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SED: 8/7/20 20\CADD\CF R 5

U.S. CUSTOMA THE STATE OF DELAWARE UNITS **DEPARTMENT OF TRANSPORTATION** CONSTRUCTION PLANS FOR: SMYRNA REST AREA **BATHROOM RENOVATIONS** CONTRACT NUMBER: T201680108 FEDERAL AID PROJECT NUMBER: N/A COUNTY: <u>NEW CASTLE</u> M.R. #: <u>N/A</u>

NO UTILITY RELOCATION INVOLVEMENT IS ANTICIPATED. SHOULD ANY CONFLICTS BE ENCOUNTERED DURIN CONSTRUCTION REQUIRING ADJUSTMENT AND/OR RELOCATION OF THE AGENCIES' EXISTING FACILITIES, THE NECESSARY RELOCATION WORK SHALL BE ACCOMPLISHED BY THE RESPECTIVE AGENCIES' FORCES, AS DIRECTED BY THE DISTRICT ENGINEER. ANY ADJUSTMENT AND/OR RELOCATIONS OF MUNICIPALLY OWNED FACILITIES SHALL BE DONE BY THE STATE'S CONTRACTOR IN ACCORDANCE WITH THE RESPECTIVE AGENCIES

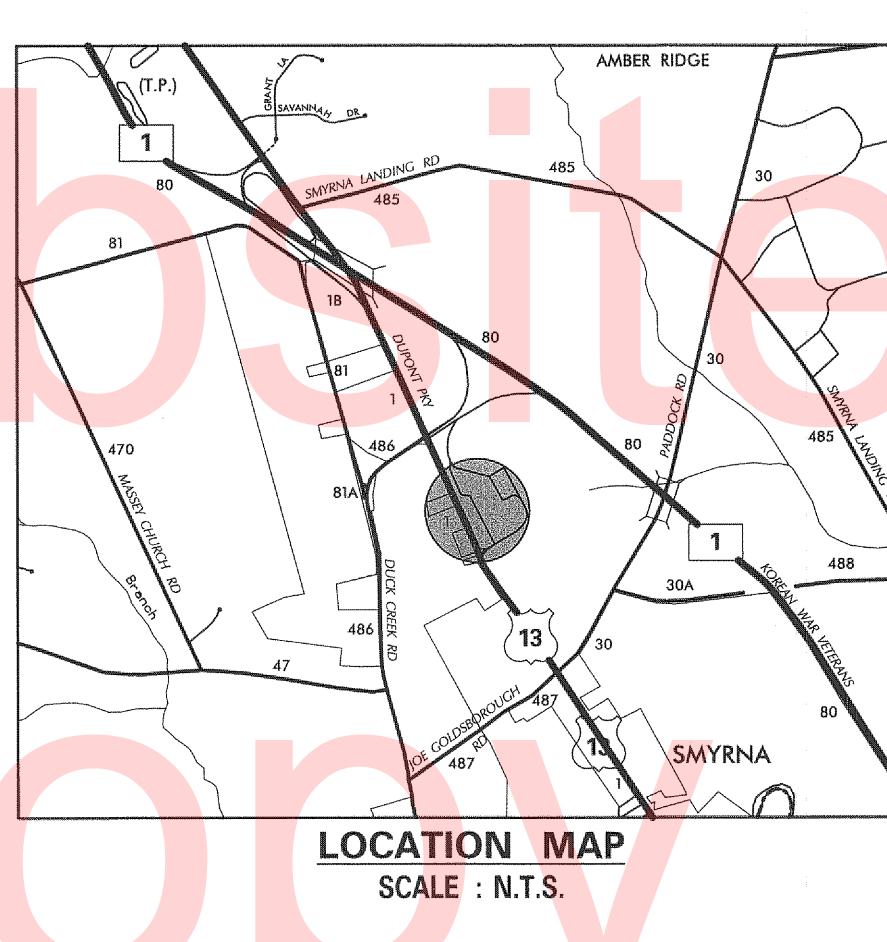
NO ENVIRONMENTAL PERMITS ARE REQUIRED FOR THIS WORK PROVIDED NO JURISDICTIONAL WETLANDS OR WATERS ARE IMPACTED. IF THERE IS ANY QUESTION AS TO WHETHER OR NOT A WATER OR WETLAND IS

3. IT IS ANTICIPATED THAT ALL WORK WILL OCCUR WITHIN DELDOT'S EXISTING RIGHT OF WAY OR EASEMENT AREAS. SHOULD THE NEED OCCUR TO TRESPASS ONTO PRIVATE PROPERTY, IT WILL BE THE

4. IT IS ANTICIPATED THAT ALL WILL OCCUR WITHIN DELDOT'S RIGHT OF WAY. SHOULD THE NEED OCCUR TO TRESPASS ONTO RAILROAD PROPERTY, INCLUDING THE HIGHWAY-RAIL CROSSING, IT WILL BE THE RESPONSIBILITY OF THE THE PROJECT MANAGER TO CONTACT THE RAILROAD CHIEF ENGINEER AND OBTAIN

5. THE PROJECT MANAGER SHALL RESPONSIBLE FOR COORDINATION WITH THE TRAFFIC SECTION RELATING TO ANY IMPACTS TO TRAFFIC SECTION FACILITIES (INCLUDING BUT NOT LIMITED TO TRAFFIC LOOPS, JUNCTION WELLS, ETC.) AT LEAST 4 WEEKS IN ADVANCE OF THE START OF THE ACTIVITY. PRIOR TO INITIATING ANY WORK ON THIS CONTRACT (OR SITES), THE PROJECT MANAGER SHALL BE RESPONSIBLE FOR PREPARING AND SUBMITTING A MAINTENANCE OF TRAFFIC PLAN FOR APPROVAL OF THE SAFETY SECTION.

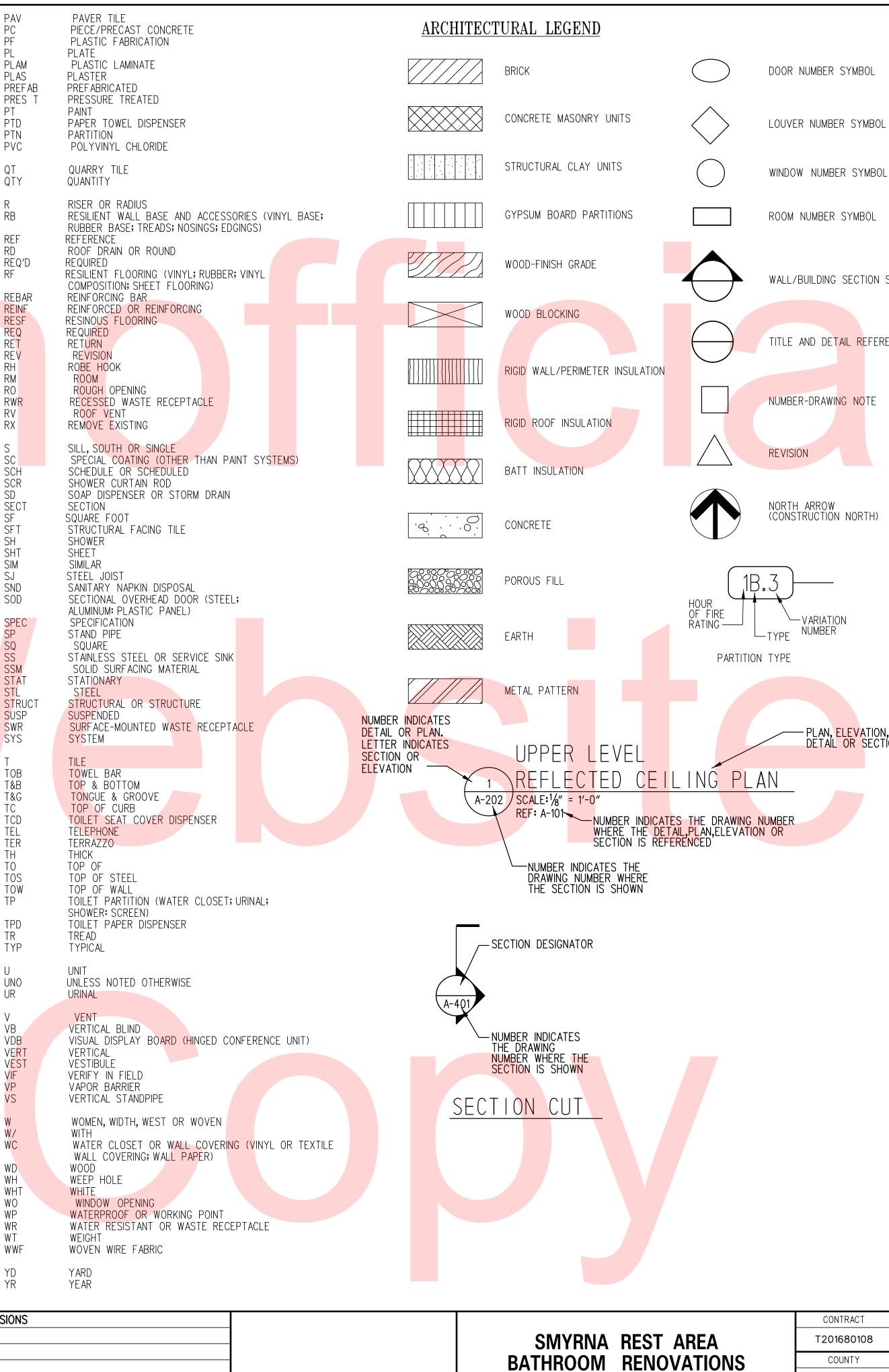
6. THE PROJECT MANAGER IS RESPONSIBLE FOR ENSURING ANY REQUIRED DOCUMENTS AND ANALYSIS AS PART OF THE ADOPTED WORK ZONE SAFETY AND MOBILITY PROCEDURES AND GUIDELINES HAS BEEN



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	ARCHITECTURAL ABBREVIATIONS	FE FEC	FIRE EXTINGUISHER ON BRACKET FIRE EXTINGUISHER CABINET	PAV PC
ABV	ABOVE	FH FIRE T	FLAT HEAD FIRE TREATED	PF PL
AC	AIR CONDITIONING (CONDITIONER)	FIN	FINISH OR FINISHED	PLAM
AD	ACCESS DOOR (OR PANEL)	FIX	FIXTURE	PLAS
AD A	AAMERICAN WITH DISABILITIES ACT	FL	FLASHING	PREFAB
AD D	ADDENDUM	FLM	FULL LENGTH MIRROR	PRES T
ADJ	ADJACENT	FLR	FLOOR	PT
AES	ABOVE EXISTING SLAB	FR	FIRE RATED	PTD
ALS AF AFF	ADOVE EXISTING SEAD ACCESS FLOOR ABOVE FINISHED FLOOR	FRC FS	FIBER-REINFORCED COATING FOLDING SHELF	PTN PVC
AHU	AIR HANDLING UNIT	FSS FT	FOLDING SHOWER SEAT FOOT OR FEET	QT
ALT	ALTERNATE	FTG	FOOTING	QTY
ALUM	ALUMINUM	FWP	FABRIC-WRAPPED PANEL (FABRICATED;	
APC APPROX	ACOUSTICAL PANEL CEILING (LAY-IN) APPROXIMATE		TACKABLE; ACOUSTICAL PANEL)	R RB
ARCH	ARCHITECTURAL	GA	GAUGE	REF
ASB	ASBESTOS	GALV	GALVANIZED	
ASP	ASPHALT	GB	GRAB BAR	RD
ATC	ACOUSTICAL TILE CEILING (CONCEALED SUSPENSION)	GEN	GENERAL	REQ'D
AWP	ACOUSTICAL WALL PANEL	GL GLM	GLASS GLASS UNIT MASONRY (GLASS BLOCK)	RF
BB BC	BULLETIN BOARD (GLASS COVERD) BOTTOM OF CURB	GMU GRD	GLASS ONT MASONICE (GLASS BEOCK) GLAZED MASONRY UNIT GROUND	REBAR REINF
BD	BOARD	GP	GYPSUM PLASTER	RESF
BEN	BENCH	GRT	GROUT	
BETW	BETWEEN	GVP	GYPSUM VENEER PLA <mark>STER</mark>	REQ
BLDG	BUILDING	GYP <mark>BD</mark>		RET
BLKG	BLOCKING	GYPBD	GYPSUM BOARD (WALL OR CEILING)	REV
BM	BEAM	GYP <mark>BS</mark>	GYPSUM BOARD SHAF <mark>T-WAL</mark> L ASSEMB <mark>LY</mark>	RH
BOT BR	BOTTOM BRICK	Н	HEAD	RM RO
BR/S	BACKER ROD AND SEALANT	HB HDW	HORIZONTAL BLIND HARDWARE	RW <mark>R</mark> RV
C	CONDUIT	HM	HOLLOW METAL	RX
C/C	CENTER TO CENTER	HOR	HORIZONTAL	
CB	CHALK BOARD	HP	HIGH POINT	S
CAB	CABINET	HR	HOUR	SC
CARP	CARPET	HT	HEIGHT	SCH
CARPT	CARPET TILE	HTR	HEATER	SCR
CEM	CEMENT	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	SD
CER	CERAMIC	HW	HOT WATER	SECT
CI CG	CAST IRON CORNER GUARD	ID	INSIDE DIAMETER	SF SF T
CH	CEILING HEIGHT	IN	INCH	SH
CJ	CONTROL JOINT	INSUL	INSULATION	SHT
ĊL	CENTERLINE	INT	INTERIOR	SIM
CLOS	CLOSET	INV	INVERT	SJ
CLG CLR	CEILING CLEAR	J	JAMB	SND SOD
CMP	CORRUGATED METAL PIPE	JC	JANITOR'S CLOSET	SPEC
CMU	CONCRETE MASONRY UNIT	JT	JOINT	
CO COL	CLEAR OPENING COLUMN	KIT	KITCHEN	SP
COMP CONC	COMPACTED	L	LINTEL	SQ SS SSM
CONSTR	CONCRETE	LAB	LABORATORY	STAT
	CONSTRUCTION	LAV	LAVATORY	STL
CONT		LG	LONG	STRUCT
CONV		LIN	LINOLEUM FLOOR COVERING	SUSP
CR	COLD ROLLED	LLV	LONG LEG VERTICAL	SWR
CSK	COUNTERSUNK	LOC	LOCATION	
CSPE	CHLOROSULFONATED POLYETHYLENE ELASTOMER	LOCK	LOCKER	T
CT	CERAMIC TILE	LP	LOW POINT	
CTR	COUNTER	LT	LIGHT	TOB
CW	COLD WATER	LTG	LIGHTING	T&B
CX	CONNECT TO EXISTING	LV	LOUVER	T&G TC
D	DOUBLE	M	MIRROR OR MEN	TCD
DEG	DEGREE	MACH	MACHINE	TEL
DEMO	DEMOLITION/DEMOLISH	MAS	MASONRY	TER
DET	DETAIL	MATL	MATERIAL	TH
DF	DRINKING FOUNTAIN	MAX	MAXIMUM	ТО
DIA	DIAMETER	MC	MEDICINE CABINET	
DIR	DIRECTORY	MET	METAL	TOS
DN	DOWN	MDF	MEDIUM DENSITY FIBERBOARD	TOW
DO	DOOR OPENING	MFB	MINERAL FIBER BLANKET	TP
DR	DOOR	MECH	MECHANICAL	
DS	DOWNSPOUT	MET	METAL	TPD
DWG	DRAWING	MFR	MANUFACTURER	TR
E	EAST	MH MIN	MANHOLE MINIMUM	ΤΥΡ
EA	EACH	MISC	MISCELLANEOUS	U
EF	EACH FACE	MK	MARK	UNO
EFS	EXTERIOR FINISH SYSTEM	MO	MASONRY OPENING	UR
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	MP	METAL PANEL	
EJ	EXPANSION JOINT	MR	MOP RACK	V
EL	ELEVATION	MTD	MOUNTED	VB
ELEC ELEV	ELECTRIC OR ELECTRICAL ELEVATOR	MTD	METAL	VDB VERT
EM	ENTRY MAT	N	NORTH	VEST
EP	ETHYLENE PROPYLENE-BASED (SINGLE PLY ROOFING)	NA	NOT APPLICABLE	VIF
EPB	ELECTRIC PANEL BOX	ND	SANITARY NAPKIN DISPENSER	VP
EPDM	ETHYLENE-PROPYLENE-DIENE MEMBRANE	NIC	NOT IN CONTRACT	VS
EPS	EXPANDED POLYSTYRENE	NO	NUMBER	W
EPX	EPOXY	NOM	NOMINAL	
EQ EQUIP	EQUAL EQUIPMENT	NTS	NOT TO SCALE	W/ WC
EST	ESTIMATE	OA	OVERALL	WD
EUH	ELECTRIC UNIT HEATER	OC	ON CENTER	
EW	EACH WAY	OD	OUTSIDE DIAMETER	WH
EWC	ELECTRIC WATER COOLER	OFF	OFFICE	WHT
EWCA	ELECTRIC WATER COOLER - ACCESSIBLE	OHD	OVERHEAD COILING DOOR	WO
EXIST	EXISTING	OHG	OVERHEAD COILING GRILLE	WP
EXP	EXPANSION OR EXPOSED	OP	OPERABLE PANEL PARTITION (HUNG	WR
EXT	EXTERIOR		FROM OVERHEAD TRACK)	WT
F	FILLER	OPNG OPP	OPENING OPPOSITE	WWF
F FC FD	FAN COIL UNIT	OZ	OUNCE	YD YR
FD FDR	FLOOR DRAIN OR FIRE DAMPER FOLDING DOOR (WOOD OR FABRIC)			
			ADDENDUMS / R	REVISIONS

DELAWARE **DEPARTMENT OF TRANSPORTATION**  ADDENDUMS / REVISIONS



WALL/BUILDING SECTION SYMBOL

TITLE AND DETAIL REFERENCE SYMBOL

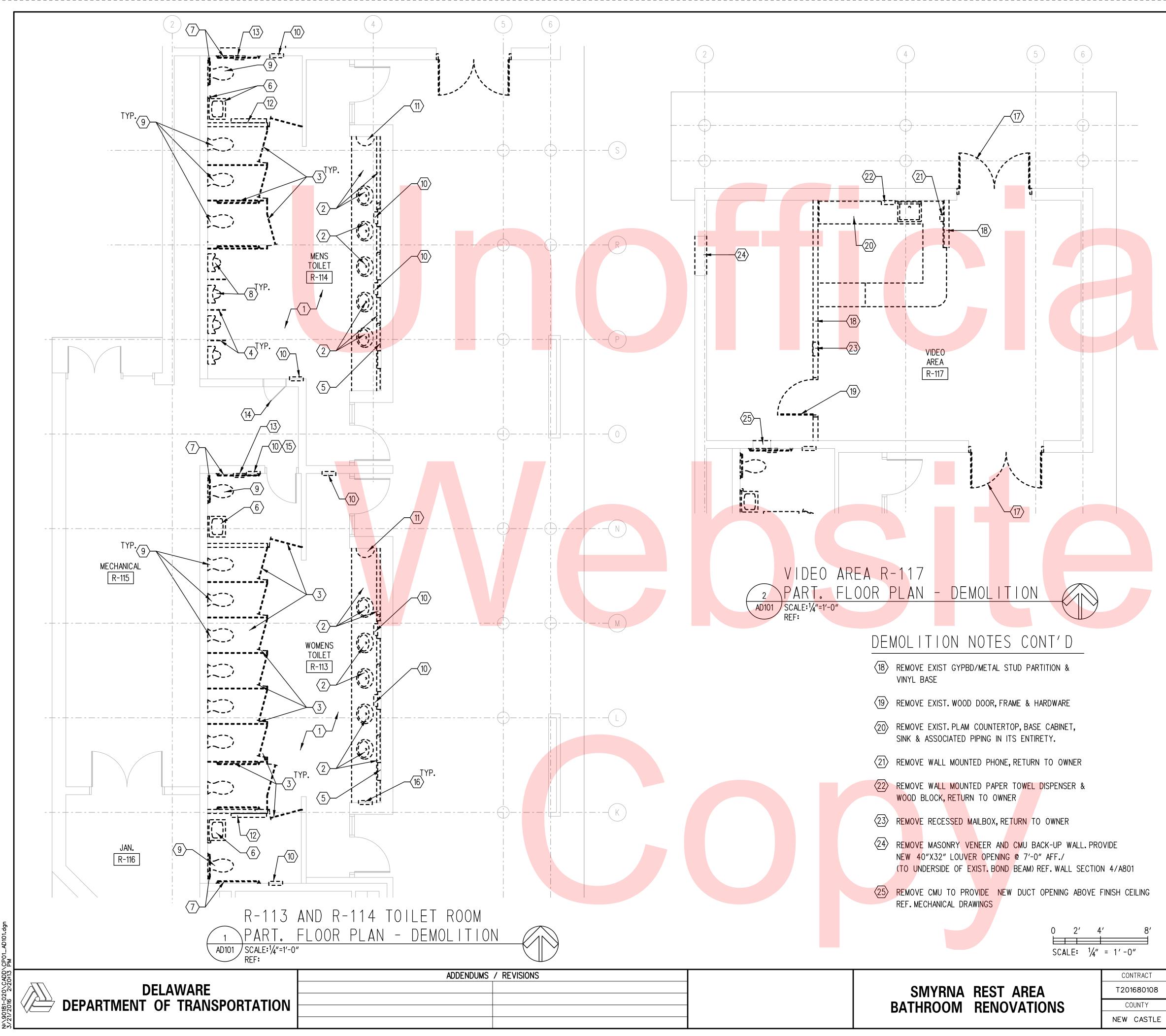
- PLAN, ELEVATION, DETAIL OR SECTION

CONTRACT BRIDGE NO. T201680108 DESIGNED BY: KM COUNTY CHECKED BY: MH NEW CASTLE

# NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR THIS PROJECT.

ARCHITECTURAL **ABBREVIATIONS** AND LEGEND

A-001 SHEET NO. 2 OTAL SHTS. 29



_____

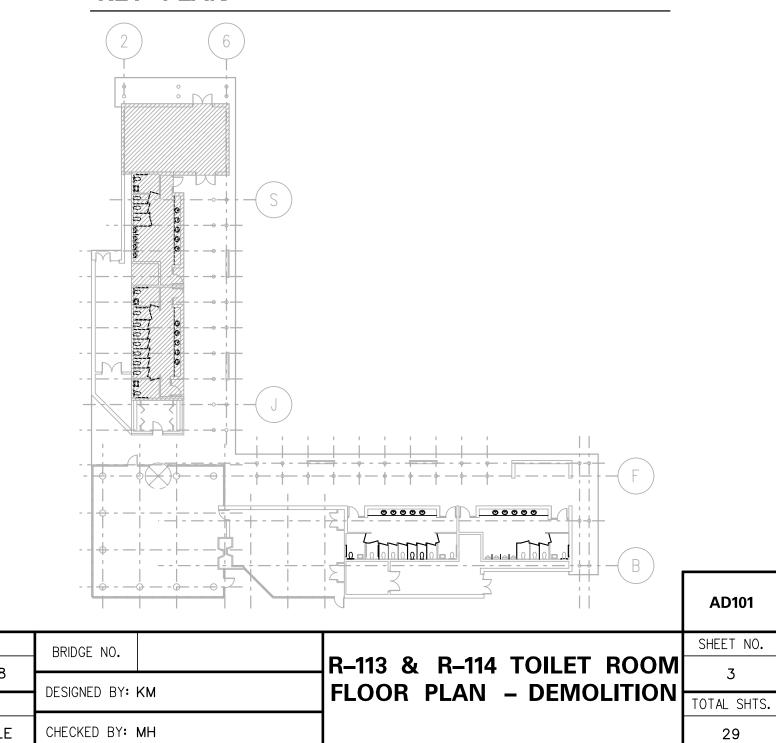
## GENERAL NOTES

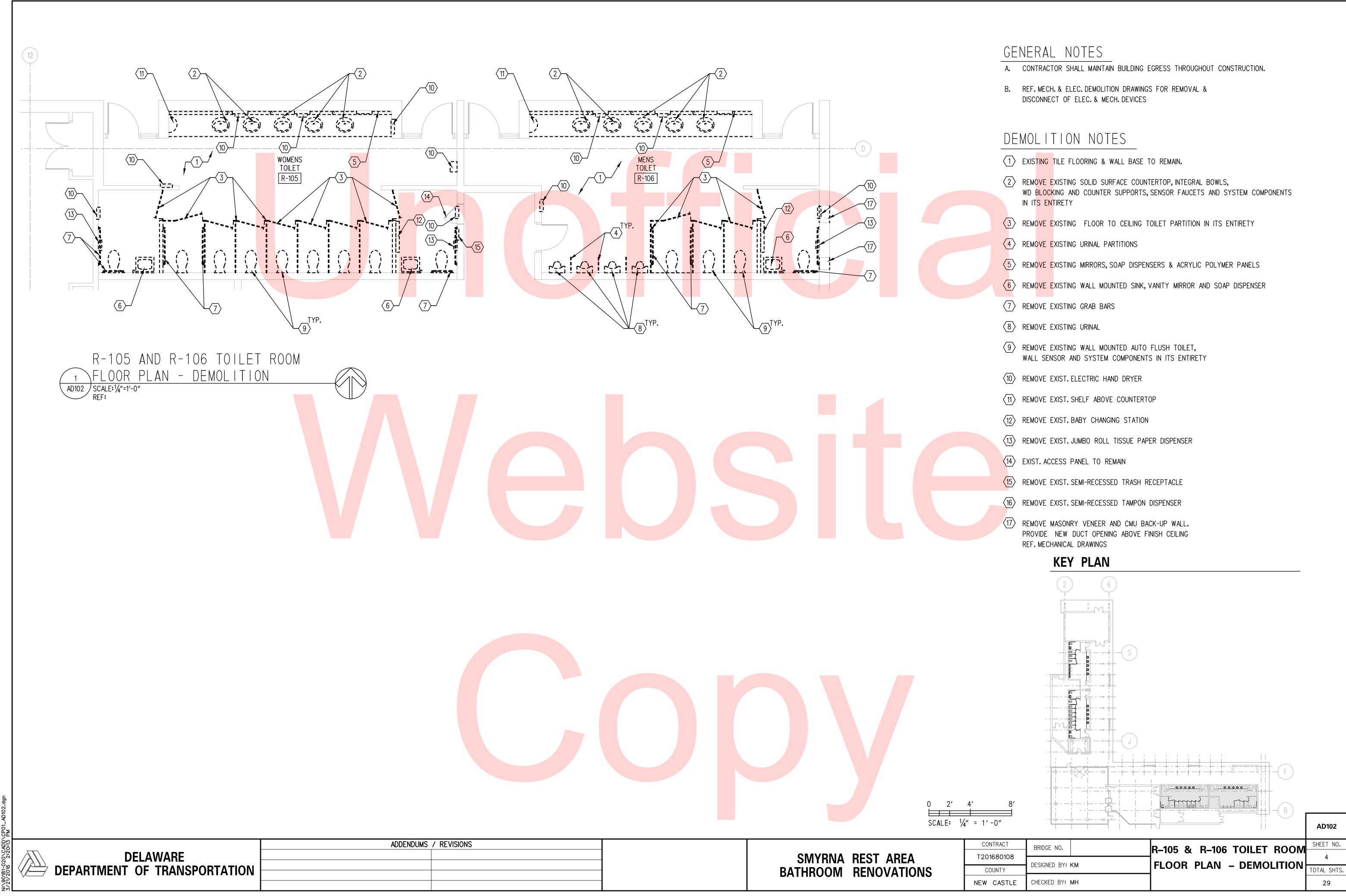
- A. CONTRACTOR SHALL MAINTAIN BUILDING EGRESS THROUGHOUT CONSTRUCTION.
- B. REF. MECH. & ELEC. DEMOLITION DRAWINGS FOR REMOVAL & DISCONNECT OF ELEC. & MECH. DEVICES
- B. REF. PLUMBING DRAWINGS FOR NEW PIPING ROUGH-IN LOCATIONS FROM CMU PIPE CHASE TO RESTROOM

