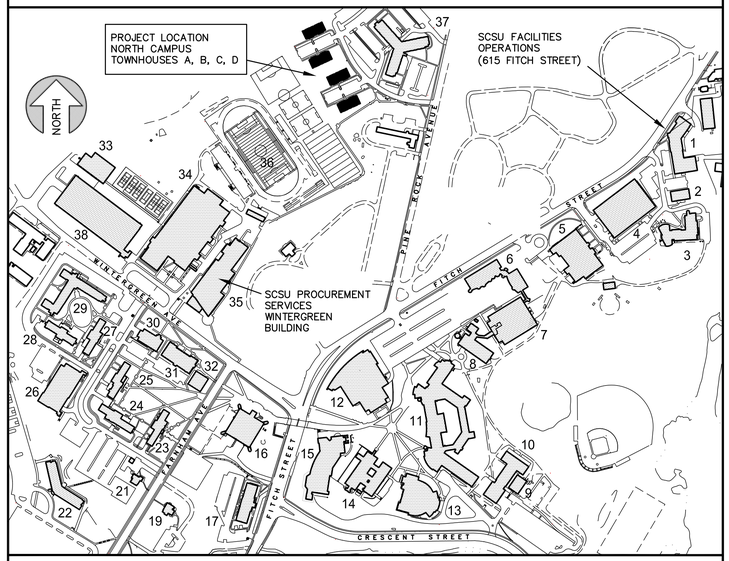
SOUTHERN CONNECTICUT STATE UNIVERSITY

DR. JOSEPH A. BERTOLINO
PRESIDENT

NORTH CAMPUS TOWNHOUSE UNITS RENOVATIONS 2020

PROJECT NO. SCSU-2020-03

LOCATION MAP



BUILDING NUMBER LEGEND

1 FACILITIES OPERATIONS
2 NURSING CLASSROOM BUILDING
3 DAVIS HALL
4 FITCH STREET PARKING GARAGE
5 PELZ GYMNASIUM
6 ACADEMIC SCIENCE AND LABORATORY BUILDING
7 JENNINGS HALL
8 MORRILL HALL
9 TE-8 – CLASSROOM BUILDING 8
10 SCHOOL OF BUSINESS
11 ENGLEMAN HALL
12 BULEY LIBRARY
13 LYMAN CENTER FOR THE PERFORMING ARTS
14 EARL HALL15 EARL HALL
15 ADANTI STUDENT CENTER
16 CONNECTICUT HALL – FOOD SERVICE
17 SCHWARTZ HALL – RESIDENCE HOUSING OFFICE
18 ETHNIC HERITAGE CENTER
19 ALUMNI HOUSE
20 LANG HOUSE – DEPARTMENT OF SOCIAL WORK
21 ORLANDO HOUSE – DEPARTMENT OF PUBLIC HEALTH
22 BROWNELL HALL – RESIDENCE HALL
23 FARNHAM HALL – RESIDENCE HALL
24 WILKINSON HALL – RESIDENCE HALL
25 CHASE HALL – RESIDENCE HALL
26 WEST CAMPUS PARKING GARAGE
27 HICKERSON HALL – RESIDENCE HALL
28 NEFF HALL – RESIDENCE HALL
29 WEST CAMPUS RESIDENCE COMPLEX
30 UNIVERSITY POLICE AND GRANOFF STUDENT HEALTH CENTER
31 OFFICE BUILDING 1
32 TE-6 – TEMPORARY BUILDING 6
33 ENERGY CENTER
34 MOORE FIELD HOUSE
35 WINTERGREEN BUILDING
36 JESS DOW FIELD
37 NORTH CAMPUS RESIDENCE COMPLEX
38 WINTERGREEN AVENUE PARKING GARAGE

SALAMONE & ASSOCIATES, P.C.

CONSULTING ENGINEERS

116 North Plains Industrial Road
Wallingford, Connecticut 06492
Phone: (203) 281-6895 Fax: (203) 287-8728

SOUTHERN CONNECTICUT STATE UNIVERSITY FACILITIES PLANNING DEPARTMENT, OFFICE OF FACILITIES OPERATIONS , 615 FITCH STREET, HAMDEN, CT 06514 UNIVERSITY REPRESENTATIVE: PETER J. VISENTIN A.I.A TEL (203) 392-6055 FAX (203) 392-6058

GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS AND DIMENSIONS. ANY DISCREPANCIES MUST BE REPORTED AND REVIEWED BY THE CONTRACTOR AND THE UNIVERSITY REPRESENTATIVE PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD VERIFICATIONS AND COORDINATION REQUIRED FOR SHOP DRAWING ACCEPTANCE.
3. EXISTING CONSTRUCTION TO REMAIN, WHICH IS REMOVED AND/OR ALTERED IN ORDER TO FACILITATE OR ACCESS OTHER WORK, SHALL BE REPAIRED AND FINISHED TO ITS ORIGINAL CONDITION PRIOR TO THOSE ALTERATIONS.
4. PATCH ALL EXISTING FINISHES TO REMAIN THAT ARE DAMAGED AS A RESULT OF THE CONSTRUCTION WORK.
5. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL ABOVE CEILING WORK AND SHALL REVIEW THE COMPLETE PLANS IN ORDER TO ANTICIPATE AND RESOLVE POTENTIAL CONFLICTS WITH SYSTEMS AND STRUCTURE (NEW AND EXISTING) PRIOR TO THEIR INSTALLATION.
6. AT ALL FLOOR AREAS TO RECEIVE NEW FINISHES, PROVIDE FLOOR FILLER FOR 100 PERCENT OF AREA, SEE SPECIFICATIONS.
7. DEMOLISH ABANDONED TELEPHONE AND NETWORK CABLING ABOVE CEILINGS IN ALL AREAS (TO BE IDENTIFIED BY OWNER).
8. PATCH HOLES WHERE FASTENINGS HAVE BEEN REMOVED AS PART OF THE DEMOLITION AT LOCATIONS WHERE THESE HOLES WILL REMAIN EXPOSED. PATCH TO MATCH ADJACENT EXISTING FINISH OR MATERIAL.
9. FIRE-STOP ELECTRICAL CONDUIT PENETRATIONS OF RATED FLOOR AND WALL ASSEMBLIES. INSTALLATION ASSEMBLY SHALL PROVIDE AN APPROVED THROUGH PENETRATION THAT HAS BEEN LISTED IN ACCORDANCE WITH ASTM E814. SEAL AROUND CONDUIT WITH UL LISTED FIRE-STOPPING MATERIAL WITH A RATING EQUAL OR GREATER THAN THAT OF THE FLOOR CONSTRUCTION.

BUILDING INFORMATION

EXISTING BUILDING INFORMATION:

EXISTING OCCUPANCY CLASSIFICATION:	GROUP GROUP R-3 (SEPARATED 2-UNIT TOWNHOUSES)
BUILDING HEIGHT AND AREA:	HEIGHT: 2 STOREY, 32 FEET TOTAL FLOOR AREA PER BUIDLING: 9,165 SQ. FT. FLOOR AREA PER FLOOR 4,582 SQ. FT.
CONSTRUCTION DATE:	ORIGINAL 1986 – FIRE PROTECTION & ELECTRICAL UPGRADES 2005 WINDOW RENOVATIONS 2009
CONSTRUCTION TYPE:	TYPE VB (1 HOUR CMU FIRE PARTITION WALL SEPARATING DUPLEX UNITS, 1 HOUR HORIZONTAL SEPARATION BETWEEN FIRST FLOOR AND SECOND FLOOR UNITS)
FIRE PROTECTION AND ALARM:	EXISTING AUTOMATIC FIRE DETECTION AND ALARM SYSTEM EXISTING NFPA 13R AUTOMATIC SPRINKLER SYSTEM

LEVEL 1 ALTERATIONS WORK AREA INFORMATION:

WORK AREA:	APPROX. 8,190 SQ. FT. TOTAL FLOOR AREA PER BUILDING
WORK AREA USE GROUP:	GROUP R-3 – NO CHANGE
WORK AREA OCCUPANT COUNT:	32 PERSONS (BASED ON BEDROOM OCCUPANCY) TOTAL BUILDING

BUILDING CODE INFORMATION

APPLICABLE CODES:

2018 CONNECTICUT STATE FIRE SAFETY CODE (AS AMENDED)
2015 INTERNATIONAL FIRE CODE
2015 NFPA 101 LIFE SAFETY CODE
2018 STATE BUILDING CODE, STATE OF CONNECTICUT (AS AMENDED)
2015 INTERNATIONAL BUILDING CODE
2015 INTERNATIONAL EXISTING BUILDING CODE
2015 INTERNATIONAL MECHANICAL CODE
2015 INTERNATIONAL PLUMBING CODE
2015 INTERNATIONAL ENERGY CONSERVATION CODE
ICC/ANSI A117.1-2009 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
2017 NATIONAL ELECTRICAL CODE (NFPA-70)

APPLICABLE CODE SCOPE:

CONNECTICUT STATE BUILDING CODE (CSBC)

CONNECTICUT STATE FIRE SAFETY CODE (CSFSC)

2015 INTERNATIONAL BUILDING CODE (IBC) WITH CT AMENDMENT

101.2 SCOPE EXCEPTION 2 – EXISTING BUILDINGS UNDERGOING ALTERATIONS PERMITTED TO COMPLY WITH THE INTERNATIONAL EXISTING BUILDING CODE PORTION OF 2018 CSBC

2015 INTERNATIONAL EXISTING BUILDING CODE (IEBC)

(AMD2018) 101.4.2 – LEGALLY OCCUPIED EXISTING BUILDINGS SHALL BE PERMITTED TO CONTINUE WITHOUT CHANGE EXCEPT AS SPECIFICALLY COVERED IN THE IEBC OR THE 2018 CONNECTICUT STATE FIRE SAFETY CODE (CSFSC)

(AMD2018) 101.10 MEANS OF EGRESS – MEANS OF EGRESS IN EXISTING BUILDINGS SHALL MEET THE REQUIREMENTS OF THE PROVISIONS OF PART IV OF THE CSFSC (NFPA 101 LIFE SAFETY CODE 2015) FOR THE PROPOSED OCCUPANCY

ALTERATIONS – LEVEL 1:

701.2 CONFORMANCE – ALTERATIONS SHALL NOT RESULT IN LESS SAFE CONDITIONS THAN THOSE CONDITIONS PRIOR TO THE ALTERATIONS

702.1, 702.2, 702.3 BUILDING ELEMENTS AND MATERIALS INTERIOR FINISHES – NEW FINISHES SHALL COMPLY WITH CHAPTER 8 OF THE IBC.

(AMD2018) 704.2 MINIMUM STANDARDS – MEANS OF EGRESS IN EXISTING BUILDINGS SHALL MEET THE REQUIREMENTS OF THE PROVISIONS OF PART IV OF THE 2018 CSFSC (NFPA 101 LIFE SAFETY CODE 2015)

702.6 (IEBC) MATERIALS AND METHODS – ALL NEW WORK SHALL COMPLY WITH THE REQUIREMENTS IN THE IBC, IECC, IMC AND IPC

804.4.2 (IBC) INTERIOR FLOOR FINISH – NEW FLOOR FINISH SHALL COMPLY WITH THE DOC FF-1 "PILL TEST"

LIST OF DRAWINGS

STATE OF CONNECTICUT
PETER JOSEPH VISENTIN
NO. 14926
LICENSED ARCHITECT

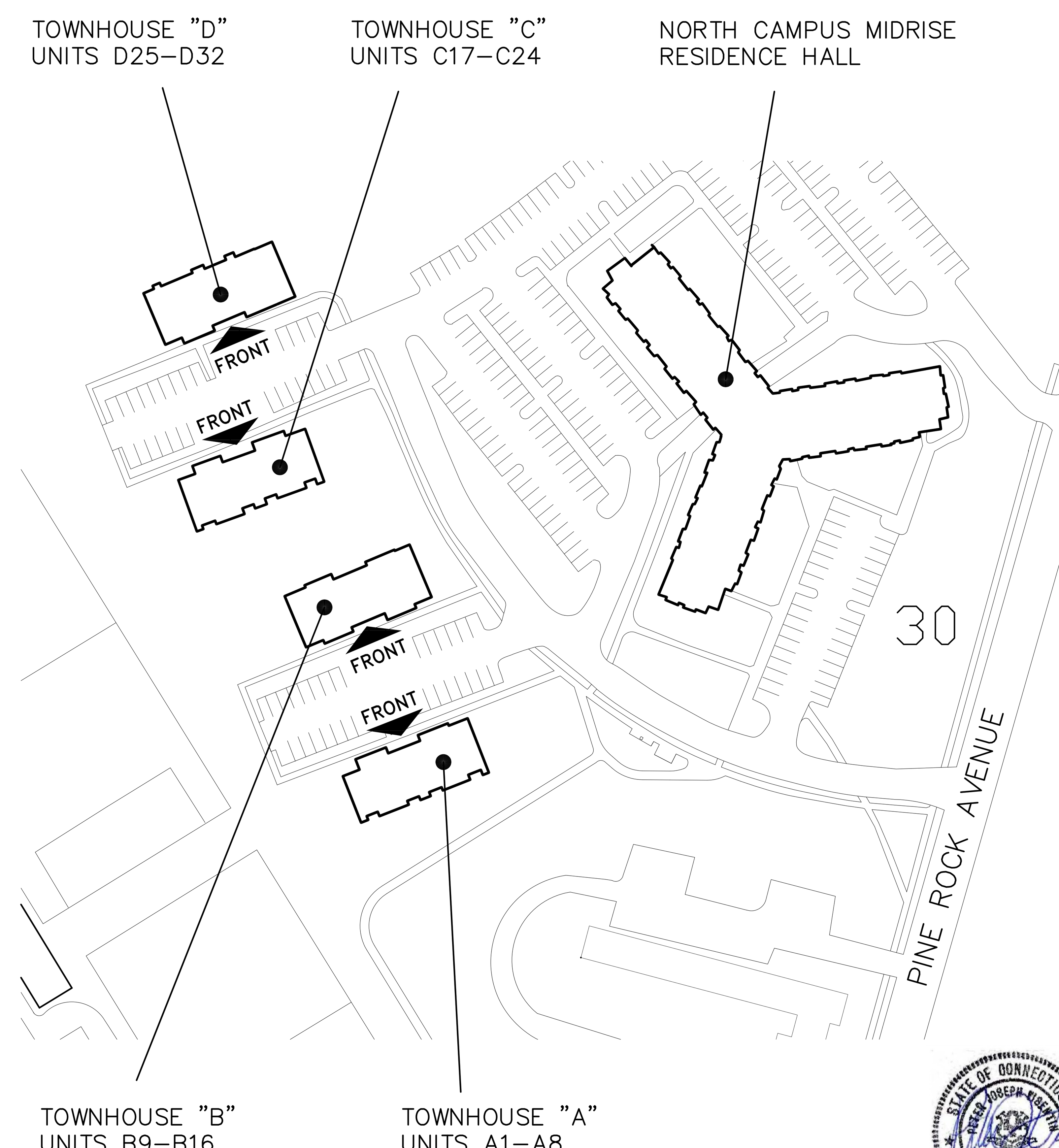
SET NO.

DATE:
APRIL 28, 2020

SHEET NO.
C1

2 / A1 **TOWNHOUSE FLOOR PLANS**

SCALE: 1/16" = 1'-0"



1 / A1 **NORTH CAMPUS RESIDENCE COMPLEX**

SOUTHERN CONNECTICUT STATE UNIVERSITY

FACILITIES PLANNING DEPARTMENT

615 FITCH STREET, HAMDEN, CT. 06514 TEL 203-392-6055

NORTH CAMPUS TOWNHOUSE UNITS RENOVATIONS 2020

PROJECT NO. SCSU-2020-03

DATE: APRIL 28, 2020

DRAWING TITLE: SITE AND OVERALL BUILDING PLANS

CADD. NO.

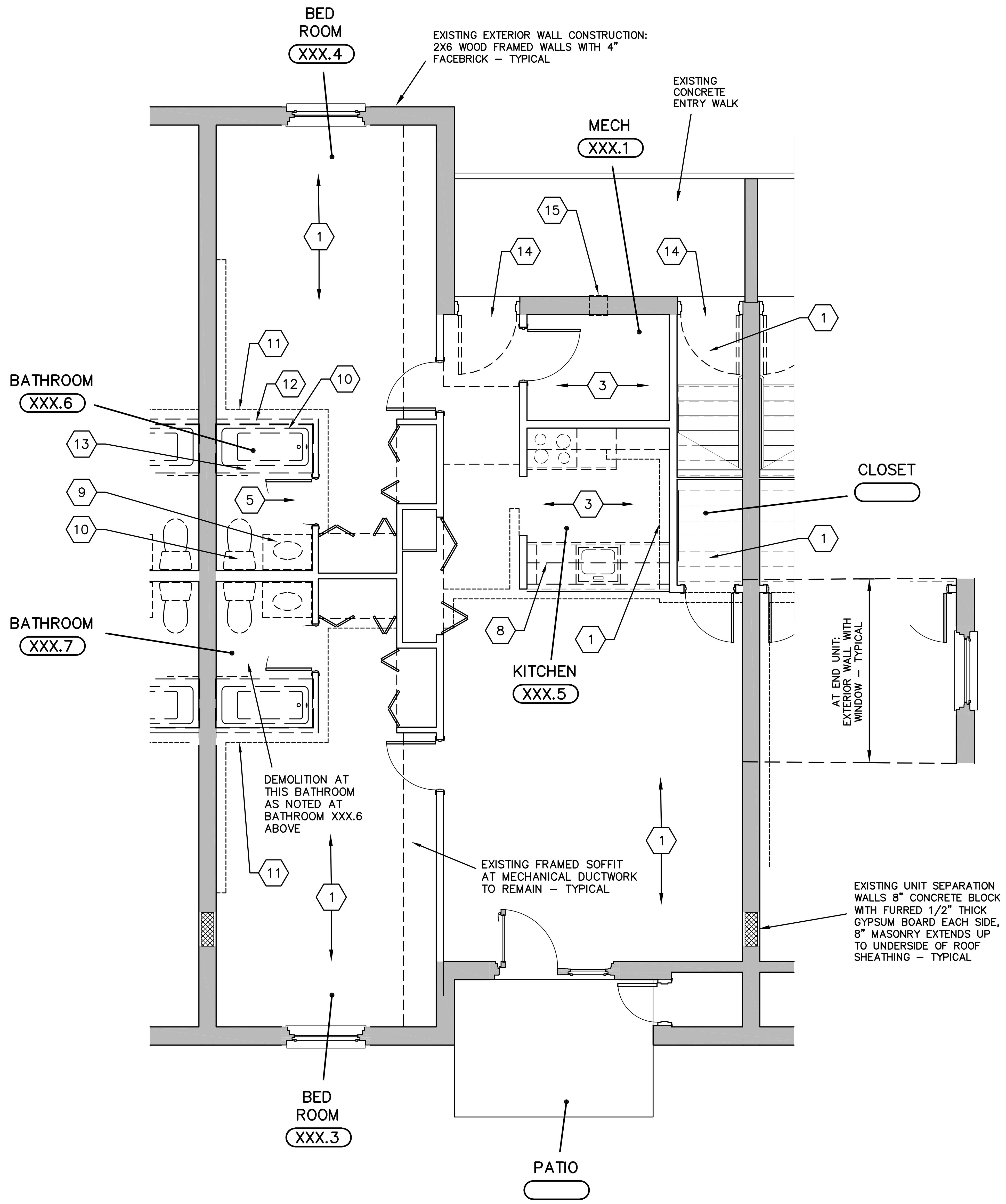
SHEET A1

24X36 Scale X" = X'
12X18 Scale X" = X'

