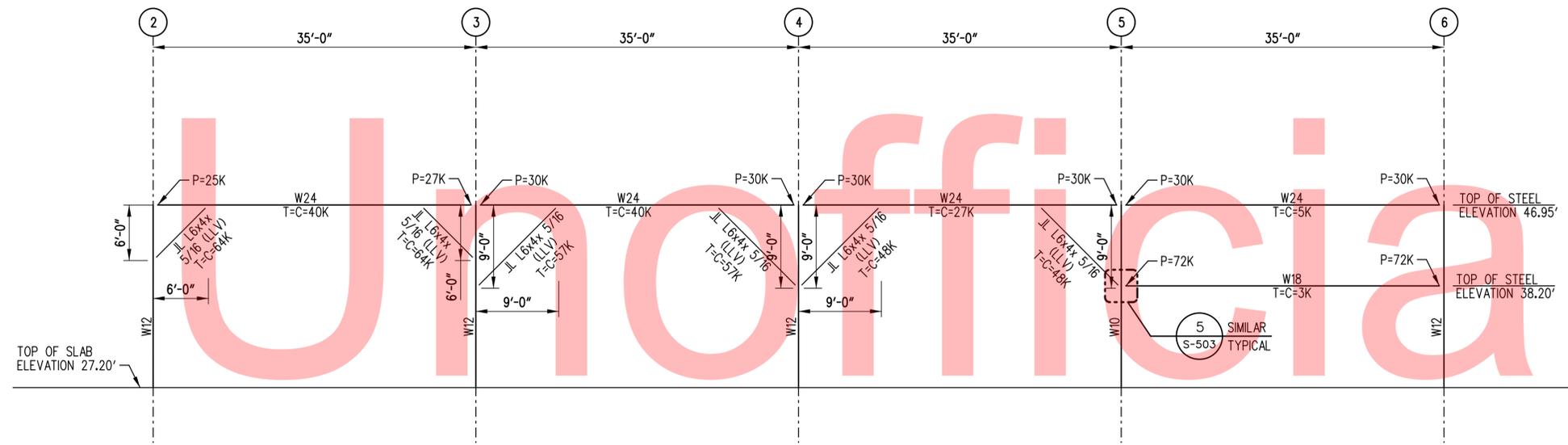
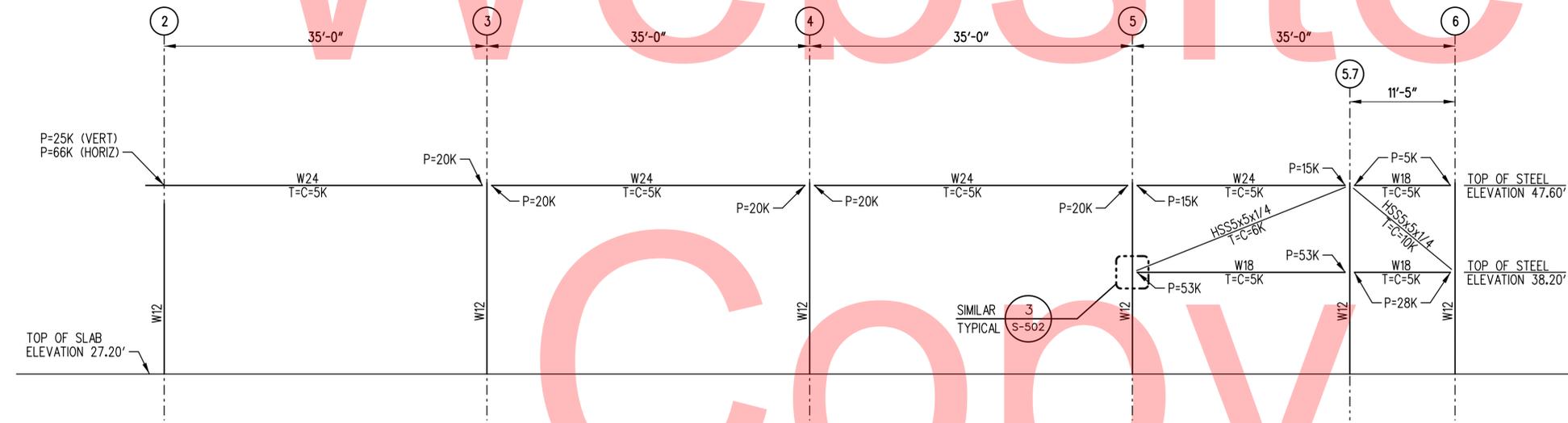


GENERAL SHEET NOTES

- REFER TO SHEET S-001 FOR GENERAL STRUCTURAL NOTES, CODES, AND LOADS.
- REFER TO SHEETS S-002 TO S-006 FOR STRUCTURAL ABBREVIATIONS AND TYPICAL DETAILS.
- REFER TO SHEETS S-601 TO S-603 FOR COLUMN SCHEDULES, BASE PLATE AND CONCRETE PEDESTAL DETAILS, AND TOP OF COLUMN ELEVATIONS.
- COORDINATE ALL STRUCTURAL WORK WITH THE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS TO LOCATE ALL ROOF AND DECK PENETRATIONS.
- CONTRACTOR TO COORDINATE REQUIRED TOP AND BOTTOM CHORD BRIDGING WITH JOIST MANUFACTURER. BRIDGING SHALL SUPPORT THE TOP AND BOTTOM CHORDS AGAINST LATERAL MOVEMENT DURING THE CONSTRUCTION PERIOD AND SHALL HOLD THE STEEL JOISTS IN THE APPROPRIATE POSITION AS SHOWN IN PLAN. THE ENDS OF THE BRIDGING LINES TERMINATING INTO BEAMS SHALL BE ANCHORED TO RESIST ALL NOMINAL FORCES FROM BRIDGING. JOIST MANUFACTURER SHALL CHECK THE ROOF SYSTEM PROVIDED FOR ADEQUACY OF SELECTED JOISTS AND PROVIDE BRIDGING AND ITS SPACING AS REQUIRED.
- LOADS ARE FACTORED AND GIVEN ON THE DRAWINGS BY THE FOLLOWING SYMBOLOLOGY:
 - T = TENSION
 - C = COMPRESSION
 - P = REACTIONS (SHEAR)
 - M = MOMENT
- CONNECTIONS AT END OF BEAMS OR GIRDERS SHALL BE DESIGNED AND DETAILED BY FABRICATOR. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- LOADS FOR INFILL BEAMS ARE AS GIVEN IN THE MEMBER LOAD SCHEDULES ON S-1XX SERIES SHEETS FOR EACH PARTIAL FRAMING PLAN.
- INDICATES A MOMENT CONNECTION.
- INDICATES THE ROOF SLOPE.



A ELEVATION ALONG COLUMN LINE E
S-202 SCALE: 1/8" = 1'-0"

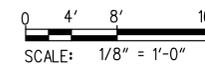


B ELEVATION ALONG COLUMN LINE F
S-202 SCALE: 1/8" = 1'-0"

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 1/27/2014 3:45:51 AM



ADDENDUMS / REVISIONS	



DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY

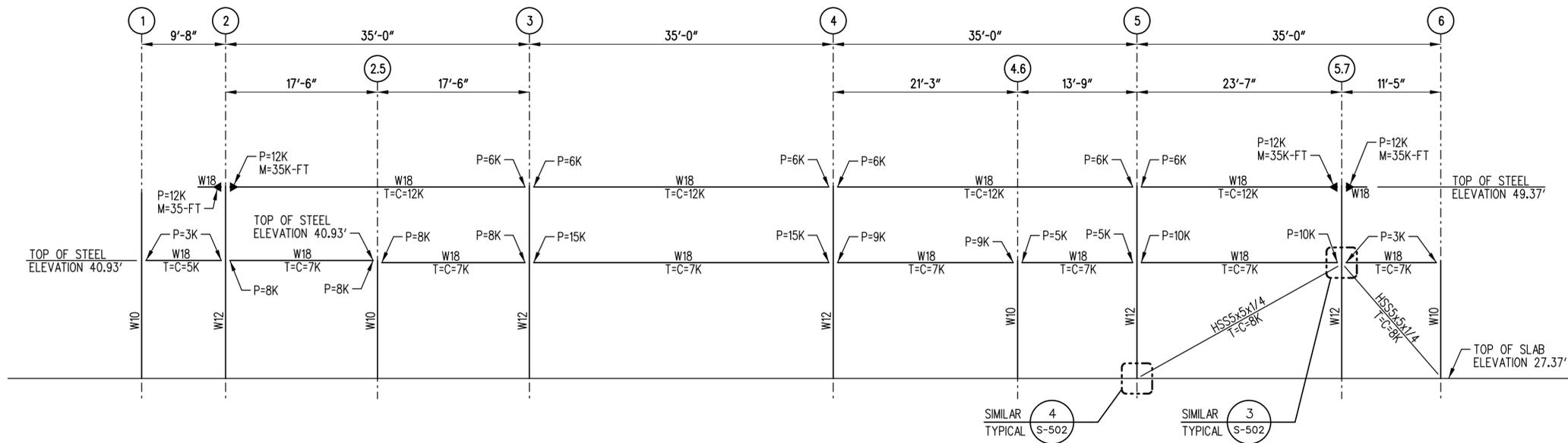
CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: GAP
	CHECKED BY: RBG

FRAMING ELEVATIONS

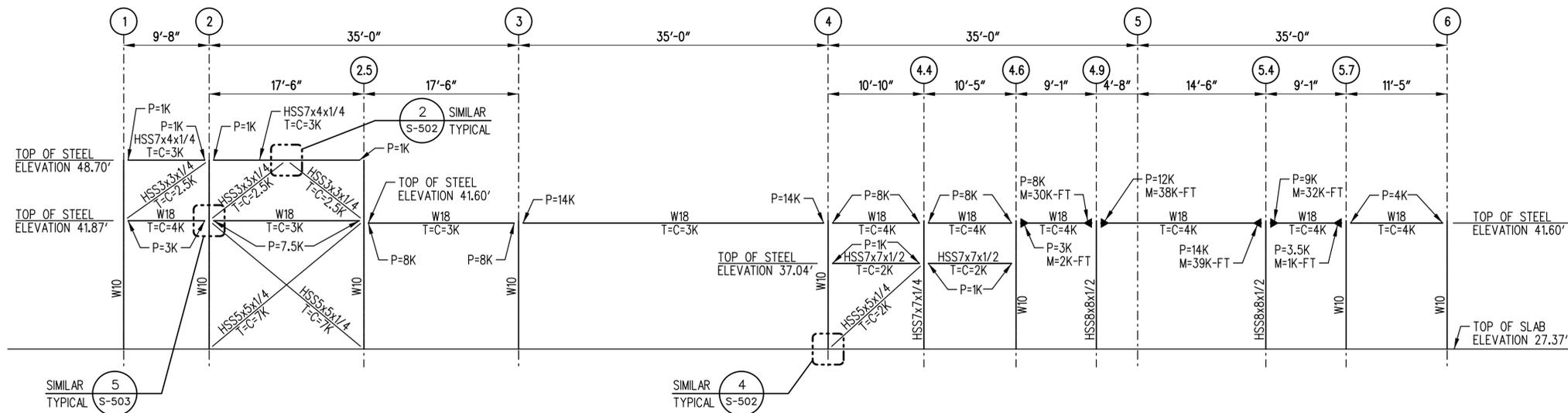
S-202
SHEET NO. 71
TOTAL SHTS. 185

GENERAL SHEET NOTES

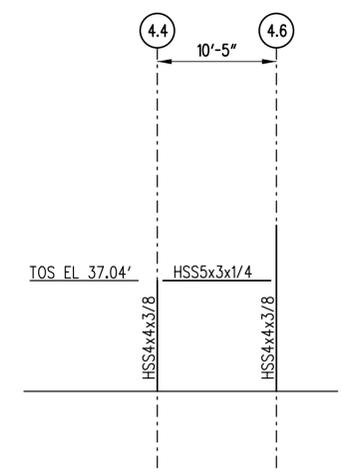
- REFER TO SHEET S-001 FOR GENERAL STRUCTURAL NOTES, CODES, AND LOADS.
- REFER TO SHEETS S-002 TO S-006 FOR STRUCTURAL ABBREVIATIONS AND TYPICAL DETAILS.
- REFER TO SHEETS S-601 TO S-603 FOR COLUMN SCHEDULES, BASE PLATE AND CONCRETE PEDESTAL DETAILS, AND TOP OF COLUMN ELEVATIONS.
- COORDINATE ALL STRUCTURAL WORK WITH THE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS TO LOCATE ALL ROOF AND DECK PENETRATIONS.
- CONTRACTOR TO COORDINATE REQUIRED TOP AND BOTTOM CHORD BRIDGING WITH JOIST MANUFACTURER. BRIDGING SHALL SUPPORT THE TOP AND BOTTOM CHORDS AGAINST LATERAL MOVEMENT DURING THE CONSTRUCTION PERIOD AND SHALL HOLD THE STEEL JOISTS IN THE APPROPRIATE POSITION AS SHOWN IN PLAN. THE ENDS OF THE BRIDGING LINES TERMINATING INTO BEAMS SHALL BE ANCHORED TO RESIST ALL NOMINAL FORCES FROM BRIDGING. JOIST MANUFACTURER SHALL CHECK THE ROOF SYSTEM PROVIDED FOR ADEQUACY OF SELECTED JOISTS AND PROVIDE BRIDGING AND ITS SPACING AS REQUIRED.
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 - M = MOMENT
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- LOADS FOR INFILL BEAMS ARE AS GIVEN IN THE MEMBER LOAD SCHEDULES ON S-1XX SERIES SHEETS FOR EACH PARTIAL FRAMING PLAN.
- INDICATES A MOMENT CONNECTION.
- INDICATES THE ROOF SLOPE.



A ELEVATION ALONG COLUMN LINE G
S-203 SCALE: 1/8" = 1'-0"



B ELEVATION ALONG COLUMN LINE H
S-203 SCALE: 1/8" = 1'-0"

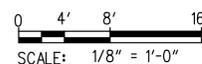


C ELEVATION ALONG COLUMN LINE H.5
S-203 SCALE: 1/8" = 1'-0"

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ADDENDUMS / REVISIONS

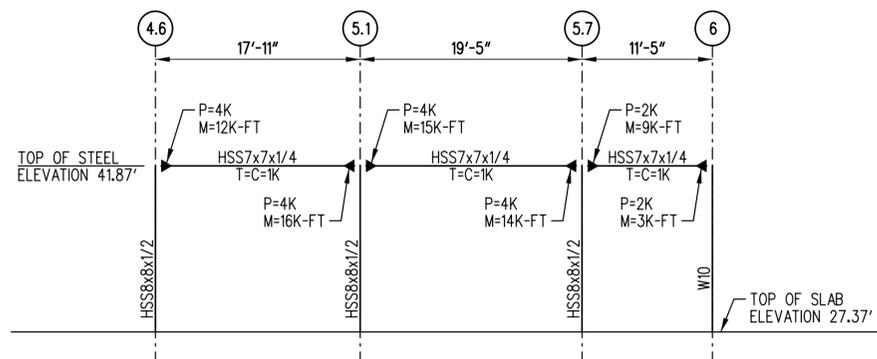


DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY

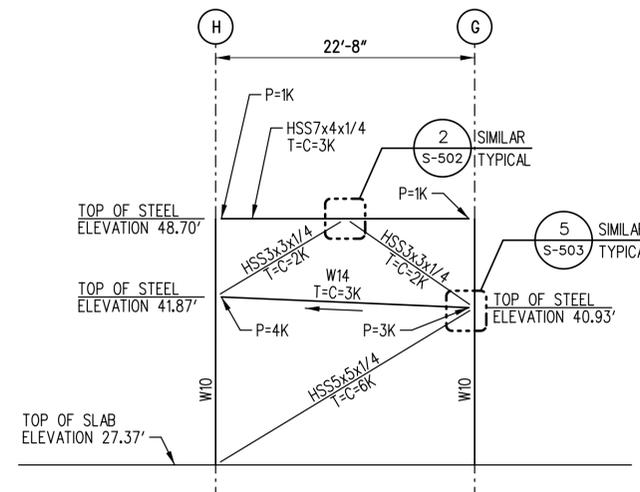
CONTRACT	T200612502
COUNTY	SUSSEX
BRIDGE NO.	
DESIGNED BY:	GAP
CHECKED BY:	RBG

FRAMING ELEVATIONS

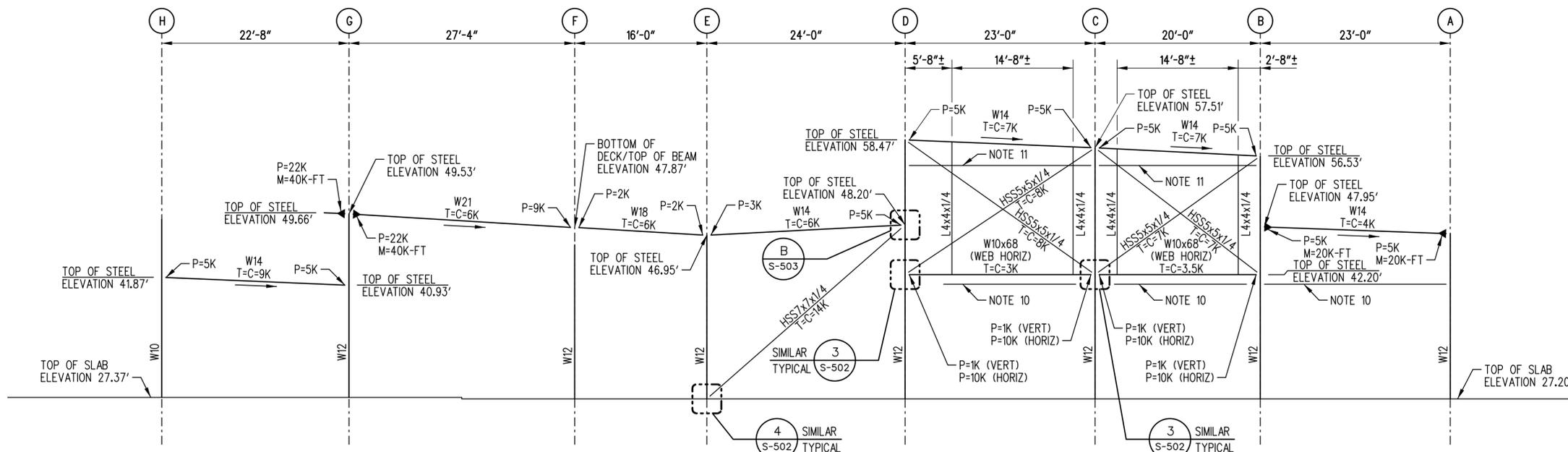
S-203
SHEET NO.
72
TOTAL SHTS.
185



A ELEVATION ALONG COLUMN LINE J
S-204 SCALE: 1/8" = 1'-0"



B ELEVATION ALONG COLUMN LINE 1
S-204 SCALE: 1/8" = 1'-0"



B ELEVATION ALONG COLUMN LINE 2
S-204 SCALE: 1/8" = 1'-0"

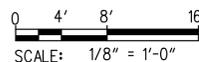
GENERAL SHEET NOTES

- REFER TO SHEET S-001 FOR GENERAL STRUCTURAL NOTES, CODES, AND LOADS.
- REFER TO SHEETS S-002 TO S-006 FOR STRUCTURAL ABBREVIATIONS AND TYPICAL DETAILS.
- REFER TO SHEETS S-601 TO S-603 FOR COLUMN SCHEDULES, BASE PLATE AND CONCRETE PEDESTAL DETAILS, AND TOP OF COLUMN ELEVATIONS.
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- LOADS FOR INFILL BEAMS ARE AS GIVEN IN THE MEMBER LOAD SCHEDULES ON S-1XX SERIES SHEETS FOR EACH PARTIAL FRAMING PLAN.
- INDICATES A MOMENT CONNECTION.
- INDICATES THE ROOF SLOPE.
- LINTEL, HSS10x8x3/8 WITH 1/2" BOTTOM PLATE (OUTBOARD OF FRAMING) TOP OF STEEL 41.87'. SEE DETAIL 1/S-503
- LINTEL, HSS10x8x3/8 WITH 1/2" BOTTOM PLATE (OUTBOARD OF FRAMING) TOP OF STEEL 55.20'. SEE DETAILS 2/S-503 AND 3/S-503.

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ADDENDUMS / REVISIONS



DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY

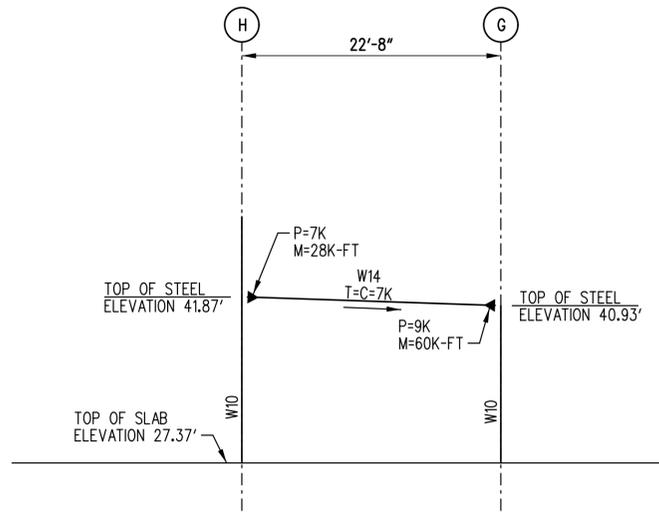
CONTRACT	BRIDGE NO.
T200612502	
COUNTY	DESIGNED BY: GAP
SUSSEX	CHECKED BY: RBG

FRAMING ELEVATIONS

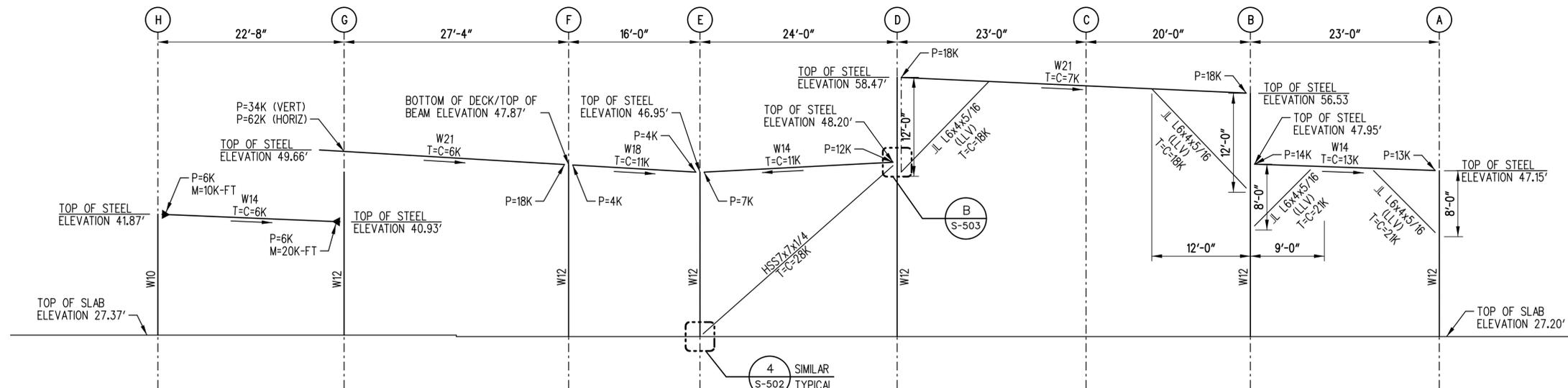
S-204
SHEET NO.
73
TOTAL SHTS.
185

GENERAL SHEET NOTES

- REFER TO SHEET S-001 FOR GENERAL STRUCTURAL NOTES, CODES, AND LOADS.
- REFER TO SHEETS S-002 TO S-006 FOR STRUCTURAL ABBREVIATIONS AND TYPICAL DETAILS.
- REFER TO SHEETS S-601 TO S-603 FOR COLUMN SCHEDULES, BASE PLATE AND CONCRETE PEDESTAL DETAILS, AND TOP OF COLUMN ELEVATIONS.
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- INDICATES A MOMENT CONNECTION.
- INDICATES THE ROOF SLOPE.



A ELEVATION ALONG COLUMN LINE 2.5
S-205 SCALE: 1/8" = 1'-0"

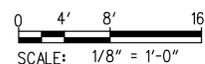


B ELEVATION ALONG COLUMN LINE 3
S-205 SCALE: 1/8" = 1'-0"

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ADDENDUMS / REVISIONS	



DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY

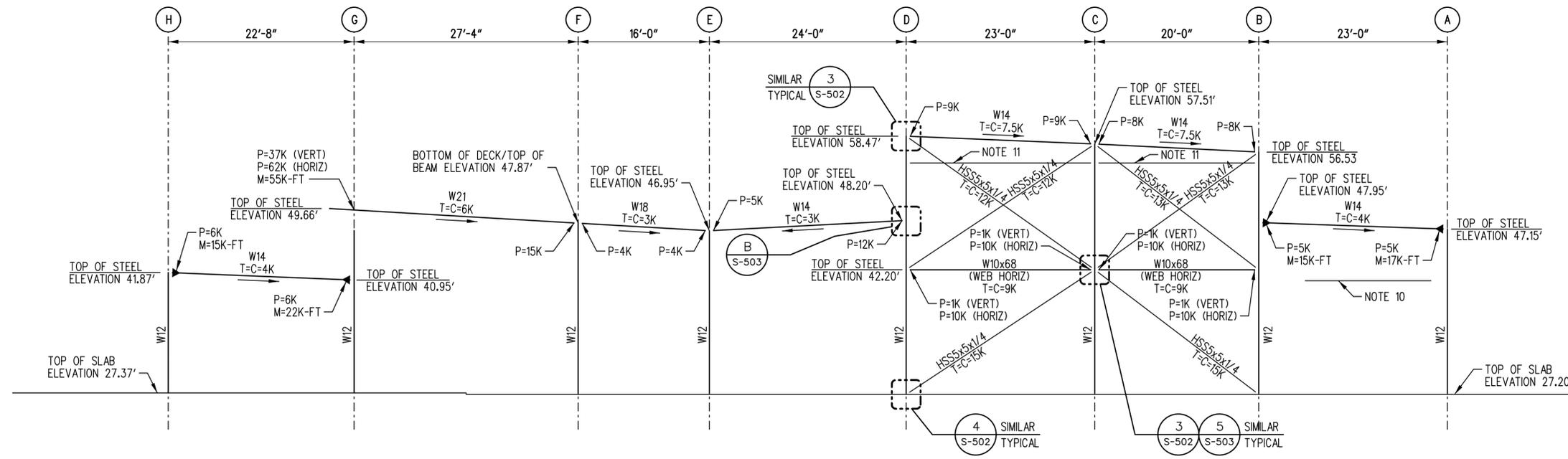
CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: GAP
	CHECKED BY: RBG

FRAMING ELEVATIONS

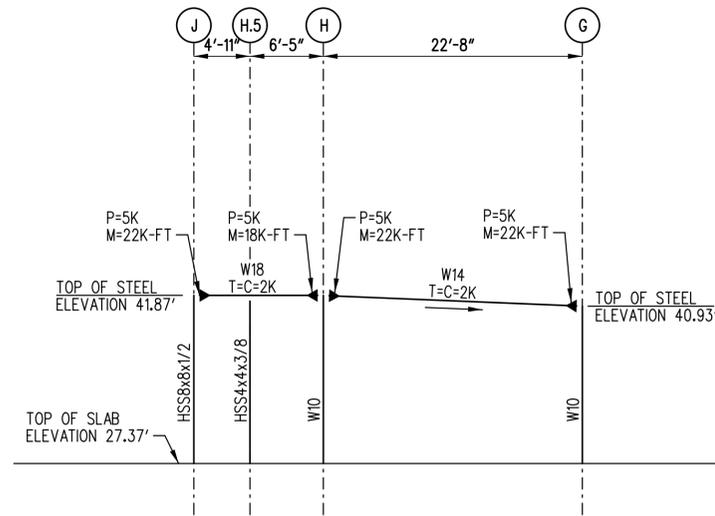
S-205
SHEET NO. 74
TOTAL SHTS. 185

GENERAL SHEET NOTES

- REFER TO SHEET S-001 FOR GENERAL STRUCTURAL NOTES, CODES, AND LOADS.
- REFER TO SHEETS S-002 TO S-006 FOR STRUCTURAL ABBREVIATIONS AND TYPICAL DETAILS.
- REFER TO SHEETS S-601 TO S-603 FOR COLUMN SCHEDULES, BASE PLATE AND CONCRETE PEDESTAL DETAILS, AND TOP OF COLUMN ELEVATIONS.
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- ◀ INDICATES A MOMENT CONNECTION.
- INDICATES THE ROOF SLOPE.
- LINTEL, HSS10x8x3/8 WITH 1/2" BOTTOM PLATE (OUTBOARD OF FRAMING) TOP OF STEEL 41.87'. SEE DETAIL 1/S-503
- LINTEL, HSS10x8x3/8 WITH 1/2" BOTTOM PLATE (OUTBOARD OF FRAMING) TOP OF STEEL 55.20'. SEE DETAILS 2/S-503 AND 3/S-503.



A ELEVATION ALONG COLUMN LINE 4
S-206 SCALE: 1/8" = 1'-0"

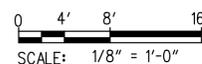


D ELEVATION ALONG COLUMN LINE 4.6
S-206 SCALE: 1/8" = 1'-0"

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ADDENDUMS / REVISIONS



DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY

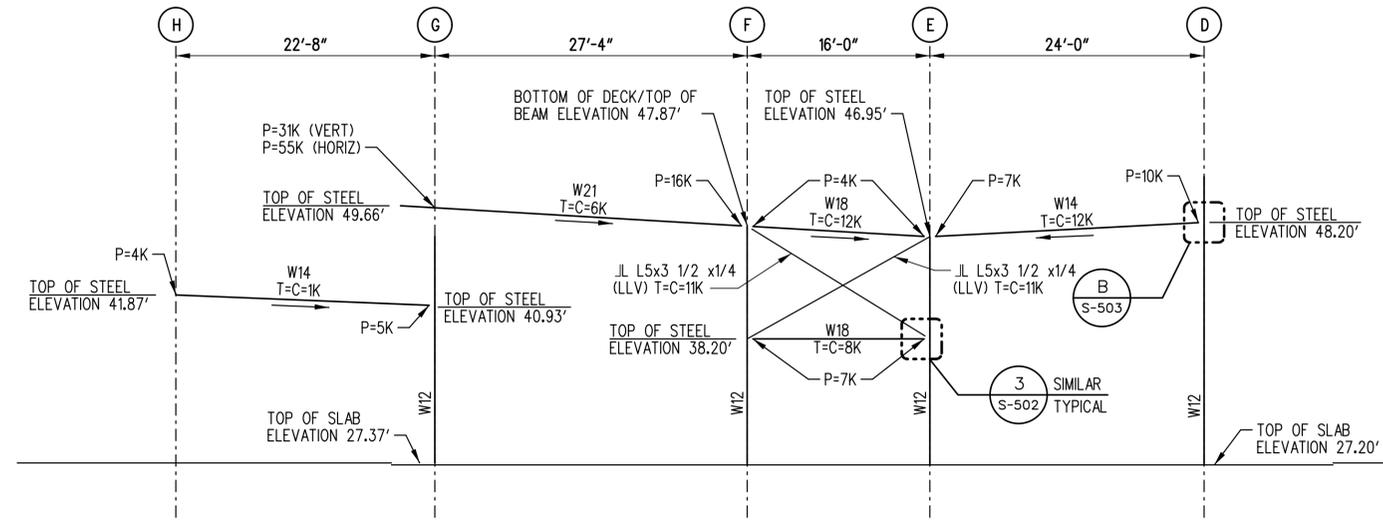
CONTRACT	T200612502	BRIDGE NO.	
COUNTY	SUSSEX	DESIGNED BY:	GAP
		CHECKED BY:	RBG

FRAMING ELEVATIONS

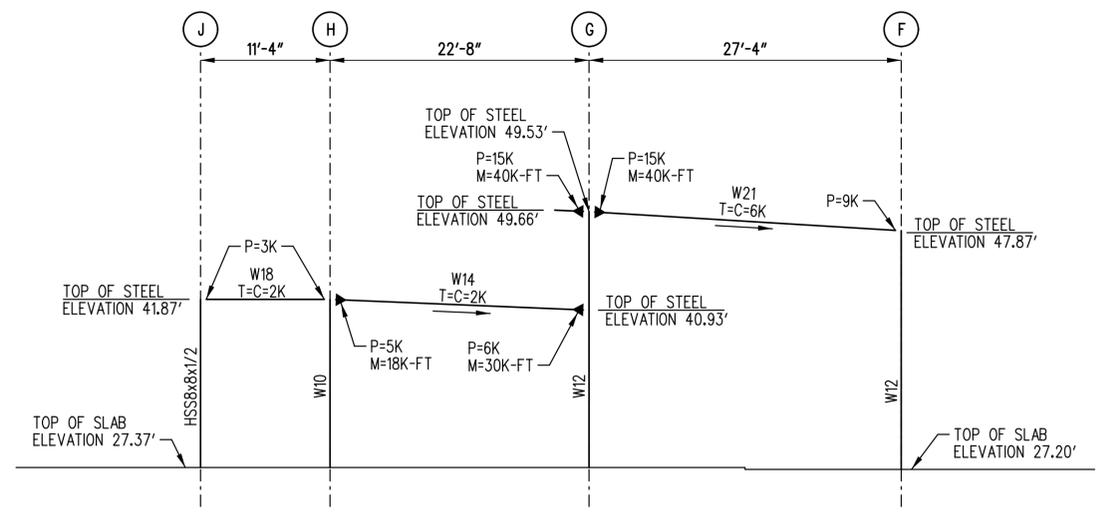
S-206
SHEET NO.
75
TOTAL SHTS.
185

GENERAL SHEET NOTES

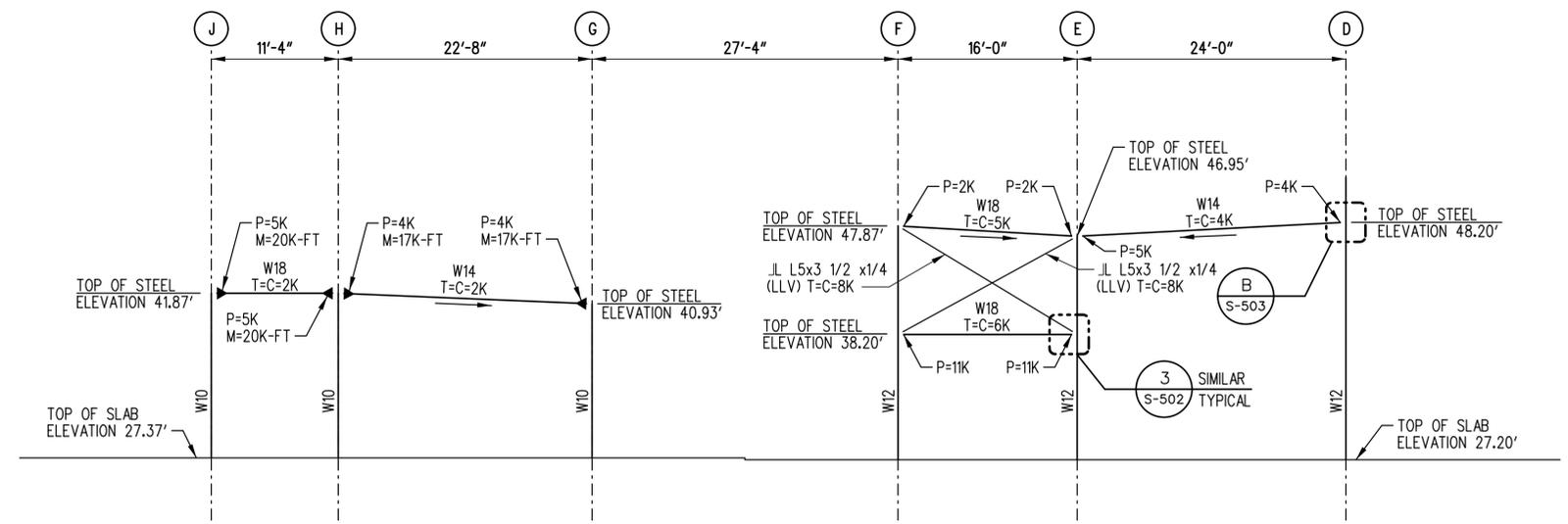
- REFER TO SHEET S-001 FOR GENERAL STRUCTURAL NOTES, CODES, AND LOADS.
- REFER TO SHEETS S-002 TO S-006 FOR STRUCTURAL ABBREVIATIONS AND TYPICAL DETAILS.
- REFER TO SHEETS S-601 TO S-603 FOR COLUMN SCHEDULES, BASE PLATE AND CONCRETE PEDESTAL DETAILS, AND TOP OF COLUMN ELEVATIONS.
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- ◀ INDICATES A MOMENT CONNECTION.
- ▶ INDICATES THE ROOF SLOPE.