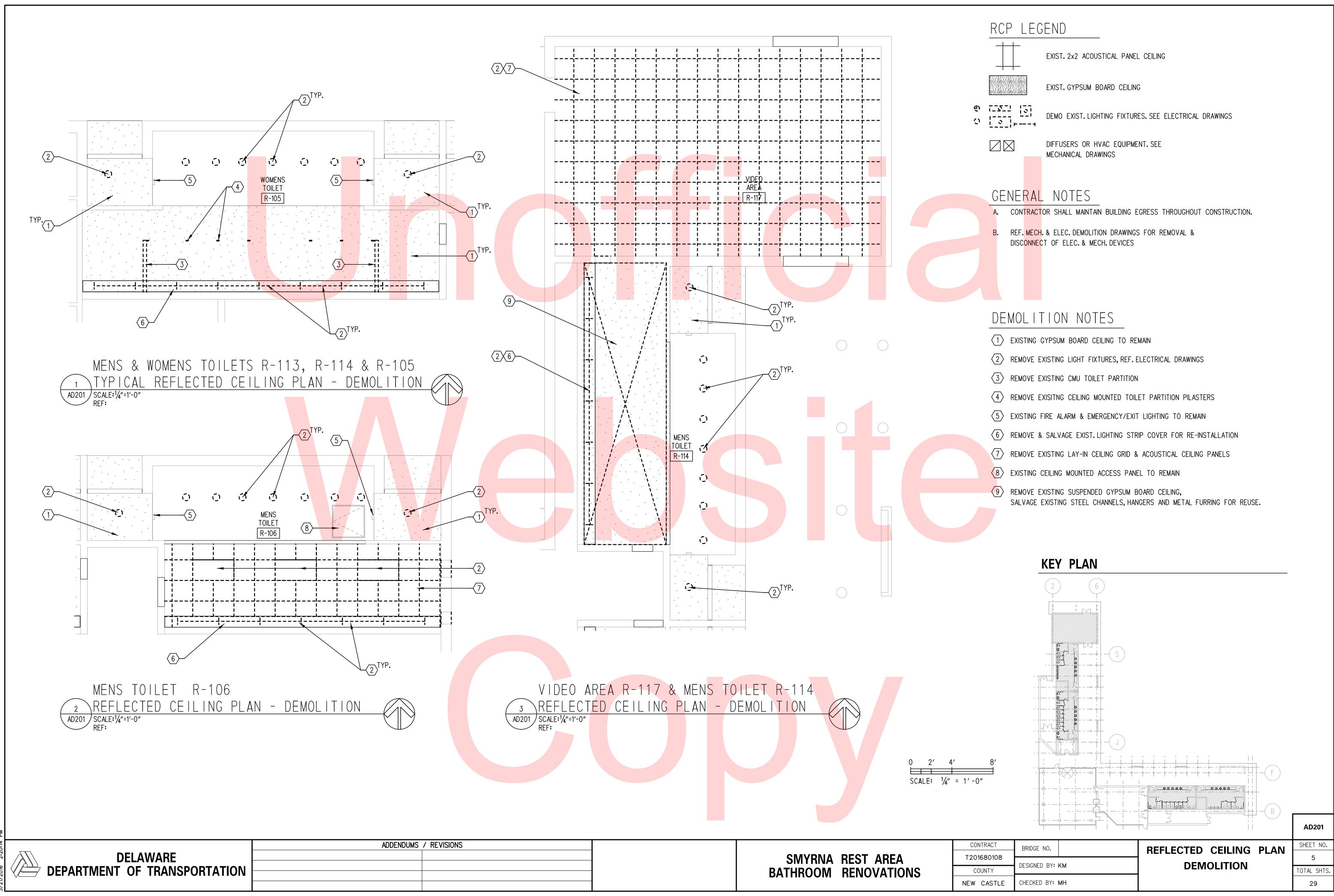
## DEMOLITION NOTES

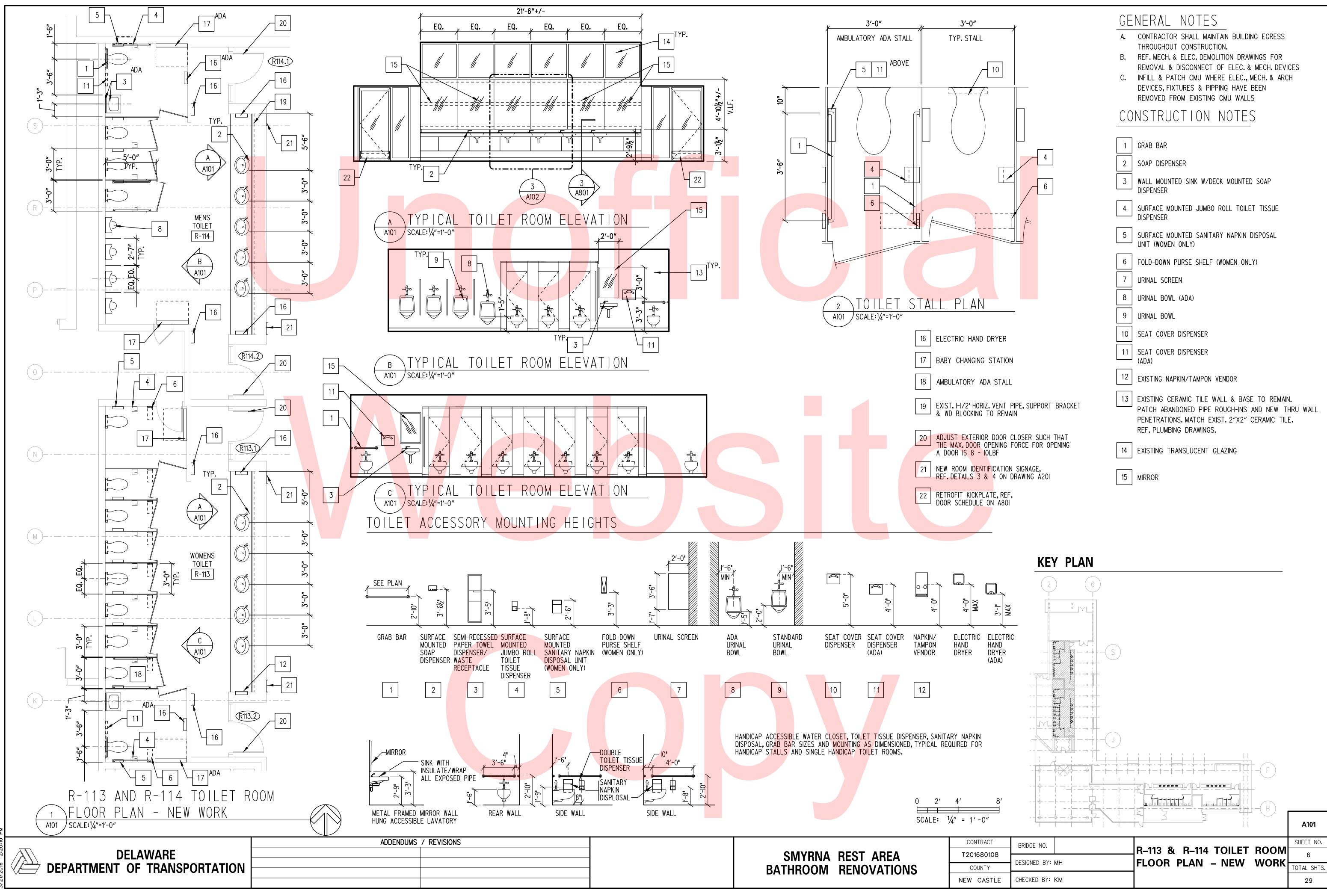
- (1) EXISTING TILE FLOORING & WALL BASE TO REMAIN.
- 2 REMOVE EXISTING SOLID SURFACE COUNTERTOP, INTEGRAL BOWLS, BACKSPLASH, COUNTER SUPPORTS, SENSOR FAUCETS AND SYSTEM COMPONENTS IN ITS ENTIRETY. EXIST. 1-1/2" HORIZ. VENT PIPE, SUPPORT BRACKET & WD BLOCKING TO REMAIN, REF. PLUMBING DEMOLITION DRAWINGS.
- 3 REMOVE EXISTING FLOOR TO CEILING TOILET PARTITION IN ITS ENTIRETY
- 4 REMOVE EXISTING URINAL PARTITIONS
- 5 REMOVE EXISTING MIRRORS, SOAP DISPENSERS & ACRYLIC POLYMER PANELS
- 6 REMOVE EXISTING WALL MOUNTED SINK, VANITY MIRROR AND SOAP DISPENSER
- REMOVE EXISTING GRAB BARS
- (8) REMOVE EXISTING URINAL
- (9) REMOVE EXISTING WALL MOUNTED AUTO FLUSH TOILET, WALL SENSOR AND SYSTEM COMPONENTS IN ITS ENTIRETY
- (10) REMOVE EXIST. ELECTRIC HAND DRYER
- (11) REMOVE EXIST. SHELF ABOVE COUNTERTOP
- $\langle 12 \rangle$  REMOVE EXIST. BABY CHANGING STATION
- (13) REMOVE EXIST. JUMBO ROLL TISSUE PAPER DISPENSER
- (14) EXIST. ACCESS PANEL TO REMAIN
- (15) REMOVE EXIST. SEMI-RECESSED TRASH RECEPTACLE
- (16) REMOVE EXIST. SEMI-RECESSED TAMPON DISPENSER
- (17) REMOVE EXIST. EXTERIOR ALUM. STOREFRONT FRAME, DOOR & HARDWARE

## **KEY PLAN**



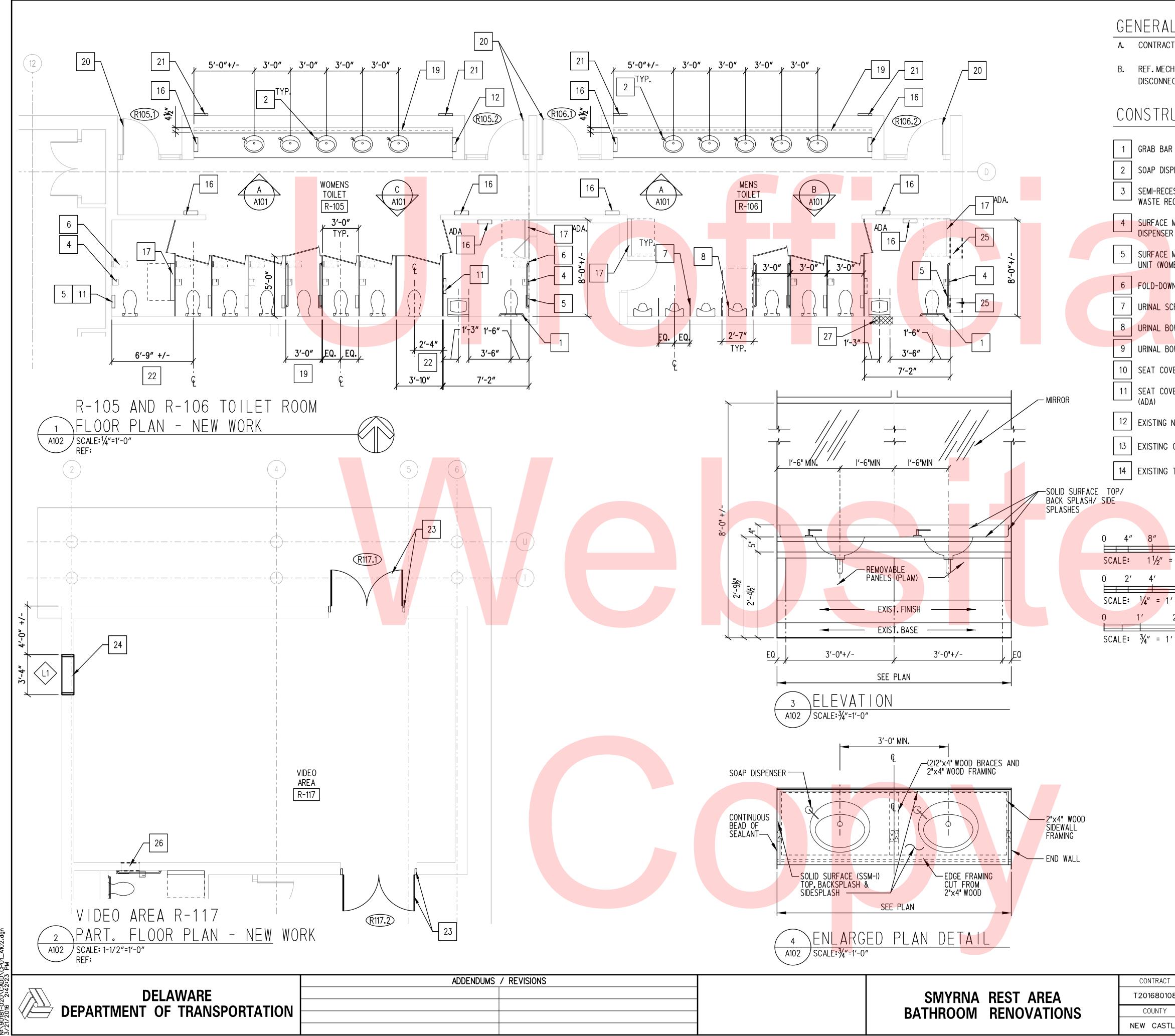








2-0" STALL 10 	<ul> <li>GENERAL NOTES</li> <li>A. CONTRACTOR SHALL MAINTAIN BUILDING EGRESS THROUGHOUT CONSTRUCTION.</li> <li>B. REF. MECH. &amp; ELEC. DEMOLITION DRAWINGS FOR REMOVAL &amp; DISCONNECT OF ELEC. &amp; MECH. DEVICES</li> <li>C. INFILL &amp; PATCH CMU WHERE ELEC., MECH. &amp; ARCH DEVICES, FIXTURES &amp; PIPPING HAVE BEEN REMOVED FROM EXISTING CMU WALLS</li> <li>CONSTRUCTION NOTES</li> </ul>
	1       GRAB BAR         2       SOAP DISPENSER         3       WALL MOUNTED SINK W/DECK MOUNTED SOAP DISPENSER
	4 SURFACE MOUNTED JUMBO ROLL TOILET TISSUE DISPENSER 5 SURFACE MOUNTED SANITARY NAPKIN DISPOSAL UNIT (WOMEN ONLY)
	<ul> <li>6 FOLD-DOWN PURSE SHELF (WOMEN ONLY)</li> <li>7 URINAL SCREEN</li> <li>8 URINAL BOWL (ADA)</li> </ul>
HAND DRYER	9 URINAL BOWL 10 SEAT COVER DISPENSER 11 SEAT COVER DISPENSER
ANGING STATION DRY ADA STALL	(ADA) 12 EXISTING NAPKIN/TAMPON VENDOR
2"HORIZ.VENT PIPE, SUPPORT BRACKET OCKING TO REMAIN	13 EXISTING CERAMIC TILE WALL & BASE TO REMAIN. PATCH ABANDONED PIPE ROUGH-INS AND NEW THRU WALL PENETRATIONS. MATCH EXIST. 2"X2" CERAMIC TILE. REF. PLUMBING DRAWINGS.
XTERIOR DOOR CLOSER SUCH THAT DOOR OPENING FORCE FOR OPENING 5 8 - IOLBF	14 EXISTING TRANSLUCENT GLAZING
I IDENTIFICATION SIGNAGE, ILS 3 & 4 ON DRAWING A201	15 MIRROR
KICKPLATE, REF.	



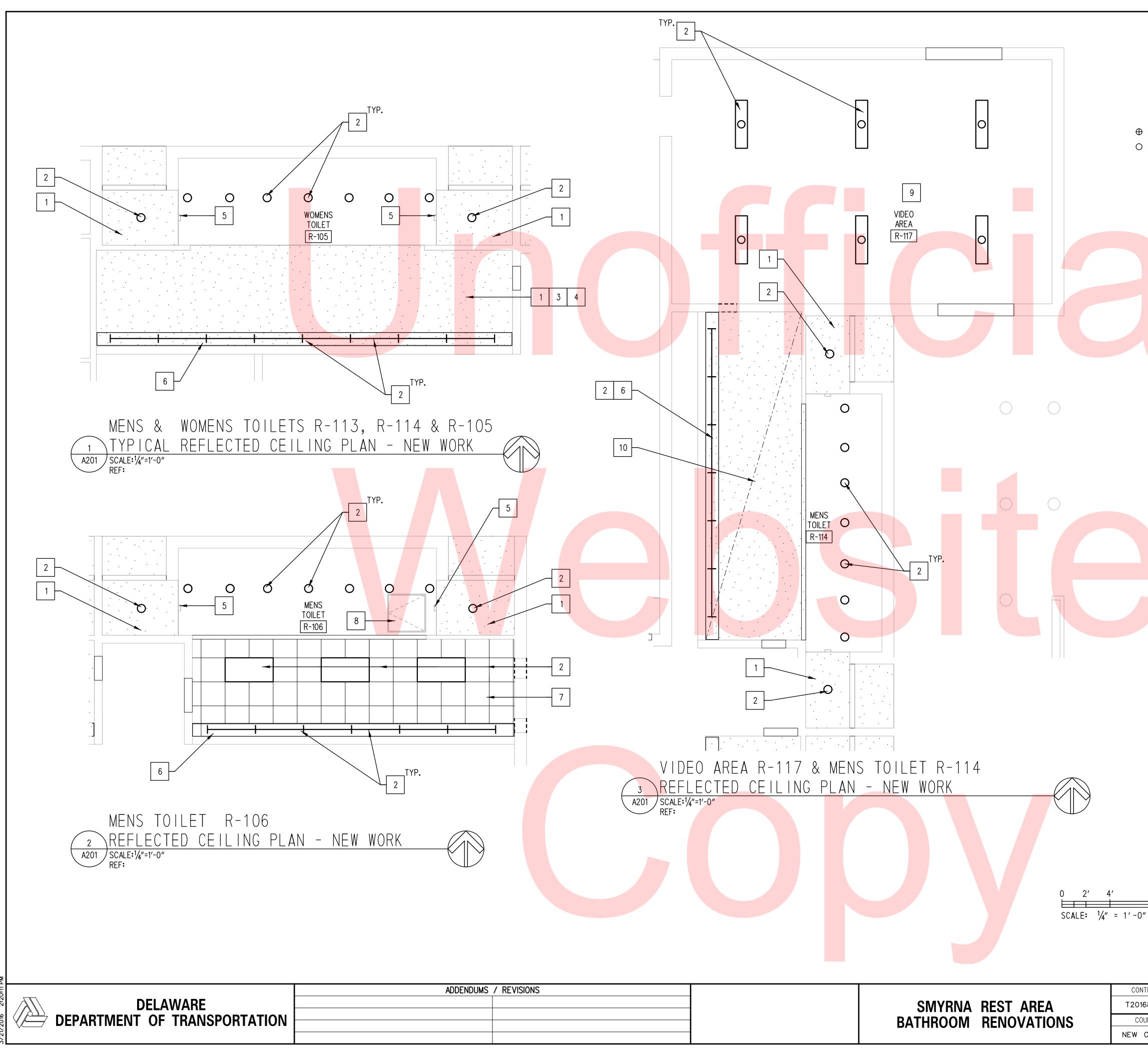
# GENERAL NOTES

A. CONTRACTOR SHALL MAINTAIN BUILDING EGRESS THROUGHOUT CONSTRUCTION.

B. REF. MECH. & ELEC. DEMOLITION DRAWINGS FOR REMOVAL & DISCONNECT OF ELEC. & MECH. DEVICES

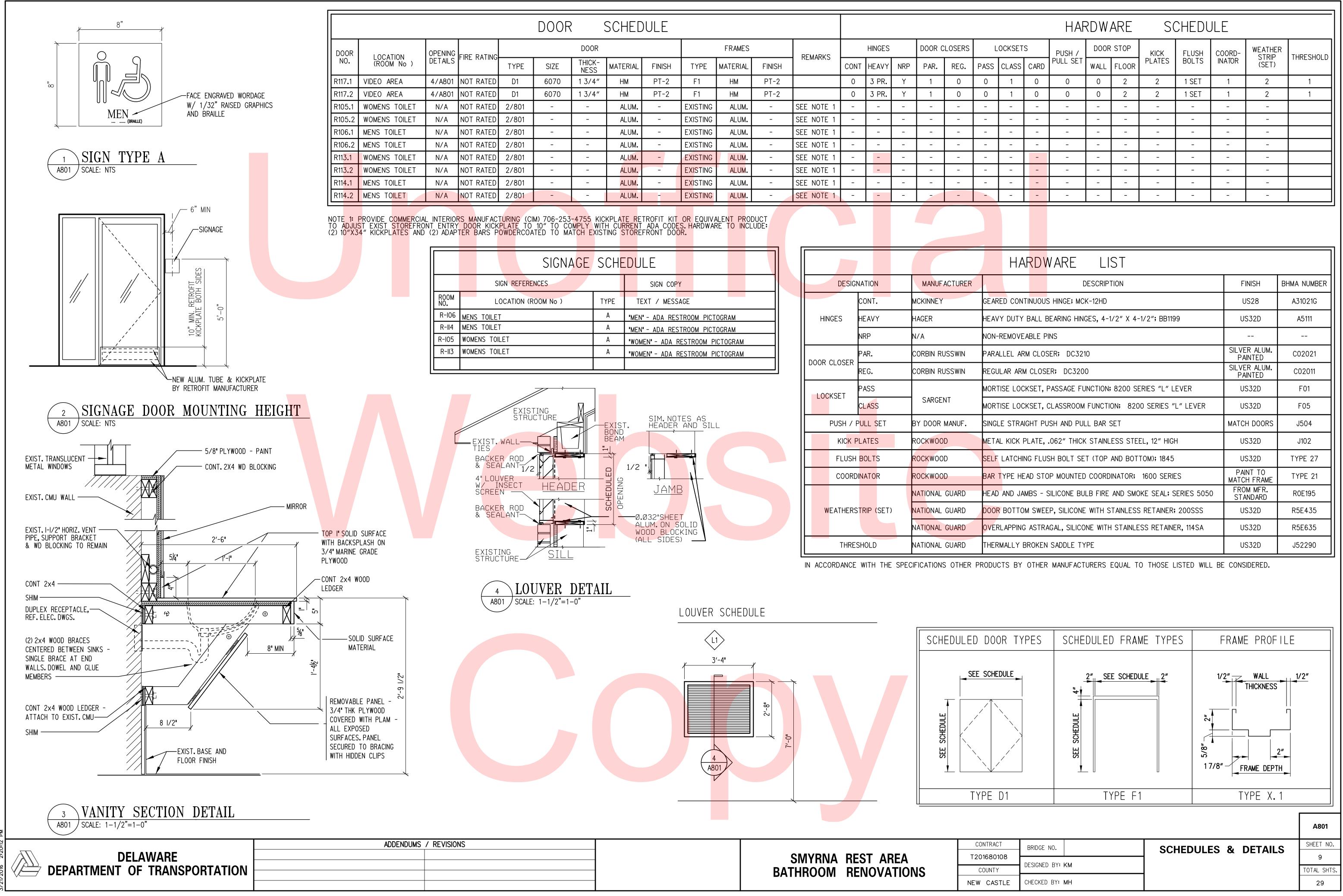
## CONSTRUCTION NOTES

RAB BAR	15 MIRROR
IOAP DISPENSER	15 MIRROR
EMI-RECESSED PAPER TOWEL DISPENSER/	16 ELECTRIC HAND DRYER
URFACE MOUNTED JUMBO ROLL TOILET TISSU	
URFACE MOUNTED SANITARY NAPKIN DISPOSAL	18 AMBULATORY ADA STALL 
OLD-DOWN PURSE SHELF (WOMEN ONLY)	PIPE, SUPPORT BRACKET & WD BLOCKING TO REMAIN
IRINAL SCREEN	20 ADJUST EXTERIOR DOOR CLOSER SUCH THAT THE MAX. DOOR OPENING FORCE FOR OPENING
IRINAL BOWL (ADA)	A DOOR IS 8 - IOLBF
IRINAL BOWL	21 ROOM IDENTIFICATION SIGNAGE, REF. DETAILS 1 & 2 ON DRAWING A801
EAT COVER DISPENSER	
EAT COVER DISPENSER ADA)	22 V.I.F EXIST. SANITARY LINE LOCATION W/ NEW TOILET CARRIER DIMENSIONS.
XISTING NAPKIN/TAMPON VENDOR	23 HM DOOR AND FRAME, REF. DOOR SCHEDULE
XISTING CERAMIC TILE WALL	24 METAL LOUVER, REF. WALL SECTION 4/A801 & COORDINATE WITH MECHANICAL DRAWINGS
XISTING TRANSLUCENT GLAZING	25 PROVIDE 5"x3.5"x5/I6" STL ANGLE LINTEL ABOVE THRU WALL DUCT OPENING, ATTACH LINTEL TO CMU BACK-UP WALL.EXTEND LINTEL 8" MIN. ON BOTH SIDES OF OPENING. REF. MECH DWGS FOR DUCT SIZE (INSTALL DUCT 9'-0" MIN. A.F.F) PROVIDE WEATHER-TIGHT SEAL
8" 16"	26 PROVIDE CONC. LINTEL ABOVE THRU WALL DUCT OPENING. EXTEND LINTEL 8" MIN. ON EITHER SIDE OF OPENING. REF. MECH DWGS FOR
$1\frac{1}{2}'' = 1' - 0''$ 4' 8'	DUCT SIZE & LOCATION
4'' = 1' - 0'' 4'' = 2' - 3'	27 IN-FILL WALL OPENING WITH 8" CMU / MATCH EXIST. CONSTRUCTION REF. MECH DEMO DRAWING MDIO2 FOR DUCT SIZE
3/4" = 1'-0" KEY PLAN	
	- (J)
CONTRACT BRIDGE NO.	D 105 8 D 106 TOU ET DOOM SHEET NO.
DESIGNED BY: KM	$\mathbf{R} = 105 & \mathbf{R} = 106 \text{ TOILET ROOM}$
COUNTY	FLOOR PLAN – NEW WORK
V CASTLE CHECKED BY: MH	29



