

UNIVERSITY MEDICAL CENTER 5TH FLOOR PATIENT ROOM RENOVATIONS

602 INDIANA AVENUE
LUBBOCK, TEXAS 79415

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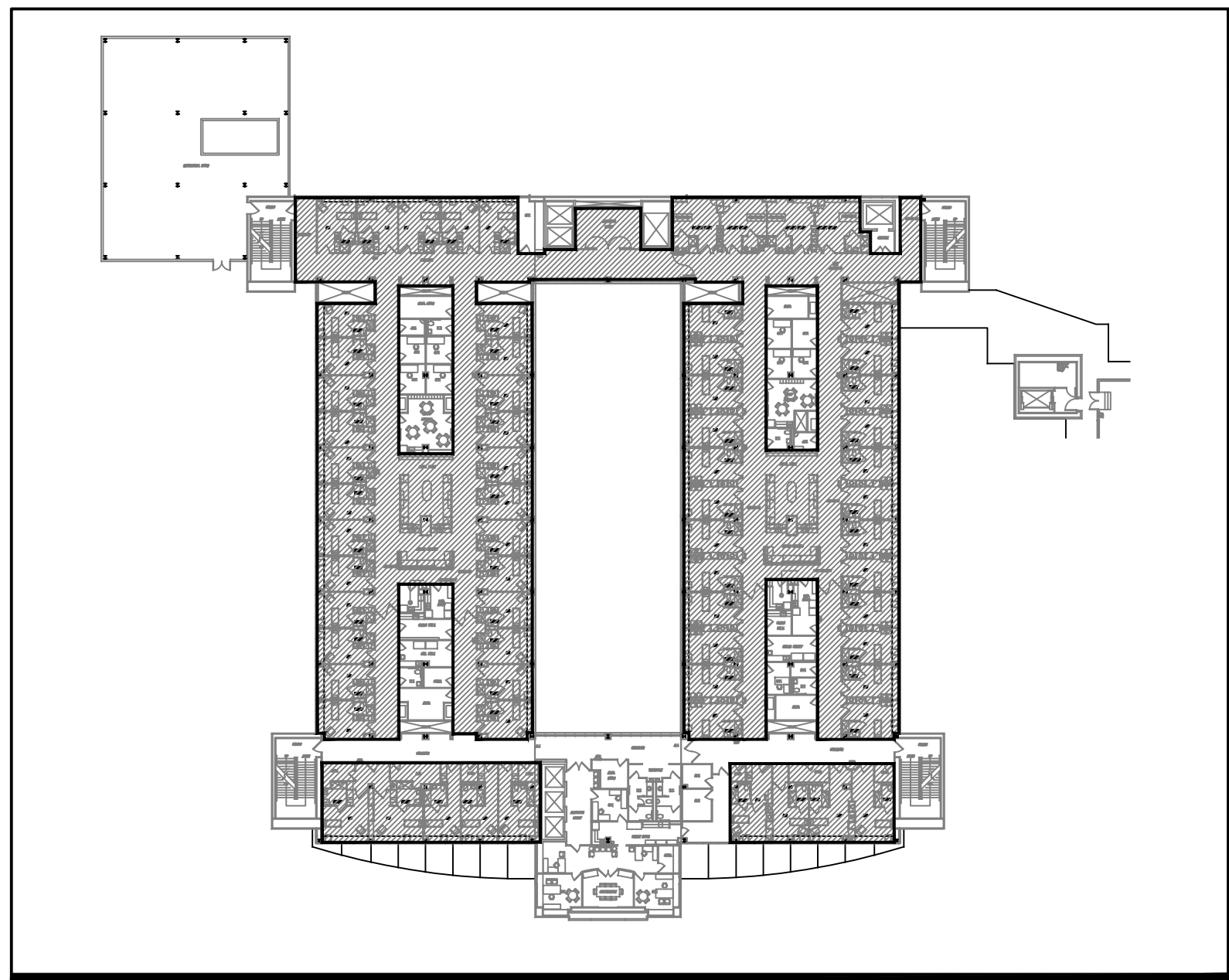
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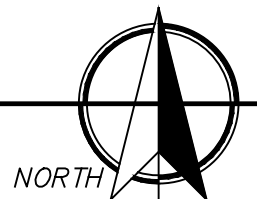
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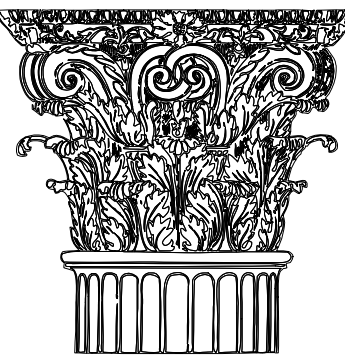


UMC FIFTH FLOOR SCOPE OF WORK

NOT TO SCALE



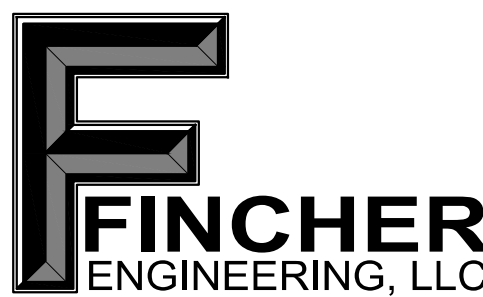
09-20-2019
CONDRA Y



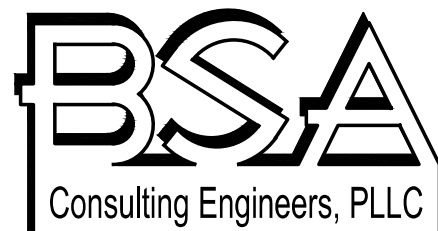
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LUBBOCK, TX 79424
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WWW.FINCHERENG.COM



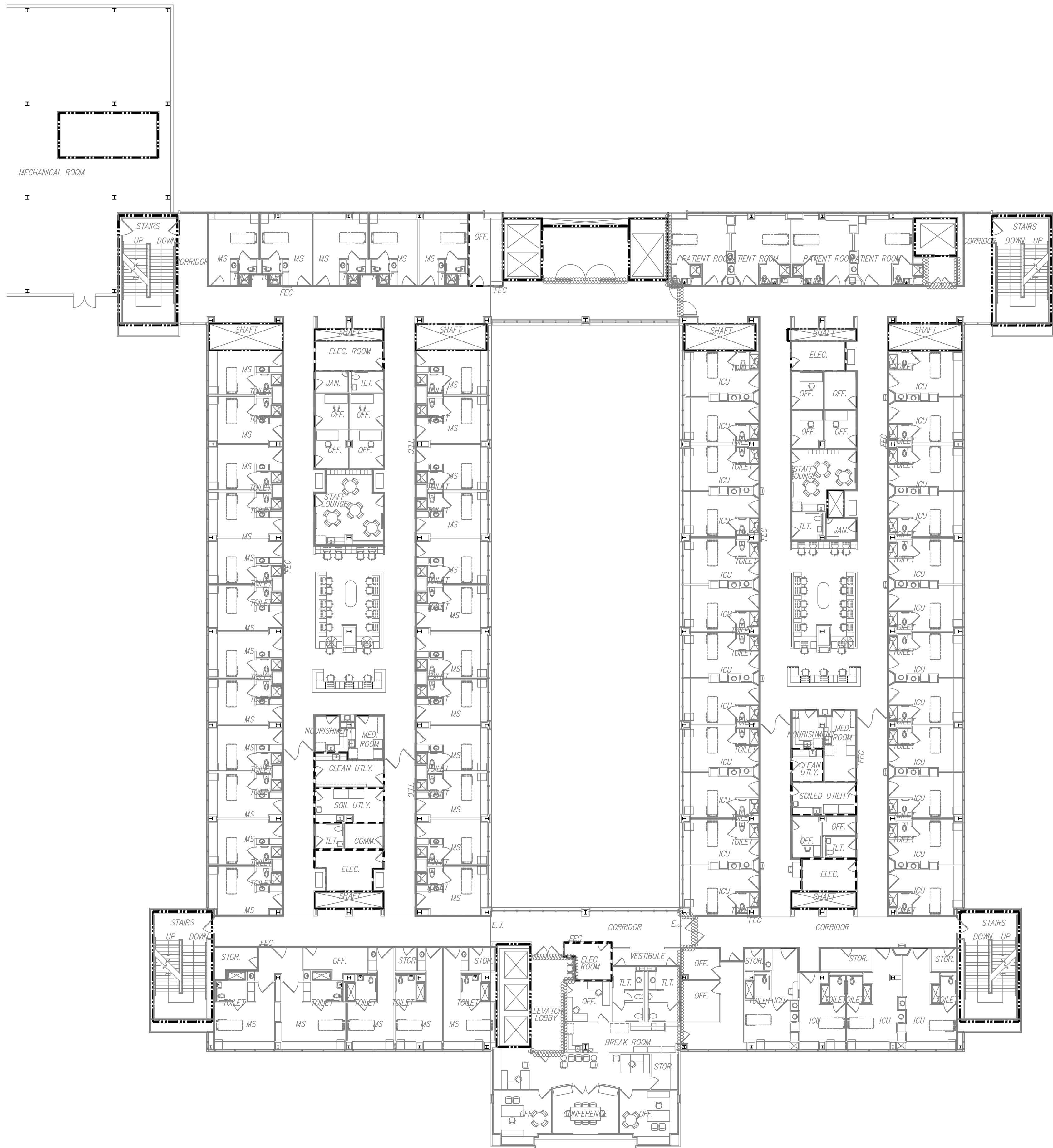
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UNIVERSITY MEDICAL CENTER
5TH FLOOR PATIENT ROOM
RENOVATIONS

SET NUMBER

CDG PROJ NO.
DATE:

21823
09/20/2019



LIFE SAFETY PLAN LEGEND

FIRE RATED ASSEMBLY LEGEND. AREAS HAVE BEEN SHOWN OUTSIDE THE AREA OF WORK FOR REFERENCE ONLY. THE CONTRACTOR'S RESPONSIBILITY FOR CONSTRUCTION OR MAINTENANCE OF FIRE RATED ASSEMBLIES IS LIMITED ONLY TO THE AREAS OF WORK.

2 HOUR FIRE RATED ASSEMBLY
ANY NEW PENETRATIONS ARE TO BE SEALED WITH UL RATED SYSTEMS.

1 HOUR FIRE RATED ASSEMBLY
FRAME NEW WALLS TO DECK AND SEAL TOP AND BOTTOM JOINTS WITH UL RATED JOINT SYSTEMS. AT EXISTING WALLS, EXTEND TO DECK ABOVE AS NECESSARY AND SEAL JOINTS. ALL PENETRATIONS, NEW OR EXISTING, ARE TO BE SEALED WITH UL RATED SYSTEMS.

NON-RATED SMOKE PARTITION

DOOR APPROACH AND CLEARANCE

SMOKE BARRIER, 1 HOUR FIRE RATED ASSEMBLY.

PROJECT INFORMATION

OWNER: UMC HEALTH SYSTEM
602 INDIANA AVENUE
LUBBOCK, TX

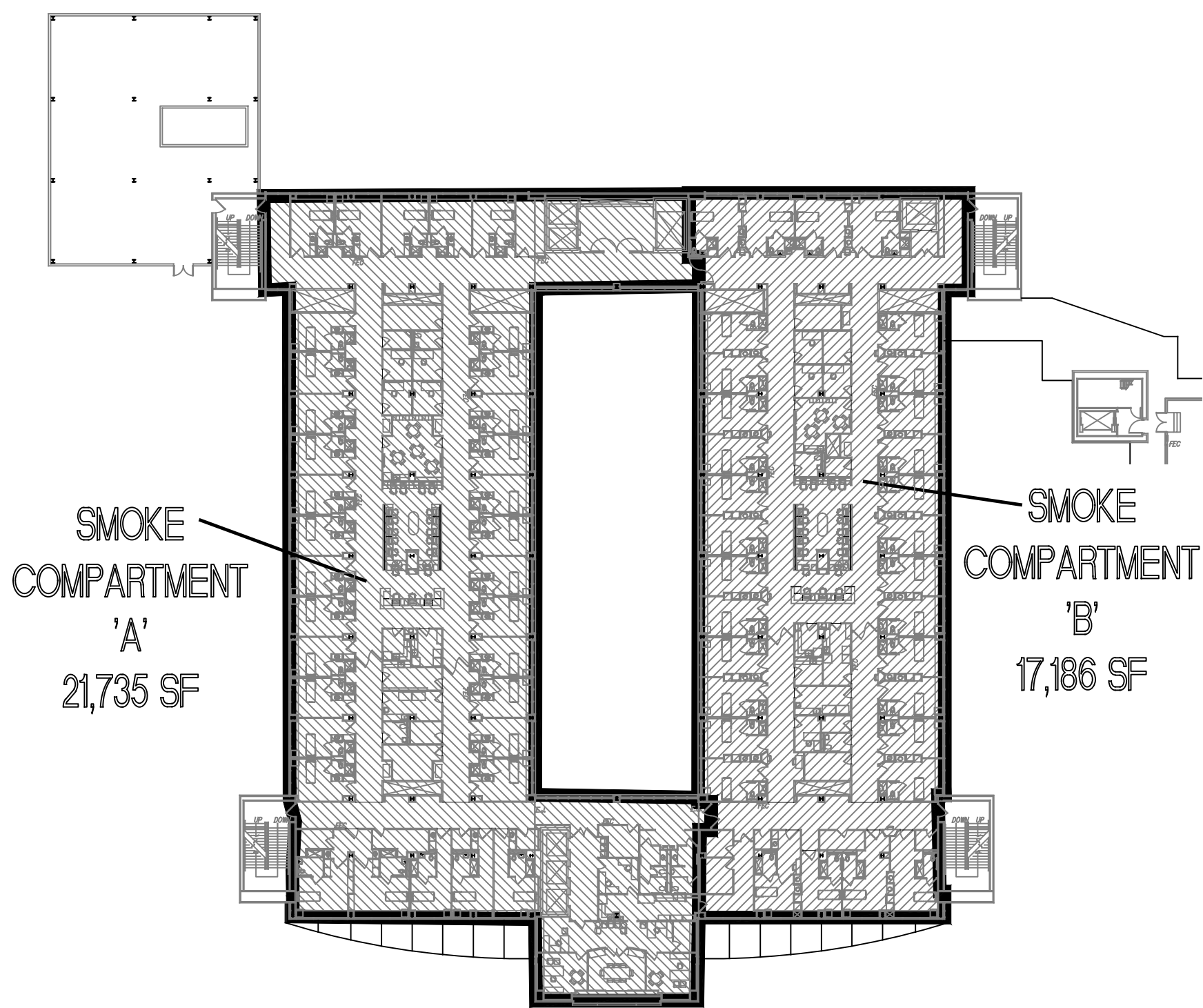
BUILDING CODES: 2012 INTERNATIONAL BUILDING CODE
2011 NATIONAL ELECTRICAL CODE
2015 INTERNATIONAL FUEL GAS CODE
2015 INTERNATIONAL RESIDENTIAL CODE
2012 INTERNATIONAL FIRE CODE
2009 INTERNATIONAL ENERGY CONSERVATION CODE
2012 INTERNATIONAL ELECTRICAL CODE
2012 INTERNATIONAL PLUMBING CODE
2012 INTERNATIONAL MECHANICAL CODE
2012 TEXAS ACCESSIBILITY STANDARDS
2012 NFPA 101
2012 NFPA 99

FIFTH FLOOR BUILDING AREA: 38,921 S.F.

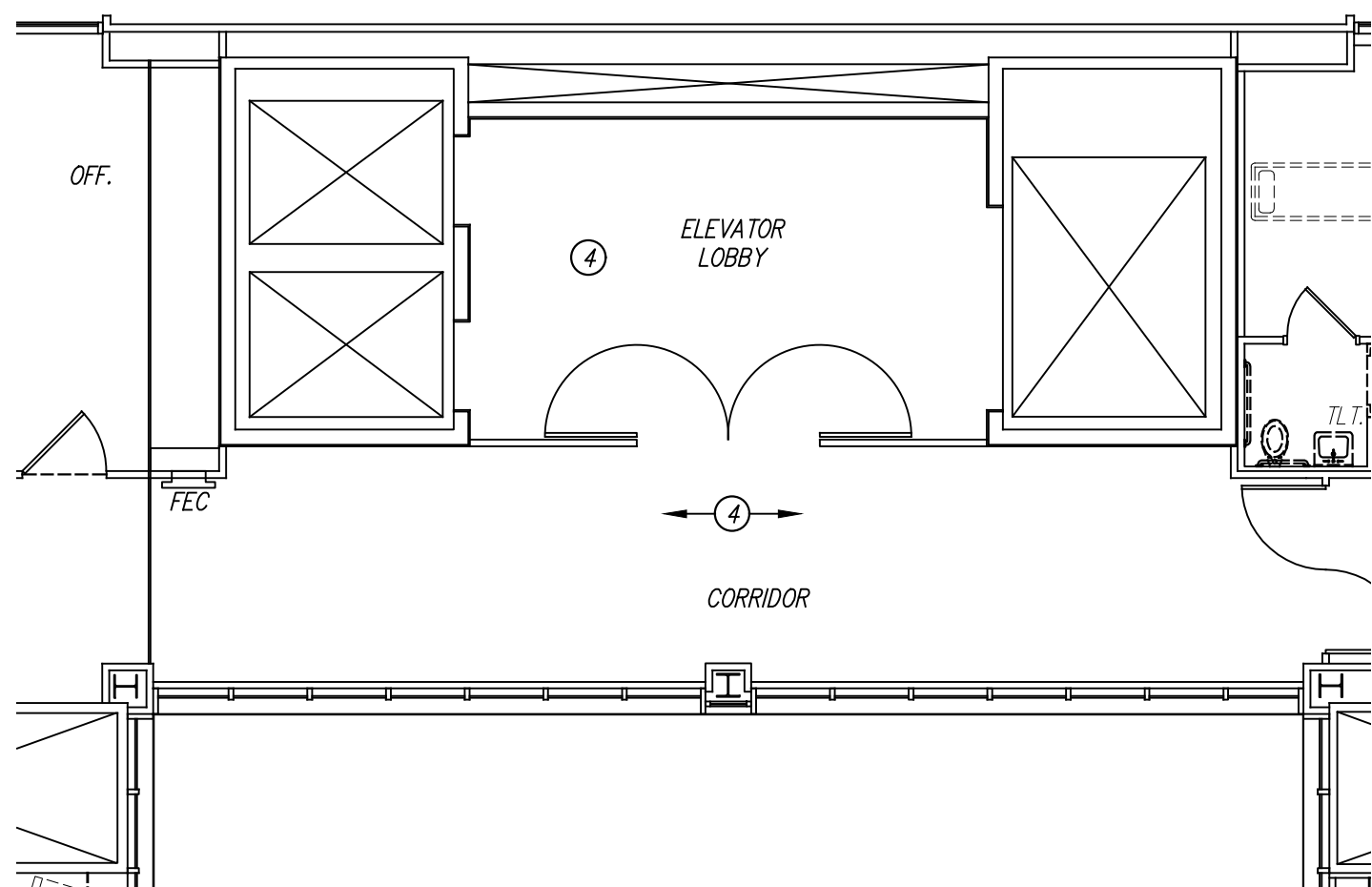
SCOPE OF WORK: 25,712 S.F.

OCCUPANCY: INSTITUTIONAL GROUP I-2

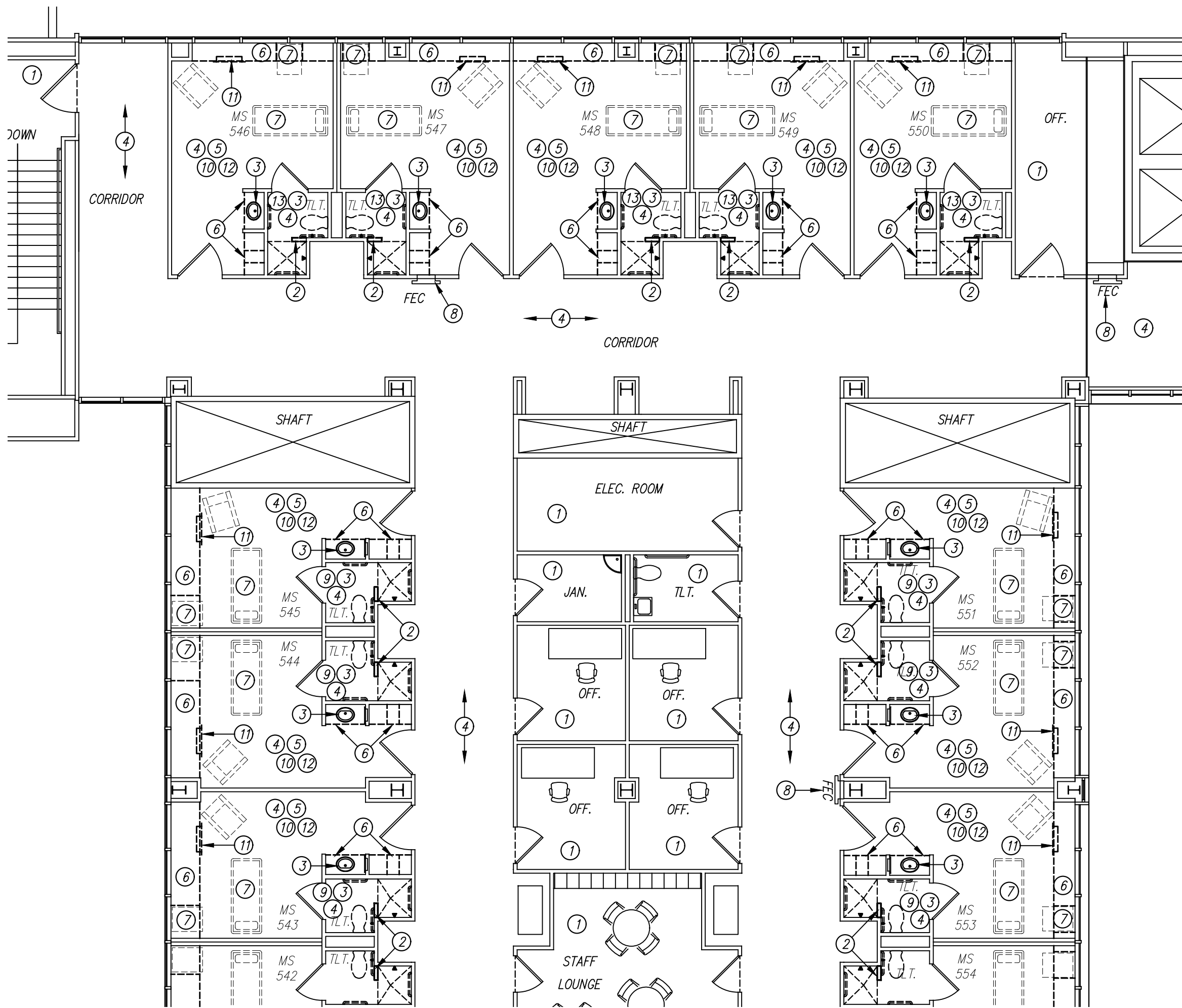
CONSTRUCTION TYPE: TYPE I-A FULLY SPRINKLED



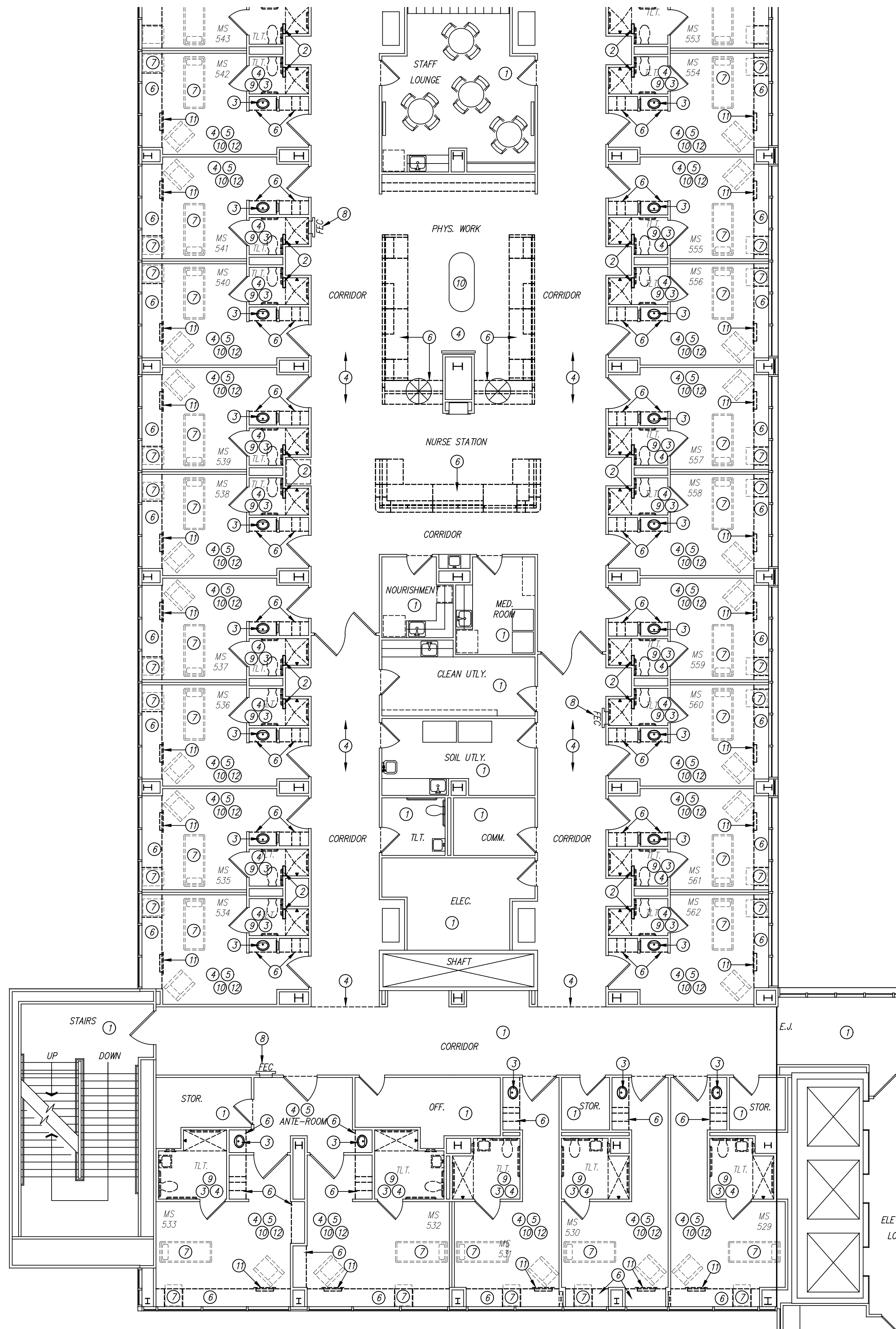




25/A1 FIFTH FLOOR-PARTIAL DEMOLITION PLAN-NORTH ELEVATOR LOBBY
SCALE: 1/8" = 1'-0"



28/A1 FIFTH FLOOR-PARTIAL DEMOLITION PLAN-WEST
SCALE: 1/8" = 1'-0"



16/A1 FIFTH FLOOR-PARTIAL DEMOLITION PLAN-WEST
SCALE: 1/8" = 1'-0"



GENERAL NOTES

- REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL SHEETS, WHERE APPLICABLE, FOR ADDITIONAL DEMOLITION INFORMATION.
- ON ALL WALLS SCHEDULED TO REMAIN TO BE REWORKED OR RECEIVE NEW FINISH, CONTRACTOR SHALL REMOVE ANY EXISTING EQUIPMENT, DECORATIONS, DEVICES, ETC. AND SALVAGE FOR REINSTALLATION AS DIRECTED BY OWNER. CONTRACTOR IS TO PATCH BACK ANY HOLES OR ABANDONED ANCHORS AND RETEXTURE WALLS IF NECESSARY, AND PREP FOR NEW FINISH AS SCHEDULED.
- NOTIFY ARCHITECT OF ANY DISCREPANCIES WITH EXISTING OR NEW CONDITIONS.
- CONTRACTOR SHALL PATCH AND REPAIR WALLS, FLOOR, AND CEILINGS AT ALL INTERSECTIONS WHERE WALLS ARE REMOVED OR WHERE DEVICES, EQUIPMENT, ACCESSORIES, ETC. ARE REMOVED. PREP WALLS TO RECEIVE NEW FINISH. NEW CONSTRUCTION SHOULD MATCH ADJACENT FINISHES AND MATERIALS AND PROVIDE SMOOTH AND COMPLETE TRANSITION.
- ALL ITEMS INDICATED TO BE SALVAGED ARE TO BE VERIFIED WITH THE OWNER. IF OWNER DECLINES SALVAGE, CONTRACTOR SHALL REMOVE ITEMS FROM THE SITE AND DISPOSE OF THEM PROPERLY.
- ALL ABANDONED PIPING, CONDUIT, WIRING, ETC. IS TO BE REMOVED BACK TO THE SOURCE, I.E. FURTHER JOINT WHERE NOTHING ELSE IS SERVED OFF OF THE SAME FEED.
- CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND REINSTALLATION OF ANY PLUMBING FIXTURES, ELECTRICAL ITEMS, TOILET ACCESSORIES, WALL-HUNG EQUIPMENT, ETC. WHERE WALLS ARE TO RECEIVE NEW FINISHES. ALL ITEMS ARE TO BE REINSTALLED IN COMPLIANCE WITH T.A.S. REQUIREMENTS.
- REMOVE EXISTING CEILING TILES, GRID, LIGHT FIXTURES AND DEVICES TO ACCOMMODATE NEW WORK. REFER TO MPE FOR MORE INFORMATION.
- REMOVE/REPAIR ANY ABANDONED WALL ANCHORS OR HOLES FOR NEW FINISH.
- PATCH BACK AND REPAIR ALL WALLS, CEILING AND FLOORS WHERE DAMAGES DUE TO FIXTURE OR DEVICE REMOVAL/RELOCATION. MATCH MATERIAL OR EXISTING SURROUNDING CONDITIONS.
- ALL EXISTING FLOORING TO BE REMOVED AS REQUIRED TO ACCOMMODATE NEW WORK. REFER TO FINISH SCHEDULE.
- ALL SHOWERS TO BE PREPPED AS FOLLOWS FOR SOLID SURFACE MATERIAL INSTALLATION:
 - REMOVE FLOOR AND ALL FINISHES IN THEIR ENTIRETY.
 - REMOVE GYPSUM BOARD 2'-0" A.F.F. FOR RECEPTOR INSTALLATION.
 - REPLACE WITH NEW GYPSUM BOARD AS SPECIFIED AFTERWARDS.

KEYED NOTES

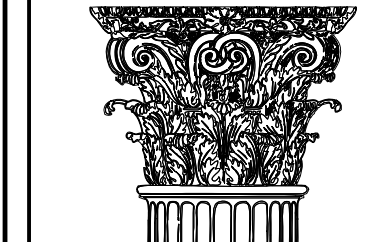
DESIGNATED BY: ①

- NO WORK IN THIS AREA.
- REMOVE WING WALL TO ACCOMMODATE NEW WORK. PATCH AND REPAIR WALL AND CEILING WHERE WING WALL WAS REMOVED.
- REMOVE EXISTING PLUMBING FIXTURE(S) AND ACCESSORIES. SALVAGE FOR REINSTALLATION. PREP WALLS FOR NEW FINISH. REFER TO PLUMBING DRAWINGS.
- REMOVE ALL EXISTING FLOORING AND BASE IN THEIR ENTIRETY. PREP FLOOR FOR NEW FINISH. REFER TO FINISH AND MATERIAL SCHEDULES.
- PREP ALL WALLS SCHEDULED TO REMAIN TO RECEIVE NEW PAINT. REMOVE ANY ABANDONED ANCHORS. REPAIR ANY COUGES OR HOLES AND RE-TEXTURE WALLS AS REQUIRED TO MATCH EXISTING TEXTURED WALLS.
- REMOVE EXISTING MILLWORK IN ITS ENTIRETY.
- COORDINATE REMOVAL OR RELOCATION OF EXISTING EQUIPMENT WITH OWNER.
- EXISTING FIRE EXTINGUISHER CABINET TO REMAIN.
- REMOVE EXISTING LINOLEUM WALL FINISH IN ITS ENTIRETY. PREP WALL FOR NEW FINISH AS SCHEDULED.
- REMOVE EXISTING FURNITURE. SALVAGE FOR OWNER REUSE.
- REMOVE EXISTING LOW RETURN AND GRILL IN EXISTING MILLWORK SILL. REFER TO MECHANICAL DRAWINGS.
- COORDINATE REMOVAL AND REINSTALLATION OF ALL HEADWALL AND FOOTWALL DEVICES AND EQUIPMENT WITH OWNER AS NECESSARY TO COMPLY WITH PATIENT ROOM ELEVATIONS.
- REMOVE EXISTING WALL TILE AND REPAIR EXISTING GYPSUM BOARD AS NECESSARY FOR INSTALLATION OF NEW FINISH AS SCHEDULED.

DEMOLITION PLAN LEGEND

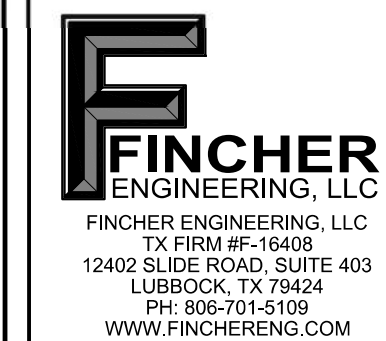
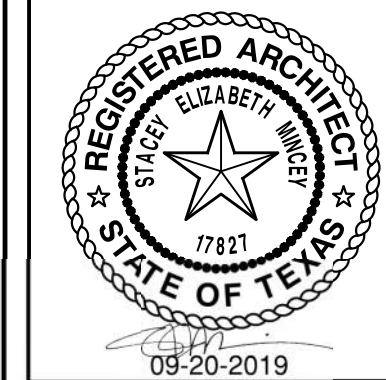
- EXISTING DOOR TO BE REMOVED
- EXISTING DOOR TO REMAIN
- EXISTING WALL TO BE REMOVED
- EXISTING WALL TO REMAIN

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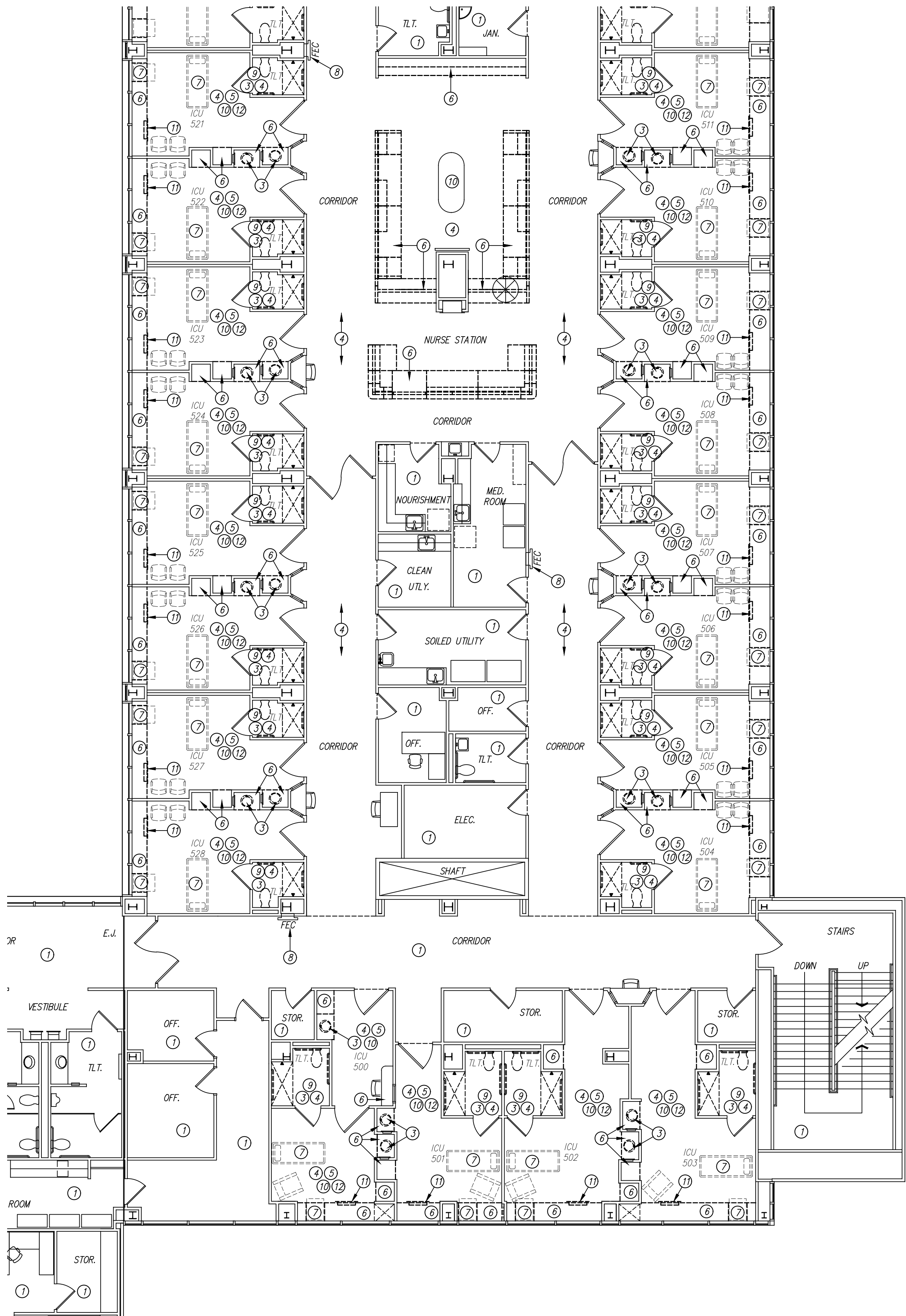
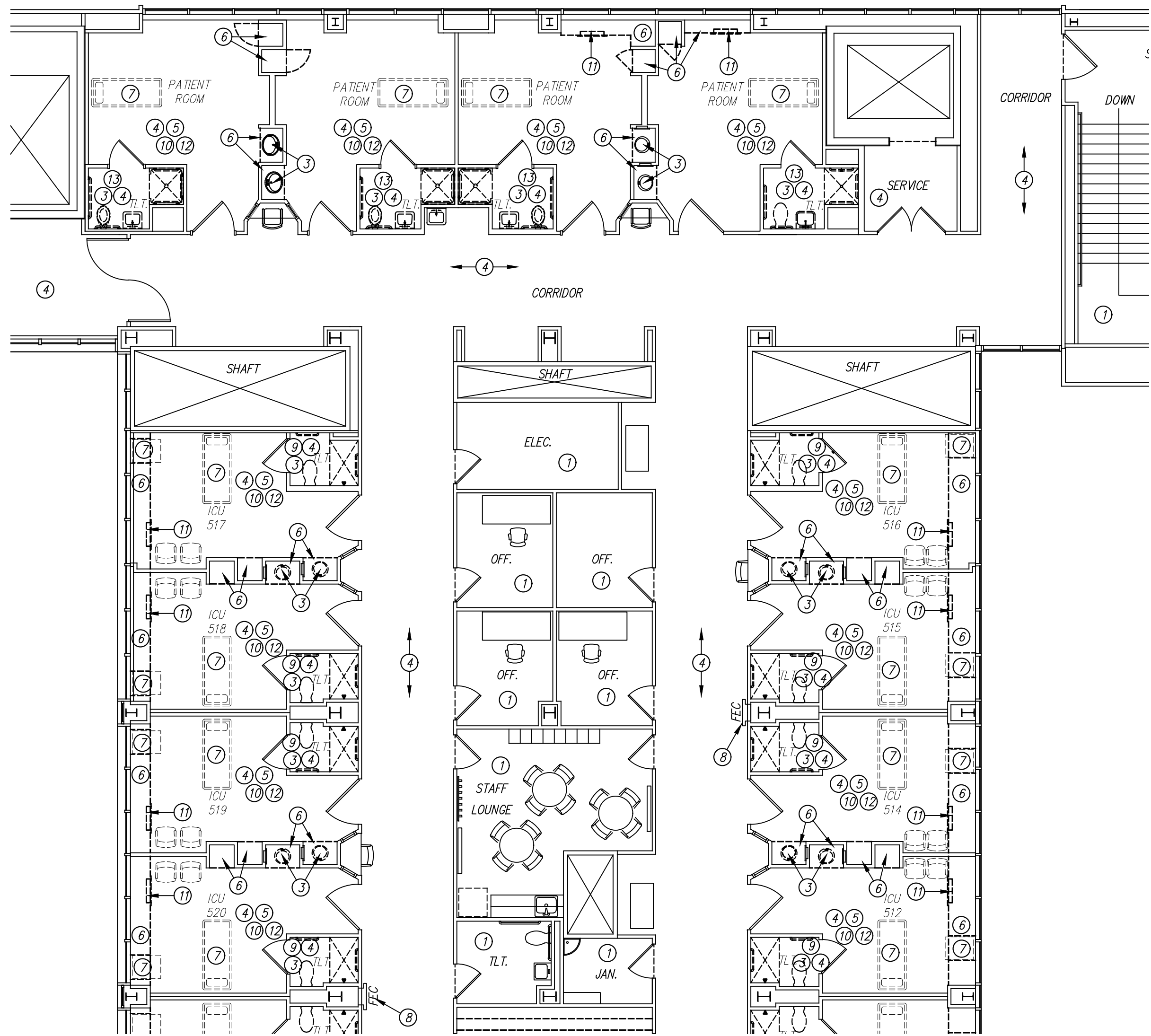
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PROJECT NO. 21823
DATE: 09/20/2019


SHEET NO.
A1
1 OF 12



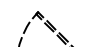



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 - REPLACE WITH NEW GYPSUM BOARD AS SPECIFIED AFTERWARDS.

KEYED NOTES

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DEMOLITION PLAN LEGEND

-  EXISTING DOOR TO BE REMOVED
-  EXISTING DOOR TO REMAIN
-  EXISTING WALL TO BE REMOVED
-  EXISTING WALL TO REMAIN

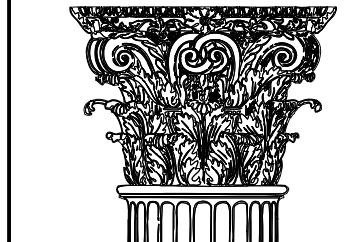
28/A2 FIFTH-PARTIAL DEMOLITION PLAN-EAST
SCALE: 1/8" = 1'-0"



16/A2 FIFTH FLOOR-PARTIAL DEMOLITION PLAN-EAST
SCALE: 1/8" = 1'-0"

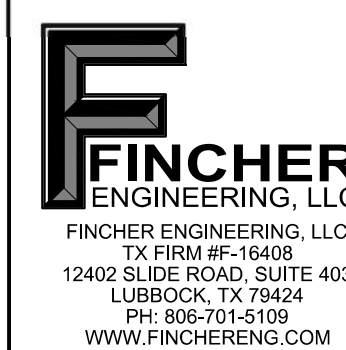
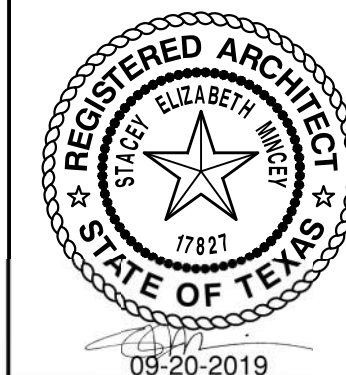


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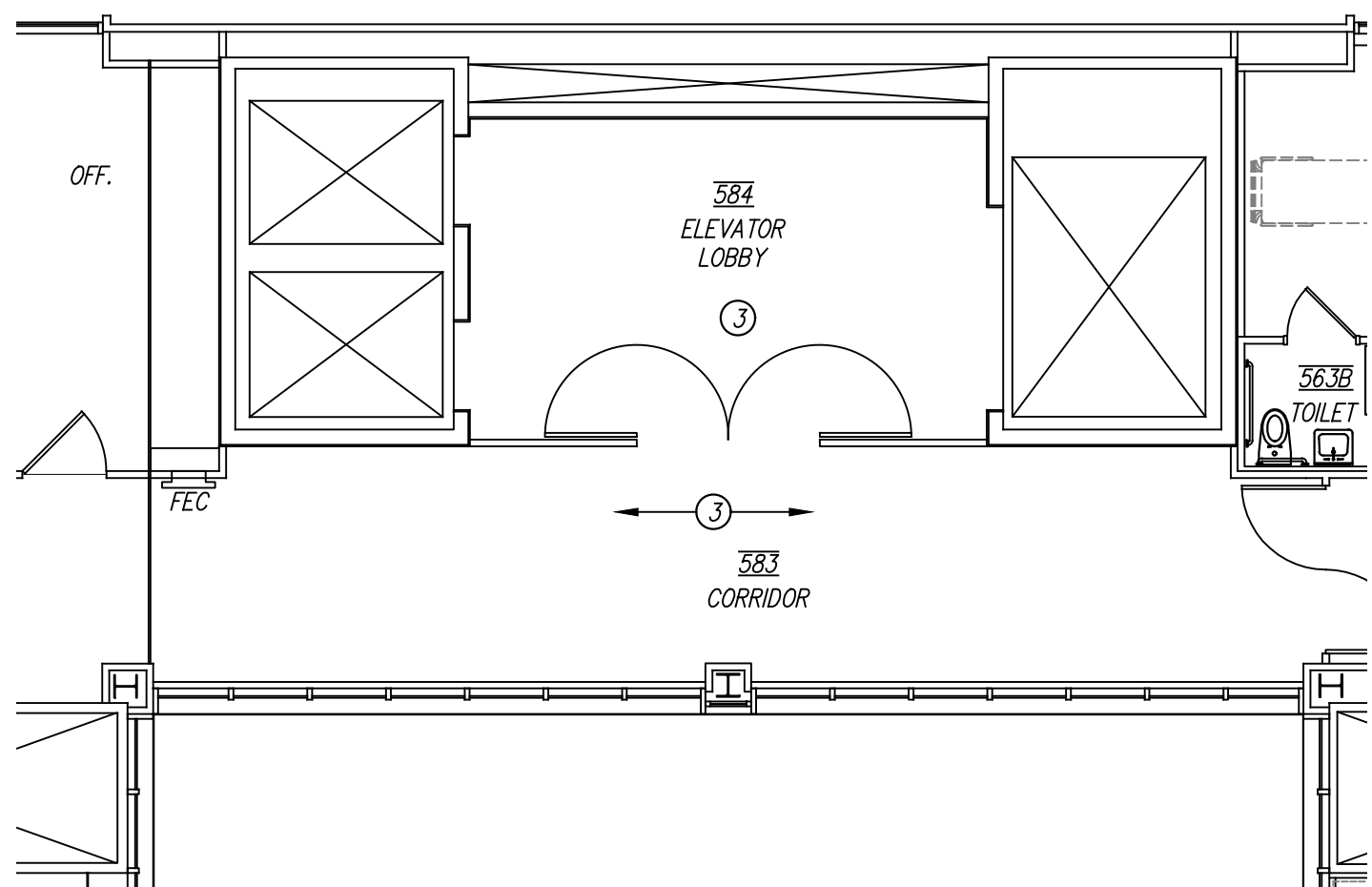
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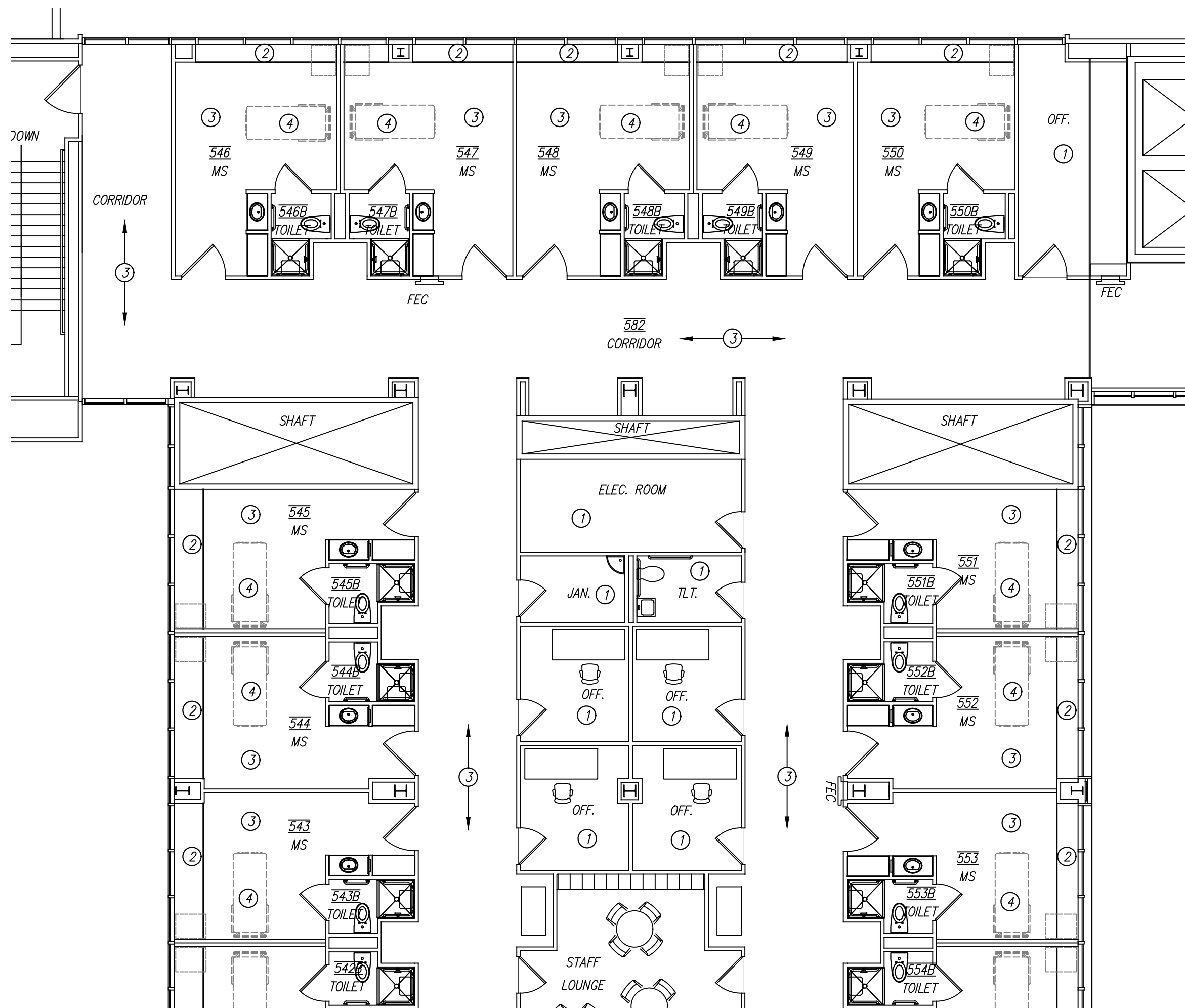
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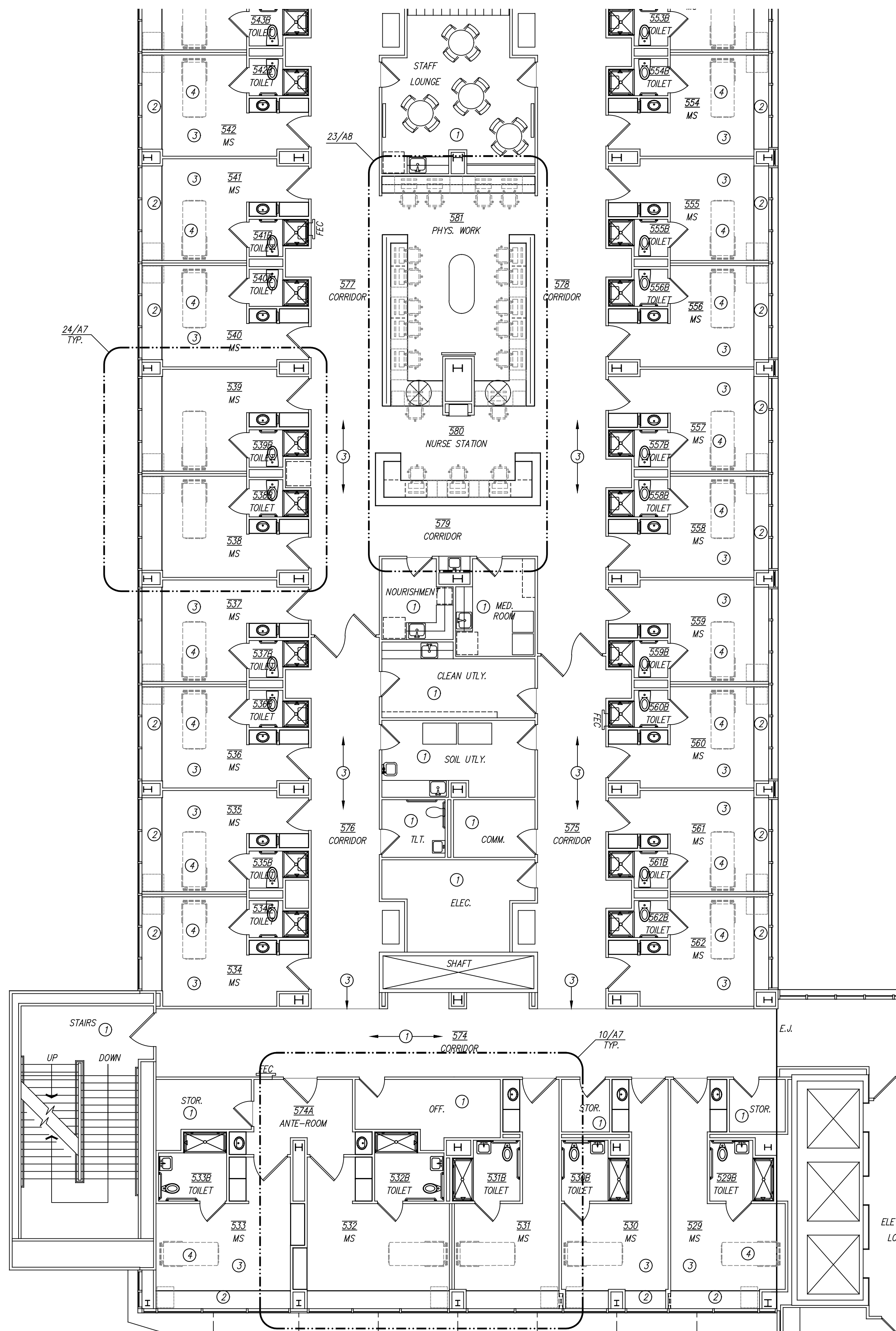
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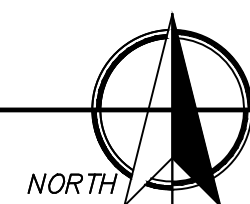
25/A3 FIFTH FLOOR-PARTIAL ANNOTATED PLAN-NORTH ELEVATOR LOBBY
SCALE: 1/8" = 1'-0"



28/A3 FIFTH FLOOR-PARTIAL ANNOTATED PLAN-WEST
SCALE: 1/8" = 1'-0"



16/A3 FIFTH FLOOR-PARTIAL ANNOTATED PLAN-WEST
SCALE: 1/8" = 1'-0"



GENERAL NOTES

- 1). CONTRACTOR SHALL COORDINATE ALL LAYOUT WORK WITH EQUIPMENT MANUFACTURER'S DIMENSIONAL REQUIREMENTS. THIS INCLUDES CONTRACTOR AND OWNER PROVIDED EQUIPMENT.
- 2). THE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. SHOULD THERE BE A DISCREPANCY BETWEEN THE ARCHITECTURAL DRAWINGS AND THE CONSULTANT DRAWINGS, SUCH DISCREPANCY IS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE CONTRACTOR SHALL RECEIVE INSTRUCTION PRIOR TO INSTALLATION OR PERFORMANCE OF SAID WORK. ANY WORK PERFORMED IN CONFLICT WITH THE DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- 3). ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE ACCESSIBILITY CODE REQUIREMENTS. THE CONTRACTOR SHALL BE AWARE OF ALL DIMENSIONALLY CRITICAL AREAS AND COMPLY WITH APPLICABLE STANDARDS. IF THERE ARE ANY DISCREPANCIES, THESE ARE TO BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY.
- 4). AT ALL NEW FLOOR DRAIN LOCATIONS, THE SLAB IS TO BE RECESSED AND SLOPED FOR POSITIVE DRAINAGE. UNLESS NOTED OTHERWISE, SLOPE IS TO BE 1/8"1'-0" WITH A 1/4"-3/8" OVERALL RECESS. EXISTING SLABS ARE TO BE CHIPPED OUT TO ACCOMMODATE.
- 5). ALL TILE IN SHOWER AREAS IS TO BE INSTALLED ON CEMENTITIOUS BACKER BOARD. ALL OTHER GYPSUM BOARD IN TOILET ROOM IS TO BE MOISTURE RESISTANT.
- 6). ON ALL WALLS SCHEDULED TO REMAIN, PATCH ANY EXISTING HOLES, CRACKS, OR OTHERWISE DAMAGED AND UNFINISHED AREAS WITHIN THE SCOPE OF WORK. RE-TEXTURE AND PAINT AS SCHEDULED.
- 7). REFER TO PROJECT MANUAL FOR ROOM FINISH SCHEDULE.
- 8). ANY CORING THAT IS NECESSARY FOR THE INSTALLATION OF PLUMBING LINES, CONDUITS, ETC. IS TO BE SCHEDULED WITH THE OWNER IN ADVANCE.
- 9). FURNITURE SHOWN IS FOR REFERENCE ONLY.