DEMOLITION NOTES

SEE FIRE PROTECTION, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTES

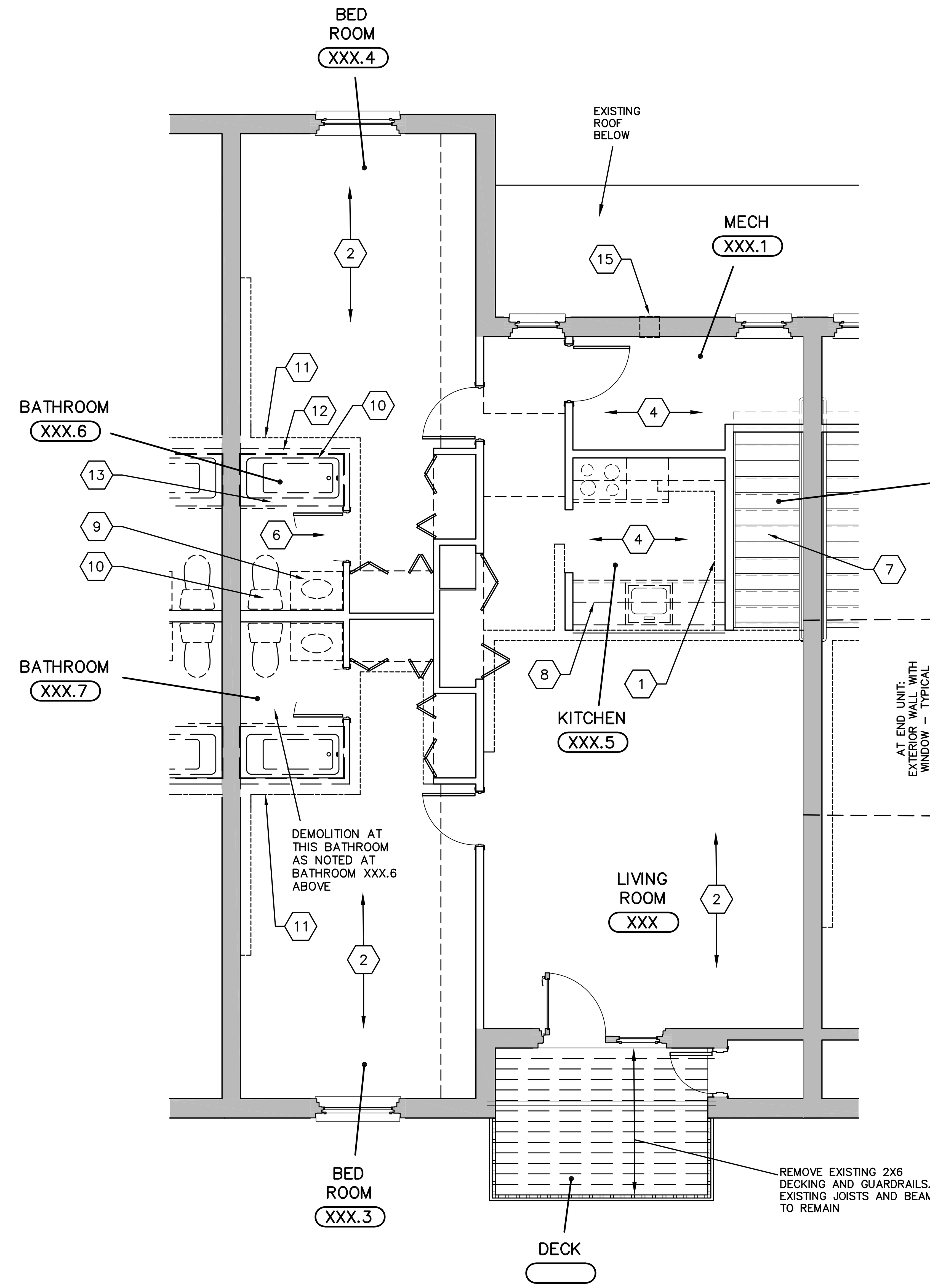
1. DEMOLISH EXISTING CARPETING (GLUE DOWN) AND WALL BASE. INSPECT EXISTING CONCRETE SLAB (4" THICK) ON GROUND FOR SOUNDNESS AND REPAIR AREAS AS NECESSARY TO PROVIDE A SOUND SUBSTRATE FOR NEW FLOOR FINISH
2. DEMOLISH EXISTING CARPETING (GLUE DOWN) AND WALL BASE. INSPECT EXISTING CONCRETE FILL (APPROX. 1 5/8" THICK) FOR SOUNDNESS AND REPAIR AREAS AS NECESSARY TO PROVIDE A SOUND SUBSTRATE FOR NEW FLOOR FINISH
3. DEMOLISH EXISTING SHEET VINYL (GLUE DOWN) AND WALL BASE. INSPECT EXISTING CONCRETE SLAB (4" THICK) ON GROUND FOR SOUNDNESS AND REPAIR AREAS AS NECESSARY TO PROVIDE A SOUND SUBSTRATE FOR NEW FLOOR FINISH
4. DEMOLISH EXISTING SHEET VINYL (GLUE DOWN) AND WALL BASE. INSPECT EXISTING CONCRETE FILL (APPROX. 1 5/8" THICK) FOR SOUNDNESS AND REPAIR AREAS AS NECESSARY TO PROVIDE A SOUND SUBSTRATE FOR NEW FLOOR FINISH
5. DEMOLISH EXISTING CERAMIC TILE (THIN-SET) AND CERAMIC TILE WALL BASE. INSPECT EXISTING CONCRETE SLAB (4" THICK) ON GROUND FOR SOUNDNESS AND REPAIR AREAS AS NECESSARY TO PROVIDE A SOUND SUBSTRATE FOR NEW FLOOR FINISH
6. DEMOLISH EXISTING CERAMIC TILE (THIN-SET) AND CERAMIC TILE WALL BASE. INSPECT EXISTING CONCRETE FILL (APPROX. 1 5/8" THICK) TO REMAIN FOR SOUNDNESS AND REPAIR AREAS AS NECESSARY TO PROVIDE A SOUND SUBSTRATE FOR NEW FLOOR FINISH
7. DEMOLISH EXISTING CARPETING AT STAIR TREADS AND RISERS. INSPECT EXISTING STAIR WOODWORK FOR SOUNDNESS AND RESET FASTENINGS AS NECESSARY TO PROVIDE A SOUND SUBSTRATE FOR NEW FINISH
8. CAREFULLY DEMOLISH EXISTING CASEWORK (BASE CABINETS, COUNTERS, SPLASHES AND WALL CABINETS) SO AS TO MINIMIZE DAMAGE TO ADJACENT WALLS AND CEILINGS TO REMAIN. DEMOLISH EXISTING RANGE AND DISHWASHER. PROTECT ELECTRICAL CIRCUITS TO REMAIN. SEE ELECTRICAL AND MECHANICAL DRAWINGS
9. DEMOLISH EXISTING LAVATORY VANITY AND SINK AND LAVATORY MIRROR/LIGHT FIXTURE. PROTECT ELECTRICAL CIRCUITS TO REMAIN. SEE ELECTRICAL AND MECHANICAL DRAWINGS
10. CAREFULLY DEMOLISH EXISTING TUB AND CERAMIC TILE WALL FINISH (TO 6'-0" ABOVE FLOOR) AND WATER CLOSET. PROTECT ELECTRICAL CIRCUITS AND PLUMBING ROUGH PIPING TO REMAIN. SEE ELECTRICAL AND MECHANICAL DRAWINGS
11. CAREFULLY REMOVE SPRINKLER PIPING SOFFIT AND CORNER CAP AT EXISTING TUB WALL AND RELOCATE EXISTING SPRINKLER PIPING AND SOFFIT TO NEW WALL LOCATION. PROVIDE NEW PIPING PENETRATION AT SEPARATION WALL TO CONNECT TO RELOCATED PIPING IN ADJACENT UNIT.
12. DEMOLISH EXISTING WOOD STUD AND GYPSUM BOARD WALL
13. DEMOLISH CEILING AND WALL FINISHES
14. CAREFULLY REMOVE EXISTING DOOR, FRAME AND THRESHOLD
15. CUT NEW OPENING IN EXISTING EXTERIOR WALL FRAMING AND FACE BIRICK FOR NEW RANGE HOOD EXHAUST WALL CAP



1/A2 PARTIAL FIRST FLOOR DEMOLITION PLAN - TYPICAL UNIT

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

LAYOUT AS SHOWN OR OPPOSITE HAND, SEE BUILDING PLANS FOR LAYOUTS FOR SPECIFIC UNIT NUMBERS. SEE PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTES



2/A2 PARTIAL SECOND FLOOR DEMOLITION PLAN - TYPICAL UNIT

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

LAYOUT AS SHOWN OR OPPOSITE HAND, SEE BUILDING PLANS FOR LAYOUTS FOR SPECIFIC UNIT NUMBERS. SEE PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTES

SOUTHERN CONNECTICUT STATE UNIVERSITY

FACILITIES PLANNING DEPARTMENT

615 FITCH STREET, HAMDEN, CT. 06514 TEL 203-392-6055

NORTH CAMPUS TOWNHOUSE UNITS RENOVATIONS 2020

PROJECT NO. SCSU-2020-03

DATE: APRIL 28, 2020

DRAWING TITLE: FIRST AND SECOND FLOOR TYPICAL UNIT DEMOLITION PARTIAL PLANS

CADD. NO.

SHEET A2

WALL CONSTRUCTION TYPE

A

WALL TYPE "A": 3 1/2" DOUGLAS FIR KILN-DRIED (STUD GRADE) STUD AT 16" O.C. WITH (1) LAYER OF 1/2" MOLD AND MOISTURE RESISTANT GYPSUM BOARD TYPE X FINISH AT BATHROOM SIDE, 1/2" THICK ABUSE RESISTANT GYPSUM BOARD AT BEDROOM SIDE. INSTALL MINERAL WOOL ACOUSTIC INSULATION IN STUD SPACES ADJACENT BEDROOM WALLS.

NOTE: ALL EXISTING WALLS AND CEILINGS IN BATHROOMS TO RECEIVE NEW 1/2" THICK MOISTURE RESISTANT GYPSUM BOARD

SYMBOL LEGEND

DFLRX — NEW DOOR OR DOOR AND FRAME

EXISTING DOOR AND FRAME TO REMAIN

NEW SHEET VINYL FLOORING

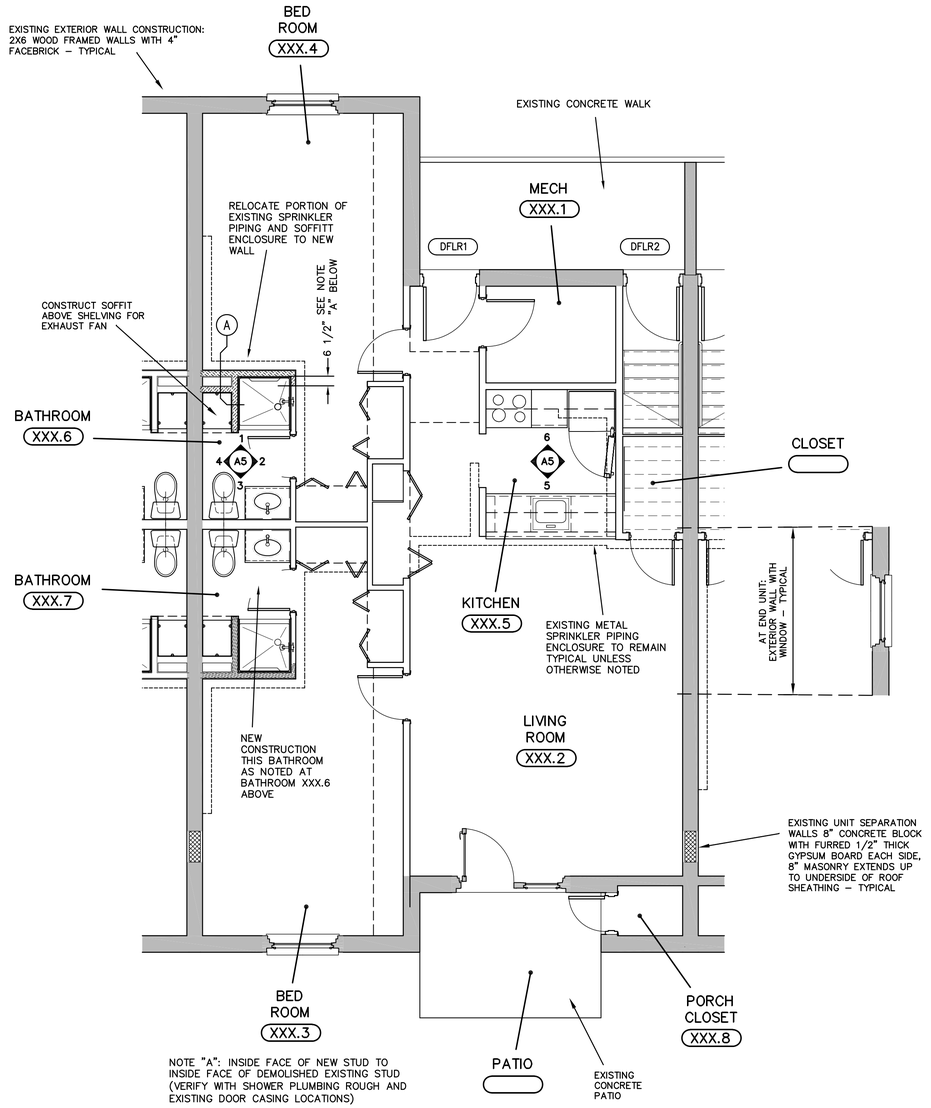
X / AX / X — INTERIOR ELEVATION REFERENCE "AX" INDICATES SHEET ON WHICH ELEVATION IS LOCATED "X" INDICATES DETAIL NUMBER ON THAT SHEET

STANDARD OF RENOVATIONS QUALITY
UNIT B10 (SECOND FLOOR END UNIT WITH THE LAYOUT SHOWN BELOW) WILL BE FULLY RENOVATED, PRIOR TO THE START OF WORK ON OTHER UNITS, AND THE ACCEPTED FINISHED UNIT WILL BE HELD AS THE STANDARD OF CONSTRUCTION QUALITY AGAINST WHICH OTHER WORK WILL BE EVALUATED AS ACCEPTABLE

NORTH

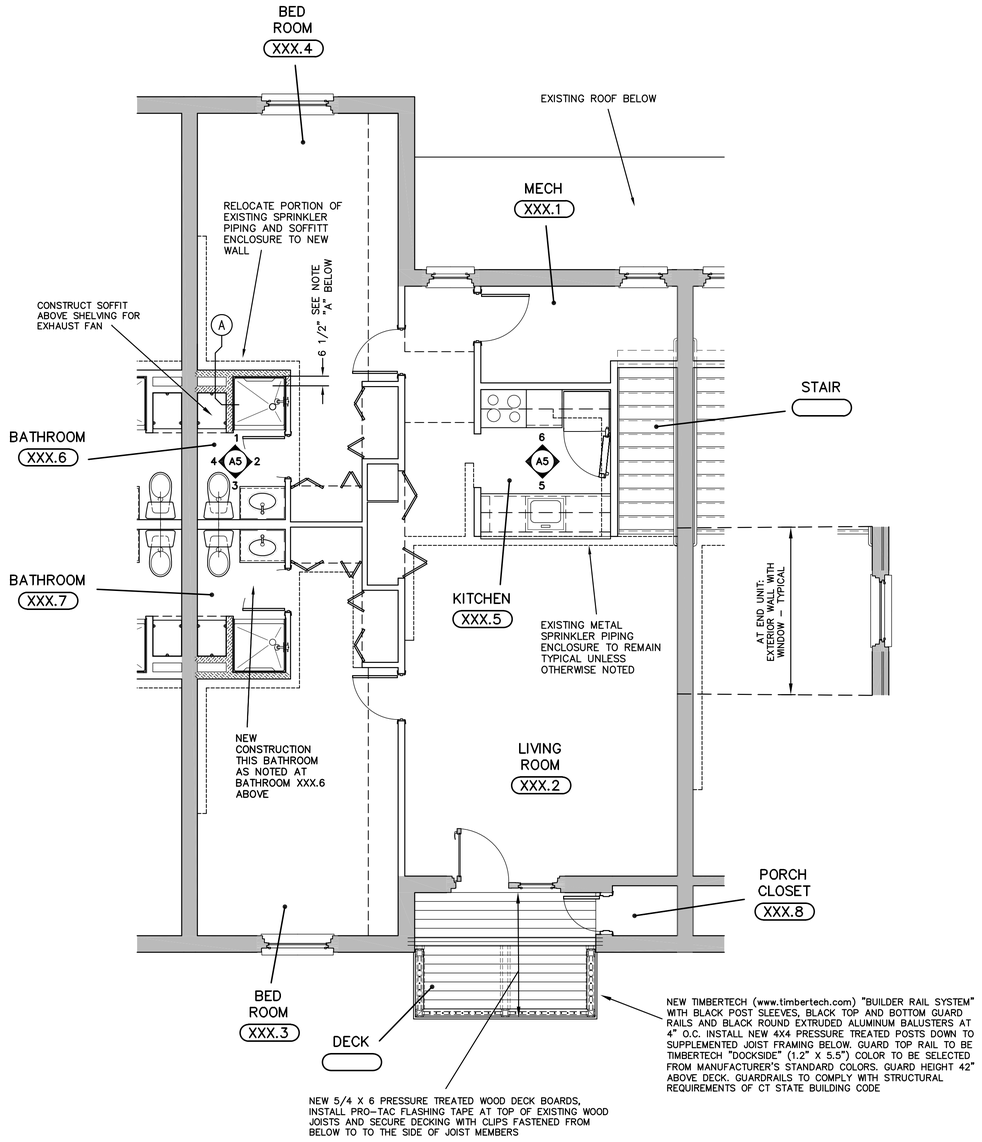
PROJECT NORTH ARROW IS FOR FINISH SCHEDULE REFERENCE ONLY

(ACTUAL BUILDING AND UNIT NORTH DIRECTION VARIES)



1 / A3 PARTIAL FIRST FLOOR PLAN – TYPICAL UNIT

SCALE: 1/4" = 1'-0" LAYOUT AS SHOWN OR OPPOSITE HAND, SEE OVERALL BUILDING PLANS FOR LAYOUTS FOR SPECIFIC UNIT NUMBERS



2 / A3 PARTIAL SECOND FLOOR PLAN – TYPICAL UNIT

SCALE: 1/4" = 1'-0" LAYOUT AS SHOWN OR OPPOSITE HAND, SEE OVERALL BUILDING PLANS FOR LAYOUTS FOR SPECIFIC UNIT NUMBERS

SOUTHERN CONNECTICUT STATE UNIVERSITY
FACILITIES PLANNING DEPARTMENT
615 FITCH STREET, HAMDEN, CT. 06514 TEL 203-392-6055

NORTH CAMPUS TOWNHOUSE UNITS
RENOVATIONS
2020

CADD. NO. A3
PROJECT NO. SCSU-2020-03
DATE: APRIL 28, 2020
DRAWING TITLE: FIRST AND SECOND FLOOR TYPICAL UNIT NEW WORK PARTIAL PLANS

STATE OF CONNECTICUT JAMES JOSEPH MARTIN NO. 14826 LICENSED ARCHITECT

DOOR SCHEDULE

NO.	DOOR TYPE	DOOR MATL.	SIZE (W X H)	THICK	FINISH	HARDWARE	ROOM NO.	ROOM NAME	LABEL	FRAME TYPE	FRAME MATL.	FRAME JAMB DEPTH	FRAME FINISH	JAMB DETAIL	REMARKS
DFLR1	TYPE A	METAL	3'-0" X 6'-8"	1 3/4"	NEW PAINT	1	N/A	ENTRY	NONE	1	METAL	8 3/4"	NEW PAINT	1/A4	CLOSER WITH HEAVY DUTY ARM
DFLR2	TYPE A	METAL	3'-0" X 6'-8"	1 3/4"	NEW PAINT	1	N/A	ENTRY	NONE	1	METAL	8 3/4"	NEW PAINT	1/A4	CLOSER WITH HEAVY DUTY ARM

DOOR FINISH HARDWARE SCHEDULE

FINISH HARDWARE SET 2: (DOOR: DFLR1 DOOR: DFLR2)

3 BUTTS	TA2714 4 1/2" X 4 1/2"	US26D	MCKINNEY
1 LOCKSET	8243 LE2L	US26D	SARGENT
1 CLOSER	TB 281-010	US26D	SARGENT
1 FLOOR STOP	482	US26D	ROCKWOOD
1 KICK PLATE	K1050 8X34 4BE CSK TEK	US32D	ROCKWOOD
1 DOOR VIEWER	622	STNN	ROCKWOOD

DOOR AND FRAME CONSTRUCTION

HOLLOW METAL FRAMES:

MANUFACTURER – BASIS OF DESIGN: CURRIES

16 GAUGE COLD ROLLED STEEL DOUBLE-RABBET FRAMES WITH WELDED CORNERS

PREPARE WITH HARDWARE (AS SCHEDULED) REINFORCEMENT

JAMB DEPTH (SEE SCHEDULE) FOR EXISTING WALL

FIELD VERIFY DOOR HANDING.