A ELEVATION ALONG COLUMN LINE 5
S-206 SCALE: 1/8" = 1'-0"



B ELEVATION ALONG COLUMN LINE 5.7
S-206 SCALE: 1/8" = 1'-0"

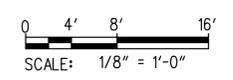


C ELEVATION ALONG COLUMN LINE 6
S-206 SCALE: 1/8" = 1'-0"

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ADDENDUMS / REVISIONS	

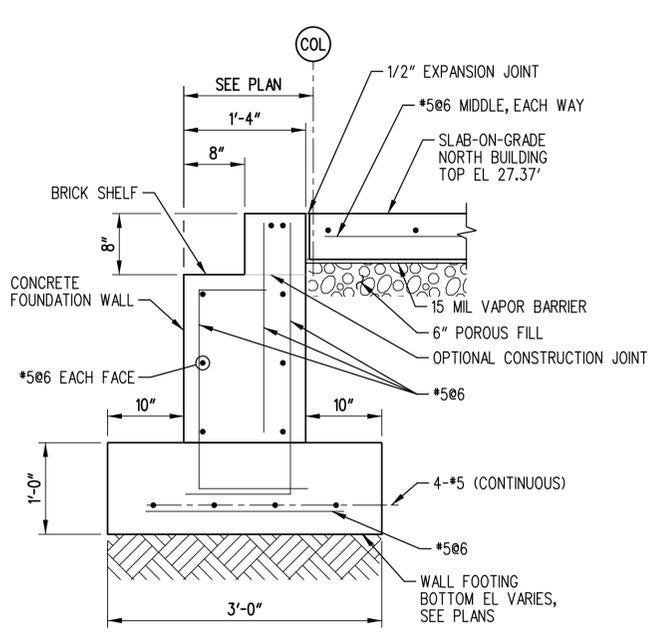


DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY

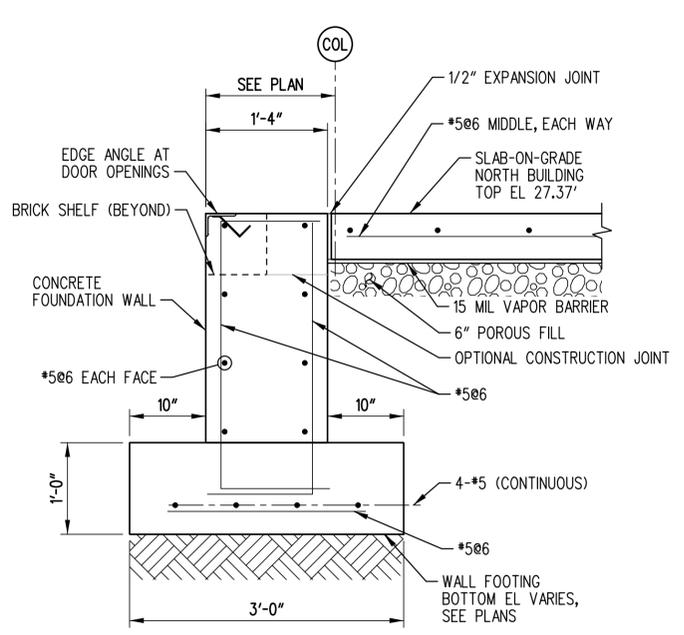
CONTRACT	T200612502	BRIDGE NO.	
COUNTY	SUSSEX	DESIGNED BY:	GAP
		CHECKED BY:	RBG

FRAMING ELEVATIONS

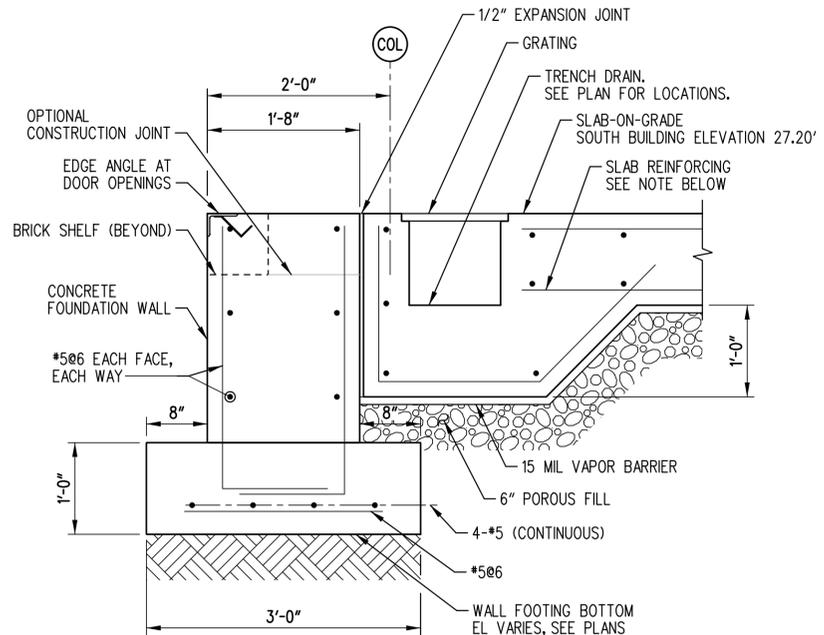
S-207
SHEET NO.
76
TOTAL SHTS.
185



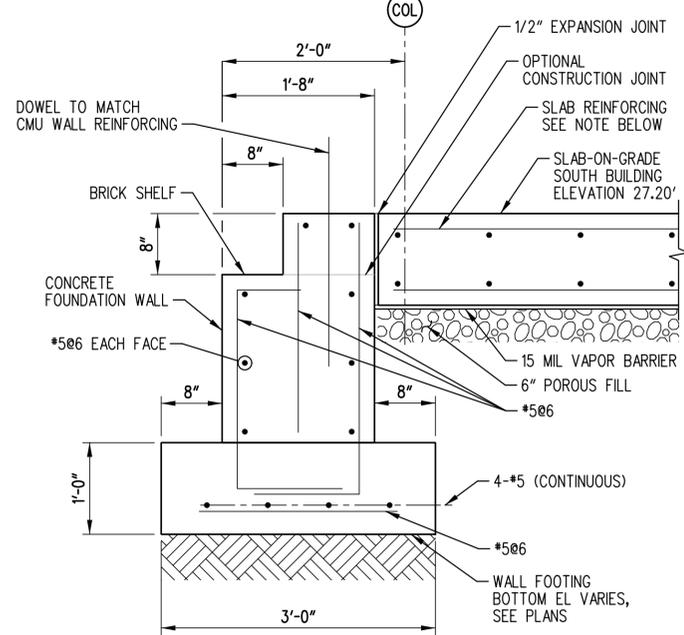
A
SECTION AT
BRICK SHELF
S-501 SCALE: 1" = 1'-0"
REF: S-101



B
SECTION AT DOORS
OR CURTAIN WALL
S-501 SCALE: 1" = 1'-0"
REF: S-101



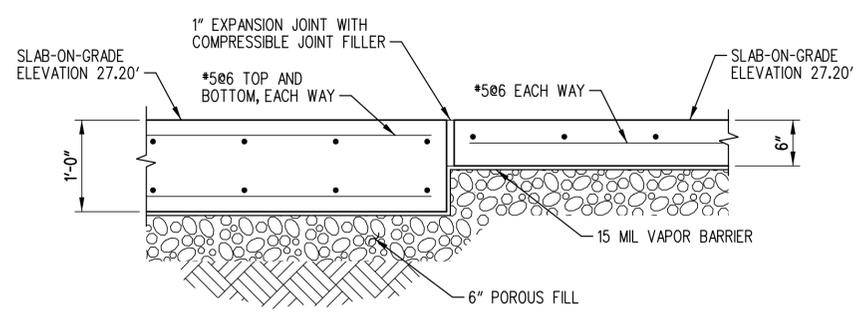
C
SECTION AT DOORS
AND METAL PANEL WALLS
S-501 SCALE: 1" = 1'-0"
REF: S-102



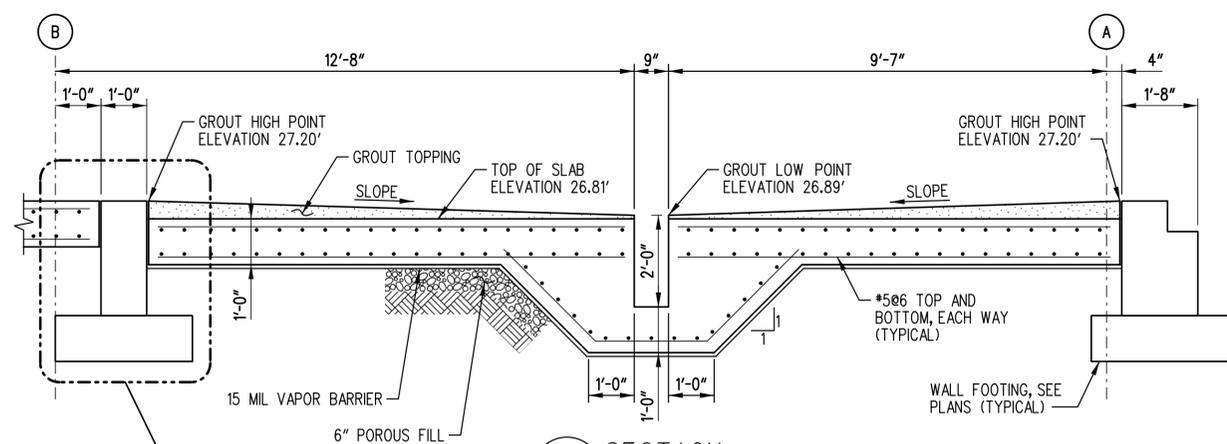
D
SECTION AT
BRICK SHELF
S-501 SCALE: 1" = 1'-0"
REF: S-102

NOTE:
SLAB REINFORCING IS:
#5@6 TOP & BOTTOM, EACH WAY AT 12" SLAB
#5@6 EACH WAY, MIDDLE AT 6" SLAB

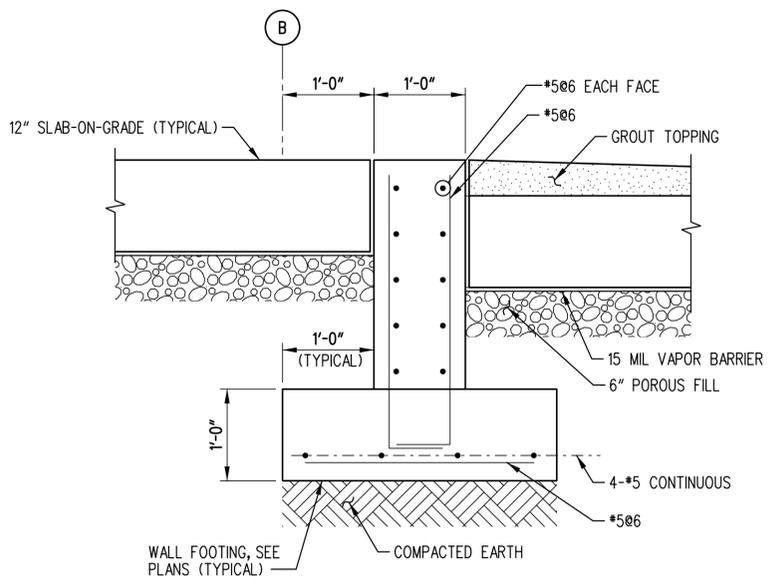
NOTE:
SLAB REINFORCING IS:
#5@6 TOP & BOTTOM, EACH WAY AT 12" SLAB
#5@6 EACH WAY, MIDDLE AT 6" SLAB



E
SECTION
S-501 SCALE: 1" = 1'-0"
REF: S-102



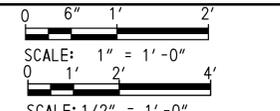
F
SECTION
S-501 SCALE: 1/2" = 1'-0"
REF: S-102



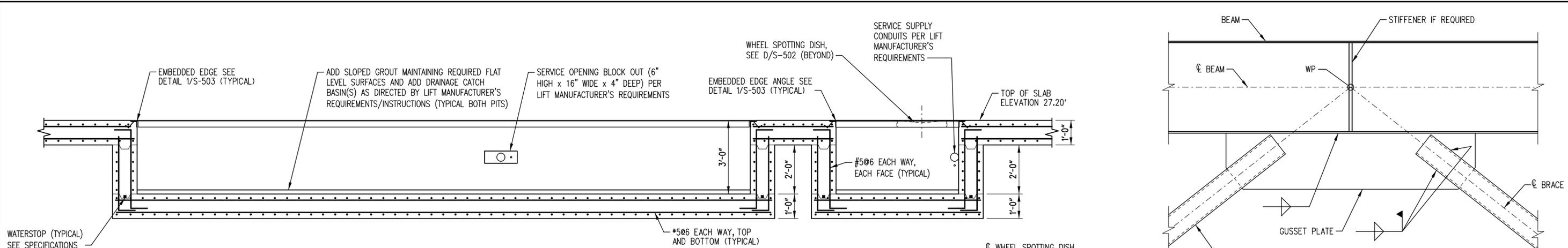
G
SECTION
S-501 SCALE: 1" = 1'-0"
REF: S-102

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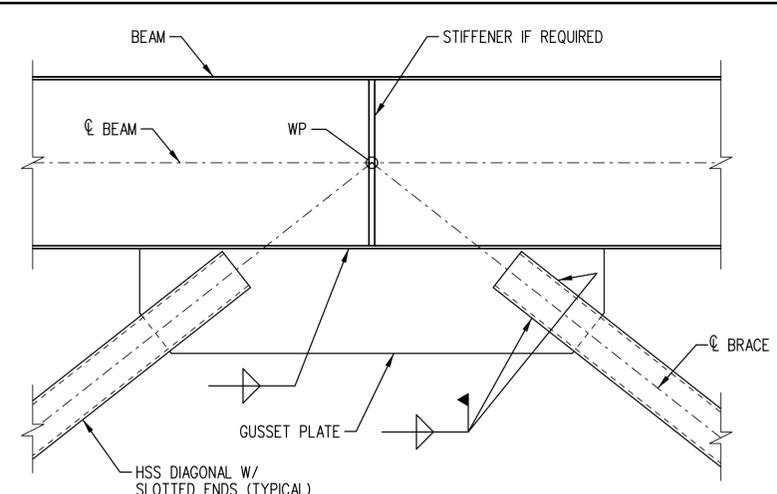
ADDENDUMS / REVISIONS	



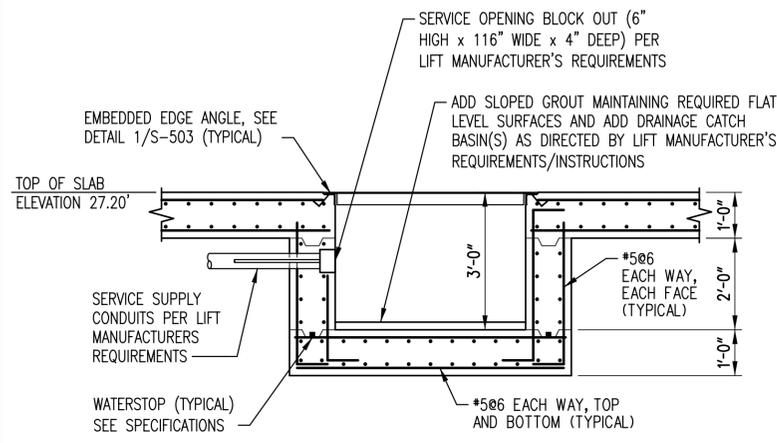
CONTRACT	BRIDGE NO.
T200612502	
COUNTY	DESIGNED BY: GAP
SUSSEX	CHECKED BY: RBG



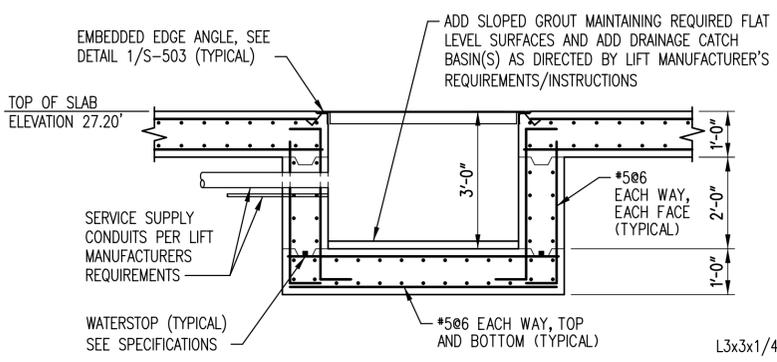
A SECTION
S-502 SCALE: 1/2" = 1'-0"
REF: S-102



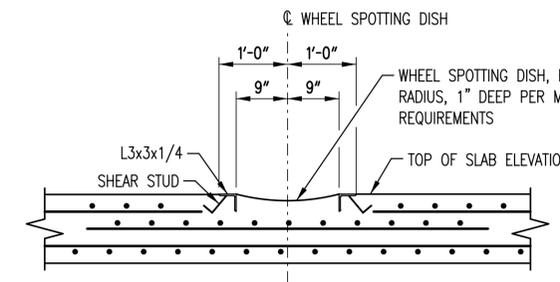
2 SECTION
S-502 SCALE: 3/4" = 1'-0"
REF: S-201, S-203, S-204



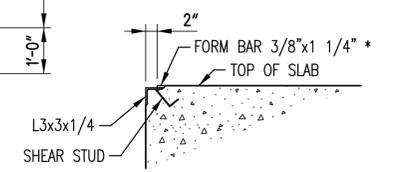
B SECTION
S-502 SCALE: 1/2" = 1'-0"
REF: S-102



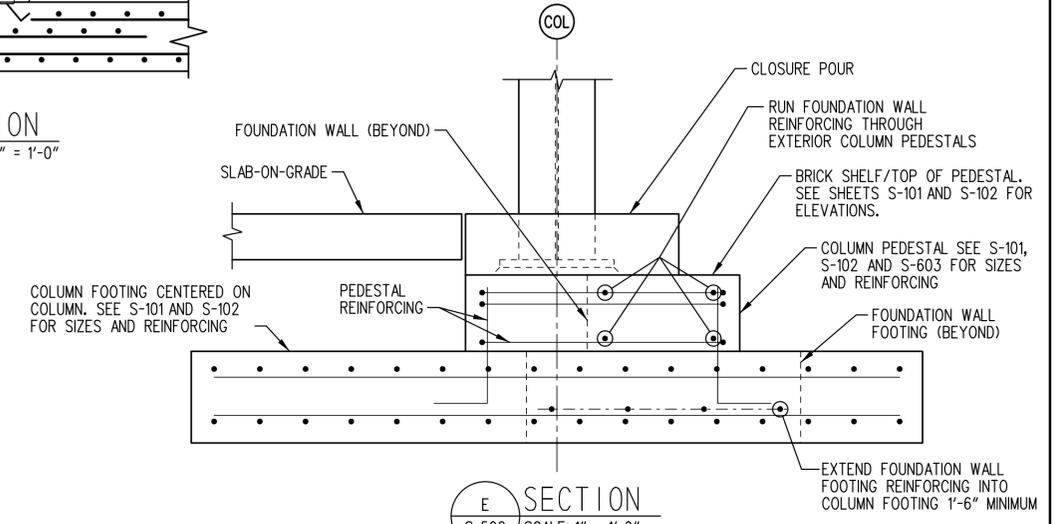
C SECTION
S-502 SCALE: 1/2" = 1'-0"
REF: S-102



D SECTION
S-502 SCALE: 3/4" = 1'-0"
REF: S-102

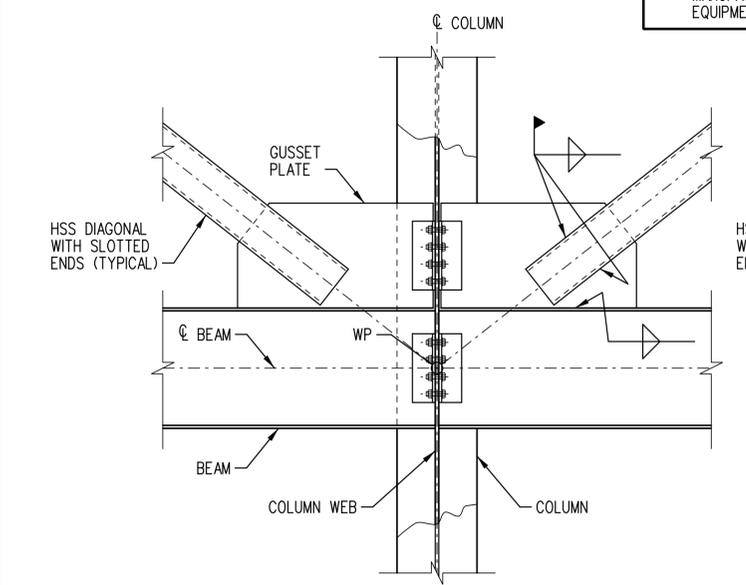


1 DETAIL
S-502 SCALE: 3/4" = 1'-0"
REF: S-502



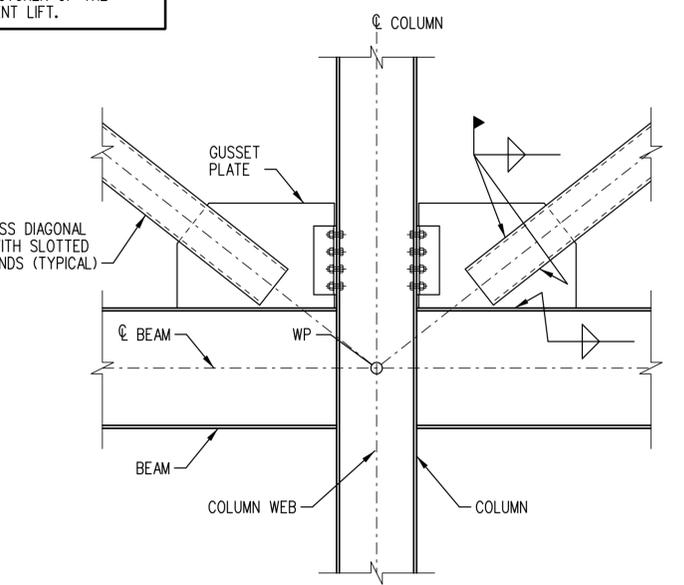
E SECTION
S-502 SCALE: 1" = 1'-0"
REF: S-102

GENERAL SHEET NOTES
1. VERIFY PIT DIMENSIONS AND REQUIREMENTS WITH THE MANUFACTURER OF THE EQUIPMENT LIFT.

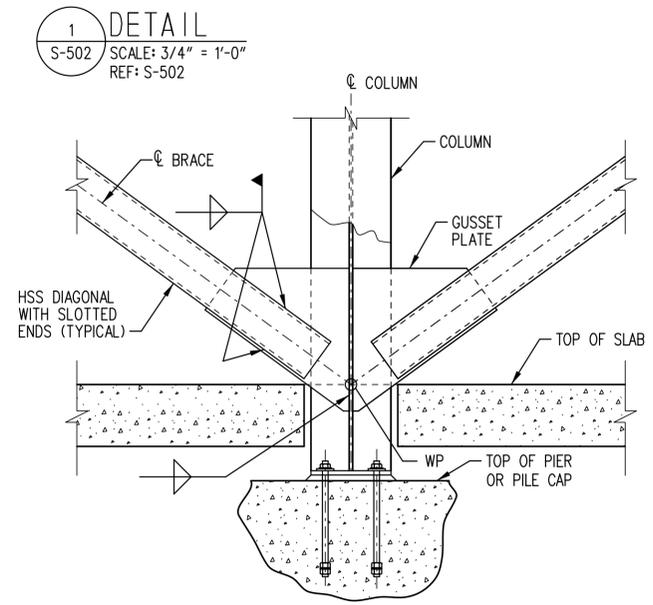


BRACE TO COLUMN WEB

3 SECTION
S-502 SCALE: 3/4" = 1'-0"
REF: S-201, S-202, S-203, S-204, S-205, S-206, S-207

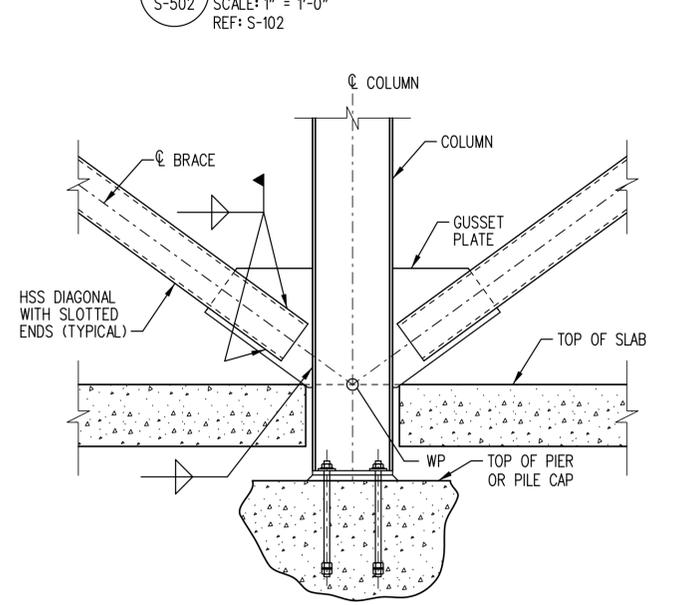


BRACE TO COLUMN FLANGE



BRACE TO COLUMN WEB

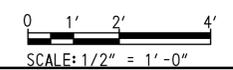
4 SECTION
S-502 SCALE: 3/4" = 1'-0"
REF: S-201, S-203, S-205, S-206



BRACE TO COLUMN FLANGE

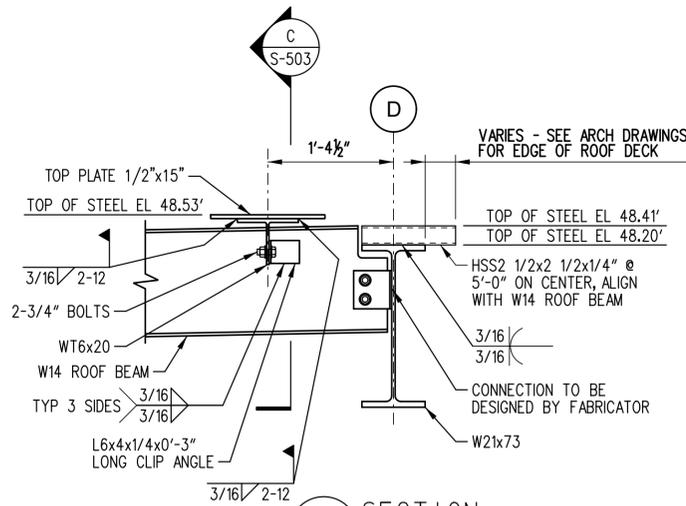
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ADDENDUMS / REVISIONS	

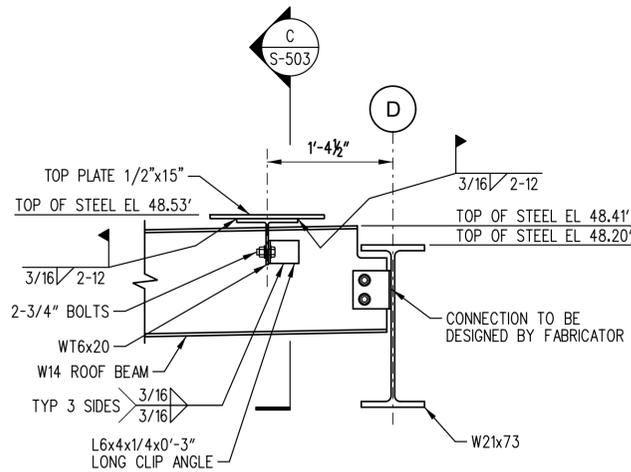


CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: RJN/GAP
	CHECKED BY: RBG

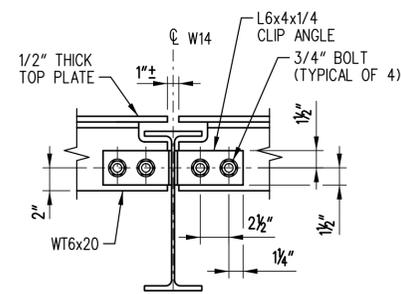
S-502
SHEET NO. 78
TOTAL SHTS. 185



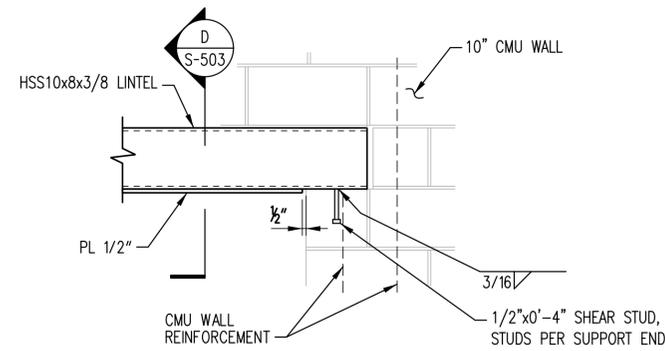
A SECTION
S-503 SCALE: NONE
REF: S-105



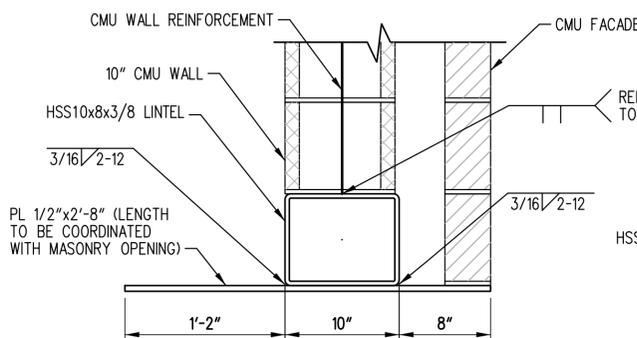
B SECTION
S-503 SCALE: 1" = 1'-0"
REF: S-105



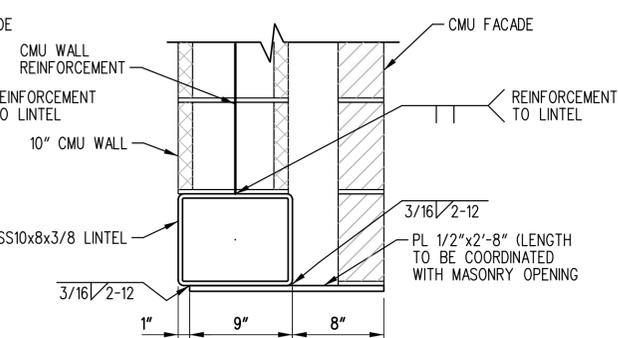
C SECTION
S-503 SCALE: 1 1/2" = 1'-0"
REF: S-503



1 DETAIL
S-503 SCALE: 1" = 1'-0"
REF: S-204, S-206

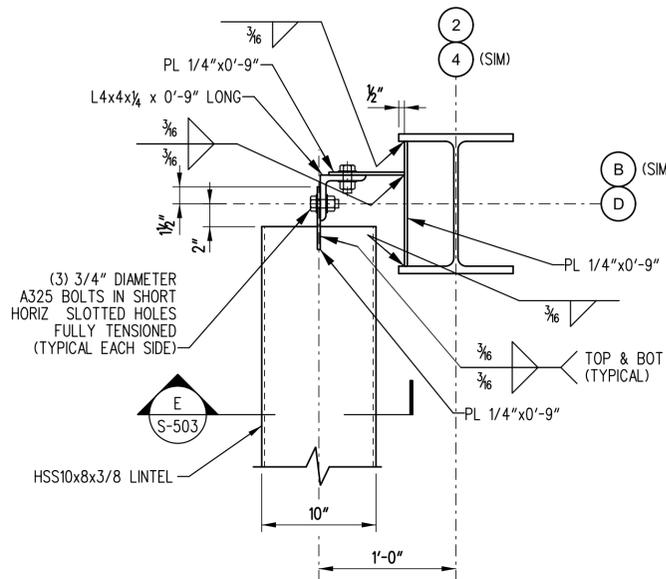


AT MAINTENANCE BAY

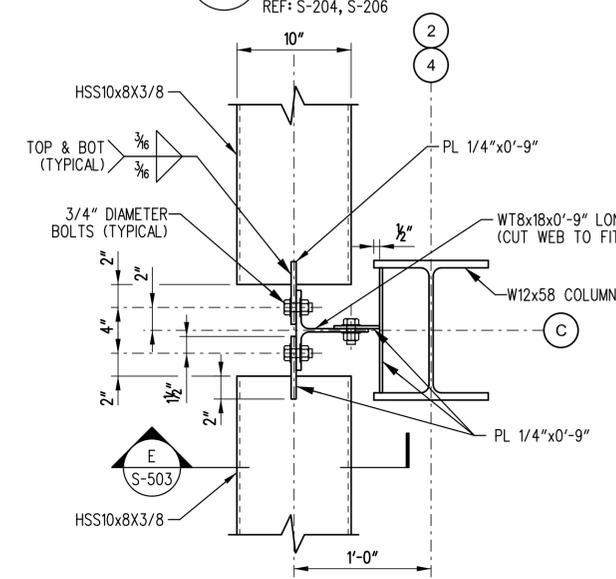


AT WASH BAY

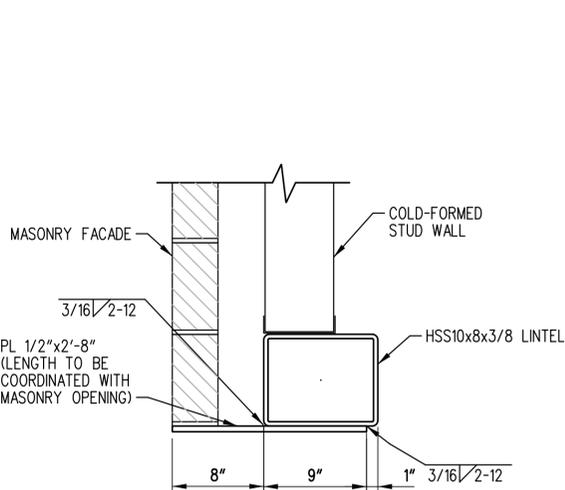
D SECTION
S-503 SCALE: 1 1/2" = 1'-0"
REF: S-204, S-206



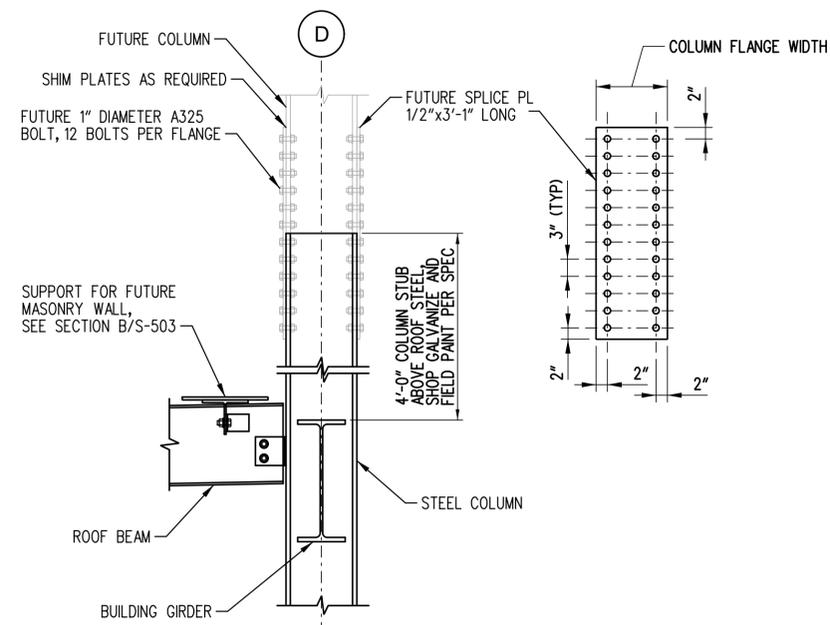
2 DETAIL
S-503 SCALE: 1 1/2" = 1'-0"
REF: S-204, S-206



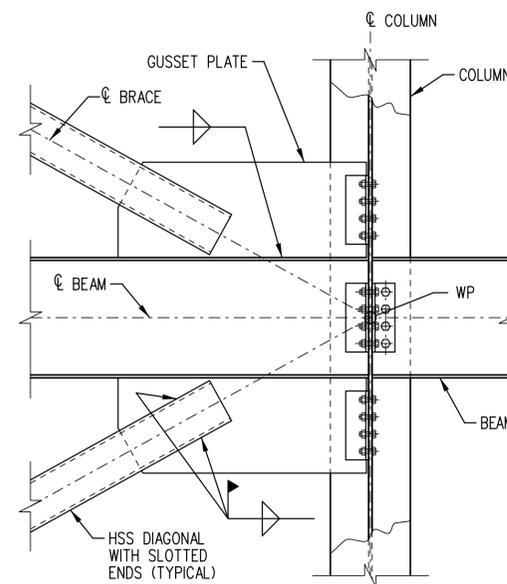
3 DETAIL
S-503 SCALE: 1 1/2" = 1'-0"
REF: S-204, S-206



E SECTION
S-503 SCALE: 1 1/2" = 1'-0"
REF: S-204, S-206

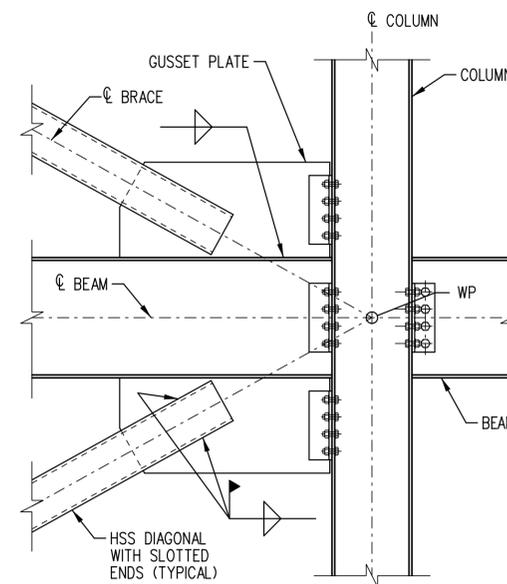


4 DETAIL FOR COLUMNS D-5 AND D-6
S-503 SCALE: 3/4" = 1'-0"
REF: S-201



BRACE TO COLUMN WEB

5 DETAIL
S-503 SCALE: 3/4" = 1'-0"
REF: S-201, S-202, S-203, S-204, S-206



BRACE TO COLUMN FLANGE

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COLUMN SCHEDULE

COLUMN LOCATION	A-2	A-3	A-4	B-2	B-3	B-4	C-2	C-4	D-2	D-3	D-4	D-5	D-6	E-2	E-3	E-4	E-5	E-6	F-2
HIGH ROOF HIGH POINT									TOS EL 58.47'	TOS EL 58.47'	TOS EL 58.47'								
ELEVATION = 58.95'				TOS EL 56.53'	TOS EL 56.53'	TOS EL 56.53'	TOS EL 57.51'	TOS EL 57.51'											
INTERMEDIATE ROOF HIGH POINT													TOS EL 52.20'	TOS EL 52.20'					TOS CAP PL EL 45.63'
ELEVATION = 48.20'	TOS EL 47.15'	TOS EL 47.15'	TOS EL 47.15'												TOS EL 46.95'				
LOW ROOF HIGH POINT																			
ELEVATION = 41.87'																			
GROUND FLOOR LEVEL																			
SOUTH BUILDING EL = 27.20' NORTH BUILDING EL = 27.37'																			
PEDESTAL	P-3	P-2	P-3	P-2	P-2	P-2	P-2	P-2	P-2	P-1	P-3	P-2	P-6	P-2	P-1	P-1	P-1	P-2	P-3
BASE PLATE	TYPE 2	TYPE 2	TYPE 2	TYPE 2A	TYPE 2A	TYPE 2A	TYPE 2	TYPE 2	TYPE 2	TYPE 2	TYPE 2A	TYPE 2A	TYPE 2A	TYPE 2	TYPE 2A	TYPE 2	TYPE 2	TYPE 2	TYPE 2
ANCHOR BOLT SIZE AND EMBEDMENT DEPTH	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT
NOTES:	1. COLUMN BASE PLATE DETAILS ARE SHOWN ON SHEET S-602. 2. ALL TOS ELEVATIONS LISTED ON SCHEDULE INDICATE TOP OF COLUMN OR IF THE COLUMN HAS A CAP THEN THE ELEVATION INDICATES TOP OF CAP PLATE.																		