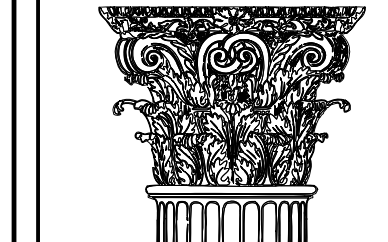
KEYED NOTES

- DESIGNATED BY: — ①
- ① NO WORK IN THIS AREA.
 - ② NEW SOLID SURFACE WINDOW SILL AS SCHEDULED. REFER TO 23/A10 FOR TYPICAL ELEVATION.
 - ③ NEW FLOORING. REFER TO FINISH SCHEDULE AND ID SHEETS.
 - ④ HOSPITAL EQUIPMENT. OWNER FURNISHED. OWNER INSTALLED.

FLOOR PLAN LEGEND

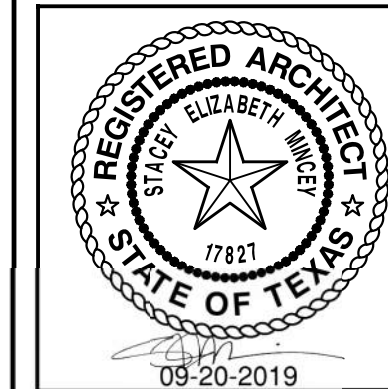
- EXISTING WALL TO REMAIN
- EXISTING DOOR TO REMAIN

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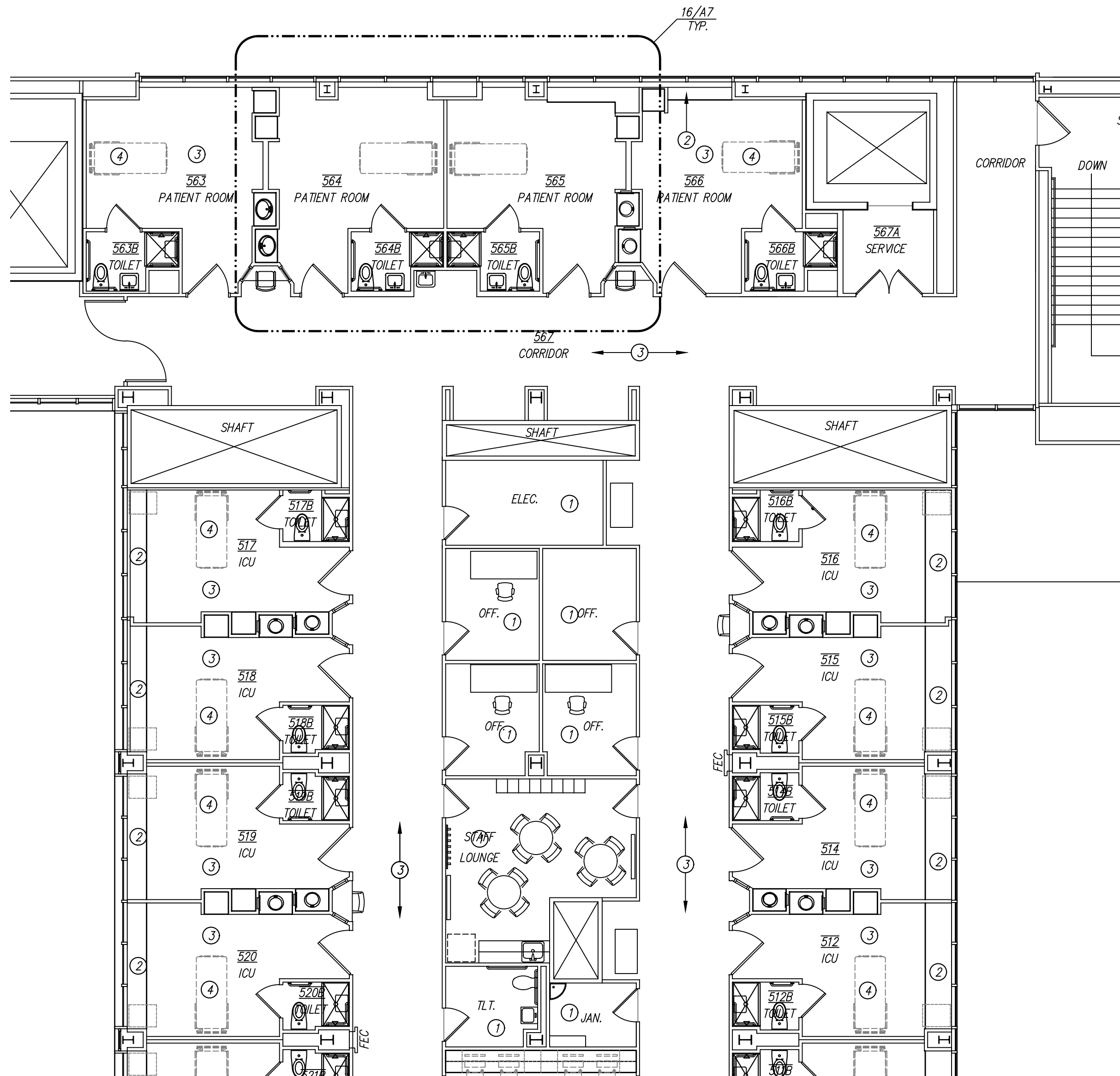
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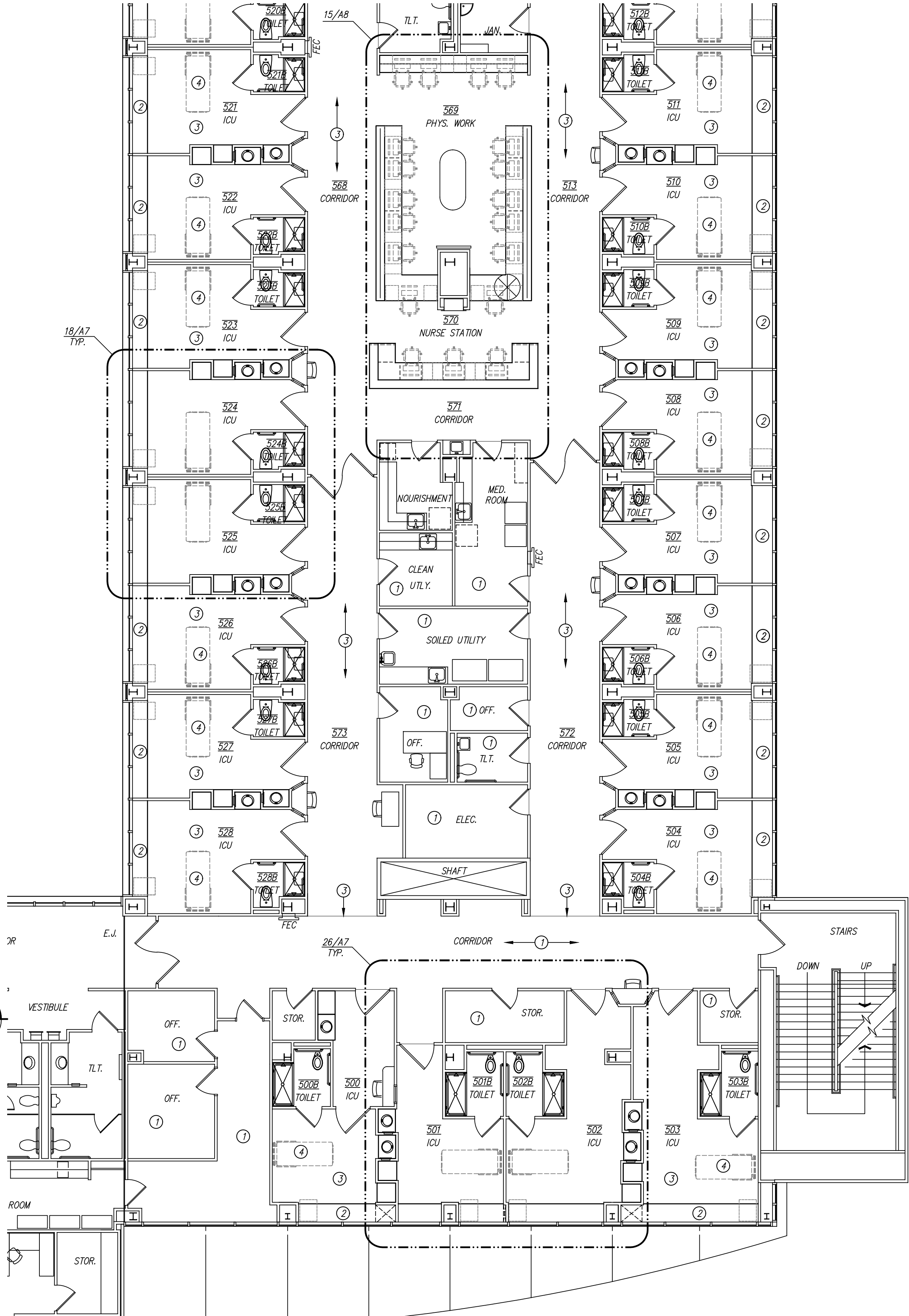
SHEET NO.

A3

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27/A4 FIFTH FLOOR-PARTIAL ANNOTATED PLAN-EAST
SCALE: 1/8" = 1'-0"




16/A4 FIFTH FLOOR - PARTIAL ANNOTATED PLAN-EAST
SCALE: 1/8" = 1'-0"

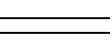

GENERAL NOTES

- 1). CONTRACTOR SHALL COORDINATE ALL LAYOUT WORK WITH EQUIPMENT MANUFACTURER'S DIMENSIONAL REQUIREMENTS. THIS INCLUDES CONTRACTOR AND OWNER PROVIDED EQUIPMENT.
- 2). THE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. SHOULD THERE BE A DISCREPANCY BETWEEN THE ARCHITECTURAL DRAWINGS AND THE CONSULTANT DRAWINGS, SUCH DISCREPANCY IS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE CONTRACTOR SHALL RECEIVE INSTRUCTION PRIOR TO INSTALLATION OR PERFORMANCE OF SAID WORK. ANY WORK PERFORMED IN CONFLICT WITH THE DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- 3). ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE ACCESSIBILITY CODE REQUIREMENTS. THE CONTRACTOR SHALL BE AWARE OF ALL DIMENSIONALLY CRITICAL AREAS AND COMPLY WITH APPLICABLE STANDARDS. IF THERE ARE ANY DISCREPANCIES, THESE ARE TO BE BROUGHT TO THE ARCHITECTS ATTENTION IMMEDIATELY.
- 4). AT ALL NEW FLOOR DRAIN LOCATIONS, THE SLAB IS TO BE RECESSED AND SLOPED FOR POSITIVE DRAINAGE. UNLESS NOTED OTHERWISE, SLOPE IS TO BE 1/8"1'-0" WITH A 1/4"-3/8" OVERALL RECESS. EXISTING SLABS ARE TO BE CHIPPED OUT TO ACCOMMODATE.
- 5). ALL TILE IN SHOWER AREAS IS TO BE INSTALLED ON CEMENTITIOUS BACKER BOARD. ALL OTHER GYPSUM BOARD IN TOILET ROOM IS TO BE MOISTURE RESISTANT.
- 6). ON ALL WALLS SCHEDULED TO REMAIN, PATCH ANY EXISTING HOLES, CRACKS, OR OTHERWISE DAMAGED AND UNFINISHED AREAS WITHIN THE SCOPE OF WORK. RE-TEXTURE AND PAINT AS SCHEDULED.
- 7). REFER TO PROJECT MANUAL FOR ROOM FINISH SCHEDULE.
- 8). ANY CORING THAT IS NECESSARY FOR THE INSTALLATION OF PLUMBING LINES, CONDUITS, ETC. IS TO BE SCHEDULED WITH THE OWNER IN ADVANCE.
- 9). FURNITURE SHOWN IS FOR REFERENCE ONLY.

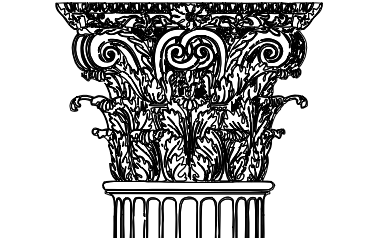
KEYED NOTES

- DESIGNATED BY: 
- 1 NO WORK IN THIS AREA.
 - 2 NEW SOLID SURFACE WINDOW SILL AS SCHEDULED. REFER TO 23/A10 FOR TYPICAL ELEVATION.
 - 3 NEW FLOORING. REFER TO FINISH SCHEDULE AND ID SHEETS.
 - 4 HOSPITAL EQUIPMENT. OWNER FURNISHED. OWNER INSTALLED.

FLOOR PLAN LEGEND

-  EXISTING WALL TO REMAIN
-  EXISTING DOOR TO REMAIN

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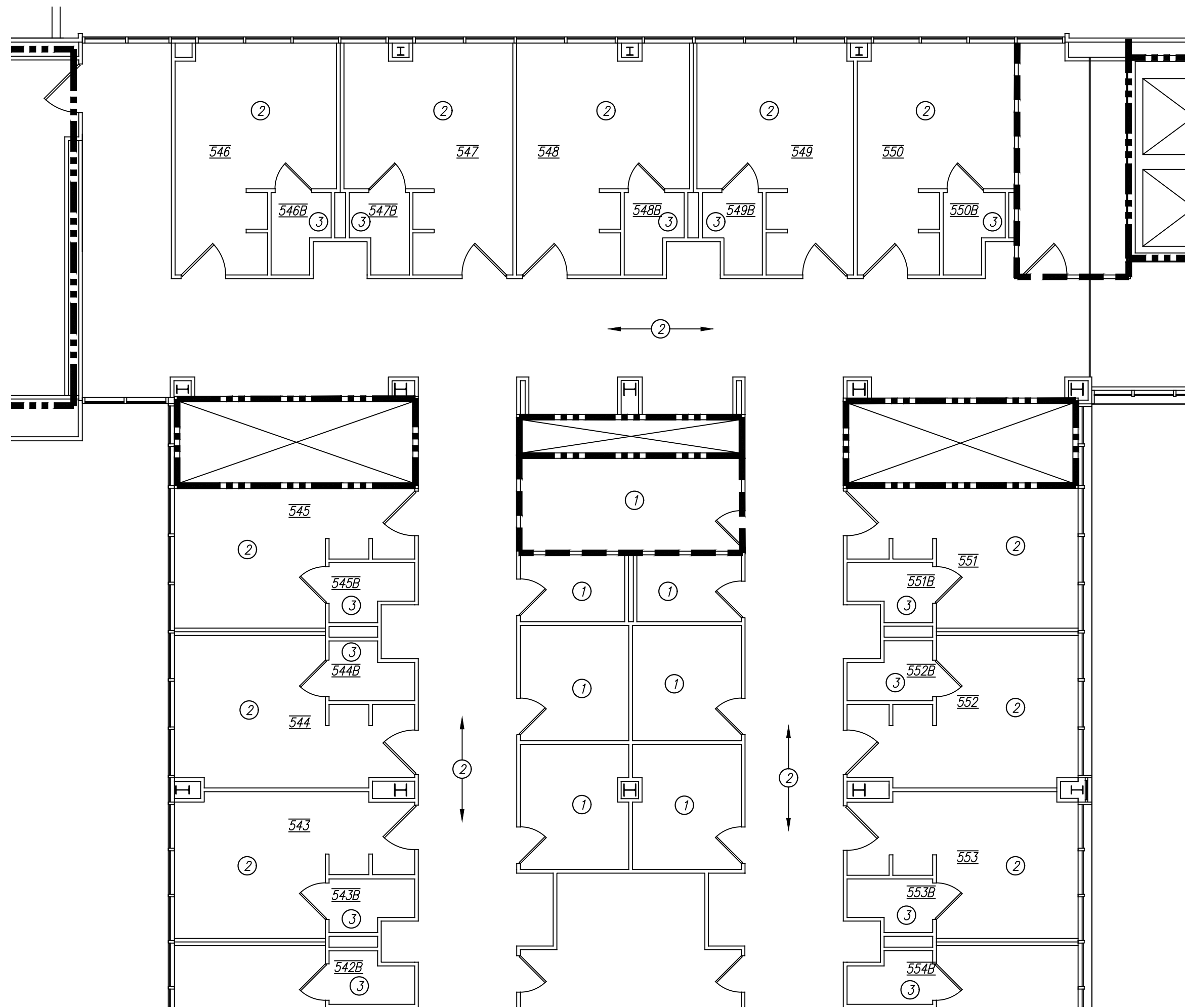
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DATE: 09/20/2019

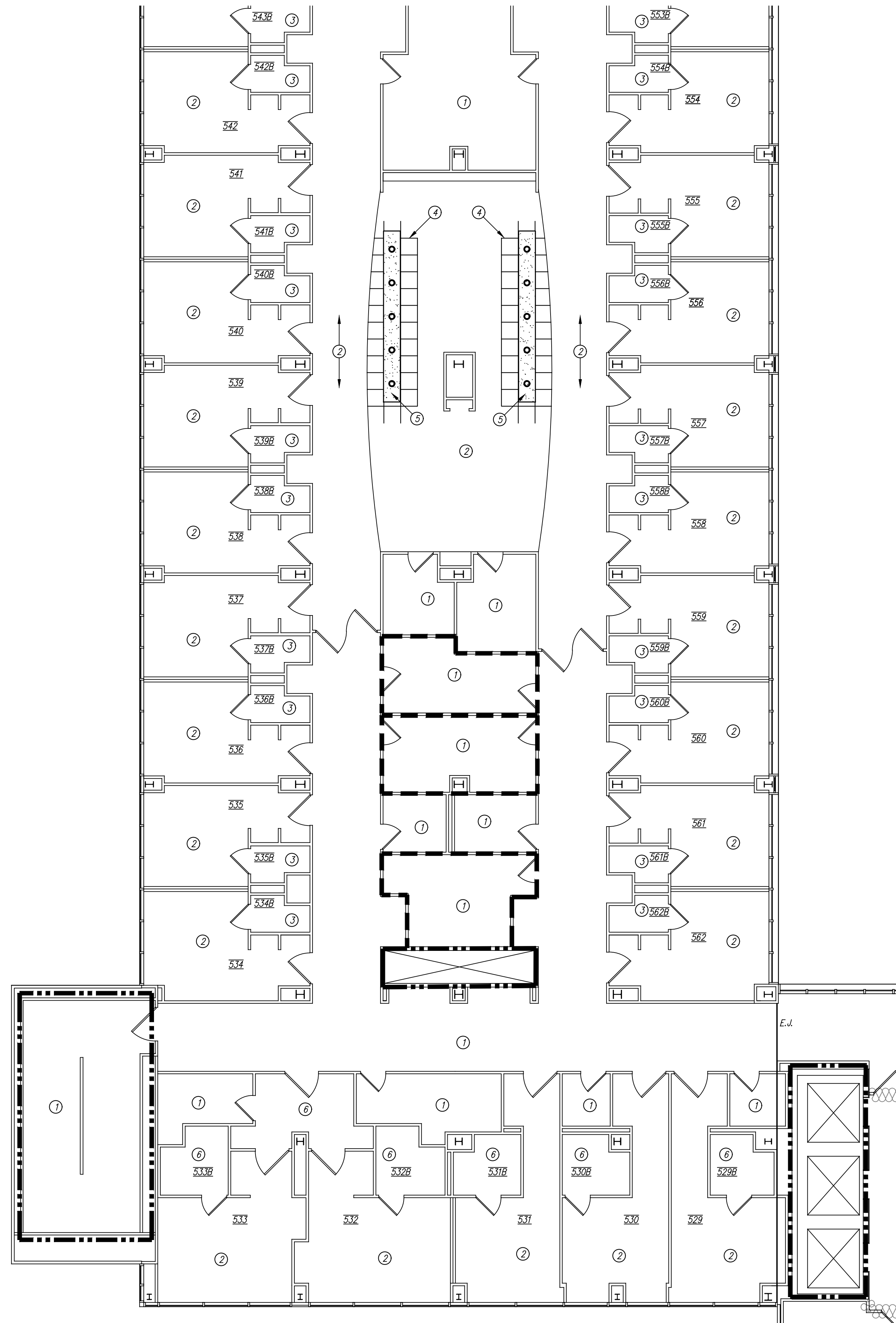
SHEET NO.

A4

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27/A5 FIFTH FLOOR-PARTIAL REFLECTED CEILING PLAN-WEST
SCALE: 1/8" = 1'-0"



16/A5 FIFTH FLOOR-PARTIAL REFLECTED CEILING PLAN-WEST
SCALE: 1/8" = 1'-0"

GENERAL NOTES

- 1). REPAIR GRID AND REPLACE CEILING TILES WHERE WALLS, FIXTURES, OR DEVICES ARE REMOVED. REPLACE ALL DAMAGED CEILING TILES IN THE AREA OF WORK. GRID SECTIONS ARE TO BE REPLACED BACK TO NEAREST 4' SECTION AT A MINIMUM. NO SPLICES.
- 2). WHERE APPLICABLE, REWORK FIRE SPRINKLERS IN ACCORDANCE WITH NFPA 13 AS REQUIRED TO ACCOMMODATE NEW WORK.
- 3). COORDINATE LOCATION OF LIGHT FIXTURES AND HVAC GRILLES WITH CEILING GRID. NOTIFY ARCHITECT OF ANY DISCREPANCIES. IF LAYOUT OR QUANTITIES DIFFER FROM MPE SHEETS AND DISCREPANCIES ARE NOT ADDRESSED PRIOR TO BID, CONTRACTOR SHALL PROVIDE FIXTURES TO COVER THE LARGER QUANTITIES INDICATED.
- 4). EXCEPT FOR CEILING TILES HOUSING DEVICES, DO NOT INSTALL ANY CEILING TILES IN GRID UNTIL AFTER PRE-FINAL INSPECTION HAS BEEN PERFORMED AND DEFICIENCIES CERTIFIED AS CORRECTED.
- 5). REMOVE AND REPLACE ANY EXISTING CEILING TILE AND GRID IN AREAS TO REMAIN AS EXISTING WHERE NECESSARY TO ACCOMMODATE ABOVE CEILING WORK.
- 6). CLEAN ALL HVAC GRILLES AND LIGHT FIXTURE LENSES IN AREA OF WORK, NEW AND EXISTING.

KEYED NOTES

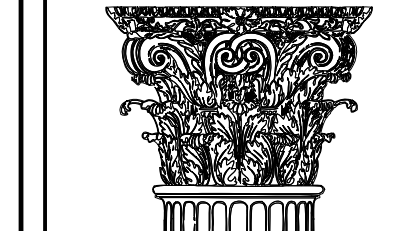
DESIGNATED BY: — ①

- ① NO WORK IN THIS AREA.
- ② NO CEILING WORK IN THIS AREA UNLESS DAMAGED TILE REPLACEMENT IS NECESSARY. MATCH EXISTING.
- ③ PATCH AND REPAIR CEILING WHERE WING WALL IS REMOVED. PREP TO RECEIVE NEW FINISH. MATCH EXISTING.
- ④ REPLACE CEILING TILE AS NECESSARY. TIE IN NEW GRID WITH EXISTING TO CREATE SMOOTH TRANSITION.
- ⑤ NEW GYPSUM BOARD FURDOWN AT 7'-0" A.F.F.
- ⑥ PATCH AND REPAIR CEILING AS NECESSARY IF DAMAGED DURING CONSTRUCTION.

CEILING PLAN LEGEND

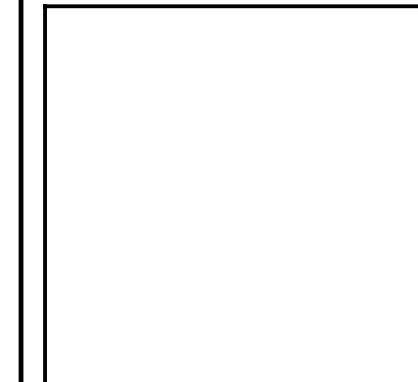
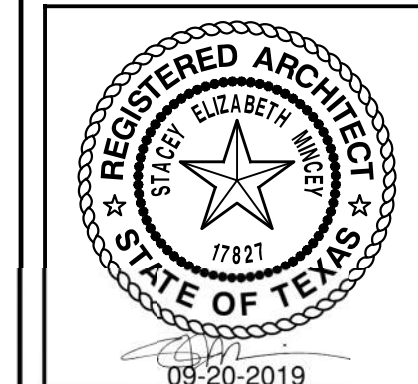
- NEW DOWN LIGHT - REFER TO ELECTRICAL SHEETS
- 2 HOUR RATED FIREWALL, ASSEMBLY FRAMED TO THE STRUCTURE ABOVE. SEAL ALL PENETRATIONS AND JOINTS WITH A UL LISTED SYSTEM.
- - - 1 HOUR RATED FIREWALL ASSEMBLY FRAMED TO THE STRUCTURE ABOVE. SEAL ALL PENETRATIONS AND JOINTS WITH A UL LISTED SYSTEM.
- ⊗ SMOKE BARRIER. 1 HOUR FIRE RATED ASSEMBLY.

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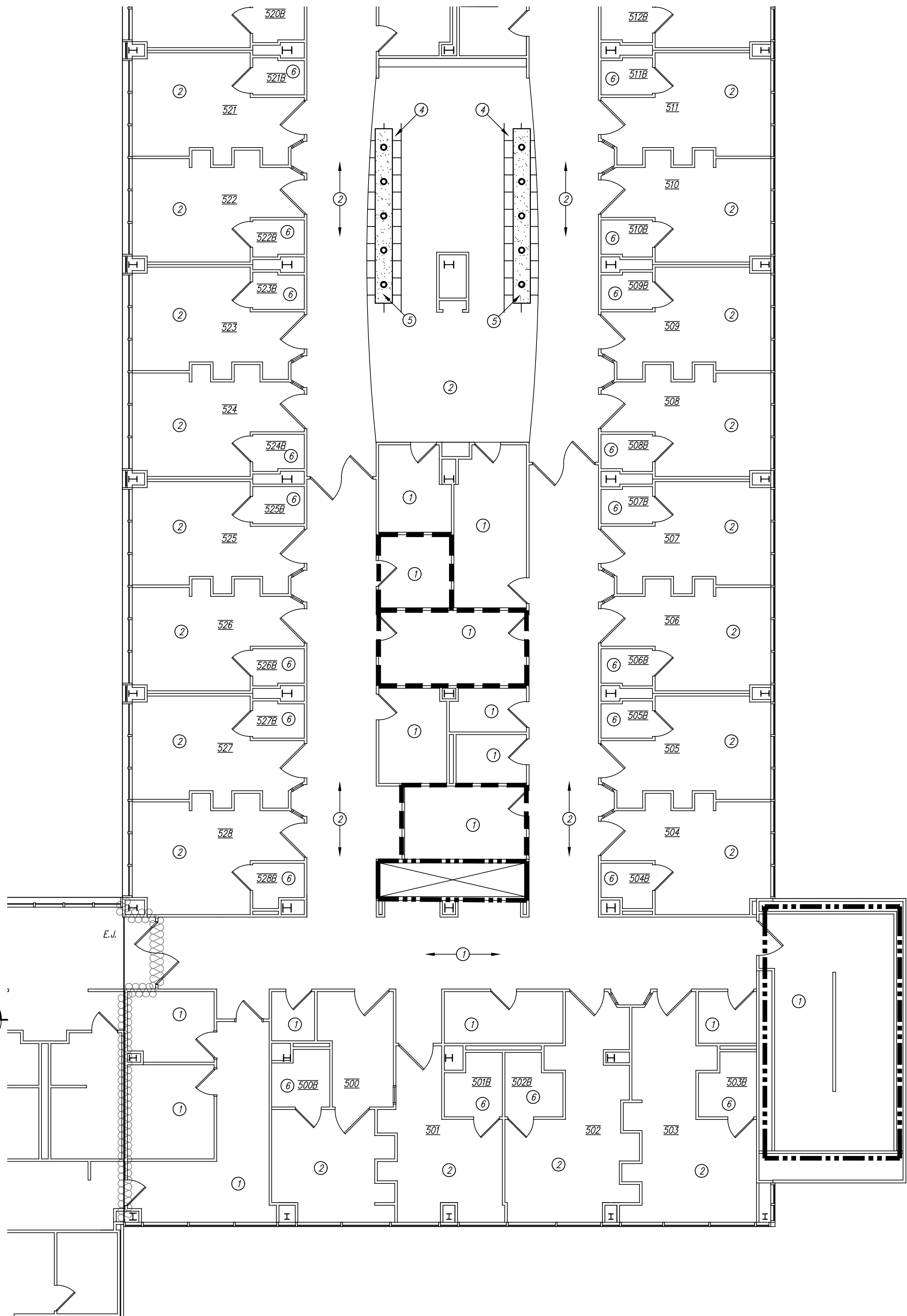
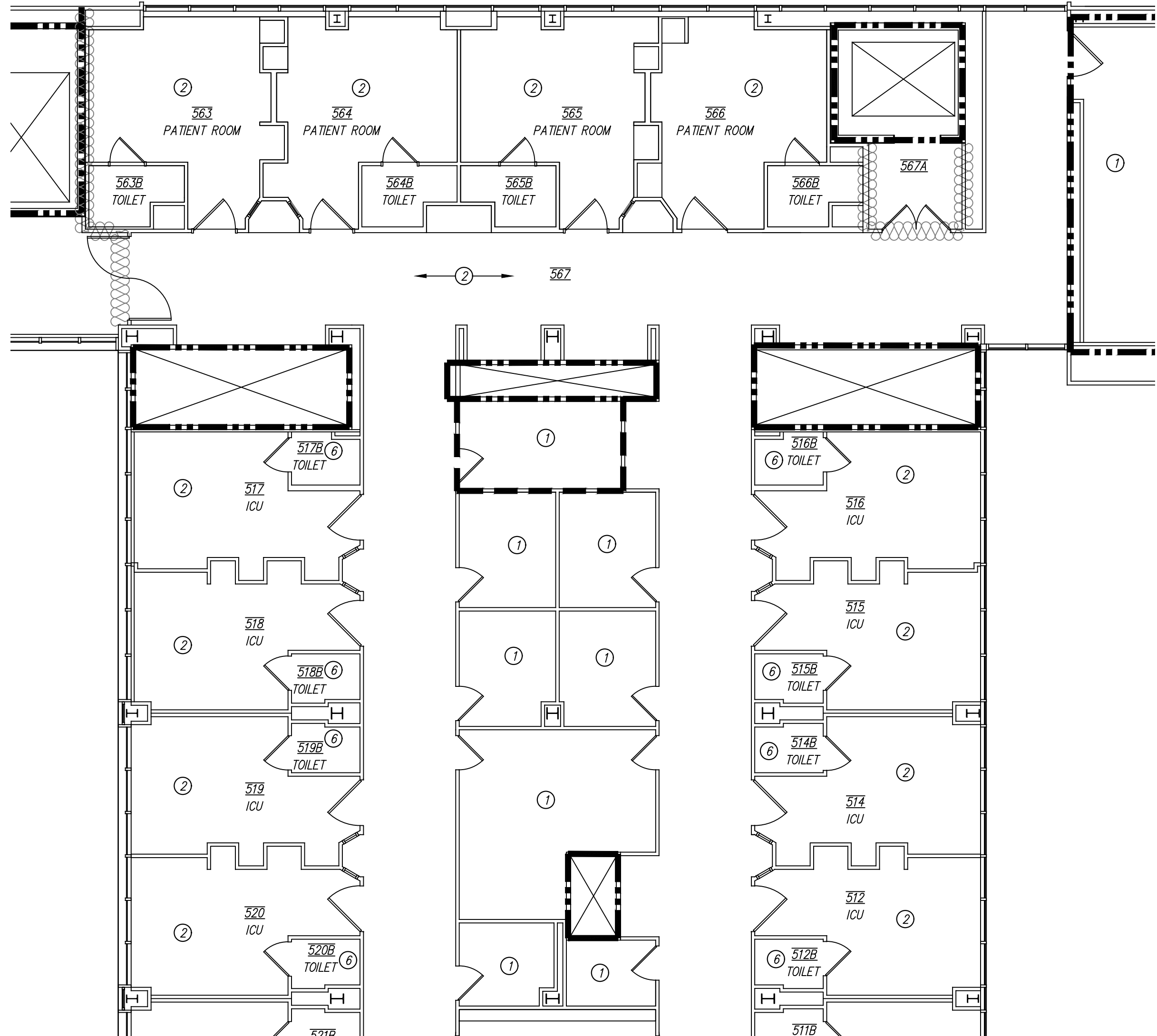
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
SHEET NO.
A5
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GENERAL NOTES

- 1). REPAIR GRID AND REPLACE CEILING TILES WHERE WALLS, FIXTURES, OR DEVICES ARE REMOVED. REPLACE ALL DAMAGED CEILING TILES IN THE AREA OF WORK. GRID SECTIONS ARE TO BE REPLACED BACK TO NEAREST 4" SECTION AT A MINIMUM. NO SPLICES.
- 2). WHERE APPLICABLE, REWORK FIRE SPRINKLERS IN ACCORDANCE WITH NFPA 13 AS REQUIRED TO ACCOMMODATE NEW WORK.
- 3). COORDINATE LOCATION OF LIGHT FIXTURES AND HVAC GRILLES WITH CEILING GRID. NOTIFY ARCHITECT OF ANY DISCREPANCIES. IF LAYOUT OR QUANTITIES DIFFER FROM MPE SHEETS AND DISCREPANCIES ARE NOT ADDRESSED PRIOR TO BID, CONTRACTOR SHALL PROVIDE FIXTURES TO COVER THE LARGER QUANTITIES INDICATED.
- 4). EXCEPT FOR CEILING TILES HOUSING DEVICES, DO NOT INSTALL ANY CEILING TILES IN GRID UNTIL AFTER PRE-FINAL INSPECTION HAS BEEN PERFORMED AND DEFICIENCIES CERTIFIED AS CORRECTED.
- 5). REMOVE AND REPLACE ANY EXISTING CEILING TILE AND GRID IN AREAS TO REMAIN AS EXISTING WHERE NECESSARY TO ACCOMMODATE ABOVE CEILING WORK.
- 6). CLEAN ALL HVAC GRILLES AND LIGHT FIXTURE LENSES IN AREA OF WORK, NEW AND EXISTING.

KEYED NOTES

- DESIGNATED BY: 
- 1 NO WORK IN THIS AREA.
 - 2 NO CEILING WORK IN THIS AREA UNLESS DAMAGED TILE REPLACEMENT IS NECESSARY. MATCH EXISTING.
 - 3 PATCH AND REPAIR CEILING WHERE WING WALL IS REMOVED. PREP TO RECEIVE NEW FINISH. MATCH EXISTING.
 - 4 REPLACE CEILING TILE AS NECESSARY. TIE IN NEW GRID WITH EXISTING TO CREATE SMOOTH TRANSITION.
 - 5 NEW GYPSUM BOARD FURFDOWN AT 7'-0" A.F.F.
 - 6 PATCH AND REPAIR CEILING AS NECESSARY IF DAMAGED DURING CONSTRUCTION.

CEILING PLAN LEGEND

- NEW DOWN LIGHT - REFER TO ELECTRICAL SHEETS
- 2 HOUR RATED FIREWALL, ASSEMBLY FRAMED TO THE STRUCTURE ABOVE. SEAL ALL PENETRATIONS AND JOINTS WITH A UL LISTED SYSTEM.
- 1 HOUR RATED FIREWALL, ASSEMBLY FRAMED TO THE STRUCTURE ABOVE. SEAL ALL PENETRATIONS AND JOINTS WITH A UL LISTED SYSTEM.
- SMOKE BARRIER. 1 HOUR FIRE RATED ASSEMBLY.

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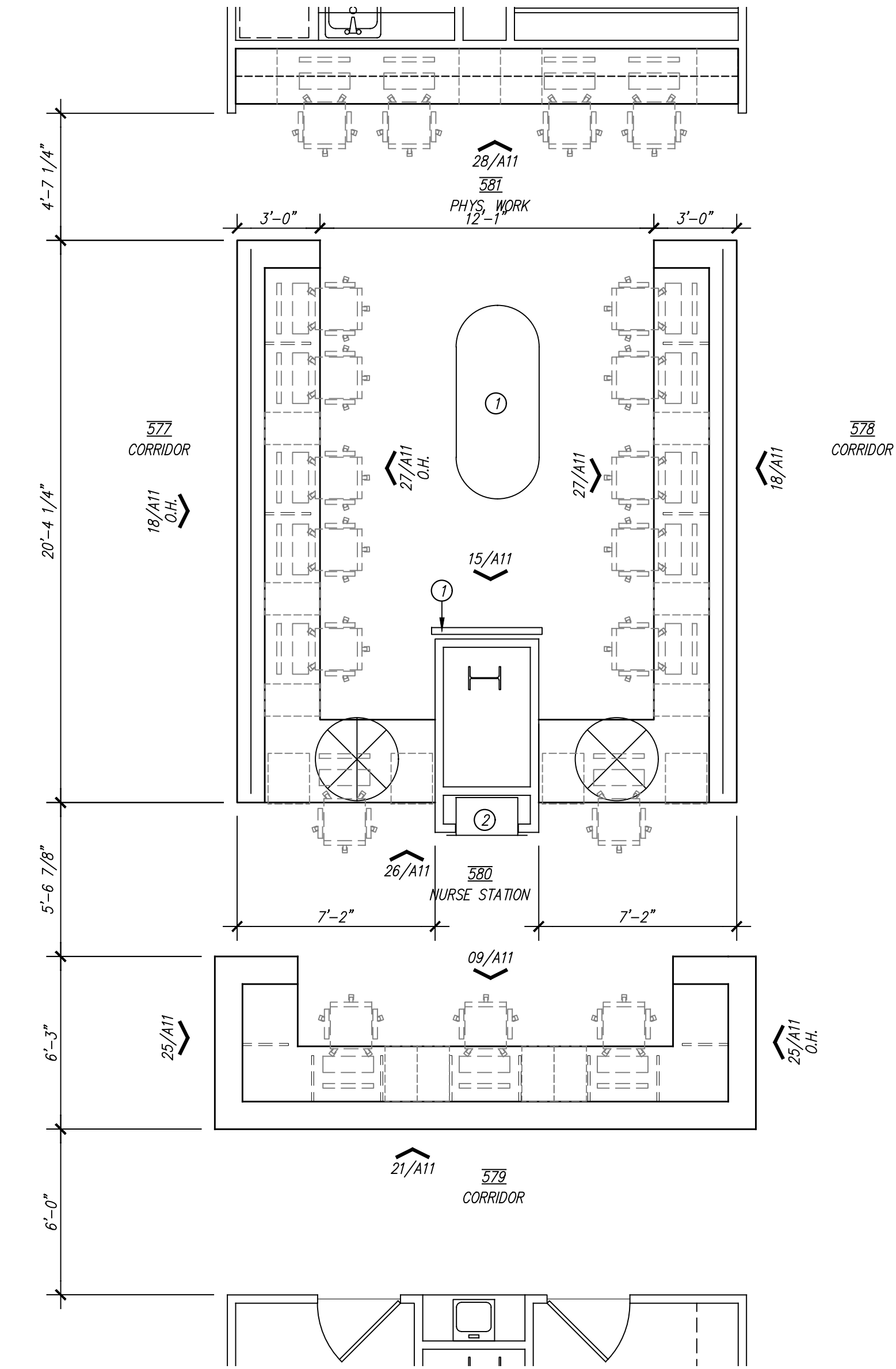
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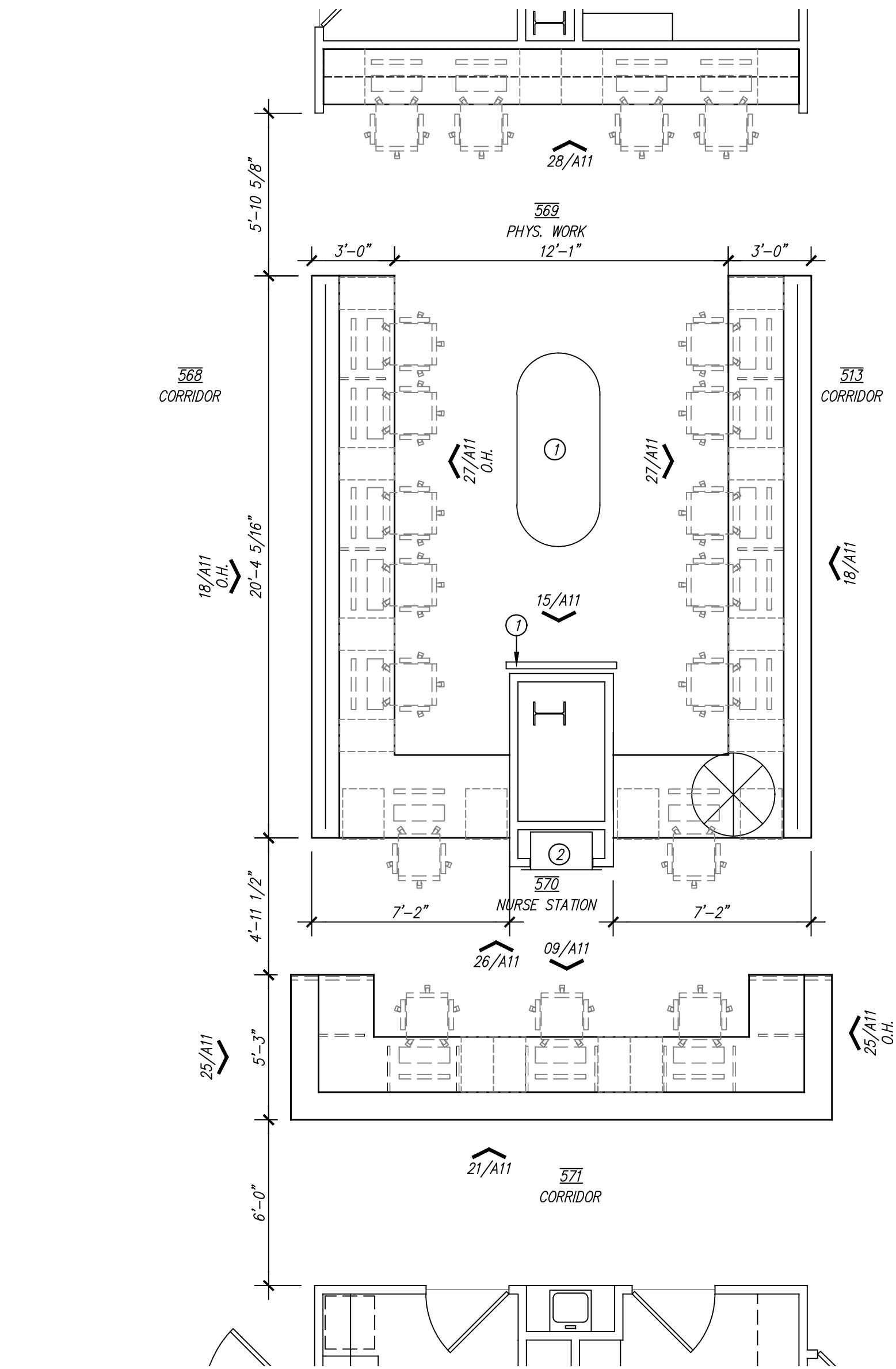
PROJECT NO. 21823
DATE: 09/20/2019

SHEET NO.
A6

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23/A8 ENLARGED NURSE STATION PLAN-WEST
SCALE: 1/4" = 1'-0"




15/A8 ENLARGED NURSE STATION PLAN-EAST
SCALE: 1/4" = 1'-0"



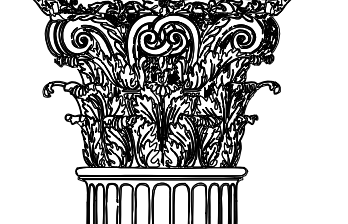
GENERAL NOTES

- 1). FIELD VERIFY ALL EXISTING WALL PRIOR TO CONSTRUCTION AND ADJUST WHERE REQUIRED TO PROVIDE A PROPER AN COMPLETE INSTALLATION. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WITH EXISTING OR NEW CONDITIONS.
- 2). CONTRACTOR SHALL COORDINATE ALL LAYOUT WORK WITH EQUIPMENT MANUFACTURER'S DIMENSIONAL REQUIREMENTS. THIS INCLUDES CONTRACTOR AND OWNER PROVIDED EQUIPMENT.
- 3). THE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. SHOULD THERE BE A DISCREPANCY BETWEEN THE ARCHITECTURAL DRAWINGS AND THE CONSULTANT DRAWINGS, SUCH DISCREPANCY IS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE CONTRACTOR SHALL RECEIVE INSTRUCTION PRIOR TO INSTALLATION OR PERFORMANCE OF SAID WORK. ANY WORK PERFORMED IN CONFLICT WITH THE DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- 4). ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE ACCESSIBILITY CODE REQUIREMENTS. THE CONTRACTOR SHALL BE AWARE OF ALL DIMENSIONALLY CRITICAL AREAS AND COMPLY WITH APPLICABLE STANDARDS. IF THERE ARE ANY DISCREPANCIES, THESE ARE TO BE BROUGHT TO THE ARCHITECTS ATTENTION IMMEDIATELY.

KEYED NOTES

- DESIGNATED BY: 
- ① EXISTING HOSPITAL EQUIPMENT TO REMAIN.
 - ② EXISTING PNEUMATIC TUBE STATION TO REMAIN.

