

SYMBOL LEGEND	
	EXISTING TO REMAIN
	EXISTING TO BE REMOVED
	NOT IN CONTRACT
	EXISTING PHOTO LOCATION & DIRECTION CALLOUT
	EXISTING STOREFRONT, DOOR & WINDOW TO REMAIN, NO CHANGE
	EXISTING POWER RECEPTACLE (TYP.)
	EXISTING FIRE ALARM MANUAL PULL STATION (TYP.)
	EXISTING FIRE ALARM AUDIO / VISUAL DEVICE (TYP.)
	EXISTING THERMOSTAT (TYP.)
	EXISTING DATA RECEPTACLE (TYP.)
	EXISTING ELECTRICAL PANEL (TYP.)
	EXISTING HOSE BID (TYP.)
	EXISTING REMOTE ACTUATOR (TYP.)
	EXISTING OH. DOOR OPERATOR (TYP.)

NOTE
 THE PHOTOGRAPHS AND DEMOLITION PLAN INDICATED ON THIS DRAWING ARE FOR REFERENCE ONLY TO INDICATE THE EXISTING BUILDING CONDITIONS AT THE TIME OF OUR FIELD INSPECTION. ALL DEMOLITION REQUIRED TO SUCCESSFULLY COMPLETE THIS PROJECT SHALL BE INCLUDED IN THE GENERAL CONTRACTORS SCOPE OF WORK.

GENERAL SELECTIVE DEMOLITION NOTES

- PREPARATION:**
1. PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS AT DOORWAYS WITH CODE REQUIRED SECURITY DEVICES.
 2. NOTIFY OWNER OF WORK WHICH MAY AFFECT THEIR PROPERTY, POTENTIAL NOISE, UTILITY OUTAGE, OR DISRUPTION. COORDINATE ALL WORK WITH OWNER.
 3. PREVENT MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES. PROVIDE BRACING AND SHORING AS REQUIRED.
 4. ERECT AND MAINTAIN TEMPORARY PARTITIONS TO PREVENT SPREAD OF DUST, ODORS AND NOISE TO PERMIT CONTINUED OWNER OCCUPANCY.
 5. PROTECT EXISTING ITEMS INDICATED TO REMAIN.

- DEMOLITION REQUIREMENTS:**
1. CONDUCT DEMOLITION TO MINIMIZE INTERFERENCE TO ADJACENT AREAS.
 2. CONDUCT OPERATIONS WITH MINIMUM INTERFERENCE TO ADJACENT ACCESSES.
 3. MAINTAIN PROTECTED EGRESS AND ACCESS AT ALL TIMES.
 4. CEASE OPERATIONS IMMEDIATELY WHEN ADJACENT STRUCTURAL COMPONENTS APPEAR TO BE IN DANGER. NOTIFY AUTHORITY HAVING JURISDICTION AND A/E.

- SELECTIVE DEMOLITION:**
1. DEMOLISH AND REMOVE COMPONENTS IN ORDERLY AND CAREFUL MANNER, IN SEQUENCE OUTLINED IN SUBMITTED AND APPROVED SCHEDULE.
 2. PROTECT EXISTING SUPPORTING STRUCTURAL MEMBERS.

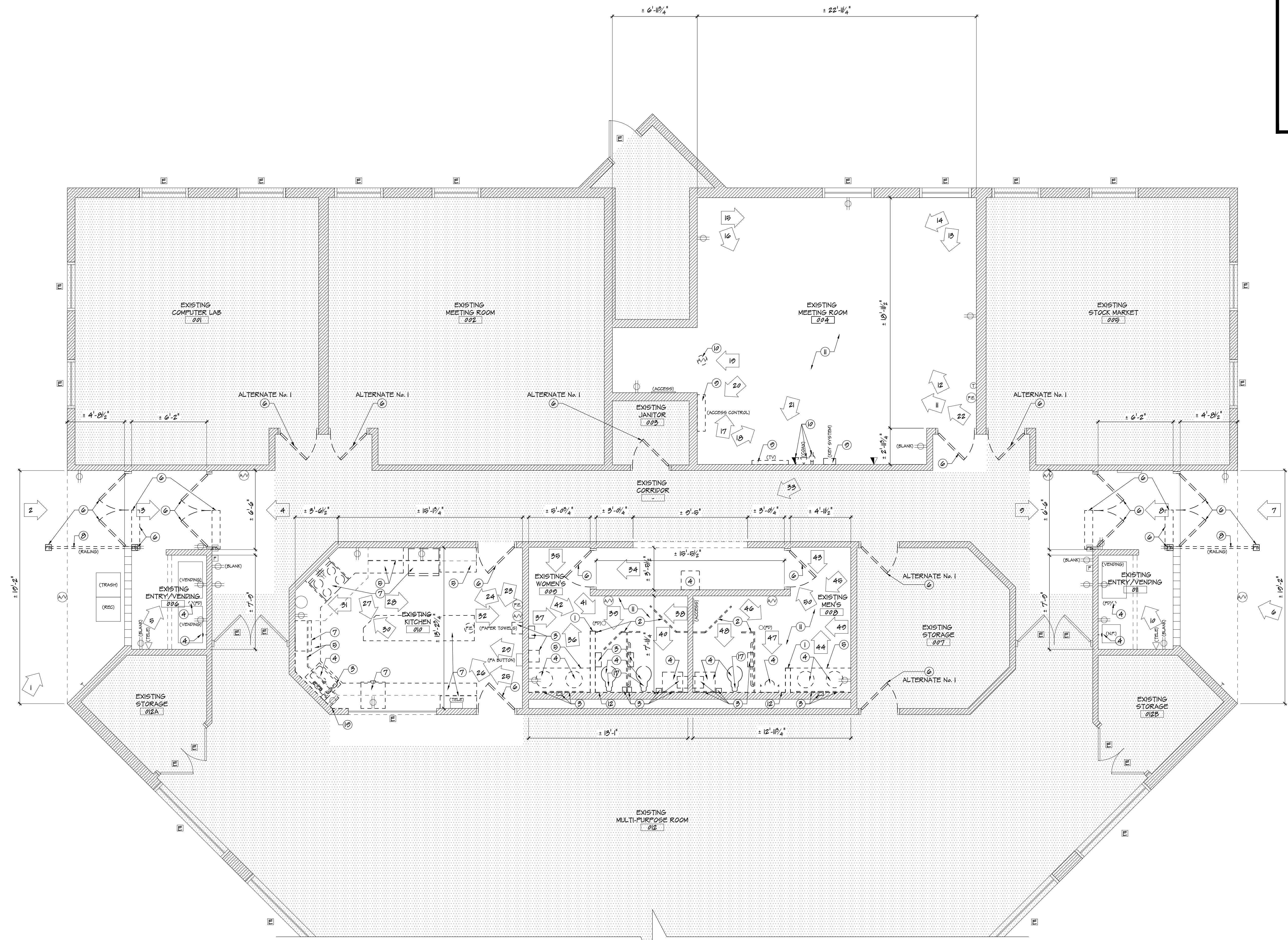
- CLEAN UP:**
1. REMOVE DEMOLISHED MATERIALS FROM SITE AS WORK PROGRESSES.
 2. LEAVE AREAS OF WORK IN CLEAN CONDITION.
 3. DISPOSE OF ALL DEBRIS IN ACCORDANCE WITH ALL STATE AND MUNICIPAL REQUIREMENTS. PROVIDE LOAD TICKETS WHERE APPLICABLE.

TAGGED DEMOLITION NOTES

1. PORTION OF EXISTING WALL TO BE REMOVED TO ALLOW FOR INSTALLATION OF NEW WORK AS INDICATED ON THE DRAWINGS. PATCH TO MATCH SURROUNDING FINISHES (TYP.)
2. EXISTING TOILET PARTITIONS TO BE REMOVED IN THEIR ENTIRETY (TYP.)
3. EXISTING TOILET ACCESSORIES & ALL RELATED ITEMS TO BE REMOVED (TYP.)
4. EXISTING PLUMBING FIXTURES TO BE REMOVED. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION (TYP.)
5. EXISTING COUNTER, BACKSPLASH, CABINETS, & ALL RELATED ITEMS TO BE REMOVED (TYP.)
6. EXISTING DOOR & HARDWARE TO BE REMOVED, EXISTING FRAME TO REMAIN. HARDWARE TO BE TURNED OVER TO THE OWNER. ACTUATORS AND CARD READERS TO BE RELOCATED AS INDICATED (TYP.)
7. EXISTING APPLIANCE & ALL RELATED ITEMS TO BE REMOVED (TYP.)
8. EXISTING RAILING TO BE REMOVED (TYP.)
9. EXISTING COMPONENTS TO BE REMOVED BY OWNER PRIOR TO CONSTRUCTION (TYP.)
10. EXISTING RECEPTACLES / FIRE ALARM DEVICE TO BE REMOVED / RELOCATED. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFO. (TYP.)
11. EXISTING FLOOR FINISH & BASE MOLDING TO BE REMOVED, EXISTING CONCRETE TO BE PREPARED FOR NEW FLOOR FINISH (TYP.)
12. EXISTING WALL FINISH, WALL BOARD, & INSULATION TO BE REMOVED DOWN TO EXISTING STUDS & REPLACED WITH NEW AS INDICATED ON THE DRAWINGS (TYP.)

UPON DEMOLITION OF EXISTING WALL BOARD & INSULATION, THE GC IS TO CONTACT THE ARCHITECT & OWNER SO A SITE VISIT CAN BE SCHEDULED TO PERFORM A VISUAL INSPECTION OF ALL EXISTING PLUMBING LINES TO DETERMINE IF ADDITIONAL REPAIRS ARE REQUIRED PRIOR TO CLOSING UP THE WALLS (TYP.)

17. EXISTING CONCRETE TO BE REMOVED & REPLACED, TO MATCH EXISTING, TO ALLOW FOR PROPOSED PLUMBING WORK. COORDINATE EXTENT OF WORK WITH PLUMBING DRAWINGS (TYP.)
18. EXISTING WALL FINISH, WALL BOARD TO BE REMOVED DOWN TO EXISTING STUDS & REPLACED WITH NEW AS REQUIRED FOR PLUMBING WORK. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION (TYP.)



1 DEMOLITION PLAN
 D-1 SCALE: 1/4" = 1'-0"



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 Townsend Residential
 Life Center
 101 Vera King Farris Dr.
 Atlantic County
 Galloway
 New Jersey

PROPOSED RENOVATIONS TO
**STOCKTON UNIVERSITY
 TOWNSEND RESIDENTIAL
 LIFE CENTER**
 101 VERA KING FARRIS DR.
 ATLANTIC COUNTY
 GALLOWAY
 NEW JERSEY

Issue For Bid
MARCH 12, 2021

Sheet Title
DEMOLITION PLAN

Drawn By	DS	2
Checked By	MPY	21

Sheet No.
D-1

Project No.
 YC20122

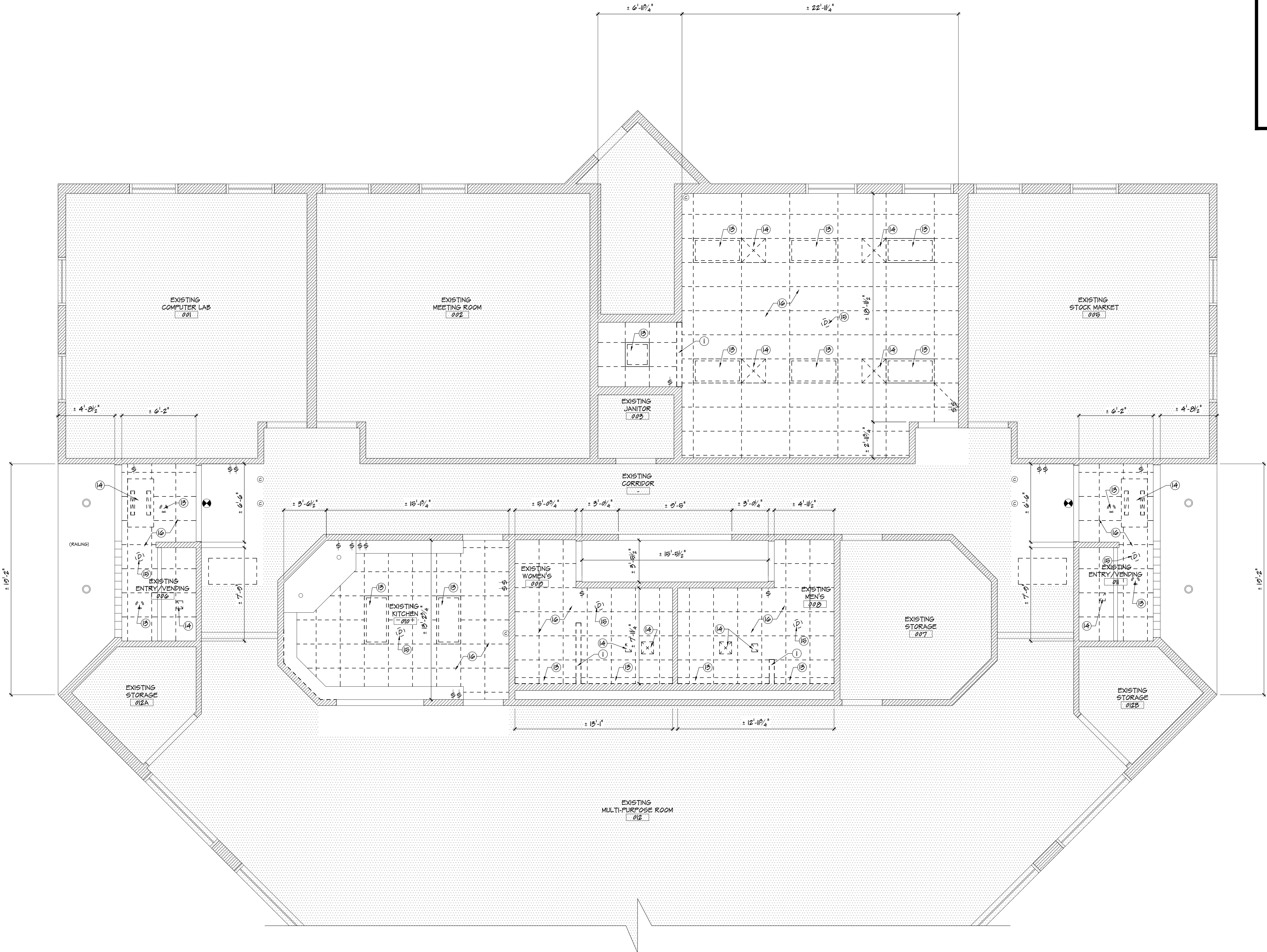
SYMBOL LEGEND	
	EXISTING TO REMAIN
	NOT IN CONTRACT
	EXISTING CEILING GRID (TYP.)
	EXISTING 2x4 LIGHT FIXTURE (TYP.)
	EXISTING 2x2 LIGHT FIXTURE (TYP.)
	EXISTING EXIT SIGN (TYP.)
	EXISTING SUPPLY DIFFUSER (TYP.)
	EXISTING RETURN DIFFUSER (TYP.)
	EXISTING EXHAUST FAN (TYP.)
	EXISTING SWITCH (TYP.)
	EXISTING DETECTOR (TYP.)
	EXISTING TO BE REMOVED

GENERAL NOTE
REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ALL ADDITIONAL REQUIRED WORK NOT SPECIFICALLY INDICATED ON THESE DRAWINGS (TYP.)

NOTE
THE PHOTOGRAPHS AND DEMOLITION PLAN INDICATED ON THIS DRAWING ARE FOR REFERENCE ONLY TO INDICATE THE EXISTING BUILDING CONDITIONS AT THE TIME OF OUR FIELD INSPECTION. ALL DEMOLITION REQUIRED TO SUCCESSFULLY COMPLETE THIS PROJECT SHALL BE INCLUDED IN THE GENERAL CONTRACTORS SCOPE OF WORK.

- GENERAL SELECTIVE DEMOLITION NOTES**
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 - ERECT AND MAINTAIN TEMPORARY PARTITIONS TO PREVENT SPREAD OF DUST, ODORS AND NOISE TO PERMIT CONTINUED OWNER OCCUPANCY.
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 - CEASE OPERATIONS IMMEDIATELY WHEN ADJACENT STRUCTURAL COMPONENTS APPEAR TO BE IN DANGER. NOTIFY AUTHORITY HAVING JURISDICTION AND A/E.
- SELECTIVE DEMOLITION:**
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 - PROTECT EXISTING SUPPORTING STRUCTURAL MEMBERS.
- CLEAN UP:**
- REMOVE DEMOLISHED MATERIALS FROM SITE AS WORK PROGRESSES.
 - LEAVE AREAS OF WORK IN CLEAN CONDITION.
 - DISPOSE OF ALL DEBRIS IN ACCORDANCE WITH ALL STATE AND MUNICIPAL REQUIREMENTS. PROVIDE LOAD TICKETS WHERE APPLICABLE.

- TAGGED DEMOLITION NOTES**
- PORTION OF EXISTING WALL TO BE REMOVED TO ALLOW FOR INSTALLATION OF NEW WORK AS INDICATED ON THE DRAWINGS. PATCH TO MATCH SURROUNDING FINISHES (TYP.)
 - EXISTING LIGHTING TO BE REMOVED / RELOCATED. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFO. (TYP.)
 - EXISTING MECHANICAL COMPONENTS TO BE REMOVED / RELOCATED. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFO. (TYP.)
 - EXISTING ELECTRICAL COMPONENTS TO BE REMOVED / RELOCATED. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFO. (TYP.)
 - EXISTING CEILING TILE AND GRID TO BE REMOVED (TYP.)
 - EXISTING CEILING TILE AND GRID TO BE MODIFIED AS REQUIRED TO INSTALL NEW HVAC UNIT. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION (TYP.)



1 DEMOLITION REFLECTED CEILING PLAN
D-1 SCALE: 1/4" = 1'-0"



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PROPOSED RENOVATIONS TO
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LIFE CENTER**
101 VERA KING FARRIS DR.
ATLANTIC COUNTY
GALLOWAY
NEW JERSEY

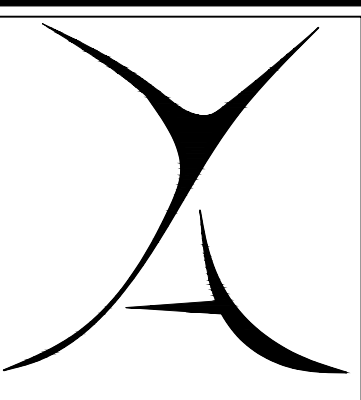
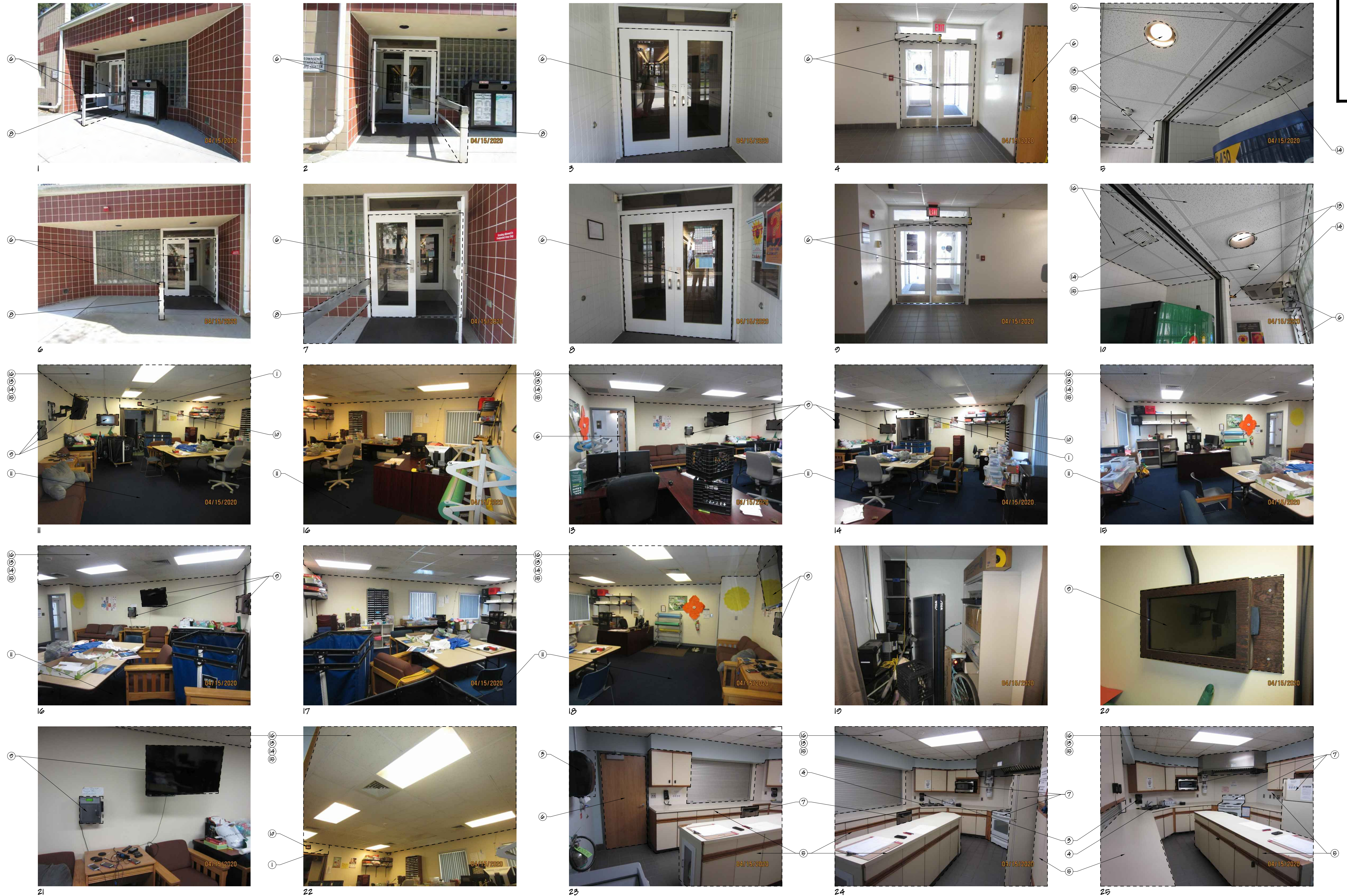
Issue For Bid
MARCH 12, 2021

Drawn By	DS	3
Checked By	MPY	21

Sheet Title	DEMOLITION REFLECTED CEILING PLAN	
Drawn By	DS	3
Checked By	MPY	21

Sheet No.
D-2

Project No.
YC20122



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 NEW JERSEY

Project

Issued For Bid
MARCH 12, 2021

Revised By Date

Sheet Title
**EXISTING CONDITION
 PHOTOGRAPHS**

Drawn By	DS	4
Checked By	MPY	21

Sheet No.

D-3

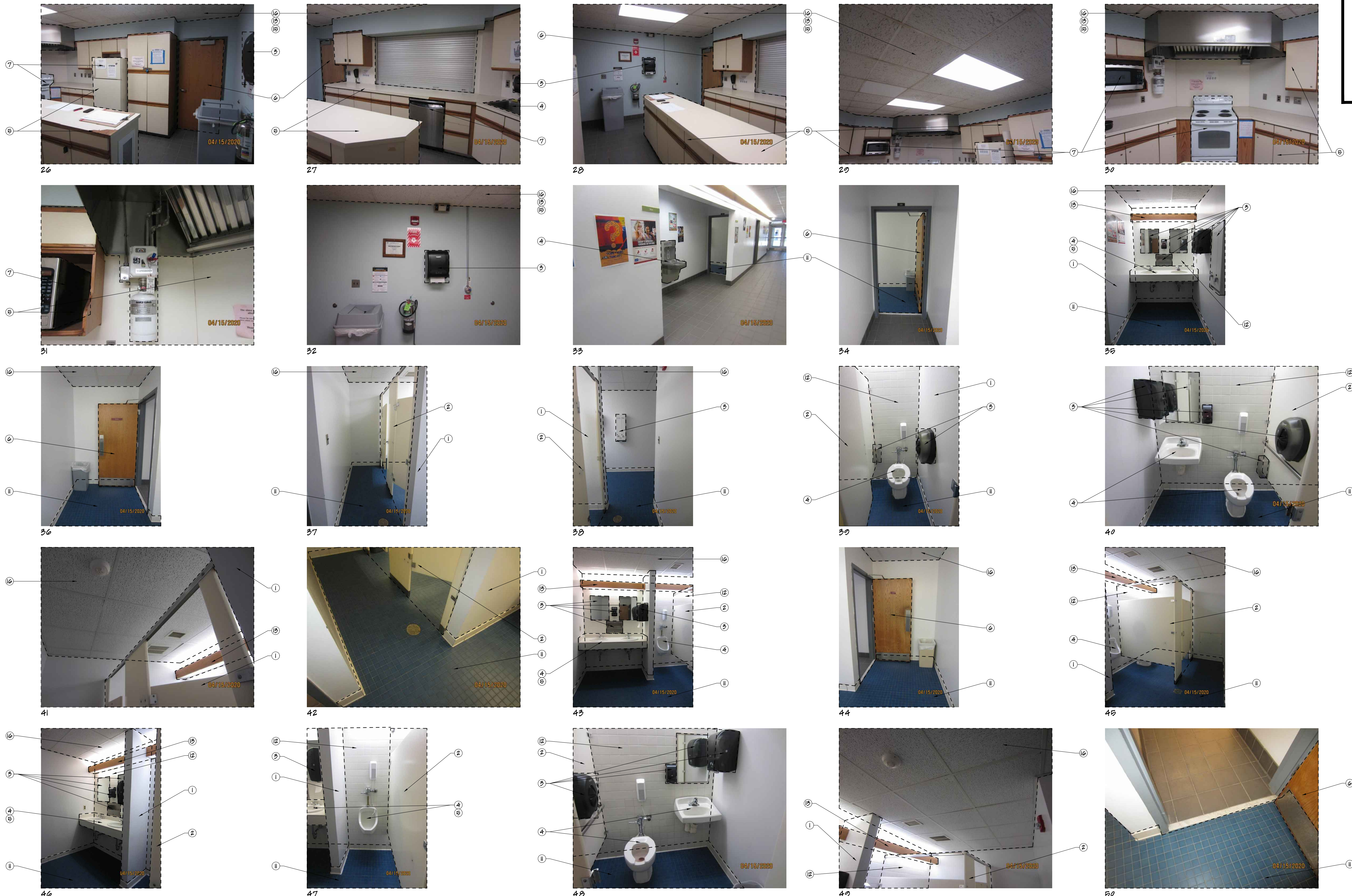
Project No.
 YC20122

Do Not Scale Drawings - Field check all dimensions prior to start of construction.

1 EXISTING CONDITION PHOTOGRAPHS
 D-3 SCALE: N.T.S.

THE PHOTOGRAPHS INDICATED ON THESE DRAWINGS ARE FOR REFERENCE ONLY TO INDICATE THE EXISTING BUILDING CONDITIONS AT THE TIME OF OUR FIELD INSPECTION. ALL DEMOLITION REQUIRED TO SUCCESSFULLY COMPLETE THIS PROJECT SHALL BE INCLUDED IN THE GENERAL CONTRACTOR'S SCOPE OF WORK. THE GENERAL CONTRACTOR IS TO COORDINATE THE EXTENT OF DEMOLITION WITH THE ENTIRE SET OF DRAWINGS AND FIELD CONDITIONS.

REFER TO DEMO PLANS FOR THE PHOTO LOCATION TAGS & THE LIST OF TAGGED DEMOLITION NOTES (TYP.)



1 EXISTING CONDITION PHOTOGRAPHS
D-4 SCALE: N.T.S.

NOTE
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NOTE
REFER TO DEMO PLANS FOR THE PHOTO LOCATION TAGS & THE LIST OF TAGGED DEMOLITION NOTES (TYP.)