COLUMN SCHEDULE

COLUMN LOCATION	F-3	F-4	F-5	F-5.7	F-6	G-1	G-2	G-2.5	G-3	G-4	G-4.6	G-5	G-5.7	G-6	H-1	H-2	H-2.5	H-3	
HIGH ROOF HIGH POINT																			
ELEVATION = 58.95'																			
INTERMEDIATE ROOF HIGH POINT	TOS EL 47.87'	TOS EL 47.87'	TOS EL 47.87'	TOS EL 47.87'	TOS EL 47.87'	TOS EL 48.70'	TOS EL 49.53'		TOS CAP PL EL 47.73'	TOS CAP PL EL 47.73'		TOS CAP PL EL 47.73'	TOS EL 49.53'		TOS EL 48.70'	TOS EL 48.70'	TOS EL 48.70'		
ELEVATION = 48.20'																			
LOW ROOF HIGH POINT																			
ELEVATION = 41.87'								TOS EL 40.93'			TOS EL 40.93'			TOS EL 40.93'					TOS EL 41.87'
GROUND FLOOR LEVEL																			
SOUTH BUILDING EL = 27.20' NORTH BUILDING EL = 27.37'																			
PEDESTAL	P-2	P-2	P-2	P-2	P-3	P-10	P-8	P-9	P-10	P-8	P-8	P-8							
BASE PLATE	TYPE 2	TYPE 2	TYPE 2	TYPE 2	TYPE 2	TYPE 1	TYPE 2	TYPE 1	TYPE 2	TYPE 2	TYPE 1	TYPE 2	TYPE 2	TYPE 1					
ANCHOR BOLT SIZE AND EMBEDMENT DEPTH	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT	(4) 1" DIA 12" EMBEDMENT
NOTES:	1. COLUMN BASE PLATE DETAILS ARE SHOWN ON SHEET S-602. 2. ALL TOS ELEVATIONS LISTED ON SCHEDULE INDICATE TOP OF COLUMN OR IF THE COLUMN HAS A CAP THEN THE ELEVATION INDICATES TOP OF CAP PLATE.																		

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ADDENDUMS / REVISIONS

**DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY**

CONTRACT T200612502	BRIDGE NO.	
COUNTY SUSSEX	DESIGNED BY: GAP/BJK	
	CHECKED BY: RBG	

COLUMN SCHEDULE

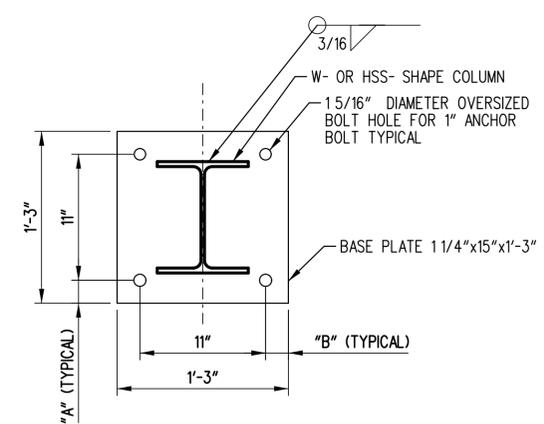
S-601

SHEET NO.	80
TOTAL SHTS.	185

COLUMN SCHEDULE

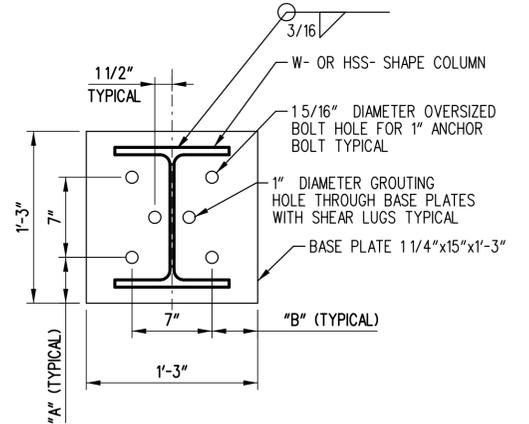
COLUMN LOCATION	H-4	H-4.4	H-4.6	H-4.9	H-5.4	H-5.7	H-6	H.5-4.4	H.5-4.6	J-4.6	J-5.1	J-5.7	J-6						
HIGH ROOF HIGH POINT																			
ELEVATION = 58.95'																			
INTERMEDIATE ROOF HIGH POINT																			
ELEVATION = 48.20'																			
LOW ROOF HIGH POINT	TOS EL 41.87'		TOS CAP PL EL 40.40'	TOS EL 41.87'	TOS EL 41.87'	TOS EL 41.87'	TOS EL 41.87'												
ELEVATION = 41.87'																			
GROUND FLOOR LEVEL																			
SOUTH BUILDING EL = 27.20' NORTH BUILDING EL = 27.37'																			
PEDESTAL	P-8	P-8	P-7	P-1	P-1	P-1	P-2	P-1	P-5	P-6	P-5	P-5	P-4						
BASE PLATE	TYPE 1																		
ANCHOR BOLT SIZE AND EMBEDMENT DEPTH	(4) 1" DIA 12" EMBEDMENT																		

NOTES:
 1. COLUMN BASE PLATE DETAILS ARE SHOWN BELOW.
 2. ALL TOS ELEVATIONS LISTED ON SCHEDULE INDICATE TOP OF COLUMN OR IF THE COLUMN HAS A CAP THEN THE ELEVATION INDICATES TOP OF CAP PLATE.



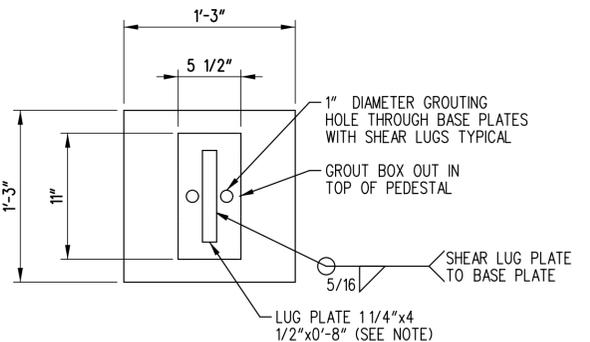
NOTE:
SEE BASE PLATE SCHEDULE ON THIS SHEET FOR "A" AND "B" DIMENSIONS AND BASE PLATE THICKNESS

1 BASE PLATE TYPE 1
S-602 SCALE: 1 1/2" = 1'-0"
REF: S-101, S-102



NOTE:
SEE BASE PLATE SCHEDULE ON THIS SHEET FOR "A" AND "B" DIMENSIONS AND BASE PLATE THICKNESS

2 BASE PLATE TYPE 2 AND 2A
S-602 SCALE: 1 1/2" = 1'-0"
REF: S-101, S-102



NOTE:
 1. SEE COLUMN SCHEDULE ON S-601 AND S-602 FOR LOCATIONS OF COLUMN BASE PLATES WITH SHEAR LUGS.
 2. ORIENT LONG DIMENSION OF SHEAR LUG SUCH THAT THE LONGEST DIMENSION IS PERPENDICULAR TO THE COLUMN LINE WITH BRACING.

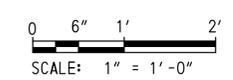
3 SHEAR LUG PLATE DETAIL
S-602 SCALE: 1 1/2" = 1'-0"
REF: S-101, S-102

BASE PLATE SCHEDULE				
TYPE	MARK			COMMENTS
	DISTANCE "A"	DISTANCE "B"	PLATE THICKNESS	
TYPE 1	2"	2"	1 1/4"	---
TYPE 2	4"	4"	1 1/4"	---
TYPE 2A	4"	4"	1 1/4"	SEE SHEAR LUG PLATE DETAIL

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ADDENDUMS / REVISIONS

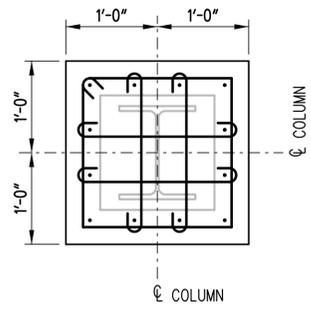


**DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY**

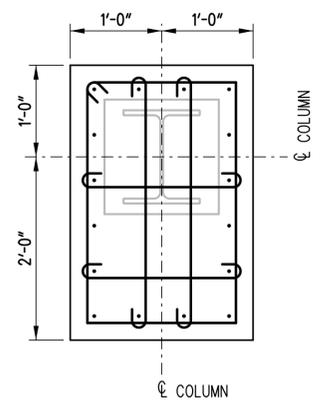
CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: GAP/BJK CHECKED BY: RBG

COLUMN SCHEDULE	SHEET NO. 81
	TOTAL SHTS. 185

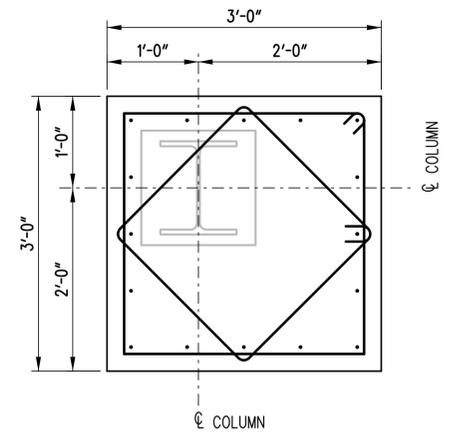
S-602



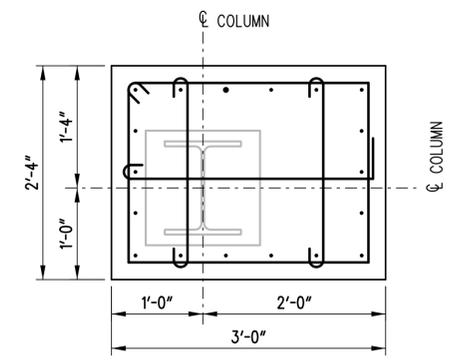
1 PEDESTAL P-1
S-603 SCALE: 1"=1'-0"
REF: S-101, S-102, S-601, S-602



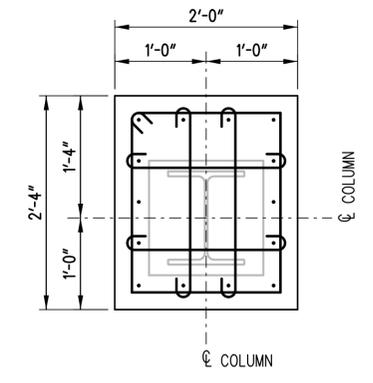
2 PEDESTAL P-2
S-603 SCALE: 1"=1'-0"
REF: S-101, S-102, S-601, S-602



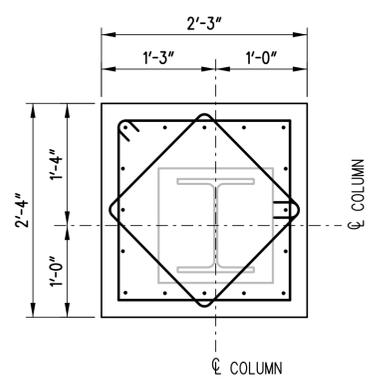
3 PEDESTAL P-3
S-603 SCALE: 1"=1'-0"
REF: S-101, S-102, S-601, S-602



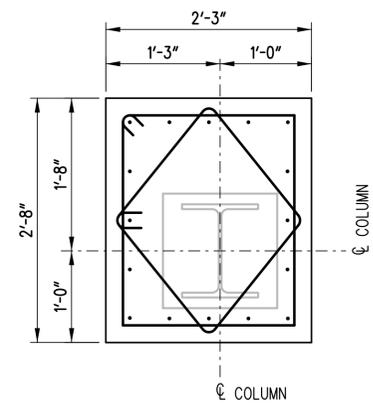
4 PEDESTAL P-4
S-603 SCALE: 1"=1'-0"
REF: S-101, S-102, S-601, S-602



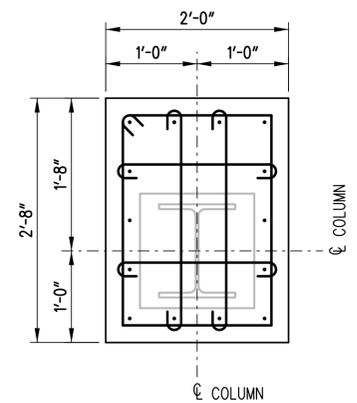
5 PEDESTAL P-5
S-603 SCALE: 1"=1'-0"
REF: S-101, S-102, S-601, S-602



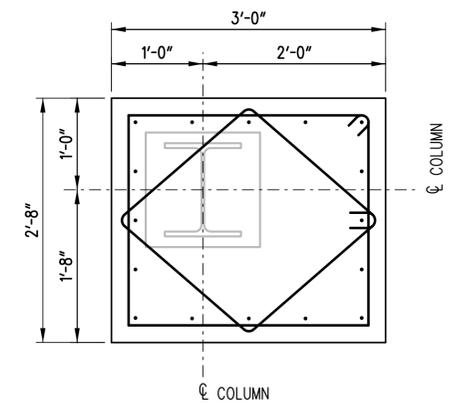
6 PEDESTAL P-6
S-603 SCALE: 1"=1'-0"
REF: S-101, S-102, S-601, S-602



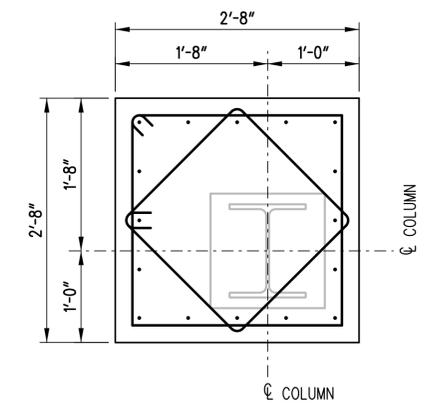
7 PEDESTAL P-7
S-603 SCALE: 1"=1'-0"
REF: S-101, S-102, S-601, S-602



8 PEDESTAL P-8
S-603 SCALE: 1"=1'-0"
REF: S-101, S-102, S-601, S-602



9 PEDESTAL P-9
S-603 SCALE: 1"=1'-0"
REF: S-101, S-102, S-601, S-602



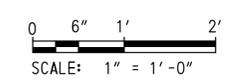
10 PEDESTAL P-10
S-603 SCALE: 1"=1'-0"
REF: S-101, S-102, S-601, S-602

- GENERAL SHEET NOTES**
- REFER TO PIER/PEDESTAL SCHEDULE ON SHEETS S-101 AND S-102 FOR PEDESTAL REINFORCING.
 - REFER TO SHEETS S-601 AND S-602 FOR COLUMN AND BASE PLATE SCHEDULES AND SHEAR LUG LOCATIONS.

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ADDENDUMS / REVISIONS	



**DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY**

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: GAP/BJK
	CHECKED BY: RBG

PEDESTAL DETAILS

S-603
SHEET NO. 82
TOTAL SHTS. 185

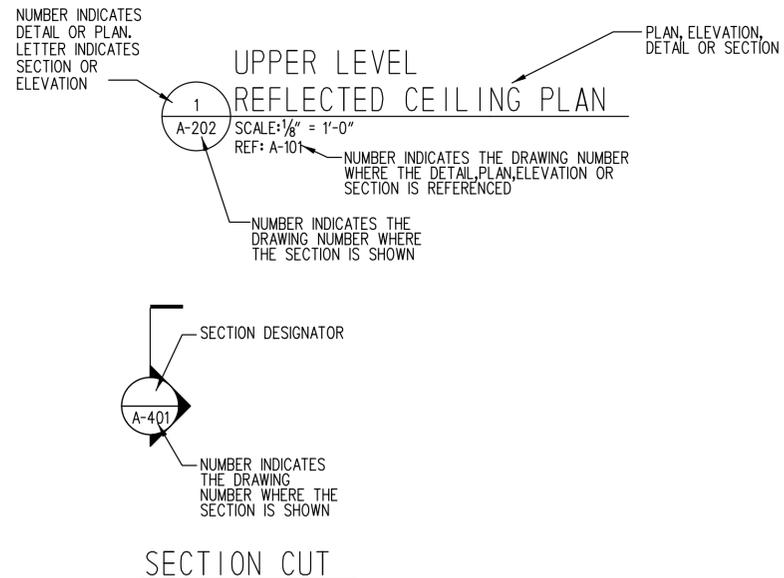
NOTE: CONTRACTOR SHALL BE RESPONSIBLE TO OBTAINING ALL REQUIRED PERMITS FOR THIS PROJECT.

ARCHITECTURAL ABBREVIATIONS

ABV	ABOVE	FE	FIRE EXTINGUISHER ON BRACKET	PAV	PAVER TILE
AC	AIR CONDITIONING (CONDITIONER)	FEC	FIRE EXTINGUISHER CABINET	PC	PIECE/PRECAST CONCRETE
AD	ACCESS DOOR (OR PANEL)	FH	FLAT HEAD	PF	PLASTIC FABRICATION
ADA	AMERICAN WITH DISABILITIES ACT	FIRE T	FIRE TREATED	PL	PLATE
ADD	ADDENDUM	FIN	FINISH OR FINISHED	PLAM	PLASTIC LAMINATE
ADJ	ADJACENT	FIX	FIXTURE	PLAS	PLASTER
AES	ABOVE EXISTING SLAB	FL	FLASHING	PREFAB	PREFABRICATED
AF	ACCESS FLOOR	FLM	FULL LENGTH MIRROR	PRES T	PRESSURE TREATED
AFB	ABOVE FINISHED FLOOR	FLR	FLOOR	PT	PAINT
AHU	AIR HANDLING UNIT	FR	FIRE RATED	PTD	PAPER TOWEL DISPENSER
ALT	ALTERNATE	FRC	FIBER-REINFORCED COATING	PTN	PARTITION
ALUM	ALUMINUM	FS	FOLDING SHELF	PVC	POLYVINYL CHLORIDE
APC	ACOUSTICAL PANEL CEILING (LAY-IN)	FSS	FOLDING SHOWER SEAT	QT	QUARRY TILE
APPROX	APPROXIMATE	FT	FOOT OR FEET	QTY	QUANTITY
ARCH	ARCHITECTURAL	FTG	FOOTING	R	RISER OR RADIUS
ASB	ASBESTOS	FWP	FABRIC-WRAPPED PANEL (FABRICATED; TACKABLE; ACOUSTICAL PANEL)	RB	RESILIENT WALL BASE AND ACCESSORIES (VINYL BASE; RUBBER BASE; TREADS; NOSINGS; EDGINGS)
ASP	ASPHALT	GA	GAUGE	RCP	REINFORCED CONCRETE PIPE
ATC	ACOUSTICAL TILE CEILING (CONCEALED SUSPENSION)	GALV	GALVANIZED	RD	ROOF DRAIN OR ROUND
AWP	ACOUSTICAL WALL PANEL	GB	GRAB BAR	REQ'D	REQUIRED
		GEN	GENERAL	RF	RESILIENT FLOORING (VINYL; RUBBER; VINYL COMPOSITION; SHEET FLOORING)
BB	BULLETIN BOARD (GLASS COVERED)	GL	GLASS	REBAR	REINFORCING BAR
BC	BOTTOM OF CURB	GLM	GLASS UNIT MASONRY (GLASS BLOCK)	REINF	REINFORCED OR REINFORCING
BD	BOARD	GMU	GLAZED MASONRY UNIT	RESF	RESINOUS FLOORING
BEN	BENCH	GRD	GROUND	REQ	REQUIRED
BETW	BETWEEN	GP	GYPSPUM PLASTER	RET	RETURN
BLDG	BUILDING	GRT	GROUT	REV	REVISION
BLKG	BLOCKING	GVP	GYPSPUM VENEER PLASTER	RH	ROBE HOOK
BM	BEAM	GYPB	GYPSPUM BOARD (WALL OR CEILING)	RM	ROOM
BOT	BOTTOM	GYPBS	GYPSPUM BOARD SHAFT-WALL ASSEMBLY	RO	ROUGH OPENING
BR	BRICK			RWR	RECESSED WASTE RECEPTACLE
BR/S	BACKER ROD AND SEALANT	H	HEAD	RV	ROOF VENT
		HB	HORIZONTAL BLIND	RX	REMOVE EXISTING
C	CONDUIT	HDW	HARDWARE	S	SILL, SOUTH OR SINGLE
C/C	CENTER TO CENTER	HM	HOLLOW METAL	SC	SPECIAL COATING (OTHER THAN PAINT SYSTEMS)
CB	CHALK BOARD	HOR	HORIZONTAL	SCH	SCHEDULE OR SCHEDULED
CAB	CABINET	HP	HIGH POINT	SCR	SHOWER CURTAIN ROD
CARP	CARPET	HR	HOUR	SD	SOAP DISPENSER OR STORM DRAIN
CARPET	CARPET TILE	HT	HEIGHT	SECT	SECTION
CEM	CEMENT	HTR	HEATER	SF	SQUARE FOOT
CER	CERAMIC	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	SFT	STRUCTURAL FACING TILE
CI	CAST IRON	HW	HOT WATER	SH	SHOWER
CG	CORNER GUARD	ID	INSIDE DIAMETER	SHT	SHEET
CH	CEILING HEIGHT	IN	INCH	SIM	SIMILAR
CJ	CONTROL JOINT	INSUL	INSULATION	SJ	STEEL JOIST
CL	CENTERLINE	INT	INTERIOR	SND	SANITARY NAPKIN DISPOSAL
CLOS	CLOSET	INV	INVERT	SOD	SECTIONAL OVERHEAD DOOR (STEEL; ALUMINUM; PLASTIC PANEL)
CLG	CEILING			SPEC	SPECIFICATION
CLR	CLEAR	J	JAMB	SP	STAND PIPE
CMP	CORRUGATED METAL PIPE	JC	JANITOR'S CLOSET	SQ	SQUARE
CMU	CONCRETE MASONRY UNIT	JT	JOINT	SS	STAINLESS STEEL OR SERVICE SINK
CO	CLEAR OPENING	KIT	KITCHEN	SSM	SOLID SURFACING MATERIAL
COL	COLUMN	L	LINTEL	STAT	STATIONARY
COMP	COMPACTED	LAB	LABORATORY	STL	STEEL
CONC	CONCRETE	LAV	LAVATORY	STRUCT	STRUCTURAL OR STRUCTURE
CONSTR	CONSTRUCTION	LG	LONG	SUSP	SUSPENDED
CONT	CONTINUOUS	LIN	LINOLEUM FLOOR COVERING	SWR	SURFACE-MOUNTED WASTE RECEPTACLE
CONV	CONVECTOR	LLV	LONG LEG VERTICAL	SYS	SYSTEM
CR	COLD ROLLED	LOC	LOCATION	T	TILE
CSK	COUNTERSUNK	LOCK	LOCKER	TOB	TOWEL BAR
CSPE	CHLOROSULFONATED POLYETHYLENE ELASTOMER	LP	LOW POINT	T&B	TOP & BOTTOM
CT	CERAMIC TILE	LT	LIGHT	T&G	TONGUE & GROOVE
CTR	COUNTER	LTG	LIGHTING	TC	TOP OF CURB
CW	COLD WATER	LV	LOUVER	TCO	TOILET SEAT COVER DISPENSER
CX	CONNECT TO EXISTING			TEL	TELEPHONE
		M	MIRROR OR MEN	TER	TERRAZZO
D	DOUBLE	MACH	MACHINE	TH	THICK
DEG	DEGREE	MAS	MASONRY	TO	TOP OF
DEMO	DEMOLITION	MATL	MATERIAL	TOS	TOP OF STEEL
DET	DETAIL	MAX	MAXIMUM	TOW	TOP OF WALL
DF	DRINKING FOUNTAIN	MC	MEDICINE CABINET	TP	TOILET PARTITION (WATER CLOSET; URINAL; SHOWER; SCREEN)
DIA	DIAMETER	MET	METAL	TPD	TOILET PAPER DISPENSER
DIR	DIRECTORY	MDF	MEDIUM DENSITY FIBERBOARD	TR	TREAD
DN	DOWN	MFB	MINERAL FIBER BLANKET	TYP	TYPICAL
DO	DOOR OPENING	MECH	MECHANICAL	U	UNIT
DR	DOOR	MET	METAL	UNO	UNLESS NOTED OTHERWISE
DS	DOWNSPOUT	MFR	MANUFACTURER	UR	URINAL
DWG	DRAWING	MH	MANHOLE	V	VENT
		MIN	MINIMUM	VB	VERTICAL BLIND
E	EAST	MISC	MISCELLANEOUS	VDB	VISUAL DISPLAY BOARD (HINGED CONFERENCE UNIT)
EA	EACH	MARK	MARK	VERT	VERTICAL
EF	EACH FACE	MO	MASONRY OPENING	VEST	VESTIBULE
EFB	EXTERIOR FINISH SYSTEM	MP	METAL PANEL	VIF	VERIFY IN FIELD
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	MR	MOP RACK	VP	VAPOR BARRIER
EJ	EXPANSION JOINT	MTD	MOUNTED	VS	VERTICAL STANDPIPE
EL	ELEVATION	MTL	METAL		
ELEC	ELECTRIC OR ELECTRICAL	N	NORTH	W	WOMEN, WIDTH, WEST OR WOVEN
ELEV	ELEVATOR	NA	NOT APPLICABLE	W/	WITH
EM	ENTRY MAT	ND	NOT DETERMINED	WC	WATER CLOSET OR WALL COVERING (VINYL OR TEXTILE WALL COVERING; WALL PAPER)
EP	ETHYLENE PROPYLENE-BASED (SINGLE PLY ROOFING)	NIC	NOT IN CONTRACT	WD	WOOD
EPB	ELECTRIC PANEL BOX	NO	NUMBER	WH	WEEP HOLE
EPDM	ETHYLENE-PROPYLENE-DIENE MEMBRANE	NOM	NOMINAL	WHT	WHITE
EPS	EXPANDED POLYSTYRENE	NTS	NOT TO SCALE	WO	WINDOW OPENING
EPX	EPOXY	OA	OVERALL	WP	WATERPROOF OR WORKING POINT
EQ	EQUAL	OC	ON CENTER	WR	WATER RESISTANT OR WASTE RECEPTACLE
EQUIP	EQUIPMENT	OD	OUTSIDE DIAMETER	WT	WEIGHT
EST	ESTIMATE	OFF	OFFICE	WWF	WOVEN WIRE FABRIC
EUH	ELECTRIC UNIT HEATER	OHD	OVERHEAD COILING DOOR		
EW	EACH WAY	OHG	OVERHEAD COILING GRILLE	YD	YARD
EWCA	ELECTRIC WATER COOLER	OP	OPERABLE PANEL PARTITION (HUNG FROM OVERHEAD TRACK)	YR	YEAR
EWCA	ELECTRIC WATER COOLER - ACCESSIBLE	OPNG	OPENING		
EXIST	EXISTING	OPP	OPPOSITE		
EXP	EXPANSION OR EXPOSED	OZ	OUNCE		
EXT	EXTERIOR				
F	FILLER				
FC	FAN COIL UNIT				
FD	FLOOR DRAIN OR FIRE DAMPER				
FDR	FOLDING DOOR (WOOD OR FABRIC)				

ARCHITECTURAL LEGEND

	BRICK		DOOR NUMBER SYMBOL
	CONCRETE MASONRY UNITS		LOUVER NUMBER SYMBOL
	STRUCTURAL CLAY UNITS		WINDOW NUMBER SYMBOL
	GYPSPUM BOARD PARTITIONS		ROOM NUMBER SYMBOL
	WOOD-FINISH GRADE		WALL/BUILDING SECTION SYMBOL
	WOOD BLOCKING		TITLE AND DETAIL REFERENCE SYMBOL
	RIGID WALL/PERIMETER INSULATION		NUMBER-DRAWING NOTE
	RIGID ROOF INSULATION		REVISION
	BATT INSULATION		NORTH ARROW (CONSTRUCTION NORTH)
	CONCRETE		PARTITION TYPE
	POROUS FILL		
	EARTH		
	METAL PATTERN		

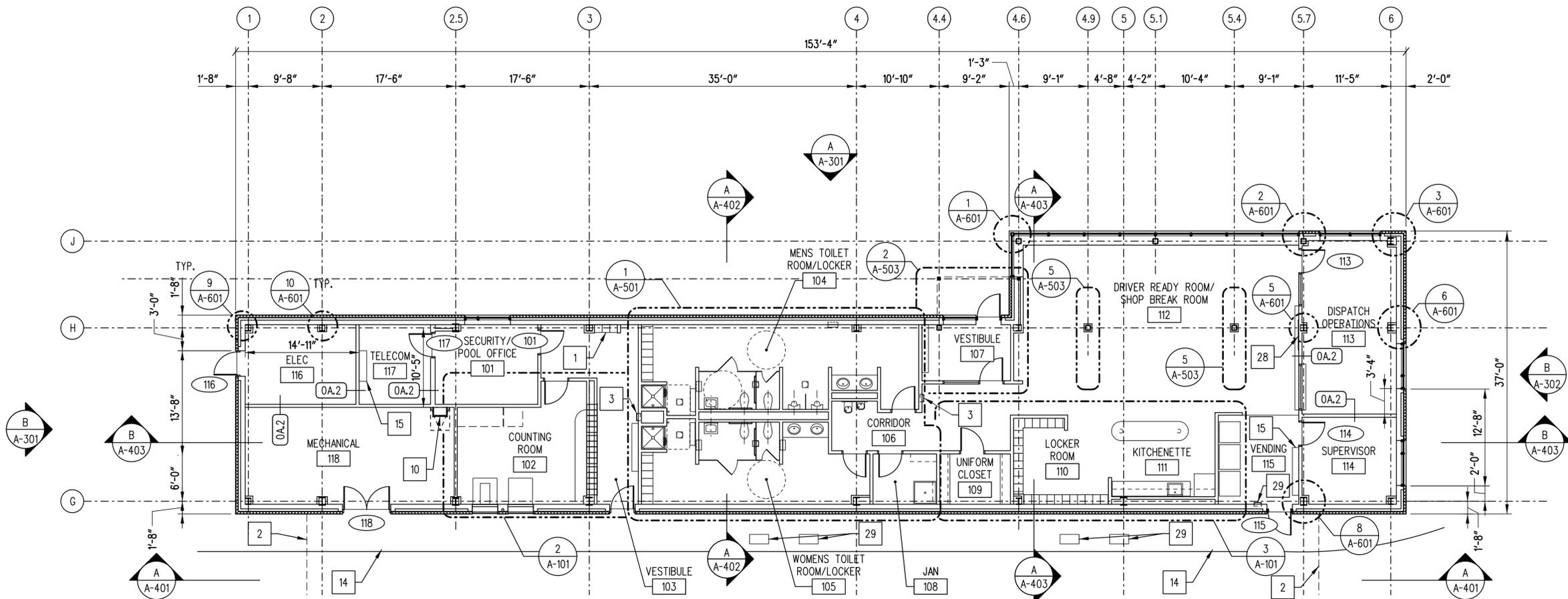


DRAWING NOTES

- SPECIFIC CONSTRUCTION NOTES LISTED ON PLAN SHEETS DO NOT NECESSARILY APPLY TO EVERY PLAN SHEET.
- NOT ALL DIMENSIONS, WALL TAGS, OR DOOR NUMBERS ARE PROVIDED ON FLOOR PLANS. SEE ENLARGED PLANS OF AREAS INDICATED ON PLAN FOR SUCH ITEMS.

CONSTRUCTION NOTES

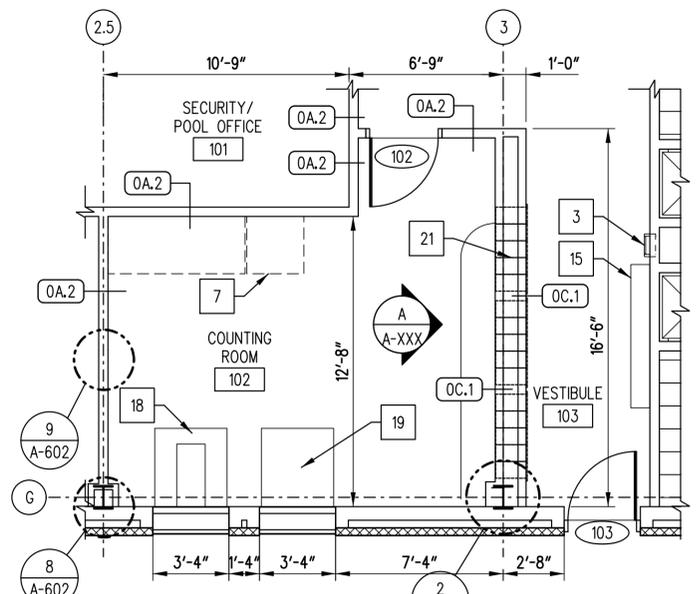
- 12" WIDE BY 15" DEEP DOUBLE TIER LOCKERS
- LINE OF ROOF ABOVE.
- FIRE EXTINGUISHER AND CABINET: SURFACE MTD. (FEC-S) ON CMU WALLS SEMI-RECESSED (FEC-SR) IN STUD WALLS LESS THAN 6" RECESSED (FEC-R) IN STUDS 6" OR GREATER
- 15" WIDE BY 18" DEEP DOUBLE TIER LOCKERS
- VENDING MACHINE (NIC)
- REFRIGERATOR
- SAFE (NIC)
- ALUMINUM SHIPS LADDER TO MEZZANINE - SEE SHEET A-504 FOR MEZZANINE
- EDGE OF MEZZANINE FLOOR ABOVE - SEE A-504 AND STRUCTURAL
- ROOF ACCESS LADDER AND HATCH ABOVE
- CLOTHES ROD WITH SHELF ABOVE
- METAL FILLER PANEL TO MATCH METAL LOCKER FINISH.
- 1-1/2" PLASTIC LAMINATE COUNTERTOP, PLAM-4.
- EDGE OF EXTERIOR SIDEWALK - SEE CIVIL
- CABINET UNIT HEATER / ACU - SEE MECHANICAL
- CORRUGATED METAL PANEL SIDING
- WIRE MESH GF1 STORAGE CAGE
- FARE PULL VAULT - OWNER FURNISHED AND CONTRACTOR INSTALLED
- THROUGH-WALL PARCEL DROP BOX
- 12" WIDE BY 15" DEEP SINGLE TIER METAL LOCKERS
- REAR LOADING POST OFFICE BOXES
- WIRE MESH PARTITIONS TO UNDERSIDE OF ROOF DECK AND 4070 SLIDING DOOR
- WALL MOUNTED COAT HOOKS - TOTAL (6)
- TIME CLOCK - OWNER FURNISHED AND CONTRACTOR INSTALLED
- ELECTRIC WATER COOLER - SEE PLUMBING
- UTILITY SINK - SEE PLUMBING
- CONCRETE FILLED STEEL PIPE BOLLARDS - SEE CIVIL DRAWINGS
- 3' x 4' TACK BOARD
- FUEL DISPENSERS - SEE PLUMBING
- TRENCH DRAIN / SUMP - SEE STRUCT. AND PLUMBING
- IN-GROUND VEHICLE LIFT - SEE STRUCT. / EQUIP. PLANS



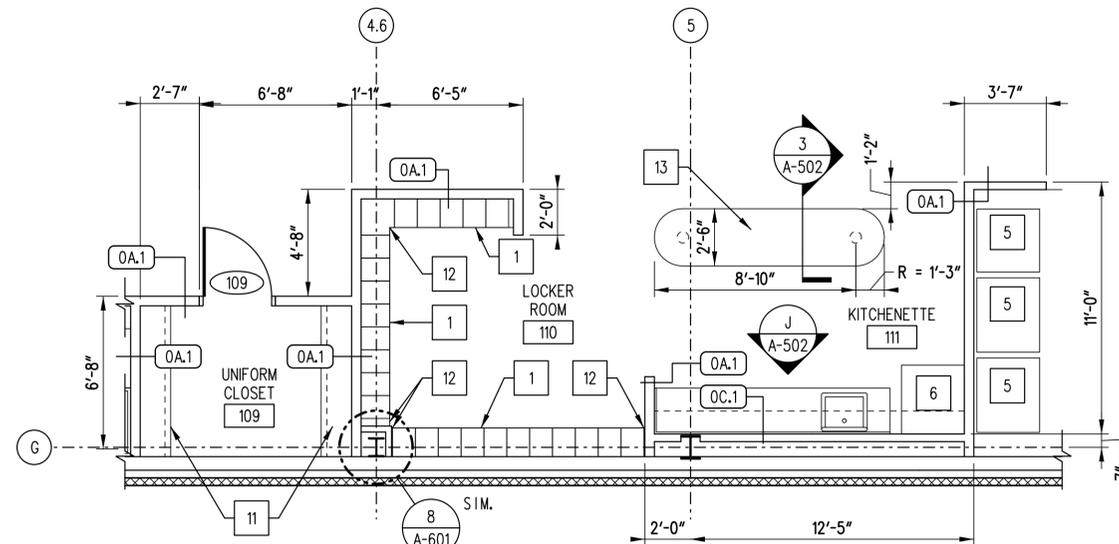
MATCHLINE SEE A-102

MATCHLINE SEE A-102

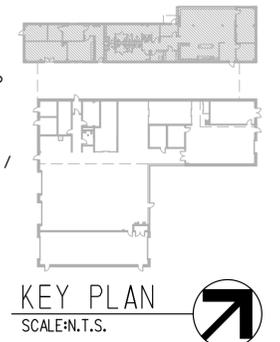
1 FLOOR PLAN - NORTH BUILDING
SCALE: 1/8" = 1'-0"



2 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



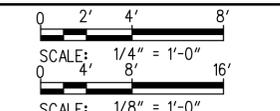
3 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



KEY PLAN
SCALE: N.T.S.