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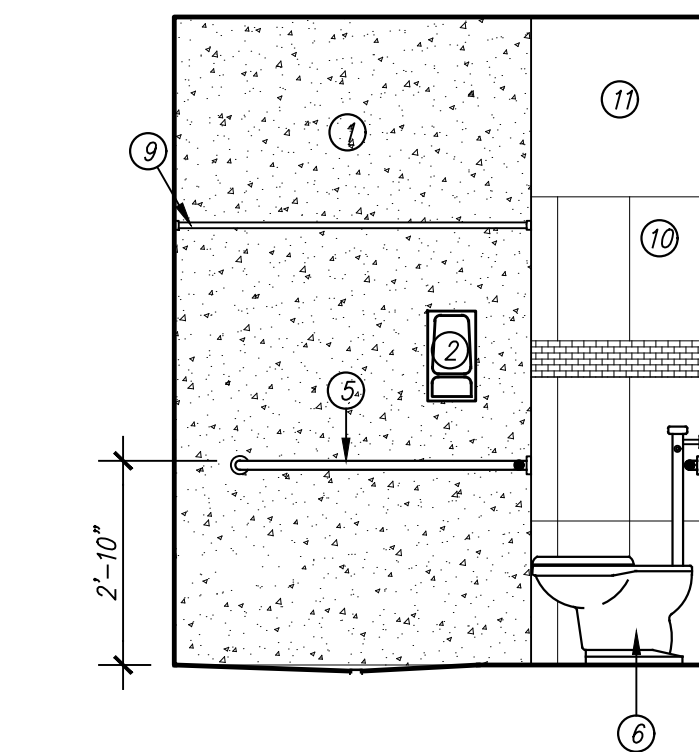
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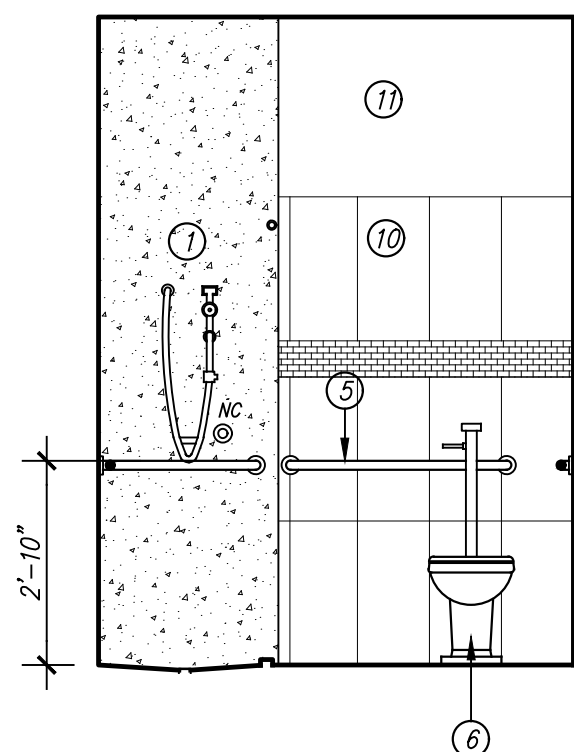
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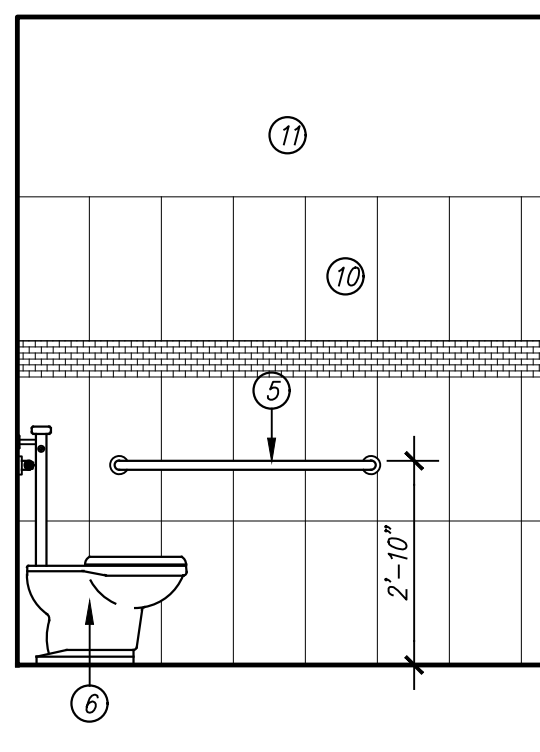
SHEET NO.
A8
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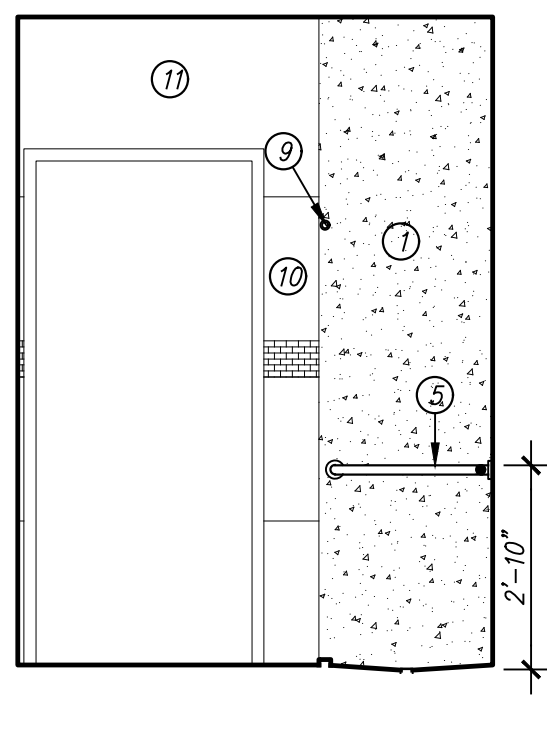
25/A9 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0" ICU 500B,501B,502B,503B



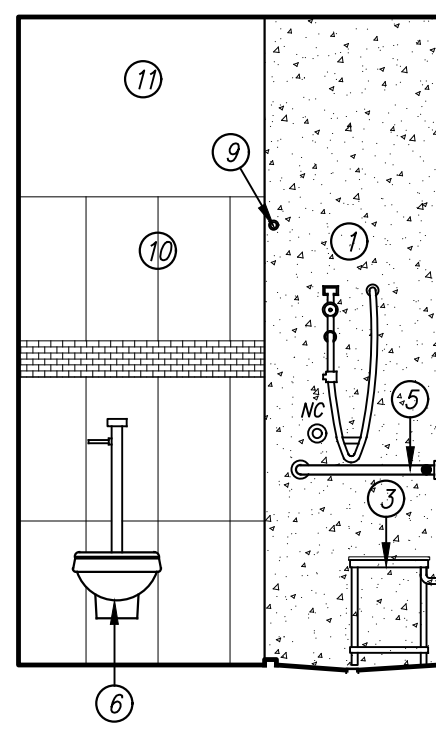
21/A9 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0" ICU 500B,501B,502B,503B



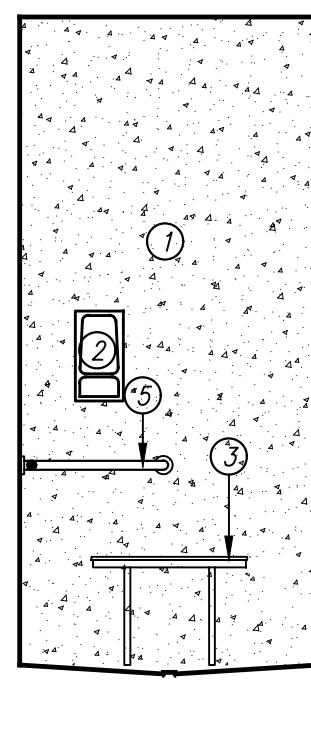
17/A9 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0" ICU 500B,501B,502B,503B



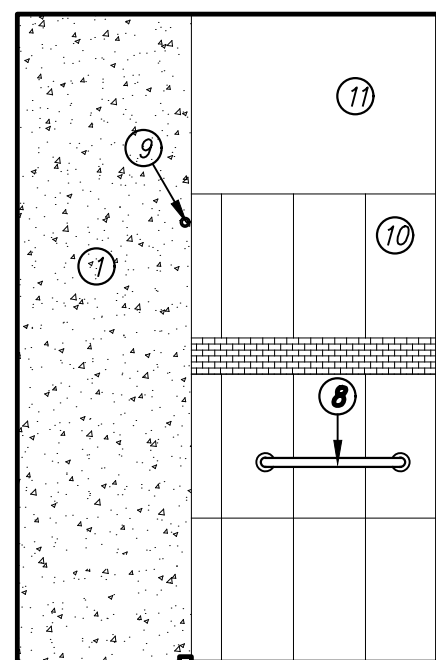
13/A9 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0" ICU 500B,501B,502B,503B



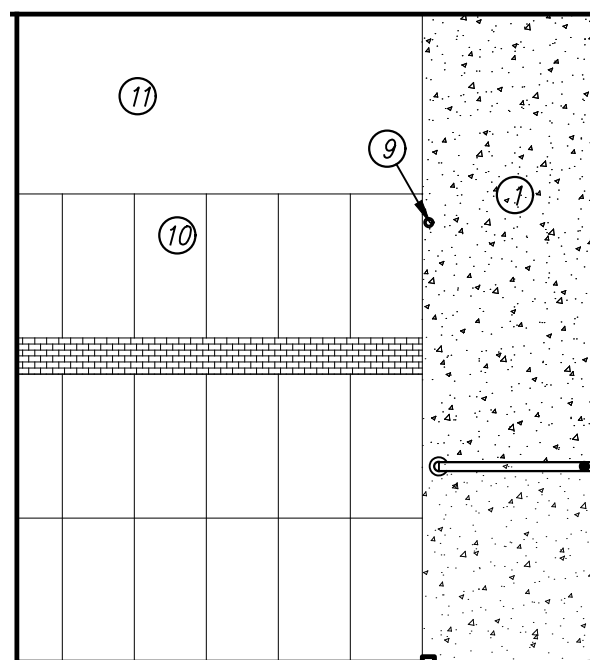
09/A9 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0" ICU 504B TO ICU 528B



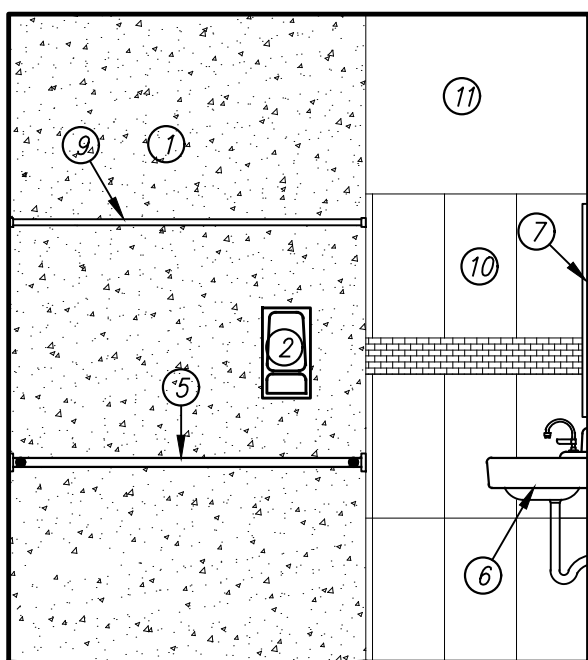
05/A9 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0" ICU 504B TO ICU 528B



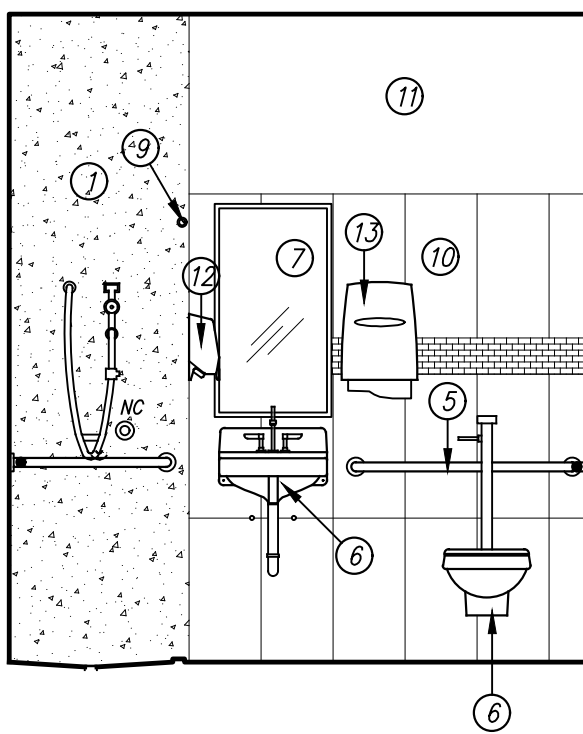
26/A9 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0" ICU 504B TO ICU 528B



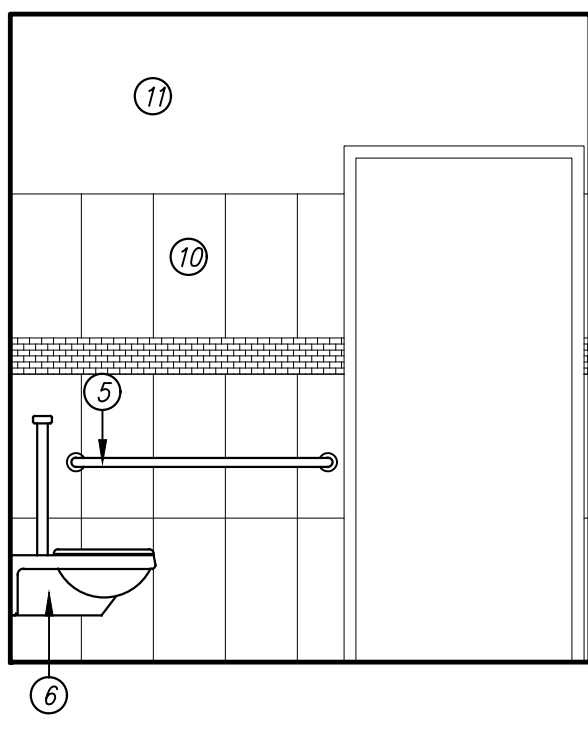
22/A9 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0" MS 532B AND MS 533B



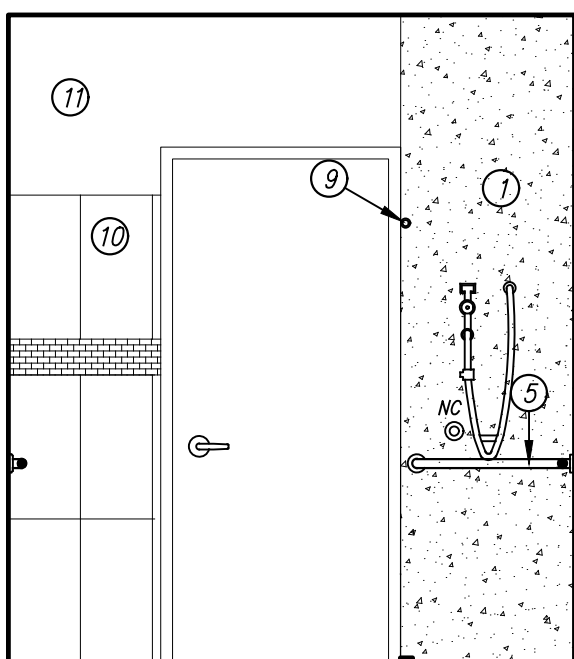
18/A9 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0" MS 532B & MS 533B



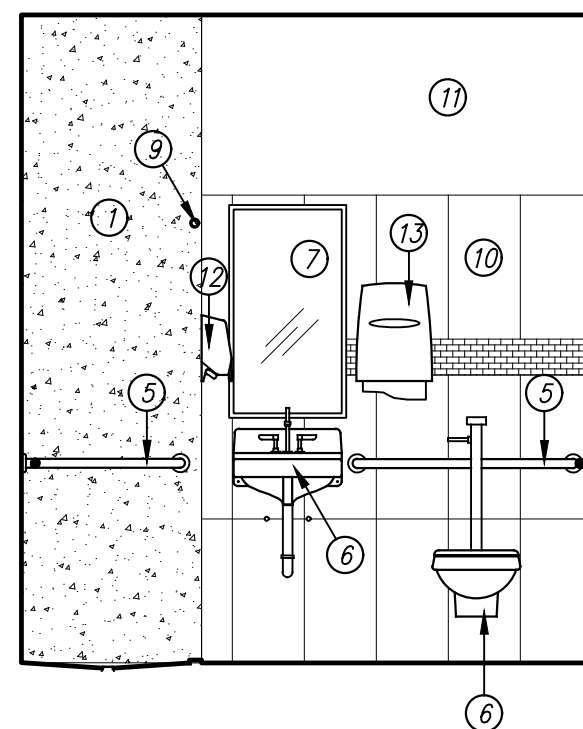
14/A9 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0" MS 532B & MS 533B



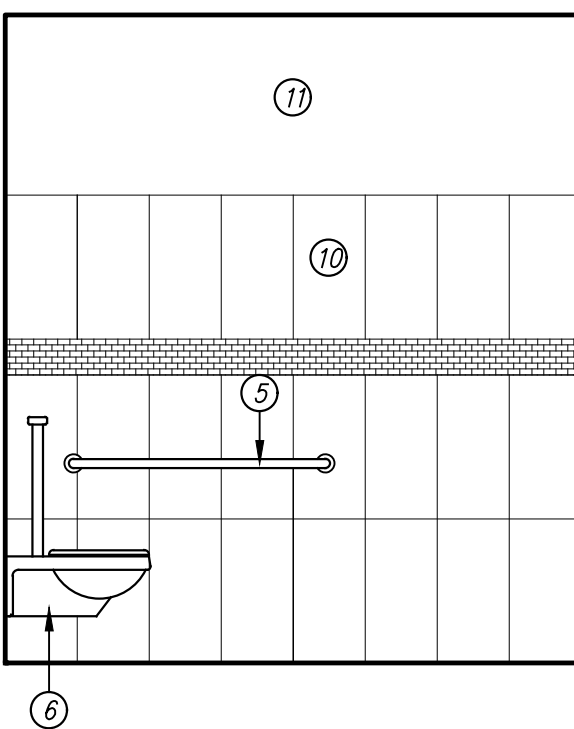
10/A9 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0" MS 532B & MS 533B



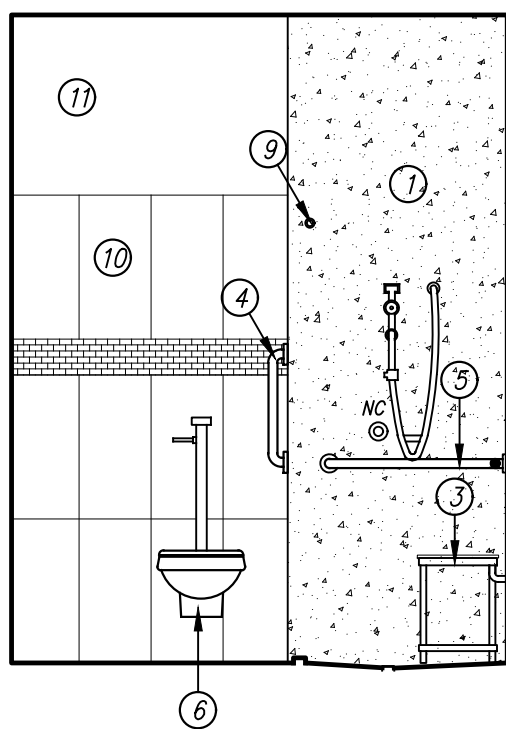
27/A9 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0" MS 529B,530B & MS 531B



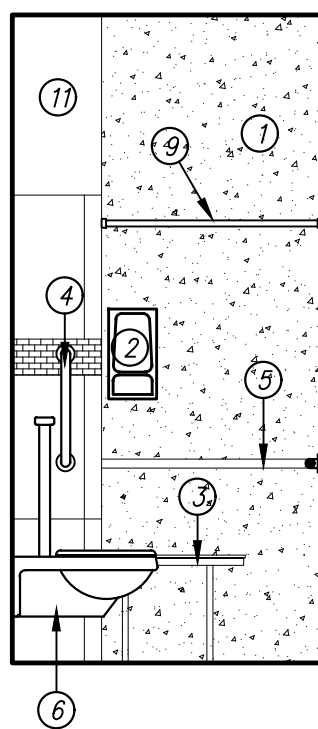
23/A9 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0" MS 529B,530B & MS 531B



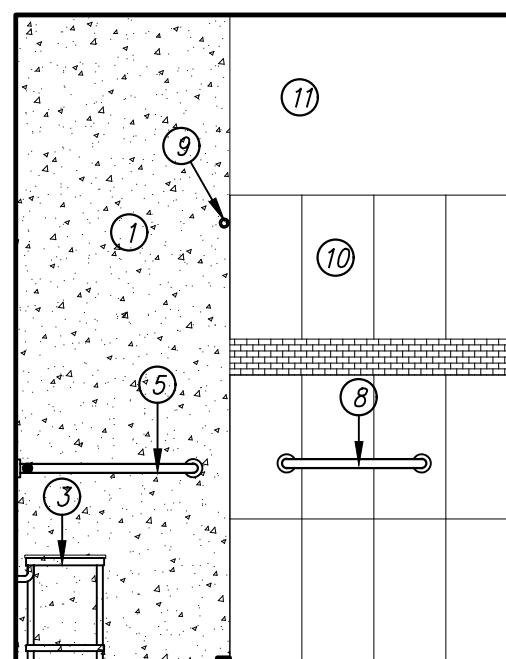
19/A9 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0" MS 529B,530B & MS 531B



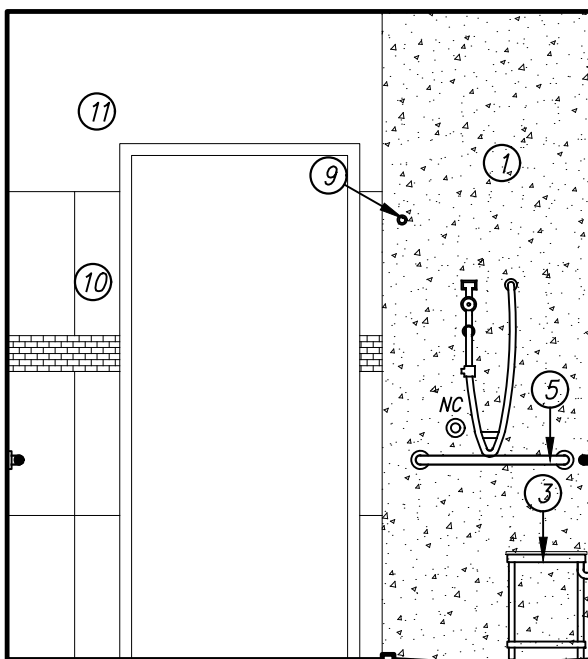
15/A9 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0" MS 538B



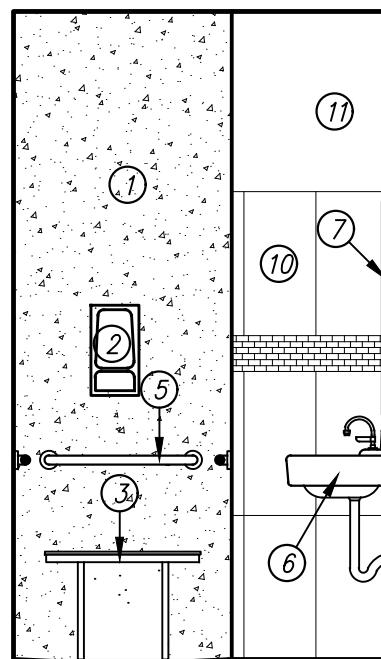
11/A9 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0" MS 538B



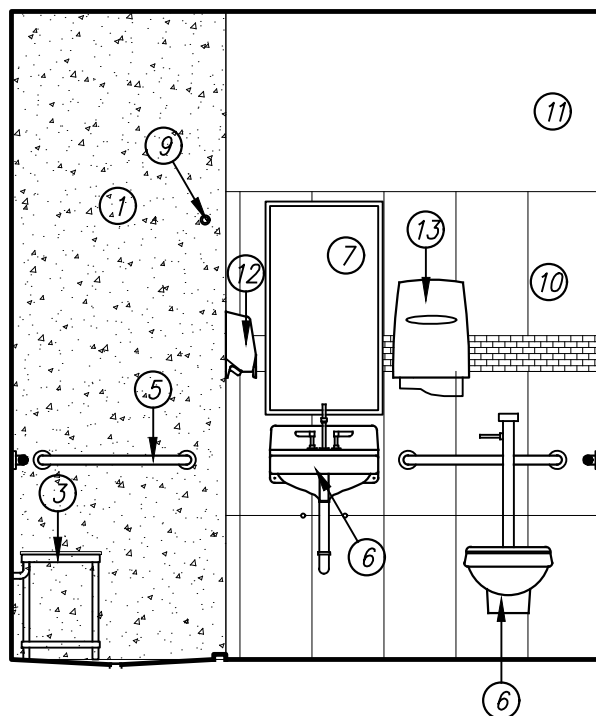
07/A9 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0" MS 538B



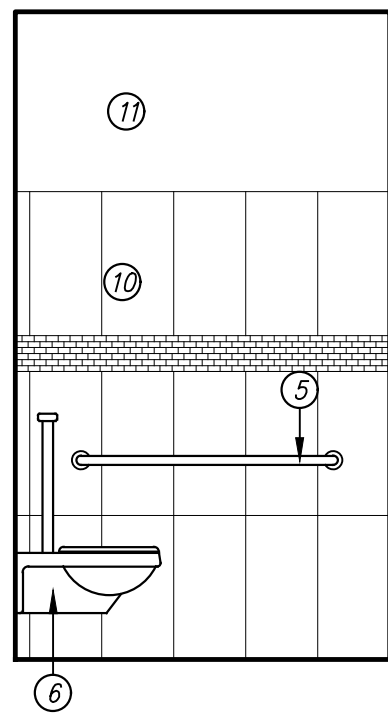
28/A9 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0" PATIENT ROOMS 563B TO 566B



24/A9 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0" PATIENT ROOMS 563B TO 566B



20/A9 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0" PATIENT ROOMS 563B TO 566B

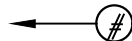


16/A9 INTERIOR ELEVATION
SCALE: 3/8" = 1'-0" PATIENT ROOMS 563B TO 566B

GENERAL NOTES

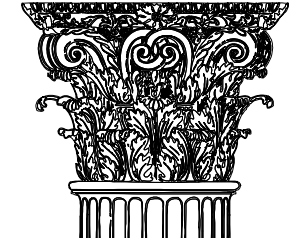
- 1). ALL PLUMBING FIXTURES AND ACCESSORIES TO BE RE-INSTALLED UNLESS NOTED OTHERWISE. REFER TO PLUMBING DRAWINGS.
- 2). FIELD VERIFY ALL EXISTING SHOWER PANEL PRIOR TO INSTALLATION OF SOLID SURFACE PANEL AND ADJUST WHERE REQUIRED TO PROVIDE A PROPER AND COMPLETE INSTALLATION. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WITH EXISTING OR NEW CONDITIONS.

KEYED NOTES

DESIGNATED BY: 

- 1) SOLID SURFACE PANEL AS SCHEDULED. REFER TO FINISH SCHEDULE. COORDINATE PRE-INSTALLATION CONFERENCE WITH INTERIOR DESIGNER.
- 2) INSET SOAP HOLDER AS SCHEDULED.
- 3) SHOWER SEAT AS SPECIFIED. PROVIDE IN-WALL BLOCKING TO SUPPORT SHOWER SEAT PRIOR TO INSTALLING SOLID SURFACE PANEL.
- 4) 1 1/2"x18" VERTICAL GRAB BAR.
- 5) RE-INSTALL EXISTING GRAB BARS.
- 6) RE-INSTALL FIXTURES. REFER TO PLUMBING DRAWINGS.
- 7) MIRROR: BOTTOM EDGE OF REFLECTIVE SURFACE MOUNTED 40" A.F.F. MAXIMUM. TOP MOUNTED 74" A.F.F. MINIMUM. CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.
- 8) TOWEL BAR AS SCHEDULED.
- 9) SHOWER CURTAIN ROD AND HOOKS AS SPECIFIED.
- 10) WALL TILES AS SCHEDULED. REFER TO FINISH SCHEDULE. COORDINATE PRE-INSTALLATION CONFERENCE WITH INTERIOR DESIGNER.
- 11) PAINTED GYPSUM BOARD. REFER TO FINISH SCHEDULE.
- 12) SOAP DISPENSER WITH CONTROLS MOUNTED @ 47" A.F.F. OWNER FURNISHED, CONTRACTOR INSTALLED.
- 13) PAPER TOWEL DISPENSER MOUNT WITH CONTROLS @ 47" A.F.F. OWNER FURNISHED, CONTRACTOR INSTALLED.

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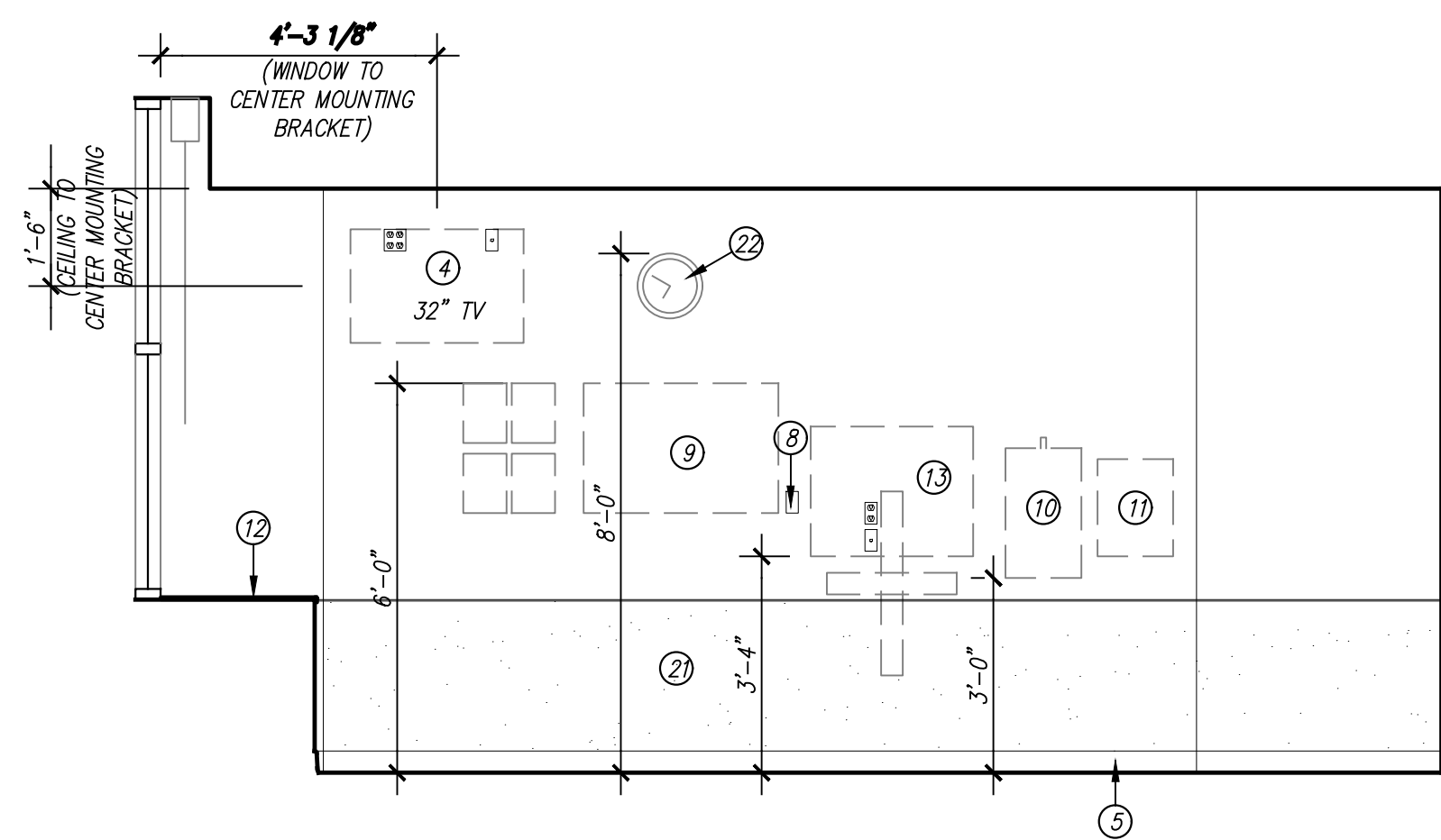
UNIVERSITY MEDICAL CENTER
5TH FLOOR PATIENT ROOM
RENOVATIONS
602 INDIANA AVENUE
LUBBOCK, TX.
79415

REVISIONS:

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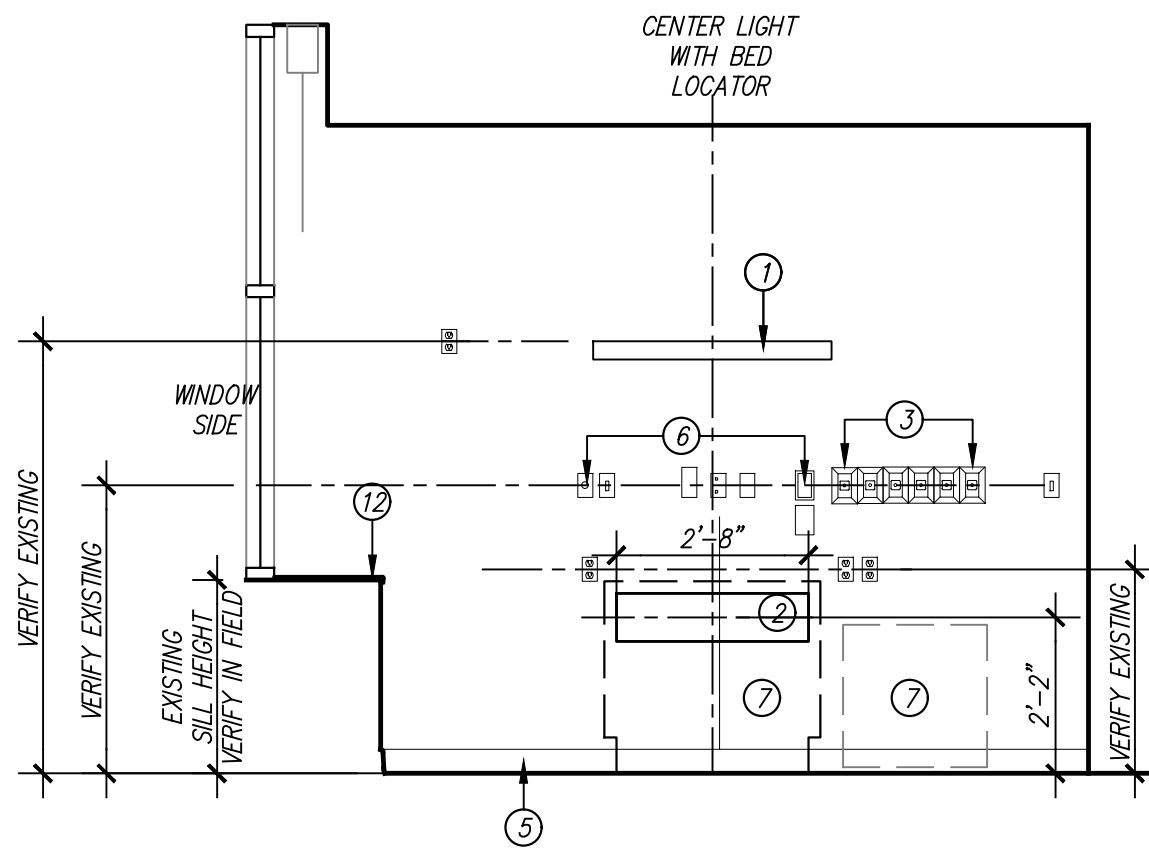
PROJECT NO. 21823
DATE: 09/20/2019

SHEET NO.
A9
7 OF 12



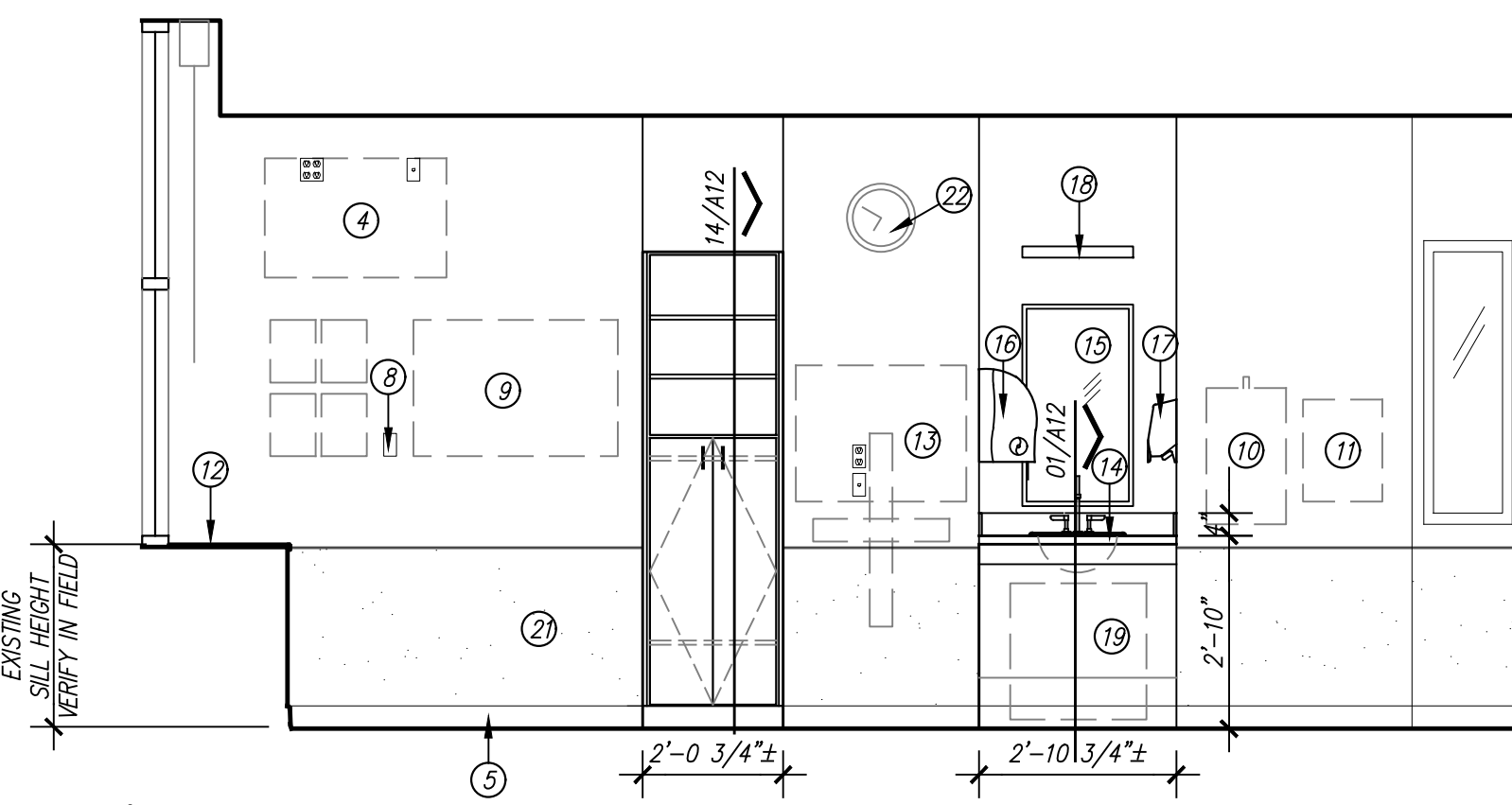
21/A10 TYPICAL PATIENT ROOM FOOTWALL INTERIOR ELEVATION

SCALE: 3/8" = 1'-0"



13/A10 TYPICAL PATIENT ROOM HEADWALL INTERIOR ELEVATION

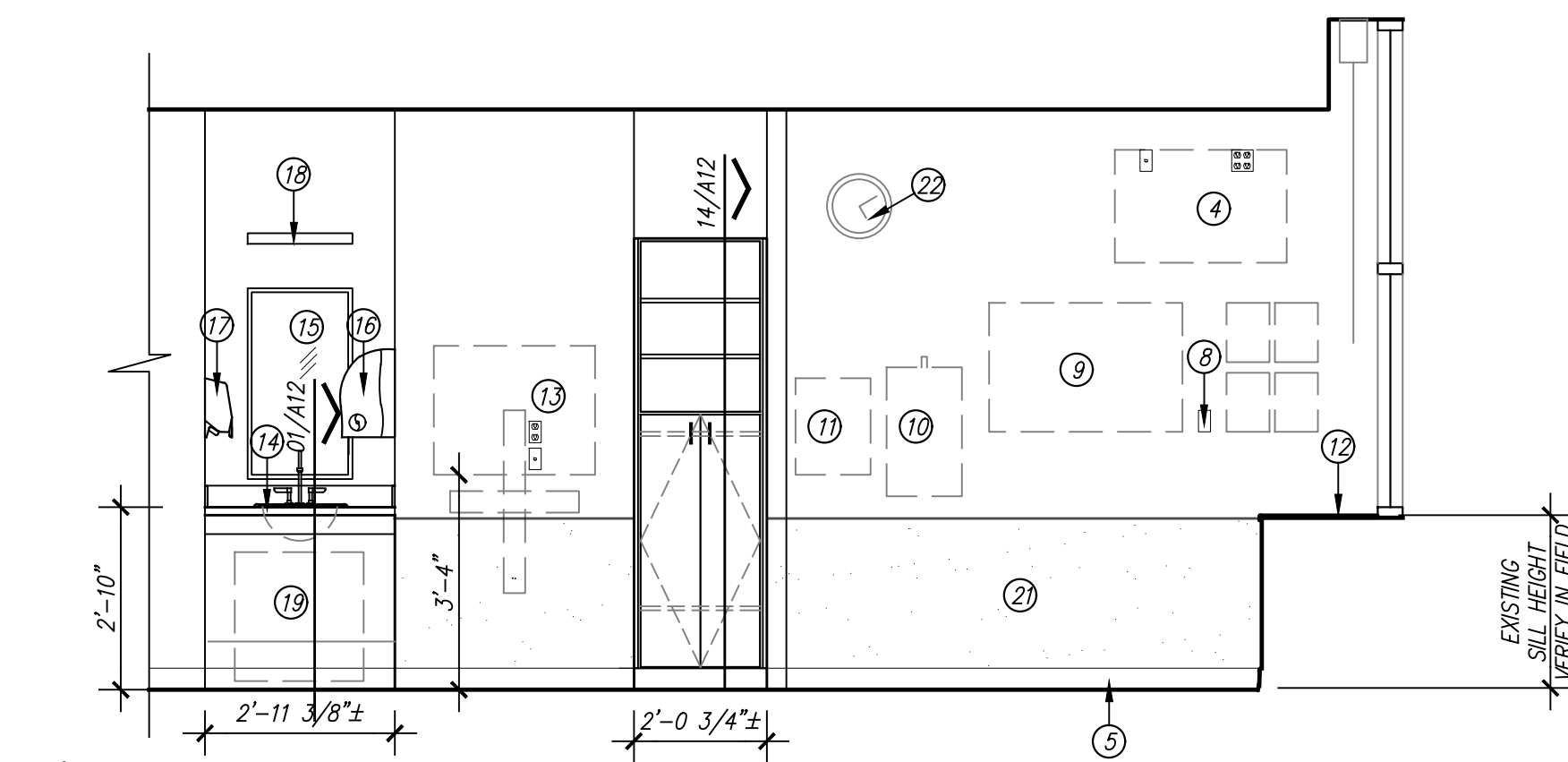
SCALE: 3/8" = 1'-0"



22/A10 INTERIOR ELEVATION

SCALE: 3/8" = 1'-0"

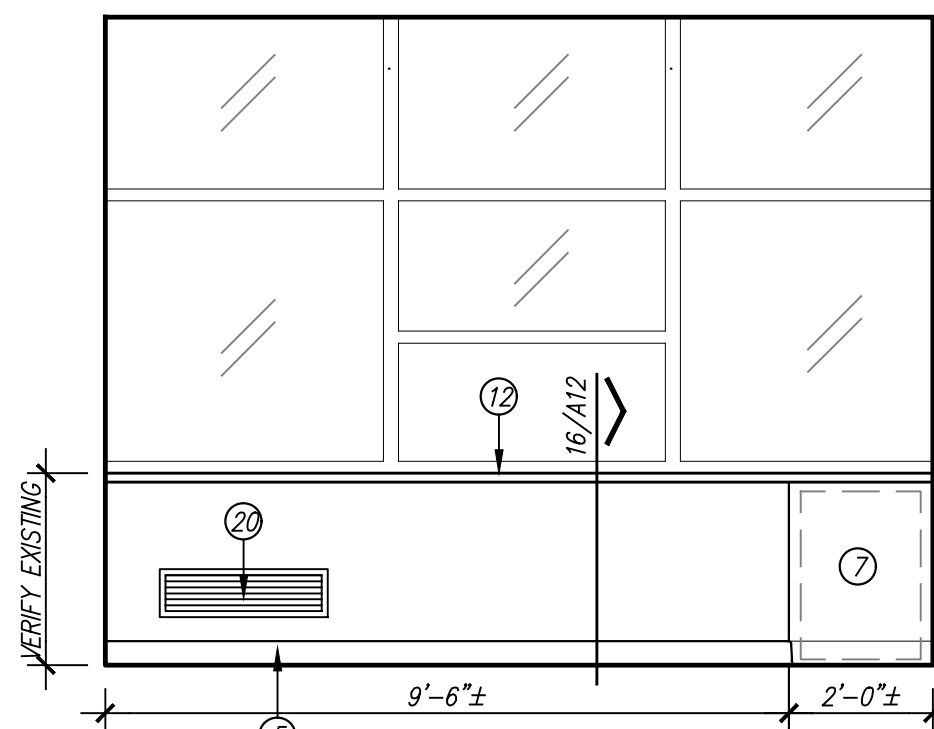
TYPICAL @ MS 517-528



14/A10 INTERIOR ELEVATION

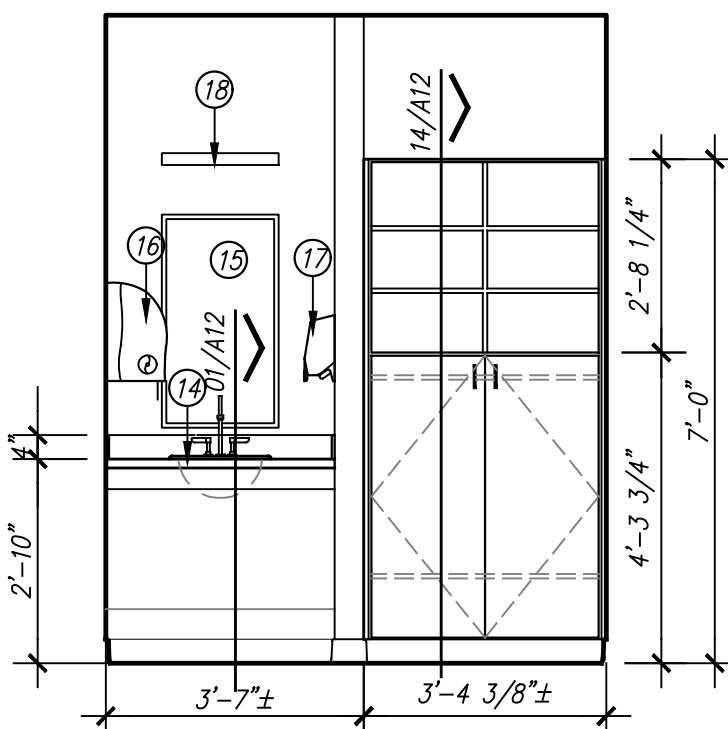
SCALE: 3/8" = 1'-0"

TYPICAL @ MS 504-516



23/A10 INTERIOR ELEVATION TYPICAL AT WINDOW SILL

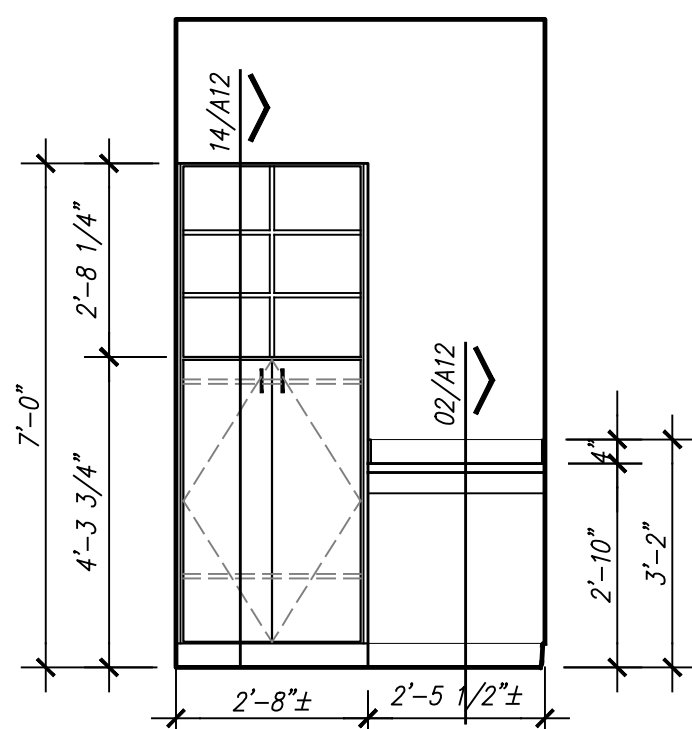
SCALE: 3/8" = 1'-0"



15/A10 MILLWORK ELEVATION

SCALE: 3/8" = 1'-0"

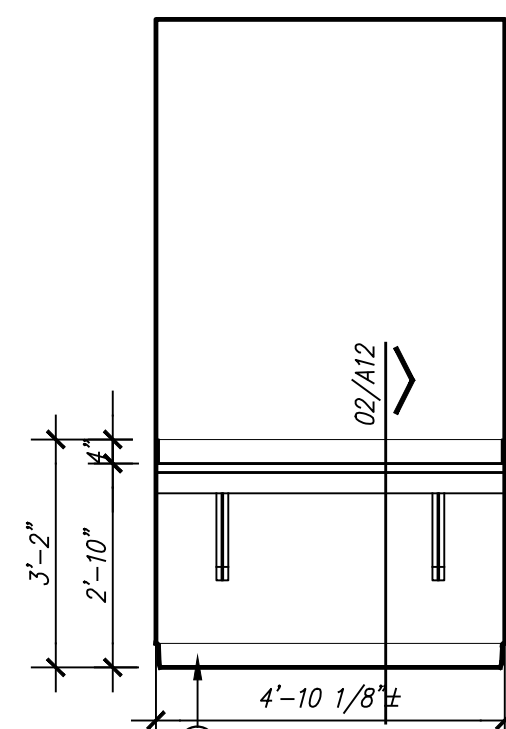
MS 534 TO 562



11/A10 MILLWORK ELEVATION

SCALE: 3/8" = 1'-0"

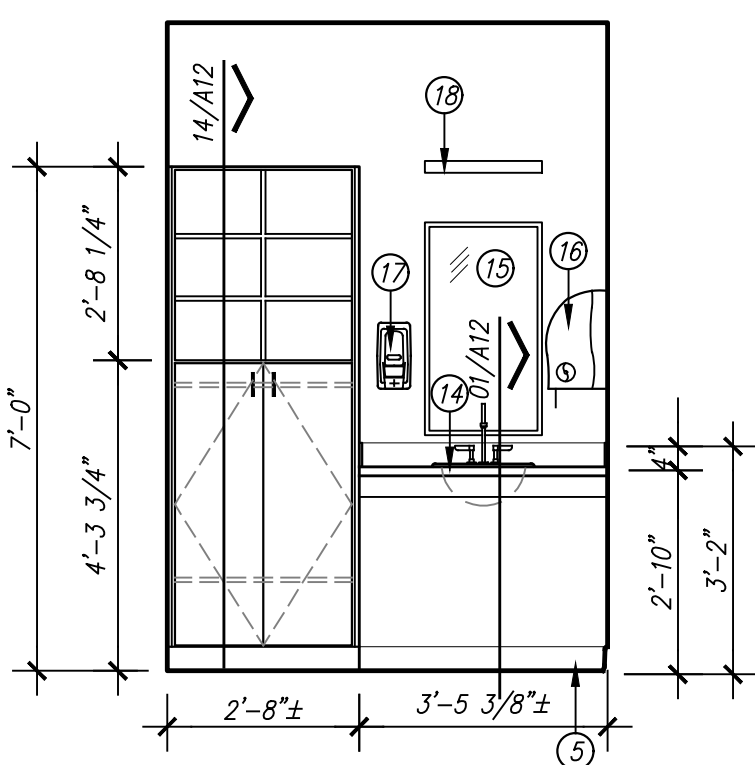
MS 532 & 533



07/A10 MILLWORK ELEVATION

SCALE: 3/8" = 1'-0"

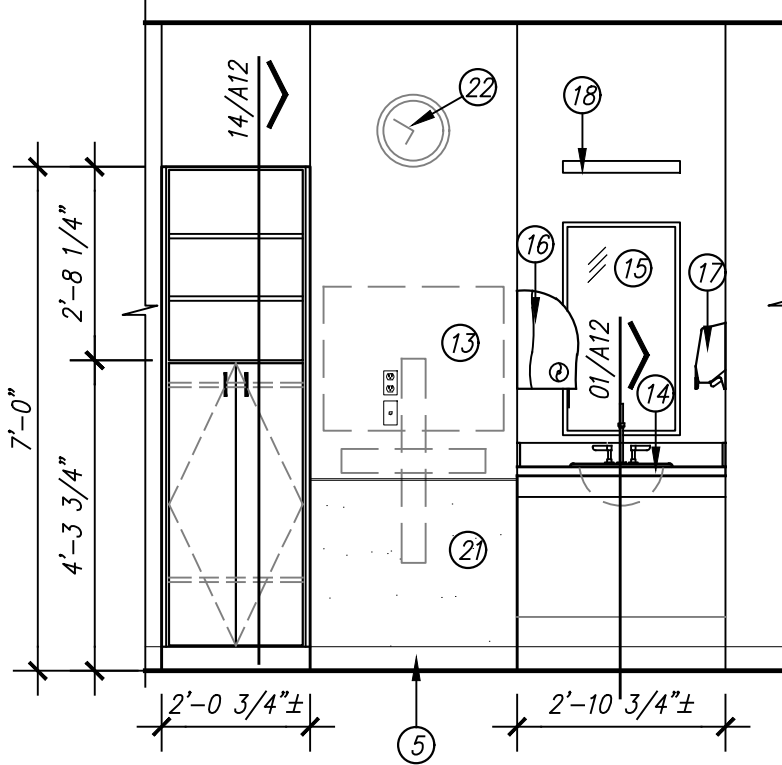
MS 532 & 533



24/A10 MILLWORK ELEVATION

SCALE: 3/8" = 1'-0"

