

TOILET ROOM RENOVATIONS AT ELIZABETH HADDON ELEMENTARY SCHOOL

501 West Redman Avenue
Haddonfield, NJ 08033
Camden County

12-14-2022 ISSUED FOR BID
NJDOE #1900-080-22-1000

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T0.01	COVER SHEET
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A1.02	PLANS & INTERIOR ELEVATIONS - 1st FLOOR
A1.03	PLANS & INTERIOR ELEVATIONS - 1st FLOOR
A1.04	PLANS & INTERIOR ELEVATIONS - 1st FLOOR
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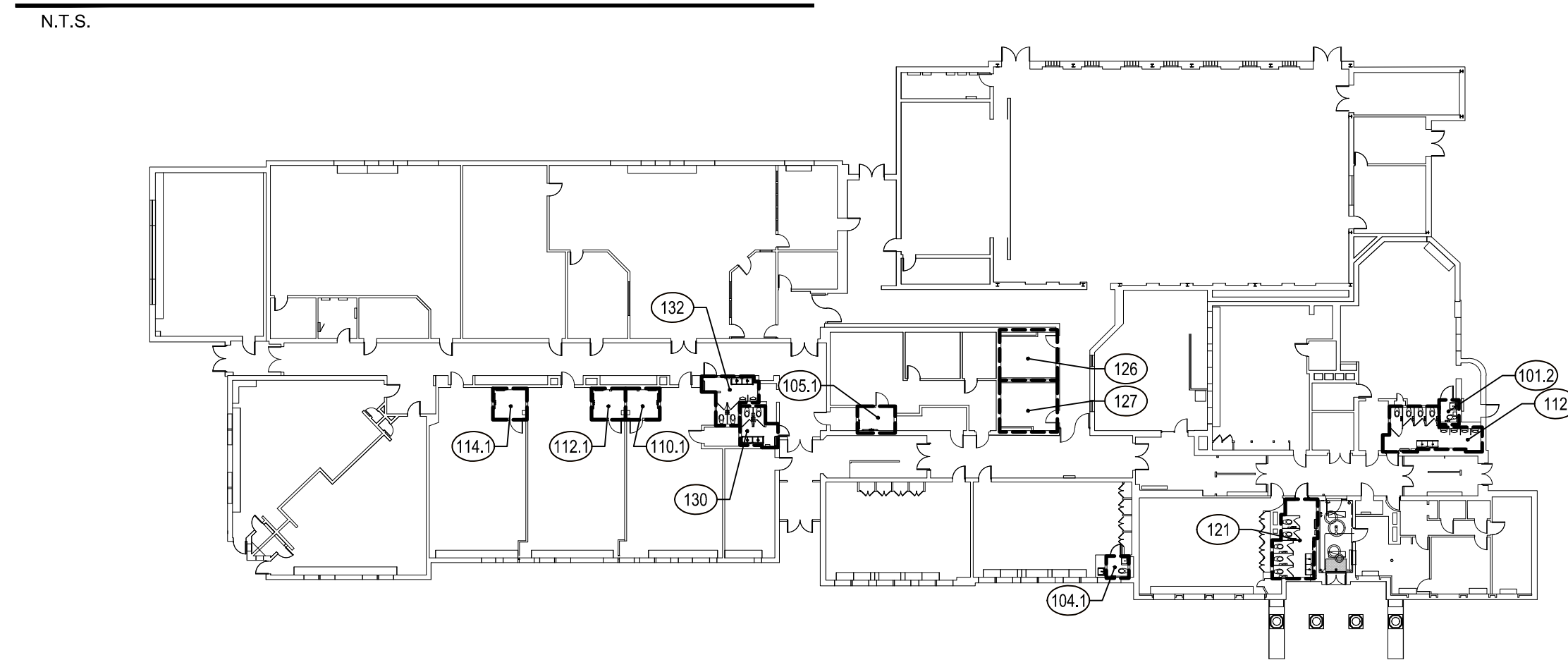
Abbreviations

A.F.F.	ABOVE FINISHED FLOOR
ALUM.	ALUMINUM
BLDG.	BUILDING
CLG.	CEILING
C.	CENTER LINE
COL.	COLUMN
CONC.	CONCRETE
CONT'D	CONTINUED
E.S.	ELEMENTARY SCHOOL
EQ.	EQUAL
(E)	EXISTING
F.E.C.	FIRE EXTINGUISHER CABINET
F.R.P.	FIBER REINFORCED PANEL
G.C.	GENERAL CONTRACTOR
GYP.	GYPSON BOARD
HT.	HEIGHT
HM	HOLLOW METAL
H.V.A.C.	HEATING VENTILATING AIR CONDITIONING
MAX.	MAXIMUM
M.O.	MASONRY OPENING
MTL.	METAL
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
Q.C.	QUALITY CONTROL
PTD.	PAINTED
R.O.	ROUGH OPENING
S.F.	SQUARE FOOT (FEET)
S.S.	STAINLESS STEEL
S.T.	STEEL
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
U.N.O.	UNLESS NOTED OTHERWISE
V.C.B.	VINYL COVE BASE
VCT.	VINYL COMPOSITION TILE
V.I.F.	VERIFY IN FIELD
WD	WOOD
W/	WITH

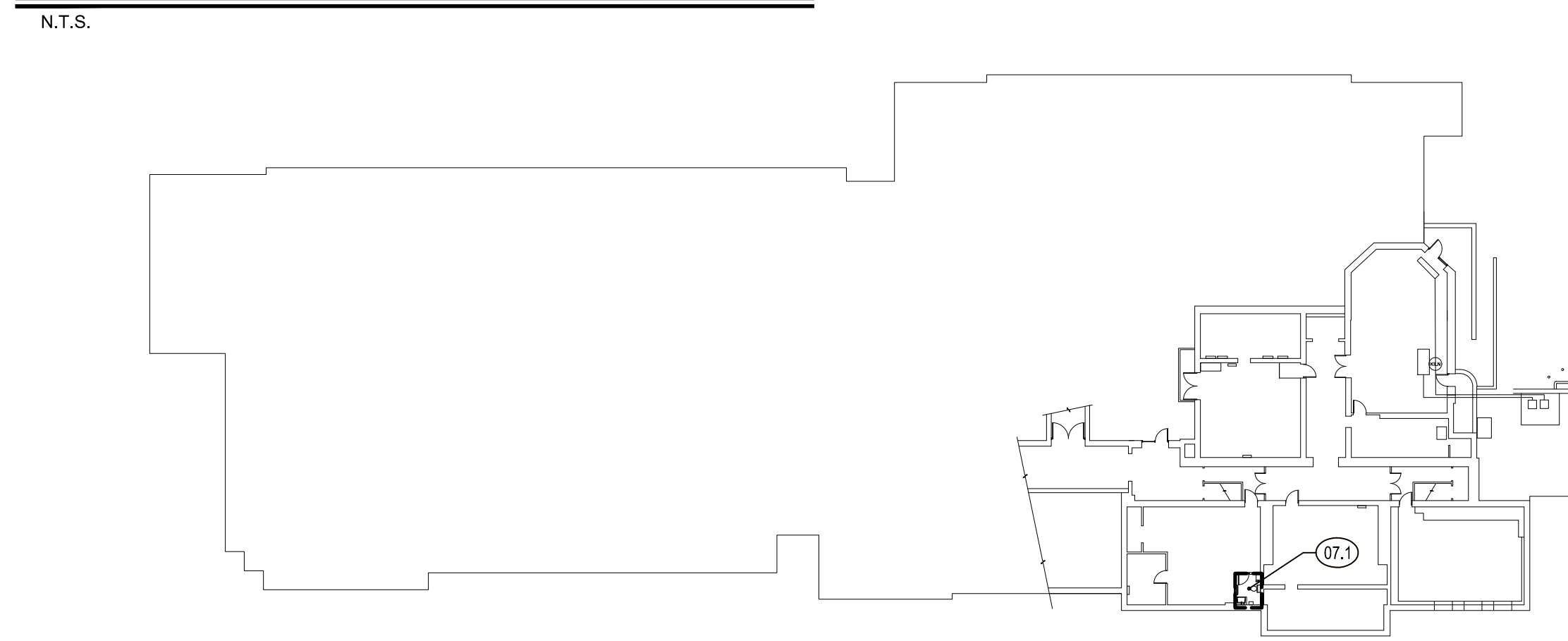
Symbol Legend

	EXISTING DOOR TO REMAIN		EXISTING DOOR, FRAME AND HARDWARE TO BE REMOVED IN THEIR ENTIRETY		NEW MASONRY WALL CONSTRUCTION. REFER TO PARTITION TYPES FOR MORE INFORMATION
	NEW DOOR. REFER TO DOOR SCHEDULE FOR MORE INFORMATION		ITEM TO BE REMOVED IN ITS ENTIRETY		NEW WALL MOUNTED SINK. REFER TO FIXTURE SCHEDULE FOR MORE INFORMATION
	WALL, PORTION OF WALL OR ITEM TO REMAIN		WALL OR PORTION OF WALL TO BE REMOVED IN ITS ENTIRETY		DATUM POINT
	DEMOLITION KEYNOTE		REVISION CLOUD		
	CONSTRUCTION KEYNOTE				
	BREAK LINE				
	ENLARGED PLAN/PLAN DETAIL CALLOUT				
	INTERIOR ELEVATION TAG				
	SECTION CALLOUT				

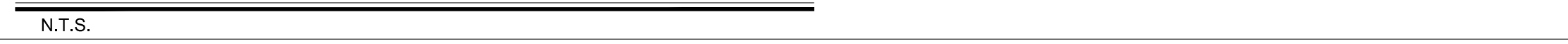
OVERALL SECOND FLOOR PLAN



OVERALL FIRST FLOOR PLAN



OVERALL GROUND FLOOR PLAN



APPLICABLE CODES:

- JURISDICTION: STATE OF NEW JERSEY
- APPLICABLE CODES:
 - INTERNATIONAL BUILDING CODE/ 2018 NEW JERSEY EDITION
 - ASHRAE 90.1-2016
 - INTERNATIONAL MECHANICAL CODE/ 2018
 - INTERNATIONAL FUEL GAS CODE/ 2018
 - NATIONAL ELECTRIC CODE/ 2017
 - NATIONAL STANDARD PLUMBING CODE/ 2018
 - N.J.A.C. 5-23-6 REHABILITATION SUB CODE
 - N.J.A.C. 5-23-7 BARRIER FREE SUBCODE AND ICC-ANSI A117.1-2009
 - NEW JERSEY UNIFORM CONSTRUCTION CODE TITLE 6, CHAPTER 23, SUBCHAPTERS 1-12
- USE GROUP/ OCCUPANCY: IBC/ 2018 NEW JERSEY EDITION, CHAPTER 3: EDUCATION "E"

NJ Certificate of Authorization	
Eng. No.	24047937500
Arch. No.	214000012400
Date	12/14/2022
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RONALD W. SCHWENKE III, R.A. The REGISTERED ARCHITECT License No. NJ21A02051300	
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Set Issue: 12-14-2022 ISSUED FOR BID	
LAN ASSOCIATES engineering • planning • architecture • surveying 1018 LAUREL OAK ROAD, SUITE 111, VOORHEES, NJ 08043 T. 856-375-2701	
State Project #: 1900-080-22-1000	
TITLE SHEET TOILET RENOVATIONS of ELIZABETH HADDON ELEMENTARY SCHOOL 501 WEST REDMAN AVENUE HADDONFIELD NJ, 08033	
Job No.	20277.14
File No.	
T0.01	

Toilet Accessory Schedule

A	"BRADLEY" GLASS MIRROR WITH STAINLESS STEEL CHANNEL FRAME MODEL 781-2436, 24"x36"
A1	"BRADLEY" GLASS MIRROR WITH STAINLESS STEEL CHANNEL FRAME MODEL 781-2460, 24"x72"
A2	"BRADLEY" GLASS MIRROR WITH STAINLESS STEEL CHANNEL FRAME MODEL 781-1824, 18"x24"
B	"EXCEL" BRUSHED STAINLESS STEEL XLERATOR HAND DRYER, MODEL XL-SB
C	"RENOWN" 1,200 ML NICKEL TOUCH-FREE FOAM HAND SOAP DISPENSER, REN02536
D	"BRADLEY" 12 GALLON RECESSED DIPLOMAT WASTE RECEPTACLE, MODEL 3A05
D1	"BRADLEY" 12 GALLON SEMI-RECESSED DIPLOMAT WASTE RECEPTACLE, MODEL 3A05-10
E	"BRADLEY" PARTITION MOUNTED SANITARY PRODUCT DISPOSAL UNIT, DIPLOMAT SERIES MODEL 4A11
F	"BOBRICK" CLASSICSERIES SURFACE MOUNTED PAPER TOWEL DISPENSER, B-2620
G	"BOBRICK" DURALINESERIES COMPACT GRADE LAMINATE PARTITION, 1081 SERIES PAINTED "WILSON ART" - NIGHTFALL #502K-19 LENO WEAVE FINISH
G1	"BOBRICK" DURALINESERIES COMPACT GRADE LAMINATE PARTITION, 1085 SERIES WALL-HUNG SCREEN 42" PAINTED "WILSON ART" - NIGHTFALL #502K-19 LENO WEAVE FINISH
H	"BOBRICK" WALL MOUNTED STAINLESS STEEL GRAB BAR SERIES B-6806, 42" LENGTH, 1/2" PEENED NON-SLIP GRIPPING SURFACE WITH POLISHED FLANGE.
M	"BOBRICK" WALL MOUNTED STAINLESS STEEL GRAB BAR SERIES B-6806, 36" LENGTH, 1/2" PEENED NON-SLIP GRIPPING SURFACE WITH POLISHED FLANGE.
J	"BOBRICK" WALL MOUNTED STAINLESS STEEL GRAB BAR SERIES B-6806, 18" LENGTH (VERTICAL INSTALLATION), 1/2" PEENED NON-SLIP GRIPPING SURFACE WITH POLISHED FLANGE.
K	"BOBRICK" SURFACE MOUNTED TWIN JUMBO-ROLL TOILET TISSUE DISPENSER, B2892
L	"BROWNLEE" SURFACE MOUNTED FLOW SQ MINI, MODEL 1265

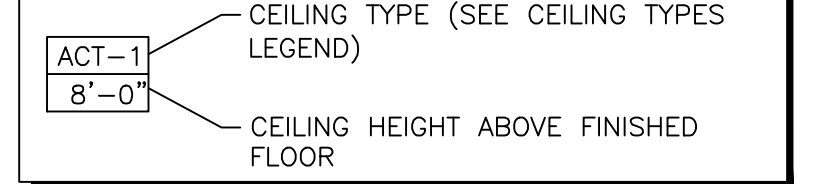
Demolition Key Notes

- 1 REMOVE EXISTING WOOD DOOR AND ASSOCIATED HARDWARE. EXISTING DOOR FRAME TO REMAIN TYP. CONTRACTOR TO PREPARE DOOR FRAME TO RECEIVE NEW FINISH AND HARDWARE AS SCHEDULED. CONTRACTOR TO REMOVE AND REUSE EXISTING DOOR CORE INTO NEW DOOR.
- 2 REMOVE EXISTING MARBLE DOOR THRESHOLD TYP.
- 3 CONTRACTOR TO PREPARE ALL WALL, FLOOR SURFACES, AS NEEDED TO ACCOMMODATE NEW FINISHES SHOWN ON DOCUMENTS.
- 4 REMOVE EXISTING TOILET PARTITIONS AND ASSOCIATED HARDWARE.
- 5 REMOVE EXISTING WALL MOUNTED URINALS AND ASSOCIATED HARDWARE. SEE PLUMBING.
- 6 REMOVE EXISTING SUSPENDED CEILING SYSTEM AND TILE.
- 7 REMOVE EXISTING CEILING HVAC VENTS. CONTRACTOR TO DOCUMENT SIZES TO MATCH NEW HVAC VENTS IN NEW DESIGN. SEE MECHANICAL.
- 8 REMOVE, AND REINSTALL EXISTING CEILINGS MOUNTED HEATING UNIT. CONTRACTOR TO INSTALL UNIT INTO NEW SUSPENDED CEILING SYSTEM. SEE MECHANICAL.
- 9 REMOVE & REPLACE EXISTING RADIATOR COVERS. CONTRACTOR TO COORDINATE FINAL PAINT COLOR WITH ARCHITECT.
- 10 REMOVE EXISTING TILE FLOOR SYSTEM DOWN TO CONC. PATCH AND PREPARE FLOOR SUBSTRATE TO ACCOMMODATE SCHEDULED FINISH, TYP.
- 11 REMOVE, REPAIR AND REINSTALL EXISTING CEILING MOUNTED SPEAKER, TYP.
- 12 REMOVE EXISTING WALL MOUNTED SINK AND ASSOCIATED HARDWARE, TYP. SEE PLUMBING.
- 13 REMOVE EXISTING WALL MOUNTED MIRROR(S) AND ASSOCIATED HARDWARE.
- 14 REMOVE EXISTING WALL MOUNTED URINAL PRIVACY SCREEN
- 15 REMOVE AND REPLACE EXISTING WALL MOUNTED EMERGENCY EXIT STROBE. SEE ELECTRICAL DWGS.
- 16 REMOVE EXISTING SPEAKER. CONTRACTOR TO COORDINATE REPLACEMENT SPEAKER WITH ARCHITECT.
- 17 REMOVE WALL MOUNTED PAPER TOWEL DISPENSERS, TYP.
- 18 REMOVE EXISTING LAY-IN CEILING LIGHTS. SEE ELECTRICAL.
- 19 REMOVE AND REPLACE EXISTING FLOOR DRAIN COVER, WHERE APPLICABLE. SEE PLUMBING.
- 20 REMOVE ENTIRE WOOD FRAMED OPENING WITH TRANSOM IN ITS ENTIRETY. CONTRACTOR TO COORDINATE THE DEMOLITION NEEDED TO ACCOMMODATE NEW OPENING AS SHOWN IN DOCUMENTS.
- 21 REMOVE PARTIAL CEILING SYSTEM AS SHOWN.
- 22 REMOVE EXISTING CEILING MOUNTED LIGHT FIXTURE, TYP. SEE ELECTRICAL.
- 23 REMOVE AND RELOCATE EXISTING CEILING MOUNTED SMOKE DETECTORS. SEE ELECTRICAL.
- 24 REMOVE EXISTING VINYL FLOOR TILE AS NEEDED PREPARE SUBSTRATE FOR SCHEDULED FINISH.
- 25 REMOVE EXISTING WALL MOUNTED LIGHT SWITCH. SEE ELECTRICAL.
- 26 MODIFY EXISTING HARD DUCT AS REQUIRED TO ACCOMMODATE NEW DESIGN PER DOCUMENTS. SEE MECHANICAL.
- 27 REMOVE AND RECONFIGURE JUNCTION BOX AND CONDUIT AS NEEDED SO FINAL LOCATION RUNS ABOVE SCHEDULED CEILING. SEE ELECTRICAL.
- 28 REMOVE SURFACE MOUNTED CONDUIT AND REROUTE POWER SUPPLY AS NEEDED TO ACCOMMODATE SCHEDULE FINISHES, TYP. SEE ELECTRICAL.
- 29 EXISTING WOOD DOOR FRAME WITH TRANSOM TO REMAIN, PATCH AS REQUIRED TO ACCOMMODATE SCHEDULED FINISH.
- 30 REMOVE EXISTING HARD CEILING IN ITS ENTIRETY.
- 31 REMOVE AND DISCARD EXISTING BASE CABINET SINK IN ITS ENTIRETY.
- 32 REMOVE EXISTING WALL MOUNTED LIGHT SCENCE.
- 33 REMOVE EXISTING PIPE INSULATION. CONTRACTOR TO REPLACE WITH PVC WRAPPED INSULATION. SEE MECHANICAL.
- 34 REMOVE AND DISCARD EXISTING WALL MOUNTED RECESSED WASTE RECEPTACLE. INFILL AND PATCH TO ACCOMMODATE SCHEDULED FINISH.
- 35 REMOVE AND REINSTALL EXISTING WALL MOUNTED EMERGENCY WALL PACK. SEE ELECTRICAL.
- 36 REMOVE EXISTING PARTITION AS REQUIRED FOR NEW PLAN. COORDINATE WITH DOCUMENTS.
- 37 REMOVE AND DISCARD EXISTING WALL MOUNTED SANITARY NAPKIN / TAMPON DISPENSER.
- 38 REMOVE AND DISCARD EXISTING WALL MOUNTED SIGNAGE. PATCH AREA TO MATCH ADJACENT FINISH.
- 39 REMOVE FLOOR MOUNTED TOILETS AND SURROUNDING HARDWARE.
- 40 REMOVE EXISTING WALL MOUNTED GRAB BARS
- 41 REMOVE WOOD FRAME OPENING IN ITS ENTIRETY. CONTRACTOR TO COORDINATE THE DEMOLITION NEEDED TO ACCOMMODATE FOR NEW OPENING AS SHOWN IN DOCUMENTS.
- 42 REMOVE PORTION OF WALL TO ACCOMMODATE NEW SEMI-RECESSED TRASH RECEPTACLE.
- 43 MODIFY ROUGH-IN PLUMBING AS REQUIRED TO ACCOMMODATE NEW FIXTURE. SEE WORK PLAN.

General Notes

1. ALL DIMENSIONS ARE FROM FACE OF FINISH MATERIALS, AND REPRESENT CLEAR AREA.
2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING AND PROPOSED DIMENSIONS PRIOR TO INSTALLATION/CONSTRUCTION.
3. WHERE REQUIRED DUE TO DEMOLITION, CONTRACTOR SHALL SATISFACTORILY PATCH, REPAIR AND OR REPLACE EXISTING CONSTRUCTION.
4. G.C. TO PROTECT, REPAIR & CLEAN ALL "EXISTING TO REMAIN" ITEMS AS NEEDED.
5. REMOVE EXISTING DOOR HARDWARE AND STORE FOR RE-USE IN NEW CONSTRUCTION.TYPICAL.
6. REMOVE ALL FLOOR UNDERLAYMENT AND PROPERLY PREPARE SLAB TO A LIKE NEW CONDITION AND PROPERLY PREPARE TO ACCEPT NEW SPECIFIED FLOOR FINISH.
7. WHERE TILE BASE IS REMOVED FROM EXISTING WALL SCHEDULED TO REMAIN, PATCH, REPAIR AND/OR REPLACE WALL AS REQUIRED TO A LIKE-NEW CONDITION.
8. EXISTING FIRE SAFETY DEVICES AT WALLS REMOVED BY DEMOLITION SHALL BE REINSTALLED AT ADA COMPLIANT HEIGHTS.

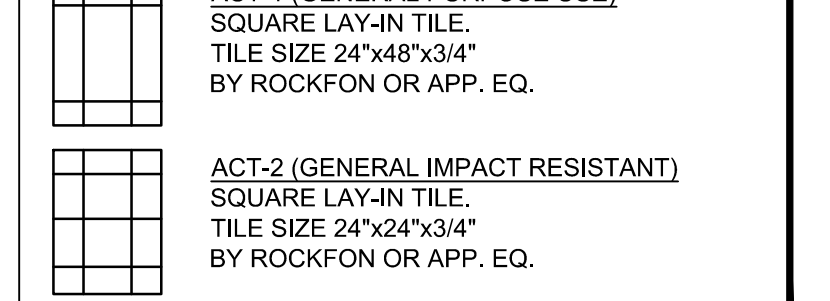
LEGEND



SYMBOL LEGEND

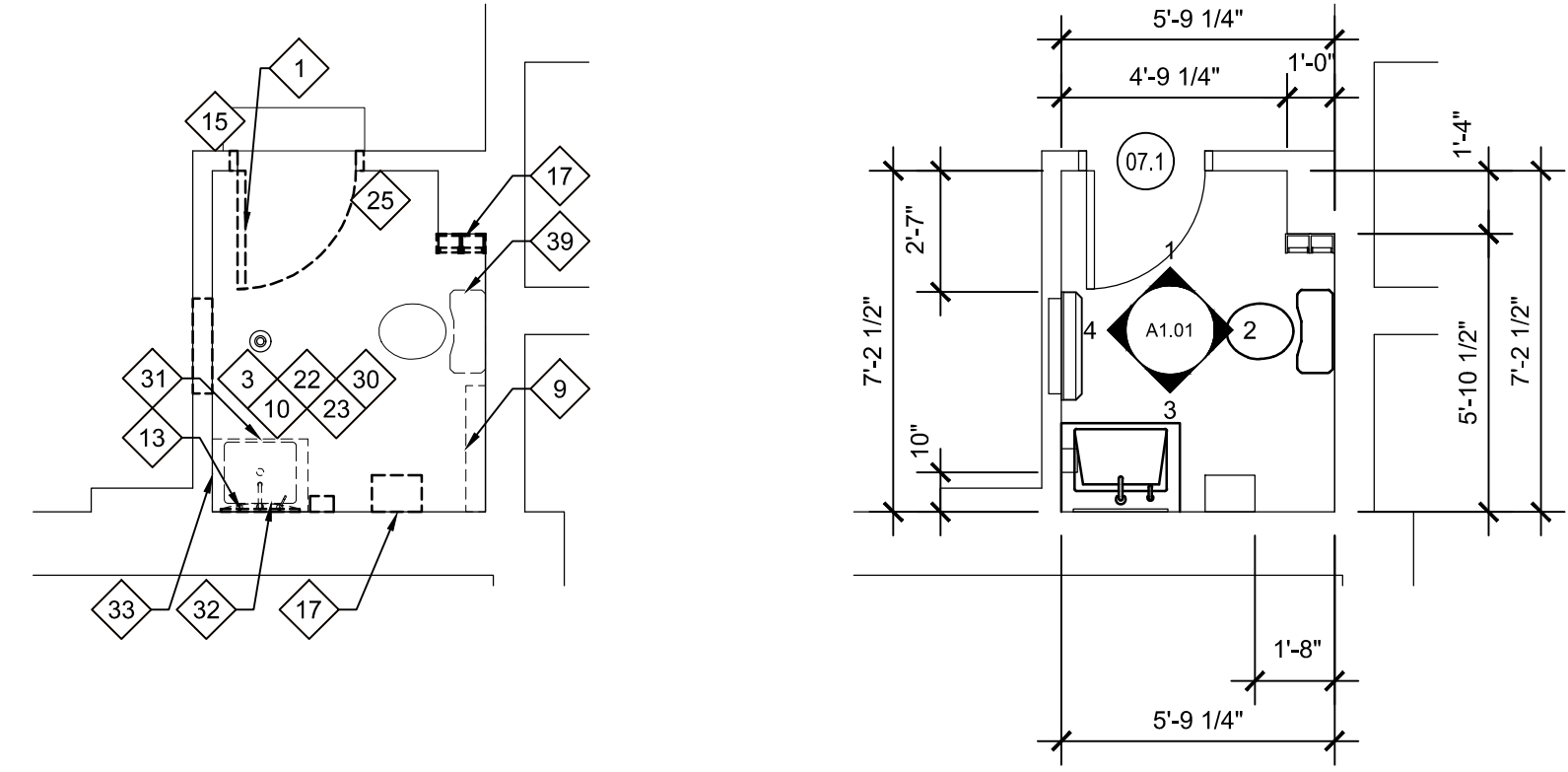
- NEW 2'x4' LIGHT FIXTURE. REFER TO ELECTRICAL LIGHTING PLANS FOR ADDITIONAL INFORMATION.
- NEW 1'x4' RECESSED LIGHT FIXTURE. REFER TO ELECTRICAL LIGHTING PLANS FOR ADDITIONAL INFORMATION.
- NEW 2'x2' LIGHT FIXTURE. REFER TO ELECTRICAL LIGHTING PLANS FOR ADDITIONAL INFORMATION.
- NEW WALL MOUNTED SCENCE. REFER TO ELECTRICAL LIGHTING PLANS FOR ADDITIONAL INFORMATION.
- NEW HVAC DIFFUSER. REFER TO MECHANICAL PLANS FOR ADDITIONAL INFORMATION.
- EXISTING SPRINKLER AND HEAT DETECTOR. REFER TO SPRINKLER PLANS FOR ADDITIONAL INFORMATION.
- EXISTING SPEAKER. REFER TO ELECTRICAL AND MECHANICAL PLANS FOR ADDITIONAL INFORMATION.
- NEW EXIT SIGN. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- NEW VACANCY SENSOR. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- NEW OCCUPANCY SENSOR. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- NEW DAYLIGHT SENSOR. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.

CEILING TYPES LEGEND



REFLECTED CEILING NOTES

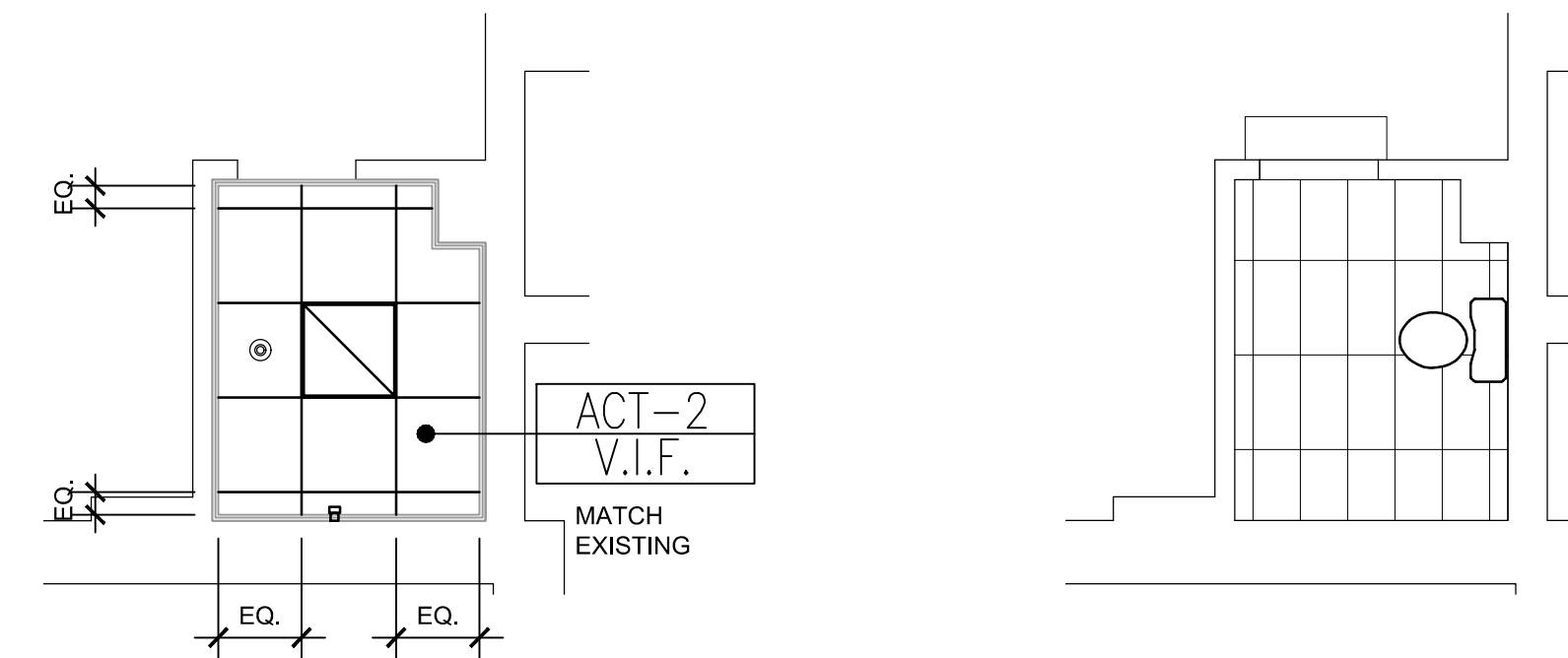
1. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.
2. ALL INDICATED CEILING HEIGHTS ARE FROM TOP OF FINISHED FLOOR.
3. IF SHOWN, ARCHITECTURAL DRAWINGS SHALL DICTATE LOCATIONS OF LIGHT FIXTURES, GRILLS/DIFFUSERS, ETC.
4. ALL ACCESS PANELS, HATCHES, GYPSUM BOARD SOFFITS, BULKHEAD, GRILLS AND REGISTERS TO BE PAINTED TO MATCH CEILING FINISHES.
5. FURNISH AND INSTALL ALL NECESSARY ACCESSORIES INCLUDING PERIMETER MOLDINGS, FASTENERS, SUPPORT WIRES, TRIM, ETC., TO INSURE COMPLETE INSTALLATION OF SYSTEM.
6. UNLESS OTHERWISE NOTED, CEILING GRIDS ARE TO BE CENTERED WITHIN THE SPACES SHOWN WITH EQUAL CEILING TILE CUTS ON EACH END.



07.1- TEACHER TOILET DEMOLITION PLAN

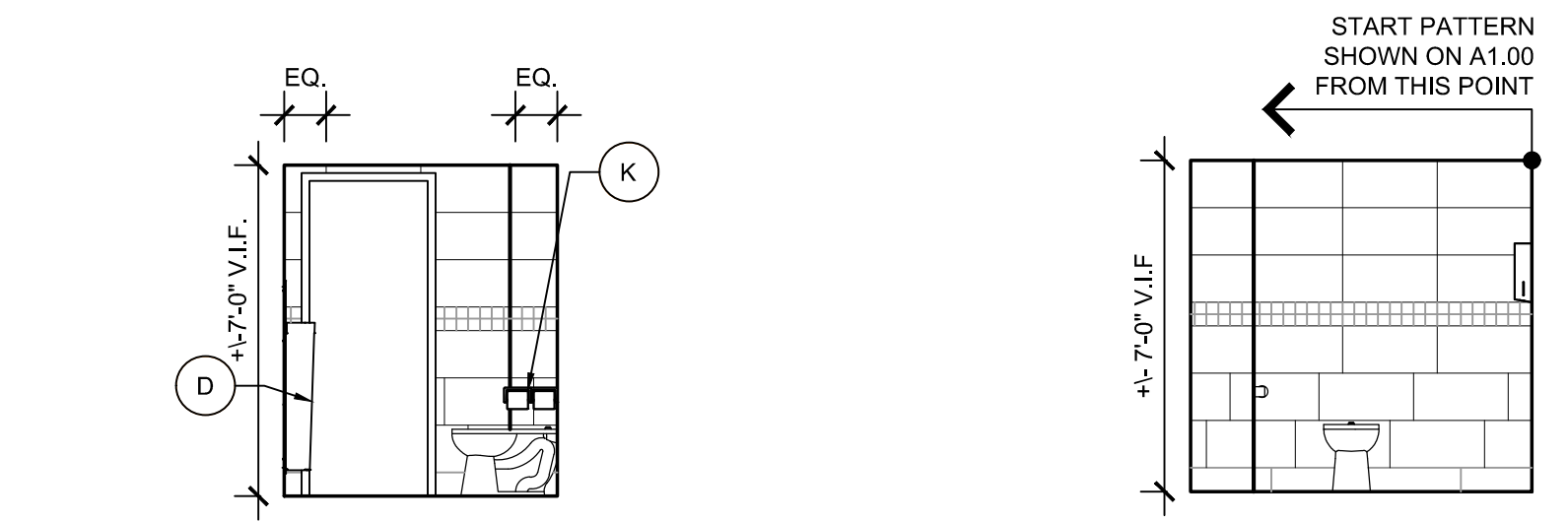
07.1- TEACHER TOILET PROPOSED PLAN

NOTE: ALIGN GROUT JOINT WITH VERTICAL JOINTS, SEE ELEVATIONS, TYPICAL



07.1- TEACHER TOILET REFLECTED CEILING PLAN

07.1- TEACHER TOILET FINISH FLOOR PLAN



07.1- TEACHER TOILET INTERIOR ELEVATION

07.1- TEACHER TOILET INTERIOR ELEVATION



07.1- TEACHER TOILET INTERIOR ELEVATION

07.1- TEACHER TOILET INTERIOR ELEVATION

NJ Certificate of Authorization
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 Arch. No. 21400012400
 Date 12/14/2022
 Checked RS
 Drawn CP

Revisions:

12-14-2022
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LAN ASSOCIATES
 engineering • planning • architecture • surveying
 1018 LAUREL OAK ROAD, SUITE 111, VOORHEES, NJ 08043 T. 856-375-2701

State Project #: 1900-080-22-1000

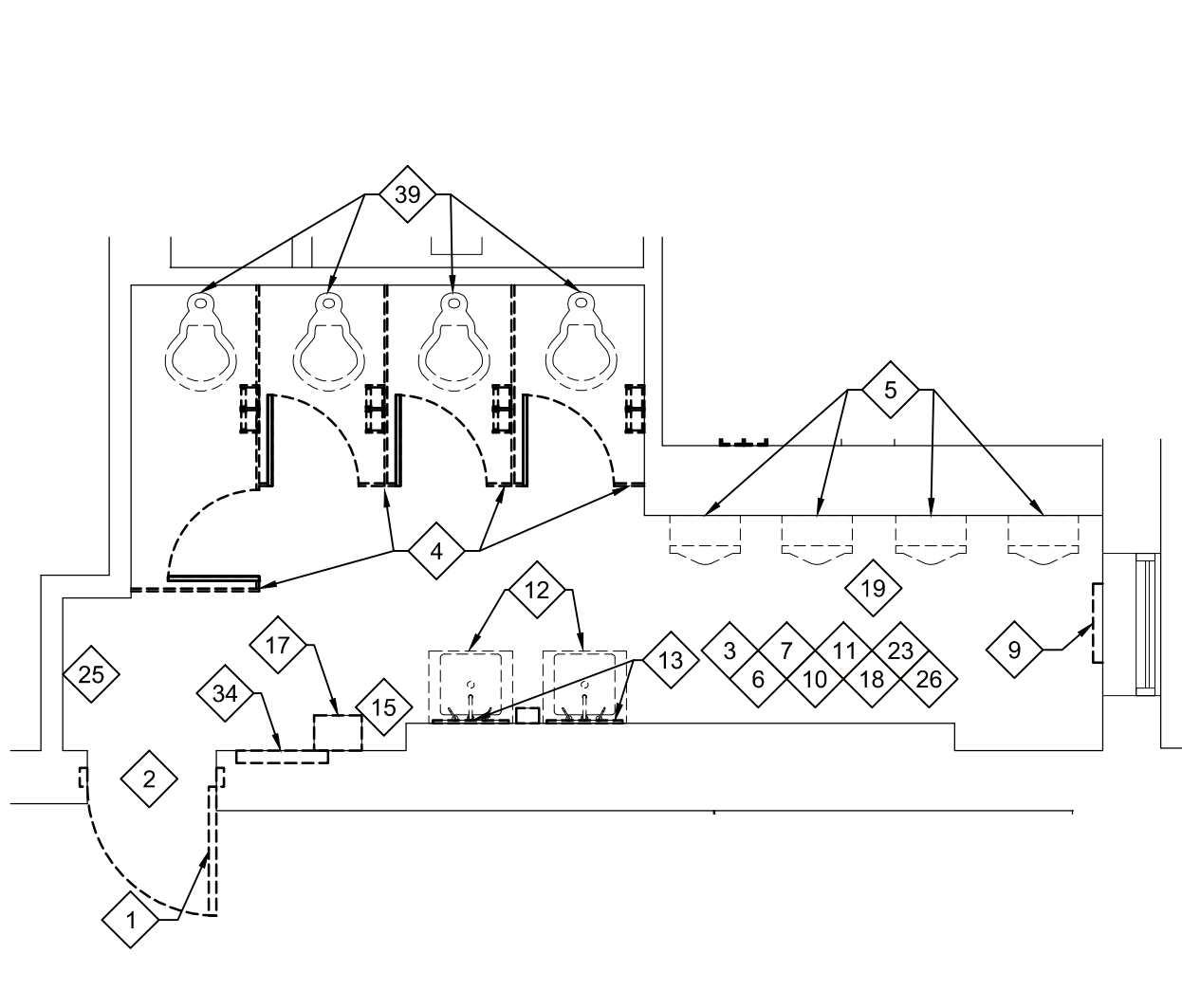
PLANS & INTERIOR ELEVATIONS- GROUND FLOOR
 TOILET RENOVATIONS of
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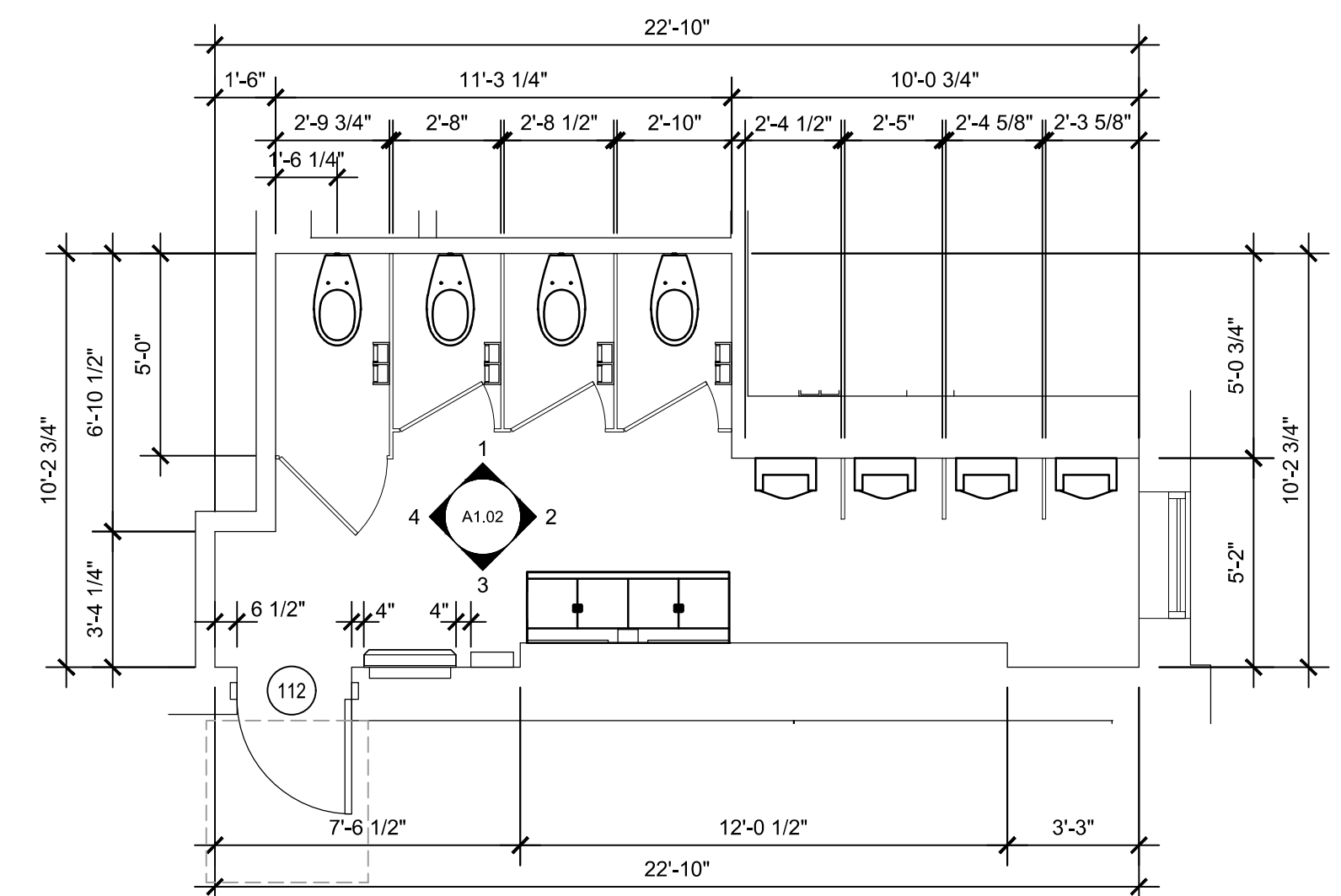
A1.01

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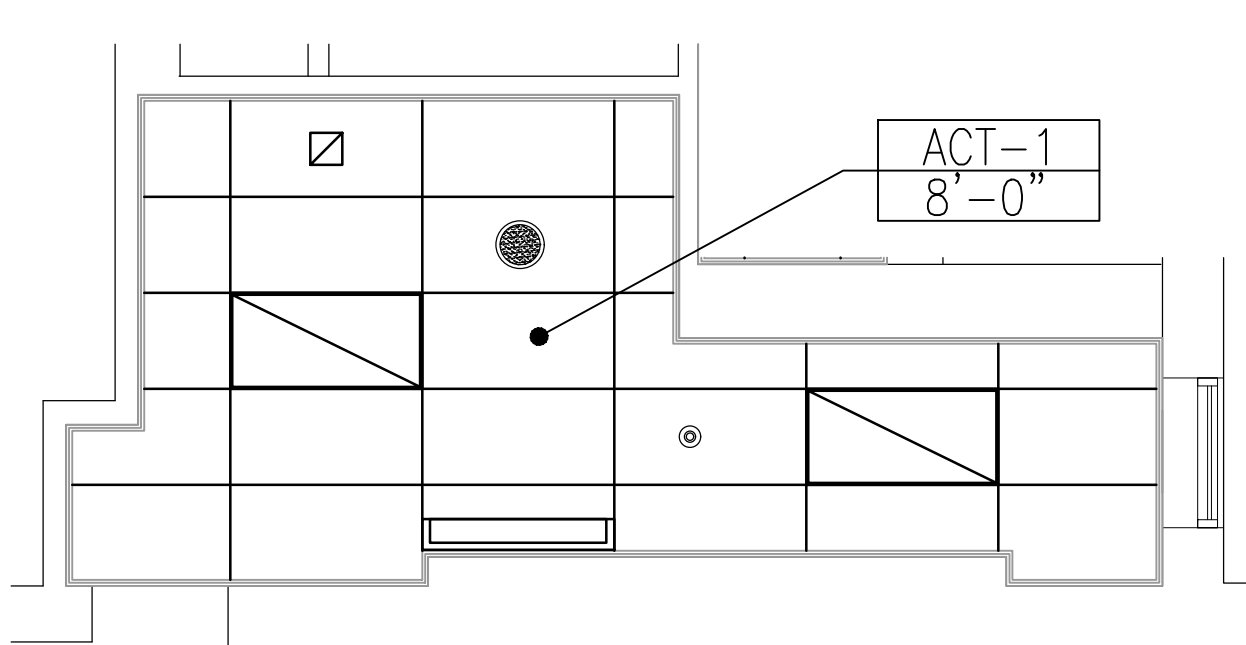
**112 - BOYS
DEMOLITION PLAN**
7
A1.02
1/4" = 1'-0"



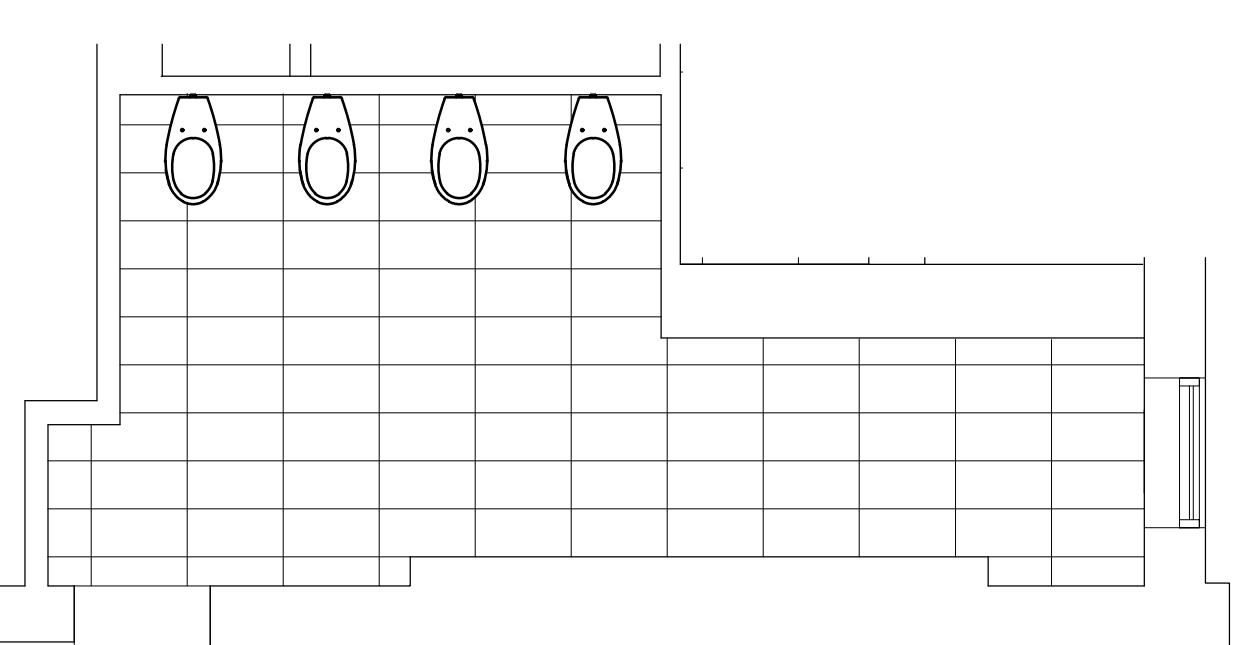
**112 - BOYS
PROPOSED PLAN**
8
A1.02
1/4" = 1'-0"

EXISTING TOILET IS NON-ADA COMPLIANT. PROJECT IS FIXTURE REPLACEMENT.

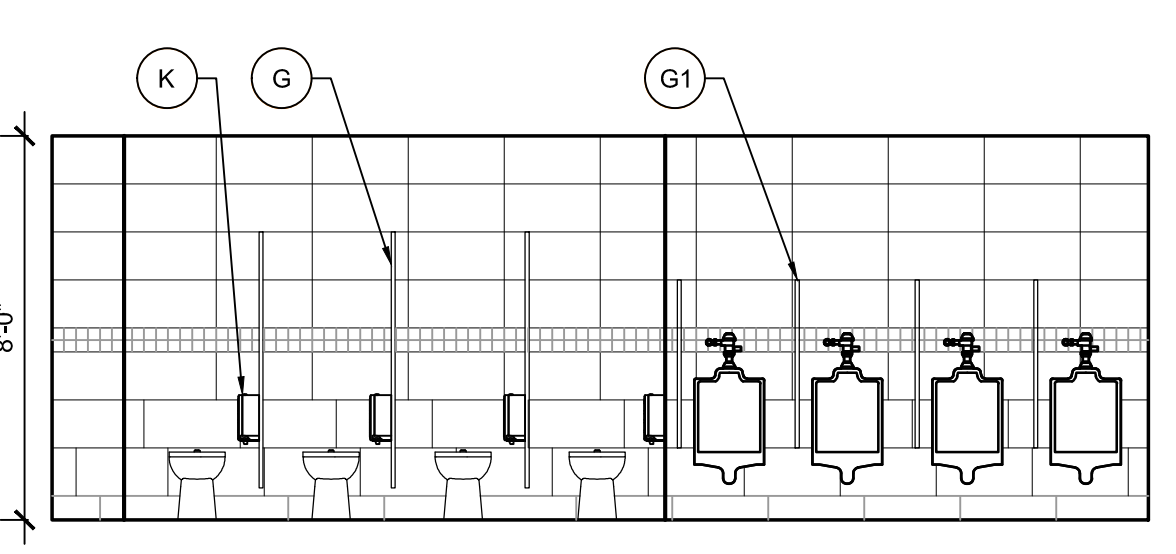
NOTE:
ALIGN GROUT JOINT WITH VERTICAL JOINTS, SEE ELEVATIONS, TYPICAL



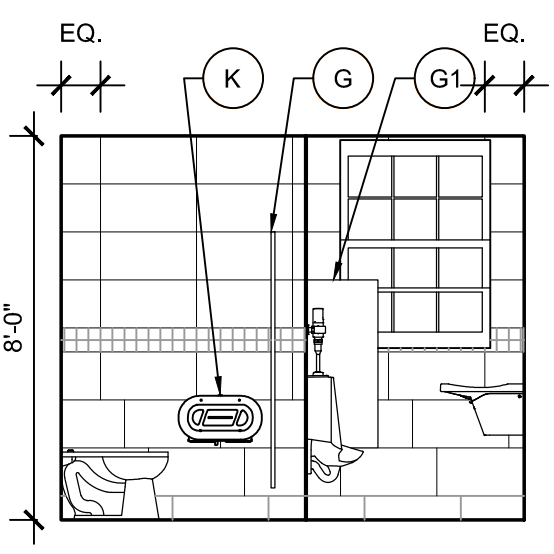
**112 - BOYS
REFLECTED CEILING PLAN**
5
A1.02
1/4" = 1'-0"



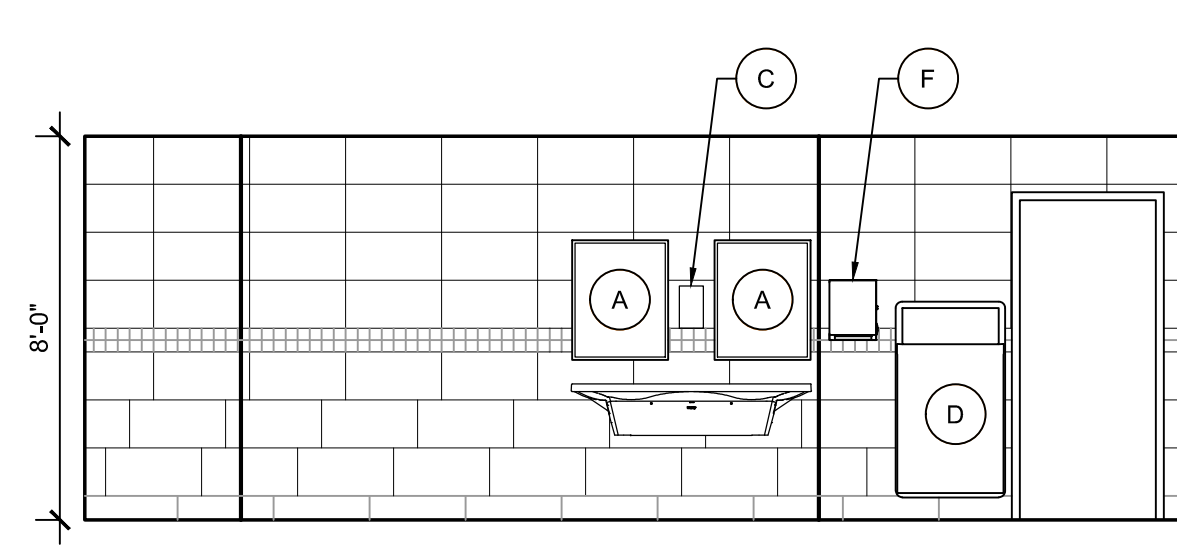
**112 - BOYS
FINISH FLOOR PLAN**
6
A1.02
1/4" = 1'-0"



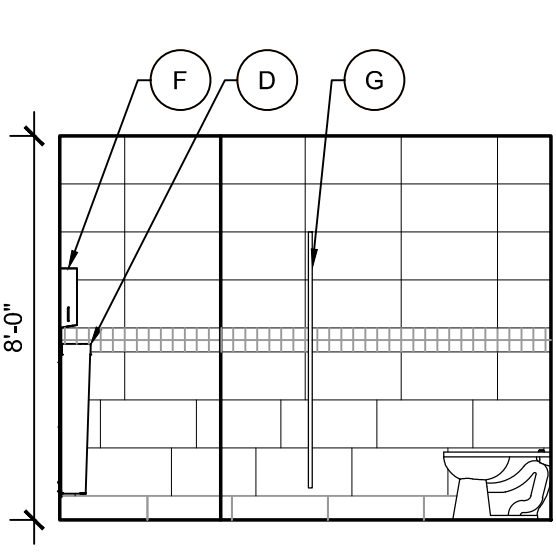
**112 - BOYS
INTERIOR ELEVATION**
1
A1.02
1/4" = 1'-0"



**112 - BOYS
INTERIOR ELEVATION**
2
A1.02
1/4" = 1'-0"



**112 - BOYS
INTERIOR ELEVATION**
3
A1.02
1/4" = 1'-0"



**112 - BOYS
INTERIOR ELEVATION**
4
A1.02
1/4" = 1'-0"

Toilet Accessory Schedule

- A "BRADLEY" GLASS MIRROR WITH STAINLESS STEEL CHANNEL FRAME MODEL 781-2436, 24"x36"
- A1 "BRADLEY" GLASS MIRROR WITH STAINLESS STEEL CHANNEL FRAME MODEL 781-2460, 24"x72"
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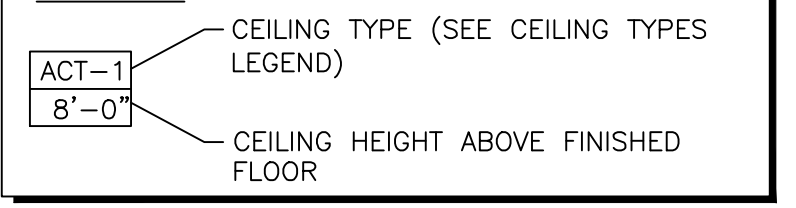
Demolition Key Notes

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- 2 REMOVE EXISTING MARBLE DOOR THRESHOLD TYP.
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- 11 REMOVE, REPAIR AND REINSTALL EXISTING CEILING MOUNTED SPEAKER, TYP.
- 12 REMOVE EXISTING WALL MOUNTED SINK AND ASSOCIATED HARDWARE, TYP. SEE PLUMBING.
- 13 REMOVE EXISTING WALL MOUNTED MIRROR(S) AND ASSOCIATED HARDWARE.
- 14 REMOVE EXISTING WALL MOUNTED URINAL PRIVACY SCREEN
- 15 REMOVE AND REPLACE EXISTING WALL MOUNTED EMERGENCY EXIT STROBE. SEE ELECTRICAL DWGS.
- 16 REMOVE EXISTING SPEAKER. CONTRACTOR TO COORDINATE REPLACEMENT SPEAKER WITH ARCHITECT.
- 17 REMOVE WALL MOUNTED PAPER TOWEL DISPENSERS, TYP.
- 18 REMOVE EXISTING LAY-IN CEILING LIGHTS. SEE ELECTRICAL.
- 19 REMOVE AND REPLACE EXISTING FLOOR DRAIN COVER, WHERE APPLICABLE. SEE PLUMBING.
- 20 REMOVE ENTIRE WOOD FRAMED OPENING WITH TRANSOM IN ITS ENTIRETY. CONTRACTOR TO COORDINATE THE DEMOLITION NEEDED TO ACCOMMODATE NEW OPENING AS SHOWN IN DOCUMENTS.
- 21 REMOVE PARTIAL CEILING SYSTEM AS SHOWN.
- 22 REMOVE EXISTING CEILING MOUNTED LIGHT FIXTURE, TYP. SEE ELECTRICAL.
- 23 REMOVE AND RELOCATE EXISTING CEILING MOUNTED SMOKE DETECTORS. SEE ELECTRICAL.
- 24 REMOVE EXISTING VINYL FLOOR TILE AS NEEDED .PREPARE SUBSTRATE FOR SCHEDULED FINISH.
- 25 REMOVE EXISTING WALL MOUNTED LIGHT SWITCH. SEE ELECTRICAL.
- 26 MODIFY EXISTING HARD DUCT AS REQUIRED TO ACCOMMODATE NEW DESIGN PER DOCUMENTS. SEE MECHANICAL.
- 27 REMOVE AND RECONFIGURE JUNCTION BOX AND CONDUIT AS NEEDED SO FINAL LOCATION RUNS ABOVE SCHEDULED CEILING. SEE ELECTRICAL.
- 28 REMOVE SURFACE MOUNTED CONDUIT AND REROUTE POWER SUPPLY AS NEEDED TO ACCOMMODATE SCHEDULE FINISHES, TYP. SEE ELECTRICAL.
- 29 EXISTING WOOD DOOR FRAME WITH TRANSOM TO REMAIN. PATCH AS REQUIRED TO ACCOMMODATE SCHEDULED FINISH.
- 30 REMOVE EXISTING HARD CEILING IN ITS ENTIRETY.
- 31 REMOVE AND DISCARD EXISTING BASE CABINET SINK IN ITS ENTIRETY.
- 32 REMOVE EXISTING WALL MOUNTED LIGHT SCENCE.
- 33 REMOVE EXISTING PIPE INSULATION. CONTRACTOR TO REPLACE WITH PVC WRAPPED INSULATION. SEE MECHANICAL.
- 34 REMOVE AND DISCARD EXISTING WALL MOUNTED RECESSED WASTE RECEPTACLE. INFILL AND PATCH TO ACCOMMODATE SCHEDULED FINISH.
- 35 REMOVE AND REINSTALL EXISTING WALL MOUNTED EMERGENCY WALL PACK. SEE ELECTRICAL.
- 36 REMOVE EXISTING PARTITION AS REQUIRED FOR NEW PLAN. COORDINATE WITH DOCUMENTS.
- 37 REMOVE AND DISCARD EXISTING WALL MOUNTED SANITARY NAPKIN / TAMPON DISPENSER.
- 38 REMOVE AND DISCARD EXISTING WALL MOUNTED SIGNAGE. PATCH AREA TO MATCH ADJACENT FINISH.
- 39 REMOVE FLOOR MOUNTED TOILETS AND SURROUNDING HARDWARE.
- 40 REMOVE EXISTING WALL MOUNTED GRAB BARS
- 41 REMOVE WOOD FRAME OPENING IN ITS ENTIRETY. CONTRACTOR TO COORDINATE THE DEMOLITION NEEDED TO ACCOMMODATE FOR NEW OPENING AS SHOWN IN DOCUMENTS.
- 42 REMOVE PORTION OF WALL TO ACCOMMODATE NEW SEMI-RECESSED TRASH RECEPTACLE.
- 43 MODIFY ROUGH-IN PLUMBING AS REQUIRED TO ACCOMMODATE NEW FIXTURE. SEE WORK PLAN.

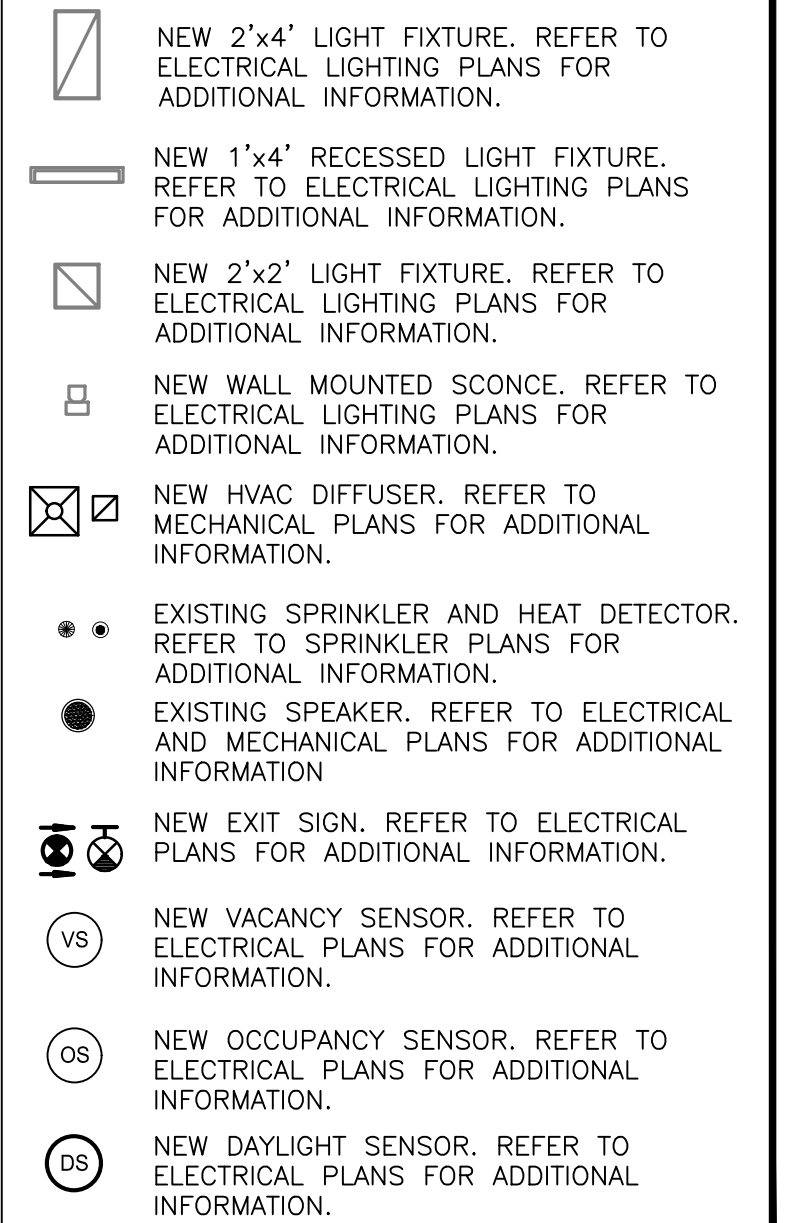
General Notes

- 1. ALL DIMENSIONS ARE FROM FACE OF FINISH MATERIALS, AND REPRESENT CLEAR AREA.
- 2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING AND PROPOSED DIMENSIONS PRIOR TO INSTALLATION/CONSTRUCTION.
- 3. WHERE REQUIRED DUE TO DEMOLITION, CONTRACTOR SHALL SATISFACTORILY PATCH, REPAIR AND OR REPLACE EXISTING CONSTRUCTION.
- 4. G.C. TO PROTECT, REPAIR & CLEAN ALL "EXISTING TO REMAIN" ITEMS AS NEEDED.
- 5. REMOVE EXISTING DOOR HARDWARE AND STORE FOR RE-USE IN NEW CONSTRUCTION.TYPICAL.
- 6. REMOVE ALL FLOOR UNDERLAYMENT AND PROPERLY PREPARE SLAB TO A LIKE NEW CONDITION AND PROPERLY PREPARE TO ACCEPT NEW SPECIFIED FLOOR FINISH.
- 7. WHERE TILE BASE IS REMOVED FROM EXISTING WALL SCHEDULED TO REMAIN, PATCH, REPAIR AND/OR REPLACE WALL AS REQUIRED TO A LIKE-NEW CONDITION.
- 8. EXISTING FIRE SAFETY DEVICES AT WALLS REMOVED BY DEMOLITION SHALL BE REINSTALLED AT ADA COMPLIANT HEIGHTS.

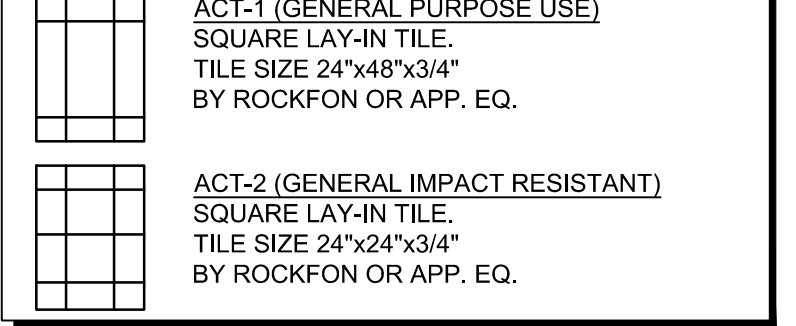
LEGEND



SYMBOL LEGEND



CEILING TYPES LEGEND



REFLECTED CEILING NOTES

- 1. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.
- 2. ALL INDICATED CEILING HEIGHTS ARE FROM TOP OF FINISHED FLOOR.
- 3. IF SHOWN, ARCHITECTURAL DRAWINGS SHALL DICTATE LOCATIONS OF LIGHT FIXTURES, GRILLS/DIFFUSERS, ETC.
- 4. ALL ACCESS PANELS, HATCHES, GYPSUM BOARD SOFFITS, BULKHEAD, GRILLS AND REGISTERS TO BE PAINTED TO MATCH CEILING FINISHES.
- 5. FURNISH AND INSTALL ALL NECESSARY ACCESSORIES INCLUDING PERIMETER MOLDINGS, FASTENERS, SUPPORT WIRES, TRIM, ETC., TO INSURE COMPLETE INSTALLATION OF SYSTEM.
- 6. UNLESS OTHERWISE NOTED, CEILING GRIDS ARE TO BE CENTERED WITHIN THE SPACES SHOWN WITH EQUAL CEILING TILE CUTS ON EACH END.

NJ Certificate of Authorization
 Eng. No. 24047937500
 Arch. No. 21AC00012400
 Date 12/14/2022
 Checked RS
 Drawn CP

Revisions:

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PLANS & INTERIOR ELEVATIONS- 1st FLOOR
 TOILET RENOVATIONS OF
 ELIZABETH HADDON ELEMENTARY SCHOOL
 501 WEST REDMAN AVENUE
 HADDONFIELD NJ, 08033

Job No. 20277.14
 File No.