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GALLOWAY
NEW JERSEY

Project: YC20122

Issued For Bid: MARCH 12, 2021

Revised By	Date

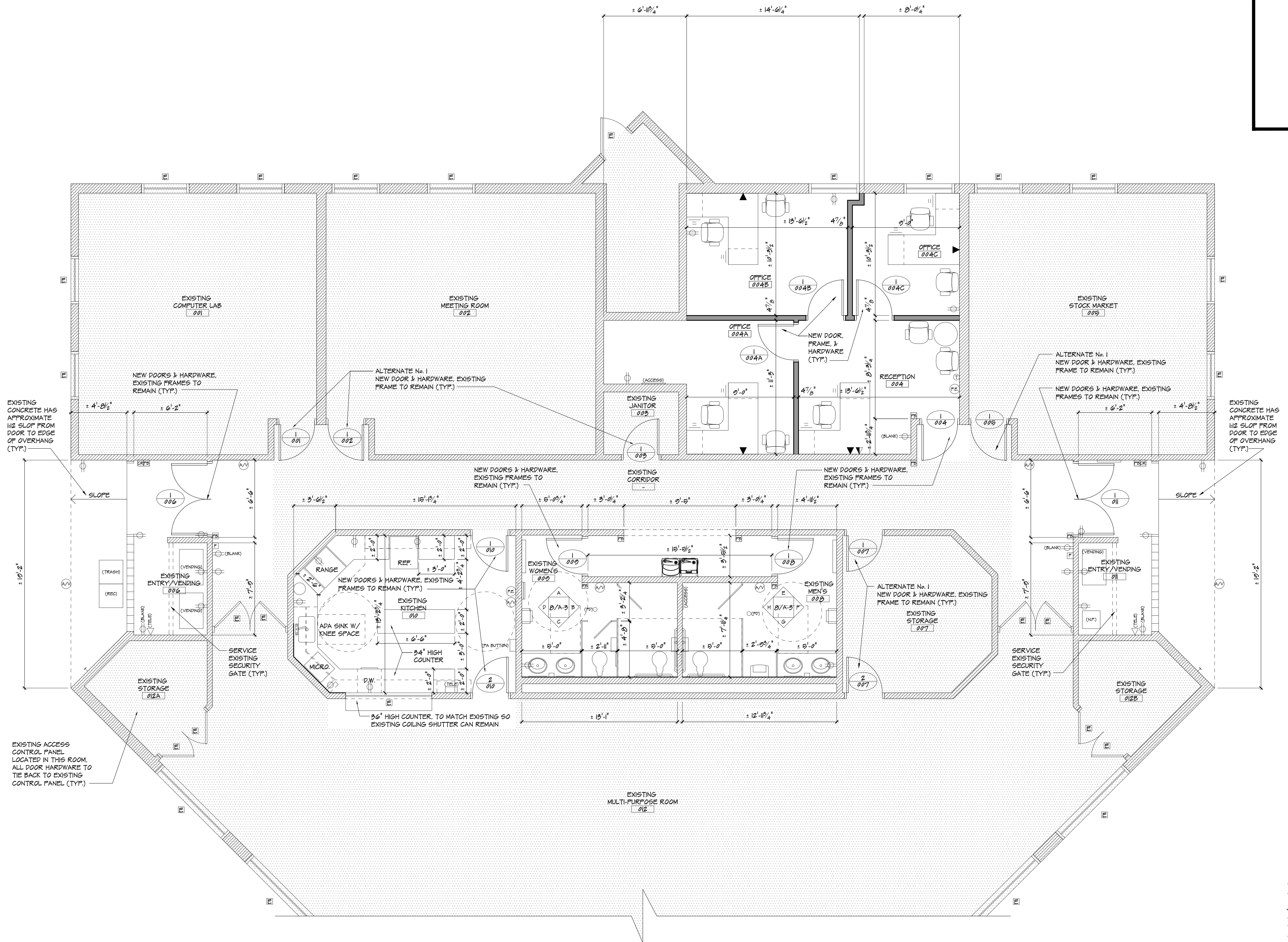
Sheet Title: EXISTING CONDITION PHOTOGRAPHS

Drawn By: DS	5
Checked By: MPY	21

Sheet No. D-4

Project No. YC20122

SYMBOL LEGEND	
	EXISTING TO REMAIN
	NEW METAL STUD WALL, REFER TO WALL SECTIONS FOR ADDITIONAL INFO.
	NOT IN CONTRACT
	EXISTING STOREFRONT, DOOR & WINDOW TO REMAIN, NO CHANGE
	EXISTING POWER RECEPTACLE (TYP.)
	EXISTING FIRE ALARM MANUAL PULL STATION (TYP.)
	EXISTING FIRE ALARM AUDIO / VISUAL DEVICE (TYP.)
	EXISTING THERMOSTAT (TYP.)
	EXISTING DATA RECEPTACLE (TYP.)
	EXISTING ELECTRICAL PANEL (TYP.)
	EXISTING HOSE BID (TYP.)
	EXISTING REMOTE ACTUATOR (TYP.)
	EXISTING OH DOOR OPERATOR (TYP.)
	PROPOSED/RELOCATED REMOTE ACTUATOR (TYP.)
	PROPOSED/RELOCATED REMOTE ACTUATOR (TYP.)
	PROPOSED DATA BOX & FULL STRING TO ABOVE CEILING (TYP.)



1 FLOOR PLAN
A-1 SCALE: 1/4" = 1'-0"

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ATLANTIC COUNTY
GALLOWAY
NEW JERSEY

Project
Issued For Bid
MARCH 12, 2021

Revised By Date

Sheet Title
FLOOR PLAN

Drawn By
DS 6

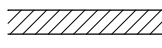

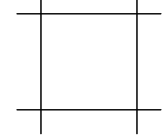



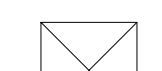
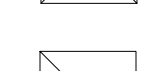
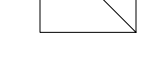
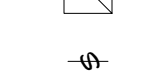

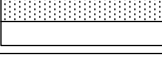





Checked By
MPY 21

Sheet No.
A-1

Project No.
YC20122

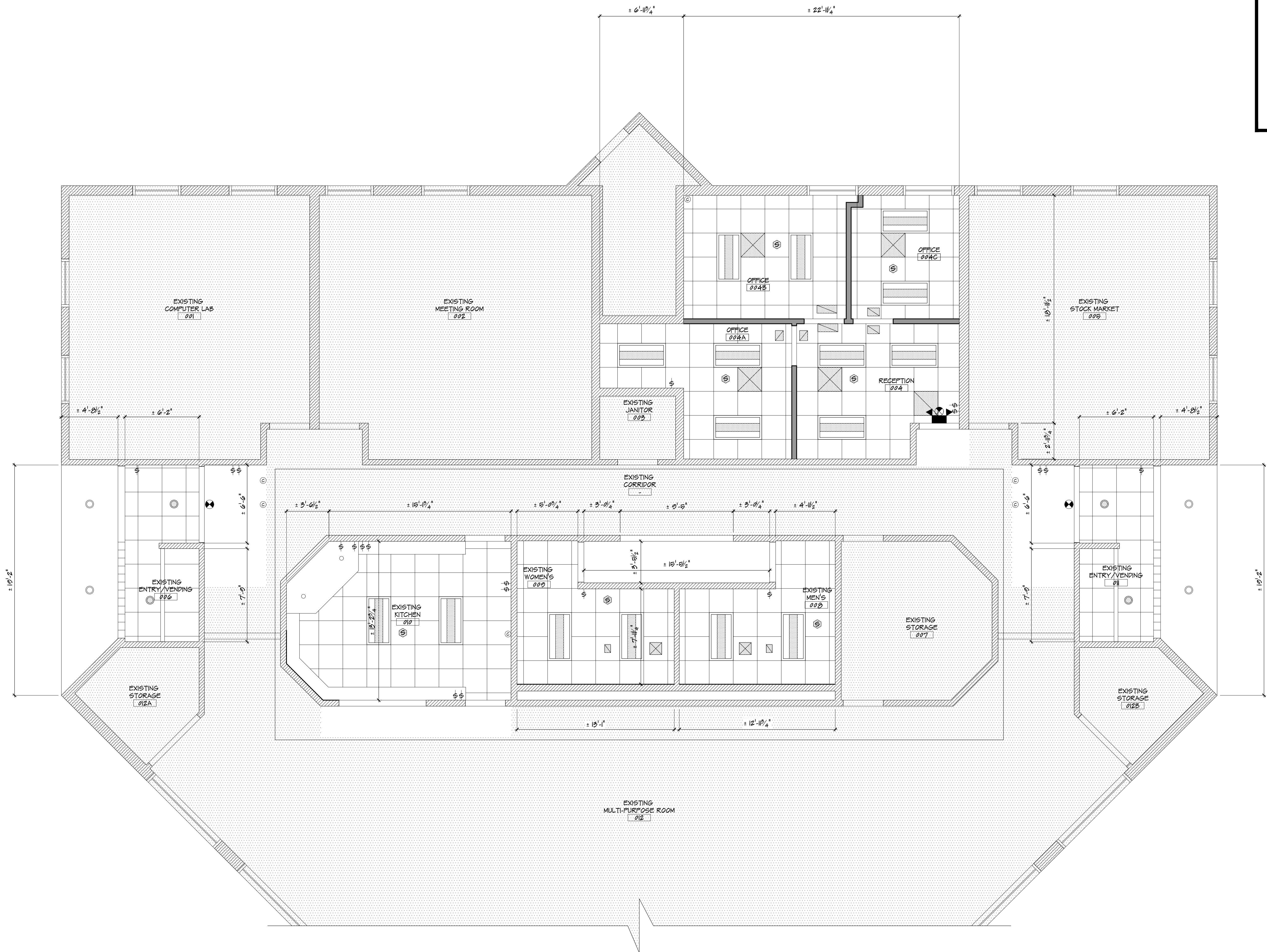
Do Not Scale Drawings - Field check all dimensions prior to start of construction.

SYMBOL LEGEND

-  EXISTING TO REMAIN
-  NOT IN CONTRACT
-  PROPOSED CEILING GRID (TYP.)
-  EXISTING 2x4 LIGHT FIXTURE (TYP.)
-  EXISTING 2x2 LIGHT FIXTURE (TYP.)
-  EXISTING EXIT SIGN (TYP.)
-  EXISTING SUPPLY DIFFUSER (TYP.)
-  EXISTING RETURN DIFFUSER (TYP.)
-  EXISTING EXHAUST FAN (TYP.)
-  EXISTING SWITCH (TYP.)
-  EXISTING DETECTOR (TYP.)
-  PROPOSED 2x4 LAY-IN TYPE LIGHT FIXTURE (TYP.)
-  PROPOSED RECESSED TYPE LIGHT FIXTURE (TYP.)
-  PROPOSED/RELOCATED SMOKE DETECTOR (TYP.)
-  RELOCATED RETURN/EXHAUST DIFFUSER (TYP.)
-  RELOCATED SUPPLY DIFFUSER (TYP.)
-  PROPOSED COMBO EXIT SIGN & EMERGENCY LIGHT FIXTURE (TYP.)

GENERAL NOTE

1. REFER TO MEP DRAWINGS FOR ALL ADDITIONAL REQUIRED WORK NOT SPECIFICALLY INDICATED ON THESE DRAWINGS (TYP.)
2. REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SCHEDULE (TYP.)



1 REFLECTED CEILING PLAN
A-2 SCALE: 1/4" = 1'-0"



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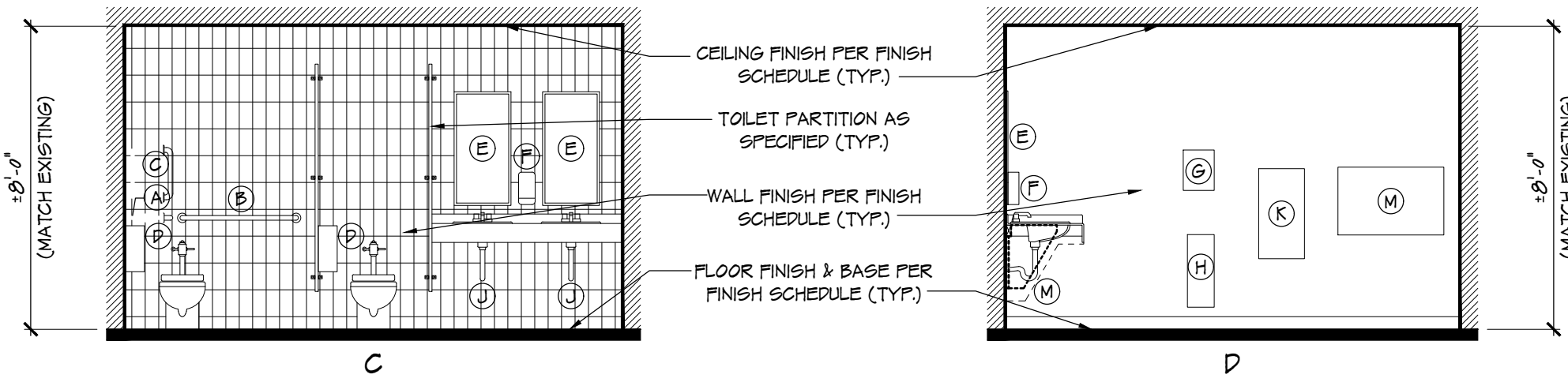
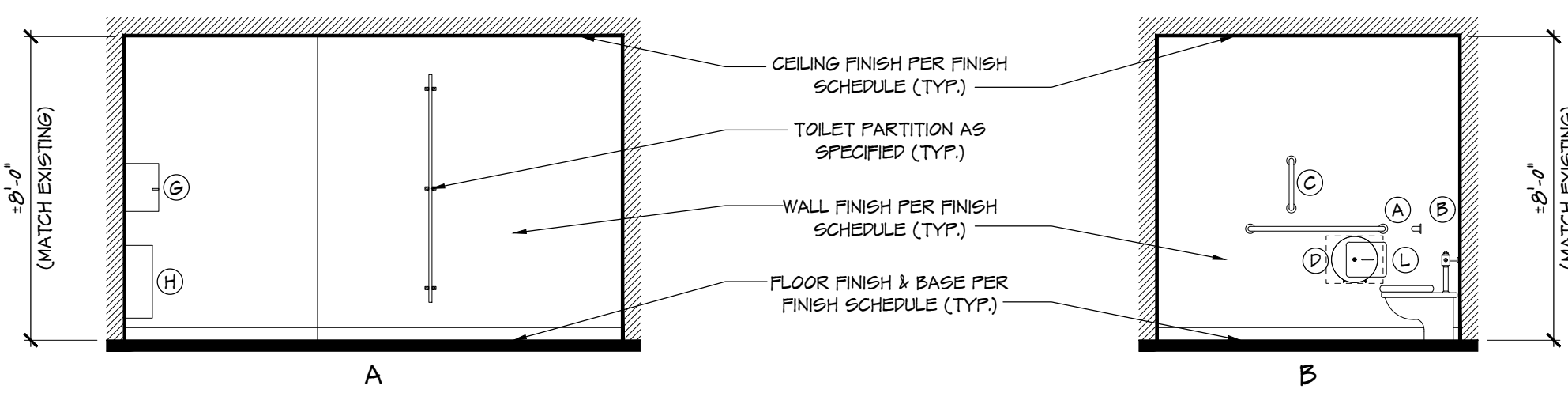
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REFLECTED CEILING PLAN

Drawn By	DS	7
Checked By	MPY	21

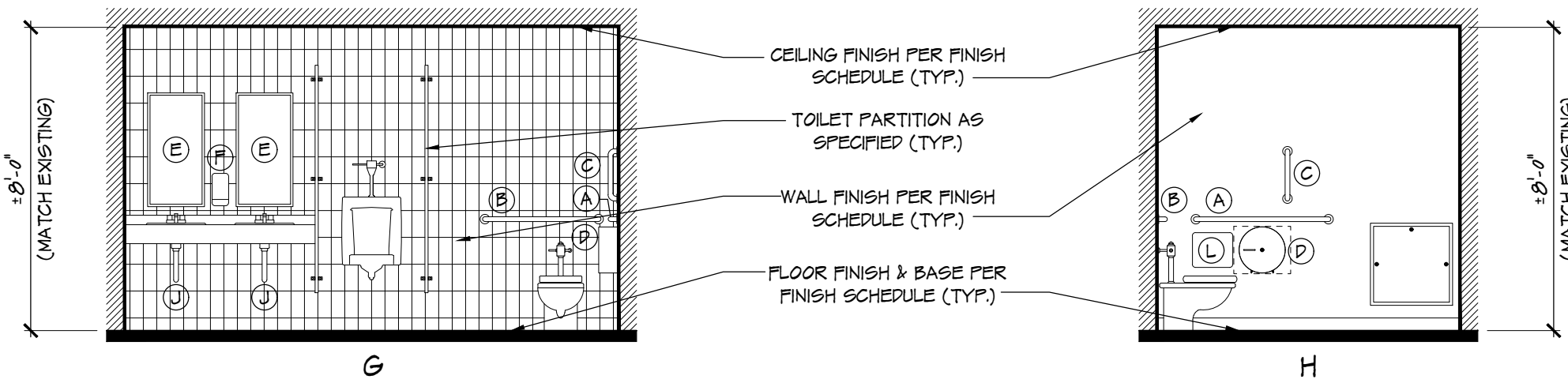
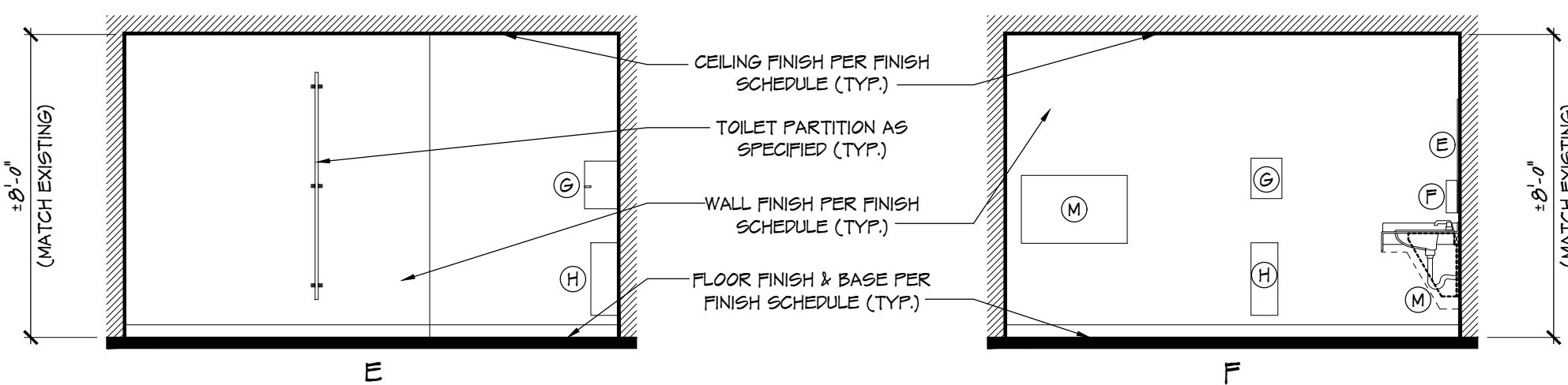
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A-2

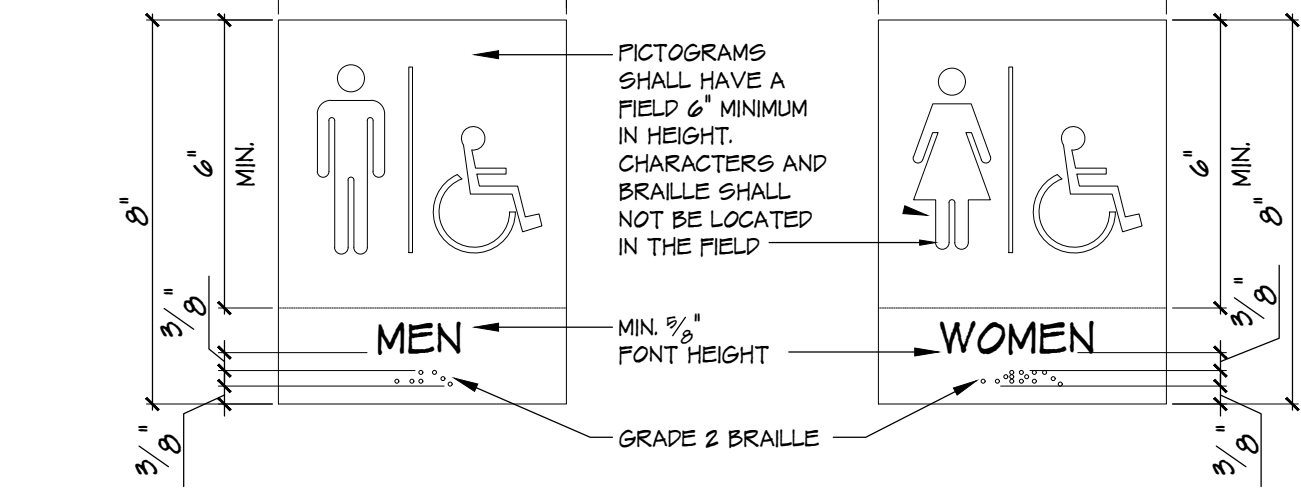
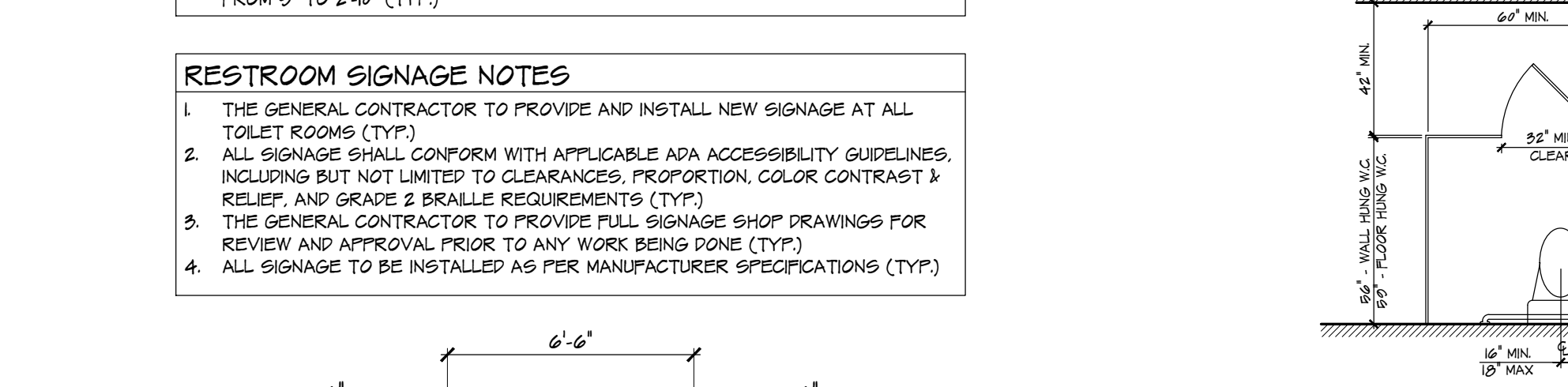
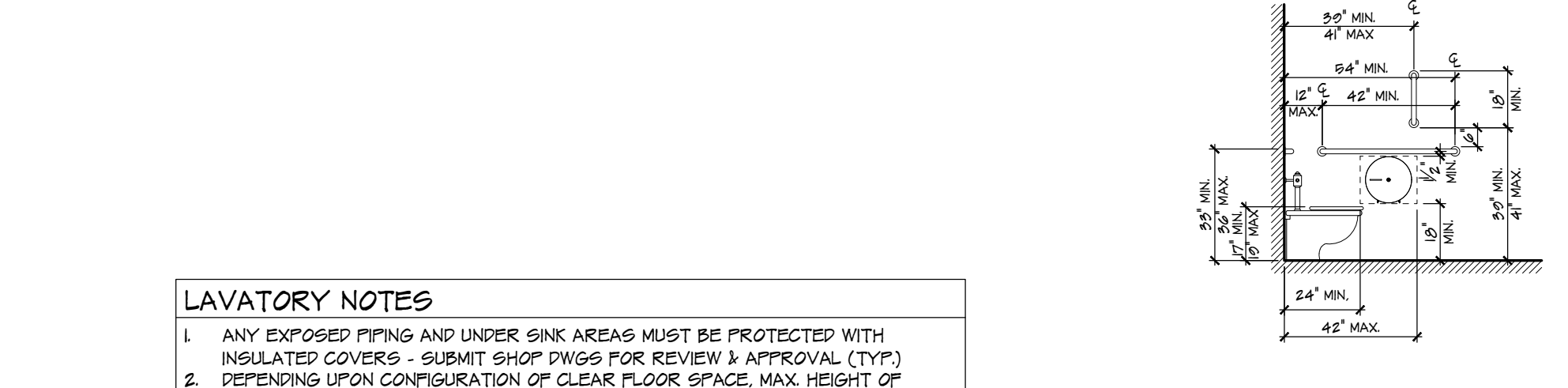
Project No. YC20122



8 RESTROOM ELEVATIONS @ WOMEN'S RESTROOM
A-3 SCALE: 1/4" = 1'-0"



9 RESTROOM ELEVATIONS @ MEN'S RESTROOM
A-3 SCALE: 1/4" = 1'-0"



11 ADA RESTROOM SIGNAGE
A-3 SCALE: N.T.S.

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- GENERAL CASEWORK NOTES**
- GC TO SUBMIT FULL SHOP DRAWINGS FOR REVIEW & APPROVAL PRIOR TO CONSTRUCTION (TYP.)
 - GC TO FIELD VERIFY ALL CASEWORK DIMENSIONS PRIOR TO CONSTRUCTION (TYP.)
 - PLASTIC LAMINATE AT COUNTERTOPS ARE TO HAVE FULL RUNS, NO JOINTS (TYP.)
 - ALL CASEWORK IS TO HAVE ROLLED CORNERS (TYP.)
 - ALL CASEWORK IS TO BE INSTALLED IN COMPLIANCE WITH ICC/ANSI A171-2009 AND N.J.U.C.C. "BARRIER FREE" AND ADA REQUIREMENTS (TYP.)
 - ALL CASEWORK IS TO HAVE 3MM PVC EDGE BANDING (TYP.)
 - ALL CABINETS & DRAWERS ARE TO RECEIVE INTEGRATED LOCKS, COORDINATE KEYING WITH UNIVERSITY (TYP.)
 - REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION & REQUIREMENTS (TYP.)

RESTROOM ACCESSORIES

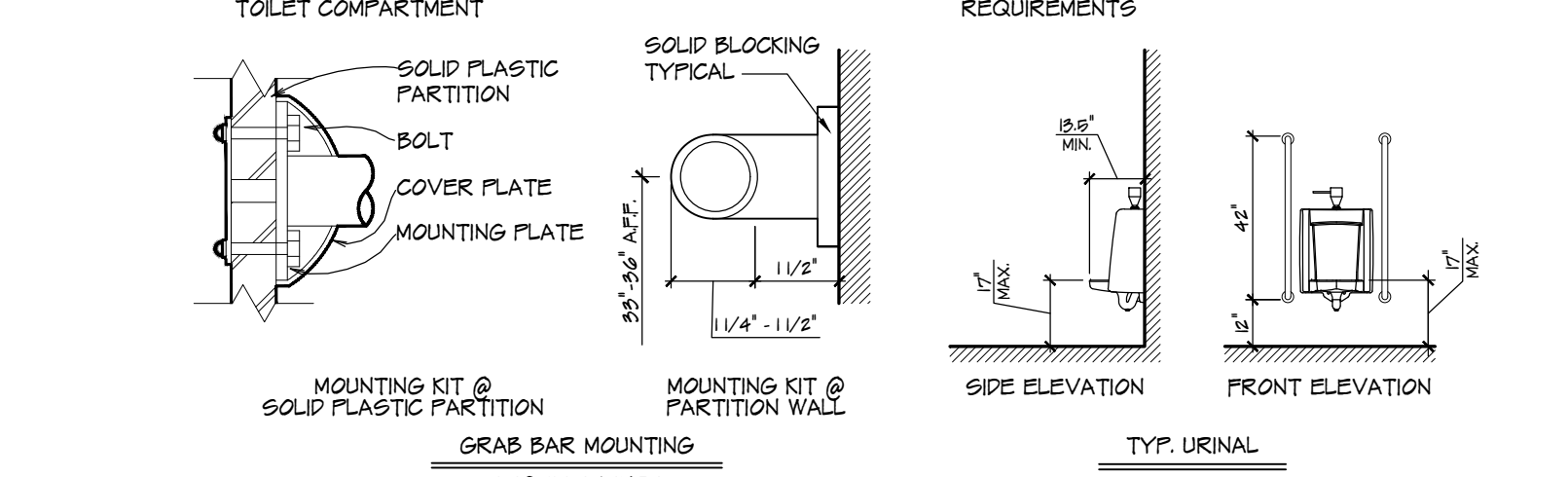
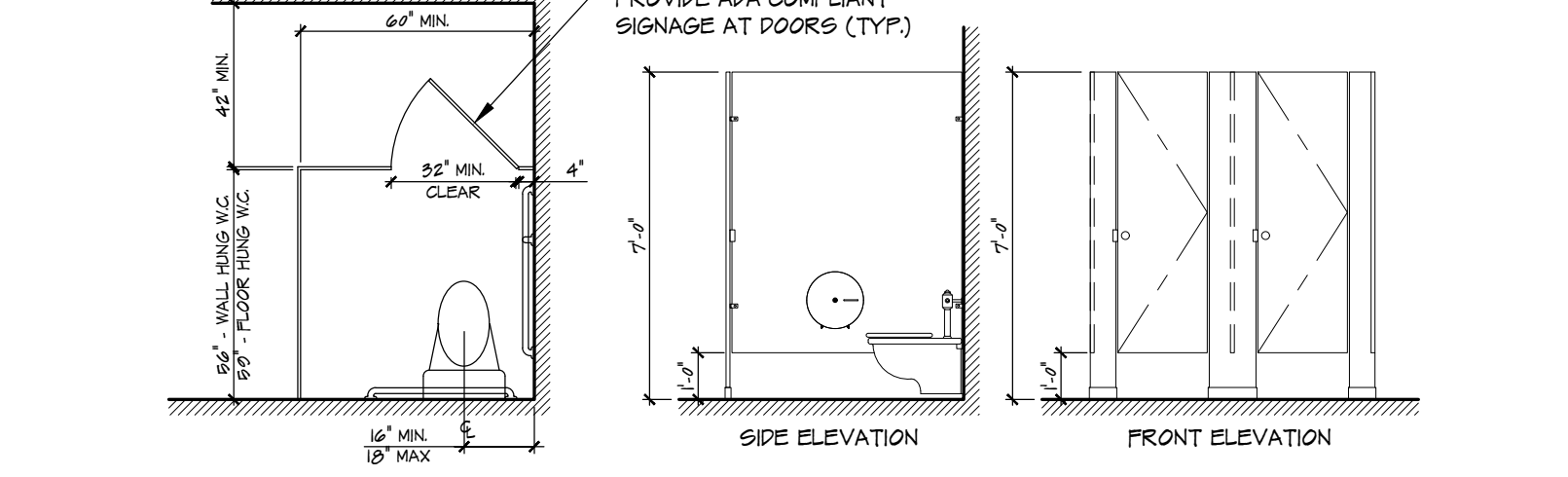
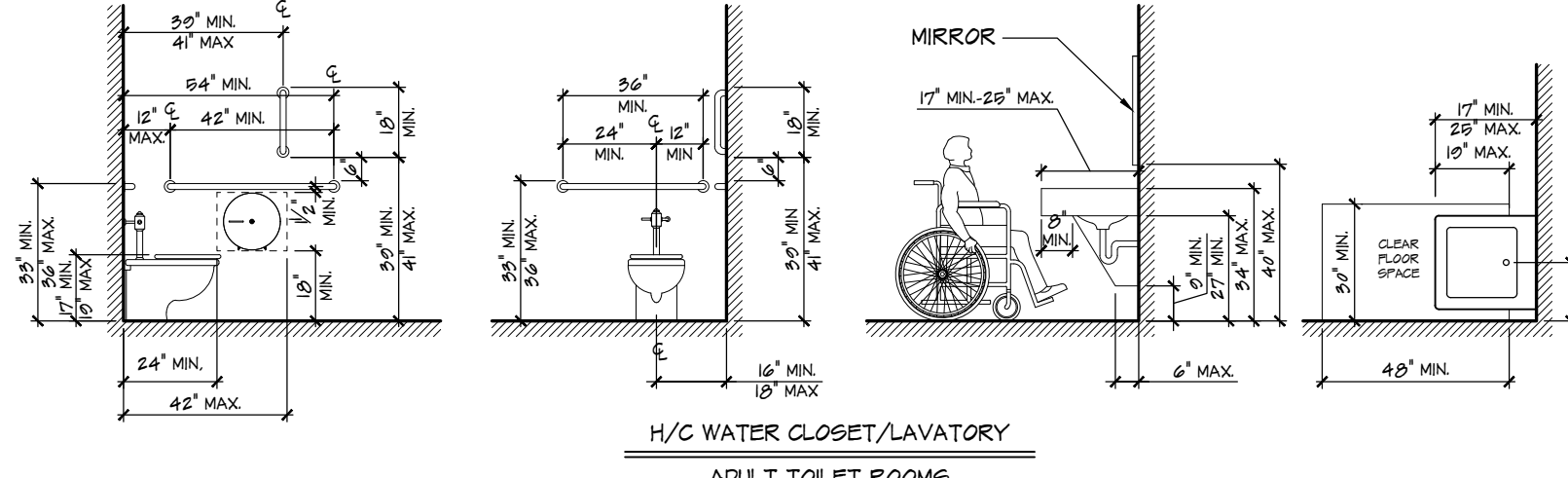
TAG	ACCESSORY	MODEL #	MOUNTING HEIGHT
(A)	SIDE GRAB BAR 1 1/2" Ø 42" x L	BRADLEY 812	33" AFF TO TOP OF BAR
(B)	BACK GRAB BAR 1 1/2" Ø 36" x L	BRADLEY 812	33" AFF TO TOP OF BAR
(C)	VERTICAL GRAB BAR 1 1/2" Ø 18" x L	BRADLEY 812	30"-41" AFF TO BOTTOM OF BAR
(D)	TOILET TISSUE DISPENSER	BAY WEST 20599	16" AFF TO OUTLET
(E)	MIRROR	BRADLEY 72H-1936	44" MAX AFF TO BOTTOM OF MIRROR
(F)	SOAP DISPENSER	BAY WEST 02000	44" MAX AFF TO OPERATOR
(G)	PAPER TOWEL DISPENSER	BAY WEST 70600	UNOBSTRUCTED - 16"-40" AFF TO OPENING OBSTRUCTED - 44" MAX AFF TO OPERATOR
(H)	WASTE RECEPTACLE	BOBRICK B-277	16"-40" AFF TO OPENING
(I)	TOWEL/COAT HOOK	BRADLEY 014	48" MAX AFF TO TOP OF HOOK
(J)	F TRAP LAVATORY GUARD	-	-
(K)	NAPKIN/TAMPON VENDOR	BOBRICK B-47064	62" AFF TO TOP AS PER MANUF.
(L)	NAPKIN/TAMPON DISPOSAL PARTITION MOUNTED / RECESSED	BOBRICK B-4954 / B-4955	30" AFF TO TOP AS PER MANUF.
(M)	BABY CHANGING TABLE	RUBBERMAID 7210	28"-34" AFF TO TOP OF TABLE

- TYPICAL TOILET ROOM NOTES**
- MANUFACTURERS: (OR AN ARCHITECT/OWNER APPROVED SUBSTITUTE)
- ACCESSORIES: "BRADLEY CORPORATION", "BAY WEST", "BOBRICK", "RUBBERMAID"
- FIXTURES: REFER TO PLUMBING DRAWINGS

- H.C. GRAB BAR NOTES**
- PROVIDE CONTINUOUS STAINLESS STEEL WALL MOUNTING KIT AND ANCHORING DEVICES. FIELD VERIFY FOR EXACT NUMBER AND TYPE OF GRAB BARS. MOUNTING KITS REQUIRED (TYP.)
 - PROVIDE SOLID BLOCKING AS REQUIRED FOR GRAB BARS ETC. CONTRACTOR TO VERIFY EXACT LOCATION(S) IN FIELD (TYP.)
 - ALL HARDWARE AND ACCESSORIES TO BE STAINLESS STEEL (TYP.)

