

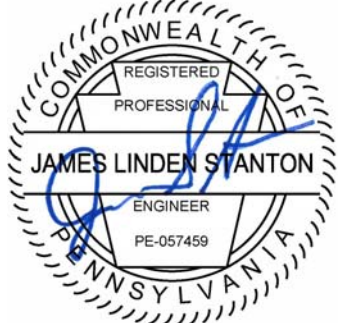
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E100	OVERALL AND PARTIAL FIRST FLOOR PLANS ELECTRICAL

FAYETTE COUNTY COURTHOUSE
CONFERENCE ROOM EXPANSION

PREPARED FOR
FAYETTE COUNTY BOARD OF COMMISSIONERS
61 EAST MAIN STREET
UNIONTOWN, PA 15401

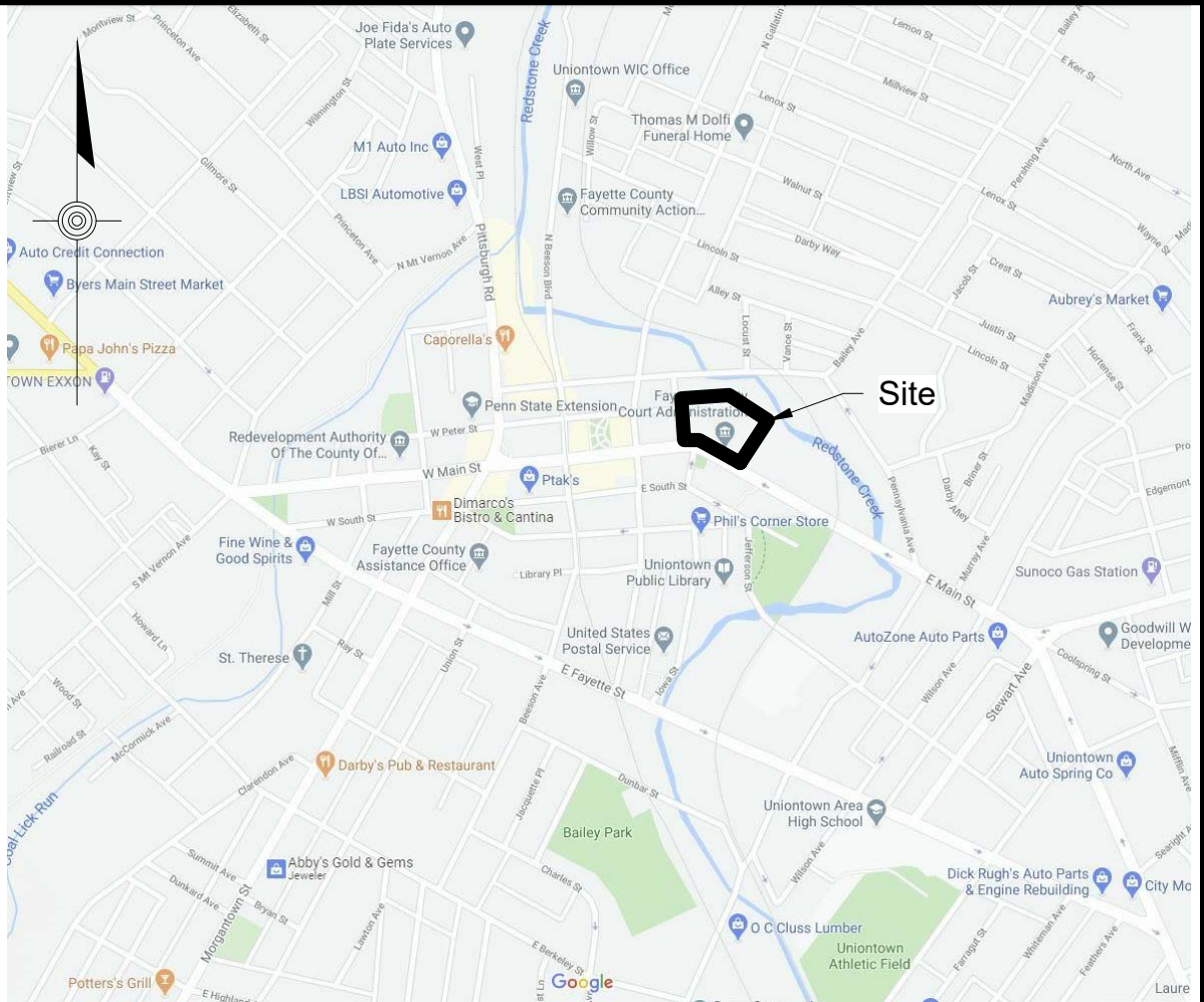
AUGUST 2020



PREPARED BY



115 Wayland Smith Drive, Uniontown, PA 15401
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LOCATION MAP

GOOGLE MAPS SCALE: N.T.S.

2015 INTERNATIONAL EXISTING BUILDING CODE
Chapter 8, Alterations - Level 2

SECTION 801 - GENERAL

801.2 Alteration Level 1 Compliance.

SECTION 803 - BUILDING ELEMENTS AND MATERIALS

803.2 Vertical Openings; Not Applicable.
803.4 Interior Finish; In Compliance.

SECTION 804 - FIRE PROTECTION

804.1.1 Corridor Ratings;
1-Hour Fire Partition Provided.
804.2 Automatic Sprinkler Systems;
No Existing Sprinkler System.
No Proposed Sprinkler System.
804.2.1 Group B;
Entire Building is for County Use Agencies.
804.4 Fire Alarm and Detection;
Localized Fire Detection Provided.
No Existing Fire Alarm System.

SECTION 805 - MEANS OF EGRESS

805.3 Number of Exits; 2
805.4.1.1 Occupant Load and Travel Distance;
Total Occupant Load: 50 (356 SF at 7 P/IP)
Actual Travel Distance: 55'-4" (End of Corridor)
805.4.3 Door Swing; Door Closer Provided.
805.4.4 Panic Hardware; Not Required. Not Provided.
805.5 Openings in Corridor Walls; Not Applicable.
805.6 Dead-End Corridors; 33'
805.7 Means-Of-Egress Lighting; Provided.
806.8 Exit Signs; Provided.
805.9 Handrails; Not Applicable.
805.10 Refuge Areas; Not Applicable. Min. No. of Egress
Exits Provided.
805.11 Guards; Not Applicable.

SECTION 806 - ACCESSIBILITY

806.1 General; Accessibility Requirements
Shall Meet ANSI A117.1-2009.

SECTION 807 - STRUCTURAL

Not Applicable - Existing Structural Condition to
Remain. Non-Bearing Walls Only.

SECTION 808 - ELECTRICAL

See Electrical Drawings.

SECTION 809 - MECHANICAL

See Mechanical Drawings.

SECTION 810 - PLUMBING

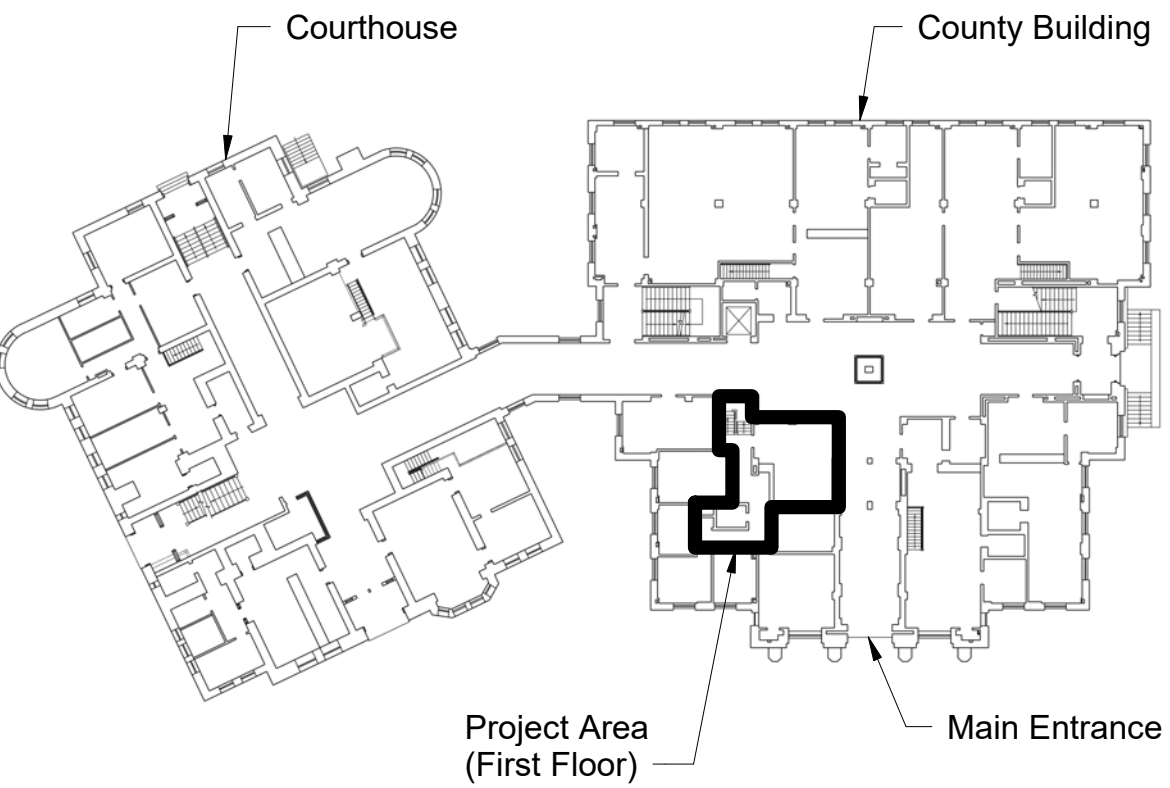
See Plumbing Drawings.

SECTION 811 - ENERGY CONSERVATION

811.1 Minimum Requirements; Exterior walls
Insulated.

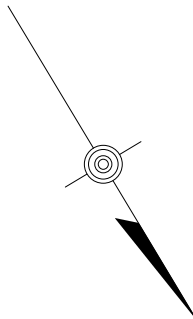
ABBREVIATIONS

@	At	HM	Hollow Metal
ACT	Acoustic Ceiling Tile	HR	Hour
A.F.F	Above Finished Floor	HVAC	Heating, Ventilating, and Air Conditioning
ALUM.	Aluminum	INSUL.	Insulation
ANOD	Anodized	INT	Interior
B/	Bottom of	LOD	List Of Drawings
CJ	Control Joint	MAX.	Maximum
CLG.	Ceiling	M.O.	Masonry Opening
CMU	Concrete Masonry Unit	MECH	Mechanical
COL	Column	MIN.	Minimum
COMPR	Compressible	MTL.	Metal
CONC	Concrete	N.I.C.	Not in Contact
CONT.	Continuous	NO.	Number
CPT	Carpet	N.T.S.	Not to Scale
C.T.	Ceramic Tile	O.C.	On Center
DEMO	Demolish or Demolition	OH	Opposite Hand
DIA.	Diameter	OZ.	Ounce
DIM	Dimension	PLUMB	Plumbing
DIMS	Dimensions	PLY WD	Plywood
DN	Down	PT	Pressure Treated
DR.	Door	PVC	Polyvinyl Chloride
DWG	Drawing	RCP	Reflected Ceiling Plan
EA.	Each	RD	Roof Drain
EIFS	Exterior Insulation Finish System	REQ'D	Required
EJ	Expansion Joint	R.O.	Rough Opening
ELEV	Elevation	SIM.	Similar
ELEC	Electrical	SPEC	Specified or Specification
EPDM	Ethylene Propylene Diene M-Class (Roofing)	STC	Sound Transmission Coefficient
EQ.	Equal	STL	Steel
EXIST.	Existing	STRUCT	Structure or Structural
FD	Floor Drain	T/	Top of
FE	Fire Extinguisher Cabinet	TELE	Telephone
FLR.	Floor	TLT	Toilet
FRT	Fire Rated / Pressure Treated	TYP.	Typical
FV	Field Verify	UNO	Unless Noted Otherwise
GA	Gauge	W/	With
GALV.	Galvanized	WD	Wood
GWB	Gypsum Wall Board		

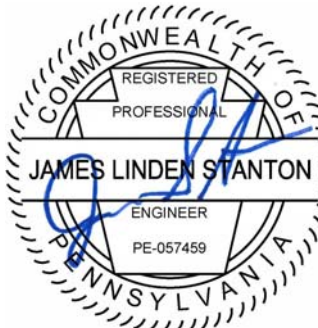


KEY MAP

1. Prime contractors to field verify all existing conditions. Prime contractors are responsible to review and complete set of construction documents to determine the full scope of demolition and reconstruction.
2. Demolition work includes removal of all existing construction, systems, equipment, furnishings, and site structures required to accomplish the intent of the construction documents and necessary to provide a fully finished and operational facility.
3. Do not scale drawings, mechanical, plumbing, and electrical drawings are schematic in nature. All dimensions and materials are to be verified in the field. All dimensions, floors and roofs shall be determined in the field through the coordination of all prime and sub contractors.
4. All materials scheduled to be removed and stored for reuse shall be carefully removed and stored by the contractor that will be reinstalling the material.
5. Coordinate demolition work with new work. Patch, repair and prepare disturbed areas to receive finish materials.
6. Field verify existing utility identification the existing building. See M.E.P. drawings. The contractor shall coordinate all demolition work with others prior to the removal of any material, equipment, etc. All electrical items shall be disconnected by E.C.; all plumbing items shall be disconnected by P.C.; All H.V.A.C items shall be disconnected by H.C.
7. Traffic and/or dust barriers are not to be used as asbestos containment barriers.
8. All asbestos containing materials to be removed by the contractor. All construction activity existing construction to remain that is damaged by demolition operations shall be restored to its original condition by the contractor causing the damage to the satisfaction of the design professional.
9. All asbestos containing materials to be removed by the asbestos abatement items as necessary to provide access for asbestos contractor.
10. Coordinate all demolition work with the phasing plans and construction schedule.
12. Remove all ceilings in the existing building to be renovated unless noted otherwise.
13. Remove all the existing floor coverings in the existing building and remove otherwise, including all glue, adhesive and residue. Shot Blast the existing slabs.



2. Remove all ceiling tile suspension, as identified on the plans.
3. Existing operational HVAC system to remain in place, suspend as needed during construction.
3. Remove existing non-operational HVAC equipment above the ceiling.
4. Remove all wood paneling walls furring strips, drywall, baseboard, floor to ceiling. Expose to existing wall stud framing. Note: Continue stripping walls as required to install new sound bat insulation within existing walls.
5. Remove all interior doors and hardware, as identified on the plans
6. Remove Doors and hardware, as identified on the plans. All doors and hardware are to be kept and returned to the Owner.
7. Remove all bathroom fixtures, as identified on the plans and cap off any plumbing as needed. All fixtures are to be kept and returned to the Owner.
8. Historic preservation, where there are any existing materials such as marble walls, and terrazzo flooring contractor shall preserve and protect during construction
9. Contractor shall construct temp walls to keep a dust free environment and to define the scope of work.
10. Contractor shall coordinate demolition schedule with the building manager to not disrupt the employees work day.



CONCLUSIONS

DEFINITION 1

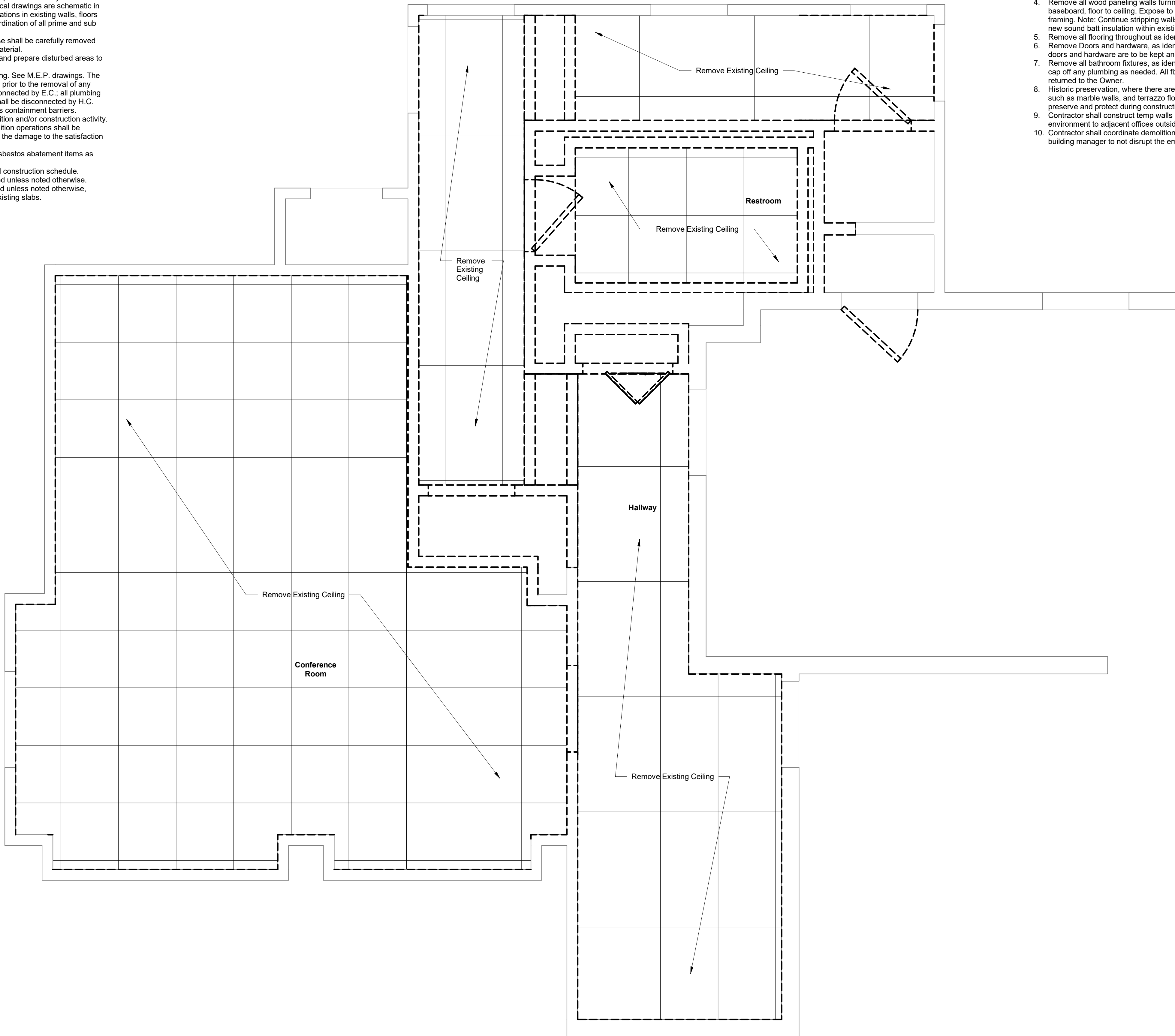
BOOK NO.		JOB NO.	
N/A		2020-105	
DRAWN		CHECKED	
RH	8/17/20	JS	8/17/20
DESIGN		APPROVED	
RH	8/17/20	TMJR	8/17/20

82-8717 Y. M. B. B.