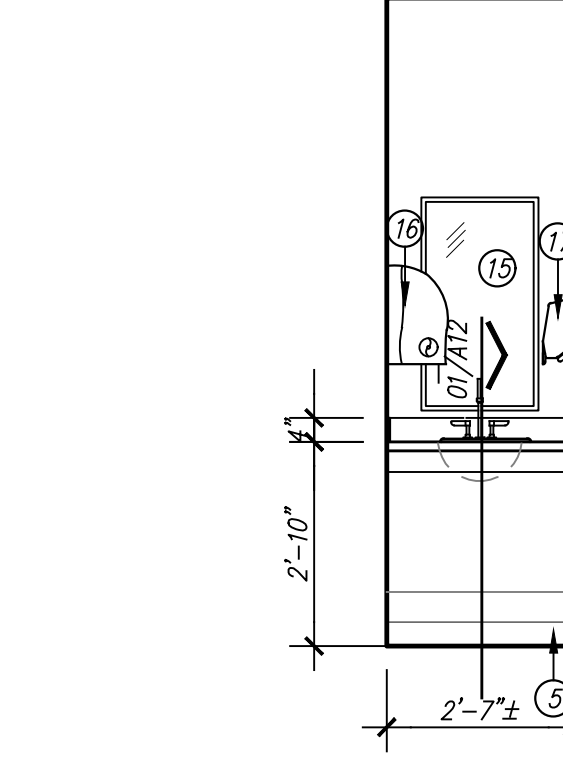
MS 529,530 & 531



20/A10 MILLWORK ELEVATION

SCALE: 3/8" = 1'-0"

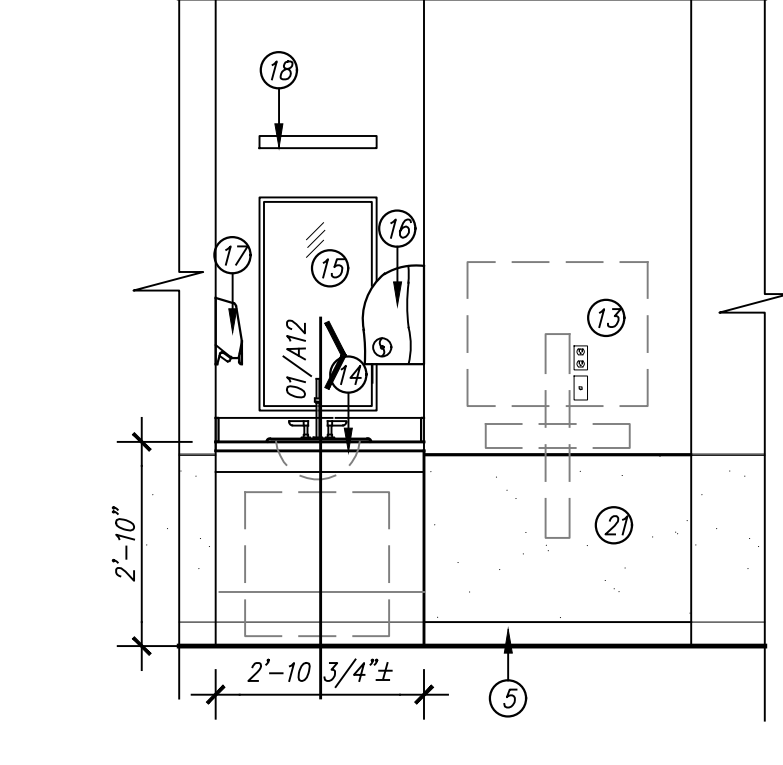
ICU 500 501,502 503



16/A10 MILLWORK ELEVATION

SCALE: 3/8" = 1'-0"

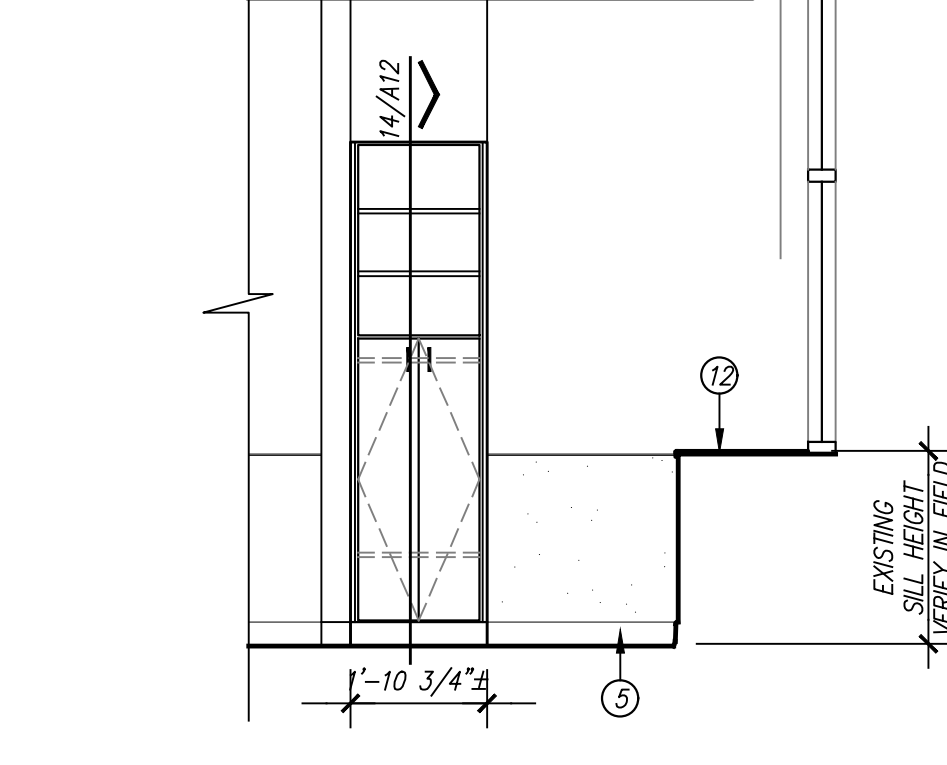
MS 532 & 533



12/A10 MILLWORK ELEVATION

SCALE: 3/8" = 1'-0"

PATIENT ROOMS 563 TO 566



08/A10 MILLWORK ELEVATION

SCALE: 3/8" = 1'-0"

PATIENT ROOMS 563 TO 566

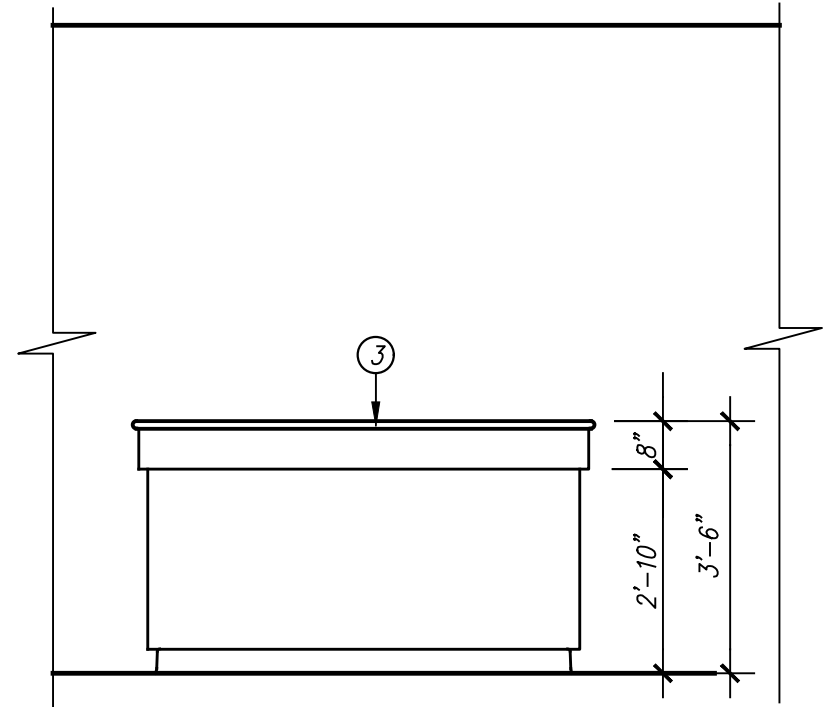
GENERAL NOTES

- ON ALL WALLS SCHEDULED TO REMAIN. PATCH ANY EXISTING HOLES, CRACKS, OR OTHERWISE DAMAGED AREAS AND RE-TEXTURE AND PAINT AS SCHEDULED.
- FIELD VERIFY ALL DIMENSIONS NEW OR EXISTING PRIOR TO CONSTRUCTION AND ADJUST WHERE REQUIRED TO PROVIDE A PROPER AND COMPLETE INSTALLATION. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WITH EXISTING OR NEW CONDITIONS.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS.

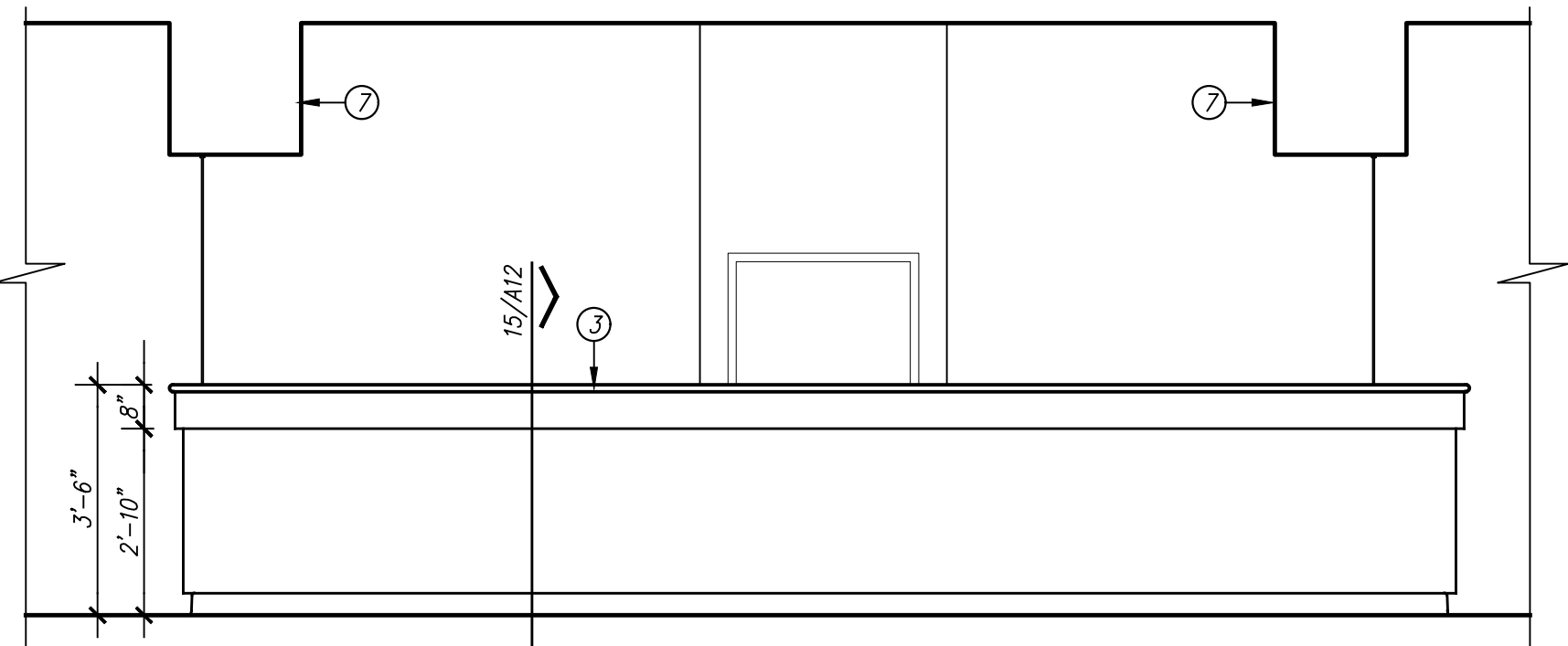
KEYED NOTES

DESIGNATED BY:  ②

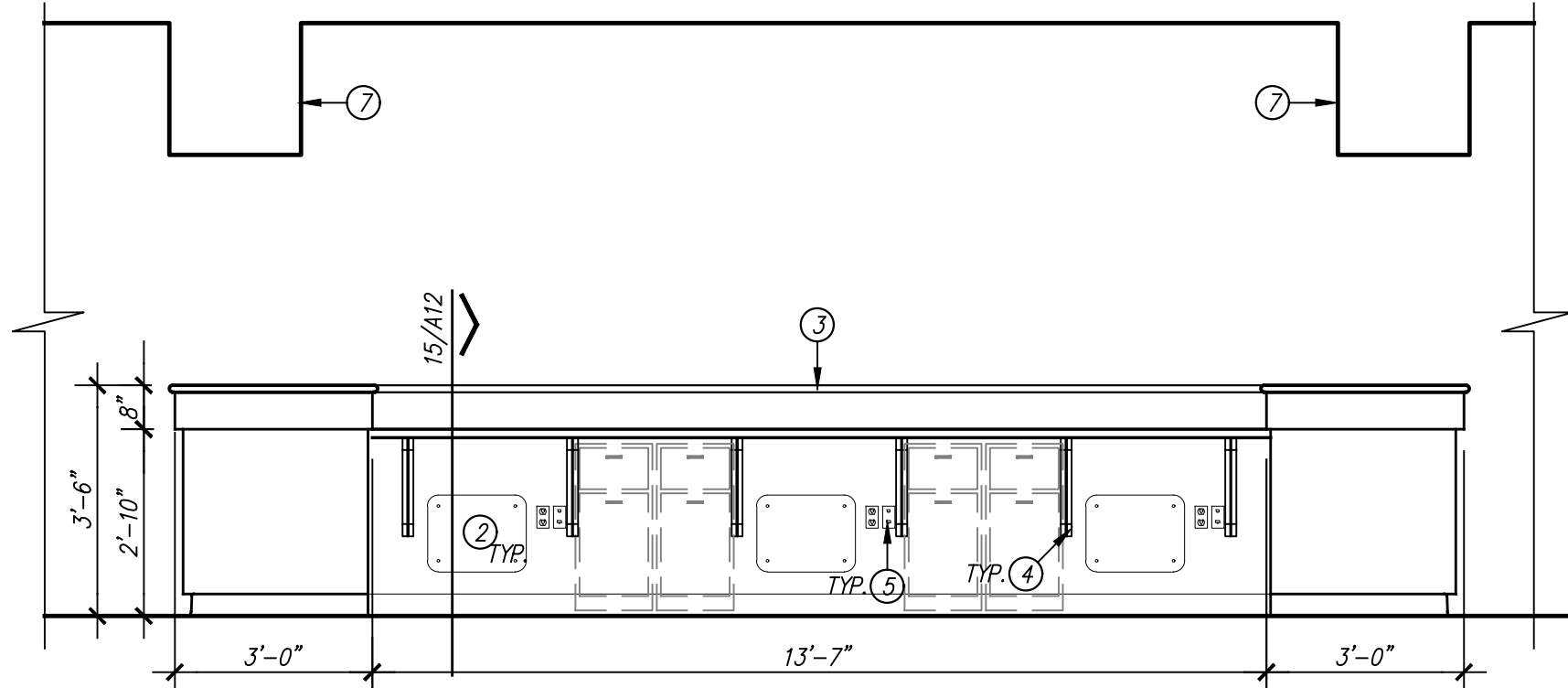
- EXISTING LIGHT FIXTURE TO REMAIN. REFER TO ELECTRICAL FOR MORE INFORMATION.
- EXISTING BED LOCATOR TO REMAIN. COORDINATE EXACT LOCATION WITH OWNER.
- EXISTING MED/GAS OUTLETS TO REMAIN.
- FLAT PANEL MONITOR. OWNER FURNISHED, CONTRACTOR INSTALLED. PROVIDE BLOCKING. COORDINATE EXACT LOCATION WITH OWNER.
- BASE AS SCHEDULED.
- EXISTING DEVICES IN THE WALL TO REMAIN. REFER TO IMPE.
- HOSPITAL EQUIPMENT. OWNER FURNISHED, OWNER INSTALLED.
- MARKERS. OWNER FURNISHED, CONTRACTOR INSTALLED.
- COMMUNICATION BOARD. OWNER FURNISHED, CONTRACTOR INSTALLED.
- SHARPS. OWNER FURNISHED, CONTRACTOR INSTALLED.
- GLOVES DISPENSER. OWNER FURNISHED, CONTRACTOR INSTALLED.
- NEW SOLID SURFACE WINDOW SILL.
- COMPUTER/T.V. MONITOR AND ARM. OWNER FURNISHED, CONTRACTOR INSTALLED. PROVIDE BLOCKING. COORDINATE EXACT LOCATION WITH OWNER.
- NEW SOLID SURFACE COUNTER TOP WITH INTEGRAL SOLID SURFACE BOWL AND NEW FAUCETS. REFER TO PLUMBING.
- MIRROR: BOTTOM EDGE OF REFLECTIVE SURFACE MOUNTED 40" A.F.F. MAXIMUM. TOP MOUNTED 74" A.F.F. MINIMUM. CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.
- PAPER TOWEL DISPENSER MOUNT WITH CONTROLS @ 47" A.F.F. OWNER FURNISHED, CONTRACTOR INSTALLED.
- SOAP DISPENSER MOUNT WITH CONTROLS @ 47" A.F.F. OWNER FURNISHED, CONTRACTOR INSTALLED.
- EXISTING VANITY LIGHT FIXTURE TO REMAIN. REFER TO ELECTRICAL.
- LINEN BIN. OWNER PROVIDED, OWNER INSTALLED.
- NEW LOW RETURN GRILL. REFER TO MECHANICAL.
- WALL PROTECTION PANEL WITH TRIM CAP. REFER FINISH SCHEDULE.
- CLOCK. OWNER PROVIDED, OWNER INSTALLED.



25/A11 MILLWORK ELEVATION
SCALE: 3/8" = 1'-0" NURSE STATION 570 AND 590



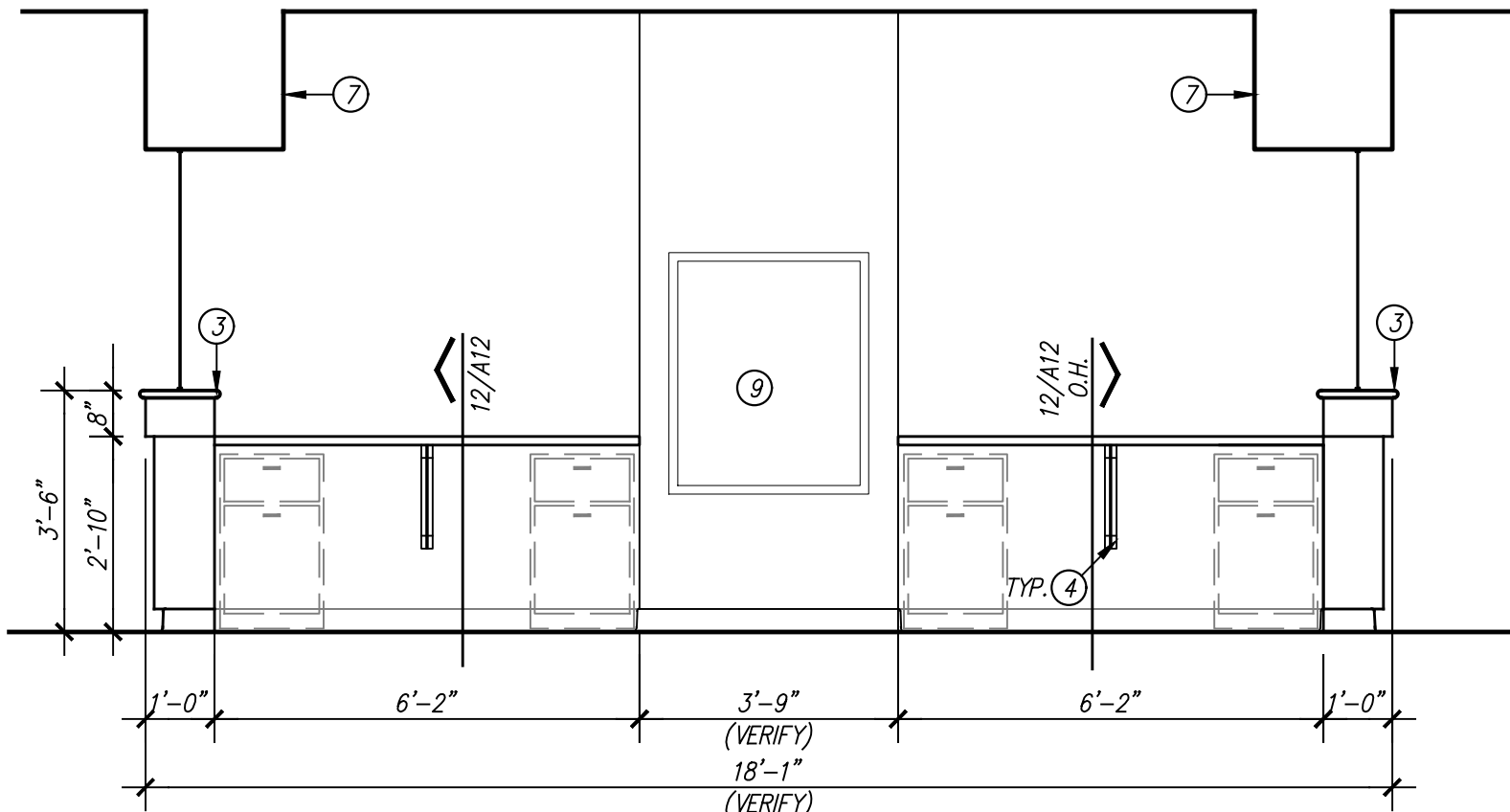
21/A11 MILLWORK ELEVATION
SCALE: 3/8" = 1'-0"



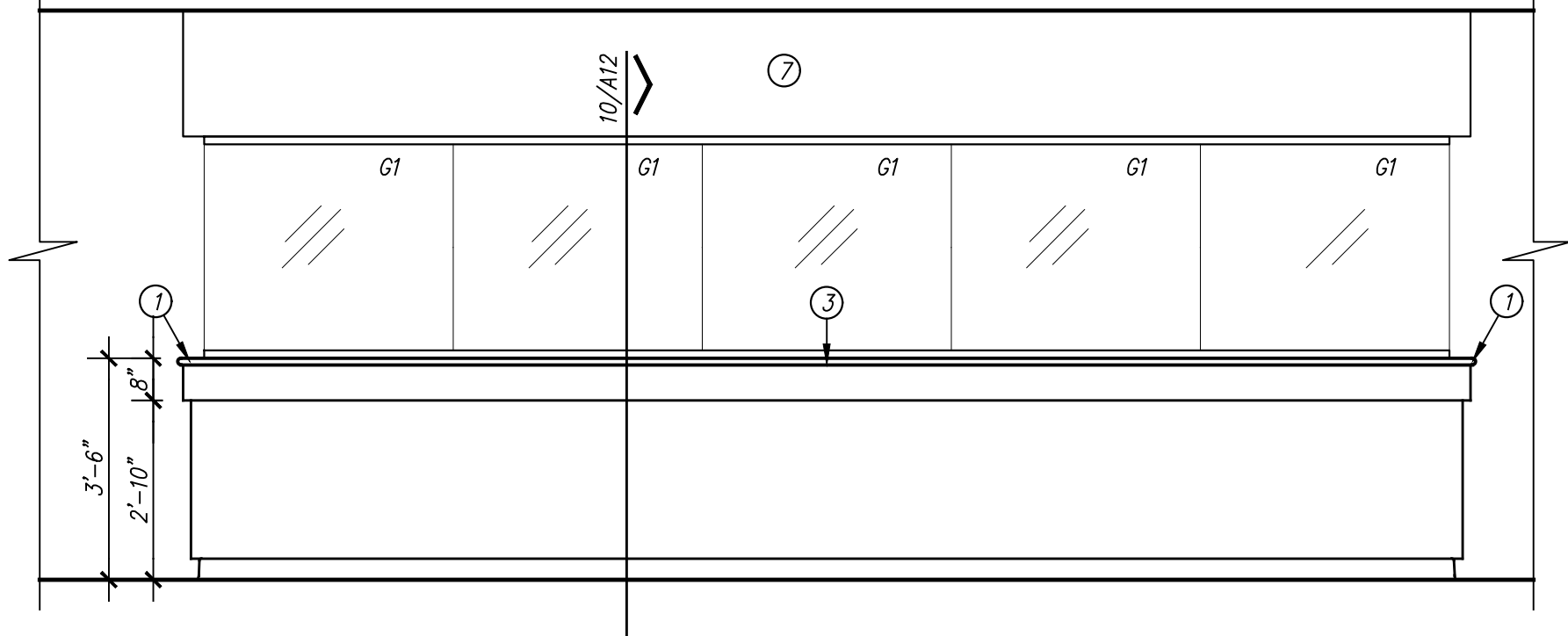
09/A11 MILLWORK ELEVATION
SCALE: 3/8" = 1'-0" NURSE STATION 570 AND 590

KEYED NOTES

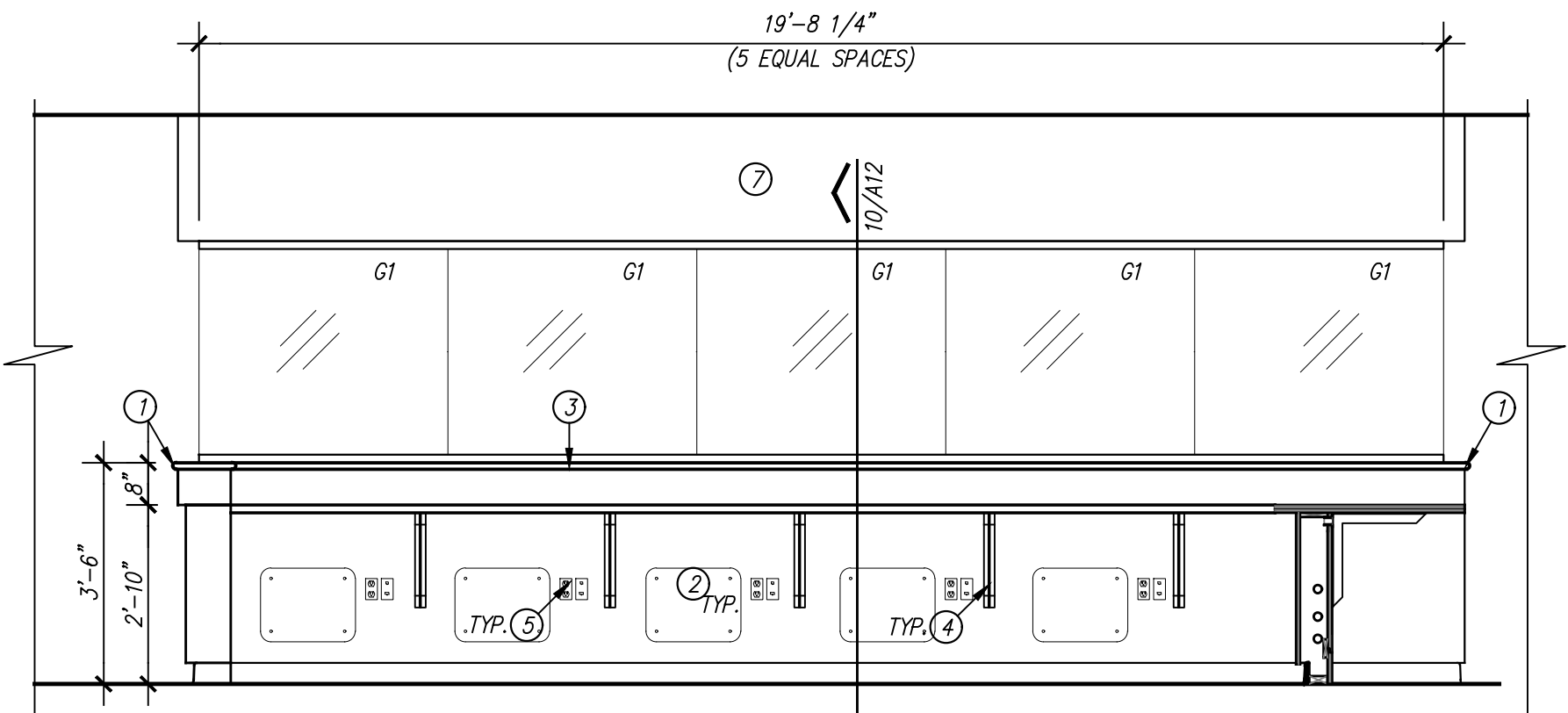
- DESIGNATED BY: 7
- 1 2" RADIUS CORNER OF COUNTERTOP.
 - 2 ACCESS PANEL.
 - 3 SOLID SURFACE COUNTERTOP.
 - 4 UNDERCOUNTER SUPPORT BRACKET.
 - 5 RECEPTACLE/DATA PORT MOUNTED 18" ABOVE FINISH FLOOR. REFER TO ELECTRICAL.
 - 6 EXISTING HOSPITAL EQUIPMENT TO REMAIN.
 - 7 GYPSUM BOARD FURRDOWN.
 - 8 EXISTING FURRDOWN TO REMAIN.
 - 9 EXISTING PNEUMATIC TUBE STATION TO REMAIN.



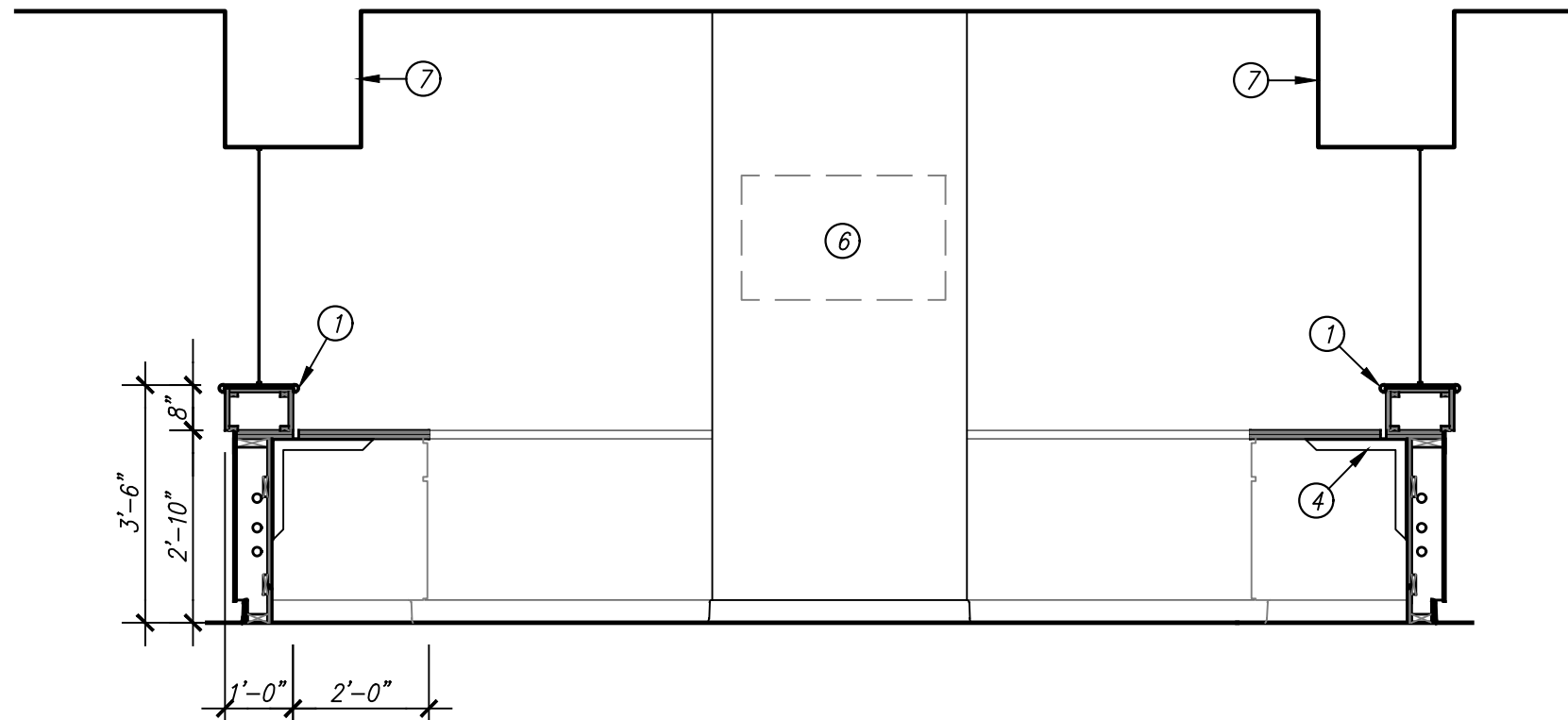
26/A11 MILLWORK ELEVATION
SCALE: 3/8" = 1'-0" NURSE STATION 570 AND 590



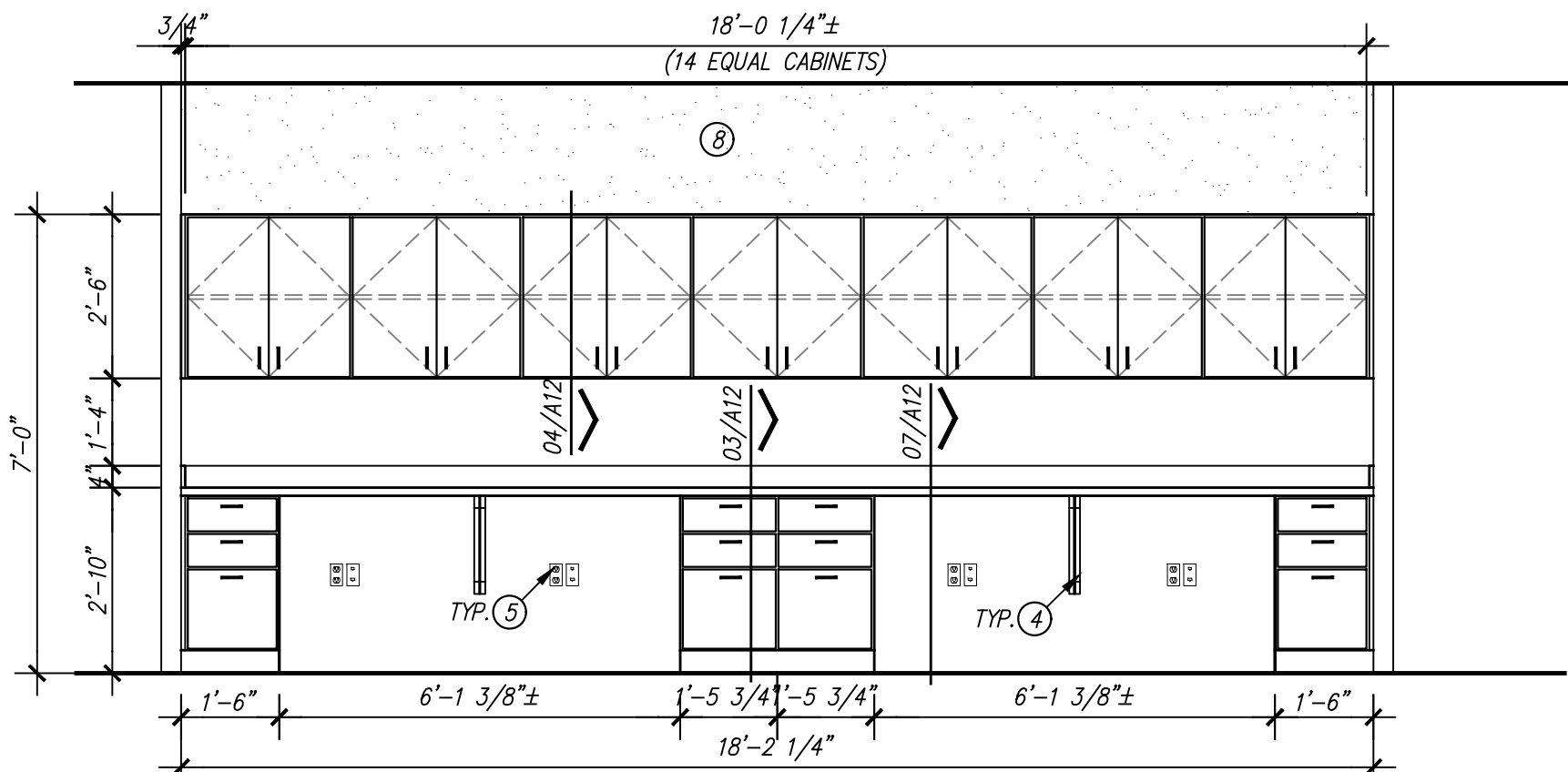
18/A11 MILLWORK ELEVATION
SCALE: 3/8" = 1'-0" NURSE STATION 570 AND 590



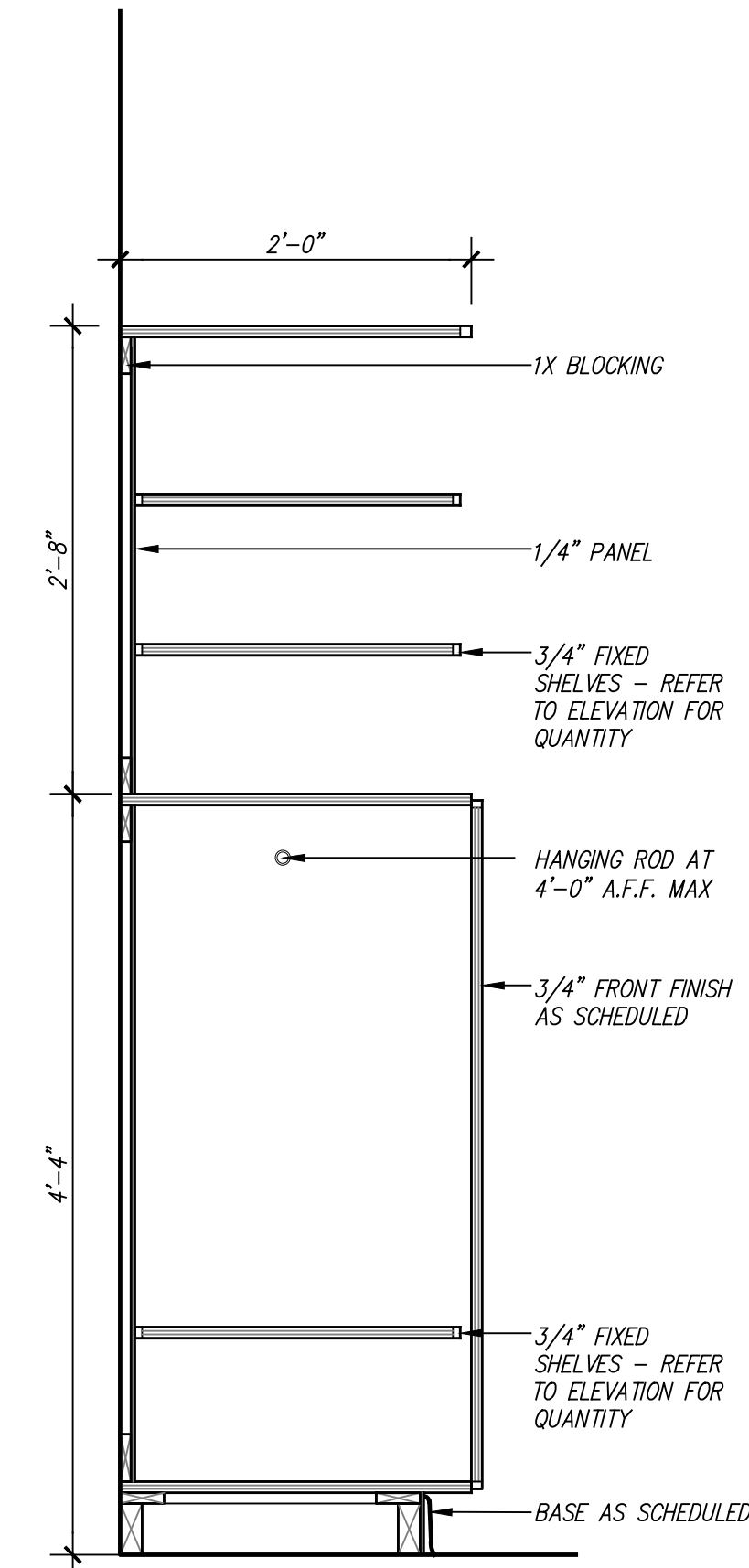
27/A11 MILLWORK ELEVATION
SCALE: 3/8" = 1'-0" NURSE STATION 570 AND 590



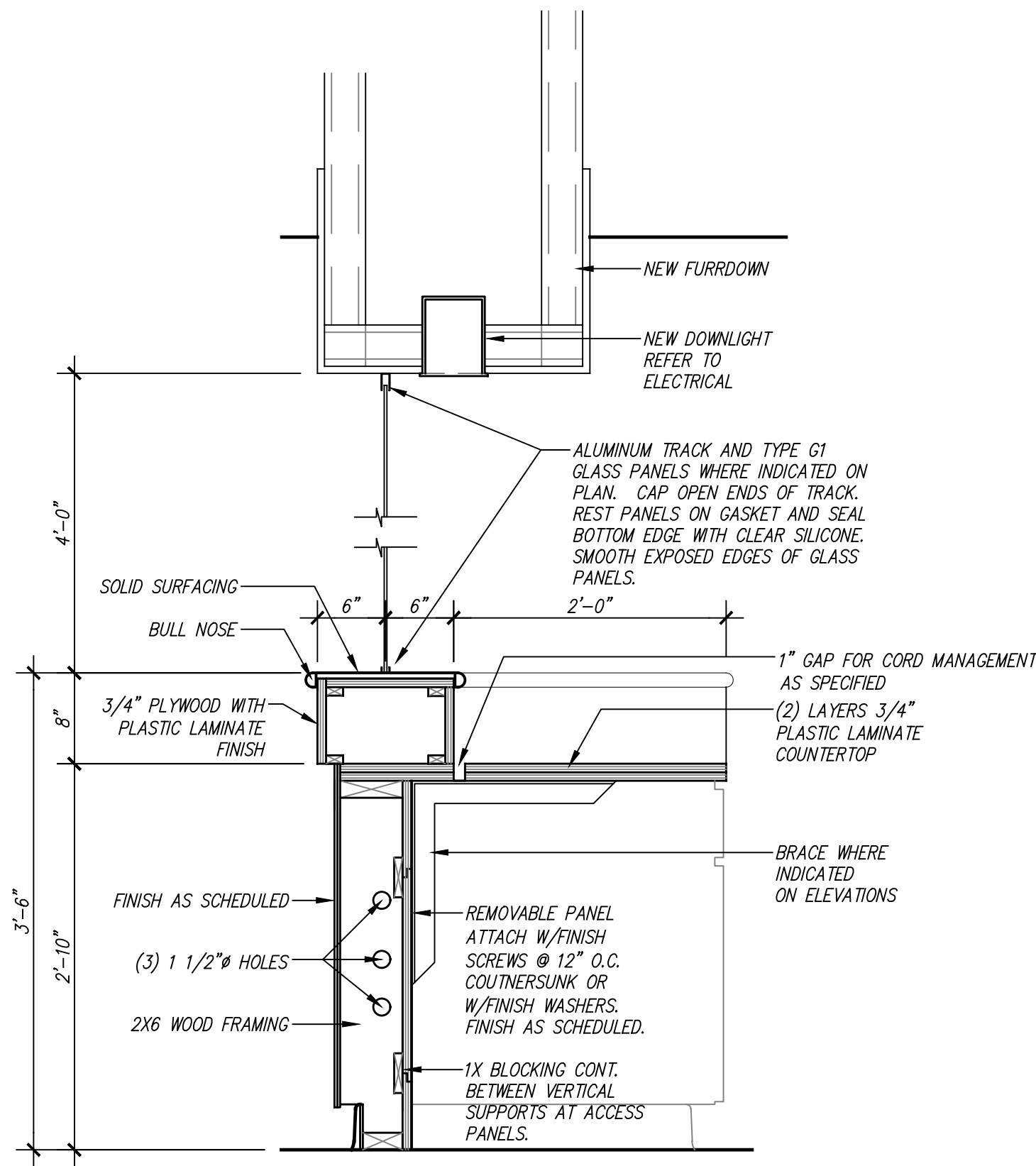
15/A11 MILLWORK ELEVATION
SCALE: 3/8" = 1'-0" NURSE STATION 570 AND 590



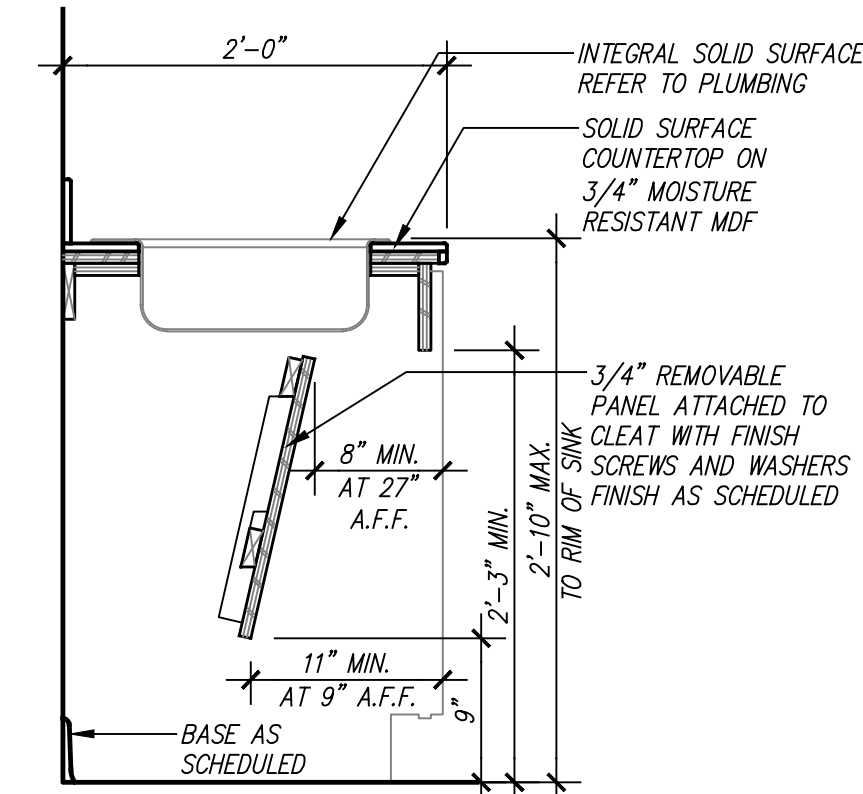
28/A11 MILLWORK ELEVATION
SCALE: 3/8" = 1'-0" PHYS. WORK 569



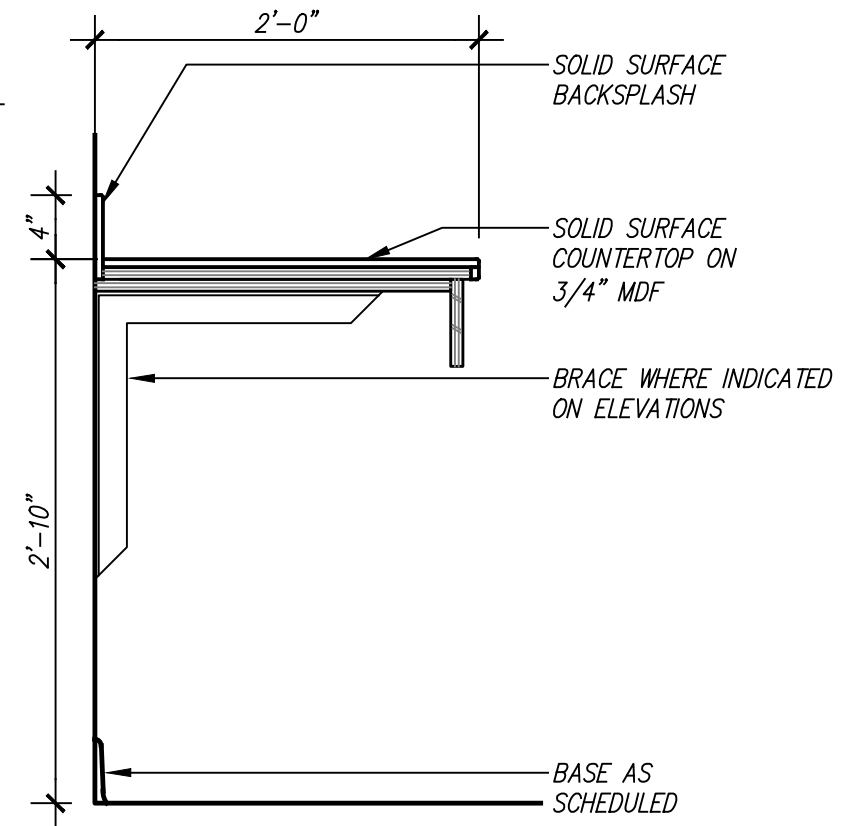
14/A12 MILLWORK SECTION
SCALE: 1" = 1'-0"



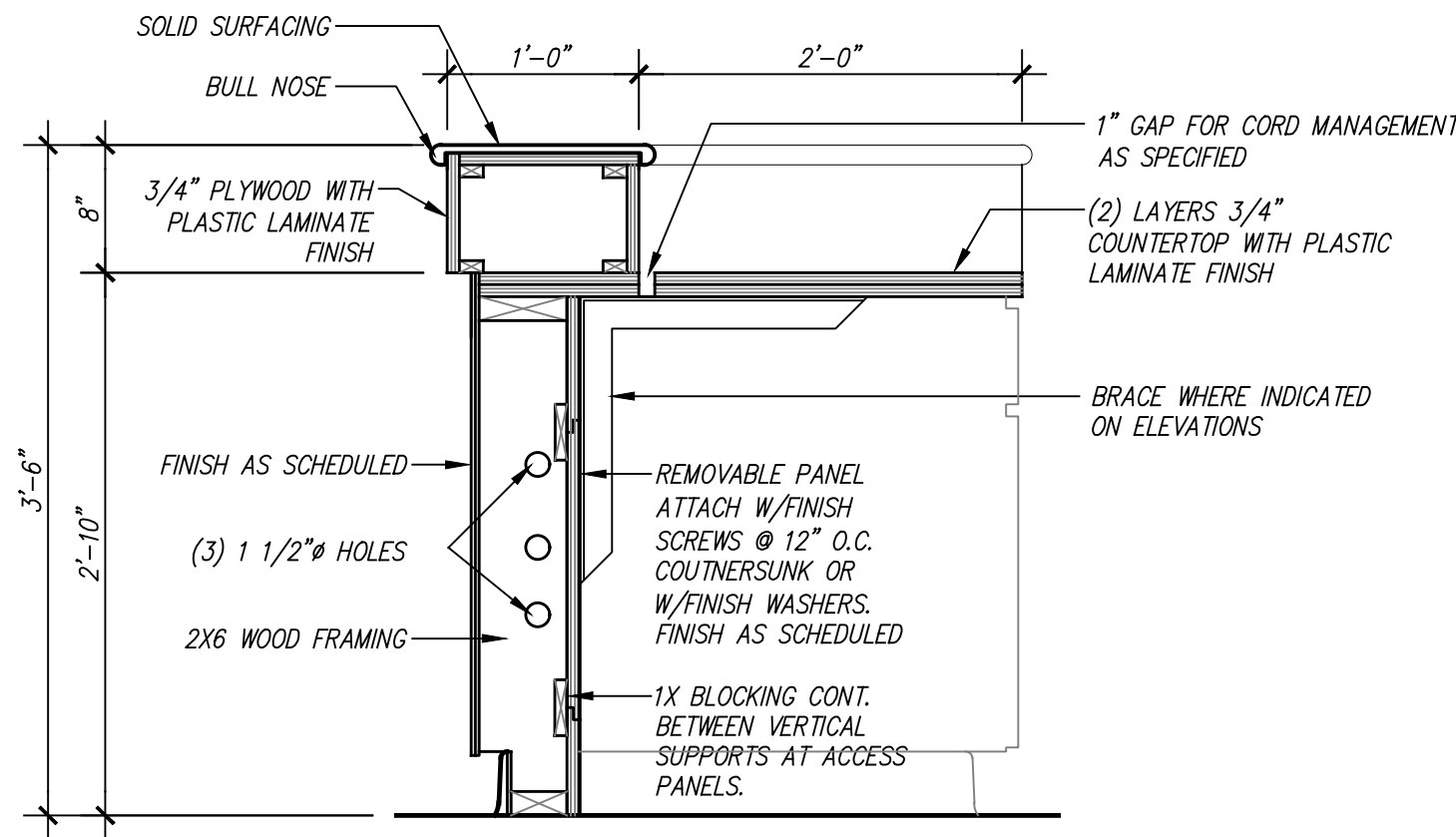
10/A12 MILLWORK SECTION
SCALE: 1" = 1'-0"



