MUNRO HALL HVAC ADDITION & SQUAD BAY RENOVATIONS

U.S. COAST GUARD TRAINING CENTER
CAPE MAY , NEW JERSEY

LEGENDS & NOTES

- PARTITION: EXISTING TO BE REMOVED
- PARTITION: EXISTING TO REMAIN
- PARTITION: NEW
- DOOR: EXISTING TO REMAIN
- DOOR: NEW, SIZE AS NOTED
- EXIT SIGN
- PARTITION TYPE

PROJECT DATA

BUILDING CODE

INTERNATIONAL BUILDING CODE

CONSTRUCTION TYPE: IB

USE GROUP: INSTITUTIONAL

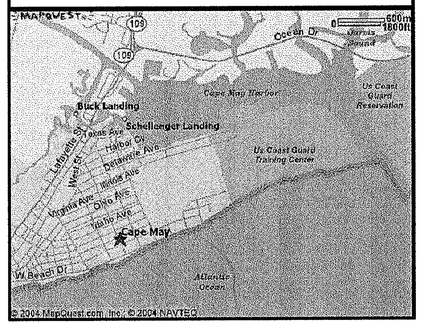
BUILDING AREAS

- TOTAL BUILDING AREA (EXISTING): 15,284 SQ FT
- CONSTRUCTION AREA: 14,400 SQ FT

GENERAL NOTES

1. ALL CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES.
2. CONTRACTOR SHALL COMPLY WITH ALL CODES, RULES, REGULATIONS, AND ORDINANCES OF FEDERAL, STATE AND CITY.
3. CONTRACTOR TO VERIFY ALL SIZES & CONDITIONS IN FIELD PRIOR TO STARTING CONSTRUCTION.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP TRASH, DEBRIS AND ANY OTHER MATERIAL RELATED TO HIS PORTION OF THE WORK.
5. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR COMPLETE AND ABSOLUTE COMPLIANCE WITH ALL PROVISIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT, INCLUDING ALL AMENDMENTS PERTAINING TO THEIR WORK.
6. ANY DAMAGE DONE TO THE EXISTING BUILDING, OR AREAS SURROUNDING THE WORK, SHALL BE RESTORED TO A CONDITION EQUAL TO THAT PRIOR TO START OF CONSTRUCTION.
7. GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL PORTIONS OF THE WORK.
8. ALL WORKMANSHIP WILL BE OF THE HIGHEST QUALITY ATTAINABLE AND BE CONSISTENT WITH THE MATERIALS OF CONSTRUCTION.
9. ALL FINISHED MATERIALS SHALL BE SMOOTH AND FREE OF RUNS, WRINKLES AND UNEVENESS.
10. ALL UPRIGHT MEMBERS AND COMPONENTS SHALL BE ERECTED PLUMB AND TRUE. THEY SHALL BE PROPERLY BRACED TO PREVENT SETTLEMENT OR DISTORTIONS.
11. ALL MATERIALS REQUIRING JOINTS SHALL BE EVENLY MATCHED AND ALIGNED WITH PROPER CLEARANCES. CAULKINGS AND OTHER JOINT TREATMENTS APPROPRIATE TO THE MATERIAL.
12. WHERE EXISTING PARTITIONS ARE REMOVED OR NEW PARTITIONS ARE INSTALLED, PATCH FLOORS, WALLS, AND CEILINGS AS REQUIRED. WALL FINISHES TO MATCH EXISTING ADJACENT.
13. MODIFY EXISTING AND/OR INSTALL NEW SUSPENDED CEILING SYSTEM AS REQUIRED. NEW MATERIALS TO MATCH EXISTING.
14. MODIFY EXISTING LIGHTING SYSTEM AS REQUIRED TO PROPERLY SERVE ALL NEW AND RENOVATED AREAS.

LOCATION MAP



ABBREVIATIONS

ABV	ABOVE	EMR	EMERGENCY	LL	LIVE LOAD	SFGL	SAFETY GLASS		
AFF	ABOVE FINISHED FLOOR	ENCL	ENCLOSURE	LOCN	LOCATION	SCHED	SCHEDULE		
ACT	ACOUSTICAL TILE	EQ	EQUAL	LVR	LOUVER	SCNJT	SCREED JOINT		
ADD	ADDENDUM	EQUIP	EQUIPMENT	LP	LOW POINT	SELNT	SEALANT		
ADDL	ADDITIONAL	EST	ESTIMATE			STG	SEATING		
ADJ	ADJACENT	EXH	EXHAUST			SECT	SECTION		
AC	AIR CONDITIONING	EXIS	EXISTING	MACH	MACHINE	SERV	SERVICE		
ALUM	ALUMINUM	EXPN	EXPANSION	MB	MACHINE BOLT	SHT	SHEET		
ANOD	ANODIZED	EB	EXPANSION BOLT	MBD	MARKERBOARD	SH GL	SHEET GLASS		
APPROX	APPROXIMATE	EJ	EXPANSION JOINT	MAINT	MAINTENANCE	SH V	SHELF, SHELVING		
ARCH	ARCHITECT(URAL)	EXP	EXPOSED	MFG	MANUFACTURE(R)	SIM	SIMILAR		
AD	AREA DRAIN	EXT	EXTERIOR	MAS	MASONRY	SLV	SLEEVE		
@	AT			MO	MASONRY OPENING	SD	SMOKE DETECTOR		
ATTEN	ATTENUATION			MATL	MATERIAL	SSD	STATION SMOKE DETECTOR		
AUTO	AUTOMATIC	FB	FACE BRICK	MAX	MAXIMUM	SC	SOLID CORE		
AVE	AVERAGE	FO ...	FACE OF ...	MECH	MECHANICAL	SNDPR	SOUNDPROOF		
		FF	FACTORY FINISH	MEMB	MEMBRANE	S	SOUTH		
BM	BEAM	FAS	FASTENER(S)		MIRROR	SPEC	SPECIFICATION		
BRNG	BEARING	FT	FEET, FOOT	MTL	METAL	SQ	SQUARE		
BTWN	BETWEEN	FN	FENCE	MD	METAL DECK	SQ FT	SQUARE FEET		
BEYD	BEYOND	FRP	FIBERGLASS REINF PLASTIC	MSH	METAL SHELF	SS	STAIN. STEEL		
BLK	BLOCK	FIN	FINISH(ED)	MIN	MINIMUM	STD	STANDARD		
BLKG	BLOCKING	FTR	FIN TUBE RADIATION	MISC	MISCELLANEOUS	SP	STAND PIPE		
BRD	BOARD	FE	FIRE EXTINGUISHER	MOD	MODIFIED	STL	STEEL		
B SHLV	BOOKSHELF	FEC	FIRE EXTINGUISHER CABINET	MTD	MOUNTED	STOR	STORAGE		
BS	BOTH SIDES	FEN	FIRE EXTINGUISHER NICHE	MOV	MOVABLE	STRN	STORM (RAIN/AGE)		
BW	BOTH WAYS	FHC	FIRE HOSE CABINET			STR	STRAIGHT		
BOT	BOTTOM	FIXT	FIXTURE			STR(L)	STRUCTURE(AL)		
BO ...	BOTTOM OF ...	FLSHG	FLASHING	NAT	NATURAL	SUBST	SUBSTRATE		
BRK	BRICK	FLR	FLOORING	NR	NOISE REDUCTION	SUSP	SUSPENDED		
BF	BROOM FINISH	FD	FLOOR DRAIN	NRC	NOISE REDUCTION COEFF.	SYST	SYSTEM		
BLDG	BUILDING	FLUOR	FLUORESCENT	NOM	NOMINAL	SYM	SYMETRICAL		
		FLPL	FLUOROPOLYMER	N	NORTH	SYS	SYSTEM		
CAB	CABINET	FTG	FOOTING	NIC	NOT IN CONTRACT				
CPT	CARPET(ED)	FNDN	FOUNDATION	NTS	NOT TO SCALE	TKBD	TACKBOARD		
CSMT	CASEMENT	FRM	FRAME(D), FRAMING	NO	NUMBER	TKS	TACKSTRIP		
CSWK	CASEWORK	FRZ	FREEZER			TEL	TELEPHONE		
CI	CAST IRON	FAI	FRESH AIR INLET			TEMP TH	TEMPORARY THERMAL		
CB	CATCH BASIN	FURN	FURNISH	OFC	OFFICE	TH	THICK(NESS)		
CLK	CAULK(ING)	FUR	FURRING	OC	ON CENTER	TRSH	THRESHOLD		
CLG	CEILING			OPNG	OPENING	TL	TILE		
CEM	CEMENT	GA	GAUGE	OPP	OPPOSITE	TOIL ACC	TOILET ACCESSORY		
CTR	CENTER	GALV	GALVANIZED	OPH	OPPOSITE HAND	TOL	TOLERANCE		
CL	CENTER LINE	GC	GENERAL CONTRACTOR	OD	OUTSIDE DIAMETER	TOP	TOPPING		
CT	CERAMIC TILE	GL	GLASS	OVHD	OVERHEAD	TO	TOP OF		
CB	CHALKBOARD	GLBLK	GLASS BLOCK			TOS	TOP OF SLAB		
CIR	CIRCLE	GLFB	GLASS FIBER	PT	PAINT(ED)	TOW	TOP OF WALL		
CLSRM	CLASSROOM	GLZ	GLAZE	PTD	PAINTED) W/CERAMIC TILE WAINSCOT	T	TREAD		
CLR	CLEAR(ANCE)	GLZG	GLAZED CMU	PR	PAIR	TYP	TYPICAL		
CLOS	CLOSET	GR	GRADE	PNL	PANEL				
CLS	CLOSURE	GR. BM	GRADE BEAM	PAR	PARALLEL	U HT	UNIT HEATER		
CH	COAT HOOKS	GVL	GRAVEL	PKG	PARKING	U VENT	UNIT VENTILATOR		
COL	COLUMN	GRND	GROUND	PBD	PARTICLE BOARD	UNO	UNLESS NOTED OTHERWISE		
CONC	CONCRETE	GWB	GYPSUM WALLBOARD	PTN	PARTITION	UTIL	UTILITY		
CMU	CONCRETE MASONRY UNIT			PV	PAVED(XING)	U MOLD	UTILITY MOLDING		
CONSTR	CONSTRUCTION	HC	HANDICAPPED	PVMT	PAVEMENT				
CONT	CONTINUE (CONTINUOUS)	HNDRL	HANDRAIL	PLAS	PLASTER	VAL	VALUE		
CONTR	CONTRACTOR(S)	HDW	HARDWARE	PLAM	PLASTIC LAMINATE	VB	VAPOR BARRIER		
CLL	CONTRACT LIMIT LINE	HD	HEAD	PL	PLATE	VAR	VARIES, VARIABLE		
CJ	CONTROL JOINT	HVAC	HEATING, VENTILATION, AC	PLYWD	PLYWOOD	VP	VENT PIPE		
COORD	COORDINATE	HT	HEIGHT	PNT	POINT	VENT	VENTILATING		
CG	CORNER GUARD	HP	HIGH POINT	PVC	POLYVINYL CHLORIDE	VIF	VERIFY IN FIELD		
CNTR FLSH	COUNTER FLASHING	HC	HOLLOW CORE	PCF	POUNDS PER CUBIC FOOT	VERT	VERTICAL		
CNTR SK	COUNTER SINK	HM	HOLLOW METAL	PLF	POUNDS PER LINEAR FOOT	VEST	VESTIBULE		
CRS	COURSE(S)	HK	HOOK(S)	PSF	POUNDS PER SQUARE FOOT	VIN	VINYL		
CFM	CUBIC FOOT/MIN	HORIZ	HORIZONTAL	PSI	POUNDS PER SQUARE INCH	VCT	VINYL COMPOSITION TILE		
CYD	CUBIC YARD	HB	HOSE BIBB	PIP. CONC	POURED-IN-PLACE CONCRETE	VOL	VOLUME		
		HWHTR	HOT WATER HEATER	PCC	PRECAST CONCRETE				
DPR	DAMPER	HR	HOUR	PREFAB	PREFABRICATED	WH	WALL HUNG		
DP	DAMPPROOFING			PREFIN	PREFINISHED	W	WALL COATING		
DL	DEAD LOAD	IMPRG	IMPREGNATED	PREFM	PREFORMED	W/WB	WALL COATING W/WALL BORDER		
DEMO	DEMOLISH (DEMOLITION)	IN	INCHES	PMF	PRE MOLDED FILLER	WC	WATERCLOSET		
DMT	DEMOUNTABLE	INCL	INCLUDE	PL	PROPERTY LINE	WGHT	WEIGHT		
DTL	DETAIL	ID	INSIDE DIAMETER			WWF	WELDED WIRE FABRIC		
DIAG	DIAGONAL	INSUL	INSULATE (INSULATION)	QT	QUARRY TILE	WWM	WELDED WIRE MESH		
DIFF	DIFFUSER	INT	INTERIOR			W	WEST		
DIM	DIMENSION	INV	INVERT	RAD, R	RADIUS	WF	WIDE FLANGE		
DW	DISHWASHER			RB	RESILIENT BASE RUBBER	WIN	WINDOW		
DR	DOOR	JC	JANITOR CLOSET	RATD	RATED	WGL	WIRED GLASS		
DS	DOOR STOP (WALL MOUNTED)	JT	JOINT	RWC	RAINWATER CONDUCTOR	WM	WIRE MESH		
DH	DOUBLE HUNG	JF	JOINT FILLER	REC	RECESSED	W/	WITH		
DN	DOWN	JST	JOIST	REF	REFERENCE	W/O	WITHOUT		
DRN	DRAIN			REFR	REFRIGERATOR	WP	WORK POINT		
DWG	DRAWING	KPL	KICKPLATE	REG	REGISTER				
D	DRYER	KO	KNOCKOUT	REINF	REINFORCED(XING)	Y	YARD		
				REBAR	REINFORCING BAR				
EA	EACH	LAV	LAVATORY	REMV	REMOVE(ABLE)				
E	EAST	L	LEFT	REQD	REQUIRED				
ELAS	ELASTOMERIC	LNG	LENGTH, LONG	RET	RETURN				
ELEC	ELECTRIC(AL)	LT	LIGHT	RA	RETURN AIR				
EWC	ELECTRIC WATER COOLER	LTG	LIGHTING	REV	REVISION, REVISE				
EFO	ELECTRICAL FLOOR OUTLET	LTPR	LIGHTPROOF	RH	RIGHT HAND				
EL	ELEVATION	LTWT	LIGHTWEIGHT	ROW	RIGHT OF WAY				
ELEV	ELEVATOR	LTL	LINTEL	RGD	RIGID				
				R	RISER				
				RD	ROOF DRAIN				
				RFG	ROOFING				
				RO	ROUGH OPENING				
				RND	ROUND				

LIST OF DRAWINGS

CS COVER SHEET & SITE PLAN

ARCHITECTURAL

D1.0 DEMOLITION PLAN - FIRST FLOOR
D1.1 DEMOLITION PLAN - SECOND FLOOR
D1.2 DEMOLITION PLAN - THIRD FLOOR
D1.3 DEMOLITION PLAN - ROOF
D1.4 DEMOLITION NOTES
A1.0 FLOOR PLAN - FIRST FLOOR
A1.1 FLOOR PLAN - SECOND FLOOR
A1.2 FLOOR PLAN - THIRD FLOOR
A2.0 TYPICAL FLOOR PLAN, DETAILS, SCHEDULES
A2.1 INTERIOR ELEVATIONS
A2.2 WALL SECTIONS
A2.3 WALL SECTIONS
A3.0 REFLECTED CEILING PLAN - FIRST FLOOR
A3.1 REFLECTED CEILING PLANS - SECOND FLOOR
A3.2 REFLECTED CEILING PLANS - THIRD FLOOR

STRUCTURAL

S-1 ROOF DUNNAGE FRAMING PLAN - STRUCTURAL
S-2 ROOF OPENING FRAMING PLAN - STRUCTURAL
S-3 THIRD FLOOR OPENING FRAMING PLAN - STRUCTURAL
S-4 SECOND FLOOR OPENING FRAMING PLAN - STRUCTURAL
S-5 SECTIONS, DETAILS, SCHEDULES & NOTES - STRUCTURAL

HVAC

M1 FIRST FLOOR PLAN - HVAC
M2 SECOND FLOOR PLAN - HVAC
M3 THIRD FLOOR PLAN - HVAC
M4 ROOF PLAN - HVAC
M5 SCHEDULES - HVAC
M6 SCHEDULES - HVAC
M7 CHILLED & HOT WATER PIPING DIAGRAM - HVAC
M8 DETAILS & DIAGRAMS - HVAC
M9 MECHANICAL ROOM 110 PLAN - HVAC

PLUMBING

P1 FIRST FLOOR PLAN - PLUMBING
P2 SECOND FLOOR PLAN - PLUMBING
P3 THIRD FLOOR PLAN - PLUMBING
P4 ROOF PLAN - PLUMBING
P5 SCHEDULES, DETAILS, & DIAGRAMS - PLUMBING

ELECTRICAL

E1 ELECTRICAL NOTES & SYMBOLS
E2 FIRST FLOOR PLAN - ELECTRICAL
E3 SECOND FLOOR PLAN - ELECTRICAL
E4 THIRD FLOOR PLAN - ELECTRICAL
E5 ROOF PLAN - ELECTRICAL
E6 SINGLE LINE DIAGRAM - ELECTRICAL
E7 SCHEDULES & DETAILS - ELECTRICAL
E8 PANEL SCHEDULES - ELECTRICAL

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ISSUE		
	12/16/05	AS-BUILT
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DRAWN BY:	CDG
EDITED BY:	CDG
CHECKED BY:	MZ

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

SHEET TITLE

MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261
DEMOLITION PLAN
1ST FLOOR PLAN

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
EIC	MGR	TD
PROJECT ENG.	BRANCH CHIEF	

CO — APPROVING OFFICER
15 NOV 2004 — DATE

PROJECT NUMBER	DRAWING NUMBER
T04026	T-5373-ZD
DISCIPLINE/SHT NO	
CS	SHEET 1 OF 43

8 TYPICAL FOR 12 BATHROOM EXHAUST FANS

10 TRANSFER DUCTS/GRILLES - TYPICAL FOR 8

5 TYPICAL FOR 12 DX UNITS

BAY IS

BAY IW

BAY IE

BAY IN

1 / D1.0 DEMOLITION PLAN
SCALE 1/4"=1'-0"

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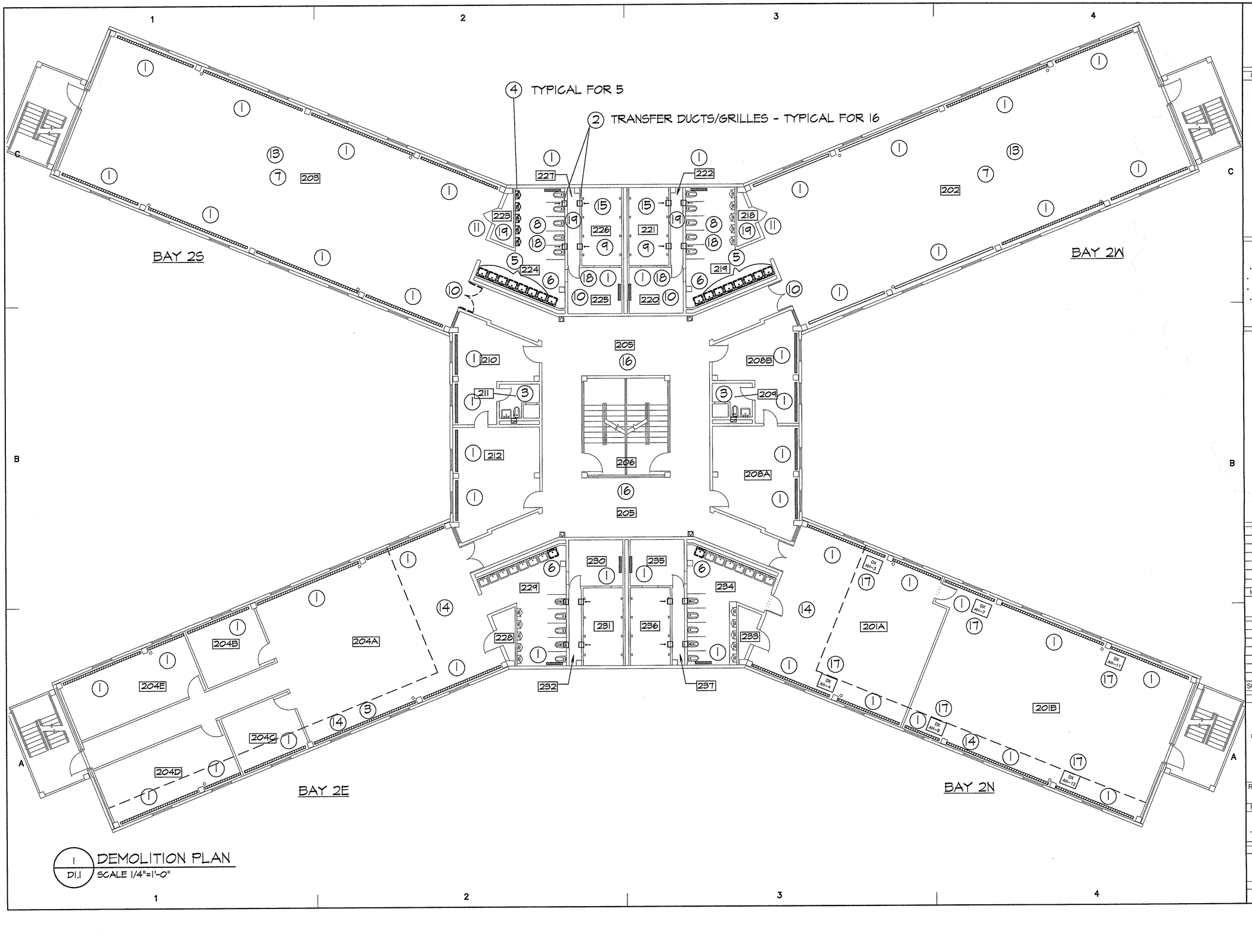
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TRACEN
CAPE MAY NEW JERSEY
BUILDING #261
1ST PLAN
DEMOLITION PLAN

REVIEWED BY: EIC	REVIEWED BY: MGR	REVIEWED BY: TD
PROJECT ENG.	BRANCH CHIEF	

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15 NOV 2004 — DATE

PROJECT NUMBER	DRAWING NUMBER
T04026	T-5374-DD
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D1.0	SHEET 2 OF 43



1 / D1.1 DEMOLITION PLAN
SCALE 1/4"=1'-0"

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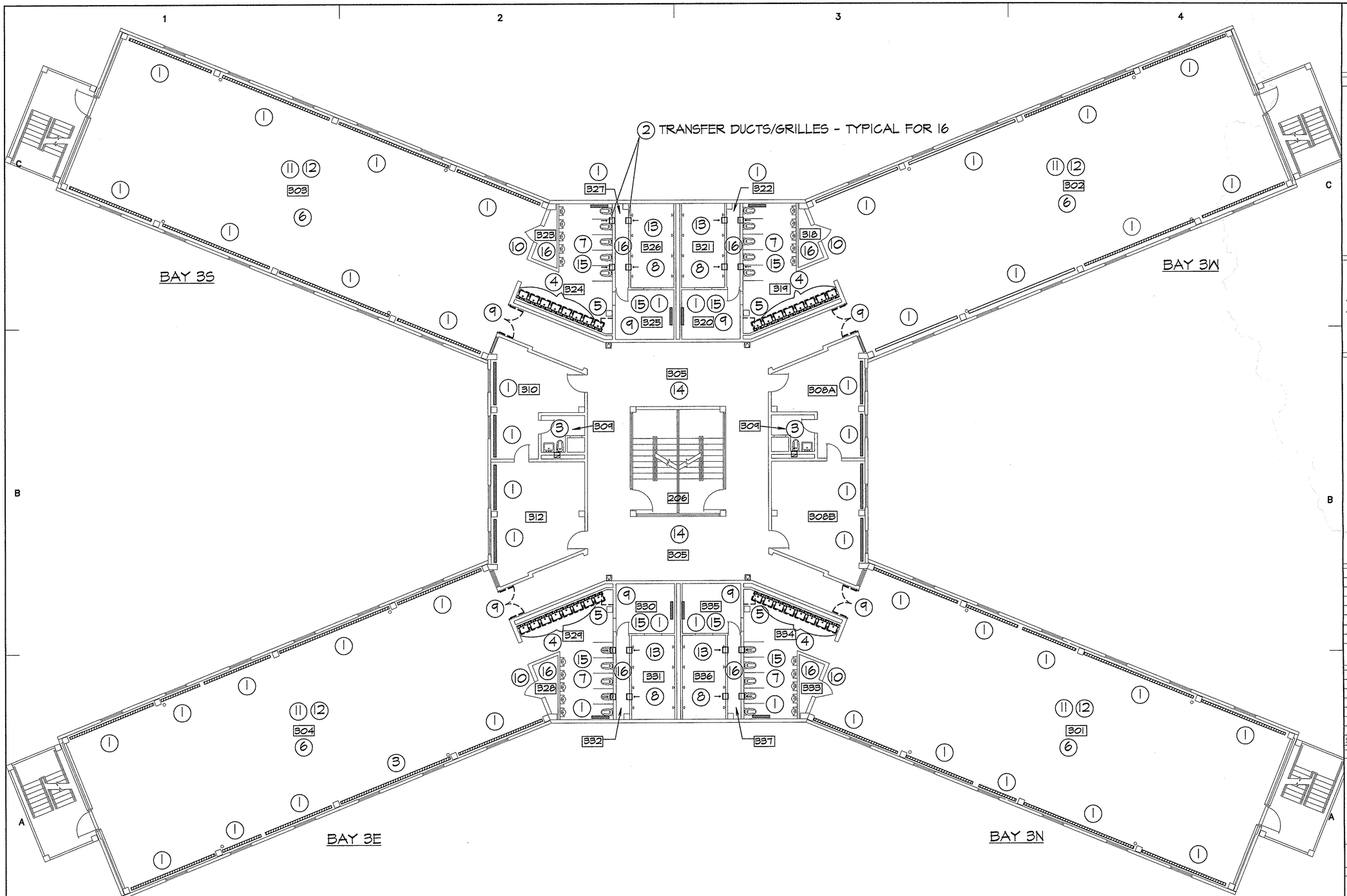
SHEET TITLE

MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261
2ND FLOOR
DEMOLITION PLAN

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PROJECT NUMBER	DRAWING NUMBER
T04026	T-5375-DD
DISCIPLINE/SHT NO	
D1.1	SHEET 3 OF 43



1 / D1.2 DEMOLITION PLAN
SCALE 1/4"=1'-0"

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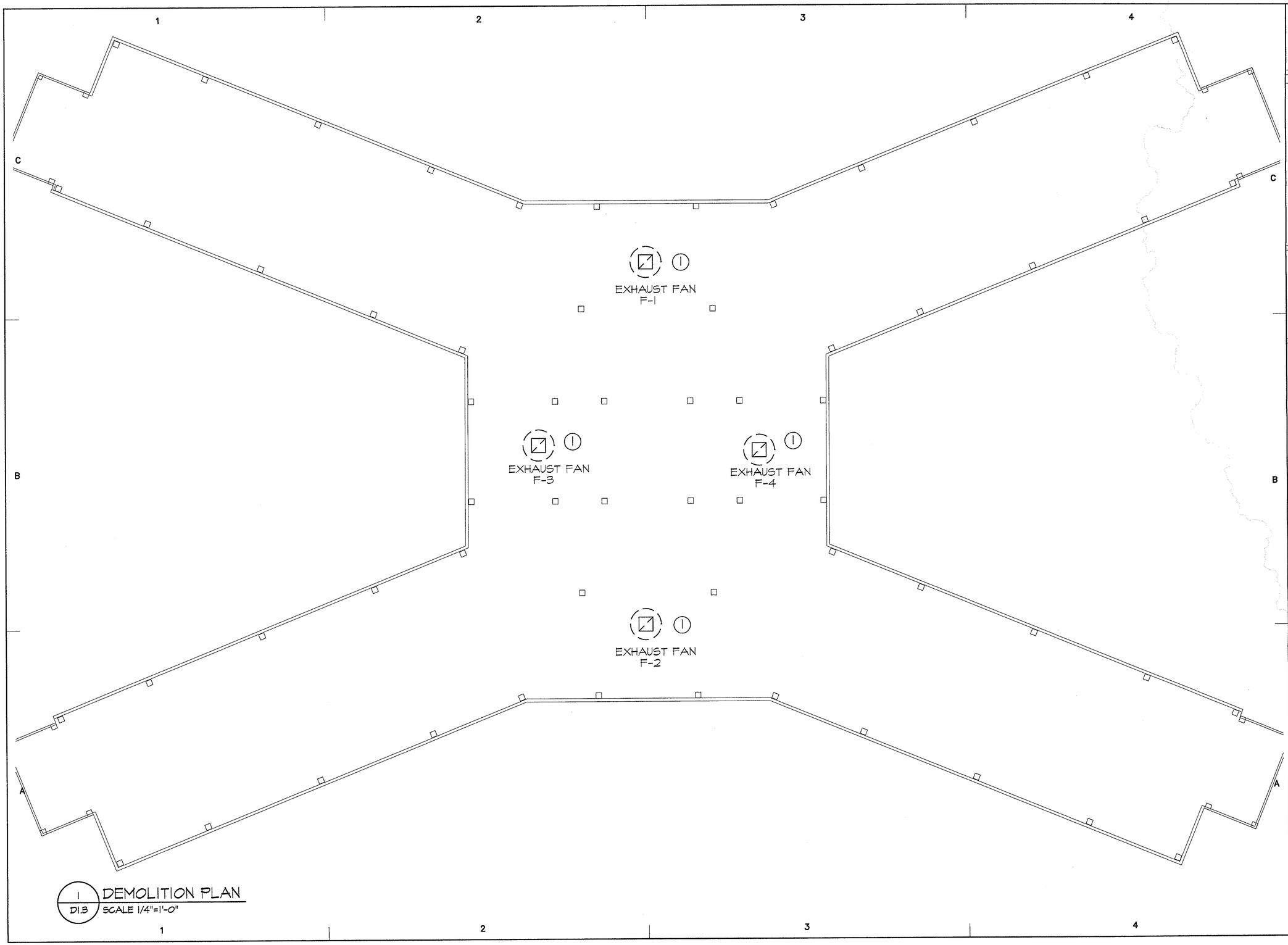
SHEET TITLE

MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261
3RD FLOOR
DEMOLITION PLAN

REVIEWED BY: EIC	REVIEWED BY: MGR	REVIEWED BY: TD
PROJECT ENG.	BRANCH CHIEF	

CO	15 NOV 2004
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PROJECT NUMBER	DRAWING NUMBER
T04026	T-5376-DD
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D1.2	SHEET 4 OF 43



1 / D1.3 DEMOLITION PLAN
SCALE 1/4"=1'-0"

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SHEET TITLE

MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261
ROOF
DEMOLITION NOTES

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
EIC	MGR	TD
PROJECT ENG.	BRANCH CHIEF	

CO	15 NOV 2004
APPROVING OFFICER	DATE

PROJECT NUMBER	DRAWING NUMBER
T04026	T-5377-DD
DISCIPLINE/SHT NO	SHEET 5 OF 43
D1.3	

DEMOLITION GENERAL NOTES

1. CONTRACTOR SHALL VISIT THE SITE, VERIFY AND BECOME FAMILIAR WITH RELATIVE LOCATIONS AND EXISTING CONDITIONS.
2. CONTRACTOR SHALL VERIFY THAT DEMOLITION HAS BEEN COMPLETED AND THAT THE SPACE IS BROOM CLEAN, READY FOR NEW CONSTRUCTION, SHOULD DEMOLITION ITEMS REMAIN, REPORT SUCH ITEMS TO OWNER.
3. PATCH, REPAIR AND REFINISH AS REQUIRED ANY EXISTING PERIMETER DRYWALL PARTITIONS OR SOFFITS DAMAGED BY DEMOLITION OF PERPENDICULAR PARTITIONS AND REMOVAL OF BASE.
4. PATCH, REPAIR AND REFINISH AS REQUIRED ANY DAMAGE TO FLOOR AND WALLS LEFT FROM THE REMOVAL OF ELECTRICAL OUTLETS, PHONE OUTLETS, LIGHT SWITCHES, THERMOSTATS, SECURITY, ETC.
5. WHERE DEMOLITION EXPOSES AN UNFINISHED SURFACE, PATCH SURFACE TO MATCH THE ADJACENT SURFACE. PATCH SURFACE TO ELIMINATE EVIDENCE OF PATCHING OPERATION.
6. REPAIR ALL SLAB PENETRATIONS LEFT BY THE REMOVAL OF WALLS, FLOOR-MOUNTED POWER RECEPTACLES, FASTENINGS FOR WALLS AND PIPING WITH NON-SHRINK GROUT. HOLES EXTENDING TO THE FULL DEPTH OF THE SLAB SHALL BE PATCHED TO THE FULL DEPTH OF THE SLAB.
7. DURING THE ENTIRE PERIOD OF DEMOLITION AND CONSTRUCTION, MAINTAIN IN OPERATING CONDITION ALL EXISTING EXITS, EXIT LIGHTING, FIRE PROTECTION DEVICES AND ALARMS AS PER CODE. COORDINATE WITH BUILDING MANAGER.
8. PROTECT ALL EXISTING WALLS, INTERIOR WALLS, AND COLUMN ENCLOSURES, CORE ELEMENTS, OVERHEAD HVAC, AND PLUMBING EQUIPMENT SCHEDULED TO REMAIN.
9. PROVIDE TEMPORARY SHORING AS REQUIRED OR ANY OTHER PROVISIONS TO INSURE THE SAFETY OF PERSONNEL, EXISTING STRUCTURE AND UTILITIES DURING CONSTRUCTION.
10. PROTECT ALL AREAS ADJACENT TO THE PROJECT AREA FROM DIRT, DUST DAMAGE, ETC.
11. SHOULD ADDITIONAL DEMOLITION BE REQUIRED, COORDINATE WITH BUILDING OWNER FOR HOURS PERMITTED, AND PLACEMENT OF DUMPSTERS, ETC.
12. CONTRACTOR SHALL COORDINATE WITH BUILDING OWNER THE REMOVAL OF OF SPEAKERS AND RETRACTABLE PROJECTION SCREENS WHEN REQUIRED.
13. ROOM 101 (LRC) AND ROOM 114 WILL REMAIN IN OPERATION DURING CONSTRUCTION. CONTRACTOR TO MAINTAIN HVAC, PLUMBING, ELECTRICAL POWER, LIGHTING, AND TELECOMMUNICATIONS TO BOTH ROOMS.
14. CONTRACTOR TO COORDINATE WITH USCG THE SALVAGE OF ANY REMOVED EQUIPMENT.

