

project name:

# CLEVELAND METROPOLITAN SCHOOL DISTRICT

## Davis Aerospace & Maritime School - Ground Floor Renovation

1440 Lakeside Avenue

Cleveland, OH 44114

Owner:



CLEVELAND METROPOLITAN SCHOOL DISTRICT

ERIC GORDON, CHIEF EXECUTIVE OFFICER

JUSTIN BIBB, MAYOR OF CLEVELAND

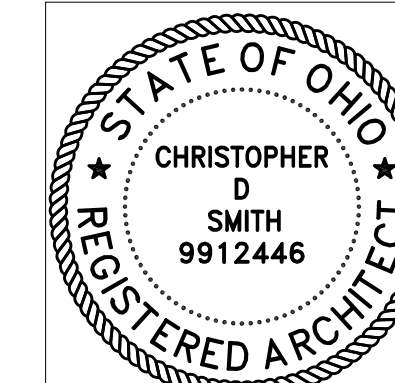
ANNE E. BINGHAM, BOARD OF EDUCATION CHAIR

Architect :

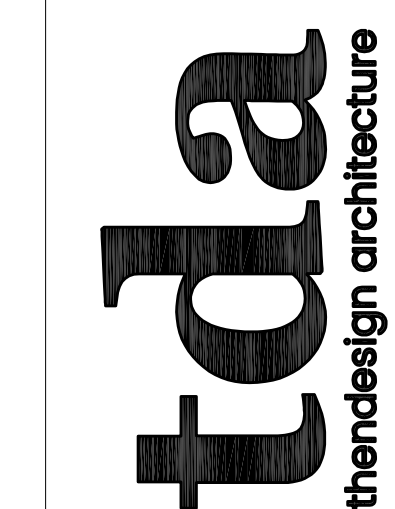


4230 RIVER STREET, WILLOUGHBY, OHIO 44094

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CHRISTOPHER D. SMITH LICENSE #9912446  
EXPIRATION DATE: 12/31/2023

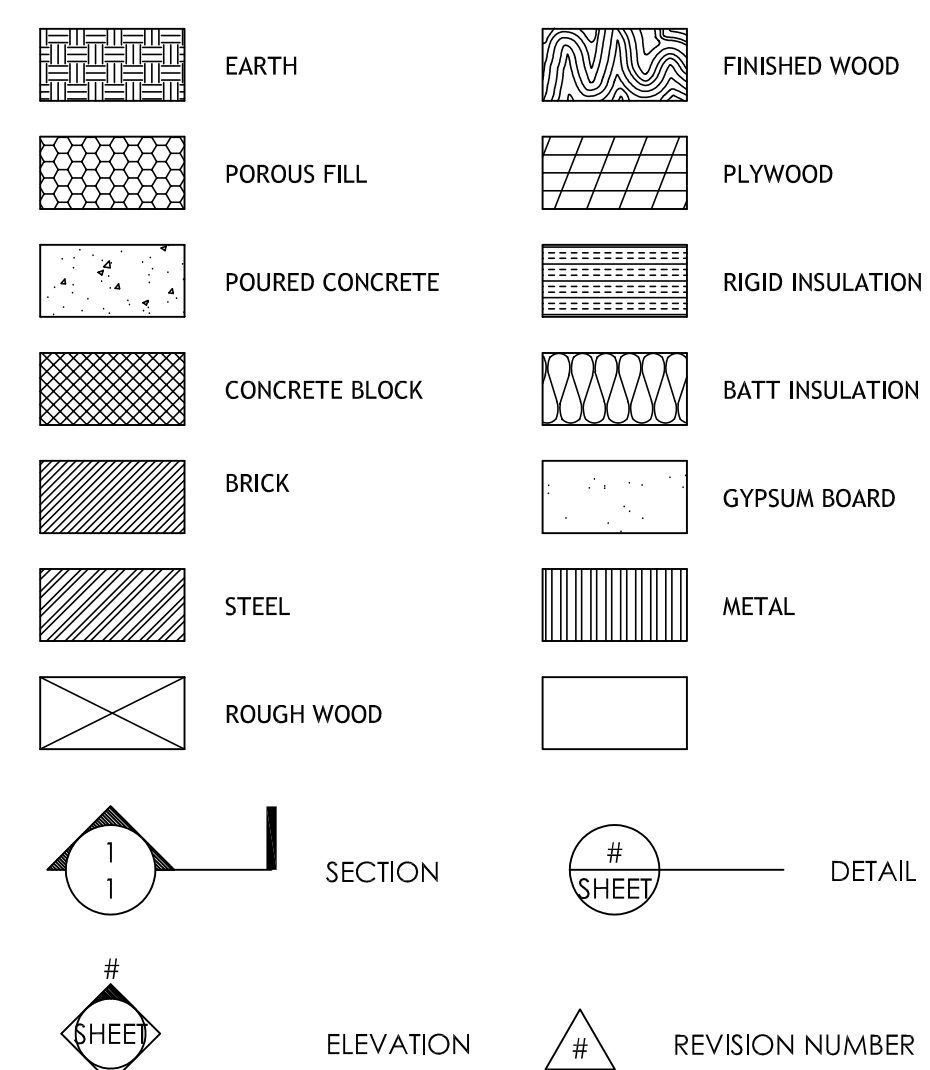


CMSD - DAVIS A & M SCHOOL, GROUND FLR. RENOVATION  
1410 LAKESIDE AVE., CLEVELAND, OHIO 44114

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### symbols & materials



### abbreviations

AB	ANCHOR BOLT	HM	HOLLOW METAL
ACT	ACOUSTIC CEILING TILE	HR	HOUR
ADJ	ADJUSTABLE	HT	HEIGHT
AFF	ABOVE FINISH FLOOR	HVAC	HEATING, VENTILATING AIR CONDITIONING
ALT	ALTERNATE	INSUL	INSULATION
ALUM	ALUMINUM	JB	JUNCTION BOX
ARCH	ARCHITECTURAL	LF	LINEAL FEET
BJ	BAR JOIST	LG	LONG
BLK	BLOCK	LLH	LONG LEG HORIZONTAL
BLKG	BLOCKING	LLR	LONG LEG VERTICAL
BM	BEAM	MAS	MASONRY
BRG	BEARING	MFR	MANUFACTURER
BRK	BRICK	MECH	MECHANICAL
BTM	BOTTOM	MO	MASONRY OPENING
C/C	CENTER TO CENTER	MTL	METAL
CJ	CONTROL JOINT	NIC	NOT IN CONTRACT
CKT	CIRCUIT	NTS	NOT TO SCALE
CLG	CEILING	O/C	ON CENTER
COL	COLLUMN	PL	PLATE, PROPERTY LINE
CONC	CONCRETE	PR	PAIR
CONST	CONSTRUCTION	PT	PRESERVATIVE TREATED
CONT	CONTINUOUS	RAD	RADIUS
CONTR	CONTRACTOR	REIN	REINFORCE (ED) (ING)
CL	CENTERLINE	REP	REPRESENTATIVE
CAU	CONCRETE MASONRY UNIT	REQD	REQUIRED
CRS	COURSE	SF	SQUARE FEET
DEM	DEMISING	SPEC	SPECIFICATIONS
DIA	DIAMETER	STRUCT	STRUCTURAL
DNM	DIMENSION	SS	STEEL
DN	DOWN	ST	STAINLESS STEEL
DS	DOWNSPOUT	T/BM	TOP OF BEAM
DW	DRYWALL	TEMP	TEMPERED
DWG	DRAWINGS	TG	TRUSS GIRDER
EF	EACH FACE	T&G	TONGUE AND GROOVE
ELEC	ELECTRICAL	T/JST	TOP OF JOIST
EW	EACH WAY	T/ST	TOP OF STEEL
EXT	EXTERIOR	T/M	TOP OF MASONRY
FIN	FINISH	TOS	TOP OF SLAB
FM	FACTORY MUTUAL	UNT	UNTYPICAL
FR	FIRE RATED	UNO	UNLESS NOTED OTHERWISE
FT	FOOTING	V	VINYL TILE
GA	GAUGE	VCT	VINYL COMPOSITION TILE
GALV	GALVANIZED	WVC	VINYL WALL COVERING
GWB	GYP/SUM WALL BOARD	W/	WITHOUT
HC	HANDICAPPED	W/O	WITHOUT

### general notes

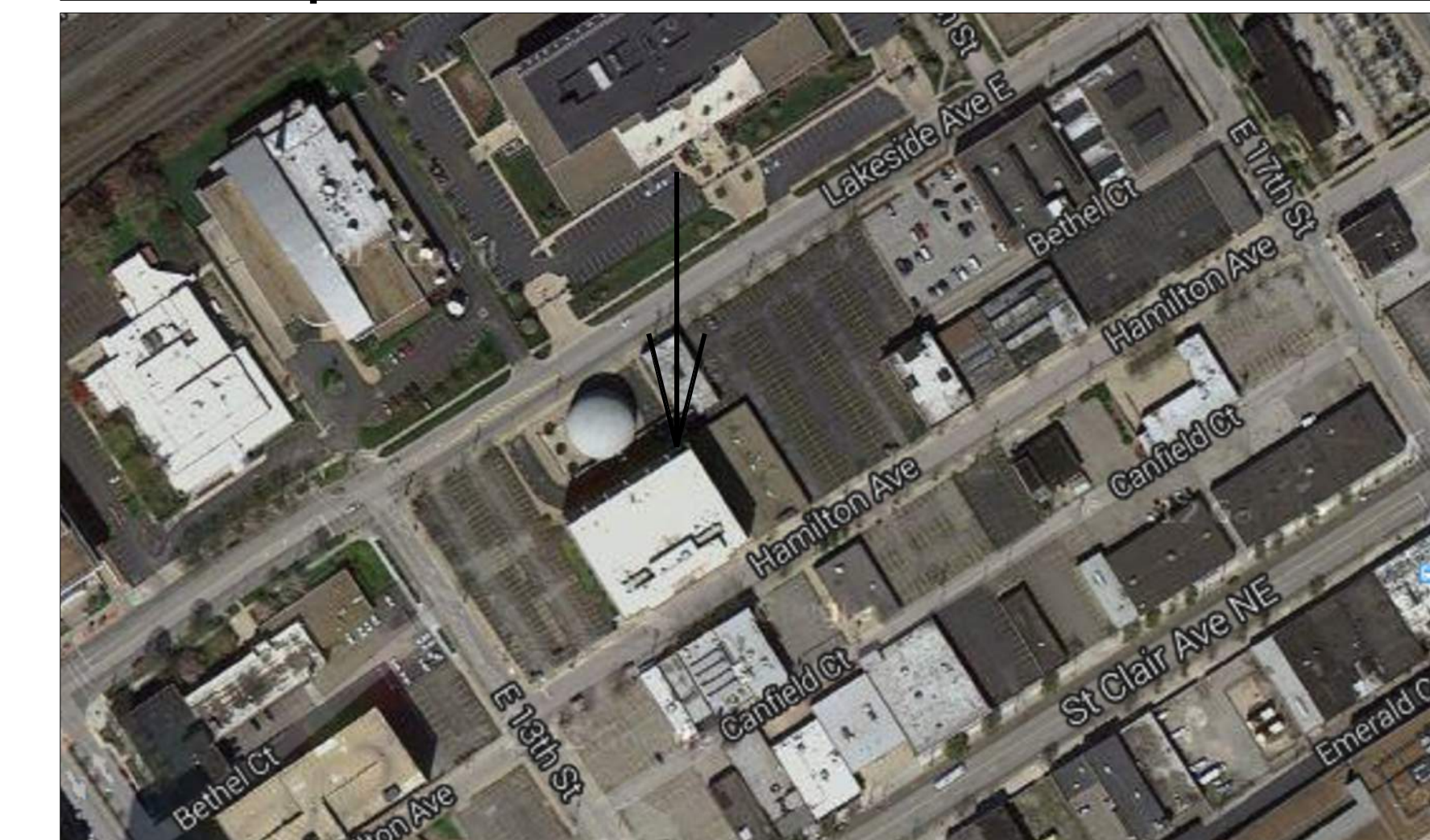
#### DIVISION 1 GENERAL INFORMATION

- A. GENERAL
1. Conform to all general and special conditions of contract as specified by Architect and Owner
  2. Specifications are applicable to all Contractors and/or Subcontractors.
  3. Check other plans and specifications and fully coordinate with other systems and grades.
  4. The drawings and project manual, where applicable, are intended to supplement each other and any material or labor called for in one shall be furnished even though not specifically mentioned in both.
  5. Drawings are diagrammatic and are intended to show approximate locations. Dimensions given on the plans in figures shall take precedence over scaled dimensions, and all dimensions, whether figured or scaled, shall be verified in the field.
  6. The architect reserves the right to make minor changes in location up to the time of installing without additional cost.
  7. Visit site, check facilities and conditions, and take all items into consideration in bid. Contractor to review and become familiar with all existing conditions prior to commencing work. Any conditions not documented on these drawings or observed to be different than those shown on these drawings are to be reported to the architect, prior to beginning work.
  8. Systems are to be complete and workable in all respects, placed in operation and properly adjusted.
  9. Each Contractor shall provide for his own clean up, removal and legal disposal of all rubbish on a daily basis or as directed by Owner's representative.
  10. Fully coordinate all work with other Contractors, Subcontractors, and the Owner and cooperate completely.
  11. The Contractor shall take all precautions necessary to secure the area of work.
  12. Arrange for and obtain Owner's permission for any service shutdowns required under this contract.
  13. Parking at the site by all construction staff shall be limited to only the areas designated by the Owner.
  14. Contractor to contact local utilities, if necessary, submit all applicable permit documents, qualifications, etc., and be responsible for all fees associated with permits, utility extensions, tap-ins, etc. Architect to submit documents for permit plan review and owner review; however, the contractor will be responsible for obtaining the permits and all permit and inspection costs.
  15. The Contractor shall protect existing facilities, equipment, fixtures, etc. from damage during the course of construction.
  16. All damaged surfaces and/or finishes as a result of and adjacent to the work shall be repaired and finished to their original condition.
  17. The Contractor shall be solely responsible for construction means, methods, sequences of construction and the safety of workmen.
  18. Demolition and/or removal of existing pavement, equipment, etc. may necessitate the removal or relocation of existing piping, conduit, services, etc. Such removal and relocation shall be considered part of the demolition work without additional cost, whether or not specifically shown on the drawings or listed in the specifications.
  19. The contractor shall schedule his work and material and equipment deliveries so as not to interfere with the daily operations of the facility.
  20. Prior to completion, clean premises for occupancy by owner. cleaning shall include, but not be limited to the following:
    - removal of grease, mastic, adhesive, dust, dirt, stains, labels and other foreign materials from exposed surfaces.
    - the external surface of all equipment shall be cleaned at the completion of the work to remove all concrete, dust and dirt, welding and cutting spatter, etc.
    - prior to final completion, or owner occupancy, contractor shall conduct an inspection of sight-exposed surfaces, and all work areas, to verify that the entire work is clean.
- B. CODES, STANDARDS AND REGULATIONS
1. Conform to all applicable codes and government regulations.
  2. Obtain permits and pay all fees. Arrange for all required inspections and approvals.
- C. BASE EQUIPMENT AND MATERIALS AND SUBSTITUTIONS
1. All equipment and materials shall be new and free of defects.
  2. Base equipment, manufacturer, model, and capacity of equipment are listed on the drawings or in this specification. Any other manufacturer is considered a substitution.
  3. Substitutions are subject to the approval of the Owner. If a substitution is submitted, include complete performance data for evaluation.
  4. If substitutions are approved, notify all other Contractors and Subcontractors of trades affected by the substitutions and fully coordinate. Any costs resulting from substitution, whether by Contractor or others, shall be the responsibility of and paid for by the substituting Contractor.
  5. All equipment shall be installed in full accordance with the manufacturer's data and installation instructions. It is the Contractor's responsibility to check and conform to these requirements prior to starting work.
- D. WARRANTY
1. Fully warrant all materials, equipment, and workmanship for one (1) year from date of acceptance, unless noted otherwise.
  2. Repair or replace without charge to the Owner all items found defective during the warranty period.

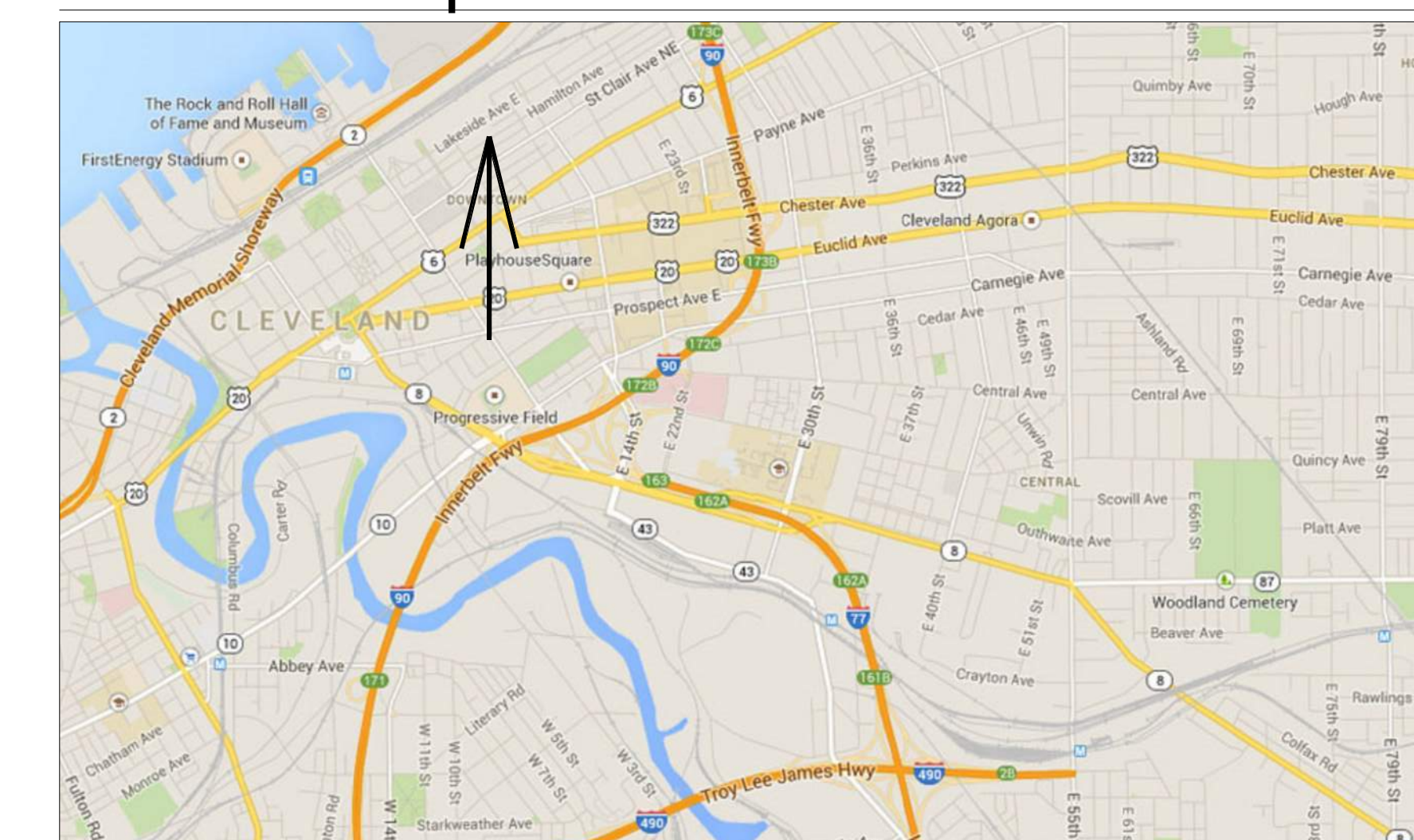
### code review notes:

USE GROUP: "E"  
CONSTRUCTION CLASSIFICATION: 2B  
FIRE PROTECTION: EXTEND & MODIFY EXISTING SPRINKLER SYSTEM  
FLOOR AREA: 17,747 SF EXISTING GROUND FLOOR AREA. RENOVATION AREA IS ON THE GROUND FLOOR.  
RENOVATION AREA: 2,823 SF ON THE GROUND FLOOR OF THE EXISTING BUILDING. PROJECT IS INTERIOR RENOVATION WORK ONLY.  
EXITS: GROUND FLOOR OCCUPANCY, 296. REQUIRED EXITS (3), EXITS EXISTING, (3) EXISTING EXITS.  
PLUMBING; 296 OCCUPANTS. E USE GROUP = 1/50 MEN/WOMEN WC & LAVS. 148 MEN & 148 WOMEN.  
REQUIRED: (3) WCLAVS MEN & (3) WCLAVS WOMEN. (1) SERVICE SINK. (3) DRINKING FOUNTAINS.  
PROVIDED: (5 WC & 3 URINALS) MEN & (8) WCLAVS WOMEN. (1) SERVICE SINK. (4) DRINKING FOUNTAINS.