FRAME PROFILE TO BE MASONRY WITH COUNTERSUNK SOFFIT ANCHOR BOLTS – M

FRAMES TO BE FULL WELD CONSTRUCTION – FW

WELDED STEEL SPACING ANCHOR BRACKETS – WSB

FRAMES TO HAVE WEATHERSEAL KERF AND WEATHER SEAL MATERIAL

FRAMES TO BE FACTORY PRIME PAINTED

METAL DOORS:

MANUFACTURER – BASIS OF DESIGN: CURRIES

NEW FLUSH METAL DOORS:

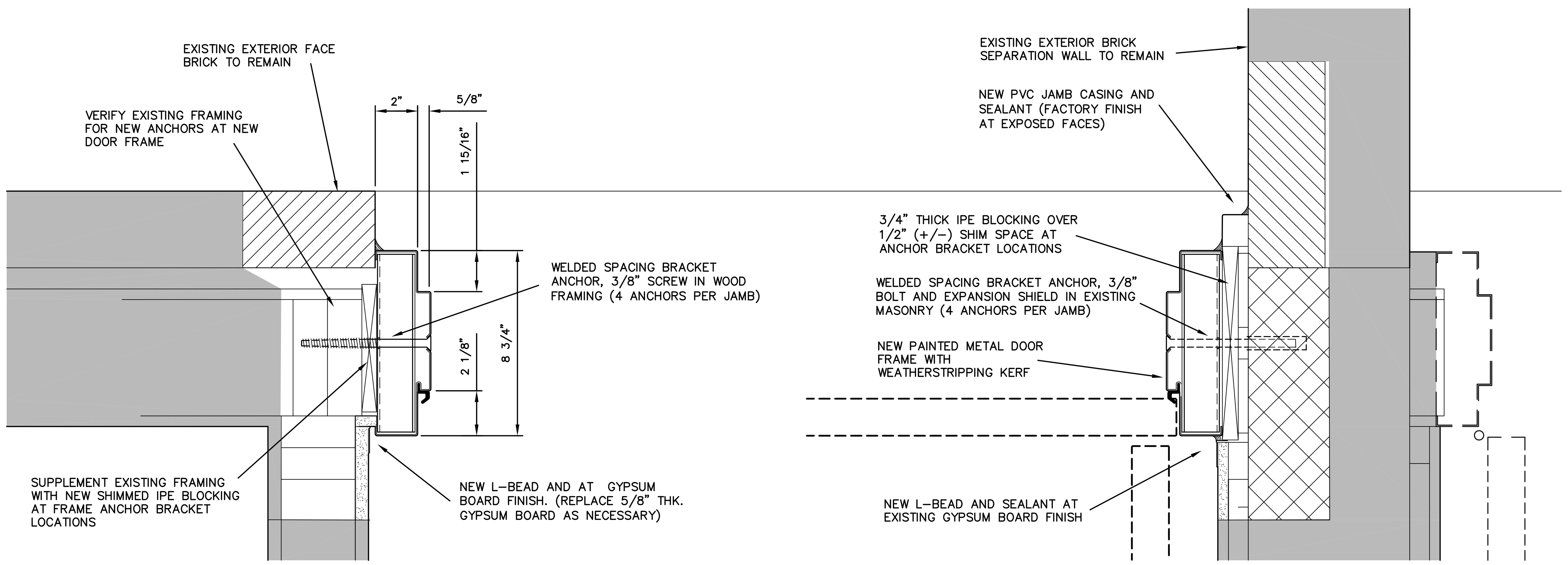
METAL DOORS TO BE MERCURY ENERGY EFFICIENT DOOR – 18 GAUGE COLD ROLLED STEEL WITH VERTICALLY STIFFENED POLYURETHANE CORE. DOOR ASSEMBLY U FACTOR – 0.38 (NFRC 102-2014) EMBOSSED PANEL DEIGN E609 (2 VISION LITE OVER 4 PANEL)

LOCK AND HINGE EDGE TO HAVE CENTER SEAM CONTINUOUSLY WIRE WELDED – T

DOORS TO BE REINFORCED FOR SCHEDULED HARDWARE

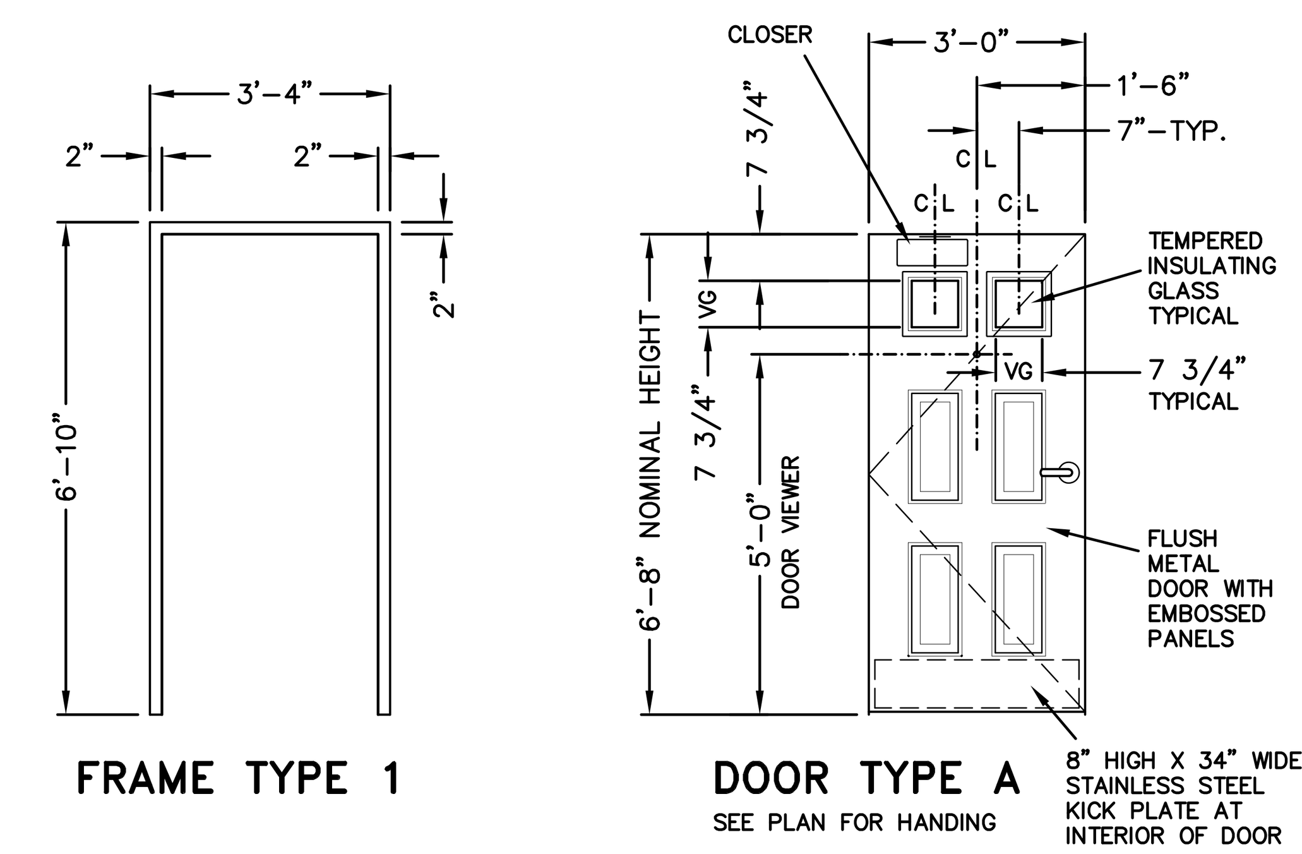
VISION PANELS TO HAVE TYPE 10 POCKET FOR 5/8" THICK LOe2 TEMPERED INSULATING GLASS

DOORS TO BE FACTORY PRIME PAINTED



1/A4 DETAIL – DOOR JAMB DETAIL AT DOOR DFLR2 SHOWN (OR OPPOSITE HAND), DETAIL AT DOOR DFLR1 SIMILAR

SCALE: 3" = 1'-0"



2/A4 DOOR AND FRAME TYPES

SCALE: 3/8" = 1'-0"

FINISH NOTES

BASIS OF DESIGN IS NOTED FOR MATERIALS

1) PAINT:

PT1: ALL NEW AND EXISTING GYPSUM BOARD WALL SURFACES TO RECEIVE NEW PAINT (NEW GYPSUM BOARD TO RECEIVE PRIMER PLUS (2) COATS) (SW PRO-MARK 400 INTERIOR LATEX – SHEEN: EGG-SHELL IN ALL ROOMS EXCEPT BATHROOMS AND KITCHENS, SEMI-GLOSS IN BATHROOMS AND KITCHENS) COLOR TO BE SELECTED.

PT2: EXISTING WOOD DOORS AND FRAMES AND WOOD WINDOW SILLS: (2) COATS S-W PRO CLASSIC INTERIOR WB, ACRYLIC/ALKYD CLASSIC SEMI-GLOSS B31. COLOR TO BE SELECTED

PT3: NEW METAL DOORS AND FRAMES TO RECEIVE PRIMER PLUS (2) COATS OF DTM ACRYLIC SEMI-GLOSS COLOR TO BE SELECTED. COLOR TO BE SELECTED.

2) NEW LUXURY VINYL TILE FLOORING:

MOHAWK INDUSTRIES – STYLE: "SELECT STEP II" 20 MIL WEAR LAYER, OVERALL THICKNESS 3 MM, COLOR TO BE SELECTED FROM MANUFACTURER'S STANDARD COLORS.

3) NEW SHEET VINYL FLOORING:

MOHAWK INDUSTRIES – 6 FOOT WIDE RESILIENT FLOORING – STYLE: "CALMNESS OR EPHEMERAL" 20 MIL WEAR LAYER, OVERALL THICKNESS 2 MM, COLOR TO BE SELECTED FROM MANUFACTURER'S STANDARD COLORS.

4) NEW CARPETING:

MOHAWK INDUSTRIES – STYLE: "FACULTY REMIX" 26 OZ. TUFTED TEXTURED MULTI-COLORED LOOP, 12 FOOT WIDE ROLLS, COLOR TO BE SELECTED FROM MANUFACTURER'S STANDARD COLORS.

5) NEW 4" RUBBER BASE (COVE) TO MATCH ROPPE "PINNACLE", COLOR TO BE SELECTED FROM MANUFACTURER'S STANDARD COLORS

FINISH SCHEDULE

SEE SPECIFICATIONS FOR ADDITIONAL FINISH INFORMATION NEW CARPET TO COMPLY WITH "DOC FF-1 "pill test". NOTE: ALL SPRINKLER PIPING SOFFIT ENCLOSURES TO REMAIN FACTORY FINISH

ROOM	FLOOR	BASE	N WALL	E WALL	S WALL	W WALL	CEILING	REMARKS
XXX.1 MECHANICAL	EXISTING TO REMAIN	EXISTING TO REMAIN	PAINT EXISTING GYPSUM BOARD PT1, PAINT EXISTING WINDOW SILLS PT2, (EXISTING FACTORY FINISHED WINDOWS)	PAINT EXISTING GYPSUM BOARD PT1.	PAINT EXISTING GYPSUM BOARD PT1	PAINT EXISTING GYPSUM BOARD PT1 PAINT EXISTING WOOD DOOR AND FRAME PT2	PAINT EXISTING GYPSUM BOARD PT1	PAINT EXISTING CEILING ACCESS DOORS (WHERE OCCURS) PT2
XXX.2 LIVING	NEW LUXURY VINYL TILE	NEW 4" HIGH RUBBER BASE	PAINT EXISTING GYPSUM BOARD PT1, (AT FIRST FLOOR PAINT EXISTING CLOSET DOOR AND FRAME PT2)	PAINT EXISTING GYPSUM BOARD PT1, (AT END UNITS PAINT EXISTING WINDOW SILL PT2)	PAINT EXISTING GYPSUM BOARD PT1, (EXISTING FACTORY FINISHED WINDOWS)	PAINT EXISTING GYPSUM BOARD PT1, PAINT EXISTING CLOSET DOORS AND FRAMES PT2	PAINT EXISTING GYPSUM BOARD PT1	
XXX.3 BEDROOM	NEW LUXURY VINYL TILE	NEW 4" HIGH RUBBER BASE	PAINT NEW AND EXISTING GYPSUM BOARD PT1 PAINT EXISTING WOOD DOOR AND FRAME PT2	PAINT EXISTING GYPSUM BOARD PT1 PAINT EXISTING WOOD DOORS AND FRAMES PT2	PAINT EXISTING GYPSUM BOARD PT1, PAINT EXISTING WINDOW SILL PT2, (EXISTING FACTORY FINISHED WINDOWS)	PAINT GYPSUM BOARD PT1, PAINT METAL WINDOW FRAMES PT3, NEW CASEWORK.	PAINT EXISTING GYPSUM BOARD PT1	
XXX.4 BEDROOM	NEW LUXURY VINYL TILE	NEW 4" HIGH RUBBER BASE	PAINT EXISTING GYPSUM BOARD PT1, PAINT EXISTING WINDOW SILL PT2, (EXISTING FACTORY FINISHED WINDOWS)	PAINT EXISTING GYPSUM BOARD PT1 PAINT EXISTING WOOD DOORS AND FRAMES PT2	PAINT NEW AND EXISTING GYPSUM BOARD PT1 PAINT EXISTING WOOD DOOR AND FRAME PT2	PAINT EXISTING GYPSUM BOARD PT1 PAINT EXISTING WOOD DOOR AND FRAME PT2	PAINT EXISTING GYPSUM BOARD PT1	
XXX.5 KITCHEN	NEW LUXURY VINYL TILE	NEW 4" HIGH RUBBER BASE	PAINT EXISTING GYPSUM BOARD PT1, NEW FACTORY FINISHED CASEWORK	PAINT EXISTING GYPSUM BOARD PT1	PAINT EXISTING GYPSUM BOARD PT1, NEW FACTORY FINISHED CASEWORK	PAINT EXISTING GYPSUM BOARD PT1, NEW STAINLESS STEEL SIDESPLASH AT RANGE	PAINT EXISTING GYPSUM BOARD PT1	INSTALL ARDEX LEVELING COMPOUND ON FLOOR SUBSTRATE, AT FIRST FLOOR PROVIDE MOISTURE BARRIER PRIMER AT CONCRETE SLAB
XXX.6 BATHROOM	NEW SHEET VINYL FLOORING	NEW 4" HIGH RUBBER BASE	PAINT NEW GYPSUM BOARD PT1, FACTORY FINISHED SHOWER	PAINT NEW GYPSUM BOARD PT1, PAINT DOOR AND FRAME PT2	PAINT NEW GYPSUM BOARD PT1, NEW FACTORY FINISED CASEWORK	PAINT NEW GYPSUM BOARD PT1	PAINT NEW GYPSUM BOARD PT1	PAINT NEW CEILING ACCESS DOOR AT FIRST FLOOR PT2. INSTALL ARDEX LEVELING COMPOUND ON FLOOR SUBSTRATE, AT FIRST FLOOR PROVIDE MOISTURE BARRIER PRIMER AT CONCRETE SLAB
XXX.7 BATHROOM	NEW SHEET VINYL FLOORING	NEW 4" HIGH RUBBER BASE	PAINT NEW GYPSUM BOARD PT1, NEW FACTORY FINISHED CASEWORK	PAINT NEW GYPSUM BOARD PT1, PAINT DOOR AND FRAME PT2	PAINT NEW GYPSUM BOARD PT1, FACTORY FINISHED SHOWER	PAINT NEW GYPSUM BOARD PT1	PAINT NEW GYPSUM BOARD PT1	PAINT NEW CEILING ACCESS DOOR AT FIRST FLOOR PT2. INSTALL ARDEX LEVELING COMPOUND ON FLOOR SUBSTRATE, AT FIRST FLOOR PROVIDE MOISTURE BARRIER PRIMER AT CONCRETE SLAB
XXX.8 PORCH CLOSET	EXISTING TO REMAIN	EXISTING TO REMAIN	PAINT EXISTING GYPSUM BOARD PT1	PAINT EXISTING GYPSUM BOARD PT1	PAINT EXISTING GYPSUM BOARD PT1	PAINT GYPSUM BOARD PT1, PAINT EXISTING METAL DOOR AND FRAME PT3 (INTERIOR AND EXTERIOR)	PAINT EXISTING GYPSUM BOARD PT1	
CLOSETS	NEW LUXURY VINYL TILE	NEW 4" HIGH RUBBER BASE	PAINT EXISTING GYPSUM BOARD PT1, PAINT DOORS, FRAMES AND EXISTING RODS AND SHELVING PT2	PAINT EXISTING GYPSUM BOARD PT1, PAINT DOORS, FRAMES AND EXISTING RODS AND SHELVING PT2	PAINT EXISTING GYPSUM BOARD PT1, PAINT DOORS, FRAMES AND EXISTING RODS AND SHELVING PT2	PAINT EXISTING GYPSUM BOARD PT1, PAINT DOORS, FRAMES AND EXISTING RODS AND SHELVING PT2	PAINT EXISTING GYPSUM BOARD PT1	
STAIR-ENTRY	NEW CARPETING	NEW 4" HIGH RUBBER BASE AT LANDING	PAINT NEW AND EXISTING GYPSUM BOARD PT1, PAINT METAL DOOR AND FRAME PT3	PAINT EXISTING GYPSUM BOARD PT1, PAINT EXISTING DOOR AND FRAME PT2 (AS OCCURS)	N/A	PAINT EXISTING GYPSUM BOARD PT1, PAINT EXISTING DOOR AND FRAME PT2 (AS OCCURS)	PAINT EXISTING GYPSUM BOARD PT1	

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FACILITIES PLANNING DEPARTMENT

615 FITCH STREET, HAMDEN, CT. 06514 TEL 203-392-6055

NORTH CAMPUS TOWNHOUSE UNITS RENOVATIONS 2020

CADD. NO.

