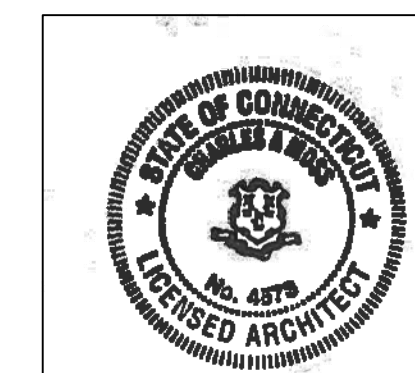


UConn HEALTH

R1207-R1241 CONVERT TO ZEBRAFISH FACILITY
PROJECT NO. 19-063

PREPARED BY:
DEPARTMENT OF CAMPUS PLANNING, DESIGN AND CONSTRUCTION
UConn HEALTH



DRAWING INDEX

| DWG. NO. | DRAWING TITLE |
|----------|-------------------------------------|
| A1 | DEMOLITION & CONSTRUCTION PLANS |
| A2 | REFLECTED CEILING & EQUIPMENT PLANS |
| M1 | HVAC PLANS |
| FP1 | FIRE PROTECTION PLANS |
| P1 | PLUMBING PLANS |
| E1 | ELECTRICAL POWER PLANS |
| E2 | ELECTRICAL LIGHTING PLANS |
| SP1 | ALTERNATE 1 - ACCESS CONTROL PLAN |

PLAN INCLUDED FOR COORDINATION AND INFORMATIONAL PURPOSES

EQ1 IWAKI EQUIPMENT PLAN

BUILDING CODE AND FIRE RESISTANCE NOTES

BUILDING CODE REVIEW:
2015 AND 2017 ADOPTED VERSIONS OF INTERNATIONAL CODES AS AMENDED AND ADOPTED BY THE 2018 CONNECTICUT STATE BUILDING CODE - INCLUDING;

2015 NFPA 101 LIFE SAFETY CODE

2009 ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

PROJECT TYPE: RENOVATION
CONSTRUCTION TYPE: IIB
FIRE PROTECTION: FULLY SPRINKLERED FIRE ALARM SYSTEM

BUILDING OCCUPANCY CLASSIFICATION:
NON-SEPARATED USE OF OFFICE, LABORATORY AND MECHANICAL WITH (ACCESSORY) ASSEMBLY

PROJECT OCCUPANCY: BUSINESS/LABORATORY

PROJECT AREA: 568 SQUARE FEET

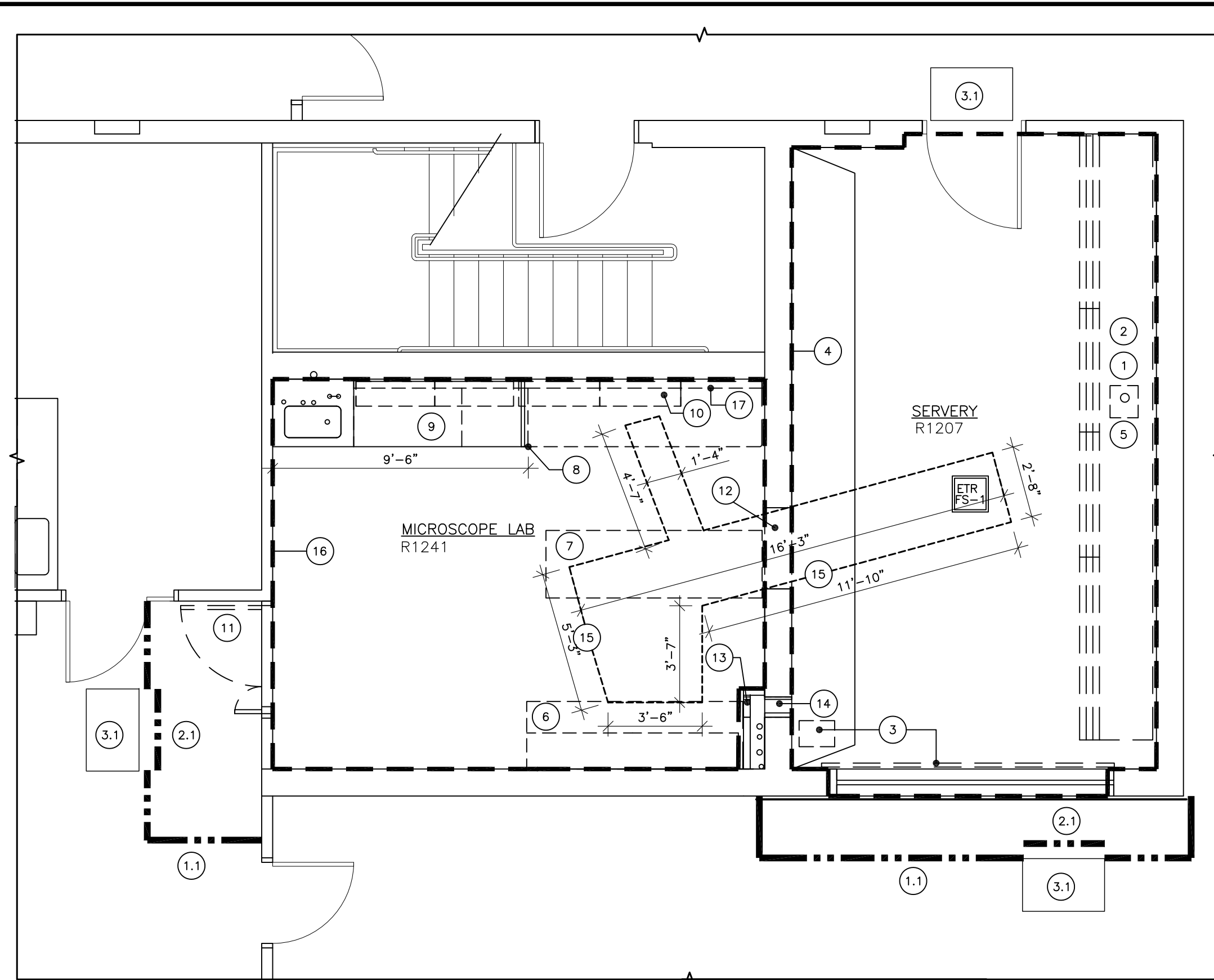
PROJECT OCCUPANT LOAD: 6 PERSONS

EGRESS CAPACITY: EGRESS DOORS AND CORRIDORS, UNCHANGED

| BUILDING ELEMENT | CODE REQ'D RATINGS | PROJECT RATINGS |
|----------------------------------|--------------------|-----------------|
| STRUCTURAL FRAME | 0-HR | N/A |
| EXTERIOR BEARING WALLS | 0-HR | N/A |
| INTERIOR BEARING WALLS | 0-HR | N/A |
| FIRE WALLS AND PARTY WALLS (706) | 0-HR | N/A |
| EXIT ENCLOSURES (1023) | 1-HR | N/A |
| MIXED USES | PER TABLE 508.4 | N/A |
| EXIT ACCESS CORRIDORS | 0-HR | 0-HR |
| EXTERIOR NON LOAD BEARING WALLS | PER TABLE 602 | N/A |
| INTERIOR NON LOAD BEARING WALLS | 0-HR | N/A |
| FLOOR CONSTRUCTION | 0-HR | N/A |
| ROOF CONSTRUCTION | 0-HR | N/A |

N/A - INDICATES THOSE BUILDING ELEMENTS NOT IMPACTED BY PROJECT CONSTRUCTION (EXISTING BUILDING ELEMENTS COMPLY WITH THE REQ'D RATINGS)

| NO | SYM | DESCRIPTION | DATE | APPV'D |
|------------|-----|------------------|--------|--------|
| | | ISSUE FOR PERMIT | 3/6/20 | |
| ISSUE DATE | | | | |



1 BARRIER & DEMOLITION PLAN
A1 SCALE: 1/4"=1'-0"

- SCHEDULE OF ITEMS**
- DISCONNECT ELECTRIC POWER AND PLUMBING TO SERVERY STEAM TABLE
 - ALL STAINLESS STEEL SERVERY EQUIPMENT TO BE REMOVED AND RETURNED TO SOURCE.
 - DISCONNECT POWER TO ROLL UP OVERHEAD DOOR. REMOVE OVERHEAD DOOR AND CONTROLS.
 - DEMOLISH EXISTING WOOD FLOORING AND WOOD BASE. SAVE WOOD BASE LENGTH AT VENDING MACHINE SIDE FOR REUSE IN OPEN DINING R1206.
 - CAP FLOOR DRAIN AT STEAM TABLE SUMP AND INFILL WITH LIGHTWEIGHT CONCRETE FILL.
 - DEMOLISH EXISTING LAB BENCH, BASE AND WALL CABINETS.
 - DEMOLISH EXISTING LAB BENCH AND BASE CABINETS.
 - SAWCUT EXISTING LAB BENCH AT 9'-6" AND REMOVE. SAVE A PORTION OF THE LAB BENCH FOR VERTICAL SUPPORT UNDER BENCHTOP. SEE DETAILS 5, 6 & 7 SHEET A2.
 - EXISTING BASE CABINET TO REMAIN IN PLACE.
 - REMOVE EXISTING WALL SHELVES.
 - REMOVE EXISTING DOUBLE DOORS AND FRAME. SAVE FOR BUILDING ATTIC STOCK.
 - SAWCUT A ROUGH OPENING IN EXISTING CONCRETE BLOCK WALL (TYPE "A" AS NOTED BELOW) FOR A NEW METAL DOOR AND FRAME. REFER TO DOOR SCHEDULE.
 - OPEN EXISTING WALL CHASE AS NEEDED TO FACILITATE PLUMBING LINES FOR VENDOR EQUIPMENT PIPING. STAY TO LEFT OF EXISTING VERTICAL PIPING IN CHASE.
 - PROVIDE A 6" AND 3" (STACKED ONE ABOVE THE OTHER) ROUGH OPENING IN THE EXISTING CONCRETE BLOCK WALL FOR WATER SUPPLY AND RETURN PIPING FOR FISH EQUIPMENT PUMP.
 - SAWCUT EXISTING FLOOR SLAB TO THE LIMITS SHOWN FOR INSTALLATION OF FLOOR DRAIN AND DRAIN LINE PIPING. SMOKE WORK TO BE ON OFF HOURS.
 - REMOVE EXISTING VCT FLOORING AND VINYL BASE.
 - REMOVE END PORTION OF UTILITY CHASE PANEL.

BARRIER PLAN

GENERAL

THE CONTRACTOR SHALL BE REQUIRED TO WORK IN AREAS IN OR ADJACENT TO RESEARCH AREAS. AS A RESULT, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE EFFECTIVE MEANS AND METHODS BASED ON THE INFORMATION CONTAINED HEREIN AND AS SPECIFIED IN SECTION 01020-CONSTRUCTION AREA ENVIRONMENTAL CONTROL TO ENSURE THAT THE ENVIRONMENT FOR RESEARCH IS FULLY MAINTAINED.

PRIOR TO BEGINNING ANY PHASED WORK, THE CONTRACTOR SHALL REVIEW INSTALLATION OF ENVIRONMENTAL CONTROL MEASURES AS INDICATED IN THE CONTRACT DOCUMENTS WITH THE UCH REPRESENTATIVE.

WORK OCCURRING IN SUCH SPACES SHALL HAVE HEPA FILTERED NEGATIVE AIR PRESSURE FROM THE SURROUNDING OCCUPIED SPACES.

IN AREAS WHERE PORTIONS OF THE CEILING SYSTEM IS REMOVED, THE AREA BETWEEN THE REMAINING CEILING SYSTEM AND THE STRUCTURE ABOVE SHALL BE SEALED WITH FIRE RATED POLYETHYLENE (TO AID IN THE ABILITY TO CREATE A NEGATIVE PRESSURE ENVIRONMENT).

TYPE-C

ENVIRONMENTAL CONTROL BARRIERS SHALL CONSIST OF: FIRE RATED POLYETHYLENE SUPPORTED BY A SERIES OF TELESCOPING ZIP POLES. ALL SEAMS AND EDGE INTERSECTIONS WITH EXISTING FLOOR, WALL AND CEILING MATERIALS SHALL BE SEALED WITH DUCT TAPE.

OPENINGS USED FOR AREA ACCESS FOR TYPE-B AND TYPE-C BARRIERS SHALL HAVE OVERLAP PROTECTION OF NOT LESS THAN 24" OF POLYETHYLENE OVERLAP.

- SCHEDULE OF ITEMS**
- TYPE-C ENVIRONMENTAL BARRIER.
 - TEMPORARY ENTRANCE.
 - STICKY WALK OFF PAD.

DEMOLITION LEGEND

REFER TO DRAWINGS FOR ACTION REQUIRED

SYMBOL DESCRIPTION

----- MATERIALS TO BE REMOVED. REFER TO DRAWINGS FOR SCHEDULE OF ITEMS.

----- EXISTING CONSTRUCTION TO REMAIN

EXISTING WALL SCHEDULE

SYMBOL DESCRIPTION

◆ 8" CONCRETE MASONRY WALL CONSTRUCTION WITH ONE SIDE FINISHED WITH CERAMIC TILE (PARTIAL HEIGHT) AND 1" THICK PLASTER. WALL HEIGHT APPROXIMATELY 6' ABOVE EXISTING CEILING SYSTEM.

DEMOLITION NOTES

GENERAL

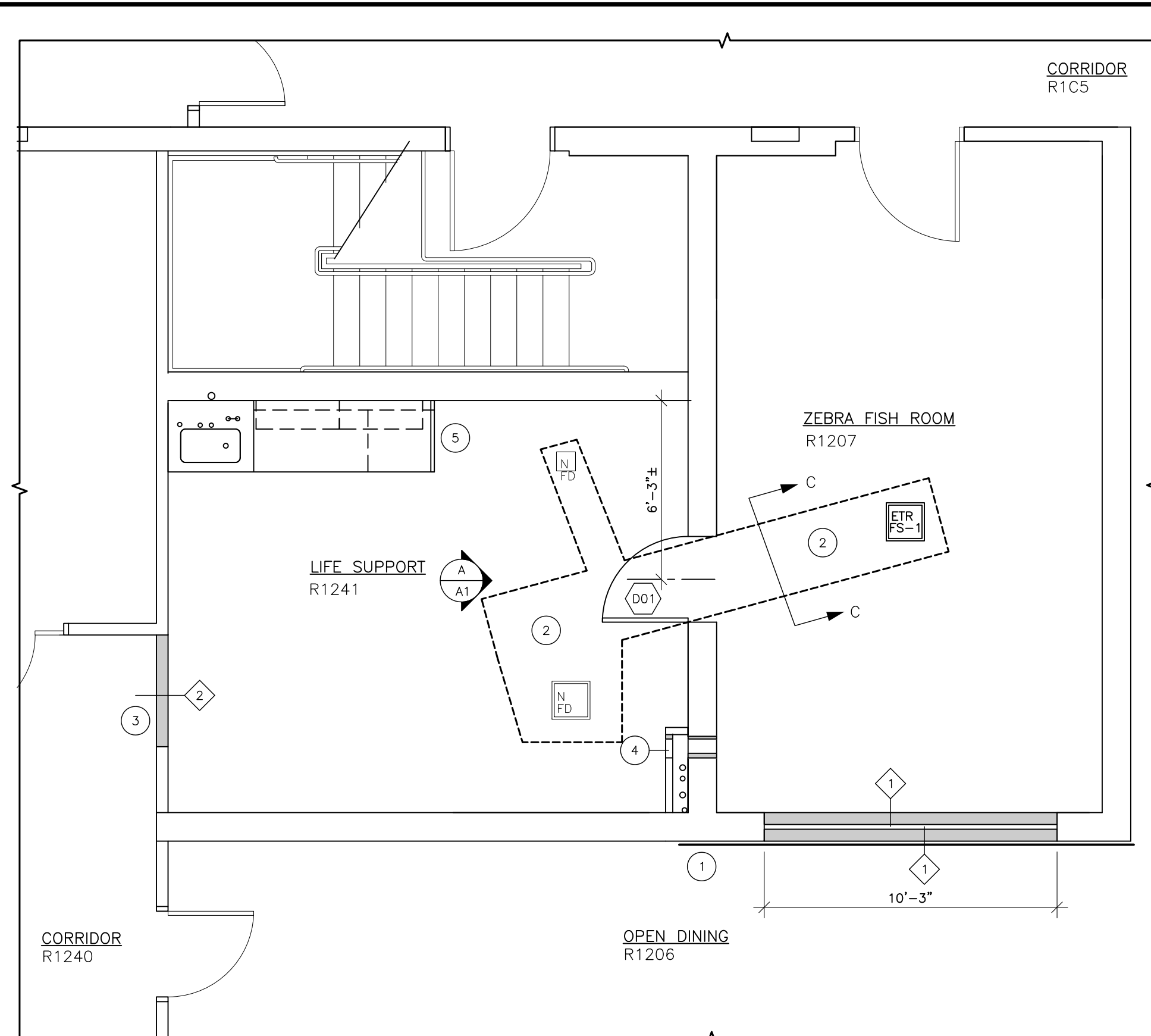
COORDINATE THIS DRAWING WITH OTHER DEMOLITION DRAWINGS AND PROJECT NOTES.

IT IS NOT THE INTENT OF THE CONTRACT DOCUMENTS TO SHOW ALL EXISTING CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS APPLICABLE TO THIS PROJECT, AND SHALL INCLUDE ALL REQUIREMENTS NECESSARY FOR THE COMPLETION OF THE WORK, BASED ON THE EXISTING CONDITIONS.

THE UCH AGENT SHALL RESERVE THE RIGHT TO HAVE ANY ITEM SCHEDULED FOR REMOVAL, TURNED OVER TO THE AGENCY. THE CONTRACTOR SHALL REVIEW THESE ITEMS WITH THE UCH AGENT PRIOR TO THE COMMENCEMENT OF THE WORK. THE CONTRACTOR SHALL DISPOSE OF ITEMS DEEMED NOT NEEDED, PRIOR TO THE START OF DEMOLITION PROCEDURES. THE CONTRACTOR SHALL REFER TO TRADE DRAWINGS FOR ITEMS REQUIRED TO BE SEGREGATED FROM CONSTRUCTION DEBRIS AND DISPOSED OF IN ACCORDANCE WITH THE REQUIREMENTS OF THE UCH OFFICE OF RESEARCH SAFETY (EXT. 2723).

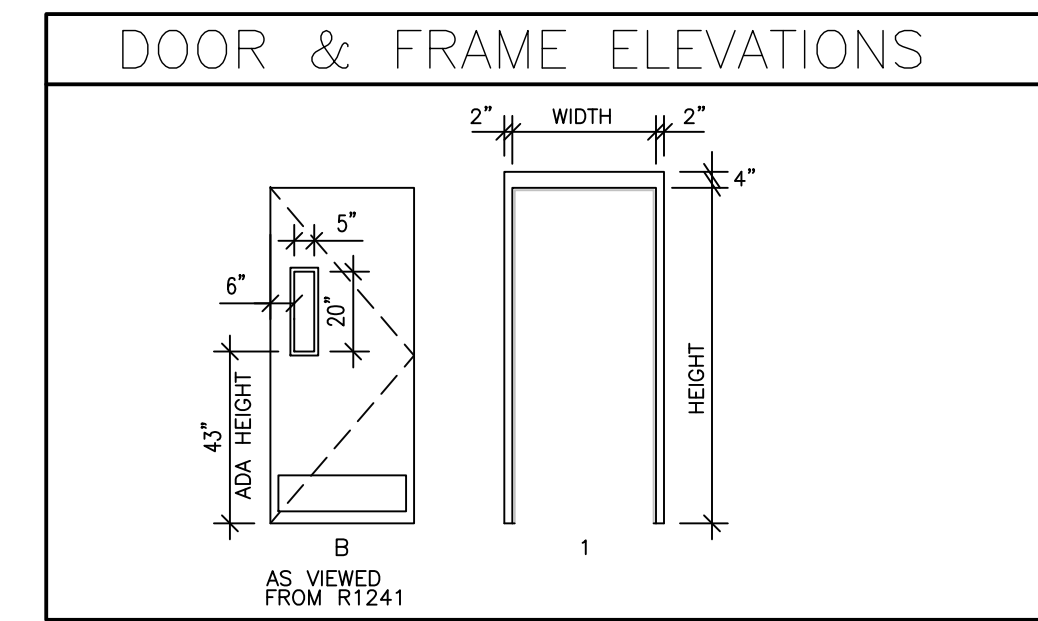
IT IS THE INTENT FOR ITEMS SCHEDULED FOR REMOVAL THAT THE ITEM BE REMOVED IN ITS ENTIRETY UNLESS NOTED OTHERWISE.

MISCELLANEOUS ITEMS NOT IDENTIFIED ON THE DRAWINGS SHALL BE REMOVED AND TURNED OVER TO THE UCH AGENT.



2 CONSTRUCTION PLAN
A1 SCALE: 1/4"=1'-0"

- SCHEDULE OF ITEMS**
- REINSTALL WOOD BASE AT NEW WALL CONSTRUCTION REMOVED FROM SERVERY R1207.
 - INFILL EXISTING TRENCH AND INSTALL NEW CONCRETE SLAB. REFER TO TRENCH DETAIL C/A1.
 - NEW VINYL BASE AT WALL CONSTRUCTION R1240. MATCH ADJACENT MATERIALS.
 - PATCH/REPAIR DRYWALL FOR 6" PIPE PENETRATION FOR VENDOR EQUIPMENT.
 - INSTALL END SUPPORT PANEL FROM REMOVED PORTION OF RESIN COUNTER. SEE DETAIL 5/A2.