### site map



### location map



no.	description	date
Sheet Revisions		

no.	description	date
01	PLAN REV 6 BID	08.05.2022

Project Issues

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COVER SHEET

drawn by: ERS

checked by: JH

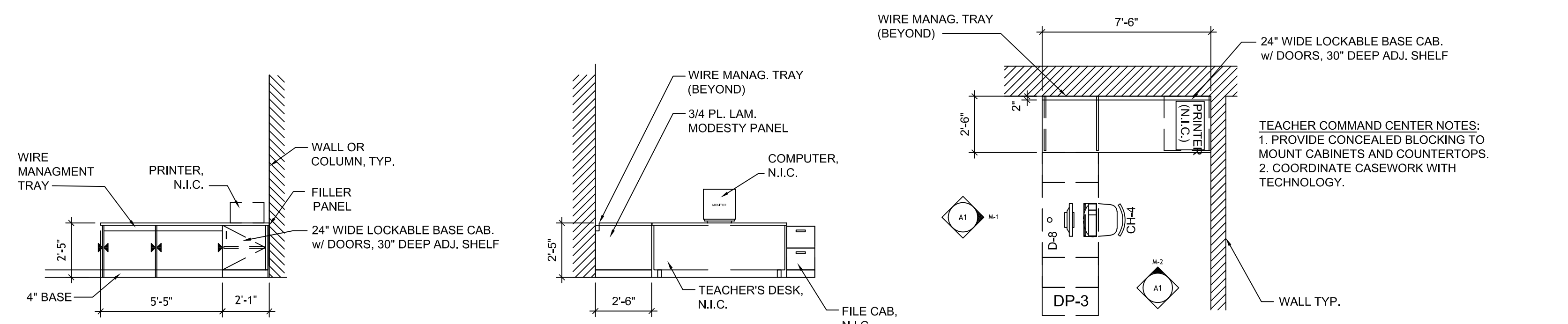
sheet number: CS

job number: 22019

no.	description	date
Sheet Revisions		
Project Issues		
01	PLAN REV & BID	08.05.2022

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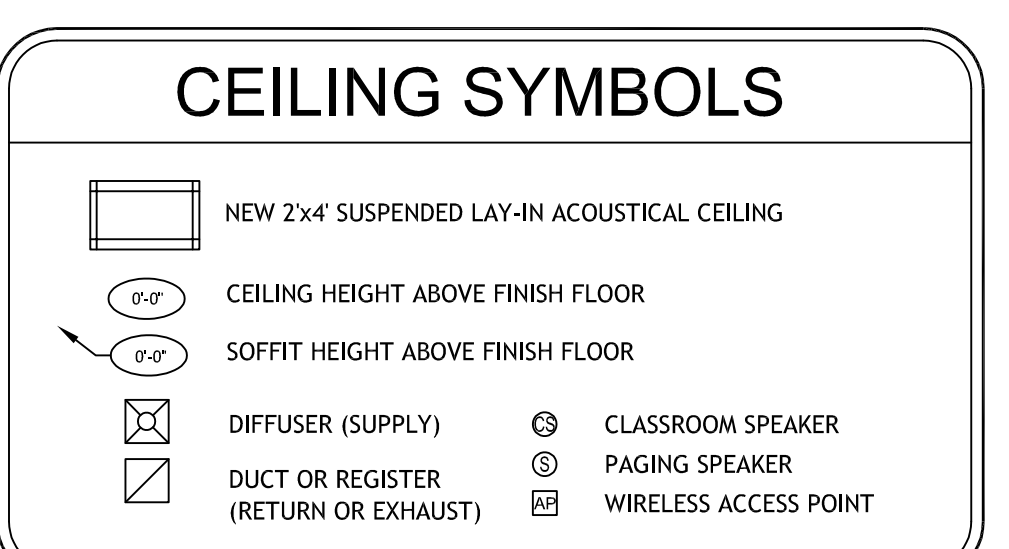
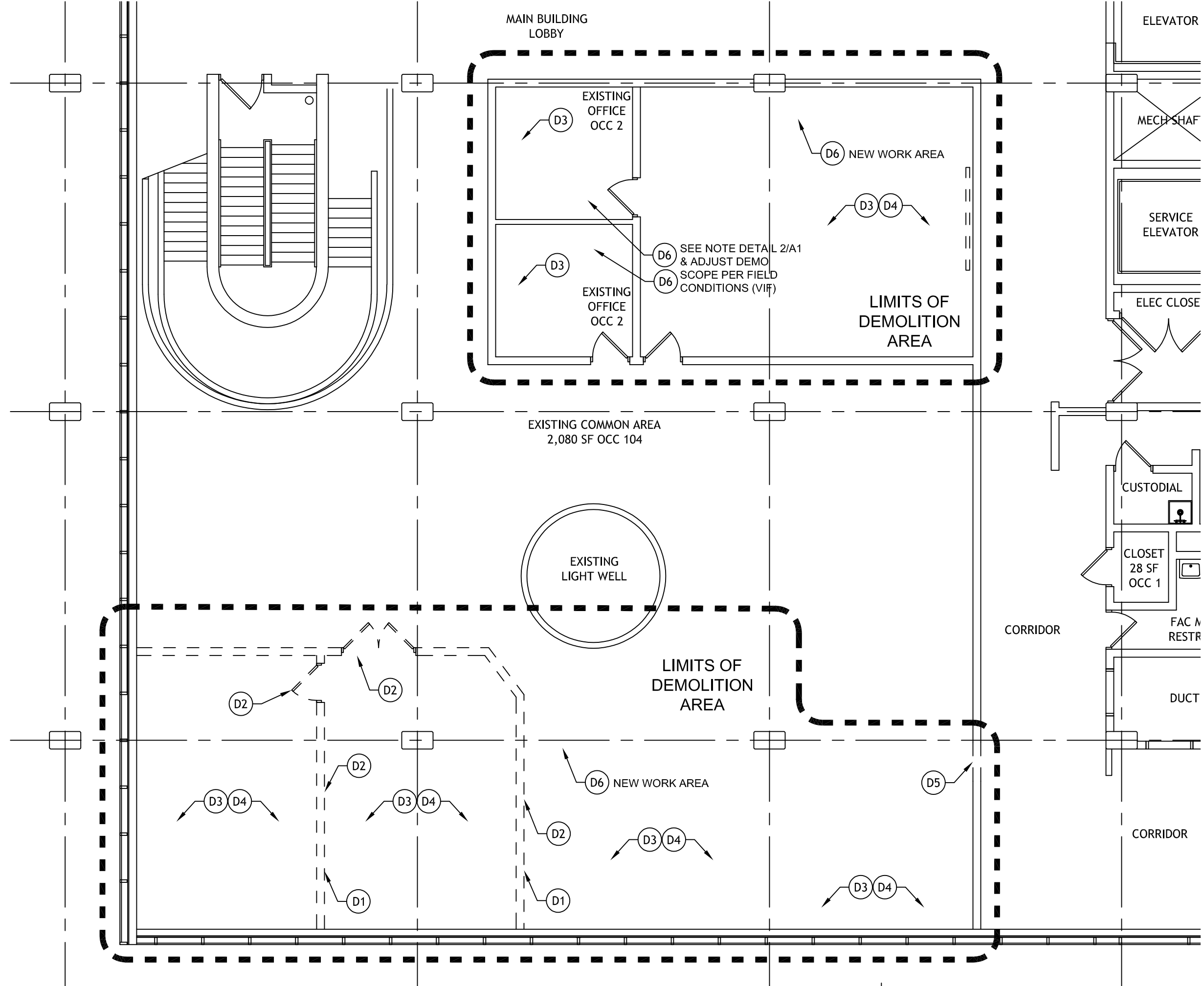
sheet name: GROUND FLOOR RENOVATION PLANS  
drawn by: ERS  
checked by: JH  
sheet number: A1  
job number: 22019



### NEW WORK KEYED NOTES

### GENERAL NOTES

- ALL NEW WALLS TO BE 5/8" ABUSE-RESISTANT GYPSUM BOARD ON EACH SIDE ON 20 GA. 6" METAL STUDS @ 16" O.C. PROVIDE SOUND BATT INSULATION IN ALL NEW WALLS. FOR CHASE OR FURRING WALLS JUST PROVIDE 5/8" GYP. BD. ONE SIDE. TAKE ALL WALLS TO FLOOR DECK ABOVE.
- PATCH & MATCH AT ALL LOCATIONS WHERE EXISTING WALLS OR OTHER ITEMS WERE REMOVED.
- PROVIDE NEW BRACKET MOUNTED FIRE EXTINGUISHERS WHERE NOTED AS "FE".
- PROVIDE GRADE 1 BRUSHED STAINLESS STEEL HARDWARE ON ALL NEW DOORS. KEY HARDWARE AS REQUIRED BY OWNER. HARDWARE TO MATCH DISTRICT'S STANDARDS & PREFERRED MANUFACTURER.
- SEE FURNITURE DRAWINGS FOR FURNISHINGS AND COORDINATE ALL RELATED REQUIREMENTS.
- IN AREAS TO BE PAINTED, PAINT COLORS ARE TO INCLUDE (1) FIELD COLOR AND (2) ACCENT COLORS - ONE FOR "TEACHING WALL", ONE FOR THE REMAINING WALLS, AND ONE FOR TRIM, ETC.
- SALVAGE ALL TACK BOARDS AND MARKER BOARDS THAT INTERFERE WITH NEW WORK OR DEMOLITION. RELOCATE IN FIELD AS DIRECTED. VERIFY REQUIREMENTS IN FIELD WITH THE OWNER.
- PROVIDE ALL BLOCKING AS REQUIRED TO PROPERLY INSTALL RECESSED AND WALL MOUNTED EQUIPMENT AND CASEWORK.
- PROVIDE NEW MARKER BOARDS AND TACK BOARDS WHERE NOTED AS "4M" OR "4T". THE NUMBER IS THE FEET OF BOARD LENGTH REQUIRED. THE "T" IS FOR TACK BOARDS AND THE "M" IS FOR MARKER BOARDS. "IFP" STANDS FOR INTERACTIVE FLAT PANEL TV. THESE ARE PROVIDED BY OWNER & INSTALLED BY CONTRACTOR. COORDINATE ALL TECH & ELEC AND WALL BLOCKING.
- THIS CONTRACT REQUIRES COMPLETE, FINISHED WORKABLE PROJECT OF THE AREAS INDICATED. BY THE CONTRACT DOCUMENTS, AND SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY TO COMPLETE, REGARDLESS OF WHETHER OR NOT ALL WORK OR EACH ITEM IS SPECIFICALLY INDICATED ON ANY OTHER PORTION OF THE DRAWINGS AND/OR NOTES.
- CONTRACTOR IS RESPONSIBLE TO VERIFY ALL SITE AND FIELD AND CONDITIONS PRIOR TO SUBMITTING BIDS AND COMMENCING WORK. IF THERE ARE ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS, NOTIFY THE CONSTRUCTION MANAGER AND ARCHITECT / ENGINEER AND REQUEST CLARIFICATION.
- CONTRACTOR SHALL OBTAIN FROM OWNER ALL REQUIREMENTS FOR INSTALLATION OF OWNER PROVIDED EQUIPMENT INCLUDING ROUGHING DIAGRAMS, INSTALLATION INSTRUCTIONS, ELECTRICAL SCHEMATICS, TEMPLATES, LAYOUTS AND DIMENSIONS AND ALL OTHER INFORMATION NECESSARY FOR A PROPER, WELL COORDINATED INSTALLATION. PRIOR TO ROUGH-IN OF SERVICES, CONFER WITH OWNER EXACT LOCATION OF ALL ITEMS.
- ALL CONTRACTORS ARE TO COORDINATE THE WORK OF EACH OTHER, SO THAT THE WORK AND SCHEDULE ARE NOT IMPEDED. SCHEDULE WORK PROGRESS THROUGHOUT THE ENTIRE PROJECT TO PREVENT CONFLICTS AND INTERFERENCES. OBTAIN ALL NECESSARY INFORMATION SUCH AS SIZES, LOCATIONS, TEMPLATES, LAYOUT, DIMENSIONS AND ALL OTHER INFORMATION NECESSARY FOR A PROPER AND WELL COORDINATED INSTALLATION. PRIOR TO INSTALLATION OF ITEMS, VERIFY AND CONFIRM WITH EACH CONTRACTOR EXACT LOCATION OF ALL ITEMS.
- PRIOR TO COMPLETION, CLEAN PREMISES FOR OCCUPANCY BY OWNER. CLEANING SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
  - REMOVAL OF GREASE, MASTIC, ADHESIVE, DUST, DIRT, STAINS, LABELS AND OTHER FOREIGN MATERIALS FROM EXPOSED SURFACES.
  - THE EXTERNAL SURFACE OF ALL EQUIPMENT SHALL BE CLEANED AT THE COMPLETION OF THE WORK TO REMOVE ALL CONCRETE, DUST AND DIRT, WELDING AND CUTTING SPLATTER, ETC.
  - PRIOR TO FINAL COMPLETION, OR OWNER OCCUPANCY, CONTRACTOR SHALL CONDUCT AN INSPECTION OF SIGHT-EXPOSED SURFACES, AND ALL WORK AREAS, TO VERIFY THAT THE ENTIRE WORK IS CLEAN.
- SQUARE FOOTAGES SHOWN ON PLANS ARE FOR SCHOOL USE ONLY. CONTRACTOR TO VERIFY ALL SQUARE FOOTAGES.
- CASEWORK IS BY CONTRACTOR. FURNITURE IS BY OWNER.
- ARCHITECT TO SELECT ALL FINAL FINISH SELECTIONS DURING SHOP DRAWING PHASE.



#### DEMOLITION KEYED NOTES

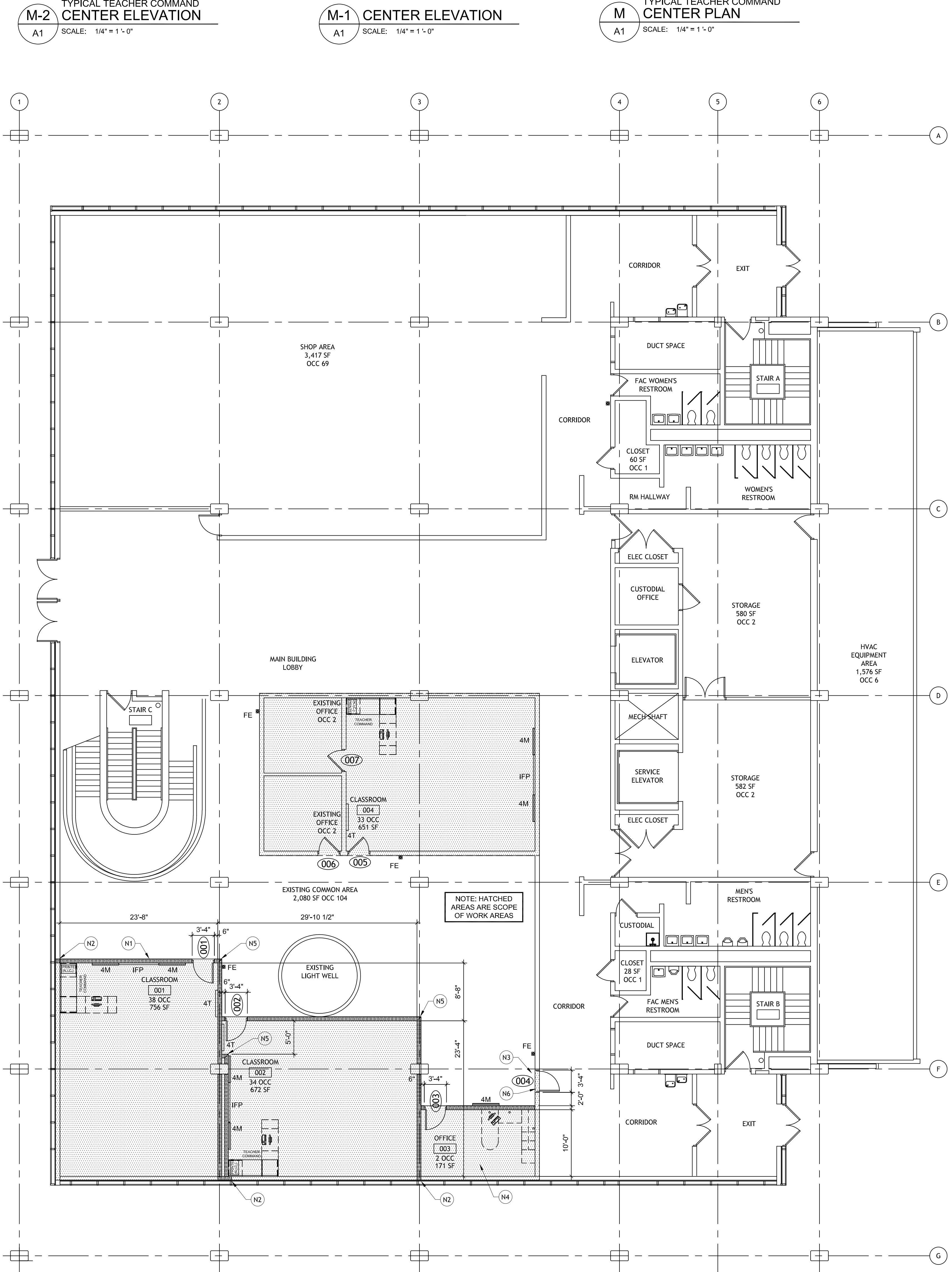
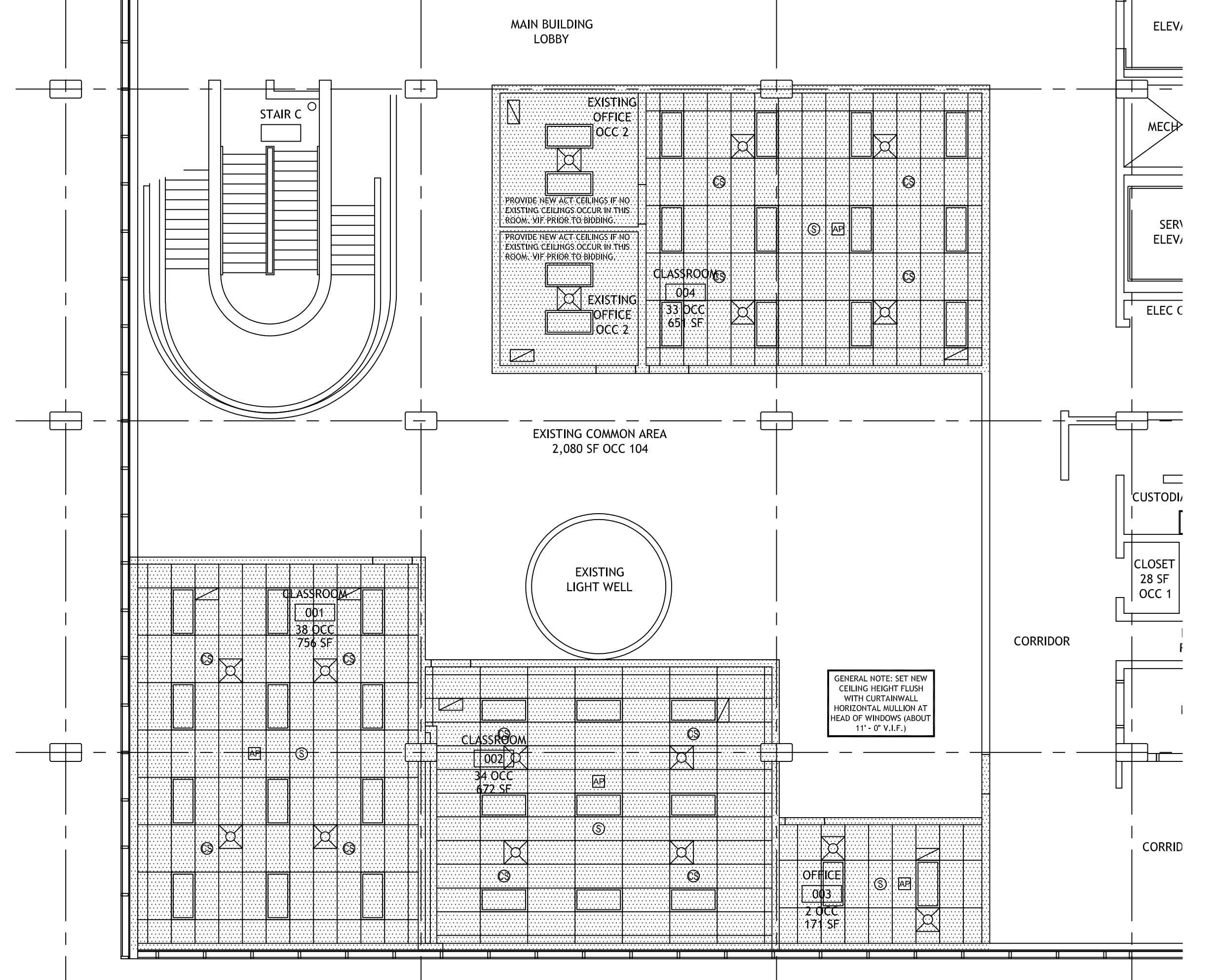
- REMOVE EXISTING WALL(S) OR PORTION OF WALL AS SHOWN.
- REMOVE EXISTING DOORS AND FRAMES.
- REMOVE EXISTING FLOORING AND ALL MASTIC. PREP SLAB AS REQUIRED BY MANUFACTURER OF NEW FLOORING.
- REMOVE EXISTING CEILINGS IF THEY OCCUR.
- REMOVE PORTION OF WALL IN PREPARATION FOR NEW DOOR.
- CAREFULLY REMOVE PORTIONS OF EXISTING LATTICE CEILING IN PREPARATION FOR NEW ACT CEILING IN PROJECT AREAS. DO NOT REMOVE MORE THAN REQUIRED FOR NEW WORK. HEADER OFF EXISTING LATTICE TO REMAIN & PAINT; CUT, NEW, OR DAMAGED SECTIONS TO MATCH.

#### GENERAL NOTES

- REMOVE EXISTING TACK BOARDS AND OTHER SIMILAR ITEMS ON THE WALLS AS DIRECTED BY THE OWNER WHERE THEY CONFLICT WITH NEW LAYOUT REQUIREMENTS. TURN ITEMS OVER TO THE OWNER AS DIRECTED. CONFIRM ALL ITEMS TO BE REMOVED PRIOR TO REMOVAL.
- SEE MECHANICAL, ELECTRICAL, PLUMBING, AND TECHNOLOGY DRAWINGS FOR REQUIRED ADDITIONAL DEMOLITION.
- DO NOT DEMOLISH MORE THAN REQUIRED FOR NEW WORK AND SCOPE. PROTECT ALL AREAS AND MATERIALS NOT IN PROJECT SCOPE FROM DAMAGE. DISPOSE OF ALL MATERIALS IN A LEGAL MANNER.

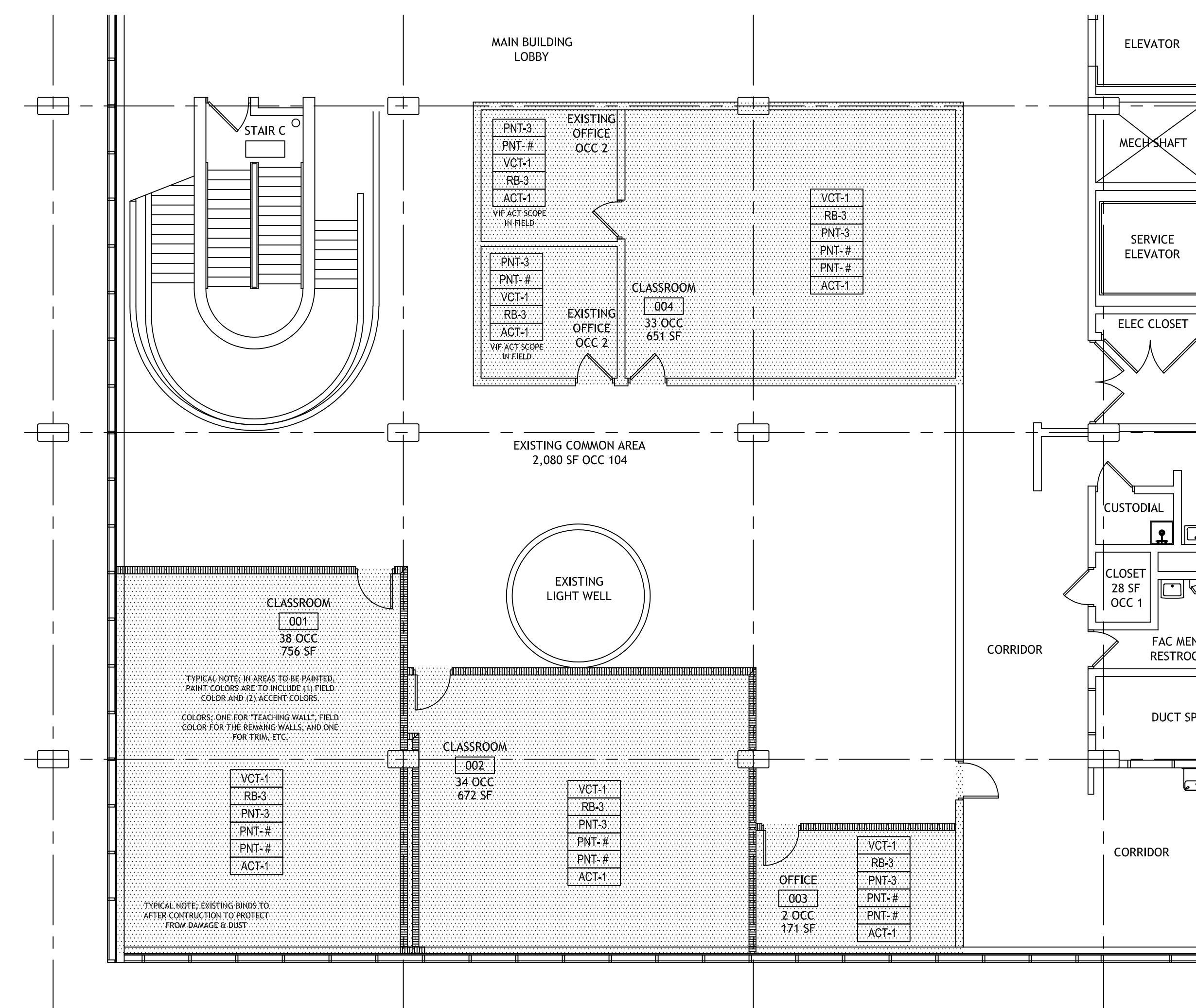
#### CEILING NOTES

- CEILING PLANS MAY NOT INDICATE ALL MECHANICAL/ELECTRICAL CEILING ITEMS. SEE MECHANICAL/ELECTRICAL DRAWINGS FOR ALL CEILING ITEMS.
- SUSPENDED GRID CEILINGS SHALL BE ARRANGED SO THAT GRID IS SPACED EQUALLY FROM MOST REMOTE WALL IN EACH DIRECTION, WITH NO TILE LESS THAN 6" UNLESS OTHERWISE INDICATED.
- ALL CEILING MOUNTED OBJECTS SHALL BE CENTERED IN TILE, UNLESS DIMENSIONED OTHERWISE.