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ADDENDUMS / REVISIONS	



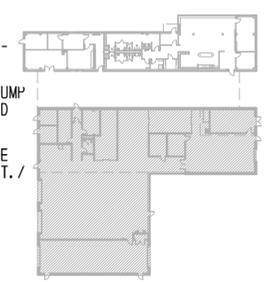
CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: KDM/NCL
	CHECKED BY: EJ

DRAWING NOTES

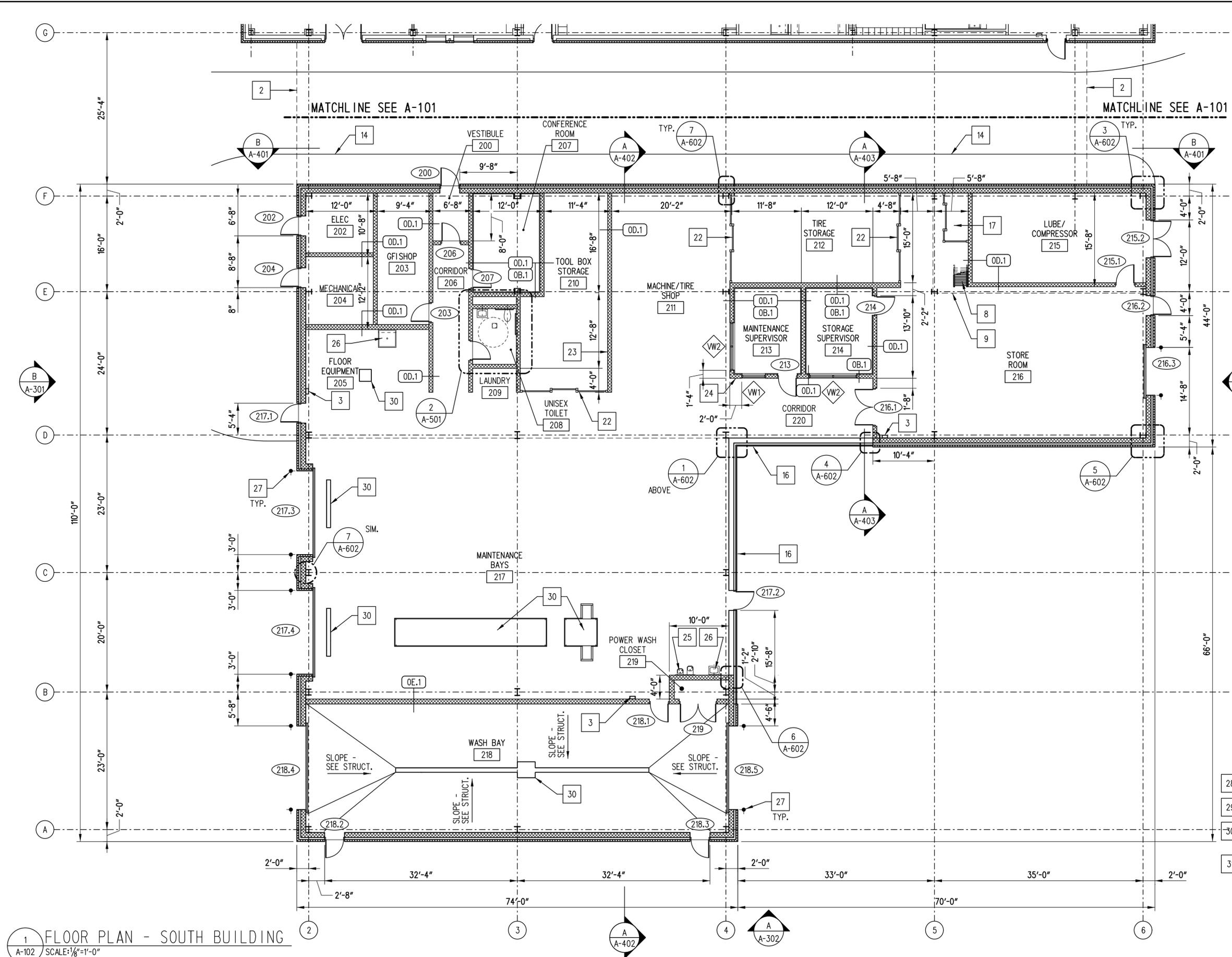
- SPECIFIC CONSTRUCTION NOTES LISTED ON PLAN SHEETS DO NOT NECESSARILY APPLY TO EVERY PLAN SHEET.
- NOT ALL DIMENSIONS, WALL TAGS, OR DOOR NUMBERS ARE PROVIDED ON FLOOR PLANS. SEE ENLARGED PLANS OF AREAS INDICATED ON PLAN FOR SUCH ITEMS.

CONSTRUCTION NOTES

- 12" WIDE BY 15" DEEP DOUBLE TIER LOCKERS
- LINE OF ROOF ABOVE.
- FIRE EXTINGUISHER AND CABINET: SURFACE MTD. (FEC-S) ON CMU WALLS SEMI-RECESSED (FEC-SR) IN STUD WALLS LESS THAN 6" RECESSED (FEC-R) IN STUDS 6" OR GREATER
- 15" WIDE BY 18" DEEP DOUBLE TIER LOCKERS
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- SAFE (NIC)
- ALUMINUM SHIPS LADDER TO MEZZANINE - SEE SHEET A-504 FOR MEZZANINE
- EDGE OF MEZZANINE FLOOR ABOVE - SEE A-504 AND STRUCTURAL
- ROOF ACCESS LADDER AND HATCH ABOVE
- CLOTHES ROD WITH SHELF ABOVE
- METAL FILLER PANEL TO MATCH METAL LOCKER FINISH.
- 1-1/2" PLASTIC LAMINATE COUNTERTOP, PLAM-4.
- EDGE OF EXTERIOR SIDEWALK - SEE CIVIL
- CABINET UNIT HEATER / ACU - SEE MECHANICAL
- CORRUGATED METAL PANEL SIDING
- WIRE MESH GF1 STORAGE CAGE
- FARE PULL VAULT - OWNER FURNISHED AND CONTRACTOR INSTALLED
- THROUGH-WALL PARCEL DROP BOX
- 12" WIDE BY 15" DEEP SINGLE TIER METAL LOCKERS
- REAR LOADING POST OFFICE BOXES
- WIRE MESH PARTITIONS TO UNDERSIDE OF ROOF DECK AND 4070 SLIDING DOOR
- WALL MOUNTED COAT HOOKS - TOTAL (6)
- TIME CLOCK - OWNER FURNISHED AND CONTRACTOR INSTALLED
- ELECTRIC WATER COOLER - SEE PLUMBING
- UTILITY SINK - SEE PLUMBING
- CONCRETE FILLED STEEL PIPE BOLLARDS - SEE CIVIL DRAWINGS

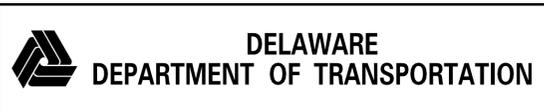


KEY PLAN
SCALE: N.T.S.

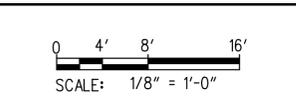


1 FLOOR PLAN - SOUTH BUILDING
A-102 SCALE: 1/8" = 1'-0"

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ADDENDUMS / REVISIONS	



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AND MAINTENANCE FACILITY

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: KDM/NCL
	CHECKED BY: EJ

FLOOR PLAN
SOUTH BUILDING

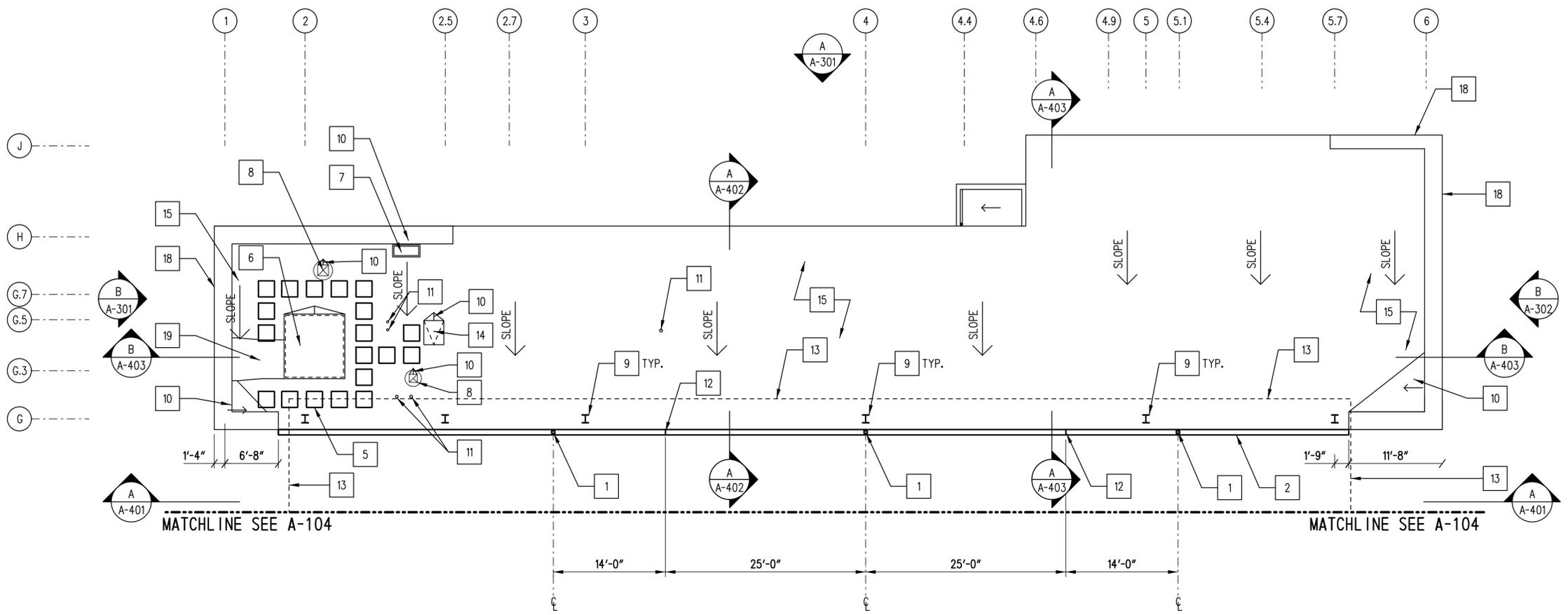
A-102
SHEET NO. 85
TOTAL SHTS. 185

GENERAL NOTES

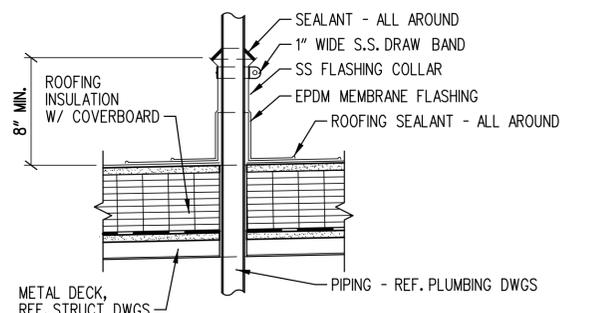
- CONSTRUCTION NOTES LISTED ON ROOF PLAN SHEETS DO NOT NECESSARILY APPEAR ON EVERY ROOF PLAN SHEET.

CONSTRUCTION NOTES

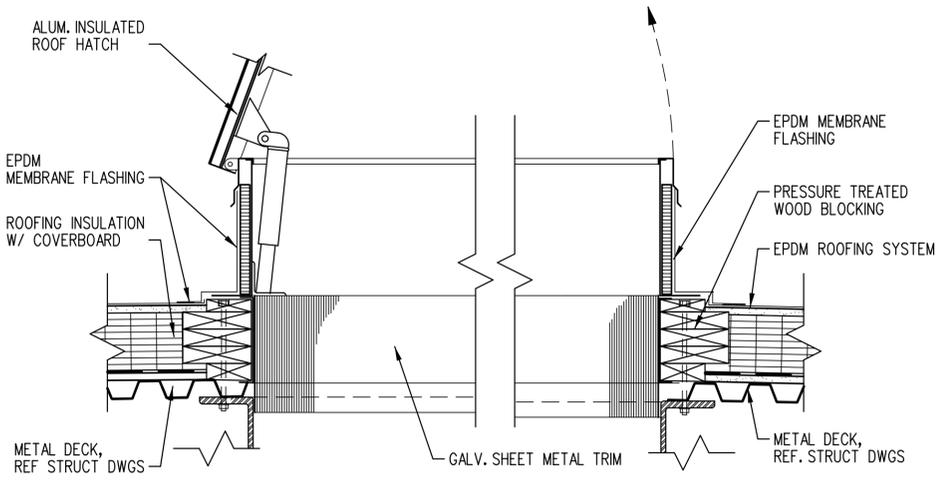
- 4" X 5" ALUMINUM DOWNSPOUT
- 8"X8" ALUMINUM GUTTER
- ROOF DRAINS - SEE PLUMBING AND DETAIL 5/A-103
- ROOF ACCESS LADDER
- ROOF WALKWAY PAD
- ROOF TOP UNIT - SEE MECHANICAL
- CONDENSING UNITS - SEE MECHANICAL
- EXHAUST FAN - SEE MECHANICAL SEE DETAIL 3/A-103 FOR EQUIPMENT CURB
- STRUCTURAL STEEL COLUMN THROUGH ROOF (PAINT PT-5) - SEE DETAIL 2/A-104 FOR FLASHING AT ROOF
- CRICKET
- PLUMBING VENT THROUGH ROOF - SEE 4/A-103 AND PLUMBING
- EXPANSION JOINT IN GUTTER
- LINE OF ROOF EDGE ABOVE
- ROOF ACCESS HATCH - SEE DETAIL 2/A-103.
- EPDM ROOFING SYSTEM ON POLYISOCYANURATE INSULATION
- POLYCARBONATE PANEL GLAZING IN CANOPY - SEE SHEET A-605
- 4" X 5" ALUMINUM DOWNSPOUT TO METAL SPLASH PAN ON ROOF BELOW
- EXTRUDED ALUMINUM FASCIA WITH PRE-FINISHED SNAP-ON ALUMINUM COVER
- DUCTWORK ABOVE ROOF - SEE MECHANICAL



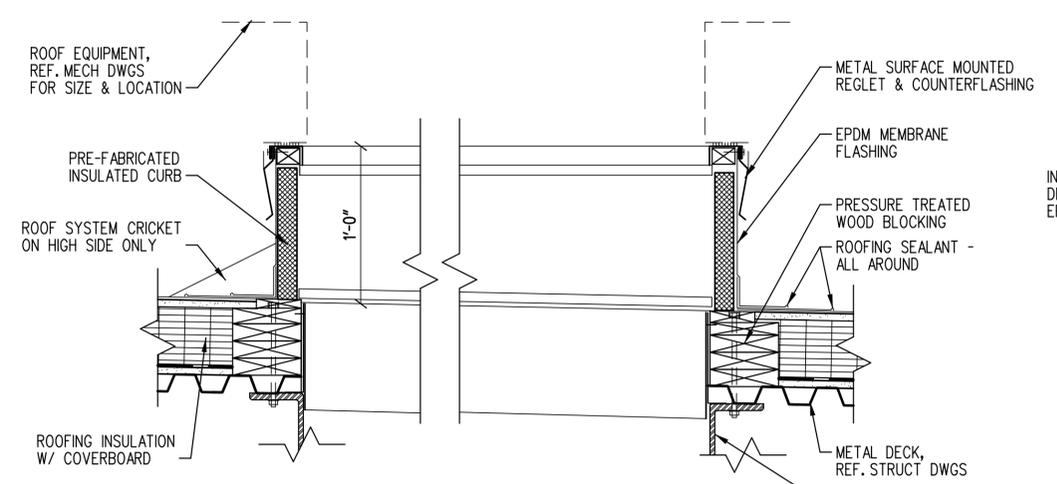
1 ROOF PLAN - NORTH BUILDING
A-103 SCALE: 1/8"=1'-0"



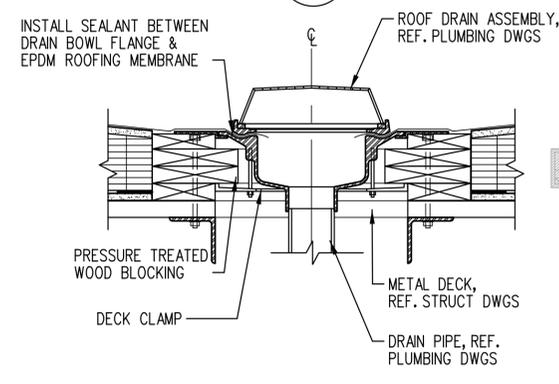
4 DETAIL - TYP. PIPE PENETRATION
A-103 SCALE: 1 1/2"=1'-0"



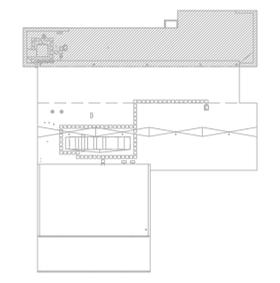
2 DETAIL - ROOF HATCH
A-103 SCALE: 1 1/2"=1'-0"



3 DETAIL - EQUIPMENT CURB
A-103 SCALE: 1 1/2"=1'-0"



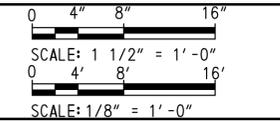
5 DETAIL - ROOF DRAIN
A-103 SCALE: 1 1/2"=1'-0"



KEY PLAN
SCALE:N.T.S.

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ADDENDUMS / REVISIONS	

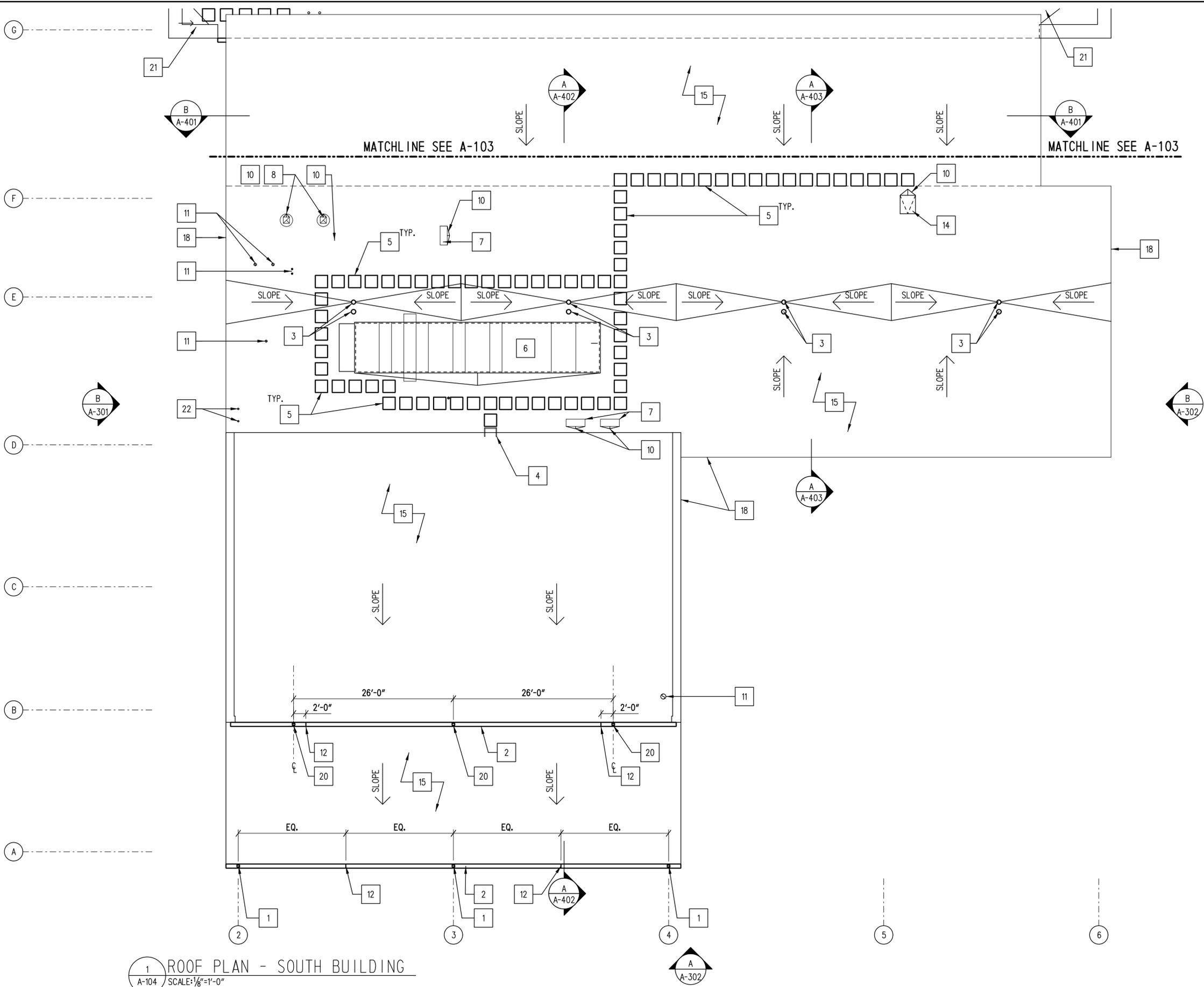


CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: KDM/NCL
	CHECKED BY: EJ

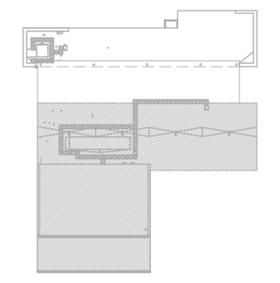
A-103
SHEET NO. 86
TOTAL SHTS. 185

CONSTRUCTION NOTES

- 1 4" X 5" ALUMINUM DOWNSPOUT
- 2 8"X8" ALUMINUM GUTTER
- 3 ROOF DRAINS - SEE PLUMBING AND DETAIL 5/A-103
- 4 ROOF ACCESS LADDER
- 5 ROOF WALKWAY PAD
- 6 ROOF TOP UNIT - SEE MECHANICAL
- 7 CONDENSING UNITS - SEE MECHANICAL
- 8 EXHAUST FAN - SEE MECHANICAL SEE DETAIL 3/A-103 FOR EQUIPMENT CURB
- 9 STRUCTURAL STEEL COLUMN THROUGH ROOF (PAINT PT-5) - SEE DETAIL 2/A-104 FOR FLASHING AT ROOF
- 10 CRICKET
- 11 PLUMBING VENT THROUGH ROOF - SEE 4/A-103 AND PLUMBING
- 12 EXPANSION JOINT IN GUTTER
- 13 LINE OF ROOF EDGE ABOVE
- 14 ROOF ACCESS HATCH - SEE DETAIL 2/A-103.
- 15 EPDM ROOFING SYSTEM ON POLYISOCYANURATE INSULATION
- 16 POLYCARBONATE PANEL GLAZING IN CANOPY - SEE SHEET A-605
- 17 4" X 5" ALUMINUM DOWNSPOUT TO METAL SPLASH PAN ON ROOF BELOW
- 18 EXTRUDED ALUMINUM FASCIA WITH PRE-FINISHED SNAP-ON ALUMINUM COVER
- 19 DUCTWORK ABOVE ROOF - SEE MECHANICAL
- 20 4" X 5" ALUMINUM DOWNSPOUT TO ROOF BELOW
- 21 ROOF OF NORTH BUILDING BELOW - SEE A-103
- 22 LADDER TIE-OFF POINTS ANCHORED TO STRUCTURE BELOW



1 ROOF PLAN - SOUTH BUILDING
 A-104 SCALE: 1/8" = 1'-0"

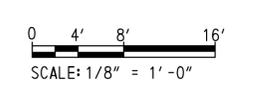


KEY PLAN
 SCALE: N.T.S.

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ADDENDUMS / REVISIONS	



DELAWARE TRANSIT CORPORATION
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CONTRACT	BRIDGE NO.
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COUNTY	DESIGNED BY: KDM/NCL
SUSSEX	CHECKED BY: EJ

ROOF PLAN
SOUTH BUILDING

A-104
SHEET NO.
87
TOTAL SHTS.
185

REFLECTED CEILING PLAN LEGEND

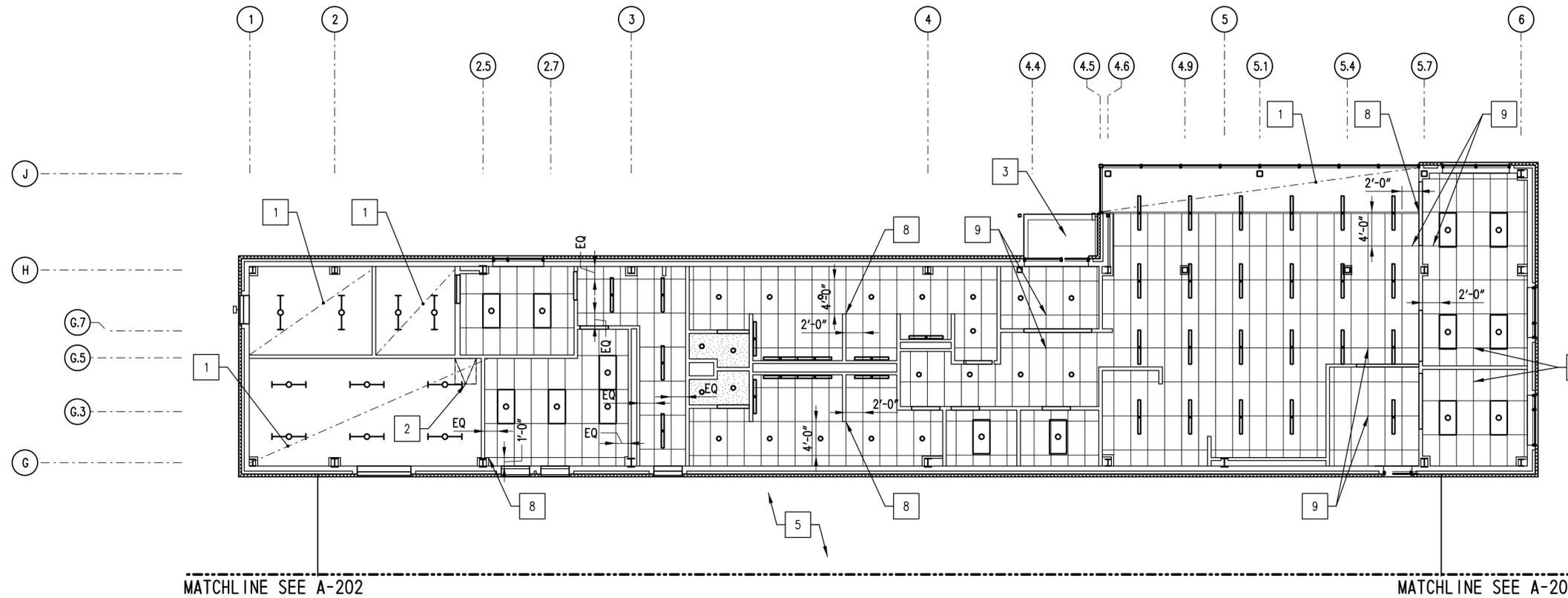
-  2x2 ACOUSTICAL PANEL CEILING
-  GYPSUM BOARD CEILING
-  LIGHTING FIXTURES. SEE ELECTRICAL DRAWINGS
-  DIFFUSERS OR HVAC EQUIPMENT. SEE MECHANICAL DRAWINGS

GENERAL NOTES

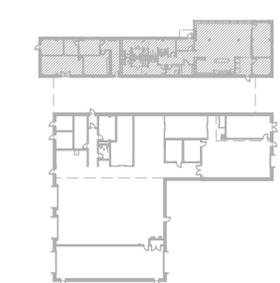
1. SEE FINISH SCHEDULE SHEET A-801 FOR FINISH CEILING HEIGHTS.
2. ALL ACOUSTICAL CEILING GRIDS TO BE CENTERED WITHIN ROOM UNLESS NOTED OTHERWISE.

CONSTRUCTION NOTES

- 1 EXPOSED STRUCTURE AND METAL DECK - PAINTED PT-1
- 2 ROOF ACCESS HATCH - SEE DETAIL 2/A-103
- 3 POLYCARBONATE PANEL GLAZING IN CANOPY ROOF - SEE SHEETS A-503 AND A-605 FOR DETAILS
- 4 EDGE OF MEZZANINE - PAINT STRUCTURE AND DECK ON UNDERSIDE OF MEZZANINE PT-1
- 5 EXPOSED EXTERIOR STRUCTURE AT FUELING LANE - PAINTED PT-5
- 6 WIRE MESH PARTITIONS TO UNDERSIDE OF ROOF DECK
- 7 EXPOSED STRUCTURE IN WASH BAY - PAINTED PT-6
- 8 CEILING GRID ORIGIN POINT
- 9 ALIGN CEILING GRID ACROSS ROOMS



1 REFLECTED CEILING PLAN - NORTH BUILDING
A-201 SCALE: 1/8" = 1'-0"

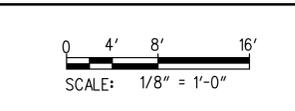


KEY PLAN
SCALE: N.T.S.

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ADDENDUMS / REVISIONS	

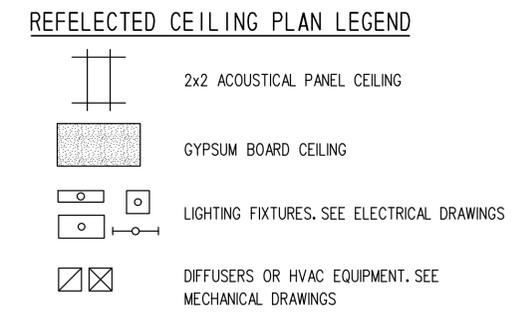
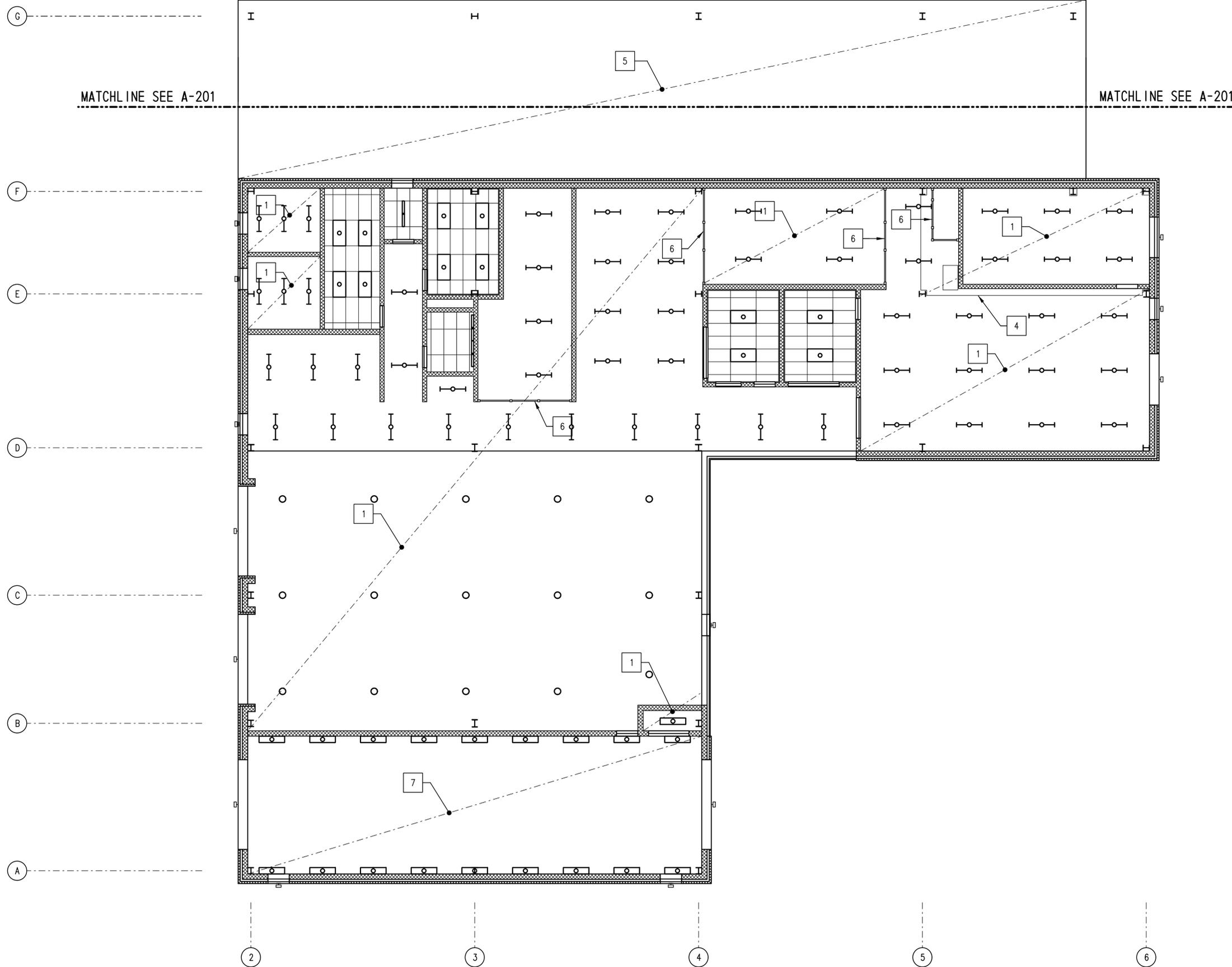


DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: KDM/NCL
	CHECKED BY: EJ

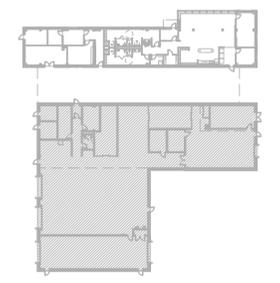
REFLECTED CEILING PLAN
NORTH BUILDING

A-201
SHEET NO. 88
TOTAL SHTS. 185



- GENERAL NOTES**
1. SEE FINISH SCHEDULE SHEET A-801 FOR FINISH CEILING HEIGHTS.
 2. ALL ACOUSTICAL CEILING GRIDS TO BE CENTERED WITHIN ROOM UNLESS NOTED OTHERWISE.

- CONSTRUCTION NOTES**
- 1 EXPOSED STRUCTURE AND METAL DECK - PAINTED PT-1
 - 2 ROOF ACCESS HATCH - SEE DETAIL 2/A-103
 - 3 POLYCARBONATE PANEL GLAZING IN CANOPY ROOF - SEE SHEETS A-503 AND A-605 FOR DETAILS
 - 4 EDGE OF MEZZANINE - PAINT STRUCTURE AND DECK ON UNDERSIDE OF MEZZANINE PT-1
 - 5 EXPOSED EXTERIOR STRUCTURE AT FUELING LANE - PAINTED PT-5
 - 6 WIRE MESH PARTITIONS TO UNDERSIDE OF ROOF DECK
 - 7 EXPOSED STRUCTURE IN WASH BAY - PAINTED PT-6
 - 8 CEILING GRID ORIGIN POINT
 - 9 ALIGN CEILING GRID ACROSS ROOMS



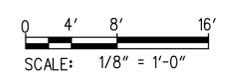
KEY PLAN
SCALE: N.T.S.

