PROJECT TITLE:

Interior Alterations to:

# Amity Regional HS Media Center

25 Newton Road,
Woodbridge, CT

Phase 1 of 2

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100% CD SUBMISSION 11/07/2025
ISSUED FOR BID 05/01/2026

State Project Number: 205-0046 A

## ABBREVIATIONS (NOT ALL ARE USED)

| | | | | | |
|---|---|---|---|---|---|
| A.B. | ANCHOR BOLT | F.BRK | FACE BRICK | PART | PARTITION |
| ABV. | ABOVE | FD | FLOOR DRAIN | P.C.B. | PAINTED CONCRETE BLOCK |
| A/C | AIR CONDITIONING | FDN. | FOUNDATION | P.G.B. | PAINTED GYPSUM BOARD |
| A.C.P. | ASBESTOS CEMENT PIPE | F.E. | FIRE EXTINGUISHER | PL. OR PLAM | PLASTIC LAMINATE |
| ACT | ACOUSTICAL CEILING TILE | F.E.C. | FIRE EXTINGUISHER & CABINET | PLUMB. | PLUMBING |
| AD. | AREA DRAIN | F.F. | FINISHED FLOOR | PLYWD. | PLYWOOD |
| ADJ. | ADJUSTABLE | F.H. | FIRE HYDRANT | PREFAB | PREFABRICATED |
| AFF | ABOVE FINISH FLOOR | F.H.P. | FULL HEIGHT PARTITION | PREP. | PREPARATION |
| AHU | AIR HANDLING UNIT | FFE, FF&E | FURNITURE, FIXTURES, AND EQUIPMENT | PROJ | PROJECTION |
| ALT | ALTERNATE | FIN. | FINISH, FINISHED | PROP | PROPERTY |
| ALUM. | ALUMINUM | FIXT. | FIXTURE | P.T., PR. TR. | PRESSURE TREATED |
| ANOD | ANODIZED | FL. | FLOOR | PTD | PAINTED |
| APPROX. | APPROXIMATE | FLASH | FLASHING | P.V.C. | POLYVINYL CHLORIDE |
| ARCH. | ARCHITECT(URAL) | FLEX | FLEXIBLE | | |
| ASPH. | ASPHALT | F.O.F. | FACE OF FINISH | QT | QUARRY TILE |
| AVG. | AVERAGE | F.O.G. | FACE OF GYPSUM BOARD | | |
| | | F.O.M. | FACE OF MASONRY | R. | RISER |
| BC | BRICK COURSE | F.O.S. | FACE OF STUD | R OR RAD. | RADIUS |
| B/C | BOTTOM OF CURB | F.O.T. | FACE OF TILE | RB | RESILIENT BASE |
| BD. | BOARD | F.P. | FIRE PROOF / FIRE PROTECTION | RCP | REFLECTED CEILING PLAN |
| B.E.J | BRICK (BLOCK) EXPANSION JOINT | FPFG | FIREPROOFING | R.D. | ROOF DRAIN |
| B.F. | BOTTOM OF FOOTING | F.R. | FIRE RATED | RECPT | RECEPTACLE |
| BIT. | BITUMINOUS | FRP | FIBERGLASS REINFORCED PANEL | REF | REFERENCE |
| BLDG. | BUILDING | F.S. | FAR SIDE | REFG | REFRIGERATOR |
| BLK. | BLOCK | FT. | FOOT OR FEET | REINF. | REINFORCEMENT |
| BLKG. | BLOCKING | F.T. | FIRE TREATED | REQ'D | REQUIRED |
| BM | BEAM | FTG | FOOTING | RES | RESILIENT |
| B.M. | BENCH MARK | F.T.R. | FINNED TUBE RADIATION | RET. | RETAINING |
| B.O. | BOTTOM OF | FUR | FURRING | REV | REVISION |
| BRG. | BEARING | | | R.H. | ROOF HATCH |
| BRK. | BRICK | G | GAS | RI | RHODE ISLAND |
| B.S. | BOTH SIDES | GA. | GAGE, GUAGE | R.L. | ROOF LEADER |
| BSMT. | BASEMENT | GALV. | GALVANIZED | RM. | ROOM |
| B.U.R. | BUILT UP ROOFING | G.B. | GRAB BAR | R.O. | ROUGH OPENING |
| B/W | BOTTOM OF WALL | G.C. | GENERAL CONTRACTOR | R.O.W. | RIGHT OF WAY |
| B.W.R. | BOTH WAYS WALL | GEN. | GENERAL | R.T. | RUBBER TILE |
| | | GFB | GROUND FACE BLOCK | RV | ROOF VENT |
| CAB | CABINET | GL | GLASS | R.W.L. | RAIN WATER LEADER |
| C.B. | CATCH BASIN | GND | GROUND | | |
| C. BD. | CHALK BOARD | GRD | GRADE | S | SOUTH |
| C.B.R. | CATCH BASIN TO BE REMOVED | GYP. | GYPSUM | S. | STORM |
| C.C. | CURB CUT | GWB | GYPSUM WALL BOARD | SAN. | SANITARY |
| CEM. | CEMENT | GYP. BD. | GYPSUM BOARD | SB | SMART BOARD |
| CER | CERAMIC | | | SC | SEALED CONCRETE |
| C.F.M.F. | COLD FORMED METAL FRAMING | H.B. | HOSE BIBB | S.C. | SOLID CORE |
| CG | CORNER GUARD | H.C. | HANDICAP(PED) | SCHED. | SCHEDULE |
| C.H. | CABINET HEATER | H.C. | HOLLOW CORE | S.D. | SOAP DISPENSER |
| CHKBD | CHALKBOARD | HD. | HEADED | SECT. | SECTION |
| C.I. | CAST IRON | HDWR. | HARDWARE | SF | SQUARE FEET |
| C.I.P. | CAST IN-PLACE CONCRETE | HGT. | HEIGHT | S.FPRG. | SPRAYED-ON FIREPROOFING |
| C.J. | CONTROL/CONSTRUCTION JOINT | HM | HOLLOW METAL | S.G.F.T. | STRUCTURAL GLAZED FACING TILE |
| CLG. | CEILING | HORIZ. | HORIZONTAL, HORIZONTALLY | SHR | SHOWER |
| CLG. HT. | CEILING HEIGHT | H.P. | HIGH POINT | SIM. | SIMILAR |
| CLOS. | CLOSET | HR. | HOUR | SK | SKETCH |
| CLR | CLEAR | HTG | HEATING | S.N.D. | SANITARY NAPKIN DISPENSER |
| CLRM | CLASSROOM | H.U. | HEATING UNIT | S.N.R. | SANITARY NAPKIN RECEPTACLE |
| CMU | CONCRETE MASONRY UNIT | HVAC | HEATING / VENTILATION / AIR CONDITIONING | S.O.G. | SLAB-ON-GRADE |
| CNTR | COUNTER | HWD | HARDWOOD | SPEC. | SPECIFICATIONS |
| C.O. | CLEAN OUT | HYD. | HYDRANT | SPKLR | SPRINKLER |
| COL | COLUMN | | | S.P.R. | SINGLE PLY ROOF |
| CONC. | CONCRETE | ID | INTERIOR DESIGN | SQ. | SQUARE |
| CONF. | CONFERENCE | I.D. | INSIDE DIAMETER | SQ. FT. | SQUARE FEET |
| CONN | CONNECTION | IN. | INCH | SS | SOLID SURFACE |
| CONSTR. | CONSTRUCTION | INCL. | INCLUDE OR INCLUDING | SSTL | STAINLESS STEEL |
| CONT. | CONTINUOUS, CONTINUE | INSUL. | INSULATION, INSULATED | STA | STATION |
| CONTR. | CONTRACTOR | INT. | INTERIOR | STD | STANDARD |
| CORR. | CORRIDOR | INV. | INVERT | STIFF | STIFFENERS |
| CP | CONTROL PANEL | | | STL. | STEEL |
| CPT | CARPET | JAN. | JANITOR | STRUCT. | STRUCTURAL |
| C.R. | CEILING REGISTER | JNT/JT | JOINT | SUSP. | SUSPENDED, SUSPENSION |
| CT | CERAMIC TILE | JST | JOIST | S.W. | SHEAR WALL |
| CT | CONNECTICUT | | | S.W.F. | SHEAR WALL FOOTING |
| CTR | CENTER | K.D. | KOCK DOWN | SYM | SYMMETRICAL |
| C.U.H. | CABINET UNIT HEATER | KIT | KITCHEN | SYS.,SYST. | SYSTEM |
| C.Y. | CUBIC YARD | K.P. | KICK PLATE | | |
| | | | | T. | TELEPHONE |
| DBL | DOUBLE | LAM. | LAMINATE(D) | TB | TACKBOARD |
| DEPT | CEPARTMENT | LAV | LAVATORY | T&B | TOP & BOTTOM |
| DET. | DETAIL | LBS | POUNDS | TBD | TO BE DETERMINED |
| DF | DRINKING FOUNTAIN | LCKR | LOCKER | TECH. | TECHNOLOGY |
| DIA. | DIAMETER | L.F. | LINEAR FOOT | TEMP | TEMPERED |
| DIFF | DIFFUSER | LG. | LONG | TERR | TERRAZZO |
| DIM. | DIMENSION(S) | L.L. | LIVE LOAD | TEL | TELEPHONE |
| DISP | DISPENSER | LOC. | LOCATION | THK | THICK |
| DIV | DIVISION | L.P. | LOW POINT | THRES | THRESHOLD |
| D.L. | DEAD LOAD | LTG. | LIGHTING | T.O. | TOP OF |
| DN | DOWN | LVL | LEVEL | T.O.F. | TOP OF FOUNDATION |
| D.O. | DOOR OPENING | LVT | LUXURY VINYL TILE | T.O.S. | TOP OF STEEL |
| DP | DAMP PROOFING | | | T.P. | TOILET PARTITION |
| DR. | DOOR | M | MINUTE | T.P.D. | TOILET PAPER DISPENSER |
| DS | DOWNSPOUT | MAS. | MASONRY | T/S | TOP OF SLAB |
| D.S.P. | DRY STAND PIPE | MATL | MATERIAL | T.T.F. | TRIM TO FIT |
| DTL. | DETAIL | MAX. | MAXIMUM | T/W | TOP OF WALL |
| DWG. DWGS | DRAWING(S) | M.C. | MASONRY COURSE | TYP. | TYPICAL |
| DWL | DOWEL | MECH. | MECHANICAL | | |
| | | M.H. | MANHOLE | UL | UNDERWRITERS LABORATORIES |
| E | EAST | MIN. | MINIMUM | UNO | UNLESS NOTED OTHERWISE |
| EA. | EACH | MIR | MIRROR | UON | UNLESS OTHERWISE NOTED |
| ECTR. | EXISTING CEILING-TO-REMAIN | MISC. | MISCELLANEOUS | | |
| ED. | EDUCATION | M.O. | MASONRY OPENING | V.B. | VINYL BASE |
| E.F. | EACH FACE | MTD. | MOUNTED | VCT | VINYL COMPOSITE TILE |
| EIFS | EXTERIOR INSULATION & FINISH SYSTEM | MTL. | METAL | VERT. | VERTICAL |
| E.J. | EXPANSION JOINT | MULL | MULLION | VIF | VERIFY IN FIELD |
| E.J.C. | EXPENSION JOINT COVER | | | VT | VERMONT |
| EL. | ELEVATION | N | NORTH | | |
| ELEC. | ELECTRICAL | N.A. | NOT APPLICABLE | W | WEST |
| ELEV. | ELEVATION | NH | NEW HAMPSHIRE | W. | WATER |
| EMER. | EMERGENCY | N.I.C. | NOT IN CONTRACT | W/ | WITH |
| ENCL. | ENCLOSURE | NJ | NEW JERSEY | MA | MASSACHUSETTS |
| ENGR | ENGINEER | NO. | NUMBER | WB | WHITE BOARD |
| ENL. | ENLARGED | NOM. | NOMINAL | WC | WALL COVERING |
| ENT. | ENTRANCE | N.P.S. | NOMINAL PIPE SIZE | WCJ | WALL CONTROL JOINT |
| EP. | EPOXY PAINT | N.R.C. | NOISE REDUCTION COEFFICIENT | WD. | WOOD |
| EQ. / = | EQUAL(S) | N.S. | NEAR SIDE | WF. | WIDE FLANGE |
| EQUIP | EQUIPMENT | N.T.S. | NOT TO SCALE | WIN. | WINDOW |
| ES. | EXPOSED STRUCTURE | NY | NEW YORK | W/O | WITHOUT |
| E.T.R. | EXISTING-TO-REMAIN | NYC | NEW YORK CITY | WOM | WALK-OFF-MAT |
| E.W. | EACH WAY | | | WP | WATERPROOFING |
| E.W.C. | ELECTRIC WATER COOLER | O/A | OUTSIDE AIR | WS | WOOD STAIN |
| E.W./E.F. | EACH WAY/EACH FACE | O.C. | ON CENTER | W.W.F | WELDED WIRE FABRIC |
| EXAM. | EXAMINATION | O.C.C. | OCCUPANT | W.W.M. | WELDED WIRE MESH |
| EXH | EXHAUST | O.D. | OUTSIDE DIAMETER | | |
| EXIST. | EXISTING | OFF | OFFICE | & | AND |
| EXP. | EXPANSION | O.H. | OPPOSITE HAND | ∠ ∠ | ANGLE |
| EXPO | EXPOSED | OPNG. | OPENING | @ | AT |
| EXT. | EXTERIOR | OPP | OPPOSITE | ℄ | CENTERLINE |
| | | O.W.S.J. | OPEN WEB STEEL JOIST | = | EQUAL(S) |
| F.A. | FIRE ALARM | OZ | OUNCE | ⌀ | DIAMETER |
| F.A.P. | FIRE ALARM PANEL | | | | |
| F.B. | FOOTING BREAK | PA | PENNSYLVANIA | | |

## GRAPHIC SYMBOLS

ROOM NAME / ROOM NUMBER — ROOM NAME ### — ROOM IDENTIFICATION

ROOM NAME / ROOM NUMBER / MATERIAL - HEIGHT — ROOM NAME ### ACT-1 8'-#" — CEILING PLAN ROOM IDENTIFICATION

ROOM NAME / MATERIAL - RM NUMBER / SQ FT — ROOM NAME CPT-1 ### SQ FT — FINISH FLOOR PLAN ROOM IDENTIFICATION

CABINET TYPE / NOMINAL HEIGHT/WIDTH / SPECIAL DEPTH &/OR EQUIP. — CB1 3630 18" — PREMANUFACTURED CASEWORK SYMBOL

TX — TOILET ACCESSORY SYMBOL

SX — SIGNAGE SYMBOL

EX — EQUIPMENT SYMBOL

XXX — DOOR NUMBER

DX — DEMOLITION NOTE

CX — CONSTRUCTION NOTE

X / AXXX — DETAIL NUMBER / DRAWING NUMBER

W / XX — WINDOW TYPE

SF / XX — STOREFRONT TYPE

CW / XX — CURTAIN WALL TYPE

ETR — EXISTING-TO-REMAIN WINDOW, STOREFRONT, OR CURTAIN WALL

X / AXXX — SECTION/DETAIL DRAWING NUMBER

X / AXXX and X / AXXX — BUILDING SECTION DRAWING NUMBER

X / AXXX — WALL SECTION DRAWING NUMBER

# / AXXX — "#" EXTERIOR ELEVATION "XX" DRAWING NUMBER

# / # AXXX # / # — "#" INTERIOR ELEVATION "XX" DRAWING NUMBER

XX — WALL TYPE

X — REVISION CLOUD & MARK

X — COLUMNS (EXISTING)

X / AXXX — DETAIL CALL OUT

LABEL / ELEVATION — ELEVATION MARKER

DATUM POINT

NORTH ARROW

## MATERIAL CONVENTIONS

BRICK

CONCRETE MASONRY UNIT (CMU)

CONCRETE

RIGID BOARD INSULATION

INSULATION (BATT)

EARTH

METAL FRAMING

GYPSUM BOARD

PLYWOOD

WOOD FRAMING (THROUGH MEMBER)

WOOD FRAMING (INTERRUPTED MEMBER)

WOOD TRIM/FINISH

ACOUSTICAL TILE OR PANEL

## DOOR INDICATIONS

EXISTING DOOR

EXISTING DOOR TO BE REMOVED

NEW DOOR

DOUBLE LEAF DOOR

DOOR W/ 180 HOLD OPEN

UNEQUAL LEAF DOOR

TWO-WAY DOOR

POCKET DOOR

BI- FOLDING DOOR

SLIDING DOOR

DOUBLE ACTING DOOR

## DRAWINGS LIST

### GENERAL DRAWINGS

G001 GENERAL INFORMATION AND DRAWING LIST
G002 BUILDING CODE PLAN AND INFORMATION, PARTITION TYPES

### STRUCTURAL DRAWINGS

S112 PARTIAL ROOF FRAMING PLAN

### ARCHITECTURAL DRAWINGS

A011 PARTIAL 1st FLOOR DEMOLITION PLAN - MEDIA CENTER
A021 PARTIAL 1st FLOOR DEMOLITION RCP - MEDIA CENTER
A111 PARTIAL 1st FLOOR NEW WORK PLAN - MEDIA CENTER
A112 PARTIAL ROOF PLAN
A211 PARTIAL 1st FLOOR FINISH PLAN AND SCHEDULE - MEDIA CENTER
A231 PARTIAL 1st FLOOR FF&E PLAN - MEDIA CENTER (FOR REF. ONLY)
A251 PARTIAL 1st FLOOR CEILING PLAN - MEDIA CENTER
A260 CEILING DETAILS
A600 WINDOW ELEVATIONS AND DETAILS
A705 ENLARGED PARTIAL PLANS
A730 INTERIOR ELEVATIONS
A731 INTERIOR ELEVATIONS
A732 INTERIOR ELEVATIONS
A733 INTERIOR ELEVATIONS
A734 INTERIOR ELEVATIONS
A735 INTERIOR ELEVATIONS
A736 INTERIOR ELEVATIONS
A737 INTERIOR ELEVATIONS
A800 CASEWORK DETAILS
A930 DOOR DETAILS AND SCHEDULE, SIGNAGE

### FIRE PROTECTION DRAWINGS

FP001 FP GENERAL NOTES, ABBREVIATIONS, AND LEGENDS
FP010 FP FIRST FLOOR DEMO PLAN
FP110 FP FIRST FLOOR PLAN
FP500 FP DETAILS

### PLUMBING DRAWINGS

P001 PLUMB GENERAL NOTES, ABBREVIATIONS, AND LEGENDS
P010 PLUMB FIRST FLOOR DEMO PLAN
P100 PLUMB FIRST FLOOR PLAN

### MECHANICAL DRAWINGS

M001 MECH GENERAL NOTES, ABBREVIATIONS, AND LEGENDS
M011 MECH FIRST FLOOR DUCT DEMO PART PLAN
M021 MECH FIRST FLOOR PIPING DEMO PART. PLAN
M111 MECH FIRST FLOOR DUCT PART PLAN
M112 MECH ROOF DUCT PART PLAN
M211 MECH FIRST FLOOR PIPING PART PLAN
M212 MECH ROOF PIPING PLAN
M500 MECH SCHEDULES
M501 MECH SCHEDULES
M600 MECH DETAILS
M601 MECH DETAILS
M602 MECH DETAILS

### AS-BUILT MECHANICAL DRAWINGS (FOR REF. ONLY)

SM-A-1.1 PART A FIRST FLOOR HVAC PLAN (AS- BUILT DRAWINGS FOR REFERENCE)
SM-A-1.2 PART A FIRST FLOOR HVAC PLAN(AS-BUILT DRAWINGS FOR REFERENCE)
SM-A-2.1 PART A SECOND FLOOR HVAC PLAN (AS-BUILT DRAWINGS FOR REFERENCE)
SM-A-2.2 PART A SECOND FLOOR HVAC PLAN (AS-BUILT DRAWINGS FOR REFERENCE)
SM-B-1.1 PART B FIRST FLOOR HVAC (AS-BUILT DRAWINGS FOR REFERENCE)
SM-B-1.2 PART B FIRST FLOOR HVAC PLAN (AS-BUILT DRAWINGS FOR REFERENCE)
SM-B-2.2 PART B SECOND FLOOR HVAC PLAN (AS-BUILT DRAWINGS FOR REFERENCE)

### ELECTRICAL DRAWINGS

E001 GENERAL NOTES, ABBREVIATIONS, AND LEGENDS
E011 FIRST FLOOR DEMOLITION PLAN - LIGHTING
E021 FIRST FLOOR DEMOLITION PLAN - POWER
E111 FIRST FLOOR PLAN - LIGHTING
E211 FIRST FLOOR PLAN - POWER
E212 SECOND FLOOR/ROOF PLAN - POWER
E401 PARTIAL ONE LINE DIAGRAM & PANEL SCHEDULES
E501 LIGHT FIXTURE SCHEDULE & DETAILS

### TECHNOLOGY DRAWINGS

T001 TECH GENERAL NOTES, ABBREVIATIONS, AND LEGENDS
T011 FIRST FLOOR DEMOLITION PLAN
T111 FIRST FLOOR PLAN
T601 TECH DETAILS

## GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS & DIMENSIONS PRIOR TO FABRICATION, FURNISHING AND INSTALLATION OF ANY MATERIALS, EQUIPMENT AND WORK.
2. ALL MATERIALS & EQUIPMENT SHOWN ARE NEW TO BE PROVIDED BY CONTRACTOR(S) UNLESS OTHERWISE NOTED.
3. ALL EXISTING UTILITIES & EQUIPMENT LOCATIONS ARE APPROXIMATE - CONTRACTOR(S) SHALL FIELD VERIFY AND/OR COORDINATE EXACT LOCATIONS.
4. CONTRACTOR ASSUMES ALL RESPONSIBILITY DURING CONSTRUCTION TO PROTECT MATERIALS AND EQUIPMENT. ANY & ALL DAMAGED ITEMS & EQUIPMENT DURING CONSTRUCTION SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.
5. ALL RATED DOORS & DOORS FRONTING A CORRIDOR SHALL HAVE POSITIVE LATCHING LOCKSETS UNLESS OTHERWISE INDICATED ON THE DOOR SCHEDULE.
6. ALL DOORS EXITING 50 PERSONS OR MORE SHALL HAVE PANIC EXIT DEVICES.
7. ALL HANDICAP ACCESSIBLE DOOR HARDWARE SHALL BE PROVIDED TO COMPLY WITH ADA, ANSI AND ALL OTHER APPLICABLE CODES.
8. ALL NEW AND EXISTING EXPOSED/VISIBLE STEEL GUARDRAILS, HANDRAILS, DOOR FRAMES, GLAZING FRAMES, PIPING, DECKING, BEAMS, COLUMNS, JOISTS AND OTHER STRUCTURAL COMPONENTS SHALL BE PAINTED UNLESS OTHERWISE NOTED.
9. IF A NOTE IS FOUND ON ARCHITECTURAL DRAWINGS READING - "SEE STRUCTURAL DRAWINGS" - AND SIZE AND DETAILING OF MEMBER(S) IS NOT FOUND, THE CONTRACTOR SHALL CONTACT THE ARCHITECT TO REQUEST MISSING INFORMATION. THESE ITEMS SHALL BE PART OF THE BASE BID AND STEEL SUBCONTRACTOR SHALL REVIEW STRUCTURAL AS WELL AS ARCHITECTURAL DRAWINGS PRIOR TO BIDDING.
10. ALL CONTRACTORS SHALL REVIEW DRAWINGS AND PROJECT MANUAL. IF THERE IS A DISCREPANCY BETWEEN THE TWO OR ANY OTHER PARTS OF THE DOCUMENTS, THE HIGHER VALUE (IN DOLLARS) SHALL PREVAIL AS THE SCOPE OF WORK THAT WILL BE PRICED UNLESS OTHERWISE DIRECTED IN WRITING BY THE ARCHITECT DURING THE BIDDING PERIOD.
11. PATCH ALL EXISTING WALLS AND OTHER SURFACES AFFECTED BY DEMOLITION & REMOVALS WITH MATERIALS TO MATCH EXISTING.
12. SAW CUT AND REMOVE PORTIONS OF CONCRETE SLAB AS REQUIRED TO ACCOMMODATE NEW PLUMBING, ELECTRICAL, MECHANICAL AND OTHER TRADES WORK. COORDINATE LOCATION, WIDTH, AND DEPTH OF TRENCHING WITH M/E/P DRAWINGS FOR SCOPE OF NEW WORK REQUIRED.
13. WALL OPENINGS RESULTING FROM REMOVAL OF DUCTS, PIPES, CONDUITS, ETC. SHALL BE INFILLED WITH MATERIALS TO MATCH THE WALL. SEE M/E/P/FP DEMOLITION DRAWINGS FOR REMOVALS.
14. WHERE NEW DUCTS, PIPES, AND CONDUITS PASS THROUGH NEW AND EXISTING WALLS, PROVIDE OPENING AND HEADER AS REQUIRED, AND SEAL THE PERIMETER OF THE PENETRATION FOR SOUND TRANSMISSION RESISTANCES AND FIRE RATING WHERE INDICATED ON CODE PLANS AND OTHER DRAWINGS. COORDINATE WITH M/E/P/FP DRAWINGS FOR ALL OPENINGS REQUIRED.

## WALL INDICATIONS

NEW WALL

EXISTING WALL

EXISTING WALL TO BE REMOVED

TYPICAL WINDOW

WINDOW WALL

RECESSED ITEM

PROJECT TITLE:
INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

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311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

REVISION: DESCRIPTION: DATE: REVISED BY:

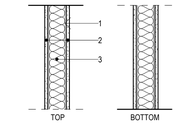
DRAWING TITLE: GENERAL INFORMATION AND DRAWING LIST
PROJECT SUBMISSION: ISSUED FOR BID: 05/01/2026
STATE PROJECT NUMBER: 205-0046 A

DATE: 11/07/2025
SCALE: 12" = 1'-0"
DRAWN BY: JE,pset
PROJECT NUMBER: 23.195

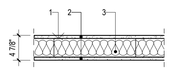
DRAWING NUMBER: G001

5/1/2026 7:40:07 AM

## INTERIOR PARTITIONS ASSEMBLY




VERTICAL SECTION




HORIZONTAL SECTION

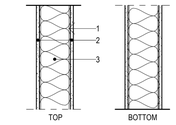
1A — 3 5/8" METAL STUD WALL W/ SOUND BATT

UL #U404 OR SIMILAR

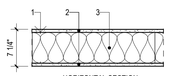
STC RATING - 45
1-HR FIRE RATING

1. 3 5/8" METAL STUDS @ 16" O.C.
2. 5/8" GYPSUM WALL BOARD, PAINTED
3. 3" SOUND ATTENUATION BATT
4. --
5. PUTTY PAD AROUND WALL PENETRATIONS

- PROVIDE FIRE AND SMOKE STOPPING AT WALL PENETRATIONS
- TERMINATE / BRACE ALL WALLS TO STRUCT. ABOVE




VERTICAL SECTION




HORIZONTAL SECTION

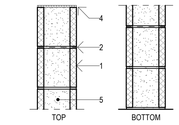
1B — 6" METAL STUD WALL W/ SOUND BATT

UL #U465 OR SIMILAR

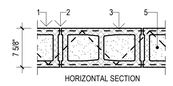
STC RATING - 49
1-HR FIRE RATING

1. 6" METAL STUDS @ 24" O.C.
2. 5/8" GYPSUM WALL BOARD, PAINTED
3. 6" SOUND ATTENUATION BATT
4. --
5. PUTTY PAD AROUND WALL PENETRATIONS

- PROVIDE FIRE AND SMOKE STOPPING AT WALL PENETRATIONS
- TERMINATE / BRACE ALL WALLS TO STRUCT. ABOVE




VERTICAL SECTION




HORIZONTAL SECTION

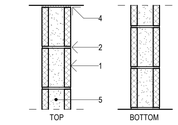
2A — 8" CMU WALL GROUTED SOLID

UL #U905

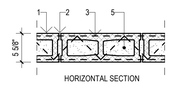
STC RATING - 55

1. CONCRETE BLOCK CLASSIFICATION D-2
2. MORTAR 3/8" THICK FULL BED
3. HORIZONTAL REINFORCING @ 16" O.C. VERT.
4. FIRE SAFING
5. GROUT CORES SOLID

- PROVIDE FIRE AND SMOKE STOPPING AT WALL PENETRATIONS
- ACOUSTICAL SEALANT




VERTICAL SECTION




HORIZONTAL SECTION

2B — 6" CMU WALL GROUTED SOLID

STC RATING - 51

1. CONCRETE BLOCK CLASSIFICATION D-2
2. MORTAR 3/8" THICK FULL BED
3. HORIZONTAL REINFORCING @ 16" O.C. VERT.
4. FIRE SAFING
5. GROUT CORES SOLID

- PROVIDE FIRE AND SMOKE STOPPING AT WALL PENETRATIONS
- ACOUSTICAL SEALANT

AREA IN SF 840 SF
OCC. LOAD FACTOR 20 42 ROOM OCCUPANCY LOAD

ACTUAL EGRESS OCC. OF DOOR 42
MAX. ALLOWABLE EGRESS OCC. OF DOOR 168 EXIT CAPACITY

C216 ROOM NUMBER

1227 DIRECTION OF TRAVEL W/ ACCUMULATED OCC. LOAD

TD 145' MAXIMUM TRAVEL DISTANCE FROM FURTHEST POINT

198' COMMON PATH OF TRAVEL

1 HOUR RATED FIRE AND SMOKE BARRIER

2 HOUR RATED FIRE AND SMOKE BARRIER

SMOKE BARRIER

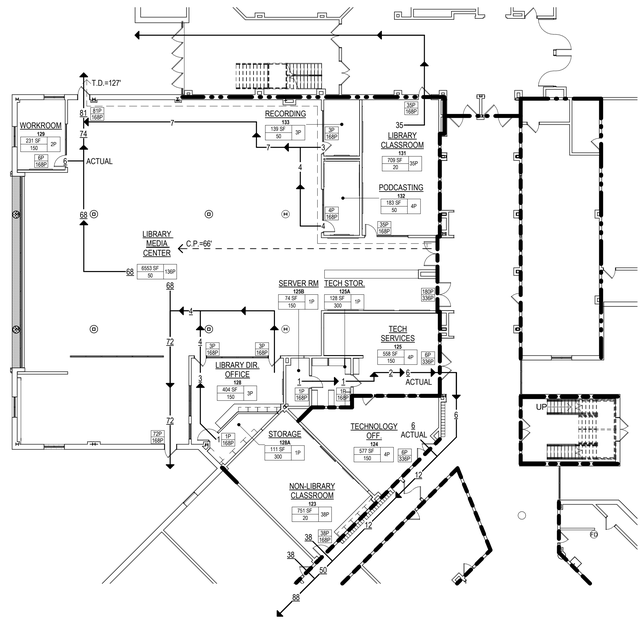
LOT LINE

DENOTES ACCESSIBLE THRESHOLD 1/2" MAX STEP W/BEVELED THRESHOLD OR 1/2" STEP W/OUT BEVELED THRESHOLD

60.66' - DIMENSION OF OPEN PERIMETER ALONG ENTIRE LONGITUDINAL FACE

(60.66') - DIMENSION OF NON-OPEN PERIMETER ALONG ENTIRE LONGITUDINAL FACE

INDICATES LOSS OF EXIT AS PER IBC 1005.5 CT AMENDMENTS




1 FIRST FLOOR CODE PLAN
1/16" = 1'-0"

## CODE INFORMATION

| | |
|---|---|
| DATE OF ORIGINAL CONSTRUCTION | 1954 |
| DATE OF ADDITIONS | 1991, 2007 |
| DATE OF PROPOSED ADDITION | 2026 |

1. GROUP CLASSIFICATION (Chapter 3)

| | |
|---|---|
| (Primary) | E (EDUCATIONAL) |
| | A-3 (ASSEMBLY) |

2. CONSTRUCTION TYPE (Chapter 6)

| | |
|---|---|
| Minimum Type Required | 2B |
| Actual Type Provided (existing) | 2B |
| (Proposed new) | 2B |

3. BUILDING HEIGHT (Chapter 5)

| | |
|---|---|
| Allowable Height (story/feet) | 3 / 75'-0" |
| Actual Height (story/feet) | 2 / 42'-0" |
| (Stories Above Grade) | 2 |

4. BUILDING AREA (Chapter 5)

1) Building Area (First Floor Level)

| | | |
|---|---|---|
| Existing construction (Pre-1950) | 31,793 | sq.ft. |
| New construction | N/A | sq.ft. |
| Total floor | 31,793 | sq.ft. |

2) Building Area (Second Floor Level)

| | | |
|---|---|---|
| Existing construction (Pre-1950) | 23,583 | sq.ft. |
| New construction | N/A | sq.ft. |
| Total floor | 23,583 | sq.ft. |

3) Building Area (Third Floor Level)

| | | |
|---|---|---|
| Existing construction (Pre-1950) | N/A | sq.ft. |
| New construction | N/A | sq.ft. |
| Total floor | N/A | sq.ft. |

4) Building Area (All Floors)

| | | |
|---|---|---|
| Existing construction | 55,376 | sq.ft. |
| New construction | N/A | sq.ft. |
| Total floor | 55,376 | sq.ft. |

| | Yes | No |
|---|---|---|
| 13. ENTIRE BUILDING SPRINKLERED | X | |

| | Yes | No |
|---|---|---|
| 14. THRESHOLD BUILDING CONDITIONS | | X |

If any proposed building or addition that exceeds one or more of the following threshold limits mark YES and then refer to CT IBC107.7: (1) four stories, (2) 60 feet high, (3) a clear span of 150 feet wide, or (4) occupancy by 1,000 or more people

15. CODES TO WHICH THIS PROJECT WAS DESIGNED

| | |
|---|---|
| State Building Code w/ CT Amendments | 2021 IBC/2022 CT amended |
| State Existing Building Code w/ CT Amendments | 2021 IEBC/2022 CT amended |
| State Fire Safety Code | 2021 IFC/2022 CT amended |
| State Plumbing Code w/ CT Amendments | 2021 IPC/2022 CT amended |
| State Mechanical Code w/ CT Amendments | 2021 IMC / 2022 CT amended |
| State Energy Conservation Code w/ CT Amend. | 2021 IECC / 2022 CT amended |
| State Electrical Code w/ CT Amendments | 2020 NFPA 70 / 2022 CT amended |
| Accessible and Usable Bldgs w/ CT Amendments | 2017 ICC A117.1 / 2022 CT amended |
| State Fire Prevention / Life Safety Code | 2021 NFPA 1 & 101 / 2022 CT amended |
| Section 504 | Current |
| ADA Standards for Accessible Design | 2010 ADA |

16. BUILDING AREAS FOR GRANT CALCULATION (ENTIRE FACILITY)

Per State Building Code Definition "Area, Building" (to interior face of exterior walls, including openings and areas under projections)

| | | |
|---|---|---|
| Existing construction prior to this project | 278,085 | sq.ft. |
| Existing being demolished and removed | 0 | sq.ft. |
| New construction | 0 | sq.ft. |
| Total Building Area of entire facility | 278,085 | sq.ft. |

Total Building Area (to interior face of exterior walls)

ENTIRE FACILITY:

| | Existing | Demo | New | Total | Not in this phase | |
|---|---|---|---|---|---|---|
| 1st Floor Level | 197,458 | 0 | 0 | 197,458 | | sq.ft. |
| 2nd Floor Level | 80,627 | 0 | 0 | 80,627 | | sq.ft. |
| 3rd Floor Level | 0 | 0 | 0 | 0 | | sq.ft. |
| Total area (all floors) | 278,085 | 0 | 0 | 278,085 | | sq.ft. |

Total net area (reduced by spaces not in this phase) 0 sq.ft.

Areas of exterior canopies which are not included in the building areas:

| | |
|---|---|
| Existing Canopy to be demolished | 0 sq.ft. |
| New Canopies | 0 sq.ft. |

Total constructed building area (to exterior face of exterior walls - "contractor area"

ENTIRE FACILITY:

| | Existing | Demo | New | Total | Not in this phase | |
|---|---|---|---|---|---|---|
| 1st Floor Level | 199,552 | 0 | 0 | 199,552 | | sq.ft. |
| 2nd Floor Level | 82,036 | 0 | 0 | 82,036 | | sq.ft. |
| 3rd Floor Level | 0 | 0 | 0 | 0 | | sq.ft. |
| Total area (all floors) | 281,588 | 0 | 0 | 281,588 | | sq.ft. |

Total net area (reduced by spaces not in this phase) 0

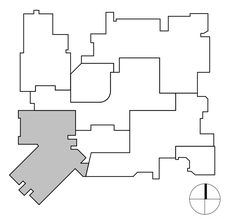
17. EXIT ACCESS

COMMON PATH OF TRAVEL LIMITATIONS (CSBC 1006.2.1)
ALLOWABLE: 75' (A & E OCC.) PROVIDED: < 75'

EXIT ACCESS TRAVEL DISTANCE LIMITATIONS (CSBC 1017.2)
ALLOWABLE: 250' (A & E OCC.) PROVIDED: < 200'

MINIMUM CORRIDOR WIDTH (CSBC 1020.3)
ALLOWABLE: 44" (A OCC.) PROVIDED: > 44"
ALLOWABLE: 72" (E OCC.) PROVIDED: > 72"

CORRIDOR DEAD END LIMITATION (CSBC 1020.5)
ALLOWABLE: 20' (A OCC.) PROVIDED: < 20'
ALLOWABLE: 50' (E OCC.) PROVIDED: < 50'



KEY PLAN PROJECT NORTH

PROJECT TITLE:
INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

| REVISION: | DESCRIPTION: | DATE: | REVISED BY: |
|---|---|---|---|

DRAWING TITLE:
BUILDING CODE PLAN AND INFORMATION, PARTITION TYPES

PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026

STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: As indicated
DRAWN BY: JLipset
PROJECT NUMBER: 23.195

DRAWING NUMBER: G002

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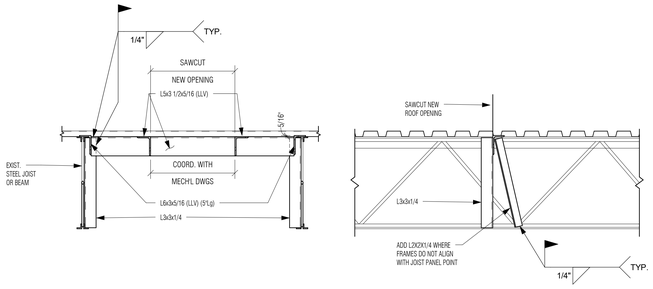
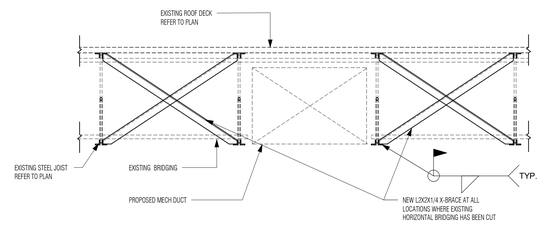



1. TYPICAL FOR ALL OPENINGS *4'-0"X4'-0"* OR LESS. FOR LARGER OPENINGS SEE SPECIFIC DETAILS.
2. SIMILAR FRAMES FOR ROOF DRAIN OPENINGS.
3. FRAMES TO BE SHOP WELDED ASSEMBLY.
4. FOR LOCATION, SIZE AND QUANTITY REQUIRED SEE ARCH'L. AND MECH'L. DRAWINGS.
5. FOR FRAMES ON JOISTS, PROVIDE JOIST REINFORCING AT BEARING LOCATIONS.

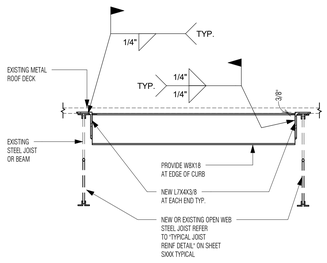
## 2 TYPICAL NEW ROOF OPENING DETAIL WITH JOISTS & TYPICAL JOIST REINF. DETAIL1

3/4" = 1'-0" REFERENCE: 1/ S112




## 3 TYPICAL X-BRACE AT CUT JOIST BRIDGING

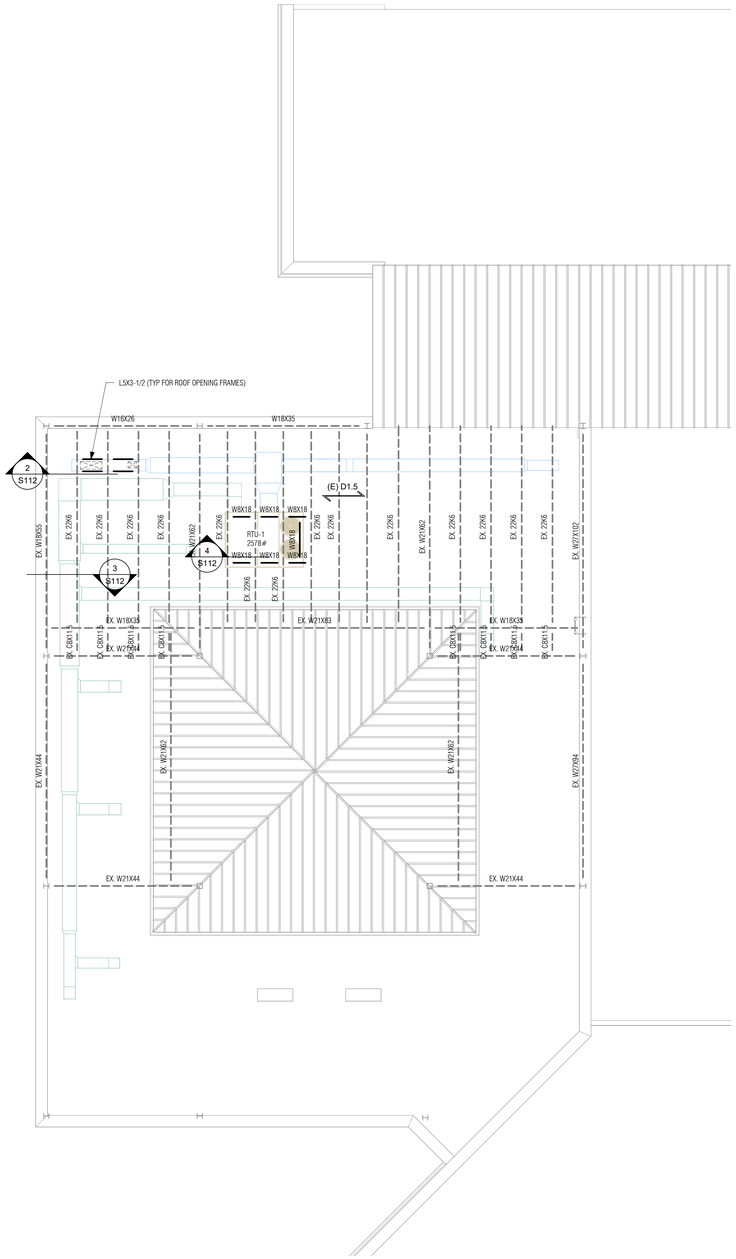
3/4" = 1'-0" REFERENCE: 1/ S112




NOTE: FASTEN CURB FOR MECH'L UNITS THRU DECKING TO STEEL JOISTS & EDGE ANGLES AT 8'O.C.

## 4 TYPICAL ROOF TOP EQUIPMENT SUPPORT (AT EXISTING STEEL JOIST)

3/4" = 1'-0" REFERENCE: 1/ S112




## 1 PARTIAL ROOF FRAMING PLAN

1/8" = 1'-0"

*ROOF CONSTRUCTION NOTES:*

1. (E) D1.5 EXISTING ROOF CONSTRUCTION: 1 1/2 "X22GA. INTERMEDIATE RIB METAL ROOF DECK.
2. ALL EXISTING SIZES, DIMENSIONS AND CONFIGURATIONS ARE BASED ON EXISTING STRUCTURAL DOCUMENTATION PREPARED BY SSE, INC. 9/24/1990.
3. CONTRACTOR TO FIELD VERIFY ALL EXISTING FRAMING SIZES, SPACING AND LOCATIONS PRIOR TO SUBMITTING SHOP DRAWINGS
4. ALL BEAM FRAMING SHALL HAVE EQUAL SPACING BETWEEN COLUMNS, UNLESS NOTED OTHERWISE.
5. REFER TO MECHANICAL AND ARCHITECTURAL DRAWINGS FOR ALL OPENING, DRAINS AND EQUIPMENT. PROVIDE FRAMES PER TYPICAL DETAILS

**GENERAL**

GOVERNING CODE: 2022 CONNECTICUT STATE BUILDING CODE, (2021 INTERNATIONAL BUILDING CODE).

DESIGN LOADS: TOWN OF WOODBRIDGE

CONSTRUCTION LIVE LOADS: 20 PSF

a. ROOF LOAD:
ROOF SNOW LOAD CRITERIA:
Pg = 30 PSF
Ce = 0.9
Is = 1.0
Ct = 1.0
Pf = 23.1 PSF

WITH INCREASES FOR SNOW DRIFTING, UNBALANCES AND SLIDING PER SECTION 1608 (2021 IBC).

MINIMUM ROOF LIVE LOAD = 30 PSF

ROOF DEAD LOAD = 15 PSF + MECHANICAL UNIT WEIGHTS

b. WIND LOAD CRITERIA: SECTION 1609 (2021 IBC)
ULTIMATE WIND SPEED $V_{ult}$ = 125 MPH
NOMINAL DESIGN WIND $V_{asd}$ = 97 MPH
RISK CATEGORY II, Iw = 1.0
EXPOSURE CLASSIFICATION "B".

WIND LOADS ON SECONDARY ELEMENTS SHALL CONFORM WITH ASCE 7-16.

DESIGN WIND PRESSURE IS COMPUTED BASED ON ULTIMATE WIND SPEED USING 10 SQUARE FOOT OF AREA.

c. SEISMIC LOAD CRITERIA: AS PER SECTION 1613 (2021 IBC) WITH:
RISK CATEGORY = II
SEISMIC IMPORTANCE FACTOR, Ie = 1.0
Ss = 0.198g, S1 = 0.054g
SOIL SITE CLASS = D (ASSUMED)
SPECTRAL RESPONSE COEFFICIENTS, Sds = 0.211G, Sd1 = 0.086g
SEISMIC DESIGN CATEGORY, B

1. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THE GENERAL STRUCTURAL NOTES, THE SPECIFICATIONS, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN.
2. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS WHICH MIGHT BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER COMPLETION OF THE PROJECT.

   THE CONTRACTOR SHALL PROVIDE SHORING CALCULATIONS AND SHORING DRAWINGS, INDICATING THE WORK TO BE PROVIDED, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF CONNECTICUT.
3. MECHANICAL EQUIPMENT WEIGHTS USED IN DESIGN OF SUPPORTING ELEMENTS HAVE BEEN INDICATED ON THE DRAWINGS. CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO INSTALLATION IF ACTUAL WEIGHT EXCEEDS WEIGHT SHOWN ON DRAWINGS.
4. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
5. SHOP DRAWINGS ARE TO BE CHECKED BY THE CONTRACTOR AND SUBCONTRACTOR AND BEAR THE CHECKER'S INITIALS BEFORE BEING SUBMITTED TO THE ARCHITECT FOR APPROVAL.
6. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES AND EXISTING CONDITIONS BEFORE PROCEEDING WITH ANY WORK.
7. ALL SECTIONS AND DETAILS SHALL BE CONSIDERED TYPICAL AND APPLY FOR THE SAME AND SIMILAR SITUATIONS THROUGHOUT THE BUILDING, UNLESS OTHERWISE SPECIFICALLY NOTED.
8. IF THE SIZE OF ELEMENTS AND DETAILING OF MEMBERS IS NOT INDICATED, THE CONTRACTOR SHALL CONTACT THE ARCHITECT TO REQUEST THE MISSING INFORMATION IN PREPARATION OF THEIR BID. THESE REFERENCED ITEMS SHALL BE PART OF THE BASE BID.
9. IN CASES OF DISCREPANCIES BETWEEN CONTRACT DOCUMENTS AND SUBMITTED SHOP DRAWINGS, THE CONTRACT DOCUMENTS SHALL GOVERN INSTALLATION OF MATERIALS.

**CONTRACTOR'S DELEGATED DESIGN**

1. CONTRACTOR SHALL RETAIN THE SERVICES OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF CONNECTICUT TO PERFORM THE DESIGN OF THE FOLLOWING:

A. STRUCTURAL STEEL CONNECTIONS
B. MECHANICAL EQUIPMENT CURB ATTACHMENT TO STEEL FRAMING.

ALL CALCULATIONS SHALL BE SIGNED AND SEALED BY THE ENGINEER AND SUBMITTED FOR REVIEW.

**STRUCTURAL STEEL**

MATERIALS:

| | |
|---|---|
| STRUCTURAL STEEL | ASTM A 36 |
| ALL W SHAPES | ASTM A 992, GR.50 |
| BOLTS | ASTM A325 |
| ANCHOR BOLTS | ASTM F1554, GRADE 36 |
| WELDING ELECTRODE | ASTM E 70 |

1. DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATION, AISC 360-10. ALL REACTIONS SHOWN ON PLAN HAVE BEEN DEVELOPED USING ALLOWABLE STRESS DESIGN.
2. WELDING SHALL CONFORM TO THE CODE FOR "ARC AND GAS WELDING IN BUILDING CONSTRUCTION" OF THE AMERICAN WELDING SOCIETY. ALL WELDING SHALL BE DONE BY A CERTIFIED WELDER.
3. FOR MISCELLANEOUS STEEL NOT SPECIFICALLY DETAILED ON STRUCTURAL DRAWINGS, REFER TO ARCHITECTURAL DRAWINGS.
4. NO WELDING OR FINAL BOLTING SHALL BE DONE UNTIL AS MUCH OF THE STRUCTURE THAT WILL BE STIFFENED THEREBY HAS BEEN PROPERLY ALIGNED.
5. SEQUENCE OF PLACING WELDS SHALL BE SUCH AS TO AVOID DISTORTION OF MEMBERS.
6. SUBSTITUTION OF STRUCTURAL STEEL MEMBERS IS PERMITTED TO FACILITATE DELIVERY AT NO ADDITIONAL COST TO THE OWNER. SUBSTITUTED MEMBERS MUST BE OF THE SAME NOMINAL DEPTH AS THE MEMBER ORIGINALLY INDICATED AND HAVE A WEIGHT GREATER THAN THAT INDICATED. BEAM FLANGES MUST NOT INFRINGE ON ADJACENT ARCHITECTURAL ELEMENTS.
7. EXISTING STEEL SURFACES TO RECEIVE FIELD WELDS SHALL BE THOROUGHLY CLEANED UNTIL FREE FROM PAINT, RUST, GREASE, ETC.
8. CONTRACTOR IS RESPONSIBLE FOR PROVIDING NEW STEEL FRAMES, AS DETAILED ON THE STRUCTURAL DRAWINGS, AT ALL NEW ROOF OPENINGS REQUIRED BY ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS IN BOTH NEW AND EXISTING STRUCTURES. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE CONTRACT DOCUMENTS AND INCLUDE THESE FRAMES IN THEIR BID PRICE. THESE NEW STEEL FRAMES FOR OPENINGS ARE IN ADDITION TO THE FRAMES SPECIFICALLY INDICATED ON THE DRAWINGS FOR SPECIFIC SUPPORT CONDITIONS.
9. CONSTRUCTION MANAGER IS RESPONSIBLE TO COORDINATE THE MECHANICAL CURB DIMENSIONS FOR MECHANICAL EQUIPMENT BETWEEN THE MECHANICAL CONTRACTOR AND STRUCTURAL STEEL FABRICATOR. THE STRUCTURAL STEEL SHALL BE LOCATED ON THE CENTERLINE OF THE MECHANICAL CURB.
10. STEEL CONTRACTOR SHALL PROVIDE SKETCHES FOR ALL CORRECTIVE FIELD WORK WHICH SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL. ALL SKETCHES SHALL BE SIGNED AND SEALED BY THE STEEL FABRICATORS CONNECTIONS ENGINEER.

PROJECT TITLE:
INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

MHAI
Michael Horton Associates Inc.
Consulting Structural Engineers
780 East Main Street
Branford, Connecticut 06405
203-481-8600 mha-eng.com

REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE: PARTIAL ROOF FRAMING PLAN
PROJECT SUBMISSION: ISSUED FOR BID: 05/01/2026
STATE PROJECT NUMBER: 205-0046 A
DATE: 11/07/2025
SCALE: As indicated
DRAWN BY: AC
PROJECT NUMBER: 23.195
DRAWING NUMBER: S112

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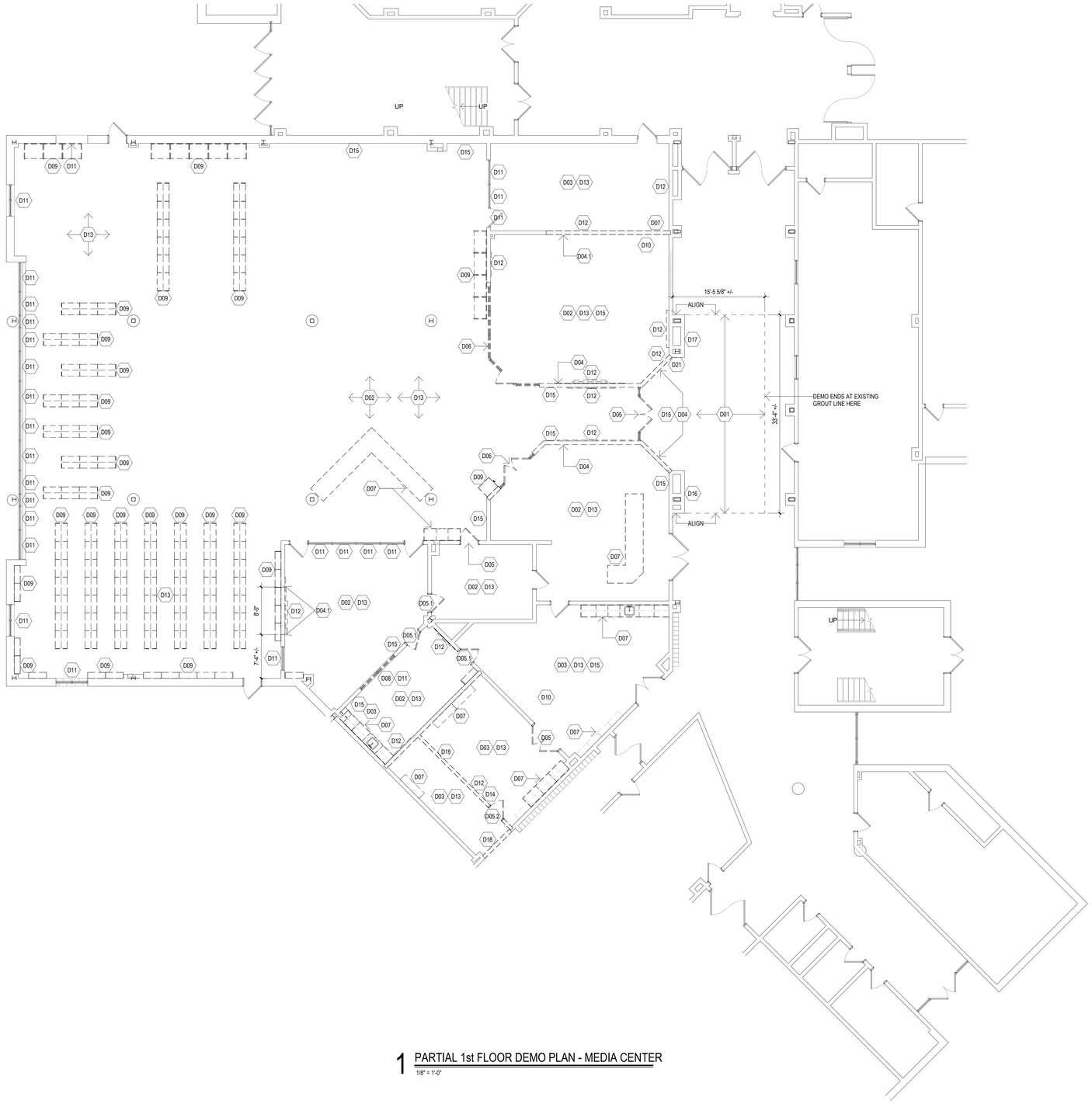



1 PARTIAL 1st FLOOR DEMO PLAN - MEDIA CENTER
1/8" = 1'-0"

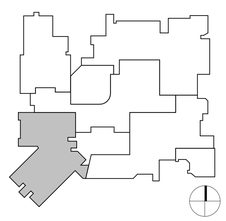
## DEMOLITION GENERAL NOTES

- READ ALL GENERAL NOTES ON ALL DRAWINGS.
- PROPERLY DISPOSE OF ALL ITEMS IDENTIFIED IN DEMOLITION NOTES BELOW, UNLESS OTHERWISE NOTED.
- DEMOLITION TAGS WITHOUT LEADERS AND LOCATED BENEATH EXISTING ROOM NAMES SHALL APPLY IN ENTIRETY TO THE ROOM IN WHICH THEY ARE LOCATED.
- COORDINATE ARCHITECTURAL DEMOLITION WORK WITH ALL OTHER TRADES, INCLUDING HAZARDOUS MATERIAL ABATEMENT DRAWINGS IF APPLICABLE
- WHERE INCONSISTENCIES OCCUR, NOTIFY THE DESIGN TEAM AND ASSUME THE GREATER VALUE FOR BIDDING PURPOSES.
- CONTRACTORS SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS.
- SAW CUT AND REMOVE CONCRETE SLAB AND SUB-BASE AT ALL AREAS AS NECESSARY TO ALLOW FOR NEW UNDERSLAB PIPING, CONDUIT, RADON PITS, AND UTILITIES. COORD. w/ M/E/P/FP DRAWINGS.
- PROVIDE NEW OPENINGS IN EXISTING WALLS AS NECESSARY FOR ALL NEW PENETRATIONS BY DUCT, PIPE, CONDUIT, ETC.
- ALL EXISTING BASE TRIM (INCLUDING EXISTING WALLS TO REMAIN), WINDOW TREATMENTS, SHADES, HARDWARE, ETC. TO BE REMOVED AND DISPOSED.
- ALL ADHERED SURFACES ON EXISTING TO REMAIN WALLS, INCLUDING BUT NOT LIMITED TO WALLCOVERING, TACKBOARDS, DISPLAY SYSTEMS, DISPENSERS, TO BE REMOVED.
- PROVIDE TEMPORARY SHORING AT ALL NEW AND WIDENED OPENINGS THROUGH LOAD BEARING WALLS, COORD. w/ FLOOR PLANS AND STRUCTURAL DRAWINGS.
- NOT ALL DEMOLITION NOTES ARE PRESENT ON EVERY DEMOLITION SHEET.
- ITEMS IDENTIFIED w/ DASHED LINES, AS SHOWN BELOW, BUT WIHTOUT TAGS, SHALL BE ASSUMED AS ITEMS TO BE DEMOLISHED.

TYPICAL DEMOLITION DESIGNATION

## DEMOLITION KEYNOTES

| | |
|---|---|
| D01 | REMOVE AND DISPOSE OF PORTION OF EXISTING FLOOR TILE, GROUT, MORTAR, THINSET, AND WALL BASE, ALIGN w/ WALL EDGE AS INDICATED - EXISTING SUBFLOOR TO REMAIN |
| D02 | REMOVE AND DISPOSE OF EXISTING BROADLOOM CARPET, ADHESIVES, AND WALL BASE - EXISTING SUBFLOOR TO REMAIN |
| D03 | REMOVE AND DISPOSE OF EXISTING VINYL COMPOSITE TILE, ADHESIVES, AND WALL BASE - EXISTING SUBFLOOR TO REMAIN |
| D04 | REMOVE AND DISPOSE OF EXISTING 8" NON-LOAD BEARING-MASONRY WALL TO UNDERSIDE OF DECK ABOVE, INCLUDING ALL FINISHES, BASE, DEVICES, WIRING, AND APPURTENANCES; COORD. w/ CONSTRUCTION PLANS. |
| D04.1 | REMOVE AND DISPOSE OF PORTION OF EXISTING 8" NON-LOAD BEARING-MASONRY WALL TO UNDERSIDE OF DECK ABOVE, INCLUDING ALL FINISHES, BASE, DEVICES, WIRING, AND APPURTENANCES; OVER DEMO, DO NOT CUT UNITS; COORD. w/ CONSTRUCTION PLANS. |
| D05 | REMOVE AND DISPOSE OF EXISTING WOOD DOOR(S), GLAZING IF APPLICABLE, HOLLOW METAL FRAME, AND HARDWARE, OVER DEMO TO ALLOW FOR NEW CMU BLOCK TO BE TOOTHED-IN |
| D05.1 | REMOVE SALVAGE EXISTING WOOD DOOR AND HARDWARE FOR REUSE IN NEW LOCATION, GLAZING IF APPLICABLE; DISPOSE OF HOLLOW METAL FRAME, OVER DEMO TO ALLOW FOR NEW CMU BLOCK TO BE TOOTHED-IN |
| D05.2 | REMOVE SALVAGE EXISTING WOOD DOOR, ACCESS CONTROL, AND HARDWARE FOR REUSE IN NEW LOCATION; DISPOSE OF HOLLOW METAL FRAME, OVER DEMO TO ALLOW FOR NEW CMU BLOCK TO BE TOOTHED-IN |
| D06 | REMOVE AND DISPOSE OF EXISTING ALUMINUM STOREFRONT FRAME, DOOR(S), HARDWARE, AND WINDOW COVERINGS |
| D07 | REMOVE AND DISPOSE OF EXISTING MILLWORK, INCLUDING BASE, WALL, AND TALL CABINETS, COUNTERTOPS, SHELVES, METAL STANDARDS, SINK FIXTURE AND FAUCET IF APPLICABLE, AND HARDWARE; COORD. w/ PLUMBING DRAWINGS |
| D08 | REMOVE AND SALVAGE FOR REUSE IN NEW LOCATION EXISTING INTERIOR WINDOW GLAZING AND HOLLOW METAL FRAME, OVER DEMO TO ALLOW FOR NEW CMU BLOCK TO BE TOOTHED IN |
| D09 | REMOVE AND DISPOSE OF EXISTING LIBRARY SHELVING AND DISPLAY MILLWORK, WALL-MOUNTED AND FREE-STANDING, INCLUDING STUDY CARRELS |
| D10 | REMOVE AND SALVAGE EXISTING WALL-MOUNTED SERVER EQUIPMENT FOR REUSE IN NEW LOCATION, COORD. w/ ELECTRICAL DRAWINGS |
| D11 | REMOVE AND DISPOSE OF EXISTING WINDOW COVERINGS |
| D12 | REMOVE AND DISPOSE OF ALL EXISTING WALL BOARDS, INCLUDING MARKER, TACK, INTERACTIVE, AND PROJECTION SCREENS |
| D13 | REMOVE AND DISPOSE OF ALL SUSPENDED LAY-IN CEILING SYSTEMS INCLUDING GRID, TILES, ASSOCIATED HANGERS AND ANCHORS, CEILING MOUNTED LIGHTS, FIXTURES, DEVICES, AV EQUIP., MECHANICAL SYSTEM SUPPLY AND RETURN LOUVERS, SPRINKLER HEADS AS INDICATED, COORD. w/ FIRE PROTECTION, MECHANICAL, AND ELECTRICAL DRAWINGS; HARD SURFACES TO REMAIN. |
| D14 | REMOVE AND SALVAGE EXISTING FIRE EXTINGUISHER AND RETURN TO OWNER |
| D15 | REMOVE AND DISPOSE OF ALL WALL-MOUNTED ACCESSORIES SUCH AS, BUT NOT LIMITED TO, SIGNAGE, DIGITAL DISPLAY, ART DISPLAY SYSTEM, MIRRORS, DISPENSERS AND FLAG MOUNTS |
| D16 | REMOVE AND SALVAGE RECESSED FIRE EXTINGUISHER CABINET, REINSTALL IN NEW LOCATION, COORD. w/ NEW WORK PLAN |
| D17 | REMOVE AND SALVAGE EGRESS PLAN, RETURN TO OWNER |
| D18 | REMOVE AND DISPOSE OF EXISTING METAL STUD AND GYPSUM INFILL, INCLUDING ALL FINISHES, BASE, DEVICES, WIRING, AND APPURTENANCES, COORD. w/ CONSTRUCTION PLANS |
| D19 | REMOVE AND DISPOSE OF EXISTING METAL STUD AND GYPSUM WALL, INCLUDING ALL FINISHES, BASE, DEVICES, WIRING, AND APPURTENANCES, COORD. w/ CONSTRUCTION PLANS |
| D20 | REMOVE AND DISPOSE OF LOUVER. |
| D21 | REMOVE AND SALVAGE LIBRARY PLAQUE, REINSTALL IN NEW LOCATION, COORD. w/ NEW WORK PLAN |



KEY PLAN

PROJECT NORTH

PROJECT TITLE:
INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

| REVISION: | DESCRIPTION: | DATE: | REVISED BY: |
|---|---|---|---|

DRAWING TITLE:
PARTIAL 1st FLOOR DEMOLITION PLAN - MEDIA CENTER

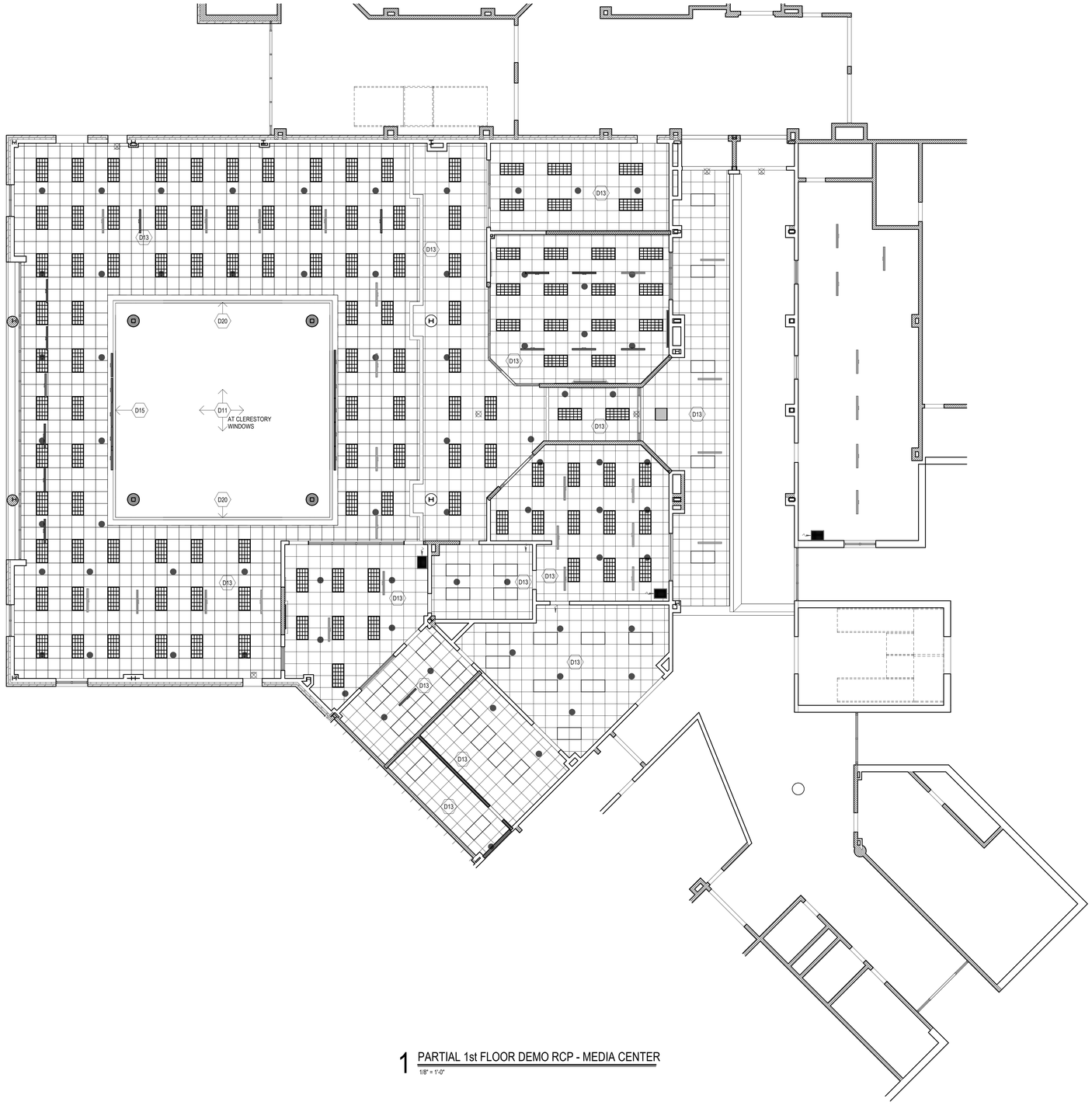
PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026

STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: As indicated
DRAWN BY: JLipset
PROJECT NUMBER: 23.195

DRAWING NUMBER: A011

4/30/2026 2:05:06 PM




1 PARTIAL 1st FLOOR DEMO RCP - MEDIA CENTER
1/8" = 1'-0"

## DEMOLITION GENERAL NOTES

- READ ALL GENERAL NOTES ON ALL DRAWINGS.
- PROPERLY DISPOSE OF ALL ITEMS IDENTIFIED IN DEMOLITION NOTES BELOW, UNLESS OTHERWISE NOTED.
- DEMOLITION TAGS WITHOUT LEADERS AND LOCATED BENEATH EXISTING ROOM NAMES SHALL APPLY IN ENTIRETY TO THE ROOM IN WHICH THEY ARE LOCATED.
- COORDINATE ARCHITECTURAL DEMOLITION WORK WITH ALL OTHER TRADES, INCLUDING HAZARDOUS MATERIAL ABATEMENT DRAWINGS IF APPLICABLE
- WHERE INCONSISTENCIES OCCUR, NOTIFY THE DESIGN TEAM AND ASSUME THE GREATER VALUE FOR BIDDING PURPOSES.
- CONTRACTORS SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS.
- SAW CUT AND REMOVE CONCRETE SLAB AND SUB-BASE AT ALL AREAS AS NECESSARY TO ALLOW FOR NEW UNDERSLAB PIPING, CONDUIT, RADON PITS, AND UTILITIES. COORD. w/ M/E/P/FP DRAWINGS.
- PROVIDE NEW OPENINGS IN EXISTING WALLS AS NECESSARY FOR ALL NEW PENETRATIONS BY DUCT, PIPE, CONDUIT, ETC.
- ALL EXISTING BASE TRIM (INCLUDING EXISTING WALLS TO REMAIN), WINDOW TREATMENTS, SHADES, HARDWARE, ETC. TO BE REMOVED AND DISPOSED.
- ALL ADHERED SURFACES ON EXISTING TO REMAIN WALLS, INCLUDING BUT NOT LIMITED TO WALLCOVERING, TACKBOARDS, DISPLAY SYSTEMS, DISPENSERS, TO BE REMOVED.
- PROVIDE TEMPORARY SHORING AT ALL NEW AND WIDENED OPENINGS THROUGH LOAD BEARING WALLS, COORD. w/ FLOOR PLANS AND STRUCTURAL DRAWINGS.
- NOT ALL DEMOLITION NOTES ARE PRESENT ON EVERY DEMOLITION SHEET.
- ITEMS IDENTIFIED w/ DASHED LINES, AS SHOWN BELOW, BUT WIHTOUT TAGS, SHALL BE ASSUMED AS ITEMS TO BE DEMOLISHED.

TYPICAL DEMOLITION DESIGNATION

## DEMOLITION KEYNOTES

| | |
|---|---|
| D01 | REMOVE AND DISPOSE OF PORTION OF EXISTING FLOOR TILE, GROUT, MORTAR, THINSET, AND WALL BASE, ALIGN w/ WALL EDGE AS INDICATED - EXISTING SUBFLOOR TO REMAIN |
| D02 | REMOVE AND DISPOSE OF EXISTING BROADLOOM CARPET, ADHESIVES, AND WALL BASE - EXISTING SUBFLOOR TO REMAIN |
| D03 | REMOVE AND DISPOSE OF EXISTING VINYL COMPOSITE TILE, ADHESIVES, AND WALL BASE - EXISTING SUBFLOOR TO REMAIN |
| D04 | REMOVE AND DISPOSE OF EXISTING 8" NON-LOAD BEARING-MASONRY WALL TO UNDERSIDE OF DECK ABOVE, INCLUDING ALL FINISHES, BASE, DEVICES, WIRING, AND APPURTENANCES; COORD. w/ CONSTRUCTION PLANS. |
| D04.1 | REMOVE AND DISPOSE OF PORTION OF EXISTING 8" NON-LOAD BEARING-MASONRY WALL TO UNDERSIDE OF DECK ABOVE, INCLUDING ALL FINISHES, BASE, DEVICES, WIRING, AND APPURTENANCES; OVER DEMO, DO NOT CUT UNITS; COORD. w/ CONSTRUCTION PLANS. |
| D05 | REMOVE AND DISPOSE OF EXISTING WOOD DOOR(S), GLAZING IF APPLICABLE, HOLLOW METAL FRAME, AND HARDWARE, OVER DEMO TO ALLOW FOR NEW CMU BLOCK TO BE TOOTHED-IN |
| D05.1 | REMOVE SALVAGE EXISTING WOOD DOOR AND HARDWARE FOR REUSE IN NEW LOCATION, GLAZING IF APPLICABLE; DISPOSE OF HOLLOW METAL FRAME, OVER DEMO TO ALLOW FOR NEW CMU BLOCK TO BE TOOTHED-IN |
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| D19 | REMOVE AND DISPOSE OF EXISTING METAL STUD AND GYPSUM WALL, INCLUDING ALL FINISHES, BASE, DEVICES, WIRING, AND APPURTENANCES; COORD. w/ CONSTRUCTION PLANS |
| D20 | REMOVE AND DISPOSE OF LOUVER. |
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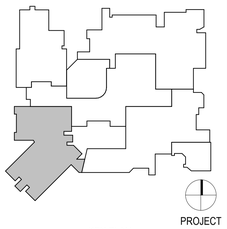

KEY PLAN

PROJECT NORTH

PROJECT TITLE:
INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE:
PARTIAL 1st FLOOR DEMOLITION RCP - MEDIA CENTER

PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026

STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: As indicated
DRAWN BY: JLipset
PROJECT NUMBER: 23.195

DRAWING NUMBER: A021

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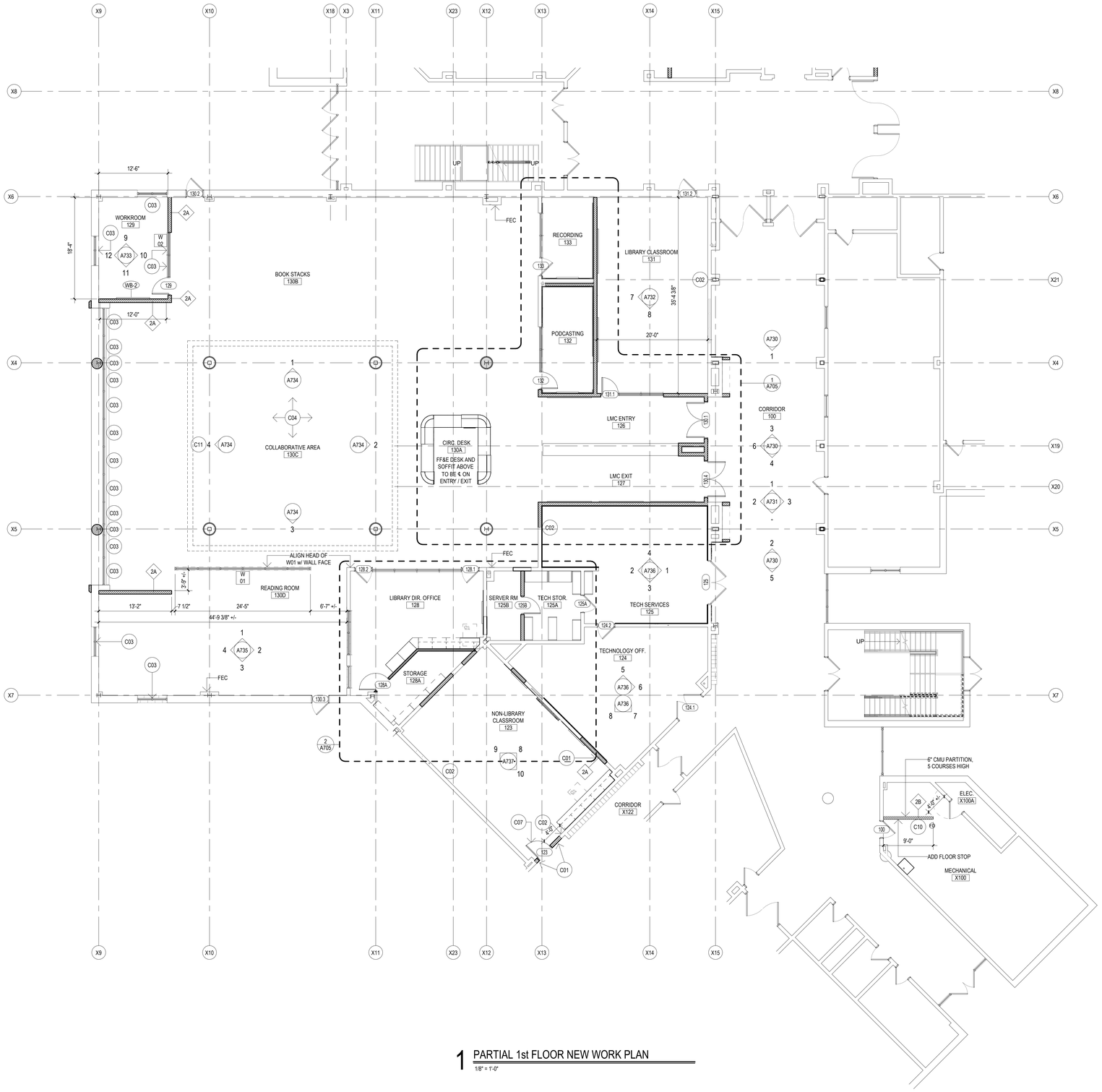


1 PARTIAL 1st FLOOR NEW WORK PLAN
1/8" = 1'-0"

## SYMBOL LEGEND

- NEW METAL STUD PARTITIONS
- NEW MASONRY WALL
- NEW CMU WALL
- EXISTING WALL
- E 101 A - DOOR NUMBER
- XX - WINDOW TYPE
- ROOM NAME / ### - ROOM NAME / ROOM NUMBER
- 1A - PARTITION TYPE
- C - CONSTRUCTION NOTE
- 2 / A101 - EXTERIOR ELEVATION NUMBER / SHEET NUMBER
- 2 / A101 - INTERIOR ELEVATION NUMBER / SHEET NUMBER
- 1 / A400 - 1 / A400 - BUILDING SECTION NUMBER / SHEET NUMBER
- 1 / A400 - WALL SECTION NUMBER / SHEET NUMBER
- F.E.C. - FIRE EXTINGUISHER CABINET
- FD - FLOOR DRAIN - SLOPE TO DRAIN

## GENERAL NOTES

- READ ALL GENERAL NOTES ON ALL DRAWINGS.
- CONTRACTORS SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.
- PATCH TO MATCH ALL EXISTING TO REMAIN WALLS, CEILINGS, AND SURFACES THAT ARE AFFECTED BY THE NEW WORK.
- ALL NEW WALL AND PARTITION ASSEMBLIES SHALL EXTEND TO UNDERSIDE OF DECK UNLESS OTHERWISE NOTED.
- PROVIDE CMU WITH PRE-MANUFACTURED BULLNOSE AT ALL EXPOSED CORNERS.
- WHERE THE WORD "ALIGN" IS INDICATED IT SHALL MEAN TO ALIGN BOTH SIDES OF WALL.
- ALL EXISTING WALLS AND NEW WALLS MUST BE PREPPED ACCORDINGLY BEFORE FINISHES ARE APPLIED; REFER TO PROJECT MANUAL.
- PROVIDE ANCHORS TO TOPS, JAMBS, AND SILLS OF CURTAIN WALLS OR STOREFRONT SYSTEMS.

## CONSTRUCTION KEYNOTES

| | |
|---|---|
| C01 | INFILL OPENING AT EXISTING CMU WALL. NEW CMU TO MATCH CMU WIDTH, DEPTH, COURSING, AND MORTAR JOINTS. |
| C02 | PATCH AND REPAIR ALL REMAINING WALLS THAT PREVIOUSLY INTERSECTED w/ DEMOLISHED WALLS |
| C03 | PROVIDE AND INSTALL BOX VALANCE AND MANUALLY OPERATED SOLAR ROLLER SHADE (WS-1); REFER TO PROJECT MANUAL |
| C04 | PROVIDE AND INSTALL MOTORIZED SOLAR ROLLER SHADE (WS-2); REFER TO PROJECT MANUAL AND COORD. w/ ELECTRICAL DRAWINGS |
| C05 | INSTALL EXISTING, SALVAGED HM FRAME AND GLAZING IN NEW LOCATION. ALIGN SILL AND HEAD w/ ADJACENT EXISTING HM FRAME; COORDINATE w/ DEMO PLAN |
| C06 | INSTALL EXISTING SALVAGED DOOR AND HARDWARE IN NEW H.M. FRAME |
| C06.1 | INSTALL EXISTING SALVAGED DOOR, ACCESS CONTROL, AND HARDWARE IN NEW H.M. FRAME |
| C07 | ALTER SALVAGED EXISTING WOOD DOOR w/ NEW VISION LIGHT TO MATCH ADJACENT CLASSROOM DOOR; INSTALL EXISTING ALTERED DOOR AND HARDWARE IN NEW H.M. FRAME IN NEW LOCATION |
| C08 | GROUT CORES OF EXISTING MASONRY WALLS SOLID FOR ACOUSTICAL ISOLATION BETWEEN ADJACENT ROOMS |
| C09 | PATCH IN GYP BOARD WHERE LOUVER WAS REMOVED. PATCH AS REQUIRED AND PAINT TO MATCH ADJACENT FINISH. |
| C10 | PROVIDE SPLIT FACE SOLID CAP BLOCK AT TOP OF PARTIAL HEIGHT PARTITION |
| C11 | PROVIDE AND INSTALL (4) DIGITAL DISPLAYS w/ LOW-PROFILE TILT WALL-MOUNT HARDWARE; PROVIDE POWER / DATA AS REQ'D |
| C12 | REINSTALL SALVAGED RECESSED FIRE EXTINGUISHER CABINET AND LIBRARY PLAQUE; REFER TO ELEVATION 6/A730 |

## WALL BOARD SCHEDULE

| | |
|---|---|
| TB-1 | 8'-0" x 4'-0" TACK BOARD |
| WB-1 | 16'-0" x 4'-0" WHITE BOARD w/ TRAY |
| WB-2 | 12'-0" x 4'-0" WHITE BOARD w/ TRAY |
| WB-3 | 8'-0" x 4'-0" WHITE BOARD w/ TRAY |
| WB-4 | 8'-0" x 4'-0" WHITE BOARD |
| WB-5 | 6'-0" x 4'-0" WHITE BOARD w/ TRAY |
| WB-6 | 6'-0" x 4'-0" WHITE BOARD |

KEY PLAN — PROJECT NORTH

PROJECT TITLE:
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SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE:
PARTIAL 1st FLOOR NEW WORK PLAN - MEDIA CENTER
PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026
STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: As indicated
DRAWN BY: JLipset
PROJECT NUMBER: 23.195
DRAWING NUMBER: A111

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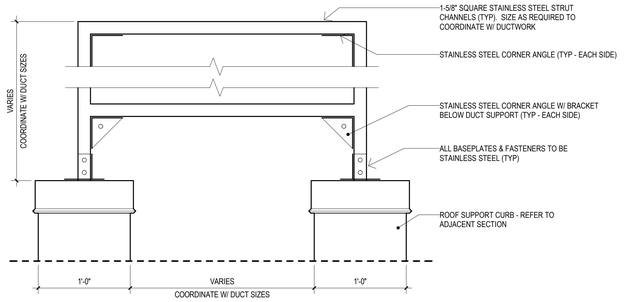
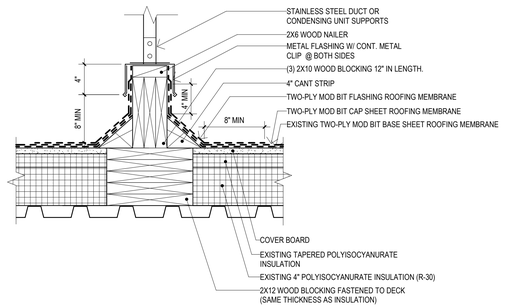


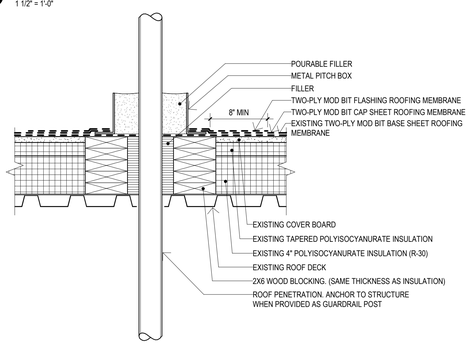

## 6 DUCT SUPPORT (ELEVATION) @ TWO-PLY ROOF

1 1/2" = 1'-0"



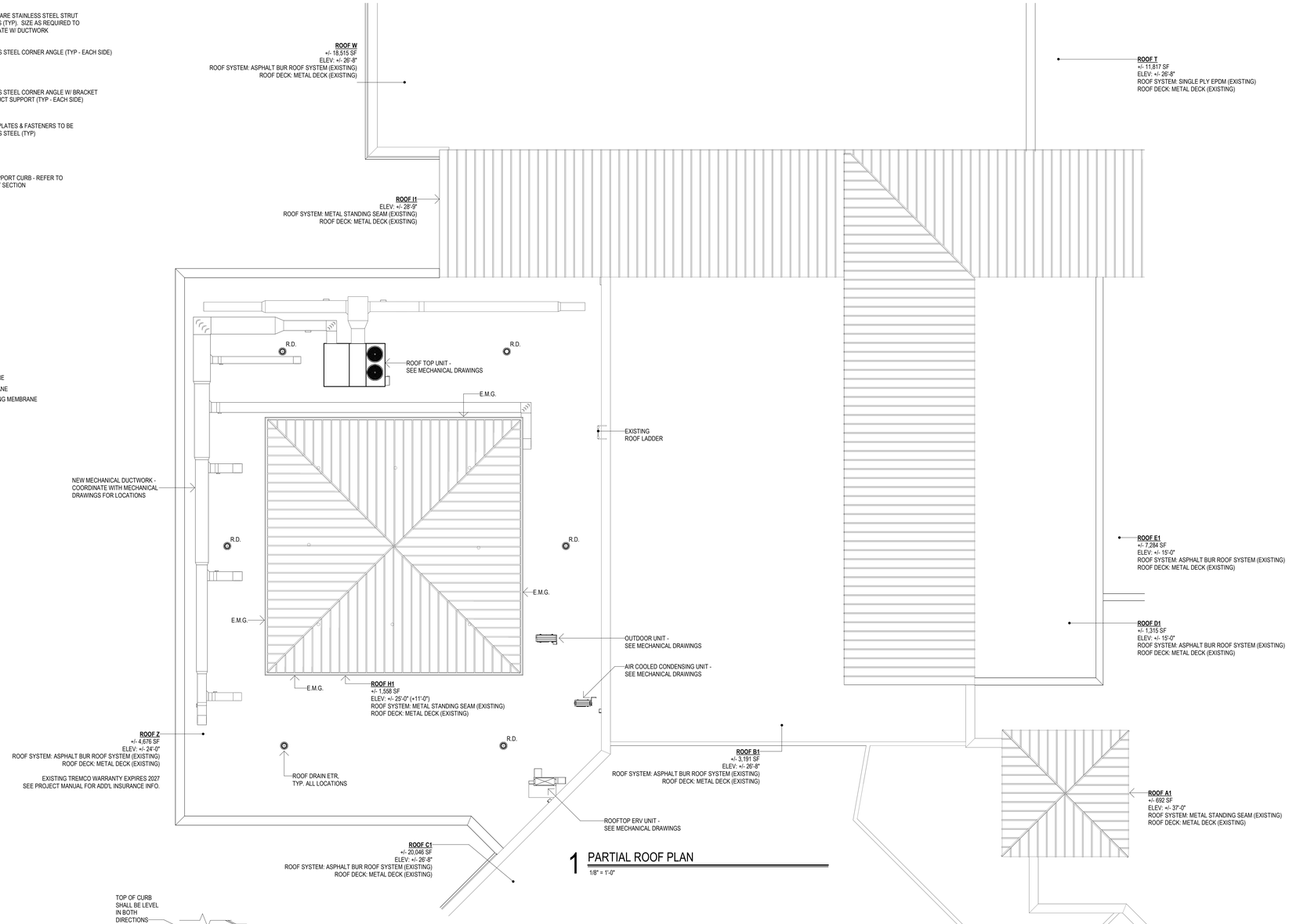

## 5 DUCT SUPPORT (SECTION) @ TWO-PLY ROOF

1 1/2" = 1'-0"



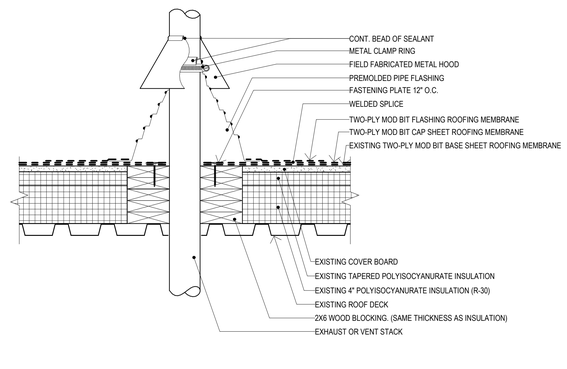

## 4 PITCH POCKET DETAIL @ TWO-PLY ROOF

1 1/2" = 1'-0"



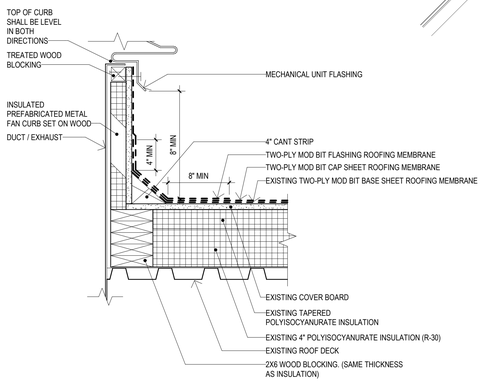

## 1 PARTIAL ROOF PLAN

1/8" = 1'-0"




## 3 VENT STACK DETAIL @ TWO-PLY ROOF

1 1/2" = 1'-0"




## 2 PREFABRICATED CURB DETAIL @ TWO-PLY ROOF

1 1/2" = 1'-0"

## ROOF LEGEND

| | |
|---|---|
| X / XX | - PLAN, SEC., DETAIL OR ELEV. NUMBER - SHEET NUMBER |
| 1/2" @ 5" SLOPE | - ROOF SLOPE AND DIRECTION |
| | - CRICKET |
| E.M.G. | - EXISTING METAL GUTTER |
| R.V. | - RIDGE VENT |
| H.P. | - INDICATES HIGH POINT OF GUTTER |
| V.S. | - VENT STACK |
| E.R.D. | - EXISTING ROOF DRAIN |
| E.V. | - EXHAUST VENT / LOUVER |
| D.S. | - 3 x 4 ALUMINUM DOWNSPOUT |

## ROOF DEMO/CONSTRUCTION NOTES

- ALL MATERIALS ARE NEW UNLESS OTHERWISE NOTED "EXISTING".
- ALL WOOD BLOCKING (P.T.), PLYWOOD & NAILERS ARE TO BE PRESSURE TREATED (P.T.)
- ALL WOOD BLOCKING (P.T.) INDICATED IN DETAILS ARE TO BE ANCHORED TO THE EXISTING STRUCTURE
- CONTRACTOR ASSUMES ALL RESPONSIBILITY DURING PROJECT & WILL REPLACE ANY & ALL DAMAGED EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER
- SITE AREAS DISTURBED SHALL BE CLEANED & RE-LEVELED, W/ LAWN AREAS MAGNETICALLY RAKED TO REMOVE ANY METAL DEBRIS & RE-SEEDED AS REQUIRED TO MATCH ADJACENT CONDITIONS
- CONTRACTOR IS TO MAKE ROOF WATER TIGHT AT THE END OF EACH WORK DAY, INCLUDING ALL ROOF PENETRATIONS.
- REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION ON STRUCTURAL REINFORCEMENT
- REFER TO M/E/P DRAWINGS FOR ADDITIONAL INFORMATION & COORDINATE IF THERE ARE ANY DISCREPANCIES.