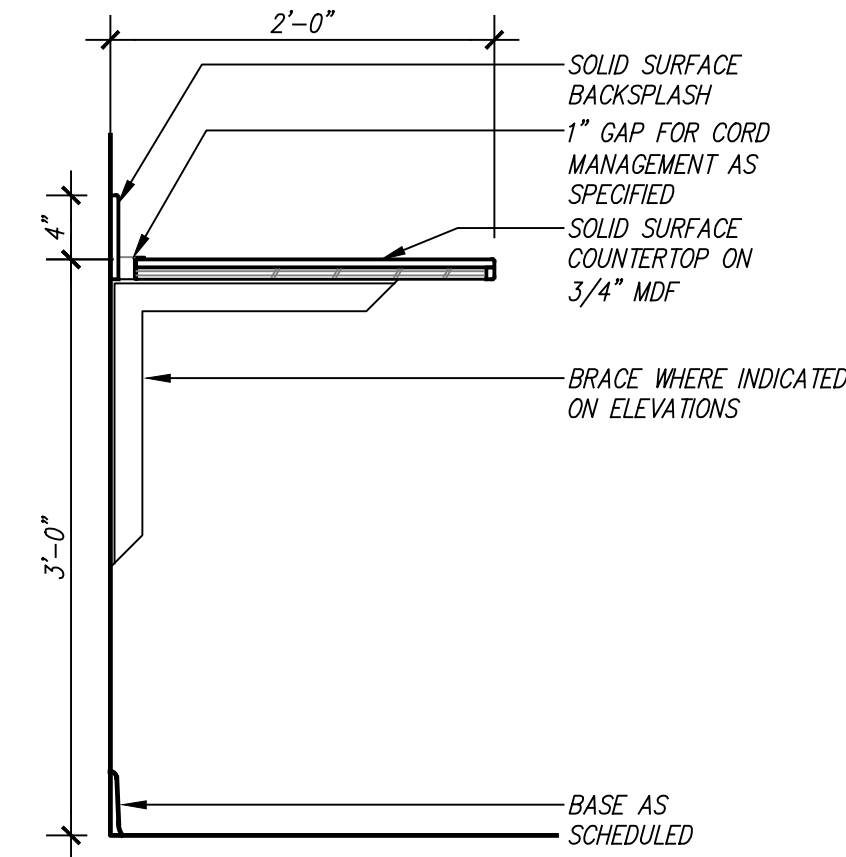
01/A12 MILLWORK SECTION
SCALE: 1" = 1'-0"



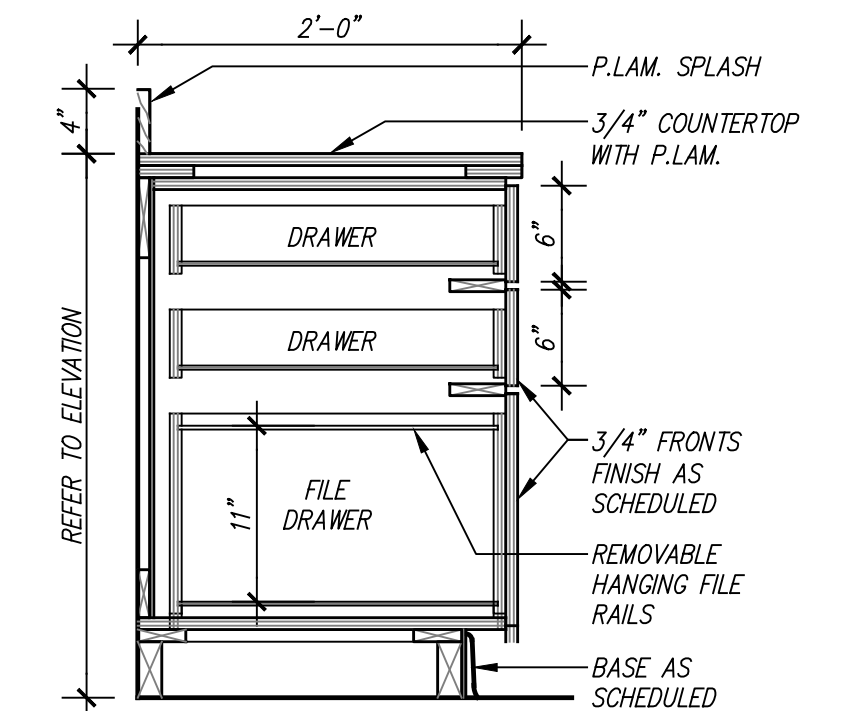
02/A12 MILLWORK SECTION
SCALE: 1" = 1'-0"



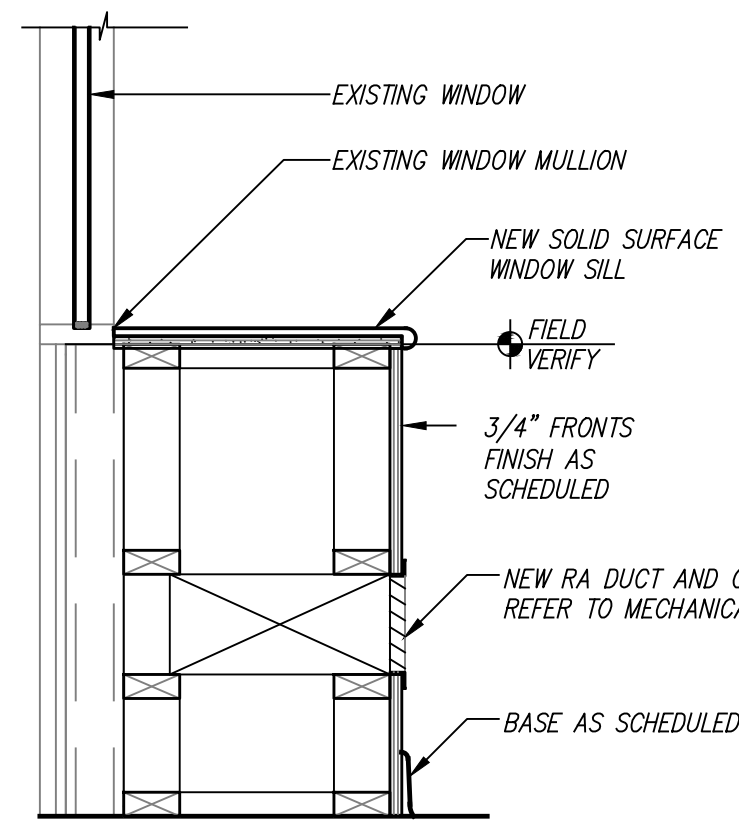
15/A12 MILLWORK SECTION
SCALE: 1" = 1'-0"



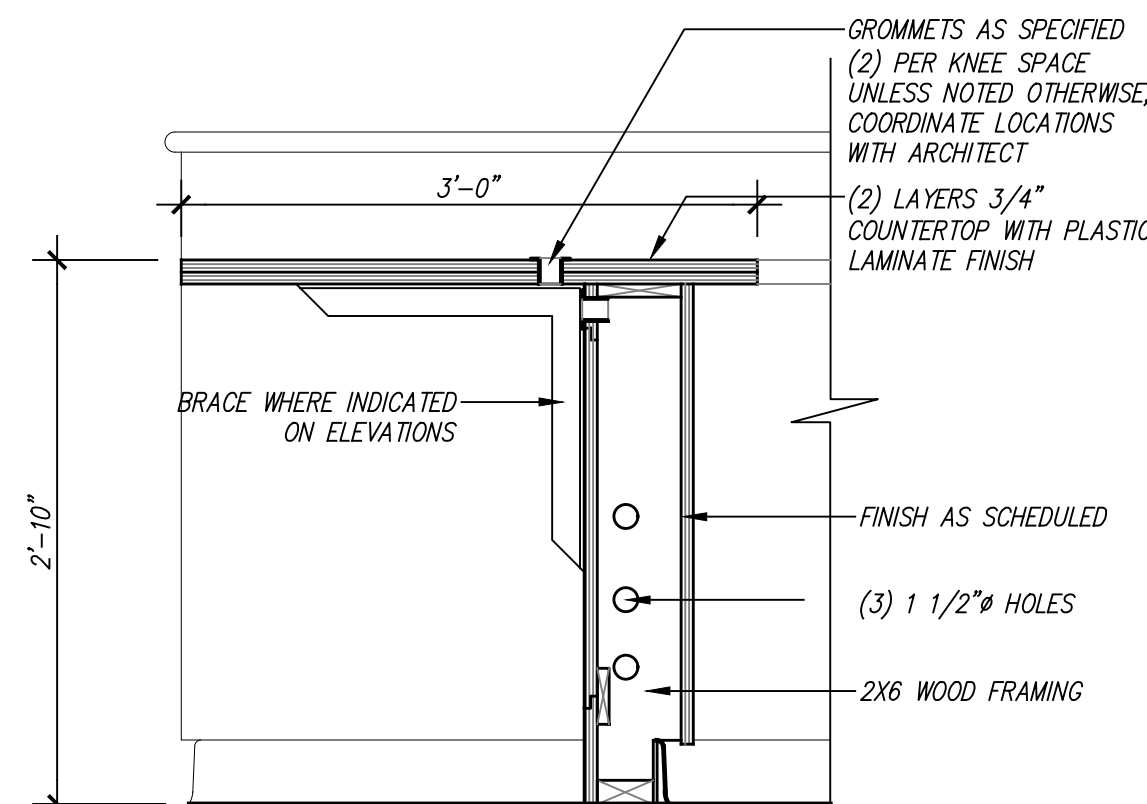
07/A12 MILLWORK SECTION
SCALE: 1" = 1'-0"



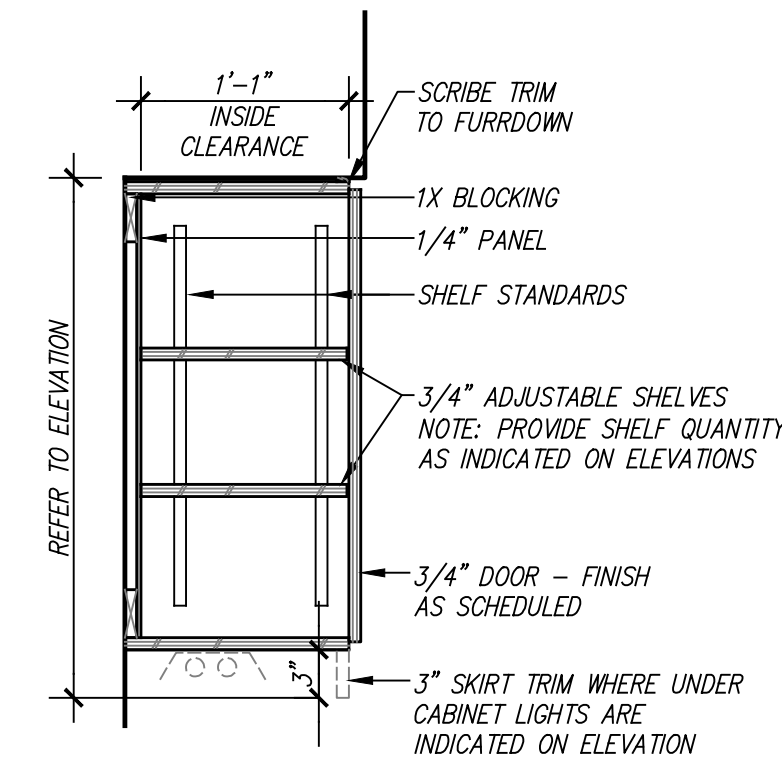
03/A12 MILLWORK SECTION
SCALE: 1" = 1'-0"



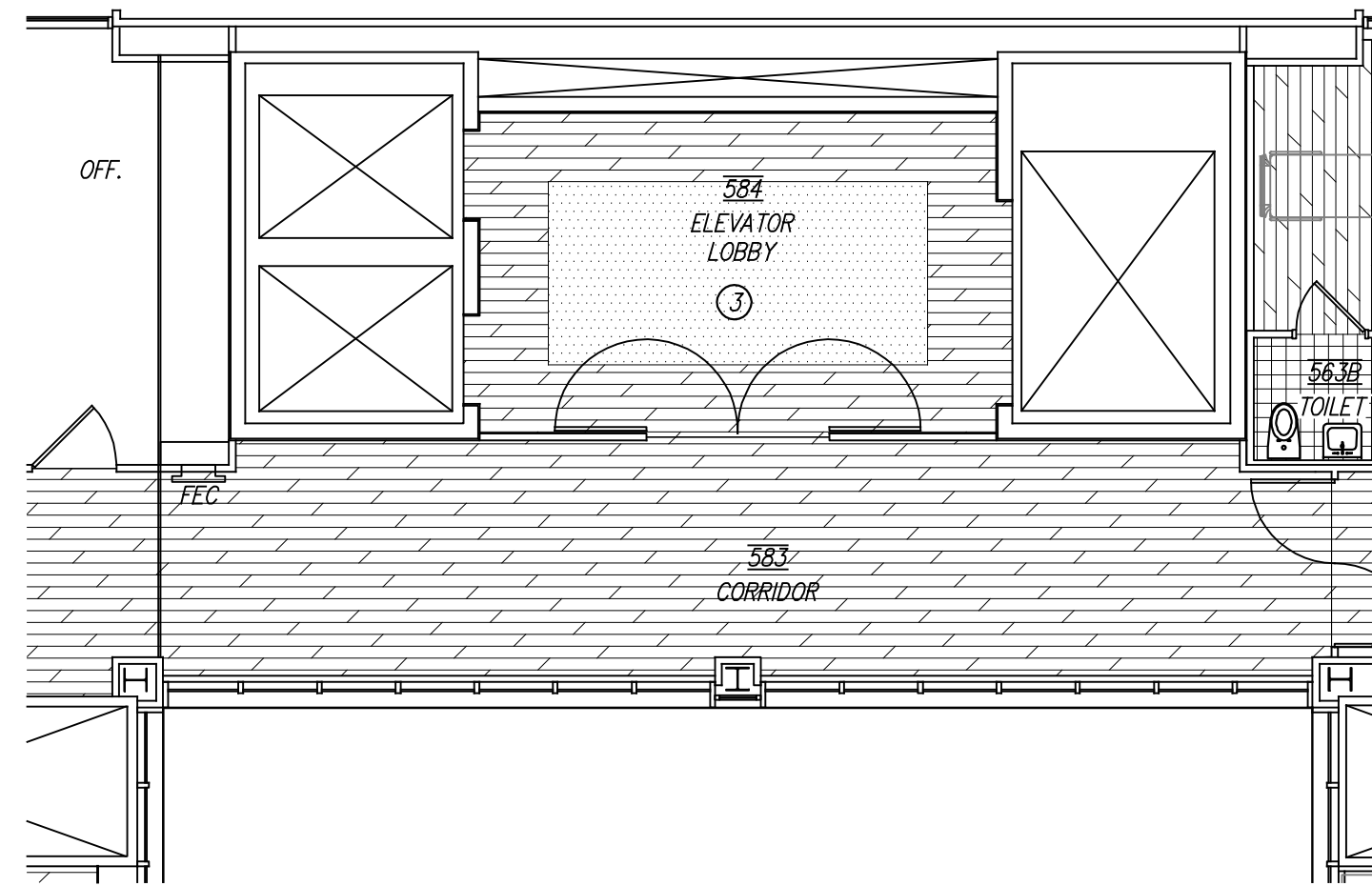
16/A12 MILLWORK SECTION
SCALE: 1" = 1'-0"



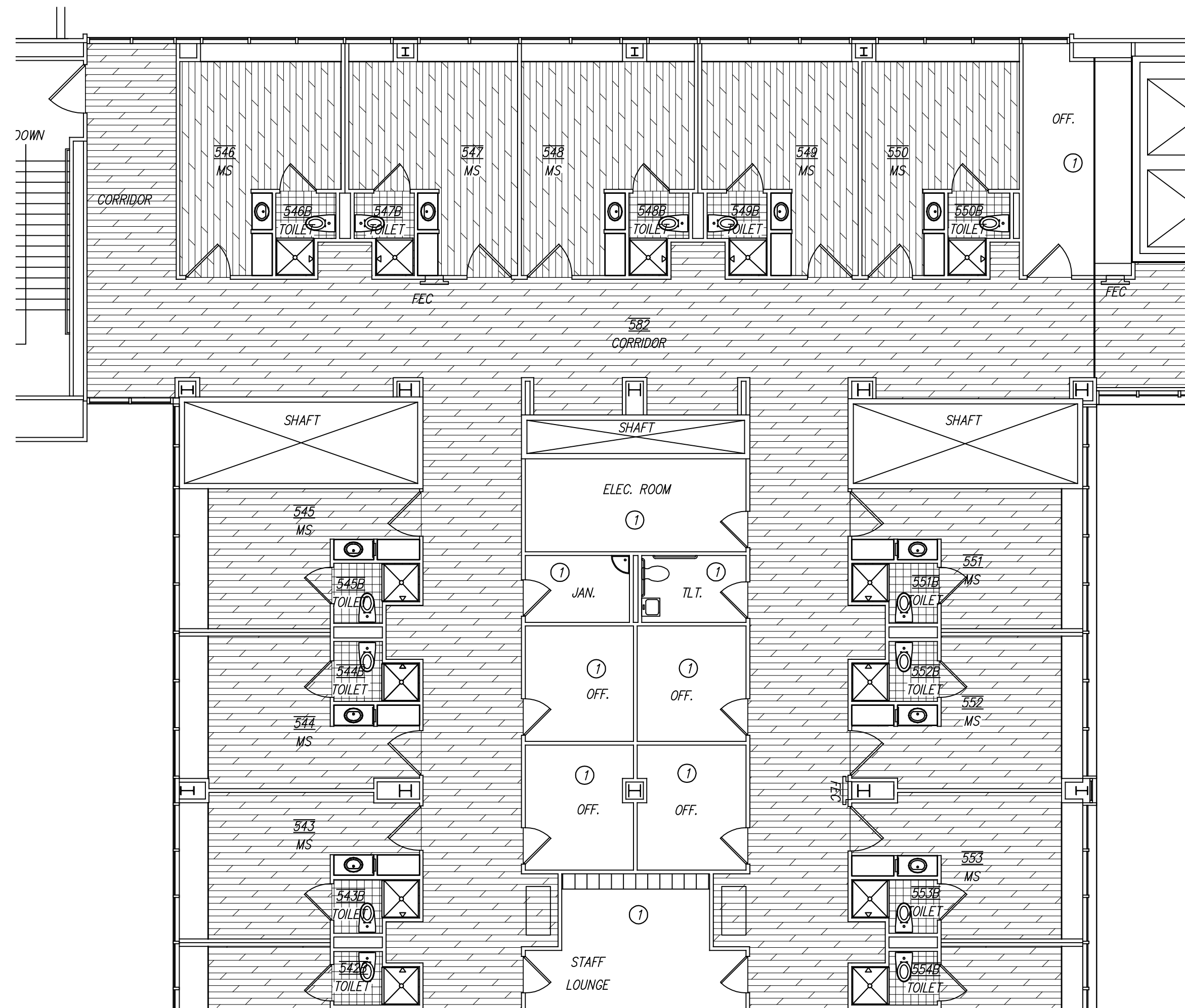
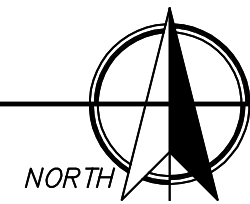
12/A12 MILLWORK SECTION
SCALE: 1" = 1'-0"



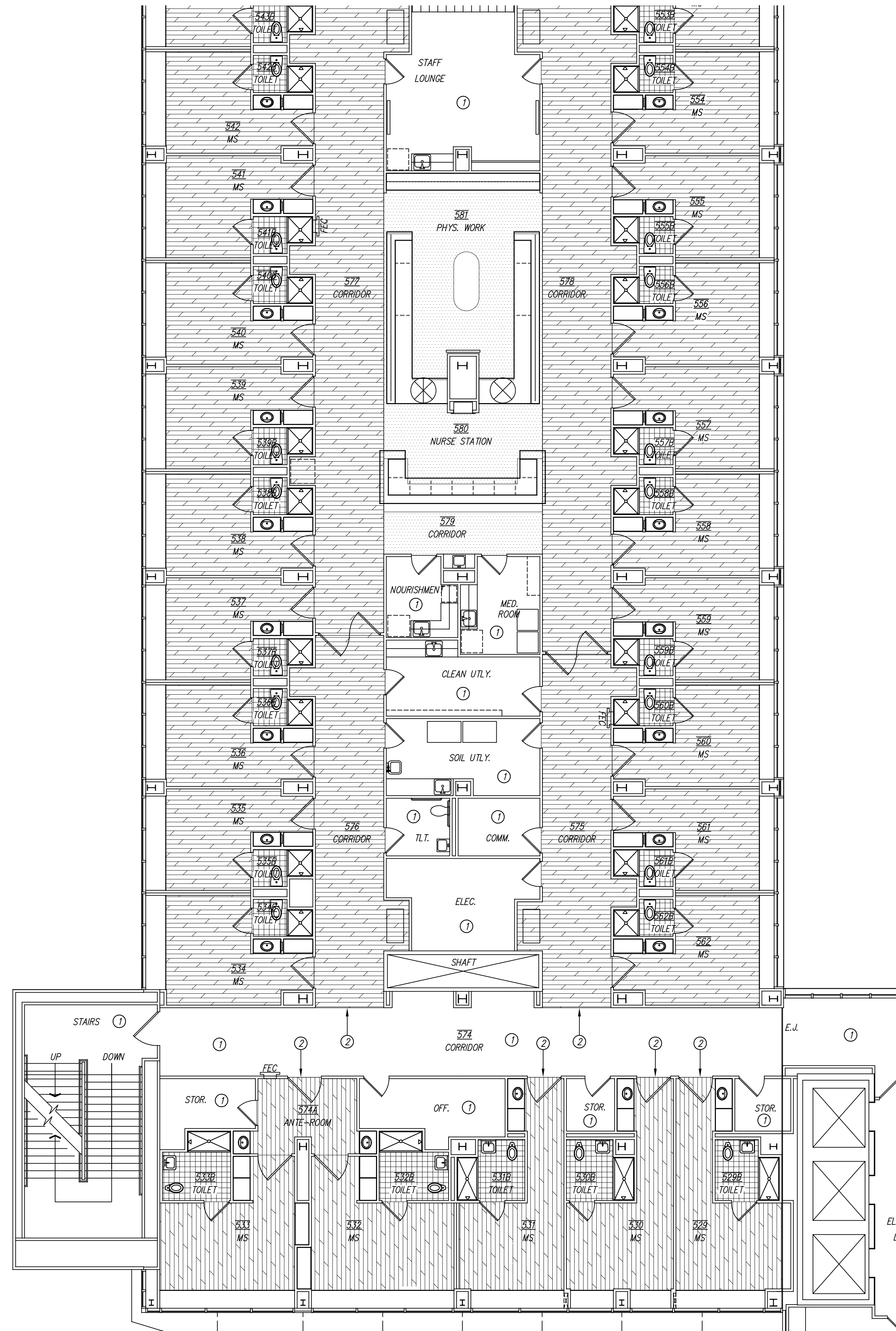
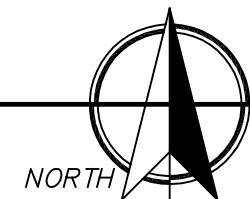
04/A12 MILLWORK SECTION
SCALE: 1" = 1'-0"



25/ID1 FIFTH FLOOR-PARTIAL FLOOR FINISH PLAN-NORTH ELEVATOR LOBBY
SCALE: 1/8" = 1'-0"



28/ID1 FIFTH FLOOR-PARTIAL FLOOR FINISH PLAN-WEST
SCALE: 1/8" = 1'-0"



16/ID1 FIFTH FLOOR-PARTIAL FLOOR FINISH PLAN-WEST
SCALE: 1/8" = 1'-0"



GENERAL NOTES

- REFER TO THE PROJECT MANUAL AND FINISH SCHEDULE FOR ADDITIONAL INFORMATION. SHOULD THERE BE A DISCREPANCY BETWEEN THE DOCUMENTS, SUCH DISCREPANCY IS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE CONTRACTOR SHALL RECEIVE INSTRUCTION PRIOR TO INSTALLATION OR PERFORMANCE OF SAID WORK. WORK PERFORMED IN CONFLICT WITH THE DRAWINGS OR SCHEDULE SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
- ALL WORK IS TO BE PERFORMED ACCORDING TO MANUFACTURER'S RECOMMENDED METHODS.
- FIELD VERIFY ALL DIMENSIONS NEW OR EXISTING PRIOR TO CONSTRUCTION AND ADJUST WHERE REQUIRED TO PROVIDE A PROPER AND COMPLETE INSTALLATION. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WITH EXISTING OR NEW CONDITIONS.
- REPAIR EXISTING FLOORS SCHEDULED TO REMAIN AND REFINISH AS INDICATED.
- PROVIDE SMOOTH TRANSITION WHERE NEW CONSTRUCTION INTERSECTS WITH EXISTING CONDITIONS. IN ALL AREAS ADJACENT TO NEW CONSTRUCTION, REPAIR, REFINISH AND INSTALL NEW WALL, BASE, PAINT, ETC. WHERE NECESSARY TO AVOID PATCHES OR INCONSISTENT FINISHES.
- INCLUDE ALL TRIM, INSIDE/OUTSIDE CORNER, CONNECTOR, AND END CAP PIECES FOR COMPLETE INSTALLATION OF FINISHES.
- A PRE-INSTALLATION MEETING WITH THE ARCHITECT IS REQUIRED PRIOR TO THE INSTALLATION OF VINYL FLOORING PRODUCTS.
- INSTALL FLOORING TO WALL UNDER OPEN MILLWORK.
- INSTALL/REPLACE TRANSITION STRIPS BETWEEN DIFFERENT FLOORING TYPES AS SCHEDULED.
- INSTALL NEW BASE AT NEW OR PARTIAL WALL CONSTRUCTION. PROVIDE SMOOTH TRANSITION BY RETURNING BASE TO CORNER.
- PATCH BACK AND REPAIR ALL WALLS, CEILING AND FLOORS WHERE DAMAGED DUE TO FIXTURE OR DEVICE REMOVAL/RELOCATION. MATCH MATERIAL OR EXISTING SURROUNDING CONDITIONS.
- ALL EXISTING FLOORING TOO BE REMOVED AS REQUIRED TO ACCOMMODATE NEW WORK. REFER TO FINISH SCHEDULE.
- ALL SHOWERS TO BE PREPPED AS FOLLOWS FOR SOLID SURFACE MATERIAL INSTALLATION:
 - REMOVE FLOORING AND ALL FINISHES IN THEIR ENTIRETY.
 - REMOVE GYPSUM BOARD 2'-0" A.F.F. FOR RECEPTOR INSTALLATION.
 - REPLACE WITH NEW GYPSUM BOARD AS SPECIFIED AFTERWARDS.

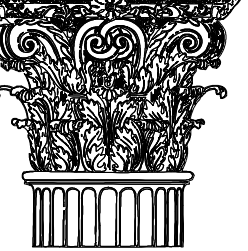
KEYED NOTES

- DESIGNATED BY: ①
- NO WORK IN THIS AREA.
 - ALIGN FINISHES TO SAME HEIGHT FOR SMOOTH TRANSITION.
 - PATTERN TO BE 8'-0" X 16'-0" AND CENTERED IN THE SPACE AS SHOWN.

FLOOR FINISH LEGEND

SV1	SV2	FT1
-----	-----	-----

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LUBBOCK, TX.
79415

REVISIONS:

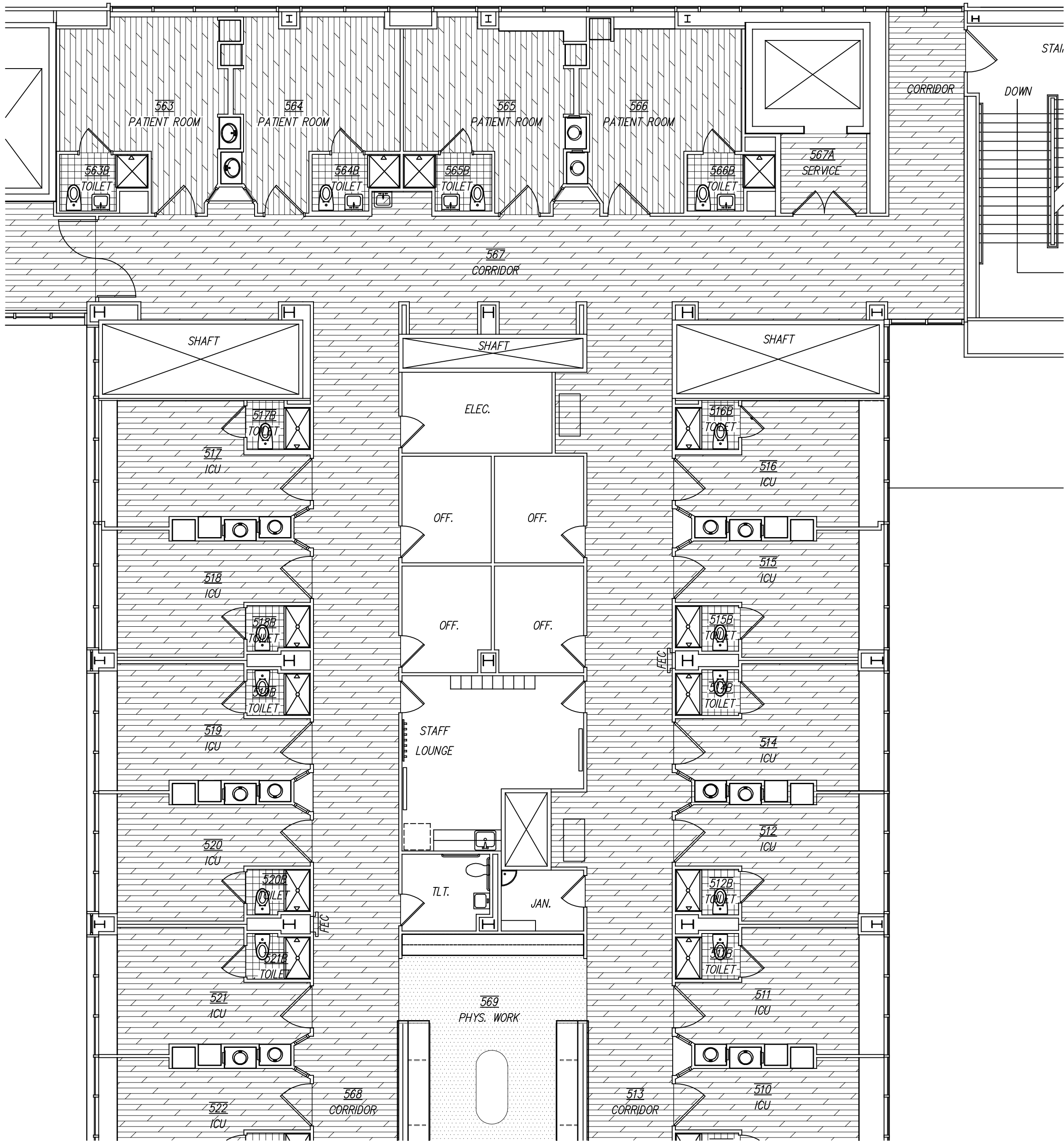
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PROJECT NO. 21823
DATE: 09/20/2019

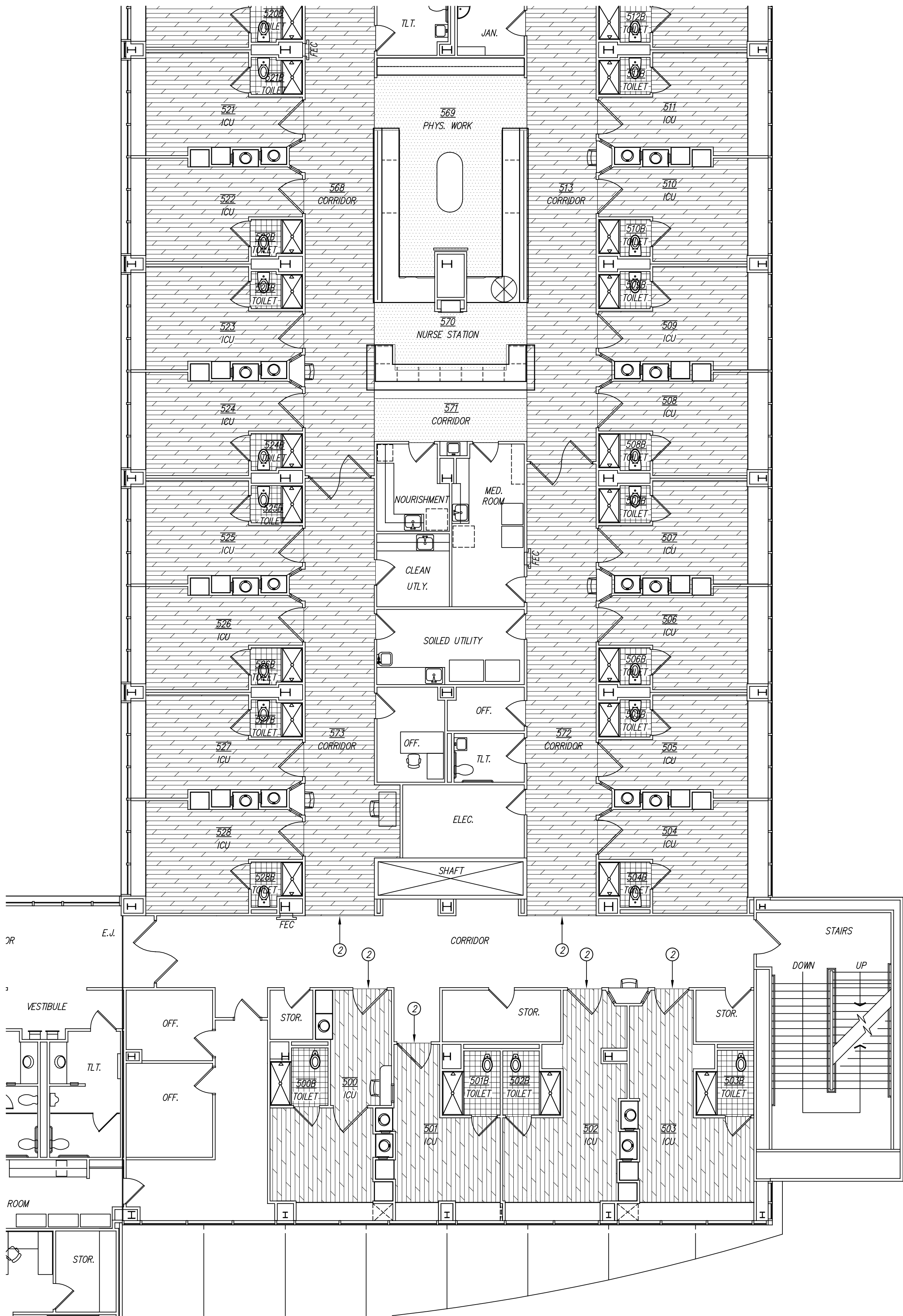
SHEET NO.

ID1

1 OF 4



28/ID2 FIFTH FLOOR-PARTIAL FLOOR FINISH PLAN-EAST
SCALE: 1/8" = 1'-0"



16/ID2 FIFTH FLOOR-PARTIAL FLOOR FINISH PLAN-EAST
SCALE: 1/8" = 1'-0"

GENERAL NOTES

- 1). REFER TO THE PROJECT MANUAL AND FINISH SCHEDULE FOR ADDITIONAL INFORMATION. SHOULD THERE BE A DISCREPANCY BETWEEN THE DOCUMENTS, SUCH DISCREPANCY IS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE CONTRACTOR SHALL RECEIVE INSTRUCTION PRIOR TO INSTALLATION OR PERFORMANCE OF SAID WORK. WORK PERFORMED IN CONFLICT WITH THE DRAWINGS OR SCHEDULE SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
- 2). ALL WORK IS TO BE PERFORMED ACCORDING TO MANUFACTURER'S RECOMMENDED METHODS.
- 3). FIELD VERIFY ALL DIMENSIONS NEW OR EXISTING PRIOR TO CONSTRUCTION AND ADJUST WHERE REQUIRED TO PROVIDE A PROPER AND COMPLETE INSTALLATION. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WITH EXISTING OR NEW CONDITIONS.
- 4). REPAIR EXISTING FLOORS SCHEDULED TO REMAIN AND REFINISH AS INDICATED.
- 5). PROVIDE SMOOTH TRANSITION WHERE NEW CONSTRUCTION INTERSECTS WITH EXISTING CONDITIONS. IN ALL AREAS ADJACENT TO NEW CONSTRUCTION, REPAIR, REFINISH AND INSTALL NEW WALL, BASE, PAINT, ETC. WHERE NECESSARY TO AVOID PATCHES OR INCONSISTENT FINISHES.
- 6). INCLUDE ALL TRIM, INSIDE/OUTSIDE CORNER, CONNECTOR, AND END CAP PIECES FOR COMPLETE INSTALLATION OF FINISHES.
- 7). A PRE-INSTALLATION MEETING WITH THE ARCHITECT IS REQUIRED PRIOR TO THE INSTALLATION OF VINYL FLOORING PRODUCTS.
- 8). INSTALL FLOORING TO WALL UNDER OPEN MILLWORK.
- 9). INCLUDE TRANSITION STRIPS BETWEEN DIFFERENT FLOORING TYPES AS SCHEDULED.
- 10). INSTALL NEW BASE AT NEW OR PARTIAL WALL CONSTRUCTION. PROVIDE SMOOTH TRANSITION BY RETURNING BASE TO CORNER.
- 11). PATCH BACK AND REPAIR ALL WALLS, CEILING AND FLOORS WHERE DAMAGED DUE TO FIXTURE OR DEVICE REMOVAL/RELOCATION. MATCH MATERIAL OR EXISTING SURROUNDING CONDITIONS.
- 12). ALL EXISTING FLOORING TOO BE REMOVED AS REQUIRED TO ACCOMMODATE NEW WORK. REFER TO FINISH SCHEDULE.
- 13). ALL SHOWERS TO BE PREPARED AS FOLLOWS FOR SOLID SURFACE MATERIAL INSTALLATION:
 - A) REMOVE FLOORING AND ALL FINISHES IN THEIR ENTIRETY.
 - B) REMOVE GYPSUM BOARD 2'-0" A.F.F. FOR RECEPTOR INSTALLATION.
 - C) REPLACE WITH NEW GYPSUM BOARD AS SPECIFIED AFTERWARDS.

KEYED NOTES

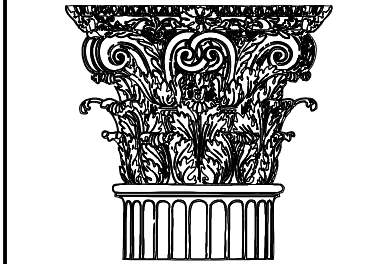
DESIGNATED BY:

- ① NO WORK IN THIS AREA.
- ② ALIGN FINISHES TO SAME HEIGHT FOR SMOOTH TRANSITION.
- ③ PATTERN TO BE 8'-0" X 16'-0" AND CENTERED IN THE SPACE AS SHOWN.

FLOOR FINISH LEGEND

	SV1
	SV2
	FT1

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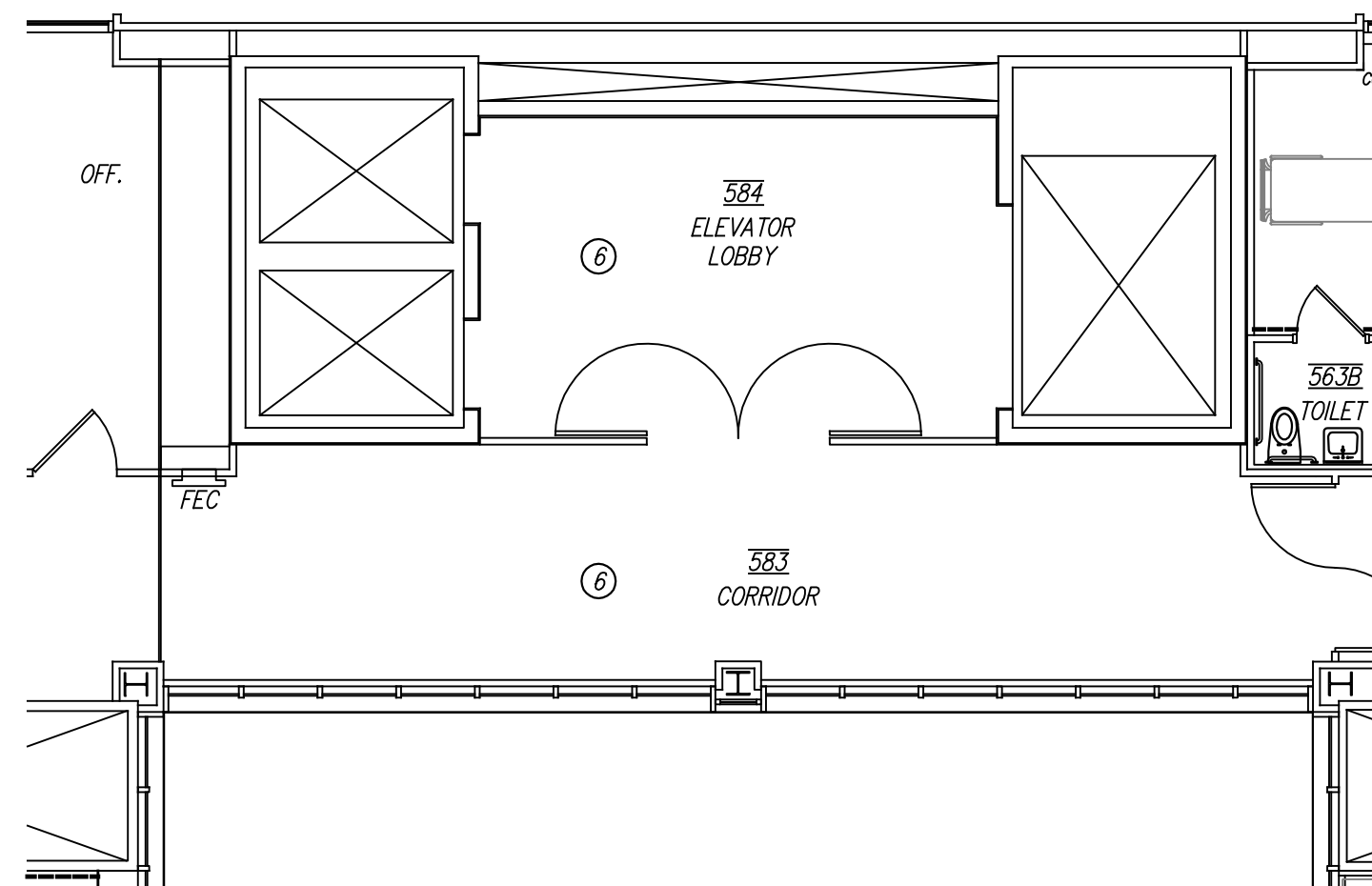
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PROJECT NO. 21823
DATE: 09/20/2019

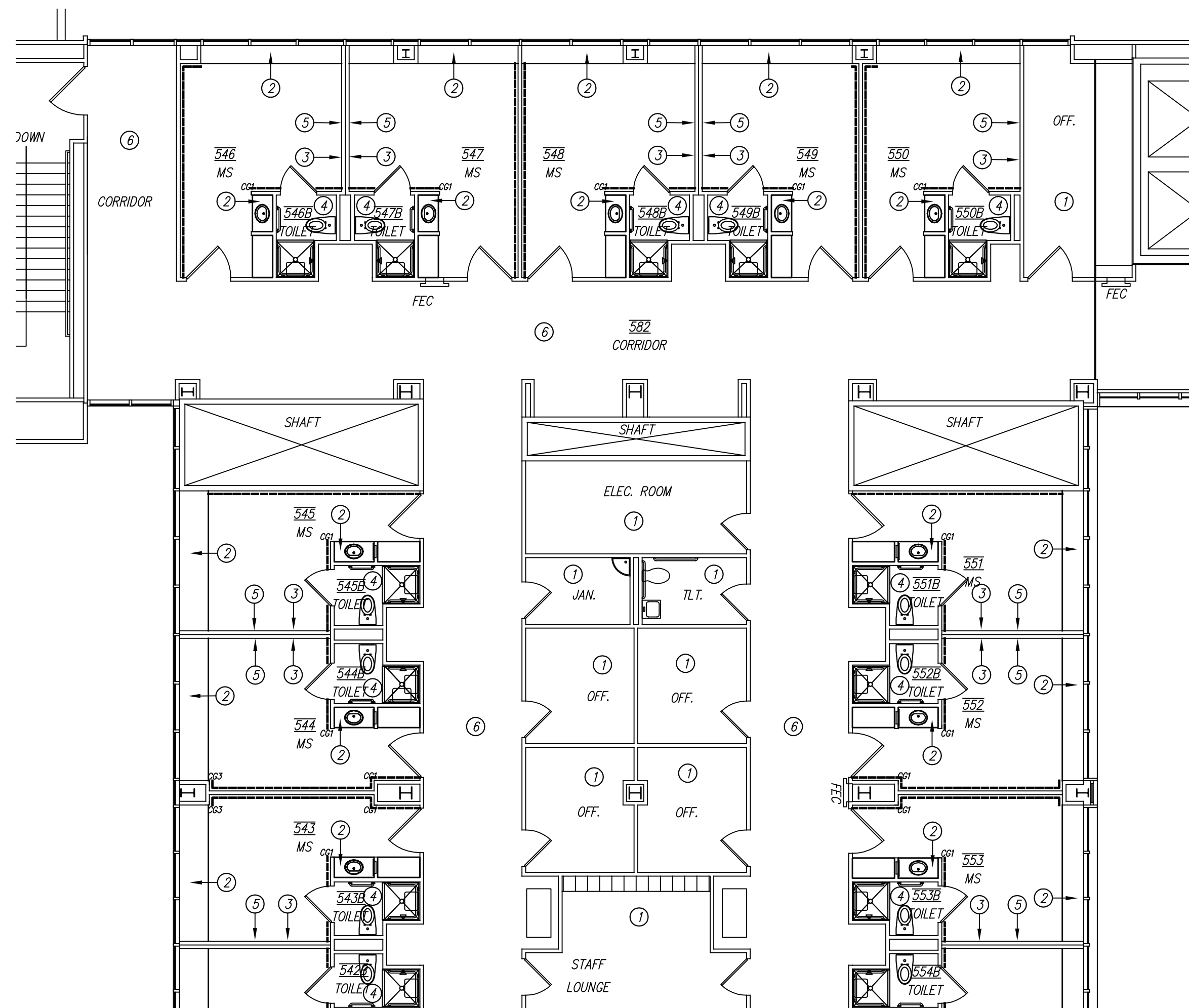
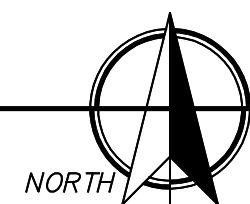
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ID2

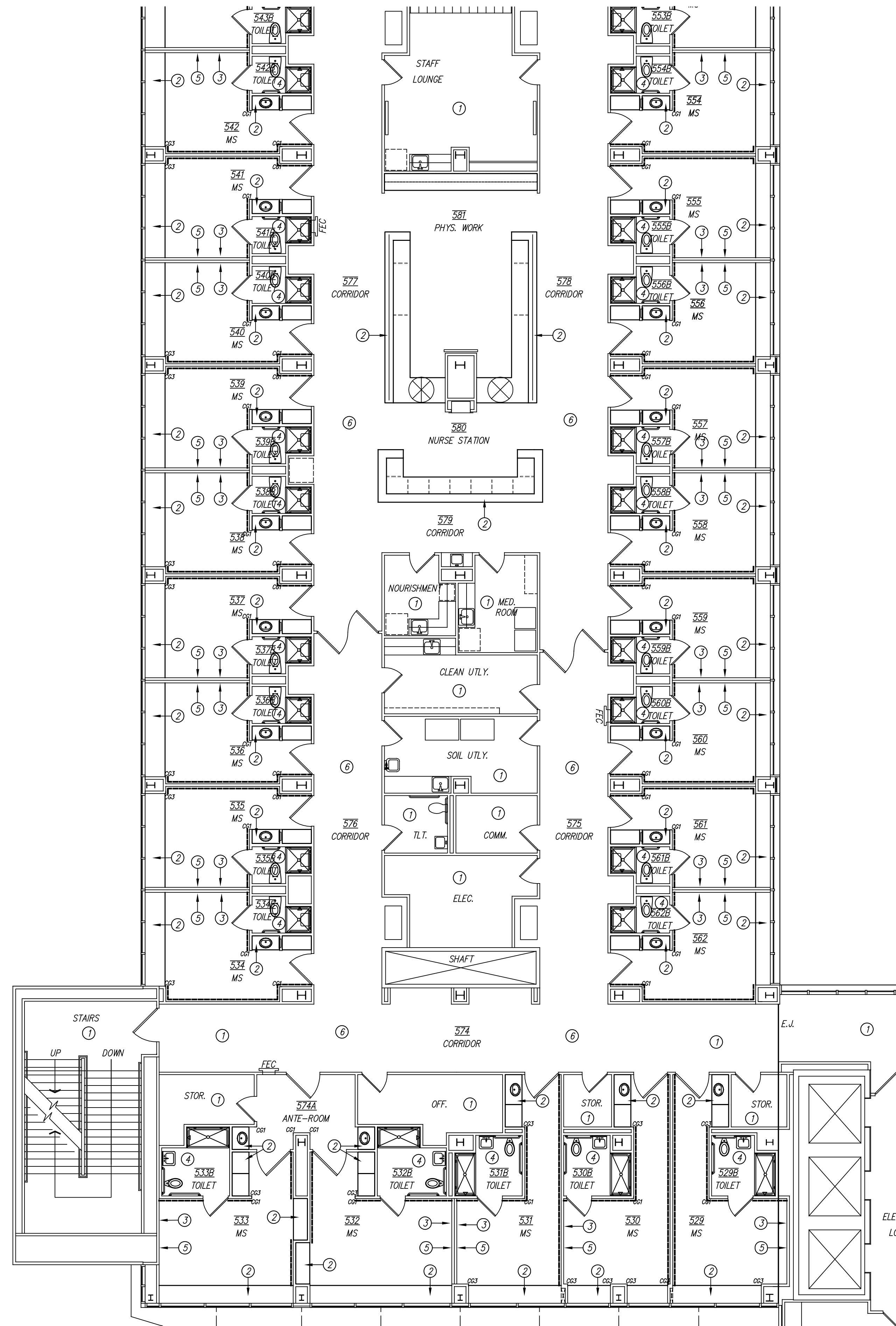
2 OF 4



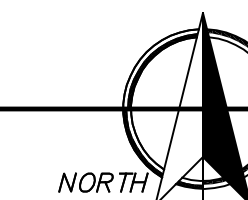
25/A3 FIFTH FLOOR-PARTIAL WALL FINISH PLAN-NORTH ELEVATOR LOBBY
SCALE: 1/8" = 1'-0"



28/ID3 FIFTH FLOOR-PARTIAL WALL FINISH PLAN-WEST
SCALE: 1/8" = 1'-0"



16/ID3 FIFTH FLOOR-PARTIAL WALL FINISH PLAN-WEST
SCALE: 1/8" = 1'-0"



GENERAL NOTES

- REFER TO THE PROJECT MANUAL AND FINISH SCHEDULE FOR ADDITIONAL INFORMATION. SHOULD THERE BE A DISCREPANCY BETWEEN THE DOCUMENTS, SUCH DISCREPANCY IS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE CONTRACTOR SHALL RECEIVE INSTRUCTION PRIOR TO INSTALLATION OR PERFORMANCE OF SAID WORK. WORK PERFORMED IN CONFLICT WITH THE DRAWINGS OR SCHEDULE SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
- ALL WORK IS TO BE PERFORMED ACCORDING TO MANUFACTURER'S RECOMMENDED METHODS.
- FIELD VERIFY ALL DIMENSIONS NEW OR EXISTING PRIOR TO CONSTRUCTION AND ADJUST WHERE REQUIRED TO PROVIDE A PROPER AND COMPLETE INSTALLATION. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WITH EXISTING OR NEW CONDITIONS.
- REPAIR EXISTING FLOORS SCHEDULED TO REMAIN AND REFINISH AS INDICATED.
- PROVIDE SMOOTH TRANSITION WHERE NEW CONSTRUCTION INTERSECTS WITH EXISTING CONDITIONS. IN ALL AREAS ADJACENT TO NEW CONSTRUCTION, REPAIR, REFINISH AND INSTALL NEW WALL, BASE, PAINT, ETC. WHERE NECESSARY TO AVOID PATCHES OR INCONSISTENT FINISHES.
- INCLUDE ALL TRIM, INSIDE/OUTSIDE CORNER, CONNECTOR, AND END CAP PIECES FOR COMPLETE INSTALLATION OF FINISHES.
- A PRE-INSTALLATION MEETING WITH THE ARCHITECT IS REQUIRED PRIOR TO THE INSTALLATION OF VINYL FLOORING PRODUCTS.
- INSTALL FLOORING TO WALL UNDER OPEN MILLWORK.
- INCLUDE TRANSITION STRIPS BETWEEN DIFFERENT FLOORING TYPES AS SCHEDULED.
- INSTALL NEW BASE AT NEW OR PARTIAL WALL CONSTRUCTION. PROVIDE SMOOTH TRANSITION BY RETURNING BASE TO CORNER.
- REMOVE/REPAIR ANY ABANDONED WALL ANCHORS OR HOLES FOR NEW FINISH.
- PATCH BACH AND REPAIR ALL WALLS, CEILING AND FLOORS WHERE DAMAGED DUE TO FIXTURE OR DEVICE REMOVAL/RELOCATION. MATCH MATERIAL OR EXISTING SURROUNDING CONDITIONS.
- ALL SHOWERS TO BE PREPPED AS FOLLOWS FOR SOLID SURFACE MATERIAL INSTALLATION:
 - REMOVE FLOOR AND ALL FINISHES IN THEIR ENTIRETY.
 - REMOVE GYPSUM BOARD 2'-0" A.F.F. FOR RECEPTOR INSTALLATION.
 - REPLACE WITH NEW GYPSUM BOARD AS SPECIFIED AFTERWARDS.