1 REFLECTED CEILING PLAN - SOUTH BUILDING
A-202 SCALE: 1/8" = 1'-0"

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ADDENDUMS / REVISIONS	



DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY

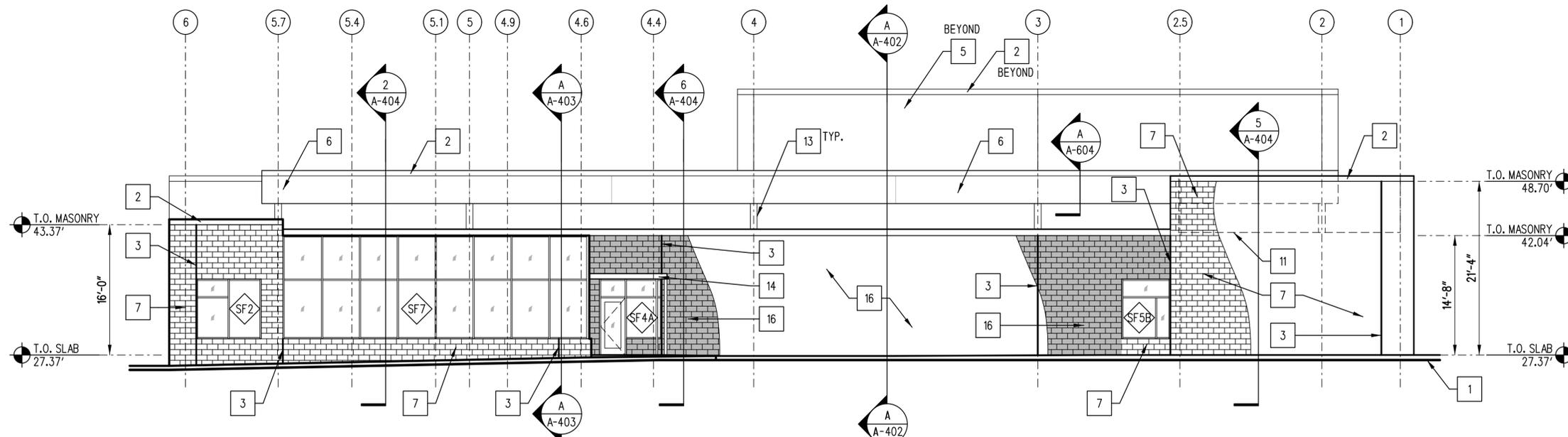
CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: KDM/RJH
	CHECKED BY: EJ

REFLECTED CEILING PLAN
SOUTH BUILDING

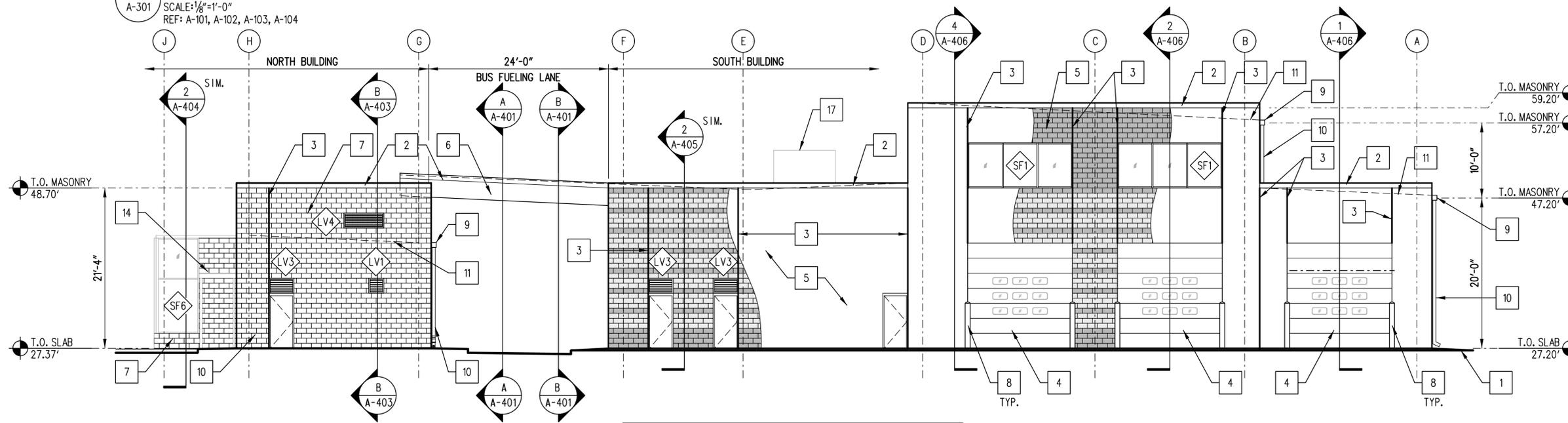
A-202
SHEET NO. 89
TOTAL SHTS. 185

CONSTRUCTION NOTES

- 1 FINISHED GRADE - SEE CIVIL DRAWINGS
- 2 PRE-FINISHED ALUMINUM FASCIA
- 3 1/2" CONTROL JOINT IN CMU VENEER
- 4 MOTOR OPERATED INSULATED OVERHEAD SECTIONAL DOOR
- 5 GROUND FACE CMU VENEER (CMU-1, CMU-2, AND CMU-3) - SEE 1/A-401 FOR PATTERN
- 6 PRE-FINISHED ALUMINUM EXTENDED FASCIA ON BUS LANE CANOPY
- 7 GROUND FACE MASONRY UNIT VENEER (CMU-1)
- 8 CONCRETE FILLED STEEL PIPE BOLLARDS - SEE CIVIL DRAWINGS
- 9 PRE-FINISHED ALUMINUM GUTTER
- 10 PRE-FINISHED ALUMINUM DOWNSPOUT
- 11 DASHED LINE REPRESENTS TOP OF ROOF BEYOND
- 12 PRE-FINISHED CORRUGATED METAL PANEL SIDING ON COLD FORMED FURRING
- 13 STRUCTURAL STEEL COLUMN THROUGH ROOF - PAINT PT-5
- 14 ENTRANCE CANOPY WITH METAL FASCIA - SEE SHEETS A-503 AND A-605
- 15 GROUND FACE MASONRY UNIT VENEER (CMU-2)
- 16 GROUND FACE MASONRY UNIT VENEER (CMU-3)
- 17 ROOFTOP MECHANICAL UNIT - SEE MECH DWGS



A BUILDING ELEVATION - NORTH BUILDING NORTHWEST
 A-301 SCALE: 1/8"=1'-0"
 REF: A-101, A-102, A-103, A-104



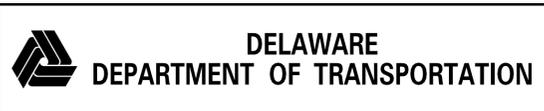
B BUILDING ELEVATION - SOUTHWEST
 A-301 SCALE: 1/8"=1'-0"
 REF: A-101, A-102, A-103, A-104

SOUTH BUILDING CMU COLOR SCHEME - SEE DETAIL 1/A-401

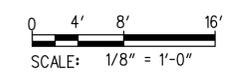
EXTERIOR FINISH SCHEDULE			
NO.	MATERIALS	MANUFACTURER - BASIS OF DESIGN	COLORS
CMU-1	EXTERIOR GROUND FACE CONCRETE MASONRY UNIT	TRENWYTH	TRENDSTONE PLUS; "ALAMO"
CMU-2	EXTERIOR GROUND FACE CONCRETE MASONRY UNIT	TRENWYTH	TRENDSTONE PLUS; "WILLIAMSBURG GREY"
CMU-3	EXTERIOR GROUND FACE CONCRETE MASONRY UNIT	TRENWYTH	TRENDSTONE PLUS; "NATURAL"
GS-1	GLASS	PPG	SOLARBAN 60;"ATLANTICA"
PC-1	POLYCARBONATE PANEL	POLYGAL	11 MM MULTI-CELLED PANEL; CLEAR
PT-4	EXTERIOR PAINT	BENJAMIN MOORE	PAINT: COLOR PREVIEW SERIES; "READY-MIX BRIARWOOD"; PAINTED DOORS & FRAMES, LOUVERS, ENTRY CANOPY FRAMES

EXTERIOR FINISH SCHEDULE (CONT.)			
NO.	MATERIALS	MANUFACTURER - BASIS OF DESIGN	COLORS
PT-5	EXTERIOR PAINT	BENJAMIN MOORE	PAINT: COLOR PREVIEW SERIES; #2134-70, "GENESIS WHITE"; BUS CANOPY STRUCTURE
SF-1	ALUMINUM STOREFRONT FRAMING/ENTRY DOOR FINISH	KAWNEER	ANNODIZED ALUMINUM; COLOR: "MEDIUM BRONZE"
MTP-1	METAL WALL PANEL	PAC-CLAD	METAL WALL PANEL; FLUSH PANEL; COLOR: KYNAR 500, "GRANITE"
MTL-1	EXPOSED METAL FLASHING/GUTTERS & DOWNSPOUTS	PAC-CLAD	KYNAR 500 FLUOROPOLYMER; COLOR: "GRANITE"
MTL-2	EXPOSED METAL FLASHING	PAC-CLAD	KYNAR 500 FLUOROPOLYMER; COLOR: "SIERRA TAN"; CAP FLASHING AT CMU-1 ONLY
MTL-3	METAL FASCIA CANOPY PANEL	PAC-CLAD	KYNAR 500 FLUOROPOLYMER; COLOR: "STONE WHITE"

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ADDENDUMS / REVISIONS	



DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY

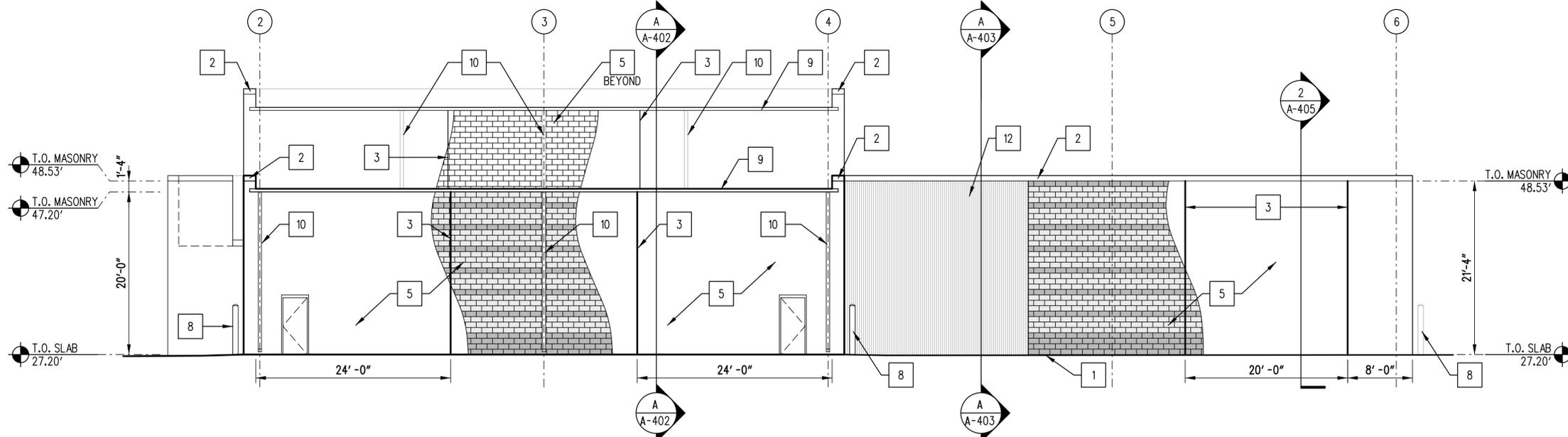
CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: RJH
	CHECKED BY: EJ

BUILDING ELEVATIONS

A-301
SHEET NO. 90
TOTAL SHTS. 185

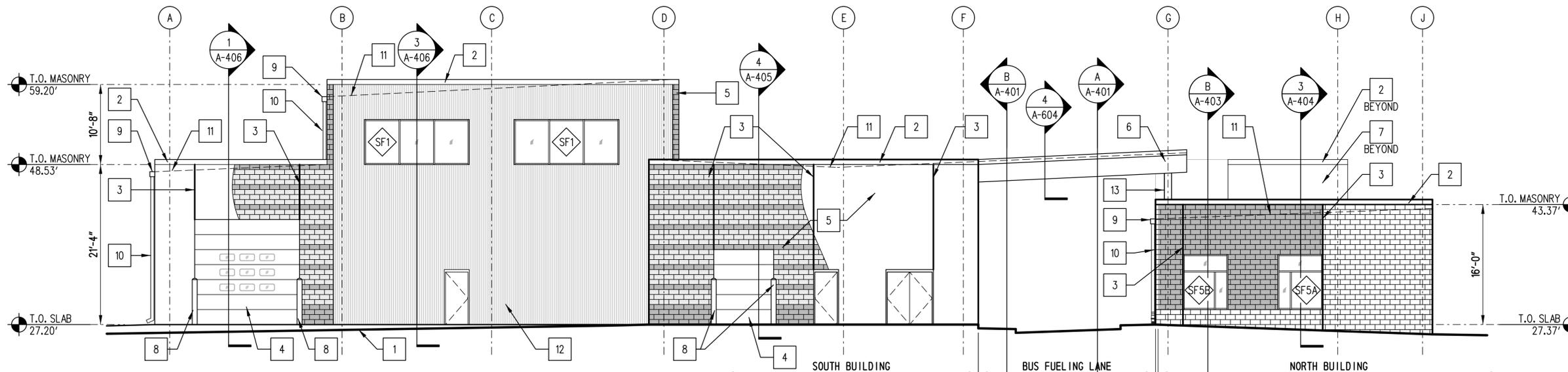
CONSTRUCTION NOTES

- 1 FINISHED GRADE - SEE CIVIL DRAWINGS
- 2 PRE-FINISHED ALUMINUM FASCIA
- 3 1/2" CONTROL JOINT IN CMU VENEER
- 4 MOTOR OPERATED INSULATED OVERHEAD SECTIONAL DOOR
- 5 GROUND FACE CMU VENEER (CMU-1, CMU-2, AND CMU-3) - SEE 1/A-401 FOR PATTERN
- 6 PRE-FINISHED ALUMINUM EXTENDED FASCIA ON BUS LANE CANOPY
- 7 GROUND FACE MASONRY UNIT VENEER (CMU-1)
- 8 CONCRETE FILLED STEEL PIPE BOLLARDS - SEE CIVIL DRAWINGS
- 9 PRE-FINISHED ALUMINUM GUTTER
- 10 PRE-FINISHED ALUMINUM DOWNSPOUT
- 11 DASHED LINE REPRESENTS TOP OF ROOF BEYOND
- 12 PRE-FINISHED CORRUGATED METAL PANEL SIDING ON COLD FORMED FURRING
- 13 STRUCTURAL STEEL COLUMN THROUGH ROOF - PAINT PT-5
- 14 ENTRANCE CANOPY WITH METAL FASCIA - SEE SHEETS A-503 AND A-605
- 15 GROUND FACE MASONRY UNIT VENEER (CMU-2)
- 16 GROUND FACE MASONRY UNIT VENEER (CMU-3)
- 17 ROOFTOP MECHANICAL UNIT - SEE MECH DWGS



A
A-302
BUILDING ELEVATION - SOUTH BUILDING SOUTHEAST
SCALE: 1/8"=1'-0"
REF: A-101, A-102, A-103, A-104

FOR CMU COLOR SCHEME - SEE DETAIL 1/A-401



B
A-302
BUILDING ELEVATION - NORTHEAST
SCALE: 1/8"=1'-0"
REF: A-101, A-102, A-103, A-104

SOUTH BUILDING CMU COLOR SCHEME - SEE DETAIL 1/A-401

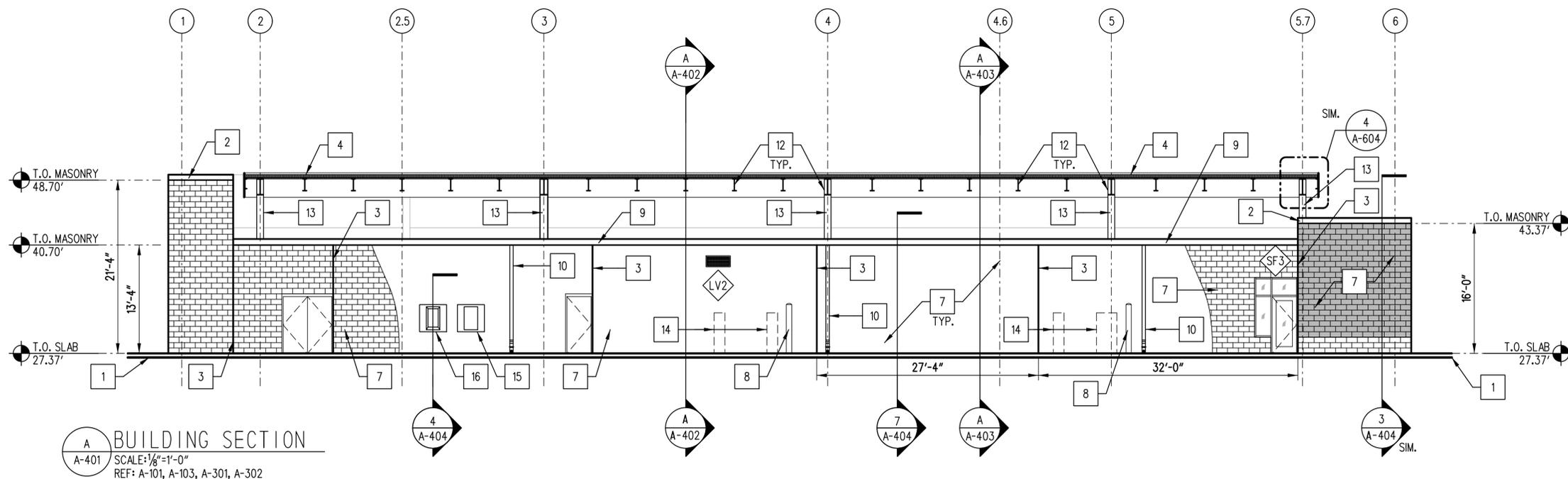
EXTERIOR FINISH SCHEDULE			
NO.	MATERIALS	MANUFACTURER - BASIS OF DESIGN	COLORS
CMU-1	EXTERIOR GROUND FACE CONCRETE MASONRY UNIT	TRENWYTH	TRENDSTONE PLUS; "ALAMO"
CMU-2	EXTERIOR GROUND FACE CONCRETE MASONRY UNIT	TRENWYTH	TRENDSTONE PLUS; "WILLIAMSBURG GREY"
CMU-3	EXTERIOR GROUND FACE CONCRETE MASONRY UNIT	TRENWYTH	TRENDSTONE PLUS; "NATURAL"
GS-1	GLASS	PPG	SOLARBAN 60;"ATLANTICA"
PC-1	POLYCARBONATE PANEL	POLYGAL	11 MM MULTI-CELLED PANEL; CLEAR
PT-4	EXTERIOR PAINT	BENJAMIN MOORE	PAINT: COLOR PREVIEW SERIES; "READY-MIX BRIARWOOD"; PAINTED DOORS & FRAMES, LOUVERS, ENTRY CANOPY FRAMES

EXTERIOR FINISH SCHEDULE (CONT.)			
NO.	MATERIALS	MANUFACTURER - BASIS OF DESIGN	COLORS
PT-5	EXTERIOR PAINT	BENJAMIN MOORE	PAINT: COLOR PREVIEW SERIES; #2134-70, "GENESIS WHITE"; BUS CANOPY STRUCTURE
SF-1	ALUMINUM STOREFRONT FRAMING/ENTRY DOOR FINISH	KAWNEER	ANNOXIDIZED ALUMINUM; COLOR: "MEDIUM BRONZE"
MTP-1	METAL WALL PANEL	PAC-CLAD	METAL WALL PANEL; FLUSH PANEL; COLOR: KYNAR 500, "GRANITE"
MTL-1	EXPOSED METAL FLASHING/GUTTERS & DOWNSPOUTS	PAC-CLAD	KYNAR 500 FLUOROPOLYMER; COLOR: "GRANITE"
MTL-2	EXPOSED METAL FLASHING	PAC-CLAD	KYNAR 500 FLUOROPOLYMER; COLOR: "SIERRA TAN"; CAP FLASHING AT CMU-1 ONLY
MTL-3	METAL FASCIA CANOPY PANEL	PAC-CLAD	KYNAR 500 FLUOROPOLYMER; COLOR: "STONE WHITE"

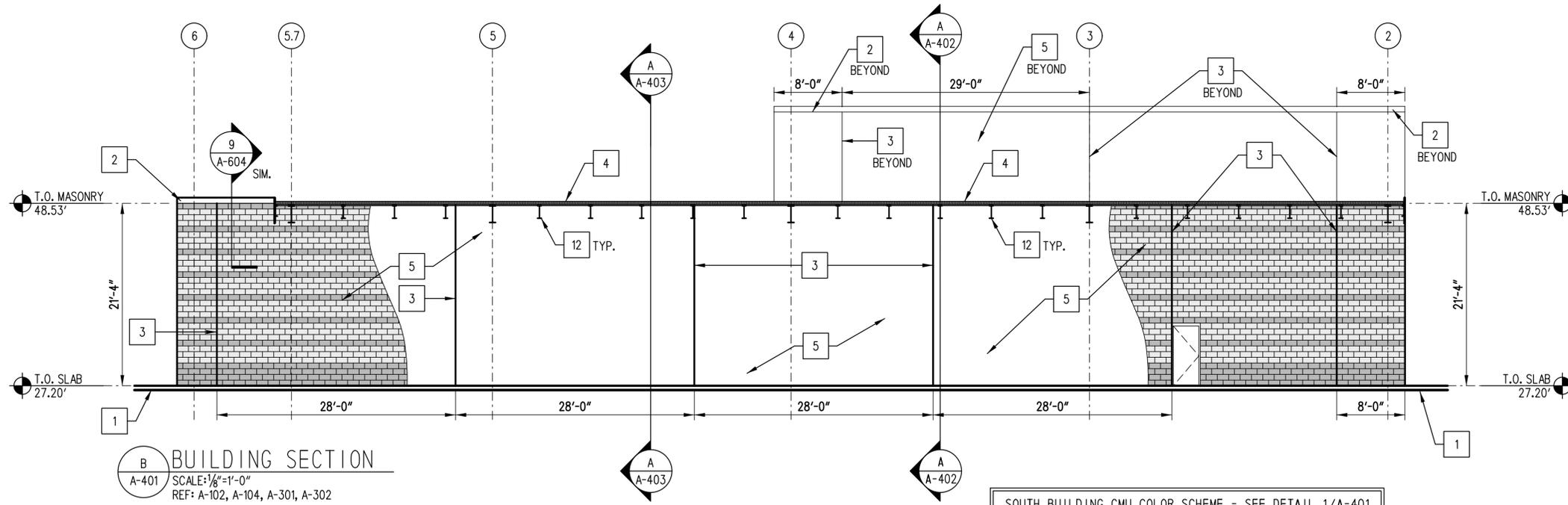
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CONSTRUCTION NOTES

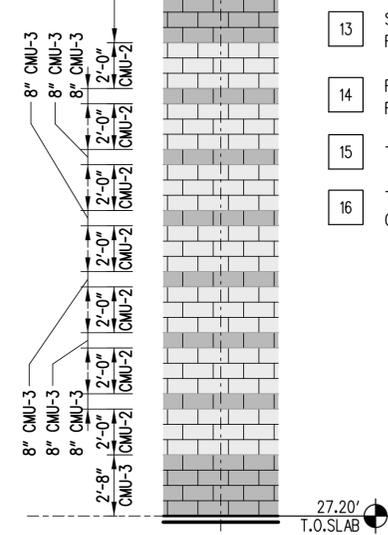
- 1 FINISHED GRADE - SEE CIVIL DRAWINGS
- 2 PRE-FINISHED ALUMINUM FASCIA
- 3 1/2" CONTROL JOINT IN CMU VENEER
- 4 EPDM MEMBRANE ROOFING AND INSULATION ON METAL DECK - SEE WALL SECTIONS AND DETAILS
- 5 GROUND FACE CMU VENEER (CMU-1, CMU-2, AND CMU-3) - SEE 1/A-401 FOR PATTERN
- 6 PRE-FINISHED ALUMINUM EXTENDED FASCIA ON BUS LANE CANOPY
- 7 GROUND FACE MASONRY UNIT VENEER (CMU-1)
- 8 CONCRETE FILLED STEEL PIPE BOLLARDS - SEE CIVIL DRAWINGS
- 9 PRE-FINISHED ALUMINUM GUTTER
- 10 PRE-FINISHED ALUMINUM DOWNSPOUT
- 11 DASHED LINE REPRESENTS TOP OF ROOF BEYOND
- 12 EXPOSED EXTERIOR STRUCTURAL STEEL ROOF FRAMING AND DECK - PAINT PT-5
- 13 STRUCTURAL STEEL COLUMN THROUGH ROOF - PAINT PT-5
- 14 FUEL DISPENSING UNITS - SEE EQUIPMENT AND PLUMBING DRAWINGS
- 15 THROUGH WALL PARCEL DROP BOX
- 16 THROUGH WALL VAULT - OWNER FURNISHED / CONTRACTOR INSTALLED - SEE DETAIL 4/A-404



A BUILDING SECTION
 A-401 SCALE: 1/8" = 1'-0"
 REF: A-101, A-103, A-301, A-302



B BUILDING SECTION
 A-401 SCALE: 1/8" = 1'-0"
 REF: A-102, A-104, A-301, A-302



1 EXTERIOR CMU - COLOR SCHEME
 A-401 SCALE: 1/4" = 1'-0"
 REF: A-301, A-302, A-401

SOUTH BUILDING CMU COLOR SCHEME - SEE DETAIL 1/A-401

EXTERIOR FINISH SCHEDULE

NO.	MATERIALS	MANUFACTURER - BASIS OF DESIGN	COLORS
CMU-1	EXTERIOR GROUND FACE CONCRETE MASONRY UNIT	TRENWYTH	TRENDSTONE PLUS; "ALAMO"
CMU-2	EXTERIOR GROUND FACE CONCRETE MASONRY UNIT	TRENWYTH	TRENDSTONE PLUS; "WILLIAMSBURG GREY"
CMU-3	EXTERIOR GROUND FACE CONCRETE MASONRY UNIT	TRENWYTH	TRENDSTONE PLUS; "NATURAL"
GS-1	GLASS	PPG	SOLARBAN 60;"ATLANTICA"
PC-1	POLYCARBONATE PANEL	POLYGAL	11 MM MULTI-CELLED PANEL; CLEAR
PT-4	EXTERIOR PAINT	BENJAMIN MOORE	PAINT: COLOR PREVIEW SERIES; "READY-MIX BRIARWOOD"; PAINTED DOORS & FRAMES, LOUVERS, ENTRY CANOPY FRAMES

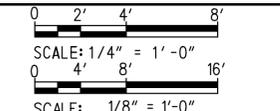
EXTERIOR FINISH SCHEDULE (CONT.)

NO.	MATERIALS	MANUFACTURER - BASIS OF DESIGN	COLORS
PT-5	EXTERIOR PAINT	BENJAMIN MOORE	PAINT: COLOR PREVIEW SERIES; #2134-70, "GENESIS WHITE";BUS CANOPY STRUCTURE
SF-1	ALUMINUM STOREFRONT FRAMING/ENTRY DOOR FINISH	KAWNEER	ANNODIZED ALUMINUM; COLOR: "MEDIUM BRONZE"
MTLP-1	METAL WALL PANEL	PAC-CLAD	METAL WALL PANEL; FLUSH PANEL; COLOR: KYNAR 500, "GRANITE"
MTL-1	EXPOSED METAL FLASHING/GUTTERS & DOWNSPOUTS	PAC-CLAD	KYNAR 500 FLUOROPOLYMER; COLOR: "GRANITE"
MTL-2	EXPOSED METAL FLASHING	PAC-CLAD	KYNAR 500 FLUOROPOLYMER; COLOR: "SIERRA TAN"; CAP FLASHING AT CMU-1 ONLY
MTL-3	METAL FASCIA CANOPY PANEL	PAC-CLAD	KYNAR 500 FLUOROPOLYMER; COLOR: "STONE WHITE"

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ADDENDUMS / REVISIONS



DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: KDM/RJH
	CHECKED BY: EJ

BUILDING SECTIONS

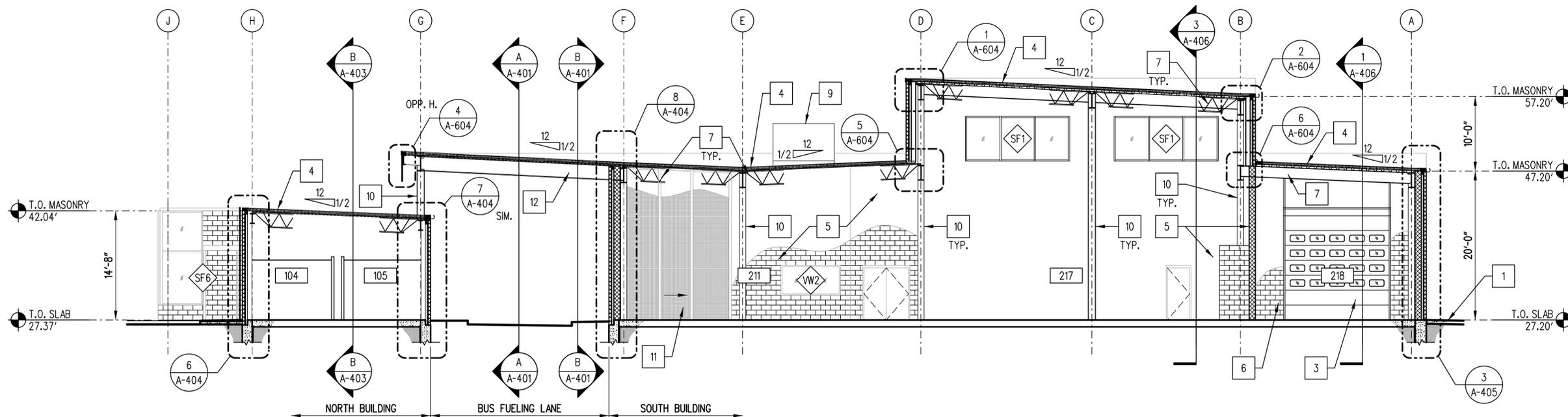
A-401
SHEET NO. 92
TOTAL SHTS. 185

GENERAL NOTES

- SPECIFIC CONSTRUCTION NOTES LISTED ON BUILDING SECTION SHEETS DO NOT NECESSARILY APPLY TO EVERY BUILDING SECTION SHEET.

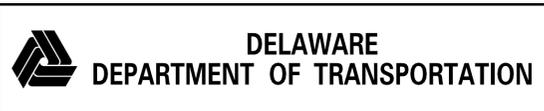
CONSTRUCTION NOTES

- FINISHED GRADE - SEE CIVIL DRAWINGS
- PRE-FINISHED ALUMINUM FASCIA
- MOTOR-OPERATED INSULATED OVERHEAD SECTIONAL DOOR
- EPDM MEMBRANE ROOFING AND INSULATION ON METAL DECK - SEE WALL SECTIONS AND DETAILS
- INTERIOR CMU PARTITIONS (TYPICAL)
- PRE-FINISHED ALUMINUM EXTENDED FASCIA ON BUS LANE CANOPY
- EXPOSED STRUCTURE AND METAL DECK - PAINTED PT-1
- ROOF ACCESS HATCH - SEE DETAIL 2/A-103
- ROOFTOP MOUNTED MECHANICAL UNITS - SEE MECHANICAL
- EXPOSED STRUCTURAL STEEL COLUMNS - PAINT TO MATCH ADJACENT WALL
- WIRE MESH PARTITIONS TO UNDERSIDE OF ROOF DECK AND 4070 SLIDING DOOR
- EXPOSED EXTERIOR STRUCTURAL STEEL ROOF FRAMING AND DECK - PAINT PT-5
- STRUCTURAL STEEL COLUMN THROUGH ROOF - PAINT PT-5
- METAL LADDER TO ROOF HATCH - SEE STRUCTURAL

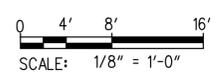


A-402 BUILDING SECTION
 SCALE: 1/8" = 1'-0"
 REF: A-101, A-102, A-103, A-104, A-301, A-302, A-401

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ADDENDUMS / REVISIONS	



DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: KDM/RJH
	CHECKED BY: EJ

BUILDING SECTIONS
SHEET NO. 93
TOTAL SHTS. 185

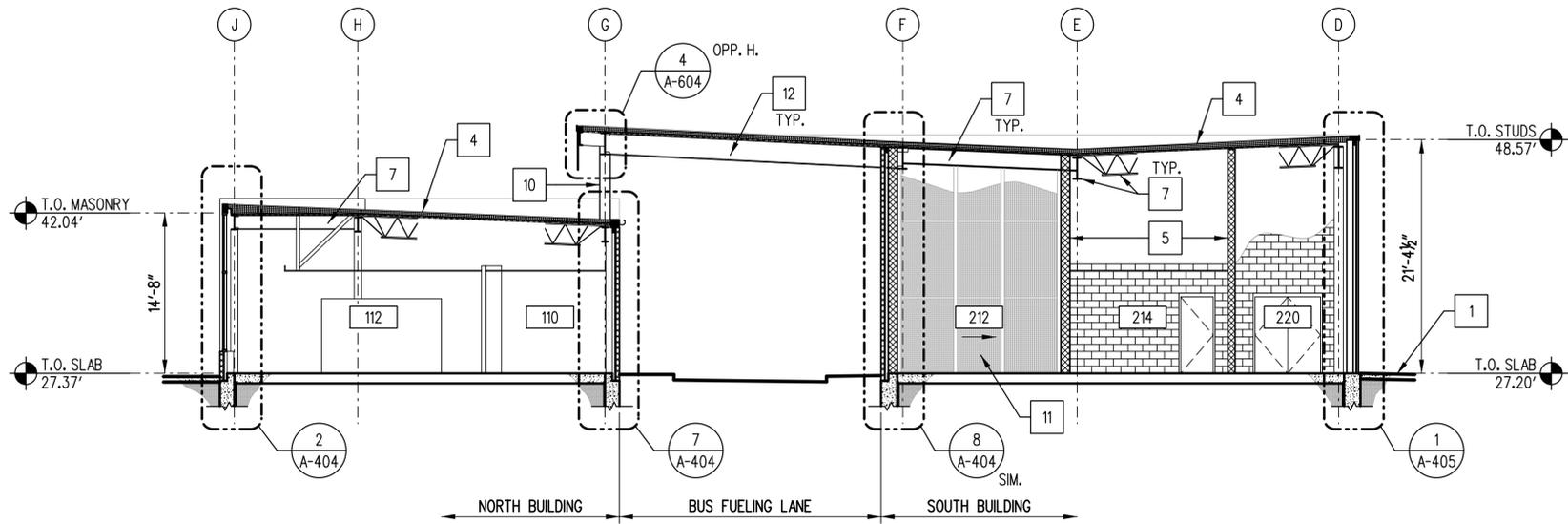
A-402

GENERAL NOTES

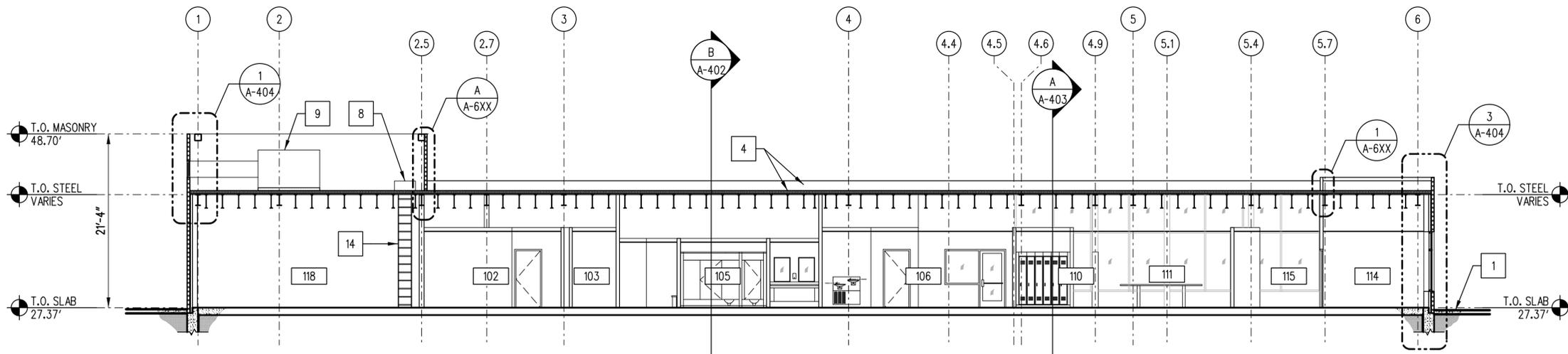
- SPECIFIC CONSTRUCTION NOTES LISTED ON BUILDING SECTION SHEETS DO NOT NECESSARILY APPLY TO EVERY BUILDING SECTION SHEET.