## CODE INFORMATION (2015 IEBC)

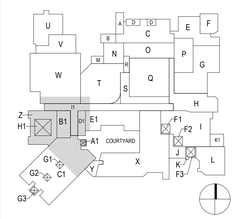
| | |
|---|---|
| PRIMARY USE GROUP: | R-2 |
| CONSTRUCTION CLASS: | VB |

## ENERGY CONSERVATION

IBC CODE REQUIREMENT R-VALUE

## ROOF AREAS

| | | |
|---|---|---|
| ROOF A1 | 692 SF +/- | (METAL STANDING SEAM) |
| ROOF B1 | 3,191 SF +/- | (ASPHALT BUR ROOF SYSTEM) |
| ROOF C1 | 20,046 SF +/- | (ASPHALT BUR ROOF SYSTEM) |
| ROOF D1 | 1,315 SF +/- | (ASPHALT BUR ROOF SYSTEM) |
| ROOF E1 | 7,284 SF +/- | (ASPHALT BUR ROOF SYSTEM) |
| ROOF H1 | 1,558 SF +/- | (METAL STANDING SEAM) |
| ROOF I1 | 10,360 SF +/- | (METAL STANDING SEAM) |
| ROOF T | 11,817 SF +/- | (SINGLE PLY EPDM) |
| ROOF W | 18,515 SF +/- | (ASPHALT BUR ROOF SYSTEM) |
| ROOF Z | 4,676 SF +/- | (ASPHALT BUR ROOF SYSTEM) |

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PARTIAL ROOF PLAN

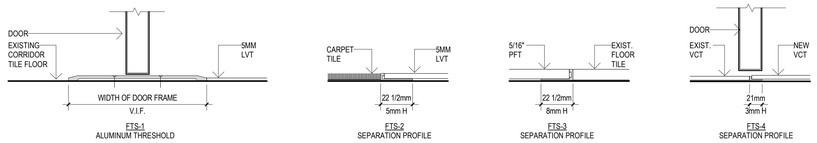
PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026

STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: As indicated
DRAWN BY: MJaekle
PROJECT NUMBER: 23.195

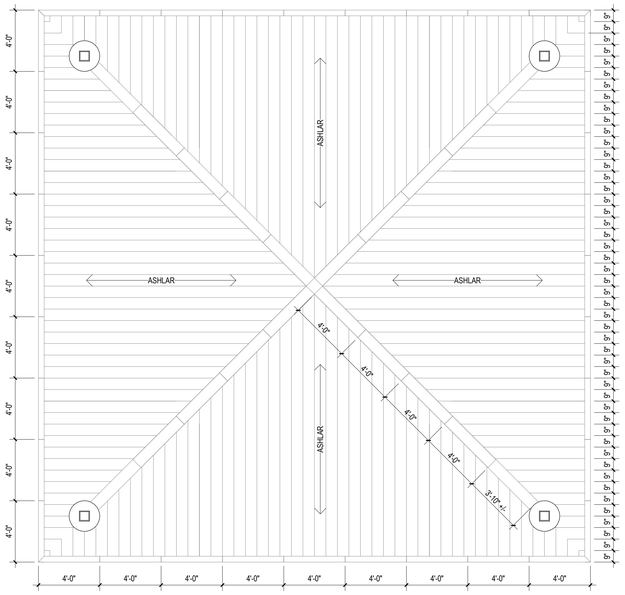
DRAWING NUMBER: A112

4/30/2026 2:08:11 PM



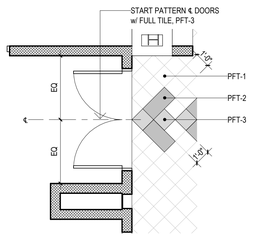

## 4 FLOOR TRANSITION DETAILS

NOT TO SCALE



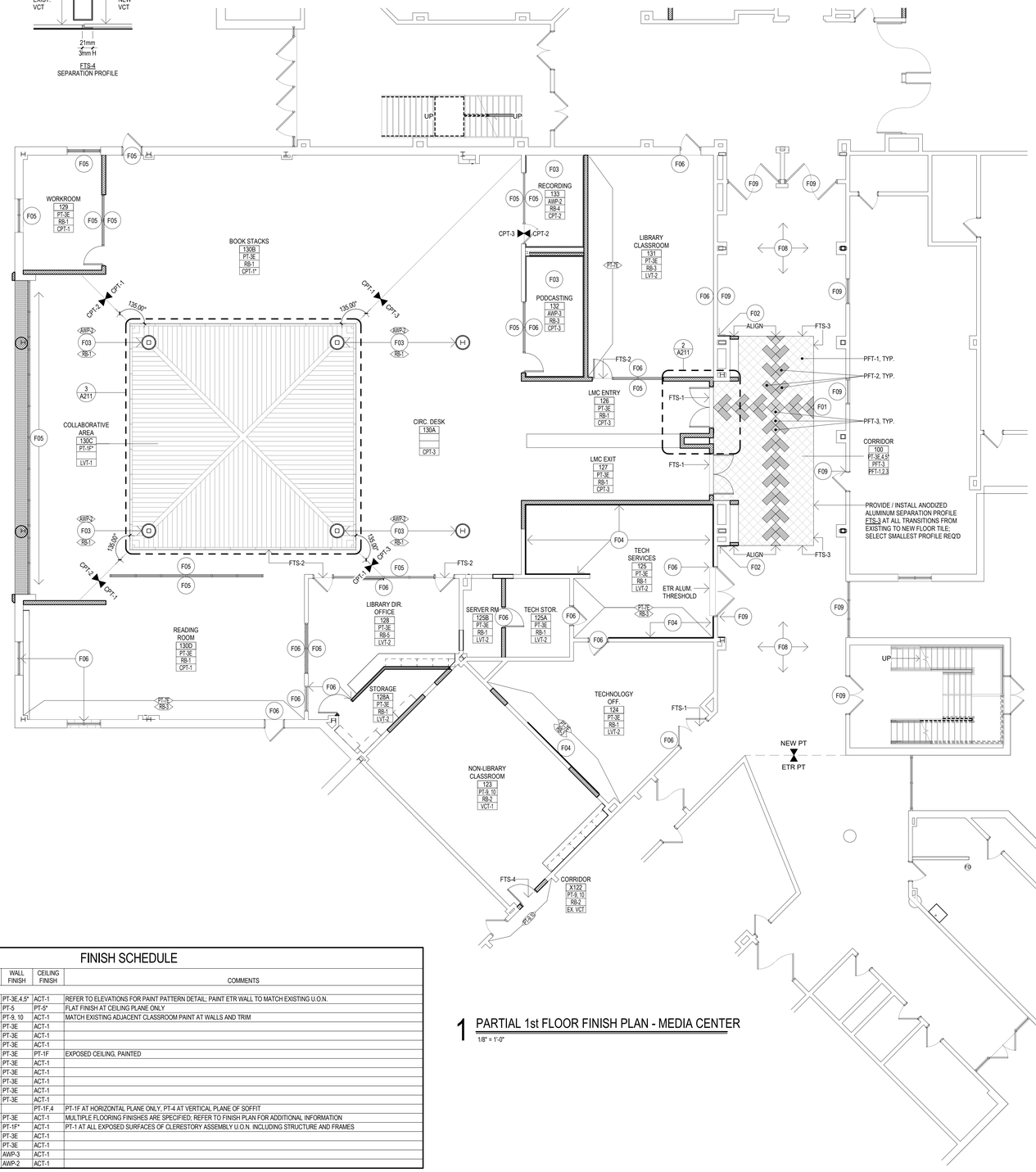

## 3 ENLARGED LVT-1 FLOOR PATTERN

1/4" = 1'-0" REFERENCE DWG: 1 / A211




## 2 ENLARGED PFT FLOOR PATTERN DETAIL

1/4" = 1'-0" REFERENCE DWG: 1 / A211




## 1 PARTIAL 1st FLOOR FINISH PLAN - MEDIA CENTER

1/8" = 1'-0"

### FINISH SCHEDULE

| ROOM NO. | ROOM NAME | FLOOR FINISH | BASE FINISH | WALL FINISH | CEILING FINISH | COMMENTS |
|---|---|---|---|---|---|---|
| 100 | CORRIDOR | PFT-1,2,3 | PFT-3 | PT-3E,4.5* | ACT-1 | REFER TO ELEVATIONS FOR PAINT PATTERN DETAIL; PAINT ETR WALL TO MATCH EXISTING U.O.N. |
| 100A | VESTIBULE | PFT-1,2,3 | PFT-3 | PT-5 | PT-5* | FLAT FINISH AT CEILING PLANE ONLY |
| 123 | NON-LIBRARY CLASSROOM | VCT-1 | RB-2 | PT-9, 10 | ACT-1 | MATCH EXISTING ADJACENT CLASSROOM PAINT AT WALLS AND TRIM |
| 124 | TECHNOLOGY OFF. | LVT-2 | RB-1 | PT-3E | ACT-1 | |
| 125 | TECH SERVICES | LVT-2 | RB-1 | PT-3E | ACT-1 | |
| 125A | TECH STOR. | LVT-2 | RB-1 | PT-3E | ACT-1 | |
| 125B | SERVER RM | LVT-2 | RB-1 | PT-3E | PT-1F | EXPOSED CEILING, PAINTED |
| 126 | LMC ENTRY | CPT-3 | RB-1 | PT-3E | ACT-1 | |
| 127 | LMC EXIT | CPT-3 | RB-1 | PT-3E | ACT-1 | |
| 128 | LIBRARY DIR. OFFICE | LVT-2 | RB-5 | PT-3E | ACT-1 | |
| 128A | STORAGE | LVT-2 | RB-1 | PT-3E | ACT-1 | |
| 129 | WORKROOM | CPT-1 | RB-1 | PT-3E | ACT-1 | |
| 130A | CIRC. DESK | CPT-3 | | | PT-1F,4 | PT-1F AT HORIZONTAL PLANE ONLY, PT-4 AT VERTICAL PLANE OF SOFFIT |
| 130B | BOOK STACKS | CPT-1* | RB-1 | PT-3E | ACT-1 | MULTIPLE FLOORING FINISHES ARE SPECIFIED; REFER TO FINISH PLAN FOR ADDITIONAL INFORMATION |
| 130C | COLLABORATIVE AREA | LVT-1 | | PT-1F* | ACT-1 | PT-1 AT ALL EXPOSED SURFACES OF CLERESTORY ASSEMBLY U.O.N. INCLUDING STRUCTURE AND FRAMES |
| 130D | READING ROOM | CPT-1 | RB-1 | PT-3E | ACT-1 | |
| 131 | LIBRARY CLASSROOM | LVT-2 | RB-3 | PT-3E | ACT-1 | |
| 132 | PODCASTING | CPT-3 | RB-3 | AWP-3 | ACT-1 | |
| 133 | RECORDING | CPT-2 | RB-4 | AWP-2 | ACT-1 | |

## FINISH PLAN LEGEND

ROOM FINISH TAG

ROOM NAME → Room name / 101 / PT-1 / RB-1 / CPT-1 ← ROOM NUMBER
WALL FINISH →
FLOOR FINISH →
BASE FINISH ←

* REFER TO FINISH PLAN, PATTERN PLAN, OR RELATED FINISH DRAWINGS FOR ADDITIONAL DETAILED FINISH INFORMATION

ROOM ACCENT TAG

BASE ACCENT → WALL ACCENT

FINISH TRANSITION TAG

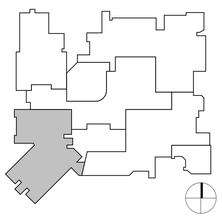
LINE OF FINISH TRANSITION
FINISH (1) LVT-1 CPT-1 FINISH (2)

## GENERAL NOTES

A. REFER TO PROJECT MANUAL FOR FINISH TYPES AND ABBREVIATIONS.
B. REFER TO FINISH SCHEDULE AND FINISH PLAN FOR GENERAL FINISHES. REFER TO ALL INTERIOR FINISH NOTES, AND INTERIOR DRAWINGS (INCLUDING PLANS, ELEVATIONS & DETAILS) FOR COMPLETE INTERIORS INFORMATION.
C. REFER TO ANSI 117.1 FOR MOUNTING HEIGHTS & FLOOR CLEARANCES.
D. ALIGN TRANSITION OF FLOOR MATERIAL WITH CENTER OF HINGE IN DOORWAY, U.O.N;. IN A WRAPPED OPENING WITHOUT HINGES; REFERENCE FINISH PLANS FOR TRANSITION LOCATIONS.
E. PROVIDE MANUFACTURER'S RECOMMENDATIONS FOR TRANSITION BETWEEN UNLIKE FLOORING MATERIALS, U.O.N.
F. FLOOR FINISHES TO EXTEND BENEATH MILLWORK.
G. CONTRACTOR TO INSTALL WALL BASE ON ALL WALLS UNLESS OTHERWISE NOTED.
H. CONTRACTOR TO DETERMINE TAKE-OFF QUANTITIES AND ADHESIVE REQUIREMENTS FOR ALL FINISHES.
I. CONTRACTOR TO INSTALL A SINGLE-PIECE, ADA-COMPLIANT, SOLID STONE THRESHOLD AT ALL FLOORING TRANSITIONS TO TOILET ROOMS U.O.N.
J. PROVIDE WALL PLATES AND RECEPTACLES TO BEST MATCH WALL FINISH AND LIGHT REFLECTIVE VALUE AND/OR FINISH TO MATCH WALL FINISH.
K. REFER TO PROJECT MANUAL FOR FLOOR LEVELER RECOMMENDATIONS, TYPICAL.

## FINISH KEYNOTES

| | |
|---|---|
| F01 | PREPARE SUBFLOOR SO THAT NEW PORCELAIN FLOOR TILE IS INSTALLED FLUSH w/ ADJACENT EXISTING FLOOR TILE; START PATTERN CENTERLINE OF DOORS |
| F02 | START POINT OF PFT-3 WALL BASE; CUT TO SIZE TO MATCH EXISTING ADJACENT HEIGHT IN KIND; PROVIDE AND INSTALL EDGE PROFILE AT EXPOSED CUT EDGES |
| F03 | PROVIDE CUT-OUTS AS REQ'D FOR RECEPTACLES, SWITCHES, PLATES, WALL BOARDS, ETC.; HORIZONTAL CUTS MUST ALIGN w/ EDGE OF A REED FLUTE; PROVIDE FLAT-FILL w/ ADHESIVE AS REQ'D FOR A COMPLETE INSTALLATION. |
| F04 | APPLY 'WC-2 AT 2'-10" AFF; SEE ELEVATIONS ON SHEET A736 AND DETAIL 9 A/800 FOR MORE INFORMATION |
| F05 | PAINT EXISTING AND NEW H.M. FRAMES PT-2S |
| F06 | PAINT EXISTING AND NEW H.M. FRAMES PT-7S |
| F08 | MATCH EXISTING ADJACENT WALL PAINT, U.O.N |
| F09 | PAINT EXISTING H.M. FRAMES PT-11, U.O.N. |



KEY PLAN — PROJECT NORTH

PROJECT TITLE:
INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

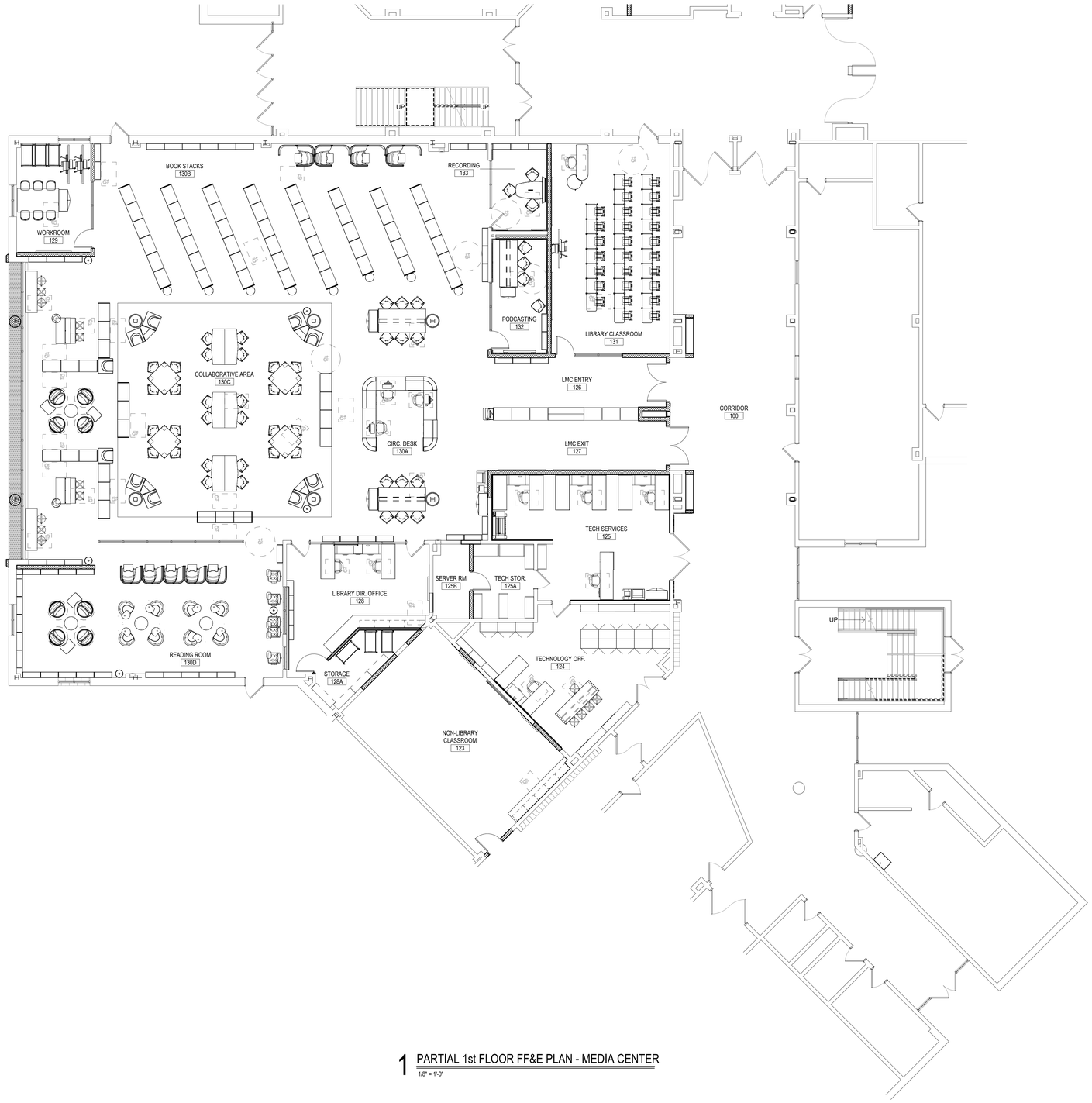
SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE:
PARTIAL 1st FLOOR FINISH PLAN AND SCHEDULE - MEDIA CENTER
PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026
STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: As indicated
DRAWN BY: JLipset
PROJECT NUMBER: 23.195
DRAWING NUMBER: A211

4/30/2026 2:08:15 PM




1 PARTIAL 1st FLOOR FF&E PLAN - MEDIA CENTER
1/8" = 1'-0"

## GENERAL FF&E NOTES

A. SEE PROJECT MANUAL FOR COMPLETE FURNITURE SPECIFICATION PACKAGE.

B. FURNITURE CODES: LETTERS IN THE CODE REFER TO FURNITURE CATEGORY, NUMBERS REFER TO SPECIFIC MODELS & SPECS.

| | |
|---|---|
| A | - ADMINISTRATIVE / OFFICE FURNITURE |
| AA | - ACTIVITY TABLES |
| B | - CLASSROOM FURNITURE |
| BA | - ANCILLARY TABLES |
| C | - CAFETERIA FURNITURE |
| D | - LIBRARY FURNITURE & SHELVING |
| E | - TASK CHAIRS |
| EA | - MISCELLANEOUS CHAIRS |
| EB | - STACKABLE CHAIRS |
| F | - COMPUTER FURNITURE |
| G | - GYM EQUIPMENT / OT |
| H | - HEALTH FURNITURE |
| I | - INDOOR CHALLENGE COURSE |
| J | - PRE-K AND KINDERGARTEN FF&E |
| K | - CLASSROOM EQUIPMENT |
| L | - MUSIC INSTRUMENTS |
| M | - MUSIC FURNITURE |
| N | - ART EQUIPMENT / FURNITURE |
| O | - SOFT SEATING - ADULTS |
| OA | - SOFT SEATING - CHILDREN |
| P | - APPLIANCES |
| Q | - SAFES |
| R | - MAINTENANCE FURNITURE |
| RA | - MAINTENANCE EQUIPMENT |
| S | - SCIENCE EQUIPMENT |
| T | - TECH ED EQUIPMENT |
| U | - INDUSTRIAL FURNITURE |
| V | - INDUSTRIAL SHELVING |
| W | - MISCELLANEOUS EQUIPMENT |
| X | - MAPS & GLOBES |
| Y | - TECHNOLOGY |
| Z | - NOT USED |

C. IN ORDER TO MEET THE NEEDS OF PERSONS WITH DISABILITIES, WHEN APPLICABLE ALL ITEMS SHALL COMPLY WITH THE CURRENT CONNECTICUT BASIC BUILDING CODE INCLUDING 2003 ICC / ANSI A117.1, SECTION 504 REHABILITATION ACT 1973 INCLUDING THE UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS) AND 504 REGULATIONS, AND THE AMERICANS WITH DISABILITIES ACT TITLE II INCLUDING AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) AND ADA REGULATIONS.

D. ACCESSIBLE KNEE CLEARANCES SHALL BE A MINIMUM OF: 30" WIDE, 27" HIGH (24" CHILD) AND 19" DEEP.

E. COMPLIANCE WITH CURRENT CONNECTICUT FIRE SAFETY CODE AND CURRENT OSHA - TITLE 29 / LABOR IS ALSO REQUIRED WHEN APPLICABLE.

F. THE ITEMS SHALL INCLUDE, BUT ARE NOT LIMITED TO FIXTURES, FURNISHINGS, EQUIPMENT, WORKSTATIONS (INCLUDING BUILT-INS), LABORATORY FUME HOODS, ETC.

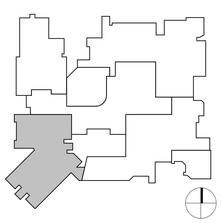
G. DEALERS ARE RESPONSIBLE FOR DELIVERY AND INSTALLATION OF ALL FURNITURE ITEMS, INCLUDING REMOVAL OF ALL PACKAGING MATERIALS FROM THE SITE.

H. PRIOR TO FACTORY PRODUCTION, THE VENDOR / DEALER IS RESPONSIBLE FOR VERIFYING ALL FIELD CONDITIONS FOR POTENTIAL DISCREPANCIES. THIS INCLUDES, NOT LIMITED TO, ROOM DIMENSIONS, FIXED CASEWORK, ELECTRICAL / DATA, LOCATION / COORDINATION AND ALL WALL-MOUNTED SYSTEMS SUCH AS FIRE PULLS, EXTINGUISHERS, THERMOSTATS, ETC. ALL DISCREPANCIES SHALL BE DOCUMENTED TO THE INTERIOR DESIGNER WITHIN 24 HOURS. CHANGES TO THE ORDER WILL BE MADE AT THIS TIME IF THERE ARE INSTALLATION CONFLICTS. SITE VISITS ARE TO BE COORDINATED WITH SP+A.

I. TO ENSURE PROPER ATTACHMENT OF FIXTURES, FURNISHINGS AND EQUIPMENT ITEMS, INCLUDING ANY TECHNOLOGY ITEMS, WHERE ITEMS ARE ATTACHED TO WALL, CEILING, OVERHEAD STRUCTURE, AND / OR FLOOR, CONTRACTOR SHALL PROVIDE INFORMATION ADEQUATE FOR ARCHITECT TO VERIFYITEMS ARE ATTACHED SECURELY AND PER MANUFACTURERS RECOMMENDATIONS. ARCHITECTS REVIEW MAY BE IMPLEMENTED DURING SUBMITTAL PROCESS. CONTRACTOR SHALL PROVIDE STRUTS, HANGERS, FASTENERS, SAFETY HARNESSES, CHANNELS, BOLTS, SCREWS, RODS, ETC. TO SECURELY ATTACH ITEMS TO EXISTING STRUCTURE AS REQUIRED TO MEET FIELD CONDITIONS AND MEET APPLICABLE CODES.

J. FURNITURE PACKAGE INCLUDES ONLY ITEMS SHOWN WITH TAGS AND PRINTED IN BLACK. FURNITURE SHOWN AS HALFTONE IS NOT INCLUDED.

K. PROVIDE ALL REQUIRED FILLERS, CONNECTIONS, POWER MODULES, HARDWARE, ETC. TO ENSURE PROPER ASSEMBLY / FUNCTION, TYPICAL.

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25 NEWTON ROAD
WOODBRIDGE, CT 06525

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3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

| REVISION: | DESCRIPTION: | DATE: | REVISED BY: |
|---|---|---|---|

DRAWING TITLE:
PARTIAL 1st FLOOR FF&E PLAN - MEDIA CENTER (FOR REF. ONLY)
PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026
STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: As indicated
DRAWN BY: JLipset
PROJECT NUMBER: 23.195

DRAWING NUMBER:
A231

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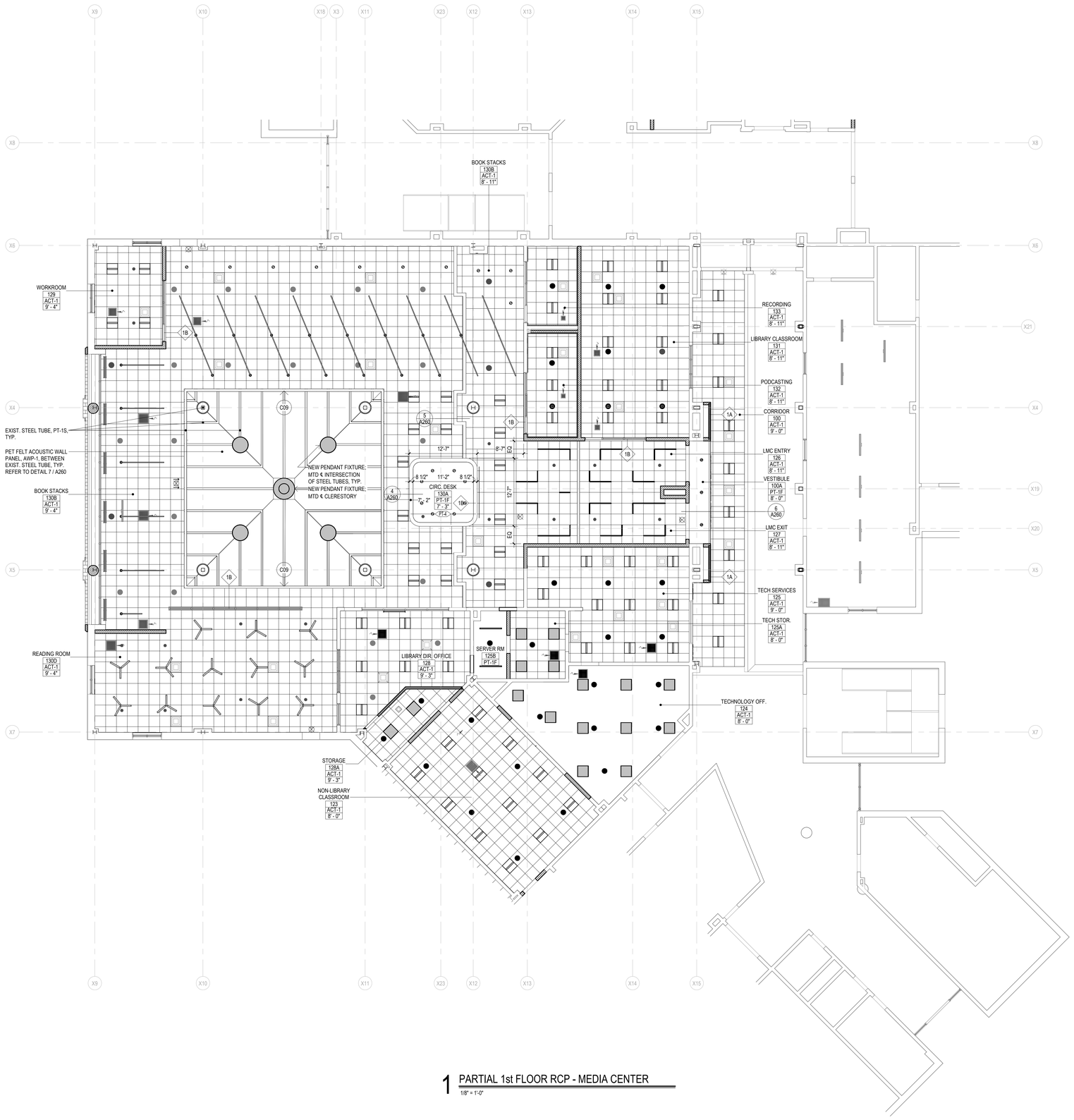



1 PARTIAL 1st FLOOR RCP - MEDIA CENTER
1/8" = 1'-0"

## RCP SYMBOL LEGEND

ROOM CEILING TAG

ROOM NUMBER → OFFICE 101 ACT-1 9' - 0" ← ROOM NAME
CEILING HEIGHT → CEILING FINISH, REFER TO PROJECT MANUAL SCHEDULE OF FINISHES

SECONDARY CEILING TAG

CEILING HEIGHT → ACT-1 9' - 0" ← CEILING FINISH, REFER TO PROJECT MANUAL SCHEDULE OF FINISHES

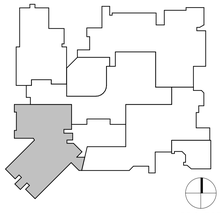
- ACOUSTICAL CEILING TILES & GRID W/ SUPPORTS
- PAINTED GYPSUM BOARD CEILING
- EXIT SIGN, REFER TO ELECTRICAL DRAWINGS
- RECESSED LIGHT FIXTURES, REFER TO ELECTRICAL DRAWINGS
- RECESSED LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS
- LINEAR RECESSED STYLE LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS
- PENDANT STYLE LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS
- SURFACE MOUNTED LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS
- SUPPLY DIFFUSER, REFER TO MECHANICAL DRAWINGS
- RETURN DIFFUSER, REFER TO MECHANICAL DRAWINGS
- CONCEALED SPINKLER HEAD, REFER TO FIRE PROTECTION DRAWINGS
- EXPOSED SPINKLER HEAD, REFER TO FIRE PROTECTION DRAWINGS
- CXX CONSTRUCTION NOTE
- 1 / A101 SIM — PLAN/SECTION/DETAIL NUMBER - SHEET NUMBER

## GENERAL RCP NOTES

- FOR SEISMIC BRACING OF SUSPENDED CEILING SYSTEMS, REFER TO DETAIL 1 / A260
- FOR TYPICAL GYPSUM BOARD CEILING TO WALL CONDITIONS REFER TO DETAIL 2 / A260
- FOR TYPICAL ACOUSTIC CEILING TILE TO WALL CONDITIONS REFER TO DETAIL 3 / A260
- FOR ALL NEW CEILINGS, SEE REFLECTED CEILING PLANS FOR CEILING HEIGHTS
- FOR TYPICAL ACOUSTICAL BATT AT METAL DECK CONDITION REFER TO DETAIL 7 / A260

## CONSTRUCTION KEYNOTES

| | |
|---|---|
| C01 | INFILL OPENING AT EXISTING CMU WALL. NEW CMU TO MATCH CMU WIDTH, DEPTH, COURSING, AND MORTAR JOINTS. |
| C02 | PATCH AND REPAIR ALL REMAINING WALLS THAT PREVIOUSLY INTERSECTED w/ DEMOLISHED WALLS |
| C03 | PROVIDE AND INSTALL BOX VALANCE AND MANUALLY OPERATED SOLAR ROLLER SHADE (WS-1); REFER TO PROJECT MANUAL |
| C04 | PROVIDE AND INSTALL MOTORIZED SOLAR ROLLER SHADE (WS-2); REFER TO PROJECT MANUAL AND COORD. w/ ELECTRICAL DRAWINGS |
| C05 | INSTALL EXISTING, SALVAGED HM FRAME AND GLAZING IN NEW LOCATION. ALIGN SILL AND HEAD w/ ADJACENT EXISTING HM FRAME; COORDINATE w/ DEMO PLAN |
| C06 | INSTALL EXISTING SALVAGED DOOR AND HARDWARE IN NEW H.M. FRAME |
| C06.1 | INSTALL EXISTING SALVAGED DOOR, ACCESS CONTROL, AND HARDWARE IN NEW H.M. FRAME |
| C07 | ALTER SALVAGED EXISTING WOOD DOOR w/ NEW VISION LIGHT TO MATCH ADJACENT CLASSROOM DOOR; INSTALL EXISTING ALTERED DOOR AND HARDWARE IN NEW H.M. FRAME IN NEW LOCATION |
| C08 | GROUT CORES OF EXISTING MASONRY WALLS SOLID FOR ACOUSTICAL ISOLATION BETWEEN ADJACENT ROOMS |
| C09 | PATCH IN GYP BOARD WHERE LOUVER WAS REMOVED. PATCH AS REQUIRED AND PAINT TO MATCH ADJACENT FINISH. |
| C10 | PROVIDE SPLIT FACE SOLID CAP BLOCK AT TOP OF PARTIAL HEIGHT PARTITION |
| C11 | PROVIDE AND INSTALL (4) DIGITAL DISPLAYS w/ LOW-PROFILE TILT WALL-MOUNT HARDWARE; PROVIDE POWER / DATA AS REQ'D |
| C12 | REINSTALL SALVAGED RECESSED FIRE EXTINGUISHER CABINET AND LIBRARY PLAQUE; REFER TO ELEVATION 6/A730 |



KEY PLAN — PROJECT NORTH

PROJECT TITLE:
INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

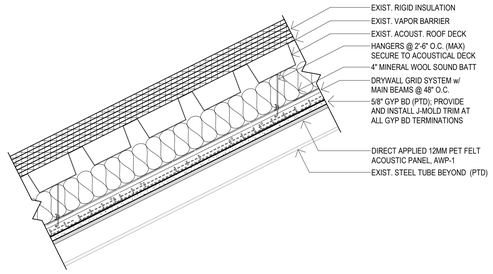
SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

| REVISION: | DESCRIPTION: | DATE: | REVISED BY: |
|---|---|---|---|

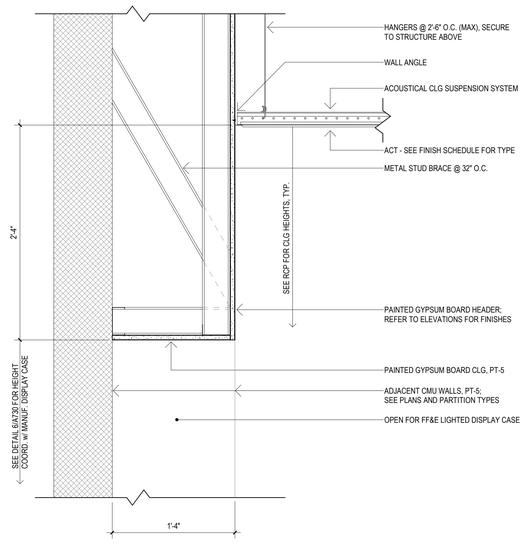
DRAWING TITLE:
PARTIAL 1st FLOOR CEILING PLAN - MEDIA CENTER
PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026
STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: As indicated
DRAWN BY: JLipset
PROJECT NUMBER: 23.195
DRAWING NUMBER: A251

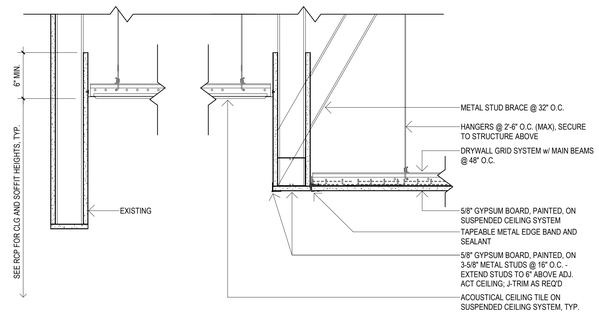
4/3/2026 2:08:24 PM



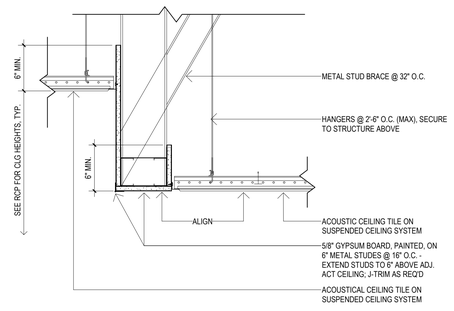

## B ACOUSTICAL BATT DETAIL AT METAL DECK
1 1/2" = 1'-0"



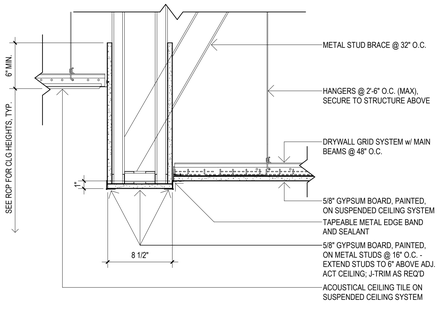

## 7 GYPSUM HEADER @ RECESSED DISPLAY CASE
1 1/2" = 1'-0"



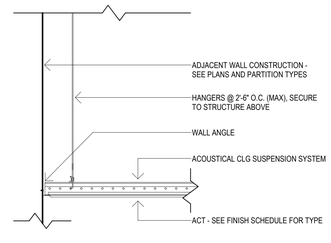

## 6 SOFFITED CEILING TRANSITION - LMC ENTRY
1 1/2" = 1'-0"



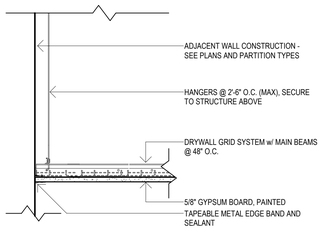

## 5 GYPSUM SOFFIT TRANSITION - ACT TO ACT
1 1/2" = 1'-0"



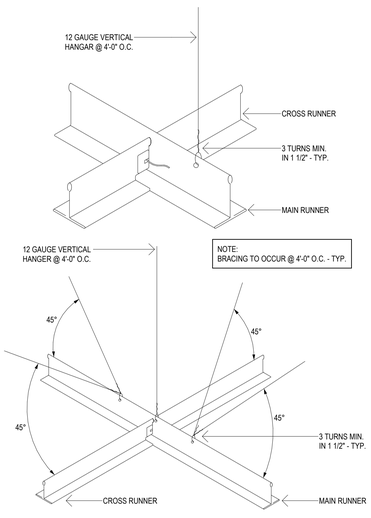

## 4 SOFFITED CEILING TRANSITION - CIRC. DESK
1 1/2" = 1'-0"




## 3 ACT CEILING TO WALL DETAIL
1 1/2" = 1'-0"




## 2 GYPSUM BOARD CEILING TO WALL DETAIL
1 1/2" = 1'-0"




## 1 SEISMIC BRACING DETAIL
1 1/2" = 1'-0"

PROJECT TITLE:
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25 NEWTON ROAD
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3190 WHITNEY AVENUE HAMDEN CT 06518
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203 230 9007 silverpetrucelli.com

REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE:
CEILING DETAILS

PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026

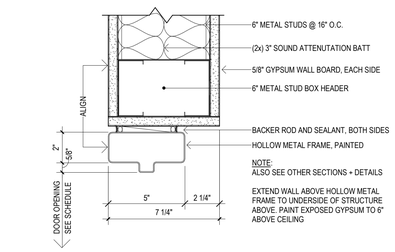
STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: 1 1/2" = 1'-0"
DRAWN BY: JLipset
PROJECT NUMBER: 23.195

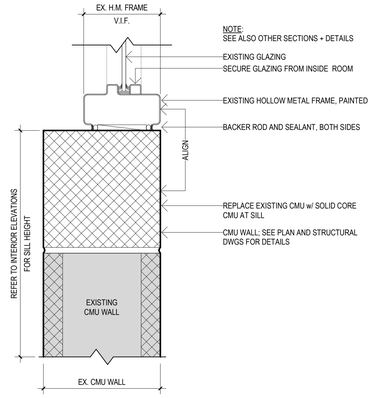
DRAWING NUMBER: A260

4/30/2026 2:08:26 PM

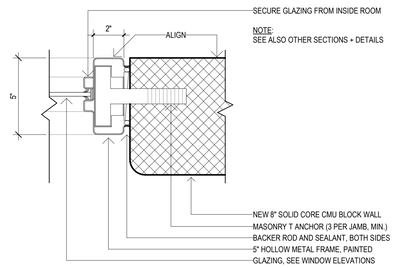
| GLAZING SCHEDULE | |
|---|---|
| GL-2 | CLEAR, TEMPERED |



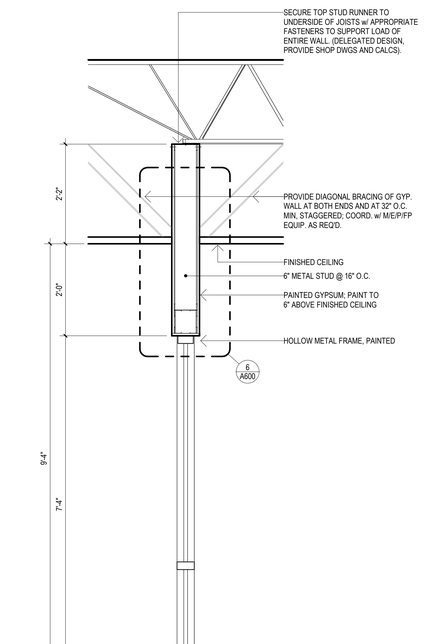

## 16 H.M. W02 DOOR HEAD DETAIL
3" = 1'-0"



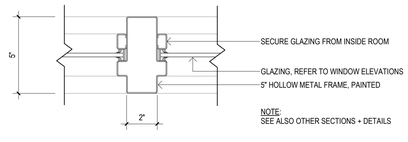

## 12 EX. H.M. WINDOW SILL DTL. @ EX. CMU WALL
3" = 1'-0"



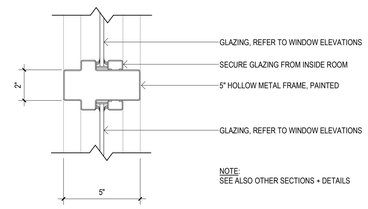

## 8 H.M. W02 WINDOW JAMB DTL. @ CMU WALL
3" = 1'-0"



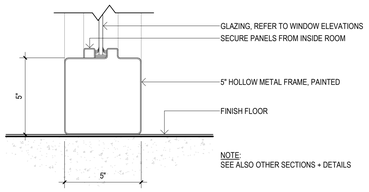

## 5 W01 SECTION DETAIL
3/4" = 1'-0"



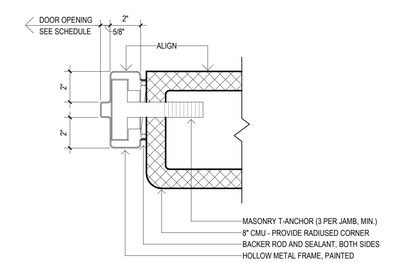

## 4 TYP. H.M. WINDOW MULLION DTL.
3" = 1'-0"



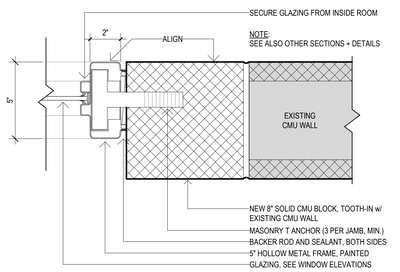

## 3 TYP. H.M. WINDOW RAIL DTL.
3" = 1'-0"



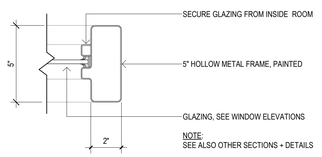

## 2 TYP. H.M. WINDOW SILL DTL.
3" = 1'-0"



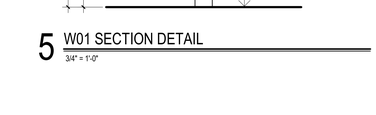

## 15 H.M. W02 DOOR JAMB DETAIL
3" = 1'-0"

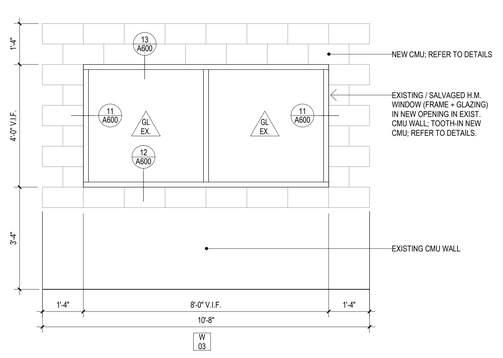


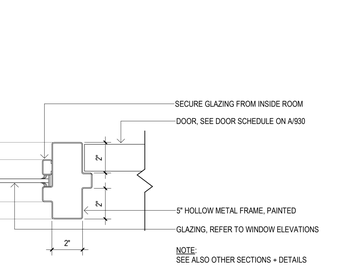

## 11 EX. H.M. WINDOW JAMB DTL. @ EX. CMU WALL
3" = 1'-0"



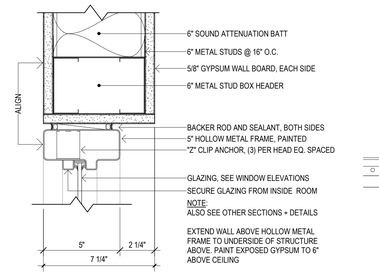

## 7 H.M. W01 WINDOW JAMB DTL.
3" = 1'-0"



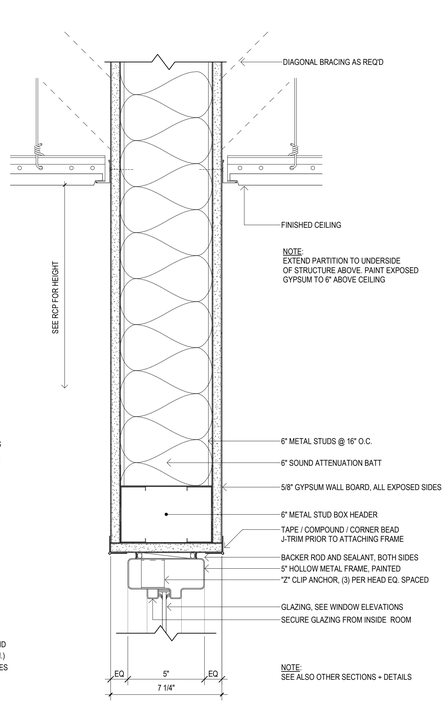



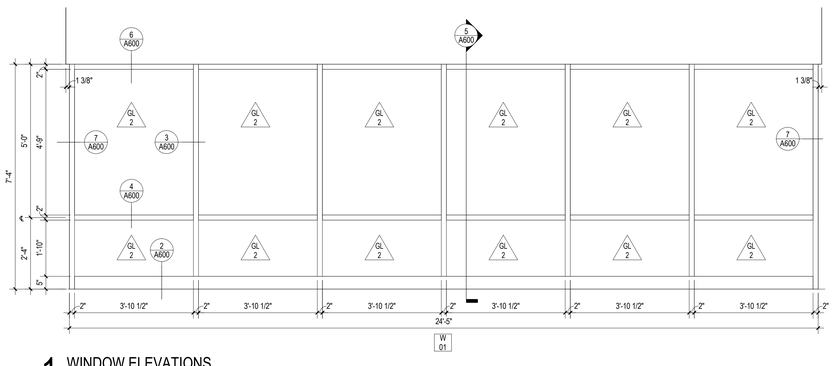

## 14 W02 H.M. WINDOW / DOOR MULLION DTL.
3" = 1'-0"



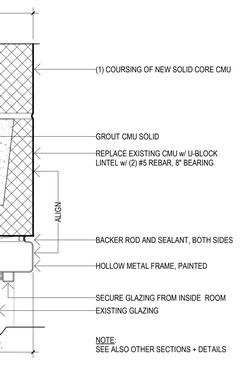

## 10 H.M. W02 WINDOW HEAD DTL.
3" = 1'-0"



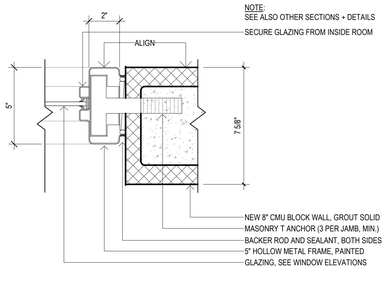

## 6 H.M. W01 WINDOW HEAD DTL.
3" = 1'-0"




## 1 WINDOW ELEVATIONS
1/2" = 1'-0"




## 13 EX. H.M. WINDOW HEAD DTL. @ EX. CMU WALL
3" = 1'-0"




## 9 H.M. W02 WINDOW JAMB DTL. @ EX. CMU WALL
3" = 1'-0"


PROJECT TITLE:
INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com


REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE:
WINDOW ELEVATIONS AND DETAILS

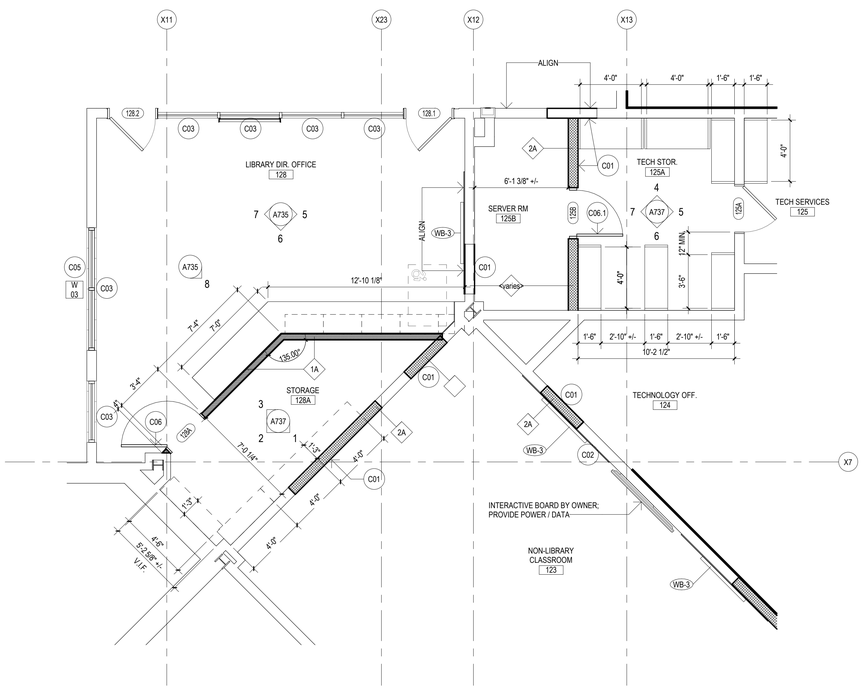
PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026

STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: As indicated
DRAWN BY: JLipset
PROJECT NUMBER: 23.195

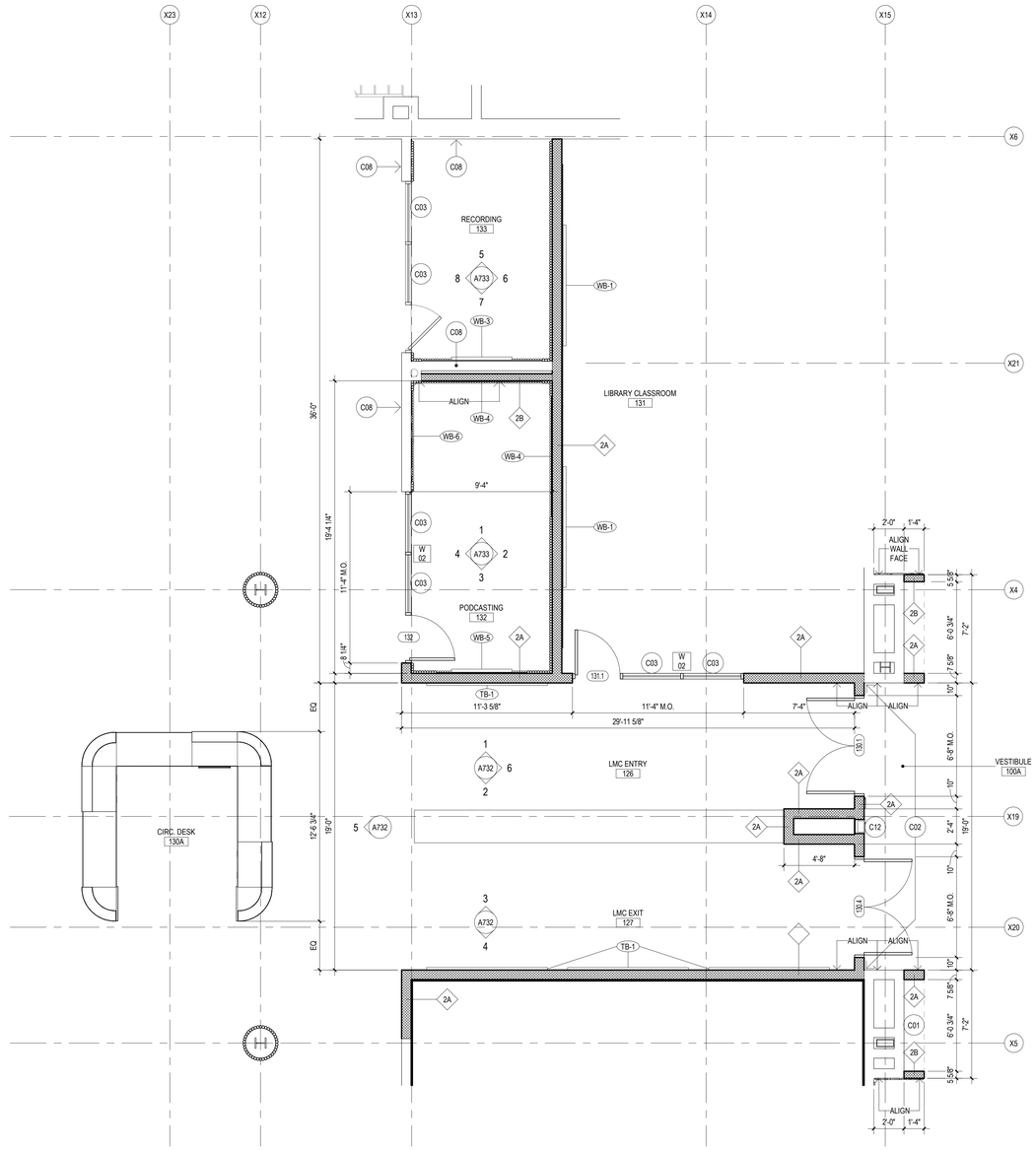
DRAWING NUMBER:
A600

4/30/2026 2:08:27 PM




## 2 ENLARGED PARTIAL 1st FLOOR NEW WORK

1/4" = 1'-0"




## 1 ENLARGED PARTIAL 1st FLOOR NEW WORK

1/4" = 1'-0"

## SYMBOL LEGEND

- NEW METAL STUD PARTITIONS
- NEW MASONRY WALL
- NEW CMU WALL
- EXISTING WALL
- E 101 A — DOOR NUMBER
- XX — WINDOW TYPE
- ROOM NAME / ### — ROOM NAME / ROOM NUMBER
- 1A — PARTITION TYPE
- C — CONSTRUCTION NOTE
- 2 / A101 — EXTERIOR ELEVATION NUMBER / SHEET NUMBER
- 2 / A101 — INTERIOR ELEVATION NUMBER / SHEET NUMBER
- 1 A400 / 1 A400 — BUILDING SECTION NUMBER / SHEET NUMBER
- 1 A420 — WALL SECTION NUMBER / SHEET NUMBER
- F.E.C. — FIRE EXTINGUISHER CABINET
- FD — FLOOR DRAIN - SLOPE TO DRAIN

## GENERAL NOTES

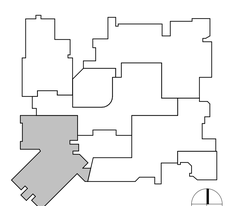
- READ ALL GENERAL NOTES ON ALL DRAWINGS.
- CONTRACTORS SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.
- PATCH TO MATCH ALL EXISTING TO REMAIN WALLS, CEILINGS, AND SURFACES THAT ARE AFFECTED BY THE NEW WORK.
- ALL NEW WALL AND PARTITION ASSEMBLIES SHALL EXTEND TO UNDERSIDE OF DECK UNLESS OTHERWISE NOTED.
- PROVIDE CMU WITH PRE-MANUFACTURED BULLNOSE AT ALL EXPOSED CORNERS.
- WHERE THE WORD "ALIGN" IS INDICATED IT SHALL MEAN TO ALIGN BOTH SIDES OF WALL.
- ALL EXISTING WALLS AND NEW WALLS MUST BE PREPPED ACCORDINGLY BEFORE FINISHES ARE APPLIED; REFER TO PROJECT MANUAL.
- PROVIDE ANCHORS TO TOPS, JAMBS, AND SILLS OF CURTAIN WALLS OR STOREFRONT SYSTEMS.

## CONSTRUCTION KEYNOTES

| | |
|---|---|
| C01 | INFILL OPENING AT EXISTING CMU WALL. NEW CMU TO MATCH CMU WIDTH, DEPTH, COURSING, AND MORTAR JOINTS. |
| C02 | PATCH AND REPAIR ALL REMAINING WALLS THAT PREVIOUSLY INTERSECTED w/ DEMOLISHED WALLS. |
| C03 | PROVIDE AND INSTALL BOX VALANCE AND MANUALLY OPERATED SOLAR ROLLER SHADE (WS-1); REFER TO PROJECT MANUAL |
| C04 | PROVIDE AND INSTALL MOTORIZED SOLAR ROLLER SHADE (WS-2); REFER TO PROJECT MANUAL AND COORD. w/ ELECTRICAL DRAWINGS |
| C05 | INSTALL EXISTING, SALVAGED HM FRAME AND GLAZING IN NEW LOCATION. ALIGN SILL AND HEAD w/ ADJACENT EXISTING HM FRAME; COORDINATE w/ DEMO PLAN |
| C06 | INSTALL EXISTING SALVAGED DOOR AND HARDWARE IN NEW H.M. FRAME |
| C06.1 | INSTALL EXISTING SALVAGED DOOR, ACCESS CONTROL, AND HARDWARE IN NEW H.M. FRAME |
| C07 | ALTER SALVAGED EXISTING WOOD DOOR w/ NEW VISION LIGHT TO MATCH ADJACENT CLASSROOM DOOR; INSTALL EXISTING ALTERED DOOR AND HARDWARE IN NEW H.M. FRAME IN NEW LOCATION |
| C08 | GROUT CORES OF EXISTING MASONRY WALLS SOLID FOR ACOUSTICAL ISOLATION BETWEEN ADJACENT ROOMS |
| C09 | PATCH IN GYP BOARD WHERE LOUVER WAS REMOVED. PATCH AS REQUIRED AND PAINT TO MATCH ADJACENT FINISH. |
| C10 | PROVIDE SPLIT FACE SOLID CAP BLOCK AT TOP OF PARTIAL HEIGHT PARTITION |
| C11 | PROVIDE AND INSTALL (4) DIGITAL DISPLAYS w/ LOW-PROFILE TILT WALL-MOUNT HARDWARE; PROVIDE POWER / DATA AS REQ'D |
| C12 | REINSTALL SALVAGED RECESSED FIRE EXTINGUISHER CABINET AND LIBRARY PLAQUE; REFER TO ELEVATION 6/A730 |

## WALL BOARD SCHEDULE

| | |
|---|---|
| TB-1 | 8'-0" x 4'-0" TACK BOARD |
| 4 | |
| WB-1 | 16'-0" x 4'-0" WHITE BOARD w/ TRAY |
| 2 | |
| WB-2 | 12'-0" x 4'-0" WHITE BOARD w/ TRAY |
| 1 | |
| WB-3 | 8'-0" x 4'-0" WHITE BOARD w/ TRAY |
| 4 | |
| WB-4 | 8'-0" x 4'-0" WHITE BOARD |
| 2 | |
| WB-5 | 6'-0" x 4'-0" WHITE BOARD w/ TRAY |
| 1 | |
| WB-6 | 6'-0" x 4'-0" WHITE BOARD |
| 1 | |



KEY PLAN — PROJECT NORTH

PROJECT TITLE:
INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE:
ENLARGED PARTIAL PLANS

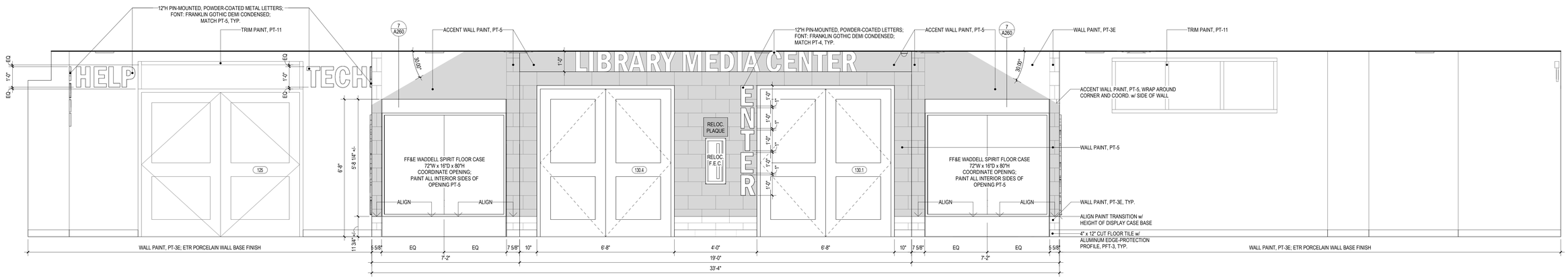
PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026

STATE PROJECT NUMBER:
205-0046 A

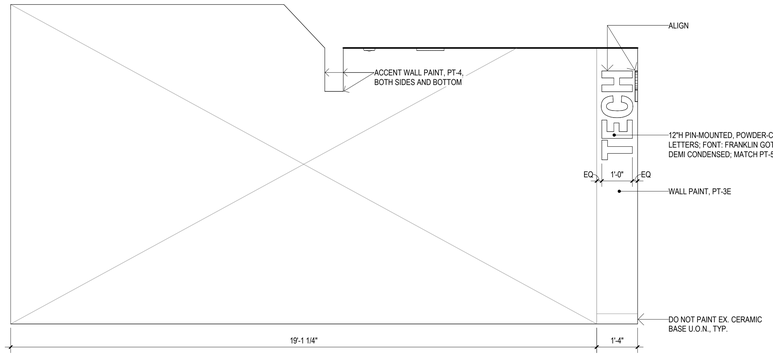
DATE: 11/07/2025
SCALE: As indicated
DRAWN BY: JLipset
PROJECT NUMBER: 23.195

DRAWING NUMBER: A705

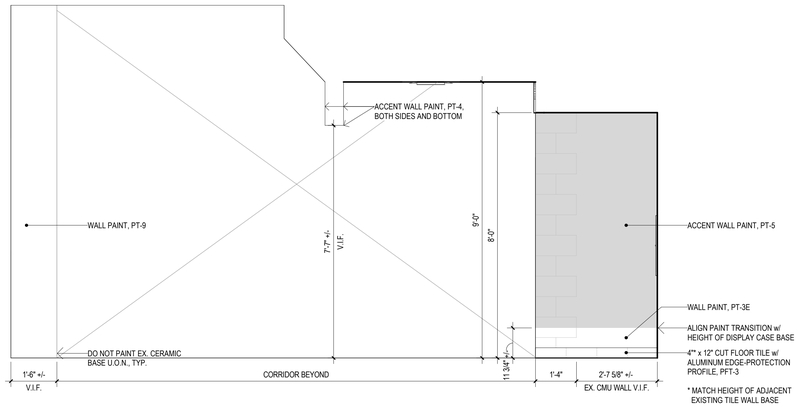
4/30/2026 2:08:30 PM



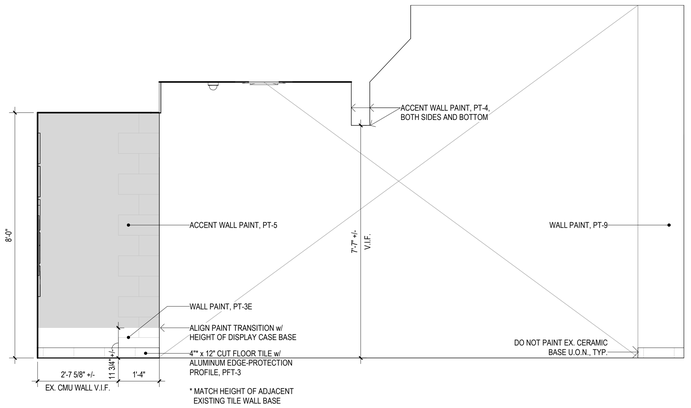

## 6 MEDIA CENTER ENTRY FROM CORRIDOR
1/2" = 1'-0"



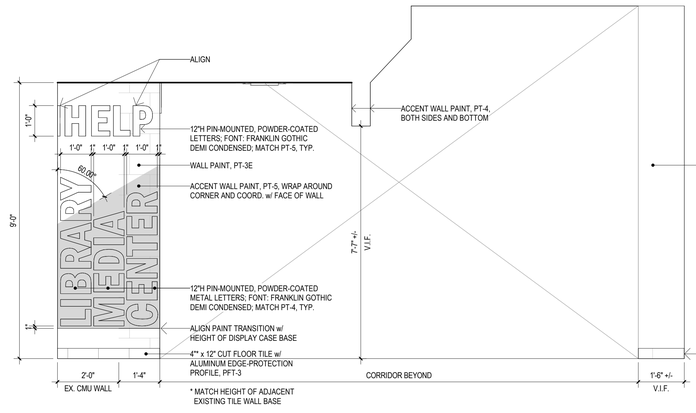

## 5 CORRIDOR VIEW SOUTH TO TECH HELP
1/2" = 1'-0"



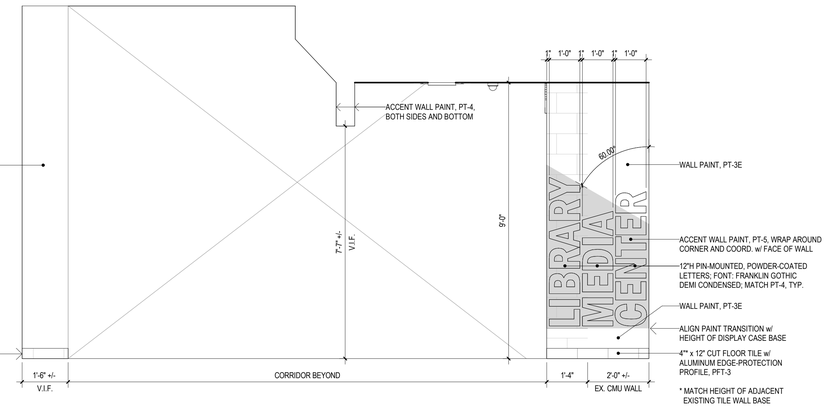

## 4 VIEW SOUTH BETWEEN DISPLAY NOOKS
1/2" = 1'-0"




## 3 VIEW NORTH BETWEEN DISPLAY NOOKS
1/2" = 1'-0"




## 2 VIEW NORTH FROM TECH SERVICES
1/2" = 1'-0"




## 1 VIEW SOUTH FROM STUDENT STREET
1/2" = 1'-0"

PROJECT TITLE:
INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

| REVISION: | DESCRIPTION: | DATE: | REVISED BY: |
|---|---|---|---|

DRAWING TITLE:
INTERIOR ELEVATIONS

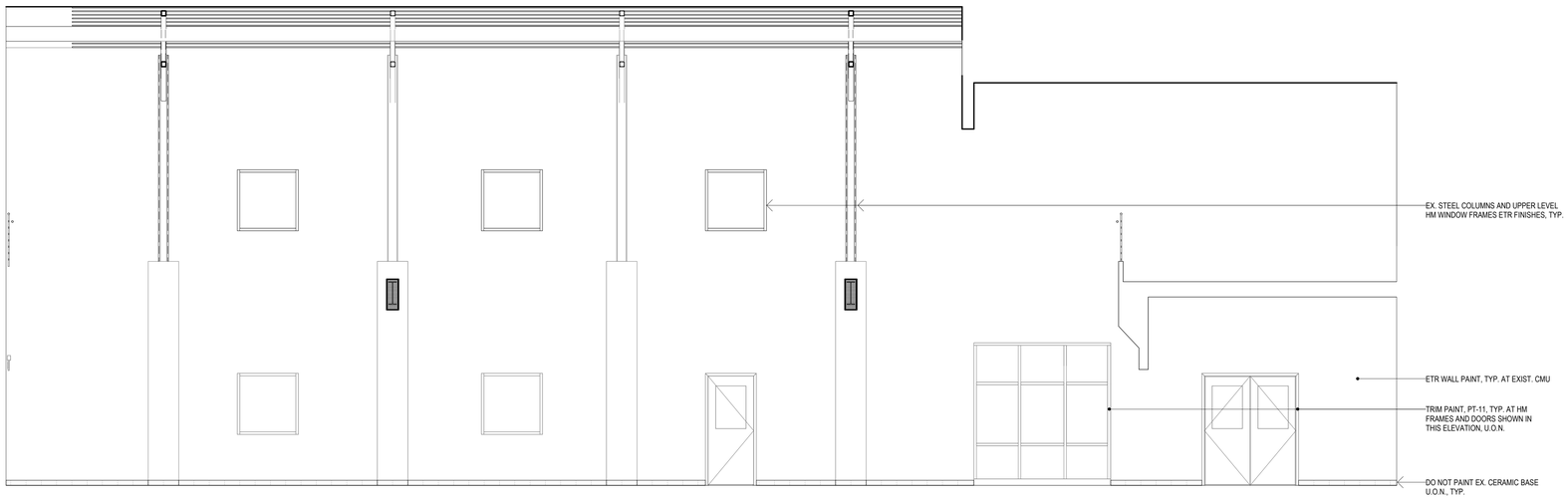
PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026

STATE PROJECT NUMBER:
205-0046 A

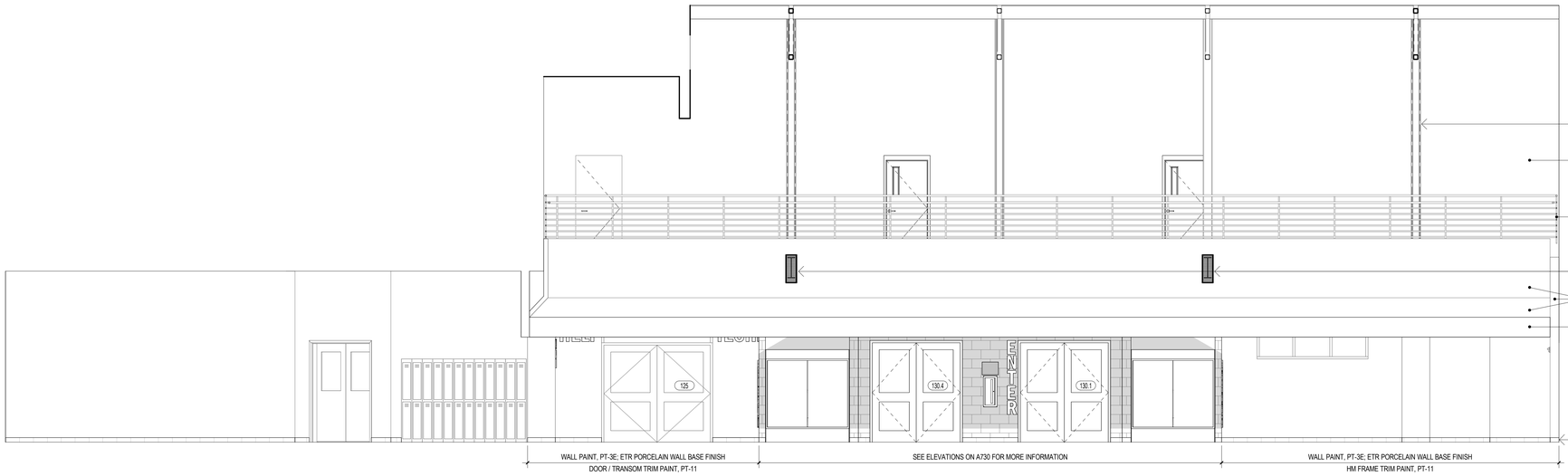
DATE: 11/07/2025
SCALE: 1/2" = 1'-0"
DRAWN BY: JEppet
PROJECT NUMBER: 23.195

DRAWING NUMBER:
A730

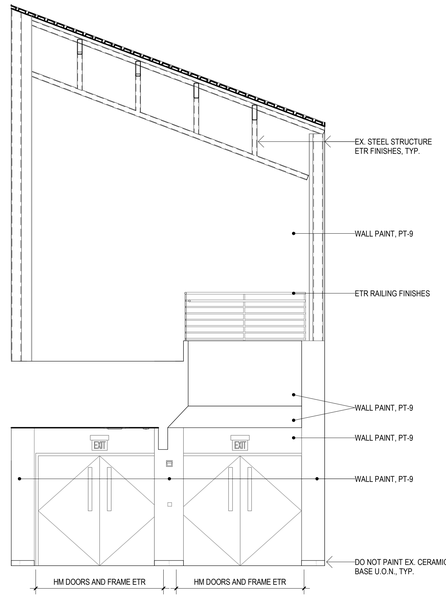
4/30/2025 2:08:31 PM




3 CORRIDOR - EAST
1/4" = 1'-0"




2 CORRIDOR - WEST
1/4" = 1'-0"




1 CORRIDOR - NORTH
1/4" = 1'-0"

PROJECT TITLE:
INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE:
INTERIOR ELEVATIONS

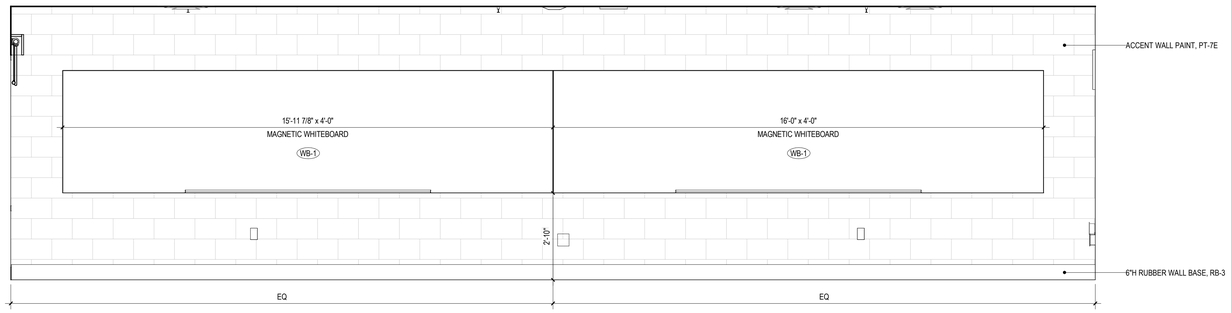
PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026

STATE PROJECT NUMBER:
205-0046 A

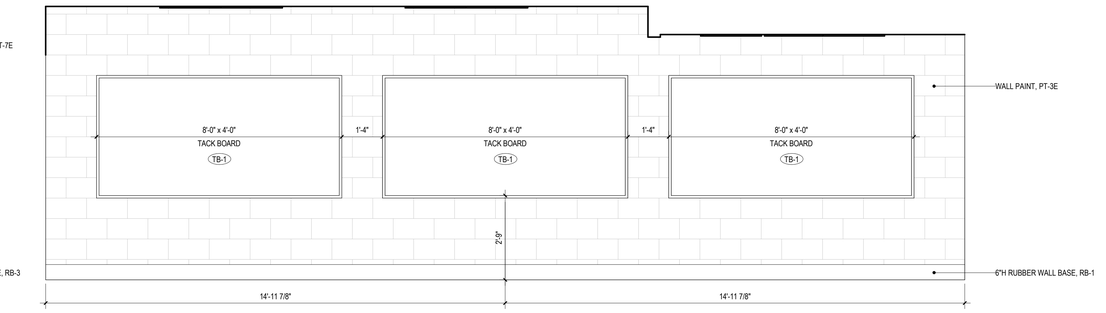
DATE: 11/07/2025
SCALE: 1/4" = 1'-0"
DRAWN BY: JL/pset
PROJECT NUMBER: 23.195

DRAWING NUMBER:
A731

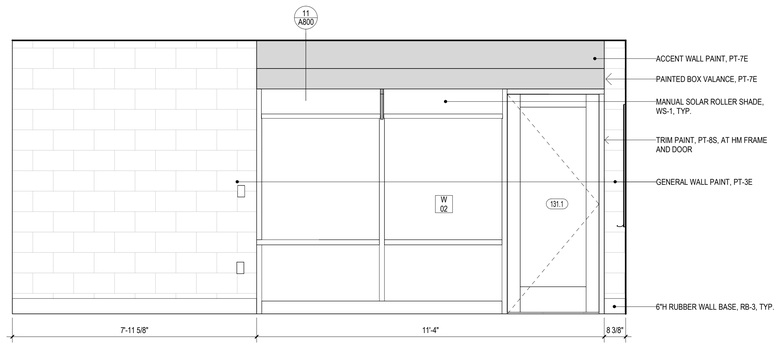
4/3/2026 2:08:33 PM



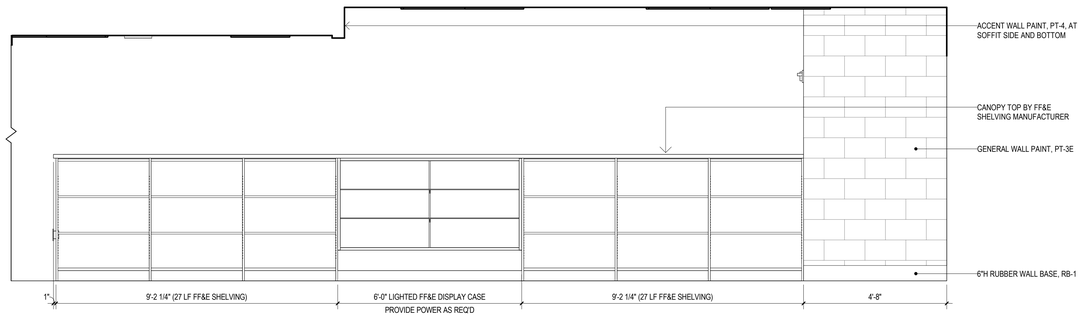

## 7 LIBRARY CLASSROOM - WEST
1/2" = 1'-0"



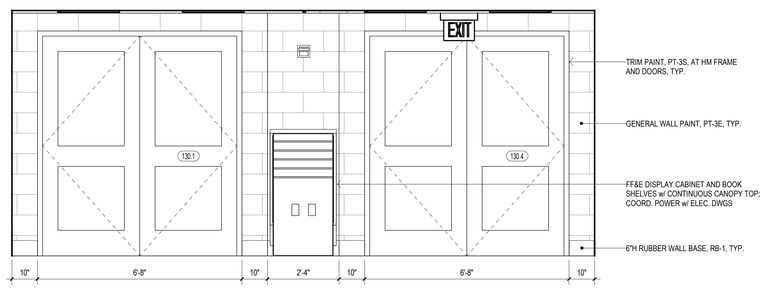

## 4 LMC EXIT - SOUTH
1/2" = 1'-0"



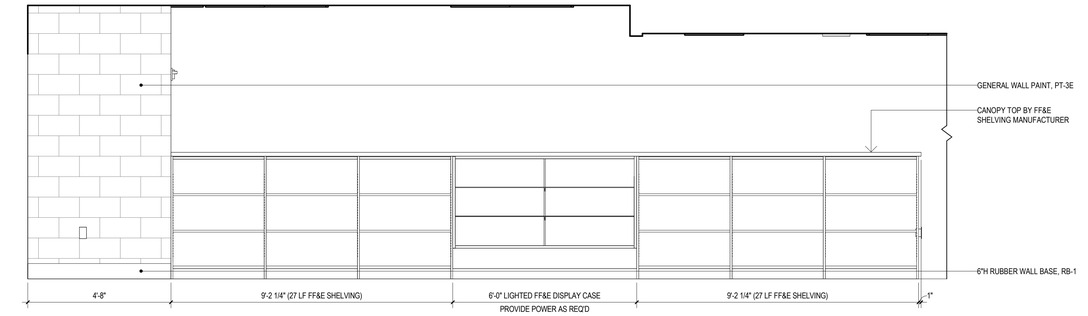

## 8 LIBRARY CLASSROOM - SOUTH
1/2" = 1'-0"



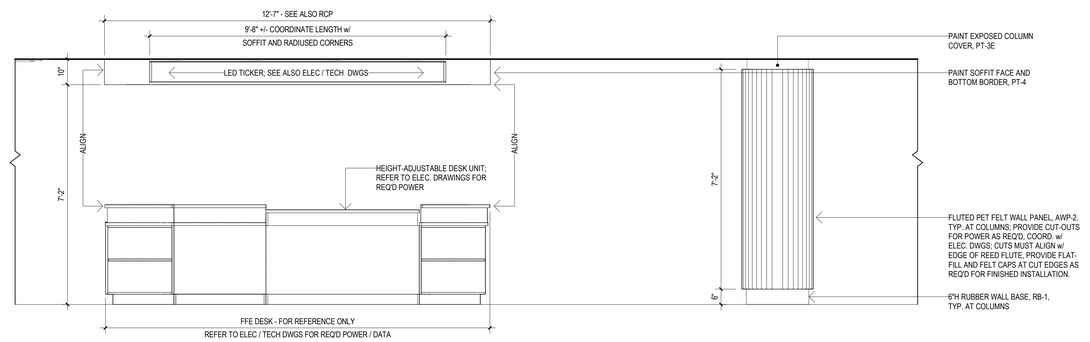

## 3 LMC EXIT - DISPLAY CASE NORTH
1/2" = 1'-0"



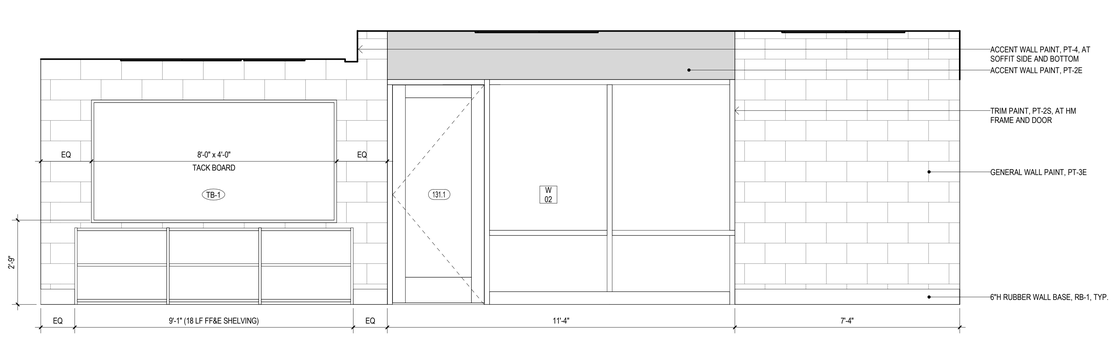

## 6 LMC ENTRY / EXIT - EAST
1/2" = 1'-0"




## 2 LMC ENTRY - DISPLAY CASE SOUTH
1/2" = 1'-0"




## 5 LMC ENTRY - WEST
1/2" = 1'-0"




## 1 LMC ENTRY - NORTH
1/2" = 1'-0"

PROJECT TITLE:
INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE:
INTERIOR ELEVATIONS