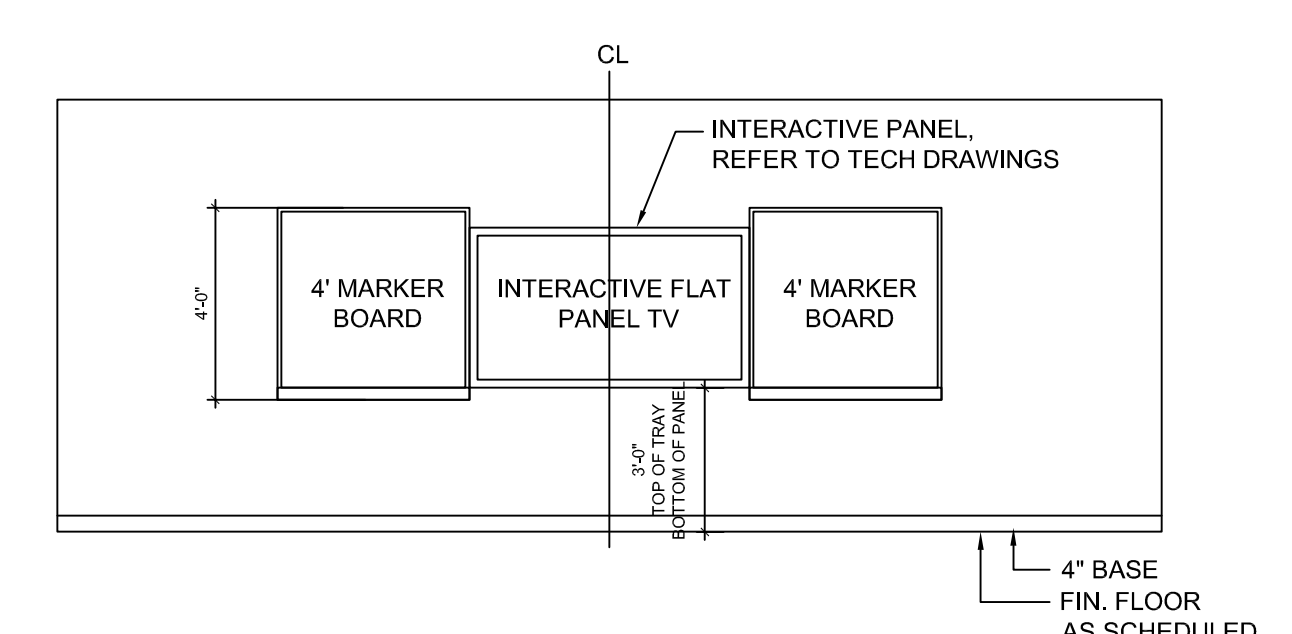


1 GROUND FLOOR PLAN  
SCALE: 1/8" = 1'-0"

ROOM FINISH KEY			
FLOORS	BASE	WALLS	MISCELLANEOUS
EXISTING CPT-1 CARPET - MODLAR MANUFACTURER: MOHAWK PATTERN: HEM GT295 COLOR: 085 BUCKOUT SIZE: 12' X 36' INSTALLATION: VERTICAL ASHLAR CS CONCRETE, SEALED	EXISTING RB-1 RUBBER BASE MANUFACTURER: JOHNSONITE STYLE: COVE COLOR: 485 SEAFARER SIZE: 4" HIGH, COIL	PNT-5 PAINT - CEILING MANUFACTURER: SHERWIN WILLIAMS COLOR: SW709 EXTRA WHITE FINISH: (1) COAT LATEX PRIMER, (2) COATS LATEX FLAT WALL PAINT	PL-1 PLASTIC LAMINATE - CASEWORK MANUFACTURER: WILSONART COLOR: 107765 KENSINGTON MAPLE 3/4" PVC KENSINGTON MAPLE
RAF-1 RESILIENT ATHLETIC FLOORING MANUFACTURER: TARNETT SPORTS PATTERN: OMINISPORTS 8.1 COLOR: WOOD, GREY MAPLE	RB-2 RUBBER BASE MANUFACTURER: JOHNSONITE STYLE: COVE COLOR: T81 FLAME SIZE: 4" HIGH, COIL	CEILING & TRIM ACT-1 ACOUSTICAL CEILING TILE MANUFACTURER: UEG STYLE: RADAR CLIMAPLUS - HIGH NRC, HIGH CRC ITEM 2041 EDGE: SQUARE COLOR: WHITE SIZE: 24" X 48"	PL-2 PLASTIC LAMINATE - COUNTERTOPS MANUFACTURER: FORMICA COLOR: 861456 DRUM TWEEL 3/4" PVC DOELLEN COLOR: BRITANNY BLUE
RAF-2 RESILIENT ATHLETIC FLOORING MANUFACTURER: TARNETT SPORTS PATTERN: OMINISPORTS 8.1 COLOR: SOLID, ROYAL BLUE	RB-3 RUBBER BASE MANUFACTURER: JOHNSONITE STYLE: COVE COLOR: 3122 PHYR SIZE: 4" HIGH, COIL	MISCELLANEOUS WS-1 WINDOW SHADES MANUFACTURER: TEB STYLE: MANUAL ROLLER SHADES FASCIA COLOR: TEB SHADES/CLOTH: TEB BASKET WEAVE 5300, REBES (3/SOPEN) SHADES/CLOTH COLOR: TEB	PL-3 PLASTIC LAMINATE - CASEWORK MANUFACTURER: WILSONART COLOR: 647458 SEASONED PLANKED ELM 3/4" PVC DOELLEN COLOR: SLATE GREY
RAF-3 RUBBER ATHLETIC TILE MANUFACTURER: ROPPE PATTERN: RIGOL COLOR: 378 COBALT/LIGHT GRAY SIZE: 36" X 36"	RB-4 RUBBER BASE MANUFACTURER: JOHNSONITE STYLE: COVE COLOR: 56 SILVER GREY SIZE: 4" HIGH, COIL	WC-1 WALLCOVERING / TACKBOARD MANUFACTURER: POROSEAL PATTERN: DESERT SAND COLOR: FOG S21-81	PL-4 PLASTIC LAMINATE - COUNTERTOPS MANUFACTURER: WILSONART COLOR: 489548 FORGED STEEL 3/4" PVC DOELLEN COLOR: SLATE GREY
VCT-1 VINYL COMPOSITION TILE MANUFACTURER: ARMBROOKS PATTERN: STANDARD EXOLON COLOR: 51803 PEARL, WHITE SIZE: 12" X 12" INSTALLATION: LINEAR	WALLS PNT-1 PAINT: ACCENT MANUFACTURER: SHERWIN WILLIAMS COLOR: SW629 SCANDIA FINISH: (1) COAT LATEX PRIMER, (2) COATS LATEX EGG-SHELL WALL PAINT	DOORS PROVIDE WOOD DOORS TO MATCH EXISTING - WOOD TYPE AND FINISH.	NOTE: 1/4" PVC COLOR SELECTIONS SHALL MATCH THE LAMINATE COLOR. SELECTION: IF A DIRECT MATCH 1/4" PVC IS NOT AVAILABLE, THE 3/4" PVC COLOR SELECTION MAY BE USED.
	PNT-2 PAINT: ACCENT MANUFACTURER: SHERWIN WILLIAMS COLOR: SW624 PONSETTA FINISH: (1) COAT LATEX PRIMER, (2) COATS LATEX EGG-SHELL WALL PAINT		
	PNT-3 PAINT: FIELD MANUFACTURER: SHERWIN WILLIAMS COLOR: SW671 POPULAR GRAY FINISH: (1) COAT LATEX PRIMER, (2) COATS LATEX EGG-SHELL WALL PAINT		
	PNT-4 PAINT: DOOR FRAMES MANUFACTURER: SHERWIN WILLIAMS COLOR: SW672 VERSATILE GRAY FINISH: (1) COAT LATEX PRIMER, (2) COATS LATEX SEMI-GLOSS WALL PAINT		

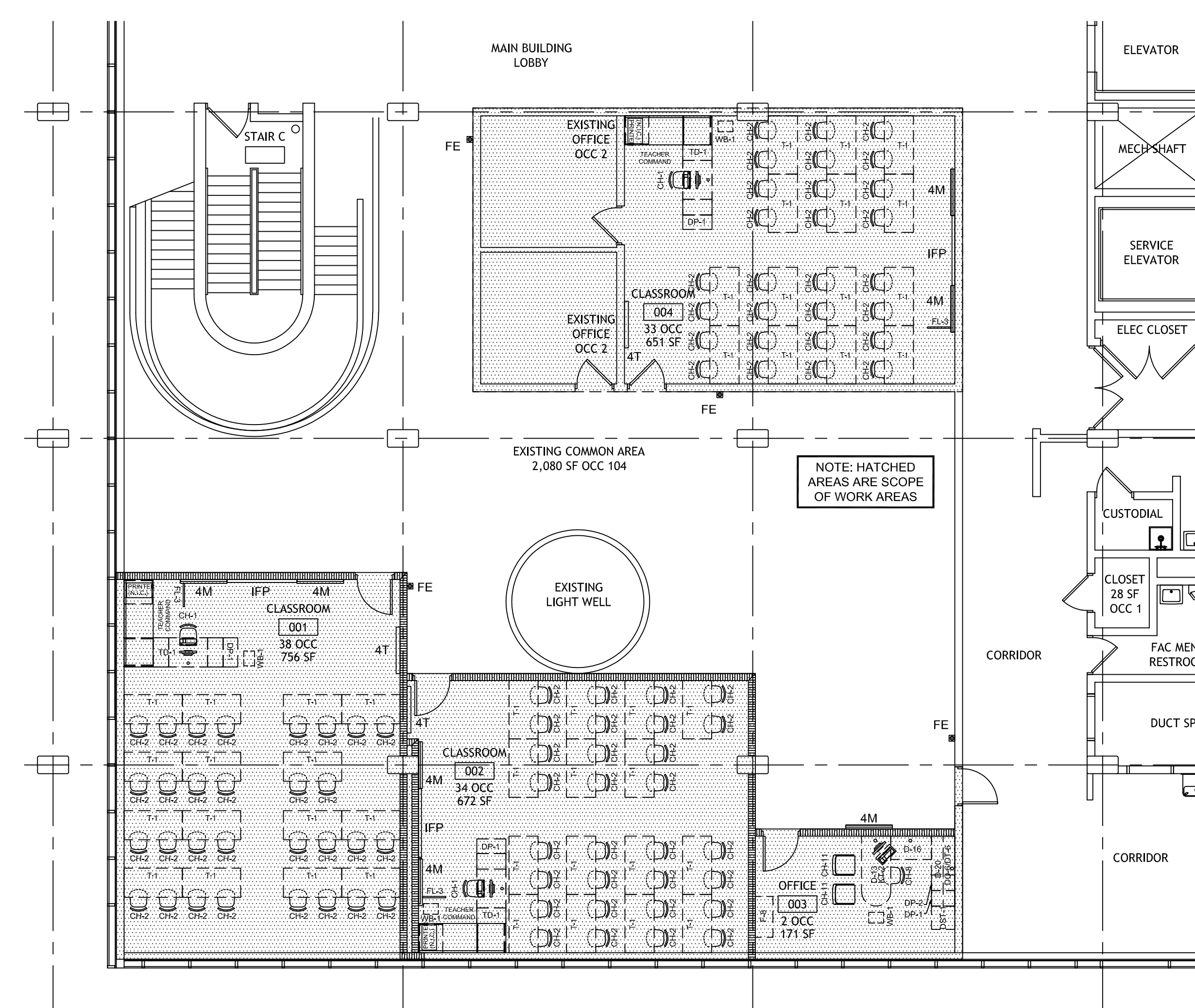


**2** GROUND FLOOR FINISHES PLAN  
A2 1/8" = 1'-0"



**3** EXAMPLE CLASSROOM ELEVATION  
A2 SCALE: 1/4" = 1'-0"

- MILLWORK NOTES**
- ITEMS DETAILED ON THIS DRAWING REFER TO SPECIFICATION SECTION 064023 "INTERIOR ARCHITECTURAL WOODWORK".
  - PROVIDE GROMMETS AT WORKSURFACES WHERE INDICATED IN PLAN.
  - PROVIDE LOCKS ON ALL CABINETS, WHICH SHALL BE KEYPED ALIKE BY GRADE LEVEL OR DEPARTMENT.
  - PROVIDE SUPPORT BRACKETS WHERE REQUIRED.
  - PROVIDE CLEAR SEALANT AT ALL JOINTS BETWEEN COUNTERTOPS, BACKSPLASHES, AND ADJOINING SURFACES.
  - PROVIDE HIGH-PRESSURE NON-DECORATIVE BACKER SHEET ON ALL CONCEALED SURFACES.
  - PROVIDE PVC EDGEBANDING ON ALL COUNTERTOP, DRAWER, DOOR, SHELF, AND BODY FRONT EDGES.
  - PROVIDE WALL SUPPORT AS REQUIRED TO INSTALL WALL-MOUNTED DEVICES, EQUIPMENT AND CASEWORK.
  - INDICATES FINISHED ENDS ON MILLWORK
  - PAPER TOWEL DISPENSER - HEIGHT VARIES ABOUT ELEVATIONS.
  - SOAP DISPENSER



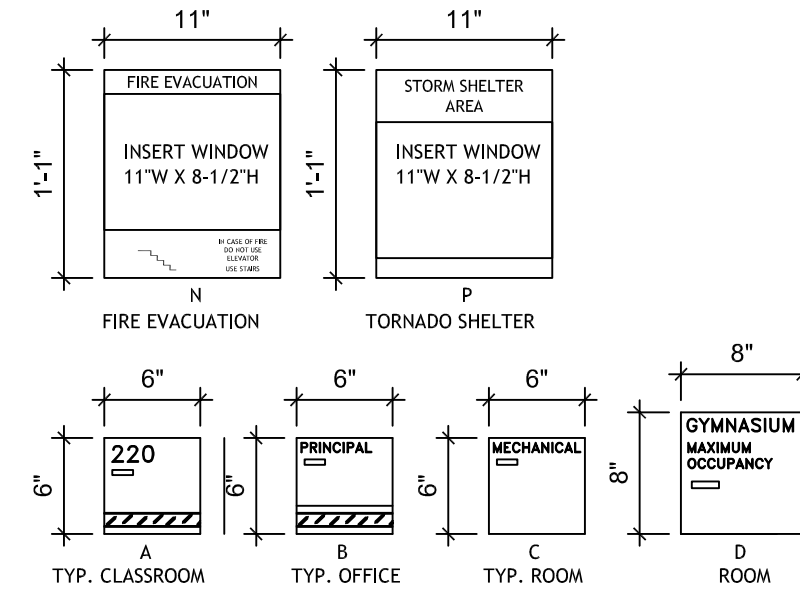
**1** GROUND FLOOR FINISHES PLAN  
A2 1/8" = 1'-0"

no.	description	date
Sheet Revisions		
01	PLAN REV & BID	08.05.2022
Project Issues		

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OWNER: FINISH & FURNITURE PLANS

drawn by: ERS  
checked by: JH  
sheet number: A2  
job number: 22019

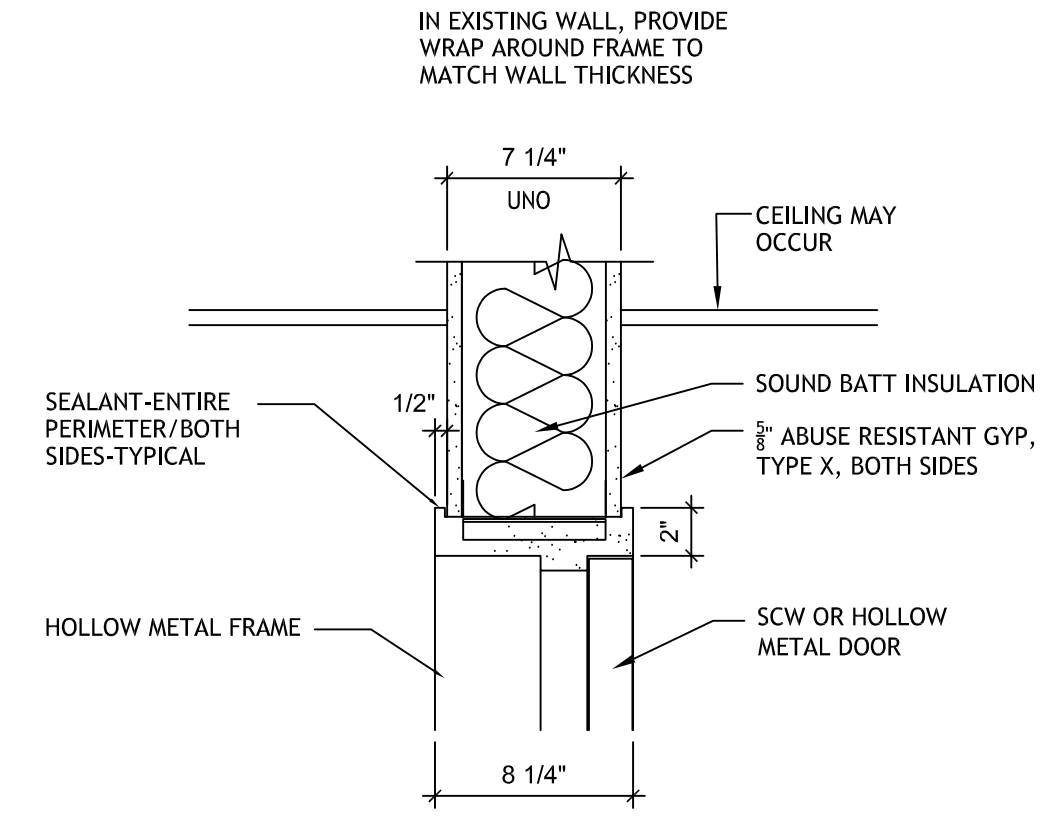
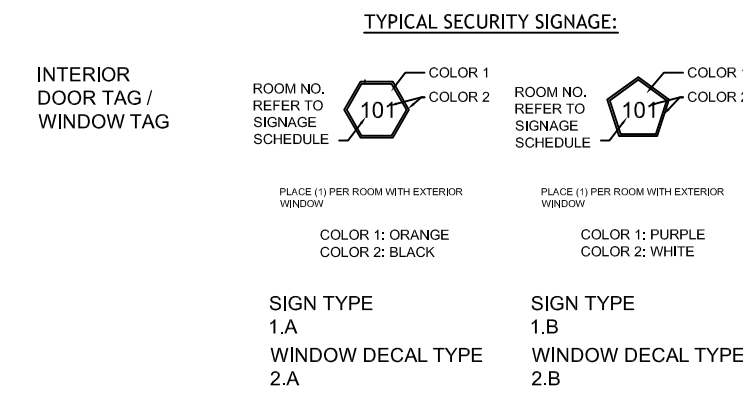


**NOTE:**  
1. ALL SIGNS TO BE MOUNTED AT 60" A.F.F. TO CENTER OF SIGN AND 2" FROM EDGE OF SIGN TO EDGE OF DOOR FRAMES ON LATCH SIDE OF DOOR IF APPLICABLE.  
2. PROVIDE & INSTALL (1) EACH TYPE "N" AND TYPE "P" SIGN NEAR THE ENTRANCES OF EVERY ASSEMBLY AND STUDENT OCCUPIED SPACE. INSERTS SHALL BE PROVIDED BY OWNER.