PROJECT NO. SCSU-2020-03

DATE: APRIL 28, 2020

DRAWING TITLE: DOOR AND FINISH SCHEDULES, ELEVATIONS AND DETAILS

SHEET A4

BATHROOM ACCESSORIES

(A) TOILET PAPER DISPENSER: BRADLEY MODEL 505 – SURFACE MOUNTED DIECAST ZINC WITH COPPER AND NICKEL POLISHED CHROME PLATED FINISH. 5" DIAMETER PAPER ROLL SIZE STANDARD CORE SIZE. PUSH BUTTON RELEASE OF SUPPORT ARMS FOR REFILLING

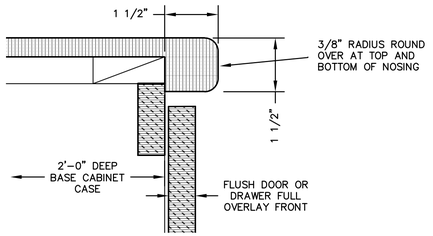
(B) HEAVY DUTY TOWEL BAR: GAMCO MODEL TB–3 –18" LONG WITH 18 GAUAGE TYPE 304 STAINLESS STEEL 1" DIAMETER TUBE BAR. SATIN CHROME SOLID BRASS POSTS WITH EXPOSED STAINLESS STEEL SCREW FASTENING

(C) HEAVY DUTY TOWEL BAR: GAMCO MODEL TB–3 – 24" LONG WITH 18 GAUAGE TYPE 304 STAINLESS STEEL 1" DIAMETER TUBE BAR. SATIN CHROME SOLID BRASS POSTS WITH EXPOSED STAINLESS STEEL SCREW FASTENING

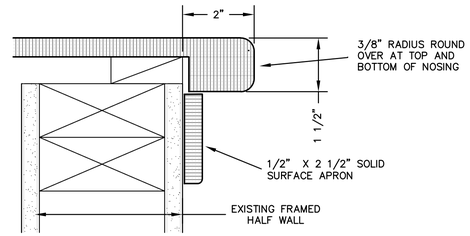
(D) NEW DOOR STOP – ROCKWOOD 432W CONCAVE RUBBER DOOR STOP, COLOR WHITE, SELF–ADHESIVE. MOUNT AT BOTTOM OF STRIKE STILE OF DOOR TO MEET SHOWER CURB

(E) NEW WALL MOUNTED MIRROR: BOBRICK B–1658–1830, 18" WIDE X 30" HIGH MIRROR (TYPE 430 STAINLESS STEEL CHANNEL FRAME WITH 1/4" TEMPERED GLASS) WITH CONCEALED SCREW LOCKING MOUNTING.

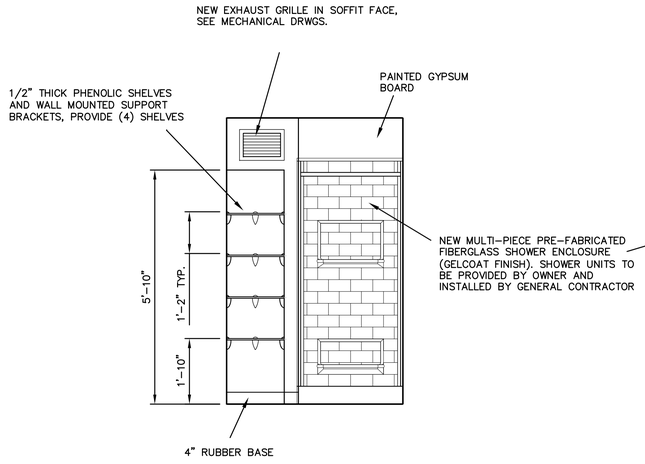
(F) SHOWER CURTAIN ROD: SHOWER RODS AND SHOWER CURTAINS WILL PROVIDED BY OWNER AND INSTALLED BY GENERAL CONTRACTOR



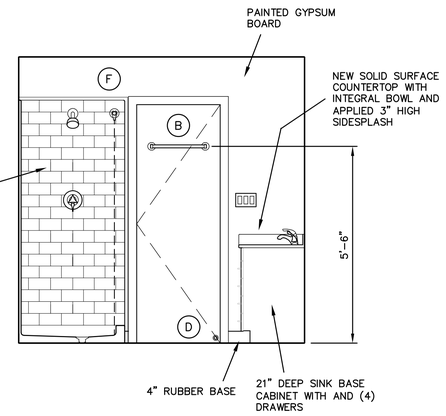
7/A5 COUNTERTOP NOSING AT CASEWORK
SCALE: 3" = 1'–0"



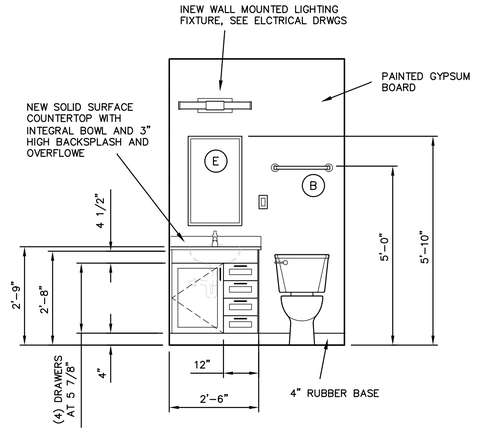
8/A5 COUNTERTOP NOSING AT HALF WALL
SCALE: 3" = 1'–0"



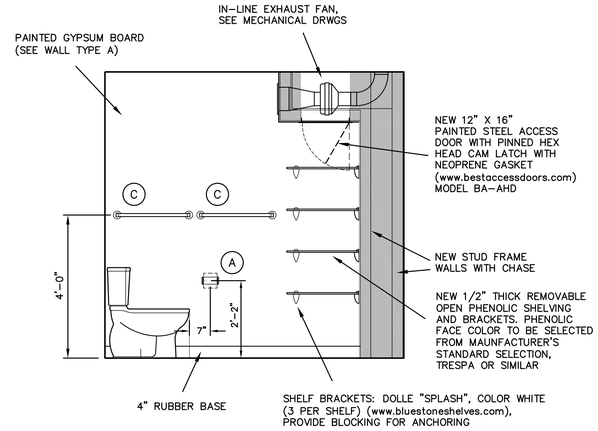
1/A5 ELEVATION 1 BATHROOM
SCALE: 1/2" = 1'–0"



2/A5 ELEVATION 2 BATHROOM
SCALE: 1/2" = 1'–0"



3/A5 ELEVATION 3 BATHROOM
SCALE: 1/2" = 1'–0"



4/A5 ELEVATION 4 BATHROOM
SCALE: 1/2" = 1'–0"

KITCHEN AND LAVATORY CASEWORK CONSTRUCTION:

ALL CONSTRUCTION TO MEET HUD SEVERE USE STANDARDS

(NOTE: USE OF PARTICLE BOARD, FLAKE BOARD, OR HARDBOARD IN THE CONSTRUCTION OF CABINETS AND COUNTERTOPS SHALL NOT BE ACCEPTED)

CONSTRUCTION STYLE: HARDWOOD STILE AND RAIL DOORS AND DRAWER FRONTS FLUSH OVERLAY ON FACE FRAME AS FOLLOWS:

1) 3/4" THICK KILN DRIED HARDWOOD FACE FRAMES
2) 3/4" THICK HARDWOOD STILE AND RAIL DRAWER AND DOOR FRONTS WITH INSET VENEER (BOTH SIDES) 1/2" PLYWOOD PANEL
3) 3/4" THICK PLYWOOD CORE SIDE PANELS
4) 1/2" THICK PLYWOOD BOTTOM AND UNEXPOSED BACK PANELS
5) DRAWERS TO HAVE 3/8" THICK MINIMUM VENEER PLYWOOD BOTTOMS DADOED AND GLUED INTO ALL FOUR SIDES OF DRAWER BOX
6) EPOXY COATED STEEL DRAWER GUIDES, 100 LB. MIN. CAPACITY, TWO SIDE–MOUNTED SLIDES PER DRAWER
7) WALL CABINET HANGING RAILS SHALL RUN CONTINUOUSLY ALONG TOP AND BOTTOM OF CABINET AND BE A MINIMUM OF 3/4" X 3" NOMINAL SOLID WOOD

WALL AND BASE CABINETS:

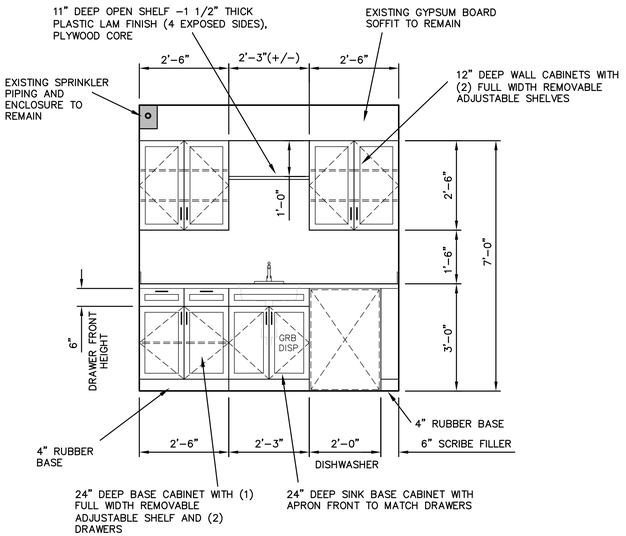
1) 3/4" THICK FACE FRAMES WITH 1 1/2" WIDE STILES AND 1 3/4" WIDE RAILS AND 2" WIDE CENTRAL VERTICAL AT PAIR DOORS. MEMBERS GLUED AND DOWELED. FACE FACE MEMBERS TO DADOED TO RECEIVE SIDES BOTTOMS AND TOPS
2) 3" DEEP TOE KICK
3) BASE CABINETS INSTALLED ON CONCRETE SLABS TO BE SHIMMED WITH PHENOLIC OR OTHER HIGH DENSITY NON WATER ABSORBENT MATERIAL (NO UNTREATED WOOD MATERIALS SHOULD COME IN CONTACT WITH CONCRETE SLABS)
4) SHELVES TO BE 1/2" HARDWOOOD VENEER WITH PLYWOOD CORE WITH EDGE BANDING AT (4) SIDES
5) CONCEALED HINGES TO BE HIGH QUALITY SELF CLOSING AS MANUFACTURED BY BLUM OR EQUAL
6) ALL SURFACES OF WALL CABINET BOTTOM CONSTRUCTION TO BE FINISHED WITH PAINTED ALKYD FACTORY FINISH
7) PAINTED FINISHED FILLERS SHALL BE SCRIBED TO FIT EXISTING CONDITIONS. PROVIDE BOTTOM FILLERS AT WALL CABINETS
8) DOOR AND DRAWER PULLS TO BE 4" CHROME PLATED WIRE PULLS
9) EXPOSED PAINT COLOR TO BE SELECTED FROM MANUFACTURER'S STANDARD SELECTIONS
10) ALL CABINETS SURFACES TO RECEIVE OPAQUE ALKYD PAINT FINISH
11) VERIFY THAT SUFFICIENT EXISTING WALL BLOCKING EXISTS FOR MOUNTING AND PROVIDE ADDITIONAL BLOCKING AS NECESSARY
12) PROVIDE CUT–OUTS AT CABINET BACKS FOR ACCESS TO PLUMBING PIPING AND ELECTRICAL DEVICE(S) MOUNTED IN BASE CABINETS
13) PROVIDE FINISHED BACK PANELS WHERE CABINETS ARE INSTALLED TOWARDS LIVING ROOM

KITCHEN COUNTERTOPS:

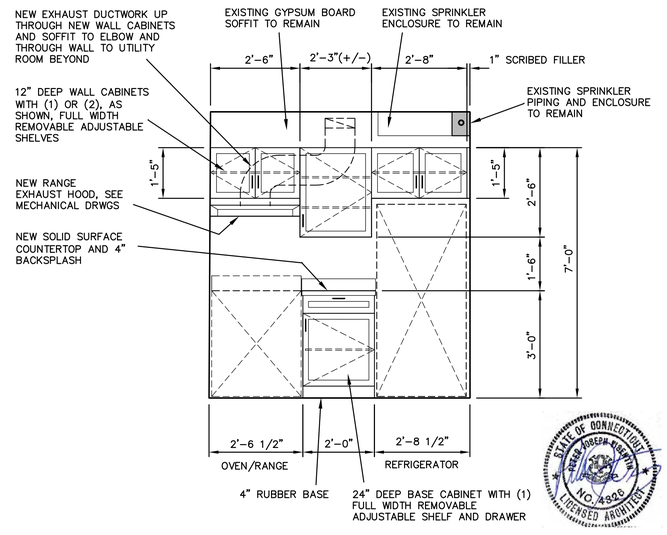
1) COUNTERTOPS AND BACK AND SIDESPLASHES TO BE POLYMER SOLID SURFACING WITH 1 1/2" HIGH SQUARE (EASED) NOSING (1 1/2" PROJECTION BEYOND FACE FRAME OF BASE CABINET)
2) SOLID SURFACING TO BE SELECTED FROM MANUFACTURER'S STANDARD SELECTIONS
3) COORDINATE COUNTERTOP PREPARATION FOR UNDERMOUNT STAINLESS STEEL SINK AND CORING FOR FAUCET
4) WHERE COUNTERTOP EXTENDS OVER HALF–WALL AT LIVING ROOM PROVIDE 2" NOSING EXTENSION BEYOND WALL FACE AND INSTALL 1/2" THICK X 2 1/2" HIGH SOLID POLYMER APRON BELOW NOSING. PROVIDE 2" HORNS AT EACH END OF NOSING EXTENSION SCRIBED TO WALL. SEE DETAIL ABOVE

LAVATORY COUNTERTOPS:

1) COUNTERTOP AND BACKSPLASH TO BE POLYMER SOLID SURFACING WITH 1" HIGH SQUARE (EASED) NOSING WITH AN INTEGRAL SINK BOWL (WITH OVERFLOW) AND 4" CENTERSET CORING FOR FAUCET
2) SOLID SURFACING TO BE SELECTED FROM MANUFACTURER'S STANDARD SELECTIONS
3) PROVIDE MATCHING SIDESPLASH ACCESSORY
4) SIZE: 31" WIDE X 22" DEEP



5/A5 ELEVATION 5 KITCHEN CASEWORK
SCALE: 1/2" = 1'–0"



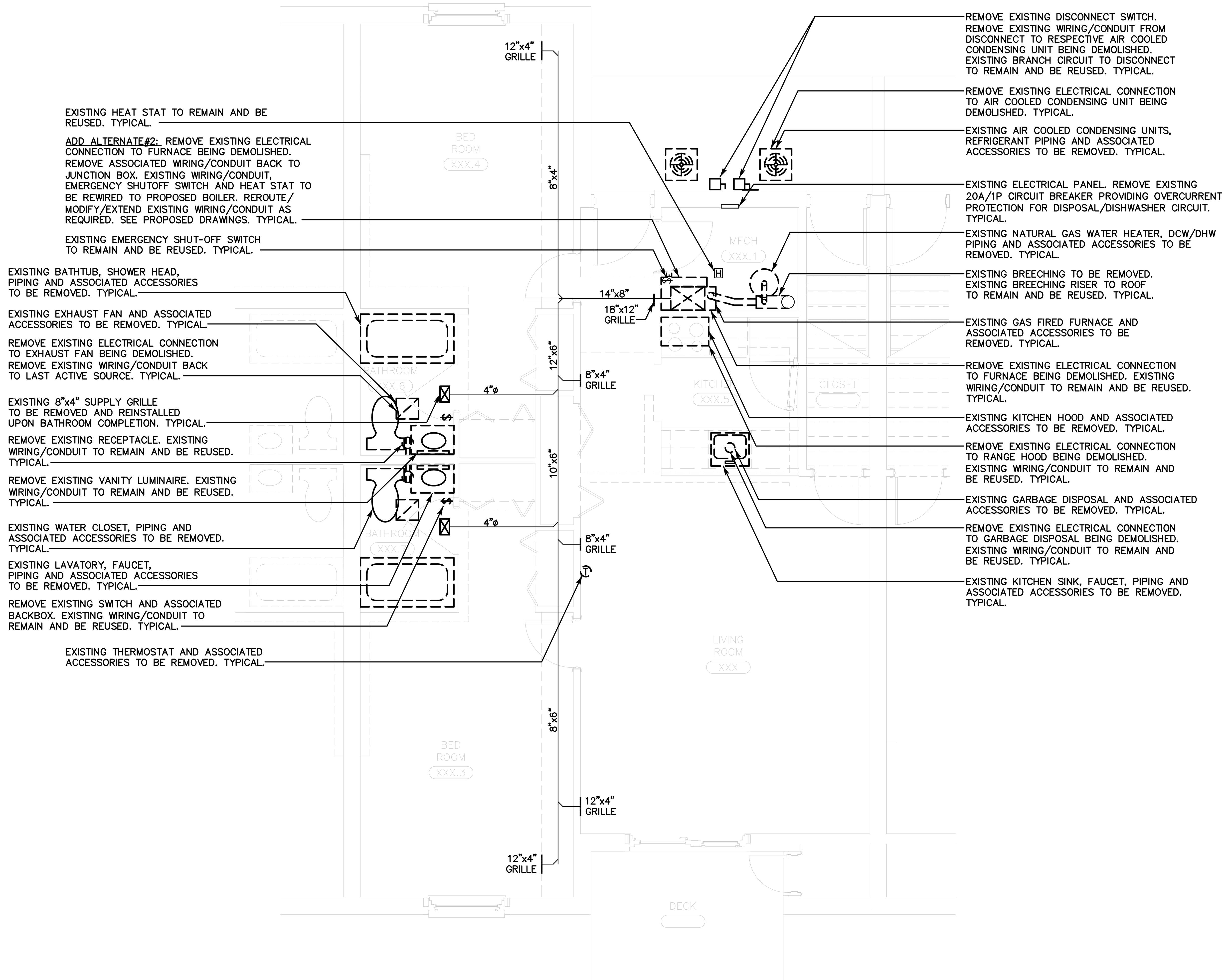
6/A5 ELEVATION 6 KITCHEN CASEWORK
SCALE: 1/2" = 1'–0"

STATE OF CONNECTICUT — LICENSED ARCHITECT — NO. 4328

SOUTHERN CONNECTICUT STATE UNIVERSITY
FACILITIES PLANNING DEPARTMENT
615 FITCH STREET, HAMDEN, CT. 06514 TEL 203–392–6055