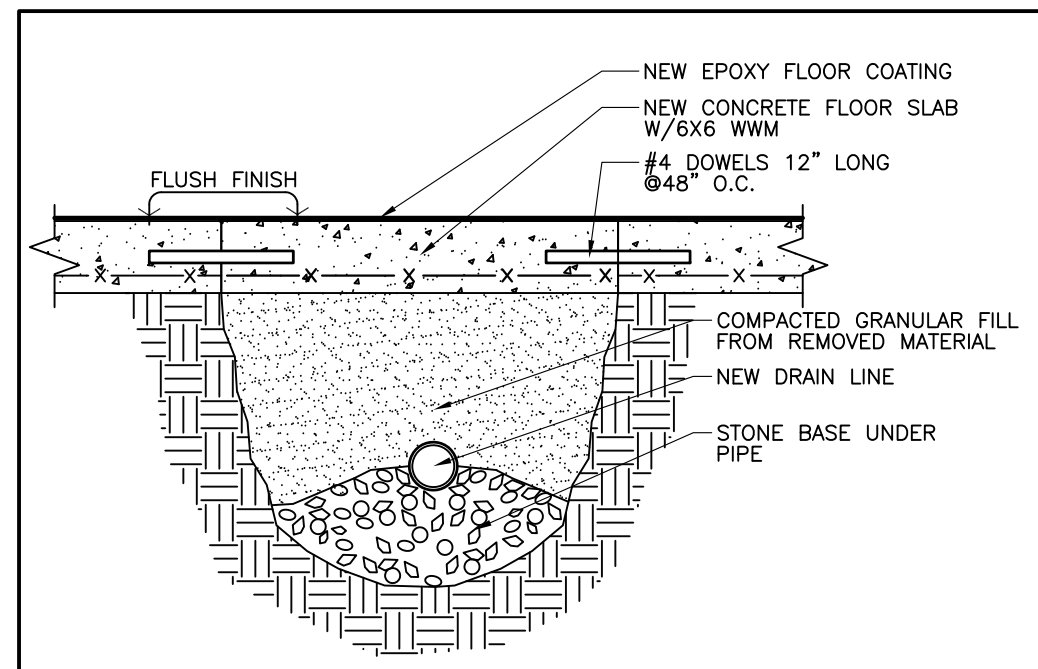
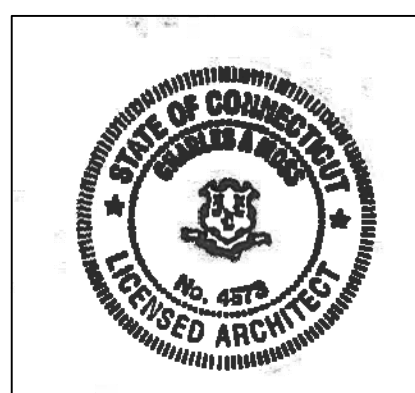
DOOR SCHEDULE

| DOOR NUMBER | WIDTH | HEIGHT | THICK | MAT | FRAMES MAT | FRAMES THROAT | UL LABEL | HDWR SET | REMARKS |
|-------------|-------|--------|--------|-----|------------|---------------|----------|----------|-------------------|
| D01 | 3'-0" | 7'-0" | 1-3/4" | HM | HM | TBD | NA | 1 | SEE NOTE 2, 3 & 4 |

- NOTES**
- ALL FRAMES ARE ELEVATION TYPE 1 EXCEPT IF REMARKED OTHERWISE.
 - INSTALL 1/4" TEMPERED GLASS IN VISION PANEL.
 - WRAP AROUND DOOR FRAME IN CONCRETE BLOCK WALL.
 - KICK PLATE AT DOOR BOTTOM, 9"x34"

DOOR HARDWARE

| SET #1: | QTY | DESCRIPTION | MANUFACTURER | PRODUCT NUMBER |
|---------|-------|-------------|--------------|---------------------------------|
| 1 | 1/2PR | HINGES | STANLEY | FB179, 4.5X4.5 |
| 1 | 1 | PASSAGE | SCHLAGE | L9010-17-626 |
| 1 | 1 | CLOSER | LCN | 4040 RW/PA |
| 2 | 2 | SILENCERS | IVES | SR64 |
| 2 | 2 | KICK PLATE | IVES | 9"X (DOOR WIDTH-2") (PUSH SIDE) |



C TRENCH DETAIL
A1 SCALE: NTS

ROOM FINISH SCHEDULE

| ROOM NUMBER | ROOM NAME | FLOOR | BASE | WALLS | | | | CEILING | | DOORS | FRAMES | REMARKS |
|-------------|-------------------|-------|------|-------|-----|---------|-----|---------|-------|-------|--------|------------|
| | | | | N | E | S | W | MAT | HT | | | |
| R1207 | ZEBRAFISH ROOM | RF-1 | RF-1 | P-3 | P-3 | P-3/P-2 | P-3 | AC-1 | 9'-6" | P-4 | P-4 | SEE NOTE 1 |
| R1241 | LIFE SUPPORT ROOM | RF-1 | RF-1 | CMU | CMU | CMU/GYP | CMU | EX | 8'-6" | HM | HM | |
| R1240 | CORRIDOR | EX | RB-1 | P-3 | P-3 | P-3 | P-2 | EX | 8'-6" | P-4 | P-4 | SEE NOTE 2 |
| R1206 | OPEN DINING | EX | WD | P-1 | | | | EX | 8'-6" | | | SEE NOTE 3 |

NOTES

- METAL STUD & GYP BD. INFILL AT OVERHEAD DOOR OPENING WITH CMU ON EITHER SIDE OF OPENING
- NEW GYP BD INFILL AT FORMER DOOR OPENING
- NEW GYP BD INFILL AT FORMER OVERHEAD DOOR OPENING
-
-

MATERIAL ABBREVIATIONS

AC ACOUSTICAL CEILING SYSTEM
BG BUMPER GUARDS / HANDRAILS
CB CEMENT BOARD
CMU CONCRETE MASONRY UNITS
CG CORNER GUARDS

EX EXISTING TO REMAIN
GWB GYPSUM WALLBOARD
HM HOLLOW METAL
P PAINT
SP SPECIAL COATINGS
VB VINYL BASE

PAINT - SHERWIN-WILLIAMS

NEW - (1) COAT PRIMER (2) COATS FINISH
EXISTING - COAT FINISH (MIN) ADDITIONAL COAT(S) AS REQUIRED PENDING COVERAGE

P-1 LOCATIONS OF USE SHALL BE: GYPSUM WALL SURFACES OUTSIDE OF ROOMS R1207 AND R1241
COLOR: WHITE

P-2 LOCATIONS OF USE SHALL BE: GYPSUM WALL SURFACES INSIDE OF ROOMS R1207 AND R1241 (HIGH HUMIDITY)
COLOR: WHITE

P-3 LOCATIONS OF USE SHALL BE: CONCRETE MASONRY UNITS WALL SURFACES INSIDE OF ROOMS R1207 AND R1241 (HIGH HUMIDITY)
COLOR: WHITE

P-4 LOCATIONS OF USE SHALL BE: DOOR AND FRAME SURFACES (HIGH HUMIDITY)
DARK GRAY (MATCH EXISTING)

FINISH TYPE

ES EGGSHELL FINISH (WALLS)
SG SEMI-GLOSS (DOORS/FRAMES)

RESINOUS FLOORING

RF-1 ROOMS R1207 & R1241
HYBR-FLEX E028 BY DUR-A-FLEX
W/ 4" INTEGRAL COVE BASE
COLOR: 028-21

ACOUSTICAL CEILING

AC-1 ARMSTRONG SQUARE EDGE CERAMAGUARD #605 WITH PRELLE PLUS XL-ALUMINUM SUSPENDED GRID
SIZE: 24 X 48
COLOR: WHITE

RUBBER BASE

RB-1 MANUFACTURER: ROPPE
SIZE: 4 1/8" THICK RUBBER
COLOR: NATURAL-P122

CONSTRUCTION LEGEND

REFER TO DRAWINGS FOR ACTION REQUIRED

SYMBOL DESCRIPTION

----- NEW PARTITION. REFER TO NEW WALL SCHEDULE FOR TYPE

----- EXISTING CONSTRUCTION TO REMAIN

○ 11 CONSTRUCTION NOTES

○ D21 DOOR NUMBER

◇ 1 WALL TYPE

◆ 1 ELEVATION SYMBOL

◆ A1 ELEVATION VIEW SHEET NO.

NEW WALL SCHEDULE

SYMBOL DESCRIPTION WIDTH

◆ 1 3-5/8" METAL STUDS (20 GA.) AT 16" O.C. WITH 3" OF THERMAFIBER SAFB INSULATION AND 5/8" GYPSUM ONE SIDE. 4 1/4"

◆ 2 3-5/8" METAL STUDS (20 GA.) AT 16" O.C. WITH 3" OF THERMAFIBER SAFB INSULATION AND MATCH EXISTING GYPSUM EACH SIDE TO INFILL DOOR FRAME.

CONSTRUCTION NOTES

GENERAL

COORDINATE THIS DRAWING WITH OTHER PROJECT DRAWINGS AND PROJECT NOTES.

WALL PATCHING AND REFINISHING OF EXISTING WALLS SHALL BE MADE PART OF THIS PROJECT. THE CONTRACTOR SHALL PATCH, REPAIR AND FINISH DAMAGED WALL SURFACES WITHIN THE PROJECT AREA WHETHER IDENTIFIED OR NOT.

AT INTERSECTION OF DEMOLISHED WALLS FROM EXISTING WALLS TO REMAIN AND ITEMS REMOVED, THE CONTRACTOR SHALL PATCH AREAS TO MATCH EXISTING AND MAKE READY TO RECEIVE NEW PAINT.

FLOOR PENETRATION FILL: IN AREAS OF REMOVAL OF FLOOR PENETRATING ITEMS, FASTEN 18 GA. METAL FORM TO UNDERSIDE OF HOLE, FILL HOLE WITH NON-SHRINK GROUT FOR FULL THICKNESS OF FLOOR SLAB. FINISH TO BE FLUSH WITH ADJACENT FLOOR SURFACE.

THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL ITEMS UNLESS NOTED OTHERWISE.

ATTACHMENT BLOCKING: THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY ATTACHMENT BLOCKING FOR SUPPORT OF ALL ITEMS PRIOR TO THE INSTALLATION OF ALL FINISH (WALL / CEILING) MATERIALS. FAILURE TO DO SO SHALL RESULT IN THE CONTRACTOR HAVING TO OPEN THE AREA AND SUBSEQUENTLY INSTALLING ALL REQUIRED ANCHORAGE SUPPORTS NECESSARY FOR THE COMPLETE INSTALLATION OF SAID ACCESSORY DEVICE, AND REINSTALLATION OF THE APPLIED FINISH MATERIALS.

REVISIONS

| NO | SYM | DESCRIPTION | DATE | APP'D |
|----|-----|-------------|------|-------|
| | | | | |

PROJECT LOCATION

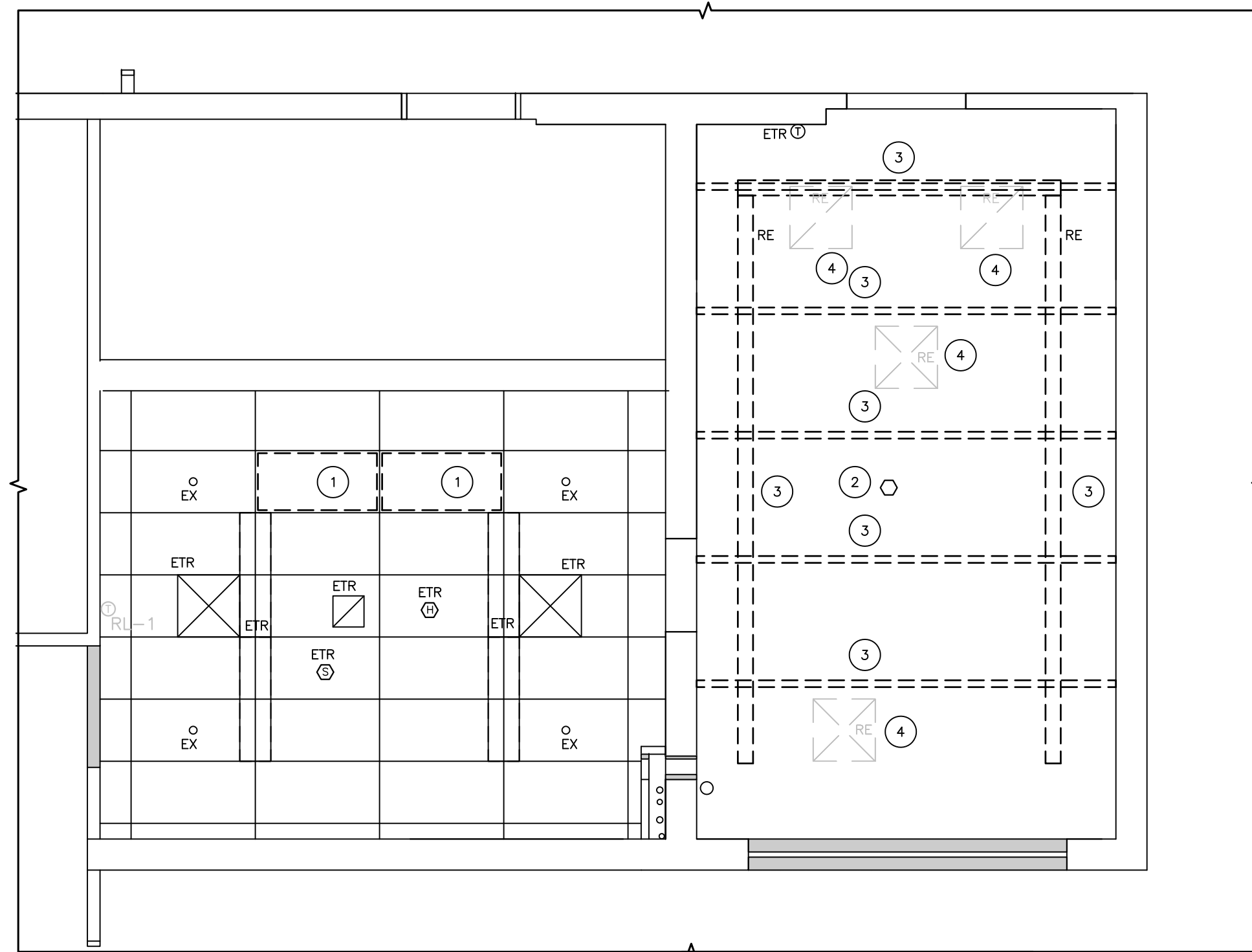
BUILDING: R
FLOOR: 1

UCONN HEALTH CAMPUS PLANNING, DESIGN AND CONSTRUCTION

PROJECT NAME: R1207-R1241 CONVERT TO ZEBRAFISH FACILITY
PROJECT NO.: 19-047

DRAWING TITLE: DEMOLITION & CONSTRUCTION
DRAWING NO.: A1

SCALE: AS NOTED
CHECKED BY: CM
PROJECT MGR: JH
ISSUE DATE: 3/6/20



1 CEILING DEMOLITION
A2 SCALE: 1/4"=1'-0"

SCHEDULE OF ITEMS

- 1 REMOVE EXISTING 2x4 CEILING TILES, SAVE FOR REUSE.
- 2 REMOVE EXISTING HEAT DETECTOR, SAVE FOR REUSE.
- 3 SUSPENDED LINEAR LIGHTS AND SUPPORT SYSTEM TO BE REMOVED. SEE LIGHTING DEMOLITION PLAN.
- 4 REMOVE EXISTING SUPPLY AND RETURN HVAC DIFFUSERS. SEE HVAC DEMOLITION PLAN.

CEILING DEMOLITION LEGEND

REFER TO DRAWINGS FOR ACTION REQUIRED

- | SYMBOL | DESCRIPTION |
|--------------|--|
| | SUSPENDED LINEAR FLUORESCENT LIGHT FIXTURE |
| | SUPPLY DIFFUSER |
| | RETURN REGISTER |
| | DOWN LIGHT |
| | SPRINKLER HEAD (EXISTING TO REMAIN) |
| | SPRINKLER HEAD (EXISTING TO BE REMOVED) |
| | OCCUPANCY SENSOR |
| | EXIT SIGN |
| | SMOKE DETECTOR |
| | HEAT DETECTOR |
| ABBREVIATION | MEANING |
| RL | REMOVE EXISTING AND SAVE FOR REUSE |
| ETR | EXISTING TO REMAIN |

GENERAL NOTES

IF IS NOT THE INTENT OF THE CONTRACT DRAWINGS TO SHOW ALL EXISTING CONDITIONS, THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS APPLICABLE TO THIS PROJECT, AND SHALL INCLUDE ALL REQUIREMENTS NECESSARY FOR THE COMPLETION OF THE WORK, BASED ON THE EXISTING CONDITIONS.

THE UCHC REPRESENTATIVE SHALL RESERVE THE RIGHT TO HAVE ANY ITEM SCHEDULED FOR REMOVAL TURNED OVER TO THE AGENCY. THE CONTRACTOR SHALL REVIEW THESE ITEMS WITH THE UCHC REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF THE WORK.

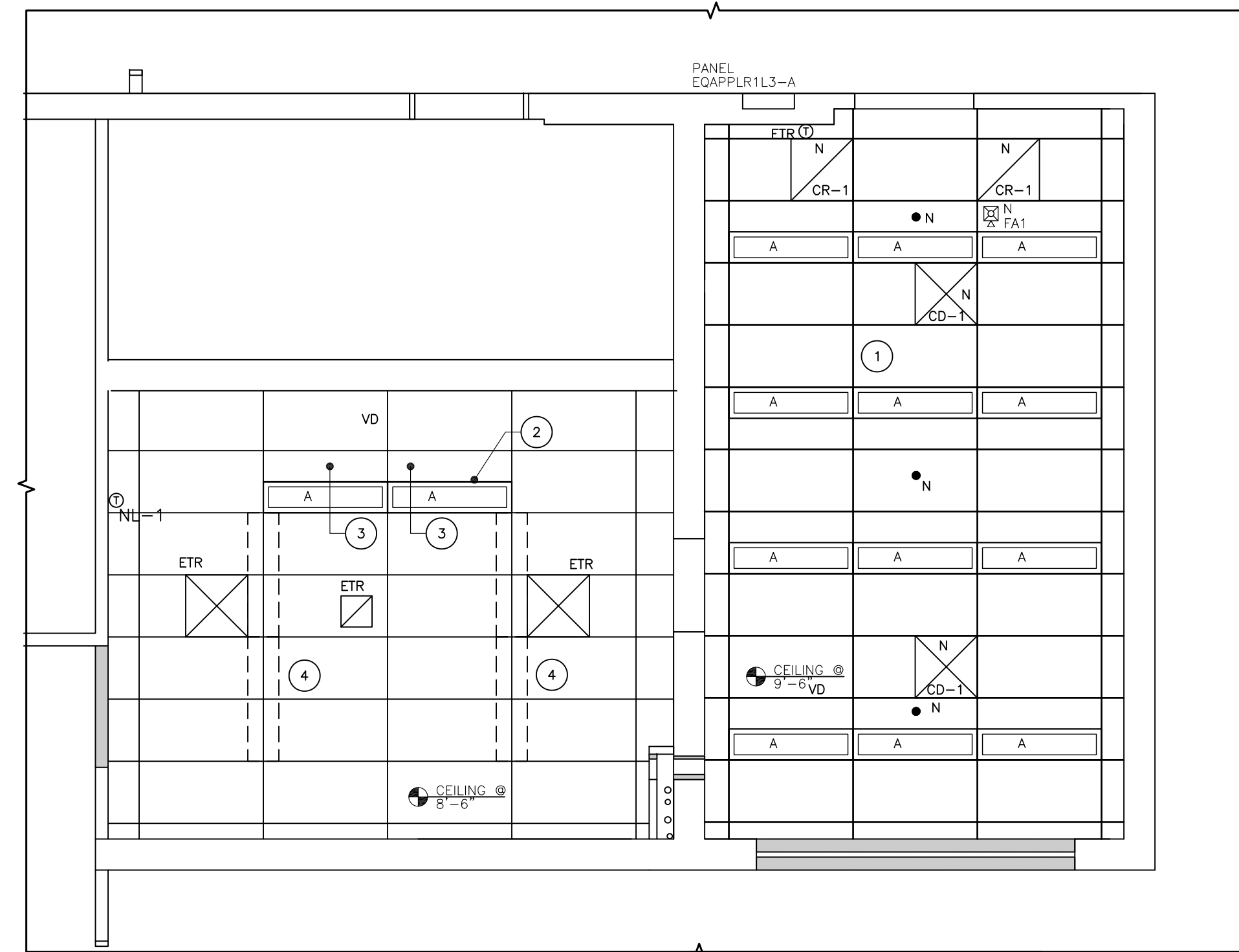
THE CONTRACTOR SHALL DISPOSE OF ITEMS DEEMED NOT NEEDED. USED ELECTRONIC PRODUCTS AND FLUORESCENT BULBS MUST BE DISPOSED OF PROPERLY AND MUST NOT ENTER THE NORMAL TRASH STREAM.

IT IS INTENT FOR ITEMS SCHEDULED FOR REMOVAL THAT THE ITEM BE REMOVED IN ITS ENTIRETY UNLESS NOTED OTHERWISE.

REMOVAL OF EXISTING CEILING SYSTEMS SHALL INCLUDE: SUPPORTING DEVICES, LIGHT FIXTURES, OCCUPANCY SENSORS, SPRINKLER HEADS, SUPPLY AND RETURN AIR DIFFUSERS. SCOPE OF THE WORK SHALL BE AS SHOWN ON RESPECTIVE ELECTRICAL, MECHANICAL, AND FIRE SUPPRESSION TRADE DRAWINGS.

CONTRACTOR SHALL PROVIDE ADDITIONAL SUPPORT AND RESTRAINT FOR EXISTING PIPING, DUCTWORK AND EQUIPMENT IN AREAS WHERE CEILING ARE REMOVED AS WORK OF THIS PROJECT.

SUPPORT AND RESTRAINT OF EXISTING SERVICES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 15140.



2 CEILING CONSTRUCTION
A2 SCALE: 1/4"=1'-0"

SCHEDULE OF ITEMS

- 1 INSTALL A NEW ACOUSTICAL CEILING ASSEMBLY TYPE AC-1 AS SCHEDULED IN R1207. CEILING TO BE AT 9'-6" AFF.
- 2 NEW CEILING GRID CROSS TEE.
- 3 REINSTALL CEILING TILES REMOVED AND CUT TO FIT NEW GRID.
- 4 EXISTING SUSPENDED DIRECT/INDIRECT FIXTURES TO REMAIN.