A011

GENERAL DEMOLITION NOTES:

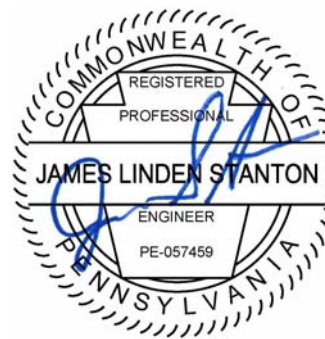
1. Prime contractors to field verify all existing conditions. Prime contractors are responsible to review and complete set of construction documents to determine the full scope of demolition required.
2. Demolition work includes removal of all existing construction, systems, equipment, furnishings, and site structures required to accomplish the intent of the construction documents and necessary to provide a fully finished and operational facility.
3. Do not scale drawings, mechanical, plumbing, and electrical drawings are schematic in nature. The extent of required demolition including penetrations in existing walls, floors and roofs shall be determined in the field through the coordination of all prime and sub contractors.
4. All material scheduled to be removed and stored for reuse shall be carefully removed and stored by the contractor that will be reinstalling the material.
5. Coordinate demolition work with new work. Patch, repair and prepare disturbed areas to receive finish materials.
6. Field verify existing utility lines entering the existing building. See M.E.P. drawings. The contractor shall coordinate all demolition work with others prior to the removal of any material, equipment, etc. All electrical items shall be disconnected by E.C.; all plumbing items shall be disconnected by P.C.; All H.V.A.C items shall be disconnected by H.C.
7. Traffic and/or dust barriers are not to be used as asbestos containment barriers.
8. Traffic and dust barriers to be installed prior to any demolition and/or construction activity.
9. Existing construction to remain that is damaged by demolition operations shall be restored to its original condition by the contractor causing the damage to the satisfaction of the design professional.
10. All asbestos containing materials to be removed by the asbestos abatement items as necessary to provide access for asbestos contractor.
11. Coordinate all demolition work with the phasing plans and construction schedule.
12. Remove all ceilings in the existing building to be renovated unless noted otherwise.
13. Remove all flooring in the existing building to be renovated unless noted otherwise, including all glue, adhesive and residue. Shot Blast the existing slabs.



Notes:

1. Remove all ceiling tile throughout, as identified on the plans.
2. Existing operational HVAC system to remain in place, suspend as needed during construction.
3. Remove existing non-operational HVAC equipment above the ceiling.
4. Remove all wood paneling walls furring strips, drywall, baseboard, floor to ceiling. Expose to existing wall stud framing. Note: Continue stripping walls as required to install new sound batt insulation within existing walls.
5. Remove all flooring throughout as identified on the plans
6. Remove Doors and hardware, as identified on the plans. All doors and hardware are to be kept and returned to the Owner.
7. Remove all bathroom fixtures, as identified on the plans and cap off any plumbing as needed. All fixtures are to be kept and returned to the Owner.
8. Historic preservation, where there are any existing materials such as marble walls, and terrazzo flooring contractor shall preserve and protect during construction
9. Contractor shall construct temp walls to keep a dust free environment to adjacent offices outside the scope of work.
10. Contractor shall coordinate demolition schedule with the building manager to not disrupt the employees work day.

REFLECTED CEILING PLAN
1/2" = 1'-0"



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CITY OF UNIONTOWN, FAYETTE COUNTY
PENNSYLVANIA

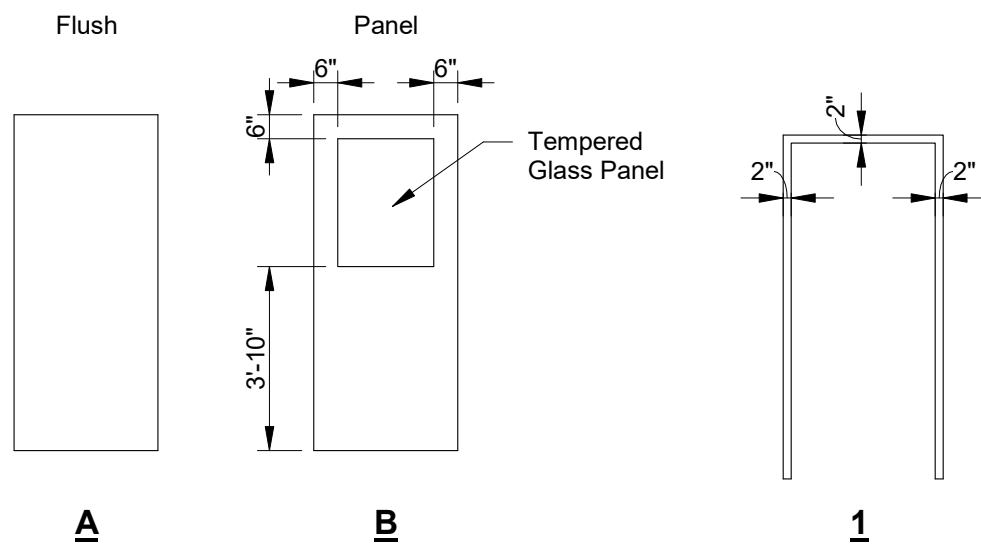
CEILING DEMOLITION PLAN					
BOOK NO.		JOB NO.			
N/A		2020-105			
DRAWN	8/17/20	CHECKED	JS	8/17/20	
DESIGN	8/17/20	APPROVED	TMJR	8/17/20	
SCALE					
As indicated					
SHEET NUMBER					
A012					

- The Prime Contractor shall Field Verify all Existing Conditions prior to start of Work, including all areas where Demolition and New Work are to be performed. Notify the Design Professional immediately of any variations and/or discrepancies of Existing Conditions.
- All Demolition Work shall be coordinated with New Work, and may exceed Work indicated or specified.
- The Prime Contractor shall be responsible for all repairing and patching to match of disturbed areas and surfaces where work was performed by their work forces, or as otherwise noted.
- The Prime Contractor shall repair and patch work of disturbed areas and surfaces to match existing surfaces in texture and appearance, also align abutting new and existing surfaces and provide a smooth and even transition.
- The Prime Contractor is responsible for the coordination of their Work for sizes and locations of all openings and penetrations in walls, partitions, floors, and roofs. The Prime Contractor shall be responsible for providing all necessary information and components.
- The Prime Contractor shall furnish temporary shoring and/or supports to ensure structural integrity of the Work.
- The Prime Contractor shall be responsible for the protection of all uncovered work and equipment both new and existing from the elements.
- When finished surfaces are cut and a smooth transition with new work is not possible, terminate existing surface along a straight line at a natural line of division. Contact the Design Professional for review prior to proceeding.
- Where the removal of partitions or walls results in adjacent spaces becoming one, rework floors, walls, and ceilings to a flat smooth plane without breaks, steps, and bulkheads.
- In the event of a conflict between Work on the Demolition Drawings and Work described on the Construction Drawings the Prime Contractor shall confirm with the Design Professional, the Scope of Demolition Work prior to the start of Demolition.
- All exposed metal surfaces shall be painted unless otherwise noted.
- The Prime Contractor is responsible for prepping surface to receive finish as part of their Work.
- The Contractor shall coordinate with the Owner and Design Professional the disposition of all existing material to be salvaged during Demolition Work.
- All floors having floor drains shall slope toward drains a maximum of 5% and a minimum of 2%.
- All fixtures, devices, electrical items, etc. shall be protected by the respective contractor during surface coating process. Remove device trim prior to coating and reinstall where possible.
- The Prime Contractor shall be responsible for fire staffing all openings and penetrations in fire rated partitions, walls and floors as part of their work, see Code Sheets and Floor Plans for location of fire rated construction.
- Substantial barriers shall be installed to segregate work area from occupants of the building. All substantial barriers shall have an access door lockable from outside of the construction area.
- Dust barriers may be used in lieu of substantial barriers where approved by the Owner and Design Professional.
- Any material that is to be removed and stored for reuse shall be removed and stored by the contractor that will be reinstalling the material.
- The Contractor shall be responsible for protecting, patching and repairing existing surfaces where are damaged, lifted, discolored or showing other imperfections.
- Provide transition strip between different flooring materials as specified.
- Refer to room finish schedule for interior window treatments.
- Refer to reflected ceiling plans for location of bulkheads, see ceiling details.
- Remove all fire extinguisher cabinets and patch to match opening recesses.
- All existing concrete floors to be shop blasted and receive cast Underlayment as preparation for new floor finished, refer to specs.
- All louvers supplied by HC, installed by GC.
- All wood blocking in fire rated partitions shall be fire retardant treated wood, and where shown on the drawings.
- Fill opening w/ material to match existing adjacent wall, prepare wall for new finish, waterproof walls below grade.
- Protect existing terrazzo floor with old carpet or other suitable covering.
- Patch and repair terrazzo to match existing at all new openings and revised adjacent surfaces.

Wall Legend

	Existing Wall - Install Batt Insulation and 5/8" Gypsum Board
	3 5/8" Metal Stud with Batt Insulation and 5/8" Gypsum Board on One Side
	3 5/8" Metal Stud with Batt Insulation and 5/8" Gypsum Board on Both Sides
	6" Metal Stud with Batt Insulation and 5/8" Gypsum Board on Both Sides

Door Schedule										
Doors							Frames			
Door Number	Fire Rating	Pair	Width	Height	Thickness	Door Type	Door Material	Frame Type	Frame Material	Hardware Set
A101.1			2' - 6"	7'-0"	1 3/4"	A	WD	1	HM	2
A102.1			2' - 0"	7'-0"	1 3/4"	A	WD	1	HM	
A103.1			3' - 0"	7'-0"	1 3/4"	B	WD	1	HM	2



DOOR SCHEDULE LEGEND

- HM Hollow Metal
ST Steel
WD Wood
- PR Pair of Doors
- 1/2 HR 30 Minute (Half-Hour) Rated
1 HR One Hour Rated
2 HR Two Hour Rated
- Existing Door. No Scheduled Work.
 - Insulated Door (STC).
 - (2) 3'-0" Wide Door Panels.

Hardware Specifier Notes

- A. Nickel Plated Finish.
B. Passage Set
C. Passage Set with Keyed Dead Bolt.
a. Falcon Dane Combo.
D. Privacy Lock Set.
E. Closer.
F. Mop Plate.
G. Sliding Closet Door with ADA Approved Hardware.

Room Finish Schedule							
Room No.	Name	Floor	Base	North	East	South	West
A101	Conference Room	F5	B1	W2	W2	W2	W2
A102	Restroom	F2	B2	W1/W3	W1/W3	W1/W3	W1/W3
A103	Hallway	F5	B1	W1	W1	W1	W1

ROOM FINISH LEGEND

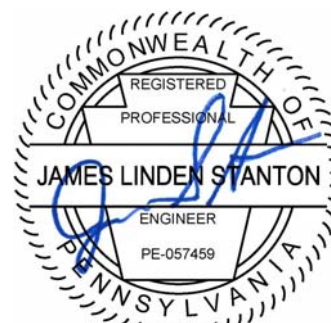
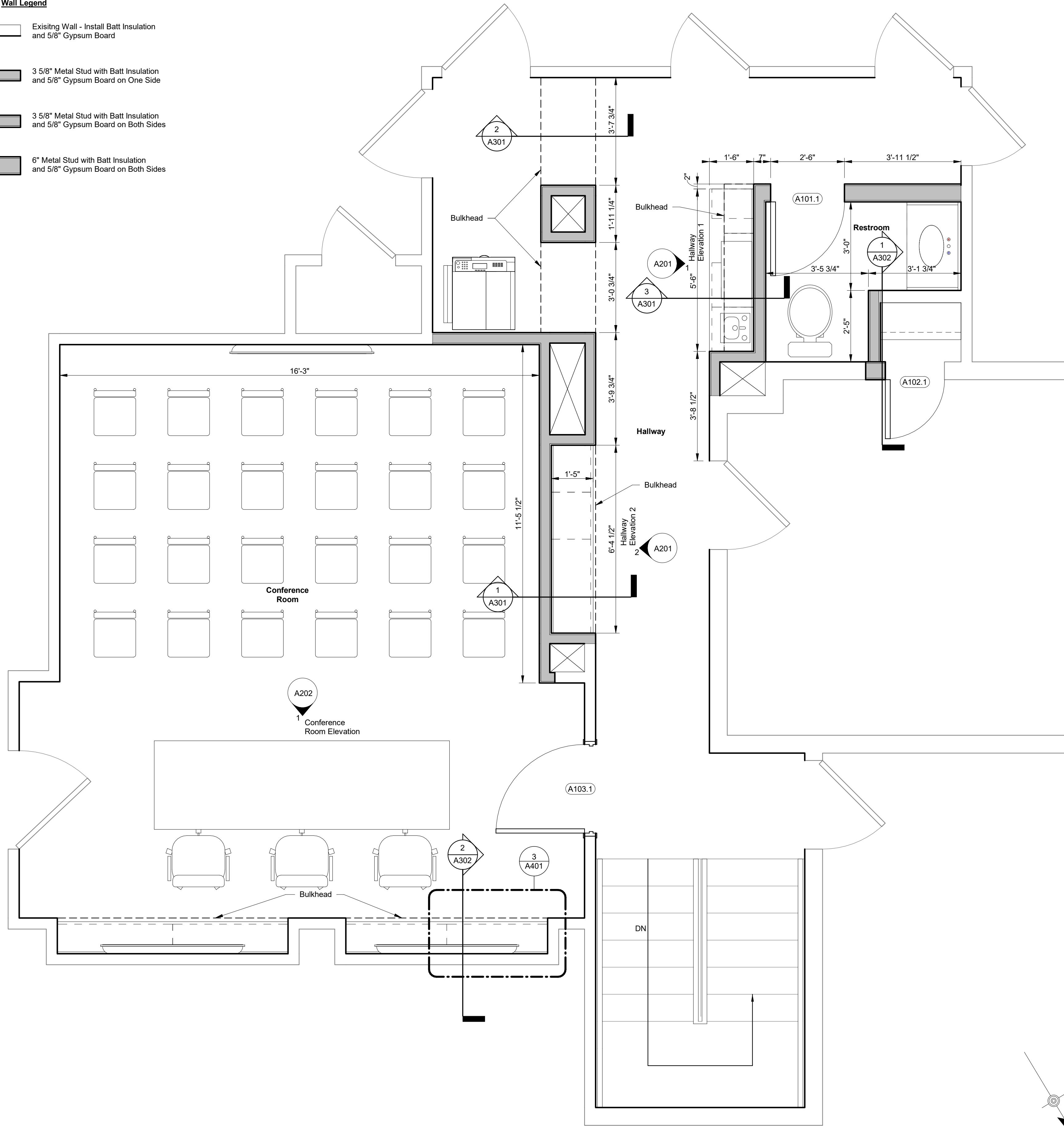
FLOOR:
F1 - Carpet (Tile)
F2 - LCT
F3 - Unfinished
F4 - Existing, No Scheduled Work.
F5 - Laminated Wood

BASE:
B1 - 4" Wall Base
B2 - Ceramic Tile Covebase.
B3 - Existing to Remain, No Scheduled Work.

WALLS:
W1 - Painted Wallboard.
W2 - Painted Wallboard with Chair Rail.
W3 - Ceramic Tile.
W4 - Existing to Remain, No Scheduled Work.

COMMENTS
1. Provide ceramic tile wainscot at 48" above finished floor.

FIRST FLOOR PLAN
1/2" = 1'-0"



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NO.	DESCRIPTION	DATE

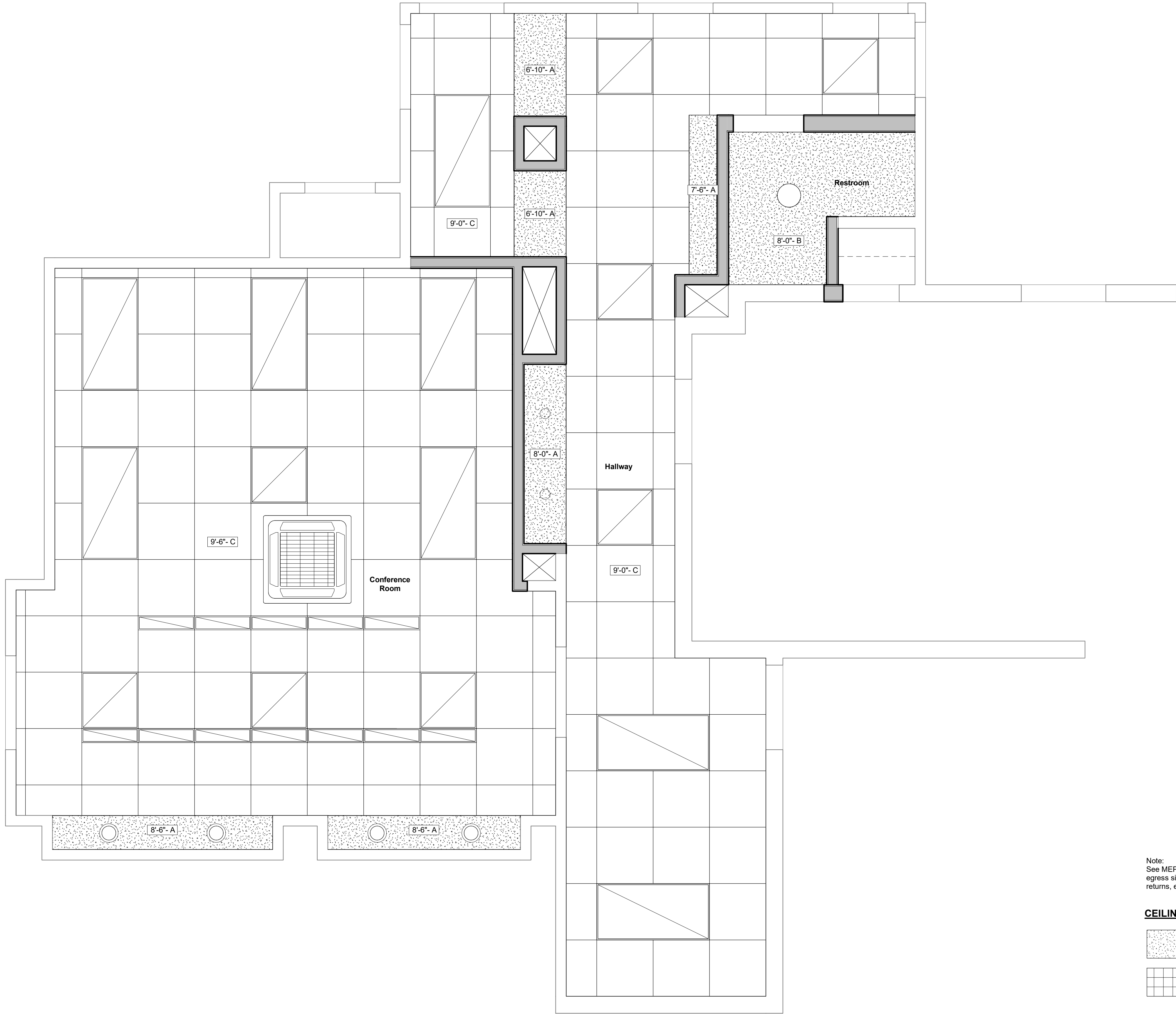
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FLOOR PLAN

ROOM NO.	N/A	JOB NO.	2020-105
DRAWN	RH	CHECKED	JS
DESIGN	RH	APPROVED	TMJR
SCALE	As indicated		

SHEET NUMBER

A111

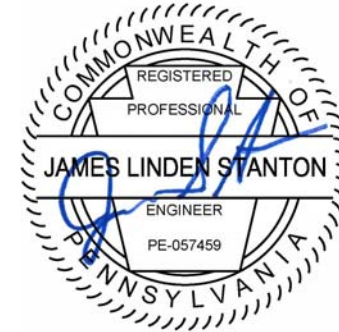


Note:
See MEP's for lighting, fire protection,
egress signage, HVAC supply and
returns, etc.

CEILING LEGEND

- A: Gypsum Wall Board
B: MR Gypsum Wall Board
C: 2'x2' A.C.T.