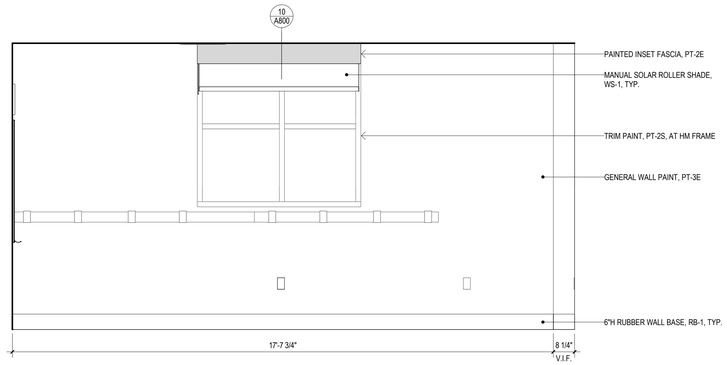
PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026

STATE PROJECT NUMBER:
205-0046 A

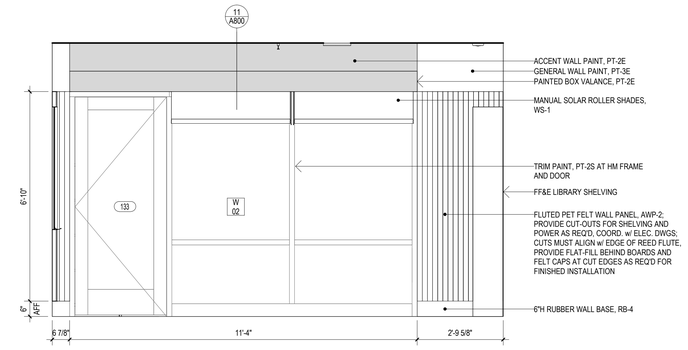
DATE: 11/07/2025
SCALE: 1/2" = 1'-0"
DRAWN BY: JLipset
PROJECT NUMBER: 23.195

DRAWING NUMBER:
A732

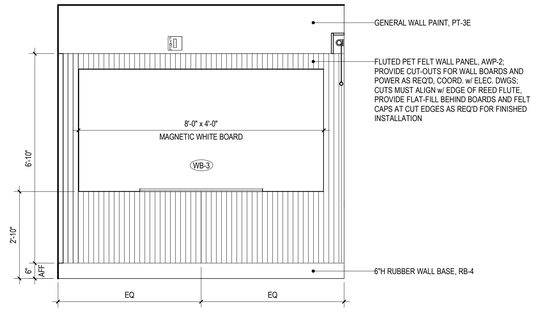
4/30/2026 2:05:38 PM



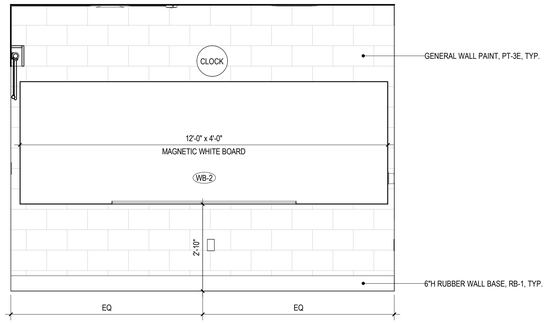

## 12 WORK ROOM - WEST
1/2" = 1'-0"



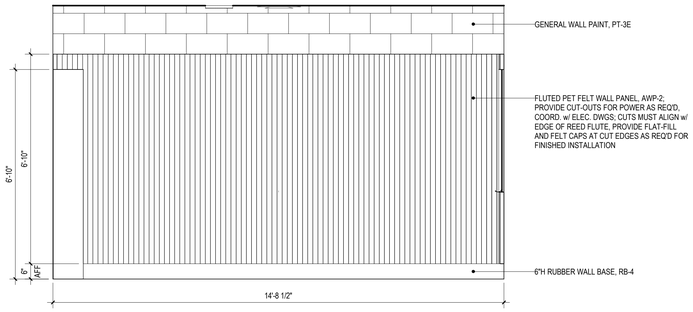

## 8 RECORDING - WEST
1/2" = 1'-0"



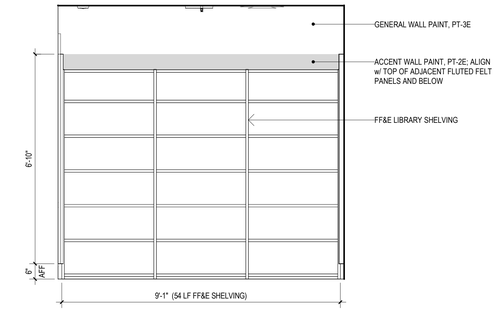

## 7 RECORDING - SOUTH
1/2" = 1'-0"



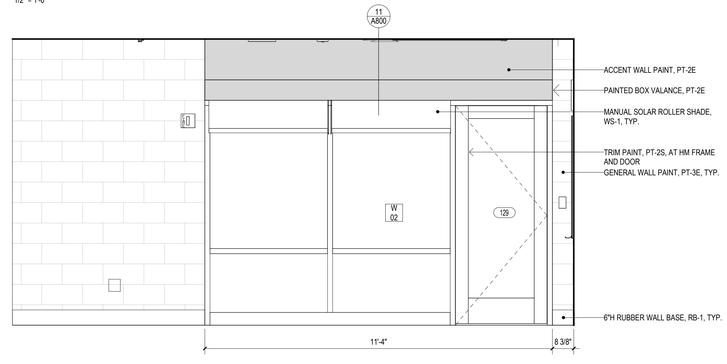

## 11 WORK ROOM - SOUTH
1/2" = 1'-0"



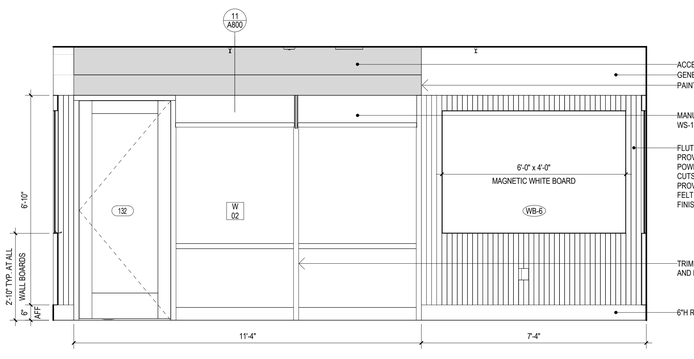

## 6 RECORDING - EAST
1/2" = 1'-0"



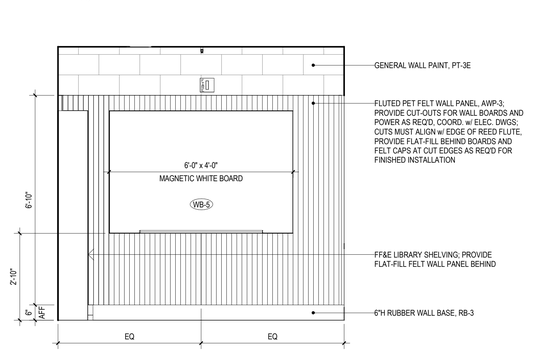

## 5 RECORDING - NORTH
1/2" = 1'-0"



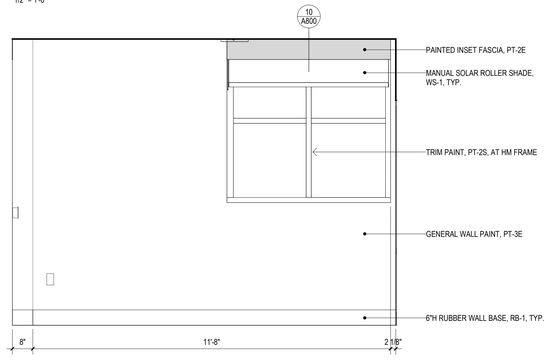

## 10 WORK ROOM - EAST
1/2" = 1'-0"



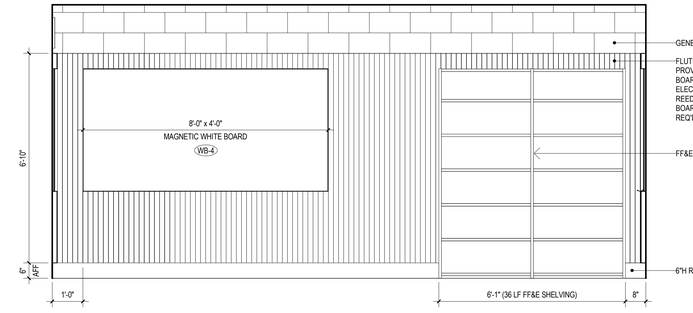

## 4 PODCAST - WEST
1/2" = 1'-0"



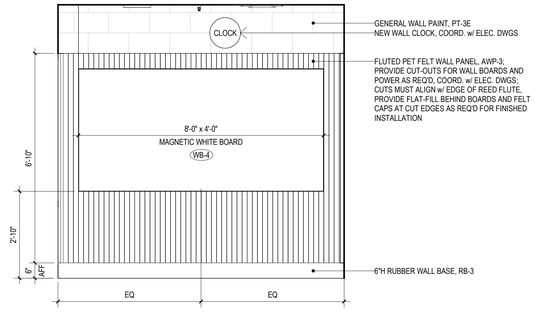

## 3 PODCAST - SOUTH
1/2" = 1'-0"




## 9 WORK ROOM - NORTH
1/2" = 1'-0"




## 2 PODCAST - EAST
1/2" = 1'-0"




## 1 PODCAST - NORTH
1/2" = 1'-0"

PROJECT TITLE:
INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE:
INTERIOR ELEVATIONS

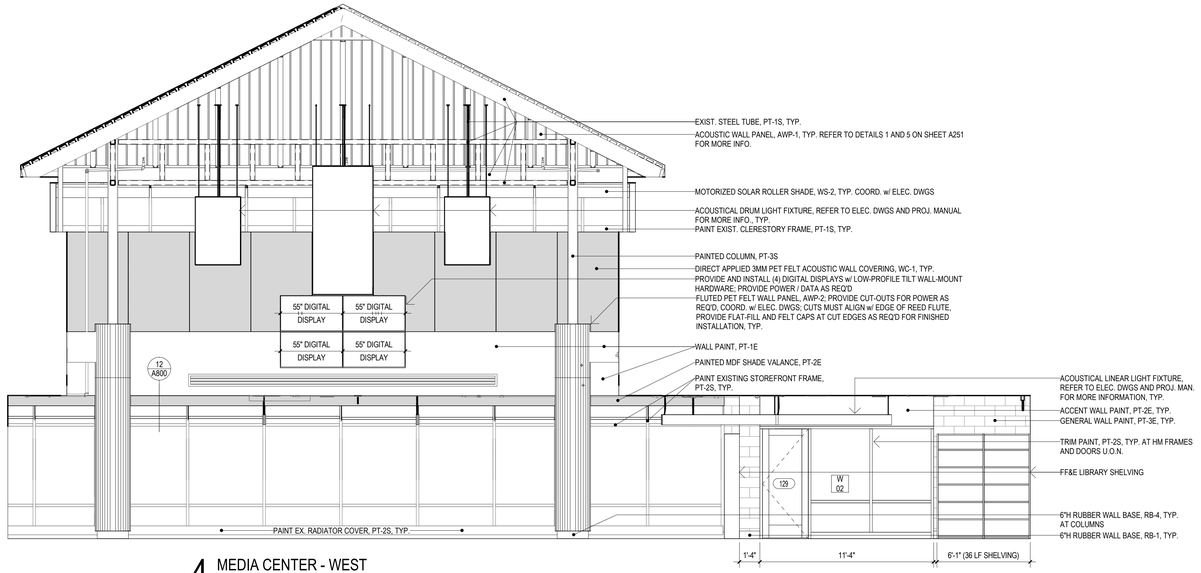
PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026

STATE PROJECT NUMBER:
205-0046 A

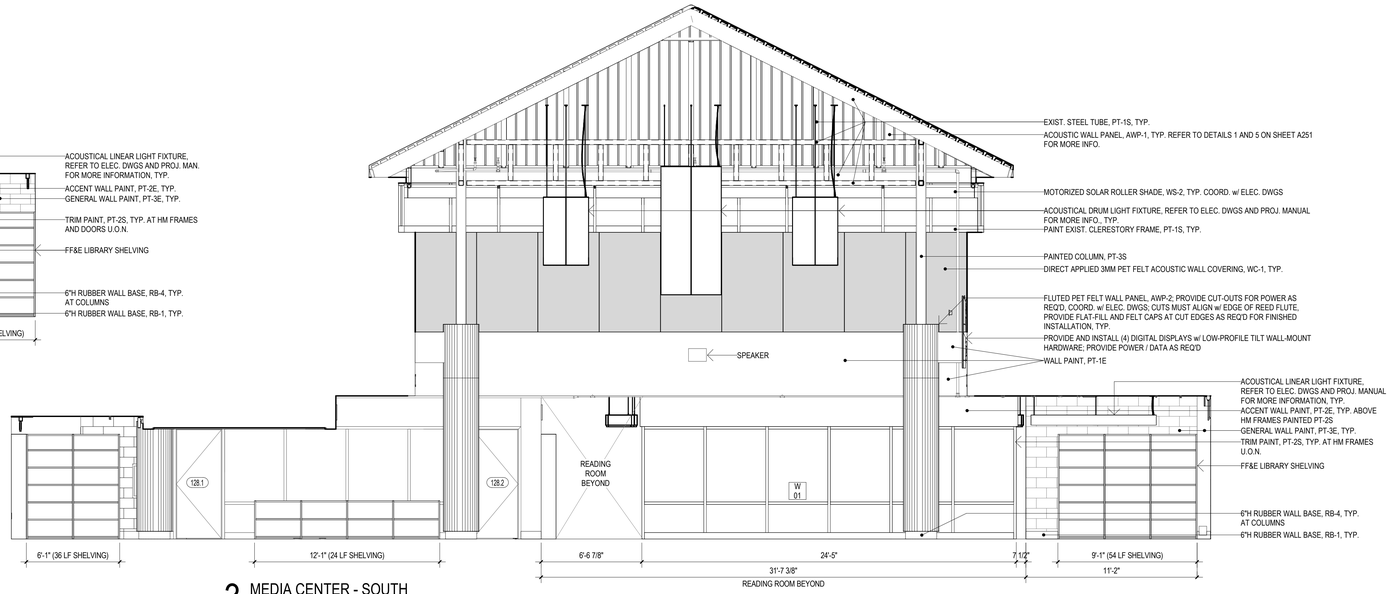
DATE: 11/07/2025
SCALE: 1/2" = 1'-0"
DRAWN BY: JEupset
PROJECT NUMBER: 23.195

DRAWING NUMBER: A733

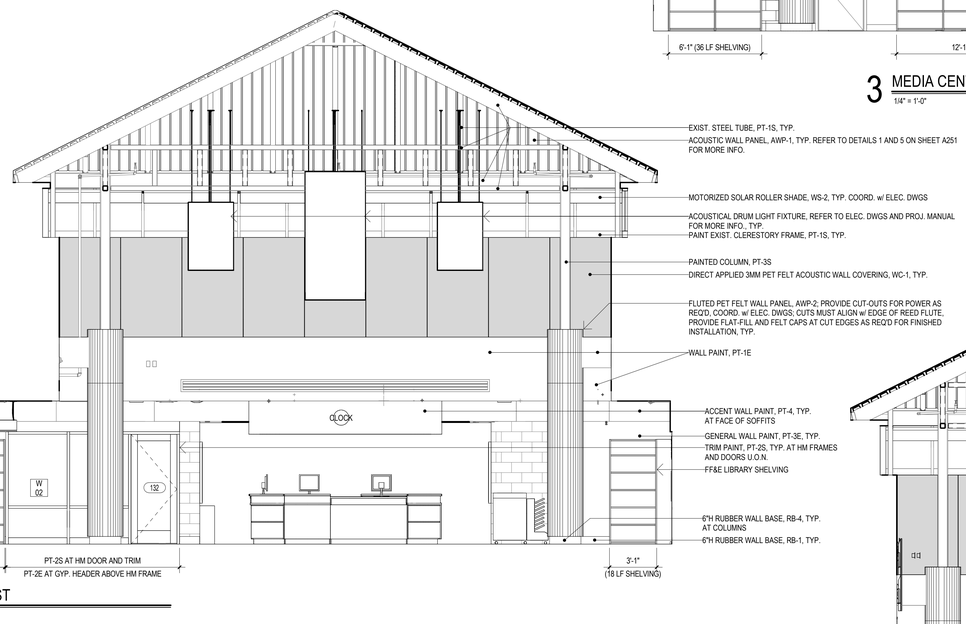
4/30/2026 2:23:14 PM



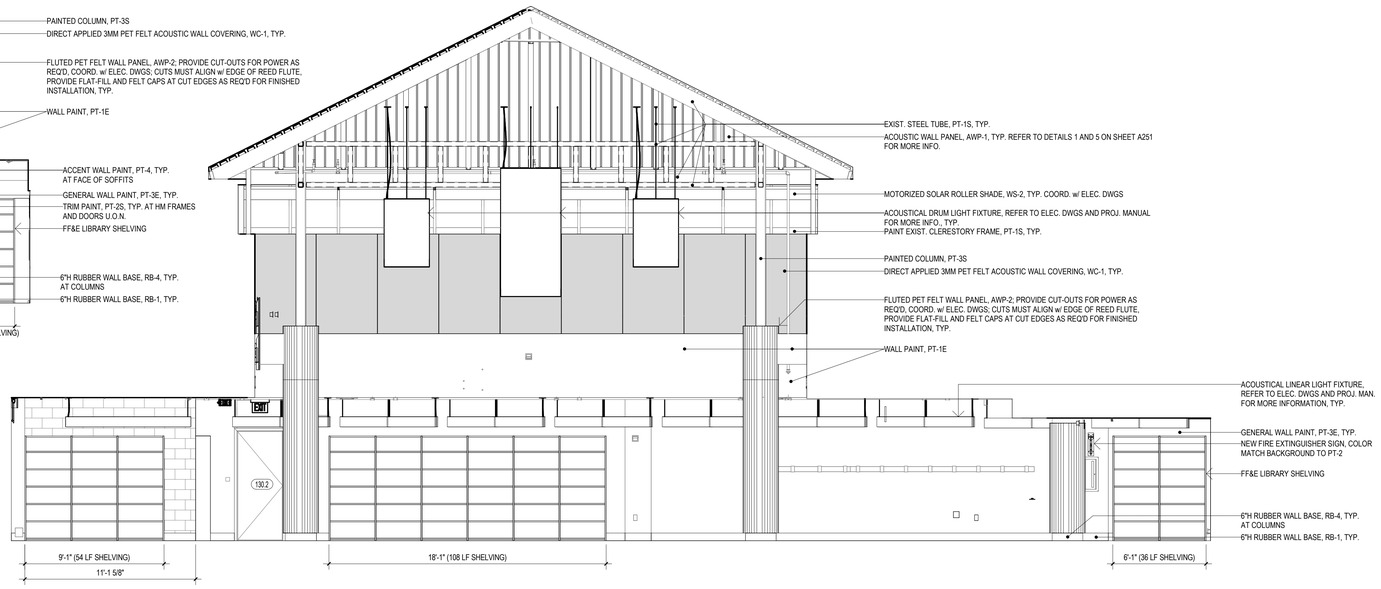

## 4 MEDIA CENTER - WEST
1/4" = 1'-0"




## 3 MEDIA CENTER - SOUTH
1/4" = 1'-0"




## 2 MEDIA CENTER - EAST
1/4" = 1'-0"




## 1 MEDIA CENTER - NORTH
1/4" = 1'-0"

PROJECT TITLE:
INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

| REVISION: | DESCRIPTION: | DATE: | REVISED BY: |
|---|---|---|---|

DRAWING TITLE:
INTERIOR ELEVATIONS

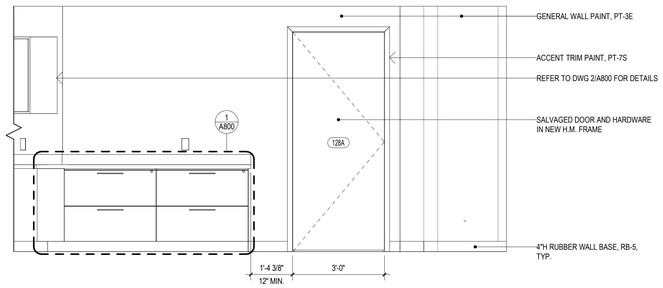
PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026

STATE PROJECT NUMBER:
205-0046 A

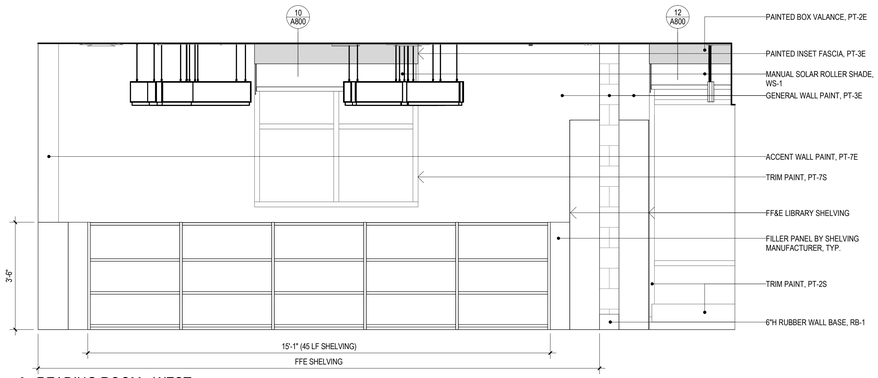
DATE: 11/07/2025
SCALE: 1/4" = 1'-0"
DRAWN BY: JLipset
PROJECT NUMBER: 23.195

DRAWING NUMBER:
A734

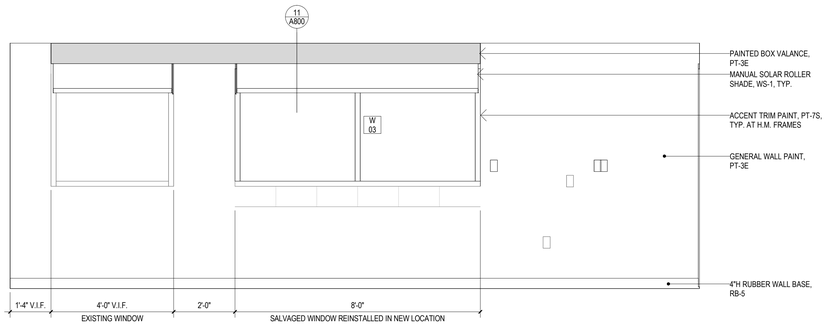
4/30/2026 2:23:19 PM



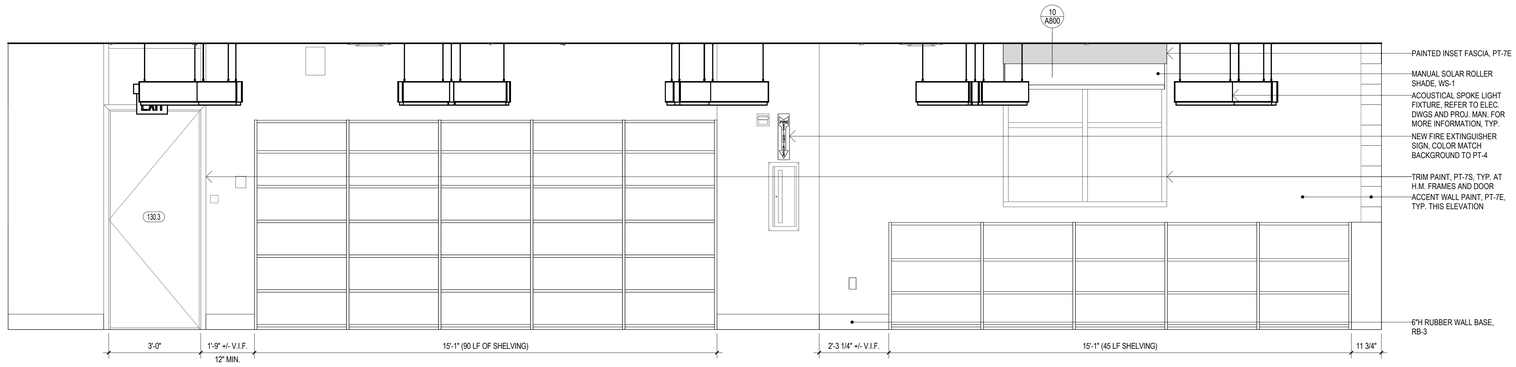

## 8 LIBRARY DIR. OFFICE - SOUTH EAST
1/2" = 1'-0"



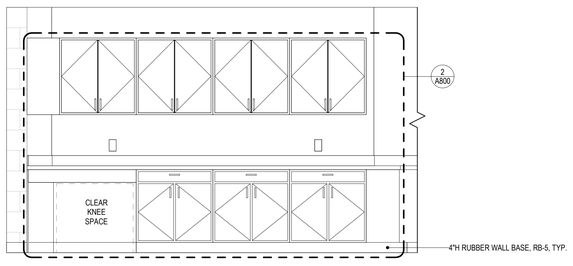

## 4 READING ROOM - WEST
1/2" = 1'-0"



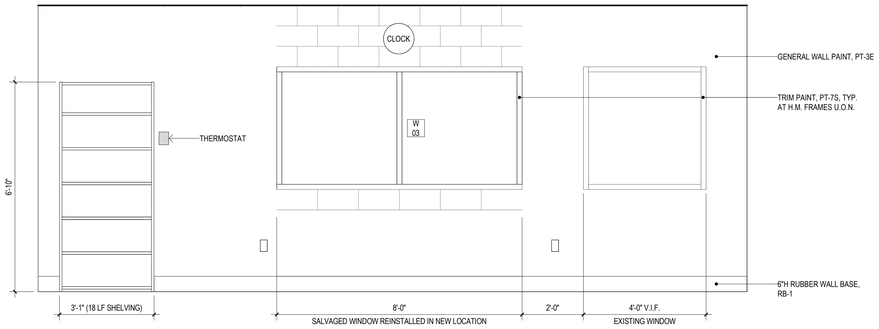

## 7 LIBRARY DIR. OFFICE - WEST
1/2" = 1'-0"



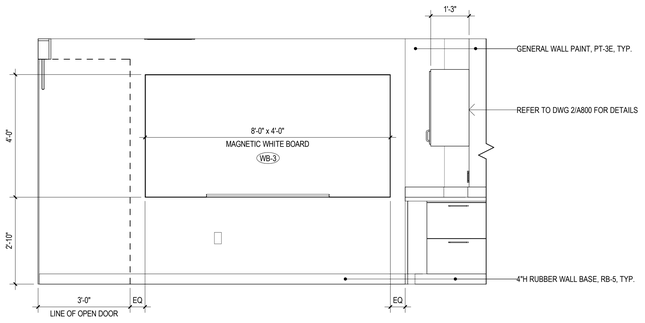

## 3 READING ROOM - SOUTH
1/2" = 1'-0"



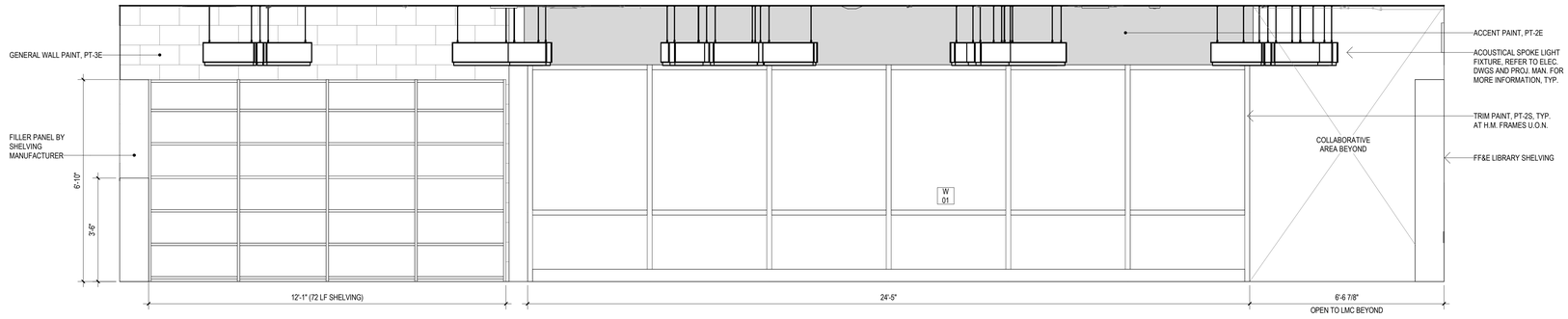

## 6 LIBRARY DIR. OFFICE - SOUTH
1/2" = 1'-0"




## 2 READING ROOM - EAST
1/2" = 1'-0"




## 5 LIBRARY DIR. OFFICE - EAST
1/2" = 1'-0"




## 1 READING ROOM - NORTH
1/2" = 1'-0"

PROJECT TITLE:
INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

| REVISION: | DESCRIPTION: | DATE: | REVISED BY: |
|---|---|---|---|

DRAWING TITLE:
INTERIOR ELEVATIONS

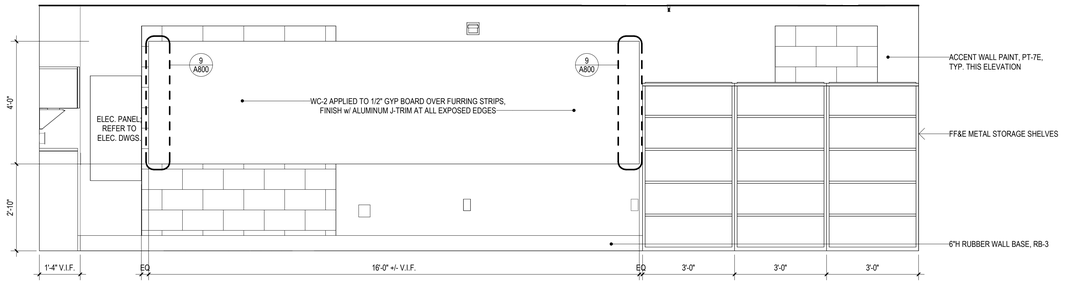
PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026

STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: 1/2" = 1'-0"
DRAWN BY: JLipset
PROJECT NUMBER: 23.195

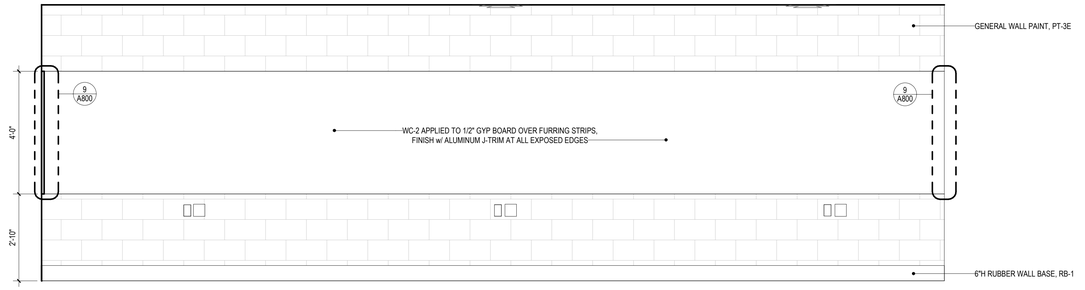
DRAWING NUMBER:
A735

4/30/2026 2:05:55 PM



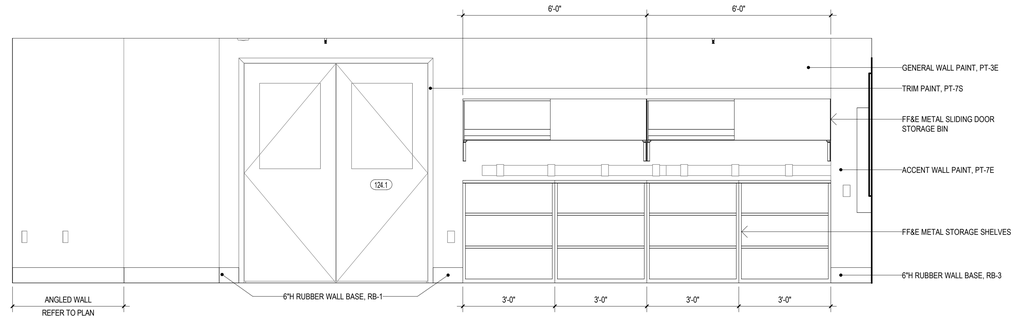

## 8 TECHNOLOGY OFFICE - SOUTH WEST

1/2" = 1'-0"



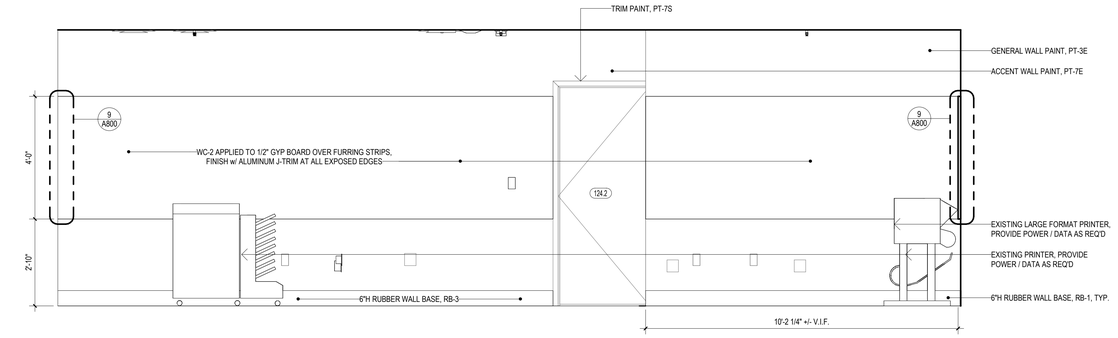

## 4 TECH SERVICES - NORTH

1/2" = 1'-0"



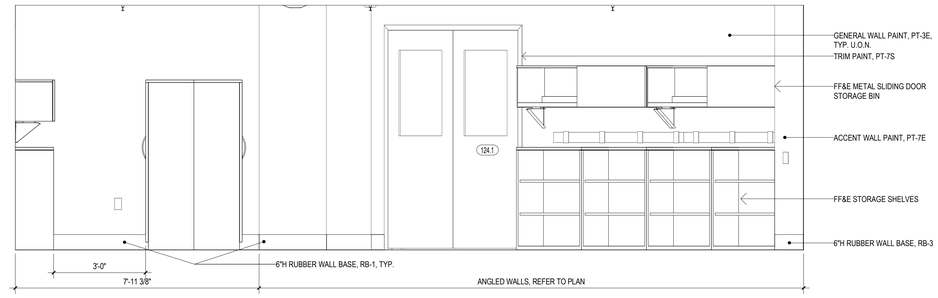

## 7 TECHNOLOGY OFFICE - SOUTH EAST

1/2" = 1'-0"



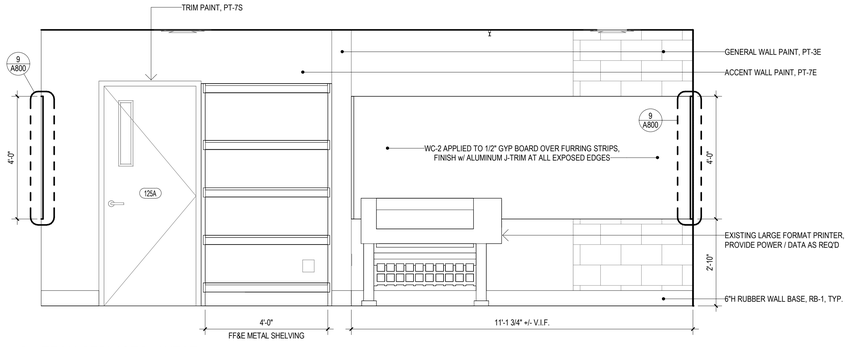

## 3 TECH SERVICES - SOUTH

1/2" = 1'-0"



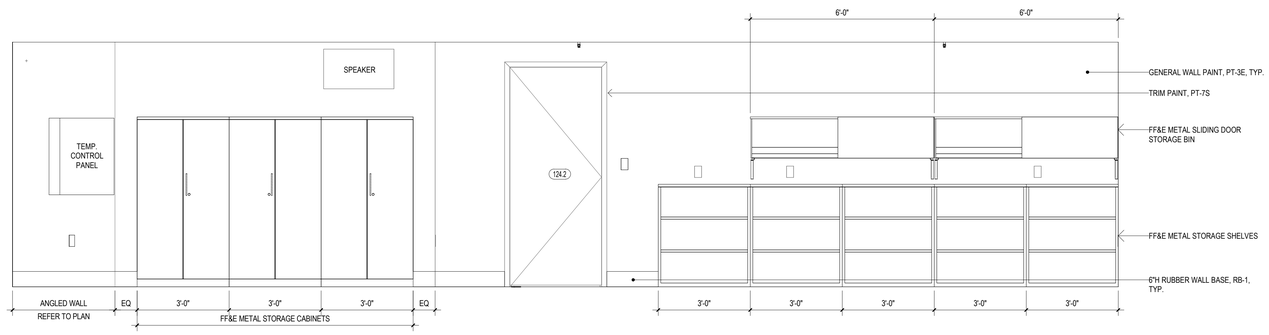

## 6 TECHNOLOGY OFFICE - EAST

1/2" = 1'-0"



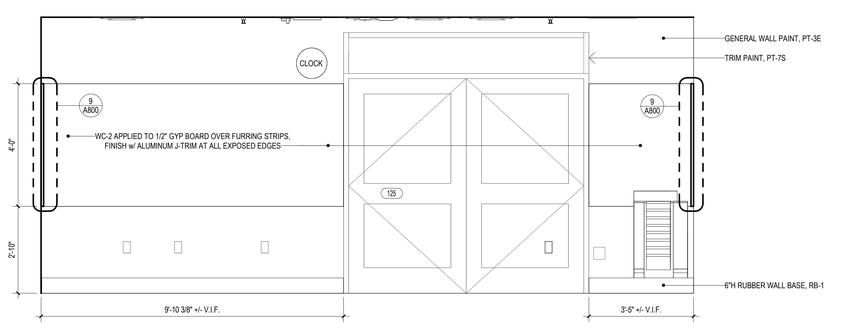

## 2 TECH SERVICES - WEST

1/2" = 1'-0"




## 5 TECHNOLOGY OFFICE - NORTH

1/2" = 1'-0"




## 1 TECH SERVICES - EAST

1/2" = 1'-0"

PROJECT TITLE:

INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE:
INTERIOR ELEVATIONS

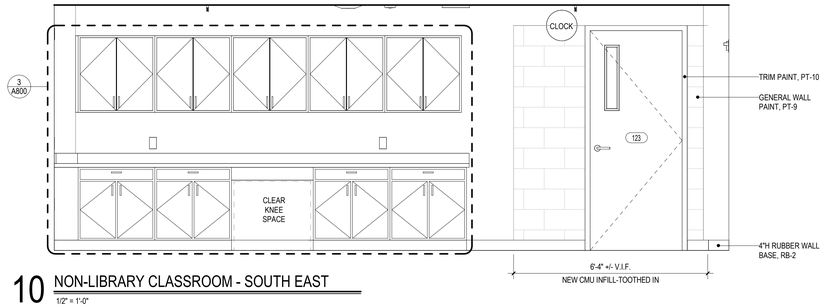
PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026

STATE PROJECT NUMBER:
205-0046 A

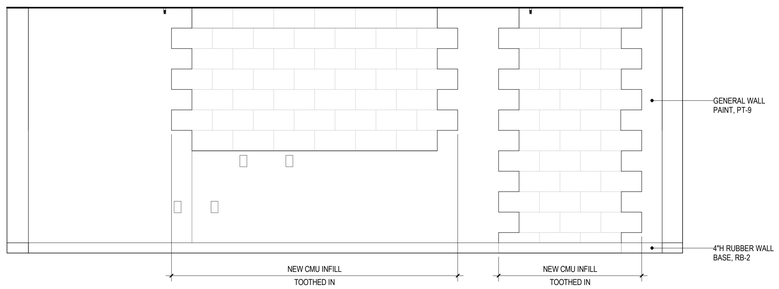
DATE: 11/07/2025
SCALE: 1/2" = 1'-0"
DRAWN BY: JLipset
PROJECT NUMBER: 23.195

DRAWING NUMBER:
A736

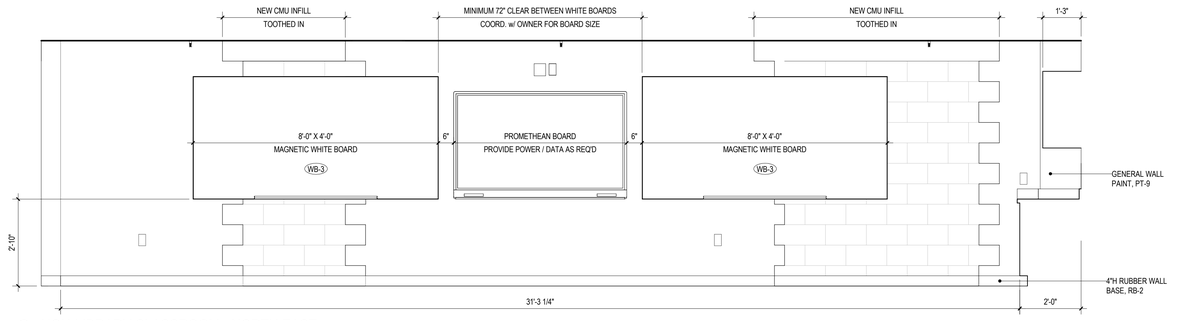
4/30/2026 2:08:58 PM



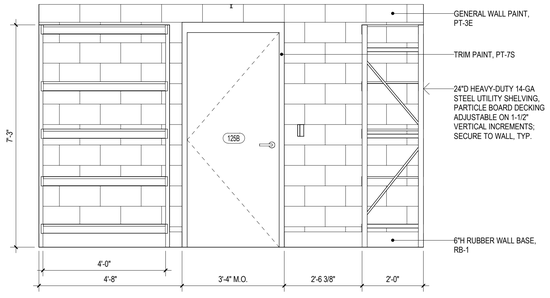

10 NON-LIBRARY CLASSROOM - SOUTH EAST
1/2" = 1'-0"



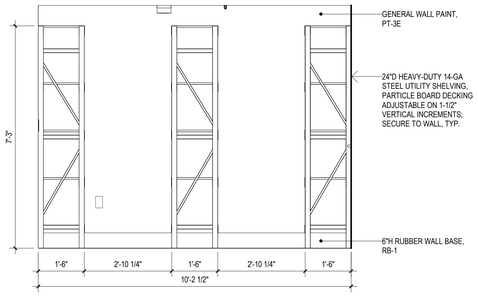

9 NON-LIBRARY CLASSROOM - NORTH WEST
1/2" = 1'-0"



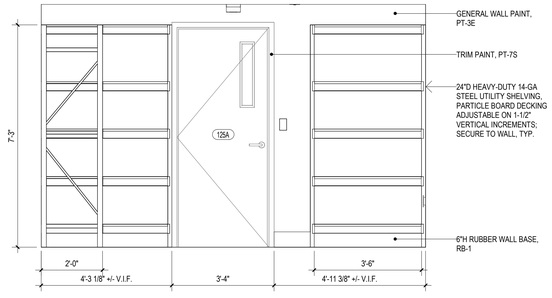

8 NON-LIBRARY CLASSROOM - NORTH EAST
1/2" = 1'-0"



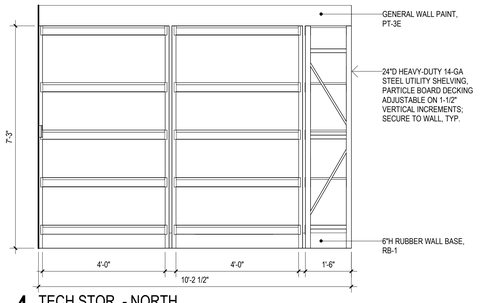

7 TECH STOR. - WEST
1/2" = 1'-0"



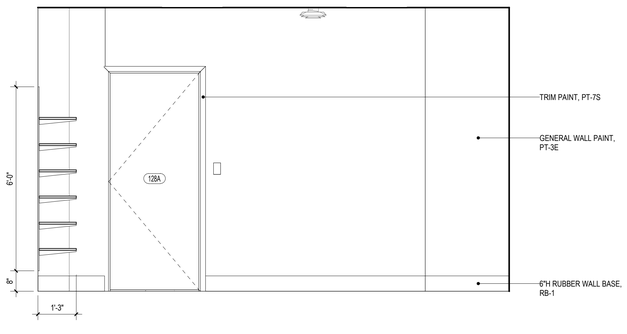

6 TECH STOR. - SOUTH
1/2" = 1'-0"



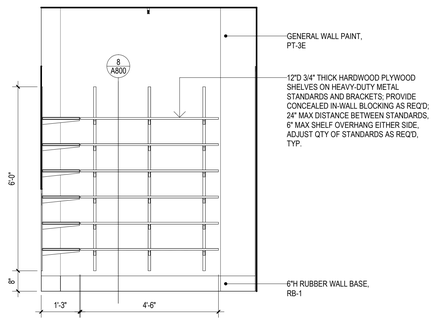

5 TECH STOR. - EAST
1/2" = 1'-0"



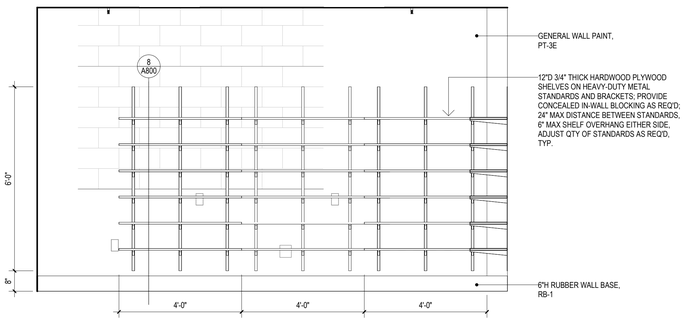

4 TECH STOR. - NORTH
1/2" = 1'-0"




3 STORAGE -WEST
1/2" = 1'-0"




2 STORAGE - SOUTH
1/2" = 1'-0"




1 STORAGE - EAST
1/2" = 1'-0"

PROJECT TITLE:
INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE:
INTERIOR ELEVATIONS

PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026

STATE PROJECT NUMBER:
205-0046 A

DATE:
11/07/2025

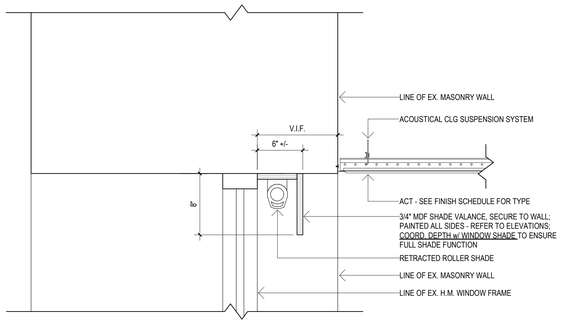
SCALE:
1/2" = 1'-0"

DRAWN BY:
JLipset

PROJECT NUMBER:
23.195

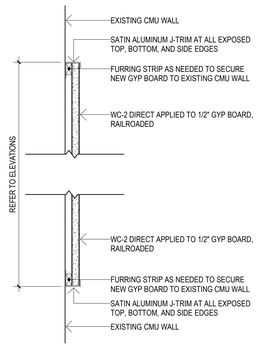
DRAWING NUMBER:
A737

4/30/2026 2:09:02 PM



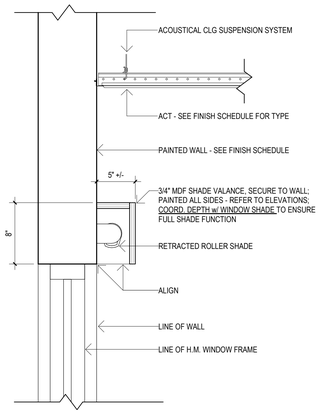

## 12 RECESSED FASCIA AT INSIDE MOUNT SHADE

1 1/2" = 1'-0" — REFERENCE DWG: 4 / A734



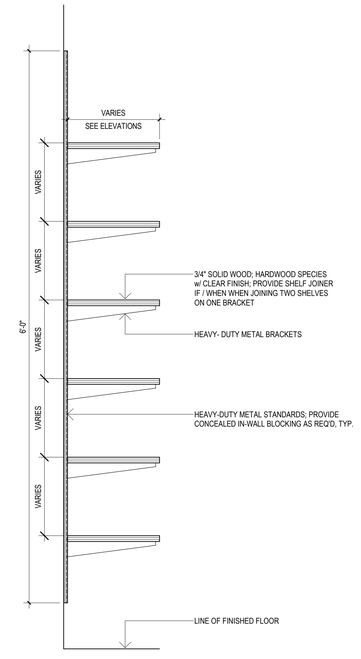

## 9 WC-2 APPLICATION DETAIL

3" = 1'-0" — REFERENCE DWG: 1 / A736



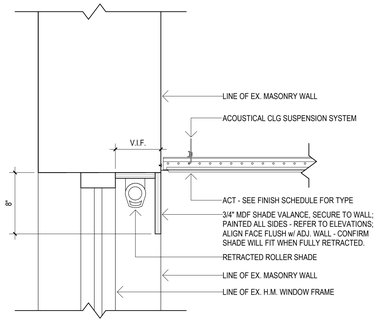

## 11 BOX VALANCE AT OUTSIDE MOUNT SHADE

1 1/2" = 1'-0" — REFERENCE DWG: 8 / A732



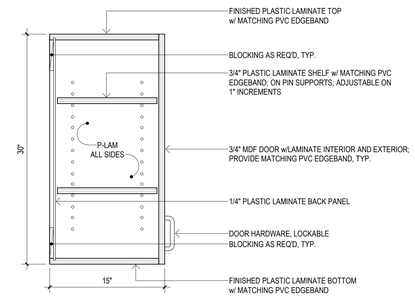

## 8 ADJ. HEIGHT SHELVING ON STANDARDS

1 1/2" = 1'-0" — REFERENCE DWG: 1 / A737



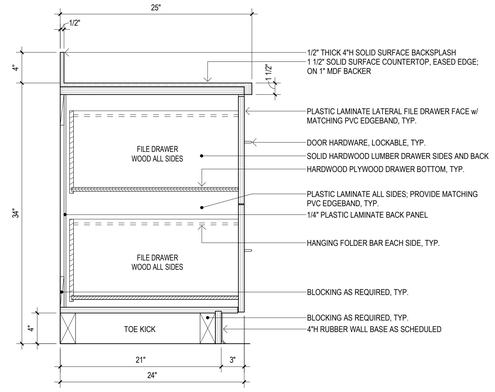

## 10 FLUSH FASCIA AT INSIDE MOUNT SHADE

1 1/2" = 1'-0" — REFERENCE DWG: 9 / A733



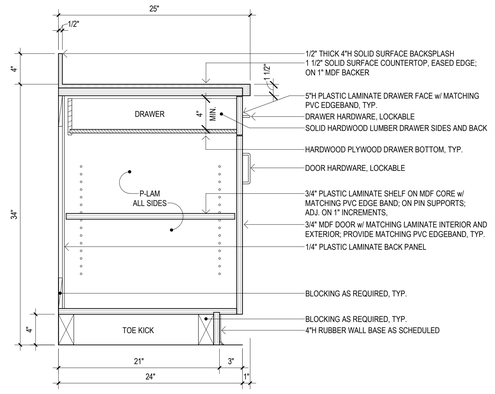

## 7 15"D UPPER WALL CABINET

1 1/2" = 1'-0" — REFERENCE DWG: 2 / A800



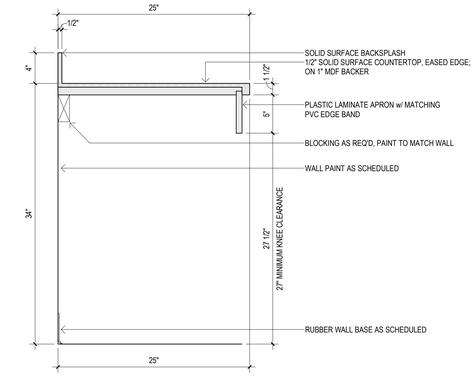

## 6 LATERAL FILE CASEWORK DETAIL

1 1/2" = 1'-0" — REFERENCE DWG: 1 / A800



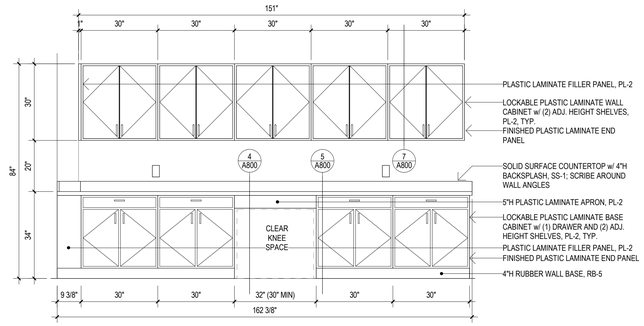

## 5 TYP. 34"H DOOR / DRAWER BASE CABINET

1 1/2" = 1'-0" — REFERENCE DWG: 2 / A800



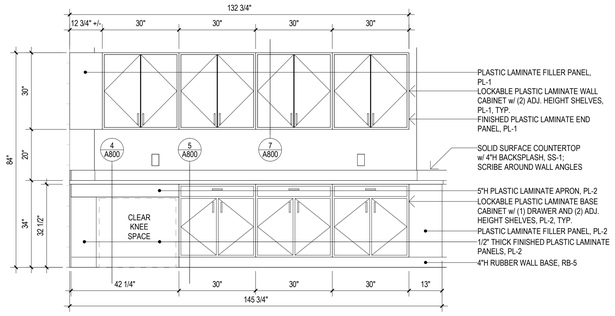

## 4 34"H COUNTER w/ 5" APRON

1 1/2" = 1'-0" — REFERENCE DWG: 2 / A800



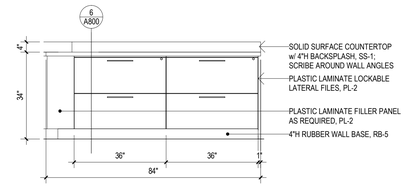

## 3 NON-LIBRARY CLASSROOM MILLWORK

1/2" = 1'-0" — REFERENCE DWG: 10 / A737




## 2 LIBRARY DIR. OFFICE MILLWORK - SOUTH

1/2" = 1'-0" — REFERENCE DWG: 6 / A735




## 1 LIBRARY DIR. OFFICE MILLWORK - SOUTH EAST

1/2" = 1'-0" — REFERENCE DWG: 8 / A735

PROJECT TITLE:
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REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE:
CASEWORK DETAILS

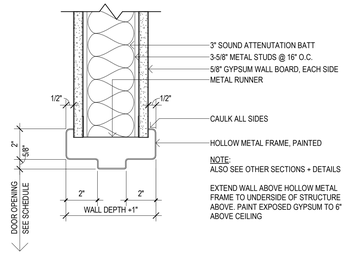
PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026

STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: As indicated
DRAWN BY: JLipset
PROJECT NUMBER: 23.195

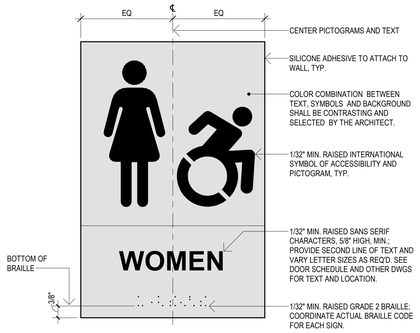
DRAWING NUMBER: A800

4/30/2026 2:09:03 PM



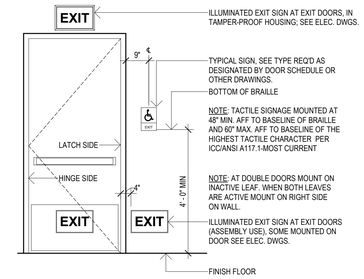

## 10 H.M. DOOR HEAD DTL.

3" = 1'-0"



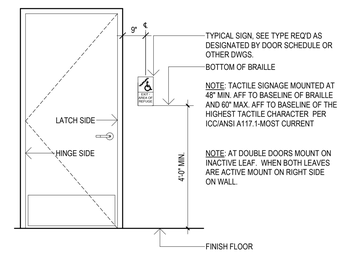

## 6 TYPICAL SIGN DETAIL

6" = 1'-0"



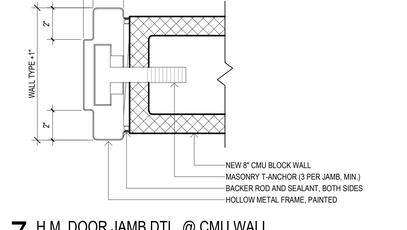

## 5 TYPICAL EXIT SIGN MOUNTING DETAIL

1/2" = 1'-0"




## 4 TYPICAL SIGN MOUNTING DETAILS

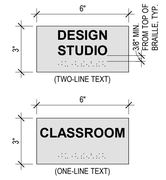
1/2" = 1'-0"




## 9 H.M. DOOR JAMB DTL.

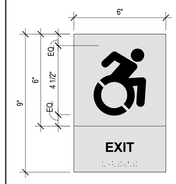
3" = 1'-0"

NOTE:
COORDINATE TEXT w/ RESPECTIVE ROOMS.



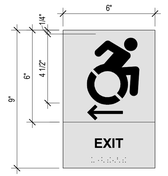

TYPE S1

NOTE:
COORDINATE TEXT AS INDICATED ON PLAN OR DOOR SCHED.



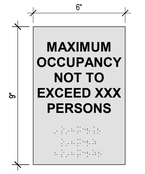

TYPE S4

NOTE:
COORDINATE DIRECTION OF ARROW AND TEXT AS INDICATED ON PLAN.




TYPE S7

NOTE:
COORDINATE ACTUAL OCCUPANT LOAD WITH ARCHITECT AND FIRE MARSHAL (REFER TO CODE PLAN FOR OCCUPANT LOADS.)

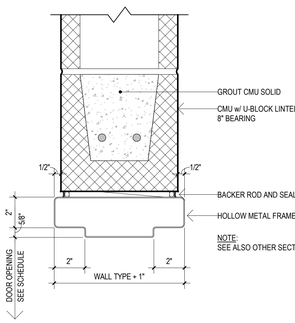



TYPE S11

SIGNAGE NOTES:
1. SIGNS SHALL COMPLY WITH CURRENT BUILDING CODE, ANSI STANDARDS, ADA REGULATIONS AND GUIDELINES, AND ALL OTHER APPLICABLE REGULATIONS.
2. TEXT ON SIGNS SHALL BE COORDINATED IN FIELD TO REFLECT ROOM USE, AND SHALL BE APPROVED BY ARCHITECT AND OWNER PRIOR TO FABRICATION.
3. SEE ALSO TYPICAL SIGN DETAIL AND TYPICAL SIGN MOUNTING DETAILS ON THIS SHEET.
4. WHEN SIGNS ARE MOUNTED ON GLAZING PANELS, PROVIDE A BLANK SIGN FOR OPPOSITE SIDE OF GLAZING TO CONCEAL ADHESIVE.
5. SEE ELEC. DRAWINGS FOR ALL ILLUMINATED SIGNAGE.
6. PROVIDE NEW FIRE EXTINGUISHER SIGNAGE AT ALL FE LOCATIONS; BACKGROUND COLOR TO MATCH PROJECT PAINT COLORS, FIGURE TWO DIFFERENT COLOR WAYS; DESIGNER TO ADVISE DURING SUBMITTAL PHASE.

## 3 SIGNAGE ELEVATIONS

3" = 1'-0"



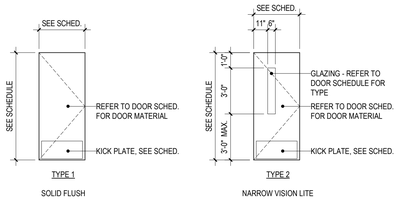

## 8 H.M. DOOR HEAD DTL. @ CMU WALL

3" = 1'-0"



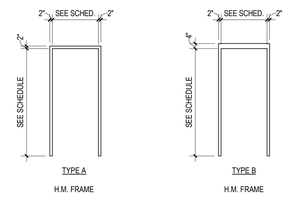

## 7 H.M. DOOR JAMB DTL. @ CMU WALL

3" = 1'-0"




## 2 DOOR ELEVATIONS

1/4" = 1'-0"




## 1 FRAME ELEVATIONS

1/4" = 1'-0"

## DOOR SCHEDULE - PARTIAL FIRST FLOOR

| DOOR # | DOOR SIZE: SINGLE LEAF DOOR | DOUBLE LEAF DOOR | UNEQUAL DOOR LEAFS | WIDTH | HEIGHT | DOOR TYPE | DOOR MATERIAL | DOOR FINISH | DOOR GLAZING | FRAME TYPE | FRAME MATERIAL | FRAME FINISH | FRAME GLAZING | HEAD DETAIL - A600 | JAMB DETAIL - A600 | SADDLE TYPE | FIRE RATING: RESISTS PASS. OF SMOKE | 90 MIN. (LABELED) | 60 MIN. (LABELED) | 45 MIN. (LABELED) | HARDWARE - REFER TO PROJECT MANUAL: NOT REQUIRED | CODE / SECURITY: PANIC / EXIT DEVICE | POSITIVE LATCHING | ELECTRO-MAGNETIC HOLD | ELEC. ACCESS CONTROL | DELAYED ACTION CLOSER | ALARMED EXIT | LOCKABLE | ACCESSIBILITY: POWER ASSIST OPERATOR | PUSH / PULL HANDLES | LEVER HANDLES | KICK PLATE | ACCESSIBLE THRESHOLD | SIGNAGE TYPE | SIGNAGE TEXT | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | ○ | | | 3'-0" | 7'-2" | EX | EX | EX | | EX | EX | EX | | | | | | | | | | | | | | | | | | | | | | | | ADD FLOOR STOP; REFER ALSO TO SHEET A111 |
| 123 | ○ | | | 3'-0" | 7'-2" | EX | EX | EX | GL-2 | A | HM | PTD | | 8 | 7 | | | | | | | | | | | | | | | | | | | S1 | CLASSROOM | SALVAGED FLUSH WOOD DOOR IN NEW LOCATION - ALTER TO ADD NARROW VISION LIGHT TO MATCH EX. DOOR TYPE 2 IN KIND |
| 124.1 | | ○ | | 3'-0" | 7'-2" | EX | EX | EX | | EX | EX | PTD | | | | | | | | | | | | | | | | | | | | | | TECHNOLOGY OFFICE | EX. DOOR, FRAME, AND HARDWARE; PAINT FRAME AS SCHED; REFER ALSO TO FINISH PLAN, FINISH NOTES, AND ELEVATIONS |
| 124.2 | ○ | | | 3'-0" | 7'-2" | EX | EX | EX | | EX | EX | PTD | | | | | | | | | | | | | | | | | | | | | | TECHNOLOGY OFFICE | EX. DOOR, FRAME, AND HARDWARE; PAINT FRAME AS SCHED; REFER ALSO TO FINISH PLAN, FINISH NOTES, AND ELEVATIONS |
| 125 | | ○ | | 3'-0" | 7'-0" | EX | EX | EX | EX | EX | EX | PTD | | | | | | | | | | | | | | | | | | | | | | TECH. SERVICES | EX. DOOR, FRAME, AND HARDWARE; PAINT FRAME AS SCHED; REFER ALSO TO FINISH PLAN, FINISH NOTES, AND ELEVATIONS |
| 125A | ○ | | | 3'-0" | 7'-2" | EX | EX | EX | EX | EX | EX | PTD | | | | | | | | | | | | | | | | | | | | | | TECH. STORAGE | EX. DOOR, FRAME, AND HARDWARE; PAINT FRAME AS SCHED; REFER ALSO TO FINISH PLAN, FINISH NOTES, AND ELEVATIONS |
| 125B | ○ | | | 3'-0" | 7'-0" | EX | EX | EX | | B | HM | PTD | | 8 | 7 | | | | | | | | | | | | | | | | | | | SERVER ROOM | SALVAGED DOOR AND HARDWARE (INCLUDING ACCESS CONTROL) IN NEW FRAME / LOCATION |
| 128.1 | ○ | | | 3'-0" | 7'-2" | EX | EX | EX | | EX | EX | PTD | | | | | | | | | | | | | | | | | | | | | | LIBRARY DIRECTORS' OFFICE | EX. DOOR, FRAME, AND HARDWARE; PAINT FRAME AS SCHED; REFER ALSO TO FINISH PLAN, FINISH NOTES, AND ELEVATIONS |
| 128.2 | ○ | | | 3'-0" | 7'-2" | EX | EX | EX | | EX | EX | PTD | | | | | | | | | | | | | | | | | | | | | | LIBRARY DIRECTORS' OFFICE | EX. DOOR, FRAME, AND HARDWARE; PAINT FRAME AS SCHED; REFER ALSO TO FINISH PLAN, FINISH NOTES, AND ELEVATIONS |
| 128A | ○ | | | 3'-0" | 7'-2" | EX | EX | EX | | A | HM | PTD | | 10 | 9 | | | | | | | | | | | | | | | | | | | STORAGE | SALVAGED DOOR AND HARDWARE IN NEW FRAME / LOCATION |
| 129 | ● | | | 3'-0" | 7'-2" | 2 | HM | PTD | GL-2 | | | | | 12 | 11 | | | | | | ● | | ● | | | | | | | ● | ● | ● | | STAFF WORKROOM | REFER TO WINDOW TYPE W02 FOR FRAME / DETAILS |
| 130.1 | | ● | | 3'-2" | 7'-2" | 3 | HM | PTD | GL-6 | A | HM | PTD | | 8 | 7 | | | | ● | | ● | | ● | | ● | | | | | ● | ● | ● | | LIBRARY MEDIA CENTER | |
| 130.2 | ○ | | | 3'-0" | 7'-2" | EX | EX | EX | | EX | EX | EX | | | | | | | | | | | | | | | | | | | | | | | | PROVIDE NEW FIRE EXTINGUISHER SIGN ON ADJACENT WALL; REFER TO 1/A734 FOR MORE INFORMATION |
| 130.3 | ○ | | | 3'-0" | 7'-2" | EX | EX | EX | | EX | EX | EX | | | | | | | | | | | | | | | | | | | | | | | | PROVIDE NEW FIRE EXTINGUISHER SIGN ON ADJACENT WALL; REFER TO 3/A735 FOR MORE INFORMATION |
| 130.4 | | ● | | 3'-2" | 7'-2" | 3 | HM | PTD | GL-6 | A | HM | PTD | | 8 | 7 | | | | ● | | ● | ● | ● | | ● | | | | | ● | ● | ● | | | |
| 131.1 | ● | | | 3'-0" | 7'-2" | 2 | HM | PTD | GL-2 | | | | | 12 | 11 | | | | | | ● | | ● | | | | | | | ● | ● | ● | | LIBRARY CLASSROOM | REFER TO WINDOW TYPE W02 FOR FRAME / DETAILS |
| 131.2 | ○ | | | 3'-0" | 7'-0" | EX | EX | EX | | EX | EX | PTD | | | | | | | | | | | | | | | | | | | | | | LIBRARY CLASSROOM | EX. DOOR, FRAME, AND HARDWARE; PAINT FRAME AS SCHED; REFER ALSO TO FINISH PLAN, FINISH NOTES, AND ELEVATIONS |
| 132 | ● | | | 3'-0" | 7'-2" | 2 | HM | PTD | GL-2 | | | | | 12 | 11 | | | | | | ● | | ● | | | | | | | ● | ● | ● | | PODCASTING | REFER TO WINDOW TYPE W02 FOR FRAME / DETAILS |
| 133 | ○ | | | 3'-0" | 7'-2" | EX | EX | EX | EX | EX | EX | PTD | | | | | | | | | | | | | | | | | | | | | | RECORDING | EX. DOOR, FRAME, AND HARDWARE; PAINT FRAME AS SCHED; REFER ALSO TO FINISH PLAN, FINISH NOTES, AND ELEVATIONS |

○ EXISTING WORK
● NEW WORK

GENERAL NOTES:
- CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.
- ALL NEW KICK PLATES SHALL BE 16" HIGH AND OFFSET 1" FROM EDGES OF DOOR UNLESS OTHERWISE NOTED. SEE SCHEDULE FOR MORE INFO.
- ALL GLASS IN DOORS, SIDE LITES AND TRANSOMS SHALL BE TEMPERED. SEE SCHEDULE AND WINDOW ELEVATIONS FOR ADDITIONAL GLAZING REQUIREMENTS.
- ALL EXTERIOR DOORS SHALL RECEIVE FULL WEATHER STRIPPING ON ALL SIDES, TOP AND BOTTOM.
- ALL HOLLOW METAL FRAMES (NEW AND EXISTING TO REMAIN) SHALL BE PAINTED. COLOR AS SELECTED BY ARCHITECT.
- DOORS SCHEDULED TO BE INSTALLED IN EXISTING FRAMES SHALL BE FABRICATED TO FIT WITHIN EXISTING FRAME CONFIGURATION. ANY REMAINING HOLES AND/OR CUTOUTS IN FRAME SHALL BE FILLED WITH METAL PLATES, GROUND SMOOTH AND PAINTED.
- AT ALL EXISTING DOOR LOCATIONS, PROVIDE NEW REPLACEMENT HARDWARE AND/ OR DOOR SLAB AS INDICATED INDIVIDUALLY IN SCHEDULE.
- VERIFY ALL EXISTING ROUGH OPENINGS / MASONRY OPENINGS PRIOR TO ORDERING AND INSTALLING FRAMES.
- COORDINATE ALL DOORS, FRAMES, GLAZING, AND HARDWARE WITH CODE PLANS FOR REQUIRED FIRE RATINGS.
- ALL EXTERIOR HOLLOW METAL DOORS AND FRAMES SHALL BE THERMALLY BROKEN AND INSULATED.
- ALL EXISTING WOOD DOORS TO BE REFINISHED/ STAINED WITH A CLEAR COAT. ALL EXISTING HM DOORS TO BE PAINTED AS NOTED IN SCHEDULE OF FINISHES.
- FOR HOLLOW METAL JAMB ANCHORS AT MASONRY OPENINGS SEE DETAIL
- DOOR, GLAZING & ASSOCIATED HARDWARE PER MANUFACTURER
- COORD. W/ MANUF. INSTALL REQUIREMENTS
- COORD. w/ ELEC DWGS FOR REMOTE ACCESS CONTROLS

ABBREVIATION LEGEND:
-EX EXISTING
-HM HOLLOW METAL
-PTD PAINTED

PROJECT TITLE:
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AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE:
DOOR DETAILS AND SCHEDULE, SIGNAGE
PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026
STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: As indicated
DRAWN BY: JLipset
PROJECT NUMBER: 23.195

DRAWING NUMBER: A930

4/3/2026 2:03:04 PM

## PIPE AND FITTING SCHEDULE

| DESCRIPTION | SIZE | PIPE | | PIPE | | REMARKS |
|---|---|---|---|---|---|---|
| | | TYPE | SCHEDULE | TYPE | SCHEDULE | |
| UNDERGROUND FIRE PROTECTION SERVICE PIPING | ALL | CLDI | CLASS 52 | DIMJ | 250 | -- |
| WET SPRINKLER PIPING | 2" AND SMALLER | STL-BLK | 40 | MIT | STD | -- |
| WET SPRINKLER PIPING | 2-1/2" AND LARGER | STL-BLK | 10 | GRV | STD | -- |
| DRY SPRINKLER PIPING | 2" AND SMALLER | GALV. | 40 | MIT | STD | ALL FITTINGS MUST BE GALVANIZED |
| DRY SPRINKLER PIPING | 2-1/2" AND LARGER | GALV. | 40 | GRV | STD | ALL FITTINGS MUST BE GALVANIZED |
| DRY SPRINKLER PIPING <u>ONLY FOR SYSTEMS NORMALLY N2-CHARGED</u> | 2" AND SMALLER | STL-BLK | 40 | MIT | STD | -- |
| DRY SPRINKLER PIPING <u>ONLY FOR SYSTEMS NORMALLY N2-CHARGED</u> | 2-1/2" AND LARGER | STL-BLK | 10 OR 40 | MIT / GRV | STD | -- |
| DRAIN PIPING | ALL | GALV. | 40 | MIT / GRV | STD | ALL FITTINGS MUST BE GALVANIZED |
| FIRE DEPARTMENT CONNECTION PIPING | ALL | GALV. | 40 | MIT / GRV | STD | ALL FITTINGS MUST BE GALVANIZED |
| FIRE PUMP ROOM PIPING | ALL | STL-BLK | 40 | FL / GRV | STD | ALL PIPING PAINTED IN ACCORDANCE WITH NFPA (COORDINATE WITH ARCHITECT) |

NOTES:
1. ALL PIPE ON THE SUCTION SIDE OF THE FIRE PUMP SHALL BE FLANGED TYPE CONNECTIONS AND FITTINGS.

2. ALL EXPOSED PIPING AND FITTINGS WITHIN FINISHED AREAS SHALL BE CUSTOM PAINTED IN ACCORDANCE WITH NFPA, OWNERS PAINTING REQUIREMENTS AND COORDINATED WITH ARCHITECT.

3. ALL PIPING IN RETURN AIR CEILING PLENUM INSTALLATIONS SHALL BE UL LISTED FOR THIS APPLICATION

| ABBREVIATIONS | DESCRIPTION | ABBREVIATIONS | DESCRIPTION |
|---|---|---|---|
| CI | CAST IRON | GRV | GROOVED JOINT SYSTEM FITTINGS / COUPLINGS |
| CLDI | CEMENT LINED DUCTILE IRON | GALV. | GALVANIZED STEEL |
| CUS | WROUGHT COPPER SOLDER (95/5) | MIT | MALLEABLE IRON THREADED |
| DI | DUCTILE IRON | STD | STANDARD |
| DIMJ | DUCTILE IRON MECHANICAL JOINT | STL-BLK | BLACK STEEL |
| FL | FLANGED | | |

## VALVE SCHEDULE

| DESCRIPTION | SIZE | TYPE | | | | CLASS | REMARKS |
|---|---|---|---|---|---|---|---|
| | | OS&Y | BUTTERFLY | CHECK | BALL | | |
| UNDERGROUND FIRE PROT. SERVICE | ALL | OS&YF | BFVF | CVF | BVF | 175 PSI | -- |
| WET SPRINKLER PIPING | 2" AND SMALLER | OS&YT | BFVT | CVT | BVT | 175 PSI | -- |
| WET SPRINKLER PIPING | 2-1/2" AND LARGER | OS&YG | BFVG | CVG | BVG | 175 PSI | -- |
| DRY SPRINKLER PIPING | 2" AND SMALLER | OS&YT | BFVT | CVT | BVT | 175 PSI | -- |
| DRY SPRINKLER PIPING | 2-1/2" AND LARGER | OS&YG | BFVG | CVG | BVG | 175 PSI | -- |
| DRAIN PIPING | ALL | -- | -- | -- | BVT | 175 PSI | -- |
| FIRE DEPARTMENT CONNECTION PIPING | ALL | -- | -- | CVG | -- | 175 PSI | -- |
| FIRE PUMP ROOM PIPING | ALL | OS&YF | BFVF | CVF | -- | 175 PSI | ALL VALVES SHALL BE IN ACCORDANCE IWTH NFPA 20 |

| ABBREVIATION | DESCRIPTION | ABBREVIATION | DESCRIPTION |
|---|---|---|---|
| BVF | BALL VALVE FLANGED - FULL PORT, BRONZE | CVF | CHECK VALVE FLANGED |
| BVG | BALL VALVE GROOVED - FULL PORT, BRONZE | CVG | CHECK VALVE GROOVED |
| BVT | BALL VALVE THREADED - 2-PIECE, FULL PORT, 400PSI, BRONZE | CVT | CHECK VALVE THREADED - BRONZE |
| BFVF | BUTTERFLY VALVE FLANGED | OS&YF | OS&Y RAISING STEM VALVE FLANGED |
| BFVG | BUTTERFLY VALVE GROOVED | OS&YG | OS&Y RAISING STEM VALVE GROOVED |
| BFVT | BUTTERFLY VALVE THREADED | OS&YT | OS&Y RAISING STEM VALVE THREADED |

## SPRINKLER HEAD SCHEDULE

| TYPE | STYLE | RESPONSE | COVERAGE | COLOR | DISCHARGE COEFFICENT (K) | ORIFICE | TEMP. | MANUFACTURE | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | MODEL | SIN | |
| PENDENT | CONCEALED | QUICK | STANDARD | WHITE | 5.6K | 1/2" | 155°F | VICTAULIC V38 | V3802 | -- |
| DRY PENDENT | CONCEALED | QUICK | STANDARD | WHITE | 5.6K | 1/2" | 155°F | VICTAULIC V33 | V3302 | -- |
| PENDENT | EXPOSED | QUICK | STANDARD | BRASS | 5.6K | 1/2" | 155°F | VICTAULIC V27 | V2708 | -- |
| SIDE WALL | EXPOSED | QUICK | STANDARD | BRASS | 5.6K | 1/2" | 155°F | VICTAULIC V27 | V2710 | -- |
| SIDE WALL | CONCEALED | QUICK | EXTENDED | BRASS | 5.6K | 1/2" | 155°F | VICTAULIC V56 | V5613 | 16x20 @ 32 GPM / 32.7 PSI |
| DRY SIDEWALL | RECESSED | QUICK | STANDARD | CHROME * | 5.6K | 1/2" | 155°F | VICTAULIC V36 | V3610 | -- |
| PENDENT | INSTITUTIONAL | QUICK | STANDARD | WHITE PLATE * | 5.6K | 1/2" | 155°F | TYCO RAVEN | TY3281 | -- |
| UPRIGHT | EXPOSED | QUICK | STANDARD | BRASS | 5.6K | 1/2" | 155°F | VICTAULIC V27 | V2704 | SEE NOTE 5 |
| UPRIGHT | EXPOSED | QUICK | STANDARD | BRASS | 5.6K | 1/2" | 175°F - 225°F (INT. TEMP) | VICTAULIC V27 | V2704 | SEE NOTE 5 |
| UPRIGHT | EXPOSED | QUICK | STANDARD | BRASS | 5.6K | 1/2" | 250°F - 300°F (HIGH TEMP) | VICTAULIC V27 | V2704 | SEE NOTE 5 |

NOTES:

1. FINIAL COLORS TO BE SELECTED BY ARCHITECT.
2. IN AREAS WITH FINISHED CEILINGS CONCEALED, PENDENT SPRINKLER HEADS AND CONCEALED PIPING SHALL BE UTILIZED, UNLESS OTHERWISE INDICATED ON PLANS
3. IN AREAS WITHOUT CEILINGS, EXPOSED UPRIGHT SPRINKLER HEADS AND EXPOSED PIPING SHALL BE UTILIZED. UL LISTED HEAD GUARDS SHALL BE PROVIDED IN AREAS SUBJECT TO DAMAGE (I.E. MECHANICAL ROOMS, GYMS, ETC...)
4. FLEXIBLE SPRINKLER HEADS ASSEMBLIES SHALL BE 6' IN LENGTH, UL LISTED AND HAVE A STAINLESS STEEL BRAID SIMILAR TO VICTAULIC "VICFLEX" AQB BRAIDED SERIES. FLEXIBLE SPRINKLER ASSEMBLIES EQUIVALENT LENGTH MUST BE TAKING IN ACCOUNT WHEN PRODUCING HYDRAULIC CALCULATIONS.
5. PROVIDE HIGH-TEMPERATURE CLASSIFICATION SPRINKLERS IN HIGH-TEMPERATRUE ZONES, AND PROVIDE INTERMEDIATE-TEMPERATURE CLASSIFICATION SPRINKLER IN-INTERMEDIATE TEMPERATURE ZONES ADJACENT TO FINALIZED UNIT HEATER LOCATION (BY MECH DIV.). INSTALL IN ACCORDANCE WITH NFPA 13.