KEYED NOTES

- DESIGNATED BY: ⑦
- NO WORK IN THIS AREA.
 - SSM1 TO BE INSTALLED IN THIS AREA AT ALL HORIZONTAL COUNTERS.
 - HEAD WALL TO BE PAINTED P4.
 - WALL ABOVE TILE TO BE PAINTED P4.
 - INSTALL BR1 AT THIS LOCATION. REFER TO 13/A10.
 - PATCH, REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION WORK.

WALL FINISH LEGEND

001"	CORNER GUARD 1
002"	CORNER GUARD 2
003"	CORNER GUARD 3
WP1	(REFER TO FINISH SCHEDULE)

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REGISTERED INTERIOR DESIGNER
NO. G. SALVENDY
11041
STATE OF TEXAS
09-20-2019

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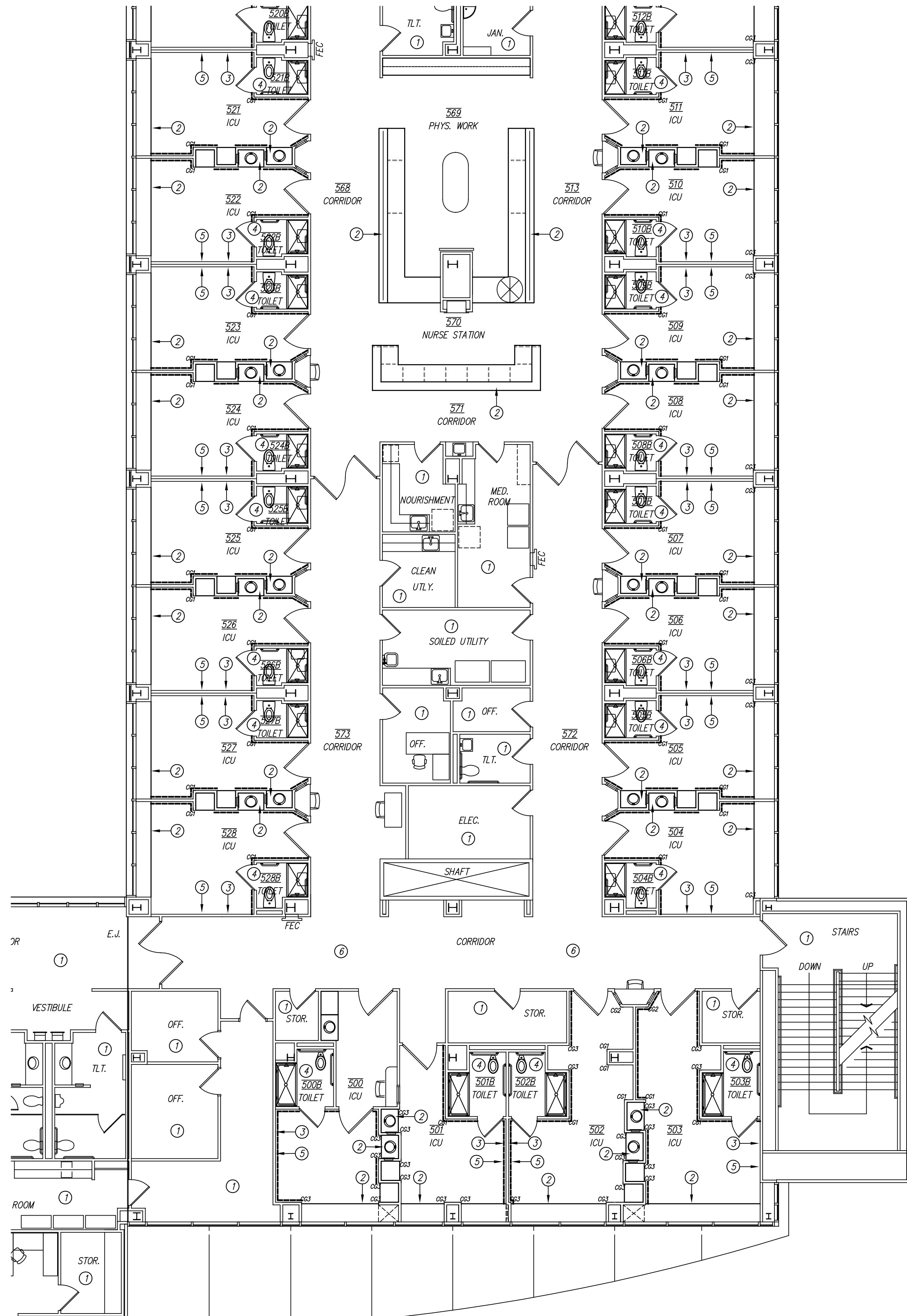
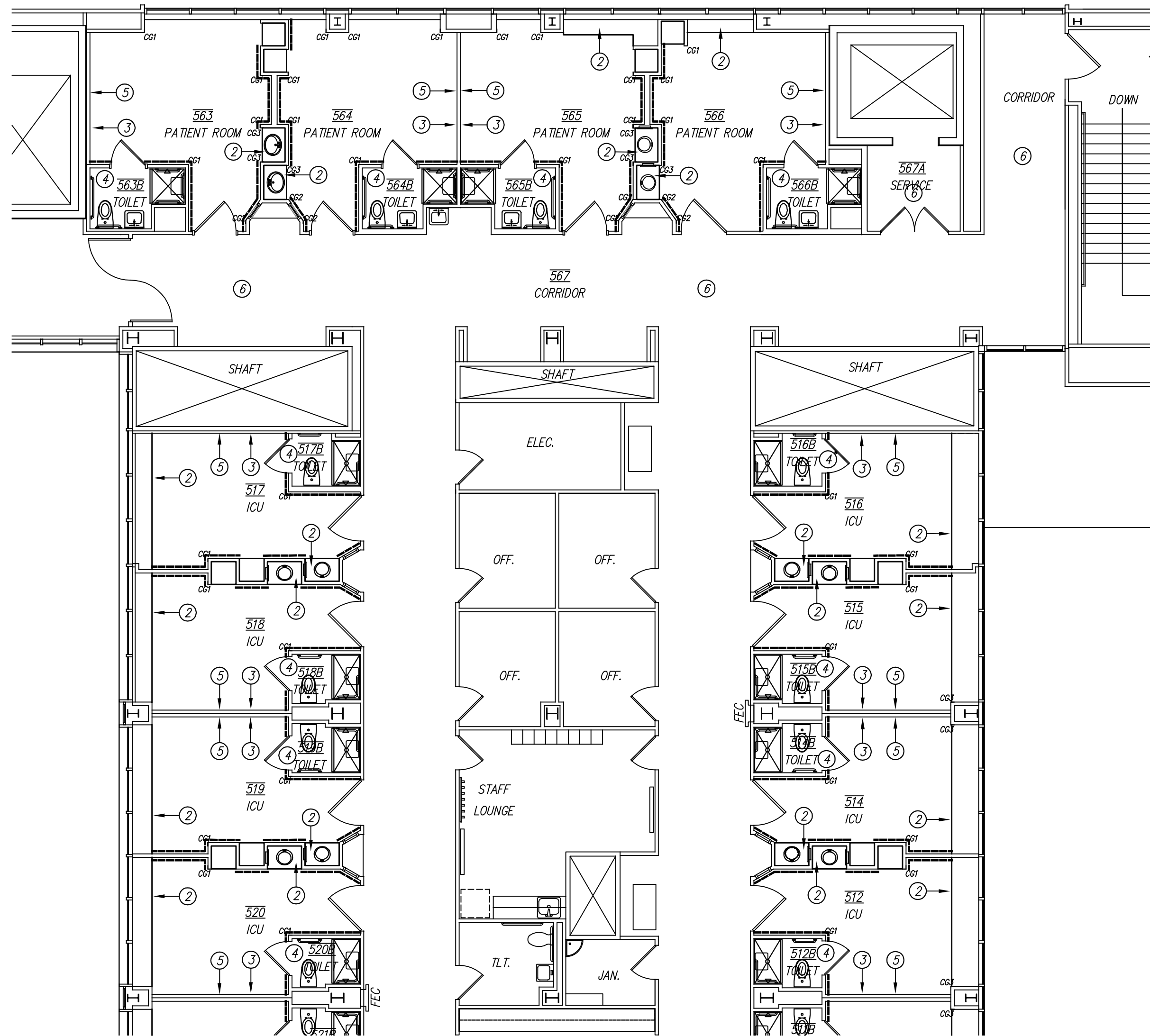
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PROJECT NO. 21823
DATE: 09/20/2019

SHEET NO.
ID3

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GENERAL NOTES

- REFER TO THE PROJECT MANUAL AND FINISH SCHEDULE FOR ADDITIONAL INFORMATION. SHOULD THERE BE A DISCREPANCY BETWEEN THE DOCUMENTS, SUCH DISCREPANCY IS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE CONTRACTOR SHALL RECEIVE INSTRUCTION PRIOR TO INSTALLATION OR PERFORMANCE OF SAID WORK. WORK PERFORMED IN CONFLICT WITH THE DRAWINGS OR SCHEDULE SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
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- A PRE-INSTALLATION MEETING WITH THE ARCHITECT IS REQUIRED PRIOR TO THE INSTALLATION OF VINYL FLOORING PRODUCTS.
- INSTALL FLOORING TO WALL UNDER OPEN MILLWORK.
- INCLUDE TRANSITION STRIPS BETWEEN DIFFERENT FLOORING TYPES AS SCHEDULED.
- INSTALL NEW BASE AT NEW OR PARTIAL WALL CONSTRUCTION. PROVIDE SMOOTH TRANSITION BY RETURNING BASE TO CORNER.
- REMOVE/REPAIR ANY ABANDONED WALL ANCHORS OR HOLES FOR NEW FINISH.
- PATCH BACH AND REPAIR ALL WALLS, CEILING AND FLOORS WHERE DAMAGED DUE TO FIXTURE OR DEVICE REMOVAL/RELOCATION. MATCH MATERIAL OR EXISTING SURROUNDING CONDITIONS.
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 - REPLACE WITH NEW GYPSUM BOARD AS SPECIFIED AFTERWARDS.

KEYED NOTES

- DESIGNATED BY:
- NO WORK IN THIS AREA.
 - SSM1 TO BE INSTALLED IN THIS AREA AT ALL HORIZONTAL COUNTERS.
 - HEAD WALL TO BE PAINTED P4.
 - WALL ABOVE TILE TO BE PAINTED P4.
 - INSTALL BR1 AT THIS LOCATION. REFER TO 13/A10.
 - PATCH, REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION WORK.

WALL FINISH LEGEND

	CORNER GUARD 1
	CORNER GUARD 2
	CORNER GUARD 3
	WP1 (REFER TO FINISH SCHEDULE)

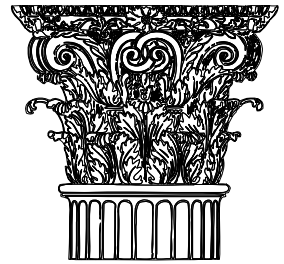
28/ID4 FIFTH FLOOR-PARTIAL WALL FINISH PLAN-EAST
SCALE: 1/8" = 1'-0"



16/ID4 FIFTH FLOOR-PARTIAL WALL FINISH PLAN-EAST
SCALE: 1/8" = 1'-0"

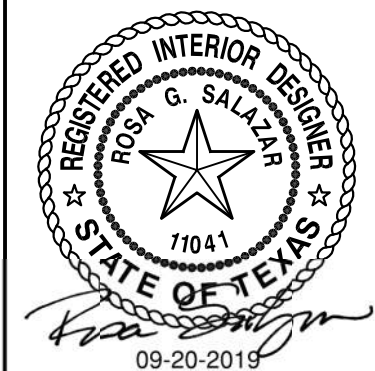


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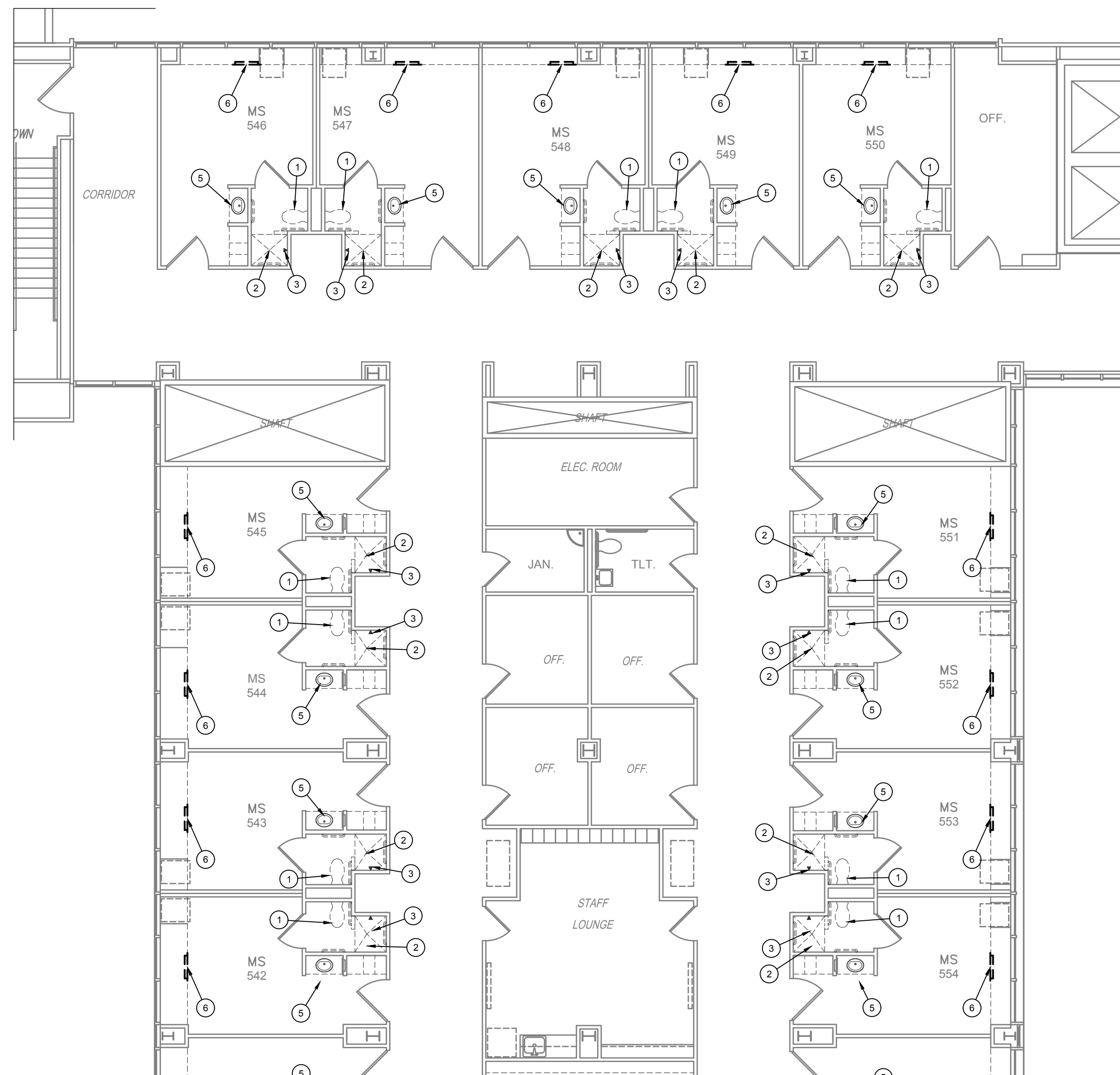
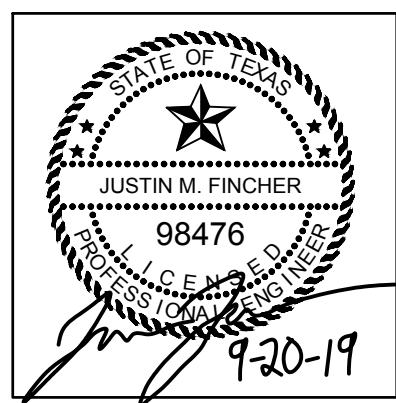
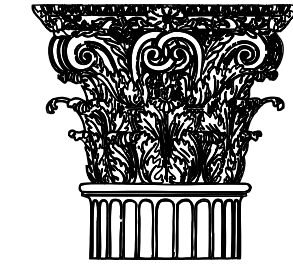
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PROJECT NO. 21823
DATE: 09/20/2019

SHEET NO.

ID4

4 OF 4



1/MP1 FIFTH FLOOR PLAN - WEST - PLUMBING DEMOLITION

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

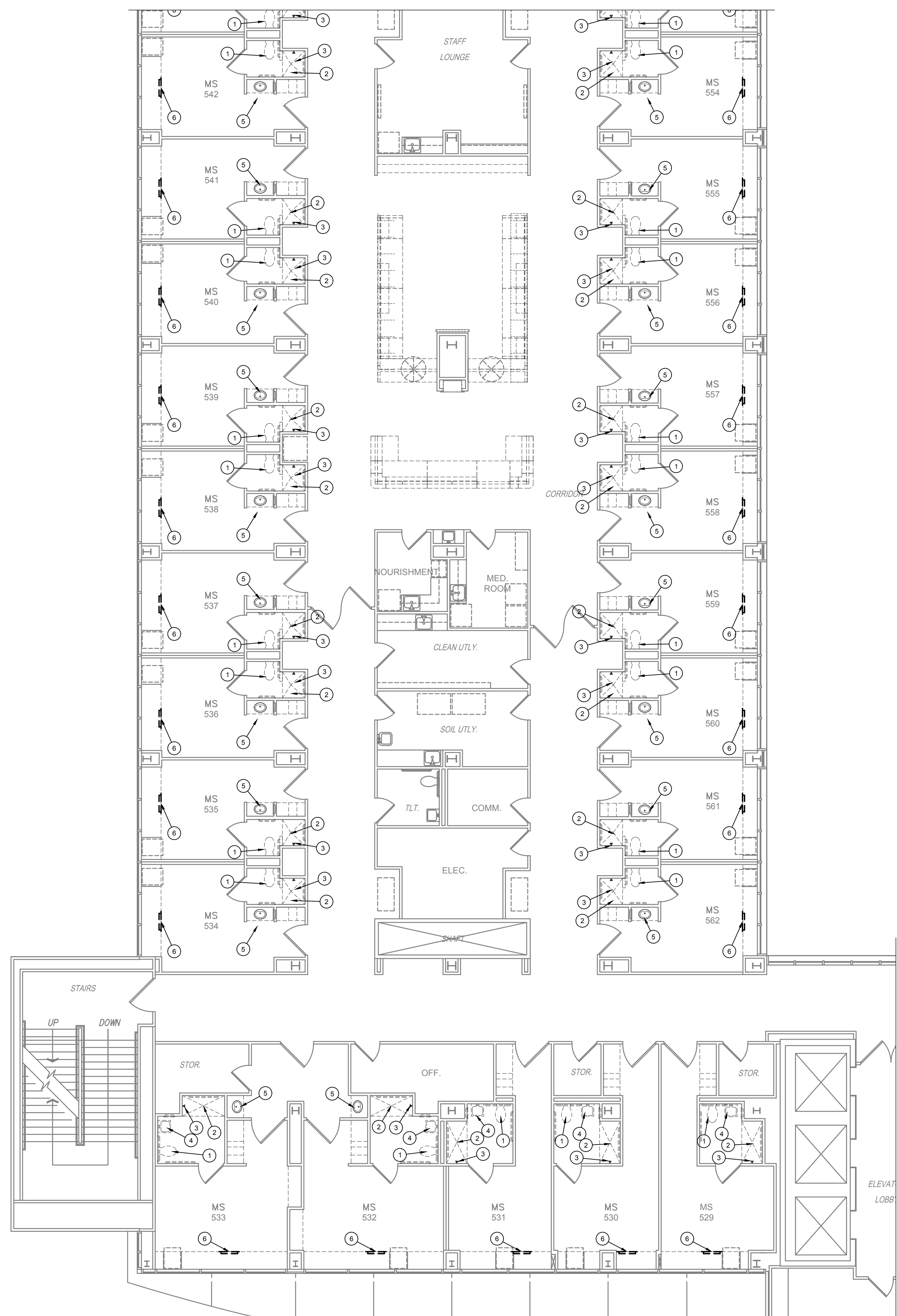


GENERAL NOTES

- CONTRACTOR SHALL TAKE CARE TO PROTECT ALL EXISTING OPERATIONAL SYSTEMS. ANY EXISTING SYSTEMS THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- VERIFY EXACT LOCATION OF ALL EXISTING UTILITIES, PLUMBING FIXTURES, AND PIPING AT THE JOBSITE. CONTRACTOR SHALL VERIFY EXACT PLUMBING SYSTEMS PRIOR TO BID. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL UTILITIES PRIOR TO BID.
- CONTRACTOR SHALL COORDINATE ALL PLUMBING DISCONNECTIONS AND INTERRUPTIONS WITH BUILDING OWNER. VERIFY EXACT SCHEDULE WITH ARCHITECT AND OWNER.
- MOUNTING HEIGHT OF ALL PLUMBING FIXTURES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION.

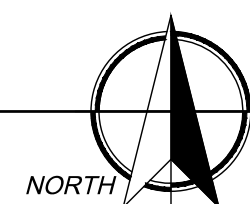
KEYED NOTES

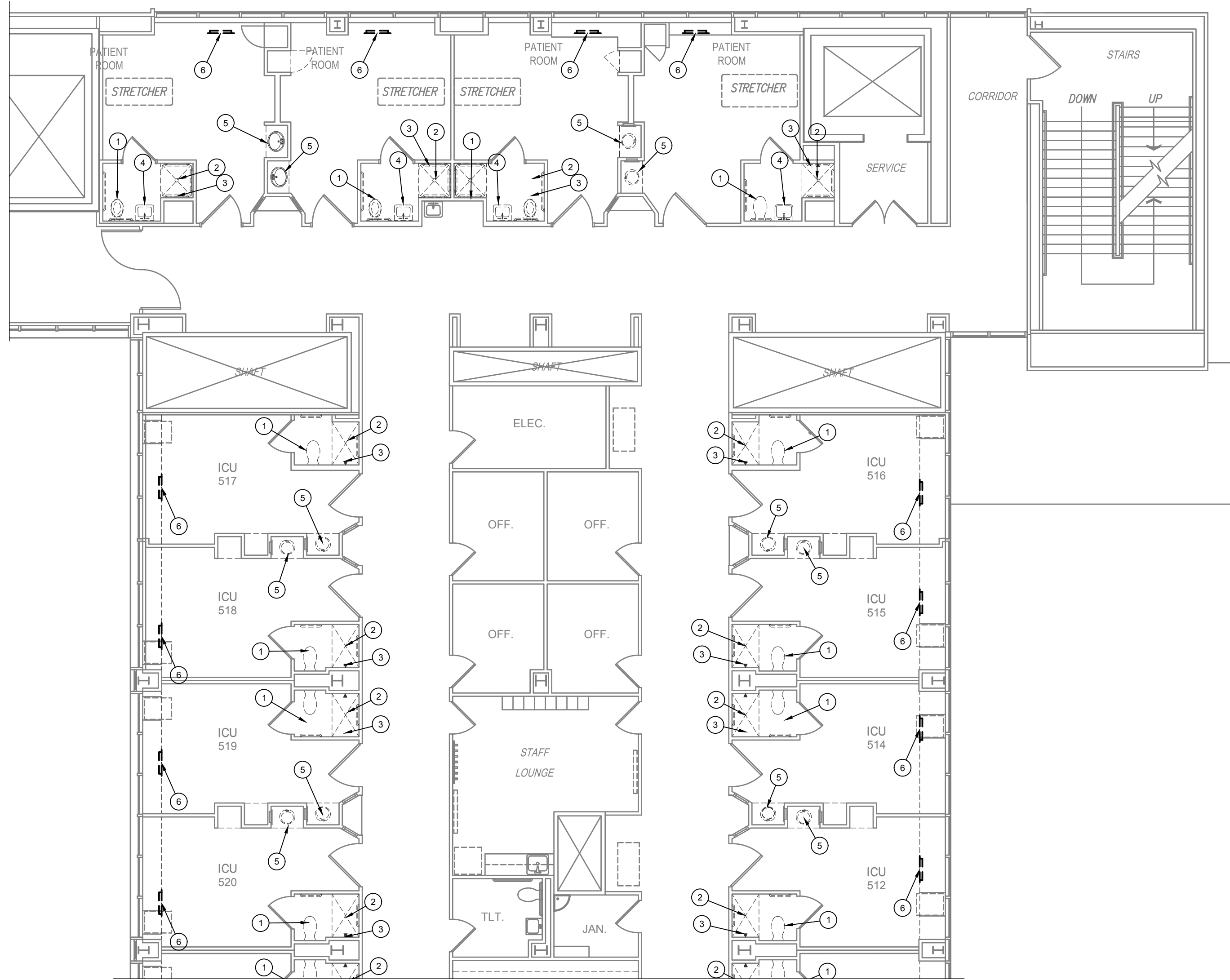
- REMOVE EXISTING WATER CLOSET AND PREPARE TO BE RE-INSTALLED BACK ON EXISTING MODIFIED ROUGH-IN AS DESCRIBED ON NEW WORK SHEETS.
- REMOVE EXISTING SHOWER DRAIN AND MODIFY DRAIN LINE AS REQUIRED TO CONNECT TO NEW SHOWER RECEPTOR DRAIN.
- REMOVE EXISTING SHOWER HEAD AND VALVE AND ALL WALL COMPONENTS AND MODIFY ROUGH-IN AS REQUIRED TO SERVE NEW SHOWER HEAD AND VALVE.
- REMOVE EXISTING WALL HUNG LAVATORY AND PREPARE TO BE RE-INSTALLED BACK ON EXISTING MODIFIED ROUGH-IN AS DESCRIBED ON NEW WORK SHEETS.
- REMOVE EXISTING COUNTER LAVATORY AND MODIFY EXISTING ROUGH-IN AS REQUIRED TO ACCEPT NEW FIXTURE AND TRIM AS DESCRIBED ON NEW WORK SHEETS.
- REMOVE EXISTING SIDE-WALL RETURN GRILLE IN WINDOW SILL MILLWORK. MODIFY DUCTWORK AS REQUIRED TO CONNECT TO NEW RETURN DUCT AND GRILLE AS SHOWN ON NEW WORK SHEETS.



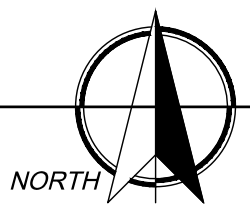
2/MP1 FIFTH FLOOR PLAN - WEST - PLUMBING DEMOLITION

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

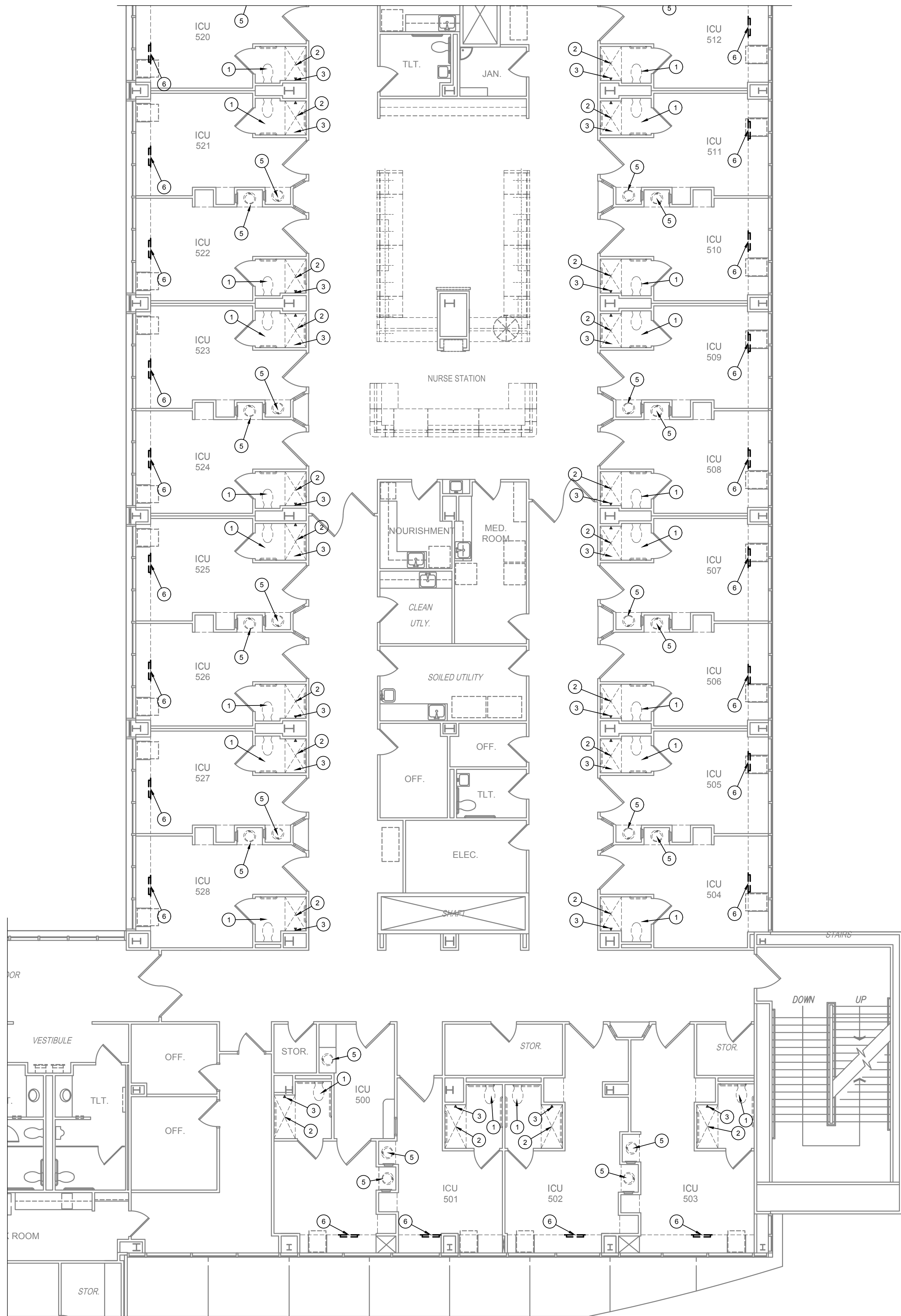




1/MP2 FIFTH FLOOR PLAN - EAST - PLUMBING DEMOLITION
SCALE: 1/8" = 1'-0"

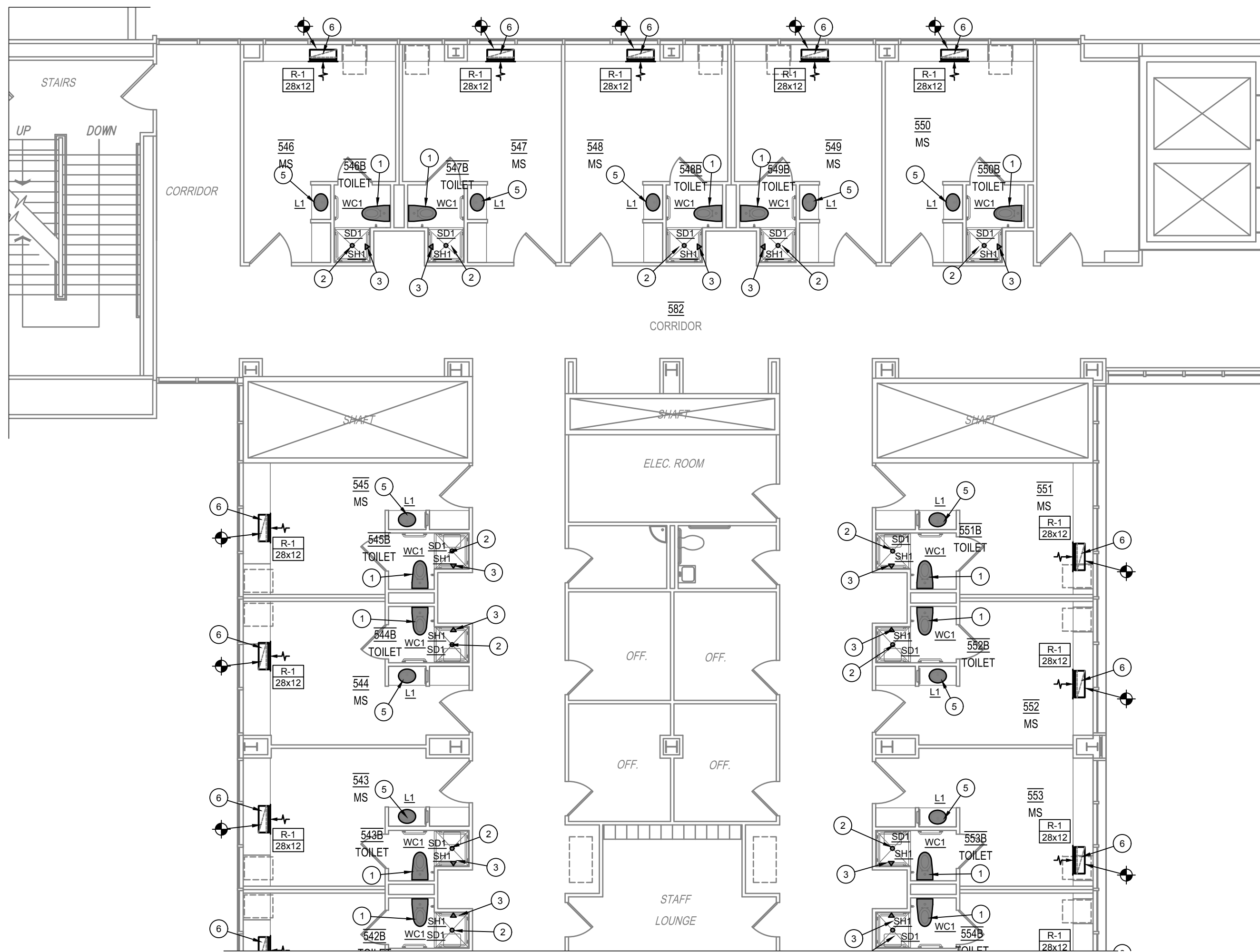


GENERAL NOTES	
A.	CONTRACTOR SHALL TAKE CARE TO PROTECT ALL EXISTING OPERATIONAL SYSTEMS. ANY EXISTING SYSTEMS THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR.
B.	VERIFY EXACT LOCATION OF ALL EXISTING UTILITIES, PLUMBING FIXTURES, AND PIPING AT THE JOBSITE. CONTRACTOR SHALL VERIFY EXACT PLUMBING SYSTEMS PRIOR TO BID. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL UTILITIES PRIOR TO BID.
C.	CONTRACTOR SHALL COORDINATE ALL PLUMBING DISCONNECTIONS AND INTERRUPTIONS WITH BUILDING OWNER. VERIFY EXACT SCHEDULE WITH ARCHITECT AND OWNER.
D.	MOUNTING HEIGHT OF ALL PLUMBING FIXTURES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION.
KEYED NOTES	
1.	REMOVE EXISTING WATER CLOSET AND PREPARE TO BE RE-INSTALLED BACK ON EXISTING MODIFIED ROUGH-IN AS DESCRIBED ON NEW WORK SHEETS.
2.	REMOVE EXISTING SHOWER DRAIN AND MODIFY DRAIN LINE AS REQUIRED TO CONNECT TO NEW SHOWER RECEPTOR DRAIN.
3.	REMOVE EXISTING SHOWER HEAD AND VALVE AND ALL WALL COMPONENTS AND MODIFY ROUGH-IN AS REQUIRED TO SERVE NEW SHOWER HEAD AND VALVE.
4.	REMOVE EXISTING WALL HUNG LAVATORY AND PREPARE TO BE RE-INSTALLED BACK ON EXISTING MODIFIED ROUGH-IN AS DESCRIBED ON NEW WORK SHEETS.
5.	REMOVE EXISTING COUNTER LAVATORY AND MODIFY EXISTING ROUGH-IN AS REQUIRED TO ACCEPT NEW FIXTURE AND TRIM AS DESCRIBED ON NEW WORK SHEETS.
6.	REMOVE EXISTING SIDE-WALL RETURN GRILLE IN WINDOW SILL MILLWORK. MODIFY DUCTWORK AS REQUIRED TO CONNECT TO NEW RETURN DUCT AND GRILLE AS SHOWN ON NEW WORK SHEETS.



2/MP2 FIFTH FLOOR PLAN - EAST - PLUMBING DEMOLITION
SCALE: 1/8" = 1'-0"

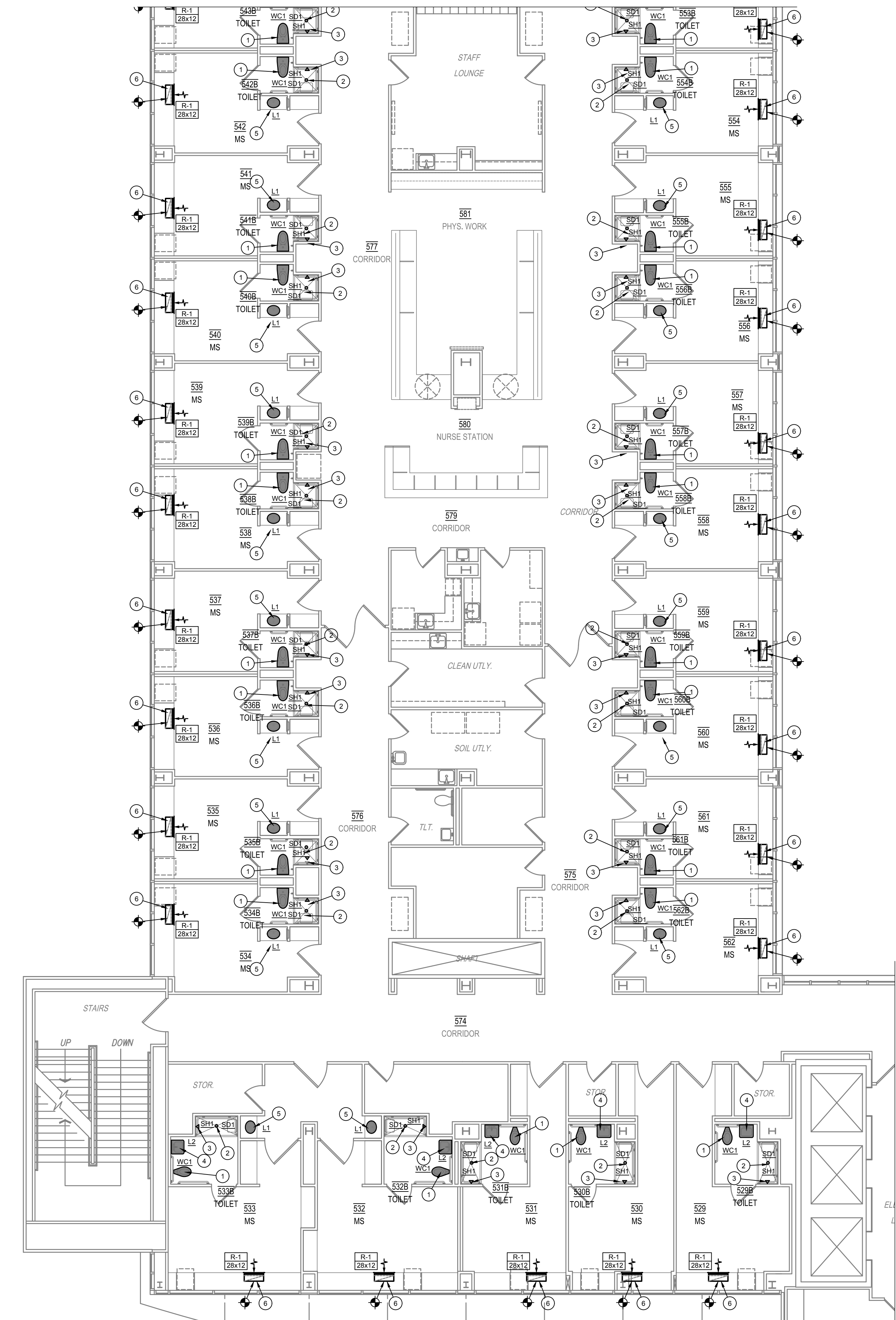




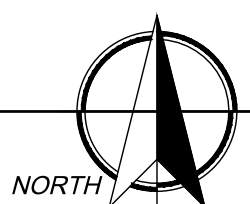
1/MP3 FIFTH FLOOR PLAN - WEST - PLUMBING
SCALE: 1/8" = 1'-0"

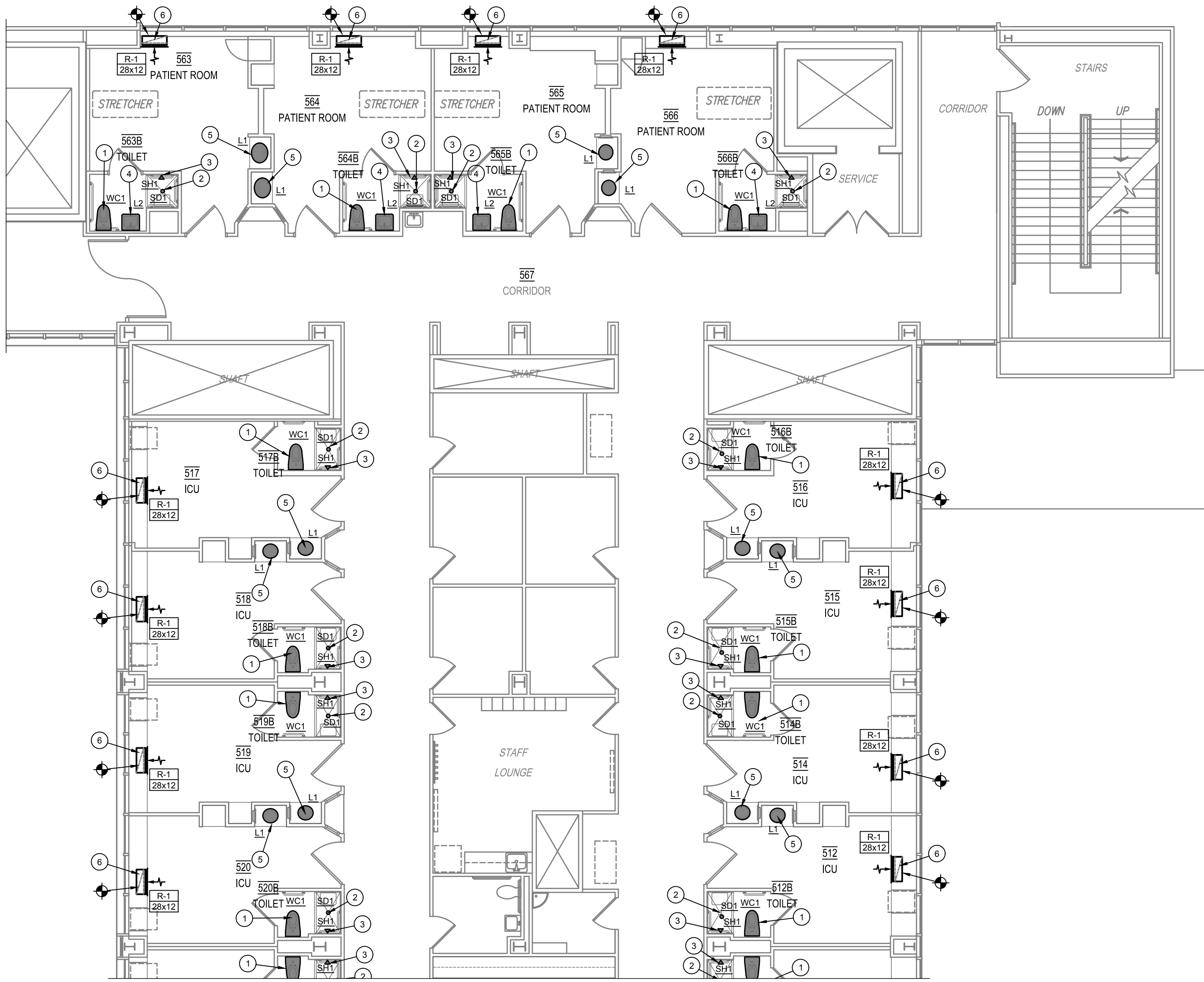


GENERAL NOTES	
A.	CONTRACTOR SHALL TAKE CARE TO PROTECT ALL EXISTING OPERATIONAL SYSTEMS. ANY EXISTING SYSTEMS THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR.
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C.	CONTRACTOR SHALL COORDINATE ALL PLUMBING DISCONNECTIONS AND INTERRUPTIONS WITH BUILDING OWNER. VERIFY EXACT SCHEDULE WITH ARCHITECT AND OWNER.
D.	MOUNTING HEIGHT OF ALL PLUMBING FIXTURES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION.
KEYED NOTES	
1.	INSTALL EXISTING WATER CLOSET FIXTURE WITH NEW FLUSH VALVE BACK ON EXISTING ROUGH-IN THAT HAS BEEN MODIFIED AS REQUIRED TO ACCEPT FIXTURE.
2.	NEW SHOWER RECEPTOR WITH INTEGRAL DRAIN TO BE INSTALLED IN FLOOR AND CONNECTED BACK TO EXISTING WASTE LINE AS REQUIRED. MODIFY EXISTING WASTE ROUGH-IN AS REQUIRED TO ACCEPT NEW RECEPTOR DRAIN.
3.	NEW SHOWER HEAD AND VALVE TO BE INSTALLED ON EXISTING MODIFIED ROUGH-IN.
4.	INSTALL EXISTING WALL HUNG LAVATORY FIXTURE WITH NEW SCHEDULED TRIM AND FAUCET BACK ON EXISTING ROUGH-IN THAT HAS BEEN MODIFIED AS REQUIRED TO ACCEPT FIXTURE.
5.	NEW LAVATORY THAT IS INTEGRAL WITH SOLID SURFACE COUNTER TOP. INSTALL NEW TRIM AND FAUCET ON EXISTING ROUGH-IN THAT HAS BEEN MODIFIED AS REQUIRED TO ACCEPT NEW FIXTURE.
6.	CONNECT NEW 28x12 RA DUCT TO EXISTING MAIN RETURN DUCT BELOW SLAB IN CEILING SPACE OF LEVEL 4. EXTEND DUCT UP TO SIDEWALL GRILLE MOUNTED AT 8" FROM FINISHED FLOOR TO BOTTOM OF GRILLE. CLEAN ANY EXISTING DUCTWORK WITHIN WINDOW SILL BACK TO EXISTING MAIN.



2/MP3 FIFTH FLOOR PLAN - WEST - PLUMBING
SCALE: 1/8" = 1'-0"

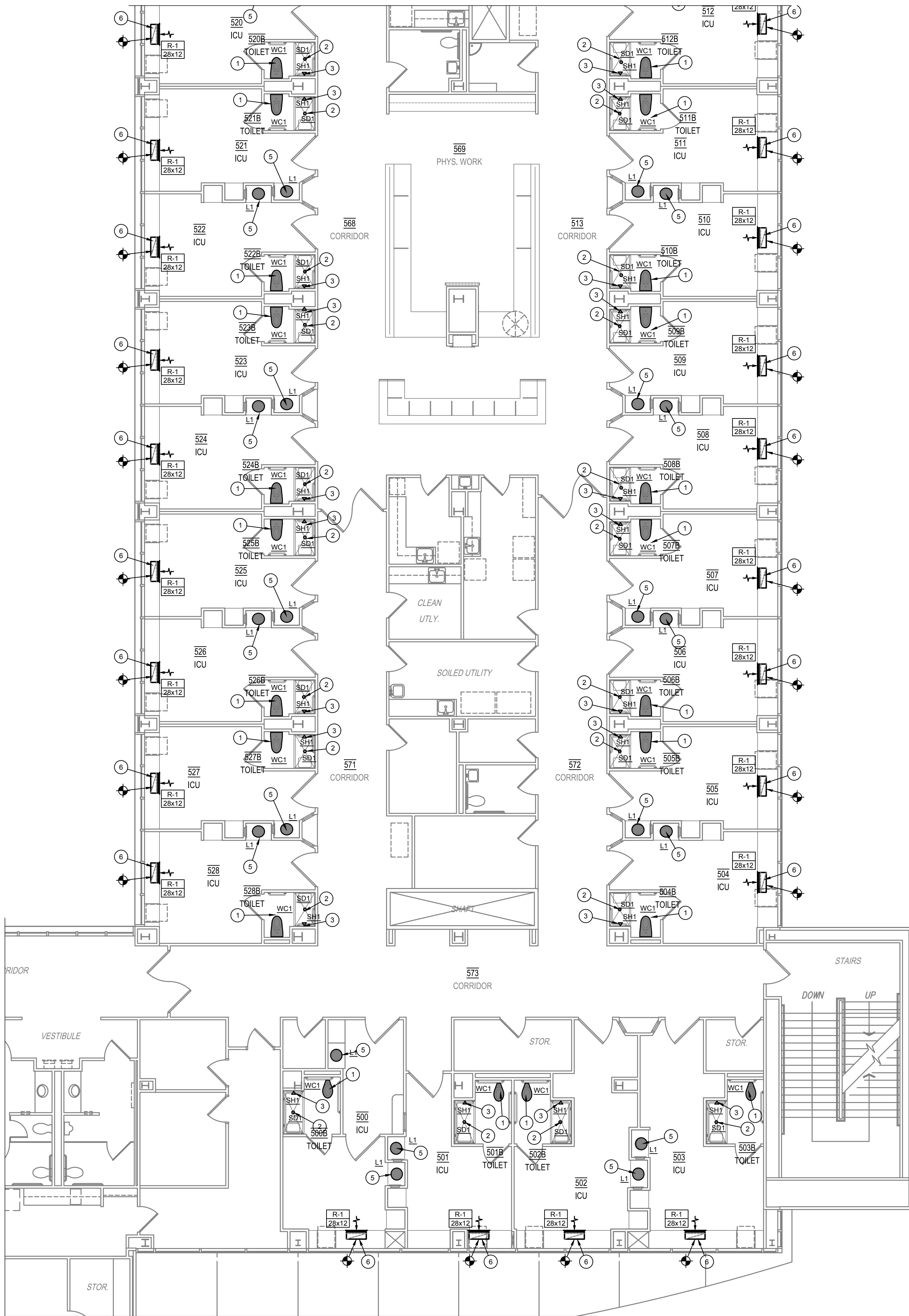




1/MP4 FIFTH FLOOR PLAN - EAST - PLUMBING

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

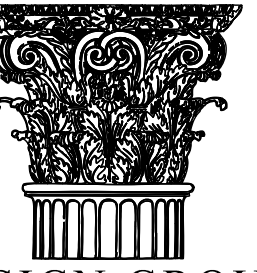
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2.	NEW SHOWER RECEPTOR WITH INTEGRAL DRAIN TO BE INSTALLED IN FLOOR AND CONNECTED BACK TO EXISTING WASTE LINE AS REQUIRED. MODIFY EXISTING WASTE ROUGH-IN AS REQUIRED TO ACCEPT NEW RECEPTOR DRAIN.
3.	NEW SHOWER HEAD AND VALVE TO BE INSTALLED ON EXISTING MODIFIED ROUGH-IN.
4.	INSTALL EXISTING WALL HUNG LAVATORY FIXTURE WITH NEW SCHEDULED TRIM AND FAUCET BACK ON EXISTING ROUGH-IN THAT HAS BEEN MODIFIED AS REQUIRED TO ACCEPT FIXTURE.
5.	NEW LAVATORY THAT IS INTEGRAL WITH SOLID SURFACE COUNTER TOP. INSTALL NEW TRIM AND FAUCET ON EXISTING ROUGH-IN THAT HAS BEEN MODIFIED AS REQUIRED TO ACCEPT NEW FIXTURE.
6.	CONNECT NEW 28x12 RA DUCT TO EXISTING MAIN RETURN DUCT BELOW SLAB IN CEILING SPACE OF LEVEL 4. EXTEND DUCT UP TO SIDEWALL GRILLE MOUNTED AT 8" FROM FINISHED FLOOR TO BOTTOM OF GRILLE. CLEAN ANY EXISTING DUCTWORK WITHIN WINDOW SILL BACK TO EXISTING MAIN.