CONSTRUCTION NOTES

- FINISHED GRADE - SEE CIVIL DRAWINGS
- PRE-FINISHED ALUMINUM FASCIA
- MOTOR-OPERATED INSULATED OVERHEAD SECTIONAL DOOR
- EPDM MEMBRANE ROOFING AND INSULATION ON METAL DECK - SEE WALL SECTIONS AND DETAILS
- INTERIOR CMU PARTITIONS (TYPICAL)
- PRE-FINISHED ALUMINUM EXTENDED FASCIA ON BUS LANE CANOPY
- EXPOSED STRUCTURE AND METAL DECK - PAINTED PT-1
- ROOF ACCESS HATCH - SEE DETAIL 2/A-103
- ROOFTOP MOUNTED MECHANICAL UNITS - SEE MECHANICAL
- EXPOSED STRUCTURAL STEEL COLUMNS - PAINT TO MATCH ADJACENT WALL
- WIRE MESH PARTITIONS TO UNDERSIDE OF ROOF DECK AND 4070 SLIDING DOOR
- EXPOSED EXTERIOR STRUCTURAL STEEL ROOF FRAMING AND DECK - PAINT PT-5
- STRUCTURAL STEEL COLUMN THROUGH ROOF - PAINT PT-5
- METAL LADDER TO ROOF HATCH - SEE STRUCTURAL



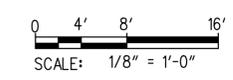
A BUILDING SECTION
 A-403 SCALE: 1/8" = 1'-0"
 REF: A-101, A-102, A-103, A-104, A-301, A-401



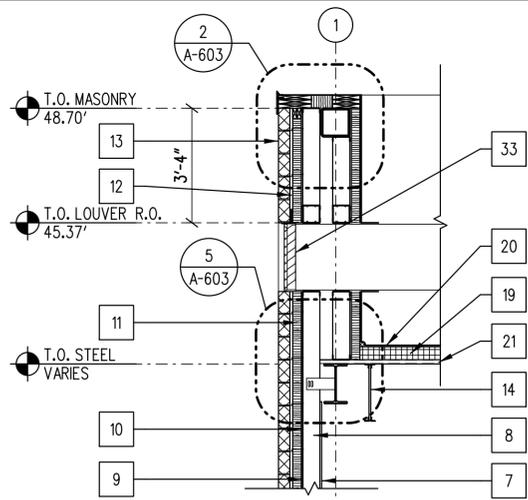
B BUILDING SECTION
 A-403 SCALE: 1/8" = 1'-0"
 REF: A-101, A-103, A-301, A-302

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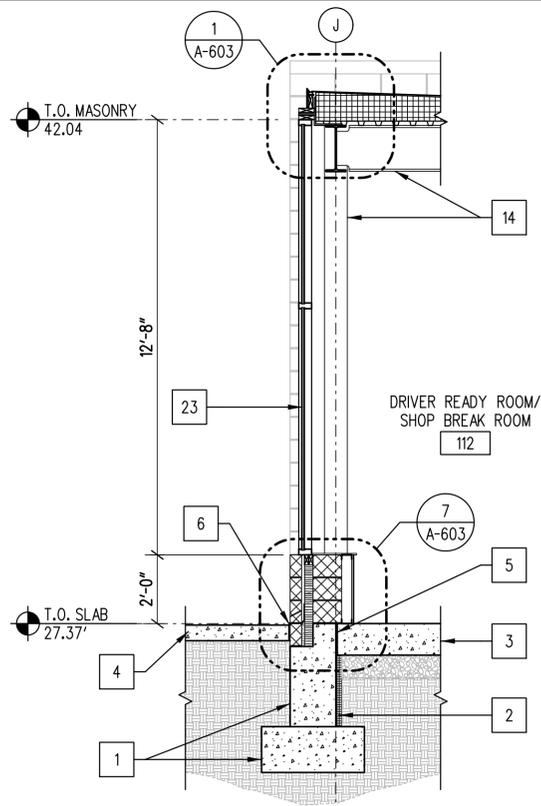
ADDENDUMS / REVISIONS	



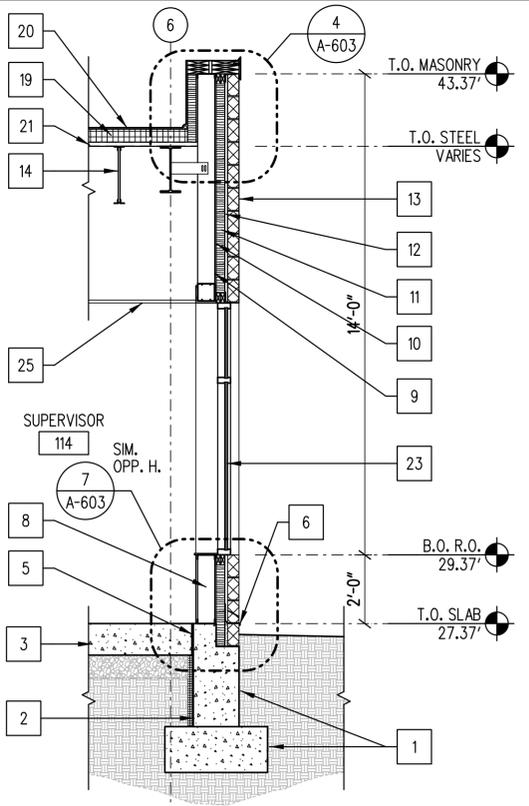
CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: KDM/RJH
	CHECKED BY: EJ



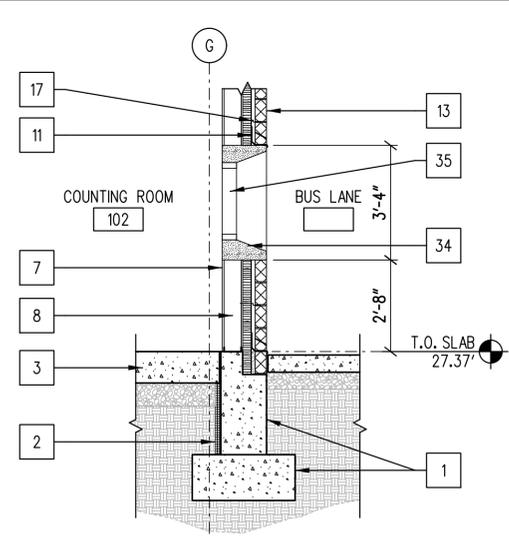
1 WALL SECTION
A-404 SCALE: 3/8"=1'-0"
REF: A-403



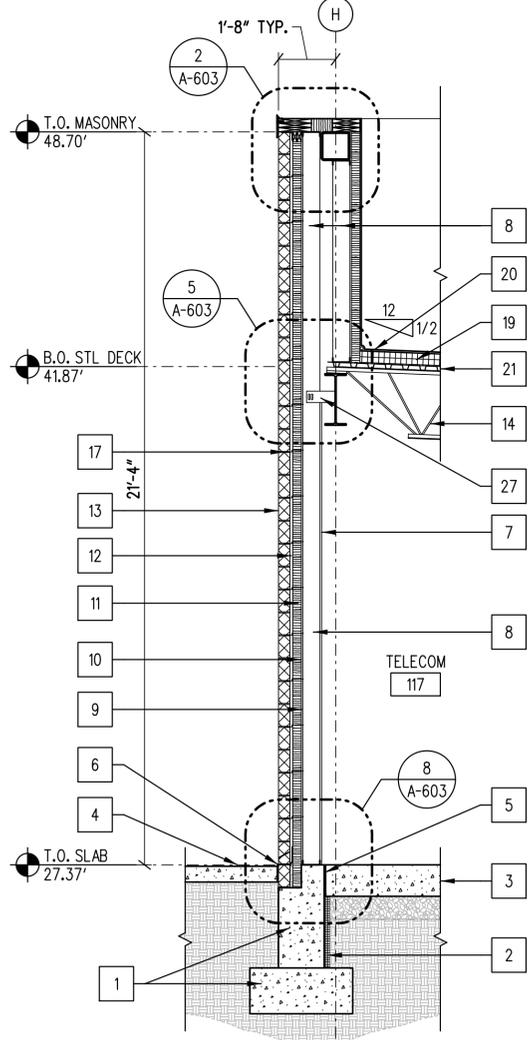
2 WALL SECTION
A-404 SCALE: 3/8"=1'-0"
REF: A-301, A-403



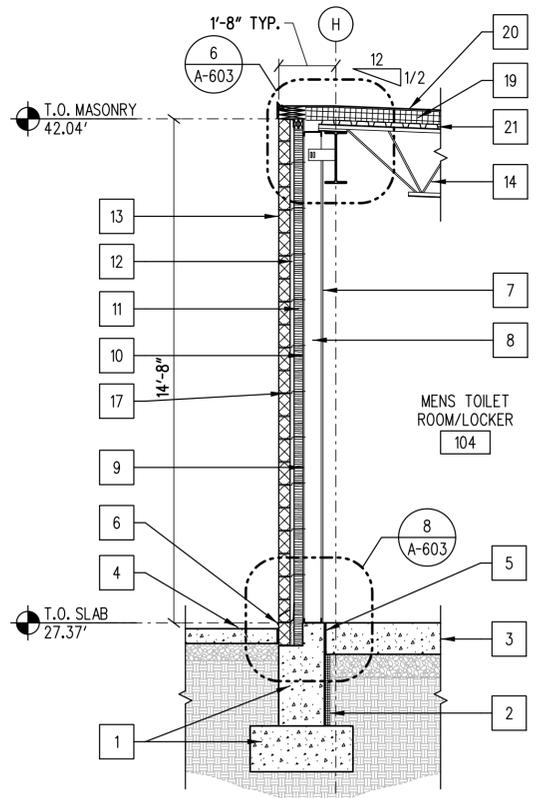
3 WALL SECTION
A-404 SCALE: 3/8"=1'-0"
REF: A-302, A-401, A-403



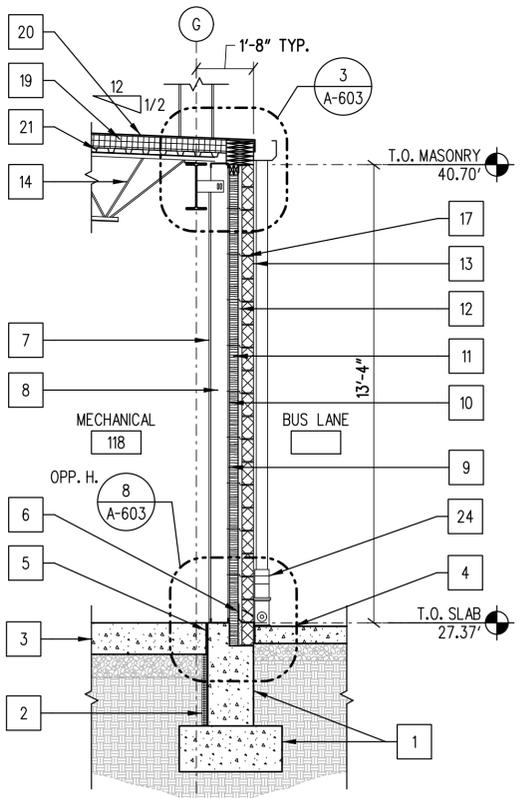
4 PARTIAL WALL SECTION
A-404 SCALE: 3/8"=1'-0"
REF: A-404



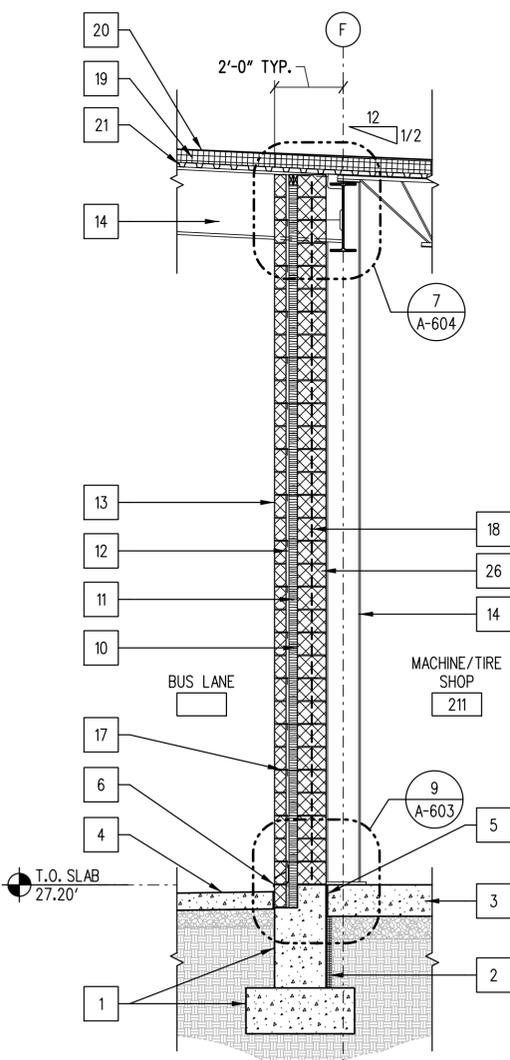
5 WALL SECTION
A-404 SCALE: 3/8"=1'-0"
REF: A-301



6 WALL SECTION
A-404 SCALE: 3/8"=1'-0"
REF: A-301, A-402



7 WALL SECTION
A-404 SCALE: 3/8"=1'-0"
REF: A-401, A-402, A-403



8 WALL SECTION
A-404 SCALE: 3/8"=1'-0"
REF: A-402, A-403

GENERAL NOTES

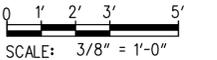
1. SPECIFIC CONSTRUCTION NOTES LISTED ON WALL SECTION SHEETS DO NOT NECESSARILY APPLY TO EVERY WALL SECTION SHEET.

CONSTRUCTION NOTES

- 1 CAST-IN-PLACE CONCRETE FOUNDATION - SEE STRUCTURAL
- 2 2" RIGID PERIMETER INSULATION (INS-1)
- 3 CAST-IN-PLACE CONCRETE FLOOR SLAB - SEE STRUCTURAL
- 4 CONCRETE SIDEWALK - SEE CIVIL
- 5 CONCRETE SLAB CONTROL JOINT - SEE STRUCTURAL
- 6 EMBEDDED MASONRY THROUGH-WALL FLASHING
- 7 5/8" GYPSUM BOARD
- 8 EXTERIOR COLD-FORMED STEEL STUD FRAMING - SSMA 600S162-97 AT 12" O.C.
- 9 1/2" EXTERIOR GLASS-MAT GYPSUM SHEATHING
- 10 FLUID-APPLIED, VAPOR PREAMBLE AIR BARRIER
- 11 3" POLYISOCYANURATE BOARD INSULATION (INS-2)
- 12 AIR SPACE - PROVIDE CAVITY DRAINAGE MATERIAL AT ALL FLASHING LOCATIONS
- 13 4" NOM. GROUND FACE CMU VENEER - SEE ELEVATIONS FOR TYPES
- 14 STEEL FRAMING - SEE STRUCTURAL
- 15 CORRUGATED METAL PANEL SIDING
- 16 CONCRETE FILLED STEEL PIPE BOLLARDS - SEE CIVIL
- 17 MASONRY VENEER TIES AND ANCHORS AT 16" O.C EACH WAY - TYPICAL
- 18 VERTICAL CMU REINFORCING - CONT. #5 BARS IN FULLY GROUTED CELLS AT 24" O.C.
- 19 RIGID ROOF INSULATION - R-20 MIN W/ COVER BOARD
- 20 EPDM ROOFING MEMBRANE
- 21 STEEL DECK - SEE STRUCTURAL
- 22 EXTERIOR PAVING - SEE CIVIL
- 23 ALUMINUM STOREFRONT WINDOW SYSTEM
- 24 PRE-FINISHED ALUMINUM DOWNSPOUT TO SPLASH BLOCKS, PANS, OR BOOTS PER ROOF PLANS
- 25 ACOUSTICAL PANEL CEILING
- 26 10" NOMINAL CMU BACKUP WALL
- 27 DEFLECTION CLIP
- 28 EXTERIOR COLD-FORMED STEEL STUD FRAMING - (2) SSMA 600S162-97 BACK TO BACK AT 12" O.C.
- 29 CONTINUOUS CMU BOND BEAM - (2) #5 BARS TYPICAL
- 30 TRENCH DRAIN - SEE STRUCTURAL AND PLUMBING
- 31 HORIZONTAL JOINT REINFORCING AT 16" O.C. VERTICALLY
- 32 INSULATED OVERHEAD SECTIONAL DOOR
- 33 ALUMINUM LOUVER - SEE ELEVATIONS AND SHEET A-807
- 34 CONCRETE SURROUND FOR FARE PULL VAULT WALL OPENING - COORDINATE WITH MANUFACTURER'S DETAILS FOR OWNER FURNISHED VAULT

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ADDENDUMS / REVISIONS	



CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: RJH
	CHECKED BY: EJ

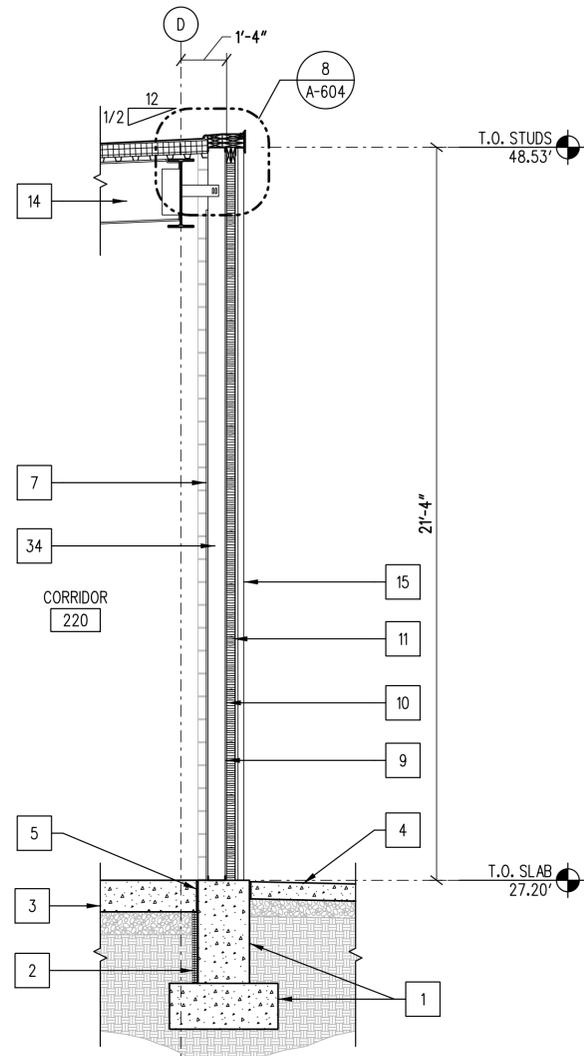
A-404
SHEET NO. 95
TOTAL SHTS. 185

GENERAL NOTES

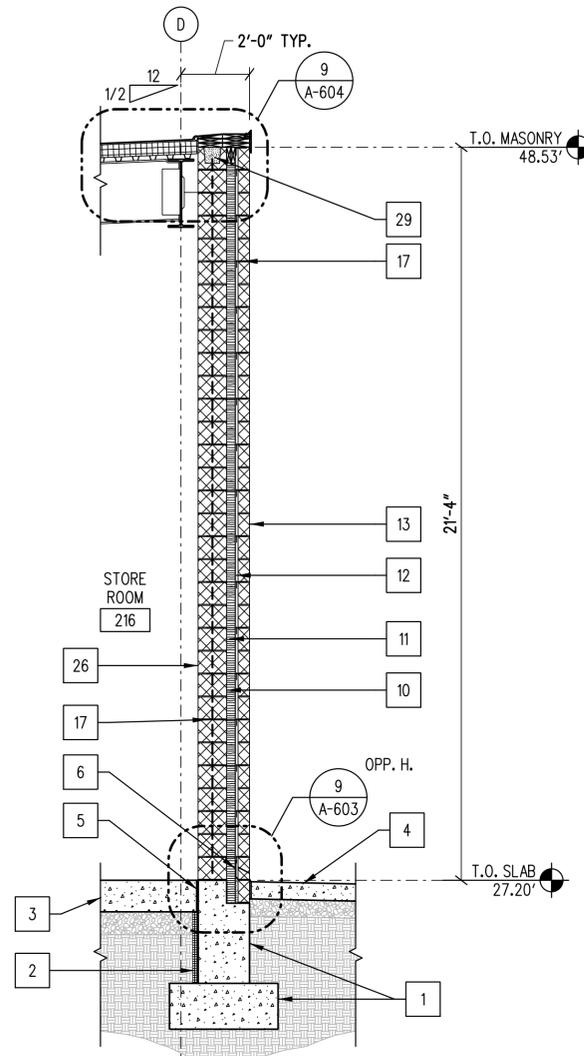
- SPECIFIC CONSTRUCTION NOTES LISTED ON WALL SECTION SHEETS DO NOT NECESSARILY APPLY TO EVERY WALL SECTION SHEET.

CONSTRUCTION NOTES

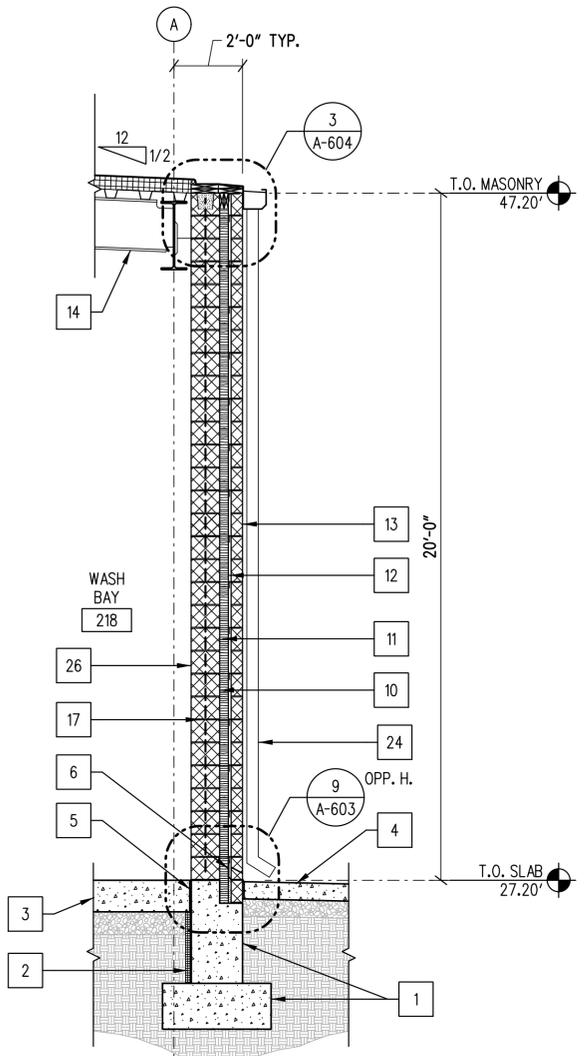
- CAST-IN-PLACE CONCRETE FOUNDATION - SEE STRUCTURAL
- 2" RIGID PERIMETER INSULATION (INS-1)
- CAST-IN-PLACE CONCRETE FLOOR SLAB - SEE STRUCTURAL
- CONCRETE SIDEWALK - SEE CIVIL
- CONCRETE SLAB CONTROL JOINT - SEE STRUCTURAL
- EMBEDDED MASONRY THROUGH-WALL FLASHING
- 5/8" GYPSUM BOARD
- EXTERIOR COLD-FORMED STEEL STUD FRAMING - SSMA 600S162-97 AT 12" O.C.
- 1/2" EXTERIOR GLASS-MAT GYPSUM SHEATHING
- FLUID-APPLIED, VAPOR PERMEABLE AIR BARRIER
- 3" POLYISOCYANURATE BOARD INSULATION (INS-2)
- AIR SPACE - PROVIDE CAVITY DRAINAGE MATERIAL AT ALL FLASHING LOCATIONS
- 4" NOM. GROUND FACE CMU VENEER - SEE ELEVATIONS FOR TYPES
- STEEL FRAMING - SEE STRUCTURAL
- CORRUGATED METAL PANEL SIDING
- CONCRETE FILLED STEEL PIPE BOLLARDS - SEE CIVIL
- MASONRY VENEER TIES AND ANCHORS AT 16" O.C EACH WAY - TYPICAL
- VERTICAL CMU REINFORCING - CONT. #5 BARS IN FULLY GROUTED CELLS AT 24" O.C.
- RIGID ROOF INSULATION - R-20 MIN W/ COVER BOARD
- EPDM ROOFING MEMBRANE
- STEEL DECK - SEE STRUCTURAL
- EXTERIOR PAVING - SEE CIVIL
- ALUMINUM STOREFRONT WINDOW SYSTEM
- PRE-FINISHED ALUMINUM DOWNSPOUT TO SPLASH BLOCKS, PANS, OR BOOTS PER ROOF PLANS
- ACOUSTICAL PANEL CEILING
- 10" NOMINAL CMU BACKUP WALL
- DEFLECTION CLIP
- EXTERIOR COLD-FORMED STEEL STUD FRAMING - (2) SSMA 600S162-97 BACK TO BACK AT 12" O.C.
- CONTINUOUS CMU BOND BEAM - (2) #5 BARS TYPICAL
- TRENCH DRAIN - SEE STRUCTURAL AND PLUMBING
- HORIZONTAL JOINT REINFORCING AT 16" O.C. VERTICALLY
- INSULATED OVERHEAD SECTIONAL DOOR
- ALUMINUM LOUVER - SEE ELEVATIONS AND SHEET A-807
- CONCRETE SURROUND FOR FARE PULL VAULT WALL OPENING - COORDINATE WITH MANUFACTURER'S DETAILS FOR OWNER FURNISHED VAULT



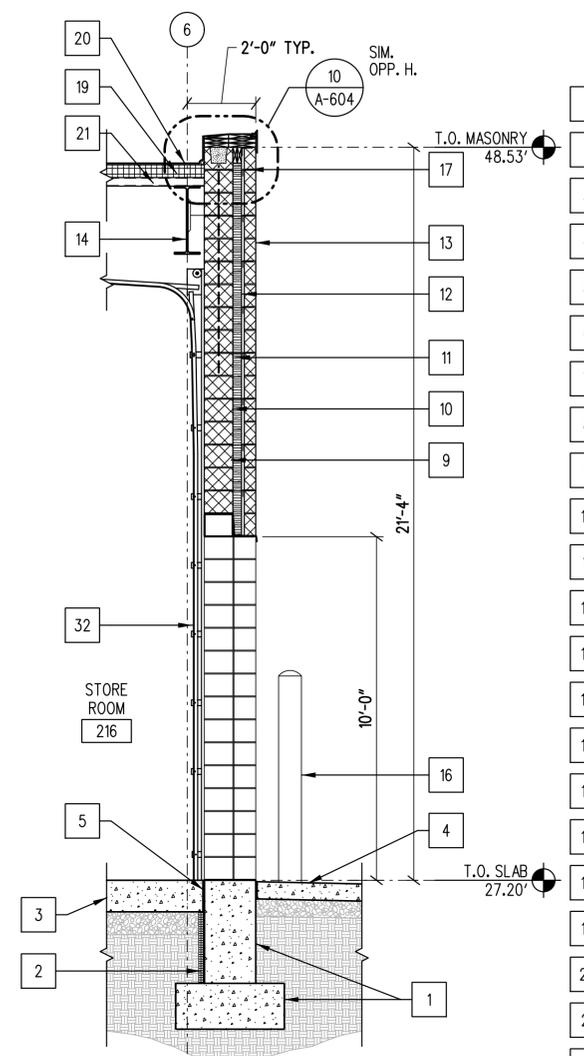
1 WALL SECTION
A-405 SCALE: 3/8" = 1'-0"
REF: A-302, A-403



2 WALL SECTION
A-405 SCALE: 3/8" = 1'-0"
REF: A-301, A-302

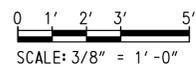


3 WALL SECTION
A-405 SCALE: 3/8" = 1'-0"
REF: A-402



4 WALL SECTION
A-405 SCALE: 3/8" = 1'-0"
REF: A-302

ADDENDUMS / REVISIONS



DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY

CONTRACT	BRIDGE NO.
T200612502	
COUNTY	DESIGNED BY: RJH
SUSSEX	CHECKED BY: EJ

WALL SECTIONS

A-405

SHEET NO.

96

TOTAL SHTS.

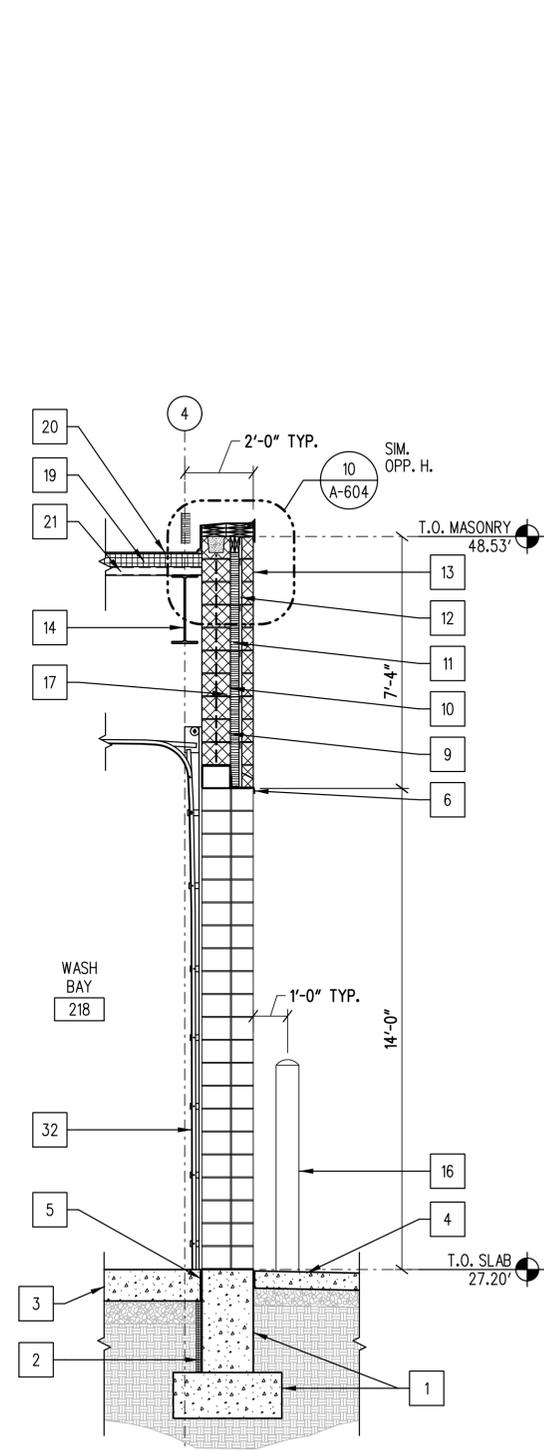
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GENERAL NOTES

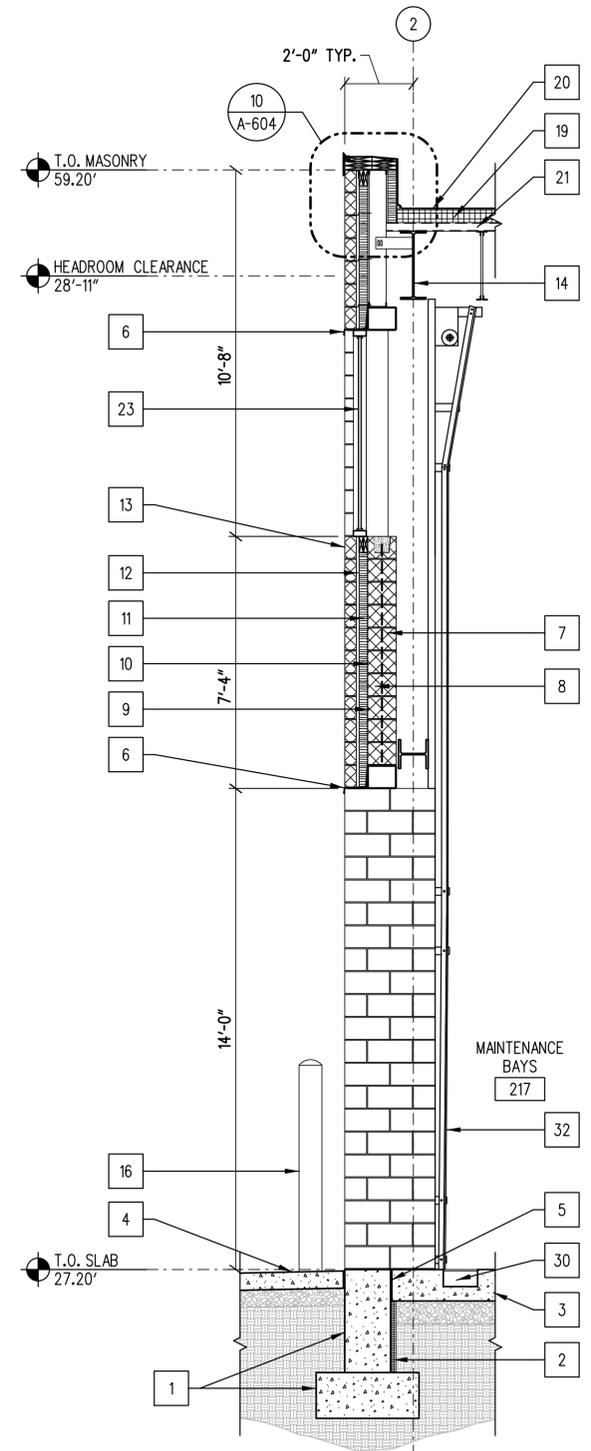
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CONSTRUCTION NOTES

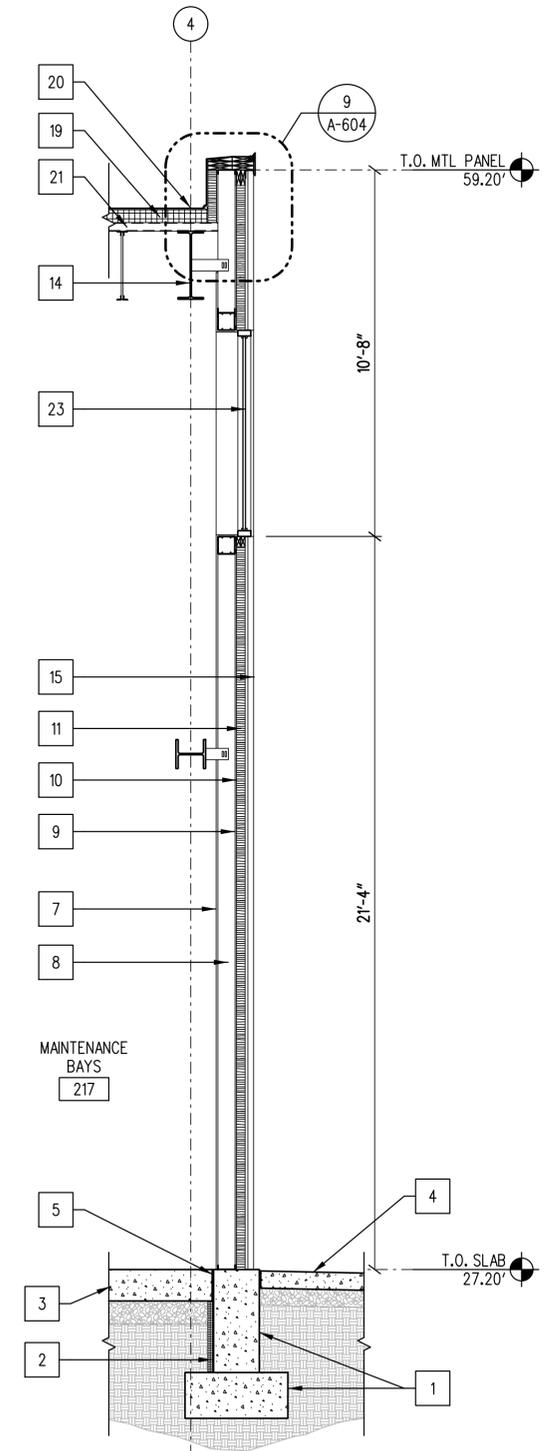
- CAST-IN-PLACE CONCRETE FOUNDATION - SEE STRUCTURAL
- 2" RIGID PERIMETER INSULATION (INS-1)
- CAST-IN-PLACE CONCRETE FLOOR SLAB - SEE STRUCTURAL
- CONCRETE SIDEWALK - SEE CIVIL
- CONCRETE SLAB CONTROL JOINT - SEE STRUCTURAL
- EMBEDDED MASONRY THROUGH-WALL FLASHING
- 5/8" GYPSUM BOARD
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- 1/2" EXTERIOR GLASS-MAT GYPSUM SHEATHING
- FLUID-APPLIED, VAPOR PERMEABLE AIR BARRIER
- 3" POLYISOCYANURATE BOARD INSULATION (INS-2)
- AIR SPACE - PROVIDE CAVITY DRAINAGE MATERIAL AT ALL FLASHING LOCATIONS
- 4" NOM. GROUND FACE CMU VENEER - SEE ELEVATIONS FOR TYPES
- STEEL FRAMING - SEE STRUCTURAL
- CORRUGATED METAL PANEL SIDING
- CONCRETE FILLED STEEL PIPE BOLLARDS - SEE CIVIL
- MASONRY VENEER TIES AND ANCHORS AT 16" O.C EACH WAY - TYPICAL
- VERTICAL CMU REINFORCING - CONT. #5 BARS IN FULLY GROUTED CELLS AT 24" O.C.
- RIGID ROOF INSULATION - R-20 MIN W/ COVER BOARD
- EPDM ROOFING MEMBRANE
- STEEL DECK - SEE STRUCTURAL
- EXTERIOR PAVING - SEE CIVIL
- ALUMINUM STOREFRONT WINDOW SYSTEM
- PRE-FINISHED ALUMINUM DOWNSPOUT TO SPLASH BLOCKS, PANS, OR BOOTS PER ROOF PLANS
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- CONTINUOUS CMU BOND BEAM - (2) #5 BARS TYPICAL
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- HORIZONTAL JOINT REINFORCING AT 16" O.C. VERTICALLY
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- CONCRETE SURROUND FOR FARE PULL VAULT WALL OPENING - COORDINATE WITH MANUFACTURER'S DETAILS FOR OWNER FURNISHED VAULT



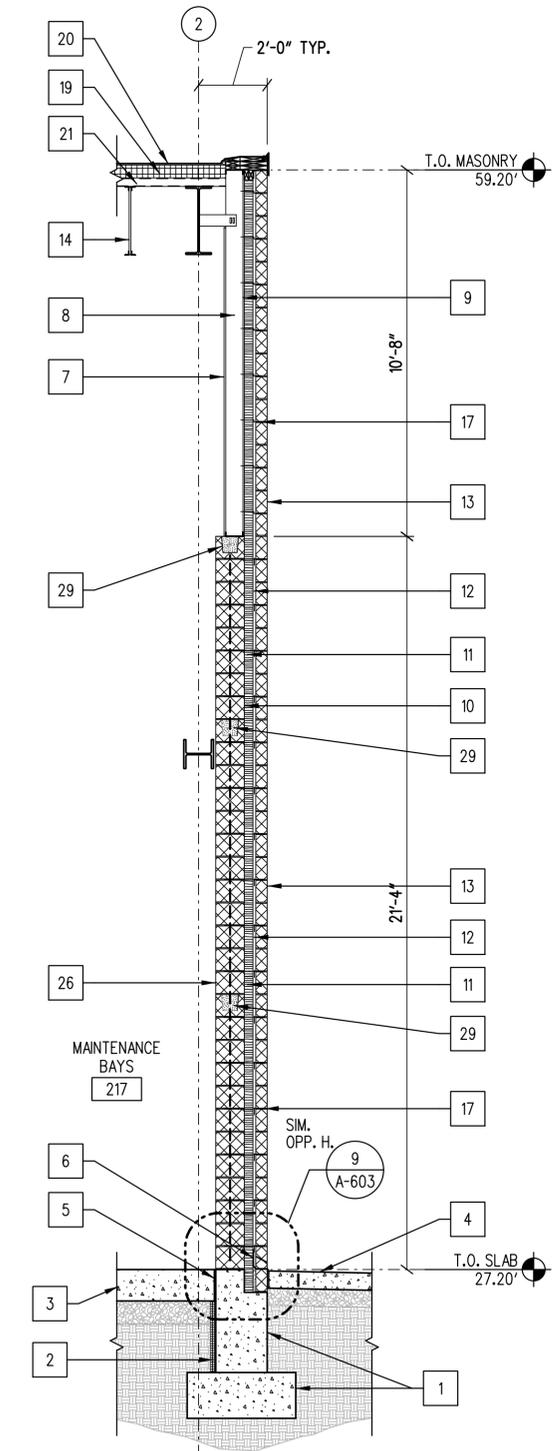
1 WALL SECTION
A-406 SCALE: 3/8"=1'-0"
REF: A-301, A-302



2 WALL SECTION
A-406 SCALE: 3/8"=1'-0"
REF: A-301



3 WALL SECTION
A-406 SCALE: 3/8"=1'-0"
REF: A-302, A-402

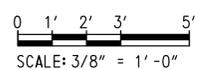


4 WALL SECTION
A-406 SCALE: 3/8"=1'-0"
REF: A-301

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ADDENDUMS / REVISIONS	

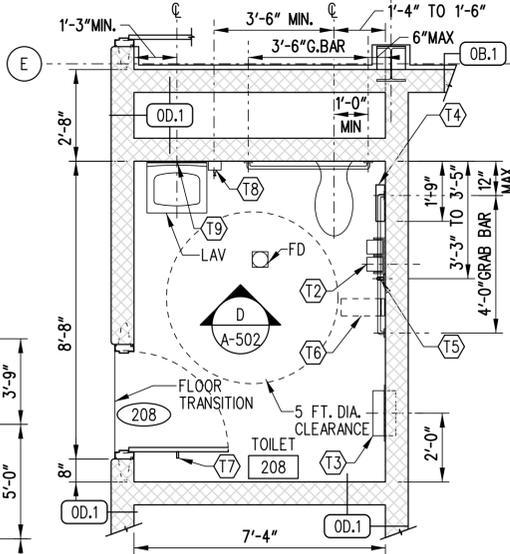
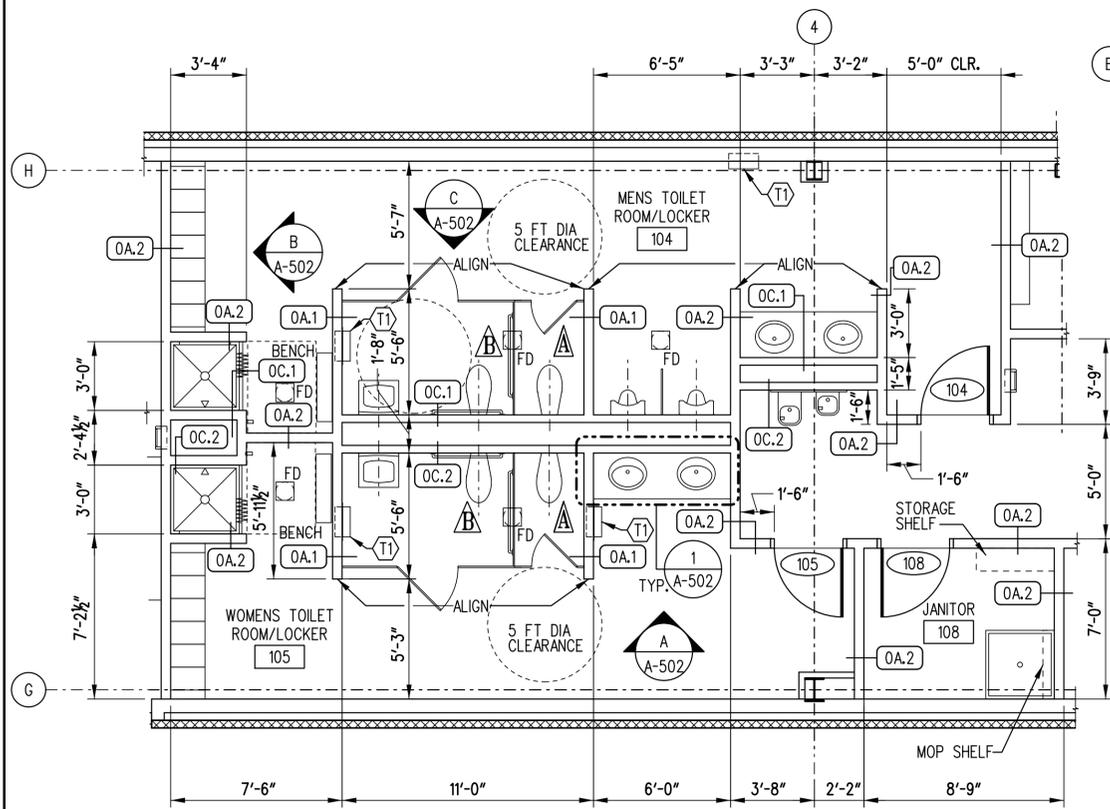


DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: RJH
	CHECKED BY: EJ

WALL SECTIONS	SHEET NO. 97
	TOTAL SHTS. 185

A-406



2 ENLARGED TOILET 208
SCALE: 3/4" = 1'-0"
REF: A-102 - FOR ACCESSORY MOUNTING HEIGHT: SEE A/A-501

ACCESSIBILITY NOTES

GENERAL:

- ALL OPERATING CONTROLS, OPERATING DEVICES, AND HARDWARE ON CABINETS, PLUMBING FIXTURES AND STORAGE FACILITIES SHALL HAVE SUCH A SHAPE THAT SHALL PERMIT OPERATION BY WRIST OR ARM PRESSURE AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING AT THE WRIST.
- THE HIGHEST OPERABLE PART OF THE CONTROLS, DISPENSERS, RECEPTACLES AND OTHER OPERABLE EQUIPMENT SHALL BE NO HIGHER THAN 42" ABOVE FINISHED FLOOR FOR FORWARD APPROACH. NOT HIGHER THAN 48" ABOVE FINISHED FLOOR FOR SIDE APPROACH, AND NOT LESS THAN 38" ABOVE FINISHED FLOOR FOR EITHER APPROACH.
- ELECTRICAL AND COMMUNICATIONS SYSTEM RECEPTACLES SHALL BE MOUNTED A MINIMUM OF 18" TO THE BOTTOM.
- SEE THE ENLARGED FLOOR PLANS FOR TOILET ACCESSORY LOCATIONS, QUANTITIES, AND MOUNTING REQUIREMENTS.