FIRST FLOOR DEMOLITION NOTES

First Floor

Mechanical Contractor Demolition

(1.) Fan Coil Units to remain. All piping, valves, controls to remain. Piping is in crawl space and shall remain. Refer to Original As-Built Drawing Number CM-2181-MD, Sheet 7 of 10, Dated 7/28/92, for routing of piping that is to remain.

(2.) Remove Fan Coil Unit. Remove supply and return coil piping back to the 1-1/2" Supply and return piping in the Crawl Space. Cap supply and return at the take off from the 1-1/2" supply and return piping in the Crawl Space. Remove coil shutoff valves. Refer to Original As-Built Drawing Number CM-2154-MD, Sheet 7 of 10, Dated 7/28/92.

(3.) Remove Hot Water Baseboard Convectors. Remove all supply and return piping, valves, controls serving convectors. Piping to be completely removed back to the Mechanical Equipment Room. Piping is located in the crawl space. Refer to Original As-Built drawing No. 104731, Sheet 91 of 94, Dated Feb. 8, 1966 for piping routing.

(4.) Remove Fan Coil Units. Remove all supply and return piping, valves, controls serving units.

(5.) Remove DX Condensing units located outside on concrete pads. Remove refrigerant liquid and suction lines to each inside AH unit. Refer to Original As-Built drawing No. CM-2187-MD, Sheet 12 of 17, Dated Sept. 30, 1987.

(7.) Remove DX Air Handling Units. Remove refrigerant liquid and suction lines, drain lines, controls, hangers, and steel cover on column covering refrigerant lines. Refer to Original As-Built drawing No. CM-2187-MD, Sheet 12 of 17, Dated Sept. 30, 1987.

(8.) Remove bathroom ceiling exhaust fans. New fans to be installed - refer to New Work Drawing M-1.

(9.) Remove exhaust ductwork and grilles. Refer to Original As-Built drawing No. 104731, Sheet 91 of 94, Dated Feb. 8, 1966.

(10.) Remove Transfer Exhaust grilles and ductwork. Refer to Original As-Built drawing No. 104731, Sheet 91 of 94, Dated Feb. 8, 1966.

(12.) Remove hot water pumps, dual temperature pumps, piping, valves and controls. Coordinate demolition with New Work on Drawing M-1.

Electrical Contractor Demolition

(2.) Disconnect and remove power wiring to Fan Coil Unit. Wiring, conduit and hangers shall be completely removed back to electrical panel. Circuit shall be left as Spare.

(4.) Disconnect and remove power wiring to Fan Coil Unit. Wiring, conduit and hangers shall be completely removed back to electrical panel. Circuit shall be left as Spare.

(5.) Disconnect and remove power wiring to DX Condensing units. Wiring, conduit and hangers shall be completely removed back to electrical panel. Refer to Original As-Built Drawing Number CM-2192-ED, Sheet 17 of 17, Dated 9/30/87.

(6.) Disconnect and remove electrical panel, including power wiring. Wiring, conduit and hangers shall be completely removed back to distribution panel. Circuit shall be left as Spare. Refer to Original As-Built Drawing Number CM-2192-ED, Sheet 17 of 17, Dated 9/30/87.

(7.) Disconnect and remove power wiring to DX Air Handling Units. Wiring, conduit and hangers shall be completely removed back to electrical panel.

(8.) Disconnect power wiring from bathroom exhaust fans. Wiring to be bundled for reconnection to new exhaust fan.

(12.) Disconnect and remove power wiring to hot water pumps and dual temperature pumps. Remove wiring back to electrical panel. Circuit shall be left as spare. Coordinate demolition with New Work on Drawing E-1. Refer to New Work Drawing E-1.

General Contractor Demolition

(2.)(3.)(4.) Repair and patch piping holes in floor to match existing. Repair, patch and paint walls to match existing.

(5.) Repair and patch piping holes in wall and floor to match existing. Repair, patch and paint walls to match existing. Remove concrete pads. Plant grass.

(7.) Repair and patch piping holes in floor and suspended floor to match existing. Repair, patch and paint walls and columns to match existing.

(9.)(10.) Repair and patch ductwork openings. Repair, patch and paint walls to match existing.

(11.) Remove existing ceiling grid and tiles to accomodate new acoustic ceiling soffit. Refer to Reflected Ceiling Plan drawing A3.0.

General Mechanical Demolition Notes

1. Unless noted otherwise, all HVAC equipment, ductwork, piping, controls, valves, insulation and appurtenances shall be removed where shown on drawings.
2. Piping located in permanent concrete walls shall be cut below the wall surface on both sides of the wall, pipe capped, and wall surface patched to match original.
3. Cut and patch existing surfaces to remain. Provide fire sating at all floor or shaft penetrations by disconnections and/or removals.

General Electrical Demolition Notes

1. Unless otherwise noted, all electrical equipment, fixtures, conduit, devices, and appurtenances shall be removed where shown on the drawings.
2. Conduit located in permanent concrete walls shall be cut below the wall surface on both sides of the wall, conduit capped, and wall surface patched to match original.
3. Cut and patch existing surfaces to remain. Provide fire sating at all floor or shaft penetrations by disconnections and/or removals.
4. For new devices in same location, existing conduit may remain and be re-utilized for recircuiting of new devices.

General Plumbing Demolition Notes

1. Unless otherwise noted, all plumbing equipment, fixtures, piping, controls, valves, insulation and appurtenances shall be removed where shown on the drawings.
2. Piping located in permanent concrete walls shall be cut below the wall surface on both sides of the wall, pipe capped, and wall surface patched to match original.
3. Cut and patch existing surfaces to remain. Provide fire sating at all floor or shaft penetrations by disconnections and/or removals.

SECOND FLOOR DEMOLITION NOTES

Second Floor

Mechanical Contractor Demolition

(1.) Remove Hot Water Baseboard Convectors. Remove all supply and return piping, valves, controls serving convectors. Piping to be completely removed back to the Mechanical Equipment Room. Piping is located above the first floor ceiling. Refer to Original As-Built drawing No. 104732, Sheet 92 of 94, Dated Feb. 8, 1966 for piping routing.

(2.) Remove Transfer Exhaust grilles and ductwork. Refer to Original As-Built drawing No. 104732, Sheet 92 of 94, Dated Feb. 8, 1966.

(3.) Remove Exhaust Grilles and ductwork. Refer to Original As-Built Drawing Number 104732, Sheet 92 of 94, Dated 2/8/66.

(11) Remove DX Air Handling Units. Remove refrigerant liquid and suction lines, drain lines, controls, hangers, and steel cover on column covering refrigerant lines. Refer to original As-built Drawing Number CM-2187-MD, Sheet 12 of 17, Dated 9/30/87.

Electrical Contractor Demolition

(7.) Disconnect and remove ceiling lights. Wiring shall be completely removed back through the wall light switches back to the electrical panel. Circuits shall be left as spares. Light switches shall be removed. Ceiling mounted speakers to be removed. Fire smoke detectors shall be temporary suspended while new suspended ceiling is installed.

(8.) Disconnect and remove lighting. Wiring shall be completely removed back through the wall light switch back to the electrical panel. Circuits shall be left as spares. . Light switch shall be removed. GFI receptacles located above lavatories shall be removed.

(9.) Disconnect and remove lighting. Wiring shall be completely removed back through the wall light switch back to the electrical panel. Circuits shall be left as spares.

(17) Disconnect and remove power wiring to DX Air Handling Units. Wiring, conduit and hangers shall be completely removed back to electrical panel.

Plumbing Contractor Demolition

(4.) Remove urinals, valves, piping back to chase. Cap piping in chase.

(5.) Remove lavatories, faucets, p-trap, piping. New lavatories to be installed.

(6.) Remove end lavatory, faucets, p-trap, piping, valves, back to chase. Cap pipes in chase.

(15.) Remove shower heads, valves, fittings, piping and metal cover. Coordinate with new shower heads, piping and fittings being installed. Refer to drawing P-2.

General Contractor Demolition

(1.) Repair and patch piping holes in floor to match existing. Repair, patch and paint walls to match existing.

(2.)(3.) Repair and patch ductwork openings. Repair, patch and paint walls to match existing.

(10.) Remove existing door and hardware.

(11.) Remove existing fire hose cabinet. Infill opening to match existing adjacent walls.

(12.)

(13.) Remove existing ceiling grid and tiles throughout entire squad bay.

(14.) Remove existing ceiling tiles and grid as required to accomodate new acoustic ceiling soffit. Refer to Reflected Ceiling Plan drawing A3.1.

(15.) Patch and repair shower walls (where pipe cover removed) with tiles to match existing. Repair and patch piping holes in ceiling.

(16.) Ceiling tiles and grid, support and lighting to be partially removed to allow for installation of steel opening reinforcement.

(17.) Repair and patch piping holes in floor to match existing. Repair, patch and paint walls and columns to match existing.

(18.) Remove existing plaster/gyp ceiling.

(19.) Remove existing asbestos pipe insulation.

THIRD FLOOR DEMOLITION NOTES

Third Floor

Mechanical Contractor Demolition

(1.) Remove Hot Water Baseboard Convectors. Remove all supply and return piping, valves, controls serving convectors. Piping to be completely removed back to the Mechanical Equipment Room. Piping is located above the second floor ceiling. Refer to Original As-Built drawing No. 104733, Sheet 93 of 94, Dated Feb. 8, 1966 for piping routing.

(2.) Remove Transfer Exhaust grilles and ductwork. Refer to Original As-Built drawing No. 104733, Sheet 93 of 94, Dated Feb. 8, 1966.

(3.) Remove Exhaust Grilles and ductwork. Refer to Original As-Built Drawing Number 104733, Sheet 93 of 94, Dated 2/8/66.

Electrical Contractor Demolition

(6.) Disconnect and remove ceiling lights. Wiring shall be completely removed back through the wall light switches back to the electrical panel. Circuits shall be left as spares. Light switches shall be removed. Ceiling mounted speakers to be removed. Fire smoke detectors shall be temporary suspended while new suspended ceiling is installed.

(7.) Disconnect and remove lighting. Wiring shall be completely removed back through the wall light switches back to the electrical panel. Circuits shall be left as spares.. Light switch shall be removed. GFI receptacles located above lavatories shall be removed.

(8.) Disconnect and remove lighting. Wiring shall be completely removed back through the wall light switch back to the electrical panel. Circuits shall be left as spares.

Plumbing Contractor Demolition

(4.) Remove lavatories, faucets, p-trap, piping. New lavatories to be installed.

(5.) Remove end lavatory, faucets, p-trap, piping, valves, back to chase. Cap pipes in chase.

(18.) Remove shower heads, valves, fittings, piping and metal cover. Coordinate with new shower heads, piping and fitting being installed. Refer to drawing P-2.

General Contractor Demolition

(1.) Repair and patch piping holes in floor to match existing. Repair, patch and paint walls to match existing.

(2.)(3.) Repair and patch ductwork openings. Repair, patch and paint walls to match existing.

(9.) Remove existing door and hardware.

(10.) Remove existing fire hose cabinet. Infill opening to match existing adjacent walls.

(11.)

(12.) Remove existing ceiling grid and tiles throughout entire squad bay.

(13.) Patch and repair shower walls (where pipe cover removed) with tiles to match existing. repair and patch piping holes in ceiling.

(14.) Ceiling tiles and grid, support and lighting to be partially removed to allow for installation of steel opening reinforcement.

(15.) Remove existing plaster/gyp ceiling.

(16.) Remove existing asbestos pipe insulation.

ROOF DEMOLITION NOTES

Roof

Mechanical Contractor Demolition

(1.) Remove Roof Mounted Exhaust Fans. Remove all exhaust ductwork and controls.

Electrical Contractor Demolition

(1.) Disconnect and remove power wiring and disconnect switches to exhaust fans. Wiring shall be completely removed back to the electrical panel. Circuit shall be left as Spare.

General Contractor Demolition

(1.) Repair and patch roof openings to match existing. Repair, patch roof to match existing.

PCE
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48-50 Newton Avenue, Woodbury NJ 08096, 856-848-0010, FAX 856-848-0081
5312-18 Ridge Avenue, Philadelphia, PA 19128, 215-508-2501, FAX 215-930-0484

CONSULTANTS

VINOKUR-PACE ENGINEERING SERVICES, INC.
135 Old York Rd. P.O.Box 2158
Jenkintown, PA. 19046
Tel.:215-885-5900 Fax:215-885-2642

US COAST GUARD
TRAINING CENTER
CAPE MAY

USCG, TRACEN CAPE MAY
1 MUNRO AVE.
CAPE MAY, NJ 08204-5092

ISSUE		
	12/16/05	AS-BUILT
MARK	DATE	DESCRIPTION

A/E PROJECT NO: _____
CAD FILE NAME: FILENAME
DESIGNED BY: CDG
DRAWN BY: CDG
EDITED BY: OPERATOR
CHECKED BY: MZ

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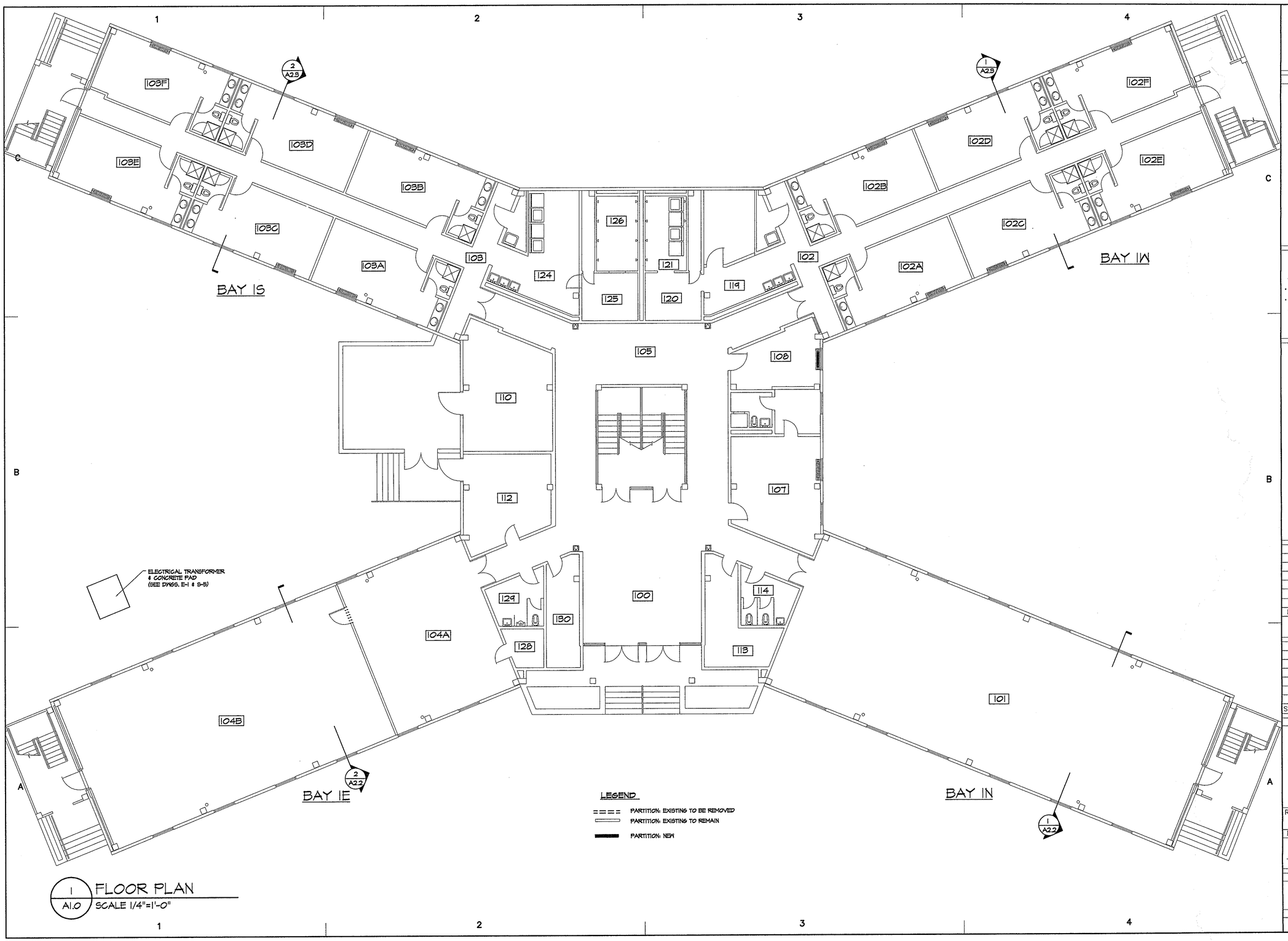
SHEET TITLE

MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261
3RD FLOOR
DEMOLITION NOTES

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
EIC	MGR	TD
PROJECT ENG.	BRANCH CHIEF	

CO — APPROVING OFFICER
15 NOV 2004 — DATE

PROJECT NUMBER	DRAWING NUMBER
T04026	T-5378-DD
DISCIPLINE/SHT NO	
D1.4	SHEET 6 OF 43



1 / A1.0 FLOOR PLAN
SCALE 1/4"=1'-0"

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CONSULTANTS

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TRAINING CENTER
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CAPE MAY, NJ 08204-5092

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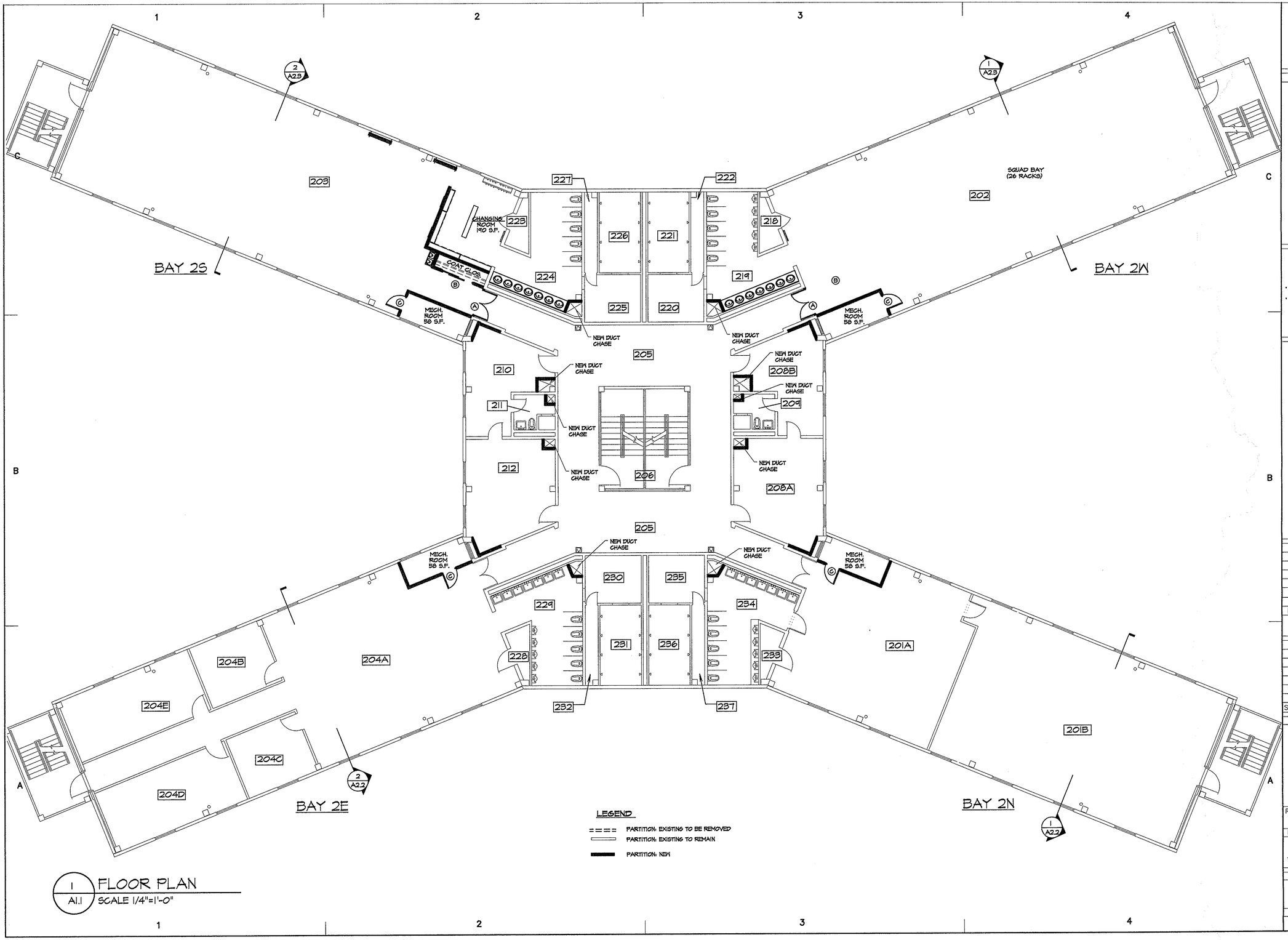
SHEET TITLE

MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261
ARCHITECTURAL
1ST FLOOR PLAN

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
EIC	MGR	TD
PROJECT ENG.	BRANCH CHIEF	

CO — APPROVING OFFICER
15 NOV 2004 — DATE

PROJECT NUMBER	DRAWING NUMBER
T04026	T-5379-AD
DISCIPLINE/SHT NO	SHEET 7 OF 43
A1.0	



1 / A1.1 FLOOR PLAN
SCALE 1/4"=1'-0"

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ISSUE		
	12/16/05	AS-BUILT
MARK	DATE	DESCRIPTION

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CAD FILE NAME:	FILENAME
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DRAWN BY:	CDG
EDITED BY:	CDG
CHECKED BY:	MZ

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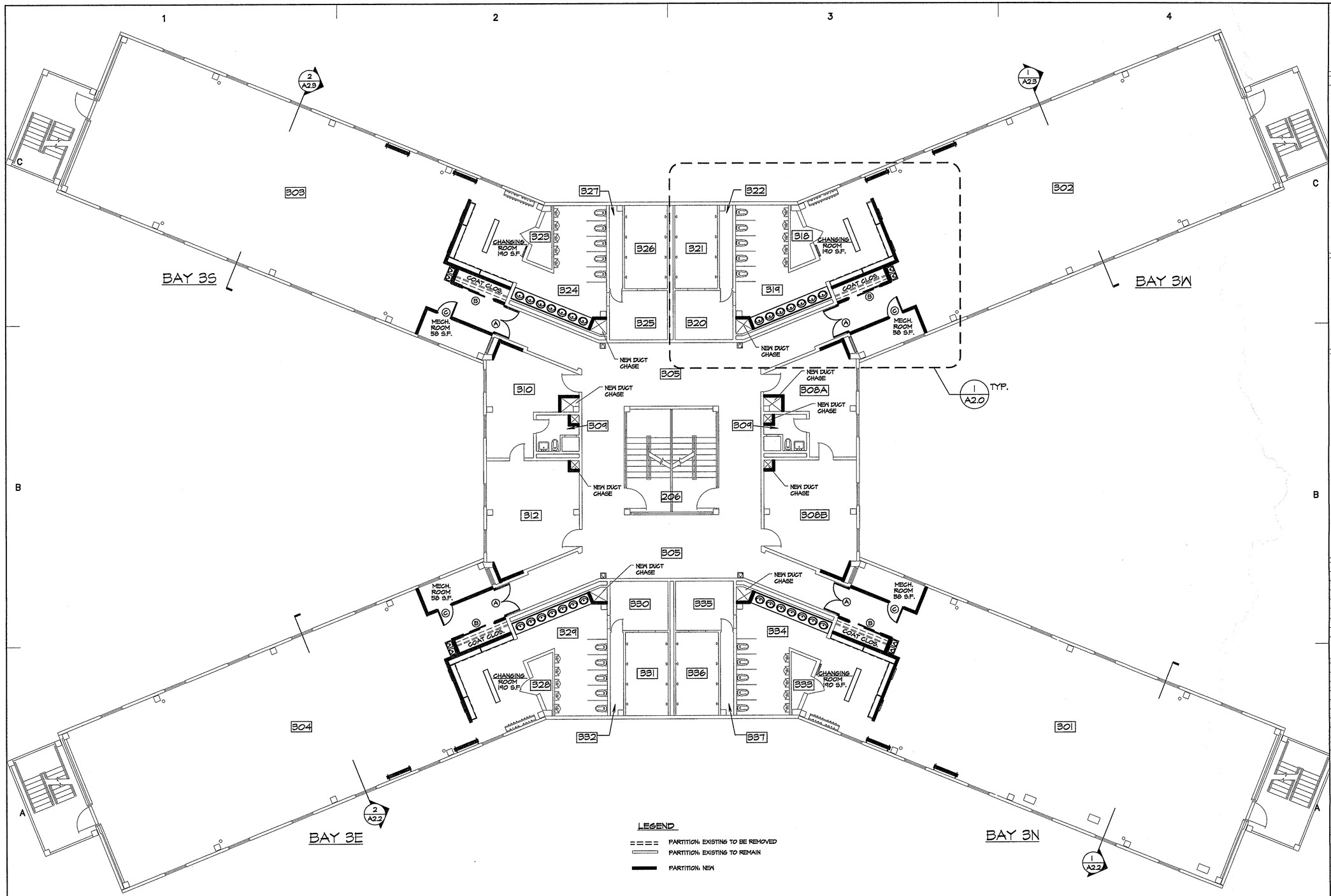
SHEET TITLE

MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261
ARCHITECTURAL
2ND FLOOR PLAN

REVIEWED BY: EIC	REVIEWED BY: MGR	REVIEWED BY: TD
PROJECT ENG.	BRANCH CHIEF	

CO — APPROVING OFFICER
15 NOV 2004 — DATE

PROJECT NUMBER	DRAWING NUMBER
T04026	T-5380-AD
DISCIPLINE/SHT NO	
A1.1	SHEET 8 OF 43



1 A1.2 FLOOR PLAN
SCALE 1/4"=1'-0"

PCE
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TRAINING CENTER
CAPE MAY

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1 MUNRO AVE.
CAPE MAY, NJ 08204-5092

ISSUE		
	12/16/05	AS-BUILT
MARK	DATE	DESCRIPTION

A/E PROJECT NO: _____
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DESIGNED BY: CDG
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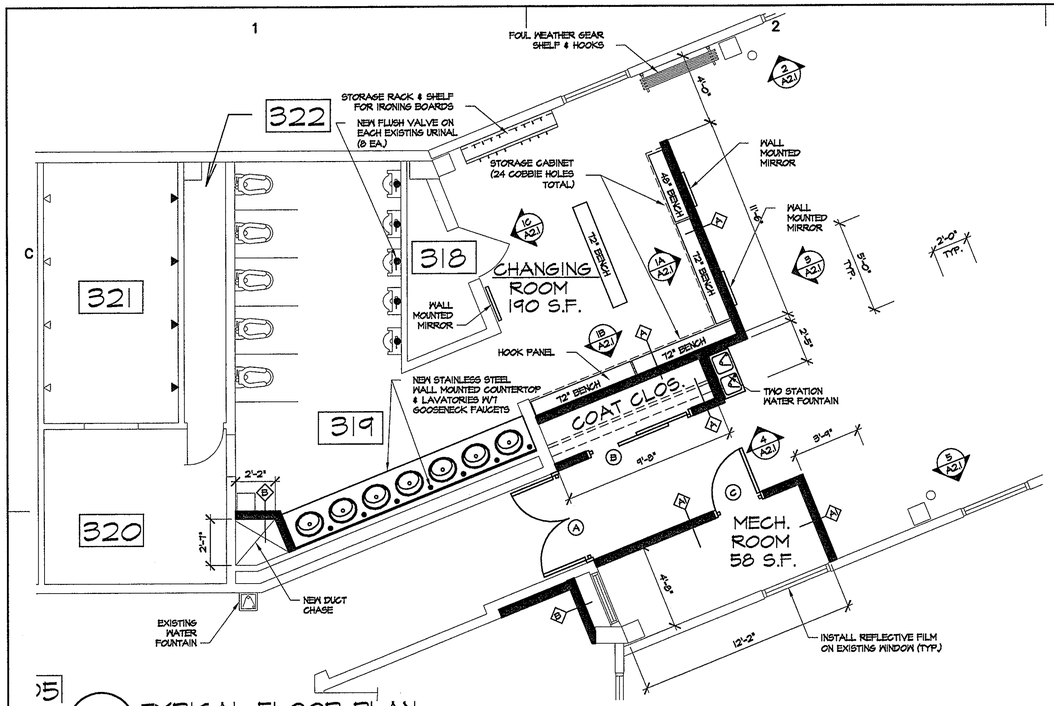
SHEET TITLE

MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261
ARCHITECTURAL
3RD FLOOR PLAN

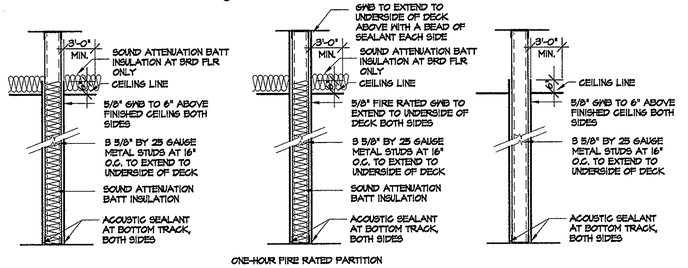
REVIEWED BY: EIC	REVIEWED BY: MGR	REVIEWED BY: TD
PROJECT ENG.	BRANCH CHIEF	

CO — APPROVING OFFICER
15 NOV 2004 — DATE

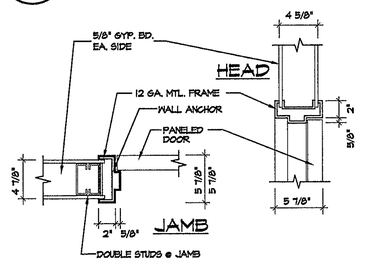
PROJECT NUMBER	DRAWING NUMBER
T04026	T-5381-AD
DISCIPLINE/SHT NO	
A1.2	SHEET 9 OF 43



1 / A2.0 TYPICAL FLOOR PLAN
SQUAD BAYS 2W, 2S, 3N, 3S, 3E, 3W
SCALE 1/4"=1'-0"



2 / A2.0 PARTITION TYPES
SCALE 1/2"=1'-0"



3 / A2.0 FRAME DETAIL
SCALE 1-1/2"=1'-0"

DOOR HARDWARE

HARDWARE SET #1 (FRP DOUBLE DOORS SQUAD BAY):

6 EA	MORTISE HINGES			
2 EA	SVR EXIT DEVICE	1827L-F X 06 LEVER	630	(ED-1) VON DUPRIN
2 EA	RIM CYLINDERS	1E74 X 6MK	626	(CY-1) BEST LOCK CORP
2 EA	DOOR CLOSERS	351-P91 (PAR. ARM MOUNT)	689	(CL-1) SARGENT CLOSERS
2 EA	KICK PLATES	8 X 29	630	(KP-1) ROCKWOOD MFG
2 EA	WALL BUMPERS	409	630	(ST-1) ROCKWOOD MFG
2 EA	DOOR SILENCERS	3446	GRAY	(SI-1) CONSTRUCTION
1 EA	METAL BUMPER			

G.C.: EXISTING FRAME TO REMAIN. G.C. TO PROVIDE EXISTING FRAME MEASUREMENTS FOR NEW FRP DOORS. CUTTING, PATCHING, AND REPAIRING OF EXISTING MATERIALS BY G.C.