2/MP4 FIFTH FLOOR PLAN - EAST - PLUMBING

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

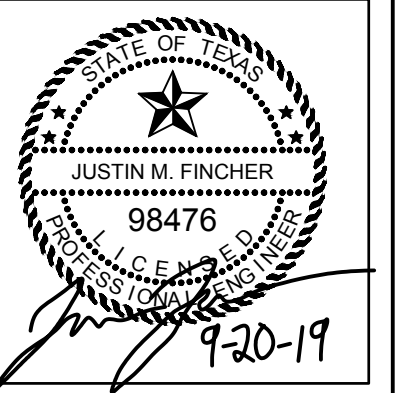
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PROJECT NO. 21823
DATE: 09/20/2019

SHEET NO.

MP4

4 OF 5

MECHANICAL SPECIFICATIONS	
I. GENERAL	
A. NOTE:	1. Conform with the applicable provisions of the General Conditions, the Special Conditions and the General Requirements.
B. SUBMITTALS:	1. Submit manufacturer's data and shop drawings on all materials.
C. SCOPE:	1. This section of the specifications pertains to all labor, materials, equipment and service necessary for and incidental to the heating, ventilating and air conditioning system as shown on the drawings and/or as specified herein. 2. All appurtenances and auxiliary equipment necessary to the function of any specified item of equipment shall be furnished with the item of equipment, whether specifically mentioned or not. Each item of equipment shall perform the function for which it is intended, and all work necessary to provide a complete functional system shall be provided. 3. This specification requires that all items of equipment be completely installed, finally connected, tested and placed in service. 4. It shall be the responsibility of the Contractor to verify all requirements of the equipment and the contract and certify with the submittal of the shop drawings that all requirements have been met, including: a) Space requirements b) Electrical requirements (voltage, phase, wires - No. and size) c) Capacities d) Clearance for maintenance e) Quantity f) Quantity
II. PRODUCTS	
A. METAL DUCTWORK:	1. Except as otherwise specified herein, in other sections of the specifications, and/or noted on the drawings, low pressure ducts shall be constructed of galvanized steel sheets in accordance with the recommended construction for low pressure ductwork insofar as gauges of metal to be used, bracing of joints and joint construction as established in HVAC DUCT CONSTRUCTION STANDARDS, First Edition, as published by Sheetmetal and Air Conditioning Contractors National Association, Inc. (SMACNA). 2. Unless indicated otherwise, all duct shall be constructed in conformance with 1" w.g. pressure class except duct upstream of terminal devices in variable air volume systems shall be in conformance with 2" w.g. pressure class. 3. Make square elbows where shown or required, with factory-fabricated turning vanes. Make all other changes in direction with rounded elbows having a centerline radius equal to 1-1/2 times the width of the duct in the plane of the bend. 4. Make transformations in duct shape or dimension with gradual slopes on all sides. Make increases in dimensions in the direction of air flow, with a maximum slope of 1" in 7" on any side. Make decreases in dimensions in the direction of air flow preferably with a slope of 1" in 7" on any side, but with a maximum slope of 1" in 4" where conditions necessitate. 5. Ducts shall be routed in conjunction with pipes, electrical conduits, ceiling hangers, etc. so as to avoid interferences insofar as possible. Where duct penetrations are unavoidable, provide streamline shaped sleeves around such material penetrations, made airtight at duct surfaces, except that such sleeves are not required at tie rods. Where obstructions are of a size to exceed 10% of the duct area, the duct shall be transformed to maintain the same duct area. 6. Transverse duct joints 36" and larger shall be made with The Ductmate System or an approved equal. The Ductmate System components shall be of standard catalogue manufacture as supplied by Ductmate Industries, Inc. 7. The installation of The Ductmate System shall be in accordance with the manufacturers printed instruction and installation manuals. 8. The standard Ductmate 35 System joint is the equivalent of a SMACNA "J" connection. The Ductmate 25 System joint is the equivalent of a SMACNA "F" connection. Construction of the duct, such as gauge, reinforcing, etc., shall be as indicated in the addendum to the SMACNA manuals as provided by the manufacturer and as tested by Pittsburgh Testing Laboratory.
B. DUCT WRAP:	1. Insulate the supply, return and fresh air ducts with 2-1/5" thick, 3/4 lb. density, installed R-Value of 6.0, Owens-Corning "All Service Wrap" glass fiber flexible insulation having a factory applied FSKL vapor barrier jacket. This insulation shall be secured, vapor barrier side out, to sheet metal. On horizontal runs, lap top and bottom sheets over edges of side pieces. But joints tightly. Ducts handling warm air only need not be vapor sealed. On ducts 24" and wider, install clips on bottom of duct, maximum of 18" O.C., to prevent insulation from sagging
C. DUCT SEALER:	1. All ductwork shall be sealed to provide airtight construction. Metal surfaces to be joined shall be clean, dry and free of dirt or grease. Apply a heavy coat of Kingco Seal-Rite 18-120 to the interior metal surface of the slip joint, then interlock into place metal duct sections. Apply a heavy coat of 18-120 to the exterior metal surface duct joint, making sure any voids are filled to secure a continuous air pressure sealant. 2. Allow sealant to dry a minimum of 48 hours before pressurizing system. 3. Ductmate PROseal or Hardcoat will be considered equal.
D. AIR DISTRIBUTION DEVICES:	1. Furnish and install all grilles, registers, and diffusers for every purpose. Refer to the tabulation on the drawings for types, sizes and accessories. 2. All grilles, registers, and diffusers located in the ceiling shall be factory finished in OFF-WHITE. Door grilles shall be factory finished in baked enamel medium birch tan. All other grilles and registers shall be factory primed and spray painted 2 coats on the job. 3. All grilles and registers shall be installed with tamperproof screws and shall be secured to the duct with a minimum of four screws. 4. Where perforated supply grilles or diffusers are scheduled, they shall be of the type with adjustable curved blades in the neck of the diffusers. Other types are not acceptable. 5. Where ceiling mounted air distribution devices are shown and require a ceiling radiation damper, the grille or diffuser shall be constructed of steel, aluminum is not acceptable. 6. Air distribution devices as manufactured by Titus, Metal-Aire, or Krueger will be acceptable.

PLUMBING SPECIFICATIONS	
I. GENERAL	
A. NOTE:	1. Conform with applicable provisions of the General Conditions, Special Conditions, General Requirements, and Supplemental Conditions.
B. SUBMITTALS:	1. Submit manufacturer's data on all materials.
C. SCOPE:	1. This section of the specifications requires the furnishing and installation of all equipment, labor, materials, transportation, tools and appliances and in performing all operations in connection with the installation of the plumbing systems.
II. PRODUCTS	
A. MATERIALS:	1. Sanitary Soil, Waste and Drain Lines: Except as otherwise specified or noted on the drawings, shall be bell and spigot, service weight cast iron soil pipe and fittings, each heavily coated at the factory with asphalts or coal tar pitch and each having the manufacturer's mark or name and the date of manufacture cast on it. Type "L" copper in sizes up to 2" may be used where space is restricted. C.I. joints may be caulked or push-on. Above grade, no-hub may be used. 2. Sanitary Fixture Waste Arms: Fixtures served by sanitary soil waste and drain lines shall be connected using cast iron pipe and fittings, red brass pipe, Type L hard copper tubing with cast brass drainage fittings or lead. Use brass soldering nipples or females as required. 3. Sanitary Vent Lines: Vents in the sanitary system shall be service weight cast iron bell and spigot pipe and fittings for all lines 2" and larger and Type L copper for lines smaller than 2". C.I. joints may be caulked or push-on. Above grade, no-hub may be used. 4. Domestic Water Lines (Hot, Cold and Recirculating): All interior water lines shall be Type L hard drawn copper tubing. Copper tubing shall be assembled using solder-joint fittings.
B. HANGERS AND SUPPORTS:	1. Support all pipes as required by the plumbing code and as required to prevent sagging. PVC lines shall be supported at 4' intervals and other pipes shall be supported on 8' intervals as a minimum. Hangers shall be devise type with adjusters.
C. PLUMBING FIXTURES:	1. Refer to Plumbing Fixture Schedule on drawings. 2. All exposed trim shall be chrome plated brass. This includes faucets, fittings, stops, risers, strainers, tailpieces, traps, waste, escutcheons, flush valves, brackets, vacuum breakers, goosenecks, hole covers, bolts, nuts and etc. 3. All threaded supply fittings or outlets with tubing nozzles shall have back flow preventers. 4. All fixtures shall have quarter turn stop valves. 5. Generally all wall hung fixtures shall be provided with chair carriers so that no weight is supported from the wall. 6. All fixtures shall be cleaned before final acceptance. 7. Verify mounting height of each and every fixture before rough-in. 8. Where fixtures meet with walls or floor, the joint shall be grouted with dental plaster, G. E. Silicone or other grout as directed by the Architect. 9. The Contractor shall verify all rough in heights before installation and shall secure a current ruling on heights of handicapped fixtures before rough in to insure that they meet the requirements of the parties having jurisdiction. 10. Controls for water closet flush valves shall be mounted on the wide side of toilet areas. 11. All fixtures shall meet State of Texas water saving performance standards.
III. EXECUTION	
A. INSTALLATION OF PIPING SYSTEMS:	1. Drain lines and Sanitary waste: Grade down toward the sewer connection at a uniform slope of 1/4" per foot to serve individual fixtures or not less than 1/8" per foot to serve multiple stacks or outlets. Slope shall be greater where possible and shall never be less than required to produce a flow velocity of 2 feet per second. 2. Vents: Grade up to the vent through the roof. Terminate not less than 10" above the roof. 3. Water Lines: Grade to established low points and provide valved drains to completely drain the system.
B. FABRICATION OF PIPE JOINTS:	1. Cast Iron Pipes, Caulked Joints: Make joints in cast iron bell and spigot pipe by centering the spigot within the bell, packing the joint with oakum closely compacted, and then pouring the remaining space in the bell full of molten lead. When the lead has cooled, thoroughly caulk at least three times around the joint using caulking tools of the proper width. 2. No-Hub Joints: Install according to manufacturer's instructions. Rubber sleeve shall be neoprene. Clamps and bolts shall be stainless steel. 3. Push-On Pipe: The inside of the bell and the outside of the spigot shall be thoroughly cleaned to remove oil, grt, excess coating, and other foreign matter. The circular rubber gasket shall be flexed inward and inserted in the gasket recess of the bell socket. 4. A thin film of gasket lubricant shall be applied to either the inside surface of the gasket or the spigot end of the pipe or both. Gasket lubricant shall be as supplied by the pipe manufacturer and approved by the Architect. 5. The spigot end of the pipe shall be entered into the socket with care used to keep the joint from contacting the ground. The joint shall then be completed by forcing the plain end to the bottom of the socket with a forked tool or jack type tool or other device. Pipe that is not furnished with a depth mark shall be marked before assembly to assure that the spigot end is inserted to the full depth of the joint. Field cut pipe lengths shall be filed or ground to resemble the spigot end of such pipe as manufactured. Complete assembly instructions from the pipe manufacturer shall be followed. 6. Copper Tubing: Cut tubing square, ream and deburr. Clean insides of fittings and outsides of tubing with sand cloth before assembly. Exercise care to prevent annealing of fittings and hard drawn tubing. Make all joints with high temperature solid string or wire solder, 95% tin, 5% antimony, using non-corrosive paste flux of the proper type for all copper tubing. Low temperature solder such as 50/50 or 40/60 will not be permitted. 7. Solvent Weld Plastic Joints: Solvent welded according to manufacturers instructions.
C. REPAIR OF LEAKS:	1. All leaks in piping systems shall be corrected as follows: a) Repair leaks in solder joints by remaking the joint, no soldering or brazing over existing joints will be permitted. 2. When any defect is repaired, retest that section of the system.
D. INSULATION:	1. Any insulation which is not applied in a workmanlike manner will be rejected and replaced. All coverings shall be smooth, flush, dressed to line and tight. Mastic shall be neatly applied and tooled. Architect reserves the right to reject any insulation whose appearance he deems unacceptable. 2. Apply insulation and pipe covering after all work has been tested, found to be tight and accepted as such by the Architect. Thoroughly clean and dry all surface to be covered. 3. Factory-applied vapor-barrier jackets shall be one of the following: a) An All Service Jacket (ASJ) laminated of flame resistant white kraft paper, glass scrim reinforcement, and kraft paper. b) Foil Reinforced Kraft (FRK) Jacket laminated of flame resistant 0.001" aluminum foil, glass scrim reinforcement and kraft paper. 4. Insulate valves and fittings with two fiberglass inserts and preformed Manville "Zeston" covers with taped seams. 5. The following describes materials, thicknesses and finishes for insulation and coverings: 6. Domestic Cold Water, Hot Water and Circulating Lines: Insulate with 1" thick Owens-Corning Fiberglas ASJ/SSL-II molded sectional glass fiber pipe covering with an All Service jacket (ASJ). Insulate concealed valves and fittings with preformed "Zeston" PVC covers over fiberglass insulation. Insulate exposed valves and fittings with Hamfast insulation fittings.
E. TESTING:	1. Test all pipes before they are concealed in furrings or chases, insulated, painted, or otherwise covered up or rendered inaccessible. Accomplish testing by sections of lines or systems, as required by conditions during construction. Clean all piping and equipment before testing. 2. Domestic Water Lines Interior: Hydrostatically test for 6 hours at 150 psig. There shall be no leaks whatsoever. 3. Interior Soil, Waste and Vent Lines: Drainage and venting system piping shall be tested with water before the fixtures are installed. Water test shall be applied to the drainage and venting system either in its entirety or in sections. If the entire system is tested, all openings in the pipes shall be tightly closed except the highest opening and the system shall be filled with water to the point of overflow. If the system is tested in sections, each opening except the highest opening of the section under test shall be tightly plugged, and each section shall be filled with water and tested with at least a 10 foot head of water. The water shall be kept in the system, or in the portion under test, for at least 30 minutes before the inspection starts. The system shall then be tight at all joints. Water shall not
F. DISINFECTING:	1. After cleaning, flushing and testing, the Contractor shall furnish all labor, equipment and materials necessary for the disinfection of all domestic pipe lines which shall be disinfected by the application of a chlorinating agent. The chlorinating agent may be a liquid chlorine, liquid chlorine gas water mixture, or a calcium hypochlorite solution, which shall be fed into the lines through a suitable solution feed device. 2. The chlorinating agent shall be applied at or near the point from which the line is being filed and through a corporation stop or other approved connection inserted in the horizontal axis of the newly laid pipe. The water being used to fill the line shall be controlled to flow into the section to be disinfected very slowly. 3. The chlorine dose applied to the water entering the lines shall be at least 40 to 60 parts per million. The treated water shall be retained in the pipe lines for a period of not less than 24 hours. At the end of the 24 hour retention period the chlorine residual shall be at least 20 ppm. All treated water shall be thoroughly flushed from the lines until the replacement water in the lines has a chlorine residual of not more than 0.2 parts per million.

PLUMBING FIXTURE SCHEDULE						
MARK	FIXTURE SPECIFICATION	FIXTURE CONNECTIONS (RUNOUT LINE SIZES)				
		DCW	DHW	SAN	VENT	
WATER CLOSETS						
WC1	Fixture: Existing fixture to be removed and re-installed after new finishes installed. Contractor shall clean existing fixture before re-installing. All water closets shall be mounted such that top of seat is 17" AFF. TAS Compliant	1-1/2"	_____	4"	2"	
	Flush Valve: Sloan BPW-1100-1.6 (or 1.28 if existing fixtures are 1.28 fixtures, contractor to verify) quiet exposed diaphragm type with ADA non-hold-open handle, vandal resistant stop cap, bedpan washer diverter assembly, two wall bumeurs, and no external volume adjustment. Flush valve shall be provided with Sloan F-189 offset tube for clearance around grab bars. TAS compliant.					
	Carrier: Install existing ixture back on existing carrier as required. Provide new accessories for carrier as required..					
	Seat: Bemis 1955C white solid plastic open front.					
LAVATORIES						
L1	Fixture: Solid surface counter with integral sink specified by Architect. TAS compliant.	1/2"	1/2"	2"	2"	
	Supply: T&S Brass B-0892, 4" Centerset Mixing Faucet with 1/2" NPSM Male Shanks, 4" Wrist Action Handles, Rigid Gooseneck and 2.2GPM Aerator. TAS compliant.					
	Tailpiece: McGuire 155WC Cast Brass Chrome Plated Offset Wheelchair Strainer with polished chrome cast brass elbow and 17 gauge 1-1/4" inch seamless brass offset tailpiece.					
	P-trap: McGuire 8872C-F P-trap shall be chrome plated cast brass body with cleanout, with 17 gauge seamless wall bend, slip nuts and Chrome Plated Forged Brass Set Screw Flange.					
Stops, risers: McGuire BV2165-F Supply kit shall include commercial pattern chrome plated Quarter-Turn Brass Ball Valve with convertible loose key handle, Chrome Plated copper riser and Chrome Plated Forged Brass Set Screw Flange.						
Protective Insulation: Plumberex X4333/X4114, Insulate per ADA 4.19.4 and or IBC all exposed lavatories drain piping, hot/cold stops and supplies. Protectors will consist of molded closed cell PVC, with anti-fungal and anti-microbial properties. To be one piece continuous smooth design.						
L2	Fixture: Existing fixture to be removed and re-installed after new finishes installed. Contractor shall clean existing fixture before re-installing. TAS compliant.	1/2"	1/2"	2"	2"	
	Supply: T&S Brass B-0892-01-F05, 4" Center Set mixing faucet with 1/2" NPSM male shanks, 4" wrist action handles, rigid gooseneck and 0.5 GPM Aerator. TAS compliant.					
	Tailpiece: McGuire 155WC Cast Brass Chrome Plated Offset Wheelchair Strainer with polished chrome cast brass elbow and 17 gauge 1-1/4" inch seamless brass offset tailpiece.					
	P-trap: McGuire 8872C-F P-trap shall be chrome plated cast brass body with cleanout, with 17 gauge seamless wall bend, slip nuts and Chrome Plated Forged Brass Set Screw Flange.					
Stops, risers: McGuire BV2165-F Supply kit shall include commercial pattern chrome plated Quarter-Turn Brass Ball Valve with convertible loose key handle, Chrome Plated copper riser and Chrome Plated Forged Brass Set Screw Flange.						
Protective Insulation: Plumberex X4333/X4114, Insulate per ADA 4.19.4 and or IBC all exposed lavatories drain piping, hot/cold stops and supplies. Protectors will consist of molded closed cell PVC, with anti-fungal and anti-microbial properties. To be one piece continuous smooth design.						
Carrier: Josam 17100 floor mounted Lavatory Carrier with concealed arms, leveling and securing screws, rectangular structural uprights and welded feet						
SHOWERS						
SH1	Fixture: Delta Commercial R10000-UNMW and T17TH-1-5-5, chrome plated single handle pressure actuated mixer with stainless steel balancing piston, internal parts of bronze and stainless steel, angle checkstops, cast wall flange, hand Spray with 60" Chrome hose, 24" Slide Bar, inline vacuum breaker, supply elbow flange and maximum 2.5GPM flow rate. TAS Compliant.	1/2"	1/2"	_____	_____	
SD1	Fixture: Drains are integral with shower receptor specified by Architect. Provide all floor drains with trap seal equal to ProSet Trap Guard and install according to manufacturer's instructions.	_____	_____	2"	2"	2"

AIR DISTRIBUTION SCHEDULE						
MARK	TYPE	LOCATION	FRAME	FINISH	EXAMPLE	
R-1	RETURN	SIDE-WALL	NOTE 1	NOTE 2	TITUS CT-480	
NOTES:						
1. FRAME TYPE SHALL BE CORE WITH BORDER, AND SCREW HOLES FOR FASTENING (EQUAL TO TITUS BORDER TYPE 13, AND FASTENING TYPE A).						
2. FINISH SHALL BE ANODIZED NATURAL (EQUAL TO TITUS COLOR #34).						

PLUMBING LEGEND	
SYMBOL	DESCRIPTION
VTR ●	VENT THROUGH ROOF
————	SANITARY SOIL LINE (SAN)
————	SANITARY VENT LINE (V)
————	COLD WATER LINE (DCW)
————	HOT WATER LINE (DHW)
————	HOT WATER RETURN LINE (DHC)
EXV	EXISTING VENT
EXSAN	EXISTING SANITARY SEWER
EXDCW	EXISTING DOMESTIC COLD WATER
EXDHW	EXISTING DOMESTIC HOT WATER
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
AD	ACCESS DOOR
SAN	SANITARY SOIL
V	SANITARY VENT
G	NATURAL GAS
DHC	DOMESTIC HOT WATER CIRCULATING
A.F.F.	ABOVE FINISHED FLOOR
B.F.C.	BELOW FINISHED CEILING
WCO —	WALL CLEANOUT
CO ○	CLEANOUT
DCO ○○	DOUBLE CLEANOUT
●	BALL VALVE
———>○	ELBOW TURNED DOWN
———○	ELBOW TURNED UP
———▶	FLOW IN DIRECTION OF ARROW
FD ⊠	FLOOR DRAIN
⊕	CONNECT TO EXISTING

MECHANICAL LEGEND	
SYMBOL	DESCRIPTION
AHU	AIR HANDLING UNIT
VAV	VARIABLE AIR VOLUME
GPM	GALLONS PER MINUTE
CFM	CUBIC FEET PER MINUTE
RPM	REVOLUTIONS PER MINUTE
BTUH	BRITISH THERMAL UNITS PER HOUR
MBH	BTUH X 1000
EWI	ENTERING WATER TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
PD	PRESSURE DROP
SP	STATIC PRESSURE
ESP	EXTERNAL STATIC PRESSURE
HP	HORSEPOWER
EAT	ENTERING AIR TEMPERATURE
LAT	LEAVING AIR TEMPERATURE
DB	DRY BULB TEMPERATURE
WB	WET BULB TEMPERATURE
OA	OUTSIDE AIR
RA	RETURN AIR
SA	SUPPLY AIR
EA	EXHAUST AIR
⊠	RETURN GRILLE
———>⊠	RETURN DUCT - CROSS SECTION
———>○	ELBOW TURNED DOWN
———○	ELBOW TURNED UP
⊕	CONNECT TO EXISTING
DIFFUSER/GRILLE LABEL	
⊠ X#	AIR DISTRIBUTION TYPE
⊠ X"	NECK SIZE
⊠ #/M	AIRFLOW (CFM)

CONDRA Y

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UNIVERSITY MEDICAL CENTER

5TH FLOOR PATIENT ROOM

RENOVATIONS

602 INDIANA AVENUE
LUBBOCK, TX.
79415

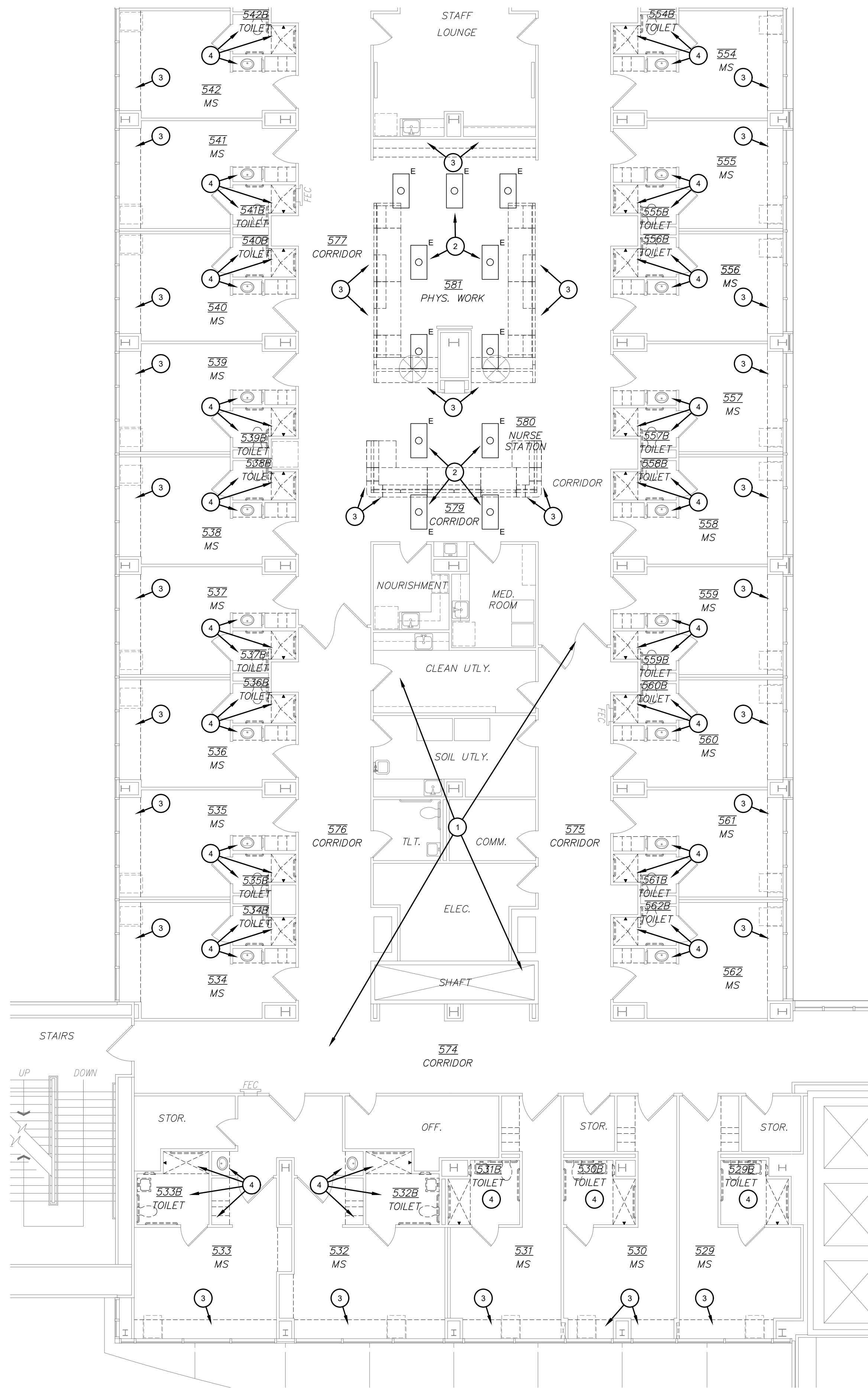
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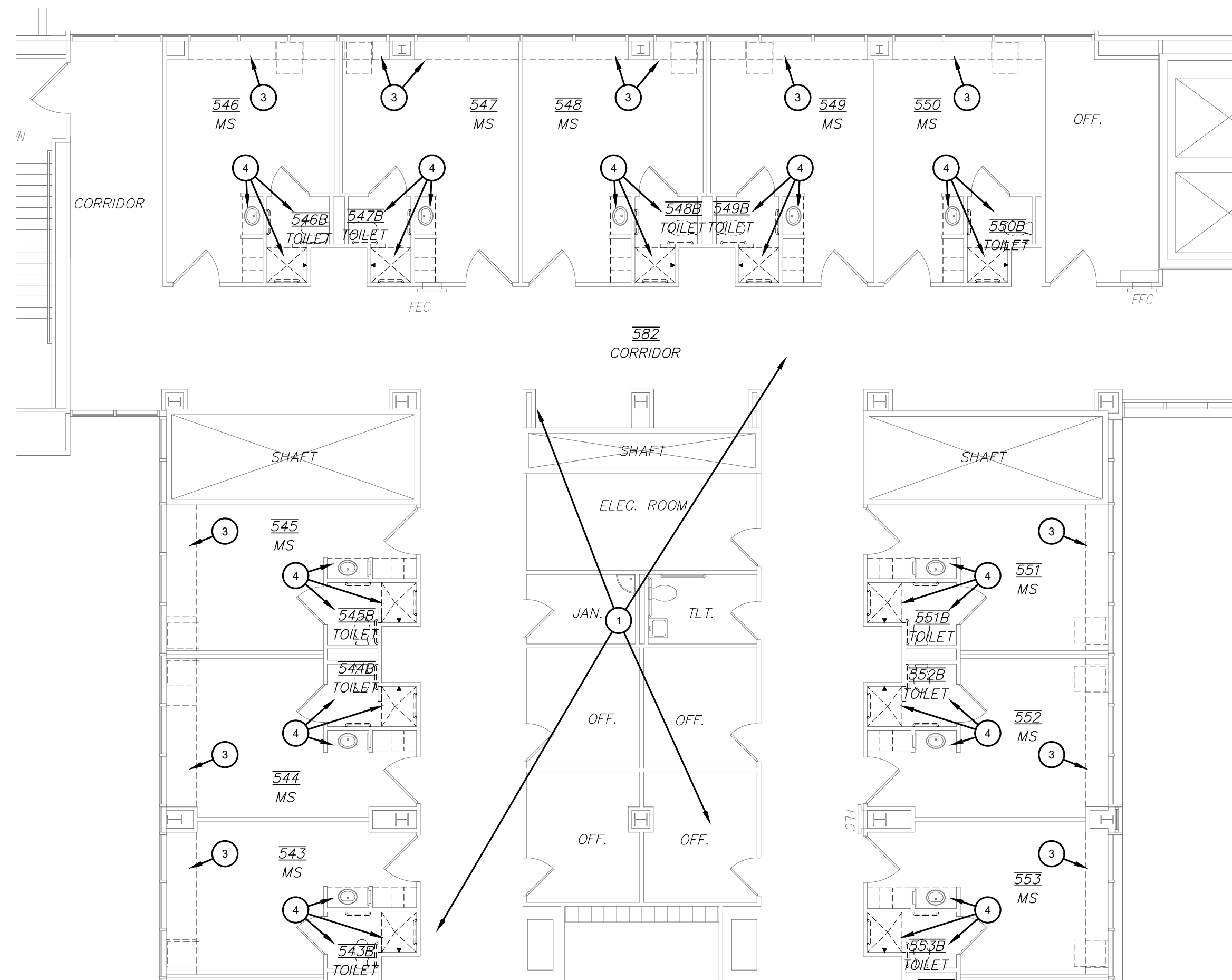
PROJECT NO. 21823
DATE: 09/20/2019

SHEET NO.
MP5

5 OF 5



FIFTH FLOOR PLAN - ELECTRICAL DEMOLITION - WEST
SCALE: 1/8" = 1'-0"

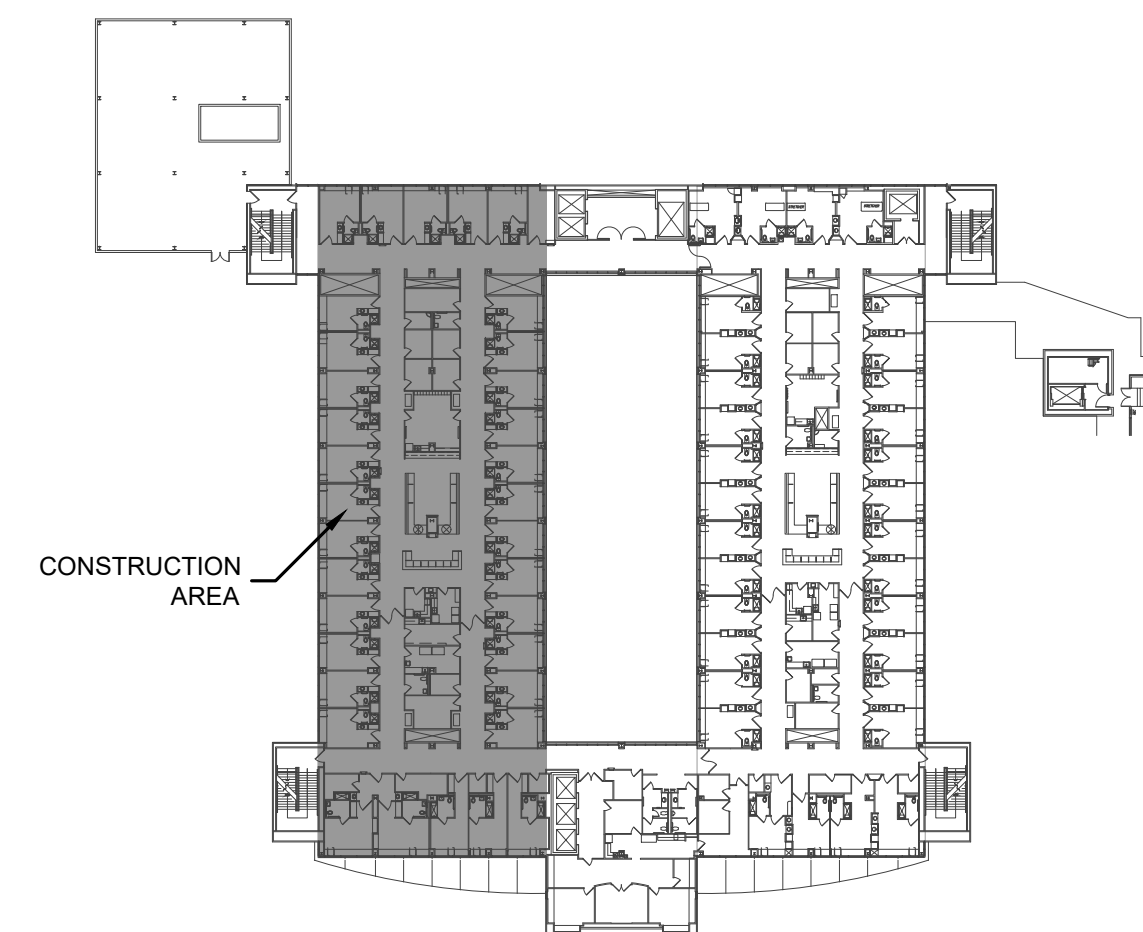


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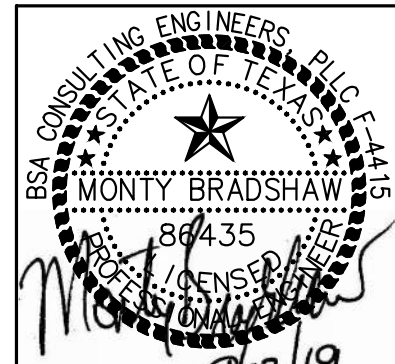
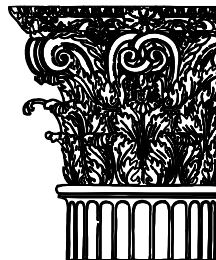
- EXISTING FACILITY SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. ELECTRICAL SYSTEMS REQUIRED TO SHUT DOWN SHALL BE STRICTLY COORDINATED WITH THE OWNER AND ALL OTHER CONSTRUCTION TRADES. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS NECESSARY TO FACILITATE ALL REQUIRED TEMPORARY POWER, CONTROLS, ETC. TO KEEP EXISTING FACILITY OPERATIONAL.
- CONTRACTOR SHALL VERIFY EXISTING CONDITIONS BEFORE BIDDING TO DETERMINE THE TOTAL SCOPE OF WORK REQUIRED AND INCLUDE ALL IN BID.
- VERIFY EXACT DEMOLITION REQUIREMENTS WITH ARCHITECTURAL DEMOLITION PLAN.
- REMOVE ALL ELECTRICAL DEVICES IN WALLS TO BE REMOVED DURING CONSTRUCTION.
- REMOVE ALL ELECTRICAL DEVICES INTERFERING WITH NEW WALL CONSTRUCTION.
- REMOVE AND RECONNECT ANY ELECTRICAL AND/OR MECHANICAL DEVICES INTERFERING WITH CONSTRUCTION BUT REUSED AFTER CONSTRUCTION.
- REMOVE ALL IN WALL AND ABOVE CEILING J-BOXES, PULLBOXES, CONDUIT AND WIRE NOT BEING REUSED FOR NEW CONSTRUCTION. ALL ELECTRICAL DEVICES AND EQUIPMENT TO BE DEMOLISHED SHALL HAVE RESPECTIVE CONDUIT AND WIRING REMOVED BACK TO POINT OF ORIGIN.
- REPLACE AND STRAIGHTEN ANY ABOVE CEILING INSULATION AFTER CONSTRUCTION IS COMPLETE.
- DEMOLISH ALL CONDUIT AND WIRING THAT HAS BECOME ABANDONED AS A RESULT OF THE DEMOLITION WORK. REMOVE ALL EXPOSED CONDUIT AND J-BOXES WHICH HAVE BECOME EMPTY AS A RESULT OF THE DEMOLITION. WHERE J-BOXES CANNOT BE REMOVED PROVIDE BLANK COVERPLATES.

KEYED NOTES:

- NO WORK IN THIS AREA.
- EXISTING LIGHT FIXTURE (NOTED "E") TO REMAIN AS EXISTING (TYPICAL).
- ALL WIRING EXISTING WIRING DEVICE (I.E. RECEPTACLE, COMMUNICATION OUTLET, J-BOX, CONDUIT AND WIRE) MOUNTED WITHIN MILLWORK TO BE DEMOLISHED SHALL BE CAREFULLY REMOVED AND REINSTALLED IN NEW MILLWORK.
- EXISTING LIGHT SWITCHES, RECEPTACLES AND NURSE CALL DEVICES IN THIS AREA TO BE REMOVED AND REINSTALLED AS REQUIRED SO TO BE FLUSH WITH NEW WALL FINISH. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL.



KEYPLAN
NO SCALE



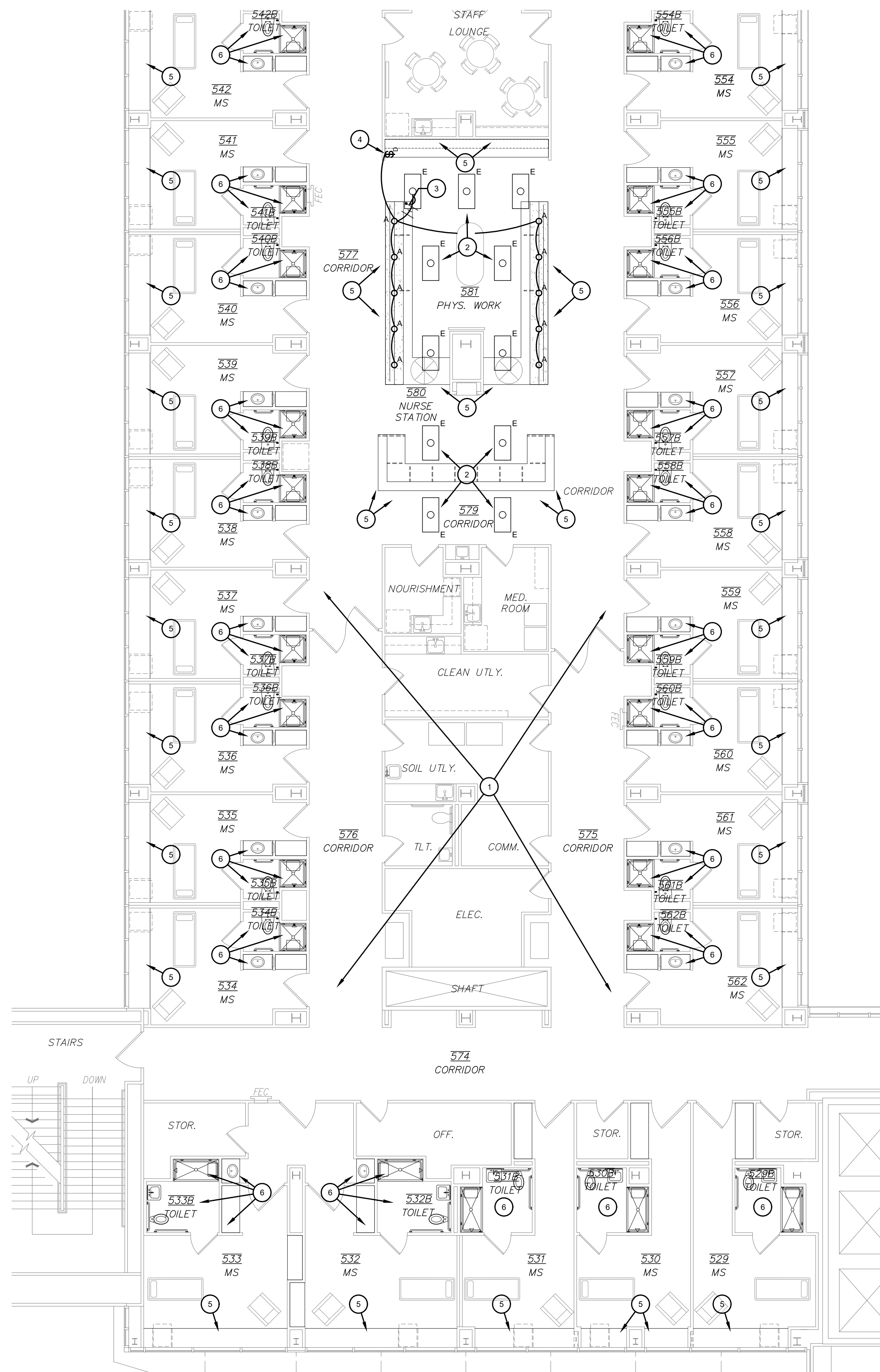
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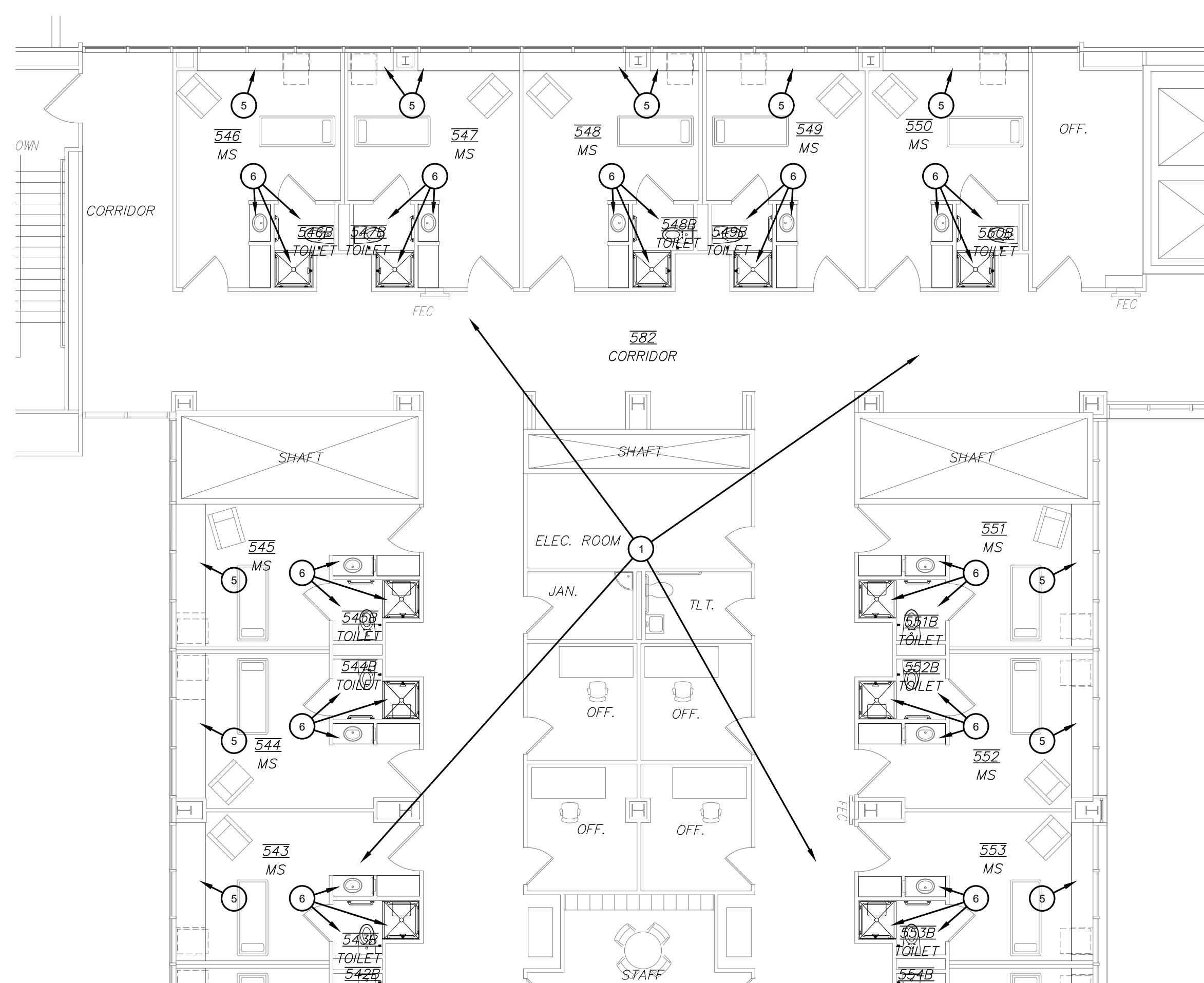
E2

2 OF 5



FIFTH FLOOR PLAN - ELECTRICAL - WEST

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



GENERAL NOTES:

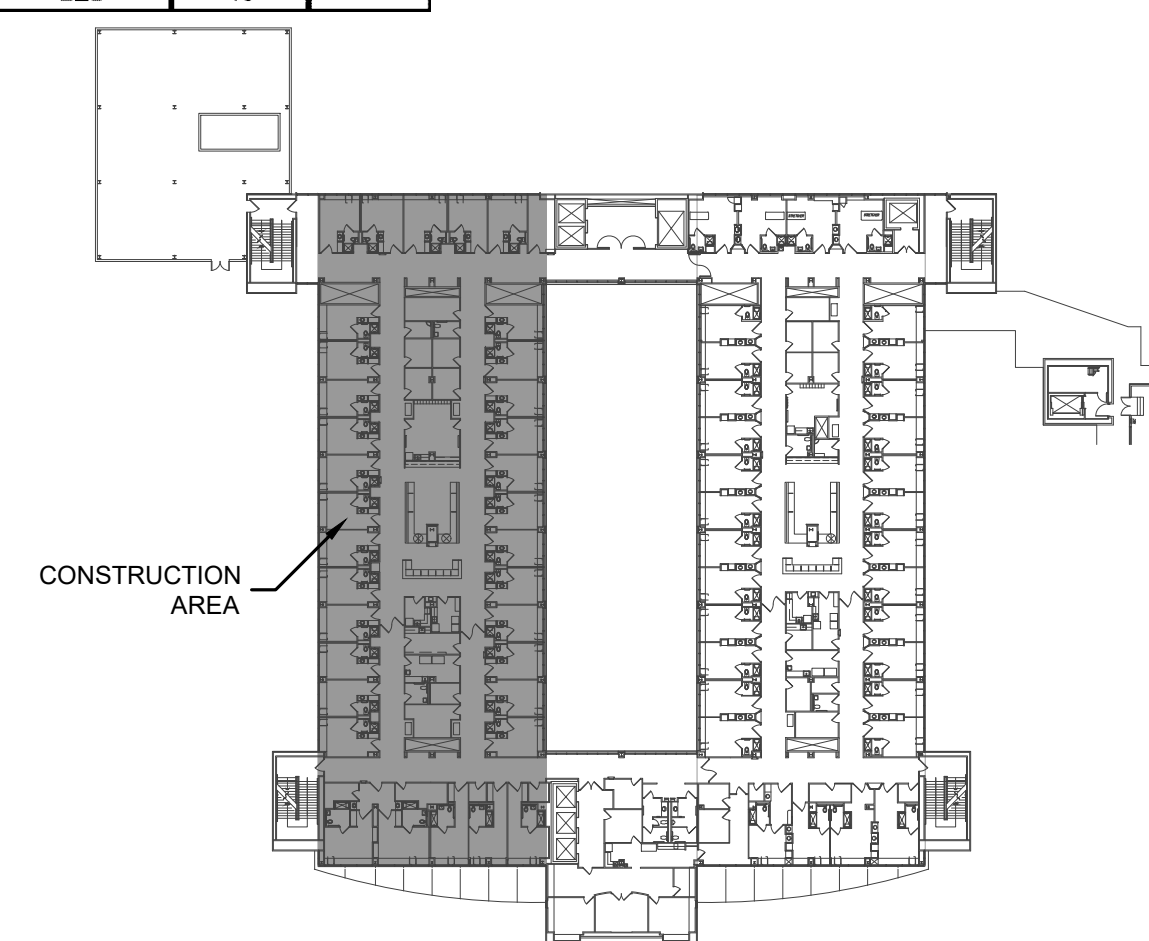
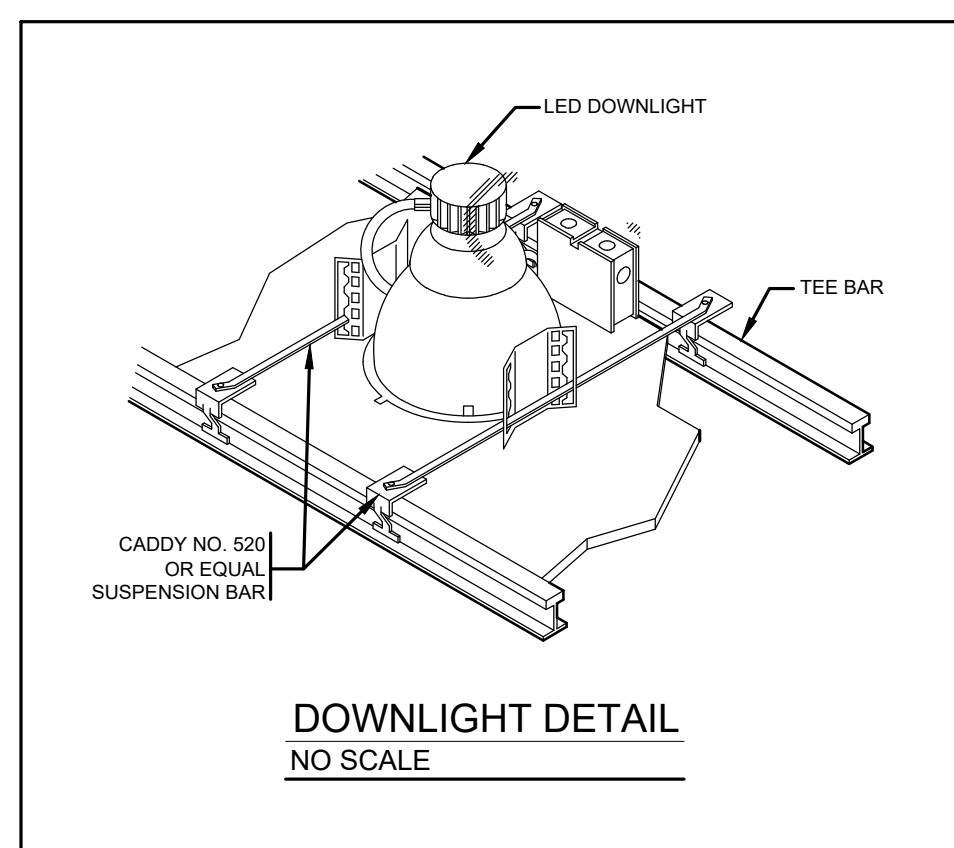
- A. EXISTING FACILITY SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. ELECTRICAL SYSTEMS REQUIRED TO SHUT DOWN SHALL BE STRICTLY COORDINATED WITH THE OWNER AND ALL OTHER CONSTRUCTION TRADES. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS NECESSARY TO FACILITATE ALL REQUIRED TEMPORARY POWER, CONTROLS, ETC. TO KEEP EXISTING FACILITY OPERATIONAL.
- B. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS BEFORE BIDDING TO DETERMINE THE TOTAL SCOPE OF WORK REQUIRED AND INCLUDE ALL IN BID.
- C. REPLACE AND STRAIGHTEN ANY ABOVE CEILING INSULATION AFTER CONSTRUCTION IS COMPLETE.
- D. ALL NEW AND EXISTING LIGHT SWITCHES AND RECEPTACLE COVERPLATES (FACEPLATES) SHALL BE MACHINE ENGRAVED (LASER ETCHED) INDICATING THE PANEL AND CIRCUIT NUMBER SERVING DEVICES.