State Project #: 1900-080-22-1000

A1.02

Toilet Accessory Schedule

- (A) "BRADLEY" GLASS MIRROR WITH STAINLESS STEEL CHANNEL FRAME MODEL 781-2436, 24"x36"
- (A1) "BRADLEY" GLASS MIRROR WITH STAINLESS STEEL CHANNEL FRAME MODEL 781-2460, 24"x72"
- (A2) "BRADLEY" GLASS MIRROR WITH STAINLESS STEEL CHANNEL FRAME MODEL 781-1824, 18"x24"
- (B) "EXCEL" BRUSHED STAINLESS STEEL XLERATOR HAND DRYER, MODEL XL-SB
- (C) "RENOWN" 1,200 ML NICKEL TOUCH-FREE FOAM HAND SOAP DISPENSER, REN02536
- (D) "BRADLEY" 12 GALLON RECESSED DIPLOMAT WASTE RECEPTACLE, MODEL 3A05
- (D1) "BRADLEY" 12 GALLON SEMI-RECESSED DIPLOMAT WASTE RECEPTACLE, MODEL 3A05-10
- (E) "BRADLEY" PARTITION MOUNTED SANITARY PRODUCT DISPOSAL UNIT, DIPLOMAT SERIES MODEL 4A11
- (F) "BOBRICK" CLASSICSERIES SURFACE MOUNTED PAPER TOWEL DISPENSER, B-2620
- (G) "BOBRICK" DURALINESERIES COMPACT GRADE LAMINATE PARTITION, 1081 SERIES PAINTED "WILSON ART" - NIGHTFALL #502K-19 LENO WEAVE FINISH
- (G1) "BOBRICK" DURALINESERIES COMPACT GRADE LAMINATE PARTITION, 1085 SERIES WALL-HUNG SCREEN 42" PAINTED "WILSON ART" - NIGHTFALL #502K-19 LENO WEAVE FINISH
- (H) "BOBRICK" WALL MOUNTED STAINLESS STEEL GRAB BAR SERIES B-6806, 42" LENGTH, 1/2" PEENED NON-SLIP GRIPPING SURFACE WITH POLISHED FLANGE.
- (M) "BOBRICK" WALL MOUNTED STAINLESS STEEL GRAB BAR SERIES B-6806, 36" LENGTH, 1/2" PEENED NON-SLIP GRIPPING SURFACE WITH POLISHED FLANGE.
- (J) "BOBRICK" WALL MOUNTED STAINLESS STEEL GRAB BAR SERIES B-6806, 18" LENGTH (VERTICAL INSTALLATION), 1/2" PEENED NON-SLIP GRIPPING SURFACE WITH POLISHED FLANGE.
- (K) "BOBRICK" SURFACE MOUNTED TWIN JUMBO-ROLL TOILET TISSUE DISPENSER, B2892
- (L) "BROWNLEE" SURFACE MOUNTED FLOW SQ MINI, MODEL 1265

Demolition Key Notes

- 1 REMOVE EXISTING WOOD DOOR AND ASSOCIATED HARDWARE. EXISTING DOOR FRAME TO REMAIN TYP. CONTRACTOR TO PREPARE DOOR FRAME TO RECEIVE NEW FINISH AND HARDWARE AS SCHEDULED. CONTRACTOR TO REMOVE AND REUSE EXISTING DOOR CORE INTO NEW DOOR.
- 2 REMOVE EXISTING MARBLE DOOR THRESHOLD TYP.
- 3 CONTRACTOR TO PREPARE ALL WALL, FLOOR SURFACES, AS NEEDED TO ACCOMMODATE NEW FINISHES SHOWN ON DOCUMENTS.
- 4 REMOVE EXISTING TOILET PARTITIONS AND ASSOCIATED HARDWARE.
- 5 REMOVE EXISTING WALL MOUNTED URINALS AND ASSOCIATED HARDWARE. SEE PLUMBING.
- 6 REMOVE EXISTING SUSPENDED CEILING SYSTEM AND TILE.
- 7 REMOVE EXISTING CEILING HVAC VENTS. CONTRACTOR TO DOCUMENT SIZES TO MATCH NEW HVAC VENTS IN NEW DESIGN. SEE MECHANICAL.
- 8 REMOVE, AND REINSTALL EXISTING CEILING MOUNTED HEATING UNIT. CONTRACTOR TO INSTALL UNIT INTO NEW SUSPENDED CEILING SYSTEM. SEE MECHANICAL.
- 9 REMOVE & REPLACE EXISTING RADIATOR COVERS. CONTRACTOR TO COORDINATE FINAL PAINT COLOR WITH ARCHITECT.
- 10 REMOVE EXISTING TILE FLOOR SYSTEM DOWN TO CONC. PATCH AND PREPARE FLOOR SUBSTRATE TO ACCOMMODATE SCHEDULED FINISH, TYP.
- 11 REMOVE, REPAIR AND REINSTALL EXISTING CEILING MOUNTED SPEAKER, TYP.
- 12 REMOVE EXISTING WALL MOUNTED SINK AND ASSOCIATED HARDWARE, TYP. SEE PLUMBING.
- 13 REMOVE EXISTING WALL MOUNTED MIRROR(S) AND ASSOCIATED HARDWARE.
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- 20 REMOVE ENTIRE WOOD FRAMED OPENING WITH TRANSOM IN ITS ENTIRETY. CONTRACTOR TO COORDINATE THE DEMOLITION NEEDED TO ACCOMMODATE NEW OPENING AS SHOWN IN DOCUMENTS.
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- 33 REMOVE EXISTING PIPE INSULATION. CONTRACTOR TO REPLACE WITH PVC WRAPPED INSULATION. SEE MECHANICAL.
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General Notes

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- WHERE TILE BASE IS REMOVED FROM EXISTING WALL SCHEDULED TO REMAIN, PATCH, REPAIR AND/OR REPLACE WALL AS REQUIRED TO A LIKE-NEW CONDITION.
- EXISTING FIRE SAFETY DEVICES AT WALLS REMOVED BY DEMOLITION SHALL BE REINSTALLED AT ADA COMPLIANT HEIGHTS.

LEGEND

- ACT-1 CEILING TYPE (SEE CEILING TYPES LEGEND)
- 8'-0" CEILING HEIGHT ABOVE FINISHED FLOOR

SYMBOL LEGEND

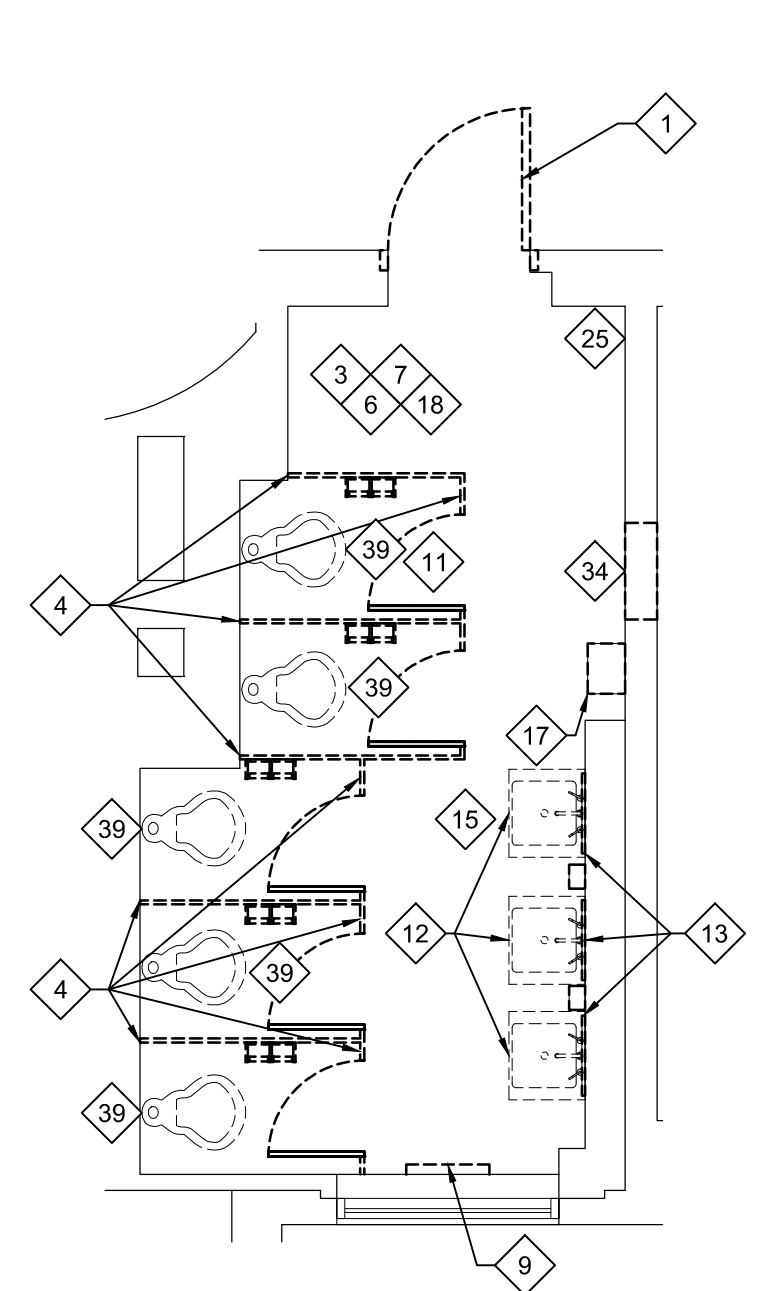
- NEW 2'x4' LIGHT FIXTURE. REFER TO ELECTRICAL LIGHTING PLANS FOR ADDITIONAL INFORMATION.
- NEW 1'x4' RECESSED LIGHT FIXTURE. REFER TO ELECTRICAL LIGHTING PLANS FOR ADDITIONAL INFORMATION.
- NEW 2'x2' LIGHT FIXTURE. REFER TO ELECTRICAL LIGHTING PLANS FOR ADDITIONAL INFORMATION.
- NEW WALL MOUNTED SCIENCE. REFER TO ELECTRICAL LIGHTING PLANS FOR ADDITIONAL INFORMATION.
- NEW HVAC DIFFUSER. REFER TO MECHANICAL PLANS FOR ADDITIONAL INFORMATION.
- EXISTING SPRINKLER AND HEAT DETECTOR. REFER TO SPRINKLER PLANS FOR ADDITIONAL INFORMATION.
- EXISTING SPEAKER. REFER TO ELECTRICAL AND MECHANICAL PLANS FOR ADDITIONAL INFORMATION
- NEW EXIT SIGN. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- NEW VACANCY SENSOR. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- NEW OCCUPANCY SENSOR. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- NEW DAYLIGHT SENSOR. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.

CEILING TYPES LEGEND

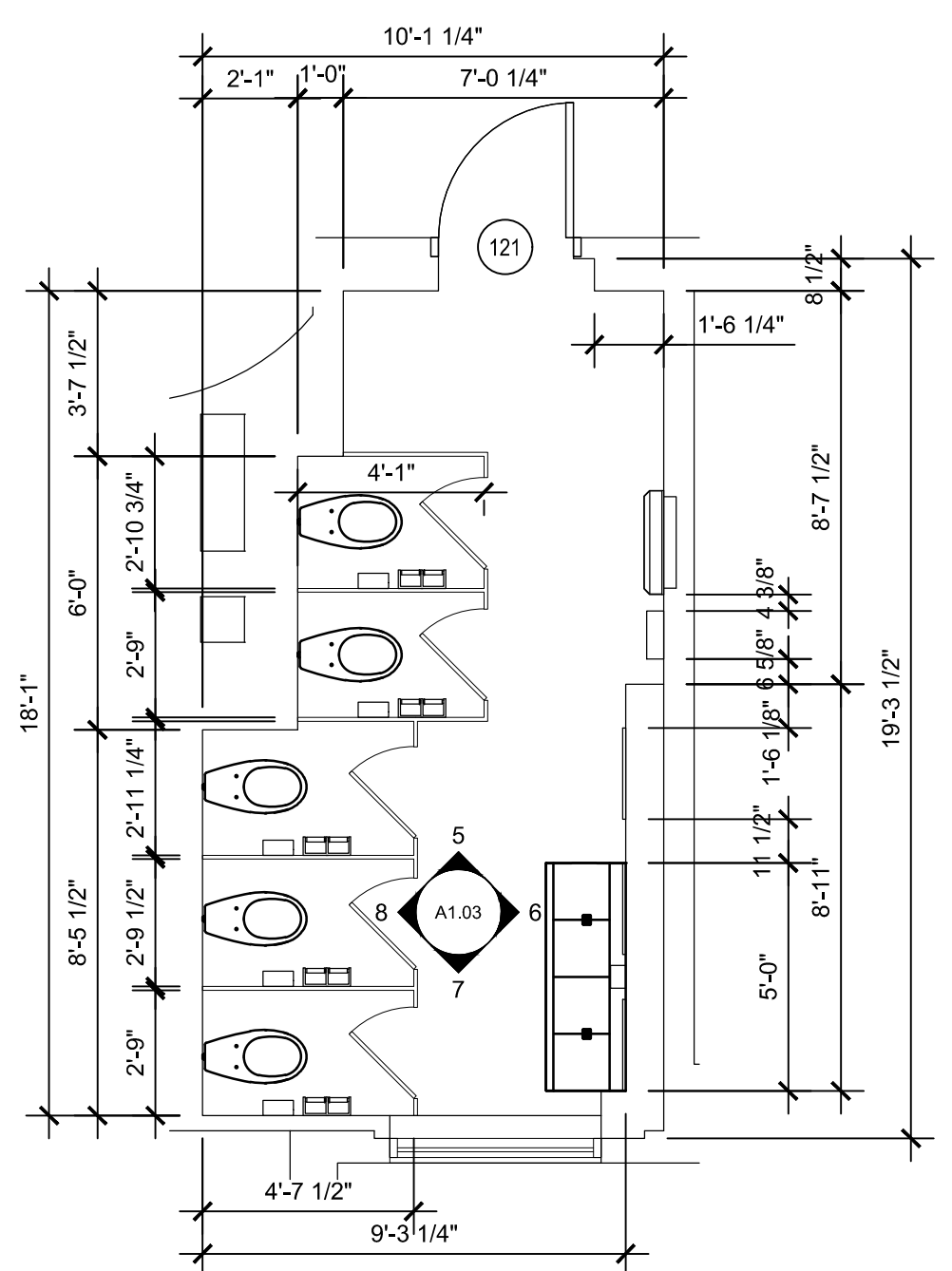
- ACT-1 (GENERAL PURPOSE USE) SQUARE LAY-IN TILE. TILE SIZE 24"x48"x3/4" BY ROCKFON OR APP. EQ.
- ACT-2 (GENERAL IMPACT RESISTANT) SQUARE LAY-IN TILE. TILE SIZE 24"x24"x3/4" BY ROCKFON OR APP. EQ.

REFLECTED CEILING NOTES

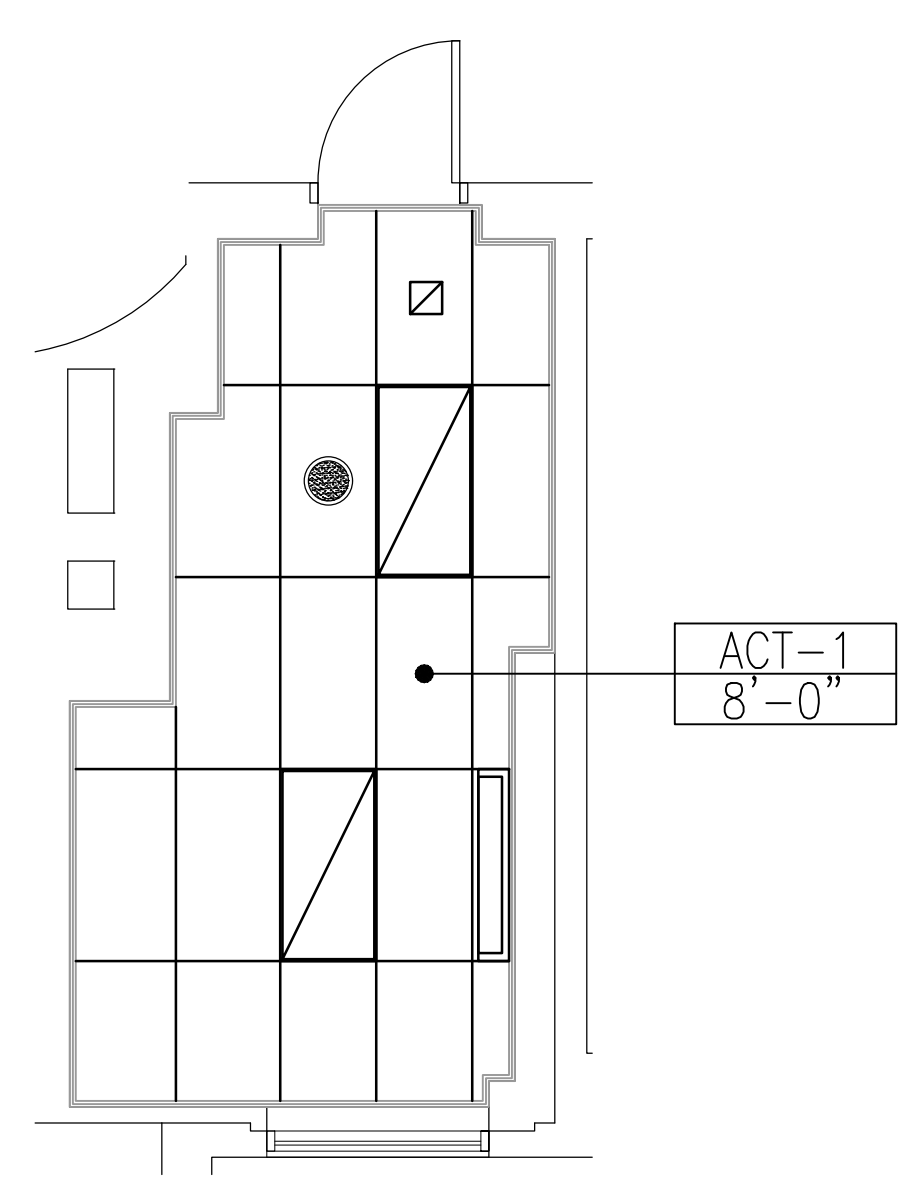
- REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.
- ALL INDICATED CEILING HEIGHTS ARE FROM TOP OF FINISHED FLOOR.
- IF SHOWN, ARCHITECTURAL DRAWINGS SHALL DICTATE LOCATIONS OF LIGHT FIXTURES, GRILLS/DIFFUSERS, ETC.
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- FURNISH AND INSTALL ALL NECESSARY ACCESSORIES INCLUDING PERIMETER MOLDINGS, FASTENERS, SUPPORT WIRES, TRIM, ETC., TO INSURE COMPLETE INSTALLATION OF SYSTEM.
- UNLESS OTHERWISE NOTED, CEILING GRIDS ARE TO BE CENTERED WITHIN THE SPACES SHOWN WITH EQUAL CEILING TILE CUTS ON EACH END.



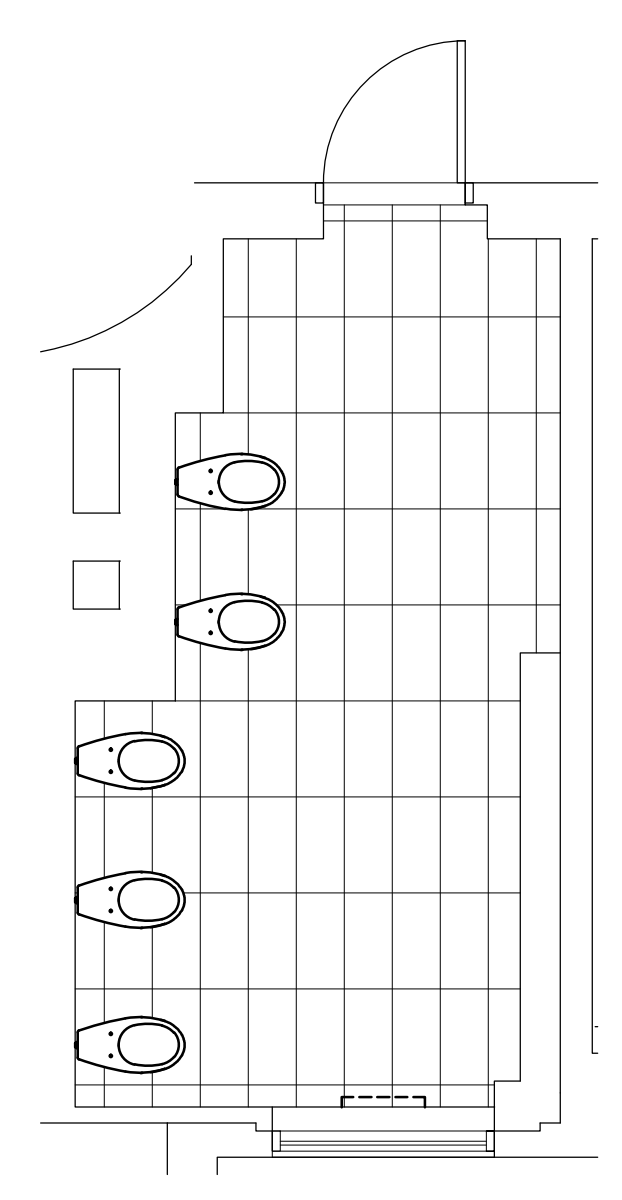
121 - GIRLS
DEMOLITION PLAN
A1.03 1/4" = 1'-0"



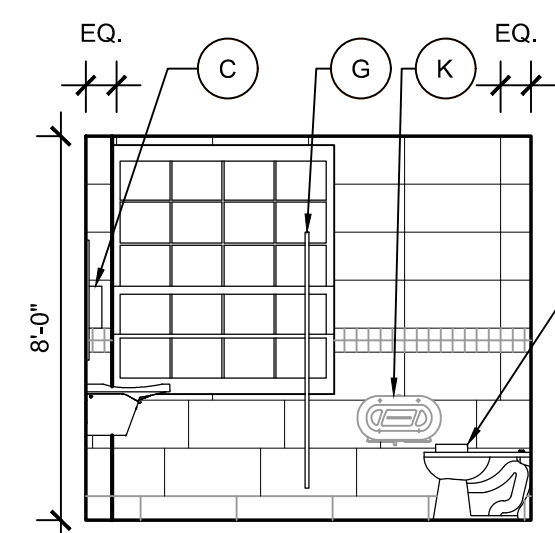
121 - GIRLS
PROPOSED PLAN
NOTE: THIS IS AN EXISTING TOILET ROOM NON-ADA COMPLIANT.
A1.03 1/4" = 1'-0"



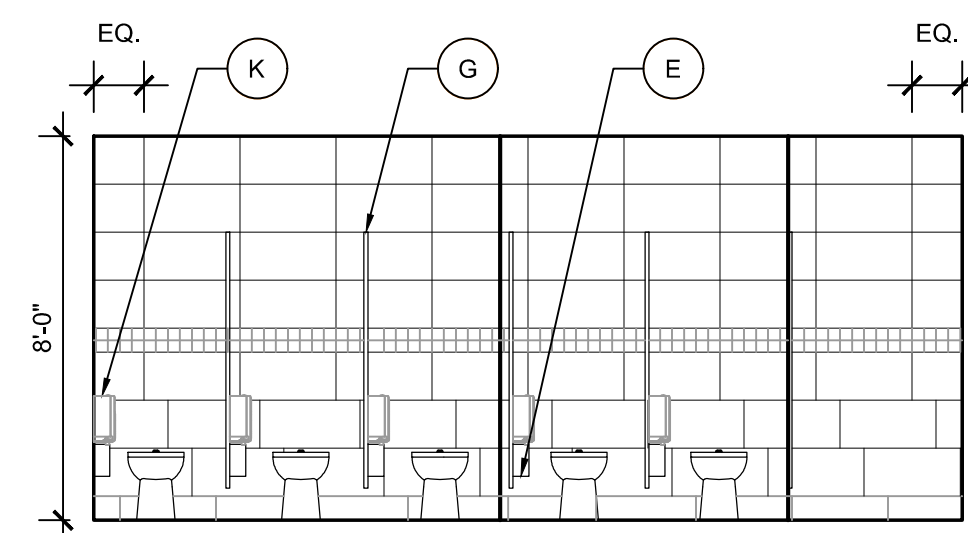
121 - GIRLS
REFLECTED CEILING PLAN
A1.03 1/4" = 1'-0"



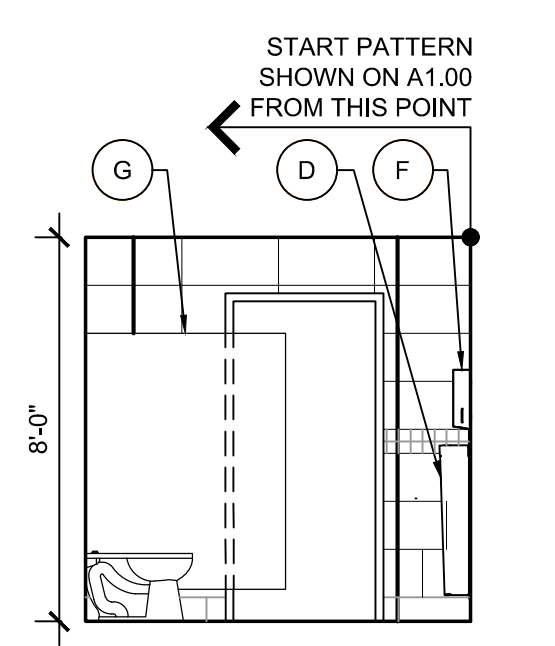
121 - GIRLS
FINISH FLOOR PLAN
A1.03 1/4" = 1'-0"



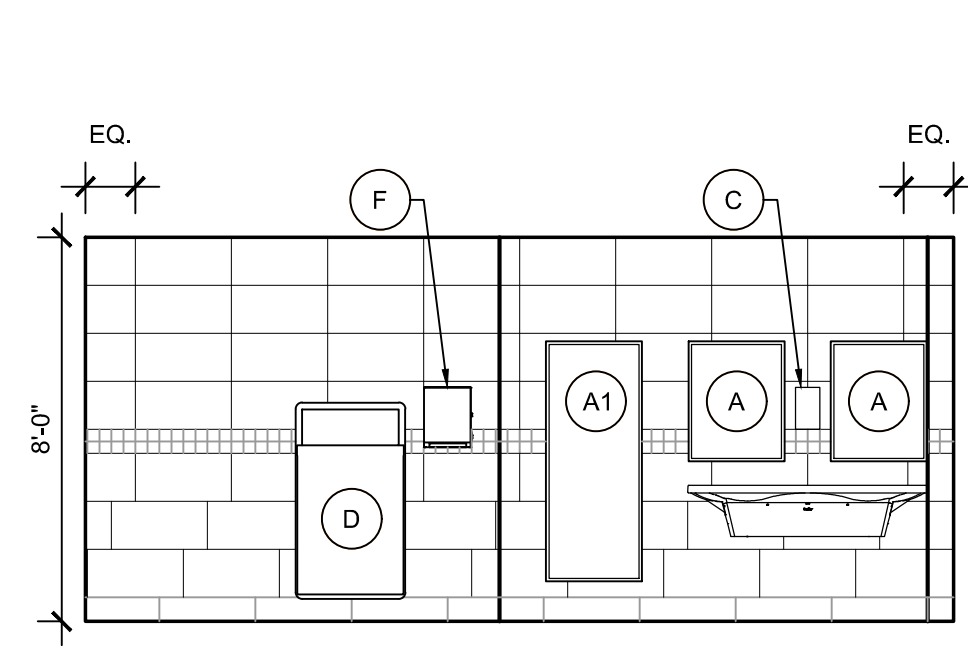
121 - GIRLS
INTERIOR ELEVATION
A1.03 1/4" = 1'-0"



121 - GIRLS
INTERIOR ELEVATION
A1.03 1/4" = 1'-0"



121 - GIRLS
INTERIOR ELEVATION
A1.03 1/4" = 1'-0"



121 - GIRLS
INTERIOR ELEVATION
A1.03 1/4" = 1'-0"

NJ Certificate of Authorization
Eng. No. 24047937500
Arch. No. 21AC00012400
Date 12/14/2022
Checked RS
Drawn CP

RONALD W. SCHWENKE III, R.A.
REGISTERED ARCHITECT
License No. NJZ1402051300

Revisions:

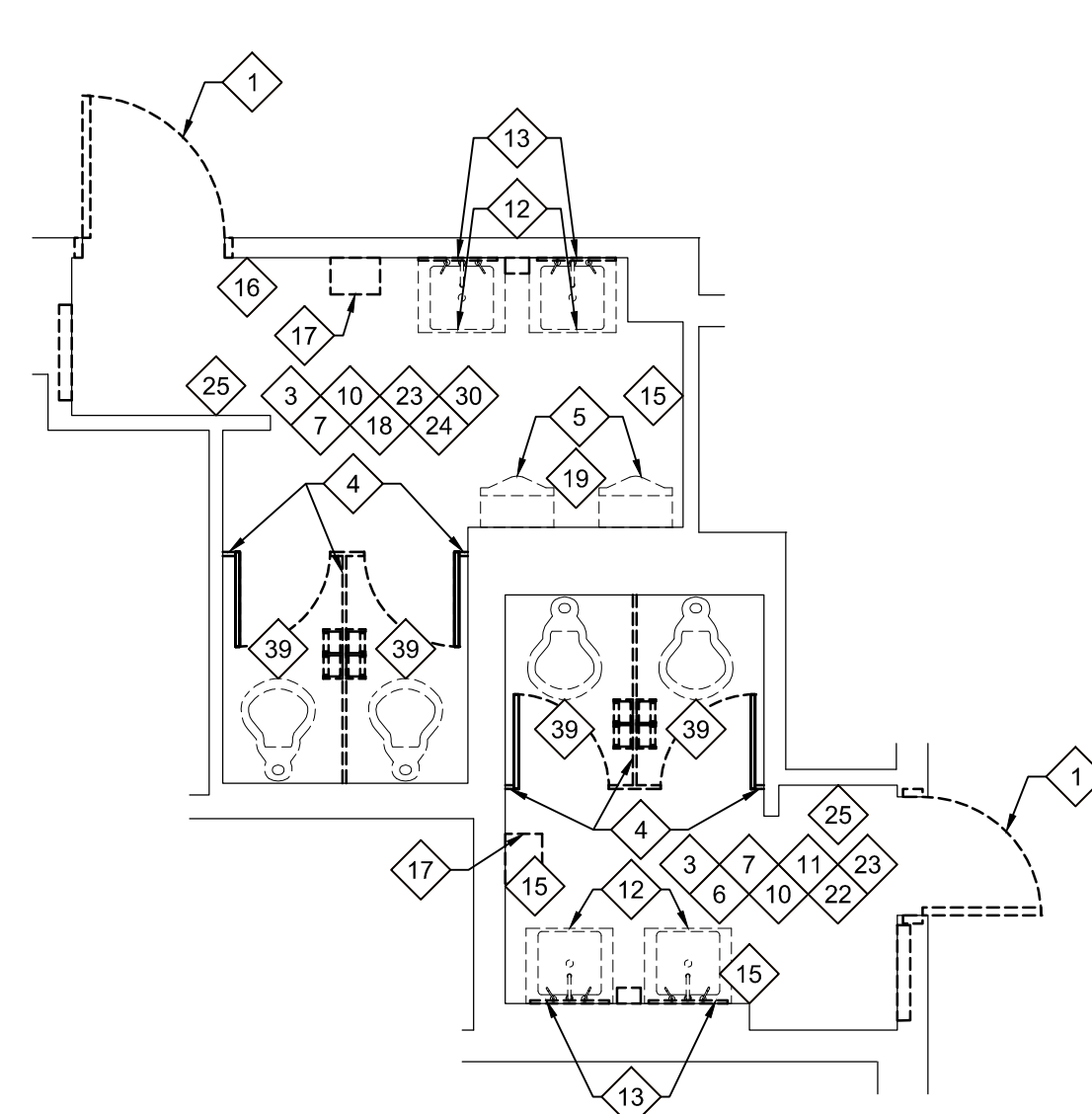
Set Issue: 12-14-2022 ISSUED FOR BID

LAN ASSOCIATES
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PLANS & INTERIOR ELEVATIONS- 1st FLOOR
TOILET RENOVATIONS at
ELIZABETH HADDON ELEMENTARY SCHOOL
501 WEST REDMAN AVENUE
HADDONFIELD, NJ, 08033

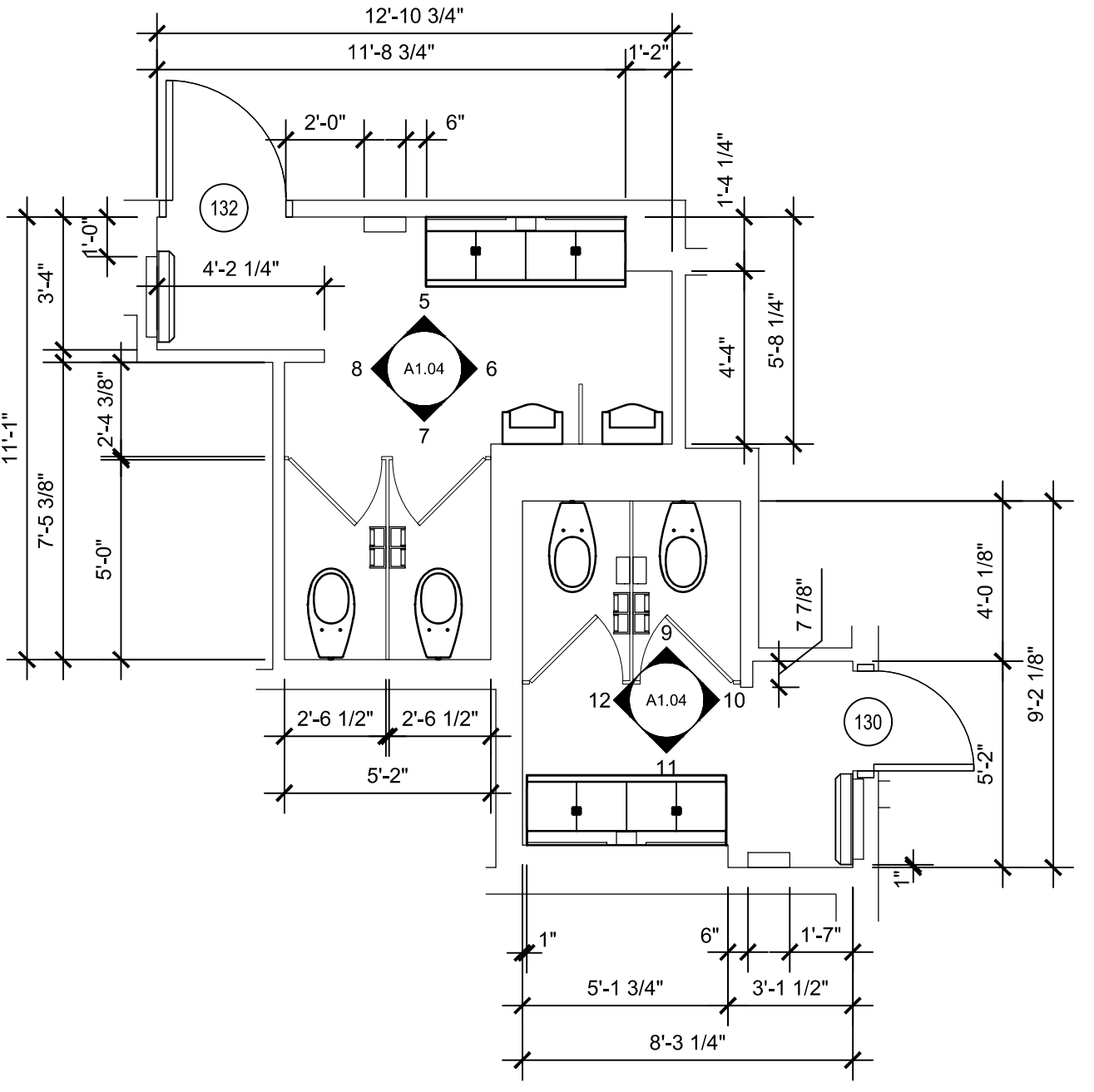
State Project #: 1900-080-22-1000
Job No. 20277.14
File No.

A1.03



**132-BOYS & 130-GIRLS
DEMOLITION PLANS**

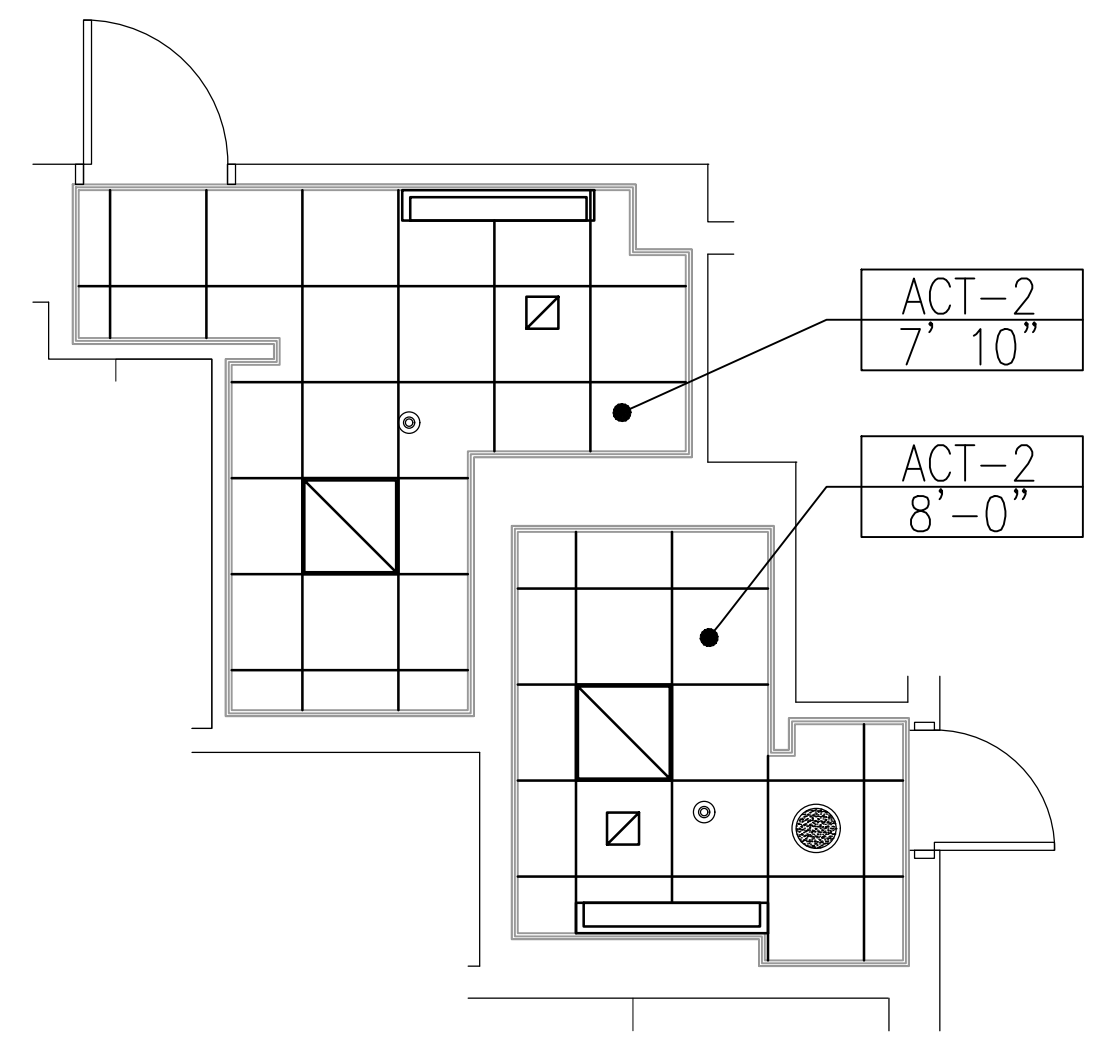
1
A1.04
1/4" = 1'-0"



**132-BOYS & 130-GIRLS
PROPOSED PLAN**

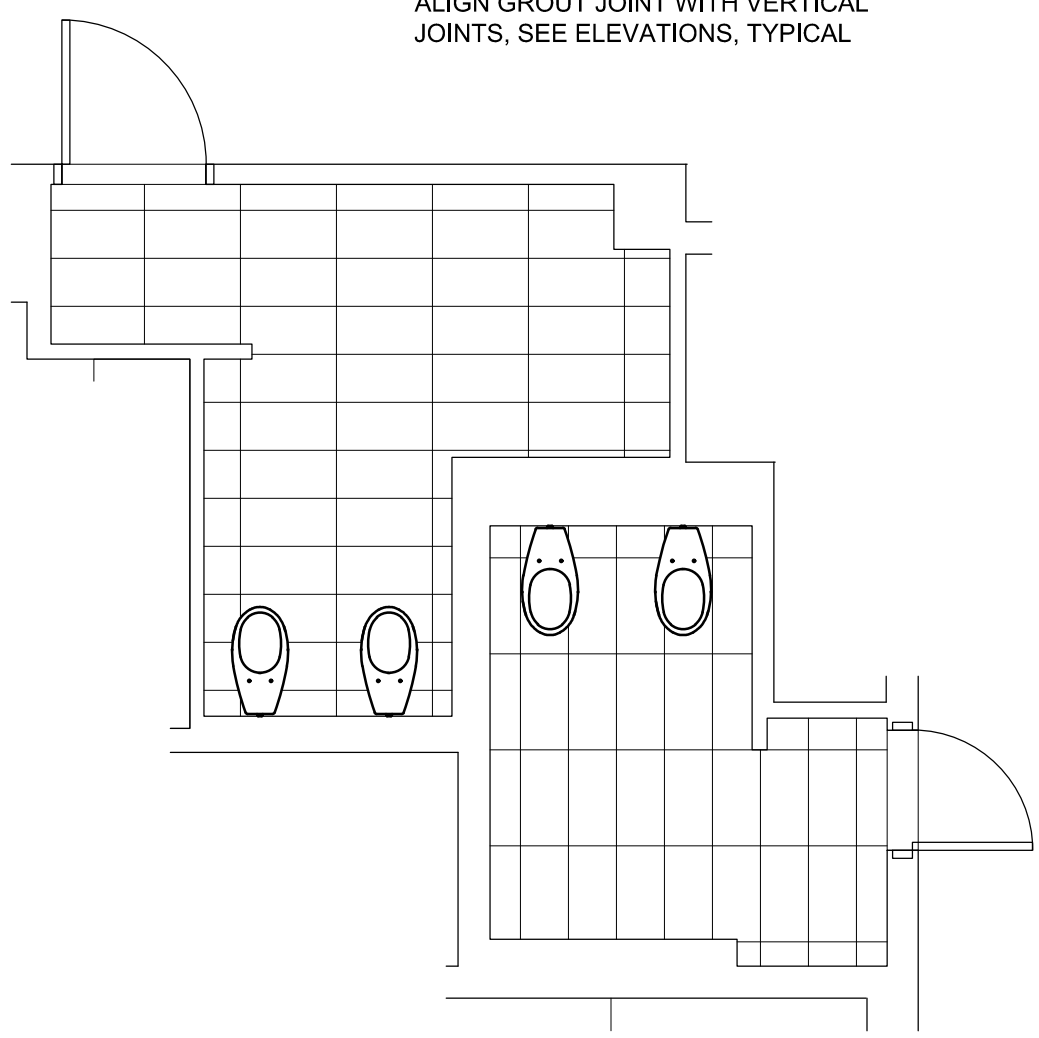
2
A1.04
1/4" = 1'-0"

NOTE:
ALIGN GROUT JOINT WITH VERTICAL
JOINTS, SEE ELEVATIONS, TYPICAL



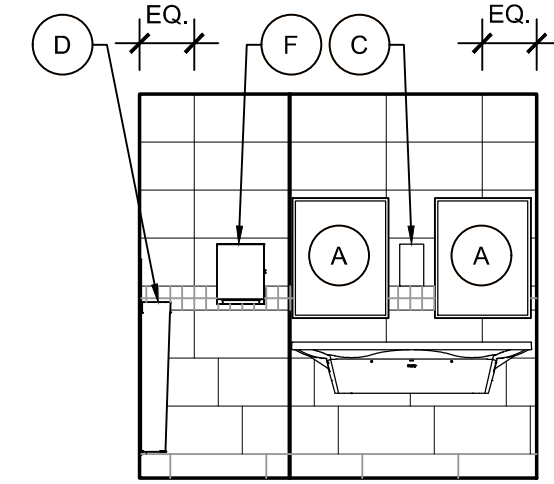
**132-BOYS & 130-GIRLS
REFLECTED CEILING PLAN**

3
A1.04
1/4" = 1'-0"



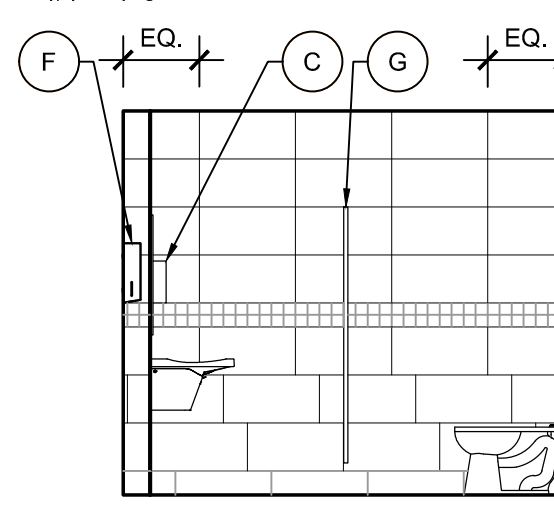
**132-BOYS & 130-GIRLS
FINISH FLOOR PLAN**

4
A1.04
1/4" = 1'-0"



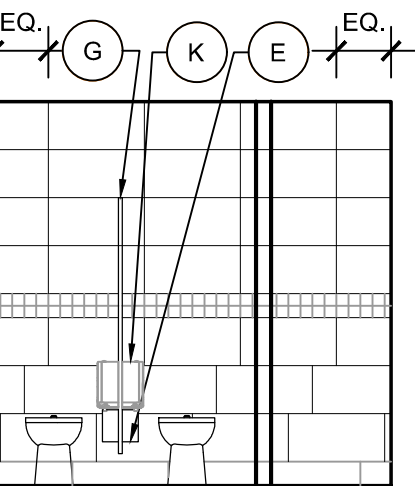
**130 - GIRLS
INTERIOR ELEVATION**

11
A1.04
1/4" = 1'-0"



**130 - GIRLS
INTERIOR ELEVATION**

12
A1.04
1/4" = 1'-0"



**130 - GIRLS
INTERIOR ELEVATION**

9
A1.04
1/4" = 1'-0"

Toilet Accessory Schedule

- (A) "BRADLEY" GLASS MIRROR WITH STAINLESS STEEL CHANNEL FRAME MODEL 781-2436, 24"x36"
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- (G) "BOBRICK" DURALINESERIES COMPACT GRADE LAMINATE PARTITION, 1081 SERIES PAINTED "WILSON ART" - NIGHTFALL #502K-19 LENO WEAVE FINISH
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- (J) "BOBRICK" WALL MOUNTED STAINLESS STEEL GRAB BAR SERIES B-6806, 18" LENGTH (VERTICAL INSTALLATION), 1/2" Ø PEENED NON-SLIP GRIPPING SURFACE WITH POLISHED FLANGE.
- (K) "BOBRICK" SURFACE MOUNTED TWIN JUMBO-ROLL TOILET TISSUE DISPENSER, B2892
- (L) "BROWNLEE" SURFACE MOUNTED FLOW SQ MINI, MODEL 1265

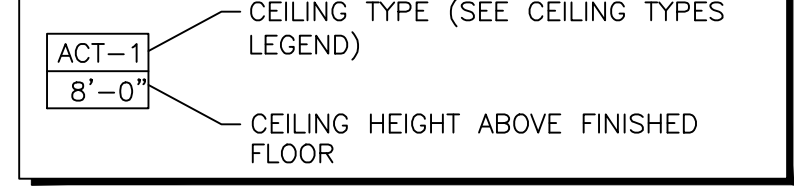
Demolition Key Notes

- 1 REMOVE EXISTING WOOD DOOR AND ASSOCIATED HARDWARE. EXISTING DOOR FRAME TO REMAIN TYP. CONTRACTOR TO PREPARE DOOR FRAME TO RECEIVE NEW FINISH AND HARDWARE AS SCHEDULED. CONTRACTOR TO REMOVE AND REUSE EXISTING DOOR CORE INTO NEW DOOR.
- 2 REMOVE EXISTING MARBLE DOOR THRESHOLD TYP.
- 3 CONTRACTOR TO PREPARE ALL WALL, FLOOR SURFACES, AS NEEDED TO ACCOMMODATE NEW FINISHES SHOWN ON DOCUMENTS.
- 4 REMOVE EXISTING TOILET PARTITIONS AND ASSOCIATED HARDWARE.
- 5 REMOVE EXISTING WALL MOUNTED URINALS AND ASSOCIATED HARDWARE. SEE PLUMBING.
- 6 REMOVE EXISTING SUSPENDED CEILING SYSTEM AND TILE.
- 7 REMOVE EXISTING CEILING HVAC VENTS. CONTRACTOR TO DOCUMENT SIZES TO MATCH NEW HVAC VENTS IN NEW DESIGN. SEE MECHANICAL.
- 8 REMOVE AND REINSTALL EXISTING CEILINGS MOUNTED HEATING UNIT. CONTRACTOR TO INSTALL UNIT INTO NEW SUSPENDED CEILING SYSTEM. SEE MECHANICAL.
- 9 REMOVE & REPLACE EXISTING RADIATOR COVERS. CONTRACTOR TO COORDINATE FINAL PAINT COLOR WITH ARCHITECT.
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- 11 REMOVE, REPAIR AND REINSTALL EXISTING CEILING MOUNTED SPEAKER, TYP.
- 12 REMOVE EXISTING WALL MOUNTED SINK AND ASSOCIATED HARDWARE, TYP. SEE PLUMBING.
- 13 REMOVE EXISTING WALL MOUNTED MIRROR(S) AND ASSOCIATED HARDWARE.
- 14 REMOVE EXISTING WALL MOUNTED URINAL PRIVACY SCREEN
- 15 REMOVE AND REPLACE EXISTING WALL MOUNTED EMERGENCY EXIT STROBE. SEE ELECTRICAL DWGS.
- 16 REMOVE EXISTING SPEAKER. CONTRACTOR TO COORDINATE REPLACEMENT SPEAKER WITH ARCHITECT.
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- 24 REMOVE EXISTING VINYL FLOOR TILE AS NEEDED .PREPARE SUBSTRATE FOR SCHEDULED FINISH.
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- 28 REMOVE SURFACE MOUNTED CONDUIT AND REROUTE POWER SUPPLY AS NEEDED TO ACCOMMODATE SCHEDULED FINISHES, TYP. SEE ELECTRICAL.
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- 30 REMOVE EXISTING HARD CEILING IN ITS ENTIRETY.
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- 36 REMOVE EXISTING PARTITION AS REQUIRED FOR NEW PLAN. COORDINATE WITH DOCUMENTS.
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- 38 REMOVE AND DISCARD EXISTING WALL MOUNTED SIGNAGE. PATCH AREA TO MATCH ADJACENT FINISH.
- 39 REMOVE FLOOR MOUNTED TOILETS AND SURROUNDING HARDWARE.
- 40 REMOVE EXISTING WALL MOUNTED GRAB BARS
- 41 REMOVE WOOD FRAME OPENING IN ITS ENTIRETY. CONTRACTOR TO COORDINATE THE DEMOLITION NEEDED TO ACCOMMODATE FOR NEW OPENING AS SHOWN IN DOCUMENTS.
- 42 REMOVE PORTION OF WALL TO ACCOMMODATE NEW SEMI-RECESSED TRASH RECEPTACLE.
- 43 MODIFY ROUGH-IN PLUMBING AS REQUIRED TO ACCOMMODATE NEW FIXTURE. SEE WORK PLAN.

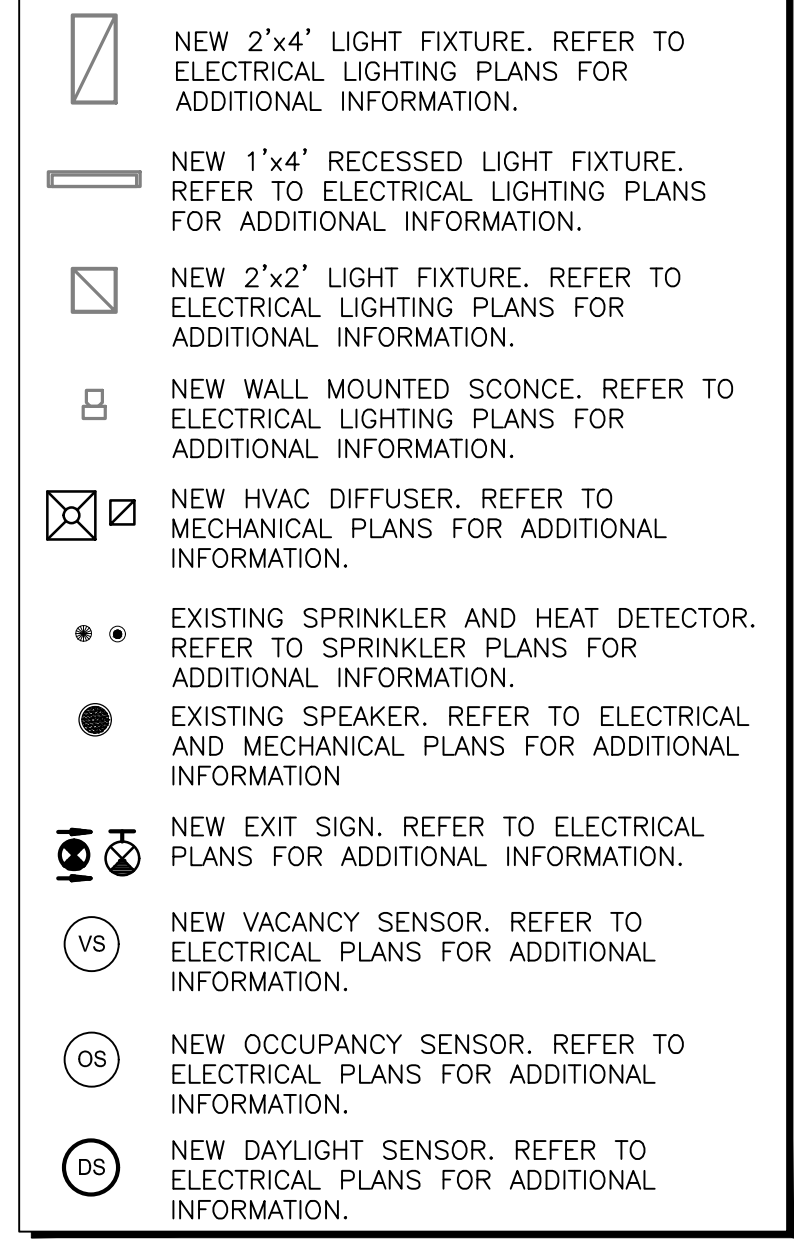
General Notes

- 1. ALL DIMENSIONS ARE FROM FACE OF FINISH MATERIALS, AND REPRESENT CLEAR AREA.
- 2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING AND PROPOSED DIMENSIONS PRIOR TO INSTALLATION/CONSTRUCTION.
- 3. WHERE REQUIRED DUE TO DEMOLITION, CONTRACTOR SHALL SATISFACTORILY PATCH, REPAIR AND OR REPLACE EXISTING CONSTRUCTION.
- 4. G.C. TO PROTECT, REPAIR & CLEAN ALL "EXISTING TO REMAIN" ITEMS AS NEEDED.
- 5. REMOVE EXISTING DOOR HARDWARE AND STORE FOR RE-USE IN NEW CONSTRUCTION.TYPICAL.
- 6. REMOVE ALL FLOOR UNDERLAYMENT AND PROPERLY PREPARE SLAB TO A LIKE NEW CONDITION AND PROPERLY PREPARE TO ACCEPT NEW SPECIFIED FLOOR FINISH.
- 7. WHERE TILE BASE IS REMOVED FROM EXISTING WALL SCHEDULED TO REMAIN, PATCH, REPAIR AND/OR REPLACE WALL AS REQUIRED TO A LIKE-NEW CONDITION.
- 8. EXISTING FIRE SAFETY DEVICES AT WALLS REMOVED BY DEMOLITION SHALL BE REINSTALLED AT ADA COMPLIANT HEIGHTS.

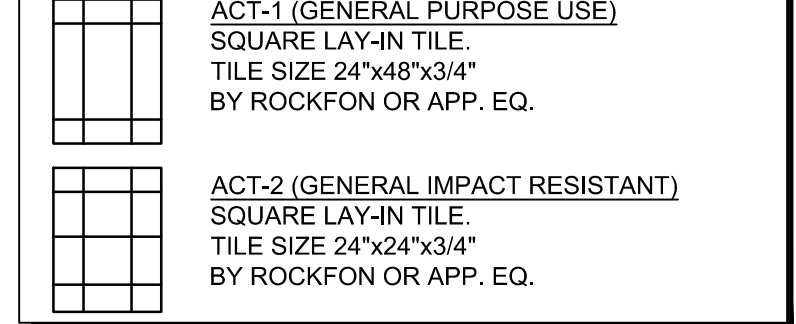
LEGEND



SYMBOL LEGEND

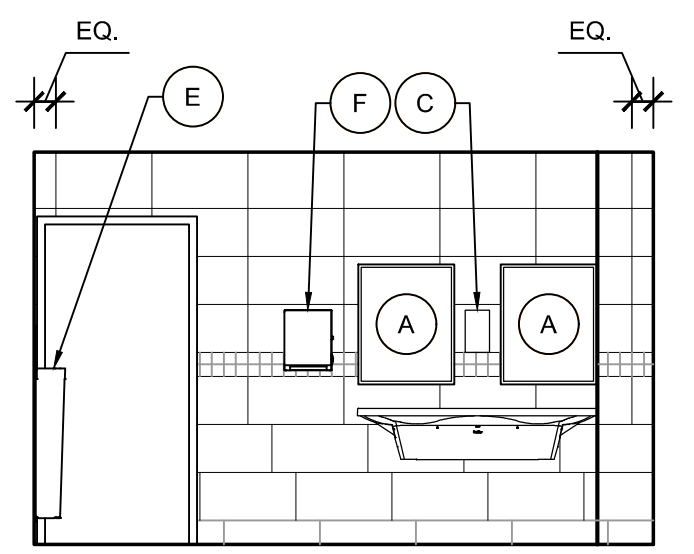


CEILING TYPES LEGEND



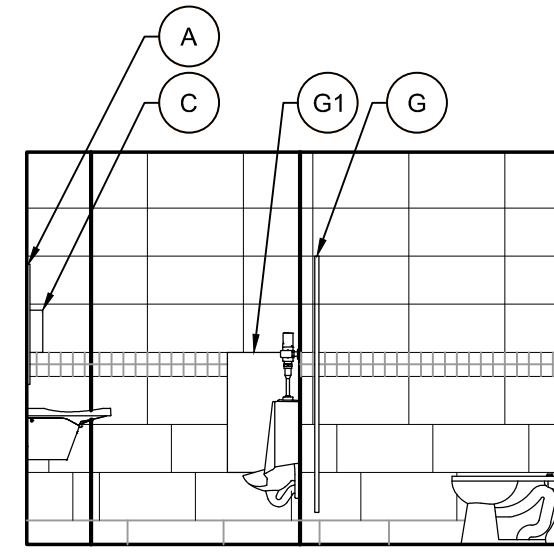
REFLECTED CEILING NOTES

- 1. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.
- 2. ALL INDICATED CEILING HEIGHTS ARE FROM TOP OF FINISHED FLOOR.
- 3. IF SHOWN, ARCHITECTURAL DRAWINGS SHALL DICTATE LOCATIONS OF LIGHT FIXTURES, GRILLS/DIFFUSERS, ETC.
- 4. ALL ACCESS PANELS, HATCHES, GYPSUM BOARD SOFFITS, BULKHEAD, GRILLS AND REGISTERS TO BE PAINTED TO MATCH CEILING FINISHES.
- 5. FURNISH AND INSTALL ALL NECESSARY ACCESSORIES INCLUDING PERIMETER MOLDINGS, FASTENERS, SUPPORT WIRES, TRIM, ETC., TO INSURE COMPLETE INSTALLATION OF SYSTEM.
- 6. UNLESS OTHERWISE NOTED, CEILING GRIDS ARE TO BE CENTERED WITHIN THE SPACES SHOWN WITH EQUAL CEILING TILE CUTS ON EACH END.



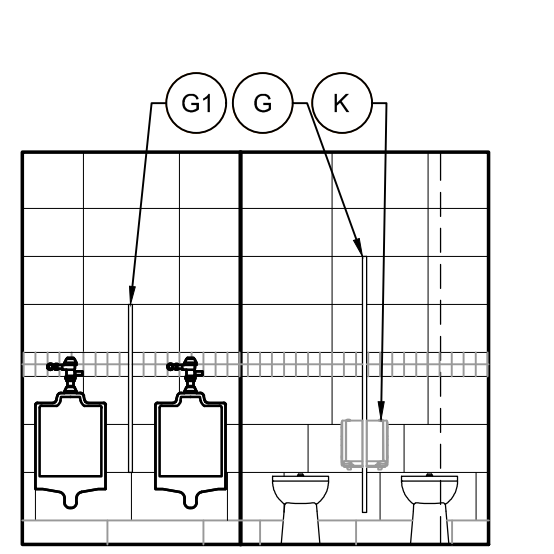
**132-BOYS
INTERIOR ELEVATION**

5
A1.04
1/4" = 1'-0"



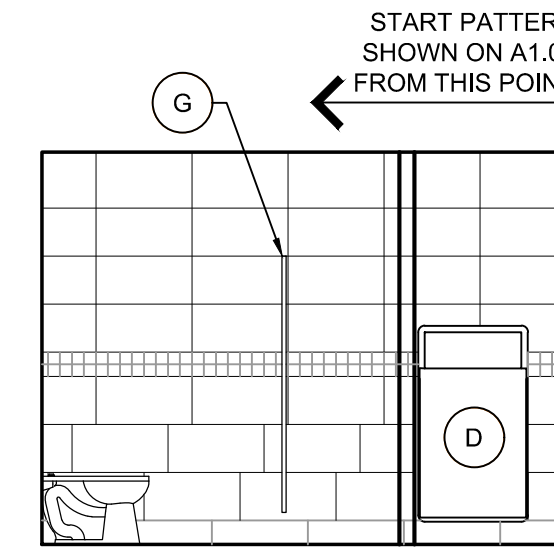
**132-BOYS
INTERIOR ELEVATION**

6
A1.04
1/4" = 1'-0"



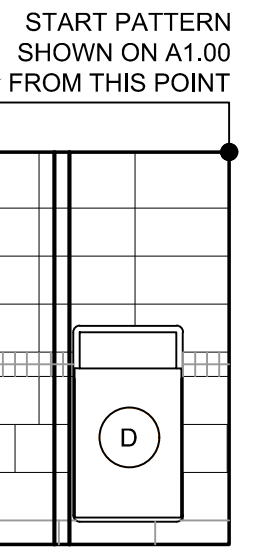
**132-BOYS
INTERIOR ELEVATION**

7
A1.04
1/4" = 1'-0"



**132-BOYS
INTERIOR ELEVATION**

8
A1.04
1/4" = 1'-0"



**132-BOYS
INTERIOR ELEVATION**

START PATTERN SHOWN ON A1.00 FROM THIS POINT

NJ Certificate of Authorization
 Eng. No. 24047937500
 Arch. No. 21AC00012400
 Date 12/14/2022
 Checked RS
 Drawn CP

Revisions:

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 THE REGISTERED ARCHITECT
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LAN ASSOCIATES
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PLANS & INTERIOR ELEVATIONS- 1st FLOOR
 TOILET RENOVATIONS OF
 ELIZABETH HADDON ELEMENTARY SCHOOL
 501 WEST REDMAN AVENUE
 HADDONFIELD NJ, 08033

State Project #: 1900-080-22-1000
 Job No. 20277.14
 File No.

A1.04

NOTE:
REFER TO A1.04 FOR TOILET
ACCESSORY SCHEDULE

Demolition Key Notes

- 1 REMOVE EXISTING WOOD DOOR AND ASSOCIATED HARDWARE. EXISTING DOOR FRAME TO REMAIN TYP. CONTRACTOR TO PREPARE DOOR FRAME TO RECEIVE NEW FINISH AND HARDWARE AS SCHEDULED. CONTRACTOR TO REMOVE AND REUSE EXISTING DOOR CORE INTO NEW DOOR.
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LEGEND

- ACT-1
8'-0" CEILING TYPE (SEE CEILING TYPES LEGEND)
- CEILING HEIGHT ABOVE FINISHED FLOOR

SYMBOL LEGEND

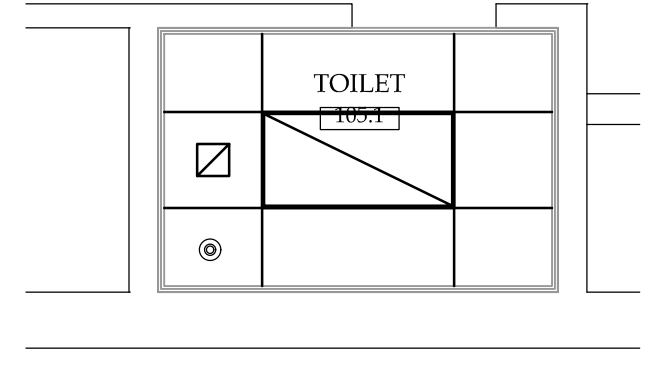
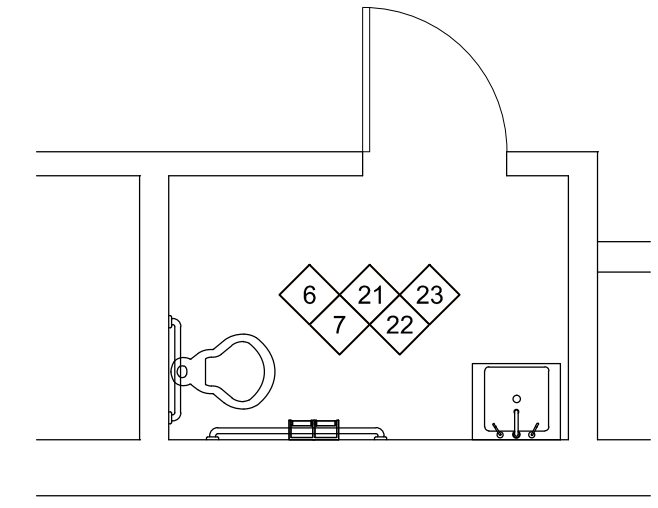
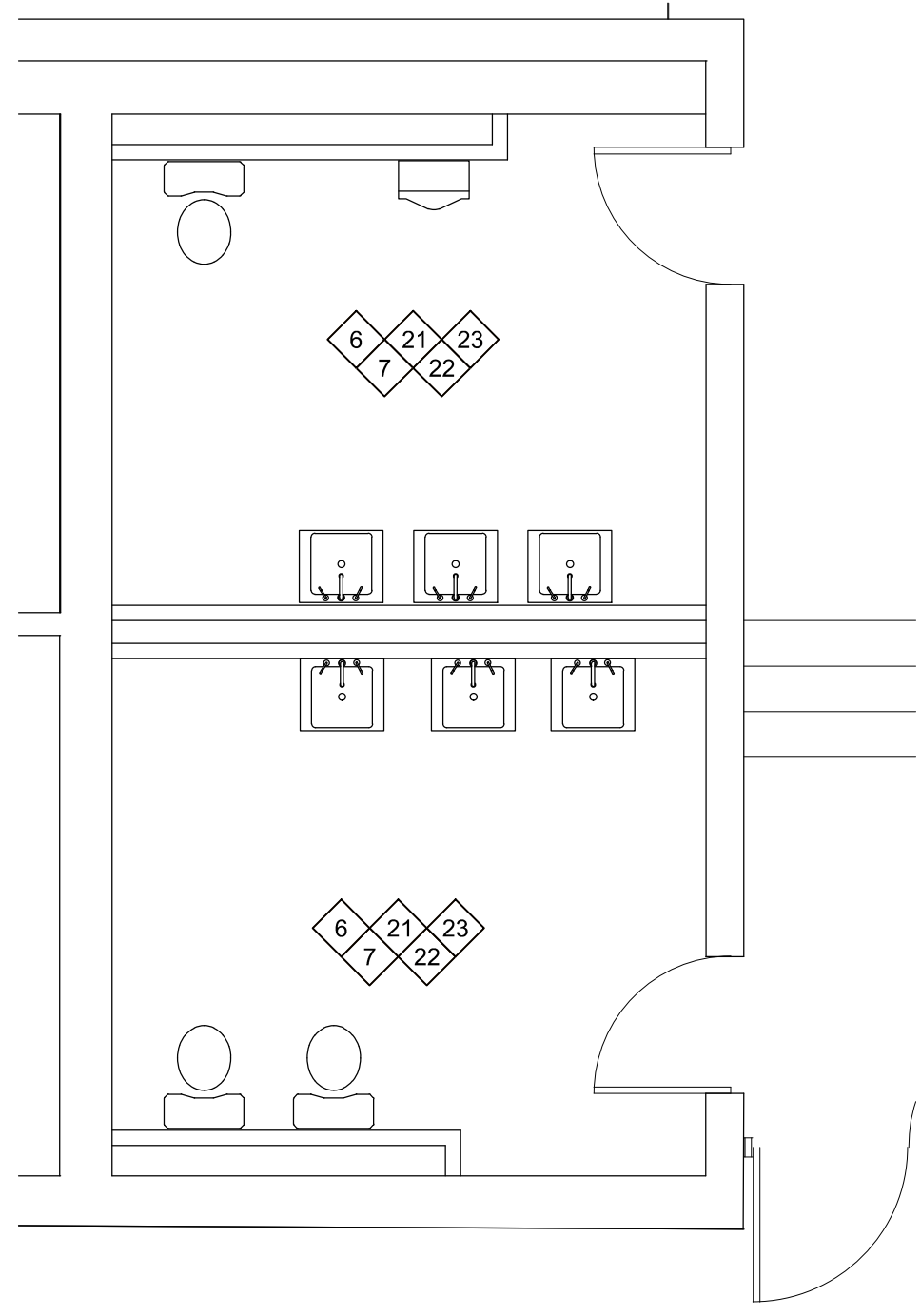
- NEW 2'x4' LIGHT FIXTURE. REFER TO ELECTRICAL LIGHTING PLANS FOR ADDITIONAL INFORMATION.
- NEW 1'x4' RECESSED LIGHT FIXTURE. REFER TO ELECTRICAL LIGHTING PLANS FOR ADDITIONAL INFORMATION.
- NEW 2'x2' LIGHT FIXTURE. REFER TO ELECTRICAL LIGHTING PLANS FOR ADDITIONAL INFORMATION.
- NEW WALL MOUNTED SCENCE. REFER TO ELECTRICAL LIGHTING PLANS FOR ADDITIONAL INFORMATION.
- NEW HVAC DIFFUSER. REFER TO MECHANICAL PLANS FOR ADDITIONAL INFORMATION.
- EXISTING SPRINKLER AND HEAT DETECTOR. REFER TO SPRINKLER PLANS FOR ADDITIONAL INFORMATION.
- EXISTING SPEAKER. REFER TO ELECTRICAL AND MECHANICAL PLANS FOR ADDITIONAL INFORMATION.
- NEW EXIT SIGN. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- NEW VACANCY SENSOR. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- NEW OCCUPANCY SENSOR. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- NEW DAYLIGHT SENSOR. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.

CEILING TYPES LEGEND

- ACT-1 (GENERAL PURPOSE USE)
SQUARE LAY-IN TILE.
TILE SIZE 24"x48"x3/4"
BY ROCKFON OR APP. EQ.
- ACT-2 (GENERAL IMPACT RESISTANT)
SQUARE LAY-IN TILE.
TILE SIZE 24"x24"x3/4"
BY ROCKFON OR APP. EQ.