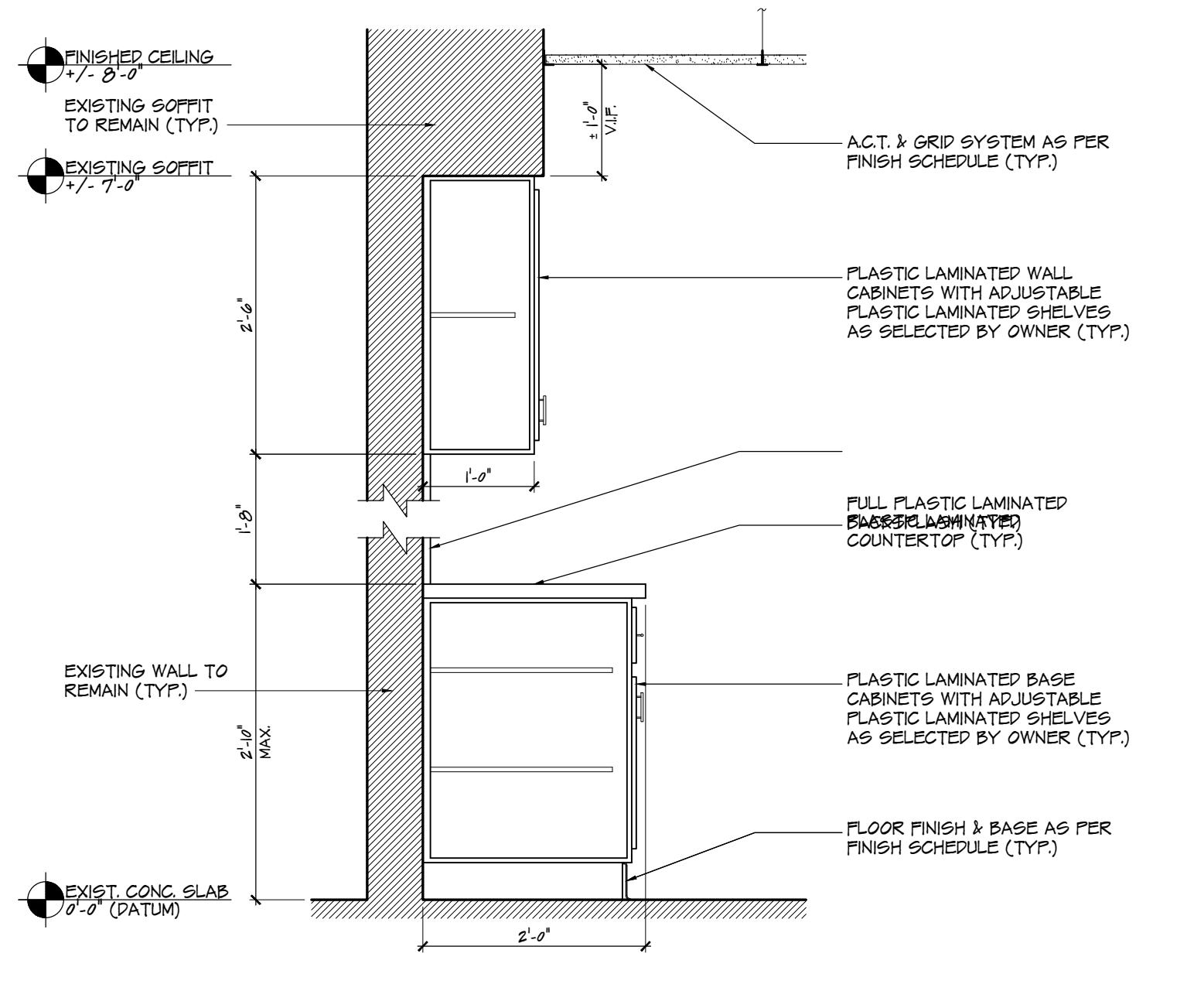
- NOTES**
- GC TO PROVIDE AND INSTALL ALL ACCESSORIES. GC TO PROVIDE FULL SHOP DRAWINGS FOR ALL TOILET ROOM ACCESSORIES (TYP.)
 - ALL TOILET ROOM FIXTURES AND ACCESSORIES TO BE INSTALLED IN COMPLIANCE WITH ICC/ANSI A171-2009 AND N.J.U.C.C. "BARRIER FREE" AND ADA REQUIREMENTS (TYP.)
 - GC TO PROVIDE ALL RELATED ACCESSORIES REQUIRED TO COMPLETE THE INSTALLATION OF ALL FIXTURES & ACCESSORIES (TYP.)
 - ALL FACETS ARE TO BE ADA COMPLIANT W/ A MAX GPM OF 0.8 (TYP.)
 - PROVIDE SOLID SUPPORT AT WALLS FOR FIXTURES AND ACCESSORIES AS REQUIRED BY MANUFACTURER. 250 LB. FULL PRESSURE (TYP.)
 - GC IS TO REPORT ANY DISCREPANCIES IMMEDIATELY TO ARCHITECT PRIOR TO INSTALLATION FOR ALTERNATE INSTALLATION LOCATIONS (TYP.)
 - GC TO INSTALL PROPOSED FLOOR FINISH TO PROVIDE POSITIVE DRAINAGE TO THE PROPOSED FLOOR DRAIN LOCATION (TYP.)

7 ACCESSORIES SCHEDULE
A-3 SCALE: N.T.S.

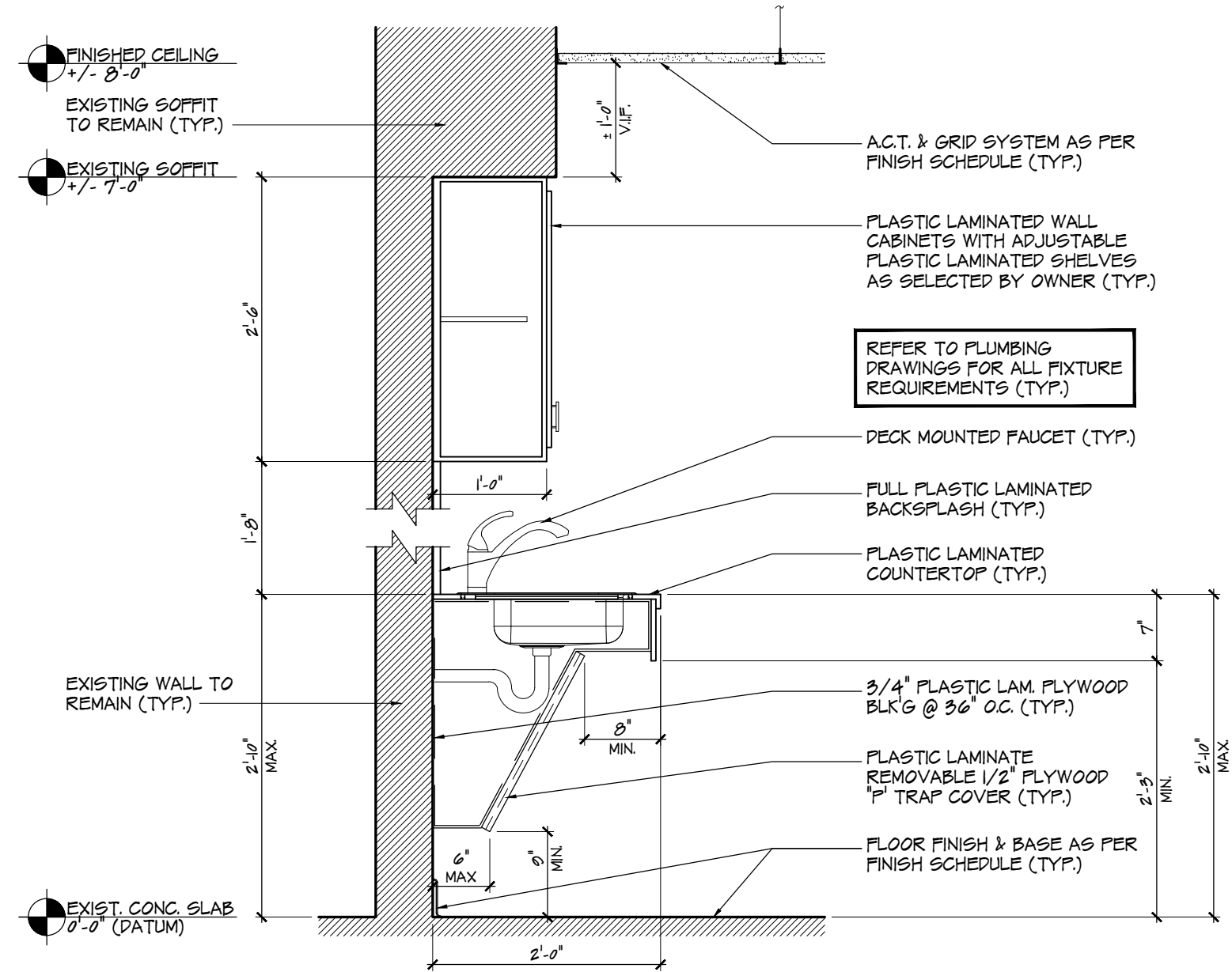


10 TYPICAL ADA RESTROOM ACCESSORY DETAILS
A-3 SCALE: 1/4" = 1'-0"

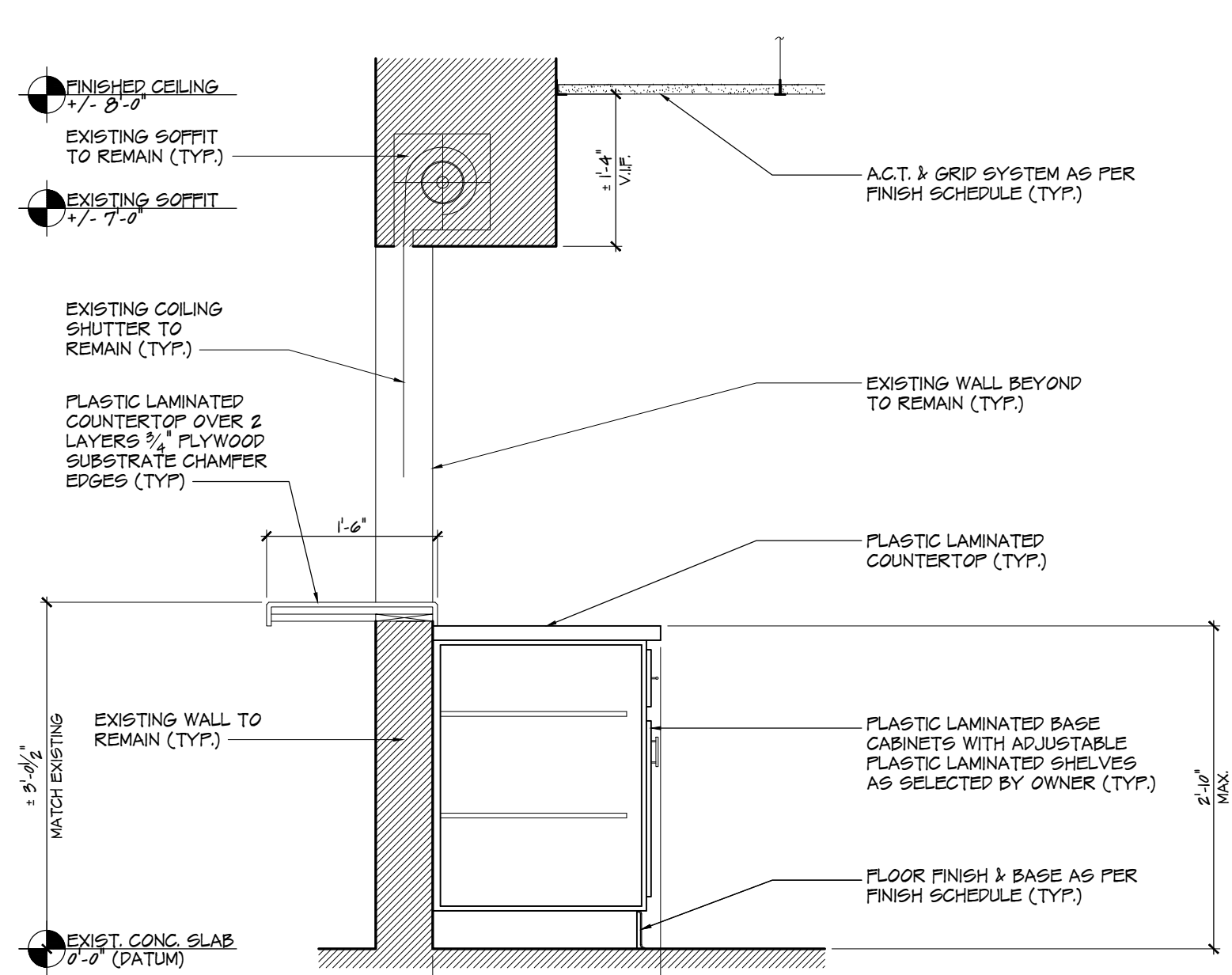
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4 TYPICAL SECTION @ KITCHEN CABINETS
A-3 SCALE: 3/4" = 1'-0"

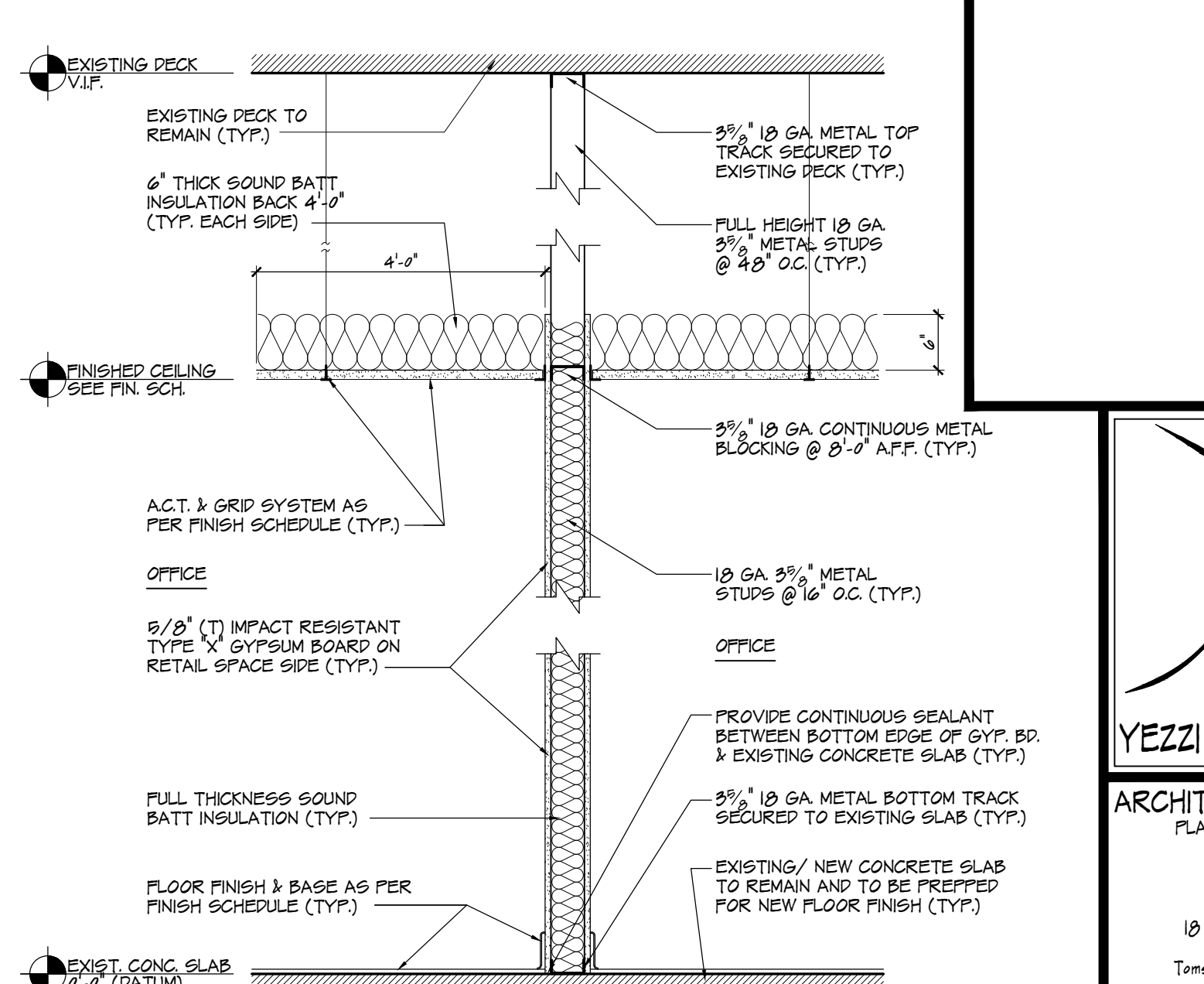


5 TYPICAL SECTION @ KITCHEN SINK
A-3 SCALE: 3/4" = 1'-0"

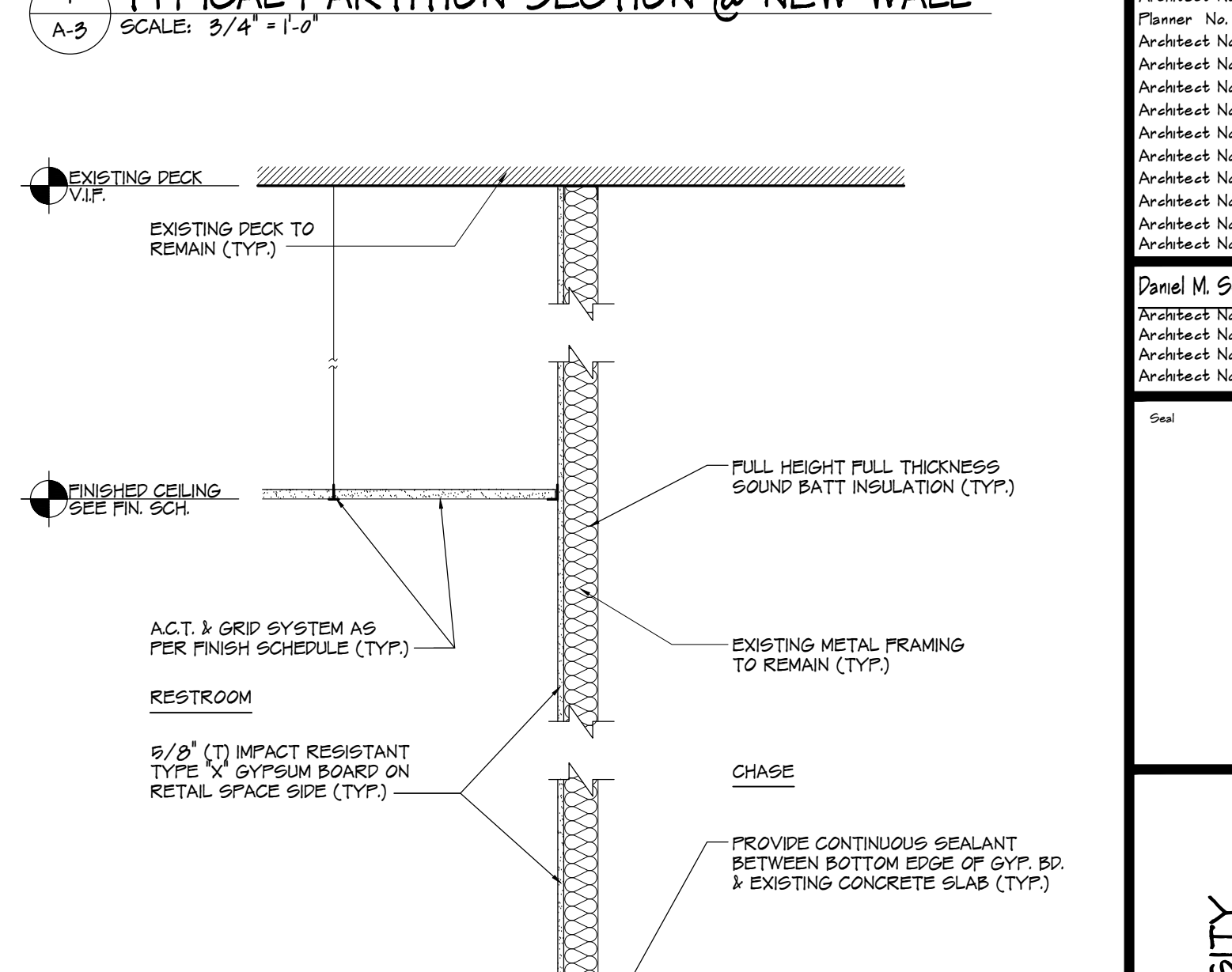


6 TYPICAL SECTION @ KITCHEN CEILING SHUTTER
A-3 SCALE: 3/4" = 1'-0"

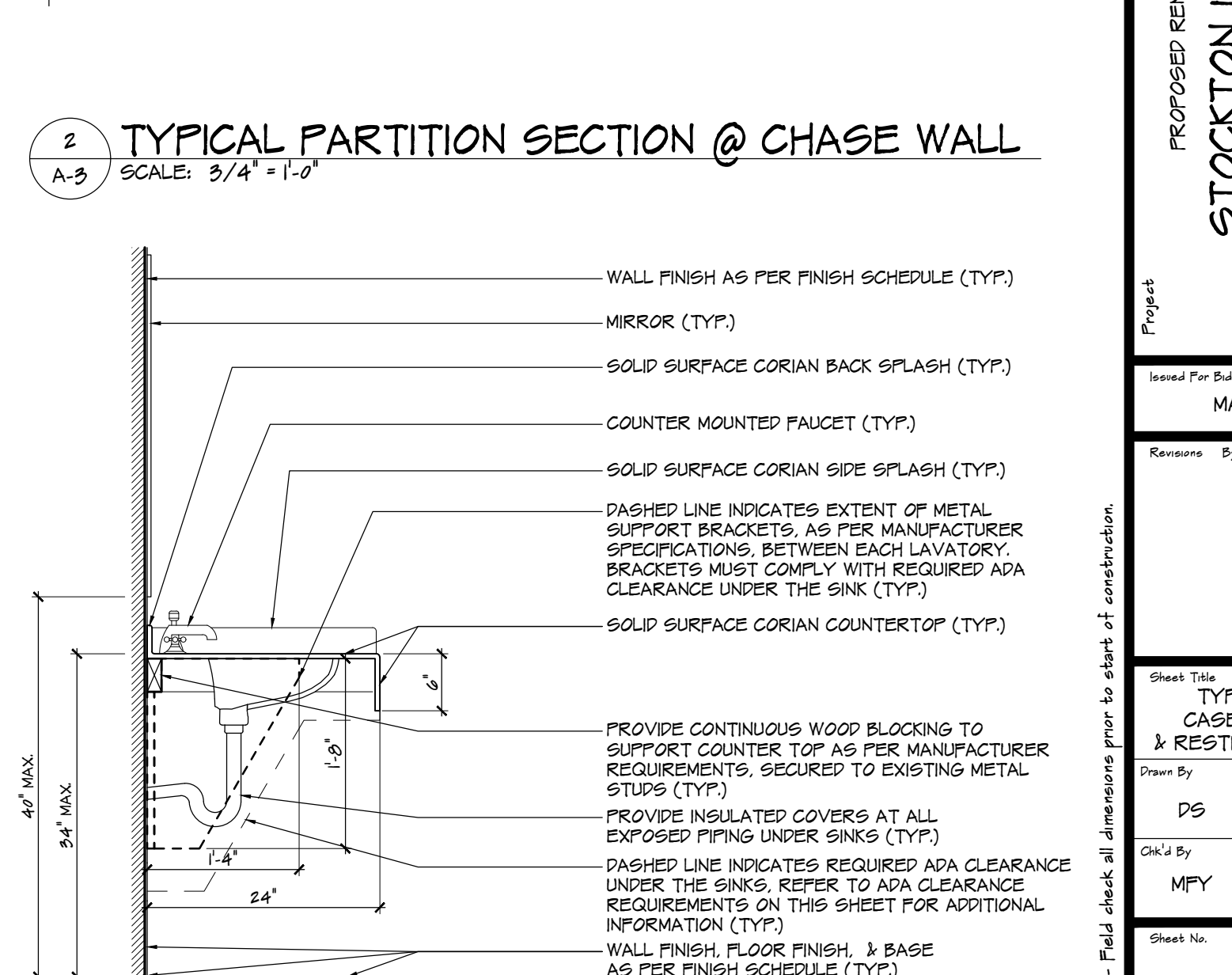
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1 TYPICAL PARTITION SECTION @ NEW WALL
A-3 SCALE: 3/4" = 1'-0"



2 TYPICAL PARTITION SECTION @ CHASE WALL
A-3 SCALE: 3/4" = 1'-0"



3 TYPICAL SECTION @ RESTROOM SINK
A-3 SCALE: 3/4" = 1'-0"

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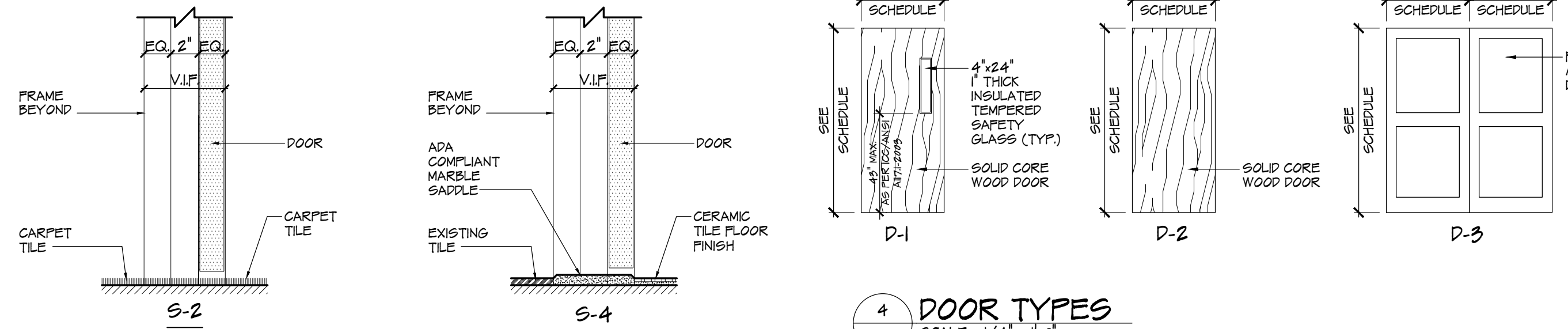
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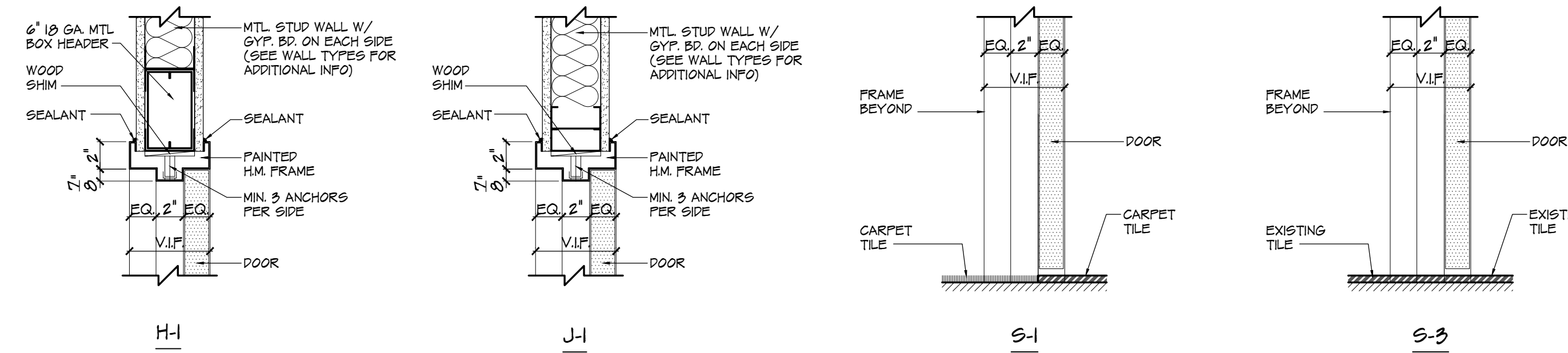
PROPOSED RENOVATIONS TO
**STOCKTON UNIVERSITY
TOWNSEND RESIDENTIAL
LIFE CENTER**
101 VERA KING FARRIS DR.
ATLANTIC COUNTY
GALLOWAY
NEW JERSEY

