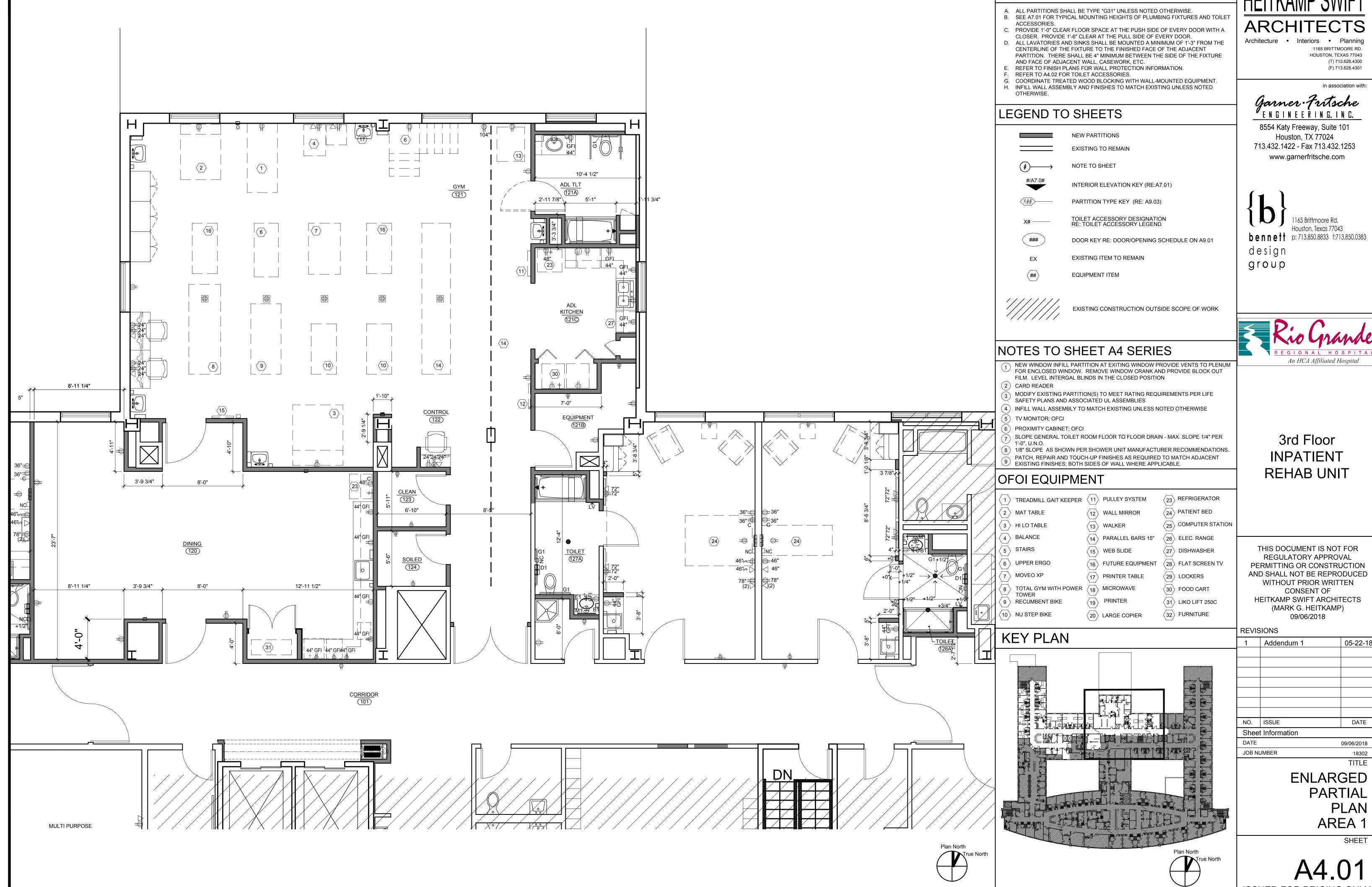
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1	Addendum 1	05-22-18						
NO.	ISSUE	DATE						
Sheet Information								

09/06/2018 TITLE

> **PARTIAL** RCP PLAN AREA 2

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Sep 06, 2018 - 10.30pm S:\projects\18302 - HCA Rio Grande -Inpatient Rehab Unit\CAD\Sheets\A4_01 Enlarged Floor Pla

ENLARGED PARTIAL FLOOR PLAN AREA 1

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NTS

1/8" : 1'-0"

GENERAL NOTES

- A. ALL PARTITIONS SHALL BE TYPE "G31" UNLESS NOTED OTHERWISE. B. SEE A7.01 FOR TYPICAL MOUNTING HEIGHTS OF PLUMBING FIXTURES AND TOILET
- PROVIDE 1'-0" CLEAR FLOOR SPACE AT THE PUSH SIDE OF EVERY DOOR WITH A CLOSER. PROVIDE 1'-6" CLEAR AT THE PULL SIDE OF EVERY DOOR. . ALL LAVATORIES AND SINKS SHALL BE MOUNTED A MINIMUM OF 1'-3" FROM THE CENTERLINE OF THE FIXTURE TO THE FINISHED FACE OF THE ADJACENT PARTITION. THERE SHALL BE 4" MINIMUM BETWEEN THE SIDE OF THE FIXTURE
- REFER TO FINISH PLANS FOR WALL PROTECTION INFORMATION.
- COORDINATE TREATED WOOD BLOCKING WITH WALL-MOUNTED EQUIPMENT. H. INFILL WALL ASSEMBLY AND FINISHES TO MATCH EXISTING UNLESS NOTED

LEGEND TO SHEETS

NEW PARTITIONS EXISTING TO REMAIN NOTE TO SHEET

INTERIOR ELEVATION KEY (RE:A7.01)

EXISTING CONSTRUCTION OUTSIDE SCOPE OF WORK

NOTES TO SHEET A4 SERIES

- FOR ENCLOSED WINDOW. REMOVE WINDOW CRANK AND PROVIDE BLOCK OUT FILM. LEVEL INTERGAL BLINDS IN THE CLOSED POSITION
- (4) INFILL WALL ASSEMBLY TO MATCH EXISTING UNLESS NOTED OTHERWISE
- (6) PROXIMITY CABINET; OFCI
- 1'-0", U.N.O. (8) 1/8" SLOPE AS SHOWN PER SHOWER UNIT MANUFACTURER RECOMMENDATIONS.

