

New Hampton Community School Daycare

New Hampton, Iowa



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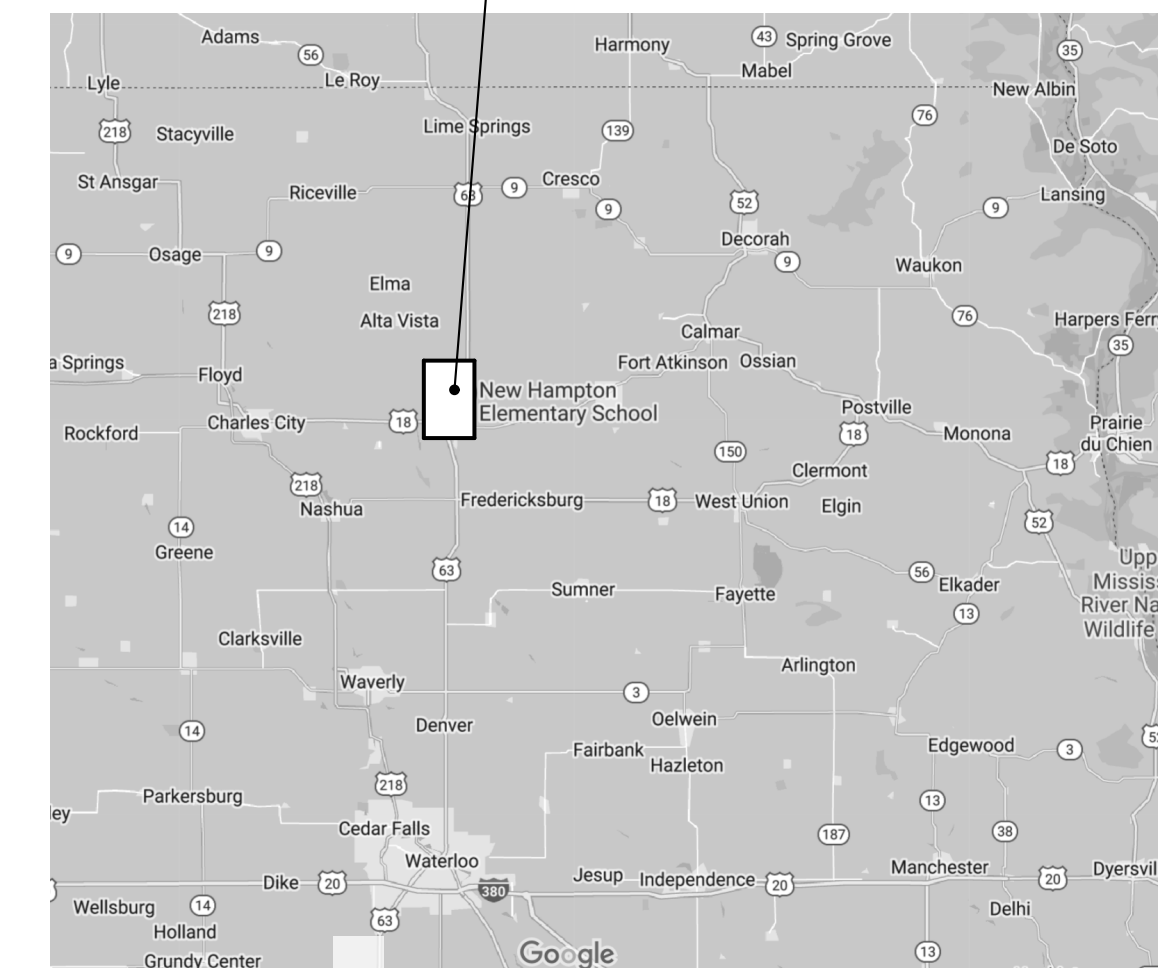
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M E P
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BID SET

PROJECT SITE



The portion of this technical submission described below has been prepared under the direct supervision & responsible charge of the undersigned.
JACOB J BAUER

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Pages of Sheets covered by this seal: A & S Series Drawings
Date of Issuance: April 10, 2023

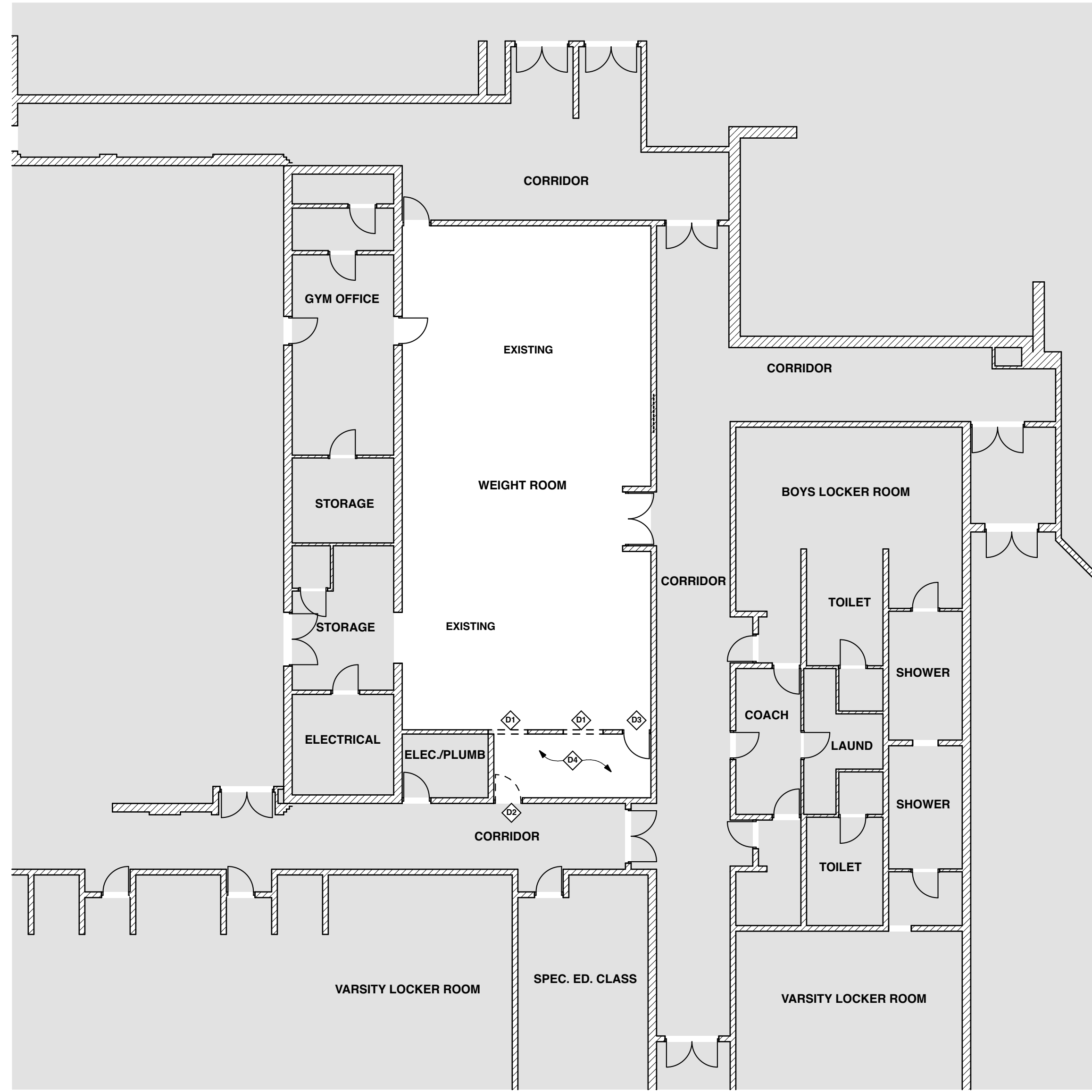
New Hampton Community School

206 West Main
New Hampton, IA 50659

Project No. 22-039

TITLE

April 10, 2023



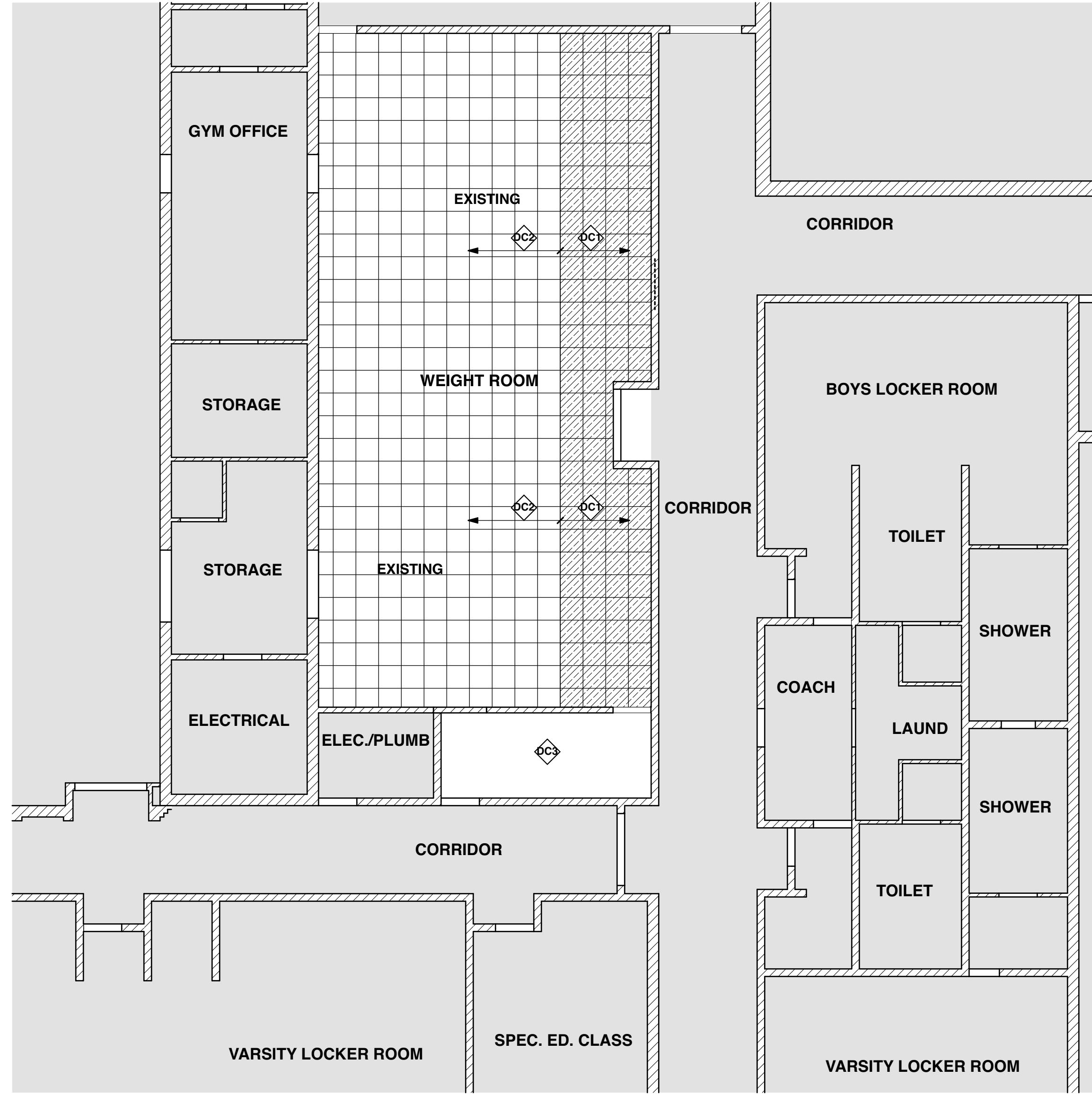
Demolition Floor Plan
SCALE: 3/32" = 1'-0"

PROPOSED FLOOR PLAN GENERAL NOTES:

A OWNER WILL REMOVE ALL WALL MOUNT SHELVING AND MISCELLANEOUS GYM EQUIPMENT OUT OF THE WORK SITE PRIOR TO CONSTRUCTION. IN ADDITION, ALL RUBBER FLOORING WILL BE REMOVE BACK TO EXISTING CONCRETE FLOOR SLAB.

DEMOLITION FLOOR PLAN KEYED NOTES:

- D1 DEMO EXISTING BLOCK WALL AND PREP FOR NEW HOLLOW METAL FRAMED OPENING. ALIGN NEW OPENING HORIZONTALLY ON EVEN MASONRY COURSING. VERIFY 18" CLEAR ON FULL SIDE OF NEW OPENING. DEMO 8" ON EITHER SIDE OF DOOR FOR 8" BEARING EACH SIDE.
- D2 DEMO EXISTING DOOR AND HOLLOW METAL FRAMING. INFILL WITH 8" MASONRY BLOCK. SALVAGE DOOR FOR FUTURE REUSE. PRIME AND PAINTING TO MATCH EXISTING CORRIDOR.
- D3 REMOVE EXISTING DOOR HARDWARE AND PREP FOR NEW HARDWARE.
- D4 CUT EXISTING CONCRETE SLAB AS REQUIRED TO PROVIDE ROUGH-INS FOR NEW PLUMBING ROUTING. SEE PLUMBING DRAWINGS FOR FUTURE CLARIFICATIONS.

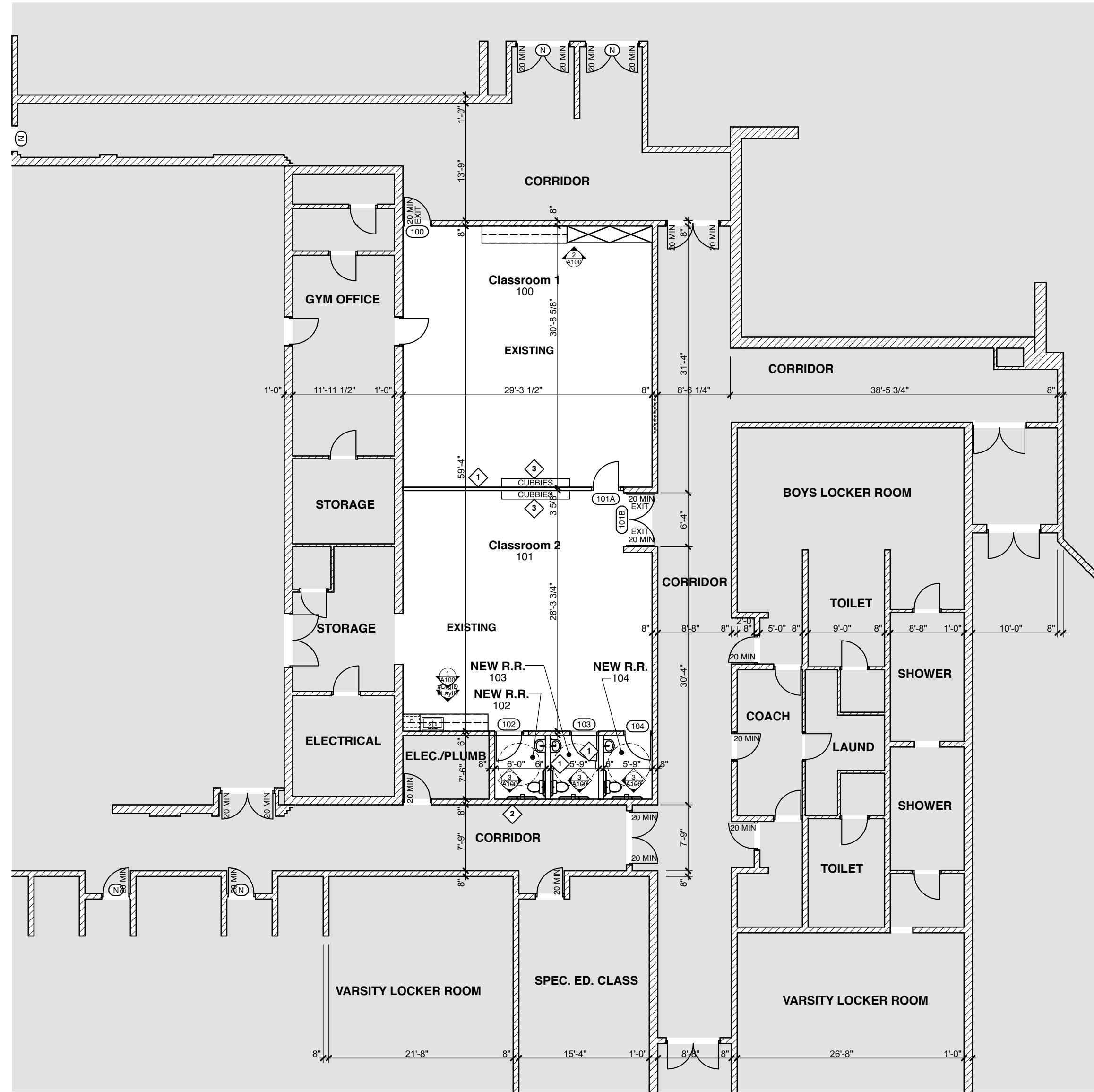


Demolition Reflected Ceiling Plan
SCALE: 1/8" = 1'-0"

DEMOLITION CEILING PLAN KEYED NOTES:

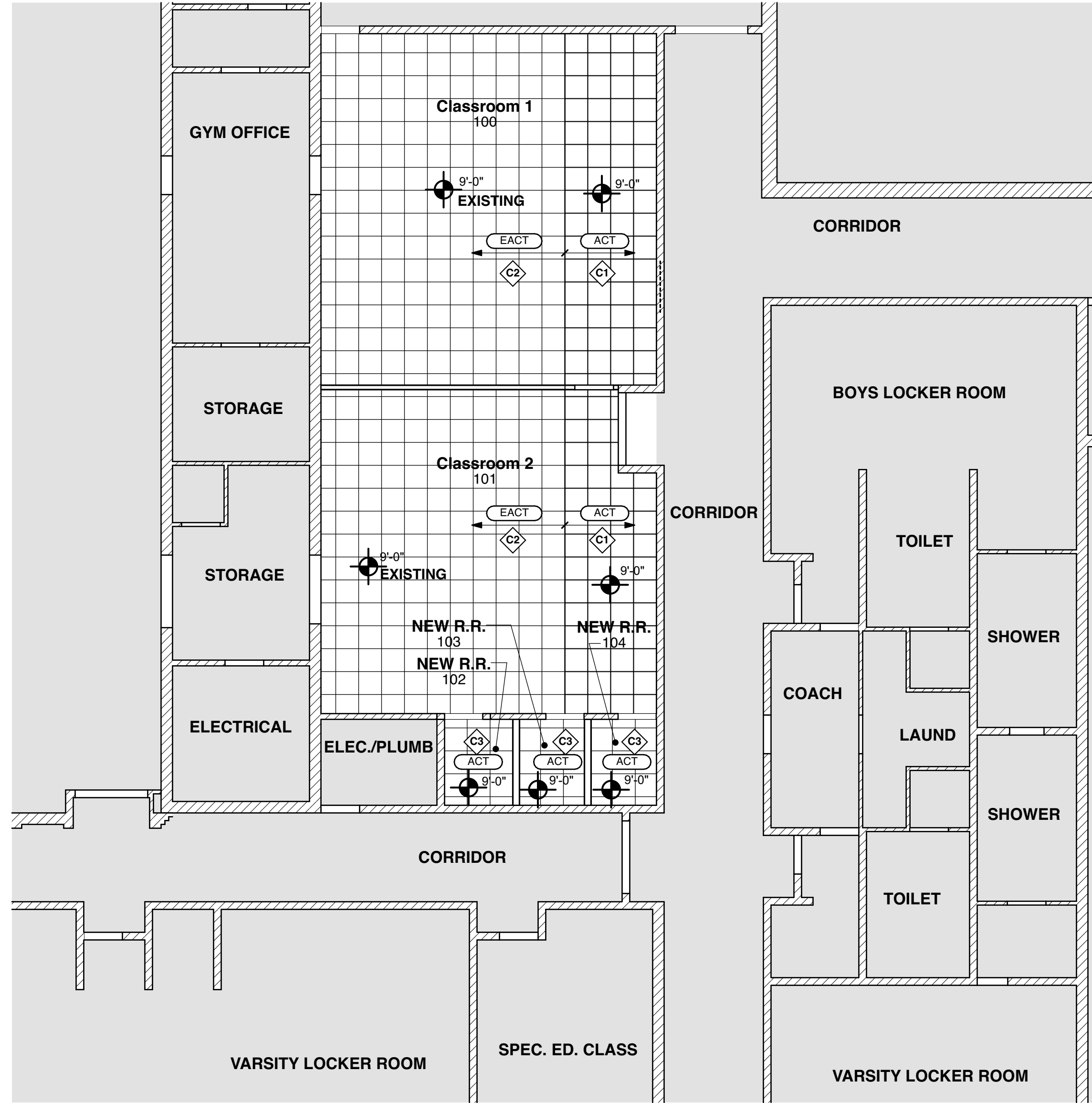
- DC1 REMOVE EXISTING CEILING TILE AND GRID AS REQUIRED TO INSTALL NEW MECHANICAL DUCTING. SALVAGE ALL TILES AND TRUCK FOR INSTALL IN LATER PHASE.
- DC2 DO NOT DISTURB EXISTING CEILING TILE, LIGHT FIXTURES OR GRID. REPLACE IN KIND IF DISTURBED.
- DC3 REMOVE AND DISCARD SURFACE DROP DOWN LIGHT FIXTURES





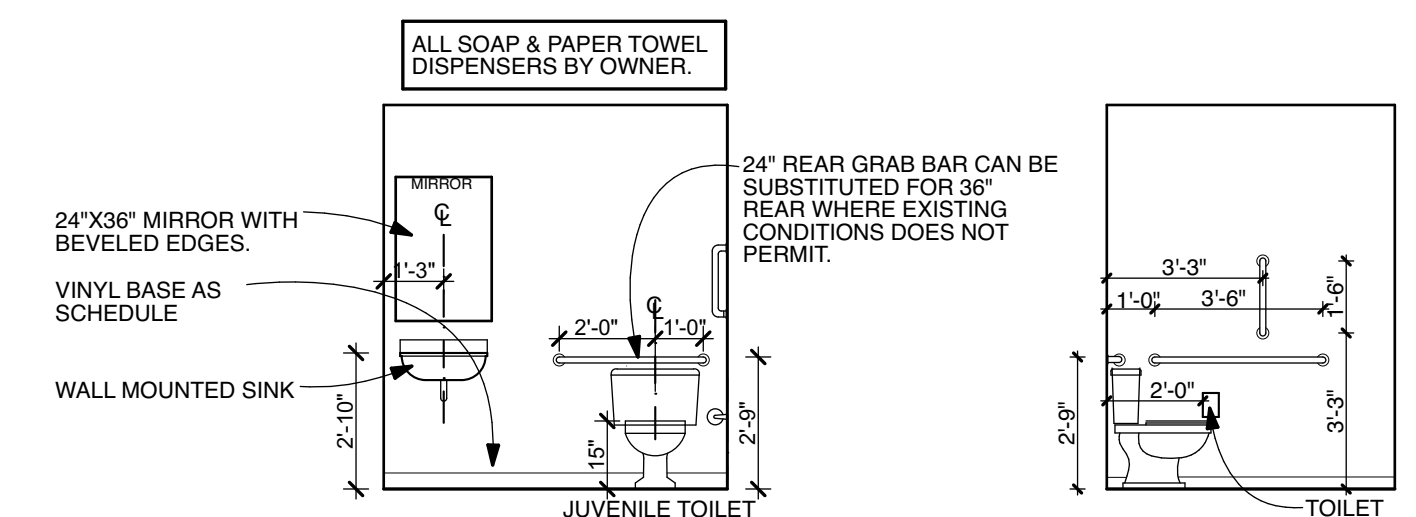
Proposed Floor Plan
SCALE: 3/32" = 1'-0"

- PROPOSED FLOOR PLAN KEYED NOTES:**
- ALL FRAMED WALLS TO BE 20 GA METAL FRAMED STUDS, 16" O.C. WITH 5/8" GYPSUM BOARD EACH SIDE. PROVIDE BRIDGING 48" ON CENTER. PROVIDE WOOD BLOCKING FOR INSTALLATION OF OWNER PROVIDED CUBBIES. COORDINATE HEIGHT OF BLOCKING WITH OWNER. FILL CAVITY FULL WITH SOUND BATT INSULATION.
 - FILL IN BLOCK WALL WITH NEW MASONRY BLOCK INFILL. PRIME AND PAINT TO MATCH EXISTING.
 - NEW CUBBIES PROVIDED BY OWNER. INSTALLED BY CONTRACTOR. PROVIDE ADEQUATE BLOCKING FOR PROPER SUPPORT. BOTTOM OF CUBBIES TO BE SET NO LOWER THAN 48" ABOVE FINISHED FLOOR.