Project
Issue For Bid
MARCH 12, 2021
Revised By Date
Drawn By
DS 8
Checked By
MPY 21
Sheet Title
TYPICAL SECTION,
CASEWORK DETAILS,
& RESTROOM ELEVATIONS
Sheet No.
Project No.
YC20122

Scale: A-3

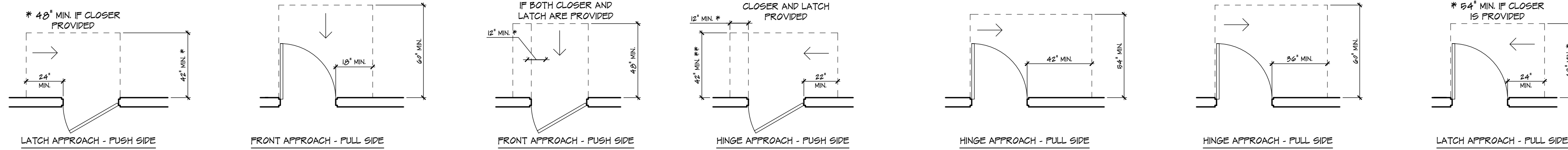


4 DOOR TYPES
SCALE: 1/4" = 1'-0"



6 DOOR HEAD, JAMB & SILL DETAILS
SCALE: 1/2" = 1'-0"

5 FRAME TYPES
SCALE: 1/4" = 1'-0"



7 ADA DOOR MANEUVERING CLEARANCE DETAILS
SCALE: N.T.S.

NO.	ROOMS	TYPE	DOOR SIZE	RATING	BASE BID vs ALTERNATE	FRAME				HPW. SET	
						TYPE	MAT'L	H	J		S
001	EXISTING CORRIDOR COMPUTER LAB 001	D-1	6'-0" x 3'-0" x 6'-0"	B - LABEL	ALTERNATE No. 1	EXISTING	HM.	EXISTING	S-1	2	
002	EXISTING CORRIDOR MEETING ROOM 002	D-1	6'-0" x 3'-0" x 6'-0"	B - LABEL	ALTERNATE No. 1	EXISTING	HM.	EXISTING	S-1	2	
003	EXISTING CORRIDOR JANITOR 003	D-2	6'-0" x 3'-0" x 6'-0"	B - LABEL	ALTERNATE No. 1	EXISTING	HM.	EXISTING	S-3	2	
004	EXISTING CORRIDOR RECEPTION 004	D-1	6'-0" x 3'-0" x 6'-0"	B - LABEL	BASE BID	EXISTING	HM.	EXISTING	S-1	1	
004A	OFFICE 004A	D-1	6'-0" x 3'-0" x 6'-0"	-	BASE BID	F-1	HM.	H-1	J-1	S-2	2
004B	OFFICE 004B	D-1	6'-0" x 3'-0" x 6'-0"	-	BASE BID	F-1	HM.	H-1	J-1	S-2	2
004C	OFFICE 004C	D-1	6'-0" x 3'-0" x 6'-0"	-	BASE BID	F-1	HM.	H-1	J-1	S-2	2
005	EXISTING CORRIDOR STOCK MARKET 005	D-1	6'-0" x 3'-0" x 6'-0"	B - LABEL	ALTERNATE No. 1	EXISTING	HM.	EXISTING	S-1	2	
006	EXISTING CORRIDOR EXTERIOR	D-3	(2) 6'-0" x 3'-0" x 6'-0"	-	BASE BID	EXISTING	HM.	EXISTING	S-3	3	
007	EXISTING CORRIDOR STORAGE 007	D-2	6'-0" x 3'-0" x 6'-0"	B - LABEL	ALTERNATE No. 1	EXISTING	HM.	EXISTING	S-3	3	
007	MULTI-PURPOSE RM 002 STORAGE 007	D-2	6'-0" x 3'-0" x 6'-0"	-	ALTERNATE No. 1	EXISTING	HM.	EXISTING	S-3	3	
008	EXISTING CORRIDOR MEN'S 008	D-2	6'-0" x 3'-0" x 6'-0"	B - LABEL	BASE BID	EXISTING	HM.	EXISTING	S-4	4	
009	EXISTING CORRIDOR WOMEN'S 009	D-2	6'-0" x 3'-0" x 6'-0"	B - LABEL	BASE BID	EXISTING	HM.	EXISTING	S-4	4	
010	EXISTING CORRIDOR KITCHEN 010	D-2	6'-0" x 3'-0" x 6'-0"	B - LABEL	BASE BID	EXISTING	HM.	EXISTING	S-3	3	
010	EXISTING MULTI-PURP. KITCHEN 010	D-2	6'-0" x 3'-0" x 6'-0"	-	BASE BID	EXISTING	HM.	EXISTING	S-3	3	
011	EXISTING CORRIDOR	D-3	(2) 6'-0" x 3'-0" x 6'-0"	-	BASE BID	EXISTING	HM.	EXISTING	S-3	3	

1 DOOR SCHEDULE
SCALE: N.T.S.

- DOOR SCHEDULE NOTES**
- ALL GLAZING TO BE 1" THICK INSULATED TEMPERED SAFETY GLASS (1/4" TEMPERED SAFETY GLASS / 1/2" AIR SPACE / 1/4" TEMPERED SAFETY GLASS) (TYP.)
 - REFER TO SPECIFICATIONS FOR HOLLOW METAL DOOR FRAME GAUGE REQUIREMENTS.
 - ALL HM. FRAMES ARE TO BE 16 GAUGE (UNLESS OTHERWISE NOTED) AND ARE TO BE PRIMED & PAINTED, COLOR AS SELECTED BY OWNER (TYP.)
 - GC TO COORDINATE JAMB THICKNESS PRIOR TO ANY FABRICATION OR WORK IS DONE (TYP.)
 - REFER TO SPECIFICATIONS FOR FRP/ALUMINUM DOORS (TYP.)
 - GC IS TO FIELD VERIFY THE ROUGH & FINISH OPENINGS FOR ALL DOORS & FRAMES (TYP.)
 - GC MUST SUBMIT A FULL SET OF SHOP DRAWINGS FOR ALL DOORS, FRAMES, HARDWARE AND ALL RELATED ITEMS FOR REVIEW AND APPROVAL PRIOR TO ANY WORK BEING DONE (TYP.)
 - PROVIDE CREDENTIAL READER(S) AS INDICATED ON THE HARDWARE SCHEDULE REFER TO FLOOR PLAN, ELECTRICAL DRAWINGS, AND SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING CREDENTIAL READERS (TYP.)
 - ALL DOORS ARE TO HAVE A MINIMUM RETURN OF 4" (TYP.)
 - ALL DOOR TO RECEIVE NEW ACCESS CONTROL WIRING RUN BACK AND TIED TO THE EXISTING ACCESS CONTROL PANEL IN ROOM 012A BY GC. ALL PROGRAMMING TO BE BY GC (TYP.)
 - REFER TO ELECTRICAL DRAWINGS FOR ALL DOORS THAT REQUIRE POWER (TYP.)

2 DOOR SCHEDULE NOTES
SCALE: N.T.S.

DOOR HARDWARE SETS		
SET 1: 1/004 (ELECTRIFIED DOOR) 1 BEST CYLINDRICAL 1PH MAX 1 RE-PURPOSED DEADBOLT LOCK 1 STANLEY MAGIC FORCE DOOR OPERATOR WITH WIRED ACTUATORS (ONE ON EACH SIDE) 1 TIED TO FIRE ALARM TO CLOSE IF BEING HELD OPEN BY OPERATOR 1 POWER SUPPLY 1 ELECTRIFIED HINGE 3 HINGES (MATCH EXISTING HINGE LOCATIONS) 3 SILENCERS 1 GASKETING SET	SET 2: 1/001, 1/002, 1/003, 1/004A, 1/004B, 1/004C, 1/009 1 BEST CYLINDRICAL BASIS V 1 08X18-7.0V-18-MS-59-222-TRACK 2 1 WALL STOP ROCKWOOD 400 3 HINGES 3 SILENCERS 1 GASKETING SET	SET 3: 1/006, 1/011 (ELECTRIFIED DOOR) 1 EXIT DEVICE (PHI IN MLR CONFIGURATION) 1 STANLEY MAGIC FORCE DOOR OPERATOR WITH RELOCATED WIRED ACTUATORS (ON ON EACH SIDE) 1 NEW WIRE RUNS TO PANELS AND NEW POWER SUPPLY IN CLOSET 012A 1 REQUEST FOR EXIT MOTION SENSOR 1 CARD READERS TO BE RELOCATED 1 POWER SUPPLY 1 Ø WIRE POWER TRANSFER 1 DPS (LTC/INTERLOGIX 10780) 1 CONTINUOUS HINGES 1 WEATHER STRIPPING SET 1 SL-301 DOOR BOTTOM WITH TWO NYLON BRUSH WEATHER STRIPPING BY DOOR MANUFACTURER NOTE: TURN OVER ALL OLD HARDWARE TO OWNER.
SET 4: 1/008, 1/000 1 TYPICAL PUSH/PULL - NOT LATCHING 1 RE-PURPOSED DEADBOLT LOCK 1 STANLEY MAGIC FORCE DOOR OPERATOR WITH WIRED ACTUATORS (ONE ON EACH SIDE) 3 HINGES (MATCH EXISTING HINGE LOCATIONS) 3 SILENCERS 1 GASKETING SET	SET 5: 1/007, 2/007, 1/010, 2/100 1 BEST CYLINDRICAL BASIS V 1 08X18-7.0V-18-MS-59-222-TRACK 2 1 SARGENT 381 HOLD OPENER & CLOSER 1 WALL STOP ROCKWOOD 400 1 KICK PLATE, 16" BY ROCKWOOD 1 MOP PLATE, 16" BY ROCKWOOD 3 HINGES (MATCH EXISTING HINGE LOCATIONS) 3 SILENCERS 1 GASKETING SET	

GENERAL DOOR HARDWARE NOTES

- REFER TO DOOR HARDWARE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- ALL HARDWARE NOTE ABOVE IS PER LEAF, UNLESS OTHERWISE NOTED (TYP.)
- ALL MANUFACTURERS LISTED ABOVE ARE BASIS OF DESIGN & A UNIVERSITY STANDARD; ALL SUBSTITUTIONS MUST BE APPROVED PRIOR TO ANY WORK.
- ALL THE CORES WILL BE BEST SPEC. UNIVERSITY STANDARD (TYP.)

3 DOOR HARDWARE SCHEDULE
SCALE: N.T.S.

ROOM FINISH SCHEDULE								
RM#	ROOM NAME	FLOOR		BASE	WALLS		CEILING	
		MAT'L	FINISH	MAT'L	MAT'L	FINISH	MAT'L	HEIGHT
004	RECEPTION	CONCRETE	CPT-1	B-1	GWB	PT-1	ACT-1	± 8'-0" MATCH EXISTING
004A	OFFICE	CONCRETE	CPT-1	B-1	GWB	PT-1	ACT-1	± 8'-0" MATCH EXISTING
004B	OFFICE	CONCRETE	CPT-1	B-1	GWB	PT-1	ACT-1	± 8'-0" MATCH EXISTING
004C	OFFICE	CONCRETE	CPT-1	B-1	GWB	PT-1	ACT-1	± 8'-0" MATCH EXISTING
006	EXISTING ENTRY/VENDING	CONCRETE	EXISTING TILE		EXISTING CT		ACT-2	± 7'-0 1/2" MATCH EXISTING
008	EXISTING MEN'S	CONCRETE	CT-1	CT-2	GWB	PAINT / CT-2	ACT-1	± 8'-0" MATCH EXISTING
009	EXISTING WOMEN'S	CONCRETE	CT-1	CT-2	GWB	PAINT / CT-2	ACT-1	± 8'-0" MATCH EXISTING
010	EXISTING KITCHEN	CONCRETE	EXISTING TILE	B-1	GWB	PT-1	ACT-1	± 8'-0" MATCH EXISTING
011	EXISTING ENTRY/VENDING	CONCRETE	EXISTING TILE		EXISTING CT		ACT-2	± 7'-0 1/2" MATCH EXISTING

LEGEND		ROOM FINISH GENERAL NOTES	
CPT-1	1'SHAW CONTRACT' DISPERSE 24"x24" 89876 CARPET TILE	1	ALL MANUFACTURERS/PRODUCTS LISTED IN THE ROOM FINISH SCHEDULE ARE A DESIGN STANDARDS FOR PERFORMANCE CRITERIA (BASIS OF DESIGN), SUBSTITUTIONS/EQUALS WILL BE ALLOWED WITH PRIOR ARCHITECT / OWNER APPROVAL. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION (TYP.)
B-1	1'JOHNSONITE' 4" VINYL WALL BASE	2	GC TO SUBMIT FULL SHOP DRAWINGS FOR ALL FINISH SYSTEMS & RELATED ITEMS FOR OWNER REVIEW, APPROVAL, AND SELECTION PRIOR TO CONSTRUCTION (TYP.)
CT-1	1'DALTILE' 18"x18" MARBLE FALLS CERAMIC FLOOR TILE	3	COLOR/PATTERN AS SELECTED BY ARCHITECT/OWNER FROM ALL AVAILABLE STANDARD COLORS AND PATTERNS (TYP.)
CT-2	1'DALTILE' 18"x18" MARBLE FALLS CERAMIC WALL TILE W/ BULLNOSE		
ACT-1	1'USG' 24"x24" RADAR BASIC ACOUSTICAL PANELS 210 W/ 'USG' DONN DXL FIRE RATED GRID SYSTEM 15/16" & HOLD DOWN CLIPS		
ACT-2	1'USG' EXTERIOR USE 24"x24" RADAR3A CERAMIC ACOUSTICAL PANELS 56644 W/ 'USG' DONN ZXL 15/16" ACOUSTICAL SUSPENSION SYSTEM & HOLD DOWN CLIPS		
GWB	EXISTING GYPSUM BOARD AND/OR NEW 'USG' 5/8" (T) IMPACT RESISTANT TYPE 'X' GYPSUM BOARD, MOISTURE RESISTANT TYPE AT RESTROOM AND KITCHENETTE AREA		
PT-1	1'SHERWIN WILLIAMS' PAINT, (1) COAT PRIMER (2) COATS FINISH		
EXISTING TILE	EXISTING FLOOR TILE & GROUT TO BE CLEANED AND SEALED (TYP.)		
EXISTING CT	EXISTING CERAMIC WALL TILE AND BASE TO BE CLEANED (TYP.)		

8 ROOM FINISH SCHEDULE
SCALE: N.T.S.



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PROPOSED RENOVATIONS TO
**STOCKTON UNIVERSITY
TOWNSEND RESIDENTIAL
LIFE CENTER**
101 VERA KING FAIRBIS DR.
ATLANTIC COUNTY
NEW JERSEY

Issued For Bid

March 12, 2021

Revised By Date

Sheet Title

DOOR SCHEDULE,
DOOR DETAILS,
FINISH SCHEDULE, & NOTES

Drawn By

DS

Checked By

MPY

Sheet No.

21

Project No.

YC20122

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MECHANICAL GENERAL NOTES:

1. WORK IN THIS SECTION INCLUDES THE PROVIDING OF LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY FOR COMPLETE AND SAFE INSTALLATION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND AUTHORITIES HAVING JURISDICTION.
2. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS, MAINTAIN HEADROOM AND SPACE CONDITIONS.
3. SCALED AND FIGURED DIMENSIONS ARE APPROXIMATE AND ARE FOR ESTIMATING PURPOSES ONLY. BEFORE PROCEEDING WITH WORK, CHECK AND VERIFY ALL DIMENSIONS.
4. MAKE ADJUSTMENTS THAT MAY BE NECESSARY OR REQUIRED IN ORDER TO RESOLVE SPACE PROBLEMS.
5. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NEW JERSEY UNIFORM CONSTRUCTION CODE AND ADOPTED (AS AMENDED) SUB CODES STANDARDS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 - INTERNATIONAL BUILDING CODE NEW JERSEY EDITION / 2018;
 - NAPHCC NATIONAL STANDARD PLUMBING CODE / 2018;
 - NFPA 70 NATIONAL ELECTRIC CODE / 2017;
 - ASHRAE 90.1-2016 ENERGY CODE
 - INTERNATIONAL MECHANICAL CODE / 2018;
 - INTERNATIONAL FUEL GAS CODE / 2018;
6. CONTRACTOR SHALL BE RESPONSIBLE TO APPLY FOR AND PROCURE ALL REQUIRED PERMITS, CERTIFICATES AND AGENCY APPROVALS. ALL DOCUMENTS REQUIRED IN ADDITION TO THE CONTRACT DOCUMENTS SHALL BE PROVIDED BY THE CONTRACTOR. PROVIDE COPIES OF ALL REQUIRED CERTIFICATIONS AND APPROVALS TO THE OWNER.
7. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE AND PROFESSIONAL MANNER CONSISTENT WITH ALL APPLICABLE INDUSTRY STANDARDS. SYSTEM INSTALLATIONS SHALL CONFORM WITH ALL APPLICABLE INDUSTRY STANDARDS.
8. BEFORE SUBMITTING PROPOSAL THE CONTRACTOR SHALL VISIT AND CAREFULLY EXAMINE THOSE PORTIONS OF THE SITE AND/OR PRESENT BUILDINGS AFFECTED BY THIS WORK SO AS TO FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND THE DIFFICULTIES ASSOCIATED WITH THE EXECUTION OF THE WORK. THESE DIFFICULTIES INCLUDE AVAILABILITY OF THE EQUIPMENT AND MATERIALS. REPORT IN WRITING ANY CONDITIONS WHICH MIGHT ADVERSELY AFFECT THEIR WORK.
9. NO CONSIDERATION OR ADDITIONAL PAYMENTS WILL BE GRANTED FOR ANY ALLEGED MISUNDERSTANDING OF THE MATERIALS TO BE FURNISHED OR WORK TO BE DONE, IT BEING UNDERSTOOD THAT THE SUBMISSION OF A PROPOSAL IS AN AGREEMENT TO ALL CONDITIONS REFERRED TO HEREIN OR INDICATED ON THE PLANS.
10. COORDINATE WITH OWNER AND GENERAL CONTRACTOR SCHEDULING OF ALL WORK SUCH THAT ANY REQUIRED OVERTIME IS INCLUDED AT NO ADDITIONAL COST.
11. PROVIDE THREE SETS OF OPERATION AND MAINTENANCE MANUALS COVERING ALL INSTALLED EQUIPMENT ITEMS TO THE OWNER. THE O&M MANUALS SHALL ALSO INCLUDE AS-BUILT DRAWINGS AND BALANCING REPORT.
12. CONTRACTOR SHALL ENGAGE THE SERVICES OF AN APPROVED TESTING AND BALANCING CONTRACTOR WITH NEBB OR AABC CERTIFICATION. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL NECESSARY ADJUSTMENTS TO OBTAIN FLOW RATES AS INDICATED ON DRAWINGS. PROVIDE A FINAL TEST REPORT INCLUDING BUT NOT LIMITED TO THE FOLLOWING: CFM, STATIC PRESSURE, COOLING/HEATING COIL DISCHARGE TEMPERATURE, & FINAL FAN RPM.
13. THE CONTRACTOR SHALL LABEL ALL PIPING AND EQUIPMENT.
14. CONTRACTOR SHALL MAKE TESTS AT HIS OWN EXPENSE, AS REQUIRED BY OWNER AND/OR ANY INSPECTION DEPARTMENT. TEST SHALL BE MADE TO VERIFY WHETHER THE SYSTEM AND EQUIPMENT INSTALLED COMPLY WITH THE SPECIFICATIONS AND ARE IN PROPER WORKING ORDER.
15. AS A PART OF THIS CONTRACT, ALL WORK AND EQUIPMENT FURNISHED AND INSTALLED SHALL BE COVERED UNDER A FULL ONE YEAR GUARANTEE. THE WARRANTY SHALL COMMENCE ON THE DATE OF THE OWNER'S FINAL ACCEPTANCE.
16. PROVIDE DIELECTRIC ISOLATORS BETWEEN DISSIMILAR METALS.
17. IT IS NOT INTENDED THAT THE PLANS OR SPECIFICATIONS SHOW OR STATE EVERY DETAILED REQUIREMENT OF THE WORK, BUT RATHER THAT THEY FURNISH ADEQUATE INFORMATION FOR THE CONTRACTOR TO MAKE COMPLETELY APPROVED INSTALLATION.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING, WITHOUT ADDITIONAL CHARGE, ANY EXISTING WORK DAMAGED BY HIM DURING THE COURSE OF THIS CONSTRUCTION.
19. MECHANICAL CONTRACTOR SHALL PROVIDE NECESSARY CONTROLS AND INSTALLATION OF EQUIPMENT SUPPLIED BY THE UNIT MANUFACTURER TO MEET THE OPERATIONAL REQUIREMENTS OF THE MANUFACTURER SPECIFICATION. THE GAS MANUFACTURER WILL PROVIDE THE CONTROLS AND INSTALLATION REQUIRED TO MEET THE SEQUENCE OF OPERATION. MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE IBS CONTRACTOR TO PROVIDE A COMPLETE FUNCTIONING SYSTEM.
20. CONTRACTOR SHALL LEAVE ALL SYSTEMS IN PROPER WORKING ORDER AND SHALL, WITHOUT ADDITIONAL CHARGE, REPLACE ANY WORK, MATERIALS, OR EQUIPMENT FURNISHED AND INSTALLED BY HIM UNDER HIS CONTRACT WHICH DEVELOPS DEFECTS, EXCEPT FROM ORDINARY WEAR AND TEAR, WITHIN ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER.
21. COORDINATE ALL WALL & ROOF PENETRATIONS WITH THE GENERAL CONTRACTOR.
22. ALL CONSTRUCTION DEBRIS SHALL BE DISPOSED OF AS PER THE DIRECTION OF OWNER.
23. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL MAJOR MANUFACTURED ITEMS REQUIRED ON THIS PROJECT. A MINIMUM OF 4 COPIES SHALL BE SUBMITTED. PURCHASE OR INSTALLATION OF EQUIPMENT OR SYSTEM COMPONENTS PRIOR TO APPROVAL OF SHOP DRAWINGS IS FORBIDDEN. APPROVAL OF SHOP OR SETTING DRAWINGS SHALL ONLY BE CONSTRUED TO APPLY TO GENERAL LAYOUT AND CONFORMANCE TO THE DESIGN CONCEPT OF THE PROJECT AND FOR COMPLIANCE WITH THE GENERAL REQUIREMENTS OF THE CONTRACT DOCUMENTS. THE RESPONSIBILITY FOR ANY DEVIATION FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS SHALL REMAIN THE CONTRACTOR'S UNLESS HE HAS, IN WRITING, SPECIFICALLY CALLED ATTENTION TO SUCH DEVIATIONS AT THE TIME OF SUBMISSION AND HAS RECEIVED WRITTEN APPROVAL OF SUCH DEVIATIONS FROM THE OWNER.
24. CONTRACTOR SHALL PROVIDE PRODUCT DATA INCLUDING INSTALLATION AND STARTUP INSTRUCTIONS FOR ALL EQUIPMENT PROVIDED BY HIM. SUBMITTALS SHALL INCLUDE PERFORMANCE DATA, DETAILED SHOP DRAWINGS, WIRING DIAGRAMS AND MAINTENANCE INSTRUCTIONS.
25. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS.
26. CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS STEEL SHAPES, HANGER RODS, STRAPS, ETC. REQUIRED FOR ALL SYSTEM INSTALLATIONS. PROVIDE ALL SEISMIC RESTRAINTS AS REQUIRED BY THE INTERNATIONAL BUILDING CODE.
27. PROVIDE ALL CUTTING AND PATCHING AS REQUIRED. COORDINATE THIS WORK WITH THE GENERAL CONTRACTOR AND/OR CONSTRUCTION MANAGER.
28. SEAL ALL EXTERIOR WALL PENETRATIONS WEATHER TIGHT. PROVIDE FIRE RATED SLEEVES AT ALL FIRE WALL PENETRATIONS AND SEAL AROUND ALL PIPE WITH FIRE STOP SEALANT. COORDINATE PENETRATIONS AND FIRE STOPPING WITH THE GENERAL CONTRACTOR AND/OR CONSTRUCTION MANAGER.
29. AT THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE TO THE OWNER COMPLETE AND ACCURATE "AS CONSTRUCTED DOCUMENTATION" FOR ALL SYSTEMS INSTALLED OR ALTERED UNDER THIS CONTRACT.

MECHANICAL GENERAL SPECIFICATIONS:

PART 1 - GENERAL

GENERAL:

- A. THE MECHANICAL CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, TRANSPORTATION, EQUIPMENT, SERVICES AND FACILITIES REQUIRED FOR THE HVAC MODIFICATION WORK AND OTHER MECHANICAL WORK AS SHOWN ON THIS DOCUMENTS. ALL FIXTURES, DEVICES AND EQUIPMENT SHOWN, NOTED OR REQUIRED ON THE DRAWINGS, AND/OR CONTAINED HEREIN SHALL BE FURNISHED, INSTALLED, TESTED AND MADE READY FOR SATISFACTORY OPERATION.
- B. THE MECHANICAL CONTRACTOR IS TO COORDINATE WITH OTHER TRADES AND OWNER FOR EQUIPMENT LOCATIONS AND CLEARANCES REQUIRED FOR EQUIPMENT. CONTRACTOR TO COORDINATE AND MODIFY LAYOUT ACCORDINGLY.
- C. THE MECHANICAL CONTRACTOR SHALL FURNISH ALL PERMITS, CERTIFICATES, INSPECTIONS, ETC. AND PAY ALL FEES LEVIED BY STATE, LOCAL AND MUNICIPAL AUTHORITIES HAVING JURISDICTION OVER WORK DONE UNDER THIS CONTRACT.

SHOP DRAWING SUBMITTAL:

- A. THE CONTRACTOR SHALL SUBMIT, IN A TIMELY MANNER, ALL SUBMITTALS FOR APPROVAL BY THE ENGINEER. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR INSTALL ANY MATERIALS UNTIL THE ENGINEER HAS MADE FINAL APPROVAL ON THE SUBMITTALS.
- B. PREPARE COORDINATION DRAWINGS TO A SCALE OF 1/4"=1'-0" OR LARGER, DETAILING MAJOR ELEMENTS, COMPONENTS, AND SYSTEMS OR MECHANICAL EQUIPMENT AND MATERIALS IN RELATIONSHIP WITH OTHER SYSTEMS, INSTALLATIONS, AND BUILDING COMPONENTS.
- C. SUBMIT FIVE(5) SETS OF SHOP DRAWING FOR THE FOLLOWING:
 1. HVAC EQUIPMENT
 2. DIFFUSERS AND FIRE DAMPERS
 3. DUCTWORK

COORDINATION:

- A. POWER WIRING TO MECHANICAL EQUIPMENT, MOTOR CONTROLLERS AND CONTROL PANELS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
- B. HVAC CONTROL WIRING SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR.
- C. ALL NON-FACTORY FURNISHED MOTOR CONTROLLERS, MOTOR STARTERS AND DISCONNECTS SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR.
- D. DISCONNECT SWITCHES SHALL BE HEAVY DUTY TYPE WITH LOCKABLE HANDLE. DISCONNECTS FOR ALL ELECTRICALLY DRIVEN HVAC EQUIPMENT SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.

PART 2 - PRODUCT

REFER TO BOOK SPECIFICATION.

PART 3 - TESTING, ADJUSTING AND BALANCING

- A. BEFORE COMMENCING WITH THE BALANCING OF THE EXISTING BUILDING HOT WATER/CHILLED SYSTEM, THE SYSTEM SHALL BE THOROUGHLY LEAK FREE AND ANY AIR PRESENT SHALL BE VENTED AND PURGED.
- B. CLEANING THE AIR SYSTEMS:
 1. BEFORE FINAL ADJUSTMENT AND BALANCING, CHEESE CLOTH SHALL BE PLACED OVER EACH DUCT OPENING FOR ENTRAINING PARTICLES DURING THE CLEANING OPERATION. OPERATE ALL SYSTEMS FOR A MINIMUM OF FOUR (4) HOURS. AFTER THIS PERIOD, REMOVE ALL FILTERS. CLEAN ALL SUPPLY DUCTS, GRILLES AND REGISTERS, IN ALL UNITS, USING A VACUUM CLEANER AND BRUSH. FILTERS SHALL BE REPLACED.
 - C. BALANCING THE AIR SYSTEMS:
 1. OPERATE ALL SYSTEMS FOR AS LONG AS NECESSARY TO TEST AIR FLOW AT ALL OPENINGS. ADJUST DAMPERS, FANS, AND SHEAVES UNTIL EVEN DISTRIBUTION AND REQUIRED CFM OF AIR IS OBTAINED THROUGHOUT. SUBMIT FOR APPROVAL FOUR (4) TEST REPORTS SHOWING ALL PERTINENT OPERATING DATA SUCH AS CFM AND FPM AT EACH OUTLET. FAN RPM, MOTOR CURRENT, ETC., SHALL BE SUBMITTED FOR PERMANENT RECORD. DURING ADJUSTING PERIOD, MAKE ALL NECESSARY SETTINGS AND ADJUSTMENTS OF TEMPERATURE REGULATING EQUIPMENT. TEST REPORTS SHALL BE CERTIFIED BY A NEBB OR AABS LICENSED PROFESSIONAL ENGINEER WHO SHALL BE A MEMBER OF THE BALANCING FIRM.