CEILING CONSTRUCTION LEGEND

REFER TO DRAWINGS FOR ACTION REQUIRED

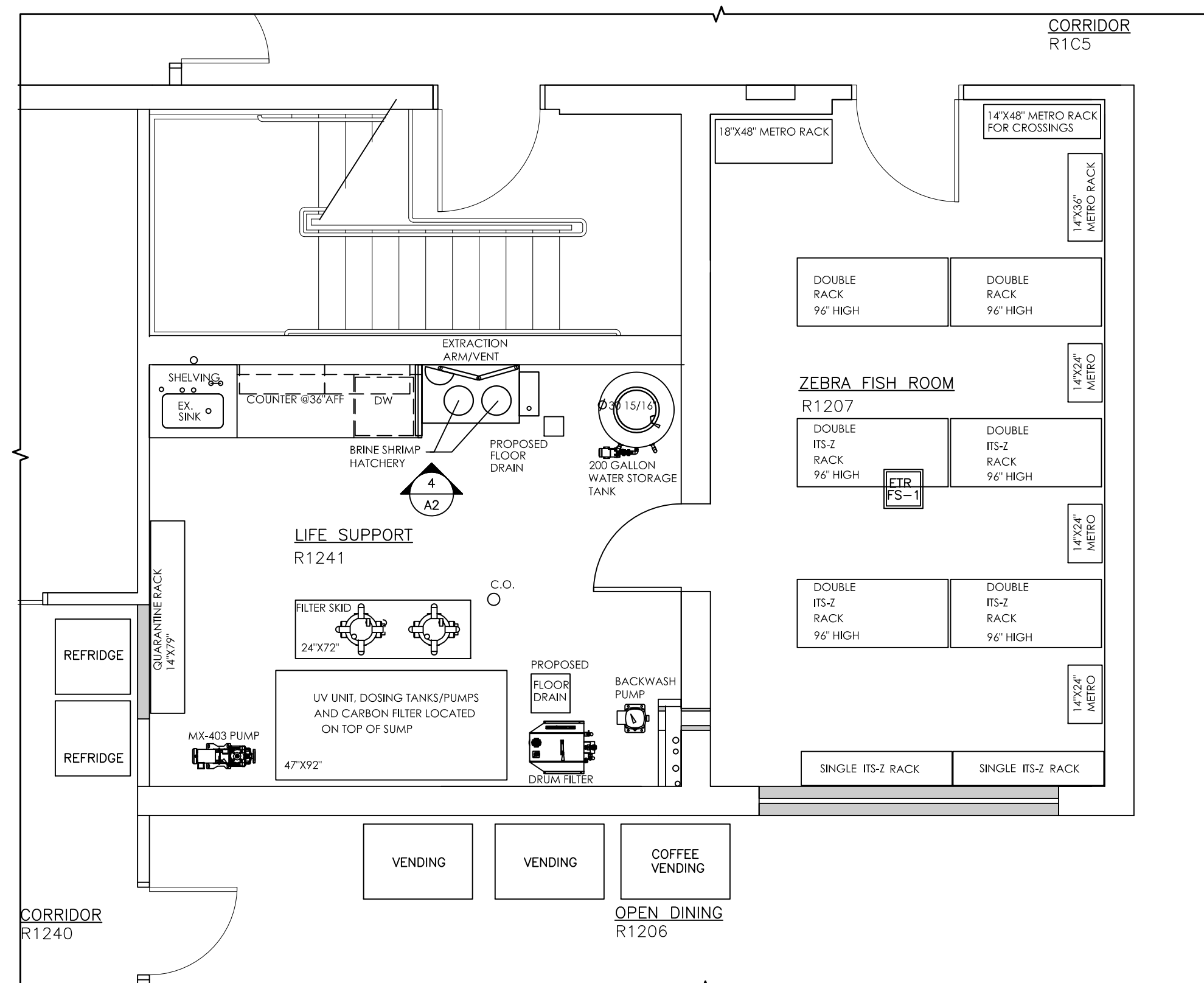
- | SYMBOL | DESCRIPTION |
|--------------|--|
| | 1' X 4' LAY-IN FLUORESCENT LIGHT FIXTURE |
| | 2' X 4' LAY-IN FLUORESCENT LIGHT FIXTURE |
| | SUPPLY DIFFUSER |
| | RETURN REGISTER |
| | SPRINKLER HEAD (EXISTING TO REMAIN) |
| | SPRINKLER HEAD (NEW) |
| | OCCUPANCY SENSOR |
| | EXIT SIGN |
| | SMOKE DETECTOR |
| | HEAT DETECTOR |
| ABBREVIATION | MEANING |
| RL | REMOVE EXISTING AND SAVE FOR REUSE |
| ETR | EXISTING TO REMAIN |
| SCAP | SUSPENDED GRID ACOUSTIC PANEL |

CEILING NOTES

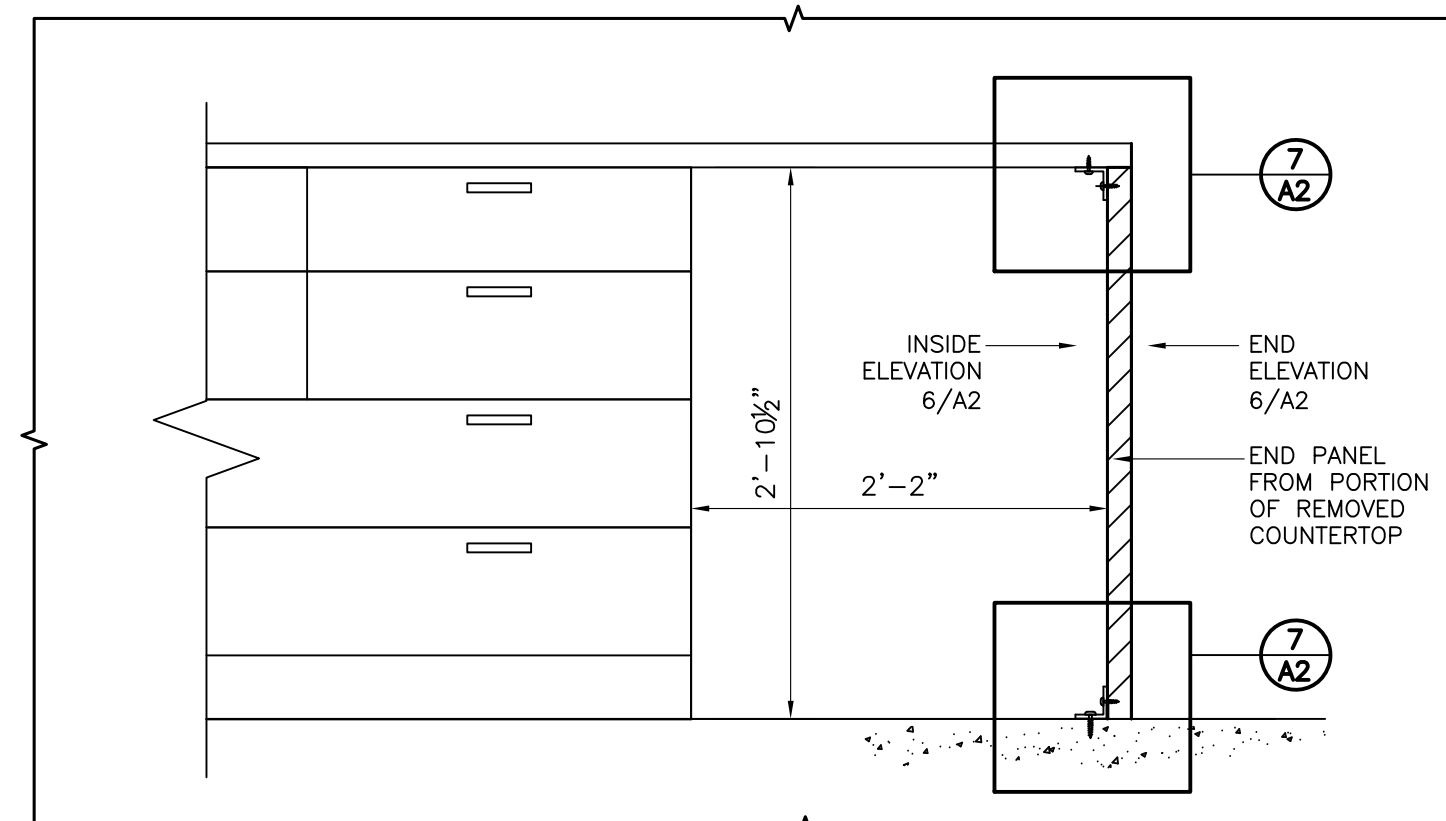
GENERAL

COORDINATE THIS DRAWING WITH OTHER PROJECT DRAWINGS AND PROJECT NOTES.

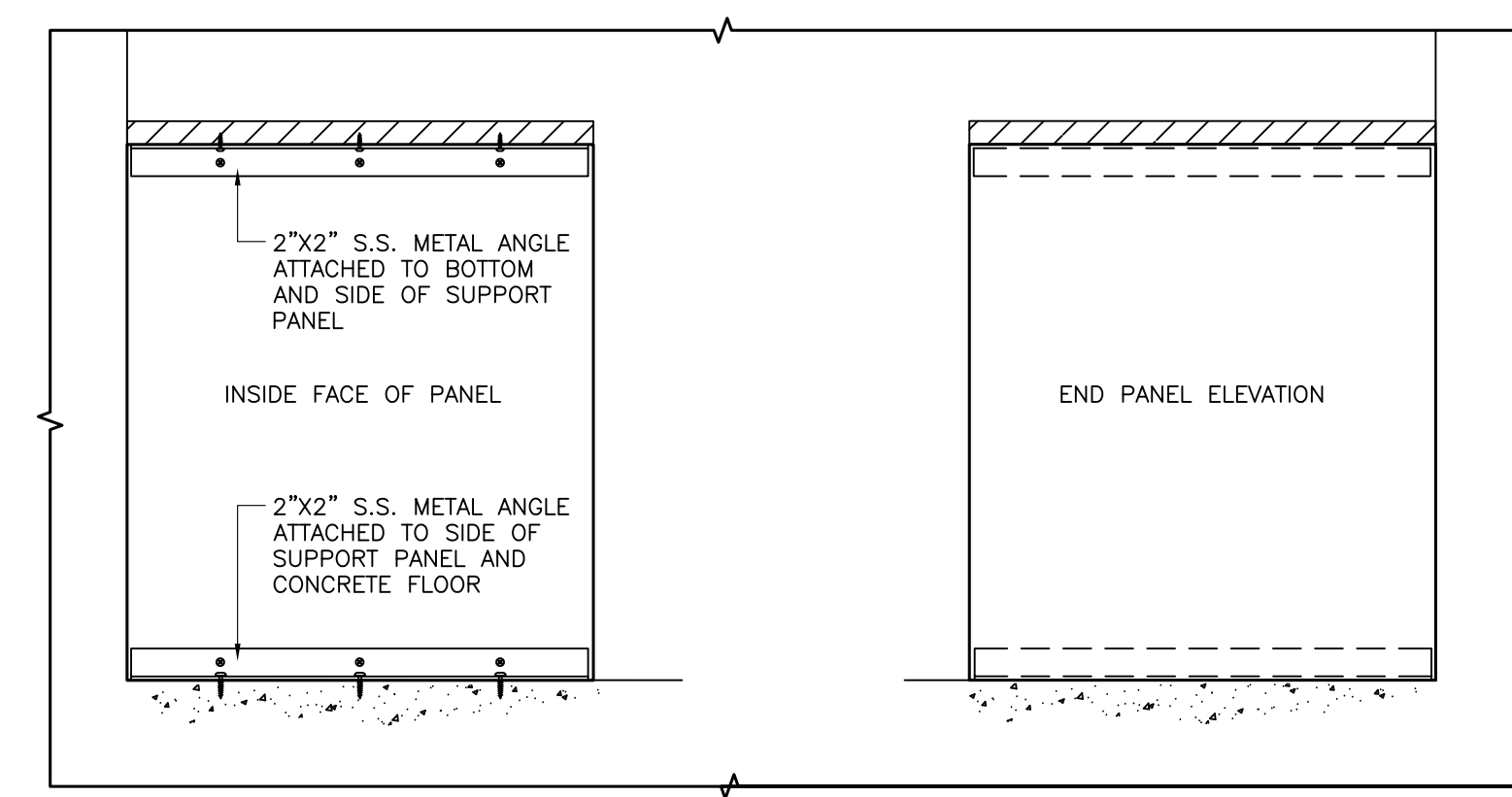
THE CONTRACTOR SHALL SURVEY THE PROJECT SITE AND MAKE PART OF THE BID ALL NECESSARY ITEMS (CEILING TILE AND GRID REPLACEMENT) SUCH THAT AT THE END OF THE PROJECT THE CEILING AREAS ARE COMPLETE WITHOUT OPENINGS OR MISSING CEILING COMPONENTS.



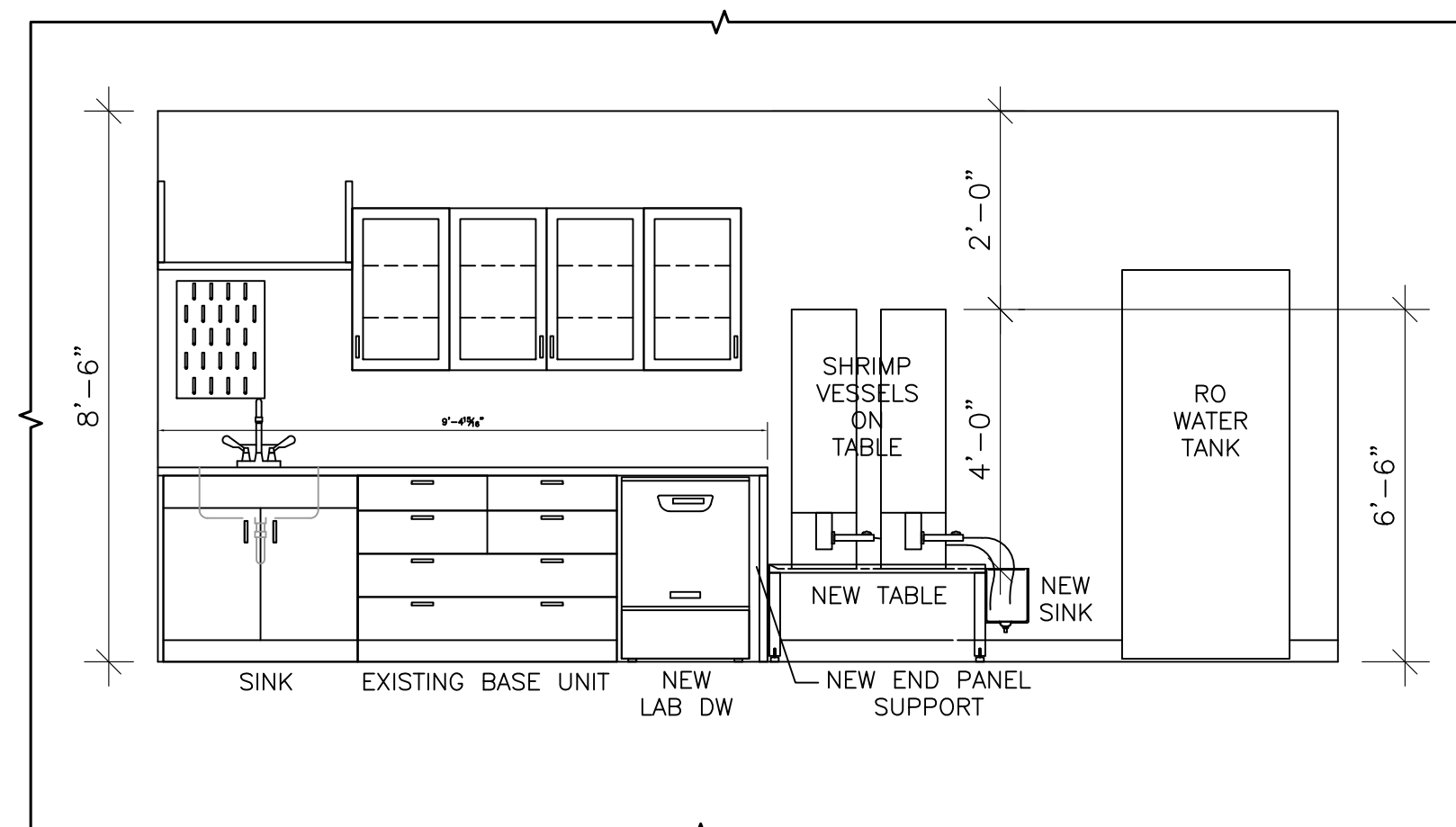
3 EQUIPMENT PLAN
A2 SCALE: 1/4"=1'-0" SHOWN FOR COORDINATION PURPOSES ONLY



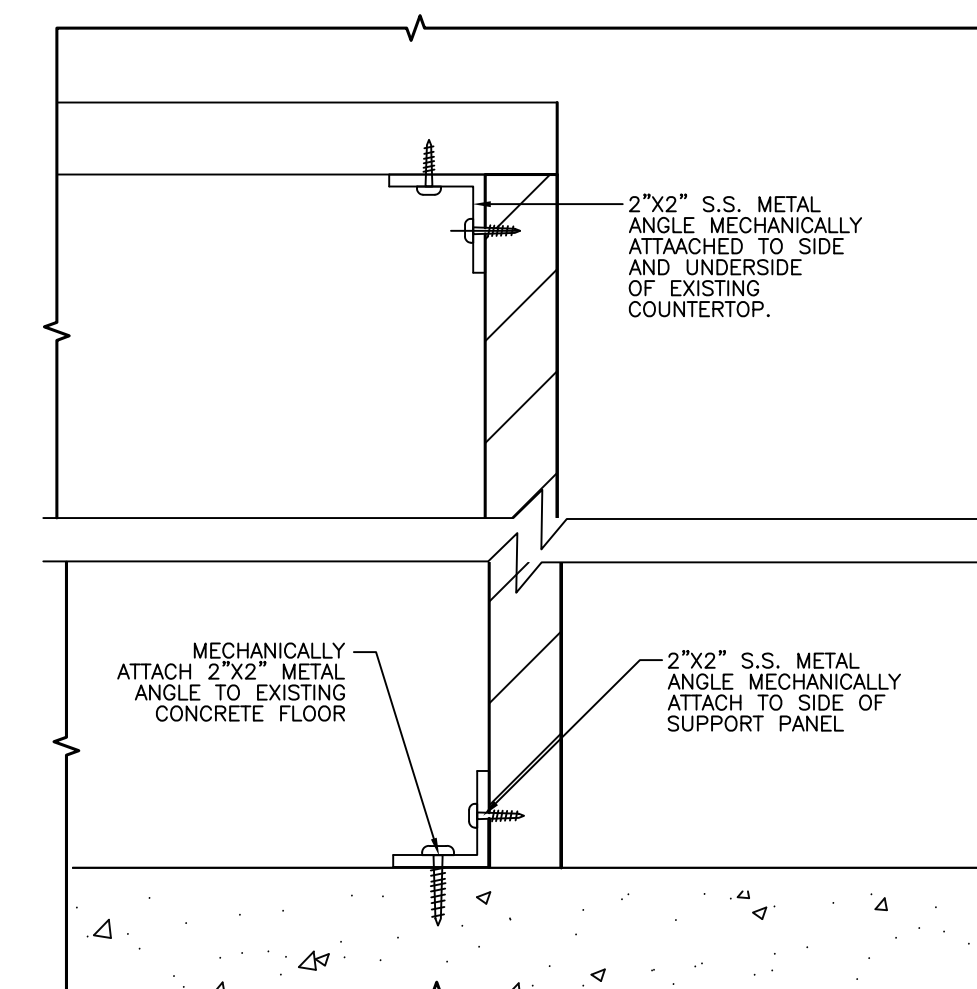
5 ELEVATION SUPPORT PANEL R1241
A2 SCALE: 1"=1'-0"



6 ELEVATION SUPPORT PANEL R1241
A2 SCALE: 1"=1'-0"



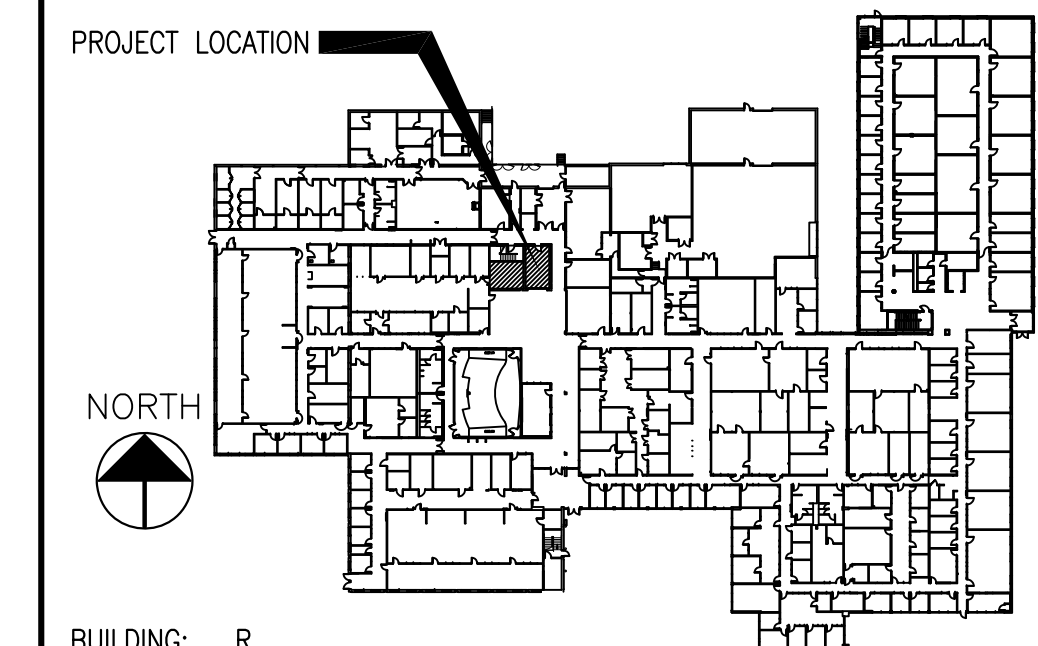
4 ELEVATION ROOM R1241
A2 SCALE: 3/8"=1'-0"