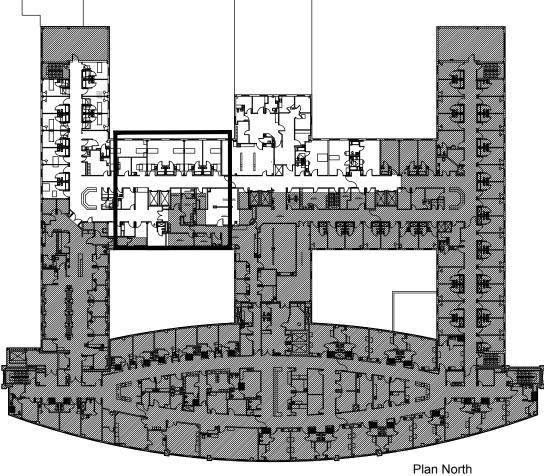
- \langle 3 angle HI LO TABLE
- 4 BALANCE
- $/_5$ STAIRS 6 UPPER ERGO
- MOVEO XP
- 9 RECUMBENT BIKE
- $\langle 10 \rangle$ NU STEP BIKE
- $\langle 18 \rangle$ MICROWAVE
- $\langle 29 \rangle$ LOCKERS $\langle 30 \rangle$ FOOD CART

 $\left\langle \overline{23} \right\rangle$ REFRIGERATOR

 $\langle 25 \rangle$ COMPUTER STATION

 $\langle 24 \rangle$ PATIENT BED

31 LIKO LIFT 250C



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REVISIONS

PARTIAL PLAN AREA 2

DATE

18302 TITLE

09/06/2018

SHEET

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AND FACE OF ADJACENT WALL, CASEWORK, ETC. REFER TO A4.02 FOR TOILET ACCESSORIES.

PARTITION TYPE KEY (RE: A9.03)

TOILET ACCESSORY DESIGNATION RE: TOILET ACCESSORY LEGEND

DOOR KEY RE: DOOR/OPENING SCHEDULE ON A9.01

EXISTING ITEM TO REMAIN

EQUIPMENT ITEM

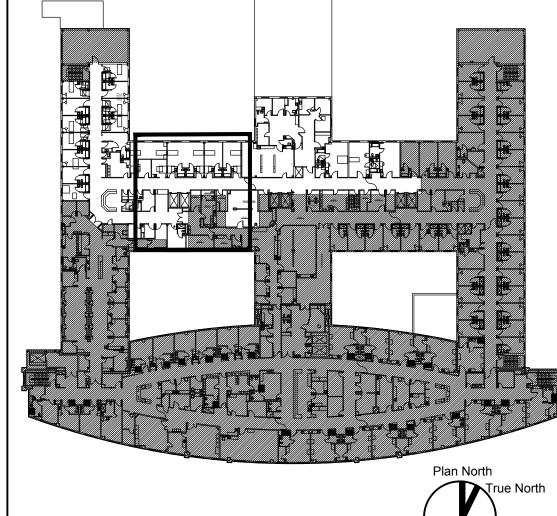
NEW WINDOW INFILL PARTITION AT EXITING WINDOW PROVIDE VENTS TO PLENUM

- MODIFY EXISTING PARTITION(S) TO MEET RATING REQUIREMENTS PER LIFE
 - SAFETY PLANS AND ASSOCIATED UL ASSEMBLIES
- (5) TV MONITOR; OFCI
- SLOPE GENERAL TOILET ROOM FLOOR TO FLOOR DRAIN MAX. SLOPE 1/4" PER
- PATCH, REPAIR AND TOUCH-UP FINISHES AS REQUIRED TO MATCH ADJACENT

OFOI EQUIPMENT

- 1 TREADMILL GAIT KEEPER (11) PULLEY SYSTEM $\langle 12 \rangle$ WALL MIRROR (2) MAT TABLE
- 13 WALKER 14 PARALLEL BARS 15"
- 26 ELEC. RANGE ⟨15⟩ WEB SLIDE $\langle 27 \rangle$ DISHWASHER 16 FUTURE EQUIPMENT 28 FLAT SCREEN TV
- $\langle 17 \rangle$ PRINTER TABLE
- PRINTER 32 FURNITURE 20 LARGE COPIER

KEY PLAN



NTS

PARTIAL ENLARGED FLOOR PLAN AREA 2

1/8" : 1'-0"