	RCP LEG	SEND	
		EXIST. 2x2 ACOUSTICAL PANEL CEILING	
		EXIST. GYPSUM BOARD CEILING	
•		NEW LIGHTING FIXTURES. SEE ELECTRICAL DRAWINGS	
		DIFFUSERS OR HVAC EQUIPMENT. SEE MECHANICAL DRAWINGS	
	GENERAL		
	A. CONTRACT	OR SHALL MAINTAIN BUILDING EGRESS THROUGHOUT CONSTRUCTION.	
		. & ELEC. DEMOLITION DRAWINGS FOR REMOVAL & CT OF ELEC. & MECH. DEVICES	
		OR TO REPLACE/REPAIR EXISTING WALL, FLOOR & CEILING DAMAGED DURING CONSTRUCTION	
	CONSTRU	CTION NOTES	
	1 EXISTING	GYPSUM BOARD CEILING - PAINT EGGSHELL WHITE	
	2 NEW LIGH	T FIXTURES, REF. ELECTRICAL DRAWINGS	
	1.51	ISTING GYPSUM BOARD CEILING/SOFFIT AT DEMOLISHED CMU RTITION - PAINT EGGSHELL WHITE	
	4	ISTING GYPSUM BOARD CEILING/SOFFIT AT DEMOLISHED FLOOR TO CEILING RTITIONS UPON REMOVAL OF CEILING ANCHORED PILASTERS	
	5 EXISTING F	FIRE ALARM & EMERGENCY/EXIT LIGHTING TO REMAIN	
	6 REINSTALL	SALVAGED EXIST. LIGHTING STRIP COVER	
	7 INSTALL N	EW ACOUSTICAL PANEL CEILING OVER EXISTING LAY-IN CEILING GRID	
	8 EXISTING (	CEILING MOUNTED ACCESS PANEL TO REMAIN	
	9 EXPOSED	TO STRUCTURE ABOVE	
		PENDED GYPSUM BOARD CEILING - PAINT EGGSHELL WHITE L SALVAGED 1-1/2" STL CHANNELS, HANGERS & 7/8" METAL FURRING @ 16" O.C.	
		KEY PLAN	
	-	2 6	
	- T		
	8′ ==		
"			
			A201

CONTRACT	BRIDGE NO.	REFLECTED CEILING PLAN	SHEET NO.
T201680108			8
COUNTY	DESIGNED BY: KM	NEW WORK	TOTAL SHTS
NEW CASTLE	CHECKED BY: MH		29



	DOOR SCHEDULE																HAF	RDW,	ARE	S(	CHEDL	JLE				
		DOOR				FRAMES				HINGES		DOOR C	LOSERS	L	.OCKSET	S	PUSH /	DOOR	STOP	KICK	FLUSH	COORD-	WEATHER			
	RE RATING	TYPE	SIZE	THICK- NESS	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	REMARKS	CONT	HEAVY	NRP	PAR.	REG.	PASS	CLASS	CARD	PULL SET	WALL	FLOOR	PLATES	BOLTS	INATOR	STRIP (SET)	THRESHOLD
N	OT RATED	D1	6070	1 3/4″	НМ	PT-2	F1	НМ	PT-2		0	3 PR.	Y	1	0	0	1	0	0	0	2	2	1 SET	1	2	1
N	OT RATED	D1	6070	1 3/4″	НМ	PT-2	F1	НМ	PT-2		0	3 PR.	Y	1	0	0	1	0	0	0	2	2	1 SET	1	2	1
N	OT RATED	2/801	-	-	ALUM.	-	EXISTING	ALUM.	-	SEE NOTE 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
N	OT RATED	2/801	-	-	ALUM.	-	EXISTING	ALUM.	-	SEE NOTE 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
N	OT RATED	2/801	_	-	ALUM.	-	EXISTING	ALUM.	-	SEE NOTE 1	-	-	-	-	-	-	-	-	-	-	-	-	_	_	-	
N	OT RATED	2/801	-	-	ALUM.	-	EXISTING	ALUM.	-	SEE NOTE 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
N	OT RATED	2/801	_	-	ALUM.	-	EXISTING	ALUM.	-	SEE NOTE 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
N	OT RATED	2/801	_	-	ALUM.	-	EXISTING	ALUM.	-	SEE NOTE 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
N	OT RATED	2/801	-	-	ALUM.	-	EXISTING	ALUM.	_	SEE NOTE 1	-	-	_	-	-	-	-	-	_	-	-	-	-	-	-	
N	OT RATED	2/801	-	-	ALUM.	-	EXISTING	ALUM.	-	SEE NOTE 1	-	-	_	-	-	-	-	-	-	_	-	-	-	-	-	

SIGNAGE	SCHE	DULE						
SIGN REFERENCES		SIGN COPY						
LOCATION (ROOM No )	TYPE	TEXT / MESSAGE						
MENS TOILET	А	"MEN" - ADA RESTROOM PICTOGRAM						
MENS TOILET	А	"MEN" - ADA RESTROOM PICTOGRAM						
WOMENS TOILET	А	"WOMEN" - ADA RESTROOM PICTOGRAM						
WOMENS TOILET	А	"WOMEN" - ADA RESTROOM PICTOGRAM						

				HARD	VARE LIST		
DESIG	NATIO <mark>N</mark>	MANUFACTURER			DESCRIPTION	FINISH	BHMA NUMBER
	CONT.	MCKINNEY	GEAREI	D CONTINUOU	S HINGE; MCK-12HD	US28	A31021G
HINGES	HEAVY	HAGER	HEAVY	DUTY BALL I	BEARING HINGES, 4-1/2" X 4-1/2"; BB1199	US32D	A5111
	NRP	N/A	NON-RE	EMOVEABLE F	PINS		
	PAR.	CORBIN RUSSWIN	PARALL	LEL ARM CLO	SER; DC3210	SILVER ALUM. PAINTED	C02021
DOOR CLOSER	REG.	CORBIN RUSSWIN	REGULA	AR ARM CLOS	SILVER ALUM. PAINTED	C02011	
LOCKSET	PASS		MORTIS	SE LOCKSET,	US32D	F01	
	CLASS	SARGENT	MORTIS	SE LOCKSET,	US32D	F05	
PUSH / I	P <mark>ULL S</mark> ET	BY DOOR MANUF.	SINGLE	STRAIGHT P	MATCH DOORS	J504	
KICK F	PLATES	ROCKWOOD	METAL	KICK PLATE,	US32D	J102	
FLUSH	BOLTS	ROCKWOOD	SELF L	ATCHING FLU	SH BOLT SET (TOP AND BOTTOM); 1845	US32D	TYPE 27
COORE	N <mark>NATO</mark> R	ROCKWOOD	BAR TY	PE HEAD ST	OP MOUNTED COORDINATOR; 1600 SERIES	PAINT TO MATCH FRAME	TYPE 21
		NATIONAL GUARD	HEAD A	AND JAMBS -	SILICONE BULB FIRE AND SMOKE SEAL; SERIES 5050	FROM MFR. STANDARD	R0E195
WEATHERS	S <mark>TRIP (</mark> SET)	NATIONAL GUARD	DOOR E	BOTTOM SWE	EP, SILICONE WITH STAINLESS RETAINER; 200SSS	US32D	R5E435
	NATIONAL GUARD			APPING ASTR	US32D	R5E635	
THRE	SHOLD	NATIONAL GUARD	THERM	ALLY BROKEN	N SADDLE TYPE	US32D	J52290

FD

FLA

FM FPM

FS FT

GAL

GPM

HB

HC

ΗP

HW

ΗZ IN

INV

KW

MAX MBH

MIN

HWC

HWR, HWS

0	AT	D	DAMPER
&	AND	D	DEPTH
ACU	AIR CONDITIONING UNIT	DB	DRY BULB
AD	ACCESS DOOR	dB	DECIBLES
ADJ	ADJUSTABLE	DDC	DIRECT DIGITAL CONTROLS
AFF	ABOVE FINISHED FLOOR	DEG F, °F	DEGREE FAHRENHEIT
AG	ABOVE GRADE	DIA	DIAMETER
AHU	AIR HANDLING UNIT	DIP	DUCTILE IRON PIPE
ATC	AUTOMATIC TEMERATURE CONTROL	DN	DOWN
AP	ACCESS PANEL	DW <mark>G</mark>	DRAWING
APD	AIR PRESSURE DROP	DWH	DOMESTIC WATER HEATER
В	BOILER	DX	DIRECT EXPANSIO <mark>N</mark>
BD	BACK DRAFT DAMPER	EAT <mark>, LAT</mark>	ENTERING/LEAVIN <mark>G AIR TEMPERATURE</mark>
BOD	BOTTOM OF DUCT	EDH	ELECTRIC DUCT HEATER
BTUH	BRITISH THERMAL UNIT PER HOUR	EF	EXHAUST FAN
CAP	CAPACITY	EFF	EFFICIENCY
CAV	CONSTANT AIR VOLUME	EG	EXHAUST GRILLE
CD	CONDENSATE DRAIN	EL	ELEVATION
CFH	CUBIC FEET PER HOUR	ER	EXHAUST REGISTE <mark>R</mark>
CFM	CUBIC FEET PER MINUTE	ESP <mark>, TSP</mark>	EXTERNAL/TOTAL STATIC PRESSURE
CLG	CEILING	ETR	EXISTING TO REMAIN
CO	CLEANOUT	EWT, LWT	ENTERING/LEAVING WATER TEMPERATURE
CUH	CABINET UNIT HEATER	EX, EXIST	EXISTING
CW	COLD WATER, POTABLE	EXH	EXHAUST

	MECHANICAL L	<u>EGEND</u>		
NEW EQUIPMENT         EXISTING EQUIPMENT         NEW WORK LINE WEIGHT	 OS & Y GATE VALVE BALL VALVE PLUG VALVE BUTTERFLY VALVE		SMOKE DAMPER WITH ACCESS DOOR FLEXIBLE CONNECTION VOLUME DAMPER, HANDLE INDICATES DIRECTION OF FLOW	FLEXIBLE DUCT (SINGLE LINE) TRANSITION TRANSITION, SQUARE (RECTANGULAR) TO ROUND
EXISTING WORK LINE WEIGHT         TO BE DEMOLISHED (ON DEMOLITION PLANS)         TEE TURNED UP         TEE TURNED DOWN         PIPING TURNED DOWN         PIPING TURNED UP         CAPPED PIPING         CONCENTRIC REDUCER         ECCENTRIC REDUCER	CHECK VALVE PRESSURE REDUCING VALVE TEMPERATURE AND PRESSURE RELIEF VALVE DIRECTION OF FLOW ARROW FLANGED FITTING THERMOMETER PRESSURE GAUGE WITH SHUT-OFF COCK TEMPERATURE SENSOR ATC CONTROL DAMPER SMOKE DAMPER		MOTOR OPERATED DAMPER ACOUSTICAL LINING CEILING DIFFUSER, ROUND ARROWS INDICATE THROW DIRECTIONS CEILING DIFFUSER, RECTANGULAR ARROWS INDICATE THROW DIRECTIONS RETURN REGISTER OR GRILLE DIRECTION OF FLOW ARROW (FIRST DIMENSION SHOWN IS TOP) ACCESS DOOR RISE IN ELEVATION RELATIVE TO DIRECTION OF FLOW DROP IN ELEVATION RELATIVE TO DIRECTION OF FLOW	STANDARD BRANCH SPIN-IN DUCT FITTING SQUARE ELBOW WITH TURNING VANES -AIR DEVICE TYPE SD-1 (UON) AIR QUANTITY (CFM) - BLANK OFF PORTION OF CEILING DIFFUSERS CONNECT NEW TO EXISTING
FLEXIBLE PIPE CONNECTION FAN OR PUMP CIRCULATING PUMP UNION GAS COCK	FREEZESTAT FIRE DAMPER WITH ACCESS DOOR	24x12 24x12 24x12	BACK DRAFT DAMPERSUPPLY OR FRESH AIR DUCT (FIRST DIMENSION SHOWN IS TOP)RETURN OR EXHAUST DUCT (FIRST DIMENSION SHOWN IS TOP)DUCT TURNED UPDUCT TURNED DOWN	EXTENT OF DEMOLITION
	ADDENDLIMS / REVISIONS			<u>^</u>

## DELAWARE **DEPARTMENT OF TRANSPORTATION**

ADDENDUMS / REVISIONS

## **MECHANICAL ABBREVIATIONS**

1,000 BRITISH THERMAL UNITS (BTU) PER HOUR       RA       RETURN AIR       WB       WET BULB         MINIMUM       RF       RETURN AIR FAN       W.C.       WATER COLUMN         RAR       RETURN AIR REGISTER       WG       WATER GAUGE         RPM       REVOLUTIONS PER MINUTE       WH       WALL HYDRANT         RX       REMOVE EXISTING       WPD       WATER PRESSURE DROP         LBS/HR       POUNDS PER HOUR       WATER PRESSURE DROP
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

SMYRNA	<b>REST AREA</b>
BATHROOM	RENOVATIONS

T	2

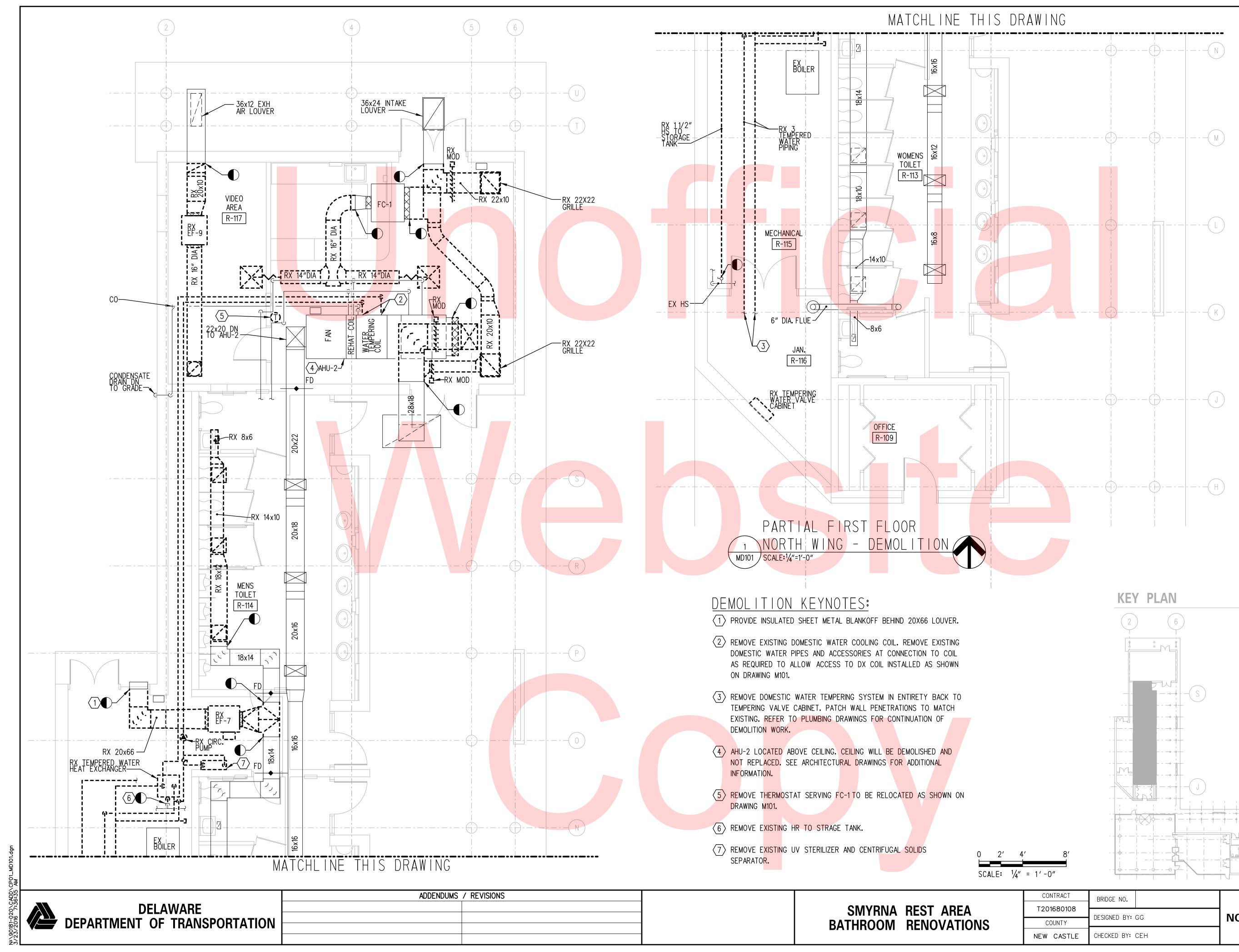
## **GENERAL NOTES:**

- 1. GENERAL NOTES ARE DISCIPLINE SPECIFIC, AND APPLY TO EVERY DRAWING IN THAT DISCIPLINE. DRAWING NOTES APPLY TO ALL WORK SHOWN ON A DRAWING. CONSTRUCTION/DEMOLITION NOTES APPLY TO INDIVIDUAL SITUATIONS AND EQUIPMENT.
- 2. SLOPES AND INVERT ELEVATIONS SHALL BE ESTABLISHED BEFORE ANY PIPING IS INSTALLED IN ORDER TO MAINTAIN PROPER SLOPES.
- 3. MAKE PROPER CONNECTION TO FIXTURES AND EQUIPMENT. DRAWINGS ARE SCHEMATIC AND ALL BRANCH MAINS, ELBOWS, AND CONNECTIONS ARE NOT SHOWN.
- 4. COORDINATE LOCATION OF PIPING AND DUCTWORK WITH LIGHTING FIXTURES, OTHER PIPING AND DUCTWORK, EQUIPMENT AND BUILDING STRUCTURE. PIPING AND DUCTWORK SHALL BE RUN TO AVOID CONFLICTS WITH OTHER TRADES.
- DO NOT RUN HYDRONIC PIPING OR LOCATE MECHANICAL EQUIPMENT DIRECTLY ABOVE ELECTRICAL SUBSTATIONS, CABLE TRAYS, TRANSFORMERS, PANEL BOARDS, OR SWITCHGEAR.
- 6. DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE.
- INSTALL PIPING AND DUCTWORK SO THAT VALVES AND DAMPERS ARE ACCESSIBLE.
- CERTAIN ITEMS SUCH AS ACCESS DOORS, RISE AND DROPS IN DUCTWORK AND PIPING, ETC., ARE INDICATED ON THE DRAWINGS FOR CLARITY OR A SPECIFIC LOCATION REQUIREMENT AND SHALL NOT BE INTERPRETED AS THE EXTENT OF THE REQUIREMENTS FOR THESE ITEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THESE ITEMS AS REQUIRED IN THE CONTRACT DRAWINGS AND SPECIFICATIONS.
- 9. SCHEMATIC AND RISER DIAGRAMS INDICATE FLOW AND OPERATIONAL CONCEPT AS WELL AS GENERAL ARRANGEMENT OF EQUIPMENT. VALVES, PRESSURE GAUGES, ETC. ADDITIONAL VALVES PRESSURE GAUGES, ETC. SHALL BE PROVIDED AS SHOWN ON DETAILS AND AS INDICATED IN SPECIFICATIONS.
- 10. DETAILS WITHOUT SPECIFIC REFERENCE TO A LOCATION SHALL BE APPLIED TO THE GENERAL INSTALLATION OF PIPES, DUCTS, ETC.

CONTRACT	BRIDGE NO.					
T201680108						
1201000100	DESIGNED BY: GG					
COUNTY						
NEW CASTLE	CHECKED BY: CEH					

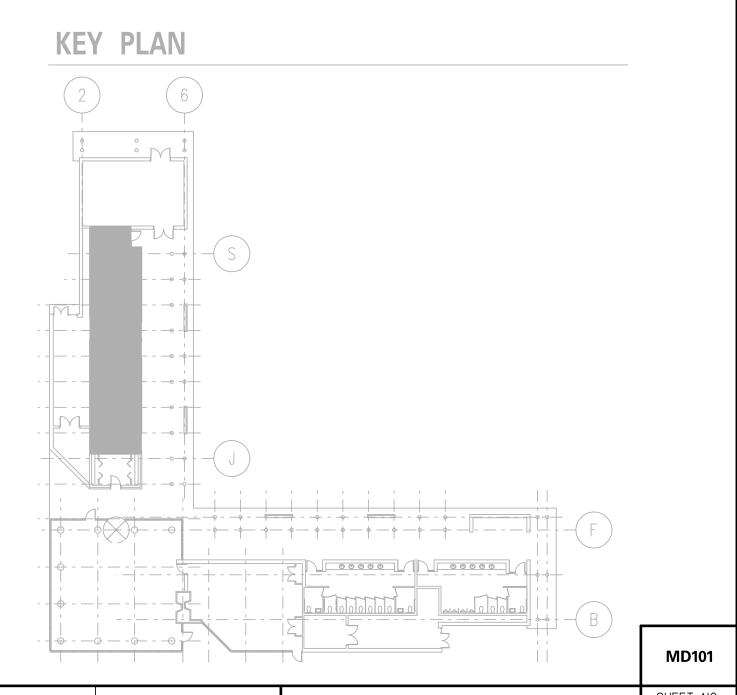


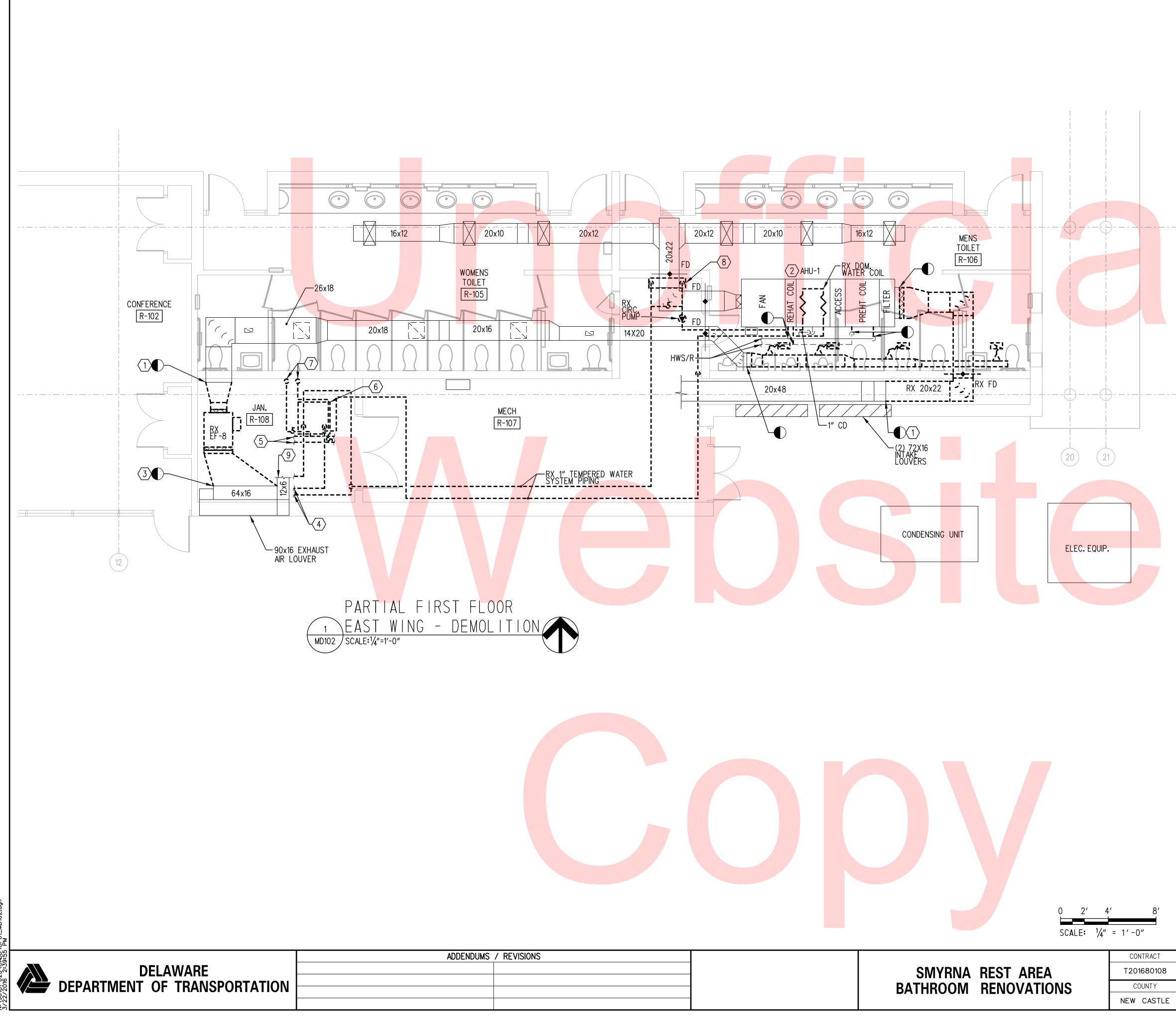
M001 SHEET NO. 10 TOTAL SHTS



	REJI AREA
BATHROOM	RENOVATIONS

· -0"				MD101
CONTRACT	BRIDGE NO.			SHEET NO.
201680108			PARTIAL FIRST FLOOR	11
COUNTY	DESIGNED BY:	GG	NORTH WING DEMOLITION	TOTAL SHTS.
W CASTLE	CHECKED BY:	СЕН		29





## DEMOLITION KEYNOTES:

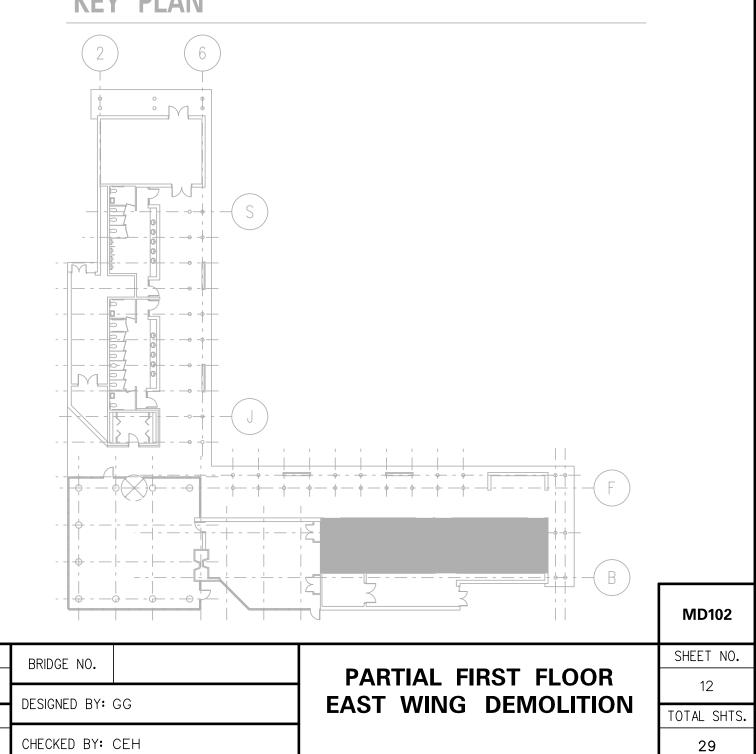
 $\langle 1 \rangle$  CAP DUCT AND SEAL DUCT IN THIS LOCATION.