7 END PANEL ATTACHMENT
A2 SCALE: 3"=1'-0"



| NO | SYM | DESCRIPTION | DATE | APP'D |
|-----------|-----|-------------|------|-------|
| REVISIONS | | | | |



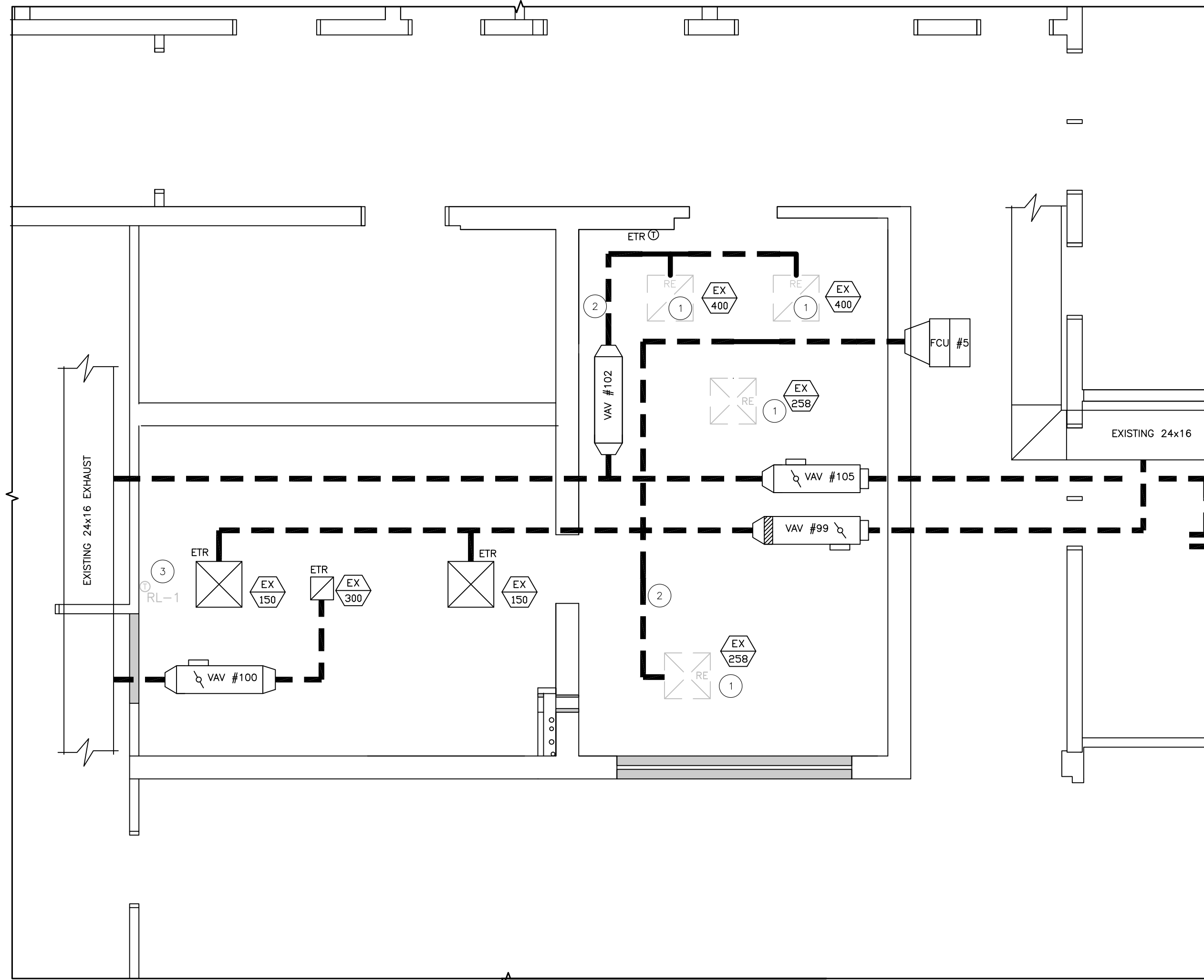
BUILDING: R
FLOOR: 1

UCONN HEALTH CAMPUS PLANNING, DESIGN AND CONSTRUCTION

PROJECT NAME: R1207-R1241 CONVERT TO ZEBRAFISH FACILITY PROJECT NO.: 19-047

DRAWING TITLE: CEILING DEMOLITION & CONSTRUCTION DRAWING NO.: A2

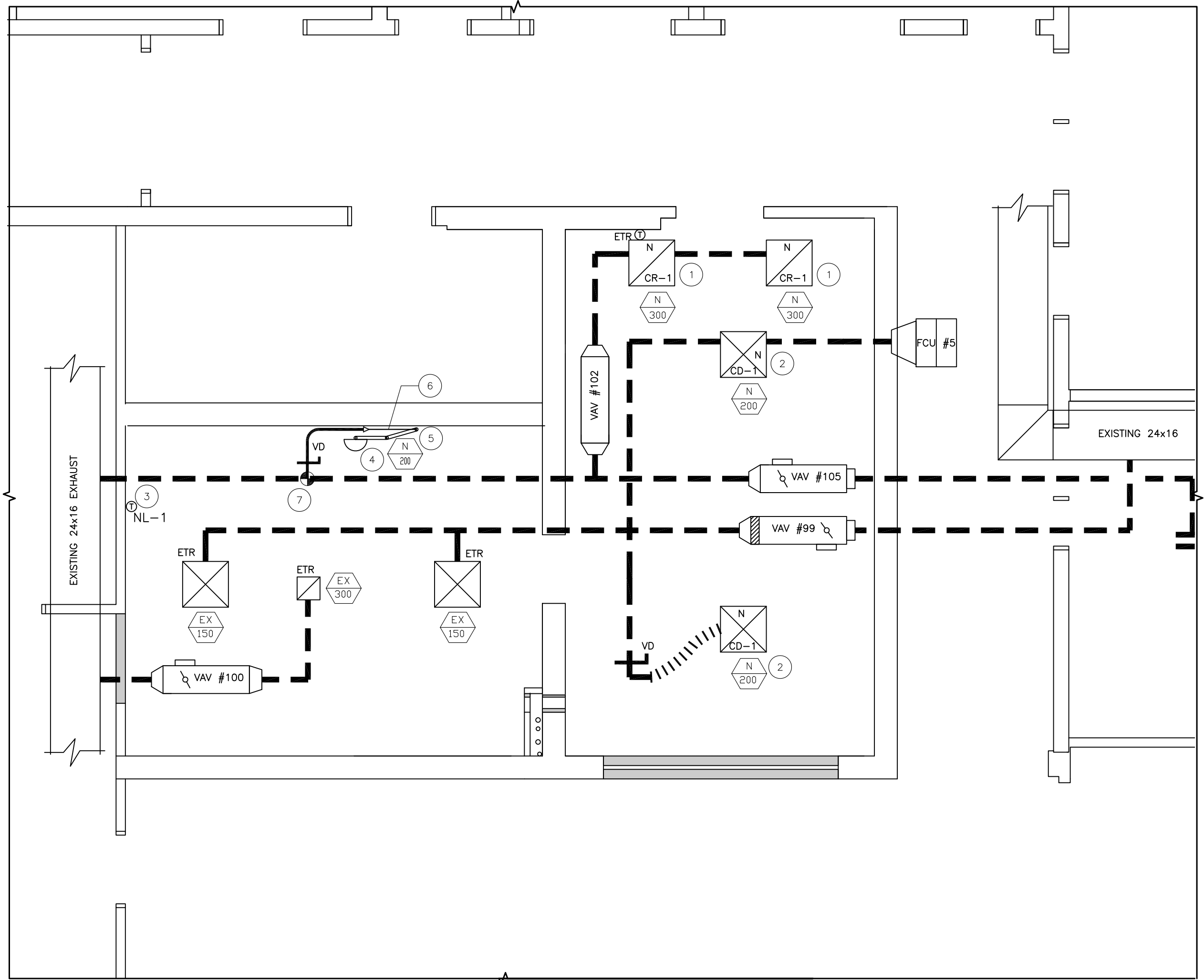
SCALE: 1/4"=1'-0" CHECKED BY: CM PROJECT MGR: JH ISSUE DATE: 3/6/20



1 HVAC DEMOLITION
M1 SCALE: 1/4"=1'-0"

SCHEDULE OF ITEMS

- 1 REMOVE EXISTING HVAC SUPPLY AND RETURN DIFFUSERS VERTICAL DUCTWORK DOWN TO DIFFUSERS.
- 2 EXISTING DUCTWORK TO REMAIN.
- 3 RELOCATE EXISTING THERMOSTAT TO NEW LOCATION.



2 HVAC CONSTRUCTION
M1 SCALE: 1/4"=1'-0"

SCHEDULE OF ITEMS

- 1 INSTALL NEW EXHAUST DIFFUSERS AND CONNECT WITH NEW COLLAR, FLEXDUCT AND VOLUME DAMPER TO EXISTING DUCTWORK. SEE DIFFUSERS AND GRILLES FOR TYPE.
- 2 INSTALL NEW SUPPLY AIR DIFFUSERS AND CONNECT WITH NEW COLLAR, FLEXDUCT AND VOLUME DAMPER TO EXISTING DUCTWORK. SEE DIFFUSERS AND GRILLES FOR TYPE.
- 3 REINSTALL EXISTING THERMOSTAT IN NEW LOCATION.
- 4 INSTALL OWNER SUPPLIED FLEXIBLE EXTRACTION ARM AND SET EXHAUST CFM TO 150-200 CFM. EXTRACTION ARM BY ALSIDENT MANUFACTURING, MODEL #100-1040.
- 5 4" VERTICAL METAL DUCTWORK THROUGH CEILING W/FINISH COLLAR.
- 6 8" TO 4" METAL DUCTWORK.
- 7 CONNECT NEW 8" METAL DUCTWORK W/VOLUME DAMPER TO EXISTING EXHAUSTER DUCTWORK.

DIFFUSERS AND GRILLES

- GD-1 CEILING DIFFUSERS (NEW)**
TITUS MODEL 10X
 - MODEL AG-95 OPPOSED BLADE DAMPER
 - BORDER TYPE 3 (LAY-IN)
 - #26 WHITE**CR-1 CEILING RETURN GRILLES (NEW)**
TITUS MODEL 23RS
NO DAMPER
 - FLANGED BORDER
 - #26 WHITE

HVAC LEGEND

REFER TO DRAWINGS FOR ACTION REQUIRED

| SYMBOL | DESCRIPTION |
|--------|---|
| | EXISTING HVAC ITEMS TO BE REMOVED |
| | EXISTING DUCTWORK TO REMAIN |
| | NEW DUCTWORK (SIZE AS SHOWN) |
| | SUPPLY DIFFUSER |
| | RETURN REGISTER |
| | LINEAR SLOT DIFFUSER |
| | DIFFUSER / REGISTER TYPE (EX-EXISTING TO REMAIN, NL-NEW LOCATION OF EXISTING TO BE RELOCATED) |
| | EXISTING CFM RATE (FROM PREVIOUS PROJECT) TO REMAIN. |
| | DIFFUSER / REGISTER TYPE (EX-EXISTING TO REMAIN, NL-NEW LOCATION OF EXISTING TO BE RELOCATED) |
| | CORRESPONDING IDENTIFIER OF DIFFUSER TO BE RELOCATED (RL) |
| | NEW ADJUSTED CFM RATE AS PART OF THIS PROJECT |
| | EXISTING CFM RATE (FROM PREVIOUS PROJECT). |
| | VOLUME DAMPER |
| | DUCT CONNECTION |
| | THERMOSTAT - EXISTING TO REMAIN UNLESS OTHERWISE NOTED |

ABBREVIATIONS

| | |
|-----|-----------------------|
| ETR | EXISTING TO REMAIN |
| RE | REMOVE EXISTING |
| RL | RELOCATE |
| NL | NEW LOCATION |
| CFM | CUBIC FEET PER MINUTE |

HVAC NOTES

GENERAL
COORDINATE THIS DRAWING WITH OTHER PROJECT DRAWINGS AND PROJECT NOTES. THE INFORMATION CONTAINED ON THESE DRAWINGS SHALL BE USED FOR INTENT ONLY TO ILLUSTRATE AND DESCRIBE THE SCOPE OF WORK REQUIRED. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND SIZES SHOWN.

R1207 HVAC SYSTEM DESIGN CRITERIA
THE EXISTING HVAC SYSTEM SERVING ROOM R1207 PROVIDES 516 CFM OF SUPPLY AIR AT A RATE OF 11 ACH AND 800 CFM OF EXHAUST AIR FOR A TOTAL NEGATIVE PRESSURE OF 268 CFM.
THE PROPOSED MODIFICATIONS SHALL REDUCE THE ACH AS FOLLOWS:

$$NF = \frac{CFM \times 60}{VOLUME}$$
 NEW CFM QUANTITY = 400 CFM
 ROOM VOLUME = 2,745 CU FT (3055F X 9'HT)

$$\frac{400 \times 60}{2,745} = 8.7 \text{ ACH}^*$$
 *ACH/HR IS ABOVE MINIMUM DESIGN RATE OF 8 ACH

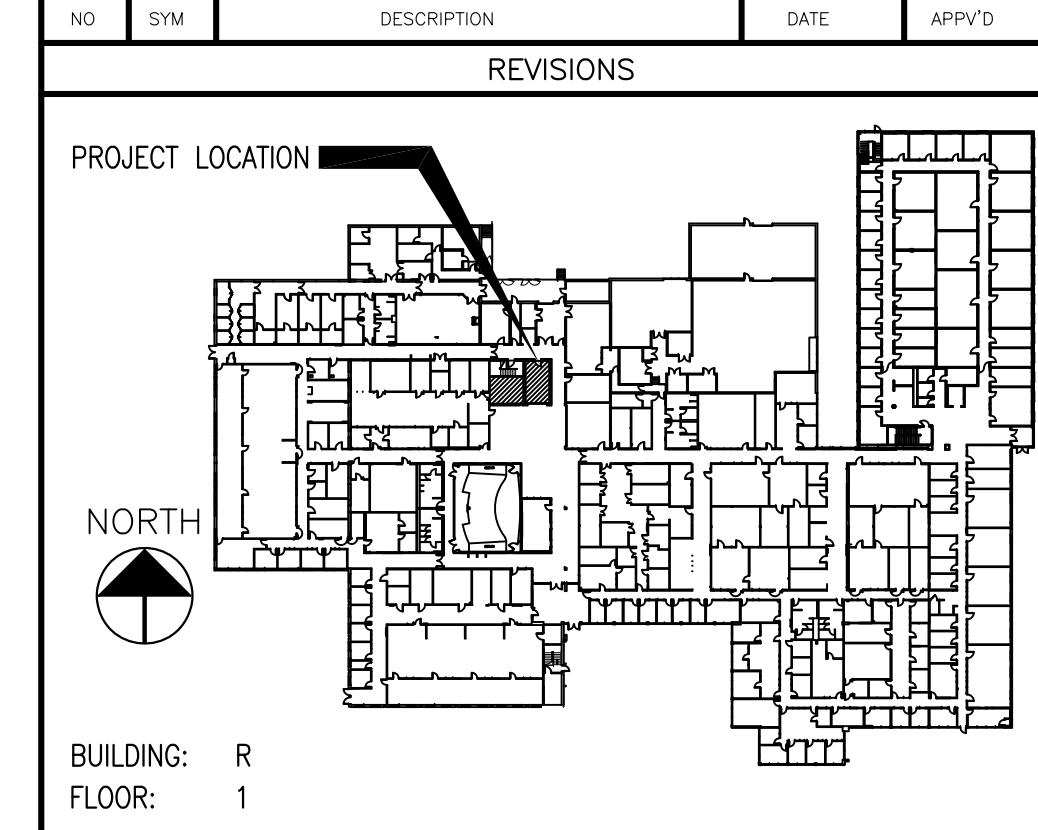
RE-BALANCE AREA SUPPLY AIR SERVED BY FAN COIL UNIT FC-5 TO (2) DIFFUSERS AT 200 CFM EACH AS SHOWN ON THE DRAWINGS.
 RE-BALANCE AREA EXHAUST AIR SERVED BY VAV-102 TO (2) REGISTERS AT 300 CFM EACH AS SHOWN ON THE DRAWINGS FOR A TOTAL OF NEGATIVE PRESSURE OF 200 CFM.

R1241 HVAC SYSTEM DESIGN CRITERIA
THE EXISTING HVAC SYSTEM SERVING ROOM R1241 PROVIDES 300 CFM OF SUPPLY AIR AT A RATE OF 8 ACH AND 300 CFM OF EXHAUST AIR TO PROVIDE A BALANCED ROOM PRESSURE. BASED ON THE COMPUTATION BELOW, THE CFM'S FOR THIS SHALL NOT BE MODIFIED.
 THE EXISTING ROOM SYSTEM ACH COMPUTES AS FOLLOWS:

$$NF = \frac{CFM \times 60}{VOLUME}$$
 CFM QUANTITY = 300 CFM
 ROOM VOLUME = 2,235 CU FT (2635F X 8.5'HT)

$$\frac{300 \times 60}{2,235} = 8.05 \text{ ACH}^*$$
 *ACH/HR IS ABOVE MINIMUM DESIGN RATE OF 8 ACH

| NO. | SYM. | DESCRIPTION | DATE | APP'D |
|-----------|------|-------------|------|-------|
| REVISIONS | | | | |



UCONN HEALTH CAMPUS PLANNING, DESIGN AND CONSTRUCTION

| | |
|---|-----------------------|
| PROJECT NAME R1207-R1241 CONVERT TO ZEBRAFISH FACILITY | PROJECT NO. 19-047 |
| DRAWING TITLE HVAC DEMOLITION & CONSTRUCTION | DRAWING NO. M1 |
| SCALE 1/4"=1'-0" | CHECKED BY CM |
| PROJECT MGR. JH | ISSUE DATE 3/6/20 |

EXISTING SPRINKLER SYSTEM

FIRE SUPPRESSION LEGEND

REFER TO DRAWINGS FOR ACTION REQUIRED

| SYMBOL | DESCRIPTION |
|--------|-------------------------------------|
| ○ EX | SPRINKLER HEAD (EXISTING TO REMAIN) |
| ○ RE | SPRINKLER HEAD (REMOVE) |
| ● N | SPRINKLER HEAD (NEW) |

FIRE SUPPRESSION SYSTEM NOTES

GENERAL
 COORDINATE THIS DRAWING WITH OTHER PROJECT DRAWINGS AND PROJECT NOTES.
 ALL NEW WORK SHALL BE PERFORMED, INSPECTED AND TESTED IN ACCORDANCE WITH LATEST PROVISIONS OF NFPA-13, 2002 EDITION.
 ALL PIPING SHALL BE INSTALLED CLEAN AND DRY.

FIRE SUPPRESSION WORK PARAMETERS

SPRINKLER SYSTEMS
 THE CONTRACTOR SHALL FILE A FM GLOBAL RED TAG PERMIT TO REPORT ALL CLOSURES AND IMPAIRMENTS TO THE BUILDING OR AREAS FIRE PROTECTION SYSTEM INCLUDING BUT NOT LIMITED TO: CLOSURES OF SPRINKLER CONTROL VALVES, IMPAIRMENTS TO THE FIRE PUMPS AND OTHER FIRE PROTECTION SYSTEMS. ACCESS THE APPLICATION WEB PAGE AT <http://www.fmglobal.com/redtag>.

SPRINKLER SYSTEMS MAY BE IMPAIRED, EITHER IN WHOLE OR IN PART, BUT NO MORE THAN NECESSARY FOR THE REQUIRED WORK AND ONLY FOR WORK ON THE SPRINKLER SYSTEM. THIS MAY BE FOR NO MORE THAN ONE PERIOD OF TIME AND NO LONGER THAN 4 HOURS IN ANY DAY. SHOULD THE SPRINKLER SYSTEM BE IMPAIRED FOR A PERIOD OF TIME LONGER THAN THAT INDICATED, THE CONTRACTOR SHALL ARRANGE IN ACCORDANCE WITH THE CONNECTICUT FIRE SAFETY CODE A FIRE WATCH WITH UNIVERSITY OF CONNECTICUT FIRE DEPARTMENT. THE RELATED EXPENSE FOR ALL REQUIRED FIRE WATCHES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

THE FIRE ALARM SYSTEM MUST REMAIN FULLY FUNCTIONAL DURING THE PERIOD OF ANY SPRINKLER IMPAIRMENT EXCEPT FOR ANY DEVICES THAT MUST ALSO BE IMPAIRED IN ORDER FOR THE WORK TO PROCEED.

HOT WORK IS PROHIBITED IN THE IMPAIRED AREA OF THE BUILDING.

FIRE SUPPRESSION CONSTRUCTION NOTES

THE CONTRACTOR SHALL AS PART OF THIS PROJECT, REMOVE PORTIONS OF THE EXISTING FIRE-SUPPRESSION SYSTEM AND BE RESPONSIBLE FOR REDESIGN AND INSTALLATION OF A NEW COMPLETE AND OPERATIONAL FIRE SUPPRESSION SYSTEM THROUGHOUT THE PROJECT AREA.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL EXISTING CONDITIONS, PREPARE AND SUBMIT ENGINEERED SHOP DRAWINGS TO FM GLOBAL, LOSS PREVENTION CONSULTANT, FOR APPROVAL PRIOR TO PERFORMING ANY WORK. THE CONTRACTOR SHALL SUBMIT COPIES OF FM GLOBAL APPROVED SHOP DRAWINGS, ACCEPTANCE LETTER / APPROVAL LETTER AND PRODUCT LITERATURE TO THE UCHC REPRESENTATIVE.

ALL WORK SHALL BE PERFORMED BY LICENSED SPRINKLER FITTERS.

ALL NEW SPRINKLER PIPING SHALL BE PAINTED TO MATCH THE EXISTING.

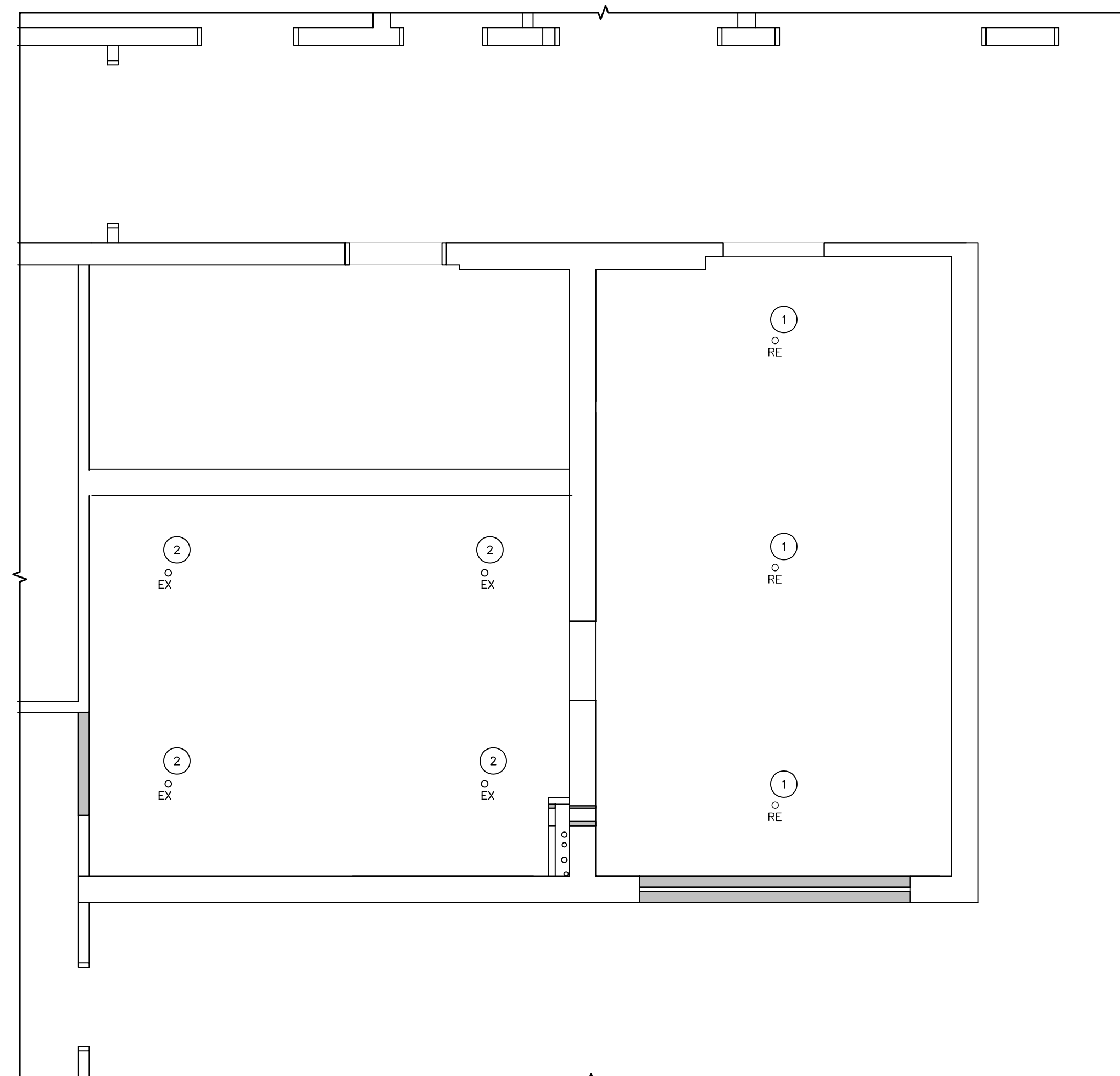
HARD PIPING:
 ALL PIPING SHALL CONSIST OF SCHEDULE 40-BLACK STEEL WITH THREADED FITTINGS, UL & NFPA RATED FOR 175 PSI (TO MATCH EXISTING).

ADJUSTABLE PIPING:
 FLEXIBLE HEAD PIPING SYSTEM SHALL BE FM AND UL APPROVED AS MANUFACTURED BY FLEX HEAD INDUSTRIES.

FLEXIBLE DROP LENGTH SHALL BE DETERMINED IN THE FIELD. (6'-0" MAX. LENGTH).

SPRINKLER HEADS CONCEALED TYPE:
 VIKING, QUICK RESPONSE CONCEALED SPRINKLER HEAD WITH DECORATIVE COVER.