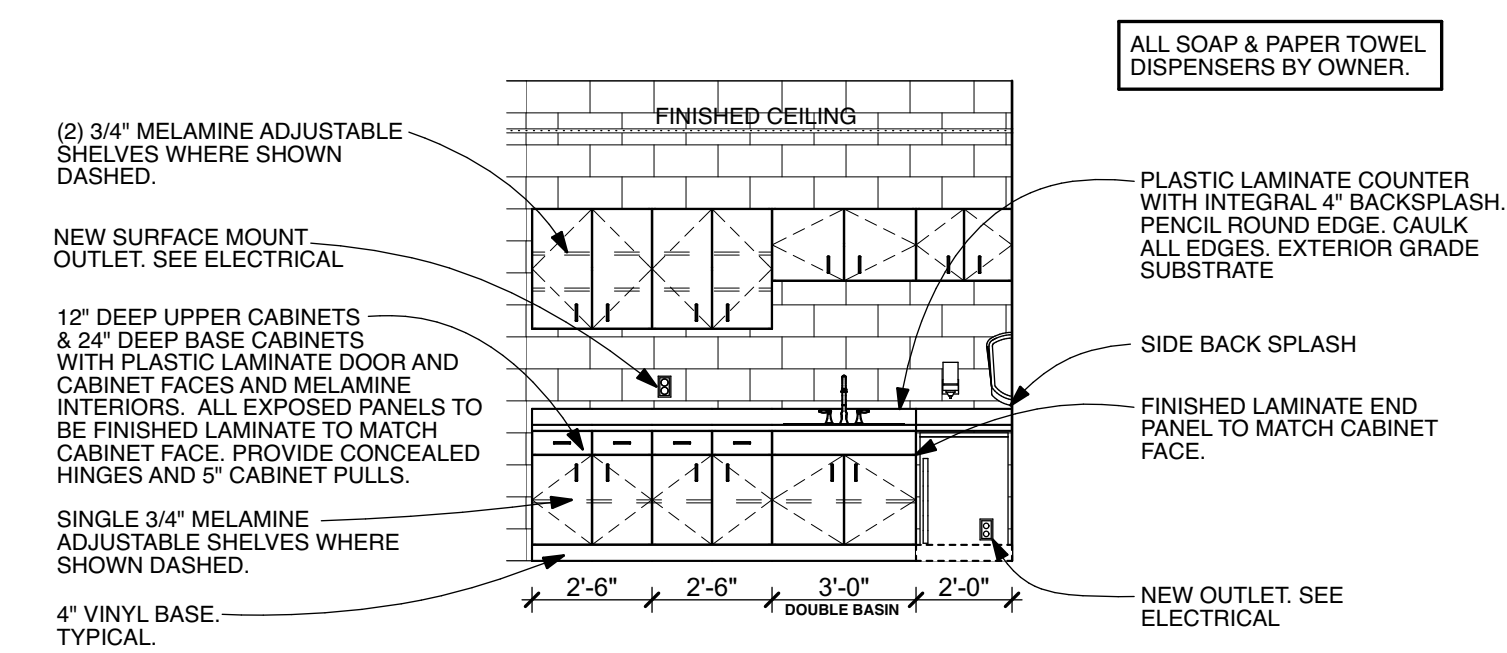


Proposed Reflected Ceiling Plan
SCALE: 1/8" = 1'-0"

- PROPOSED CEILING PLAN KEYED NOTES:**
- C1 REINSTALL EXISTING CEILING TILE AND GRID.
 - C2 EXISTING CEILING TILE. DO NOT DISTURB
 - C3 NEW ACOUSTICAL CEILING TILE AND CEILING GRID. VERIFY PROPOSED GRID AND TILE MATCH EXISTING.

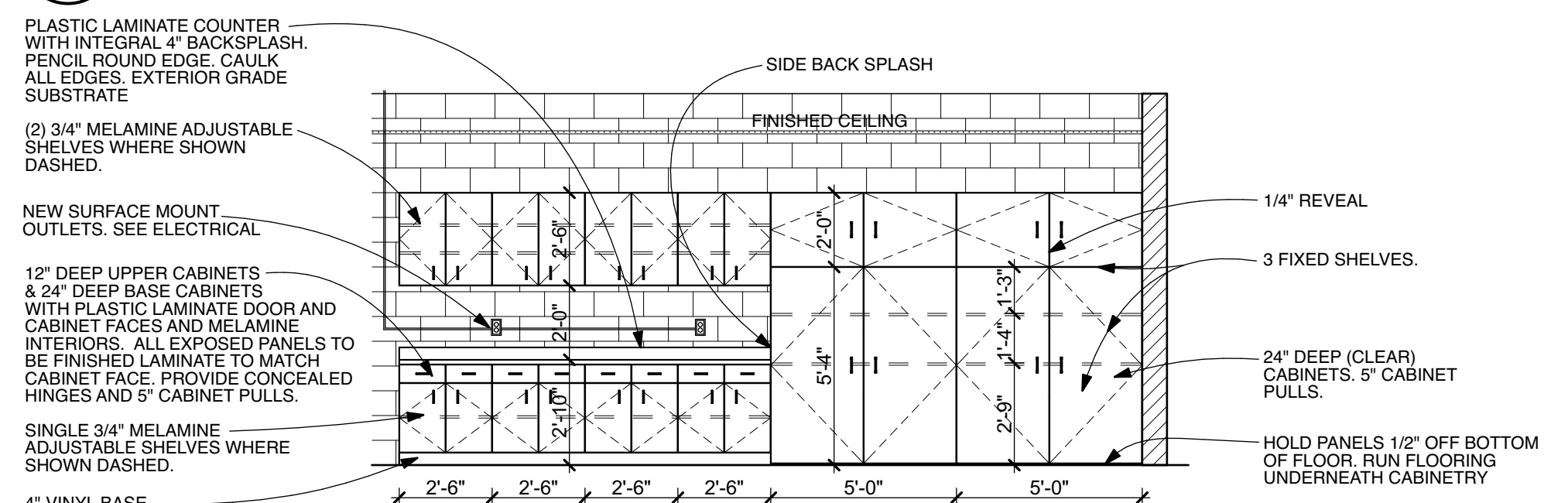


ADA Restroom (Typical)
SCALE: 1/4" = 1'-0"



Classroom Casework

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



Infant Classroom

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

Code Analysis:

Code(s) Referenced: 2021 IBC
Sprinkler: Portion of work NOT sprinklered

Existing Occupancy: Educational Occupancy
Proposed Occupancy: Educational Occupancy

Day care facilities. This group includes buildings and structures or portions thereof occupied by more than five children older than 2 1/2 years of age who receive educational, supervision or personal care services for fewer than 24 hours a day.

Notes:

- Table 1006.2.1 Spaces with one exit or exit access doorway
- Educational occupancy (2 1/2 + years of age) require an occupant load greater than 49 and a maximum common path of travel of 75 feet without a sprinkler system.
- Each classroom will have minimum 1 exit directly to the existing corridor. Classrooms will be sized to be no greater than 49 occupants. If there is circumstance where the classroom size is desired to be greater than 49 occupants, a second exit will be provided to accommodate the increased occupant load.
- Area of existing space to be converted into classrooms: 1,473 sq.ft.
- Max size of proposed classroom: 980 sq.ft.
- Occupant Load Factor (per table 1004.5): 35 net.
- Total Occupants per classroom: 49 occupants

DHS Requirements:

Restrooms will be provided to meet State Department of Human Service (DHS) requirements.

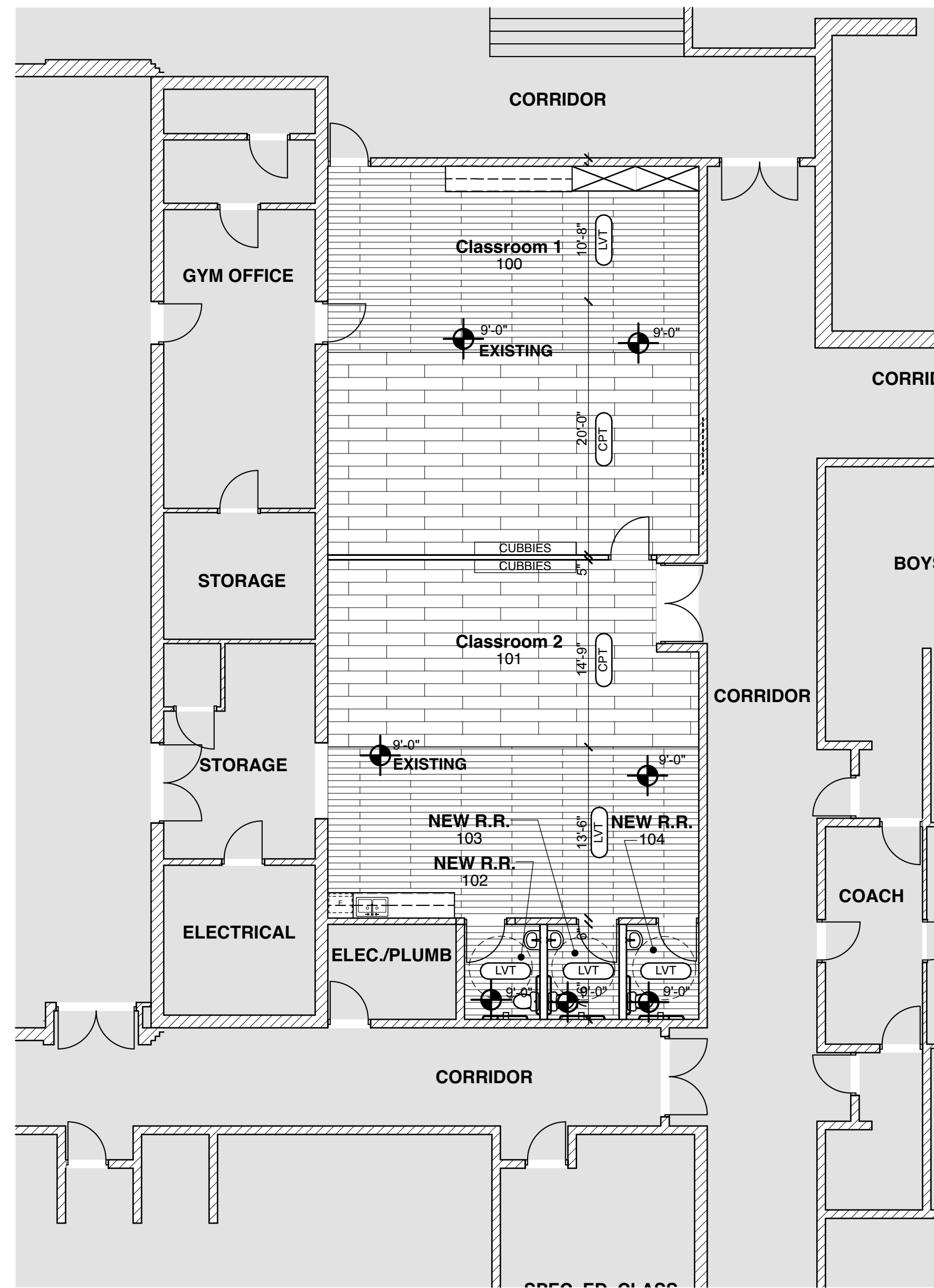
- One toilet/hand sink located in the same area per 15 children.
- Classrooms will need to maintain staff/child count at all times.
- Max children allowed in each classroom will be determined by 35 sq. ft. per child for children ages 2 1/2 and greater. No kids under the age of 2 1/2 years are permitted.
- Hand sinks are NOT required in the program classroom so long as the classroom is not planned for infant or toddler age.
- Staff Requirements:
 - Three Year: 1:8 children
 - Four Year: 1:12 children
 - 5-10: 1:15 children
 - 10+: 1:20 children

*Classroom 100 is planned for approx. 864 sq ft of usable square footage (48" and below)

*Classroom 101 is planned for approx. 784 sq ft of usable square footage (48" and below)

* If owner provided cubbies is mounted less than 48" usable square footage will alter accordingly.





N Floor Finish Plan
SCALE: 1/8" = 1'-0"

FINISH SCHEDULE

DOOR NUMBER	DOOR LOCATION	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	FLOOR FINISH	BASE	CEILING MATERIAL	CEILING HEIGHT	REMARKS
100	Classroom 1	B	Ge	Bp	B	SEE PLAN	V4	ACT	9'-0"	
101	Classroom 2	B	B	Bp	Ge	SEE PLAN	V4	ACT	9'-0"	
102	NEW R.R.	Gs	B	B	B	SEE PLAN	V4	ACT	9'-0"	
103	NEW R.R.	Gs	B	Gs	B	SEE PLAN	V4	ACT	9'-0"	
104	NEW R.R.	B	B	Gs	B	SEE PLAN	V4	ACT	9'-0"	

*VINYL BASE TO RUN CONTINUOUS AROUND ROOM AND AT BASE CABINET TOE KICKS.

FINISH PLAN GENERAL NOTES:

- A SOUTH WALL TO BE PRIMED ONLY. OWNER TO PROVIDE MURRAL FINAL FINISH. ALL OTHER EXISTING BLOCK WALLS AND NEW WALLS TO BE PRIMED AND PAINTED. COORDINATE FINAL PAINT COLORS WITH ARCHITECT.
- B PROVIDE FLOORING TRANSITION STRIPS BETWEEN ALL FLOORING TRANSITIONS. SEE TRANSITION TYPES ON DRAWING SHEET. CONTRACTOR TO VERIFY FINAL PROFILE WITH ARCHITECT PRIOR TO ORDERING.

WALL FINISHES:

- B EXISTING BLOCK WALL. PRIME AND PAINT.
- Bp EXISTING BLOCK WALL. PRIME ONLY.
- Ge GYPSUM BOARD WITH LIGHT ORANGE PEEL TEXTURE AND SATIN LATEX ENAMEL PAINT FINISH.
- Gs MOISTURE RESISTANT GYPSUM BOARD WITH LIGHT ORANGE PEEL TEXTURE AND SEMIGLOSS LATEX ENAMEL PAINT FINISH (EPOXY PAINT @ RESTROOMS)
- Gx GYPSUM BOARD WITH SMOOTH TEXTURE AND SATIN LATEX ENAMEL PAINT FINISH.

FLOOR FINISHES:

- CPT CARPET TILE. 12" X 36" MOHAWK/ALADDIN RESIDENTIAL. SERIES SYNDICATED BUZZ Q4198. COLOR INSTANT REPLAY 949. INSTALL IN 1/3 LAP JOINT.
- LVT LUXURY VINYL TILE. 2.5MM, 6"x 48" SHAW. STYLE IN THE GRAIN II 20 MIL (5525V) COLOR ENGLISH GREY 05012. INSTALL IN 1/3 LAP JOINT.
- SC EXISSTING SEALED CONCRETE.

TRANSITION STRIPS:

- LVT TO CARPET: (3MM TO 1/4" CARPET TILE) TARKETT TAP IN MOLDING CE-48-A GREY

BASE:

- V4 4" VINYL BASE BY TARKETT. CB-48 COVE BASE

DOOR AND FRAME SCHEDULE

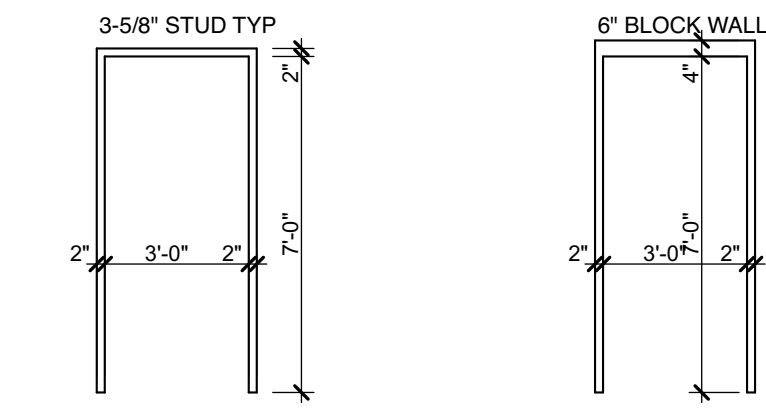
DOOR NUMBER	DOOR LOCATION	DOOR SIZE	DOOR SIZE	DOOR TYPE	FRAME TYPE	FIRE RATING	HARDWARE GROUP	REMARKS
100	CLASSROOM 100	EXTG	3'-0"x7'-0"	NC	3'-4"x7'-4"	20 MIN	-	NO CHANGE
101A	CLASSROOM 101	A	3'-0"x7'-0"	1	3'-4"x7'-2"	-	2	
101B	CLASSROOM 101	EXTG	6'-0"x7'-0"	NC	6'-4"x7'-4"	20 MIN	-	NO CHANGE
102	RESTROOM 102	A	3'-0"x7'-0"	2	3'-4"x7'-4"	-	1	
103	RESTROOM 103	A	3'-0"x7'-0"	2	3'-4"x7'-4"	-	1	
104	RESTROOM 104	EXTG	3'-0"x7'-0"	NC	3'-4"x7'-4"	-	1	NEW HARDWARE

HARDWARE SETS:

- FINISHES = 626 SATIN CHROME (MATCH EXISTING)
- PROVIDE (3) DOOR SILENCERS FOR ALL NEW DOORS WITHOUT SEALS
- CONFIRM WHAT IS INDICATED MATCHES EXISTING FINISH AND LEVER STYLE/GRADE.