REFLECTED CEILING NOTES

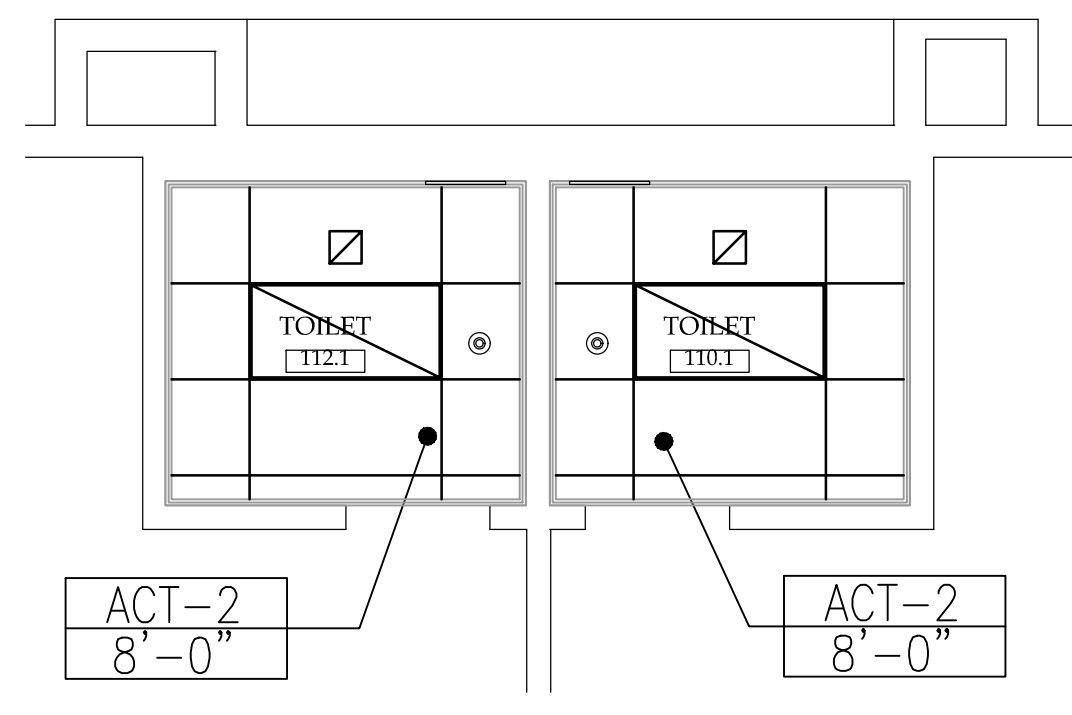
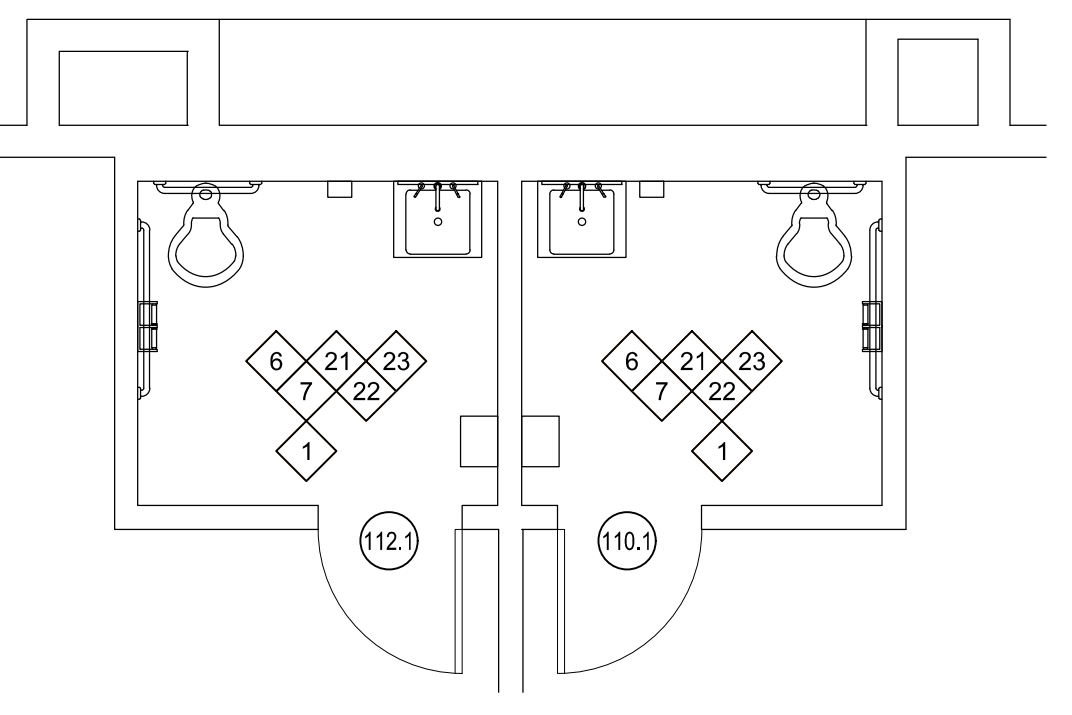
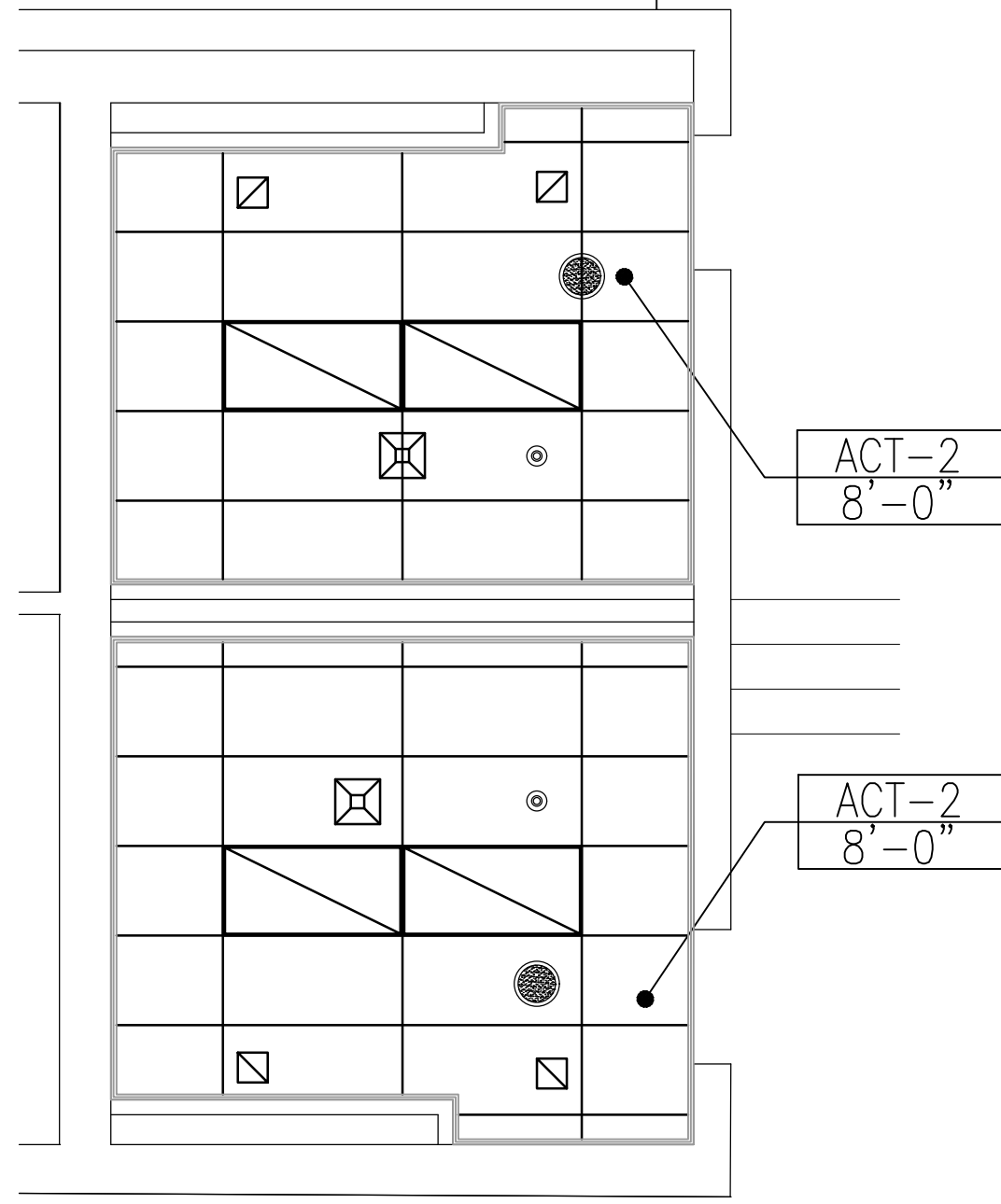
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**105.1 NURSE TOILET
DEMOLITION PLANS**

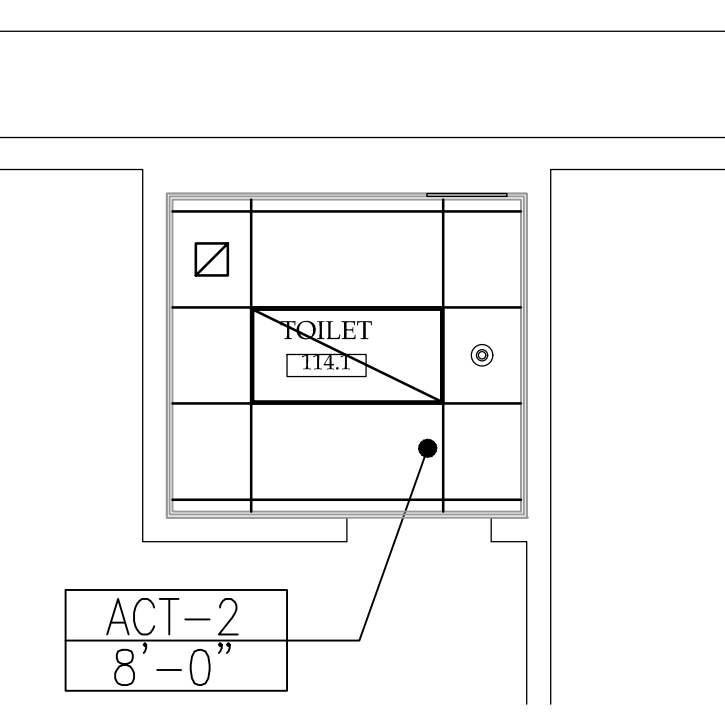
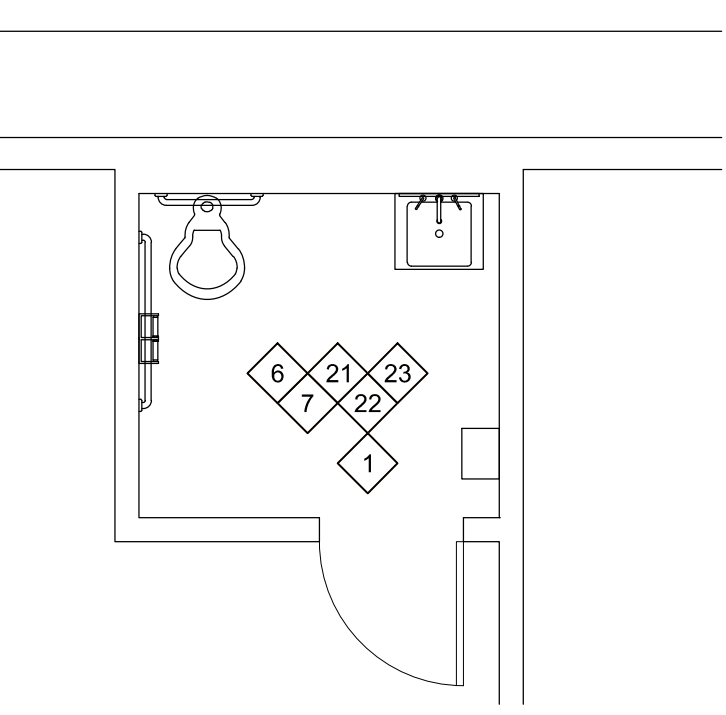
**105.1 NURSE TOILET
REFLECTED CEILING PLAN**

**126 BOYS & 127 GIRLS TOILET
DEMOLITION PLANS**



**110.1 & 112.1 CLASS TOILETS
DEMOLITION PLANS**

**110.1 & 112.1 CLASS TOILETS
REFLECTED CEILING PLAN**



**114.1 CLASS TOILET
DEMOLITION PLANS**

**114.1 CLASS TOILET
REFLECTED CEILING PLAN**

**126 BOYS & 127 GIRLS TOILET
REFLECTED CEILING PLAN**

NJ Certificate of Authorization
 Eng. No. 24047937500
 Arch. No. 21AC00012400
 Date 12/14/2022
 Checked RS
 Drawn CP

Revisions:

RONALD W. SCHWENKE III, R.A.
 LICENSE NO. NJZ1A02051300
 REGISTERED ARCHITECT

LAN ASSOCIATES
 engineering • planning • architecture • surveying
 1018 LAUREL OAK ROAD, SUITE 111, VOORHEES, NJ 08043 T. 856-375-2701

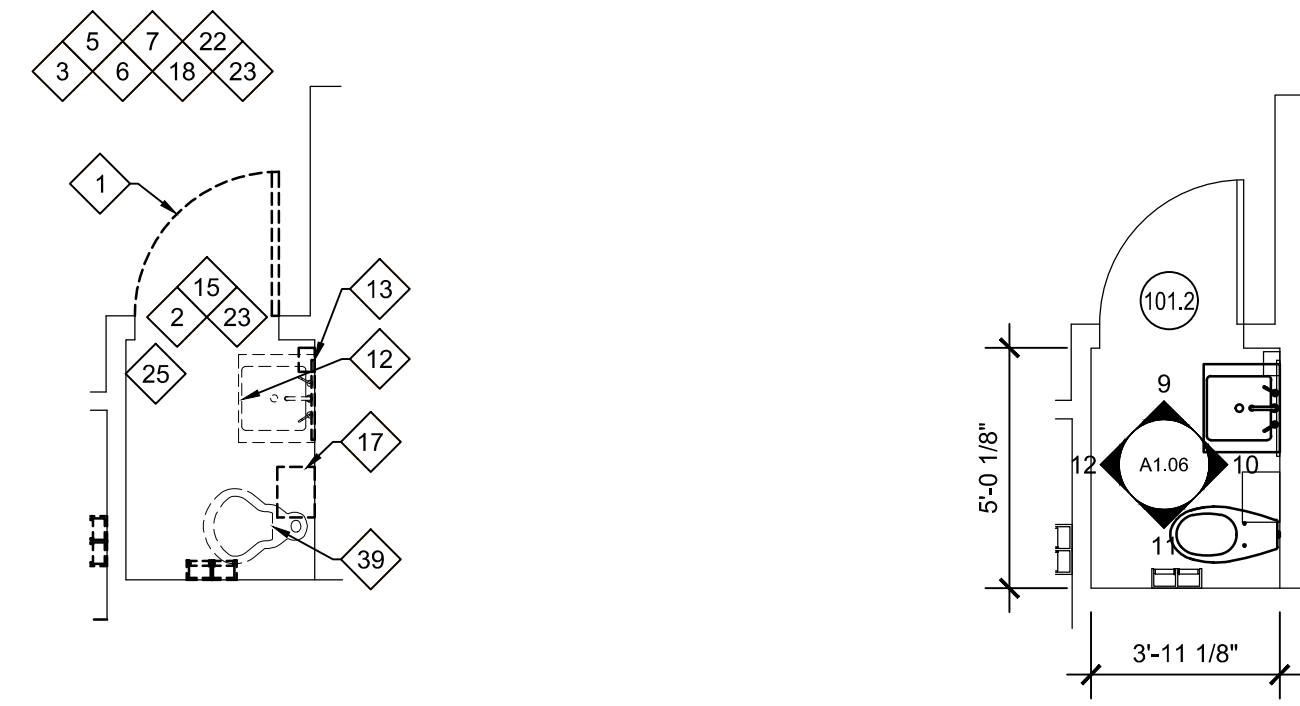
PLANS & INTERIOR ELEVATIONS- 1st FLOOR
 TOILET RENOVATIONS at
 ELIZABETH HADDON ELEMENTARY SCHOOL
 501 WEST REDMAN AVENUE
 HADDONFIELD NJ, 08033

State Project #: 1900-080-22-1000
 Job No. 20277.14
 File No.

A1.05

1
2
3
4
5
6
7
8
9
10
11

A B C D E F G H J K L M N O



101.2 - CLASS
DEMOLITION PLAN

101.2 - CLASS
PROPOSED WORK PLAN

1
A1.02 1/4" = 1'-0"

2
A1.02 1/4" = 1'-0"



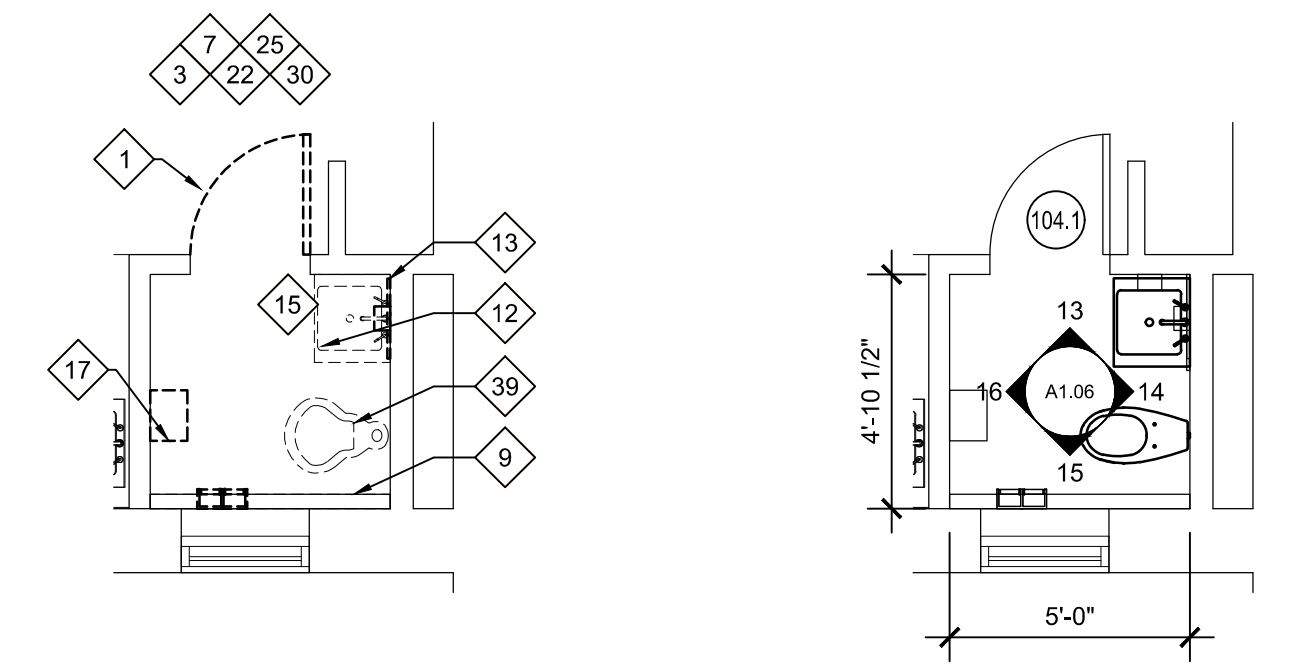
101.2 - CLASS
REFLECTED CEILING PLAN

101.2 - CLASS
FINISH FLOOR PLAN

3
A1.06 1/4" = 1'-0"

4
A1.06 1/4" = 1'-0"

NOTE:
ALIGN GROUT JOINT WITH VERTICAL
JOINTS, SEE ELEVATIONS, TYPICAL

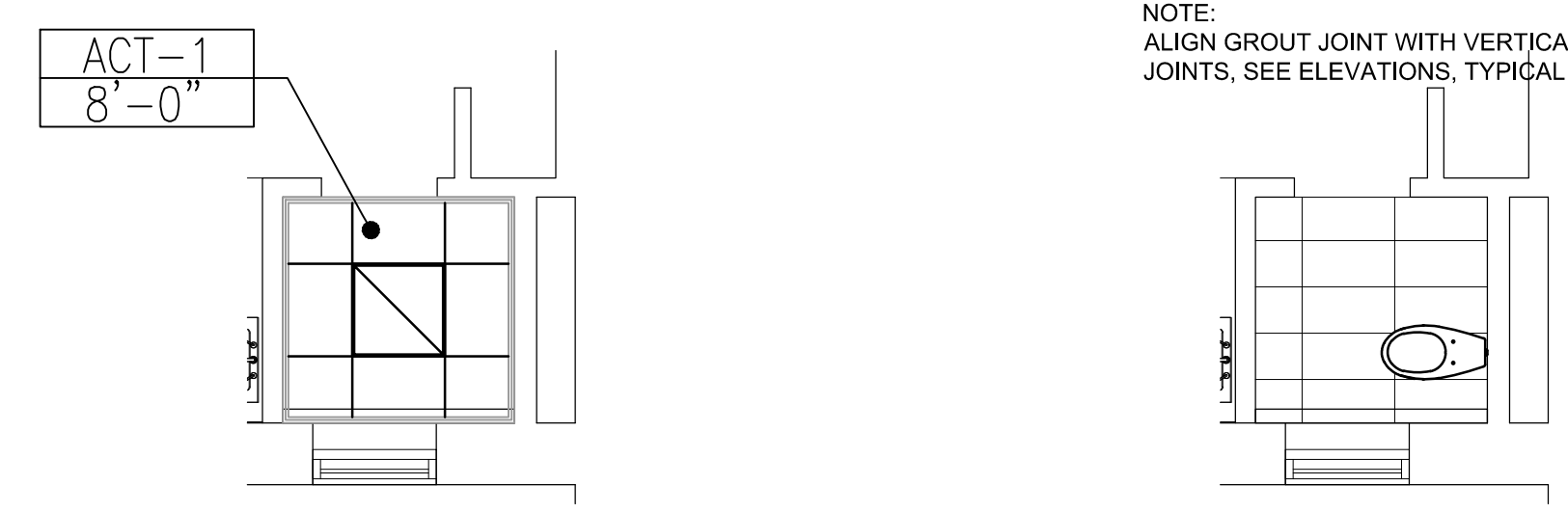


104.1 - CLASS
DEMOLITION PLAN

104.1 - CLASS
PROPOSED WORK PLAN

5
A1.06 1/4" = 1'-0"

6
A1.06 1/4" = 1'-0"



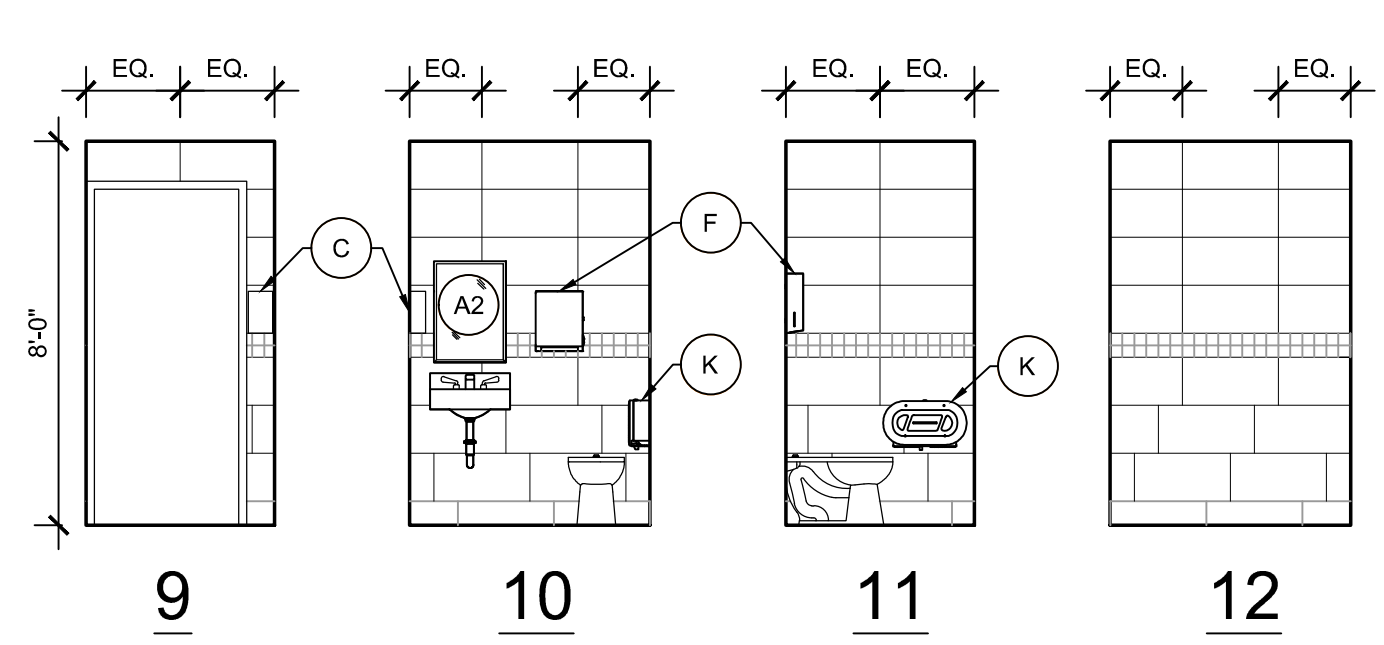
104.1 - CLASS
REFLECTED CEILING PLAN

104.1 - CLASS
FINISH FLOOR PLAN

7
A1.06 1/4" = 1'-0"

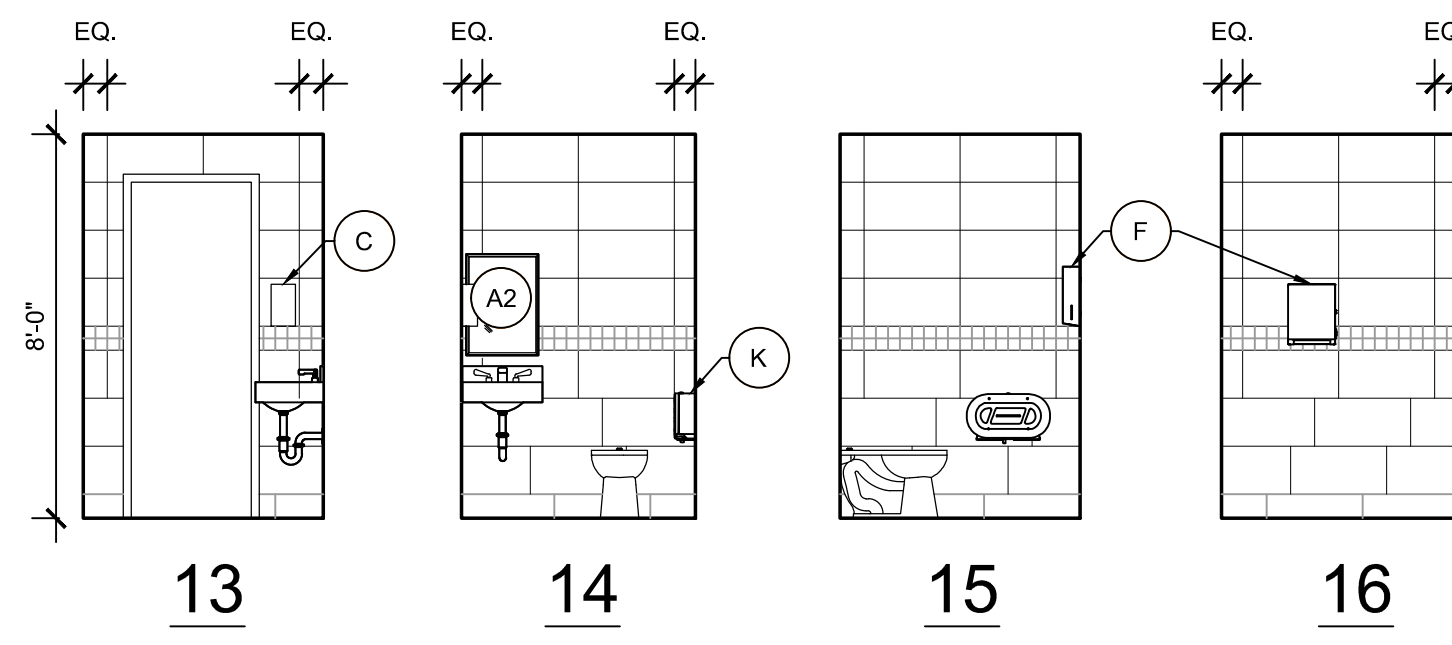
8
A1.06 1/4" = 1'-0"

NOTE:
ALIGN GROUT JOINT WITH VERTICAL
JOINTS, SEE ELEVATIONS, TYPICAL



101.2 - CLASS INTERIOR ELEVATIONS

1/4" = 1'-0"



104.1 - CLASS INTERIOR ELEVATIONS

1/4" = 1'-0"

Toilet Accessory Schedule

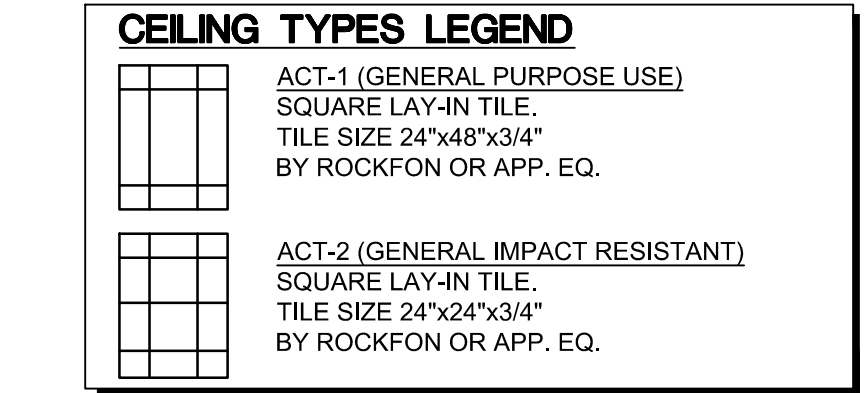
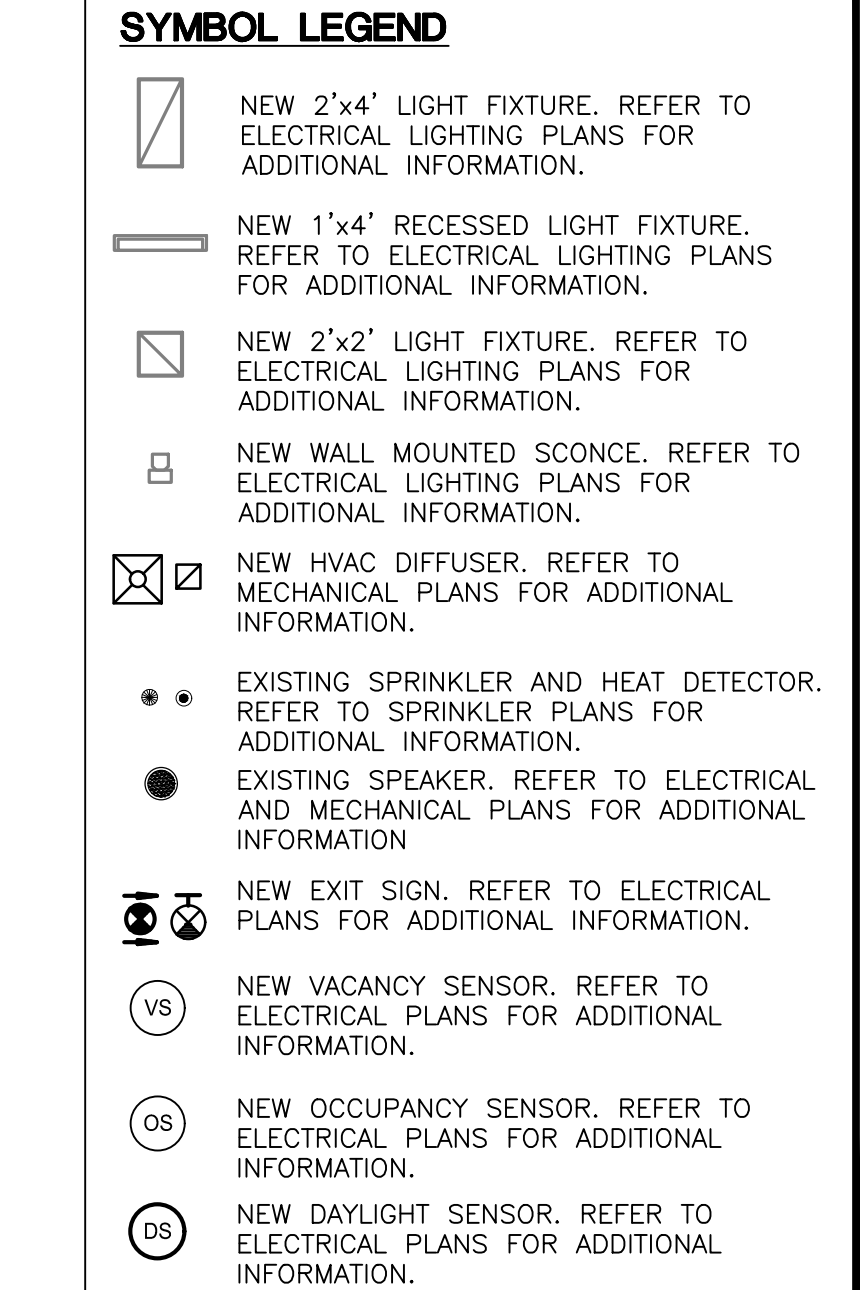
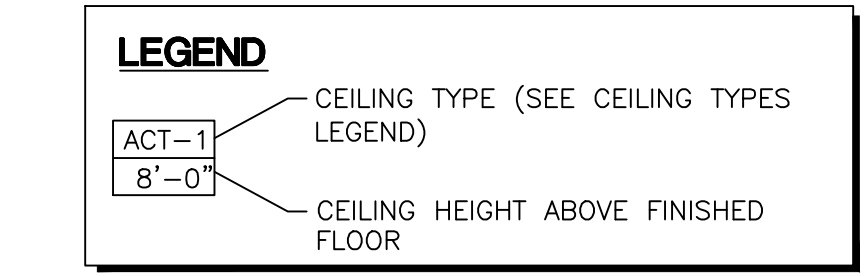
A	"BRADLEY" GLASS MIRROR WITH STAINLESS STEEL CHANNEL FRAME MODEL 781-2436, 24"x36"
A1	"BRADLEY" GLASS MIRROR WITH STAINLESS STEEL CHANNEL FRAME MODEL 781-2460, 24"x72"
A2	"BRADLEY" GLASS MIRROR WITH STAINLESS STEEL CHANNEL FRAME MODEL 781-1824, 18"x24"
B	"EXCEL" BRUSHED STAINLESS STEEL XLERATOR HAND DRYER, MODEL XL-SB
C	"RENOWN" 1,200 ML NICKEL TOUCH-FREE FOAM HAND SOAP DISPENSER, REN02536
D	"BRADLEY" 12 GALLON RECESSED DIPLOMAT WASTE RECEPTACLE, MODEL 3A05
D1	"BRADLEY" 12 GALLON SEMI-RECESSED DIPLOMAT WASTE RECEPTACLE, MODEL 3A05-10
E	"BRADLEY" PARTITION MOUNTED SANITARY PRODUCT DISPOSAL UNIT, DIPLOMAT SERIES MODEL 4A11
F	"BOBRICK" CLASSICSERIES SURFACE MOUNTED PAPER TOWEL DISPENSER, B-2620
G	"BOBRICK" DURALINESERIES COMPACT GRADE LAMINATE PARTITION, 1081 SERIES PAINTED "WILSON ART" - NIGHTFALL #502K-19 LENO WEAVE FINISH
G1	"BOBRICK" DURALINESERIES COMPACT GRADE LAMINATE PARTITION, 1085 SERIES WALL-HUNG SCREEN 42" PAINTED "WILSON ART" - NIGHTFALL #502K-19 LENO WEAVE FINISH
H	"BOBRICK" WALL MOUNTED STAINLESS STEEL GRAB BAR SERIES B-6806, 42" LENGTH, 1/2" PEENED NON-SLIP GRIPPING SURFACE WITH POLISHED FLANGE.
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J	"BOBRICK" WALL MOUNTED STAINLESS STEEL GRAB BAR SERIES B-6806, 18" LENGTH (VERTICAL INSTALLATION), 1/2" PEENED NON-SLIP GRIPPING SURFACE WITH POLISHED FLANGE.
K	"BOBRICK" SURFACE MOUNTED TWIN JUMBO-ROLL TOILET TISSUE DISPENSER, B2892
L	"BROWNLEE" SURFACE MOUNTED FLOW SQ MINI, MODEL 1265

Demolition Key Notes

- 1 REMOVE EXISTING WOOD DOOR AND ASSOCIATED HARDWARE. EXISTING DOOR FRAME TO REMAIN TYP. CONTRACTOR TO PREPARE DOOR FRAME TO RECEIVE NEW FINISH AND HARDWARE AS SCHEDULED. CONTRACTOR TO REMOVE AND REUSE EXISTING DOOR CORE INTO NEW DOOR.
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- 6 REMOVE EXISTING SUSPENDED CEILING SYSTEM AND TILE.
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- 10 REMOVE EXISTING TILE FLOOR SYSTEM DOWN TO CONC. PATCH AND PREPARE FLOOR SUBSTRATE TO ACCOMMODATE SCHEDULED FINISH, TYP.
- 11 REMOVE, REPAIR AND REINSTALL EXISTING CEILING MOUNTED SPEAKER, TYP.
- 12 REMOVE EXISTING WALL MOUNTED SINK AND ASSOCIATED HARDWARE, TYP. SEE PLUMBING.
- 13 REMOVE EXISTING WALL MOUNTED MIRROR(S) AND ASSOCIATED HARDWARE.
- 14 REMOVE EXISTING WALL MOUNTED URINAL PRIVACY SCREEN
- 15 REMOVE AND REPLACE EXISTING WALL MOUNTED EMERGENCY EXIT STROBE. SEE ELECTRICAL DWGS.
- 16 REMOVE EXISTING SPEAKER. CONTRACTOR TO COORDINATE REPLACEMENT SPEAKER WITH ARCHITECT.
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- 20 REMOVE ENTIRE WOOD FRAMED OPENING WITH TRANSOM IN ITS ENTIRETY. CONTRACTOR TO COORDINATE THE DEMOLITION NEEDED TO ACCOMMODATE NEW OPENING AS SHOWN IN DOCUMENTS.
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- 22 REMOVE EXISTING CEILING MOUNTED LIGHT FIXTURE, TYP. SEE ELECTRICAL.
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- 24 REMOVE EXISTING VINYL FLOOR TILE AS NEEDED .PREPARE SUBSTRATE FOR SCHEDULED FINISH.
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- 42 REMOVE PORTION OF WALL TO ACCOMMODATE NEW SEMI-RECESSED TRASH RECEPTACLE.
- 43 MODIFY ROUGH-IN PLUMBING AS REQUIRED TO ACCOMMODATE NEW FIXTURE. SEE WORK PLAN.

General Notes

1. ALL DIMENSIONS ARE FROM FACE OF FINISH MATERIALS, AND REPRESENT CLEAR AREA.
2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING AND PROPOSED DIMENSIONS PRIOR TO INSTALLATION/CONSTRUCTION.
3. WHERE REQUIRED DUE TO DEMOLITION. CONTRACTOR SHALL SATISFACTORILY PATCH, REPAIR AND OR REPLACE EXISTING CONSTRUCTION.
4. G.C. TO PROTECT, REPAIR & CLEAN ALL "EXISTING TO REMAIN" ITEMS AS NEEDED.
5. REMOVE EXISTING DOOR HARDWARE AND STORE FOR RE-USE IN NEW CONSTRUCTION, TYPICAL.
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REFLECTED CEILING NOTES

1. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.
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6. UNLESS OTHERWISE NOTED, CEILING GRIDS ARE TO BE CENTERED WITHIN THE SPACES SHOWN WITH EQUAL CEILING TILE CUTS ON EACH END.

NJ Certificate of Authorization

Eng. No. 24027937500

Arch. No. 21AC0012400

Date 12/14/2022

Checked RS

Drawn CP

RONALD W. SCHWENKE III, R.A.
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License No. NJ21A02051300

Revisions:

12-14-2022
ISSUED FOR BID

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1018 LAUREL OAK ROAD, SUITE 111, VOORHEES, NJ 08043 T. 856-375-2701

State Project #: 1900-080-22-1000

PLANS & INTERIOR ELEVATIONS- 1st FLOOR
TOILET RENOVATIONS at
ELIZABETH HADDON ELEMENTARY SCHOOL
501 WEST REDMAN AVENUE
HADDONFIELD NJ, 08033

Job No. 20277.14

File No.

A1.06

Toilet Accessory Schedule

A	"BRADLEY" GLASS MIRROR WITH STAINLESS STEEL CHANNEL FRAME MODEL 781-2436, 24"x36"
A1	"BRADLEY" GLASS MIRROR WITH STAINLESS STEEL CHANNEL FRAME MODEL 781-2460, 24"x72"
A2	"BRADLEY" GLASS MIRROR WITH STAINLESS STEEL CHANNEL FRAME MODEL 781-1824, 18"x24"
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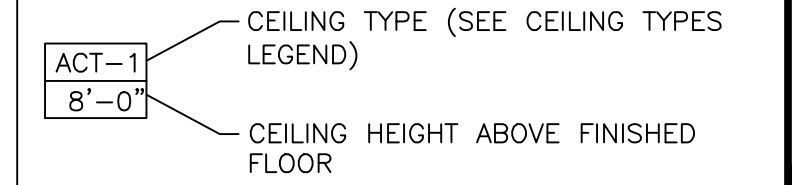
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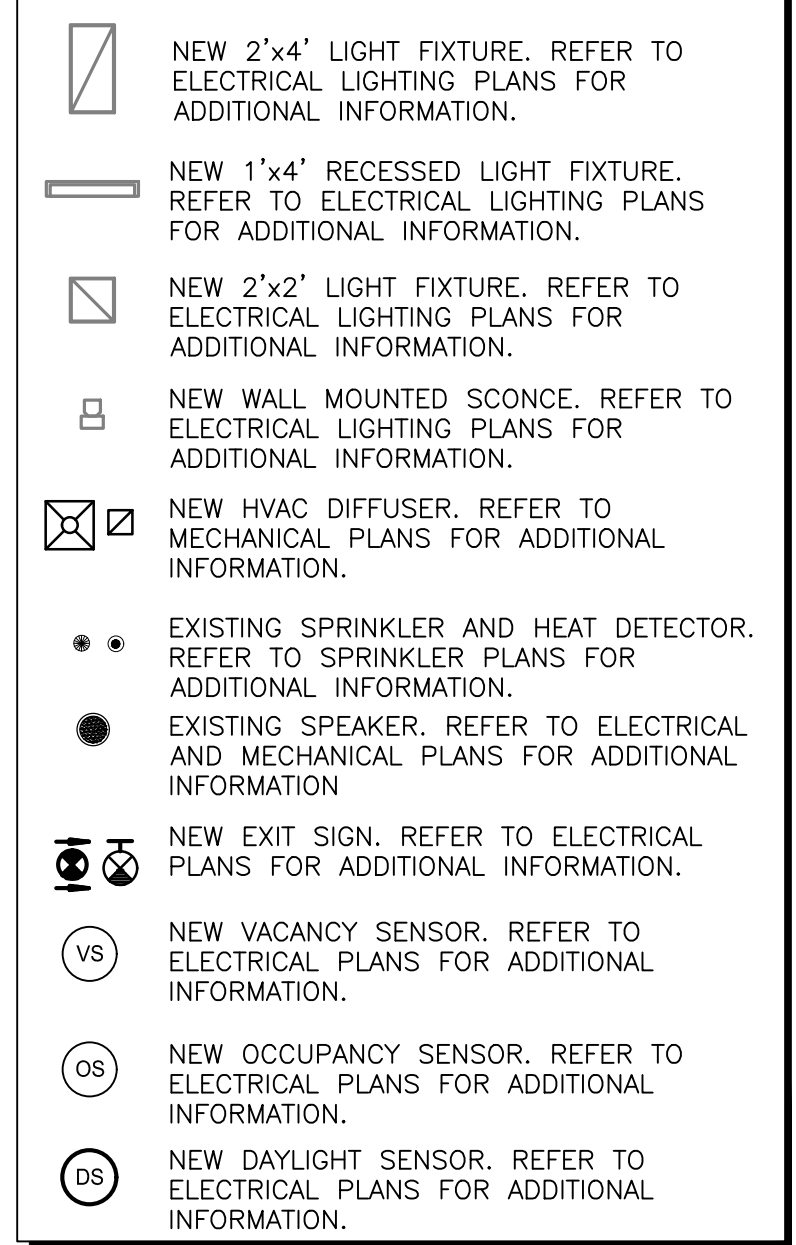
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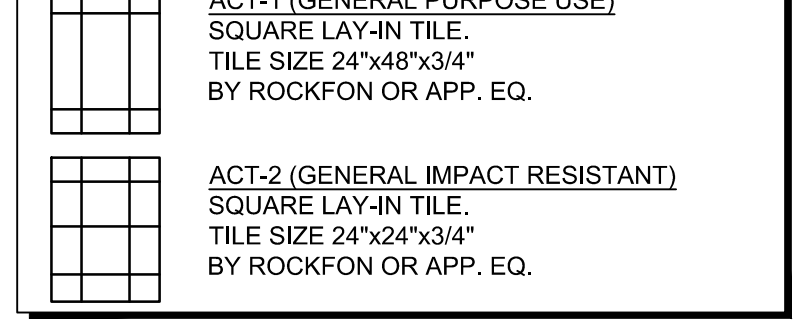
LEGEND



SYMBOL LEGEND

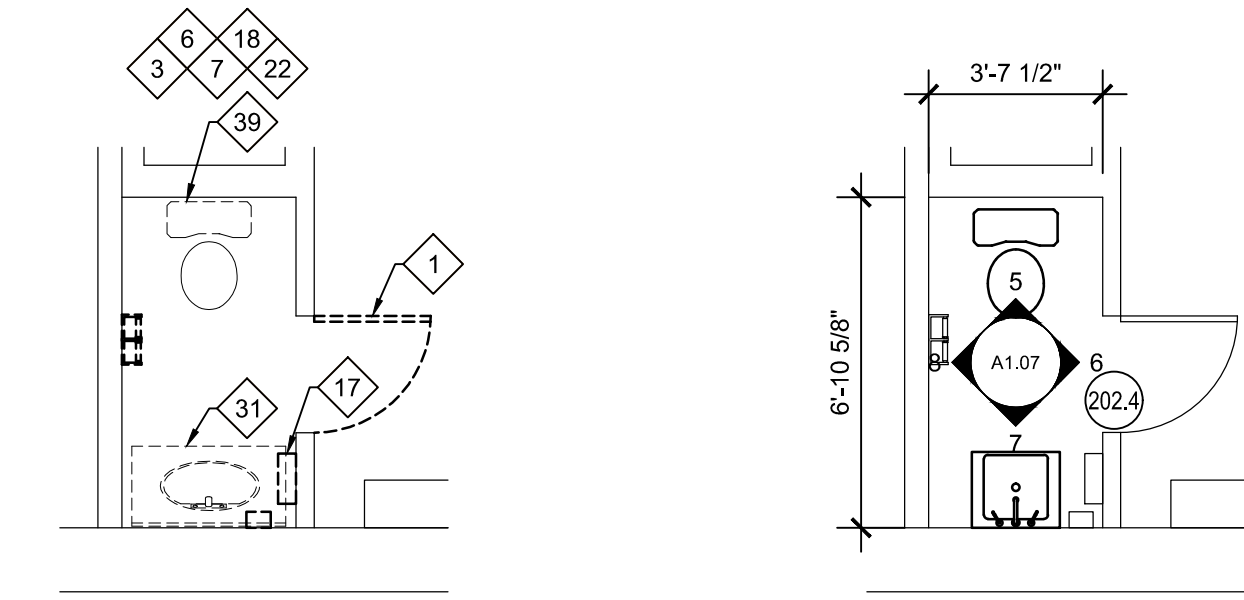


CEILING TYPES LEGEND

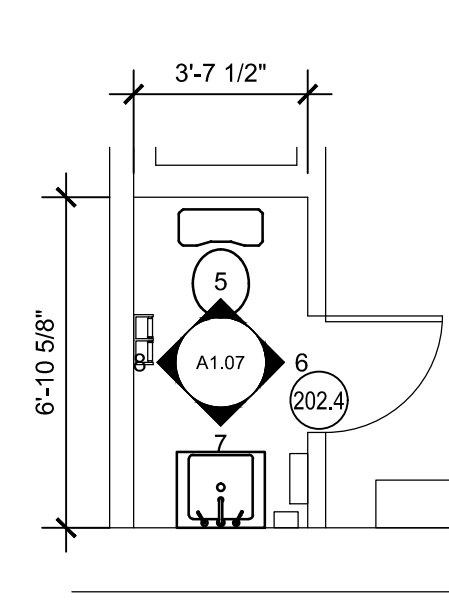


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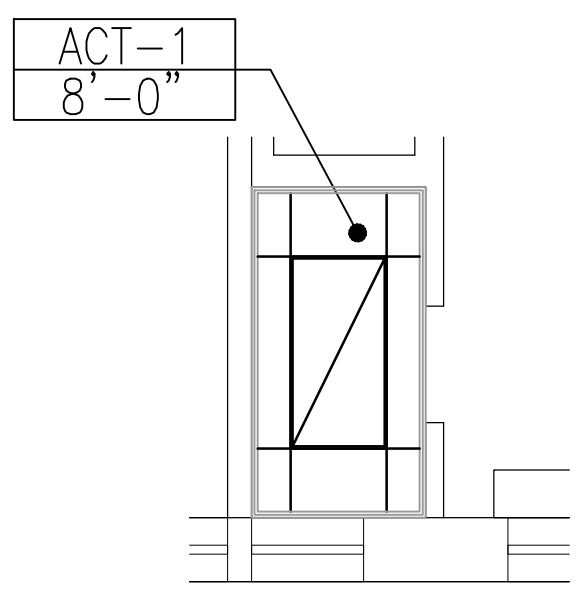


202.4 - CLASS DEMOLITION PLAN
1
A1.07
1/4" = 1'-0"

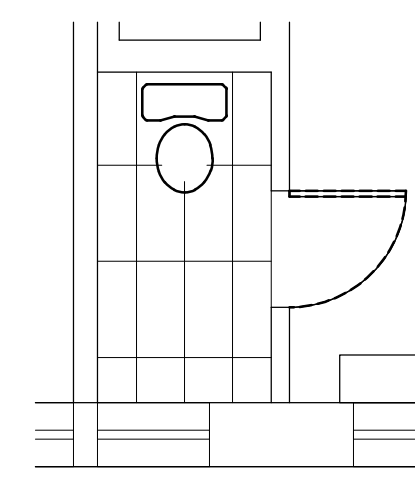


202.4 - CLASS PROPOSED PLAN
2
A1.07
1/4" = 1'-0"

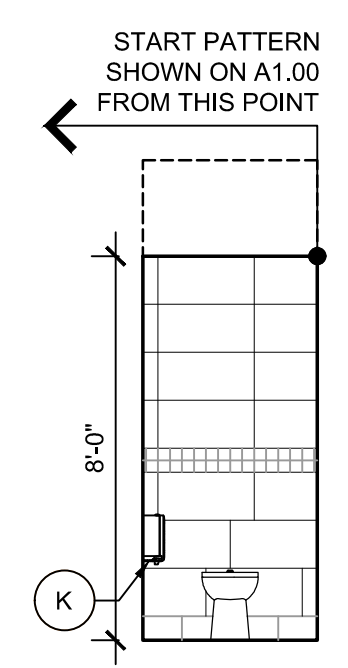
NOTE:
ALIGN GROUT JOINT WITH VERTICAL JOINTS, SEE ELEVATIONS, TYPICAL



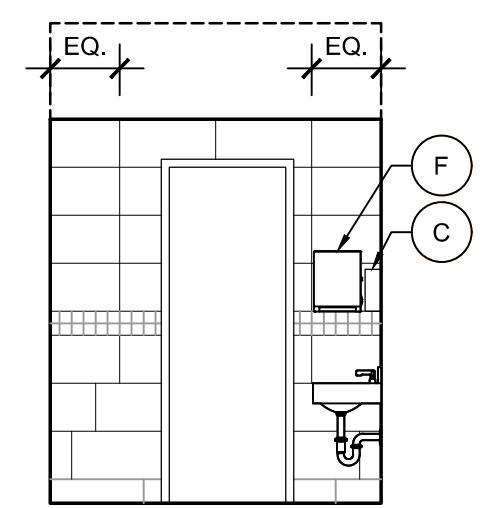
202.4 - CLASS REFLECTED CEILING PLAN
3
A1.07
1/4" = 1'-0"



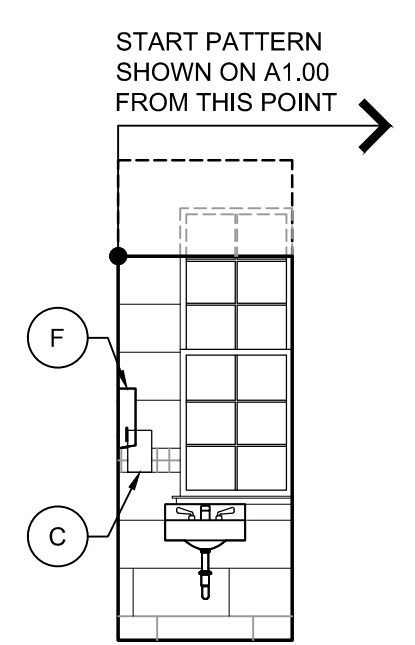
202.4 - CLASS FINISH FLOOR PLAN
4
A1.07
1/4" = 1'-0"



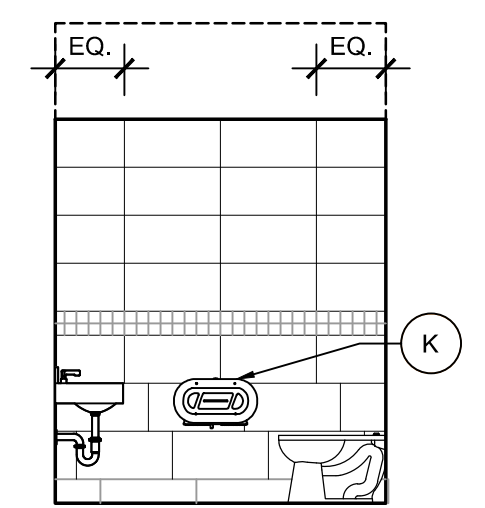
202.4 - CLASS INTERIOR ELEVATIONS
5
A1.07
1/4" = 1'-0"



202.4 - CLASS INTERIOR ELEVATIONS
6
A1.07
1/4" = 1'-0"



202.4 - CLASS INTERIOR ELEVATIONS
7
A1.07
1/4" = 1'-0"



202.4 - CLASS INTERIOR ELEVATIONS
8
A1.07
1/4" = 1'-0"

NJ Certificate of Authorization
 Eng. No. 24047937500
 Arch. No. 21AC00012400
 Date 12/14/2022
 Checked RS
 Drawn CP

Revisions:

RONALD W. SCHWENKE III, R.A.
 THE REGISTERED ARCHITECT
 License No. NJZ1A02051300

LAN ASSOCIATES
 engineering • planning • architecture • surveying
 1018 LAUREL OAK ROAD, SUITE 111, VOORHEES, NJ 08043 T. 856-375-2701

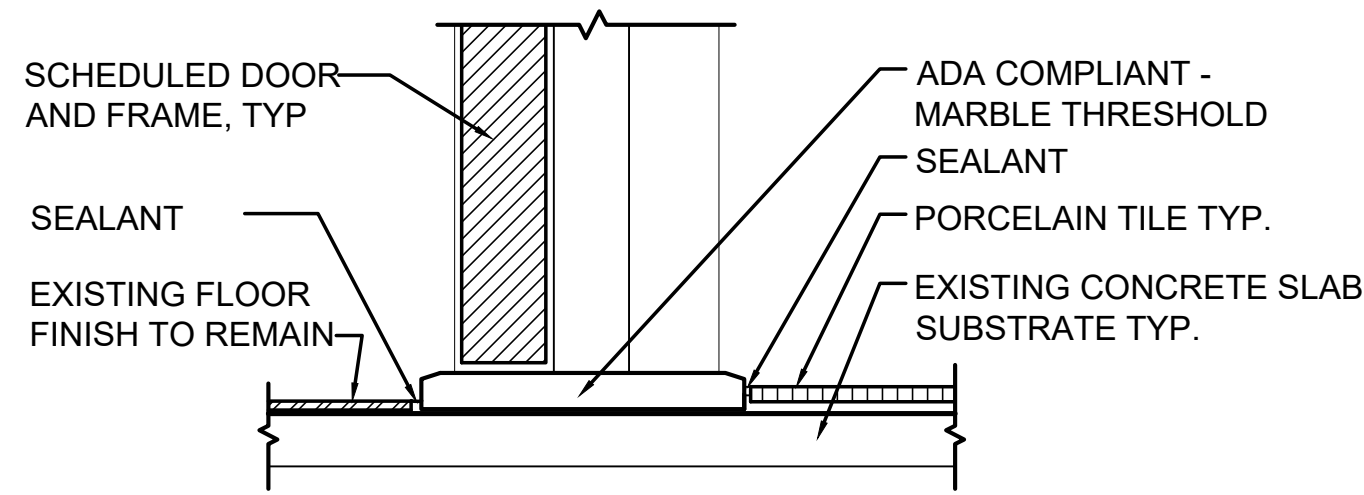
PLANS & INTERIOR ELEVATIONS- 2nd FLOOR
 TOILET RENOVATIONS at
 ELIZABETH HADDON ELEMENTARY SCHOOL
 501 WEST REDMAN AVENUE
 HADDONFIELD, NJ, 08033

State Project #: 1900-080-22-1000
 Job No. 20277.14
 File No.

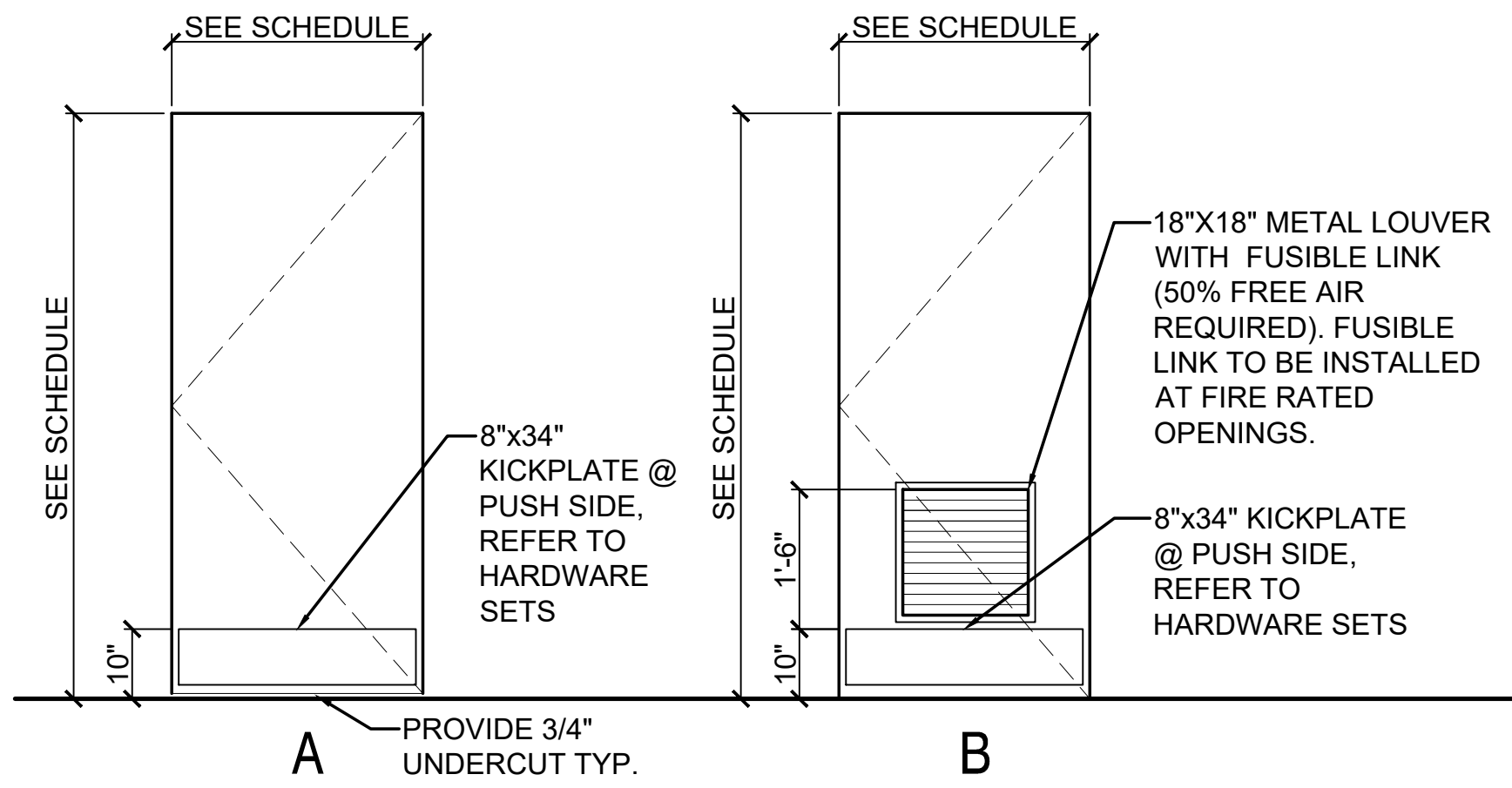
A1.07

Abbreviations

ALUM.	ALUMINUM
(E)	EXISTING
HM	HOLLOW METAL
ST	STEEL
WD	WOOD

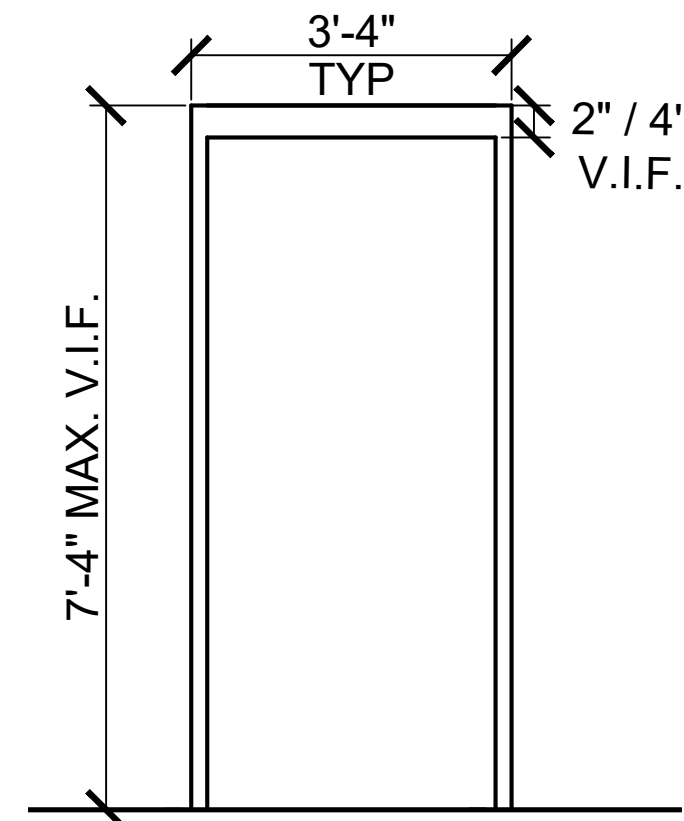


S1
DOOR SILL TYPE



A
DOOR TYPES

B

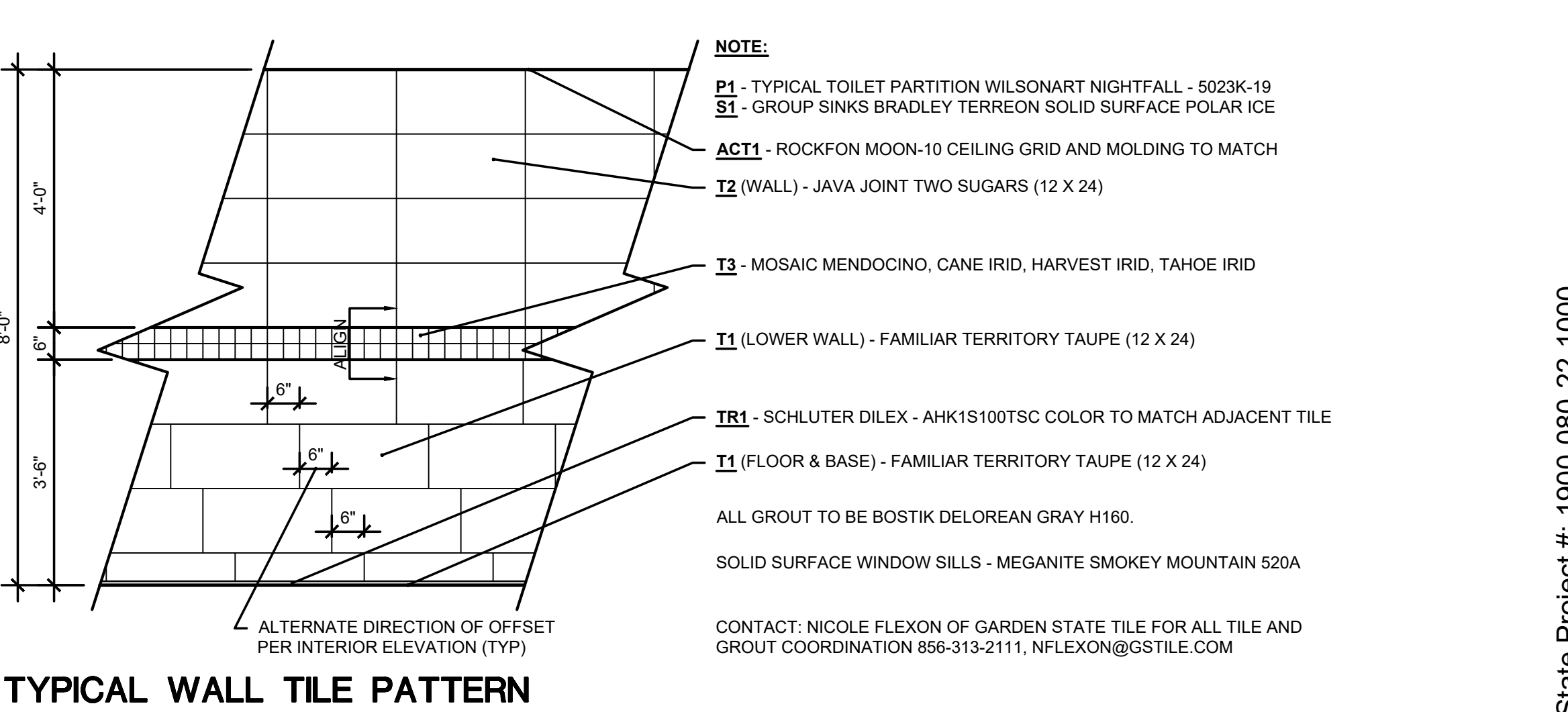
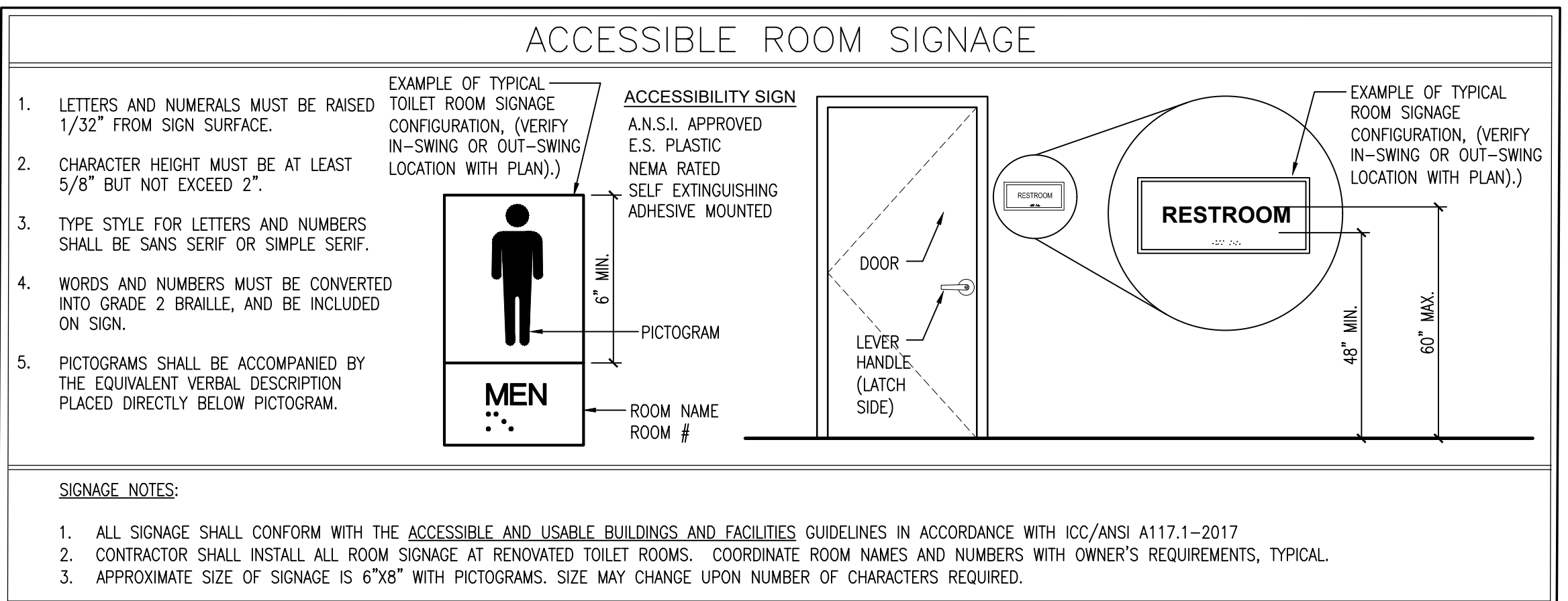


E1
DOOR FRAME TYPES

DOOR NO.	ROOM NAME/NUMBER	DOOR			FRAME			SILL	FIRE RATING DOOR & FRAME	HARDWARE SET	SCHED. LOCK NUMBER (TRANS.)	NOTES
		Door Type	ACTION	MATERIAL	DOOR SIZE	DETAIL NO.	TYPE					
07.1	07.1 TEACHERS TOILET	A	SINGLE SWING	WD	2'-6" 79"	(E) WD	NA	NA	S1	-	-	PAINT / STAIN TO MATCH ADJACENT, TYP.
101.2	101 CLASS	A	SINGLE SWING	WD	2'-4" 7'-0"	F1 (E) WD	-	-	S1	-	-	
104.1	104.1 CLASS	A	SINGLE SWING	WD	2'-4" 7'-0"	(E) WD	-	-	S1	-	-	PAINT / STAIN TO MATCH ADJACENT, TYP.
112	112 BOYS	B	SINGLE SWING	WD	2'-8" 7'-0"	(E) WD	NA	NA	S1	20 MIN	-	PAINT / STAIN TO MATCH ADJACENT, TYP.
121	121 GIRLS	A	SINGLE SWING	WD	3'-0" 7'-0"	(E) WD	NA	NA	S1	20 MIN	-	PAINT / STAIN TO MATCH ADJACENT, TYP.
130	130 GIRLS	B	SINGLE SWING	WD	2'-6" 7'-0"	(E) HM	NA	NA	S1	20 MIN	-	PAINT / STAIN TO MATCH ADJACENT, TYP.
132	132 BOYS	B	SINGLE SWING	WD	2'-6" 7'-0"	(E) HM	NA	NA	S1	-	-	PAINT / STAIN TO MATCH ADJACENT, TYP.
202.4	202 FACULTY	A	SINGLE SWING	WD	2'-6" 7'-0"	(E) WD	-	-	S1	-	-	

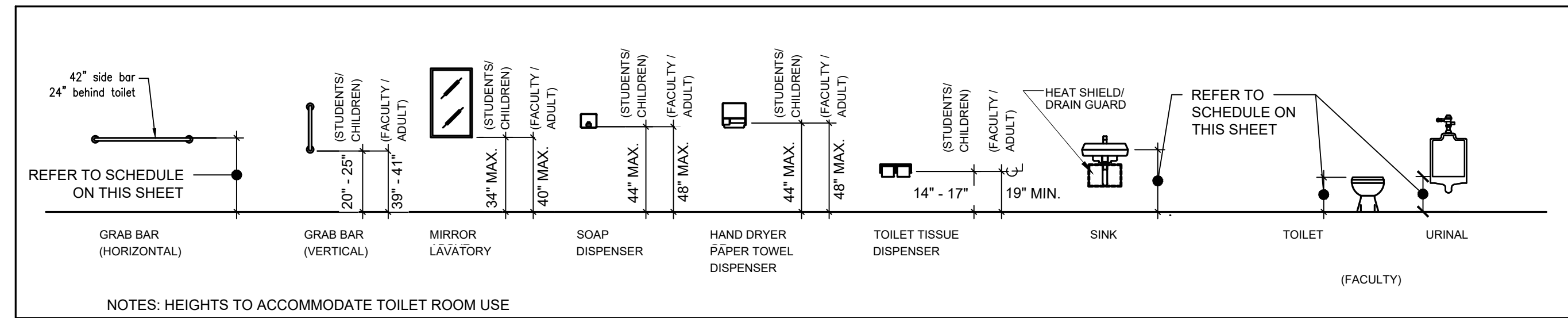
PLUMBING HEIGHTS AND CLEARANCES

	ADULT HEIGHTS SHALL APPLY AT ALL SPACES PREDOMINANTLY USED BY ADULTS AND STUDENTS OF AGE 13 AND ABOVE			ADULT BARRIER FREE
	AGES 5 AND BELOW	AGES 6 THRU 12 BARRIER FREE	AGES 6 THRU 12 NON-BARRIER FREE	
WATER CLOSET - CENTERLINE OF BOWL TO WALL WITH GRAB BAR	1'-0"	12" TO 18"	N/A	16" TO 18"
WATER CLOSET - RIM HEIGHT FROM FLOOR	9.5" TO 10.5"	11" TO 17" (to top of seat)	10.5" TO 13.5"	17" TO 19"
GRAB BAR - SIDE WALL FLOOR TO TOP OF BAR	18" TO 20"	20" TO 25"	N/A	33" TO 36"
FLUSH CONTROLS - WATER CLOSET	20" TO 30"	20" TO 30"	20" TO 30"	44" MAX.
URINAL - HEIGHT OF ELONGATED RIM	14" MAX.	14" MAX.	14" MAX.	17" MAX.
URINAL - HEIGHT OF FLUSH CONTROLS	30" MAX.	30" MAX.	30" MAX.	44" MAX.
LAVATORIES & SINKS HEIGHT OF RIM OR COUNTER TOP	30" MAX.	30" MAX.	30" MAX.	34" MAX.
LAVATORIES & SINKS KNEE CLEARANCE	17" MIN. DEEP 30" MIN. WIDE	17" MIN. DEEP 36" MIN. WIDE	N/A	17" MIN. DEEP 30" MIN. WIDE
LAVATORIES & SINKS FLOOR TO BOTTOM OF APRON	27" MIN.	27" MIN.	N/A	27" MIN.
LAVATORIES & SINKS FLOOR TO BOTTOM BOWL	24" MIN.	24" MIN.	N/A	27" MIN.
DRINKING FOUNTAIN SPOUT HEIGHT	30" MAX.	30" MAX.	N/A	36" MAX.