## FIRE PROTECTION GENERAL NOTES

GENERAL

1. UTILIZE CONCEALED PENDENT SPRINKLERS AND PIPING IN AREAS WITH FINISHED CEILINGS, AND EXPOSED PIPING AND UPRIGHT SPRINKLERS IN AREAS WITHOUT CEILINGS. CONCEALED SPRINKLER HEADS LOCATED IN ACOUSTICAL TILES TO UTILIZE FLEX HOSE PIPING 6' IN LENGTH. PROVIDE AND INSTALL SPRINKLERS UNDER AND ABOVE ALL OBSTRUCTIONS IN ACCORDANCE WITH NFPA 13.
2. FIRE PROTECTION PLANS ARE INTENDED TO INDICATE TOTAL COVERAGE AND MAY OR MAY NOT INDICATE ALL SPRINKLER HEADS. SPRINKLER HEADS INDICATED ON DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE NOT BE COUNTED FOR BID (IT IS NOT THE INTENT OF THESE DRAWINGS TO SHOW ENTIRE PIPING LAYOUT, PROPOSED MAINS AND DEVICES INDICATED ONLY). THE CONTRACTOR SHALL PROVIDE A COMPLETE SPRINKLER SYSTEM WITH COMPLETE SPRINKLER COVERAGE, INDICATED OR NOT. ITEMS AND SERVICES NOT SHOWN ON DRAWINGS OR SPECIFICATIONS BUT REQUIRED TO RENDER THE WORK COMPLETE, IN ACCORDANCE WITH NFPA, INSURANCE COMPANY REQUIREMENTS AND OWNERS, READY FOR OPERATION, SHALL BE PROVIDED AND INSTALLED. THE CONTRACTOR SHALL PROVIDE COMPLETE SPRINKLER COVERAGE AS REQUIRED INCLUDING BUT NOT LIMITED TO: CRAWL SPACES, CONCEALED COMBUSTIBLE SPACES, SHAFTS, AND ALL CLOSETS.
3. DRAWINGS ARE DIAGRAMMATIC AND INDICATE A GENERAL ARRANGEMENT OF WORK AND ARE NOT TO BE CONSIDERED SUBCONTRACTOR DOCUMENTS. IT IS THE INTENT OF THESE DOCUMENTS TO INCLUDE THE PROVISION AND INSTALLATION OF ALL NECESSARY WORK AND MATERIALS FOR COMPLETE, OPERATIONAL AND CODE COMPLIANT SYSTEMS BY THE CONTRACTOR. GENERAL DESIGN CONCEPTS INDICATED MUST BE FOLLOWED OR BETTERED. THE BID SHALL INCLUDE OFFSETS, ADDITIONAL PIPING, VALVES AND EQUIPMENT AND COMPONENTS AS REQUIRED TO MEET CONSTRUCTION CONDITIONS FOR PROPER OPERATION. DO NOT SCALE DRAWINGS. CONSULT ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR SPACE CONDITIONS AND ADDITIONAL REQUIREMENTS.
4. WHEN A CONFLICT BETWEEN THE DRAWINGS, NOTES AND/OR SPECIFICATIONS OCCUR, THE MORE STRINGENT, AND/OR LARGER QUANTITY AND/OR MORE EXPENSIVE SHALL APPLY. THE REQUIREMENTS LISTED WITHIN NOTES OR SPECIFICATIONS SHALL BE REQUIRED, PROVIDED AND INSTALLED WHETHER SPECIFICALLY INDICATED ON THE DRAWINGS OR NOT.
5. THE CONTRACTOR SHALL COORDINATE SPRINKLER HEAD LOCATIONS WITH THE LATEST ARCHITECTURAL REFLECTED CEILING PLANS. ANY DISCREPANCIES SHALL BE BROUGHT BACK TO THE ARCHITECT/ ENGINEER. DO NOT SCALE DRAWINGS FOR DIMENSIONS NOT INDICATED. REFER TO ARCHITECT FOR RESOLUTION FOR ANY DIMENSIONS NOT INDICATED.
6. IT IS THE INTENTION OF THE SPECIFICATIONS AND DRAWINGS TO PROVIDE FOR FINISHED WORK, TESTED AND READY FOR OPERATION.
7. THE DESIGN OF ALL FIRE SUPPRESSION SYSTEMS WILL BE IN ACCORDANCE WITH THE LOCAL AND STATE BUILDING CODE, NFPA 13, FM GLOBAL. USE ONLY UL/FM SPRINKLERS, MATERIALS AND DEVICES, UNLESS NOTED OTHERWISE.
8. CONCEALED SPRINKLERS AND PIPING SHALL BE INSTALLED IN AREAS WITH FINISHED CEILINGS. AREAS WITH EXPOSED CONSTRUCTION SHALL HAVE EXPOSED PIPING AND SPRINKLERS (CUSTOM COLOR)
9. THE SPRINKLER CONTRACTOR IS REQUIRED TO VISIT THE SITE AT THE TIME OF BID, TO EXAMINE CONDITIONS AND BECOME FAMILIAR WITH THE JOB, NOTING DEGREE OF DIFFICULTY IN GETTING EQUIPMENT (INCLUDING LIFTS AND SCAFFOLDS) IN AND OUT OF THE BUILDING. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER IN WRITING PRIOR TO SUBMITTING A BID.
10. NOTIFY PROPER AUTHORITIES (INCLUDING BUT NOT LIMITED TO: THE LOCAL A.H.J., INSURANCE COMPANY, ETC.) OF ANY FIRE PROTECTION "SHUT DOWNS". SCHEDULE ALL WORK TO MINIMIZE THE LENGTH OF TIME THAT THE FIRE PROTECTION SYSTEM(S) WILL BE OUT OF SERVICE. RETURN THE SPRINKLER SYSTEM BACK IN SERVICE AT THE END OF EACH WORKING DAY. IF A FIRE WATCH IS REQUIRED BY THE LOCAL A.H.J. BUILDING MANAGER, ETC. IT SHALL BE PROVIDED BY THE GENERAL CONTRACTOR. FIRE WATCH SCHEDULING AND PERSONNEL SHALL BE COORDINATED WITH THE LOCAL A.H.J., BUILDING MANAGER AND INSURANCE COMPANY.
11. ARRANGE PIPING TO FACILITATE FLUSHING. PROVIDE READILY ACCESSIBLE DRAIN AND FLUSHING CONNECTIONS AS REQUIRED BY NFPA 13. PROVIDE AND INSTALL AUXILIARY DRAINS WITH PROVISIONS FOR COMPLETE DRAINAGE. PIPE ALL DRAINS TO AN APPROVED LOCATION.
12. INSPECTOR'S TEST CONNECTIONS, DRAIN VALVES AND CONTROL VALVES SHALL BE READILY ACCESSIBLE AND INSTALLED NOT OVER +/-7'-0" ABOVE THE FINISHED FLOOR. PROVIDE ALL VALVES WITH IDENTIFICATION SIGNS. SUPERVISORY SWITCHES SHALL BE ON ALL CONTROL VALVES. PIPE ALL DRAIN PIPING, INSPECTORS TEST CONNECTIONS, ETC. TO THE EXTERIOR. ENSURE DRAINAGE DOES NOT CAUSE DAMAGE TO BUILDING OR SITE.
13. INSTALL A PRESSURE GAUGE WITH A BLEEDER MAINTENANCE VALVE AT THE TOP OF ALL RISERS.
14. PROVIDE A HEAD GUARD ON SPRINKLERS IN AREAS SUBJECT TO MECHANICAL DAMAGE (I.E. SPRINKLERS IN: MECHANICAL ROOMS, ETC.)
15. REFER TO ADDITIONAL NOTES ON ARCHITECTURAL DRAWINGS.
16. THE CONTRACTOR SHALL COORDINATE SPRINKLER WORK WITH THE OWNER'S PHASING SCHEDULE PRIOR TO COMMENCEMENT OF ANY WORK. ALL PHASED SECTIONS OF WORK SHALL COMPLY WITH THE OWNERS SCHEDULE AND BE TESTED, INSPECTED, READY FOR OPERATION IN ACCORDANCE WITH NFPA, OWNERS INSURANCE COMPANY AND A.H.J. REQUIREMENTS.
17. THE CONTRACTOR SHALL PROVIDE COMPLETE SIGNED AND SEALED (BY LICENSED P.E.) DRAWINGS INDICATING ALL PIPING AND SPRINKLER HEADS. CONTRACTOR SHALL SECURE AND PAY COSTS OF PERMITS, CERTIFICATES, LICENSES, INSPECTIONS AND APPROVALS.
18. INSTALL SPRINKLERS BELOW DUCTS, AND/OR COMBINATIONS OF DUCTS/EQUIPMENT IN ACCORDANCE WITH THE OBSTRUCTION REQUIREMENTS OF NFPA 13.
19. PROVIDE SPRINKLER PROTECTION IN ORDER TO AVOID ALL OBSTRUCTIONS IN ACCORDANCE WITH NFPA 13, INCLUDING: LIGHTING, CEILING FIXTURES, STRUCTURAL MEMBERS, ETC. WITHIN ALL HAZARD OCCUPANCIES.
20. ALL DRAIN PIPING AND ANY PIPING SUBJECT TO ALTERNATE WETTING AND DRYING SHALL BE GALVANIZED.
21. ALL SYSTEM COMPONENTS SHALL BE CAPABLE OF WITHSTANDING A MINIMUM WORKING PRESSURE OF 175 PSI.
22. THE CONTRACTOR SHALL SEAL AROUND ALL NEW PENETRATIONS THROUGHOUT THE BUILDING WITH SEALANT OF FIRE AND/OR SMOKE RETARDANT TYPE EQUAL IN FIRE RATING TO THE STRUCTURE BEING PENETRATED. SEALANT SHALL BE A UL LISTED ASSEMBLY.
23. WORK OF THIS SECTION SHALL BE GOVERNED BY THE CONTRACT DOCUMENTS. PROVIDE MATERIALS, LABOR, EQUIPMENT AND SERVICES NECESSARY TO FURNISH, DELIVER AND INSTALL ALL WORK AS SPECIFIED AND AS REQUIRED BY JOB CONDITIONS. WHERE A CONFLICT EXISTS BETWEEN THESE NOTES, THE DRAWINGS AND THE SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL APPLY.
24. PERFORM THE WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT GENERAL CONDITIONS AND WITH THE PROVISIONS OF ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND LAWS.
25. WORK SHALL INCLUDE ALL INCIDENTALS, LABOR, MATERIAL, EQUIPMENT, APPLIANCES, SERVICES, HOISTING, SCAFFOLDING, SUPPORTS, TOOLS, CONSUMABLE ITEMS, FEES, LICENSES, AND ADMINISTRATIVE TASKS REQUIRED TO COMPLETE AND MAKE OPERABLE WORK SHOWN ON THE DRAWINGS, SPECIFIED HEREIN AND AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
26. STORE MATERIALS INSIDE AND PROTECTED FROM DEBRIS, WEATHER AND MOISTURE.
27. THIS CONTRACTOR SHALL PROVIDE AND INSTALL ALL POWER AND CONTROL WIRING REQUIRED FOR EQUIPMENT OPERATION NOT SPECIFICALLY PROVIDED BY OTHERS BUT REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. THIS CONTRACTOR SHALL PROVIDE MOTOR STARTERS FOR INSTALLATION BY OTHERS. COORDINATE REQUIREMENTS.
28. ALTERATION WORK AND DEMOLITION.
29. EXISTING PIPING AND SPRINKLERS SHOWN DO NOT NECESSARILY REFLECT EXACT FIELD CONDITIONS. FIELD VERIFY EXTENT AND LOCATION OF WORK TO BE REMOVED.
30. ALL EQUIPMENT, PIPING, ETC. TO BE REMOVED, SHALL BE DISPOSED OF, TURNED OVER TO THE OWNER, OR SALVAGED AS DIRECTED BY THE OWNER. EQUIPMENT, PIPING, DEVICES, ETC. SHALL NOT BE REMOVED FROM THE PREMISES WITHOUT THE OWNER'S APPROVAL.
31. NO EXISTING PIPE MAY BE CUT OR DAMAGED WHEN ENCOUNTERED ALONG THE ROUTE DESIGNED FOR NEW SERVICE. ANY EXISTING PIPING SEVERED OR DAMAGED SHALL BE REPLACED INCLUDING DAMAGED AREAS. ANY UNUSED OUTLETS SHALL BE PROPERLY CAPPED.
32. UPON COMPLETION OF REMOVALS AND MODIFICATIONS, ALL PIPING TO REMAIN SHALL BE PROPERLY PLUGGED, VALVED, CAPPED AND/OR BY PASSED SUCH THAT UPON COMPLETION OF WORK ALL SYSTEMS TO REMAIN, REMAIN OPERATIONAL.
33. REMOVE & REPLACE ANY EXISTING SPRINKLER PIPING WHICH DOES NOT PASS THE REQUIRED HYDROSTATIC PRESSURE TESTS CONDUCT VISUAL INTERNAL INSPECTIONS ON AT LEAST 5% OF ANY EXISTING PIPING TO REMAIN.
34. NO DEAD ENDS SHALL BE LEFT ON ANY PIPING SYSTEMS UPON COMPLETION OF WORK.
35. EXISTING EXPOSED PIPING SYSTEMS NOT TO BE REUSED, AND NOT SPECIFICALLY NOTED FOR.
36. REMOVAL SHALL BE COMPLETELY REMOVED.
37. ALL SYSTEMS SHALL BE LEFT IN WORKING ORDER TO THE SATISFACTION OF THE OWNER UPON COMPLETION OF ALL NEW WORK.
38. ALL EXISTING EXPOSED, UNNECESSARY PIPING RELATED TO NEW WORK SHALL BE COMPLETELY REMOVED.
39. RE-ROUTE OR REMOVE ALL EXISTING PIPING AND SYSTEMS WHERE NECESSARY TO AVOID NEW EQUIPMENT, STRUCTURAL, OR MASONRY WORK AS REQUIRED BY THE PROPOSED ALTERATIONS.

<u>COORDINATION DRAWINGS</u>

1. DEVELOP AND SUBMIT COORDINATION DRAWINGS AS OUTLINED.
2. SHEET METAL, PLUMBING AND FIRE PROTECTION SHOP DRAWINGS THAT HAVE BEEN COORDINATED WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW. DRAWINGS MUST BE RETURNED FROM ENGINEER EITHER "REVIEWED" OR "FURNISH AS CORRECTED" PRIOR TO BEING USED AS BASIS FOR COORDINATION DRAWINGS.
3. AFTER SHEET METAL AND PIPING DRAWINGS HAVE BEEN REVISED PER ENGINEERS COMMENTS, REPRODUCIBLE COPIES SHALL BE SENT TO THE TRADES IN THE FOLLOWING SEQUENCE FOR THE INCLUSION OF THEIR WORK:

   -MECHANICAL SHEET METAL
   -PLUMBING PIPING
   -MECHANICAL PIPING
   -SPRINKLER PIPING
   -ELECTRICAL WORK
4. AFTER ALL TRADES HAVE INCLUDED THEIR WORK ON THE COORDINATION DRAWING AND NOTED CONFLICTS, ALL TRADES SHALL MEET TO RESOLVE CONFLICTS AND AGREE TO ACCEPTABLE SOLUTIONS. EACH TRADE SHALL SIGN COORDINATION DRAWINGS. ITEMS NOT SHOWN ON COORDINATION DRAWING IS RESPONSIBILITY OF OMITTING CONTRACTOR AND CONTRACTOR IS SUBJECT TO ADDITIONAL COSTS INCURRED BY OTHER TRADES.
5. THE ARCHITECT AND ENGINEER ARE NOT PART OF THE COORDINATION DRAWING PROCESS. THE ENGINEER WILL PROVIDE ASSISTANCE FOR NOTED CONFLICTS ONLY. COORDINATION DRAWINGS ARE NOT TO BE CONSIDERED PIPING OR DUCT SHOP DRAWINGS. THE CONTRACTOR IS REQUIRED TO SUBMIT INDIVIDUAL PIPING AND DUCTWORK SHOP DRAWINGS FOR REVIEW BY THE ENGINEER. PIPING AND DUCTWORK SHOP DRAWINGS SHALL FOLLOW THE DESIGN INTENT OF THE CONTRACT DOCUMENTS.
6. SUBMIT FINAL SIGNED COORDINATION DRAWING TO ENGINEER FOR REVIEW. ENGINEER WILL REVIEW COORDINATION DRAWINGS FOR GENERAL ARRANGEMENT AND FOR NOTED CONFLICTS ONLY. SPECIFIC INSTALLATION REQUIREMENTS WILL BE REVIEWED ONLY IN INDIVIDUAL TRADE SHOP DRAWINGS.
7. WHERE CONFLICTS OCCUR BETWEEN DRAWINGS AND SPECIFICATIONS, OR WITHIN EITHER DOCUMENT, THE CONTRACTOR SHALL ASK FOR AND OBTAIN A WRITTEN CLARIFICATION FROM THE ENGINEER PRIOR TO SUBMITTING HIS BID. OTHERWISE, THE ITEMS OR ARRANGEMENTS OF SUPERIOR QUALITY, GREATER QUANTITY OR HIGHER COST SHALL PREVAIL AND BE INCLUDED IN THE CONTRACT PRICE.
8. ANY WORK FABRICATED OR INSTALLED PRIOR TO SIGN OFF BY ALL TRADES WHICH IS DEEMED TO BE IN CONFLICT WITH COORDINATION DRAWINGS SHALL BE REMOVED AND RE-INSTALLED IN CONFORMANCE WITH COORDINATION DRAWINGS.
9. EACH CONTRACTOR (MENTIONED ABOVE) IS RESPONSIBLE FOR THE COORDINATION OF HIS SUB-CONTRACTORS.
10. THE OVERALL COORDINATION OF THE COORDINATION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER IS NOT RESPONSIBLE FOR THE COORDINATION PROCESS. THE ENGINEER WILL RESPOND TO QUESTIONS THAT ARISE FROM THE COORDINATION PROCESS. DRAWINGS SUBMITTED WILL BE REVIEWED FOR CLEARLY IDENTIFIED CONFLICTS ONLY. SOLUTIONS TO CONFLICTS WILL NOT BEAR ADDITIONAL COST.

<u>AS BUILT DRAWINGS</u>

1. PROVIDE A COMPLETE SET OF AS-BUILT DRAWINGS REFLECTING AS INSTALLED CONDITIONS. AS-BUILT DRAWINGS SHALL INDICATE ALL INSTALLED CONDITIONS OF SYSTEMS WITHIN THIS DISCIPLINE. DRAWINGS SHALL BE OF SIMILAR SCALE AS THE CONSTRUCTION DOCUMENTS AND INCLUDE DETAILS AS NECESSARY TO CLEARLY REFLECT THE INSTALLED CONDITION. DRAWINGS SHALL BE BOUND IN A COMPLETE AND CONSECUTIVE SET. SUPPLEMENTAL SKETCHES AND LOOSE PAPERWORK WILL NOT BE ACCEPTABLE AND WILL BE RETURNED FOR REVISION. THE CONTRACTOR SHALL COMPLY WITH THE ENGINEERS COMMENTS TO PRODUCE A CLEAR AND CONCISE SET OF DRAWINGS. DRAWINGS SHALL BE SUBMITTED IN BOTH HARD COPY AND ELECTRONIC (AUTO-CAD AND/ VERSION AS REQUIRED BY THE OWNER) VERSION. NUMBER OF COPIES OF EACH AS REQUESTED BY THE OWNER.
2. INCLUDE ALL CHANGES OF ALL DEVIATIONS BETWEEN THE WORK INDICATED AND THE WORK INSTALLED INCLUDING APPROVED CONTRACT MODIFICATIONS AND SUBSTITUTIONS.
3. INDICATE VALVES AND CONTROL DEVICES LOCATED AND NUMBERED COORDINATED WITH SUBMITTED VALVE CHARTS.
4. SUBMIT A COMPLETE MAINTENANCE MANUAL OF ALL EQUIPMENT INSTALLED UNDER THIS CONTRACT.
5. PROVIDE AND INSTALL ACCESS DOORS FOR EACH VALVE, DRAIN, OR FIRE PROTECTION DEVICE REQUIRING ACCESS. ACCESS DOORS SHALL BE RIGID CONSTRUCTION WITH TWO HINGES AND A LATCH. IN PLENUM CEILINGS, PROVIDE FELT BETWEEN THE DOOR AND FRAME TO MAKE AN AIR TIGHT SEAL. ACCESS DOORS SHALL BE RATED TO THE SAME OR GREATER RATING OF THE PARTITION IN WHICH THEY ARE INSTALLED. ACCESS DOORS SHALL BE FLUSH MOUNTED, PRIME COATED WITH RUST INHIBITIVE PAINT, CONCEALED FRAME, FLUSH SCREW DRIVER OPERATED LOCKS WITH METAL CAMS AND ANCHORS AS REQUIRED.
6. ACCESS DOOR SIZES SHALL BE:
   12" X 12" AT EASILY ACCESSIBLE ITEMS
   16" X 16" WHERE PARTIAL BODY ACCESS IS REQUIRED
   24" X 24" WHERE FULL BODY ACCESS IS REQUIRED

<u>HOUSEKEEPING PADS</u>

1. PROVIDE CONCRETE HOUSEKEEPING PADS FOR FLOOR-MOUNTED EQUIPMENT. COORDINATE EXACT LOCATIONS, DIMENSIONS, PIPING LOCATIONS, AND ANCHOR BOLT REQUIREMENTS. PROVIDE CONCRETE HOUSEKEEPING PADS UNDER ALL FLOOR MOUNTED EQUIPMENT. PADS SHALL BE CONSTRUCTED OF 3,000 PSI CONCRETE. PADS SHALL BE 4 INCHES HIGH, AND 4 INCHES WIDER THAN THE EQUIPMENT IN BOTH DIRECTIONS.

<u>HANGERS AND SUPPORT</u>

1. SPRINKLER PIPING IN A SUBSTANTIAL MANNER FROM BUILDING STRUCTURE, AND INDEPENDENT OF THE CEILING SYSTEM. PROVIDE EARTHQUAKE/SEISMIC BRACING IN ACCORDANCE WITH NFPA 13 AND THE LOCAL CODE. DO NOT USE SPRINKLER PIPING OR HANGERS TO SUPPORT NON-SYSTEM COMPONENTS.
2. SEISMIC RESTRAINT: PROVIDE SEISMIC RESTRAINT AND EXPANSION OF ALL FIRE PROTECTION EQUIPMENT AND SYSTEMS IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS, OWNERS INSURANCE COMPANY, STATE, FEDERAL AND LOCAL BUILDING CODE REQUIREMENTS. SUBMIT SHOP DRAWINGS SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT INDICATING ALL NECESSARY COMPONENT CUTS, PLAN LOCATIONS AND CALCULATIONS FOR A COMPLETE SYSTEM.
3. PROVIDE ALL NECESSARY STRUCTURAL MEMBERS INCLUDING ADDITIONAL STRUCTURAL SUPPORT TO SUPPORT PIPING AND EQUIPMENT. HANGERS AND SUPPORTS SHALL BE OF AN APPROVED DESIGN NECESSARY TO SUPPORT PIPING, EQUIPMENT AND TO KEEP PIPING IN PROPER ALIGNMENT AND PREVENT TRANSMISSION OF INJURIOUS THRUSTS AND VIBRATIONS. IN ALL CASES WHERE HANGERS, BRACKETS, ETC., ARE SUPPORTED FROM CONCRETE CONSTRUCTION, DO NOT WEAKEN CONCRETE OR PENETRATE WATERPROOFING. ALL HANGERS AND SUPPORTS SHALL BE CAPABLE OF SCREW ADJUSTMENT AFTER PIPING IS ERECTED. HANGERS SUPPORTING PIPING EXPANDING INTO LOOPS, BENDS AND OFFSETS SHALL BE SECURED TO THE BUILDING STRUCTURE IN SUCH A MANNER THAT HORIZONTAL ADJUSTMENT PERPENDICULAR TO THE RUN OF PIPING SUPPORTED MAY BE MADE TO ACCOMMODATE DISPLACEMENT DUE TO EXPANSION. ALL SUCH HANGERS SHALL BE FINALLY ADJUSTED BOTH IN THE VERTICAL AND HORIZONTAL DIRECTION, AS REQUIRED.
4. PROVIDE ADDITIONAL SUPPORT FOR PIPING AND EQUIPMENT WHEN DECK IS NOT CAPABLE OF SUPPORT.
5. BEAM CLAMPS - HANGERS SUPPORTED FROM STEEL SHALL BE CENTER LOADING BEAM CLAMPS FOR HANGERS SUPPORTING PIPING 2 INCHES. FOR PIPING 2-1/2 INCHES AND LARGER, I BEAM CLAMPS SHALL BE FORGED STEEL. "C" CLAMPS ARE PERMITTED ONLY WHEN PROVIDED WITH RESTRAINING STRAP. BAR JOIST HANGERS SHOULD BE UTILIZED WHEN HANGING FROM BAR JOIST CONSTRUCTION.
6. ALL HANGERS AND SUPPORTS SHALL BE HOT DIPPED GALVANIZED. ALL THREADED ROD AND HARDWARE SHALL BE HOT DIPPED GALVANIZED.
7. PROVIDE AND INSTALL EXPANSION COMPENSATION FOR ALL PIPING. SUBMIT PLANS, CALCULATIONS AND EQUIPMENT DATA.

## FIRE PROTECTION SYMBOL LEGEND (NOT ALL MAY BE USED)

| SYMBOL | DESCRIPTION |
|---|---|
| | BALL VALVE |
| | CHECK VALVE |
| | GATE VAVLE |
| | REDUCED PRESSURE BACKFLOW PREVENTER |
| | HYDRANT |
| | PRESSURE GUAGE |
| | ALARM BELL |
| | FIRE DEPARTMENT CONNECTION (FDC) |
| | REDUCED PRESSURE DETECTOR ASSEMBLY |
| | OSY VALVE |
| | POINT OF NEW CONNECTION |
| | POINT OF DISCONNECTION |
| AF | ANTIFREEZE CHARGING LOOP |
| SEJ | SEISMIC EXPANSION JOINT |
| | TEST AND DRAIN VALVE |
| FS | FLOW SWITCH |
| PS | PRESSURE SWITCH |
| TS | TAMPER SWITCH |
| | PIPE DOWN |
| | PIPE UP |
| | CAPPED PIPE |
| | PIPE OR EQUIPMENT TO BE DEMOLISHED |

## SPRINKLER SYMBOL LEGEND (NOT ALL MAY BE USED)

| EXISTING | NEW | DESCRIPTION |
|---|---|---|
| | | UPRIGHT |
| | | PENDENT |
| | | PENDENT - SEMI RECESSED |
| | | PENDENT - RECESSED |
| | | PENDENT - CONCEALED |
| | | DRY PENDENT |
| | | DRY PENDENT - SEMI RECESSED |
| | | DRY PENDENT - RECESSED |
| | | DRY PENDENT - CONCEALED |
| | | SIDEWALL |
| D | D | DRY SIDEWALL |
| | | EXPOSED UPRIGHT OFF 1" SPRIG-UP FED FROM HEAD BELOW |

## FIRE PROTECTION PIPING SYSTEM LEGEND (NOT ALL MAY BE USED)

| EXISTING | NEW | DESCRIPTION |
|---|---|---|
| SP | SP | UNDERGROUND PIPING MAIN |
| FDC | FDC | UNDERGROUND FIRE DEPARTMENT CONNECTION |
| T/D | T/D | TEST / DRAIN |
| T | T | TEST |
| STP | STP | STAND PIPE |
| | | SPRINKLER |
| PA | PA | PRE ACTION |
| SP | SP | WET SPRINKLER |
| FDC | FDC | FIRE DEPARTMENT CONNECTION |
| | | EQUIPMENT |
| DRY | DRY | DRY PIPE |
| DR | DR | DRAIN |
| AF | AF | ANTIFREEZE |

## FIRE PROTECTION DEMOLITION NOTES

1. <u>ALL DRAWINGS, SPECIFICATIONS, EQUIPMENT, ETC. SHALL BE SUBMITTED AND REVIEWED BY THE FIRE MARSHAL AND OWNER'S INSURANCE COMPANY PRIOR TO INSTALLATION. CONTRACTOR SHALL INCORPORATE ALL COMMENTS INTO PROJECT AT NO ADDITIONAL COST</u>
2. NOTIFY PROPER AUTHORITIES (INCLUDING BUT NOT LIMITED TO: THE LOCAL A.H.J., INSURANCE COMPANY, ETC.) OF ANY FIRE PROTECTION "SHUT DOWNS". SCHEDULE ALL WORK TO MINIMIZE THE LENGTH OF TIME THAT THE FIRE PROTECTION SYSTEM(S) WILL BE OUT OF SERVICE. RETURN THE SPRINKLER SYSTEM BACK IN SERVICE AT THE END OF EACH WORKING DAY.
3. THIS JOB IS A RENOVATION OF EXISTING FACILITY.
4. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY ASSUMPTIONS, OMISSIONS, OR ERRORS HE MAKES AS A RESULT OF HIS FAILURE TO BECOME FULLY FAMILIAR WITH EXISTING CONDITIONS.
5. THE SPRINKLER CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL EXISTING SPRINKLER PIPING, HANGERS, HEADS, ETC. AS INDICATED (VERIFY IN FIELD) CAP ANY UNUSED OUTLETS.
6. THE CONTRACTOR SHALL PROPERLY CAP AND TERMINATE ANY UNUSED DRAIN AND FIRE PROTECTION WATER SUPPLIES (IN ACCORDANCE WITH THE FACILITIES STANDARDS AND LOCAL WATER AUTHORITY REQUIREMENTS).

## FIRE PROTECTION DRAWING LIST


| | |
|---|---|
| FP001 | FP GENERAL NOTES, ABBREVIATIONS, AND LEGENDS |
| FP010 | FP FIRST FLOOR DEMO PLAN |
| FP110 | FP FIRST FLOOR PLAN |
| FP500 | FP DETAILS |


## PLUMBING ABBREVIATIONS (NOT ALL ARE USED)

| | |
|---|---|
| ACV | ALARM CHECK VALVE |
| A.F.F. | ABOVE FINISHED FLOOR |
| A.F.G. | ABOVE FINISHED GRADE |
| B.F.F. | BELOW FINISHED FLOOR |
| BFP | BACKFLOW PREVENTER |
| BIV | BUTTERFLY INDICATING VALVE |
| BLDG | BUILDING |
| C.E. | CIVIL ENGINEER |
| CONT | CONTINUED |
| CV | CHECK VALVE |
| DIA. OR Ø | DIAMETER |
| DIP. | DUCTILE IRON PIPE |
| DN | DOWN |
| DWG | DRAWING |
| EA | EACH |
| E.C. | ELECTRICAL CONTRACTOR |
| EX. | EXISTING |
| FCV | FLOOR CONTROL VALVE |
| F.F. | FINISHED FLOOR |
| F.F.E. | FINISHED FLOOR ELEVATION |
| FLR. | FLOOR |
| F.P.C. | FIRE PROTECTION CONTRACTOR |
| FT | FEET |
| G.C. | GENERAL CONTRACTOR |
| GPM | GALLONS PER MINUTE |
| MAX. | MAXIMUM |
| M.C. | MECHANICAL CONTRACTOR |
| MIN. | MINIMUM |
| MISC. | MISCELLANEOUS |
| NC | NORMALLY CLOSED |
| NFPA | NATIONAL FIRE PROTECTION ASSOCIATION |
| N.I.C. | NOT IN CONTRACT |
| NO | NORMALLY OPEN |
| NTS | NOT TO SCALE |
| OSY | OUTSIDE SCREW AND YOKE |
| P.C. | PLUMBING CONTRACTOR |
| PIV | POST INDICATING VALVE |
| PSI | POUNDS PER SQUARE INCH |
| RAD. | RADIUS |
| RPBFP | REDUCED PRESSURE BACKFLOW PREVENTER |
| S.C. | SITE CONTRACTOR |
| SF | SQUARE FEET |
| SS | SANITARY SEWER STACK |
| TB | THRUST BLOCK |
| TYP. | TYPICAL |
| U.O.N. | UNLESS OTHERWISE NOTED |
| V.I.F. | VERIFY IN FIELD |

## FIRE PROTECTION PIPE SCH. DESIGN CRITERIA

WORK STARTS AT AREAS INDICATED, INCLUDING BUT NOT LIMITED TO REMOVAL OF: EXISTING SPRINKLER PIPING, HEADS, HANGERS ETC. AND INSTALLATION OF NEW SPRINKLER HEADS, SPRINKLER PIPING, OFFSETS, ETC. AS NECESSARY TO PROVIDE COMPLETE SPRINKLER PROTECTION IN THE RENOVATED AREAS.

THE DESIGN OF ALL FIRE SUPPRESSION SYSTEMS WILL BE IN ACCORDANCE WITH THE 2005 STATE OF CONNECTICUT BUILDING & FIRE CODE, LOCAL CODE AND THE <u>OWNER'S INSURANCE COMPANY REQUIREMENTS</u>. USE ONLY UL/FM APPROVED SPRINKLERS, MATERIALS AND DEVICES, UNO.

WORK SHALL ALSO INCLUDE PROVIDING PIPING, FITTINGS, ETC. AS NECESSARY TO SUPPLY EXISTING, ADJACENT SPRINKLERS OUTSIDE OF RENOVATED AREA

CONTRACTOR RESPONSIBLE FOR DOCUMENTING SIZE AND LENGTH OF EXISTING WATER SUPPLY INCLUDING SIZE OF ANY EXISTING FIRE PUMP ETC. AS NECESSARY IN ORDER TO SUBMIT A COMPLETE DESIGN

THE CONTRACTOR SHALL PROVIDE SPRINKLER COVERAGE OF ALL SPACES FORMED OF CONCEALED COMBUSTIBLE CONSTRUCTION.

THE CONTRACTOR SHALL COMPLY WITH THE OWNERS INSURANCE INSTALLATION DETAILS, DESIGN CRITERIA, AND PLAN APPROVAL SUBMISSION (INCLUDING COMMENTS). ANY DEVIATIONS AS A RESULT OF THE OWNERS INSURANCE COMPANIES REQUIREMENTS SHALL BE PROVIDED AT NO ADDITIONAL COST.

USE OF LINE SPACING OFF WALL IN EXCESS OF 7'-6", ETC (AS NOTED IN NFPA 13) IS NOT PERMITTED.

CONTRACTOR TO SUBMIT UNIT COST PER SPRINKLER HEAD INSTALLED AND OPERATIONAL WITH BID IN ACCORDANCE WITH THE GENERAL CONDITIONS (INCLUDING: PIPING, FITTINGS, HANGERS, SPRINKLER HEAD, LABOR, ETC.).

<u>PIPE SCHEDULE DESIGN CRITERIA</u>
<u>AS REQUIRED. CONTRACTOR SHALL SUBMIT PLANS TO OWNER'S INSURANCE COMPANY INCLUDING: PLANS, EQUIPMENT, ETC. TO FACTORY MUTUAL FOR REVIEW/COMMENTS. COMPLY WITH ALL INSURANCE COMPANY REQUIREMENTS</u>

CONTRACTOR TO SUBMIT UNIT COST PER SPRINKLER HEAD (INCLUDING: PIPING, FITTINGS, HANGERS, SPRINKLER HEAD, LABOR, ETC.) INSTALLED AND OPERATIONAL WITH BID IN ACCORDANCE WITH THE GENERAL CONDITIONS.

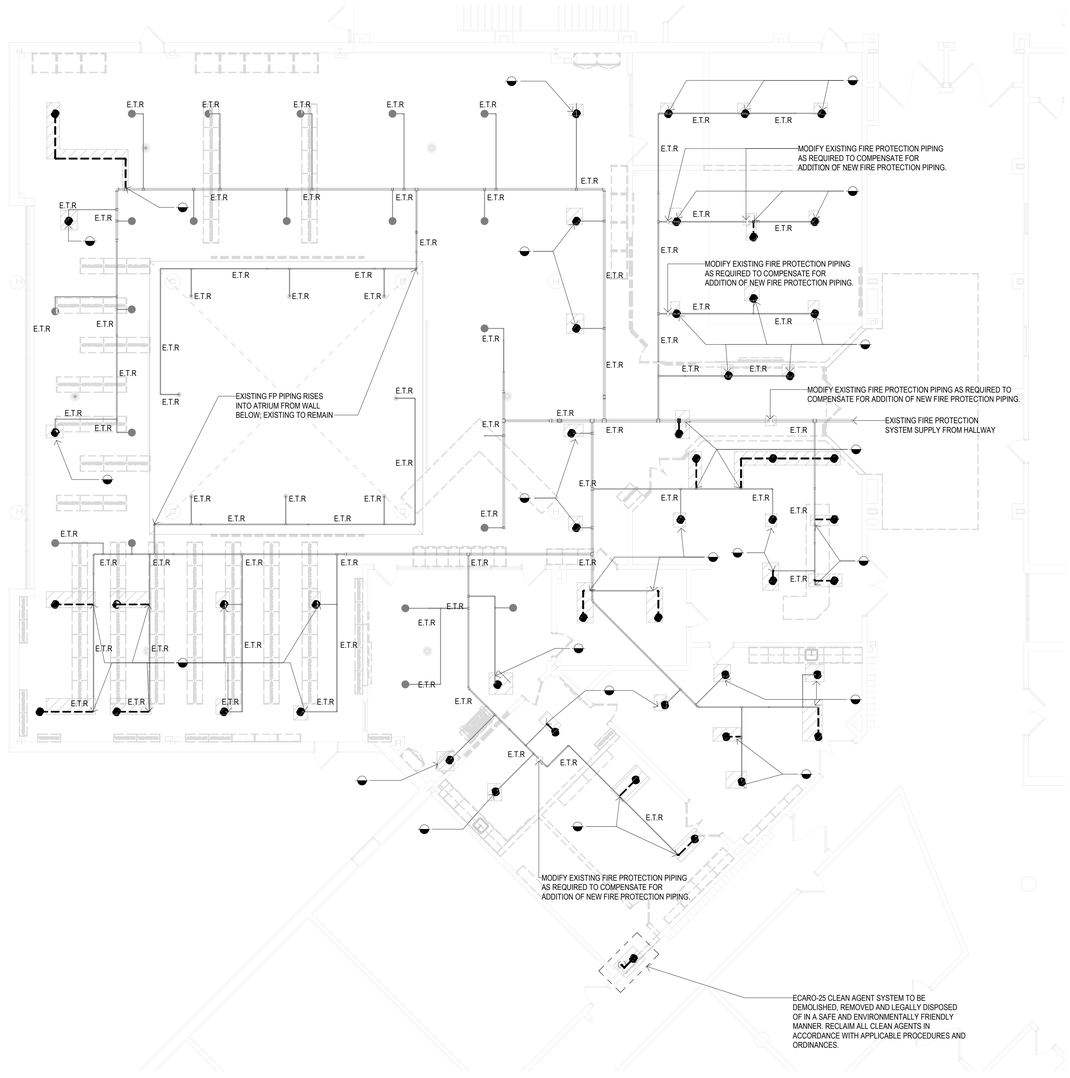
DESIGN CRITERIA FOR PIPE SCHEDULE SYSTEMS:

<u>LIGHT HAZARD AREAS:</u>
OFFICES, HALLWAYS, LOBBYS,ETC. MAXIMUM COVERAGE PER SPRINKLER HEAD IS 196 SQ.FT.

<u>ORDINARY HAZARD (GROUP I) AREAS:</u>
MECHANICAL ROOMS, ELECTRICAL ROOMS, ETC. MAXIMUM COVERAGE PER SPRINKLER HEAD IS 130 SQ.FT.

<u>ORDINARY HAZARD (GROUP II) AREAS:</u>
STORAGE ROOMS MAXIMUM COVERAGE PER SPRINKLER HEAD IS 130 SQ.FT.

ALL FIRE PROTECTION EQUIPMENT SHALL BE FM APPROVED AND UL LISTED.




1 EXISTING FP FIRST FLOOR PLAN

1/8" = 1'-0"

**GENERAL NOTE:**

ALL EXISTING FIRE PROTECTION PIPE ROUTING AND LOCATIONS ARE APPROXIMATION. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL CONDITIONS IN FIELD.

**DEMOLITION NOTE:**

REMOVAL OF APPROXIMATELY 39 SPRINKLER HEADS; ASSOCIATED PIPING AS INDICATED IS TO BE DEMOLISHED AND REMOVED UP TO NEAREST JOINT OR THREADED CONNECTION. MAIN FIRE PROTECTION PIPING IS EXISTING TO REMAIN, ONLY FIRE PROTECTION BRANCH PIPING ASSOCIATED WITH DEMOLITION OF EXISTING SPRINKLER HEADS SHALL BE MODIFIED. ALL FIRE PROTECTION EQUIPMENT AND PIPING OUTSIDE OF SELECTED AREA IS EXISTING TO REMAIN AND SHALL BE UNAFFECTED BY SCOPE OF WORK.

## FIRE PROTECTION DEMOLITION LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | EXISTING PIPING OR EQUIPMENT TO BE REMOVED |
| | EXISTING EQUIPMENT OR PIPE TO REMAIN |

PROJECT TITLE:
INTERIOR RENOVATION AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE:
FP FIRST FLOOR DEMO PLAN

PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026

STATE PROJECT NUMBER:
205-0046 A

DATE:
11/07/2025

SCALE:
As indicated

DRAWN BY:
TH

PROJECT NUMBER:
23.195

DRAWING NUMBER:
FP010

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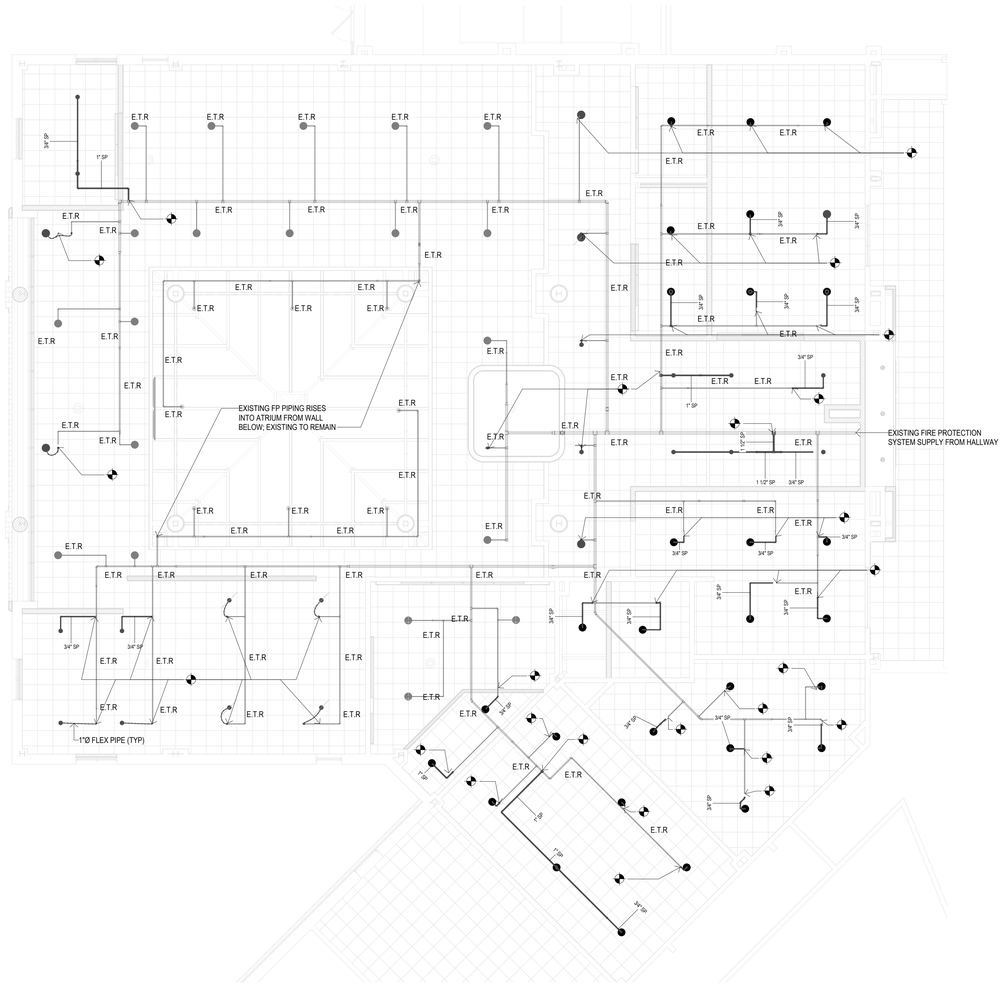


**GENERAL NOTE:**

ALL EXISTING FIRE PROTECTION PIPE ROUTING AND LOCATIONS ARE APPROXIMATION. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL CONDITIONS IN FIELD. CONTRACTOR TO COORDINATE NEW AND EXISTING FIRE PROTECTION PIPE ROUTING WITH ALL ASSOCIATED TRADES.

**NEW WORK NOTE:**

ALL FIRE PROTECTION EQUIPMENT AND PIPING OUTSIDE OF SELECTED AREA IS EXISTING TO REMAIN AND SHALL BE UNAFFECTED BY SCOPE OF WORK. CONTRACTOR TO INSTALL NEW FIRE PROTECTION SPRINKLER HEADS CENTERED AND SQUARE WITH THE NEAREST CEILING GRID TILE. EXISTING TO REMAIN SPRINKLER HEADS AND ASSOCIATED PIPING SHALL BE CENTERED TO CEILING GRID WITHIN CONSTRAINTS OF THE EXISTING PIPE ROUTING; EXISTING SPRINKLER HEADS THAT LINE UP IN PLACE OF CEILING GRID HANGERS SHALL BE RELOCATED BY EXTENDED A PIECE OF FLEX PIPE TO THE NEAREST CENTER OF THE NEW CEILING GRID.

PROJECT TITLE:
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AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

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3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE:
FP FIRST FLOOR PLAN

PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026

STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: 1/8" = 1'-0"
DRAWN BY: T. HACKETT
PROJECT NUMBER: 23.195

DRAWING NUMBER:
FP110

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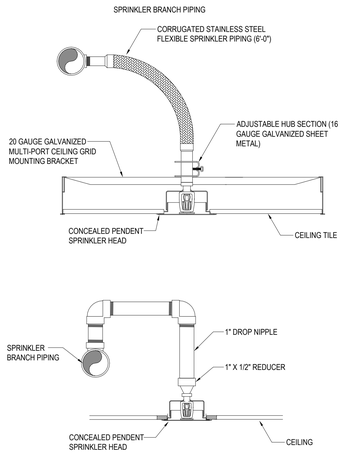
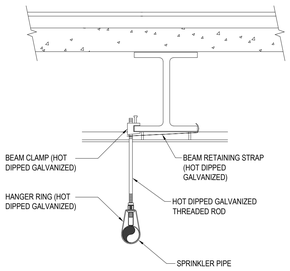



CONTRACTOR SHALL PROVIDE ALL PIPING, FITTINGS, HANGERS, ETC... AS REQUIRED TO PROVIDE A COMPLETE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13

CONTRACTOR SHALL UTILIZE CONCEALED PENDENT SPRINKLERS AND PIPING IN AREAS WITH FINISHED CEILINGS, AND EXPOSED PIPING AND UPRIGHT SPRINKLERS IN AREAS WITHOUT CEILINGS. PROVIDE AND INSTALL SPRINKLERS UNDER AND ABOVE ALL OBSTRUCTIONS IN ACCORDANCE WITH NFPA 13.

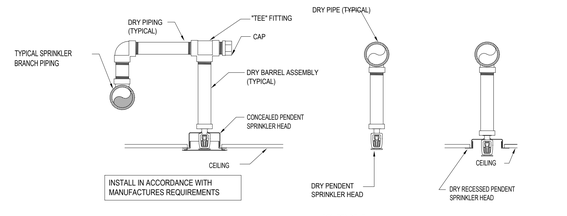
## CONCEALED PENDENT SPRINKLER HEAD DETAILS

NOT TO SCALE



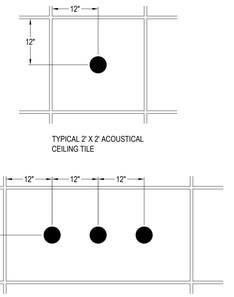

## PIPE HANGER TO BEAM DETAIL

NOT TO SCALE




## TYPICAL DRY BARREL SPRINKLER HEAD

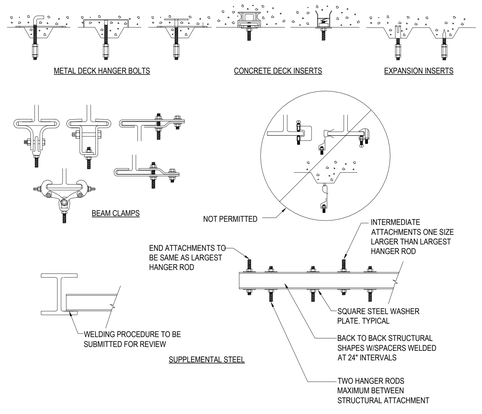
NOT TO SCALE




LOCATION OF SPRINKLER HEADS IN GRID SHALL CONFORM TO ONE OF THE LOCATION INDICATED, EXCEPT WHERE SPECIFICALLY DIMENSIONED ON PLANS

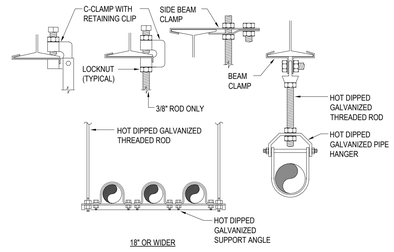
## SUSPENDED CEILING SPRINKLER HEAD LOCATION DETAIL

NOT TO SCALE




## PIPE HANGER ATTACHMENT DETAIL

NOT TO SCALE




| PIPE SIZE | MAX SPACING STEEL PIPE EXCEPT THREADED LIGHTWALL | MAX SPACING STEEL PIPE THREADED LIGHTWALL |
|---|---|---|
| 1", 1-/4" | 12'-0" | 12'-0" |
| 1-1/2", 2", 2-1/2", 3" | 15'-0" | 12'-0" |
| 4", 6", 8" | 15'-0" | N/A |
| INSTALL HANGERS IN ACCORDANCE WITH NFPA 13 AND STRUCTURAL REQUIRMENTS | | |

## PIPE SUPPORT DETAIL

NOT TO SCALE

PROJECT TITLE:

INTERIOR RENOVATION AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

| REVISION: | DESCRIPTION: | DATE: | REVISED BY: |
|---|---|---|---|

DRAWING TITLE:
FP DETAILS

PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026

STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE:
DRAWN BY: TH
PROJECT NUMBER: 23.195

DRAWING NUMBER:
FP500

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# PLUMBING GENERAL NOTES

GENERAL

1. THE INTENT OF THESE CONTRACT DOCUMENTS (SPECIFICATIONS AND DRAWINGS) IS FOR THE CONTRACTOR TO FURNISH AND INSTALL COMPLETE PLUMBING SYSTEMS. ALL SYSTEMS SHALL BE COMPLETE IN ALL RESPECTS. OPERATING, TESTED, ADJUSTED, APPROVED BY THE AUTHORITIES HAVING JURISDICTION AND READY FOR BENEFICIAL USE BY THE OWNER.

2. WHEN A CONFLICT BETWEEN THE DRAWINGS, NOTES AND/OR SPECIFICATIONS OCCUR, THE MORE STRINGENT, AND/OR LARGER QUANTITY AND/OR MORE EXPENSIVE SHALL APPLY. THE REQUIREMENTS LISTED WITHIN NOTES OR SPECIFICATIONS SHALL BE REQUIRED, PROVIDED AND INSTALLED WHETHER SPECIFICALLY INDICATED ON THE DRAWINGS OR NOT.

3. ITEMS AND SERVICES NOT SHOWN ON DRAWINGS OR SPECIFICATIONS BUT REQUIRED TO RENDER THE WORK COMPLETE AND READY FOR OPERATION, SHALL BE PROVIDED WITHOUT ADDITIONAL COST.

4. WORK OF THIS SECTION SHALL BE GOVERNED BY THE CONTRACT DOCUMENTS. PROVIDE MATERIALS, LABOR, EQUIPMENT AND SERVICES NECESSARY TO FURNISH, DELIVER AND INSTALL ALL WORK AS SPECIFIED AND AS REQUIRED BY JOB CONDITIONS. WHERE A CONFLICT EXISTS BETWEEN THESE NOTES, THE DRAWINGS AND THE SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL APPLY.

5. DRAWINGS ARE DIAGRAMMATIC AND INDICATE A GENERAL ARRANGEMENT OF WORK AND ARE NOT TO BE CONSIDERED SUB-CONTRACTOR DOCUMENTS. IT IS THE INTENT OF THESE DOCUMENTS TO INCLUDE THE PROVISION AND INSTALLATION OF ALL NECESSARY WORK AND MATERIALS FOR COMPLETE, OPERATIONAL AND CODE COMPLIANT SYSTEMS BY THE CONTRACTOR. GENERAL DESIGN CONCEPTS INDICATED MUST BE FOLLOWED OR BETTERED. THE BID SHALL INCLUDE OFFSETS, ADDITIONAL PIPING, VALVES AND EQUIPMENT AND COMPONENTS AS REQUIRED TO MEET CONSTRUCTION CONDITIONS FOR PROPER OPERATION. DO NOT SCALE DRAWINGS. CONSULT ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR SPACE CONDITIONS AND ADDITIONAL REQUIREMENTS.

6. PERFORM THE WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT GENERAL CONDITIONS AND WITH THE PROVISIONS OF ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND LAWS.

7. WORK SHALL INCLUDE ALL INCIDENTALS, LABOR, MATERIAL, EQUIPMENT, APPLIANCES, SERVICES, HOISTING, SCAFFOLDING, SUPPORTS, TOOLS, CONSUMABLE ITEMS, FEES, LICENSES, AND ADMINISTRATIVE TASKS REQUIRED TO COMPLETE AND MAKE OPERABLE WORK SHOWN ON THE DRAWINGS, SPECIFIED HEREIN AND AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

8. ALL EQUIPMENT, MATERIALS AND RELATED SYSTEMS COMPONENTS SHALL BE NEW UNLESS SPECIFICALLY NOTED OTHERWISE.

9. STORE MATERIALS INSIDE AND PROTECTED FROM DEBRIS, WEATHER AND MOISTURE.

10. THIS CONTRACTOR SHALL COORDINATE ALL POWER AND CONTROL WIRING REQUIRED FOR EQUIPMENT OPERATION REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM WITH ELECTRICAL CONTRACTOR. THIS CONTRACTOR SHALL PROVIDE MOTOR STARTERS FOR INSTALLATION. COORDINATE REQUIREMENTS.

11. PROVIDE AND INSTALL ALL MAKE-UP WATER DISTRIBUTION TO HVAC EQUIPMENT INCLUDING BACKFLOW PREVENTER.

12. PROVIDE AND INSTALL INDIRECT CONDENSATE WASTE PIPING AND TRAP TO FLOOR DRAIN OR DRAIN RECEPTOR FROM ALL HVAC EQUIPMENT. PROVIDE ADDITIONAL FLOOR DRAINS WITH TRAP PRIMERS OR DRAIN RECEPTORS AS REQUIRED.

13. PLUMBING DEVICES, FAUCETS, VALVES AND FITTINGS REQUIRED FOR SPECIALTY SERVICE EQUIPMENT (IE. KITCHEN, LAB,ETC) SHALL BE PROVIDED BY THIS CONTRACTOR UNLESS OTHERWISE SPECIFIED. THIS CONTRACTOR SHALL PROVIDE AND INSTALL PIPING, CONNECTIONS, DEVICES, VALVES AND EQUIPMENT REQUIRED FOR PROPER OPERATION. COORDINATE REQUIREMENTS.

14. KITCHENS, LABS AND SIMILAR SPECIALTY AREAS: ALL EXPOSED PIPING, STOPS, COCKS, AND WASTES WHICH ARE VISIBLE SHALL BE CHROME PLATED.

15. REPAIR AND/OR REPLACE AT NO COST TO OWNER ALL EQUIPMENT AND MATERIALS DAMAGED DURING CONSTRUCTION.

ALTERATION WORK AND DEMOLITION

1. ALL EQUIPMENT, FIXTURES, PIPING, ETC. TO BE REMOVED, SHALL BE DISPOSED OF, TURNED OVER TO THE OWNER, OR SALVAGED AS DIRECTED BY THE OWNER. EQUIPMENT, FIXTURES, PIPING, DEVICES, ETC. SHALL NOT BE REMOVED FROM THE PREMISES WITHOUT THE OWNER'S APPROVAL.

2. UPON COMPLETION OF REMOVALS AND MODIFICATIONS, ALL PIPING TO REMAIN SHALL BE PROPERLY PLUGGED, VALVED, CAPPED AND/OR BY PASSED SUCH THAT UPON COMPLETION OF WORK ALL SYSTEMS TO REMAIN, REMAIN OPERATIONAL.

3. NO DEAD ENDS SHALL BE LEFT ON ANY PIPING SYSTEMS UPON COMPLETION OF WORK.

4. EXISTING EXPOSED PIPING SYSTEMS NOT TO BE REUSED, AND NOT SPECIFICALLY NOTED FOR REMOVAL SHALL BE COMPLETELY REMOVED.

5. ALL SYSTEMS SHALL BE LEFT IN WORKING ORDER TO THE SATISFACTION OF THE OWNER UPON COMPLETION OF ALL NEW WORK.

6. ALL EXISTING EXPOSED, UNNECESSARY PIPING RELATED TO NEW WORK SHALL BE COMPLETELY REMOVED.

7. RE-ROUTE OR REMOVE ALL EXISTING PIPING AND SYSTEMS WHERE NECESSARY TO AVOID NEW EQUIPMENT, STRUCTURAL, OR MASONRY WORK AS REQUIRED BY THE PROPOSED ALTERATIONS.

COORDINATION

1. THE CONTRACTOR SHALL OBTAIN AND REVIEW ALL CONTRACT DOCUMENTS, INCLUDING PROJECT MANUAL, PLANS AND SPECIFICATIONS OF ALL TRADES BEFORE SUBMITTING BID. REFER TO SPECIFICATIONS, PROJECT MANUAL AND PLANS, INCLUDING ALL EQUIPMENT SCHEDULES FOR INFORMATION. CONTRACTOR SHALL WALK THROUGH BUILDING PRIOR TO SUBMITTING BID WHEN AVAILABLE.

2. ALL OF THE CONTRACT DRAWINGS AND SPECIFICATIONS ARE COMPLIMENTARY TO FORM A TOTAL DESIGN PACKAGE. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR/CONSTRUCTION MANAGER TO DETERMINE WHICH TRADE CONTRACTOR IS RESPONSIBLE FOR VARIOUS PORTIONS OF THE WORK.

3. ALL WORK AND ACTION DEPICTED AND DESCRIBED SHALL BE PERFORMED BY THE CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE.

4. THE PLUMBING CONTRACTOR SHALL VERIFY THESE DRAWINGS WITH EXISTING FIELD CONDITIONS AND SHALL COORDINATE WITH CIVIL ENGINEER LOCATIONS AND ELEVATIONS OF PLUMBING SERVICE LINES BEFORE PROCEEDING WITH CONSTRUCTION. THE UTILITY SERVICE LINES SHOWN ON THE DRAWINGS ARE FOR REFERENCE & BUILDING PERMIT ONLY. REFER TO CIVIL ENGINEERS DRAWINGS FOR UTILITY SERVICE LINES LAY-OUT & DETAILS.

5. CONTRACTORS SHALL COORDINATE THEIR WORK WITH ALL OWNER-FURNISHED EQUIPMENT, INCLUDING REQUIRED SERVICE CONNECTIONS, RECEPTACLES, ETC. BEFORE INSTALLATION.

6. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. THE CONTRACTOR SHALL COORDINATE LOCATIONS OF EQUIPMENT WITH ALL TRADES BEFORE STARTING CONSTRUCTION. ANY MODIFICATIONS TO THE EQUIPMENT LAYOUT REQUIRED FOR INSTALLATION ARE TO BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.

7. COORDINATE ALL PIPING AND CONDUITS LEAVING THE BUILDING WITH THE SITE CONTRACTOR BEFORE INSTALLATION.

8. LOCATION AND SIZES OF ALL FLOOR, WALL AND ROOF PENETRATIONS SHALL BE COORDINATED WITH ALL OTHER TRADES INVOLVED.

9. DEVELOP AND SUBMIT COORDINATION DRAWINGS AS OUTLINED.

10. SHEET METAL, PLUMBING AND FIRE PROTECTION SHOP DRAWINGS THAT HAVE BEEN COORDINATED WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW. DRAWINGS MUST BE RETURNED FROM ENGINEER EITHER "REVIEWED" OR "FURNISH AS CORRECTED" PRIOR TO BEING USED AS BASIS FOR COORDINATION DRAWINGS.

11. AFTER SHEET METAL AND PIPING DRAWINGS HAVE BEEN REVISED PER ENGINEERS COMMENTS, REPRODUCIBLE COPIES SHALL BE SENT TO THE TRADES IN THE FOLLOWING SEQUENCE FOR THE INCLUSION OF THEIR WORK:

    -MECHANICAL SHEET METAL
    -PLUMBING PIPING
    -MECHANICAL PIPING
    -SPRINKLER PIPING
    -ELECTRICAL WORK

12. AFTER ALL TRADES HAVE INCLUDED THEIR WORK ON THE COORDINATION DRAWING AND NOTED CONFLICTS, ALL TRADES SHALL MEET TO RESOLVE CONFLICTS AND AGREE TO ACCEPTABLE SOLUTIONS. EACH TRADE SHALL SIGN COORDINATION DRAWINGS. ITEMS NOT SHOWN ON COORDINATION DRAWING IS RESPONSIBILITY OF OMITTING CONTRACTOR AND CONTRACTOR IS SUBJECT TO ADDITIONAL COSTS INCURRED BY OTHER TRADES.

13. THE ARCHITECT AND ENGINEER ARE NOT PART OF THE COORDINATION DRAWING PROCESS. THE ENGINEER WILL PROVIDE ASSISTANCE FOR NOTED CONFLICTS ONLY. COORDINATION DRAWINGS ARE NOT TO BE CONSIDERED PIPING OR DUCT SHOP DRAWINGS. THE CONTRACTOR IS REQUIRED TO SUBMIT INDIVIDUAL PIPING AND DUCTWORK SHOP DRAWINGS FOR REVIEW BY THE ENGINEER. PIPING AND DUCTWORK SHOP DRAWINGS SHALL FOLLOW THE DESIGN INTENT OF THE CONTRACT DOCUMENTS.

14. SUBMIT FINAL SIGNED COORDINATION DRAWING TO ENGINEER FOR REVIEW. ENGINEER WILL REVIEW COORDINATION DRAWINGS FOR GENERAL ARRANGEMENT AND FOR NOTED CONFLICTS ONLY. SPECIFIC INSTALLATION REQUIREMENTS WILL BE REVIEWED ONLY IN INDIVIDUAL TRADE SHOP DRAWINGS.

15. ANY WORK FABRICATED OR INSTALLED PRIOR TO SIGN OFF BY ALL TRADES WHICH IS DEEMED TO BE IN CONFLICT WITH COORDINATION DRAWINGS SHALL BE REMOVED AND RE-INSTALLED IN CONFORMANCE WITH COORDINATION DRAWINGS.

16. EACH CONTRACTOR (MENTIONED ABOVE) IS RESPONSIBLE FOR THE COORDINATION OF HIS SUB-CONTRACTORS.

17. THE OVERALL COORDINATION OF THE COORDINATION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER IS NOT RESPONSIBLE FOR THE COORDINATION PROCESS. THE ENGINEER WILL RESPOND TO QUESTIONS THAT ARISE FROM THE COORDINATION PROCESS. DRAWINGS SUBMITTED WILL BE REVIEWED FOR CLEARLY IDENTIFIED CONFLICTS ONLY. SOLUTIONS TO CONFLICTS WILL NOT BEAR ADDITIONAL COST.

SHOP DRAWINGS

1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO BE APPROVED, REVISED, OR RESUBMITTED AS PER THE ENGINEERS COMMENTS, PRIOR TO CONSTRUCTION. INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

    -PLUMBING FIXTURES -CLEAN OUTS -DRAINS -PIPING -PIPE SEALS -COMPRESSORS
    -FITTINGS -BRAZING -HANGERS/SUPPORTS -INSULATION -EXPANSION TANKS
    -WATER HEATERS -PUMPS -VALVES -THERMOSTATIC MIXING VALVES

AS BUILT DRAWINGS

1. PROVIDE A COMPLETE SET OF AS-BUILT DRAWINGS REFLECTING AS INSTALLED CONDITIONS. AS-BUILT DRAWINGS SHALL INDICATE ALL INSTALLED CONDITIONS OF SYSTEMS WITHIN THIS DISCIPLINE. DRAWINGS SHALL BE OF SIMILAR SCALE AS THE CONSTRUCTION DOCUMENTS AND INCLUDE DETAILS AS NECESSARY TO CLEARLY REFLECT THE INSTALLED CONDITION. DRAWINGS SHALL BE BOUND IN A COMPLETE AND CONSECUTIVE SET. SUPPLEMENTAL SKETCHES AND LOOSE PAPERWORK WILL NOT BE ACCEPTABLE AND WILL BE RETURNED FOR REVISION. THE CONTRACTOR SHALL COMPLY WITH THE ENGINEERS COMMENTS TO PRODUCE A CLEAR AND CONCISE SET OF DRAWINGS. DRAWINGS SHALL BE SUBMITTED IN BOTH HARD COPY AND ELECTRONIC (AUTO-CAD VERSION AS REQUIRED BY THE OWNER) VERSION. NUMBER OF COPIES OF EACH AS REQUESTED BY THE OWNER.

2. PROVIDE "AS-BUILT DRAWINGS" INDICATING IN A NEAT AND ACCURATE MANNER A COMPLETE RECORD OF ALL REVISIONS OF THE ORIGINAL DESIGN OF THE WORK. INDICATE THE FOLLOWING INSTALLED CONDITIONS:

    A. INCLUDE ALL CHANGES AND AN ACCURATE RECORD, ON REPRODUCTIONS OF THE CONTRACT DRAWINGS OR APPROPRIATE SHOP DRAWINGS, OF ALL DEVIATIONS, BETWEEN THE WORK SHOWN AND WORK INSTALLED.

    B. MAINS AND BRANCHES OF PIPING SYSTEMS, WITH VALVES AND CONTROL DEVICES LOCATED AND NUMBERED, CONCEALED UNIONS LOCATED, AND WITH ITEMS REQUIRING MAINTENANCE LOCATED (I.E., TRAPS, STRAINERS, EXPANSION COMPENSATORS, TANKS, ETC.). VALVE LOCATION DIAGRAMS, COMPLETE WITH VALVE TAG CHART.

    C. EQUIPMENT LOCATIONS (EXPOSED AND CONCEALED), DIMENSIONED FROM PROMINENT BUILDING LINES.

    D. APPROVED SUBSTITUTIONS, CONTRACT MODIFICATIONS, AND ACTUAL EQUIPMENT AND MATERIALS INSTALLED.

    E. CONTRACT MODIFICATIONS, ACTUAL EQUIPMENT AND MATERIALS INSTALLED.

    F. SUBMIT FOR REVIEW BOUND SETS OF THE REQUIRED DRAWINGS, MANUALS AND OPERATING INSTRUCTIONS.

    G. SUBMIT A COMPLETE MAINTENANCE MANUAL OF ALL EQUIPMENT INSTALLED UNDER THIS CONTRACT.

HOUSEKEEPING PADS

1. PROVIDE CONCRETE HOUSEKEEPING PADS FOR FLOOR-MOUNTED EQUIPMENT. COORDINATE EXACT LOCATIONS, DIMENSIONS, PIPING LOCATIONS, AND ANCHOR BOLT REQUIREMENTS. PROVIDE CONCRETE HOUSEKEEPING PADS UNDER ALL FLOOR MOUNTED EQUIPMENT. PADS SHALL BE CONSTRUCTED OF 3,000 PSI CONCRETE. PADS SHALL BE 4 INCHES HIGH, AND 4 INCHES WIDER THAN THE EQUIPMENT IN BOTH DIRECTIONS.

2. COORDINATE FLOOR DRAIN LOCATIONS WITH RESPECT TO EQUIPMENT HOUSEKEEPING PADS. PLACE DRAINS SUCH THAT EDGE OF THE FLOOR GRATE EXTENDS NO FURTHER THAN 2 INCHES FROM THE SIDE OF THE PAD.

HANGERS AND SUPPORT

1. SEISMIC RESTRAINT: PROVIDE SEISMIC RESTRAINT AND EXPANSION OF ALL PLUMBING EQUIPMENT AND SYSTEMS IN ACCORDANCE WITH STATE AND FEDERAL BUILDING CODE REQUIREMENTS. SUBMIT SHOP DRAWINGS SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT INDICATING ALL NECESSARY COMPONENT CUTS, PLAN LOCATIONS AND CALCULATIONS FOR A COMPLETE SYSTEM.

2. PROVIDE ALL NECESSARY STRUCTURAL MEMBERS INCLUDING ADDITIONAL STRUCTURAL SUPPORT TO SUPPORT PIPING AND EQUIPMENT. HANGERS AND SUPPORTS SHALL BE OF AN APPROVED DESIGN NECESSARY TO SUPPORT PIPING, EQUIPMENT AND TO KEEP PIPING IN PROPER ALIGNMENT AND PREVENT TRANSMISSION OF INJURIOUS THRUSTS AND VIBRATIONS. IN ALL CASES WHERE HANGERS, BRACKETS, ETC., ARE SUPPORTED FROM CONCRETE CONSTRUCTION, DO NOT WEAKEN CONCRETE OR PENETRATE WATERPROOFING. ALL HANGERS AND SUPPORTS SHALL BE CAPABLE OF SCREW ADJUSTMENT AFTER PIPING IS ERECTED. HANGERS SUPPORTING PIPING EXPANDING INTO LOOPS, BENDS AND OFFSETS SHALL BE SECURED TO THE BUILDING STRUCTURE IN SUCH A MANNER THAT HORIZONTAL ADJUSTMENT PERPENDICULAR TO THE RUN OF PIPING SUPPORTED MAY BE MADE TO ACCOMMODATE DISPLACEMENT DUE TO EXPANSION. ALL SUCH HANGERS SHALL BE FINALLY ADJUSTED BOTH IN THE VERTICAL AND HORIZONTAL DIRECTION, AS REQUIRED. HANGERS IN CONTACT WITH COPPER OR BRASS PIPE SHALL BE DIELECTRIC, COMPATIBLE WITH COPPER AND BRASS ALLOY OR PROVIDED WITH FELT SLEEVE.

3. PROVIDE ADDITIONAL SUPPORT FOR PIPING AND EQUIPMENT WHEN DECK IS NOT CAPABLE OF SUPPORT.

4. BEAM CLAMPS - HANGERS SUPPORTED FROM STEEL SHALL BE CENTER LOADING BEAM CLAMPS FOR HANGERS SUPPORTING PIPING 2 INCHES. FOR PIPING 2-L/2 INCHES AND LARGER, I BEAM CLAMPS SHALL BE FORGED STEEL. "C" CLAMPS ARE NOT TO BE USED.

5. PROVIDE AND INSTALL EXPANSION COMPENSATION FOR ALL PIPING. SUBMIT PLANS, CALCULATIONS AND EQUIPMENT DATA.

6. BAND IRON, TIE WIRE, METAL STRAPPING OR WIRE STRAPPING SHALL NOT BE PERMITTED TO SUPPORT PIPING OR EQUIPMENT.

PIPE SEALS

1. SEAL ALL PIPING PASSING THROUGH ALL FIRE AND/OR SMOKE RATED PARTITIONS AND WALLS WITH A UL LISTED, APPROVED AND TESTED FIRE AND/OR SMOKE SEALING MATERIAL INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

2. ALL PIPING PENETRATING A SLAB ON GRADE OR FOUNDATION WALL BELOW GRADE AND IN CONTACT WITH EARTH SHALL BE PROVIDED WITH A POURED IN PLACE SCHEDULE 80 GALVANIZED STEEL WATER TIGHT SLEEVE WITH INTEGRAL WATER STOP AND SEAL EQUAL TO "LINK SEAL".

3. FURNISH AND SET STEEL PIPE SLEEVES OF SCHEDULE 40 BLACK STEEL FOR ALL LOCATIONS OF INTERIOR PARTITIONS, WALLS AND FLOORS PROVIDING AT LEAST 1/2" CLEARANCE BETWEEN PIPE INSULATION AND SLEEVE OR PIPE AND SLEEVE. WALL SLEEVES SHALL BE SMOOTH CUT AND SET FLUSH WITH FINISHED WALLS. FLOOR SLEEVES SHALL EXTENDED 2" ABOVE THE FINISHED FLOOR.

4. ALL PIPING THROUGH WALLS, FLOORS OR CEILINGS SHALL HAVE SLEEVES AND ESCUTCHEONS. PROVIDE A TWO PIECE CHROME ESCUTCHEON WHERE PIPING PASSES THROUGH WALLS OR FLOORS OF FINISHED SPACES.

PLUMBING FIXTURES

1. PLUMBING FIXTURES SHALL BE NEW, COMPLETE WITH TRIMMINGS AND FITTINGS, INCLUDING FAUCETS, CARRIERS, SUPPLIES, STOPS, TRAPS, TAILPIECES, WASTE PLUGS, CASINGS, HANGERS, PLATES, BRACKETS, ANCHORS, SUPPORTS, HARDWARE AND FASTENING DEVICES. NOTE: ALL FIXTURES SHALL BE OF SAME MANUFACTURER. TRIMMINGS AND FITTINGS SHALL BE CONSTRUCT OF FORGED, CAST, ROLLED OR EXTRUDED BRASS OR BRONZE WITH MONEL AND OTHER SUITABLE NON-CORROSIVE PARTS: DESIGNED WITH EASILY RENEWABLE PARTS THAT ARE SUBJECT TO WEAR OR DETERIORATION. NO DIE CASTINGS AND STAMPINGS OTHER THAN BRASS OR STAINLESS STEEL. PROVIDE PLUMBING FIXTURES AND TRIM WITH ALL NECESSARY TRIM, DEVICES AND ACCESSORIES REQUIRED FOR PROPER OPERATIONS SPECIFICALLY NOTED OR NOT.

2. ESCUTCHEONS SHALL BE ONE-PIECE CHROME PLATED CAST BRASS OR STAINLESS STEEL.

3. P-TRAPS SHALL BE ONE PIECE CHROME PLATED CAST BRASS WITH CLEANOUT PLUG.

4. EXAMINE ROUGHING-IN WORK OF POTABLE WATER AND WASTE PIPING SYSTEMS TO VERIFY ACTUAL LOCATIONS OF PIPING CONNECTIONS PRIOR TO INSTALLING FIXTURES. CORRECT ANY INCORRECT LOCATION OF PIPING, AND UNSATISFACTORY CONDITIONS FOR INSTALLATION OF PLUMBING FIXTURES. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED IN A MANNER ACCEPTABLE TO THE ENGINEER. ALL ROUGH-IN TO PLUMBING FIXTURES SHALL CONFORM TO FIXTURE MANUFACTURER PUBLISHED ROUGH-IN DIMENSIONS, AND REQUIREMENTS.

5. UPON COMPLETION OF INSTALLATION OF PLUMBING FIXTURES AND AFTER UNITS ARE WATER PRESSURIZED, TEST FIXTURES TO DEMONSTRATE CAPABILITY AND COMPLIANCE WITH REQUIREMENTS. CORRECT MALFUNCTIONING UNITS AT SITE, THEN RETEST TO DEMONSTRATE COMPLIANCE; OTHERWISE, REMOVE AND REPLACE WITH NEW UNITS AND PROCEED WITH RETESTING.

6. CLEAN PLUMBING FIXTURES, TRIM, AND STRAINERS OF DIRT AND DEBRIS UPON COMPLETION OF INSTALLATION.

7. ADJUST WATER PRESSURE AT DRINKING FOUNTAINS, FAUCETS, SHOWER VALVES, AND FLUSH VALVES TO PROVIDE PROPER FLOW STREAM AND SPECIFIED GPM.

8. SET FIXTURES LEVEL AND UNIFORMLY, WITH CONNECTIONS AT RIGHT ANGLES TO WALL AND PROPERLY CENTERED. LAY OUT ROUGHING ACCURATELY AND IN COORDINATION WITH SPACE AND FINISH REQUIREMENTS.

9. LOCATE WASTE OUTLETS AND WATER SUPPLIES AT CONSTANT HORIZONTAL LEVELS, WITH WASTE OUTLET CENTERED ON FIXTURE DRAIN CONNECTION AND WATER SUPPLIES SPACED EQUALLY TO RIGHT AND LEFT.

10. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION AND MOUNTING HEIGHTS OF EQUIPMENT. COLORS SHALL BE COORDINATED WITH THE ARCHITECT. CONTACT ARCHITECT FOR CLARIFICATION IF INFORMATION IS NOT CONTAINED IN THE DRAWINGS.

DRAINS AND CLEANOUTS

1. PROVIDE ALL POURED IN PLACE DRAINS AND CLEANOUTS WITH 24" X 24" FLASHING.

2. PROVIDE A MANUFACTURED BRONZE OUTLET FITTING FOR ALL SECONDARY ROOF DRAIN OUTLETS.

3. INSTALL EXTERIOR CLEANOUTS WITH A 18" SQUARE X 6" THICK CONCRETE APRON.

4. COORDINATE FLOOR DRAIN LOCATIONS WITH RESPECT TO EQUIPMENT HOUSEKEEPING PADS. PLACE DRAINS SUCH THAT EDGE OF THE FLOOR GRATE EXTENDS NO FURTHER THAN 2 INCHES FROM THE SIDE OF THE PAD. CLEANOUT PLUGS SHALL BE BRASS OR PLASTIC, OR OTHER APPROVED MATERIALS. BRASS CLEANOUT PLUGS SHALL BE UTILIZED WITH METALLIC DRAIN, WASTE AND VENT PIPING ONLY, AND SHALL CONFORM TO ASTM A 74, ASME A112.3.1 OR ASME A112.36.2M. CLEANOUTS WITH PLATE-STYLE ACCESS COVERS SHALL BE FITTED WITH CORROSION-RESISTING FASTENERS. PLUGS SHALL HAVE RAISED SQUARE OR COUNTERSUNK SQUARE HEADS. COUNTERSUNK HEADS SHALL BE INSTALLED WHERE RAISED HEADS ARE A TRIP HAZARD. CLEANOUT PLUGS WITH BOROSILICATE GLASS SYSTEMS SHALL BE OF BOROSILICATE GLASS.

5. PROVIDE TRAP PRIMERS FOR EACH FLOOR DRAIN. CONNECT TRAP PRIMER TO NEAREST COLD WATER MAIN. PROVIDE ISOLATION VALVE AND EXTEND TO FLOOR DRAIN AS REQUIRED.

6. CLEANOUTS SHALL BE LOCATED AT MINIMUM INTERVALS OF 50 FEET FOR PIPING NPS 4 AND SMALLER AND 100 FEET FOR LARGER PIPING.

7. BUILDING SEWERS SHALL BE PROVIDED WITH CLEANOUTS LOCATED NOT MORE THAN 100 FEET APART MEASURED FROM THE UPSTREAM ENTRANCE OF THE CLEANOUT. FOR BUILDING SEWERS 8 INCHES AND LARGER, MANHOLES SHALL BE PROVIDED AND LOCATED NOT MORE THAN 200 FEET FROM THE JUNCTION OF THE BUILDING DRAIN AND BUILDING SEWER, AT EACH CHANGE IN DIRECTION AND AT INTERVALS OF NOT MORE THAN 400 FEET APART. MANHOLES AND MANHOLE COVERS SHALL BE OF AN APPROVED TYPE.

8. CLEANOUTS SHALL BE INSTALLED AT EACH CHANGE OF DIRECTION OF THE BUILDING DRAIN OR HORIZONTAL WASTE OR SOIL LINES GREATER THAN 45 DEGREES (INCLUDING P-TRAPS). WHERE MORE THAN ONE CHANGE OF DIRECTION OCCURS IN A RUN OF PIPING, ONLY ONE CLEANOUT SHALL BE REQUIRED FOR EACH 40 FEET OF DEVELOPED LENGTH OF THE DRAINAGE PIPING.

9. A CLEANOUT SHALL BE PROVIDED AT THE BASE OF EACH WASTE OR SOIL STACK.

10. THERE SHALL BE A CLEANOUT NEAR THE JUNCTION OF THE BUILDING DRAIN AND THE BUILDING SEWER. THE CLEANOUT SHALL BE EITHER INSIDE OR OUTSIDE THE BUILDING WALL AND SHALL BE BROUGHT UP TO THE FINISHED GROUND LEVEL OR TO THE BASEMENT FLOOR LEVEL. AN APPROVED TWO-WAY CLEANOUT IS ALLOWED TO BE USED AT THIS LOCATION TO SERVE AS A REQUIRED CLEANOUT FOR BOTH THE BUILDING DRAIN AND BUILDING SEWER. THE CLEANOUT AT THE JUNCTION OF THE BUILDING DRAIN AND BUILDING SEWER SHALL NOT BE REQUIRED IF THE CLEANOUT ON A 3-INCH OR LARGER DIAMETER SOIL STACK IS LOCATED WITHIN A DEVELOPED LENGTH OF 10 FEET OF THE BUILDING DRAIN AND BUILDING SEWER CONNECTION.

11. CONCEALED PIPING. CLEANOUTS ON CONCEALED PIPING OR PIPING UNDER A FLOOR SLAB OR IN A CRAWL SPACE OF LESS THAN 24 INCHES IN HEIGHT OR A PLENUM SHALL BE EXTENDED THROUGH AND TERMINATE FLUSH WITH THE FINISHED WALL, FLOOR OR GROUND SURFACE OR SHALL BE EXTENDED TO THE OUTSIDE OF THE BUILDING. CLEANOUT PLUGS SHALL NOT BE COVERED WITH CEMENT, PLASTER OR ANY OTHER PERMANENT FINISH MATERIAL. WHERE IT IS NECESSARY TO CONCEAL A CLEANOUT OR TO TERMINATE A CLEANOUT IN AN AREA SUBJECT TO VEHICULAR TRAFFIC, THE COVERING PLATE, ACCESS DOOR OR CLEANOUT SHALL BE OF AN APPROVED TYPE DESIGNED AND INSTALLED FOR THIS PURPOSE.

12. MINIMUM SIZE. CLEANOUTS SHALL BE THE SAME NOMINAL SIZE AS THE PIPE THEY SERVE UP TO 4 INCHES. FOR PIPES LARGER THAN 4 INCHES NOMINAL SIZE, THE MINIMUM SIZE OF THE CLEANOUT SHALL BE 4 INCHES.

13. CAST-IRON CLEANOUT SIZING SHALL BE IN ACCORDANCE WITH ASTM A 74 FOR HUB AND SPIGOT FITTINGS OR ASTM A 888 OR CISPI 301 FOR HUBLESS FITTINGS.

14. ACCESS SHALL BE PROVIDED TO ALL CLEANOUTS.

15. PROVIDE CONDENSATE DRAINAGE, COMPLETE WITH CONDENSATE REMOVAL PUMP, FOR EACH COOLING COIL. CONDENSATE PUMP DISCHARGE SHALL BE CONNECTED VIA INDIRECT WASTE CONNECTION TO BUILDING SANITARY/WASTE PIPING SYSTEM. COORDINATE PUMP WIRING WITH PROJECT ELECTRICIAN. IF GRAVITY DRAINAGE IS POSSIBLE WITHIN THE CONSTRAINTS OF PIPING PITCH, CONCEALMENT ABOVE CEILINGS, AND ONLY AFTER COMPLETE COORDINATION WITH STRUCTURE AND OTHER TRADES, THE CONTRACTOR MAY SUBMIT SKETCH PROPOSALS FOR GRAVITY ROUTING FOR REVIEW/APPROVAL.

MISCELLANEOUS SPECIALTIES

1. ALL EQUIPMENT, VALVES, STRAINERS, UNIONS, TRAPS, FLANGES AND OTHER APPURTENANCES REQUIRING ACCESS SHALL BE LOCATED IN ACCESSIBLE LOCATIONS. WHEN A PIECE OF EQUIPMENT MUST BE LOCATED ABOVE AN INACCESSIBLE CEILING OR WALL THEN THE APPROPRIATE ACCESS DOOR SHALL BE PROVIDED. SUCH EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO CLEANOUTS, WATER HAMMER ARRESTORS AND VALVES. THESE SHALL BE COORDINATED WITH THE ARCHITECT. ACCESS DOORS SHALL BE RIGID CONSTRUCTION WITH TWO HINGES AND A LATCH. IN PLENUM CEILINGS, PROVIDE FELT BETWEEN THE DOOR AND FRAME TO MAKE AN AIR TIGHT SEAL. ACCESS DOORS SHALL BE RATED TO THE SAME OR GREATER RATING OF THE PARTITION IN WHICH THEY ARE INSTALLED. ACCESS DOORS SHALL BE FLUSH MOUNTED, PRIME COATED WITH RUST INHIBITIVE PAINT, CONCEALED FRAME, FLUSH SCREW DRIVER OPERATED LOCKS WITH METAL CAMS AND ANCHORS AS REQUIRED.

2. ACCESS DOOR SIZES SHALL BE:
    12" X 12" AT EASILY ACCESSIBLE ITEMS
    16" X 16" WHERE PARTIAL BODY ACCESS IS REQUIRED
    24" X 24" WHERE FULL BODY ACCESS IS REQUIRED

3. PROVIDE AND INSTALL DRIP PANS WITH WATER DETECTOR AND DRAIN FOR PIPING REQUIRED BY ACTUAL FIELD CONDITIONS WHERE PIPING PASSES OVER INCLUDING AREA WITHIN 3'-0" OF ELECTRICAL EQUIPMENT.

4. DO NOT INSTALL AIR GAP BACKFLOW PREVENTERS IN CONCEALED SPACES OR IN AREAS WHERE SPLASHING WATER WILL DAMAGE FINISHES. PROVIDE AND INSTALL AN OVERSIZED COPPER FUNNEL WITH AIR GAP DIRECTLY BELOW RPD PRESSURE RELIEF PORT. PIPE FUNNEL TO SPILL AS AN INDIRECT WASTE TO AN APPROVED DRAIN LOCATION.

5. INSTALL ELECTRONIC TRAP PRIMERS SERVING ALL DRAINS. INSTALL ALL TRAP PRIMER VALVES IN AN ACCESSIBLE LOCATION. PROVIDE AND INSTALL ACCESS PANELS AND DOORS WHERE REQUIRED TO GAIN ACCESS IN CONCEALED CONSTRUCTION.

6. PROVIDE FLEXIBLE CONNECTIONS IN ALL PIPING SYSTEMS CONNECTED TO PUMPS AND OTHER EQUIPMENT WHICH REQUIRES VIBRATION ISOLATION, EXCEPT WATER COILS. FLEXIBLE CONNECTIONS SHALL BE PROVIDED AS CLOSE TO THE EQUIPMENT AS POSSIBLE.

PIPING GENERAL

1. NO PIPING SHALL BE COVERED UNTIL TESTED APPROVED BY THE AUTHORITIES HAVING JURISDICTION.

2. ALL PIPING SHALL BE RUN PERPENDICULAR AND/OR PARALLEL TO FLOORS, INTERIOR WALLS, ETC. PIPING AND VALVES SHALL BE GROUPED NEATLY AND SHALL BE RUN AS TO MAXIMIZE HEADROOM OR PASSAGE CLEARANCE. ALL VALVES, CONTROLS AND ACCESSORIES CONCEALED IN FURRED SPACES AND REQUIRING ACCESS FOR OPERATION AND MAINTENANCE SHALL BE ARRANGED TO ASSURE THE USE OF A MINIMUM NUMBER OF ACCESS DOORS.

3. ALL PIPE LINES MADE WITH SCREWED FITTINGS MUST BE PROVIDED WITH A SUFFICIENT NUMBER OF FLANGES AND/OR UNIONS TO ALLOW FOR EASY AND CONVENIENT DISMANTLING OF THE SYSTEM WITHOUT BREAKING FITTINGS.

4. ALL PIPING SHALL RUN CONCEALED IN FURRED SPACES OF OCCUPIED AREAS OR CHASES. CONTRACTOR SHALL OBTAIN PERMISSION TO RUN ANY EXPOSED PIPES.

5. CAP ALL PIPE AND EQUIPMENT OUTLETS DURING CONSTRUCTION AND KEEP LINES AND INSIDE OF EQUIPMENT FREE OF FOREIGN MATERIALS.

6. PROVIDE FOR EXPANSION WITHOUT WARPING OR DISLOCATING LINES OR STRAINING CONNECTED EQUIPMENT. INSTALL PIPING TO CLEAR BUILDING CONSTRUCTION AND TO AVOID INTERFERENCE WITH OTHER WORK. THE CONTRACTOR SHALL PROVIDE AND INSTALL COMPLETE PIPING EXPANSION SYSTEM (INCLUDING SEISMIC JOINT EXPANSION) AND DEVICES AS REQUIRED FOR PROPER EXPANSION COMPENSATION STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF THE PROJECT.

7. THE DRAWINGS INDICATE SCHEMATICALLY THE SIZE AND LOCATION OF PIPING. PIPING SHALL BE SET UP AND DOWN AND OFFSET AS REQUIRED TO MEET CONSTRUCTION CONDITIONS.

8. THIS CONTRACTOR SHALL INFORM HIMSELF FROM THE GENERAL CONSTRUCTION SPECIFICATIONS AND PLANS, OF THE EXACT DIMENSION OF FINISHED WORK AND OF THE HEIGHT OF FINISHED CEILINGS IN ALL ROOMS WHERE EQUIPMENT OR PIPES ARE TO BE PLACED AND ARRANGE HIS WORK IN ACCORDANCE WITH THE SCHEDULE OF INTERIOR FINISHES, AS INDICATED ON THE ARCHITECTURAL DRAWINGS.

9. WATER PIPING SHALL BE RUN FREE OF TRAPS AND UNNECESSARY BENDS. ANY TRAPS FORMED SHALL BE PROVIDED WITH HOSE END DRAIN VALVES WITH THREADED CAP AND CHAIN TO COMPLETELY DRAIN THE SYSTEM.

10. PROVIDE SECTION CUT-OFF VALVES ON ALL MAINS AND BRANCHES. PITCH AND VALVE ALL WATER PIPING FOR CONVENIENT DRAINAGE.

11. UNIONS AND/OR FLANGES SHALL BE INSTALLED AT EACH PIECE OF EQUIPMENT, IN BYPASSES AND IN LONG PIPING RUNS (100 FEET OR MORE) TO PERMIT DISASSEMBLY FOR ALTERATION AND REPAIRS.