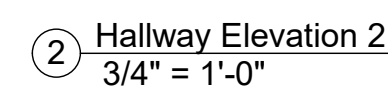
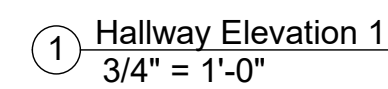
REFLECTED CEILING PLAN
1/2" = 1'-0"

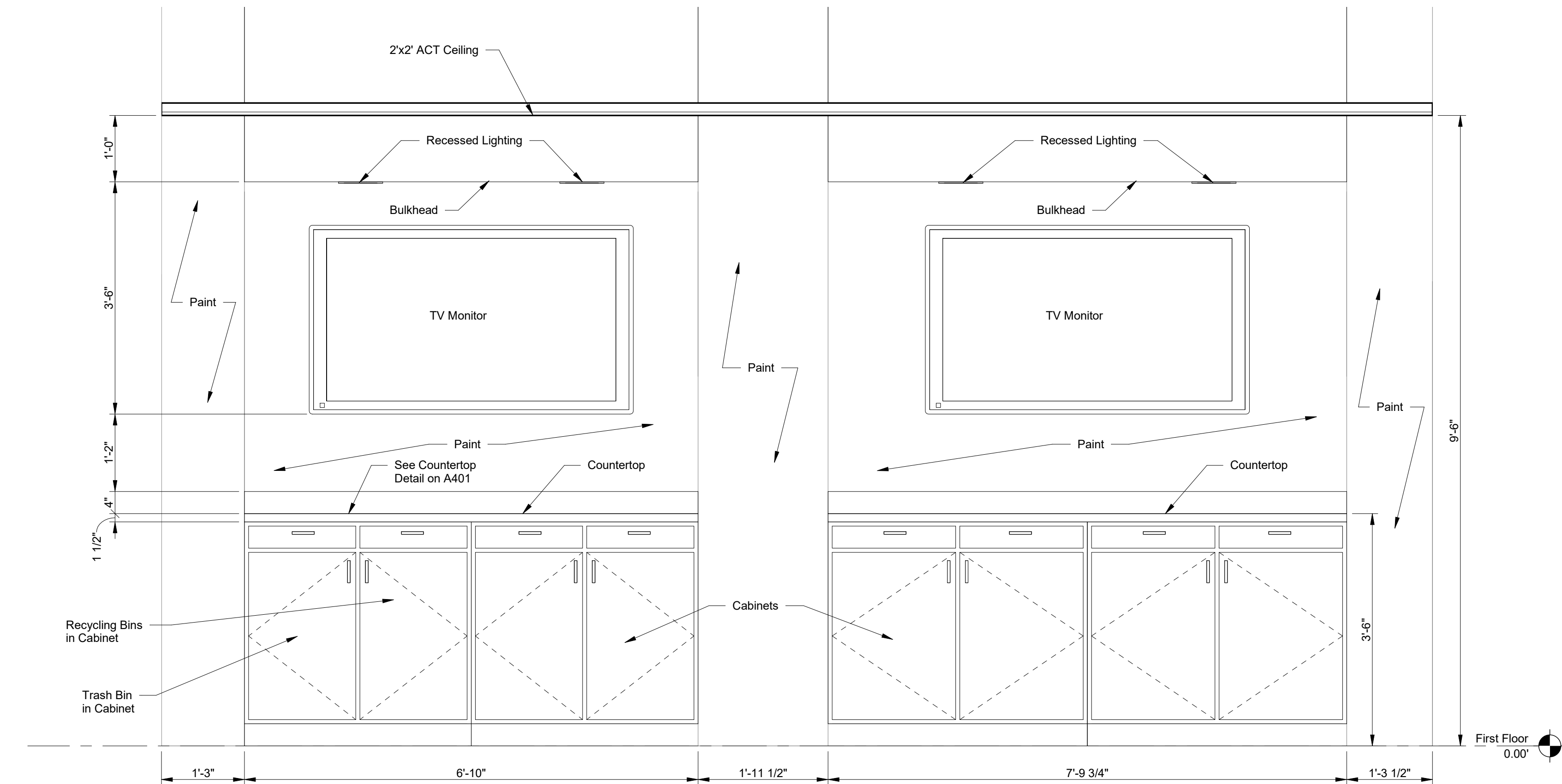


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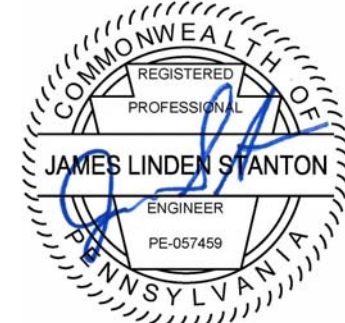
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RH		JS	
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RH		TMJR	
SCALE			
As indicated			





① Conference Room Elevation
3/4" = 1'-0"

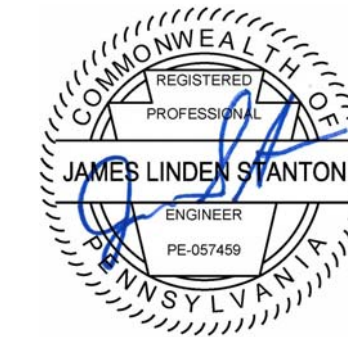
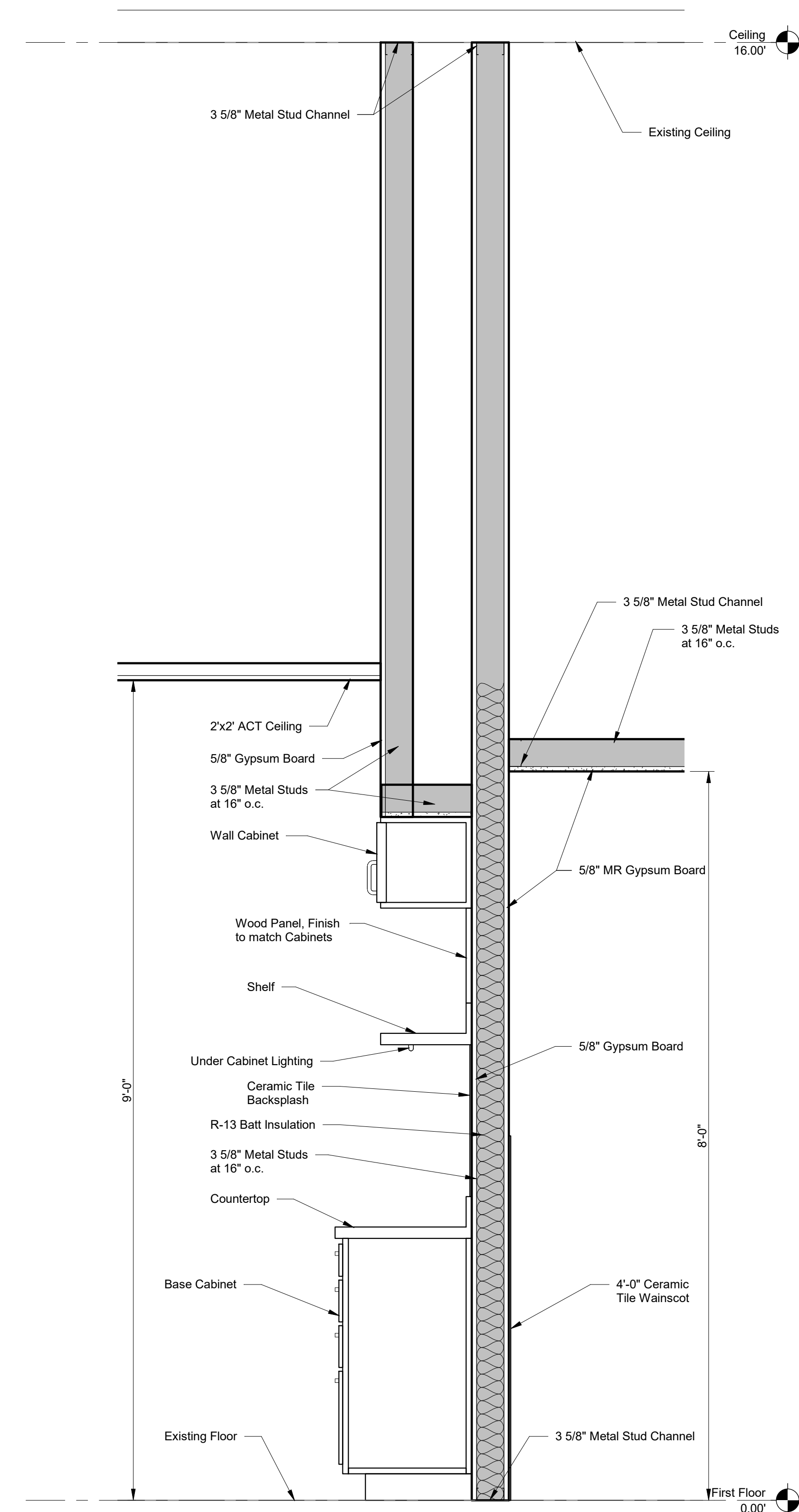
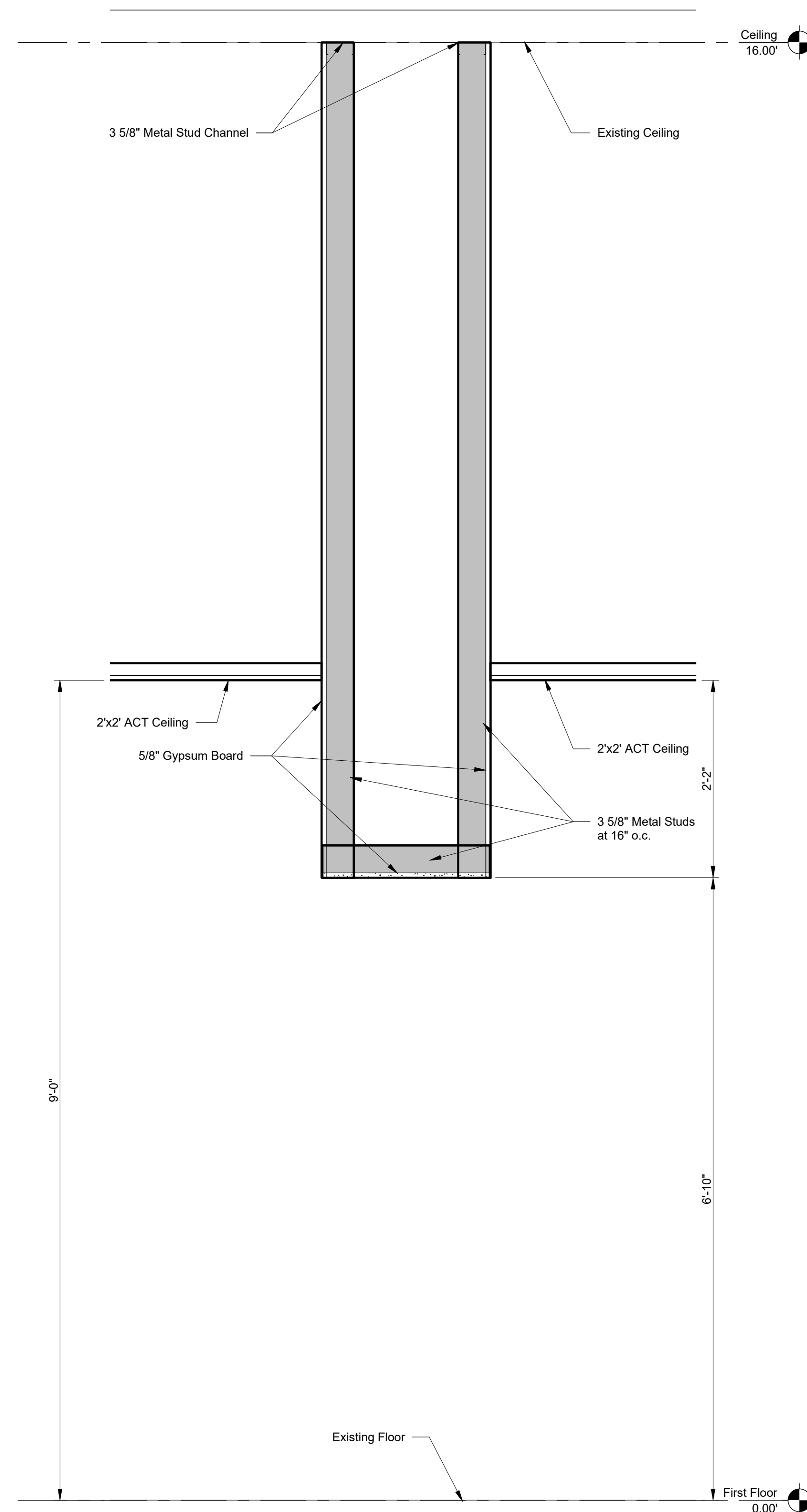
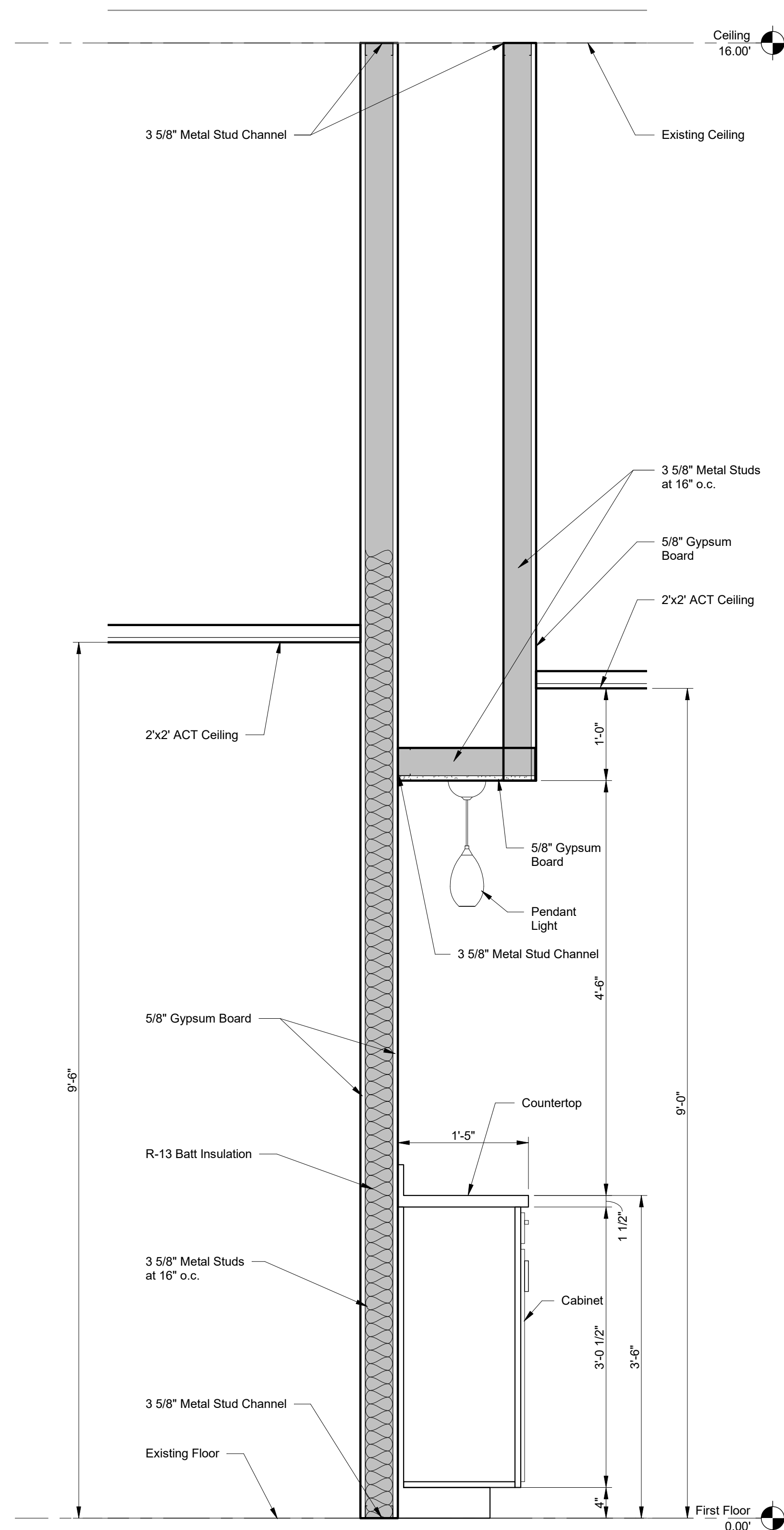


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INTERIOR ELEVATIONS

BOOK NO.	N/A	JOB NO.	2020-105
DRAWN	RH 8/17/20	CHECKED	JS 8/17/20
DESIGN	RH 8/17/20	APPROVED	TMJR 8/17/20
SCALE 3/4" = 1'-0"			
SHEET NUMBER A202			