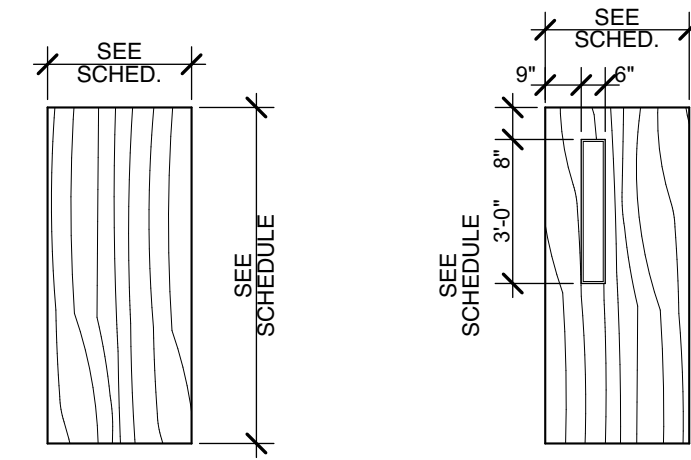
1. **PRIVACY DOOR**
(3) BALL BEARING HINGES 5BB1 ALX40S x RHO IVE
(1) PRIVACY LATCHSET WS407 SCH
(1) WALL STOP IVE
2. **PASSAGE DOOR**
(3) BALL BEARING HINGES 5BB1 ALX10S x RHO IVE
(1) PASSAGE LATCHSET 90 SERIES SCH
(1) OVERHEAD STOP GLN

DOOR FRAME ELEVATIONS



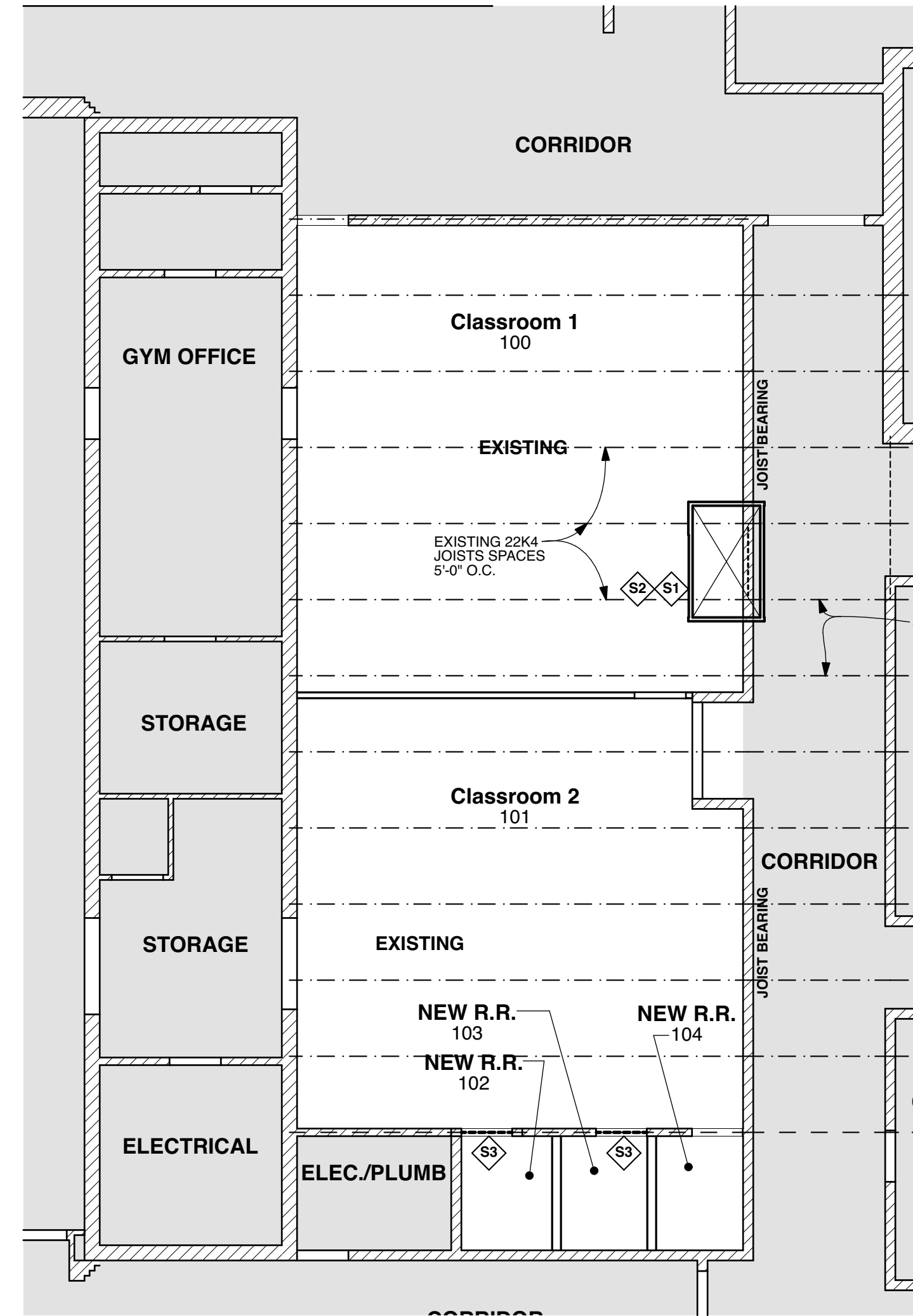
- 1 2" x 5 7/8" HOLLOW METAL DOOR FRAME. 16 GAUGE WITH MITERED AND WELDED CORNERS GROUND SMOOTH. 3 ANCHORS PER JAMB. PRIME AND PAINT. SEALANT BEAD BOTH SIDES AT PERIMETER.
- 2 2" x 5 3/4" HOLLOW METAL DOOR FRAME. 16 GAUGE WITH MITERED AND WELDED CORNERS GROUND SMOOTH. 3 ANCHORS PER JAMB. PRIME AND PAINT. SEALANT BEAD BOTH SIDES AT PERIMETER. 4" HEAD.

DOOR ELEVATIONS



- A 1 3/4" SOLID CORE FLUSH PANEL OAK MAPLE DOOR. STAIN AND VARNISH TO MATCH EXISTING.
- B 1 3/4" SOLID CORE CORE FLUSH PANEL OAK DOOR. STAIN AND VARNISH TO MATCH EXISTING. PROVIDE 6"x 36" CLEAR TEMPERED GLASS LITE SET IN METAL FRAME @ DOOR LITE. PROVIDE 1/4" CLEAR TEMPERED GLASS.





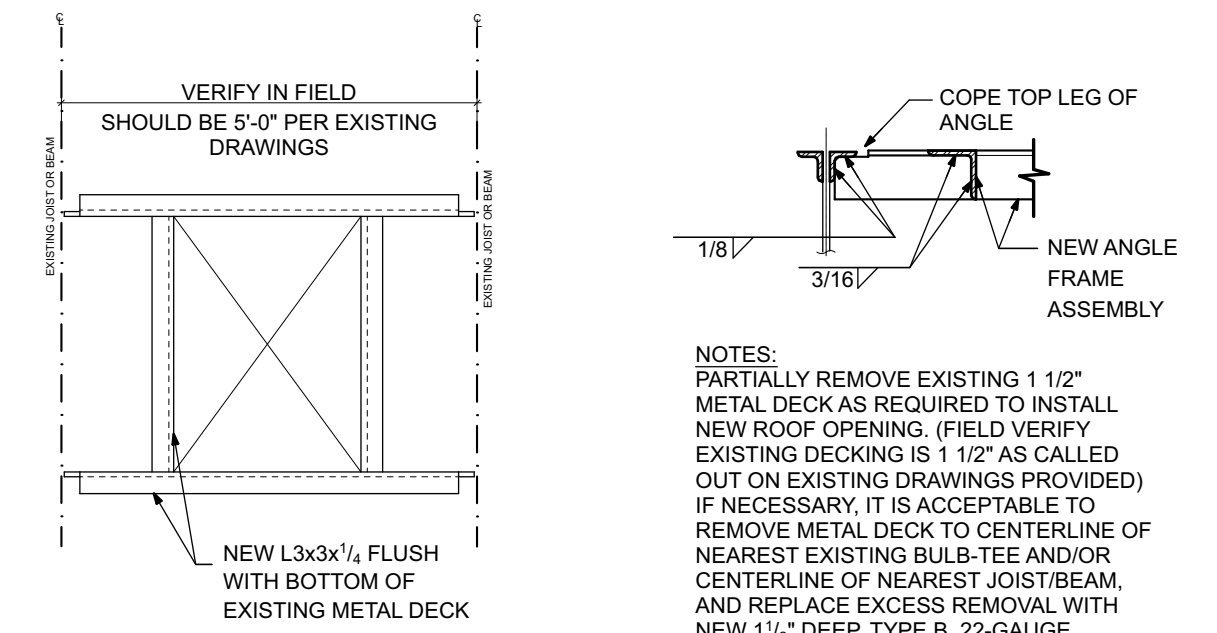
Structural Framing Plan
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

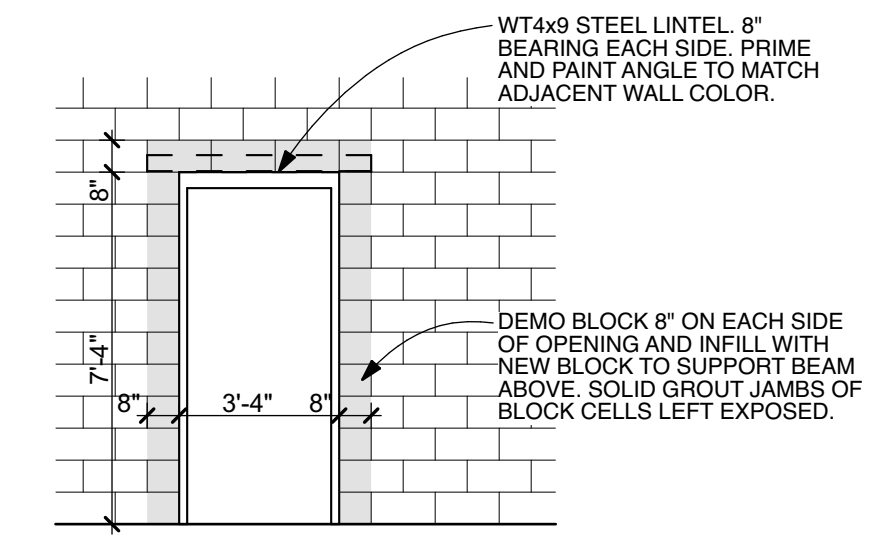
- A EXISTING BUILDING IS SHOWN ACCORDING TO ORIGINAL CONSTRUCTION DRAWINGS. EXISTING CONDITIONS AND DIMENSIONS SHALL BE FIELD VERIFIED BY CONTRACTORS. ANY FIELD DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT. CONTACT ARCHITECT IF ELECTRONIC COPY OF ORIGINAL CONSTRUCTION DRAWINGS ARE DESIRED.
- B PROTECT AREAS ADJACENT TO DEMOLITION DURING CONSTRUCTION.
- D PROPOSED PROCEDURE FOR PARTIAL REMOVAL OF OPEN WEB STEEL BAR JOIST BRIDGING AND CROSS-BRACING TO INSTALL NEW CONSTRUCTION:
 - o IF IT IS NECESSARY TO REMOVE THE HORIZONTAL BRIDGING MEMBERS BETWEEN ADJACENT OPEN WEB STEEL JOISTS, IT WILL BE NECESSARY TO PROVIDE NEW CROSS-BRACING (L2x2x1/8) BETWEEN ADJACENT JOISTS ON BOTH SIDES OF THE REMOVAL. NOTE THAT THE NEW CROSS-BRACING CAN BE OMITTED ON ONE OR BOTH SIDES IF THE BRIDGING ON THAT SIDE REMAINS DIRECTLY CONNECT TO EXISTING CROSS-BRACING.
 - o IF IT IS NECESSARY TO REMOVE THE CROSS-BRACING MEMBERS ONLY AND THE HORIZONTAL BRIDGING MEMBERS CAN REMAIN BETWEEN ADJACENT OPEN WEB STEEL JOISTS, IT WILL BE NECESSARY TO PROVIDE NEW CROSS-BRACING (L2x2x1/8) BETWEEN ADJACENT JOISTS ON ONE SIDE OR THE OTHER SIDE OF THE REMOVAL.
 - o IF IT IS NECESSARY TO REMOVE THE CROSS-BRACING MEMBERS, AS WELL AS THE HORIZONTAL BRIDGING MEMBERS BETWEEN ADJACENT OPEN WEB STEEL JOISTS, IT WILL BE NECESSARY TO PROVIDE NEW CROSS-BRACING (L2x2x1/8) BETWEEN ADJACENT JOISTS ON BOTH SIDES OF THE REMOVAL.

NOTES:

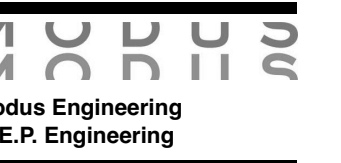
- S1 INSTALL NEW RTU'S TO SADDLE AND BEAR DIRECTLY ON EXISTING MASONRY BEARING WALLS. IF NECESSARY PROVIDE SHIMS OR GROUT TO ENSURE A DIRECT LOAD PATH BETWEEN NEW RTU'S AND MASONRY BEARING WALLS. BELOW. SEE PROVIDED DETAIL 1/5100 FOR REINFORCING FOR ROOF OPENING. ROUGH OPENING ARE SHOWN FOR REFERENCE ONLY. FINAL LOCATIONS ARE TO BE FIELD VERIFIED AROUND EXISTING STRUCTURE. SEE MECHANICAL PLANS FOR MECHANICAL LAYOUT.
- S2 NEW RTU TO SIT ON EXISTING CURB. SEE MECHANICAL FOR INSTALLATION INSTRUCTIONS
- S3 PROVIDE NEW WT49 STEEL LINTEL. 8" BEARING EACH SIDE. SEE DETAIL 1/S100.



TYPICAL ROOF OPENING DETAIL
NOT TO SCALE



1 Door Elevation Detail
SCALE: 1/4" = 1'-0"



NEW HAMPTON COMMUNITY SCHOOL DAYCARE

NEW HAMPTON, IA

MECHANICAL SYMBOLS LIST

NOTE: NOT ALL SYMBOLS SHOWN MAY BE REQUIRED FOR THIS PROJECT

SHEET METAL

- SQUARE CEILING DIFFUSER WITH ROUND NECK
- SQUARE CEILING RETURN AIR GRILLE
- SQUARE CEILING EXHAUST OR RELIEF AIR GRILLE
- LINEAR SLOT DIFFUSER
- FLOOR REGISTER OR GRILLE
- SIDEWALL REGISTER OR GRILLE
- FLEX DUCT
- DUCT SIZE: HORIZONTAL (IN PLANE) WIDTH x VERTICAL (OUT OF PLANE) HEIGHT (NET OUTSIDE SHEET METAL DIMENSION)
- RECTANGULAR ELBOW WITH TURNING VANES
- CONCENTRIC DUCT REDUCER
- ECCENTRIC DUCT REDUCER
- EXISTING DUCTWORK TO BE REMOVED
- EXISTING DUCTWORK TO REMAIN
- SUPPLY AIR DUCT SECTION UP OR TOWARDS
- RETURN AIR DUCT SECTION UP OR TOWARDS
- EXHAUST AIR DUCT SECTION UP OR TOWARDS
- OUTSIDE AIR DUCT SECTION UP OR TOWARDS
- SUPPLY AIR DUCT SECTION DOWN OR AWAY
- RETURN AIR DUCT SECTION DOWN OR AWAY
- EXHAUST AIR DUCT SECTION DOWN OR AWAY
- OUTSIDE AIR DUCT SECTION DOWN OR AWAY
- DIRECTIONAL FLOW ARROW
- HORIZONTAL DAMPER
FD = FIRE/SMOKE DAMPER, FD = FIRE DAMPER, SD = SMOKE DAMPER
CD = CONTROL DAMPER
- VOLUME CONTROL DAMPER
- GRILLE/DIFFUSER TAG WITH TYPE NUMBER AND CFM QUANTITY
S = SUPPLY, R = RETURN, E = EXHAUST
- GRILLE/DIFFUSER TAG WITH TYPE NUMBER AND CFM QUANTITY
S = SUPPLY, R = RETURN, E = EXHAUST
- VARIABLE AIR VOLUME (VAV) BOX WITH TYPE NUMBER
- THERMOSTAT
- HUMIDISTAT
- DUCT RISE
- DUCT DROP
- FLEXIBLE DUCT CONNECTOR
- CONED TAKEOFF WITH DAMPER

PLUMBING

- DOMESTIC COLD WATER LINE - CW
- DOMESTIC HOT WATER LINE - HW
- DOMESTIC HOT WATER CIRCULATING LINE - HWC
- TEMPERED WATER LINE
- SOFT COLD WATER LINE
- SOFT HOT WATER LINE
- SANITARY SEWER LINE
- GREASE SANITARY SEWER LINE
- STORM SEWER LINE
- STORM SEWER OVERFLOW LINE
- PLUMBING VENT LINE
- NATURAL GAS LINE
- CLEANOUT IN FLOOR
- CLEANOUT AT OR ABOVE CEILING
- SHOWERHEAD
- FLOOR DRAIN
- ROOF DRAIN
- PLUMBING FIXTURE (SINK) ON ASSOCIATED LEVEL
- PLUMBING FIXTURE (SINK) ON LEVEL ABOVE

PIPING SPECIALTIES

- PIPE RISER
- PIPE DROP
- UNION
- PIPE CAP
- BACKFLOW PREVENTER
- FLEXIBLE PIPE CONNECTOR
- FLOAT & THERMOSTATIC TRAP
- THERMOSTATIC TRAP
- STRAINER
- STRAINER W/DRAIN VALVE
- AIR VENT
- PRESSURE GAUGE
- EXPANSION JOINT
- GLOBE VALVE
- BUTTERFLY VALVE
- BALL VALVE
- LUBRICATED PLUG VALVE
- CALIBRATED BALANCE VALVE
- AUTOMATIC FLOW LIMITING VALVE
- VENTURI FLOW MEASURING STATION
- VENTURI FLOW BALANCING STATION
- CHECK VALVE
- THERMOMETER
- TEMPERATURE WELL
- P/T PORT

MISCELLANEOUS

- EXISTING LINE TO REMAIN
- EXISTING LINE TO BE REMOVED (ON DEMOLITION PLANS)
- POINT OF NEW CONNECTION
- EXISTING TO REMAIN
- EXISTING TO BE REMOVED
- EXISTING TO BE RELOCATED

ELECTRICAL SYMBOLS LIST

NOTE: NOT ALL SYMBOLS SHOWN MAY BE REQUIRED FOR THIS PROJECT

WIRING DEVICES

- DUPLEX WALL RECEPTACLE
- DUPLEX RECEPTACLE ON BACKUP POWER
- DUPLEX WALL RECEPTACLE ABOVE COUNTER BACKSPASH OR AS INDICATED
- DUPLEX WALL RECEPTACLE ABOVE COUNTER BACKSPASH OR AS INDICATED ON BACKUP POWER
- DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
- DUPLEX TAMPER-RESISTANT RECEPTACLE
- DUPLEX WEATHERPROOF GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE WITH COVER
- DUPLEX RECEPTACLE WITH USB CHARGER PORT
- DUPLEX RECEPTACLE INSTALLED HORIZONTALLY
- QUADRUPLX RECEPTACLE
- QUADRUPLX RECEPTACLE ON BACKUP POWER
- QUADRUPLX RECEPTACLE ABOVE COUNTER BACKSPASH OR AS INDICATED
- QUADRUPLX RECEPTACLE ABOVE COUNTER BACKSPASH OR AS INDICATED ON BACKUP POWER
- SIMPLEX WALL RECEPTACLE, VERIFY POWER NEEDS
- SIMPLEX WALL RECEPTACLE, ON BACKUP POWER
- DUPLEX CEILING RECEPTACLE
- JUNCTION BOX
- WIREMOLD/PLUGMOLD W/ENTRANCE FITTING AS SPECIFIED AND RECEPTACLES & DEVICES AS INDICATED
- WALL RECEPTACLE, VERIFY POWER NEEDS
- 200V WALL RECEPTACLE ON BACKUP POWER
- HAND DRYER (BY OTHERS)
- AUTOMATIC FAUCET/VALVE
- EMERGENCY PUSH BUTTON (GENERATORS/BOILERS)
- ADA PUSH BUTTON (BY OTHERS)

EQUIPMENT WIRING

- DISCONNECTING MEANS
- WEATHERPROOF DISCONNECTING MEANS
- FUSED DISCONNECTING MEANS
- MOTOR STARTER - REFER TO SPECIFICATIONS 26.28.16, AUTOMATIC CONTROLLERS
- MOTOR RATED SWITCH
- VARIABLE FREQUENCY DRIVE W/INTERGRAL DISCONNECT

SWITCHES - LOW VOLTAGE (DIGITAL)

(REFER TO LIGHTING SEQUENCE OF OPERATION FOR ADDITIONAL INFORMATION)

- WALL SWITCH/STATION
- OCCUPANCY SENSOR WALL SWITCH
- CEILING MOUNT OCCUPANCY SENSOR
- DAYLIGHT PHOTOSENSOR
- EXTERIOR PHOTOCELL

SWITCHES - LINE VOLTAGE (120/277V)

(REFER TO LIGHTING SEQUENCE OF OPERATION FOR ADDITIONAL INFORMATION)

- SINGLE POLE
- DIMMING SWITCH
- 3-WAY SWITCH
- 4-WAY SWITCH
- SINGLE POLE KEYSWITCH
- 3-WAY KEYSWITCH
- PILOT LIGHT SWITCH
- MOMENTARY LIGHT SWITCH
- OCCUPANCY SENSOR WALL SWITCH
- CEILING MOUNT OCCUPANCY SENSOR

DISTRIBUTION

- SURFACE-MOUNT PANEL
- FLUSH-MOUNT PANEL
- TRANSFORMER
- C/T CABINET
- METER

COMMUNICATIONS SYSTEMS

- TELEPHONE OUTLET IN WALL
- TELEPHONE OUTLET ABOVE COUNTER BACKSPASH
- TELEPHONE OUTLET FOR WALL MOUNTED TELEPHONE
- DATA OUTLET IN WALL W/ # OF JACKS
- DATA OUTLET ABOVE COUNTER BACKSPASH
- DATA OUTLET IN CEILING
- WIRELESS ACCESS POINT
- COMBINATION PHONE/DATA OUTLET IN WALL
- COMBINATION PHONE/DATA OUTLET ABOVE COUNTER
- TELEVISION OUTLET IN WALL
- TELEVISION OUTLET IN CEILING
- WALL HORN INDICATOR
- CEILING SPEAKER
- INTERCOM PUSH BUTTON
- AUDIO VISUAL OUTLET IN WALL
- AUDIO VISUAL OUTLET IN FLOOR
- CLOCK LOCATION
- CLOCK LOCATION - DOUBLE FACE