- D. PERFORMANCE:
 1. AIR DISTRIBUTION DEVICES OF MANUFACTURERS OTHER THAN THOSE SCHEDULED SHALL MATCH DESIGN. FEATURES, CAPACITY AND DIMENSIONS OF MODEL NUMBER SCHEDULED. AIR DISTRIBUTION DEVICES SHALL BE SELECTED FOR PROPER THROW WITH A MAXIMUM NC LEVEL OF 35. BALANCE ALL NEW DIFFUSERS TO AIR QUANTITIES INDICATED. ALL DIFFUSERS ARE INDICATED BY A TAG INDICATING THE DIFFUSER MARK, NECK SIZE, AND CFM. DIFFUSERS SHALL BE AS SCHEDULED ON THE MECHANICAL DRAWINGS AND/OR ON THE AIR DISTRIBUTION DEVICE SCHEDULE.

PART 4 - INSTALLATION

EQUIPMENT INSTALLATION:

- A. INSTALL EQUIPMENT IN STRICT COMPLIANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTION.
- B. INSTALL EQUIPMENT IN STRICT COMPLIANCE WITH STATE AND LOCAL CODES AND APPLICABLE NFPA STANDARDS.
- C. MAINTAIN MANUFACTURER'S RECOMMENDED CLEARANCES AROUND SIDES AND OVER TOP OF EQUIPMENT.
- D. INSTALL COMPONENTS THAT WERE REMOVED FROM EQUIPMENT FOR SHIPPING PURPOSES.
- E. INSTALL COMPONENTS THAT WERE FURNISHED LOOSE WITH EQUIPMENT FOR FIELD INSTALLATION.
- F. PROVIDE ALL ELECTRICAL CONTROL AND POWER INTERCONNECT WIRING.

ABBREVIATIONS

ALL	ACOUSTICAL LINING	LD	LINEAR DIFFUSER
AC	AIR CONDITIONING	LF	LINEAR FEET
AD	ACCESS DOOR	LWT	LEAVING WATER TEMPERATURE
AFF	ABOVE FINISHED FLOOR	M.C.	MECHANICAL CONTRACTOR
AHU	AIR HANDLING UNIT	M.X.	MAXIMUM
APPROX	APPROXIMATE	MBH	BTU PER HOUR (THOUSAND)
ATO	AUTOMATIC TEMPERATURE CONTROL	MD	MOTORIZED DAMPER
ATM	ATMOSPHERE	MECH	MECHANICAL
AVG	AVERAGE	MER	MECHANICAL EQUIPMENT ROOM
AWG	AMERICAN WIRE GAUGE	MIN	MINIMUM
BAS	BUILDING AUTOMATION SYSTEM	N.C.	NORMALLY CLOSED
BHP	BRAKE HORSEPOWER	N.I.C.	NOT IN CONTRACT
BTU	BRITISH THERMAL UNITS	N.O.	NORMALLY OPEN
CA	COMPRESSED AIR	N.T.S.	NOT TO SCALE
CD	CEILING DIFFUSER	N/A	NOT APPLICABLE
CFM	CUBIC FEET OF AIR PER MINUTE	NC	NOISE CRITERIA
CHW	CHILLED WATER	OA	OUTSIDE AIR
CHWR	CHILLED WATER RETURN	P	PUMP
CHWS	CHILLED WATER SUPPLY	PC	PUMPED CONDENSATE
CL EL	CENTERLINE ELEVATION	PD	PRESSURE DROP
CMR	COMPRESSOR	PER	PERFORATED CEILING DIFFUSER
COND	CONDENSER	PH	PHASE
CP	CONTROL PANEL	PRESS	PRESSURE
CT	COOLING TOWER	PSI	POUNDS PER SQUARE INCH
CW	COLD WATER	PVC	POLYVINYL CHLORIDE
CWR	CONDENSER WATER RETURN	R&B	REMOVE AND BLANK OFF
CWS	CONDENSER WATER SUPPLY	RA	RETURN AIR
D	DRAIN	RAG	RETURN AIR GRILL
DB	DECIBEL	RCVR	RECEIVER
DB	DRY BULB	RD	RETURN AIR DIFFUSER
DEG	DEGREE	RECIRC	RECIRCULATE
DIA, Ø	DIAMETER	REG	REGISTER
EC	ELECTRICAL CONTRACTOR	REV	REVOLUTIONS
EDH	ELECTRIC DUCT HEATER	RH	RELATIVE HUMIDITY
EF	EXHAUST FAN	RLA	RUNNING LOAD AMPS
EFT	EFFICIENCY	RPM	REVOLUTIONS PER MINUTE
ENT	ENTERING	SA	SUPPLY AIR
ER	EXHAUST REGISTER	SAD	SUPPLY AIR DIFFUSER
ERHC	ELECTRIC REHEAT COIL	SAG	SUPPLY AIR GRILLE
EWT	ENTERING WATER TEMPERATURE	SAR	SUPPLY AIR REGISTER
EX	EXISTING	SD	SMOKE DETECTOR
EXIST.	EXISTING	SD	SUPPLY AIR DIFFUSER
EXP	EXPANSION	SF	SUPPLY FAN
F	FAHRENHEIT	SP	STATIC PRESSURE
FA	FACE AREA	T	THERMOSTAT
FC	FLEXIBLE CONNECTION	TAD	TRANSFER AIR DIFFUSER
FD	FLOOR DRAIN	TEMP	TEMPERATURE
FIRE	FIRE DAMPER	TG	TRANSFER GRILLE
FLA	FULL LOAD AMPS	TYP.	TYPICAL
FP	FREEZING POINT	U.O.N.	UNLESS OTHERWISE NOTED
FPM	FEET PER MINUTE	V	VOLT
FPJ	FAN POWERED UNIT	V	VENT
FRP	FIBERGLASS REINFORCED PLASTIC	VAV	VARIABLE AIR VOLUME
FSD	FIRE AND SMOKE DAMPER	VD	VOLUME DAMPER
FT	FEET	VEL	VELOCITY
G.C.	GENERAL CONTRACTOR	VOL	VOLUME
GA	GAGE OR GAUGE	W	WATT
GPM	GALLONS PER MINUTE	W	WASTE
HE	HEAT EXCHANGER	W/M	WIRE MESH
HP	HORSEPOWER	WB	WET BULB
HW	HOT WATER	WT	WEIGHT
HWR	HOT WATER RETURN		
HWS	HOT WATER SUPPLY		
HZ	HERTZ		
IN	INCHES		
KW	KILOWATT		
LBS	KILOWATT HOUR		
	POUNDS		

HVAC SYMBOL LEGEND

	DEMOLITION WORK NOTES
	PROPOSED WORK NOTES
	SUPPLY AIR DUCT
	RETURN AIR DUCT
	NEW AIR DIFFUSER
	EXISTING AIR DIFFUSER
	2-WAY AIR DIFFUSER
	2-WAY AIR DIFFUSER
	EXISTING SUPPLY AIR DIFFUSER TO BE REMOVED
	NEW RETURN AIR REGISTER
	NEW CONNECTION
	THERMOSTAT (T-STAT)
	EXISTING TO REMAIN
	EXISTING TO BE REMOVED
	NEW WORK
	PIPE DROP
	FLEXIBLE DUCT
	FIRE ALARM SYSTEM DUCT MOUNTED PHOTOELECTRIC SMOKE DETECTOR. FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
	POINT OF TERMINATION
	FIRE DAMPER
	VOLUME DAMPER
	3 WAY VALVE
	BALL VALVE
	CIRCUIT BALANCING VALVE



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SIGNATURE NOT VALID WITHOUT RAISED SEAL DATE

PROPOSED RENOVATIONS TO
STOCKTON UNIVERSITY
TOWNSEND RESIDENTIAL
LIFE CENTER
 101 VERA KING FARRIS DR.
 ATLANTIC COUNTY NEW JERSEY

Project
 Issued for Bid
 March 12, 2021

Revisions By Date

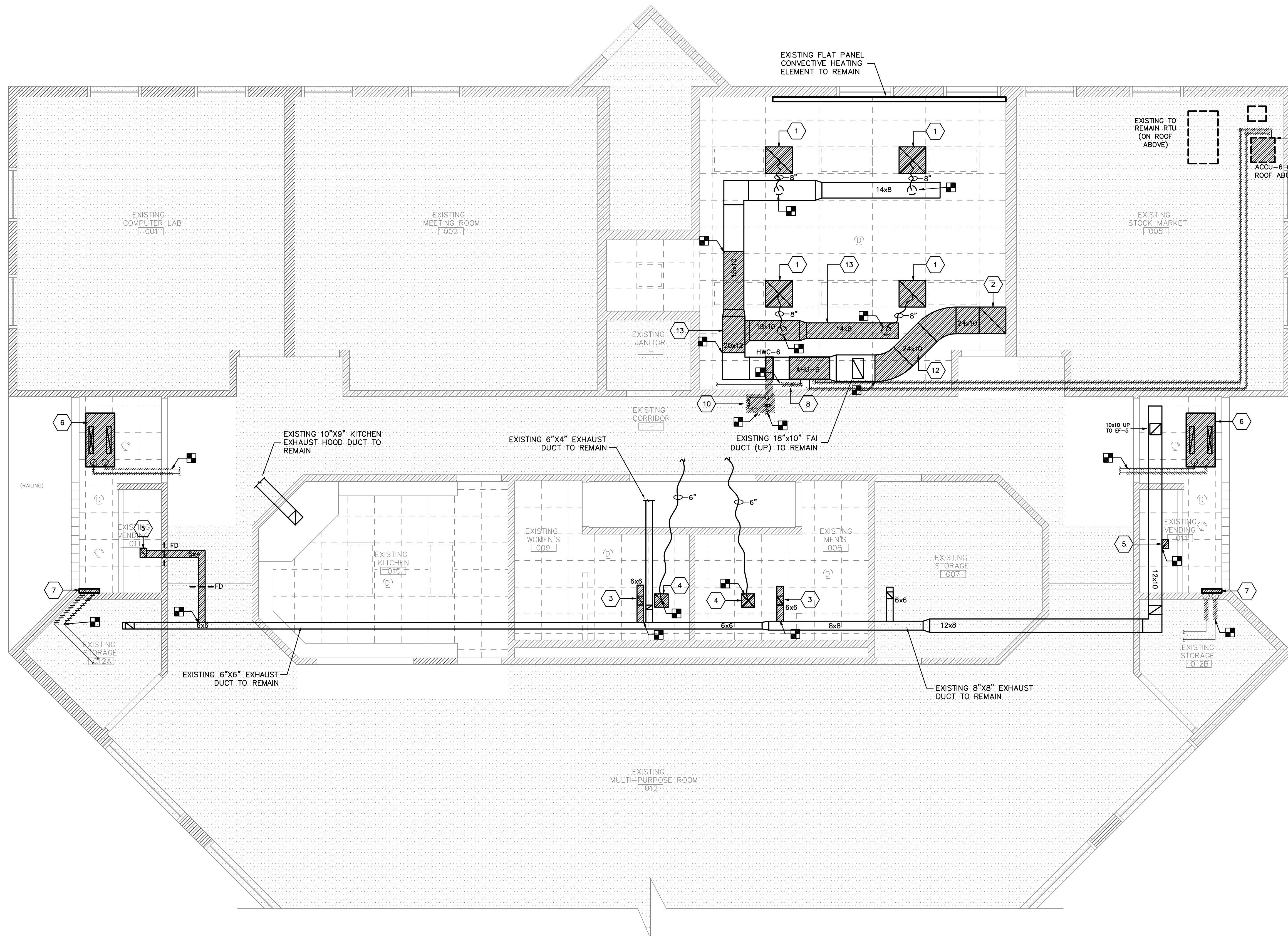
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Project No.
 YC20122



- DEMOLITION WORK NOTES**
- 1 REMOVE EXISTING CEILING DIFFUSER AND INSULATED FLEX DUCT RUN-OUT. PATCH BOTTOM TAKE-OFF ON RECTANGULAR DUCT BRANCH.
 - 2 REMOVE EXISTING 24" x 24" RETURN AIR FILTER GRILLE.
 - 3 REMOVE EXISTING 8" x 6" EXHAUST AIR GRILLE.
 - 4 REMOVE EXISTING 12" x 12" SUPPLY AIR DIFFUSER EXISTING 6" INSULATED FLEX DUCT RUN-OUT TO REMAIN.
 - 5 REMOVE 6" x 6" EXHAUST AIR GRILLE AND 6" x 4" EXHAUST DUCT BRANCH. CAP EXISTING EXHAUST DUCT WHERE INDICATED AT BRANCH TAKE-OFF.
 - 6 REMOVE EXISTING HYDRONIC CABINET UNIT HEATER INCLUDING UNIT CHASSIS, SUPPORTS, SUPPLY AND RETURN HOT WATER PIPING AND SERVICE VALVES. TERMINATE PIPING INSIDE BUILDING ENVELOPE WITH NEW ISOLATION VALVES, PIPE NIPPLES AND CAPS.
 - 7 REMOVE EXISTING FLAT PANEL HOT WATER RADIATOR AND SUPPORTS. TERMINATE SUPPLY AND RETURN HOT WATER PIPING INSIDE BUILDING ENVELOPE WITH NEW ISOLATION VALVES, PIPE NIPPLES AND CAPS.
 - 8 REMOVE EXISTING CONDENSATE DRAIN TRAP.
 - 9 REMOVE EXISTING AIR HANDLING UNIT AND EXISTING REFRIGERANT PIPING UP TO AIR COOLED CONDENSING UNIT ON ROOF.
 - 10 REMOVE EXISTING HOT WATER COIL AND PIPING INCLUDING CIRCUIT BALANCING VALVE AND THREE WAY CONTROL VALVE.
 - 11 REMOVE EXISTING AIR COOLED CONDENSING (HEAT PUMP) UNIT ON ROOF. RECLAIM AND RECYCLE THE REFRIGERANT FROM THIS SYSTEM.
 - 12 REMOVE PORTION OF RETURN AIR DUCT SHOWN. REMOVE RETURN AIR DAMPER, FRESH AIR INTAKE DAMPER, AND ASSOCIATED DAMPER ACTUATORS. REMOVE 12" FLEXIBLE RELIEF AIR INTAKE DUCT. REMOVE EXISTING DUCT MOUNTED RETURN AIR AND MIXED AIR TEMPERATURE SENSORS.
 - 13 REMOVE PORTIONS OF SUPPLY AIR DUCTWORK AS SHOWN.

1 MECHANICAL DEMOLITION WORK PLAN
M-1 SCALE: 1/4" = 1'-0"



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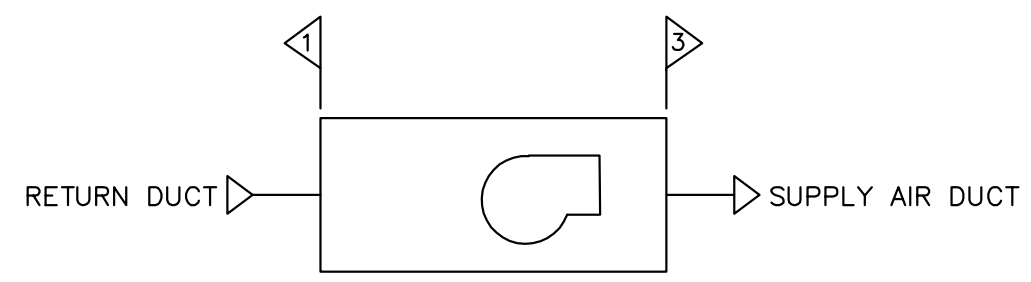
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Revisions	By	Date

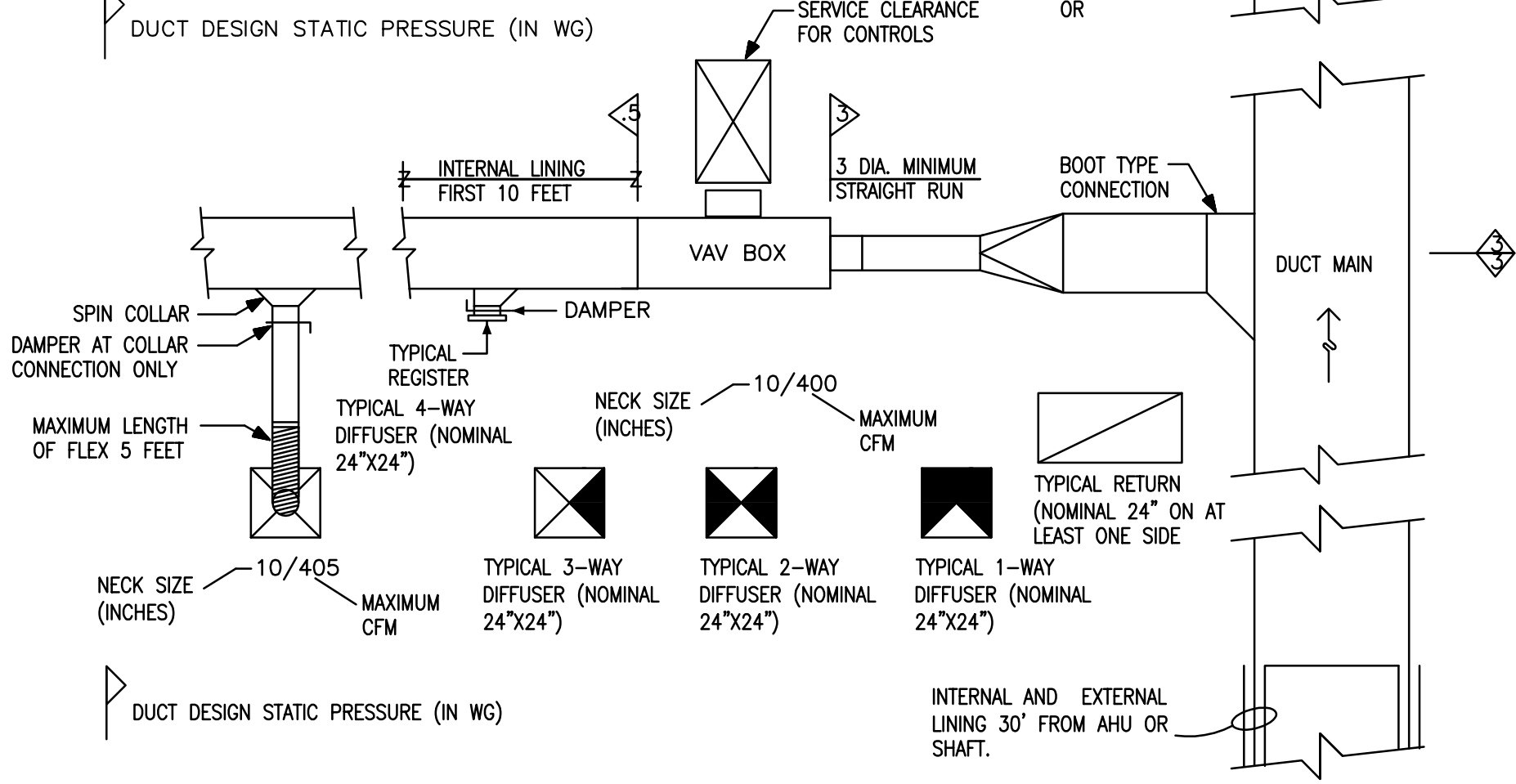
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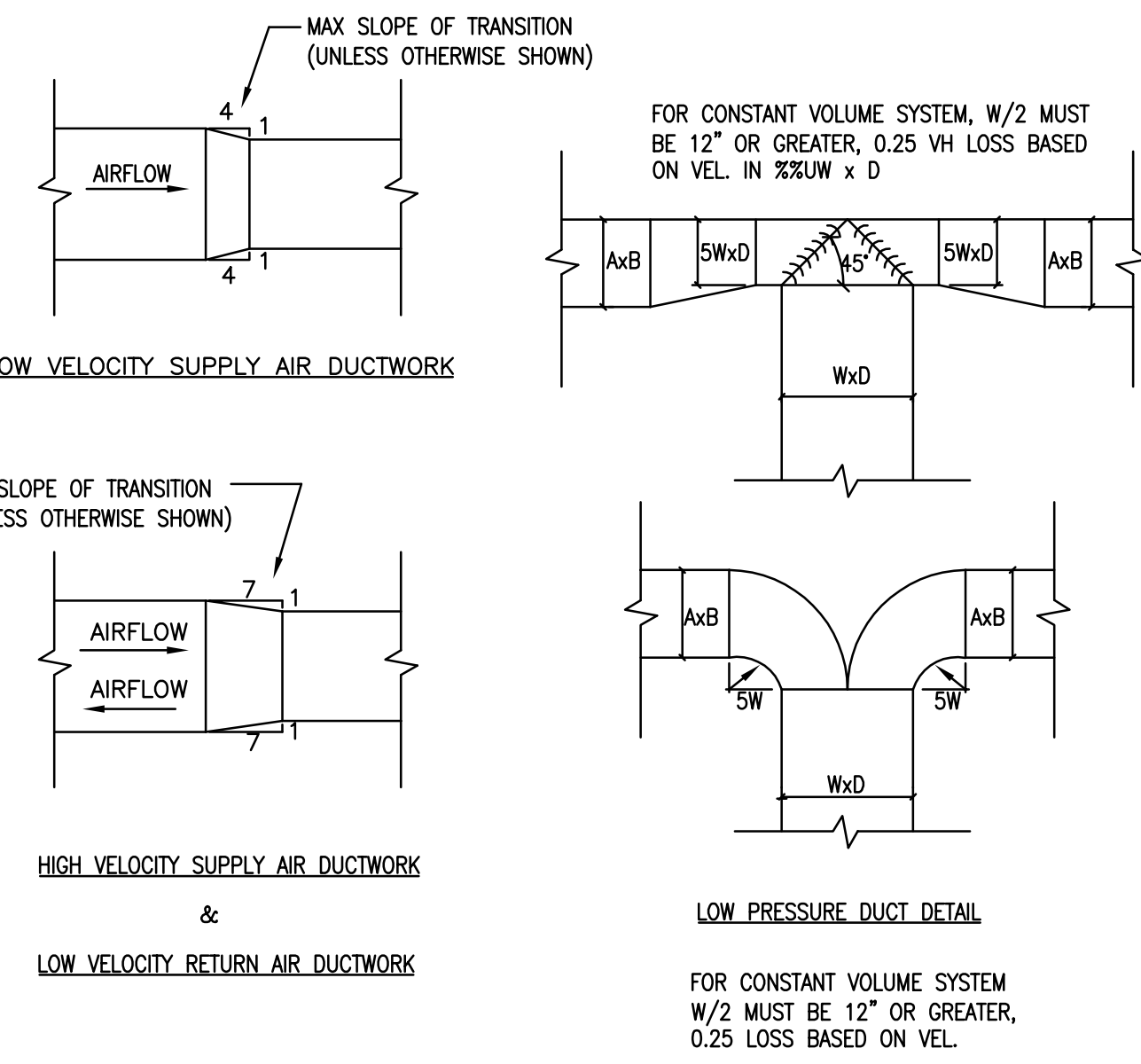


1 **SMACNA PRESSURE DETAIL**
NO SCALE

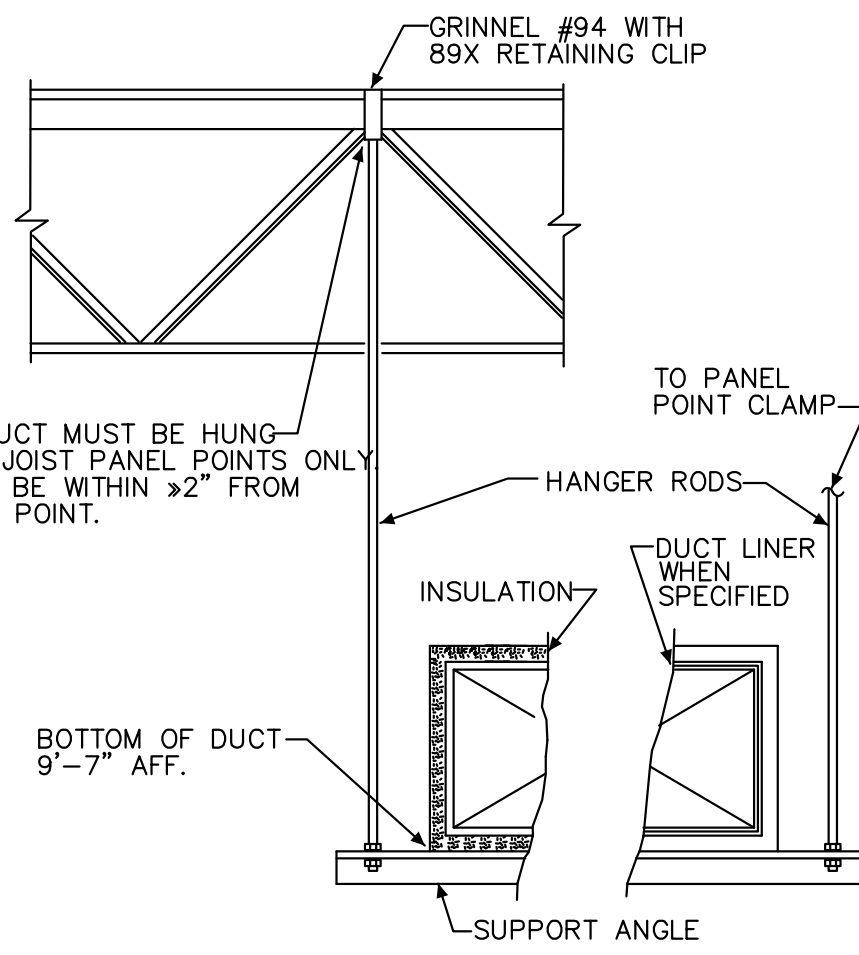


2 **HVAC CONSTRUCTION DETAIL**
NO SCALE

NOTE:
LOW VELOCITY: LESS THAN 2000 FPM
HIGH VELOCITY: EQUAL TO OR MORE THAN 2000 FPM



6 **DUCT TRANSITION DETAIL**
NO SCALE



DUCT WIDTH	ROD DIAM.	TYPE	SUPPORT ANGLE	MAX. SPACING
UP TO 24"	3/8"	A	1 1/2" x 1 1/2" x 1/8"	4'-0" O.C.
25" TO 36"	3/8"	B	1 1/2" x 1 1/2" x 1/8"	8'-0" O.C.