HARDWARE SET #2 (COAT CLOSET SLIDING DOOR):

2 EA	FLUSH PULLS	94	630	(PP-1) ROCKWOOD MFG
1 SET	SLIDING DR. HDW	BFG1350-00-72	600	(OT-1) STANLEY

HARDWARE SET #3 (MECHANICAL ROOM):

3 EA	BUTT HINGES	TA2714 - 4 1/2 X 4 1/2"	652	(HI-1) MCKINNEY
2 EA	STOREROOM LOCKS	45H7D9D X 58 X 6MK	626	(LO-1) BEST LOCK CORP
2 EA	KICK PLATES	8 X 34	630	(KP-2) ROCKWOOD MFG
2 EA	WALL BUMPERS	409	630	(ST-1) ROCKWOOD MFG
3 EA	DOOR SILENCERS	3446	GRAY	(SI-1) CONSTRUCTION

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO ALL CITY, COUNTY, STATE, FEDERAL AND OTHER REGULATORY CODES, LAWS AND STANDARDS. ALL DISCREPANCIES AND VARIATIONS, OR OMISSIONS IN THE CONTRACT DOCUMENTS SHALL BE REPORTED PROMPTLY TO THE ARCHITECT.
2. THE CONTRACTOR SHALL INSPECT THE JOB SITE PRIOR TO THE START OF WORK. VERIFY ALL SITE CONDITIONS, DIMENSIONS, QUANTITIES, BUILDING RULES AND OTHER LIMITATIONS. NO SUBSEQUENT EXTRAS WILL BE ALLOWED FOR ANY CLAIM DUE TO LACK OF KNOWLEDGE OF DISCERNIBLE CONDITIONS.
3. THE CONTRACTOR SHALL SECURE THE PROJECT AREA FROM NON-CONSTRUCTION PERSONNEL.
4. PROTECT ALL WORK, NEW AND EXISTING, FROM UNDUE EXPOSURE TO WEATHER CONDITIONS.
5. DIMENSIONS ARE GIVEN AS GUIDES TO ESTABLISH THE LAYOUT WHICH IS BASED ON THE GIVEN CONFIGURATION AND FEATURES OF THE EXISTING STRUCTURE. THE CONTRACTOR SHALL ASSURE PROPER FIT OF THE NEW WORK WITH PROPER RELATIONSHIP TO THE EXISTING FEATURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMING ALL DIMENSIONS BEFORE ORDERING EQUIPMENT AND MILLWORK.
6. DO NOT SCALE DRAWINGS; DIMENSIONS SHALL GOVERN. DETAILS SHALL GOVERN OVER PLANS AND ELEVATIONS.
7. AT THE COMPLETION OF THE WORK, CLEAN ALL SIGHT-EXPOSED SURFACES, AND LEAVE PROJECT CLEAN AND READY FOR OCCUPANCY. EMPLOY EXPERIENCED WORKMEN OR PROFESSIONAL CLEANERS FOR FINAL CLEANING. REMOVE GREASE, DUST, DIRT, STAINS, LABELS (EXCEPT ON RATED DOORS), FINGERPRINTS AND OTHER FOREIGN MATERIALS FROM SIGHT-EXPOSED SURFACES. POLISH, PATCH AND TOUCH-UP MARRED SURFACES TO SPECIFIED FINISH. CLEAN MECHANICAL EQUIPMENT, DUCTWORK AND REPLACE FILTERS. CLEAN ELECTRICAL WORK INCLUDING LIGHT FIXTURES.
8. SEE REFLECTED CEILING PLAN FOR LOCATION OF SOFFITS AND REFERENCES TO CEILING DETAILS.

WALL AND CEILING FINISH NOTES

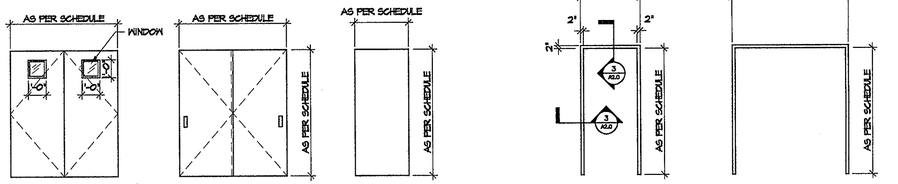
1. ALL WALLS SHALL BE PROPERLY PREPARED (SPACKLED, SANDED, AND FILLED) BY THE CONTRACTOR FOR PAINTING AS PER MANUFACTURER'S SPECIFICATIONS.
2. ALL PAINTS SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS FOR THE PARTICULAR SURFACE.
3. SAMPLES OF ALL FINISHES SPECIFIED SHALL BE SUBMITTED IN DUPLICATE TO THE ARCHITECT PRIOR TO COMMENCEMENT OF THE WORK.
4. FINISHING AT GWB TO BE ONE COAT OF INTERIOR LATEX BASE PRIMER COAT AND MINIMUM TWO COATS OF INTERIOR LATEX PAINT. PRIME COAT TO BE TINTED SIMILAR TO FINISH COAT. PROVIDE ADDITIONAL COATS AS REQUIRED TO PROVIDE COLOR AND FINISH UNIFORMITY THROUGHOUT. PRIME ALL WALLS TO RECEIVE WALL COVERING.
5. FINISH PAINTED WALLS WITH EGG SHELL FINISH.
6. FINISHING AT PAINTED DOORS, FRAMES, AND OTHER METAL TRIM SCHEDULE TO BE PAINTED TO BE ONE COAT OF INTERIOR UNDERCOAT AND TWO COATS OF ODORLESS INTERIOR ALKYD SEMI-GLOSS ENAMEL. PROVIDE ADDITIONAL PRIMER COATS AS REQUIRED TO CONCEAL EXISTING FINISHES. PAINT AIR GRILLES, ACCESS PANELS, ETC., SET INTO WALL OR CEILING, COLOR TO MATCH ADJACENT SURFACE.
7. FOR FINISH OF ALL DOORS AND FRAMES REFER TO DOOR SCHEDULE ON SHEET A2.0.
8. REFER TO ELEVATIONS, DETAILS AND SCHEDULES FOR ADDITIONAL INFORMATION REGARDING LOCATION OF WALL FINISHES AND FOR SPECIFIC WALL FINISH DESCRIPTIONS.
9. LOCKING CLIPS ARE REQUIRED FOR ALL CEILING TILES INSTALLED IN SQUAD BAYS, CHANGING ROOMS AND BATHROOMS.

DOOR SCHEDULE

DOOR NO.	DESCRIPTION	DOOR NOMINAL SIZE WIDTH	HT.	THICK.	MAT.	TYPE	FINISH	HARDW. SET#	RATING	FRAME MAT.	FRAME TYPE	REMARKS
201C	MECHANICAL ROOM (ROOM 201A)	3'-0"	6'-8"	1-3/4"	HM	E-3	PTD	3	-	HM	F-1	
202A	SQUAD BAY	-	-	-	-	-	-	-	-	-	-	EXISTING DOORS TO REMAIN
202B	CLOSET	(2) 3'-0"	6'-8"	1-3/8"	HCW	E-2	PTD	2	-	WD	F-2	
202C	MECHANICAL ROOM	3'-0"	6'-8"	1-3/4"	HM	E-3	PTD	3	-	HM	F-1	
203A	SQUAD BAY	(2) 2'-6"	6'-8"	1-3/8"	HM	E-1	FACT	1	1 HR	-	-	INSTALL ON EXISTING FRAME
203B	CLOSET	(2) 3'-0"	6'-8"	1-3/8"	HCW	E-2	PTD	2	-	WD	F-2	
203C	MECHANICAL ROOM	3'-0"	6'-8"	1-3/4"	HM	E-3	PTD	3	-	HM	F-1	
204C	MECHANICAL ROOM (ROOM 204A)	3'-0"	6'-8"	1-3/4"	HM	E-3	PTD	3	-	HM	F-1	
301A	SQUAD BAY	(2) 2'-6"	6'-8"	1-3/8"	HM	E-1	FACT	1	1 HR	-	-	INSTALL ON EXISTING FRAME
301B	CLOSET	(2) 3'-0"	6'-8"	1-3/8"	HCW	E-2	PTD	2	-	WD	F-2	
301C	MECHANICAL ROOM	3'-0"	6'-8"	1-3/4"	HM	E-3	PTD	3	-	HM	F-1	
302A	SQUAD BAY	(2) 2'-6"	6'-8"	1-3/8"	HM	E-1	FACT	1	1 HR	-	-	INSTALL ON EXISTING FRAME
302B	CLOSET	(2) 3'-0"	6'-8"	1-3/8"	HCW	E-2	PTD	2	-	WD	F-2	
302C	MECHANICAL ROOM	3'-0"	6'-8"	1-3/4"	HM	E-3	PTD	3	-	HM	F-1	
303A	SQUAD BAY	(2) 2'-6"	6'-8"	1-3/8"	HM	E-1	FACT	1	1 HR	-	-	INSTALL ON EXISTING FRAME
303B	CLOSET	(2) 3'-0"	6'-8"	1-3/8"	HCW	E-2	PTD	2	-	WD	F-2	
303C	MECHANICAL ROOM	3'-0"	6'-8"	1-3/4"	HM	E-3	PTD	3	-	HM	F-1	
304A	SQUAD BAY	(2) 2'-6"	6'-8"	1-3/8"	HM	E-1	FACT	1	1 HR	-	-	INSTALL ON EXISTING FRAME
304B	CLOSET	(2) 3'-0"	6'-8"	1-3/8"	HCW	E-2	PTD	2	-	WD	F-2	
304C	MECHANICAL ROOM	3'-0"	6'-8"	1-3/4"	HM	E-3	PTD	3	-	HM	F-1	

FINISH SCHEDULE

NO.	ROOM NAME	FLOOR CODE	BASE CODE	WALLS CODE	CEILING CODE	CEILING HGT.	REMARKS
202	SQUAD BAY 2W	-	VB-1	P-1	ACT-1	8'-0"	EXISTING VCT FLOOR
219A	CHANGING ROOM	EPX-1	VB-1	P-1	ACT-1	7'-4"	
203	SQUAD BAY 2S	-	VB-1	P-1	ACT-1	8'-0"	EXISTING VCT FLOOR
224A	CHANGING ROOM	EPX-1	VB-1	P-1	ACT-1	7'-4"	
301	SQUAD BAY 3N	EPX-1	VB-1	P-1	ACT-1	8'-0"	
334A	CHANGING ROOM	EPX-1	VB-1	P-1	ACT-1	7'-4"	
302	SQUAD BAY 3S	EPX-1	VB-1	P-1	ACT-1	8'-0"	
319A	CHANGING ROOM	EPX-1	VB-1	P-1	ACT-1	7'-4"	
303	SQUAD BAY 3E	EPX-1	VB-1	P-1	ACT-1	8'-0"	
324A	CHANGING ROOM	EPX-1	VB-1	P-1	ACT-1	7'-4"	
304	SQUAD BAY 3W	EPX-1	VB-1	P-1	ACT-1	8'-0"	
321A	CHANGING ROOM	EPX-1	VB-1	P-1	ACT-1	7'-4"	



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CAPE MAY, NJ 08204-5092

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CAD FILE NAME: FILENAME
DESIGNED BY: CDG
DRAWN BY: CDG
EDITED BY: CDG
CHECKED BY: MZ

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

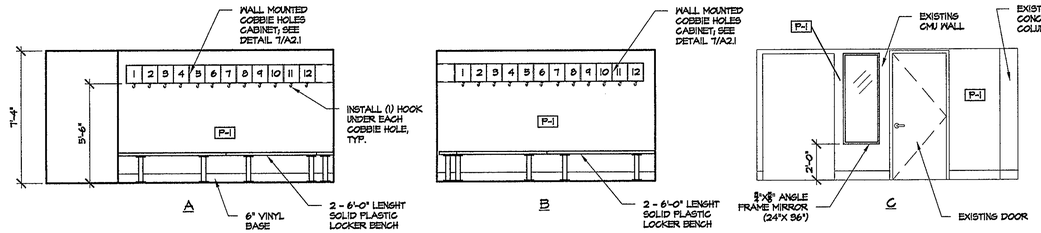
SHEET TITLE

MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261
ARCHITECTURAL
TYPICAL FLOOR PLAN

REVIEWED BY: EIC	REVIEWED BY: MGR	REVIEWED BY: TD
PROJECT ENG.	BRANCH CHIEF	

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15 NOV 2004 — DATE

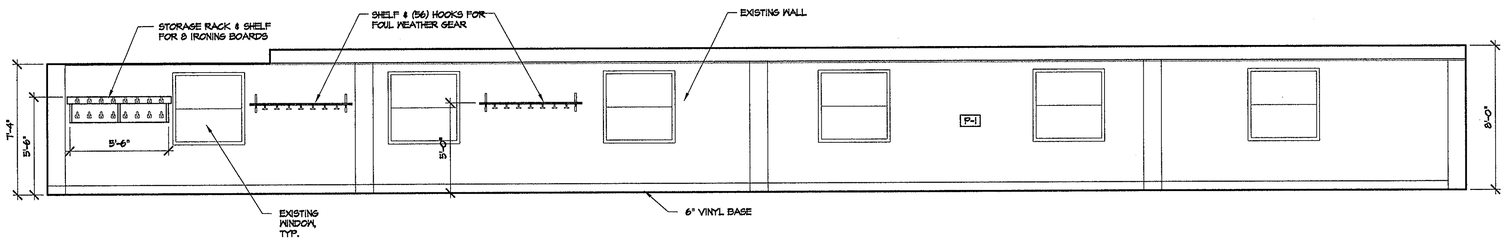
PROJECT NUMBER	DRAWING NUMBER
T04026	T-5382-AD
DISCIPLINE/SHT NO	
A2.0	SHEET 10 OF 43



1 A2.1 INTERIOR ELEVATIONS - CHANGING ROOM

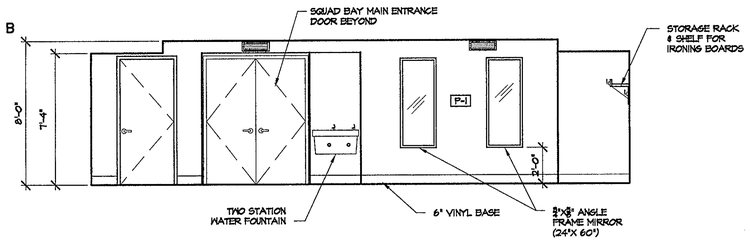
SCALE 1/4"=1'-0"

ACCESSORY SCHEDULE				
IDENT.	ITEM (USE)	MANUF. / MODEL #	DESCRIPTION	MOUNTING
A	Locker Room bench (48" & 60" Length)	Santana	1-3/8" HDPE, 9-1/2" wide, supported by 2" thick aluminum legs	Bolted to floor
B	Angle Frame Mirror (24"X60")	A.S.I. 0600 Series	3/4" x 3/8" Roll formed, 18 gauge, Type 304 stainless steel angle	Surface mtd. on concealed bracket
C	Foul Weather Gear Rack	EMCO Specialty Products #41	1-1/2" dia. , 18 gauge satin stainless steel w/ concealed mtg. flange	Surface mtd.
D	Lavatory Protective Enclosure	Truebro Lavshield	Molded ridged vinyl, high impact, stain resistant	



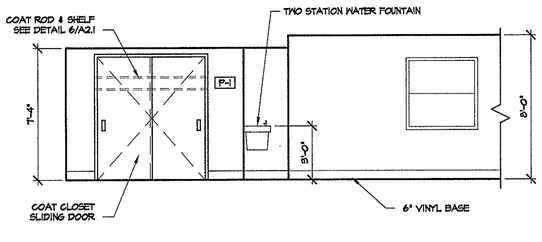
2 A2.1 INTERIOR ELEVATIONS - SQUAD BAY

SCALE 1/4"=1'-0"



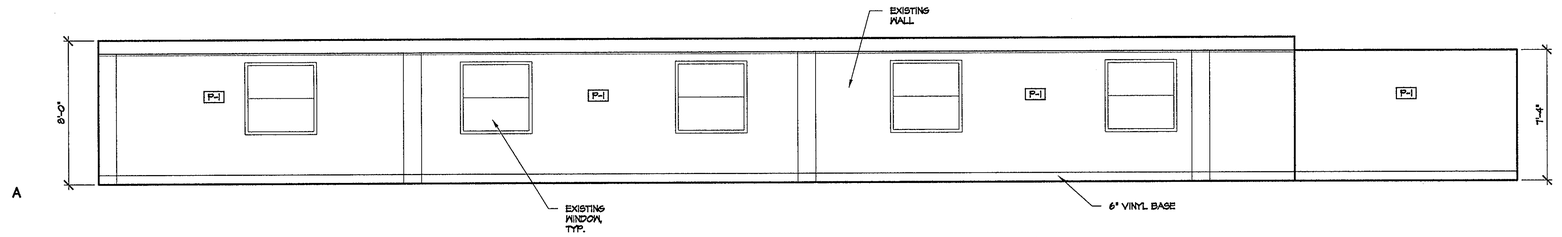
3 A2.1 INTERIOR ELEVATIONS - SQUAD BAY

SCALE 1/4"=1'-0"



4 A2.1 INTERIOR ELEVATIONS

SCALE 1/4"=1'-0"



5 A2.1 INTERIOR ELEVATIONS - SQUAD BAY

SCALE 1/4"=1'-0"

FINISH LEGEND

FLOOR

EPX-1
MANUF: AMERICAN HIGH TECH
STYLE: PHOENIX ONE STEP SEAMLESS
COLOR: BY OWNER

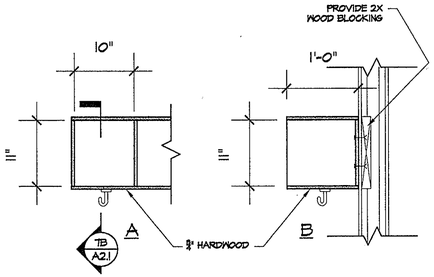
VB-1 VINYL COVE BASE
MANUF: ROPPE
COLOR: BLACK
SIZE: 6" X 1/8"

WALLS

P-1
MANUF: GENERAL PAINT
STYLE: BENJAMIN MOORE PAINTS
COLOR: BY OWNER

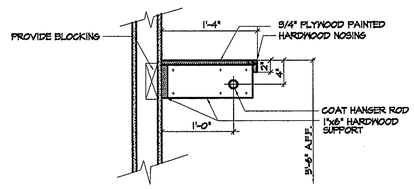
CEILING

ACT-1
MANUF: ARMSTRONG
STYLE: FISSURED MINABOARD #755
COLOR: WHITE
SIZE: 24" X 24" X 5/8"



7 A2.1 WALL CABINET DETAIL

SCALE 1/4"=1'-0"



6 A2.1 COAT ROD & SHELF

SCALE 1/4"=1'-0"

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CAD FILE NAME:	FILENAME
DESIGNED BY:	CDG
DRAWN BY:	CDG
EDITED BY:	CDG
CHECKED BY:	MZ
SCALE: 1/8"=1'-0"	PLOT SCALE:

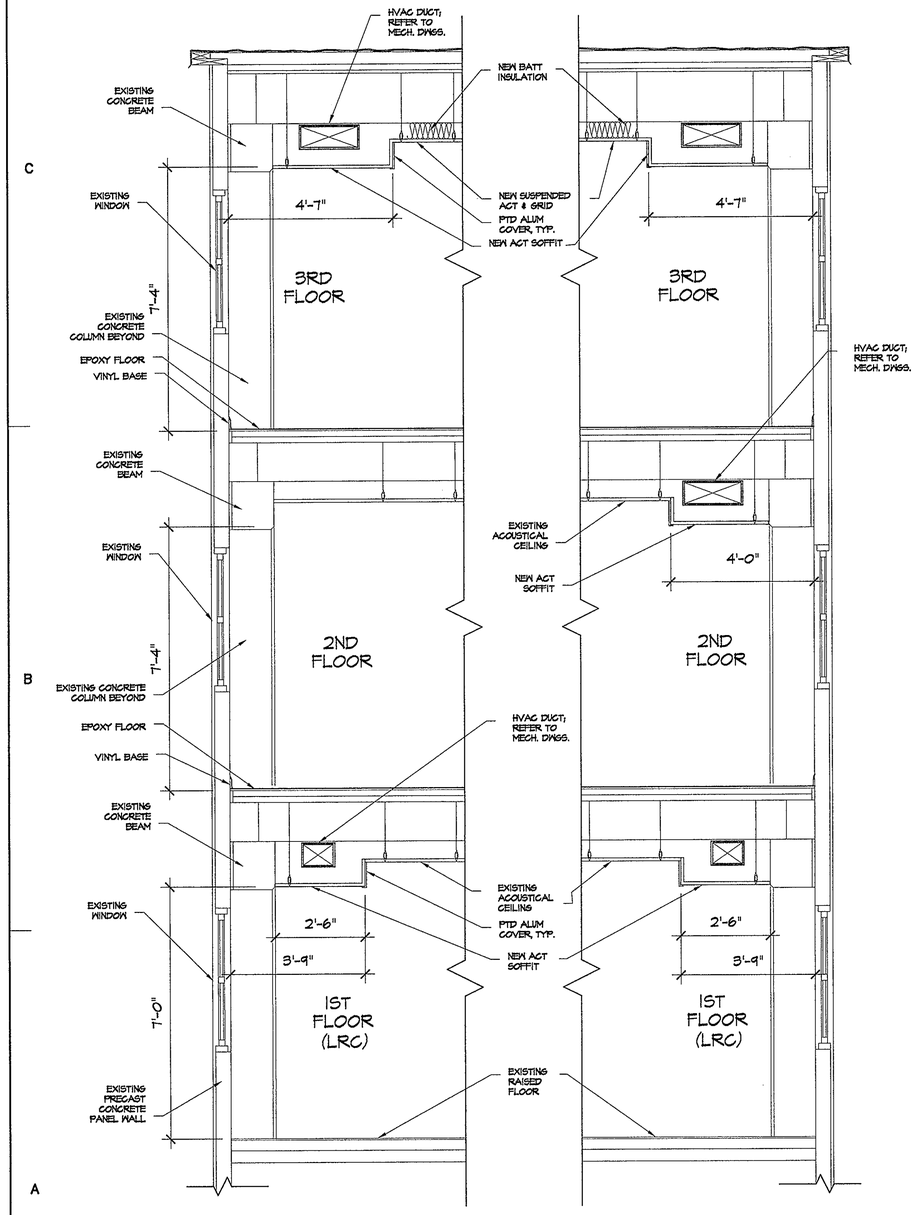
SHEET TITLE

MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261
ARCHITECTURAL
INTERIOR ELEVATIONS

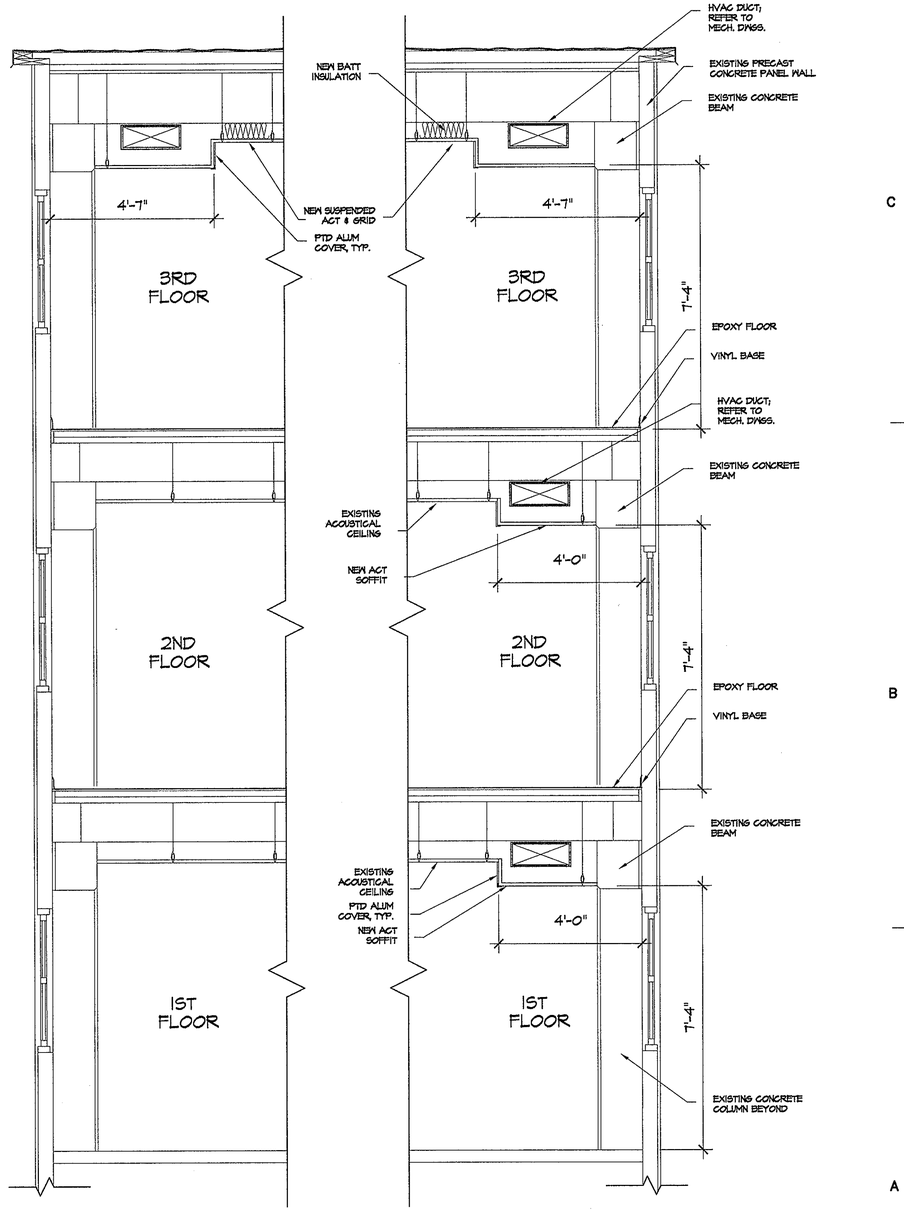
REVIEWED BY: EIC	REVIEWED BY: MGR	REVIEWED BY: TD
PROJECT ENG.	BRANCH CHIEF	

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15 NOV 2004 — DATE

PROJECT NUMBER	DRAWING NUMBER
T04026	T-5383-AD
DISCIPLINE/SHT NO	
A2.1	SHEET 11 OF 43



1 / A2.2 TYPICAL WALL SECTION
SQUAD BAYS 1N, 2N, 3N
SCALE 1/2"=1'-0"



2 / A2.2 TYPICAL WALL SECTION
SQUAD BAYS 1E, 2E, 3E
SCALE 1/2"=1'-0"

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

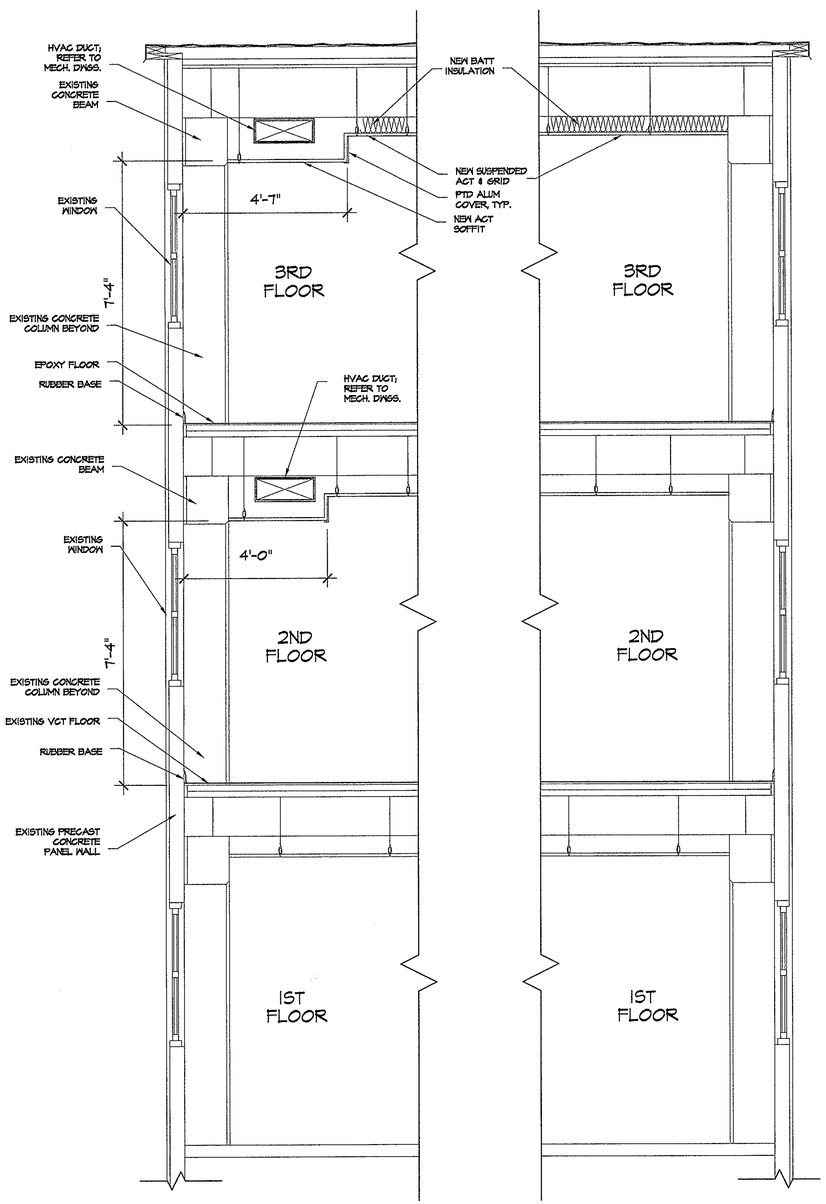
SHEET TITLE

MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261
ARCHITECTURAL
WALL SECTIONS & DETAILS

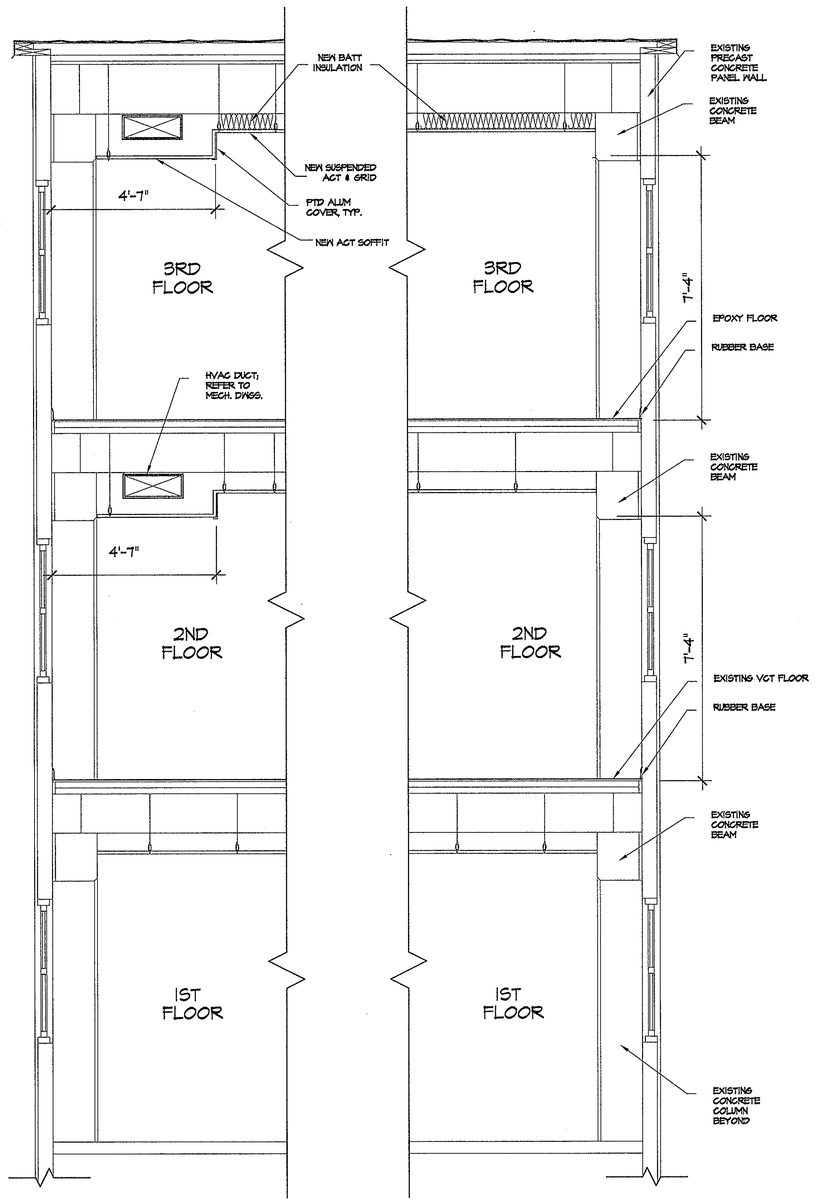
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PROJECT ENG.	BRANCH CHIEF	