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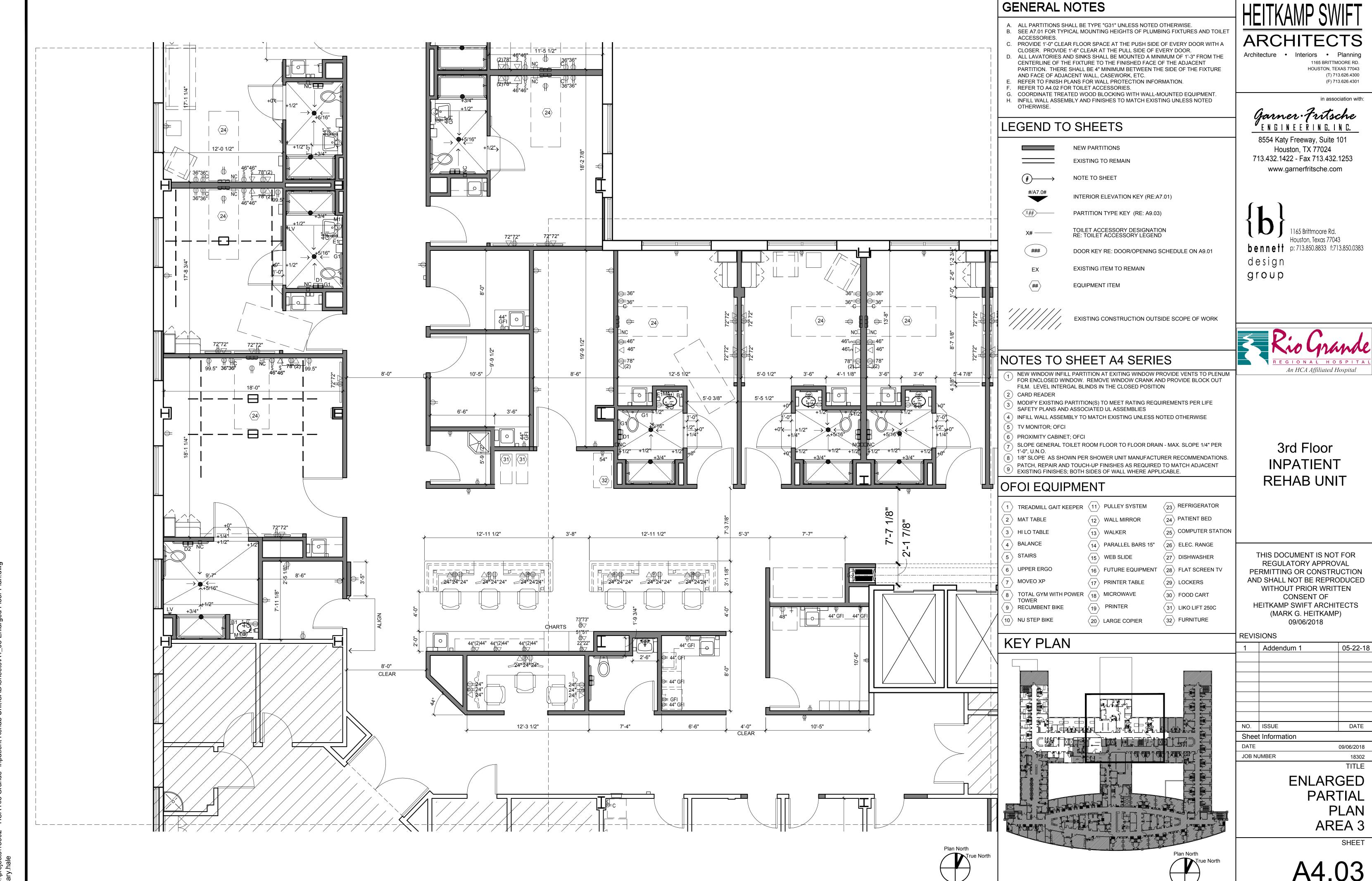
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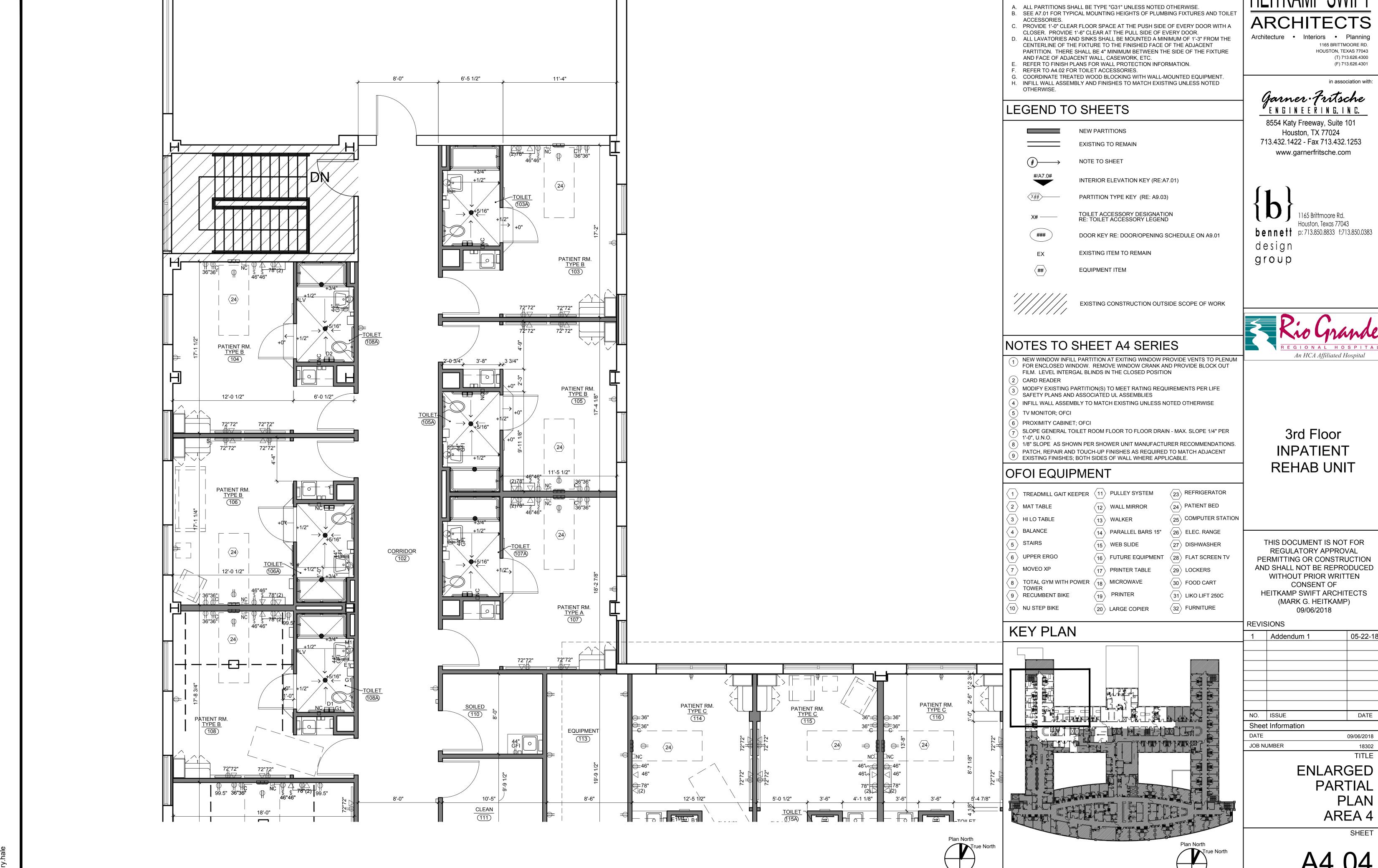


PARTIAL ENLARGED FLOOR PLAN AREA 3

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1/8" : 1'-0"