WATER CLOSETS:

- CONTROLS FOR FLUSH VALVES SHALL BE MOUNTED ON THE APPROACH SIDE (WIDE) SIDE OF THE TOILET STALLROOM. NO GREATER THAN 44" ABOVE FINISHED FLOOR.
- MAXIMUM FORCE TO OPERATE THE CONTROLS SHALL BE NO GREATER THAN FIVE (5) POUNDS.

GRAB BARS:

- GRAB BARS SHALL HAVE AN OUTSIDE DIAMETER OF NO LESS THAN 1 1/4" OR NO MORE THAN 1 1/2", AND SHALL PROVIDE A CLEARANCE OF 1 1/2" BETWEEN THE GRAB BAR AND THE WALL.
- ALL GRAB BARS AND ADJACENT SURFACES SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MINIMUM RADIUS OF 1/4".
- BENDING STRESS IN A GRAB BAR INDUCED BY THE MAXIMUM BENDING MOMENT FROM THE APPLICATION OF 250 POUNDS SHALL BE LESS THAN THE ALLOWABLE FOR THE MATERIAL.
- GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.

URINALS:

- FLUSH CONTROLS SHALL BE HAND OPERATED AND SHALL BE MOUNTED WITHIN 44" ABOVE FINISHED FLOOR.
- MAXIMUM FORCE TO OPERATE CONTROLS SHALL BE NO GREATER THAN FIVE (5) POUNDS.

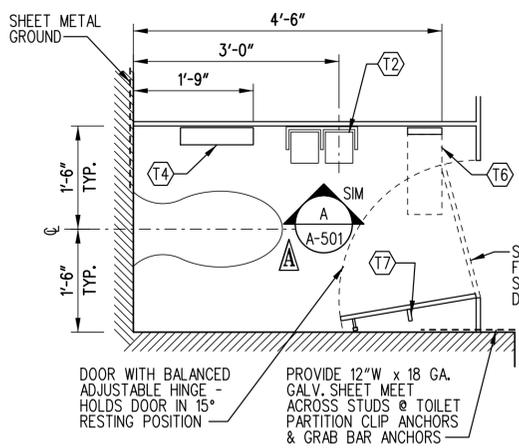
LAVATORIES AND SINKS:

- ALL HOT WATER SUPPLY AND DRAIN PIPES EXPOSED UNDER LAVATORIES OR SINK SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT.
- THERE SHALL BE NO SHARP SURFACES UNDER LAVATORIES OR SINKS.
- FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRED TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
- THE OPERATING FORCE SHALL NOT EXCEED FIVE (5) POUNDS OF FORCE.
- SELF CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST TEN (10) SECONDS.
- ALL LAVATORY AND SINK FAUCETS SHALL HAVE A MAXIMUM FLOW RATE OF NO MORE THAN 0.5 GALLONS PER MINUTE.

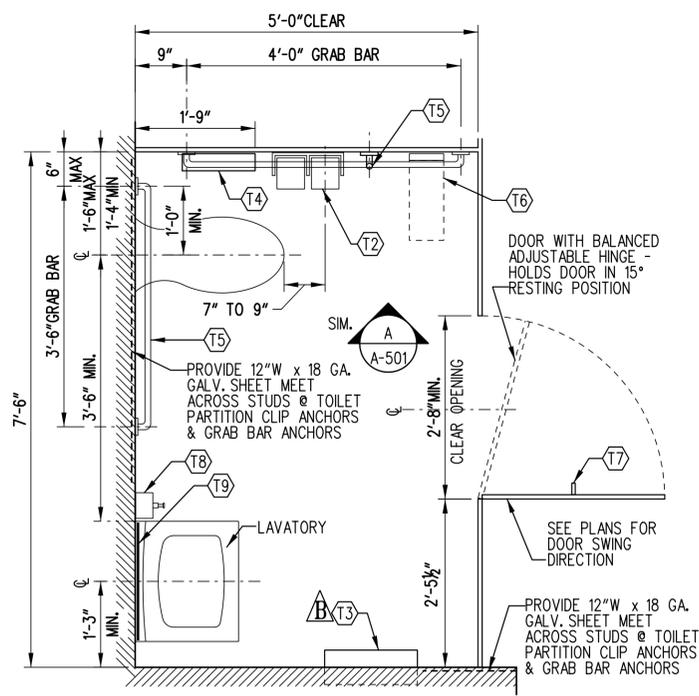
(TX) TOILET ROOM ACCESSORIES

- (T1) SEMI-RECESSED PAPER TOWEL DISPENSER
- (T2) TOILET PAPER DISPENSER
- (T3) SEMI-RECESSED PAPER TOWEL DISPENSER AND WASTE RECEPTACLE
- (T4) SANITARY NAPKIN DISPOSAL (WOMEN/UNISEX ONLY)
- (T5) GRAB BAR
- (T6) FOLDING SHELF (WOMEN/UNISEX ONLY)
- (T7) COAT HOOK
- (T8) SOAP DISPENSER
- (T9) 24"x36" MIRROR

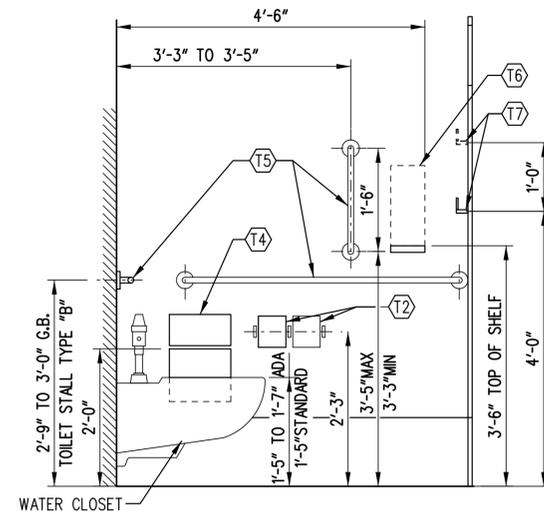
1 ENLARGED PLAN
A-501 SCALE: 1/4" = 1'-0"
REF: A-101



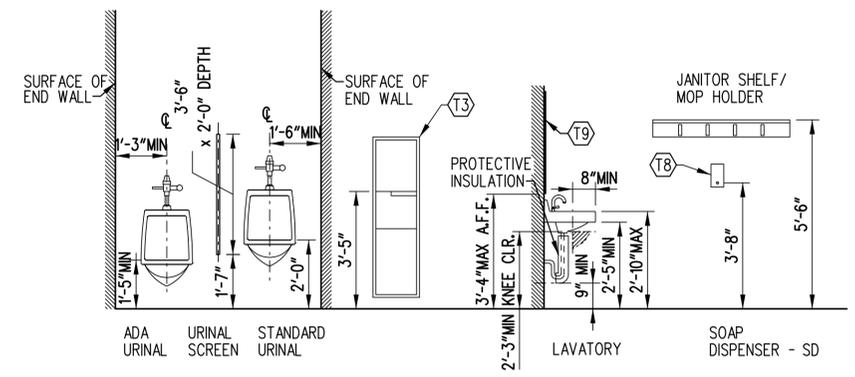
TOILET STALL TYPE "A"
SCALE: 3/4" = 1'-0"



TOILET STALL TYPE "B"
SCALE: 3/4" = 1'-0"

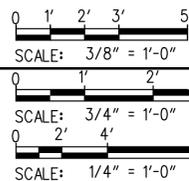


A TOILET STALL DETAILS
A-501 SCALE: 3/4" = 1'-0"
REF: A-501

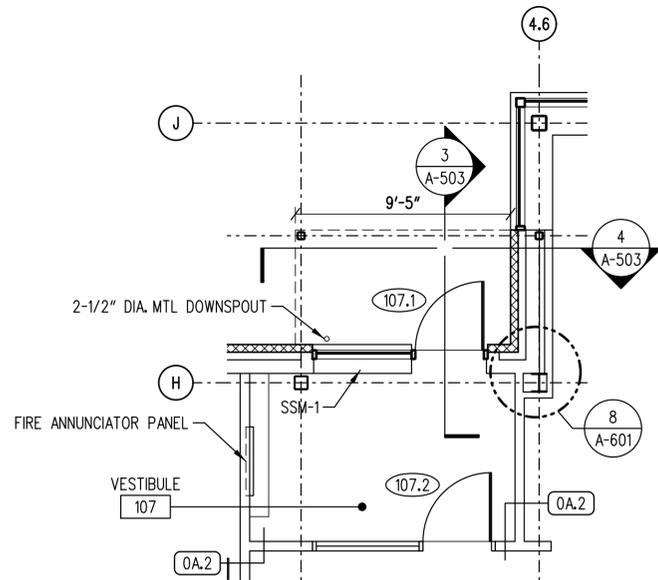


TYPICAL ACCESSORY MOUNTING HEIGHT
SCALE: 3/8" = 1'-0"

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CONTRACT	BRIDGE NO.
T200612502	
COUNTY	DESIGNED BY: NCL
SUSSEX	CHECKED BY: EJ

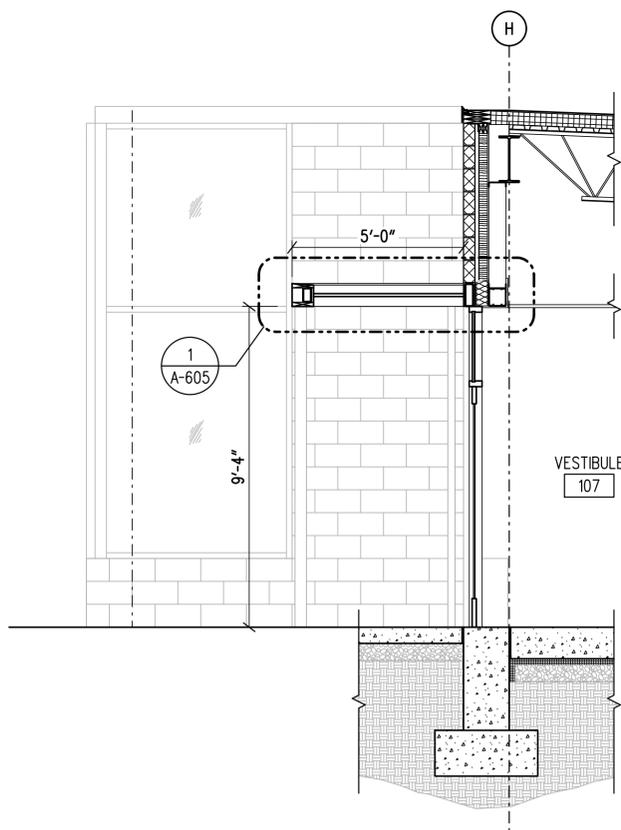


2 ENLARGED PLAN - VESTIBULE 107
 A-503 SCALE: 1/4" = 1'-0"
 REF: A-101

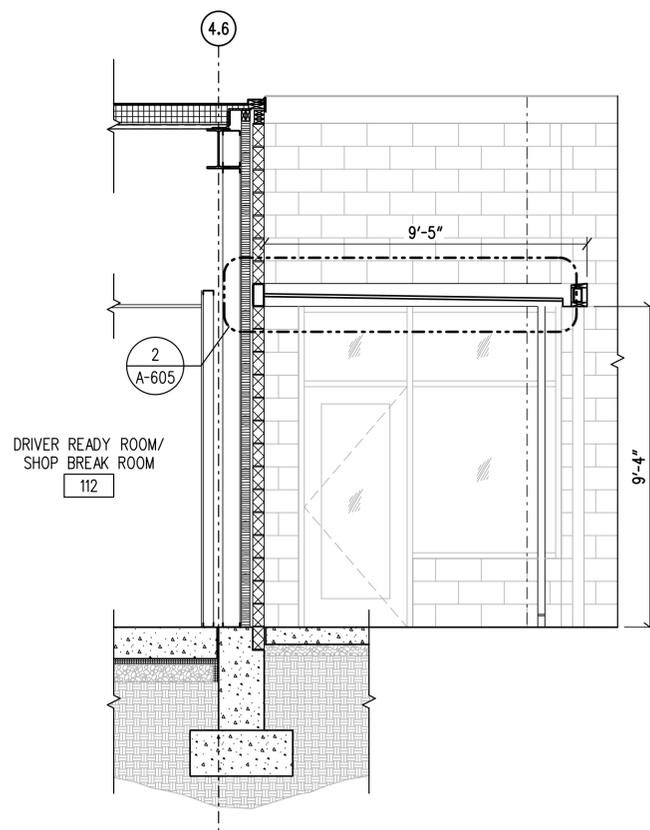
1 NOT USED
 A-503 SCALE:
 REF:

5 NOT USED
 A-503 SCALE:

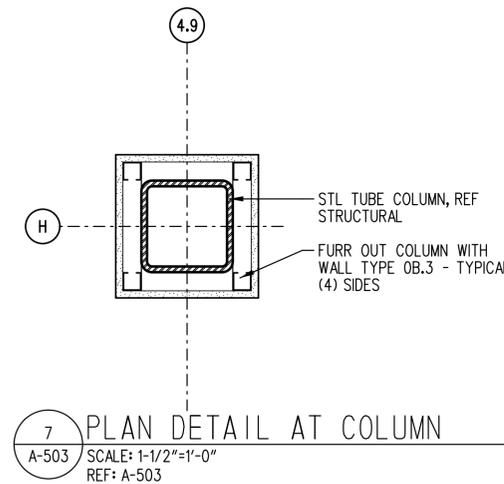
6 NOT USED
 A-503 SCALE:



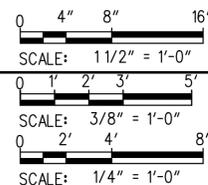
3 WALL SECTION - ENTRANCE CANOPY
 A-503 SCALE: 3/8" = 1'-0"
 REF: A-503



4 WALL SECTION - ENTRANCE CANOPY
 A-503 SCALE: 3/8" = 1'-0"
 REF: A-503



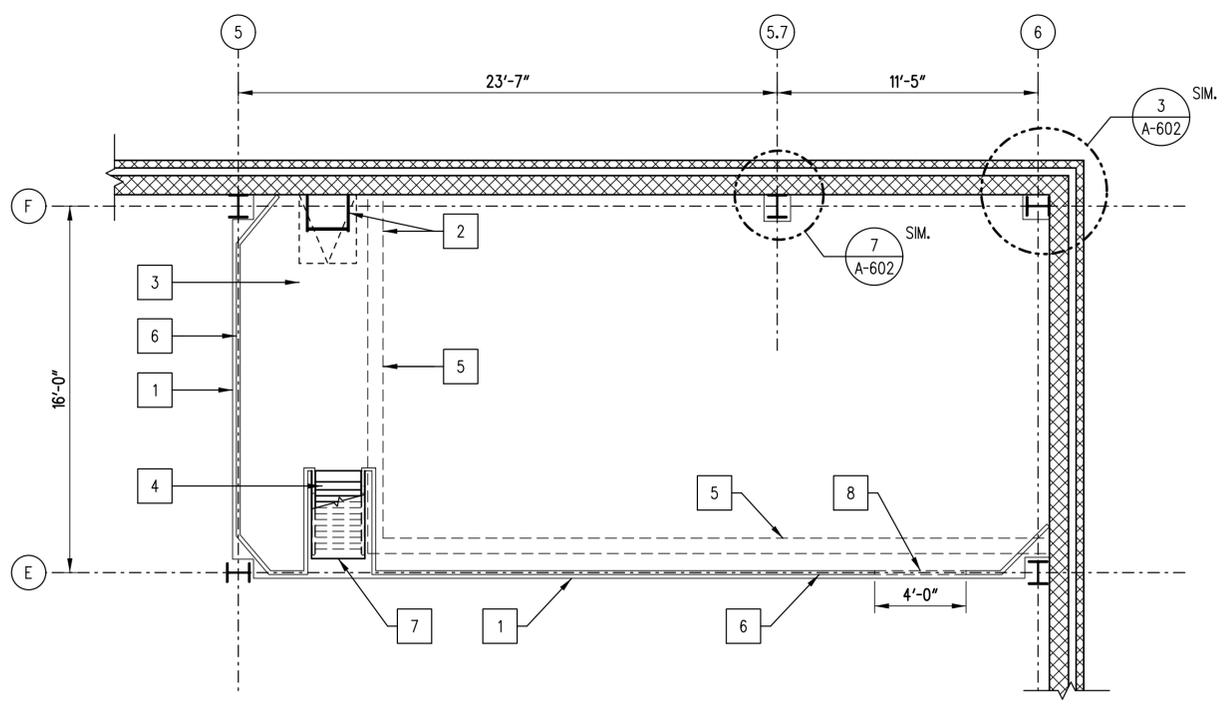
7 PLAN DETAIL AT COLUMN
 A-503 SCALE: 1-1/2" = 1'-0"
 REF: A-503



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CONSTRUCTION NOTES

- 1 EDGE OF MEZZANINE SLAB, SEE STRUCT.
- 2 METAL ROOF ACCESS LADDER.
- 3 ROOF HATCH ABOVE.
- 4 METAL SHIPS LADDER TO MEZZANINE.
- 5 LUBE/COMPRESSOR ROOM 215 WALL BELOW.
- 6 GUARDRAIL.
- 7 OPENING IN MEZZANINE SLAB FOR SHIPS LADDER, SEE STRUCT.
- 8 REMOVEABLE SECTION OF GUARDRAIL FOR LIFT ACCESS.

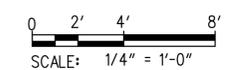


1 ENLARGED PLAN - MEZZANINE
 A-504 SCALE: 1/4" = 1'-0"
 REF: A-102

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ADDENDUMS / REVISIONS	



DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY

CONTRACT	BRIDGE NO.
T200612502	
COUNTY	DESIGNED BY: RJH
SUSSEX	CHECKED BY: EJ

MEZZANINE ENLARGED PLAN AND DETAILS

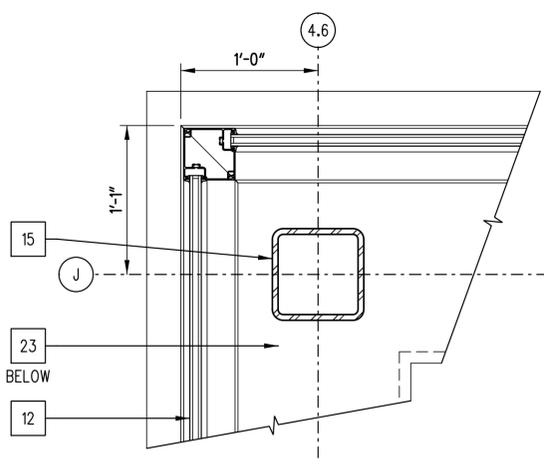
A-504
SHEET NO.
101
TOTAL SHTS.
185

DRAWING NOTES

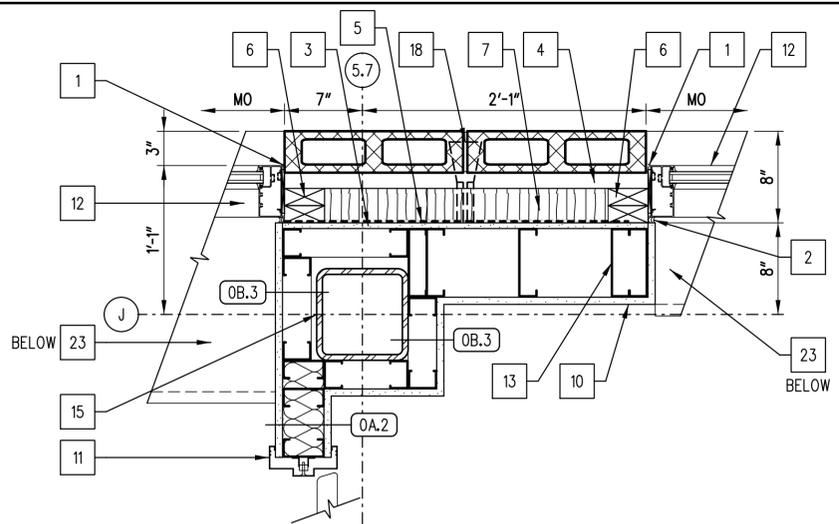
- SPECIFIC CONSTRUCTION NOTES LISTED ON DETAIL SHEETS DO NOT NECESSARILY APPLY TO EVERY DETAIL SHEET.
- SEE SHEETS A-804 THROUGH A-807 FOR DETAILS AT DOOR AND STOREFRONT HEADS, SILLS, AND JAMBS INCLUDING BLOCKING AND AIR BARRIER RETURNS.

CONSTRUCTION NOTES

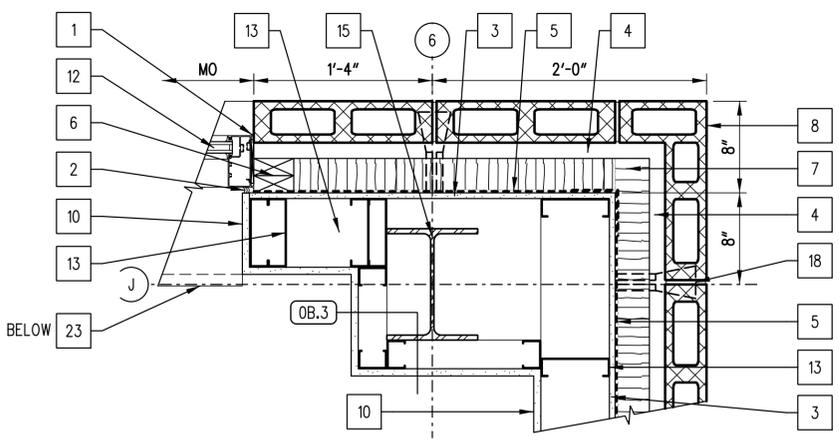
- EXTERIOR SEALANT JOINT (JS-ENT) AND BACKER ROD
- INTERIOR SEALANT JOINT (JS-INT) AND BACKER ROD
- 1/2" EXTERIOR GLASS-MAT GYPSUM SHEATHING
- AIR SPACE - PROVIDE CAVITY DRAINAGE MATERIAL AT ALL FLASHING LOCATIONS
- FLUID-APPLIED, VAPOR PREEABLE AIR BARRIER
- TREATED WOOD BLOCKING
- 3" POLYISOCYANURATE BOARD INSULATION (INS-2)
- 4" NOM. GROUND FACE CMU VENEER - SEE ELEVATIONS FOR TYPES
- 10" NOMINAL CMU BACKUP WALL
- 5/8" GYPSUM BOARD
- SCHEDULED DOOR AND FRAME
- SCHEDULED ALUMINUM STOREFRONT SYSTEM
- EXTERIOR COLD-FORMED STEEL STUD FRAMING - SSMA 600S162-97 AT 12" O.C.
- CONCRETE FILLED STEEL PIPE BOLLARDS - SEE CIVIL
- STRUCTURAL STEEL FRAMING - PAINT TO MATCH ADJACENT WALL IF EXPOSED
- PROVIDE SPECIAL SHAPE (CORNER UNIT) FOR CMU VENEER
- FIRE EXTINGUISHER CABINET - SEE PLAN NOTES FOR TYPE
- MASONRY VENEER TIES AND ANCHORS AT 16" O.C EACH WAY - TYPICAL
- HORIZONTAL JOINT REINFORCING AT 16" O.C. VERTICALLY
- VERTICAL CMU REINFORCING - CONT. #5 BARS IN FULLY GROUTED CELLS
- CORRUGATED METAL PANEL SIDING
- 7/8" HAT CHANNEL FURRING
- SOLID SURFACE MATERIAL WINDOW SILL
- PROVIDE ADDITIONAL FINISHED FACE ON CMU RETURN
- EXTERIOR COLD-FORMED STEEL STUD FRAMING - (2) SSMA 600S162-97 BACK TO BACK AT 12" O.C.



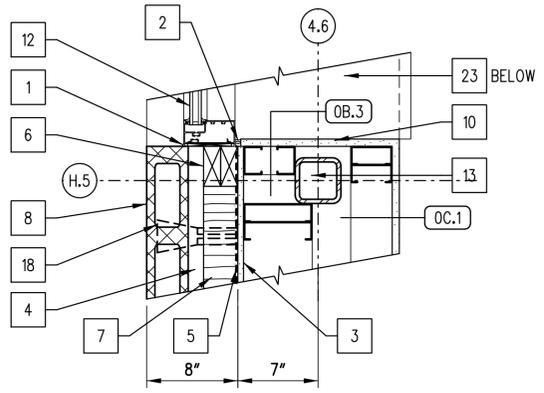
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A-601 SCALE: 1 1/2"=1'-0"
REF: A-101



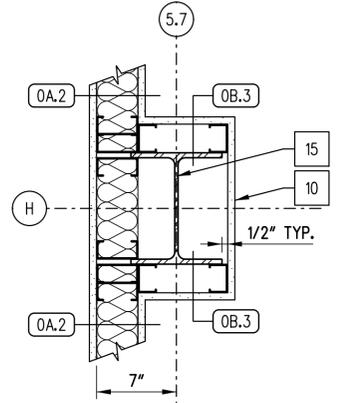
2 PLAN DETAIL
A-601 SCALE: 1 1/2"=1'-0"
REF: A-101



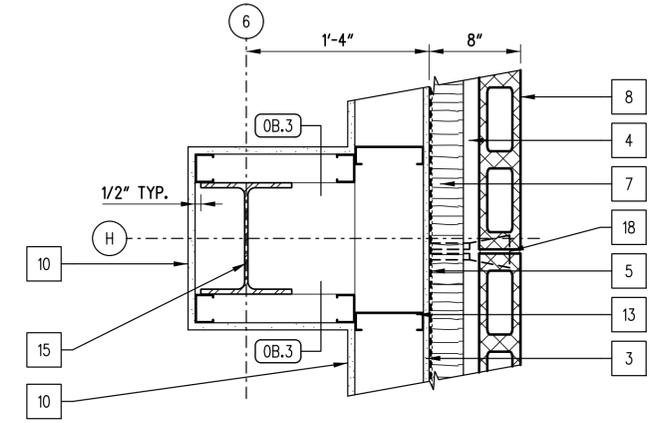
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A-601 SCALE: 1 1/2"=1'-0"
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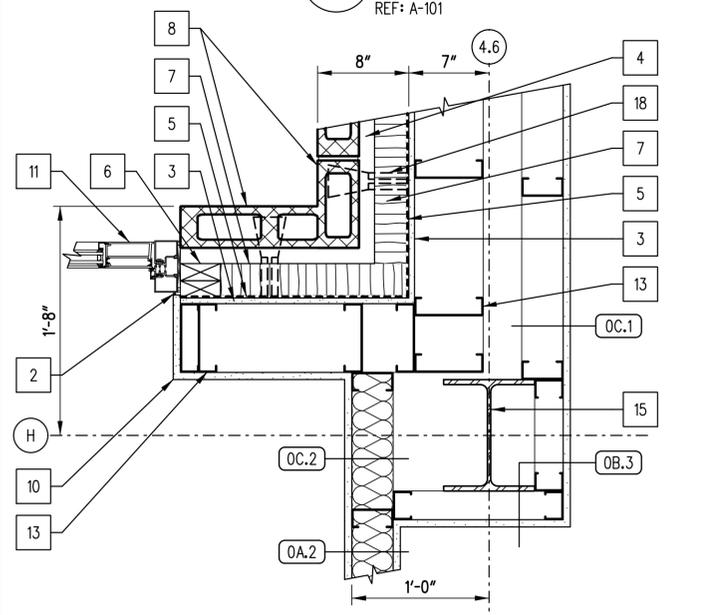
4 PLAN DETAIL
A-601 SCALE: 1 1/2"=1'-0"
REF: A-101



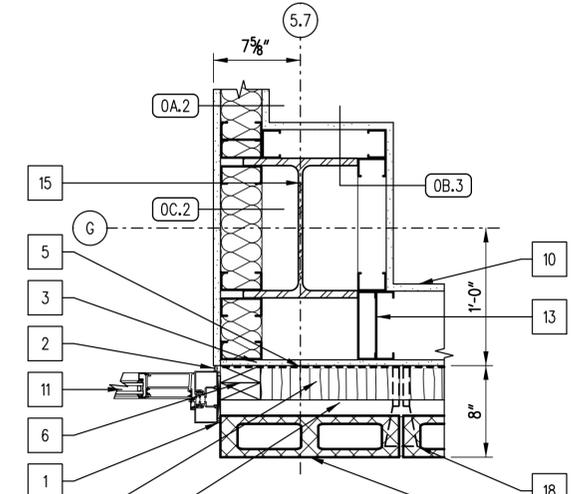
5 PLAN DETAIL
A-601 SCALE: 1 1/2"=1'-0"
REF: A-101



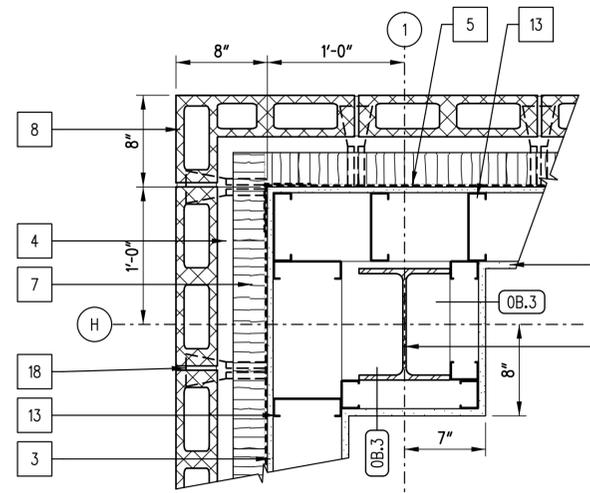
6 PLAN DETAIL
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REF: A-101



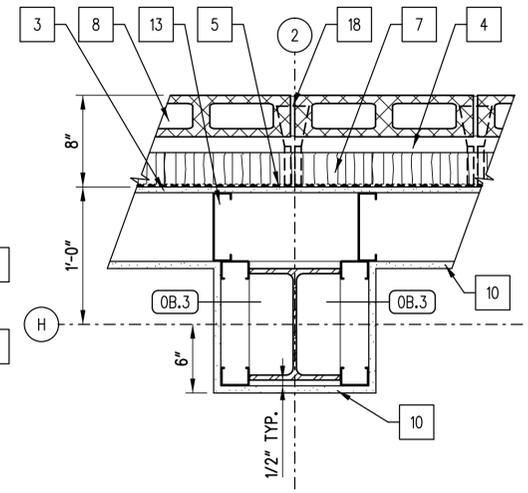
7 PLAN DETAIL
A-601 SCALE: 1 1/2"=1'-0"
REF: A-101



8 PLAN DETAIL
A-601 SCALE: 1 1/2"=1'-0"
REF: A-101



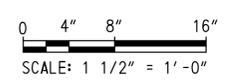
9 PLAN DETAIL
A-601 SCALE: 1 1/2"=1'-0"
REF: A-101



10 PLAN DETAIL
A-601 SCALE: 1 1/2"=1'-0"
REF: A-101

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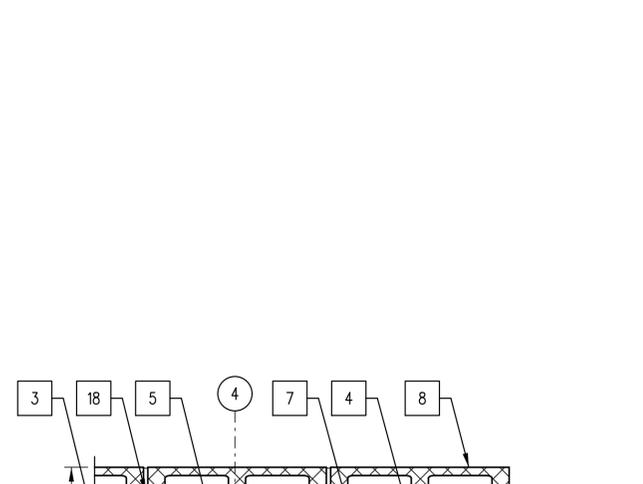
ADDENDUMS / REVISIONS	



CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: NCL
	CHECKED BY: EJ

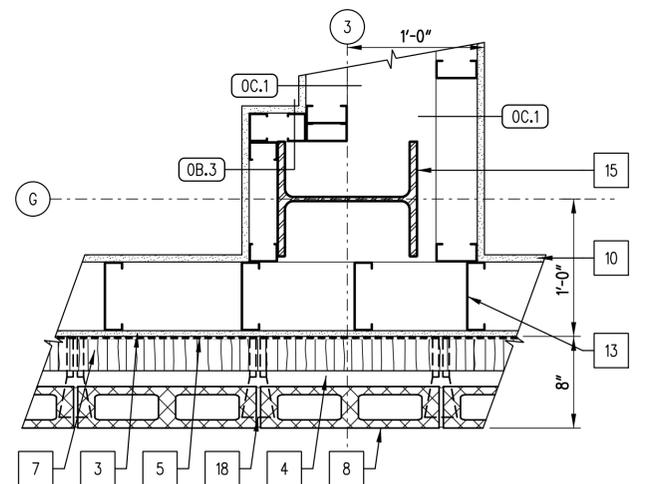
A-601
SHEET NO. 102
TOTAL SHTS. 185

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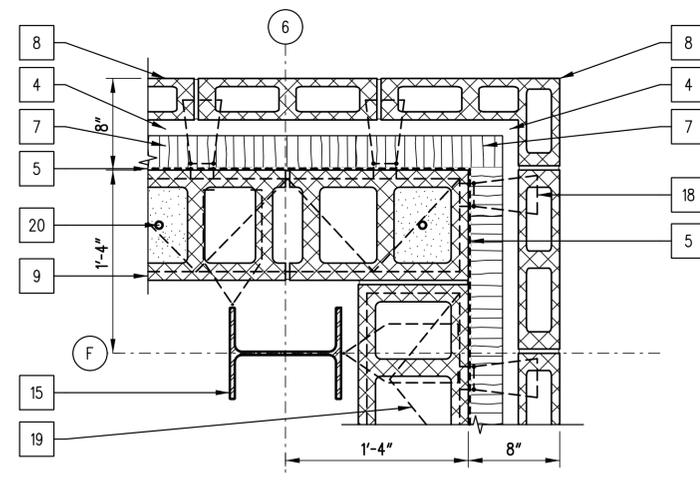