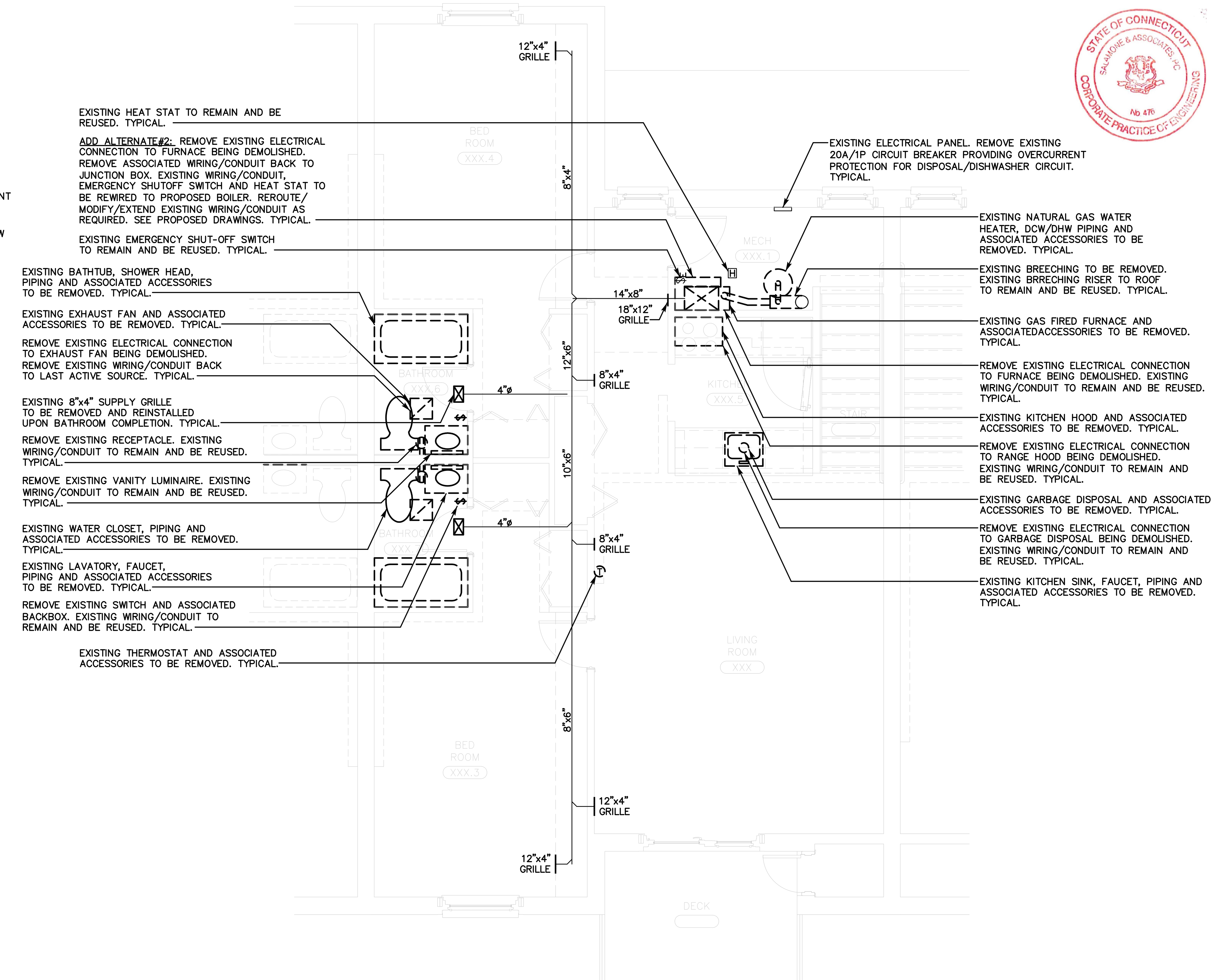
NORTH CAMPUS TOWNHOUSE UNITS
RENOVATIONS
2020

CADD. NO.
PROJECT NO. SCSU–2020–03
DATE: APRIL 28, 2020
DRAWING TITLE: BATHROOM AND KITCHEN TYPICAL UNIT ELEVATIONS, CASEWORK AND DETAILS
SHEET A5



1 DPME1 **PARTIAL FIRST FLOOR PLUMBING/MECHANICAL/ ELECTRICAL DEMOLITION PLAN – TYPICAL UNIT**

SCALE: 1/4" = 1'-0" LAYOUT AS SHOWN OR OPPOSITE HAND, SEE BUILDING PLANS FOR LAYOUTS FOR SPECIFIC UNIT NUMBERS



2 DPME1 **PARTIAL SECOND FLOOR PLUMBING/MECHANICAL/ ELECTRICAL DEMOLITION PLAN – TYPICAL UNIT**

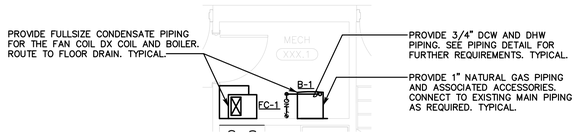
SCALE: 1/4" = 1'-0" LAYOUT AS SHOWN OR OPPOSITE HAND, SEE BUILDING PLANS FOR LAYOUTS FOR SPECIFIC UNIT NUMBERS

SOUTHERN CONNECTICUT STATE UNIVERSITY
FACILITIES PLANNING DEPARTMENT
615 FITCH STREET, HAMDEN, CT. 06514 TEL 203-392-6055

CONSULTANT: SALAMONE & ASSOCIATES, P.C. CONSULTING ENGINEERS

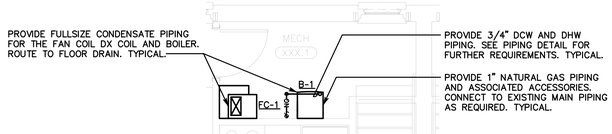
NORTH CAMPUS TOWNHOUSES BATHROOM REPLACEMENT 2020

PROJECT NO. SCSU-2020-03
DATE: APRIL, 28 2020
DRAWING TITLE: PARTIAL PLUMBING/MECHANICAL/ ELECTRICAL DEMOLITION PLANS
CADD. NO.
SHEET DPME1



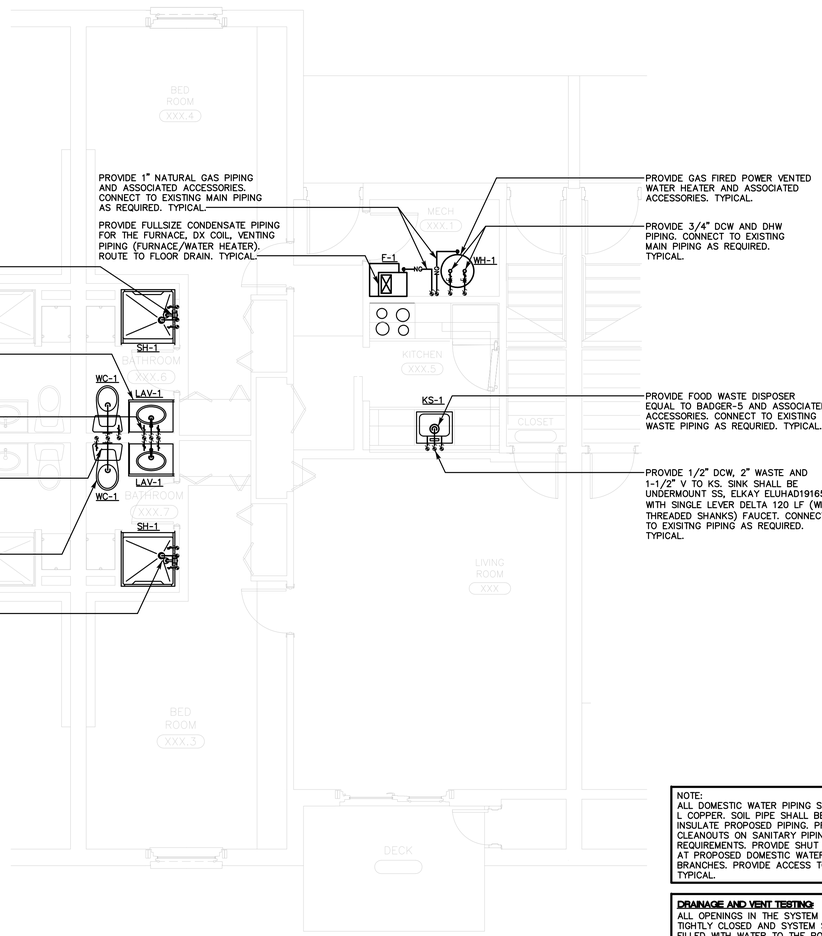
3 P1 PARTIAL FIRST FLOOR MECHANICAL PLAN – TYPICAL UNIT ADD ALTERNATE #2 – COMBINATION BOILER SYSTEM

SCALE: 1/4" = 1'–0" LAYOUT AS SHOWN OR OPPOSITE HAND, SEE BUILDING PLANS FOR LAYOUTS FOR SPECIFIC UNIT NUMBERS



4 P1 PARTIAL FIRST FLOOR MECHANICAL PLAN – TYPICAL UNIT ADD ALTERNATE #2 – COMBINATION BOILER SYSTEM

SCALE: 1/4" = 1'–0" LAYOUT AS SHOWN OR OPPOSITE HAND, SEE BUILDING PLANS FOR LAYOUTS FOR SPECIFIC UNIT NUMBERS

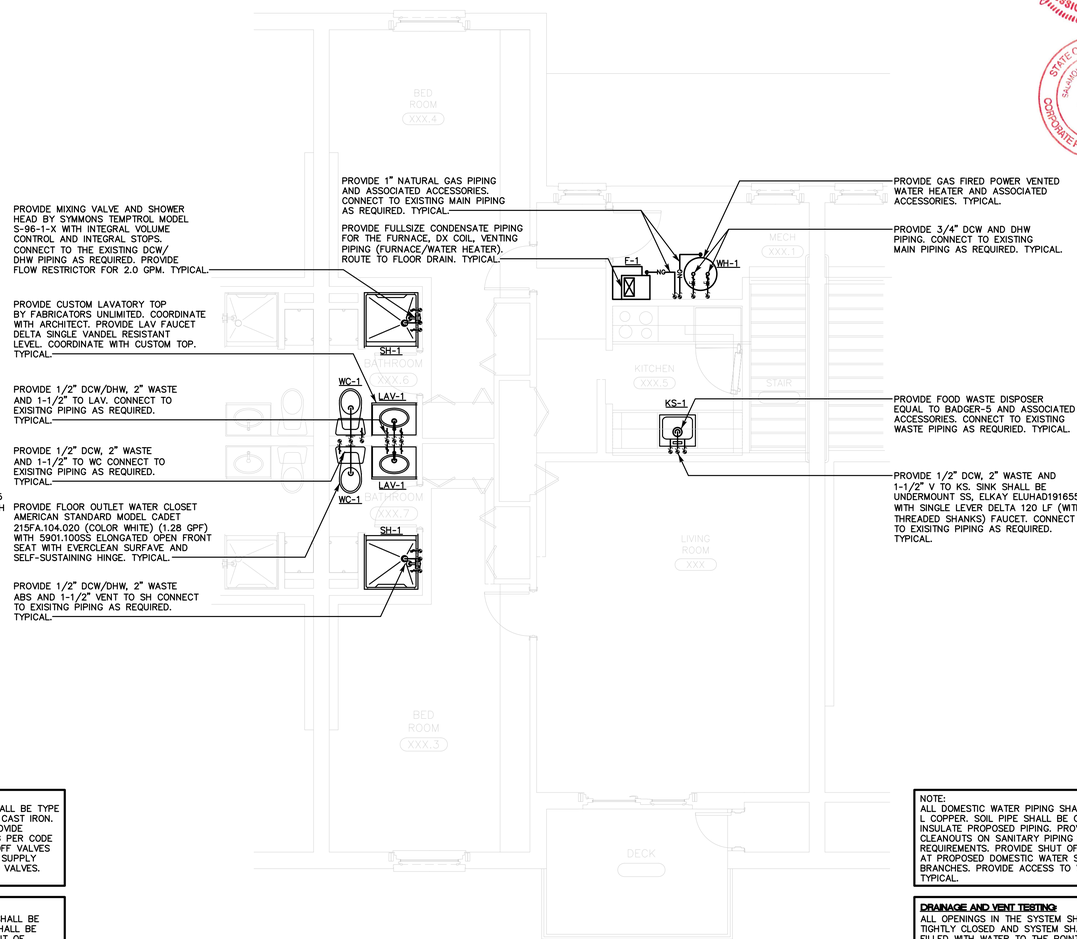


NOTE:
ALL DOMESTIC WATER PIPING SHALL BE TYPE L COPPER. SOIL PIPE SHALL BE CAST IRON. INSULATE PROPOSED PIPING. PROVIDE CLEANOUTS ON SANITARY PIPING PER CODE REQUIREMENTS. PROVIDE SHUT OFF VALVES AT PROPOSED DOMESTIC WATER SUPPLY BRANCHES. PROVIDE ACCESS TO VALVES. TYPICAL.

DRAINAGE AND VENT TESTING:
ALL OPENINGS IN THE SYSTEM SHALL BE TIGHTLY CLOSED AND SYSTEM SHALL BE FILLED WITH WATER TO THE POINT OF OVERFLOW. SYSTEM SHALL BE TESTED WITH NOT LESS THAN A 10-FOOT HEAD OF WATER. TO PASS, THE PRESSURE SHALL BE HELD BY THE SYSTEM FOR NOT LESS THAN 15 MINUTES.

1 P1 PARTIAL FIRST FLOOR PLUMBING PLAN – TYPICAL UNIT

SCALE: 1/4" = 1'–0" LAYOUT AS SHOWN OR OPPOSITE HAND, SEE BUILDING PLANS FOR LAYOUTS FOR SPECIFIC UNIT NUMBERS



NOTE:
ALL DOMESTIC WATER PIPING SHALL BE TYPE L COPPER. SOIL PIPE SHALL BE CAST IRON. INSULATE PROPOSED PIPING. PROVIDE CLEANOUTS ON SANITARY PIPING PER CODE REQUIREMENTS. PROVIDE SHUT OFF VALVES AT PROPOSED DOMESTIC WATER SUPPLY BRANCHES. PROVIDE ACCESS TO VALVES. TYPICAL.

DRAINAGE AND VENT TESTING:
ALL OPENINGS IN THE SYSTEM SHALL BE TIGHTLY CLOSED AND SYSTEM SHALL BE FILLED WITH WATER TO THE POINT OF OVERFLOW. SYSTEM SHALL BE TESTED WITH NOT LESS THAN A 10-FOOT HEAD OF WATER. TO PASS, THE PRESSURE SHALL BE HELD BY THE SYSTEM FOR NOT LESS THAN 15 MINUTES.

2 P1 PARTIAL SECOND FLOOR PLUMBING PLAN – TYPICAL UNIT

SCALE: 1/4" = 1'–0" LAYOUT AS SHOWN OR OPPOSITE HAND, SEE BUILDING PLANS FOR LAYOUTS FOR SPECIFIC UNIT NUMBERS

NORTH

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FACILITIES PLANNING DEPARTMENT
615 FITCH STREET, HAMDEN, CT. 06514 TEL. 203-392-6055

NORTH CAMPUS TOWNHOUSES
BATHROOM REPLACEMENT 2020

CONSULTANT:
SALAMONE & ASSOCIATES, P.C.
CONSULTING ENGINEERS
117 Bruce Park Avenue, Suite 2
Greenwich, CT 06830
Phone: (203) 661-2400 Fax: (203) 661-2598

CADD. NO. P1
PROJECT NO. SCSU-2020-03
DATE: APRIL, 28 2020
DRAWING TITLE: PARTIAL FIRST AND SECOND FLOOR PLUMBING PLANS

PLUMBING SYMBOL LIST

	BALL VALVE
	CAP
	PIPE ELBOW, TURNED UP
	PIPE ELBOW, TURNED DOWN
	DOMESTIC COLD WATER SUPPLY PIPING
	DOMESTIC HOT WATER SUPPLY PIPING
	SANITARY VENT PIPING
	PIPING TO BE PROVIDED
	CLEAN OUT

PLUMBING ABBREVIATIONS

C.O.	CLEANOUT
DCW	DOMESTIC COLD WATER SUPPLY
DHW	DOMESTIC HOT WATER SUPPLY
DN	DOWN
F.C.O.	FLOOR CLEANOUT
FD	FLOOR DRAIN
FS	FLOOR SINK
ID	INDIRECT WASTE
LAV	LAVATORY
NTS	NOT TO SCALE
SAN	SANITARY
SK	SINK
TYP	TYPICAL
VTR	SANITARY VENT THROUGH ROOF
WC	WATER CLOSET

WATER HEATER SCHEDULE

NO.	WH-1
LOCATION	MECH ROOM
SERVICE	DWH
TYPE	GAS FIRED, POWER VENTED
CAPACITY (GALLONS)	40
INPUT (BTU/HR)	40,000
UEF	0.67
ELECT. (V/PH/HZ)	208/1/60
MODEL	GPVL-40
MANUFACTURER	A.O. SMITH

NOTE:
1. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS.

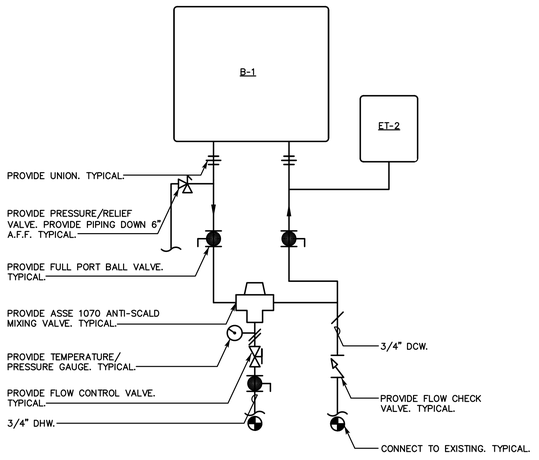
EXPANSION TANK SCHEDULE
ADD ALTERNATE #2

NO.	ET-2
LOCATION	MECH ROOM
SERVICE	DOMESTIC WATER
TYPE	BLADDER
CAPACITY (GALLONS)	2
ACCEPTANCE	0.9
MODEL	PT-5
MANUFACTURER	BELL AND GOSSETT

NOTE:
1. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS.

GENERAL NOTES

1. PROVIDE FIXTURE SHUT-OFF VALVES AND P-TRAPS FOR ALL FIXTURES PROVIDED. PROVIDE SANITARY, WASTE AND DOMESTIC WATER PIPING AS REQUIRED FOR ALL FIXTURES PROVIDED.
2. REFER TO AND CAREFULLY CHECK ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS AND DETAILS, NOTING LOCATIONS WHERE WALLS, PARTITIONS, CEILINGS AND OTHER SURFACES ARE FURRED, LOCATION OF PIPE SLEEVES, LOCATIONS OF PIPE SHAFTS AND CONFLICTS WITH WORK OF OTHER TRADES AND ARRANGE WORK ACCORDINGLY. FURNISH ALL OFFSETS, FITTINGS, VALVES, DRAINS, ETC. REQUIRED TO MEET SUCH CONDITIONS.
3. DUE TO SCALE OF DRAWINGS, ALL REQUIRED OFFSETS, FITTINGS, VALVES, DRAINS, ETC. MAY NOT BE INDICATED.
4. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE AND LOCAL GOVERNING CODES.
5. THE TERM "PROVIDE" SHALL MEAN "TO FURNISH, INSTALL AND CONNECT COMPLETELY."
6. ALL WORK SHALL BE DONE WITH LICENSED WORKMEN IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
7. CONTRACTOR SHALL MAKE ADEQUATE PROVISIONS FOR PIPE SLOPE AND ANCHORAGE.
8. BEFORE CUTTING OR DRILLING INTO BUILDING ELEMENTS, INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES.
9. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ACCEPTED:
   A. CT BUILDING CODE
   B. NFPA 13
   C. INTERNATIONAL PLUMBING CODE
   D. ASTM & ANSI STANDARDS.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR AND PAYMENT FOR ANY/ALL UTILITIES DAMAGED DURING CONSTRUCTION.
11. CONTRACTOR TO CONFIRM PIPE LOCATIONS, ELEVATIONS, AND SIZES BEFORE ANY WORK IS STARTED. IF ANY DISCREPANCIES ARE FOUND NOTIFY ENGINEER BEFORE PROCEEDING WITH WORK.
12. PROVIDE SEISMIC BRACING OF ALL PLUMBING PIPES PER THE CONNECTICUT BUILDING CODE.
13. FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS FOR INSTALLATION OF PROVIDED EQUIPMENT.
14. ALL PIPES THAT PENETRATE WALLS, FLOORS AND CEILINGS IN FINISHED AREAS SHALL RECEIVE CHROME PLATED METAL ESCUTCHEONS.
15. ALL SHOP DRAWINGS OF INDIVIDUAL COMPONENTS ARE TO BE SUBMITTED AS A COMPLETE PACKAGE.
16. ALL SHOP DRAWINGS OF RELATED COMPONENTS SHALL BE SUBMITTED AS A COMPLETE PACKAGE.
17. ALL WORK IN INTERIOR FINISHED SPACES IS TO BE CONCEALED BEHIND WALLS, ABOVE CEILINGS, OR UNDER THE FLOOR. PROVIDE ALL NECESSARY CUTTING, PATCHING, REPAINTING AND/OR REPLACEMENT OF FINISHES AS REQUIRED TO PERFORM WORK.
18. WRITTEN REQUESTS FOR PLANNED SHUTDOWN OR INTERRUPTION OF BUILDING SERVICES, SYSTEMS OR EQUIPMENT SHALL BE MADE IN WRITING 72 HOURS PRIOR TO START OF THE REQUESTED SHUTDOWN PERIOD.
19. SUPPORT PIPING ABOVE SUSPENDED CEILING, FROM CONSTRUCTION ABOVE, AS CLOSE AS POSSIBLE TO BOTTOM OF SLABS, BEAMS, MAINTAINING MAXIMUM HEADROOM AT ALL TIMES.
20. PROVIDE CLEANOUTS PER INTERNATIONAL PLUMBING CODE.