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PROJECT NUMBER	DRAWING NUMBER
T04026	T-5384-AD
DISCIPLINE/SHT NO	
A2.2	SHEET 12 OF 43



1 / A2.3 TYPICAL WALL SECTION
SQUAD BAYS 1W, 2W, 3W
SCALE 1/2"=1'-0"



2 / A2.3 TYPICAL WALL SECTION
SQUAD BAYS 1S, 2S, 3S
SCALE 1/2"=1'-0"

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

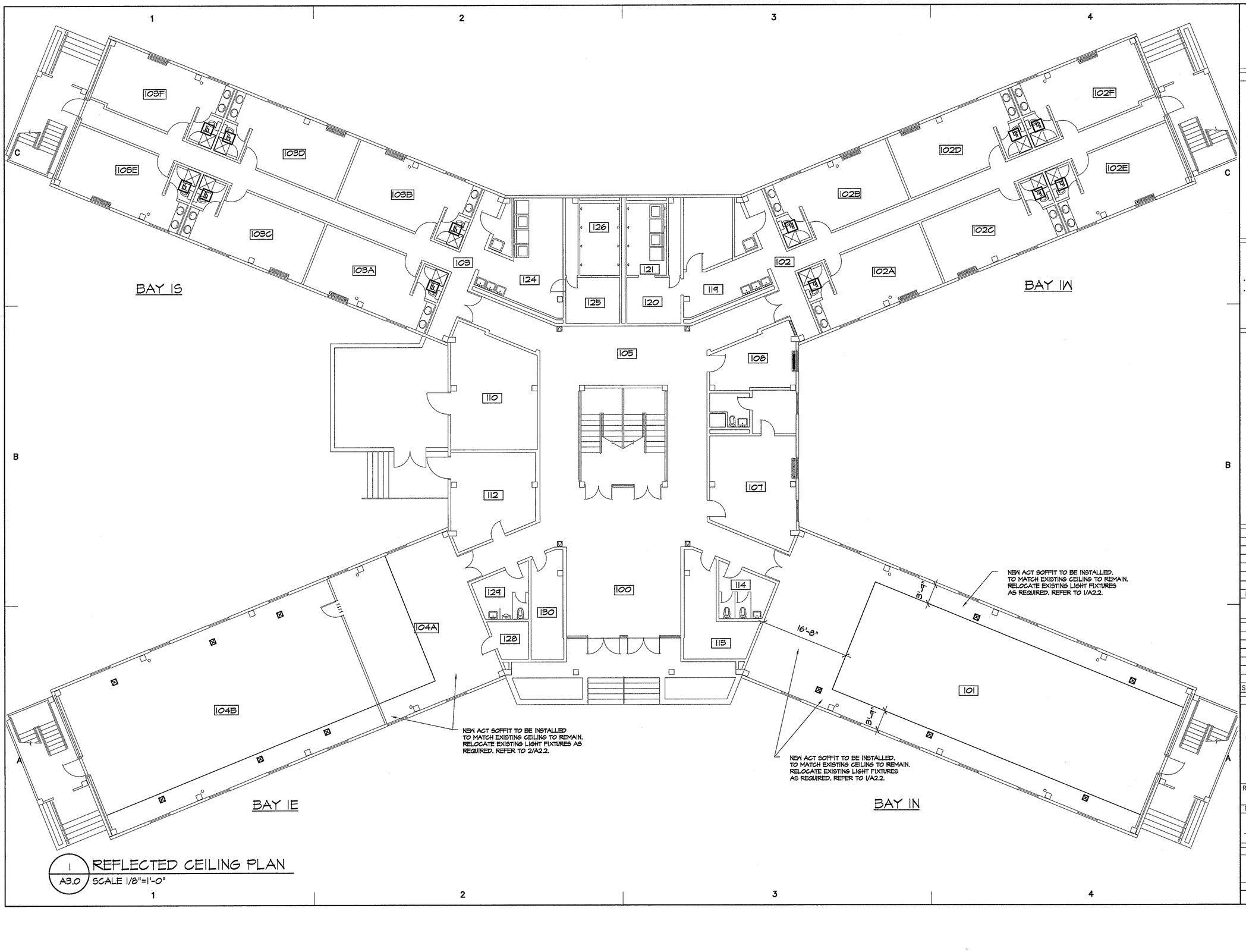
SHEET TITLE

MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261
ARCHITECTURAL
WALL SECTIONS & DETAILS

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PROJECT ENG.	BRANCH CHIEF	

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PROJECT NUMBER	DRAWING NUMBER
T04026	T-5385-AD
DISCIPLINE/SHT NO	
A2.3	SHEET 13 OF 43



1 / A3.0 REFLECTED CEILING PLAN
SCALE 1/8"=1'-0"

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CAD FILE NAME:	FILENAME
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CHECKED BY:	MZ

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

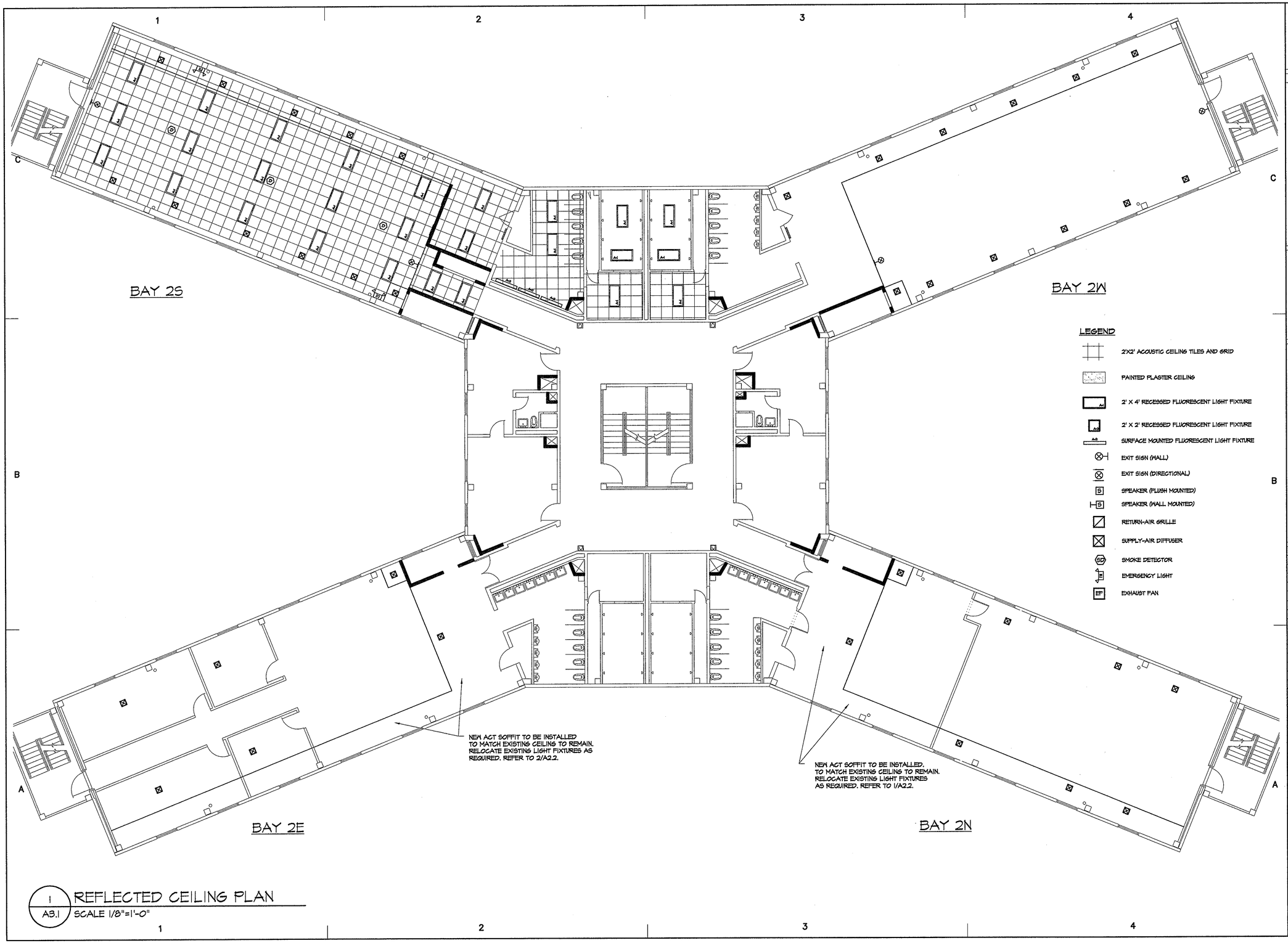
SHEET TITLE

MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261
1ST FLOOR
REFLECTED CEILING PLAN

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PROJECT ENG.	BRANCH CHIEF	

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15 NOV 2004 — DATE

PROJECT NUMBER	DRAWING NUMBER
T04026	T-5386-AD
DISCIPLINE/SHT NO	
A3.0	SHEET 14 OF 43



1 / A3.1 REFLECTED CEILING PLAN
SCALE 1/8"=1'-0"

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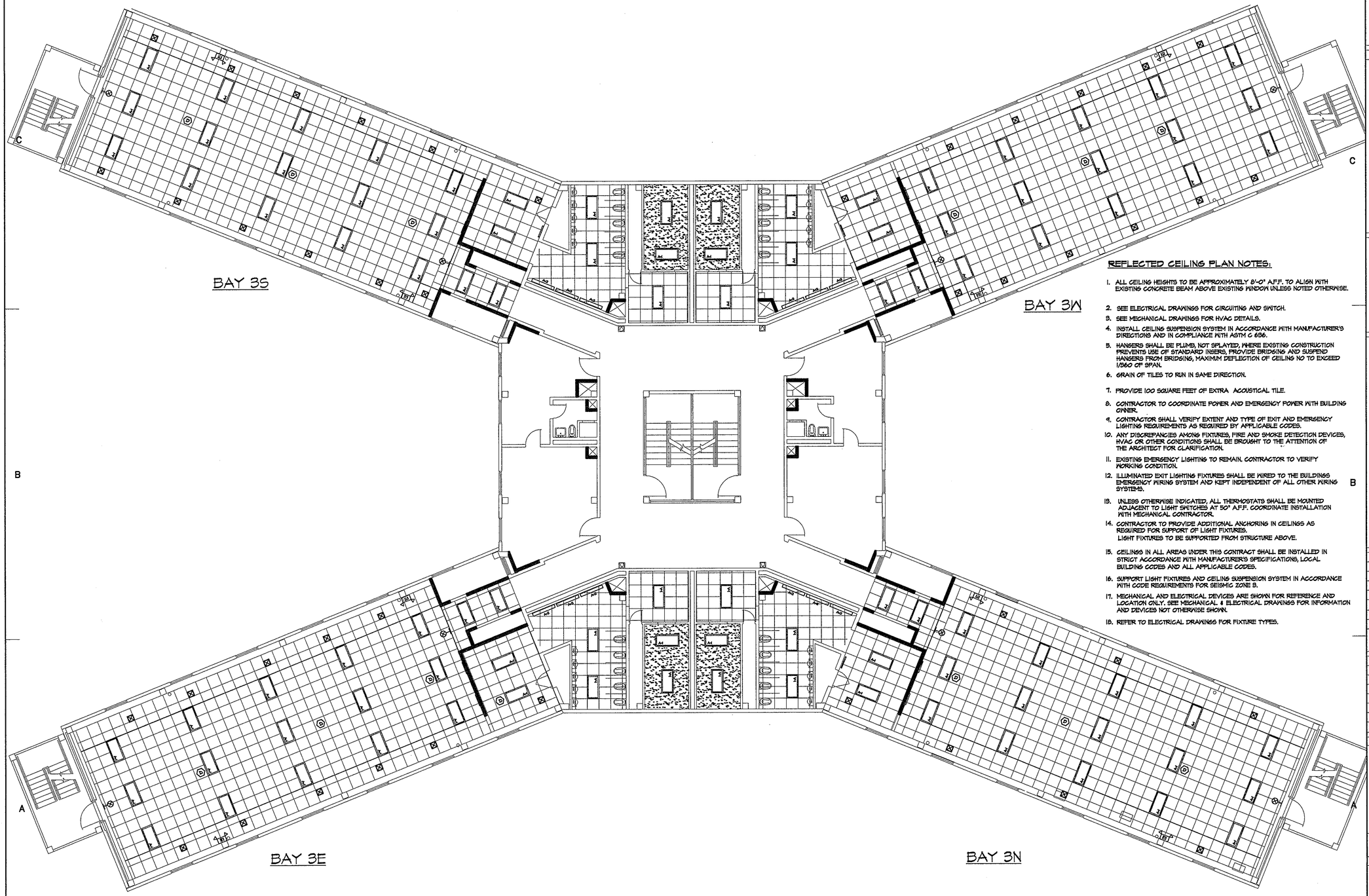
SHEET TITLE

MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261
2ND FLOOR
REFLECTED CEILING PLAN

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15 NOV 2004 — DATE

PROJECT NUMBER	DRAWING NUMBER
T04026	T-5387-AD
DISCIPLINE/SHT NO	
A3.1	SHEET 15 OF 43



REFLECTED CEILING PLAN NOTES:

1. ALL CEILING HEIGHTS TO BE APPROXIMATELY 8'-0" A.F.F. TO ALIGN WITH EXISTING CONCRETE BEAM ABOVE EXISTING WINDOW UNLESS NOTED OTHERWISE.
2. SEE ELECTRICAL DRAWINGS FOR CIRCUITING AND SWITCH.
3. SEE MECHANICAL DRAWINGS FOR HVAC DETAILS.
4. INSTALL CEILING SUSPENSION SYSTEM IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS AND IN COMPLIANCE WITH ASTM C 636.
5. HANGERS SHALL BE PLUMB, NOT SPLAYED, WHERE EXISTING CONSTRUCTION PREVENTS USE OF STANDARD INSERS, PROVIDE BRIDGING AND SUSPEND HANGERS FROM BRIDGING, MAXIMUM DEFLECTION OF CEILING NO TO EXCEED 1/360 OF SPAN.
6. GRAIN OF TILES TO RUN IN SAME DIRECTION.
7. PROVIDE 100 SQUARE FEET OF EXTRA ACOUSTICAL TILE.
8. CONTRACTOR TO COORDINATE POWER AND EMERGENCY POWER WITH BUILDING OWNER.
9. CONTRACTOR SHALL VERIFY EXTENT AND TYPE OF EXIT AND EMERGENCY LIGHTING REQUIREMENTS AS REQUIRED BY APPLICABLE CODES.
10. ANY DISCREPANCIES AMONG FIXTURES, FIRE AND SMOKE DETECTION DEVICES, HVAC OR OTHER CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION.
11. EXISTING EMERGENCY LIGHTING TO REMAIN. CONTRACTOR TO VERIFY WORKING CONDITION.
12. ILLUMINATED EXIT LIGHTING FIXTURES SHALL BE WIRED TO THE BUILDINGS EMERGENCY WIRING SYSTEM AND KEPT INDEPENDENT OF ALL OTHER WIRING SYSTEMS.
13. UNLESS OTHERWISE INDICATED, ALL THERMOSTATS SHALL BE MOUNTED ADJACENT TO LIGHT SWITCHES AT 50" A.F.F. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR.
14. CONTRACTOR TO PROVIDE ADDITIONAL ANCHORING IN CEILINGS AS REQUIRED FOR SUPPORT OF LIGHT FIXTURES. LIGHT FIXTURES TO BE SUPPORTED FROM STRUCTURE ABOVE.
15. CEILINGS IN ALL AREAS UNDER THIS CONTRACT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, LOCAL BUILDING CODES AND ALL APPLICABLE CODES.
16. SUPPORT LIGHT FIXTURES AND CEILING SUSPENSION SYSTEM IN ACCORDANCE WITH CODE REQUIREMENTS FOR SEISMIC ZONE 3.
17. MECHANICAL AND ELECTRICAL DEVICES ARE SHOWN FOR REFERENCE AND LOCATION ONLY. SEE MECHANICAL & ELECTRICAL DRAWINGS FOR INFORMATION AND DEVICES NOT OTHERWISE SHOWN.
18. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES.

1 / A3.2 REFLECTED CEILING PLAN
SCALE 1/8"=1'-0"

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

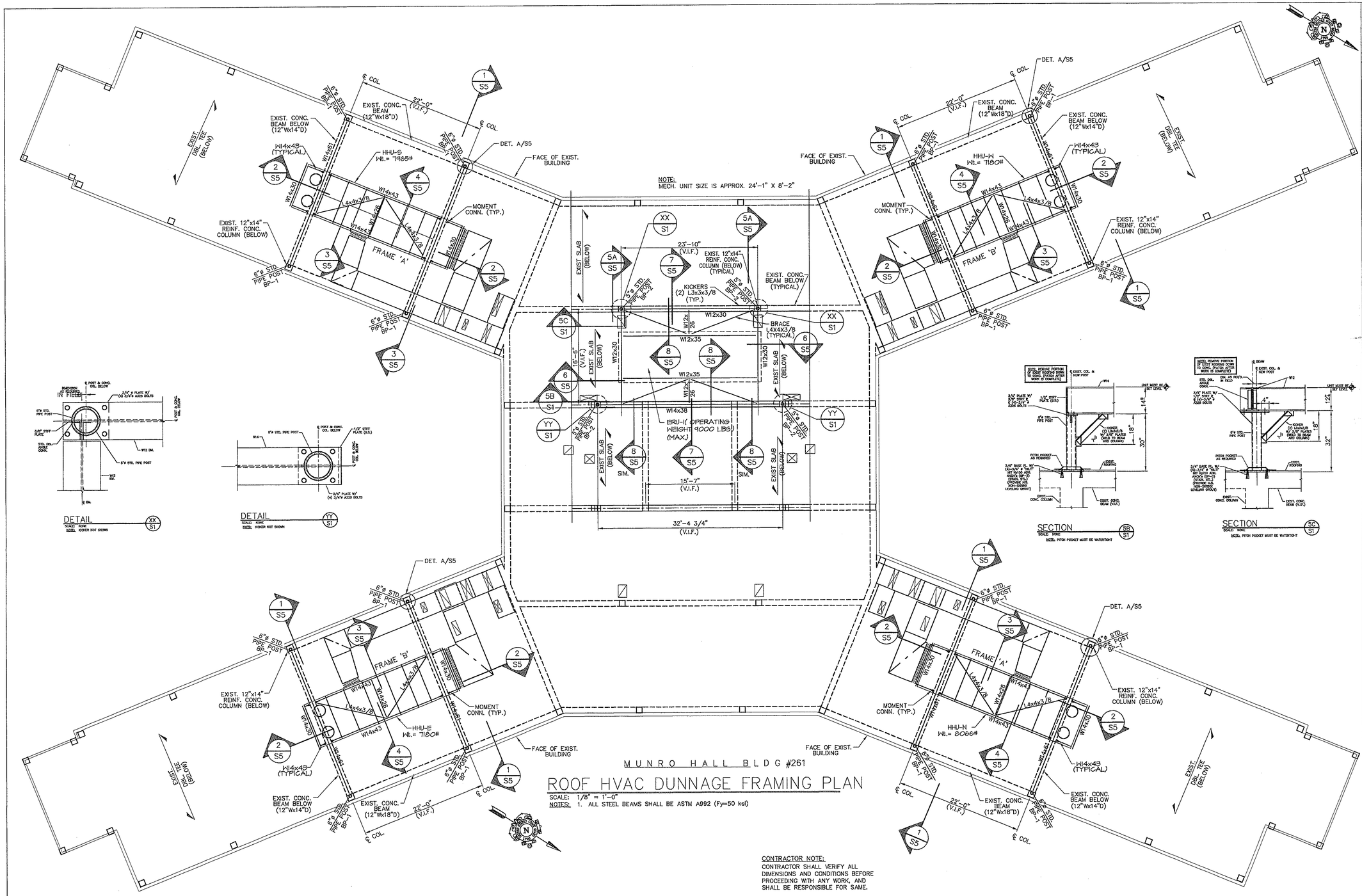
SHEET TITLE

MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261
3RD FLOOR
REFLECTED CEILING PLAN

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
EIC	MGR	TD
PROJECT ENG.	BRANCH CHIEF	

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PROJECT NUMBER	DRAWING NUMBER
T04026	T-5388-AD
DISCIPLINE/SHT NO	
A3.2	SHEET 16 OF 43



DETAIL XX S1
SCALE: NONE
NOTE: KICKER NOT SHOWN

DETAIL YY S1
SCALE: NONE
NOTE: KICKER NOT SHOWN

SECTION SB S1
SCALE: NONE
NOTE: PITCH POCKET MUST BE WATERTIGHT

SECTION SC S1
SCALE: NONE
NOTE: PITCH POCKET MUST BE WATERTIGHT

MUNRO HALL BLDG #261

ROOF HVAC DUNNAGE FRAMING PLAN

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

NOTES: 1. ALL STEEL BEAMS SHALL BE ASTM A992 (Fy=50 ksi)

CONTRACTOR NOTE:
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE PROCEEDING WITH ANY WORK, AND SHALL BE RESPONSIBLE FOR SAME.

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G:\DWG\Coast Guard\04204-S1

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CAPE MAY

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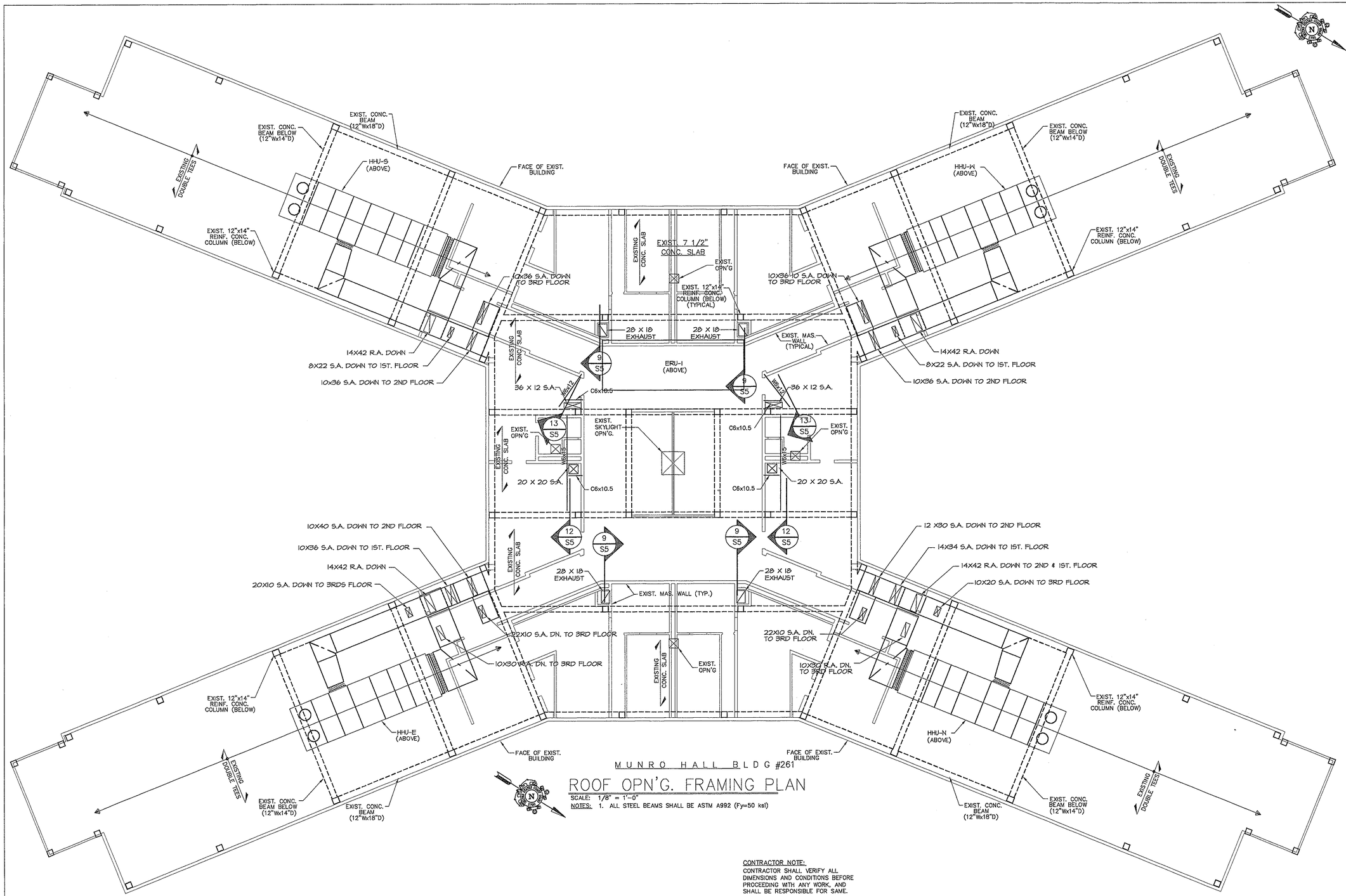
SHEET TITLE
MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261
ROOF HVAC
DUNNAGE FRAMING PLAN

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
EIC	MGR	TD
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

CO — APPROVING OFFICER
18 MAY 2005 — DATE

PROJECT NUMBER	DRAWING NUMBER
T04026	T-5389-SD
DISCIPLINE/SHT NO	
S1	SHEET 17 OF 43

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MUNRO HALL BLDG #261

ROOF OPN'G. FRAMING PLAN

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

NOTES: 1. ALL STEEL BEAMS SHALL BE ASTM A992 (Fy=50 ksi)

CONTRACTOR NOTE:
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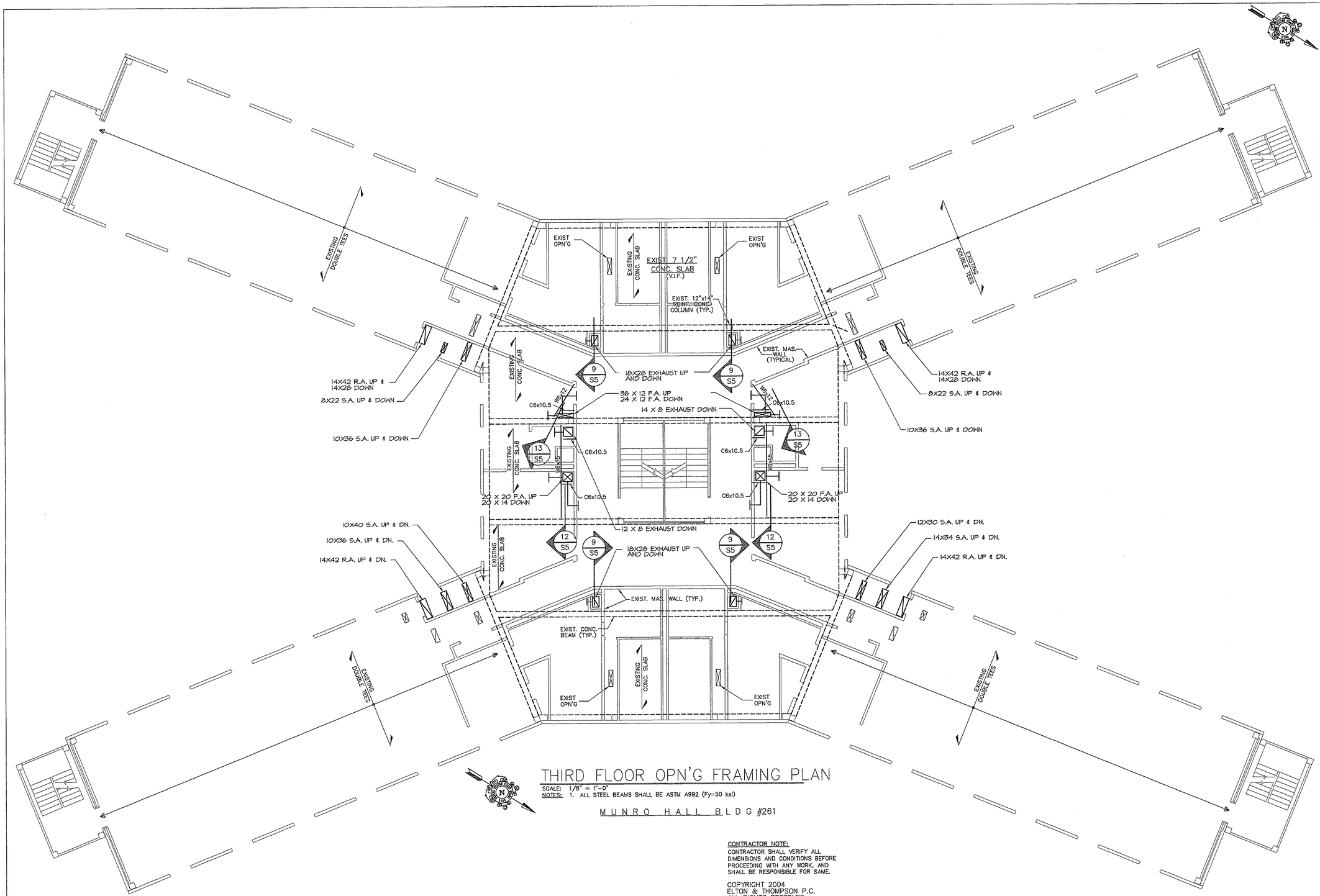
SHEET TITLE
MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261
ROOF OPN'G
FRAMING PLAN

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
EIC	MGR	TD
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

CO — APPROVING OFFICER
18 MAY 2005 — DATE

PROJECT NUMBER	DRAWING NUMBER
T04026	T-5390-SD
DISCIPLINE/SHT NO	SHEET 18 OF 43
S2	

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THIRD FLOOR OPN'G FRAMING PLAN

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

NOTES: 1. ALL STEEL BEAMS SHALL BE ASTM A992 (Fy=50 ksi)

MUNRO HALL BLDG #261

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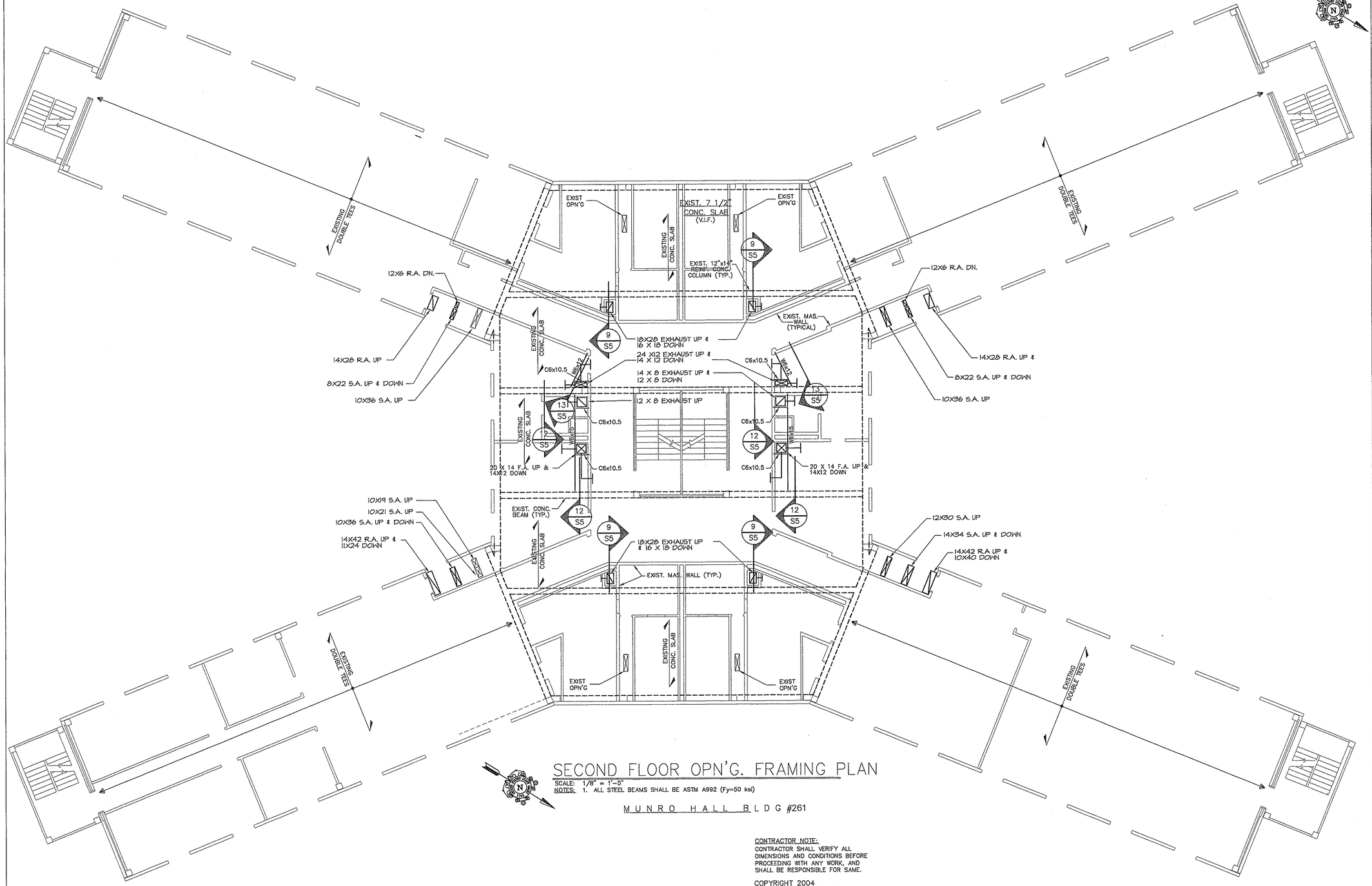
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MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261
THIRD FLOOR OPN'G FRAMING PLAN