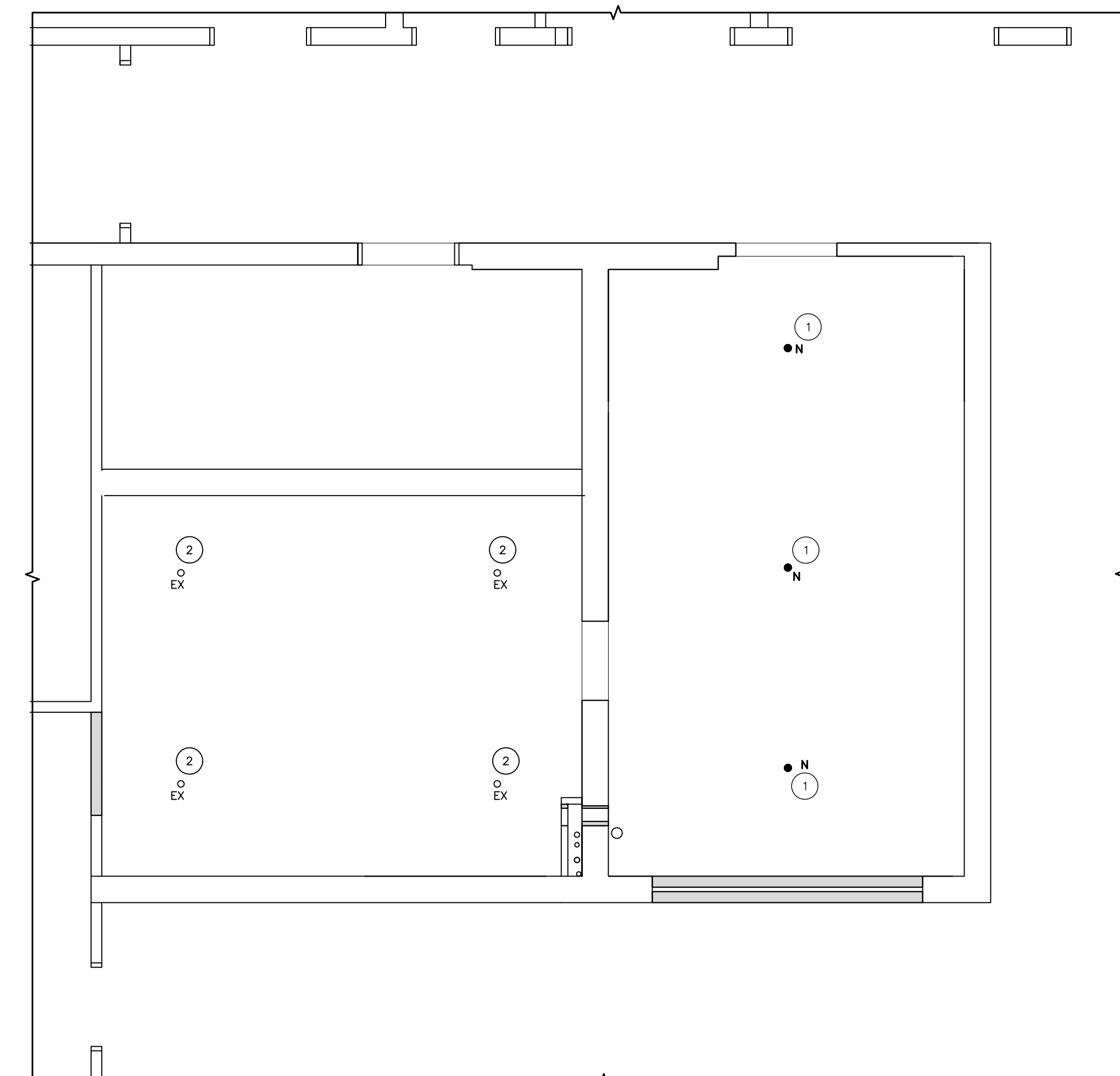
COLOR: WHITE
 NEW HEADS SHALL BE 155 DEGREE HEAT RATED AND K=5.6.



1 FIRE PROTECTION DEMOLITION
 FP1 SCALE: 1/4"=1'-0"

SCHEDULE OF ITEMS

- 1 DRAIN DOWN SPRINKLER SYSTEM, CUT AND REMOVE UP TURNED SPRINKLER PIPING AND SPRINKLER HEADS.
- 2 EXISTING SPRINKLERS TO REMAIN.

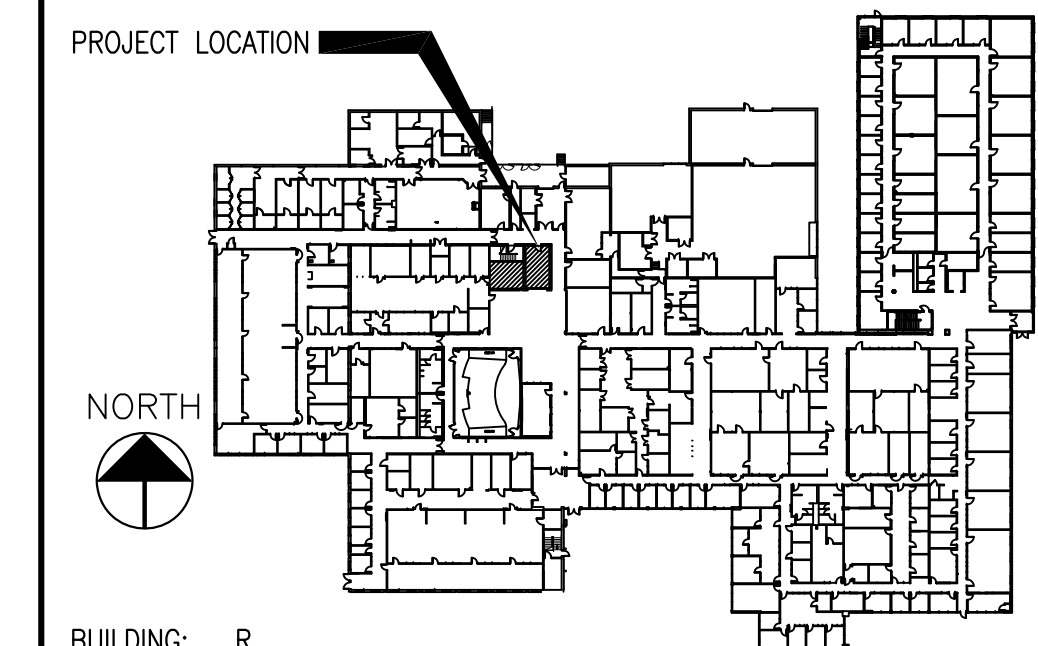


2 FIRE PROTECTION CONSTRUCTION
 FP1 SCALE: 1/4"=1'-0"

SCHEDULE OF ITEMS

- 1 EXTEND EXISTING SPRINKLER PIPING DOWN TO NEW ACOUSTICAL CEILING LEVEL AND INSTALL NEW CONCEALED SPRINKLER HEADS. COVERAGE REMAINS SAME.
- 2 EXISTING SPRINKLERS TO REMAIN.

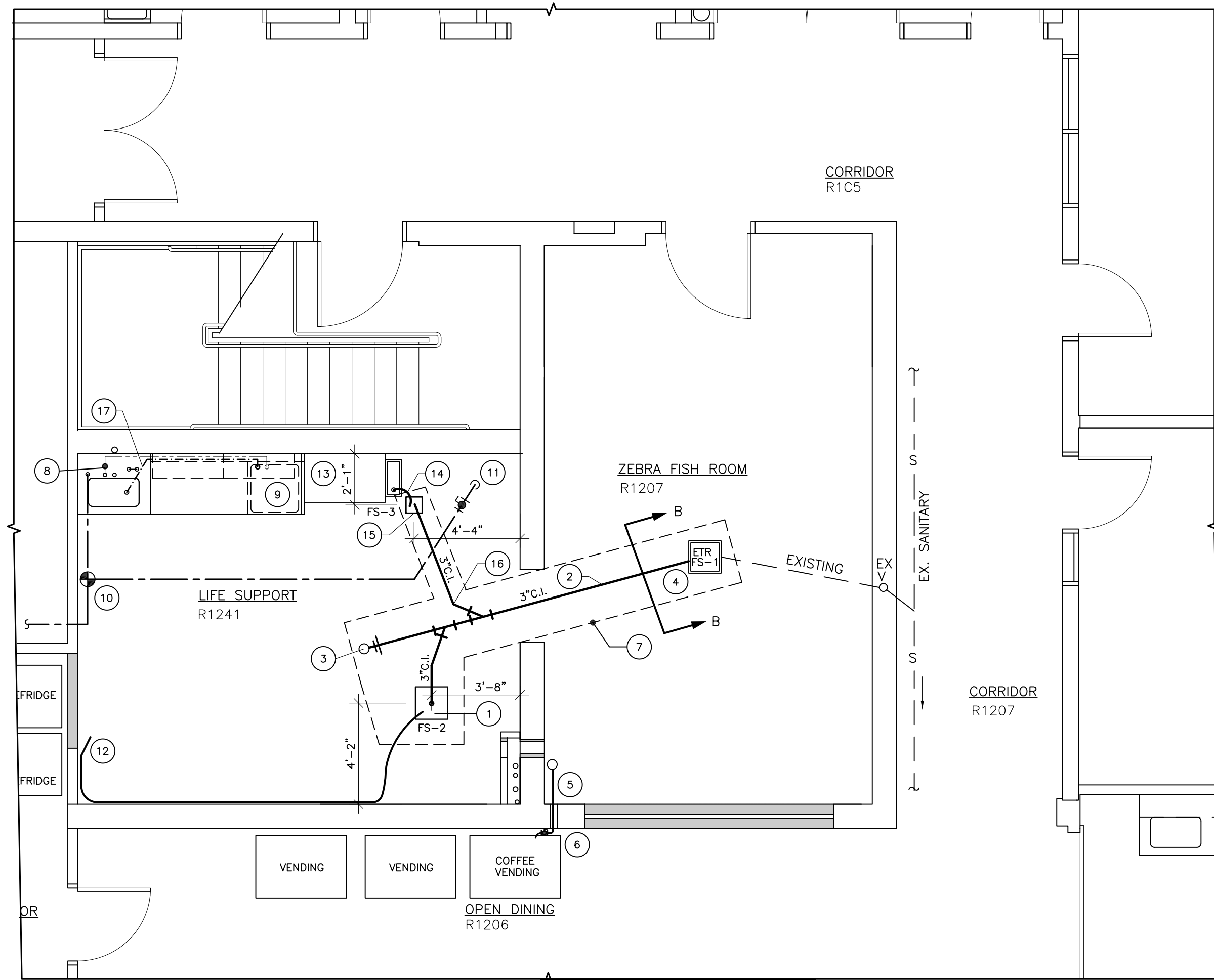
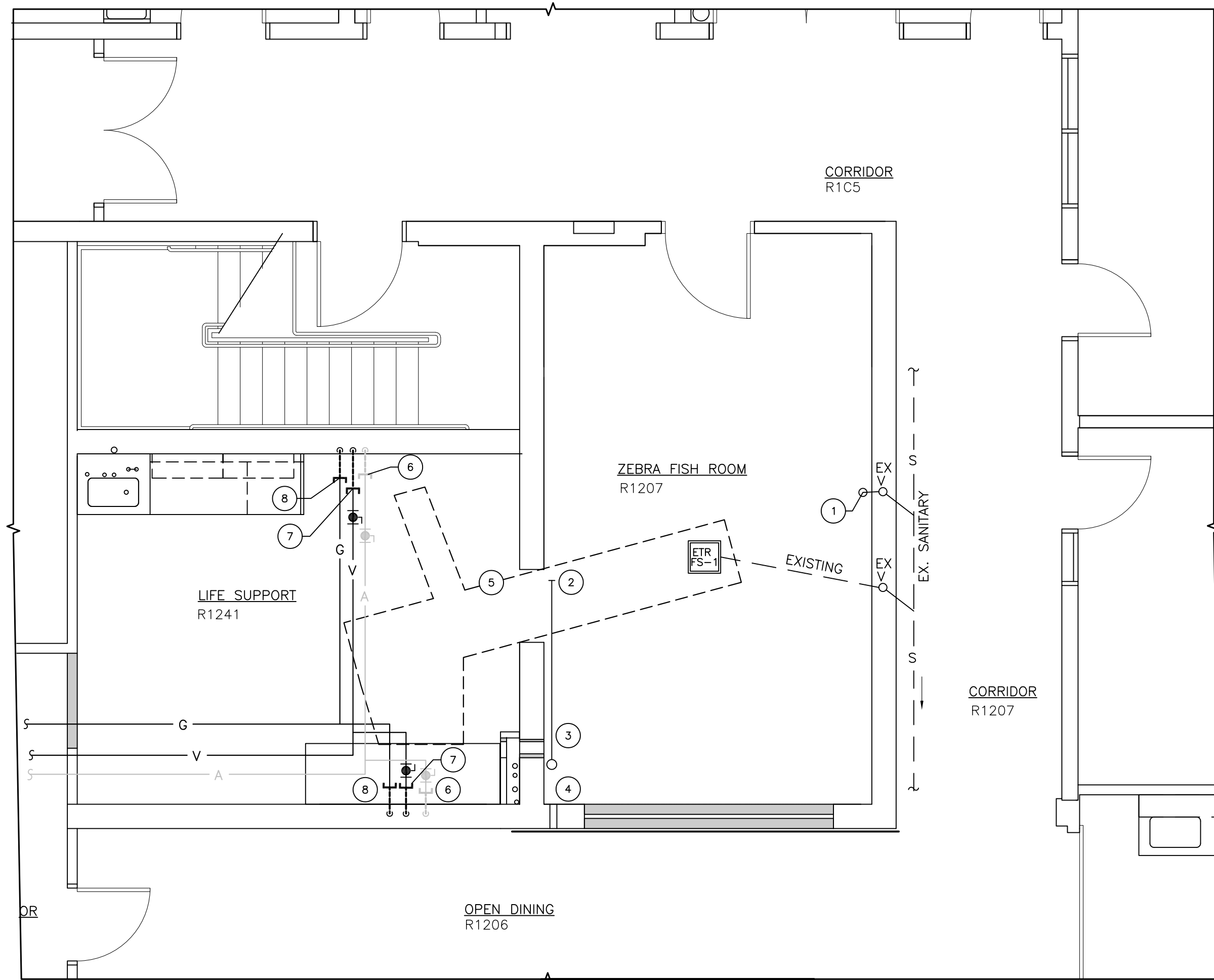
| NO | SYM | DESCRIPTION | DATE | APP'D |
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| REVISIONS | | | | |



UCONN HEALTH CAMPUS PLANNING, DESIGN AND CONSTRUCTION

| | |
|---|-----------------------|
| PROJECT NAME R1207-R1241 CONVERT TO ZEBRAFISH FACILITY | PROJECT NO. 19-047 |
| DRAWING TITLE FIRE PROTECTION DEMO & CONSTRUCTION | DRAWING NO. FP1 |
| SCALE 1/4"=1'-0" | ISSUE DATE 3/6/20 |





PLUMBING LEGEND

REFER TO DRAWINGS FOR ACTION REQUIRED

| | | | |
|---|-----------------|-----|------------------------|
| ⊖ | CLEANOUT | CW | COLD WATER |
| ⊕ | PIPE CONNECTION | ETR | EXISTING TO REMAIN |
| ⊖ | CAPPED PIPE | EX | EXISTING |
| ⊖ | PIPE DOWN | HW | HOT WATER |
| ⊕ | PIPE RISE | REM | EXISTING TO BE REMOVED |
| ⊖ | PIPE DROP | V | VENT |
| ⊖ | BALL VALVE | W | WASTE |

| | | | |
|-----|-----------------------|-----|------------------|
| --- | EXISTING TO REMAIN | --- | REMOVE EXISTING |
| --- | VENT LINE | --- | DRAIN LINE |
| --- | COLD WATER SUPPLY | --- | HOT WATER SUPPLY |
| --- | REVERSE OSMOSIS WATER | | |

PLUMBING NOTES

GENERAL

ALL NEW WORK SHALL BE PERFORMED, INSPECTED AND TESTED IN ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND STANDARDS.

ALL COLD AND HOT WATER SUPPLY PIPING SHALL BE COPPER K-TYPE, HARD DRAWN, WITH WROUGHT COPPER SOLDERED FITTINGS.

PIPING (HOT AND COLD) SHALL BE INSULATED WITH CONTINUOUS BARRIER OF 1" THICK INSULATING WRAP.

ALL PIPING SHALL BE INSTALLED CLEAN AND DRY.

WASTE AND VENT PIPING SHALL BE SCHEDULE 40 ACID RESISTANT PVC WITH SOCKET FITTINGS, SOLVENT WELDED.

HANGERS SHALL BE GRINNEL MODEL 65 OR CT-65 FOR COPPER PIPING. SPACING SHALL BE AS FOLLOWS:

0" - 3/4" DIA 5 FT MAX.
 1" - 1-1/4" DIA 6 FT MAX.
 1-1/2" - 2-1/2" DIA 10 FT MAX.
 PVC (ALL SIZES) 4 FT MAX.

SHUTOFF VALVES (COPPER BALL VALVES) SHALL BE PROVIDED FOR EACH HOT AND COLD WATER SUPPLY BRANCH PIPING DIRECTLY ABOVE THE FIXTURE IN THE CEILING PRIOR TO THE WALL DROP. IN ADDITION EACH FIXTURE SHALL BE EQUIPPED WITH SHUTOFF VALVES DIRECTLY BELOW THE FIXTURE FOR LOCALIZED SERVICING.

ALL PIPING PASSING THROUGH FLOORS AND OR FULL HEIGHT WALLS, SHALL BE SLEEVED AND FIRE STOPPED WITH A PRE APPROVED UL TESTED ASSEMBLY AS FOLLOWS:

CORRIDOR WALLS 1 HR
 STAIR TOWER WALLS, SHAFTS AND CHASES 2 HR
 THROUGH FLOOR PENETRATIONS 2 HR

COORDINATE THIS DRAWING WITH OTHER PROJECT DRAWINGS AND PROJECT NOTES.

PIPING REMOVAL

WASTE TRAPS:
 ALL REMOVED PLUMBING WASTE TRAPS AND TRAP FLUID MUST BE INSPECTED FOR MERCURY. THE CONTRACTOR SHALL CUT OUT TRAP SECTIONS AND PLACE SECTIONS INCLUDING WASTE FLUIDS INTO A BUCKET. THE UCHC REPRESENTATIVE SHALL NOTIFY THE UCHC OFFICE OF ENVIRONMENTAL HEALTH AND SAFETY THAT MATERIAL IS READY FOR INSPECTION. ONLY THOSE SECTIONS OF PIPING AND FLUIDS REVIEWED AND APPROVED BY THE UCHC OFFICE OF ENVIRONMENTAL HEALTH AND SAFETY MAY BE DISPOSED OF AS CONSTRUCTION DEBRIS.

PLUMBING PIPING:
 WHERE PIPING IS SCHEDULED FOR REMOVAL, REMOVE WASTE, VENT, HOT & COLD WATER TO WITHIN 2 FEET OF NEAREST ACTIVE CONNECTION OR LINE. CAP GAS, VACUUM AND AIR IN WALL.

1 PLUMBING DEMOLITION

- P1** SCALE: 1/4"=1'-0"
- SCHEDULE OF ITEMS**
- CUT AND CAP EXISTING DRAIN FROM STEAM TABLE TANK.
 - DISCONNECT VINYL WATER SUPPLY TO COFFEE VENDING MACHINE.
 - REMOVE EXISTING VINYL WATER SUPPLY LINE.
 - CORE DRILL CONCRETE BLOCK WALL FOR PVC WATER LINE.
 - LIMITS OF FLOOR SLAB REMOVAL FROM DEMOLITION PLAN.
 - CUT AND CAP EXISTING AIR LINE. REMOVE PIPING AND DECK MOUNTED VALVE.
 - CUT AND CAP EXISTING VACUUM LINE. REMOVE PIPING AND DECK MOUNTED VALVE.
 - SHUTDOWN EXISTING GAS LINE. CUT AND CAP EXISTING GAS LINE. REMOVE PIPING AND DECK MOUNTED VALVE.

UTILITY GAS LEGEND

| | | |
|-----------------|--------|-----------------|
| PROPOSED | | EXISTING |
| G | GAS | G |
| V | VACUUM | V |
| A | AIR | A |

UTILITY GAS PIPING NOTES

GENERAL

IT IS NOT THE INTENT OF THE CONTRACT DOCUMENTS TO SHOW ALL EXISTING CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS APPLICABLE TO THIS PROJECT, AND SHALL INCLUDE ALL REQUIREMENTS NECESSARY FOR THE COMPLETION OF THE WORK, BASED ON THE EXISTING CONDITIONS. THE UCHC REPRESENTATIVE SHALL RESERVE THE RIGHT TO HAVE ANY ITEM SCHEDULED FOR REMOVAL TURNED OVER TO THE AGENCY. THE CONTRACTOR SHALL REVIEW THESE ITEMS WITH THE UCHC REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF THE WORK. THE CONTRACTOR SHALL DISPOSE OF ITEMS DEEMED NOT NEEDED. IT IS THE INTENT FOR ITEMS SCHEDULED FOR REMOVAL THAT THE ITEM BE REMOVED IN ITS ENTIRETY UNLESS NOTED OTHERWISE.

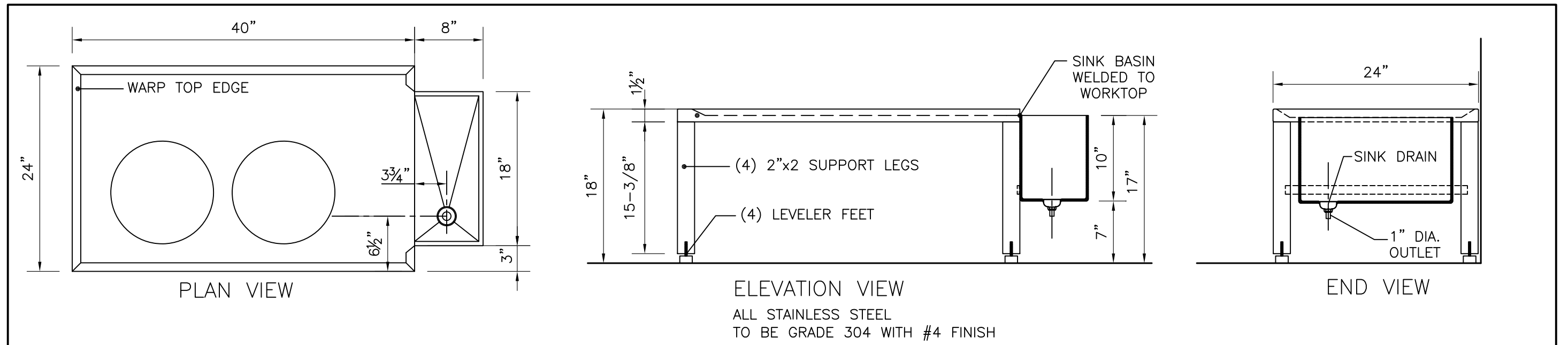
COORDINATE THIS DRAWING WITH OTHER PROJECT DRAWINGS AND PROJECT NOTES.

ALL NEW WORK (PIPING, VALVES AND OUTLETS) SHALL BE PERFORMED, INSPECTED AND TESTED IN ACCORDANCE WITH LATEST PROVISIONS OF NFPA-99.

ALL PIPING SHALL BE INSTALLED CLEAN AND DRY.