TYPICAL DOMESTIC WATER PIPING DETAIL
(ADD ALTERNATE #2)
SCALE: NTS

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CONSULTANT:
SALAMONE & ASSOCIATES, P.C.
CONSULTING ENGINEERS

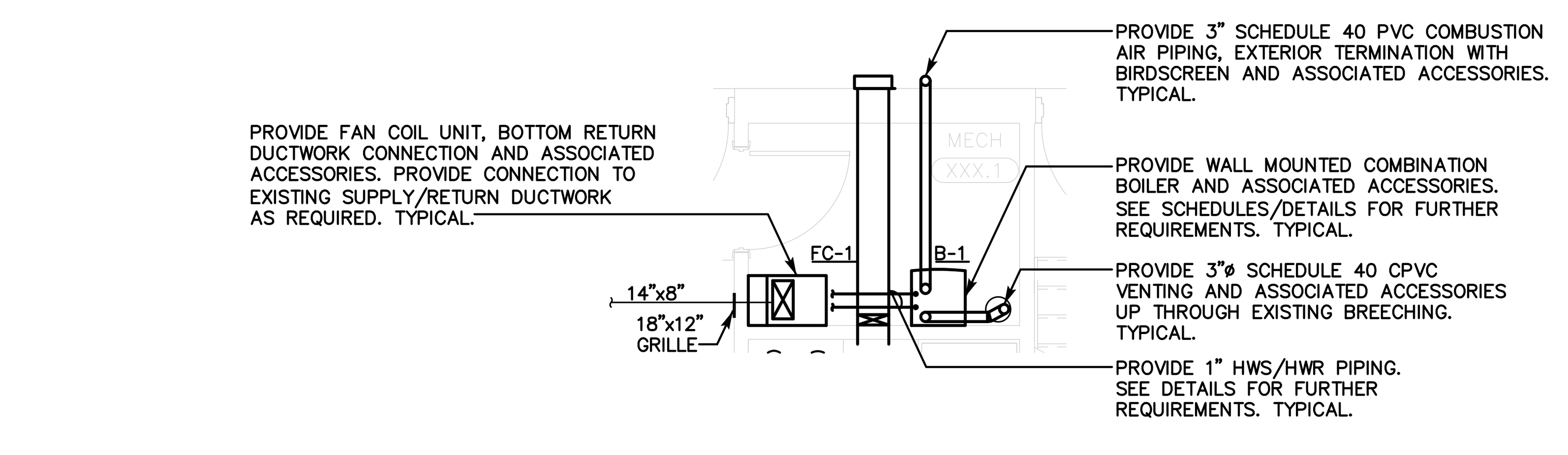
STATE OF CONNECTICUT — MICHAEL K. SALAMONE — No. 17059 — LICENSED PROFESSIONAL ENGINEER

STATE OF CONNECTICUT — SALAMONE & ASSOCIATES, PC — No 470 — CORPORATE PRACTICE OF ENGINEERING

NORTH CAMPUS TOWNHOUSES
BATHROOM REPLACEMENT 2020

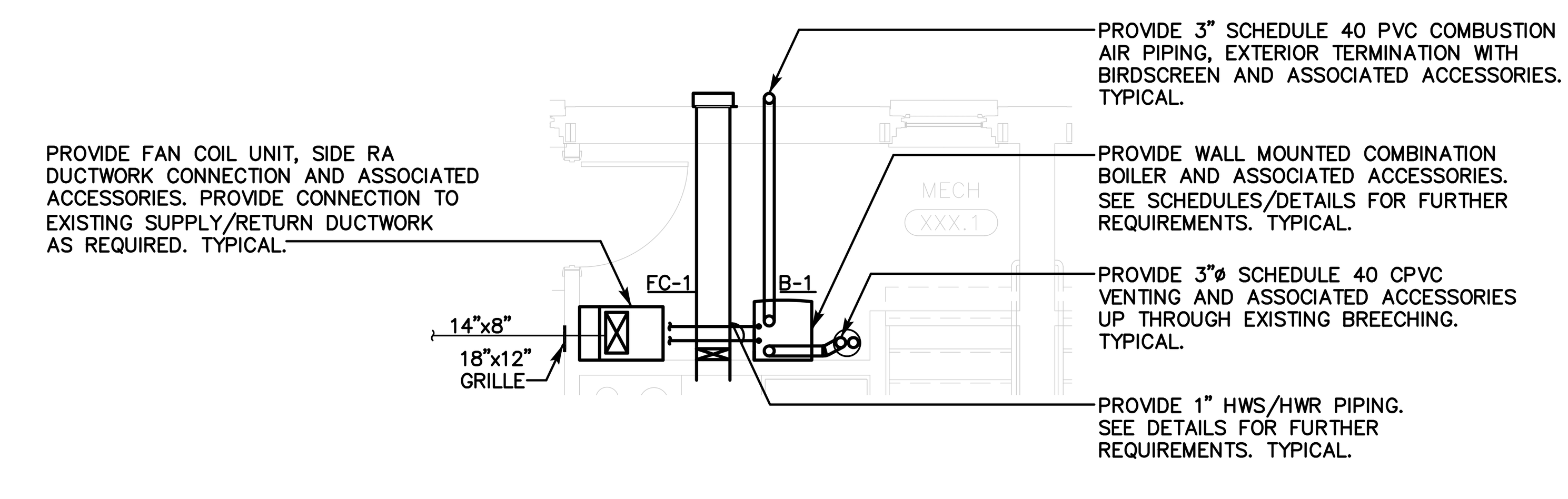
CADD. NO.
SHEET P2

PROJECT NO. SCSU-2020-03
DATE: APRIL, 28 2020
DRAWING TITLE: PLUMBING SCHEDULES, NOTES, SYMBOLS AND ABBREVIATIONS



3 / M1 — PARTIAL FIRST FLOOR MECHANICAL PLAN – TYPICAL UNIT ADD ALTERNATE #2 – COMBINATION BOILER SYSTEM

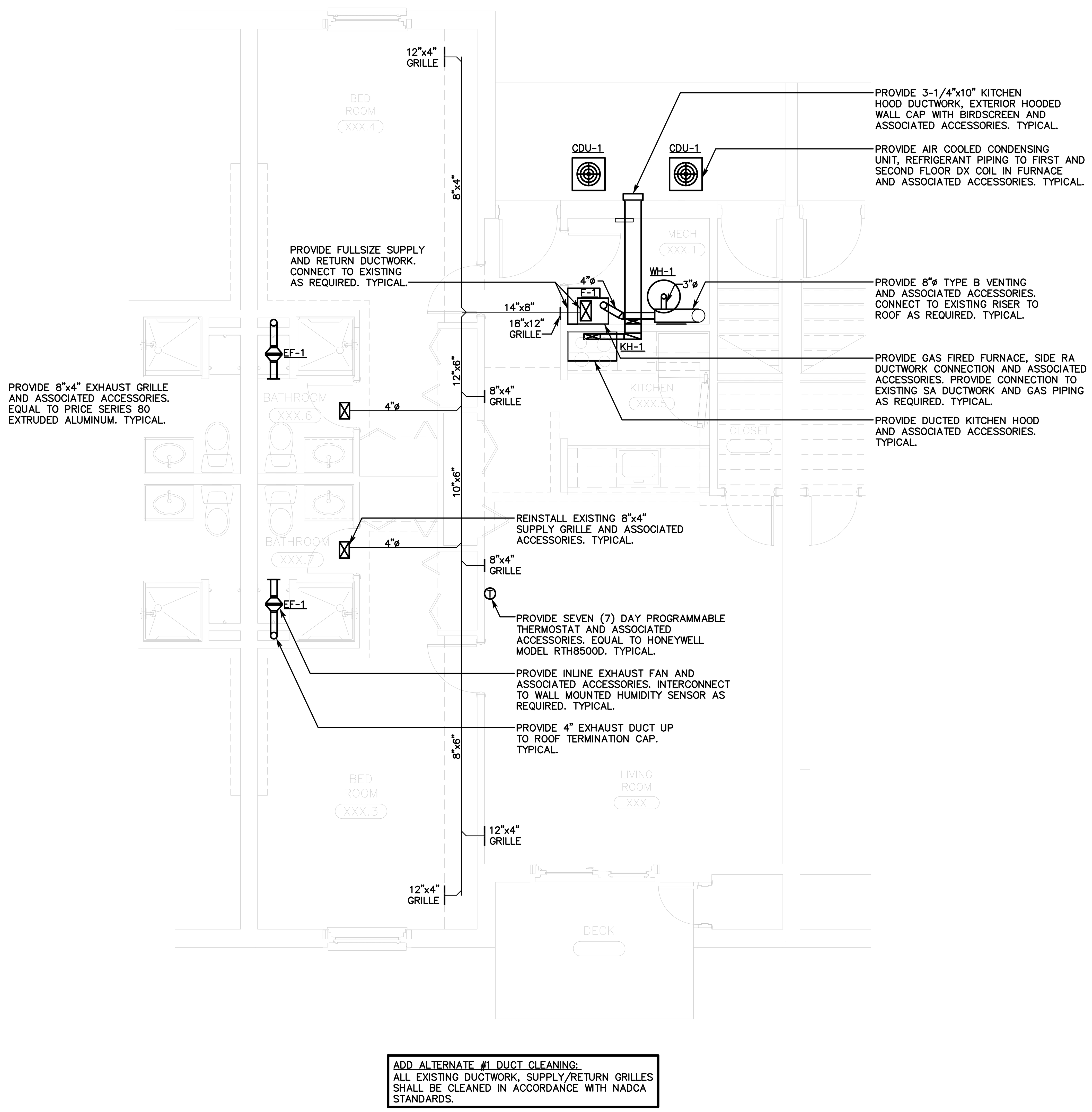
SCALE: 1/4" = 1'-0" LAYOUT AS SHOWN OR OPPOSITE HAND, SEE BUILDING PLANS FOR LAYOUTS FOR SPECIFIC UNIT NUMBERS



4 / M1 — PARTIAL SECOND FLOOR MECHANICAL PLAN – TYPICAL UNIT ADD ALTERNATE #2 – COMBINATION BOILER SYSTEM

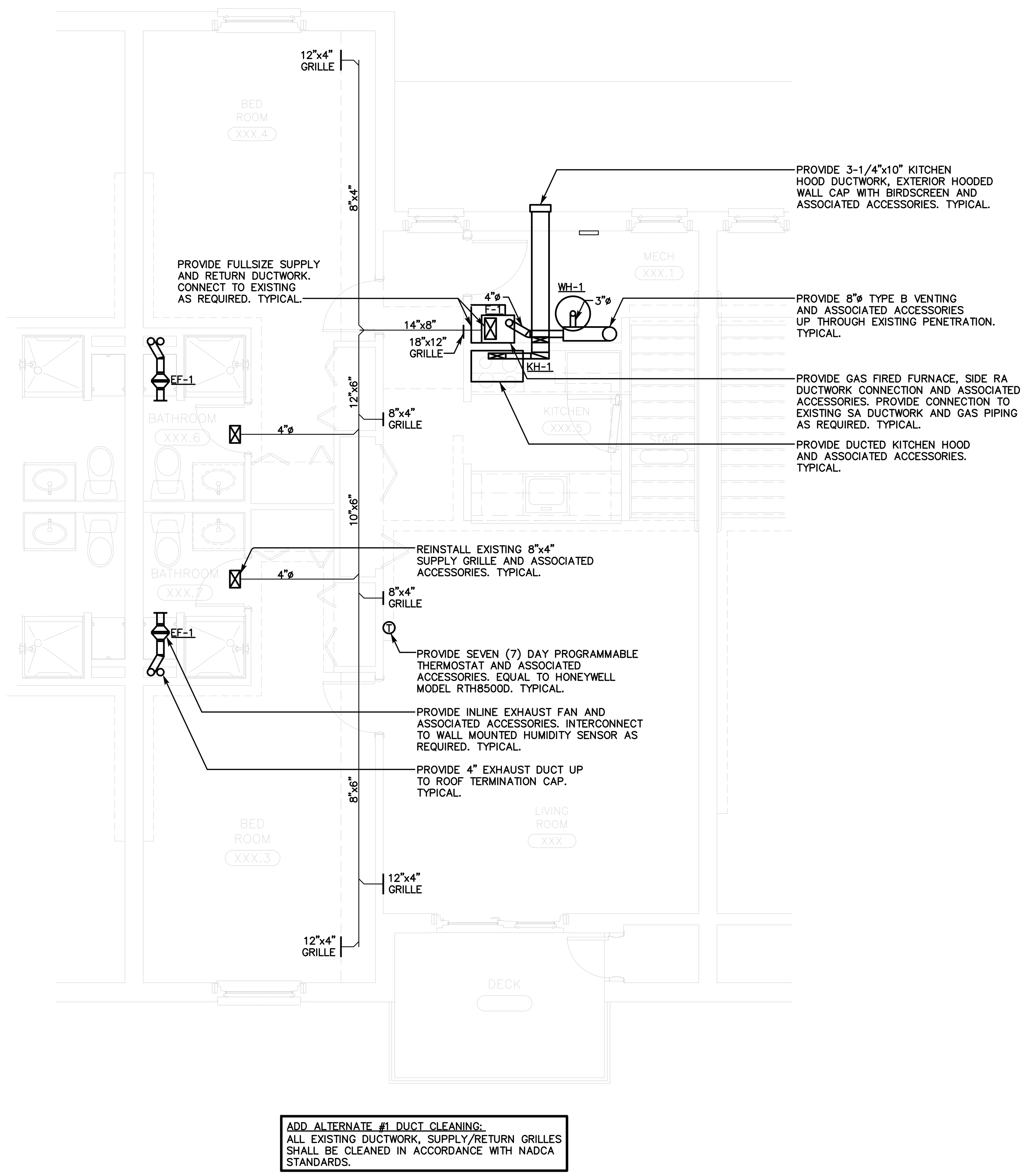
SCALE: 1/4" = 1'-0" LAYOUT AS SHOWN OR OPPOSITE HAND, SEE BUILDING PLANS FOR LAYOUTS FOR SPECIFIC UNIT NUMBERS

NORTH



1 / M1 — PARTIAL FIRST FLOOR MECHANICAL PLAN – TYPICAL UNIT

SCALE: 1/4" = 1'-0" LAYOUT AS SHOWN OR OPPOSITE HAND, SEE BUILDING PLANS FOR LAYOUTS FOR SPECIFIC UNIT NUMBERS



2 / M1 — PARTIAL SECOND FLOOR MECHANICAL PLAN – TYPICAL UNIT

SCALE: 1/4" = 1'-0" LAYOUT AS SHOWN OR OPPOSITE HAND, SEE BUILDING PLANS FOR LAYOUTS FOR SPECIFIC UNIT NUMBERS

SOUTHERN CONNECTICUT STATE UNIVERSITY
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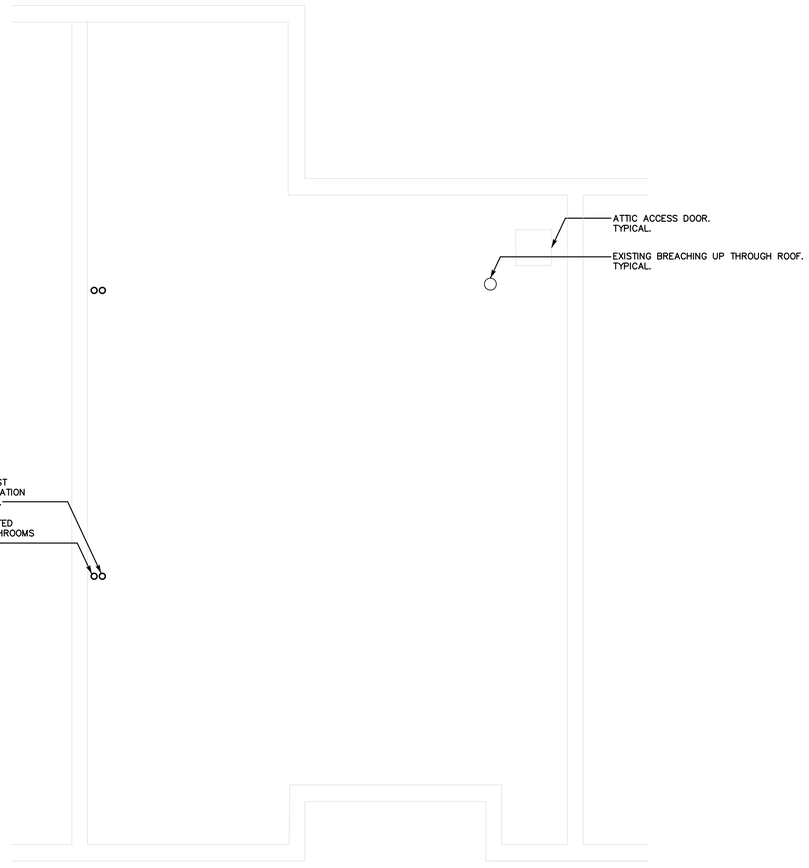
CONSULTANT: SALAMONE & ASSOCIATES, P.C. CONSULTING ENGINEERS

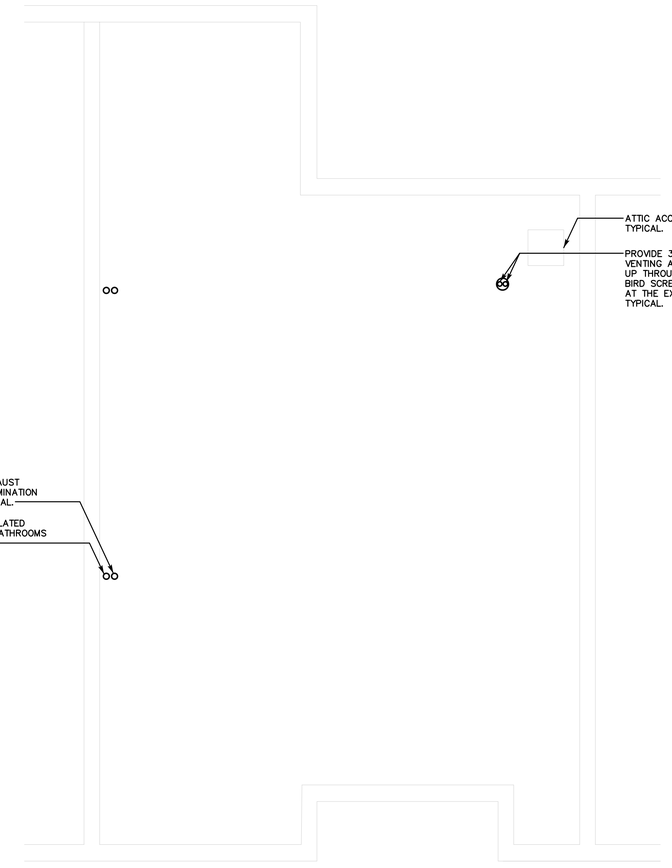
NORTH CAMPUS TOWNHOUSES BATHROOM REPLACEMENT 2020

PROJECT NO.	SCSU-2020-03
DATE:	APRIL, 28 2020
DRAWING TITLE:	PARTIAL FIRST AND SECOND FLOOR MECHANICAL PLANS
CADD. NO.	
SHEET	M1