ENLARGED PARTIAL FLOOR PLAN AREA 4

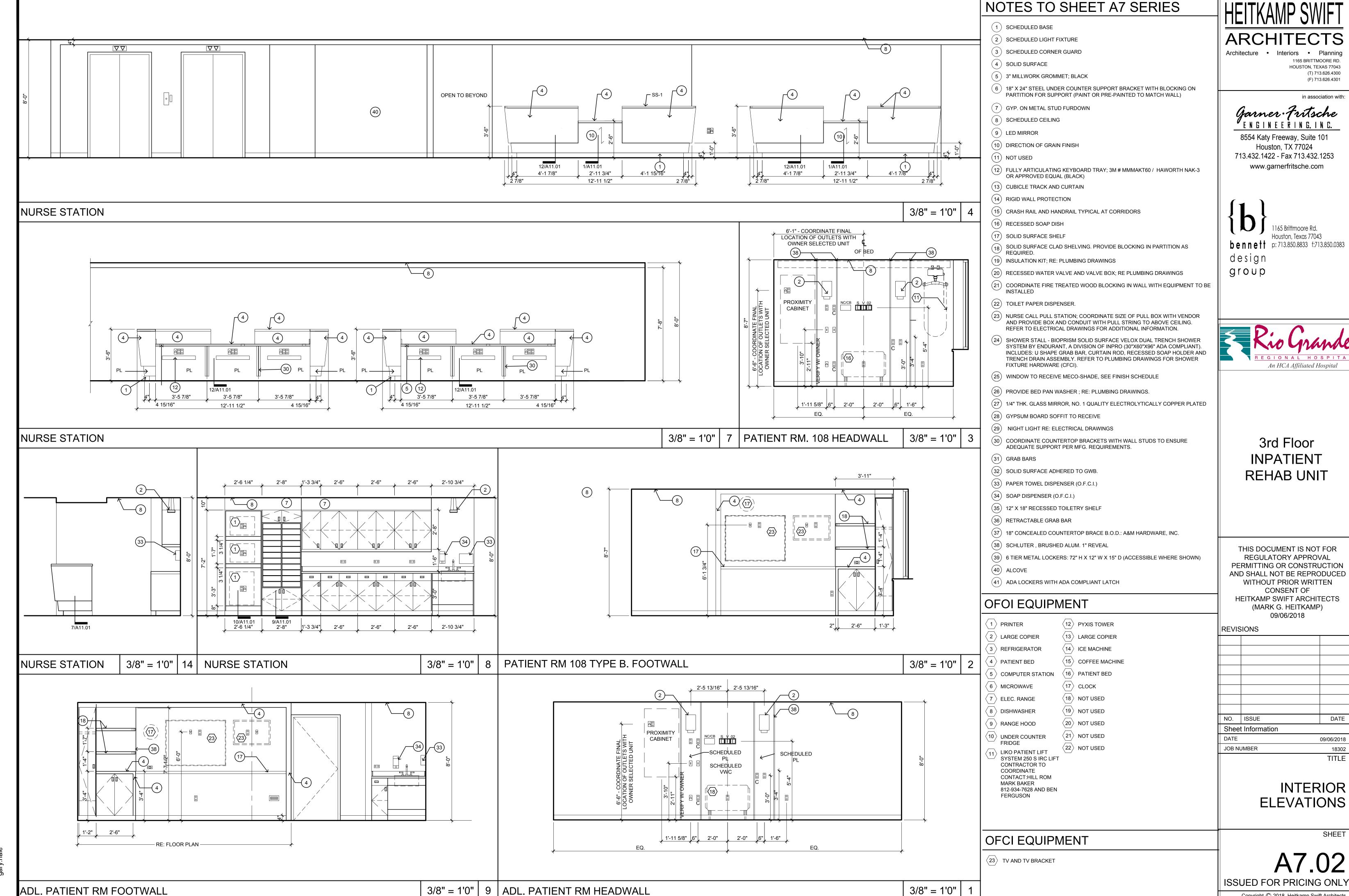
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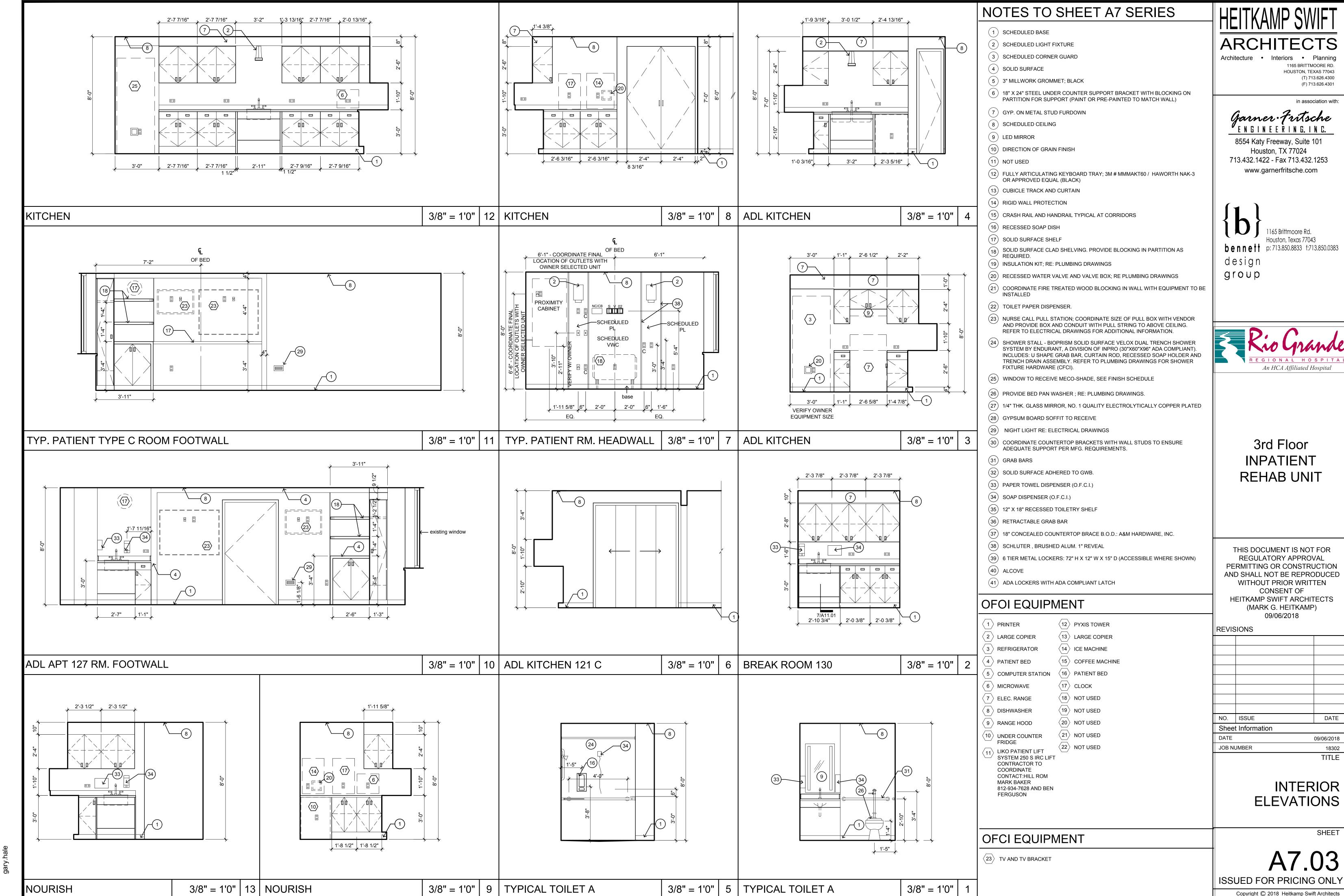
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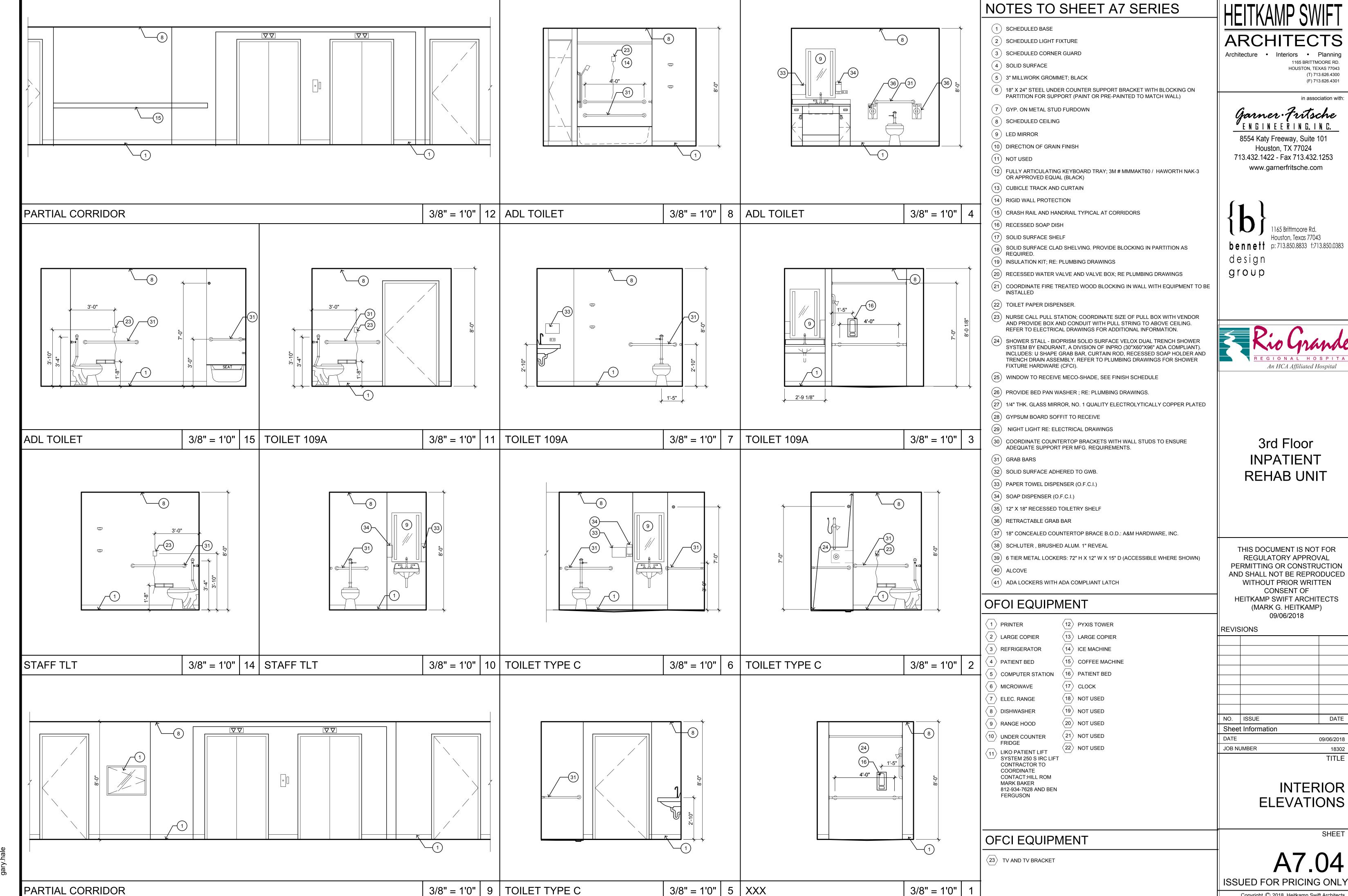
1/4" : 1'-0"