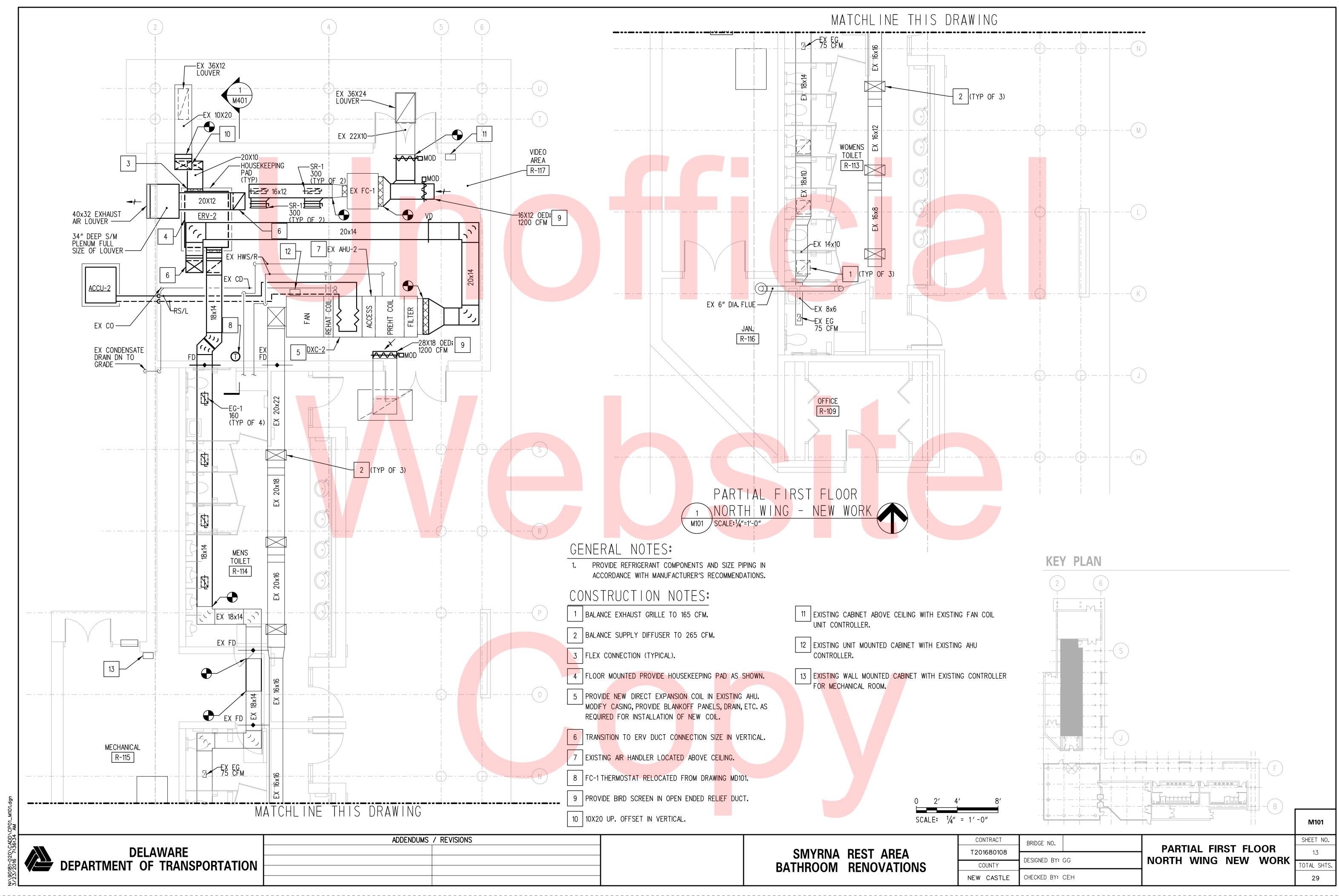
- $\langle 2 \rangle$  AHU-1 LOCATED ABOVE CEILING. LOWER UNIT AS REQUIRED TO PERFORM DEMOLITION OF DOMESTIC WATER COIL AND INSTALLATION OF DX COIL SHOWN ON DRAWING M102.
- $\langle 3 \rangle$  provide insulated sheet metal blankoff for unused portion OF 64X16 PLENUM.
- $\overline{\langle 4 \rangle}$  REMOVE DOMESTIC WATER TEMPERING SYSTEM IN ENTIRETY BACK TO TEMPERING VALVE CABINET LOCATED BELOW 64X16 PLENUM. PATCH WALL PENETRATIONS TO MATCH EXISTING. REFER TO PLUMBING DRAWINGS FOR CONTINUATION OF DEMOLITION WORK.
- $\overline{5}$  REMOVE EXISTING TEMPERED WATER SYSTEM PIPING.
- $\langle 6 \rangle$  REMOVE EXISTING TEMPERED WATER STORAGE TANK.
- $\langle 7 \rangle$  REMOVE EXISTING 11/2" HWS/R BACK TO MAIN AND CAP.
- $\langle 8 \rangle$  REMOVE EXISTING UV STERILIZER AND CENTRIFUGAL SOLIDS SEPARATOR.
- $\langle 9 \rangle$  EXHAUST DUCTWORK NOT SHOWN FOR CLARITY. REFER TO DRAWING M102 FOR CONTINUATION.

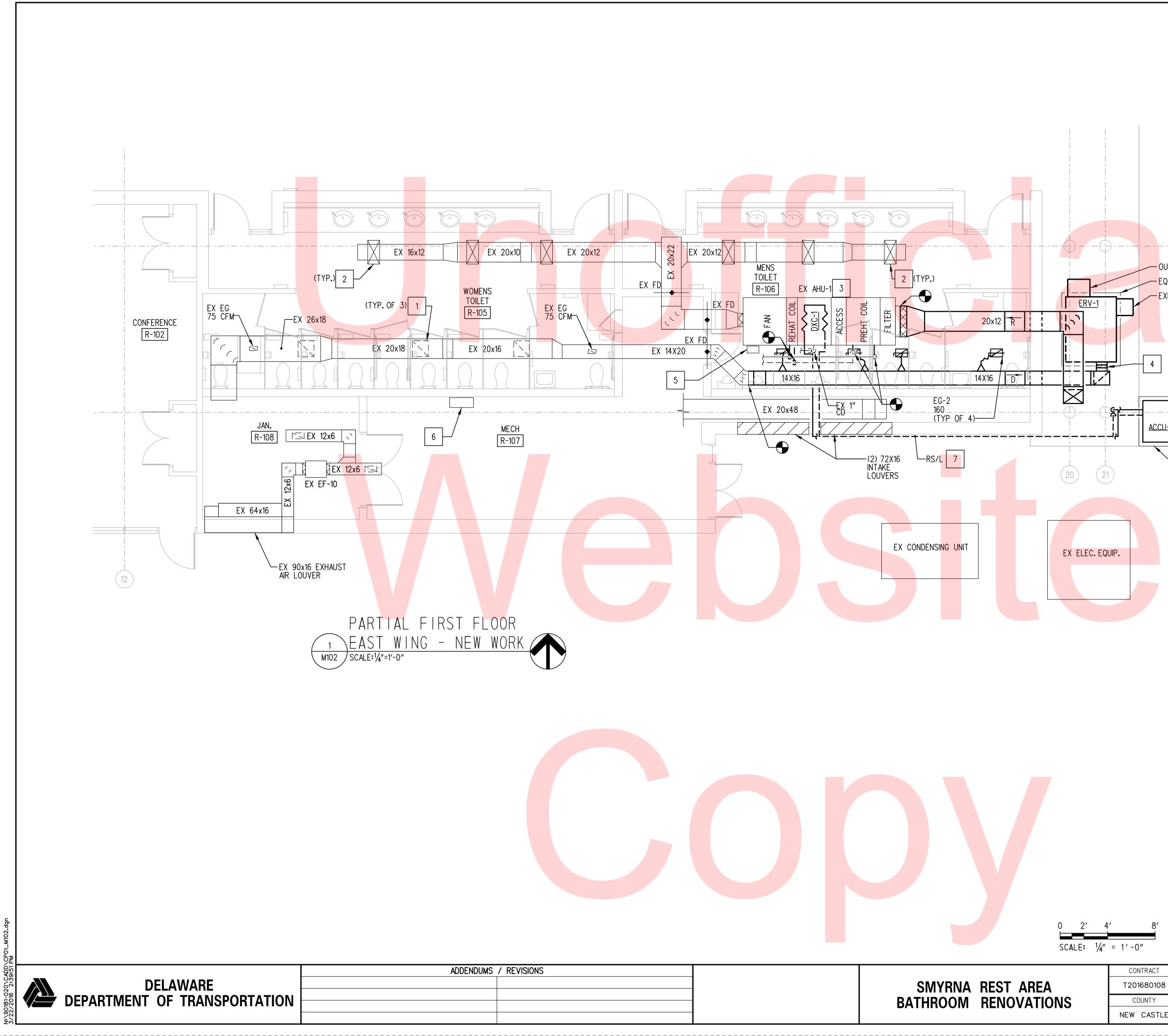
ELEC. EQUIP.

-( B )

**KEY PLAN** 







# GENERAL NOTES: PROVIDE REFRIGERANT COMPONENTS AND SIZE PIPING IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CONSTRUCTION NOTES: BALANCE EXHAUST GRILLE TO 165 CFM. BALANCE SUPPLY DIFFUSER TO 265 CFM. 2 LOWER UNIT AS REQUIRED TO PERFORM COIL REPLACEMENT 3 WORK. FLEX CONNECTION (TYPICAL). 4 EXISTING UNIT MOUNTED CABINET WITH EXISTING AHU 5 CONTROLLER. EXISTING WALL MOUNTED CABINET WITH EXISTING CONTROLLER 6 -OUTDOOR AIR INTAKE FOR MECH ROOM AND WEB BASED SUPERVISORY CONTROLLER. RACK PIPING HIGH ON WALL WITH ONE PIPE OVER TOP OF THE - EXHAUST AIR DISCHARGE 7 OTHER. ----(B) ACCU-1 -EQUIPMENT PAD EX ELEC. EQUIP. **KEY PLAN** 6 | . _ | - _ _ _ - _ |- _ _ |-M102 SHEET NO. CONTRACT BRIDGE NO. PARTIAL FIRST FLOOR

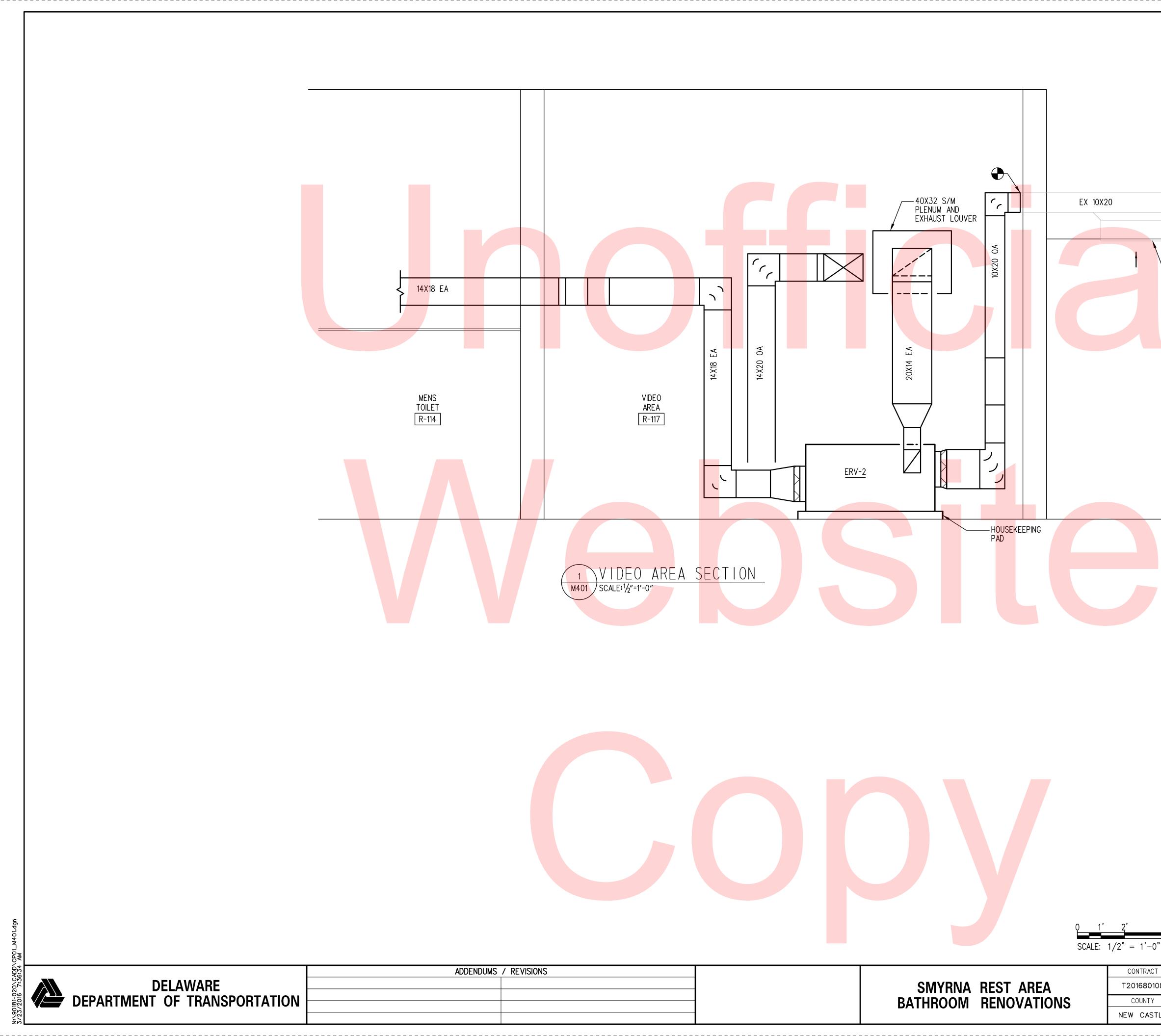
CHECKED BY: CEH 29 NEW CASTLE

DESIGNED BY: GG

EAST WING NEW WORK

14

OTAL SHTS



	BRIDGE NO.		SHEET NO.
01680108		MECHANICAL	15
	DESIGNED BY: GG	SECTIONS	10
COUNTY	BESIGNED BTV OO	SECTIONS	TOTAL SHTS.
CASTLE	CHECKED BY: CEH		29

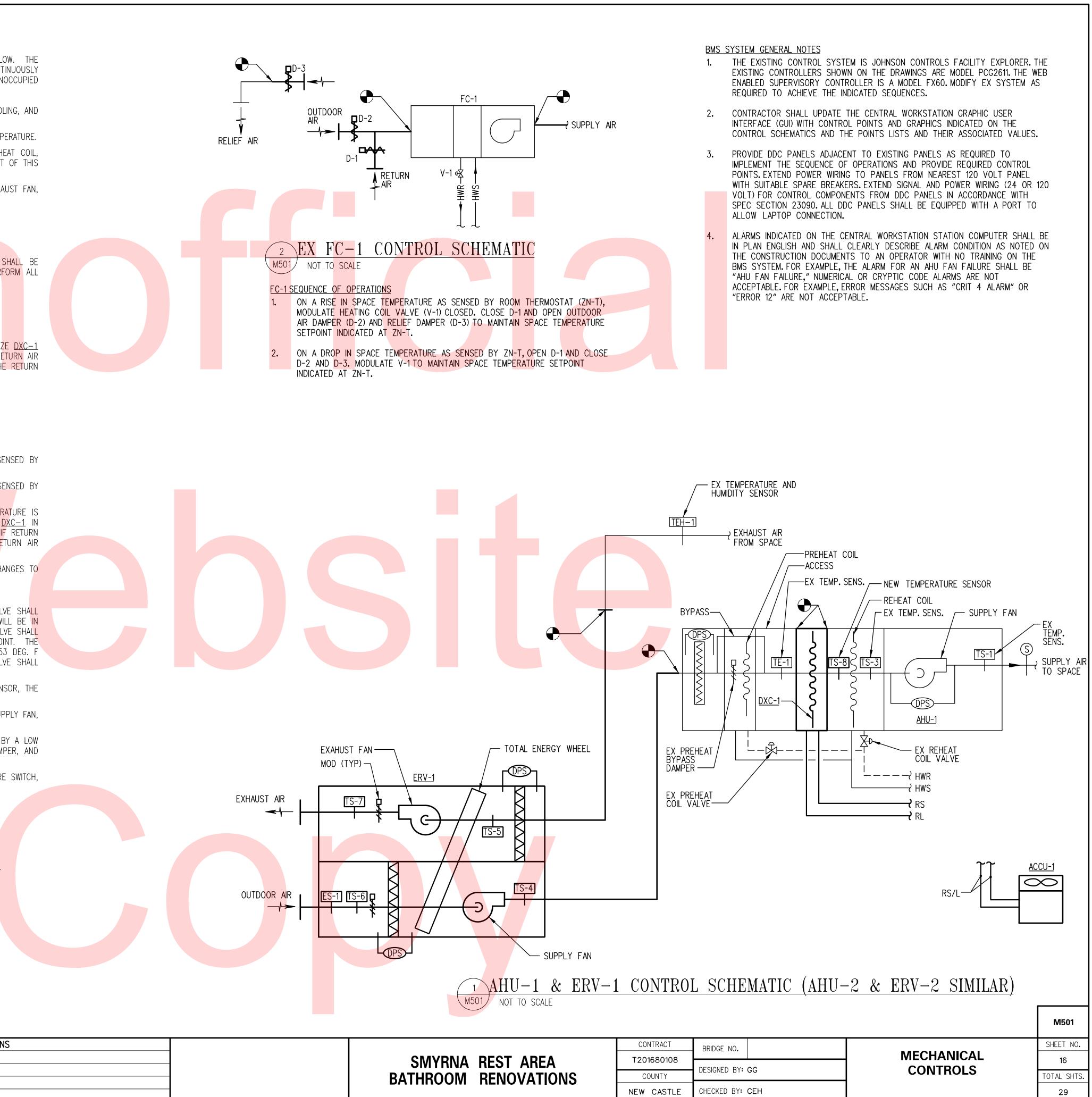
M401

SHEET NO.

4 1'-0"	
NTRACT	BRIDGE NO.