1 / M2 PARTIAL ATTIC MECHANICAL PLAN – TYPICAL UNIT

SCALE: 1/4" = 1'–0" LAYOUT AS SHOWN OR OPPOSITE HAND, SEE BUILDING PLANS FOR LAYOUTS FOR SPECIFIC UNIT NUMBERS



2 / M2 PARTIAL ATTIC MECHANICAL PLAN – TYPICAL UNIT ADD ALTERNATE #2 – COMBINATION BOILER SYSTEM

SCALE: 1/4" = 1'–0" LAYOUT AS SHOWN OR OPPOSITE HAND, SEE BUILDING PLANS FOR LAYOUTS FOR SPECIFIC UNIT NUMBERS

NORTH

SOUTHERN CONNECTICUT STATE UNIVERSITY
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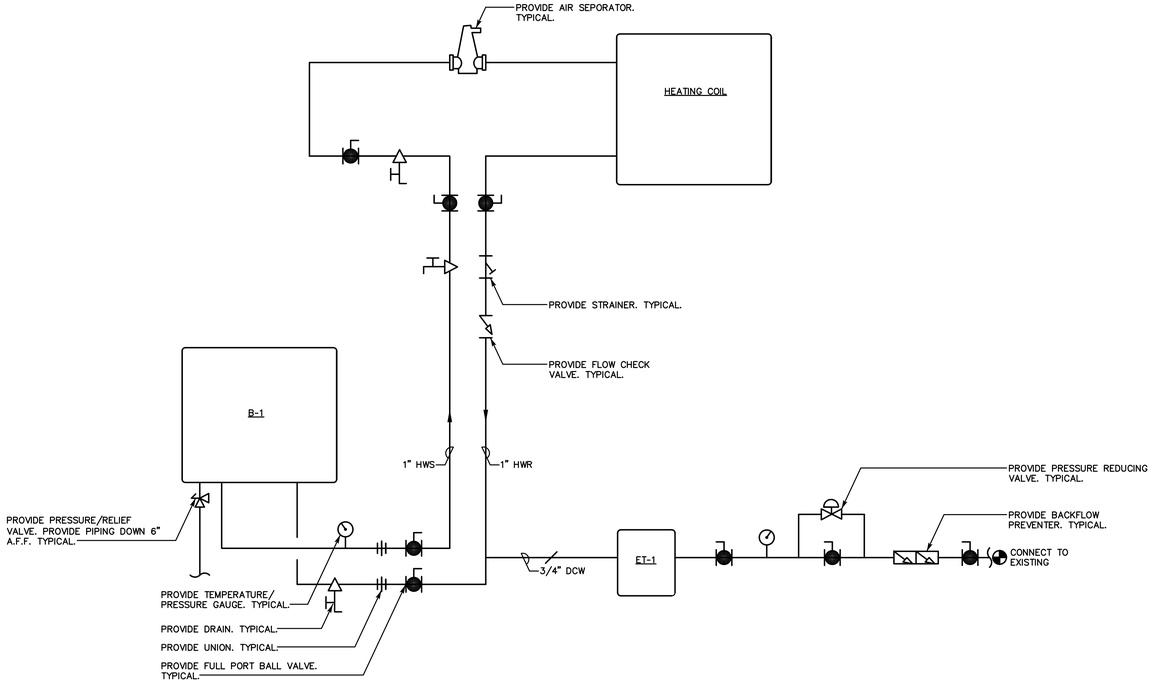
NORTH CAMPUS TOWNHOUSES
BATHROOM REPLACEMENT 2020

PROJECT NO. SCSU-2020-03
DATE: APRIL, 28 2020
DRAWING TITLE: PARTIAL ATTIC MECHANICAL PLANS

CADD. NO.
SHEET M2



TYPICAL HOT WATER PIPING DETAIL (ADD ALTERNATE #2)

SCALE: NTS

COMBINATION BOILER SCHEDULE ADD ALTERNATE #2

BOILER NO.	B-1
LOCATION	MECH ROOM
TYPE	GAS-FIRED, CONDENSING COMBINATION
HEATING INPUT (BTU/HR)	150,000
HEATING OUTPUT (BTU/HR)	139,000
AFUE	95%
BUILT IN CIRCULATOR PUMP	YES
ELECT. CHARAC. (V/PH/HZ)	115/1/60
DESIGN BASED MODEL	NKB150N
DESIGN BASED MANUFACTURER	LOCHINVAR

NOTE:
1. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND ALL APPLICABLE CODES.
2. PROVIDE LOW WATER CUT OFF, CONDENSATE NEUTRALIZER KIT AND OUTDOOR AIR SENSOR.
3. PROVIDE CONNECTION TO PROPOSED THERMOSTAT AS REQUIRED. TYPICAL.

EXPANSION TANK SCHEDULE ADD ALTERNATE #2

TANK NO.	ET-1
LOCATION	MECH ROOM
TYPE	BLADDER
CAPACITY (GALLONS)	2.0
ACCEPTANCE	1.0
MODEL	HFT-15
MANUFACTURER	BELL AND GOSSETT

NOTE:
1. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND ALL APPLICABLE CODES.

FAN COIL UNIT SCHEDULE ADD ALTERNATE #2

FURNACE NO.	FC-1
LOCATION	MECH ROOM
TYPE	HOT WATER/DX COIL
AIR FLOW (CFM)	590
HEATING INPUT (BTU/HR)	60,000
HEATING OUTPUT (BTU/HR)	48,000
GPM	6.0
COOLING CAPACITY (BTU/HR)	17,900
COOLING EDB (F°)	80.00
COOLING EWB (F°)	67.00
COOLING LDB (F°)	59.90
COOLING LWB (F°)	57.20
ELECT. CHARAC. (V/PH/HZ)	115/1/60
DESIGN BASED MODEL	GAM5BOA24M21
DESIGN BASED MANUFACTURER	TRANE

NOTES:
1. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND ALL APPLICABLE CODES.
2. PROVIDE DX COOLING COIL MODEL 4PXABU24BS3 AND ASSOCIATED ACCESSORIES.
3. PROVIDE FIELD INSTALLED PLENUM STAND UNDERNEATH THE FAN COIL UNIT FOR RETURN DUCT CONNECTION. TYPICAL.
4. PROVIDE CONNECTION TO PROPOSED THERMOSTAT AS REQUIRED. TYPICAL.

FURNACE SCHEDULE

FURNACE NO.	F-1
LOCATION	MECH ROOM
TYPE	GAS-FIRED
AIR FLOW (CFM)	590
HEATING INPUT (BTU/HR)	60,000
HEATING OUTPUT (BTU/HR)	48,000
AFUE	80%
COOLING CAPACITY (BTU/HR)	17,900
COOLING EDB (F°)	80.00
COOLING EWB (F°)	67.00
COOLING LDB (F°)	59.90
COOLING LWB (F°)	57.20
ELECT. CHARAC. (V/PH/HZ)	115/1/60
DESIGN BASED MODEL	TUD2B060
DESIGN BASED MANUFACTURER	TRANE

NOTES:
1. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND ALL APPLICABLE CODES.
2. PROVIDE DX COOLING COIL MODEL 4PXABU24BS3 AND ASSOCIATED ACCESSORIES.
3. PROVIDE CONNECTION TO PROPOSED THERMOSTAT AS REQUIRED. TYPICAL.

CONDENSING UNIT SCHEDULE

UNIT NO.	CDU-1
SERVICE	F-1 DX COOLING COIL
COOLING TOTAL BTU/HR	18,300
REFRIGERANT	R410A
ELECT. CHAR. (V/PH/HZ)	208-230/1/60
DESIGN BASED MODEL	4TTR4018
DESIGN BASED MANUFACTURER	TRANE

NOTES
1. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND ALL APPLICABLE CODES.
2. PROVIDE CONNECTION TO PROPOSED THERMOSTAT AS REQUIRED. TYPICAL.

EXHAUST FAN SCHEDULE

EXHAUST FAN NO.	EF-1
SERVICE	BATHROOM
LOCATION	INLINE
AIR FLOW (CFM)	110
EXT. STATIC PRESS. (IWG)	0.20
MOTOR (WATTS)	46.0
ELECT. CHARAC. (V/PH/HZ)	115/1/60
DESIGN BASED MODEL	ILF120
DESIGN BASED MANUFACTURER	NUTONE

NOTES:
1. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND ALL APPLICABLE CODES.
2. PROVIDE WALL MOUNTED HUMIDITY SENSOR EQUAL TO NUTONE MODEL 82W. INTERCONNECT TO EF-1 AS REQUIRED. TYPICAL.

KITCHEN HOOD SCHEDULE

HOOD NO.	KH-1
SERVICE	BATHROOM
LOCATION	OVER RANGE
AIR FLOW (CFM)	160 (TWO SPEED)
MOTOR (AMPS)	2.0
ELECT. CHARAC. (V/PH/HZ)	115/1/60
DESIGN BASED MODEL	403001
DESIGN BASED MANUFACTURER	BROAN

NOTE:
1. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND ALL APPLICABLE CODES.

ABBREVIATIONS

AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AMP	AMPERE
BAS	BUILDING AUTOMATION SYSTEM
BDD	BACK DRAFT DAMPER
BHP	BRAKE HORSE POWER
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT/HOUR
CENTRIF	CENTRIFUGAL
CFM	CUBIC FEET PER MINUTE
COND	CONDENSATE
ESP	EXTERNAL STATIC PRESSURE
FD	FIRE DAMPER
FFF	FROM FINISHED FLOOR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FEET
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HT	HEIGHT
ID	INSIDE DIAMETER
IN	INCHES
L	LENGTH
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	THOUSAND BTU/HOUR
MIN	MINIMUM
NTS	NOT TO SCALE
OBD	OPPOSED BLADE DAMPER
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
PSIG	POUNDS PER SQUARE INCH GAUGE
RPM	REVOLUTIONS PER MINUTE
SENS	SENSOR
S	SMOKE DETECTOR
SP	STATIC PRESSURE
TEMP	TEMPERATURE
TONS	TONS OF REFRIGERATION

GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC. THEY INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. DRAWINGS ARE NOT TO BE SCALED. ORIGINAL ARCHITECTURAL DRAWINGS AND DETAILS SHALL BE EXAMINED FOR EXACT LOCATION OF FIXTURES AND EQUIPMENT. WHERE THEY ARE NOT DEFINITELY LOCATED, THE INFORMATION SHALL BE OBTAINED FROM THE OWNER OR AUTHORIZED REPRESENTATIVE.
2. UNLESS OTHERWISE INDICATED, PROVIDE COMPLETE AND OPERATIONAL MECHANICAL SYSTEMS INCLUDING ALL NECESSARY MATERIAL, LABOR, AND EQUIPMENT.
3. UNLESS OTHERWISE INDICATED, PROVIDE CONTROL WIRING FOR ALL MECHANICAL SYSTEM EQUIPMENT. INSTALL PER N.E.C.
4. ALL EQUIPMENT AND MATERIAL SHALL BE LABELED AND LISTED AND INSTALLED IN ACCORDANCE WITH THEIR LISTING.
5. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
6. ALL WORK SHALL BE DONE WITH LICENSED WORKMEN IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
7. THE TERM "INDICATED" SHALL MEAN "AS SHOWN ON CONTRACT DOCUMENTS (SPECIFICATIONS, DRAWINGS, AND RELATED ATTACHMENTS)."
8. THE TERM "PROVIDE" SHALL MEAN "TO FURNISH, INSTALL, AND CONNECT COMPLETELY."
9. SUBMIT FOR REVIEW, DETAILED SHOP DRAWINGS OF ALL EQUIPMENT AND MATERIAL REQUIRED TO COMPLETE THE WORK. NO MATERIAL OR EQUIPMENT MAY BE DELIVERED TO THE JOBSITE OR INSTALLED UNTIL ACCEPTED SHOP DRAWINGS FOR THE PARTICULAR MATERIAL OR EQUIPMENT HAS BEEN APPROVED BY THE OWNER OR HIS AUTHORIZED REPRESENTATIVE. WHERE THE CONTRACTOR PROPOSES TO USE AN ITEM OF EQUIPMENT OTHER THAN THAT SPECIFIED OR DETAILED ON THE DRAWINGS, WHICH REQUIRES ANY REDESIGN OF THE STRUCTURE, PARTITIONS, FOUNDATIONS, PIPING, WIRING, OR ANY OTHER PART OF THE MECHANICAL, ELECTRICAL, OR ARCHITECTURAL LAYOUT, ALL SUCH REDESIGN AND ALL NEW DRAWINGS, AND DETAILING REQUIRED, THEREFORE, SHALL BE PREPARED AT THE CONTRACTOR'S EXPENSE AND IS SUBJECT TO THE REVIEW AND APPROVAL OF THE OWNER OR HIS AUTHORIZED REPRESENTATIVE. OWNER RESERVES THE RIGHT TO HAVE THE ARCHITECT OR ENGINEER OF HIS CHOICE PREPARE ANY REDESIGN WORK.
10. MECHANICAL PLANS AND DETAILS DO NOT SHOW ALL INTERFERENCES AND CONDITIONS, VISIBLE AND/OR HIDDEN, THAT MAY EXIST; THUS, REQUIRING THE CONTRACTOR TO INSPECT AND SURVEY THE SPACE BEFORE PERFORMING THE WORK.
11. CONTRACTOR SHALL COORDINATE ELECTRICAL REQUIREMENTS OF MECHANICAL EQUIPMENT WITH DIVISION 16.
12. TURN OVER TO THE OWNER ALL MANUFACTURER'S WARRANTIES FOR EQUIPMENT AND MATERIALS PROVIDED.
13. THE CONTRACTOR MAY SUBSTITUTE EQUIPMENT OF ANOTHER MANUFACTURER IF IT IS OF EQUAL QUALITY AND RATING, SUBJECT TO OWNER'S AND ENGINEER'S REVIEW AND ACCEPTANCE. WHERE CONTRACTOR SUBSTITUTES EQUIPMENT REQUIRING A DIFFERENT SYSTEM CONFIGURATION, HE SHALL BE RESPONSIBLE FOR PROVIDING INSTALLATION SHOP DRAWINGS AND ALL RELATED ACCESSORY EQUIPMENT FOR A COMPLETE SYSTEM INSTALLATION.
14. BEFORE SELECTING MATERIAL AND EQUIPMENT AND PROCEEDING WITH WORK, INSPECT AREAS WHERE MATERIAL AND EQUIPMENT ARE TO BE INSTALLED TO INSURE SUITABILITY, AND CHECK NEEDED SPACE FOR PLACEMENT AND CLEARANCES.
15. BEFORE CUTTING OR DRILLING INTO BUILDING ELEMENTS, INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES.
16. ALL WORK SHALL BE DONE IN ACCORDANCE WITH (THE LATEST ACCEPTED):
    A. CONNECTICUT BUILDING CODE AND SUPPLEMENTS
    B. INTERNATIONAL PLUMBING CODE
    C. INTERNATIONAL MECHANICAL CODE
    D. INTERNATIONAL ENERGY CONSERVATION CODE
    E. ANSI STANDARDS
17. LOCATE ALL EQUIPMENT WHICH REQUIRES SERVICING IN FULLY ACCESSIBLE POSITIONS. IF REQUIRED FOR BETTER ACCESSIBILITY, FURNISH ACCESS DOORS FOR THE PURPOSE. MINOR DEVIATIONS FROM DRAWINGS MAYBE MADE TO ALLOW FOR BETTER ACCESSIBILITY. ANY CHANGE SHALL BE SUBMITTED TO THE OWNER OR HIS AUTHORIZED REPRESENTATIVE FOR REVIEW.
18. ASCERTAIN FROM EXAMINATION OF THE DRAWINGS, ANY SPECIAL TEMPORARY OPENINGS IN THE BUILDING REQUIRED FOR THE ADMISSION OF APPARATUS PROVIDED UNDER THIS DIVISION. NOTIFY THE OWNER ACCORDINGLY. IN THE EVENT OF FAILURE TO GIVE SUFFICIENT NOTICE TO THE CONTRACTOR IN TIME TO ARRANGE FOR OPENINGS DURING CONSTRUCTION, ASSUME ALL COSTS OF PROVIDING SUCH OPENINGS THEREAFTER. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASSEMBLY AND DISASSEMBLY OF EQUIPMENT AS REQUIRED TO PLACE EQUIPMENT IN ITS FINAL LOCATION.
19. UNLESS OTHERWISE INDICATED, PROVIDE 14 GAUGE GALVANIZED PIPE SLEEVES TWO (2) SIZES LARGER THAN THE PIPE OR INSULATION WHERE SUCH ASSEMBLIES PENETRATE WALLS, PARTITIONS, FLOORS, OR STRUCTURAL MEMBERS.
20. ALL VOIDS BETWEEN PIPE SLEEVES AND PIPES SHALL BE FILLED WITH A FIRE TESTED AND APPROVED ELASTOMERIC CAULKING MATERIAL.
21. UNLESS OTHERWISE INDICATED, SUPPORT PIPES WITH HANGER SPACING IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE.
22. CONTRACTOR SHALL MAKE ADEQUATE PROVISIONS FOR PIPE EXPANSION, CONTRACTION, SLOPE, AND ANCHORAGE.
23. ALL DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS.
24. PROVIDE PIPE/DUCT INSULATION PER THE CURRENT IECC REQUIREMENTS.
25. PROVIDE EQUIPMENT/PIPING/DUCTWORK LABELING. COMPLY WITH ANSI A13.1 FOR LETTERING SIZE, LENGTH OF COLOR FIELD, COLORS, AND VIEWING ANGLES OF DEVICES.
26. GALVANIZED SHEET STEEL: LOCK-FORMING QUALITY, ASTM A 527, COATING DESIGNATION G 90. PROVIDE MILL PHOSPHATIZED FINISH FOR EXPOSED SURFACES OF DUCTS EXPOSED TO VIEW.