FIRE ALARM & DETECTION

- DUCT SMOKE DETECTOR
- SMOKE DETECTOR - CEILING MOUNTED
- SMOKE DETECTOR WITH SOUNDER BASE
- COMBINATION SMOKE/CO DETECTOR
- HEAT DETECTOR - RATE OF RISE
- HEAT DETECTOR - FIXED TEMPERATURE
- FIRE ALARM PULL STATION
- FIRE ALARM HORN/STROBE - WALL MOUNTED
- FIRE ALARM HORN/STROBE - CEILING MOUNTED
- FIRE ALARM SPEAKER - WALL MOUNTED
- FIRE ALARM SPEAKER - CEILING MOUNTED
- FIRE ALARM SPEAKER/STROBE - WALL MOUNTED
- FIRE ALARM SPEAKER/STROBE - CEILING MOUNTED
- FIRE ALARM STROBE LIGHT - WALL MOUNTED
- FIRE ALARM STROBE LIGHT - CEILING MOUNTED
- FIRE ALARM RELAY
- FIRE ALARM HOLD-OPEN CONNECTION
- FIRE/SMOKE DAMPER CONNECTION
- SPRINKLER TAMPER SWITCH MONITORING
- SPRINKLER FLOW SWITCH MONITORING
- POST INDICATOR VALVE MONITORING
- FIRE ALARM CONTROL PANEL
- FIRE ALARM ANNUNCIATOR PANEL
- EMERGENCY CONTROL BOX
- VOICE EVACUATION AND MESSAGING

LUMINAIRES

- 1/4" RECESSED TROFFER FIXTURE W/TYPED NUMBER
- 2/4" RECESSED TROFFER FIXTURE W/TYPED NUMBER
- 2/4" RECESSED TROFFER FIXTURE W/TYPED NUMBER
- RECESSED LINEAR FIXTURE W/TYPED NUMBER
- 2/4" SURFACE MOUNT TROFFER FIXTURE W/TYPED NUMBER
- 2/4" SURFACE MOUNT TROFFER FIXTURE W/TYPED NUMBER
- SURFACE MOUNT LINEAR FIXTURE W/TYPED NUMBER
- WALL MOUNT LINEAR FIXTURE W/TYPED NUMBER
- SURFACE/CEILING MOUNT STRIP FIXTURE W/TYPED NUMBER
- SUSPENDED MOUNT STRIP FIXTURE W/TYPED NUMBER
- COVE LIGHT FIXTURE W/TYPED NUMBER
- SURFACE MOUNT FIXTURE W/TYPED NUMBER
- RECESSED DOWNLIGHT FIXTURE W/TYPED NUMBER
- PENDANT MOUNT FIXTURE W/TYPED NUMBER
- WALL MOUNT FIXTURE W/TYPED NUMBER
- TRACK MOUNT FIXTURE W/TYPED NUMBER
- INGROUND FIXTURE W/TYPED NUMBER
- POLE MOUNT FIXTURE W/TYPED NUMBER
- GROUND MOUNT FLOOD LIGHT FIXTURE W/TYPED NUMBER
- TREE UPLIGHT FIXTURE W/TYPED NUMBER

EXIT & EMERGENCY

- SINGLE FACE CEILING MOUNTED EXIT SIGN WILL ILLUMINATED FACE AND DIRECTION
- DOUBLE FACE CEILING MOUNTED EXIT SIGN WILL ILLUMINATED FACES) AND DIRECTION INDICATED
- WALL MOUNTED EXIT SIGN W/DIRECTION INDICATED
- EDGE MOUNTED EXIT SIGN WILL ILLUMINATED FACES) AND DIRECTION INDICATED
- EMERGENCY BATTERY PACK
- ROUND CEILING MOUNT EMERGENCY LIGHT FIXTURE W/TYPED NUMBER AND CIRCUIT INDICATED ON PLANS (FULL SHADE)
- RECTANGULAR CEILING MOUNT EMERGENCY LIGHT FIXTURE W/TYPED NUMBER AND CIRCUIT INDICATED ON PLANS (FULL SHADE)

MISCELLANEOUS

- EXISTING - TO REMAIN
- EXISTING - TO BE RELOCATED
- EXISTING - TO BE REMOVED
- CONDUIT
- SWITCH-LEG IN CONDUIT
- UNDER GROUND CONDUIT
- EMPTY CONDUIT
- POINT OF NEW CONNECTION
- WEATHERPROOF
- ABOVE FINISHED FLOOR
- ABOVE FINISH GRADE
- DEVICE ON WIREMOLD
- WIRE GUARD
- FIRE STOP
- PASS-THROUGH

New Hampton Community School

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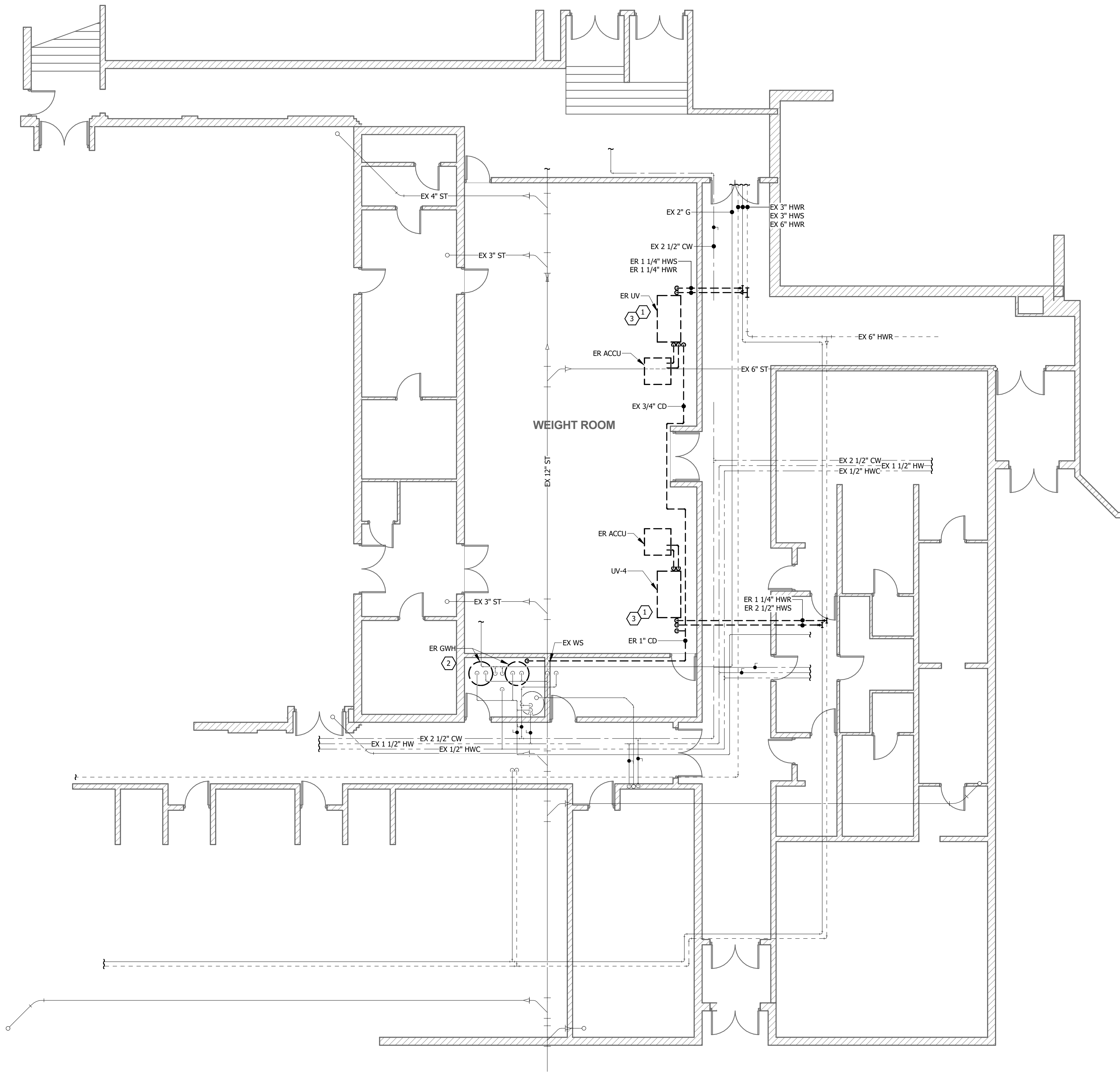
SHEET INDEX	
SHEET NUMBER	SHEET NAME
ME000	MEPT SYMBOLS LIST
PD100	PLUMBING DEMOLITION PLAN
P100	PLUMBING UNDERFLOOR PLAN
P101	PLUMBING PLAN
MD100	MECHANICAL DEMOLITION PLAN
M101	MECHANICAL PLAN
M501	MECHANICAL SCHEDULES AND DETAILS
ED101	ELECTRICAL DEMOLITION PLAN
E101	ELECTRICAL POWER PLAN
E102	OVERALL LOW VOLTAGE PLAN
E201	ELECTRICAL LIGHTING PLAN
E501	ELECTRICAL DETAILS

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa. My license renewal date is December 31, 2023.

Alexander M. Matheson Date

Pages or sheets covered by this seal:
Specification Div. - 22,23,26,27,28
Drawings - See Sheet Index

NOTE:
VERIFY BUILDING DIMENSIONS FOR ROUGH-IN
WORK WITH ARCHITECT'S DRAWINGS.



1 FIRST FLOOR PLUMBING DEMO PLAN
1/8" = 1'-0"

DEMOLITION GENERAL NOTES:

- DEMOLITION DRAWINGS ARE BASED ON EXISTING AVAILABLE DRAWINGS AND CASUAL FIELD OBSERVATION. MECHANICAL AND ELECTRICAL CONTRACTORS SHALL FIELD VERIFY THE SITE AND INCLUDE ALL REQUIRED DEMOLITION IN THE BID.
- ALL REQUIRED DEMOLITION IS NOT INDICATED. IT IS THE INTENT OF THESE DOCUMENTS THAT ALL MECHANICAL AND ELECTRICAL SYSTEMS (NOT TO BE REUSED OR EXTENDED) BE REMOVED. COORDINATE WITH ARCHITECTURAL DRAWINGS.
- REFER TO SPECIFICATIONS AND OTHER SHEETS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- REMOVE ALL ELECTRICAL CONNECTIONS, WIRING, AND CONDUIT SERVING ALL PLUMBING EQUIPMENT TO BE REMOVED.
- MAINTAIN FIRE RATINGS OF AFFECTED WALLS AND FLOORS.
- EXISTING PLUMBING SYSTEMS LOCATED IN WALLS AND CHASES NOT BEING REMOVED OR REUSED FOR NEW SYSTEMS MAY BE ABANDONED IN PLACE. CAP AT MAINS OR IN A CONCEALED LOCATION IF REQUIRED.
- REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS ON FLOOR CUTTING AND CEILING REMOVAL. CONTRACTOR SHALL COORDINATE WORK TO BE CONSISTENT WITH SCOPE OF GENERAL CONTRACTOR'S DEMOLITION.
- ALL EXTERIOR FREE-STANDING PLUMBING DEVICES SHALL BE REMOVED UNDER BASE BID UNLESS OTHERWISE NOTED. PATCH OPENING TO MATCH SURROUNDING SURFACES.

DEMOLITION REFERENCED NOTES:

- REMOVE EXISTING UNIT VENTILATOR AND ALL ASSOCIATED HEATING WATER AND CONDENSATE PIPING AS INDICATED. REMOVE EXISTING CONTROLS, COMPONENTS, AND ACCESSORIES.
- UNDER BASE BID: NO WORK. UNDER ALTERNATE #1: REMOVE EXISTING WATER HEATERS. DISCONNECT EXISTING DOMESTIC WATER AND NATURAL GAS PIPING AND PREPARE FOR NEW CONNECTION.
- REMOVE AIR-COOLED CONDENSING UNIT ON ROOF AND ASSOCIATED REFRIGERANT PIPING TO THE REMOVED UNIT VENTILATOR.

NOTE:
VERIFY BUILDING DIMENSIONS FOR ROUGH-IN
WORK WITH ARCHITECT'S DRAWINGS.



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PD100

April 10, 2023

ITEM	WASTE SIZE	VENT SIZE	WATER SIZE	
			HOT	COLD
WATER CLOSET (FLUSH VALVE)	4"	2"	-	1-1/2"
WATER CLOSET (TANK)	4"	2"	-	3/4"
URINAL	2"	1-1/2"	-	1"
LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"
SINK	1-1/2"	1-1/2"	1/2"	1/2"
JANITOR SINK	3"	1-1/2"	3/4"	3/4"
CLINICAL SINK	4"	2"	-	1-1/2"
DRINKING FOUNTAIN	1-1/2"	1-1/2"	-	1/2"
BATHTUB	3"	1-1/2"	3/4"	3/4"
SHOWER	3"	1-1/2"	3/4"	3/4"
VALVE BOX	-	-	1/2"	1/2"
DRAIN BOX	2"	1-1/2"	-	-
FLOOR DRAIN / FLOOR SINK	3"	1-1/2"	-	-
TYPICAL WASTE STACK	4"	-	-	-
TYPICAL VENT STACK	-	3"	-	-

- NOTES:**
1. ALL SANITARY SEWER BELOW GRADE SHALL BE A MINIMUM OF 3" UNLESS OTHERWISE NOTED.
 2. ALL VENT BELOW GRADE SHALL BE A MINIMUM OF 2" UNLESS OTHERWISE NOTED.
 3. NOT ALL FIXTURES ON THIS SCHEDULE MAY BE USED.

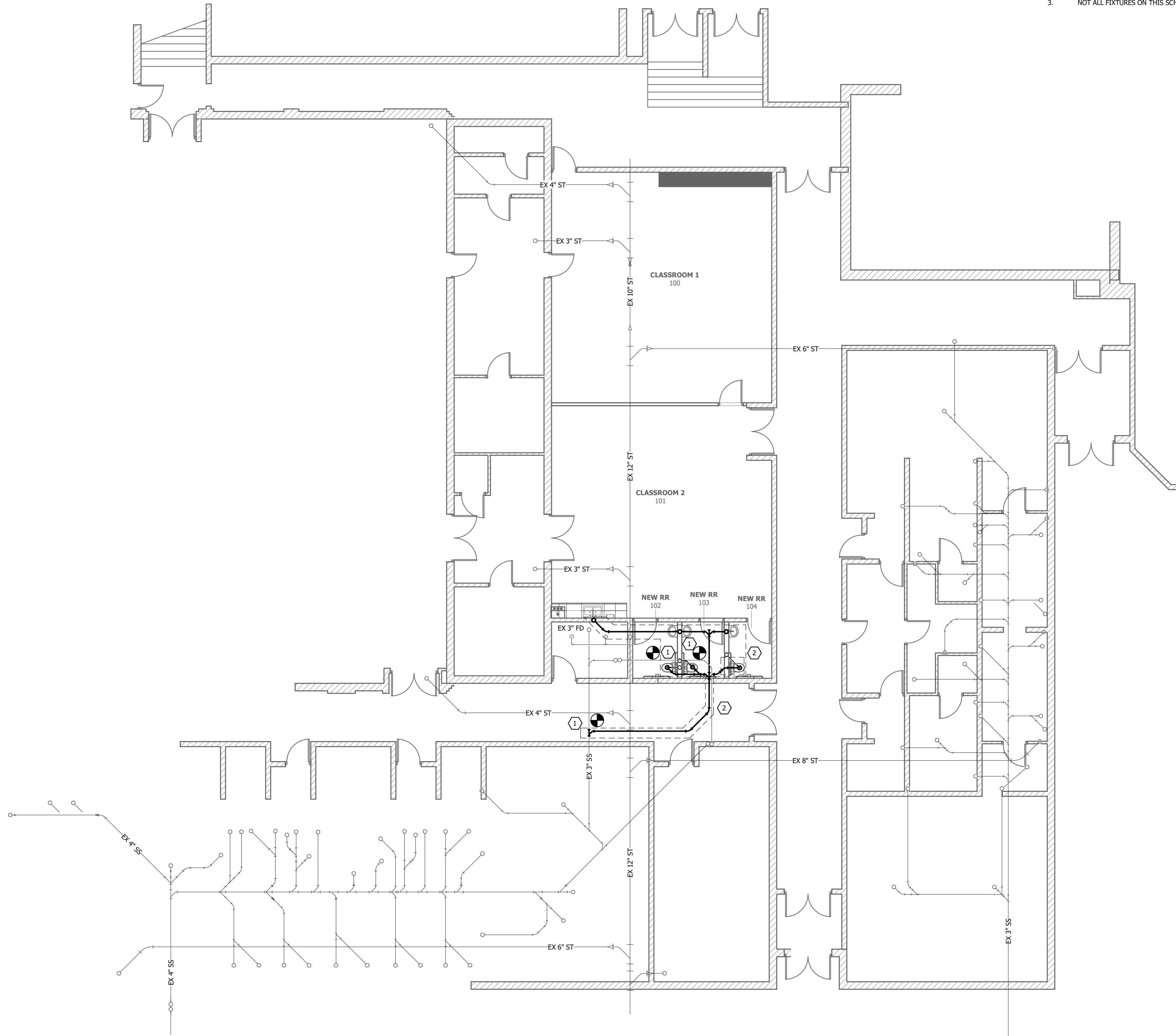
GENERAL NOTES:

- INSTALLATION PLANS ARE SCHEMATIC IN NATURE. CONTRACTOR TO VERIFY PLACEMENT OF NEW EQUIPMENT/FIXTURES PRIOR TO INSTALLATION.
- MAINTAIN SERVICE CLEARANCE AROUND ALL MECHANICAL EQUIPMENT AND ABOVE ELECTRICAL EQUIPMENT. DO NOT ROUTE PIPING IN CLEARANCE SPACE.
- COORDINATE PIPING LAYOUT AND ELEVATIONS WITH FOOTINGS, FLOW LINES, LOCAL PLUMBING CODE AND THE SPECIFICATIONS.
- VERIFY ALL SITE CONDITIONS PRIOR TO START OF WORK.
- COORDINATE ALL PLUMBING AND PIPING ROUTING WITH BUILDING STRUCTURE AND OTHER TRADES PRIOR TO INSTALLATION TO ALLOW FOR PROPER CLEARANCES AND FLOW REQUIREMENTS.
- ALL CONDENSATE DRAIN PIPING SHALL BE 3/4" COPPER WITH INSULATION UNLESS NOTED OTHERWISE.
- COORDINATE ALL VENTS THROUGH ROOF WITH STRUCTURAL DRAWINGS AND MAINTAIN 10FT REQUIRED DISTANCE FROM MECHANICAL EQUIPMENT INTAKES. OFFSET PIPING AS NECESSARY.
- COORDINATE ALL EXPOSED PIPE ROUTING WITH DESIGN TEAM PRIOR TO ROUGH-IN. SPECIFIC RACKING REQUIREMENTS MAY BE REQUIRED.
- COORDINATE ALL FLOOR DRAIN LOCATIONS WITH MECHANICAL EQUIPMENT AND RESPECTIVE TRADES PRIOR TO ROUGH-IN.
- SEE PLUMBING FIXTURE CONNECTION SCHEDULE FOR FIXTURE CONNECTION SIZES.
- MECHANICAL CONTRACTOR SHALL REFER TO ELEVATOR INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.
- FIELD VERIFY ALL NEW AND EXISTING PIPE ROUTING WITH EXISTING CONDITIONS PRIOR TO ROUGH-IN. MAKE NECESSARY OFFSETS AS REQUIRED.
- COORDINATE ALL WALL CLEANOUT LOCATIONS WITH DESIGN TEAM PRIOR TO ROUGH-IN. COORDINATE ALL FLOOR CLEANOUT LOCATIONS BEING INSTALLED IN TILE, TERRAZZO OR OTHER SPECIALTY FLOOR AREAS WITH DESIGN TEAM PRIOR TO ROUGH-IN.
- PROVIDE ISOLATION BALL VALVES ON BRANCH PIPING TAPS FROM MAIN ON ALL COLD AND HOT WATER PIPES. ENSURE VALVES ARE INSTALLED IN ACCESSIBLE LOCATIONS.