NOTE

CONTRACTOR TO PROVIDE A 20 SQUARE FOOT PARTIAL IN-PLACE MOCKUP OF ALL FINISHES. AT ONE SELECT TOILET ROOM. MOCKUP IS TO DEMONSTRATE UNDERSTANDING OF INTENDED DESIGN. COORDINATE LOCATION WITH ARCHITECT, BEFORE PROCEEDING WITH INSTALLATION OF WORK SHOWN ON CONSTRUCTION DOCUMENTS.



MOUNTING HEIGHTS

NJ Certificate of Authorization
 Eng. No. 24047937500
 Arch. No. 21AC00012400
 Date 12/14/2022
 Checked RS
 Drawn LR
RONALD W. SCHWENKE III, R.A.
 LICENSE NO. NJZ1A02051300
 THE REGISTERED ARCHITECT

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LAN ASSOCIATES
 engineering • planning • architecture • surveying
 1018 LAUREL OAK ROAD, SUITE 111, VOOHREES, NJ 08043 T. 856-375-2701

SCHEDULES AND DETAILS
 TOILET RENOVATIONS at
 ELIZABETH HADDON ELEMENTARY SCHOOL
 501 WEST REDMAN AVENUE
 HADDONFIELD, NJ, 08033

Job No. 20277.14
 File No. 202770_A100

State Project #: 1900-080-22-1000

A6.01

NJ Certificate of Authorization	
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Drawn	AK

THOMAS WIGHARD, P.E.
 License No. NJZGE04901100
 PROFESSIONAL ENGINEER

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LAN ASSOCIATES
 engineering • planning • architecture • surveying
 1018 LAUREL OAK ROAD, SUITE 111, VOORHEES, NJ 08043 T. 856-375-2701

MECH NOTES, SYMBOLS, ABBREVIATIONS
 TOILET ROOM RENOVATIONS
 ELIZABETH HADDON ELEMENTARY SCHOOL
 501 WEST REDMAN AVENUE
 HADDONFIELD, NJ, 08033

Job No.	20277.14
File No.	20277.14.2M20

M0.01

State Project #: 1900-080-22-1000

ABBREVIATIONS	
&	= AND
@	= AT
φ	= DIAMETER OR ROUND
ABV	= ABOVE
AD	= ACCESS DOOR
ADD'L	= ADDITIONAL
ADJ	= ADJUSTABLE
ALT	= ALTERNATE
BDD	= BACK DRAFT DAMPER
BLDG	= BUILDING
CLG	= CEILING
CONSTR	= CONSTRUCTION
CONT	= CONTINUOUS
CORR	= CORRIDOR
CV	= CONVECTOR
(D)	= DEMO
DET	= DETAIL
DIM	= DIMENSION
DN	= DOWN
DWG	= DRAWING
EA	= EACH
EAR	= EXHAUST AIR REGISTER
EF	= EXHAUST FAN
ELEC	= ELECTRIC
ENGR	= ENGINEER (ING)
EQ	= EQUAL
EQUIP	= EQUIPMENT
(E)EXIST	= EXISTING
FAI	= FRESH AIR INTAKE
FC	= FLEXIBLE CONNECTION
FD	= FIRE DAMPER
GA	= GAUGE
GALV	= GALVANIZED
HVAC	= HEAT/VENT/AIR COND
INSUL	= INSULATION
JAN	= JANITOR
MAX	= MAXIMUM
MD	= MOTORIZED DAMPER
MECH	= MECHANICAL
MEP	= MECHANICAL/ELECTRICAL/PLUMBING
MFR	= MANUFACTURER
MIN	= MINIMUM
MISC	= MISCELLANEOUS
N.A.	= NOT APPLICABLE
NK	= NECK SIZE
NTS	= NOT TO SCALE
OA	= OUTSIDE AIR
RM	= ROOM
SA	= SUPPLY AIR
SAD	= SUPPLY AIR DIFFUSER
SAG	= SUPPLY AIR GRILLE
SAR	= SUPPLY AIR REGISTER
SECT	= SECTION
SPEC	= SPECIFICATION
STD	= STANDARD
TG	= TRANSFER AIR GRILLE
TX	= TOILET EXHAUST
TYP	= TYPICAL
UH	= UNIT HEATER
VD	= VOLUME DAMPER
VFD	= VARIABLE FREQUENCY DRIVE
VIF	= VERIFY IN FIELD
W	= WITH
W/O	= WITHOUT
WT	= WEIGHT

SYMBOLS NOT TO SCALE

	= SUPPLY AIR CEILING DIFFUSER (SAD) WITH NECK SIZE AND AND CFM INDICATED ON PLANS
	= RETURN AIR REGISTER (RAR) WITH NECK SIZE AND CFM INDICATED ON PLANS
	= EXHAUST AIR REGISTER (EAR); GRAVITY RELIEF GRILLE (GRG) WITH NECK SIZE AND CFM INDICATED ON PLANS
	= SUPPLY AIR WALL REGISTER/GRILLE (SAR) WITH NECK SIZE AND CFM INDICATED ON PLANS
	= RETURN AIR WALL REGISTER (RAR) WITH NECK SIZE AND CFM INDICATED ON PLAN
	= POINT OF CONNECTION OF NEW PIPING/DUCTWORK TO EXISTING
	= POINT OF DISCONNECTION OF NEW PIPING/DUCTWORK TO EXISTING
	= INDICATES HARD DUCT WITH INTERNAL LINING (DIMENSIONS ARE INSIDE CLEAR WIDTH & DEPTH)
	= INDICATES HARD DUCT (DIMENSIONS ARE INSIDE CLEAR WIDTH & DEPTH)
	= INDICATES FLEXIBLE DUCT (DIMENSIONS ARE INSIDE CLEAR DIAMETER; LENGTH NOT TO EXCEED FOUR (4) FEET)
	= DUCT TURN UP (SUPPLY, RETURN, EXHAUST)
	= DUCT TURN DOWN (SUPPLY, RETURN, EXHAUST)
	= FIRE DAMPER WITH ACCESS DOOR
	= VOLUME DAMPER
	= BACK DRAFT DAMPER
	= MOTORIZED DAMPER
	= INDICATES EXISTING TO BE REMOVED
	= PROJECT NORTH
	= ROOM NAME ROOM NUMBER
	= REVISION
	= ELEVATION
	= SECTION/DETAIL
	= UNDERCUT DOOR (1/2 INCH)
	= LOUVER DOOR

H.V.A.C. GENERAL NOTES

- PROCURE AND PAY ALL NECESSARY PERMITS AND LICENSES REQUIRED TO CARRY OUT THE WORK SHOWN. OBTAIN AND PAY FOR ALL FEES.
- COMPLY WITH ALL FEDERAL, STATE AND MUNICIPAL LAWS AND CODES, ORDINANCES, RULES AND REGULATIONS OF HEALTH, PUBLIC OR OTHER AUTHORITIES CONTROLLING OR LIMITING THE METHODS, MATERIALS TO BE USED OR ACTIONS OF THOSE EMPLOYED.
- GUARANTEE H.V.A.C. SYSTEMS FOR A PERIOD OF TWO YEARS FROM OWNER'S ACCEPTANCE TO BE FREE FROM DEFECTS AND REPAIR OR REPLACE, AT NO COST TO OWNER, FAILURES OR DEFECTS.
- H.V.A.C. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL HIS DEBRIS.
- BALANCE AIR SYSTEMS TO QUANTITIES INDICATED. CONTRACTOR TO SUBMIT SIX (6) SETS OF AIR AND UNIT BALANCING REPORT TO ARCH./ENGR./OWNER PRIOR TO FINAL ACCEPTANCE OF THE SYSTEM.
- BIDDERS FOR THIS WORK SHALL VISIT THE PREMISES AND CAREFULLY EXAMINE ALL EXISTING CONDITIONS BEFORE SUBMITTING BIDS. NOT ALL EXISTING CONDITIONS HAVE BEEN IDENTIFIED ON DRAWINGS; CONTRACTOR SHALL NOTIFY ARCH. & ENGR. OF ALL DISCREPANCIES PRIOR TO SUBMITTING BID.
- ALL BIDDERS SHALL ALSO FAMILIARIZE THEMSELVES WITH THE MEANS OF ENTRANCE AND EXIT AT THE PROPERTY AND ALL OTHER INFORMATION NECESSARY TO PROPERLY CARRY OUT THE WORK.
- THE CONTRACTOR SHALL, WITH THE APPROVAL OF THE ENGINEER AND WITHOUT ADDITIONAL COST TO THE OWNER, MAKE ALL NECESSARY CHANGES OR MODIFICATIONS TO LOCATIONS AS MAY BE NECESSARY TO SUIT REQUIREMENTS AND CONDITIONS FOR THE PROPER AND CONVENIENTLY ACCESSIBLE LOCATIONS OF ALL PARTS OF EACH SYSTEM.
- SMALL DETAILS ARE NOT USUALLY SHOWN OR SPECIFIED BUT ALL MATERIALS & COMPONENTS NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OR WORK SHALL BE FURNISHED AND INSTALLED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL NOTE THAT ALL SERVICE CONNECTIONS MAY NOT BE SHOWN IN TRUE POSITIONS. EACH BIDDER IS CAUTIONED, THEREFORE, TO VERIFY SAME WITH FIELD CONDITIONS.
- CONTRACTOR SHALL CHECK FOR INTERFERENCE AND VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OR INSTALLATION OF DUCTWORK.
- IF AN ITEM OF EQUIPMENT OTHER THAN THE ITEM(S) SPECIFIED IS APPROVED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ADDITIONAL COST ARISING OUT OF ADDITIONAL OR CHANGED GENERAL CONSTRUCTION AND MECHANICAL WORK REQUIRED TO ACCOMMODATE THE SUBSTITUTED EQUIPMENT.
- ALL EQUIPMENT INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS DIRECTIONS AND RECOMMENDATIONS.
- PROVIDE TWO YEAR MAINTENANCE SERVICE FOR ALL INSTALLED HV/HVAC/MECHANICAL SYSTEMS. THIS INCLUDES A MINIMUM OF THREE PERIODIC SERVICE VISITS TO INSPECT, TEST & CHECK ALL COMPONENTS OF HV/HVAC/MECHANICAL SYSTEMS. EACH BIDDER IS CAUTIONED, THEREFORE, TO VERIFY SAME WITH FIELD CONDITIONS.
- PROVIDE FIRE DAMPERS/ACCESS DOORS AT ALL DUCT PENETRATIONS THROUGH CORRIDORS, SLABS AND OTHER RATED PARTITIONS, IRRESPECTIVE OF WHETHER IT IS INDICATED ON THE DRAWINGS OR NOT.
- PROVIDE FIRE STOPPING AROUND ALL OPENINGS FOR DUCT, PIPING, CONDUIT, ETC. PENETRATIONS THROUGH CORRIDORS, SLABS AND OTHER RATED PARTITIONS.
- MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION AND RESTORATION OF AREAS OF MECHANICAL REMOVALS.
- MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONTAINER SERVICES AND LABOR TO KEEP THE BUILDING FREE OF DEBRIS.
- CONTRACTOR TO THOROUGHLY CLEAN ALL EXISTING EXHAUST DUCTWORK WHICH IS TO REMAIN. PROVIDE SIX (6) COPIES OF REPORT INCLUDING COLOR PHOTOS INDICATING DUCTWORK CONDITION BEFORE & AFTER CLEANING.
- PROVIDE NEW VOLUME DAMPERS IN EXISTING DUCTWORK (SUPPLY/RETURN/EXHAUST) WHICH IS TO BE REUSED WHERE THERE ARE NO EXISTING VOLUME DAMPERS (TYPICAL FOR ALL).
- CONTRACTOR TO NOTE THAT BOTH DWGS. & SPECS. ARE COLLECTIVELY A PART OF BID REQUIREMENTS. IN CASE OF ANY DIFFERENCES BETWEEN VARIOUS DWGS. OR BETWEEN DWGS. & SPECS, THE MOST STRINGENT REQUIREMENT WILL PREVAIL.
- CONTRACTOR TO SUBMIT SIX (6) SETS OF OPERATION & MAINTENANCE MANUALS, INCLUDING A SUMMARY SHEET OF ALL EQUIPMENT MFRS/MODEL #/SERIAL #/S, SHOP DRAWING SUBMITTALS, WARRANTY INFORMATION, O&M MANUALS, PROJECT INFORMATION, CONTACT DETAILS & AS-BUILT DRAWINGS.
- CONTRACTOR TO PROVIDE SIX (6) SETS AND AN ELECTRONIC COPY OF AS-BUILT DRAWINGS OF THE ENTIRE SYSTEM.
- PROVIDE PROPER IDENTIFICATION TAGS, ARROWS, AND LABELS FOR ALL EQUIPMENT INCLUDING EXHAUST FANS.
- CONTRACTOR TO PROVIDE A MINIMUM OF TWO (2) TRAINING SESSIONS (TWO HOURS EACH) THAT ARE TO BE VIDEOTAPED FOR THE OWNERS USE, TO OWNER'S MAINTENANCE STAFF ON PROPER OPERATION, MAINTENANCE & COMMON TROUBLE-SHOOTING GUIDELINES.

GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE LATEST EDITIONS OF THE NEW JERSEY STATE ENERGY CODE, INTERNATIONAL MECHANICAL CODE, ASHRAE GUIDELINES, SMACNA, CAMDEN COUNTY GUIDELINES, NEC, NATIONAL STANDARD PLUMBING CODE, AND ALL OTHER APPLICABLE CODES, ORDINANCES, ETC. FOR NEW JERSEY STATE AND THE LOCAL AUTHORITY HAVING JURISDICTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND FAMILIARIZING HIMSELF WITH THE EXISTING CONDITIONS AND SCOPE OF THE WORK PRIOR TO SUBMITTING BIDS AND COMMENCING WORK. AND INCLUDE ALL SUCH NECESSARY WORK BASED ON THIS SITE FAMILIARIZATION IN THIS BID.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL SAFE WORKING CONDITIONS AND SHALL OBSERVE ALL SAFETY REQUIREMENTS ESTABLISHED BY JURISDICTIONAL AGENCIES AND THE OWNER. WHERE CONFLICTS EXIST, THE MORE STRINGENT REQUIREMENT SHALL APPLY. CARE SHALL BE EXERCISED TO AVOID ENDANGERING PERSONNEL OR STRUCTURES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION MEAN & METHODS, PROCEDURES AND JOB SITE CONDITIONS INCLUDING SAFETY. CONSTRUCTION SHALL BE PERFORMED IN SUCH A MANNER TO PROTECT WORKMEN, OCCUPANTS AND THE PUBLIC FROM INJURY AND ADJOINING PROPERTY SHALL BE PROTECTED FROM DAMAGE BY USE OF SCAFFOLDING, UNDERPINNING OR OTHER APPROVED METHOD. THE CONTRACTOR SHALL REPAIR ANY AND ALL DAMAGE CAUSED DURING OR RESULTING FROM HIS OPERATIONS IN KIND TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL MAINTAIN THE JOB SITE IN A CLEAN, DEBRIS FREE CONDITION. THE DUST RESULTING FROM REMOVALS SHALL BE CONTROLLED SO AS TO PREVENT ITS SPREAD TO OCCUPIED PORTIONS OF THE BUILDING AND TO AVOID CREATION OF A NUISANCE IN THE SURROUNDING AREA.
- CONTRACTOR SHALL SECURE AND PAY FOR ALL REQUIRED PERMITS, FEES, APPROVALS, ETC. PRIOR TO COMMENCING WORK AND SHALL SECURE CERTIFICATE OF OCCUPANCY UPON COMPLETION OF WORK.
- CONTRACTOR SHALL BE RESPONSIBLE TO DISPOSE OF ALL DEMOLISHED MATERIAL OFF SITE IN AN APPROVED MANNER. THE OWNER SHALL BE CONSULTED PRIOR TO DISPOSAL OF ANY SALVAGED OR EXCESS MATERIALS AT THE COMPLETION OF THE PROJECT.
- UPON COMPLETION OF WORK, ALL EXCESS MATERIAL, DEBRIS, ETC. SHALL BE REMOVED AND THE WORK AREA SHALL BE LEFT CLEAN TO THE OWNER'S SATISFACTION.
- ALL WORK SHALL BE SCHEDULED IN COMPLIANCE WITH THE OWNER'S REQUIREMENTS FOR THE USE OF THE EXISTING FACILITY.
- CONTRACTOR SHALL FURNISH ALL EQUIPMENT THAT MAY BE REQUIRED TO PERFORM THE WORK INDICATED IN A SAFE AND ORDERLY MANNER, AND AS NECESSARY FOR A PROPER OPERATIONAL SYSTEM.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION AND TEMPORARY SUPPORT OF ANY UTILITIES ENCOUNTERED DURING THE COURSE OF HIS WORK AND TO ENSURE THE OWNER'S FACILITY TO BE OPERATIONAL.
- CONTRACTOR SHALL REVIEW DRAWINGS AND FIELD VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES AND ADDRESS ALL QUESTIONS TO ARCHITECT/ENGINEER PRIOR TO COMMENCING WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING, PATCHING, FILLING AND CLEANING UPON COMPLETION OF WORK.
- CONTRACTOR SHALL NOT SCALE DRAWINGS FOR DIMENSIONS. ALL WRITTEN OR DIMENSIONED INFORMATION TAKES PRECEDENCE OVER THE DRAWING.
- CONTRACTOR SHALL SUBMIT, WHERE REQUIRED BY THE ARCH/ENGR. SHOP DRAWINGS AND SUBMITTALS FOR APPROVAL PRIOR TO THE START OF FABRICATION OF THOSE ITEMS. THIS INCLUDES ALL EQUIPMENT, SCHEMATIC DUCTWORK LAYOUT, ETC. CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL EQUIPMENT ETC WILL FIT (WITH PROPER MAINTENANCE CLEARANCES) AT ALL LOCATIONS. REVIEW OF SHOP DRAWINGS/SUBMITTALS BY THE ARCH/ENGR DOES NOT RELIEVE THE CONTRACTOR FROM PROVIDING THE CURRENT MODEL NUMBERS, TYPE, & FEATURES OF ALL EQUIPMENTS & MATERIALS.
- CONTRACTOR SHALL PROVIDE THE OWNER AND ARCHITECT WITH CERTIFICATES OF INSURANCE PRIOR TO STARTING THE WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING AND BRACING OF EXISTING STRUCTURES AS NEEDED TO COMPLETE THE NEW WORK.
- ALL MANUFACTURER'S MATERIALS, COMPONENTS, FASTENERS, ASSEMBLIES, ETC. SHALL BE HANDLED AND INSTALLED IN ACCORDANCE TO WITH MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS. WHERE BRAND NAMES AND MANUFACTURED PRODUCTS ARE CALLED FOR, APPROVED EQUALS WHICH MEET APPLICABLE STANDARDS AND SPECIFICATIONS MAY BE SUBSTITUTED WITH WRITTEN PERMISSION OF THE ARCHITECT AND THE OWNER. WHENEVER BRAND NAMES OR SPECIFIC PRODUCT SYSTEMS ARE INDICATED IT SHALL BE CLEARLY UNDERSTOOD THAT SUCH IDENTIFICATION IS FOR THE PURPOSE OF ILLUSTRATING THE TYPE OF PRODUCT AND DEGREE OF QUALITY DESIRED. SUCH IDENTIFICATION IN NO WAY PRECLUDES THE CONTRACTOR FROM USING PRODUCTS OF OTHER MANUFACTURERS WHICH CAN BE SHOWN IN ADVANCE TO BE OF LIKE AND OF EQUAL OR BETTER QUALITY.
- ALL CHANGES SHALL BE REQUESTED IN WRITING AND MAY ONLY BE APPROVED IN WRITING BY THE ARCHITECT/ENGINEER AND THE OWNER PRIOR TO ANY CHANGES BEING MADE.
- THE ARCHITECT HAS THE RIGHT TO REJECT ANY PORTION OF WORK THAT IS POORLY INSTALLED, DOES NOT MEET INDUSTRY STANDARD, UNAUTHORIZED, OR WORK DONE CONTRARY TO THE INTENT OF THE CONTRACT DOCUMENTS. SUCH WORK SHALL BE REPLACED, REPAIRED OR REMOVED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL GUARANTEE ALL HIS WORK AND THE WORK OF HIS SUBCONTRACTORS FOR A PERIOD TWO (2) YEARS AFTER RECEIVING FINAL ACCEPTANCE AND DO ALL REPAIR WORK AND REPLACEMENT AS NECESSARY DURING THAT PERIOD AT THE CONTRACTOR'S EXPENSE.
- IN NO EVENT SHALL STRUCTURAL MEMBERS BE CUT OR DRILLED WITHOUT THE WRITTEN APPROVAL OF A LICENSED STRUCTURAL ENGINEER.
- CONTRACTOR SHALL PROVIDE SAFE AND SANITARY CONDITIONS WHERE DEMOLITION AND WRECKING OPERATIONS ARE BEING CARRIED ON. WORK SHALL BE EXECUTED IN SUCH A MANNER THAT HAZARD FROM FIRE, POSSIBILITY OF INJURY, DANGER TO HEALTH AND CONDITIONS WHICH MAY CONSTITUTE A PUBLIC NUISANCE SHALL BE MINIMIZED.
- ENGINEER/OWNER MAY ASK THE CONTRACTOR TO PROVIDE DETAILED SHOP DRAWINGS & SUBMITTALS OF ANY/ALL PARTS OF THIS PROJECT WHICH THE ENGINEER/OWNER DEEMS NECESSARY FOR.

H.V.A.C. MATERIALS

- EQUIPMENT:
- REFER TO SCHEDULES FOR UNIT MANUFACTURER, SIZE, AND CAPACITY DATA.
- DUCTWORK:
- INDOOR SUPPLY, RETURN AND EXHAUST DUCTWORK, EXCEPT AS INDICATED BELOW, SHALL BE GALVANIZED STEEL CONSTRUCTION. WEIGHTS AND CONSTRUCTION DETAIL SHALL BE IN ACCORDANCE WITH THE LATEST ASHRAE GUIDE AND/OR SMACNA STANDARDS.
 - FLEXIBLE DUCTWORK: SHALL NOT EXCEED FOUR (4) FEET IN LENGTH. FOR ANY HORIZONTAL FLEX DUCT BRANCH TO A CEILING DIFFUSER, FURNISH A 90° BRACE TO MAINTAIN A LONG RADIUS ELBOW TO THE DIFFUSER ("TITUS" MAKE, MODEL "FLEXRIGHT").
 - FIRE DAMPER: GREENHECK MAKE, MODEL FD-150 TYPE B (BLADES OUT OF AIRSTREAM), 1-1/2 HOUR RATED (UNLESS OTHERWISE NOTED) UL-555 LABELED DAMPER WITH STANDARD FRAME OR APPROVED EQUAL. PROVIDE WITH A RETAINING ANGLE AND AN ACCESS DOOR.
- AIR DEVICES:
- SAD - TITUS MAKE, MODEL OMNI-AA
 - SAR - TITUS MAKE, MODEL 300-RL
 - EAR - TITUS MAKE, MODEL 350-RL
 - TG - TITUS MAKE, MODEL 350-RL
- NOTES:
- ALL CEILING DIFFUSERS LOCATED IN ACOUSTIC CEILING GRID SHALL BE PROVIDED WITH FRAME TYPE FOR GRID MOUNTING. IF THE TILE IS SMALLER THAN TILE SIZE, THE DIFFUSER SHALL BE PROVIDED WITH FRAME TYPE FOR CEILING TYPE.
 - ALL CEILING DIFFUSERS LOCATED IN GYPSUM BOARD AND/OR CONCEALED SPLINE CEILING SHALL BE PROVIDED WITH FRAME TYPE FOR SURFACE MOUNTING.
 - PROVIDE FACTORY INSTALLED 90° BLANK-OFF PLATE(S) IN ALL 2 AND 3 WAY DIFFUSERS.
 - COLOR OF AIR OUTLETS/INLETS SHALL MATCH THE CEILING COLOR.
 - ALL AIR OUTLETS/INLETS TOILETS, CORRIDORS, AND KITCHEN SHALL BE ALUMINUM CONSTRUCTION
- PIPING:
- HOT WATER PIPING: SHALL BE HARD COPPER TYPE "L". WITH WROUGHT COPPER SOLDER FITTINGS (3" OR UNDER). SCHEDULE 40 BLACK STEEL WITH WELDED FITTINGS (4" OR OVER).
- ACCESS DOORS
- FURNISH AND INSTALL ACCESS DOORS AT ALL LOCATIONS WHERE VALVES, DAMPERS, CONTROLS, VENTS, DRAINS, ETC. ARE TO BE INSTALLED ABOVE OR BEHIND ANY INACCESSIBLE SURFACE (GYPSUM BOARD, CMU, ETC.), IRRESPECTIVE OF WHETHER THEY ARE INDICATED ON ALL DRAWINGS OR NOT. ACCESS DOORS SHALL BE A SUITABLE SIZE TO MAINTAIN, OPERATE, REPAIR, AND REPLACE ALL EQUIPMENT. ACCESS DOORS SHALL BE FACTORY PRIMED AND PAINTED TO MATCH THE SURFACE IN WHICH THEY ARE INSTALLED.

GENERAL CONSTRUCTION NOTES

- CONTRACTOR IS RESPONSIBLE FOR THE CUTTING OF ALL WALLS, FLOORS, CEILING ETC. FOR ALL DUCT PENETRATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING HOLES IN ROOF FOR EQUIPMENT AND DUCTWORK AND PROVIDING ROOF/FLOORWALL STRUCTURAL SUPPORT. GENERAL CONTRACTOR SHALL PROVIDE BLOCKING, ROOFING, DUNNAGE.
- CONTRACTOR TO REFER TO MECHANICAL DRAWINGS FOR PAINTING OF DUCTWORK, FURNISHING AND INSTALLING ACCESS PANELS, CUTOUT LOCATIONS, ETC.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING & RELOCATING EXISTING ELECTRICAL, FIRE ALARM & COMMUNICATION DEVICES TO ACCOMMODATE THE INSTALLATION OF NEW UNITS & DUCTWORK. CHECK IN FIELD.
- CONTRACTOR SHALL REMOVE EXISTING CEILING TILES AND CEILING GRID TO ACCOMMODATE THE INSTALLATION OF NEW UNITS & DUCTWORK. RE-INSTALL ALL CEILING TILES BACK TO MATCH EXISTING. REMOVE & REPLACE ALL DAMAGED TILES & CEILING GRID. CHECK IN FIELD.
- CONTRACTOR SHALL PROVIDE ROOFING PATCH WORK AND TIE-IN FOR ALL NEW MECHANICAL AND ELECTRICAL EQUIPMENT AND CONDUIT THAT PENETRATES THE EXISTING ROOF.
- CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH THE EXTENT AND SCOPE OF THE WORK PRIOR TO SUBMITTING BIDS OR COMMENCING WORK.
- CONTRACTORS SHALL REVIEW DRAWINGS AND FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO COMMENCING WORK. THE CONTRACTORS SHALL REPORT ANY DISCREPANCIES, AND ADDRESS ALL QUESTIONS TO ARCHITECT/ENGINEER PRIOR TO COMMENCING WORK.
- THE CONTRACTORS SHALL SECURE AND PAY FOR ALL REQUIRED PERMITS, FEES, AND INSPECTIONS PRIOR TO COMMENCING WORK. UPON COMPLETION OF WORK THE CONTRACTOR SHALL SECURE CERTIFICATE OF OCCUPANCY.
- CONTRACTORS SHALL BE RESPONSIBLE TO DISPOSE OF ALL DEMOLISHED MATERIAL OF SITE IN AN APPROVED MANNER.
- DOWN-TIME FOR THE TIE-IN OR SWITCHOVER SHALL BE KEPT TO A MINIMUM. COORDINATE SCHEDULE WITH THE OWNER.
- GENERAL CONTRACTOR SHALL THOROUGHLY CLEAN, DEGREASE, PRIME, AND PAINT (1 PRIMER COAT, 2 FINISH COATS) THE EXISTING CONVECTOR COVERS. COLOR TO BE SELECTED BY OWNER/ARCHITECT.

NJ Certificate of Authorization	
Eng. No.	24627937500
Arch. No.	21AC00012400
Date	12/14/2022
Checked	TW
Drawn	AK

THOMAS WIGHARD, P.E.
 License No. NJZ46490100
 PROFESSIONAL ENGINEER

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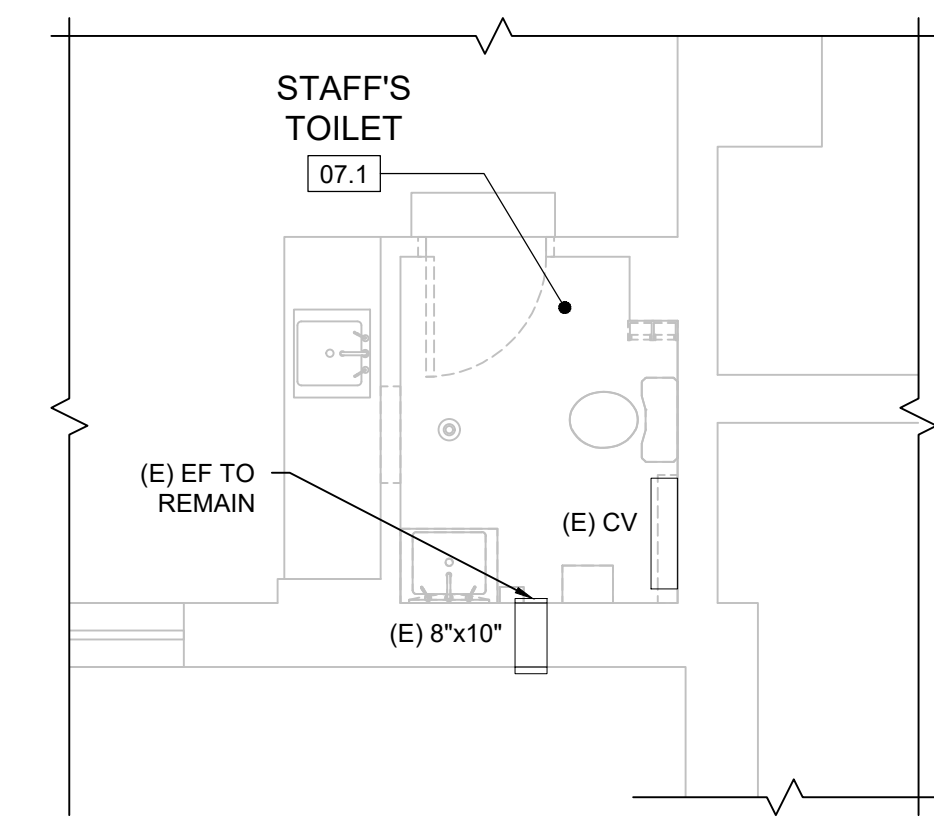
LAN ASSOCIATES
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GROUND & FIRST FLOOR MECH PLANS
 TOILET ROOM RENOVATIONS
 ELIZABETH HADDON ELEMENTARY SCHOOL
 501 WEST REDMAN AVENUE
 HADDONFIELD, NJ, 08033

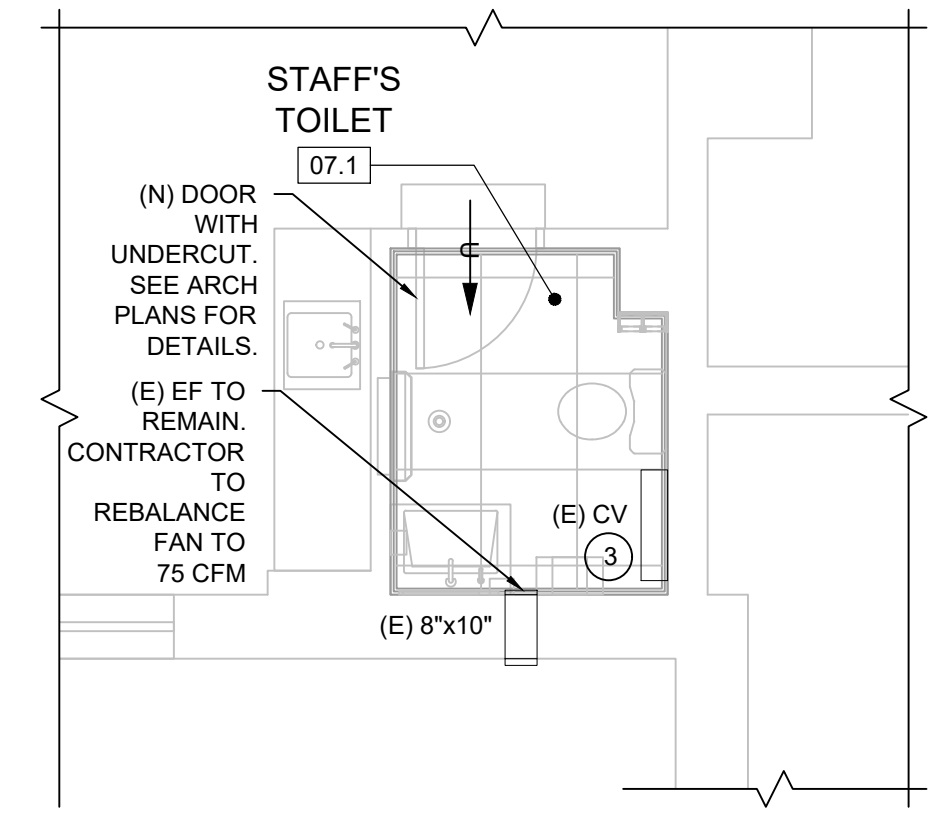
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M2.01

State Project #: 1900-080-22-1000



1 STAFF BATHROOM 07.1
 1/4" = 1'-0" DEMOLITION PLAN



2 STAFF BATHROOM 07.1
 1/4" = 1'-0" PROPOSED PLAN

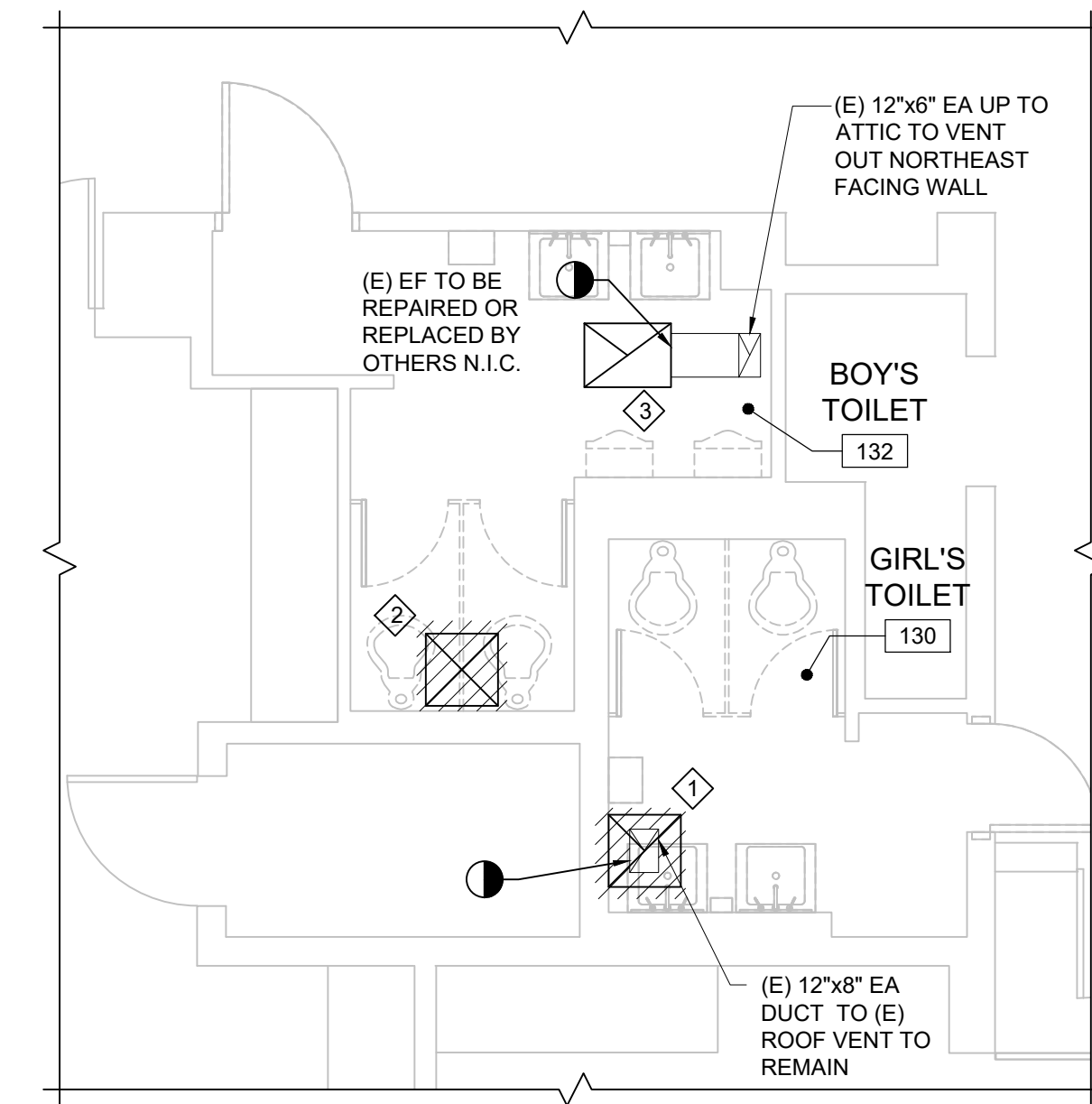
NOTE:
 1. ALL EXISTING EXHAUST FANS SERVING THE BATHROOMS IN THIS SCOPE OF WORK ARE TO BE REPAIRED OR REPLACED BY OTHERS BEFORE THE COMPLETION OF CONSTRUCTION AND ARE NOT IN THE SCOPE OF THIS CONTRACT. NEW EXHAUST FANS WILL ONLY BE PROVIDED IN BATHROOMS THAT DO NOT CURRENTLY HAVE ANY.
 2. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR BALANCING ALL NEW AND EXISTING FANS TO THE CFM LISTED ON THESE PLANS AND SCHEDULES.

DEMOLITION NOTES:

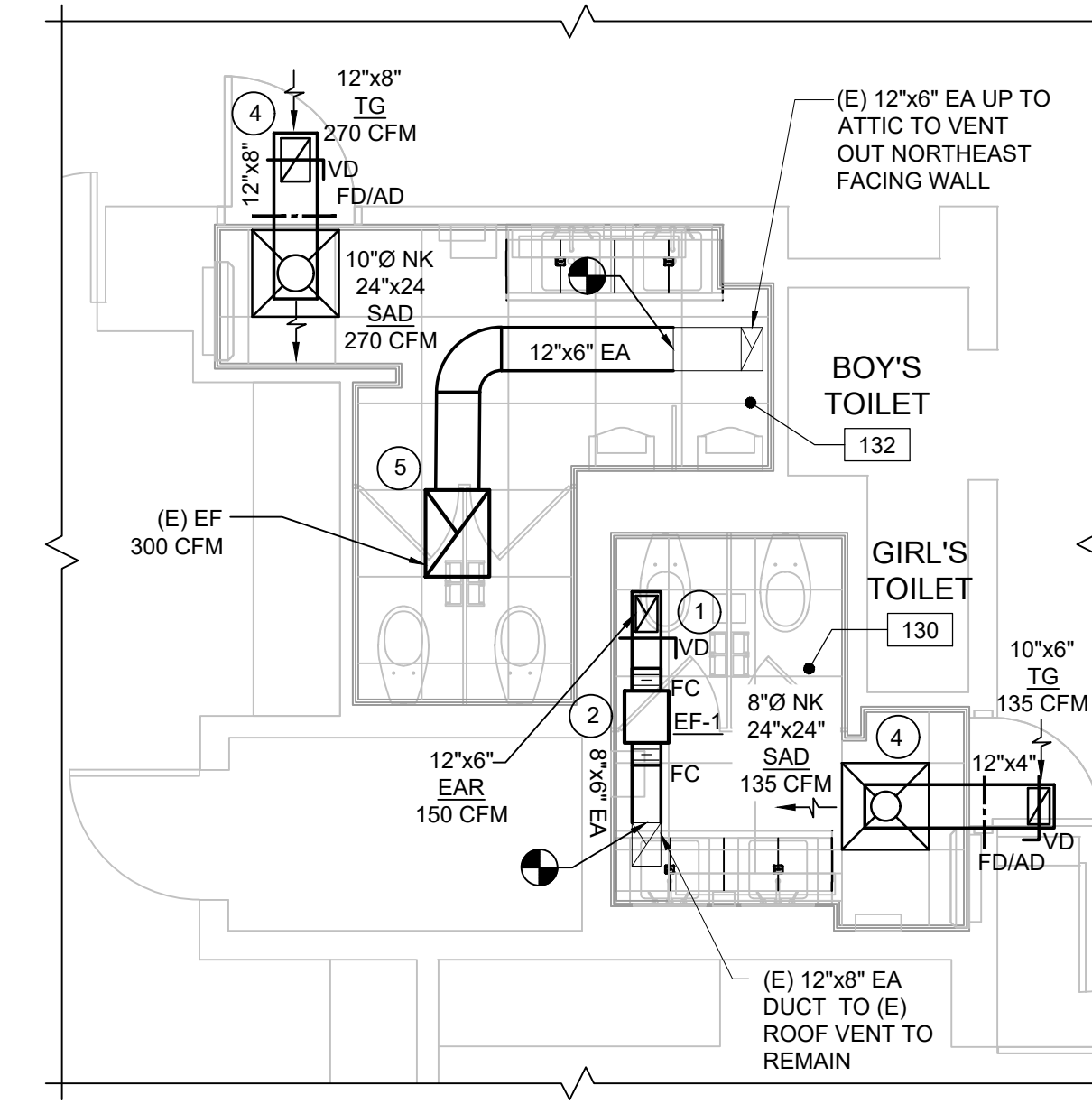
- 1 DISCONNECT & REMOVE EAR COMPLETE WITH ANY DUCT ABOVE CEILING TO THE EXTENT SHOWN ON THE PLANS. VERIFY EXISTING CONNECTION LOCATION AND SIZE IN FIELD. PREPARE EXISTING DUCT TO INCORPORATE SCOPE OF WORK. CAP AND PATCH DUCT TO BE AIR TIGHT IF THERE IS NO NEW CONNECTION.
- 2 DISCONNECT AND REMOVE SAD/SAR. CAP THE DUCTWORK ABOVE THE PROPOSED CEILING AND ABANDON.
- 3 REMOVE EXISTING CEILING EXHAUST FAN TO BE REINSTALLED IN NEW CEILING. EXTEND DUCTWORK TO THE NEW LOCATION AS NECESSARY. VERIFY LOCATION IN FIELD.
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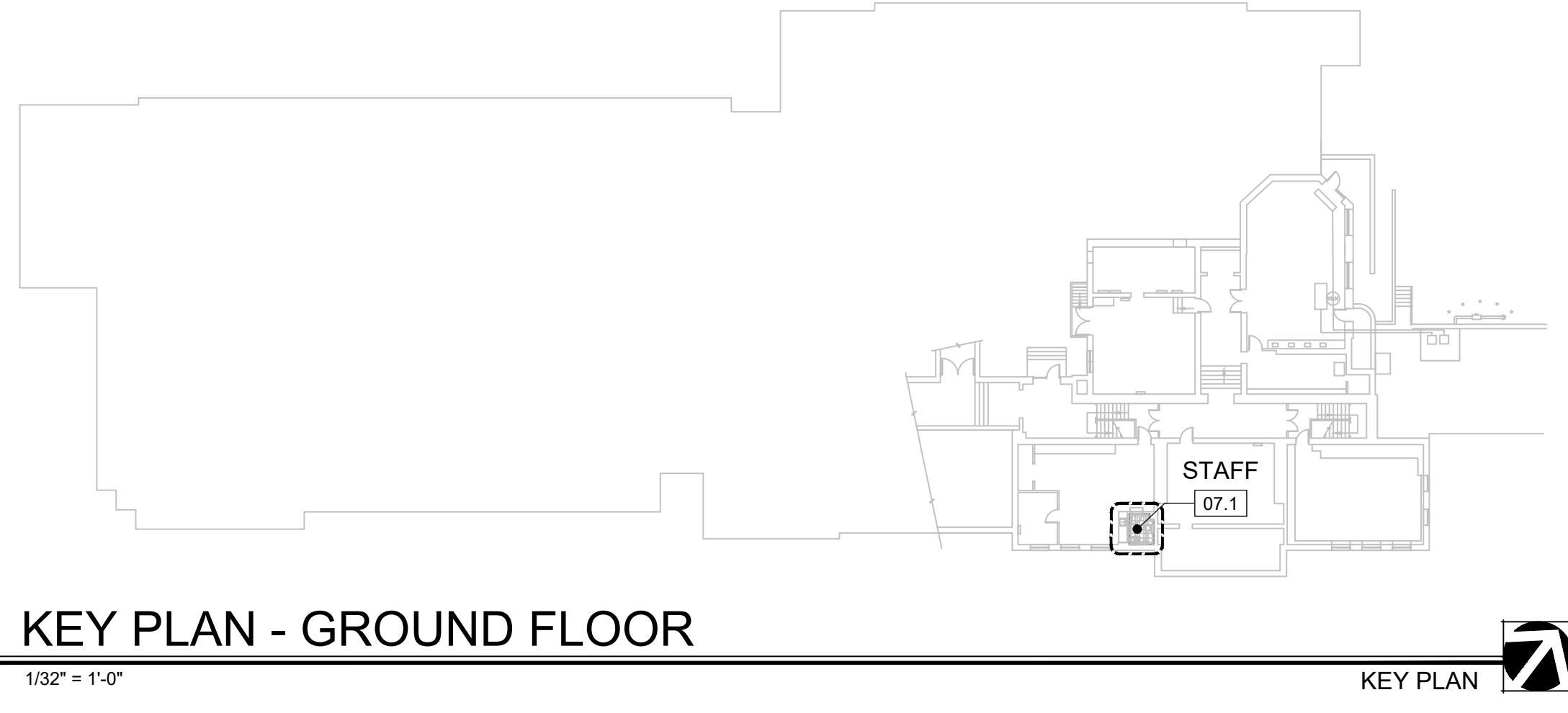
- 1 INSTALL NEW EAR COMPLETE WITH DUCTWORK ABOVE CEILING AS SHOWN ON THE DRAWINGS. SIZE INDICATED ON DRAWINGS. COORDINATE WITH PROPOSED REFLECTED CEILING PLAN.
- 2 INSTALL NEW INLINE EXHAUST FAN ABOVE DROP CEILING EQUIP WITH ALL DUCTWORK, VOLUME DAMPER, ETC. AS INDICATED ON THE PLAN.
- 3 CAREFULLY REMOVE EXISTING CONVECTOR COVER TO BE THOROUGHLY CLEANED, DEGREASED, PRIMED, AND PAINTED (1 PRIMER COAT, 2 FINISH COATS). GENERAL CONTRACTOR RESPONSIBLE FOR CLEANING AND PAINTING THE COVERS. COLOR TO BE SELECTED BY OWNER/ARCHITECT. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THOROUGHLY CLEANING THE INSIDE OF THE EXISTING CONVECTOR CABINET INCLUDING VACUUMING AND COMBING THE FINNED ELEMENTS. TEST AND STROKE ALL VALVES. MAKE NOTE OF BALANCING VALVE SETTING PRIOR TO STROKING. VERIFY EXISTING CONTROL VALVE IS OPERATIONAL. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY BROKEN OR FAILED VALVES OR FITTINGS AND REPLACE IN-KIND. COVER ANY EXPOSED INSULATED HW PIPES WITH JOHNS MANVILLE 30 MIL ZESTON PVC PIPE JACKETS. COLOR TO BE COORDINATED WITH ARCH.
- 4 INSTALL NEW TRANSFER DUCT FROM CORRIDOR TO BATHROOM. PROVIDE FIRE DAMPER AT FIRE RATED WALL. COORDINATE WITH PROPOSED REFLECTED CEILING PLAN. SAWCUT EXISTING WALL FOR NEW OPENING AND INSTALL LINTEL AS REQUIRED.
- 5 REINSTALL EXISTING EXHAUST FAN TO NEW LOCATION. COORDINATE WITH PROPOSED REFLECTED CEILING PLAN. REROUTE DUCTWORK AS NEEDED FOR NEW INSTALLATION. EXISTING NON-FUNCTIONING EXHAUST FANS TO BE REPAIRED OR REPLACED BY OTHERS (N.I.C.) BEFORE THE END OF CONSTRUCTION FOR TESTING AND BALANCING.
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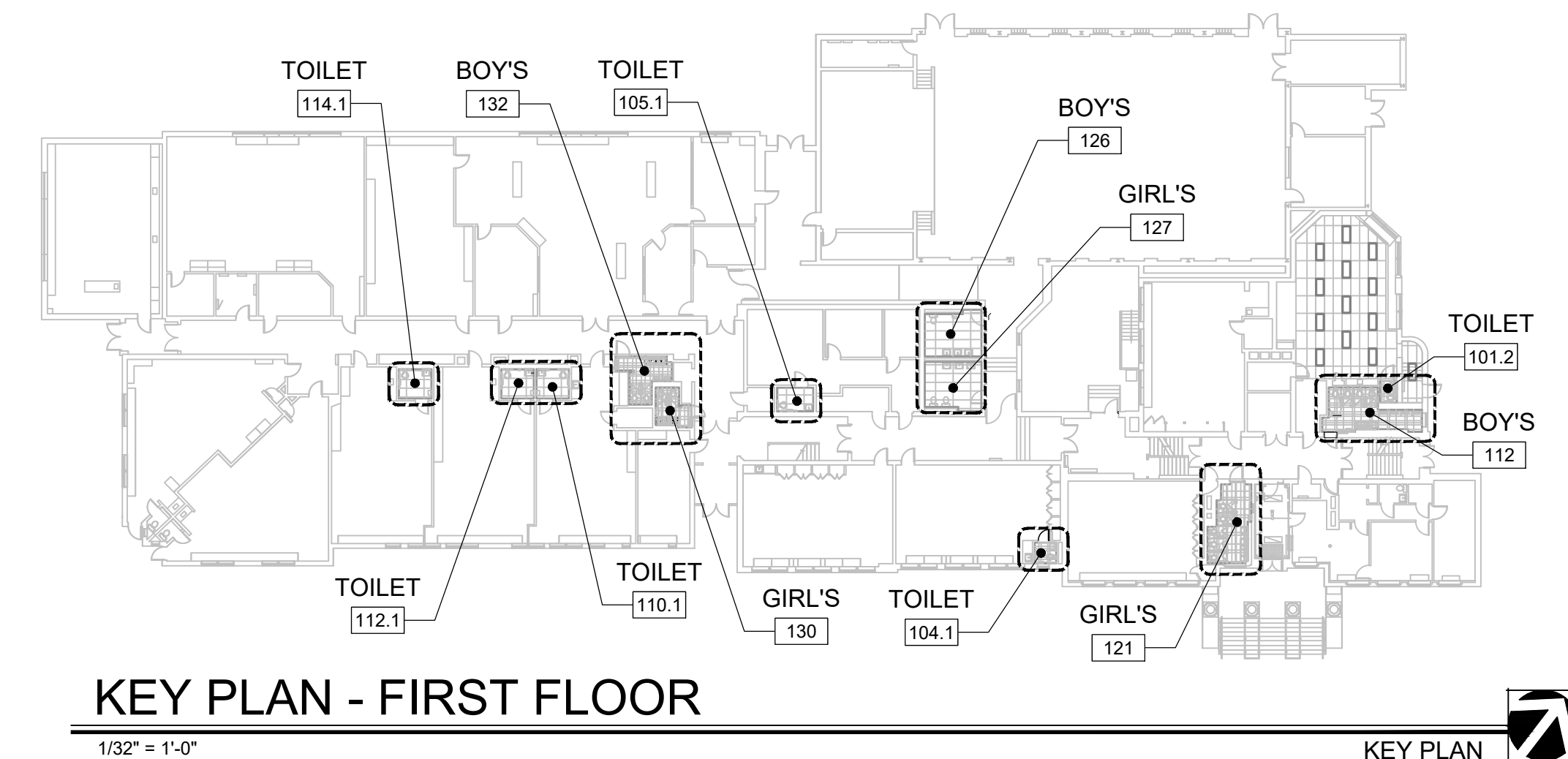
3 BOY'S BATHROOM 132 & GIRL'S BATHROOM 130
 1/4" = 1'-0" DEMOLITION PLAN



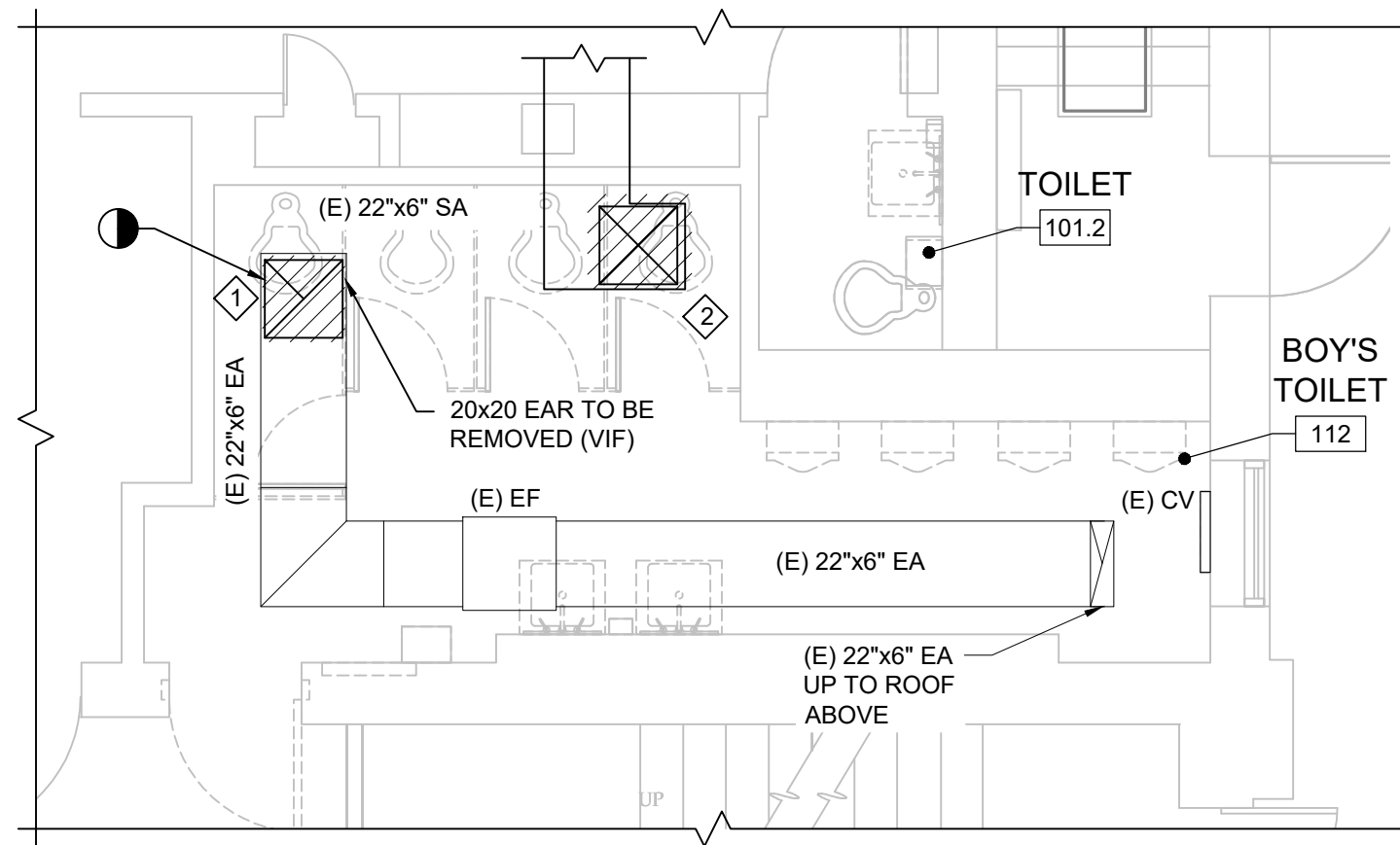
4 BOY'S BATHROOM 132 & GIRL'S BATHROOM 130
 1/4" = 1'-0" PROPOSED PLAN



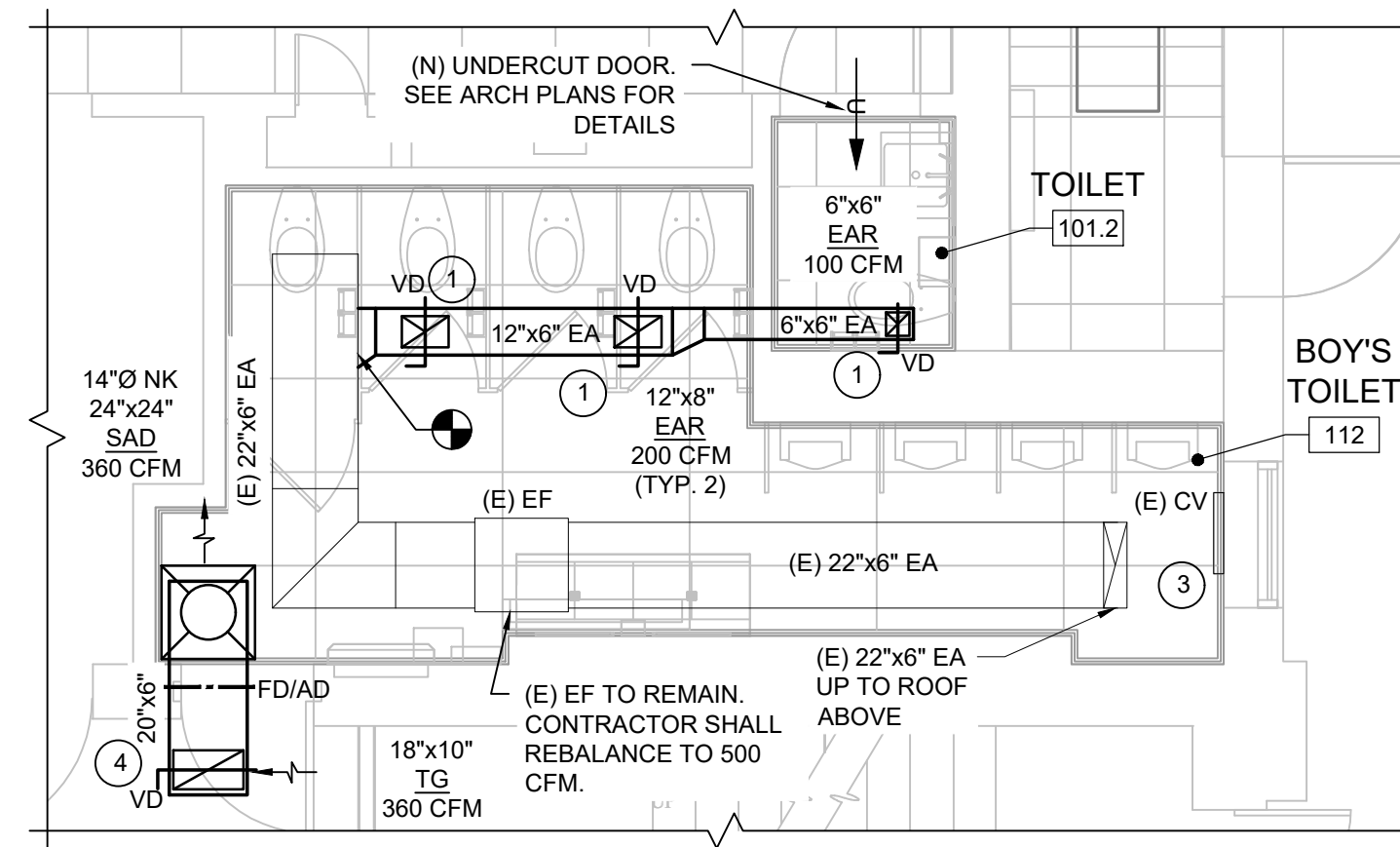
KEY PLAN - GROUND FLOOR
 1/32" = 1'-0" KEY PLAN



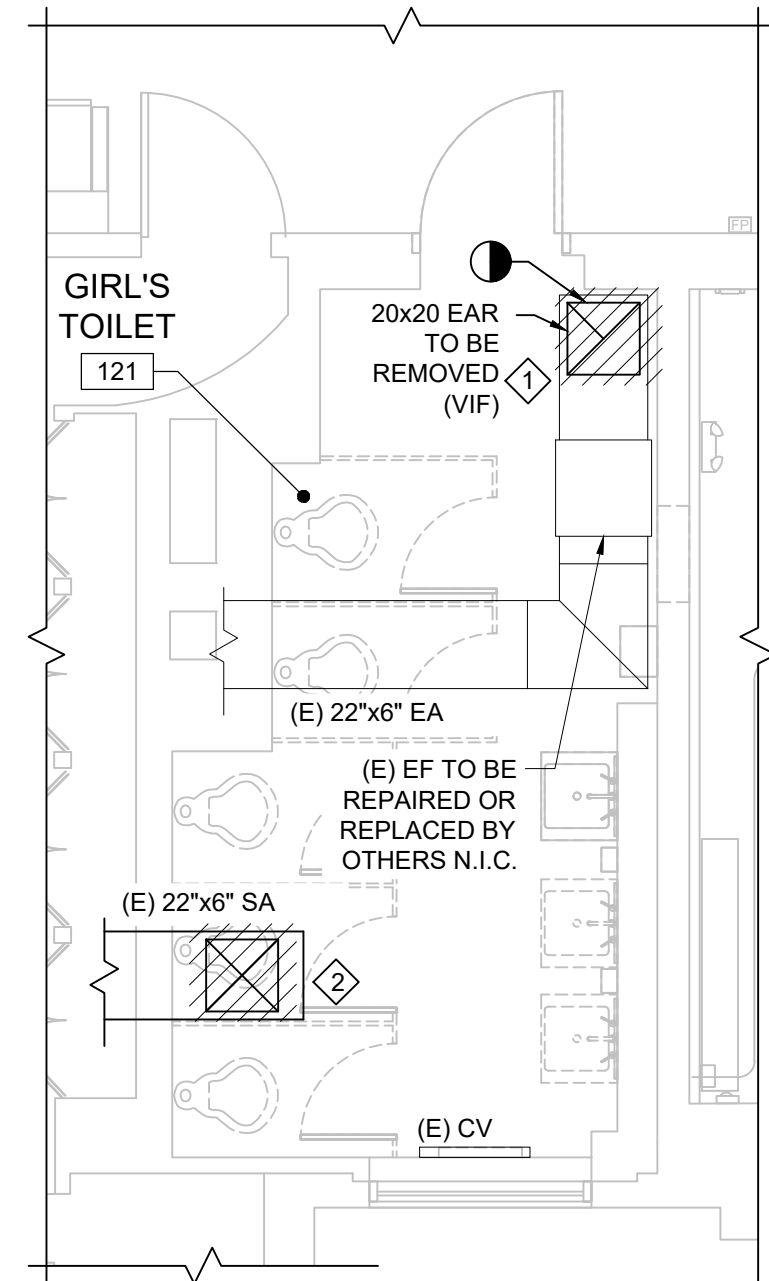
KEY PLAN - FIRST FLOOR
 1/32" = 1'-0" KEY PLAN



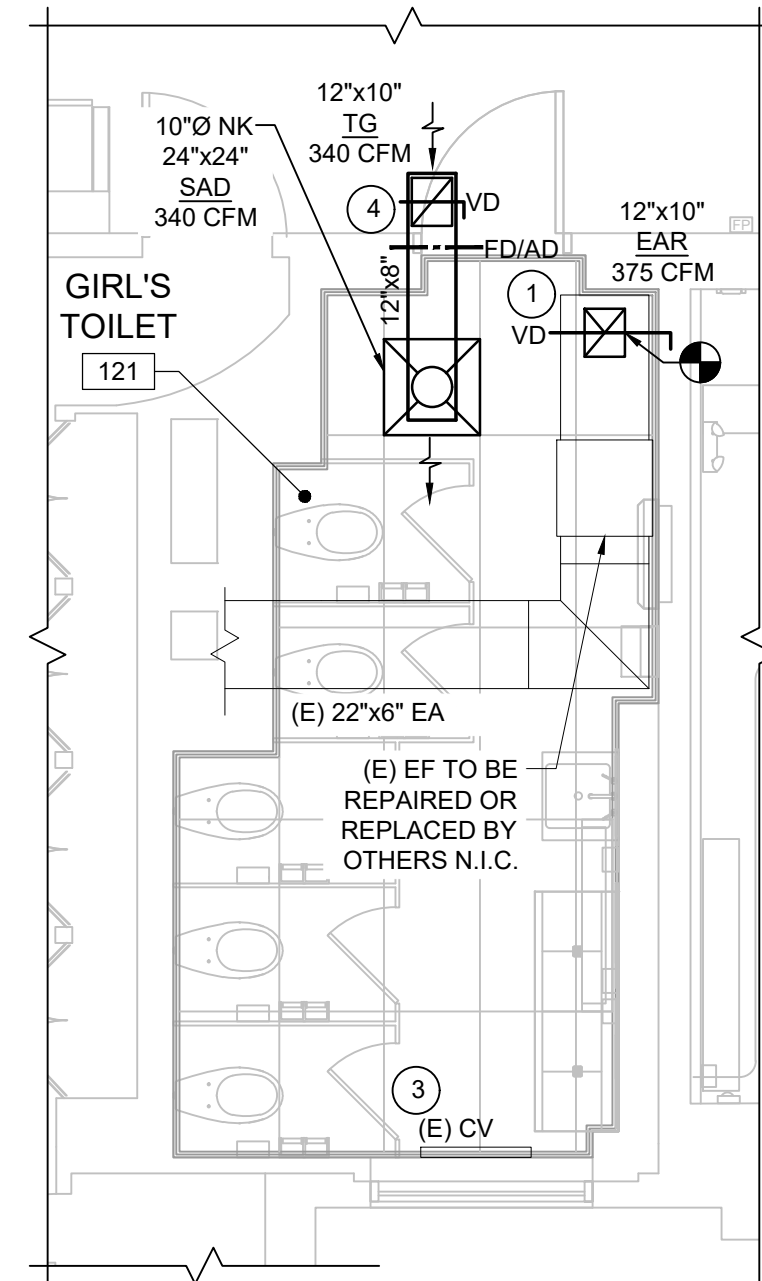
1 BOY'S BATHROOM 112 & TOILET 101.2
1/4" = 1'-0" DEMOLITION PLAN



2 BOY'S BATHROOM 112 & TOILET 101.2
1/4" = 1'-0" PROPOSED PLAN

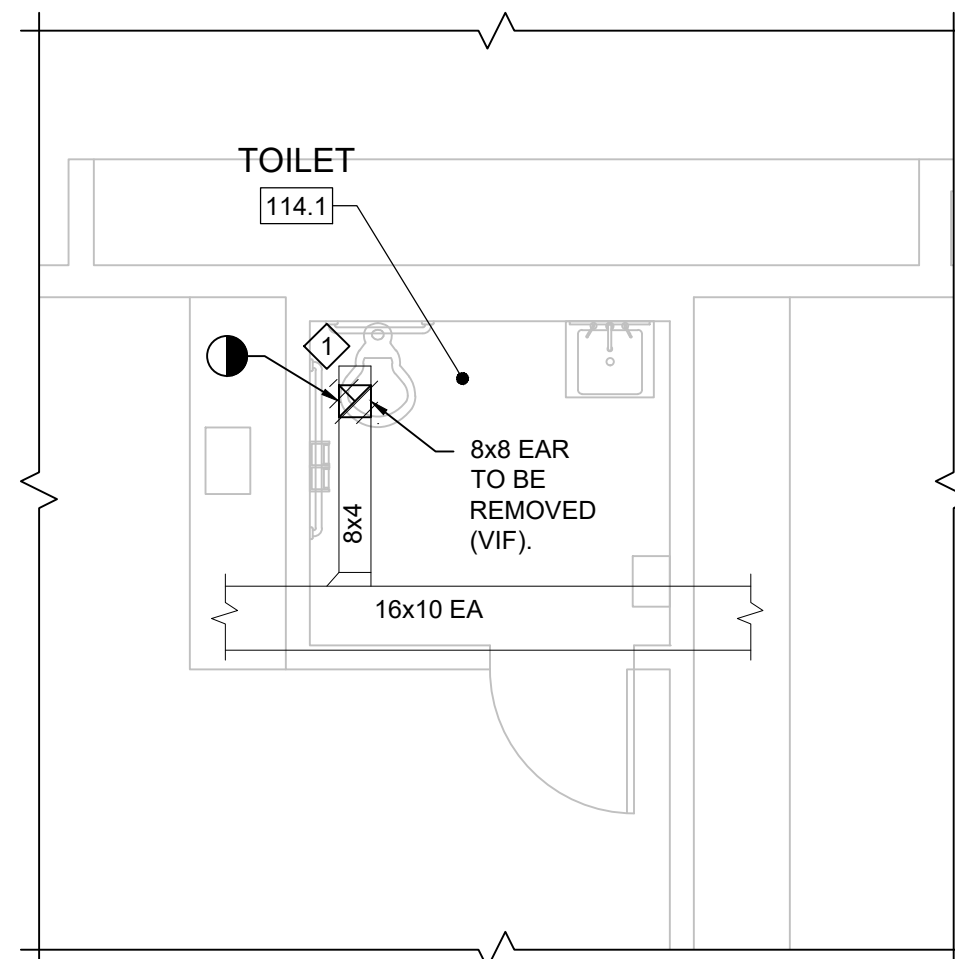


3 GIRL'S BATHROOM 121
1/4" = 1'-0" DEMOLITION PLAN

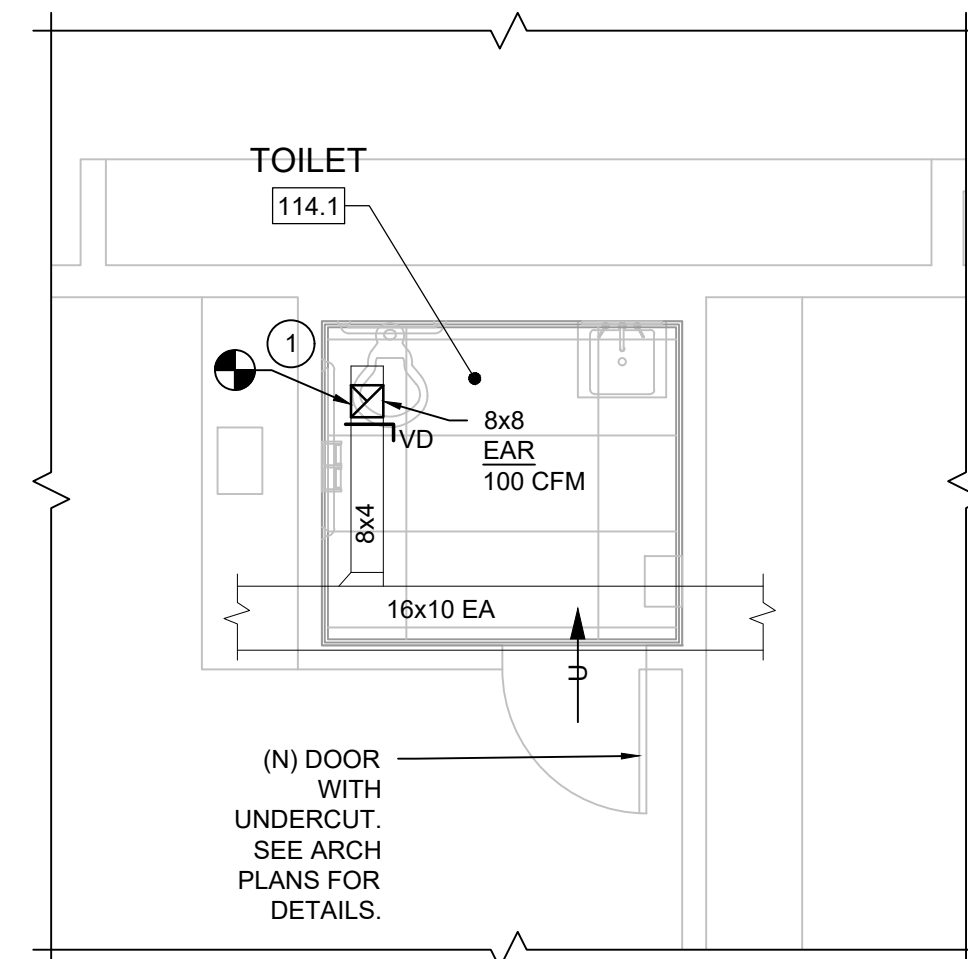


4 GIRL'S BATHROOM 121
1/4" = 1'-0" PROPOSED PLAN

NOTE:
1. ALL EXISTING EXHAUST FANS SERVING THE BATHROOMS IN THIS SCOPE OF WORK ARE TO BE REPAIRED OR REPLACED BY OTHERS BEFORE THE COMPLETION OF CONSTRUCTION AND ARE NOT IN THE SCOPE OF THIS CONTRACT. NEW EXHAUST FANS WILL ONLY BE PROVIDED IN BATHROOMS THAT DO NOT CURRENTLY HAVE ANY.
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5 TOILET 114.1
1/4" = 1'-0" DEMOLITION PLAN