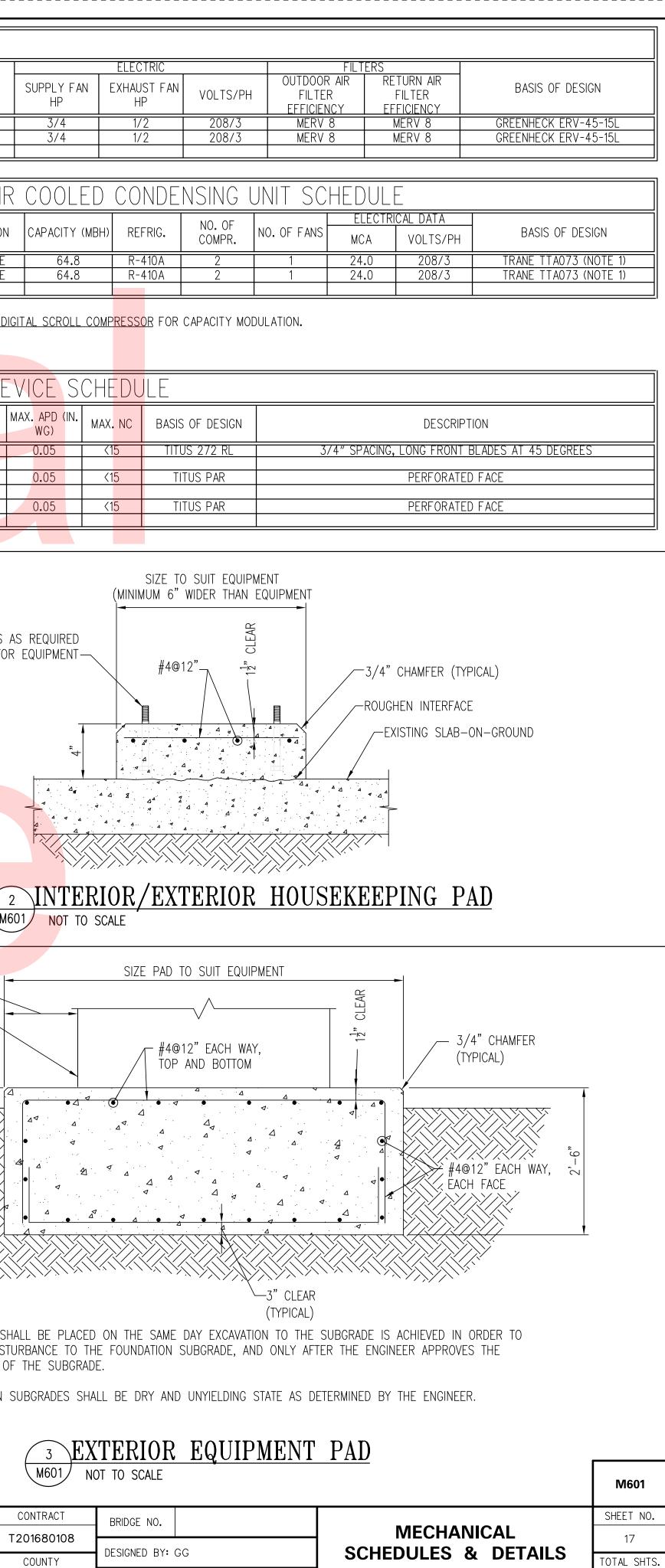
EX 36X12 LOUVER

<u>.</u> <u>AHU-1</u>	1 & ERV-1 SEQUENCE OF OPERATIONS (AHU-2 & ERV-2 SIMILAR)
<u>GENER</u>	
1.	SYSTEM DESCRIPTION: MODIFICATIONS TO THE EXISTING SYSTEM SEQUENCE OF OPERATIONS ARE LIMITED TO THE EXTENT INDICATED BELC ENERGY RECOVERY UNIT ( <u>ERV-1</u> ) SHALL BE INTERLOCKED WITH THE AIR HANDLING UNIT (AHU-1). AHU-1 AND <u>ERV-1</u> SHALL RUN CONTI WHEN IN OCCUPIED MODE. AHU-1 AND <u>ERV-1</u> SHALL DE-ENERGIZE AND ALL MOTOR OPERATED DAMPERS SHALL CLOSE WHEN IN UNC MODE.
2.	SYSTEM TYPE: CONSTANT 100% OUTDOOR AIR VOLUME SYSTEM WITH HYDRONIC PRE-HEAT, HYDRONIC REHEAT, DIRECT EXPANSION (DX) COOL ENERGY RECOVERY.
3.	METHOD OF CONTROL: EXISTING RETURN AIR COMBINATION TEMPERATURE AND HUMDITY SENSOR SHALL CONTROL AHU LEAVING SUPPLY TEMPE
4.	AHU-1 DESCRIPTION: THE EXISTING AHU-1 IS A CONSTANT VOLUME, 100% OUTDOOR AIR UNIT. THE UNIT INCLUDES EXISTING PRE-HE REHEAT COIL, FACE AND BYPASS DAMPER, SUPPLY FAN, AND ASSOCIATED TEMPERATURE AND DIFFERENTIAL PRESSURE SENSORS. AS PART PROJECT, A DX COOLING COIL AND ASSOCIATED CONDENSING UNIT WILL BE ADDED.
5.	<u>ERV-1</u> DESCRIPTION: ERV-1 IS A CROSS FLOW ENERGY RECOVERY DEVICE WHICH INCLUDES A TOTAL ENERGY WHEEL, SUPPLY FAN, EXHAU FILTERS, DIFFERENTIAL PRESSURE SENSORS, AND TEMPERATURE SENSORS.
6.	SPACE TEMPERATURE AND HUMIDITY SETPOINTS: COOLING: 75 DEG. F (ADJ.) HEATING: 70 DEG. F (ADJ.) MAX RELATIVE HUMIDITY: 50% RH (ADJ.)
7.	AHU OPERATING STATUS AND SCHEDULES, TEMPERATURE SETPOINTS, STATIC PRESSURE SETPOINTS AND EQUIPMENT ALARM CONDITIONS S MONITORED AND ADJUSTED THROUGH THE DDC SYSTEM GRAPHICAL USER INTERFACE (GUI). OPERATOR SHALL ALSO BE ABLE TO PERFO MONITORING AND CONTROL DIRECTLY FROM THE DDC PANEL AND THE OPERATORS WORKSTATION LOCATED AT FACILITIES MAINTENANCE.
	PIED MODE:
1. 2.	OPEN <u>ERV-1</u> DAMPERS TO FULL OPEN. ONCE DAMPERS ARE PROVEN OPEN, ENERGIZE ERV-1 SUPPLY AND RETURN FANS. ENERGIZE AHU-1 SUPPLY FAN.
3.	COOLING OPERATION: MODULATE PRE-HEAT BYPASS DAMPER TO FULL BYPASS POSITION. UPON CALL FOR COOLING FROM TEH-1, ENERGIZE IN COOLING MODE AND MODULATE COMPRESSOR TO MAINTAIN LEAVING AIR TEMPERATURE OF 55 DEG. F (ADJ.) AS SENSED BY TS-8. IF RET RELATIVE HUMIDITY IS BELOW SETPOINT AS SENSED BY TEH-1, RESET SUPPLY AIR TEMPERATURE (SAT) AS SENSED BY TS-8 BASED ON THE AIR TEMPERATURE (RAT) AS SENSED BY TEH-1:
	RAT IS ABOVE 78 DEG. F 55 DEG. F SAT
	RAT BETWEEN 74 AND 72 DEG. F INTERPOLATE
	RAT LESS THAN 72 DEG. F 70 DEG. SAT
4.	WHEN IN COOLING MODE AND THE UNIT RETURN AIR ENTHALPY AS SENSED BY TEH-1 IS LESS THAN THE OUTSIDE AIR ENTHALPY AS SEI ES-1, OPERATE ENERGY RECOVERY WHEEL AT FULL SPEED.
5.	WHEN IN HEATING MODE AND THE UNIT RETURN AIR ENTHALPY AS SENSED BY TEH-1 IS GREATER THAN THE OUTSIDE AIR ENTHALPY AS SE ES-1, OPERATE ENERGY RECOVERY WHEEL AT FULL SPEED.
6.	DEHUMIDIFCATION OPERATION: IF RETURN AIR RELATIVE HUMIDITY IS ABOVE SET POINT AS SENSED BY TEH-1 AND OUTSIDE AIR TEMPERA ABOVE 60 DEG F, MODULATE BYPASS DAMPER TO FULL BYPASS POSITION. UPON CALL FOR DEHUMIDICATION FROM TEH-1, ENERGIZE D COOLING MODE. RESET SUPPLY AIR TEMPERATURE DOWNWARD TO A MINIMUM OF 55 DEG. F TO MAINTAIN RELATIVE HUMIDITY AT TEH-1. IF AIR TEMPERATURE IS BELOW HEATING SETPOINT, ACTIVATE HEATING/BOILER SYSTEM AND MODULATE REHEAT COIL VALVE TO MAINTAIN RET TEMPERATURE HEATING SETPOINT.
7.	HEATING OPERATION: TS-4 SHALL BE THE SOURCE OF THE OUTDOOR AIR TEMPERATURE FOR ALL HEATING COMPONETS. NO OTHER CHAI THE EXISTING UNIT SEQUENCE OF OPERATIONS ARE REQUIRED.
	NG TO REMAIN SEQUENCE OF OPERATIONS:
1.	PREHEAT COIL AND FACE & BYPASS DAMPER: WHEN OUTDOOR AIR TEMPERATURE IS ABOVE 40 DEG. F (ADJ.), THE PREHEAT COIL VALV MODULATE TO MAINTAIN PREHEAT COIL DISCHARGE AIR TEMPERATURE AT 55 DEG. F (ADJ.) SETPOINT. THE FACE AND BYPASS DAMPER WIL THE FACE FULL OPEN POSITION. UPON A FALL IN OUTDOOR AIR TEMPERATURE BELOW 40 DEG. F (ADJ.), THE HEATING, THE HEATING VALV OPEN FULLY, AND THE FACE AND BYPASS DAMPER SHALL MODULATE TO MAINTAIN PREHEAT COIL DISCHARGE AIR TEMPERATURE AT SETPOIN HEATING VALVE WILL BE CLOSED AND THE COIL FACE DAMPER WILL BE FULLY OPEN IF THE OUTDOOR AIR TEMPERATURE RISES ABOVE 53 (ADJ.). WHEN THE UNIT SUPPLY FAN IS OFF, THE FACE DAMPER SHALL BE IN THE FULLY CLOSED POSITION AND THE HEATING VALV MODULATE TO MAINTAIN AN INTERNAL UNIT TEMPERATURE OF 50 DEG. F (ADJ.).
2.	REHEAT: UPON A DROP IN EXHAUST AIR TEMPERATURE BELOW 70 DEG. F (ADJ.) AS SENSED BY THE EXHAUST AIR TEMPERATURE SENS REHEAT COIL VALVE SHALL MODULATE TO MAINTAIN SETPOINT.
3.	SMOKE SHUTDOWN: A SMOKE DETECTOR MOUNTED IN THE SUPPLY DUCT SHALL, THROUGH A HARDWIRED INTERLOCK, DE-ENERGIZE THE SUPI CLOSE THE OUTSIDE AIR DAMPER, AND AN ALARM MESSAGE SHALL BE GENERATED AT THE AHU CONTROLLER DISPLAY.
4.	LOW LIMIT SHUTDOWN: UPON A DROP IN AIR TEMPERATURE LEAVING THE REHEAT COIL BELOW 35 DEG. F (MANUALLY ADJ.), AS SENSED BY LIMIT THERMOSTAT (FREEZESTAT), THE CONTROLLER SHALL DE-ENERGIZE THE SUPPLY AND EXHAUST FANS, CLOSE THE OUTSIDE AIR DAMP OPEN THE REHEAT COIL VALVE. AN ALARM MESSAGE SHALL BE GENERATED AT THE AHU CONTROLLER DISPLAY.
5.	AHU FILTER STATUS: UPON A RISE IN DIFFERENTIAL PRESSURE ABOVE SETPOINT ACROSS FILTER, AS SENSED BY A DIFFERENTIAL PRESSURE AN ALARM MESSAGE SHALL BE GENERATED AT THE AHU CONTROLLER DISPLAY.
UNOCO	CUPIED MODE:
1. ว	AHU-1 AND <u>ERV-1</u> SHALL DE-ENERGIZE.
2. <u>SAFETI</u>	ALL MOTOR OPERATED DAMPERS SHALL FULLY CLOSE. ES:
1.	ENERGY RECOVERY WHEEL PACKAGED CONTROLS SHALL SIGNAL TIMED EXHAUST TO PREVENT THE ENERGY RECOVERY WHEEL FROM FREEZING.
	<u>/OUTPUT_POINTS:</u>
1. 2. 3. 4.	ERV–1 ENTERING OUTDOOR AIR TEMPERATURE – ANALOG INPUT ERV–1 LEAVING OUTDOOR AIR TEMPERATURE – ANALOG INPUT ERV–1 ENTERING EXHAUST AIR TEMPERATURE – ANALOG INPUT ERV–1 DISCHARGE EXHAUST AIR TEMPERATURE – ANALOG INPUT
5. 6. 7.	ERV—1 ENTERING OUTDOOR AIR ENTHALPY — ANALOG INPUT AHU—1 COOLING COIL LEAVING AIR TEMPERATURE (TS—8) — ANALOG INPUT ACCU—1 STATUS — DIGITAL INPUT
7. 8. 9.	ERV—1 STATUS — DIGITAL INPUT ERV—1 OUTDOOR AIR DIRTY FILTER ALARM — DIGITAL INPUT
10. 11.	ERV–1 EXHAUST AIR DIRTY FILTER ALARM – DIGITAL INPUT ACCU–1 START/STOP – DIGITAL OUTPUT
12. 13.	ERV—1 START/STOP — DIGITAL OUTPUT ALL EXISTING POINTS TO REMAIN
	ADDENDUMS / REVISIONS
	DELAWARE DEPARTMENT OF TRANSPORTATION

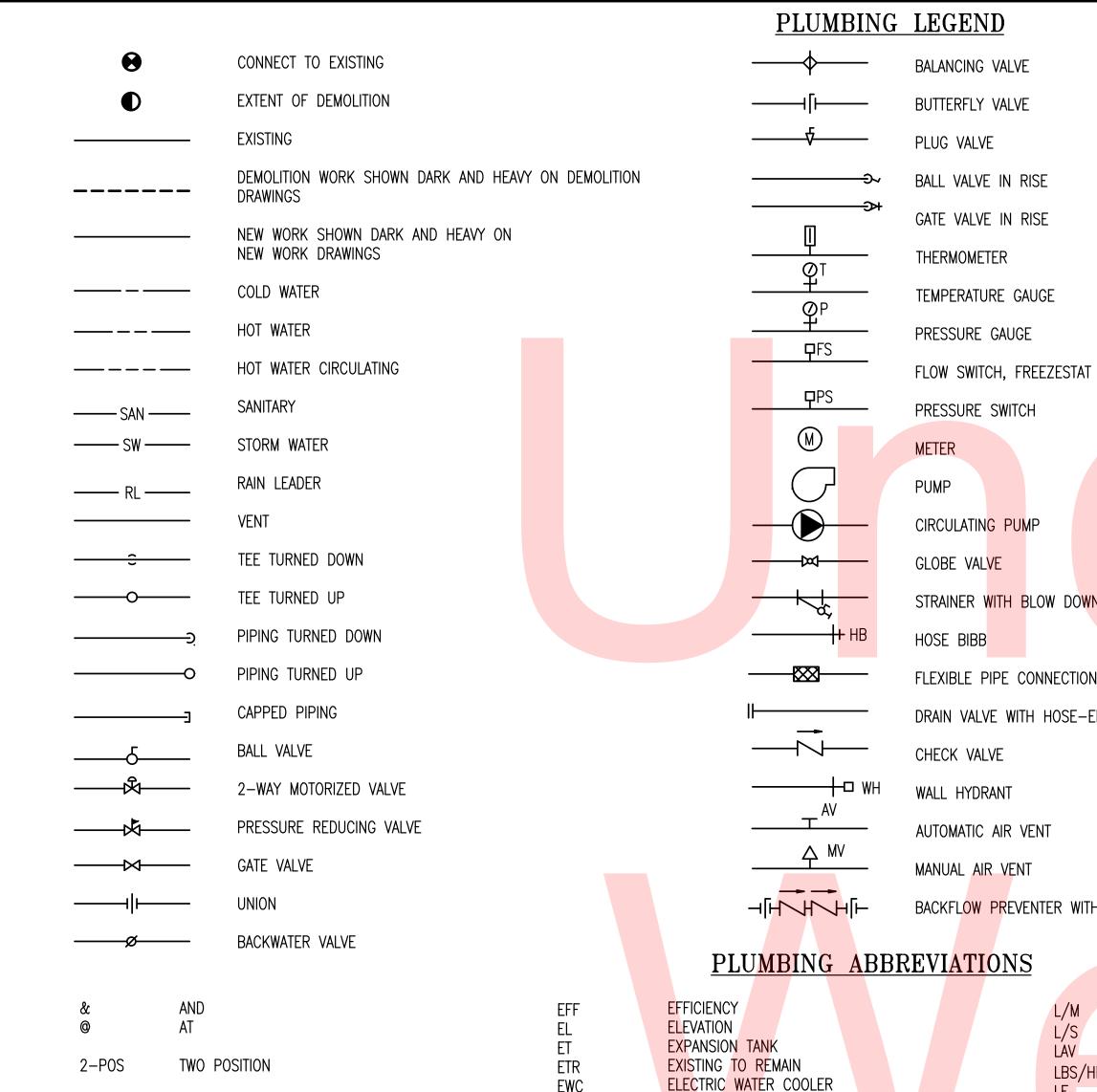


											EN	IERGY RE	COVERY	WHEEL	_ SCHED	ULE			
	UNIT ID	LOCATION	CFM	SUPPLY AIR EAT (DB)		CFM E	RETURN AIR EAT (DB)	LAT (DB)	CFM	EAT (I	SUPPLY AIR B) EAT (WE		SUI LAT (WB)	MMER CFM	EAT (	RETURN AIR DB) EAT (WB)	LAT LAT (DB) (WB)	MAX. (IN W	APD (
	ERV-1 ERV-2	OUTSIDE COFFEE ROOM R	1,580 -117 1,580	0.0 0.0	47.3	1,280 1,280	68.6 68.6	10.2 10.2	1,580 1,580	90.0	75.0	80.7 80.7	67.8 67.8	1,280 1,280	76.5 76.5	63.8 63.8	88.0 73.6 88.0 73.6	0.2	
			L		·		ING COIL	SCHEI	)UI F								L		AIR (
	UNIT ID	AREA SERVED	LOCATION	SUPPI CFM	_YFAN MINOA T	OTAL SENSIB	BLE EAT DB (F)	DX COOLIN EAT WB (F)	G COIL LAT DB (F)	LAT WB (F)		APPROX. EXISTING MODULE SIZE (NO	COIL TE 3) BASIS (	DF DESIGN (NO	TE 2)		JNIT ID AREA SEF	VED LOG	CATION
	DXC-1 DXC-2	EAST BATHROOMS	MENS TOILET R-106 VIDEO AREA R-117		1,580	(MBH)         (MBH)           64.8         43.9           64.8         43.9	9 80.7	(NOTE 1) 67.8 67.8	(NOTE 1) 55.0 55.0		.25 500 .25 500	<u>34"L x 34"H x 4</u> 34"L x 34"H x 4	8″W T	RANE DUFB27 RANE DUFB27			ACCU-1 EAST W		UTSIDE UTSIDE
	)TES:	ND LEAVING AIR TEMPERAT														NOTES 1. PRI	: OVIDE CONDENSING UNIT W	ITH AT LEAST	ONE DIGIT
2		E DX COIL SIZE WITH EXIST					08 INSTALLED IN 2	2005.											
														ID	SERVICE	MOUNTING	NECK SIZE FACE S		R DEV
													SR-1		AUST GRILLE	DUCT SURFACE	18x6     20x8       8     24x24		
													EG-2		AUST GRILLE	LAY-IN	8 24x24		
														1					
										Г	- <b>/</b>	N DUCT							
											45.0	∕− VOLUM	1e damper (WF	HERE				ANCHOR	RODS AS FOR E
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										L		4(4" MINIMUM)							-
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																	6" CLE	AR AROUND	M601
																	ALL SI	DES	
																		SURE (TYPICAL ص	
									GEI	NERAL N	OTES						FINISHED GRADE		
									1.	CONCRETE WOR	K SHALL BE IN .	ACCORDANCE WITH	I ACI 301 AND	ACI 318.					
									2.	CONCRETE SHA 3,000 PSI.	L HAVE A MINIM	UM 28-DAY COMF	PRESSIVE STREM	NGTH OF					
									3.			l meet astm a61							
									4.	SUBMII REINFC	CING SIEEL SHO	OP DRAWINGS FOR	REVIEW AND A	APPROVAL.					
																		NOTES:	
																		MINIMIZ	RETE SHALL ZE DISTURE BILITY OF T
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		DELAW	ARE				ADDEND	JMS / REVIS	SIONS							CWADUV	<b>REST AREA</b>		CC T2C
	DEPAR	TMENT OF TH										_					RENOVATIO		

									EN	ERGY RE			SCHEDU	JLE			
UNIT ID	LOCATION	CFM EAT	_Y AIR (DB) LAT (DB)	CFM EA	RETURN AIR AT (DB)	LAT (DB)	CFM	EAT (DB	SUPPLY AIR EAT (WB)	LAT (DB)	SUM LAT (WB)	CFM	EAT (DE	RETURN AIR 3) EAT (WB	) LAT (DB)	LAT (WB)	MAX. APD (IN W.C)
ERV-1 ERV-2	OUTSIDE COFFEE ROOM R-117	1,580 0.0 1,580 0.0		1,280 1,280	68.6 68.6	10.2 10.2	1,580 1,580	90.0 90.0	75.0 75.0	80.7 80.7	67.8 67.8	1,280 1,280	76.5 76.5	63.8 63.8	88.0 88.0	73.6 73.6	0.20
			SUPPLY FAN	DX COOLI	NG COIL	SCHED dx cooling											AIR
UNIT ID	AREA SERVED	LOCATION	CFM MIN OA CFM	TOTAL SENSIBL (MBH) (MBH)	(NOTE 1)	EAT WB (F) (NOTE 1)	LAT DB (F) L (NOTE 1)	(NOTE 1) APD (	• N.) FACE VEL.	APPROX. EXISTING MODULE SIZE (NO	TE 3)	F DESIGN (NOTE	2)		UNIT ID	AREA SERVED	OUTSIDE
DXC-1 DXC-2 NOTES:			580 1,580 580 1,580	64.8     43.9       64.8     43.9	80.7 80.7	67.8 67.8	55.0 55.0	54.7         0.2           54.7         0.2		34"L x 34"H x 4 34"L x 34"H x 4		ANE DUFB27			ACCU-2		OUTSIDE
1. ENTERING A	ND LEAVING AIR TEMPERATURES E DX COIL SIZE WITH EXISTING A				3 INSTALLED IN 2	2005.								1.	FROVIDE CONDEN		AT LEAST <u>ONE DIGIT</u>
													ERVICE	MOUNTING	NECK SIZE	FACE SIZE	AIR DEV
											SR-1	SUPPL	Y REGISTER	DUCT	18x6	20x8	300
											EG-1 EG-2		JST GRILLE	SURFACE	8	24x24 24x24	0 - 160
									MAIN	N DUCT							
									45.0		ME DAMPER (WHI TED ON PLANS	ERE					ANCHOR RODS AS FOR E
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									<b>↓</b> ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	(4" MINIMUM)							
										BRANC.	ц						
								M	SO1 NOT TO		<u>11</u>						(2 (M601
																6" CLEAR / ALL SIDES -	
																LIMIT OF E ENCLOSURE	QUIPMENT (TYPICAL)
							GENI	ERAL NO	TES							NISHED RADE	2°
							1. C	ONCRETE WORK	SHALL BE IN A	CCORDANCE WITH	H ACI 301 AND .	ACI 318.			$\overline{\mathbf{y}}$		
							3	,000 PSI.		JM 28-DAY COM							
										MEET ASTM A61 P DRAWINGS FOF							
																NOTE	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
																1.	CONCRETE SHAL MINIMIZE DISTUR
																2.	SUITABILITY OF
						W0 / 55				-							
	DELAWARI TMENT OF TRAN				ADDENDU	JMS / REVIS				-					IA REST M RENO		



NEW CASTLE CHECKED BY: CEH



		ET	EXPANSION TANK
2-POS	TWO POSITION	ETR	EXISTING TO REMAIN
		EWC	ELECTRIC WATER COOLER
ABV	ABOVE	EWH	ELECTRIC WATER TEMPERATURE
AC	AIR COMPRESSOR	EWT	ENTERING WATER TEMPERATURE
AD	ACCESS DOOR, AREA DRAIN		
ADJ	ADJUSTABLE	EX, EXIST	EXISTING
		500	
AFF	ABOVE FINISHED FLOOR	FCO	FLOOR CLEAN OUT
AG	ABOVE GRADE	FCU	FAN COIL UNIT
AHU	AIR HANDLING UNIT	FIN	FINISHED
		FM	FACTORY MUTUAL
BEL	BELOW	FLR	FLOOR
BTUH	BRITISH THERMAL UNIT PER HOUR	FOP	FUEL OIL PUMP
		FOR	FUEL OIL RETURN
СА	COMPRESSED AIR	FOS	FUEL OIL SUPPLY
CAP	CAPACITY	FPM	FEET PER MINUTE
CD	CONDENSATE DRAIN	FS	FLOW SWITCH
CDP	PUMPED CONDENSATE DRAIN	FT	FEET
CFH	CUBIC FEET PER HOUR		
CLG	CEILING	G	NATURAL GAS
C0		GAL	GALLONS
CP	CIRCULATING PUMP	GPH	GALLONS PER HOUR
CP	CONDENSATE PUMP	GPM	GALLONS PER MINUTE
CRU	COMPUTER ROOM UNIT		
CS	CURRENT SENSING RELAY	Н	HUMIDIFIER
CV	FLOW COEFFICIENT	HB	HOSE BIB
CW	COLD WATER, POTABLE	HCO	HORIZONTAL CLEANOUT
СХ	CONNECT TO EXISTING	HD	HEAD
		HP	HORSEPOWER
DB	DRY BULB	HW	HOT WATER, POTABLE
dB	DECIBELS	HWR	HEATING WATER RETURN
DEG C, C	DEGREE CELSIUS	HWS	HEATING WATER SUPPLY
DEG F, F	DEGREE FAHRENHEIT	HWC	HOT WARE CIRCULATING, POTABLE
DEG 1, 1 DF	DRINKING FOUNTAIN		HOT WATER RE-CIRCULATING
		HWR	
DFU	DRAINAGE FIXTURE UNITS	HZ	HERTZ
DIA	DIAMETER		
DN	DOWN	IND	IDENTIFICATION
DWG	DRAWING	IN	INCH
DWH	DOMESTIC WATER HEATER	INV	INVERT
		KG	KILOGRAM
		KW	KILOWATT

DELAWARE **DEPARTMENT OF TRANSPORTATION**  KILOWATT ADDENDUMS / REVISIONS

<u>)</u>			GEN
/ALVE			
/ALVE	CO T		1.
ALVL	FD	FLOOR CLEANOUT	
		FLOOR DRAIN	
	e		2.

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FLOOR DRAIN

FLOOR SINK

FLOOR CLEANOUT

WALL CLEANOUT

TRENCH DRAIN

ROOF DRAIN

TEST PLUG

PIPE SLEEVE

PIPE ANCHOR

ALIGNMENT GUIDE

CONCENTRIC REDUCER

ECCENTRIC REDUCER

OPEN SITE DRAIN

VENT THROUGH ROOF

EMERGENCY OVERFLOW ROOF DRAIN

FLOOR DRAIN WITH TRAP PRIMER

TEMPERATURE AND PRESSURE RELIEF VALVE

PLUG VALVE-SHUTOFF COCK

STRAINER WITH BLOW DOWN VALVE

FLEXIBLE PIPE CONNECTION

DRAIN VALVE WITH HOSE-END CONNECTION

			DIRECTION OF	FLOW ARROW
EVENT	ER WITH ISOLAT	TION VALVES		
<u>IS</u>				
	1.11		DD	
	L/M L/S	LITERS/PER MINUTE LITERS/PER SECOND	RD RL	ROOF DRAIN RAIN LEADER
	LAV	LAVATORY	RO	REVE <mark>RSE O</mark> SMOSIS WATER
	LBS/HR	POUNDS/PER HOUR	ROS RPBFP	REVE <mark>RSE O</mark> SMOSIS STEAM REDUCED PRESSURE BACK FLOW PREVENTER
	LF LS	LINEAR FEET LIMIT SWITCH	RPM	REVOLUTIONS PER MINUTE
	LWT	LEAVING WATER TEMPERATURE	RX	REMOVE EXISTING
	М	METERS	SAN	SANITARY
	M/S	METERS/PER SECOND	SG	STEAM GENERATOR
	MAX	MAXIMUM	SM SP	SQUARE METER SUMP PUMP
	MBH MCA	1,000 BRITISH THERMAL UNITS —BTU— PER HOUR MINIMUM CIRCUIT	SP	SPRINKLER
	MER	MECHANICAL EQUIPMENT ROOM	SPKR	SPRINKLER
	MIN		SQ S/S	SQUARE STAINLESS/STEEL
	MISC mm	MISCELLANEOUS MILLIMETER	STM	STEAM
	MOCP	MAXIMUM OVERCURRENT PROTECTION	SW	STORM WATER
	MTD MV	MOUNTED MANUAL AIR VENT	SWC SZA	STEAM WATER CONVERTER SPRINKLER ZONE ASSEMBLY
	N NC	NORTH NOISE CRITERIA	TEMP TS	TEMPERATURE TAMPER SWITCH, TEMPERATURE SENSOR
	NC	NORMALLY CLOSED	TW	THERMOMETER WELL
	NIC	NOT IN CONTRACT	TYP	TYPICAL
	NO No	NORMALLY OPEN NUMBER	UNO	UNLESS NOTED OTHERWISE
	NRS	NON-RISING STEM	V	VENT
	NTS	NOT TO SCALE	V V	VENT VOLTS
	OA	OUTSIDE AIR	V-1	VALVE IDENTIFICATION
	00	ON CENTER	VB VEL	VACUUM BREAKER VELOCITY
	OSD OS&Y	OPEN SITE DRAIN OUTSIDE SCREW & YOKE	VED	VARIABLE FREQUENCY DRIVE
			VTR	VENT THROUGH ROOF
	P PD	PUMP PRESSURE DROP	WC	WATER CLOSET
	PH	PHASE	WH	WALL HYDRANT
	PRV	PRESSURE REDUCING VALVE	WHA WPD	WATER HAMMER A <mark>RREST</mark> ER WATER PRESSUR <mark>E DRO</mark> P
	PS PSI	PRESSURE SWITCH POUNDS PER SQUARE INCH	WSFU	WATER SUPPLY FIXTURE UNIT
	PSIG	POUNDS PER SQUARE INCH -GAGE-	WT	WEIGHT

## SMYRNA REST AREA BATHROOM RENOVATIONS

## ENERAL NOTES:

3.

4.

5.

6.

7.

GENERAL NOTES ARE DISCIPLINE SPECIFIC AND APPLY TO EVERY DRAWING IN THAT DISCIPLINE. DRAWING NOTES APPLY TO ALL WORK SHOWN ON THIS DRAWING. SPECIAL NOTES APPLY TO INDIVIDUAL SITUATIONS AND EQUIPMENT.