REVISIONS			
NO.	DESCRIPTION	DATE	BY

P/E

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FAYETTE COUNTY COURTHOUSE

CONFERENCE ROOM EXPANSION

PREPARED FOR

FAYETTE COUNTY BOARD OF

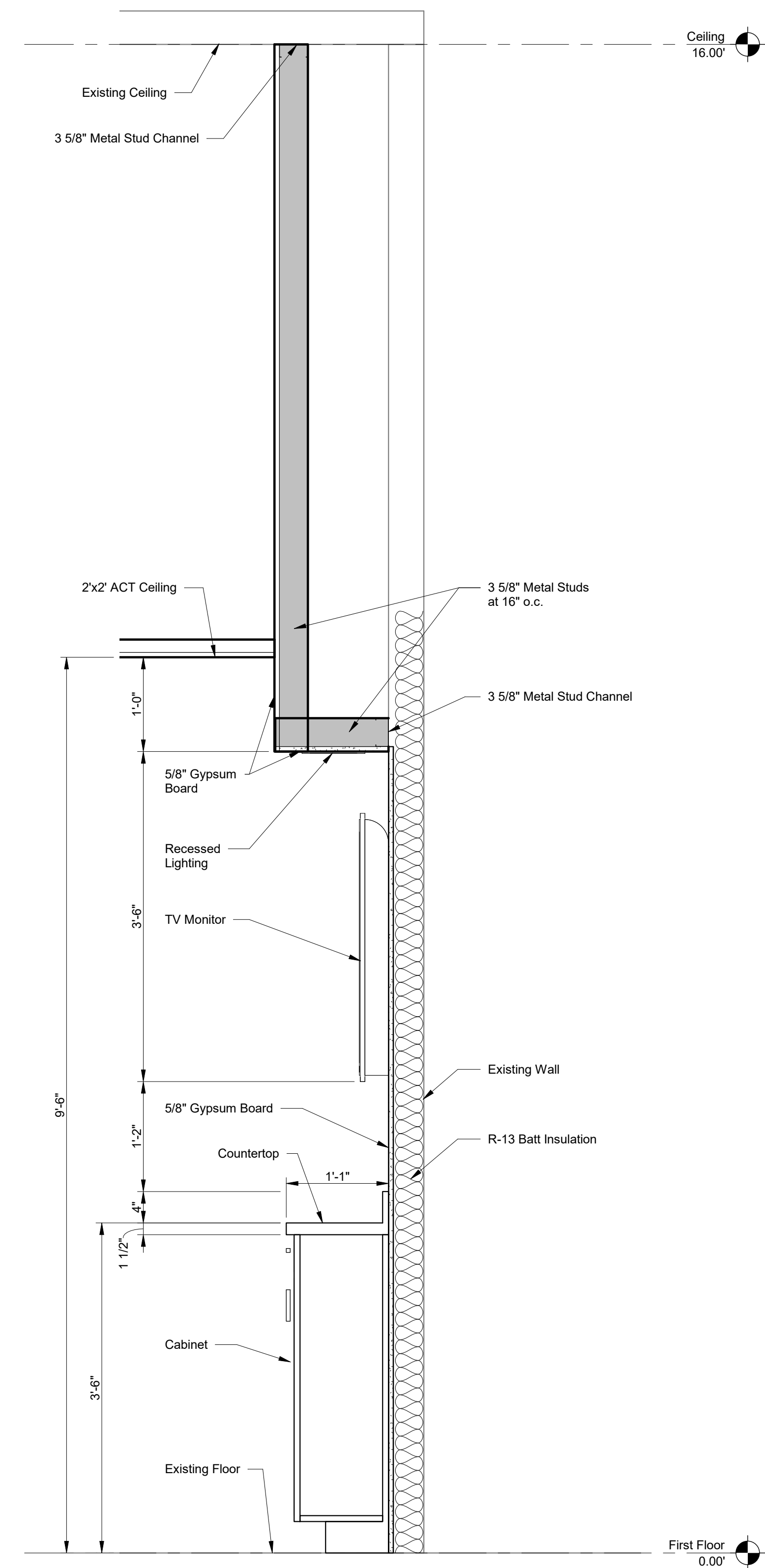
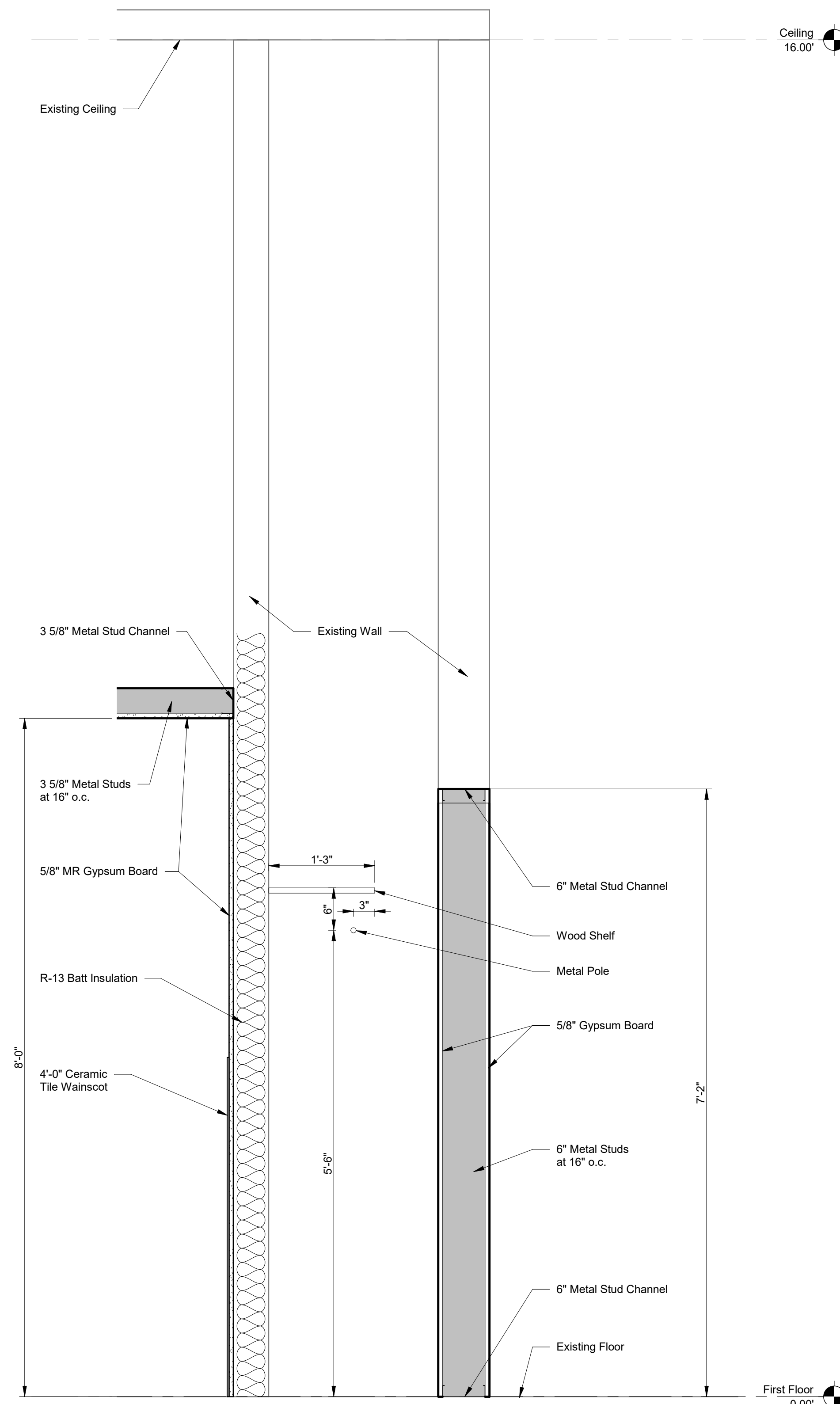
COMMISSIONERS

CITY OF UNIONTOWN, FAYETTE COUNTY

PENNSYLVANIA

SECTIONS

BOOK NO.		JOB NO.	
N/A		2020-105	
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RH	8/17/20	JS	8/17/20
DESIGN		APPROVED	
RH	8/17/20	TMJR	8/17/20



REVISIONS			
NO.	DESCRIPTION	DATE	BY
FILE			C:\2020\2020-195\Flooring\2020-195 Floor Plan.rvt

FAYETTE COUNTY COURTHOUSE

CONFERENCE ROOM EXPANSION

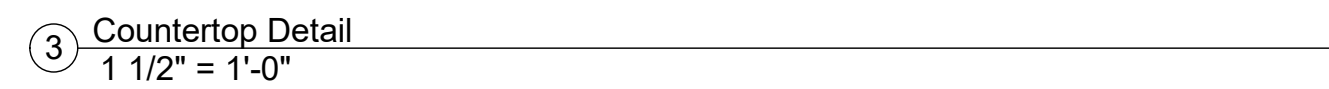
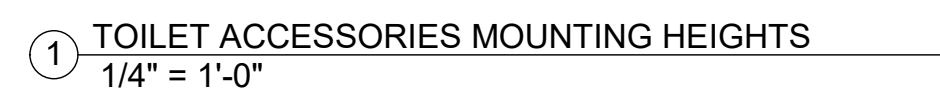
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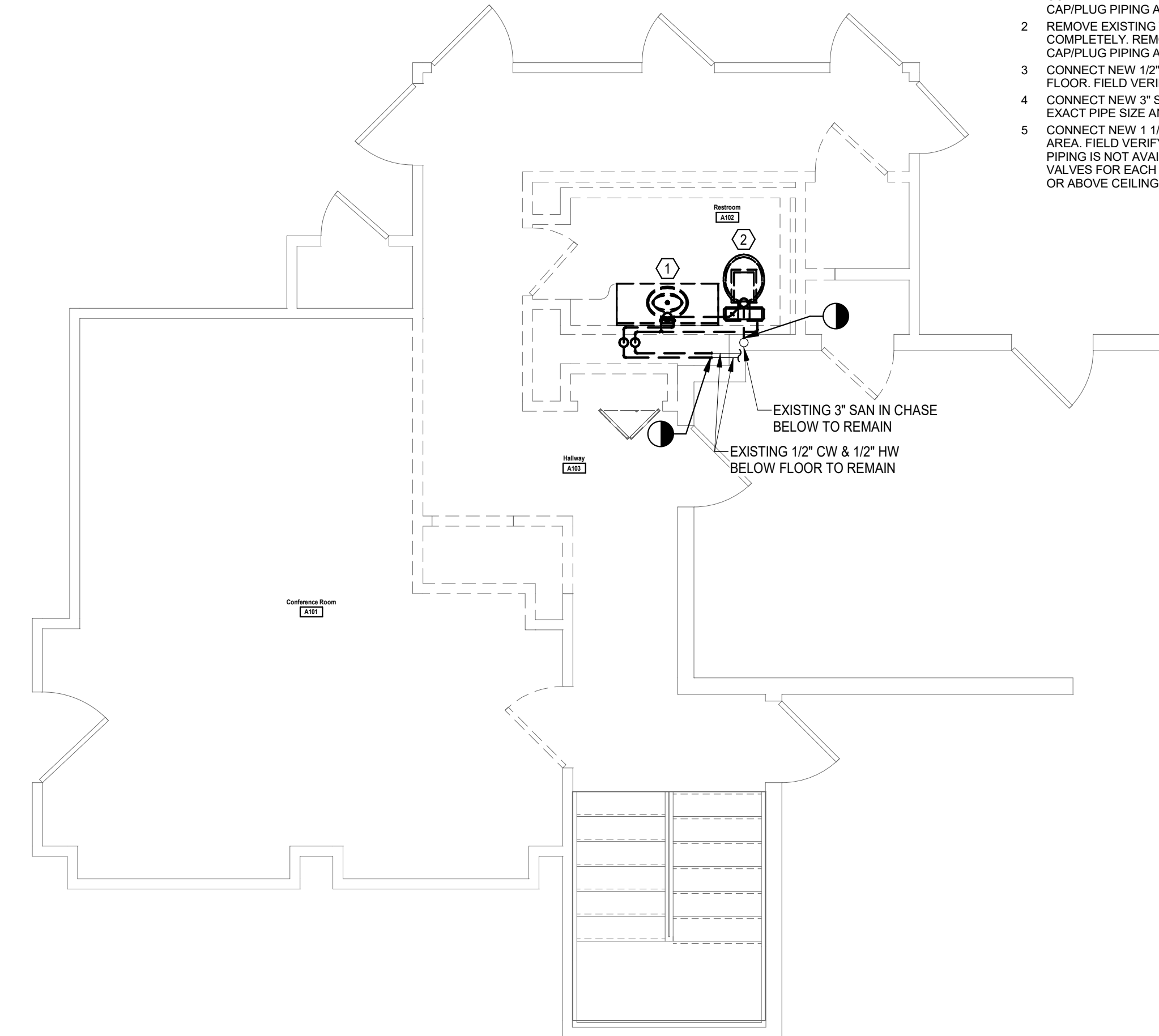
SECTIONS

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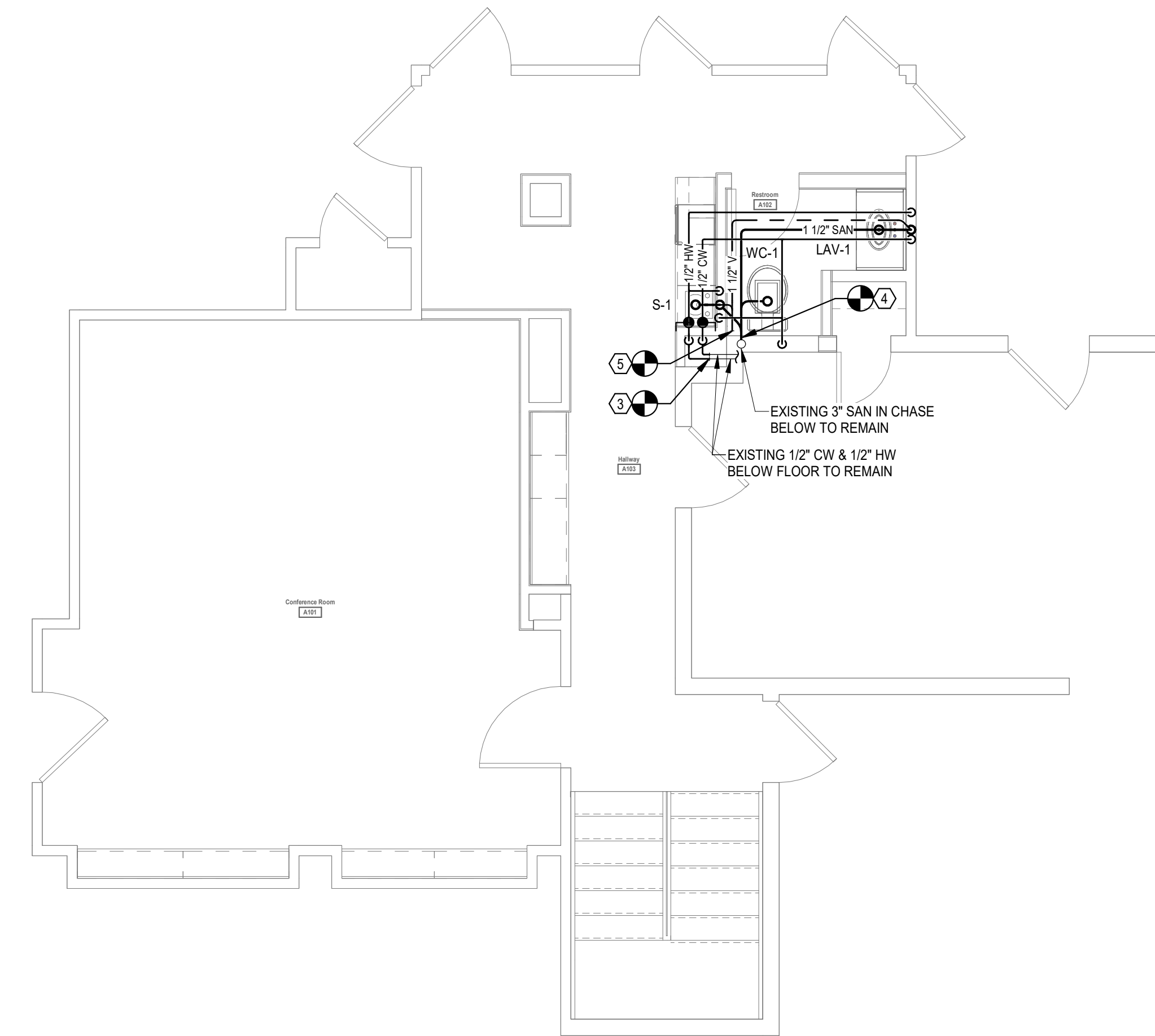


REVISIONS			
NO.	DESCRIPTION	DATE	BY
			FILE
0-32926200-1008(Engineering)000-100 Peer Review			

BOOK NO.		JOB NO.	
N/A		2020-105	
DRAWN		CHECKED	
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DESIGN		APPROVED	
RH	8/17/20	TMJR	8/17/20



1 PARTIAL FIRST FLOOR PLAN - PLUMBING DEMOLITION
1/4" = 1'-0"



2 PARTIAL FIRST FLOOR PLAN - PLUMBING
1/4" = 1'-0"

CODED NOTES SHEET P100

- 1 REMOVE EXISTING LAVATORY, FAUCET, VALVES AND ACCESSORIES COMPLETELY. REMOVE ALL RELATED PIPING BACK TO POINT SHOWN AND CAP/PLUG PIPING AS NECESSARY.
- 2 REMOVE EXISTING WATER CLOSET, VALVES AND ACCESSORIES COMPLETELY. REMOVE ALL RELATED PIPING BACK TO POINT SHOWN AND CAP/PLUG PIPING AS NECESSARY.
- 3 CONNECT NEW 1/2" CW AND 1/2" HW TO EXISTING CW & HW PIPING BELOW FLOOR. FIELD VERIFY EXACT PIPE SIZES AND LOCATIONS.
- 4 CONNECT NEW 3" SAN TO EXISTING SAN IN CHASE BELOW. FIELD VERIFY EXACT PIPE SIZE AND LOCATION.
- 5 CONNECT NEW 1 1/2" VENT TO EXISTING VENT ABOVE CEILING IN THIS AREA. FIELD VERIFY EXACT PIPE SIZE AND LOCATION. IF EXISTING VENT PIPING IS NOT AVAILABLE WITHIN THIS AREA, PROVIDE AIR ADMITTANCE VALVES FOR EACH FIXTURE IN AN ACCESSIBLE LOCATION WITHIN WALLS OR ABOVE CEILINGS.

FIXTURE CONNECTION SCHEDULE

TAG NO.	CW	HW	TRAP	VENT	REMARKS
WC-1	1/2"	----	3"	1 1/2"	STANDARD HEIGHT - FLOOR MOUNTED - TANK TYPE
LAV-1	1/2"	1/2"	1 1/2"	1 1/2"	STANDARD HEIGHT - COUNTERTOP - AUTOMATIC FAUCET & TRIM ONLY
S-1	1/2"	1/2"	1 1/2"	1 1/2"	STANDARD HEIGHT - DROP-IN - SINGLE BOWL

PLUMBING ABBREVIATIONS

ABV	ABOVE	LAV	LAVATORY
AFF	ABOVE FINISHED FLOOR	MB	MOP BASIN
AP	ACCESS PANEL	MAX	MAXIMUM
BFP	BACKFLOW PREVENTER	MIN	MINIMUM
CLG	CEILING	NC	NORMALLY CLOSED
CO	CLEANOUT	NIPC	NOT IN PLUMBING CONTRACT
CONN	CONNECT, CONNECTION	NO	NORMALLY OPEN
CONT	CONTINUED, CONTINUATION	OD	OUTSIDE DIAMETER
CW	COLD WATER	PC	PLUMBING CONTRACTOR
DF	DRINKING FOUNTAIN	PRESS	PRESSURE
DIA	DIAMETER	PRV	PRESSURE REDUCING VALVE
DWG	DRAWING	PVC	POLYVINYL CHLORIDE
EA	EACH	PSI	POUNDS PER SQUARE INCH
EC	ELECTRICAL CONTRACTOR	S	SINK
ELEV	ELEVATOR, ELEVATION	SAN	SANITARY
EWC	ELECTRIC WATER COOLER	SPEC	SPECIFICATION
EXIST	EXISTING	SS	SERVICE SINK
°F	DEGREES FAHRENHEIT	ΔT	TEMPERATURE DIFFERENTIAL
FD	FLOOR DRAIN	TEMP	TEMPERATURE
FFA	FROM FLOOR ABOVE	TW	TEMPERED WATER
FFB	FROM FLOOR BELOW	TYP	TYPICAL
FT	FEET/FOOT	V	VENT
GC	GENERAL CONTRACTOR	VTR	VENT THRU ROOF
GPH	GALLONS PER HOUR	W	WASTE
GPM	GALLONS PER MINUTE	WC	WATER CLOSET
HB	HOSE BIBB	WHA	WATER HAMMER ARRESTOR
HC	HVAC CONTRACTOR	X	EXISTING
HP	HORSEPOWER		
HW	DOMESTIC HOT WATER		
HR	DOMESTIC HOT WATER RETURN		

PLUMBING LEGEND

	BALL VALVE		BREAK/CONTINUATION
	GATE VALVE		FLOW DIRECTION
	CHECK VALVE		WATER HAMMER ARRESTOR
	HOSE BIBB		FLOOR DRAIN
	UNION		DEMOLITION LIMIT
	DROP/RISE		POINT OF CONNECTION
	CAP		CODED NOTE
	CLEANOUT VERTICAL/HORIZONTAL		

PLUMBING PIPE LEGEND

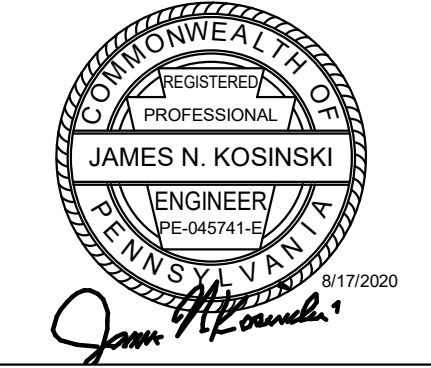
	EXISTING PIPING
	DEMOLISHED PIPING
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RETURN
	DOMESTIC HOT WATER 140"
	DOMESTIC HOT WATER RETURN 140"
	TEMPERED WATER
	SANITARY PIPING
	VENT PIPING