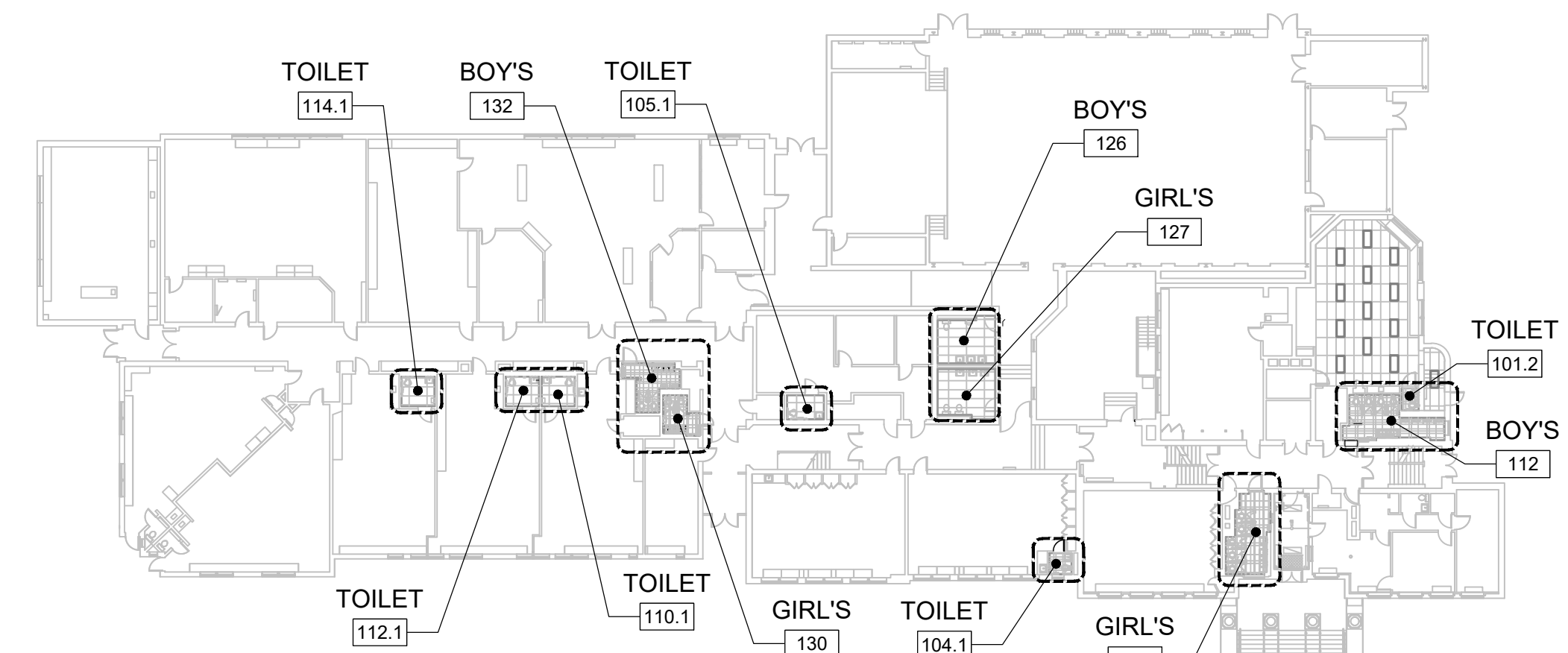
6 TOILET 114.1
1/4" = 1'-0" PROPOSED PLAN

DEMOLITION NOTES:

- DISCONNECT & REMOVE EAR COMPLETE WITH ANY DUCT ABOVE CEILING TO THE EXTENT SHOWN ON THE PLANS. VERIFY EXISTING CONNECTION LOCATION AND SIZE IN FIELD. PREPARE EXISTING DUCT TO INCORPORATE SCOPE OF WORK. CAP AND PATCH DUCT TO BE AIR TIGHT IF THERE IS NO NEW CONNECTION.
- DISCONNECT AND REMOVE SAD/SAR. CAP THE DUCTWORK ABOVE THE PROPOSED CEILING AND ABANDON.
- REMOVE EXISTING CEILING EXHAUST FAN TO BE REINSTALLED IN NEW CEILING. EXTEND DUCTWORK TO THE NEW LOCATION AS NECESSARY. VERIFY LOCATION IN FIELD.
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PROPOSED NOTES:

- INSTALL NEW EAR COMPLETE WITH DUCTWORK ABOVE CEILING AS SHOWN ON THE DRAWINGS. SIZE INDICATED ON DRAWINGS. COORDINATE WITH PROPOSED REFLECTED CEILING PLAN.
- INSTALL NEW INLINE EXHAUST FAN ABOVE DROP CEILING EQUIPT WITH ALL DUCTWORK, VOLUME DAMPER, ETC. AS INDICATED ON THE PLAN.
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KEY PLAN - FIRST FLOOR
1/32" = 1'-0" KEY PLAN

Eng. No.	24047937500
Arch. No.	21AC00012400
Date	12/14/2022
Checked	TW
Drawn	AK

THOMAS WIGHARD, P.E.
PROFESSIONAL ENGINEER
License No. NJZ469490100

Revisions:

12-14-2022	ISSUED FOR BID
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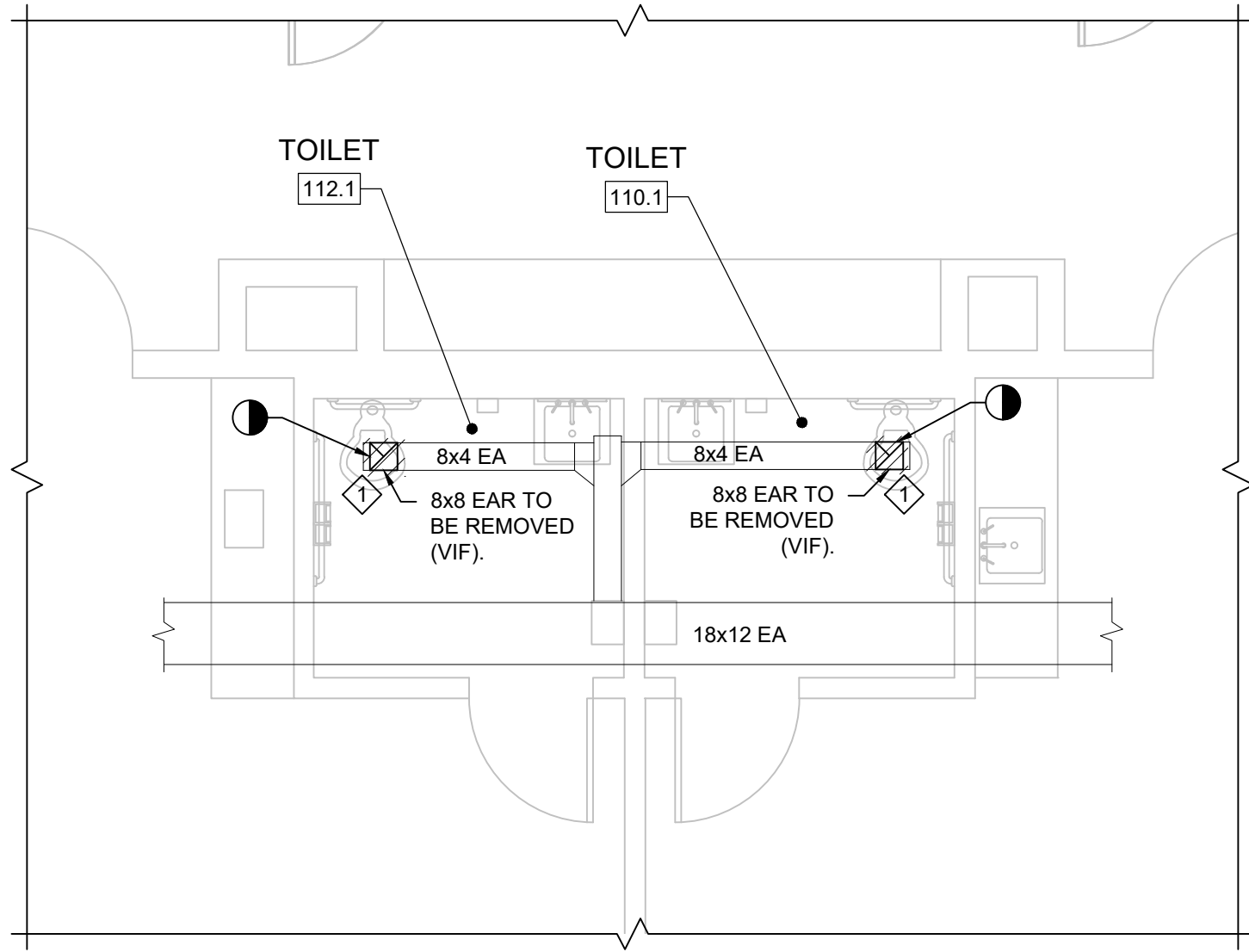
LAN ASSOCIATES
engineering • planning • architecture • surveying
1018 LAUREL OAK ROAD, SUITE 111, VOORHEES, NJ 08043 T. 856-375-2701

FIRST FLOOR MECH PLANS
TOILET ROOM RENOVATIONS
ELIZABETH HADDON ELEMENTARY SCHOOL
501 WEST REDMAN AVENUE
HADDONFIELD, NJ, 08033

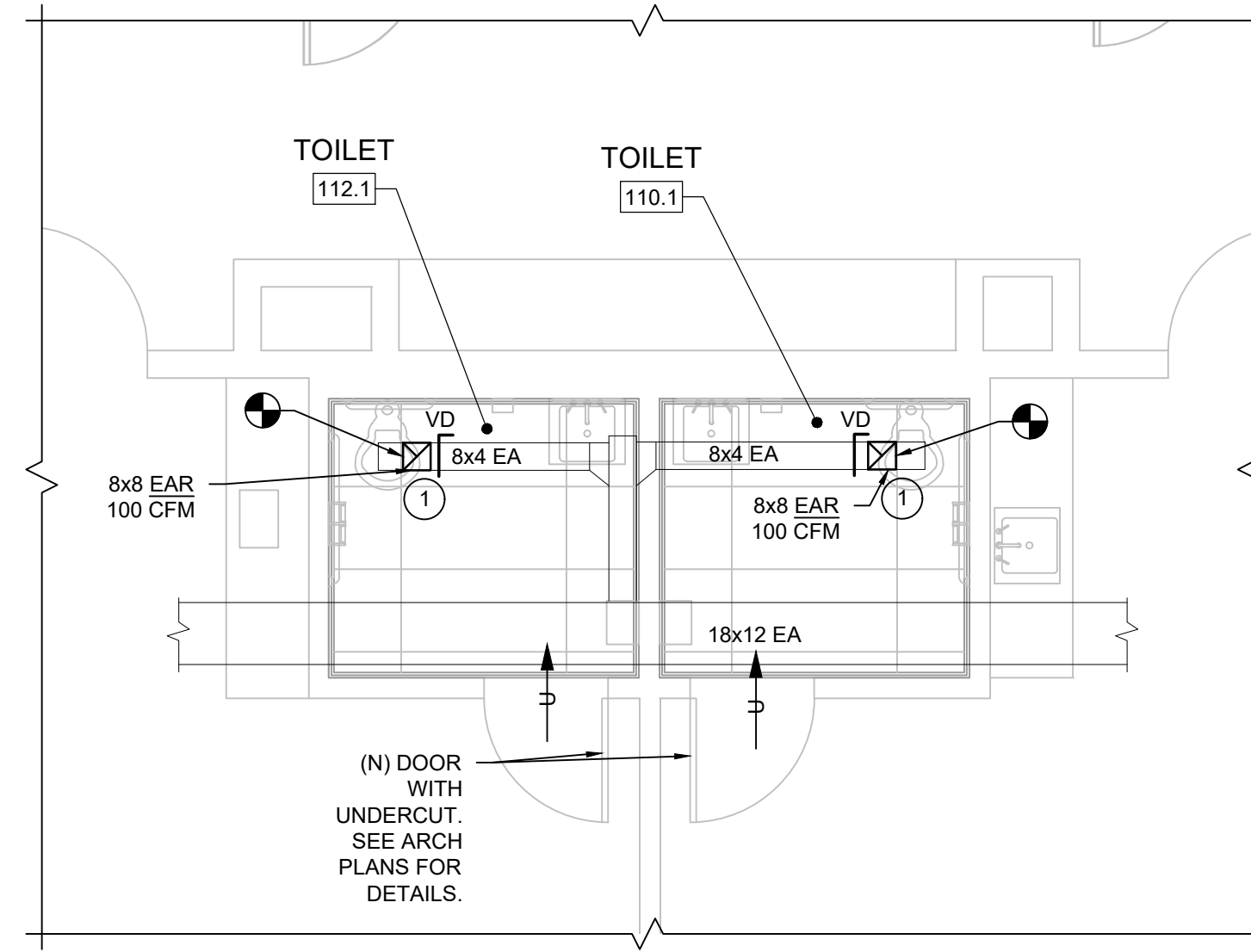
Job No.	20277.14
Rev. No.	20277.14.2M20

M2.02

State Project #: 1900-080-22-1000



1 TOILETS 112.1 & 110.1
1/4" = 1'-0" DEMOLITION PLAN



2 TOILETS 112.1 & 110.1
1/4" = 1'-0" PROPOSED PLAN

DEMOLITION NOTES:

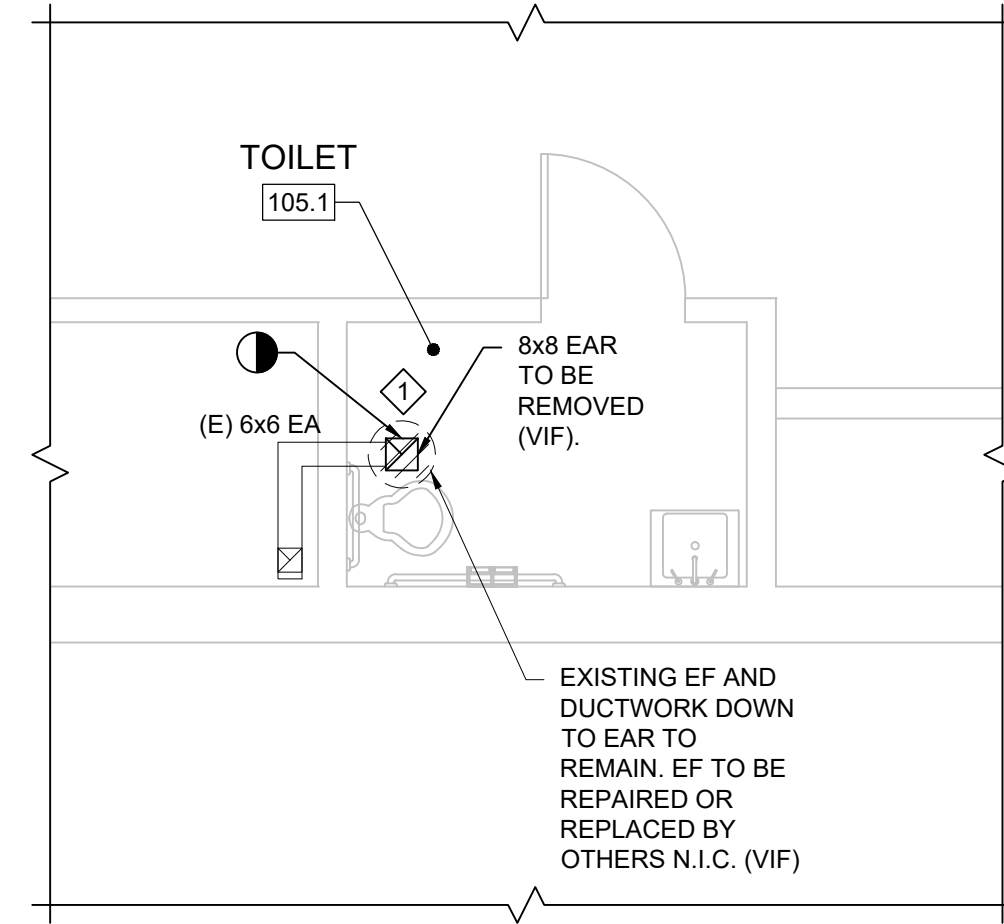
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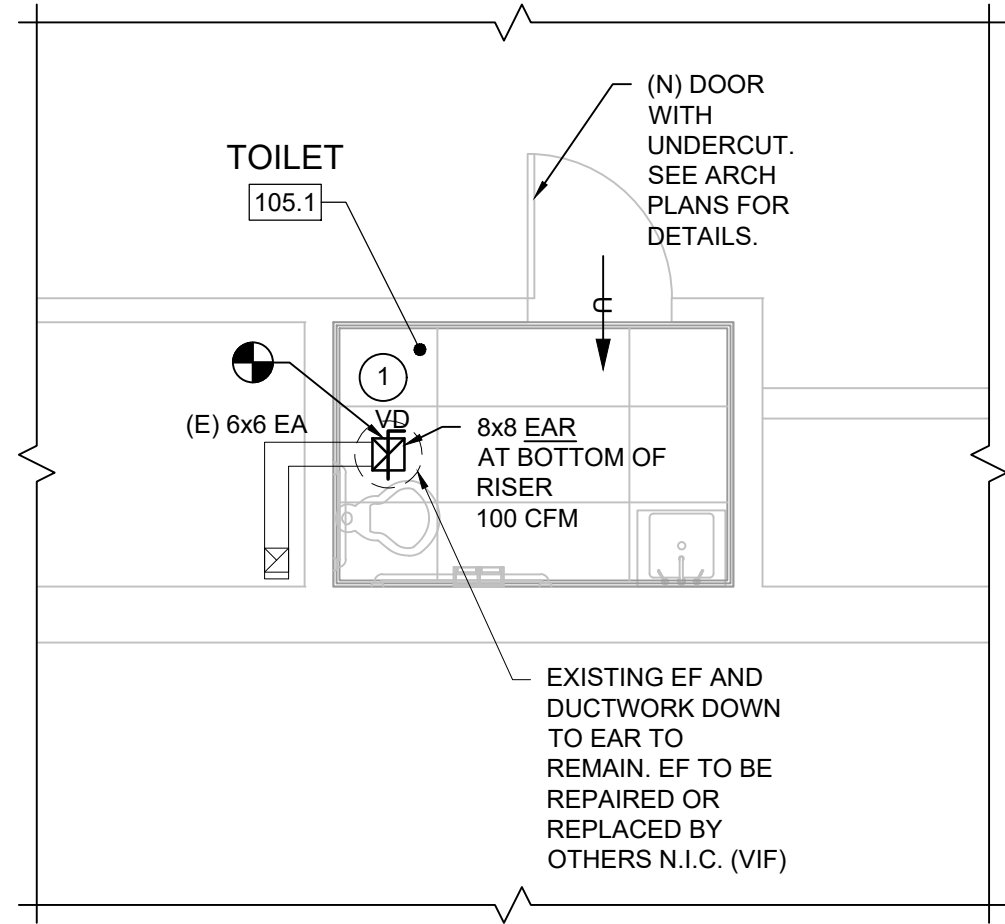
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NOTE:

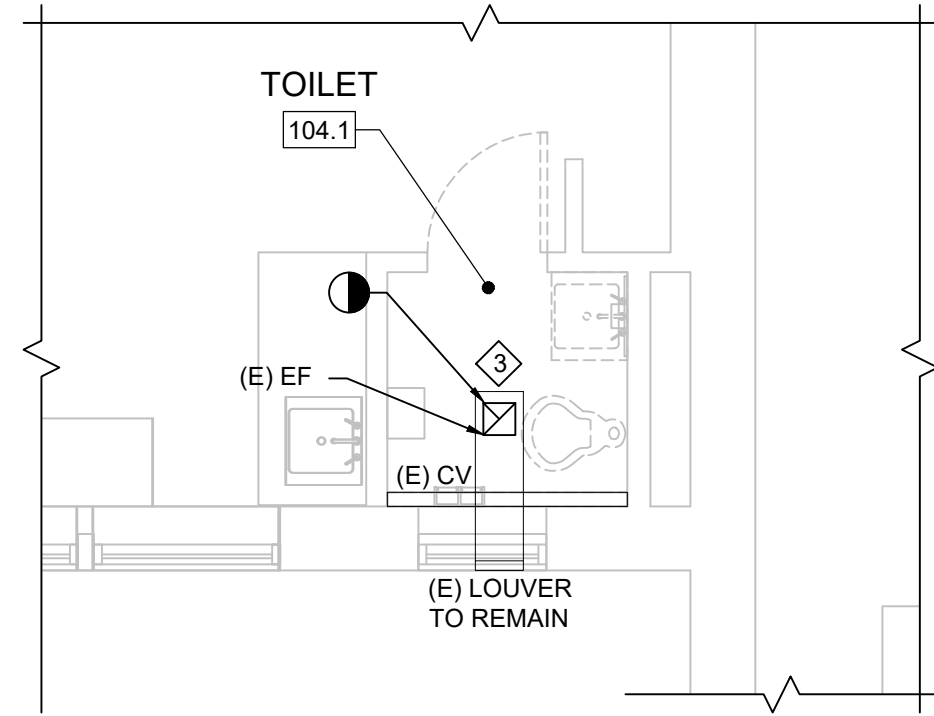
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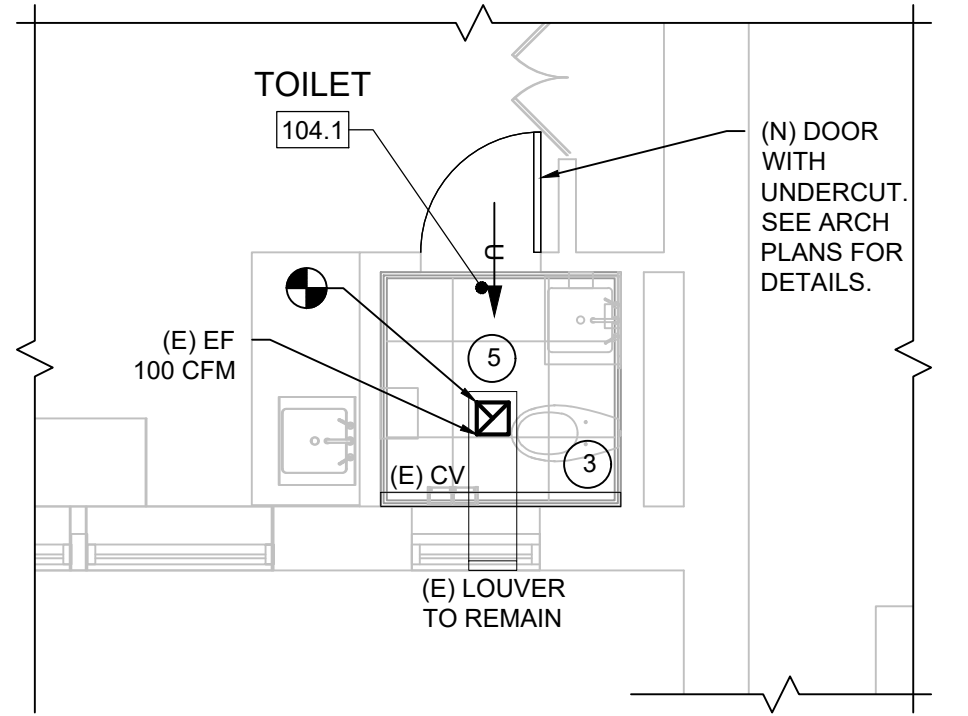
3 TOILETS 105.1
1/4" = 1'-0" DEMOLITION PLAN



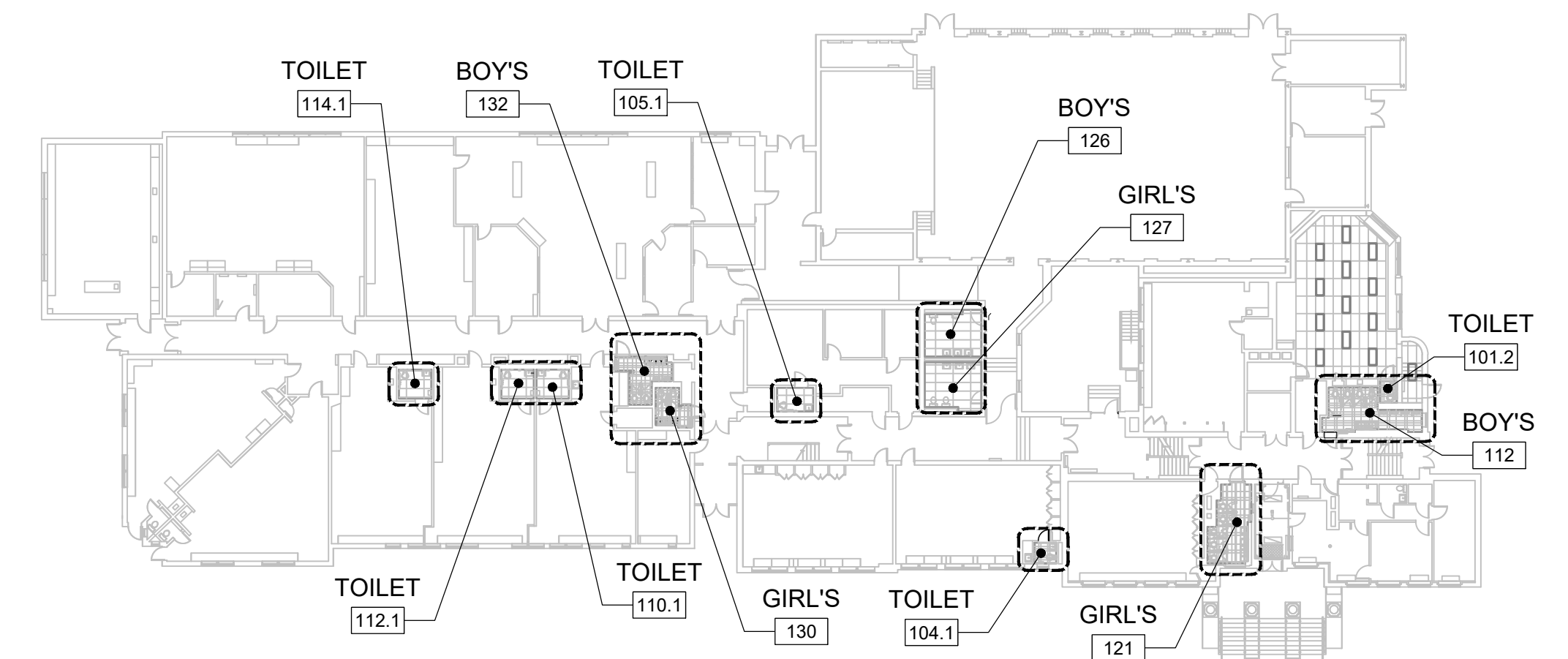
4 TOILETS 105.1
1/4" = 1'-0" PROPOSED PLAN



5 TOILETS 104.1
1/4" = 1'-0" DEMOLITION PLAN



6 TOILETS 104.1
1/4" = 1'-0" PROPOSED PLAN



KEY PLAN - FIRST FLOOR
1/32" = 1'-0" KEY PLAN

Eng. No.	24047937500
Arch. No.	214000012400
Date	12/14/2022
Checked	TW
Drawn	AK

THOMAS WIGHARD, P.E.
PROFESSIONAL ENGINEER
License No. NJ240490100

Revisions:

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Set Issue:
12-14-2022
ISSUED FOR BID

LAN ASSOCIATES
engineering • planning • architecture • surveying
1018 LAUREL OAK ROAD, SUITE 111, VOORHEES, NJ 08043 T. 856-375-2701

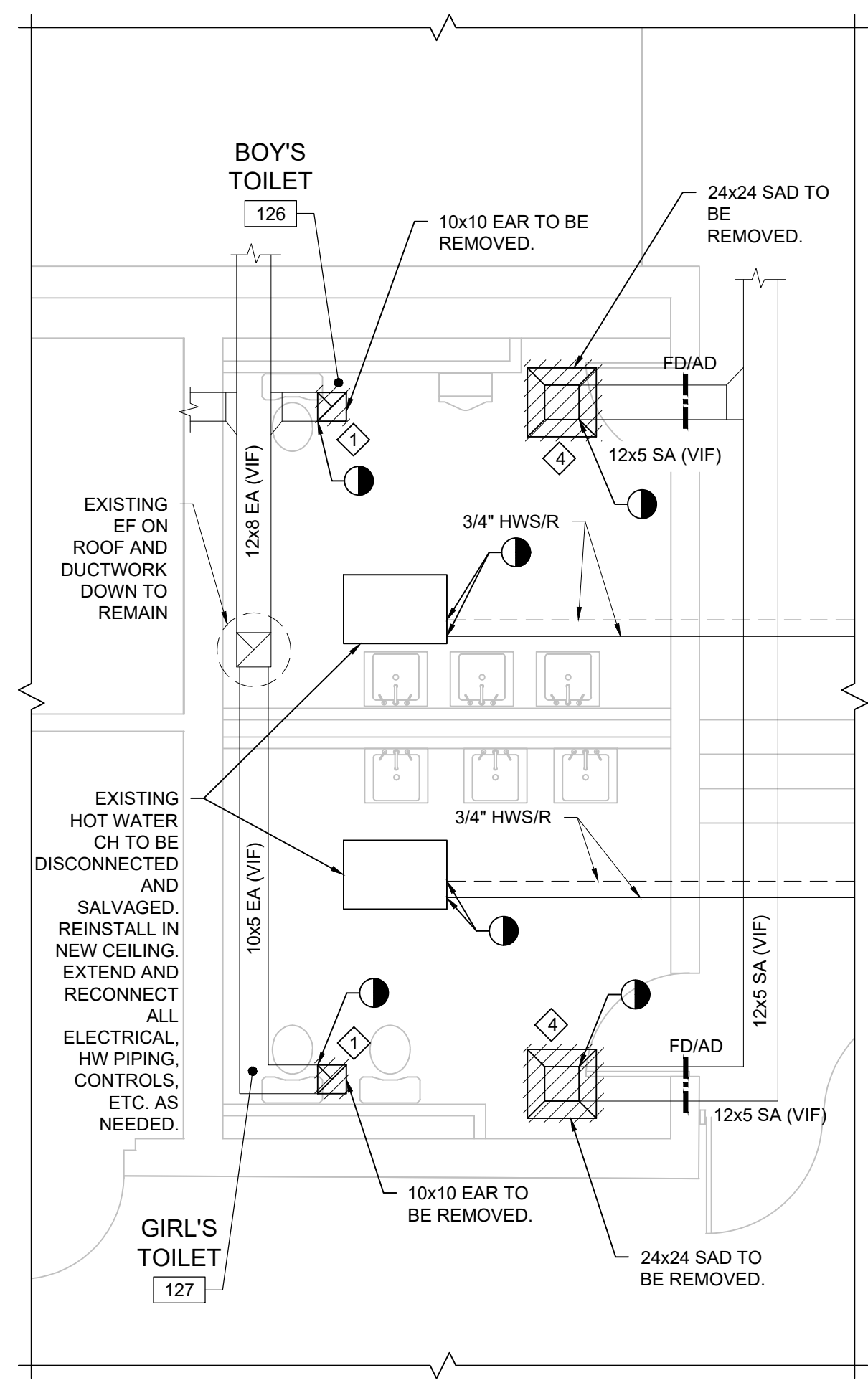
FIRST FLOOR MECH PLANS
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HADDONFIELD, NJ, 08033

Job No. 20277.14
Rev. No. 20277.14.2M20

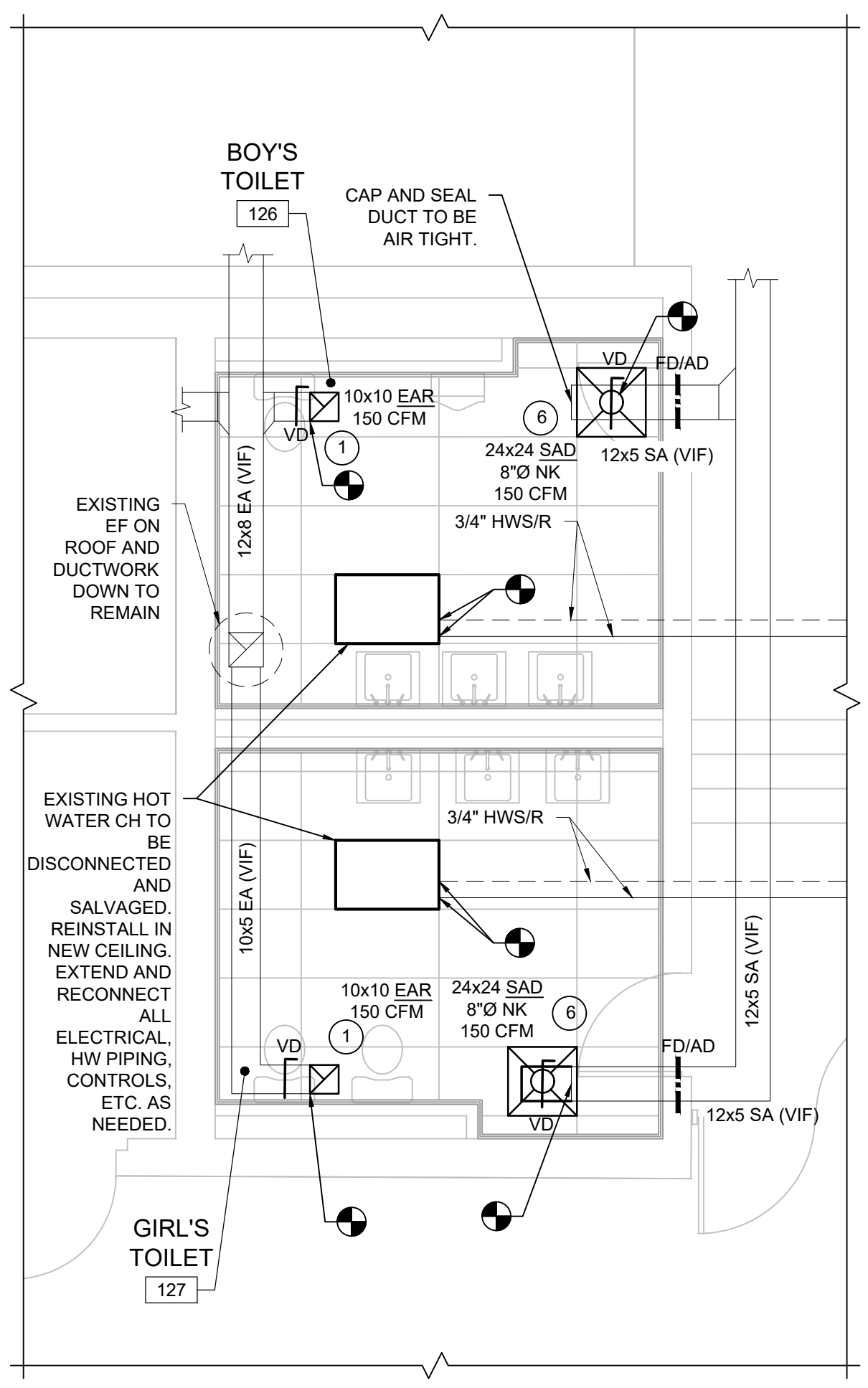
M2.03

State Project #: 1900-080-22-1000

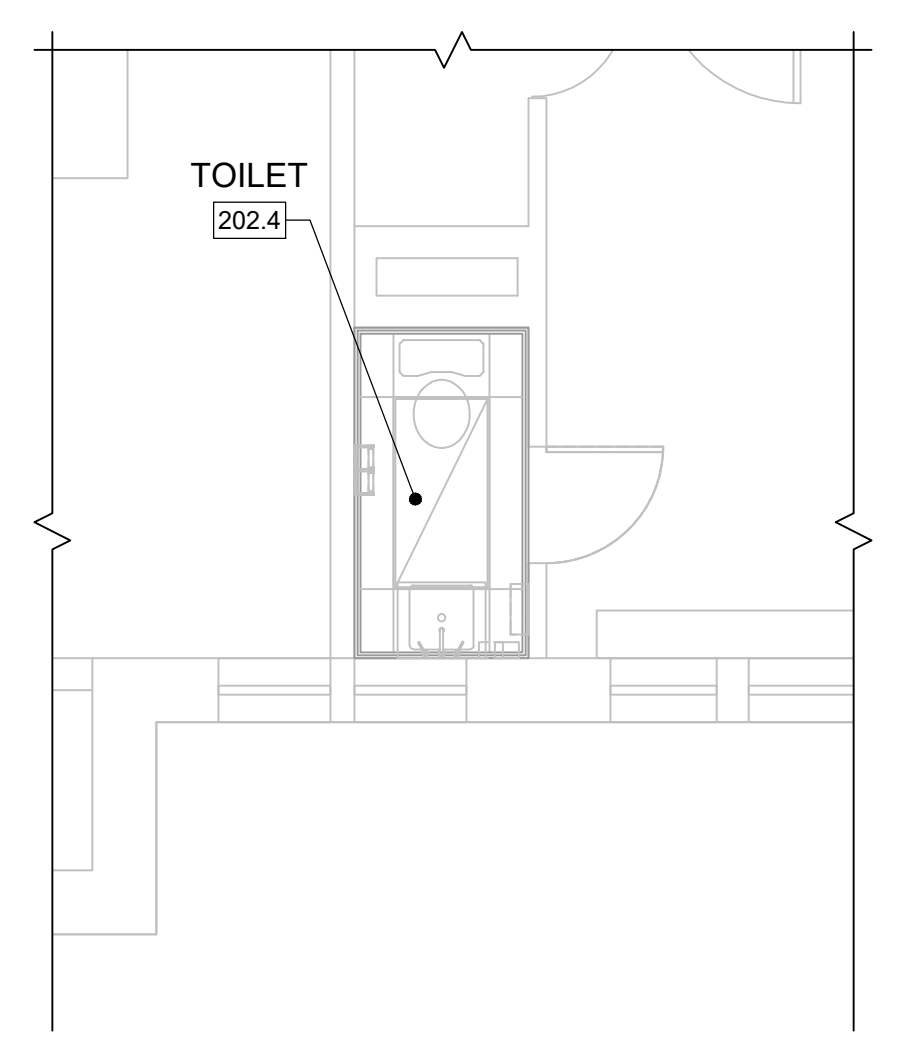
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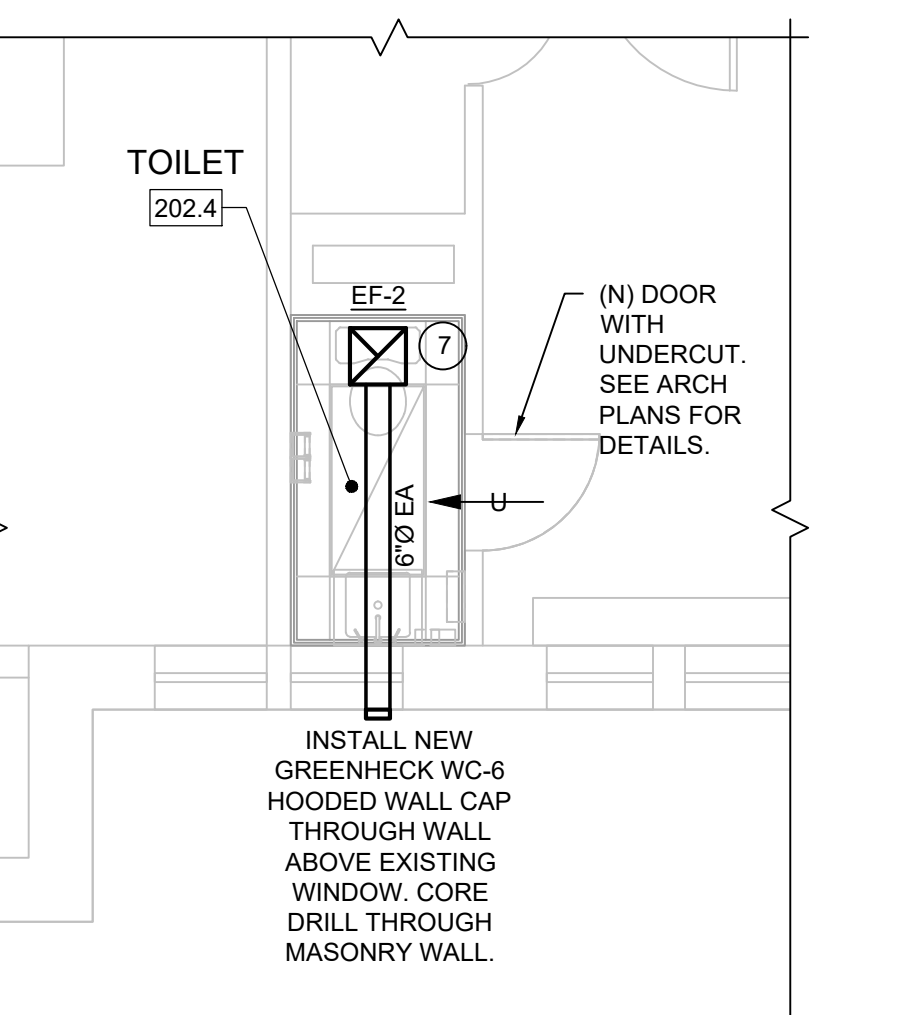
1 BOY'S TOILETS 126 & GIRL'S TOILET 127
1/4" = 1'-0" DEMOLITION PLAN



2 BOY'S TOILETS 126 & GIRL'S TOILET 127
1/4" = 1'-0" PROPOSED PLAN



3 TOILET 202.4
1/4" = 1'-0" DEMOLITION PLAN



4 TOILET 202.4
1/4" = 1'-0" PROPOSED PLAN

DEMOLITION NOTES:

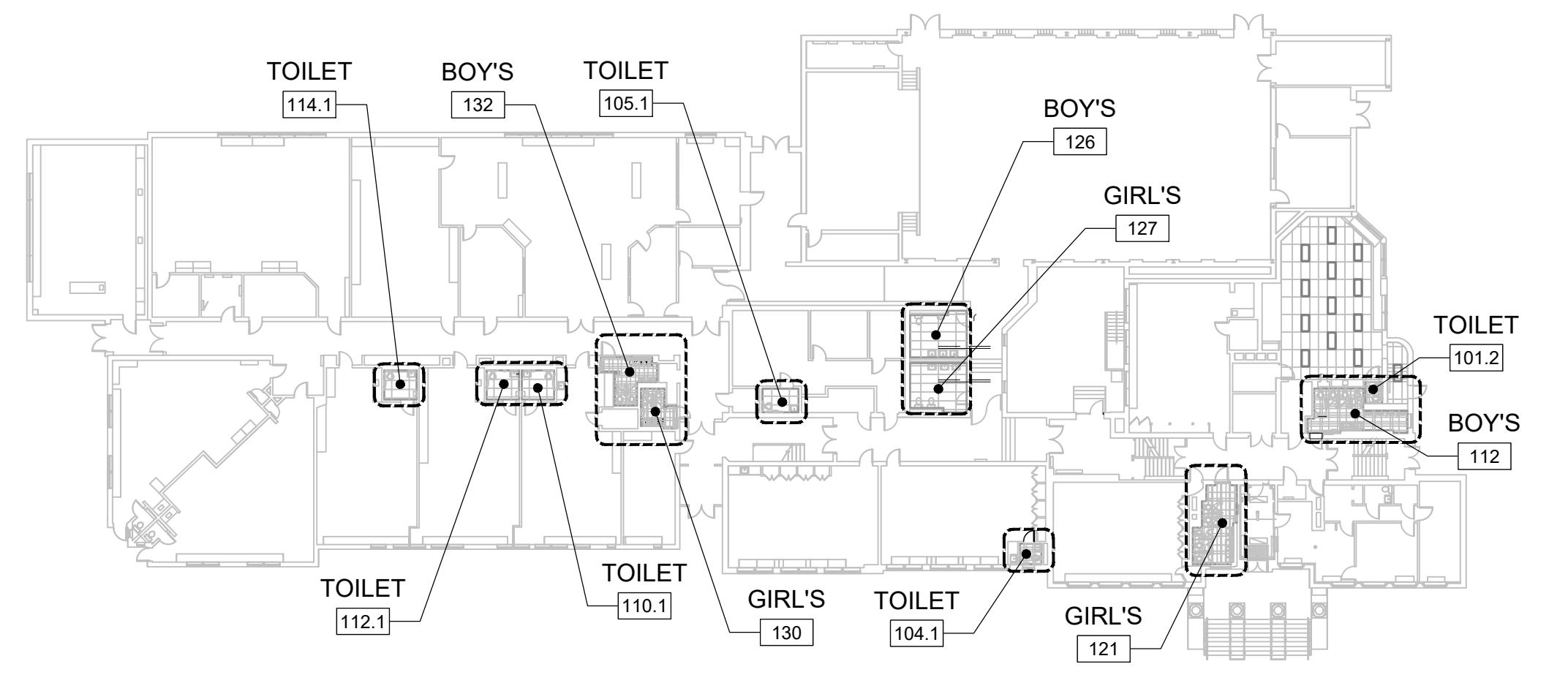
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PROPOSED NOTES:

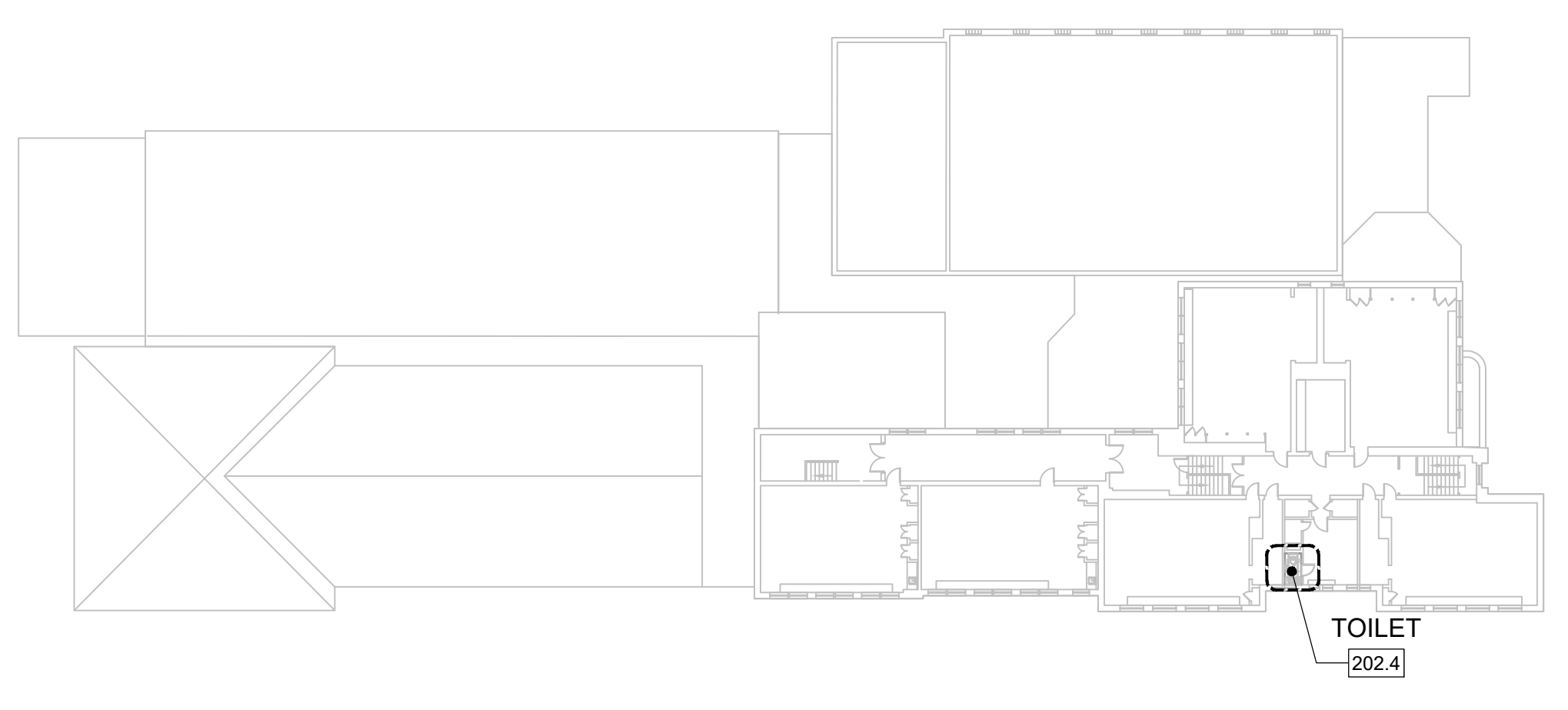
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NOTE:

1. ALL EXISTING EXHAUST FANS SERVING THE BATHROOMS IN THIS SCOPE OF WORK ARE TO BE REPAIRED OR REPLACED BY OTHERS BEFORE THE COMPLETION OF CONSTRUCTION AND ARE NOT IN THE SCOPE OF THIS CONTRACT. NEW EXHAUST FANS WILL ONLY BE PROVIDED IN BATHROOMS THAT DO NOT CURRENTLY HAVE ANY.
2. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR BALANCING ALL NEW AND EXISTING FANS TO THE CFM LISTED ON THESE PLANS AND SCHEDULES.



KEY PLAN - FIRST FLOOR
1/32" = 1'-0" KEY PLAN



KEY PLAN - SECOND FLOOR
1/32" = 1'-0" KEY PLAN

NJ Certificate of Authorization	
Engr. No.	24G47937500
Arch. No.	21AC00012400
Date	12/14/2022
Checked	TW
Drawn	AK
THOMAS WIGHARD, P.E. PROFESSIONAL ENGINEER	
Revisions:	
Set Issue: 12-14-2022 ISSUED FOR BID	
LAN ASSOCIATES	
engineering • planning • architecture • surveying	
1018 LAUREL OAK ROAD, SUITE 111, VOORHEES, NJ 08043 T. 856-375-2701	
FRST & SECOND FLOOR MECH PLANS	
TOILET ROOM RENOVATIONS	
ELIZABETH HADDON ELEMENTARY SCHOOL	
501 WEST REDMAN AVENUE	
HADDONFIELD, NJ, 08033	
Job No.	20277.14
File No.	20277.14.2M20
M2.04	

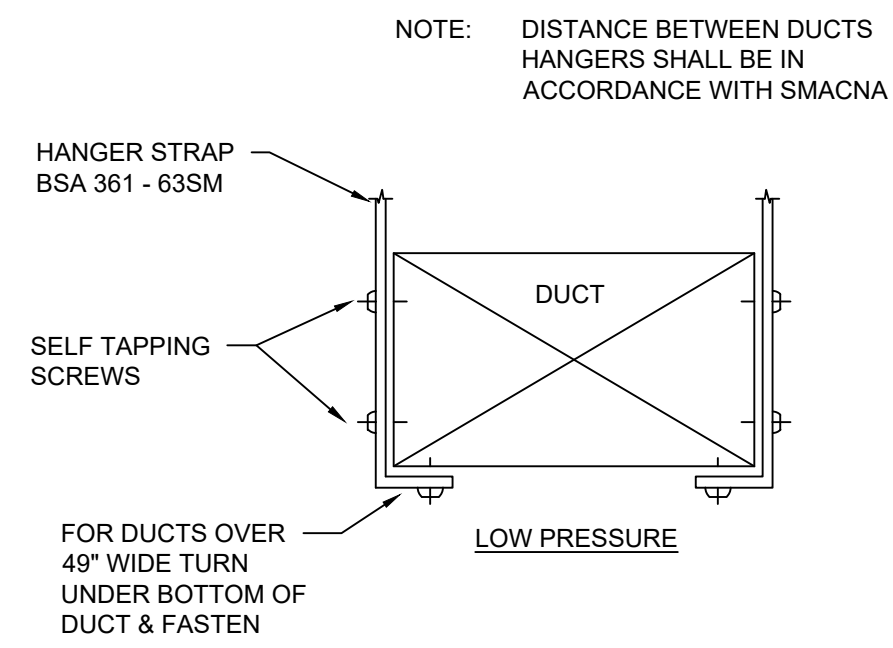
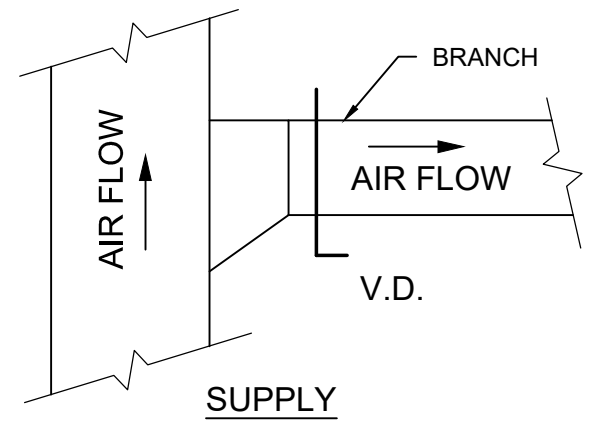
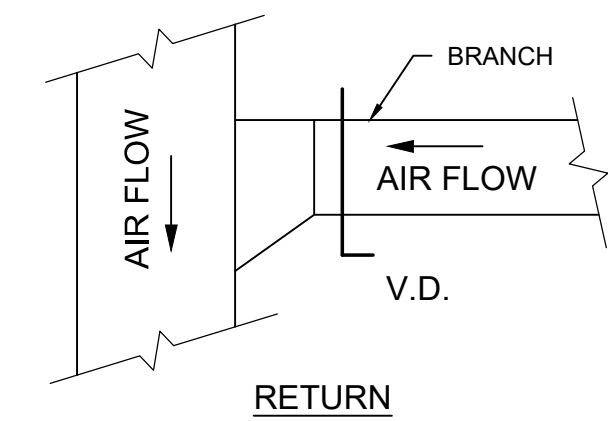
State Project #: 1900-080-22-1000

EXHAUST FAN SCHEDULE

(GREENHECK AS STANDARD)

TAG	LOCATION	TYPE	AREA SERVED	CFM	ESP (IN W.G.)	ELECTRICAL DATA				DIMENSIONS (LxWxH) (In.)	APPROX WEIGHT (Lbs)	MODEL	MANUFACTURER	NOTES
						FLA	BHP	RPM	V / Ph / Hz					
EF-1	CLG ABV GIRL'S BATHROOM 130	INLINE	GIRL'S BATHROOM 130	150	0.32	0.45	0.03	1,400	115/1/60	13 x 11 x 9	16	CSP-A190	GREENHECK	SEE NOTE(S) BELOW
EF-2	CLG. OF 202.4	CEILING MOUNTED	TOILET 202.4	100	0.27	0.18	0.01	1,100	115 / 1 / 60	13 x 11 x 9	17	SP-A125	GREENHECK	SEE NOTE(S) BELOW

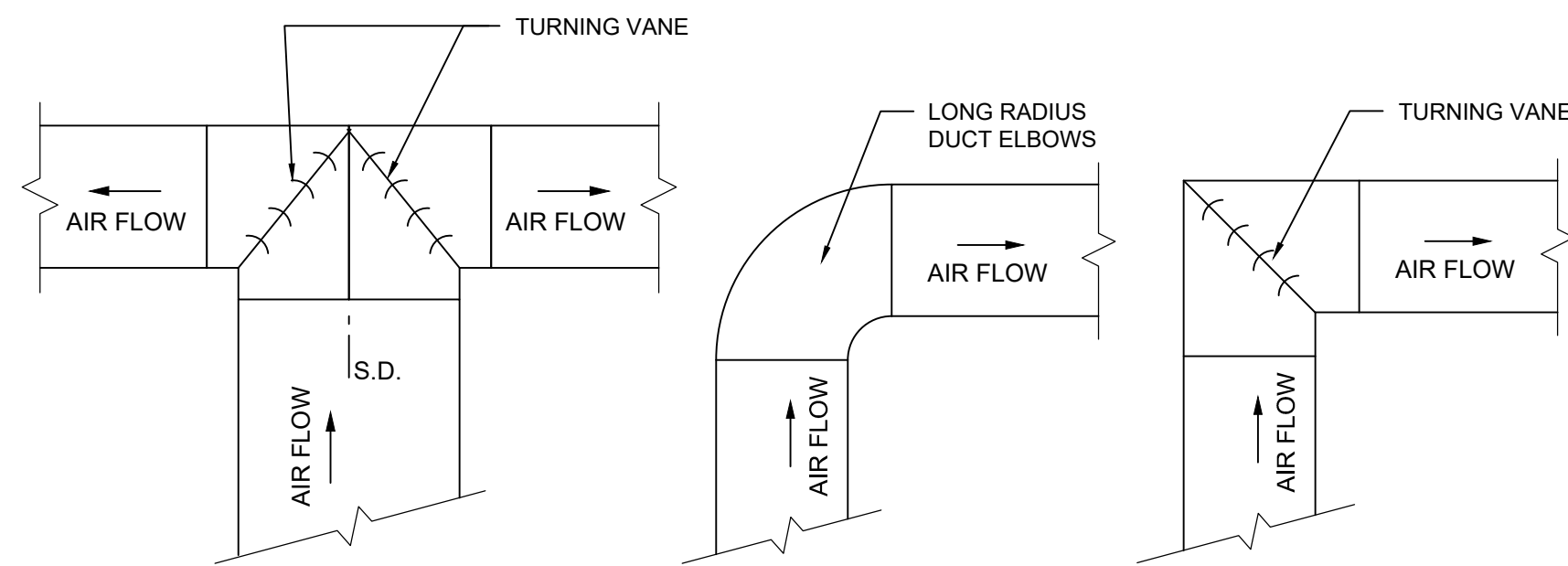
NOTES: PROVIDE WITH HANGING VIBRATION ISOLATORS, FLEXIBLE CONNECTIONS, BACKDRAFT DAMPER, BIRDSCREEN AND DISCONNECT SWITCH. PROVIDE A TIME CLOCK FOR THE FAN TO RUN DURING SCHOOL OCCUPIED HOURS.



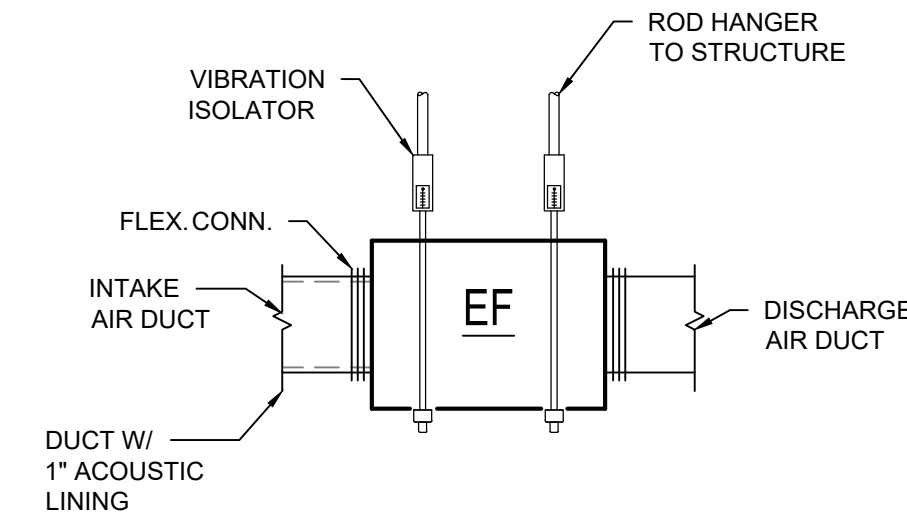
NOTE: DISTANCE BETWEEN DUCTS HANGERS SHALL BE IN ACCORDANCE WITH SMACNA

1 DUCT / DIFFUSER TAKE-OFF DETAIL
N.T.S.

2 DUCT SUPPORT DETAIL
N.T.S.



3 DUCT TURN DETAIL
N.T.S.



4 INLINE EXHAUST FAN DETAIL
N.T.S.

Eng. No.	24047937500
Arch. No.	21AC00012400
Date	12/14/2022
Checked	TW
Drawn	AK

THOMAS WIGHARD, P.E.
Professional Engineer License No. NJ24GE9490100

Revisions:

Set Issue: 12-14-2022
ISSUED FOR BID

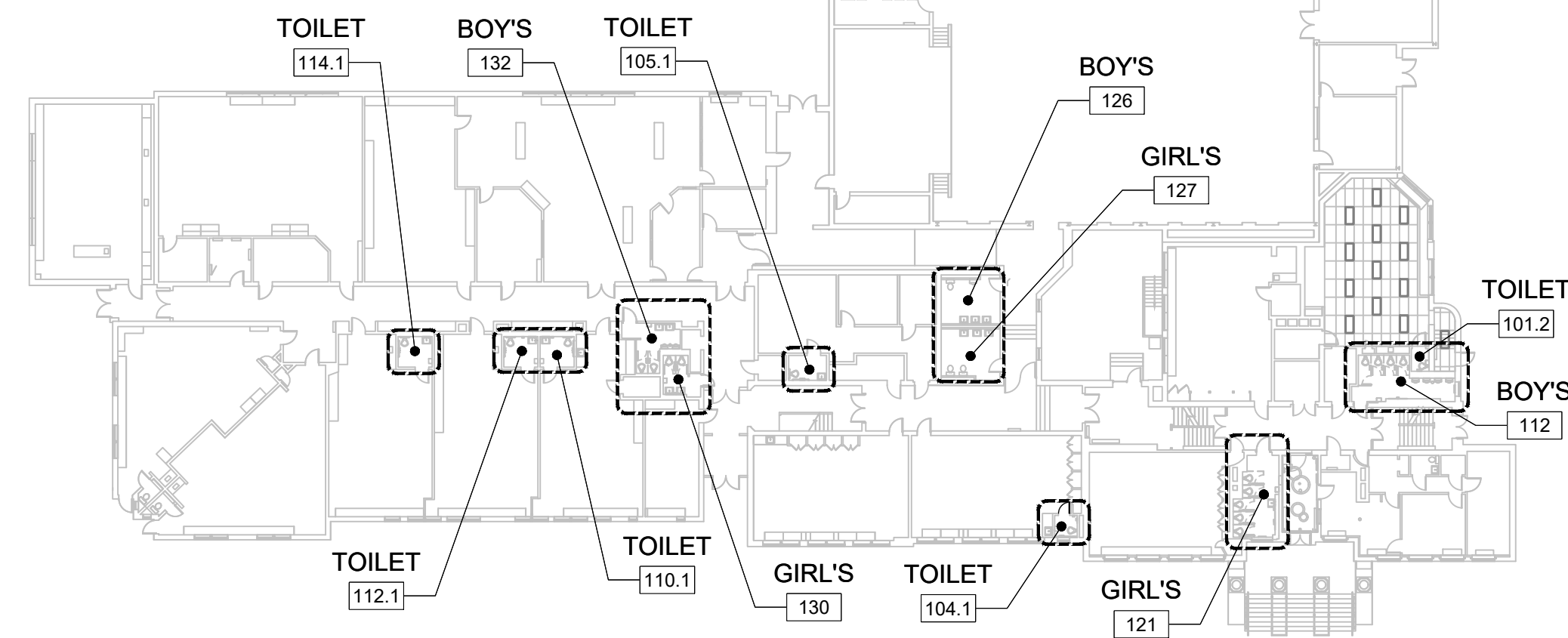
LAN ASSOCIATES
engineering • planning • architecture • surveying
1018 LAUREL OAK ROAD, SUITE 111, VOORHEES, NJ 08043 T. 856-375-2701

MECH SCHEDULES & DETAILS
TOILET ROOM RENOVATIONS
ELIZABETH HADDON ELEMENTARY SCHOOL
501 WEST REDMAN AVENUE
HADDONFIELD NJ, 08033

Job No. 20277.14
File No. 20277.14.2M20

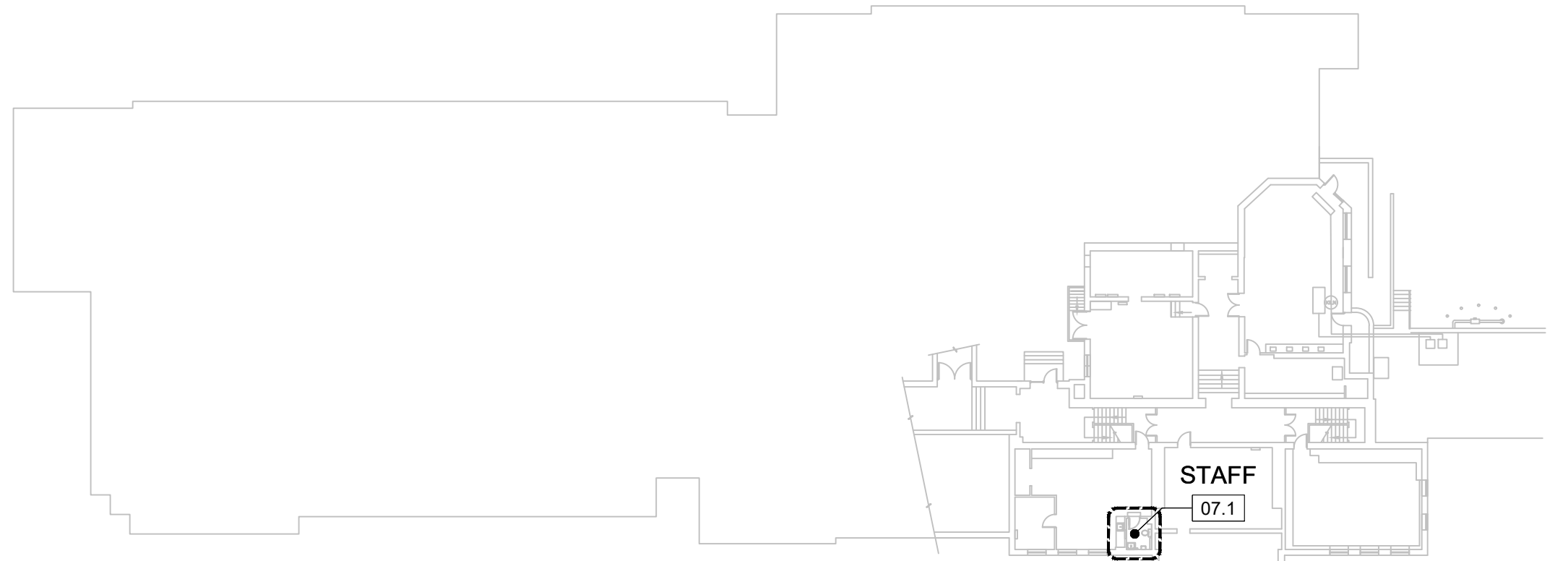
M6.01

State Project #: 1900-080-22-1000



1 KEY PLAN - FIRST FLOOR

1/32" = 1'-0"



2 KEY PLAN - GROUND FLOOR

1/32" = 1'-0"

- #### LIGHTING CONTROL NOTES
- All sensor locations are approximate. Refer to the Manufacturer's installation instructions prior to installation.
 - If any questions arise regarding sensor placement, contact SLS Lighting and Controls prior to installation to schedule a field visit.
 - Ceiling mounted sensors require to be located no closer than 6'-8" from air supply/return registers.
 - Maximum number of sensors that can be wired in parallel to a single room controller or power pack, depends on sensor model (see individual sheets for A consumption).
 - Contractor is responsible for field verification of required number of power packs (if apply).
 - One power pack is required for each circuit that is to be controlled.
 - Power packs and/or DLM Room Controllers are shown for zoning purposes only. Contractor is responsible for determining actual location and circuiting to an accessible location.
 - Power packs (if apply) should be mounted at least 6-12 inches from any sensor.
 - Turn off any power at the circuit breaker before wiring any product.
 - Free-topology DLM local network segments may include digital load controllers, switches and sensors; Cat 5e cable, 150' per device to 1,000' max, per each local network.