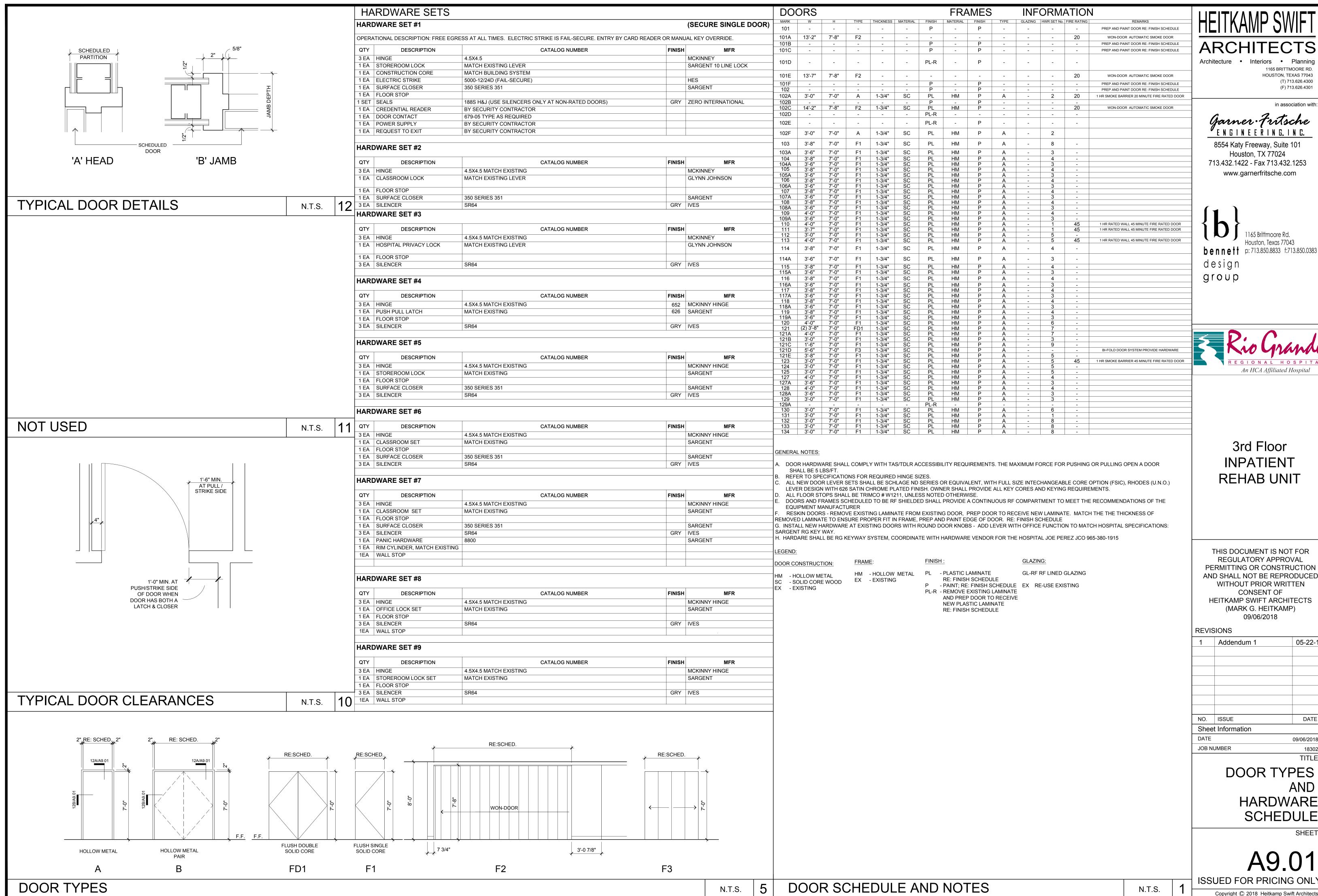
GENERAL NOTES

Sep 08, 2018 - 10.34pm S:\projects\18302 - HCA Rio Grande -Inpatient Rehab Unit\CAD\Sheets\A7_01 Interior Elevations.dwg