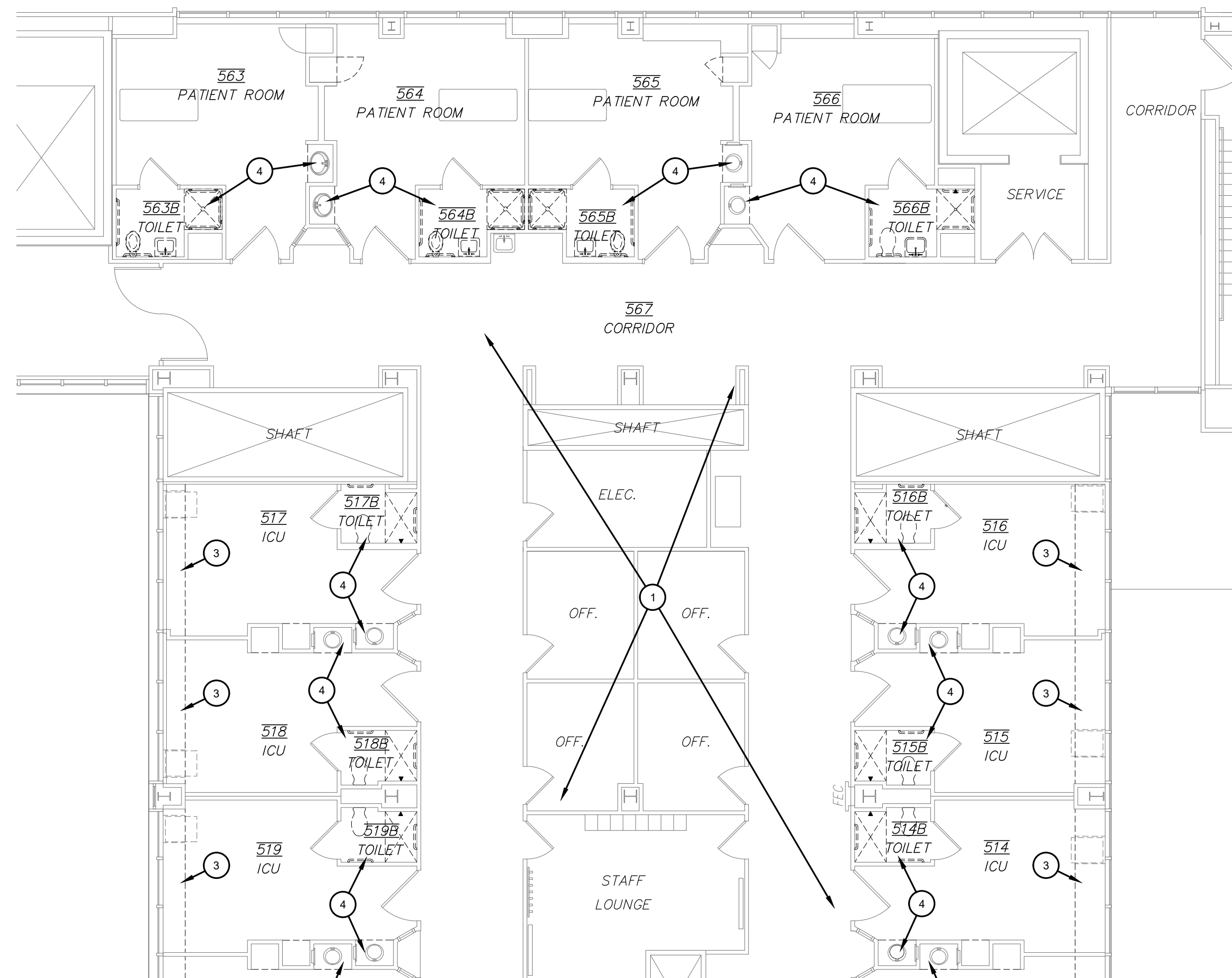
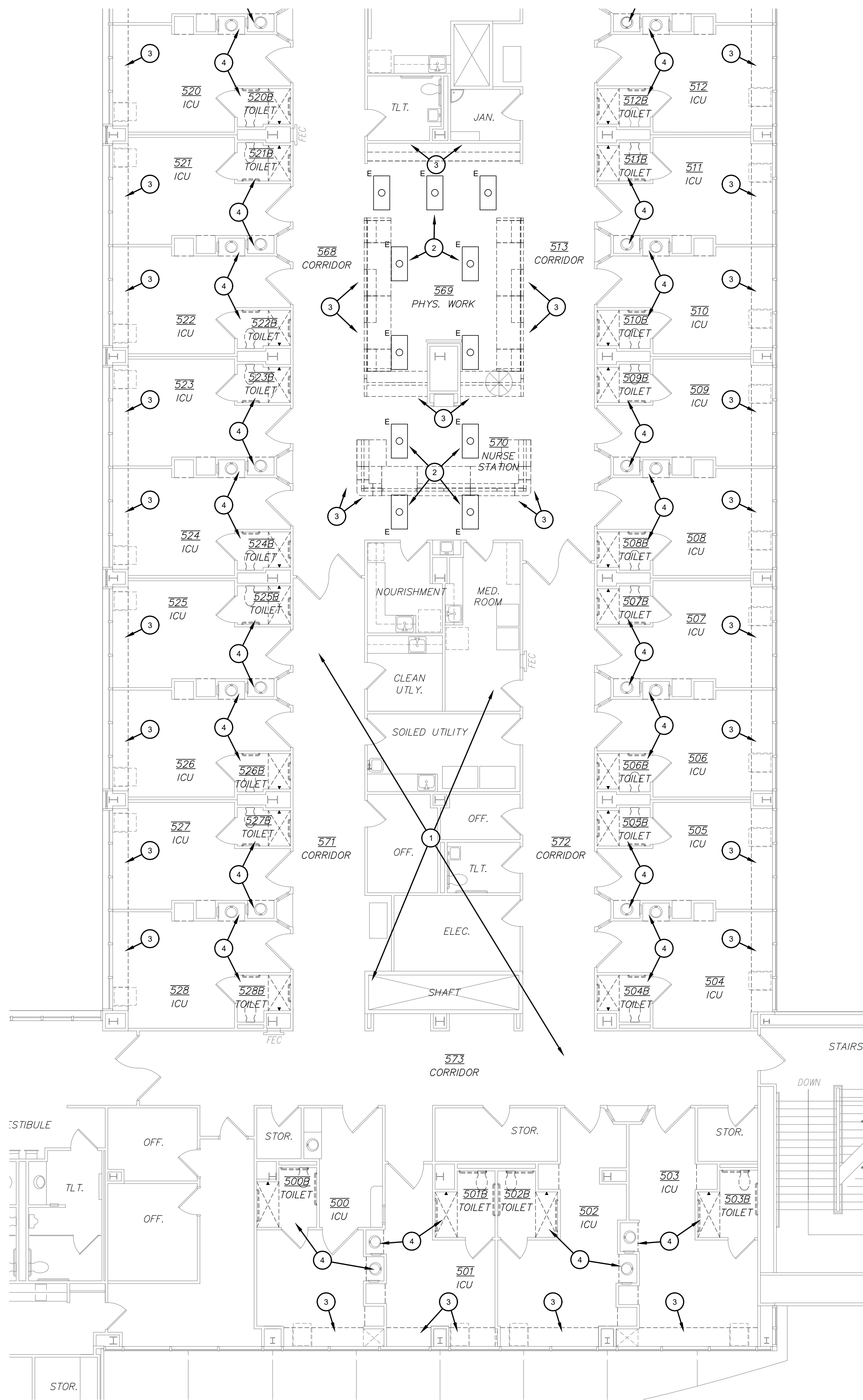
KEYED NOTES:

- 1 NO WORK IN THIS AREA.
- 2 EXISTING LIGHT FIXTURE (NOTED "E") TO REMAIN AS EXISTING (TYPICAL).
- 3 2 #12 & #12 GR. IN 1/2" CONDUIT ONTO EXISTING LIGHTING CIRCUIT (277V) IN THIS AREA.
- 4 NEW WALL MOUNTED DIMMER SWITCH SHALL BE EQUAL TO WATTSTOPPER NO. LMDM-101. COLOR SELECTED BY ARCHITECT.
- 5 ALL WIRING DEVICES (I.E., SWITCH, RECEPTACLE, COMMUNICATION OUTLET, NURSE CALL DEVICE, J-BOX, ETC.) PREVIOUSLY REMOVED FROM DEMOLISHED MILLWORK SHALL BE INSTALLED IN NEW MILLWORK AS REQUIRED. EXTEND ALL CONDUIT AND WIRE AS NEEDED FOR THE REINSTALLATION IN NEW MILLWORK AS DIRECTED BY ARCHITECT. PROVIDE NEW MACHINE ENGRAVED (LASER ETCHED) FACEPLATES ON ALL REINSTALLED DEVICES INDICATING THE PANEL AND CIRCUIT NUMBER SERVING DEVICE.
- 6 REINSTALL ALL WIRING DEVICES IN THIS AREA (I.E., SWITCH, RECEPTACLE, COMMUNICATION OUTLET, NURSE CALL DEVICE, ETC.) SUCH THAT THE DEVICE IS FLUSH WITH NEW WALL COVERING. EXTEND ALL CONDUIT AND WIRE TO NEW LOCATION AS REQUIRED AND RECONNECT ALL FOR OPERATION AS EXISTING. PROVIDE NEW MACHINE ENGRAVED (LASER ETCHED) FACEPLATES ON ALL REINSTALLED DEVICES INDICATING THE PANEL AND CIRCUIT NUMBER SERVING DEVICE.

LIGHTING FIXTURE SCHEDULE - UMC 5th FLOOR RENOVATIONS

TYPE	VOLTS	MOUNTING	MANUFACTURER	CATALOG NUMBER	LAMPS	INPUT WATTS	NOTES
A	277	RECESSED	PRESCOLITE	LF4SLDM1-4LFS11L35K9WTDL	LED	13	--

KEYPLAN
NO SCALE

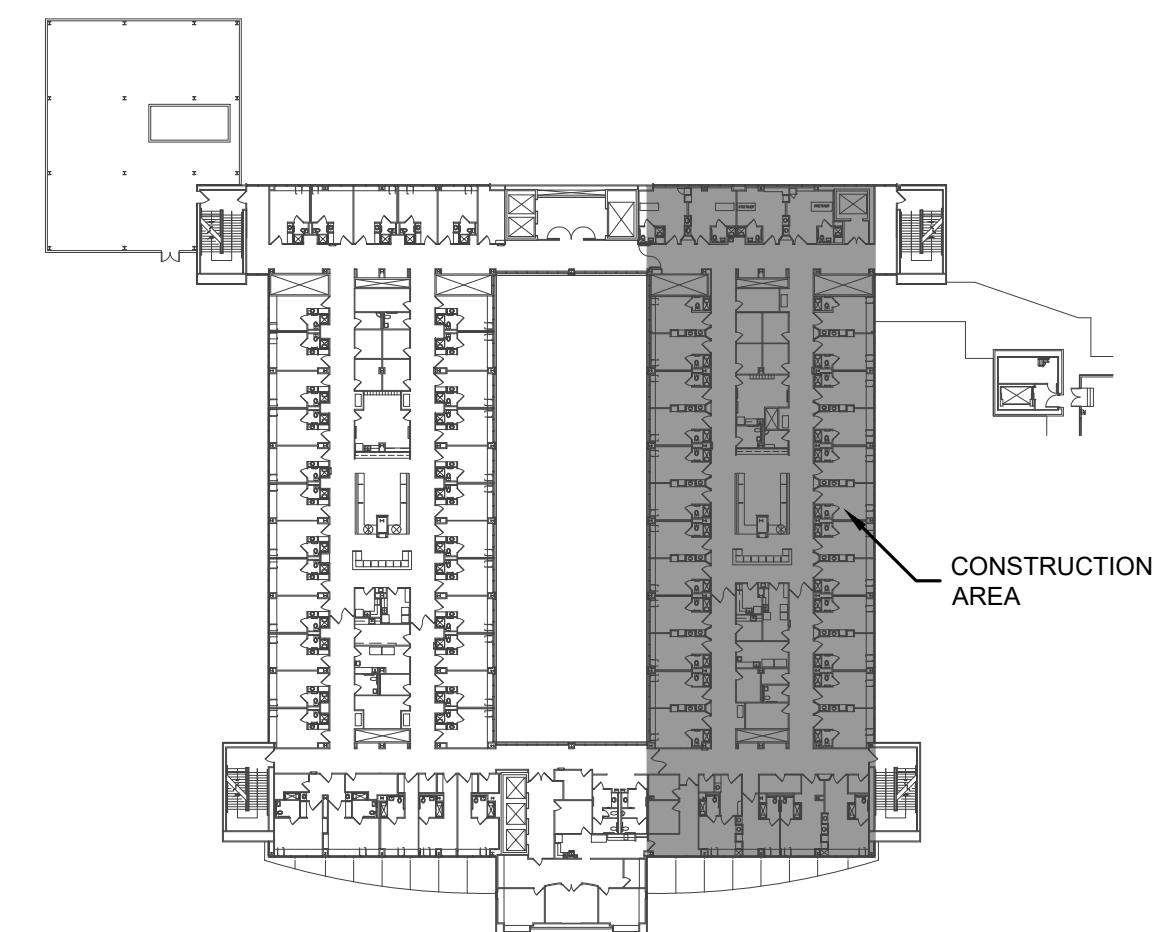


GENERAL NOTES:

- EXISTING FACILITY SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. ELECTRICAL SYSTEMS REQUIRED TO SHUT DOWN SHALL BE STRICTLY COORDINATED WITH THE OWNER AND ALL OTHER CONSTRUCTION TRADES. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS NECESSARY TO FACILITATE ALL REQUIRED TEMPORARY POWER, CONTROLS, ETC. TO KEEP EXISTING FACILITY OPERATIONAL.
- CONTRACTOR SHALL VERIFY EXISTING CONDITIONS BEFORE BIDDING TO DETERMINE THE TOTAL SCOPE OF WORK REQUIRED AND INCLUDE ALL IN BID.
- VERIFY EXACT DEMOLITION REQUIREMENTS WITH ARCHITECTURAL DEMOLITION PLAN.
- REMOVE ALL ELECTRICAL DEVICES IN WALLS TO BE REMOVED DURING CONSTRUCTION.
- REMOVE ALL ELECTRICAL DEVICES INTERFERING WITH NEW WALL CONSTRUCTION.
- REMOVE AND RECONNECT ANY ELECTRICAL AND/OR MECHANICAL DEVICES INTERFERING WITH CONSTRUCTION BUT REUSED AFTER CONSTRUCTION.
- REMOVE ALL IN WALL AND ABOVE CEILING J-BOXES, PULLBOXES, CONDUIT AND WIRE NOT BEING REUSED FOR NEW CONSTRUCTION. ALL ELECTRICAL DEVICES AND EQUIPMENT TO BE DEMOLISHED SHALL HAVE RESPECTIVE CONDUIT AND WIRING REMOVED BACK TO POINT OF ORIGIN.
- REPLACE AND STRAIGHTEN ANY ABOVE CEILING INSULATION AFTER CONSTRUCTION IS COMPLETE.
- DEMOLISH ALL CONDUIT AND WIRING THAT HAS BECOME ABANDONED AS A RESULT OF THE DEMOLITION WORK. REMOVE ALL EXPOSED CONDUIT AND J-BOXES WHICH HAVE BECOME EMPTY AS A RESULT OF THE DEMOLITION. WHERE J-BOXES CANNOT BE REMOVED PROVIDE BLANK COVERPLATES.

KEYED NOTES:

- NO WORK IN THIS AREA.
- EXISTING LIGHT FIXTURE (NOTED "E") TO REMAIN AS EXISTING (TYPICAL).
- ALL WIRING EXISTING WIRING DEVICE (I.E. RECEPTACLE, COMMUNICATION OUTLET, J-BOX, CONDUIT AND WIRE) MOUNTED WITHIN MILLWORK TO BE DEMOLISHED SHALL BE CAREFULLY REMOVED AND REINSTALLED IN NEW MILLWORK.
- EXISTING LIGHT SWITCHES, RECEPTACLES AND NURSE CALL DEVICES IN THIS AREA TO BE REMOVED AND REINSTALLED AS REQUIRED SO TO BE FLUSH WITH NEW WALL FINISH. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL.



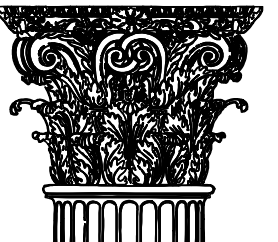
FIFTH FLOOR PLAN - ELECTRICAL DEMOLITION - EAST

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



KEYPLAN
NO SCALE

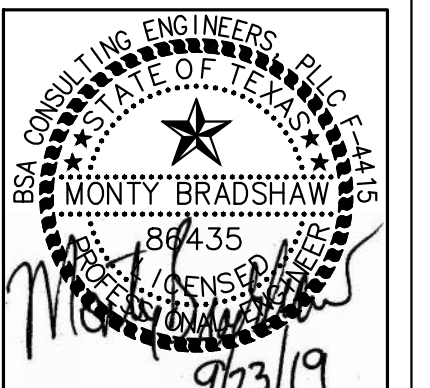
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LUBBOCK, TX.
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REVISIONS:

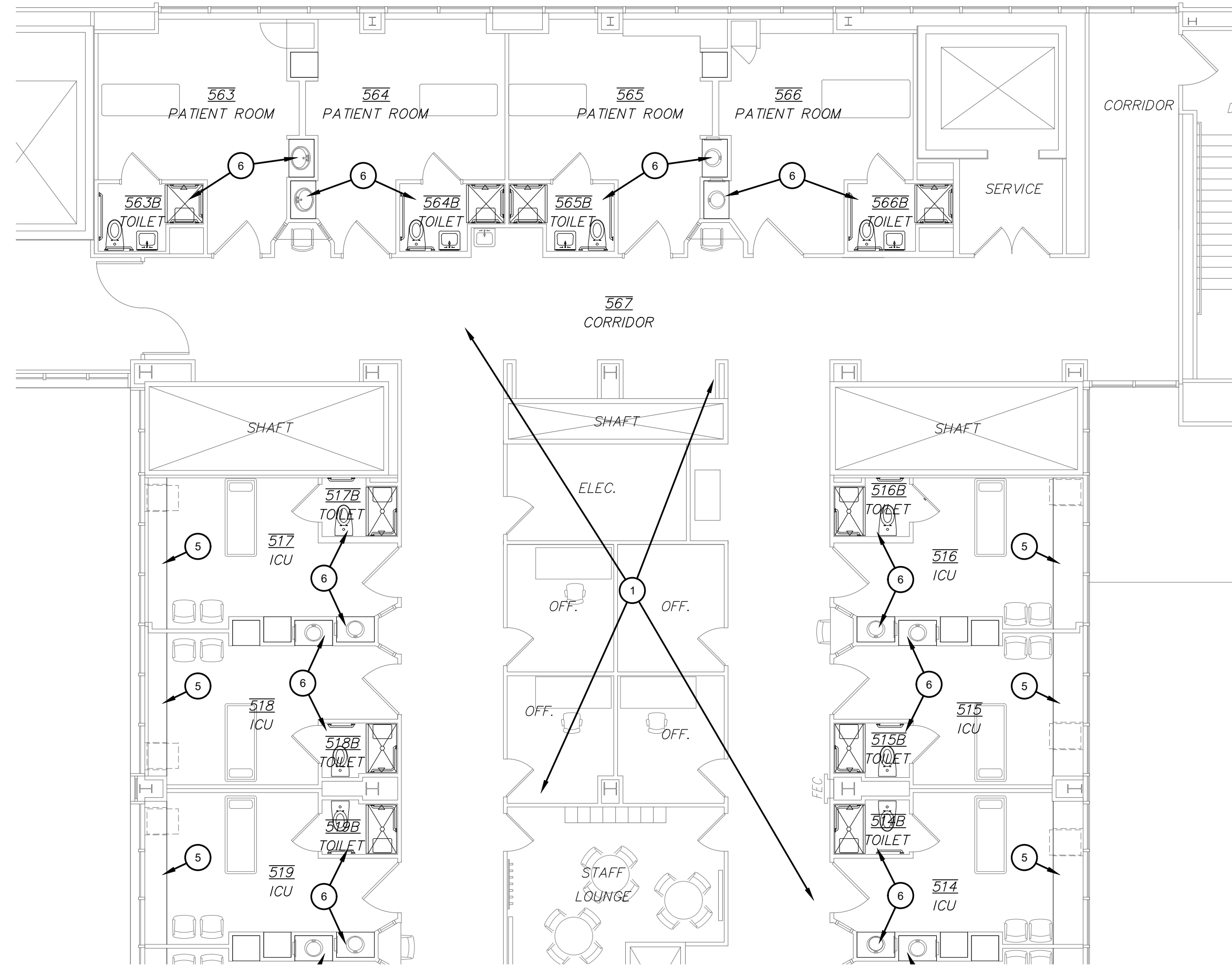
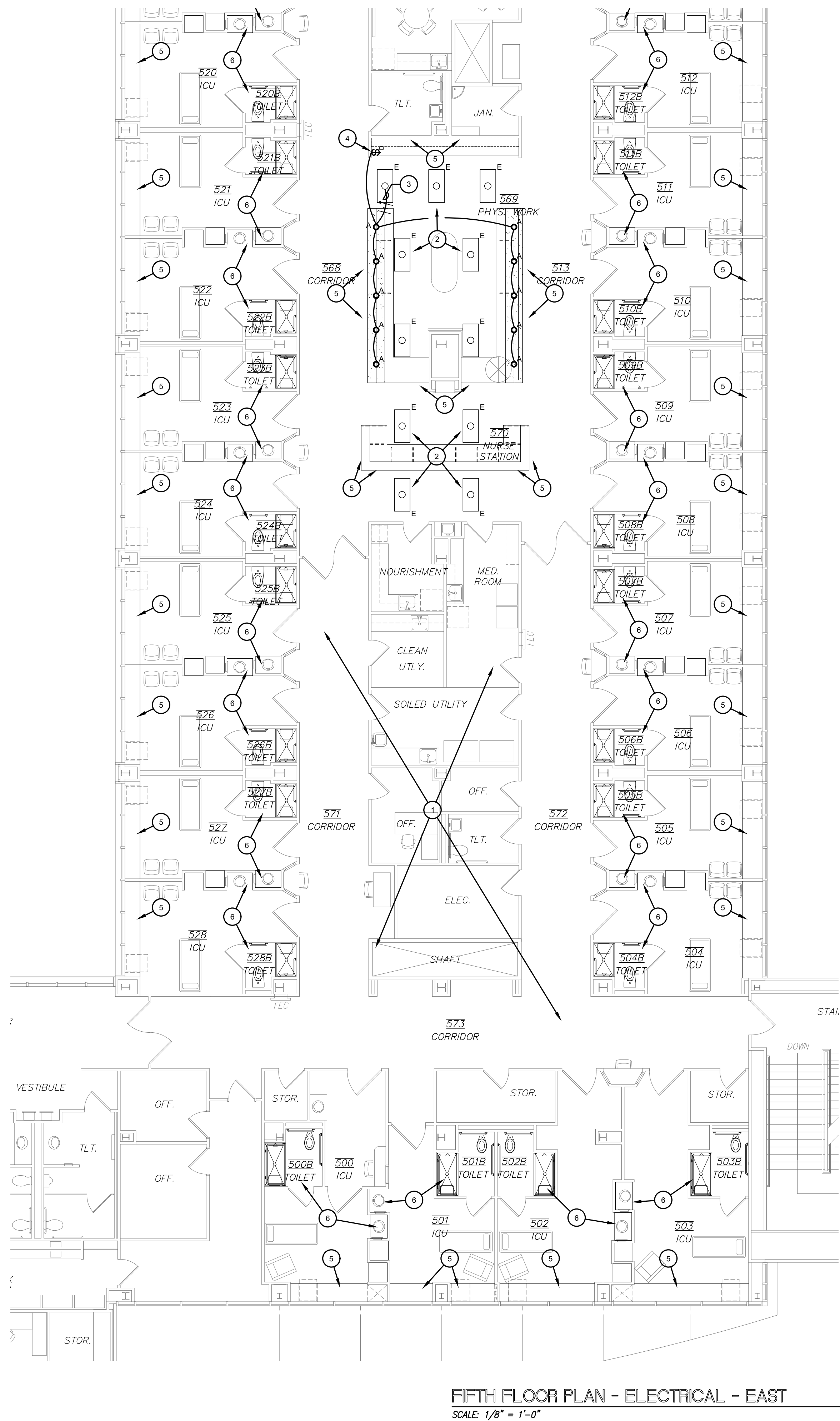
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PROJECT NO. 21823
DATE: 09/19/2019

SHEET NO.

E3

3 OF 5



GENERAL NOTES:

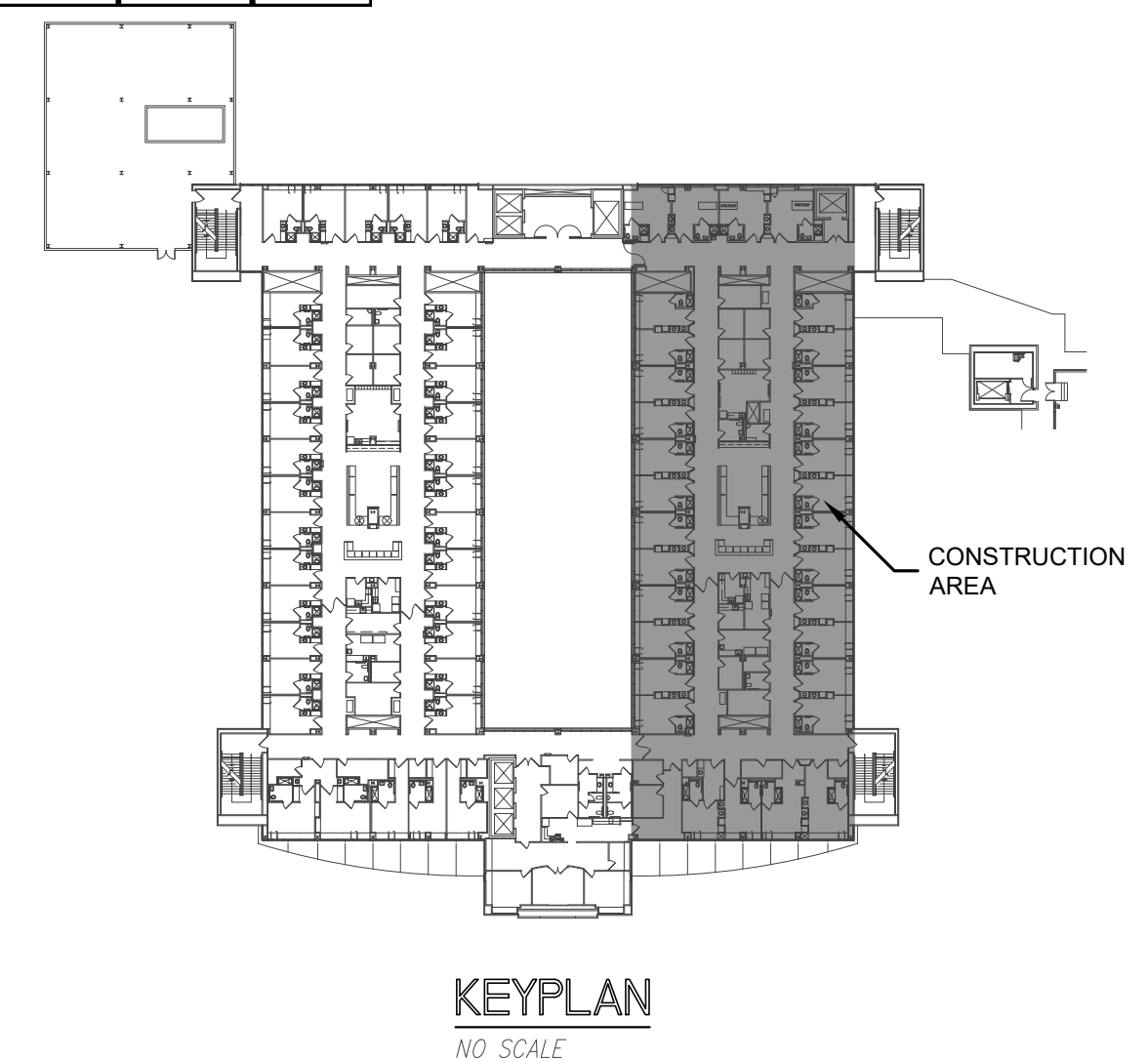
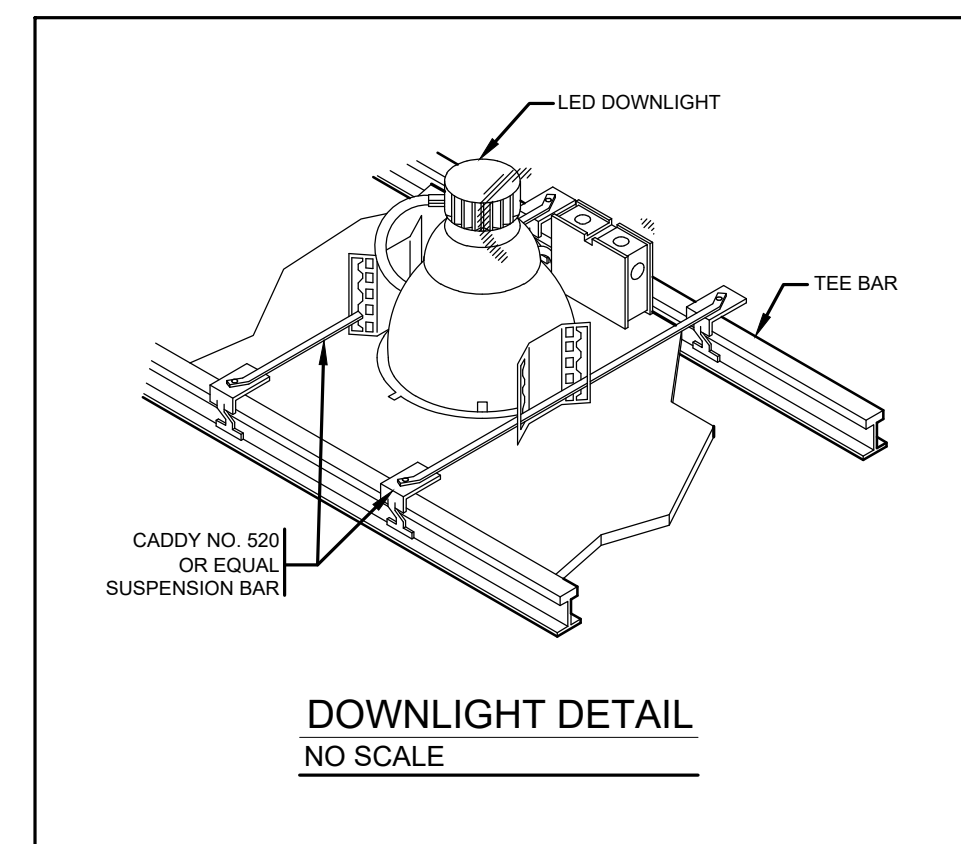
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- CONTRACTOR SHALL VERIFY EXISTING CONDITIONS BEFORE BIDDING TO DETERMINE THE TOTAL SCOPE OF WORK REQUIRED AND INCLUDE ALL IN BID.
- REPLACE AND STRAIGHTEN ANY ABOVE CEILING INSULATION AFTER CONSTRUCTION IS COMPLETE.
- ALL NEW AND EXISTING LIGHT SWITCHES AND RECEPTACLE COVERPLATES (FACEPLATES) SHALL BE MACHINE ENGRAVED (LASER ETCHED) INDICATING THE PANEL AND CIRCUIT NUMBER SERVING DEVICES.

KEYED NOTES:

- NO WORK IN THIS AREA.
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- 2 #12 & #12 GR. IN 1/2" CONDUIT ONTO EXISTING LIGHTING CIRCUIT (277V) IN THIS AREA.
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- ALL WIRING DEVICES (I.E., SWITCH, RECEPTACLE, COMMUNICATION OUTLET, NURSE CALL DEVICE, J-BOX, ETC.) PREVIOUSLY REMOVED FROM DEMOLISHED MILLWORK SHALL BE INSTALLED IN NEW MILLWORK AS REQUIRED. EXTEND ALL CONDUIT AND WIRE AS NEEDED FOR THE REINSTALLATION IN NEW MILLWORK AS DIRECTED BY ARCHITECT. PROVIDE NEW MACHINE ENGRAVED (LASER ETCHED) FACEPLATES ON ALL REINSTALLED DEVICES INDICATING THE PANEL AND CIRCUIT NUMBER SERVING DEVICE.
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LIGHTING FIXTURE SCHEDULE - UMC 5th FLOOR RENOVATIONS

TYPE	VOLTS	MOUNTING	MANUFACTURER	CATALOG NUMBER	LAMPS	INPUT WATTS	NOTES
A	277	RECESSED	PRESCOLITE	LF4SLDM1-4LFSL11L3K9WTDL	LED	13	--



DIVISION 16 - ELECTRICAL

SECTION 16A - GENERAL:

1. The work shall include furnishing and installing all electrical work, including final connections to all devices and placing them in service. All work shall conform to local, state, and national codes as interpreted by the authorities having jurisdiction. All materials shall be UL labeled and listed.
2. Comply with requirements of the 2017 National Electrical Code and the City of Lubbock codes and ordinances in the construction and installation of all work.
3. All major electrical service equipment specified herein shall be Square D. This includes panelboards, disconnect switches and circuit breakers. Obtain Owner's approval for substitutions.
4. All equipment shall be installed in a location and manner that shall allow for convenient access for maintenance and inspection. Access doors and panels in walls and ceilings shall be provided as required for concealed equipment, controls and boxes.
5. Make all payments for fees, permits and deposits for electrical work. Coordinate with local electrical utility to provide all equipment and pay all costs required to extend underground service from power company facilities to building including meter bases and conduit for meter conductors, CT meter cabinets, and other equipment deemed necessary by the utility company. Contractor shall be responsible for all coordination with the power company.
6. The owner or architect for this project must take the responsibility to submit these drawings to all state and local authorities for required plan reviews. Plans must be submitted for review no later than 5 days after the date appearing on the professional seals.

SECTION 16B - MATERIALS:

16B.1 CONDUITS

- 1.1 Rigid Steel Conduit: Rigid, threaded, thick-walled: galvanized inside and outside or galvanized outside with a protective coating inside. UL listed and labeled according to Standard UL6; conforming to ANSI Standard C80.1; Pittsburgh, Republic Steel, Robroy or Allied.
- 1.2 Electrical Metallic Tubing (EMT): Steel tubing, galvanized outside and provided with a slick corrosion resistant interior coating; UL listed and labeled according to Standard 797; conforming to ANSI Standard C80.3; Pittsburg, Republic Steel, Robroy or Allied.
- 1.3 Flexible Metal Conduit: Spirally wound with hot dip galvanized steel strips (commercial Greenfield); conforming to UL Standard UL1 and UL listed and labeled; Triangle Conduit and Cable Company, or equivalent.
- 1.4 Liquidtight Flexible Metal Conduit: Spirally wound, galvanized steel strips, as for flexible metal conduit; with polyvinyl chloride cover extruded over the exterior to make conduit liquidtight; UL listed, Electri-flex type "LA" or equivalent.

16B.2 CONDUIT FITTINGS

- 2.1 Couplings and Terminations for Rigid Steel conduit: Factory made steel threaded couplings; bushing at all boxes and cabinets, with locknuts inside and outside box or cabinet.
- 2.2 Couplings and Terminations for Electrical Metallic Tubing: Join lengths of EMT with steel, compression type couplings and connectors where possible. Otherwise use set-screw fittings. Provide nylon insulated throat, steel connectors at box and cabinet terminations.
- 2.3 Couplings and Terminations for Flexible Metal Conduit: T&B 440 Series couplings at connections between flexible and rigid conduit; T&B 3110 or 3130 Series nylon insulated throat, steel connectors at box or cabinet terminations.

16B.3 OUTLET BOXES

- 3.1 Sheet Steel Boxes: Sheet steel not lighter than No. 14 gauge, galvanized after fabrication: Raco, Steel City or Appleton.
- 3.2 Cast Metal Boxes: Cast iron or Cast alloy with threaded hubs: Crouse-Hinds, Appleton or Pyle National.
- 3.3 Non-Metallic Boxes: NEMA OS 1

16B.4 PULL BOXES AND JUNCTION BOXES

- 4.1 Sheet steel, galvanized inside and outside, with galvanized covers.
- 4.2 Small boxes: For boxes where the volume required is not over 100 cubic inches, use standard outlet boxes.
- 4.3 Larger Boxes: For boxes where the volume required is over 100 cubic inches, use cabinets as specified for panelboard cabinets with covers of same gauge as boxes, secured with corrosion resistant bolts or screws.

16B.5 CONDUCTORS (600 VOLTS AND UNDER)

- 5.1 Type: Soft drawn, annealed copper, UL listed, rated at 600 volts, Okonite, Triange, Anaconda or Simplex No. 8 and larger shall be stranded. No. 10 and smaller may be solid.
- 5.2 Insulation: Branch circuits shall have type THHN insulation for exterior installations. Service feeders shall be type THHN or THWN in conduit. Feeder circuits shall be Type THHN in Conduit.
- 5.3 Type MC Cable copper cable (600 volt copper THHN/THWN conductors) with internal grounding conductor. Interlocked aluminum armor, UL Listed, Southwire Armorlite or equal. Use as light fixture whips only.

16B.6 JOINTS AND SPLICES

- 6.1 Stranded Copper Conductors: UL approved solderless bolted pressure connectors or Thomas and Betts Series 54000 compression connectors. All connectors shall be properly sized to match conductor sizes. All compression connectors shall be applied with properly sized dies and tools.
- 6.2 Solid Copper Conductors: UL approved solderless bolted pressure connectors: or UL approved electrical spring connectors of "Scotchlok", Ideal or T&B "Piggy" make.

SECTION 16C - COLOR CODING:

1. Phase conductors shall be black, red and blue for phases A, B & C respectively in the 208Y/120 volt system and brown, orange and yellow in the 480/277 volt system.
2. Neutral conductors shall be white. Grounding conductors shall be green.
3. Switch legs shall be black with white, red with white or blue with white depending on phase.
4. All wiring No. 8 and larger shall be black and be marked with color banding tape as specified. All phase conductors, neutral and equipment ground conductors shall be marked with colored tape. Apply marking at each termination and every four feet of wiring in raceways.

SECTION 16D - WIRING DEVICES: (VERIFY ALL COLORS WITH ARCHITECT)

16D.1 WALL SWITCHES

DEVICE	CATALOG NO.
1.1 Single Pole Wall Switch	Pass & Seymour 20AC1
1.2 Three-way Wall Switch	Pass & Seymour 20AC3

16D.2 RECEPTACLES

- 2.1 Receptacle, 20 Ampere, 125 Volt, 2 Pole, 3 Wire Grounding Duplex: Pass & Seymour No. 5362 (NEMA 5-20R).
- 2.2 Receptacle, 20 Ampere, 125 Volt, 2 Pole, 3 Wire Grounding Duplex with Self-Contained Ground Fault Circuit Interrupter: Pass & Seymour No. 2091.
- 2.3 Receptacle with isolated ground: Pass & Seymour No. IG6300.
- 2.4 Tamper Proof Receptacle: Pass & Seymour No. TR63.

16D.3 COVERPLATES

- 3.1 All coverplates shall be 0.035-inch- thick, satin-finished, Type 302 stainless steel.
- 3.2 Identify each light switch and receptacle with panelboard identification and circuit number. Use engraved machine (laser etched) printing with black-filled lettering on face of plate, and durable wire markers or tags inside outlet boxes. All wiring device (light switch and receptacle) cover plates shall be machine engraved (laser etched) stainless steel. Hand engraving will not be acceptable.

SECTION 16E - PANELBOARDS:

16E.1 MATERIALS

1. Panelboard Cabinets: Furnish and install cabinets to serve the various panelboards, of sizes as required to house the panelboards. Cabinets shall be rigidly constructed of sheet steel of gauges conforming to Underwriters' Laboratories Inc. requirements; corners over-lapped or welded; edges turned over to receive trim.
2. Cabinet Fronts: Cut from single sheet of not less than No. 12 gauge cold-rolled sheet steel; fastened in place by adjustable trim clamps which will allow plumbing; same size as the cabinet box if surface mounted; size to overlap the box a minimum of 3/4" on all sides if flush mounted. Provide each door with a substantial flush, cylinder tumbler lock and catch. On doors more than 48" high provide a combination three point catch and lock with T-handle. Provide each lock with two keys, with all locks keyed alike.
3. Finish: All back boxes galvanized; all exposed metal, including fronts, primed and finished in gray lacquer.
4. Where a circuit protective device is scheduled as a "spare", provide the device complete for operation. Where such a device is scheduled as a "space" or "space only", provide proper space and all necessary connectors for future installation of the size of device scheduled. Where a breaker or switch is scheduled to serve a "future" load, provide the device complete for operation.
5. All circuit breakers shall be quick make, quick break, trip free, thermal magnetic, indicating type unless noted otherwise. Branch circuit breakers shall be fully interchangeable without disturbing adjacent units.
6. Connect all circuit interrupting devices with sequence phasing.
7. Provide each panelboard with a neatly typewritten directory of circuits mounted in a cardholder on the inside of the panelboard cabinet. Cover directory with transparent sheet plastic.
8. All panelboards shall be listed by Underwriters' Laboratories Inc.
9. Provide each panelboard with a factory engraved nameplate which shall identify the panelboard name.
10. Bussing: All panel board bussing shall be copper.
11. Remote controlled circuit breaker panels shall be Square 'D' Power-Link or equal.

16E.2 LIGHTING AND APPLIANCE PANELBOARDS:

1. Panelboards shall have the number and size of bolted-in circuit breakers as scheduled. Panels shall be Square D, type NF or NQOD with bolt-on breakers as required for the interrupting ratings schedules or equivalent.

SECTION 16F - INTERIOR LIGHTING FIXTURES:

16F.1 MATERIALS

1. Provide and install a lighting fixture on each and every lighting outlet shown. Furnish fixtures in accordance with the designations on the drawings and as specified herein. All features specified or scheduled for fixtures shall be provided, even if the catalog number given in the specifications or schedule lacks the required numerals, prefixes or suffixes corresponding to the features called for.
2. All lighting fixtures shall bear the label Underwriters' Laboratories Inc.
3. Provide electronic drivers and LED Lamping for all fixtures.
4. Fixtures shall comply with ANSI 132.1.

16F.2 DRIVERS

1. LED drivers shall have a minimum power factor of 85% and total harmonic distortion not to exceed 10%.

SECTION 16G - DISCONNECT SWITCHES:

1. Disconnecting switches shall be manufactured by Square D. Switches shall be heavy duty, enclosed type, rated for 250 volts. Switches used as service switches shall bear a UL service entrance label and nameplate shall so indicate.
2. All HVAC equipment shall be provided with disconnects per NEC 2017.

SECTION 16H - EXECUTION:

16H.1 INSTALLATION OF BUILDING RACEWAYS

- 1.1 Types: Above grade interior conduits shall be electrical metallic tubing. Conduits installed below grade in slabs or buried in earth shall be PVC or rigid galvanized steel. Ent is not allowed.
- 1.2 Connections: Use lengths of flexible metal conduit, not less than 12" long at final connections to all motors, controls and other devices subject to movement because of vibration or mechanical adjustment.

16H.2 CONDUIT SUPPORTS

- 2.1 Support Spacing: Use minimum spacing as directed by National Electrical Code, but space hangers more closely where required by conditions.
- 2.2 Individual Conduits: Support conduits running vertically or horizontally with galvanized malleable iron one-hole clamps. Carry individual supported horizontally conduits 1-1/4" and larger on Kindorf No. 150 or Steel City No.C-149 hangers. Use no perforated strap iron as hanger material. Where conduits smaller than 1-1/4" are installed above non-removable type ceilings, they may be supported on ceiling runner channels.
- 2.3 Multiple Conduits: Where multiple raceways are run horizontally at the same elevations, they may be supported on trapezes formed of sections of Unistrut angle iron or channels suspended on rods or pipes. Size trapeze members including the suspension rods for the number size and loaded weight of the conduits they are to support. Space them as required for the smallest conduit supported.

16H.3 INSTALLATION OF OUTLET BOXES

- 3.1 Usage: provide at each outlet or device of whatever character a metal outlet box in which conduits shall terminate.
- 3.2 Boxes Recessed in Construction: Cast metal boxes.
- 3.3 For Wall Switches, Receptacles and Communications Use: Use 4"x4" size with proper square cornered tile wall cover, plaster cover, or finishing plate, except where construction will not permit or the device requires a larger box.
- 3.4 Boxes for Exposed Work: Cast metal boxes.
- 3.5 Boxes for Outdoors: Cast metal boxes with gasketed covers.

16H.4 WIRE PULLING

- 4.1 Wire Pulling: Provide suitable installation equipment for pulling conductors into raceways or conduits. Use ropes of polyethylene, nylon or other suitable material to pull in conductors. Attach pulling lines to conductors by means of woven basket grips or by pulling eyes attached directly to conductors. All conductors to be installed in a single conduit shall be pulled in together.
- 4.2 Cable Lubricants: All cable lubricants shall be UL listed, and shall be certified by their manufacturer to be non-injurious to the insulation on which they are used.

16H.5 INSTALLATION OF BUILDING WIRE (600 VOLTS AND UNDER)

- 5.1 Feeders: Run all feeders their entire length in continuous pieces without joints or splices, insofar as practical.
- 5.2 Sizes: No wire shall be smaller than No. 12 except for signal or control circuits, and except for individual lighting fixture taps as permitted by the National Electrical Code.
- 5.3 Identifying Tags: Non-ferrous; stamped to clearly identify each circuit. Securely fasten tags to all cables, feeders and power circuits in pull boxes, lighting, power and distribution panelboards, etc.
- 5.4 Bundling Conductors: Bundle all conductors in panelboards, cabinets and the like, using marlin twine lacing or nylon straps made for the purpose. Bundle conductors larger than No. 10 in individual circuits. Bundle smaller conductors in larger groups.

16H.6 MOUNTING HEIGHTS

- 6.1 Where mounting heights are indicated on the drawings, the device shall be installed with the centerline of the device at the indicated height.
- 6.2 In general, devices which are shown to be installed at counters or other millwork, unless noted. Wall switches shall be installed on the strike side of the door as finally hung.
- 6.3 Unless otherwise noted on the drawings, or directed by the Owner, install devices at the following heights.

DEVICE	MOUNTING HEIGHT
Wall Switch	48"
Receptacle	18"
Telephone & Data Outlet	18"

- 6.4 Observe all ADA & TAS requirements when mounting devices in areas designated as "handicap" or "accessible".

SECTION 16I - SERVICE CONNECTIONS:

1. Verify power company service requirements for this project prior to bid. Include all charges by Power Company in original bid.

SECTION 16J - LOAD BALANCING:

1. The contractor shall carefully balance his electrical loads between the various phases. When the facilities are under use at their heaviest loading periods, tests shall be run on the "hot" conductors in each feeder to a panel and any unbalance shall be corrected to a point that no conductor's load shall be more than 10% high or low (maximum unbalance of 20%) in amperes.

SECTION 16K - SERVICE AND EQUIPMENT GROUNDING:

1. Provide adequate and permanent service neutral and equipment grounding in accordance with the National Electrical Code, and subject to the following additional requirements.
2. Connect the service ground and equipment ground to a common point within the metallic enclosure containing the main service disconnecting means. From the common point of connection of the service ground and equipment ground, run in conduit a combined service and equipment grounding conductor without joint of splice to the main water service pipe and connect it thereto with an approved bolted pressure clamp. Clean all contact surfaces thoroughly before connection, to assure good metal to metal contact. Bond the conduit to the grounding conductor at each end. Supplement the water pipe ground with an additional electrode which shall be 10' long by 3/4 inch diameter copperclad steelground rod. Attach the electrode to the water pipe and to the service/equipment grounding conductor.
3. Size grounding conductors in accordance with National Electrical Code Section 250.
4. The building structure steel frame shall be grounded to the building service ground electrode, using the conductor size specified in National Electrical Code Section 250.

SECTION 16L - GROUNDING RACEWAYS:

1. Assure the electrical continuity at all metallic raceway systems, pulling up all conduits and/or locknuts wrench light. Where the flexible metallic conduit is employed, provide a green-insulated grounding jumper installed in the flexible conduit. Install a separate green-insulated conductor in each non-metallic conduit.
2. Provide grounding bushings on all service raceways terminating within panelboards, cabinets, and all other enclosures. Provide grounding conductors from such bushings to the frame of the enclosure and to the ground bus or equipment grounding strap. Size grounding conductors in accordance with NEC Section 250.

SECTION 16M - EQUIPMENT GROUNDING CONDUCTORS:

1. Provide a separate, green-insulated copper grounding conductor, with insulation of the same rating as phase conductors, for each feeder and for each branch circuit installed. Install the grounding conductor in the same raceway with the related phase and neutral conductors, and connect the grounding conductor to pull boxes at intervals of 100 feet or less, to each raceway. Connect all grounding conductors to bare grounding bars in panelboards, and to ground buses in service equipment to the end that there will be an uninterrupted grounding circuit from the point of a ground fault back to the point of connection of the equipment ground and system neutral. Size all these grounding conductors per NEC Section 250.

SECTION 16N - EQUIPMENT WIRING:

1. Connect complete for operation all items of heating and air conditioning, refrigeration, kitchen equipment, modular furniture and all other electrical devices furnished by the Owner of under other Divisions of the specifications. Outlets of various types have been indicated at equipment locations, but no indications of exact location or scope of the work are shown on the drawings. Refer to the Owner and to the various Contractors for the work under the other Divisions for the scope of connections to equipment furnished by them and for the exact locations of all items.
2. Where disconnect switches or circuit breakers are not provided integral with control equipment for motors and other electrical appurtenances, provide and install all disconnect switches required by the National Electrical Code and/or as indicated.

SECTION 16O - TEMPERATURE CONTROL:

1. Completely connect for operation all items for temperature controls which require electrical connections, furnishing all wiring, conduit and labor. All control wiring, including thermostat wiring, shall be in conduit.