3 **DUCT HANGER ROD WITH SUPPORT**
NO SCALE

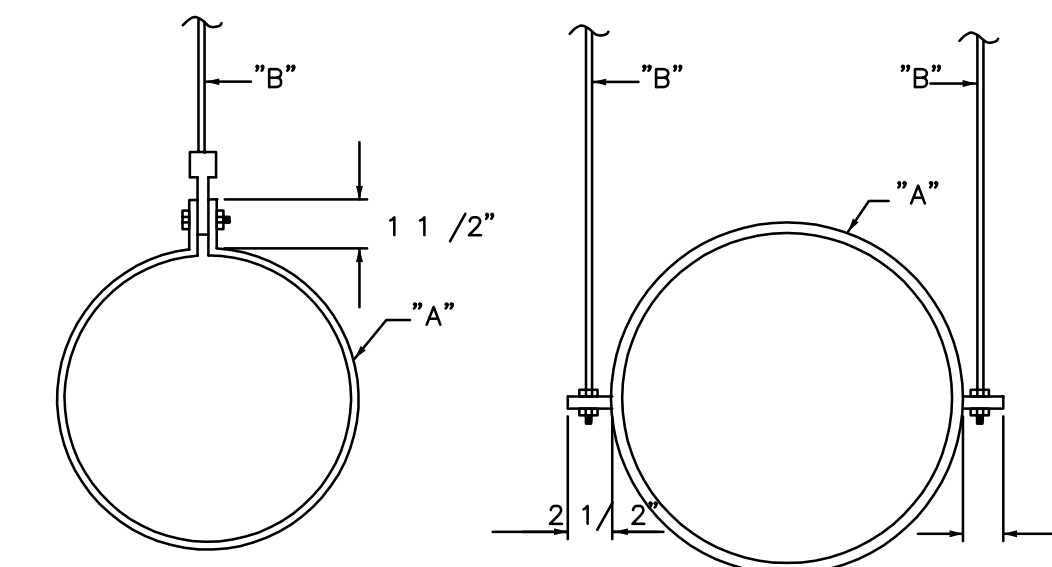
TYPICAL RECTANGULAR DUCT JOINTS AND REINFORCING

JOINT DETAIL	MAX. DUCT DIMENSION	MAX. DISTANCE BETWEEN JOINTS	REINFORCING AT JOINTS
	12"	8'	NONE
	18"	8'	NONE
	H = 1" 19" TO 42"	4'	NONE
	H = 1 1/2" 43" TO 60"	3'	NONE
	61" TO 84"	2'	1 1/2" x 1 1/2" x 1/8"
	85" TO 96"	2'	1 1/2" x 1 1/2" x 3/16"
	OVER 96"	2'	2 x 2 x 1/4"
	85" TO 96"	8'	1 1/2" x 1 1/2" x 3/16"
	OVER 96"	8'	2 x 2 x 1/4"

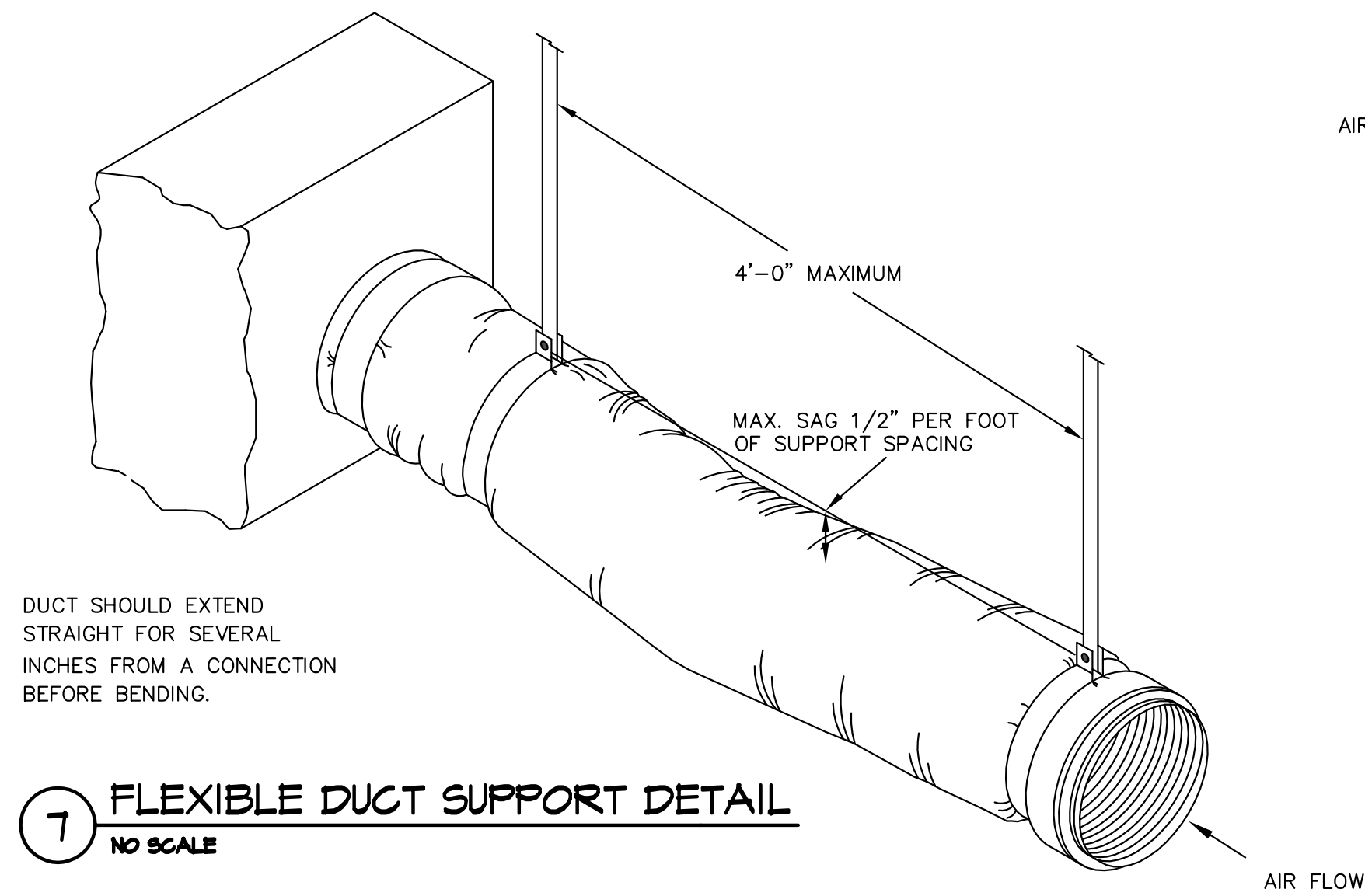
WHEN USING ANGLE COMPANION JOINTS, PROVIDE ANGLE REINFORCING ON 2FT. CENTER BETWEEN JOINTS OF THE SAME SIZE ANGLE AS USED FOR JOINT

4 **LOW PRESSURE SHEET METAL DUCTWORK**
NO SCALE

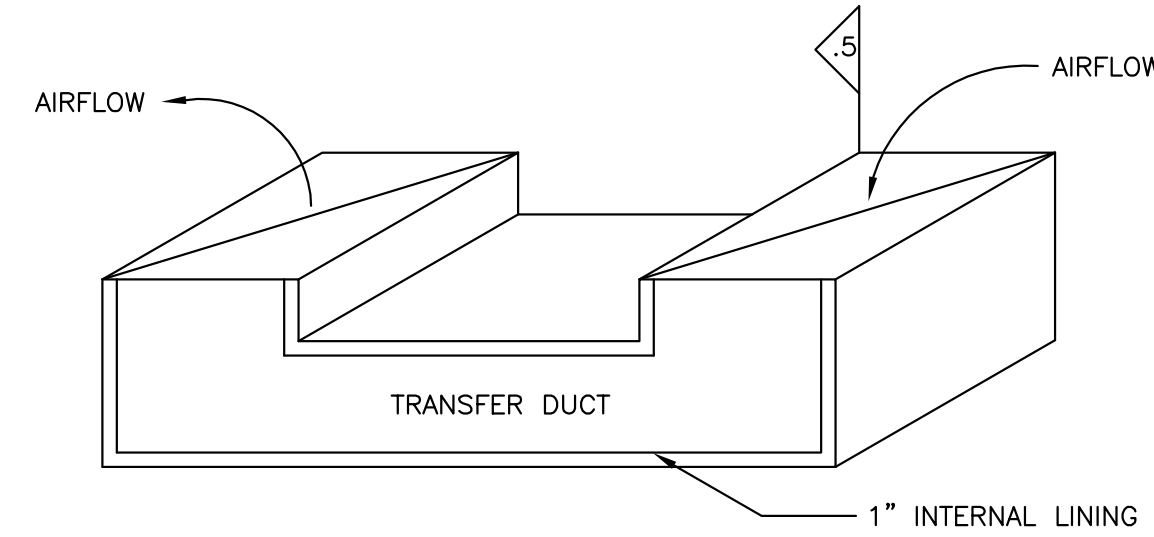
DUCT SIZE	"A" FLAT BAR	"B" ROD DIA.
UP TO 24"	1" x 1/8"	3/8"
25" TO 41"	1" x 1/8"	3/8"
42" AND UP	1 1/2" x 3/16"	1/2"



5 **DUCTWORK HANGER (ROUND DUCTWORK)**
NO SCALE



7 **FLEXIBLE DUCT SUPPORT DETAIL**
NO SCALE



8 **TRANSFER DUCT DETAIL**
NO SCALE

AIR-COOLED CONDENSING UNIT (HEAT PUMP) SCHEDULE												Applicable Notes
Tag	Manufacturer	Model	Total Capacity (MBH)	SEER	EER	COP AT 47°F	Elec. Char. (V/Ph/Hz)	MCA	MOPD	Dimensions (WxLxH)		
ACCU-6	Trane	4TWR5024H1	23.8	15.0	12.5	3.6	208/1/60	14	25	30" x 32.5" x 32.75"	1,3,4	

Notes: 1. Single stage, scroll compressor. 2. Two stage, scroll compressor. 3. Provide seacost kit. 4. Listed SEER, EER, and COP are at AHRI rating conditions, and with scheduled air handling unit.

HOT WATER HEATING COIL SCHEDULE																	
TAG	SERVICE	MFGR.	MODEL	CFM	PERFORMANCE							APD (in. wc)	WPD (ft. H2O)	ROWS	FIN SPACING (fpf)	SIZE W X H	NOTES
					MBH	EAT °F	LAT °F	EWT °F	LWT °F	GPM	VELOCITY (ft/min)						
HWC-6	AHU-6	TRANE	D5WB12018G0AA	800	22.56	55	81.0	180	160	2.25	533	0.098	0.07	1	113	18" x 12"	1

Notes: 1. Provide 1/2" modulating 3-way control valve with 24V Belimo actuator.

AIR HANDLING UNIT SCHEDULE															
Tag	Manufacturer	Model	EAT (db/wb)	LAT (db/wb)	Sensible Capacity (MBH)	Total Capacity (MBH)	Installed Configuration	Airflow (cfm)	ESP (in. wc.)	Elec. Char. (V/Ph/Hz)	MCA	MOPD	Dimensions (WxLxH)	Unit Weight (lbs.)	Applicable Notes
AHU-6	Trane	TEM4A0B24S21	80/67	59/57.3	17.9	23.8	Horizontal	800	0.50	208/1/60	2	15	18.5" x 45" x 21"	110	1,2,3,4,5,6

Notes: 1. Secondary, auxiliary overflow drain pan required. 2. TXV and filter rack (for 2" deep filter) required. 3. Capacities listed are at 95 degree outdoor air temperature, with entering air conditions listed and scheduled condensing units. 4. Provide 24" x 10" return air damper, and 18" x 10" outdoor intake damper with 24V motorized actuators. 5. Provide duct-mounted return air, mixed air, and supply air temperature sensors. 6. Provide Trane Tracer SC System UC400 controller.

HYDRONIC CABINET UNIT HEATER SCHEDULE																					
Tag	Manufacturer	Model	Size	EAT (°F)	LAT (°F)	Capacity (MBH)	EWT (°F)	LWT (°F)	Airflow (cfm)	GPM	Water PD (Ft.)	Coil Fins per Inch	Coil Face Area (sq. ft.)	Blower Dia. X W (in.)	Motor Type	Motor Hp	Electrical (V/Ph/Hz)	MCA	MOPD	Dimensions (WxLxH)	Applicable Notes
CUH-1	Beacon Morris	RC - 1200	03	60	126	23.8	200	184	335	3.0	0.55	12	1.5	5.75 x 7	ECM	1/15	120/1/60	0.6	15	26" x 43" x 9.5"	1,2,3
CUH-2	Beacon Morris	RC - 1200	03	60	126	23.8	200	184	335	3.0	0.55	12	1.5	5.75 x 7	ECM	1/15	120/1/60	0.6	15	26" x 43" x 9.5"	1,2,3

Notes: 1. Model specified is recessed-ceiling, with bottom face supply and return air. 2. Airflow listed is for high speed. Medium speed airflow is 240 cfm. Low speed airflow is 150 cfm. 3. Unit is provided with a 27.75" x 9" x 1/2" thick permanent filter. 4. Provide 40 VA, 120 V primary / 24 V secondary control transformer (with secondary circuit breaker); pilot duty relay with 10 amp contact rating, 24 volt holding coil, and HOA switch (RIBU1S or equiv.); and 24 volt, programmable thermostat.



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PROPOSED RENOVATIONS TO
STOCKTON UNIVERSITY
TOWNSEND RESIDENTIAL
LIFE CENTER
101 VERA KING FARRIS DR.
GALLOWAY
ATLANTIC COUNTY
NEW JERSEY

Project
Issued for Bid
March 12, 2021

Revisions By Date

Sheet Title
MECHANICAL
DETAILS & EQUIPMENT
SCHEDULES

Drawn By
13

Chk'd By
OF
21

Sheet No.

M-3

Project No.
YC20122

ELECTRICAL GENERAL NOTES & SPECIFICATIONS

- UNLESS ITEMS OF MATERIAL, EQUIPMENT OR WORK ARE SPECIFICALLY NOTED TO BE PROVIDED OR FURNISHED BY OTHERS, THEY SHALL BE PROVIDED BY THIS CONTRACTOR TO PERFORM THE WORK AS SHOWN AND DESCRIBED ON THE DRAWINGS. ITEMS NOTED AS "FURNISHED BY OWNER" SHALL BE INSTALLED BY THIS CONTRACTOR.
- WORK SHALL BE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70), UNIFORM CONSTRUCTION CODE, INTERNATIONAL BUILDING CODE AND ALL APPLICABLE STATE AND LOCAL CODES.
- WORK SHALL BE INSTALLED AND PERFORMED IN A WORKMAN LIKE MANNER CONSISTENT WITH APPLICABLE INDUSTRY STANDARDS.
- EQUIPMENT INSTALLATIONS SHALL CONFORM TO THE EQUIPMENT MANUFACTURER'S WRITTEN INSTRUCTIONS AND ALL APPLICABLE INDUSTRY STANDARDS. INSTALL EQUIPMENT IN STRICT COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- BY SUBMITTING THEIR BID, THIS CONTRACTOR WARRANTS THAT HE HAS VISITED THE PROJECT SITE, VIEWED CONDITIONS, MATERIALS AND EQUIPMENT THAT EXIST AND WARRANTS THAT HE IS THOROUGHLY FAMILIAR WITH THE SCOPE OF WORK REQUIRED TO PROVIDE A COMPLETE, FULLY FUNCTIONAL, CODE ACCEPTABLE SYSTEM.
- COORDINATE INSTALLATION OF WORK WITH EXISTING CONDITIONS AND ALL OTHER SYSTEMS BEING INSTALLED PRIOR TO START OF WORK. ALL SYSTEMS REQUIRED TO BE REMOVED AND REINSTALLED DUE TO THE LACK OF COORDINATION BY THIS CONTRACTOR SHALL BE DONE AT THIS CONTRACTOR'S EXPENSE. WHERE SYSTEMS OR ITEMS ARE INDICATED ON THE DRAWINGS, OR DURING THE COURSE OF CONSTRUCTION ARE FOUND NECESSARY TO BE RELOCATED, REROUTED OR REMOVED AND REINSTALLED, CONTRACTOR SHALL PROVIDE NEW MATERIALS TO MATCH EXISTING MATERIALS, EQUIPMENT, ETC. AS REQUIRED TO PERFORM TASKS INDICATED.
- WORK REQUIRING THE SHUTDOWN OF ANY EXISTING SYSTEMS SHALL BE COORDINATED SO LENGTH OF DOWN TIME IS MINIMIZED. ALL SYSTEM SHUTDOWNS SHALL BE COORDINATED WITH OWNER PRIOR TO START OF CONSTRUCTION.
- SYSTEMS SHALL BE LEFT IN PROPER WORKING ORDER. WORK, MATERIALS OR EQUIPMENT FURNISHED AND INSTALLED BY THIS CONTRACTOR UNDER THIS CONTRACT THAT DEVELOPS DEFECTS WITHIN ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK BY THE OWNER, OTHER THAN NORMAL WEAR AND TEAR, SHALL BE REPLACED WITHOUT ADDITIONAL CHARGE.
- IN FINISHED AREAS, CONCEAL RACEWAYS AND WIRING IN WALLS, PIPE CHASES, ABOVE CEILINGS OR UTILITY SPACES, UNLESS INSTALLATION OF SURFACE MOUNTED RACEWAYS HAS THE PRIOR APPROVAL OF THE OWNER.
- INSTALL RACEWAYS TIGHT TO SLABS, BEAMS, JOISTS, COLUMNS, WALLS, AND OTHER PERMANENT ELEMENTS OF THE BUILDING. ALLOW SUFFICIENT SPACE ABOVE REMOVABLE CEILING PANELS TO ALLOW FOR PANEL REMOVAL.
- PROVIDE GROUNDING FOR ALL ELECTRICAL ENCLOSURES AND EQUIPMENT AND FOR ALL METAL PIPING IN THE BUILDING (ELECTRICAL CONDUIT, WATER PIPING, SPRINKLER PIPING, ETC.) IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70). CONNECT THE GROUNDING FOR THIS EQUIPMENT TO THE BUILDING'S EXISTING GROUND SYSTEM.
- PROVIDE LATERAL SEISMIC RESTRAINTS AS REQUIRED IN ACCORDANCE WITH THE LATEST EDITION OF APPLICABLE BUILDING CODE FOR ALL EQUIPMENT AND RACEWAYS AS DESCRIBED WITHIN THE CODE.
- PROVIDE ALL MISCELLANEOUS STEEL SHAPES, HANGERS, RODS, STRAPS, ETC. REQUIRED FOR THE INSTALLATION OF EQUIPMENT UNDER THIS CONTRACT.
- PROVIDE APPLICABLE PLUGS OR COVERS FOR ALL OPENINGS IN CONDUIT FITTINGS, J-BOXES, ETC.
- PROVIDE TEMPORARY LIGHTING AND POWER, AS REQUIRED, DURING CONSTRUCTION. REMOVE WIRING AND DEVICES AT END OF CONSTRUCTION.
- PROVIDE FIRE RATED SLEEVES AT ALL FIREWALL PENETRATIONS AND SEAL AROUND SLEEVES AND PIPES WITH FIRE STOP SEALANT. THIS CONTRACTOR SHALL HIRE INDIVIDUALS SKILLED IN SUCH WORK TO DO THE SEALING AND FIREPROOFING. THESE INDIVIDUALS HIRED SHALL NORMALLY AND ROUTINELY BE EMPLOYED IN THE SEALING AND FIREPROOFING OCCUPATION.
- UNLESS DIRECTED OTHERWISE, ALL CUTTING AND PATCHING OF NEW AND EXISTING WALLS, CEILINGS OR FLOORS FOR REMOVALS OR INSTALLATION OF EQUIPMENT, IS THE RESPONSIBILITY OF THE CONTRACTOR WHOSE WORK PENETRATES THE OPENING. THE CONTRACTOR RESPONSIBLE SHALL HIRE INDIVIDUALS SKILLED IN SUCH WORK TO DO THE PATCHING AND PAINTING. THESE INDIVIDUALS HIRED SHALL NORMALLY AND ROUTINELY BE EMPLOYED IN THE PATCHING AND PAINTING OCCUPATION. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING, WITHOUT ADDITIONAL CHARGE, ANY EXISTING WORK DAMAGED BY HIM DURING THE COURSE OF THIS CONSTRUCTION.
- VERIFY AFTER ALL WORK IS COMPLETED THAT ALL OPENINGS IN WALLS AND CEILINGS ARE PATCHED AND PAINTED TO MATCH EXISTING SURFACES.
- APPLY FOR AND PROCURE ALL REQUIRED PERMITS, CERTIFICATES, AND AGENCY APPROVALS REQUIRED FOR THE LAWFUL PROSECUTION OF THE WORK UNLESS OTHERWISE DIRECTED. PROVIDE THE OWNER WITH COPIES OF ALL REQUIRED CERTIFICATIONS AND APPROVALS.
- PROVIDE THE OWNER WITH COMPLETE AND ACCURATE "AS INSTALLED DOCUMENTATION" AT THE COMPLETION OF THE PROJECT.
- PROVIDE TESTS AS REQUIRED BY THE OWNER OR ANY INSPECTION DEPARTMENT. TESTS SHALL VERIFY WHETHER THE EQUIPMENT AND SYSTEMS INSTALLED COMPLY WITH THE SPECIFICATIONS AND ARE IN PROPER WORKING ORDER. PROVIDE TEST RESULTS TO THE OWNER.
- EQUIPMENT LISTED IN THESE DOCUMENTS BY MANUFACTURE AND MODEL NUMBER ESTABLISHES A STANDARD OF QUALITY FOR THE EQUIPMENT. EQUAL SUBSTITUTES MAY BE ACCEPTABLE. WRITTEN APPROVAL OF THE PROPOSED SUBSTITUTION IS REQUIRED PRIOR TO PURCHASE OR INSTALLATION.
- SUBMIT SHOP DRAWINGS FOR ALL MAJOR MANUFACTURED ITEMS REQUIRED ON THIS PROJECT. A MINIMUM OF 4 COPIES SHALL BE SUBMITTED. EQUIPMENT OR SYSTEM COMPONENTS SHALL NOT BE PURCHASED OR INSTALLED PRIOR TO CONTRACTORS RECEIPT OF THE REVIEWED SHOP DRAWINGS. REVIEW OF SHOP OR INSTALLATION DRAWINGS SHALL ONLY BE CONSTRUED TO APPLY TO GENERAL LAYOUT AND CONFORMANCE OF THE EQUIPMENT TO THE DESIGN CONCEPT OF THE PROJECT AND FOR CONFORMANCE WITH THE GENERAL REQUIREMENTS OF THE CONTRACT DOCUMENTS. THE RESPONSIBILITY FOR DEVIATIONS FROM THE CONTRACT DOCUMENTS SHALL BE THE CONTRACTOR'S UNLESS THE CONTRACTOR HAS, IN WRITING, SPECIFICALLY CALLED ATTENTION TO SUCH DEVIATIONS AT THE TIME OF SUBMISSION AND HAS RECEIVED WRITTEN APPROVAL OF SUCH DEVIATIONS FROM THE OWNER.
- PROVIDE PRODUCT DATA INCLUDING INSTALLATION AND STARTUP INSTRUCTIONS FOR ALL EQUIPMENT SUPPLIED UNDER THIS CONTRACT PRIOR TO PURCHASE. SUBMITTALS SHALL INCLUDE PERFORMANCE DATA, WIRING DIAGRAMS, AND MAINTENANCE INSTRUCTIONS.
- ALL WIRING SHALL BE COPPER TYPE THHN (INTERIOR) AND THWN (EXTERIOR).
- ALL LIGHTING CIRCUIT HOMERUNS SHALL BE MINIMUM #10 AWG.
- WIRING AND ASSOCIATED RACEWAYS NOT SHOWN ON THE DRAWINGS SHALL BE SIZED PER THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70) UNLESS NOTED OTHERWISE.
- RACEWAYS:
 - EXPOSED INDOOR: ELECTRICAL METALLIC TUBING (EMT) OR AS INDICATED
 - CONCEALED INDOOR: EMT, FLEXIBLE METAL CONDUIT OR AS INDICATED
 - IN CONCRETE SLAB: GALVANIZED RIGID STEEL, PVC, OR AS INDICATED
 - FINAL CONNECTIONS TO EQUIPMENT SUBJECT TO VIBRATION, MOVEMENT, OR ADJUSTMENT: 3'-0" MINIMUM LENGTH OF LIQUID TIGHT FLEXIBLE METAL CONDUIT.
 - CONNECTION TO LIGHT FIXTURES: 6'-0" MAXIMUM LENGTH OF FLEXIBLE ARMOR CLAD CABLE, TYPE AC OR MC.
 - MINIMUM RACEWAY SIZE IS: 3/4" FOR POWER WIRING, 1/2" FOR SIGNAL & CONTROL CABLING
- ALL SIZING OF EQUIPMENT FOR CONNECTION TO MECHANICAL EQUIPMENT IS BASED ON MECHANICAL EQUIPMENT THAT IS SPECIFIED. THIS CONTRACTOR SHALL VERIFY ALL POWER REQUIREMENTS FOR ACTUAL EQUIPMENT INSTALLED. COORDINATE ANY MODIFICATIONS WITH THE ENGINEER PRIOR TO INSTALLATION.
- ALL CUTTING AND PATCHING OF ROOF SHALL BE PROVIDED BY THE GENERAL CONTRACTOR UNLESS DIRECTED OTHERWISE. RESPONSIBLE CONTRACTOR SHALL SECURE THE SERVICES OF THE INSTALLED ROOFING MANUFACTURER'S CERTIFIED ROOFING TECHNICIAN PRIOR TO ANY PENETRATIONS OF EXISTING ROOFING ARE MADE TO MAINTAIN ANY WARRANTIES OF NEW OR EXISTING ROOF SYSTEM. ALL PENETRATIONS SHALL BE SEALED WATER-TIGHT.
- ALL ELECTRICAL PANELS WITHIN CONTRACT AREA SHALL BE PROVIDED WITH UP-TO-DATE, TYPED INDEX CARDS MOUNTED IN PLASTIC HOLDERS ON THE INSIDE OF EACH ENCLOSURE DOOR.
- THE FACILITY OPERATIONS SHALL REMAIN FUNCTIONAL DURING CONSTRUCTION. THIS CONTRACTOR SHALL PROVIDE FULL DUST BARRIER ENCLOSURES AROUND ALL CONSTRUCTION, AND KEEP ALL AREAS CLEAR OF ALL DIRT AND DEBRIS. THIS CONTRACTOR SHALL THOROUGHLY COORDINATE, AND SCHEDULE CONSTRUCTION WITH GENERAL CONTRACTOR AND THE OWNER PRIOR TO COMMENCING CONSTRUCTION.

ELECTRICAL SYMBOLS LEGEND

	CONDUIT AND/OR WIRING HOMERUN TO PANELBOARD. TEXT INDICATES PANEL DESIGNATION AND CIRCUIT NUMBER.
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	CONDUIT WITH CAP UNLESS OTHERWISE NOTED)
	DEMOLITION OR NEW WORK
	EXISTING TO REMAIN
	UNFUSED DISCONNECT SWITCH
	FLUSH WALL MOUNTED JUNCTION BOX OR JUNCTION BOX ABOVE CEILING
	WALL OUTLET BOX FOR TELEPHONE W/ 1" (W/ PULL CORD) TO ABOVE ACCESSIBLE FINISHED CEILING MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED
	WALL OUTLET BOX FOR DATA W/ 1" (W/ PULL CORD) TO ABOVE ACCESSIBLE FINISHED CEILING MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED
	FIRE ALARM SYSTEM SMOKE DETECTOR - SIMPLEX MODEL #4098-9757 SUPPLIED W/ 4098-9788 2-WIRE BASE W/ REMOTE L.E.D. OUTPUT
	FIRE ALARM SYSTEM HEAT DETECTOR - SIMPLEX MODEL #4098-9733 SUPPLIED W/ 4098-9792 TRUEALARM BASE FIRE ALARM
	SYSTEM DUCT DETECTOR - SIMPLEX MODEL #4098-9756 W/ 4098-9843 PROGRAMMABLE RELAY, TYPE 2088-9797 SAMPLING TUBES & 2098-9806 REMOTE TEST STATION, RED LED, KEY SWITCH
	FIRE ALARM SYSTEM ADDRESSABLE MANUAL PULL STATION - SIMPLEX MODEL #4099-9001
	FIRE ALARM SYSTEM AUDIO/VISUAL UNIT - SIMPLEX MODEL 4903-9426 ("#" INDICATES CANDELLA LEVEL)
	FIRE ALARM SYSTEM VISUAL UNIT - SIMPLEX MODEL #4904-9169 ("#" INDICATES CANDELLA LEVEL)
	208/120V BRANCH CIRCUIT PANELBOARD - FLUSH MOUNTED
	WALL OUTLET BOX AND 120V, 20 AMP DUPLEX CONVENIENCE RECEPTACLE MOUNTED 18" ABOVE FINISHED UNLESS OTHERWISE NOTED. (+ INDICATES MOUNTED AT COUNTERTOP HEIGHT) COORDINATE LOCATION WITH ARCHITECTURAL PLANS
	WALL OUTLET BOX AND 120V, 20 AMP G.F.I. RECEPTACLE (+ INDICATES MOUNTED AT COUNTERTOP HEIGHT. COORDINATE LOCATION WITH ARCHITECTURAL PLANS
	WALL OUTLET BOX AND 120V, 20 AMP QUADRAPLEX RECEPTACLE MOUNTED 18" AFF UNLESS OTHERWISE NOTED. (+ INDICATES MOUNTED AT COUNTERTOP HEIGHT. COORDINATE LOCATION WITH ARCHITECTURAL PLANS
	2X4 FLUORESCENT LIGHTING FIXTURE - LETTER "A" INDICATES TYPE
	2X4 FLUORESCENT LIGHTING FIXTURE ON UNSWITCHED CIRCUIT FOR NIGHT LIGHTING - LETTER INDICATES TYPE
	1X4 FLUORESCENT LIGHTING FIXTURE - LETTER "A" INDICATES TYPE
	WALL MOUNTED LIGHT - LETTER "A" INDICATES TYPE
	CEILING OUTLET BOX AND ILLUMINATED EXIT SIGN (SHADED QUADRANT INDICATES FACE). DIRECTIONAL ARROWS AS INDICATED ON PLANS. LETTER "A" INDICATES TYPE
	WALL OUTLET BOX AND ILLUMINATED EXIT SIGN (SHADED QUADRANT INDICATES FACE). DIRECTIONAL ARROWS AS INDICATED ON PLANS. LETTER "A" INDICATES TYPE.
	BATTERY OPERATED EMERGENCY LIGHTING UNIT; NUMBER OF HEADS AS INDICATED ON PLANS
	REMOTE HEAD FOR BATTERY OPERATED EMERGENCY LIGHTING UNIT. LETTER "A" INDICATES TYPE.
	WALL OUTLET BOX AND SINGLE POLE TOGGLE-TYPE SWITCH - 20 AMP, MOUNTED 54" AFF UNLESS OTHERWISE NOTED. (LOWER CASE LETTER INDICATES LIGHTS TO BE CONTROLLED. IF NO LETTER IS INDICATED, ALL LIGHTS IN ROOM SHALL BE CONTROLLED)
	WALL OUTLET BOX AND THREE-WAY TOGGLE TYPE SWITCH - 20 AMP, MOUNTED 54" AFF UNLESS OTHERWISE NOTED. (LOWER CASE LETTER INDICATES LIGHTS TO BE CONTROLLED. IF NO LETTER IS INDICATED, ALL LIGHTS IN ROOM SHALL BE CONTROLLED)
	4"SQ. OUTLET BOX AND OCCUPANCY SENSOR (DUAL TECHNOLOGY TYPE) MOUNTED ON CEILING UNLESS OTHERWISE NOTED.
	SECURITY SYSTEM MOTION SENSOR
	SECURITY SYSTEM DOOR CONTACTOR
	SECURITY SYSTEM EXTERIOR WEATHERPROOF SPEAKER
	EMERGENCY BATTERY PACK
	EMERGENCY LIGHTING REMOTE HEAD
	SECURITY SYSTEM KEY PAD
	GRADE MOUNTED OUTLET BOX AND 120V, 20 AMP G.F.I. DUPLEX RECEPTACLE WITH WEATHER PROOF, LOCKING COVER. COORDINATE LOCATION WITH ARCHITECTURAL PLANS.