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
EIC	MGR	TD
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

CO — APPROVING OFFICER
18 MAY 2005 — DATE

PROJECT NUMBER	DRAWING NUMBER
T04026	T-5391-SD
DISCIPLINE/SHT NO	
S3	SHEET 19 OF 43

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SECOND FLOOR OPN'G. FRAMING PLAN

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

NOTES: 1. ALL STEEL BEAMS SHALL BE ASTM A992 (Fy=50 ksi)

MUNRO HALL BLDG #261

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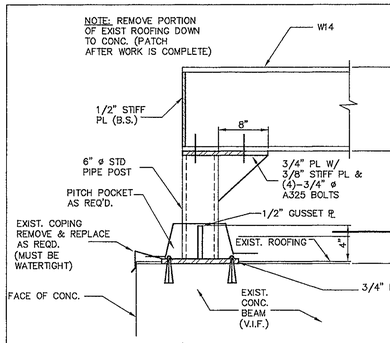
SHEET TITLE
MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261
SECOND FLOOR OPN'G
FRAMING PLAN

REVIEWED BY: EIC	REVIEWED BY: MGR	REVIEWED BY: TD
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

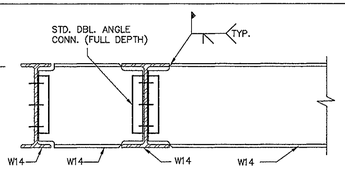
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18 MAY 2005 — DATE

PROJECT NUMBER	DRAWING NUMBER
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DISCIPLINE/SHT NO	
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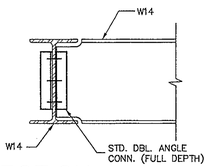
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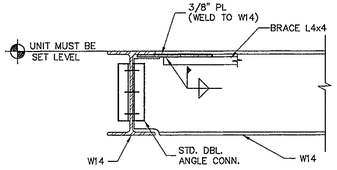
SECTION
SCALE: 1" = 1'-0"
NOTE: PITCH POCKET MUST BE WATERTIGHT
1 / S5



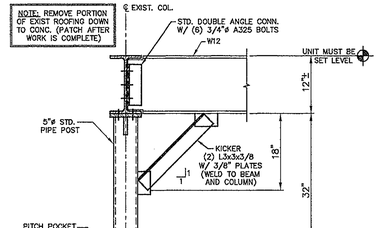
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2 / S5



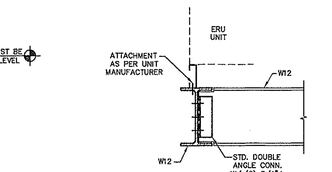
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3 / S5



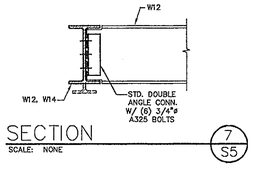
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4 / S5



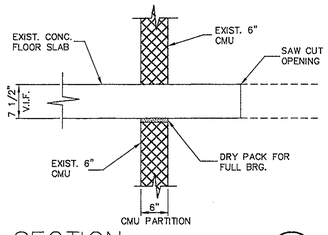
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NOTE: PITCH POCKET MUST BE WATERTIGHT
5A / S5



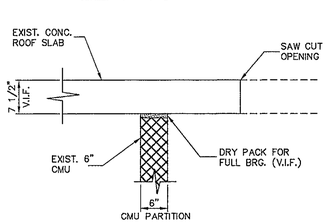
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6 / S5



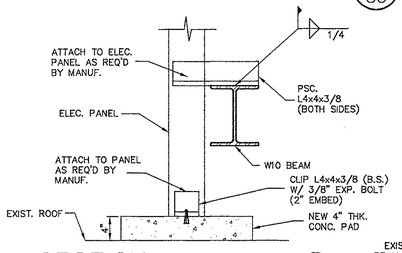
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7 / S5



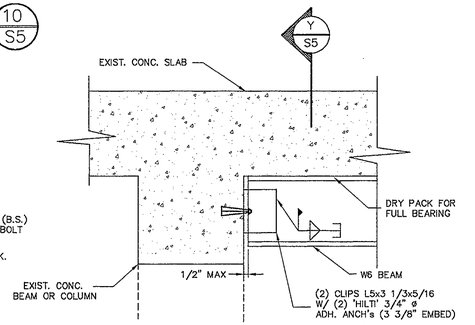
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9 / S5



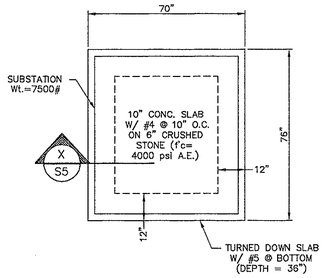
SECTION
SCALE: 1" = 1'-0"
10 / S5



SECTION
SCALE: 1" = 1'-0"
11 / S5



SECTION
SCALE: 1 1/2" = 1'-0"
12 / S5



SUBSTATION FOUNDATION PAD
SCALE: 3/8" = 1'-0"

STRUCTURAL STEEL NOTES

1. ALL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" (LATEST EDITION).
2. ALL STRUCTURAL STEEL SHALL BE ASTM A-992 (Fy = 50 KSI)
   ALL STRUCTURAL STEEL PIPE SHALL BE ASTM A-501 (Fy = 36 KSI).
3. ALL BOLTS SHALL BE ASTM A-325 HIGH STRENGTH BOLTS, BEARING TYPE. ALL BOLTS SHALL BE 3/4" DIA. MINIMUM.
4. ALL WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION. ALL WELDERS SHALL HAVE BEEN QUALIFIED BY TESTS AS PRESCRIBED IN THE A.W.S. STANDARD CODE. WELDING ELECTRODES SHALL CONFORM TO E70 SERIES, ASTM A-233.
5. ALL STEEL TO BE PROVIDED BY THE STEEL FABRICATOR, UNLESS OTHERWISE NOTED ON THE DRAWINGS. STEEL FABRICATOR SHALL FURNISH ALL CLIPS, ANGLES, PLATES, ANCHORS, ETC. AS REQUIRED TO PRODUCE A COMPLETE CONNECTION.
6. ALL ERECTION TOLERANCES AS STATED IN THE AISC SPECIFICATION MUST BE STRICTLY ADHERED TO DURING ERECTION.
7. IF THE STEEL FABRICATOR USES COPIES OF THE STRUCTURAL DRAWINGS FOR ERECTION PLANS THEN HE MUST VERIFY ALL DIMENSIONS, PROVIDE ADDITIONAL SECTIONS AND DETAILS AS REQUIRED FOR PROPER ERECTION, AND REVIEW ALL ARCHITECTURAL DRAWINGS FOR ADDITIONAL WORK REQUIRED.
8. ALL INTERIOR STEEL SHALL RECEIVE ONE SHOP COAT OF AN APPROVED PRIMER, 2 MILTHICKNESS.
9. SHOP DRAWINGS OF ALL STRUCTURAL STEEL MUST BE SUBMITTED TO THE ENGINEER PRIOR TO FABRICATION. SHOP AND ERECTION DRAWINGS MUST SHOW ALL SHOP AND FIELD WELDS.

CONCRETE & REINFORCING STEEL NOTES:

1. ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS, EXCEPT AS LISTED BELOW, OR OTHERWISE NOTED ON THE DRAWINGS.
2. ALL CONCRETE EXPOSED TO WEATHER SHALL BE AIR ENTRAINED (6%). ALL CONCRETE SHALL HAVE A MAXIMUM SLUMP OF 4".
3. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 318, AND AC1 301, AND LOCAL CODES.
4. ALL REINFORCING STEEL SHALL BE DEFORMED HIGH BOND BARS MADE OF NEW BILLET STEEL AND SHALL CONFORM TO ASTM A-615 GRADE 60 (Fy = 60 KSI).
5. REINFORCING STEEL SHALL BE DETAILED, FABRICATED, AND PLACE IN ACCORDANCE WITH THE MANUAL OF STANDARD PRACTICE FOR DETAILING ACI 315.

STEEL PROTECTIVE COATINGS: (ALL EXPOSED STEEL SURFACES)

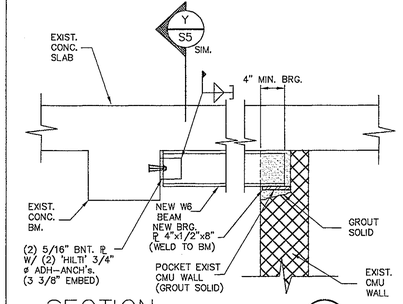
1. ALL EXPOSED STEEL SHALL BE PRIMED WITH "STEELTEC" ORGANIC ZINC RICH PRIMER MANUFACTURED BY PRATT & LAMBERT.
2. FINISH COAT TO BE APPLIED OVER THE PRIMER SHALL BE "POXY-GARD" S-35 EPOXY, AS MANUFACTURED BY PRATT & LAMBERT.
3. SURFACE PREPARATION SHALL CONFORM TO SP6 OR SP10.
4. ALL POST AND BRG. PLATES ONLY SHALL BE HOT-DIPPED GALVNIZED.

DESIGN LOADS:
ROOF LIVE LOAD=30 PSF
FLOOR LIVE LOAD=45 PSF
WIND VELOCITY=110 MPH
(WIND PRESSURE=31 PSF)

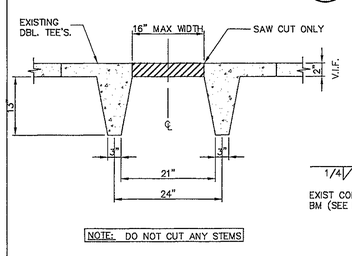
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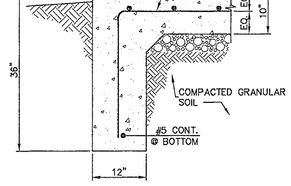


SECTION
SCALE: 1 1/2" = 1'-0"
13 / S5

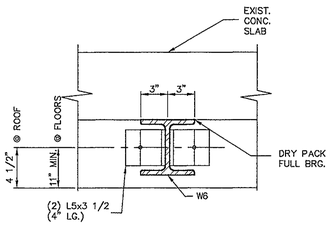


NOTE: DO NOT CUT ANY STEMS

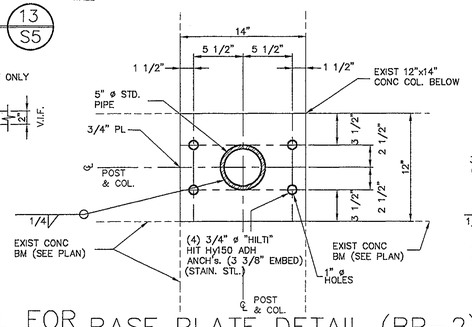
OPENING CUT DETAIL FOR ROOF & FLOOR TEES
(FOR WINGS)



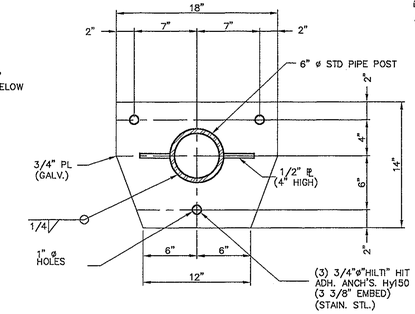
SECTION
SCALE: 3/4" = 1'-0"
X / S5



SECTION
SCALE: 1 1/2" = 1'-0"
Y / S5

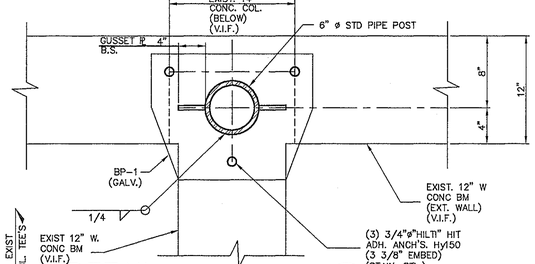


BASE PLATE DETAIL (BP-2)
SCALE: 1 1/2" = 1'-0"

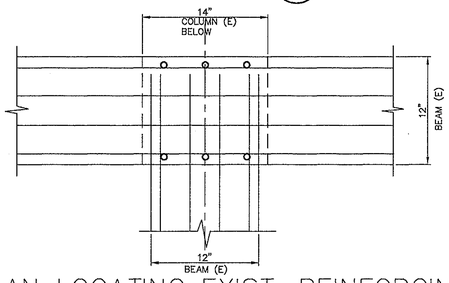


BASE PLATE DETAIL (BP-1)
SCALE: 1 1/2" = 1'-0"

NOTE: PROVIDE H.S NON-SHRINK LEV. GROUT AS REQ'D



DETAIL
SCALE: 1 1/2" = 1'-0"
A / S5



PLAN LOCATING EXIST. REINFORCING STEEL
SCALE: 1 1/2" = 1'-0"
(V.I.F.)

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SCALE: AS NOTED	PLOT SCALE:

SHEET TITLE
MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261

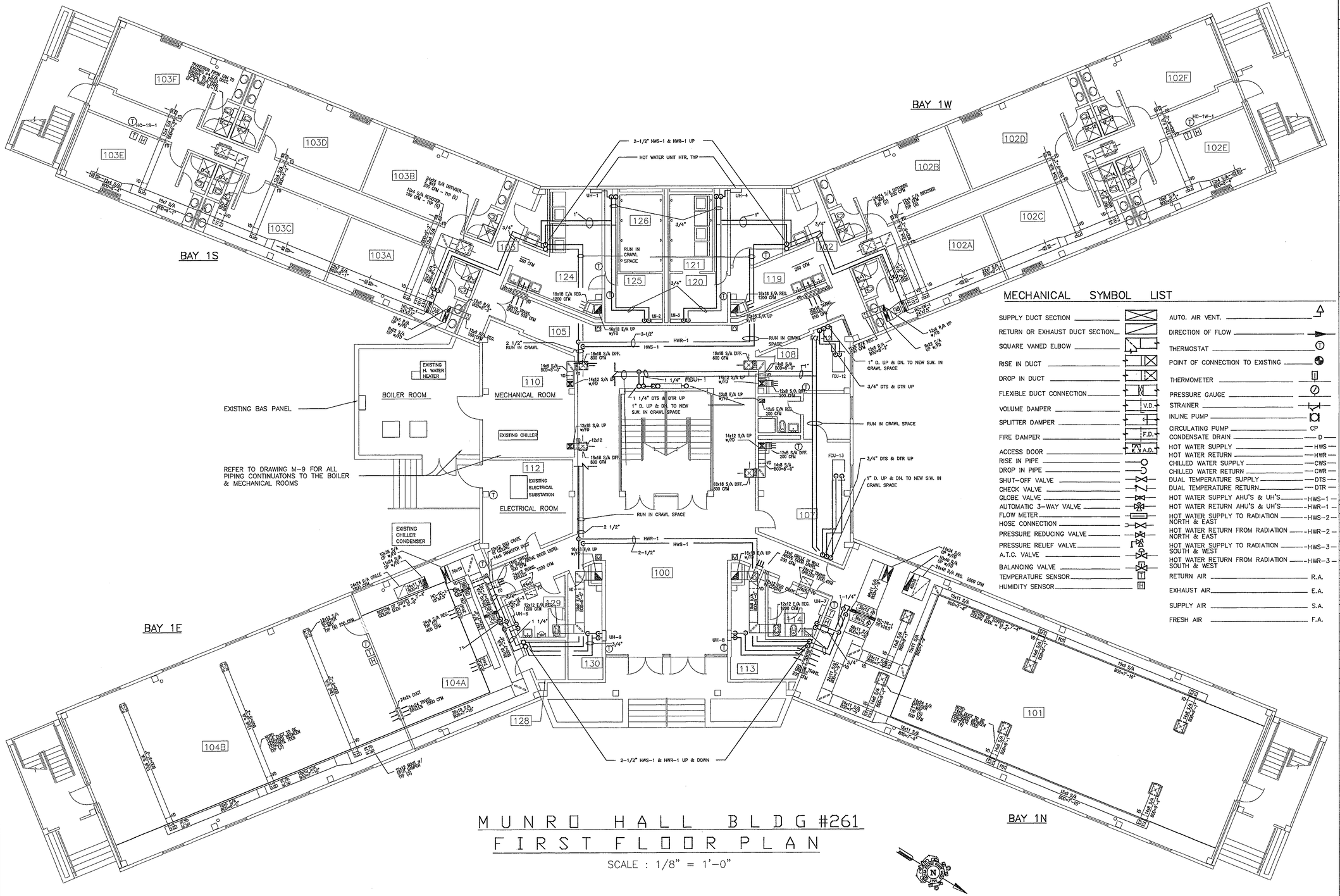
SECTIONS, DETAILS & NOTES

REVIEWED BY: EIC	REVIEWED BY: MGR	REVIEWED BY: TD
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

CO — APPROVING OFFICER
18 MAY 2005 — DATE

PROJECT NUMBER	DRAWING NUMBER
T04026	T-5393-SD
DISCIPLINE/SHT NO S5	SHEET 21 OF 43

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MUNRO HALL BLDG #261
FIRST FLOOR PLAN
SCALE : 1/8" = 1'-0"

MECHANICAL SYMBOL LIST

- SUPPLY DUCT SECTION
- RETURN OR EXHAUST DUCT SECTION
- SQUARE VANED ELBOW
- RISE IN DUCT
- DROP IN DUCT
- FLEXIBLE DUCT CONNECTION
- VOLUME DAMPER
- SPLITTER DAMPER
- FIRE DAMPER
- ACCESS DOOR
- RISE IN PIPE
- DROP IN PIPE
- SHUT-OFF VALVE
- CHECK VALVE
- GLOBE VALVE
- AUTOMATIC 3-WAY VALVE
- FLOW METER
- HOSE CONNECTION
- PRESSURE REDUCING VALVE
- PRESSURE RELIEF VALVE
- A.T.C. VALVE
- BALANCING VALVE
- TEMPERATURE SENSOR
- HUMIDITY SENSOR
- AUTO. AIR VENT.
- DIRECTION OF FLOW
- THERMOSTAT
- POINT OF CONNECTION TO EXISTING
- THERMOMETER
- PRESSURE GAUGE
- STRAINER
- INLINE PUMP
- CIRCULATING PUMP — CP
- CONDENSATE DRAIN — D
- HOT WATER SUPPLY — HWS
- HOT WATER RETURN — HWR
- CHILLED WATER SUPPLY — CWS
- CHILLED WATER RETURN — CWR
- DUAL TEMPERATURE SUPPLY — DTS
- DUAL TEMPERATURE RETURN — DTR
- HOT WATER SUPPLY AHU'S & UH'S — HWS-1
- HOT WATER RETURN AHU'S & UH'S — HWR-1
- HOT WATER SUPPLY TO RADIATION NORTH & EAST — HWS-2
- HOT WATER RETURN FROM RADIATION NORTH & EAST — HWR-2
- HOT WATER SUPPLY TO RADIATION SOUTH & WEST — HWS-3
- HOT WATER RETURN FROM RADIATION SOUTH & WEST — HWR-3
- RETURN AIR — R.A.
- EXHAUST AIR — E.A.
- SUPPLY AIR — S.A.
- FRESH AIR — F.A.

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CONSULTANTS
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135 Old York Rd. P.O.Box 2158
Jenkintown, PA. 19046
Tel.:215-885-5900 Fax:215-885-2642

U. S. COAST GUARD
TRAINING CENTER
CAPE MAY

USCG, TRACEN CAPE MAY
1 MUNRO AVE
CAPE MAY, NJ 08204-5092

ISSUE		
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MARK	DATE	DESCRIPTION

A/E PROJECT NO:	
CAD FILE NAME:	
DESIGNED BY:	
DRAWN BY:	
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SCALE: AS NOTED	PLOT SCALE:

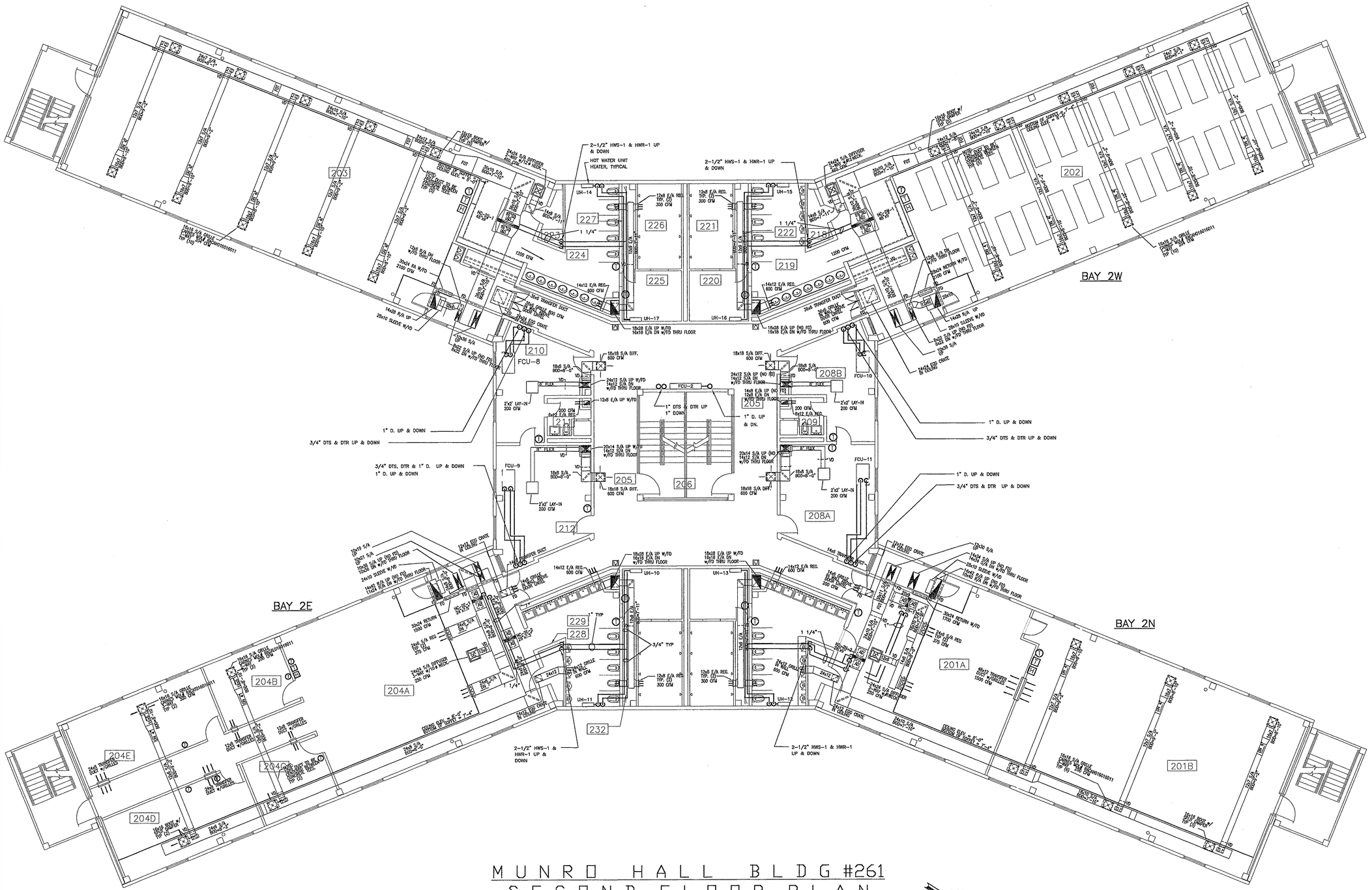
SHEET TITLE
MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261
FIRST FLOOR PLAN
HVAC

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
EIC	MGR	TD
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

CO — APPROVING OFFICER
15 NOV 2004 — DATE

PROJECT NUMBER	DRAWING NUMBER
T04026	T-5394-MD
DISCIPLINE/SHT NO	
M1	SHEET 22 OF 43

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MUNRO HALL BLDG #261
SECOND FLOOR PLAN

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

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CAPE MAY

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MARK	DATE	DESCRIPTION

A/E PROJECT NO:	
CAD FILE NAME:	
DESIGNED BY:	
DRAWN BY:	
EDITED BY:	
CHECKED BY:	
SCALE: AS NOTED	PLOT SCALE:

SHEET TITLE

MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261

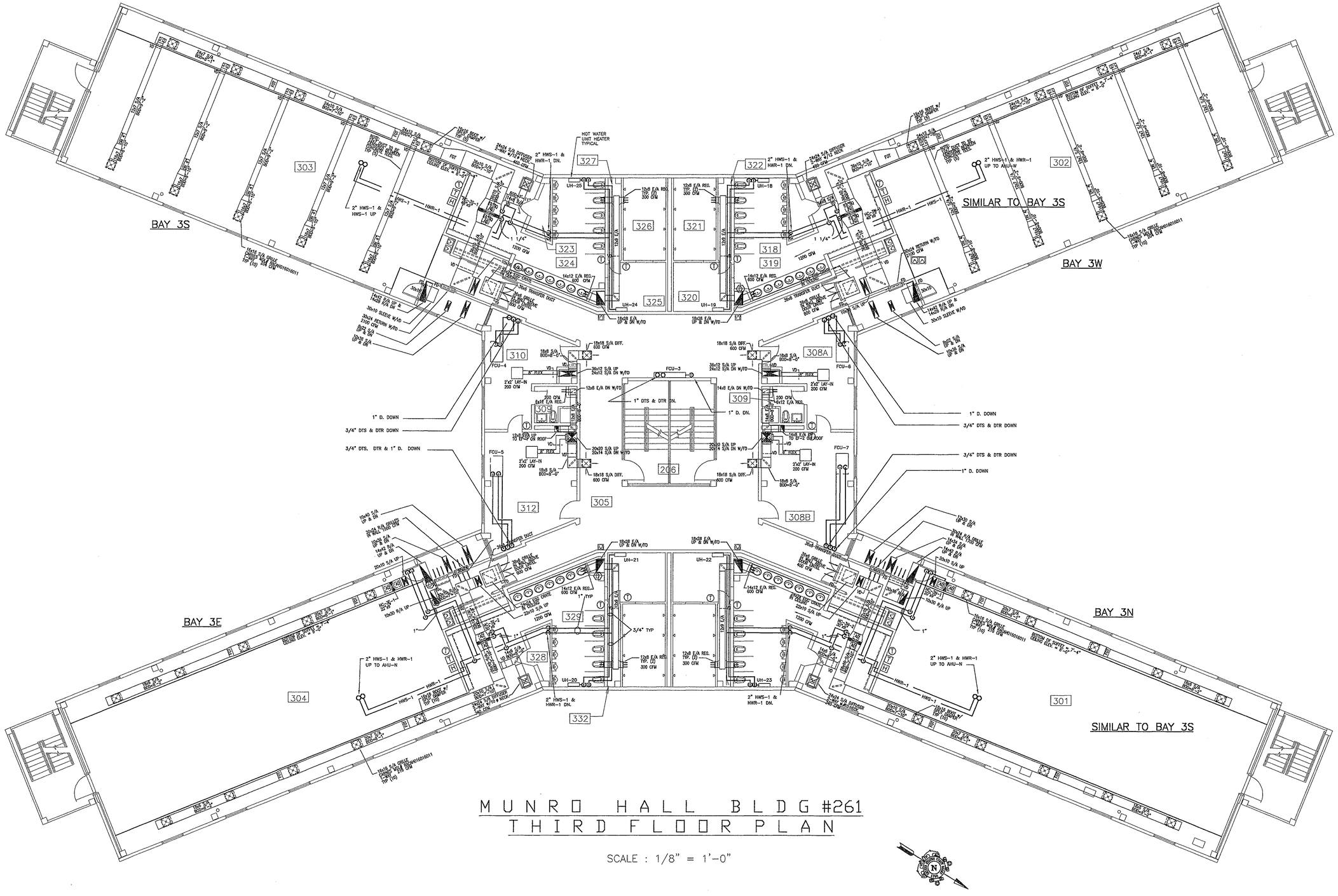
SECOND FLOOR PLAN
HVAC

REVIEWED BY: EIC	REVIEWED BY: MGR	REVIEWED BY: TD
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

CO	15 NOV 2004
APPROVING OFFICER	DATE

PROJECT NUMBER	DRAWING NUMBER
T04026	T-5395-MD
DISCIPLINE/SHT NO	
M2	SHEET 23 OF 43

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MUNRO HALL BLDG #261
THIRD FLOOR PLAN

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

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Puente Construction Enterprises Inc.
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SCALE: AS NOTED	PLOT SCALE:

SHEET TITLE

MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261

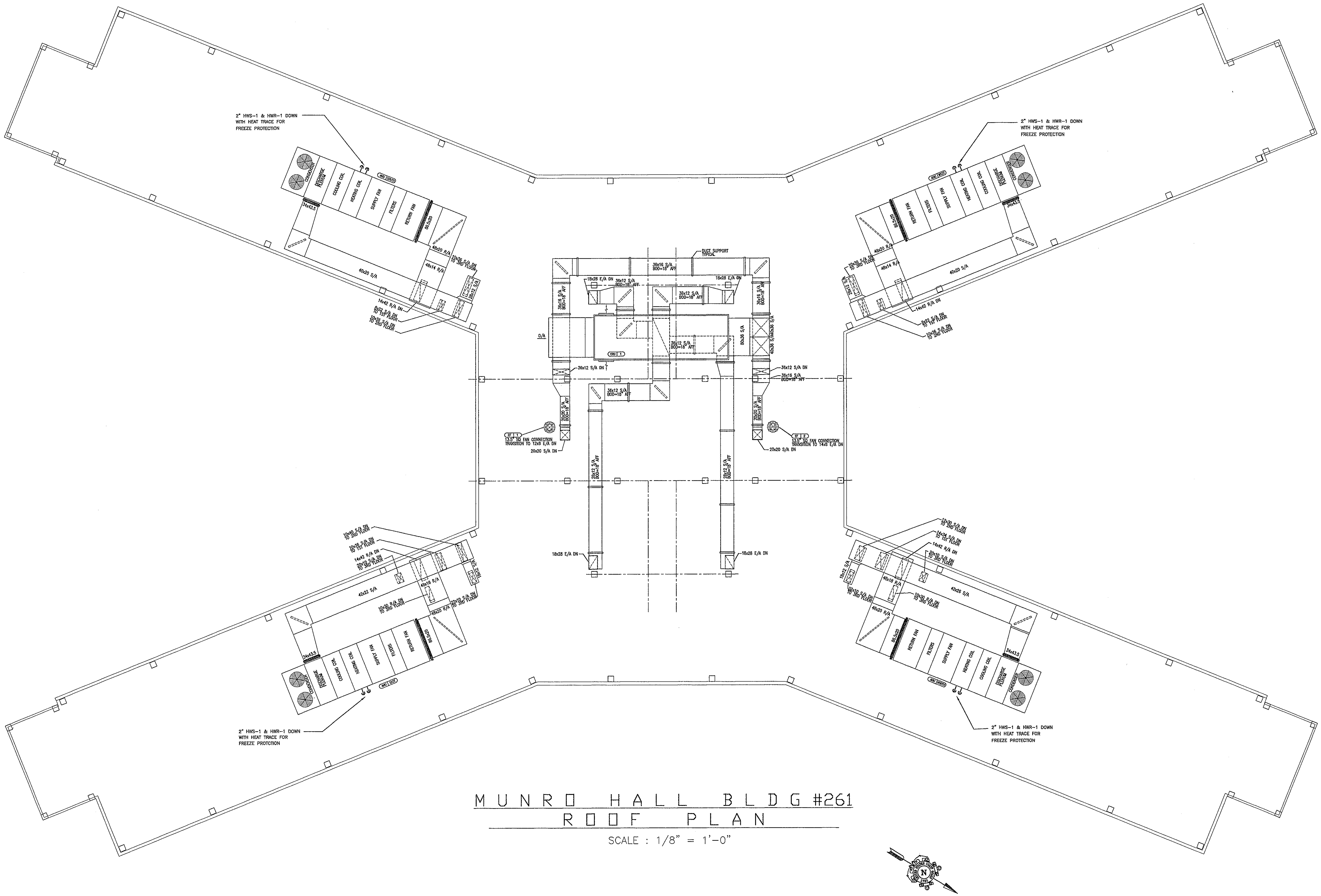
THIRD FLOOR PLAN
HVAC

REVIEWED BY: EIC	REVIEWED BY: MGR	REVIEWED BY: TD
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

CO — APPROVING OFFICER
15 NOV 2004 — DATE

PROJECT NUMBER	DRAWING NUMBER
T04026	T-5396-MD
DISCIPLINE/SHT NO	
M3	SHEET 24 OF 43

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MUNRO HALL BLDG #261
ROOF PLAN
SCALE : 1/8" = 1'-0"