LIGHTING CONTROL DESIGN BASED ON ASHRAE 90.1-2016

STAND ALONE ROOM - SEQUENCE OF OPERATION

MULTI-STALL (BOYS & GIRL'S) TOILET ROOMS.
Auto-on/auto-off operation through ceiling sensor, room controller. Digital switch for local control. Use LMCT-100 Configuration Tool to program digital switch for auto-on operation.

SINGLE TOILET ROOM.
Auto-on/auto-off operation through wall switch/sensor.

GENERAL NOTES
All occupancy/vacancy sensors shall turn off respective lighting fixtures 20 min after vacancy.

Local override control shall have a maximum override of no more than two hours per activation during scheduled off periods.

EMERGENCY NOTES
All emergency lighting fixtures shall not be interconnected with lighting control devices.

LIGHTING CONTROL LEGEND LEGRAND WATSTOPPER

LMRC-211	120/277 VAC	1-Relay On/Off 0-10V Dimming Room Controller
LMDC-100	24VDC, 20mA	Dual Technology Ceiling Sensor
LMSW-101	24VDC, 5mA	1-button Digital Wall Switch
PW-301	120/277 VAC	1-Button PIR On/Off Switch Occ Sensor

Device Legend

- | SYMBOL | DESCRIPTION |
|---------|---|
| (E) ⊕ | EXISTING DUPLEX RECEPTACLE (WALL) - EXISTING WALL MOUNTED RECEPTACLE TO REMAIN. |
| (R) S | EXISTING LIGHT SWITCH - EXISTING TOGGLE SWITCH TO BE REMOVED. BACK BOX AND CONDUIT MAY BE RE-USED IF IN GOOD CONDITION. |
| ST | THERMAL OVERLOAD DISCONNECT SWITCH - 120VAC, 1-PH, 20A THERMAL/OVERLOAD DISCONNECT SWITCH |
| (E) ⊕ | EXISTING HEAT DETECTOR - EXISTING HEAT DETECTOR TO REMAIN. |
| (N) ⊕ | NEW HEAT DETECTOR - NEW HEAT DETECTOR. CONTACT JAMES SHIELDS AT ADT PRIOR TO ADDING NEW DEVICES TO CURRENT FIRE ALARM CONTROL PANEL. |
| SP | FLUSH MOUNTED CEILING SPEAKER - FOR NEW SPEAKERS PROVIDE MANUFACTURER'S SPECIFIED WIRE TYPE |
| ⊕-SP | EXISTING WALL MOUNTED SPEAKER - EXISTING WALL MOUNTED SPEAKER TO BE REPLACED WITH NEW FLUSH MOUNT CEILING SPEAKER |
| (E) HDP | EXISTING 120/208V OR 120/240V PANELBOARD - REFER TO PANEL SCHEDULE FOR ADDITIONAL INFORMATION. WHEN SHOWN, DASHED LINES W/ HATCH INDICATE REQUIRED CLEARANCE. |

DEVICE ABBREVIATIONS & DESIGNATIONS

- ABBR. DEFINITION**
- C CONDUIT - NEC COMPLIANT CONDUIT OR RACEWAY FOR CONDUCTORS.
 - CLG CEILING MOUNTED - DEVICE MOUNTED AT CEILING LEVEL. COORDINATE WITH CEILING TYPE.
 - CV CONVECTOR - CONVECTION HEATER
 - EF EXHAUST FAN - ELECTRICAL MOTOR FAN FOR EXHAUST
 - EM EMERGENCY - EMERGENCY LIGHTING DESIGNATED FIXTURE
 - FT FEET - UNIT OF MEASUREMENT
 - G GROUND - EQUIPMENT GROUNDING CONDUCTOR
 - GFCI GROUND FAULT CIRCUIT INTERRUPTER - GROUND FAULT PROTECTED DEVICE
 - PH PHASE - ELECTRICAL PHASE OF ALTERNATING CURRENT

TAG LEGEND

- (R) EXISTING TO BE DISCONNECTED & REMOVED
- (ER) EXISTING TO BE DISCONNECTED & RECONNECTED
- (RR) EXISTING TO BE DISCONNECTED, RELOCATED, & RECONNECTED
- (E) EXISTING TO REMAIN
- (N) NEW

LUMINAIRE SCHEDULE

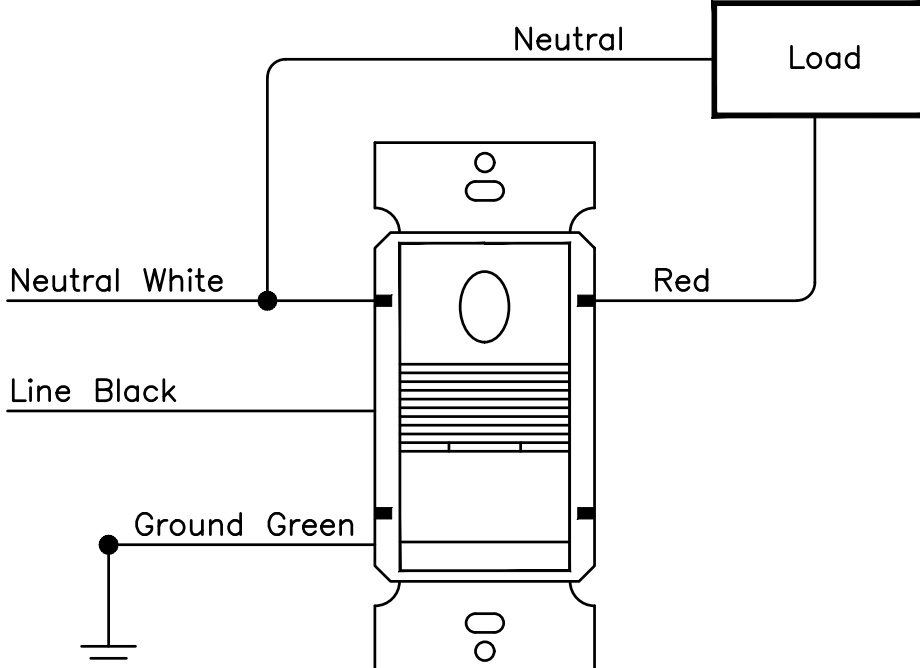
SYMBOL/TYP	MANUF.	MODEL	DESCRIPTION	VOLTAGE	WATT
A	DAY-BRITE CFI-SIGNIFY	2FGX-G-38L-835-4-RS-UNV-DIM	2' x 4' LED LUMINAIRE - GRID LAY-IN	120-277V	27W
B	DAY-BRITE CFI-SIGNIFY	2FGX-G-38L-835-2-RS-UNV-DIM	2' x 2' LED LUMINAIRE - GRID LAY-IN	120-277V	28W
C	FOCAL POINT	FSM4LP-FL-375LF-35K-1C-UNV-LD1-G1-WH-4"	4" x 4" FLUSH MOUNT LED - LINEAR SEEM	120-277V	14W
D	VISA LIGHTING	CB5524-L30K-MVOLT-PTD-DCC	13" LINEAR LED WALL SCNCE	120-277V	11W
EM	CHLORIDE-SIGNIFY	VLLU2	EMERGENCY BATTERY UNIT	120-277V	2W

LUMINAIRE SCHEDULE NOTES:

- CONFIRM ALL COLOR TEMPERATURES, LENS, REFLECTORS, DIFFUSERS, TRIMS, FINISHES, AND PAINT COLOR WITH ARCHITECT/OWNER PRIOR TO BID/INSTALLATION.
- CONNECT UNSWITCHED HOT LEG OF AREA LIGHTING/POWER PACK BRANCH CIRCUIT TO INVERTER RELAY FOR ALL 'EM' EMERGENCY BATTERY UNIT LIGHTS

PLEASE CONTACT SLS CONTROLS WITH ANY QUESTIONS OR REVISIONS:

- RON LEWERT - ron@sllstg.com Cell Phone: 732-815-6931
- DICKSON FERNANDES - dickson@sllstg.com Cell Phone: 732-740-2294
- VENTURA RIVERA - ventura@sllstg.com Cell Phone: 732-484-9932



8 TYPICAL PW-301 WIRING DIAGRAM

N.T.S.

Electrical General Notes

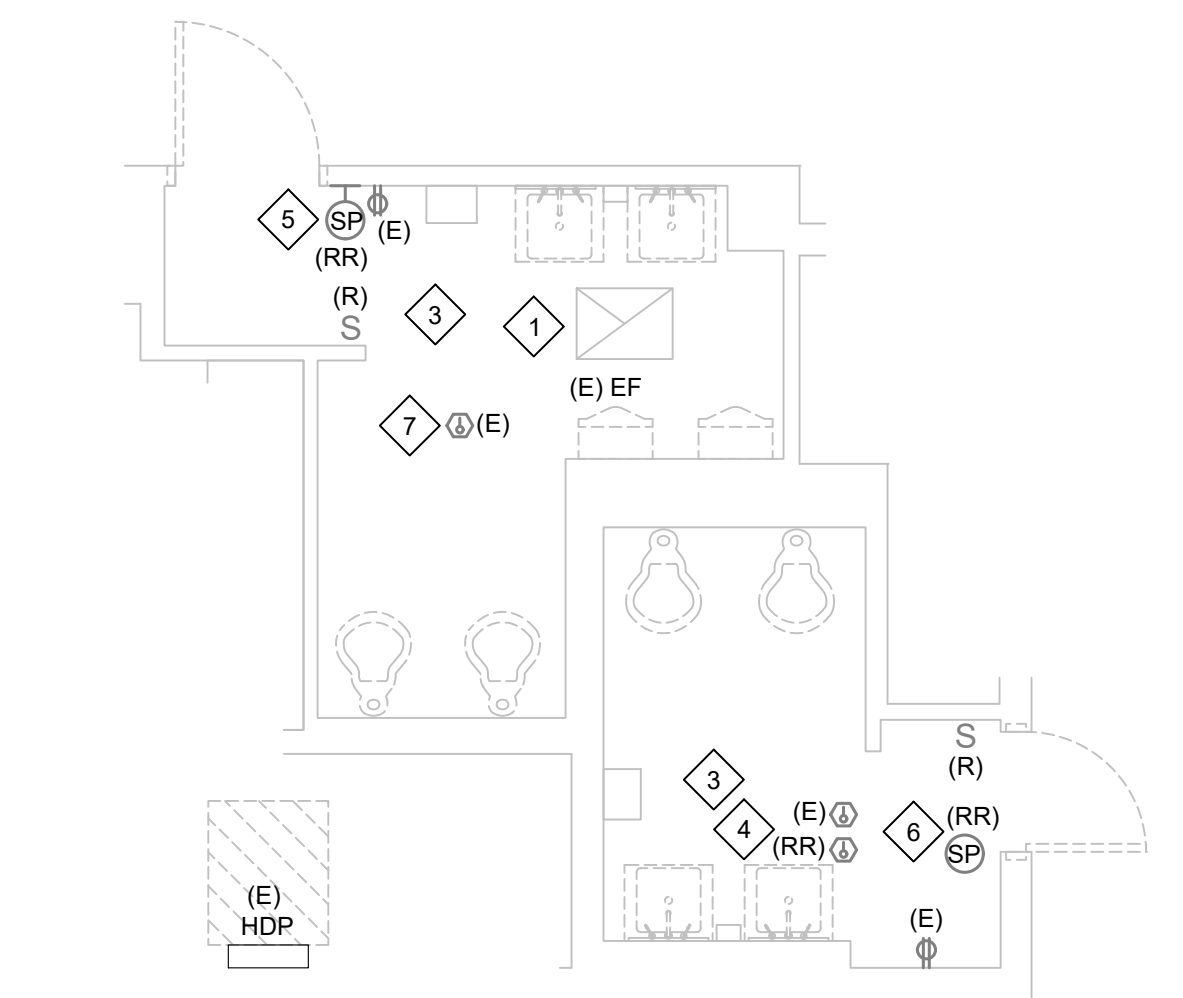
- CONTRACTOR SHALL CONDUCT A THOROUGH EXAMINATION OF THE PREMISES PRIOR TO PREPARING A PROPOSAL. ANY CHANGES TO THE DESIGN MADE NECESSARY BY THE FIELD CONDITIONS SHALL BE CONVEYED TO THE ENGINEER PRIOR TO PREPARING A PROPOSAL. NO ADDITIONAL COSTS BEYOND THE PROPOSAL PRICE WILL BE ACCEPTED FOR FIELD CONDITIONS THAT COULD HAVE BEEN DETERMINED BY AN INSPECTION OF THE PREMISES.
- CONTRACTOR SHALL TAKE READING ON ANY PANEL PRIOR TO ADDING ADDITIONAL LOADS. REPORT FINDINGS TO THE ENGINEER.
- RE-LABEL PANEL DIRECTORY DESCRIPTION SHEET AS REQUIRED.
- ALL NEW WIRING/CONDUIT TO BE CONCEALED.
- ALL FIRE ALARM DEVICES SHALL REMAIN UNLESS NOTED OTHERWISE; PROTECT DEVICES DURING CONSTRUCTION. COORDINATE ALL FIRE ALARM REQUIRED WORK WITH FIRE ALARM VENDOR PRIOR TO WORKING ON THE FIRE ALARM SYSTEM AND/OR MOVING CEILING MOUNTED DEVICES. CONTACT JAMES SHIELDS AT ADT COMMERCIAL VIA PHONE NUMBER 856-912-1768.
- ALL EMERGENCY LOCK-DOWN ALARM AND SPEAKER SYSTEMS TO REMAIN; PROTECT DEVICES DURING CONSTRUCTION.

Demolition Electrical Key Notes

- EXISTING EXHAUST FAN TO REMAIN. CIRCUIT SERVING FAN TO BE PRESERVED AND PROTECTED DURING DEMOLITION.
- EXISTING CONVECTORS TO REMAIN.
- DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES AND CONTROLS. REMOVE WIRING BACK TO SOURCE. CONTRACTOR MAY REUSE CONDUIT WHERE APPLICABLE. SAFE-OFF EXISTING CIRCUIT AND PREPARE TO BE RECONNECTED TO NEW AREA LIGHTING.
- EXISTING HEAT DETECTOR MOUNTED IN HARD CEILING TO REMAIN. EXISTING HEAT DETECTOR IN SUSPENDED CEILING TO BE RELOCATED TO NEW SUSPENDED CEILING IN SAME APPROXIMATE LOCATION.
- EXISTING WALL MOUNTED SPEAKER TO BE REPLACED WITH A FLUSH MOUNTED CEILING SPEAKER IN NEW SUSPENDED CEILING. VERIFY EXISTING WIRING CAN BE RE-ROUTED AND WILL WORK WITH NEW CEILING SPEAKER. IF EXISTING WIRING NOT COMPATIBLE, PROVIDE MANUFACTURER'S RECOMMENDED WIRING AND RUN BACK TO HEAD UNIT. VERIFY LOCATION OF HEAD UNIT IN FIELD.
- EXISTING CEILING MOUNTED SPEAKER TO BE RELOCATED TO NEW SUSPENDED CEILING. VERIFY LENGTH OF EXISTING WIRING CAN BE MOVED TO NEW LOCATION AND PROTECT DURING DEMOLITION. IF WIRING IS NOT LONG ENOUGH, THEN REPLACE WITH NEW SPEAKER WIRE RUN BACK TO HEAD UNIT. VERIFY HEAD UNIT LOCATION IN FIELD.
- HARD CEILING TO BE REMOVED. EXISTING HEAT DETECTOR TO BE REMOUNTED TO EXISTING STRUCTURAL CEILING.

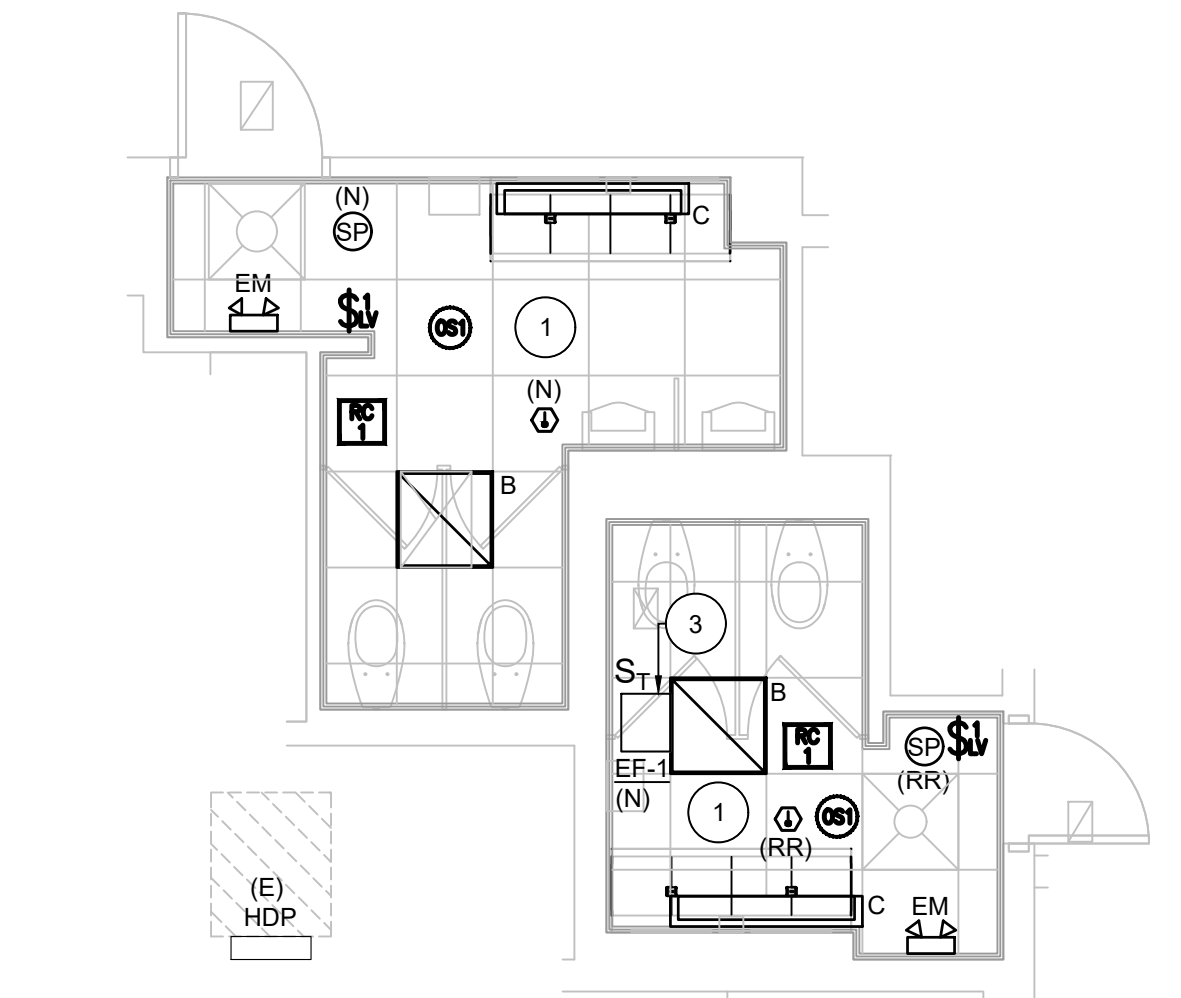
Proposed Electrical Key Notes

- RECONNECT NEW LIGHTING TO EXISTING LIGHTING CIRCUIT. PROVIDE NEW WIRE AND CIRCUIT BREAKER(S); MATCH EXISTING. CONTRACTOR MAY REUSE CONDUIT WHERE APPLICABLE.
- PROVIDE UNSWITCHED LINE-POWER FROM EXISTING LIGHTING CIRCUIT IN AREA TO FEED FLUSHMETER DEVICES. ALL BRANCH WIRING AND CONDUIT TO BE CONCEALED. COORDINATE WITH PLUMBING CONTRACTOR FINAL LOCATION.
- RECONNECT EXISTING EXHAUST FAN CIRCUIT TO NEW EXHAUST FAN. PROVIDE UNIT MOUNTED DISCONNECT SWITCH. COORDINATE WITH MECHANICAL CONTRACTOR FOR FINAL LOCATION.
- PROVIDE NEW DEDICATED 120V/1PH CIRCUIT TO NEW EXHAUST FAN FROM AVAILABLE SPARE CIRCUIT IN NEAREST 120V PANEL. PROVIDE NEW 20A CIRCUIT BREAKER TO MATCH KAIC RATING OF EXISTING PANEL. PROVIDE 2#12 & #12 GND IN 3/4" C.



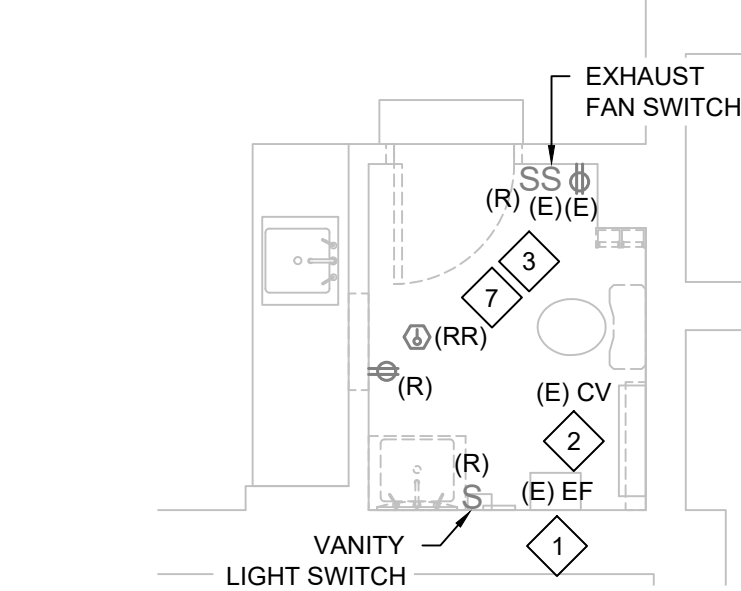
3 ELECTRICAL DEMOLITION PLAN

1/4" = 1'-0"



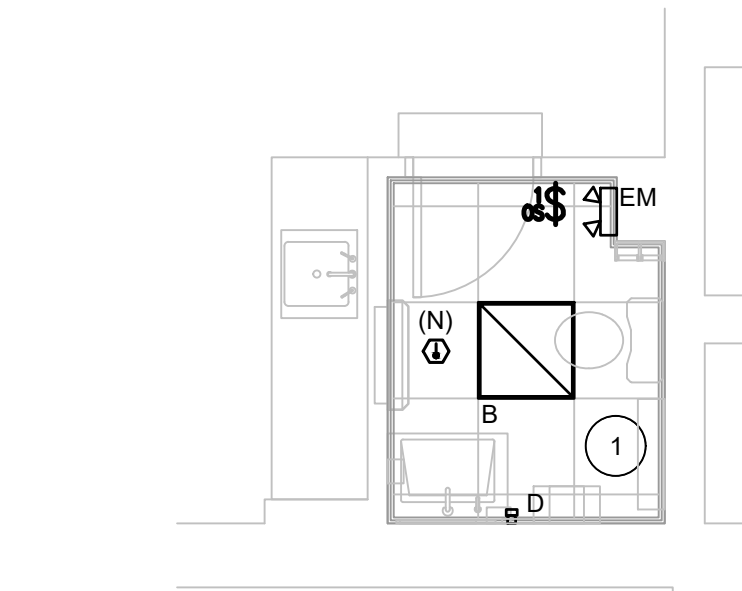
4 ELECTRICAL PROPOSED PLAN

1/4" = 1'-0"



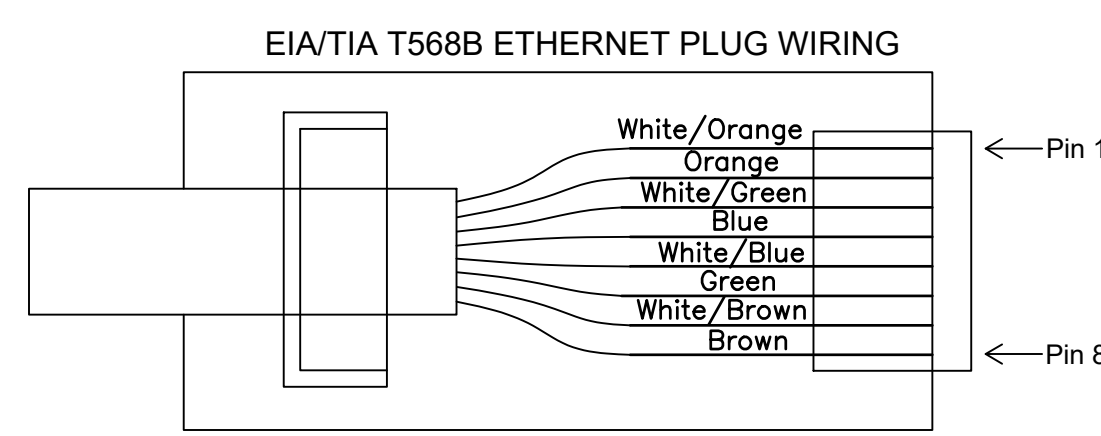
5 ELECTRICAL DEMOLITION PLAN

1/4" = 1'-0"



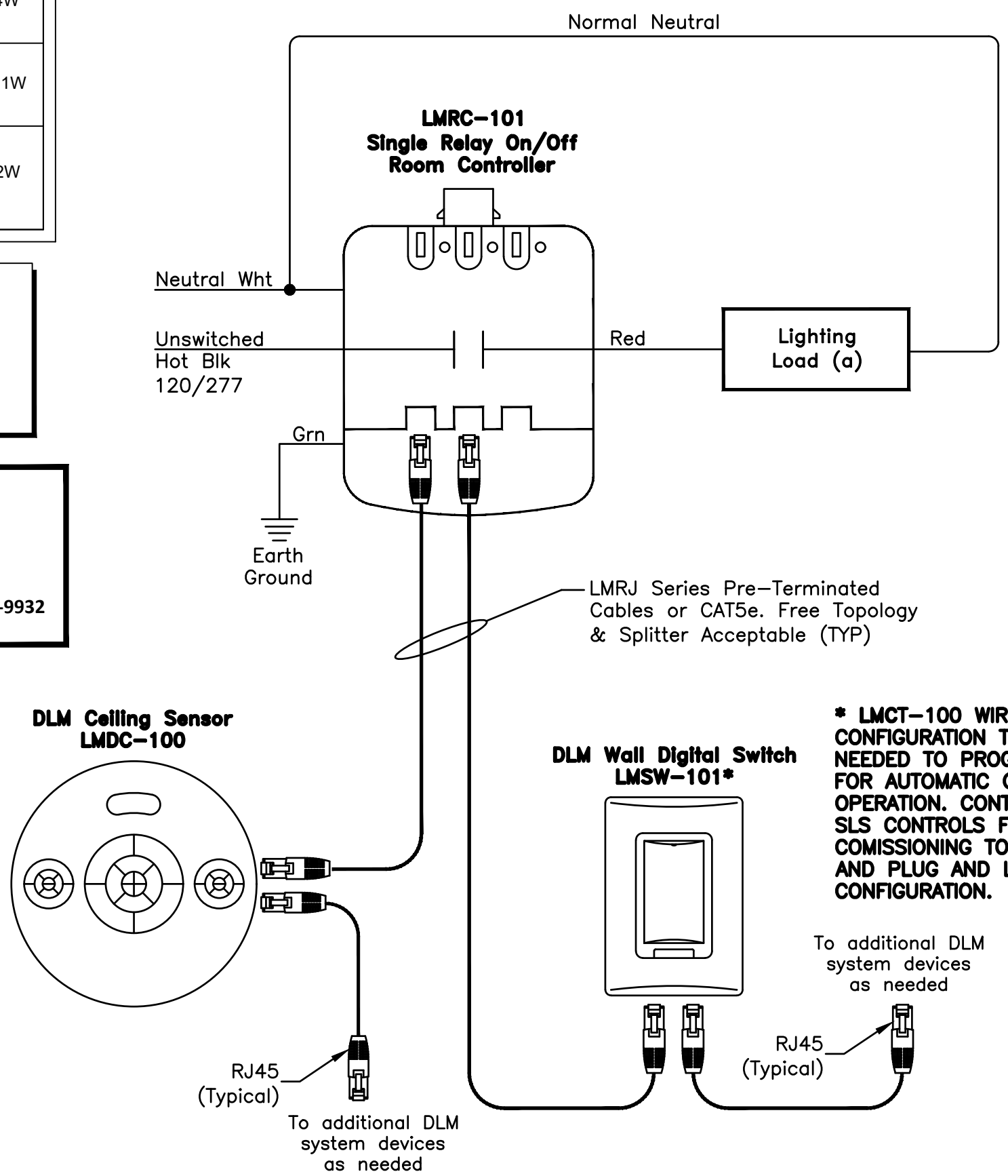
6 ELECTRICAL PROPOSED PLAN

1/4" = 1'-0"



7 CAT5E WIRING DIAGRAM

N.T.S.



9 TYPICAL LMRC-101 WIRING DIAGRAM FOR CEILING SENSOR

N.T.S.

NJ Certificate of Authorization
 Eng. No. 24627937500
 Arch. No. 21AC00012400
 Date 12/14/2022
 Checked JC
 Drawn MP

THOMAS WIGHARD, P.E.
 THE PROFESSIONAL ENGINEER
 License No. NJ24627937500

Revisions:

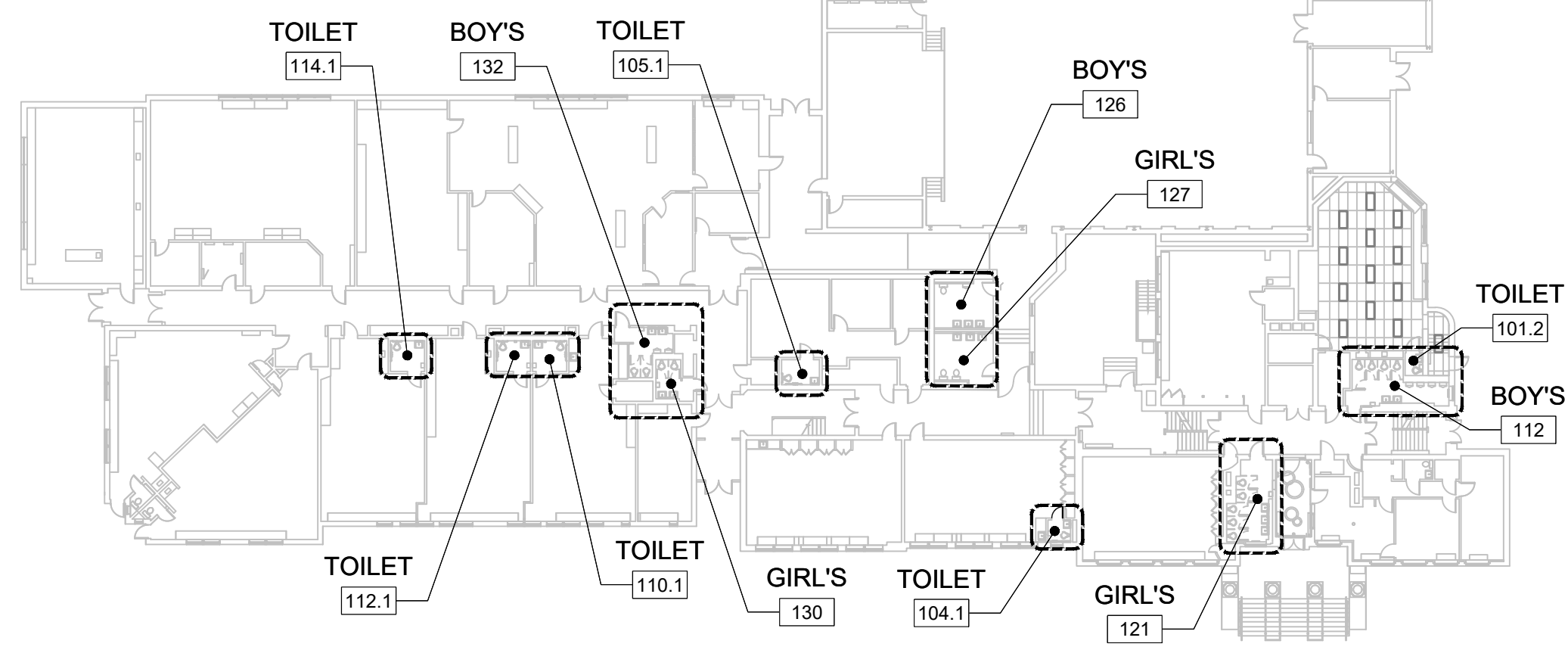
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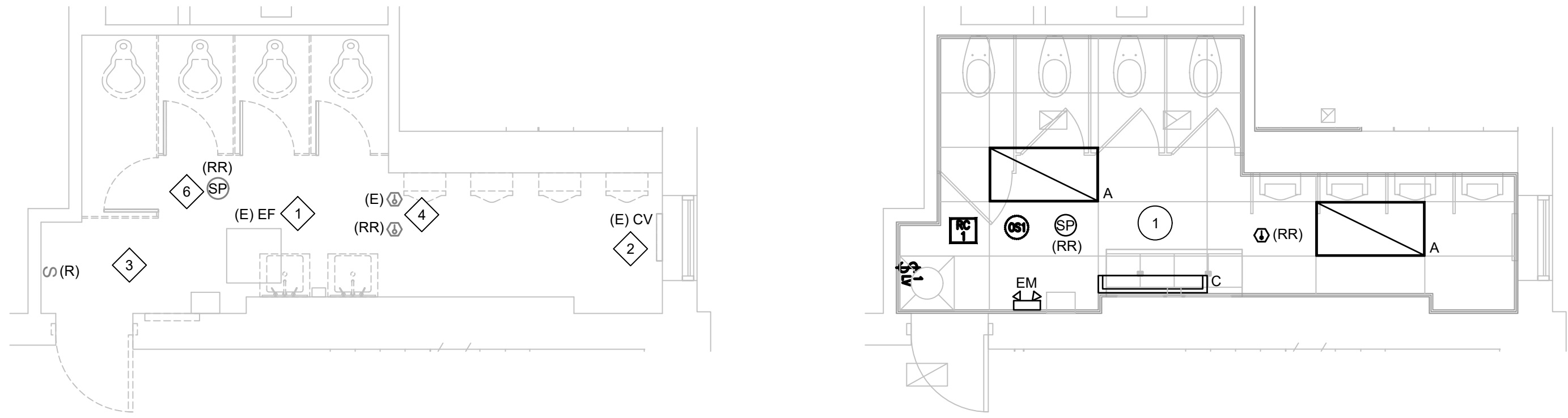
GROUND AND FIRST FLOOR ELECTRICAL PLANS
 TOILET ROOM RENOVATIONS
 ELIZABETH HADDON ELEMENTARY SCHOOL
 501 WEST REDMAN AVENUE
 HADDONFIELD, NJ, 08033

State Project #: 1900-080-22-1000
 Job No. 20277.14
 Rev. No. 20277.14EHES_E

E2.01

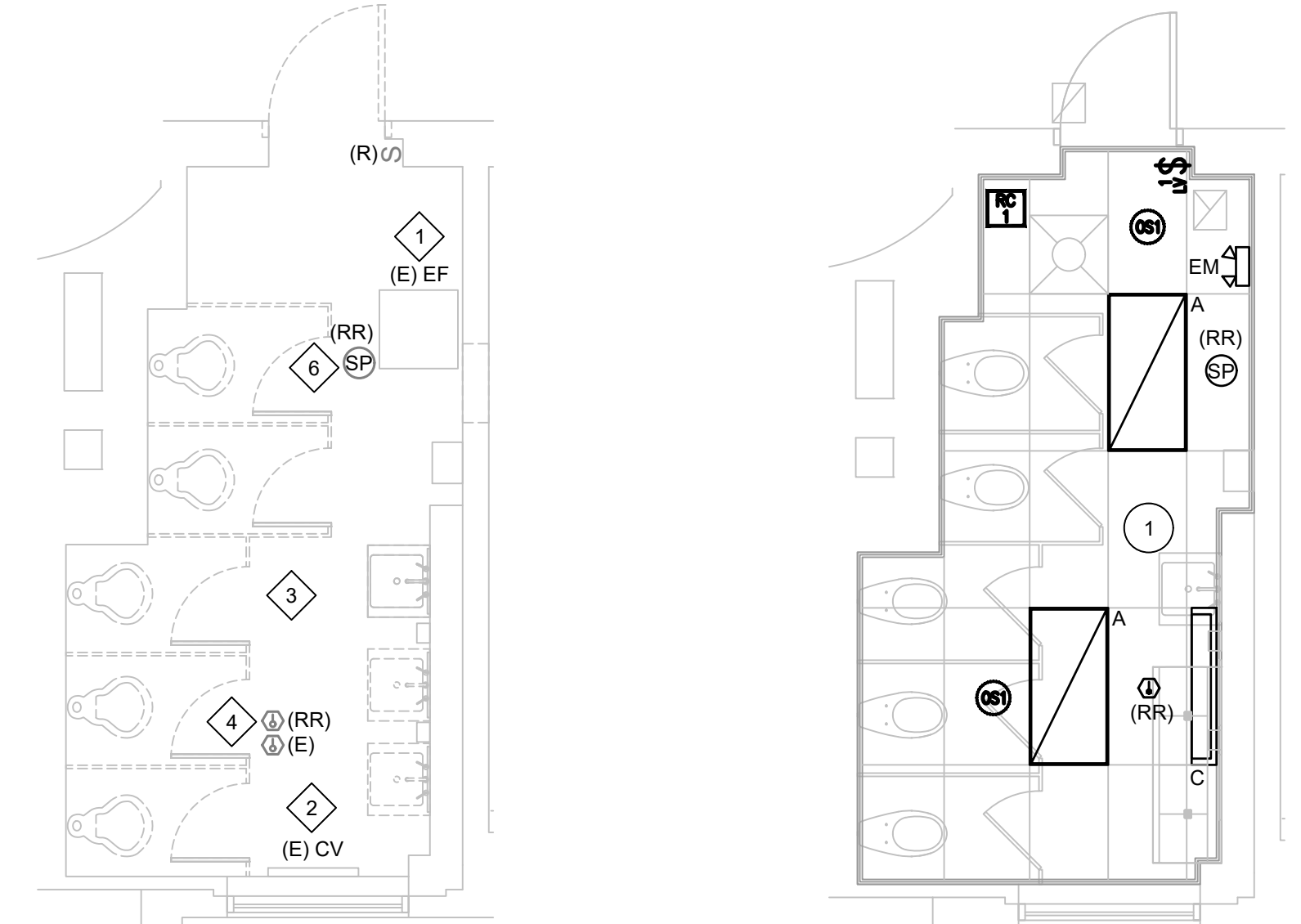


1 KEY PLAN - FIRST FLOOR
1/32" = 1'-0"



2 ELECTRICAL DEMOLITION PLAN
1/4" = 1'-0"

3 ELECTRICAL PROPOSED PLAN
1/4" = 1'-0"



4 ELECTRICAL DEMOLITION PLAN
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5 ELECTRICAL PROPOSED PLAN
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Device Legend

SYMBOL	DESCRIPTION
(E) ⊕	EXISTING DUPLEX RECEPTACLE (WALL) - EXISTING WALL MOUNTED RECEPTACLE TO REMAIN.
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(E) ⊕	EXISTING HEAT DETECTOR - EXISTING HEAT DETECTOR TO REMAIN.
(N) ⊕	NEW HEAT DETECTOR - NEW HEAT DETECTOR. CONTACT JAMES SHIELDS AT ADT PRIOR TO ADDING NEW DEVICES TO CURRENT FIRE ALARM CONTROL PANEL.

DEVICE ABBREVIATIONS & DESIGNATIONS

ABBR.	DEFINITION
C	CONDUIT - NEC COMPLIANT CONDUIT OR RACEWAY FOR CONDUCTORS.
CLG	CEILING MOUNTED - DEVICE MOUNTED AT CEILING LEVEL. COORDINATE WITH CEILING TYPE.
CV	CONVECTOR - CONVECTION HEATER
EF	EXHAUST FAN - ELECTRICAL MOTOR FAN FOR EXHAUST
EM	EMERGENCY - EMERGENCY LIGHTING DESIGNATED FIXTURE
FT	FEET - UNIT OF MEASUREMENT
G	GROUND - EQUIPMENT GROUNDING CONDUCTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER - GROUND FAULT PROTECTED DEVICE
PH	PHASE - ELECTRICAL PHASE OF ALTERNATING CURRENT
UH	UNIT HEATER - ELECTRIC UNIT HEATER

TAG LEGEND

(R)	EXISTING TO BE DISCONNECTED & REMOVED
(ER)	EXISTING TO BE DISCONNECTED & RECONNECTED
(RR)	EXISTING TO BE DISCONNECTED, RELOCATED, & RECONNECTED
(E)	EXISTING TO REMAIN
(N)	NEW

- ### Electrical General Notes
- CONTRACTOR SHALL CONDUCT A THOROUGH EXAMINATION OF THE PREMISES PRIOR TO PREPARING A PROPOSAL. ANY CHANGES TO THE DESIGN MADE NECESSARY BY THE FIELD CONDITIONS SHALL BE CONVEYED TO THE ENGINEER PRIOR TO PREPARING A PROPOSAL. NO ADDITIONAL COSTS BEYOND THE PROPOSAL PRICE WILL BE ACCEPTED FOR FIELD CONDITIONS THAT COULD HAVE BEEN DETERMINED BY AN INSPECTION OF THE PREMISES.
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- ### Proposed Electrical Key Notes
- RECONNECT NEW LIGHTING TO EXISTING LIGHTING CIRCUIT. PROVIDE NEW WIRE AND CIRCUIT BREAKER(S); MATCH EXISTING. CONTRACTOR MAY REUSE CONDUIT WHERE APPLICABLE.
 - PROVIDE UNSWITCHED LINE-POWER FROM EXISTING LIGHTING CIRCUIT IN AREA TO FEED FLUSHMETER DEVICES. ALL BRANCH WIRING AND CONDUIT TO BE CONCEALED. COORDINATE WITH PLUMBING CONTRACTOR FINAL LOCATION.
 - RECONNECT EXISTING EXHAUST FAN CIRCUIT TO NEW EXHAUST FAN. PROVIDE UNIT MOUNTED DISCONNECT SWITCH. COORDINATE WITH MECHANICAL CONTRACTOR FOR FINAL LOCATION.
 - RECONNECT 120V/1PH CIRCUIT TO NEW EXHAUST FAN FROM AVAILABLE SPARE CIRCUIT IN NEAREST 120V PANEL. PROVIDE NEW 20A CIRCUIT BREAKER TO MATCH KAIC RATING OF EXISTING PANEL. PROVIDE 2#12 & #12 GND IN 3/4" C.

LUMINAIRE SCHEDULE

SYMBOL/TYP	MANUF.	MODEL	DESCRIPTION	VOLTAGE	WATT
A	DAY-BRITE CFI SIGNIFY	2FGX-G-38L-835-4-RS-UNV-DIM	2' x 4' LED LUMINAIRE - GRID LAY-IN	120-277V	27W
C	FOCAL POINT	FSM4LP-FL-375LF-35K-1C-UNV-LD1-G1-WH-4"	4" x 4" FLUSH MOUNT LED - LINEAR SEEM	120-277V	14W
EM	CHLORIDE - SIGNIFY	VLLU2	EMERGENCY BATTERY UNIT	120-277V	2W

- ### LUMINAIRE SCHEDULE NOTES:
- CONFIRM ALL COLOR TEMPERATURES, LENS, REFLECTORS, DIFFUSERS, TRIMS, FINISHES, AND PAINT COLOR WITH ARCHITECT/OWNER PRIOR TO BID/INSTALLATION.
 - CONNECT UNSWITCHED HOT LEG OF AREA LIGHTING/POWER PACK BRANCH CIRCUIT TO INVERTER RELAY FOR ALL 'EM' EMERGENCY BATTERY UNIT LIGHTS

PLEASE CONTACT SLS CONTROLS WITH ANY QUESTIONS OR REVISIONS:

RON LEWERT - ron@slsitg.com Cell Phone: 732-815-6931

DICKSON FERNANDES - dickson@slsitg.com Cell Phone: 732-740-2294

VENTURA RIVERA - ventura@slsitg.com Cell Phone: 732-484-9932

LIGHTING CONTROL DESIGN BASED ON ASHRAE 90.1-2016

STAND ALONE ROOM - SEQUENCE OF OPERATION

MULTI-STALL (BOY'S & GIRL'S) TOILET ROOMS. Auto-on/auto-off operation through ceiling sensor, room controller. Digital switch for local control. Use LMCT-100 Configuration Tool to program digital switch for auto-on operation.

GENERAL NOTES
All occupancy/vacancy sensors shall turn off respective lighting fixtures 20 min after vacancy. Local override control shall have a maximum override of no more than two hours per activation during scheduled off periods.

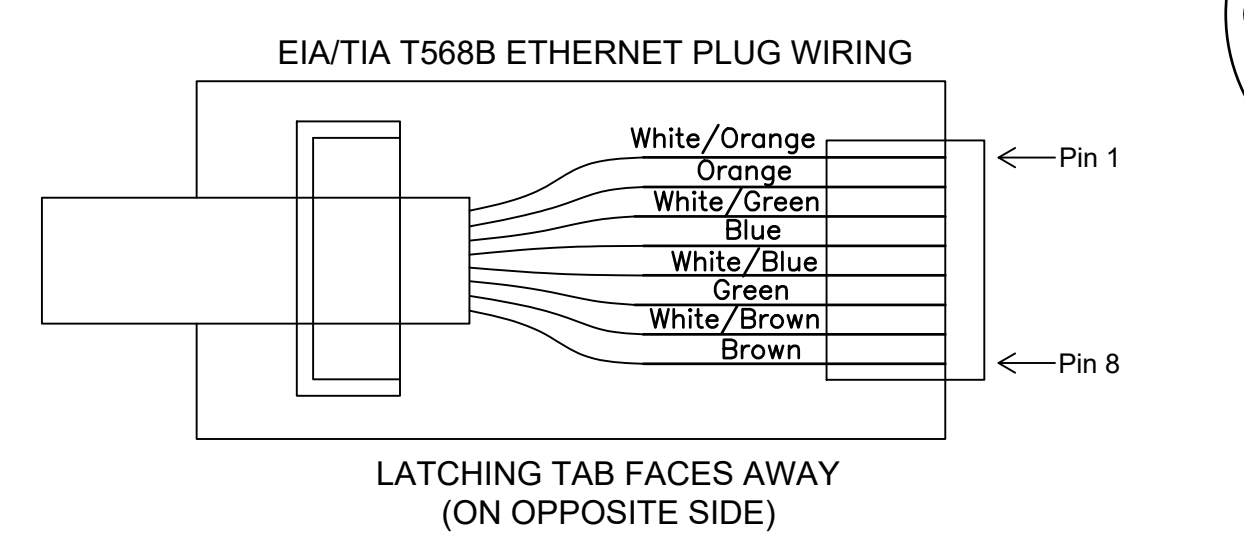
EMERGENCY NOTES
All emergency lighting fixtures shall not be interconnected with lighting control devices.

LIGHTING CONTROL NOTES

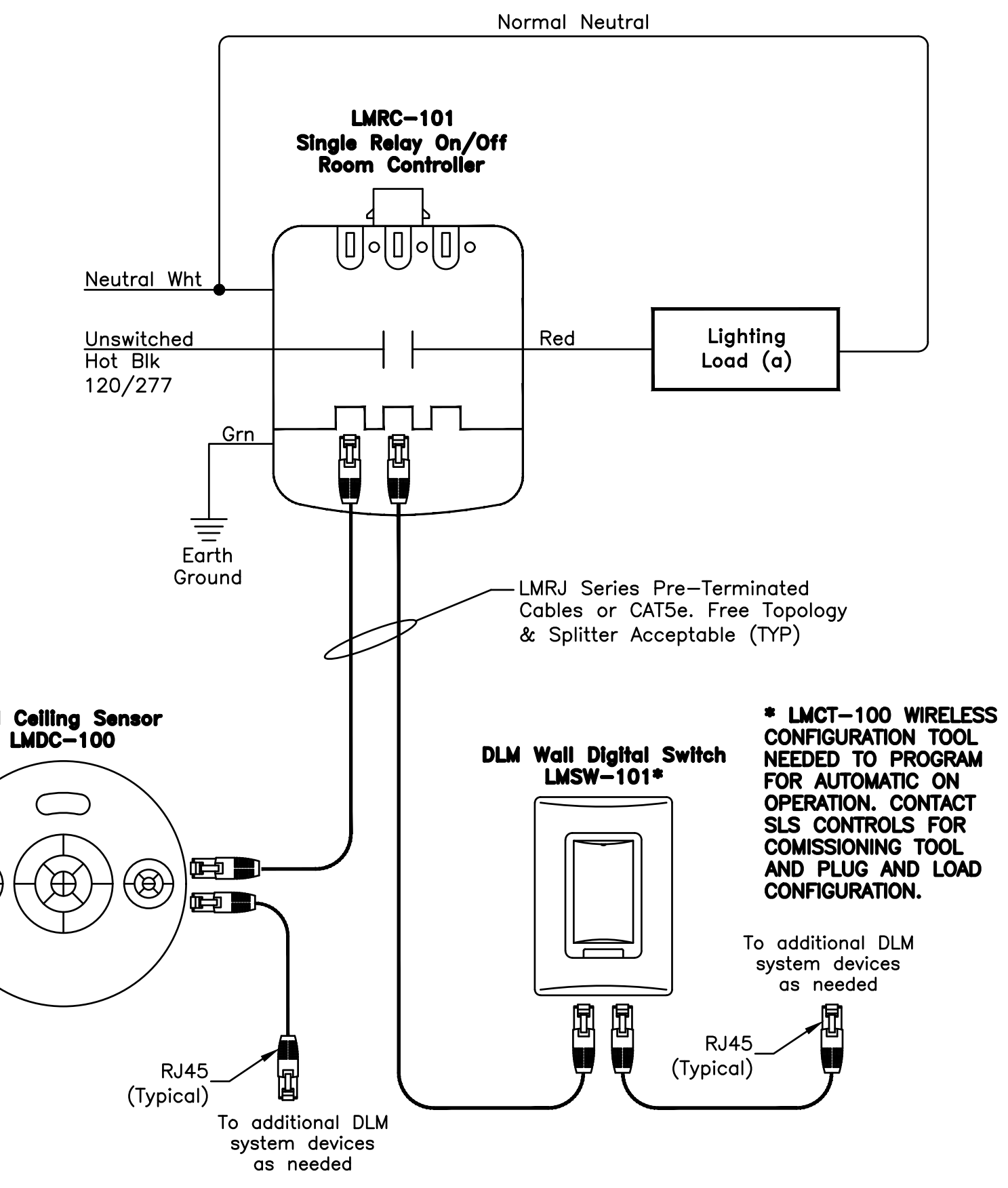
- All sensor locations are approximate. Refer to the Manufacturer's installation instructions prior to installation.
- If any questions arise regarding sensor placement, contact SLS Lighting and Controls prior to installation to schedule a field visit.
- Ceiling mounted sensors require to be located no closer than 6'-8" from air supply/returns registers.
- Maximum number of sensors that can be wired in parallel to a single room controller or power pack, depends on sensor model (see individual sheets for mA consumption).
- Contractor is responsible for field verification of required number of power packs (if apply).
- One power pack is required for each circuit that is to be controlled.
- Power packs and/or DLM Room Controllers are shown for zoning purposes only. Contractor is responsible for determining actual location and circuiting to an accessible location.
- Power packs (if apply) should be mounted at least 6-12 inches from any sensor.
- Turn off any power at the circuit breaker before wiring any product.
- Free-topology DLM local network segments may include digital load controllers, switches and sensors; Cat 5e cable, 150' per device to 1,000' max, per each local network.

LIGHTING CONTROL LEGEND

SYMBOL	DESCRIPTION	LEGEND	WATTSTOPPER
LMRC-211	1-Relay On/Off 0-10V Dimming Room Controller	120/277 VAC	
LMDC-100	Dual Technology Ceiling Sensor	24VDC, 20mA	
LMSW-101	1-button Digital Wall Switch	24VDC, 5mA	



6 CAT5E WIRING DIAGRAM
N.T.S.



7 TYPICAL LMRC-101 WIRING DIAGRAM FOR CEILING SENSOR
N.T.S.

State Project #: 1900-080-22-1000

LAN ASSOCIATES
engineering • planning • architecture • surveying
1018 LAUREL OAK ROAD, SUITE 111, VOORHEES, NJ 08043 T. 856-375-2701

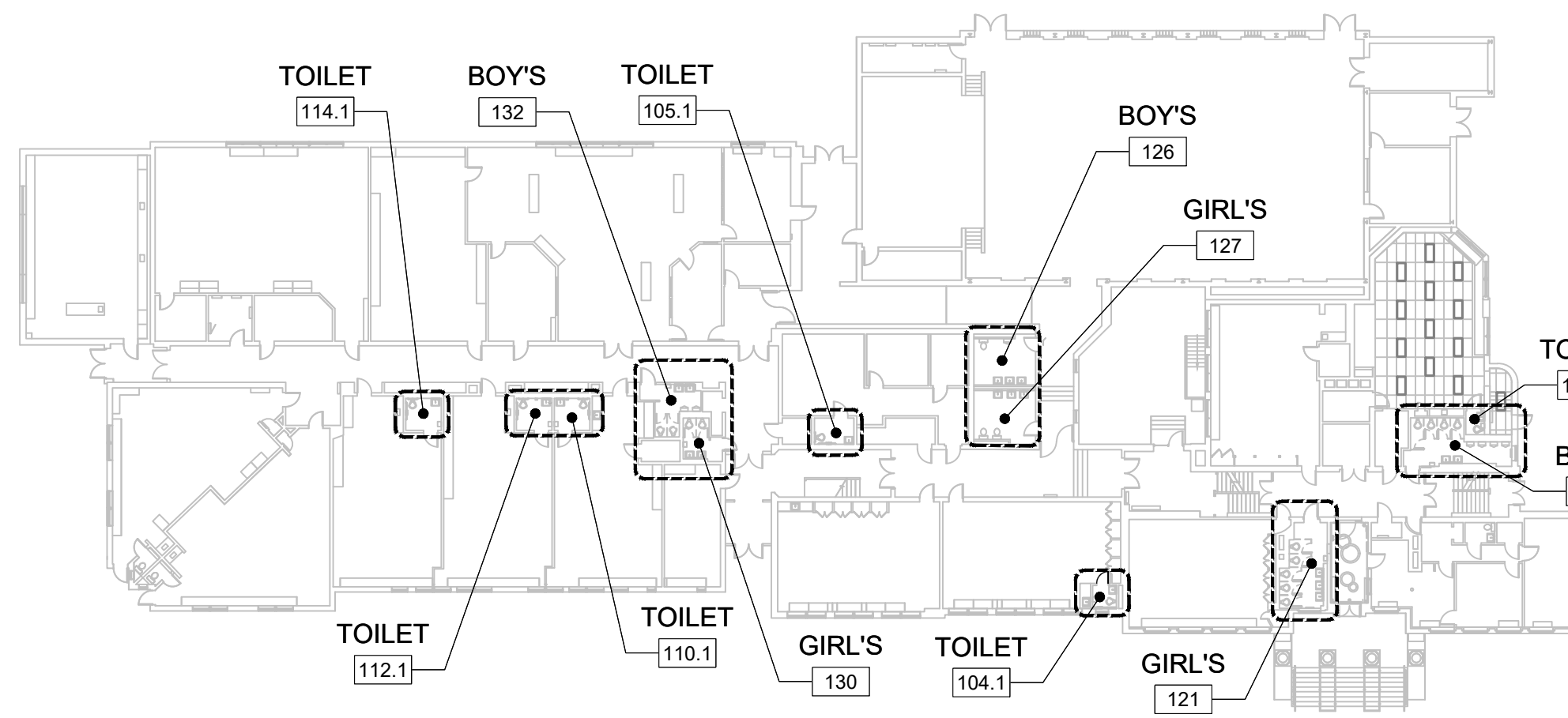
THOMAS WIGHARD, P.E.
Professional Engineer License No. NJ246490100

Revisions:
12-14-2022 ISSUED FOR BID

FRST FLOOR ELECTRICAL PLANS
TOILET ROOM RENOVATIONS
ELIZABETH HESTON ELEMENTARY SCHOOL
501 WEST REDMAN AVENUE
HADDONFIELD, NJ, 08033

Job No. 20277.14
File No. 20277.14EHES_E

E2.02



1 KEY PLAN - FIRST FLOOR

1/32" = 1'-0"



**LIGHTING CONTROL DESIGN
BASED ON ASHRAE 90.1-2016**

STAND ALONE ROOM - SEQUENCE OF OPERATION

SINGLE TOILET ROOM.
Auto-on/auto-off operation through wall switch/sensor.

GENERAL NOTES
All occupancy/vacancy sensors shall turn off respective lighting fixtures 20 min after vacancy.

Local override control shall have a maximum override of no more than two hours per activation during scheduled off periods.

EMERGENCY NOTES
All emergency lighting fixtures shall not be interconnected with lighting control devices.

**LIGHTING CONTROL LEGEND
LEGRAND WATTSTOPPER**

Ⓢ	PW-301	120/277 VAC	1-Button PIR On/Off Switch Occ Sensor
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LIGHTING CONTROL NOTES

- All sensor locations are approximate. Refer to the Manufacturer's installation instructions prior to installation.
- If any questions arise regarding sensor placement, contact SLS Lighting and Controls prior to installation to schedule a field visit.
- Ceiling mounted sensors require to be located no closer than 6'-8" from air supply/return registers.
- Maximum number of sensors that can be wired in parallel to a single room controller or power pack, depends on sensor model (see individual sheets for mA consumption).
- Contractor is responsible for field verification of required number of power packs (if apply).
- One power pack is required for each circuit that is to be controlled.
- Power packs and/or DLM Room Controllers are shown for zoning purposes only. Contractor is responsible for determining actual location and circuiting to an accessible location.
- Power packs (if apply) should be mounted at least 6-12 inches from any sensor.
- Turn off any power at the circuit breaker before wiring any product.
- Free-topology DLM local network segments may include digital load controllers, switches and sensors; Cat 5e cable, 150' per device to 1,000' max, per each local network.

Device Legend

SYMBOL	DESCRIPTION
(E) ⊕	EXISTING DUPLEX RECEPTACLE (WALL) - EXISTING WALL MOUNTED RECEPTACLE TO REMAIN.
(R) S	EXISTING LIGHT SWITCH - EXISTING TOGGLE SWITCH TO BE REMOVED. BACK BOX AND CONDUIT MAY BE RE-USED IF IN GOOD CONDITION.
(E) ⊕	EXISTING HEAT DETECTOR - EXISTING HEAT DETECTOR TO REMAIN.
(N) ⊕	NEW HEAT DETECTOR - NEW HEAT DETECTOR. CONTACT JAMES SHIELDS AT ADT PRIOR TO ADDING NEW DEVICES TO CURRENT FIRE ALARM CONTROL PANEL.

DEVICE ABBREVIATIONS & DESIGNATIONS

ABBR. DEFINITION

C	CONDUIT - NEC COMPLIANT CONDUIT OR RACEWAY FOR CONDUCTORS.
CLG	CEILING MOUNTED - DEVICE MOUNTED AT CEILING LEVEL. COORDINATE WITH CEILING TYPE.
CV	CONVECTOR - CONVECTION HEATER
EF	EXHAUST FAN - ELECTRICAL MOTOR FAN FOR EXHAUST
EM	EMERGENCY - EMERGENCY LIGHTING DESIGNATED FIXTURE
FT	FEET - UNIT OF MEASUREMENT
G	GROUND - EQUIPMENT GROUNDING CONDUCTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER - GROUND FAULT PROTECTED DEVICE
HWCH	HOT WATER CABINET HEATER - HOT WATER HEATER
PH	PHASE - ELECTRICAL PHASE OF ALTERNATING CURRENT
UH	UNIT HEATER - ELECTRIC UNIT HEATER

TAG LEGEND

(R)	EXISTING TO BE DISCONNECTED & REMOVED
(ER)	EXISTING TO BE DISCONNECTED & RECONNECTED
(RR)	EXISTING TO BE DISCONNECTED, RELOCATED, & RECONNECTED
(E)	EXISTING TO REMAIN
(N)	NEW

Electrical General Notes

- CONTRACTOR SHALL CONDUCT A THOROUGH EXAMINATION OF THE PREMISES PRIOR TO PREPARING A PROPOSAL. ANY CHANGES TO THE DESIGN MADE NECESSARY BY THE FIELD CONDITIONS SHALL BE CONVEYED TO THE ENGINEER PRIOR TO PREPARING A PROPOSAL. NO ADDITIONAL COSTS BEYOND THE PROPOSAL PRICE WILL BE ACCEPTED FOR FIELD CONDITIONS THAT COULD HAVE BEEN DETERMINED BY AN INSPECTION OF THE PREMISES.
- CONTRACTOR SHALL TAKE READING ON ANY PANEL PRIOR TO ADDING ADDITIONAL LOADS. REPORT FINDINGS TO THE ENGINEER.
- RE-LABEL PANEL DIRECTORY DESCRIPTION SHEET AS REQUIRED.
- ALL NEW WIRING/CONDUIT TO BE CONCEALED.
- ALL FIRE ALARM DEVICES SHALL REMAIN UNLESS NOTED OTHERWISE; PROTECT DEVICES DURING CONSTRUCTION. COORDINATE ALL FIRE ALARM REQUIRED WORK WITH FIRE ALARM VENDOR PRIOR TO WORKING ON THE FIRE ALARM SYSTEM AND/OR MOVING CEILING MOUNTED DEVICES. CONTACT JAMES SHIELDS AT ADT COMMERCIAL VIA PHONE NUMBER 856-912-1768.
- ALL EMERGENCY LOCK-DOWN ALARM AND SPEAKER SYSTEMS TO REMAIN; PROTECT DEVICES DURING CONSTRUCTION.

Demolition Electrical Key Notes

- EXISTING EXHAUST FAN TO REMAIN. CIRCUIT SERVING FAN TO BE PRESERVED AND PROTECTED DURING DEMOLITION.
- EXISTING CONVECTORS TO REMAIN.
- DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES AND CONTROLS. REMOVE WIRING BACK TO SOURCE. CONTRACTOR MAY REUSE CONDUIT WHERE APPLICABLE. SAFE-OFF EXISTING CIRCUIT AND PREPARE TO BE RECONNECTED TO NEW AREA LIGHTING.
- EXISTING HEAT DETECTOR MOUNTED IN HARD CEILING TO REMAIN. EXISTING HEAT DETECTOR IN SUSPENDED CEILING TO BE RELOCATED TO NEW SUSPENDED CEILING IN SAME APPROXIMATE LOCATION.
- EXISTING HOT WATER CABINET HEATER TO RELOCATED IN NEW CEILING. DISCONNECT EXISTING ELECTRICAL CONNECTION AND RECONNECT IN NEW CEILING. CIRCUIT SERVING FAN TO BE PRESERVED AND PROTECTED DURING DEMOLITION. COORDINATE WITH MECHANICAL CONTRACTOR NEW LOCATION.

Proposed Electrical Key Notes

- RECONNECT NEW LIGHTING TO EXISTING LIGHTING CIRCUIT. PROVIDE NEW WIRE AND CIRCUIT BREAKER(S); MATCH EXISTING. CONTRACTOR MAY REUSE CONDUIT WHERE APPLICABLE.
- PROVIDE UNSWITCHED LINE-POWER FROM EXISTING LIGHTING CIRCUIT IN AREA TO FEED FLUSHMETER DEVICES. ALL BRANCH WIRING AND CONDUIT TO BE CONCEALED. COORDINATE WITH PLUMBING CONTRACTOR FINAL LOCATION.
- RECONNECT EXISTING EXHAUST FAN CIRCUIT TO NEW EXHAUST FAN. PROVIDE UNIT MOUNTED DISCONNECT SWITCH. COORDINATE WITH MECHANICAL CONTRACTOR FOR FINAL LOCATION.
- RECONNECT 120V/1PH CIRCUIT TO NEW EXHAUST FAN FROM AVAILABLE SPARE CIRCUIT IN NEAREST 120V PANEL. PROVIDE NEW 20A CIRCUIT BREAKER TO MATCH KAIC RATING OF EXISTING PANEL. PROVIDE #12 & #12 GND IN 3/4" C.