PLUMBING GENERAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY FITTINGS AS REQUIRED BY ALL APPLICABLE CODES AND GOVERNING AUTHORITIES.
- THE CONTRACTOR SHALL VERIFY AND CORRECT, AS REQUIRED TO MEET ALL CODES AND REGULATIONS, ANY AND ALL POSSIBLE DISCREPANCIES BETWEEN TYPE AND SIZE OF CONNECTIONS SPECIFIED IN THE PLUMBING FIXTURE SCHEDULES AND FIXTURES ACTUALLY INSTALLED.
- VALVES AND FITTING SHALL BE OF THE SAME SIZE AS THE PIPING OF WHICH THEY ARE INSTALLED.
- THE DRAWINGS ARE DIAGRAMMATIC. THE CONTRACTOR SHALL VERIFY ACTUAL CONDITIONS AT THE SITE PRIOR TO ANY INSTALLATION.
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS.
- CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS PRIOR TO LAYING AND CONNECTING ALL SANITARY AND WASTE PIPING AND SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- INSTALL WATER HAMMER ARRESTORS ON HOT AND COLD WATER PIPING TO EACH FIXTURE OR BATTERY OF FIXTURES. ARRESTORS SHALL BE FACTORY FABRICATED, SIZED AND PLACED IN ACCORDANCE WITH PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I. WH-201. INSTALL WATER HAMMER ARRESTORS IN AN ACCESSIBLE LOCATION.
- AIR CHAMBERS SHALL NOT BE CONSIDERED AN EQUAL TO WATER HAMMER ARRESTORS.
- ALL PIPING SHALL BE INSTALLED AS CLOSE TO DRAWINGS AS POSSIBLE WITH NO CHANGES IN SIZING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORTING DEVICES FOR ALL FIXTURES INCLUDED IN THE CONTRACT DRAWINGS AND AS SPECIFIED.
- CONTRACTOR SHALL GIVE SUITABLE NOTICE TO ALL APPLICABLE UTILITY COMPANIES AND OWNER PRIOR TO PERFORMING WORK INVOLVING UTILITIES.
- ALL PIPING SHALL BE ROUTED CONCEALED ABOVE CEILINGS, WITHIN WALLS OR IN CHASES EXCEPT FINAL CONNECTIONS TO FIXTURES, OR IN MECHANICAL ROOMS AND AS SPECIFICALLY NOTED OTHERWISE.
- PROVIDE ACCESS PANELS FOR ALL VALVES WITHIN CHASES OR ABOVE NON- ACCESSIBLE CEILINGS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT PLUMBING FIXTURE LOCATIONS, MOUNTING HEIGHTS AND DIMENSIONS.
- PRIOR TO THE INSTALLATION OF NEW SEWER PIPING, THE CONTRACTOR SHALL VERIFY EXACT INVERT ELEVATIONS OF THE EXISTING SEWERS TO WHICH NEW SEWER PIPING IS TO BE CONNECTED.
- ALL VENTS THROUGH ROOF SHALL BE A MINIMUM OF FIFTEEN (15) FEET FROM MECHANICAL ROOFTOP AIR INTAKES.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS (INCLUDING PIPE ROUTING AND EQUIPMENT LOCATIONS) TO ARCHITECT/ENGINEER FOR REVIEW PRIOR TO THE INSTALLATION OR PURCHASING OF ANY PIPING AND/OR EQUIPMENT.
- THE CONTRACTOR SHALL BASE HIS/HER PROPOSAL UPON THE EQUIPMENT, FIXTURES, ETC. SCHEDULED OR SPECIFIED, USING THE MANUFACTURERS AND MODEL NUMBERS AS CALLED FOR IN THE SPECIFICATIONS AND SCHEDULED ON THE DRAWINGS. IF MORE THAN ONE MANUFACTURER IS SPECIFIED, ANY ONE OF THE MANUFACTURERS MAY BE USED IN THE PROPOSAL. IF THE CONTRACTOR WISHES TO USE EQUIPMENT, FIXTURES, ETC. NOT SPECIFIED, HE MUST SUBMIT ON LETTERHEAD STATIONERY, THE EQUIPMENT, FIXTURES, ETC. SUBSTITUTED AND RECEIVE ARCHITECT/ENGINEER APPROVAL 10 DAYS BEFORE THE BID IS DUE.
- THE CONTRACTOR SHALL ORDER ALL MATERIALS IN SUFFICIENT TIME TO AVOID DELAYING THE COMPLETION OF THE PROJECT. DELAY IN DELIVERIES WILL NOT BE CONSIDERED A JUSTIFIABLE REASON FOR SUBMISSION OF SUBSTITUTE MATERIALS.
- PIPING SHALL NOT PENETRATE ANY WALL FOOTINGS, COORDINATE WITH GENERAL CONTRACTOR TO DROP FOOTINGS AS REQUIRED TO CLEAR PLUMBING SERVICES WHERE ABSOLUTELY NECESSARY. PIPING PENETRATING A BEARING WALL OR FOOTING MUST BE SLEEVED AND THE LOCATION BE APPROVED BY THE STRUCTURAL ENGINEER.
- EXPOSED PIPING IN FINISHED SPACES SHALL BE CHROME PLATED.
- DOMESTIC WATER AND VENT PIPING IS ABOVE THE CEILING UNLESS OTHERWISE NOTED.
- MINIMUM SIZE FOR SANITARY PIPING BELOW GRADE IS 4" DIAMETER
- SANITARY AND WASTE PIPING IS BELOW THE FLOOR UNLESS OTHERWISE NOTED.
- PROVIDE SLEEVES AND FIRE STOP SEALANTS AT ALL PIPE PENETRATIONS THROUGH FIRE RATED FLOORS AND WALLS. COMPLY WITH ASTM E-814 AND UL 1479.

PLUMBING DEMOLITION NOTES

- COORDINATE DEMOLITION WORK WITH OTHER TRADES AND EXISTING CONDITIONS.
- THE DRAWINGS ARE DIAGRAMMATIC. VERIFY ACTUAL CONDITIONS AT THE SITE BEFORE PROCEEDING WITH WORK.
- OWNER RETAINS THE RIGHTS TO ALL ITEMS AND EQUIPMENT SCHEDULED FOR REMOVAL.
- COORDINATE STAGING OF DEMOLITION AND NEW CONSTRUCTION TO AVOID INTERRUPTION OF BUILDING UTILITIES AND SERVICES.
- DISCONNECT AND REMOVE FIXTURES, PIPING, AND EQUIPMENT TO ACCOMPLISH DEMOLITION SHOWN. SALVAGED ITEMS NOT SCHEDULED FOR REUSE AT TO BE TURNED OVER TO THE OWNER.
- COORDINATE DEMOLITION DRAWINGS WITH FLOOR PLANS FOR CONNECTION LOCATIONS OF NEW WORK WITH EXISTING SYSTEMS.
- FIXTURES, PIPING AND EQUIPMENT WITHIN THE CONSTRUCTION AREAS THAT ARE NOT AFFECTED BY THE WORK OF THIS CONTRACT SHALL BE PROTECTED PRIOR TO COMMENCEMENT AND UNTIL THE COMPLETION OF THE WORK.
- PROTECT (OR REMOVE AND STORE) EXISTING FIXTURES, FITTINGS, AND EQUIPMENT TO BE REUSED OR RELOCATED THROUGH OUT ALL STAGES OF DEMOLITION AND CONSTRUCTION. REINSTALL AS INDICATED ON FLOOR PLANS.
- REFER TO CODED NOTES FOR ADDITIONAL INFORMATION FOR DEMOLITION WORK.



REVISIONS	NO.	DESCRIPTION	DATE	BY

FAYETTE COUNTY COURTHOUSE
CONFERENCE ROOM EXPANSION
PREPARED FOR
FAYETTE COUNTY BOARD OF COMMISSIONERS
CITY OF UNIONTOWN, FAYETTE COUNTY
PENNSYLVANIA

PARTIAL FIRST FLOOR PLANS
PLUMBING

DESIGN	8/17/20	CHECKED	8/17/20
APPROVED	8/17/20	APPROVED	8/17/20

As indicated

SHEET NUMBER

P100

ELECTRICAL SYMBOL LEGEND

ELECTRICAL GENERAL NOTES

- A. BRANCH CIRCUITING:**
- ALL ELECTRICAL DEVICES HAVE BRANCH CIRCUIT NUMBERS AND PANELS INDICATED ADJACENT TO THE POWER CONNECTION SYMBOL ON THE PLANS. ALTHOUGH THE INTERCONNECTING BRANCH CIRCUITING IS NOT SHOWN, THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL WIRE AND CONDUIT REQUIRED FOR A COMPLETE AND OPERATION POWER DISTRIBUTION SYSTEM.
 - UNLESS NOTED OTHERWISE ON THE DRAWINGS, ALL BRANCH CIRCUITING SHALL BE INSTALLED CONCEALED IN EMT, 3/4" MINIMUM.
 - ALL CONDUIT SHALL BE 3/4" EMT, UNLESS NOTED OTHERWISE ON THE DRAWINGS. THE FOLLOWING EXCEPTIONS ALSO APPLY:
 - MAXIMUM CONDUIT SIZE IN CONCRETE SLABS SHALL BE 1" PVC.
 - ALL BRANCH CIRCUIT WIRING SHALL BE #12AWG THHN COPPER, UNLESS NOTED OTHERWISE ON THE DRAWINGS. THE FOLLOWING EXCEPTIONS APPLY:
 - FOR BRANCH CIRCUIT WIRING TO LED LAMPED LIGHT FIXTURES (2-#12, 1-#12GRD), TO ALL LIGHT FIXTURES IN MC CABLE WITH TWO CONDUCTORS FOR 0-10 VOLT CONTROL, ORIGINATING AT RELAY PACK, UNO. CIRCUITING SHALL BE AFO CABLE SYSTEMS MC LUMINARY CABLE TYPE MC-PCS (12-2 BLACK, WHITE, GREEN WITH 16-2 PURPLE AND GRAY) OR APPROVED EQUIVALENT. WHERE DISTANCE EXCEEDS 100', PROVIDE #10 CONDUCTORS.
 - THE MAXIMUM NUMBER OF CURRENT CARRYING WIRING (DOES NOT INCLUDE GROUND WIRE) IN ANY ONE CONDUIT SHALL NOT EXCEED SIX (6), UNLESS NOTED OTHERWISE ON THE DRAWINGS. THE FOLLOWING EXCEPTIONS APPLY:
 - CONDUIT RUNS TO WALL SWITCHES.
 - GROUNDINGS:**
 - PROVIDE A SEPARATE INSULATED GROUND WIRE IN EACH CONDUIT RUN. MINIMUM WIRE SIZE SHALL BE #12AWG. GROUND WIRE IS TYPICALLY NOT SHOWN.
 - LOCATION OF ALL EQUIPMENT AND DEVICES:**
 - OBTAIN WRITTEN APPROVAL OF LOCATIONS OF ALL ELECTRICAL DEVICES FROM THE OWNER AND THE ARCHITECT PRIOR TO ROUGH-IN. THE OWNER RESERVES THE RIGHT TO MOVE ANY OR ALL ELECTRICAL DEVICES PRIOR TO ROUGH-IN AT NO ADDITIONAL COST.
 - COORDINATE THE LOCATION AND SERVICE REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH THE RESPECTIVE CONTRACTORS. INFORM THE ARCHITECT OF ANY CONFLICTS IMMEDIATELY.
 - THE ELECTRICAL CONTRACTOR SHALL CHECK ALL ARCHITECTURAL AND PLUMBING DRAWINGS FOR THE LOCATION OF SINKS. RECEPTACLES SHALL BE LOCATED A MINIMUM OF 1'-0" FROM THE EDGE OF ANY SINK. EVEN IF SHOWN CLOSER TO THE SINK ON THE ELECTRICAL DRAWINGS.
 - EQUIPMENT LABELING:**
 - PROVIDE NAMEPLATE LABELS ON ALL ELECTRICAL DISTRIBUTION EQUIPMENT IN ACCORDANCE WITH DETAILS 4/E000.
 - LIGHTING FIXTURE SCHEDULE:**
 - REFERENCE SPECIFICATION SECTIONS 265100 (INTERIOR LIGHTING) FOR DETAILED LAMP, DRIVER AND FIXTURE SPECIFICATIONS.
 - BID PRICES SHALL BE BASED ON INFORMATION IN ALL COLUMNS. WHERE A CONFLICT EXISTS, THE PRICE SHALL INCLUDE THE MORE EXPENSIVE OPTION. COORDINATE CONFLICTS WITH ENGINEER PRIOR TO SUBMITTING BID.
 - THE LAMP COUPONING AND COLOR TEMPERATURE, LED VOLTAGE AND COLOR TEMPERATURE, LED DIMMERS SHALL BE PROVIDED AS RECOMMENDED AND TESTED BY THE MANUFACTURER OF THE FIXTURE SPECIFIED. THE FIXTURE MANUFACTURER SHALL BE RESPONSIBLE FOR THE LAMP-DRIVER COMPATIBILITY.
 - NOMINAL LUMEN OUTPUT IS LISTED FOR LED FIXTURE TYPES. SUBMITTED FIXTURE SHALL BE CAPABLE OF PROVIDING LISTED LUMEN OUTPUT WITHIN 10% OF LISTED LUMEN OUTPUT.
 - NO SUBSTITUTIONS SHALL BE ACCEPTED UNLESS LISTED.
 - PRICING FOR LIGHT FIXTURE TYPES SHALL BE THROUGH LOCAL LIGHTING REP LISTED ONLY.
 - UNLESS NOTED OTHERWISE, LED LIGHT FIXTURES SHALL HAVE A COLOR TEMPERATURE OF 3500K FOR INTERIOR LIGHTING.
 - SWITCHING:**
 - CHECK ALL DRAWINGS FOR WALL SWITCHES. SWITCHES ARE SHOWN ON LIGHTING, POWER, AND SYSTEM PLANS.
 - WHERE ONE OR MORE WALL SWITCHES ARE SHOWN, THE SAME GENERAL LOCATION, SWITCHER SHALL BE PROVIDED AND INSTALLED IN ONE WALL BOX WITH ONE CONTINUOUS COMMON COVER PLATE, WHEREEVER POSSIBLE, WHERE GROUNDING IS NOT POSSIBLE DUE TO SIZE OR TYPE OF DEVICE, GROUP DEVICES CLOSE TOGETHER AND AT THE EXACT SAME MOUNTING HEIGHT.
 - CUTTING AND PATCHING:**
 - ALL OPENINGS IN EXISTING STRUCTURAL ELEMENTS, REQUIRED FOR COMPLETION OF THE CONTRACT (SUCH AS FLOORS, WALLS, CEILINGS, AND ROOFS), SHALL BE CUT AND/OR PATCHED BY THE ELECTRICAL CONTRACTOR.

TECHNOLOGY GENERAL NOTES

- A. LOW VOLTAGE SYSTEM INSTALLATION:**
- PROVIDE ALL AUXILIARY DEVICES SUCH AS TIE BARS, CABLE SUPPORTS, SURFACE RACEWAY, CONDUIT, RACEWAYS, INTER DUCT, ETC. THAT ARE NOT SHOWN BUT ARE REQUIRED FOR A COMPLETE INSTALLATION.
 - PROVIDE ALL CONDUIT, BACKBOXES, AND POWER SOURCES FOR EQUIPMENT AS REQUIRED FOR A COMPLETE INSTALLATION.
 - CONCEAL ALL CABLES WHEREVER POSSIBLE. WHEN CABLE CANNOT BE CONCEALED IN FINISHED AREAS, THE PROVIDE CONDUIT AND/OR SURFACE MOUNTED RACEWAY (WHERE APPROVED BY ARCHITECT).
 - CABLE RUN OPEN IN WALLS AND ABOVE DROPPED CEILINGS SHALL BE SUPPORTED EVERY 4 TO 5 FT. WITH PROPER CABLE SUPPORTS. PANDUIT JACKS, SYSTEMS, OR EQUAL AS INDICATED IN SPECIFICATIONS.
 - PLASTIC TIEWRAPS ARE NOT PERMITTED. USE PANDUIT HPLPSR HOOK & LOOP CABLE TIES - PLENUM RATED.
 - ALL CABLES INSTALLED ABOVE CEILINGS SHALL HAVE PLENUM RATING.
 - PROVIDE FIRE STOP WHERE CONDUITS, CONDUIT SLEEVES, WIRE WAYS, AND OTHER NETWORK RACEWAYS OR CABLES PASS THROUGH FIRE PARTITIONS, FIRE WALLS, FIRE FLOORS, OR SMOKE WALLS.
 - CONFIRM THE LAYOUT OF ALL PATCH PANELS, TERMINAL BLOCKS, HEAD-END EQUIPMENT AND WIRING WITH THE OWNER'S REPRESENTATIVE BEFORE INSTALLATION.
 - REFER TO DIVISION 26 SPECIFICATIONS FOR ADDITIONAL DETAILS AND INFORMATION.
- B. COPPER CABLE SYSTEMS:**
- HORIZONTAL CABLEING FOR THE VOICE/DATA COMMUNICATION STRUCTURED CABLEING SYSTEM SHALL BE CATEGORY 6 PLENUM RATED CABLE. CATEGORY 6 CABLE SHALL BE TERMINATED ON CATEGORY 6 RATED CONNECTIONS AT THE WORKSTATION AND ON CATEGORY 6 RATED PATCH PANELS AT THE IDF.
 - PROVIDE CATEGORY 6A CABLE TO ALL WIRELESS ACCESS POINTS (WAP) AS DETAILED ON DRAWINGS. AT THE IDF, TERMINATE CABLEING ON CATEGORY 6A PATCH PANELS. AT THE WAP LOCATION, TERMINATE THE CABLEING WITH BISCUIT JACK. PROVIDED A 20' COIL OF CABLE ABOVE CEILING FOR FINAL PLACEMENT OF WIRELESS ACCESS POINT. SUPPORT CABLE LOOP WITH HOOK AND LOOP CABLE TIES.
 - PROVIDE CATEGORY 6 CABLE TO ALL SURVEILLANCE CAMERA LOCATIONS AS DETAILED ON DRAWINGS. AT THE MD/IDF, TERMINATE CABLEING ON CATEGORY 6 PATCH PANELS. AT THE CAMERA LOCATION, TERMINATE THE CABLEING WITH BISCUIT JACK. PROVIDED A 20' COIL OF CABLE FOR FINAL PLACEMENT OF CAMERA.
 - FURNISH ALL CATEGORY 6 AND CATEGORY 6A PATCH CABLES AT THE IDF. FOR ALL DATA CABLES INSTALLED. PATCH CABLES SHALL BE TURNED OVER TO THE OWNER FOR PATCHING OF DATA NETWORK CONNECTIONS.
 - SYSTEM COMPONENTS SHALL BE OF SAME MANUFACTURER FOR END TO END CHANNEL PERFORMANCE AND SHALL MEET THE WARRANTY AS DESCRIBED IN THE DIVISION 27 SPECIFICATIONS.
 - TELEPHONE/DATA OUTLET AND CABLE TOTALS ARE TO BE VERIFIED BY TAKE-OFF DEVICE COUNTS PROVIDED ON FLOOR PLANS.
 - SEE SPECIFICATIONS FOR SPECIFIC OUTLET TYPE, COLOR AND COMPONENTS. COORDINATE WITH OWNER AND ENGINEER PRIOR TO ORDERING.
 - FINAL LOCATION OF WORKSTATION OUTLETS SHALL BE CONFIRMED WITH OWNER'S REPRESENTATIVE.
 - PROVIDE A WIRING DIAGRAM AND FLOOR PLAN FOR THE EQUIPMENT AS INSTALLED WITH CLEARLY LABELED CONNECTIONS INTO ROOMS, USING THE SAME NOMENCLATURE ON THE OUTLETS AND TERMINATION PANELS.
 - MAKE ALL FINAL CONNECTIONS AS DIRECTED BY THE OWNER'S REPRESENTATIVE. TAG BOTH ENDS OF ALL WIRES WITH A COMPLETE IDENTIFICATION SCHEME. THE IDENTIFICATION SCHEME SHALL BE REVIEWED AND APPROVED BY THE OWNER'S REPRESENTATIVE DURING CONSTRUCTION. THIS REQUIREMENT SHALL APPLY TO ALL TELEPHONE/DATA CABLES AND CROSS CONNECT CABLES.
 - HORIZONTAL CATEGORY 6 CABLE RUNS SHALL NOT EXCEED 295 FT. FROM TERMINATION PANEL TO OUTLET CONNECTING HARDWARE. IF DURING CONSTRUCTION, DUE TO EXISTING BUILDING CONSTRUCTION, ETC. THIS LENGTH WILL BE EXCEEDED, IT SHALL BE BROUGHT TO THE ATTENTION OF ENGINEER PRIOR TO INSTALLING ANY RACEWAY, CONDUIT, CABLE, ETC.
 - CONDUITS AND SLEEVES FOR TELECOMMUNICATIONS CABLEING SHALL BE, AT A MINIMUM, THE FOLLOWING SIZES:
 - 3/4" - UP TO (2) CAT6A CABLES
 - 1" - UP TO (4) CAT6A CABLES
 - 1-1/4" - UP TO (6) CAT6A CABLES
 - 1-1/2" - UP TO (10) CAT6A CABLES
 - 2" - UP TO (16) CAT6A CABLES
 - 2-1/2" - UP TO (22) CAT6A CABLES
 - 3" - UP TO (36) CAT6A CABLES
 - 4" - UP TO (62) CAT6A CABLES
 - BEYOND (62) CABLES - PROVIDE MULTIPLE CONDUITS
- C. LOW VOLTAGE EQUIPMENT GROUNDING:**
- PROVIDE A TELECOMMUNICATIONS GROUNDING AND BONDING SYSTEM WITHIN THE TELECOMMUNICATIONS SPACES IN ACCORDANCE WITH THE RECOMMENDATION OF ANSI/TIA-EIA-607 AND ARTICLE 250 OF THE NATIONAL ELECTRIC CODE AND AS DESCRIBED IN THE CONTRACT DOCUMENTS.
 - PROVIDE A GROUND BUS BAR AT DATA RACK LOCATION IN ACCORDANCE WITH DETAIL 2/E000. PROVIDE A #30 INSULATED GROUNDING CONDUCTOR FROM THE SERVICE ENTRANCE GROUNDING ELECTRODE TO GROUND BUS LOCATION.
 - PROVIDE A #6 AWG INSULATED GROUND WIRE BETWEEN THE EQUIPMENT AND THE COMMUNICATIONS SYSTEM GROUND BAR LOCATED IN THE SAME ROOM. PROVIDE ALL NECESSARY HARDWARE FOR FASTENING OF GROUND WIRES TO GROUNDING BLOCKS.