REFERENCED NOTES: #

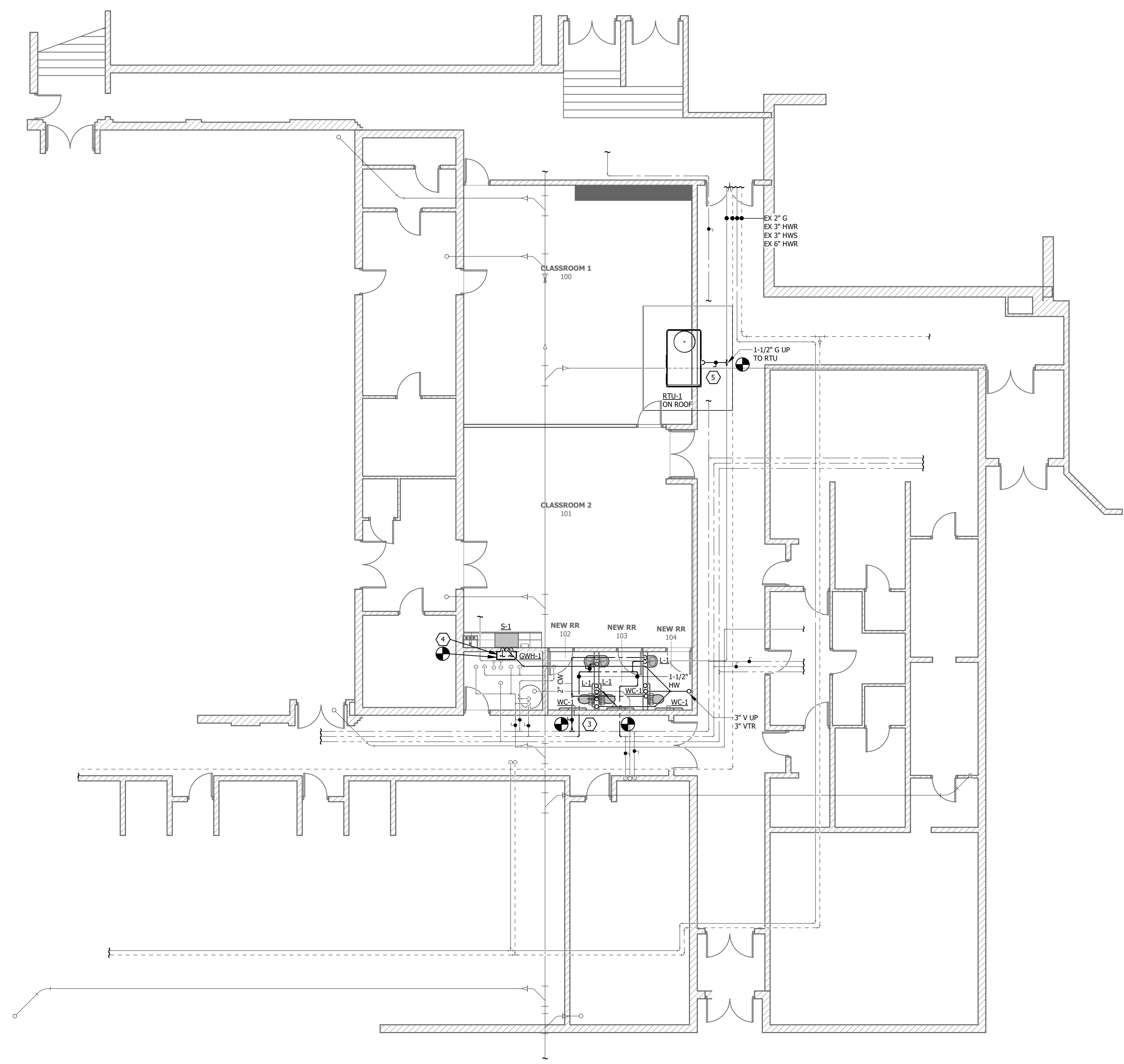
(NOT ALL NOTES MAY BE APPLICABLE TO THIS SHEET)

- CONNECT TO EXISTING SANITARY SEWER MAIN AS INDICATED. FIELD VERIFY EXACT LOCATION AND MODIFY/OFFSET PIPING AS REQUIRED.
- CUT AND PATCH FLOOR IN THIS AREA. COORDINATE WORK WITH THE GENERAL CONTRACTOR. FLOOR CUTTING AREA IS APPROXIMATED. EXTENTS OF FLOOR CUTTING SHALL BE COORDINATED WITH FIELD VERIFIED SEWER LOCATION.
- CONNECT TO EXISTING HW/CW MAINS AS INDICATED. FIELD VERIFY EXACT LOCATION AND MODIFY/OFFSET PIPING AS REQUIRED.
- CONNECT TO EXISTING HW/CW MAINS IN THE EXISTING MECHANICAL ROOM. FIELD VERIFY SHORTEST ROUTING.
- CONNECT TO EXISTING GAS PIPING AS INDICATED. FIELD VERIFY EXACT LOCATION AND MODIFY/OFFSET PIPING AS REQUIRED.



1 UNDERFLOOR PLUMBING PLAN
1/8" = 1'-0"

NOTE:
VERIFY BUILDING DIMENSIONS FOR ROUGH-IN
WORK WITH ARCHITECT'S DRAWINGS.



- GENERAL NOTES:**
- INSTALLATION PLANS ARE SCHEMATIC IN NATURE. CONTRACTOR TO VERIFY PLACEMENT OF NEW EQUIPMENT/FIXTURES PRIOR TO INSTALLATION.
 - MAINTAIN SERVICE CLEARANCE AROUND ALL MECHANICAL EQUIPMENT AND ABOVE ELECTRICAL EQUIPMENT. DO NOT ROUTE PIPING IN CLEARANCE SPACE.
 - COORDINATE PIPING LAYOUT AND ELEVATIONS WITH FOOTINGS, FLOW LINES, LOCAL PLUMBING CODE AND THE SPECIFICATIONS.
 - VERIFY ALL SITE CONDITIONS PRIOR TO START OF WORK.
 - COORDINATE ALL PLUMBING AND PIPING ROUTING WITH BUILDING STRUCTURE AND OTHER TRADES PRIOR TO INSTALLATION TO ALLOW FOR PROPER CLEARANCES AND FLOW REQUIREMENTS.
 - ALL CONDENSATE DRAIN PIPING SHALL BE 3/4" COPPER WITH INSULATION UNLESS NOTED OTHERWISE.
 - COORDINATE ALL VENTS THROUGH ROOF WITH STRUCTURAL DRAWINGS AND MAINTAIN 10FT REQUIRED DISTANCE FROM MECHANICAL EQUIPMENT INTAKES. OFFSET PIPING AS NECESSARY.
 - COORDINATE ALL EXPOSED PIPE ROUTING WITH DESIGN TEAM PRIOR TO ROUGH-IN. SPECIFIC RACKING REQUIREMENTS MAY BE REQUIRED.
 - COORDINATE ALL FLOOR DRAIN LOCATIONS WITH MECHANICAL EQUIPMENT AND RESPECTIVE TRADES PRIOR TO ROUGH-IN.
 - SEE PLUMBING FIXTURE CONNECTION SCHEDULE FOR FIXTURE CONNECTION SIZES.
 - MECHANICAL CONTRACTOR SHALL REFER TO ELEVATOR INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.
 - FIELD VERIFY ALL NEW AND EXISTING PIPE ROUTING WITH EXISTING CONDITIONS PRIOR TO ROUGH-IN. MAKE NECESSARY OFFSETS AS REQUIRED.
 - COORDINATE ALL WALL CLEANOUT LOCATIONS WITH DESIGN TEAM PRIOR TO ROUGH-IN. COORDINATE ALL FLOOR CLEANOUT LOCATIONS BEING INSTALLED IN TILE, TERRAZZO OR OTHER SPECIALTY FLOOR AREAS WITH DESIGN TEAM PRIOR TO ROUGH-IN.
 - PROVIDE ISOLATION BALL VALVES ON BRANCH PIPING TAPS FROM MAIN ON ALL COLD AND HOT WATER PIPES. ENSURE VALVES ARE INSTALLED IN ACCESSIBLE LOCATIONS.

- REFERENCED NOTES:** #
- CONNECT TO EXISTING SANITARY SEWER MAIN AS INDICATED. FIELD VERIFY EXACT LOCATION AND MODIFY/OFFSET PIPING AS REQUIRED.
 - CUT AND PATCH FLOOR IN THIS AREA. COORDINATE WORK WITH THE GENERAL CONTRACTOR. FLOOR CUTTING AREA IS APPROXIMATED. EXTENTS OF FLOOR CUTTING SHALL BE COORDINATED WITH FIELD VERIFIED SEWER LOCATION.
 - CONNECT TO EXISTING HW/CW MAINS AS INDICATED. FIELD VERIFY EXACT LOCATION AND MODIFY/OFFSET PIPING AS REQUIRED.
 - CONNECT TO EXISTING HW/CW MAINS IN THE EXISTING MECHANICAL ROOM. FIELD VERIFY SHORTEST ROUTING.
 - CONNECT TO EXISTING GAS PIPING AS INDICATED. FIELD VERIFY EXACT LOCATION AND MODIFY/OFFSET PIPING AS REQUIRED.

ITEM	WASTE SIZE	VENT SIZE	WATER SIZE	
			HOT	COLD
WATER CLOSET (FLUSH VALVE)	4"	2"	-	1-1/2"
WATER CLOSET (TANK)	4"	2"	-	3/4"
URINAL	2"	1-1/2"	-	1"
LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"
SINK	1-1/2"	1-1/2"	1/2"	1/2"
JANITOR SINK	3"	1-1/2"	3/4"	3/4"
CLINICAL SINK	4"	2"	-	1-1/2"
DRINKING FOUNTAIN	1-1/2"	1-1/2"	-	1/2"
BATHTUB	3"	1-1/2"	3/4"	3/4"
SHOWER	3"	1-1/2"	3/4"	3/4"
VALVE BOX	-	-	1/2"	1/2"
DRAIN BOX	2"	1-1/2"	-	-
FLOOR DRAIN / FLOOR SINK	3"	1-1/2"	-	-
TYPICAL WASTE STACK	4"	-	-	-
TYPICAL VENT STACK	-	3"	-	-

- NOTES:**
- ALL SANITARY SEWER BELOW GRADE SHALL BE A MINIMUM OF 3" UNLESS OTHERWISE NOTED.
 - ALL VENT BELOW GRADE SHALL BE A MINIMUM OF 2" UNLESS OTHERWISE NOTED.
 - NOT ALL FIXTURES ON THIS SCHEDULE MAY BE USED.

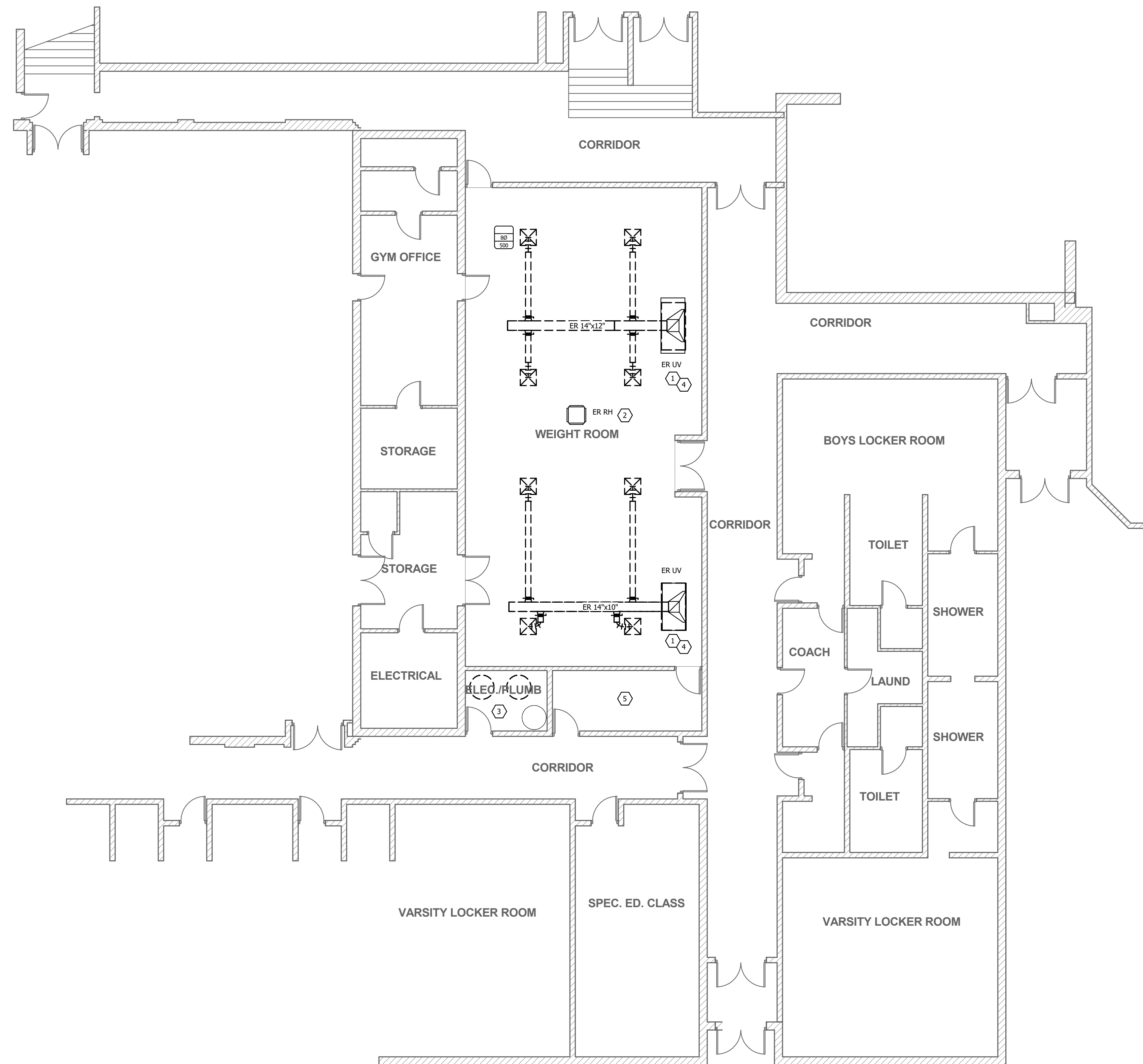
TANKLESS WATER HEATER SCHEDULE (ALTERNATE #1)								
UNIT TAG	MANUFACTURER	MODEL	FUEL TYPE	INPUT (MBH)	TOTAL FLOW AT 70°F RESE (GPM)	THERMAL EFFICIENCY	INTAKE/VENT SIZE (IN)	ELECTRICAL
GW-H-1	A.O. SMITH	ACT 1991-N	NG	199	5.9	95%	4/4	120W/1P

- NOTES:**
- PROVIDE WITH CONCENTRIC VENT KIT FOR TERMINATION PER MANUFACTURER'S RECOMMENDATIONS.

UNIT	TYPE	MANUFACTURER	MODEL	MATERIAL	COLOR	ADA	FIXTURE DESCRIPTION	MISCELLANEOUS	TRIM	APPROVED EQUALS
L-1	LAVATORY	KOHLER	BRENHAM K-1997-1-0	VITREOUS CHINA	WHITE	SEE ARCH.	14-3/8" X 12-5/16" X 3-1/4" OVAL BOWL, WALL MOUNT, SINGLE FAUCET HOLE, REAR OVERFLOW	WATTS WCA-411 FLOOR MOUNTED LAVATORY CARRIER. VERIFY MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS.	LF-1	AMERICAN STANDARD, SLOAN
S-1	SINK	ELKAY	LR-3321	STAINLESS STEEL	STEEL	SEE ARCH.	13-1/2" X 16" X 7-3/4" DEEP DOUBLE BOWL, 304SS, 18 GA, SELF RIM, UNDERCOATED, 3-HOLE	COORDINATE WITH CASEWORK DIMENSIONS. SEE ARCHITECTURAL DRAWINGS.	SF-1	JUST, ENGINEER APPROVED EQUAL
WC-1	WATER CLOSET	KOHLER	WELLCOMME K-96053-0	VITREOUS CHINA	WHITE	NO	1.6 GPF, FLOOR MOUNTED, SIPHON JET ACTION, 1-1/2" TOP SPUD	CONTROLS FOR FLUSH VALVES MOUNT ON THE WIDE SIDE OF THE TOILET	WCA-1, WCFV-1	AMERICAN STANDARD, SLOAN

UNIT	TYPE	MANUFACTURER	MODEL	COLOR	FIXTURE DESCRIPTION	MISCELLANEOUS	APPROVED EQUALS
LF-1	LAVATORY FAUCET	DELTA	523LF-HGMHDF	CHROME	MANUAL, 0.5 GPM LAMINAR FLOW VANDAL-RESISTANT AERATOR, METAL GRID STRAINER, SINGLE LEVER	METAL GRID STRAINER WITH 1-1/2" 17 GA CHROME PLATED P-TRAP. OFFSET TAILPIECE AS REQUIRED, TRU-BRO LAV GUARD, 1/4 TURN LOOSE KEY STOPS	ENGINEER APPROVED EQUAL
SF-1	SINK FAUCET	DELTA	100LF-HDF	CHROME	8-11/16" SWING SPOUT, 1.5 GPM, AERATOR, SINGLE LEVER HANDLE, MOUNTS ON 8" CENTERS	DEARBORN BRASS 16 GRID STRAINER, 17 GA 1-1/2" CHROME PLATED P-TRAP W/ CLEANOUT, 1/4 TURN LOOSE KEY STOPS	ENGINEER APPROVED EQUAL
WCA-1	SEAT	CHURCH	295SSCT	WHITE	ELONGATED OPEN FRONT, SOLID WHITE PLASTIC, EXTENDED BACK, SELF-SUSTAINING CHECK HINGE, STAINLESS STEEL BOLTS	-	BEMIS, ENGINEER APPROVED EQUAL
WCFV-1	WATER CLOSET FLUSH VALVE	SLOAN	ROYAL 111-1.6	CHROME	1.6 GPF, MANUAL FLUSH VALVE, DIAPHRAGM TYPE WITH OSCILLATING HANDLE, ESCUTCHEON, SEAT BUMPER, ANGLE STOP WITH VANDAL RESISTANT CAP AND VACUUM BREAKER	-	NO APPROVED EQUAL

NOTE:
VERIFY BUILDING DIMENSIONS FOR ROUGH-IN WORK WITH ARCHITECT'S DRAWINGS.



1 FIRST FLOOR HVAC DEMO PLAN
1/8" = 1'-0"

DEMOLITION GENERAL NOTES:

- A. DEMOLITION DRAWINGS ARE BASED ON EXISTING AVAILABLE DRAWINGS AND CASUAL FIELD OBSERVATION. MECHANICAL AND ELECTRICAL CONTRACTORS SHALL FIELD VERIFY THE SITE AND INCLUDE ALL REQUIRED DEMOLITION IN THE BID.
- B. ALL REQUIRED DEMOLITION IS NOT INDICATED. IT IS THE INTENT OF THESE DOCUMENTS THAT ALL MECHANICAL AND ELECTRICAL SYSTEMS (NOT TO BE REUSED OR EXTENDED) BE REMOVED. COORDINATE WITH ARCHITECTURAL DRAWINGS.
- C. REFER TO SPECIFICATIONS AND OTHER SHEETS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- D. REMOVE ALL ELECTRICAL CONNECTIONS, WIRING, AND CONDUIT SERVING ALL MECHANICAL EQUIPMENT TO BE REMOVED.
- E. MAINTAIN FIRE RATINGS OF AFFECTED WALLS AND FLOORS.
- F. EXISTING MECHANICAL AND ELECTRICAL SYSTEMS LOCATED IN WALLS AND CHASES NOT BEING REMOVED OR REUSED FOR NEW SYSTEMS MAY BE ABANDONED IN PLACE. CAP AT MAINS OR IN A CONCEALED LOCATION IF REQUIRED.
- G. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS ON FLOOR CUTTING AND CEILING REMOVAL. CONTRACTOR SHALL COORDINATE WORK TO BE CONSISTENT WITH SCOPE OF GENERAL CONTRACTOR'S DEMOLITION.
- H. ALL EXTERIOR FREE-STANDING ELECTRICAL AND MECHANICAL DEVICES SHALL BE REMOVED UNDER BASE BID UNLESS OTHERWISE NOTED. PATCH OPENING TO MATCH SURROUNDING SURFACES.
- I. ELECTRICAL DEVICES INDICATED TO REMAIN (EY) SHALL BE REPLACED WITH A NEW DEVICE. EXISTING CONDUIT AND BACKBOX MAY BE REUSED WHERE IN GOOD CONDITION AND MEETS CURRENT CODES. PULL NEW WIRE AND REGROUP RECEPTACLES AS INDICATED.
- J. EXTEND WIRING FOR NEW FIRE NOTIFICATION AND DETECTION DEVICES TO EXISTING FIRE ALARM PANEL LOCATED --. SEE SPECIFICATIONS FOR MORE INFORMATION.
- K. LOW VOLTAGE CABLING RELOCATIONS SHALL UTILIZE THE FOLLOWING METHODS:
 - TELECOM CABLES SHALL BE UNPLUGGED FROM FOT ROOM AND RECONNECTED TO SAME PORT FOLLOWING REROUTE. PROVIDE NEW CABLING IF LENGTH IS INSUFFICIENT.
 - INTERCOM WIRING SHALL BE SPLICED AND EXTENDED. ALL SHIELDS AND/OR DRAIN CONDUCTORS SHALL BE CONTINUOUS.
 - AFFECTED FIRE ALARM CABLING SHALL BE REUSED AS LENGTH ALLOWS. FIRE ALARM CABLING SHALL BE REPLACED IF LENGTH IS INSUFFICIENT. DO NOT SPLICE FIRE ALARM CABLING OUTSIDE OF APPROVED JUNCTION BOXES. ALL SHIELD CONDUCTORS SHALL BE CONTINUOUS.

DEMOLITION REFERENCED NOTES:

- 1. REMOVE EXISTING UNIT VENTILATOR AND ASSOCIATED DUCTWORK AS INDICATED. COORDINATE CEILING WORK BELOW UNIT VENTILATOR WITH GENERAL CONTRACTOR.
- 2. REMOVE EXISTING RELIEF HOOD LOCATED ON THE ROOF, ASSOCIATED DUCTWORK, AND ACCESSORIES. PROVIDE INSULATED CURB CAP AND SEAL WATER TIGHT.
- 3. UNDER BASE BID: NO WORK.
UNDER ALTERNATE #1: REMOVE EXISTING GAS WATER HEATER FLUES AND PATCH EXISTING ROOF PENETRATION. COORDINATE ROOF PATCHING WITH THE GENERAL CONTRACTOR.
- 4. EXISTING UNIT VENTILATOR, AIR-COOLED CONDENSING UNITS, CONTROLS, AND PIPING SHALL REMAIN TEMPORARILY DURING OCCUPANCY UNTIL NEW RTU IS DELIVERED. CONNECT EXISTING UNIT VENTILATORS TO NEW SUPPLY MAINS WITH TEMPORARY DUCT CONNECTIONS. REFER TO NEW PLANS FOR SUPPLY MAIN LOCATIONS.
- 5. REMOVE ALL EXISTING HVAC SERVING THIS ROOM.

NOTE:
VERIFY BUILDING DIMENSIONS FOR ROUGH-IN
WORK WITH ARCHITECT'S DRAWINGS.