HARDWARE

SCHEDULE

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CONSENT OF

09/06/2018

05-22-18

DATE

18302

TITLE

SHEET

09/06/2018

- 1. THE CONTRACT DOCUMENTS ARE A INTENDED TO BE COMPLEMENTARY. THE CONTRACTOR SHALL REVIEW AND CORRELATE THE INTENT AND IS RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT ON ANY ITEMS OR ISSUES IN QUESTION BEFORE PROCEEDING.
- 2. THE CONTRACTOR SHALL CONSULT THE ARCHITECT CONCERNING ANY ITEM OF WORK TO BE PERFORMED NOT SHOWN ON THE DRAWINGS.
- 3. ALL MATERIALS, FIXTURES, CASEWORK AND OTHER ITEMS REMOVED FROM THE PROJECT SITE, UNLESS SPECIFICALLY NOTED OTHERWISE IN THE CONTRACT DOCUMENTS, ARE TO BE DISPOSED OF BY THE CONTRACTOR. THE CONTRACTOR SHALL CONSULT THE OWNER CONCERNING THE DISPOSITION OF ANY ITEMS IN
- 4. CARE TO BE TAKEN TO AVOID DAMAGE TO MEDICAL EQUIPMENT BUILT INTO WALLS SCHEDULED FOR DEMOLITION AND EQUIPMENT TO BE RETURNED TO OWNER OR RELOCATED. PROPERLY DISCONNECT FROM ELECTRICAL, PLUMBING OR MECHANICAL SYSTEM AND SALVAGE.
- 5. UNLESS SHOWN ON THE DRAWINGS BY EXACT DIMENSION, THE CONTRACTOR SHALL VERIFY WITH THE OWNER EXACT LOCATIONS OF ALL ELECTRICAL OUTLETS, TELEPHONE OULETS, SPECIAL DEVICES AND APPURTENANCES INDICATED ON THE DRAWINGS.
- 6. THE CONTRACTOR SHALL ERECT SUCH BARRIER DUST PARTITIONS AND OTHER TEMPORARY CONSTRUCTION AS MAY BE REQUIRED TO ENSURE THE CONTINUED SAFE OPERATION OF ALL AREAS ADJACENT TO THE PROJECT. COORDINATE ALL TEMPORARY CONSTRUCTION WITH OWNER.
- 7. THE CONTRACTOR SHALL REPAIR OR REPLACE, TO THE SATISFACTION OF AND WITHOUT ADDITIONAL COST TO OWNER ANY FURNITURE, FIXTURE, FINISH OR SYSTEM DAMAGED BY THE CONTRACTOR DURING THE EXECUTION OF THE WORK OF THE
- 8. THE CONTRACTOR SHALL CLEAN UP THE CONSTRUCTION SITE AT THE END OF EACH WORKING DAY AND REMOVE ALL TRASH AND DEBRIS FROM THE SITE. THE CONTRACTOR SHALL NOT ALLOW ADJACENT AREAS TO BECOME DUSTY, DIRTY OR CLUTTERED AS A RESULT OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL PERFORM FINAL CLEAN UP PRIOR TO ACCEPTANCE OF THE COMPLETED WORK.
- 9. THE CONTRACTOR SHALL PATCH AND FINISH, TO MATCH EXISTING, ANY ADJACENT ROOMS OR CORRIDORS WHICH ARE AFFECTED IN ANY MANNER BY THIS CONSTRUCTION, INCLUDING THOSE SPACES ABOVE OR BELOW THE SITE WHICH MAY PROVIDE REQUIRED ACCESS TO THE WORK. THE CONTRACTOR SHALL COORDINATE SUCH ADJACENT ACCESS REQUIREMENTS WITH OWNER, ALLOWING AS MUCH ADVANCED NOTICE AS IS PRACTICAL.
- 10. THE CONTRACTOR SHALL FILL AND PATCH ALL OPENINGS, SEAL AROUND ALL PIPES, DUCTS, CONDUIT, ETC., AND ENSURE THE INTEGRITY OF ALL REQUIRED FIRE AND/OR SMOKE SEPARATIONS

PROJECT LOCATION -

GENERAL NOTES CONTINUED

- IN ACCORDANCE WITH APPLICABLE CODES AND ORDINANCES.
- 11. PROVIDE FIRE RETARDANT TREATED WOOD OR NON-COMBUSTIBLE BLOCKING BEHIND EQUIPMENT, ACCESSORIES, ETC. COORDINATE WEIGHT, SIZED AND LOCATION PRIOR TO CLOSING IN WALLS.
- 12. WORK WITH NOISE PRODUCING EQUIPMENT IS SUBJECT, AT ALL TIMES, TO THE OWNER'S APPROVAL OF THE ENTIRE PROCEDURE.
- 13. THE CONTRACTOR SHALL SUBMIT TO THE OWNER A MATERIAL SAFETY DATA SHEET FOR ANY VOLATILE, FLAMMABLE, EXPLOSIVE, CORROSIVE, OR POISONOUS MATERIALS BEFORE DELIVERY TO THE PREMISES.
- 14. G.C. IS RESPONSIBLE FOR COORDINATING AND SCHEDULING WITH OWNER'S EQUIPMENT VENDORS AND/OR TECHNOLOGY CONTRACTOR'S EFFORTS.
- 15. GENERAL CONTRACTOR TO VERIFY OPENING CLEARANCES FOR THE DELIVERY OF EQUIPMENT AND MATERIALS TO THE SITE.
- 16. INSTALL MANUFACTURED ITEMS, FINISHES, MATERIALS AND EQUIPMENT ACCORDING TO THE MANUFACTURER'S REQUIREMENTS AND SPECIFICATIONS, EXCEPT WHEN BASE BUILDING OR FACILITYSPECIFICATIONS ARE MORE STRINGENT. PREPARE SURFACE OR SUBSTRATE TO RECEIVE NEW SCHEDULED FINISHES OR MATERIALS IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
- 17. CONTRACTOR SHALL COORDINATE MOVE SCHEDULE WITH OWNER.

BUILDING KEY MAP

18. FIRE ALARM, SPRINKLER AND ELECTRIC LOCKS TO BE PERMITTED

PROJECT DATA

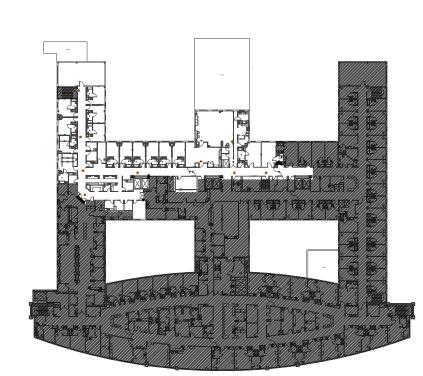
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CODE	2012 IBC
FIRE CODE	2012 IFC
MECHANICAL CODE	2012 IMC
ELECTRICAL CODE	2011 NEC
PLUMBING CODE	2012 IPC
PLUMBING CODE	2012 IPC
ENERGY CODE	2009 IEC