GENERAL ABBREVIATIONS

A	AMPERE	OC	ON CENTER
AC	ABOVE COUNTER	OEM	ORIGINAL EQUIPMENT MANUFACTURER
AFF	ABOVE FINISHED FLOOR	P	POLE
AWG	AMERICAN WIRE GAUGE	PB	PUSH BUTTON
C	CONDUIT	PC	PLUMBING CONTRACTOR
CK	CIRCUIT	PH	PHASE
CB	CIRCUIT BREAKER	PNL	PANELBOARD
CONN	CONNECTION	POS	POSITION
CU	COPPER	PRI	PRIMARY
DISC	DISCONNECT	PWR	POWER
DWG	DRAWING	REC	RECESSED
E	EMERGENCY OR EMERGENCY SYSTEM	RECP	RECEPTACLE
EC	ELECTRICAL CONTRACTOR	REQ	REQUIRED
EF	EXHAUST FAN	RMC	RIGID GALVANIZED METAL CONDUIT
EMT	ELECTRIC METALLIC TUBING	SCCR	SHORT CIRCUIT CURRENT RATING
EQUIP	EQUIPMENT	SCH	SCHEDULE
FA	FIRE ALARM	SEC	SECONDARY
FBO	FURNISHED BY OTHERS WITH ALL RELATED ELECTRICAL WORK BY ELECTRICAL CONTRACTOR	SM	SURFACE MOUNTED
FT	FEET	SPD	SURGE PROTECTIVE DEVICE
FTL	FEED THROUGH LUGS	SW	SWITCH
GC	GENERAL CONTRACTOR	SWBD	SWITCHBOARD
GRD	GROUND OR GROUNDED	TELE	TELEPHONE
GRD	GROUND OR GROUNDED	THRU	THROUGH
HP	HORSEPOWER	TP	TAMPER PROOF
HVAC	HEATING, VENTILATING AND AIR CONDITIONING	TV	TELEVISION
IN	INCH	TYP	TYPICAL
JB	JUNCTION BOX	UNO	UNLESS NOTED OTHERWISE
KILO	KILO	V	VOLT
LIGHTING	LIGHTING	W	WATT
LWG	LIGHTING	W	WATT
MCB	MAIN CIRCUIT BREAKER	W/O	WITHOUT
MFR	MANUFACTURER	X	EXISTING TO REMAIN
MLO	MAIN LUG ONLY	XA	EXISTING TO BE REMOVED COMPLETELY
MTD	MOUNTED	XR	RELOCATED EXISTING EQUIPMENT
MTG	MOUNTING	XRN	EXISTING TO BE REMOVED AND REPLACED WITH NEW DEVICE
NA	NOT APPLICABLE	Y	STAR OR WYE DISTRIBUTION SYSTEM
NIC	NOT IN THIS CONTRACT		
NO	NUMBER		
NIS	NOT TO SCALE		

GENERAL DRAWING SYMBOLS

	DETAIL INDICATOR. "P" DENOTES SEQUENTIAL ALPHANUMERIC DESIGNATION. "DWG" DENOTES DRAWING NUMBER WHERE DETAIL IS DRAWN.
	SECTION INDICATOR. "W" DENOTES SEQUENTIAL ALPHANUMERIC DESIGNATION. "DWG" DENOTES DRAWING NUMBER WHERE SECTION IS DRAWN.
	ELEVATION/VIEW INDICATOR. "H" DENOTES SEQUENTIAL ALPHANUMERIC DESIGNATION. "DWG" DENOTES DRAWING NUMBER WHERE DETAIL IS DRAWN.
	REVISION INDICATOR. "R" DENOTES REVISION LEVEL.
	CODED NOTE. "N" DENOTES SEQUENTIAL ALPHANUMERIC DESIGNATION.

POWER

CEILING MTD	FLOOR MTD	WALL MTD

- COMBINATION POWER/DATA FLOOR BOX. "T1", "T2", ETC DENOTES TYPE OF FLOOR BOX. REFER TO DETAIL 3/E000.
- NOMENCLATURE:**
- "1" DENOTES CIRCUIT NUMBER. TWO NUMBERS SEPARATED BY A SLASH (e.g. 31/33) INDICATES A 2-POLE CIRCUIT TO BE CONNECTED TO POSITIONS 31 AND 33 IN THE PANELBOARD. THREE NUMBERS SEPARATED BY A SLASH (e.g. 31/33/35) INDICATES A 3-POLE CIRCUIT IN THE PANELBOARD. NUMBERS SEPARATED BY COMMAS, INDICATES INDIVIDUAL SINGLE-POLE CIRCUITS (e.g. 31,33,35).
 - "1L1" DENOTES PANELBOARD.
 - "AC" DENOTES RECEPTACLE MOUNTED ABOVE COUNTER. MOUNT 6" ABOVE TOP OF BACKSPLASH.
 - "AC GF" DENOTES GF RECEPTACLE MOUNTED ABOVE COUNTER. MOUNT 6" ABOVE TOP OF BACKSPLASH.
 - "CM" DENOTES RECEPTACLE FOR COFFEE MAKER (ABOVE COUNTER).
 - "CP" DENOTES RECEPTACLE FOR COPIER.
 - "TPE" DENOTES ONE DUPLEX RECEPTACLE AND DATA OUTLET MOUNTED IN A FLAT PANEL ENCLOSURE. CHIEF MODEL NO. PAC525 OR APPROVED EQUIVALENT, WITH ONE DUPLEX RECEPTACLE MOUNTED IN BOTTOM SINGLE-GANG OPENING AND DATA OUTLET IN SIDE SINGLE-GANG OPENING. MOUNT ENCLOSURE AT 60" AFF. ENCLOSURE SHALL BE 16" BY 9" BY 3.88" DEEP. PROVIDE BLANK COVER FOR ENCLOSURE WITH FLANGE. PROVIDE A 1 1/4" EMT CONDUIT FROM TOP SINGLE-GANG OPENING, CONCEALED IN WALL, TO ABOVE THE ACCESSIBLE CEILING OF THE SPACE. PROVIDE A NYLON BUSHING ON EACH END OF CONDUIT AND PROVIDE A PULL WIRE IN CONDUIT.
 - "GF" DENOTES GROUND FAULT INTERRUPTING RECEPTACLE.
 - "MW" DENOTES RECEPTACLE FOR MICROWAVE. MOUNT DEVICE IN BACK OF CABINET ABOVE MICROWAVE, APPROXIMATELY 78" AFF. COORDINATE MOUNTING WITH ARCHITECT PRIOR TO ROUGH-IN.
 - "RF" DENOTES RECEPTACLE FOR REFRIGERATOR.
 - "SP" DENOTES SURGE-PROTECTED RECEPTACLE.
 - "UR" DENOTES RECEPTACLE FOR UNDER COUNTER REFRIGERATOR.
 - "WR" DENOTES WEATHER RESISTANT GF RECEPTACLE WITH EXTRA HEAVY DUTY BOX COVER.
 - "XX" DENOTES RECEPTACLE MOUNTED AT SPECIFIC MOUNTING HEIGHT WHERE "XX" IS INCHES AFF TO CENTER OF DEVICE.

- WALL SWITCH. MOUNT 48" AFF TO TOP OF BOX UNO.
- NOMENCLATURE:**
- "W" DENOTES MANUAL MOTOR STARTER.
- NON-FUSED SAFETY DISCONNECT SWITCH. MOUNT 6'-0" AFF TO TOP OF ENCLOSURE UNO.
- FUSED SAFETY DISCONNECT SWITCH. MOUNT 6'-0" AFF TO TOP OF ENCLOSURE UNO.
- NOMENCLATURE:**
- "3P" DENOTES NEMA RATING.
- FUSE SIZE
- NUMBER OF POLES
- SWITCH RATING
- PANELBOARD. MOUNT 6'-0" AFF TO TOP CIRCUIT BREAKER.
- NOMENCLATURE:**
- SEQUENTIAL NUMERATION
 - VOLTAGE/SYSTEM
 - "1" DENOTES 208Y/120V.
 - FLOOR LEVEL
- CONDUIT FLOOR STUB-UP. 6" AFF UNO.
- DEVICES INSTALLED IN SURFACE RACEWAY.
- WIREWAY
- LOW VOLTAGE WIRING
- GROUND CONNECTION PER NEC, UNO

TELE/DATA COMMUNICATION SYSTEM

CEILING MTD	FLOOR MTD	WALL MTD

DEVICES INSTALLED IN SURFACE RACEWAY

4" x 8" x 3/4" PLYWOOD TERMINAL BOARD PAINTED GRAY WITH FIREPROOF PAINT

DEVICE REQUIRING DATA CABLE - SEE DATA NOMENCLATURE BELOW. DATA TAG MAY BE APPLIED TO ANY DEVICE WHICH REQUIRES A NETWORK CONNECTION INCLUDING BUT NOT LIMITED TO DATA JACKS, SURVEILLANCE CAMERAS, WAPS, ACCESS CONTROL PANELS, AV DEVICES, SPEAKERS, ETC.

NOMENCLATURE:

- PORT ID - SEQUENTIAL LETTERS A, B, C, ETC. CONFIRM PREFERRED TAGGING SCHEME WITH OWNER'S REPRESENTATIVE IN WRITING. IF ROOM NUMBERS ARE TO BE USED, USE FINAL POST-CONSTRUCTION ROOM NUMBERS. TAG EACH PORT FACEPLATE IN ADDITION TO BOTH ENDS OF CABLE.

INTEGRATED SECURITY SYSTEM (ROUGH-IN)

CEILING MTD	WALL MTD

MOTION DETECTOR. ARROW INDICATES AIMING DIRECTION. EXISTING DEVICE TO BE REMOVED AND REINSTALLED

FIRE ALARM SYSTEM (NOT IN CONTRACT)

CEILING MOUNTED	WALL MOUNTED

STROBE - CEILING MOUNT. NUMBER ADJACENT TO DEVICE INDICATES CANDELA RATING.

COMBINATION STROBE/HORN - CEILING MOUNT. NUMBER ADJACENT TO DEVICE INDICATES CANDELA RATING.