TYP. BRAILLE

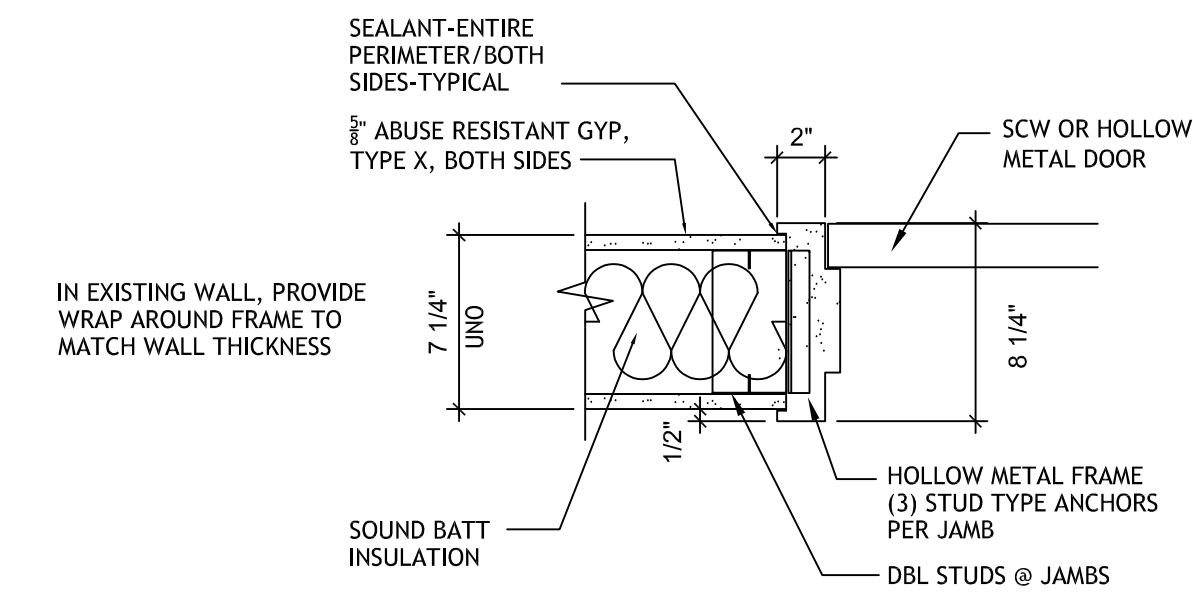
**4 SIGN TYPES**

A3 SCALE: 1" = 1'-0"



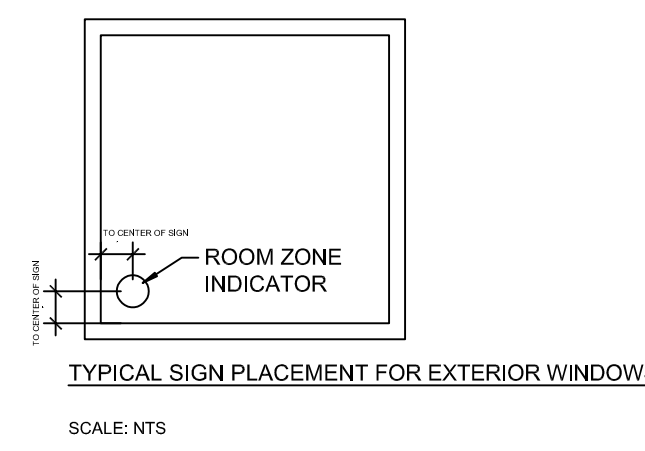
**H1 HEAD DETAIL**

A3 SCALE: 1 1/2" = 1'-0"

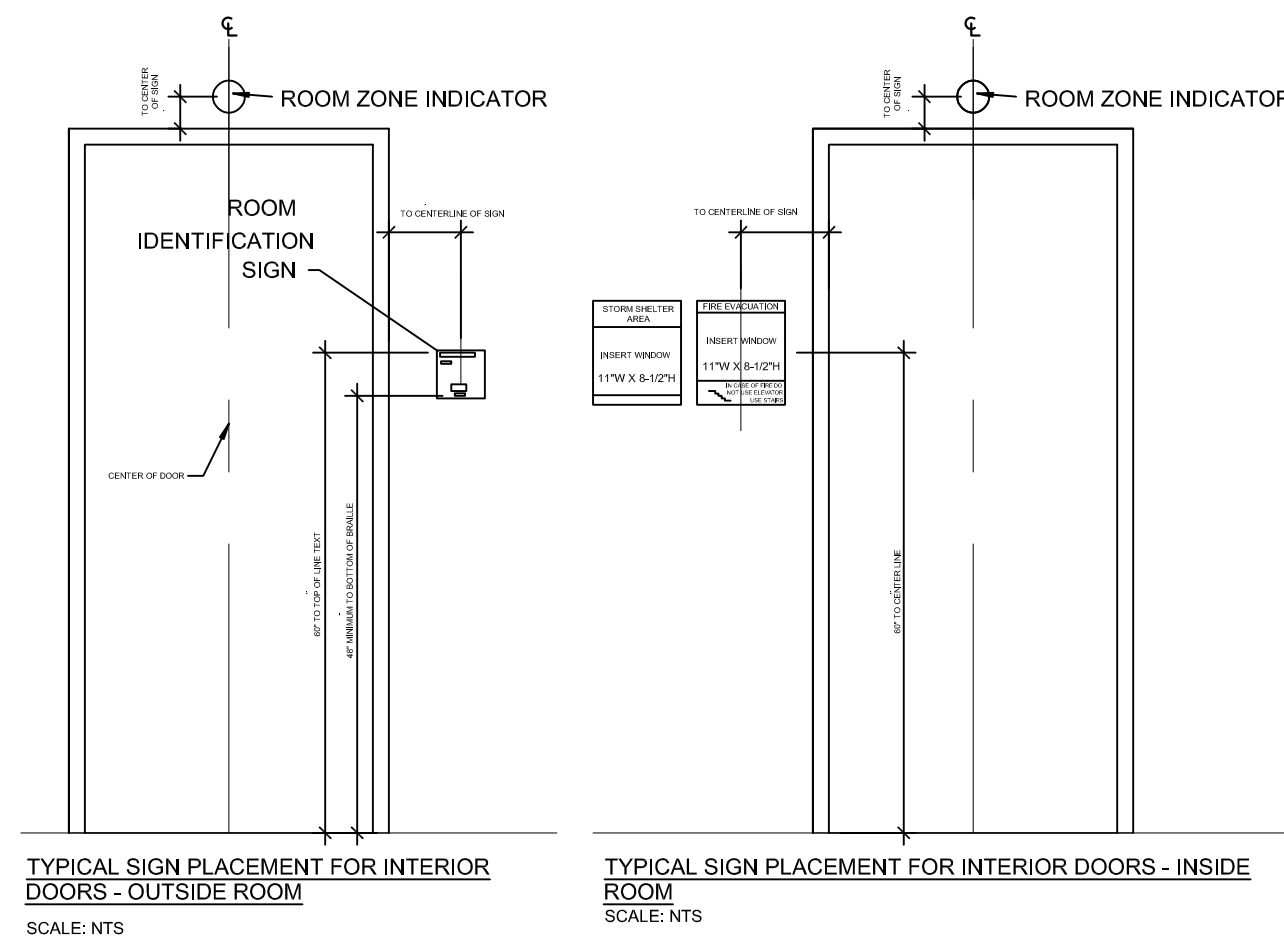


**J1 JAMB DETAIL**

A3 SCALE: 1 1/2" = 1'-0"

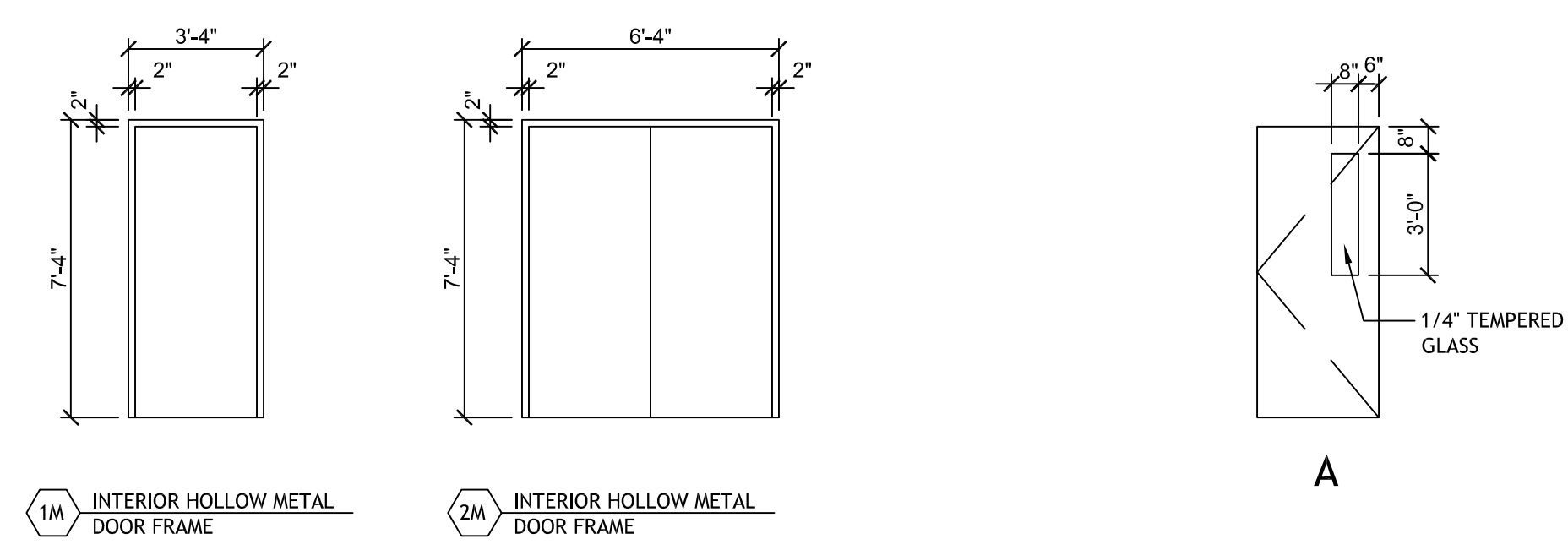


SCALE: NTS



TYPICAL SIGN PLACEMENT FOR INTERIOR DOORS - OUTSIDE ROOM  
SCALE: NTS

TYPICAL SIGN PLACEMENT FOR INTERIOR DOORS - INSIDE ROOM  
SCALE: NTS



**1M** INTERIOR HOLLOW METAL DOOR FRAME

**2M** INTERIOR HOLLOW METAL DOOR FRAME

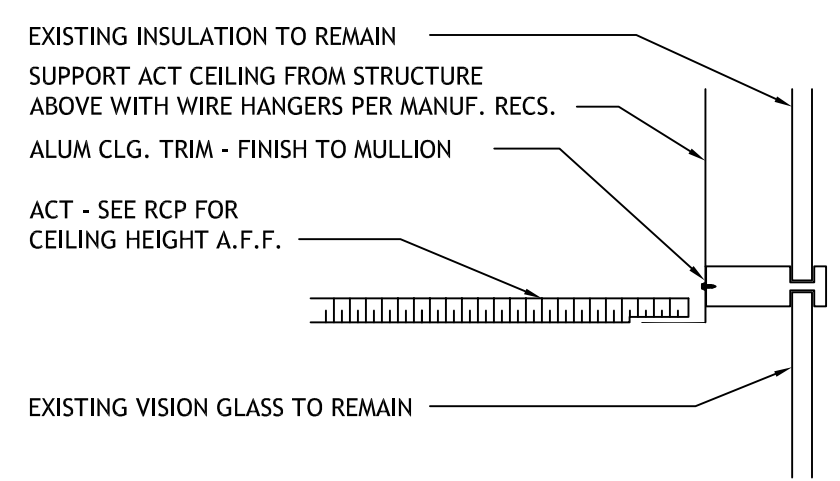
**A**

**2 FRAME TYPES**

A3 SCALE: 1/4" = 1'-0"

**1 DOOR TYPES**

A3 SCALE: 1/4" = 1'-0"



**3 CEILING DETAIL**

A3 SCALE: 1" = 1'-0"

**GENERAL DOOR NOTES**

**NOTES**

- ALL DOORS ARE 1 3/4" THICK UNLESS OTHERWISE NOTED.
- WHERE RATED DOORS ARE INDICATED, DOOR FRAME RATING TO EQUAL DOOR RATING.
- UL LABELS: B LABEL = 90 MIN., 60MIN. C LABEL = 45 MIN., 20MIN.
- PLEASE REFER TO SHEET A3 FOR FRAME AND SIGNAGE TYPES.

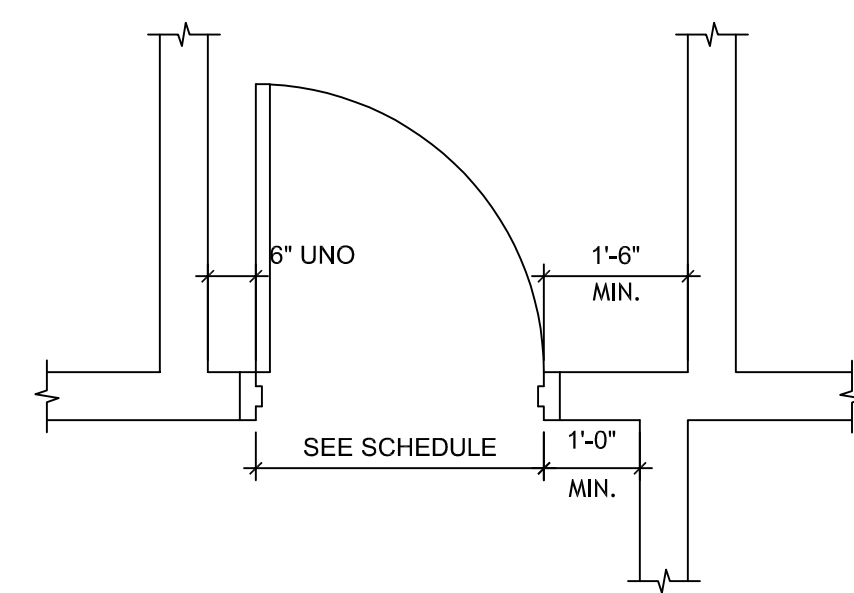
**HARDWARE**

1. SEE 087100 SPECIFICATION FOR DOOR HARDWARE REQUIREMENTS. EACH DOOR SHALL HAVE THE FOLLOWING MINIMUM HARDWARE: (3) HINGES, LEVER SET OR PANIC HARDWARE, CYLINDER LOCKS AND KEYING PER CMSD STANDARDS, STRIKES, CLOSER (WHERE NOTED), DOOR STOP APPROPRIATE FOR LOCATION, COAT HOOK FOR OFFICES, DOOR SILENCERS. ALL DOORS TO HAVE MORITSE LOCKSETS (UNO). EXISTING DOORS TO REMAIN WITH KNOB LOCKSETS SHALL BE CHANGED TO ADA COMPLIANT LEVER HANDLE LOCKSETS.

**ABBREVIATIONS**  
AL/GL - ALUMINUM/GLASS  
HM - HOLLOW METAL  
S - STEEL - STAINLESS STEEL

FRP - FIBRE REINFORCED PLASTIC  
SCW - SOLID CORE WOOD

**DOOR PLACEMENT**



**TYPICAL DOOR PLACEMENT**

SCALE: NTS

**DOOR & SIGNAGE SCHEDULE**

DOOR #	SPACE	ROOM NAME	DOOR		FRAME			SIGNAGE TYPE (SEE SPECS)	SECURITY SIGNAGE	REMARKS			
			WIDTH	HEIGHT	TYPE	MAT.	TYPE				H	J	S
001	CLASSROOM		3'-0"	7'-0"	A	SCW	1M	HI	J1	-	A,N,P	1.A	CLASSROOM FUNCTION
002	CLASSROOM		3'-0"	7'-0"	A	SCW	1M	HI	J1	-	A,N,P	1.A	CLASSROOM FUNCTION
003	OFFICE		3'-0"	7'-0"	A	SCW	1M	HI	J1	-	B	1.A	OFFICE FUNCTION
004	COMMONS		3'-0"	7'-0"	A	SCW	1M	HI	J1	-	A,N,P	1.A	EGRESS DOOR, PROVIDE PANIC HARDWARE & DOOR CLOSER.
005	CLASSROOM		3'-0"	7'-0"	A	SCW	1M	HI	J1	-	A,N,P	1.A	CLASSROOM FUNCTION
006	EXISTING OFFICE										B	1.A	OFFICE FUNCTION, CHANGE HARDWARE TO ADA LEVER.
007	EXISTING OFFICE										B	1.A	OFFICE FUNCTION, CHANGE HARDWARE TO ADA LEVER.

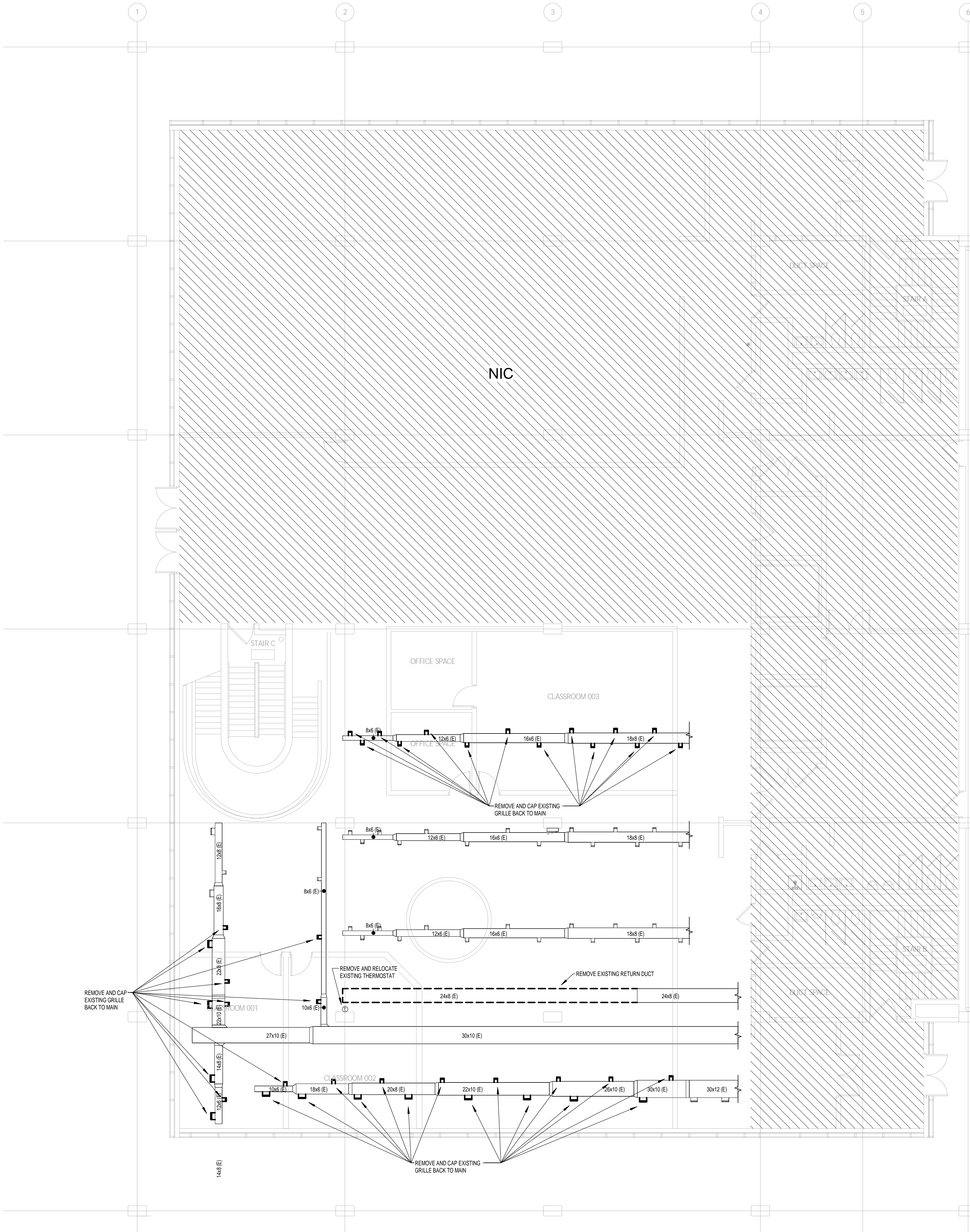
NOTE: NEW DOORS TO MATCH EXISTING WOOD FINISH.

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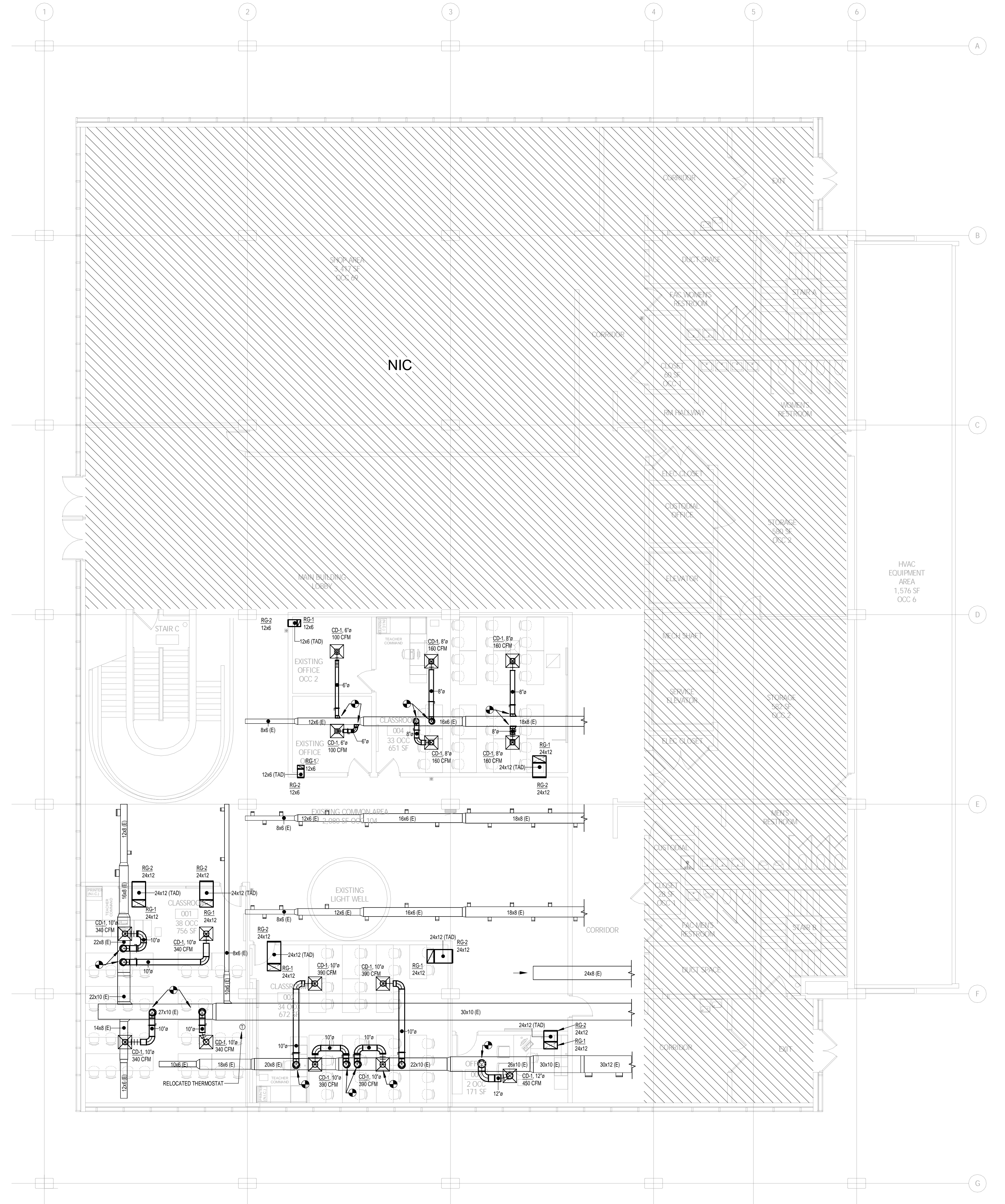
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sheet name: DETAILS