12. WHEREVER DISSIMILAR METALS ARE JOINED TOGETHER AN APPROVED DIELECTRIC FITTING SHALL BE USED. THE DIELECTRIC FITTING SHALL BE A LISTED ASSEMBLY.

13. RUN ALL SOIL, WASTE AND VENT PIPING SHOWN OR REQUIRED BY LOCAL CODES. PIPING SHOWN IS MINIMUM AND IN ACCORDANCE WITH STATE AND FEDERAL CODES. IF LOCAL CODES REQUIRE ADDITIONAL VENTING OR LARGER SIZES, PROVIDE AS REQUIRED.

14. MAKE ALL CONNECTIONS THROUGH TRAPS. EACH TRAP TO BE VENTED, EITHER BY CIRCUIT, LOOP, OR INDIVIDUAL VENT, AS REQUIRED, BUT NOT LESS THAN SHOWN, OR AS REQUIRED BY LOCAL CODE.

15. ALL UNDERGROUND PIPING SHALL BE LAID ON 6" SAND AND BACKFILLED WITH CLEAN FINE EARTH COMPACTED TO 12" ABOVE PIPE. COMPLETE BACKFILL WITH AVAILABLE EARTH FREE OF LARGE BOULDERS AND SHARP ROCKS. TAMP BACKFILL IN 6" ELEVATIONS AND OVERFILL TO ALLOW FOR SETTLEMENT.

16. SET AND PROPERLY CONNECT ALL FIXTURES WITH HOT AND COLD WATER, VENT AND DRAINAGE PIPING, AS REQUIRED AND PROTECT FIXTURES UNTIL ACCEPTANCE AND TEST. CLEAN ALL FLUSH VALVES AFTER TWO WEEKS OF OPERATION.

17. INSTALL THRUST BLOCKS FOR UNDERGROUND WATER PIPING AT ALL CHANGES IN DIRECTION BOTH HORIZONTALLY AND VERTICALLY. THRUST BLOCKS SHALL BEAR AGAINST UNDISTURBED EARTH OR EARTH. THRUST BLOCKS SHALL BE INSTALLED IN ACCORDANCE WITH THE DUCTILE IRON PIPE RESEACH ASSOCIATION (DIPRA) MANUAL "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" AND LOCAL UTILITY COMPANY REQUIREMENTS.

GAS PIPING

1. INSTALL GAS PIPING, AND GAS PIPING SPECIALTIES IN ACCORDANCE WITH NFPA 54, NFPA 58, AND AUTHORITIES HAVING JURISDICTION.

2. PROVIDE AND INSTALL INDEPENDENT GAS PRESSURE REGULATOR VENTS TO THE EXTERIOR AS REQUIRED IN NFPA 54/58 AND THE REGULATOR MANUFACTURERS REQUIREMENTS.

3. LOCATE GAS PIPING WITH ADEQUATE SEPARATION BETWEEN ELECTRICAL CABLES, EQUIPMENT, AND CONDUIT.

4. SLOPE GAS PIPING TO LOW POINTS WITHOUT TRAPS. PROVIDE DRIPS (PIPE TEE, NIPPLE, AND CAP) AT BOTTOM OF ALL VERTICAL RISERS AND DROPS.

5. MAKE BRANCH CONNECTIONS TO MAINS FROM TOP OR SIDE, NOT FROM BOTTOM OF MAIN.

6. PROVIDE AND INSTALL GAS SHUT-OFF VALVES FOR THE PROPER AND SAFE CONTROL OF THE SYSTEM.

7. DO NOT LOCATE GAS VALVES IN SPACES USED AS AIR PLENUMS.

8. VERIFICATION: BEFORE MAKING A GAS CONNECTION, VERIFY THAT EQUIPMENT IS COMPATIBLE WITH THE TYPE AND PRESSURE OF GAS BEING SUPPLIED.

9. PURGING: PURGE GAS TO SAFE LOCATION.

# PLUMBING SYMBOL LEGEND (NOT ALL ARE USED)

| SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION |
|---|---|---|---|
| | AIR ADMITTING VALVE | | HUB DRAIN |
| | BALANCING VALVE | | ROOF DRAIN |
| | BALL VALVE | | ROOF OVERFLOW DRAIN |
| | VALVE IN UNDERGROUND BOX | | TRENCH DRAIN |
| | BACKWATER VALVE | HB | HOSE BIBB |
| | CHECK VALVE | | POINT OF NEW CONNECTION |
| | GAS VALVE | | POINT OF DISCONNECTION |
| | PRESSURE RELIEF VALVE | | VENT THROUGH ROOF |
| | THERMOSTATIC MIXING VALVE | | RECIRCULATION PUMP |
| | GATE VALVE | | WATER HAMMER ARRESTOR |
| | SUPPLY VALVE | TP | TRAP PRIMER |
| | METER | | "P" TRAP |
| | REDUCED PRESSURE BACKFLOW PREVENTER | WH | WALL HYDRANT |
| | CLOTHES WASHER CONNECTION | | PIPE DOWN |
| | FLOOR CLEANOUT | | PIPE UP |
| | WALL CLEANOUT | | CAPPED PIPE |
| | YARD CLEANOUT | | CLEANOUT PLUG |
| | FLOOR DRAIN | | UNION |
| | FLOOR DRAIN WITH FUNNEL | | DIRECTION OF FLOW |
| | FLOOR SINK WITH FULL GRATE | | PIPE OR EQUIPMENT TO BE DEMOLISHED |
| | FLOOR SINK WITH HALF GRATE | XXX | PLUMBING FIXTURE |
| | FLOOR SINK WITH THREE-QUARTER GRATE | XXX-A | ADA COMPLIANT PLUMBING FIXTURE |

# PLUMBING PIPING SYSTEM DETAILS LEGEND (NOT ALL ARE USED)

| EXISTING | NEW | DESCRIPTION |
|---|---|---|
| | | DOMESTIC COLD WATER |
| | | DOMESTIC HOT WATER SUPPLY |
| 140° | 140° | DOMESTIC 140°F HOT WATER SUPPLY |
| | | DOMESTIC HOT WATER RETURN |
| S | S | SANITARY WASTE |
| S | S | SANITARY WASTE BELOW SLAB |
| V | V | SANITARY VENT |
| ST | ST | STORM DRAIN |
| ST | ST | STORM DRAIN BELOW SLAB |
| OS | OS | OVERFLOW STORM |
| G | G | NATURAL GAS |
| G | G | NATURAL GAS BELOW SLAB |
| RV | RV | RADON VENT |
| CA | CA | COMPRESSED AIR |
| CD | CD | CONDENSATE DRAIN |
| FM | FM | FORCE MAIN |
| FM | FM | FORCE MAIN BELOW SLAB |
| IW | IW | INDIRECT WASTE |
| GW | GW | GREASE WASTE |
| GW | GW | GREASE WASTE BELOW SLAB |
| AW | AW | ACID WASTE |
| AW | AW | ACID WASTE BELOW SLAB |
| AV | AV | ACID VENT |
| OW | OW | OIL WASTE |
| OW | OW | OIL WASTE BELOW SLAB |

# PLUMBING DEMOLITION NOTES

1. ALL EQUIPMENT, FIXTURES, PIPING ETC. TO BE REMOVED SHALL BE DISPOSED OF, TURNED OVER TO THE OWNER, OR SALVAGED AS DIRECTED BY THE OWNER. EQUIPMENT, FIXTURES, PIPING, DEVICES, ETC. SHALL NOT BE REMOVED FROM THE PREMISES WITH OUT THE OWNER'S APPROVAL.

2. ALL ABANDONED PIPING TO REMAIN SHALL BE PROPERLY PLUGGED, VALVED, CAPPED AND/OR BY PASSED SUCH THAT UPON COMPLETION OF WORK ALL ABANDONED SYSTEMS ARE PROPERLY CONCEALED, AND THAT EXISTING SYSTEMS TO REMAIN, REMAIN OPERATIONAL.

3. NO DEAD ENDS SHALL BE LEFT ON ANY PIPING SYSTEMS UPON COMPLETION OF WORK.

4. PATCH ALL WALLS, FLOORS, CEILINGS, AND ROOFS TO MATCH EXISTING IN ALL CASES WHERE EXISTING WALLS, FLOORS, CEILINGS, AND ROOFS REMAIN AND PLUMBING DEMOLITION IS INDICATED.

5. EXISTING EXPOSED PIPING SYSTEMS NOT TO BE REUSED, AND NOT SPECIFICALLY NOTED FOR REMOVAL SHALL BE COMPLETELY REMOVED. CONTRACTOR SHALL VERIFY PRIOR TO REMOVAL.

6. ALL SYSTEMS SHALL BE LEFT IN PERFECT WORKING ORDER UPON COMPLETION OF ALL NEW WORK.

7. ALL EXISTING EXPOSED, UNNECESSARY PIPING RELATED TO NEW WORK SHALL BE COMPLETELY REMOVED.

8. REROUTE OR REMOVE ALL EXISTING PIPING, AND SYSTEMS WHERE NECESSARY TO AVOID NEW EQUIPMENT, STRUCTURAL, OR MASONRY WORK AS REQUIRED BY THE PROPOSED ALTERATIONS.

9. COORDINATE PLUMBING SERVICES SHUT DOWNS (H&CW, GAS, WASTE, VENT & STORM SYSTEMS) WITH THE BUILDING MANAGER AND UTILITY COMPANY.

10. REMOVE ALL EXISTING DOMESTIC HOT & COLD WATER, SANITARY, WASTE & VENT DISTRIBUTION THROUGH OUT THE BUILDING. ABANDON EXISTING BELOW GRADE SANITARY DRAINAGE IN PLACE.

# PLUMBING DRAWING LIST


P001 PLUMB GENERAL NOTES, ABBREVIATIONS, AND LEGENDS
P010 PLUMB FIRST FLOOR DEMO PLAN
P100 PLUMB FIRST FLOOR PLAN


# PLUMBING ABBREVIATIONS (NOT ALL ARE USED)

| | |
|---|---|
| ADA | AMERICAN DISABILITIES ACT |
| A.F.F. | ABOVE FINISHED FLOOR |
| A.F.G. | ABOVE FINISHED GRADE |
| B.F.F. | BELOW FINISHED FLOOR |
| BFP | BACKFLOW PREVENTER |
| BIV | BUTTERFLY INDICATING VALVE |
| BLDG | BUILDING |
| BTU | BRITISH THERMAL UNIT |
| BTUH | BRITISH THERMAL UNITS PER HOUR |
| C.E. | CIVIL ENGINEER |
| CONT | CONTINUED |
| COP | CLEANOUT PLUG |
| CPVC | CHLORINATED POLYVINYL CHLORIDE |
| CV | CHECK VALVE |
| CW | COLD WATER |
| D.F.U. | DRAINAGE FIXTURE UNITS |
| DIA. or ∅ | DIAMETER |
| DN | DOWN |
| DWG | DRAWING |
| EA | EACH |
| E.C. | ELECTRICAL CONTRACTOR |
| EWH | ELECTRIC WATER HEATER |
| EX. | EXISTING |
| FCO | FLOOR CLEANOUT |
| FD | FLOOR DRAIN |
| FDF | FLOOR DRAIN WITH FUNNEL |
| FDF-R | FLOOR DRAIN WITH ROUND FUNNEL |
| F.F. | FINISHED FLOOR |
| F.F.E. | FINISHED FLOOR ELEVATION |
| FLR. | FLOOR |
| F.P.C. | FIRE PROTECTION CONTRACTOR |
| FS | FLOOR SINK |
| FSB | FLOOR SINK WITH SEDIMENT BUCKET |
| FSH | FLOOR SINK WITH HALF GRATE |
| FSQ | FLOOR SINK WITH THREE-QUARTER GRATE |
| FT | FEET |
| F.U. | FIXTURE UNITS |
| GAL | GALLONS |
| G.C. | GENERAL CONTRACTOR |
| GPF | GALLONS PER FLUSH |
| GPH | GALLONS PER HOUR |
| GWH | GAS WATER HEATER |
| HD | HUB DRAIN |
| HP | HORSEPOWER |
| HR | HOUR |
| HW | HOT WATER |
| HWR | HOT WATER RECIRCULATION |
| KW | KILOWATTS |
| MAX. | MAXIMUM |
| MBTUH | THOUSANDS OF BTU PER HOUR |
| M.C. | MECHANICAL CONTRACTOR |
| MIN. | MINIMUM |
| MISC. | MISCELANNEOUS |
| NC | NORMALLY CLOSED |
| N.I.C. | NOT IN CONTRACT |
| NO | NORMALLY OPEN |
| NTS | NOT TO SCALE |
| P.C. | PLUMBING CONTRACTOR |
| P.R.A. | PROJECTED ROOF AREA |
| PSI | POUNDS PER SQUARE INCH |
| PVC | POLYVINYL CHLORIDE |
| RAD. | RADIUS |
| RD | ROOF DRAIN |
| RO | ROOF OVERFLOW |
| RPBFP | REDUCED PRESSURE BACKFLOW PREVENTER |
| RL | RAINWATER LEADER |
| S.C. | SITE CONTRACTOR |
| SF | SQUARE FEET |
| SS | SANITARY SEWER STACK |
| TB | THRUST BLOCK |
| TD | TRENCH DRAIN |
| TP | TRAP PRIMER |
| TYP. | TYPICAL |
| U.O.N. | UNLESS OTHERWISE NOTED |
| V | VENT |
| VB | VACUUM BREAKER |
| V.I.F. | VERIFY IN FIELD |
| VS | VENT STACK |
| VTR | VENT THROUGH ROOF |
| WCO | WALL CLEANOUT |
| WH | WALL HYDRANT |
| WS | WASTE STACK |
| YCO | YARD CLEANOUT |

PROJECT TITLE:
INTERIOR RENOVATION AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525


SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com


REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE:
PLUMB GENERAL NOTES, ABBREVIATIONS, AND LEGENDS
PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026
STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: 12" = 1'-0"
DRAWN BY: TH
PROJECT NUMBER: 23.195

DRAWING NUMBER:
P001

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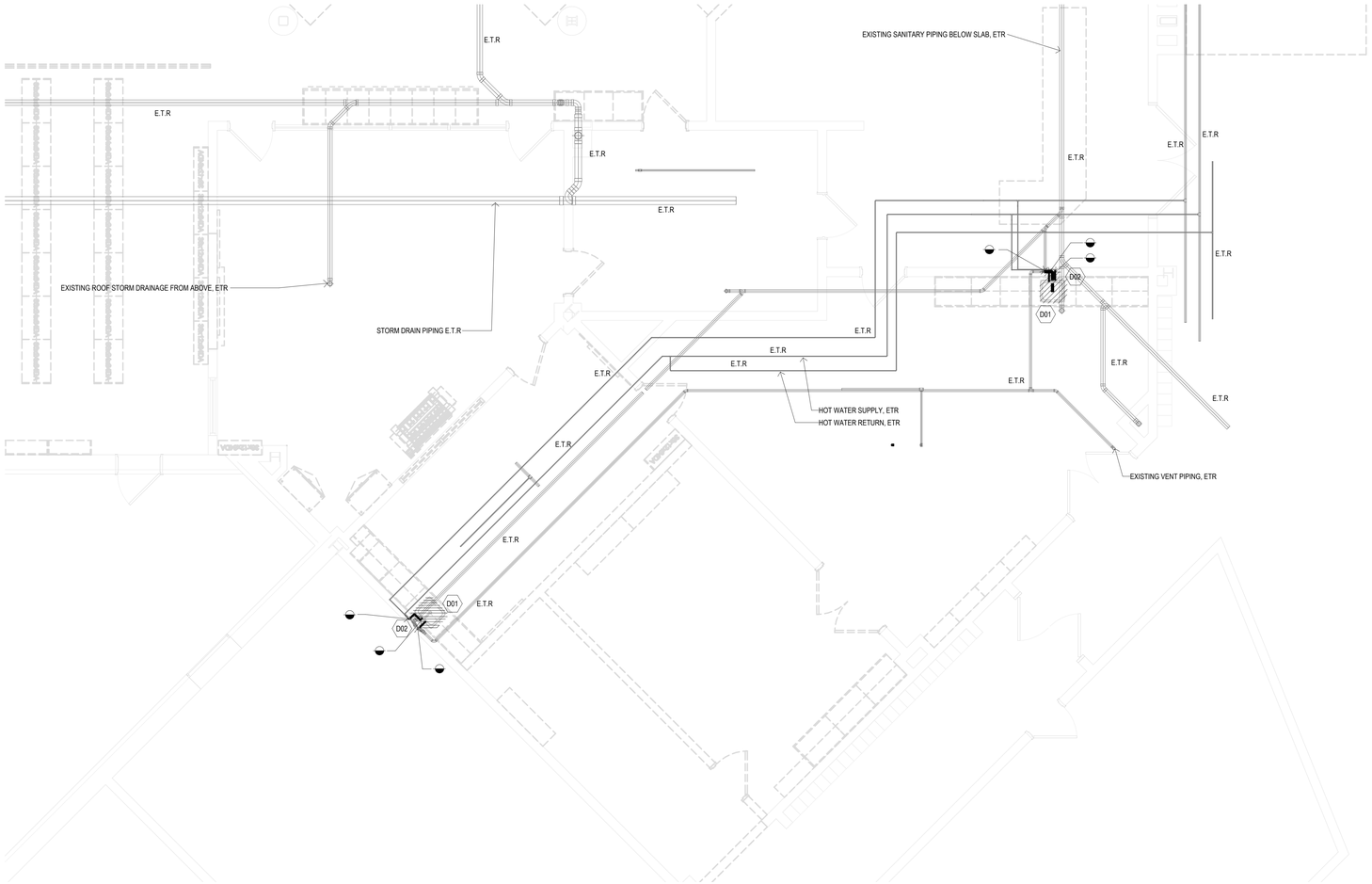


1 PLUM FIRST FLOOR DEMO PLAN
1/4" = 1'-0"

## PLUMBING DEMOLITION LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | EXISTING PIPING OR EQUIPMENT TO BE REMOVED |
| | EXISTING EQUIPMENT OR PIPE TO REMAIN |
| D## | DEMOLITION KEYNOTE TAG |

## DEMOLITION KEYNOTES

| | |
|---|---|
| D01 | EXISTING PLUMBING FIXTURES TO BE DEMOLISHED AND REMOVED AS INDICATED |
| D02 | DHW, DCW AND SANITARY PIPING TO BE CUT BACK INTO WALL AND CAPPED. |
| D03 | POINTS OF CONNECTIONS FOR NEW FAUCET SUPPLY PIPING FROM EXISTING SUPPLY SYSTEM SHALL BE CUT FOR NEW FITTINGS. |

**GENERAL PLUMBING DEMOLITION SCOPE:**

EXISTING PLUMBING FIXTURES (i.e. SINKS, FAUCETS, ETC) ARE TO BE REMOVED UP TO NEAREST JOINT IN WALL; DOMESTIC COLD WATER, DOMESTIC HOT WATER, SANITARY PIPING AND SANITARY VENT PIPING IS TO BE CAPPED IN WALL. ALL OTHER PLUMBING ASSOCIATED PIPING AND PIPE ROUTING IS EXISTING TO REMAIN AND UNAFFECTED BY SCOPE OF WORK.

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STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: As indicated
DRAWN BY: TH
PROJECT NUMBER: 23.195

DRAWING NUMBER:
P010

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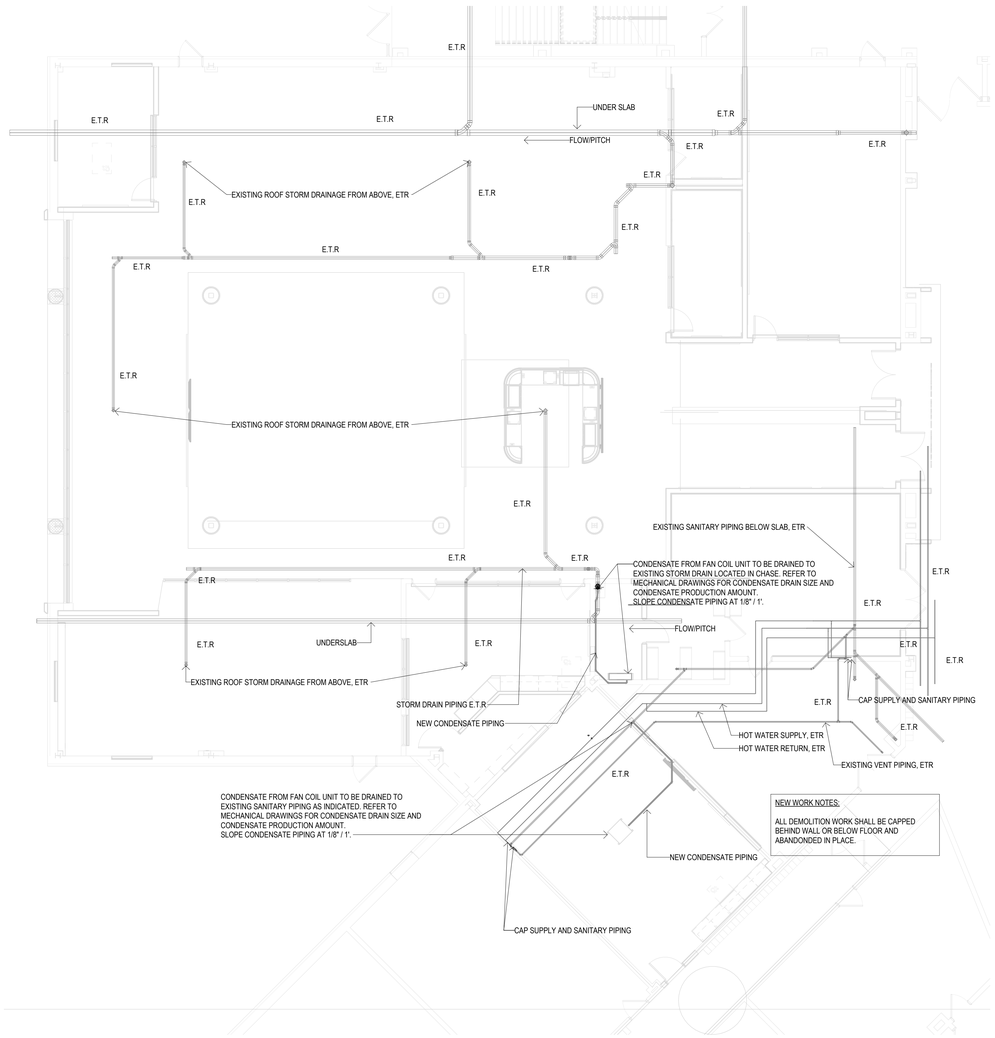
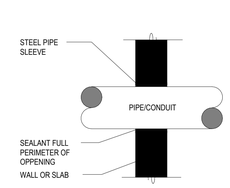
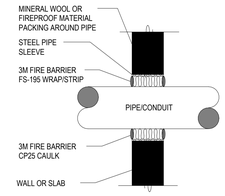



1 PLUM FIRST FLOOR PLAN

1/8" = 1'-0"




SLEEVES AT NON-RATED WALLS

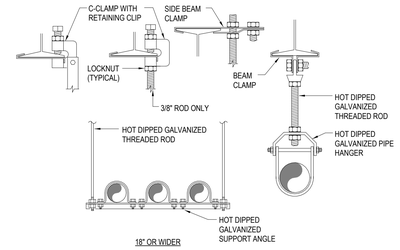



SLEEVES AT RATED WALLS

| GENERAL NOTES: |
|---|
| PROVIDE UL LISTED, FM APPROVED FIRE/SMOKE PENETRATION ASSEMBLIES IN ACCORDANCE WITH UL1479, ASTM E184 REQUIREMENTS FOR WALL TYPE, RATING AND PIPE SIZES. |
| FIRE STOPPING SHALL HAVE A RATING EQUAL TO OR GREATER THAN THE WALL BEING PENETRATED. REFER TO ARCHITECTURAL DRAWINGS FOR WALL RATINGS. |
| FOR PENETRATIONS AT RATED WALLS SEE SPECIFICATION SECTIONS "SEALANTS" AND "FIRESTOPPING" |

## PIPE PENETRATION DETAIL

NOT TO SCALE

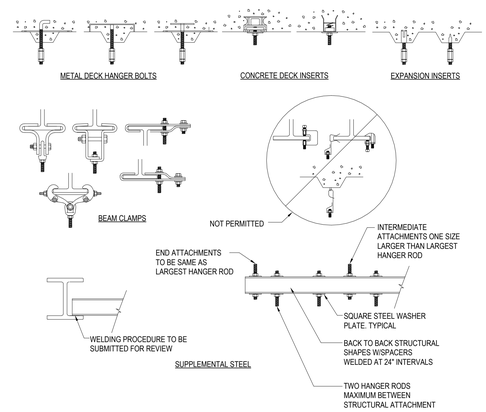



18" OR WIDER

| PIPE SIZE | MAX SPACING STEEL PIPE EXCEPT THREADED LIGHTWALL | MAX SPACING STEEL PIPE THREADED LIGHTWALL |
|---|---|---|
| 1", 1-/4" | 12'-0" | 12'-0" |
| 1-1/2", 2", 2-1/2", 3" | 15'-0" | 12'-0" |
| 4", 6", 8" | 15'-0" | N/A |
| INSTALL HANGERS IN ACCORDANCE WITH NFPA 13 AND STRUCTURAL REQUIRMENTS | | |

## PIPE SUPPORT DETAIL

NOT TO SCALE




## PIPE HANGER ATTACHMENT DETAIL

NOT TO SCALE

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P100

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## ABBREVIATIONS (NOT ALL ARE USED)

| | |
|---|---|
| (###) | CFM |
| ABV | ABOVE |
| AC | AIR COMPRESSOR |
| AD | ACCESS DOOR |
| AF | AIRFOIL |
| AFF | ABOVE FINISHED FLOOR |
| AFMS | AIR FLOW MEASURING STATION |
| AHU-# | AIR HANDLING UNIT |
| AL | ACOUSTIC LINING |
| ALD | AUTOMATIC LOUVER DAMPER |
| APD | AIR PRESSURE DROP |
| AUTO | AUTOMATIC |
| AWT | AVERAGE WATER TEMPERATURE |
| B-# | BOILER |
| BC | BACKWARD CURVED |
| BD | BELT DRIVE |
| BMCS | BUILDING MANAGEMENT & CONTROL SYSTEM |
| BTU | BRITISH THERMAL UNIT |
| CAP | CAPACITY |
| CB-# | CONTROL BOX |
| CC-# | COOLING COIL |
| CD | CONDENSATE DRAIN |
| CFM | CUBIC FEET PER MINUTE |
| CH-# | CHILLER |
| CHWS | CHILLED WATER SUPPLY |
| CHWR | CHILLED WATER RETURN |
| CLG | CEILING |
| CONV-# | HOT WATER CONVECTOR |
| CP | CONDENSATE RECEIVER/PUMPING SYSTEM |
| CWR | CONDENSER WATER RETURN |
| CWS | CONDENSER WATER SUPPLY |
| CT-# | COOLING TOWER |
| CUH-# | CABINET UNIT HEATER |
| CV | CONTROL VALVE |
| dB | DECIBELS |
| DB | DRY BULB |
| DDC | DIRECT DIGITAL CONTROL |
| DIA. or ∅ | DIAMETER |
| DIFF | DIFFUSER |
| DL | DOOR LOUVER |
| DN | DOWN |
| DOAS | DEDICATED OUTDOOR AIR SYSTEM |
| DP | DEWPOINT TEMPERATURE |
| DR | DROP |
| DTR | DUAL TEMPERATURE WATER RETURN |
| DTS | DUAL TEMPERATURE WATER SUPPLY |
| DX | DIRECT EXPANSION |
| EAT | ENTERING AIR TEMPERATURE |
| ECM | ELECTRONICALLY COMMUTATED MOTOR |
| EER | ENERGY EFFICIENCY RATIO |
| EF-# | EXHAUST FAN |
| EG | EXHAUST GRILLE |
| EHC-# | ELECTRIC HEATING COIL |
| ER | EXHAUST REGISTER |
| ES | END SUCTION |
| ESP | EXTERNAL STATIC PRESSURE |
| ET-# | EXPANSION TANK |
| EUH-# | ELECTRIC UNIT HEATER |
| EWH-# | ELECTRIC WALL HEATER |
| EWT | ENTERING WATER TEMPERATURE |
| EWT | ENTERING WATER TEMPERATURE |
| EX | EXISTING |
| EXH | EXHAUST |
| EXT | EXTERNAL |
| F | DEGREES FAHRENHEIT |
| FA | FACE AREA |
| FAI | FRESH AIR INTAKE |
| F&B | FACE & BYPASS DAMPER |
| FBO | FURNISHED BY OTHERS (INSTALLED BY HVAC SUBCONTRACTOR) |
| FC | FORWARD CURVE |
| FCU | FAN COIL UNIT |
| FD/AD | FIRE DAMPER WITH ACCESS DOOR |
| FF | FINAL FILTER |
| FIBO | FURNISHED AND INSTALLED BY OTHERS |
| FIN FL | FINISH FLOOR |
| FL | FLOOR |
| FLA | FULL LOAD AMPERES |
| FLEX | FLEXIBLE |
| FPF | FINS PER FOOT |
| FS | FLOW SWITCH |
| FT | FEET |
| F.T. | FLOAT & THERMOSTATIC TRAP |
| FTR | FIN TUBE RADIATION |
| FV | FACE VELOCITY |
| GC | GENERAL CONTRACTOR |
| GPH | GALLONS PER HOUR |
| GPM | GALLONS PER MINUTE |
| GWLR | GEOTHERMAL WATER LOOP RETURN |
| GWLS | GEOTHERMAL WATER LOOP SUPPLY |
| H-# | HUMIDIFIER |
| H/C | HEATING/COOLING |
| HEPA | HIGH EFFICIENCY PARTICULATE ARRESTANCE |
| HC-# | HEATING COIL |
| HD | FEET OF HEAD |
| HGBP | HOT GAS BYPASS |
| HGRH | HOT GAS REHEAT |
| H-O-A | HAND-OFF-AUTOMATIC |
| HP-# | HEAT PUMP |
| HP | HORSEPOWER |
| HTG | HEATING |
| HV-# | HEATING AND VENTILATING UNIT |
| HVAC | HEATING, VENTILATING & AIR CONDITIONING |
| HX-# | HEAT EXCHANGER CONVERTOR |
| IBT | INVERTED BUCKET TRAP |
| ID | INSIDE DIMENSION |
| IL | INLINE |
| IN | INCHES |
| IV | INLET GUIDE VANES |
| KW | KILOWATT |
| KWH | KILOWATT HOUR |
| LAT | LEAVING AIR TEMPERATURE |
| LD | LINEAR DIFFUSER |
| LIN | LINEAR |
| LRA | LOCKED ROTOR AMPERES |
| LPR | LOW PRESSURE STREAM RETURN |
| LPS | LOW PRESSURE STEAM SUPPLY |
| LWT | LEAVING WATER TEMPERATURE |
| MAN | MANUAL |
| MAT | MIXED AIR TEMPERATURE |
| MAX | MAXIMUM |
| MBH | 1000 BTU'S |
| MCA | MINIMUM CIRCUIT AMPACITY |
| MD | MOTORIZED DAMPER |
| MER | MECHANICAL EQUIPMENT ROOM |
| MERV | MINIMUM EFFICENCY RESISTANCE VALUE |
| MEZZ | MEZZANINE |
| MFS | MAXIMUM FUSE SIZE |
| MIN | MINIMUM |
| MOCP | MINIMUM OVERCURRENT PROTECTION |
| MOT | MOTOR |
| MUA | MAKE-UP AIR |
| MV | MOTORIZED VALVE |
| NC | NOISE CRITERIA |
| NC | NORMALLY CLOSED |
| NO | NORMALLY OPEN |
| NTS | NOT TO SCALE |
| OA | OUTSIDE AIR |
| OAI | OUTDOOR AIR INTAKE |
| OAT | OUTDOOR AIR TEMPERATURE |
| OBD | OPPOSED BLADE DAMPER |
| OD | OUTSIDE DIMENSION |
| O.E. T.D. | OPEN END TRANSFER DUCT |
| P-# | PUMP |
| PB | PUSH BUTTON |
| PBD | PARALLEL BLADE DAMPER |
| PD | PRESSURE DROP |
| PF | PREFILTER |
| PH | PHASE |
| PHC | PREHEAT COIL |
| PRV | PRESSURE REDUCING VALVE |
| PSI | POUND PER SQUARE INCH |
| RA | RETURN AIR |
| RAF-# | RETURN AIR FAN |
| RAT | RETURN AIR TEMPERATURE |
| RH | RELATIVE HUMIDITY |
| RHC | REHEAT COIL |
| RLA | RATED LOAD AMPS |
| RM | ROOM |
| RP | RADIANT PANEL |
| RPM | REVOLUTIONS PER MINUTE |
| RTU-# | ROOFTOP AIR CONDITIONING UNIT |
| SA | SUPPLY AIR |
| SAF-# | SUPPLY AIR FAN |
| SAT | SUPPLY AIR TEMPERATURE |
| SB | SECURITY BARS |
| SD | SMOKE DAMPER |
| SEER | SEASONAL ENERGY EFFICIENCY RATIO |
| SG | SUPPLY GRILLE |
| SP | STATIC PRESSURE |
| SQ FT | SQUARE FOOT (AREA) |
| ST | SINGLE POLE SWITCH W/ THERMAL OVERLOAD |
| SWR | SIDE WALL REGISTER |
| TD | TEMPERATURE DIFFERENCE |
| TDV | TRIPLE DUTY VALVE |
| TEMP | TEMPERATURE |
| TG | AIR TRANSFER GRILLE |
| TN-HR | TON HOUR REFRIGERATION |
| TOT | TOTAL |
| TRD | TRANSFER DUCT |
| T'STAT | THERMOSTAT |
| TT | THERMOSTATIC TRAP |
| TYP | TYPICAL |
| UC | UNDERCUT DOOR |
| UH-# | UNIT HEATER |
| UV-# | UNIT VENTILATOR |
| VAV-# | VARIABLE AIR VOLUME |
| VD | VOLUME DAMPER |
| VE | VOLUME EXTRACTOR |
| VFD | VARIABLE FREQUENCY DRIVE |
| VI | VIBRATION ISOLATOR |
| W/ | WITH |
| WB | WET BULB |
| WFM | WATER FLOW MEASURING STATION |
| WMS | WIRE MESH SCREEN |
| WPD | WATER PRESSURE DROP |
| WSHP | WATER SOURCE HEAT PUMP |
| WT | WEIGHT (LBS) |
| ZD | ZONE DAMPER |

## SYMBOL LEGEND (NOT ALL SYMBOLS ARE USED)

| | | | | | |
|---|---|---|---|---|---|
| | PRESSURE/TEMPERATURE PORT | | PIPE UNION | D## | MECHANICAL DEMOLITION NOTE, NUMBER INDICATES NOTE |
| T | TEMPERATURE GAUGE/ TEMPERATURE INDICATOR | AV | AIR VENT, AUTOMATIC | C## | MECHANICAL CONSTRUCTION NOTE, NUMBER INDICATED NOTE |
| | PRESSURE GAUGE | | AIR VENT, MANUAL | VD | VOLUME DAMPER |
| | BUTTERFLY VALVE | OR | PUMP OR FAN | BD | BACKDRAFT DAMPER |
| | SHUT-OFF VALVE | | STRAINER | SPS | DUCT STATIC PRESSURE SENSOR |
| | BALL VALVE | | STRAINER, BLOW OFF | MD | MOTORIZED DAMPER |
| | GLOBE VALE | FS | FLOW SWITCH | | SUPPLY OR OUTSIDE AIR DUCT OR DIFFUSER / REGISTER |
| | TWO WAY MOTORIZED CONTROL VALVE | T | SPACE TEMPERATURE SENSOR | | SUPPLY OR OUTSIDE AIR DUCT DOWN |
| | THREE WAY MOTORIZED CONTROL VALVE | P | PRESSURE SENSOR | | RETURN DUCT OR GRILLE |
| | CHECK VALVE | | DIRECTION OF FLOW | | RETURN DUCT DOWN |
| | HOSE END DRAIN | M | METER | | EXHAUST AIR DUCT OR EXHAUST GRILLE |
| | OS & Y | DIA. OR ∅ | DIAMETER | | EXHAUST AIR DUCT DOWN |
| | SAFETY RELIEF VALVE (PRESS. & TEMP.) | OR | THERMOMETER | | RETURN GRILLE |
| | DRAIN VALVE W/ HOSE COUPLING W/CAP | | PIPE TEE, OUTLET UP | FC | FLEXIBLE CONNECTION |
| | CAP | | PIPE TEE, OUTLET DOWN | | RECTANGULAR TO ROUND TRANSITION |
| | PIPE CONNECTION BOTTOM | | PIPE ELBOW, TURNED UP | | TRANSITION |
| | PIPE CONNECTION TOP | | PIPE ELBOW, TURNED DOWN | | DUCT WORK, DIRECTION OF FLOW |
| | PIPE COUPLING (JOINT) | HWS | HOT WATER SUPPLY | R | CHANGE OF ELEVATION, RISE (R) DROP (D) |
| | ELBOW, 90° | HWR | HOT WATER RETURN | | LINED DUCT WORK |
| | PIPE ELBOW, TURNED DOWN | CHWS | CHILLED WATER SUPPLY | | DIRECTION OF SUPPLY OR OUTSIDE AIR |
| | PIPE TEE | CHWR | CHILLED WATER RETURN | | DIRECTION OF RETURN OR EXHAUST AIR |
| | CALIBRATED BALANCING VALVE | | POINT OF CONNECTION | S | SMOKE DETECTOR IN DUCT (FIBO) |
| H | HUMIDISTAT/ HUMIDITY SENSOR | SMD | SMOKE DAMPER | FD/AD | FIRE DAMPER W/ ACCESS DOOR |
| H | DUCT MOUNTED HUMIDITY SENSOR | FSD | COMBINATION FIRE AND SMOKE DAMPER | | DUCT ACCESS DOOR |
| CO2 | DUCT MOUNTED CARBON DIOXIDE SENSOR | CO | CARBON MONOXIDE SENSOR | | POINT OF DISCONNECTION |
| FM | FLOW METER | CO2 | CARBON DIOXIDE SENSOR | | |
| | | NO2 | NITROGEN DIOXIDE SENSOR | | |

## ADDITION AND RENOVATION NOTES

1. THIS PROJECT IS AN EXISTING FACILITY ADDITION AND RENOVATION.
2. BEFORE SUBMITTING BIDS, THE CONTRACTOR SHALL VISIT THE SITE AND BECOME THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS UNDER WHICH THE PROJECT IS TO BE COMPLETED.
3. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY ASSUMPTIONS, OMISSIONS OR ERRORS MADE AS A RESULT ON OF THEIR FAILURE TO BECOME FULLY FAMILIAR WITH THE EXISTING CONDITIONS.
4. IT IS NOT THE INTENT OF THESE DRAWINGS TO SHOW EVERY PIECE OF EQUIPMENT, PIPING OR CONDUIT TO BE REMOVED. EQUIPMENT NOT BEING USED SHALL BE REMOVED INCLUDING ALL ASSOCIATED HANGERS, SUPPORTS, PIPES, DUCTS, CONDUITS, WIRES AND CONTROLS BACK TO THE POINT OF ORIGIN.
5. NO EQUIPMENT, PIPING OR CONDUIT SHALL BE ABANDONED IN PLACE UNLESS SPECIFICALLY NOTED.
6. PROPERLY DISPOSE OF ALL DEMOLISHED EQUIPMENT AND MATERIALS IN COMPLIANCE WITH CODES AND REGULATIONS.
7. RELOCATE EXISTING EQUIPMENT, PIPING, WIRING AND RELATED SYSTEMS TO REMAIN AS REQUIRED FOR CONSTRUCTION. EXTEND FEEDER/CONDUIT AND PROVIDE RECONNECTIONS FOR SYSTEM TO BE FULLY OPERATIONAL. ALL RELOCATED EQUIPMENT SHALL BE PROTECTED DURING CONSTRUCTION.
8. PROVIDE TEMPORARY CONNECTIONS AND SYSTEM MODIFICATIONS AS REQUIRED FOR PHASED CONSTRUCTION.
9. INCLUDE ALL WORK REQUIRED TO ALLOW STAGED CONSTRUCTION . COORDINATE WITH GENERAL CONTRACTOR/CONSTRUCTION MANAGER FOR SEQUENCE OF CONSTRUCTION REQUIREMENTS.
10. GENERAL CONTRACTOR IS RESPONSIBLE FOR PATCHING, REPAIRING, CAPPING, ETC. PER DEMOLITION AND CONSTRUCTION REQUIREMENTS.

## PIPING NOTES

1. UNLESS OTHERWISE NOTED, ALL PIPING IS OVERHEAD, TIGHT TO UNDERSIDE OF STRUCTURE OR SLAB, WITH SPACE FOR INSULATION.
2. INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES AND OTHER APPURTENANCES REQUIRING ACCESS ARE ACCESSIBLE.
3. UNIONS AND/OR FLANGES SHALL BE INSTALLED AT EACH PIECE OF EQUIPMENT, IN BYPASSES AND IN LONG PIPING RUNS (100 FEET OR MORE) TO PERMIT DISASSEMBLY FOR ALTERATION AND REPAIRS.
4. ALL PIPING WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN PIPING AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
5. PROVIDE FLEXIBLE CONNECTIONS IN ALL PIPING SYSTEMS CONNECTED TO PUMPS AND OTHER EQUIPMENT WHICH REQUIRE VIBRATION ISOLATION, EXCEPT WATER COILS. FLEXIBLE CONNECTIONS SHALL BE PROVIDED AS CLOSE TO THE EQUIPMENT AS POSSIBLE.
6. ALL PENETRATIONS THROUGH RATED WALLS, FLOORS & CEILINGS SHALL BE SEALED USING U.L. LISTED METHODS APPROPRIATE FOR INDICATED ASSEMBLY RATING.
7. PROVIDE SWING JOINTS AT ALL BRANCH CONNECTIONS TO WATER SUPPLY AND RETURN. PROVIDE ISOLATION VALVES AT ALL BRANCH CONNECTIONS.
8. PROVIDE AIR VENTS AT ALL HIGH POINTS.
9. INSTALL DRAIN VALVES WITH HOSE CONNECTION AT ALL LOW POINTS.
10. PROVIDE HOSE END CAPS WITH CHAIN ON ALL DRAIN VALVES.
11. ALL PIPING PASSING THROUGH BUILDING EXPANSION JOINTS SHALL BE PROVIDED WITH PIPING EXPANSION LOOPS.
12. ALL PIPING, VALVES AND FITTINGS SHALL BE PROVIDED WITH INSULATION FOR SERVICES REQUIRING INSULATION.
13. ALL EXISTING PIPING AND ASSOCIATED FITTINGS THAT ARE TO REMAIN TEMPORARILY AS PART OF THE CONSTRUCTION MANAGER'S STAGING PLAN AND THAT ARE AFFECTED BY ABATEMENT WORK SHALL BE PROVIDED WITH NEW INSULATION. REFER TO ABATEMENT DRAWINGS AND PROJECT MANUAL.

## PROJECT GENERAL NOTES

1. THE INTENT OF THESE CONTRACT DOCUMENTS IS FOR THE CONTRACTOR TO FURNISH AND INSTALL COMPLETE MECHANICAL AND ELECTRICAL SYSTEMS. THESE MECHANICAL AND ELECTRICAL SYSTEMS INCLUDE PLUMBING, FIRE PROTECTION, HVAC, ELECTRICAL AND ALL ASSOCIATED SPECIAL SYSTEMS. ALL SYSTEMS SHALL BE COORDINATED AND COMPLETED IN ALL RESPECTS. OPERATING, TESTED, ADJUSTED, APPROVED BY THE AUTHORITIES HAVING JURISDICTION AND READY FOR BENEFICIAL USE TO THE OWNER'S SATISFACTION.
2. THE CONTRACTOR SHALL OBTAIN AND REVIEW ALL CONTRACT DOCUMENTS, INCLUDING PROJECT MANUAL, PLANS AND SPECIFICATIONS OF ALL TRADES BEFORE SUBMITTING BID. REFER TO SPECIFICATIONS, PROJECT MANUAL AND PLANS, INCLUDING ALL EQUIPMENT SCHEDULES FOR MECHANICAL AND ELECTRICAL INFORMATION. CONTRACTOR SHALL WALK THROUGH BUILDING TO BECOME FULLY FAMILIAR WITH IT PRIOR TO SUBMITTING BID.
3. ALL OF THE CONTRACT DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY TO FORM A TOTAL DESIGN PACKAGE. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR/CONSTRUCTION MANAGER TO DETERMINE WHICH TRADE CONTRACTOR IS RESPONSIBLE FOR VARIOUS PORTIONS OF THE WORK.
4. ALL WORK AND ACTION DEPICTED AND DESCRIBED SHALL BE PERFORMED BY THE CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE.
5. PROVIDE SUPPORT/BRACING OF EQUIPMENT AND BUILDING SERVICES FOR SEISMIC RESTRAINT AS REQUIRED BY CODE.
6. OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS.
7. ALL EQUIPMENT, MATERIALS AND RELATED SYSTEM COMPONENTS SHALL BE NEW UNLESS SPECIFICALLY NOTED OTHERWISE.
8. REPAIR AND/OR REPLACE AT NO COST TO OWNER ALL EQUIPMENT AND MATERIALS DAMAGED DURING CONSTRUCTION.
9. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. THE CONTRACTOR SHALL COORDINATE LOCATIONS OF EQUIPMENT WITH ALL TRADES BEFORE STARTING CONSTRUCTION. ANY MODIFICATIONS TO THE EQUIPMENT LAYOUT REQUIRED FOR INSTALLATION ARE TO BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.
10. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION OF LIGHT FIXTURES AND MOUNTING HEIGHTS OF EQUIPMENT. INCLUSIVE OF RECEPTACLES, SWITCHES, THERMOSTATS, ETC. ALL SUCH EQUIPMENT AND COLORS SHALL BE COORDINATED WITH THE ARCHITECT. CONTACT ARCHITECT FOR CLARIFICATION OF MOUNTING REQUIREMENTS, IF INFORMATION IS NOT CONTAINED IN THE DRAWINGS.
11. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH THE APPLICABLE CODES, ORDINANCES AND THE REGULATORY AGENCIES HAVING JURISDICTION.
12. ALL EQUIPMENT, DAMPERS, VALVES, SMOKE DETECTORS, FIRE DAMPERS SHALL BE LOCATED IN ACCESSIBLE LOCATIONS. WHEN EQUIPMENT, DAMPERS, VALVES, SMOKE DETECTORS, FIRE DAMPERS MUST BE LOCATED ABOVE AN INACCESSIBLE CEILING OR WALL THEN AN APPROPRIATE ACCESS DOOR / PANEL SHALL BE PROVIDED. THESE SHALL BE COORDINATED WITH THE ARCHITECT AND SUITABLE FOR THE ASSEMBLY RATING BEING PENETRATED.
13. WHEN CONFLICTS OCCUR BETWEEN THE DRAWINGS AND/OR SPECIFICATIONS IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. THE CONTRACTOR SHALL CARRY AS PART OF THE BID THE LARGER QUANTITY AND/OR MORE EXPENSIVE ITEM(S).
14. CONTRACTORS SHALL COORDINATE THEIR WORK WITH ALL OWNER-FURNISHED EQUIPMENT, INCLUDING REQUIRED SERVICE CONNECTIONS, RECEPTACLES, ETC. BEFORE INSTALLATION.
15. CONTRACTORS SHALL PROVIDE ALL REQUIRED SLEEVES AND SEALS FOR PIPES OR CONDUIT PENETRATING WALLS OR SLABS WITH FIRE STOPPING SEALANT WHERE REQUIRED.
16. ELECTRICAL CONDUITS & BOXES TO BE CONCEALED IN WALLS OR ABOVE CEILING WHEREVER POSSIBLE.
17. COORDINATE ALL PIPING AND CONDUITS LEAVING THE BUILDING WITH THE SITE CONTRACTOR(S) BEFORE INSTALLATION.
18. PROVIDE VIBRATION ISOLATION FOR ALL MECHANICAL EQUIPMENT.
19. PROVIDE VIBRATION ISOLATORS FOR ALL PIPING SUPPORTS CONNECTED TO AND WITHIN 50 FEET OF ISOLATED EQUIPMENT THROUGHOUT MECHANICAL EQUIPMENT ROOMS.
20. LOCATE ALL TEMPERATURE, PRESSURE AND FLOW MEASURING DEVICES IN VISIBLE AND ACCESSIBLE LOCATIONS WITH STRAIGHT SECTION OF PIPE OR DUCT UP/DOWN STREAM AS RECOMMENDED BY THE MANUFACTURER FOR GOOD ACCURACY.
21. ALL EQUIPMENT, PIPING, AND DUCT WORK SHALL BE SUPPORTED AS DETAILED, SPECIFIED AND REQUIRED TO PROVIDE A VIBRATION FREE INSTALLATION.
22. LOCATION AND SIZES OF ALL FLOOR, WALL AND ROOF PENETRATIONS SHALL BE COORDINATED WITH ALL OTHER TRADES INVOLVED.
23. INSTALL COMPLETE OPERATING SYSTEMS. PROVIDE ALL COMPONENTS, DEVICES, CONTROLS, RELAYS, TRANSFORMERS, ETC., WHETHER INDICATED OR NOT, FOR COMPLETE SYSTEMS AS INTENDED BY THE CONSTRUCTION DOCUMENTS.
24. ALL NEW EQUIPMENT SPECIFIED IN THE SCHEDULES SHALL BE CONNECTED TO THE BMCS.
25. SOME PART OF THE BUILDING WILL BE OCCUPIED DURING CONSTRUCTION. REFER TO PHASING PLAN FOR MORE INFORMATION. MAINTAIN EXISTING SERVICES TO OCCUPIED AREAS. SEAL ALL DUCTWORK AND VENTILATION OPENINGS COMMUNICATING CONSTRUCTION AREAS WITH OCCUPIED AREAS TO PREVENT THE TRANSFER OF AIR CONTAMINATED BY CONSTRUCTION ACTIVITIES.
26. ALL PENETRATIONS THRU RATED WALLS, FLOORS & CEILINGS SHALL BE SEALED USING U.L. LISTED METHODS APPROPRIATE FOR INDICATED RATING.

## HVAC NOTES

1. PIPING AND DUCT WORK LAYOUTS AS INDICATED ON THE DRAWINGS ARE DIAGRAMMATIC; PROVIDE ADDITIONAL TRANSITIONS AND OFFSETS AS REQUIRED FOR COORDINATION WITH BUILDING CONSTRUCTION AND THE WORK OF OTHER TRADES AT NO ADDITIONAL COST TO THE OWNER.
2. PROVIDE VOLUME DAMPERS, THROTTLING VALVES AND ISOLATION VALVES AS SPECIFIED AND/OR AS INDICATED ON THE DRAWINGS.
3. PROVIDE FIRE DAMPERS AT DUCT PENETRATIONS OF FIRE RATED PARTITIONS.
4. PROVIDE SMOKE DETECTORS ON THE SUPPLY AND RETURN DUCTWORK OF ALL AIR HANDLING EQUIPMENT 2000 CFM AND OVER.
5. ALL MOTORS AND EQUIPMENT SHALL BE OF EFFICIENCIES THAT ARE ELIGIBLE FOR UTILITY COMPANY ENERGY INCENTIVE PROGRAMS. THE BMCS SHALL BE COMPLETE IN ALL REGARDS, TESTED AND CAPABLE OF ACHIEVING THE SEQUENCES OF OPERATION. ALL DEVICES SHALL BE UNDER SYSTEM CONTROL. ALL ZONES SHALL BE THERMOSTATICALLY CONTROLLED WHETHER OR NOT A THERMOSTAT, SENSOR OR CONTROLLER IS INDICATED.
6. THE ABUILDING MANAGEMENT AND CONTROL SYSTEM SHALL BE COMPLETE IN ALL REGARDS, TESTED AND CAPABLE OF ACHIEVING THE SEQUENCES OF OPERATION. ALL DEVICES SHALL BE UNDER SYSTEM CONTROL. ALL ZONES SHALL BE THERMOSTATICALLY CONTROLLED WHETHER OR NOT A THERMOSTAT, SENSOR OR CONTROLLER IS INDICATED.
7. MAINTAIN MANUFACTURER'S RECOMMENDED MINIMUM CLEARANCES FOR INSTALLATION OF EQUIPMENT.
8. INSULATED FLEXIBLE DUCT RUNS SHALL NOT BE LONGER THAN 5 FT AND SHALL TERMINATE AT A 90 DEGREE ELBOW MATCHING THE NECK SIZE OF THE DIFFUSER IT SERVES.
9. PROVIDE VANDAL RESISTANT COVERS ON THERMOSTATS, AS NOTED.
10. ALL DUCTWORK DIMENSIONS, AS SHOWN ON THE DRAWINGS, ARE INTERNAL CLEAR DIMENSIONS AND DUCT SIZE SHALL BE INCREASED TO COMPENSATE FOR DUCT LINING THICKNESS.
11. PROVIDE ALL 90 DEGREE SQUARE ELBOWS WITH DOUBLE WALL TURNING VANES UNLESS OTHERWISE INDICATED. UNVANED ELBOWS SHALL BE SMOOTH RADIUS CONSTRUCTION WITH A RADIUS EQUAL TO 1-1/2 TIMES THE WIDTH OF THE DUCT. PROVIDE ACCESS DOORS UPSTREAM OF ALL ELBOWS WITH TURNING VANES.
12. COORDINATE DIFFUSER, REGISTER AND GRILLE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS, LIGHTING AND OTHER CEILING ITEMS.
13. PROVIDE INSULATED FLEXIBLE CONNECTIONS IN ALL DUCTWORK SYSTEMS CONNECTED TO AIR HANDLING UNITS,FANS AND OTHER EQUIPMENT WHICH REQUIRE VIBRATION ISOLATION. FLEXIBLE CONNECTIONS SHALL BE AT THE POINT OF CONNECTION TO THE EQUIPMENT UNLESS OTHERWISE INDICATED.
14. PROVIDE INSULATED FLEXIBLE CONNECTIONS IN ALL DUCTWORK PASSING THROUGH BUILDING SEISMIC EXPANSION JOINTS.
15. ALL DUCTWORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN DUCTS, INCLUDING DIVIDED DUCTS AND TRANSITIONS AROUND OBSTRUCTIONS, SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
16. PROVIDE ACCESS DOORS IN DUCTWORK TO PROVIDE ACCESS FOR ALL SMOKE DETECTORS, FIRE DAMPERS, SMOKE DAMPERS, VOLUME DAMPERS, COILS AND OTHER ITEMS LOCATED IN DUCTWORK WHICH REQUIRE SERVICE OR INSPECTION.
17. DUCTWORK SHALL BE PRESSURE TESTED AND SEALED FOR LEAKAGE IN ACCORDANCE WITH THE CODE.
18. THE SUPPLY AIR SYSTEM SHALL BE PURGED TO ENSURE ALL FOREIGN PARTICLES ARE REMOVED PRIOR TO FINAL CONNECTION OF SUPPLY AIR DIFFUSERS.
19. ALL ELBOWS AND TEES FROM DOWNFLOW ROOF MOUNTED UNITS SHALL BE WRAPPED WITH A SOUND LAGGING MATERIAL.
20. ALL SUPPLY, RETURN AND OUTSIDE AIR DUCTWORK AND PLENUMS SHALL BE PROVIDED WITH INSULATION.

## MECHANICAL DRAWING LIST


| | |
|---|---|
| M001 | MECH GENERAL NOTES, ABBREVIATIONS, AND LEGENDS |
| M011 | MECH FIRST FLOOR DUCT DEMO PART PLAN |
| M021 | MECH FIRST FLOOR PIPING DEMO PART PLAN |
| M111 | MECH FIRST FLOOR DUCT PART PLAN |
| M112 | MECH ROOF DUCT PART PLAN |
| M211 | MECH FIRST FLOOR PIPING PART PLAN |
| M212 | MECH ROOF PIPING PLAN |
| M500 | MECH SCHEDULES |
| M501 | MECH SCHEDULES |
| M600 | MECH DETAILS |
| M601 | MECH DETAILS |
| M602 | MECH DETAILS |


## REFERENCE AS-BUILT DRAWING LIST

| | |
|---|---|
| SM-A-1.1 | PART A FIRST FLOOR HVAC PLAN |
| SM-A-1.2 | PART A FIRST FLOOR HVAC PLAN |
| SM-A-2.1 | PART A SECOND FLOOR HVAC PLAN |
| SM-A-2.2 | PART A SECOND FLOOR HVAC PLAN |
| SM-B-1.1 | PART B FIRST FLOOR HVAC PLAN |
| SM-B-1.2 | PART B FIRST FLOOR HVAC PLAN |
| SM-B-2.2 | PART B SECOND FLOOR HVAC PLAN |

AS BUILT DRAWINGS ARE FOR REFERENCE ONLY

PROJECT TITLE:

INTERIOR RENOVATION AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 065525


SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com


| REVISION: | DESCRIPTION: | DATE: | REVISED BY: |
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DRAWING TITLE:
MECH GENERAL NOTES, ABBREVIATIONS, AND LEGENDS

PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/26

STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: 1/8" = 1'-0"
DRAWN BY: M.Burwell/ W. Yaremich
PROJECT NUMBER: 23.195

DRAWING NUMBER: M001

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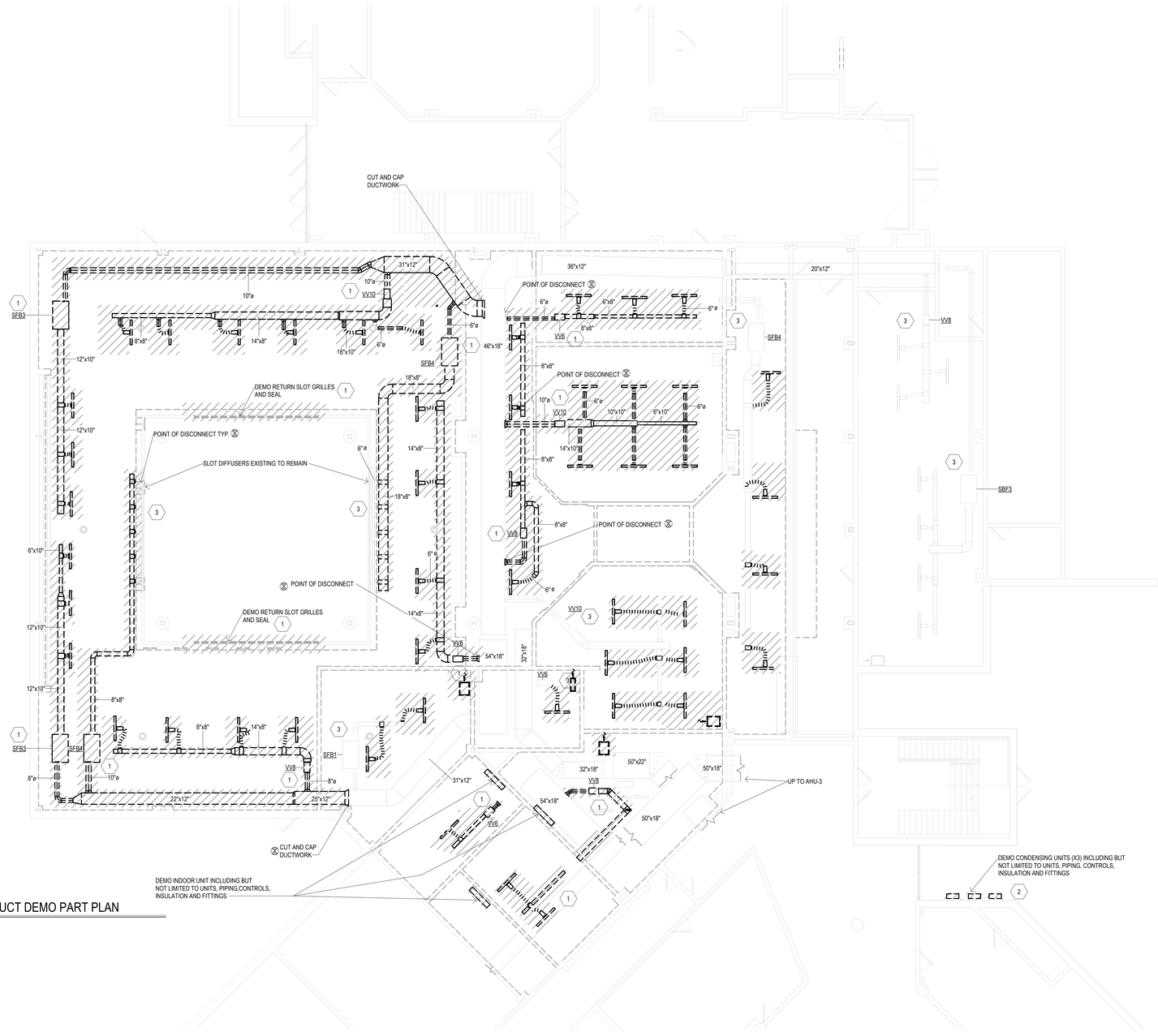


1 FIRST FLOOR DUCT DEMO PART PLAN

1/8" = 1'-0"

## DEMOLITION LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | EXISTING PIPING, DUCTWORK, OR EQUIPMENT TO BE REMOVED |
| | EXISTING GRILLE TO BE REMOVED |
| | EXISTING REGISTER/DIFFUSER TO BE REMOVED |
| | EXISTING EQUIPMENT/PIPE/DUCT TO REMAIN |
| D## | DEMOLITION KEYNOTE TAG |

## DEMOLITION GENERAL NOTES

1. THE INTENT OF THIS DOCUMENT IS FOR THE CONTRACTOR TO REMOVE ALL EXISTING MECHANICAL EQUIPMENT, HOT WATER SUPPLY AND RETURN PIPING, SPECIALTIES AND ALL ASSOCIATED INSULATION AND HANGERS, DUCTWORK AND ASSOCIATED ACCESSORIES AND CONTROLS EXCEPT WHERE NOTED TO REMAIN.
2. THE DEMOLITION NOTES ARE FOR DESCRIPTIVE GUIDE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL ITEMS WHETHER OR NOT INDICATED AND/ OR NOTED ON THE DRAWINGS. LOCATIONS AND QUANTITIES SHOWN ON THE DEMOLITION DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY THE FULL EXTENT OF WORK.
3. CONSTRUCTION WILL BE COMPLETED IN PHASES. ALL EXISTING PIPING WILL BE REUSED UNTIL THEY ARE READY TO BE DEMOLISHED. REFER TO CONSTRUCTION MANAGER'S PHASING PLAN.
4. NO WORK SHALL BE LEFT INCOMPLETE NOR ANY HAZARDOUS SITUATIONS CREATED WHICH WILL AFFECT THE LIFE OR SAFETY OF THE PUBLIC AND/OR BUILDING OCCUPANTS. AT NO TIME SHALL THE WORK INTERFERE WITH OR CUTOFF ANY OF THE EXISTING SERVICES WITHOUR THE OWNER'S WRITTEN PERMISSION.
5. WHEN NECESSARY TO TEMPORARILY DISCONNECT ANY EXISTING BUILDING UTILITIES AND PIPING SYSTEM, CONFER WITH THE OWNER AND ARRANGE THE PERIOD OF INTERRUPTION FOR A TIME MUTUALLY AGREED UPON.
6. COORDINATE SHUTDOWN OF EXISTING SERVICES AND TAPPING OF EXISTING PIPING WITH OWNER'S MAINTENANCE PERSONNEL. NO WORK SHALL TAKE PLACE UNTIL DOING SO.
7. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THEIR WORK WITH ALL TRADES.
8. INFILL ALL EXISTING FLOOR AND WALL PENETRATIONS THAT ARE NOT GOING TO BE REUSED WITH A MATERIAL WITH THE SAME WALL RATING AS THE EXISTING WALL. REFER TO THE ARCHITECTURAL DRAWINGS.

## DEMOLITION KEY NOTES

1. EXISTING VAV TERMINAL UNIT, ASSOCIATED DUCTWORK, PIPING, DIFFUSERS, CONTROLS, SUPPORTS, HANGERS, ETC. TO BE REMOVED COMPLETELY.
2. EXISTING INDOOR FAN COIL UNIT, ASSOCIATED OUTDOOR CONDENSING UNIT, CONTROL, REFRIGERANT PIPING TO BE REMOVED COMPLETELY.
3. EXISTING VAV TERMINAL UNIT, ASSOCIATED DUCTWORK, PIPING, DIFFUSERS, CONTROL, ETC. TO REMAIN.
4. EXISTING DUCTWORK TO BE REMOVED BACK TO MAIN. EXISTING DUCT MAIN TO BE CAPPED AND SEALED AIR TIGHT.

PROJECT NORTH

PROJECT TITLE:
INTERIOR RENOVATION AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
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SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

| REVISION: | DESCRIPTION: | DATE: | REVISED BY: |
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DRAWING TITLE:
MECH FIRST FLOOR DUCT DEMO PART PLAN

PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/26

STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: As indicated
DRAWN BY: M.Burwell/ W. Yaremich
PROJECT NUMBER: 23.195

DRAWING NUMBER:
M011

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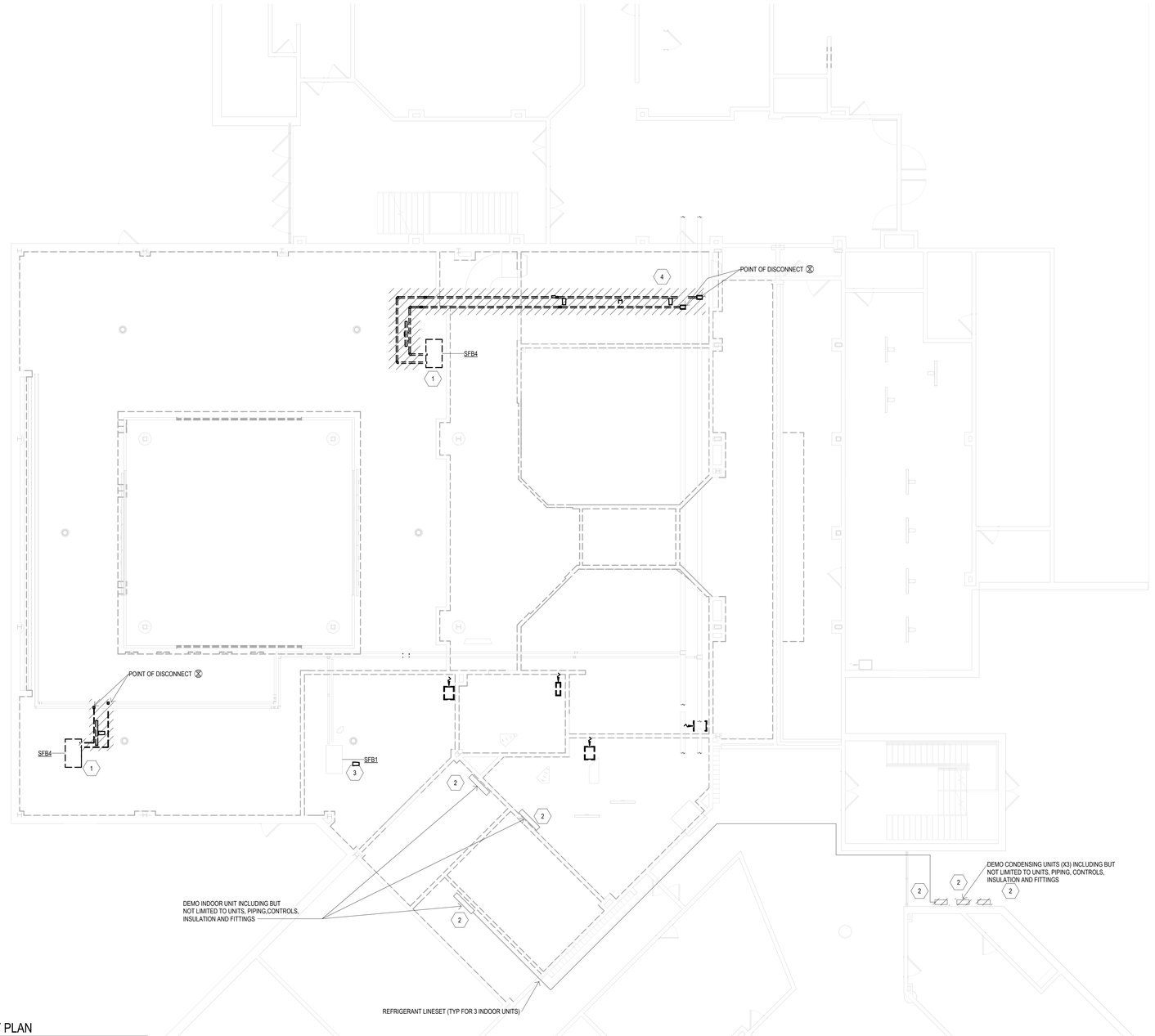


1 FIRST FLOOR PIPING DEMO PART PLAN
1/8" = 1'-0"

## DEMOLITION LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | EXISTING PIPING, DUCTWORK, OR EQUIPMENT TO BE REMOVED |
| | EXISTING GRILLE TO BE REMOVED |
| | EXISTING REGISTER/DIFFUSER TO BE REMOVED |
| | EXISTING EQUIPMENT/PIPE/DUCT TO REMAIN |
| D## | DEMOLITION KEYNOTE TAG |

## DEMOLITION GENERAL NOTES

1. THE INTENT OF THIS DOCUMENT IS FOR THE CONTRACTOR TO REMOVE ALL EXISTING MECHANICAL EQUIPMENT, HOT WATER SUPPLY AND RETURN PIPING, SPECIALTIES AND ALL ASSOCIATED INSULATION AND HANGERS, DUCTWORK AND ASSOCIATED ACCESSORIES AND CONTROLS EXCEPT WHERE NOTED TO REMAIN.
2. THE DEMOLITION NOTES ARE FOR DESCRIPTIVE GUIDE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL ITEMS WHETHER OR NOT INDICATED AND/ OR NOTED ON THE DRAWINGS. LOCATIONS AND QUANTITIES SHOWN ON THE DEMOLITION DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY THE FULL EXTENT OF WORK.
3. CONSTRUCTION WILL BE COMPLETED IN PHASES. ALL EXISTING PIPING WILL BE REUSED UNTIL THEY ARE READY TO BE DEMOLISHED. REFER TO CONSTRUCTION MANAGER'S PHASING PLAN.
4. NO WORK SHALL BE LEFT INCOMPLETE NOR ANY HAZARDOUS SITUATIONS CREATED WHICH WILL AFFECT THE LIFE OR SAFETY OF THE PUBLIC AND/OR BUILDING OCCUPANTS. AT NO TIME SHALL THE WORK INTERFERE WITH OR CUTOFF ANY OF THE EXISTING SERVICES WITHOUR THE OWNER'S WRITTEN PERMISSION.
5. WHEN NECESSARY TO TEMPORARILY DISCONNECT ANY EXISTING BUILDING UTILITIES AND PIPING SYSTEM, CONFER WITH THE OWNER AND ARRANGE THE PERIOD OF INTERRUPTION FOR A TIME MUTUALLY AGREED UPON.
6. COORDINATE SHUTDOWN OF EXISTING SERVICES AND TAPPING OF EXISTING PIPING WITH OWNER'S MAINTENANCE PERSONNEL. NO WORK SHALL TAKE PLACE UNTIL DOING SO.
7. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THEIR WORK WITH ALL TRADES.
8. ALL DUCTWORK AND PIPING INSULATION REMOVAL SHALL BE PART OF ABATEMENT WORK. REFER TO ABATEMENT DRAWINGS, PROJECT MANUAL FOR ALL EXISTING PIPING AND MECHANICAL SERVICES NOTE SHOWN HEREIN, OR CONCEALED IN THE EXISTING CONSTRUCTION. INSTALLATION OF NEW TEMPORARY INSULATION FOR ALL PIPING AFTER ABATEMENT SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
9. FOR MORE INFORMATION ON HANDLING HAZARDOUS MATERIALS, REFER TO THE ABATEMENT DRAWINGS AND PROJECT MANUAL.
10. INFILL ALL EXISTING FLOOR AND WALL PENETRATIONS THAT ARE NOT GOING TO BE REUSED WITH A MATERIAL WITH THE SAME WALL RATING AS THE EXISTING WALL. REFER TO THE ARCHITECTURAL DRAWINGS.

## DEMOLITION KEY NOTES

1. EXISTING VAV TERMINAL UNIT, ASSOCIATED PIPING, CONTROLS, SUPPORTS, HANGERS, ETC. TO BE REMOVED BACK TO MAIN AS INDICATED. PIPING TO BE CAPPED AND SEALED WATER TIGHTAT PIPE MAIN.
2. EXISTING INDOOR FAN COIL UNIT, ASSOCIATED OUTDOOR CONDENSING UNIT, CONDENSATE PUMP, CONTROL, REFRIGERANT PIPING, CONDENSATE PIPING, ETC. TO BE REMOVED COMPLETELY.
3. EXISTING HOT WATER PIPING TO BE REMOVED BACK TO MAIN. EXISTING PIPE MAIN TO BE CAPPED AND SEALED WATER TIGHT.

PROJECT NORTH

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| REVISION: | DESCRIPTION: | DATE: | REVISED BY: |
|---|---|---|---|

DRAWING TITLE:
MECH FIRST FLOOR PIPING DEMO PART PLAN
PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/26
STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: As indicated
DRAWN BY: M. Burwell/ W. Yaremich
PROJECT NUMBER: 23.195

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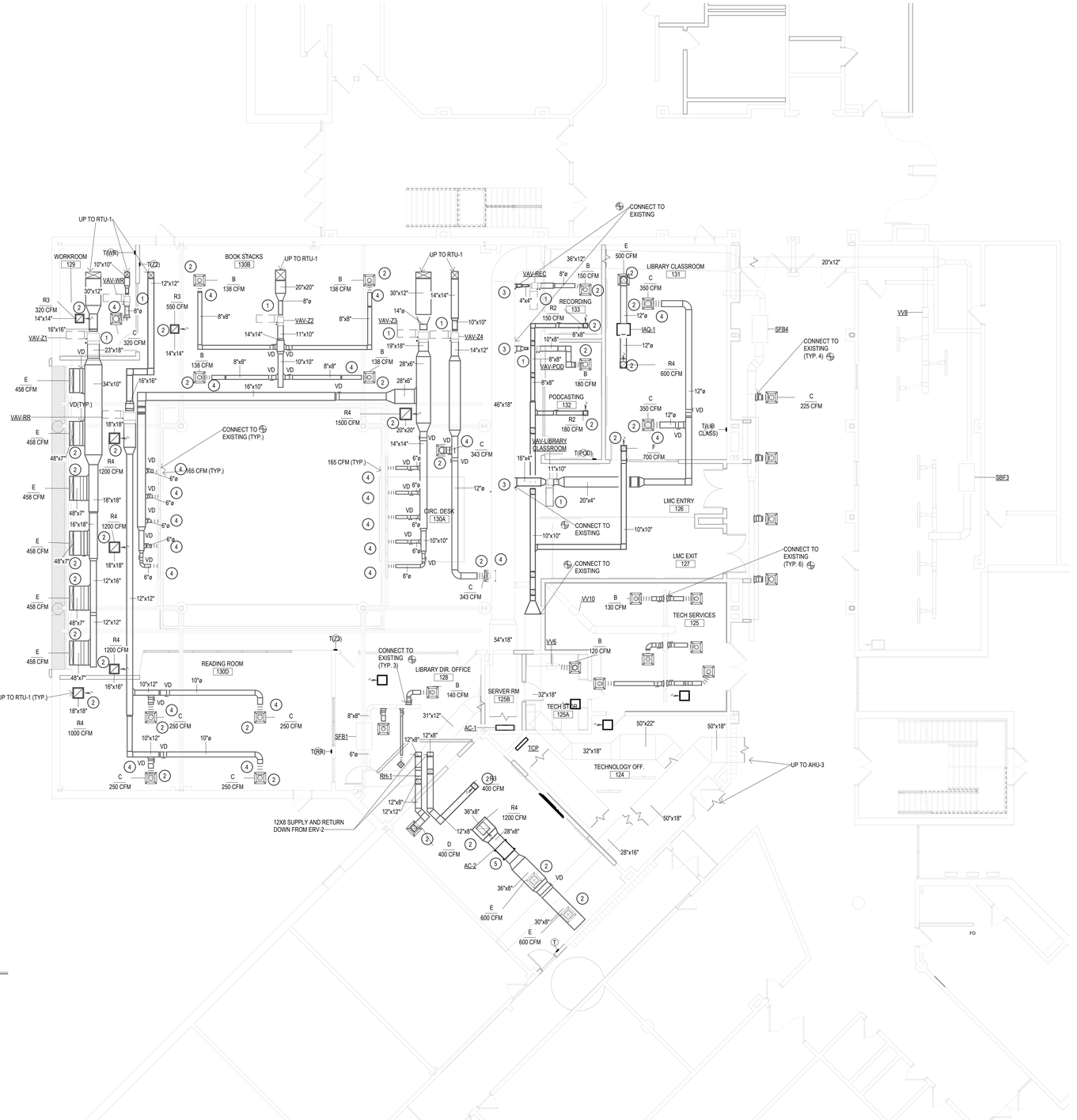



1 FIRST FLOOR DUCT PART PLAN
1/8" = 1'-0"

## CONSTRUCTION GENERAL NOTES

PLAN NOTES.

1. REFER TO DRAWING M001 FOR ADDITIONAL MECHANICAL NOTES.

2.CONTRACTOR TO PROVIDE ALL PENETRATIONS WITHIN WALLS, FLOORS, CEILINGS, ROOF, ETC. AS NECESSARY TO ACCOMODATE NEW WORK.

3. CONTRACTOR SHALL HIRE A CERTIFIED TESTING AND BALANCING (TAB) CONTRACTOR TO BALANCE ALL NEW HVAC EQUIPMENT (RTU-#, VAV-#, AC-#, ACCU-#, ERV-#, HOT WATER COILS, ETC.) AND ASSOCIATED DIFFUSERS/GRILLES TO AIR FLOWS (CFM) INDICATED ON DRAWINGS. CONTRACTOR TO ALSO REFER TO SPECIFICATION SECTION 2309593 "TESTING, ADJUSTING AND BALANCING FOR HVAC" FOR ADDITIONAL REQUIREMENTS

4. CONTRACTOR SHALL HIRE A CERTIFIED TESTING & BALANCING (TAB) CONTRACTOR TO BALANCE ALL NEW HVAC EQUIPMENT ASSOCIATED WITH HEATING PLANT SUCH AS HOT WATER COILS (DUCTED AND VAV TERMINAL UNITS) AS INDICATED IN SPECIFICATION SECTION 2309593 "TESTING, ADJUSTING AND BALANCING FOR HVAC".

5. CONTRACTOR SHALL HIRE A CERTIFIED TESTING & BALANCING (TAB) CONTRACTOR TO BALANCE EXISTING AHU-3 AND ASSOCIATED DIFFUSERS/GRILLES TO AIR FLOWS (CFM) INDICATED ON DESIGN DRAWINGS (AREAS WITHIN SP+A 'S SCOPE OF WORK) AND EXISTING SHEET METAL DRAWINGS (AREAS BEYOND SP+A 'S SCOPE OF WORK). CONTRACTOR TO BALANCE EXISTING AHU-3 SUPPLY AIR AT UNIT TO 14,900CFM AND OUTSIDE AIR TO 6,000 CFM. REFER TO DRAWING M001 FOR LIST OF EXISTING SHEET METAL SHOP DRAWINGS. CONTRACTOR TO ALSO REFER TO SPECIFICATION SECTION 2309593 "TESTING, ADJUSTING AND BALANCING FOR HVAC " FOR ADDITIONAL REQUIEMENTS.

6. ALL NEW DUCTWORK AND PIPING SHALL BE INSULATED AND LABELED. REFER TO SCHEDULES FOR INSULATION CHART. LABELS SHALL BE SELF-ADHESIVE MARKERS. LABELS SHALL BE LOCATED EVERY 20 FEET AND ON BOTH SIDES OF WALL PENETRATIONS. CONTRACTOR TO REFER TO SPECIFICATION SECTION 230700 "HVAC INSULATION"

7.SIZES ASSOCIATED WITH ACOUSTICALLY LINED DUCTWORK REPRESENTS THE INTERNAL FREE AREA DIMENSION OF THE DUCTWORK REQUIRED.

8.CONTRACTOR SHALL PROVIDE ALL CONTROL DEVICES, RELAYS, SENSORS, PANELS, TRANSFORMERS, LOW VOLTAGE WIRING, PROGRAMMABLE CONTROLLERS, PROGRAMMING, ETC. NECESSARY TO ACHIEVE THE SEQUENCE OF OPERATION INDICATED IN PROJECT MANUAL.

9.EXISTING DUCTWORK TO REMAIN SHALL BE CLEANED, TESTED FOR LEAKAGE AND SEALED AIRTIGHT. CONTRACTOR TO REFER TO SPECIFICATION SECTION 230130.51 "HVAC AIR-DISTRIBUTION SYSTEM CLEANING"

10. BOTH THE SUPPLY AND RETURN DUCTS ASSOCIATED WITH UNITS 2000 CFM AND GREATER SHALL BE EQUIPPED WITH DUCT SMOKE DETECTORS. DUCT SMOKE DETECTORS TO BE TIED INTO FIRE ALARM SYSTEM.

11. PROVIDE NEW DDC THERMOSTAT. THERMOSTAT TO BE LABELED WITH ASSOCIATED HVAC EQUIPMENT (AC-#, CUH-#, UH-#, RAD, ETC.) PRIOR TO OCCUPANCY.

## CONSTRUCTION KEY NOTES

1. INSTALL VAV IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION INCLUDING BUT NOT LIMITED TO UNIT, HOT WATER PIPING, CONTROLS AND DUCTWORK

2. INSTALL CEILING DIFFUSER OR GRILLE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION WITHING ARCHITECTURAL CEILING GRID

3. INSTALL DUCT TAKEOFF BRANCH WITH SMACNA RECOMMENDED DUCT FITTING

4. INSTALL FLEXIBLE DUCT CONNECTION WHICH LENGTH SHALL NOT EXCEED 5 FT

5. INSTALL FAN COIL UNIT IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION INCLUDING BUT NOT LIMITED TO UNIT, REFRIGEREANT PIPING, DUCTWORK, AND CONTROLS

PROJECT NORTH

PROJECT TITLE:
INTERIOR RENOVATION AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 065525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE:
MECH FIRST FLOOR DUCT PART PLAN

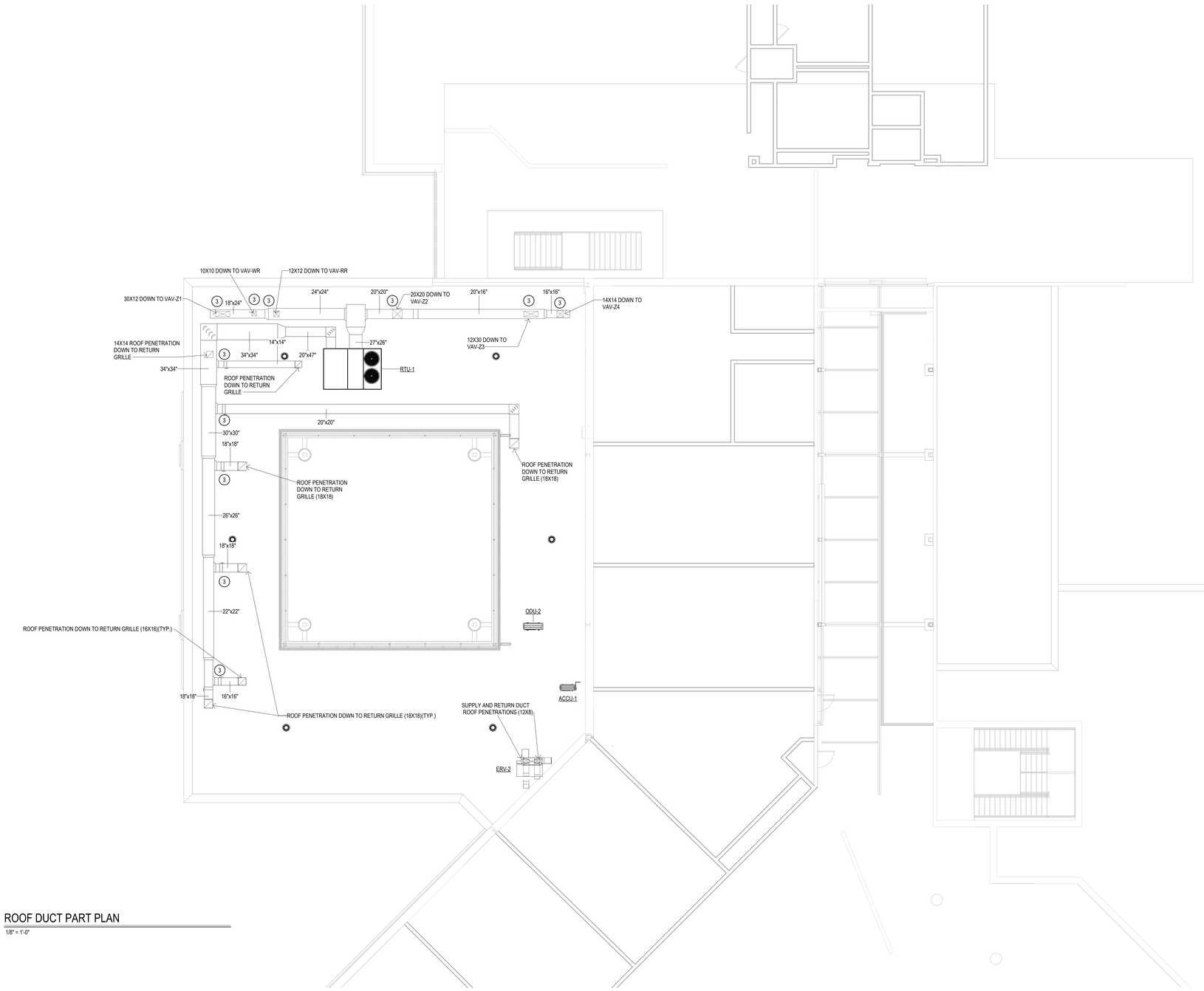
PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/26

STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: As indicated
DRAWN BY: M. Burwell/ W. Yaremich
PROJECT NUMBER: 23.195

DRAWING NUMBER:
M111

5/1/2026 9:53:01 AM




1 ROOF DUCT PART PLAN
1/8" = 1'-0"

## CONSTRUCTION GENERAL NOTES

PLAN NOTES.