ABBREVIATIONS LEGEND

ABBREVIATION	DESCRIPTION
A	AMPERES
AC	AIR CONDITIONING
ACC	AIR COOLED CONDENSER
ACCU	AIR COOLED CONDENSING UNIT
AHU	AIR HANDLING UNIT
AFF	ABOVE FINISHED FLOOR
ARCH	ARCHITECT
AWG	AMERICAN WIRE GAUGE
ATS	AUTOMATIC TRANSFER SWITCH
C	CONDUIT - RACEWAY
CB	CIRCUIT BREAKER
CD	CONTRACT DOCUMENTS
CKT	CIRCUIT
CLG	CEILING
CM	CONSTRUCTION MANAGER
CU	COPPER
DWG	DRAWING
EM	EMERGENCY
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EOL	END OF LINE
EWH	ELECTRIC WATER HEATER
EWC	ELECTRIC WATER COOLER
E/R	EXISTING TO REMAIN
F	FAHRENHEIT
FIXT	FIXTURE
FLA	FULL LOAD AMPS
G	GROUND OR GROUNDING
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GFI	GROUND FAULT INTERRUPT
HZ	HERTZ
HP	HORSE POWER
ISCA	SHORT CIRCUIT CURRENT RATING
KVA	KILOVOLT AMPERES
KW	KILOWATTS
KWH	KILOWATT HOUR
LSG	LONG TIME, SHORT TIME, GROUND FAULT
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MH	MOUNTING HEIGHT
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
N	NEUTRAL
NEC	NATIONAL ELECTRICAL CODE
NL	NIGHT LIGHT
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PNL	PANEL OR PANELBOARD
PH	PHASE
RTU	ROOF TOP UNIT
SP	SPARE
TBD	TO BE DECIDED
TEL	TELEPHONE
TW/SH	TWISTED/SHIEDED
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
V	VOLT
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
WP	WEATHERPROOF
WH	WATER HEATER
XFMR	TRANSFORMER

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	ACCEPTABLE MFR & CAT#
A	VOLUMETRIC LED TROFFER, 2' x 4', WITH PRISMATIC DIFFUSER	LITHONIA 2VTL4-48L-ADP-EZ1-LP35
B	8" LED DOWNLIGHT - EXTERIOR	LITHONIA WF8-LED-35K-MVOLT-90CRI-MW
C	LED EXIT SIGN/EMG LIGHT	LIGHTALARMS UQLXN500R-2LEDR



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PROPOSED RENOVATIONS TO
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LIFE CENTER
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Revisions	By	Date

Sheet Title
ELECTRICAL
COVERSHEET

Drawn By	14
Ch'g'd By	OF 21

Sheet No.
E-0
Project No.
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- 1 DISCONNECT ELECTRICAL POWER CIRCUIT FOR CEILING-MOUNTED CABINET UNIT HEATER, SAFE-OFF CIRCUIT AND PREPARE FOR EXTENSION TO NEW CABINET UNIT HEATER TO BE INSTALLED UNDER THE SCOPE OF THE PROPOSED WORK.
- 2 EXISTING CEILING RECESSED LIGHTING FIXTURE TO BE REMOVED. SAFE-OFF EXISTING CONDUCTORS AND PREPARE FOR RECONNECTION TO NEW LIGHTING FIXTURE TO BE INSTALLED UNDER THE SCOPE OF THE PROPOSED WORK.
- 3 REMOVE EXISTING LIGHT SWITCH AND SWITCH LEG CONDUCTORS BACK TO ASSOCIATED LIGHT FIXTURES. INSTALL BLANK COVER PLATE OVER EXISTING RECESSED ELECTRICAL BOX.
- 4 REMOVE EXISTING CEILING-MOUNTED SMOKE DETECTOR. REMOVE FIRE ALARM CONDUCTORS BACK TO NEXT FIRE ALARM DEVICE. REPROGRAM FIRE ALARM SYSTEM FOR REMOVAL OF EXISTING SMOKE DETECTORS.
- 5 REMOVE EXISTING DUPLEX RECEPTACLES. SAFE-OFF CONDUCTORS AND PREPARE FOR RECONNECTION TO NEW RECEPTACLES UNDER THE SCOPE OF THE PROPOSED WORK.
- 6 REMOVE EXISTING SURFACE-MOUNTED DUPLEX RECEPTACLE MOUNTED AT CEILING HEIGHT FOR AUTOMATIC DOOR ACTUATOR. REMOVE CONDUCTORS AND SURFACE-MOUNTED CONDUIT BACK TO NEXT ELECTRICAL JUNCTION BOX.
- 7 REMOVE EXISTING SURFACE-MOUNTED DUPLEX RECEPTACLE AT CEILING HEIGHT FOR AUTOMATIC DOOR ACTUATOR. SAFE-OFF CONDUCTORS AND PREPARE FOR EXTENSION AND RECONNECTION UNDER THE SCOPE OF PROPOSED WORK.
- 8 REMOVE EXISTING PHONE JACK. INSTALL BLANK PLATE OVER EXISTING RECESSED ELECTRICAL/DATA BOX.
- 9 REMOVE EXISTING AUTOMATIC DOOR ACTUATOR PUSH-BUTTON. TERMINATE CONDUCTORS WITHIN THE RECESSED ELECTRICAL BOX AND INSTALL A BLANK COVER PLATE.
- 10 EXISTING LIGHT SWITCHES TO REMAIN
- 11 EXISTING FIRE ALARM HORN/STROBE ASSEMBLY TO REMAIN
- 12 EXISTING FIRE ALARM PULL STATION TO REMAIN
- 13 EXISTING AUTOMATIC DOOR ACTUATOR PUSH BUTTON TO REMAIN
- 14 EXISTING EXIT SIGNS TO REMAIN
- 15 EXISTING SMOKE DETECTOR TO REMAIN
- 16 EXISTING LIGHT SWITCHES AND HOOP EXHAUST FAN SWITCH TO REMAIN IN THEIR CURRENT LOCATION. REMOVE EXISTING TOGGLE SWITCHES AND INSTALL NEW TOGGLE SWITCHES (COLOR SELECTION BY OWNER)
- 17 EXISTING KEY-OPERATED SWITCH WITH PILOT LIGHT TO REMAIN
- 18 EXISTING DUPLEX RECEPTACLE FOR REFRIGERATOR TO REMAIN
- 19 EXISTING DUPLEX RECEPTACLE FOR MICROWAVE OVEN TO BE REMOVED. SAFE-OFF EXISTING CONDUCTORS AND PREPARE FOR EXTENSION AND RECONNECTION FOR NEW MICROWAVE OVEN UNDER THE SCOPE OF THE PROPOSED WORK.
- 20 EXISTING DUPLEX RECEPTACLES AT COUNTER-HEIGHT TO REMAIN IN THEIR EXISTING LOCATIONS. REMOVE EXISTING RECEPTACLE AND PREPARE FOR THE INSTALLATION OF NEW GFI DUPLEX RECEPTACLES (COLOR SELECTED BY OWNER) UNDER THE SCOPE OF THE PROPOSED WORK.
- 21 REMOVE EXISTING ELECTRICAL CONNECTION FOR DISHWASHER. SAFE-OFF CONDUCTORS AND PREPARE FOR RECONNECTION TO NEW DISHWASHER UNDER THE SCOPE OF THE PROPOSED WORK.
- 22 REMOVE EXISTING ELECTRICAL CONNECTION FOR ELECTRIC RANGE. SAFE-OFF CONDUCTORS AND PREPARE FOR RECONNECTION TO NEW ELECTRIC RANGE UNDER THE SCOPE OF THE PROPOSED WORK.
- 23 REMOVE EXISTING WALL-MOUNTED LIGHT FIXTURES. SAFE-OFF EXISTING CONDUCTORS AND PREPARE FOR EXTENSION AND RECONNECTION TO NEW CEILING-MOUNTED LIGHT FIXTURES TO BE INSTALLED UNDER THE SCOPE OF THE PROPOSED WORK.
- 24 REMOVE EXISTING DATA/PHONE JACKS AND CABLE BACK TO NETWORK HUB. REMOVE RECESSED ELECTRICAL BOX.
- 25 REMOVE EXISTING DUPLEX RECEPTACLES. REMOVE ELECTRICAL CONDUCTORS BACK TO NEXT DEVICE ON THE CIRCUIT. RECONNECT CONDUCTORS TO MAINTAIN THE CONTINUITY OF THE CIRCUIT.
- 26 TEMPORARILY DE-ENERGIZE AND DISCONNECT 208V, 1-PHASE, 15A CIRCUIT TO AHU-6 PENDING EXTENSION AND RECONNECTION TO NEW AHU-6 DURING PROPOSED WORK.
- 27 REMOVE JUNCTION BOX FOR ROOF-MOUNTED LIGHT FIXTURE (MOUNTED TO ACCU-6) AND PERMANENTLY RELOCATE TO NEW UNI-STRUT SUPPORT FRAMEWORK. TEMPORARILY DE-ENERGIZE AND DISCONNECT 208V, 1-PHASE, 20 AMP CIRCUIT TO ACCU-6 PENDING EXTENSION AND RECONNECTION TO NEW ACCU-6 UNDER THE SCOPE OF THE PROPOSED WORK.

1 ELECTRICAL DEMOLITION WORK PLAN
E-1 SCALE: 1/4" = 1'-0"



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PROPOSED RENOVATIONS TO
**STOCKTON UNIVERSITY
TOWNSEND RESIDENTIAL
LIFE CENTER**
101 VERA KING FARRIS DR.
ATLANTIC COUNTY, NEW JERSEY

Project
Issued for Bid
March 12, 2021

Revisions	By	Date

Sheet Title ELECTRICAL DEMOLITION WORK PLAN	
Drawn By	15
Chk'd By	OF 21

Sheet No.
E-1

Project No.
YC20122



1 ELECTRICAL PROPOSED WORK PLAN
E-2 SCALE: 1/4" = 1'-0"

- PROPOSED WORK NOTES**
1. INSTALL NEW LIGHTING FIXTURE. EXTEND AND CONNECT POWER CIRCUIT CONDUCTORS REMAINING FROM REMOVAL OF EXISTING LIGHT FIXTURE (UNDER THE SCOPE OF THE DEMOLITION WORK). INSTALL NEW LIGHT SWITCH AND SWITCH LEG CONDUCTORS. INSTALL NEW DUAL TECHNOLOGY OCCUPANCY SENSOR AS SHOWN.
 2. INSTALL NEW SMOKE DETECTOR. EXTEND AND CONNECT FIRE ALARM CIRCUIT WIRING TO NEAREST SIGNALING LINE CIRCUIT. REPROGRAM EXISTING FIRE ALARM SYSTEM FOR THE NEW DEVICE INSTALLED.
 3. INSTALL NEW RECEPTACLE CIRCUIT AS SHOWN (2)#12&(1)#12G - TYPE MC CABLE. INSTALL NEW 20AMP, SINGLE POLE CIRCUIT BREAKER IN PANEL M-C1.
 4. INSTALL NEW GFCI DUPLEX RECEPTACLE (COLOR SELECTION BY OWNER). RECONNECT TO EXISTING POWER CIRCUIT.
 5. PROVIDE NEW ELECTRICAL SERVICE FOR DISHWASHER. EXTEND AND CONNECT EXISTING POWER CIRCUIT CONDUCTORS REMAINING FROM REMOVAL OF EXISTING DISHWASHER UNDER SCOPE OF DEMOLITION WORK.
 6. PROVIDE NEW ELECTRICAL SERVICE FOR ELECTRIC RANGE. EXTEND AND CONNECT EXISTING POWER CIRCUIT CONDUCTORS REMAINING FROM REMOVAL OF EXISTING RANGE UNDER THE SCOPE OF THE DEMOLITION WORK.
 7. INSTALL NEW RECESSED LIGHT FIXTURE. EXTEND AND RECONNECT EXISTING POWER CIRCUIT CONDUCTORS TO NEW LIGHT FIXTURE. INTEGRATE SWITCHING OF NEW LIGHT FIXTURE WITH THE SWITCHING OF THE EXISTING, EXTERIOR LIGHT FIXTURES.
 8. INSTALL NEW DUPLEX RECEPTACLE FOR AUTOMATIC DOOR ACTUATOR. EXTEND AND RECONNECT EXISTING POWER CIRCUIT.
 9. EXTEND AND RECONNECT EXISTING POWER CIRCUIT FOR THE NEW HYDRONIC CABINET UNIT HEATER. INSTALL NEW SAFETY DISCONNECT SWITCH. INSTALL NEW PILOT DUTY RELAY AND 24V CONTROL TRANSFORMER (PROVIDED BY MECHANICAL CONTRACTOR).
 10. PROVIDE NEW 100VA, 208V PRI/24V SEC CONTROL TRANSFORMER (WITH SEC CIRCUIT BREAKER) FOR AHU-6. PROVIDE NEW SAFETY DISCONNECT SWITCH FOR AHU-6. EXTEND AND RECONNECT EXISTING 208V, 1-PHASE, 15AMP POWER CIRCUIT TO AHU-6.
 11. PROVIDE ROOF-MOUNTED UNI-STRUT FRAME FOR MOUNTING EQUIPMENT DISCONNECT SWITCH AND JUNCTION BOXES. DO NOT MOUNT ANY EQUIPMENT ON THE HOUSING OF THE NEW ACCU-6. PROVIDE WEATHERPROOF EXTERIOR JUNCTION BOX AND EXTEND AND RECONNECT CIRCUIT FOR ROOF-MOUNTED LIGHT FIXTURE. PROVIDE NEW EXTERIOR, WEATHERPROOF DISCONNECT SWITCH FOR ACCU-6 (2-POLE, 30AMP, WITH 20AMP FUSES). EXTEND AND RECONNECT EXISTING 208V, 1-PHASE, 20AMP POWER CIRCUIT FOR ACCU-6.
 12. PROVIDE JUNCTION BOX WITH 120 VOLT, SINGLE PHASE, 20 AMP CIRCUIT FOR AUTOMATIC DOOR ACTUATOR. (2) #12 & (1) #12 G - TYPE MC CABLE. INSTALL NEW 20 AMP SINGLE POLE CIRCUIT BREAKER IN PANEL M-C1. CIRCUIT TOGETHER WITH OTHER AUTOMATIC DOOR ACTUATORS. EXTEND CIRCUIT AND CONNECT TO DOOR ACTUATOR.



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Sheet Title	ELECTRICAL PROPOSED WORK PLANS
Drawn By	l6
Chk'd By	OF
Sheet No.	E-2

Project No. YC20122

PLUMBING NOTES

1. WORK IN THIS SECTION INCLUDES THE PROVIDING OF LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY FOR COMPLETE AND SAFE INSTALLATION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND AUTHORITIES HAVING JURISDICTION.

2. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS. MAINTAIN HEADROOM AND SPACE CONDITIONS.

3. SCALED AND FIGURED DIMENSIONS ARE APPROXIMATE AND ARE FOR ESTIMATING PURPOSES ONLY. BEFORE PROCEEDING WITH WORK, CHECK AND VERIFY ALL DIMENSIONS.

4. MAKE ADJUSTMENTS THAT MAY BE NECESSARY OR REQUIRED IN ORDER TO RESOLVE SPACE PROBLEMS.

5. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NEW JERSEY UNIFORM CONSTRUCTION CODE AND ADOPTED (AS AMENDED) SUB CODES STANDARDS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- INTERNATIONAL BUILDING CODE NEW JERSEY EDITION / 2018;
- NAPHCC NATIONAL STANDARD PLUMBING CODE / 2018;
- NFPA 70 NATIONAL ELECTRIC CODE / 2017;
- ASHRAE 90.1-2016 ENERGY CODE
- INTERNATIONAL MECHANICAL CODE / 2018;
- INTERNATIONAL FUEL GAS CODE / 2018;

6. FURNISH ALL MATERIALS AND EQUIPMENT NEW, FREE FROM DEFECTS AND WITH MANUFACTURER'S WARRANTY.

7. ALL MATERIAL AND EQUIPMENT SHALL BE THE PRODUCT OF COMPANIES REGULARLY ENGAGED IN MANUFACTURING.

8. BEFORE SUBMITTING PROPOSAL THE CONTRACTOR SHALL VISIT AND CAREFULLY EXAMINE THOSE PORTIONS OF THE SITE AFFECTED BY THIS WORK SO AS TO FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND THE DIFFICULTIES ASSOCIATED WITH THE EXECUTION OF THE WORK. THESE DIFFICULTIES INCLUDE AVAILABILITY OF THE EQUIPMENT AND MATERIALS. REPORT IN WRITING ANY CONDITIONS WHICH MIGHT ADVERSELY AFFECT THEIR WORK.

9. NO CONSIDERATION OR ADDITIONAL PAYMENTS WILL BE GRANTED FOR ANY ALLEGED MISUNDERSTANDING OF THE MATERIALS TO BE FURNISHED OR WORK TO BE DONE, IT BEING UNDERSTOOD THAT THE SUBMISSION OF A PROPOSAL IS AN AGREEMENT TO ALL CONDITIONS REFERRED TO HEREIN OR INDICATED ON THE PLANS.

10. COORDINATE WITH OWNER AND GENERAL CONTRACTOR SCHEDULING OF ALL WORK SUCH THAT ANY REQUIRED OVERTIME IS INCLUDED AT NO ADDITIONAL COST.

11. PROVIDE THREE SETS OF OPERATION AND MAINTENANCE MANUALS COVERING ALL INSTALLED EQUIPMENT ITEMS TO THE OWNER. THE O&M MANUALS SHALL ALSO INCLUDE AS-BUILT DRAWINGS AND TESTING DATA.

12. THE CONTRACTOR SHALL LABEL ALL PIPING AND EQUIPMENT.

13. AS A PART OF THIS CONTRACT, ALL WORK AND EQUIPMENT FURNISHED AND INSTALLED SHALL BE COVERED UNDER A FULL ONE YEAR GUARANTEE. THE WARRANTY SHALL COMMENCE ON THE DATE OF THE OWNER'S FINAL ACCEPTANCE.

14. IT IS NOT INTENDED THAT THE PLANS OR SPECIFICATIONS SHOW OR STATE EVERY DETAILED REQUIREMENT OF THE WORK, BUT RATHER THAT THEY FURNISH ADEQUATE INFORMATION FOR THE CONTRACTOR TO MAKE COMPLETELY APPROVED INSTALLATION.

15. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING, WITHOUT ADDITIONAL CHARGE, ANY EXISTING WORK DAMAGED BY HIM DURING THE COURSE OF THIS CONSTRUCTION.

16. CONTRACTOR SHALL LEAVE ALL SYSTEMS IN PROPER WORKING ORDER AND SHALL, WITHOUT ADDITIONAL CHARGE, REPLACE ANY WORK, MATERIALS, OR EQUIPMENT FURNISHED AND INSTALLED BY HIM UNDER HIS CONTRACT WHICH DEVELOPS DEFECTS, EXCEPT FROM ORDINARY WEAR AND TEAR, WITHIN ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER.

17. THE CONTRACTOR SHALL DETERMINE THE TYPE, SIZE AND QUANTITY OF SEISMIC PROTECTION DEVICES, HANGERS AND BRACING NECESSARY TO MEET THE CODE REQUIRED SEISMIC REQUIREMENTS FOR ALL MECHANICAL, ELECTRICAL AND PLUMBING SYSTEM/COMPONENTS. WHERE MORE THAN ONE REGULATION APPLIES, THE STRICTER ONE SHALL GOVERN.

18. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL MAJOR MANUFACTURED ITEMS REQUIRED ON THIS PROJECT. A MINIMUM OF (6) COPIES SHALL BE SUBMITTED. PURCHASE OR INSTALLATION OF EQUIPMENT OR SYSTEM COMPONENTS PRIOR TO APPROVAL OF SHOP DRAWINGS IS FORBIDDEN. APPROVAL OF SHOP OR SETTING DRAWINGS SHALL ONLY BE CONSTRUED TO APPLY TO GENERAL LAYOUT AND CONFORMANCE TO THE DESIGN CONCEPT OF THE PROJECT AND FOR COMPLIANCE WITH THE GENERAL REQUIREMENTS OF THE CONTRACT DOCUMENTS. THE RESPONSIBILITY FOR ANY DEVIATION FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS SHALL REMAIN THE CONTRACTOR'S UNLESS HE HAS, IN WRITING, SPECIFICALLY CALLED ATTENTION TO SUCH DEVIATIONS AT THE TIME OF SUBMISSION AND HAS RECEIVED WRITTEN APPROVAL OF SUCH DEVIATIONS FROM THE OWNER.

19. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS.

20. CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS STEEL SHAPES, HANGER RODS, STRAPS, ETC. REQUIRED FOR ALL SYSTEM INSTALLATIONS. PROVIDE ALL SEISMIC RESTRAINTS AS REQUIRED BY THE INTERNATIONAL BUILDING CODE.

21. PROVIDE ALL CUTTING AND PATCHING AS REQUIRED. COORDINATE THIS WORK WITH THE GENERAL CONTRACTOR.

22. SEAL ALL EXTERIOR WALL PENETRATIONS WEATHER TIGHT. PROVIDE FIRE RATED SLEEVES AT ALL FIRE WALL PENETRATIONS AND SEAL AROUND ALL PIPE WITH FIRE STOP SEALANT. COORDINATE PENETRATIONS AND FIRE STOPPING WITH THE GENERAL CONTRACTOR AND/OR CONSTRUCTION MANAGER.

23. AT THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE TO THE OWNER COMPLETE AND ACCURATE "AS CONSTRUCTED DOCUMENTATION" FOR ALL SYSTEMS INSTALLED OR ALTERED UNDER THIS CONTRACT.

24. CONTRACTOR SHALL BE RESPONSIBLE TO APPLY FOR AND PROCURE ALL REQUIRED PERMITS, CERTIFICATES AND AGENCY APPROVALS. ALL DOCUMENTS REQUIRED IN ADDITION TO THE CONTRACT DOCUMENTS SHALL BE PROVIDED BY THE CONTRACTOR. PROVIDE COPIES OF ALL REQUIRED CERTIFICATIONS AND APPROVALS TO THE OWNER.

25. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE AND PROFESSIONAL MANNER CONSISTENT WITH ALL APPLICABLE INDUSTRY STANDARDS. SYSTEM INSTALLATIONS SHALL CONFORM WITH ALL APPLICABLE INDUSTRY STANDARDS.

26. CONTRACTOR SHALL MAKE TESTS AT HIS OWN EXPENSE, AS REQUIRED BY OWNER AND/OR ANY INSPECTION DEPARTMENT. TEST SHALL BE MADE TO VERIFY WHETHER THE SYSTEM AND EQUIPMENT INSTALLED COMPLY WITH THE SPECIFICATIONS AND ARE IN PROPER WORKING ORDER.

27. ALL PIPING SHALL BE PROTECTED FROM FREEZING.

28. THE CONTRACTOR SHALL PROVIDE PRESSURE REDUCING VALVES AS REQUIRED PER THE 2006 NATIONAL STANDARD PLUMBING CODE.

29. THE COLOR OF ALL PLUMBING FIXTURES SHALL BE SELECTED BY THE ARCHITECT.

30. THIS CONTRACTOR SHALL PROVIDE AND INSTALL ALL GAS PIPING.

31. ALL HOT AND COLD WATER PIPING SHALL BE TYPE "L" HARD DRAWN COPPER. (CUL)

32. ALL EXPOSED COLD AND HOT WATER PIPING AND WASTE PIPING INCLUDING THE "P" TRAP LOCATED UNDER HANDICAPPED LAVATORIES SHALL BE INSULATED WITH TRUEBRO "HANDI-GUARD" PIPE INSULATION KIT MODEL 102.

33. ALL CEILING HEIGHTS TO BE MAINTAINED (NO EXCEPTIONS). REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS.

34. ALL PLUMBING COMPONENTS, SYSTEMS AND THEIR ATTACHMENTS SHALL BE INSTALLED AND CONSTRUCTED TO RESIST THE ULTIMATE STRENGTH LOADS AND STORY DRIFT EFFECTS OF EARTHQUAKE MOTION IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE 2018.

PLUMBING FIXTURE SCHEDULE

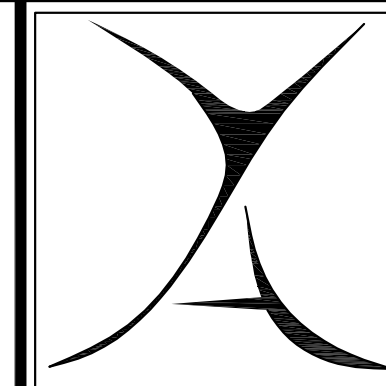
MARK	WC	LAV	DF	UR	FD	WCO	WHA	KS
TYPE	WATER CLOSET	LAVATORY	DRINKING FOUNTAIN	URINAL	FLOOR DRAIN	WALL CLEANOUT	WATER HAMMER ARRESTER	SINK
MANUFACTURER	AMERICAN STANDARD	AMERICAN STANDARD	ELKAY	AMERICAN STANDARD	ZURN	ZURN	ZURN WILKENS	ELKAY
MODEL NUMBER	2257.101	9482.00	EMABFT8WSLK	6590.001	Z415S	Z1445-NH	1260XL	LR1919
WASTE SIZE (IN.)	4	1-1/2	1-1/2	2	3	-	-	1-1/2
VENT SIZE (IN.)	2	1-1/4	1-1/4	1-1/2	1-1/2	-	-	1-1/4
COLD WATER SIZE (IN.)	1	1/2	1/2	3/4	-	-	-	1/2
HOT WATER SIZE (IN.)	-	1/2	-	-	-	-	-	1/2
DRAINAGE FIXTURE UNIT (DFU)	4	1	-	4	-	-	-	2
SUPPLY FIXTURE UNIT (WSFU)	5.0	1	-	4	-	-	-	1.5
ACCESSORIES AND REMARKS	FLOOR-MOUNTED, ADA HEIGHT ELONGATED, TOP SPUD. PROVIDE BEMIS #1055 SEAT AND SLOAN FLUSH VALVE #111-1.28 ES-5.1.28 GAL/FLUSH/SWEAT SOLDER KIT.CAST WALL FLANGED, BUMPER ON ANGLE STOP.	PROVIDE SLOAN FAUCET ETF-600-B-BDT	BOTTLE FILLING STATION WITH BI-LEVEL ADA COOLER	TOP SPUD, 0.5 GPF. PROVIDE SLOAN FLUSH VALVE #186-0.5 ESS	ROUND TOP FLOOR DRAIN WITH ADJUSTABLE STRAINER HEAD, NICKEL BRONZE TOP.	PROVIDE ZURN Z51468-VP ACCESS COVER AND PLUG.	INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	STAINLESS STEEL, COUNTER-MOUNT SINK. PROVIDE ZURN MODEL ZB31C4-XL WITH SWING GOOSENECK SPOUTM WRIST BALDE HANDLES AND OFFSET (ADA COMPLIANT) GRID DRAIN.

PLUMBING SYMBOL LIST

	COLD WATER PIPING
	HEAT TRACE DOMESTIC WATER PIPING
	HOT WATER PIPING
	HOT WATER RETURN PIPING
	EXISTING SANITARY SEWER & WASTE PIPING BELOW GRADE
	NATURAL GAS PIPING
	VENT PIPING
	SANITARY LINE ABOVE GRADE/FLOOR
	SANITARY LINE BELOW GRADE/FLOOR
	RAIN WATER/STORM PIPING BELOW GRADE/FLOOR
	RAIN WATER/STORM PIPING ABOVE GRADE/FLOOR
	CONTINUATION
	PIPE DOWN
	PIPE UP
	PIPE CAPPED
	PIPE, TOP CONNECTION
	PIPE, BOTTOM CONNECTION
	BALL VALVE
	CHECK VALVE
	GATE VALVE
	TWO WAY CONTROL VALVE
	DIRECTION OF FLOW
	PLUG VALVE
	SANITARY TRAP
	FLOOR DRAIN (AS SPECIFIED)
	CLEAN OUT
	CLEAN OUT
	HOSE BIBB, WALL HYDRANT (AS SPECIFIED)
	RAIN WATER LEADER NUMBER
	VENT STACK NUMBER
	SAN STACK NUMBER
	SHOCK ABSORBER
	TEMPERATURE MIXING VALVE
	NEW TO EXISTING
	POINT OF DEMOLITION OF EXISTING

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	IW	INDIRECT WASTE
BF	BELOW FINISHED FLOOR	INV.EL. (I.E.)	INVERT ELEVATION
BFP	BACK FLOW PREVENTER	LAV	LAVATORY
BTU	BRITISH THERMAL UNIT	LDR	LEADER
CFH	CUBIC FEET PER HOUR	LB	POUND
CI	CAST IRON	MP	MOP RECEPTOR
CO	CLEANOUT	MBH	BTU PER HOUR (THOUSAND)
COODP	CLEANOUT DECK PLATE	N.C.	NORMALLY CLOSED
CS	CARBON STEEL	OLDR.	OVERFLOW LEADER
CU	COPPER	ORD.	OVERFLOW ROOF DRAIN
CW	COLD WATER	PIV	POST INDICATOR VALVE
DFU	DRAINAGE FIXTURE UNIT	PSI	POUNDS PER SQUARE INCH
DIA.	DIAMETER	PVC	POLYVINYL CHLORIDE
DN	DOWN	RD	ROOF DRAIN
DF	DRINKING FOUNTAIN	SF	SQUARE FEET
EDR	EMERGENCY ROOF DRAIN	SK	SINK
EWC	ELECTRIC WATER COOLER	S	SANITARY
EWH	ELECTRIC WATER HEATER	SH	SHOWER
FD	FLOOR DRAIN	TMV	THERMOSTATIC MIXING VALVE
FM	FACTORY MUTUAL	TW	TEMPERED WATER
FFM	FEET PER MINUTE	TYP.	TYPICAL
FRS	FLOOR RIM SINK	V	VENT
GPM	GALLONS PER MINUTE	VTR	VENT THROUGH ROOF
G	NATURAL GAS	W	WASTE WATER
HB	HOSE BIBB	WH	WALL HYDRANT
HW	HOT WATER	WC	WATER CLOSET
HWR	HOT WATER RETURN	WCO	WALL CLEAN OUT
		WSFU	WATER SUPPLY FIXTURE UNIT



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COVERSHEET

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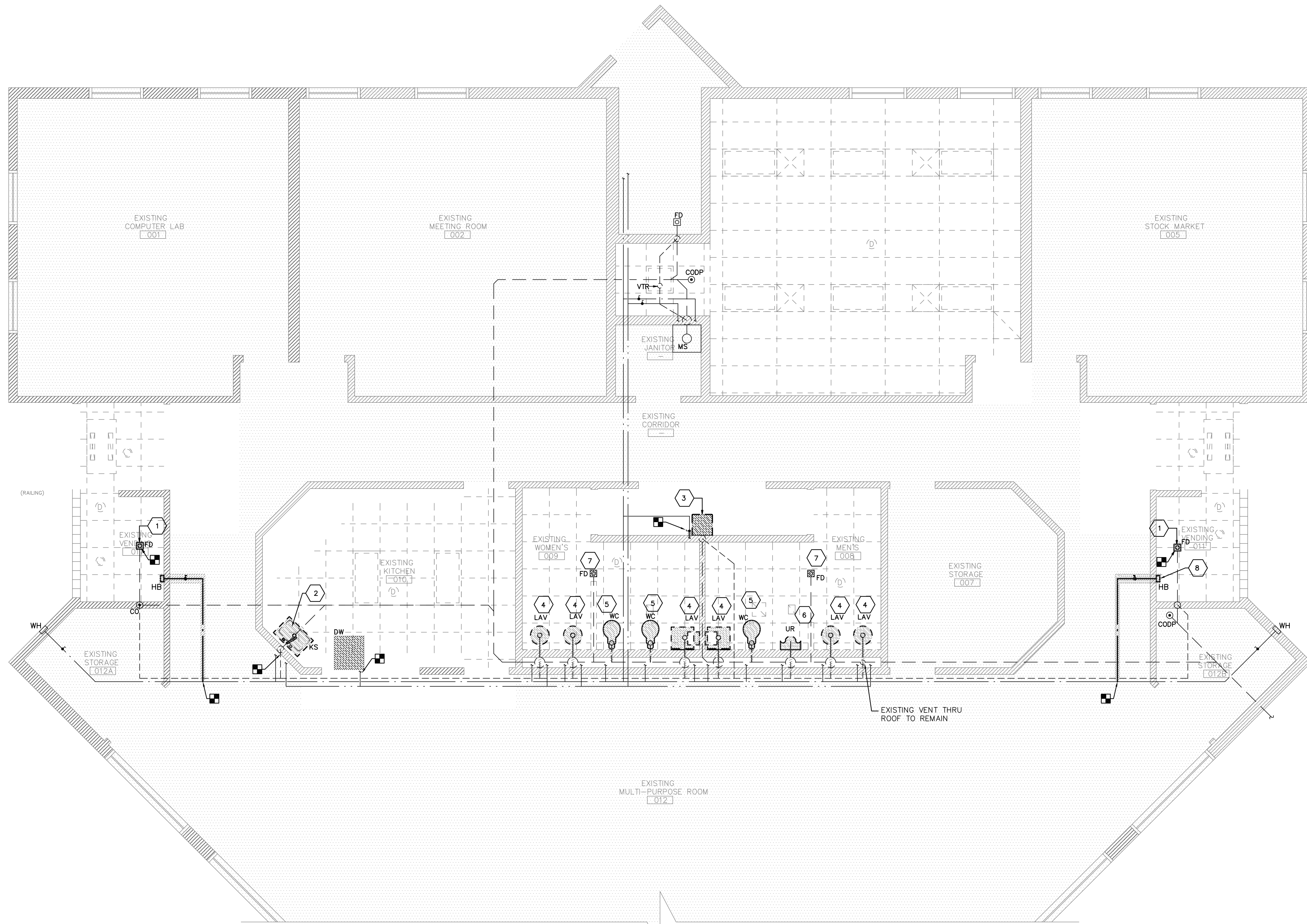
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21

Sheet No.