SLOPES AND INVERT ELEVATIONS SHALL BE ESTABLISHED BEFORE ANY PIPING IS INSTALLED IN ORDER TO MAINTAIN PROPER SLOPES.

MAKE PROPER CONNECTION TO FIXTURES AND EQUIPMENT. DRAWINGS ARE SCHEMATIC AND ALL BRANCH MAINS, ELBOWS, AND CONNECTIONS ARE NOT SHOWN.

COORDINATE LOCATION OF PIPING WITH BUILDING STRUCTURE.

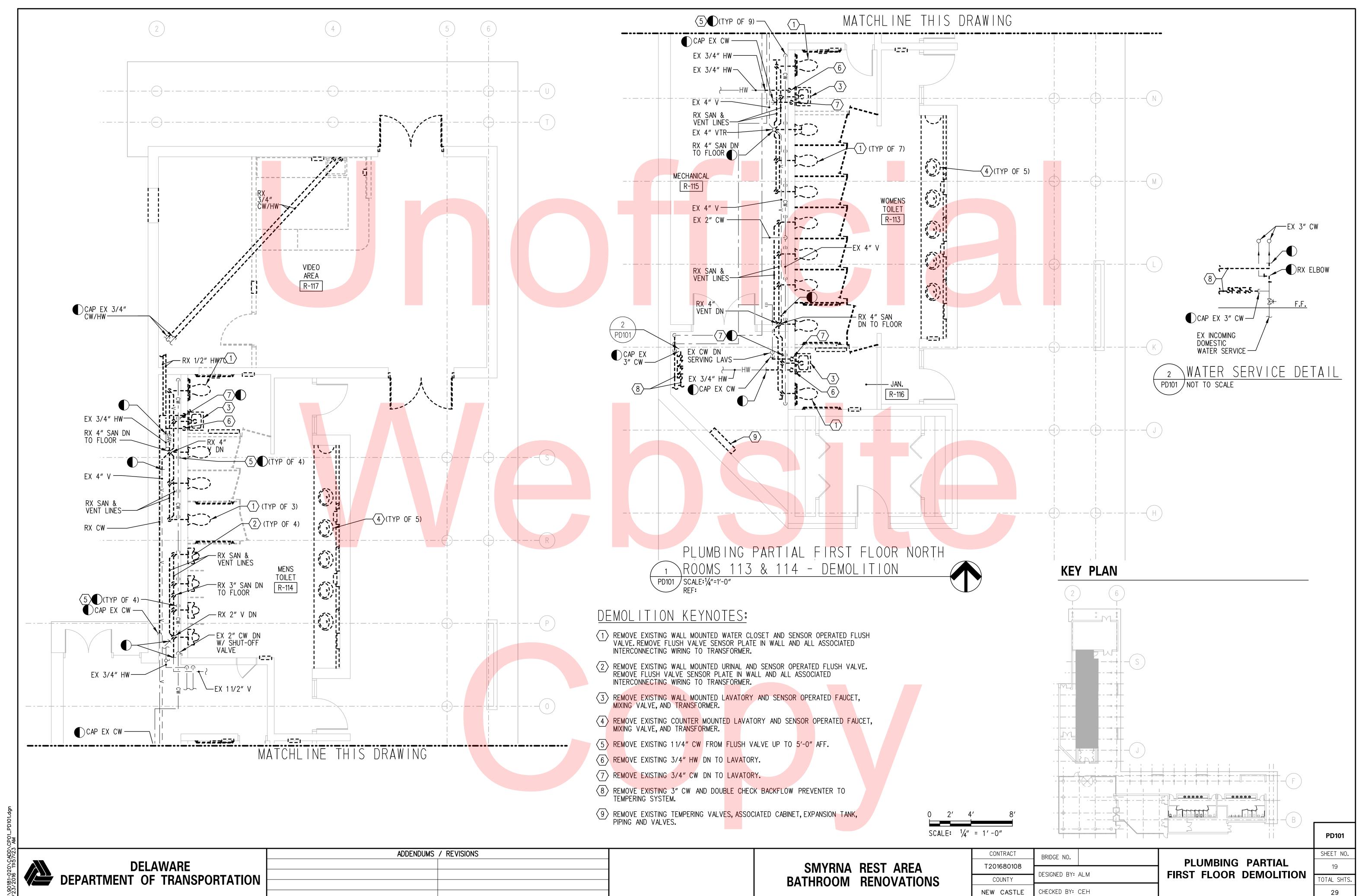
PIPING SHALL BE RUN TO AVOID CONFLICTS WITH OTHER TRADES.

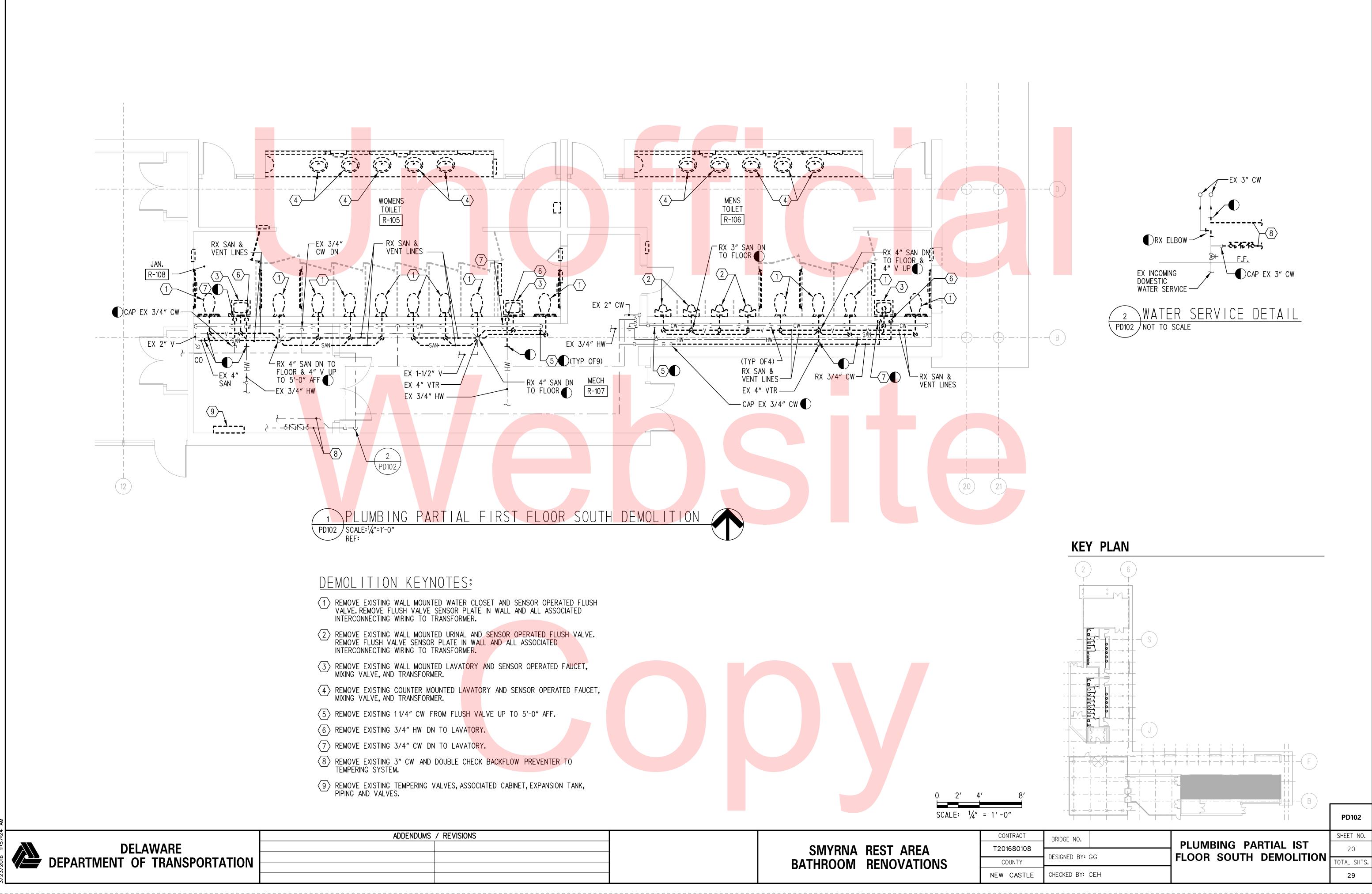
DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE.

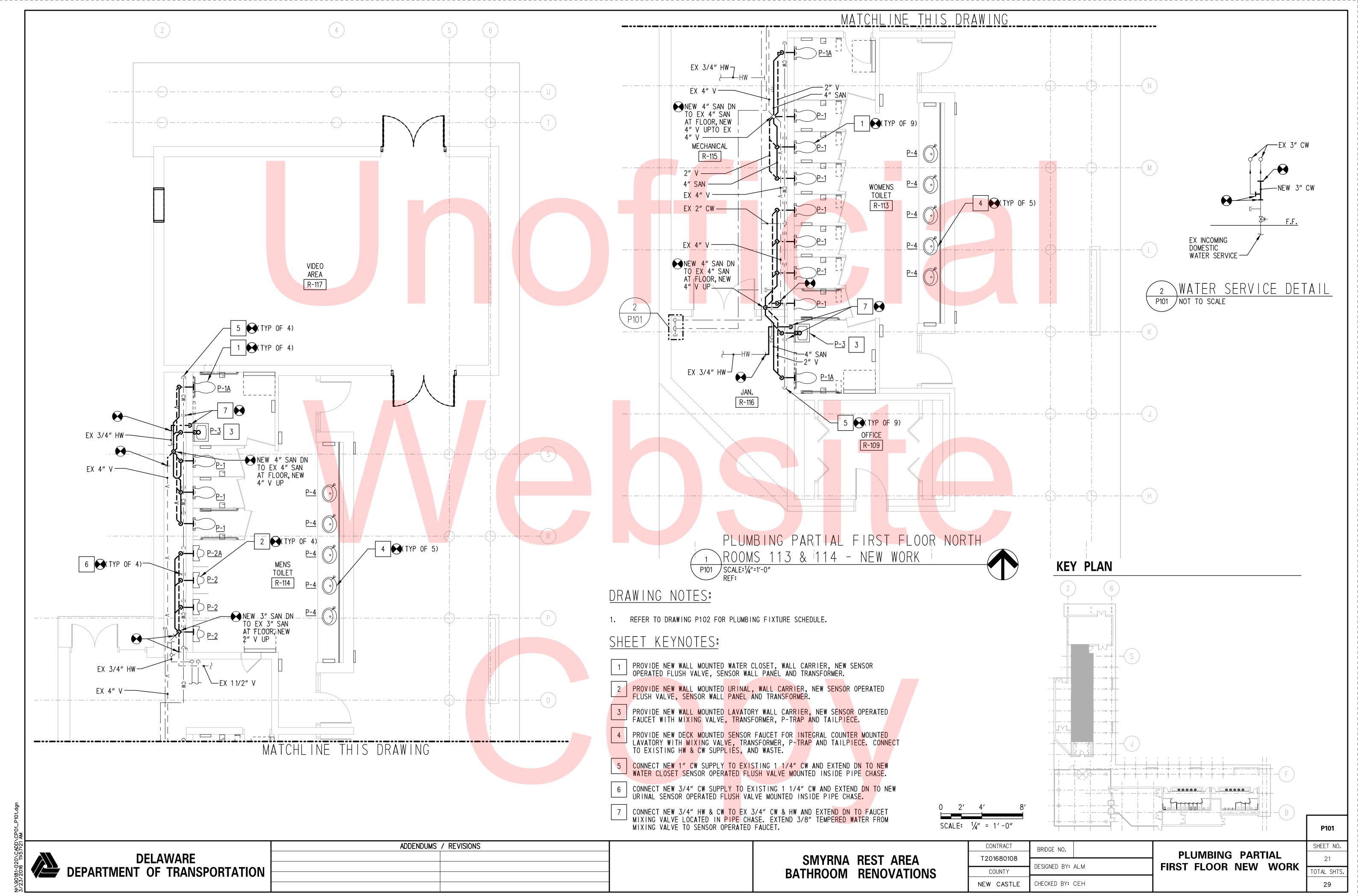
DETAILS WITHOUT SPECIFIC REFERENCE TO A LOCATION SHALL BE APPLIED TO THE GENERAL INSTALLATION OF PIPES.

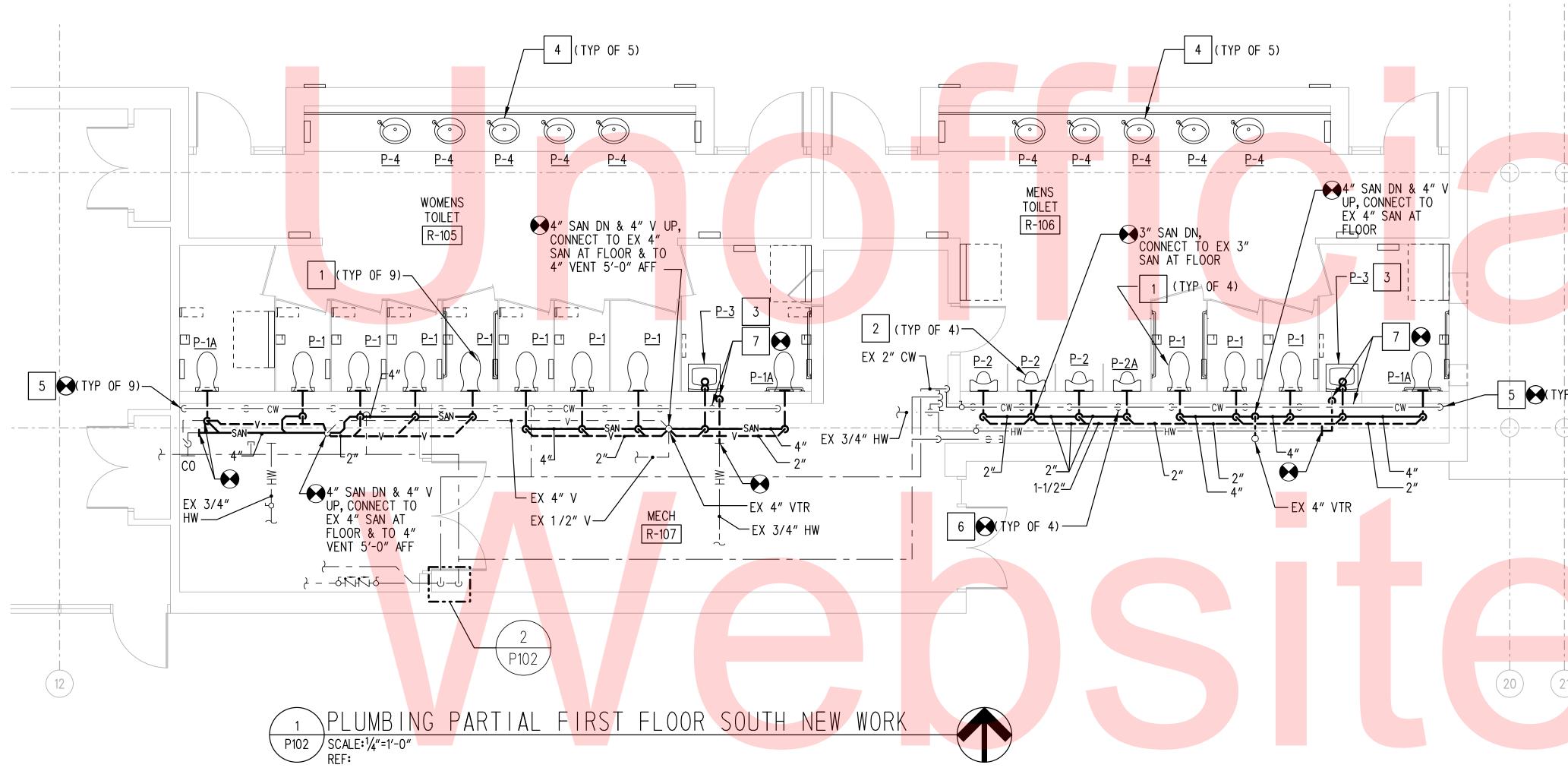
CONTRACT	BRIDGE NO.		SHEET NO.
T201680108		PLUMBING LEGEND,	18
1201000100	DESIGNED BY: ALM	<b>ABBREVIATIONS &amp; NOTES</b>	10
COUNTY	DESIGNED BIT ALM	ADDREVIATIONS & NOTES	TOTAL SHTS
NEW CASTLE	CHECKED BY: CEH		29

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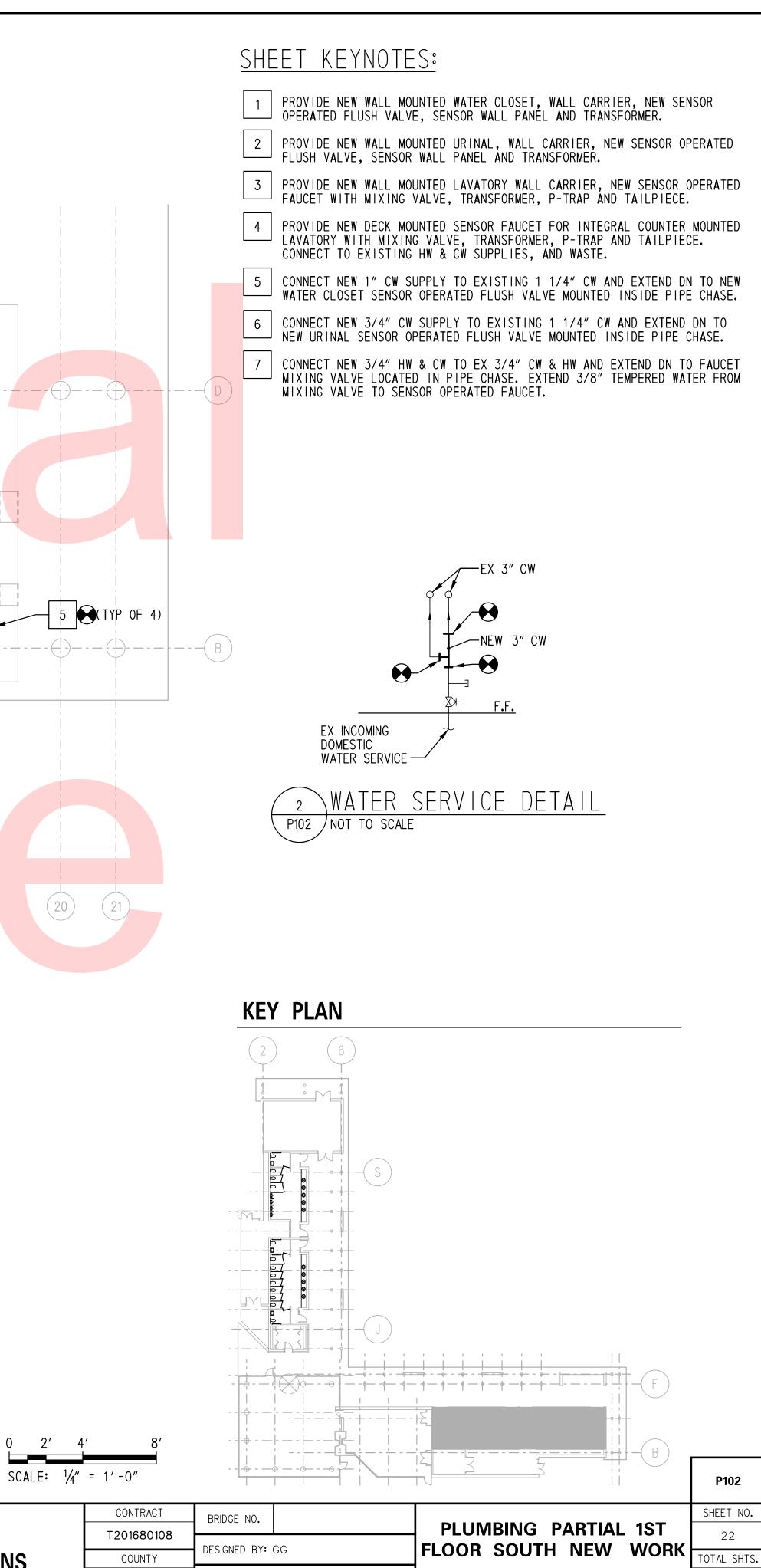




NIT ID	DESCRIPTION		CW (IN)	HW (IN)	SAN (IN)	VENT (IN)	WSFU	DFU	REMARKS	BASIS OF DESIGN
² –1	WATER CLOSET WALL MOUNTED		1	-	4	2	10	4	NOTE 1	KOHLER KINGSTON, K-4323
P-1A	WATER CLOSET WALL MOUNTED BARRIER FR <mark>EE</mark>		1	_	4	2	10	4	NOTE 1	KOHLER KINGSTON, K-4323
-2	URINAL		3/4	-	2	1 1/2	5	2	NOTE 2	KOHLER BARDON, K-4904-ER
–2A	URINAL BARRIER FREE		3/4	-	2	1 1/2	5	2	NOTE 2	KOHLER BARDON, K-4 <mark>904-E</mark> R
P-3 P-4	LAVATORY WALL MOUNTED BARRIER FREE FAUCET FOR INTEGRAL COUNTER TOP LAVATORY BAR <mark>RIER</mark>		1/2 1/2	1/2 1/2	1 1/2	1 1/2 1 1/2	2	2	NOTE 3 NOTE 3	KOHLER KINGSTON, K-2007 CHICAGO HYTRONIC, 116.103.AB.1
TES: CONCE CONCE HARD	EALED HARD WIRED SENSOR OPERATED FLUSH VALVE (1. EALED HARD WIRED SENSOR OPERATED FLUSH VALVE (0. WIRED SENSOR OPERATED FAUCET (0.5 GPM) W/ MIXIN	.28 GPF) .125 GPF G VALVE.	EXTEND	3/8" TEMI	PERED WAT	ER SUPPL	Y FROM	M MIX	ING VALVE TO	FAUCET.