1. REFER TO DRAWING M001 FOR ADDITIONAL MECHANICAL NOTES.

2.CONTRACTOR TO PROVIDE ALL PENETRATIONS WITHIN WALLS, FLOORS, CEILINGS, ROOF, ETC. AS NECESSARY TO ACCOMODATE NEW WORK.

3. CONTRACTOR SHALL HIRE A CERTIFIED TESTING AND BALANCING (TAB) CONTRACTOR TO BALANCE ALL NEW HVAC EQUIPMENT (RTU-#, VAV-#, AC-#, ACCU-#, ERV-#, HOT WATER COILS, ETC.) AND ASSOCIATED DIFFUSERS/GRILLES TO AIR FLOWS (CFM) INDICATED ON DRAWINGS. CONTRACTOR TO ALSO REFER TO SPECIFICATION SECTION 2309593 "TESTING, ADJUSTING AND BALANCING FOR HVAC" FOR ADDITIONAL REQUIREMENTS

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6. ALL NEW DUCTWORK AND PIPING SHALL BE INSULATED AND LABELED. REFER TO SCHEDULES FOR INSULATION CHART. LABELS SHALL BE SELF-ADHESIVE MARKERS. LABELS SHALL BE LOCATED EVERY 20 FEET AND ON BOTH SIDES OF WALL PENETRATIONS. CONTRACTOR TO REFER TO SPECIFICATION SECTION 230700 "HVAC INSULATION"

7.SIZES ASSOCIATED WITH ACOUSTICALLY LINED DUCTWORK REPRESENTS THE INTERNAL FREE AREA DIMENSION OF THE DUCTWORK REQUIRED.

8.CONTRACTOR SHALL PROVIDE ALL CONTROL DEVICES, RELAYS, SENSORS, PANELS, TRANSFORMERS, LOW VOLTAGE WIRING, PROGRAMMABLE CONTROLLERS, PROGRAMMING, ETC. NECESSARY TO ACHIEVE THE SEQUENCE OF OPERATION INDICATED IN PROJECT MANUAL.

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203 230 9007 silverpetrucelli.com

REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE:
MECH ROOF DUCT PART PLAN

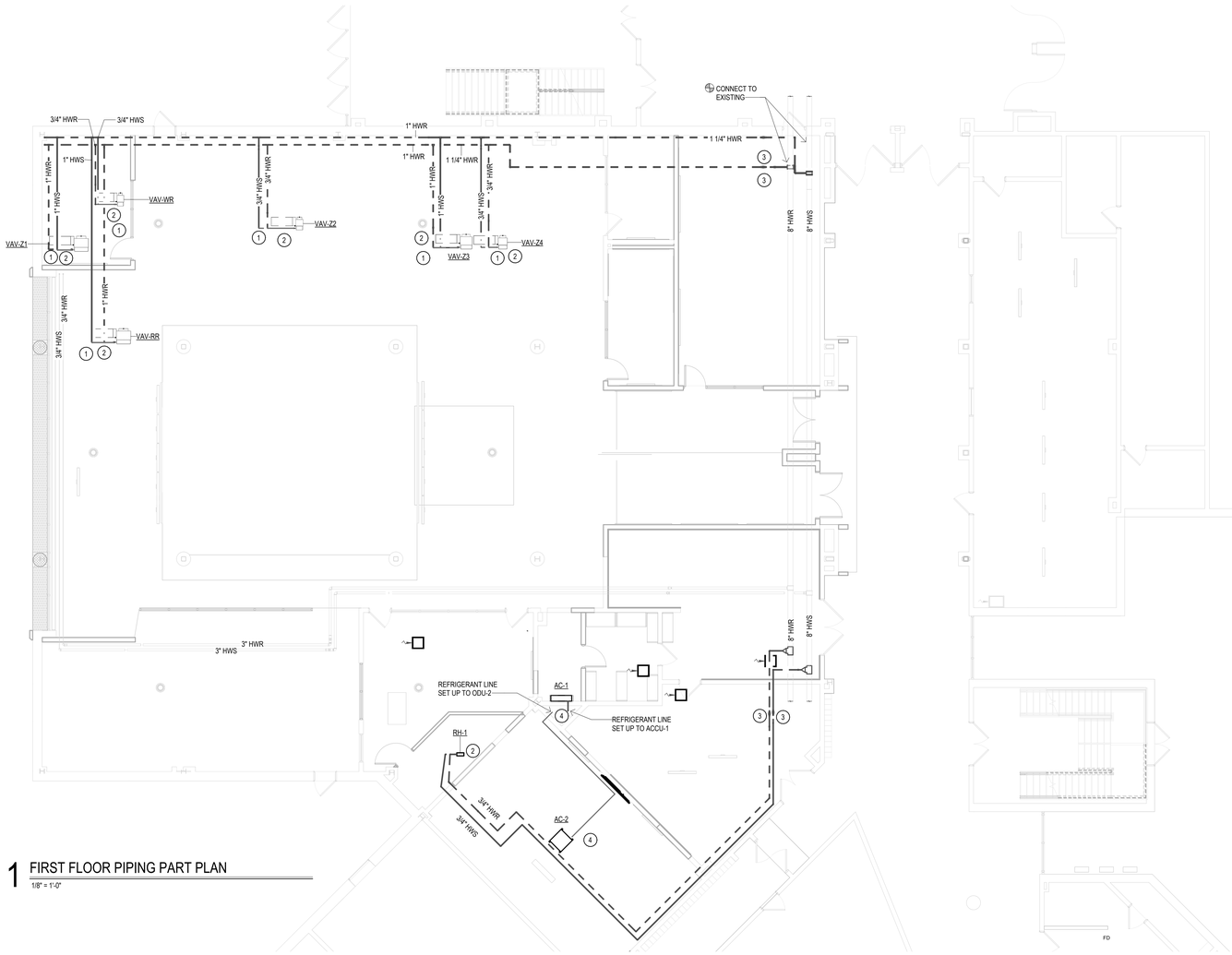
PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/26

STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: As indicated
DRAWN BY: M. Burwell/ W. Yaremich
PROJECT NUMBER: 23.195

DRAWING NUMBER: M112

5/1/2026 9:53:18 AM




1 FIRST FLOOR PIPING PART PLAN
1/8" = 1'-0"

## CONSTRUCTION GENERAL NOTES

PLAN NOTES

1. REFER TO DRAWING M001 FOR ADDITIONAL MECHANICAL NOTES.

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## CONSTRUCTION KEY NOTES

1. INSTALL HOT WATER PIPING COIL CONNECTIONS IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS

2. CONTRACTOR SHALL REFER TO DETAILS FOR REHEAT COIL PIPE CONNECTIONS AND FITTINGS (TYP FOR ALL COILS)

3. INSTALL SHUT OFF VALVES

4. INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS

PROJECT NORTH

PROJECT TITLE:
INTERIOR RENOVATION AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 065525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE: MECH FIRST FLOOR PIPING PART PLAN
PROJECT SUBMISSION: ISSUED FOR BID: 05/01/26
STATE PROJECT NUMBER: 205-0046 A

DATE: 11/07/2025
SCALE: As indicated
DRAWN BY: M. Burwell/ W. Yaremich
PROJECT NUMBER: 23.195

DRAWING NUMBER: M211

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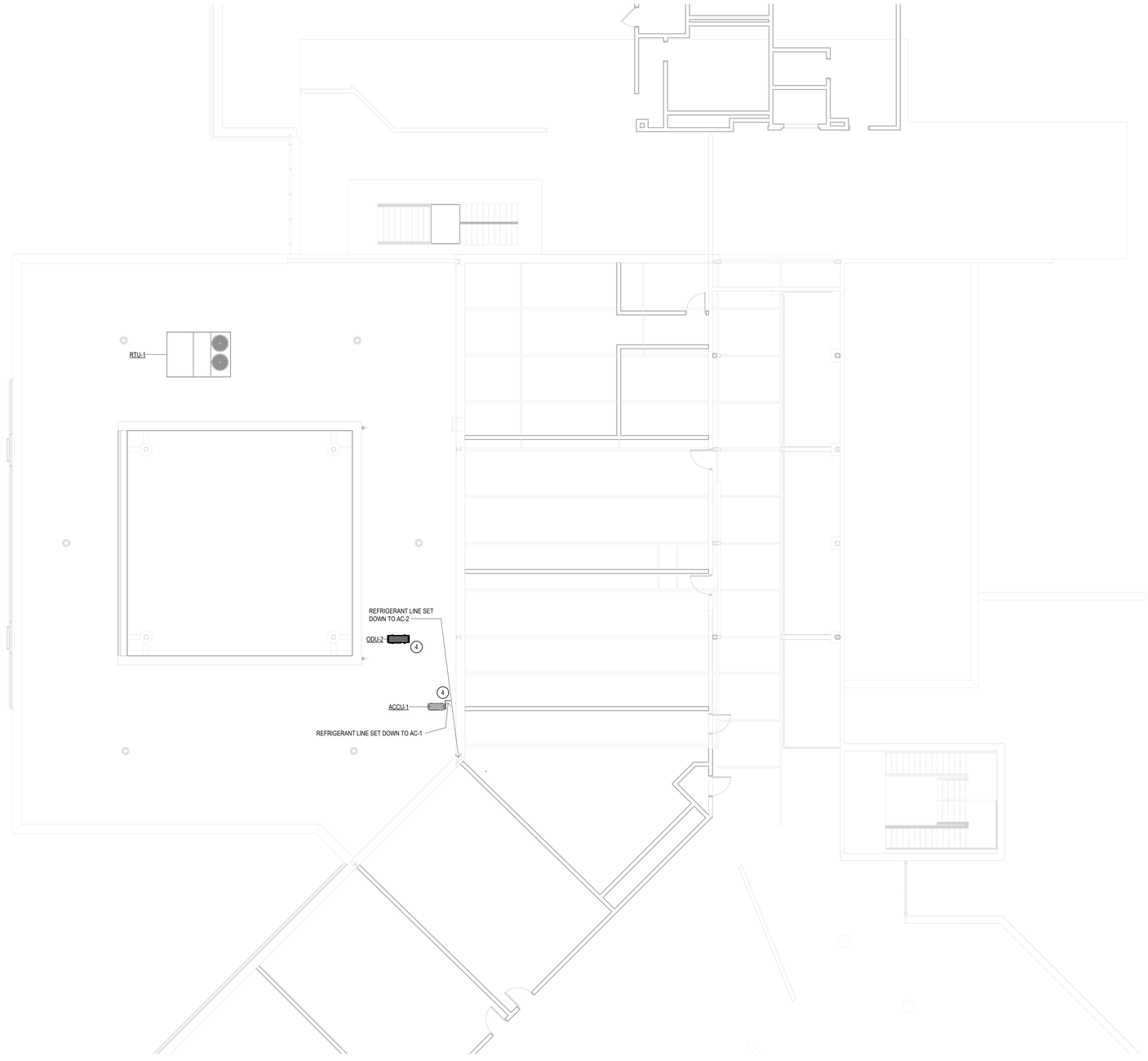


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PROJECT NORTH

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AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 065525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

| REVISION: | DESCRIPTION: | DATE: | REVISED BY: |
|---|---|---|---|

DRAWING TITLE: MECH ROOF PIPING PLAN
PROJECT SUBMISSION: ISSUED FOR BID: 05/01/26
STATE PROJECT NUMBER: 205-0046 A

DATE: 11/07/2025
SCALE: As indicated
DRAWN BY: M. Burwell/ W. Yaremich
PROJECT NUMBER: 23.195

DRAWING NUMBER: M212

5/1/2026 9:54:13 AM

## RTU SCHEDULE

| GENERAL | | | | | PHYSICAL | | OUTSIDE AIR | SUPPLY | | | | DX COOLING COIL | | | DX HEATING COIL | | | ELECTRIC HEATING SECTION | | | | HOT GAS REHEAT | | AIR COOLED CONDENSER | | | ELECTRICAL | | | | FILTERS | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARK | MAKE | MODEL | NOMINAL TONS | AREA SERVED | OPER WEIGHT (LBS) | H x W x L (FT) | MINIMUM OA (CFM) | AIRFLOW (CFM) | STATIC PRESSURE (IN WC) | | MOTOR HP (FAN/MOTOR QUANTITY) | TOTAL NET (MBH) | EAT DB/WB (F) | LAT DB/WB (F) | TOTAL MBH | EAT DB (F) | LAT DB (F) | OUTPUT CAPACITY (MBH) | kW | EAT DB (F) | LAT DB (F) | MBH | LAT (F) | PHYSICAL | PERFORMANCE | | MCA | MOP | VOLT | PHASE | | |
| | | | | | | | | | ESP | TSP | | | | | | | | | | | | | | # OF COMPRESSORS | EER | IEER / SEER | | | | | | |
| RTU-1 | TRANE | WHK240A4S0R | 20 | MEDIA CENTER | 2578 | 5.5 x 7.25 x 10.25 | - | 7000 | 1 | 1.452 | 3.02 | 240 | 80 / 67 | 56.29 / 55.45 | 111.22 | 54 | 71 | 246 | 72 | 54 | 86 | 121 | 67 | 2 | 10.9 | 16.9 | 142 | 150 | 460 | 3 | 2" PLEATED MERV 13 | SEE BELOW |

REMARKS: (ALL PRODUCTS INDICATED WITHIN SCHEDULE ARE NEW EQUIPMENT)

1. UNIT SHALL UTILIZE R-454B REFRIGERANT. R-410A AND R-22 REFRIGERANTS ARE NOT ACCEPTABLE.
2. PROVIDE COMPLETE SET OF SPARE FILTERS (TOTAL NUMBER OF FILTER SETS = 2) FOR EACH UNIT.
3. PROVIDE HOT GAS REHEAT COIL FOR DEHUMIDIFICATION CONTROL.
4. PROVIDE ALL CONTROL COMPONENT REQUIRED FOR DEMAND CONTROL VENTILATION STRATEGY.
5. FURNISH UNITS WITH SINGLE POINT POWER CONNECTION.
6. PROVIDE 20A/120V GFCI SERVICE OUTLET IN APPROPRIATE NEMA RATED BOX WITH COVER.
7. PROVIDE HAIL GUARDS, INTAKE AND RELIEF WEATHER HOODS.
8. PROVIDE HINGED ACCESS DOORS.
9. PROVIDE UNIT WITH 100% ECONOMIZER CAPABILITY, UTILIZING COMPARATIVE ENTHALPY CONTROL STRATEGY.
10. PROVIDE FACTORY MOUNTED VARIABLE FREQUENCY DRIVE AND DISCONNECT SWITCH FOR SUPPLY FAN AND EXHAUST FAN.
11. PROVIDE 16" HIGH THYBAR CORPORATION ACOUSTICAL SEISMIC ROOF CURBS WITH MANSON INSULATION (2" ALLEY KAT AIR DUCT BOARD). PROVIDE PLENUM CURB TO MATCH ROOF PENETRATIONS.
12. PROVIDE STAINLESS STEEL HEAT EXCHANGERS AND DRAIN PANS.
13. UNITS SHALL BE EQUIPPED WITH MULTIPLE COMPRESSORS.
14. PROVIDE POWER EXHAUST.
15. EQUIPMENT MUST BE PURCHASED FROM A COMMERCIAL SALES OFFICE THAT OFFERS FULL SALES, TECHNICAL SUPPORT AND HAS FULL SERVICE OPERATION WITH A MINIMUM OF (10) SERVICE TRUCKS. THE COMMERCIAL SALES OFFICE SHALL HAVE ACCESS TO ELECTRONIC SALES, SERVICE AND TECHNICAL SOFTWARE FOR COMPLETE SUBMITTAL PACKAGES AND AFTER-MARKET SUPPORT.
16. PROVIDE CONTROL AND MONITORING CAPABILITY THROUGH A BUILDING MANAGEMENT CONTROL SYSTEM.
17. PROVIDE FACTORY MOUNTED BACNET DDC UNIT CONTROLLER.
18. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
19. REFER TO MANUFACTURER INSTALLATION, STARTUP AND COMMISSIONING DETAILS.
20. PROVIDE SPRING ISOLATED ROOF CURBS, REFER TO MANUFACTURER INSTALLATION DETAILS, COORDINATE WITH EXISTING ROOF MANUFACTURER TO ENSURE INSTALLATION OF NEW CURBS SHALL MAINTAIN WEATHER-TIGHTNESS AND ROOF WARRANTY.REFER TO SPECIFICATION SECTION FOR MORE INFORMATION.
21. DIRECT DRIVE FC CENTRIFUGAL EXHAUST FAN
22. CONTRACTOR SHALL PROVIDE EXHAUST OF RETURN AIR, WHEN USING AN ECONOMIZER

## DUCT MATERIAL SCHEDULE

| APPLICATION | SUPPLY | RETURN | EXHAUST |
|---|---|---|---|
| TYPICAL (UNLESS OTHERWISE SPECIFIED) | G90 GALVANIZED STEEL | G90 GALVANIZED STEEL | G90 GALVANIZED STEEL |
| 10 FT UPSTREAM AND DOWNSTREAM OF DUCT MOUNTED HUMIDIFIER DISPERSION TUBE OR DISPERSION GRID. | 3003 H-14 ALUMINUM | 3003 H-14 ALUMINUM | 3003 H-14 ALUMINUM |
| OUTDOOR AIR INTAKE PLENUM | 3003 H-14 ALUMINUM- | | -- |
| OUTDOOR AIR | 3003 H-14 ALUMINUM- | | -- |
| EXPOSED AND CONCEALED EXHAUST DUCTWORK AND PLENUMS SERVING TOILET ROOMS, SHOWER ROOMS, CLOTHES DRYER. ALL DUCTWORK RUNNING THROUGH, OVER OR SERVING SHOWER ROOMS, HATCHERIES, AND ALL SPACES WITH OPEN TANKS. | 3003 H-14 ALUMINUM | 3003 H-14 ALUMINUM | 3003 H-14 ALUMINUM |
| EXPOSED DUCTWORK LOCATED IN AND SERVING AIR-CONDITIONED SPACES TO BE FIELD PAINTED OTHER THAN DUCTWORK LOCATED IN SPACES REQUIRED TO BE ALUMINUM. | A60 GALVANNEALED STEEL | A60 GALVANNEALED STEEL | A60 GALVANNEALED STEEL |
| EXPOSED DUCTWORK LOCATED IN AND SERVING CONDITIONED SPACES OTHER THAN DUCTWORK LOCATED IN SPACES REQUIRED TO BE ALUMINUM. | G90 GALVANIZED STEEL | G90 GALVANIZED STEEL | G90 GALVANIZED STEEL |
| EXPOSED DUCTWORK LOCATED IN AND SERVING CONDITIONED SPACES OTHER THAN DUCTWORK LOCATED IN SPACES REQUIRED TO BE ALUMINUM OR TO BE FIELD PAINTED. | G90 GALVANIZED STEEL | G90 GALVANIZED STEEL | G90 GALVANIZED STEEL |
| 1. DUCT CONSTRUCTION SHALL MEET SMACNA "HVAC DUCT CONSTRUCTION STANDARDS METAL & FLEXIBLE" 2020 4TH EDITION STANDARDS. | | | |

## REGISTERS, GRILLES & DIFFUSERS

| SYM | SERVICE | TYPE | MAKE | MODEL | MATERIAL FINISH | NECK SIZE (W"xH") | FACE SIZE (W"xH") | CFM RANGE | BORDER TYPE | NC LEVEL (MAXIMUM) | ACCESSORIES | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | SUPPLY | CD | PRICE | SCD | STEEL | 6"Ø | 24x24 | 0-100 | REFER TO ARCH | 25 | | SEE BELOW |
| B | SUPPLY | CD | PRICE | SCD | STEEL | 6"Ø-10"Ø | 24x24 | 101-220 | REFER TO ARCH | 25 | | SEE BELOW |
| C | SUPPLY | CD | PRICE | SCD | STEEL | 10"Ø-12"Ø | 24x24 | 221-350 | REFER TO ARCH | 25 | | SEE BELOW |
| D | SUPPLY | CD | PRICE | SCD | STEEL | 12"Ø-16"Ø | 24x24 | 351-470 | REFER TO ARCH | 25 | | SEE BELOW |
| E | SUPPLY | CD | PRICE | SCD | STEEL | 5 SLOT (0.5" EACH), 15" Ø | 48X2.5, 24X24 | 471-640 | REFER TO ARCH | 25 | | SEE BELOW |
| F | SUPPLY | CD | PRICE | SCD | STEEL | 16"Ø | 24x24 | 641-840 | REFER TO ARCH | 25 | | SEE BELOW |
| R1 | EXHAUST / RETURN | CG | PRICE | 80FF | STEEL | 6x6 | 8x8 | 0-100 | REFER TO ARCH | 25 | | SEE BELOW |
| R2 | EXHAUST / RETURN | CG | PRICE | 80FF | STEEL | 8x8 | 10x10 | 101-200 | REFER TO ARCH | 25 | | SEE BELOW |
| R3 | EXHAUST / RETURN | CG | PRICE | 80FF | STEEL | 10X10,14X14, 20X16 | 10X10,14X14, 20X16 | 201-450 | REFER TO ARCH | 25 | | SEE BELOW |
| R4 | EXHAUST / RETURN | CG | PRICE | 80FF | STEEL | 18X18,20X20, 12X12 | 18X18,20X20, 12X12 | 401-1800 | REFER TO ARCH | 25 | | SEE BELOW |
| G | SUPPLY | LD | PRICE | 80FF | STEEL | 10"Ø | 3-SLOT 1" WIDTH | 0-299 | REFER TO ARCH | 25 | | SEE BELOW |

REMARKS:

1. PROVIDE ALL NECESSARY ACCESSORIES FOR INSTALLATION INTO ARCHITECTURAL CEILING. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.

## ENERGY RECOVERY VENTILATOR SCHEDULE

| TAG | AREA SERVED | MANUFACTURER AND MODEL | ELECTRICAL | | | ENERGY RECOVERY HEAT EXCHANGER | | | | | | | | | | | | UNIT WEIGHT (LBS) | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | VOLTS / PHS / HZ | MCA | MOP | TYPE | OA CFM | EXH CFM | MAX PD (IN.WG.) | SUMMER OA/SUPPLY | | SUMMER RETURN | | WINTER OA/SUPPLY | | WINTER RETURN | | | |
| | | | | | | | | | | EAT °F DB / WB | LAT °F DB / WB | EAT °F DB / WB | TOTAL EFFECTIVE | EAT °F DB / WB | LAT °F DB / WB | EAT °F DB / WB | TOTAL EFFECTIVE | | |
| ERV-2 | NON LIBRARY CLASSROOM | RENEW AIRE HE-07 | 208-230 /1Ø/ 60 | 6.2 | 15 | STATIC PLATE | 411 | 411 | 0.75 | 90.6/73.8 | 79.2/67.9 | 75.0/55.4 | 50.9% | 0/-2.0 | 79.7 / 68.4 | 70.0/51.5 | 71.6% | 253 | 1,2 |

NOTES:
1. ENERGY WHEEL CROSS LEAKAGE SHALL BE LESS THAN 10%.
2. FURNISH WITH MANUFACTURER RECOMMENDED SUPPORTS

## DUCT INSULATION SCHEDULE

| SYSTEM | INSULATION TYPE | MINIMUM INSTALLED INSULATION VALUES | NOMINAL DENSITY |
|---|---|---|---|
| INDOOR DUCT/PLENUM<br>CONCEALED SA, RA, OA: OTHER THAN PRE-MANUFACTURED LINEAR SUPPLY AND RETURN GRILLE PLENUMS. | MINERAL FIBER BLANKET | R-6 | 3/4 LB/FT$^3$ |
| | MINERAL FIBER BOARD WITH REFLECTIVE VAPOR BARRIER. | R-6 | 3 LB/FT$^3$ |
| INDOOR DUCT/PLENUM<br>EXPOSED SA AND RA: LOCATED IN MECHANICAL ROOMS, OTHER NON-OCCUPIED SPACES, NON-AIR CONDITIONED SPACES, PASSING THROUGH AIR CONDITIONED SPACES. | MINERAL FIBER BOARD WITH REFLECTIVE VAPOR BARRIER. | R-6 | 3 LB/FT$^3$ |
| INDOOR DUCT/PLENUM<br>EXPOSED OA: ALL SPACES OTHER THAN ATTICS AND CRAWLSPACES | MINERAL FIBER BOARD WITH REFLECTIVE VAPORBARRIER. | R-6 | 3 LB/FT$^3$ |
| INDOOR DUCT/PLENUM<br>EXPOSED SA, RA, OA, EA: ALL ATTIC SPACES AND CRAWL SPACES | MINERAL FIBER BLANKET | R-12 | 3/4 LB/FT$^3$ |
| | MINERAL FIBER BOARD WITH REFLECTIVE VAPOR BARRIER. | R-12 | 3 LB/FT$^3$ |
| INDOOR DUCT/PLENUM<br>EXPOSED SA AND RA: LOCATED WITHIN THE AIR-CONDITIONED SPACE IT SERVES | NONE; UNLESS OTHERWISE NOTED ON THE DRAWINGS OR IN THE SPECIFICATION | -- | -- |
| DUCT LINING<br>DUCTS INSTALLED OUTDOORS, ALL ATTIC SPACES AND CRAWL SPACES SA AND RA. SA AND RA DUCTWORK WHERE INDICATED ON THE DRAWINGS AND IN THE SPECIFICATION, 15 FT DONWSTREAM OF SUPPLY FANS, RETURN FANS AND 10FT DOWNSTREAM OF TERMINAL BOXES WHETHER INDICATED OR NOT | FIBROUS-GLASS DUCT LINER WITH CLEANABLE COMPOSITE COATING ON AIRSTREAM SIDE. METAL NOSING SHALL BE FURNISHED ON ALL LEADING AND LEAVING EDGES.(REFER TO NOTES #2, # 4) | R-12 | 3 LB/FT$^3$ |
| DUCT LINING<br>DUCTS INSTALLED IN INDOOR SPACES: EXPOSED AND CONCEALED SA OR RA DUCTWORK WHERE INDICATED ON THE DRAWINGS AND IN THE SPECIFICATION, 15 FT DOWNSTREAT OF SUPPLY FANS, RETURN FANS AND 10 FT DOWNSTREAM OF TERMINAL BOXES WHETHER INDICATED OR NOT. | FIBROUS-GLASS DUCT LINER WITH CLEANABLE COMPOSITE COATING ON AIRSTREAM SIDE. METAL NOSING SHALL BE FURNISHED ON ALL LEADING AND LEAVING EDGES. (REFER TO NOTES #2, #4) | R-6 | 3 LB/FT$^3$ |

1. FOR OUTDOOR DUCTWORK PROVIDE A PRE-MANUFACTURED SELF ADHERING PRODUCT WITH AN UV RESISTANT, STUCCO EMBOSSED FACING. WATER VAPOR TRANSMISSION OF THE INSTALLED PRODUCT SHALL BE .020 PERMS OR LESS. PRODUCT SHALL BE SUITABLE FOR COTINUOUS USE IN LOW TEMPERATURES OF -10 DEG F, MANUFACTURER'S SHALL BE SIMILAR TO FLEX-CLAD 400, MFM BUILDING PRODUCTS CORP, OR ALUMAGUARD 60, POLYGUARD PRODUCTS INC.
2. DUCT LINING SHALL NOT BE INSTALLED WITHIN 10 FT UPSTREAM OR DOWNSTREAM OF A DUCT MOUNTED HUMIDIFIER DISPERSION TUBE OR DISPERSION GRID.
3. INSULATION TYPES INDICATED IN THE SCHEDULE SHALL USED UNLESS OTHERWISE INDICATED ON THE PLANS OR SPECIFICATIONS.
4. DUCTWORK SHALL BE FIRE WRAPPED FROM THE APPLIANCE CONNECTION TO THE TERMINATION POINT.

ABBREVIATIONS:

OA = OUTDOOR AIR DUCTWORK
SA = SUPPLY AIR DUCTWORK
RA = RETURN AIR DUCTWORK
EA = EXHAUST AIR DUCTWORK

## VIBRATION-CONTROL AND SEISMIC-RESTRAINT DEVICE SCHEDULE

| EQUIPMENT | BASE | ISOLATOR* | SEISMIC RESTRAINT | DEFLECTION |
|---|---|---|---|---|
| ROOF MOUNTED AIR HANDLING UNITS | RC2 | -- | SEISMIC RESTRAINT INTEGRAL TO ROOF CURB. CURB TO BE ATTACHED TO STRUCTURE. | 2" |
| CONDENSING UNITS (GRADE AND ROOF MOUNTED) | 24" HIGH EQUIPMENT RAILS | NP | LAG BOLT TO RAIL. RAIL TO BE ATTACHED TO STRUCTURE. | 0.2" |
| VAV BOXES LESS THEN 50BLS IN WEIGHT | -- | -- | CABLE RESTRAINTS | -- |
| SUSPENDED INLINE FANS | -- | HSN | CABLE RESTRAINTS | 1.5" |
| CEILING MOUNTED FAN COIL UNITS | -- | HSN | CABLE RESTRAINTS | 1.2" |
| FAN POWERED VAV UNITS | -- | HN | CABLE RESTRAINTS | 0.25" |
| ROOF MOUNTED FANS | SRC | -- | -- | -- |
| PIPING WITHIN 50FT OF CONNECTION TO ANY PIECE OF EQUIPMENT WITH A MOTOR | -- | HSN | -- | 1.2" |
| DUCTWORK IN MECH. ROOMS OR WITHIN 50FT OF CONNECTED VIBRATION-ISOLATED EQUIPMENT | -- | HN | -- | 0.25" |

REMARKS:
1. REFER TO SPECIFICATION SECTION 230548 - "VIBRATION AND SEISMIC CONTROLS FOR HVAC PIPING AND EQUIPMENT" FOR A DESCRIPTION OF EACH VIBRATION CONTROL DEVICE.
2. (NP) - NEOPRENE PAD, (DNP) - DOUBLE NEOPRENE PAD, (FNC) - FLOOR NEOPRENE RESTRAINED MOUNTS, (FSN) - FLOOR SPRING AND NEOPRENE SPRING ISOLATOR, (FSNTL) - FLOOR SPRING AND NEOPRENE TRAVEL LIMITED RESTRAINED SPRING ISOLATOR, (HN) - NEOPRENE HANGER, (HSN) - SPRING AND NEOPRENE HANGER, (RC2) - ROOF CURB, TYPE 2, (BSF) - BASE, STEEL FRAME, (BIB) - BASE, INERTIA BASE, (FPC) - FLEXIBLE PIPE CONNECTIONS, (SRC) - SEISMIC ROOF CURB.
* IN ADDITION TO ANY INTERNAL VIBRATION ISOLATION.
** SYSTEM SHALL BE DESIGNED TO BE 90% EFFICIENT.

## PIPE HANGER SPACING TABLE

| PIPE MATERIAL | PIPE SIZES (INCHES) | HORIZONTAL PIPE MAX. HANGER DISTANCE (FT) | VERTICAL PIPE MAX. HANGER DISTANCE (FEET) |
|---|---|---|---|
| COPPER & COPPER ALLOY TUBING | 1-1/4" & SMALLER | 6'-0" | 10'-0" |
| COPPER & COPPER ALLOY TUBING | 1-1/2" & LARGER | 10'-0" | 10'-0" |
| COPPER & COPPER ALLOY PIPE | ALL | 12'-0" | 10'-0" |
| CAST IRON PIPE | ALL | 5'-0" | 15'-0" |
| STEEL PIPE | ALL | 12'-0" | 15'-0" |
| STAINLESS STEEL DRAINAGE | ALL | 10'-0" | 10'-0 ** |
| CPVC PIPE OR TUBING | 1" & SMALLER | 3'-0" | 10'-0 ** |
| CPVC PIPE OR TUBING | 1-1/4" & LARGER | 4'-0" | 10'-0 ** |
| PVC PIPE | ALL | 4'-0" | 10'-0 ** |

NOTES:(ALL PRODUCTS INDICATED WITHIN SCHEDULE ARE NEW EQUIPMENT)
MAXIMUM HORIZONTAL SPACING OF CAST IRON PIPE HANGERS SHALL BE INCREASED TO 10'-0" WHERE 10'-" LENGTHS OF PIPE ARE USED
**MIDSTORY GUIDE FOR SIZES 2" AND SMALLER
NOT ALL PIPE MATERIALS ON THIS TABLE WILL PERTAIN TO THIS PROJECT

## BRANCH PIPING TABLE

| GPM | PIPE SIZES (INCHES) |
|---|---|
| 0 TO 4.0 | 3/4" |
| 4.1 TO 8.0 | 1" |
| 8.1 TO 15.0 | 1-1/4" |
| 15.1 TO 24.0 | 1-1/2" |
| 24.1 TO 45.0 | 2" |
| 45.1 TO 80.0 | 2-1/2" |
| 80.1 TO 130.0 | 3" |
| 130.1 TO 280.0 | 4" |

PROJECT TITLE:
INTERIOR RENOVATION AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 065525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE: MECH SCHEDULES
PROJECT SUBMISSION: ISSUED FOR BID: 05/01/26
STATE PROJECT NUMBER: 205-0046 A

DATE: 11/07/2025
SCALE: 1/8" = 1'-0"
DRAWN BY: M. Burwell/ W. Yaremich
PROJECT NUMBER: 23.195

DRAWING NUMBER: M500

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## FAN COIL UNIT SCHEDULE

| MARK | LOCATION | AREA SERVED | FAN | | COOLING | | | | HEATING | | | ELECTRICAL | | MAKE/ MODEL | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | NOMINAL CFM | ESP IN WG | TOTAL CAP. (MBH) | SENS. CAP (MBH) | EAT DB/WB (°F) | LAT DB (°F) | TOTAL CAP. (MBH) | EAT DB (°F) | LAT DB/WB (°F) | VOLTAGE | ∅ | | |
| AC-1 | SERVER ROOM | REFER TO PLAN | 385 | - | 12.0 | 8.3 | 80.0 / 67.0 | 59.6 | COOLING ONLY UNIT | | | 208 / 230 | 1 | TRANE/PKA-AL-12NL | SEE BELOW |
| AC-2 | NON LIBRARY CLASSROOM | REFER TO PLAN | 1201 | 0.20 | 33.5 | 21.5 | 79.5/67.5 | 62.6 | 31.9 | 66.1 | 88.1 | 208 / 230 | 1 | TRANE/PEAD-AA36NL | SEE BELOW |

REMARKS:
1. PROVIDE ECM MOTOR & DISCONNECT SWITCH.
2. PROVIDE COMPLETE SET OF SPARE FILTERS (TOTAL NUMBER OF FILTER SETS = 2) FOR EACH UNIT.
3. PROVIDE CS THERMOSTAT INTERFACE.
4. REFER TO SPECIFICATION SECTION FOR MORE INFORMATION.
5. PROVIDE CONTROL AND MONITORING CAPABILITY THROUGH BUILDING MANAGEMENT CONTROL SYSTEM. A BUILDING MANAGEMENT CONTROL SYSTEM WILL BE INSTALLED UNDER A SEPARATE PROJECT IN THE FUTURE.

## AIR COOLED CONDENSING UNIT SCHEDULE

| MARK | INDOOR UNIT ASSOCIATED | AREA SERVED | CAPACITY (MBH) | EER | SEER | COMPRESSOR DATA | | ELECTRICAL DATA | | | | | OPER. WEIGHT (LB) | MAKE/ MODEL | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | TYPE | # COMP. | VOLTS | ∅ | MCA | RFS | MOCP | | | |
| ACC-1 | AC-1 | SERVER ROOM | 12 | 17.1 | 21.1 | INVERTER | 1 | 208 / 230 | 1 | 16 | 20 | 27 | 99 | TRANE / PUY-AK12NL | SEE BELOW |
| ODU-2 | AC-2 | NON LIBRARY CLASSROOM | 36 | 12.3 | 19.5 | INVERTER | 1 | 208 / 230 | 1 | 29 | 30 | 49 | 258 | TRANE / SUZ-AK36NLHZ | SEE BELOW |

REMARKS: (ALL PRODUCTS INDICATED WITHIN SCHEDULE ARE NEW EQUIPMENT)

1. NOMINAL COOLING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 80/67°F (DB/WB), OUTDOOR OF 95°F (DB)
2. NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70°F (DB), OUTDOOR OF 43°F (WB)
3. EFFICIENCY VALUES FOR EER, IEER, COP ARE BASED ON AHRI 1230 TEST METHOD FOR MIXTURE OF DUCTED & NON-DUCTED INDOOR UNITS.
4. ADDED FIELD CHARGE LISTED IS IN ADDITION TO FACTORY CHARGE. THIS MUST BE UPDATED BASED UPON FINAL AS-BUILT PIPING LAYOUT.
5. UNIT SHALL UTILIZE R-454B REFRIGERANT. R-22 AND R-410A REFRIGERANT IS NOT ACCEPTABLE.
6. REFER TO CEILING MOUNTED AIR CONDITIONING UNIT SCHEDULE FOR ASSOCIATED INDOOR UNIT.
7. NOTE INDOOR UNIT IS POWERED BY AIR COOLED CONDENSING UNIT.
8. UNIT SHALL BE CAPABLE OF OPERATION AT OUTDOOR AMBIENT TEMPERATURE FROM 0°F TO 110°F.
9. THE UNIT SHALL BE EQUIPPED WITH THE FOLLOWING: LOW AMBIENT COOLING CAPABILITY WITH APPROVED KITS, SNOW / HAIL GUARDS, FRONT SEAT SERVICE VALVES, INTERNAL PRESSURE RELIEF VALVE, LONG LINE CAPABILITY, LOSS OF CHARGE SWITCH, HIGH PRESSURE SWITCH, CRANKCASE HEATER, FRONT WIND BAFFLE, SNOW STAND HEAD PRESSURE CONTROL, EVAPORATOR DEFROST CONTROL. FACTORY INSTALLED REFRIGERANT SHUT OFF SWITCH AND REFRIGERANT PUMP.
10. CONTRACTOR TO FINALIZE REFRIGERANT PIPE SIZES WITH EQUIPMENT MANUFACTURER BASED ON ACTUAL LAYOUT.
11. PROVIDE WALL BRACKET, MODEL QSWB200M-1.
12. PROVIDE CONTROL AND MONITORING CAPABILITY THROUGH BUILDING MANAGEMENT CONTROL SYSTEM.
    a. PROVIDE P-SERIES M-NET ADAPTER FOR CONNECTION TO AE200 CENTRALIZED CONTROLLER.
13. EQUIPMENT MUST BE PURCHASED FROM A COMMERCIAL SALES OFFICE THAT OFFERS FULL SALES, TECHNICAL SUPPORT AND HAS FULL SERVICE OPERATION WITH A MINIMUM OF (10) SERVICE TRUCKS. THE COMMERCIAL SALES OFFICE SHALL HAVE ACCESS TO ELECTRONIC SALES, SERVICE AND TECHNICAL SOFTWARE FOR COMPLETE SUBMITTAL PACKAGES AND AFTER-MARKET SUPPORT.
14. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

## PIPE/TUBE INSULATION SCHEDULE

| SYSTEM | LOCATION | PIPE SIZE | CELLULAR GLASS | FLEXIBLE ELASTOMERIC | MINERAL-FIBER TYPE 1 | CALCIUM SILICATE |
|---|---|---|---|---|---|---|
| CONDENSATE & EQUIPMENT DRAIN, BELOW 60°F | INDOOR | ALL | 1-1/2" | -- | 1/2" | -- |
| | OUTDOOR | ALL | 1-1/2" | -- | -- | -- |
| HEATING HOT WATER AND GLYCOL, 200°F & BELOW | INDOOR | 12" & SMALLER | 2" | -- | 1" | -- |
| | | 14" & LARGER | 2" | -- | 1-1/2" | -- |
| | OUTDOOR | ALL | 3" | -- | -- | -- |
| | BURIED | ALL | 3" | -- | -- | 3" |
| REFRIGERANT (ALL) SUCTION, HOT GAS, VAPOR, & LIQUID PIPING | INDOOR | ALL | 2" | 2" | 2" | -- |
| | OUTDOOR | ALL | 2" | 2" | -- | -- |
| REFRIGERANT (ALL) SUCTION, HOT GAS, VAPOR, & LIQUID FLEXIBLE TUBING | INDOOR | ALL | -- | 2" | -- | -- |
| | OUTDOOR | ALL | -- | 2" | -- | -- |

BLANKS (-) INDICATE INSULATION TYPE SHALL NOT BE USED.
THICKNESS BASED ON INSULATION HAVING A CONDUCTIVITY (K) NOT EXCEEDING 0.27 BTU PER INCH/HBFT^B^F

1. ALL EXPOSED INDOOR PIPING/TUBING AND FITTINGS WITHIN OCCUPIED SPACES, CORRIDORS, MECHANICAL ROOMS AND OTHER NON-CONCEALED LOCATIONS SHALL BE FITTED WITH PVC FITTING COVERS AND PVC PIPE COVERS FROM THE FLOOR LEVEL TO 12' ABOVE THE FINISHED FLOOR. PVC FITTING AND PIPE COVERS SHALL BE 25/50 FLAME AND SMOKE SPREAD RATED. COVERS AND JACKETING COLOR TO BE SELECTED BY ARCHITECT. PROVIDE TEMPLATE OF JACKET COLORS FOR THE ARCHITECT'S REVIEW.

2. ALL ELBOWS; CONCEALED OR EXPOSED, SHALL BE INSULATED WITH PRE-MOLDED, FACTORY FORMED FIBROUS GLASS WITH 3.5 PCF MINIMUM DENSITY AS MANUFACTURED BY HAMFAB OR APPROVED EQUAL. ALL

ELBOWS; CONCEALED OR EXPOSED, SHALL BE COVERED WITH PVC FITTING COVERS. PVC FITTING COVERS SHALL BE 25/50 FLAME AND SMOKE SPREAD RATED. COVER COLOR TO BE SELECTED BY ARCHITECT. PROVIDE TEMPLATE OF JACKET COLORS FOR THE ARCHITECT'S REVIEW.

3. DIAPER AND LOOSE FILL STYLE INSULATION ON PIPE FITTINGS IS NOT ACCEPTABLE. ELBOWS WITHOUT PVC COVERS ARE NOT ACCEPTABLE.

4. INSULATE ALL COILS MOUNTED IN DUCTWORK OR TERMINAL BOXES. INSULATION THICKNESS SHALL BE EQUAL TO THE ASSOCIATED DUCT INSULATION THICKNESS.

5. ALL OUTDOOR PIPING/TUBING SHALL BE FITTED WITH A PRE-MANUFACTURED ALUMINUM JACKET PRODUCT. 0.024" ALUMINUM JACKET LOCK-ON OR SLIP-ON TYPE JACKETING TO BE COVERED WITH ACRYLIC COATING ON

THE OUTER SURFACE AND A BAKED EPOXY MOISTURE BARRIER ON THE INNER SURFACE. MANUFACTURER SHALL BE SIMILAR TO CHILDERS PRODUCTS, DIVISION OF ITW; METAL JACKETING SYSTEMS. ALL EXPOSED JOINTS IN THE JACKET PRODUCT SHALL BE INSTALLED IN SUCH A WAY AS TO PREVENT THE INFILTRATION OF MOISTURE AND WATER.

6. ALL BURIED PIPING/TUBING SHALL BE FITTED WITH A PRE-MANUFACTURED ALUMINUM JACKET PRODUCT. 0.024" ALUMINUM JACKET LOCK-ON OR SLIP-ON TYPE JACKETING TO BE COVERED WITH ACRYLIC COATING ON THE OUTER SURFACE AND A BAKED EPOXY MOISTURE BARRIER ON THE INNER SURFACE. MANUFACTURER SHALL BE SIMILAR TO CHILDERS PRODUCTS, DIVISION OF ITW; METAL JACKETING SYSTEMS.

## VAV SCHEDULE

| MARK | AREA SERVED | NECK SIZE | MAX CFM | MIN CFM | MAX TOTAL PRESSURE (IN WG) | MAX NECK VELOCITY (FT/MIN) | REMARKS |
|---|---|---|---|---|---|---|---|
| VAV-Z1 | BOOKSTACKS | 23x18 | 2750 | 1925 | 0.48 | 1970 | 1,2,3 |
| VAV-Z2 | BOOKSTACKS | 11x10 | 550 | 225 | 0.18 | 1576 | 1,2,3 |
| VAV-Z3 | BOOKSTACKS | 19x18 | 1650 | 825 | 0.15 | 1543 | 1,2,3 |
| VAV-Z4 | CIRC DESK | 14x12 | 685 | 342 | 0.12 | 1256 | 1,2,3 |
| VAV-WR | WORKROOM | 8∅ | 320 | 160 | 0.19 | 1630 | 1,2,3 |
| VAV-POD | PODCAST | 10x8 | 180 | 90 | 0.05 | 2063 | 1,2,3 |
| VAV-REC | RECORDING | 10X8 | 150 | 75 | 0.04 | 1719 | 1,2,3 |
| VAV-RR | READING ROOM | 23x18 | 1000 | 500 | 0.12 | 1273 | 1,2,3 |
| VAV-LC | LIBRARY CLASSROOM | 11x10 | 700 | 350 | 0.05 | 2005 | 1,2,3 |

REMARKS:

1. PROVIDE STRAIGHT DUCT SAME SIZE AS INLET FOR 3 DUCT DIAMETERS (MINIMUM) FROM INLET CONNECTION
2. FURNISH WITH 120V TO 24V TRANSFORMER, CONTROLLER, HEATING AND COOLING THERMOSTAT AND 3-WAY CONTROL VALVE
3. PROVIDE ACOUSTICAL DUCT LINING FOR 4' MINIMUM FROM TERMINAL OUTLET, OR AS INDICATED

## SMART IAQ SCHEDULE

| MARK | MAKE/MODEL | AREA SERVED | NECK SIZE | MAX CFM | NC LEVEL | TEMP RANGE (° F) | ELECTRICAL | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | VOLTAGE (VAC) | FREQUENCY (HZ) | MAX POWER CONSUMPTION | |
| IAQ-1 | SMART IAQ/ SIAQ-CENT-DC | LIBRARY CLASSROOM | 12" DIAMETER | 500 | 25-27 | 0-140 | 120 | 50-60 | 200 W | 1,2 |

REMARKS:
1. COMPLIANCE AND CERTIFICATIONS: UL 867, UL 2998, CARB
2. HUMIDITY RANGE: 5-85% RH (NON CONDENSING)

PROJECT TITLE:
INTERIOR RENOVATION AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 065525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE: MECH SCHEDULES
PROJECT SUBMISSION: ISSUED FOR BID: 05/01/26
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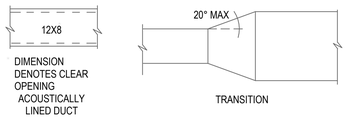
DRAWN BY: M. Burwell/ W. Yaremich
PROJECT NUMBER: 23.195

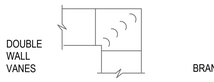
DRAWING NUMBER: M501

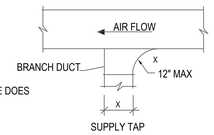
5/1/2026 9:54:47 AM

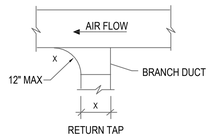






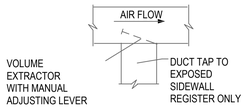


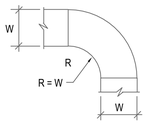



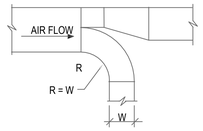




NOTE:

SPECIFICATIONS EXCEED SMACNA STANDARDS IN SOME INSTANCES. SMACNA SHALL BE CONSIDERED THE MINIMUM STANDARD UNLESS OTHERWISE NOTED ON THE DRAWINGS, DETAILS OR IN THE SPECIFICATIONS.

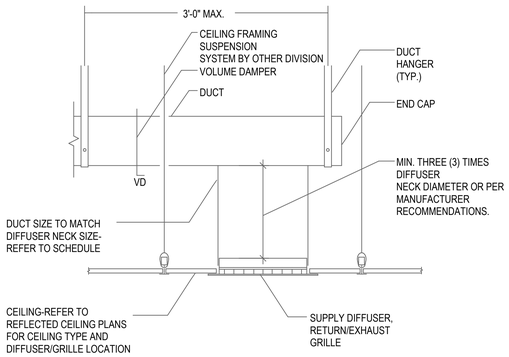



## 1 DUCT CONSTRUCTION DETAIL

NOT TO SCALE

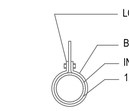


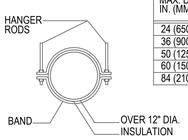

NOTE:

1. PROVIDE DIFFUSER W/OPPOSED BLADE CABLE OPERATED DAMPERS W/IN-AIRSTREAM OPERATORS WHERE INSTALLED IN HARD INACCESSIBLE CEILING.

## 3 TYPICAL SUPPLY,RETURN,EXHAUST OUTLET DETAIL

NOT TO SCALE




| HANGER STRAPS OR RODS | | | |
|---|---|---|---|
| MAX. DUCT DIA. IN. (MM) | QUANTITY / SIZE IN. (MM) | MAX. LOAD LBS. (KG) | MAX. SPACING FT. (M) |
| 24 (650) | ONE 1 (25) x 22 GA STRAP | 260 (119) | 12 (3.7) |
| 36 (900) | TWO 1 (25) x 20 GA STRAP | 420 (190) | 12 (3.7) |
| 50 (1250) | TWO 3/8 (10) DIA. RODS | 700 (317) | 12 (3.7) |
| 60 (1500) | TWO 3/8 (10) DIA. RODS | 1320 (598) | 12 (3.7) |
| 84 (2100) | TWO 3/8(10) DIA. RODS | 2500 (1133) | 12 (3.7) |

NOTE:

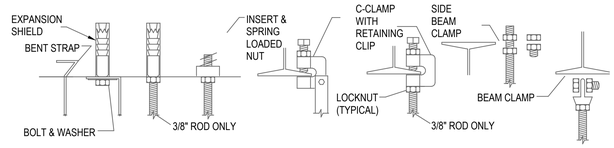
1. TABULATED DATA FROM SMACNA ALLOWS FOR DUCT REINFORCING AND INSULATION, BUT NO EXTERNAL LOAD.

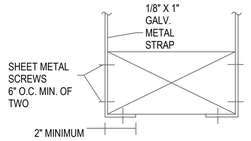
## 6 ROUND DUCTWORK HANGER DETAIL

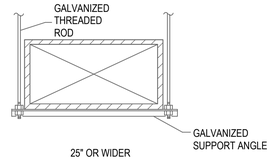
NOT TO SCALE

| DUCT WIDTH | SUPPORT ANGLE | ROD DIA. | MAXIMUM SPACING | MAXIMUM AREA * |
|---|---|---|---|---|
| 25" TO 30" | 1 1/2" X 1 1/2" X 1/8" | 3/8" | 8'-0" O.C. | 4 SQ. FT. |
| 31" TO 42" | 1 1/2" X 1 1/2" X 1/8" | 3/8" | 6'-0" O.C. | 10 SQ. FT. |
| 43" TO 60" | 1 1/2" X 1 1/2" X 1/8" | 1/2" | 6'-0" O.C. | 10 SQ. FT. |
| 61" TO 84" | 2" X 2" X 1/4" | 1/2" | 4'-0" O.C. | |
| 85" AND UP | 2" X 2" X 1/4" | 1/2" | 4'-0" O.C. | |

* REDUCE SPACING TO NEXT SMALLER INTERVAL IF DUCT AREA EXCEEDS MAXIMUM

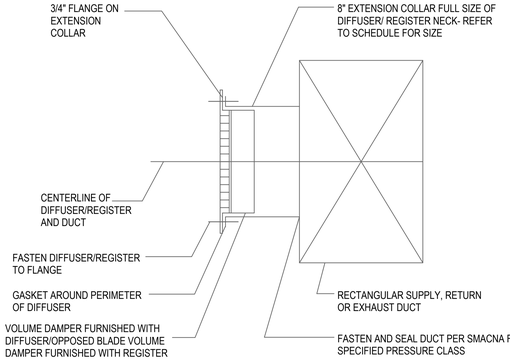



## 2 DUCT SUPPORT DETAIL

NOT TO SCALE

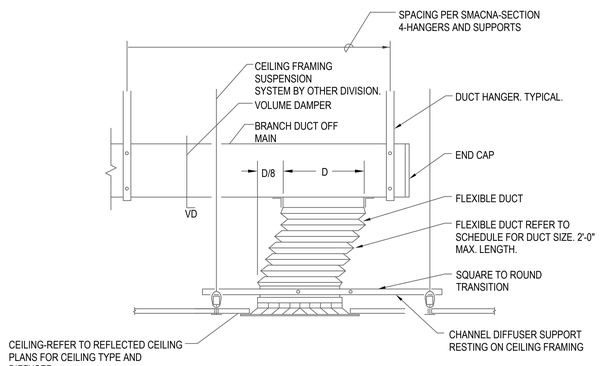



NOTES:

1. INSTALL DIFFUSER/REGISTER PER SMACNA AND MANUFACTURERS RECOMMENDATIONS.
2. ADJUST DIFFUSER VANES TO ANGLE INDICATED ON SCHEDULE AND MANUFACTURERS RECOMMENDATIONS.

## 4 TYPICAL RECTANGULAR EXPOSED DUCT SUPPLY,RETURN/EXHAUST REGISTER DETAIL

NOT TO SCALE

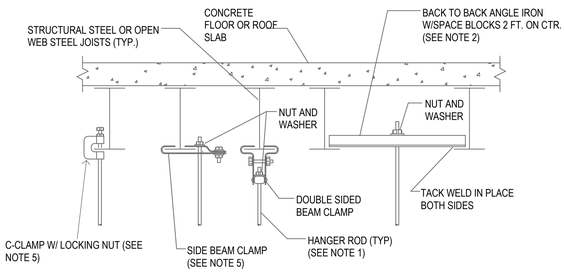



NOTES:

1. PROVIDE DIFFUSER W/OPPOSED BLADE CABLE OPERATED DAMPERS W/IN-AIRSTREAM OPERATORS WHERE INSTALLED IN HARD INACCESSIBLE CEILING.
2. OFFSET SHALL NOT EXCEED D/8".

## 7 TYPICAL SUPPLY DIFFUSER DETAIL WITH FLEXIBLE DUCTWORK CONNECTION

NOT TO SCALE

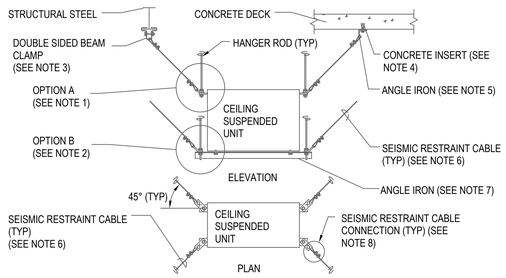



NOTES:

1. REFER TO SPECIFICATIONS FOR PIPE HANGER ROD SIZE. FOR CEILING SUSPENDED EQUIPMENT PROVIDE MIN. 3/8" DIA. HANGER ROD (REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS).
2. FOR PIPES UNDER 2" USE A SINGLE 1-1/2"x1-1/2"x1/4" ANGLE IRON WITH C-CLAMP. FOR PIPES 2-1/2" AND LARGER USE 3"x3"x1/4" ANGLE IRON BACK TO BACK AS SHOWN.
3. REFER TO "TYPICAL METHOD OF SECURING HANGER RODS TO CONCRETE DECK DETAIL" FOR ATTACHING HANGER RODS TO CONCRETE DECK.
4. REPAIR OF FIREPROOFING IN ORDER TO FACILITATE THE INSTALLATION OF HANGER RODS IN EXISTING CONSTRUCTION SHALL BE BY THE G.C.
5. USE OF C-CLAMPS AND SIDE BEAM CLAMPS IS LIMITED TO PIPING 2-1/2" AND UNDER.

## 5 TYPICAL METHOD OF SECURING HANGER RODS TO STRUCTURAL STEEL DETAIL

NOT TO SCALE




NOTES:

1.OPTION A APPLIES TO EQUIPMENT HAVING TOP OR SIDE ATTACHMENT.
2.OPTION B APPLIES TO EQUIPMENT SUPPORTED FROM THE BOTTOM OF THE EQUIPMENT.
3.USE DOUBLE SIDED BEAM CLAMPS FOR ATTACHMENT TO STRUCTURAL STEEL OR JOISTS.
4.USE CONCRETE INSERTS FOR ATTACHMENT TO CONCRETE DECK TYPE CONSTRUCTION.
5.ANGLE IRON SHALL BE 2-1/2"x5"x1/4" ANGLE 2" WIDE WITH (2) 9/16" HOLES FOR FASTENING TO CONCRETE DECK.
6.SIZE CABLE BASED ON SEISMIC HAZARD LEVEL SPECIFIED. PROVIDE CABLE WITH 1/2" OF SLACK WHERE CABLES ARE USED WITH VIBRATION ISOLATED EQUIPMENT.
7.PROVIDE (2) ANGLES FOR BOTTOM SUPPORT OF UNIT (OPTION B). PROVIDE (4) 2"x 2"x 2"x1/4" ANGLES WELDED TO BOTTOM SUPPORT ANGLES AND TO UNIT. (THIS IS NOT REQUIRED WHERE UNIT IS PROVIDED WITH BOTTOM MOUNTING HOLES).
8.REFER TO SMACNA-"SEISMIC RESTRAINT MANUAL GUIDELINES FOR MECHANICAL SYSTEMS" FOR CABLE CONNECTION DETAIL.

## 8 TYPICAL SEISMIC BRACING FOR SUSPENDED EQUIPMENT DETAIL

NOT TO SCALE

PROJECT TITLE:

INTERIOR RENOVATION AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 065525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

| REVISION: | DESCRIPTION: | DATE: | REVISED BY: |
|---|---|---|---|

DRAWING TITLE: MECH DETAILS

PROJECT SUBMISSION: ISSUED FOR BID: 05/01/26

STATE PROJECT NUMBER: 205-0046 A

DATE: 11/07/2025

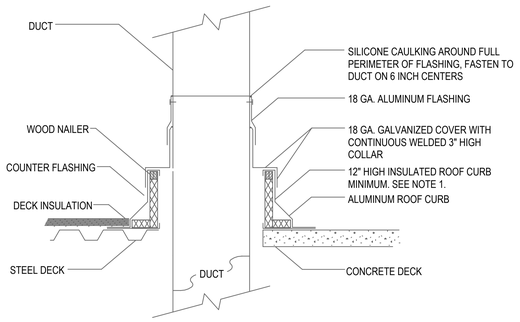
SCALE: 1/8" = 1'-0"

DRAWN BY: M. Burwell/ W. Yaremich

PROJECT NUMBER: 23.195

DRAWING NUMBER: M600

5/1/2026 9:55:36 AM

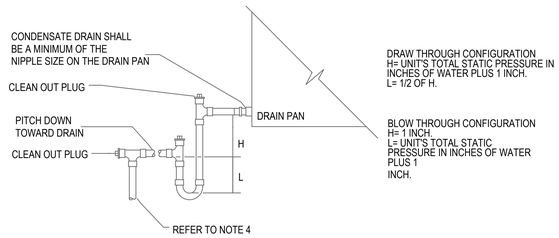



NOTES:

1. COORDINATE CURB STEP HEIGHT WITH ROOF DECK INSULATION THICKNESS

## 1 DUCT PENETRATION THROUGH ROOF DETAIL

NOT TO SCALE

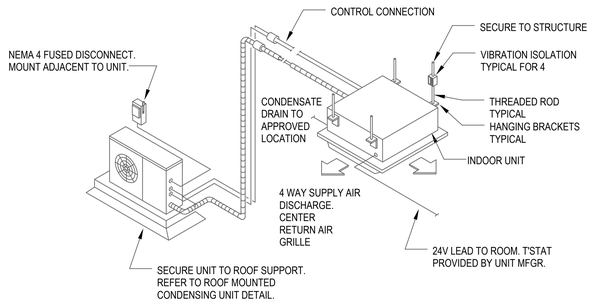



NOTES

1. REFER TO MECHANICAL FLOOR PLANS AND SCHEDULES TO DETERMINE UNIT'S CONFIGURATION.
2. REFER TO MECHANICAL SCHEDULES FOR UNIT'S TOTAL STATIC PRESSURES.
3. MANUALLY PRIME TRAP PRIOR TO START-UP OF UNIT.
4. UNITS ABOVE CEILINGS: DRAIN PIPING SHALL BE INSULATED AND PIPED TO THE DISCHARGE POINT INDICATED WITH AN AIR GAP OF (2) TIMES THE CONDENSATE DRAIN SIZE.
5. UNITS ON ROOFS: DRAIN PIPING SHALL BE PIPED TO ROOF DRAIN, SPLASH BLOCK (BY THIS DIVISION) OR LOCATED INSIDE BUILDING.
6. UNITS INSIDE BUILDING: DRAIN PIPING SHALL BE INSULATED AND PIPED TO THE DISCHARGE POINT INDICATED WITH AN AIR GAP OF (2) TIMES THE CONDENSATE DRAIN SIZE.

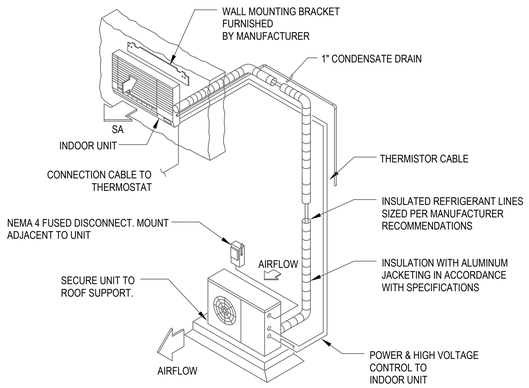
## 2 COOLING COIL DRAIN TRAP DETAIL

NOT TO SCALE



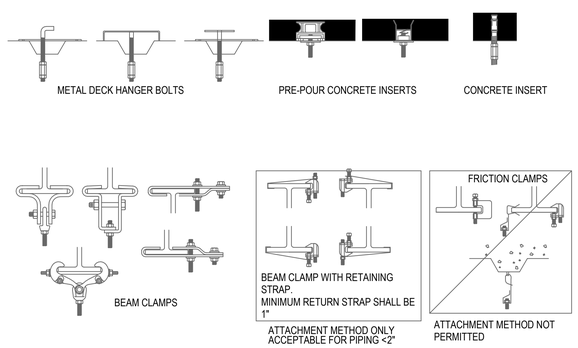

## 3 CEILING CASSETTE FAN COIL UNIT AND OUTDOOR UNIT DETAIL

NOT TO SCALE



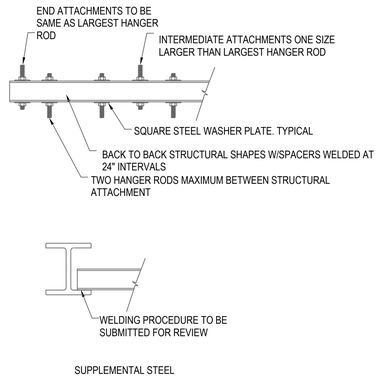

## 4 WALL MOUNTED FAN COIL UNIT AND OUTDOOR UNIT DETAIL

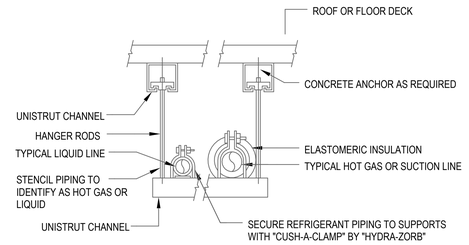
NOT TO SCALE




## 5 PIPE HANGER ATTACHMENT DETAIL

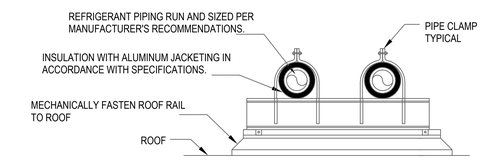
NOT TO SCALE



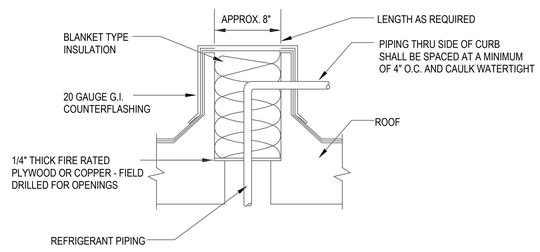

## 6 REFRIGERANT PIPE SUPPORT DETAIL

NOT TO SCALE




## 7 REFRIGERANT PIPING ROOF SUPPORT DETAIL

NOT TO SCALE




## 8 ROOF CURB FOR REFRIGERANT PIPING THROUGH ROOF DETAIL

NOT TO SCALE

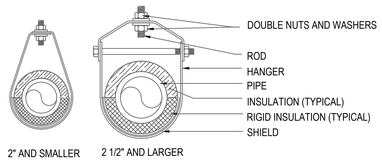
PROJECT TITLE:
INTERIOR RENOVATION AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 065525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

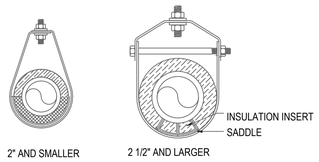
REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE: MECH DETAILS
PROJECT SUBMISSION: ISSUED FOR BID: 05/01/26
STATE PROJECT NUMBER: 205-0046 A
DATE: 11/07/2025
SCALE: 1/8" = 1'-0"
DRAWN BY: M. Burwell/ W. Yaremich
PROJECT NUMBER: 23.195
DRAWING NUMBER: M601

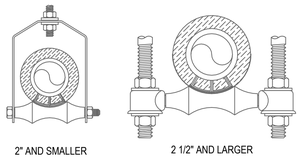
5/1/2026 9:55:27 AM




FLUIDS LESS THAN 100°F




FLUIDS GREATER THAN 100°F

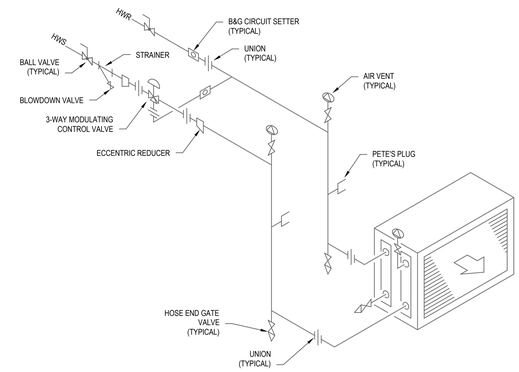



FLUIDS 150°F-250°F 50' FROM ANCHOR
FLUIDS GREATER THAN 250°F 30' FROM ANCHOR

| HANGER SCHEDULE | | |
|---|---|---|
| PIPE SIZE | ROD SIZE | MAX. SPACING |
| UP TO 1 1/4" | 3/8" DIA. | 8' STEEL |
| UP TO 1 1/4" | 3/8" DIA. | 6' COPPER & BRASS |
| 1 1/2" & 2" | 3/8" DIA. | 10' |
| 2 1/2" & 3" | 1/2" DIA. | 10' |
| 4" & 5" | 5/8" DIA. | 10' |
| 6" | 3/4" DIA. | 10' |
| 8", 10", 12" | 7/8" DIA. | 10' |
| 14" & 16" | 1" DIA. | 10' |
| 18" | 1 1/8" DIA. | 10' |
| 20" & 24" | 1 1/4" DIA. | 10' |

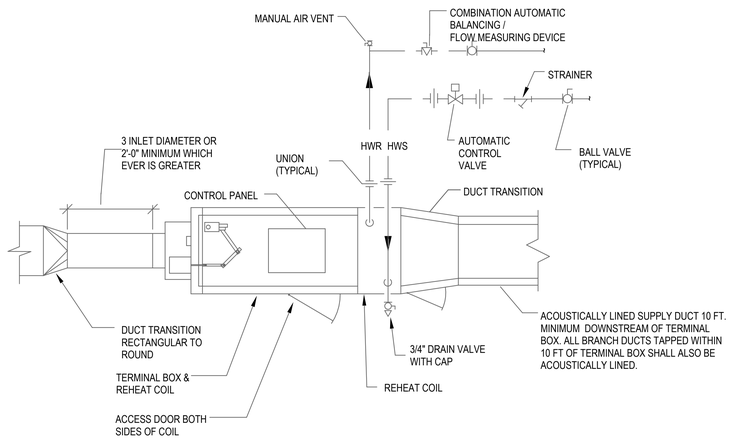
## 1 PIPE HANGER DETAIL

NOT TO SCALE




## 2 HOT WATER REHEAT COIL DETAIL

NOT TO SCALE




## 3 VAV REHEAT COIL DETAIL

NOT TO SCALE

NOTES:

1. WHEN MINIMUM UPSTREAM STRAIGHT DUCT CONNECTION TO TERMINALS AS INDICATED ABOVE CANNOT BE MAINTAINED, PROVIDE ORIFICE PLATE, STRAIGHTENING VANES OR OTHER DEVICE AS RECOMMENDED BY TERMINAL UNIT MANUFACTURER AND SUBMIT TO ENGINEER FOR REVIEW PRIOR TO INSTALLATION.
2. ARRANGE ACCESS TO PERMIT EASY FIELD BALANCE AND MAINTENANCE OF TERMINAL UNIT.
3. THE COMBINATION AUTOMATIC BALANCING/FLOW MEASURING DEVICE SHALL NOT BE REQUIRED ON DEVICES WHERE PRESSURE INDEPENDENT CONTROL VALVES ARE INSTALLED.
4. CONTRACTOR SHALL INSTALL TERMINAL BOX TO ALLOW FOR A MINIMUM OF 18" CLEAR IN FRONT OF CONTROL PANEL.

NOT TO SCALE

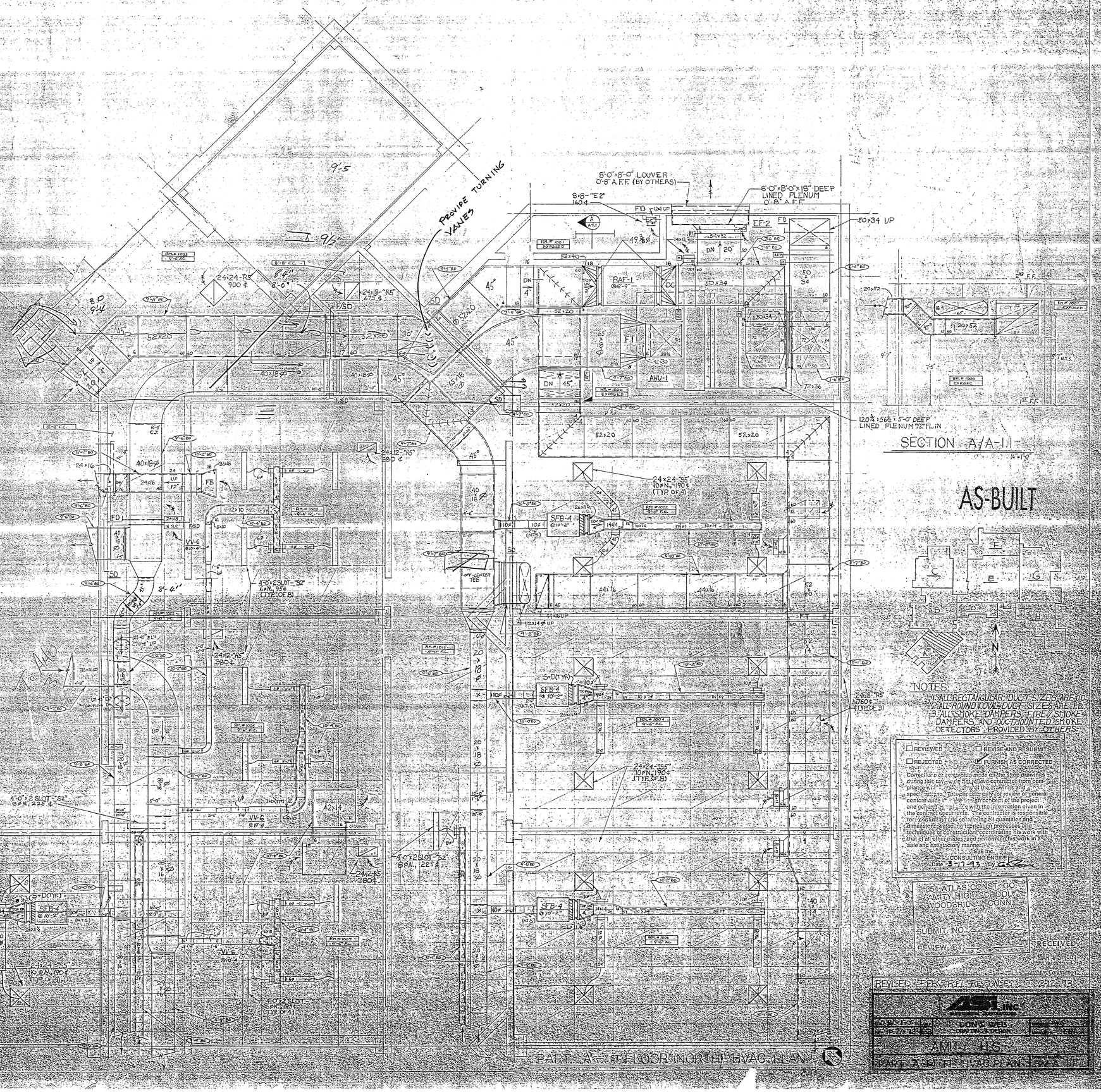
PROJECT TITLE:
INTERIOR RENOVATION AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 065525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE: MECH DETAILS
PROJECT SUBMISSION: ISSUED FOR BID: 05/01/26
STATE PROJECT NUMBER: 205-0046 A
DATE: 11/07/2025
SCALE: 1/8" = 1'-0"
DRAWN BY: M. Burwell/ W. Yaremich
PROJECT NUMBER: 23.195
DRAWING NUMBER: M602

5/1/2026 9:55:51 AM




NOTES:
1. ALL RECTANGULAR DUCT SIZES ARE I.D.
2. ALL ROUND & OVAL DUCT SIZES ARE I.D.
3. ALL SMOKE DAMPERS, FIRE/SMOKE DAMPERS, AND DUCT MOUNTED SMOKE DETECTORS PROVIDED BY OTHERS.

☐ REVISED ☐ REVISE AND RESUBMIT
☐ REJECTED ☑ FURNISH AS CORRECTED

Corrections or comments made on the shop drawings during this review do not relieve the contractor from compliance with requirements of the drawings and specifications. This check is only for review of general concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating the work with that of all other trades; and performing his work in a safe and satisfactory manner.

Reviewed by: Ammann & Whitney Consulting Engineers
Date 3-17-93 By

1994 ATLAS CONST. CO.
AMITY HIGH SCHOOL
WOODBRIDGE, CONN.
SUBMIT. NO.
REVIEW CY.

RECEIVED
MAR 19 1993

REVISED PER PRELIM. RESPONSES 2-12-93

ASI INC.
CONSTRUCTION SERVICES

| CHK'D | FOR | BY | DWG'S WERE | BY | DATE |
|---|---|---|---|---|---|
| J.F. | P.M. | | PREPARED FOR | | |

AMITY H.S.

PART A 1ST FL. HVAC PLAN | DWG. NO. M-A1.1

SEE REISSUE 10/29/92

RFI M12
SPEC 15890, 3.1.C
9/10/92
3 DUCT DIA. OF STRAIGHT RIGID DUCT AT THE INLET OF ALL TERMINAL UNITS (TYP)

NOTES:
1. ALL RECTANGULAR DUCT SIZES ARE O.D.
2. ALL ROUND & OVAL DUCT SIZES ARE I.D.
3. ALL SMOKE DAMPERS, FIRE/SMOKE DAMPERS, AND DUCT MOUNTED SMOKE DETECTORS PROVIDED BY OTHERS.

AS-BUILT

☐ REVIEWED ☒ REVISE AND RESUBMIT
☐ REJECTED ☐ FURNISH AS CORRECTED

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Date 11/24/92

PART A-1ST FLOOR (SOUTH) HVAC PLAN

PEC ATLAS CONST. CO.
AMITY HIGH SCHOOL
WOODBRIDGE, CONN.

SUBMIT. NO. 12-4-1
REVIEW BY

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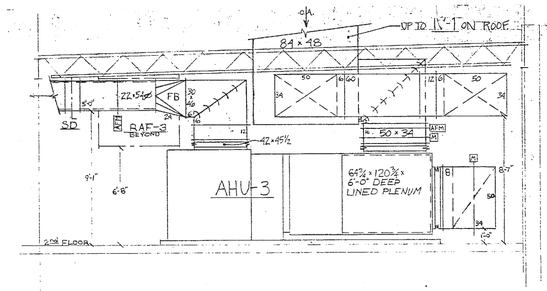
NOV 1992

DON S. VEIT
HEATING & DESIGN

AMITY H.S.

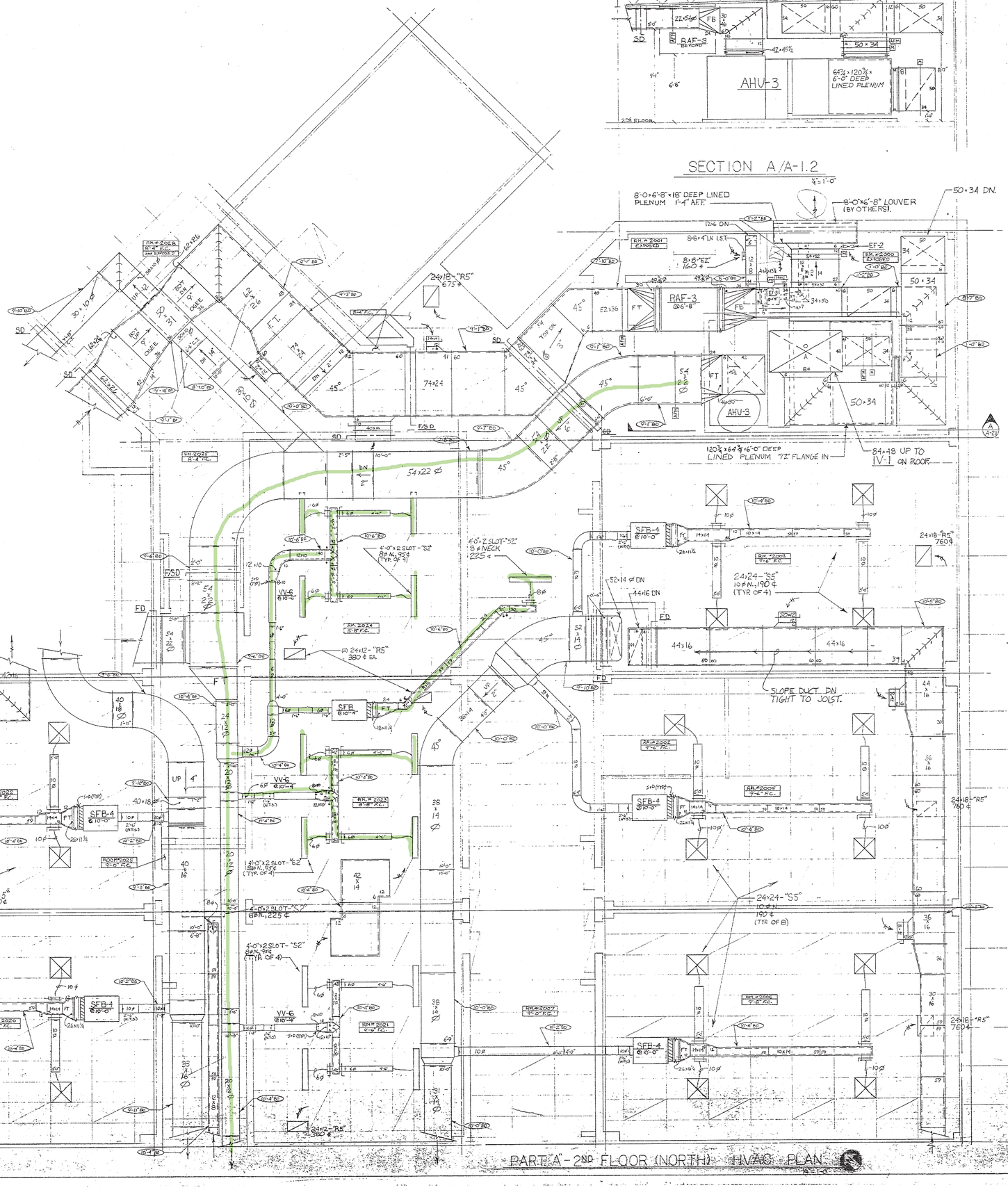
PART A-1ST FL. HVAC

SM-A-10




## SECTION A/A-1.2

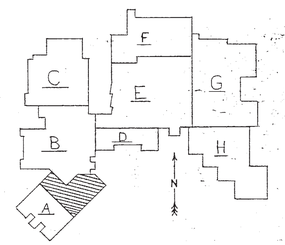
1/4" = 1'-0"




PART 'A' - 2ND FLOOR (NORTH) HVAC PLAN

1/4" = 1'-0"

NOTES:
1. ALL RECTANGULAR DUCT SIZES ARE O.D.
2. ALL ROUND & OVAL DUCT SIZES ARE I.D.
3. ALL SMOKE DAMPERS, FIRE/SMOKE DAMPERS, AND DUCTMOUNTED SMOKE DETECTORS PROVIDED BY OTHERS.




AS-BUILT

#854 ATLAS CONST. CO.
AMITY HIGH SCHOOL
WOODBRIDGE, CONN.

SUBMIT. NO.: ISSUED-04-0303

REVIEW. BY:

RECEIVED
MAR 03 1993
After Construction

☑ REVIEWED ☐ REVISE AND RESUBMIT
☐ REJECTED ☐ FURNISH AS CORRECTED

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SCE Inc.
CONSULTING ENGINEERS
Date 3-17-93 By GK Rowe

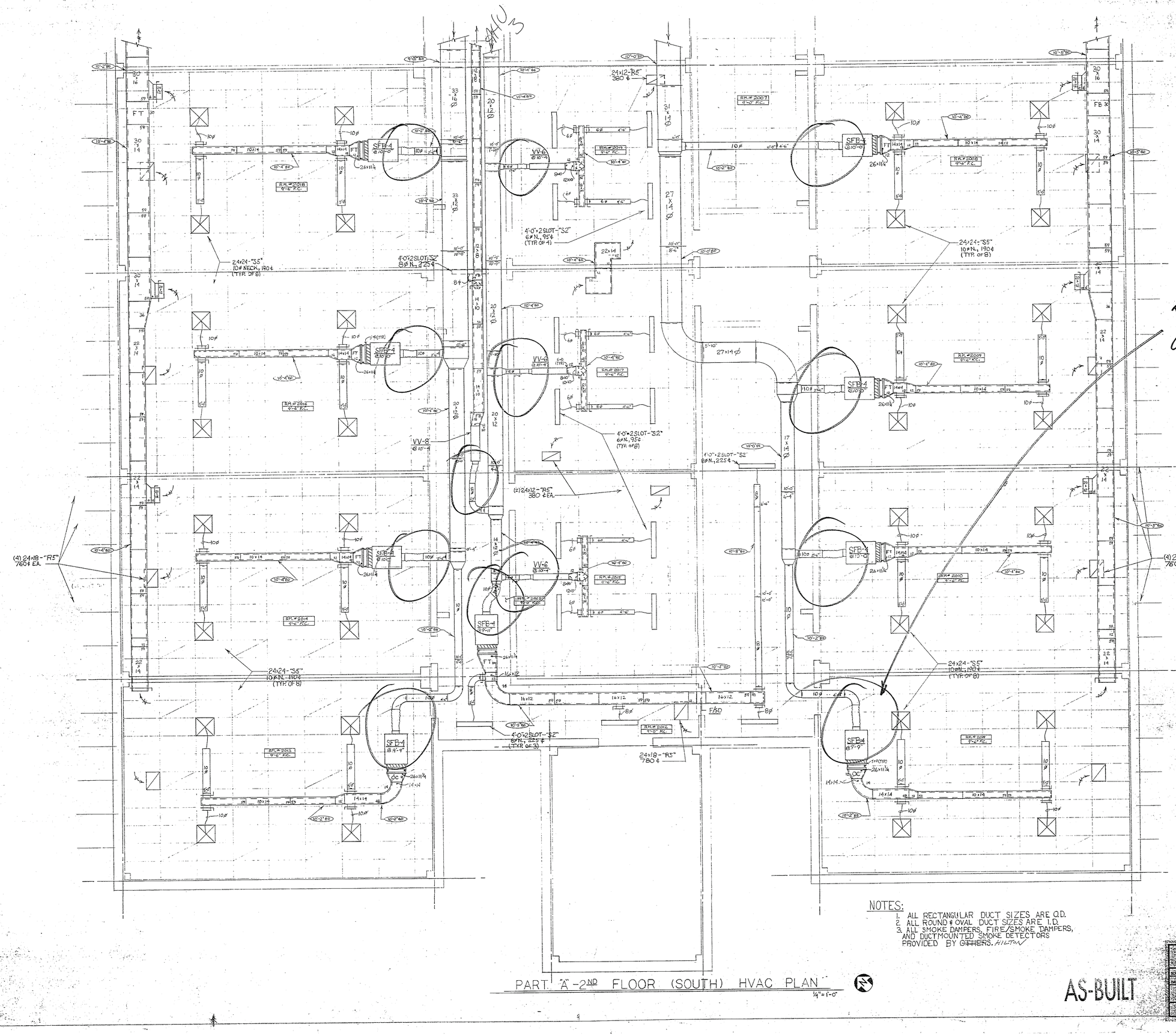
REVISED PER RFI RESPONSES 7-12-93

ASI INC.
MECHANICAL CONTRACTORS

| | | | |
|---|---|---|---|
| SCALE: 1/4"=1'-0" | JOB | DON'S WEIS DRAFTING & DESIGN | DRAWN BY: AVC |
| DATE: 10-19-92 | 1238 | | APPROVED BY: JER |

AMITY H.S.

PART 'A' 2ND FL. HVAC PLAN | SM-A-21

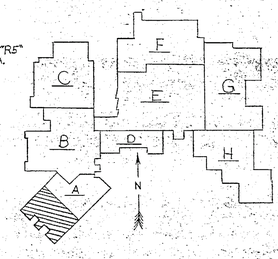



PART "A" - 2ND FLOOR (SOUTH) HVAC PLAN

1/4"=1'-0"

NOTES:
1. ALL RECTANGULAR DUCT SIZES ARE O.D.
2. ALL ROUND & OVAL DUCT SIZES ARE I.D.
3. ALL SMOKE DAMPERS, FIRE/SMOKE DAMPERS, AND DUCTMOUNTED SMOKE DETECTORS PROVIDED BY ~~OTHERS~~. HILTON

RFI M12
SPEC. 15890, 3.1.C
9/10/92
3 DUCT DIA OF STRAIGHT RIGID DUCT AT INLET OF ALL TERMINAL UNITS (TYP)




☐ REVIEWED ☐ REVISE AND RESUBMIT
☐ REJECTED ☒ FURNISH AS CORRECTED

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CSE Inc.
CONSULTING ENGINEERS
Date 11/24/92

#854 ATLAS CONST. CO.
AMITY HIGH SCHOOL
WOODBRIDGE, CONN.