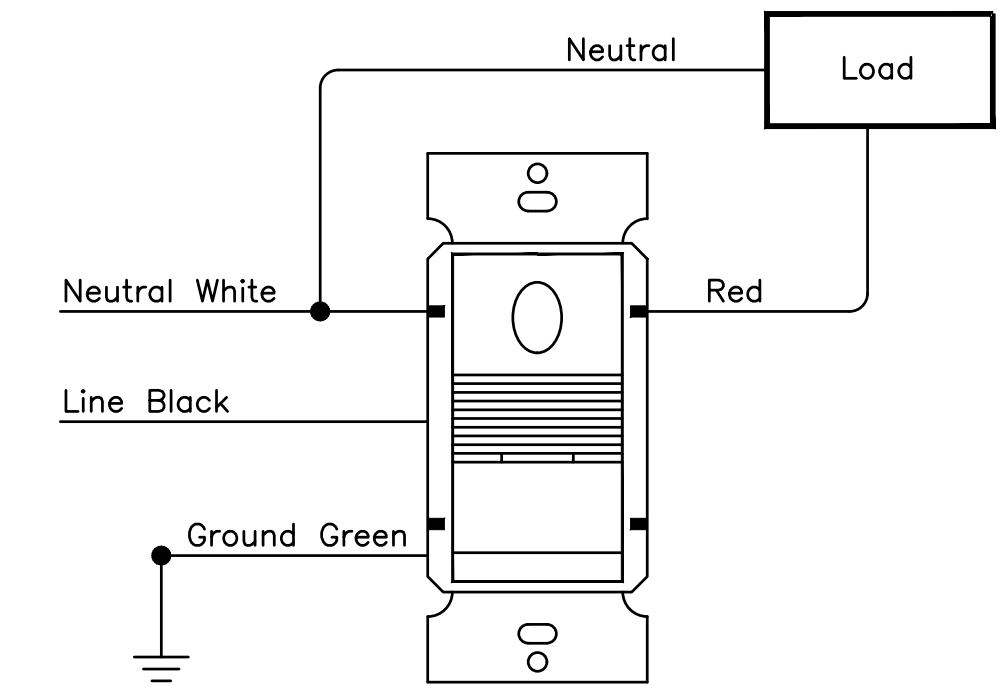
LUMINAIRE SCHEDULE

SYMBOL/TYP	MANUF.	MODEL	DESCRIPTION	VOLTAGE	WATT
Ⓢ A	DAY-BRITE CFI SIGNIFY	2FGX-G-38L-835- 4-RS-UNV-DIM	2' x 4' LED LUMINAIRE - GRID LAY-IN	120-277V	27W
Ⓢ EM	CHLORIDE - SIGNIFY	VLLU2	EMERGENCY BATTERY UNIT	120-277V	2W

- LUMINAIRE SCHEDULE NOTES:**
- CONFIRM ALL COLOR TEMPERATURES, LENS, REFLECTORS, DIFFUSERS, TRIMS, FINISHES, AND PAINT COLOR WITH ARCHITECT/OOWNER PRIOR TO BID/INSTALLATION.
 - CONNECT UNSWITCHED HOT LEG OF AREA LIGHTING/POWER PACK BRANCH CIRCUIT TO INVERTER RELAY FOR ALL 'EM' EMERGENCY BATTERY UNIT LIGHTS

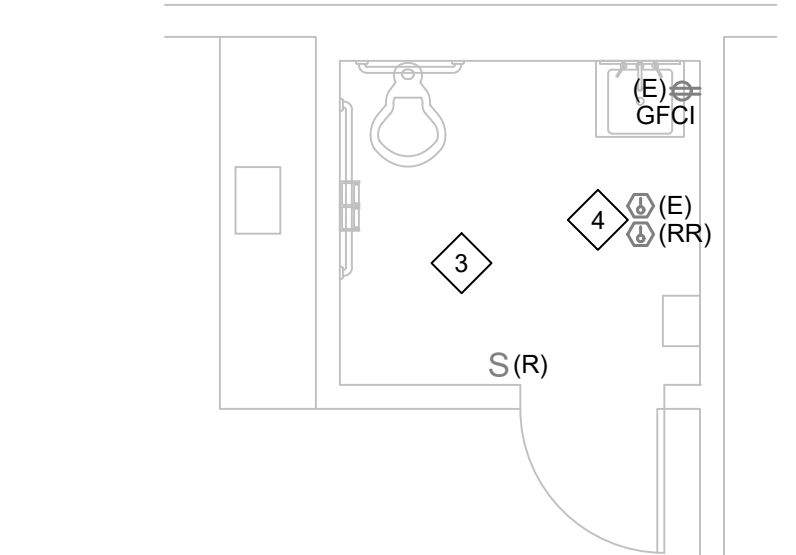
PLEASE CONTACT SLS CONTROLS WITH ANY QUESTIONS OR REVISIONS:

RON LEWERT - ron@sllstg.com Cell Phone: 732-815-6931	DICKSON FERNANDES - dickson@sllstg.com Cell Phone: 732-740-2294	VENTURA RIVERA - ventura@sllstg.com Cell Phone: 732-484-9932
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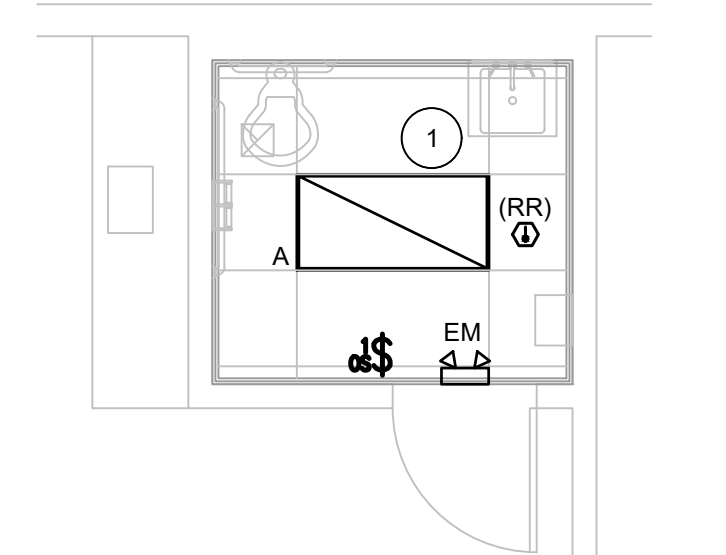


14 TYPICAL PW-301 WIRING DIAGRAM

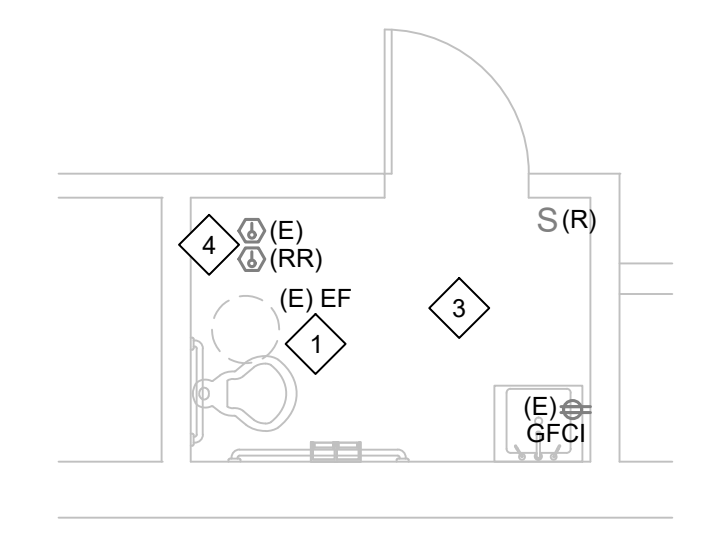
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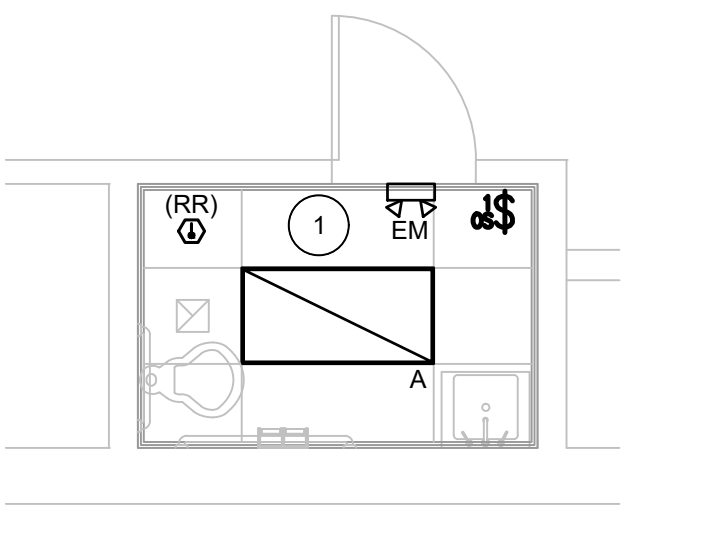
2 ELECTRICAL DEMOLITION PLAN
1/4" = 1'-0" TOILET ROOM 114.1



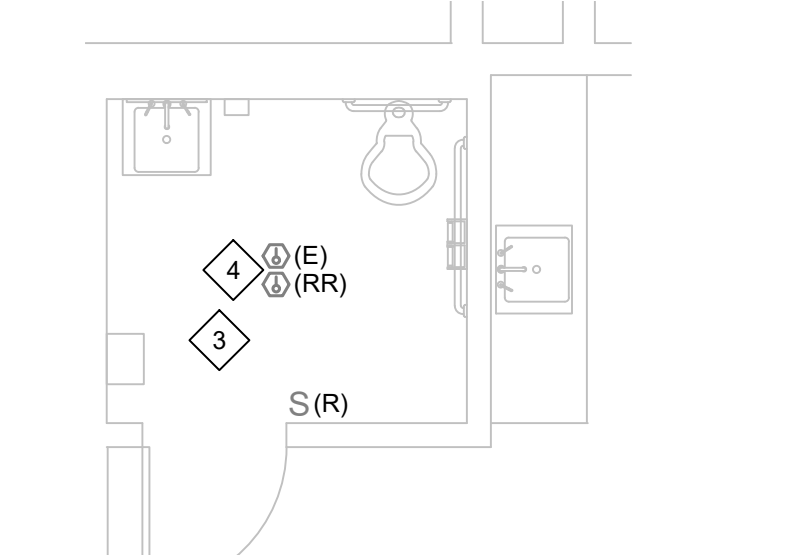
3 ELECTRICAL PROPOSED PLAN
1/4" = 1'-0" TOILET ROOM 114.1



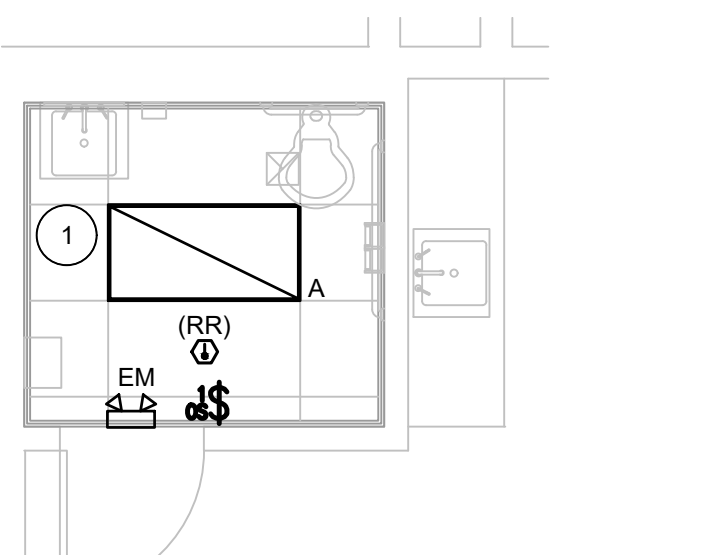
4 ELECTRICAL DEMOLITION PLAN
1/4" = 1'-0" TOILET ROOM 105.1



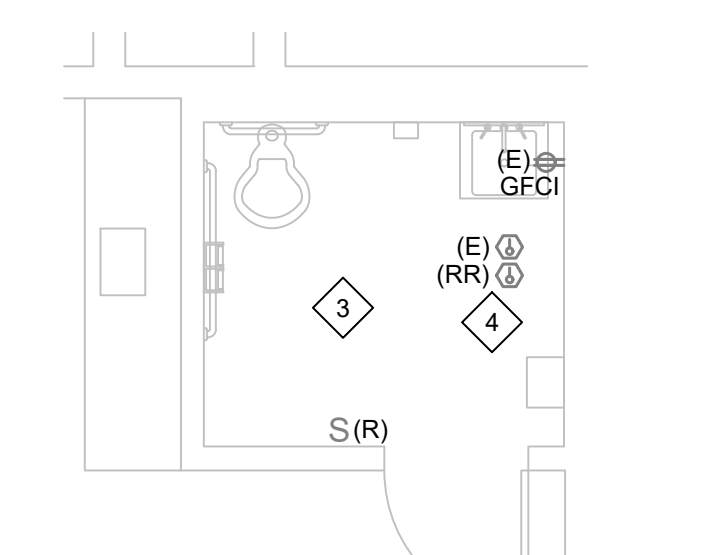
5 ELECTRICAL PROPOSED PLAN
1/4" = 1'-0" TOILET ROOM 105.1



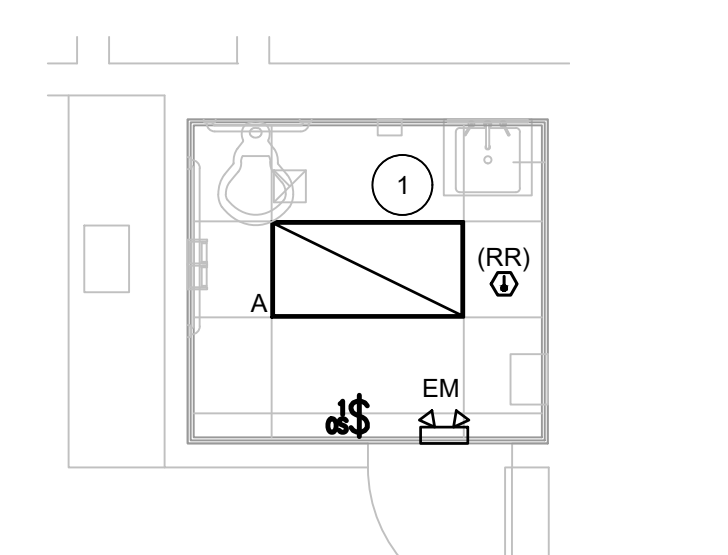
6 ELECTRICAL DEMOLITION PLAN
1/4" = 1'-0" TOILET ROOM 110.1



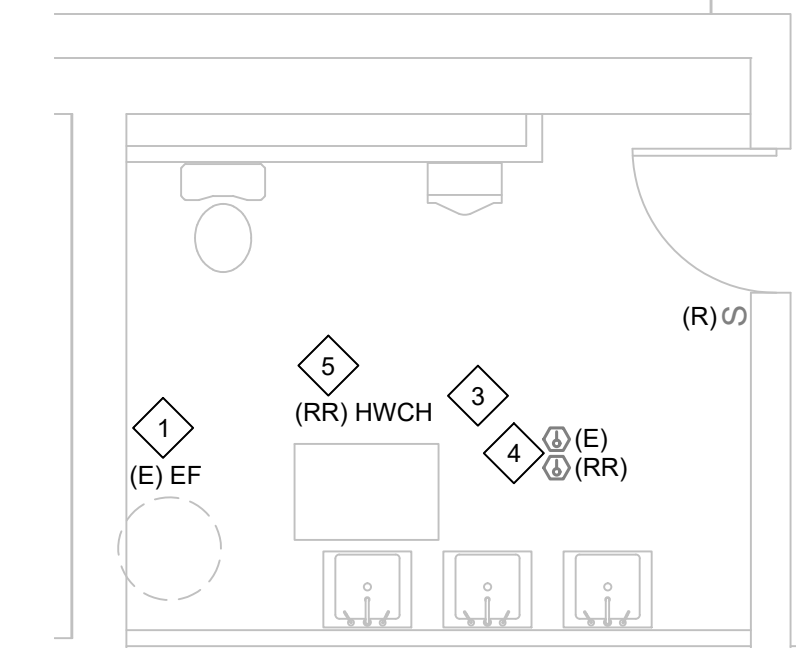
7 ELECTRICAL PROPOSED PLAN
1/4" = 1'-0" TOILET ROOM 110.1



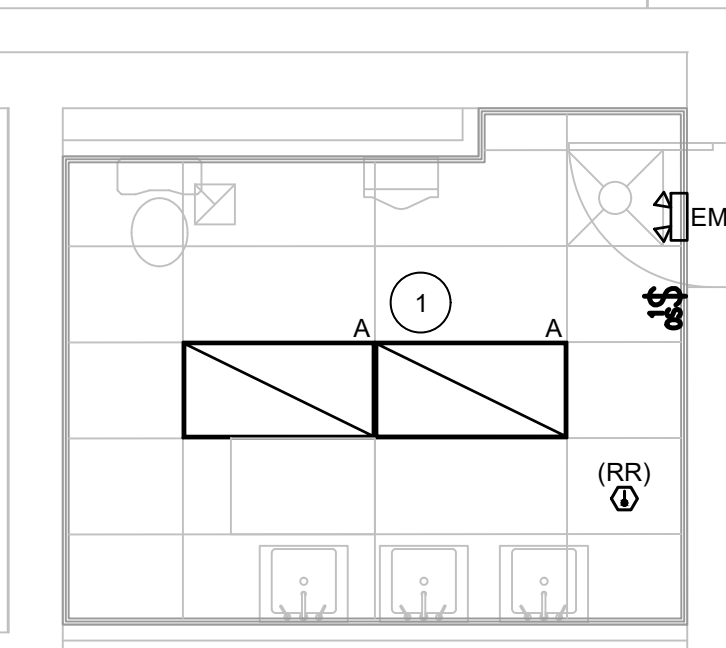
8 ELECTRICAL DEMOLITION PLAN
1/4" = 1'-0" TOILET ROOM 112.1



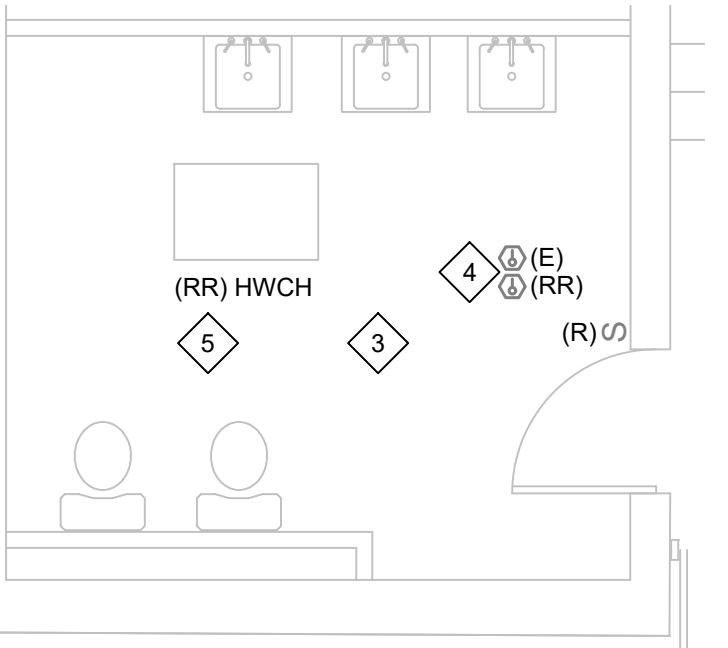
9 ELECTRICAL PROPOSED PLAN
1/4" = 1'-0" TOILET ROOM 112.1



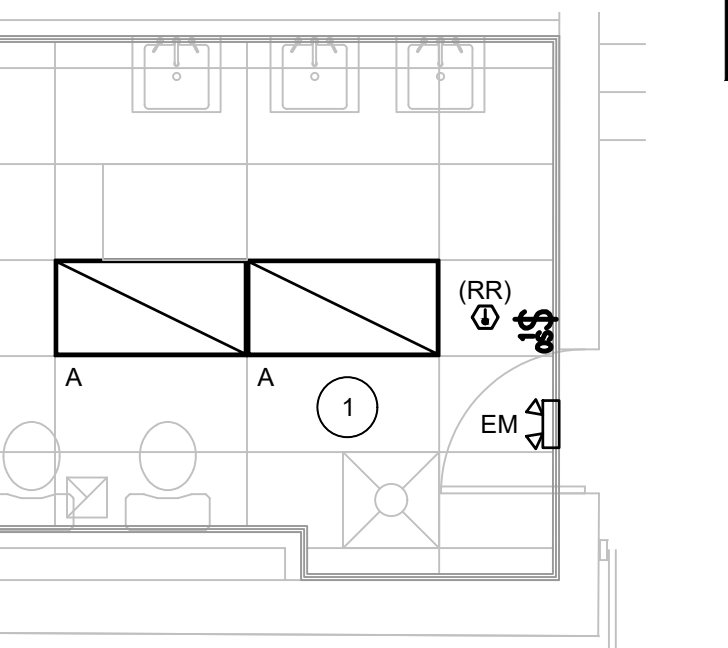
10 ELECTRICAL DEMOLITION PLAN
1/4" = 1'-0" BOY'S TOILET ROOM 126



11 ELECTRICAL PROPOSED PLAN
1/4" = 1'-0" BOY'S TOILET ROOM 126



12 ELECTRICAL DEMOLITION PLAN
1/4" = 1'-0" GIRL'S TOILET ROOM 127



13 ELECTRICAL PROPOSED PLAN
1/4" = 1'-0" GIRL'S TOILET ROOM 127

NJ Certificate of Authorization
Eng'g. No. 24647937500
Arch. No. 21AC00012400
Date 12/14/2022
Checked JC
Drawn MP

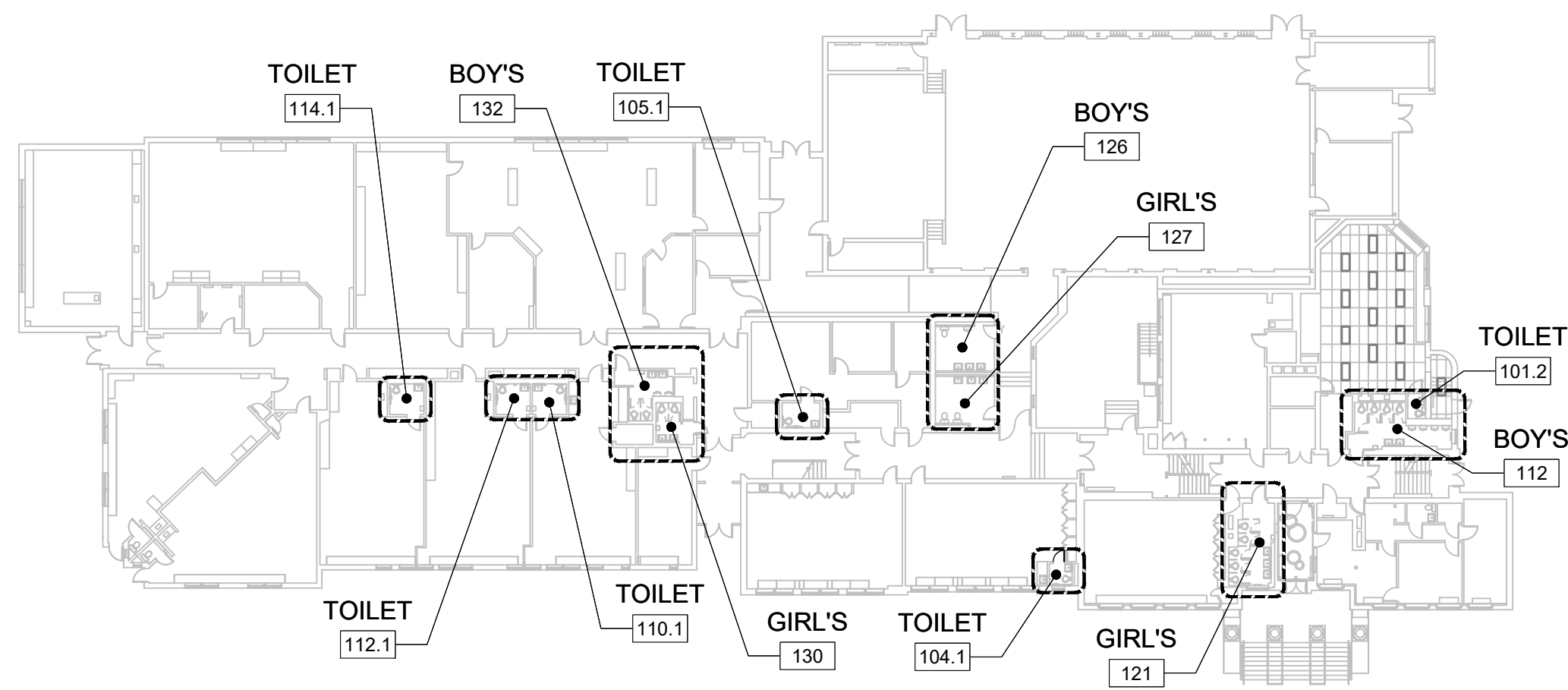
THOMAS WIGHARD, P.E.
Professional Engineer License No. NJZ46490100

Revisions:

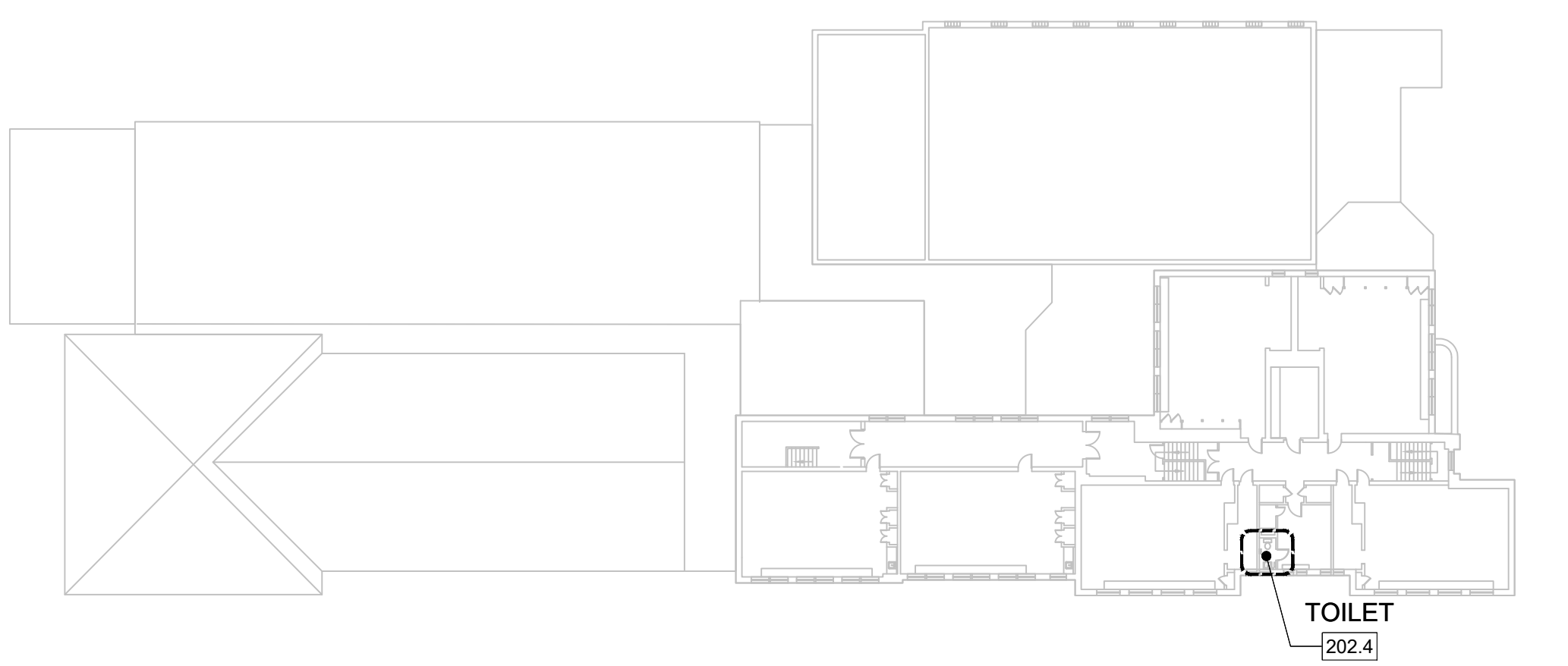
LAN ASSOCIATES
engineering • planning • architecture • surveying
1018 LAUREL OAK ROAD, SUITE 111, VOORHEES, NJ 08043 T. 856-375-2701

FIRST FLOOR ELECTRICAL PLANS
TOILET ROOM RENOVATIONS
ELIZABETH HADDON ELEMENTARY SCHOOL
501 WEST REDMAN AVENUE
HADDONFIELD, NJ, 08033

State Project #: 1900-080-22-1000
Job No. 20277.14
File No. 20277.14EHES_E
E2.03



1 KEY PLAN - FIRST FLOOR
1/32" = 1'-0"



2 KEY PLAN - SECOND FLOOR
1/32" = 1'-0"

LIGHTING CONTROL DESIGN
BASED ON ASHRAE 90.1-2016

STAND ALONE ROOM - SEQUENCE OF OPERATION

SINGLE TOILET ROOM.
Auto-on/auto-off operation through wall switch/sensor.

GENERAL NOTES

All occupancy/vacancy sensors shall turn off respective lighting fixtures 20 min after vacancy.

Local override control shall have a maximum override of no more than two hours per activation during scheduled off periods.

EMERGENCY NOTES

All emergency lighting fixtures shall not be interconnected with lighting control devices.

LIGHTING CONTROL LEGEND
LEGRAND WATTSTOPPER

	PW-301	120/277 VAC	1-Button PIR On/Off Switch Occ Sensor
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- LIGHTING CONTROL NOTES**
- All sensor locations are approximate. Refer to the Manufacturer's installation instructions prior to installation.
 - If any questions arise regarding sensor placement, contact SLS Lighting and Controls prior to installation to schedule a field visit.
 - Ceiling mounted sensors require to be located no closer than 6'-8" from air supply/return registers.
 - Maximum number of sensors that can be wired in parallel to a single room controller or power pack, depends on sensor model (see individual sheets for mA consumption).
 - Contractor is responsible for field verification of required number of power packs (if apply).
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 - Power packs (if apply) should be mounted at least 6-12 inches from any sensor.
 - Turn off any power at the circuit breaker before wiring any product.
 - Free-topology DLM local network segments may include digital load controllers, switches and sensors; Cat 5e cable, 150' per device to 1,000' max, per each local network.

Device Legend

SYMBOL	DESCRIPTION
(E)	EXISTING DUPLEX RECEPTACLE (WALL) - EXISTING WALL MOUNTED RECEPTACLE TO REMAIN.
(R)	EXISTING LIGHT SWITCH - EXISTING TOGGLE SWITCH TO BE REMOVED. BACK BOX AND CONDUIT MAY BE RE-USED IF IN GOOD CONDITION.
(E)	EXISTING HEAT DETECTOR - EXISTING HEAT DETECTOR TO REMAIN.
(N)	NEW HEAT DETECTOR - NEW HEAT DETECTOR. CONTACT JAMES SHIELDS AT ADT PRIOR TO ADDING NEW DEVICES TO CURRENT FIRE ALARM CONTROL PANEL.
S	NEW TOGGLE SWITCH - 120VAC, 1-PH, TOGGLE SWITCH

DEVICE ABBREVIATIONS & DESIGNATIONS

ABBR. DEFINITION

C **CONDUIT** - NEC COMPLIANT CONDUIT OR RACEWAY FOR CONDUCTORS.
 CLG **CEILING MOUNTED** - DEVICE MOUNTED AT CEILING LEVEL. COORDINATE WITH CEILING TYPE.
 CV **CONVECTOR** - CONVECTION HEATER
 EF **EXHAUST FAN** - ELECTRICAL MOTOR FAN FOR EXHAUST
 EM **EMERGENCY** - EMERGENCY LIGHTING DESIGNATED FIXTURE
 FT **FEET** - UNIT OF MEASUREMENT
 G **GROUND** - EQUIPMENT GROUNDING CONDUCTOR
 GFCI **GROUND FAULT CIRCUIT INTERRUPTER** - GROUND FAULT PROTECTED DEVICE
 PH **PHASE** - ELECTRICAL PHASE OF ALTERNATING CURRENT
 UH **UNIT HEATER** - ELECTRIC UNIT HEATER

TAG LEGEND

(R) EXISTING TO BE DISCONNECTED & REMOVED
 (ER) EXISTING TO BE DISCONNECTED & RECONNECTED
 (RR) EXISTING TO BE DISCONNECTED, RELOCATED, & RECONNECTED
 (E) EXISTING TO REMAIN
 (N) NEW

- Electrical General Notes**
- CONTRACTOR SHALL CONDUCT A THOROUGH EXAMINATION OF THE PREMISES PRIOR TO PREPARING A PROPOSAL. ANY CHANGES TO THE DESIGN MADE NECESSARY BY THE FIELD CONDITIONS SHALL BE CONVEYED TO THE ENGINEER PRIOR TO PREPARING A PROPOSAL. NO ADDITIONAL COSTS BEYOND THE PROPOSAL PRICE WILL BE ACCEPTED FOR FIELD CONDITIONS THAT COULD HAVE BEEN DETERMINED BY AN INSPECTION OF THE PREMISES.
 - CONTRACTOR SHALL TAKE READING ON ANY PANEL PRIOR TO ADDING ADDITIONAL LOADS. REPORT FINDINGS TO THE ENGINEER.
 - RE-LABEL PANEL DIRECTORY DESCRIPTION SHEET AS REQUIRED.
 - ALL NEW WIRING/CONDUIT TO BE CONCEALED.
 - ALL FIRE ALARM DEVICES SHALL REMAIN UNLESS NOTED OTHERWISE; PROTECT DEVICES DURING CONSTRUCTION. COORDINATE ALL FIRE ALARM REQUIRED WORK WITH FIRE ALARM VENDOR PRIOR TO WORKING ON THE FIRE ALARM SYSTEM AND/OR MOVING CEILING MOUNTED DEVICES. CONTACT JAMES SHIELDS AT ADT COMMERCIAL VIA PHONE NUMBER 856-912-1768.
 - ALL EMERGENCY LOCK-DOWN ALARM AND SPEAKER SYSTEMS TO REMAIN; PROTECT DEVICES DURING CONSTRUCTION.

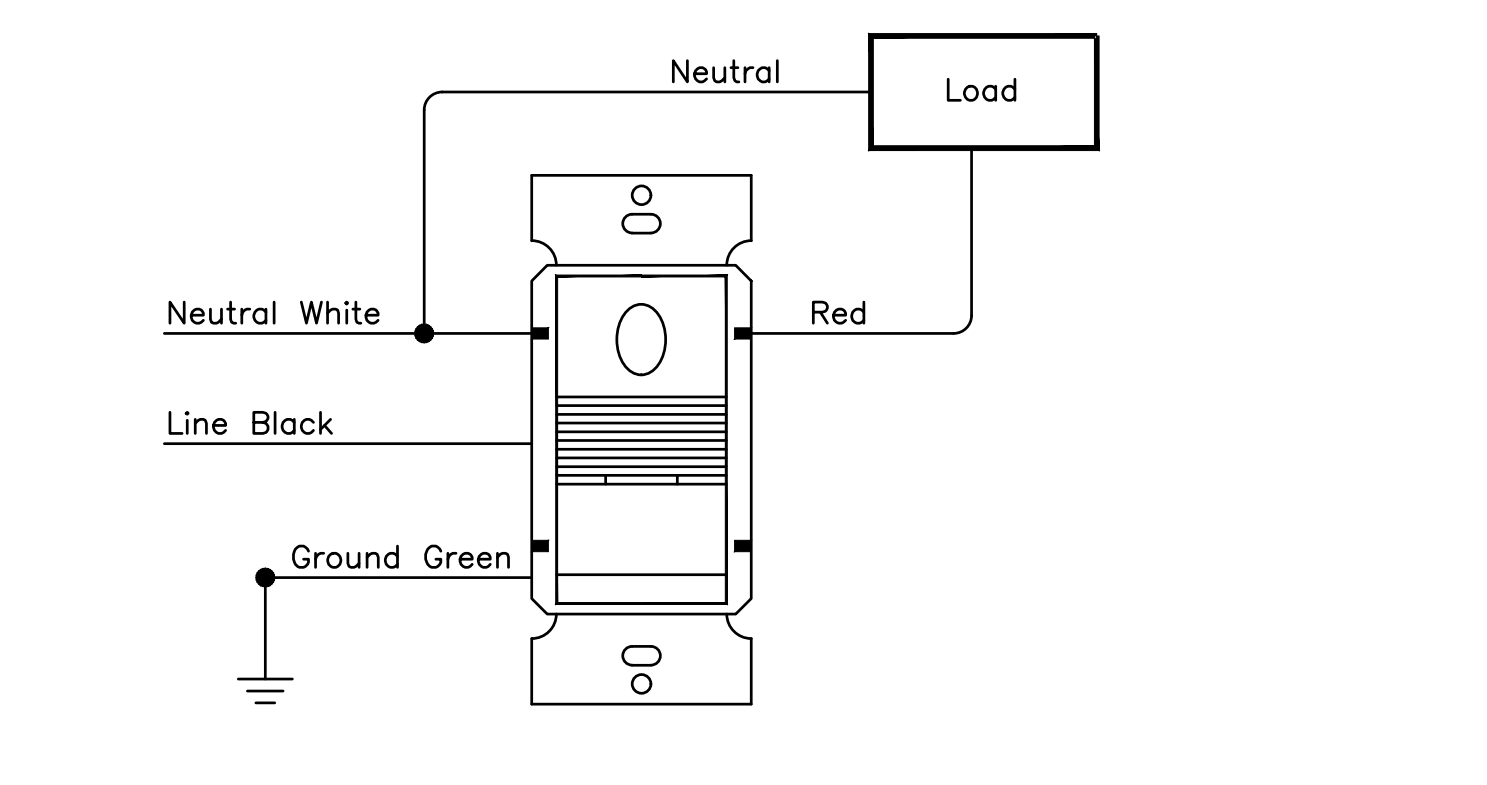
- Demolition Electrical Key Notes**
- EXISTING EXHAUST FAN TO REMAIN. CIRCUIT SERVING FAN TO BE PRESERVED AND PROTECTED DURING DEMOLITION.
 - EXISTING CONVECTORS TO REMAIN.
 - DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES AND CONTROLS. REMOVE WIRING BACK TO SOURCE. CONTRACTOR MAY REUSE CONDUIT WHERE APPLICABLE. SAFE-OFF EXISTING CIRCUIT AND PREPARE TO BE RECONNECTED TO NEW AREA LIGHTING.
 - EXISTING HEAT DETECTOR MOUNTED IN HARD CEILING TO REMAIN. EXISTING HEAT DETECTOR IN SUSPENDED CEILING TO BE RELOCATED TO NEW SUSPENDED CEILING IN SAME APPROXIMATE LOCATION.
 - EXISTING WALL MOUNTED SPEAKER TO BE REPLACED WITH A FLUSH MOUNTED CEILING SPEAKER IN NEW SUSPENDED CEILING. VERIFY EXISTING WIRING CAN BE RE-ROUTED AND WILL WORK WITH NEW CEILING SPEAKER. IF EXISTING WIRING NOT COMPATIBLE, PROVIDE MANUFACTURER'S RECOMMENDED WIRING AND RUN BACK TO HEAD UNIT. VERIFY LOCATION OF HEAD UNIT IN FIELD.
 - EXISTING CEILING MOUNTED SPEAKER TO BE RELOCATED TO NEW SUSPENDED CEILING. VERIFY LENGTH OF EXISTING WIRING CAN BE MOVED TO NEW LOCATION AND PROTECT DURING DEMOLITION. IF WIRING IS NOT LONG ENOUGH, THEN REPLACE WITH NEW SPEAKER WIRE RUN BACK TO HEAD UNIT. VERIFY HEAD UNIT LOCATION IN FIELD.
 - HARD CEILING TO BE REMOVED. EXISTING HEAT DETECTOR TO BE REMOUNTED TO EXISTING STRUCTURAL CEILING.

- Proposed Electrical Key Notes**
- RECONNECT NEW LIGHTING TO EXISTING LIGHTING CIRCUIT. PROVIDE NEW WIRE AND CIRCUIT BREAKER(S); MATCH EXISTING. CONTRACTOR MAY REUSE CONDUIT WHERE APPLICABLE.
 - PROVIDE UNSWITCHED LINE-POWER FROM EXISTING LIGHTING CIRCUIT IN AREA TO FEED FLUSHMETER DEVICES. ALL BRANCH WIRING AND CONDUIT TO BE CONCEALED. COORDINATE WITH PLUMBING CONTRACTOR FINAL LOCATION.
 - RECONNECT EXISTING EXHAUST FAN CIRCUIT TO NEW EXHAUST FAN. PROVIDE UNIT MOUNTED DISCONNECT SWITCH. COORDINATE WITH MECHANICAL CONTRACTOR FOR FINAL LOCATION.
 - RECONNECT 120V/1PH CIRCUIT TO NEW EXHAUST FAN FROM AVAILABLE SPARE CIRCUIT IN NEAREST 120V PANEL. PROVIDE NEW 20A CIRCUIT BREAKER TO MATCH KAIC RATING OF EXISTING PANEL. PROVIDE #212 & #12 GND IN 3/4" C.

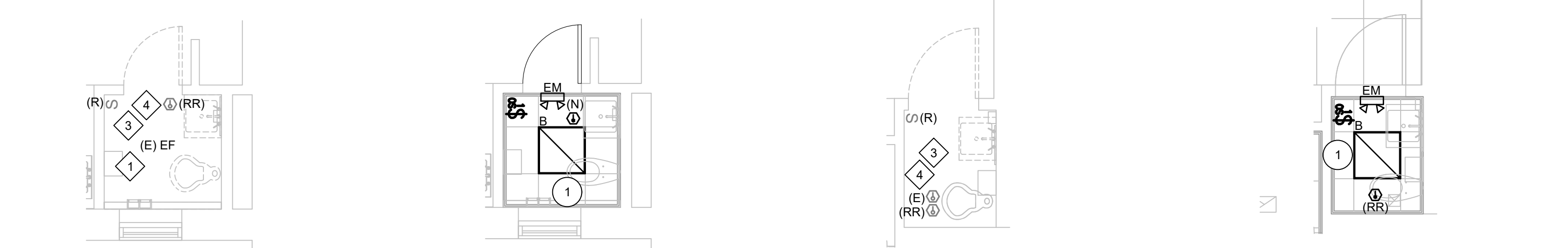
LUMINAIRE SCHEDULE

SYMBOL	TYPE	MANUF.	MODEL	DESCRIPTION	VOLTAGE	WATT
	A	DAY-BRITE CFI - SIGNIFY	2FGX-G-38L-835-4-RS-UNV-DIM	2' x 4' LED LUMINAIRE - GRID LAY-IN	120-277V	27W
	B	DAY-BRITE CFI - SIGNIFY	2FGX-G-38L-835-2-RS-UNV-DIM	2' x 2' LED LUMINAIRE - GRID LAY-IN	120-277V	28W
	EM	CHLORIDE - SIGNIFY	VLLU2	EMERGENCY BATTERY UNIT	120-277V	2W

- LUMINAIRE SCHEDULE NOTES:**
- CONFIRM ALL COLOR TEMPERATURES, LENS, REFLECTORS, DIFFUSERS, TRIMS, FINISHES, AND PAINT COLOR WITH ARCHITECT/OWNER PRIOR TO BID/INSTALLATION.
 - CONNECT UNSWITCHED HOT LEG OF AREA LIGHTING/POWER PACK BRANCH CIRCUIT TO INVERTER RELAY FOR ALL EM EMERGENCY BATTERY UNIT LIGHTS



8 TYPICAL PW-301 WIRING DIAGRAM
N.T.S.



3 ELECTRICAL DEMOLITION PLAN 1/4" = 1'-0" TOILET ROOM 104.1
4 ELECTRICAL PROPOSED PLAN 1/4" = 1'-0" TOILET ROOM 104.1
5 ELECTRICAL DEMOLITION PLAN 1/4" = 1'-0" TOILET ROOM 101.2
6 ELECTRICAL PROPOSED PLAN 1/4" = 1'-0" TOILET ROOM 101.2



7 ELECTRICAL DEMOLITION PLAN 1/4" = 1'-0" TOILET ROOM 202.4
8 ELECTRICAL PROPOSED PLAN 1/4" = 1'-0" TOILET ROOM 202.4

PLEASE CONTACT SLS CONTROLS WITH ANY QUESTIONS OR REVISIONS:

RON LEWERT - ron@slstg.com Cell Phone: 732-815-6931	DICKSON FERNANDES - dickson@slstg.com Cell Phone: 732-740-2294	VENTURA RIVERA - ventura@slstg.com Cell Phone: 732-484-9932
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NJ Certificate of Authorization
 Eng'r. No. 24627937500
 Arch. No. 214C00012400
 Date 12/14/2022
 Checked JC
 Drawn MP

THOMAS WIGHARD, P.E.
 License No. NJZ46490100
 PROFESSIONAL ENGINEER

Revisions:

LAN ASSOCIATES
 engineering • planning • architecture • surveying
 1018 LAUREL OAK ROAD, SUITE 111, VOORHEES, NJ 08043 T. 856-375-2701

1ST & 2ND FLOOR ELECTRICAL PLANS
 TOILET ROOM RENOVATIONS
 ELIZABETH HADDON ELEMENTARY SCHOOL
 501 WEST REDMAN AVENUE
 HADDONFIELD, NJ, 08033

State Project #: 1900-080-22-1000
 Job No. 20277.14
 File No. 20277.14EHES_E
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Eng. No.	24047937500
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Drawn	RJS

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 PROFESSIONAL ENGINEER

Revisions:

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LAN ASSOCIATES
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 1018 LAUREL OAK ROAD, SUITE 111, VOORHEES, NJ 08043 T. 856-375-2701

PLUMBING KEY PLANS AND NOTES
 TOILET ROOM RENOVATIONS
 ELIZABETH HADDON ELEMENTARY SCHOOL
 501 WEST REDMAN AVENUE
 HADDONFIELD NJ, 08033

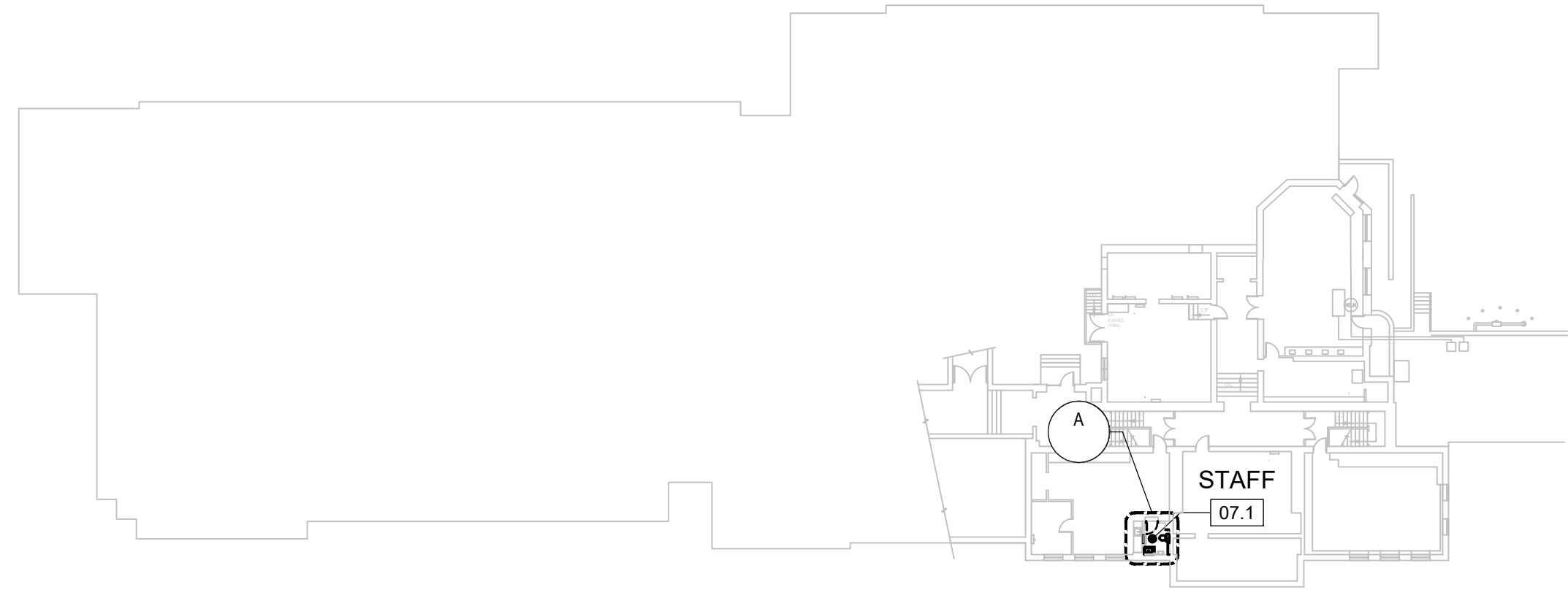
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P0.01

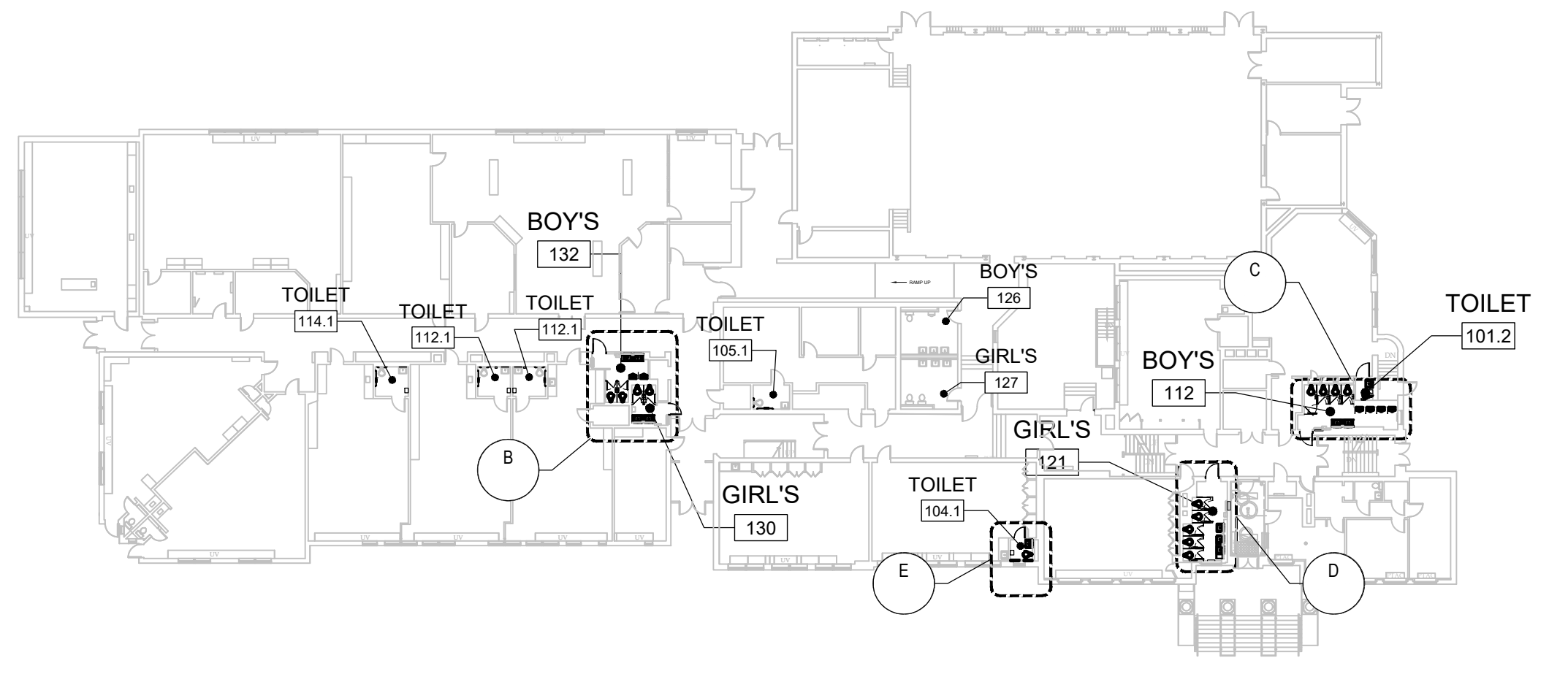
- Plumbing General Notes**
- PLUMBING CONTRACTOR SHALL VISIT JOB SITE AND NOTE ALL EXISTING CONDITIONS TO BE MET BEFORE SUBMITTING BID. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND SHOW THE INTENT OF WORK.
 - PLUMBING CONTRACTOR TO PROCURE AND PAY FOR ALL NECESSARY PERMITS AND LICENSES REQUIRED TO CARRY OUT WORK, OBTAIN AND PAY FOR ALL NECESSARY CERTIFICATES OF APPROVAL FOR WORK, AND PAY FOR ANY LEGAL FEES.
 - INSTALLATION TO COMPLY WITH ALL FEDERAL, STATE, MUNICIPAL LAWS, AND ALL CODES, RULES, ORDINANCES, AND REGULATIONS OF HEALTH, PUBLIC OR OTHER AUTHORITIES CONTROLLING OR LIMITING THE METHODS, MATERIALS TO BE USED OR ACTIONS OF THOSE EMPLOYED IN THE WORK.
 - PLUMBING CONTRACTOR TO PROVIDE TEMPORARY WATER. OWNER TO PAY FOR WATER CONSUMED.
 - PIPE INSTALLATION AS FOLLOWS:
 - ALL PIPING TO BE PITCHED TO LOW POINTS WITH DRAIN VALVES. SOIL, STORM, AND WASTE TO BE SLOPED @ 1/8" PER FOOT MIN.
 - RUN ALL PIPING CONCEALED IN CEILINGS, WALLS AND PARTITIONS.
 - SLEEVE PIPING THAT PASSES THROUGH WALLS.
 - FLASH ALL PIPING THAT PASSES THROUGH ROOF.
 - PROVIDE ROD HANGERS WITH CLEVIS PIPE SUPPORT PER NATIONAL PLUMBING CODE 2003.
 - PROVIDE VALVES REQUIRED FOR COMPLETE CONTROL OF ALL SYSTEMS. STOP VALVES FOR SUPPLY TO ALL FIXTURES TO BE CHROME PLATED WHERE EXPOSED.
 - PROVIDE ACCESS DOORS FOR ALL CONCEALED VALVES AND CLEANOUTS.
 - PLUMBING CONTRACTOR TO PERFORM ALL TESTING OF THE PLUMBING WORK IN THE PRESENCE OF THE OWNER. PROVIDE ALL APPARATUS, TEMPORARY CONNECTIONS, AND OTHER REQUIREMENTS TO DO SUCH TESTS. ANY DEFECTS, LEAKS, ETC. WILL BE REPLACED AND TEST REPEATED UNTIL TEST REQUIREMENTS ARE MET.
 - SUBMIT SHOP DRAWINGS OF ALL WORK TO BE DONE, EQUIPMENT, AND FIXTURES FURNISHED.
 - PLUMBING CONTRACTOR TO CARRY OUT PERIODIC CLEANING TO REMOVE RUBBISH ETC. TO LEAVE PREMISES FREE FROM DEBRIS, AND DISCARDED MATERIALS. AFTER INSTALLATION, CLEAN FIXTURES, FITTINGS, ETC. AND LEAVE READY FOR USE.

- General Notes**
- ALL WORK SHALL CONFORM TO NEW JERSEY STATE ENERGY CODE, NATIONAL STANDARD PLUMBING CODE 2018, AND ALL OTHER APPLICABLE CODES, ORDINANCES, AND LOCAL AUTHORITY HAVING JURISDICTION.
 - CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH THE EXTENT AND SCOPE OF THE WORK PRIOR TO SUBMITTING BIDS OR COMMENCING WORK.
 - CONTRACTOR SHALL REVIEW DRAWINGS AND FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES, AND ADDRESS ALL QUESTIONS TO ARCHITECT/ENGINEER PRIOR TO COMMENCING WORK.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP WORK AREAS UPON COMPLETION OF WORK.
 - THE CONTRACTOR SHALL SECURE AND PAY FOR ALL REQUIRED PERMITS, FEES AND INSPECTIONS PRIOR TO COMMENCING WORK. UPON COMPLETION OF WORK THE CONTRACTOR SHALL SECURE CERTIFICATE OF OCCUPANCY.
 - CONTRACTOR SHALL BE RESPONSIBLE TO DISPOSE OF ALL DEMOLISHED MATERIAL OF SITE IN AN APPROVED MANNER.

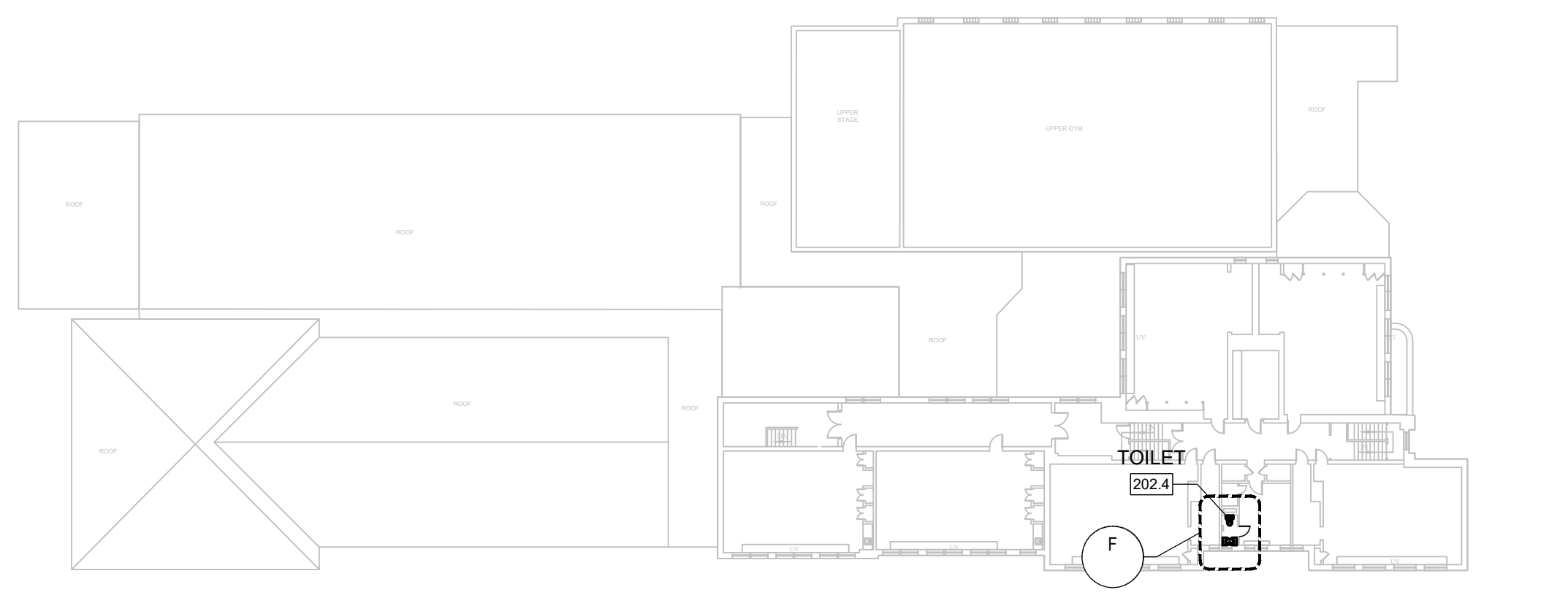
1 GROUND FLOOR
 1/32" = 1'-0" KEY PLAN



2 FIRST FLOOR
 1/32" = 1'-0" KEY PLAN

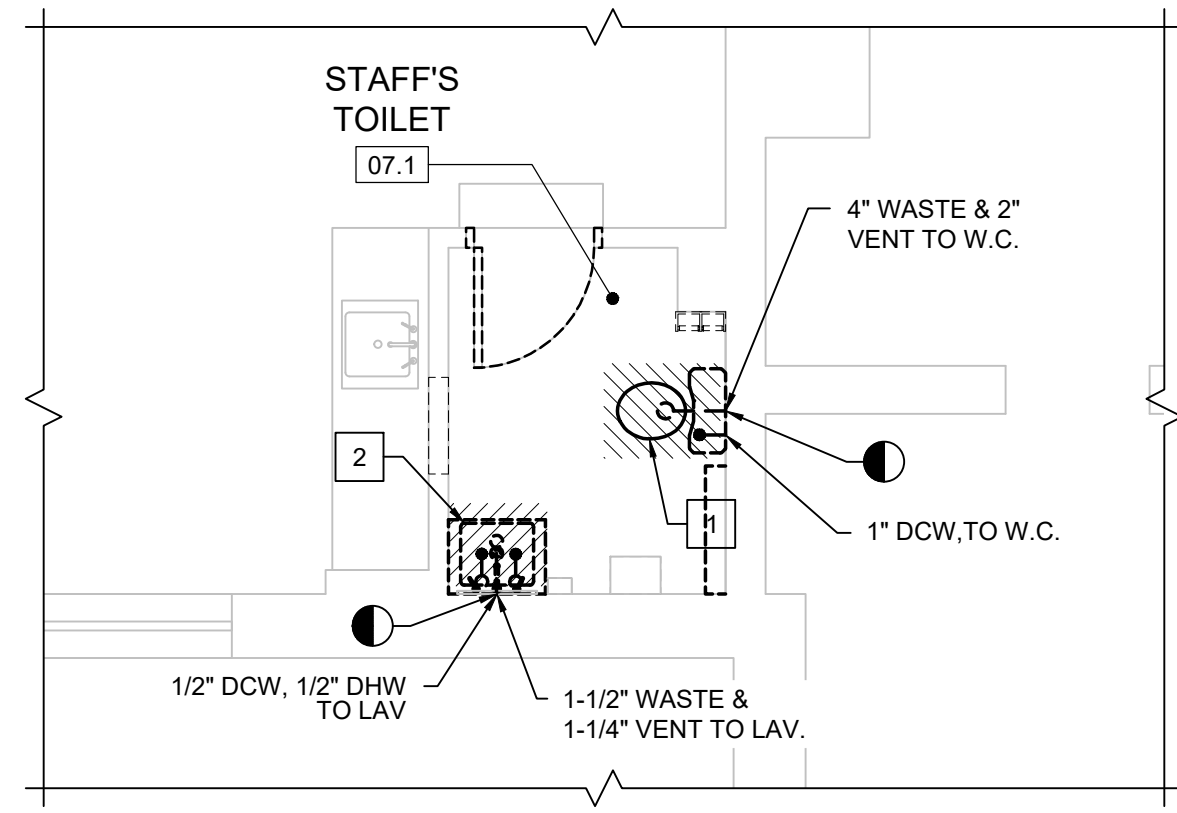


3 SECOND FLOOR
 1/32" = 1'-0" KEY PLAN

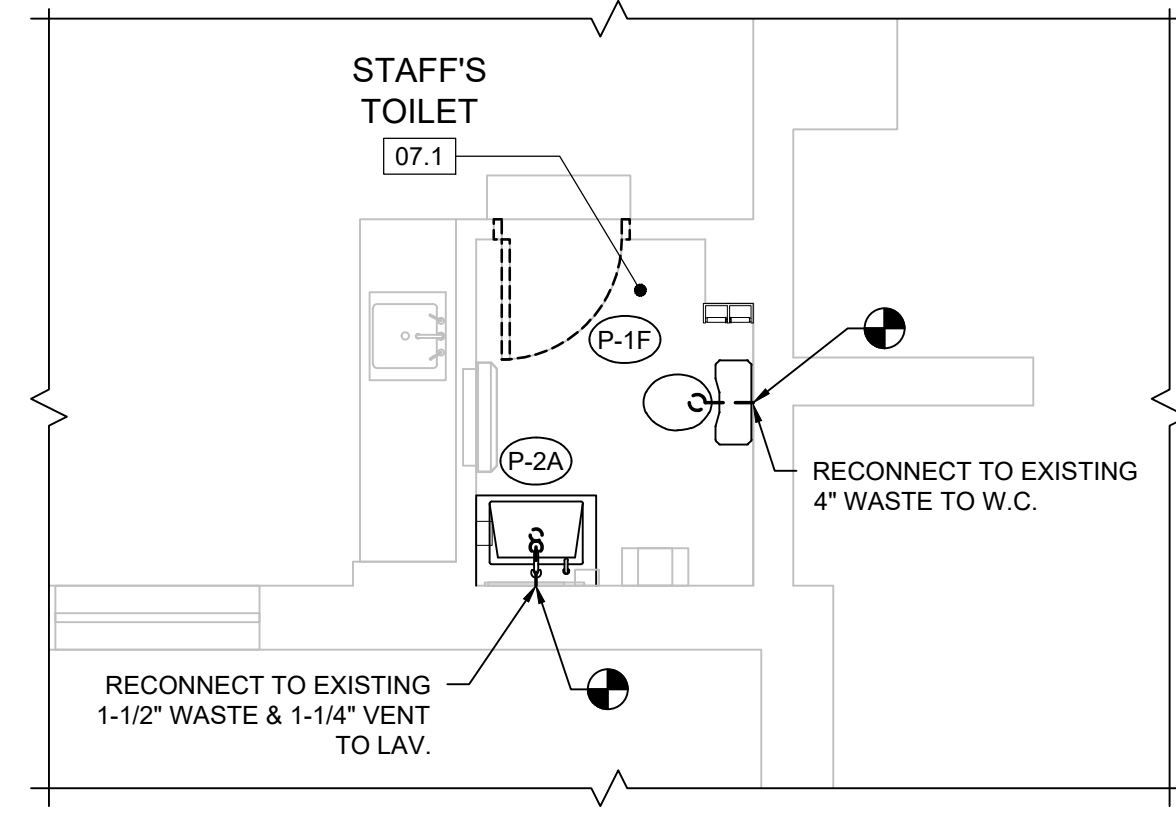


ENLARGED PLAN DRAWING LIST				
MARK	ROOM TYPE / NUMBER	DEMOLITION PLAN	PROPOSED SANITARY & VENTING PLAN	PROPOSED DOMESTIC WATER PLAN
A	STAFF 07.1	1 / P2.01	2 / P2.01	3 / P2.01
B	GIRLS 130, BOYS 132	4 / P2.01	5 / P2.01	6 / P2.01
C	BOYS TOILET 112	1 / P2.02	2 / P2.02	3 / P2.02
D	GIRLS TOILET 121	4 / P2.02	5 / P2.02	6 / P2.02
E	TOILET 104.1	4 / P2.03	5 / P2.03	6 / P2.03
F	TOILET 202.4	1 / P2.03	2 / P2.03	3 / P2.03
C	TOILET 101.2	1 / P2.02	2 / P2.02	3 / P2.02
	TOILET 114.1	NO PLUMBING WORK NEEDED		
	TOILET 112.1	NO PLUMBING WORK NEEDED		
	TOILET 110.1	NO PLUMBING WORK NEEDED		
	BOYS TOILET 126	NO PLUMBING WORK NEEDED		
	GIRL'S TOILET 127	NO PLUMBING WORK NEEDED		
	TOILET 105.1	NO PLUMBING WORK NEEDED		
	TOILET 302.3	NO PLUMBING WORK NEEDED		

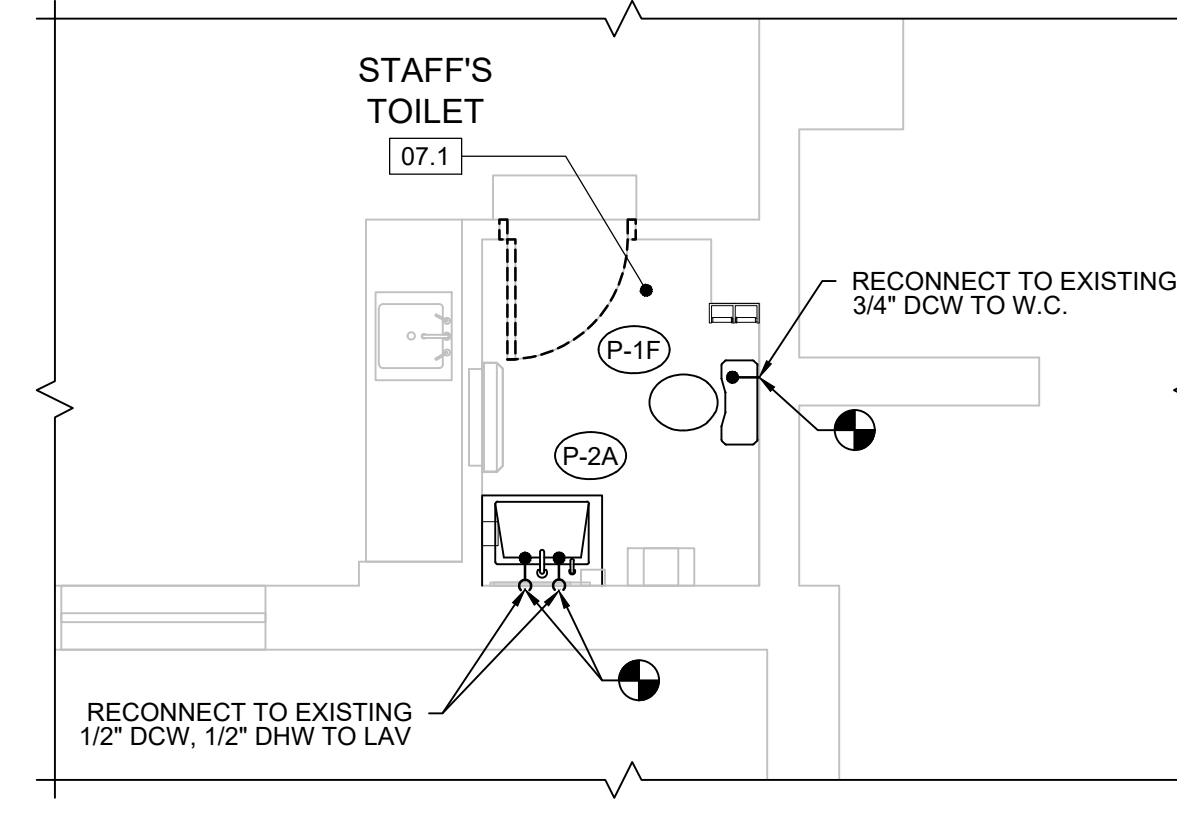
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1 STAFF BATHROOM 07.1
1/4" = 1'-0" DEMOLITION PLAN



2 STAFF BATHROOM 07.1
1/4" = 1'-0" PROPOSED SANITARY / VENT



3 STAFF BATHROOM 07.1
1/4" = 1'-0" PROPOSED DOMESTIC WATER

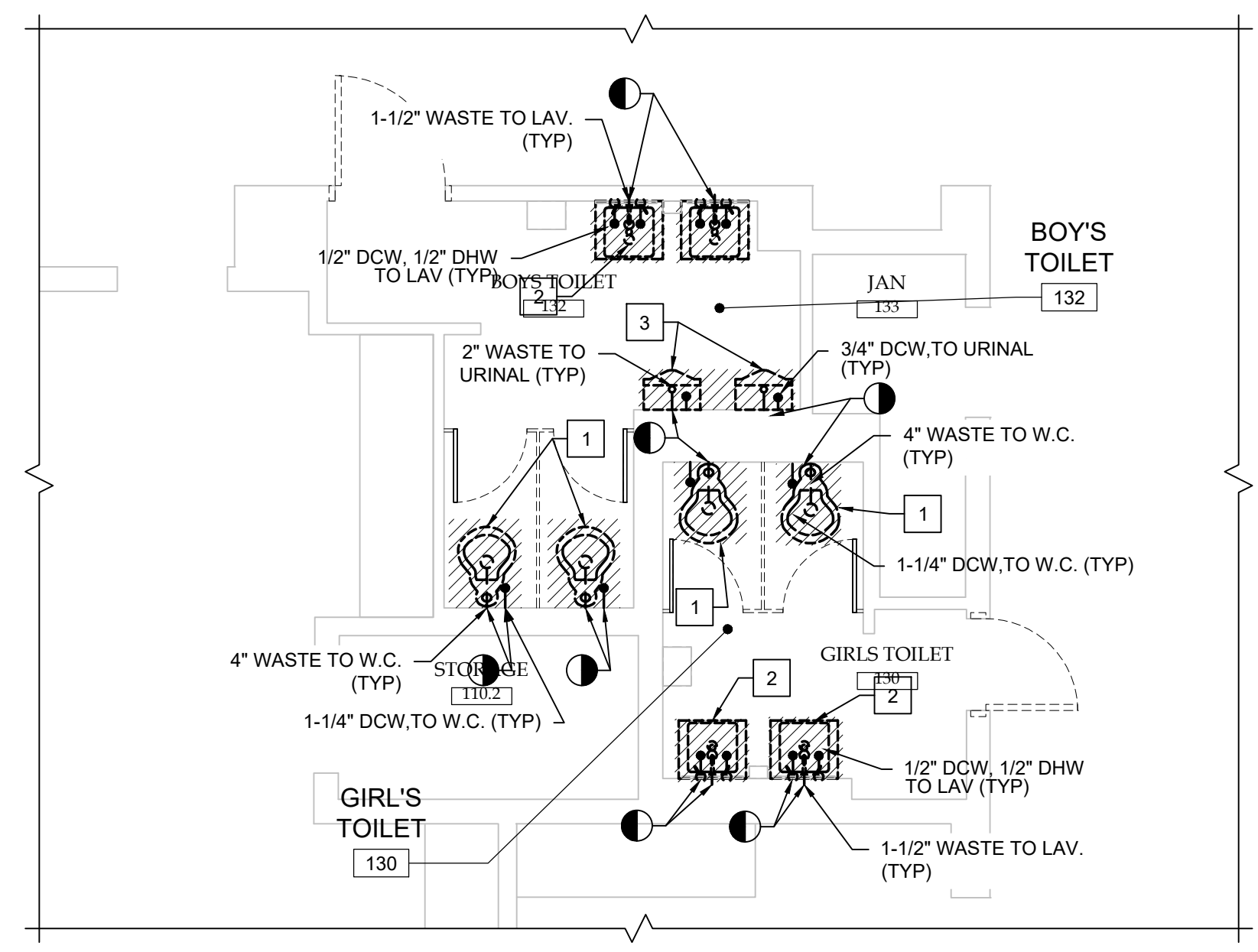
	Existing To Remain	Proposed
Domestic Cold Water	-----	-----
Domestic Hot Water	-----	-----
Sanitary Waste	-----	-----
Sanitary Vent	-----	-----
Point of Connection to Existing		

	Existing To Remain	Demolition
Domestic Cold Water	-----	-----
Domestic Hot Water	-----	-----
Sanitary Waste	-----	-----
Sanitary Vent	-----	-----
Point of Disconnection from Existing		

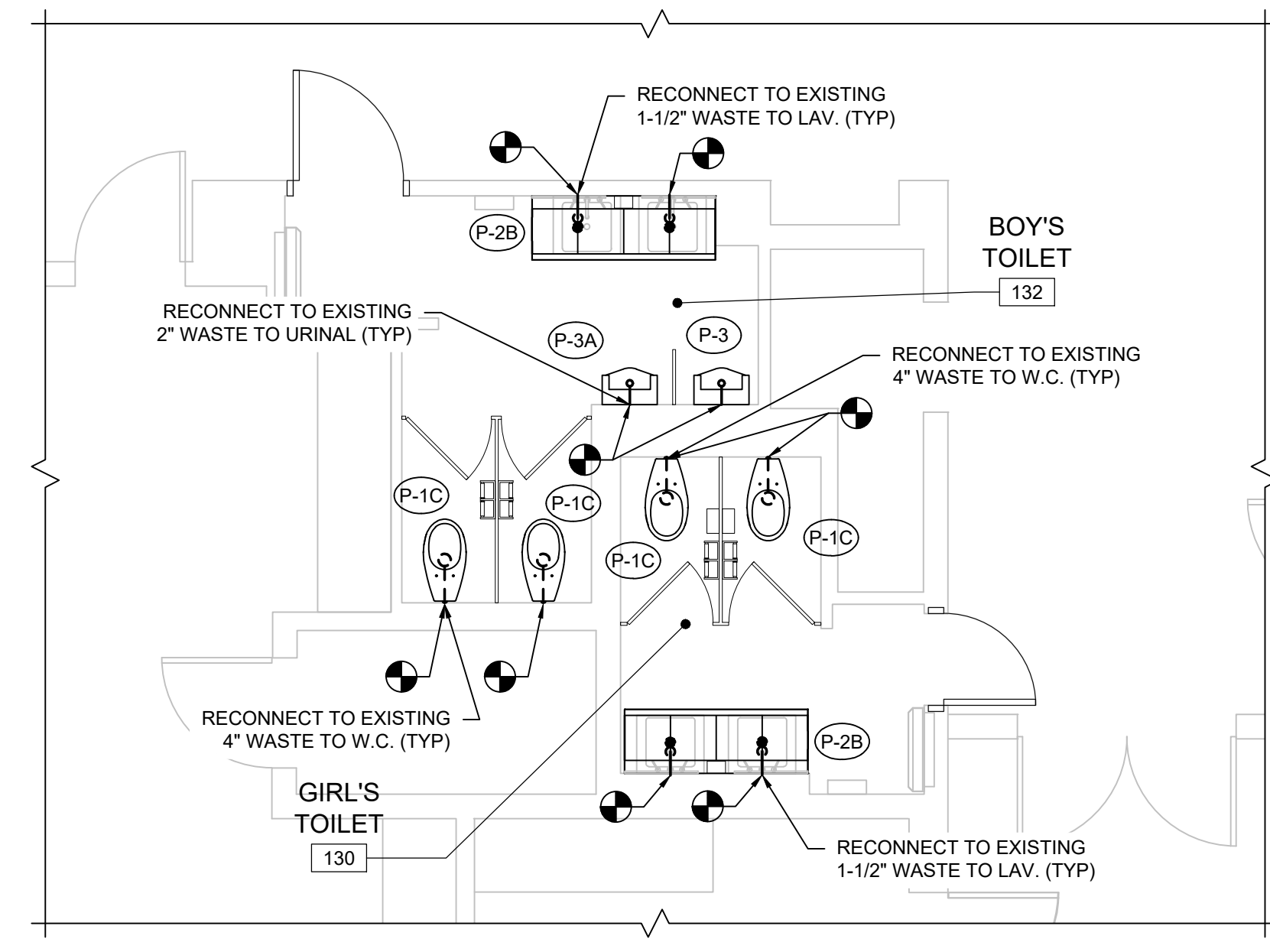
- GENERAL PLUMBING DEMOLITION NOTES**
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 - ALL SANITARY LINES BEING DEMOLISHED SHALL BE REMOVED BACK TO THE MAINS. DEAD END SHALL NOT EXCEED THE MAXIMUM LENGTH PER LATEST PLUMBING CODE.
 - REMOVE ALL EXIST. ABANDONED ROUGH-IN PIPING, WHETHER THEY ARE SHOWN OR NOT ON THE DRAWING. PATCH EXISTING FLOOR OPENINGS WHERE ARE NOT REUSED FOR NEW PIPE PENETRATIONS. PAINT TO MATCH EXISTING CEILING FINISH.
 - ANY CUTTING, PATCHING, OR FINISH REPAIR WORK REQUIRED FOR PLUMBING DEMOLITION IS THE RESPONSIBILITY OF THE PLUMBING SUBCONTRACTOR.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR SHUTDOWN AND/OR TO ISOLATE SECTIONS OF PLUMBING SYSTEM, AND DRAIN WATER FROM THE SYSTEM TO ACCOMMODATE FOR DEMOLITION. RESTORE THE SYSTEM AS REQUIRED.
 - ANY SHUT-DOWNS MUST BE COORDINATED WITH THE OWNER MIN 72 HOURS IN ADVANCE. THE CONTRACTOR SHALL NOT SHUT DOWN ENTIRE SECTIONS OF THE BUILDING AT ONE TIME. PROVIDE BYPASS LINES AS NECESSARY TO WORK ON INDIVIDUAL BATHROOMS WHILE MAINTAINING THE INTEGRITY OF THE REST OF THE PLUMBING SYSTEM.
 - SAWCUT EXIST. WALLS/CHASES/FLOOR SLABS/CILING AS REQUIRED FOR DEMOLITION OF ALL EXIST. PLUMBING FIXTURES & PIPING. PATCH TO MATCH EXISTING.