drawn by: ERS  
checked by: JH  
sheet number: A3  
job number: 22019





**MECHANICAL DEMOLITION PLAN**  
1/8" = 1'-0"



**MECHANICAL PLAN**  
1/8" = 1'-0"

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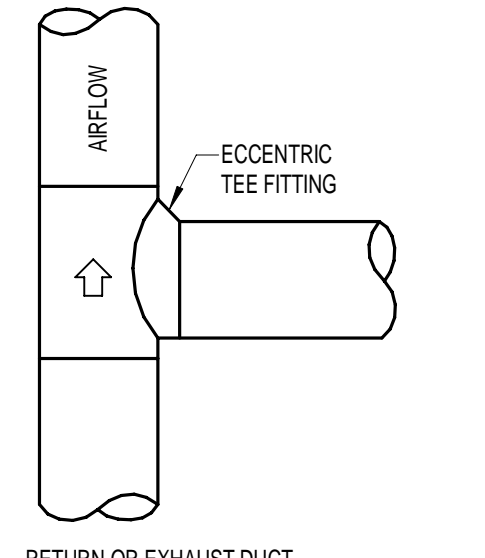
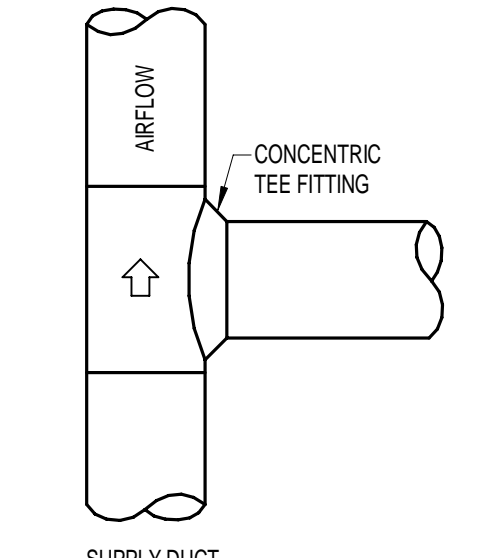
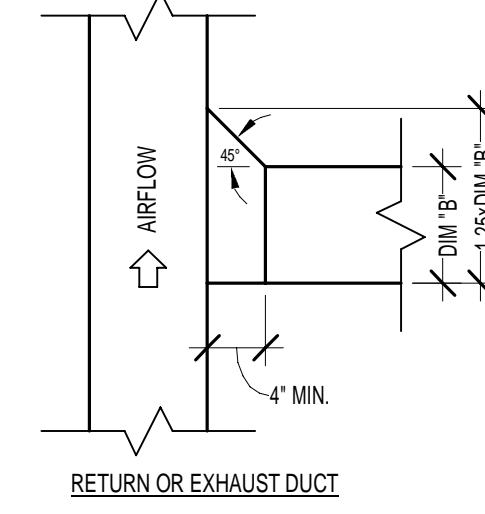
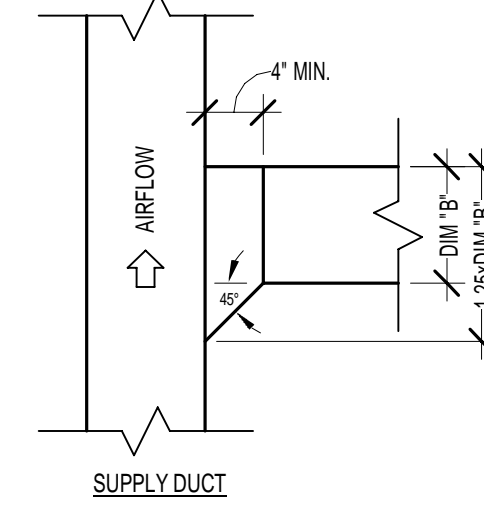
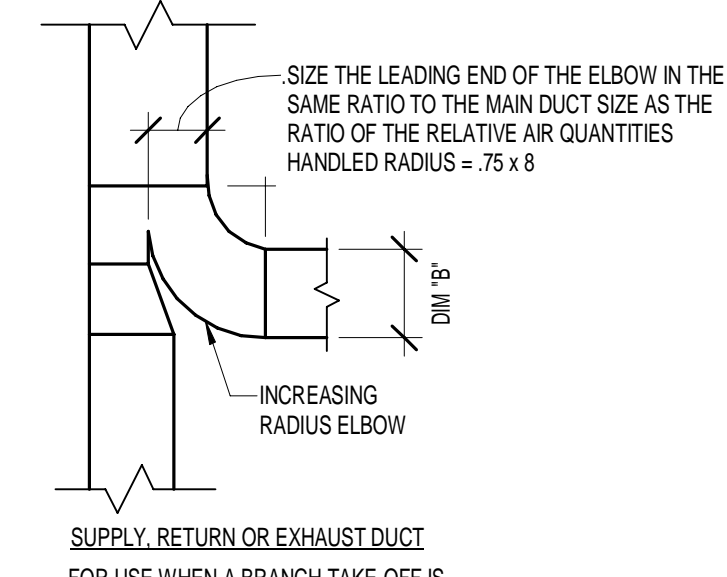
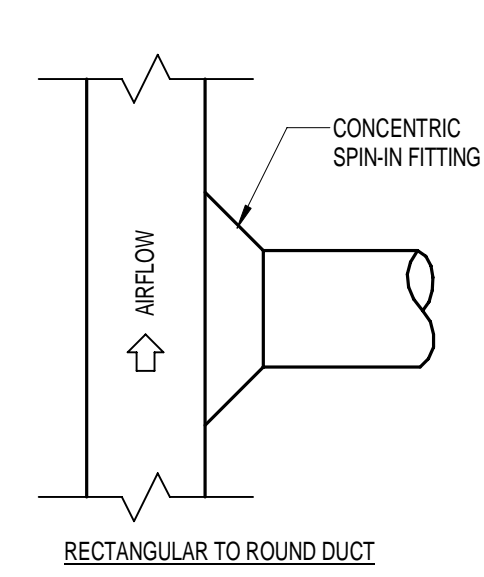
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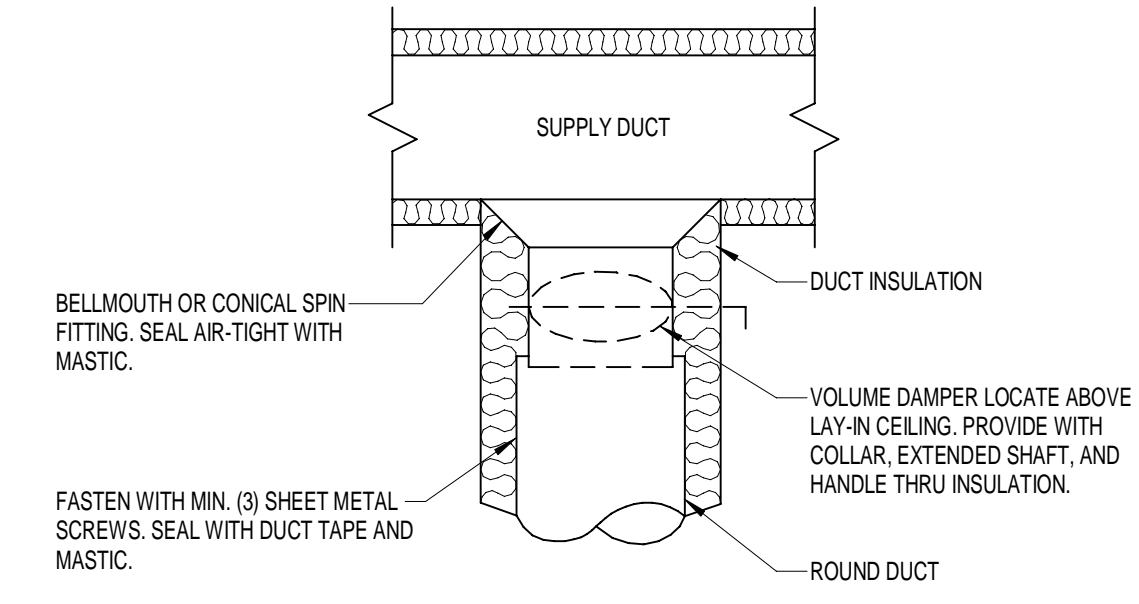
sheet name: MECHANICAL PLANS

drawn by:   
checked by:   
sheet number:   
**M2**  
job number:   
22019

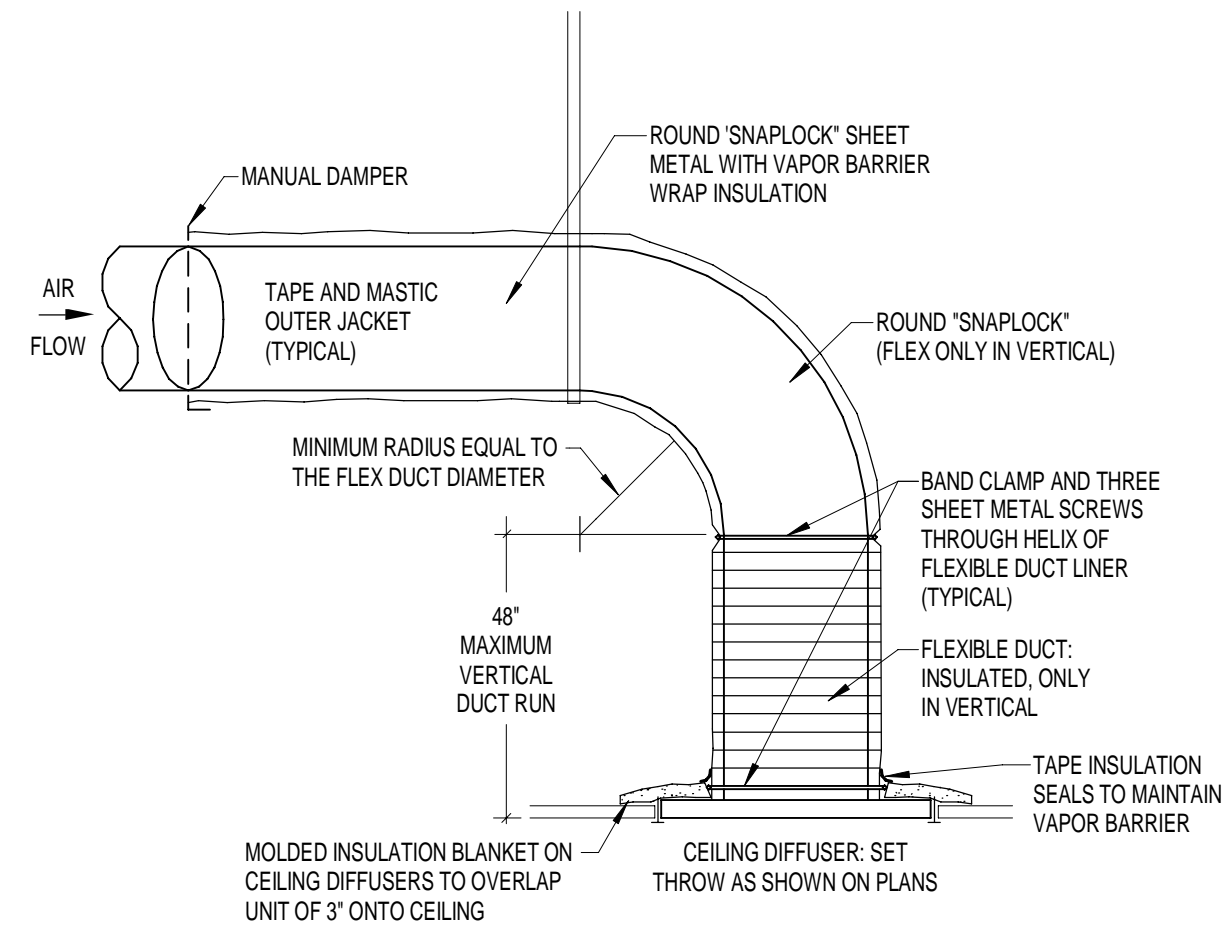
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(330) 659-6675 FAX



**DUCT BRANCH TAKE-OFF DETAILS**  
N.T.S.



**ROUND DUCT TAKE-OFF DETAIL**  
N.T.S.



**CEILING DIFFUSER CONNECTION DETAIL (LAY-IN)**  
N.T.S.

GRILLE AND DIFFUSER SCHEDULE							
MARK	MANUFACTURER	MODEL	FRAME OR BORDER TYPE	MODULE SIZE	DAMPER MODEL NUMBER	FINISH	REMARKS
SUPPLY							
CD-1	TITUS	OMNI	LAY-IN	24 x 24	AG-100	OFF WHITE	1,2
SG-E	-	-	DUCT MOUNTED	-	-	-	-
RETURN							
RG-1	TITUS	350 RL	LAY-IN	SEE PLANS	AG-15	OFF WHITE	2
RG-2	TITUS	350 RL	DUCT MOUNTED	SEE PLANS	AG-15	OFF WHITE	2

REMARKS:  
1. ACCEPTABLE MANUFACTURERS: ANEMOSTAT, KRUEGER, NALOR, PRICE, TITUS, OR TUTTLE AND BAILEY. 2. ALL CEILING DIFFUSERS ARE 4-WAY THROW UNLESS INDICATED OTHERWISE ON PLAN.

DUCT MATERIAL, LINING, AND INSULATION SCHEDULE					
TYPE NO.	DESCRIPTION	SMACNA PRESSURE CLASSIFICATION	DUCT MATERIAL	INSULATION	REMARKS
GENERAL DUCTWORK:					
1	LOW VELOCITY SUPPLY AIR	RECTANGULAR - Z' ROUND - 4"	GALVANIZED STEEL (SPIRAL WHERE EXPOSED TO VIEW)	1" THICK INTERNAL LINING TO 10' DOWNSTREAM OF EQUIPMENT; EXTERNAL FIELD APPLIED 1" THICK FLEXIBLE INSULATION WHERE NOT INTERNALLY LINED (NO EXTERNAL WRAP WHERE EXPOSED)	1,3
2	RETURN AIR	Z'	GALVANIZED STEEL	1" THICK INTERNAL LINING WITHIN 10' OF EQUIPMENT	2,3

GENERAL NOTE:  
DUCTWORK SHALL BE CONSTRUCTED & INSULATED AS NOTED IN THIS SCHEDULE. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND FOR ANY DUCTS NOT LISTED IN SCHEDULE.

REMARKS:  
1. ALL EXPOSED SUPPLY AND RETURN DUCTWORK SHALL BE PAINTED A COLOR SELECTED BY THE ARCHITECT.  
2. SIZES OF INTERNALLY LINED DUCTWORK INDICATED ON THE PLANS ARE INSIDE CLEAR DIMENSIONS.  
3. DUCTWORK EXPOSED TO EXTERIOR (OUTDOOR) TEMPERATURES EITHER IN UNCONDITIONAL SPACE OR OUTSIDE SHALL BE WRAPPED WITH A MINIMUM 2" THICK FIBERGLASS INSULATION. DUCTS EXPOSED TO WEATHER SHALL BE WRAPPED WITH VENTURECLAD ALUMINUM FACING.

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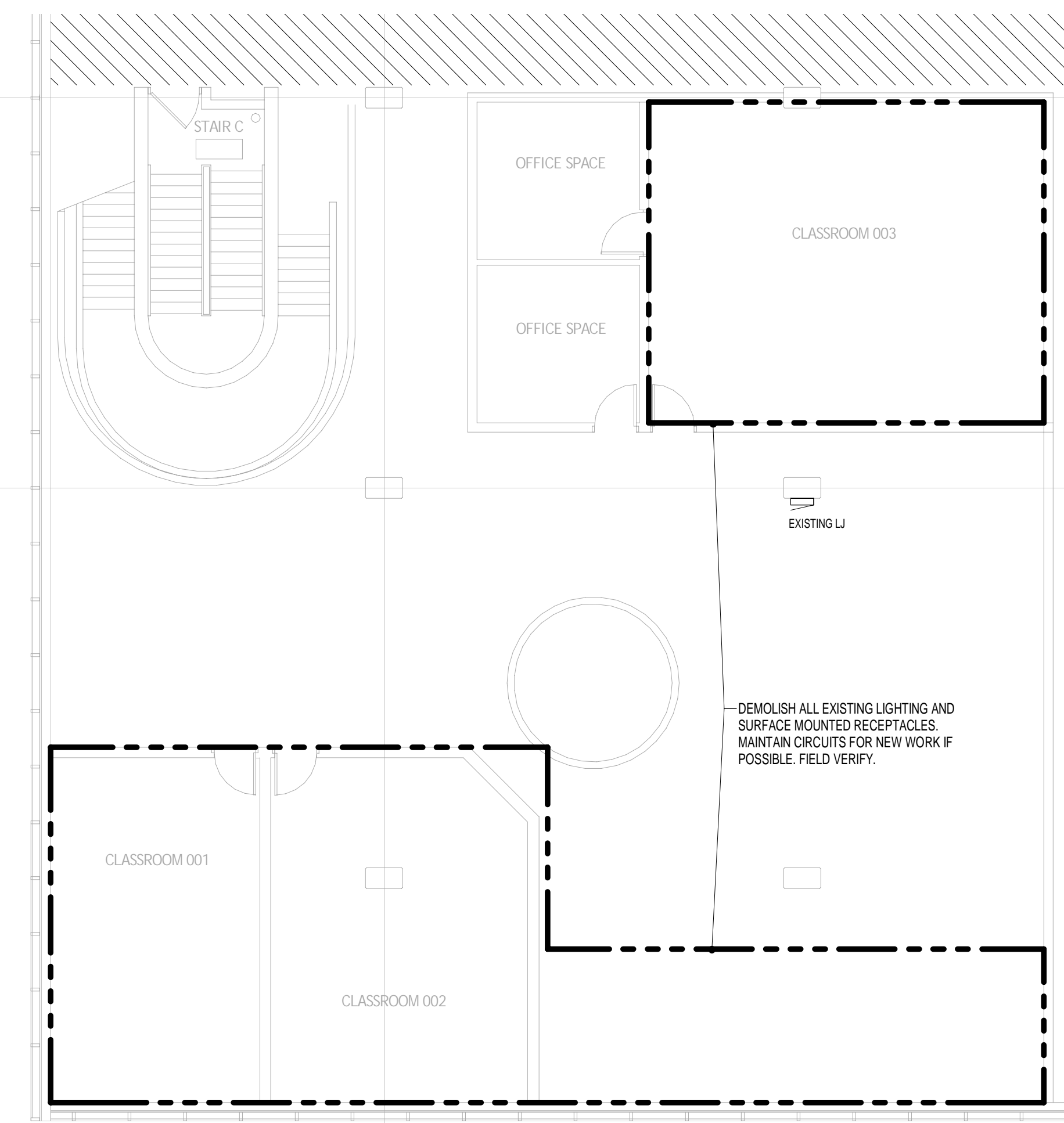
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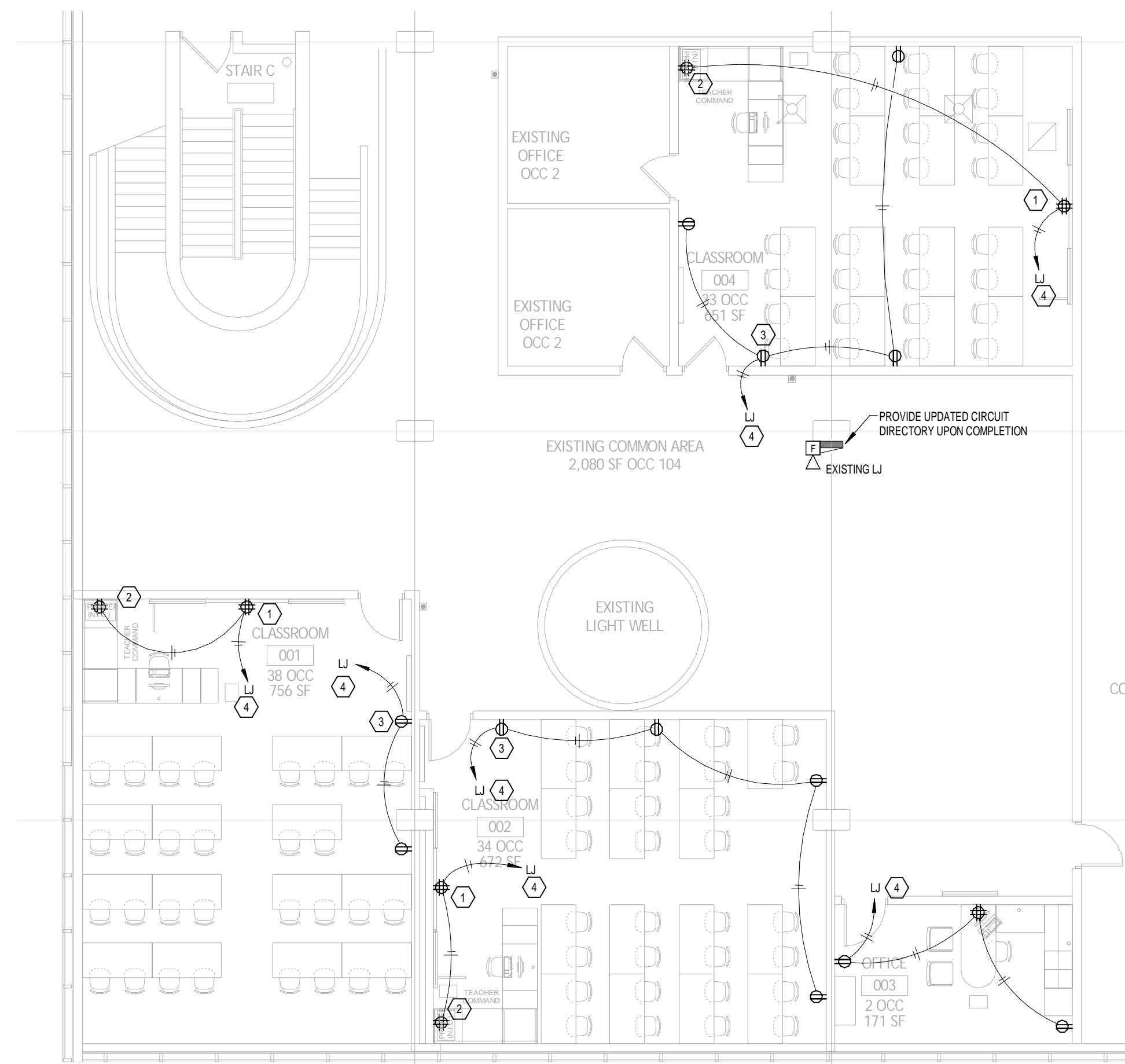
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sheet number: M3  
job number: 22019



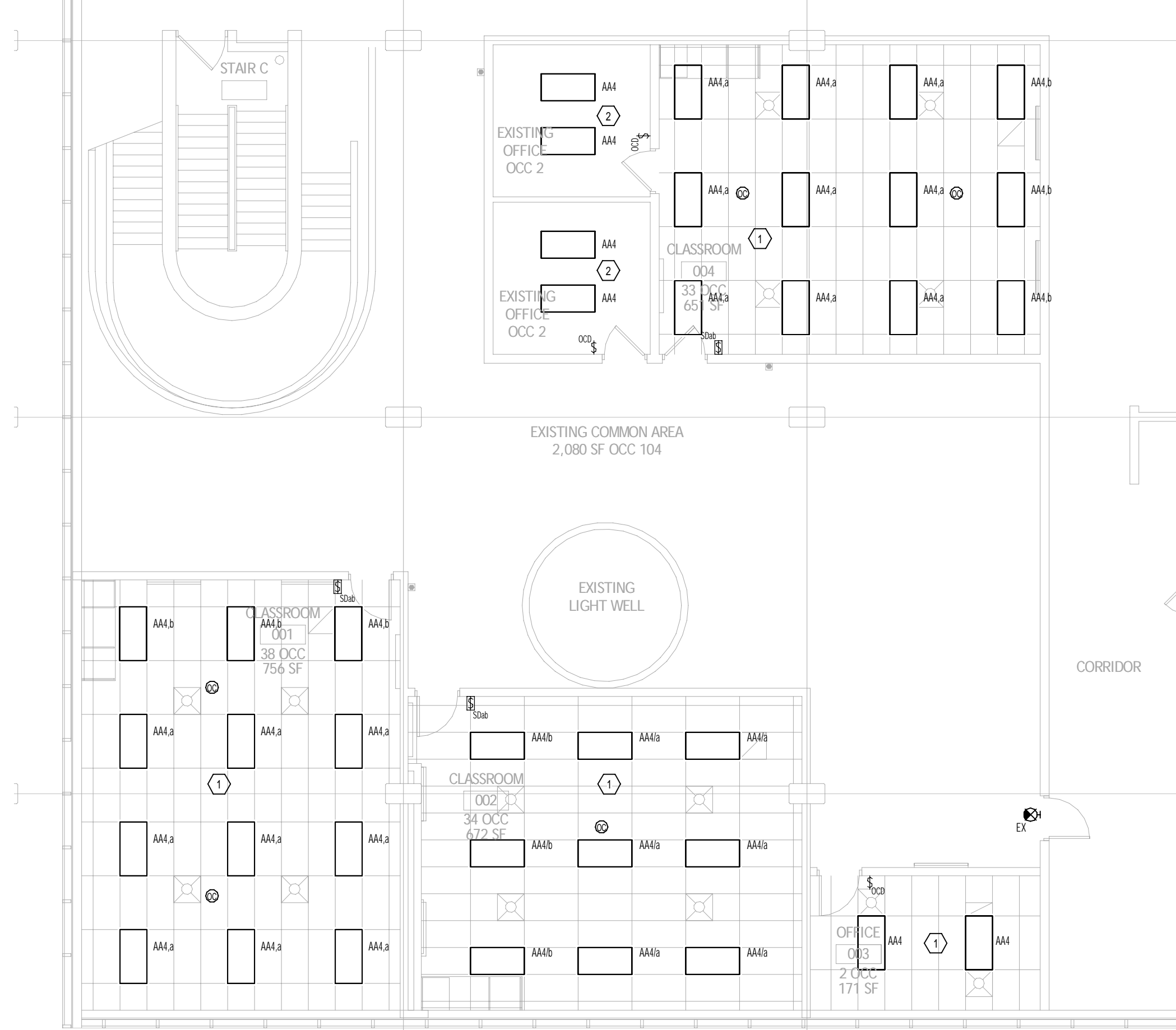




**ELECTRICAL DEMOLITION PLAN**  
1/8" = 1'-0"



**POWER & SYSTEMS PLAN**  
1/8" = 1'-0"



**LIGHTING PLAN**  
1/8" = 1'-0"

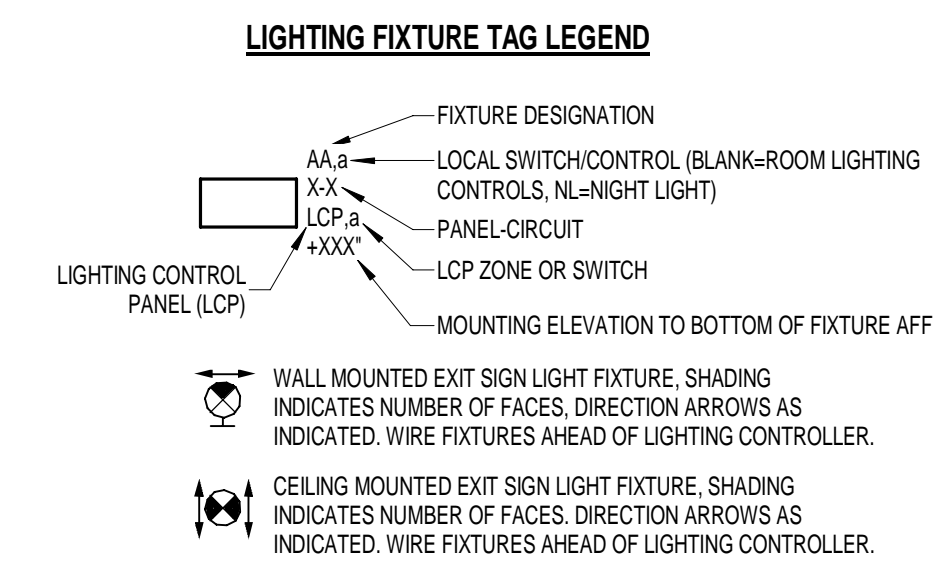
- POWER GENERAL NOTES:**
- NOT ALL CODED NOTES SHOWN MAY APPLY TO THIS DRAWING.
  - REFERENCE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION RELATED TO THE ELECTRICAL INSTALLATION. COORDINATE FLOOR BOX AND DEVICE LOCATIONS WITH SYSTEMS FURNITURE AND EQUIPMENT BEING PROVIDED BY OTHERS.
  - ARCHITECTURAL DRAWINGS HAVE PRIORITY OVER MEP DRAWINGS WITH REGARD TO LOCATIONS OF ALL VISIBLE ELEMENTS AND DEVICES. COORDINATE EXACT DEVICE LOCATIONS WITH DIMENSIONS INDICATED ON ARCHITECTURAL DRAWINGS. REFERENCE ARCHITECTURAL ELEVATIONS AND TYPICAL DEVICE MOUNTING DETAILS AND NOTES.
  - PRIOR TO ROUGH-IN COORDINATE EXACT POWER REQUIREMENTS AND LOW VOLTAGE ROUGH-IN REQUIREMENTS FOR ALL OWNER FURNISHED EQUIPMENT AND SYSTEMS.