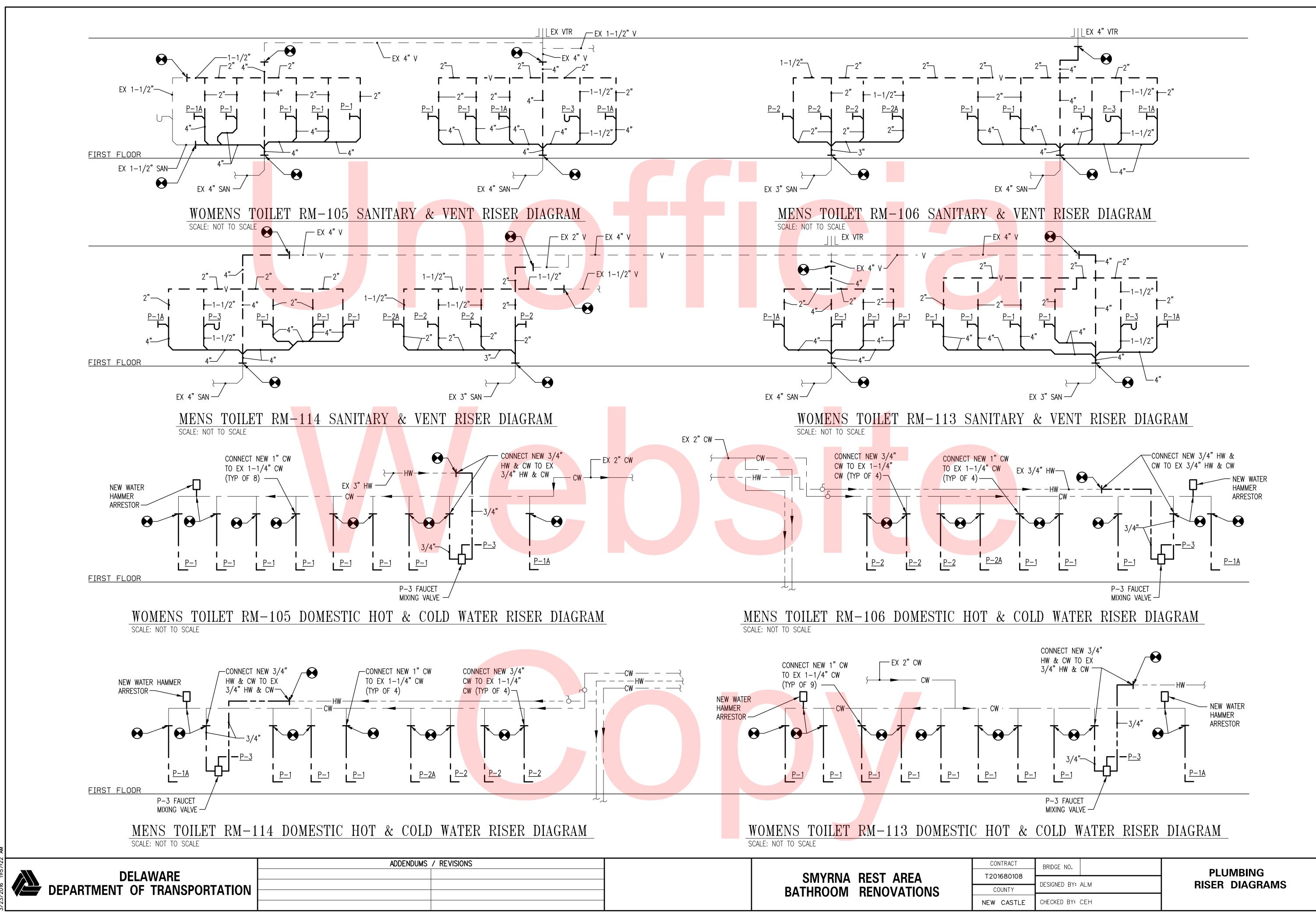
D	ELA	WARE
DEPARTMENT	OF	WARE TRANSPORTATION

ADDENDUMS	/	REVISIONS



SMYRNA	REST AREA
BATHROOM	RENOVATIONS

NEW CASTLE CHECKED BY: CEH





P103 SHEET NO. 23 TOTAL SHTS. 29

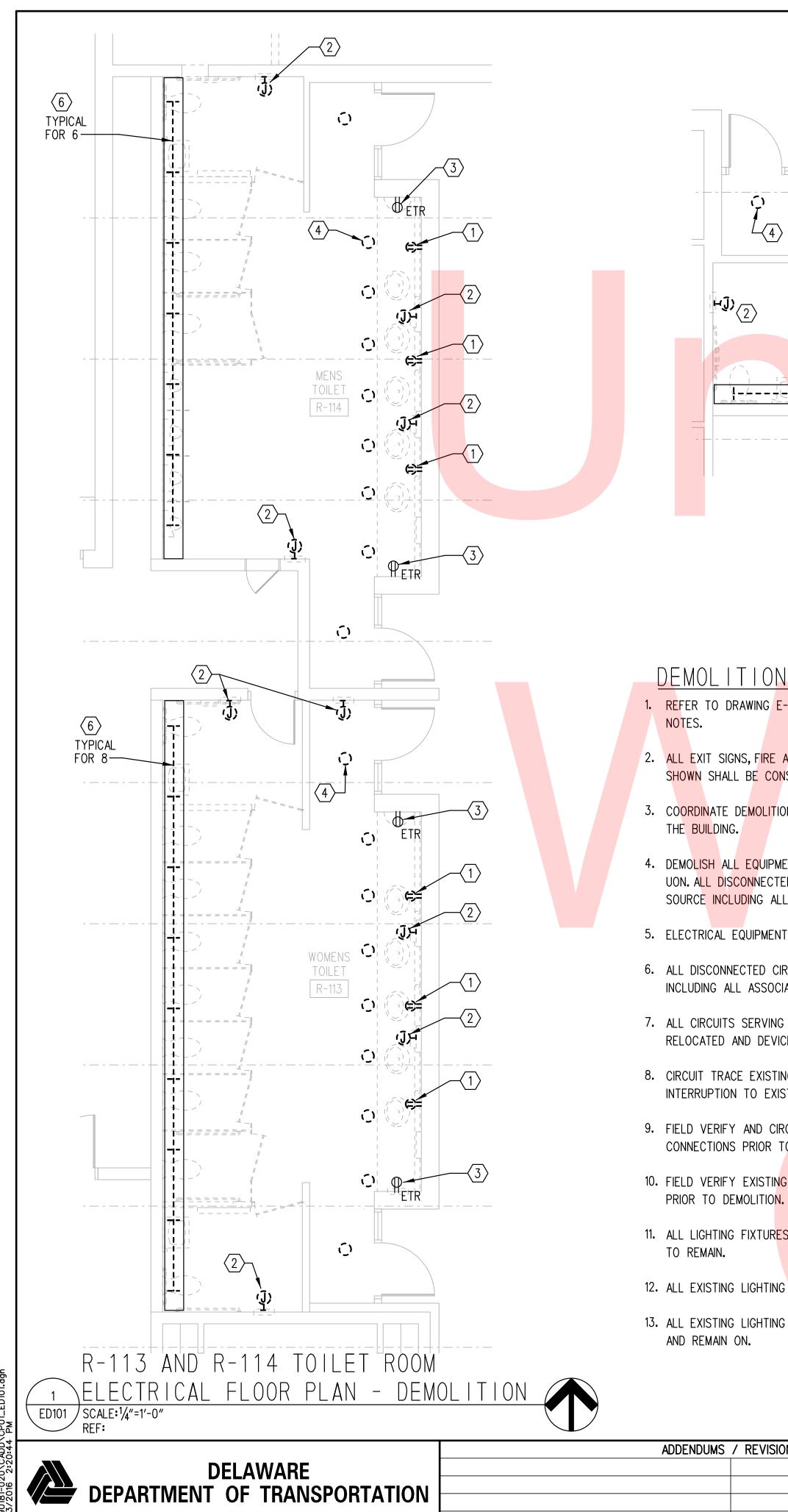
	<u>ELECT</u>	<u>RICAL LEGEND</u>		
Image: Source way     Soure	LIGHTING	DUCTBANK	A AMPERES ICCB	
<ul> <li>Martin D. C. M. BART, M. M. BART, M. M.</li></ul>				
□     Max MARK FORF     Mark FORF<	⊷→ STRIP TYPE LIGHTING FIXTURE,		AHU AIR HANDLING UNIT JB	JUNCT
<ul> <li>Charlen LA, Le JA, Kallen L, Ballen L, Bal</li></ul>	O DOWN LIGHTING FIXTURE		RMS AMPS) KAIC	THOUS
<ul> <li>Constant of Port and the second of Portand of Port and the second of Port and</li></ul>			ANNUN ANNUNCIATOR	KILOV( KILOV(
STUCKS     ALL NE WALL AN UNDER AND THE ADDRESS     ALL NE WALL AN UNDER ADDRESS     ALL NE WALL AND UNDER ADDRESS			ATC AUTOMATIC TEMPERATURE CONTROL ATS AUTOMATIC TRANSFER SWITCH	
<ul> <li>MILLING</li> <li>MILLING</li></ul>		"A" DENOTES EXISTING TO BE REMOVED U.N.O.	AUX AUXILIARY LP	LIGHTI
<ul> <li>And A Lue AL AND A MARCE MARCE TO THE ALL AND A MARCE ALL AND A M</li></ul>		DUCIDANK SECTION, LOUKING IN DIRECTION OF ARROWS	BCSD BARE COPPER SOFT DRAWN LS	LIMIT
<ul> <li>More Mark Markel (2000)</li> <li>More Markel</li></ul>	S SINGLE POLE SWITCH, 20A, 120-277V	HEAVY LINE INDICATES BOTTOM OF DUCTBANK	BFI BLOWN FUSE INDICATOR	
Image: Provide and a data watch         Image: Provide and Provide And A data watch         Image: Provide and Provide And A data watch         Image: Provide And A data watch			BFG BELOW FINISHED GRADE M/C BLDG BUILDING MCB	
Control of the state o		WIDINC	BKR BREAKER MCCB	MOLDE
DEDEPTICLES     Include to the number of points     Include to the number of	C OCCUPANCY SENSOR PROVIDE POWER PACK AS REQUIRED. C SUBSCRIPT INDICATES MOUNTING TYPE, C = CEILING, W = WALL		C CONDUIT MCP CB CIRCUIT BREAKER MH	MOTO MOUN
ENDERTINGES     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0		HPA AND NUMERALS IDENTIFY CIRCUIT NUMBERS. ARROWS DENOTE NO.	CABLE RUN NUMBER AS INDICATED.	MINIMU
<ul> <li>Hor THE MARKEN 15, 72 KE THE MARK 15, 72 KE THE MARK 17 HAR AND 15 KE THE MARKEN 15 THE MARK 16 AND 15 KE THE MARK 16</li></ul>	RECEPTACLES			MOTO
<ul> <li>Hor THE MARKEN 15, 72 KE THE MARK 15, 72 KE THE MARK 17 HAR AND 15 KE THE MARKEN 15 THE MARK 16 AND 15 KE THE MARK 16</li></ul>	↔ SINGLE RECEPTACLE, 20A, 125V AC, MOUNTED 1'-6" AFF (UON)	NUMBER OF CONDUCTORS AS REQUIRED. PROVIDE SEPARATE NEUTRALS	CP CONTROL PANEL CPT CONTROL POWER TRANSFORMER MTD	MOTO
DEC CONTROL DET DUE LO, 20. 20. 20. 20. 20. 20. 20. 20. 20. 20.		UK		MOUN
OPE     Sector Control Mark 198, 209, 2014, 2014 199, 199, 2014, 2014 199, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 2014, 199, 201	➡ DUPLEX CONVENIENCE RECEPTACLE, 20A, 125V AC, MOUNT 1'-6" AFF			NATIO
No.     Matche day Set 2001     Matche day Set 2001 <t< td=""><td>(UON)</td><td>EXPOSED CONDUIT RUN AS INDICATED.</td><td></td><td>ASSO</td></t<>	(UON)	EXPOSED CONDUIT RUN AS INDICATED.		ASSO
<ul> <li>AND DEFINITION TO THE ADDRESS OF THE</li></ul>	$\mathbf{v}$	CONDUIT TURNED UP	O/D OUTDOOR NO	NORM/
Index 1 or Discrimination of the Construction of	➡G DUPLEX CONVENIENCE RECEPTACLE 20A, 125V AC, SUBSCRIPT "G"	CONDUIT TURNED DOWN	DN DOWN NC DP DISTRIBUTION PANEL NIC	NORM/ NOT I
is # 1 CAD     CONTROL DEVICES     is is information		G GROUNDING CONDUCTOR (BCSD)	DWG DRAWING NTS	NOT
No.1 *** #**2.00     #************************************			EC EMPTY CONDUIT ECD ELEMENTARY CONTROL DIAGRAM P	POLE
■     Automatic former part of the car			EH ELECTRIC HEATER PH	PHASE
W     REVIE LOCK: THE NEW COST     Image: Second Deck: The New Cost     <			EMH ELECTRIC MANHOLE PNL	PROGE PANEL
SAFETY SUITURED/HERAKEKS/STATUES     PACE CONT       D-10     NON-NEED SCINET STATUES     PACE CONT       D-11     NON-NEED SCINET STATUES     PACE CONT       D-12     NON-NEED SCINET STATUES     PACE CONT       D-13     NON-NEED SCINET STATUES     PACE CONT       D-14     NON-NEED SCINET STATUES     PACE CONT       D-15     NON-NEED SCINET STATUES     PACE CONT       D-14     NON-NEED SCINET STATUES     PACE CONT       D-15     NON-NEED SCINET STATUES     PACE CONT       D-16     NON-NEED SCINET SCINET STATUES     PACE CONT       D-16     NON-NEED SCINET S		FLOW SWITCH	ENCL ENCLOSURE E/O ELECTRICALLY/OPERATED PT	PRESS
□     AND RUBBLY CONTROL     AND RUBBLY CONTROL     PACELHOARDS     PACELHOARDS       □     NUMBER CONTROL     SUBJECT SAFET     PACELHOARDS     PACELHOARDS       □     NUMBER CONTROL     SUBJECT SAFET     PACELHOARDS     PACELHOARDS       20     MAD RUBBLY CONTROL     SUBJECT SAFET     PACELHOARDS     PACELHOARDS       20     MAD RUBBLY CONTROL     SUBJECT SAFET     PACELHOARDS     PACELHOARDS       20     MAD RUBBLY CONTRE SAFET     SUBJECT SAFET     PACELHOARDS     PACELHOARDS       20     MAD RUBBLY CONTRE SAFET     SUBJECT SAFET     PACELHOARDS     PACELHOARDS       20     MAD RUBBLY CONTRE SAFET     SUBJECT SAFET     PACELHOARDS     PACELHOARDS       20     MAD RUBBLY CONTRE SAFET     SUBJECT SAFET     PACELHOARDS     PACELHOARDS       20     MAD RUBBLY CONTRE SAFET     SUBJECT SAFET     PACELHOARDS     PACELHOARDS       20     MAD RUBBLY CONTRE SAFET     SUBJECT SAFET     PACELHOARDS     PACELHOARDS       20     MAD RUBBLY CONTRE SAFET     SUBJECT SAFET     SUBJECT SAFET     PACELHOARDS       20     MARKE SAFET     SUBJECT SAFET     SUBJECT SAFET     SUBJECT SAFET       20     MARKE SAFET     SUBJECT SAFET     SUBJECT SAFET     SUBJECT SAFET       20     MAD SAFET     SUBJ		DAMPER MOTOR	EQUIP EQUIPMENT PVC	
□     AND RUBBLY CONTROL     AND RUBBLY CONTROL     PACELHOARDS     PACELHOARDS       □     NUMBER CONTROL     SUBJECT SAFET     PACELHOARDS     PACELHOARDS       □     NUMBER CONTROL     SUBJECT SAFET     PACELHOARDS     PACELHOARDS       20     MAD RUBBLY CONTROL     SUBJECT SAFET     PACELHOARDS     PACELHOARDS       20     MAD RUBBLY CONTROL     SUBJECT SAFET     PACELHOARDS     PACELHOARDS       20     MAD RUBBLY CONTRE SAFET     SUBJECT SAFET     PACELHOARDS     PACELHOARDS       20     MAD RUBBLY CONTRE SAFET     SUBJECT SAFET     PACELHOARDS     PACELHOARDS       20     MAD RUBBLY CONTRE SAFET     SUBJECT SAFET     PACELHOARDS     PACELHOARDS       20     MAD RUBBLY CONTRE SAFET     SUBJECT SAFET     PACELHOARDS     PACELHOARDS       20     MAD RUBBLY CONTRE SAFET     SUBJECT SAFET     PACELHOARDS     PACELHOARDS       20     MAD RUBBLY CONTRE SAFET     SUBJECT SAFET     PACELHOARDS     PACELHOARDS       20     MAD RUBBLY CONTRE SAFET     SUBJECT SAFET     SUBJECT SAFET     PACELHOARDS       20     MARKE SAFET     SUBJECT SAFET     SUBJECT SAFET     SUBJECT SAFET       20     MARKE SAFET     SUBJECT SAFET     SUBJECT SAFET     SUBJECT SAFET       20     MAD SAFET     SUBJ	SAFETY SWITCHED/BREAKERS/STARTERS	FLOW TRANSMITTER	ER EXISTING RELOCATED RC ETR EXISTING TO REMAIN RE	REMO ^T RELOC
Lipuis     Fusce descrived: sinder sin		PANELBOARDS	EWC ELECTRIC WATER COOLER REQ'D	REQUI
28     How Child words startic, subscript words startic, subscrint words startic, subscript words startic, subscript wo	$\mathbb{E}_{3}$ FUSED DISCONNECT SWITCH, SUBSCRIPT INDICATES FUSED SIZE 2,		EX,EXIST EXISTING RM EXP EXPLOSION PROOF RMS	ROOM ROOT
SET STATER LOW SET STATE, SUBJECT INDUCATE RAVA STELL, NEAR SUBJECT SUBJECT INDUCATE RAVA STELL, NEAR SUBJEC		MISCELLANEOUS	F FUSE RTU FA FRAME AMPS RVAT	REMO
22000/3     Berkellin during water, brokkelle produktioner water, brok		1 SPECIFIC NOTE NUMBER	FA FIRE ALARM RX FAAP FIRE ALARM ANNUNCIATOR PANEL	
So Ames, 3 PoleS Vol. So Ame		1 SPECIFIC DEMO NOTE	FBO FURNISHED BY OTHERS UNDER SF	SUPPL
Since     MADE AND SANCES SANCES SANCES SANCES SANCES SANCES     Storm     Storm </td <td></td> <td>1 FEEDER SIZE</td> <td>FC FAN COIL UNIT</td> <td>NUMBE</td>		1 FEEDER SIZE	FC FAN COIL UNIT	NUMBE
VARIABLE FREQUENCY DRIVE, INDIVIDUALLY MOUNTLED.     SS     STATUS       VETOB     VARIABLE FREQUENCY DRIVE WITH EYPASS STARTER     SS     STATUS       ISS     SOLD STATE STARTER, INDIVIDUALLY MOUNTLED     SS     STATUS       VETOB     VARIABLE FREQUENCY DRIVE WITH EYPASS STARTER     SS     STATUS       ISS     SOLD STATE STARTER, INDIVIDUALLY MOUNTLED     STA     STA       VETOB     VARIABLE FREQUENCY DRIVE WITH EYPASS STARTER     STA     STA       ISS     SOLD STATE STARTER, INDIVIDUALLY MOUNTLED     STA     STA       VETOB     VARIABLE FREQUENCY DRIVE WITH EYPASS STARTER     STA     STA       ISS     SOLD STATE STARTER, INDIVIDUALLY MOUNTLED     STA     STA       VETOB     VARIABLE FREQUENCY DRIVE WITH EYPASS STARTER     STA     STA       ISS     SOLD STATE STARTER     STA     STA     STA       VETOB     VARIABLE FREQUENCY DRIVE WITH EYPASS STARTER     STA     STA       ISS     SOLD STATE STARTER     STA     STA     STA       VETOB     VARIABLE FREQUENCE     STA     STA     STA       VETOB     VARIABLE FREQUENCE     STA     STA     STA       VETOB     VETOB     VETOB     STA     STA     STA       VETOB     MOTOR     VETOB     VETOB     STA <td></td> <td></td> <td>FL FLOOR SOPN FLEX FLEXIBLE SPPS</td> <td>SPACE SOUNE</td>			FL FLOOR SOPN FLEX FLEXIBLE SPPS	SPACE SOUNE
VEDBP     variable FREquency Drive with evhass starter     STA     STAT     STAT     STAT     STAT     STAT     STAT     STAT       USD     SOLD STATE STARTER, INDIVIDUALLY NOLVED     STAT     STAT     STAT     STAT     STAT       226     ENCLOSED CRCUIT BREAKER, SIZE AS INDICATED     MADI-     DETAIL NUMBER WHERE SHOWN     G     G     GROUND     STAT     STAT       226     EQUIPMENT CONNECTION     MADI-     DRAWING NUMBER WHERE SHOWN     HIGH NITESTY DISCHARGE     SWD     SWTC       W OTOR     ED     LLCETRIC UNIT HEATER     STATE     STATE     STATE     STATE       ID     JUNCTION EOX     ED     JUNCTION EOX     STATE     STATE     STATE       ID     JUNCTION EOX     ED     JUNCTION AS NOTED     STATE     STATE       ID     DELAWARE     ADDENDUMS / REVISIONS     STATE     SMYRNA REST AREA     TO	VARIABLE FREQUENCY DRIVE, INDIVIDUALLY MOUNTED.			STAINI SAFET
225 □       ENCLOSED CIRCUIT BREAKER, SIZE AS INDICATED       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G       G	VED BP VARIABLE FREQUENCY DRIVE WITH BYPASS STARTER	DRAWING NUMBER	ST S	STATI
2200 ENCLOSED CIRCUIT BREAKER, SIZE AS INDICATED     A6.1 - DRAWING NUMBER WHERE SHOWN     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G     G	SOLID STATE STARTER, INDIVIDUALLY MOUNTED	DETAIL NUMBER	DT2 CT	SHIELI
EQUIPMENT CONNECTION       MANDPOLE       HANDPOLE       HANDPOLE       SWED       SWED <td>225 ZOO ENCLOSED CIRCUIT BREAKER, SIZE AS INDICATED</td> <td>A6.1 DRAWING NUMBER WHERE SHOWN</td> <td></td> <td>Shieli Solid</td>	225 ZOO ENCLOSED CIRCUIT BREAKER, SIZE AS INDICATED	A6.1 DRAWING NUMBER WHERE SHOWN		Shieli Solid
Ø     MOTOR     HP     HORSEPOWER HERTES     SYM     SYM     SYM     SYM     SYM     SYS     SYM       ID     ELECTRIC UNIT HEATER     HZ     HERTZ     HZ     HERTZ     SYS     SYS       ID     Q     JUNCTION BOX     E     E     E     E     E     E     E     E     E     E     E     E     E     E     E     SMYRNA REST AREA     T	EQUIPMENT CONNECTION		HH HANDHOLE HOA HAND OFF AUTOMATIC SWBD SWBR	SWITC SWITC
Image: model   Image: model <td></td> <td></td> <td>HP HORSEPOWER HPS HIGH PRESSURE SODIUM SYS</td> <td>SYMM</td>			HP HORSEPOWER HPS HIGH PRESSURE SODIUM SYS	SYMM
Image: Declaration box   Image: Declaration box   Image: Declaration box   ADDENDUMS / REVISIONS     Image: Declaration box     Image: Declaratio			HIGH VOLTAGE	
E © EQUIPMENT CONNECTION AS NOTED     ADDENDUMS / REVISIONS     DELAWARE     SMYRNA REST AREA     T2				
ADDENDUMS / REVISIONS SMYRNA REST AREA				
DELAWARE SMYRNA REST AREA				
		ADDENDUMS / REVISIONS		
	DELAWARE DEPARTMENT OF TRANSPORTATION		SMYRNA REST AREA BATHROOM RENOVATIONS	T:

### ABBREVIATIONS ATED CASE CIRCUIT BREAKER TRIP AMPS TA TC TDD TDE TDC TDO TMH TP ISION DETECTION SYSTEM TIME CLOCK MEDIATE METALLIC CONDUIT TIME DELAY DE-ENERGIZED (OFF) TIME DELAY ENERGIZED (ON) TION BOX TIME DELAY CLOSE TIME DELAY OPEN SAND AMPERES INTERRUPTING CAPACITY TELEPHONE MANHOLE TWISTED PAIR )LT )LT AMPERE TPS TST TWISTED PAIR SHIELDED THERMOSTAT SWITCH IN AUTO-TRANSFORMER STARTER TTB/TTC TYP TÉLÉPHÔNE TERMINAL BOARD/CABINET JT TYPICAL ING AND APPLIANCE PANEL TIGHT/FLEXIBLE METAL CONDUIT UH UG UON UNIT HEATER UNDERGROUND SWITCH UNLESS OTHERWISE NOTED SWITCH HIGH UPS UNINTERRUPTIBLE POWER SUPPLY ALL FINAL CONNECTIONS VOLTS OR VOLTAGE VARIABLE FREQUENCY DRIVE V VFD CIRCUIT BREAKER ED CASE CIRCUIT BREAKER WATTS W CONTROL CENTER WIRE W CIRCUIT PROTECTOR W/ WITH ING HEIGHT WEATHERPROOF WP RIZED HOSE REEL XFMR TRANSFORMER LU<mark>GS ON</mark>LY R OPERATED DAMPER Æ CENTER LINE OXIDE Ø PHASE R STARTER PANEL AT 0 TED TING NUMBER # NAL ELECTRICAL CODE ONAL ELECTRICAL MANUFACTURER'S CIATION FUSED SAFETY SWITCH ALLY OPEN LLY CLOSED I CONTRACT T LIGHT TO SCALE .OAD OR POLES BUTTON LIGHT AMMABLE LOGIC CONTROLLER BOARD SURE SWITCH SURE SWITCH HIGH ITIAL TRANSFORMER VINYL CHLORIDE OTE CONTROL TACLE GALVANIZED STEEL MEAN SQUARE TANCE TEMPERATURE DETECTOR E TERMINAL UNIT CED VOLTAGE AUTOTRANSFORMER VE EXISTING LY FAN R POWER WIRE RUN NUMBER - SWGR BER AND UNIT NUMBER AS INDICATED ETRICAL INTERRUPTING CURRENT E OR POLE NUMBER POWERED PHONE SYSTEM LESS STEEL TY SWITCH TRIP DED TWISTED PAIR DED TWISTED PAIR OVER ALL SHIELD DED TWISTED TRIPLE NEUTRAL CHBOARD CHGEAR ETRICAL

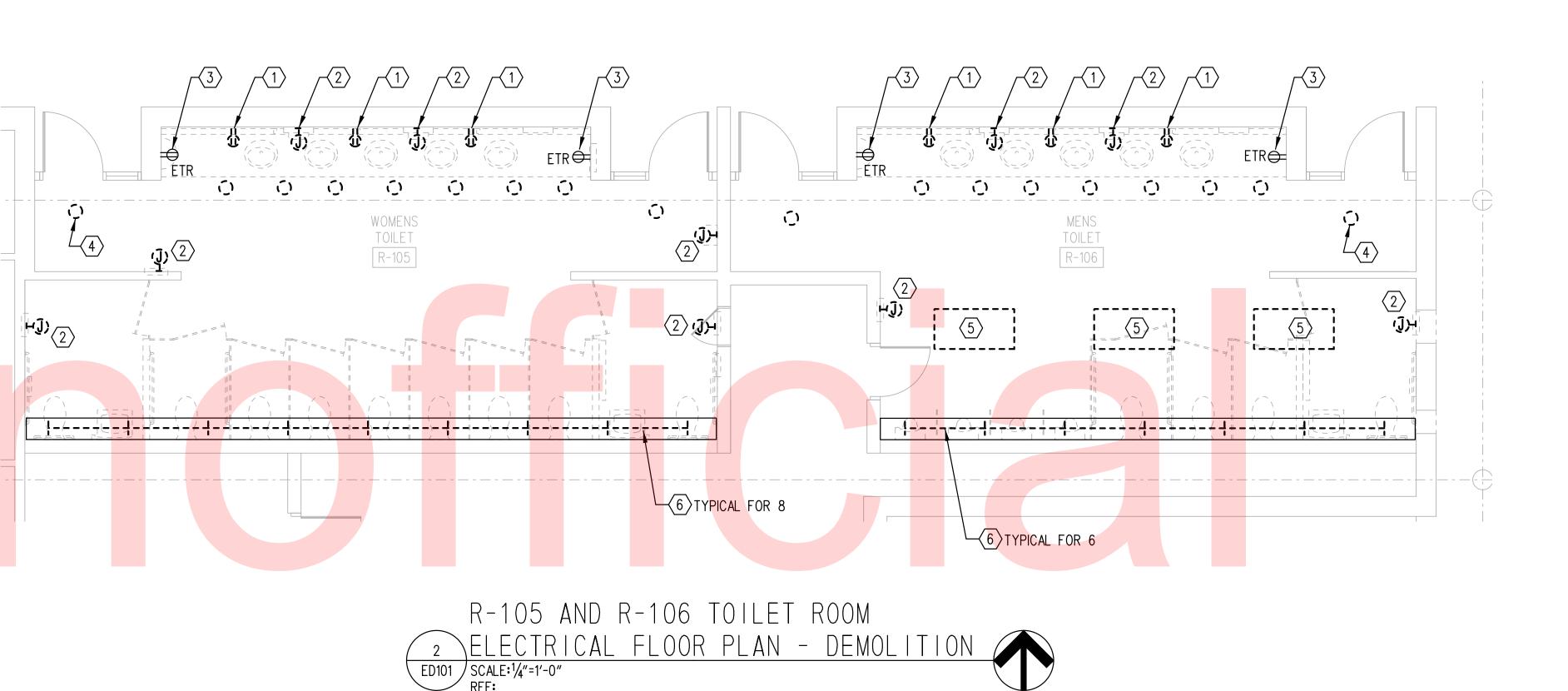
	E–001	
	SHEET NO.	
ELECTRICAL	24	
LEGEND	TOTAL SHTS.	
	29	

BRIDGE NO.