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UNITED STATES COAST GUARD 1790

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EDITED BY:
CHECKED BY:

SCALE: AS NOTED PLOT SCALE:

SHEET TITLE
MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261
ROOF PLAN
HVAC

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
EIC	MGR	TD
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

CO
APPROVING OFFICER
15 NOV 2004
DATE

PROJECT NUMBER	DRAWING NUMBER
T04026	T-5397-MD
DISCIPLINE/SHT NO M4	SHEET 25 OF 43

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AIR HANDLING UNIT SCHEDULE

| UNIT NO. | FAN DATA | | | | | | DIRECT EXPANSION COIL DATA | | | | | | | | PREHEAT COIL DATA | | | | | | | |

HOT WATER HEATING COIL SCHEDULE

COIL NO.	AREA SERVED	C. F. M. STD. AIR	ENT. AIR TEMP.	TEMP. RISE	ENT. WATER TEMP.	G. P. M.	LOAD M. B. H.	APPROX. COIL SIZE FIN LGTH. IN.	APPROX. COIL SIZE FIN HGT. IN.	AIR VELOCITY F. P. M.	MAX. AIR FRICTION "WG	MAX. WATER PRESSURE DROP FT.	REMARKS
HC3N1	ROOM 301	1080	60	35	180	4.1	40.8	20	9	864	0.37	2.61	
HC3N2	ROOM 301	1420	60	35	180	5.4	53.7	30	9	757	0.27	2.1	
HC3S1	ROOM 303	2500	60	35	180	9.5	94.5	48	9	833	0.32	3.2	
HC3W1	ROOM 302	2500	60	35	180	9.5	94.5	48	9	833	0.32	3.2	
HC3E1	ROOM 304	1080	60	35	180	4.1	40.8	22	9	785	0.28	2.5	
HC3E2	ROOM 304	1420	60	35	180	5.4	53.7	30	9	757	0.27	2.1	
HC2N1	ROOM 201A	1000	60	35	180	3.8	37.8	20	9	800	0.29	2.4	
HC2N2	ROOM 201B	1500	60	35	180	5.7	56.7	28	9	857	0.33	2.4	
HC2S1	ROOM 203	2500	60	35	180	9.5	94.5	48	9	833	0.32	3.2	
HC2W1	ROOM 202	2500	60	35	180	9.5	94.5	48	9	833	0.32	3.2	
HC2E1	ROOM 204A	1000	60	35	180	3.8	37.8	24	7.5	800	0.29	5.7	
HC2E2	ROOMS 204B, 204C, 204D & 204E	1100	60	35	180	4.2	41.6	26	7.5	812	0.3	6.9	
HC1N1	ROOM 101	3600	60	35	180	14.2	138	56	10.5	881	0.35	3.8	
HC1E1	ROOM 104A	800	60	35	180	3.0	30.2	18	7.5	853	0.33	3.2	
HC1E2	ROOM 104B	1500	60	35	180	5.7	56.7	30	9	800	0.29	2.2	
HC1S1	103A TO F	1000	60	35	180	3.8	37.8	24	7.5	800	0.29	5.7	
HC1W1	102A TO F	1000	60	35	180	3.8	37.8	24	7.5	800	0.29	5.7	

HOT WATER UNIT HEATER SCHEDULE

UNIT NO.	AREA SERVED	NO. REQ'D	ENT. AIR TEMP.	LVG. AIR TEMP.	ENT. WATER TEMP.	G. P. M.	PRESS. DROP FT. H2O	CAPACITY BTU/HR	FAN HP	VOLTS	PHASE	MANUFACTURER & MODEL NUMBER	REMARKS
UH-1	ROOM 124	1	70	100	180	0.5	0.2	9570	1/12	120	1	AIRTHERM WI-1100-02	BOTTOM DISCHARGE
UH-2	ROOM 125	1	70	100	180	0.5	0.2	9570	1/12	120	1	AIRTHERM WI-1100-02	BOTTOM DISCHARGE
UH-3	ROOM 121	1	70	100	180	0.5	0.2	9570	1/12	120	1	AIRTHERM WI-1100-02	BOTTOM DISCHARGE
UH-4	ROOM ___	1	70	100	180	0.5	0.2	9570	1/12	120	1	AIRTHERM WI-1100-02	BOTTOM DISCHARGE
UH-5	ROOM 120	1	70	100	180	0.5	0.2	9570	1/12	120	1	AIRTHERM WI-1100-02	BOTTOM DISCHARGE
UH-6	ROOM 129	1	70	100	180	0.5	0.2	9570	1/12	120	1	AIRTHERM WI-1100-02	BOTTOM DISCHARGE
UH-7	ROOM 114	1	70	100	180	0.5	0.2	9570	1/12	120	1	AIRTHERM WI-1100-02	BOTTOM DISCHARGE
UH-8	ROOM 100	1	40	105	180	1.5	1.6	28000	1/12	120	1	AIRTHERM RWI-1130-03	BOTTOM DISCHARGE
UH-9	ROOM 100	1	40	105	180	1.5	1.6	28000	1/12	120	1	AIRTHERM RWI-1130-03	BOTTOM DISCHARGE
UH-10	ROOM 229 SHOWER	1	70	100	180	0.5	0.2	12540	1/12	120	1	AIRTHERM WI-1100-02	BOTTOM DISCHARGE
UH-11	ROOM 229	1	70	100	180	0.5	0.2	12540	1/12	120	1	AIRTHERM WI-1100-02	BOTTOM DISCHARGE
UH-12	ROOM 229 N SHOWER	1	70	100	180	0.5	0.2	12540	1/12	120	1	AIRTHERM WI-1100-02	BOTTOM DISCHARGE
UH-13	ROOM 229 N	1	70	100	180	0.5	0.2	12540	1/12	120	1	AIRTHERM WI-1100-02	BOTTOM DISCHARGE
UH-14	ROOM 224	1	70	100	180	0.5	0.2	12540	1/12	120	1	AIRTHERM WI-1100-02	BOTTOM DISCHARGE
UH-15	ROOM 221	1	70	100	180	0.5	0.2	12540	1/12	120	1	AIRTHERM WI-1100-02	BOTTOM DISCHARGE
UH-16	ROOM 220	1	70	100	180	0.5	0.2	12540	1/12	120	1	AIRTHERM WI-1100-02	BOTTOM DISCHARGE
UH-17	ROOM 225	1	70	100	180	0.5	0.2	12540	1/12	120	1	AIRTHERM WI-1100-02	BOTTOM DISCHARGE
UH-18	ROOM 318	1	70	100	180	0.5	0.2	12540	1/12	120	1	AIRTHERM WI-1100-02	BOTTOM DISCHARGE
UH-19	ROOM 320	1	70	100	180	0.5	0.2	12540	1/12	120	1	AIRTHERM WI-1100-02	BOTTOM DISCHARGE
UH-20	ROOM 329	1	70	100	180	0.5	0.2	12540	1/12	120	1	AIRTHERM WI-1100-02	BOTTOM DISCHARGE
UH-21	ROOM 329	1	70	100	180	0.5	0.2	12540	1/12	120	1	AIRTHERM WI-1100-02	BOTTOM DISCHARGE
UH-22	ROOM ---	1	70	100	180	0.5	0.2	12540	1/12	120	1	AIRTHERM WI-1100-02	BOTTOM DISCHARGE
UH-23	ROOM ---	1	70	100	180	0.5	0.2	12540	1/12	120	1	AIRTHERM WI-1100-02	BOTTOM DISCHARGE
UH-24	ROOM 325	1	70	100	180	0.5	0.2	12540	1/12	120	1	AIRTHERM WI-1100-02	BOTTOM DISCHARGE
UH-25	ROOM 324	1	70	100	180	0.5	0.2	12540	1/12	120	1	AIRTHERM WI-1100-02	BOTTOM DISCHARGE

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A/E PROJECT NO:
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DRAWN BY:
EDITED BY:
CHECKED BY:

SCALE: AS NOTED PLOT SCALE:

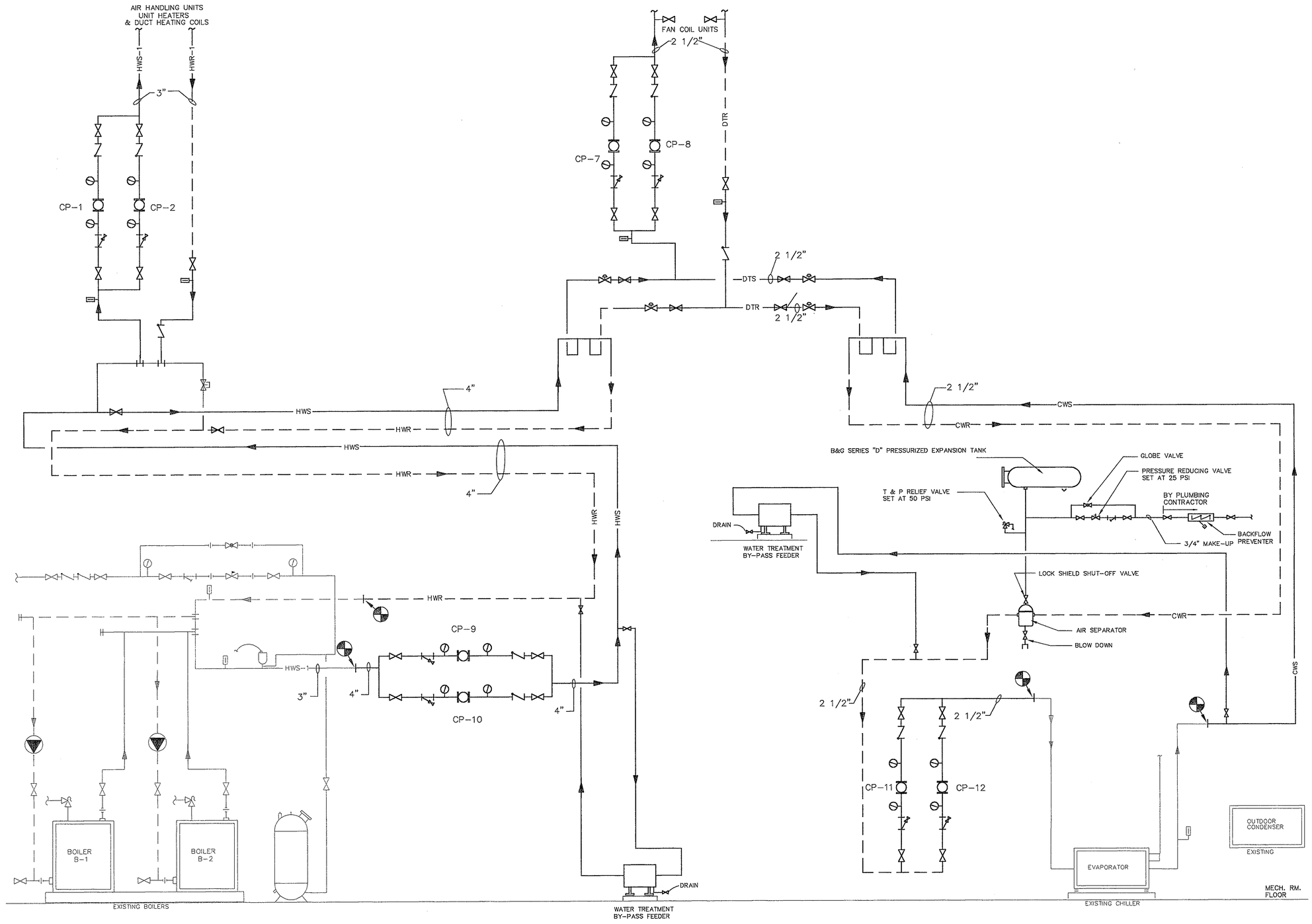
SHEET TITLE
MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261
SCHEDULES
HVAC

REVIEWED BY: EIC	REVIEWED BY: MGR	REVIEWED BY: TD
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

CO — APPROVING OFFICER
15 NOV 2004 — DATE

PROJECT NUMBER	DRAWING NUMBER
T04026	T-5399-MD
DISCIPLINE/SHT NO	
M6	SHEET 27 OF 43

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EDITED BY:	
CHECKED BY:	
SCALE: AS NOTED	PLOT SCALE:

SHEET TITLE

MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261

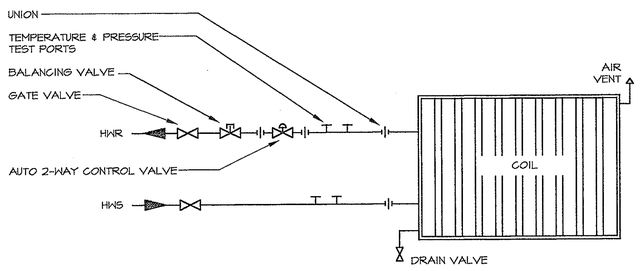
CHILLED & HOT WATER PIPING DIAGRAM

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
EIC	MGR	TD
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

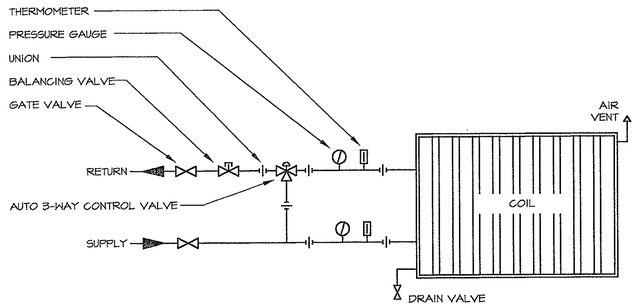
CO — APPROVING OFFICER
15 NOV 2004 — DATE

PROJECT NUMBER	DRAWING NUMBER
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DISCIPLINE/SHT NO	
M7	SHEET 28 OF 43

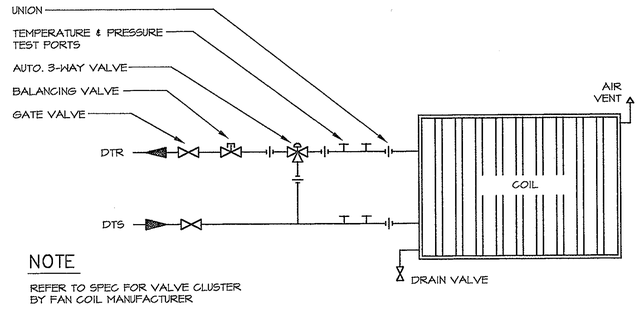
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UNIT HEATER PIPING DIAGRAM NO SCALE



A.H.U. HOT WATER COIL PIPING DIAGRAM NO SCALE



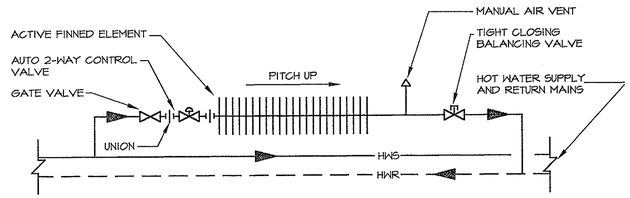
NOTE

REFER TO SPEC FOR VALVE CLUSTER BY FAN COIL MANUFACTURER

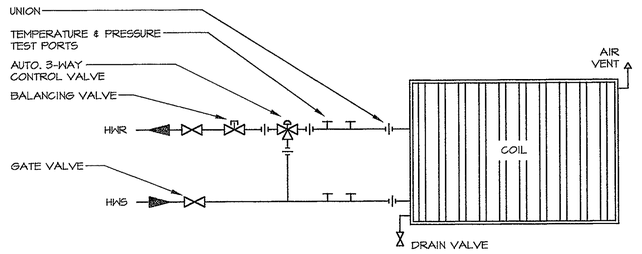
FAN COIL UNIT PIPING DIAGRAM NO SCALE



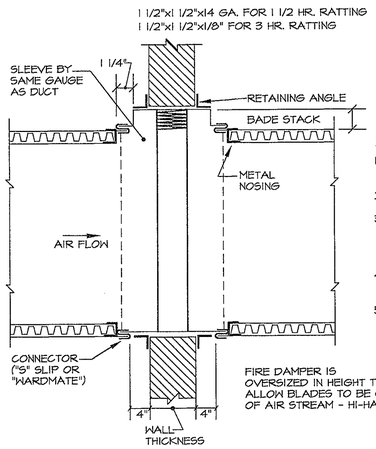
RADIATION PIPING DIAGRAM NO SCALE



RADIATION PIPING DIAGRAM BAY 2E ONLY NO SCALE



DUCT H.W. COIL PIPING DIAGRAM NO SCALE

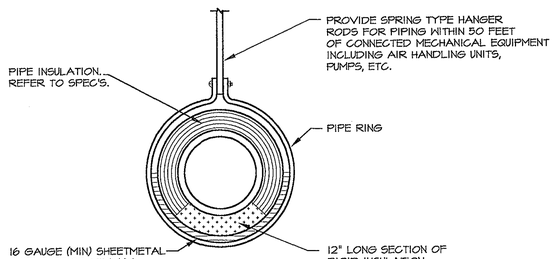


NOTE

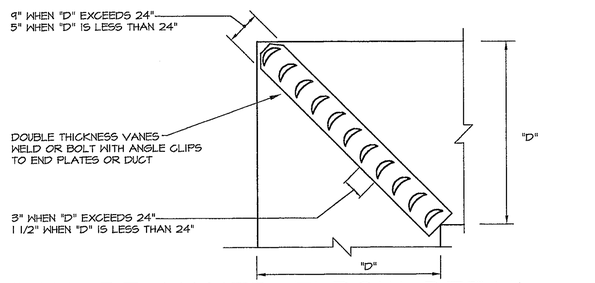
1. VERTICAL POSITION IS SHOWN. HORIZONTAL INSTALLATION IS SIMILAR.
2. PROVIDE ACCESS DOORS AS SPECIFIED.
3. RETAINING ANGLES MUST LAP STRUCTURAL OPENING 1" MINIMUM AND COVER CORNERS OF OPENING. ANGLES MUST NOT BE ATTACHED TO EACH OTHER AT CORNERS.
4. CONNECTIONS TO DUCTS SHALL CONFORM TO NFPA & BE UL APPROVED
5. SLEEVES 14 GAUGE AND HEAVIER. NO BREAK AWAY CONNECTIONS REQUIRED. SLEEVES 16 GAUGE AND LIGHTER MUST HAVE BREAK AWAY CONNECTIONS.

FIRE DAMPER: WIDTH = DUCT SIZE MINUS 1/4"
HEIGHT = DUCT SIZE & BLADE STACK MINUS 1/4"

FIRE DAMPER INSTALLATION DETAIL NO SCALE



PIPE HANGER DETAIL NO SCALE



SQUARE VANED ELBOW DETAIL NO SCALE

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SHEET TITLE

MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261

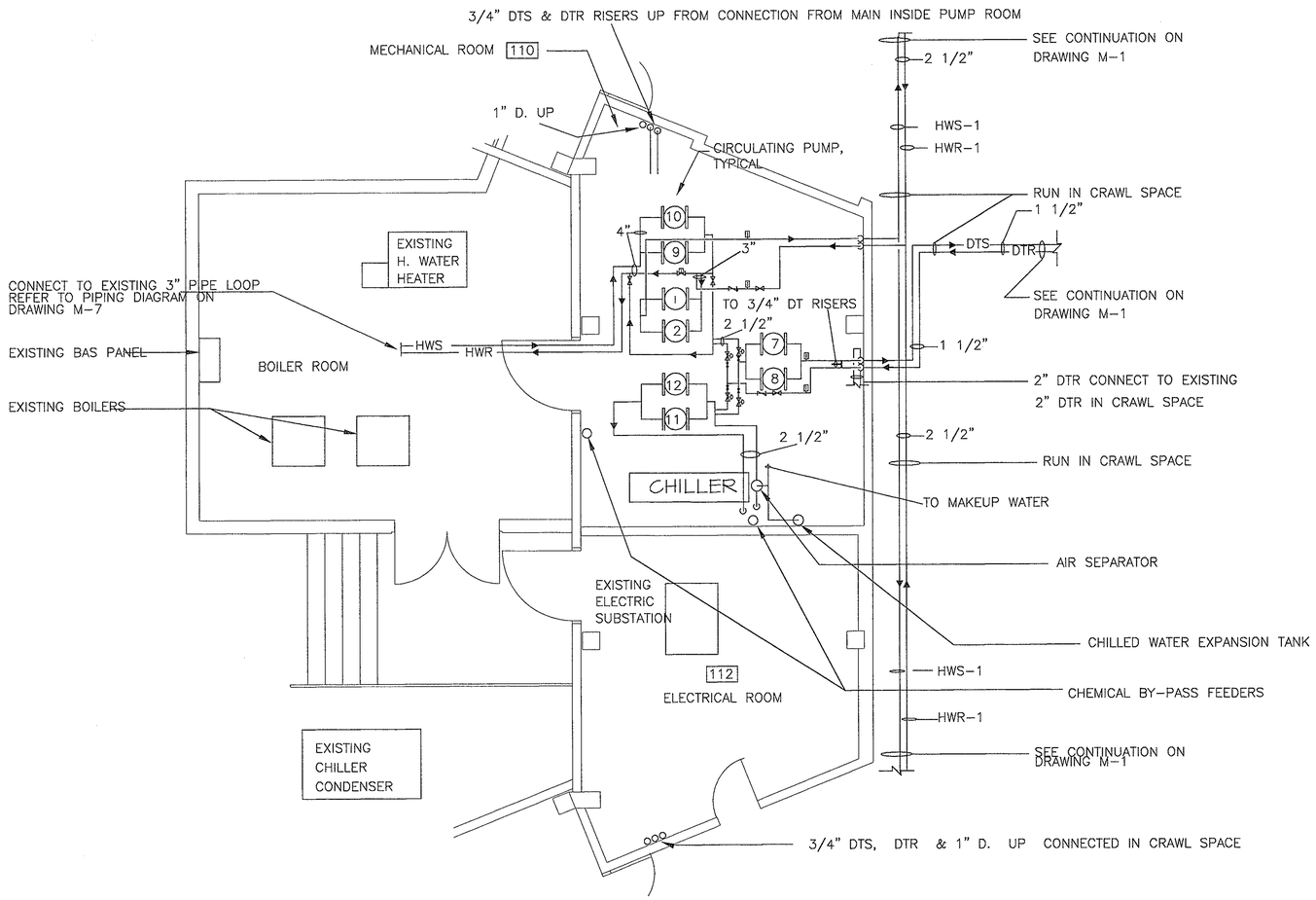
DETAILS & DIAGRAM
HVAC

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T04026	T-5401-MD
DISCIPLINE/SHT NO	SHEET 29 OF 43
M8	

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BOILER, MECHANICAL & ELECTRICAL ROOM PLAN

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

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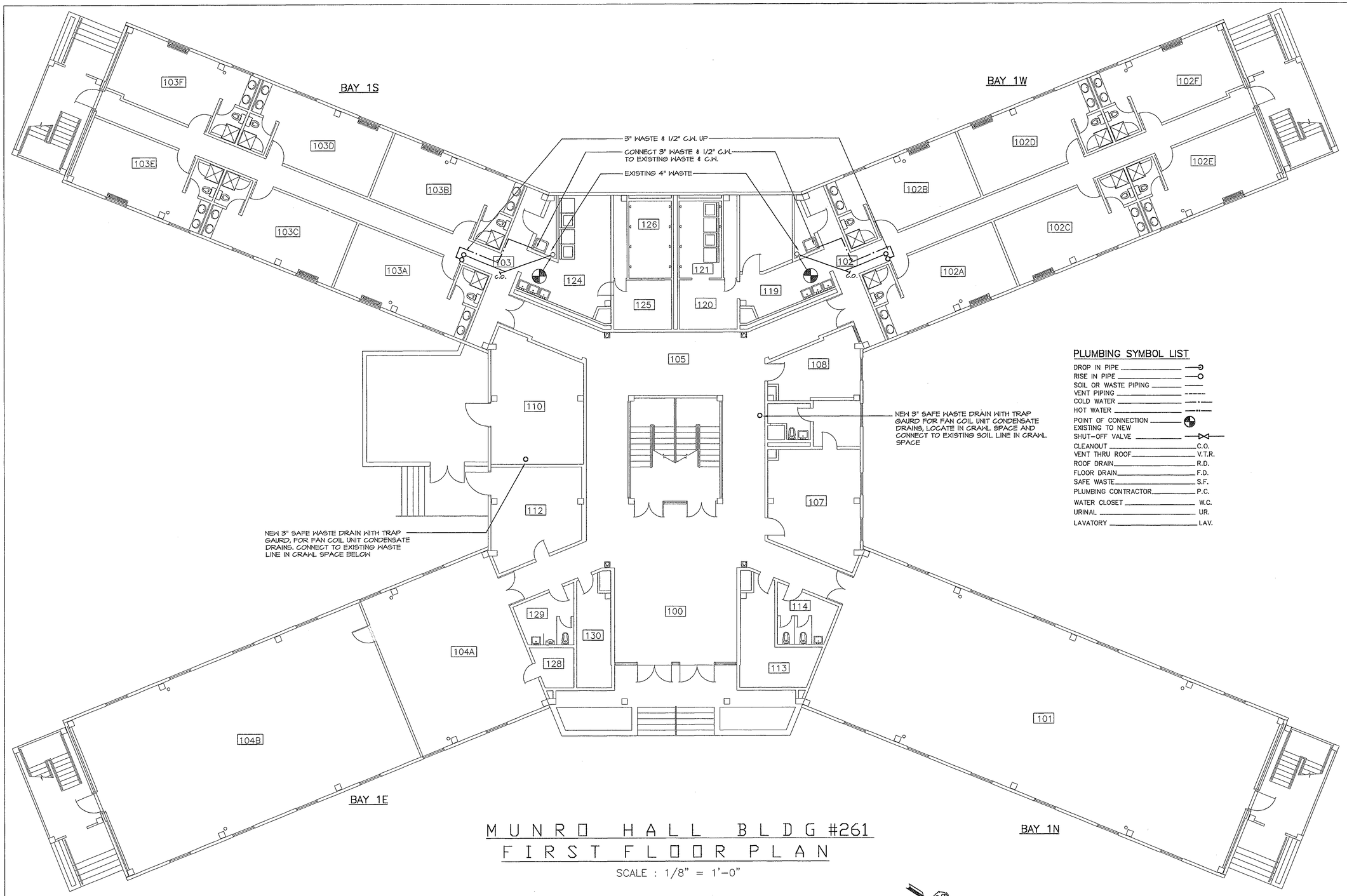
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BUILDING #261

MECHANICAL ROOM 110 PLAN
HVAC

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PROJECT NUMBER	DRAWING NUMBER
T04026	T-5402-MD
DISCIPLINE/SHT NO	
M9	SHEET 30 OF 43

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MUNRO HALL BLDG #261
FIRST FLOOR PLAN

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

PLUMBING SYMBOL LIST

DROP IN PIPE	
RISE IN PIPE	
SOIL OR WASTE PIPING	
VENT PIPING	
COLD WATER	
HOT WATER	
POINT OF CONNECTION EXISTING TO NEW	
SHUT-OFF VALVE	
CLEANOUT	C.O.
VENT THRU ROOF	V.T.R.
ROOF DRAIN	R.D.
FLOOR DRAIN	F.D.
SAFE WASTE	S.F.
PLUMBING CONTRACTOR	P.C.
WATER CLOSET	W.C.
URINAL	UR.
LAVATORY	LAV.