ALL RECEPTACLES SHALL BE TAMPER-RESISTANT TYPE EXCEPT FOR THE FOLLOWING EXEMPT LOCATIONS PER 2017 NEC 406.12:

- RECEPTACLES LOCATED HIGHER THAN 6' AFF
- RECEPTACLES THAT ARE DEDICATED TO APPLIANCES AND NOT READILY ACCESSIBLE

- CODED NOTES (POWER):**
- RECEPTACLE FOR WALL MOUNTED PROJECTOR OR TV, MOUNTED AT 6' AFF. COORDINATE EXACT LOCATION WITH TECHNOLOGY INSTALLER.
  - RECEPTACLE MOUNTED ADJACENT TO CABINET. COORDINATE EXACT LOCATION WITH TECHNOLOGY INSTALLER.
  - RECEPTACLE FOR TABLE CHARGING CART. VERIFY EXACT LOCATION WITH ARCHITECT/OOWNER.
  - UTILIZE 20A/1P SPARE CIRCUIT PREVIOUSLY SERVING DEMOLISHED RECEPTACLES WITHIN ROOM. FIELD VERIFY. PROVIDE NEW DEDICATED CONDUIT AND WIRE BACK TO PANEL. SPARE 20A/1P BREAKER OR NEW 20A/1P BREAKER IN EXISTING SPACE IF REQUIRED.

- LIGHTING GENERAL NOTES:**
- WIRE ALL EXIT SIGNS AND NIGHT LIGHT (NL) FIXTURES AHEAD OF LOCAL SWITCHING AND RELAY CONTROL. PROVIDE ADDITIONAL HOT WIRE.
  - LINE AND LOW VOLTAGE WIRING IS NOT SHOWN ON PLANS. PROVIDE ALL REQUIRED LINE AND LOW VOLTAGE WIRING FOR A COMPLETE FUNCTIONAL SYSTEM. LOW VOLTAGE WIRING INCLUDES, BUT IS NOT LIMITED TO, WIRING TO LOW VOLTAGE SWITCHES (LIGHTING CONTROL SYSTEM SWITCHES AND LOCAL SWITCHES), DIMMED LIGHTING FIXTURES AND ASSOCIATED DIMMER SWITCHES, OCCUPANCY SENSORS, ETC.



- CODED NOTES (LIGHTING):**
- UTILIZE EXISTING CIRCUIT(S) PREVIOUSLY SERVING HIGHER WATTAGE FLUORESCENT LIGHTING WITHIN SPACE. FIELD VERIFY EXISTING CIRCUIT LOAD PRIOR TO INSTALL. PROVIDE ADDITIONAL POWER PACKS IF REQUIRED BASED ON EXISTING CIRCUITING.
  - REPLACE EXISTING FLUORESCENT 2X4 LIGHTING FIXTURES AND LINE VOLTAGE SWITCH WITHIN ROOM. MAINTAIN EXISTING CIRCUITING AND PROVIDE ADDITIONAL DIMMING WIRING AS REQUIRED.



CMSD LAKESIDE RENOVATION  
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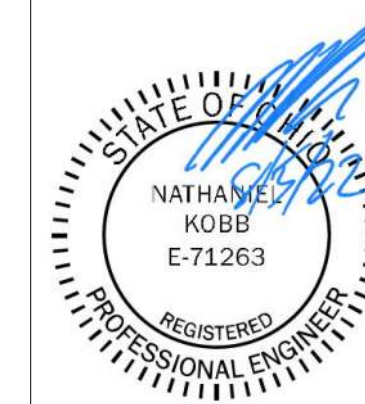
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ELECTRICAL PLANS

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checked by:  
sheet number:  
**E1**  
job number:  
22019









CMSD LAKESIDE RENOVATION  
1410 LAKESIDE AVE, CLEVELAND OH 44114

**GENERAL NOTES:**

- THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION AND PROPER INSTALLATION OF ALL FIRE PROTECTION SYSTEMS.
- THE CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL ETC. FOR THE PROPER INSTALLATION OF ALL FIRE PROTECTION SYSTEMS.
- THE CONTRACTOR SHALL COORDINATE FLOOR, WALL AND ROOF PENETRATIONS WITH THE GENERAL TRADES CONTRACTOR.
- PIPING SHALL NOT BE LOCATED OVER THE TOP OF ANY ELECTRICAL PANELS OR EQUIPMENT.
- THE CONTRACTOR SHALL COORDINATE THE LOCATION OF SPRINKLER HEADS WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. ALL SPRINKLER HEADS ARE TO BE LOCATED IN THE CENTER OF CEILING TILES IN LAY-IN AREAS UNLESS OTHERWISE INDICATED.
- PROVIDE GUARDS FOR SPRINKLERS IN STORAGE OR HAZARDOUS AREAS.
- SPRINKLER HEADS ARE SHOWN FOR COORDINATION ONLY. A REGISTERED SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND INSTALLATION OF COMPLETE SPRINKLER SYSTEM ALL IN ACCORDANCE WITH NFPA-13 AND LOCAL FIRE PREVENTION AUTHORITY. REFER TO ARCHITECTURAL CEILING DEVICE PLAN TO LOCATE SPRINKLER HEADS.
- FIRE PROTECTION CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL OBSTRUCTIONS INCLUDING: PIPING, STRUCTURAL STEEL, CONDUIT, DUCTWORK, EQUIPMENT AND MISCELLANEOUS ITEMS BEFORE INSTALLATION OF SPRINKLER SYSTEM TO AVOID INTERFERENCES.
- FABRICATION, ERECTION AND TESTING OF ALL PIPING SYSTEMS SHALL BE IN ACCORDANCE WITH OWNERS GENERAL REQUIREMENTS, N.F.P.A. 13 & 24 AND LOCAL CODE & AUTHORITIES.
- FIRE PROTECTION CONTRACTOR SHALL MAKE ALL DRAWINGS, SUBMITTALS, TEST CERTIFICATE SUBMITTALS AND PAY ALL REQUIRED FEES TO THE OWNERS INSURING AGENT AND LOCAL AUTHORITIES FOR REQUIRED PERMITS.
- FIRE SPRINKLER SYSTEM TO PROVIDE COVERAGE BELOW CEILING IN ALL AREAS PER THE STATE AND LOCAL FIRE MARSHALL.
- CONTRACTOR TO PROVIDE SHOP DRAWINGS AND CALCULATIONS FOR BUILDING DEPARTMENT APPROVAL PRIOR TO INSTALLATION OF SPRINKLER SYSTEM. FIRE SPRINKLER SYSTEM TO MEET REQUIREMENTS OF OWNER, NFPA 13, THE STATE AND LOCAL FIRE MARSHALL OR WHICHEVER IS MORE STRINGENT.
- FIRE PROTECTION PLANS (SPRINKLER DRAWINGS) MUST BE ENGINEERED AND WET SEALED BY A LICENSED REGISTERED FIRE PROTECTION CONTRACTOR IN THE LOCAL JURISDICTION.
- ALL PIPE FITTINGS, VALVES, HANGER MATERIAL, ALARM DEVICES, AND SPRINKLER DEVICES SHALL BE INSTALLED PER NFPA 13 AND LOCAL CODE REQUIREMENTS.
- TESTING OF THE SPRINKLER SYSTEM SHALL CONFORM WITH NFPA 13 REQUIREMENTS.
- ALL PIPE 2" AND SMALLER SHALL BE SCHEDULE 40 WITH SCREWED CAST IRON FITTINGS.
- ALL PIPE 2-1/2" AND LARGER SHALL BE SCHEDULE 10 WITH GROOVED FITTINGS AND GROOVED RIBD COUPLINGS.
- ALARMS SHALL BE INSTALLED PER LOCAL CODE REQUIREMENTS.
- FIRE CALK ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES.

**FIRE PROTECTION LEGEND**

- SPR \_\_\_\_\_ WET SPRINKLER PIPING
- (FUG) --- UNDERGROUND FIRELINE PIPING
- PIPING/EQUIPMENT TO BE REMOVED
- SPR (E) \_\_\_\_\_ EXISTING SPRINKLER PIPING TO REMAIN
- TS \_\_\_\_\_ SHUT-OFF VALVE WITH TAMPER SWITCH
- FS \_\_\_\_\_ SPRINKLER FLOW SWITCH
- \_\_\_\_\_ CHECK VALVE
- \_\_\_\_\_ FIRE HYDRANT
- \_\_\_\_\_ FIRE DEPARTMENT HOSE VALVE
- \_\_\_\_\_ FIRE PUMP TEST HEADER
- \_\_\_\_\_ POST TYPE FIRE DEPARTMENT CONNECTION
- \_\_\_\_\_ FIRE DEPARTMENT CONNECTION
- AFF \_\_\_\_\_ ABOVE FINISHED FLOOR
- CTX \_\_\_\_\_ CONNECT TO EXISTING ELECTRICAL CONTRACTOR EXISTING TO REMAIN
- ETR \_\_\_\_\_ FIRE HYDRANT
- FPC \_\_\_\_\_ FIRE PROTECTION CONTRACTOR
- FP \_\_\_\_\_ FIRE PUMP
- GC \_\_\_\_\_ GENERAL CONTRACTOR
- JP \_\_\_\_\_ JOCKEY PUMP
- PC \_\_\_\_\_ PLUMBING CONTRACTOR
- PV \_\_\_\_\_ POST INDICATOR VALVE
- TS \_\_\_\_\_ TAMPER SWITCH
- WV \_\_\_\_\_ WALL INDICATOR VALVE

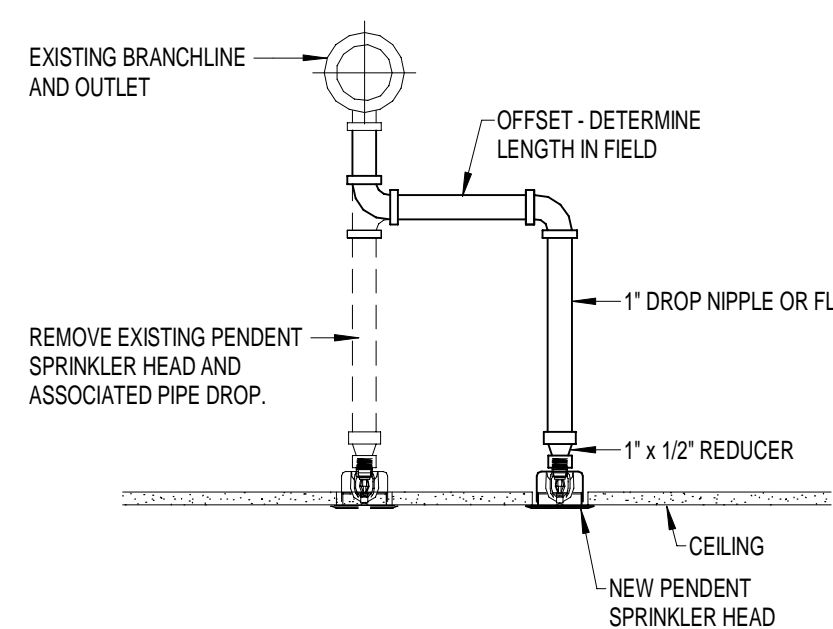
**FIRE SPRINKLER - HATCH LEGEND**

- ORDINARY HAZARD OCCUPANCY.
- UNHATCHED AREAS ARE CONSIDERED LIGHT HAZARD OCCUPANCY.
- AREA PROTECTED BY DRY SPRINKLER SYSTEM.

THIS DRAWING IS FOR REFERENCE ONLY. FIRE PROTECTION CONTRACTOR FOR THIS PROJECT SHALL PROVIDE FULLY DETAILED SPRINKLER PLANS AND CALCULATIONS.

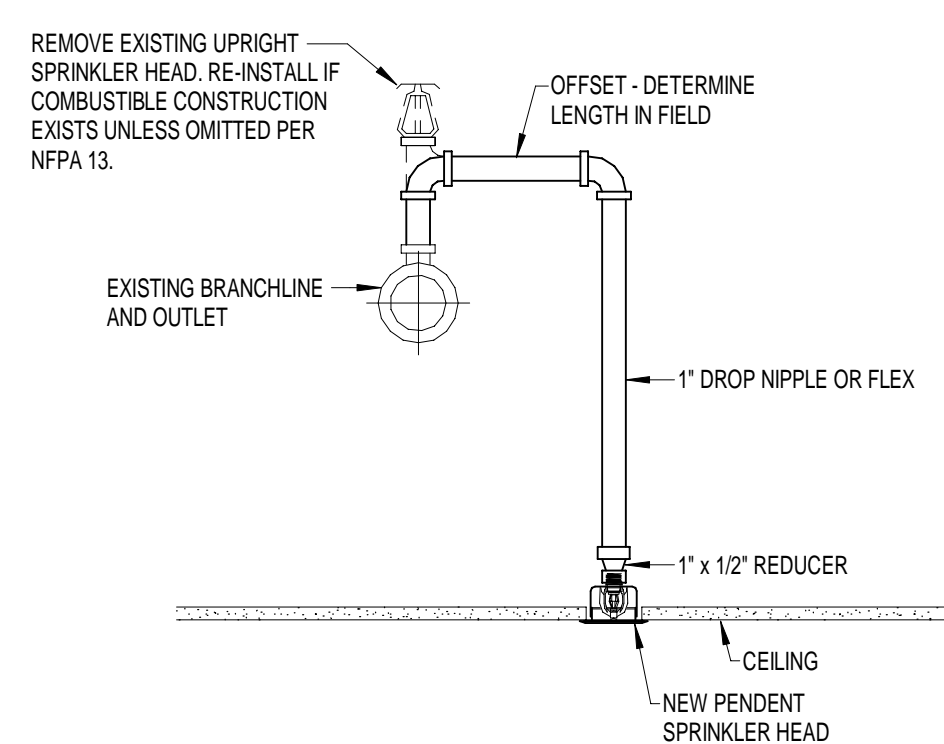
APPROVAL IS CONTINGENT UPON LOCAL FIRE MARSHAL AND OWNER'S INSURANCE UNDERWRITER'S APPROVAL.

FIRE SPRINKLER CONTRACTOR TO VERIFY FLOW TEST INFORMATION IS CURRENT AND WATER PRESSURE ON SITE IS ADEQUATE TO MEET THE DEMAND OF THE FIRE SPRINKLER SYSTEM. IF PRESSURE IS NOT ADEQUATE, FIRE SPRINKLER CONTRACTOR SHALL PROVIDE AN ALTERNATE TO ADD A FIRE PUMP IN THE BIDDING PHASE AND NOTIFY THE ENGINEER ON RECORD IMMEDIATELY.



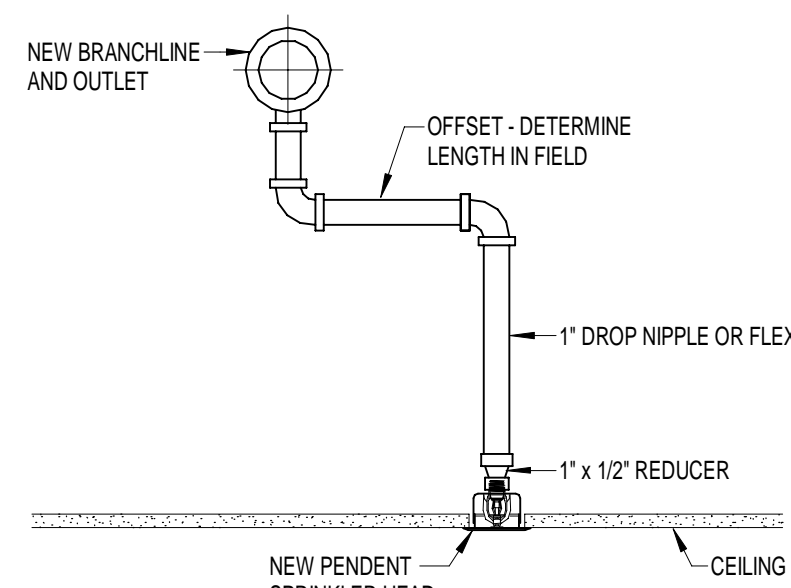
**ARMOVER HEAD PIPING DETAIL (EXISTING PENDENT)**

N.T.S.



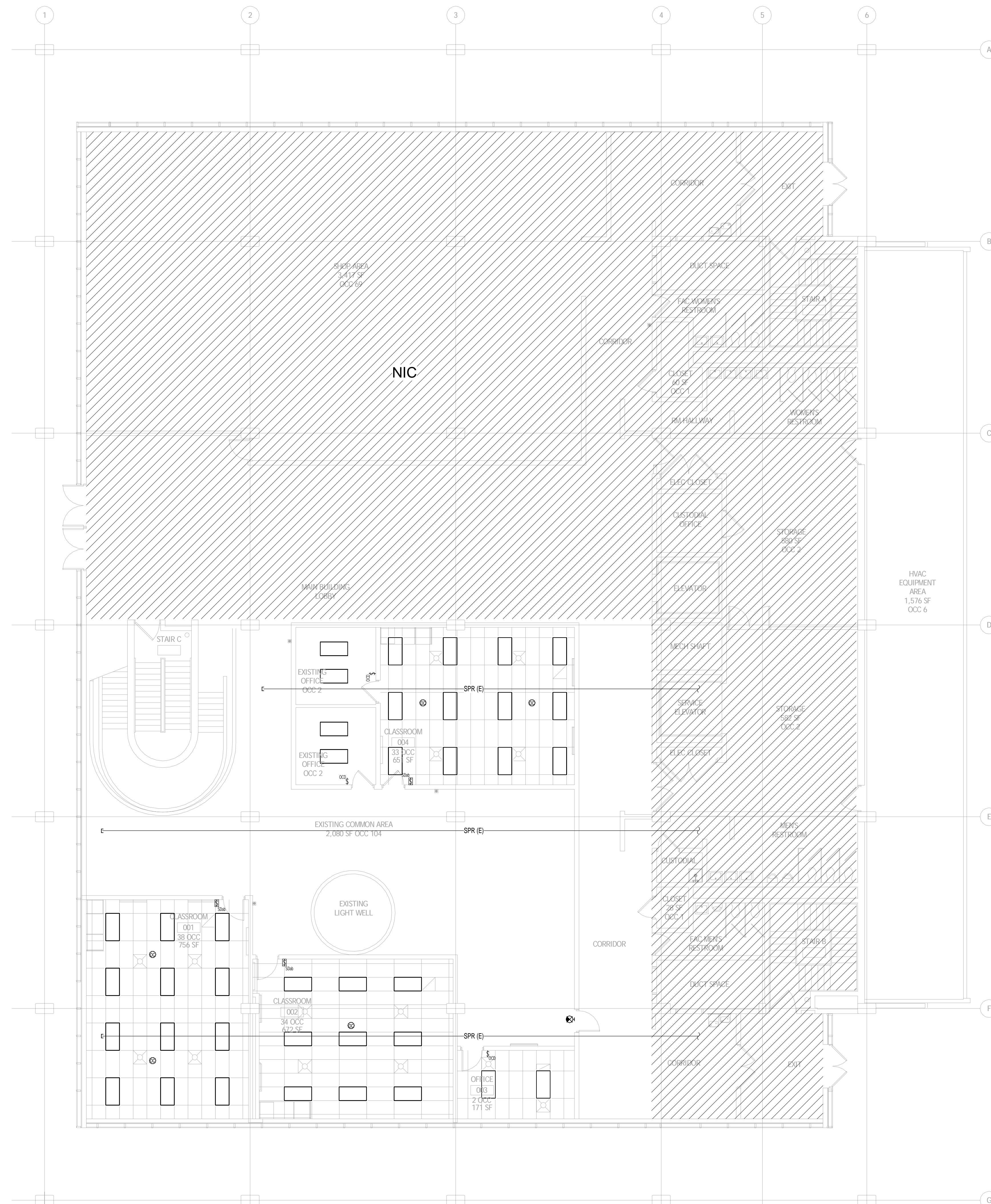
**ARMOVER HEAD PIPING DETAIL (EXISTING UPRIGHT)**

N.T.S.



**ARMOVER HEAD PIPING DETAIL (NEW PENDENT)**

N.T.S.