FLOOR SINK SCHEDULE

| |
|--|
| FS-1 EXISTING SINK R1207 RESET EXISTING FLOOR DRAIN TO BE FLUSH WITH NEW CONCRETE SURFACE |
| FS-2 NEW FLOOR SINK R1241 WADE SANITARY FLOOR SINK MODEL 9170 16" SQUARE A.R.C. GRATE |
| FS-3 NEW FLOOR SINK R1241 9110 8"x8"x6" FLOOR SINK WITH SQUARE ADJUSTABLE TOP - TRACTOR GRATE |

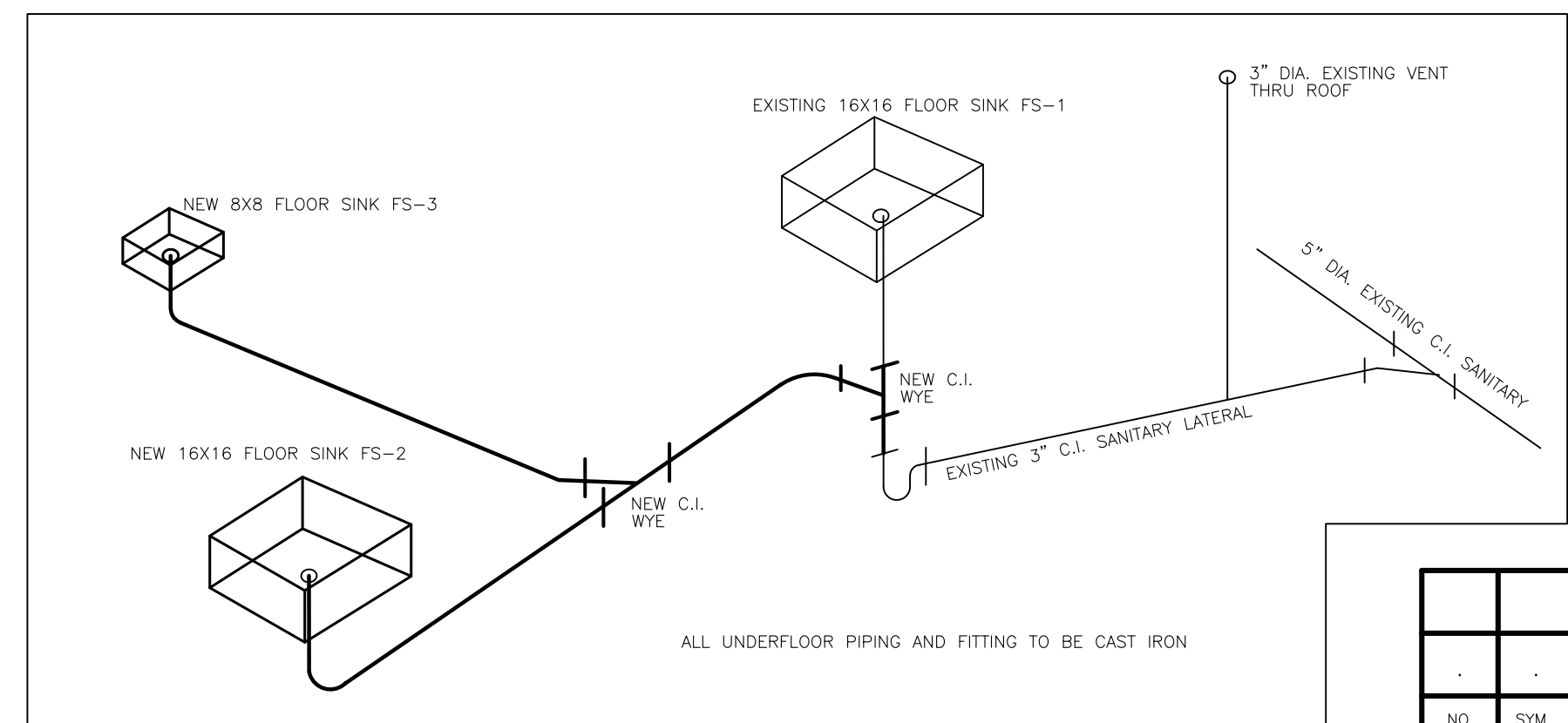


A STAINLESS STEEL SINK DETAILS

P1 SCALE: 1"=1'-0"

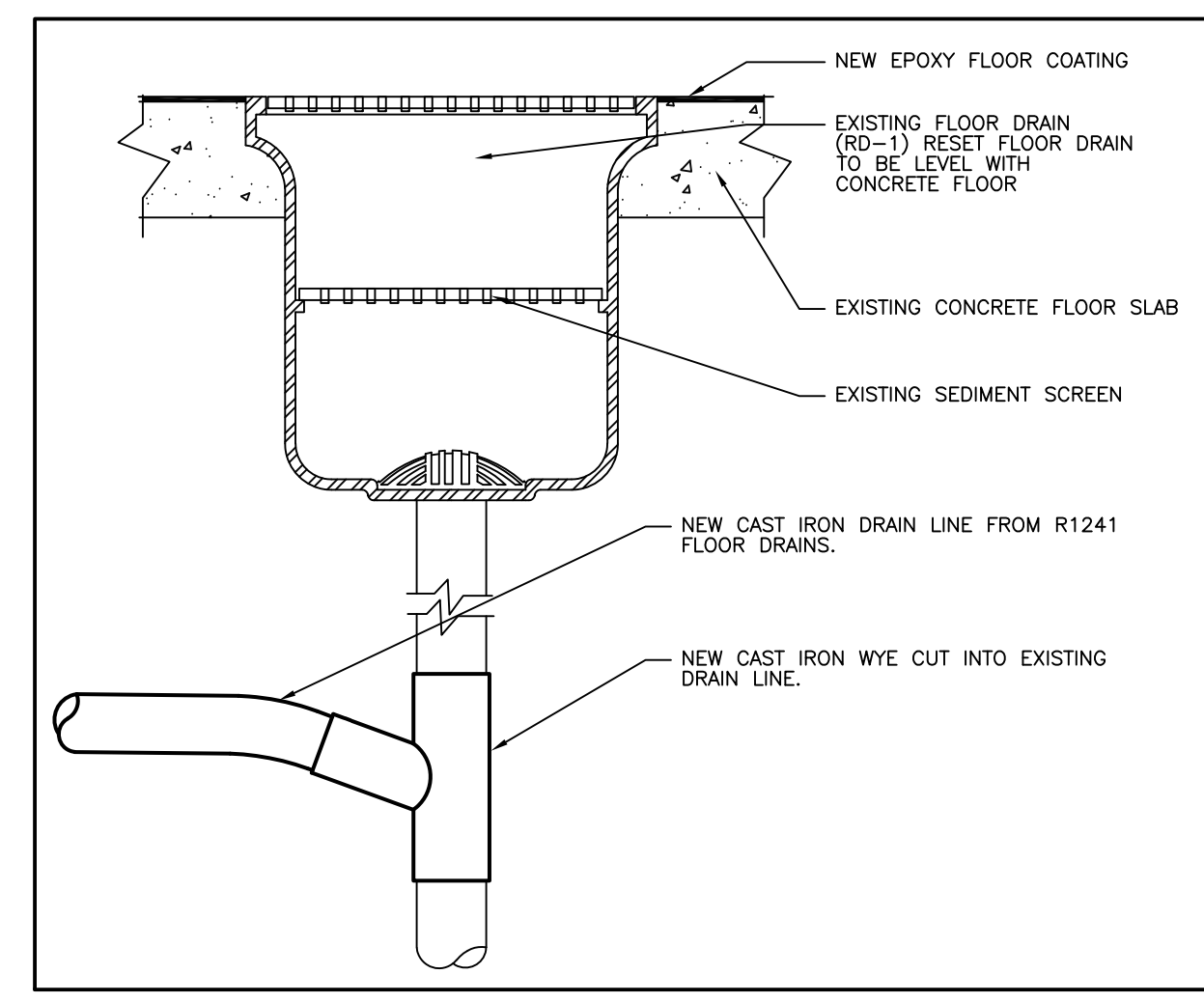
2 PLUMBING CONSTRUCTION

- P1** SCALE: 1/4"=1'-0"
- SCHEDULE OF ITEMS**
- INSTALL NEW FLOOR SINK. SEE FLOOR SINK SCHEDULE.
 - INSTALL NEW 3" PVC DRAIN LINE FROM FLOOR DRAIN TO EXISTING FLOOR LINE.
 - CLEAN OUT ACCESS COVER AT FLOOR LEVEL.
 - TAP INTO EXISTING FLOOR DRAIN LINE AND CONNECT NEW DRAIN LINE USING MISSION CLAMP WYE CONNECTION.
 - EXTEND NEW PVC WATER SUPPLY LINE THROUGH CONCRETE BLOCK WALL.
 - INSTALL SHUTOFF VALVE ON PVC WATER LINE AND INSTALL NEW VINYL FLEX LINE AND CONNECT TO EXISTING COFFEE VENDING MACHINE. SEAL OPENING BOTH SIDES.
 - INSTALL AND COMPACT SELECT FILL AND RESTORE CONCRETE FLOOR SLAB.
 - CUT INTO HOT WATER SUPPLY LINE AND EXTEND TO NEW DISHWASHER USING EXISTING UTILITY CHASE.
 - FURNISH AND INSTALL NEW UNDERCOUNTER DISHWASHER. MIELE MODEL PG 8405 (AD).
 - TAP INTO ABOVE CEILING EXISTING RO WATER LINE AND EXTEND TO 200 GALLON TANK.
 - NEW RO WATER LINE TO VENDOR PROVIDED WATER STORAGE TANK. FINAL CONNECTION BY VENDOR.
 - NEW 3/8" VINYL FLEX LINE FROM QUARANTINE RACK TO NEW FLOOR DRAIN. PLACE LINE CLOSE TO BOTTOM OF WALL.
 - FURNISH AND INSTALL NEW STAINLESS STEEL SINK, 24"x40" Lx10" D. STEEL GRADE TO BE 304 WITH #4 FINISH. ATTACH TO SIDE OF TABLE. SEE DETAILS A/P1.
 - FLEXIBLE DRAIN LINE FROM SINK TO FLOOR DRAIN.
 - INSTALL NEW FLOOR SINK. SEE FLOOR SINK SCHEDULE.
 - NEW 3" DRAIN LINE CONNECTED TO 3" DRAIN LINE.
 - EXTEND DISHWASHER DISCHARGE LINE TO EXISTING SINK DRAIN LINE ROUTE THROUGH EXISTING UTILITY CHASE.



C PLUMBING ISO

P1 SCALE: NTS

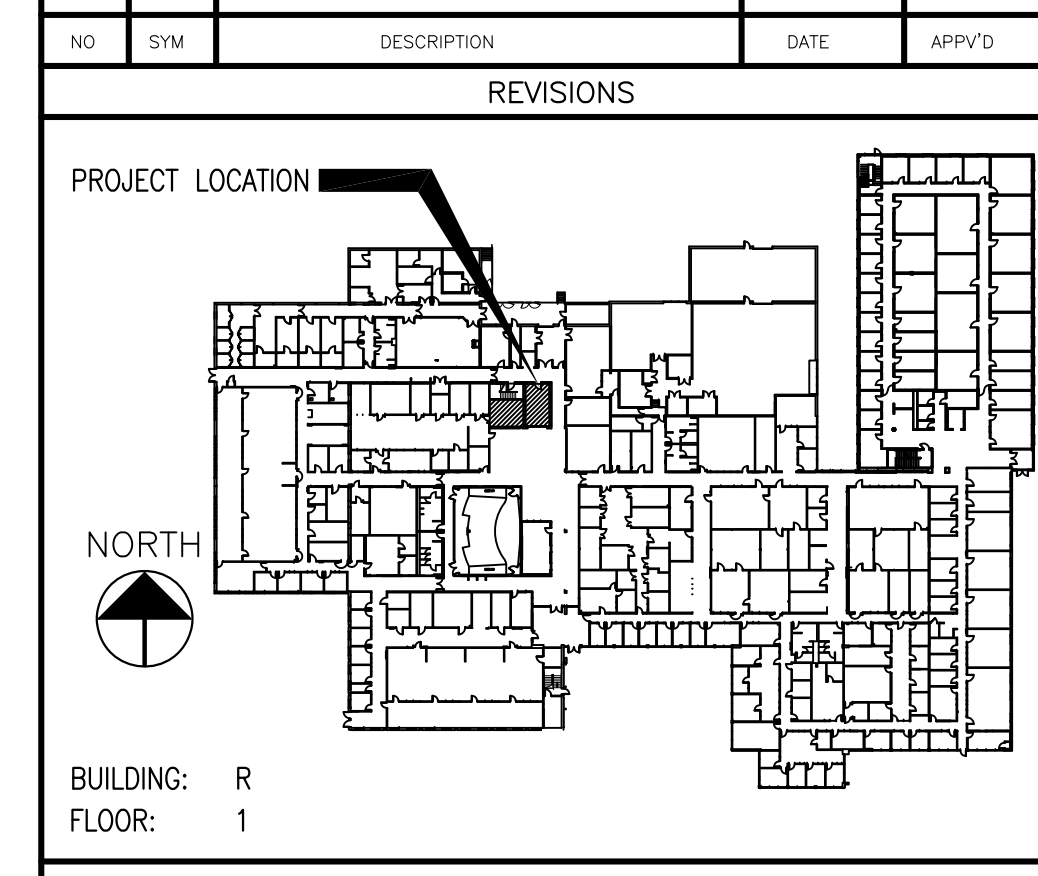


B DRAIN CONNECTION DETAIL

P1 SCALE: NTS



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UCONN HEALTH CAMPUS PLANNING, DESIGN AND CONSTRUCTION

PROJECT NAME: R1207-R1241 CONVERT TO ZEBRAFISH FACILITY
 PROJECT NO.: 19-047

DRAWING TITLE: PLUMBING DEMO & CONSTRUCTION
 DRAWING NO.: P1

SCALE: 1/4"=1'-0" CHECKED BY: CM PROJECT MGR: JH ISSUE DATE: 3/6/20

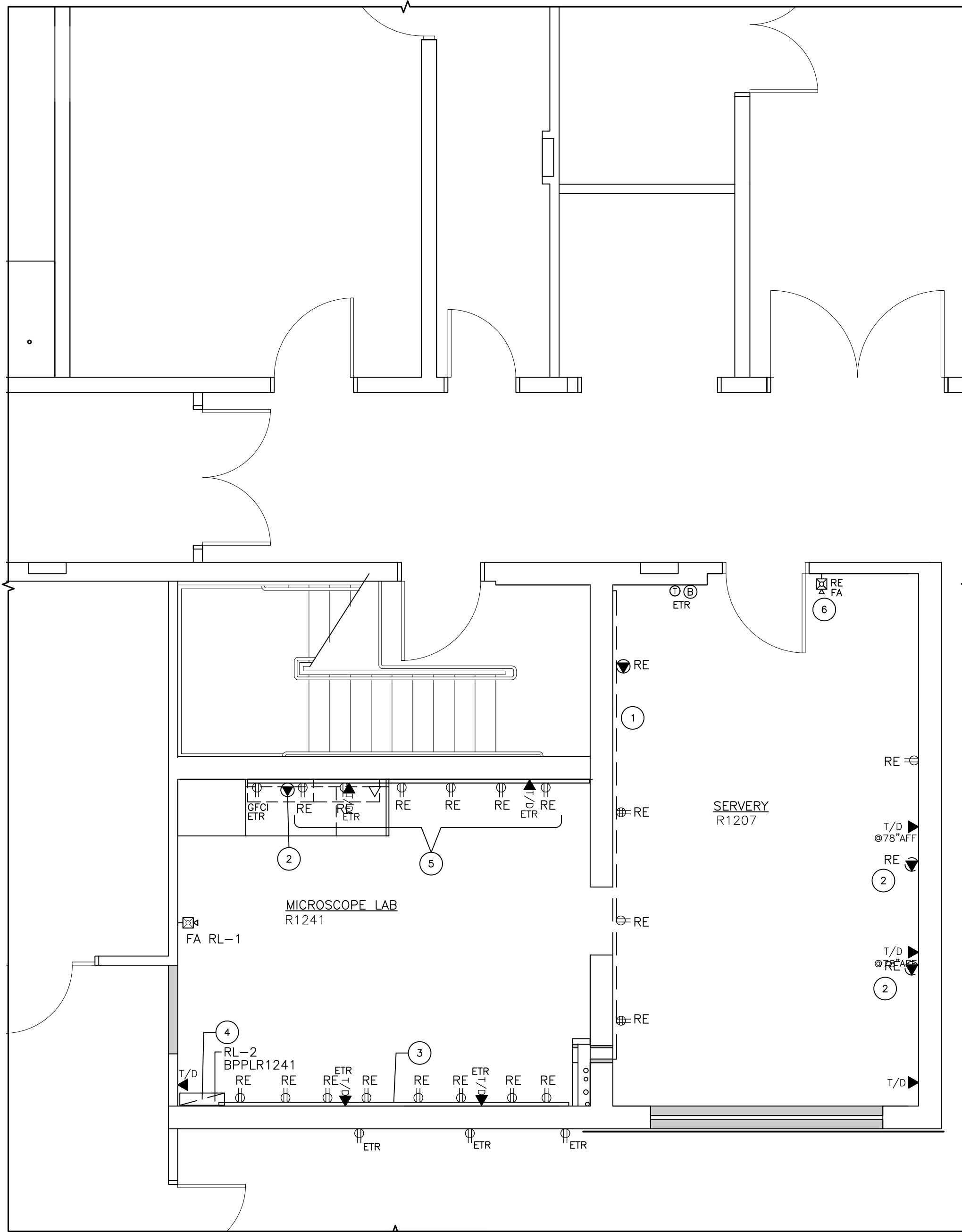
ELECTRICAL LEGEND

SOME OR ALL OF THE FOLLOWING SYMBOLS WILL BE USED FOR THIS PROJECT

| SYMBOL | DESCRIPTION |
|----------------------|--|
| --- | WALL SECTION TO BE REMOVED |
| — | NEW WALL SECTION |
| ■ | BRANCH CIRCUIT PANEL BOARD 480/277V 3-PHASE |
| --- | EXPOSED CONDUIT |
| ⊕ | DUPLEX RECEPTACLE 20A 125V PASS AND SEYMOUR (PT5362A-I) WITH IVORY NYLON WALL PLATE |
| ⊖ | SINGLE RECEPTACLE 20A 125V INDUSTRIAL GRADE. LEVITON CAT. NO. 5361-I WITH IVORY NYLON WALL PLATE |
| ⊕⊖ | DUPLEX RECEPTACLE GROUND FAULT INTERRUPTING TYPE 20A 125V PASS AND SEYMOUR (HOSPITAL PT2095HG-I, GENERAL-PT2095-I) WITH IVORY NYLON WALL PLATE |
| ⊕⊖⊖ | DUPLEX RECEPTACLE 20A 125V ON EMERGENCY POWER PASS AND SEYMOUR (HOSPITAL PT8300L-RED, GENERAL-PT5362A-RED) WITH RED NYLON WALL PLATE |
| ⊕ | SPECIAL PURPOSE RECEPTACLE 208V 30A OR AS NOTED |
| ⊕⊖ | 2-GANG OR QUADRUPLUX RECEPTACLE |
| — | SURFACE RACEWAY TYPE AS NOTED WITH DUPLEX RECEPTACLE |
| — | HORIZONTAL OR VERTICAL SURFACE MOUNTED RACEWAY AND BOX |
| —S | WALL SWITCH SINGLE POLE 20A 120/277V HUBBELL SERIES 1221-I WITH IVORY NYLON WALL PLATE |
| —SS | OCCUPANCY SENSOR SWITCH PASSIVE DUAL TECHNOLOGY MODEL WSD-PDT-VR-1 |
| ⊕ | BLANK COVERED OUTLET |
| ⊖ | DISCONNECT SAFETY SWITCH |
| ⊕ | JUNCTION BOX |
| ⊕ | FIRE ALARM AUDIBLE - VISUAL DEVICE |
| ⊕ | SMOKE DETECTOR |
| ⊕ | HEAT DETECTOR |
| ⊕ | THERMOSTAT |
| ABBREVIATIONS | |
| ETR | EXISTING TO REMAIN |
| RE | REMOVE EXISTING |
| RL | RELOCATE |
| G.F.C.I. | GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE |