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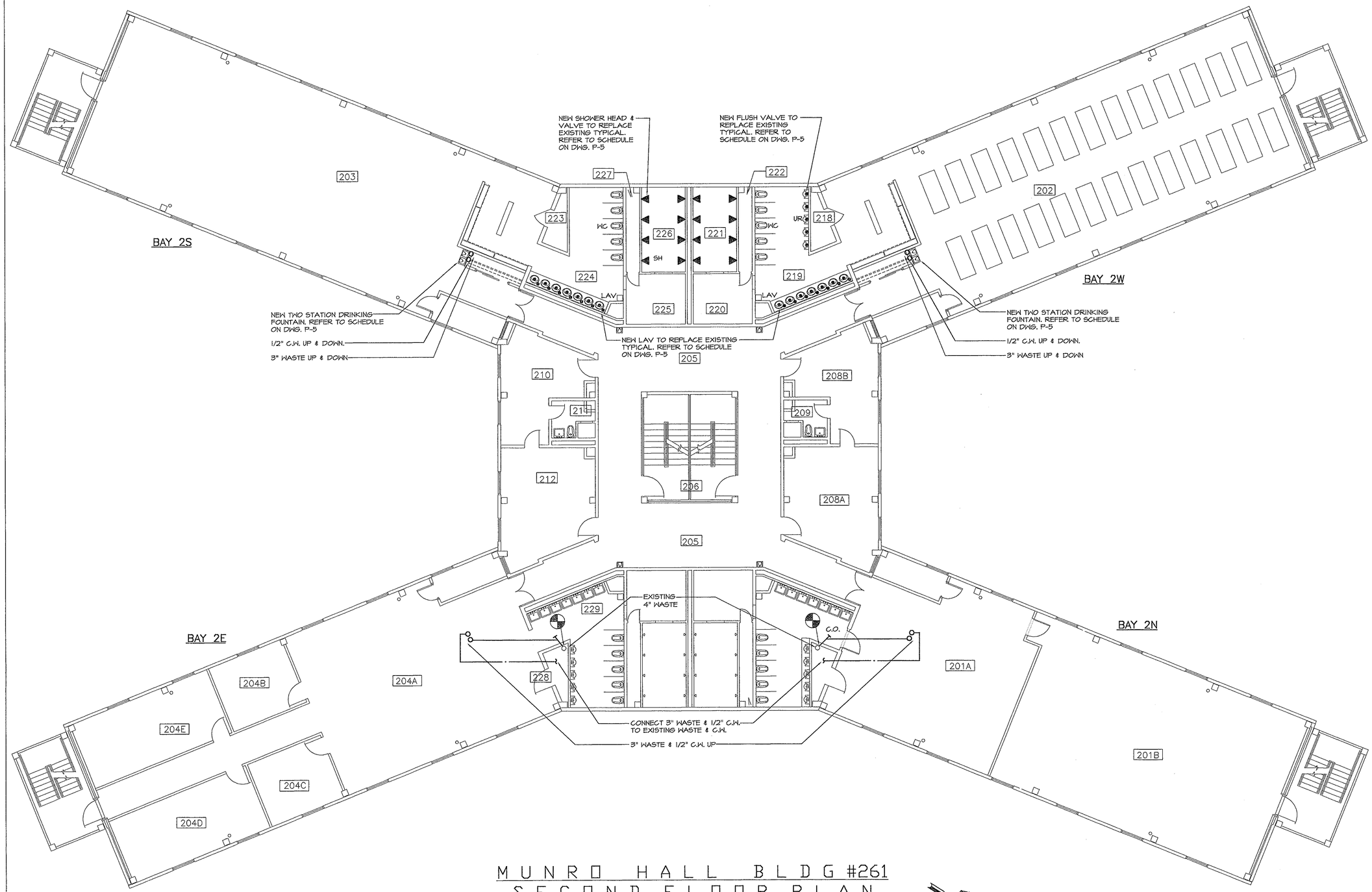
FIRST FLOOR PLAN
PLUMBING

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T04026	T-5403-PD
DISCIPLINE/SHT NO P1	SHEET 31 OF 43

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MUNRO HALL BLDG #261
SECOND FLOOR PLAN

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

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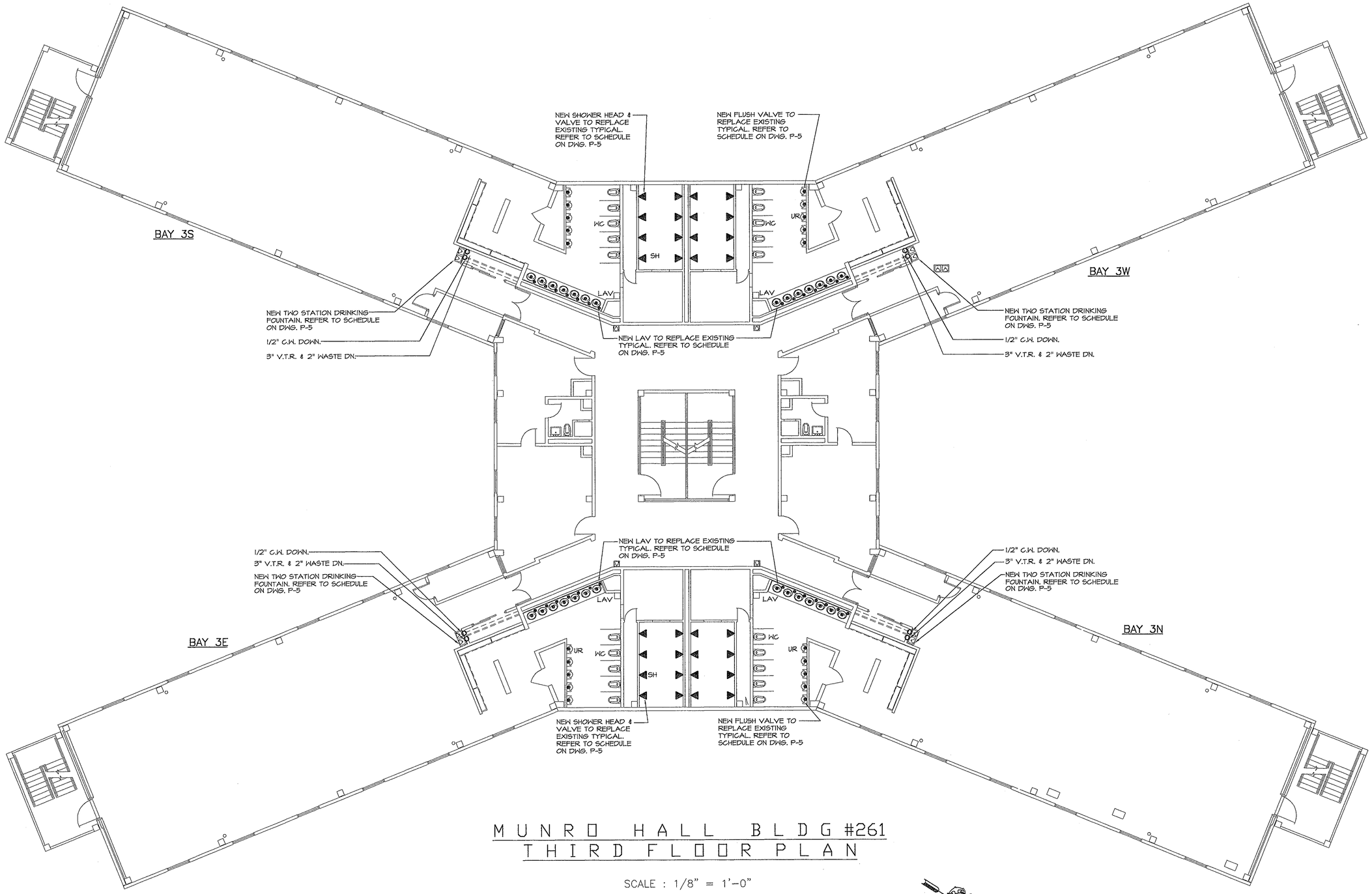
SECOND FLOOR PLAN
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PROJECT NUMBER	DRAWING NUMBER
T04026	T-5404-PD
DISCIPLINE/SHT NO	
P2	SHEET 32 OF 43

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MUNRO HALL BLDG #261
THIRD FLOOR PLAN

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

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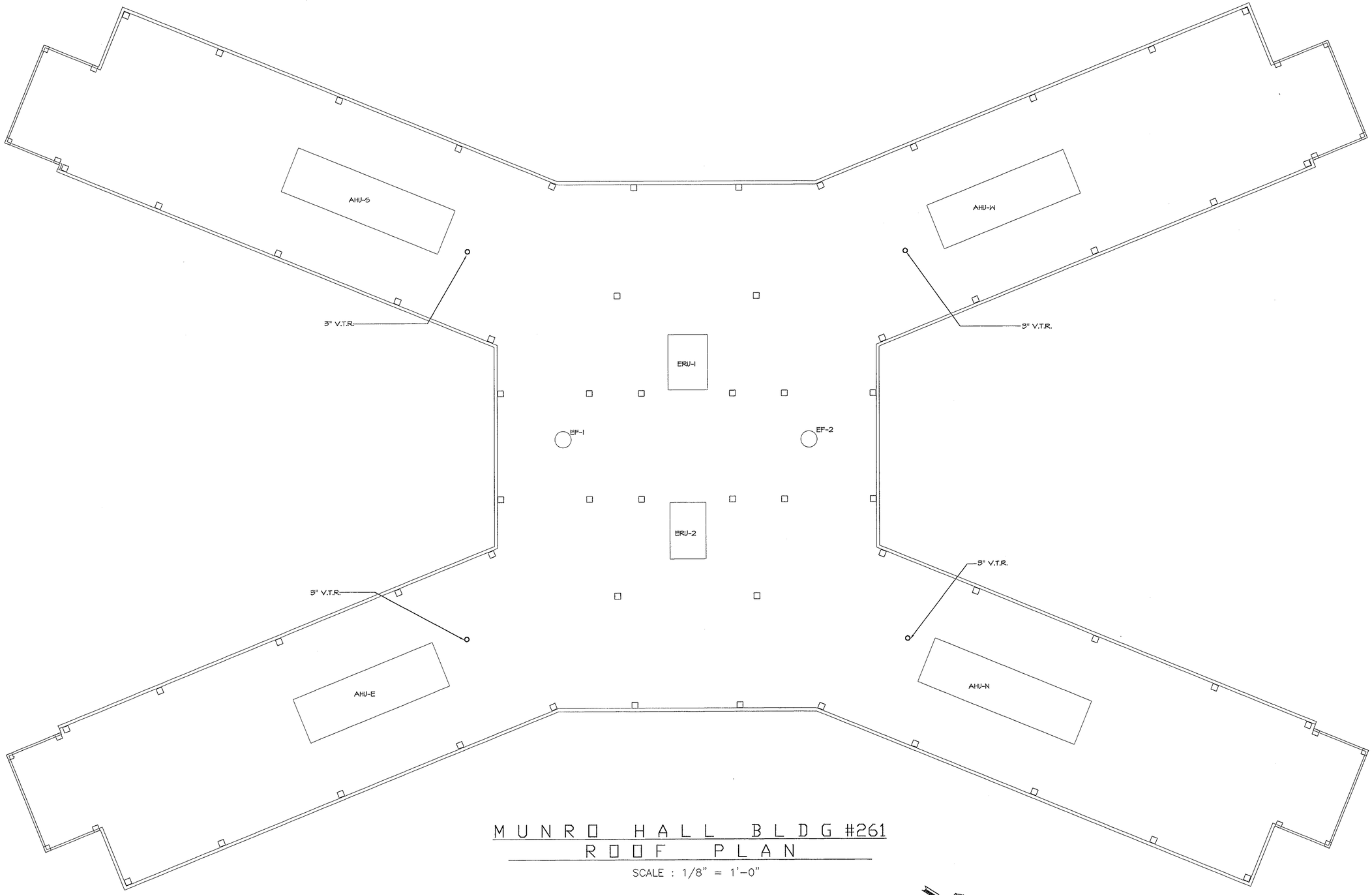
THIRD FLOOR PLAN
PLUMBING

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T04026	T-5405-PD
DISCIPLINE/SHT NO	
P3	SHEET 33 OF 43

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MUNRO HALL BLDG #261
ROOF PLAN

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

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MUNRO HALL HVAC RENOVATIONS
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BUILDING #261

ROOF PLAN
PLUMBING

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
EIC	MGR	TD
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T04026	T-5406-PD
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FIXTURE RUNOUT SCHEDULE

FIXTURE	SYMBOL	WASTE	COLD WATER	HOT WATER	REMARKS
LAVATORY	LAV.	1 1/2"	1/2"	1/2"	
DRINKING FOUNTAIN	D.F.	1 1/2"	1/2"	-	
DRINKING FOUNTAIN	D.F.	1 1/2"	1/2"	-	

MATERIAL SCHEDULE

SYSTEM	SER. CAST PIPE	WT. IRON JOINT	P.V.C. PIPE	P.V.C. JOINT	CAST IRON NO HUB PIPE	CAST IRON NO HUB JOINT	STEEL PIPE GALV. PIPE	STEEL PIPE GALV. JOINT	COPPER TYPE "K" PIPE	COPPER TYPE "K" JOINT	COPPER TYPE "L" PIPE	COPPER TYPE "L" JOINT	COPPER TYPE "DWV" PIPE	COPPER TYPE "DWV" JOINT	REMARKS
SOIL, WASTE & VENT PIPING ABOVE GROUND	●	1			●	4	●	2					●	3	
SOIL, WASTE & VENT PIPING BELOW GROUND	●	1													
DOMESTIC WATER ABOVE GRADE											●	6			

FLOOR, ROOF & AREA DRAIN SCHEDULE

DRAIN	MANUFACTURER & MODEL NUMBER	REMARKS
FUNNEL FLOOR DRAIN	ZURN Z-300 WITH Z-328 FUNNEL	

PLUMBING FIXTURE SCHEDULE

TYPE	FIXTURE	MODEL	TRIM	REMARKS
EXISTING	EXISTING URINALS	EXISTING	NEW SLOAN ROYAL MODEL 186-0.5 FLUSH VALVES TO REPLACE ALL EXISTING FLUSH VALVES	P.C. TO REMOVE EXISTING FLUSH VALVES & AUTOMATIC OPERATOR, INSTALL NEW FLUSH VALVE & REINSTALL EXISTING AUTOMATIC OPERATORS
NEW	LAVATORY	BY G.C.	SLOAN OPTIMA PLUS BATTERY POWERED FAUCETS MODEL EBF-615-BMD, 4" CENTERS SUPPLIED BY OWNER INSTALLED BY P.C. AND 4 SLOAN POLARIS MANUAL SINGLE HOLE GOOSENECK FAUCETS MODEL SL-0305 AT EACH LAVATORY WITH DRAINS, CHROME TRAPS, TAIL PIECES, ESCUTHENS PLATES & WATER SUPPLIES WITH SHUT-OFF VALVES FURNISHED & INSTALLED BY P.C.	P.C. TO INSTALL OWNER SUPPLIED SENSOR OPERATED FAUCETS. P.C. TO PROVIDE AND INSTALL MANUAL GOOSENECK FAUCETS AT EACH LAV.
NEW	DRINKING FOUNTAIN	HALSEY TAYLOR TO STATION DRINKING FOUNTAIN MODEL 7020		
EXISTING	EXISTING SHOWERS	EXISTING	MOEN SANI-STEAM SINGLE-HANDLE PRESSURE BALANCING SHOWER VALVE WITH TEMPERATURE LIMIT STOP MODEL 8350. WITH MOEN SHOWER HEAD, ARM & FLANGE MODEL 12894	P.C. TO REMOVE EXISTING SHOWER TRIM. P.C. SHALL FURNISH AND INSTALL NEW TRIM

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MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261

SCHEDULES, DETAILS & DIAGRAMS PLUMBING

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PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

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T04026	T-5407-PD
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P5	SHEET 35 OF 43

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SINGLE LINE DIAGRAM SYMBOLS

- POTHEAD
- AMMETER
- AMMETER SWITCH
- VOLTMETER
- VOLTMETER SWITCH
- (CT) CURRENT TRANSFORMER
- (PT) POTENTIAL TRANSFORMER
- RELAY (NUMBER INDICATES RELAY TYPE)
- RELAY CONTACTS
- GROUND FAULT TRIPING MECHANISM
- GROUND FAULT SENSING COIL
- CIRCUIT BREAKER OR MOTOR CIRCUIT PROTECTOR
- CIRCUIT BREAKER OR MOTOR CIRCUIT PROTECTOR 12.47KV BREAKER
- DISCONNECT SWITCH
- FUSED CUTOUT
- FUSED DISCONNECT SWITCH, SAFETY SWITCH
- FUSE
- MOTOR STARTER
- COMBINATION MOTOR STARTER AND CIRCUIT BREAKER
- COMBINATION MOTOR STARTER AND DISCONNECT SWITCH
- CONTROL WIRING
- POWER OR DISTRIBUTION TRANSFORMER
- WYE CONNECTION
- DELTA CONNECTION
- MOTOR (NUMBER DENOTES HORSE POWER)
- SINGLE SECTION PANEL BOARD
- RESISTIVE LOAD
- CONTROL PANEL
- LA — LIGHTNING ARRESTOR (OR SURGE ARRESTOR)

PLAN SYMBOLS

- 20A, 125V 'U' GROUNDED DUPLEX RECEPTACLE 'WP'- WEATHERPROOF #2 &#4 ARE CIRCUIOT NUMBERS.
- 20A, 125V QUADRAPLEX OUTLET
- 20A, 125V 'U' GROUNDED SIMPLEX RECEPTACLE COLORED RED.
- 'GFCI' GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
- 20A SINGLE POLE SWITCH a - INDICATES LIGHTS SWITCHED k- INDICATES KEYED
- 20A SINGLE POLE SWITCH THREE-WAY OR FOUR-WAY
- THERMAL
- DISCONNECT SWITCH, 'WP'WEATHERPROOF RATING AS SHOWN OR AS REQUIRED BY CODE
- CIRCUIT BREAKER
- FUSED DISCONNECT SWITCH
- MAGNETIC ACROSS THE LINE STARTER
- COMBINATION MAGNETIC ACROSS THE LINE STARTER WITH CIRCUIT BREAKER
- COMBINATION MAGNETIC ACROSS THE LINE STARTER WITH FUSED DISCONNECT SWITCH
- MOTOR - HORSEPOWER AS INDICATED
- FLUORESCENT LIGHTING FIXTURE - TYPE INDICATED ON DRAWINGS
- INCANDESCENT / FLUORESCENT LIGHTING FIXTURE - TYPE INDICATED ON DRAWINGS
- EXIT LIGHTING FIXTURE - ARROWS AS INDICATED OR AS REQUIRED.
- ELECTRICAL PANELS
- SMOKE DETECTOR
- HEAT DETECTOR
- DUCT DETECTORS
- SPEAKER
- DOOR HOLDER

GENERAL NOTES

1. FOR DESCRIPTION OF SYMBOLS SEE ELECTRICAL SYMBOL LIST.
2. DIMENSIONS MARKED ± ARE TO BE VERIFIED IN THE FIELD. THOSE MARKED N.T.S. ARE SHOWN NOT TO SCALE. ALL OTHERS SHOULD BE CHECKED WITH OTHER TRADE DRAWINGS AND VERIFY BY THE CONTRACTOR.
3. MOUNTING HEIGHTS SHALL BE AS INDICATED IN "MOUNTING HEIGHTS" SCHEDULE AND AS SHOWN ON DRAWINGS.
4. CONTRACTOR SHALL VERIFY ALL DOOR SWINGS BEFORE INSTALLING SWITCH BOXES.
5. FOR EXACT LOCATION OF LIGHTING FIXTURES, SEE REFLECTED CEILING PLAN DRAWINGS.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF SUSPENDED AND /OR SURFACE-MOUNTED LIGHTING FIXTURES IN MECHANICAL AND STORAGE AREAS WITH OTHER TRADES PRIOR TO ROUGH-IN AND INSTALLATION.
7. REFER TO HEATING, VENTILATION, AIR-CONDITIONING AND PLUMBING SECTIONS OF THE SPECIFICATIONS FOR REQUIRED CONTROL WIRING OF MECHANICAL EQUIPMENT.
8. THE ELECTRICAL CONTRACTOR SHALL PROVIDE EXPANSION FITTINGS IN ALL RACEWAYS CROSSING CONSTRUCTION OR EXPANSION JOINTS. REFER TO STRUCTURAL DRAWINGS FOR LOCATION OF JOINTS.
9. WIRE SIZES INDICATED ON SCHEDULES ARE BASED ON NO MORE THAN A THREE MULTI-WIRED BRANCH CIRCUIT HOME RUN. UNLESS OTHERWISE NOTED ON DRAWINGS OR IN THE SPECIFICATIONS, THE ELECTRICAL CONTRACTOR SHALL USE MULTI-WIRED BRANCH CIRCUITS WHERE PRACTICAL. SIZE WIRE AND CONDUIT AS REQUIRED BY THE "NATIONAL ELECTRICAL CODE". WHERE MULTI-WIRE BRANCH CIRCUIT EXCEED THREE, ADJUST THE WIRE SIZE IN ACCORDANCE WITH NOTE 8, T.O.C. TABLES 310-16 THROUGH 310-31 OF "N.E.C.". MINIMUM WIRE SIZE SHALL BE #12 AWG. MINIMUM CONDUIT SIZE SHALL BE 3/4".

ELECTRICAL DRAWINGS INDEX

E-1	ELECTRICAL NOTES AND SYMBOLS
E-2	FIRST FLOOR PLAN-LIGHTING AND POWER
E-3	SECOND FLOOR PLAN-LIGHTING AND POWER
E-4	THIRD FLOOR PLAN-LIGHTING AND POWER
E-5	ROOF PLAN-POWER
E-6	SINGLE LINE DIAGRAM
E-7	DETAILS AND SCHEDULES
E-8	PANEL SCHEDULES

MOUNTING HEIGHTS

9" B.F.C.	WALL MOUNTED CLOCKS, PROGRAM BELLS, AND FIRE ALARM GONGS (OR AS INDICATED)
10'-0"	BATTERY LIGHTING UNITS AND REMOTE WALL MOUNTED LIGHT HEADS (OR 1'-0" B.F.C. TO TOP OF UNIT)
8'-8"	PENDANT-HANG INDUSTRIALAND STRIP LIGHTING FIXTURES
7'-6"+	TELEVISION OUTLETS AND SERVICE RECEPTACLES FOR SHELF MOUNTED TV
7'-6"	TOP OF BACK-MOUNTED WALL EXIT FIXTURES-(NOT MOUNTED ABOVE DOORS)
CENTERED ABOVE DOOR OR WINDOW OPENING	WIRING AND SIGNALS FIXTURES/SIGNS
6'-8"	ILLUMINATED FIRE SIGNALS, STROBE LIGHTS (OR 6" B.F.C. WHICH EVER IS LOWER)
6'-6"	TOP OF FLUSH OR SURFACE MOUNTED ELECTRICAL LIGHTING OR POWER PANELBOARDS AND TELEPHONE CABINETS
6'-0"	TOP OF HIGHEST ELECTRICAL SAFETY DISCONNECT SWITCHES, MAGNETIC STARTERS AND CONTACTORS
4'-8"	WALL-MOUNTED TELEPHONES AND PAY STATIONS (3'-6" AT HANDICAP LOCATIONS)
4'-0"	WALL-MOUNTED ELECTRICAL DEVICE LIGHTING SWITCHES, MANUAL MOTOR STARTER, FIRE ALARM PULL STATIONS AND THERMOSTATS
4'-0"	WALL-MOUNTED WIREMOLD
2'-0"	ELECTRICAL RECEPTACLES WITHIN MECHANICAL SPACES, ELECTRICAL AND ELEVATOR ROOMS
1'-6"	ELECTRICAL RECEPTACLES, TELEPHONE OUTLETS, TELEVISION OUTLETS, COMPUTER OUTLETS
0'-0"	FINISHED FLOOR

NOTES:
1. MOUNTING HEIGHTS TO CENTER OF OUTLETS UNLESS OTHERWISE NOTED. IN MASONERY CONSTRUCTION THE ABOVE MOUNTING HEIGHTS SHALL BE USED FOR REFERENCE TO NEAREST BLOCK OR BRICK COURSING.
2. THE ABOVE MOUNTING HEIGHTS SHALL BE ADHERED TO UNLESS SPECIFICALLY NOTED OR DETAILED OTHERWISE ON THE DRAWINGS OR SPECIFICATIONS.
3. A (*) SYMBOL BESIDE A DEVICE INDICATES DEVICE MOUNTED ABOVE COUNTER OR CASEWORK. REFER TO ARCHITECTURAL AND CASEWORK DETAILS FOR ACTUAL ELEVATION.

THIS IS A STANDARD SYMBOL LIST. ALL DEVICES, SYMBOLS AND ABBREVIATIONS MAY NOT NECESSARLY APPEAR ON THE PLANS. ONLY THOSE SYMBOLS INDICATED ON PLANS ARE USED FOR THIS PROJECT. ALL OTHERS ARE TO BE CONSIDERED NOT USED AND SHOULD BE DISREGARDED.

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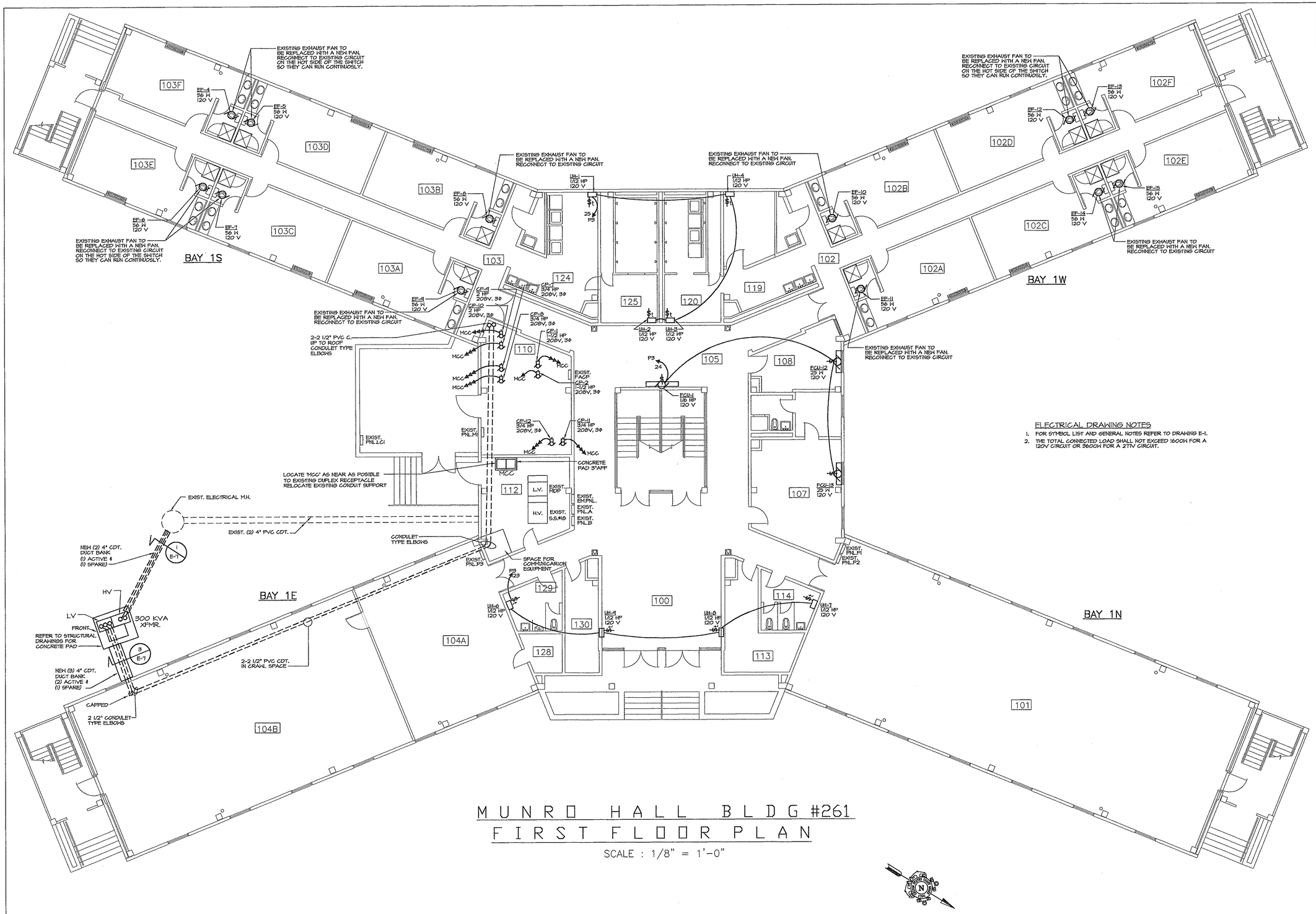
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MUNRO HALL HVAC RENOVATIONS
TRACEN
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BUILDING #261
ELECTRICAL NOTES AND SYMBOLS

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ELECTRICAL DRAWING NOTES

1. FOR SYMBOL LIST AND GENERAL NOTES REFER TO DRAWING E-1.
2. THE TOTAL CONNECTED LOAD SHALL NOT EXCEED 1600W FOR A 120V CIRCUIT OR 3600W FOR A 2TTV CIRCUIT.

MUNRO HALL BLDG #261
FIRST FLOOR PLAN

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

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1 MUNRO AVE
CAPE MAY, NJ 08204-5092

ISSUE		
	12/16/05	AS-BUILT
MARK	DATE	DESCRIPTION

A/E PROJECT NO:	
CAD FILE NAME:	
DESIGNED BY:	
DRAWN BY:	
EDITED BY:	
CHECKED BY:	
SCALE: AS NOTED	PLOT SCALE:

SHEET TITLE

MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261

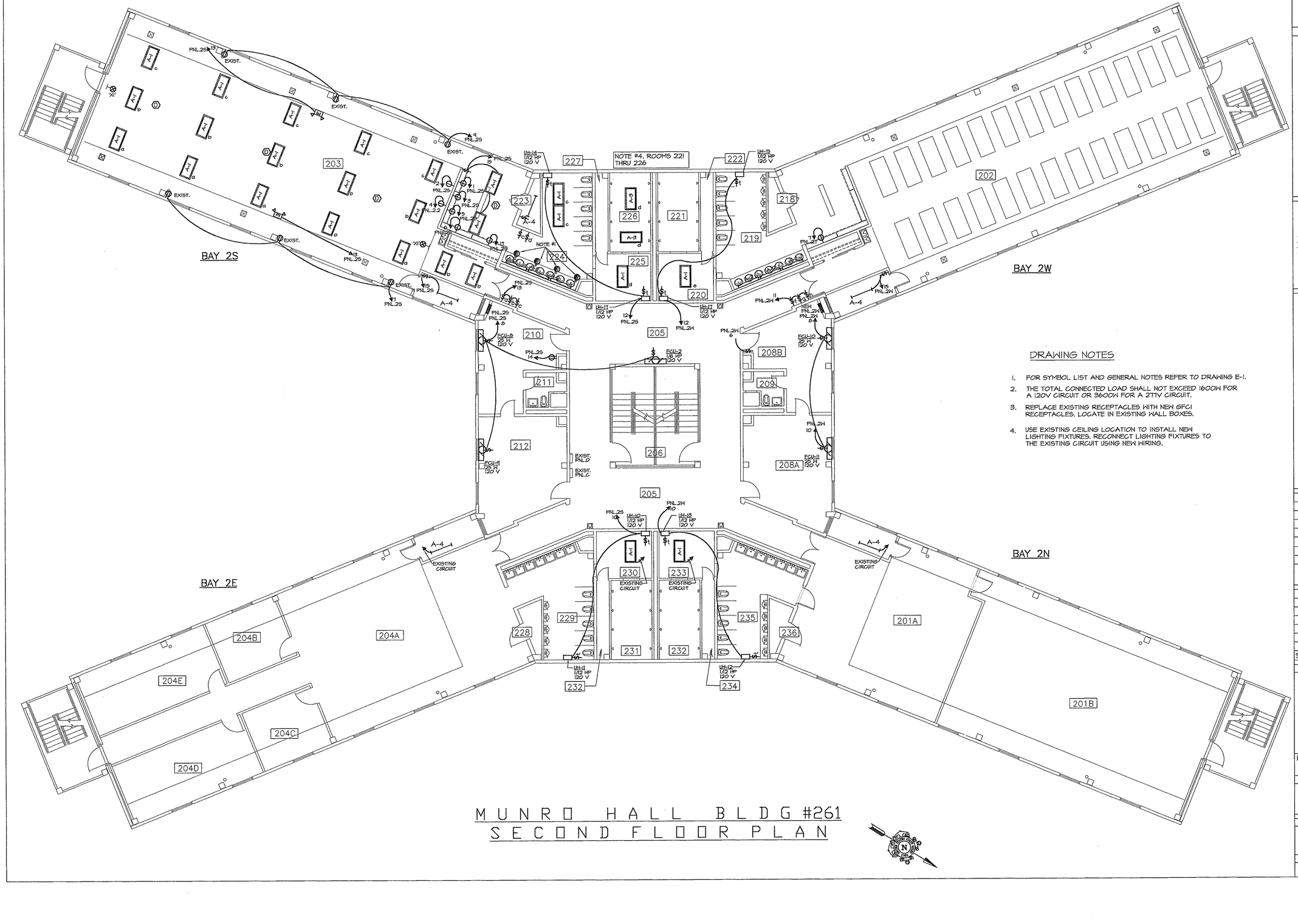
FIRST FLOOR PLAN
ELECTRICAL

REVIEWED BY: EIC	REVIEWED BY: MGR	REVIEWED BY: TD
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

CO — APPROVING OFFICER
15 NOV 2004 — DATE

PROJECT NUMBER	DRAWING NUMBER
T04026	T-5409-ED
DISCIPLINE/SHT NO	
E2	SHEET 37 OF 43

K:\2406S USCG Munro Hall\As-Built\VP-ELEC\E2.dwg Mon Dec 19 11:28:13 2005



DRAWING NOTES

1. FOR SYMBOL LIST AND GENERAL NOTES REFER TO DRAWING E-1.
2. THE TOTAL CONNECTED LOAD SHALL NOT EXCEED 1600W FOR A 120V CIRCUIT OR 3600W FOR A 277V CIRCUIT.
3. REPLACE EXISTING RECEPTACLES WITH NEW GFCI RECEPTACLES. LOCATE IN EXISTING WALL BOXES.
4. USE EXISTING CEILING LOCATION TO INSTALL NEW LIGHTING FIXTURES. RECONNECT LIGHTING FIXTURES TO THE EXISTING CIRCUIT USING NEW WIRING.