DESIGNED BY: MSM



ADDENDUMS / REVISIONS



## DEMOLITION NOTES:

- 1. REFER TO DRAWING E-001 FOR LEGEND, ABBREVIATIONS AND GENERAL
- 2. ALL EXIT SIGNS, FIRE ALARM STROBES, HEAT DETECTORS ETC. NOT SHOWN SHALL BE CONSIDERED EXISTING TO REMAIN.
- 3. COORDINATE DEMOLITION WORK WITH OTHER TRADES AND UTILITIES IN
- 4. DEMOLISH ALL EQUIPMENT AND DEVICES INDICATED WITH DASHED LINES, UON. ALL DISCONNECTED CIRCUITS SHALL BE DEMOLISHED BACK TO THEIR SOURCE INCLUDING ALL ASSOCIATED WIRING AND BOXES, UON.
- 5. ELECTRICAL EQUIPMENT LABELED WITH "ETR" ARE EXISTING TO REMAIN.
- 6. ALL DISCONNECTED CIRCUITS SHALL BE REMOVED BACK TO THEIR SOURCE INCLUDING ALL ASSOCIATED WIRING AND BOXES, UON.
- 7. ALL CIRCUITS SERVING EQUIPMENT TO REMAIN IN SERVICE SHALL BE RELOCATED AND DEVICES TO REMAIN OPERATIONAL AT ALL TIMES.
- 8. CIRCUIT TRACE EXISTING RECEPTACLES PRIOR TO DEMOLITION TO PREVENT INTERRUPTION TO EXISTING RECEPTACLE/CIRCUITS.
- 9. FIELD VERIFY AND CIRCUIT TRACE ALL EXISTING EQUIPMENT AND RECEPTACLE CONNECTIONS PRIOR TO DEMOLITION.
- 10. FIELD VERIFY EXISTING ELECTRICAL LIGHTING FIXTURES AND CONTROL DEVICES
- 11. ALL LIGHTING FIXTURES, CIRCUITS AND WIRING INDICATED "ETR" ARE EXISTING
- 12. ALL EXISTING LIGHTING FIXTURES AND CIRCUITING TO REMAIN, UON.
- 13. ALL EXISTING LIGHTING FIXTURES REMAIN ON LIFE CIRCUIT ARE UNSWITCHED

- 14. DEMOLISH ALL LIGHTING FIXTURES INDICATED WITH DASHED LINES, UON. ALL DISCONNECTED CIRCUITS SHALL REMAIN FOR CONNECTION TO NEW FIXTURES OR WIRING DEVICES INSTALLED AT SAME LOCATION.
- 15. ALL DEMOLISHED ELECTRICAL FIXTURES, EQUIPMENT, DEVICES AND WIRES SHALL BE DISPOSED OF AS DIRECTED BY THE OWNER, UON.
- 16. PROVIDE TEMPORARY CONSTRUCTION LIGHTS THROUGHOUT THE PROJECT PER OSHA STANDARD, ONCE THE DEMOLITION OF LIGHTING IS COMPLETED.

## DEMOLITION KEYNOTES:

- $\langle 1 \rangle$  EXISTING RECEPTACLE TO BE REMOVED. RETAIN EXISTING BRANCH CIRCUIT AND BACK BOX FOR NEW WORK.
- (2) HAND DRYER TO BE REMOVED. REMOVE EXISTING BRANCH CIRCUIT AND RACEWAYBACK TO SOURCE.
- $\langle 3 \rangle$  EXISTING GFCI RECEPTACLE, MOTOR RATED SWITCH AND FAN TO REMAIN.
- $\langle 4 \rangle$  EXISTING DOWNLIGHT FIXTURE TO BE REMOVED; TYPICAL FOR 9. RETAIN SWITCHED BRANCH CIRCUIT FOR INSTALLATION OF NEW FIXTURE AT SAME LOCATION.
- 5 EXISTING 2'x4' FIXTURE TO BE REMOVED. TYPICAL FOR 3. RETAIN SWITCHED BRANCH CIRCUIT FOR INSTALLATION OF NEW FIXTURE AT SAME LOCATION.
- 6 EXISTING 4 FOOT STRIP LIGHT TO BE REMOVED RETAIN BOTH NORMAL POWER SWITCHED BRANCH CIRCUIT AND ENERGY POWER UNSWITCHED BRANCH CIRCUIT FOR INSTALLATION OF NEW FIXTURES AT SAME LOCATION.

0 2' 4' SCALE:  $\frac{1}{4}'' = 1' - 0''$ 

CONTRACT

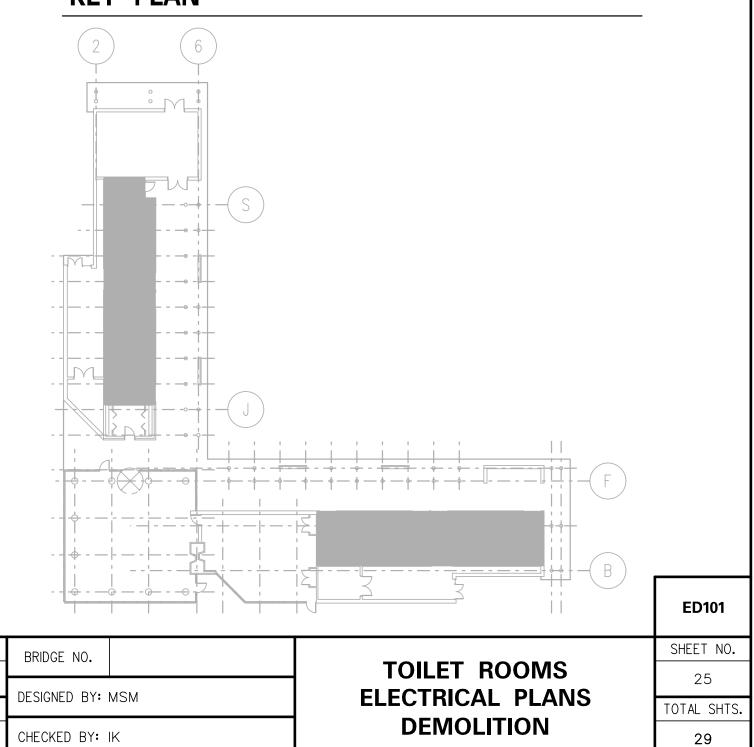
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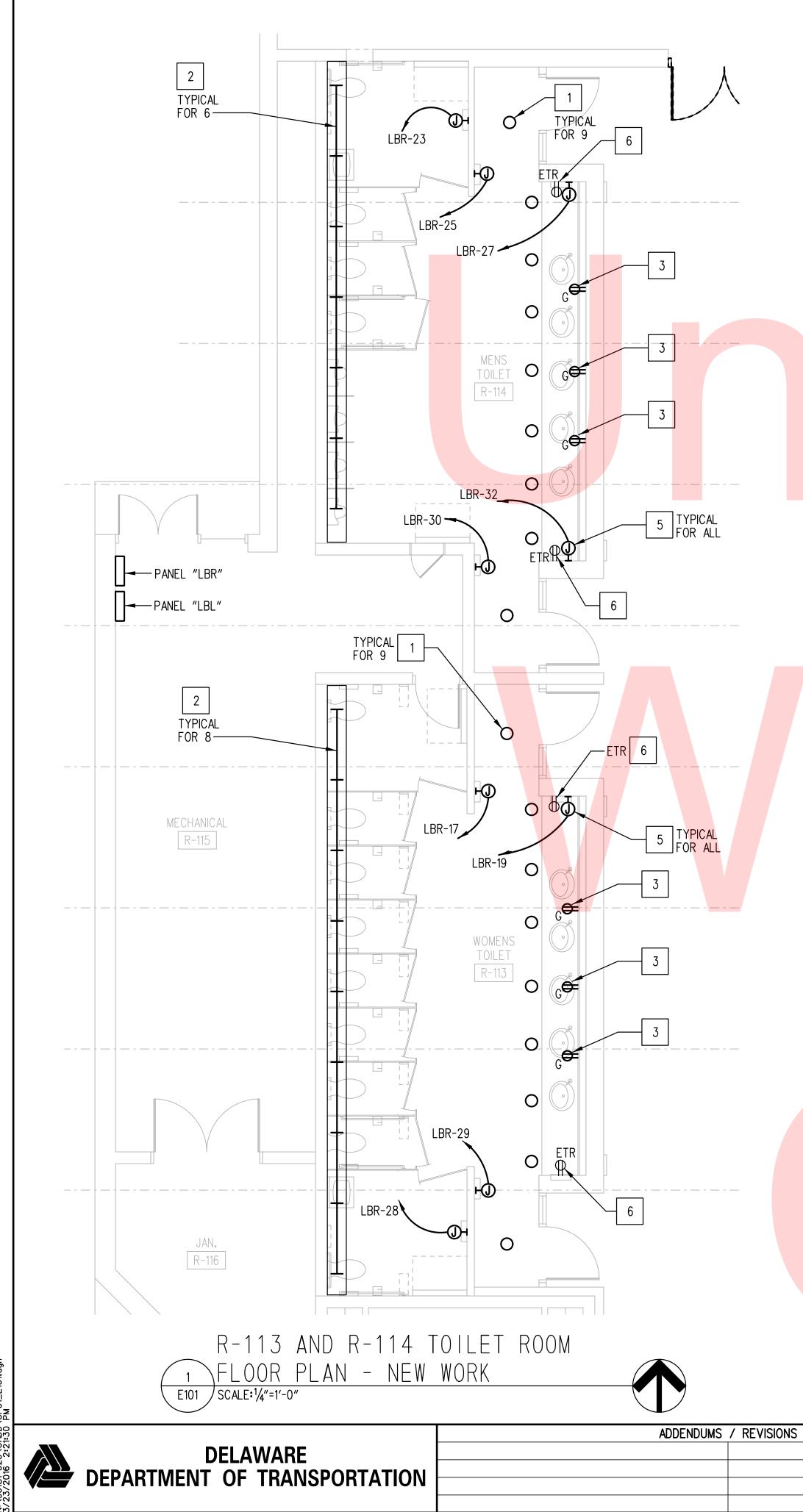
COUNTY

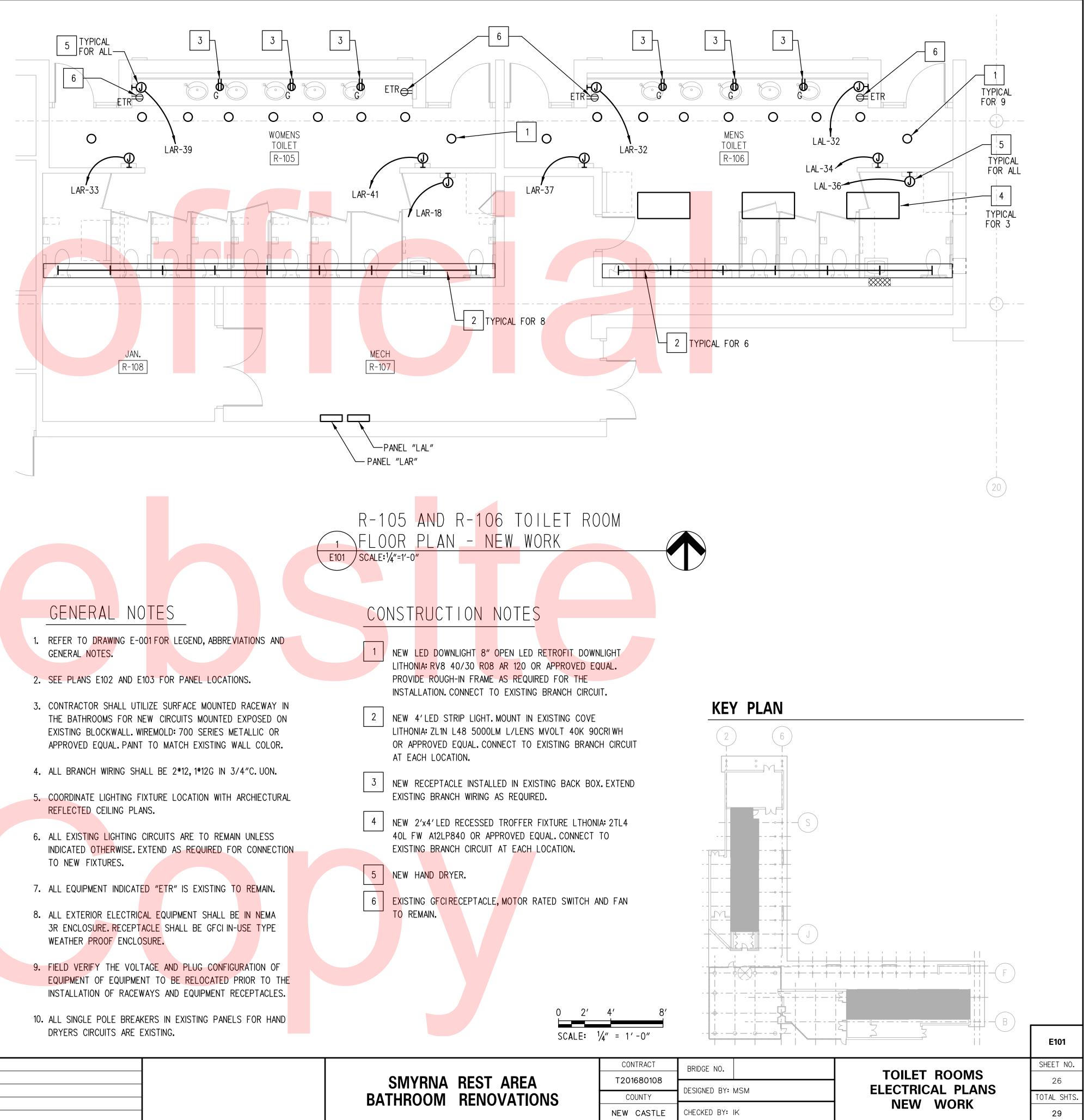
NEW CASTLE

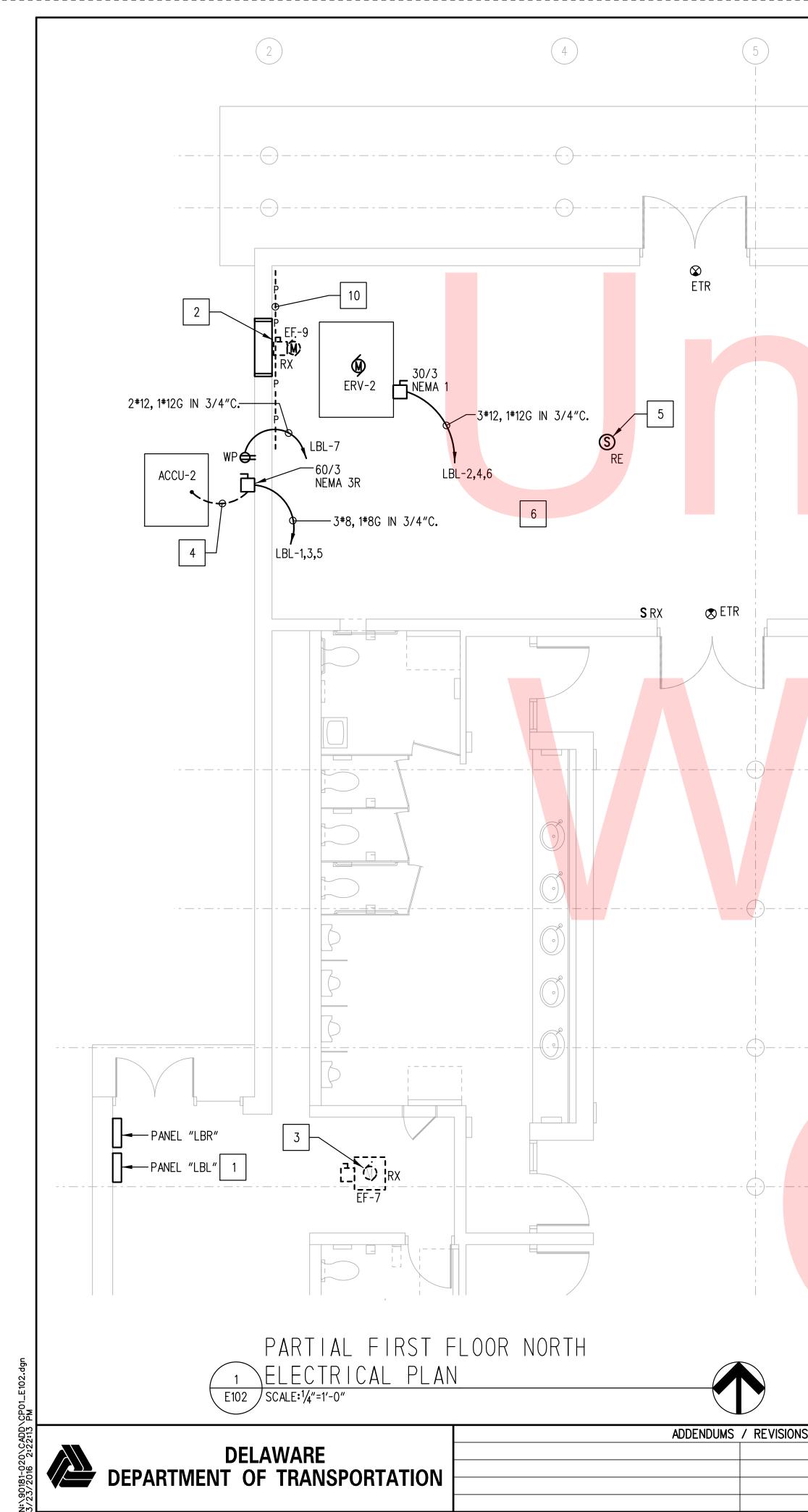
SMYRNA	<b>REST AREA</b>
BATHROOM	RENOVATIONS





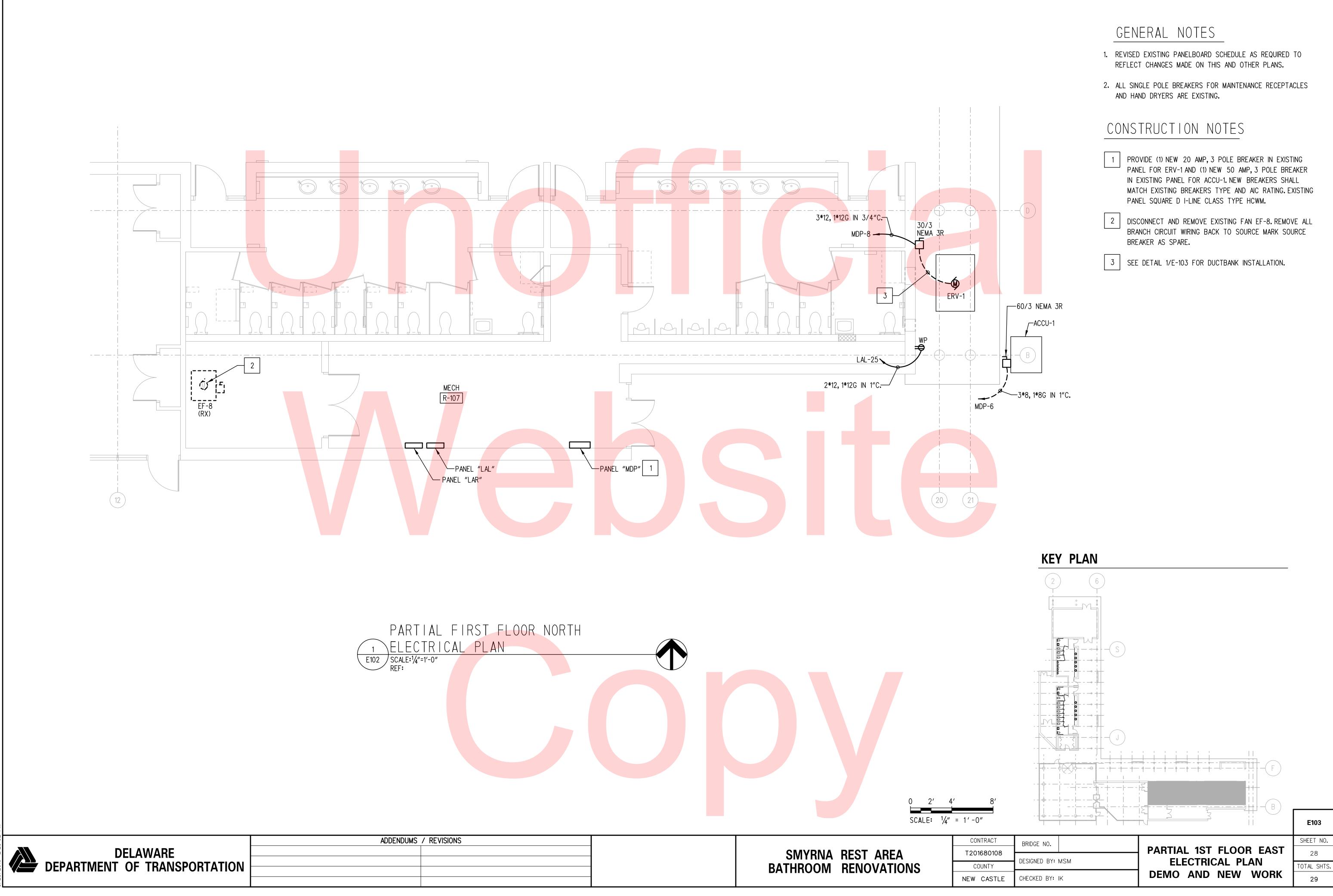






6	2	4	5 6		GENFRA	L NOTES	
					1. REVISED EXISTI	NG PANELBOARD SCHEDULE AS REFLECT CHANGES MADE ON	
						LE BREAKERS FOR MAINTENANCE	
					CONSTRL	ICTION NOTES	
	PARTIAL FI 2 LIGHTING F E102 SCALE: 1/4"=1'-0"	RST FLOOR NORTH		TYPICAL F	OR 6 PANEL FOI IN EXISTIN MATCH EX PANEL SQ 2 DISCONNEC BRANCH C BREAKER 3 DISCONNEC BREAKER 4 SEE DETAI 5 RETAIN EX REMOVE A CENTER O PROVIDE A 6 REMOVE A RETAIN EX FOR NEW 7 MODIFY EX 8 NEW (2) L FEET AFF. WGAFPV C 9 EXTEND E FIXTURE S 10 DISCONNEC	CT AND REMOVE EXISTING FAN EF-7. REMOVE ALL IRCUIT WIRING BACK TO SOURCE MARK SOURCE AS SPARE. IL 1/E-103 FOR DUCTBANK INSTALLATION. ISTING FIRE ALARM PULL STATION AND STROBE. ND RELOCATE EXISTING SMOKE DETECTOR TO F SPACE. MOUNT TO UNDER SIDE OF STRUCTURE. ADDITIONAL CABLING AND SUPPORTS FOR RELOCATIONAL CABLING AND SUPPORTS FOR RELOCATIONAL CABLING AND SUPPORTS FOR RELOCATIONAL IL RECESSED LIGHTING FIXTURES AND SWITCH ISTING LIGHTING CIRCUIT AND SWITCH BACKBOX WORK. KISTING EXIT SIGN BRACKET TO BE WALL MOUNTED AMP INDUSTRIAL FIXTURE CHAIN MOUNTED TO 10 ALITHONIA CAT * AF10 232 120 GEB101S HC36 OR EQUAL. XISTING LIGHTING CIRCUIT AND CONNECT TO NEW HOWN.	
			$0 \frac{2'}{5} \frac{4}{4'}$	· 8'			
S		SMYRNA REST BATHROOM REN		CONTRACT T201680108 COUNTY	BRIDGE NO. DESIGNED BY: MSM	PARTIAL 1ST FLOOR NORTH ELECTRICAL PLANS DEMO AND NEW WORK	S
				NEW CASTLE	CHECKED BY: IK		<u> </u>

-0"			E102
CONTRACT	BRIDGE NO.		SHEET NO.
201680108		PARTIAL 1ST FLOOR NORTH	27
COUNTY	DESIGNED BY: MSM	ELECTRICAL PLANS	TOTAL SHTS.
W CASTLE	CHECKED BY: IK	DEMO AND NEW WORK	29



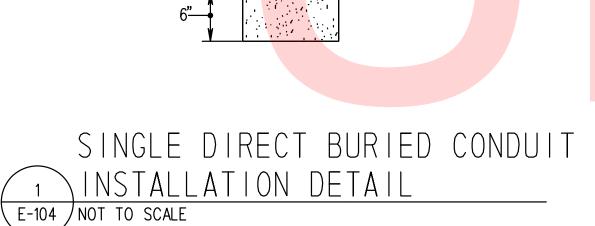
DEPAF

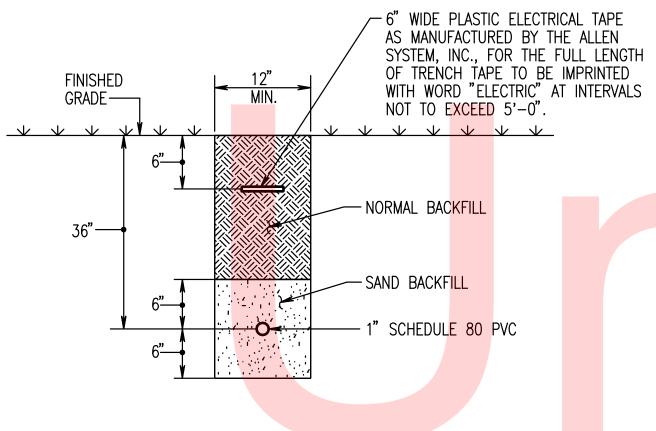
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DELAWARE DEPARTMENT OF TRANSPORTATION ADDENDUMS / REVISIONS







# CONTRACT SMYRNA REST AREA BATHROOM RENOVATIONS T201680108 COUNTY NEW CASTL

DESIGNED BY: MSM DETAILS TOTAL SHTS.								
BRIDGE NO.								
BRIDGE NO.								
BRIDGE NO.								
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BRIDGE NO.								
BRIDGE NO.     29       08     DESIGNED BY: MSM     ELECTRICAL DETAILS     29       TOTAL SHTS.							E–104	
BB     ELECTRICAL     29       DESIGNED BY: MSM     TOTAL SHTS.		BRIDGE NO.					SHEET NO.	
DESIGNED BT: MSM TOTAL SHTS.	8		MSM				29	
LE CHECKED BY: IK 29		DESIGNED BY: MSM		DETAILS			TOTAL SHTS.	
	LE	CHECKED BY: IK					29	l

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