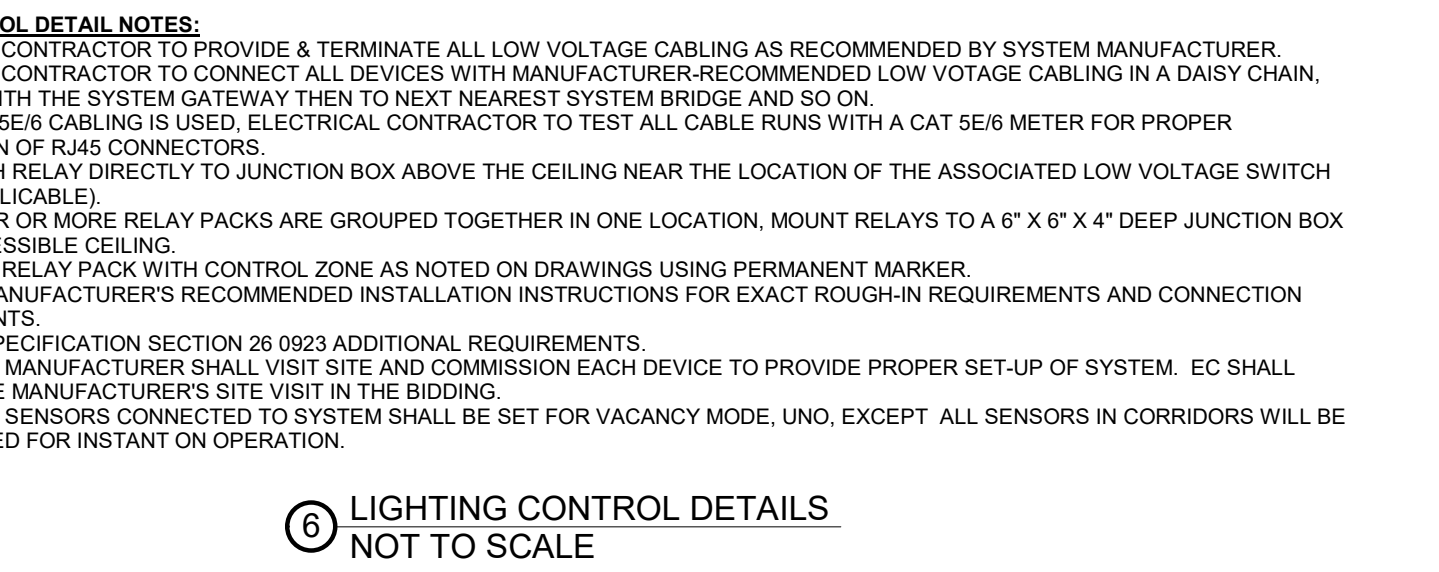
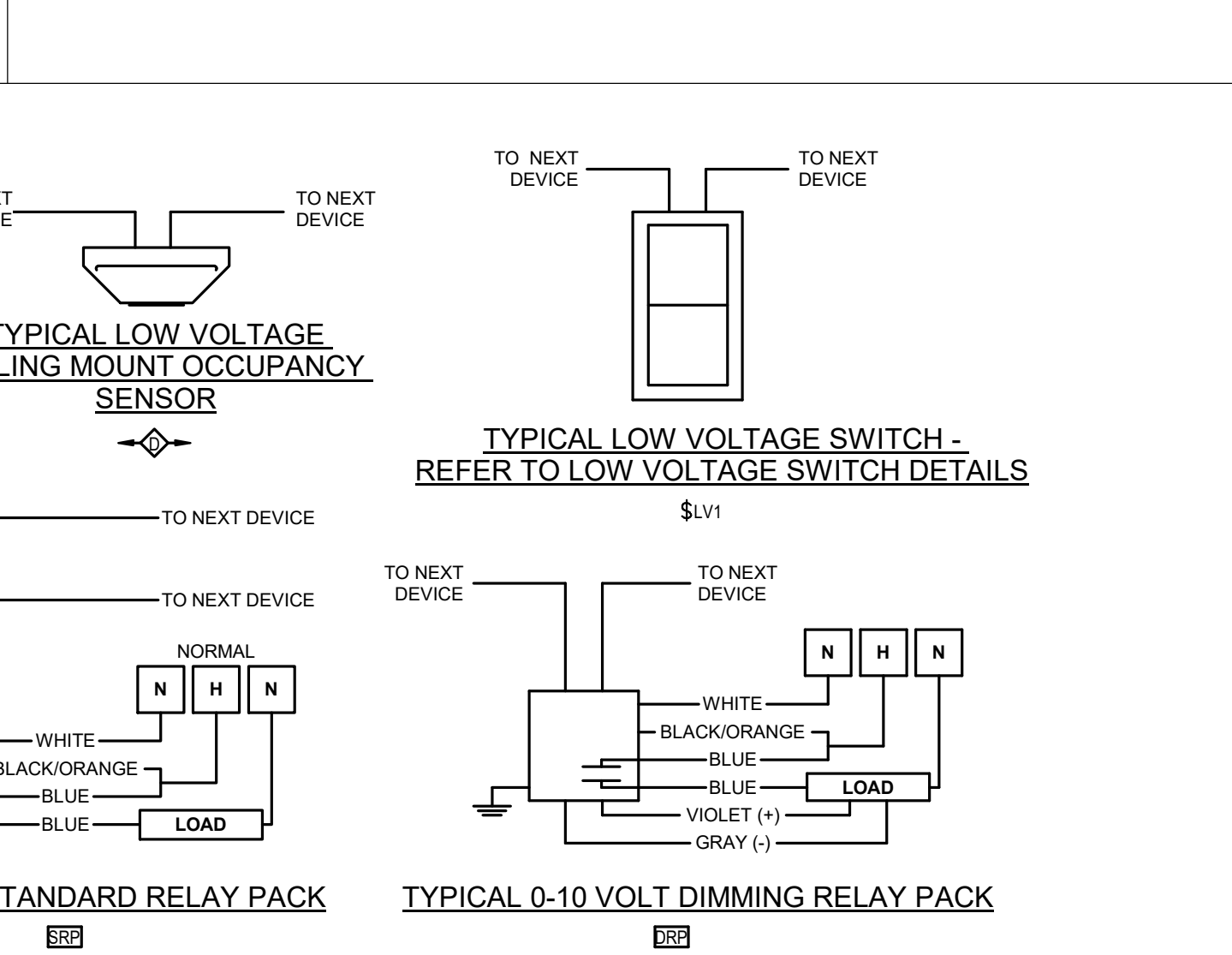
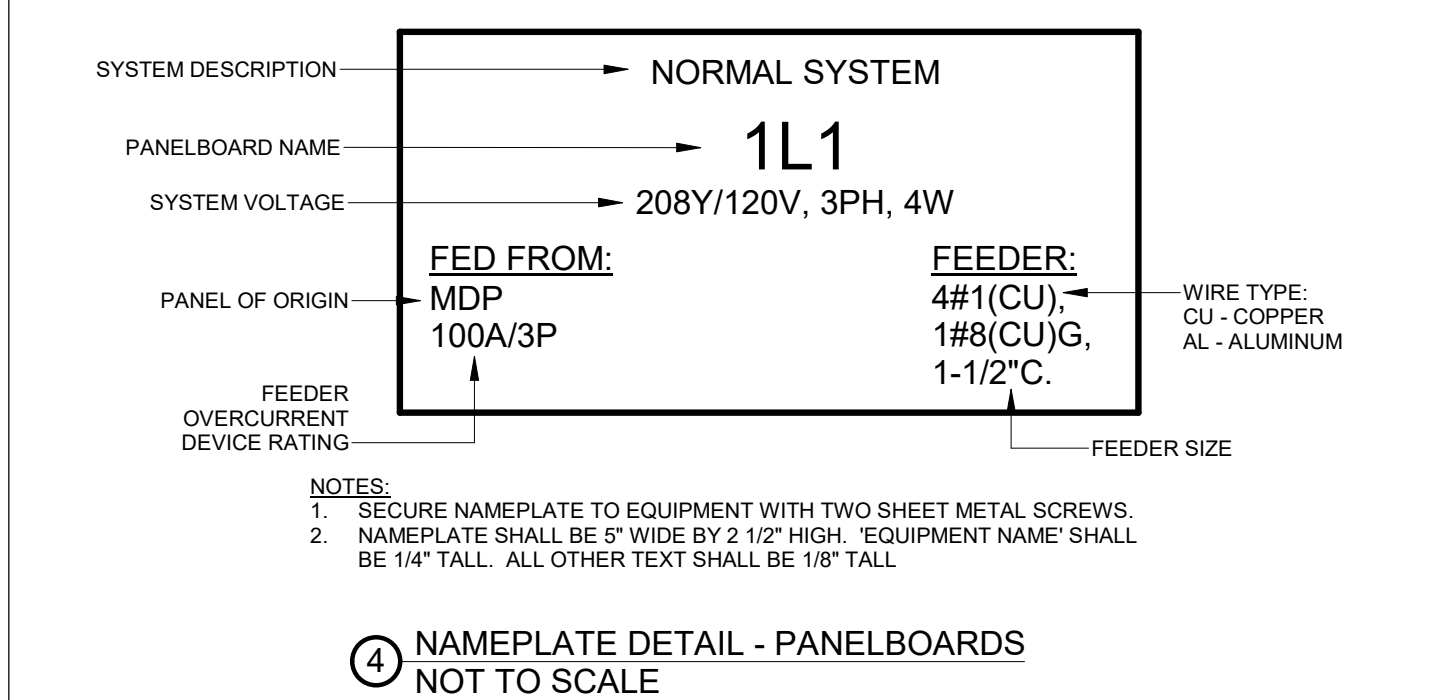
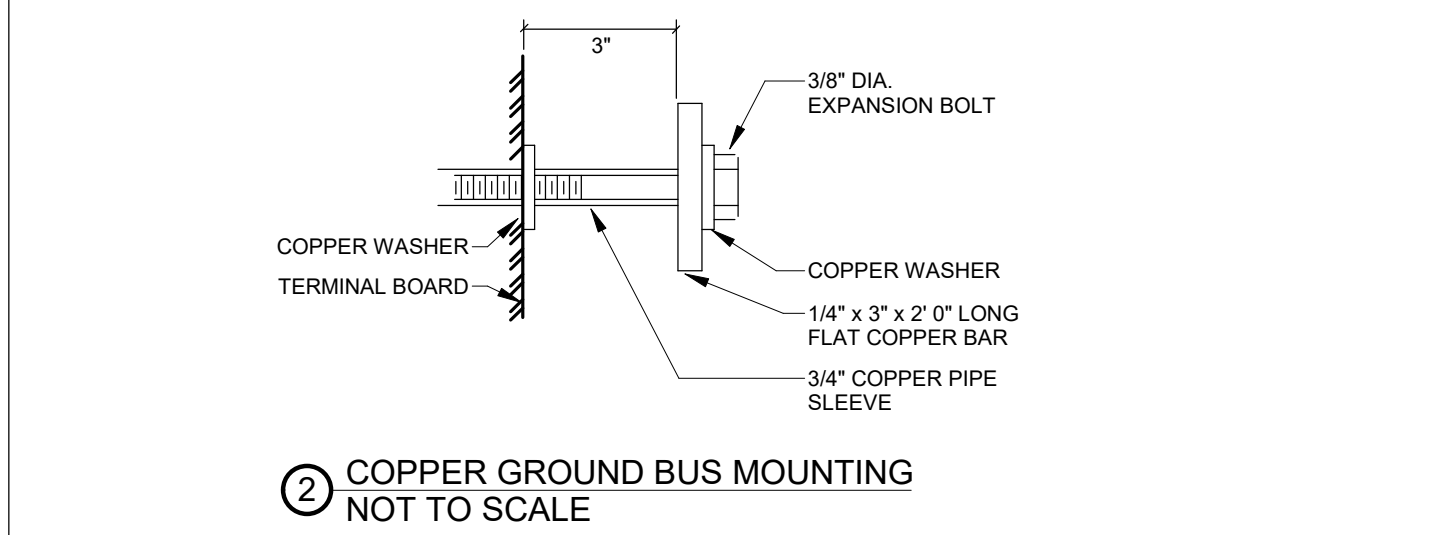
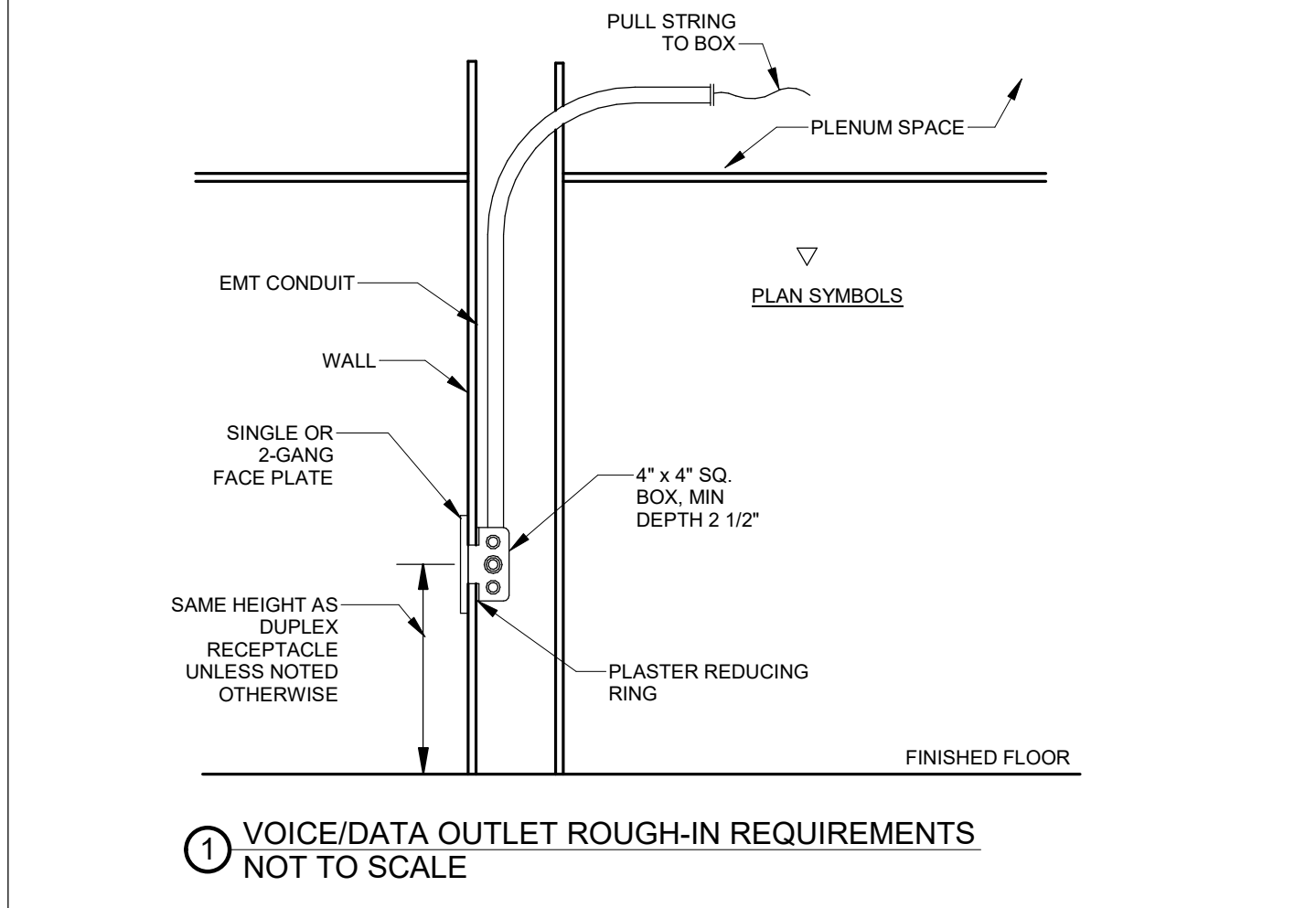
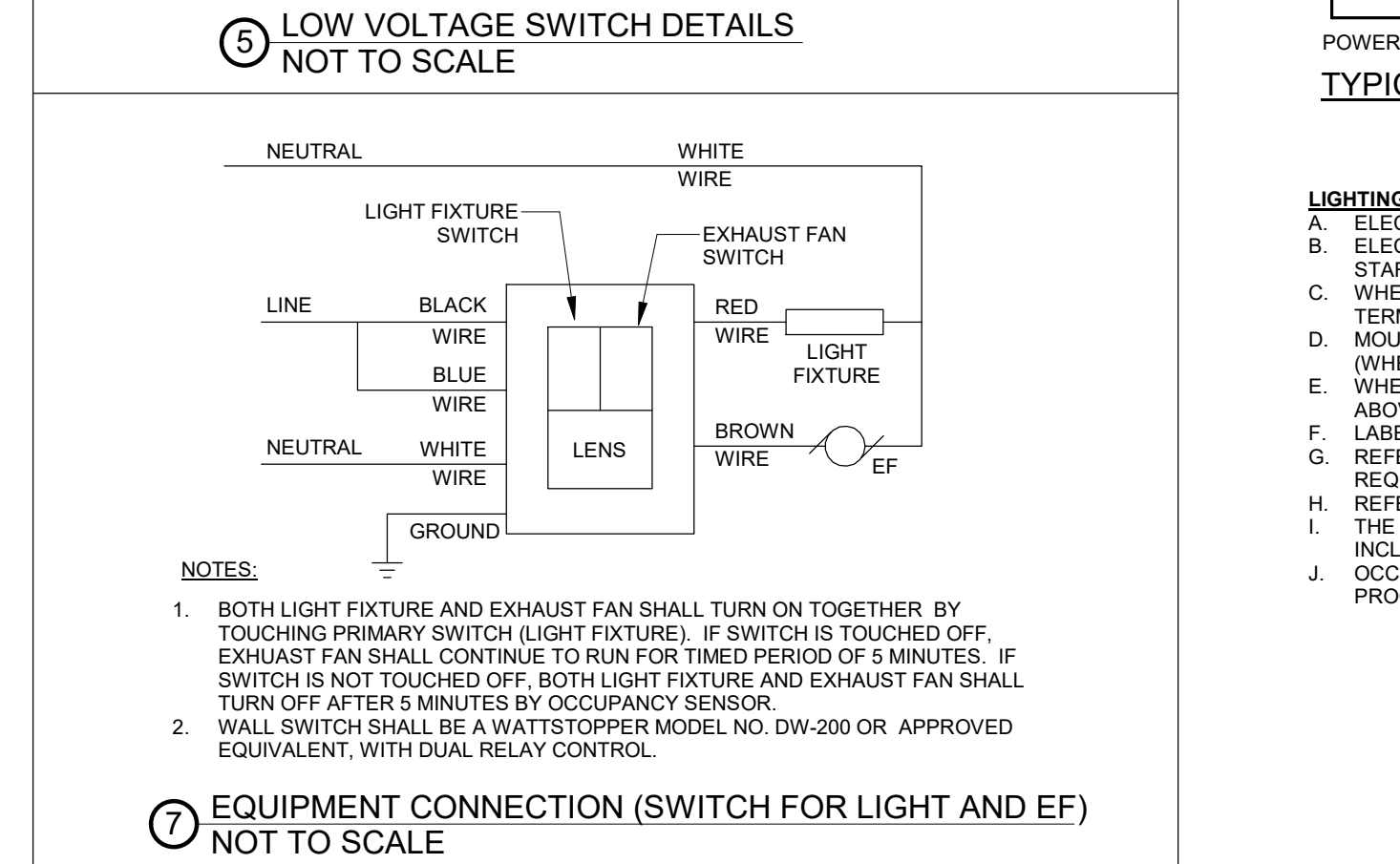
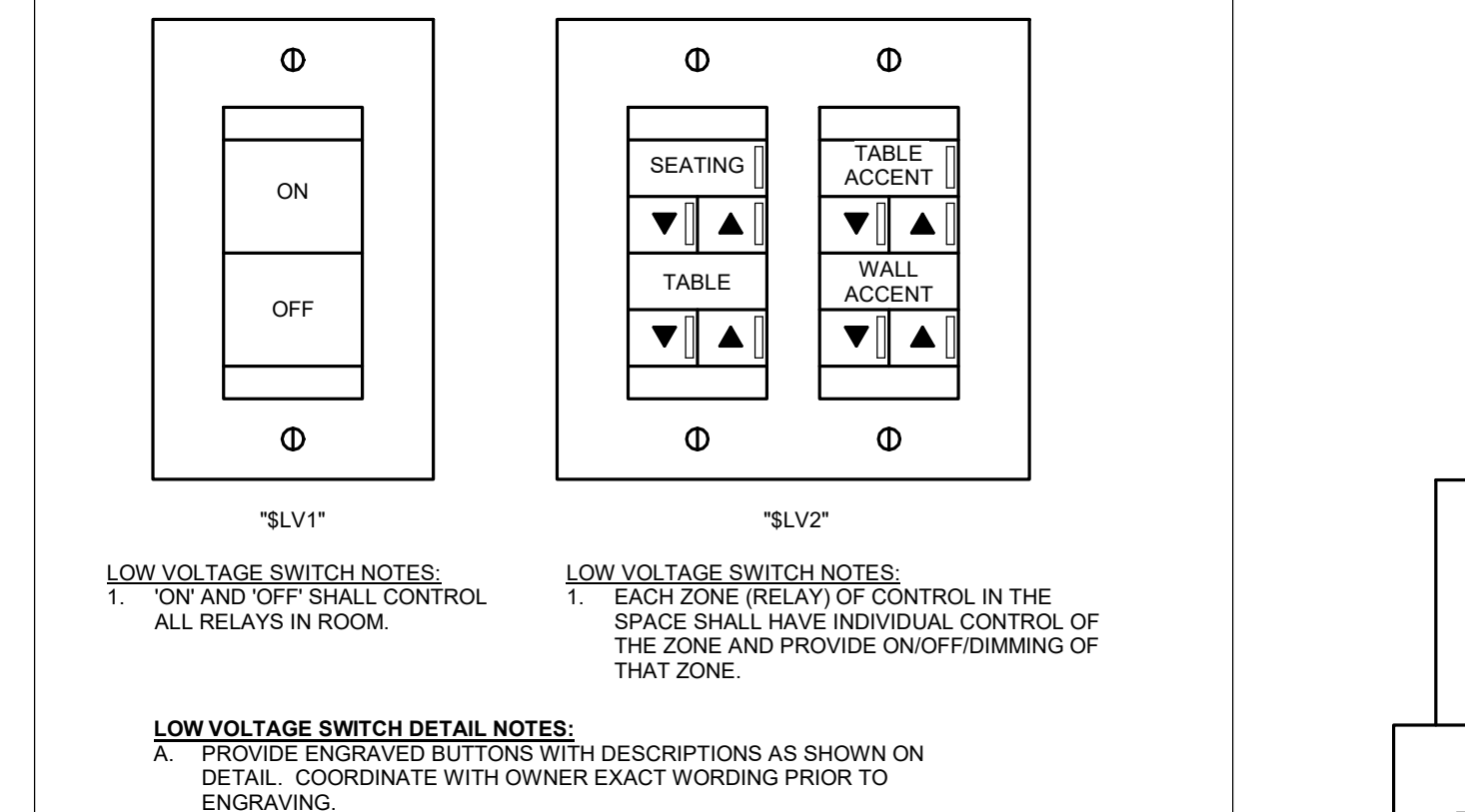
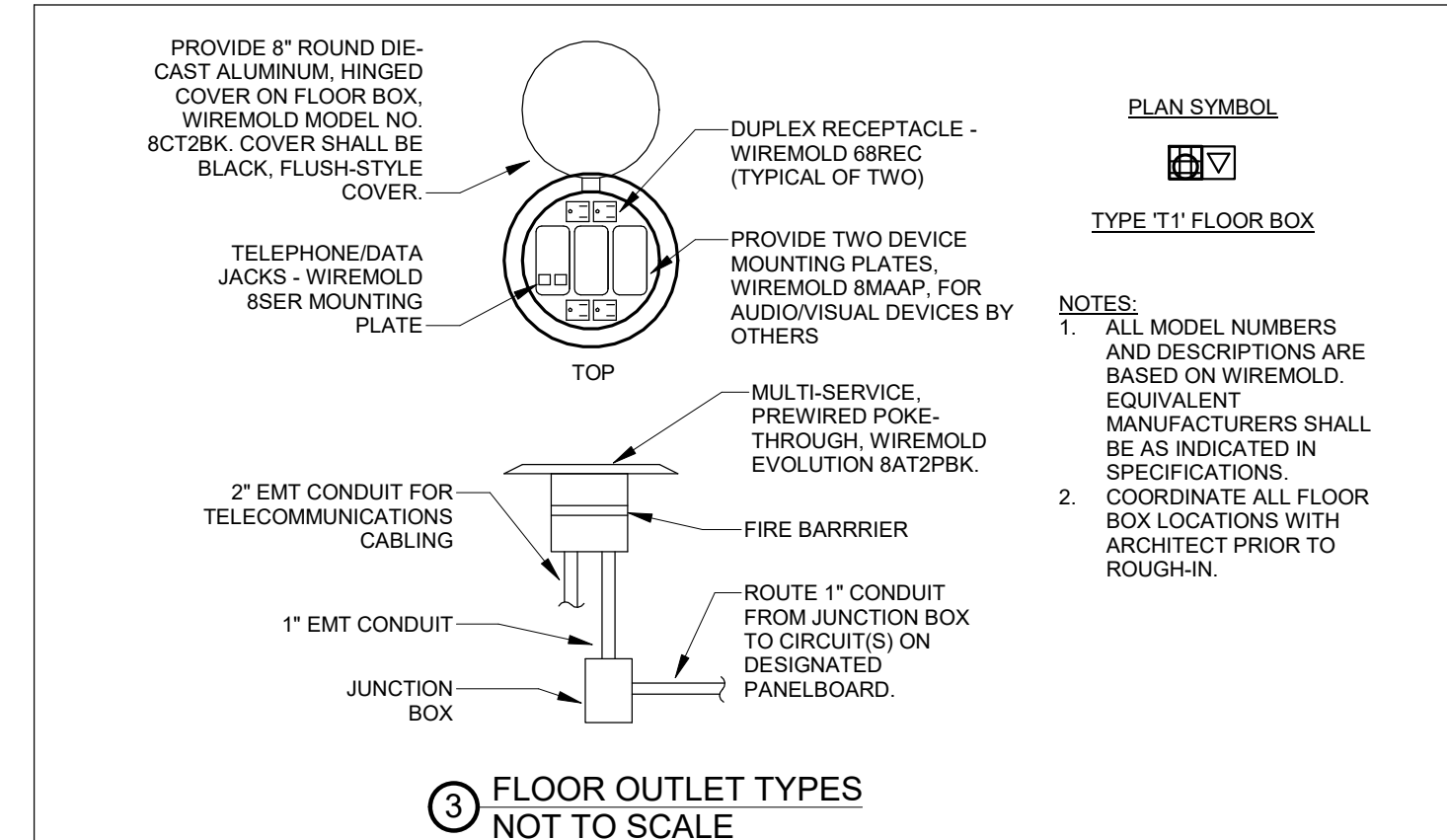
LIGHTING

CEILING MOUNTED	WALL MOUNTED

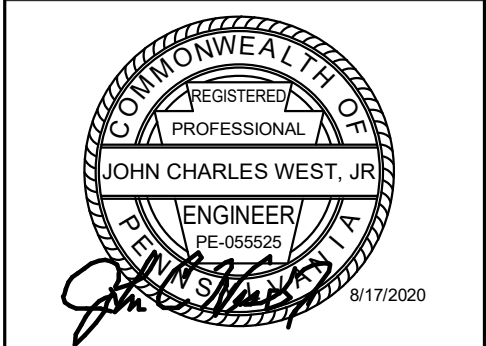
- NOMENCLATURE:**
- "G01" DENOTES FIXTURE TYPE (REFER TO LIGHTING FIXTURE SCHEDULE).
 - "1" DENOTES CIRCUIT NUMBER.
 - "1H1" DENOTES PANELBOARD.
 - "S" DENOTES SWITCH CONTROL.
- NOTES:**
- ADJACENT FIXTURES WITHOUT TAGS TO BE SAME TYPE AS TAGGED FIXTURES.
 - REFER TO LIGHTING FIXTURE SCHEDULE FOR LIGHTING FIXTURE DESCRIPTIONS.
 - WHERE POSSIBLE, LIGHTING FIXTURES ARE SHOWN AS ACTUAL SIZE AND CONFIGURATION.