ELECTRICAL NOTES

- THE UCHC REPRESENTATIVE SHALL RESERVE THE RIGHT TO HAVE ANY ITEM SCHEDULED FOR REMOVAL TURNED OVER TO THE AGENCY. THE CONTRACTOR SHALL REVIEW THESE ITEMS WITH THE UCHC REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF THE WORK. THE CONTRACTOR SHALL DISPOSE OF ITEMS DEEMED NOT NEEDED. ITEMS SCHEDULED FOR REMOVAL SHALL BE REMOVED IN THEIR ENTIRETY UNLESS NOTED OTHERWISE.
- EXISTING UNUSED CONDUIT SHALL BE REMOVED BACK TO THE NEAREST 8 X 8 OR LARGER JUNCTION BOX, AND WIRING BACK TO ITS SOURCE.
- IT IS NOT THE INTENT OF THE CONTRACT DOCUMENTS TO SHOW ALL EXISTING CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS APPLICABLE TO THIS PROJECT, AND SHALL INCLUDE ALL REQUIREMENTS NECESSARY FOR THE COMPLETION OF THE WORK, BASED ON THE EXISTING CONDITIONS.
- ALL ELECTRICAL WORK SHALL COMPLY WITH ALL LOCAL, STATE OF CONNECTICUT AND NATIONAL ELECTRICAL CODES AND UCHC SPECIFICATIONS.
- MINIMUM SIZE POWER AND LIGHTING WIRING CONDUCTORS SHALL BE #12 AWG STRANDED COPPER WITH THIN-THIN INSULATION RATED 600V.
- RACEWAYS SHALL BE E.M.T. 3/4 INCH MIN SIZE UNLESS NOTED OTHERWISE. RUN CONCEALED. WORK PERFORMED AT 16 MUNSON ROAD MAY BE WIRED WITH GALVANIZED MC, COMMON NEUTRALS SHALL NOT BE USED.
- EACH BRANCH CIRCUIT CONDUCTOR SHALL BE TAGGED WITH A NONFLAMMABLE BRADY TYPE B322 SLEEVE MARKER AT THE PANEL BOARD AND AT EACH DEVICE BOX WITH THE PANELBOARD AND CIRCUIT DESIGNATION. DEVICE PLATES SHALL BE LABELED WITH THE SAME DESIGNATION.
- DIRECTORIES IN ALL AFFECTED PANELS SHALL BE UP-DATED. NEATLY TYPE ALL UPDATED INFORMATION WITH ROOM NUMBER AND USAGE.
- ALL OTHER ELECTRICAL DEVICES, WIRING AND EQUIPMENT SHOWN SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REQUIRED FLOOR CORE BORING AND WALL PENETRATIONS FOR POWER WIRING AND TELECOMMUNICATION CABLES.
- ALL CABLES, CONDUITS AND WIRING WHICH PASS THROUGH FLOORS OR FIRE WALLS SHALL BE SLEEVED AND FIRE STOPPED WITH A FIRE APPROVED UL TESTED ASSEMBLY AS FOLLOWS:
CORRIDOR WALLS 1-HR
STAIR TOWER WALLS, SHAFTS AND CHASES 2-HR
THROUGH FLOOR PENETRATIONS 2-HR
- THE EXACT LOCATION OF DEVICES AND ROUTING OF CONDUITS SHALL BE DETERMINED IN THE FIELD. AT TIME OF INSTALLATION, THE CONTRACTOR SHALL REVIEW FINAL LOCATION WITH UCHC REPRESENTATIVE.
- G.F.C.I. RECEPTACLES SHALL BE RATED 20 AMP AND SHALL NOT CONTROL OTHER RECEPTACLES.
- EMERGENCY SYSTEM WIRING SHALL BE KEPT ENTIRELY INDEPENDENT OF ALL OTHER WIRING AND EQUIPMENT AND SHALL NOT ENTER THE SAME RACEWAY, CABLE, BOX OR CABINET WITH OTHER WIRING.
- LIGHTING FIXTURES IN CEILINGS SHALL BE WIRED WITH FIXTURE WHIPS NOT LONGER THAN 6 FT.
- FIRE ALARM SYSTEMS MAY BE IMPAIRED BY SILENCING OF THE SIGNALS OR DISABLING THE SYSTEM FROM FUNCTIONING FOR NO MORE THAN ONE PERIOD OF TIME OF NO LONGER THAN 4 HOURS IN ANY DAY. AFTER THAT PERIOD OF TIME A UCHC MANNED FIRE WATCH IS REQUIRED. THE RELATED EXPENSE FOR THE FIRE WATCH SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- WHEN THE JOB INCLUDES DISABLING, DISCONNECTING OR ADDING FIRE ALARM COMPONENTS, THE CONTRACTOR SHALL MEET WITH THE UCHC ELECTRICAL ENGINEER AND THE UCHC REPRESENTATIVE BEFORE WORK BEGINS. THIS MEETING SHALL DETERMINE THE EXISTING CONDITION OF THE SYSTEM IN THE AREA AND THE PLAN OF ACTION TO BE TAKEN FOR THE WORK TO BE PERFORMED. THE ELECTRICAL COORDINATOR AND THE UCHC DEPUTY FIRE CHIEF SHALL BE NOTIFIED OF THIS PLAN BY THE UCHC REPRESENTATIVE BY E-MAIL.
- WHEN WORKING IN AN AREA WITH SMOKE DETECTORS, THEY ARE TO BE SEALED AGAINST FOREIGN PARTICLES. THE CONTRACTOR SHALL OBTAIN PERMISSION TO DO THIS FROM THE UCHC DEPUTY FIRE CHIEF AND OBTAIN PERMISSION FROM THE ELECTRICAL COORDINATOR ON THE SEALING METHOD.
- EACH DAY, BEFORE REMOVING OR ADDING ANY FIRE ALARM DEVICES OR WIRING, THE CONTRACTOR SHALL NOTIFY THE ELECTRICAL COORDINATOR, DISPATCH, FIRE DEPARTMENT AND ECL. THIS INCLUDES BLOWERS, DOORS OR OTHER ITEMS TIED TO THE FIRE ALARM SYSTEM.
- ELECTRICAL ITEMS SUCH AS: FLUORESCENT BULBS, THERMOSTATS, AND OR ANY ELECTRICAL OR ELECTRONIC EQUIPMENT SUCH AS TRANSFORMERS, COMPUTERS, SPEED DRIVES, CONTROL PANELS, ETC THAT CONTAIN OIL OR CIRCUIT BOARDS SHALL BE SEGREGATED FROM OTHER CONSTRUCTION DEBRIS AND DISPOSED OF IN ACCORDANCE WITH THE REQUIREMENTS OF THE UCHC OFFICE OF RESEARCH SAFETY (X2723).

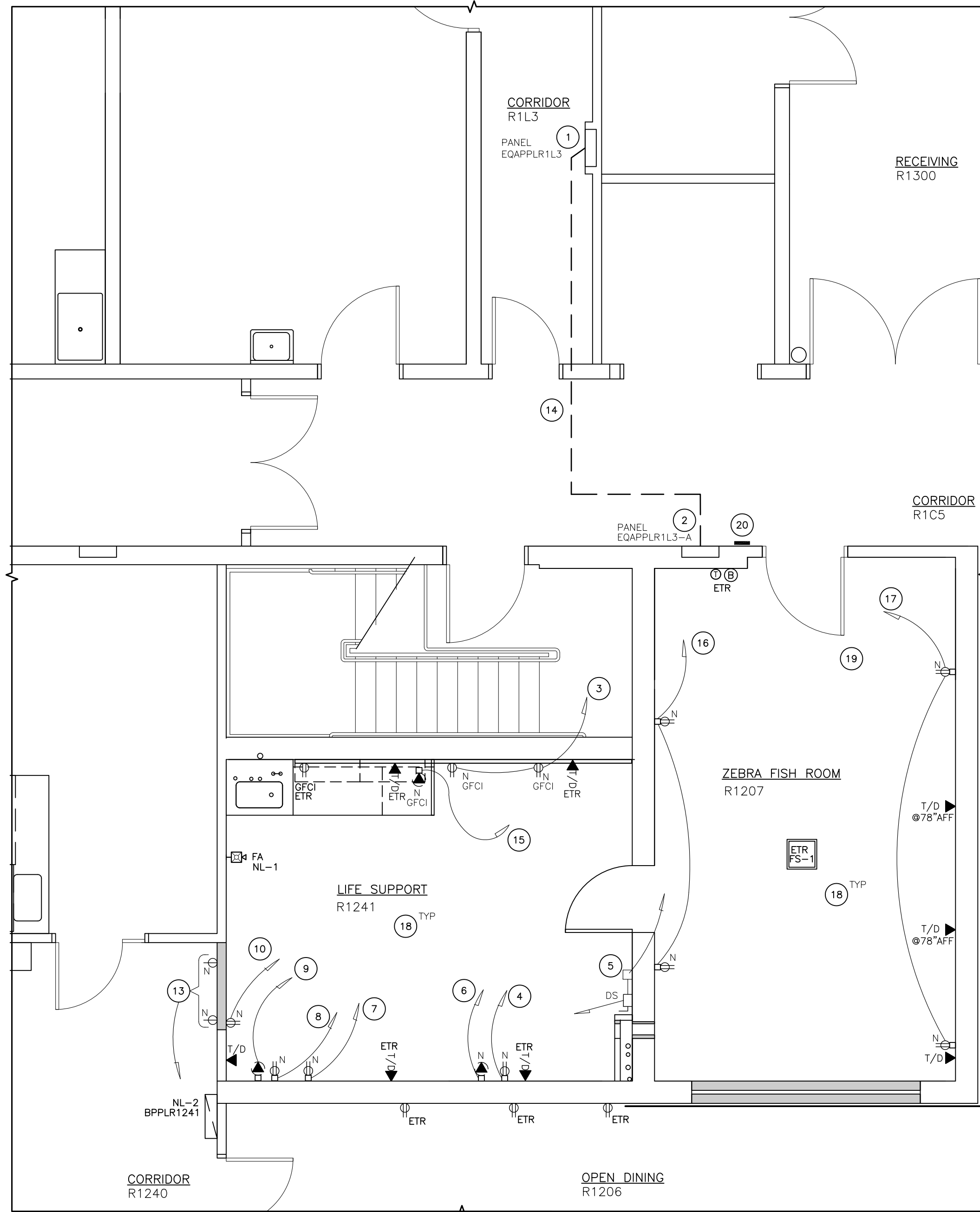


1 ELECTRIC DEMOLITION

E1 SCALE: 1/4"=1'-0"

SCHEDULE OF ITEMS

- DISCONNECT AND REMOVE SURFACE MOUNTED ELECTRIC RACEWAY AND OUTLETS. PULL CONDUCTORS BACK TO ELECTRIC PANEL SOURCE.
- DISCONNECT AND REMOVE SURFACE MOUNTED SPECIALTY RECEPTACLE. PROVIDE BLANK COVER PLATE.
- REMOVE ALL ELECTRIC RECEPTACLES FROM SURFACE MOUNTED ELECTRIC RACEWAY AND INSTALL BLANK COVER PLATES.
- RELOCATE ELECTRIC PANEL BPPLR1241 (RL-2) TO CORRIDOR R1240.
- DISCONNECT AND REMOVE DUPLEX RECEPTACLES AT SURFACE MOUNTED RACEWAY AND INSTALL BLANK COVERS.
- DISCONNECT AND REMOVE EXISTING WALL MOUNTED FIRE HORN/STROBE (RE).



2 ELECTRIC CONSTRUCTION

E1 SCALE: 1/4"=1'-0"

SCHEDULE OF ITEMS

- AT EXISTING STANDBY POWER DISTRIBUTION PANEL EQAPPLR1C3, INSTALL NEW POWER CONDUCTORS (2)-#8 & (1)-#6 IN 3/4" TO PANEL EQAPPLR1C4A. USE 60A BREAKERS.
- CONVERT EXISTING NORMAL POWER PANEL TO STANDBY POWER PANEL. RELABEL PANEL AND CIRCUIT INDEX CARD.
- STANDBY POWER DEDICATED CIRCUIT 1, GFCI 48"AFF 120V 20A NEMA 5-20.
- SURFACE MOUNTED BOX WITH WIREMOLD, AIR PUMP STANDBY POWER DEDICATED CIRCUIT 11, GFCI 72"AFF 120V 20A NEMA 5-20.
- WALL MOUNTED BUCK BOOST TRANSFORMER AT 72"AFF FOR DRUM FILTER. 230V 3 PHASE 5 AMP STANDBY POWER DEDICATED CIRCUIT 4.
- SURFACE MOUNTED BOX WITH WIREMOLD, STANDBY POWER FOR HEATER, DEDICATED CIRCUIT 6, 208V 3 PHASE 17 AMP 72"AFF.
- SURFACE MOUNTED BOX WITH WIREMOLD, UV BALLAST STANDBY POWER DEDICATED CIRCUIT 5, GFCI 72"AFF 120V 20A NEMA 5-20.
- SURFACE MOUNTED BOX WITH WIREMOLD, W900 CONTROLLER STANDBY POWER DEDICATED CIRCUIT 2, GFCI 72"AFF 120V 20A NEMA 5-20.
- SURFACE MOUNTED BOX WITH WIREMOLD, PUMP STANDBY POWER DEDICATED CIRCUIT 3, 208V 3 PHASE 10 AMP 72"AFF.
- W900 CONTROLLER Q-RACK STANDBY POWER CIRCUIT 8, GFCI 48"AFF 120V 20A NEMA 5-20.
- NEW DUPLEX OUTLET STANDBY POWER CIRCUIT 7, GFCI 48"AFF 120V 20A NEMA 5-20.
- DISHWASHER DUPLEX OUTLET STANDBY POWER CIRCUIT 9, GFCI 18"AFF 120V 20A NEMA 5-20.
- SINGLE RECEPTACLE FOR REFRIGERATORS TO PANEL BPPLR1240. REUSE EXISTING BREAKERS.
- CONDUCTORS TO NEW STANDBY ELECTRIC PANEL EQAPPLR1C4A TO BE (2)-#8 & (1)-#6 IN 1" CONDUIT.
- UNDERCOUNTER DISHWASHER 208V GFCI STANDBY POWER AT 12"AFF.
- SURFACE MOUNTED GFCI DUPLEX OUTLETS STANDBY POWER AT 48"AFF, CIRCUIT 10.
- SURFACE MOUNTED GFCI DUPLEX OUTLETS STANDBY POWER AT 78"AFF, CIRCUIT 10.
- ALL ELECTRIC OUTLETS IN WET LOCATIONS TO BE EQUIPPED WITH JUMBO RECEPTACLE COVERS.
- NEW CEILING MOUNTED HORN STROBE.
- ALTERNATE 1 - NEW ACCESS CARD READER. SEE PLAN SP-1 FOR LAYOUT.

FIRE ALARM SCHEDULE

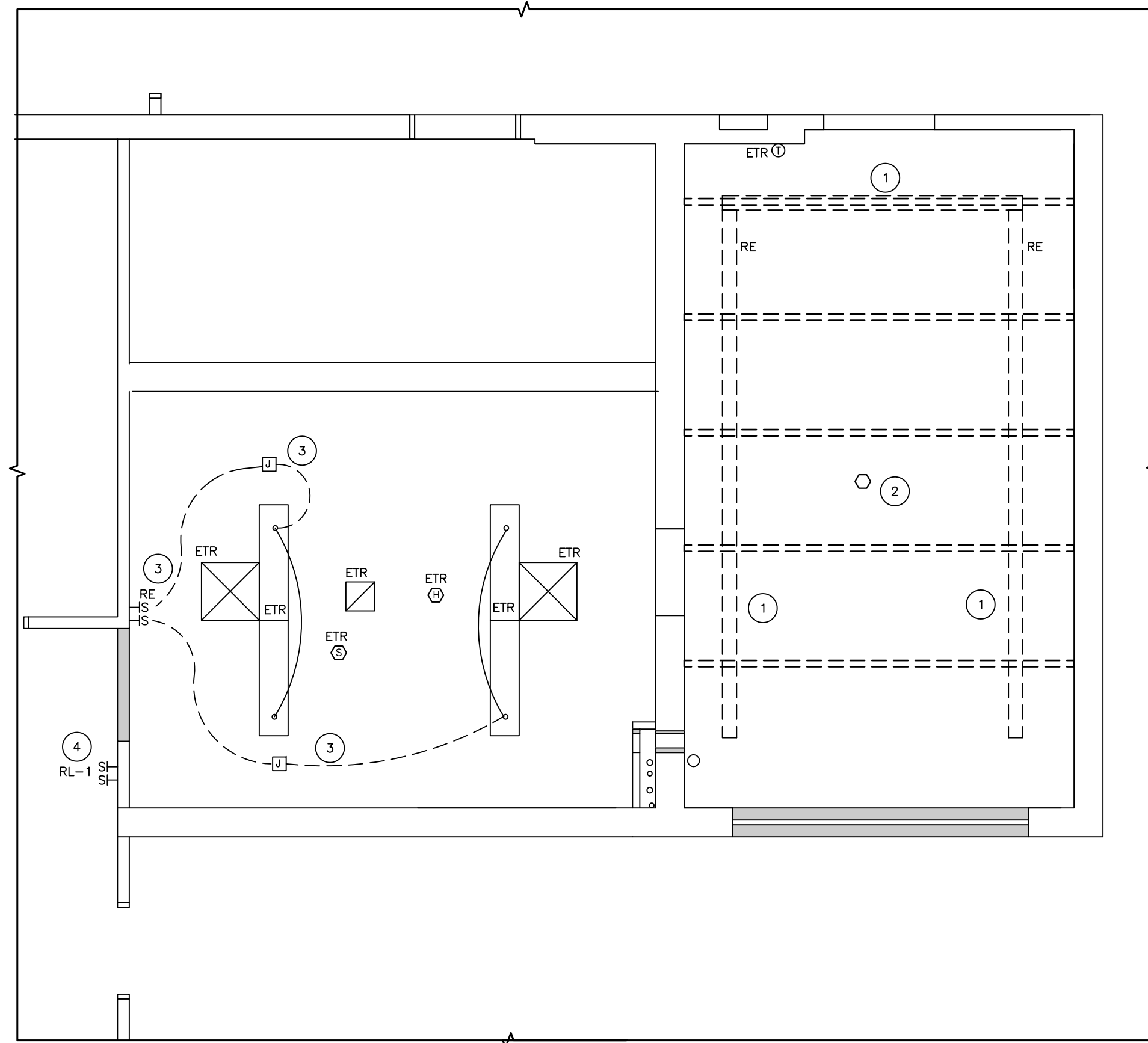
| TYPE | DESCRIPTION |
|------|---|
| FA1 | SIMPLEX 4906 SERIES CEILING MOUNT TRUEALERT ADDRESSABLE MULTICANDELLA AUDIBLE/VISUAL (A/V) APPLIANCE, MODEL 4906-9254 |

NOTES:

- ALL FIRE ALARM WORK SHALL CONFORM TO NEC-72, LATEST ADOPTED VERSION.
- THE ELECTRICIAN SHALL BE RESPONSIBLE FOR CONDUIT, BACKBOX, WIRE AND DEVICE INSTALLATION.
- THE CONTRACTOR SHALL AS PART OF THE WORK, ARRANGE FOR SIMPLEX (UCH FIRE ALARM VENDOR) TO:
 - PROVIDE NEW DEVICE FINAL TIE-IN TO THE FIRE ALARM PANEL
 - PROGRAMMING OF THE FIRE ALARM SYSTEM
 - PERFORM SYSTEM TESTING. THE CONTRACTOR SHALL SCHEDULE FIRE ALARM SYSTEM TESTING THROUGH THE UCH AGENT. TESTING SHALL OCCUR OFF HOURS AND SHALL INCLUDE: THE CONTRACTOR, SIMPLEX, FIRE MARSHAL AND UCH FIRE DEPARTMENT.
- THE CONTRACTOR SHALL APPLY SYSTEM IDENTIFICATION LABELS. REFER TO SPECIFICATION SECTION 16725 - FIRE ALARM SYSTEM.



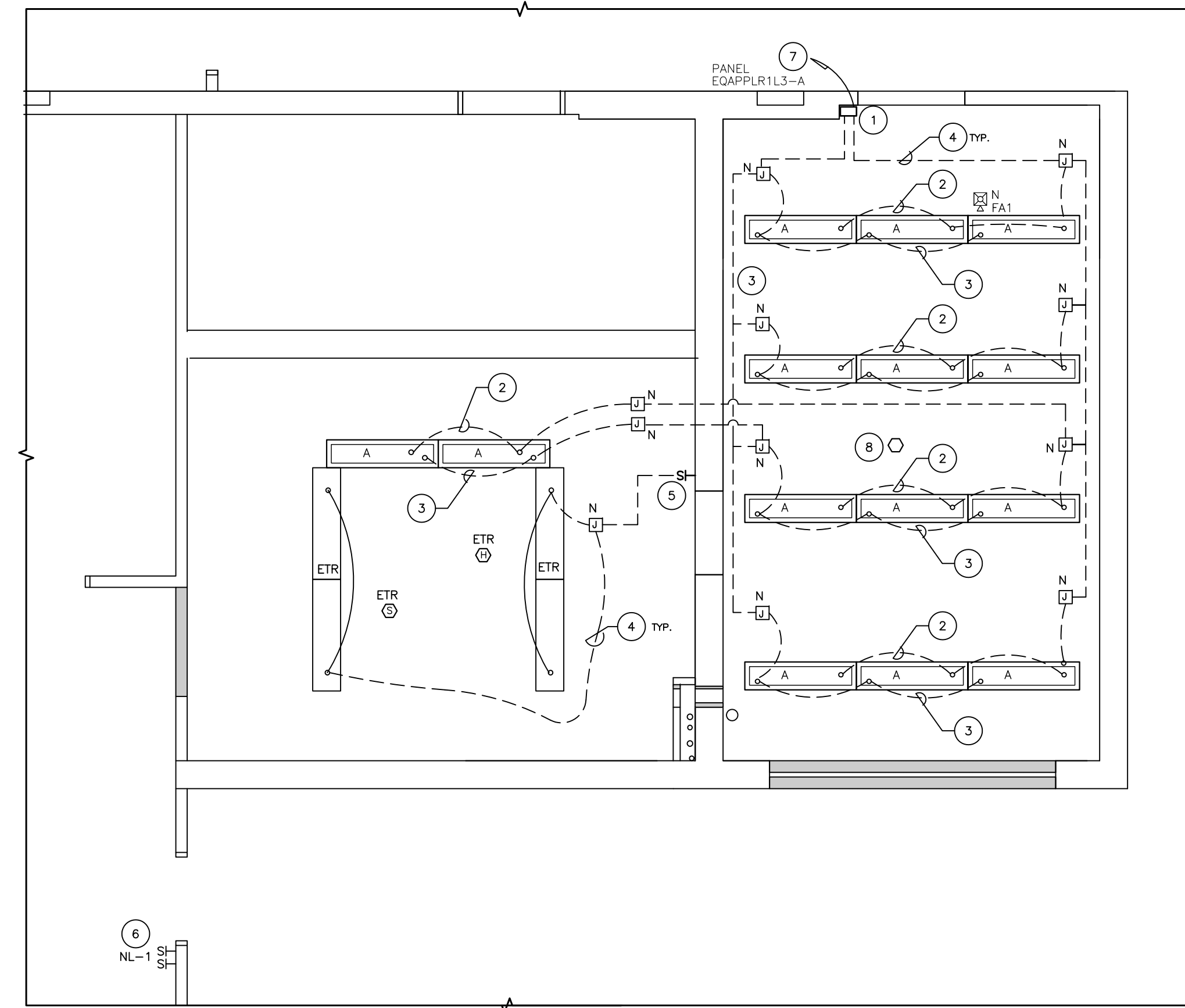
| NO. | SYM. | DESCRIPTION | DATE | APP'D |
|---|------------|--|------------|-------|
| REVISIONS | | | | |
| PROJECT LOCATION | | | | |
| | | | | |
| BUILDING: R FLOOR: 1 | | | | |
| UConn HEALTH | | CAMPUS PLANNING, DESIGN AND CONSTRUCTION | | |
| PROJECT NAME | | PROJECT NO. | | |
| R1207-R1241 CONVERT TO ZEBRAFISH FACILITY | | 19-047 | | |
| DRAWING TITLE | | DRAWING NO. | | |
| ELECTRICAL POWER DEMO & CONSTRUCTION | | E1 | | |
| SCALE | CHECKED BY | PROJECT MGR. | ISSUE DATE | |
| 3/16"=1'-0" | CM | JH | 3/6/20 | |



1 ELECTRIC LIGHTING DEMOLITION
E2 SCALE: 1/4"=1'-0"

SCHEDULE OF ITEMS

- 1 DISCONNECT AND REMOVE EXISTING LINEAR LIGHTING AND LIGHT SUPPORT ASSEMBLY.
- 2 REMOVE EXISTING DETECTOR AND SAVE FOR REUSE.
- 3 REMOVE EXISTING LIGHT SWITCHES AND CONTROL WIRING TO SUSPENDED CEILING LIGHT FIXTURES.
- 4 RELOCATE EXISTING LIGHT SWITCHES AND CONTROL WIRING.