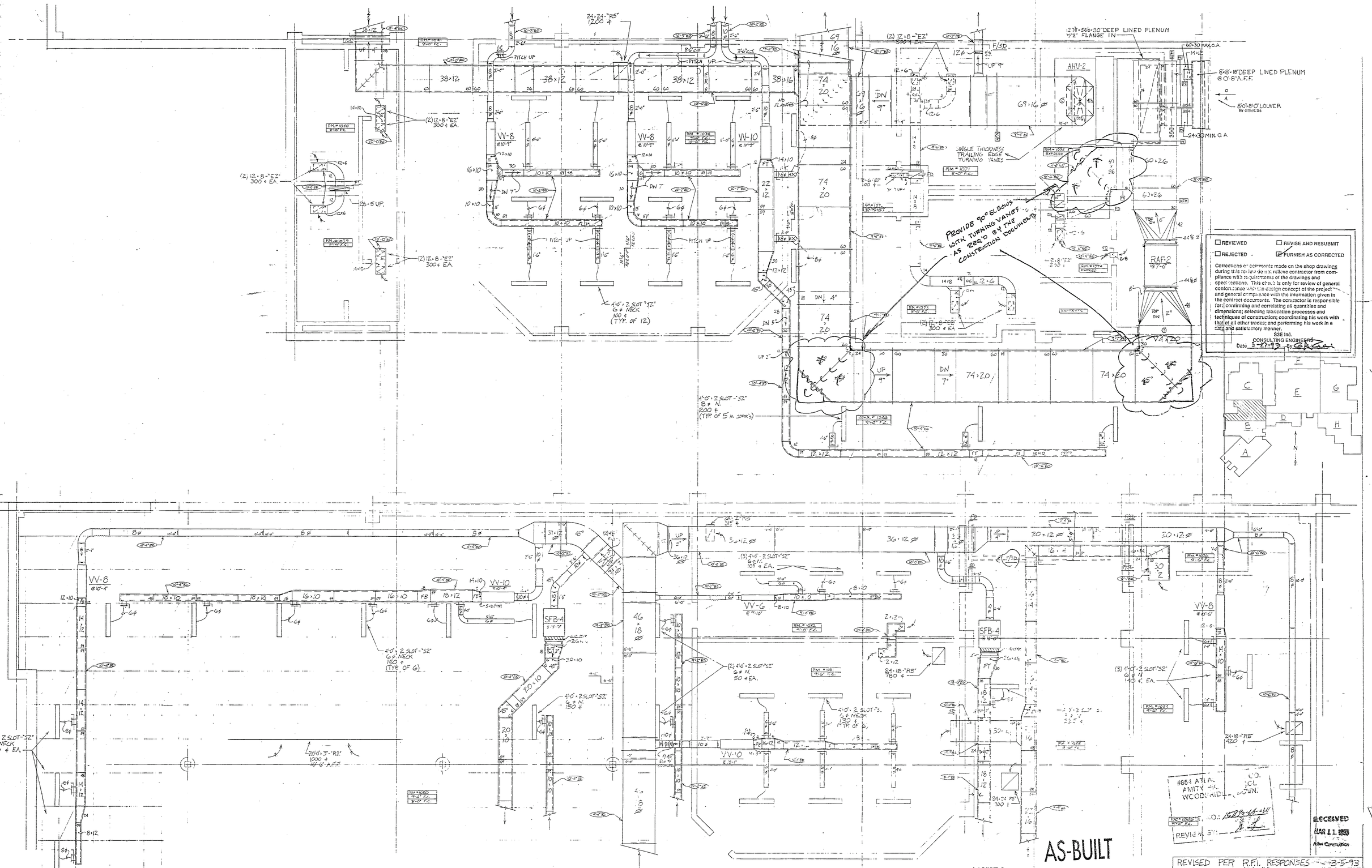
SUBMIT. NO.: 26870-1-139
REVIEW. BY:

RECEIVED
OCT 29 1992
Atlas Construction

ASI INC. SHEETMETAL CONTRACTORS

| | | | |
|---|---|---|---|
| SCALE 1/4"=1'-0" | JOB 1139 | DRAWN BY AVG |
| DATE 10-14-92 | DON S. WEIS DRAFTING & DESIGN | CHECKED BY JEH |
| AMITY H.S. | | |
| PART "A" 2ND FLOOR HVAC | | DRAWING NUMBER SM-A-2-2 |

AS-BUILT




REVIEWED — REVISE AND RESUBMIT
REJECTED — FURNISH AS CORRECTED

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S3E Inc.
CONSULTING ENGINEERS
Date 3-27-95 By

#664 ATLAS
AMITY H.S.
WOODBRIDGE
P.O.: 15278-44-450
REVIEWED BY:

RECEIVED
MAR 31 1995
Allied Construction

AS-BUILT

NOTES:
1. ALL RECTANGULAR SIZES ARE O.D.
2. ALL ROUND & OVAL STEEL PIPE I.D.
3. ALL FIRE DAMPERS, FIRE/SMOKE DAMPERS, AND DUCT MOUNTED SMOKE DETECTORS PROVIDED BY OTHERS.

PART "B" - 1ST FLOOR (NORTH) HVAC PLAN

REVISED PER R.F.I. RESPONSES 4-3-95

ASI, INC. SHEETMETAL CONTRACTORS

| | | | |
|---|---|---|---|
| SCALE: 1/4"=1'-0" | JOB # | DON S. WEIS DRAFTING & DESIGN | DRAWN BY: JEH |
| DATE: 10-8-92 | 1385 | | APPROVED BY: |

AMITY H.S.

PART "B" - 1ST FL. HVAC PLAN. | DRAWING NUMBER: SM-B-1

(2) 20'-0"x3'-0" "S4"
750 ¢ EA.
10'-6" A.F.F.

4'-0"x2 SLOT-"S2"
6ø NECK
200 ¢
(TYP. OF 3)

20'-6"x10"x12" DEEP LINED
PLENUM 10'-4" A.F.F.

20'-0"x3'-0" "R2"
1000 ¢
10'-6" A.F.F.

4'-0"x2 SLOT-"S2"
6ø NECK
150 ¢
(TYP. OF 4)

4'-0"x2 SLOT-"S2"
6ø NECK
150 ¢
(TYP. OF 3)

20'-6"x10"x12" DEEP LINED
PLENUM 10'-4" A.F.F.

(2) 45° EL.
70'-6" I.N.

PITCH UP

(12) 24x24-"R5"
1000 ¢ EA.

24'-0"x2 SLOT-"S2"
6ø NECK
150 ¢ EA.

4'-0"x2 SLOT-"S2"
6ø N.150 ¢
(TYP. OF 2)

4'-0"x2SLOT-"S2"
6ø N.225¢
(TYP. OF 5)

24x18-"R5"
600 ¢

4'-0"x2SLOT-"S2"
6ø NECK
150 ¢
(TYP. OF 4)

4'-0"x2SLOT-"S2"
6ø NECK
140 ¢
(TYP. OF 2)

24x12-"R5"
280 ¢

OFF-CENTER TEE

4'-0"x2SLOT-"S2"
6ø NECK
150 ¢

14x8 W.O. ABV. CEIL.

24x12-"R5"
520 ¢

24x18-"R5"
780 ¢

24x12 W.O. ABV. CEIL.

NO FLANGES

24x18-"R5"
710 ¢

24x12-"R5"
200 ¢

4'-0"x2SLOT-"S2"
6ø NECK
170 ¢

(2) 45°x2SLOT-"S2"
6ø NECK
100 ¢ EA.

52x24 UP

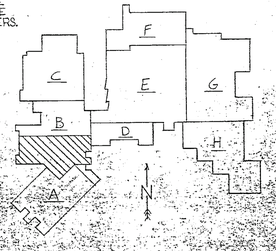
42x16

46x16

NOTES:
1. ALL RECTANGULAR SIZES ARE O.D.
2. ALL ROUND & OVAL SIZES ARE I.D.
3. ALL SMOKE DAMPERS, FIRE/SMOKE DAMPERS, AND DUCTMOUNTED SMOKE DETECTORS PROVIDED BY OTHERS.

PART B - 1ST FLOOR - (SOUTH) HVAC PLAN
1/4"=1'-0"

AS-BUILT




☑ REVIEWED ☐ REVISE AND RESUBMIT
☐ REJECTED ☐ FURNISH AS CORRECTED

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SSE Inc.
CONSULTING ENGINEERS
Date 3-17-93 By

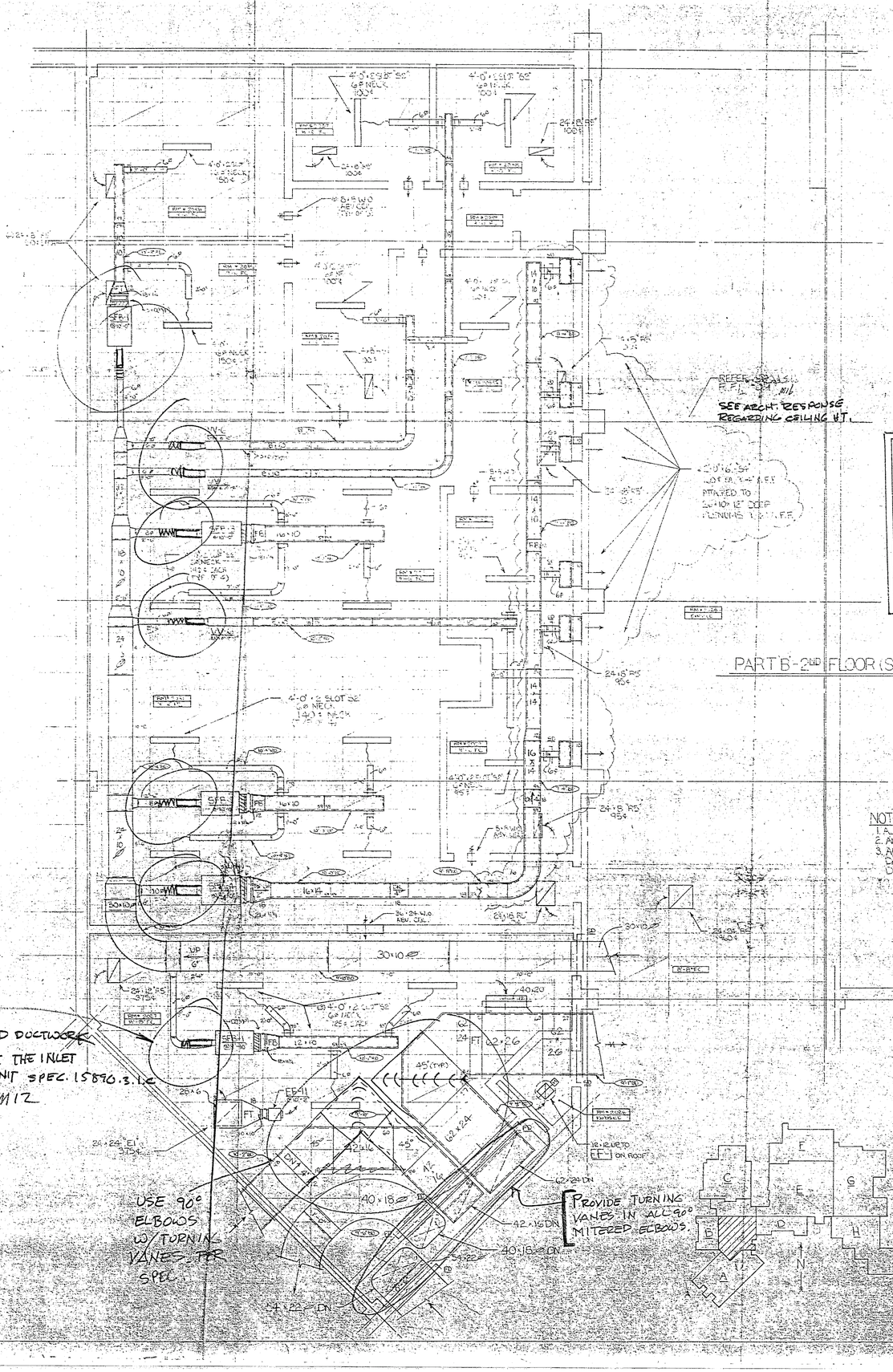
#654 ATLAS CONST. CO.
AMITY H. S. SCHOOL
WOODBRIDGE, CONN.

SUBMIT. NO. 15PA41-023
REVIEW BY

RECEIVED
MAR 0 1993
Atlas Construction

REVISED PER RFI RESPONSES 3-12-93

ASI INC
DON'S WEB DRAFTING & DESIGN
AMITY H.S.
PART B - 1ST FL. HVAC PLAN SM B-12




PART B - 2ND FLOOR (SOUTH) HVAC PLAN

NOTES:
1. ALL RECTANGULAR DUCT SIZES ARE O.D.
2. ALL ROUND & OVAL DUCT SIZE ARE I.D.
3. ALL SMOKE DAMPERS, FIRE/SMOKE DAMPERS, AND DUCT MOUNTED SMOKE DETECTORS PROVIDED BY OTHERS.

1 ALL DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATION REQUIREMENTS.

2 SUBMIT DUCT CONSTRUCTION DETAILS & ACCESSORIES.

AS-BUILT

☐ REVIEWED ☐ REVISE AND RESUBMIT
☐ REJECTED ☑ FURNISH AS CORRECTED

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SDE Inc.
CONSULTING ENGINEERS
Date 10-21-92 By

#854 ATLAS CONST. CO.
AMITY HIGH SCHOOL
WOODBRIDGE, CONN.

SUBMIT NO.
REVIEW BY

RECEIVED
OCT 26 1992
Atlas Construction

ASI INC.
MECHANICAL CONTRACTORS

| | | | |
|---|---|---|---|
| CHK. | | DON S. WEIS | Sheet 1 Of |
| DATE 9-19-92 | JOB | DRAFTING & DESIGN | Drawing No. M-1 |

AMITY H.S.

PART B 2ND FL. HVAC PLAN | M-1 2.2

# PROJECT GENERAL NOTES

*GENERAL*

1. WHEN A CONFLICT BETWEEN THE DRAWINGS, NOTES AND/OR SPECIFICATIONS OCCUR, THE MORE STRINGENT, AND/OR LARGER QUANTITY AND/OR MORE EXPENSIVE SHALL APPLY. THE REQUIREMENTS LISTED WITHIN NOTES OR SPECIFICATIONS SHALL BE REQUIRED, PROVIDED AND INSTALLED WHETHER SPECIFICALLY INDICATED ON THE DRAWINGS OR NOT.

2. ALL WORK AND ACTION DEPICTED AND DESCRIBED SHALL BE PERFORMED BY THE CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE.

3. REPAIR AND/OR REPLACE AT NO COST TO THE OWNER ALL EQUIPMENT, DEVICES AND MATERIALS DAMAGED DURING CONSTRUCTION.

4. ALL EQUIPMENT SHALL BE LOCATED IN ACCESSIBLE LOCATIONS. WHEN A PIECE OF EQUIPMENT MUST BE LOCATED ABOVE AN INACCESSIBLE CEILING OR WALL, THEN AN APPROPRIATE ACCESS DOOR SHALL BE PROVIDED. THESE SHALL BE COORDINATED WITH THE OWNER AND ARCHITECT.

5. ANY COP REQUEST FOR ELECTRICAL WORK AFTER AWARD MUST BE BASED ON NORMAL NECA COMMERCIAL LABOR UNITS & NATIONAL AVERAGE MATERIAL AMP MATERIAL COST PRICES; NATIONAL AVERAGE AMP DATA BASE FOR MATERIAL AND NECA LABOR RATES MUST BE SUBMITTED TO THE ENGINEER OF RECORD AT THE TIME OF AWARD.

*WIRING & RACEWAY*

1. THE DRAWINGS SHOW THE GENERAL LAYOUT AND TYPICAL DETAILS, PROVIDE ALL NECESSARY EQUIPMENT AND LABOR FOR A COMPLETE SYSTEM. DRAWINGS ARE BASED ON THE SPECIFIED EQUIPMENT, RACEWAY LAYOUTS, BOXES AND WIRING OF THE SYSTEMS ARE SUBJECT TO APPROVED SHOP DRAWINGS.

2. ENSURE THAT ITEMS TO BE FURNISHED FIT THE SPACE AVAILABLE. MAKE NECESSARY FIELD MEASUREMENTS TO ASCERTAIN SPACE REQUIREMENTS, INCLUDING THOSE FOR CONNECTIONS, AND PROVIDE SUCH SIZES AND SHAPES OF EQUIPMENT THAT FINAL INSTALLATION SHALL SATISFY THE INTENT OF THE DRAWINGS AND SPECIFICATIONS.

3. LOCATIONS OF OUTLETS, SWITCHES, APPLIANCES, ETC. AS SHOWN ON ELECTRICAL PLANS ARE APPROXIMATE; COORDINATE WITH ARCHITECTURAL AND MECHANICAL PLANS AND DETAILS, AND PROJECT CONDITIONS. INSTALL SWITCHES WITH "OFF" POSITION DOWN. INSTALL RECEPTACLES WITH GROUNDING POLE IN THE UP POSITION FOR VERTICAL MOUNTING AND AT RIGHT FOR HORIZONTAL MOUNTING.

4. LOCATE AND INSTALL ELECTRICAL EQUIPMENT, JUNCTION AND PULL BOXES, PANELBOARDS, SWITCHES, CONTROLS, AND OTHER APPARATUS REQUIRING MAINTENACE, INSPECTION, AND OPERATION SO AS TO BE READILY ACCESSIBLE.

*RACEWAY INSTALLATION*

1. IN ALL ARCHITECTURALLY FINISHED SPACES, CONDUITS AND CABLES SHALL BE RUN CONCEALED IN HUNG OR FURRED CEILINGS, SLABS, MASONRY, AND PARTITIONS UNLESS OTHERWISE INDICATED. SAW CUTTING AND FINISHED PATCHING SHALL BE REQUIRED IN EXISTING SLABS AND MASONRY WALLS. IN UNFINISHED SPACES, RACEWAYS MAY BE RUN EXPOSED.

2. UNLESS OTHERWISE INDICATED, EXACT ROUTING OF RACEWAYS SHALL BE DETERMINED BY THE CONTRACTOR TO SUIT PROJECT REQUIREMENTS AND FIELD CONDITIONS.

3. PROVIDE SEPARATE RACEWAYS, JUNCTION BOXES, PULL BOXES AND WIREWAYS FOR ALL EMERGENCY SYSTEM WIRING.

4. CONTRACTOR SHALL PROVIDE ALL REQUIRED SLEEVES AND SEALS FOR PIPES OR CONDUITS PENETRATING WALLS OR FLOOR SLABS WITH UL LISTED FIRE STOPPING SEALANT MATCHING OR EXCEEEDING THE FLOR OR WALL RATING WHERE REQUIRED.

5. ELECTRICAL CONDUITS AND BOXES SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS WHEREVER POSSIBLE. WHERE SURFACE CONDUIT(S) ARE REQUIRED IT MUST MATCH THE WALL COLOR (PAINTED) THAT IT IS BEING ATTACHED TO; REFER TO RACEWAY & BOX SPECIFICATION FOR FURTHER DETAILS.

*WIRING INSTALLATION*

1. DO NOT USE WIRE SMALLER THAN NO. 12 AWG FOR ANY POWER OR LIGHTING CIRCUIT. USE LARGER SIZES WHERE INDICATED, AS REQUIRED BY CODES, AND AS FOLLOWS:

   30 AMPERE CIRCUIT: NO. 10
   40 AMPERE CIRCUIT: NO. 8
   50 AMPERE CIRCUIT: NO. 6
   60 AMPERE CIRCUIT: NO. 6

A. MINIMUM HOMERUN AND BRANCH CIRCUIT WIRING SIZES AND MAXIMUM HOMERUN CONDUIT FILL FOR 120 VOLT, 20 AMPERE CIRCUITS SHALL BE AS FOLLOWS:

| LENGTH | *CIRCUIT* WIRE SIZE | *HOME RUN* WIRE SIZE | *CONDUIT SIZE* (8 WIRES/CONDUIT) |
|---|---|---|---|
| 0' - 50' | #12 | #12 | 3/4" |
| 51' - 100' | #12 | #10 | 3/4" |
| 101' - 200' | #10 | #8 | 1" |

GREATER THAN 200' - REQUEST DIRECTION FROM ARCHITECT.

*NOTE: PROVIDE DERATING PER CODE WHEN INSTALLING MORE THAN 3 CURRENT CARRYING CONDUCTORS IN A SINGLE CONDUIT.*

B. MINIMUM HOMERUN AND BRANCH CIRCUIT WIRING SIZES AND MAXIMUM HOMERUN CONDUIT FILL FOR 277 VOLT, 20 AMPERE CIRCUITS SHALL BE AS FOLLOWS:

| LENGTH | *CIRCUIT* WIRE SIZE | *HOME RUN* WIRE SIZE | *CONDUIT SIZE* (8 WIRES/CONDUIT) |
|---|---|---|---|
| 0' - 100' | #12 | #12 | 3/4" |
| 101' - 200' | #12 | #10 | 3/4" |

GREATER THAN 200' - REQUEST DIRECTION FROM ARCHITECT.

*NOTE: PROVIDE DERATING PER CODE WHEN INSTALLING MORE THAN 3 CURRENT CARRYING CONDUCTORS IN A SINGLE CONDUIT.*

2. DO NOT USE WIRE SMALLER THAN N0. 14 AWG FOR CONTROL CIRCUITS UNLESS OTHERWISE RECOMMENDED BY THE EQUIPMENT OR SYSTEMS MANUFACTURER ON WIRING SHOP DRAWINGS, AND SO APPROVED BY THE ENGINEER.

3. WHERE GREATER THAN THREE (3) CURRENT CARRYING CONDUCTORS ARE INSTALLED IN ANY ONE CONDUIT OR CABLE, CONDUCTORS MUST BE DERATED AND SIZES INCREASED, IF NEEDED, TO ACCOMMODATE CONDUTORS DERATING AS REQUIRED BY NEC ARTICLE 310.

4. CONDUCTORS SHALL BE COMPLETELY INSTALLED AND CONNECTED. PROVIDE ALL TERMINALS, LUGS, AND CONNECTORS TO SUIT THE APPLICATION, AND IN COMPLIANCE WITH EQUIPMENT MANUFACTURERS' RECOMMENDATIONS.

5. UNDER NO CIRCUMSTANCES SHALL ANY SWITCH OR CIRCUIT BREAKER BREAK A NEUTRAL CONDUCTOR.

6. THE CIRCUIT NUMBERS INDICATED ON THE DRAWINGS ARE INTENDED AS A GUIDE FOR PROPER CONNECTIONOF CIRCUITS AT PANELS. HOWEVER, IT SHALL BE THE RESPONSIBILTY OF THE CONTRACTOR TO ENSURE THAT THE FINAL CICUITING WORK FULFILLS THE FOLLOWING CONDITIONS:

A. LOADS ON PANEL BUSSES SHALL BE PHASE BALANCED AS EVENLY AS POSSIBLE.

*GROUNDING INSTALLATION*

1. EQUIPMENT GROUNDING

A. INSTALL AN INSULATED GROUND CONDUCTOR, RUN IN THE RACEWAY WITH THE PHASE CONDUCTORS, FOR EACH FEEDER SERVING: PANELBOARDS, LIGHTING DIMMER PANELS, MOTOR CONTROL CENTERS, MOTORS, EQUIPMENT AND APPLIANCES UNLESS OTHERWISE NOTED.

B. INCLUDE AN INSULATED GROUND CONDUCTOR IN ALL CONDUIT RUNS CONTAINING SECTIONS OF FLEXIBLE CONDUIT UNLESS OTHERWISE NOTED.

C. INCLUDE AN INSULATED GROUND CONDUCTOR IN ALL BRANCH CIRCUIT RACEWAYS OR CABLES UNLESS OTHERWISE NOTED.

2. TELECOMMUNICATIONS CLOSET GROUNDING

A. PROVIDE A #4 AWG GROUND CONDUCTOR RISER IN 1" EMT CONDUIT TO EACH TELECOMMUNICATIONS CLOSET GROUNDING BUSSBAR (TGB) FROM THE TELECOMMUNICATIONS MAIN GROUNDING BUSSBAR (TMGB), AND TO MAIN SERVICE GROUNDING ELECTRODE SYSTEM.

B. CONNECT THE GROUND RISER TO THE "TMGB" AND "TGB's" PER TIA/EIA STANDARDS 607.

C. PROVIDE ADDITIONAL #4 AWG GROUND CABLE CONNECTIONS FROM EACH "TMGB" AND "TGB" TO THE CLOSEST BUILDING STEEL AND TO THE GROUND BUS IN THE ELECTRIC PANEL FEEDING OUTLETS AND EQUIPMENT IN THE ASSOCIATED TELECOMMUNICATIONS ROOM/CLOSET.

3. GROUND EACH TELECOMMUNICATIONS, FIRE ALARM, SECURITY, AND BMS SYSTEM EQUIPMENT AND CONTROL PANEL WITHIN EACH TELECOMMUNICATIONS ROOM/CLOSET TO THE ASSOCIATED CLOSET "TMGB" OR "TGB" WITH #4 AWG CONDUCTOR PER TIA/EIA STANDARD 607.

*RACEWAYS FOR TELECOMMUNICATION SYSTEMS*

1. PROVIDE EMPTY CONDUIT SYSTEMS FOR TELECOMMUNICATION WORK, COMPLETE WITH PULL BOXES, OUTLET BOXES, AND CONDUIT AS INDICATED ON THE DRAWINGS.

2. PROVIDE MINIMUM INSIDE BENDING RADIUS OF 10 TIMES CONDUIT INSIDE DIAMETER FOR ALL TELECOMMUNICATIONS RACEWAYS.

3. WHEN COMPLETED THE CONDUIT SYSTEMS SHALL BE READY FOR INSTALLATION OF WIRING AND EQUIPMENT.

4. FOR EACH OUTLET PROVIDE A 1" EMPTY EMT CONDUIT ROUTED INTO THE CEILING CAVITY OR TO THE CLOSEST TELECOMMUNICATIONS CLOSET. PROVIDE A PULL STRING IN EACH CONDUIT RUN AND TERMINATE BEYOUND THE BUSHED ELBOW.

*ELEVATOR EQUIPMENT WIRING*

1. WORK INCLUDED

A. ELEVATOR EQUIPMENT WIRING INCLUDES POWER SERVICE CONNECTIONS, TELEPHONE SERVICE CONNECTIONS, PUBLIC ADDRESS SYSTEM CONNECTIONS AND FIRE ALARM SYSTEM CONNECTIONS.

B. ELEVATOR CONTROL WIRING AND INTERLOCK CONTROLS ARE NOT INCLUDED.

2. COMPONENTS

A. PROVIDE DISTRIBUTION PANELBOARD CIRCUIT BREAKER AND SHUNT-TRIP ELEVATOR MACHINE ROOM FUSED DISCONNECT WITH DRY CONTACTS FOR ELEVATOR DRIVE UNIT POWER, AND POWER WIRING COMPLETE TO THE DRIVE UNIT.

B. PROVIDE BRANCH CIRCUITS FOR ELEVATOR CAR LIGHTS, MACHINE ROOM GFCI RECEPTACLE, AND MACHINE ROOM LIGHTS; USE EMERGENCY POWER WHERE AVAILABLE.

C. PROVIDE CONDUIT FOR ELEVATOR COMMUNICATIONS SYSTEM.

D. PROVIDE CONDUIT AND WIRE FOR ELEVATOR RECALL SYSTEM; COORDINATE REQUIREMENTS WITH FIRE ALARM SYSTEM.

E. PROVIDE ELEVATOR PIT, TOP OF SHAFT AND MACHINE ROOM LIGHTS, RECEPTACLES AND SWITCHES PER CODE.

F. PROVIDE CONNECTIONS FOR ELEVATOR PIT SUMP PUMP (WHERE REQUIRED).

G. PROVIDE HEAT DETECTORS AT THE TOP OF THE SHAFT, PIT (WHERE REQUIRED) AND MACHINE ROOM, AND INTERLOCK WITH DRIVE UNIT POWER SUPPLY TO DISCONNECT POWER UPON SENSING OF FIRE AND BEFORE ACTIVATION OF ANY SPRINKLER HEADS.

H. PROVIDE LOCKING MECHANISMS FOR OVERCUUENT DEVICES ON BRANCH CIRCUITS SERVING ELEVATOR EQUIPMENT INCLUDING CAB, PIT AND MACHINE ROOM LIGHTING, VENTILATION, RECEPTACLES AND CONTROLLER POWER.

3. COORDINATION

A. COORDINATE ENTIRE INSTALLATION WITH ELEVATOR SYSTEM SUPPLIER PRIOR TO COMMENCEMENT OF WORK.

B. IF THE HORSEPOWER RATING OF THE EQUIPMENT FURNISHED BY THE ELEVATOR SUPPLIER DIFFERS FROM THE HORSEPOWER LISTED ON THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO INSTALLING ANY WORK AND OBTAIN DIRECTION.

*MECHANICAL EQUIPMENT WIRING*

1. UNLESS OTHERWISE INDICATED OR SPECIFIED HEREIN, ALL MOTORS, MOTOR STARTERS, MOTOR CONTROLLERS, VARIABLE SPEED/FREQUENCY DRIVES, AND ASSOCIATED CONTROL DEVICES ARE FURNISHED BY DIVISION 23 AND INSTALLED UNDER THIS DIVISION. ALL LOCAL DISCONNECT SWITCHES UNLESS OTHERWISE NOTED ARE FURNISHED AND INSTALLED UNDER THIS DIVISION. COORDINATE INSTALLATION AND LOCATIONS WITH OTHER DIVISION CONTRACTORS.

2. POWER WIRING FROM THE INDICATED SOURCE TO THE STARTER/CONTROLLER/DRIVE UNIT, AND FROM THE STARTER/CONTROLLER/DRIVE UNIT TO THE MOTOR, INCLUDING ANY LOCAL DISCONNECT SWITCHES PROVIDED AND INSTALLED BY THIS DIVISION, AND ALL ASSOCIATED LUGS, TERMINALS, AND CONNECTIONS, ARE THE WORK OF THIS DIVISION.

3. CONTROL CIRCUIT WIRING IS GENERALLY FURNISHED AND INSTALLED UNDER OTHER DIVISIONS, EXCEPT THAT ANY SUCH WIRING SHOWN ON ELECTRICAL DRAWINGS IS WORK OF THIS DIVISION.

4. PROVIDE 120 VOLT POWER TO ALL TEMPERATURE CONTROL PANELS (TCP's) SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR. USE EMERGENCY POWER SOURCES WHEN AVAILIBLE. COORDINATE ALL POWER REQUIREMENTS AND PANEL LOCATIONS WITH TEMPERATURE CONTROLS CONTRACTOR.

5. COOPERATE AND COORDINATE WITH OTHER TRADES IN THE INSTALLATION, CONNECTION, AND TESTING OF MECHANICAL EQUIPMENT. PERFORM WORK OF THIS SECTION IN ACCORDANCE WITH EQUIPMENT MANUFACTURERS' INSTRUCTIONS.

*COORDINATION DRAWINGS*

1. DEVELOP AND SUBMIT COORDINATION DRAWINGS AS OUTLINED.

A. SHEET METAL, PLUMBING AND FIRE PROTECTION SHOP DRAWINGS THAT HAVE BEEN COORDINATED WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS SHAL BE SUBMITTED TO ENGINEER FOR REVIEW. DRAWINGS MUST BE RETURNED FROM ENGINEER EITHER "REVIEWED" OR "FURNISH AS CORRECTED" PRIOR TO BEING USED AS BASIS FOR COORDINATION DRAWINGS.

B. AFTER SHEET METAL AND PIPING DRAWINGS HAVE BEEN REVISED PER ENGINEERS COMMENTS, REPRODUCIBLE COPIES SHALL BE SENT TO THE TRADES IN THE FOLLOWING SEQUENCE FOR INCLUSION OF THEIR WORK:

- MECHANICAL SHEET METAL
- PLUMBING PIPING
- MECHANICAL PIPING
- SPRINKLER PIPING
- ELECTRICAL WORK

2. AFTER ALL TRADES HAVE INCLUDED THEIR WORK ON THE COORDINATION DRAWING AND NOTED CONFLICTS, ALL TRADES SHALL MEET TO RESOLVE CONFLICTS AND AGREE TO ACCEPTABLE SOLUTIONS. EACH TRADE SHALL SIGN COORDINATION DRAWINGS. ITEMS NOT SHOWN ON COORDINATION DRAWING IS RESPONSIBILITY OF OMITTING CONTRACTOR AND CONTRACTOR IS SUBJECT TO ADDITIONAL COSTS INCURRED BY OTHER TRADES.

3. THE ARCHITECT AND ENGINEER ARE NOT PART OF THE COORDINATION DRAWING PROCESS. THE ENGINEER WILL PROVIDE ASSISTANCE FOR NOTED CONFLICTS ONLY. COODINATION DRAWINGS ARE NOT BE CONSIDERED PIPING OR DUCT SHOP DRAWINGS. THE CONTRACTOR IS REQUIRED TO SUBMIT INDIVIDUAL PIPING AND DUCTWORK SHOP DRAWINGS FOR REVIEW BY THE ENGINEER. PIPING AND DUCTWORK SHOP DRAWINGS SHALL FOLLOW THE DESIGN INTENT OF THE CONTRACT DOCUMENTS.

4. SUBMIT FINAL SIGNED COORDINATION DRAWING TO ENGINEER FOR REVIEW. ENGINEER WILL REVIEW COORDINATION DRAWINGS FOR GENERAL ARRANGEMENT AND FOR NOTED CONFLICTS ONLY. SPECIFIC INSTALLATION REQUIREMENTS WILL BE REVIEWED ONLY IN INDIVIDUAL TRADE SHOP DRAWINGS.

5. ANY WORK FABRICATED OR INSTALLED PRIOR TO SIGN OFF BY ALL TRADES WHICH IS DEEMED TO BE IN CONFLICT WITH COORDINATION DRAWINGS SHALL BE REMOVED AND RE-INSTALLED IN CONFORMANCE WITH COORDINATION DRAWINGS AT NO ADDITIONAL COST TO THE OWNER.

6. EACH CONTRACTOR (MENTIONED ABOVE) ARE RESPONSIBLE FOR COORDINATION OF THEIR SUB-CONTRACTORS.

7. THE OVERALL COORDINATION OF THE COORDINATION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER IS NOT RESPONSIBLE FOR THE COORDINATION PROCESS. THE ENGINEER WILL RESPOND TO QUESTIONS THAT ARISE FROM THE COORDINATION PROCESS. DRAWINGS SUBMITTED WILL BE REVIEWED FOR CLEARLY IDENTIFIED CONFLICTS ONLY. SOLUTIONS TO CONFLICTS WILL NOT BEAR ADDITIONAL COST.

*AS BUILT DRAWINGS*

1. PROVIDE COMPLETE SET OF AS-BUILT DRAWINGS REFLECTING AS INSTALLED CONDITIONS. AS-BUILT DRAWINGS SHALL INDICATE ALL INSTALLED CONDITIONS OF SYSTEMS WITHIN THIS DISCIPLINE. DRAWINGS SHALL BE SIMILAR SCALE AS THE CONSTRUCTION DOCUMENTS AND INCLUDE DETAILS AS NECESSARY TO CLEARLY REFLECT THE INSTALLAED CONDITION. DRAWINGS SHALL BE BOUND IN A COMPLETE AND CONSECUTIVE SET. SUPPLEMENTAL SKETCHES AND LOOSE PAPERWORK WILL NOT BE ACCETABLE AND WILL BE RETURNED FOR REVISION. THE CONTRACTOR SHALL COMPLY WITH THE ENGINEERS COMMENTS TO PRODUCE A CLEAR AND CONCISE SET OF DRAWINGS. DRAWINGS SHALL BE SUBMITTED IN BOTH HARD COPY AND ELECTRONICALLY (AUTOCAD VERSION AS REQUIRED BY OWNER) VERSION. NUMBER OF COPIES OF EACH AS REQUESTED BY THE OWNER.

2. PROVIDE "AS-BUILT DRAWINGS" INDICATING INA NEAT AND ACCURATE MANNER A COMPLETE RECORD OF ALL REVISIONS TO THE ORIGINAL DESIGN OF THE WORK. INDICATE THE FOLLOWING INSTALLED CONDITIONS:

A. INCLUDE ALL CHANGES AND AN ACCURATE RECORD, ON REPRODUCTIONS OF THE CONTRACT DRAWINGS OR APPROPRIATE SHOP DRAWING.

B. DRAWINGS, OF ALL DEVIATIONS, BETWEEN THE WORK SHOWN AND THE WORK INSTALLED.

C. EQUIPMENT LOCATIONS (EXPOSED AND CONCEALED), DIMENSIONED FROM PROMINENT BUILDING LINES.

D. APPROVED SUBSTITUTIONS, CONTRACT MODIFICATIONS, AND ACTUAL EQUIPMENT AND MATERIALS INSTALLED.

E. CONTRACT MODIFICATIONS, ACTUAL EQUIPMENT AND MATERIALS INSTALLED.

F. SUBMIT FOR REVIEW BOUND SETS OF THE REQUIRED DRAWINGS, MANUALS AND OPERATING INSTRUCTIONS.

G. SUBMIT A COMPLETE MAINTENANCE MANUAL OF ALL EQUIPMENT INSTALLED UNDER THIS CONTRACT.

# DEMOLITION AND REMOVAL NOTES

1. THE EXISTING FACILITY WILL BE PARTIALLY OCCUPIED AND IN OPERATION DURING THE PERFORMANCE OF THE WORK.

2. WHEN NECESSARY TO TEMPORARILY DISCONNECT ANY EXISTING FEEDER OR BRANCH CIRCUIT SUPPLYING THE OCCUPIED PORTION OF THE FACILITY, CONFIRM WITH THE OWNER , AND SCHEDULE A MUTUALLY AGREEABLE PERIOD OF INTERRUPTION.

3. WHERE REPLACEMENT, RELOCATION OR MODIFICATION OF EXISTING EQUIPMENT IS INDICATED, PROVIDE AND MAINTAIN ALL TEMPORARY FEEDERS, CONNECTIONS, CIRCUIT PROTECTION, AND ANY OTHER MATERIALS AND APPURTENANCES REQUIRED TO MAINTAIN SERVICES TO THE OCCUPIED AREAS.

4. NO WORK SHALL BE LEFT INCOMPLETE, NOR ANY HAZARDOUS SITUATIONS CREATED, WHICH WILL AFFECT THE LIFE OR SAFETY OF THE PUBLIC AND/OR BUILDING OCCUPANTS. AT NO TIME SHALL THE WORK INTERFERE WITH OR CUT OFF ANY OF THE EXISTING SERVICES WITHOUT THE OWNER'S PRIOR WRITTEN PERMISSION.

5. THE OWNER RESERVES THE RIGHT TO OPERATE ALL EXISTING ELECTRICAL AND MECHANICAL EQUIPMENT NOT INCLUDED IN THIS WORK, AND TO PERFORM ALL REQUIRED SERVICING AND REPAIRS TO SAME, AT ALL TIMES.

6. IT IS REQUIRED THAT THE WORK INDICATED AND/OR SPECIFIED SHALL BE CARRIED OUT WITH A MINIMUM OF INTERFERENCE TO THE ESTABLISHED OPERATIONS OF THE BUILDING.

7. REMOVE, ABANDON, REROUTE, RELOCATE ANY CONDUIT, WIRING, LIGHTING FIXTURES, OUTLETS, AND OTHER ELECTRICAL ITEMS, WHICH ARE LAID BARE IN THE COURSE OF, OR INTERFERENCE WITH, THE ALTERATIONS. REMOVE ALL EXPOSED OUTLETS, CONDUIT, AND BRANCH CIRCUIT WORK, WHICH INTERFERE WITH THE ALTERATIONS.

8. IT IS THE INTENT OF THESE SPECIFICATIONS TO PROVIDE FOR THE CONTINUANCE OF ELECTRICAL SERVICES PRESENTLY INSTALLED IN THE UNALTERED AREAS. PROVIDE ALL CONDUIT, WIRING, AND DEVICES NECESSARY TO MAINTAIN SERVICES TO THESE AREAS.

9. COMPARE THE PLANS WITH THE EXISTING CONDITIONS TO DETERMINE THE AMOUNT OF WORK AFFECTED. REMOVE ALL UNUSED EXPOSED CIRCUIT WORK, OUTLETS, FIXTURES AND THE LIKE NOT REQUIRED BY THE ALTERATIONS.

10. ALL MATERIALS REQUIRED TO BE REMOVED AND NOT REINSTALLED UNDER THIS DIVISION OF WORK, UNLESS OTHERWISE INDICATED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE REMOVED FROM THE SITE.

11. WHERE FEEDERS AND BRANCH CIRCUITS OR DEVICES AND EQUIPMENT ARE INDICATED TO BE REMOVED, CONDUCTORS AND CABLES SHALL BE COMPLETELY REMOVED BACK TO THEIR SOURCE. EXPOSED OR ACCESSIBLE CONDUITS SHALL BE REMOVED COMPLETELY; CONDUITS EMBEDDED IN CONCRETE OR MASONRY SHALL BE CUT OFF FLUSH AND THE SURFACE PATCHED SMOOTH AND LEVEL.

12. REMOVED MATERIALS SHALL BE DISPOSED OF USING A LICENSED CARTING SERVICE.

13. CONTRACTOR SHALL REMOVE ALL ELECTRICAL EQUIPMENT IN OR ON WALLS THAT ARE TO BE REMOVED - MAINTAIN CONTINUITY OF ALL EXISTING BRANCH CIRCUITRY TO EXISTING ROOMS NOT BEING RENOVATED, REWIRE ALL EXISTING BRANCH CIRCUITS (THAT ARE TO REMAIN) AS REQUIRED. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS FOR WALLS BEING REMOVED - REFER TO CONSTRUCTION SCHEDULE FOR TIME DELAY.

14. OUTAGES OF EXISTING ELECTRICAL (LIGHTING, POWER, AND SIGNAL) SYSTEMS NECESSITATED BY WORK OF ALL TRADES SHALL BE IN ACCORDANCE WITH FIELD SCHEDULES BY THE GENERAL CONTRACTOR AND OWNER - INCLUDE ALL ELECTRICAL WORK OVERTIME AND SUPERVISION TO COMPLY - CONTRACTOR SHALL OBTAIN OWNER'S AND GENERAL CONTRACTOR'S APPROVAL PRIOR TO DISRUPTING OF EXISTING ELECTRICAL SYSTEMS.

15. CONTRACTOR TO MAINTAIN CONTINUITY AND ACCESSIBILITY OF ALL EXISTING SYSTEMS AND SYSTEM EQUIPMENT FEEDERS WHICH MAY BE DISRUPTED FROM WORK OF OTHER TRADES.

16. ANY EXISTING ELECTRICAL WORK WHICH IS PULLED OUT OR CUT AWAY SHALL BE REMOVED FROM THE SITE AS DIRECTED BY THE GENERAL CONTRACTOR AND THE OWNER.

17. EXISTING ELECTRICAL EQUIPMENT WHICH IS NOT TO BE REUSED SHALL BE REMOVED FROM DRYWALL PARTITIONS. ANY OPENING IN THE EXISTING PARTITIONS BY REMOVAL OF EXISTING ELECTRICAL EQUIPMENT SHALL BE PATCHED BY THIS CONTRACTOR WITH MATERIALS TO MATCH EXISTING.

18. FOR PURPOSES OF THE CONTRACT, WHAT IS NOTED OR SHOWN ON THE DRAWINGS INDICATES THE SCOPE OF WORK REQUIRED AND THE QUALITY OF MATERIALS.

19. CONTRACTOR TO EXAMINE ALL CONTRACT DOCUMENTS AND PERFORM ALL DEMOLITION BOTH FOR AREAS BEING RENOVATED AND FOR AREAS WHICH MUST BE REWORKED TO PERMIT THE INSTALLATION OF WORK BY VARIOUS TRADES.

20. CONTRACTOR SHALL VISIT THE SITE AND VERIFY THE EXTENT OF DEMOLITION AND REMOVALS PRIOR TO THE SUBMISSION OF BIDS. NO CONSIDERATION SHALL BE GIVEN FOR FAILURE TO VISIT THE SITE.

# ELECTRICAL DRAWING LIST


| | |
|---|---|
| E001 | GENERAL NOTES, ABBREVIATIONS, AND LEGENDS |
| E011 | FIRST FLOOR DEMOLITION PLAN - LIGHTING |
| E021 | FIRST FLOOR DEMOLITION PLAN - POWER |
| E111 | FIRST FLOOR PLAN - LIGHTING |
| E211 | FIRST FLOOR PLAN - POWER |
| E212 | SECOND FLOOR/ROOF PLAN - POWER |
| E401 | PARTIAL ONE LINE DIAGRAM & PANEL SCHEDULES |
| E501 | LIGHT FIXTURE SCHEDULE & DETAILS |


# ABBREVIATIONS (NOT ALL ARE USED)

| | |
|---|---|
| A | AMPERES |
| AFF | ABOVE FINISHED FLOOR |
| AFG | ABOVE FINISHED GRADE |
| AP | ACCESS POINT |
| BF | BOTTLE FILLER |
| C | CONDUIT |
| CB | CIRCUIT BREAKER |
| CFW | COLD FOOD WELL |
| CKT | CIRCUIT |
| CR | CORD REEL |
| DO | DOOR OPERATOR |
| EC | ELECTRICAL CONTRACTOR |
| EM | EMERGENCY (WIRED TO GENERATOR) |
| EWC | ELECTRIC WATER COOLER |
| EWH | ELECTRIC WATER HEATER |
| EX | EXISTING TO REMAIN |
| FAA | FIRE ALARM ANNUNCIATOR |
| FACP | FIRE ALARM CONTROL PANEL |
| FB | FLOOR BOX |
| GFI | GROUND FAULT CIRCUIT INTERRUPTER |
| HD | HAND DRYER |
| HFW | HOT FOOD WELL |
| HT | HEAT TRACE |
| JB | JUNCTION BOX |
| LC | LAPTOP CHARGING CART |
| LSS | LOCAL SOUND SYSTEM |
| MCB | MAIN CIRCUIT BREAKER |
| MD | MOTORIZED DAMPER |
| MLO | MAIN LUG ONLY |
| MTD | MOUNTED |
| MON | MONITOR |
| OHD | OVERHEAD DOOR |
| PNL | PANELBOARD |
| POS | POINT OF SALE |
| PP | POWER POLE |
| PT | POKETHROUGH |
| R | REMOVE & DISPOSE OF |
| RELOC | RELOCATE/RELOCATED AT THE SAME HEIGHT (PER NEC REQUIREMENTS) |
| SB | SMARTBOARD |
| SF | SENSOR FAUCET |
| SG | SNEEZE GUARD |
| TR | TAMPER RESISTANT |
| UCR | UNDER COUNTER REFRIGERATOR |
| U.O.N. | UNLESS OTHERWISE NOTED |
| WP | WEATHERPROOF |

# ELECTRICAL SYMBOL LEGEND (NOT ALL SYMBOLS ARE USED)

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | DISTRIBUTION PANEL, 480/277 OR 120/208V | $M | DUAL TECHNOLOGY, OCCUPANCY SENSOR SWITCH; MOUNT AT 48" AFF | B | ELECTRICAL ALARM BELL, FOR DRY AND WET CONDITIONS | MM | FIRE ALARM MONITORING MODULE DEVICE | P | PUSH PLATE DOOR OPERATOR, PROVIDED WITH DOOR HARDWARE WIRED BY CONTRACTOR |
| | ELECTRICAL PANEL, 480/277V | $D | 0-10V SLIDE DIMMER WITH POSSITIVE OFF SWITCH; MOUNT AT 48" AFF, COMPATIBLE WITH LOAD CONTROLLED | E | CALL-FOR-AID CORRIDOR LIGHT/BUZZER, MOUNT AT 7'-6" AFF | CR | CARD READER: INCLUDE WIRING & RACEWAY FOR COMPLETE SYSTEM | DO | GARAGE DOOR OPERATOR |
| | ELECTRICAL PANEL, 120/208V | $3D | MULTI-LOCATION 0-10V SLIDE DIMMER WITH POSSITIVE OFF SWITCH; MOUNT AT 48" AFF, COMPATIBLE WITH LOAD CONTROLLED | E | CALL-FOR-AID SWITCH. MOUNT AT 36" AFF WITH PULL CORD HANGING DOWN TO 6" AFF | DC | DOOR CONTACT: INCLUDE WIRING & RACEWAY FOR COMPLETE SYSTEM | J | RECESSED FLOOR MOUNTED JUNCTION BOX |
| | PANELBOARD FLUSH MOUNTED, 120/208V | $4D | MULTI-LOCATION 0-10V SLIDE DIMMER WITH POSSITIVE OFF SWITCH; MOUNT AT 48" AFF, COMPATIBLE WITH LOAD CONTROLLED | CKT | BRANCH CIRCUIT HOMERUN (VOLTAGE, BRANCH CIRCUIT POLES) | K | SECURITY KEYPAD: INCLUDE WIRING & RACEWAY FOR COMPLETE SYSTEM | | |
| | PANELBOARD SURFACE MOUNTED, 120/208 V | $K | KEYED SINGLE POLE SWITCH; MOUNT AT 48" AFF | OC | CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR (INFRARED/ULTRASONIC) WITH 360° COVERAGE | | SECURITY BULLET CAMERA: INCLUDE WIRING & RACEWAY FOR COMPLETE SYSTEM | | |
| | NON-FUSED DISCONNECT SWITCH | $3K | KEYED 3-WAY SWITCH; MOUNT AT 48" AFF | OC HB | CEILING MOUNTED HIGH BAY DUAL TECHNOLOGY OCCUPANCY SENSOR (15-45 FT HIGH MOUNTING RANGE) WITH 360° COVERAGE | M | SECURITY MOTION DETECTOR: INCLUDE WIRING & RACEWAY FOR COMPLETE SYSTEM | | |
| | FUSED DISCONNECT SWITCH | $4K | KEYED 4-WAY SWITCH; MOUNT AT 48" AFF | OC | WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR (INFRARED/ULTRASONIC) WITH 360° COVERAGE | AP | CEILING MOUNTED DATA JACK: #D DEPICTS # OF JACKS NEEDED. PROVIDE CONDUIT FROM BOX TO ACCESSIBLE CEILING SPACE. | | |
| J | WALL MOUNTED JUNCTION BOX, ACCORDING TO NEC REQUIREMENTS | $P | SINGLE POLE SWITCH WITH PILOT LIGHT; MOUNT AT 48" AFF | F | FIRE ALARM MANUAL PULL STATION - 48"AFF U.O.N. | AP | CEILING MOUNTED WIRELESS ACCESS POINT : #D DEPICTS # OF JACKS NEEDED. | | |
| J | CEILING MOUNTED JUNCTION BOX, ACCORDING TO NEC REQUIREMENTS | $3P | 3-WAY SWITCH WITH PILOT LIGHT; MOUNT AT 48" AFF | | FIRE ALARM AUDIO/VISUAL DEVICE - 80"AFF U.O.N.; "SG" DENOTES SECURITY GRADE WIRE GUARD | TV | COAX JACK: INCLUDE WIRING & RACEWAY FOR COMPLETE SYSTEM | | |
| J MD | JUNCTION BOX FOR MOTORIZED DAMPER | | DUPLEX RECEPTACLE; MOUNT AT 18" AFF UNLESS OTHERWISE SPECIFIED | | FIRE ALARM STROBE LIGHT - 80"AFF U.O.N. | | CEILING MOUNTED DATA JACK: #D DEPICTS # OF JACKS NEEDED. PROVIDE CONDUIT FROM BOX TO ACCESSIBLE CEILING SPACE. | | |
| | RECESSED LIGHT FIXTURE; LETTER INDICATES FIXTURE TYPE | | SINGLE RECEPTACLE; MOUNT AT 18" AFF UNLESS OTHERWISE SPECIFIED | S | SMOKE DETECTOR; "R" DENOTES ELEVATOR RECALL DEVICE | | DATA JACK: #D/#V DEPICTS # OF JACKS NEEDED. PROVIDE CONDUIT FROM BOX TO ACCESSIBLE CEILING SPACE. | | |
| | SINGLE SHOEBOX LIGHT FIXTURE; LETTER INDICATES FIXTURE TYPE | | QUAD RECEPTACLE; MOUNT AT 18" AFF UNLESS OTHERWISE SPECIFIED | CO | CARBON MONOXIDE DETECTOR | | FLOOR MOUNTED DATA JACK: #D/#V DEPICTS # OF JACKS NEEDED. PROVIDE CONDUIT FROM BOX TO ACCESSIBLE CEILING SPACE. | | |
| | WALL MOUNTED LIGHT FIXTURE; LETTER INDICATES FIXTURE TYPE | | QUAD RECEPTACLE; MOUNTED 6" ABOVE COUNTER/COMPUTER SHELF OR 48" TO CENTER OF DEVICE (NOT OVER A COUNTER) UNLESS OTHERWISE NOTED | H | HEAT DETECTOR | | EXTERIOR RATED ANTENNAE: INCLUDE WIRING & RACEWAY FOR COMPLETE SYSTEM | | |
| | TYPICAL RECESSED LIGHT FIXTURE; LETTER INDICATES FIXTURE TYPE | | DUPLEX RECEPTACLE; MOUNTED 6" ABOVE COUNTER/COMPUTER SHELF OR 48" TO CENTER OF DEVICE (NOT OVER A COUNTER) UNLESS OTHERWISE NOTED. "HM" DENOTES DEVICE TO BE HORIZONTALLY MOUNTED. | S D | DUCT MOUNTED IONIZATION SMOKE DETECTOR | S | EXTERIOR RATED SPEAKER HORN: INCLUDE WIRING & RACEWAY FOR COMPLETE SYSTEM | | |
| | LIGHT FIXTURE CONNECTED TO THE EMERGENCY DISTRIBUTION SYSTEM OR INVERTER | | | TS | TAMPER SWITCH | S | CEILING MOUNTED SPEAKER: INCLUDE WIRING & RACEWAY FOR COMPLETE SYSTEM | | |
| | TYPICAL PENDANT/CHAIN HUNG LED FIXTURE; LETTER INDICATES FIXTURE TYPE | WP | RECEPTACLE WITH OUTDOOR RATED "IN-USE" COVER PLATE, PROVIDE FLUSH MOUNTED BOX | FS | FLOW SWITCH | S | WALL MOUNTED SPEAKER: INCLUDE WIRING & RACEWAY FOR COMPLETE SYSTEM | | |
| | TYPICAL SURFACE MOUNTED FIXTURE; LETTER INDICATES FIXTURE TYPE | ACR | AUTOMATICALLY CONTROLLED RECEPTACLE; HALF THE DEVICE SHALL BE CONTROLLED BY ROOM OCCUPANCY/VACANCY SENSOR PER THE ENERGY CODE WHILE THE OTHER HALF IS WIRED DIRECTLY TO A BRANCH CIRCUIT. DEVICE SHALL HAVE NEC MARKING DENOTING SWITCHED PORTION. | PS | PRESSURE SWITCH | ICM | INTERCOM MASTER STATION: INCLUDE WIRING & RACEWAY FOR COMPLETE SYSTEM | | |
| | CEILING MOUNTED EXIT SIGN, SHADING INDICATES DIRECTION OF FIXTURE FACE, ARROW INDICATES DIRECTION OF CHEVRON, PROVIDE UNSWITCHED POWER FROM AREA LIGHTING CIRCUIT | | | M | MAGNETIC HOLD OPEN | ICD | INTERCOM SUBSTATION: INCLUDE WIRING & RACEWAY FOR COMPLETE SYSTEM | | |
| | DOUBLE FACE EXIT SIGN | | SPECIAL OUTLET CONFIGURATION, REFER TO MANUFACTURERS MANUAL FOR NEMA# | LSS | LOCAL SOUND SYSTEM OVERRIDE | C | WALL MOUNTED CLOCK: INCLUDE WIRING & RACEWAY FOR COMPLETE SYSTEM | | |
| $ | SINGLE POLE SWITCH OR DISCONNECT; MOUNT AT 48" AFF, OR AT EQUIPMENT | | CEILING MOUNTED DUPLEX RECEPTACLE; PROVIDE FLUSH MOUNTED BOX | AFS | ANSUL FIRE SUPPRESSION SYSTEM MONITORING | | WALL MOUNTED COMBINATION CLOCK/SPEAKER: INCLUDE WIRING & RACEWAY FOR COMPLETE SYSTEM | | |
| $3 | 3-WAY SWITCH; MOUNT AT 48" AFF | | FLOOR MOUNTED RECEPTACLE; SEE FLOOR PLANS FOR DETAILS | PA | PA SYSTEM OVERRIDE | $V | VOLUME CONTROL SWITCH; MOUNT AT 48" A.F.F | | |
| $4 | 4-WAY SWITCH; MOUNT AT 48" AFF | CR | CORD REEL; SEE FLOOR PLANS FOR DETAILS | RT | TEST SWITCH WITH REMOTE INDICATOR LIGHT FOR DUCT SMOKE DETECTOR, NUMBER INDICATES QUANTITY AT THAT LOCATION | EPO | EMERGENCY POWER OFF SWITCH (EPO) | | |

PROJECT TITLE:
INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525


SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com


REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE:
GENERAL NOTES, ABBREVIATIONS, AND LEGENDS
PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026
STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: 12" = 1'-0"
DRAWN BY: S. Croteau
PROJECT NUMBER: 23.195
DRAWING NUMBER: E001

4/30/2026 5:08:55 PM

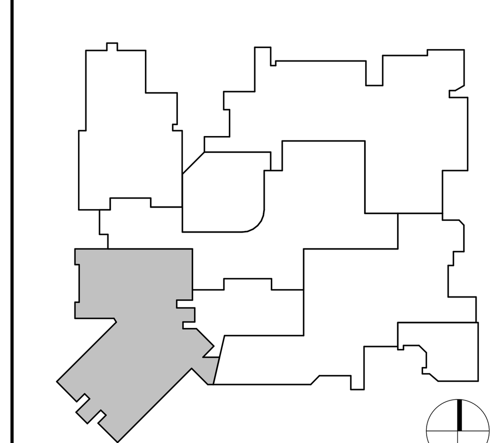
1 FIRST FLOOR LIGHTING DEMOLITION PLAN
1/8" = 1'-0"

## GENERAL DEMOLITION NOTES

1. REFER TO DRAWING E001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
2. ALL EXISTING LIGHT FIXTURES, EXIT SIGNS, OCCUPANCY SENSORS AND LIGHT SWITCHES SHOWN HALF-TONE (LIGHT) ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED. ALL LIGHT FIXTURES, EXIT SIGNS, OCCUPANCY SENSORS AND LIGHT SWITCHES, ETC. SHOWN DARK AND DASHED OR SOLID ARE TO BE REMOVED UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY SUPPORTING ALL EXISTING CABLES/WIRES CURRENTLY UNSUPPORTED AND LAID ACROSS CEILINGS IN ALL AREAS WHERE CEILINGS ARE REMOVED AS PART OF THIS PROJECT.

## DXX DEMOLITION KEY NOTES

| | |
|---|---|
| D01 | CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING RECESSED MOUNTED PARABOLIC 2X4 LIGHT FIXTURE AND ALL ASSOCIATED CONTROL WIRING IN THIS ROOM. EXISTING BRANCH CIRCUIT WIRING SHALL BE MADE SAFE TO SERVE NEW LED LIGHT FIXTURES IN THE SAME LOCATION WITH NEW LIGHTING CONTROLS. |
| D02 | CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING RECESSED MOUNTED "TOGGLE" TYPE LIGHT SWITCH(ES) IN THIS LOCATION INCLUDING COVER PLATE AND ALL ASSOCIATED CONTROL WIRING. EXISTING RECESSED BACK BOX AND CONDUIT SHALL REMAIN AND A BLANK PLATE INSTALLED UNLESS OTHERWISE NOTED. |
| D03 | CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING RECESSED MOUNTED LENSED 2X4 LIGHT FIXTURE AND ALL ASSOCIATED CONTROL WIRING IN THIS LOCATION. EXISTING BRANCH CIRCUIT WIRING SHALL BE MADE SAFE TO SERVE NEW LED LIGHT FIXTURES IN THIS AREA WITH NEW LIGHTING CONTROLS. |
| D04 | CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING PENDANT MOUNTED ROUND LIGHT FIXTURE AND ALL ASSOCIATED CONTROL WIRING. EXISTING BRANCH CIRCUIT SHALL BE MADE SAFE TO SERVE NEW LED LIGHT FIXTURE(S) IN THIS ROOM ALONG WITH NEW LIGHTING CONTROLS. |
| D05 | CONTRACTOR SHALL DISCONNECT, REMOVE AND STORE EXISTING CEILING/WALL MOUNTED OCCUPANCY SENSOR TO BE RELOCATED. ALL ASSOCIATED CONTROL WIRING SHALL BE REMOVED COMPLETELY. |
| D06 | CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING SURFACE/WALL MOUNTED EXIT SIGN AND ALL ASSOCIATED EXPOSED CONDUIT AND WIRING. EXISTING BRANCH CIRCUIT SHALL BE MADE SAFE TO SERVE NEW LED EXIT SIGN. |
| D07 | CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING WALL MOUNTED ROUND CYLANDER DIRECT/INDIRECT LIGHT FIXTURE AND ALL ASSOCIATED CONTROL WIRING. EXISTING BRANCH CIRCUIT SHALL BE MADE SAFE TO SERVE NEW LED LIGHT FIXTURE(S) IN THIS ROOM ALONG WITH NEW LIGHTING CONTROLS. |
| D08 | CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING SURFACE MOUNTED UNDERCOUNTER/CABINET LIGHT FIXTURES INDICATED AT THIS LOCATION AND ALL ASSOCIATED POWER AND CONTROL WIRING BACK TO POINT OF ORIGIN. |




PROJECT TITLE:
INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

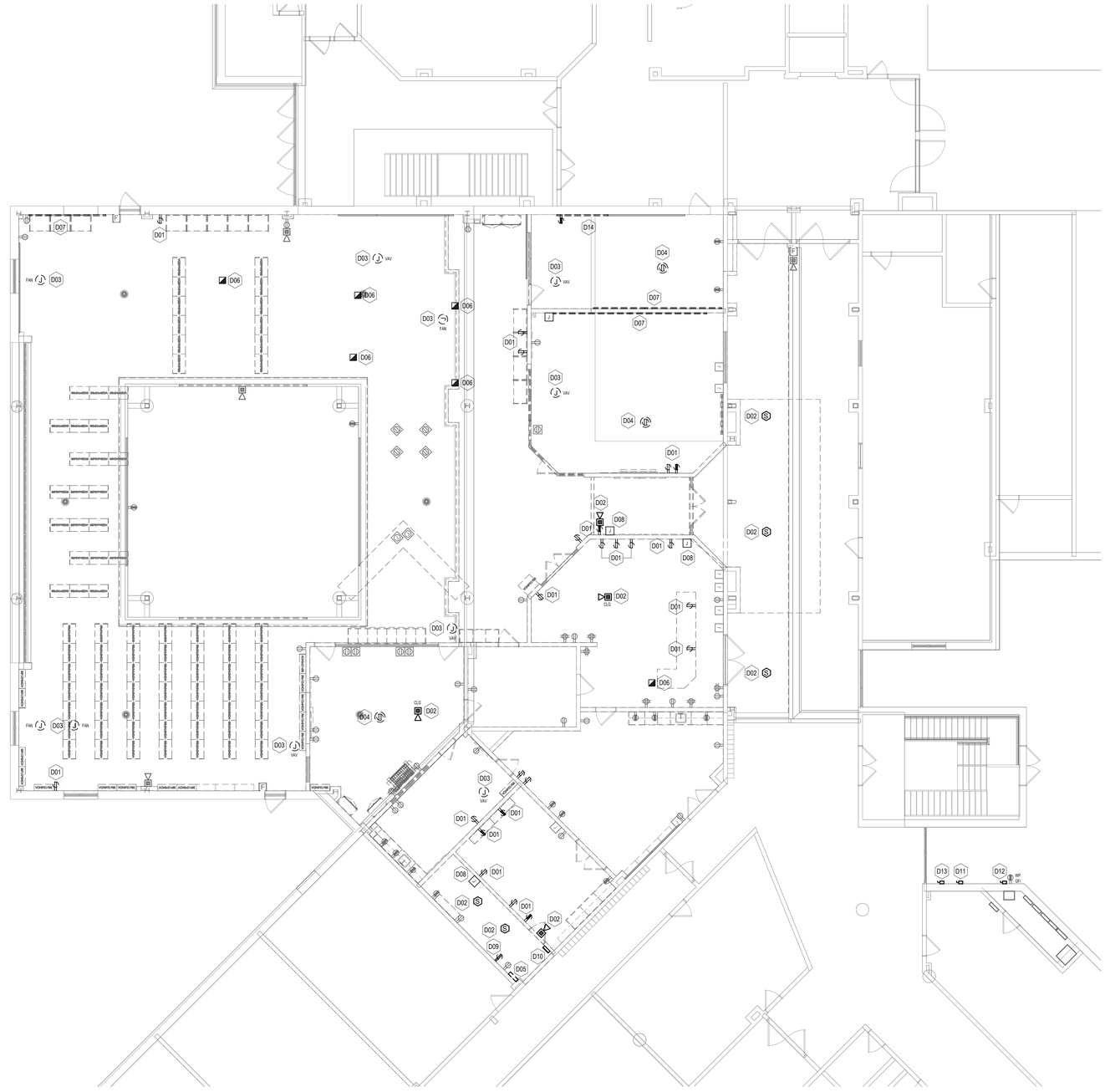
SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

| REVISION: | DESCRIPTION: | DATE: | REVISED BY: |
|---|---|---|---|

DRAWING TITLE: FIRST FLOOR DEMOLITION PLAN - LIGHTING
PROJECT SUBMISSION: ISSUED FOR BID: 05/01/2026
STATE PROJECT NUMBER: 205-0046 A

DATE: 11/07/2025
SCALE: As indicated
DRAWN BY: S. Croteau
PROJECT NUMBER: 23.195
DRAWING NUMBER: E011

4/30/2026 5:41:11 PM




1 FIRST FLOOR POWER DEMOLITION PLAN

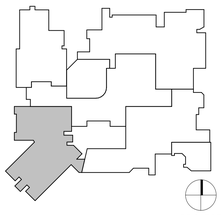
1/8" = 1'-0"

## GENERAL DEMOLITION NOTES

1. REFER TO DRAWING E001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
2. ALL DEVICES (RECEPTACLES, FIRE ALARM, CALL FOR AID, ETC.) AND ELECTRICAL EQUIPMENT (PANELBOARDS, DISCONNECT SWITCHES, ETC.) SHOWN DARK AND DASHED OR SOLID ARE TO BE REMOVED UNLESS OTHERWISE NOTED. ALL DEVICES AND EQUIPMENT SHOWN HALF TONE (LIGHT) AND SOLID ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

## DXX DEMOLITION KEY NOTES

| | |
|---|---|
| D01 | CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING RECEPTACLES INDICATED OR NOT, ON WALLS AND MILLWORK TO BE REMOVED (SHOWN DARK & DASHED). EXISTING BRANCH CIRCUIT WIRING SHALL BE REMOVED COMPLETELY UNLESS SERVING OTHER DEVICES TO REMAIN, THEN REMOVE BACK TO NEAREST ACCESSIBLE JUNCTION BOX. ANY RECESSED DEVICE REMOVED ON AN EXISTING MASONRY WALL TO REMAIN SHALL HAVE THE BACK BOX REMAIN AND HAVE A BLANK PLATE INSTALLED. |
| D02 | CONTRACTOR SHALL DISCONNECT, REMOVE AND RELOCATE EXISTING SURFACE AND RECESSED MOUNTED FIRE ALARM DEVICES INDICATED TO BE REMOVED (SHOWN DARK & SOLID). EXISTING WIRING SHALL BE REMOVED BACK TO NEAREST ACCESSIBLE JUNCTION BOX TO BE USED TO SERVE RELOCATED DEVICES IN THIS AREA. REFER TO POWER PLAN FOR NEW LOCATIONS OF THESE DEVICES. FIRE ALARM DEVICES INDICATED ON WALLS TO REMAIN (SHOWN LIGHT & SOLID) ARE TO REMAIN AND ALL ASSOCAITED WIRING SHALL BE MAINTAINED. |
| D03 | CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING ELECTRICAL CONNECTION TO MECHANICAL EQUIPMENT INDICATED TO BE REMOVED IN THIS LOCATION AND ASSOCIATED BRANCH CIRCUIT WIRING BACK TO POINT OF ORIGIN. |
| D04 | CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING RECESSED CEILING MOUNTED DUPLEX RECEPTACLE SERVING PROJECTOR TO BE REMOVED, ALONG WITH ALL ASSOCIATED ACCESSIBLE CONDUIT AND WIRE BACK TO POINT OF ORIGIN OR NEAREST ACCESSIBLE JUNCTION BOX IF SERVING ANOTHER DEVICE THAT IS TO REMAIN. |
| D05 | CONTRACTOR SHALL DISCONNECT, REMOVE AND RELOCATE EXISTING SURFACE MOUNTED ELECTRICAL PANEL (TECH) 200 AMP 120/208 VOLT 3 PHASE 4 WIRE, 24 CIRCUIT PANEL. EXISTING BRANCH CIRCUIT WIRING AND PANEL FEEDER SHALL BE REMOVED FROM PANEL AND COILED UP AND MADE SAFE TO BE EXTENDED OVER TO NEW LOCATION. REFER TO POWER PLAN (E211) FOR LOCATION. |
| D06 | CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING ELECTRICAL CONNECTIONS TO POWER POLE TO BE REMOVED, INCLUDING BUT NOT LIMITED TO POWER POLE AND ALL CONDUIT AND WIRING BACK TO POINT OF ORIGIN. REFER TO "T" SERIES DRAWINGS FOR REMOVAL OF LOW VOLTAGE CABLES RUN IN THE POWER POLE. |
| D07 | CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING SURFACE MOUNTED DUAL CHANNEL RACEWAY (WIREMOLD) AND ALL POWER RECEPTACLES AND ASSOCIATED BRANCH CIRCUIT WIRING BACK TO POINT OF ORIGIN. REFER TO "T" SERIES DRAWINGS FOR REMOVAL OF LOW VOLTAGE CABLES RUN IN THE SURFACE RACEWAY. |
| D08 | CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING SURFACE AND/OR RECESSED MOUNTED JUNCTION BOX ON EXISTING WALL TO BE REMOVED AND ALL ASSOCIATED WIRING BACK TO POINT OF ORIGIN. |
| D09 | CONTRACTOR SHALL DISCONNECT AND REMOVE THE (2) 30 AMP RECEPTACLES IN THIS ROOM THAT ARE SERVING THE MAIN SERVERS. THE EXISTING BRANCH CIRCUITS (EMP-2/16 & 18) SHALL BE EXTENDED TO THE NEW RECEPTACLES IN THE NEW IDF CLOSET. |
| D10 | CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING CLEAN AGENT ALARM/ACTIVATION PANEL, MANUAL RELEASE STATION, ABORT PUSH BUTTON, ALARM BELL, HORN /STROBE DEVICE, STROBE AND ALL ASSOCIATED WIRING BACK TO POINT OF ORIGIN. |
| D11 | CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING ELECTRICAL CONNECTION TO CONDENSING UNIT SERVING INACTIVE LIEBERT UNIT IN SERVER ROOM, INCLUDING BUT NOT LIMITED TO DISCONNECT SWITCH, BOXES AND ALL ASSOCIATED CONDUIT AND WIRING BACK TO POINT OF ORIGIN. |
| D12 | CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING ELECTRICAL CONNECTION TO DAIKIN CONDENSING UNIT SERVING UNIT IN SERVER ROOM, INCLUDING BUT NOT LIMITED TO DISCONNECT SWITCH, BOXES AND ALL ASSOCIATED CONDUIT AND WIRING BACK TO POINT OF ORIGIN. |
| D13 | CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING ELECTRICAL CONNECTION TO THE MITSUBISHI CONDENSING UNIT INDICATED TO BE REMOVED, INCLUDING BUT NOT LIMITED TO DISCONNECT SWITCH, BOXES AND ALL ASSOCIATED CONDUIT AND WIRING BACK TO POINT OF ORIGIN. |
| D14 | CONTRACTOR SHALL DISCONNECT AND REMOVE APPROXIMATELY 8 FEET OF EXISTING SURFACE MOUNTED DUAL CHANNEL RACEWAY (WIREMOLD) AND ALL POWER RECEPTACLES AND ASSOCIATED BRANCH CIRCUIT WIRING BACK TO POINT OF ORIGIN. REFER TO "T" SERIES DRAWINGS FOR REMOVAL OF LOW VOLTAGE CABLES RUN IN THE SURFACE RACEWAY. |



KEY PLAN

PROJECT NORTH

PROJECT TITLE:
INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE:
FIRST FLOOR DEMOLITION PLAN - POWER

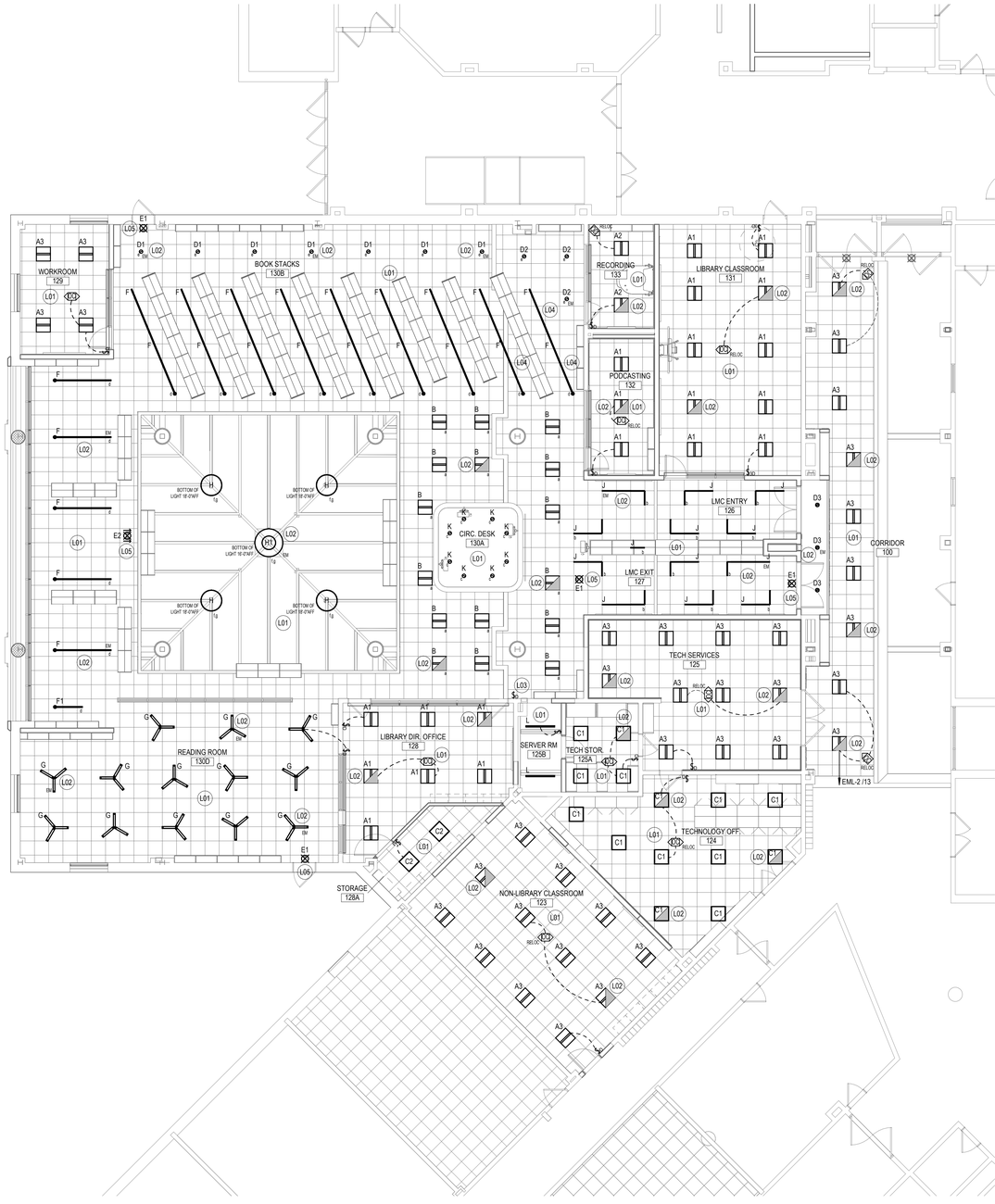
PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026

STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: As indicated
DRAWN BY: S. Croteau
PROJECT NUMBER: 23.195

DRAWING NUMBER: E021

4/30/2026 5:41:12 PM



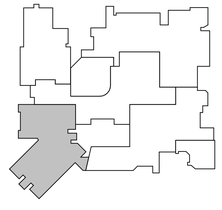

1 FIRST FLOOR LIGHTING PLAN
1/8" = 1'-0"

## GENERAL NOTES

1. REFER TO DRAWING E001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
2. ALL WORK SHALL CONFORM WITH THE ELECTRICAL SPECIFICATIONS AND THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE (NEC).
3. ALL EXISTING LIGHT FIXTURES, EXIT SIGNS, OCCUPANCY SENSORS AND LIGHT LIGHT SWITCHES SHOWN HALF-TONE (LIGHT) ARE EXISTING TO REMAIN AND SHALL REMAIN WIRED. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE CONTINUITY OF ALL EXISTING BRANCH CIRCUITS EFFECTED BY THIS RENOVATION AND PROVIDE ADDITIONAL WIRING AS NEEDED.
4. ALL NEW LIGHT FIXTURES, EXIT SIGNS, OCCUPANCY SENSORS AND LIGHT SWITCHES MOUNTED ON EXISTING CONCRETE WALLS (POURED OR BLOCK) SHALL BE FED WITH SURFACE MOUNTED "WIREMOLD" RACEWAY, TYPE 500 OR 700 SERIES. PROVIDE ALL NECESSARY ACCESSORIES, CONNECTIONS AND FITTINGS FOR A COMPLETE SYSTEM.
5. ALL ROOMS/AREAS THAT HAVE BOTH NORMAL AND EMERGENCY LIGHT FIXTURES EXCEPT BATHROOMS, SHALL BE CONTROLLED TOGETHER VIA A DIMMABLE 924 RELAY UNLESS OTHERWISE NOTED. BATHROOMS SHALL BE CONTROLLED BY A STANDARD NON-DIMMABLE 924 RELAY INSTEAD.

## (LXX) LIGHTING KEY NOTES

| | |
|---|---|
| L01 | CONTRACTOR SHALL WIRE ALL NEW LIGHT FIXTURES IN THIS ROOM TO THE EXISTING BRANCH CIRCUIT(S) THAT PREVIOUSLY SERVED THIS AREA. ALL LIGHTING CONTROLS AND ASSOCIATED WIRING ARE NEW AND SHALL BE FURNISHED AND INSTALLED AS PART OF THIS PROJECT AS INDICATED. |
| L02 | CONTRACTOR SHALL WIRE THIS FIXTURE TO THE EXISTING "EMERGENCY" BRANCH CIRCUIT FROM PANEL (EML-2) THAT SERVES THIS AREA. THIS FIXTURE SHALL BE CONTROLLED WITH THE "NORMAL" LIGHT FIXTURES IN THE ROOM VIA A DIMMABLE 924 RELAY. |
| L03 | CONTRACTOR SHALL INSTALL (7) DIMMER SWITCHES, 3 OVER 4 IN THIS LOCATION. UPPER SWITCHES SHALL BE MOUNTED AT 48" TO CENTER OF SWITCH AND LOWER SWITCHES SHALL BE MOUNTED 6" BELOW UPPER SWITCHES. SWITCH (a) CONTROLS ALL OF THE TYPE "B" FIXTURES. SWITCH (b) CONTROLS ALL OF THE TYPE "J" FIXTURES. SWITCH (c) CONTROLS ALL OF THE TYPE "K" FIXTURES. SWITCH (d) CONTROLS ALL OF THE TYPE "F" FIXTURES. SWITCH (e) CONTROLS ALL OF THE TYPE "D1" & "D2" FIXTURES. SWITCH (f) CONTROLS DOWNLIGHT PORTION OF TYPE "H" & "H1" AND SWITCH (g) CONTROLS UPLIGHT PORTION OF TYPE "H" & "H1". |
| L04 | TYPE "F" INDICATED ARE TO BE SURFACE MOUNTED TO THE LOWER LAY-IN CEILING. RUN PENDANTS THROUGH CEILING AND SUPPORT ABOVE THIS CEILING. |
| L05 | CONTRACTOR SHALL WIRE EXIT SIGN TO EXISTING EMERGENCY BRANCH CIRCUIT FROM PANEL "EML-2" THAT PREVIOUSLY SERVED THIS AREA. EXIT SIGN SHALL BE WIRED TO THE UNSWITCHED SIDE OF THE BRANCH CIRCUIT. |



KEY PLAN

PROJECT TITLE:
INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE:
FIRST FLOOR PLAN - LIGHTING

PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026

STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: As indicated
DRAWN BY: S. Croteau
PROJECT NUMBER: 23.195

DRAWING NUMBER:
E111

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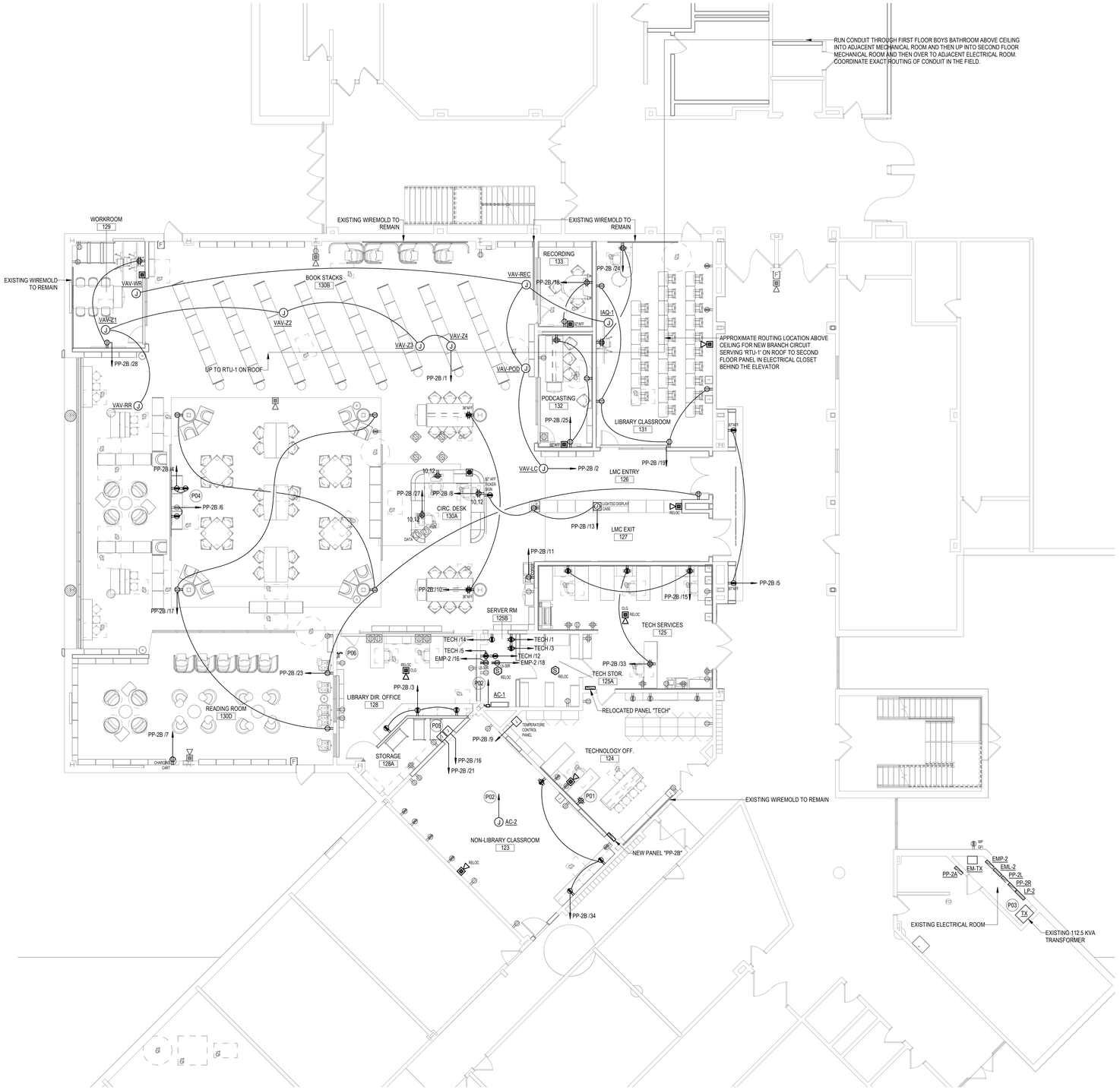



1 FIRST FLOOR POWER PLAN

1/8" = 1'-0"

## GENERAL NOTES

1. REFER TO DRAWING E001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
2. ALL WORK SHALL CONFORM WITH THE ELECTRICAL SPECIFICATIONS AND THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE (NEC).
3. ALL NEW DEVICES MOUNTED ON EXISTING CMU WALLS SHALL BE SURFACE MOUNTED WIREMOLD RACEWAY, TYPE 500 OR 700 SERIES FOR SINGLE SYSTEMS AND TYPE 4000 SERIES FOR MULTIPLE SYSTEMS. PROVIDE ALL NECESSARY ACCESSORIES, CONNECTIONS AND FITTINGS FOR A COMPLETE SYSTEM.
4. ALL EXISTING DEVICES SHOWN HALF-TONE (LIGHT), ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED AND ALL WIRING TO THESE DEVICES SHALL REMAIN. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE CONTINUITY OF ALL EXISTING BRANCH CIRCUITS EFFECTED BY THE RENOVATION AND PROVIDE ADDITIONAL WIRING AS NEEDED.
5. ALL JUNCTION BOXES THAT SERVE MECHANICAL EQUIPMENT (VAV's, FCU's, ERV's, ETC.) SHALL ALSO HAVE A TOGGLE SWITCH DISCONNECT (SINGLE OR TWO POLE) INSTALLED AT THE JUNCTION BOX SERVING AS THE LOCAL DISCONNECT.