**FIRE PROTECTION PLAN**  
1/8" = 1'-0"

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sheet number: **F1**  
job number: \_\_\_\_\_  
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**GENERAL SHEET NOTES**

A REFER TO SHEET T-002 FOR ALL GENERAL NOTES

**KEYED NOTES**

- 1 CONTRACTOR TO PROVIDE 75" IFP DISPLAY. MOUNT DISPLAY SO THE BOTTOM OF THE DISPLAY IS 36" AFF. AV1 MOUNTED AT @ 54" AFF. COORDINATE LOCATION WITH DISPLAY MOUNT AND ELECTRICAL CONTRACTOR.
- 2 (SF) SOUND REINFORCEMENT AND (AV1) DATA WILL BE LOCATED IN COMMAND CABINET ON THE SIDE @ 18" AFF BESIDE EACH OTHER. CONTRACTOR TO PROVIDE LIGHTSPEED 975 WITH CORRESPONDING SPEAKERS. COORDINATE LOCATION WITH ELECTRICAL CONTRACTOR.
- 3 (MDF) MAIN TECH ROOM LOCATED ON 2ND FLOOR ABOVE THE MECHANICAL SHAFT ROOM. ALL TECHNOLOGY CABLING TO BE ROUTED TO THE MDF ROOM LOCATED ON THE 2ND FLOOR.
- 4 CONTRACTOR TO PROVIDE WIRELESS ACCESS POINT. CISCO 9100/MERAKI OR EQUAL. INTEGRATE NEW WIRELESS ACCESS POINT WITH EXISTING SYSTEM LOCATED IN THE MDF.
- 5 CONTRACTOR TO PROVIDE QUAM, BOGEN, OR EQUAL PAGING SPEAKERS. INTEGRATE NEW PAGING SPEAKERS WITH EXISTING SYSTEM LOCATED IN THE MDF.
- 6 CONTRACTOR TO PROVIDE POLYCOM VVX 201 HANDSETS. INTEGRATE NEW HANDSETS WITH EXISTING SYSTEM LOCATED IN THE MDF.

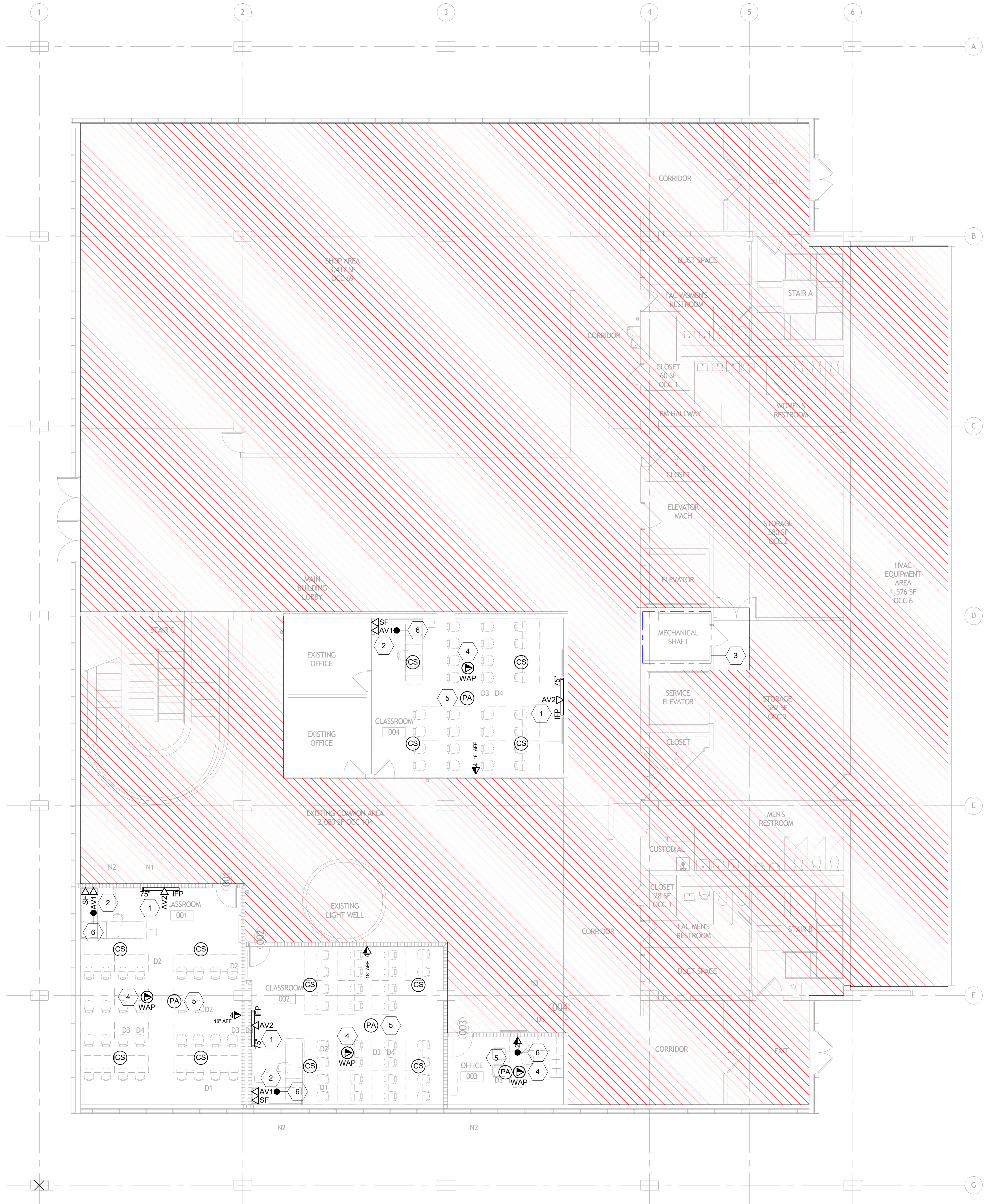
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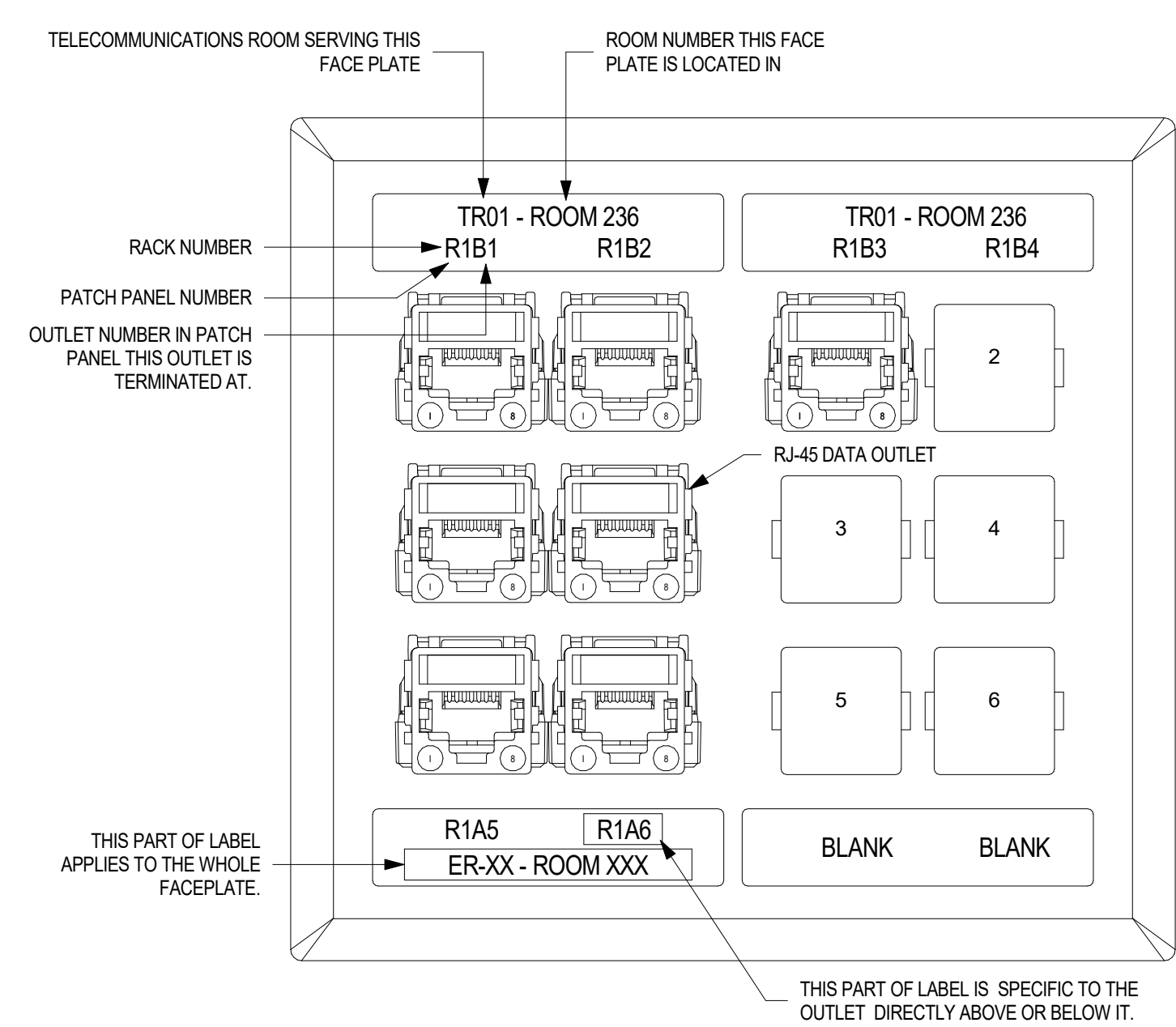
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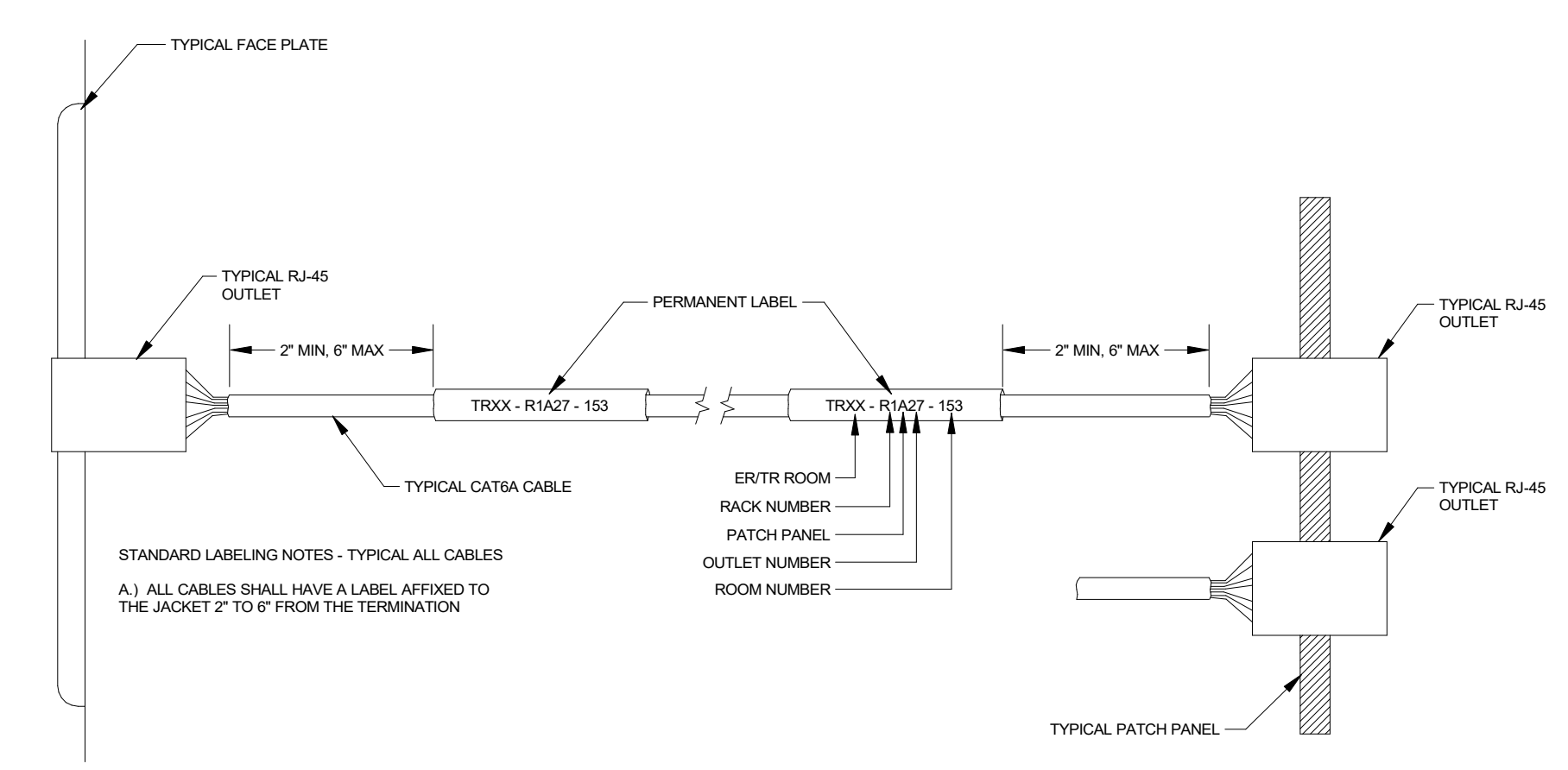
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sheet number: T-101

job number: 22019

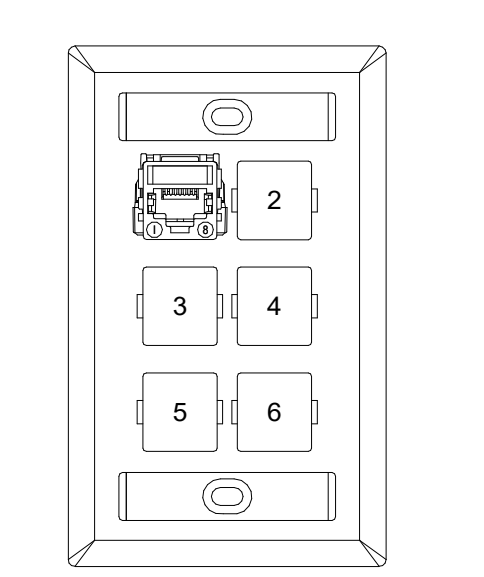


**VOICE/DATA OUTLET LABELING**

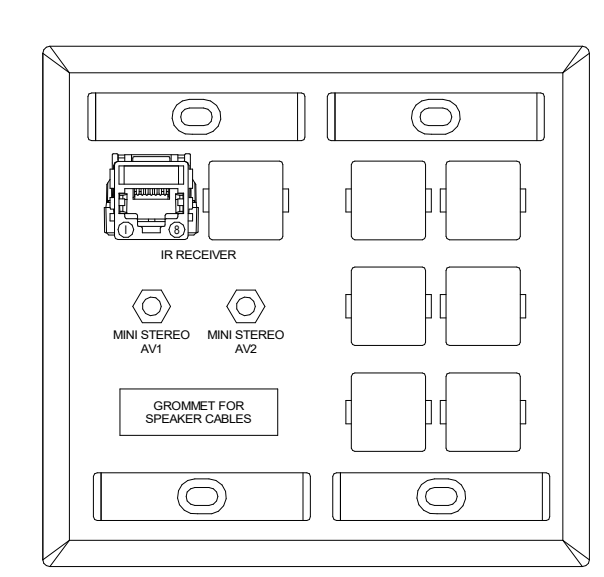


1 **FACEPLATE LABELING DETAIL**  
 NOT TO SCALE

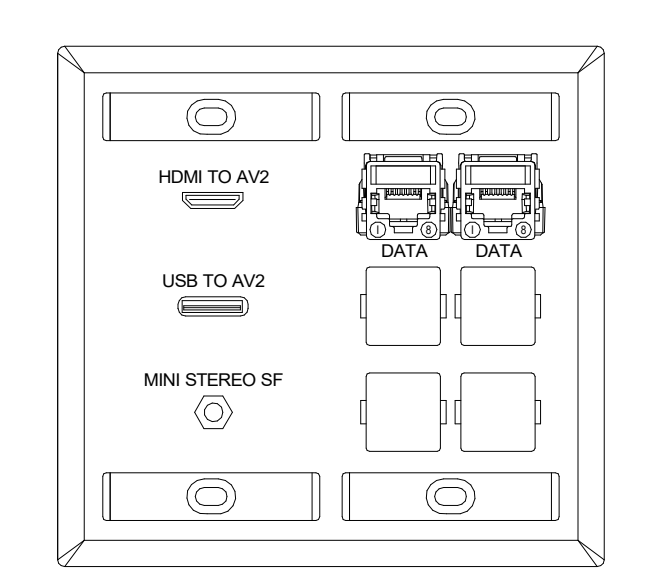
2 **TYPICAL CABLE LABELING AT OUTLET AND PATCH PANEL**  
 NOT TO SCALE



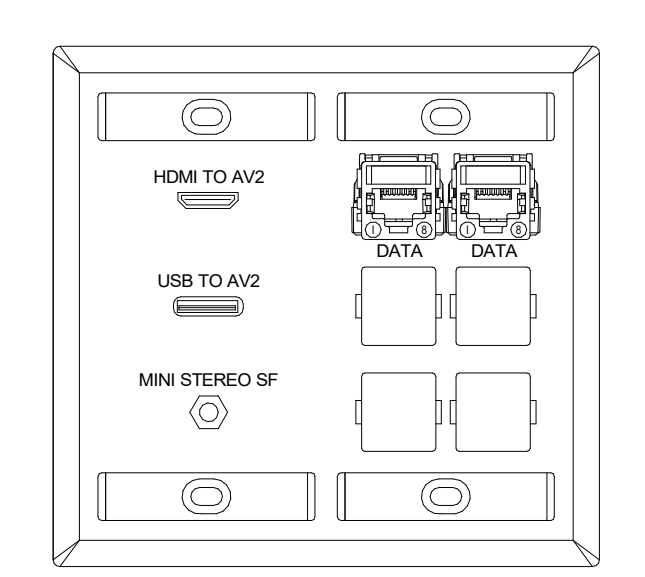
3 **DATA OUTLET DETAIL**  
 NOT TO SCALE



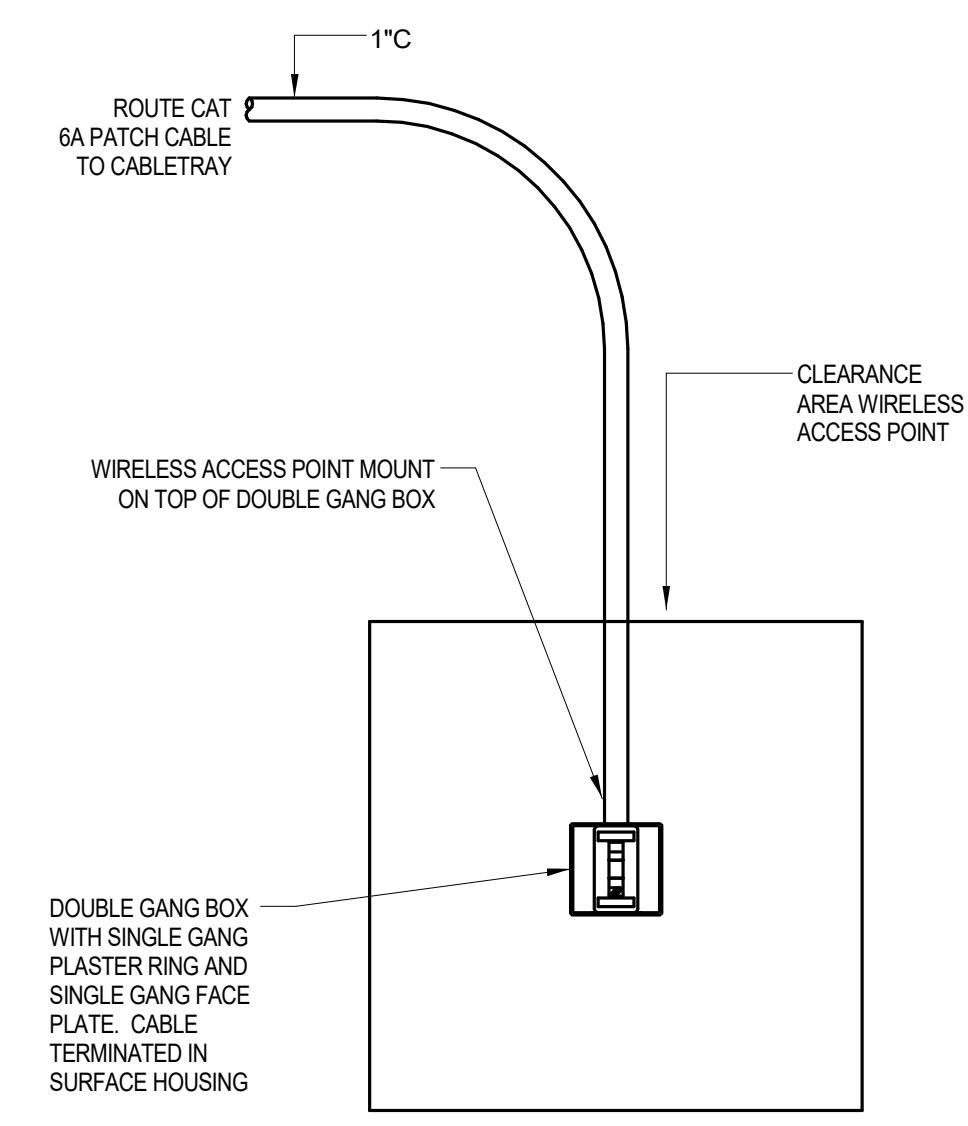
4 **SF AUDIO/VIDEO OUTLET DETAIL**  
 NOT TO SCALE



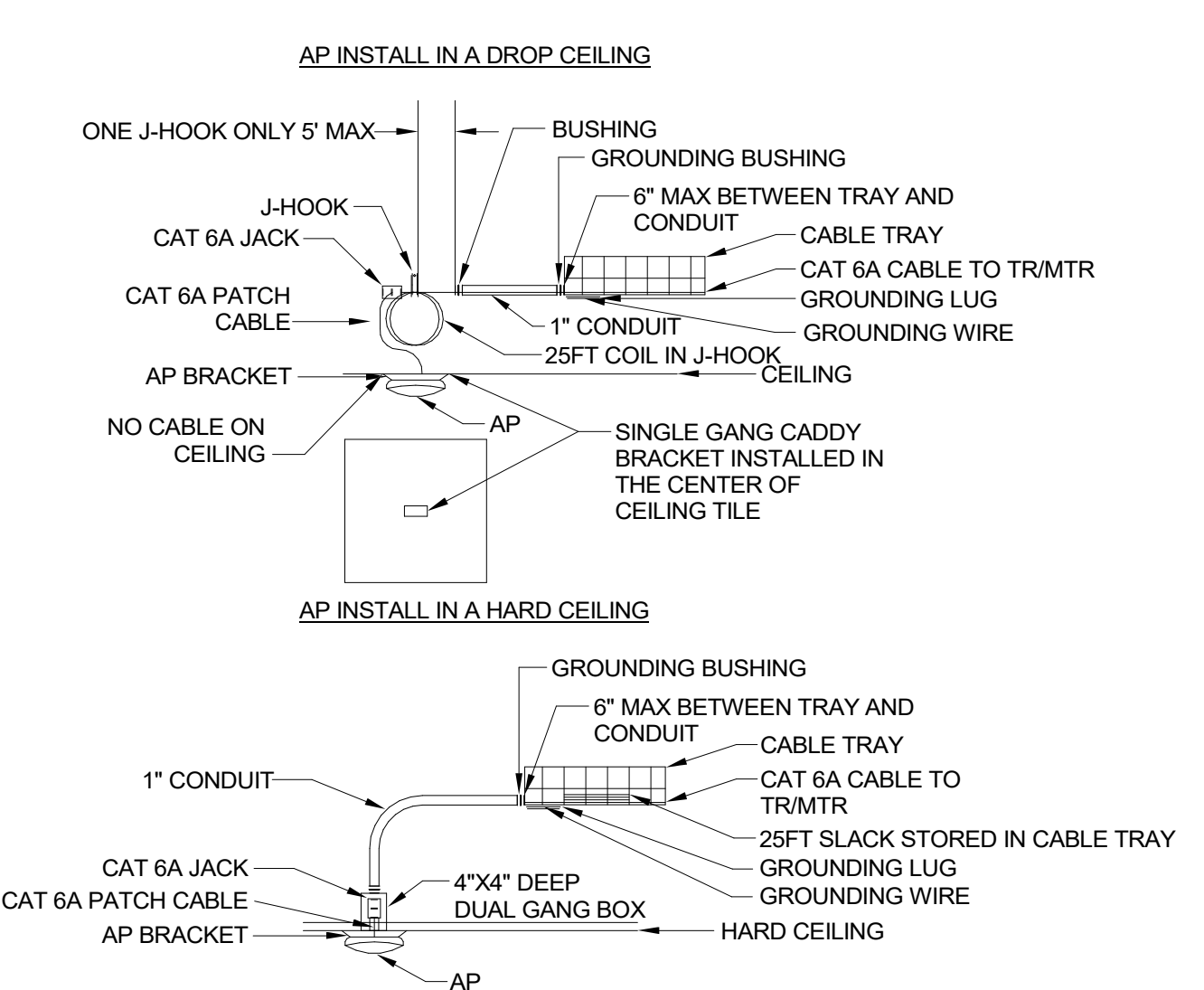
5 **AV1 DATA/AV OUTLET DETAIL**  
 NOT TO SCALE