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RIO GRANDE REGIONAL HOSPITAL
101 East Ridge Road
McAllen, Texas 78503
EXISTING
EXISTING
INSTITUTIONAL GROUP I-2
1/240 SF
ION 13,000 SF
THIRD FLOOR
TYPE I - FULLY SPRINKLED
. N/A
N/A
RE:LIFE SAFETY PLAN
RE: ELECTRICAL

INSTITUTIONAL OCCUPANCY, SPRINKLERED BUILDING: EXIT ENCLOSURES AND EXIT PASSAGEWAYS: EXISTING CORRIDORS: EXISTING

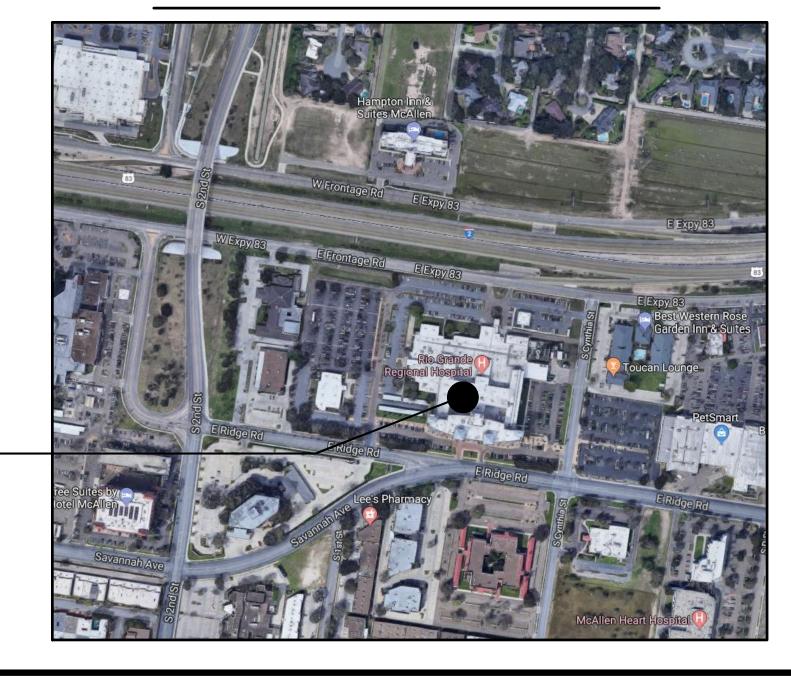
ROOMS AND ENCLOSED SPACES: REFER ID SERIES DRAWINGS



PROJECT LOCATION LEVEL 3



VICINITY MAP



RIO GRANDE REGIONAL HOSPITAL 101 East Ridge Road McAllen, TX 78503

TRUE NORTH

LIST OF DRAWINGS

GENERAL CVR COVER SHEET D0.00 PROJECT DATA D0.01 CITY OF MCALLEN CODE REVIEW **ARCHITECTURAL**

A0.00 | LIFE SAFETY PLAN A1 00 DEMO OVERALL FLOOR PLAN

PARTIAL DEMO PLAN AREA 1	•						
PARTIAL DEMO PLAN AREA 2	•						
OVERALL FLOOR PLAN	•						
PARTIAL FLOOR PLAN AREA 1	•						
PARTIAL FLOOR PLAN AREA 2	•						
OVERALL RCP FLOOR PLAN	•						
PARTIAL RCP FLOOR PLAN AREA 1	•						
PARTIAL RCP FLOOR PLAN AREA 2	•						
ENLARGED PARTIAL PLAN AREA 1	•						
ENLARGED PARTIAL PLAN AREA 2	•						
ENLARGED PARTIAL PLAN AREA 3	•						
ENLARGED PARTIAL PLAN AREA 4	•						
INTERIOR ELEVATIONS	•						
INTERIOR ELEVATIONS	•						
INTERIOR ELEVATIONS	•						
INTERIOR ELEVATIONS	•						
INTERIOR ELEVATIONS	•						
INTERIOR ELEVATIONS	•						
DOOR TYPES AND HARDWARE SCHEDULE	•						
DOOR DETAILS	•						
PARTITION TYPES	•						
MILLWORK SECTIONS	•						
MILLWORK SECTIONS	•						
	PARTIAL DEMO PLAN AREA 2 OVERALL FLOOR PLAN PARTIAL FLOOR PLAN AREA 1 PARTIAL FLOOR PLAN AREA 2 OVERALL RCP FLOOR PLAN PARTIAL RCP FLOOR PLAN AREA 1 PARTIAL RCP FLOOR PLAN AREA 1 PARTIAL RCP FLOOR PLAN AREA 2 ENLARGED PARTIAL PLAN AREA 1 ENLARGED PARTIAL PLAN AREA 3 ENLARGED PARTIAL PLAN AREA 3 ENLARGED PARTIAL PLAN AREA 4 INTERIOR ELEVATIONS DOOR TYPES AND HARDWARE SCHEDULE DOOR DETAILS PARTITION TYPES MILLWORK SECTIONS	PARTIAL DEMO PLAN AREA 2 OVERALL FLOOR PLAN PARTIAL FLOOR PLAN AREA 1 PARTIAL FLOOR PLAN AREA 2 OVERALL RCP FLOOR PLAN PARTIAL RCP FLOOR PLAN AREA 1 PARTIAL RCP FLOOR PLAN AREA 1 PARTIAL RCP FLOOR PLAN AREA 2 ENLARGED PARTIAL PLAN AREA 1 ENLARGED PARTIAL PLAN AREA 2 ENLARGED PARTIAL PLAN AREA 3 ENLARGED PARTIAL PLAN AREA 4 INTERIOR ELEVATIONS INTERIOR	PARTIAL DEMO PLAN AREA 2 OVERALL FLOOR PLAN PARTIAL FLOOR PLAN AREA 1 PARTIAL FLOOR PLAN AREA 2 OVERALL RCP FLOOR PLAN PARTIAL RCP FLOOR PLAN AREA 1 PARTIAL RCP FLOOR PLAN AREA 1 PARTIAL RCP FLOOR PLAN AREA 2 ENLARGED PARTIAL PLAN AREA 2 ENLARGED PARTIAL PLAN AREA 2 ENLARGED PARTIAL PLAN AREA 3 ENLARGED PARTIAL PLAN AREA 4 INTERIOR ELEVATIONS DOOR TYPES AND HARDWARE SCHEDULE DOOR DETAILS PARTITION TYPES MILLWORK SECTIONS	PARTIAL DEMO PLAN AREA 2 OVERALL FLOOR PLAN PARTIAL FLOOR PLAN AREA 1 PARTIAL FLOOR PLAN AREA 2 OVERALL RCP FLOOR PLAN AREA 2 OVERALL RCP FLOOR PLAN AREA 1 PARTIAL RCP FLOOR PLAN AREA 1 PARTIAL RCP FLOOR PLAN AREA 2 ENLARGED PARTIAL PLAN AREA 2 ENLARGED PARTIAL PLAN AREA 2 ENLARGED PARTIAL PLAN AREA 3 ENLARGED PARTIAL PLAN AREA 4 INTERIOR ELEVATIONS DOOR TYPES AND HARDWARE SCHEDULE DOOR DETAILS PARTITION TYPES MILLWORK SECTIONS	PARTIAL DEMO PLAN AREA 2 OVERALL FLOOR PLAN PARTIAL FLOOR PLAN AREA 1 PARTIAL FLOOR PLAN AREA 2 OVERALL RCP FLOOR PLAN AREA 2 OVERALL RCP FLOOR PLAN AREA 1 PARTIAL RCP FLOOR PLAN AREA 1 PARTIAL RCP FLOOR PLAN AREA 1 PARTIAL RCP FLOOR PLAN AREA 2 ENLARGED PARTIAL PLAN AREA 1 ENLARGED PARTIAL PLAN AREA 2 ENLARGED PARTIAL PLAN AREA 3 ENLARGED PARTIAL PLAN AREA 4 INTERIOR ELEVATIONS DOOR TYPES AND HARDWARE SCHEDULE DOOR DETAILS PARTITION TYPES MILLWORK SECTIONS	PARTIAL DEMO PLAN AREA 2 OVERALL FLOOR PLAN PARTIAL FLOOR PLAN AREA 1 PARTIAL FLOOR PLAN AREA 2 OVERALL RCP FLOOR PLAN AREA 2 OVERALL RCP FLOOR PLAN AREA 1 PARTIAL RCP FLOOR PLAN AREA 1 PARTIAL RCP FLOOR PLAN AREA 1 PARTIAL RCP FLOOR PLAN AREA 2 ENLARGED PARTIAL PLAN AREA 1 ENLARGED PARTIAL PLAN AREA 2 ENLARGED PARTIAL PLAN AREA 3 ENLARGED PARTIAL PLAN AREA 4 INTERIOR ELEVATIONS DOOR TYPES AND HARDWARE SCHEDULE DOOR DETAILS PARTITION TYPES MILLWORK SECTIONS	PARTIAL DEMO PLAN AREA 2 OVERALL FLOOR PLAN PARTIAL FLOOR PLAN AREA 1 PARTIAL FLOOR PLAN AREA 2 OVERALL RCP FLOOR PLAN AREA 2 OVERALL RCP FLOOR PLAN PARTIAL RCP FLOOR PLAN AREA 1 PARTIAL RCP FLOOR PLAN AREA 2 ENLARGED PARTIAL PLAN AREA 1 ENLARGED PARTIAL PLAN AREA 2 ENLARGED PARTIAL PLAN AREA 3 ENLARGED PARTIAL PLAN AREA 4 INTERIOR ELEVATIONS ON THE PLAN AREA A SECHEDULE DOOR TYPES AND HARDWARE SCHEDULE DOOR DETAILS PARTITION TYPES MILLWORK SECTIONS