## (PXX) POWER KEY NOTES

| | |
|---|---|
| P01 | CONTRACTOR SHALL WIRE NEW QUAD RECEPTACLE INDICATED FROM EXISTING BRANCH CIRCUIT IN THIS ROOM THAT FED THE TWO DUPLEX RECEPTACLES REMOVED FROM THIS WALL. |
| P02 | INDOOR UNIT IS FED FROM CORRESPONDING EXTERIOR UNIT, CONTRACTOR SHALL WIRE PER APPROVED MANUFACTURERS WIRING REQUIREMENTS. |
| P03 | CONTRACTOR SHALL INSTALL A NEW 30KVA TRANSFORMER OVER THE EXISTING TRANSFORMER IN THIS LOCATION. FURNISH AND INSTALL MOUNTING BRACKET/STRUCTURAL SUPPORT TO MOUNT NEW TRANSFORMER TO. |
| P04 | CONTRACTOR SHALL INSTALL A RECEPTACLE BEHIND EACH OF THE FOUR MONITORS (ONE MONITOR HAS AN EXISTING OUTLET BEHIND THAT SERVED A TV IN THE SAME LOCATION). MOUNT RECEPTACLES AT THE FOLLOWING HEIGHTS: LOWER ROW 12'-0" TO CENTER OF DEVICE, AND UPPER ROW 14'-9" TO CENTER OF DEVICES. |
| P05 | CONTRACTOR SHALL INSTALL POWER TO MOTORIZED SHADE CONTROLLERS IN THIS ROOM. COORDINATE EXACT LOCATION FOR CONTROLLERS WITH ARCHITECT AND OWNER. EACH CONTROLLER SHALL CONTROL SHADES ON TWO SIDES OF THE CLEARSTORY (Z1-Z2 & Z3-Z4). |
| P06 | CONTRACTOR SHALL INSTALL FOUR SHADE CONTROL SWITCHES (RAISE-LOWER) IN THIS LOCATION, EACH SWITCH SHALL CONTROL ONE SIDE/ZONE OF THE CLEARSTORY (EAST-Z1, SOUTH-Z2, WEST-Z3 & NORTH-Z4). |

KEY PLAN

PROJECT NORTH

PROJECT TITLE:
INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

| REVISION: | DESCRIPTION: | DATE: | REVISED BY: |
|---|---|---|---|

DRAWING TITLE:
FIRST FLOOR PLAN - POWER

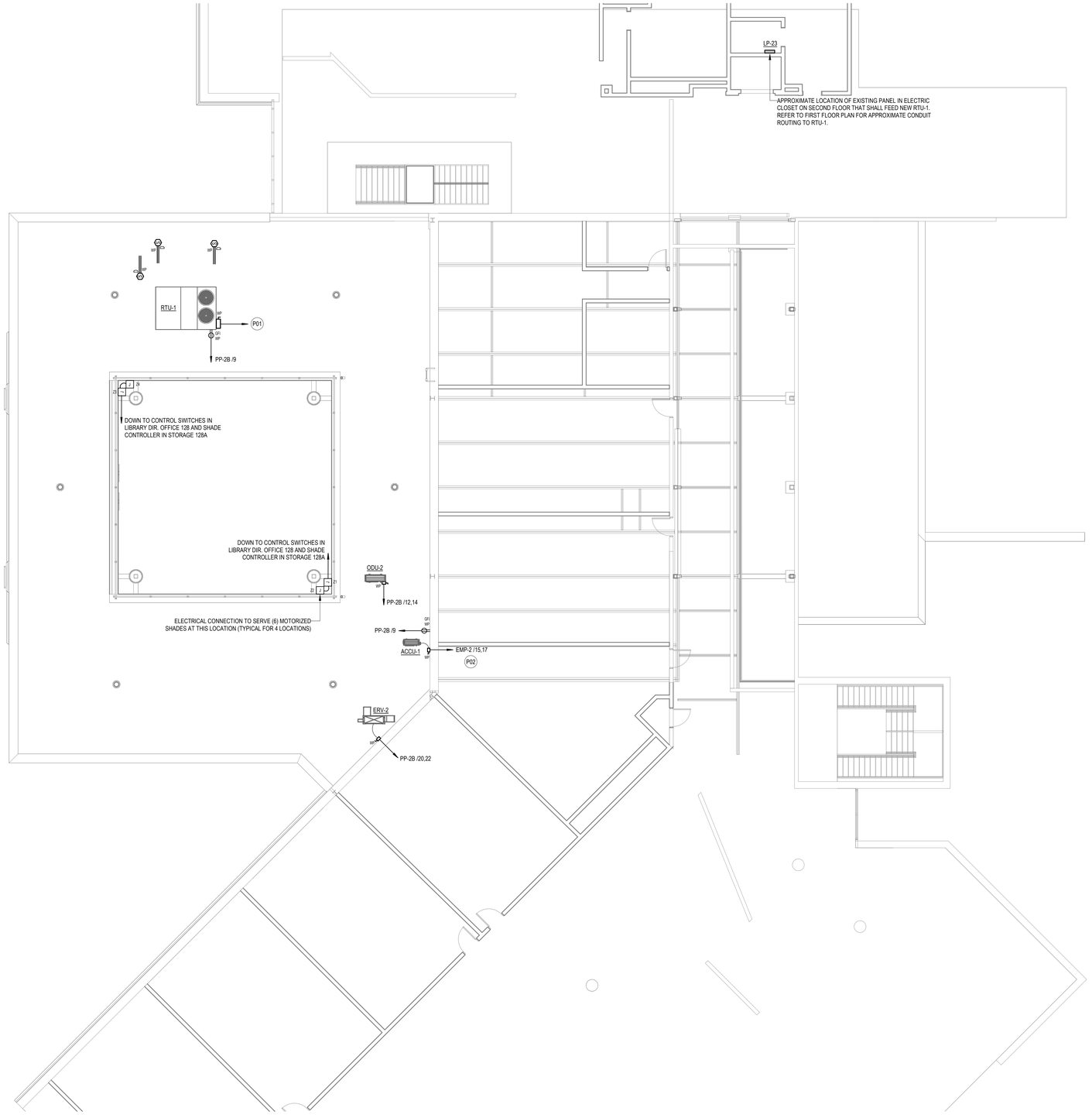
PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026

STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: As indicated
DRAWN BY: S. Croteau
PROJECT NUMBER: 23.195

DRAWING NUMBER: E211

4/30/2025 5:41:17 PM




1 ROOF POWER PLAN

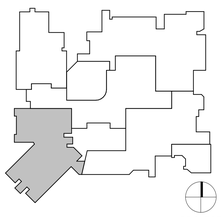
1/8" = 1'-0"

## GENERAL NOTES

1. REFER TO DRAWING E001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
2. ALL WORK SHALL CONFORM WITH THE ELECTRICAL SPECIFICATIONS AND THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE (NEC).
3. ALL NEW DEVICES MOUNTED ON EXISTING CMU WALLS SHALL BE SURFACE MOUNTED WIREMOLD RACEWAY, TYPE 500 OR 700 SERIES FOR SINGLE SYSTEMS AND TYPE 4000 SERIES FOR MULTIPLE SYSTEMS. PROVIDE ALL NECESSARY ACCESSORIES, CONNECTIONS AND FITTINGS FOR A COMPLETE SYSTEM.
4. ALL EXISTING DEVICES SHOWN HALF-TONE (LIGHT), ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED AND ALL WIRING TO THESE DEVICES SHALL REMAIN. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE CONTINUITY OF ALL EXISTING BRANCH CIRCUITS EFFECTED BY THE RENOVATION AND PROVIDE ADDITIONAL WIRING AS NEEDED.
5. ALL JUNCTION BOXES THAT SERVE MECHANICAL EQUIPMENT (VAV's, FCU's, ERV's, ETC.) SHALL ALSO HAVE A TOGGLE SWITCH DISCONNECT (SINGLE OR TWO POLE) INSTALLED AT THE JUNCTION BOX SERVING AS THE LOCAL DISCONNECT.

## (PXX) POWER KEY NOTES

| | |
|---|---|
| P01 | CONTRACTOR SHALL FEED NEW RTU-1 TO NEW ENCLOSED 150A-3P CIRCUIT BREAKER OR FUSED DISCONNECT TAPPED OF PANEL 'LP-23' LOCATED ON THE SECOND FLOOR ELECTRICAL CLOSET BEHIND THE ELEVATOR. WIRE UNIT WITH 3 #1/0 + 1 #6 GND IN A 2" CONDUIT. |
| P02 | CONTRACTOR SHALL INSTALL A NEW 20A-2P CIRCUIT BREAKER IN EXISTING SPACE IN PANEL 'EMP-2' IN FIRST FLOOR ELECTRIC CLOSET ACROSS THE HALL FROM THE MEDIA CENTER. WIRE UNIT WITH 3#12 + 1#12 GND IN 3/4" CONDUIT. |



KEY PLAN

PROJECT NORTH

PROJECT TITLE:
INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

| REVISION: | DESCRIPTION: | DATE: | REVISED BY: |
|---|---|---|---|

DRAWING TITLE: SECOND FLOOR/ROOF PLAN - POWER

PROJECT SUBMISSION: ISSUED FOR BID: 05/01/2026

STATE PROJECT NUMBER: 205-0046 A

DATE: 11/07/2025

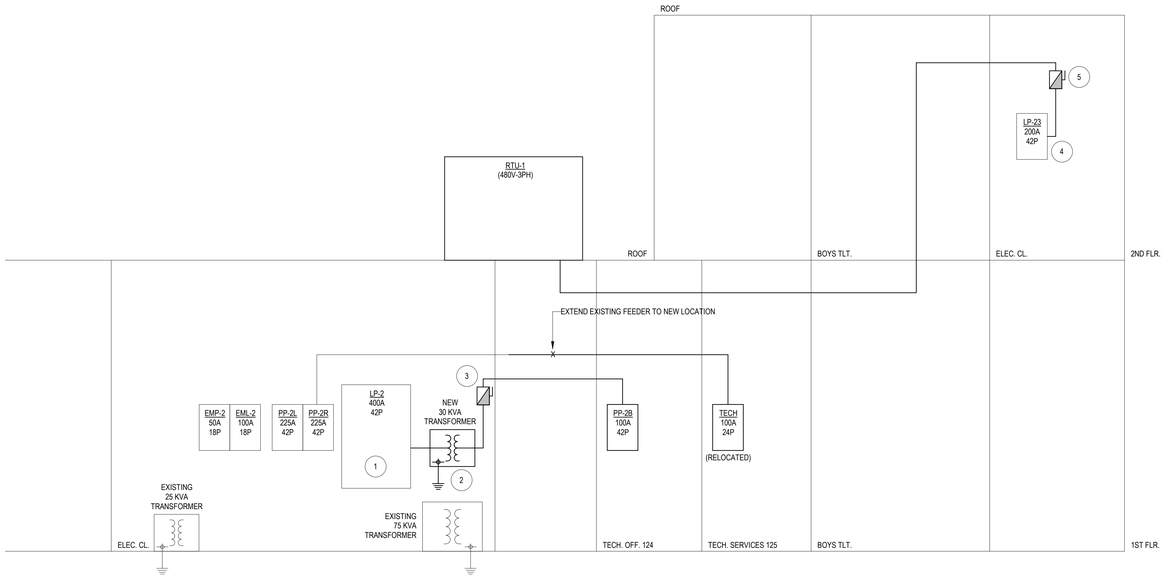
SCALE: As indicated

DRAWN BY: S. Croteau

PROJECT NUMBER: 23.195

DRAWING NUMBER: E212

4/30/2026 5:41:18 PM




## 1 PARTIAL ONE LINE DIAGRAM

NOT TO SCALE

ONE LINE DIAGRAM NOTES

1. CONTRACTOR SHALL INSTALL A NEW 60A-3P CIRCUIT BREAKER IN AVAILABLE SPACE IN EXISTING 480V-3PH PANEL TO FEED NEW 30KVA TRANSFORMER. WIRE FROM BREAKER TO HIGH SIDE OF TRANSFORMER WITH 3#4 + 1#10G - 1"C.
2. CONTRACTOR SHALL INSTALL A NEW 30KVA TRANSFORMER (480V - 208V/120Y) TO BE INSTALLED A PLATFORM/BRACKET ABOVE EXISTING TRANSFORMER TO SERVE NEW PANEL 'PP-2B'. MOUNT NEW TRANSFORMER HIGH ENOUGH ABOVE EXISTING TRANSFORMER TO ALLOW SPACE TO WORK ON BOTH TRANSFORMERS AND ALLOW ENOUGH SPACE SO AS TO ALLOW FOR CIRCULATION SO AS NEITHER UNIT OVER HEATS. GROUND TRANSFORMER PER NEC REQUIREMENTS.
3. CONTRACTOR SHALL INSTALL A FUSED DISCONNECT SWITCH ADJACENT TO TRANSFORMER TO PROVIDE SECONDARY PROTECTION OF THE TRANSFORMER. WIRE FROM SECONDARY SIDE OF TRANSFORMER THROUGH DISCONNECT OVER TO NEW PANEL WITH 4#1 + 1#6G - 1.5"C.
4. CONTRACTOR SHALL TAP EXISTING 480V-3PH PANEL TO SERVE NEW MECHANICAL UNIT (RTU-1). WIRE FROM TAP TO RTU-1 WITH 3#1/0 + 1#6G - 1.5"C.
5. CONTRACTOR SHALL INSTALL A FUSED DISCONNECT SWITCH/ENCLOSED CIRCUIT BREAKER IN THE ELECTRIC CLOSET FROM THE TAP IN PANEL 'LP-23'. RUN BRANCH CIRCUIT FROM ELECTRICAL CLOSET THROUGH ADJACENT BOYS TOILET DOWN INTO CEILING OF FIRST FLOOR BOYS TOILET THEN ACROSS THE CORRIDOR INTO THE MEDIA CENTER AND OVER AND UP INTO THE MECHANICAL UNIT(RTU-1).

## Branch Panel: PP-2B

**Location:** TECHNOLOGY OFF. 124 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 10,000
**Supply From:** | **Phases:** 3 | **Mains Type:** MCB
**Mounting:** Surface | **Wires:** 4 | **Mains Rating:** 100 A
**Enclosure:** Type 1 | **MCB Rating:** 100 A

**Notes:**

| CKT | Circuit Description | Wire & Conduit | Trip | Poles | A | | B | | C | | Poles | Trip | Wire & Conduit | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | JB (VAV's) | | 20 A | 1 | 250 | 400 | | | | | 1 | 20 A | | JB (VAV's) | 2 |
| 3 | Receptacles | | 20 A | 1 | | | 360 | 360 | | | 1 | 20 A | | Recept. (3 Monitors) | 4 |
| 5 | Recept. (Disp. Case Ltg) | | 20 A | 1 | | | | | 360 | 360 | 1 | 20 A | | Recept. (3 Monitors) | 6 |
| 7 | Recept. (Charging Cart) | | 20 A | 1 | 1020 | 540 | | | | | 1 | 20 A | | Receptacles | 8 |
| 9 | Recept. (Roof) & (TCP) | | 20 A | 1 | | | 660 | 720 | | | 1 | 20 A | | Receptacles | 10 |
| 11 | Recept. (Copier) | | 20 A | 1 | | | | | 1440 | 3016 | 2 | 40 A | | ODU-2 | 12 |
| 13 | Recept & Display Case | | 20 A | 1 | 760 | 3016 | | | | | -- | -- | -- | -- | 14 |
| 15 | Receptacles | | 20 A | 1 | | | 720 | 900 | | | 1 | 20 A | | Motorized Shades | 16 |
| 17 | Receptacles | | 20 A | 1 | | | | | 540 | 540 | 1 | 20 A | | Receptacles | 18 |
| 19 | Receptacles | | 20 A | 1 | 720 | 645 | | | | | 2 | 15 A | | ERV-2 | 20 |
| 21 | Motorized Shades | | 20 A | 1 | | | 900 | 645 | | | -- | -- | -- | -- | 22 |
| 23 | Receptacles | | 20 A | 1 | | | | | 720 | 720 | 1 | 20 A | | Receptacles | 24 |
| 25 | Receptacles | | 20 A | 1 | 720 | | | | | | | | | | 26 |
| 27 | Receptacles | | 20 A | 1 | | | 540 | 540 | | | 1 | 20 A | | Receptacles | 28 |
| 29 | | | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | | | 32 |
| 33 | Receptacles | | 20 A | 1 | | | 720 | 720 | | | 1 | 20 A | | Receptacles | 34 |
| 35 | | | | | | | | | | | | | | | 36 |
| 37 | Spare | | 20 A | 1 | 0 | | | | | | | | | | 38 |
| 39 | Spare | | 20 A | 1 | | | 0 | | | | | | | | 40 |
| 41 | Spare | | 20 A | 1 | | | | | 0 | | | | | | 42 |
| | | | **Total Load:** | | 8071 VA | | 7785 VA | | 7696 VA | | | | | | |
| | | | **Total Amps:** | | 67 A | | 65 A | | 64 A | | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Other | 400 VA | 125.00% | 500 VA | | |
| Power | 22792 VA | 100.00% | 22792 VA | **Total Conn. Load:** | 23552 VA |
| Receptacle | 360 VA | 100.00% | 360 VA | **Total Est. Demand:** | 23652 VA |
| | | | | **Total Conn. Current:** | 65 A |
| | | | | **Total Est. Demand Current:** | 66 A |

**Notes:**

## Branch Panel: TECH

**Location:** TECH SERVICES 125 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 10,000
**Supply From:** | **Phases:** 3 | **Mains Type:** MLO
**Mounting:** Surface | **Wires:** 4 | **Mains Rating:** 200 A
**Enclosure:** Type 1 | **MCB Rating:**

**Notes: EXISTING PANEL RELOCATED**

| CKT | Circuit Description | Wire & Conduit | Trip | Poles | A | | B | | C | | Poles | Trip | Wire & Conduit | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Recept. (Exist. CPU) | | 20 A | 1 | 360 | 0 | | | | | 1 | 20 A | | EXISTING LOAD | 2 |
| 3 | Recept. (Exist. CPU) | | 20 A | 1 | | | 360 | 0 | | | 1 | 20 A | | EXISTING LOAD | 4 |
| 5 | Recept. (Exist. CPU) | | 20 A | 1 | | | | | 360 | 0 | 2 | 20 A | | Spare | 6 |
| 7 | Spare | | 20 A | 1 | 0 | 0 | | | | | -- | -- | -- | -- | 8 |
| 9 | Spare | | 20 A | 1 | | | 0 | | | | | | | | 10 |
| 11 | EXISTING LOAD | | 20 A | 2 | | | | | 0 | 180 | 1 | 20 A | | Recept. (Exist. UPS) | 12 |
| 13 | -- | -- | -- | -- | 0 | 180 | | | | | 1 | 20 A | | Recept. (Exist. UPS) | 14 |
| 15 | EXISTING LOAD | | 20 A | 1 | | | 0 | | | | | | | | 16 |
| 17 | | | | | | | | | | | | | | | 18 |
| 19 | | | | | | | | | | | | | | | 20 |
| 21 | | | | | | | | | | | | | | | 22 |
| 23 | | | | | | | | | | | | | | | 24 |
| | | | **Total Load:** | | 540 VA | | 360 VA | | 540 VA | | | | | | |
| | | | **Total Amps:** | | 5 A | | 3 A | | 5 A | | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Power | 1440 VA | 100.00% | 1440 VA | | |
| | | | | **Total Conn. Load:** | 1440 VA |
| | | | | **Total Est. Demand:** | 1440 VA |
| | | | | **Total Conn. Current:** | 4 A |
| | | | | **Total Est. Demand Current:** | 4 A |

**Notes:**

PROJECT TITLE:
INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

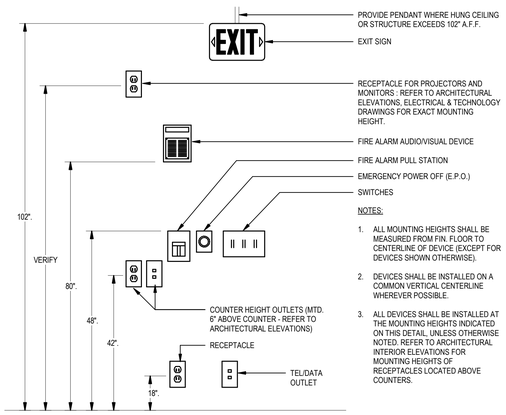
REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE:
PARTIAL ONE LINE DIAGRAM & PANEL SCHEDULES
PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026
STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: NOT TO SCALE
DRAWN BY: S. Croteau
PROJECT NUMBER: 23.195

DRAWING NUMBER:
E401

4/30/2026 5:08:59 PM

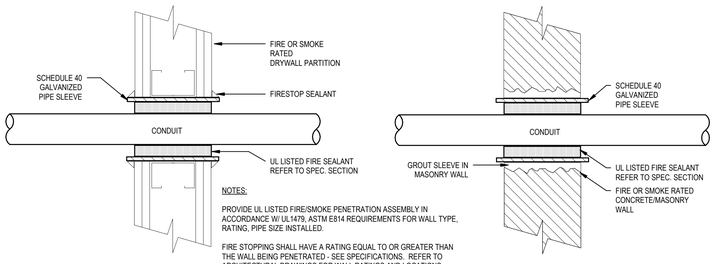



NOTES:

1. ALL MOUNTING HEIGHTS SHALL BE MEASURED FROM FIN. FLOOR TO CENTERLINE OF DEVICE (EXCEPT FOR DEVICES SHOWN OTHERWISE).
2. DEVICES SHALL BE INSTALLED ON A COMMON VERTICAL CENTERLINE WHEREVER POSSIBLE.
3. ALL DEVICES SHALL BE INSTALLED AT THE MOUNTING HEIGHTS INDICATED ON THIS DETAIL, UNLESS OTHERWISE NOTED. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR MOUNTING HEIGHTS OF RECEPTACLES LOCATED ABOVE COUNTERS.

## 1 TYPICAL DEVICE MOUNTING HEIGHT DETAIL

NONE



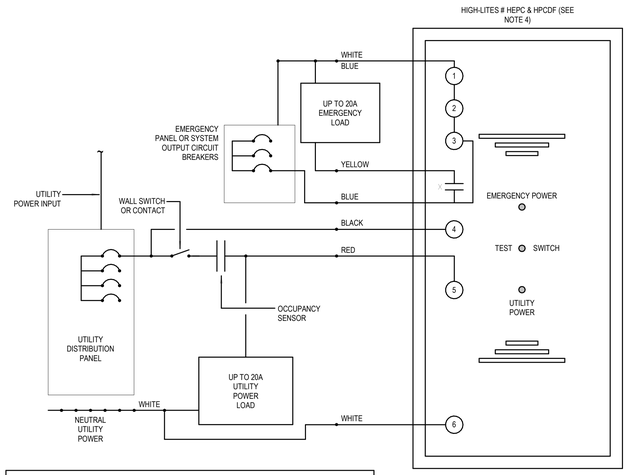

NOTES:

PROVIDE UL LISTED FIRE/SMOKE PENETRATION ASSEMBLY IN ACCORDANCE W/ UL1479, ASTM E814 REQUIREMENTS FOR WALL TYPE, RATING, PIPE SIZE INSTALLED.

FIRE STOPPING SHALL HAVE A RATING EQUAL TO OR GREATER THAN THE WALL BEING PENETRATED - SEE SPECIFICATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR WALL RATINGS AND LOCATIONS.

## 2 WALL PENETRATION WITH FIRE-SMOKE SEAL DETAIL

NONE




### BY-PASS RELAY NOTES

1. CIRCUIT # (1)(2)(3) MONITOR THE 24 HOUR EMERGENCY PANEL POWER, ANY INTERRUPTION OF THE EMERGENCY POWER WILL GENERATE AN AUDIBLE ALARM AT THE EPC DEVICE (BY LVS).
2. CIRCUIT # (4)(5) MONITORS UTILITY POWER AND PROVIDES POWER TO THE AUDIBLE DEVICE. ANY INTERRUPTION WILL CLOSE CONTACT X.
3. CIRCUIT # (6) SENSES WHEN ROOM SWITCH IS ON AND THEN CLOSES CONTACT X, PROVIDING POWER TO THE EMERGENCY LOAD.
4. PROVIDE HIGH-LITES 'HEPCDF' SERIES EMERGENCY LIGHTING POWER CONTROL FOR DIMMABLE FIXTURES. VERIFY EXACT QUANTITY AND LOCATION WITH LIGHTING PLANS.
5. ALL ROOMS WITH FIXTURES WIRED TO THE LIFE SAFETY DISTRIBUTION SYSTEM SHALL HAVE A BY-PASS RELAY INSTALLED IN CONJUNCTION WITH CONTROL DEVICE. VERIFY QUANTITY WITH LIGHTING PLANS.

## 3 BY-PASS RELAY WIRING DIAGRAM

NONE

### LIGHTING FIXTURE SCHEDULE

| DESIGNATION | DESCRIPTION | MANUFACTURER/ MODEL NUMBER | LAMP | | | ELECTRICAL | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|
| | | | TYPE | COLOR TEMP | NO | DRIVER | VOLTAGE | WATTS | |
| A1 | RECESSED MOUNTED ARCHITECTURAL 2FT X 2FT LED LIGHT FIXTURE WITH A HIGH PERFORMANCE CENTER ACRYLIC DIFFUSER (3500 LUMEN PACKAGE) | LITHONIA LIGHTING #STAK 2X2 XXXXLM 80CRI 40K COL MIN1 ZT MVOLT | LED | 4000K | <INSERT TEXT> | DIMMING | 120/277 | 28.7 | |
| A2 | SAME AS TYPE A1 EXCEPT LUMEN PACKAGE (4000 LUMEN PACKAGE) | LITHONIA LIGHTING #STAK 2X2 4000LM 80CRI 40K COL MIN1 ZT MVOLT | LED | 4000K | | DIMMING | 120/277 | 33.3 | |
| A3 | SAME AS TYPE A1 EXCEPT LUMEN PACKAGE (3000 LUMENS) | LITHONIA LIGHTING #STAK 2X2 3000LM 80CRI 40K COL MIN1 ZT MVOLT | LED | 4000K | | DIMMING | 120/277 | 24.1 | |
| B | RECESSED MOUNTED 2FT X 2FT LED LIGHT FIXTURE WITH LUMINOUS TRANSPARENT RIBBED CENTER LENS AND ALUMINUM RAIL (2600 LUMEN PACKAGE) | FLUXWERX LIGHTING #TR1 22 A 40 F2 M | LED | 4000K | | DIMMING | 120/277 | 22 | |
| C1 | RECESSED MOUNTED 2FT X 2FT SELECTABLE FLAT PANEL LED LIGHT FIXTURE WITH WHITE FINISH AND FROSTED WHITE LENS (2664 LUMEN PACKAGE) | LITHONIA LIGHTING #CPX 2X2 AL07 80CRI SWW7 SWL MVOLT | LED | 4000K | | DIMMING | 120/277 | 19.3 | |
| C2 | SAME AS TYPE 'C1' EXCEPT LUMEN PACKAGE (3587 LUMENS) | LITHONIA LIGHTING #CPX 2X2 AL07 80CRI SWW7 SWL MVOLT | LED | 4000K | | DIMMING | 120/277 | 26 | |
| D1 | 6" DIAMETER RECESSED OPEN LED DOWNLIGHT FIXTURE WITH CLEAR DIFFUSE REFLECTOR, SELF-FLANGED WITH FINISH TO MATCH REFLECTOR (1500 LUMEN PACKAGE) | GOTHAM LIGHTING #EVO6 40/15 AR LS WD MVOLT GZ1 | LED | 4000K | | DIMMING | 120/277 | 13.7 | |
| D2 | SAME AS TYPE 'D1' EXCEPT LUMEN PACKAGE (1000 LUMENS) | GOTHAM LIGHTING #EVO6 40/10 AR LS WD MVOLT GZ1 | LED | 4000K | | DIMMING | 120/277 | 9.6 | |
| D3 | SAME AS TYPE 'D1' EXCEPT LUMEN PACKAGE (750 LUMENS) | GOTHAM LIGHTING #EVO6 40/07 AR LS WD MVOLT GZ1 | LED | 4000K | | DIMMING | 120/277 | 8.2 | |
| E1 | SINGLE FACE CEILING MOUNTED EDGE-LIT LED EXIT SIGN WITH GREEN LETTERS, MIRROR BACKGROUND, WHITE HOUSING AND BATTERY BACKUP | ISOLITE #UEL-EM-G-1C2M-MTEBR / EUNG1M | LED | NA | | DIMMING | 120/277 | 3 | (1)(6)(7) |
| E2 | SAME AS TYPE 'E1' EXCEPT DOUBLE FACE | ISOLITE #UEL-EM-G-1C2M-MTEBR | LED | NA | | DIMMING | 120/277 | 3 | (1)(6)(7) |
| F | 8FT ACOUSTICAL LINEAR LED PENDANT MOUNTED LIGHT FIXTURE WITH DIFFUSE LENS, SINGLE CIRCUIT, CANARY COLORED ACOUSTIC FELT, WHITE POWER CORD & SILVER AIRCRAFT CABLE (1000 LUMENS FOOT) | SABIN LIGHTING #L-60-L-STD-98"-8"-D1000-DDL-INA-INO-940K-SC-10-UNV-9CN-PCWH-ACSLV-RWH | LED | 4000K | | DIMMING | 120/277 | 80 | |
| F1 | SAME AS TYPE 'F' EXCEPT 4FT LONG | SABIN LIGHTING #L-60-L-STD-49"-8"-D1000-DDL-INA-INO-940K-SC-10-UNV-9CN-PCWH-ACSLV-RWH | LED | 4000K | | DIMMING | 120/277 | 40 | |
| G | 2FT ACOUSTICAL "Y" SPOKE SHAPED LINEAR LED PENDANT MOUNTED LIGHT FIXTURE WITH DIFFUSE LENS, SINGLE CIRCUIT, CANARY COLORED ACOUSTIC FELT (500 LUMENS FOOT) | SABIN LIGHTING #L-60-L-SPK-26"-8"-D500-DDL-INA-INO-940K-SC-10-UNV-9CN-PCWH-ACSLV-RWH | LED | 4000K | | DIMMING | 120/277 | 26.5 | |
| H | 35IN DIAMETER X 53IN HIGH ACOUSTICAL LED PENDANT MTD DIRECT/INDIRECT LIGHT FIXTURE WITH DIFFUSE LENS, DUAL CIRCUIT & MOSS COLORED ACOUSTIC FELT (12000 LUMENS DIRECT & 3000 LUMENS INDIRECT) | SABIN LIGHTING #CYL-L-OF-35"-53"-D1200-I3000-940K-DC-10-UNV-15MO-15OB-TCI-PCST-ACSLV-RWH | LED | 4000K | | DIMMING | 120/277 | 114 | |
| H1 | SAME AS TYPE "H" EXCEPT 47IN DIAMETER X 100IN HIGH (1600 LUMENS DIRECT & 3000 LUMENS INDIRECT) | SABIN LIGHTING #CYL-L-OF-47"-100"-D16000-I3000-940K-DC-10-UNV-15MO-15OB-TCI-PCST-ACSLV-RWH | LED | 4000K | | DIMMING | 120/277 | 142 | |
| J | RECESSED MOUNTED 2 FT T-GRID LED LIGHT FIXTURE WITH DIFFUSED WHITE LENS, LENGTH & PATTERN AS SHOWN ON PLAN (1800 LUMEN PACKAGE) | JLC-TECH LLC #TBSL-MN-HO-2-24-DW-U-W-UNV | LED | 4000K | | DIMMING | 120/277 | 19 | |
| K | 4" DIAMETER RECESSED OPEN LED DOWNLIGHT FIXTURE WITH CLEAR DIFFUSE REFLECTOR, SELF-FLANGED WITH FINISH TO MATCH REFLECTOR (250 LUMEN PACKAGE) | GOTHAM LIGHTING #EVO4 40/02 AR LSS MD MVOLT GZ1 | LED | 4000K | | DIMMING | 120/277 | 3.1 | |
| L | SURFACE/PENDANT MOUNTED 4 FT LED STRIP LIGHT FIXTURE WITH DIFFUSED DROP LENS AND WHITE HOUSING (3000 LUMEN PACKAGE) | LITHONIA LIGHTING #ZL1D L48 3000L FST MVOLT 40K 80CRI WH | LED | 4000K | | DIMMING | 120/277 | 30 | |
| | | | | | | | | | |

LIGHT FIXTURE NOTES:

(1.) PROVIDE WITH FEATURES & ACCESSORIES NECESSARY FOR UNIVERSAL MOUNTING AND DIRECTIONAL ARROW KNOCKOUTS. ARROWS ON PLANS INDICATE DIRECTION OF CHEVRONS, SHADING INDICATES QUANTITY AND LOCATIONOF FIXTURE FACE.

2. ALL EXTERIOR FIXTURES AND INTERIOR FIXTURES IN UNHEATED SPACES SHALL BE CAPABLE OF OPERATING IN COLD TEMPERATURES (ZERO DEGREE FARENHEIGHT).

3. ALL ELECTRONIC DRIVERS SHALL HAVE A MAXIMUM TOTAL HARMONIC DISTORTION BETWEEN TEN & FIFTEEN PERCENT (10-15%).

4. ALL INTERIOR FIXTURES SHALL BE FURNISHED WITH 4000K COLOR LED's, AND ALL EXTERIOR LED's SHALL BE 4000k.

5. FURNISH ALL ADDITIONAL MATERIALS AND ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION AND BE FULLY OPERATIONAL.

(6.) FURNISH WITH NICKEL CADMIUM BATTERY FOR A MINIMUM OF 90 MINUTES OF EMERGENCY LIGHTING OPERATION.

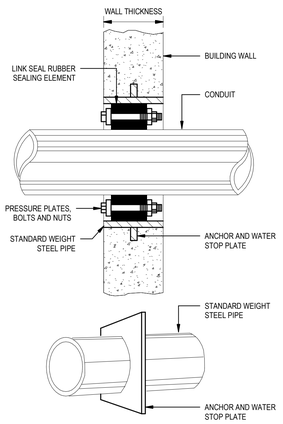
(7.) FIXTURE SHALL BE ONE LONG SIGN WITH THE WORDING "EXIT" AND THE CT APPROVED HANDICAP SYMBOL ADJACENT TO IT.

(8.) MOUNT CENTER OF LIGHT FIXTURE AT 16'-9" ABOVE FINISHED FLOOR.

9. ALL EQUALS MUST BE APPROVED BY THE ARCHITECT/ENGINEER OF RECORD BY A POINT BY POINT CALCULATION. IES FILES HAVE TO BE PROVIDED FOR EACH ALTERNATE FIXTURE. THERE WILL BE NO EXCEPTIONS GRANTED. ANY ALTERNATES SUBMITTED MUST NOT CONSUME MORE THEN THE WATTAGE SHOWN ON THE FIXTURE SCHEDULE. THERE WILL BE NO EXCEPTIONS GRANTED. ALTERNATE FIXTURES MAY VARY SLIGHTLY IN APPEARANCE & AESTHETICS PROVIDED THEY MEET THE PERFORMANCE REQUIREMENTS SHOWN ON FIXTURE SCHEDULE (FINAL APPROVAL BY LIGHTING DESIGNER AND ARCHITECT). POINT BY POINT CALCULATIONS NEED TO BE PERFORMED AND APPROVED PRIOR TO PRODUCT SUBMITTAL PACKAGE SUBMISSION.

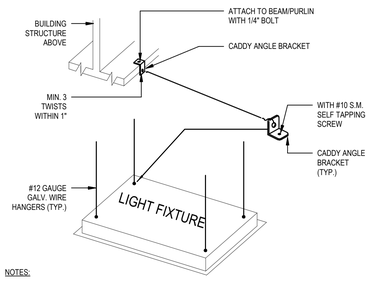
   ALL SUBSTITUTED DRIVERS OFFERED MUST BE LESS THAN OR EQUAL TO WATTAGES SHOWN ON EACH TYPE FIXTURE, NO SUBSTITUTED DRIVER WILL BE ACCEPTED THAT DOESN'T MEET THIS REQUIREMENT.

10. CONTRACTOR TO INCLUDE IN THEIR BASE BID THE FOLLOWING EXTRA MATERIAL:
    - 1 PIECE - DAY LIGHT/OCCUPANCY SENSOR
    - 1 PIECE - EXTERIOR MOTION SENSOR
    - 2 PIECES - POWER PACKS - DUAL CIRCUIT
    - 2 PIECES - WALL SWITCH WITH J-BOX (TOGGLE & DIMMER)
    - 2 PIECES - JUNCTION BOXES INSTALLED (EACH SIZE)
    - 2 PIECES - ROOM CONTROLLER
    - 1 PIECE - EXIT SIGN




## 4 WATER-TIGHT WALL SLEEVE DETAIL

NONE




NOTES:

1. ALL LIGHTING FIXTURES SHALL BE SECURED TO THE STRUCTURE BY THE ELECTRICAL CONTRACTOR.
2. FLUSH OR RECESSED LIGHT FIXTURES LESS THAN 56 POUNDS SHALL HAVE 2 - 12 GA. SLACK SAFETY WIRES FROM DIAGONAL CORNERS TO BUILDING STRUCTURE BY TRADE CONTRACTOR.
3. FLUSH OR RECESSED LIGHT FIXTURES MORE THAN 56 POUNDS SHALL HAVE 4 - 12 GA. SLACK SAFETY WIRES FROM DIAGONAL CORNERS TO BUILDING STRUCTURE BY TRADE CONTRACTOR.
4. SECURE SURFACE MOUNTED LIGHT FIXTURES W/ MINIMUM OF 2 - POSITIVE CLAMPING DEVICES OF 14 GA. MINIMUM STEEL AND W/ 12 GA. WIRE TO BUILDING STRUCTURE.

## 5 TYPICAL LAY-IN GRID LIGHT FIXTURE SUPPORT/MOUNTING DETAIL

NONE

PROJECT TITLE:

INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

| REVISION: | DESCRIPTION: | DATE: | REVISED BY: |
|---|---|---|---|

DRAWING TITLE: LIGHT FIXTURE SCHEDULE & DETAILS

PROJECT SUBMISSION: ISSUED FOR BID: 05/01/2026

STATE PROJECT NUMBER: 205-0046 A

DATE: 11/07/2025

SCALE: NONE

DRAWN BY: S. Croteau

PROJECT NUMBER: 23.195

DRAWING NUMBER: E501

4/30/2026 5:08:59 PM

## SECURITY LEGEND

(NOT ALL SYMBOLS ARE USED)

| | |
|---|---|
| | FIXED DOME CAMERA - WALL MOUNTED - EXTERIOR WITH 2-GANG 2 1/2" DEEP OUTLET BOX, ¾" C., CAT 6 PLENUM RATED CABLE, RJ45 PLUG - CAT 6, HUBBELL #ISB1XX PORT (USE INDOOR/OUTDOOR RATED CABLING FOR ALL EXTERIOR CAMERAS) [AXIS #P3227-LVE OR APPROVED EQUAL]. "DV" INDICATES DUAL VIEW CAMERA, "QV" INDICATES QUAD VIEW CAMERA |
| | FIXED DOME CAMERA - CEILING MOUNTED - INTERIOR WITH 2-GANG 2 1/2" DEEP OUTLET BOX, ¾" C., CAT 6 PLENUM RATED CABLE, RJ45 PLUG - CAT 6, HUBBELL #ISB1XX PORT (USE INDOOR/OUTDOOR RATED CABLING FOR ALL EXTERIOR CAMERAS). [AXIS #P3227-LV OR APPROVED EQUAL], "DV" INDICATES DUAL VIEW CAMERA |
| 180 | FIXED DOME CAMERA W/180 DEGREE VIEW - CEILING MOUNTED - INTERIOR WITH 2-GANG 2 1/2" DEEP OUTLET BOX, ¾" C., CAT 6 PLENUM RATED CABLE, RJ45 PLUG - CAT 6, HUBBELL #ISB1XX PORT (USE INDOOR/OUTDOOR RATED CABLING FOR ALL EXTERIOR CAMERAS). [AXIS #Q3709-PV OR APPROVED EQUAL] |
| CR | ACCESS CONTROL PROXIMITY READER WITH KEYPAD (GOKEYLESS - SKU #0-205676 OR APPROVED EQUAL) IN SINGLE GANG 2 1/2" DEEP OUTLET BOX, ¾" C., MTD 46" AFF UNLESS OTHERWISE NOTED. RUN 6 #18 WIRES FROM THE READER UP TO THE DOOR LATCH POWER SUPPLY AND ANOTHER 6 FOR FUTURE. |
| DC | DOOR CONTACT - INTRUSION DETECTION WITH ¾" FLEX CONNECTION, #22-2C PLENUM RATED CABLE (ALL NEW DEVICES SHALL MATCH AND BE COMPATIBLE WITH EXISTING SECURITY SYSTEM) |
| | MOTION SENSOR - CORNER/WALL/CEILING MOUNTED WITH 1-GANG 2 1/2" DEEP OUTLET BOX, ¾" C., #14-4C PLENUM RATED CABLE (ALL NEW DEVICES SHALL MATCH AND BE COMPATIBLE WITH EXISTING SECURITY SYSTEM) |
| ALERTUS BEACON | ALERTUS BEACON - WALL MOUNTED WITH 4" x 4" x 2 1/8" DEEP OUTLET BOX, 1-GANG DEVICE RING, ¾" C., CAT 6 PLENUM RATED CABLE, RJ45 JACK - CAT 6, DATA - FACE PLATE, MTD 18" AFF UNLESS OTHERWISE NOTED |

ALL SECURITY DEVICES AND CAMERAS WILL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE AND INSTALL HEAD-END EQUIPMENT OPERATING SOFTWARE AND RECORDING EQUIPMENT. ALL CAT 6 CABLE USED FOR SECURITY DEVICES SHALL BE A DIFFERENT COLOR THAN THE REST OF THE CAT 6 CABLE USED FOR COMMUNICATION DEVICES.

## PUBLIC ADDRESS/CLOCK LEGEND

(NOT ALL SYMBOLS ARE USED)

| | |
|---|---|
| S | PA SPEAKER - RECESSED MOUNTED (CONTRACTOR SHALL DISCONNECT, REMOVE, STORE AND REINSTALL EXISTING DEVICE AS INDICATED), PROVIDE ALL NECESSARY CABLE AND ACCESSORIES TO RELOCATE SPEAKER AS SHOWN |
| S | PA SPEAKER - SURFACE MOUNTED SQUARE TYPE DEVICE AS INDICATED, PROVIDE ALL NECESSARY CABLE AND ACCESSORIES TO CONNECT TO EXISTING PAGING SYSTEM. |
| R | PA "AMBER LIGHT" STROBE - WALL/CEILING/PENDANT MOUNTED DEVICE AS INDICATED, PROVIDE ALL NECESSARY CABLES, BOXES AND ACCESSORIES TO TO CONNECT TO EXISTING PAGING SYSTEM. |
| | PA HORN/SPEAKER (INTERIOR/EXTERIOR) - WALL MOUNTED (CONTRACTOR SHALL DISCONNECT, REMOVE, STORE AND REINSTALL EXISTING DEVICE AS INDICATED), PROVIDE ALL NECESSARY CABLES, BOXES AND ACCESSORIES TO RELOCATE DEVICE AS SHOWN. |
| PA | PUBLIC ADDRESS WALL MOUNTED ACTIVATION PUSH BUTTON WITH SINGLE GANG x 2 1/8" DEEP OUTLET BOX, 1-GANG DEVICE RING, ¾" C., CAT 6 PLENUM RATED CABLE, RJ45 JACK - CAT 6, DATA - FACE PLATE, MTD 46" AFF |
| PA/PH | PUBLIC ADDRESS WALL MOUNTED ACTIVATION PUSH BUTTON AND ADJACENT PHONE WITH SINGLE GANG x 2 1/8" DEEP OUTLET BOX, 1-GANG DEVICE RING, ¾" C. FOR PUSH BUTTON, CAT 6 PLENUM RATED CABLE, RJ45 JACK - CAT 6, DATA - FACE PLATE, MTD 46" AFF |
| H | 12" DIAMETER CLOCK - WALL MTD (CONTRACTOR SHALL DISCONNECT, REMOVE, STORE AND REINSTALL EXISTING DEVICE AS INDICATED), PROVIDE ALL NECESSARY CABLES, BOXES AND ACCESSORIES TO RELOCATE DEVICE AS SHOWN. NEW DEVICE SHALL MATCH/ BE COMPATIBLE WITH EXISTING SYSTEM |
| | RECESSED MOUNTED COMBINATION PUBLIC ADDRESS SPEAKER AND CENTRAL SYSTEM CLOCK, NEW DEVICE SHALL MATCH EXISTING AND BE COMPATIBLE WITH EXISTING SYSTEMS, FURNISH AND INSTALL ALL NECESSARY CABLING, TERMINATIONS AND PROGRAMING |

## COMMUNICATIONS LEGEND

(NOT ALL SYMBOLS ARE USED)

| | |
|---|---|
| W | WALL OUTLET WITH 1-GANG 2 1/2" DEEP OUTLET BOX, 1-GANG DEVICE RING, ¾" C., CAT 6 PLENUM RATED CABLE, RJ45 JACK - CAT 6, WALL PHONE MOUNTING PLATE, MTD 46" AFF |
| 1D | 1 DATA OUTLET WITH 4" x 4" x 2 1/8" DEEP OUTLET BOX, 1-GANG DEVICE RING, ¾" C., CAT 6 PLENUM RATED CABLE, RJ45 JACK - CAT 6, DATA - FACE PLATE, MTD 18" AFF UNLESS OTHERWISE NOTED |
| 2D | 2 DATA OUTLET WITH 4" x 4" x 2 1/8" DEEP OUTLET BOX, 1-GANG DEVICE RING, ¾" C., 2 - CAT 6 PLENUM RATED CABLE, 2 - RJ45 JACK - CAT 6, DATA - FACE PLATE, MTD 18" AFF UNLESS OTHERWISE NOTED |
| 3D | 3 DATA OUTLET WITH 4" x 4" x 2 1/8" DEEP OUTLET BOX, 1-GANG DEVICE RING, 1" C., 3 - CAT 6 PLENUM RATED CABLE, 3 - RJ45 JACK - CAT 6, DATA - FACE PLATE, MTD 18" AFF UNLESS OTHERWISE NOTED |
| 4D | 4 DATA OUTLET WITH 4" x 4" x 2 1/8" DEEP OUTLET BOX, 1-GANG DEVICE RING, 1" C., 4 - CAT 6 PLENUM RATED CABLE, 4 - RJ45 JACK - CAT 6, DATA - FACE PLATE, MTD 18" AFF UNLESS OTHERWISE NOTED |
| 1V1D | 1 VOICE - 1 DATA OUTLET WITH 4" x 4" x 2 1/8" DEEP OUTLET BOX, 1-GANG DEVICE RING, 3/4" C., 2 - CAT 6 PLENUM RATED CABLE, 2 - RJ45 JACK - CAT 6, DATA - FACE PLATE, MTD 18" AFF UNLESS OTHERWISE NOTED |
| 1V2D | 1 VOICE - 2 DATA OUTLET WITH 4" x 4" x 2 1/8" DEEP OUTLET BOX, 1-GANG DEVICE RING, 1" C., 3 - CAT 6 PLENUM RATED CABLE, 3 - RJ45 JACK - CAT 6, DATA - FACE PLATE, MTD 18" AFF UNLESS OTHERWISE NOTED |
| 2V2D | 2 VOICE - 2 DATA OUTLET WITH 4" x 4" x 2 1/8" DEEP OUTLET BOX, 1-GANG DEVICE RING, 1" C., 4 - CAT 6 PLENUM RATED CABLE, 4 - RJ45 JACK - CAT 6, DATA - FACE PLATE, MTD 18" AFF UNLESS OTHERWISE NOTED |
| 1V | 1 VOICE OUTLET WITH 4" x 4" x 2 1/8" DEEP OUTLET BOX, 1-GANG DEVICE RING, ¾" C., CAT 6 PLENUM RATED CABLE, RJ45 JACK - CAT 6, DATA - FACE PLATE, MTD 18" AFF UNLESS OTHERWISE NOTED |
| 2V | 2 VOICE OUTLET WITH 4" x 4" x 2 1/8" DEEP OUTLET BOX, 1-GANG DEVICE RING, ¾" C., 2 - CAT 6 PLENUM RATED CABLE, 2 - RJ45 JACK - CAT 6, DATA - FACE PLATE, MTD 18" AFF UNLESS OTHERWISE NOTED |
| 3V | 3 VOICE OUTLET WITH 4" x 4" x 2 1/8" DEEP OUTLET BOX, 1-GANG DEVICE RING, 1" C., 3 - CAT 6 PLENUM RATED CABLE, 3- RJ45 JACK - CAT 6, DATA - FACE PLATE, MTD 18" AFF UNLESS OTHERWISE NOTED |
| #V #D | FLOOR BOX WITH CONDUIT AND WIRE AS REQUIRED (FLOOR BOX SHALL BE SIZED TO ACCOMMODATE BOTH POWER AND TECHNOLOGY CABLE, # - DENOTES QUANTITY OF CABLES) |
| AP | WIRELESS ACCESS POINT - CEILING MTD WITH 4" SQUARE BOX, CAT 6 PLENUM RATED CABLE, RJ45 JACK - CAT 6, HUBBELL #ISB2BKP PORT, 20 FT. SERVICE LOOP (FOR EXTERIOR MTD AP's: SSE INDOOR/OUTDOOR RATED CABLE, 1" WEATHERPROOF SLEEVE & WEATHERPROOF COVER PLATE), PROVIDE QUANTITY OF (2) CAT 6 CABLES WHERE NOTED |
| AP | WIRELESS ACCESS POINT - WALL MTD WITH 4" SQUARE BOX, CAT 6 PLENUM RATED CABLE, RJ45 JACK - CAT 6, WALL MTD PHONE PLATE, 20 FT. SERVICE LOOP (FOR EXTERIOR MTD AP's: SSE INDOOR/OUTDOOR RATED CABLE, 1" WEATHERPROOF SLEEVE & WEATHERPROOF COVER PLATE), PROVIDE QUANTITY OF (2) CAT 6 CABLES WHERE NOTED |
| TV | NETWORK OUTLET - INTERACTIVE MONITOR / TV WITH 4" x 4" x 2 1/8" DEEP OUTLET BOX, 1-GANG DEVICE RING, ¾" C., CAT 6 PLENUM RATED CABLE, RJ45 JACK - CAT 6, DATA - FACE PLATE, MTD 60" AFF UNLESS OTHERWISE NOTED |

ALL PHONES, PHONE HEADEND, NETWORK SWITCHES AND COMMUNICATION HEADEND EQUIPMENT WILL BE FURNISHED AND INSTALLED BY OWNERS APPROVED VENDOR. ALL INFRASTRUCTURE (CONDUIT, BACK BOXES, DEVICES AND WIRING) SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR ALONG WITH WALL MOUNTED NETWORK CABINET. ALL TERMINATIONS WILL BE MADE BY THE OWNERS APPROVED VENDOR. ALL CAT 6 CABLE USED FOR NETWORK DEVICES SHALL BE A ONE COLOR, THE COLOR SHALL BE DIFFERENT THAN THE COLOR USED FOR SECURITY DEVICES.

## ABBREVIATIONS

| | |
|---|---|
| 3.5mm | 3.5MM JACK PLUG (AUDIO) |
| AFF | ABOVE FINISHED FLOOR |
| A/C | ABOVE COUNTER |
| ANSI | AMERICAN NATIONAL STANDARDS INSTITUTE |
| AWG | AMERICAN WIRE GAUGE |
| BICSI | BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL |
| BNC | BAYONET NEIL-CONCELMAN |
| C | CONDUIT (S) |
| DEMARC | DEMARCATION |
| DPDT | DOUBLE POLE DOUBLE THROW |
| EIA | ELECTRONICS INDUSTRIES ALLIANCE |
| EMT | ELECTRICAL METALLIC TUBING |
| FACP | FIRE ALARM CONTROL PANEL |
| F | FACSIMILE (FAX) |
| HDMI | HIGH DEFINITIONS MEDIA INTERFACE |
| LAN | LOCAL AREA NETWORK |
| MER | MAIN EQUIPMENT ROOM |
| NEC | NATIONAL ELECTRICAL CODE |
| NIC | NOT IN CONTRACT |
| OFE | OWNER FURNISHED EQUIPMENT |
| PA | PUBLIC ADDRESS |
| PBX | PRIVATE BRANCH EXCHANGE |
| PC | PERSONAL COMPUTER |
| PoE | POWER OVER ETHERNET |
| PP | PATCH PANEL |
| PVC | POLYVINYL CHLORIDE CONDUIT |
| QYT | QUANTITY |
| STP | SHIELDED TWISTED PAIR |
| TBB | TELECOMMUNICATIONS BONDING BACKBONE |
| TGB | TELECOMMUNICATIONS GROUNDING BUSSBAR |
| TIA | TELECOMMUNICATIONS INDUSTRIES ASSOCIATIONS |
| TMGB | TELECOMMUNICATIONS MAIN GROUNDING BUSSBAR |
| TR | TELECOMMUNICATIONS ROOM |
| TV | TELEVISION |
| TYP | TYPICAL |
| UPS | UNINTERRUPTIBLE POWER SUPPLY |
| USB | UNIVERSAL SERIAL BUS |
| UTP | UNSHIELDED TWISTED PAIR |
| VGA | VIDEO GRAPHICS ARRAY |
| VoIP | VOICE OVER INTERNET PROTOCOL |
| W | WALL TELEPHONE (VOICE) |
| WAN | WIDE AREA NETWORK |
| WAO | WORK AREA OUTLET |
| WAP | WIRELESS (DATA) ACCESS POINT |
| WG | WIRE GUARD |
| WP | WEATHERPROOF |
| XFMR | TRANSFORMER |
| XMTR | TRANSMITTER |

## TECHNOLOGY DRAWING LIST


| | |
|---|---|
| T001 | SYMBOLS, NOTES, ABBREVIATIONS & DRAWING LIST |
| T011 | FIRST FLOOR DEMOLITION PLAN |
| T111 | FIRST FLOOR PLAN |
| T601 | DETAILS |


## GENERAL NOTES

1. DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT.
2. ALL COMMUNICATIONS OUTLETS MUST COINCIDE WITH ELECTRICAL POWER DRAWINGS AND SECURITY DEVICES. THE CONTRACTOR MUST COORDINATE ALL LOCATIONS OF THE ELECTRICAL OUTLETS WITH THE DATA OUTLETS.
3. LABEL ALL CABLES WITHIN 12" OF THE FINAL TERMINATION..
4. CONTRACTOR SHALL MAINTAIN THE TWIST OF THE INDIVIDUAL PAIRS TO WITHIN 1/2" OF FINAL TERMINATION FOR ALL CATEGORY 3 OR HIGHER CABLE.
5. USE ONLY HOOK AND LOOP CABLE TIES (VELCRO) FOR CABLES RATED CATEGORY 3 OR HIGHER.
6. ALL CABLES RUN IN CEILING AREAS SHALL BE PROPERLY SUPPORTED WITH CONDUIT OR J-HOOKS MOUNTED TO SLAT AT MINIMUM OF 5' INTERVALS. NO CABLE SHALL REST OR TOUCH CEILING ASSEMBLIES. CABLES SHALL NOT BE INSTALLED EXPOSED ON OPEN CEILING AREAS.
7. ALL LABELS SHALL BE MACHINE PRINTED. NO HAND LETTERED CABLES SHALL BE USED.
8. USE ONLY PLENUM RATED CABLES.
9. DO NOT RUN TELECOMMUNICATIONS CABLES PARALLEL TO POWER CABLES. CROSS POWER CABLES ONLY AT RIGHT ANGLES.
10. MAINTAIN 8" DISTANCE FROM ALL LIGHTING TRANSFORMERS.
11. COLOR AND STYLE OF COMMUNICATIONS FACE PLATES SHALL MATCH ELECTRICAL FACE PLATES AND BE COORDINATED WITH AND CONFIRMED BY THE ARCHITECT.
12. OBTAIN AND EXTEND TO OWNER ALL AVAILABLE MANUFACTURER AND SYSTEM WARRANTEES. CABLING TEST RESULTS MUST BE SUBMITTED TO MANUFACTURER AND THE MANUFACTURER'S EXTENDED WARRANTY FOR MATERIAL AND WORKMANSHIP SHALL BE OBTAINED BY THE CONTRACTOR.
13. SPLICING CABLES IS NOT PERMITTED EXCEPT AS SPECIFICALLY NOTED.
14. DEVICE CABLING SHALL BE TERMINATED WITHIN THE INDICATED DATA ROOMS AND SHALL BE TERMINATED ONTO A 19" RACK MOUNTED, RJ45, 24 PORT, CATEGORY 6 RATED PATCH PANEL.
15. THE FOLLOWING CABLING SHALL BE TERMINATED ONTO IT'S OWN DISCRETE AND SEPARATE CATEGORY 6 RATED, RACK MOUNTED PATCH PANELS. REFER TO RACK ELEVATION DETAILS:
    - ALL STUDENT AND CLASSROOM SPACES
    - ALL ADMINISTRATION AREAS AND OFFICES
    - ALL WIRELESS AP'S
    - ALL VIDEO SURVEILLANCE CAMERAS
16. SPEAKER CABLING SHALL BE INSTALLED FROM THE SPEAKER AND/OR SPEAKER ARRAY WITHIN EACH ROOM TO THE DATA ROOM INDICATED WITHIN THE PA WIRING DIAGRAMS.
17. LOCATIONS OF EQUIPMENT FOR ALL OTHER TRADES SHALL BE COORDINATED BEFORE CONSTRUCTION.
18. CONTRACTOR SHALL COORDINATE LAYOUT LOCATIONS AND CLEARANCE OF ALL EQUIPMENT WITH OTHER TRADES AND ATTAIN OWNER'S APPROVAL PRIOR TO CONSTRUCTION.
19. CONTRACTOR SHALL COORDINATE ALL RACEWAYS, LOCATIONS, AND POWER REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR.
20. ALL COMMUNICATIONS OUTLETS MUST COINCIDE WITH ELECTRICAL POWER DRAWINGS.
21. ALL VOICE AND DATA OUTLETS THAT DO NOT HAVE AN ELECTRICAL OUTLET WITHIN 3FTSHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE PROJECT ARCHITECT, CONSTRUCTION MANAGER, AND TECHNOLOGY CONSULTANT PRIOR TO THE TIME OF INSTALLATION.
22. PLACEMENT OF ALL SECURITY VIDEO SURVEILLANCE CAMERAS MUST BE APPROVED BY THE SECURITY CONSULTANT AND/OR OWNER PRIOR TO CONSTRUCTION.
23. ALL DEVICES SHOWN ON THESE PLANS MUST BE COORDINATED AND APPROVED BY THE ARCHITECT. THE INSTALLATION CONTRACTOR SHALL DEPICT ALL DEVICES ONTO ELEVATION SUBMITTALS BEFORE INSTALLATION. ANY DEVICE THAT IS NOT APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION MAY BE REQUIRED TO BE RELOCATED AS DIRECTED BY THE ARCHITECT AND CORRECTED BY THE CONTRACTOR WITH NO ADDITIONAL CHARGE TO THE PROJECT.
24. ALL PATHWAYS, INCLUDING ALL WALL AND CEILING PENETRATIONS ARE REQUIRED TO INSTALL CABLING TO THE END DEVICE AND SHALL BE COORDINATED BETWEEN THE LOW VOLTAGE AND SECURITY CONTRACTOR AND THE ELECTRICAL CONTRACTOR AND SHALL BE INCLUDED AS PART OF THIS SECTION.
25. ALL CABLING SHALL BE LABELED AT BOTH ENDS.
26. SEISMIC PERFORMANCE: ALL WALL/FLOOR/CEILING MOUNTED DEVICES SHALL BE MOUNTED, SECURED AND INSTALLED IN ACCORDANCE WITH SEI/ASCE 7 AND SHALL ADDITIONALLY WITHSTAND THE EFFECTS OF ANY MOTIONS WITHIN THE BUILDING AS DETERMINED BY SEI/ASCE 7.
27. THE TERM "WITHSTAND" MEANS 'THE UNITS WILL REMAIN IN PLACE WITHOUT SEPARATION OF ANY PARTS FROM THE DEVICE WHEN SUBJECTED TO SEISMIC FORCES SPECIFIED AND THE UNIT WILL BE FULLY OPERATIONAL AFTER THE SEISMIC EVENT.'
28. ALL CONDUIT ARE TO BE INSTALLED TO ABOVE ACCESSIBLE CEILING UNLESS OTHERWISE NOTED.

Project Title:

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25 NEWTON ROAD
WOODBRIDGE, CT 06525


SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
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REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE: SYMBOLS, NOTES, ABBREVIATIONS & DRAWING LIST
PROJECT SUBMISSION: ISSUED FOR BID: 05/01/2026
STATE PROJECT NUMBER: 205-0046 A

DATE: 11/7/2025
SCALE: As indicated
DRAWN BY: S. CROTEAU
PROJECT NUMBER: 23.195

DRAWING NUMBER: T001

12/5/2024 8:17:45 PM

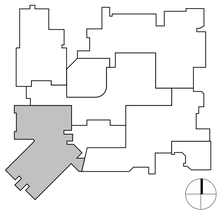
1 FIRST FLOOR TECHNOLOGY DEMOLITION PLAN
1/8" = 1'-0"

## GENERAL DEMOLITION NOTES

1. REFER TO DRAWING T001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
2. ALL DEVICES (NETWORK RECEPTACLES, WIRELESS ACCESS POINTS, CLOCKS, SPEAKERS, ETC.) AND NETWORK EQUIPMENT (FLOOR MOUNTED RACKS, WALL MOUNTED CABINETS, ETC.) SHOWN DARK AND DASHED OR SOLID ARE TO BE REMOVED UNLESS OTHERWISE NOTED. ALL DEVICES AND EQUIPMENT SHOWN HALF TONE (LIGHT) AND SOLID ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

## DXX DEMOLITION KEY NOTES

| | |
|---|---|
| D01 | CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING WALL MOUNTED NETWORK CABINET INDICATED IN THIS LOCATION AND RETURN TO OWNER. ALL NETWORK SWITCHES, PATCH PANELS AND ASSOCIATED HARDWARE IN CABINET SHALL BE RETURNED TO OWNER. ALL EXISTING NETWORK CABLES SHALL BE REMOVED COMPLETELY. |
| D02 | CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING SURFACE AND/OR RECESSED MOUNTED NETWORK RECEPTACLE INDICATED, INCLUDING BUT NOT LIMITED TO, BACK BACK (NOT IF RECESSED IN MASONRY WALL), COVER PLATE, JACK(S) AND ALL SURFACE MOUNTED RACEWAY, AND NETWORK CABLES BACK TO POINT OF ORIGIN. |
| D03 | CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING SURFACE OR RECESSED MOUNTED COMBINATION SYSTEM CLOCK AND PUBLIC ADDRESS (PA) SPEAKER, ASSOCIATED HOUSING, AND ALL ASSOCIATED WIRING AND ACCESSIBLE RACEWAYS. |
| D04 | CONTRACTOR SHALL DISCONNECT, REMOVE AND STORE EXISTING CEILING MOUNTED WIRELESS ACCESS POINT (AP) INDICATED IN THIS LOCATION TO BE RELOCATED. EXISTING NETWORK CABLE(S) SHALL BE REMOVED BACK TO POINT OF ORIGIN. |
| D05 | CONTRACTOR SHALL DISCONNECT, REMOVE AND STORE EXISTING CEILING OR WALL MOUNTED PUBLIC ADDRESS SPEAKER INDICATED IN THIS LOCATION TO BE RELOCATED. EXISTING SPEAKER WIRING SHALL BE REMOVED TO NEAREST SPLICE POINT OR SPEAKER. |
| D06 | CONTRACTOR SHALL DISCONNECT, REMOVE AND STORE EXISTING SURFACE OR RECESSED MOUNTED SYSTEM CLOCK INDICATED IN THIS LOCATION TO BE RELOCATED. EXISTING CLOCK WIRING SHALL BE REMOVED BACK TO NEAREST ACCESSIBLE ACCESS POINT. |
| D07 | CONTRACTOR SHALL DISCONNECT, REMOVE AND STORE EXISTING WALL MOUNTED CARD READER INDICATED IN THIS LOCATION TO BE RELOCATED. EXISTING WIRING SHALL BE REMOVED BACK TO POINT OF ORIGIN. |
| D08 | CONTRACTOR SHALL DISCONNECT, REMOVE AND STORE EXISTING CEILING MOUNTED SECURITY CAMERA INDICATED IN THIS LOCATION TO BE RELOCATED. EXISTING WIRING SHALL BE REMOVED BACK TO POINT OF ORIGIN. |
| D09 | CONTRACTOR SHALL DISCONNECT, REMOVE AND STORE EXISTING FLOOR MOUNTED NETWORK CABINET INDICATED IN THIS LOCATION TO BE RELOCATED. ALL NETWORK SWITCHES, PATCH PANELS AND ASSOCIATED HARDWARE IN CABINET NOT REQUIRED SHALL BE RETURNED TO OWNER. ALL EXISTING NETWORK CABLES SHALL BE REMOVED COMPLETELY. |
| D10 | CONTRACTOR SHALL DISCONNECT, REMOVE AND STORE EXISTING CEILING MOUNTED SECURITY MOTION SENSING DEVICE INDICATED IN THIS LOCATION TO BE RELOCATED. EXISTING WIRING SHALL BE REMOVED BACK TO NEAREST ACCESSIBLE JUNCTION BOX TO FEED RELOCATED DEVICE IN THIS AREA. |
| D11 | CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING NETWORK RECEPTACLES IN THE SURFACE MOUNTED RACEWAY IN THIS LOCATION. ALL EXISTING NETWORK CABLES SERVING THESE RECEPTACLES SHALL BE REMOVED COMPLETELY. |
| D12 | NETWORK SWITCHES AND SERVERS FOR REGIONAL 911, POLICE AND FIRE ARE LOCATED ON THE WALL AND SHELVES OF THIS ROOM AND NEED TO BE RELOCATED TO THE NEW IT CLOSET. THIS WORK NEEDS TO BE DONE BY THE SERVICE PROVIDER (CROWN CASTLE). THIS WORK NEEDS TO BE COORDINATED CLOSELY WITH THE OWNER AND THE TOWN TO MINIMIZE THE SHUT DOWN TIME. |
| D13 | CONTRACTOR SHALL DISCONNECT, REMOVE AND RELOCATE ACTIVE SECURITY/NETWORK PANELS ON THIS WALL AND ELSEWHERE IN THIS ROOM TO NEW IT CLOSET INCLUDING ALL CABLING. |



KEY PLAN

PROJECT TITLE:
INTERIOR ALTERATIONS AT
AMITY REGIONAL HIGH SCHOOL MEDIA CENTER
25 NEWTON ROAD
WOODBRIDGE, CT 06525

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE:
FIRST FLOOR DEMOLITION PLAN

PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026

STATE PROJECT NUMBER:
205-0046 A

DATE: 11/07/2025
SCALE: As indicated
DRAWN BY: S. Croteau
PROJECT NUMBER: 23.195

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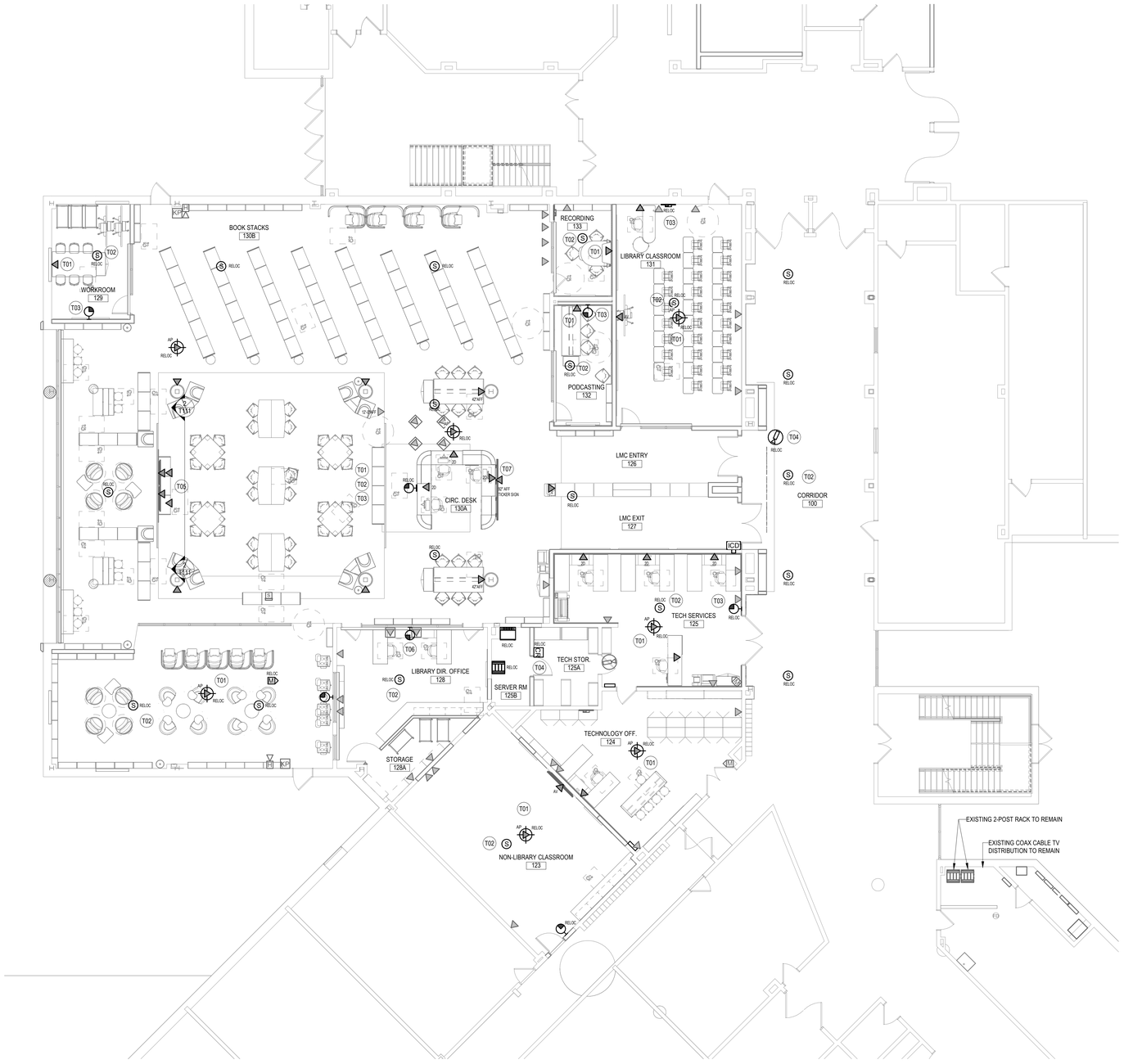
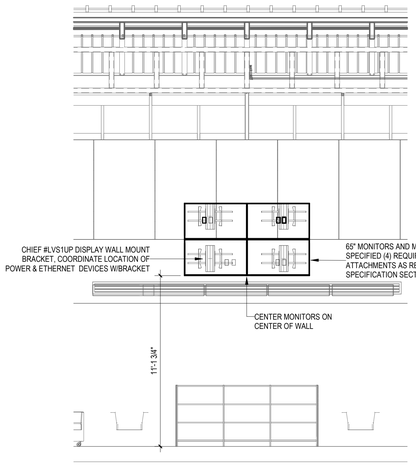



1 FIRST FLOOR TECHNOLOGY PLAN
1/8" = 1'-0"



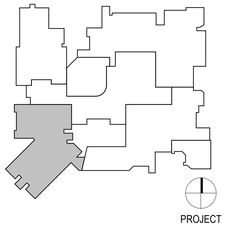

2 MEDIA CENTER PARTIAL WEST ELEVATION
1/4" = 1'-0"

## GENERAL NOTES

1. REFER TO DRAWING T001 FOR TECHNOLOGY SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
2. ALL WORK SHALL CONFORM WITH THE ELECTRICAL SPECIFICATIONS AND THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE (NEC).
3. ALL NEW DEVICES MOUNTED ON EXISTING CMU WALLS SHALL BE SURFACE MOUNTED WIREMOLD RACEWAY , TYPE 500 OR 700 SERIES FOR SINGLE SYSTEMS AND TYPE 4000 SERIES FOR MULTIPLE SYSTEMS. PROVIDE ALL NECESSARY ACCESSORIES, CONNECTIONS AND FITTINGS FOR A COMPLETE SYSTEM.
4. ALL EXISTING DEVICES SHOWN HALF-TONE (LIGHT), ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED AND ALL WIRING TO THESE DEVICES SHALL REMAIN. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE CONTINUITY OF ALL EXISTING WIRING EFFECTED BY THE RENOVATION AND PROVIDE ADDITIONAL WIRING AS NEEDED.

## (TXX) TECHNOLOGY KEY NOTES

| | |
|---|---|
| T01 | CONTRACTOR SHALL COORDINATE WITH OWNERIT DEPARTMENT TO CONFIRM WHERE NEW AND RELOCATED NETWORK DEVICES ARE TO BE TERMINATED (RELOCATED CABINET IN NEW IT ROOM OR EXISTING SWITCHES IN 2-POST RACKS IN THE MECHANICAL ROOM ACROSS AND DOWN THE HALL). |
| T02 | ALL NEW AND RELOCATED SPEAKERS SHALL BE CONNECTED TO THE EXISTING PAGING ZONE SERVING THIS AREA. |
| T03 | CONTRACTOR SHALL COORDINATE WITH OWNER NEW CLOCKS MATCH EXISTING AND IF THEY ARE TO BE SYSTEM CLOCKS OR INDEPENDANT. |
| T04 | CONTRACTOR SHALL REWIRE RELOCATED SECURITY EQUIPMENT (CAMERA, CARD READER, ETC.) BACK TO ORIGINAL CONTROL DEVICE THAT SERVED DEVICE BEFORE IT WAS RELOCATED. |
| T05 | CONTRACTOR SHALL INSTALL NETWORK DROPS BEHIND EACH OF THE 4 MONITORS MOUNTED AT THE FOLLOWING HEIGHTS: LOWER ROW 12'-0" TO THE CENTER OF OUTLET, AND UPPER ROW 14'-9" TO THE CENTER OF OUTLET. MOUNT THE BOTTOM EDGE OF VIDEO MONITOR APPROXIMATELY 3" ABOVE THE TOP EDGE OF THE EXISTING LINEAR DIFFUSER. |
| T06 | CONTRACTOR SHALL RELOCATE EXISTING CLOCK IN THIS LOCATION APPROXIMATELY 8 INCHES UP THE WALL SO IT WILL BE CENTERED BETWEEN THE NEW WINDOW SHADES AND THE CEILING. |
| T07 | CONTRACTOR SHALL FURNISH AND INSTALL A 9'-8" LONG BY 8.3" TALL LED TICKER SIGN BY RISE DISPLAY (MODEL #RISER TICKER-48-4 ) OR APPROVED EQUAL. |




KEY PLAN

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25 NEWTON ROAD
WOODBRIDGE, CT 06525

SILVER PETRUCELLI + ASSOCIATES
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REVISION: DESCRIPTION: DATE: REVISED BY:

DRAWING TITLE:
FIRST FLOOR PLAN

PROJECT SUBMISSION:
ISSUED FOR BID: 05/01/2026

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205-0046 A

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DRAWN BY: S. Croteau
PROJECT NUMBER: 23.195

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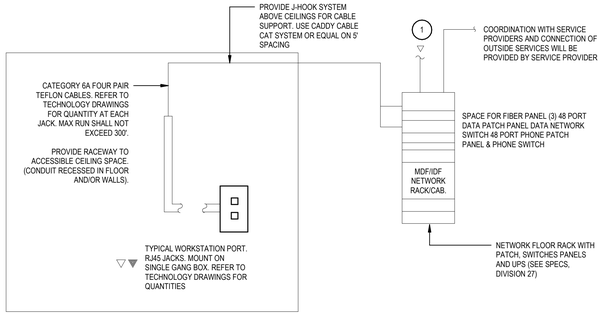
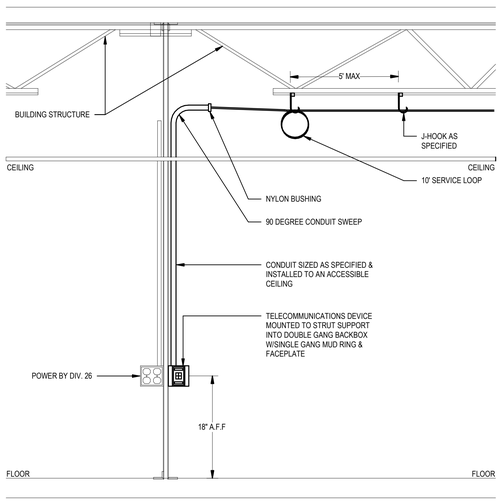



NOTES:

1. PROVIDE CAT6A CABLE FROM EACH JACK LOCATION TO NEAREST PUNCH BLOCKS AND/OR PATCH PANEL.
2. CONTRACTOR SCOPE FOR PHONE AND DATA SYSTEMS SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING: PROVISION / INSTALLATION AND TESTING OF CAT 6A CABLES. INSTALLATION AND IDENTIFICATION OF JACKS AT LOCATIONS SHOWN ON DRAWINGS. TERMINATION OF CABLES AT RACK MOUNTED PATCH PANELS AND PUNCH-DOWNS. INSTALLATION AS LISTED ABOVE INDICATES RESPONSIBILITY TO FURNISH, INSTALL, TEST AND WARRANTY THE ITEM.

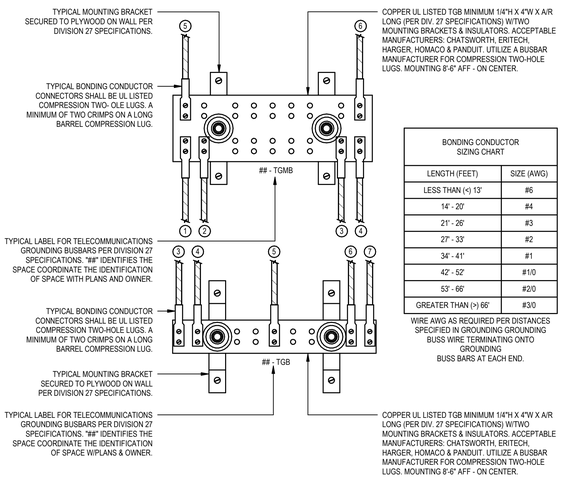
## 1 PHONE & DATA NETWORK DIAGRAM

NONE




## 2 TELECOMMUNICATIONS DEVICE MOUNTING TO STRUT SUPPORT DETAIL

NONE




| BONDING CONDUCTOR SIZING CHART | |
|---|---|
| LENGTH (FEET) | SIZE (AWG) |
| LESS THAN (<) 13' | #6 |
| 14' - 20' | #4 |
| 21' - 26' | #3 |
| 27' - 33' | #2 |
| 34' - 41' | #1 |
| 42' - 52' | #1/0 |
| 53' - 66' | #2/0 |
| GREATER THAN (>) 66' | #3/0 |

WIRE AWG AS REQUIRED PER DISTANCES SPECIFIED IN GROUNDING GROUNDING BUSS WIRE TERMINATING ONTO GROUNDING BUSS BARS AT EACH END.

GROUNDING & BONDING KEYNOTES:

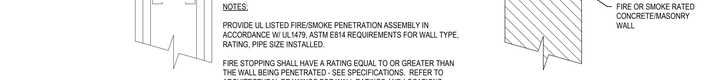
1. BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT) TO BUILDING GROUNDING ELECTRODE. REFER TO RISER DIAGRAM.
2. BCT TO NEAREST BUILDING STEEL STRUCTURE, IF APPLICABLE. UTILIZE EXOTHERMIC WELDING CONNECTION TO BUILDING STEEL.
3. BCT TO NEAREST BUILDING ELECTRICAL PANELBOARD GROUND BAR.
4. TELECOMMUNICATION BONDING BACKBONE (TBB) FOR GROUNDING EQUALIZER (GE), IF APPLICABLE. REFER TO RISER DIAGRAM.
5. TYPICAL TBB(S) THAT INTERCONNECTS ALL TGB(S) WITH THE TMGB. REFER TO RISER DIAGRAM.
6. BCT TO TELECOMMUNICATIONS CABLE RUNWAY(S), RACK(S), CABINET(S) AND APPLICABLE EQUIPMENT. DAISY CHAINING OF BCT AT RELAY IS NOT ACCEPTABLE. EACH RACK IS TO HAVE A BCT TO A COMPRESSION LUG TAP TO THE DEDICATED HOMERUN BCT BACK TO THETGB. SEE DETAILS.

GROUNDING & BONDING GENERAL NOTES:

A. REFER TO GROUNDING AND BONDING DIVISION 27 SPECIFICATIONS FOR ADDITIONAL INFORMATION
B. REFER TO GROUNDING AND BONDING RISER DIAGRAM FOR ADDITIONAL INFORMATION.
C. PROVIDED 2"C SLEEVE PATHWAY AT EACH FLOOR AND WALL PENETRATIONS FOR THE TELECOMMUNICATION BONDING BACKBONE (TBB). COORDINATE PROPER METHODS FOR PENETRATIONS WITH FIRESTOPPING AS REQUIRED PER DIVISION 07 SPECIFICATIONS.
D. BONDING CONDUCTORS SHALL BE #3/0 AWG COLOR GREEN INSULATED COPPER CONDUCTOR OR SIZED PER "BONDING CONDUCTOR SIZING CHART" (ANSI J-STD-607-A) IN PATHWAY.
E. FASTENING BONDING CONNECTOR TWO-HOLE LUGS TO ALL BUSBARS SHALL BE CLEANED AND APPLY A COPPER ANTI-OXIDANT TO THE CONTACT AREA OF BOTH THE CONNECTOR LUG AND THE BUSBAR.
F. BONDING CONDUCTORS AND BUSBARS SHALL BE LABELED WITH IDENTIFICATION IN ACCORDANCE WITH THE REQUIREMENTS OF ANSI/TIA/EIA-606-A.
G. BONDING CONDUCTORS SHALL BE LABELED WITH IDENTIFICATION LABEL NOTED BELOW AND SECURED WITH CABLE TIE TO EACH CONDUCTOR. (ANSI J-STD-607-A). "IF THIS CONNECTOR OR CABLE IS LOOSE OR MUST BE REMOVED, PLEASE CALL THEBUILDING TELECOMMUNICATIONS MANAGER".
H. CONTINUITY TESTING MEASUREMENTS OF THE GROUNDING RESISTANCE TO NOT EXCEED 0.1 OHM BETWEEN:
   1. THE TMGB AND THE NEAREST GROUNDING ELECTRODE.
   2. EACH TGB AND THE NEAREST GROUNDING ELECTRODE.
   3. EACH TGB AND PATHWAY(S), RACK(S), CABINET(S) AND APPLICABLE EQUIPMENT.

## 3 DATA ROOM - GROUNDING BUSS BAR TMGB & TGB

NONE




NOTES:

PROVIDE UL LISTED FIRE/SMOKE PENETRATION ASSEMBLY IN ACCORDANCE W/ UL1479, ASTM E814 REQUIREMENTS FOR WALL TYPE, RATING, PIPE SIZE INSTALLED.

FIRE STOPPING SHALL HAVE A RATING EQUAL TO OR GREATER THAN THE WALL BEING PENETRATED - SEE SPECIFICATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR WALL RATINGS AND LOCATIONS.

## 4 WALL PENETRATION WITH FIRE-SMOKE SEAL DETAIL

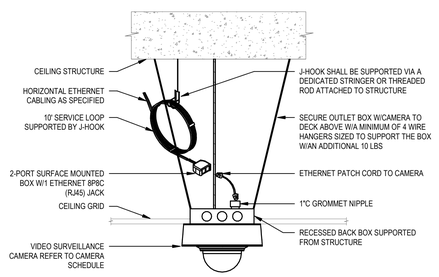
12" = 1'-0"

NOTES:

1. J-HOOKS SHALL BE SIZED TO ACCOMMODATE TWICE AS MANY CABLES REQUIRED TO BE SUPPORTED INCLUDING AN ADDITIONAL 40% HEADROOM.

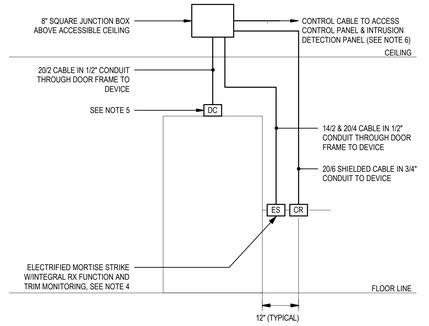
## 5 J-HOOK INSTALLATION DETAIL

NONE




## 6 CAMERA - INTERIOR CEILING MOUNT

NONE




NOTES:

1. TYPICAL SINGLE DOOR SHOWN. SEE ARCHITECTURAL DRAWINGS & SPECIFICATIONS FOR DOOR/FRAME DETAILS & HARDWARE SETS.
2. COORDINATE ELECTRICAL HARDWARE REQUIREMENTS W/HARDWARE SUPPLIER.
3. COORDINATE WIRING THROUGH FRAMES W/DOOR & FRAME INSTALLATION.
4. REQUEST TO EXIT (REX) DEVICE INTEGRAL TO HARDWARE. ELECTRIC STRIKE & WIRING HARNESSES PROVIDED W/HARDWARE. COORDINATE CONNECTIONS W/HARDWARE INSTALLATION.
5. RECESSED MAGNETIC CONTACTS. COORDINATE W/FRAME INSTALLATION. PROVIDE DPDT DOOR CONTACTS FOR CONNECTION TO ACCESS CONTROL SYSTEM.
6. WIRING TO ACCESS CONTROL PANEL, INTRUSION DETECTION PANEL & CAT 6 TO PATCH PANEL ABOVE ACCESSIBLE CEILINGS MAY BE INSTALLED SUPPORTED BY J-HOOKS. ALL WIRING SHALL BE PLENUM RATED.
7. COORDINATE WIRING THROUGH HOLLOW FRAMES & STOREFRONT CHANNELS W/THE FRAME/STOREFRONT INSTALLATION. WHERE CALLED FOR TO WIRE DEVICES "THROUGH THE FRAME IN CONDUIT", LOOSE WIRING IN THE FRAME CHANNELS IS ACCEPTABLE.
8. COORDINATE EXACT LOCATION OF CARD READER W/FIELD CONDITIONS & ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION.
9. SEE MANUFACTURER'S JOB SPECIFIC WIRING DIAGRAMS FOR ADDITIONAL INFORMATION.
10. COORDINATE EXACT LOCATION OF CARD READER W/FIELD CONDITIONS & ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION.

## 7 SINGLE DOOR CARD ACCESS WIRING DIAGRAM

NONE

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PROJECT SUBMISSION: ISSUED FOR BID: 05/01/2026
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SCALE: NONE
DRAWN BY: S. Croteau
PROJECT NUMBER: 23.195
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