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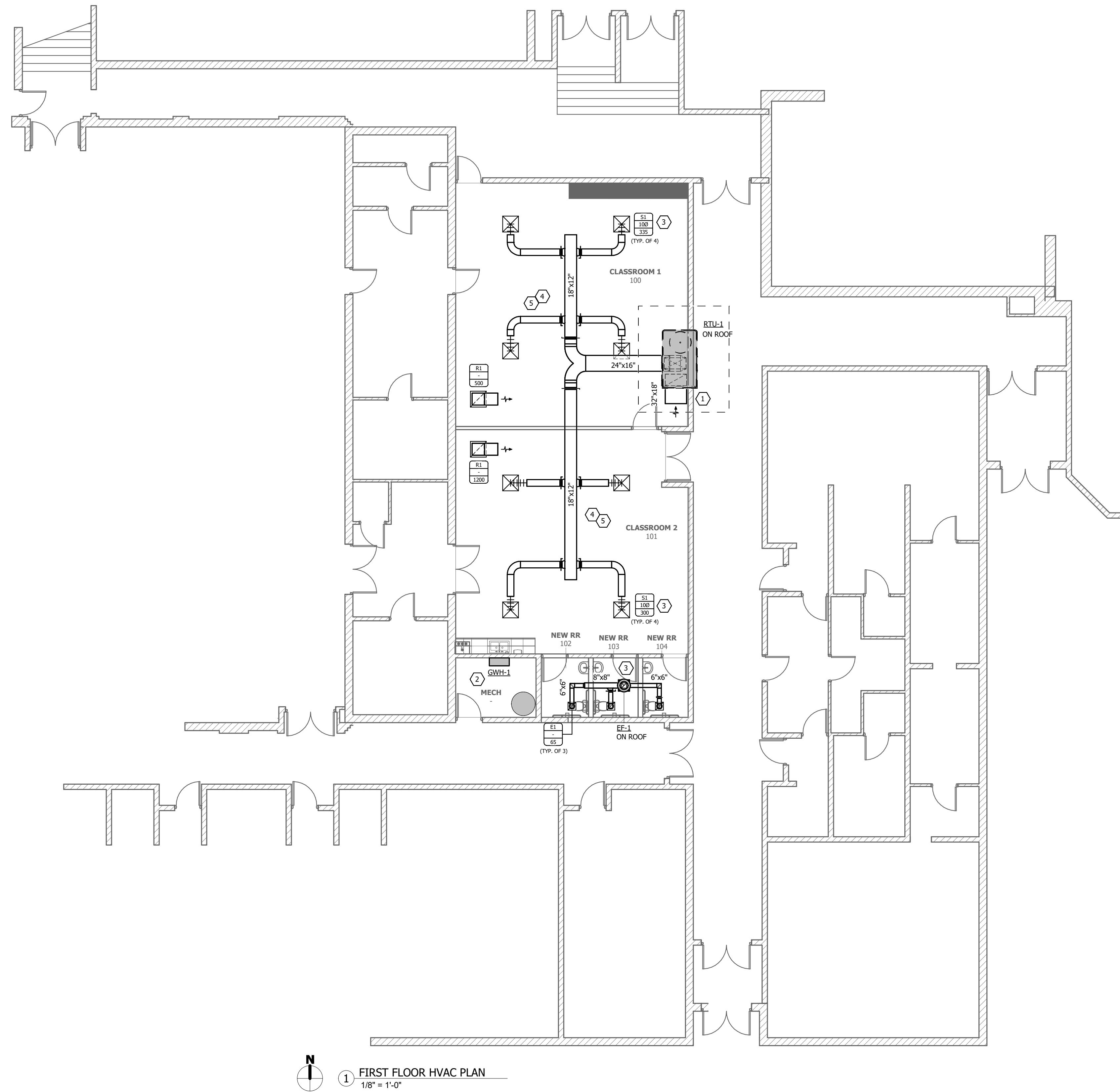


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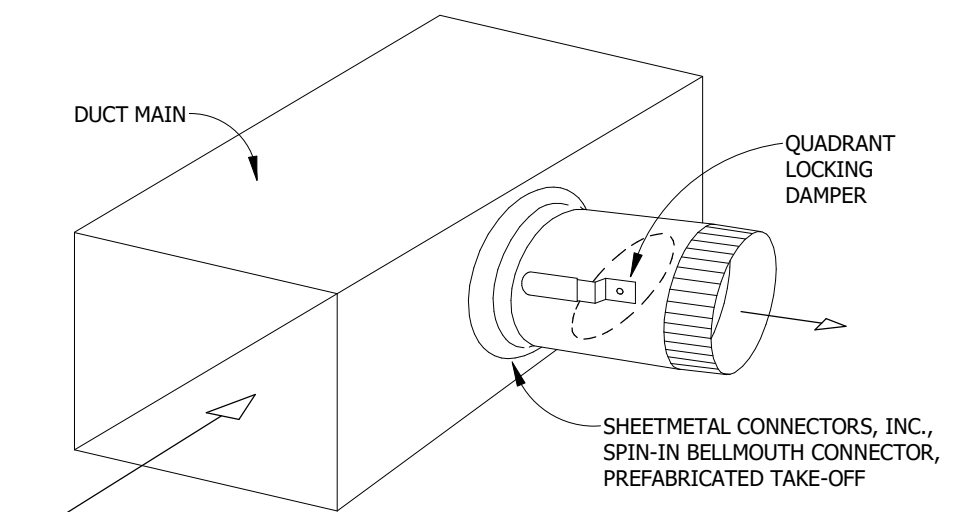
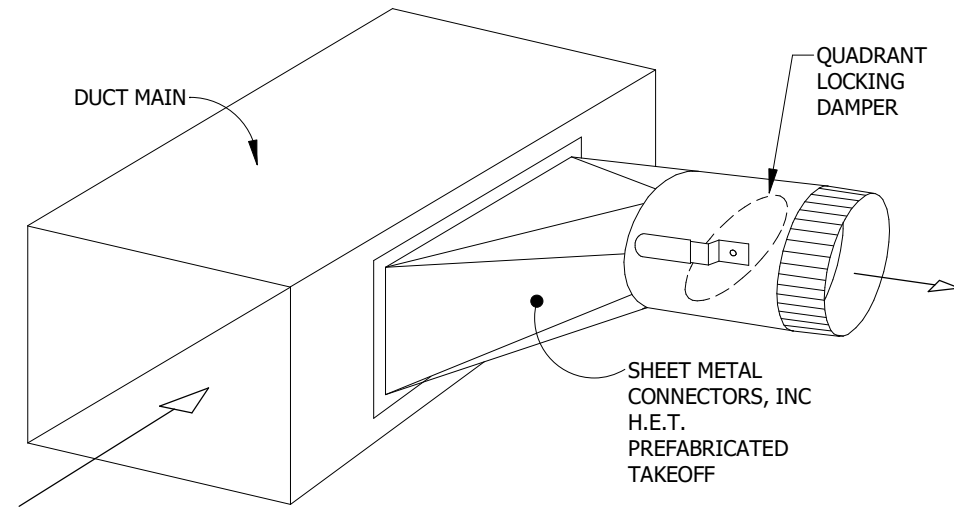
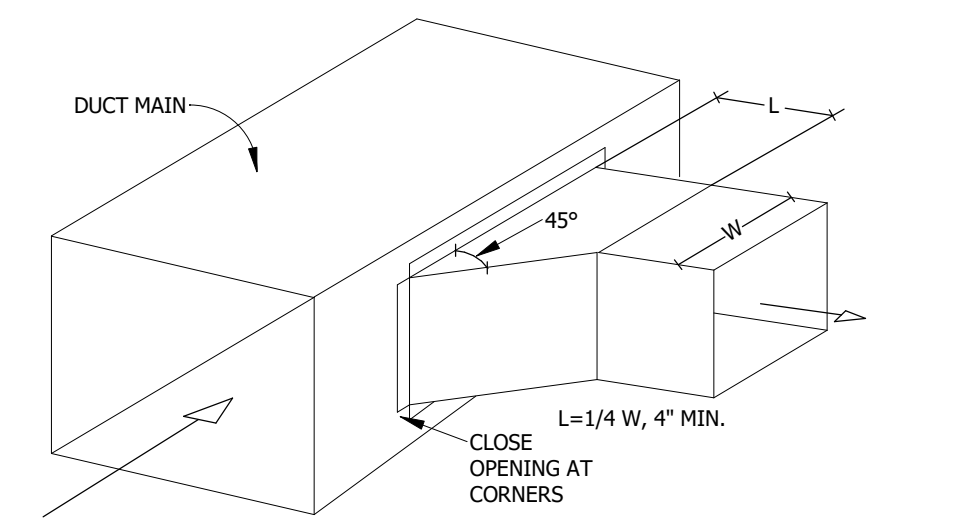
GENERAL NOTES:

- A. LAYOUT AND ROUTING SHOWN IS DIAGRAMMATIC AND SCHEMATIC IN NATURE. NOT ALL OFFSETS MAY BE SHOWN. CONTRACTOR SHALL VERIFY EXACT ROUTING REQUIRED AND NUMBER OF OFFSETS AND TRANSITIONS.
- B. MAINTAIN SERVICE CLEARANCE IN FRONT OF AND ABOVE ELECTRICAL EQUIPMENT AND ACCESS. DO NOT INSTALL EQUIPMENT OR ROUTE DUCTS IN CLEARANCE SPACE. REFER TO EQUIPMENT INSTALLATION AND INSTRUCTIONS.
- C. COORDINATE THERMOSTAT LOCATIONS WITH CASEWORK, WALL TYPES, AND FURNISHINGS PRIOR TO ROUGH-IN.
- D. PROVIDE VOLUME CONTROL BALANCING DAMPERS ON ALL SUPPLY, RETURN, EXHAUST AIR TAPS IN ACCESSIBLE LOCATIONS FOR AIR BALANCING. INSTALL CABLE OPERATED DAMPER OR ACCESS PANEL IF DAMPER IS LOCATED ABOVE GYP CEILINGS.
- E. COORDINATE DUCT ROUTING WITH STRUCTURAL AND ALL TRADES.
- F. COORDINATE ALL EXPOSED DUCTWORK ROUTING WITH DESIGN TEAM PRIOR TO ROUGH-IN.
- G. COORDINATE SUPPLY, RETURN, AND EXHAUST GRILLE/DIFFUSER LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLAN AND ALL TRADES.
- H. MECHANICAL CONTRACTOR SHALL REFER TO ELEVATOR INSTALLATION DETAIL.
- I. COORDINATE DUCT ROUTING IN LOCATIONS WITH EXISTING CONDITIONS. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ROUGH-IN.

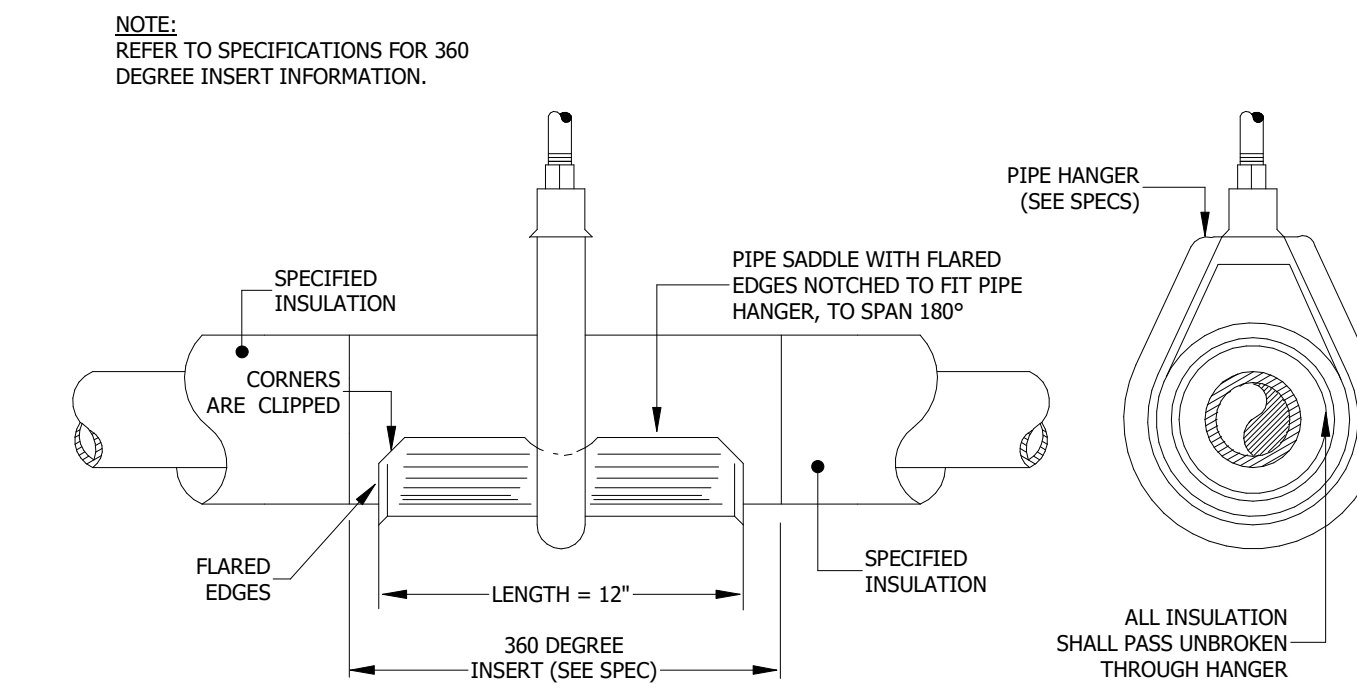
REFERENCED NOTES:

- 1. THE RETURN AIR DUCT DROPPING FROM THE UNIT SHALL HAVE 1" LINER FROM THE UNIT CONNECTION TO THE INLET OF THE OPEN RETURN AIR DUCT.
- 2. UNDER BASE BID: NO WORK.
UNDER ALTERNATE #1: PROVIDE 4" INTAKE AND VENT UP WITH CONCENTRIC VENT KIT. COORDINATE EXISTING PATHWAY WITH EXISTING INTAKE/VENT. TERMINATE PER THE MANUFACTURER'S RECOMMENDATIONS. MAINTAIN FLUE TERMINATION 10 FEET FROM ALL INTAKES.
- 3. INSTALL NEW DIFFUSERS IN EXISTING CEILING. COORDINATE GRID AND LIGHTING LOCATIONS WITH EXISTING CONDITIONS AND MODIFY LAYOUT AS REQUIRED.
- 4. COORDINATE ALL REQUIRED CEILING REMOVAL WITH THE GENERAL CONTRACTOR DURING BIDDING. CONTRACTOR SHALL KEEP AS MUCH EXISTING CEILING IN PLACE AS POSSIBLE.
- 5. EXISTING UNIT VENTILATOR, AIR-COOLED CONDENSING UNITS, CONTROLS, AND PIPING SHALL REMAIN TEMPORARILY DURING OCCUPANCY UNTIL NEW RTU IS DELIVERED. CONNECT EXISTING UNIT VENTILATORS TO NEW SUPPLY MAINS WITH TEMPORARY DUCT CONNECTIONS.
- 6. NEW EXHAUST FAN SHALL BE INSTALLED ON THE ROOF AND MAINTAIN 10 FEET FROM ALL UNIT INTAKES.

NOTE:
VERIFY BUILDING DIMENSIONS FOR ROUGH-IN
WORK WITH ARCHITECT'S DRAWINGS.

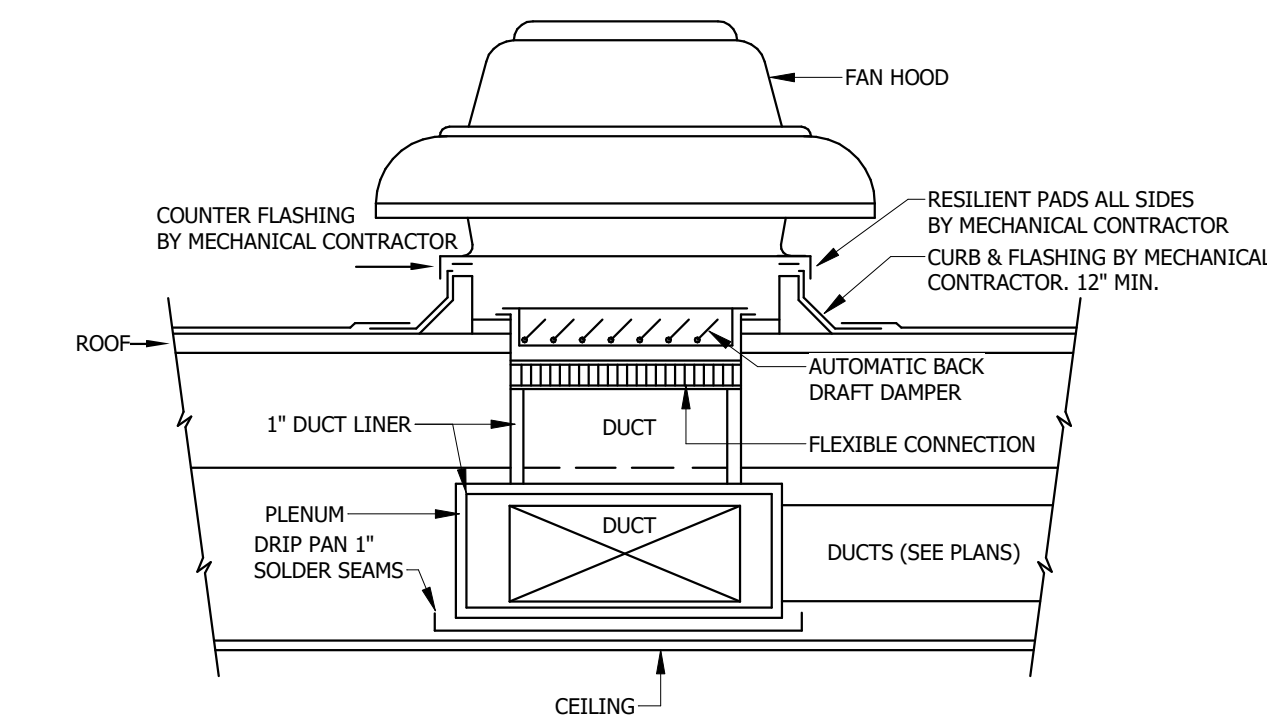


1 45 BRANCH CONNECTION DETAIL
No Scale



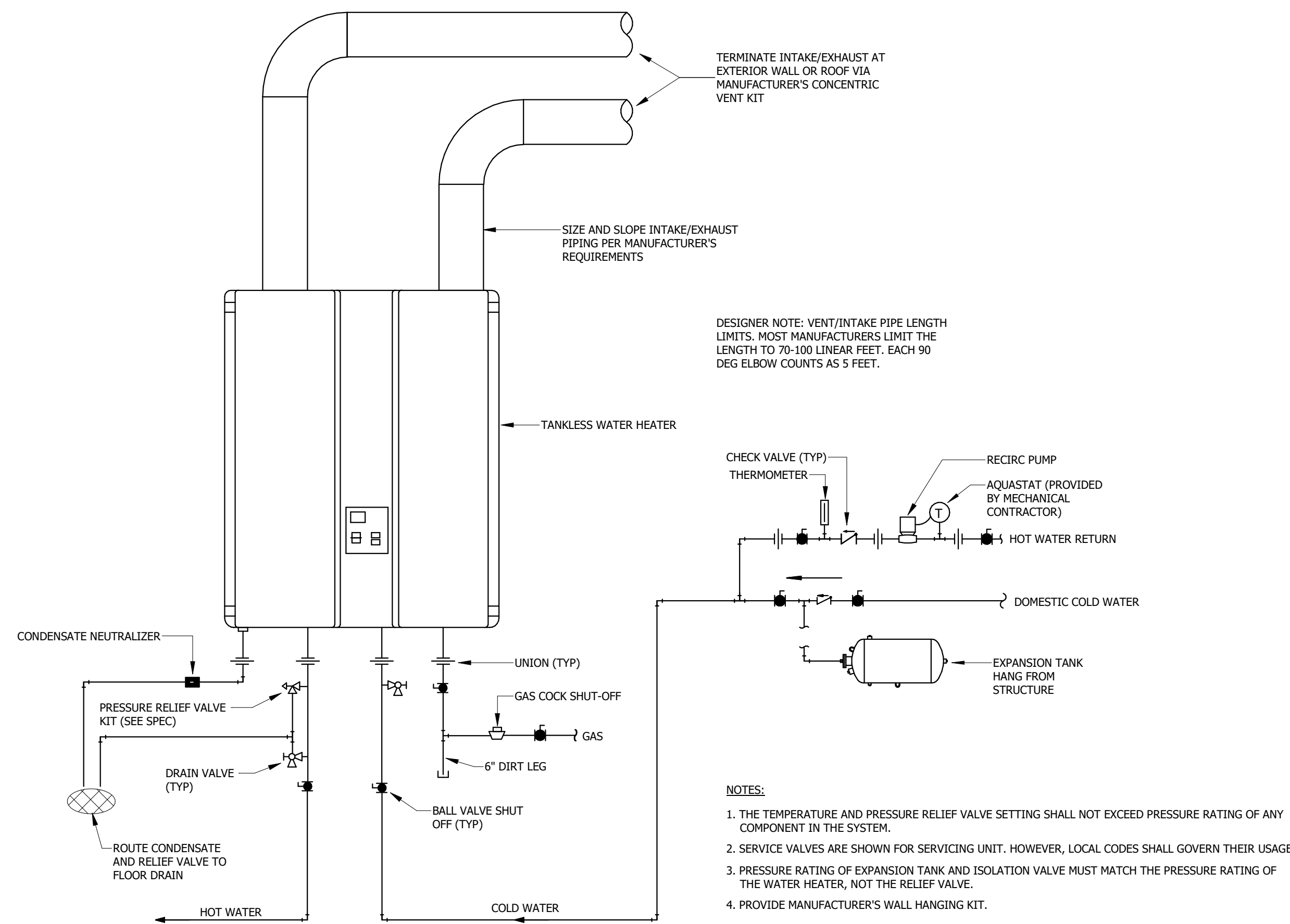
4 ROOFTOP UNIT CURB W/SPRING ISOLATIONS DETAIL
No Scale