INTERIORS

			_	 	 _
ID1.00	FINISH SCHEDULE	•			
ID1.01	FINISH PLAN	•			
ID1.02	PARTIAL FINISH PLAN	•			

S3.01 FRAMING DETAILS

101.02	17 (ICTI/ICT II VIOTT E/ IIV	•	i		
STRU	JCTURAL				
S1 01	3RD FLOOR FRAMING PLAN	•			

MECHANICAL

					
M0.00	INFORMATION SHEET - MECHANICAL	•			
M0.01	SCHEDULES - MECHANICAL	•			
M1.01	DEMOLITION PLAN - MECHANICAL	•			
M1.02	DEMOLITION PIPING PLAN - MECHANICAL	•			
M2.01	FLOOR PLAN - MECHANICAL	•			
M3.01	PIPING PLAN - MECHANICAL	•			
M4.01	ENLARGED PLAN - MECHANICAL	•			
M5.01	DETAILS - MECHANICAL	•			
M5.02	DETAILS - MECHANICAL	•			
MEP6.02	TEMPORARY AHU PLAN - MECHANICAL	•			

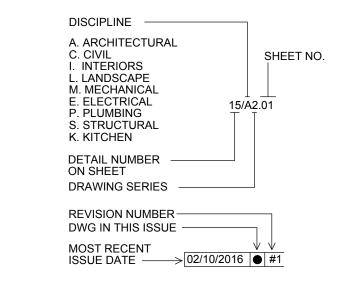
ELECTRICAL

E0.00	INFORMATION SHEET - ELECTRICAL	•			
E0.01	PANEL SCHEDULES - ELECTRICAL	•			
E1.01	DEMOLITION PLAN - AREA 1 - ELECTRICAL	•			
E1.02	DEMOLITION PLAN - AREA 2 - ELECTRICAL	•			
E2.01	FLOOR PLAN - AREA 1 - LIGHTING	•			
E2.02	FLOOR PLAN - AREA 2 - LIGHTING	•			
E3.01	FLOOR PLAN - AREA 1 - POWER	•			
E3.02	FLOOR PLAN - AREA 2 - POWER	•			
E4.00	PARTIAL OVERALL 1ST FLOOR PLAN - EQUIPMENT POWER	•			
E4.01	FLOOR PLAN - AREA 1 - EQUIPMENT POWER	•			
E4.02	FLOOR PLAN - AREA 2 - EQUIPMENT POWER	•			
E5.01	FLOOR PLAN - AREA 1 - SPECIAL SYSTEMS	•			
E5.02	FLOOR PLAN - AREA 2 - SPECIAL SYSTEMS	•			
E6.01	DETAILS - ELECTRICAL	•			

PLUMBING

LOIV					
P0.00	INFORMATION SHEET - PLUMBING	•			
P0.01	SCHEDULE SHEET - PLUMBING	•			
P1.01	DEMOLITION PLAN - PLUMBING	•			
P2.00	UNDER FLOOR PLAN - PLUMBING	•			
P2.01	FLOOR PLAN - PLUMBING	•			
P2.02	ENLARGED FLOOR PLANS - PLUMBING	•			
P2.03	ENLARGED FLOOR PLANS - PLUMBING	•			
P2.04	ENLARGED FLOOR PLANS - PLUMBING	•			
P2.05	ENLARGED FLOOR PLANS - PLUMBING	•			
P3.01	FLOOR PLAN - MED GAS AND FIRE PROTECTION	•			
P4.01	DETAILS - PLUMBING	•			
P5.01	RISERS - PLUMBING	•			

DRAWING NUMBER KEY



PROJECT DESCRIPTON

RENOVATION OF APPROXIMATELY 16,000 SF OF EXISTING INTERIOR SPACE AND PATIENT ROOMS.

EGRESS PATH IS NOT AFFECTED BY REMODELING PROJECT

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3rd Floor **INPATIEN REHAB UNIT**

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(MARK G. HEITKAMP) 09/06/2018 REVISIONS

JOB NUMBER

NO. ISSUE DATE **Sheet Information**

> **PROJECT** DATA

> > SHEET

09/06/2018

TITLE

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