- PLUMBING DEMOLITION KEY NOTES**
- REMOVE EXISTING WATER CLOSET & ALL RELATED FLUSH VALVE, PIPING, VALVES, FITTINGS, ETC. REMOVE ALL RELATED PIPING WITHIN WALL/CHASE BEING DEMOLISHED. SAWCUT EXISTING MASONRY WALL OR CONCRETE FLOOR AS REQUIRED TO ALLOW REMOVAL OF EXISTING AND INSTALLATION OF NEW SCOPE OF WORK. CUT AND MODIFY EXISTING PLUMBING AND SANITARY LINES AS REQUIRED TO ACCOMMODATE NEW SCOPE OF WORK
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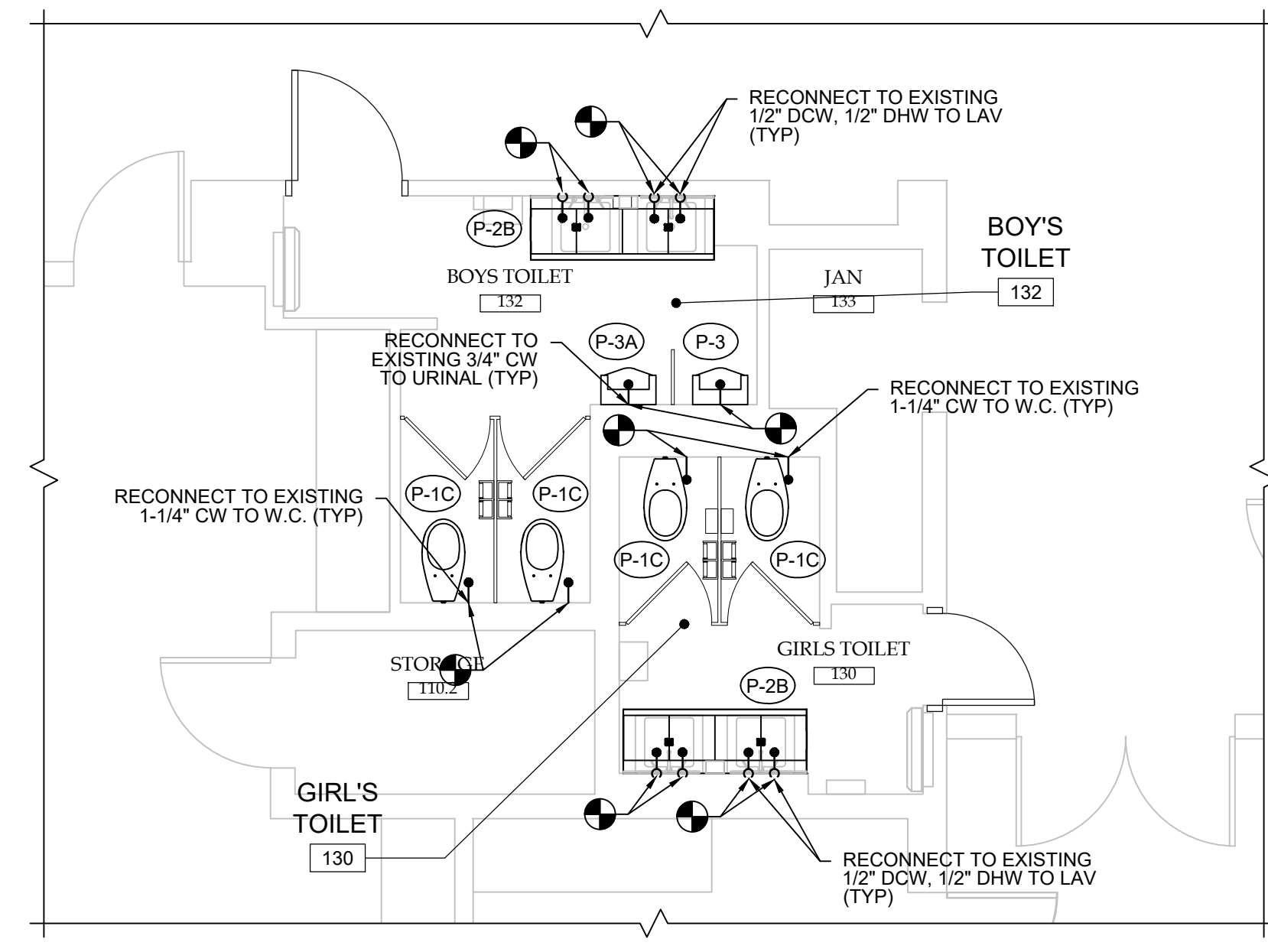
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4 BOY'S BATHROOM 132 & GIRL'S BATHROOM 130
1/4" = 1'-0" DEMOLITION PLAN



5 BOY'S BATHROOM 132 & GIRL'S BATHROOM 130
1/4" = 1'-0" PROPOSED SANITARY / VENT



6 BOY'S BATHROOM 132 & GIRL'S BATHROOM 130
1/4" = 1'-0" PROPOSED DOMESTIC WATER

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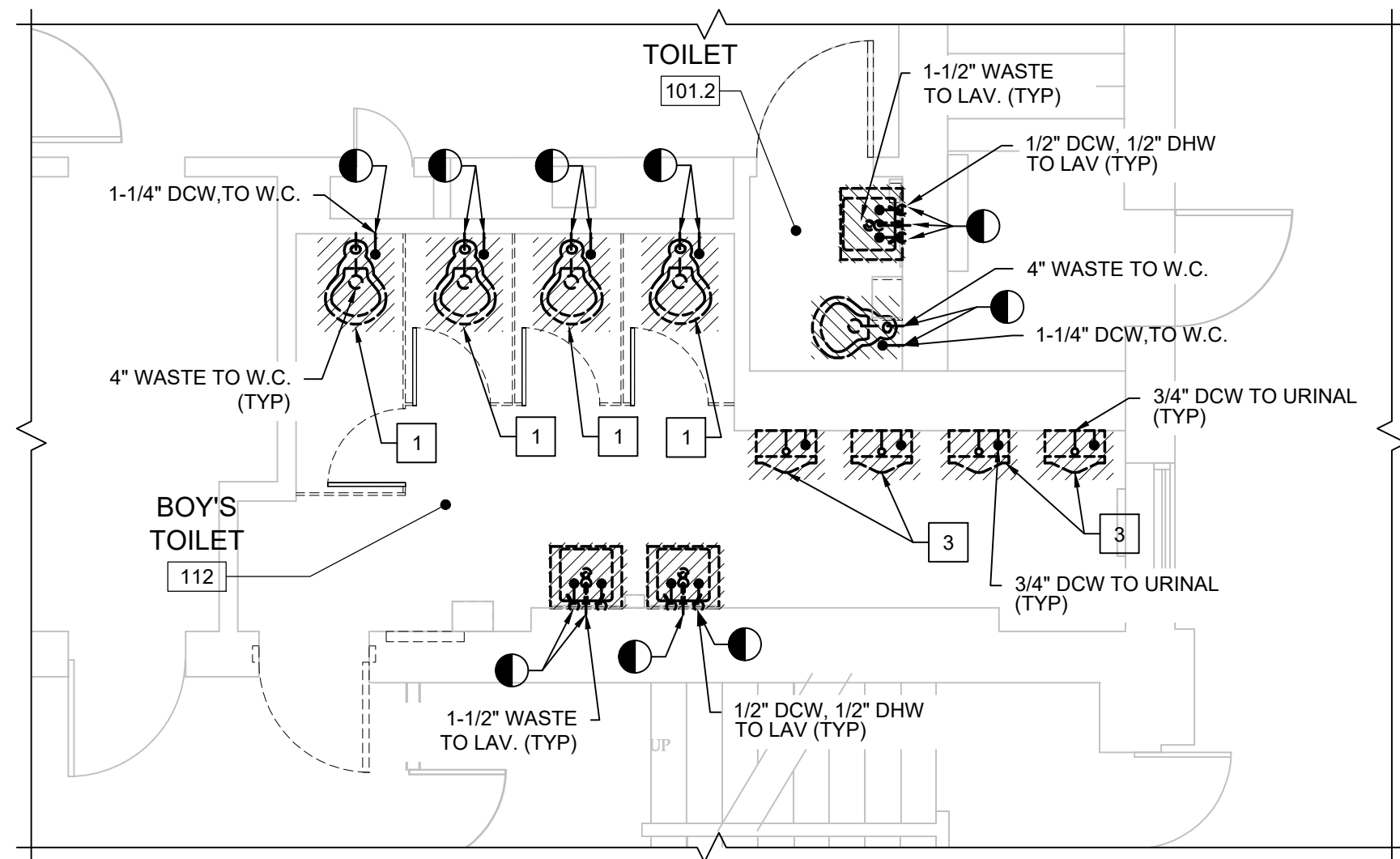
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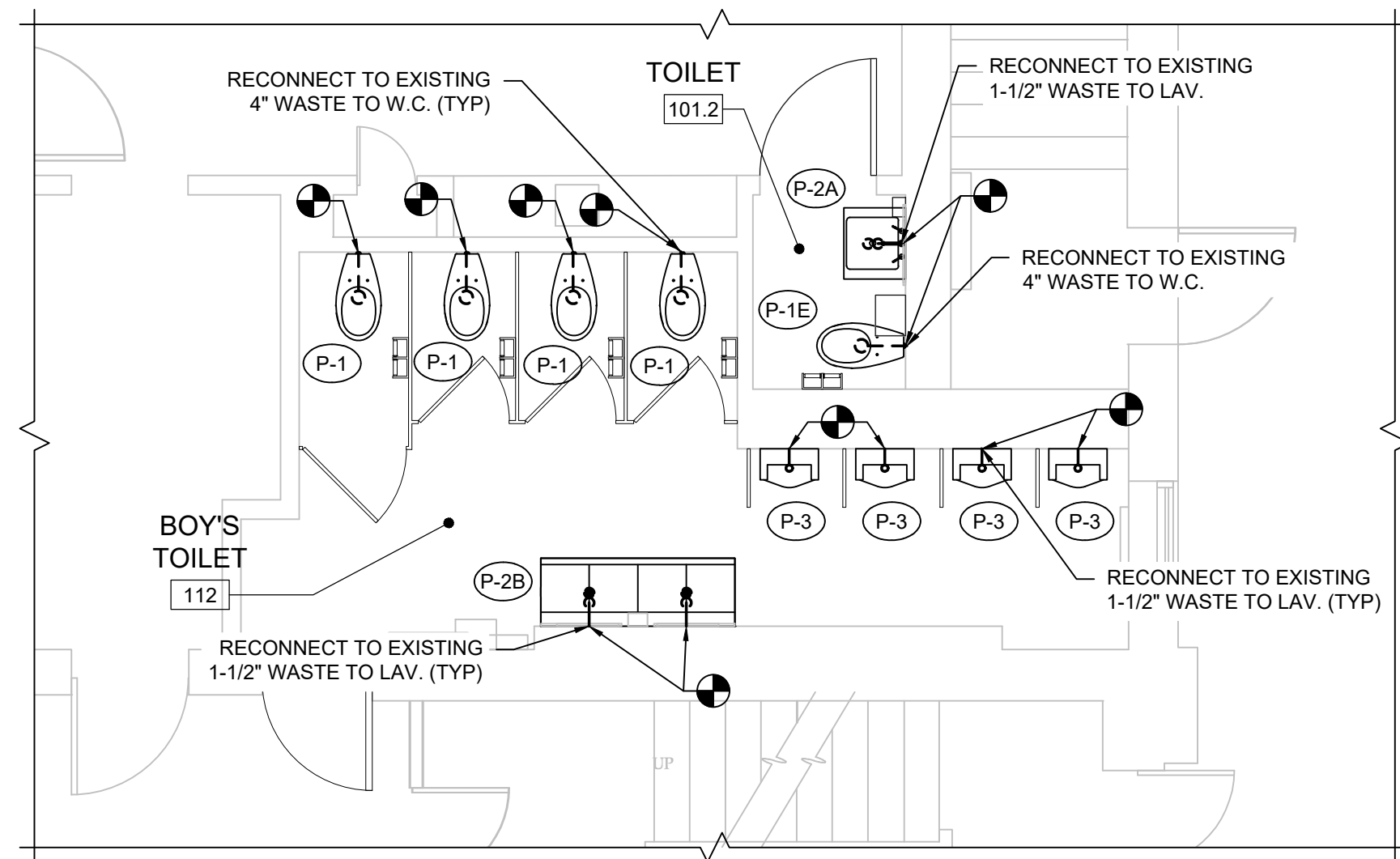
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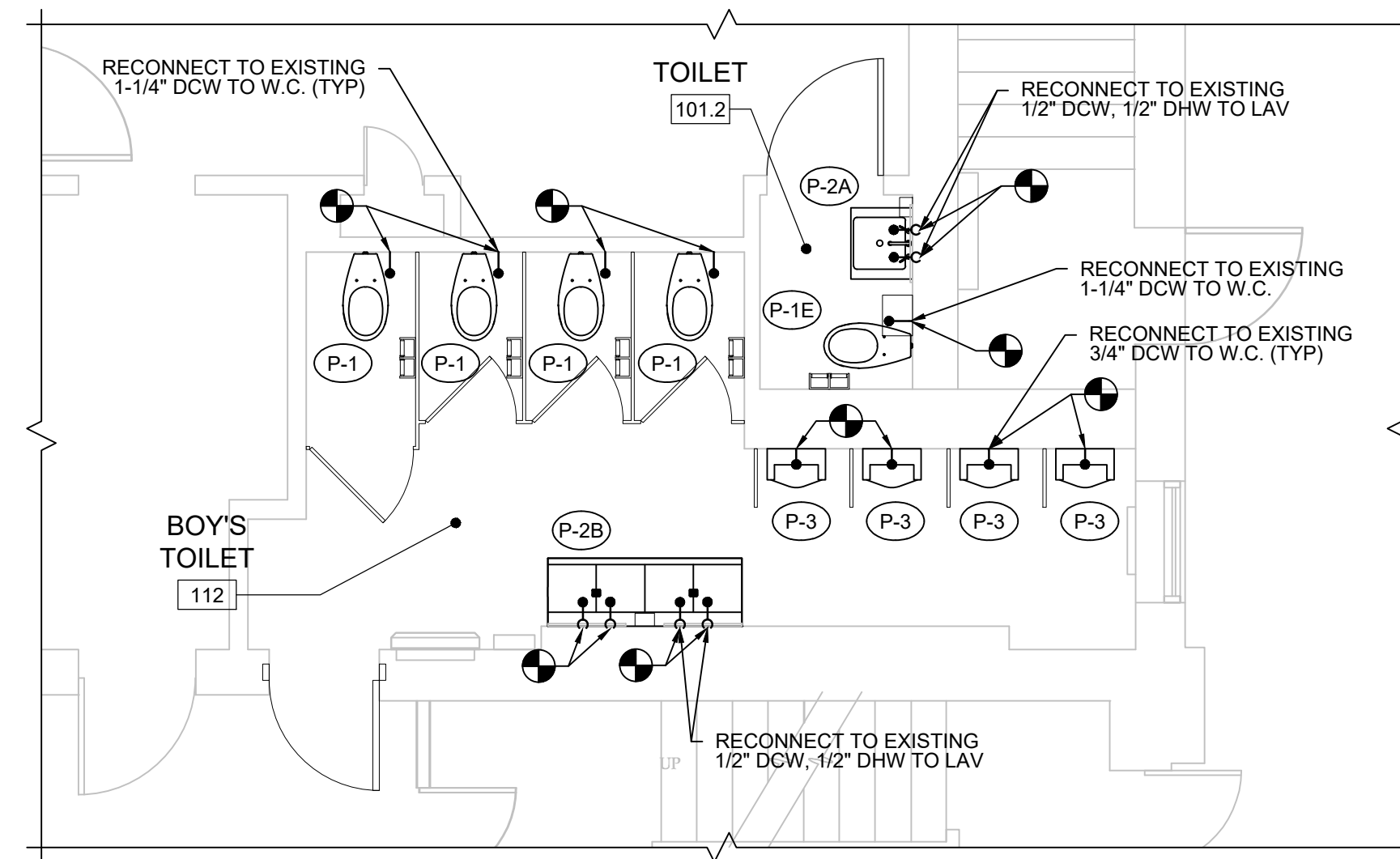
1 BOY'S BATHROOM 112
1/4" = 1'-0"

DEMOLITION PLAN



2 BOY'S BATHROOM 112
1/4" = 1'-0"

PROPOSED SANITARY/VENTING



3 BOY'S BATHROOM 112
1/4" = 1'-0"

PROPOSED DOMESTIC WATER

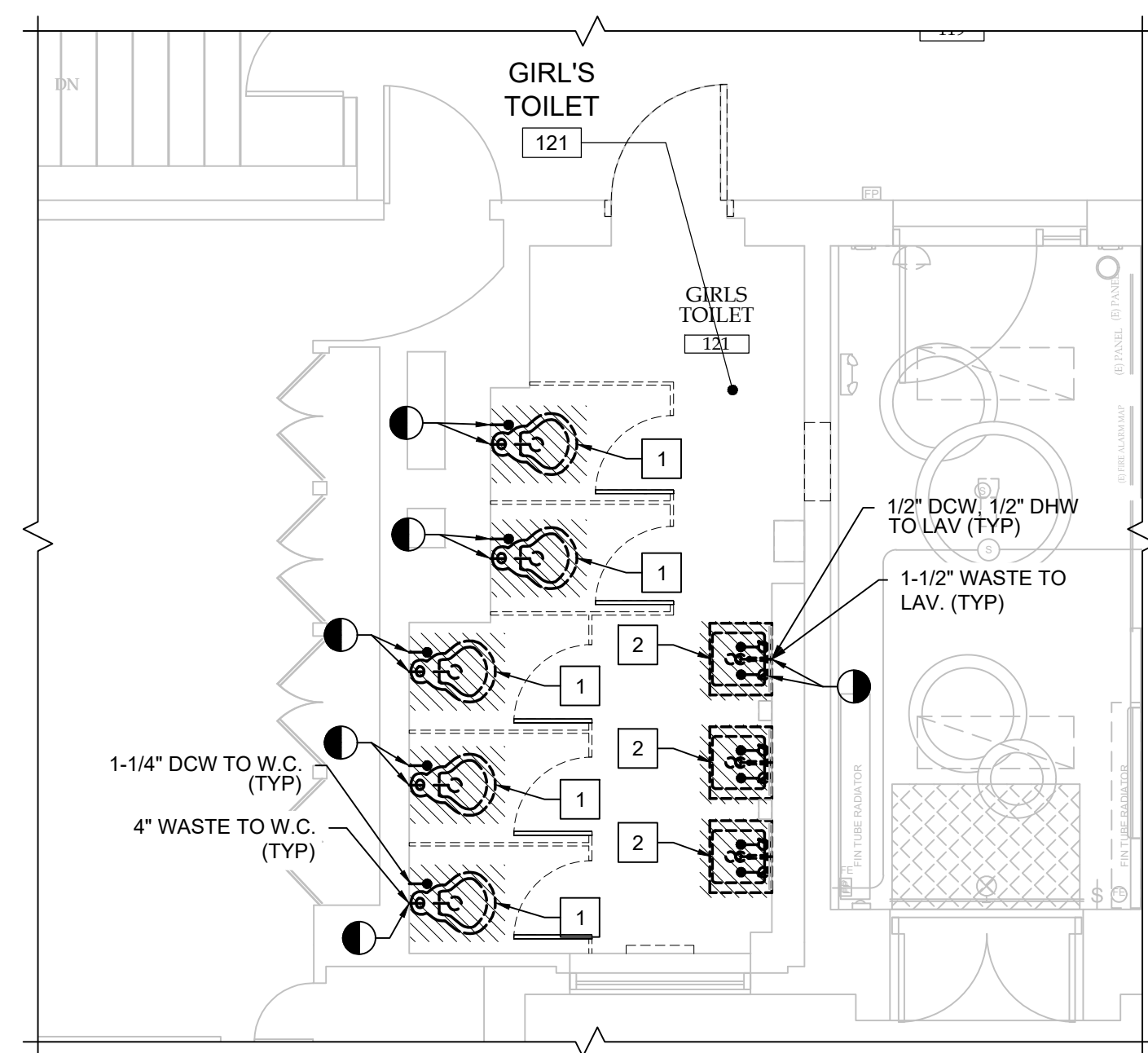
Existing To Remain	Demolition
Domestic Cold Water	-----
Domestic Hot Water	-----
Sanitary Waste	-----
Sanitary Vent	-----
Point of Disconnection from Existing	●

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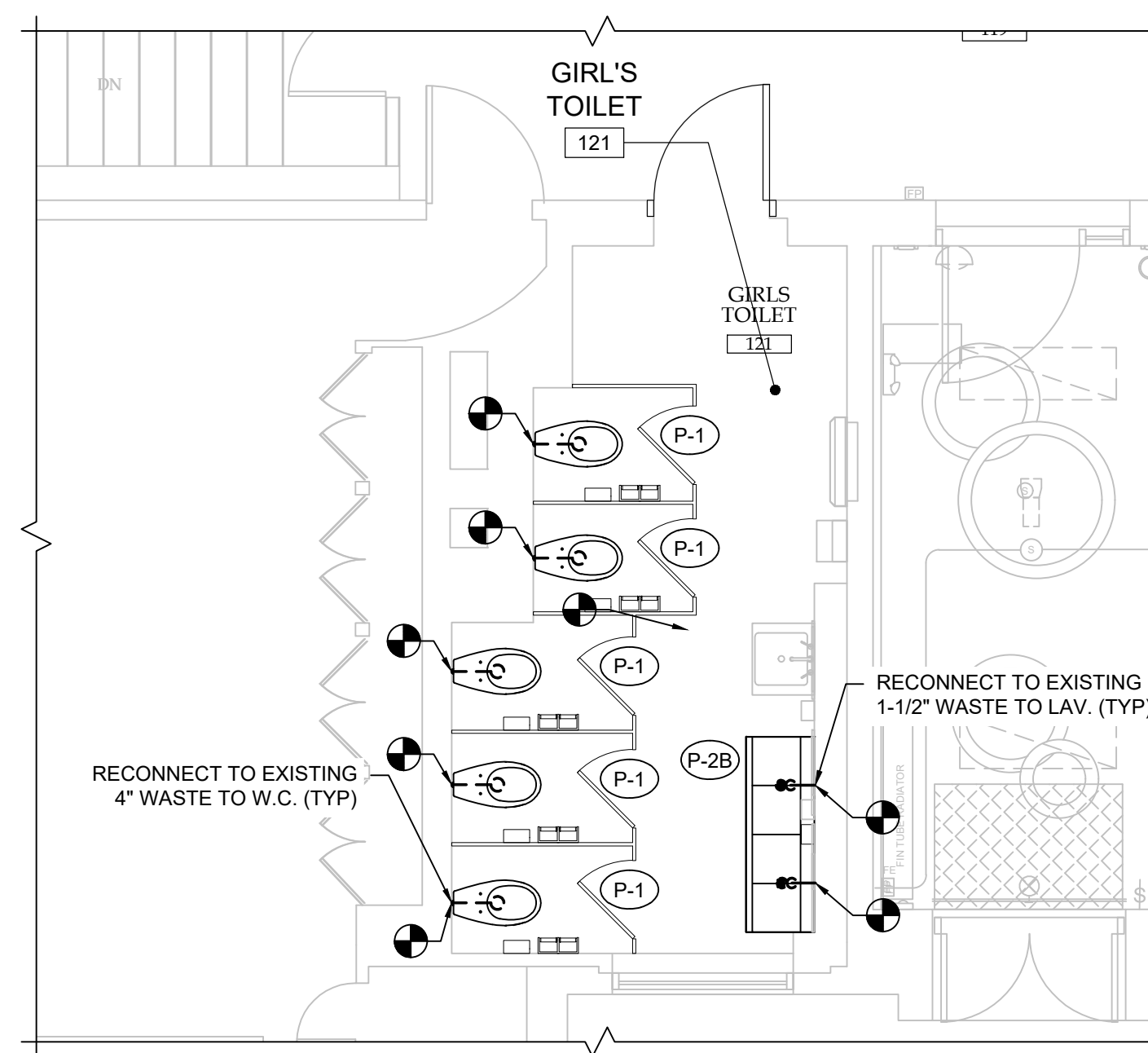
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Existing To Remain	Proposed
Domestic Cold Water	-----
Domestic Hot Water	-----
Sanitary Waste	-----
Sanitary Vent	-----
Point of Connection to Existing	●



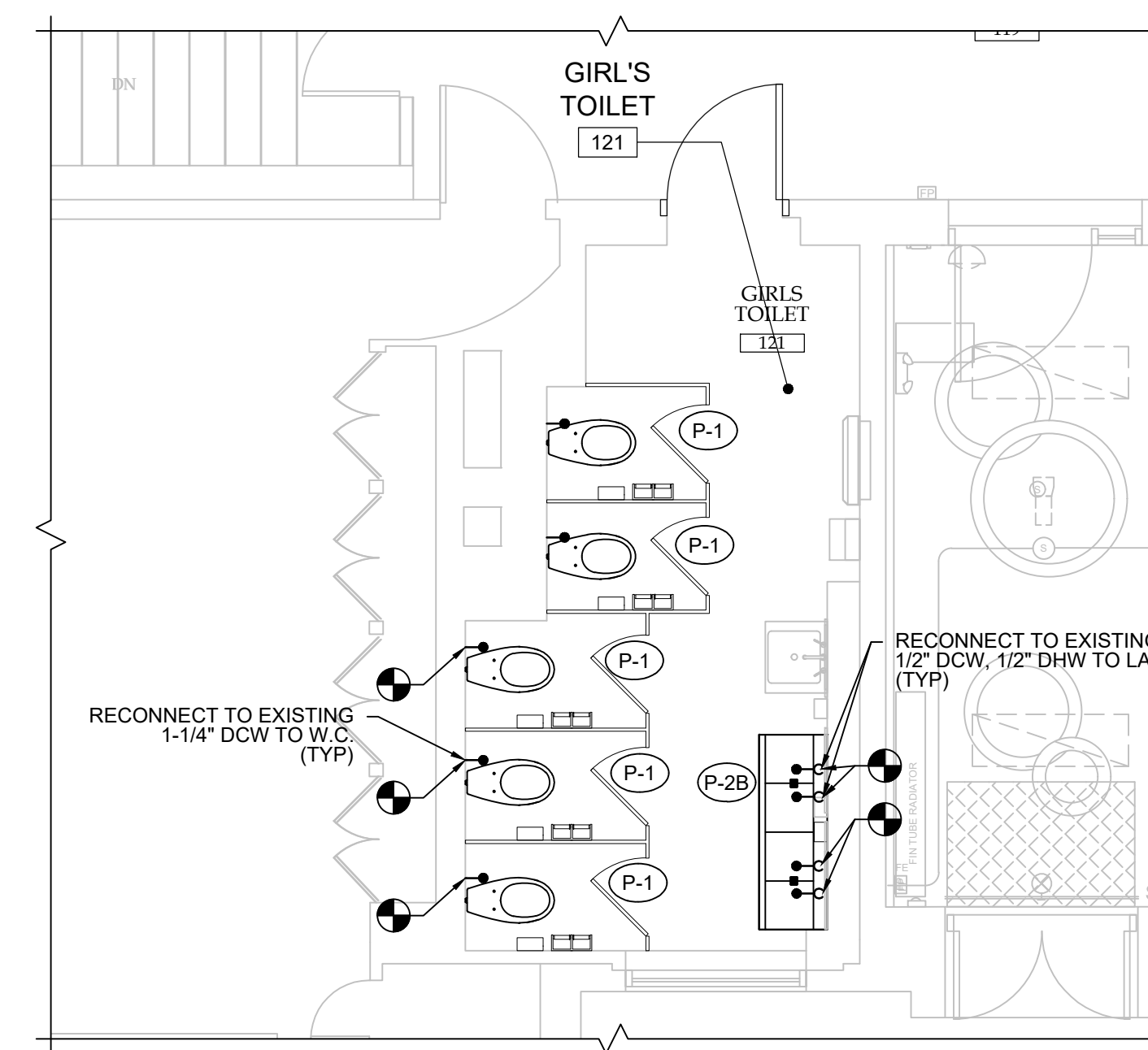
4 GIRL'S BATHROOM 121
1/4" = 1'-0"

DEMOLITION PLAN



5 GIRL'S BATHROOM 121
1/4" = 1'-0"

PROPOSED SANITARY / VENT



6 GIRL'S BATHROOM 121
1/4" = 1'-0"

PROPOSED DOMESTIC WATER

NJ Certificate of Authorization
Eng. No. 24047937500
Arch. No. 21A00012400
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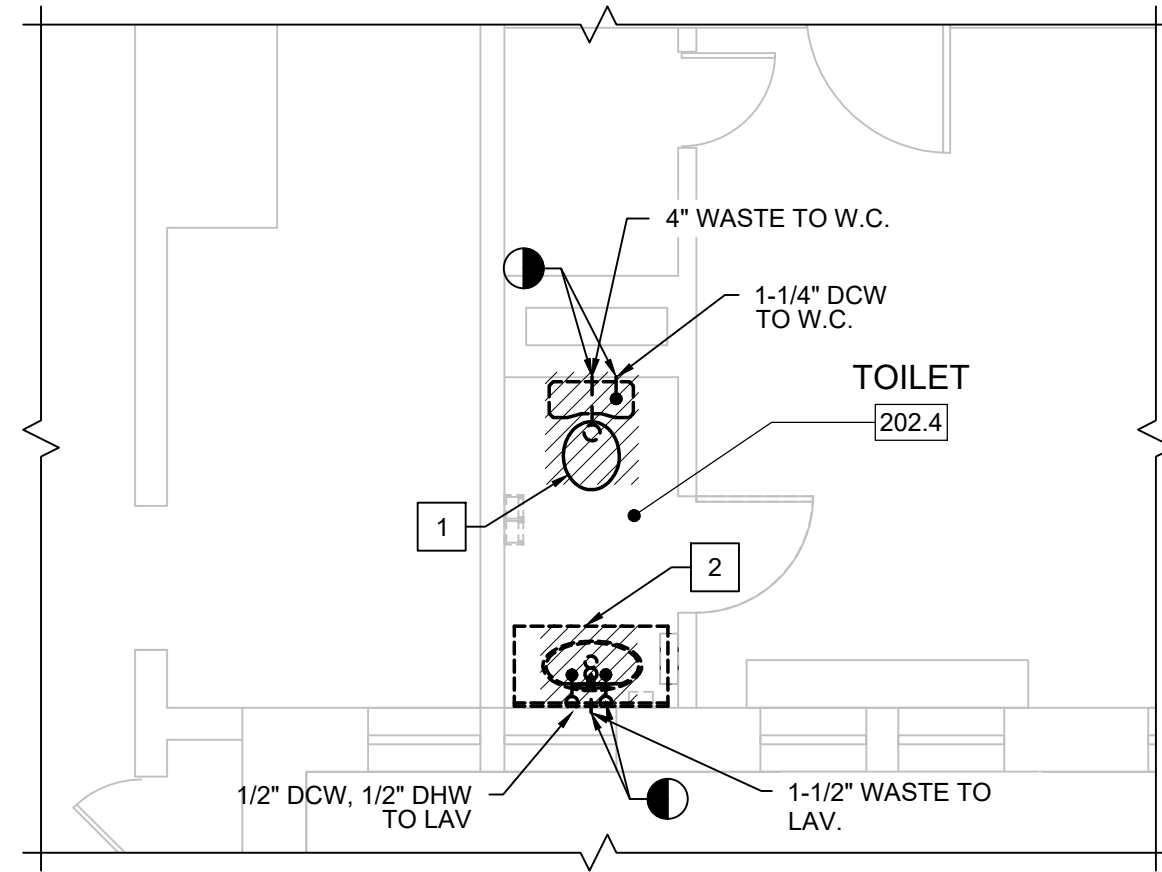
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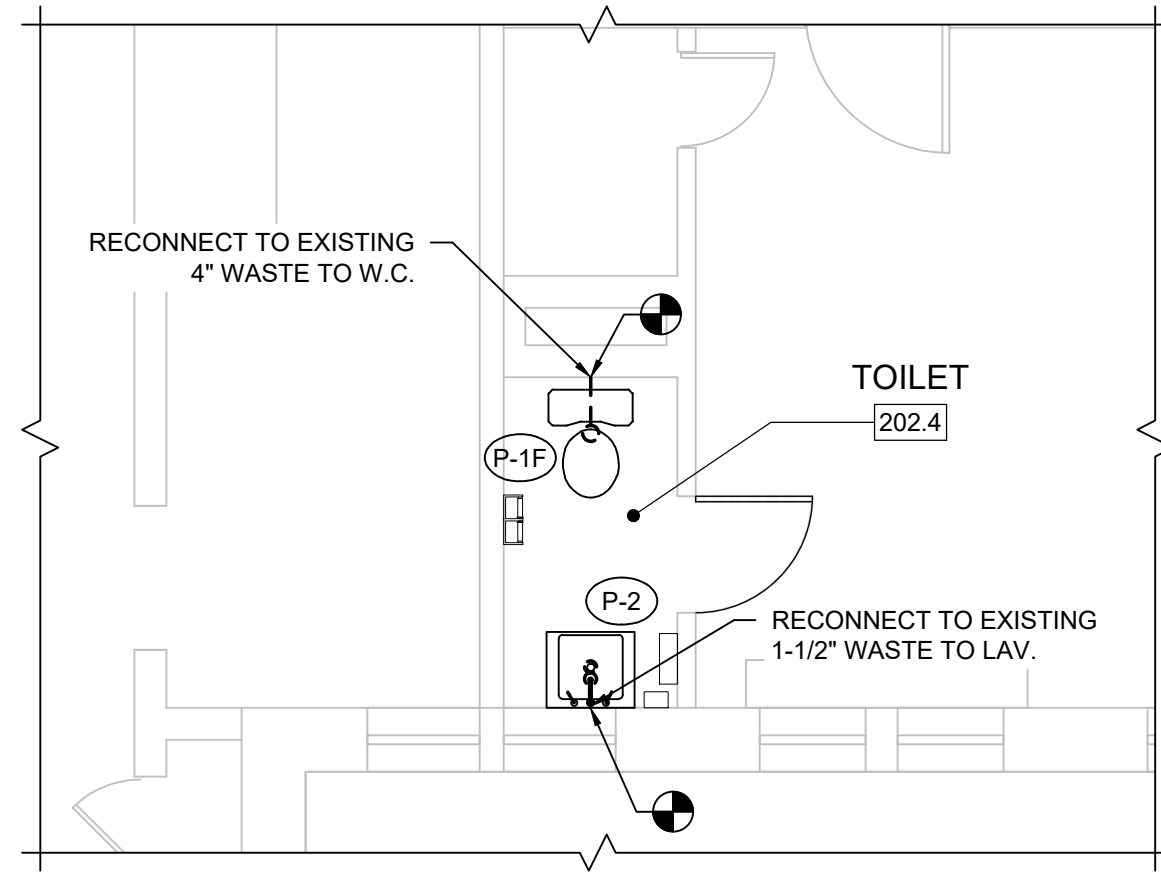
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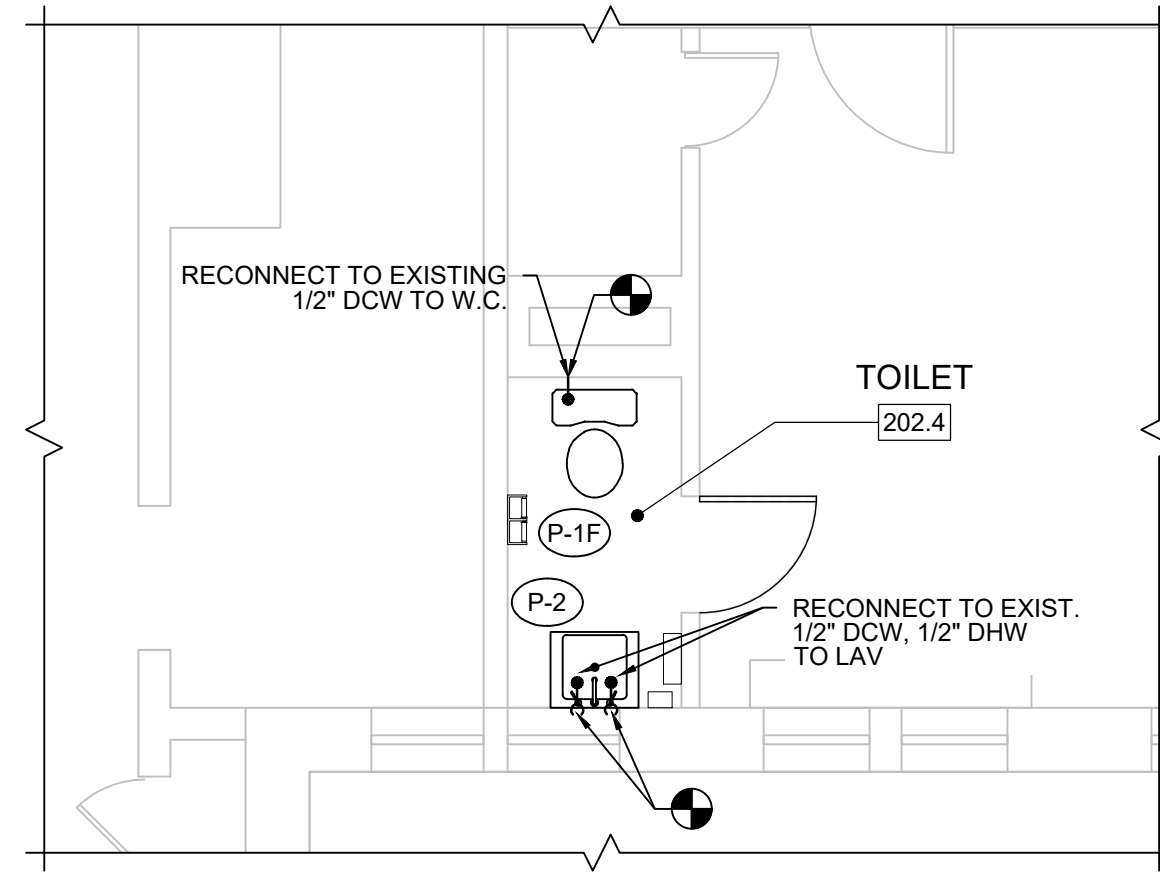
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1 TOILET 202.4
1/4" = 1'-0" DEMOLITION PLAN



2 TOILET 202.4
1/4" = 1'-0" PROPOSED SANITARY/VENTING



3 TOILET 202.4
1/4" = 1'-0" PROPOSED DOMESTIC WATER

Existing To Remain	Demolition
Domestic Cold Water	-----
Domestic Hot Water	-----
Sanitary Waste	-----
Sanitary Vent	-----
Point of Disconnection from Existing	⊙

PLUMBING DEMOLITION KEY NOTES

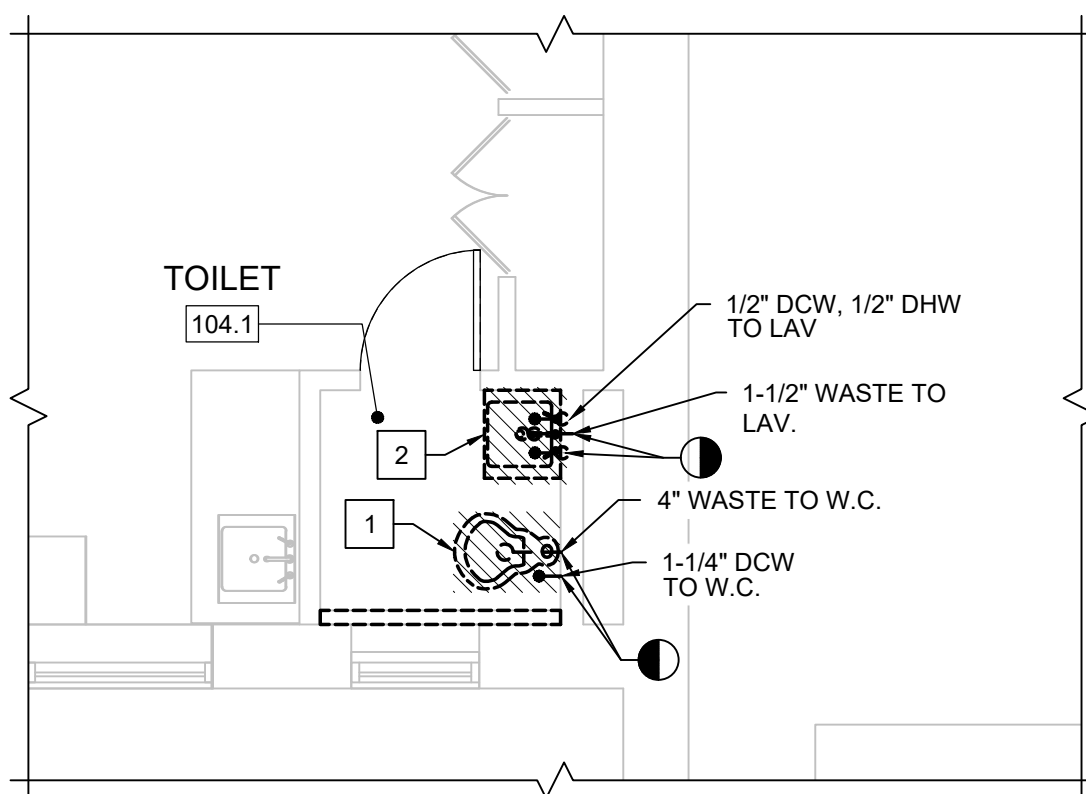
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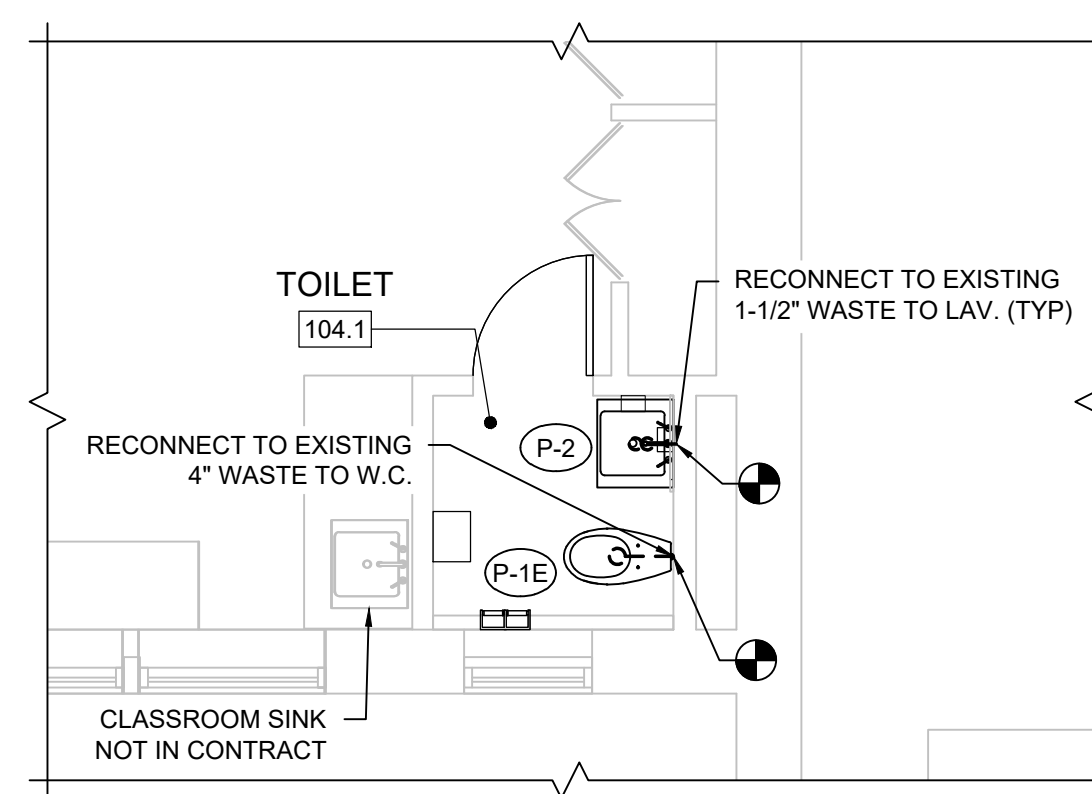
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- ANY CUTTING, PATCHING, OR FINISH REPAIR WORK REQUIRED FOR PLUMBING DEMOLITION IS THE RESPONSIBILITY OF THE PLUMBING SUBCONTRACTOR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SHUTDOWN AND/OR TO ISOLATE SECTIONS OF PLUMBING SYSTEM, AND DRAIN WATER FROM THE SYSTEM TO ACCOMMODATE FOR DEMOLITION. RESTORE THE SYSTEM AS REQUIRED.
- ANY SHUT-DOWNS MUST BE COORDINATED WITH THE OWNER MIN 72 HOURS IN ADVANCE. THE CONTRACTOR SHALL NOT SHUT DOWN ENTIRE SECTIONS OF THE BUILDING AT ONE TIME. PROVIDE BYPASS LINES AS NECESSARY TO WORK ON INDIVIDUAL BATHROOMS WHILE MAINTAINING THE INTEGRITY OF THE REST OF THE PLUMBING SYSTEM.
- SAWCUT EXIST. WALLS/CHASES/FLOOR SLABS/CEILING AS REQUIRED FOR DEMOLITION OF ALL EXIST. PLUMBING FIXTURES & PIPING. PATCH TO MATCH EXISTING.

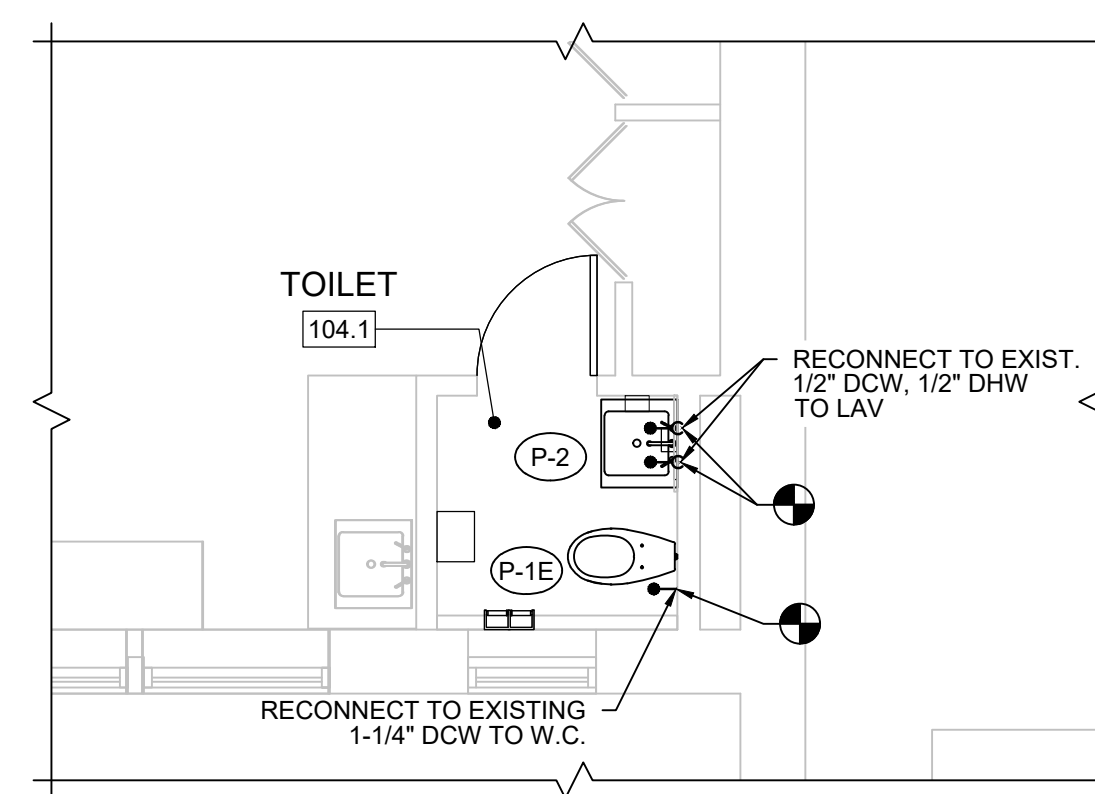
Existing To Remain	Proposed
Domestic Cold Water	-----
Domestic Hot Water	-----
Sanitary Waste	-----
Sanitary Vent	-----
Point of Connection to Existing	⊙



4 TOILET 104.1
1/4" = 1'-0" DEMOLITION PLAN



5 TOILET 104.1
1/4" = 1'-0" PROPOSED SANITARY / VENT



6 TOILET 104.1
1/4" = 1'-0" PROPOSED DOMESTIC WATER

Eng. No.	24047937500
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Drawn	RJS

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PROFESSIONAL ENGINEER
License No. NJ24AGE9490100

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LAN ASSOCIATES
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PLUMBING PLANS AND NOTES
TOILET ROOM RENOVATIONS
ELIZABETH HADDON ELEMENTARY SCHOOL
501 WEST REDMAN AVENUE
HADDONFIELD, NJ, 08033

Job No. 20277.14
Rev. No. 20277.14 EHS-P201

P2.03

State Project #: 1900-080-22-1000

PLUMBING FIXTURE SCHEDULE

NUMBER	FIXTURE	MANUFACTURER	MODEL NO.	TRIM NO.	SUPPLY PIPE NO.	TRAP NO.	SUPPORT NO.	PIPE SIZES				DFU	WSFU	NOTES	
								TRAP	WASTE	VENT	DCW				DHW
(P-1) (P-1A)	WATER CLOSET	AMERICAN STANDARD	AFWALL 3351.101	A.S. SELECTRONIC 6065.121.002	-	-	J.R. SMITH 0210Y-M54	INTEGRAL	4"	2"	1"	-	4	5	WALL-MOUNTED ELONGATED FLUSH VALVE TOILET W/ EVERCLEAN, TOP SPUD & 1.28 GPF. COLOR SHALL BE WHITE. PROVIDE W/ AMERICAN STANDARD #5901.100 HEAVY-DUTY OPEN FRONT SEATLESS COVER. SELECTRONIC EVERCLEAN SENSOR ACTIVATED FLUSHOMETER (BATTERY OPERATED). (P-1A) INSTALL TO MEET ADA REQUIREMENTS.
(P-1C) (P-1D)	WATER CLOSET	AMERICAN STANDARD	MADERA 3451.528	A.S. SELECTRONIC 6065.121.002	-	-	FLOOR MOUNTED	INTEGRAL	4"	2"	1"	-	4	5	FLOOR-MOUNTED ELONGATED FLUSH VALVE TOILET W/ EVERCLEAN, TOP SPUD & 1.28 GPF. COLOR SHALL BE WHITE. PROVIDE W/ AMERICAN STANDARD #5901.100 HEAVY-DUTY OPEN FRONT SEATLESS COVER. SELECTRONIC EVERCLEAN SENSOR ACTIVATED FLUSHOMETER (BATTERY OPERATED). (P-1D) INSTALL TO MEET ADA REQUIREMENTS.
(P-1E)	KINDERGARTEN WATER CLOSET	AMERICAN STANDARD	BABY DEVERO 2282.001	A.S. SELECTRONIC 6065.121.002	-	-	FLOOR MOUNTED	INTEGRAL	4"	2"	1"	-	4	5	"KINDERGARTEN HEIGHT" FLOOR-MOUNTED ELONGATED FLUSH VALVE TOILET W/ EVERCLEAN, TOP SPUD & 1.28 GPF. COLOR SHALL BE WHITE. PROVIDE W/ AMERICAN STANDARD #5901.100 HEAVY-DUTY OPEN FRONT SEATLESS COVER, SELECTRONIC EVERCLEAN SENSOR ACTIVATED FLUSHOMETER (BATTERY OPERATED).
(P-1F)	WATER CLOSET (TANK)	AMERICAN STANDARD	CADET 2487.016.020	-	-	-	FLOOR MOUNTED	INTEGRAL	4"	2"	1"	-	4	5	FLOOR-MOUNTED ELONGATED PRESSURE ASSIST TANK TOILET. COLOR SHALL BE WHITE. PROVIDE W/ AMERICAN STANDARD #5901.100 HEAVY-DUTY OPEN FRONT SEATLESS COVER.
(P-2A)	SINGLE LAVATORY SINK	BRADLEY	LVSD1	S53-3000 SERIES R-T-3-PC-BA 6-3000 SERIES R-F-T-BA	MCGUIRE LF158	MCGUIRE 8902C	WALL MOUNTED	1-1/4" x 1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	1	1	SNGL- STATION WALL MOUNTED LAV SYSTEM W/ ENCLOSURE. COLOR SHALL BE -----, & MOUNTING WALL BRACKETS. PROVIDE ADEQUATE STRUCTURAL SUPPORT IN OR BEHIND THE WALL AS REQUIRED. INSTALL TO MEET ADA REQUIREMENTS. INSULATE WATER AND WASTE WITH ADA INSULATION KIT.
(P-2B)	2-STATION LAVATORY SYSTEM SINK	BRADLEY	LVSD2	S53-3000 SERIES R-T-3-PC-BA 6-3000 SERIES R-F-T-BA	MCGUIRE LF158	MCGUIRE 8902C	WALL MOUNTED	1-1/4" x 1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	2	2	2-STATION WALL MOUNTED LAV SYSTEM W/ ENCLOSURE. COLOR SHALL BE -----, & MOUNTING WALL BRACKETS. PROVIDE ADEQUATE STRUCTURAL SUPPORT IN OR BEHIND THE WALL AS REQUIRED. INSTALL TO MEET ADA REQUIREMENTS. INSULATE WATER AND WASTE WITH ADA INSULATION KIT.
(P-2C)	3-STATION LAVATORY SYSTEM SINK	BRADLEY	LVSD3	S53-3000 SERIES R-T-3-PC-BA 6-3000 SERIES R-F-T-BA	MCGUIRE LF158	MCGUIRE 8902C	WALL MOUNTED	1-1/4" x 1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	3	3	3-STATION WALL MOUNTED LAV SYSTEM W/ ENCLOSURE. COLOR SHALL BE -----, & MOUNTING WALL BRACKETS. PROVIDE ADEQUATE STRUCTURAL SUPPORT IN OR BEHIND THE WALL AS REQUIRED. INSTALL TO MEET ADA REQUIREMENTS. INSULATE WATER AND WASTE WITH ADA INSULATION KIT.
(P-3) (P-3A)	URINAL	AMERICAN STANDARD	WASHBROOK 6590.001EC	-	-	-	J.R. SMITH 0637	INTERGRAL	2"	2"	3/4"	-	4	4	WALL-HUNG URINAL W/ 3/4" INLET SPUD, EVERCLEAN & 0.5 GPF. COLOR SHALL BE WHITE. PROVIDE W/ SLOAN SENSOR ACTIVATED FLUSHOMETER & TRANSFORMER #EL-154 FOR EACH FIXTURE. (P-3A) INSTALL TO MEET ADA REQUIREMENTS.

PLUMBING SYSTEM MATERIALS

PIPING:
WASTE & VENT PIPING BELOW GRADE SHALL BE SERVICE WEIGHT CAST IRON PIPE WITH GASKETS. ABOVE GRADE SHALL BE NO-HUB SERVICE WEIGHT CAST IRON PIPE WITH STAINLESS STEEL SHIELDED COUPLINGS.
DOMESTIC HOT AND COLD WATER PIPING ABOVE GRADE SHALL BE TYPE "L" COPPER WITH WROUGHT COPPER SOLDERED FITTINGS (LEAD-FREE SOLDER). BELOW GRADE SHALL BE TYPE "K" COPPER WITH NO FITTINGS. PROGRESS TYPE OR GROOVED-TYPE FITTINGS ARE NOT ACCEPTABLE.

INSULATION:
ALL HOT AND COLD WATER PIPING SHALL BE INSULATED WITH FIBERGLASS PIPE INSULATION WITH ASJ JACKET. REFER TO SPECIFICATIONS FOR INSULATION THICKNESS.

CLEANOUTS:
FLOOR: J.R. SMITH #4020 W/ ROUND NICKEL-BRONZE TOP.
WALL: J.R. SMITH #4532 W/ ROUND STAINLESS STEEL TOP.

WATER HAMMER ARRESTORS:
J.R. SMITH SERIES 5000 "HYDROTROL" W/ ALL STAINLESS STEEL CONSTRUCTION OR APPROVED EQUAL. REFER TO BELOW CHART FOR SIZING & PLACEMENT.

NJ Certificate of Authorization
 Eng. No. 24047937500
 Arch. No. 21AC00012400
 Date 12/14/2022
 Checked TW
 Drawn RJS

THOMAS WIGHARD, P.E.
 License No. NJ24064901100
 PROFESSIONAL ENGINEER

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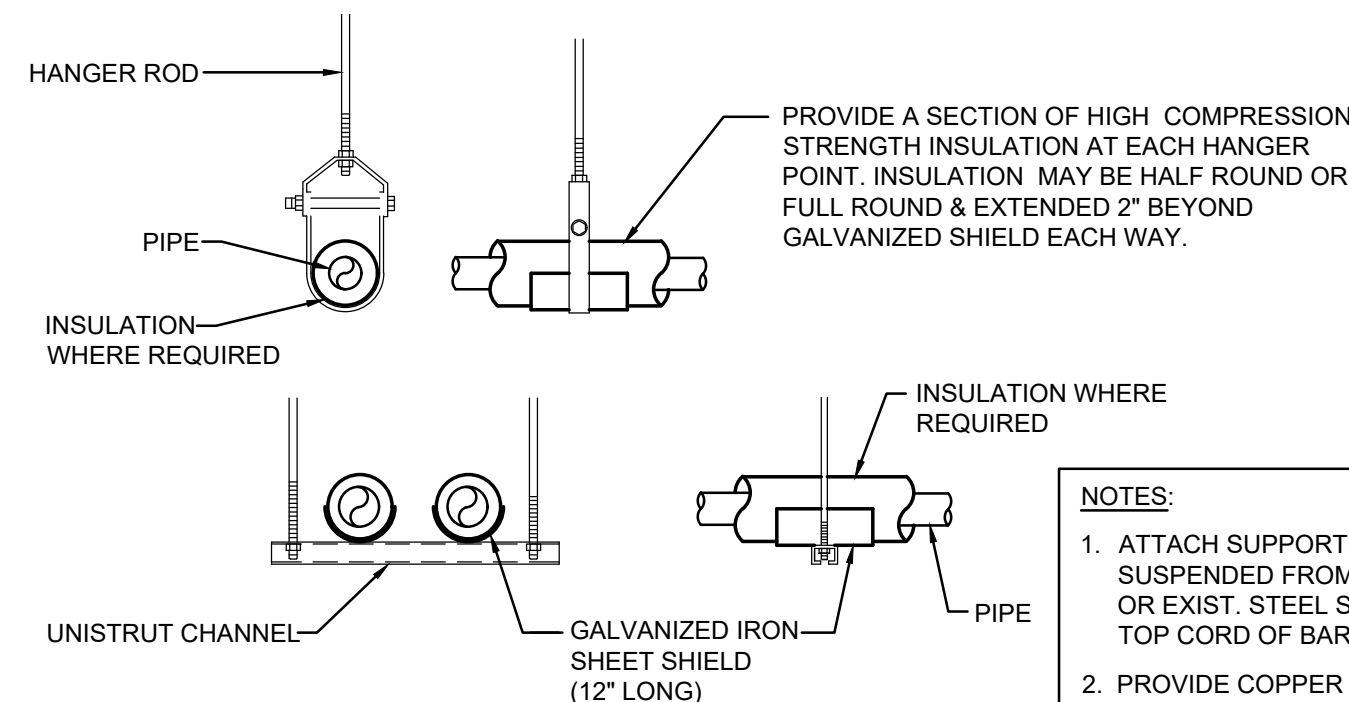
LAN ASSOCIATES
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PLUMBING SCHEDULE AND DETAILS
 TOILET ROOM RENOVATIONS
 ELIZABETH HADDON ELEMENTARY SCHOOL
 501 WEST REDMAN AVENUE
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Job No. 20277.14
 File No. 20277.14BES-P001

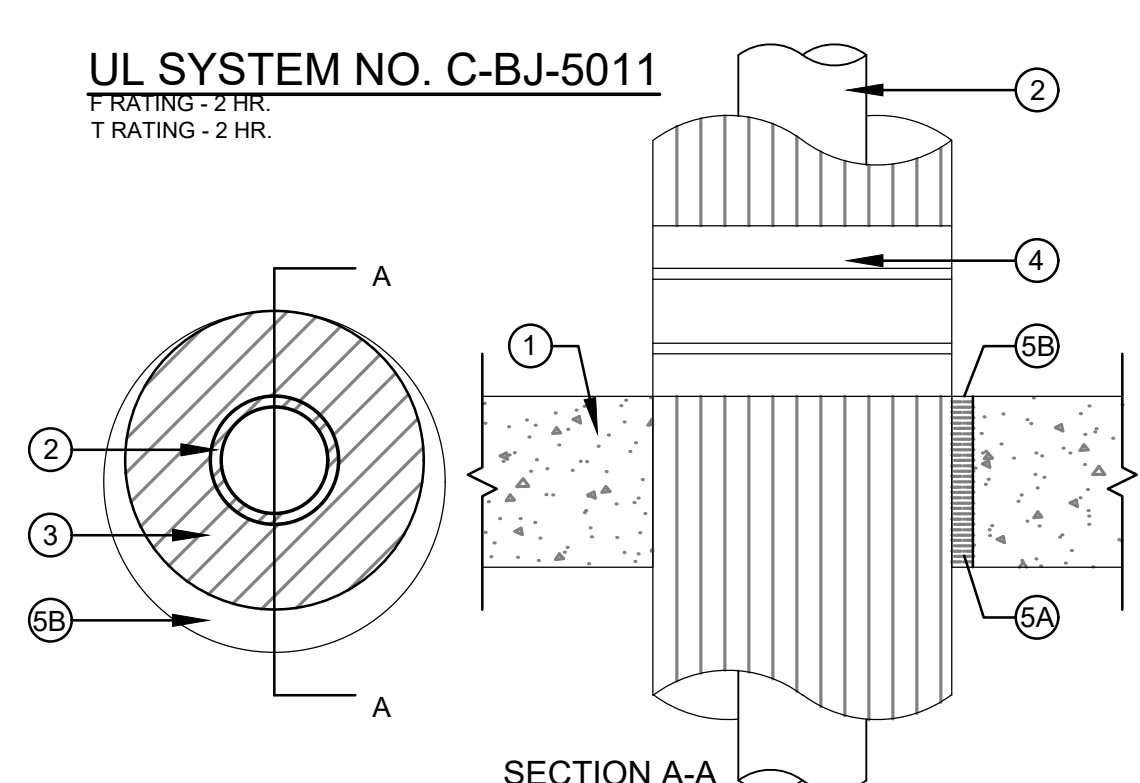
P6.01

State Project #: 1900-080-22-1000



- NOTES:**
1. ATTACH SUPPORTS FOR ALL PIPING SUSPENDED FROM EXIST. STRUCTURES OR EXIST. STEEL STRUCTURE TO THE TOP CORD OF BAR JOISTS OR BEAMS.
 2. PROVIDE COPPER CLAMP HANGER SUPPORTS FOR COPPER PIPING.
 3. ALL SUPPORTS SHALL BE GALVANIZED.

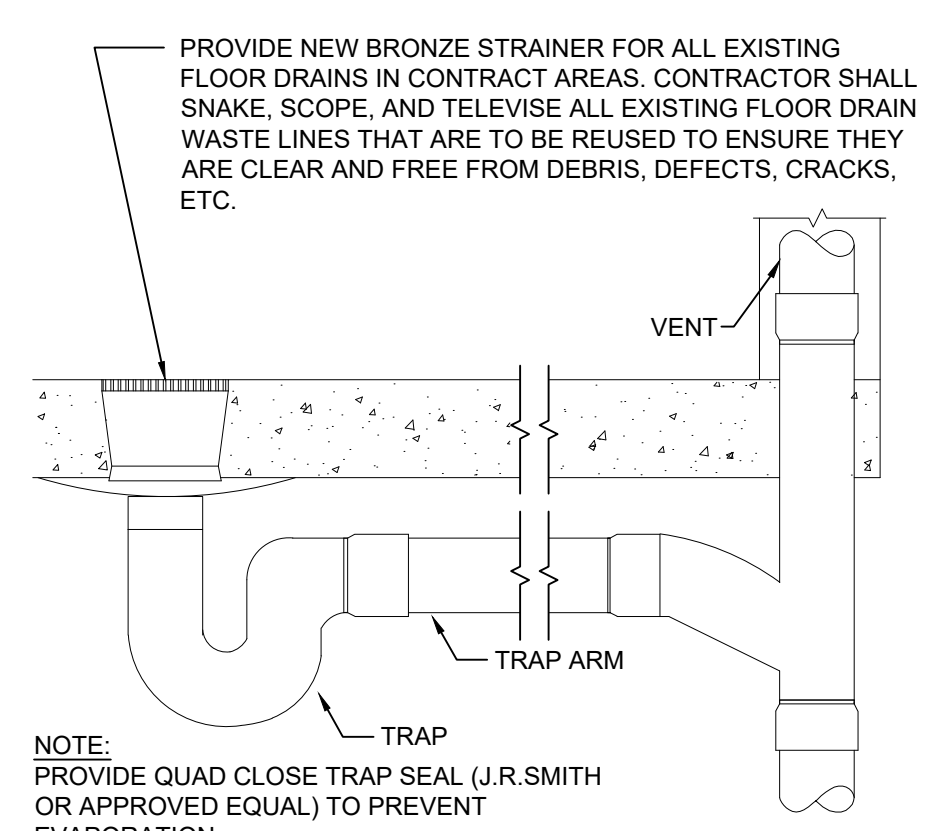
6 PIPE SUPPORT HANGERS
 NOT TO SCALE



1. Floor or Wall Assembly - Min 5-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max dia. of opening is 14 in. See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Through Penetrants - One metallic pipe or tubing to be installed either concentrically or eccentrically within the firestop system. Pipe or tubing to be rigidly supported on both sides of floor or wall assembly.
3. Pipe Covering* - Cellular Glass Insulation - Max 3 in. thick cellular glass units sized to the outside diam. of the steel pipe and supplied in nom 24 in. long half sections or nom 18 in. long segments. The annular space shall be min 0 in. (point contact) to max 2 in. Pipe insulation installed on pipe in accordance with the manufacturer's instructions. PITTSBURGH CORING CORP - FOAMGLAS
4. Metal Jacket - Min. 12 in. long jacket formed on min. 0.010 in. thick steel or aluminum sheet cut to wrap tightly around the pipe insulation with a min. 2 in. lap. Jacket secured with min. 1/2 in. wide stainless steel hose clamps or bands located within 2 in. of each end of the jacket and spaced a max. of 10 in. O.C.
 Jacket to be installed with edges abutting surface of caulk fill material (Item 5) on both surfaces of wall. Metal jacket to be used in addition to any other jacketing material which may be required to or desired on the pipe insulation.
5. Firestop System - The firestop system shall consist of the following:
 A Packaging Material - Min 5 in. thickness of min. 4 pcf mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
 B Fill, Void or Cavity Material* - Sealant - Min. 1/2 in. thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. All point contact location between penetrant and periphery of opening, a min. 1/2 in. diam. bead of fill material shall be applied at the periphery of opening/pipe covering interface on top surface of floor assembly or both surfaces of wall assembly.
 JOHNS MANVILLE INTERNATIONAL INC - Firestop
 *Bearing the UL Classification Mark

TYPICAL PIPE PENETRATION (ALL LOCATIONS)
 NOT TO SCALE

2-HOUR RATED



FLOOR DRAIN ALTERATIONS
 NOT TO SCALE

1
2
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4
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