2 INSULATED PIPE HANGER DETAIL
No Scale



5 TYPICAL FIRE DAMPER-CURTAIN & BLADE STYLE DETAIL
No Scale

3 ROOF MOUNTED EXHAUST FAN DETAIL
No Scale



6 TANKLESS WATER HEATER DETAIL (ALTERNATE #1)
No Scale

ROOFTOP UNIT SCHEDULE																													
UNIT TAG	MANUFACTURER	MODEL	WEIGHT (LBS)	SUPPLY FAN SECTION				DX COOLING COIL SECTION				NATURAL GAS HEATING SECTION				FILTER SECTION		ELECTRICAL SECTION											
				AIRFLOW (CFM)	DESIGN O.A. (CFM)	E.S.P. (IN.)	F.S.P. (IN.)	BHP	MOTOR HP	RPM	E.D.B./E.M.B.	L.D.B./L.W.B.	NET TOTAL CAPACITY (MBH)	NET SENSIBLE CAPACITY (MBH)	EE% @ AHRI	# OF COMPRESSORS	TYPE	HEATING AIRFLOW	INPUT (MBH)	OUTPUT (MBH)	STAGES	E.A.T.	L.A.T.	TYPE	MEDIA THICKNESS	EFFICIENCY	VOLTAGE/PHASE	MCA	MOCP
RTU-1	TRANE	YH090A350H	1324	2550	700	1.0	1.241	1.131	3.10	1.183	80.40/66.50	56.96/55.36	88.19	66.58	12.10	2	SCROLL	2550	200.0	162.0	STAGED	41.80	99.78	THROWAWAY	2.0	MERV 13	208/3	48	60

- NOTES:
 1. UNIT SHALL HAVE SINGLE POINT POWER CONNECTION.
 2. UNIT SHALL HAVE POWERED EXHAUST.
 3. UNIT RTU SHALL BE PROVIDED WITH 24\"/>

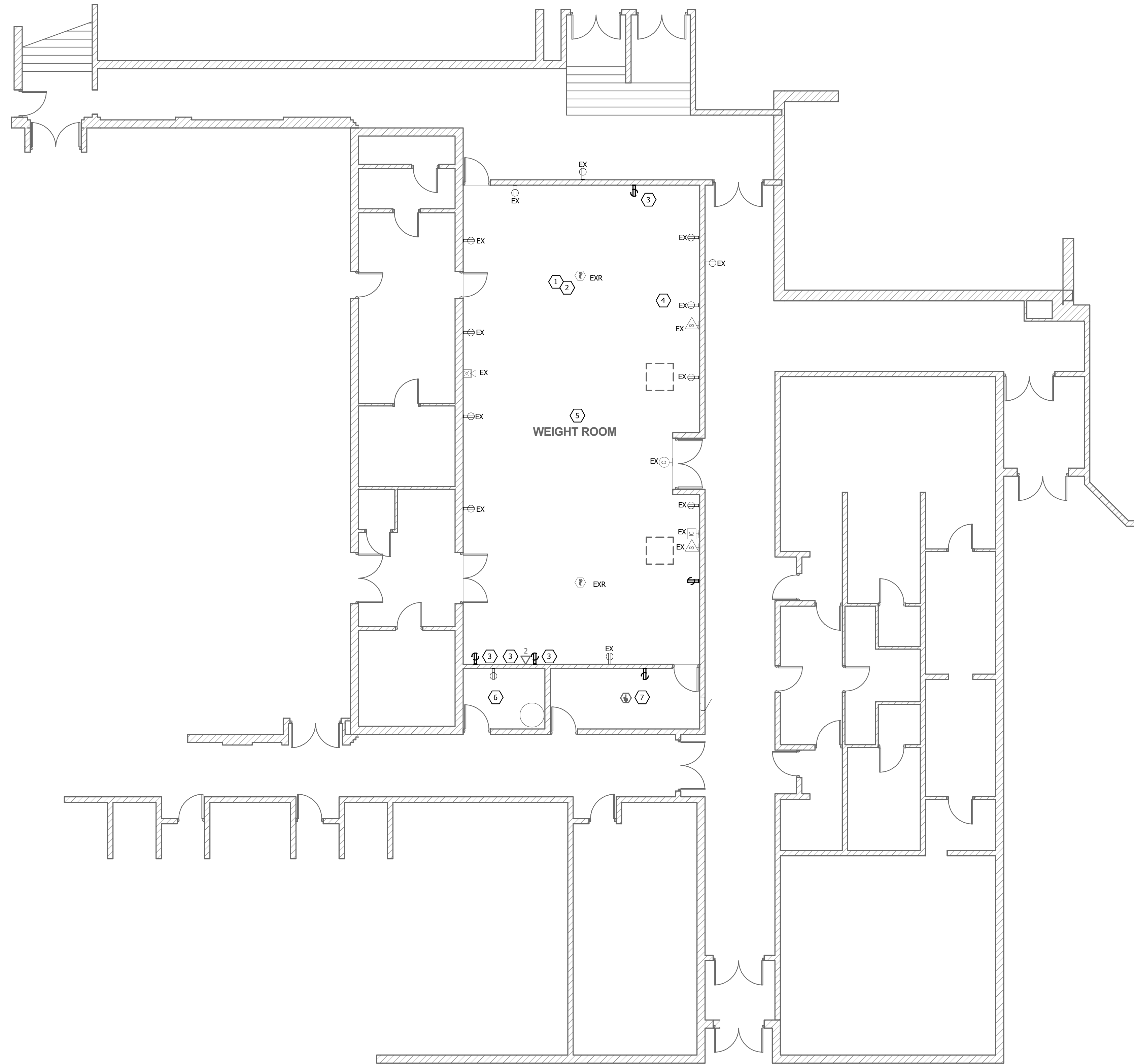
EXHAUST FAN SCHEDULE										
UNIT TAG	MANUFACTURER	MODEL	SERVES	AIRFLOW (CFM)	ESP (IN. WG)	MOTOR BHP	MOTOR HP	FAN SPEED (RPM)	DRIVE TYPE	SOUND LEVEL (SONES)
EF-1	GREENHECK	G-070-D	DAYCARE RESTROOM	200	0.34	.02	1/30	1550	DIRECT	4.4

- NOTES:
 1. PROVIDE 13-1/2\"/>

GRILLES, REGISTERS, AND DIFFUSERS SCHEDULE									
UNIT TAG	MANUFACTURER	MODEL	MATERIAL	SYSTEM TYPE	NECK SIZE	FACE SIZE	RANGE	MAX N.C.	NOTE
S1	TITUS	OMNI	STEEL	SUPPLY	SEE PLANS	24\"/>			

- NOTES:
 1. VERIFY BORDER TYPE WITH CEILING TYPE. SEE ARCHITECTURAL CEILING PLAN.
 2. PROVIDE 1/2\"/>

NOTE:
VERIFY BUILDING DIMENSIONS FOR ROUGH-IN WORK WITH ARCHITECT'S DRAWINGS.




1 FIRST FLOOR ELECTRICAL DEMO PLAN
 1/8" = 1'-0"

DEMOLITION GENERAL NOTES:

- A. DEMOLITION DRAWINGS ARE BASED ON EXISTING AVAILABLE DRAWINGS AND CASUAL FIELD OBSERVATION. ELECTRICAL CONTRACTORS SHALL FIELD VERIFY THE SITE AND INCLUDE ALL REQUIRED DEMOLITION IN THE BID.
- B. ALL REQUIRED DEMOLITION IS NOT INDICATED. IT IS THE INTENT OF THESE DOCUMENTS THAT ALL MECHANICAL AND ELECTRICAL SYSTEMS (NOT TO BE REUSED OR EXTENDED) BE REMOVED. COORDINATE WITH ARCHITECTURAL DRAWINGS.
- C. REFER TO SPECIFICATIONS AND OTHER SHEETS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- D. REMOVE ALL ELECTRICAL CONNECTIONS, WIRING, AND CONDUIT SERVING ALL MECHANICAL EQUIPMENT TO BE REMOVED.
- E. MAINTAIN FIRE RATINGS OF AFFECTED WALLS AND FLOORS.
- F. EXISTING ELECTRICAL SYSTEMS LOCATED IN WALLS AND CHASES NOT BEING REMOVED OR REUSED FOR NEW SYSTEMS MAY BE ABANDONED IN PLACE. CAP AT MAINS OR IN A CONCEALED LOCATION IF REQUIRED.
- G. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS ON FLOOR CUTTING AND CEILING REMOVAL. CONTRACTOR SHALL COORDINATE WORK TO BE CONSISTENT WITH SCOPE OF GENERAL CONTRACTOR'S DEMOLITION.
- H. EXTERIOR FREE-STANDING ELECTRICAL AND MECHANICAL DEVICES NOT BEING REUSED SHALL BE REMOVED UNDER BASE BID UNLESS OTHERWISE NOTED. PATCH OPENING TO MATCH SURROUNDING SURFACES.
- I. **[ELECTRICAL DEVICES INDICATED TO REMAIN (EX) SHALL BE REPLACED WITH A NEW DEVICE. EXISTING CONDUIT AND BACKBOX MAY BE REUSED WHERE IN GOOD CONDITION AND MEETS CURRENT CODES. PULL NEW WIRE AND REGROUP RECEPTACLES AS INDICATED.]**

DEMOLITION REFERENCED NOTES: (R)

- (NOT ALL NOTES MAY BE APPLICABLE TO THIS SHEET)
- 1. ALL EXISTING ELECTRICAL DEVICES IN THIS ROOM SHALL BE REPLACED WITH TAMPER-RESISTANT DEVICES. REFER TO NEW PLANS FOR ADDITIONAL INFORMATION.
 - 2. ALL EXISTING LIGHTING IN THIS ROOM SHALL REMAIN. REMOVE AND REINSTALL EXISTING LIGHT FIXTURES AS REQUIRED TO INSTALL NEW WALL AND DUCTWORK.
 - 3. REMOVE EXISTING DEVICE. BACKBOX TO REMAIN AND PROVIDE BLANK PLATE COVER.
 - 4. REMOVE EXISTING ELECTRICAL CONNECTIONS SERVING UNIT VENTILATOR AS SHOWN. REMOVE EXISTING ELECTRICAL CONNECTION FOR ACCU SERVING UNIT VENTILATOR ON THE ROOF. REMOVE ALL CONDUCTORS AND BREAKERS IN PANEL.
 - 5. REMOVE EXISTING ELECTRICAL CONNECTIONS SERVING MOTORIZED DAMPER IN EXISTING RELIEF VENT TO BE REMOVED.
 - 6. UNDER BASE BID: NO WORK
UNDER ALTERNATE #1: EXISTING WATER HEATERS ARE BEING REMOVED. PREPARE EXISTING ELECTRICAL FOR CONNECTION TO NEW WATER HEATER. REFER TO NEW PLANS FOR ADDITIONAL INFORMATION.
 - 7. REMOVE ALL POWER, LIGHTING, LOW VOLTAGE, AND FIRE ALARM DEVICES IN THIS ROOM.

NOTE:
 VERIFY BUILDING DIMENSIONS FOR ROUGH-IN
 WORK WITH ARCHITECT'S DRAWINGS.

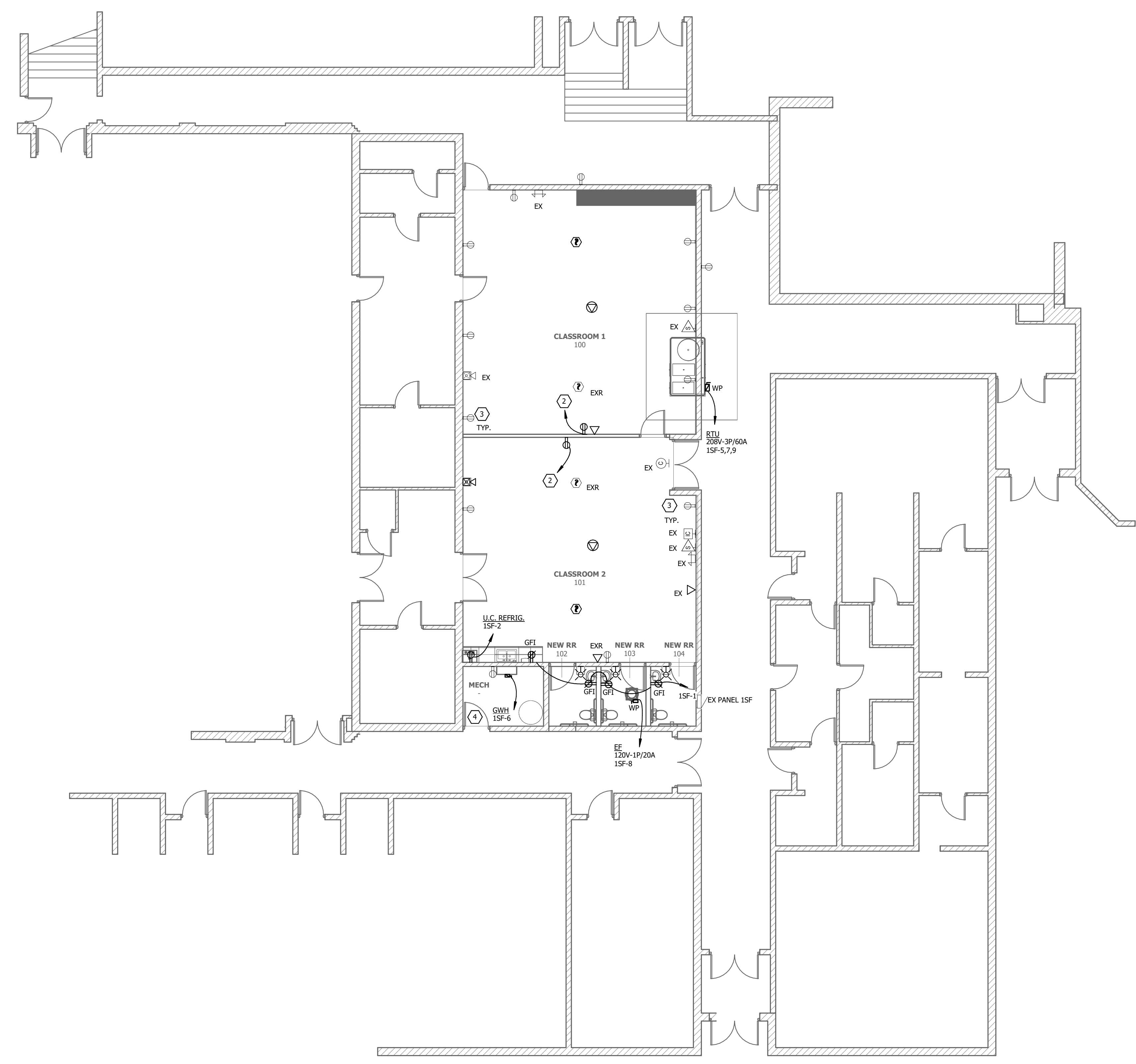
GENERAL NOTES:

- A. ALL DISCONNECTS ON MECHANICAL EQUIPMENT SHALL BE MOUNTED ON STRUCTURE TO ALLOW REMOVAL OF THE EQUIPMENT FOR MAINTENANCE WITH A MINIMUM OF WIRING WORK. VERIFY NEC CLEARANCE REQUIREMENTS ARE MET PRIOR TO ROUGH-IN.
- B. MAINTAIN SERVICE CLEARANCE AROUND ALL MECHANICAL & ELECTRICAL EQUIPMENT. DO NOT ROUTE PIPING OR CONDUIT IN CLEARANCE SPACE.
- C. SURFACE RACEWAY SHALL NOT BE USED IN ANY FINISHED AREAS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- D. ALL RECEPTACLE CIRCUITS SHALL HAVE DEDICATED NEUTRALS.
- E. INSTALL DEVICES SUCH THAT NO TWO DEVICES ON OPPOSITE SIDES OF SAME WALL ARE WITHIN 6" OF EACH OTHER.
- F. PROVIDE CONDUIT SLEEVES WITH INSULATED BUSHINGS SERVING ALL LOW VOLTAGE CABLING. DO NOT EXCEED 40% FILL.
- G. PRIOR TO ROUGH-IN, COORDINATE ALL WALL DEVICES WITH FINAL CASEWORK ELEVATIONS AND OTHER TRADES. CONFLICTS SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.
- H. ELECTRICAL CONTRACTOR SHALL PROVIDE TAMPER RESISTANT RECEPTACLES PER NEC 406.12 AND 517.18 (C).
- I. REFER TO ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS FOR SPECIFIC DEVICE ROUGH-IN AND PLACEMENT. ANY DEVIATIONS FROM THE ARCHITECTURAL ELEVATIONS AND RCP'S SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT PRIOR TO ROUGH-IN. IF A DEVICE IS REQUIRED PER SPECIFICATION, REQUIRED FOR OPERATION, OR IS DIFFERENT IN CONFIGURATION THAN SHOWN ON ELEVATIONS AND RCP'S, CLARIFICATION AND DIRECTION MUST BE GIVEN BY THE ARCHITECT BEFORE ROUGH-IN. DEVIATIONS OR ADDITIONAL DEVICES NOT APPROVED PRIOR TO INSTALLATION SHALL BE CORRECTED AT CONTRACTORS EXPENSE. THIS INCLUDES BUT IS NOT LIMITED TO THERMOSTATS, CONTROL SYSTEM SENSORS, ELECTRICAL DEVICES, SWITCHES, DIMMERS, TECHNOLOGY DEVICES, A/V DEVICES, SPEAKERS, FIRE ALARM DEVICES, ETC.
- J. CEILING CONTRACTOR SHALL PROVIDE AND INSTALL CEILING ACCESS PANELS FOR ACCESSIBILITY TO ELECTRICAL JUNCTION BOXES, PLUMBING VALVES, BALANCING DAMPERS, CIRCUIT SETTERS, ETC. WHERE ABSOLUTELY NECESSARY. LOCATIONS WILL NEED TO BE APPROVED AND COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION.

REFERENCED NOTES: #

(NOT ALL NOTES MAY BE APPLICABLE TO THIS SHEET)

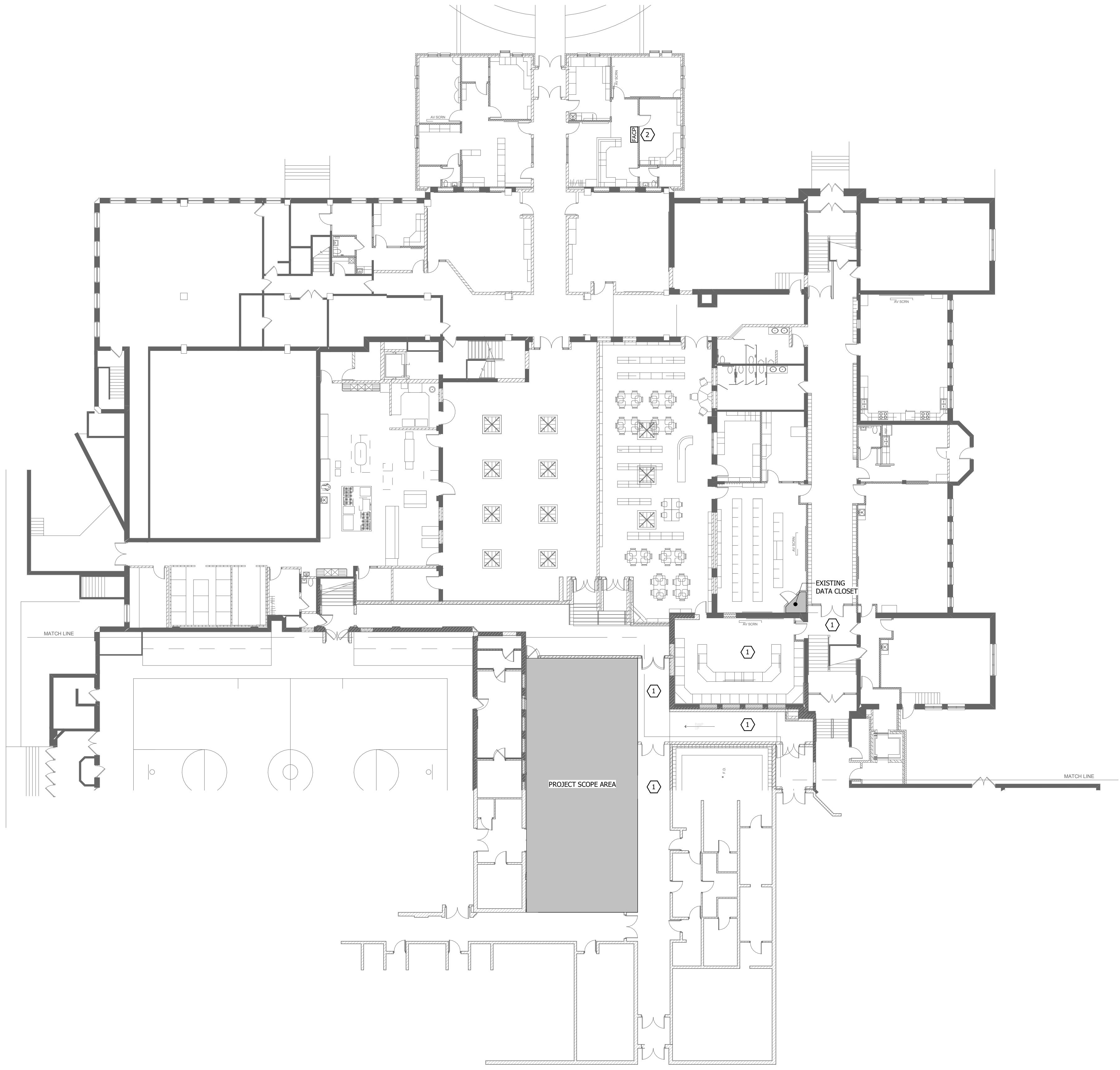
- 1. FURNISH AND INSTALL 20A-1P GFCI BREAKER IN EXISTING PANEL 1SF TO SERVE UNDER COUNTER REFRIGERATOR.
- 2. CIRCUIT NEW RECEPTACLES TO LOCAL EXISTING RECEPTACLE CIRCUIT.
- 3. REPLACE EXISTING RECEPTACLE WITH TAMPER RESISTANT DEVICE. RE-USE EXISTING CIRCUIT.
- 4. UNDER BASE BID: NO WORK. UNDER ALTERNATE #1: POWER NEW TANKLESS WATER HEATER TO EXISTING 120V WATER HEATER CIRCUIT.