NORTH

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STATE OF CONNECTICUT — SALAMONE & ASSOCIATES, P.C. — No. 476 — CORPORATE PRACTICE OF ENGINEERING

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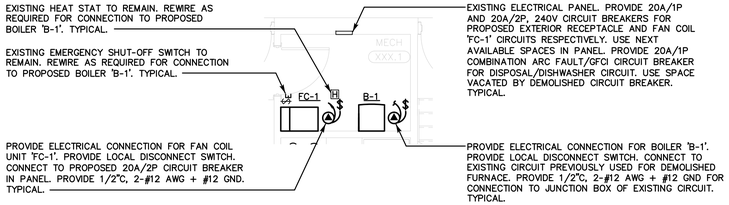
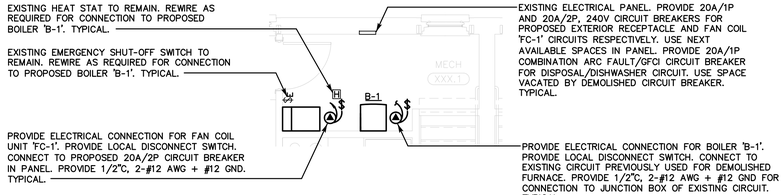
NORTH CAMPUS TOWNHOUSES
BATHROOM REPLACEMENT 2020

CADD. NO.
PROJECT NO. SCSU-2020-03
DATE: APRIL, 28 2020
DRAWING TITLE: MECHANICAL SCHEDULES, NOTES, DETAILS AND ABBREVIATIONS
SHEET M3



3/E1 PARTIAL FIRST FLOOR ELECTRICAL PLAN – TYPICAL UNIT ADD ALTERNATE #2 – COMBINATION BOILER SYSTEM

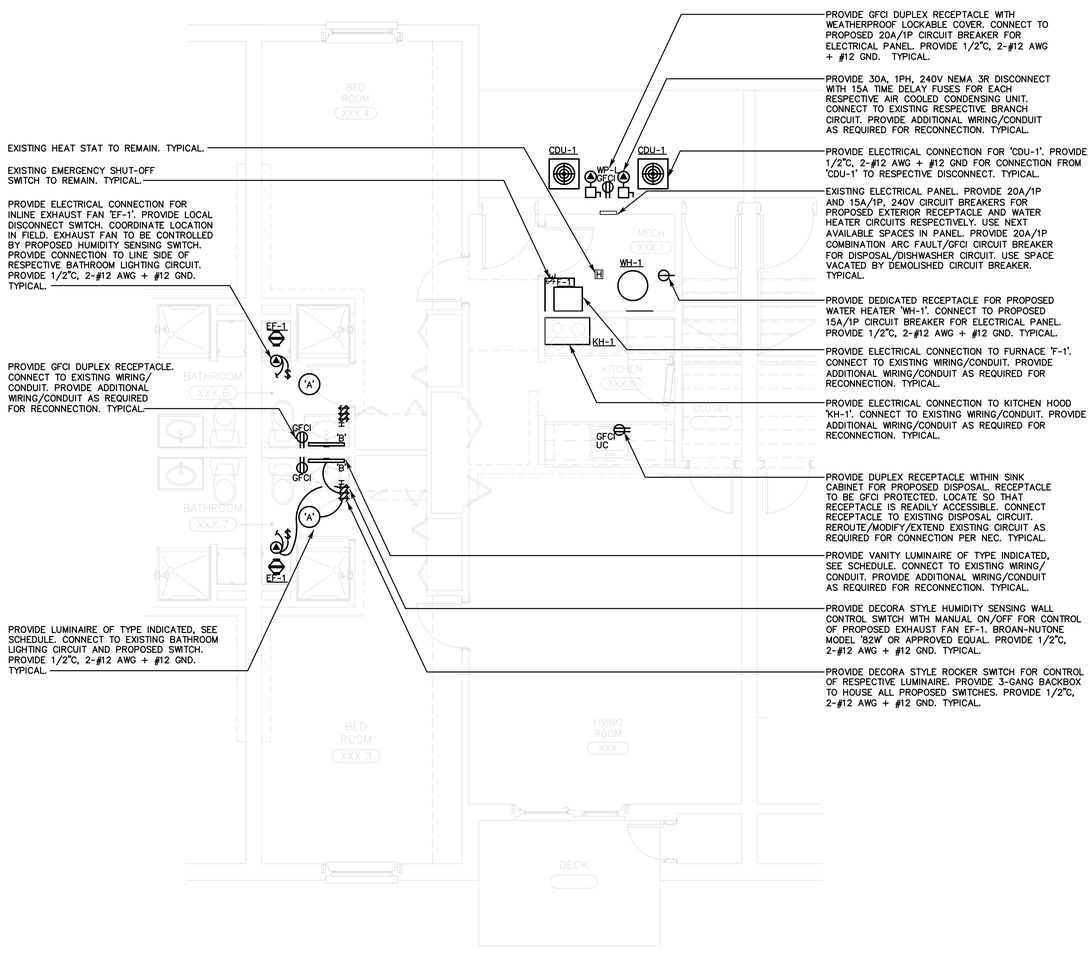
SCALE: 1/4" = 1'–0" LAYOUT AS SHOWN OR OPPOSITE HAND, SEE BUILDING PLANS FOR LAYOUTS FOR SPECIFIC UNIT NUMBERS



4/E1 PARTIAL SECOND FLOOR ELECTRICAL PLAN – TYPICAL UNIT ADD ALTERNATE #2 – COMBINATION BOILER SYSTEM

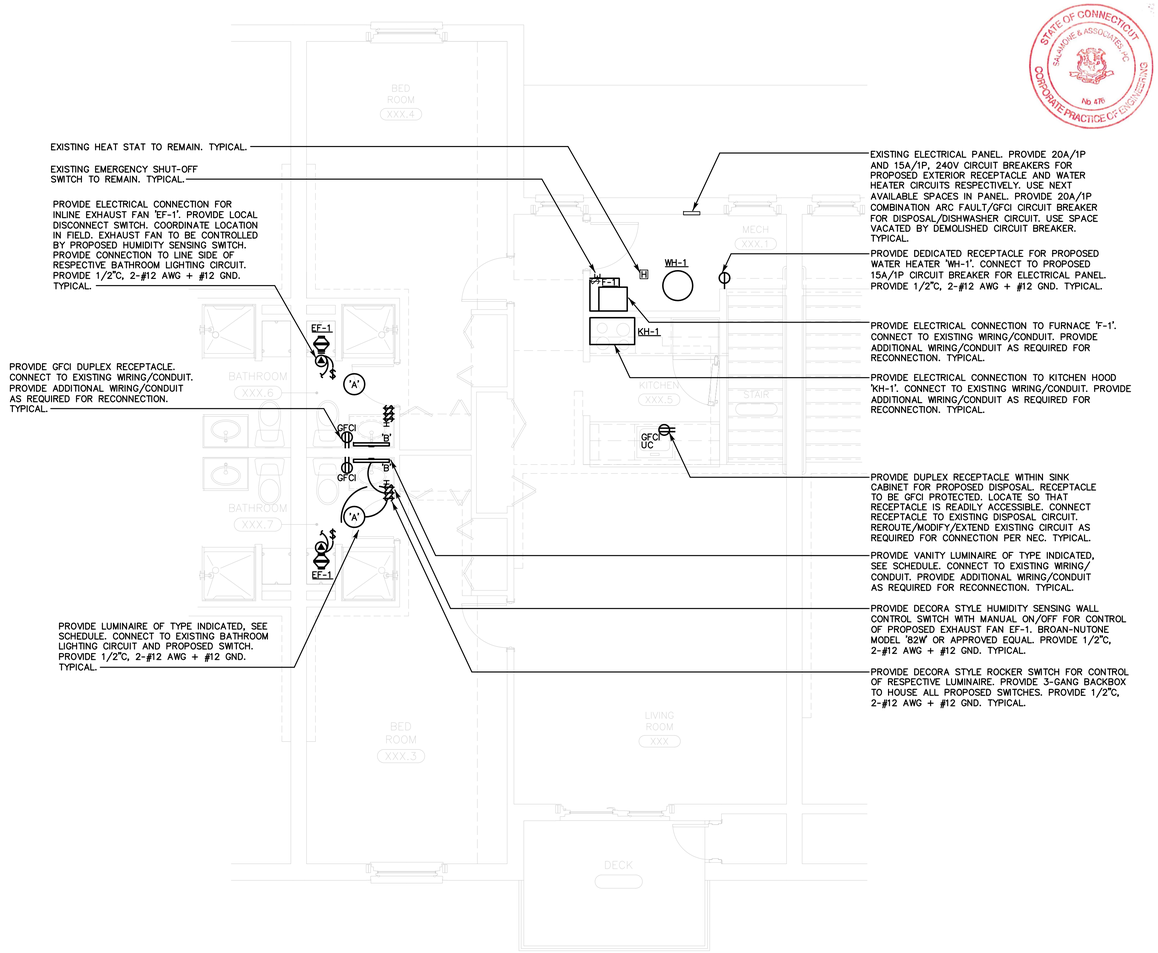
SCALE: 1/4" = 1'–0" LAYOUT AS SHOWN OR OPPOSITE HAND, SEE BUILDING PLANS FOR LAYOUTS FOR SPECIFIC UNIT NUMBERS

NORTH



1/E1 PARTIAL FIRST FLOOR ELECTRICAL PLAN – TYPICAL UNIT

SCALE: 1/4" = 1'–0" LAYOUT AS SHOWN OR OPPOSITE HAND, SEE BUILDING PLANS FOR LAYOUTS FOR SPECIFIC UNIT NUMBERS



2/E1 PARTIAL SECOND FLOOR ELECTRICAL PLAN – TYPICAL UNIT

SCALE: 1/4" = 1'–0" LAYOUT AS SHOWN OR OPPOSITE HAND, SEE BUILDING PLANS FOR LAYOUTS FOR SPECIFIC UNIT NUMBERS

STATE OF CONNECTICUT — WILLIAM J. SALAMONE — No. 17039 — LICENSED PROFESSIONAL ENGINEER

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NORTH CAMPUS TOWNHOUSES
BATHROOM REPLACEMENT 2020

CADD. NO.
PROJECT NO. SCSU–2020–03
DATE: APRIL, 28 2020
SHEET E1
DRAWING TITLE: PARTIAL FIRST AND SECOND FLOOR ELECTRICAL PLANS

LUMINAIRE SCHEDULE

LTG. CODE	DESCRIPTIONS	VOLTS	CATALOG NO./ MANUFACTURER	MOUNTING	LAMPING
A	14"W X 2.5"H SURFACE MOUNTED, HIGH EFFICIENCY LED LUMINAIRE. NOMINAL 1100 LUMEN OUTPUT, 3000K COLOR TEMP, 80CRI. HIGH TRANSMISSION WHITE ACRYLIC DIFFUSER. COLD ROLLED STEEL HOUSING. SATIN FINISH. 5 YEAR WARRANTY. UL LISTED DAMP LOCATIONS.	120	DC336D-3000K-62 SUNPARK	SURFACE/ CEILING	LED
B	24" HIGH EFFICIENCY LED VANITY LUMINAIRE. NOMINAL 2110 LUMEN OUTPUT, 3000K COLOR TEMP, 80CRI. HIGH TRANSMISSION WHITE ACRYLIC DIFFUSER. COLD ROLLED STEEL HOUSING. SATIN FINISH. 5 YEAR WARRANTY. UL LISTED DAMP LOCATIONS.	120	FL5539D-3000K-B-62 SUNPARK	WALL/ VANITY	LED

ELECTRICAL SYMBOL LIST

	DUPLEX RECEPTACLE GFCI - GROUND FAULT CIRCUIT INTERRUPTER IG - ISOLATED GROUND WP - WEATHERPROOF L - LOCKABLE COVER
S	SWITCH (NONE) - SINGLE POLE 2 - TWO POLE 3 - THREE WAY 4 - FOUR WAY D - DIMMER TOL - THERMAL OVERLOAD PROTECTION DEVICE VS - VACANCY SENSOR
	SPECIAL PURPOSE CONNECTION
	DISCONNECT SWITCH
1LP1 2	BRANCH CIRCUIT HOMERUN (ARROWS INDICATE CIRCUIT NUMBERS)

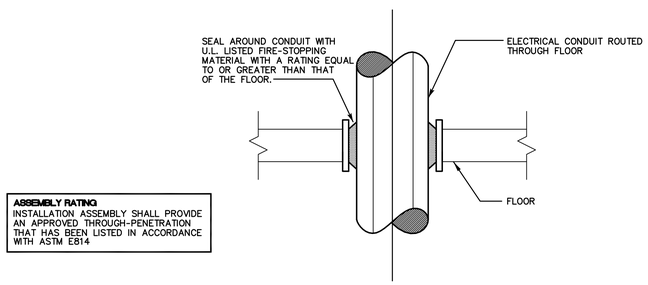
ELECTRICAL ABBREVIATIONS

A	AMPERES
A.F.F.	ABOVE FINISHED FLOOR
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CIR	CIRCUIT
G	GROUNDED
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASS.
P	POLE
UL	UNDERWRITER'S LABORATORY
V	VOLTS
VA	VOLT-AMPERES
W	WATTS
#	WIRE SIZE IN AWG, OR MCM WHEN INDICATED

ELECTRICAL GENERAL NOTES

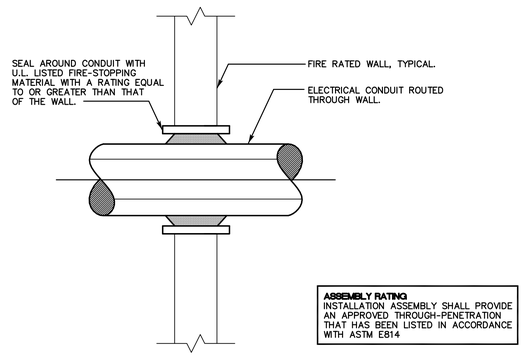
1. PROVIDE A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM INCLUDING ALL NECESSARY MATERIAL, LABOR AND EQUIPMENT.
2. ELECTRICAL PLANS AND DETAILS AND ONE LINE DIAGRAMS SHOW THE GENERAL LOCATION AND ARRANGEMENT OF THE ELECTRICAL SYSTEM. THEY ARE DIAGRAMMATIC AND DO NOT SHOW ALL CONDUIT BODIES, CONNECTORS, BENDS, FITTINGS, HANGERS AND ADDITIONAL PULL AND JUNCTION BOXES
3. ALL EQUIPMENT AND MATERIAL SHALL BE LABELED, LISTED AND INSTALLED IN ACCORDANCE WITH THEIR LISTING.
4. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
5. ALL WORK SHALL BE DONE WITH LICENSED WORKMEN IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
6. THE DEFINITION OF ELECTRICAL TERMS USED SHALL BE AS DEFINED IN THE 2017 CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE (NEC).
7. THE TERM "INDICATED" SHALL MEAN "AS SHOWN ON CONTRACT DOCUMENTS (SPECIFICATIONS, DRAWINGS AND RELATED ATTACHMENTS)".
8. THE TERM "PROVIDE" SHALL MEAN "TO FURNISH, INSTALL AND CONNECT COMPLETELY".
9. THE TERM "SIZE" SHALL MEAN ONE OR MORE OF THE FOLLOWING: "LENGTH, CURRENT AND VOLTAGE RATING, NUMBER OF POLES, NEMA SIZE AND OTHER SIMILAR ELECTRICAL CHARACTERISTICS".
10. THE TERM "SPACE" ON PANELBOARD AND SWITCHBOARD SCHEDULES SHALL MEAN "PROVIDE SPACE TO INSTALL THE NUMBER OF POLES AND SIZE OF THE PROTECTIVE DEVICE INDICATED WITH ALL NECESSARY BUS AND FITTINGS TO INSTALL THE DEVICE AT SOME FUTURE DATE".
11. ELECTRICAL PLANS AND DETAILS DO NOT SHOW ALL INTERFERENCES AND CONDITIONS, VISIBLE AND/OR HIDDEN, THAT MAY EXIST; THUS REQUIRING THE CONTRACTOR TO INSPECT AND SURVEY THE SPACE BEFORE PERFORMING THE WORK.
12. COORDINATE ELECTRICAL WORK WITH OWNER.
13. COORDINATE ELECTRICAL WORK WITH OTHER DIVISIONS OF THIS PROJECT.
14. TURN OVER TO THE OWNER ALL MANUFACTURERS WARRANTIES FOR EQUIPMENT AND MATERIAL PROVIDED.
15. UNLESS OTHERWISE INDICATED, ALL ELECTRICAL EQUIPMENT HAS BEEN BASED ON GENERAL ELECTRIC PRODUCTS.
16. THE CONTRACTOR MAY SUBSTITUTE EQUIPMENT OF ANOTHER MANUFACTURER IF IT IS OF EQUAL QUALITY AND RATING, SUBJECT TO OWNER'S AND ENGINEER'S REVIEW AND ACCEPTANCE.
17. UNLESS OTHERWISE INDICATED, ALL ENCLOSURES FOR EQUIPMENT PROVIDED SHALL BE NEMA TYPE 1.
18. UNLESS OTHERWISE INDICATED, ALL CONDUCTORS TO BE COPPER THHN/THWN-2.
19. UNLESS OTHERWISE INDICATED, ALL OUTLET AND SWITCH BOXES TO BE CAST IRON WITH THREADED HUBS.
20. IN INTERIOR PROTECTED LOCATIONS, OUTLET AND SWITCH BOXES MAY BE STEEL.
21. UNLESS OTHERWISE INDICATED, PROVIDE HEAVY-DUTY GRADE, 20 AMPERE DECORA STYLE RECEPTACLES AND SWITCHES AND ASSOCIATED WALL PLATES. DEVICE AND WALL PLATES COLOR SHALL BE WHITE. PLATES FOR SURFACE MOUNTED INTERIOR BOXES IN UNFINISHED AREAS SHALL BE STAMPED STEEL. PLATES EXPOSED TO WEATHER OR WATER TO BE GASKETED, WEATHERPROOF TYPE.
22. BEFORE SELECTING MATERIAL AND EQUIPMENT, AND PROCEEDING WITH WORK, INSPECT AREAS WHERE MATERIAL AND EQUIPMENT ARE TO BE INSTALLED TO INSURE SUITABILITY, AND CHECK NEEDED SPACE FOR PLACEMENT, CLEARANCES AND INTERCONNECTIONS.
23. BEFORE CUTTING OR DRILLING INTO BUILDING ELEMENTS, INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES.
24. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2017 NATIONAL ELECTRIC CODE (NEC) ANSI/NFPA 70 WITH STATE OF CONNECTICUT AMENDMENTS.
25. THE MEASUREMENT FROM ABOVE FINISHED FLOOR (AFF) SHALL BE TAKEN FROM THE FINISHED FLOOR SURFACE TO THE TOP OF WALL RECEPTACLES AND SWITCH BOXES, TO THE CENTER LINE OF WALL LIGHTING OUTLET BOXES, TO THE TOP OF WALL MOUNTED EQUIPMENT ENCLOSURES, TO THE CENTER LINE OF THE TOP MOST SWITCH HANDLE, OR TO THE LOWEST SURFACE OF CEILING LIGHTING FIXTURES OTHER CEILING MOUNTED EQUIPMENT.
26. UNLESS OTHERWISE INDICATED, ALL CONDUCTORS ARE NO. 12 AWG.
27. CONDUIT SIZE FOR INDICATED CONDUCTORS SHALL BE BASED ON CHAPTER 9 OF NEC.
28. UTILIZE LIQUIDTIGHT FLEXIBLE METAL CONDUIT FOR CONNECT TO EQUIPMENT LOCATED OUTDOORS OR IN DAMP LOCATIONS. MAXIMUM LENGTH OF SIX (6) FEET.
29. ALL WIRING AND CONDUIT SHALL BE CONCEALED BEHIND FINISHED SURFACES.
30. UTILIZE FLEXIBLE METAL CONDUIT OR MC CABLE IN INTERIOR DRY LOCATIONS.
31. PROVIDED ACCEPTABLE TO AUTHORITY HAVING JURISDICTION, CONTRACTOR MAY MAY UTILIZE NONMETALLIC-SHEATHED CABLE IN CONCEALED INTERIOR SPACES ONLY.
32. THE CONTRACTOR MAY GROUP BRANCH CIRCUIT HOME RUN CONDUCTORS IN A SINGLE RACEWAY IN ACCORDANCE WITH NEC.
33. ALL BLANK COVER PLATES TO BE STAINLESS STEEL IN UNFINSHED AREAS ONLY.
34. REFER TO ARCHITECTURAL DRAWINGS FOR SWITCHES, RECEPTACLES AND TELE/DATA OUTLET BOXES FOR MOUNTING HEIGHTS.

NORTH



TYPICAL CONDUIT FLOOR PENETRATION DETAIL (UL XHEZ C-AJ-1008)

SCALE: N.T.S.



TYPICAL CONDUIT WALL PENETRATION DETAIL (UL XHEZ C-AJ-1008)

SCALE: N.T.S.

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STATE OF CONNECTICUT — SALAMONE & ASSOCIATES, P.C. — No. 470 — CORPORATE PRACTICE OF ENGINEERING

NORTH CAMPUS TOWNHOUSES
BATHROOM REPLACEMENT 2020

CADD. NO.
PROJECT NO. SCSU-2020-03
DATE: APRIL, 28 2020
SHEET E2
DRAWING TITLE: ELECTRICAL SCHEDULES, DETAILS, SYMBOLS, NOTES AND ABBREVIATIONS