LIGHTING CONTROLS

- REFER TO SPECIFICATION SECTION 260923 AND DETAIL 5 & 6/E000
- WALL SWITCH. MOUNT 48" AFF TO TOP OF BOX UNO.
- NOMENCLATURE:**
- LOWER CASE LETTER ADJACENT TO SYMBOL DESIGNATES SWITCH TAG.
 - "3" DENOTES 3-WAY SWITCH.
 - "4" DENOTES 4-WAY SWITCH.
 - "LD" DENOTES LED DIMMER SWITCH.
 - "LV" DENOTES LOW VOLTAGE SWITCH. NUMBER ADJACENT TO "LV" INDICATES NUMBER OF BUTTONS. COORDINATE PROGRAMMING IN CONSTRUCTION. REFER TO DETAIL 5/E000 FOR REQUIREMENTS.
 - "T" DENOTES DIGITAL TIMER SWITCH.
 - "W1" DENOTES DUAL TECHNOLOGY AUTOMATIC WALL SWITCH.
 - "W2" DENOTES DUAL TECHNOLOGY AUTOMATIC DUAL RELAY WALL SWITCH. REFER TO DETAIL 7/E000.
- WALL SWITCHES FOR DUAL SWITCHING.
- NETWORK LIGHTING CONTROL DEVICE: STANDARD RELAY PACK. WALL MOUNT ABOVE ACCESSIBLE CEILING OR 8'-0" AFF IN EXPOSED CEILINGS. LOWER CASE LETTER(S) ADJACENT TO DEVICE INDICATE NUMBER OF RELAYS REQUIRED.
- NETWORK LIGHTING CONTROL DEVICE: 0-10V DIMMING RELAY PACK. WALL MOUNT ABOVE ACCESSIBLE CEILING OR 8'-0" AFF IN EXPOSED CEILINGS. LOWER CASE LETTER(S) ADJACENT TO DEVICE INDICATE NUMBER OF RELAYS REQUIRED.
- DUAL TECHNOLOGY OCCUPANCY SENSOR (360 DEGREE COVERAGE). CEILING MOUNT.



McMILLEN
ENGINEERING INC
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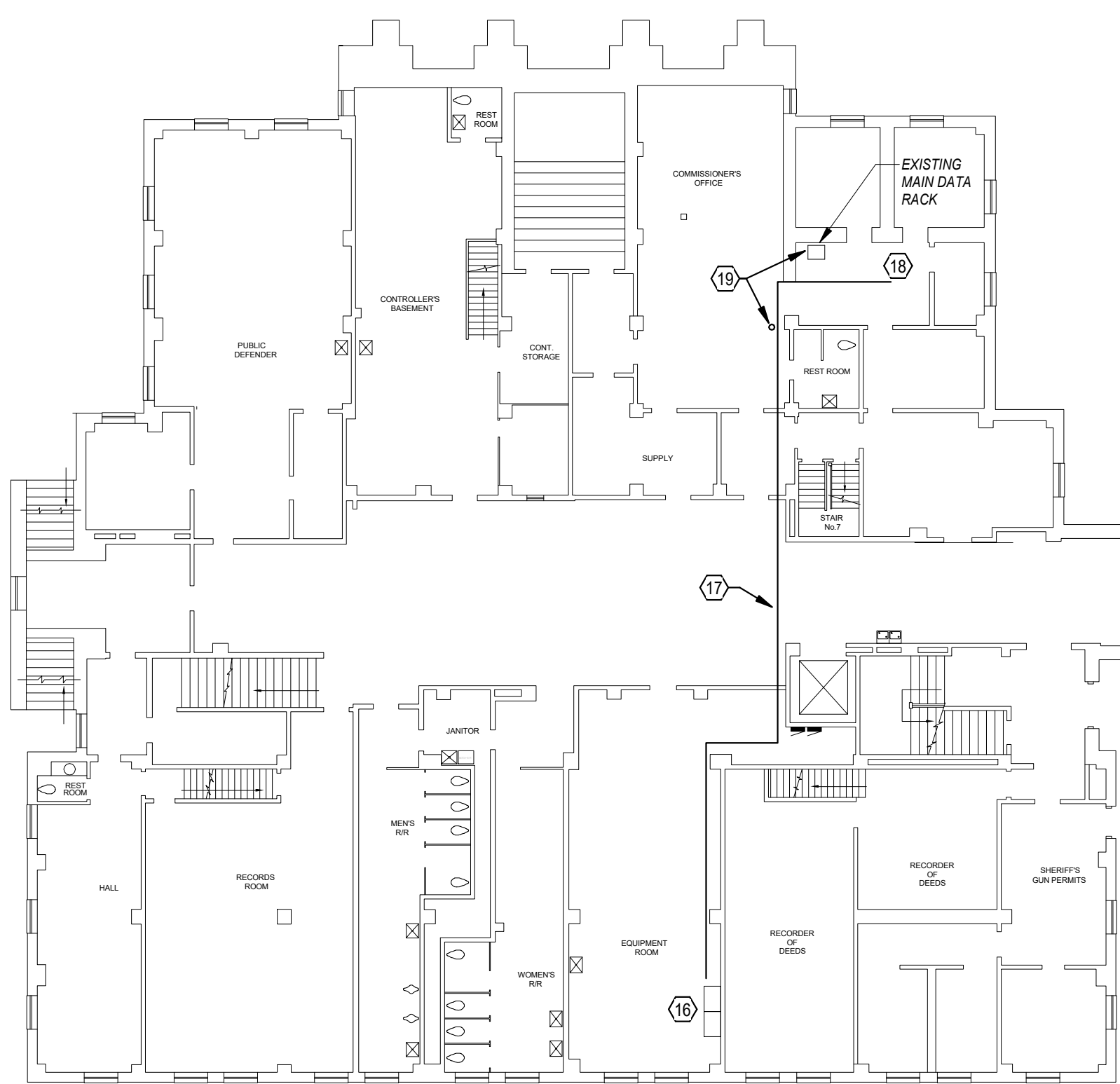
TOWER
ENGINEERING
115 Evergreen Heights Drive, Suite 400,
Pittsburgh, Pennsylvania 15229
Phone: (412) 931-8888 Fax: (412) 939-2525
Project Number: 2020117

REVISIONS	DESCRIPTION	DATE	BY
NO.			

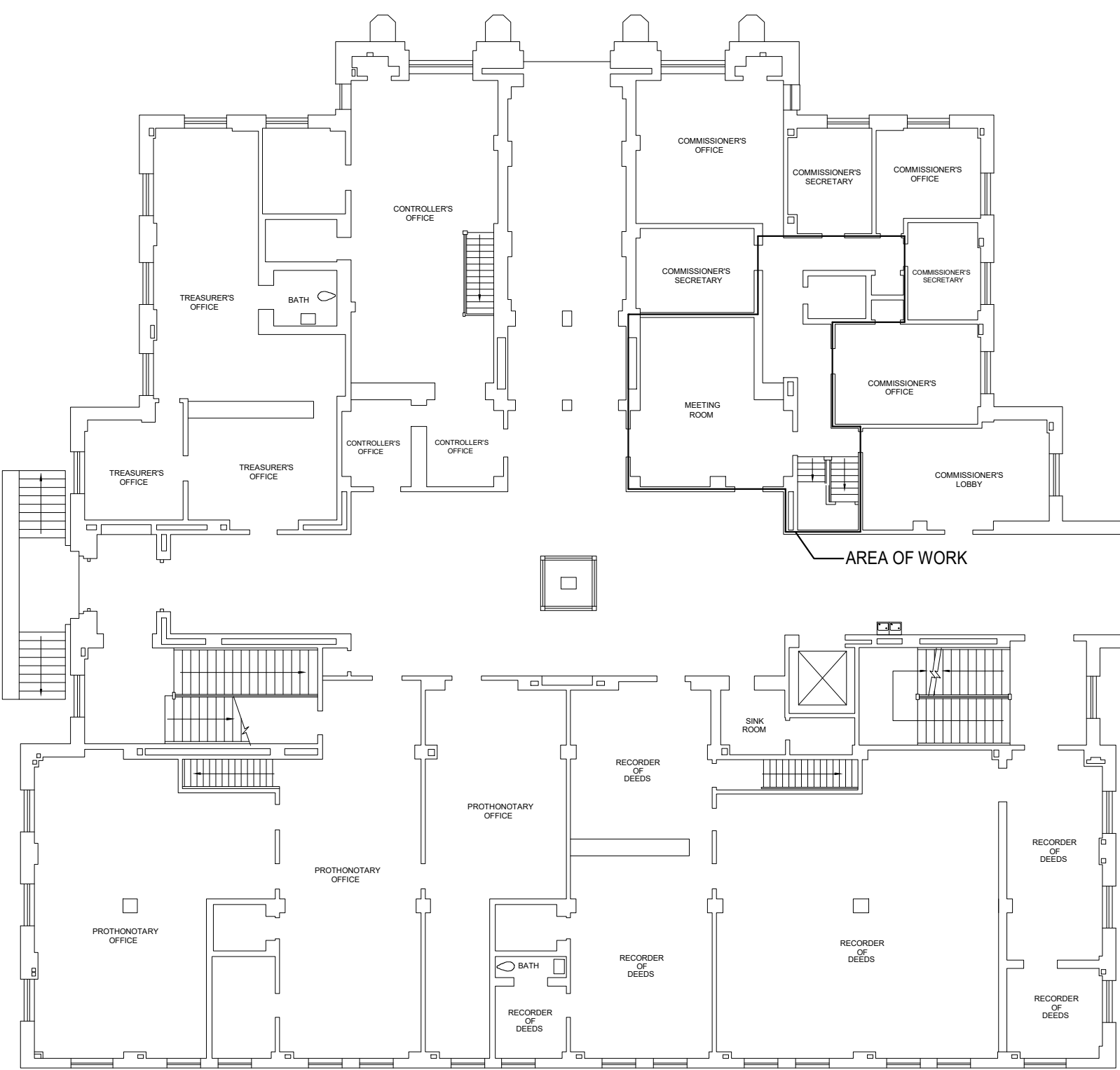
FAYETTE COUNTY COURTHOUSE
CONFERENCE ROOM EXPANSION
PREPARED FOR
FAYETTE COUNTY BOARD OF COMMISSIONERS
CITY OF UNIONTOWN, FAYETTE COUNTY
PENNSYLVANIA

SYMBOLS, ABBREVIATIONS, GENERAL NOTES & DETAILS

BOOK NO.	CHECKED	DATE	APPROVED	DATE
DRAWN	JCW	8/17/20	TSB	8/17/20
DESIGN	JCW	8/17/20	TSB	8/17/20
SCALE				
As indicated				
SHEET NUMBER				
E000				



BASEMENT FLOOR PLAN

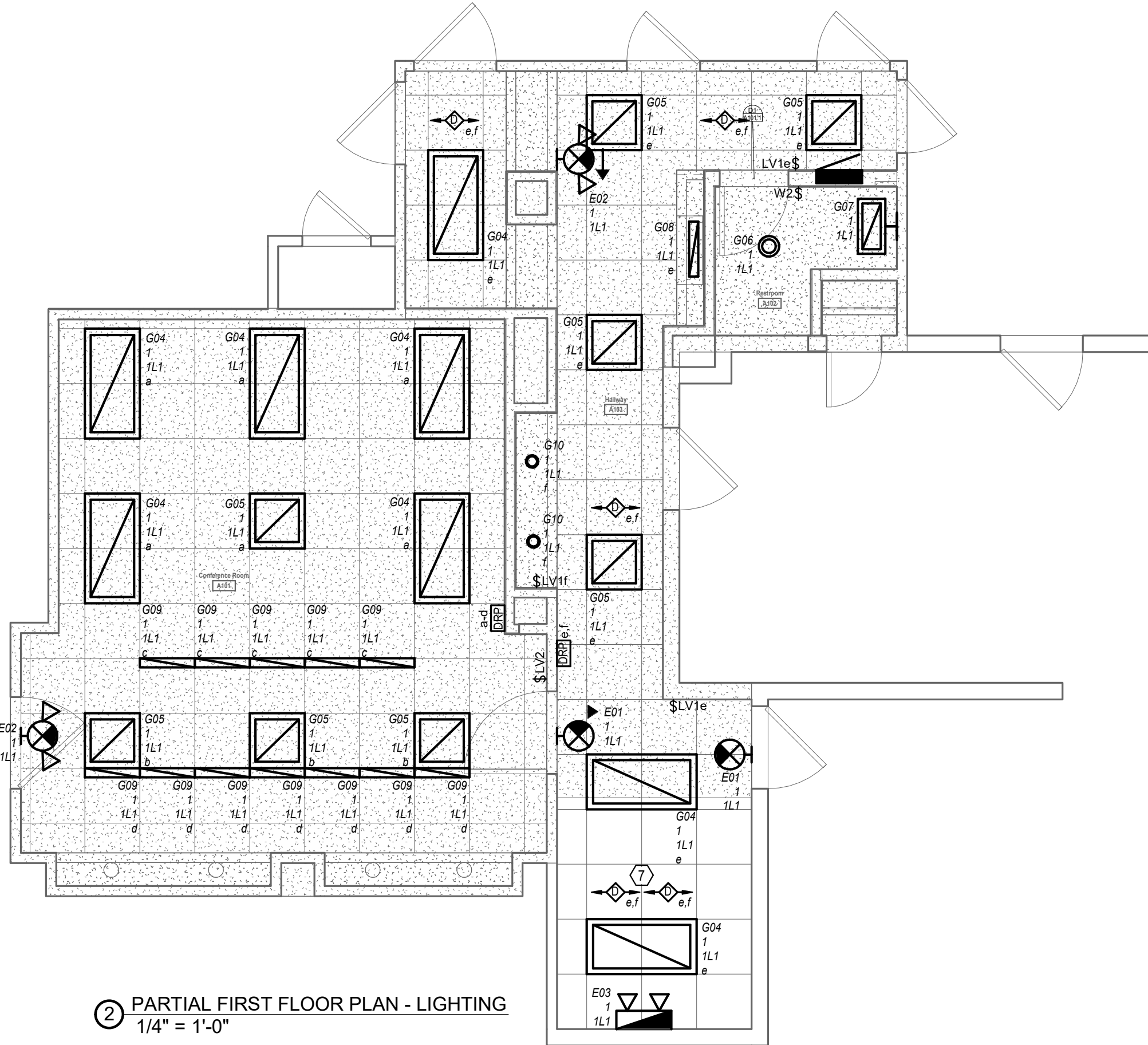


FIRST FLOOR PLAN

④ OVERALL PLANS
1/16" = 1'-0"

CODED NOTES SHEET E100

- EXISTING CEILING MOUNTED SPLIT FAN COIL UNIT SHALL REMAIN.
- REMOVE EXISTING WALL MOUNTED PATCH PANEL FOR DATA NETWORK CABLING AND REMOVE ALL INACTIVE CAT 5 CABLING ORIGINATING FROM THIS LOCATION TO OUTLET LOCATIONS. PATCH PANEL CURRENTLY HAS 15 CABLES CONNECTED. ALL ACTIVE CABLING SHALL BE REMOVED AND REROUTED TO NEW DATA NETWORK CABINET. REMOVE FINGER DUCT ON WALL AT THIS LOCATION.
- EXISTING SECURITY SYSTEM MOTION DETECTOR SHALL BE REMOVED AND REINSTALLED AT THIS LOCATION.
- REMOVE TELEPHONE CABLING PUNCHDOWN BLOCKS BEHIND ACCESS PANEL LOW ON WALL AND REMOVE ALL TRUNK CABLING BACK TO POINT OF ORIGIN. REMOVE ALL BRANCH CABLING TO END DEVICES FROM THIS LOCATION AS MUCH AS POSSIBLE.
- REMOVE EXHAUST FAN AND CONNECTION TO EXHAUST DUCT. EXHAUST DUCT SHALL REMAIN FOR REUSE.
- REMOVE ANPHENOL CONNECTION HANGING OUT OF WALL BACK TO POINT OF ORIGIN. PROVIDE A BLANK COVERPLATE ON BACK BOX.
- PROVIDE A SECOND CEILING MOUNTED OCCUPANCY SENSOR ON CEILING OF BASEMENT LEVEL IN STAIRWELL. OCCUPANCY SENSOR IN BASEMENT LEVEL AND FIRST FLOOR SHALL BE SET TO AUTO ON FUNCTION. ROUTE CABLING FROM BASEMENT LEVEL TO ACCESSIBLE CEILING OF FIRST FLOOR IN 3/4" EMT CONDUIT. ROUTE CONDUIT CONCEALED WHERE POSSIBLE.
- PROVIDE NEW CEILING EXHAUST FAN SIMILAR TO GREENHECK MODEL SP480. 75 CFM FAN FROM 887. 0.25 INCH EXTERNAL PRESSURE DROP, 50 WATTS AND 115V/1PH. TIE 6" ROUND NEW DUCTWORK FROM EXHAUST FAN DISCHARGE TO EXISTING EXHAUST DUCT. EXHAUST FAN SHALL BE CONTROLLED BY LIGHT SWITCH.
- PROVIDE A 1 1/4" EMT CONDUIT FROM BOTTOM SINGLE-GANG OPENING OF FLAT PANEL ENCLOSURE, CONCEALED IN WALL, TO DOUBLE GANG MUD RING AT 18" AFF IN BASE CABINET. PROVIDE A NYLON BUSHING ON EACH END OF CONDUIT AND PROVIDE A PULL WIRE IN CONDUIT.
- CUT OUT REAR PANEL OF BASE CABINET TO MOUNT DEVICES SHOWN AT 18" AFF. PROVIDE BOX EXTENSIONS AS REQUIRED TO SET BACK BOX FLUSH WITH BACK WALL OF BASE CABINET.



② PARTIAL FIRST FLOOR PLAN - LIGHTING
1/4" = 1'-0"