P-0

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- DEMOLITION WORK NOTES**
- 1 REMOVE EXISTING FLOOR DRAIN, INCLUDING TRAP. TEMPORARILY CAP PIPING, IN PREPARATION FOR THE INSTALLATION OF A NEW CLEAN-OUT UNDER THE SCOPE OF THE PROPOSED WORK.
 - 2 REMOVE KITCHEN SINK, FAUCET, DISHWASHER DRAIN LINE, AND PORTIONS OF SANITARY AND VENT PIPING SHOWN. TEMPORARILY CAP SANITARY AND VENT PIPING, IN PREPARATION FOR NEW CONNECTIONS UNDER THE SCOPE OF THE PROPOSED WORK. TEMPORARILY CAP DOMESTIC HOT AND COLD WATER PIPING IN PREPARATION FOR RECONNECTION UNDER THE SCOPE OF PROPOSED WORK.
 - 3 REMOVE EXISTING DRINKING FOUNTAIN. CAP EXISTING DRAIN AND VENT LINES IN PREPARATION FOR CONNECTION TO NEW DRINKING FOUNTAIN UNDER THE SCOPE OF THE PROPOSED WORK. TEMPORARILY CAP DOMESTIC COLD WATER PIPING IN PREPARATION FOR RECONNECTION UNDER THE SCOPE OF PROPOSED WORK.
 - 4 REMOVE EXISTING COUNTER-MOUNTED LAVATORY OR WALL MOUNTED LAVATORY AND FAUCET, INCLUDING PORTIONS OF SANITARY DRAIN AND VENT PIPING SHOWN. CAP VENT PIPING AT EXISTING VENT MANIFOLD. CAP UNDERFLOOR SANITARY LATERAL AT CONNECTION TO SANITARY MAIN. TEMPORARILY CAP DOMESTIC HOT AND COLD WATER PIPING IN PREPARATION FOR RECONNECTION UNDER THE SCOPE OF PROPOSED WORK.
 - 5 REMOVE EXISTING FLOOR-MOUNTED WATER CLOSET AND FLUSH VALVE, INCLUDING PORTIONS OF SANITARY PIPING SHOWN. CAP UNDERFLOOR SANITARY LATERAL AT CONNECTION TO SANITARY MAIN. TEMPORARILY CAP DOMESTIC COLD WATER PIPING IN PREPARATION FOR RECONNECTION UNDER THE SCOPE OF THE PROPOSED WORK.
 - 6 REMOVE EXISTING WALL MOUNTED URINAL AND FLUSH VALVE, INCLUDING PORTIONS OF SANITARY VENT PIPING SHOWN. CAP UNDERFLOOR SANITARY LATERAL AT CONNECTION TO SANITARY MAIN. TEMPORARILY CAP DOMESTIC COLD WATER PIPING IN PREPARATION FOR RECONNECTION UNDER THE SCOPE OF THE PROPOSED WORK.
 - 7 REMOVE EXISTING FLOOR DRAIN. TEMPORARILY CAP UNDERFLOOR SANITARY LATERAL IN PREPARATION FOR INSTALLATION OF NEW FLOOR DRAIN AND RECONNECTION UNDER THE SCOPE OF THE PROPOSED WORK.
 - 8 REMOVE EXISTING HOSE BIB AND EXISTING DOMESTIC COLD WATER PIPING BACK TO THE COLD WATER MAIN. PERMANENTLY CAP BRANCH PIPING.

1 PLUMBING DEMOLITION WORK PLAN
 P-1 SCALE: 1/4" = 1'-0"



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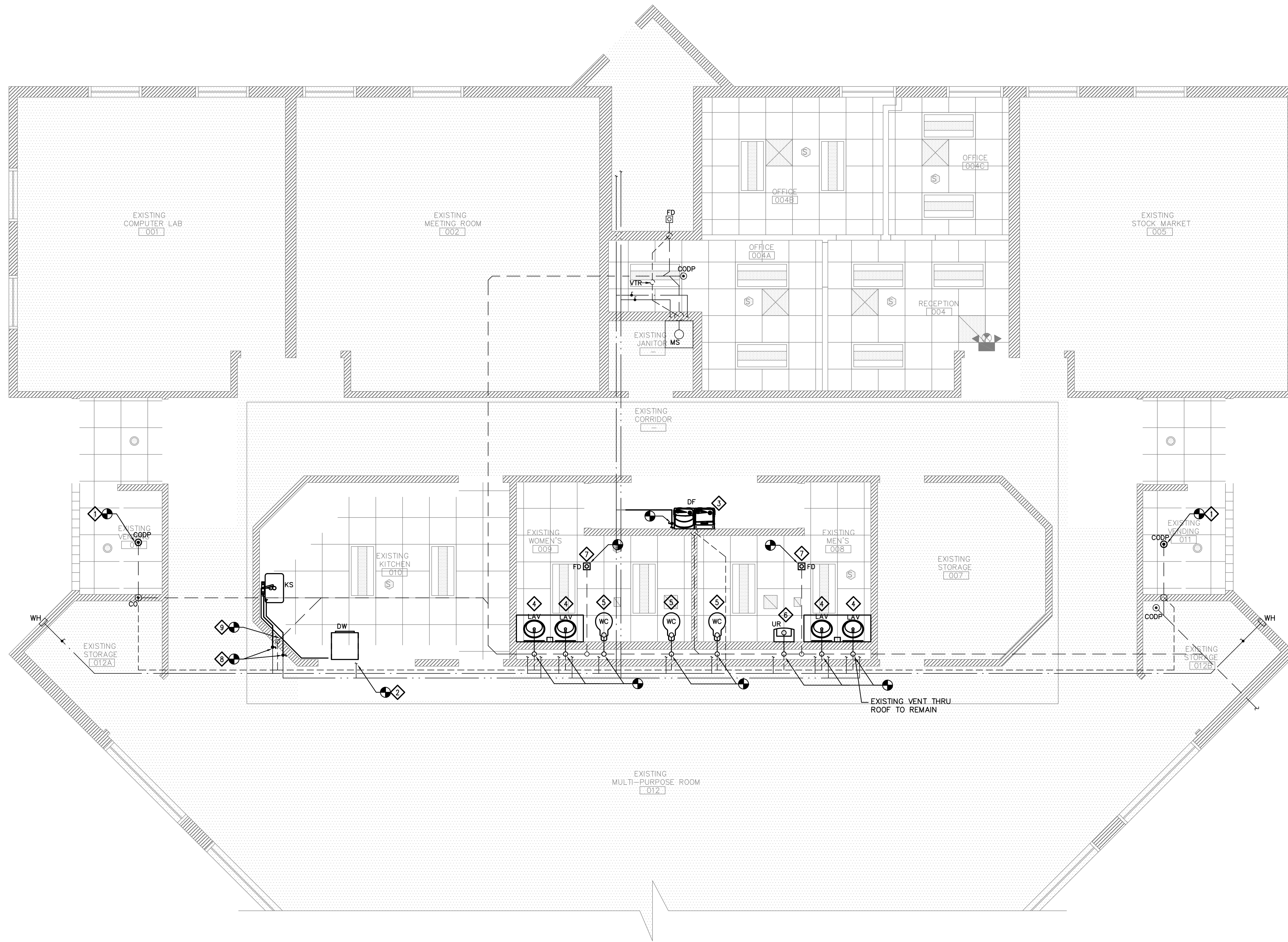
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 PLUMBING
 DEMOLITION WORK PLAN

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 OF
 21

Sheet No.
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- PROPOSED WORK NOTES**
- 1 INSTALL NEW CLEAN OUT DECK PLATE. EXTEND EXISTING UNDER-FLOOR SANITARY PIPING AND CONNECT TO NEW CLEAN-OUT
 - 2 EXTEND EXISTING 1/2" DOMESTIC HOT WATER LINE AND CONNECT TO NEW DISHWASHER. INSTALL NEW BALL VALVE FOR ISOLATION DUTY.
 - 3 INSTALL NEW DRINKING FOUNTAIN. EXTEND AND RECONNECT EXISTING 1/2" DOMESTIC COLD WATER LINE, 1-1/2" VENT LINE AND 2" DRAIN LINE.
 - 4 INSTALL NEW LAVATORY AND FAUCET. EXTEND AND RECONNECT EXISTING 1/2" DOMESTIC COLD AND HOT WATER LINE, 1-1/2" VENT LINE, AND 2" DRAIN LINE.
 - 5 INSTALL NEW FLOOR-MOUNTED WATER CLOSET AND FLUSH VALVE. EXTEND AND RECONNECT EXISTING 1" DOMESTIC COLD WATER LINE AND 4" UNDER FLOOR SANITARY LATERAL.
 - 6 INSTALL NEW WALL-MOUNTED URINAL. EXTEND AND RECONNECT EXISTING 3/4" DOMESTIC COLD WATER LINE AND 2" DRAIN LINE.
 - 7 INSTALL NEW FLOOR DRAIN. EXTEND AND RECONNECT 2" UNDER FLOOR SANITARY DRAIN LINE.
 - 8 EXTEND AND RECONNECT EXISTING 1/2" DOMESTIC HOT AND COLD WATER LINES TO NEW KITCHEN SINK.
 - 9 EXTEND AND RECONNECT EXISTING 1-1/2" VENT LINE AND 2" SANITARY DRAIN LINE TO NEW KITCHEN SINK

1 PLUMBING PROPOSED WORK PLAN
P-2 SCALE: 1/4" = 1'-0"



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PROPOSED RENOVATIONS TO
**STOCKTON UNIVERSITY
TOWNSEND RESIDENTIAL
LIFE CENTER**
101 VERA KING FARRIS DR.
ATLANTIC COUNTY
NEW JERSEY

Project

Issued for Bid
March 12, 2021

Revisions By Date

Sheet Title
PLUMBING
PROPOSED WORK PLANS

Drawn By
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Chk'd By
OF

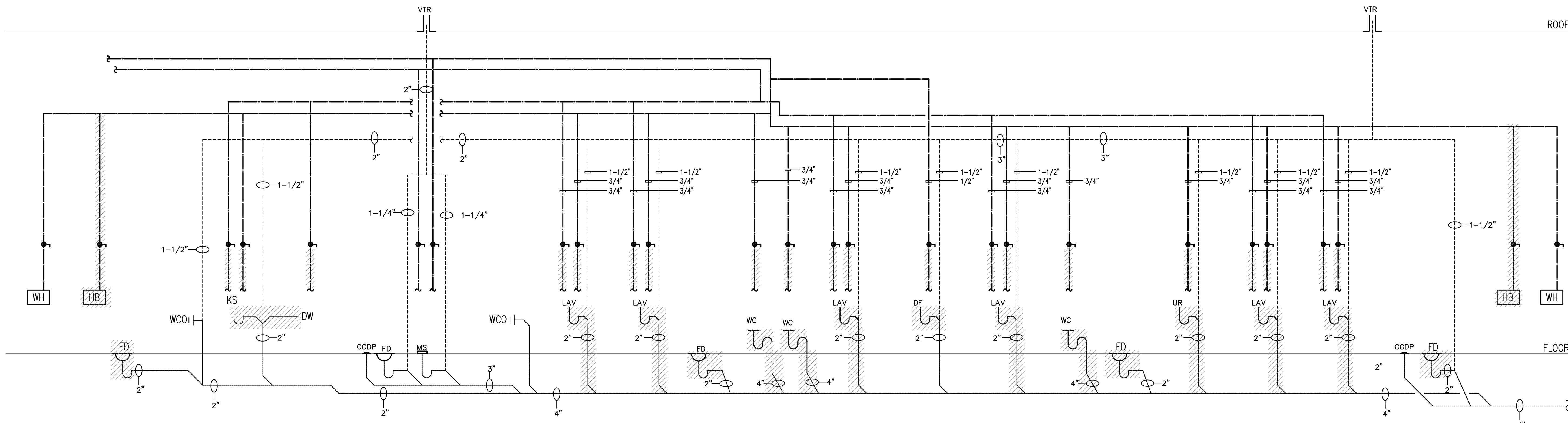
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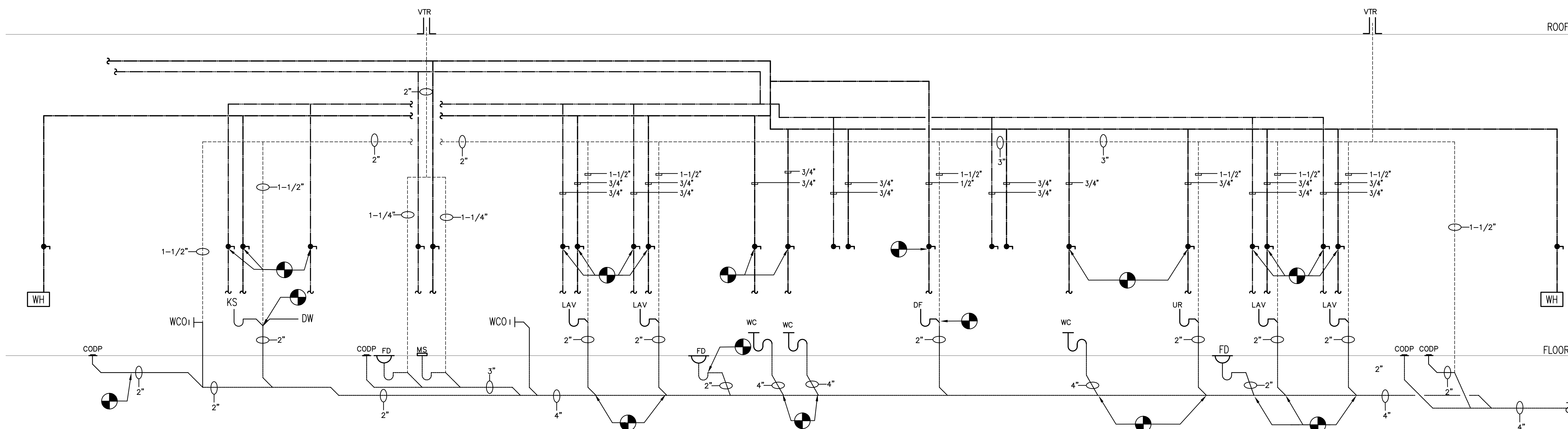
P-2

Project No.
YC20122

Do Not Scale Drawings - Field check all dimensions prior to start of construction.



1 DEMOLITION WORK
COMBINED PLUMBING RISER DIAGRAM
NO SCALE



2 PROPOSED WORK
COMBINED PLUMBING RISER DIAGRAM
NO SCALE



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Sheet Title
PLUMBING
COMBINATION
RISER DIAGRAMS

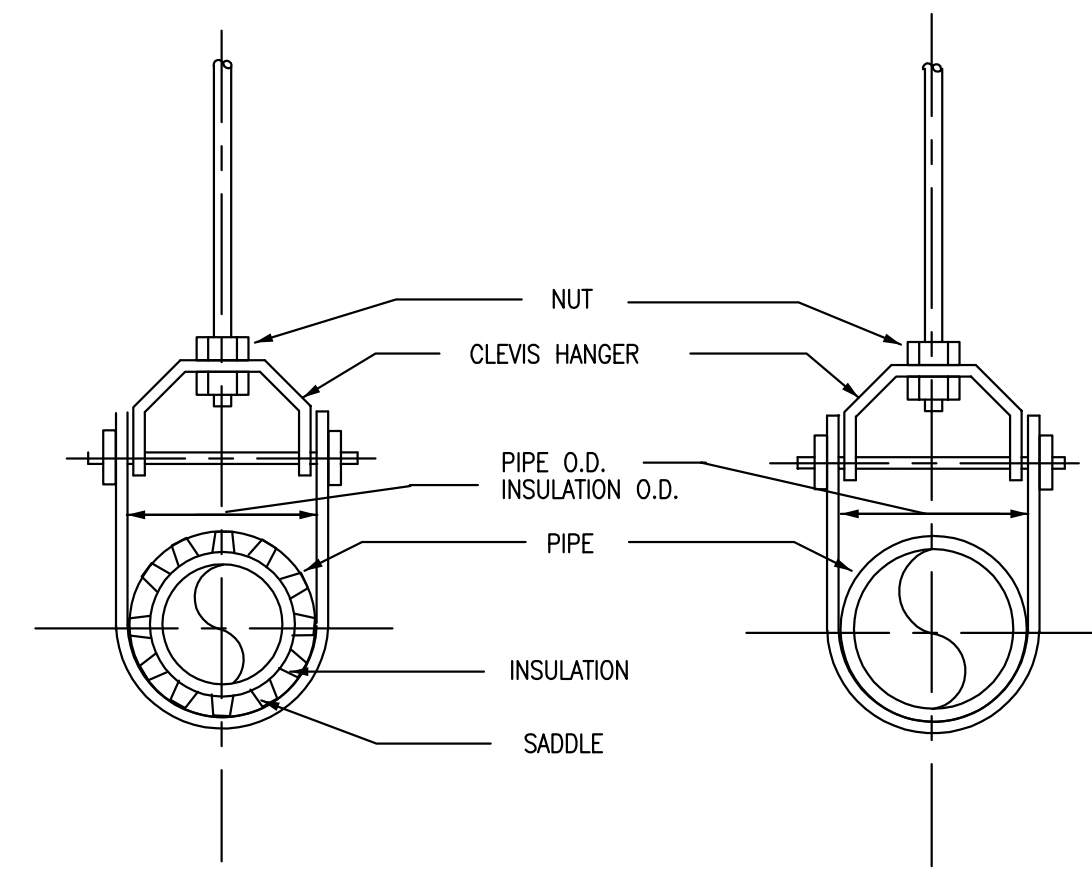
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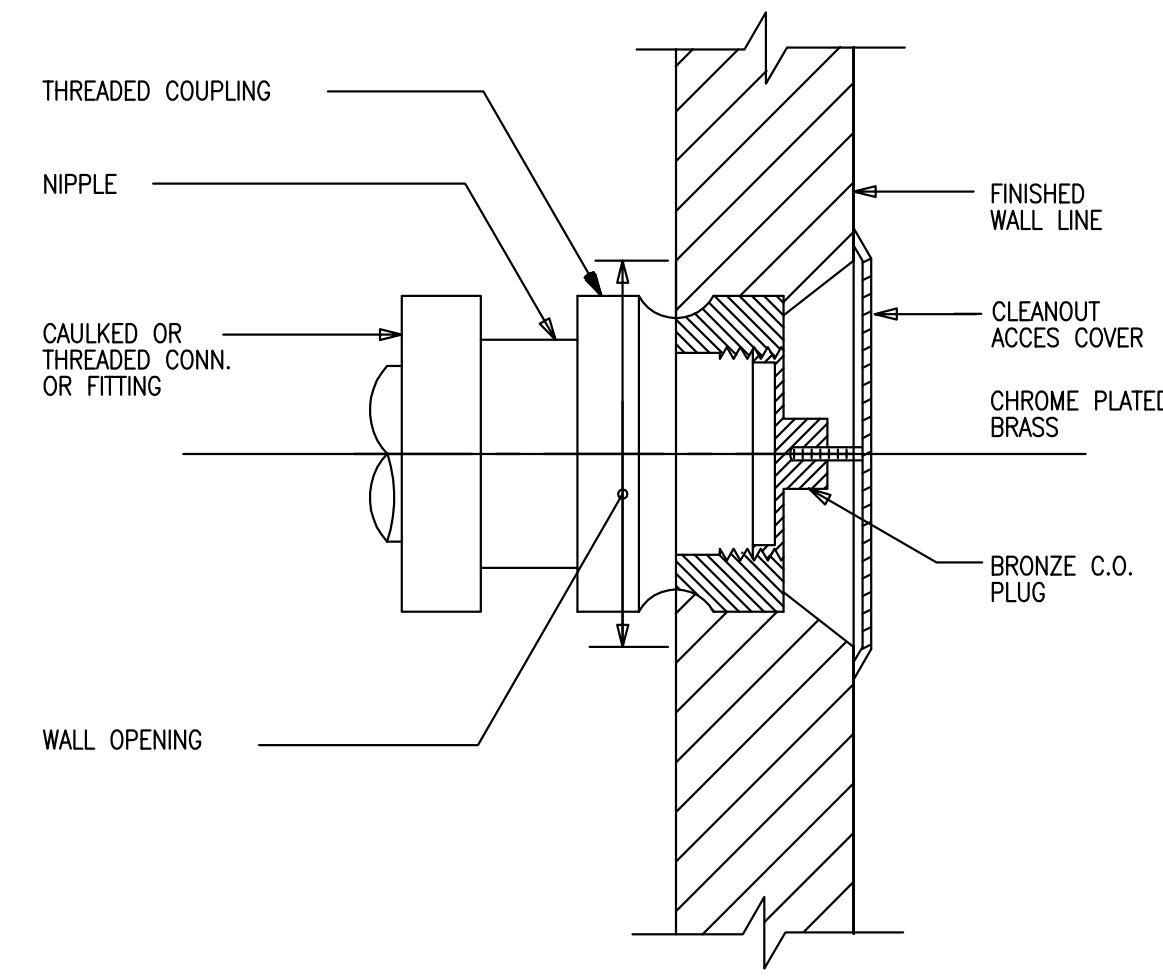
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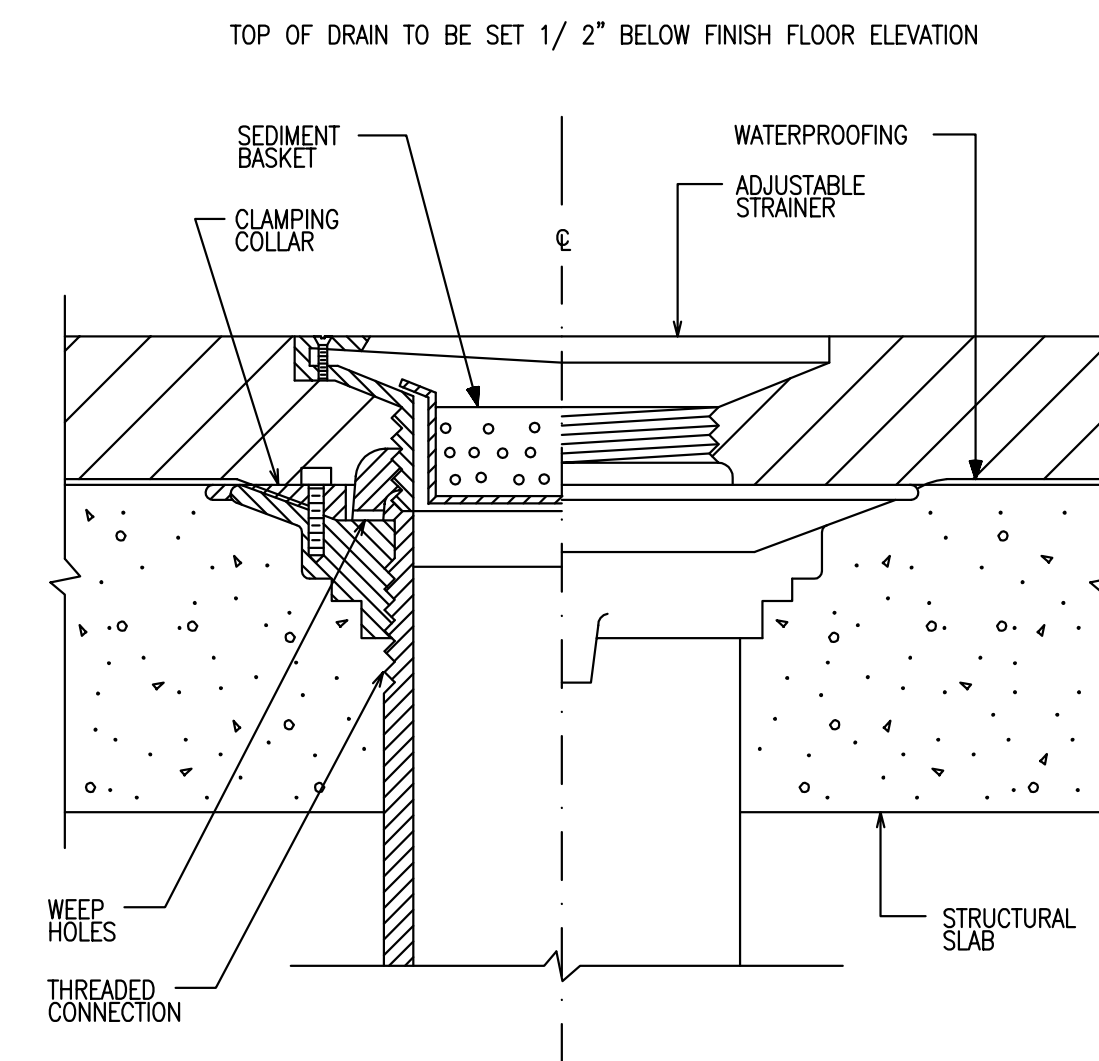


1 PIPE HANGER-CLEVIS TYPE
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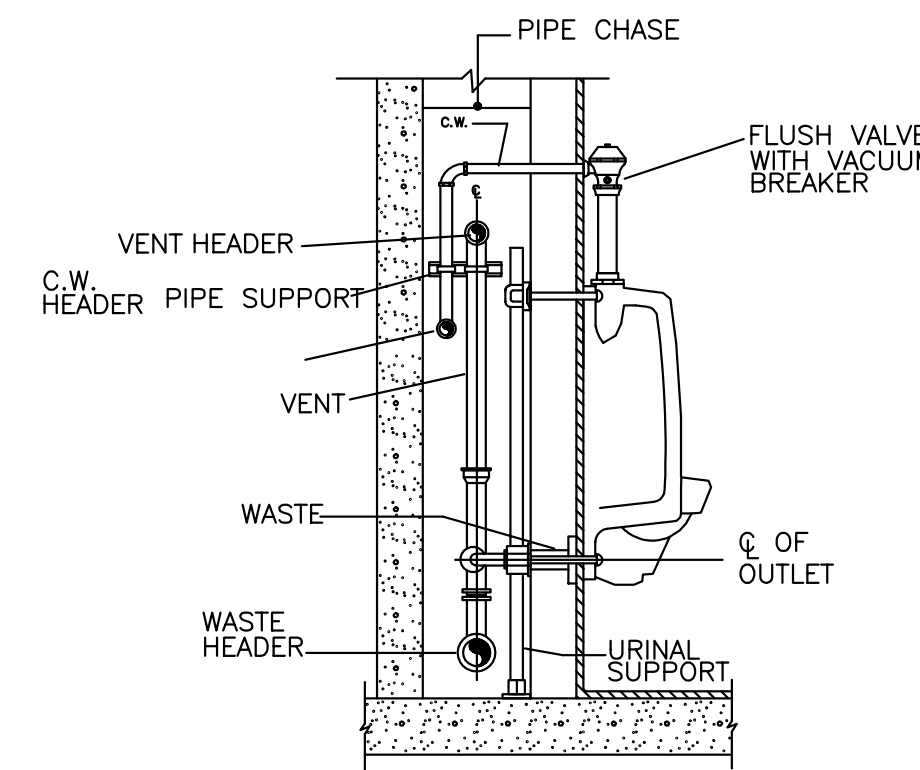


C.O. SIZE	WALL OPENING	ACCESS COVER
2" AND SMALLER	4" DIAM.	5" DIAM.
3" AND 4"	6" DIAM.	7" DIAM.

2 WALL CLEANOUT INSTALLATION
N.T.S.



3 FLOOR DRAIN WITH ADJUSTABLE STRAINER
N.T.S.



4 URINAL INSTALLATION
FLOOR MOUNTED SUPPORTS
N.T.S.



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PLUMBING
DETAIL SHEET

Drawn By	21
Chk'd By	OF 21

Sheet No.

P-4

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