MUNRO HALL BLDG #261
SECOND FLOOR PLAN

PCE
Puente Construction Enterprises Inc.
48-50 Newton Avenue
Woodbury NJ 08096
856-848-0019
FAX 856-848-0081
Concord Street
Fort Dix , NJ 08640
609-723-2940
FAX 609-723-2953

CONSULTANTS

VINOKUR-PACE ENGINEERING SERVICES, INC.
135 Old York Rd. P.O.Box 2158
Jenkintown, PA. 19046
Tel.:215-885-5900 Fax:215-885-2642

U. S. COAST GUARD
TRAINING CENTER
CAPE MAY

USCG, TRACEN CAPE MAY
1 MUNRO AVE
CAPE MAY, NJ 08204-5092

ISSUE		
	12/16/05	AS-BUILT
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SCALE: AS NOTED	PLOT SCALE:

SHEET TITLE

MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261

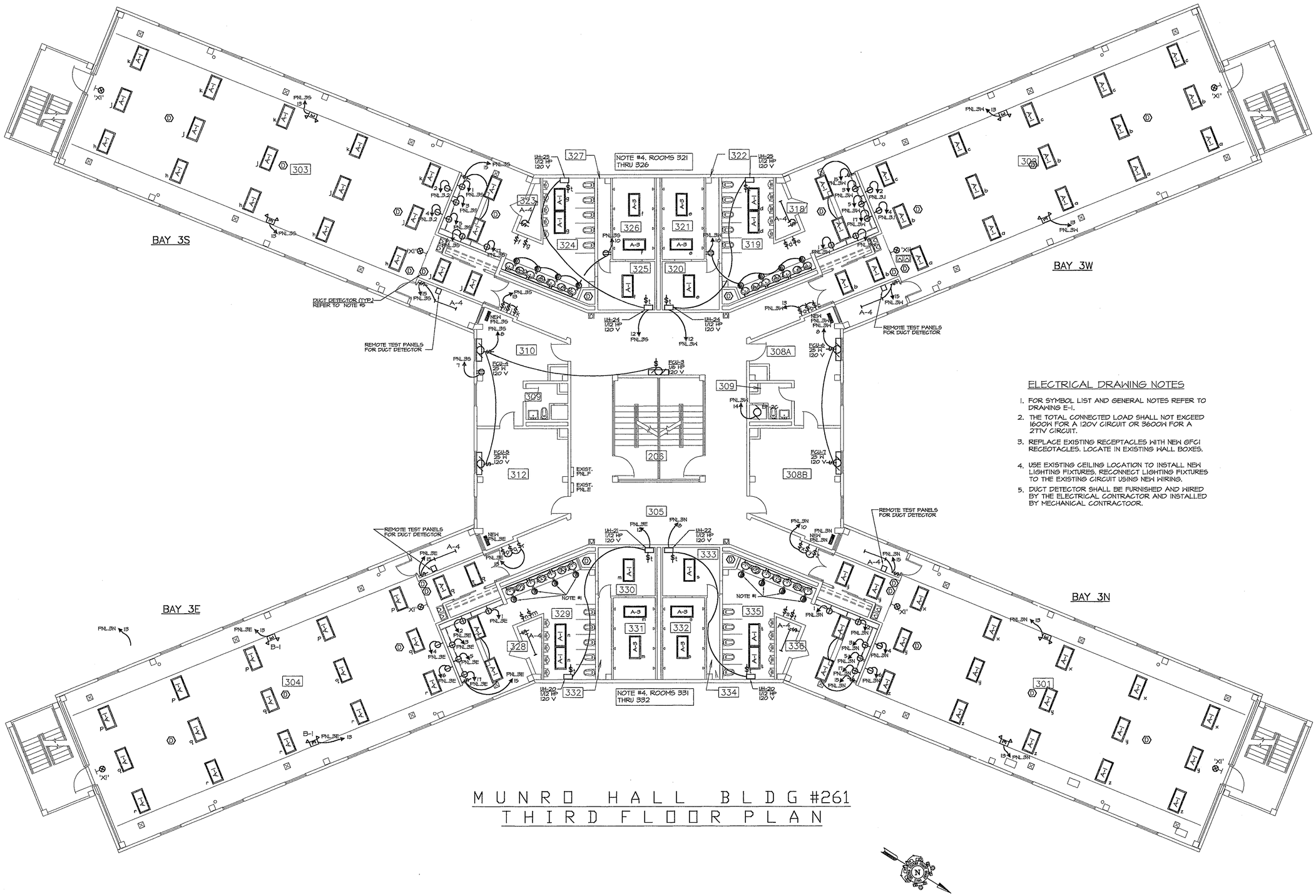
SECOND FLOOR PLAN
ELECTRICAL

REVIEWED BY: EIC	REVIEWED BY: MGR	REVIEWED BY: TD
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

CO	15 NOV 2004
APPROVING OFFICER	DATE

PROJECT NUMBER	DRAWING NUMBER
T04026	T-5410-ED
DISCIPLINE/SHT NO	
E3	SHEET 38 OF 43

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ELECTRICAL DRAWING NOTES

1. FOR SYMBOL LIST AND GENERAL NOTES REFER TO DRAWING E-1.
2. THE TOTAL CONNECTED LOAD SHALL NOT EXCEED 1600W FOR A 120V CIRCUIT OR 3600W FOR A 277V CIRCUIT.
3. REPLACE EXISTING RECEPTACLES WITH NEW GFCI RECEOTACLES. LOCATE IN EXISTING WALL BOXES.
4. USE EXISTING CEILING LOCATION TO INSTALL NEW LIGHTING FIXTURES. RECONNECT LIGHTING FIXTURES TO THE EXISTING CIRCUIT USING NEW WIRING.
5. DUCT DETECTOR SHALL BE FURNISHED AND WIRED BY THE ELECTRICAL CONTRACTOR AND INSTALLED BY MECHANICAL CONTRACTOOR.

MUNRO HALL BLDG #261
THIRD FLOOR PLAN

PCE
Puente Construction Enterprises Inc.
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Woodbury NJ 08096
856-848-0919
FAX 856-848-0081
Concord Street
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	12/16/05	AS-BUILT
MARK	DATE	DESCRIPTION

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SCALE: AS NOTED	PLOT SCALE:

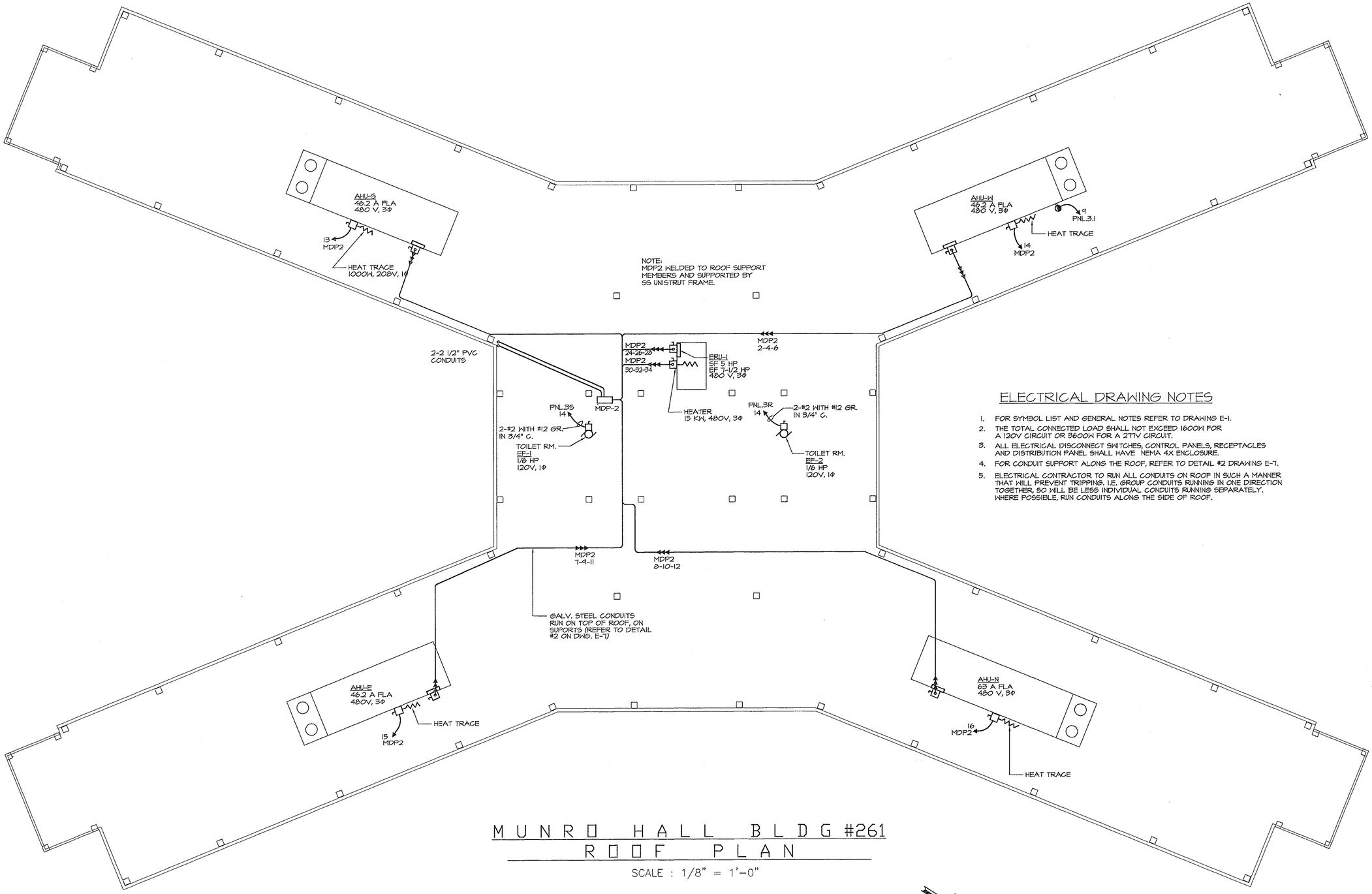
SHEET TITLE
MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261
THIRD FLOOR PLAN
ELECTRICAL

REVIEWED BY: EIC	REVIEWED BY: MGR	REVIEWED BY: TD
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

CO — APPROVING OFFICER
15 NOV 2004 — DATE

PROJECT NUMBER	DRAWING NUMBER
T04026	T-5411-ED
DISCIPLINE/SHT NO	
E4	SHEET 39 OF 43

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MUNRO HALL BLDG #261
ROOF PLAN

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

ELECTRICAL DRAWING NOTES

1. FOR SYMBOL LIST AND GENERAL NOTES REFER TO DRAWING E-1.
2. THE TOTAL CONNECTED LOAD SHALL NOT EXCEED 1600W FOR A 120V CIRCUIT OR 3600W FOR A 277V CIRCUIT.
3. ALL ELECTRICAL DISCONNECT SWITCHES, CONTROL PANELS, RECEPTACLES AND DISTRIBUTION PANEL SHALL HAVE NEMA 4X ENCLOSURE.
4. FOR CONDUIT SUPPORT ALONG THE ROOF, REFER TO DETAIL #2 DRAWING E-7.
5. ELECTRICAL CONTRACTOR TO RUN ALL CONDUITS ON ROOF IN SUCH A MANNER THAT WILL PREVENT TRIPPING. I.E. GROUP CONDUITS RUNNING IN ONE DIRECTION TOGETHER, SO WILL BE LESS INDIVIDUAL CONDUITS RUNNING SEPARATELY. WHERE POSSIBLE, RUN CONDUITS ALONG THE SIDE OF ROOF.

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	12/16/05	AS-BUILT
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EDITED BY:	
CHECKED BY:	
SCALE: AS NOTED	PLOT SCALE:

SHEET TITLE

MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261

ROOF PLAN
ELECTRICAL

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
EIC	MGR	TD
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

CO APPROVING OFFICER	15 NOV 2004 DATE

PROJECT NUMBER	DRAWING NUMBER
T04026	T-5412-ED
DISCIPLINE/SHT NO E5	SHEET 40 OF 43

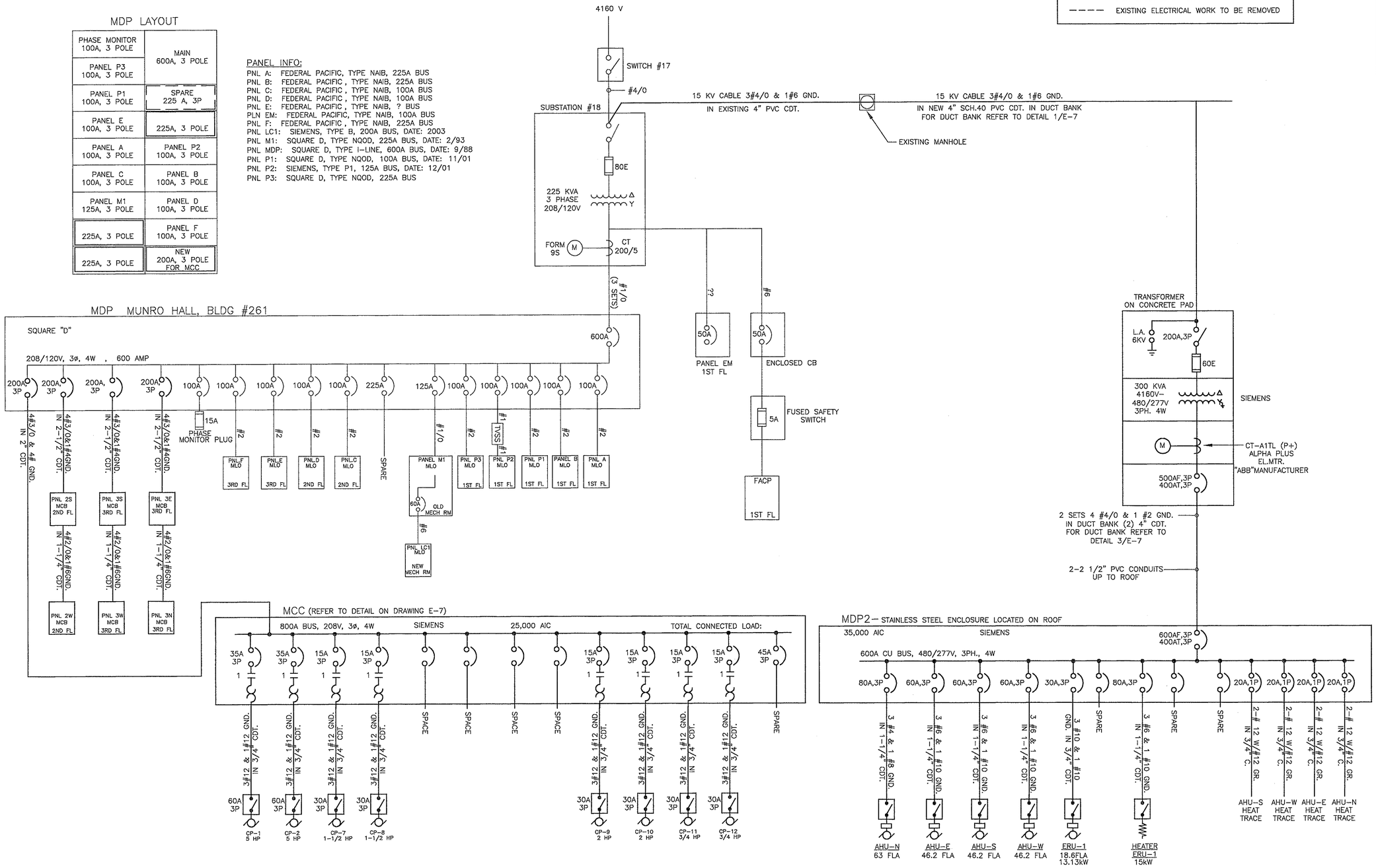
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MDP LAYOUT

PHASE MONITOR 100A, 3 POLE	MAIN 600A, 3 POLE
PANEL P3 100A, 3 POLE	
PANEL P1 100A, 3 POLE	SPARE 225 A, 3P
PANEL E 100A, 3 POLE	225A, 3 POLE
PANEL A 100A, 3 POLE	PANEL P2 100A, 3 POLE
PANEL C 100A, 3 POLE	PANEL B 100A, 3 POLE
PANEL M1 125A, 3 POLE	PANEL D 100A, 3 POLE
225A, 3 POLE	PANEL F 100A, 3 POLE
225A, 3 POLE	NEW 200A, 3 POLE FOR MCC

PANEL INFO:
PNL A: FEDERAL PACIFIC, TYPE NAIB, 225A BUS
PNL B: FEDERAL PACIFIC , TYPE NAIB, 225A BUS
PNL C: FEDERAL PACIFIC , TYPE NAIB, 100A BUS
PNL D: FEDERAL PACIFIC , TYPE NAIB, 100A BUS
PNL E: FEDERAL PACIFIC , TYPE NAIB, ? BUS
PLN EM: FEDERAL PACIFIC, TYPE NAIB, 100A BUS
PNL F: FEDERAL PACIFIC , TYPE NAIB, 225A BUS
PNL LC1: SIEMENS, TYPE B, 200A BUS, DATE: 2003
PNL M1: SQUARE D, TYPE NQOD, 225A BUS, DATE: 2/93
PNL MDP: SQUARE D, TYPE I-LINE, 600A BUS, DATE: 9/88
PNL P1: SQUARE D, TYPE NQOD, 100A BUS, DATE: 11/01
PNL P2: SIEMENS, TYPE P1, 125A BUS, DATE: 12/01
PNL P3: SQUARE D, TYPE NQOD, 225A BUS

LEGEND:
EXISTING ELECTRICAL WORK TO REMAIN
NEW ELECTRICAL WORK
EXISTING ELECTRICAL WORK TO BE REMOVED



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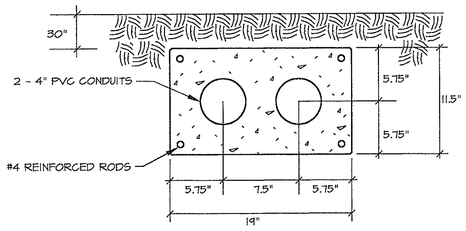
SHEET TITLE
MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261

SINGLE LINE DIAGRAM

REVIEWED BY: EIC	REVIEWED BY: MGR	REVIEWED BY: TD
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
CO — APPROVING OFFICER		15 NOV 2004 — DATE

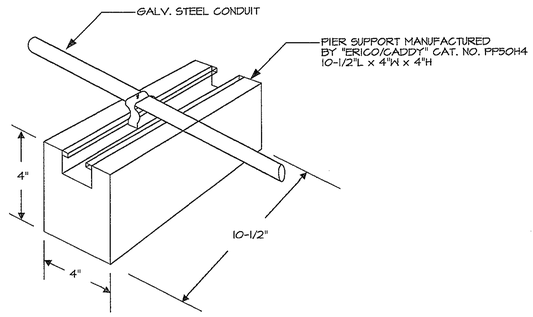
PROJECT NUMBER	DRAWING NUMBER
T04026	T-5413-ED
DISCIPLINE/SHT NO: E6	SHEET 41 OF 43

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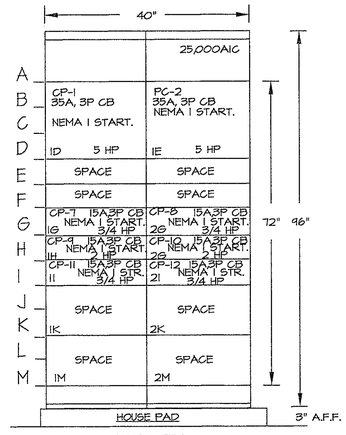
1 / E-7 ENCASED CONDUIT-DETAIL

NO SCALE



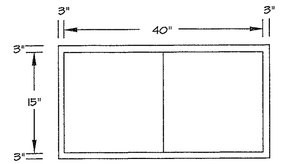
2 / E-7 CONDUIT PIER SUPPORT-DETAIL

NO SCALE



FRONT VIEW

CUBICLES SIZE ARE FOR ACCOUNTING PUORPUSE ONLY.
THE REAL PHYSICAL SIZE TO BE VERIFIED WITH THE MANUFACTURER.

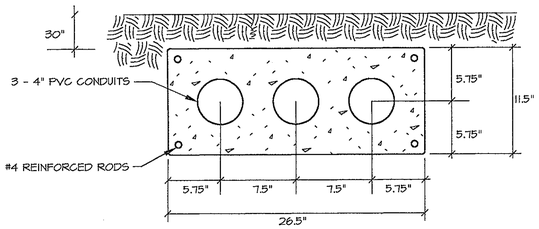


TOP VIEW

MCC

208V, 3Ø, 3W

LOCATED IN MECHANICAL ROOM, FIRST FLOOR



3 / E-7 ENCASED CONDUIT-DETAIL

NO SCALE

LIGHTING FIXTURE SCHEDULE

TYPE	LAMP/WATTS	MANUFACTURER	CAT.NO.	DESCRIPTION	MOUNTING
A-1	2-32W T-8	METALUX	2GR8-232-A-120V-ER8	2' X 4' FLOURESCENT, COMMERCIAL GRADE STATIC TROFFER LIGHTING FIXTURE, #12 PATTERN ACRYLIC LENS, WITH ELECTRONIC BALLAST.	RECESSED
A-1A	3-32W T-8	METALUX	2GR8-332-A-120V-ER8	2' X 4' FLOURESCENT, COMMERCIAL GRADE STATIC TROFFER LIGHTING FIXTURE, #12 PATTERN ACRYLIC LENS, WITH ELECTRONIC BALLAST.	RECESSED
A-2	2-32W T-8	METALUX	BA-UB-232-HTS-120V-ER8	4' LENGTH WALL BRACKET, BRUSHED ALUMINIUM, UP/DOWN CONFIGURATION, 2-32W T8 LAMPS, WITH ELECTRONIC BALLAST.	SURFACE
A-3	3-32W T-8	METALUX	CFDXF-232-120V-EB81	2'X4' RECESSED STATIC TROFFER, UL LISTED FOR WET LOCATION, 3-32W T8 LAMPS, 120V, WITH ELECTRONIC BALLAST. DFF-24W-U DRY WALL FRAME AND KIT TO BE USED WITH THE FIXTURE.	RECESSED
A-4	1-32W T-8	METALUX	SN-132-120V-ER8	4' MULTI-PURPOSE NARROW STRIP LIGHT, 1-32W T-8 LAMP, WITH ELECTRONIC BALLAST.	SURFACE
X-1	-	SRB TECHNOLOGIE	B100-20-BK-RD	SELF LUMINOUS RADIOACTIVE EXIT LIGHT, MODEL 'B' TYPE	CEILING OR WALL MTD.

* ALL FLUORESCENT LIGHTING TUBES SHALL BE 4100K (COOL WHITE).

208/120V, 3Ø, 4W
225A MLO

EXIST. PNL. P3

WATTS	LOCATION	BKR.	SIZE		BKR.	SIZE	LOCATION	WATTS
	INSTRUCTORS STATION	20A, 1P		1 16		20A, 1P	NEAR SOUTH STATION	
	FAR NORTH STATION	20A, 1P		2 17		20A, 1P	FAR SOUTH STATION	
	NEW TRACK LIGHTS	20A, 1P		3 18		20A, 1P	MIDDLE SOUTH STATION	
	NEW TRACK LIGHTS	20A, 1P		4 19		20A, 1P	EXISTING CIRCUIT	
	NEW TRACK LIGHTS	20A, 1P		5 20		20A, 1P	EXISTING CIRCUIT	
	GFCI FLOOR RECEPTACLES	20A, 1P		6 21		20A, 1P	EXISTING CIRCUIT	
	EXISTING CIRCUIT	20A, 1P		7 22		20A, 1P	EXISTING CIRCUIT	
	EXISTING CIRCUIT	20A, 1P		8 23		20A, 1P	UH-6,7,8,9	1056
	SPACE			9 24		20A, 1P	FCU-1, FC-12 & FC-13	578
	SPACE			10 25		20A, 1P	UH-1,2,3,4	1056
	SPACE			11 26			SPACE	
	SPACE			12 27			SPACE	
	SPACE			13 28			SPACE	
	SPACE			14 29			SPACE	
	SPACE			15 30			SPACE	

NEW CONNECTED LOAD: 3.75 kW

—— NEW BREAKER AND CIRCUIT
—— EXISTING BREAKER AND CIRCUIT

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U. S. COAST GUARD

TRAINING CENTER
CAPE MAY

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SCALE: AS NOTED	PLOT SCALE:

SHEET TITLE

MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261

SCHEDULES AND DETAILS

REVIEWED BY: EIC	REVIEWED BY: MGR	REVIEWED BY: TD
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

CO — APPROVING OFFICER
15 NOV 2004 — DATE

PROJECT NUMBER	DRAWING NUMBER
T04026	T-5414-ED
DISCIPLINE/SHT NO	
E7	SHEET 42 OF 43

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208/120V, 3PH., 4W
100A MCB

SIEMENS

PANEL 2 WEST

2ND. FLOOR
RECESSED

WATTS	LOCATION	BKR.	SIZE		BKR.	SIZE	LOCATION	WATTS
	SPARE	20A,1P		1,2	20A,1P		SPARE	
	SPARE	20A,1P		3,4	20A,1P		SPARE	
	SPARE	20A,1P		5,6	20A,1P		LIGHTS IN C.O.'S OFFICE	
	SPARE	20A,1P		7,8	20A,1P		FCU-10 & FCU-11	100W
	SPARE	20A,1P		9,10	20A,1P		SPARE	
	SPARE	20A,1P		11,12	20A,1P		(2) UH'S BATH WEST	696W
	SPARE	20A,1P		13,14	20A,1P		SPARE	
	LIGHTS MECH. ROOM	20A,1P		15,16	20A,1P		SPARE	
	SPARE	20A,1P		17,18	20A,1P		SPARE	
	SPACE			19,20			SPACE	
	SPACE			21,22			SPACE	
	SPACE			23,24			SPACE	
	SPACE			25,26			SPACE	
	SPACE			27,28			SPACE	
	SPACE			29,30			SPACE	

TOTAL CONNECTED LOAD: 10,000 AIC

208/120V, 3PH., 4W
200A MCB

SIEMENS

PANEL 2 SOUTH

2ND. FLOOR
RECESSED

WATTS	LOCATION	BKR.	SIZE		BKR.	SIZE	LOCATION	WATTS
1000W	(1) REC. – IRON	20A,1P		1,2	20A,1P		(1) REC. – IRON	1000W
1000W	(1) REC. – IRON	20A,1P		3,4	20A,1P		(1) REC. – IRON	1000W
1000W	(1) REC. – IRON	20A,1P		5,6	20A,1P		(1) REC. – IRON	1000W
600W	RECEPT'S SQUAD BAY	20A,1P		7,8	20A,1P		FCU-2,FCU-8 & FCU-9	628W
600W	RECEPT'S SQUAD BAY	20A,1P		9,10	20A,1P		(2) BATH UNIT HEATERS'S EAST	696W
	SPARE	20A,1P		11,12	20A,1P		(2) BATH UNIT HEATERS'S SOUTH	696W
1088W	EMERGENCY LTG. SUAD BAY	20A,1P		13,14	20A,1P		RECEPTS. IN C.O.'S OFFICE	800W
250W	LTG. CHANGING & MECHANICAL ROOMS	20A,1P		15,16	20A,1P		SPARE	
1000W	(1) REC. – IRON	20A,1P		17,18	20A,1P		SPARE	
	SPARE	20A,1P		19,20	100A,3P			
	SPARE	20A,2P		21,22			FEED TO PANEL 2 WEST	
				23,24				
	SPACE			25,26			SPACE	
	SPACE			27,28			SPACE	
	SPACE			29,30			SPACE	

TOTAL CONNECTED LOAD: 10,000 AIC

208/120V, 3PH., 4W
100A MCB

SIEMENS

PANEL 3 WEST

3RD. FLOOR

WATTS	LOCATION	BKR.	SIZE		BKR.	SIZE	LOCATION	WATTS
1000W	(1) REC. – IRON	20A,1P		1,2	20A,1P		(1) REC. – IRON	1000W
1000W	(1) REC. – IRON	20A,1P		3,4	20A,1P		(1) REC. – IRON	1000W
1000W	(1) REC. – IRON	20A,1P		5,6	20A,1P		(1) REC. – IRON	1000W
	SPARE	20A,1P		7,8	20A,1P		FCU-6 & FCU-7	100W
	SPARE	20A,1P		9,10	20A,1P		BATH GFC OUTLETS	600W
	SPARE	20A,1P		11,12	20A,1P		LTG. CHANGING & MECHANICAL ROOM	152W
1088W	EMERGENCY LTG. SUAD BAY	20A,1P		13,14	20A,1P		EF-2 ROOFTOP TOILETS	
250W	LTG. CHANGING & MECHANICAL ROOMS	20A,1P		15,16	20A,1P		SPARE	
1000W	(1) REC. – IRON	20A,1P		17,18	20A,1P		SPARE	
	SPARE	20A,1P		19,20	20A,1P		SPARE	
	SPACE			21,22			SPACE	
	SPACE			23,24			SPACE	
	SPACE			25,26			SPACE	
	SPACE			27,28			SPACE	
	SPACE			29,30			SPACE	

TOTAL CONNECTED LOAD: 10,000 AIC

208/120V, 3PH., 4W
200A MCB

SIEMENS

PANEL 3 SOUTH

3RD. FLOOR

WATTS	LOCATION	BKR.	SIZE		BKR.	SIZE	LOCATION	WATTS
1000W	(1) REC. – IRON	20A,1P		1,2	20A,1P		(1) REC. – IRON	1000W
1000W	(1) REC. – IRON	20A,1P		3,4	20A,1P		(1) REC. – IRON	1000W
1000W	(1) REC. – IRON	20A,1P		5,6	20A,1P		(1) REC. – IRON	1000W
600W	RECEPT. IN C.O.'S OFFICE	20A,1P		7,8	20A,1P		FCU-3, FCU-4 & FCU-5	628W
300W	SPARE	20A,1P		9,10	20A,1P		BATH GFI RECEPTS.	600W
	SPARE	20A,1P		11,12	20A,1P		(2) BATH UNIT HEATER'S	696W
1088W	EMERGENCY LTG. SUAD BAY	20A,1P		13,14	20A,1P		EF-1 ROOFTOP TOILETS	
250W	LTG. CHANGING & MECHANICAL ROOMS	20A,1P		15,16	20A,1P		SPARE	
1000W	(1) REC. – IRON	20A,1P		17,18	20A,1P		SPARE	
	SPARE	20A,1P		19,20	20A,1P		SPARE	
	SPARE	20A,2P		21,22	100A,3P		FEED TO PANEL 3 WEST	
				23,24				
	SPACE			25,26			SPACE	
	SPACE			27,28			SPACE	
	SPACE			29,30			SPACE	

TOTAL CONNECTED LOAD: 10,000 AIC

208/120V, 3PH., 4W
200A MCB

SIEMENS

PANEL 3 EAST

3RD. FLOOR

WATTS	LOCATION	BKR.	SIZE		BKR.	SIZE	LOCATION	WATTS
1000W	(1) REC. – IRON	20A,1P		1,2	20A,1P		(1) REC. – IRON	1000W
1000W	(1) REC. – IRON	20A,1P		3,4	20A,1P		(1) REC. – IRON	1000W
1000W	(1) REC. – IRON	20A,1P		5,6	20A,1P		(1) REC. – IRON	1000W
	SPARE	20A,1P		7,8	20A,1P		SPARE	
	SPARE	20A,1P		9,10	20A,1P		SPARE	
	SPARE	20A,1P		11,12	20A,3P		UNIT HEATER BATH EAST	512W
1088W	EMERGENCY LIGHTING SQUAD BAY	20A,1P		13,14	20A,1P		SPARE	
250 W	LIGHTS CHANGING AREA AND MECH. ROOM	20A,1P		15,16	20A,1P		SPARE	
1000W	(1) REC. – IRON	20A,1P		17,18	20A,2P		SPARE	
	SPARE	20A,2P		19,20				
	FEED TO PANEL 3 NORTH	100A,3P		21,22	20A,2P		SPARE	
				23,24				
	SPACE			25,26			SPACE	
	SPACE			27,28			SPACE	
	SPACE			29,30			SPACE	

TOTAL CONNECTED LOAD: 10,000 AIC

208/120V, 3PH., 4W
100A MCB

SIEMENS

PANEL 3 NORTH

3RD. FLOOR

WATTS	LOCATION	BKR.	SIZE		BKR.	SIZE	LOCATION	WATTS
1000W	(1) REC. – IRON	20A,1P		1,2	20A,1P		(1) REC. – IRON	1000W
1000W	(1) REC. – IRON	20A,1P		3,4	20A,1P		(1) REC. – IRON	1000W
1000W	(1) REC. – IRON	20A,1P		5,6	20A,1P		(1) REC. – IRON	1000W
	SPARE	20A,1P		7,8	20A,1P		(2) BATH UNIT HEATERS	696 W
	SPARE	20A,1P		9,10	20A,1P		SPARE	
	SPARE	20A,1P		11,12	20A,1P		SPARE	
1088 W	EMERGENCY LIGHTING SQUAD BAY	20A,1P		13,14	20A,1P		SPARE	
250 W	LIGHTS CHANGING AREA AND MECH. ROOM	20A,1P		15,16	20A,1P		SPARE	
1000 W	(1) REC. – IRON	20A,1P		17,18			SPACE	
	SPARE	20A,1P		19,20			SPACE	
	SPACE			21,22			SPACE	
	SPACE			23,24			SPACE	
	SPACE			25,26			SPACE	
	SPACE			27,28			SPACE	
	SPACE			29,30			SPACE	

TOTAL CONNECTED LOAD: 10,000 AIC

PCE
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U. S. COAST GUARD

TRAINING CENTER
CAPE MAY

USCG, TRACEN CAPE MAY
1 MUNRO AVE
CAPE MAY, NJ 08204-5092

ISSUE		
	12/16/05	AS-BUILT
MARK	DATE	DESCRIPTION

A/E PROJECT NO:	
CAD FILE NAME:	
DESIGNED BY:	
DRAWN BY:	
EDITED BY:	
CHECKED BY:	
SCALE: AS NOTED	PLOT SCALE:

SHEET TITLE

MUNRO HALL HVAC RENOVATIONS
TRACEN
CAPE MAY NEW JERSEY
BUILDING #261

PANEL SCHEDULES

REVIEWED BY: EIC	REVIEWED BY: MGR	REVIEWED BY: TD
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

CO — APPROVING OFFICER
15 NOV 2004 — DATE

PROJECT NUMBER	DRAWING NUMBER
T04026	T-5415-ED
DISCIPLINE/SHT NO	
E8	SHEET 43 OF 43

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