6 **AV2 DATA/AV OUTLET DETAIL**  
 NOT TO SCALE



7 **WAP OUTLET DETAIL**  
 NOT TO SCALE



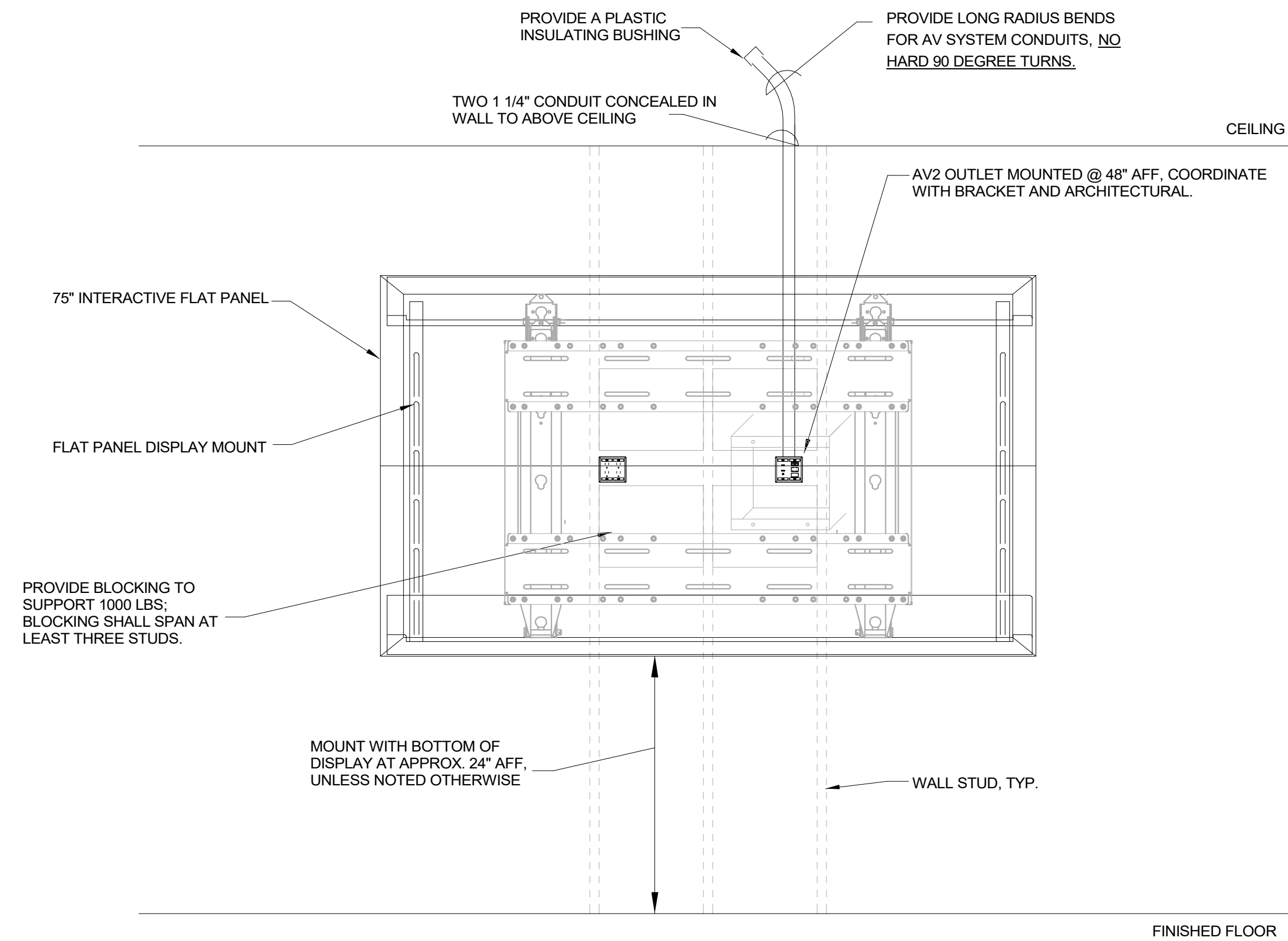
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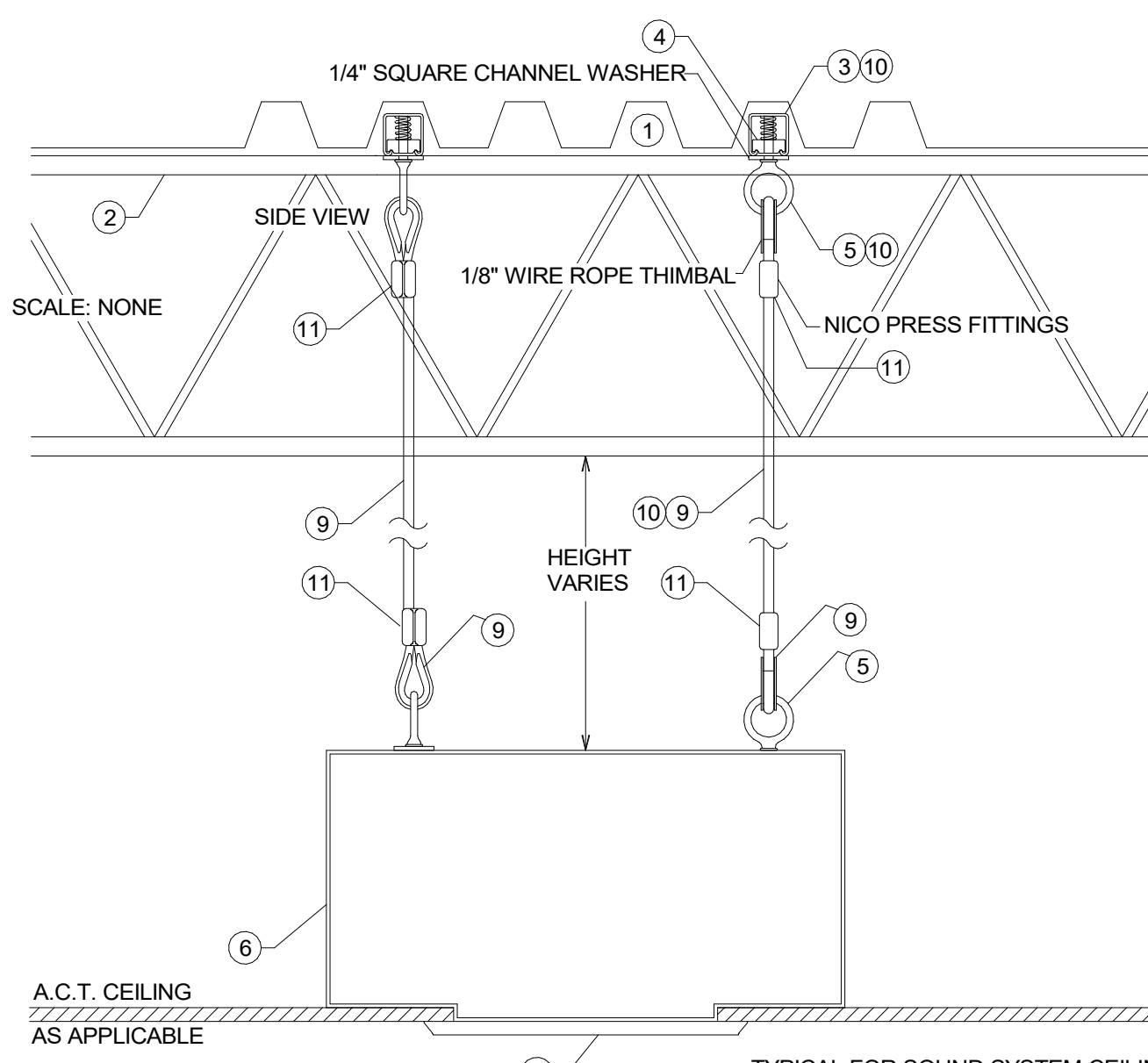
sheet name: TECHNOLOGY DETAILS (FACE PLATES)

drawn by: CMD  
 checked by: CB  
 sheet number: T-501  
 job number: 22019





1 TYPICAL FLAT PANEL DETAIL  
NTS

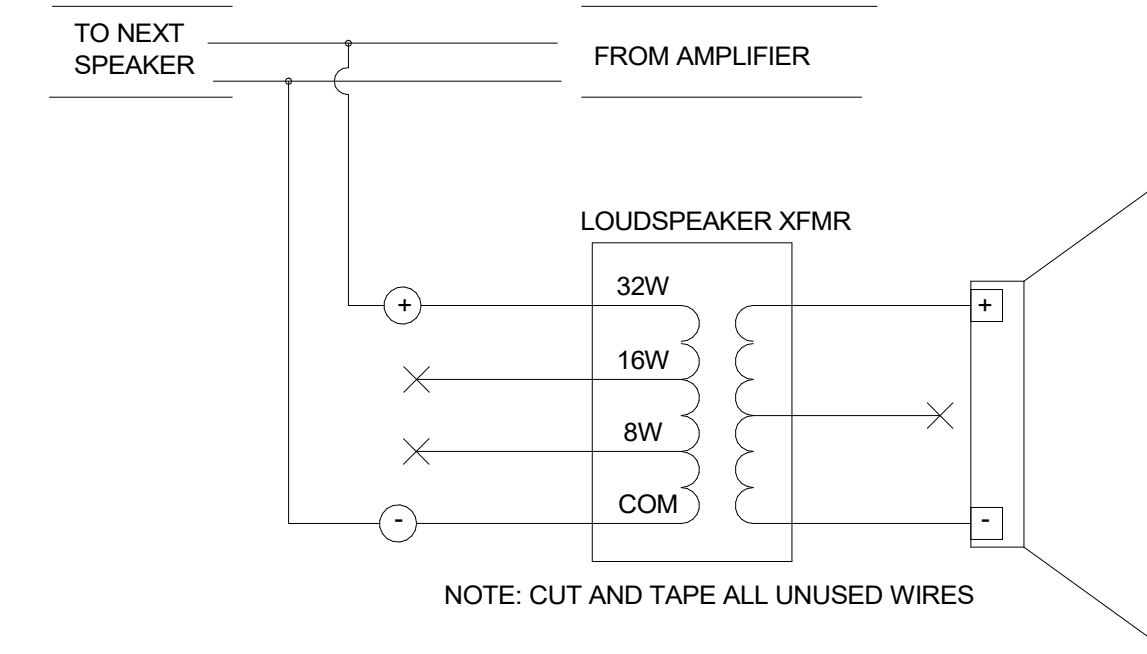


- NOTES:
- 1- METAL ROOF DECK
  - 2- BAR JOIST
  - 3- UNISTRUT- SECURED TO DECK OR BAR JOIST.
  - 4- SPRING NUT.
  - 5- FORGED SHOULDER EYE BOLT.
  - 6- BACK CAN.
  - 7- BAFFLE
  - 8- TYPICAL SUSPENDED CEILING WHERE APPLICABLE.
  - 9- 1/8" GALVANIZED AIRCRAFT CABLE. DEAD HANG ANGLES SHALL NOT EXCEED 90 DEGREES FROM VERTICAL. ALL CABLE BENDS MUST USE THIMBLES TO MAINTAIN BEND RADIUS.
  - 10- ALL RIGGING HARDWARE INCLUDING UNI-STRUT AND BEAM CLAMPS SHALL HAVE AN 8:1 SAFETY FACTOR. NO CABLES OR CHAINS SHALL BE WRAPPED "CHOKER STYLE" AROUND BAR JOIST OR BEAMS WITHOUT USING PROPER SADDLES OR RADIUS GUIDES.
  - 11- GRIPPLE STYLE SUPPORT DEVICES ARE EXPRESSLY FORBIDDEN.

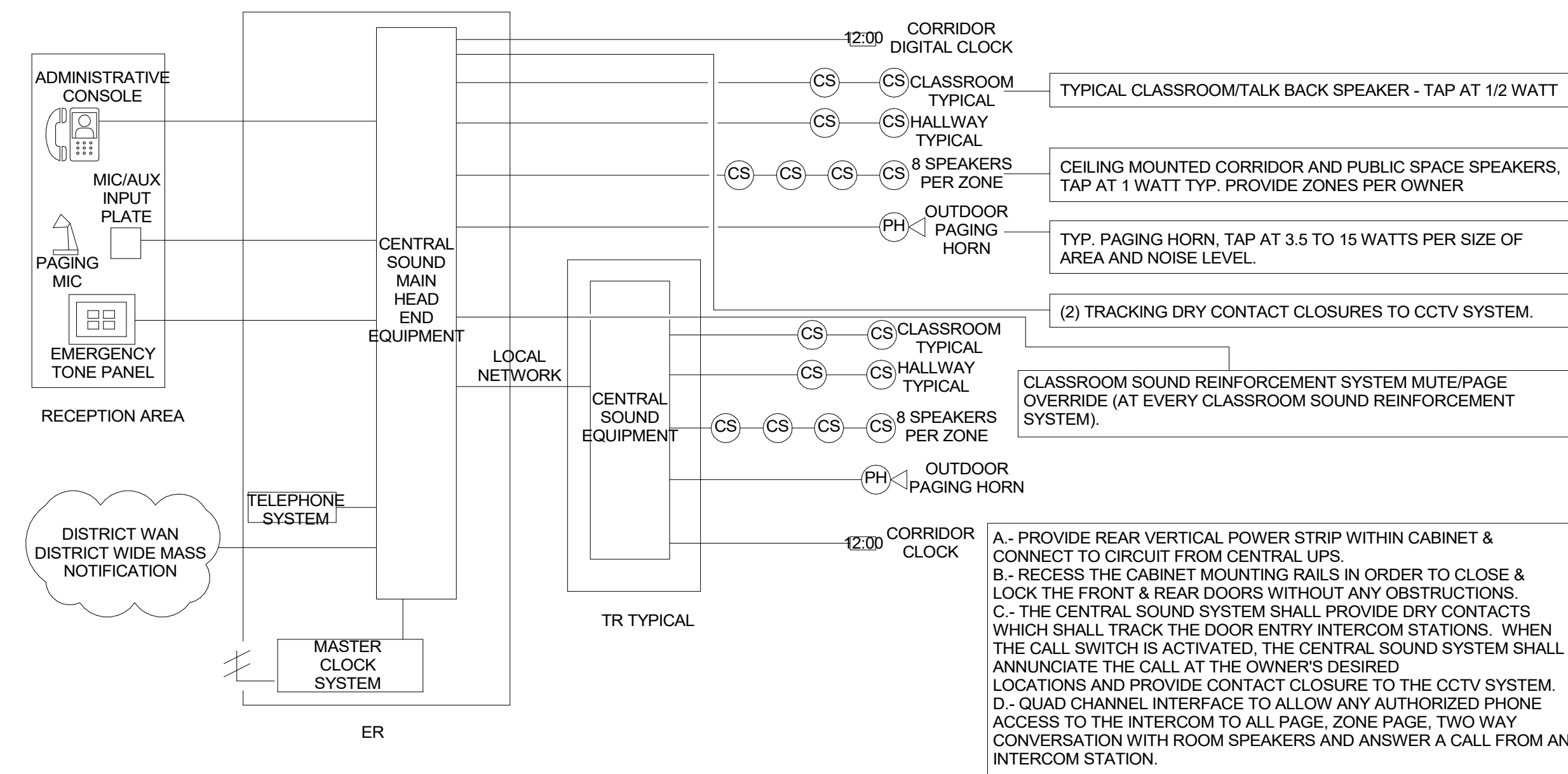
2 TYPICAL CEILING SOUND SYSTEM SPEAKER DETAIL  
NTS

GENERAL NOTES FOR ROUGH-IN DETAILS

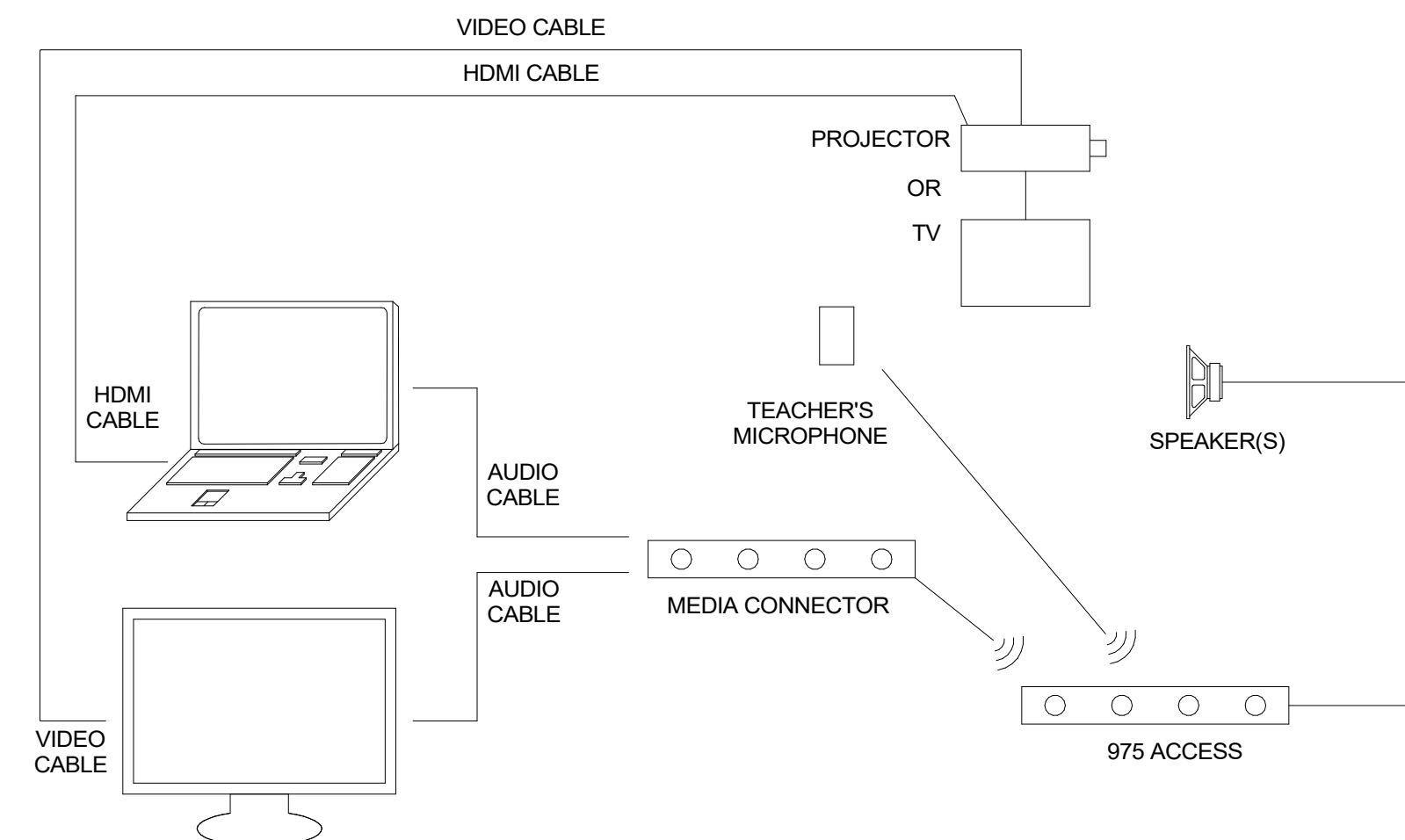
- A. GROUT AROUND ALL PENETRATIONS OF MASONRY OR DRYWALL SURFACES SO THERE ARE NO GAPS BETWEEN CONDUIT AND/OR BACK BOXES AND WALL PENETRATIONS.
- B. PULL STRING SHALL BE INSTALLED BETWEEN ALL PORTIONS OF THE BACK BOX AND CONDUIT RUN.
- C. ALL CONDUIT CONNECTIONS TO BACK BOXES SHALL BE CONDUIT TO BOX CONNECTORS.
- D. ALL CONDUITS SHALL BE RUN PARALLEL AND PERPENDICULAR TO BUILDING STRUCTURE.



3 LOUD SPEAKER TERMINATION  
NTS



4 CENTRAL SOUND SYSTEM SCHEMATIC DIAGRAM  
NTS



AV DIAGRAM NOTES:

1. DIAGRAM IS REPRESENTATIONAL ONLY. AUDIO VISUAL INTEGRATOR SHALL SUBMIT FOR APPROVAL A PROJECT SPECIFIC RISER DIAGRAM. DIAGRAM SHALL INCLUDE, BUT NOT LIMITED TO, ALL REQUIRED DEVICES AND CABLING. SYSTEM SHALL BE INSTALLED PER APPROVED DIAGRAM AND MANUFACTURER'S RECOMMENDATIONS.
2. ALL INSTALLATION MATERIALS AND WORKMANSHIP SHALL BE IN COMPLETE COMPLIANCE WITH ALL APPLICABLE CODES AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, NFPA 70 (NEC) AS WELL AS ALL ASSOCIATED INDUSTRY STANDARDS, E.G. EIA/TIA 568.
3. AUDIO VISUAL INTEGRATOR SHALL COORDINATE ALL POWER SUPPLY TERMINATIONS AND REQUIREMENTS WITH EC PRIOR TO INSTALLATION.
4. AUDIO VISUAL INTEGRATOR SHALL PROVIDE ALL CABLING JUMPERS AND TERMINATIONS TO COMPLETE ALL INTERCONNECTIONS OF THE SYSTEM BOTH WITHIN, AND EXTERNAL TO, THIS SYSTEM. ALL NETWORK COPPER AND FIBER TERMINATIONS SHALL BE IN FULL COMPLIANCE WITH THE STRUCTURED CABLING SPECIFICATIONS AND SHALL MATCH SAME IN BOTH PERFORMANCE AND MANUFACTURER.

5 TYPICAL AV CONNECTIVITY DIAGRAM WITH SOUND REINFORCEMENT  
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checked by: CB  
sheet number: T-502  
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