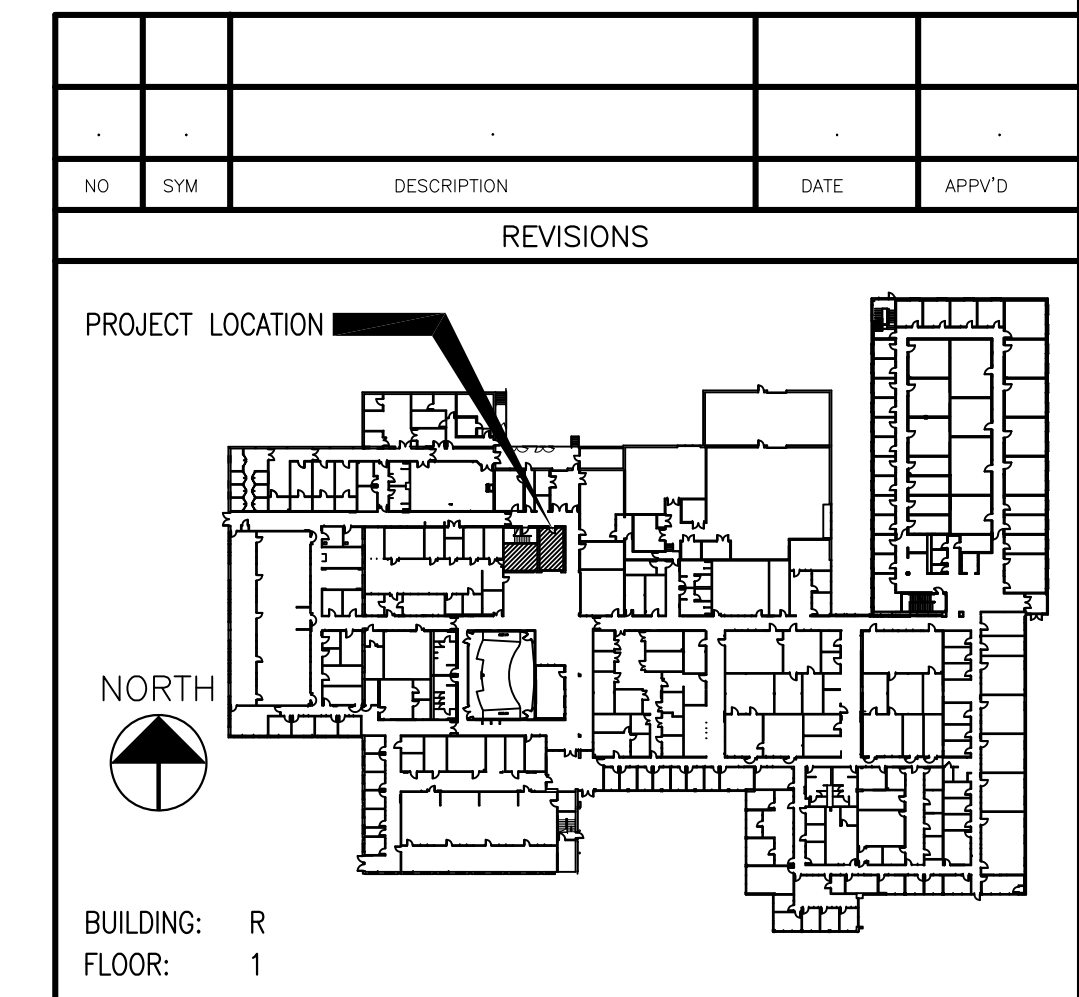
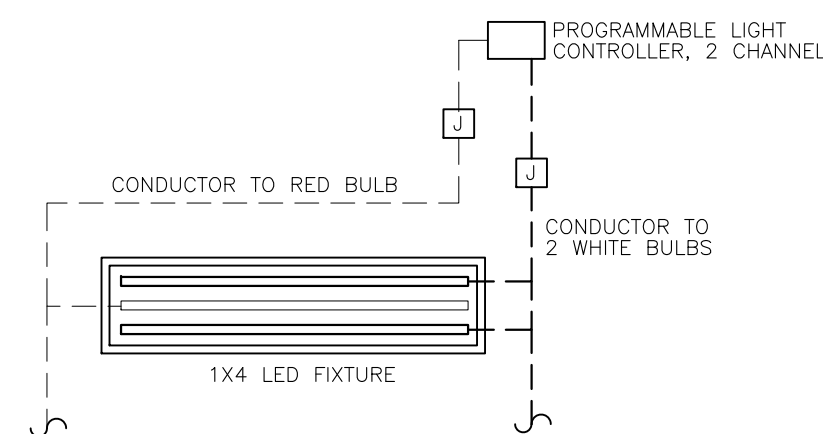


2 ELECTRIC LIGHTING CONSTRUCTION
E2 SCALE: 1/4"=1'-0"

SCHEDULE OF ITEMS

- 1 NEW 2 CHANNEL LIGHT CONTROLLER FOR 1X4 LED LIGHT FIXTURES BY TORK ELECTRONICS, MODEL NO. EWZ20TC.
- 2 NEW CONTROL LIGHT WIRING FOR (1) CENTER RED BULB. SEE WIRING SCHEMATIC.
- 3 NEW CONTROL LIGHT WIRING FOR (2) OUTSIDE WHITE BULBS. SEE WIRING SCHEMATIC.
- 4 ALL NEW LIGHT WIRING TO BE (2)#12 & (1)#12G IN 3/4C.
- 5 NEW LIGHT SWITCHES FOR EXISTING SUSPENDED CEILING FIXTURES.
- 6 RELOCATED WALL SWITCHES (NL-1).
- 7 CONNECT LIGHT CONTROLLER TO STANDBY POWER DISTRIBUTION PANEL EQBPPLR1560 CIRCUIT 11 WITH NEW 20A BREAKER.
- 8 REINSTALL DETECTOR.

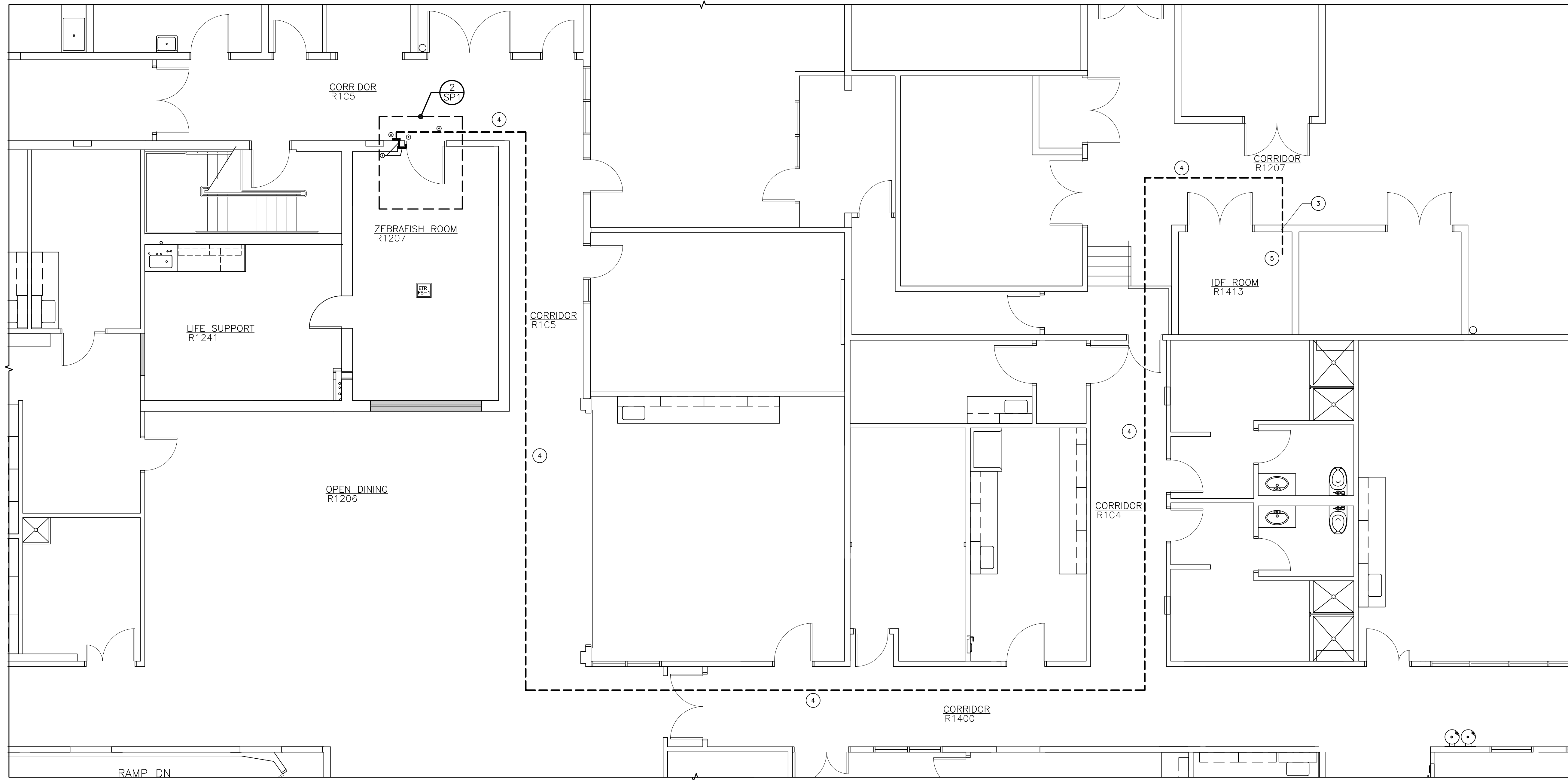
| LUMINAIRE SCHEDULE | |
|--------------------|--|
| TYPE | DESCRIPTION |
| A | 1 x 4 LED RECESSED LUMINAIRE FOR MOUNTING IN AN EXPOSED GRID-TEE CEILING SYSTEM WITH UNIVERSAL 120/277V CLASS 2 DRIVERS KURTZON CAT. SERIES. EL-R-5-1X4-1/RED-660-2/LEDR-840-UNV. KURTZON TO PROVIDE BULBS FOR FIXTURES. |



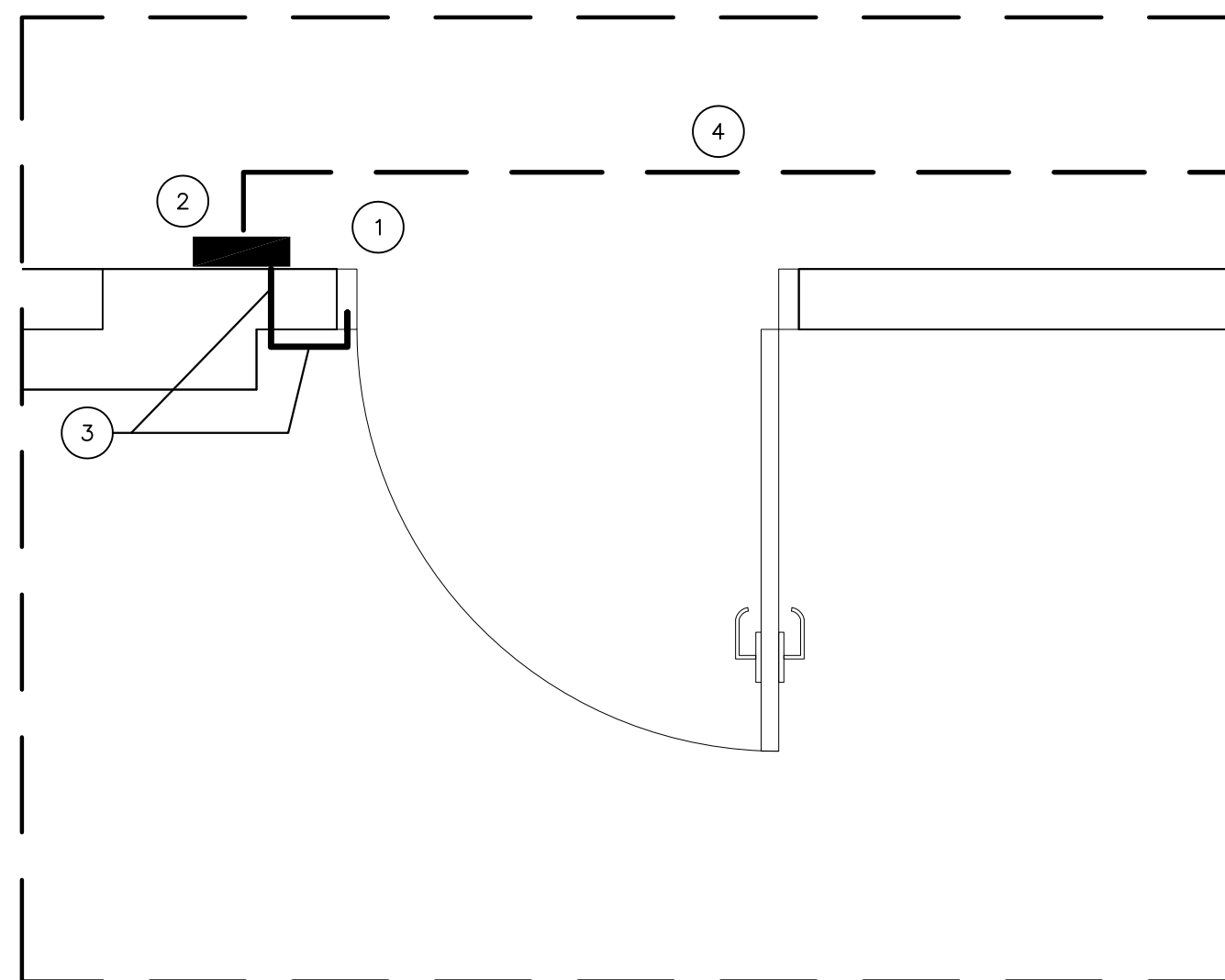
UCONN HEALTH CAMPUS PLANNING, DESIGN AND CONSTRUCTION

| | |
|---|--------------------------|
| PROJECT NAME R1207-R1241 CONVERT TO ZEBRAFISH FACILITY | PROJECT NO. 19-047 |
| DRAWING TITLE ELECTRICAL LIGHTING DEMO & CONSTRUCTION | DRAWING NO. E2 |
| SCALE 1/4"=1'-0" | CHECKED BY CM |
| PROJECT MGR. JH | ISSUE DATE 3/6/20 |





1 SECURITY PLAN
 SP1 SCALE: 3/16"=1'-0"



2 PLAN DETAIL
 SP1 SCALE: NOT TO SCALE

LEGEND

SOME OR ALL OF THE FOLLOWING SYMBOLS WILL BE USED FOR THIS PROJECT

| SYMBOL | DESCRIPTION |
|--------|--|
| --- | NEW WIRE BUNDLE (REFER TO ITEM NOTES FOR REQUIREMENTS) |

SCHEDULE OF ITEMS

COORDINATE SYSTEM INSTALLATION REQUIREMENTS WITH ACCESS CONTROL / SECURITY SYSTEM GENERAL NOTES.
 INSTALL AND SUPPORT ALL WIRING SYSTEMS COMPLYING WITH LATEST ADOPTED VERSION OF THE NATIONAL ELECTRIC CODE.

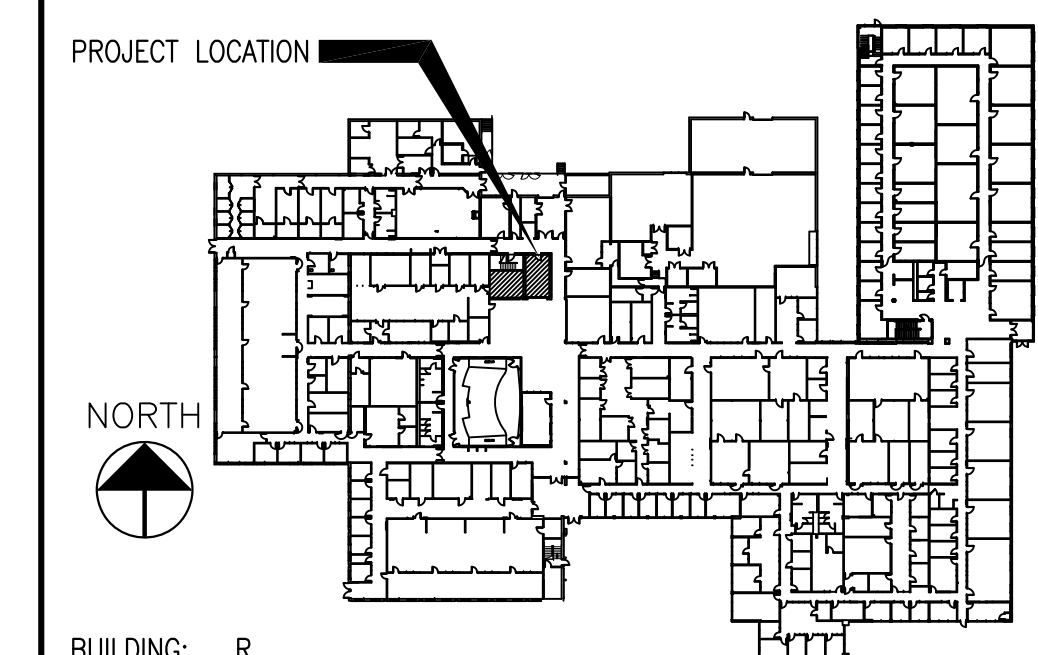
- 1 ELECTRIC DOOR STRIKE INSTALLED BY GENERAL CONTRACTOR, WIRE BACK TO SECURITY CLOSET R1413 WITH PLENUM GRADE AWG 18/2 LOW VOLTAGE WIRE.
- 2 INSTALL CARD READER (REFER TO HARDWARE SCHEDULE FOR MODEL INFORMATION) WIRE BACK TO SECURITY CLOSET R1413 WITH PLENUM GRADE SHIELDED AWG 18/6 LOW VOLTAGE WIRE.
- 3 CORE DRILL EXISTING CONCRETE BLOCK AND INSTALL PIPE SLEEVE FOR WIRING ELECTRIC STRIKE. SEAL PENETRATIONS AT BOTH SIDES.
- 4 PATH OF NEW CABLE RUN TO ISTAR PANEL IN ROOM R1413.
- 5 CONNECT CABLE TO ISTAR PANEL IN AVAILABLE PORT.

ACCESS CONTROL DOOR HARDWARE

| QTY | NUMBER | DESCRIPTION | MANUFACTURER | PRODUCT |
|-----|-----------------|-----------------|--------------|---|
| 1 | CARD READER | CARD READER | HID GLOBAL | RP40 MULTICLASS SE, PRX, WIEGAND, FIG, BLK #920PTNNEK000000 |
| 1 | ELECTRIC STRIKE | ELECTRIC STRIKE | HES | 1006CS-630 (FAIL-SECURE) |

SECURITY SYSTEM INTERFACE:
 SECURITY WIRING JACKET COLOR SHALL BE "YELLOW" - NE EXCEPTIONS
 THE ELECTRICIAN SHALL PROVIDE AND INSTALL WIRING FROM DOOR LOCATION TO THE EXISTING SECURITY CONTROL/POWER PANEL LOCATED IN ROOM R1413. SIMPLEX SHALL MAKE THE FINAL CONNECTION AND PROGRAM DEVICE ACTIVATION.

| NO | SYM | DESCRIPTION | DATE | APP'D |
|-----------|-----|-------------|------|-------|
| REVISIONS | | | | |

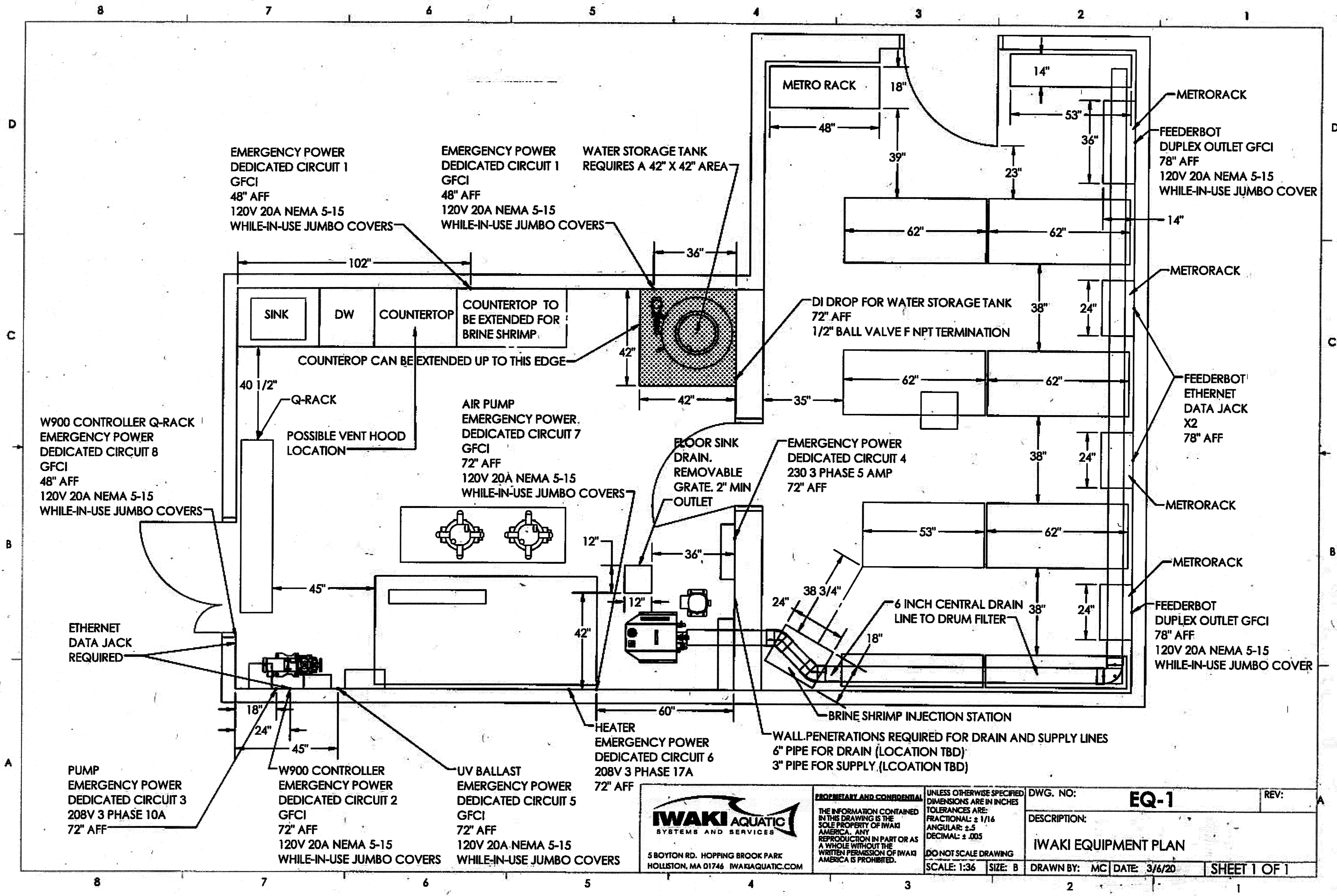


BUILDING: R
 FLOOR: 1



UConn HEALTH CAMPUS PLANNING, DESIGN AND CONSTRUCTION

| | |
|--|---------------------------|
| PROJECT NAME R1207-R1241 CONVERT TO ZEBRA FISH FACILITY | PROJECT NO. 19-047 |
| DRAWING TITLE ALTERNATE 1 SECURITY PLAN | DRAWING NO. SP1 |
| SCALE 3/16"=1'-0" | CHECKED BY CM |
| PROJECT MGR. JH | ISSUE DATE 3/6/20 |



| | | | | |
|--|--|--|--|--------------|
| <p>5 BOYTON RD. HOPPING BROOK PARK HOLLISTON, MA 01746 IWAKI@AQUATIC.COM</p> | <p>PROPRIETARY AND CONFIDENTIAL</p> <p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF IWAKI AMERICA. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF IWAKI AMERICA IS PROHIBITED.</p> | <p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONAL: ± 1/16 ANGULAR: ± .5 DECIMAL: ± .005 DO NOT SCALE DRAWING</p> | DWG. NO: EQ-1 | REV: |
| | | | DESCRIPTION: IWAKI EQUIPMENT PLAN | |
| SCALE: 1:36 SIZE: B | | DRAWN BY: MC DATE: 3/6/20 | | SHEET 1 OF 1 |