1 FIRST FLOOR POWER PLAN
1/8" = 1'-0"

NOTE:
VERIFY BUILDING DIMENSIONS FOR ROUGH-IN
WORK WITH ARCHITECT'S DRAWINGS.

1 FIRST FLOOR LOW VOLTAGE PLAN
1/16" = 1'-0"



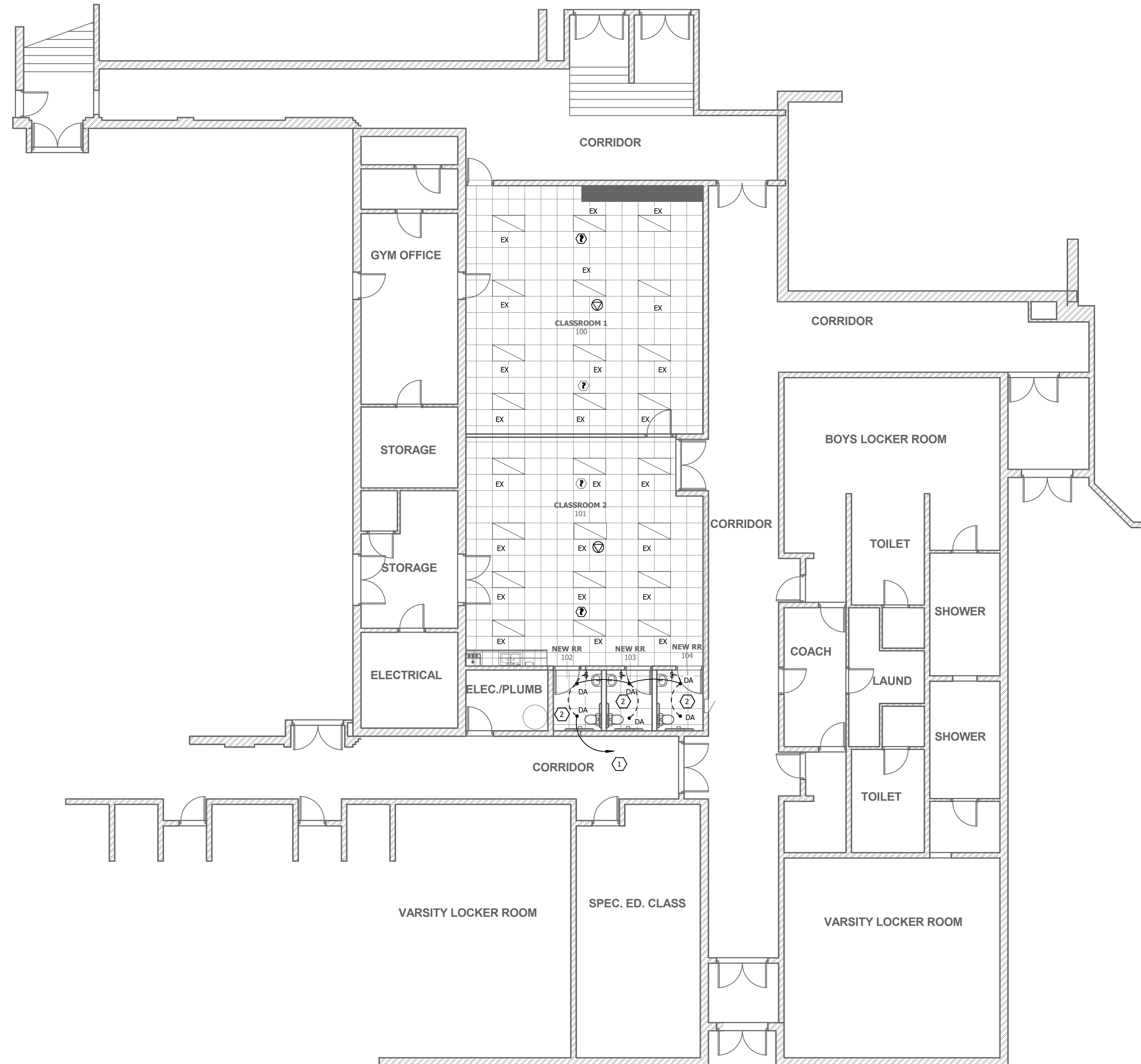
GENERAL NOTES:

- A. ALL DISCONNECTS ON MECHANICAL EQUIPMENT SHALL BE MOUNTED ON STRUCTURE TO ALLOW REMOVAL OF THE EQUIPMENT FOR MAINTENANCE WITH A MINIMUM OF WIRING WORK. VERIFY NEC CLEARANCE REQUIREMENTS ARE MET PRIOR TO ROUGH-IN.
- B. MAINTAIN SERVICE CLEARANCE AROUND ALL MECHANICAL & ELECTRICAL EQUIPMENT. DO NOT ROUTE PIPING OR CONDUIT IN CLEARANCE SPACE.
- C. SURFACE RACEWAY SHALL NOT BE USED IN ANY FINISHED AREAS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- D. ALL RECEPTACLE CIRCUITS SHALL HAVE DEDICATED NEUTRALS.
- E. INSTALL DEVICES SUCH THAT NO TWO DEVICES ON OPPOSITE SIDES OF SAME WALL ARE WITHIN 6" OF EACH OTHER.
- F. PROVIDE CONDUIT SLEEVES WITH INSULATED BUSHINGS SERVING ALL LOW VOLTAGE CABLING. DO NOT EXCEED 40% FILL.
- G. PRIOR TO ROUGH-IN, COORDINATE ALL WALL DEVICES WITH FINAL CASEWORK ELEVATIONS AND OTHER TRADES. CONFLICTS SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.
- H. ELECTRICAL CONTRACTOR SHALL PROVIDE TAMPER RESISTANT RECEPTACLES PER NEC 406.12 AND 517.18 (C).
- I. REFER TO ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS FOR SPECIFIC DEVICE ROUGH-IN AND PLACEMENT. ANY DEVIATIONS FROM THE ARCHITECTURAL ELEVATIONS AND RCP'S SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT PRIOR TO ROUGH-IN. IF A DEVICE IS REQUIRED PER SPECIFICATION REQUIRED FOR OPERATION, OR IS DIFFERENT IN CONFIGURATION THAN SHOWN ON ELEVATIONS AND RCP'S, CLARIFICATION AND DIRECTION MUST BE GIVEN BY THE ARCHITECT BEFORE ROUGH-IN. DEVIATIONS OR ADDITIONAL DEVICES NOT APPROVED PRIOR TO INSTALLATION SHALL BE CORRECTED AT CONTRACTORS EXPENSE. THIS INCLUDES BUT IS NOT LIMITED TO THERMOSTATS, CONTROL SYSTEM SENSORS, ELECTRICAL DEVICES, SWITCHES, DIMMERS, TECHNOLOGY DEVICES, A/V DEVICES, SPEAKERS, FIRE ALARM DEVICES, ETC.
- J. CEILING CONTRACTOR SHALL PROVIDE AND INSTALL CEILING ACCESS PANELS FOR ACCESSIBILITY TO ELECTRICAL JUNCTION BOXES, PLUMBING VALVES, BALANCING DAMPERS, CIRCUIT SETTERS, ETC. WHERE ABSOLUTELY NECESSARY. LOCATIONS WILL NEED TO BE APPROVED AND COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION.

REFERENCED NOTES: #

- 1. REMOVE EXISTING CEILING AS REQUIRED TO ROUTE NEW DATA CABLING FROM EXISTING TELECOM CLOSET TO THE PROJECT WORK AREA. PRESERVE AND PROTECT EXISTING CEILING TILE DURING CONSTRUCTION. COORDINATE WITH THE GENERAL CONTRACTOR. REPLACE DAMAGED TILE WITH OWNER'S ATTIC STOCK.
- 2. LOCATION OF EXISTING FIRE ALARM CONTROL PANEL. EXISTING PANEL IS A NOTIFIER 5000.

NOTE:
VERIFY BUILDING DIMENSIONS FOR ROUGH-IN
WORK WITH ARCHITECT'S DRAWINGS.



GENERAL NOTES:

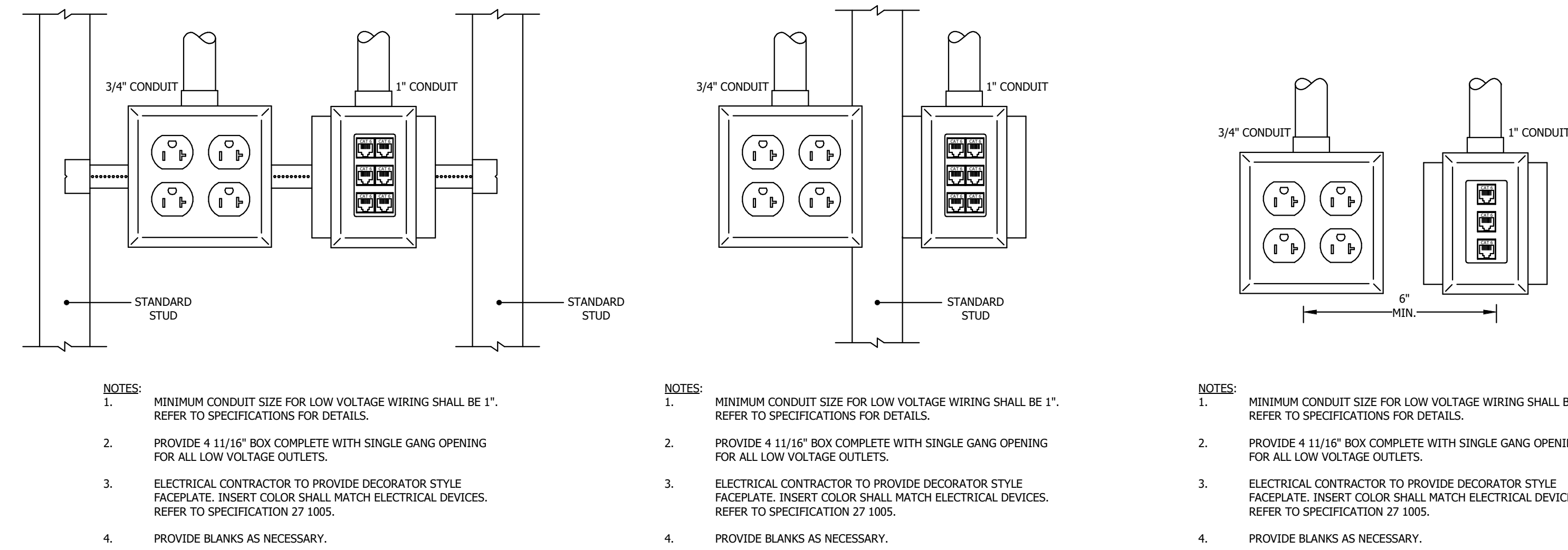
- A. SURFACE RACEWAY SHALL NOT BE USED IN ANY FINISHED AREAS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- B. INSTALL DEVICES SUCH THAT NO TWO DEVICES ON OPPOSITE SIDES OF SAME WALL ARE WITHIN 6" OF EACH OTHER.
- C. COORDINATE ALL DEVICES WITH ARCHITECTURAL PLANS AND CASEWORK SUBMITTALS.
- D. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN SUCH WAY THAT DRIVERS ARE ACCESSIBLE WITHOUT CUTTING OF CEILING. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF AREAS WHERE THIS IS NOT POSSIBLE.
- E. REFER TO ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS FOR SPECIFIC DEVICE ROUGH-IN AND PLACEMENT. ANY DEVIATIONS FROM THE ARCHITECTURAL ELEVATIONS AND RCP'S SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT PRIOR TO ROUGH-IN. IF A DEVICE IS REQUIRED PER SPECIFICATION, REQUIRED FOR OPERATION, OR IS DIFFERENT IN CONFIGURATION THAN SHOWN ON ELEVATIONS AND RCP'S, CLARIFICATION AND DIRECTION MUST BE GIVEN BY THE ARCHITECT BEFORE ROUGH-IN. DEVIATIONS OR ADDITIONAL DEVICES NOT APPROVED PRIOR TO INSTALLATION SHALL BE CORRECTED AT CONTRACTORS EXPENSE. THIS INCLUDES BUT IS NOT LIMITED TO THERMOSTATS, CONTROL SYSTEM SENSORS, ELECTRICAL DEVICES, SWITCHES, DIMMERS, TECHNOLOGY DEVICES, AV DEVICES, SPEAKERS, FIRE ALARM DEVICES, ETC.
- F. CEILING CONTRACTOR SHALL PROVIDE AND INSTALL CEILING ACCESS PANELS FOR ACCESSIBILITY TO ELECTRICAL JUNCTION BOXES, PLUMBING VALVES, BALANCING DAMPERS, CIRCUIT SETTERS, ETC. WHERE ABSOLUTELY NECESSARY, LOCATIONS WILL NEED TO BE APPROVED AND COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION.

REFERENCED NOTES: 6

- (NOT ALL NOTES MAY BE APPLICABLE TO THIS SHEET)
1. CONNECT TO EXISTING BREAKER SERVING LIGHTING IN THIS SPACE.
 2. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ONE (1) 4" LED ROUND DOWNLIGHT EQUAL TO HE WILLIAMS #4DR-TL-L10/833-DIM1-LIN-V-OW-OF-CS-MWT. LIGHTOLIER, PORTFOLIO AND GOTHAM ARE APPROVED EQUALS.

1 FIRST FLOOR LIGHTING PLAN
1/8" = 1'-0"

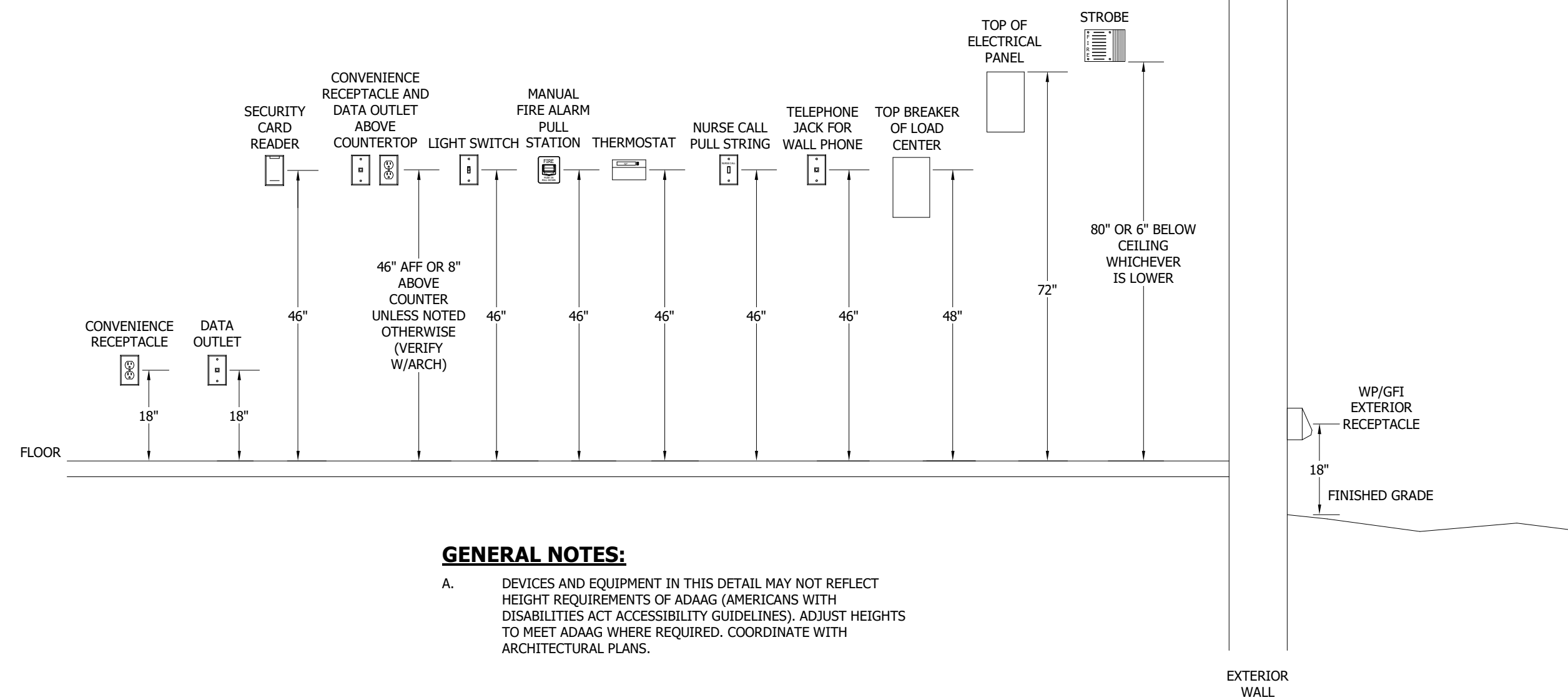
*NOTE:
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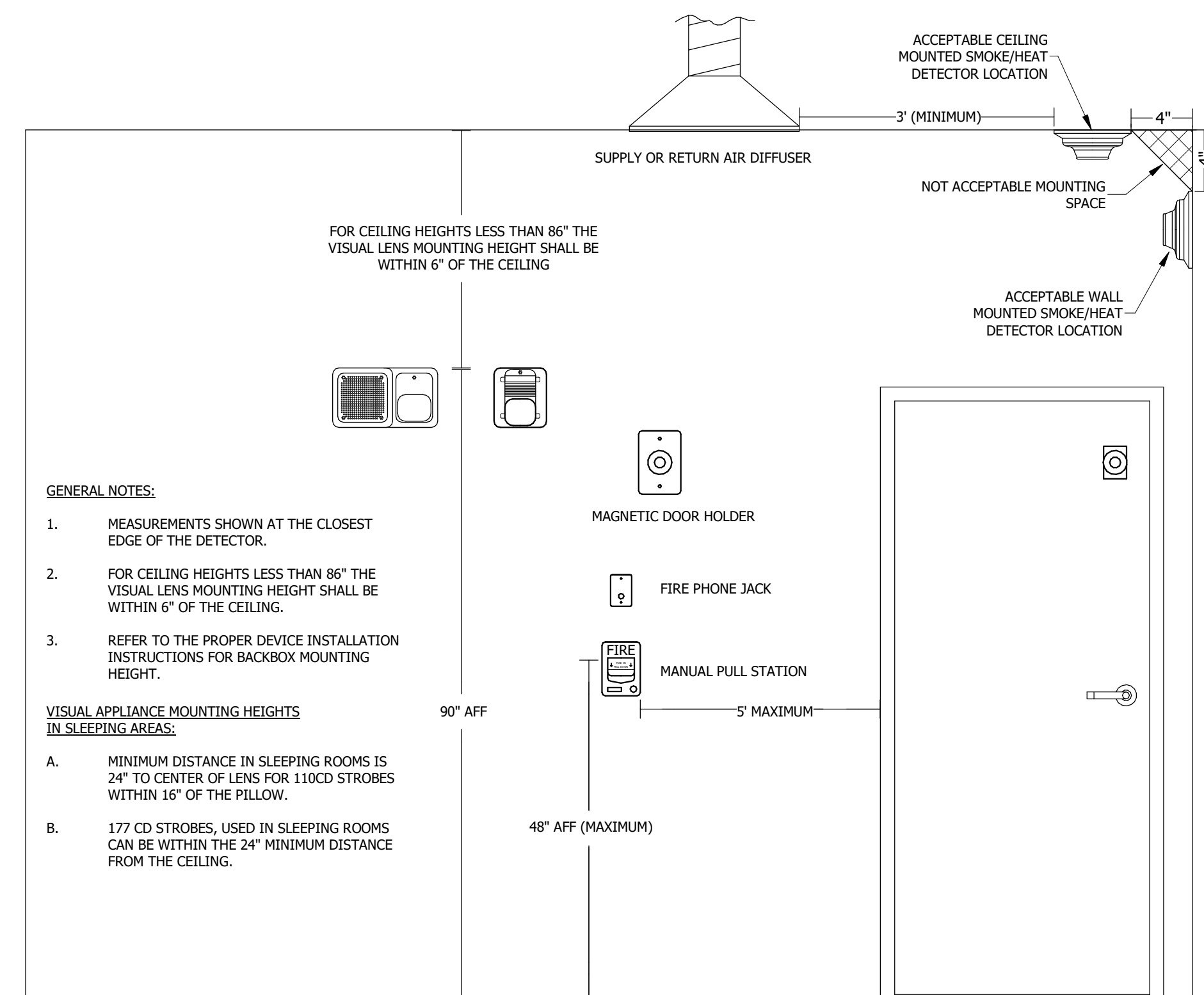
2 TYPICAL DUPLEX RECEPTACLE AND LV BOX MOUNTING DETAIL
No Scale

[NOTE TO SPECIFIER:

COORDINATE DEVICE ELEVATIONS WITH ARCHITECTURAL DETAILS. IF ARCHITECT SHOWS DEVICE ELEVATIONS ON THEIR DETAIL SHEETS, THEN CONSIDER REMOVING/EDITING THIS DETAIL AND ADDING A GENERAL NOTE FOR THE ELECTRICAL CONTRACTOR TO REFERENCE ARCHITECTURAL DEVICE ELEVATIONS.]



1 TYPICAL DEVICE ELEVATION DETAIL
No Scale



3 FIRE ALARM MOUNTING DETAILS
No Scale

NOTE:
VERIFY BUILDING DIMENSIONS FOR ROUGH-IN
WORK WITH ARCHITECT'S DRAWINGS.