1 PLAN DETAIL
 A-602 SCALE: 1-1/2"=1'-0"
 REF: A-102

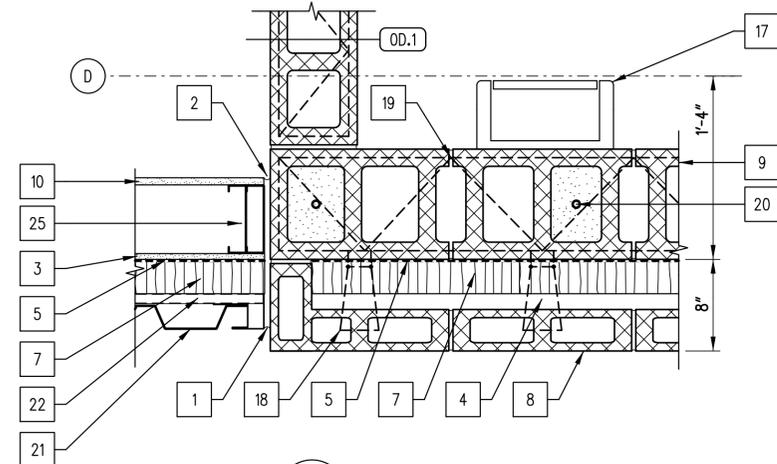
DETAIL APPLIES ONLY ABOVE ELEVATION 48.53'



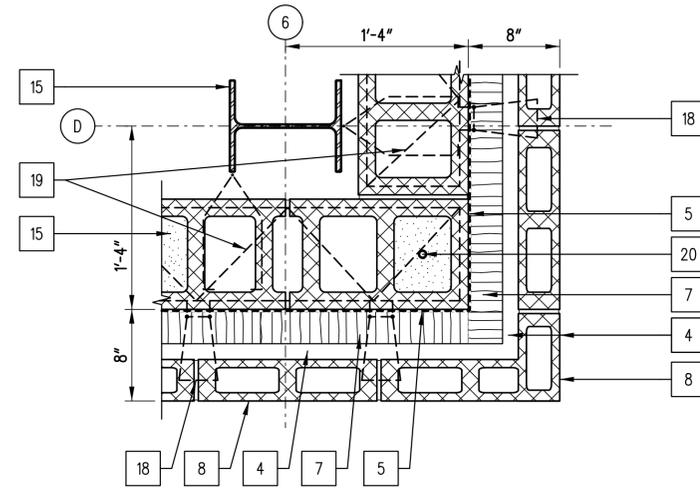
2 PLAN DETAIL
 A-602 SCALE: 1-1/2"=1'-0"
 REF: A-101



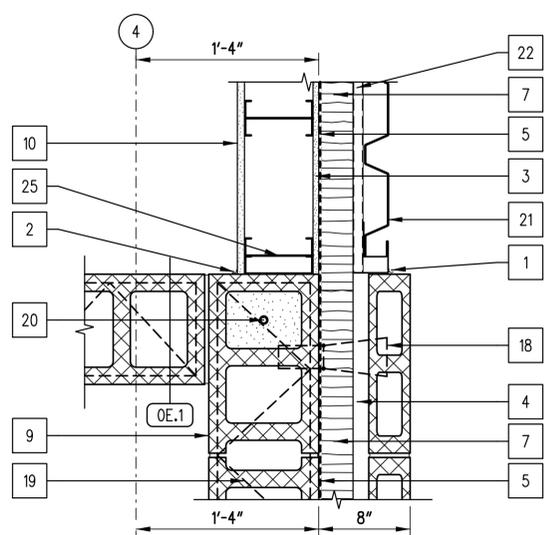
3 PLAN DETAIL
 A-602 SCALE: 1-1/2"=1'-0"
 REF: A-102, A-504



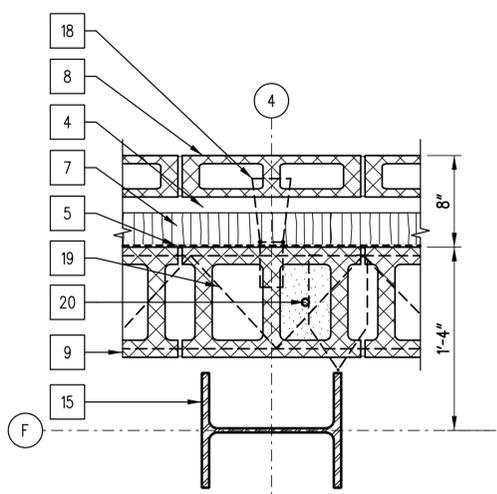
4 PLAN DETAIL
 A-602 SCALE: 1-1/2"=1'-0"
 REF: A-102



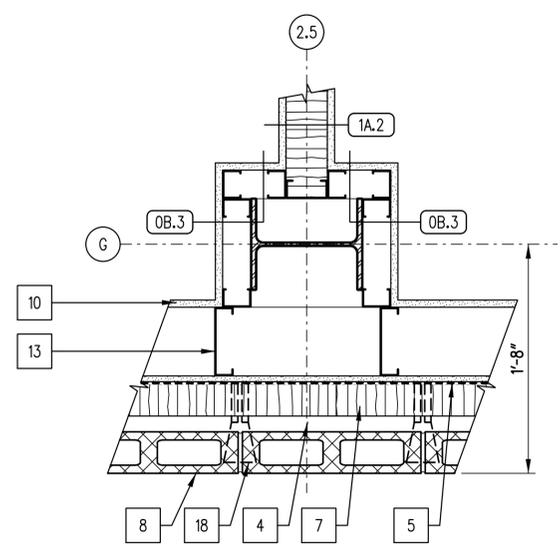
5 PLAN DETAIL
 A-602 SCALE: 1-1/2"=1'-0"
 REF: A-102



6 PLAN DETAIL
 A-602 SCALE: 1-1/2"=1'-0"
 REF: A-102



7 PLAN DETAIL
 A-602 SCALE: 1-1/2"=1'-0"
 REF: A-102, A-504



8 PLAN DETAIL
 A-602 SCALE: 1-1/2"=1'-0"
 REF: A-101

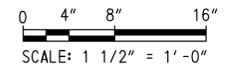
DRAWING NOTES

- SPECIFIC CONSTRUCTION NOTES LISTED ON DETAIL SHEETS DO NOT NECESSARILY APPLY TO EVERY DETAIL SHEET.
- SEE SHEETS A-804 THROUGH A-807 FOR DETAILS AT DOOR AND STOREFRONT HEADS, SILLS, AND JAMBS INCLUDING BLOCKING AND AIR BARRIER RETURNS.

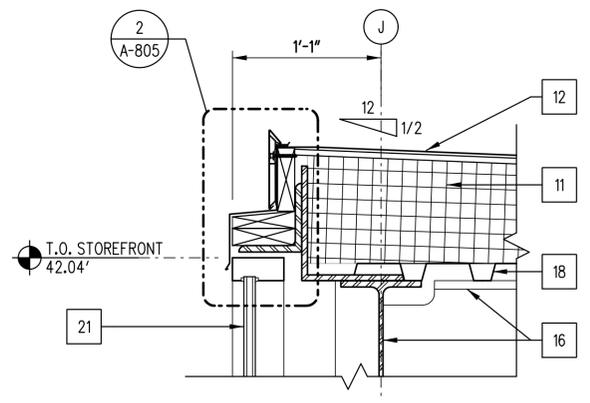
CONSTRUCTION NOTES

- EXTERIOR SEALANT JOINT (JS-ENT) AND BACKER ROD
- INTERIOR SEALANT JOINT (JS-INT) AND BACKER ROD
- 1/2" EXTERIOR GLASS-MAT GYPSUM SHEATHING
- AIR SPACE - PROVIDE CAVITY DRAINAGE MATERIAL AT ALL FLASHING LOCATIONS
- FLUID-APPLIED, VAPOR PREAMABLE AIR BARRIER
- TREATED WOOD BLOCKING
- 3" POLYISOCYANURATE BOARD INSULATION (INS-2)
- 4" NOM. GROUND FACE CMU VENEER - SEE ELEVATIONS FOR TYPES
- 10" NOMINAL CMU BACKUP WALL
- 5/8" GYPSUM BOARD
- SCHEDULED DOOR AND FRAME
- SCHEDULED ALUMINUM STOREFRONT SYSTEM
- EXTERIOR COLD-FORMED STEEL STUD FRAMING - SSSMA 600S162-97 AT 12" O.C.
- CONCRETE FILLED STEEL PIPE BOLLARDS - SEE CIVIL
- STRUCTURAL STEEL FRAMING - PAINT TO MATCH ADJACENT WALL IF EXPOSED
- PROVIDE SPECIAL SHAPE (CORNER UNIT) FOR CMU VENEER
- FIRE EXTINGUISHER CABINET - SEE PLAN NOTES FOR TYPE
- MASONRY VENEER TIES AND ANCHORS AT 16" O.C EACH WAY - TYPICAL
- HORIZONTAL JOINT REINFORCING AT 16" O.C. VERTICALLY
- VERTICAL CMU REINFORCING - CONT. #5 BARS IN FULLY GROUTED CELLS
- CORRUGATED METAL PANEL SIDING
- 7/8" HAT CHANNEL FURRING
- SOLID SURFACE MATERIAL WINDOW SILL
- PROVIDE ADDITIONAL FINISHED FACE ON CMU RETURN
- EXTERIOR COLD-FORMED STEEL STUD FRAMING - (2) SSSMA 600S162-97 BACK TO BACK AT 12" O.C.

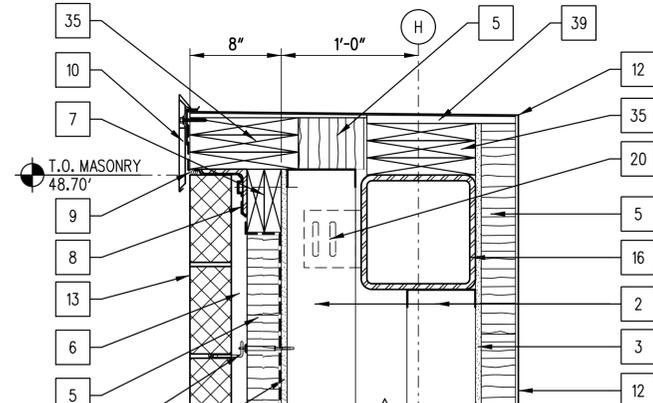
ADDENDUMS / REVISIONS	



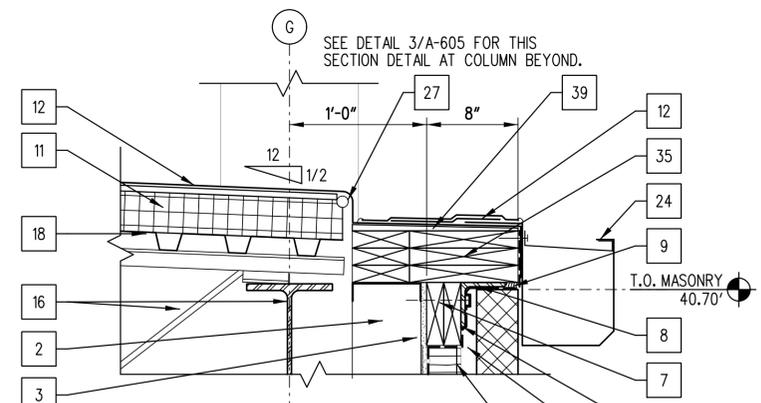
CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: RJH
	CHECKED BY: EJ



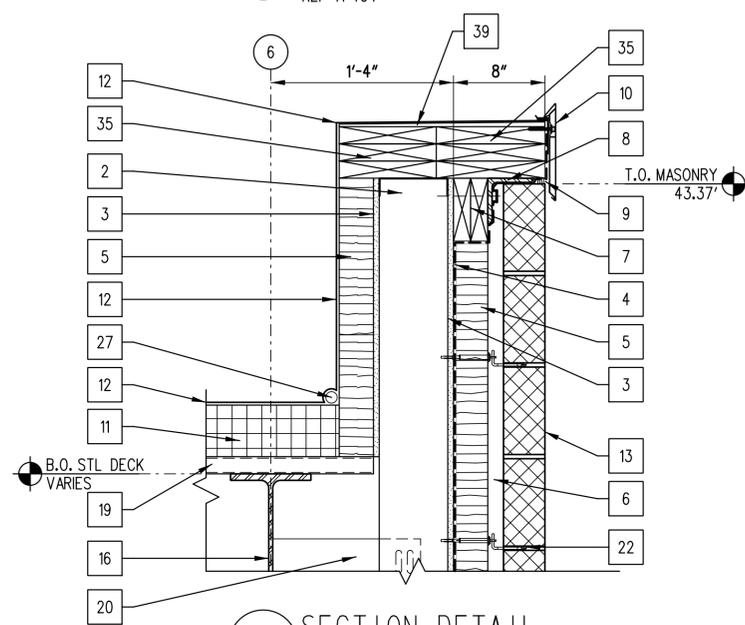
1 SECTION DETAIL
A-603 SCALE: 1-1/2"=1'-0"
REF: A-404



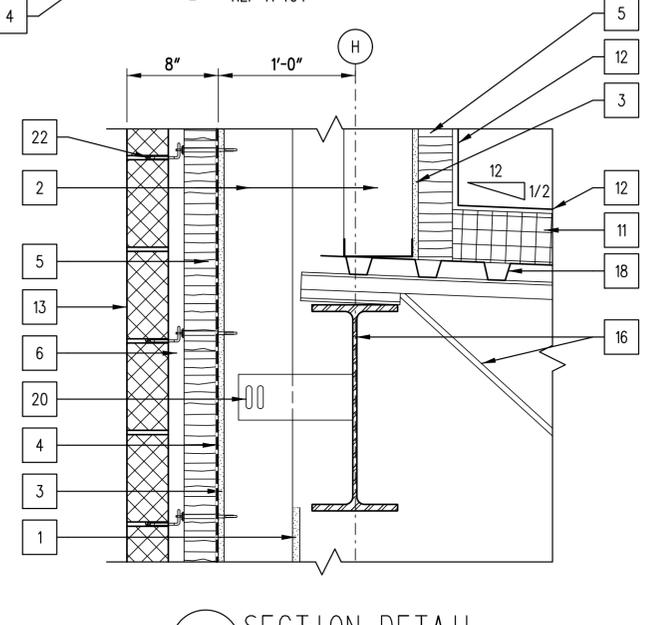
2 SECTION DETAIL
A-603 SCALE: 1-1/2"=1'-0"
REF: A-404



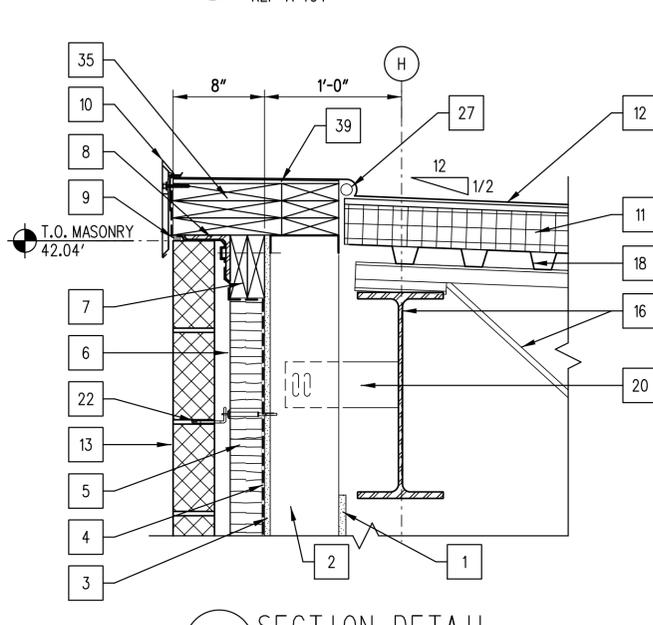
3 SECTION DETAIL
A-603 SCALE: 1-1/2"=1'-0"
REF: A-404



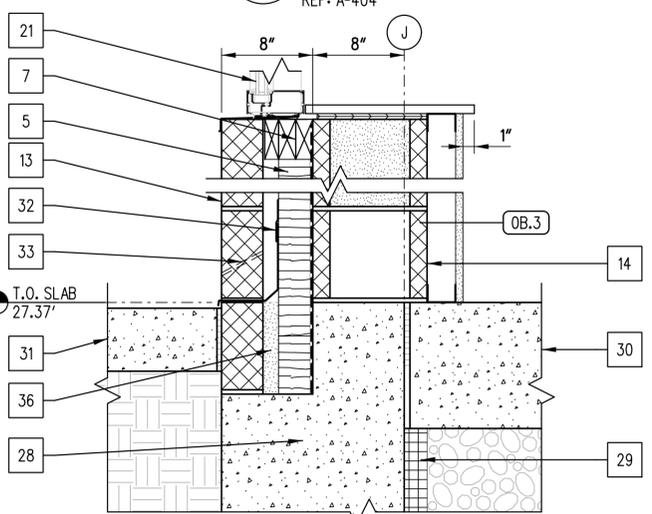
4 SECTION DETAIL
A-603 SCALE: 1-1/2"=1'-0"
REF: A-404



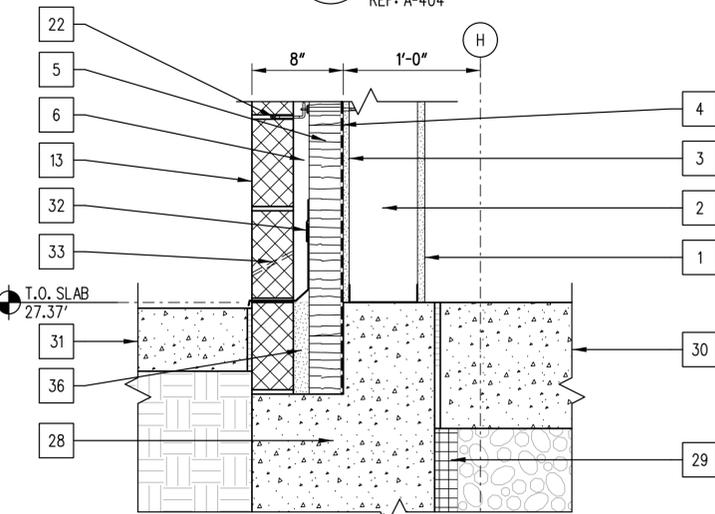
5 SECTION DETAIL
A-603 SCALE: 1-1/2"=1'-0"
REF: A-404



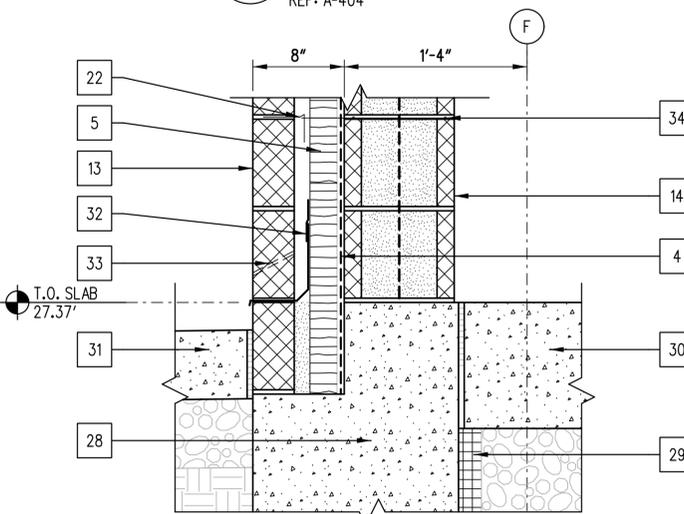
6 SECTION DETAIL
A-603 SCALE: 1-1/2"=1'-0"
REF: A-404



7 SECTION DETAIL
A-603 SCALE: 1-1/2"=1'-0"
REF: A-404



8 SECTION DETAIL
A-603 SCALE: 1-1/2"=1'-0"
REF: A-404



9 SECTION DETAIL
A-603 SCALE: 1-1/2"=1'-0"
REF: A-404, A-406

DRAWING NOTES

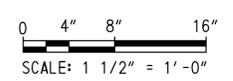
- SPECIFIC CONSTRUCTION NOTES LISTED ON DETAIL SHEETS DO NOT NECESSARILY APPLY TO EVERY DETAIL SHEET.
- SEE SHEETS A-804 THROUGH A-807 FOR DETAILS AT DOOR AND STOREFRONT HEADS, SILLS, AND JAMBS INCLUDING BLOCKING AND AIR BARRIER RETURNS.
- TOP OF EXTERIOR CFS STUD FRAMING BEHIND MASONRY VENEER SHALL BE 1/2" HIGHER THAN T.O. MASONRY ELEVATION INDICATED.
- BEHIND FASCIAS AND GUTTERS, EXTEND AIR BARRIER UP FACE OF BLOCKING AND EXTEND ROOF MEMBRANE DOWN FACE OF BLOCKING SO MEMBRANES OVERLAP.

CONSTRUCTION NOTES

- | | |
|---|--|
| 1 5/8" GYPSUM BOARD | 21 SCHEDULED ALUMINUM STOREFRONT SYSTEM - SEE A-805 FOR DETAILS |
| 2 EXTERIOR COLD-FORMED STEEL STUD FRAMING - SEE WALL SECTIONS | 22 MASONRY VENEER TIES AND ANCHORS AT 16" O.C EACH WAY - TYPICAL |
| 3 1/2" EXTERIOR GLASS-MAT GYPSUM SHEATHING | 23 SOLID CONCRETE MASONRY UNIT |
| 4 FLUID-APPLIED, VAPOR PERMEABLE AIR BARRIER | 24 8"x8" PRE-FINISHED ALUMINUM GUTTER |
| 5 3" POLYISOCYANURATE BOARD INSULATION (INS-2) | 25 PRE-FINISHED ALUMINUM DOWNSPOUT |
| 6 AIR SPACE - PROVIDE CAVITY DRAINAGE MATERIAL AT ALL FLASHING LOCATIONS | 26 CONTINUOUS CMU BOND BEAM - (2) #5 BARS TYPICAL |
| 7 2x6 PRESSURE TREATED WOOD BLOCKING | 27 EPDM ROOF SYSTEM MOVEMENT CONTROL JOINT |
| 8 4" x 4" x 3/8" CONTINUOUS STEEL ANGLE | 28 CAST-IN-PLACE CONCRETE FOUNDATION - SEE STRUCTURAL |
| 9 EXTERIOR SEALANT JOINT (JS-ENT) AND BACKER ROD | 29 2" RIGID PERIMETER INSULATION (INS-1) |
| 10 8-1/2" EXTRUDED ALUMINUM FASCIA WITH PRE-FINISHED SNAP-ON ALUMINUM COVER | 30 CAST-IN-PLACE CONCRETE FLOOR SLAB - SEE STRUCTURAL |
| 11 RIGID ROOF INSULATION - R-20 MIN W/ COVER BOARD | 31 CONCRETE SIDEWALK - SEE CIVIL |
| 12 EPDM ROOFING MEMBRANE | 32 EMBEDDED MASONRY THROUGH-WALL FLASHING |
| 13 4" NOM. GROUND FACE CMU VENEER - SEE ELEVATIONS FOR TYPES | 33 WEEPS @ 16" O.C. |
| 14 10" NOMINAL CMU BACKUP WALL | 34 HORIZONTAL JOINT REINFORCING AT 16" O.C. VERTICALLY |
| 15 SPRAY FOAM INSULATION (INS-7) | 35 2x10 FIRE RETARDANT TREATED WOOD BLOCKING |
| 16 STRUCTURAL FRAMING - PAINT EXPOSED STEEL AS INDICATED ON OTHER SHEETS | 36 FULLY GROUT CAVITY BETWEEN CMU VENEER AND INSULATION BELOW FLASHING |
| 17 8" x 8" x 3/8" CONTINUOUS STEEL ANGLE | 37 CORRUGATED METAL PANEL SIDING ON 7/8" HAT CHANNEL FURRING |
| 18 STEEL DECK - SEE STRUCTURAL | 38 STL CHANNEL - REF. STRUCT |
| 19 EXTERIOR PAVING - SEE CIVIL | 39 TAPERED COVER BOARD OVER BLOCKING AS NECESSARY TO ACHIEVE POSITIVE DRAINAGE |
| 20 DEFLECTION CLIP | |

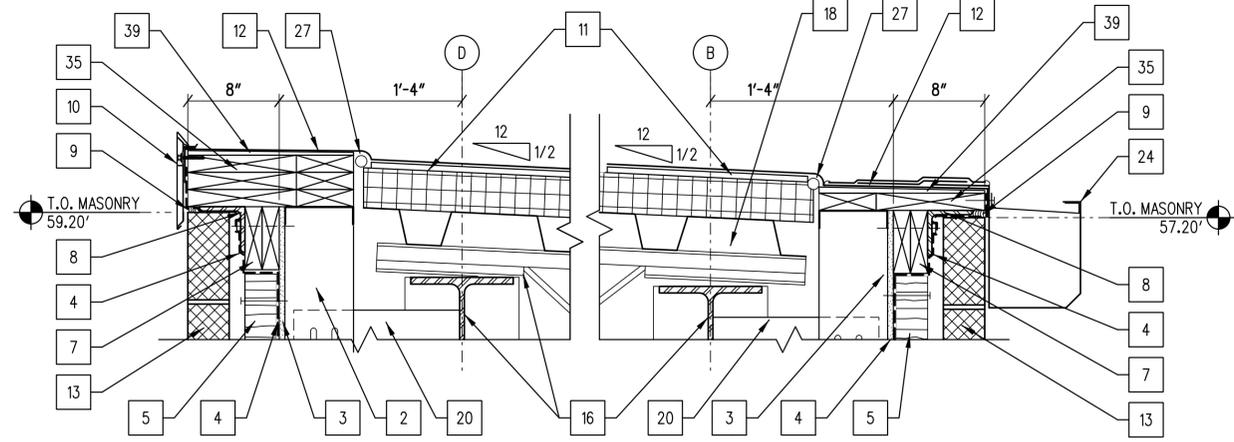
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ADDENDUMS / REVISIONS	



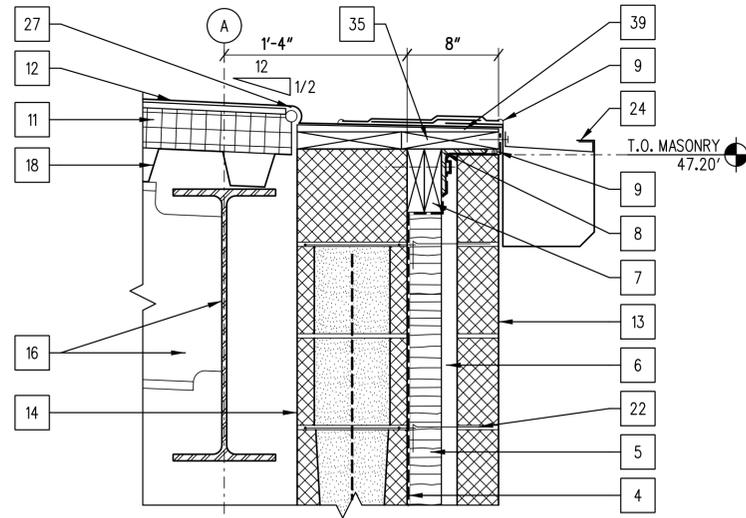
CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: RJH
	CHECKED BY: EJ

SECTION DETAILS	SHEET NO. 104
	TOTAL SHTS. 185

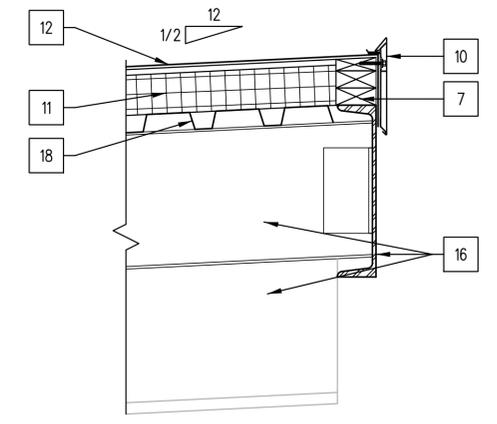


1 SECTION DETAIL
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REF: A-402

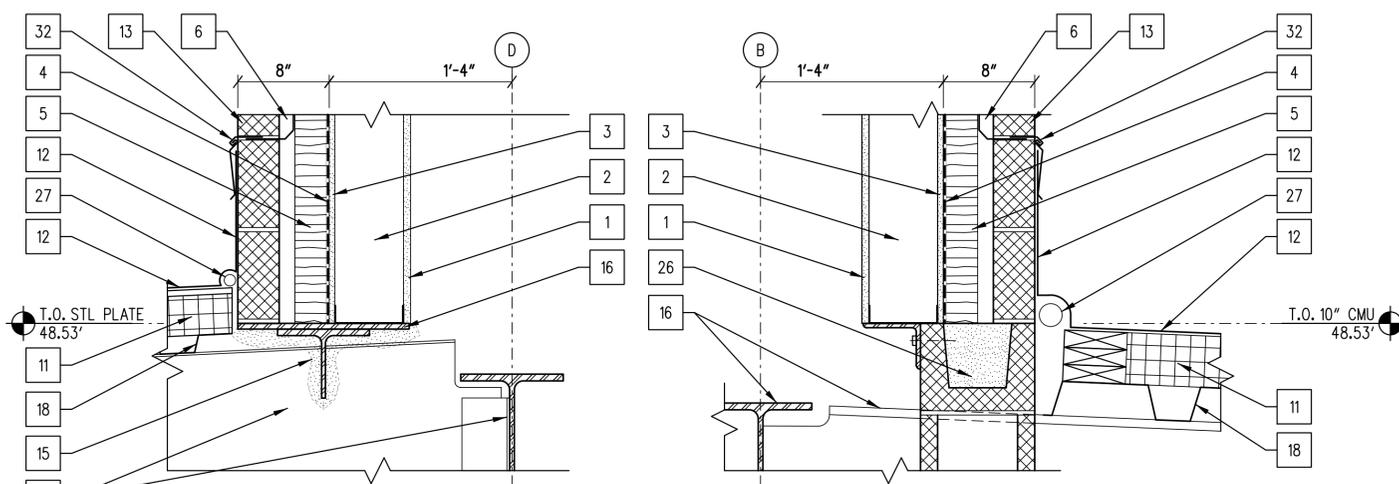
2 SECTION DETAIL
A-604 SCALE: 1-1/2"=1'-0"
REF: A-402



3 SECTION DETAIL
A-604 SCALE: 1-1/2"=1'-0"
REF: A-405

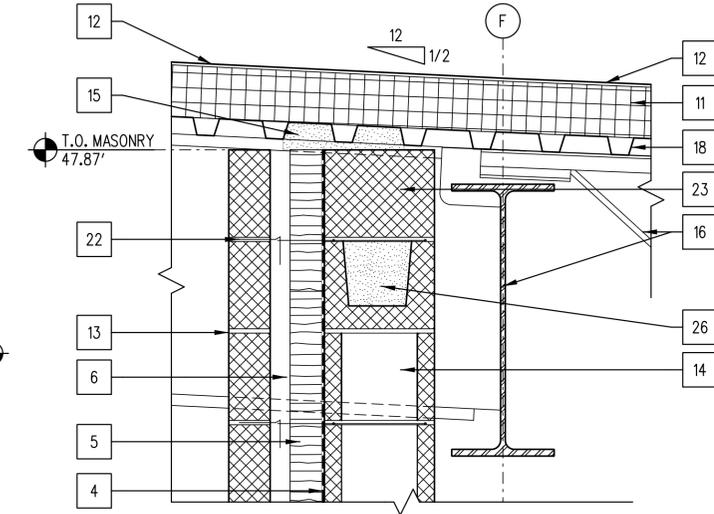


4 SECTION DETAIL
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REF: A-301, A-302, A-401, A-402, A-403

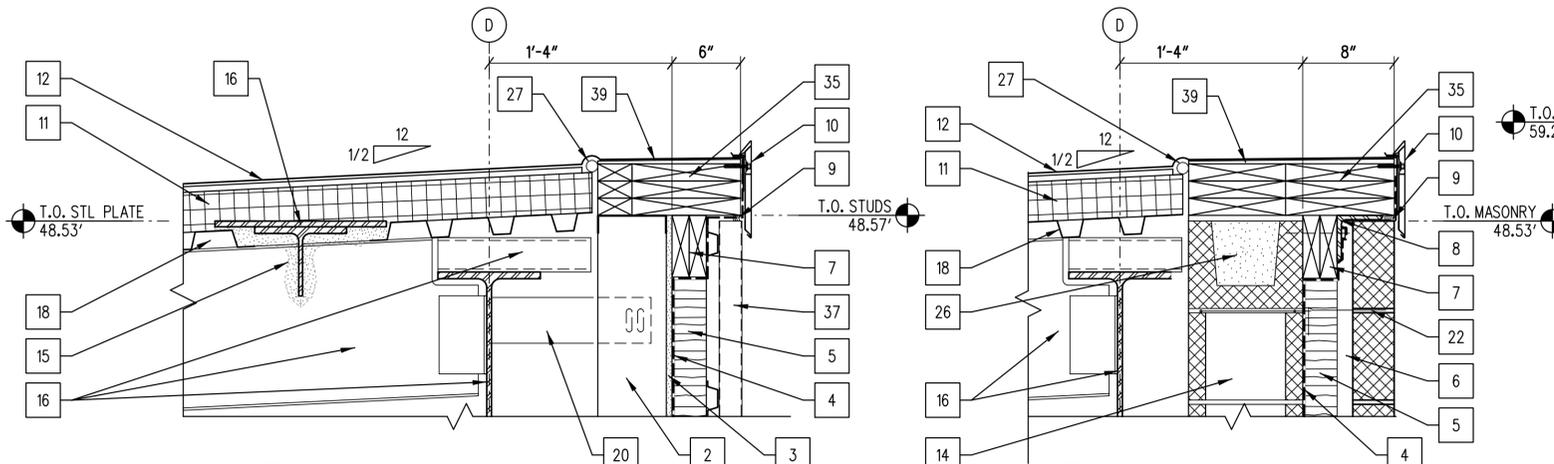


5 SECTION DETAIL
A-604 SCALE: 1-1/2"=1'-0"
REF: A-402

6 SECTION DETAIL
A-604 SCALE: 1-1/2"=1'-0"
REF: A-402

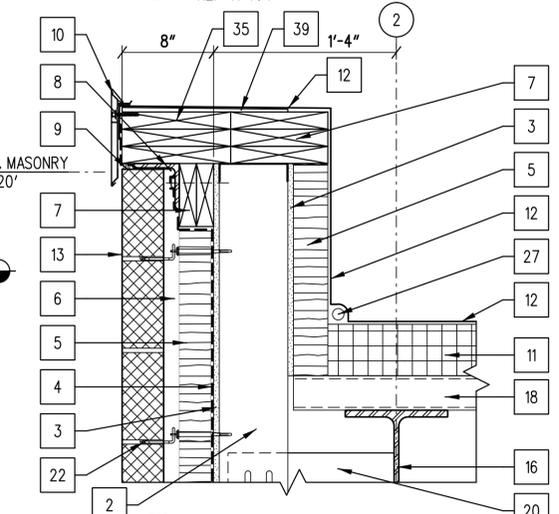


7 SECTION DETAIL
A-604 SCALE: 1-1/2"=1'-0"
REF: A-404



8 SECTION DETAIL
A-604 SCALE: 1-1/2"=1'-0"
REF: A-401, A-405

9 SECTION DETAIL
A-604 SCALE: 1-1/2"=1'-0"
REF: A-405, A-406



10 SECTION DETAIL
A-604 SCALE: 1-1/2"=1'-0"
REF: A-405, A-406

DRAWING NOTES

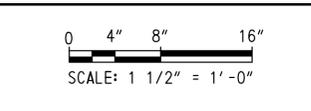
- SPECIFIC CONSTRUCTION NOTES LISTED ON DETAIL SHEETS DO NOT NECESSARILY APPLY TO EVERY DETAIL SHEET.
- SEE SHEETS A-804 THROUGH A-807 FOR DETAILS AT DOOR AND STOREFRONT HEADS, SILLS, AND JAMBS INCLUDING BLOCKING AND AIR BARRIER RETURNS.
- TOP OF EXTERIOR CFS STUD FRAMING BEHIND MASONRY VENEER SHALL BE 1/2" HIGHER THAN T.O. MASONRY ELEVATION INDICATED.
- BEHIND FASCIAS AND GUTTERS, EXTEND AIR BARRIER UP FACE OF BLOCKING AND EXTEND ROOF MEMBRANE DOWN FACE OF BLOCKING SO MEMBRANES OVERLAP.

CONSTRUCTION NOTES

- | | |
|---|--|
| 1 5/8" GYPSUM BOARD | 21 SCHEDULED ALUMINUM STOREFRONT SYSTEM - SEE A-805 FOR DETAILS |
| 2 EXTERIOR COLD-FORMED STEEL STUD FRAMING - SEE WALL SECTIONS | 22 MASONRY VENEER TIES AND ANCHORS AT 16" O.C EACH WAY - TYPICAL |
| 3 1/2" EXTERIOR GLASS-MAT GYPSUM SHEATHING | 23 SOLID CONCRETE MASONRY UNIT |
| 4 FLUID-APPLIED, VAPOR PREEABLE AIR BARRIER | 24 8"x8" PRE-FINISHED ALUMINUM GUTTER |
| 5 3" POLYISOCYANURATE BOARD INSULATION (INS-2) | 25 PRE-FINISHED ALUMINUM DOWNSPOUT |
| 6 AIR SPACE - PROVIDE CAVITY DRAINAGE MATERIAL AT ALL FLASHING LOCATIONS | 26 CONTINUOUS CMU BOND BEAM - (2) #5 BARS TYPICAL |
| 7 2x6 PRESSURE TREATED WOOD BLOCKING | 27 EPDM ROOF SYSTEM MOVEMENT CONTROL JOINT |
| 8 4" x 4" x 3/8" CONTINUOUS STEEL ANGLE | 28 CAST-IN-PLACE CONCRETE FOUNDATION - SEE STRUCTURAL |
| 9 EXTERIOR SEALANT JOINT (JS-ENT) AND BACKER ROD | 29 2" RIGID PERIMETER INSULATION (INS-1) |
| 10 8-1/2" EXTRUDED ALUMINUM FASCIA WITH PRE-FINISHED SNAP-ON ALUMINUM COVER | 30 CAST-IN-PLACE CONCRETE FLOOR SLAB - SEE STRUCTURAL |
| 11 RIGID ROOF INSULATION - R-20 MIN W/ COVER BOARD | 31 CONCRETE SIDEWALK - SEE CIVIL |
| 12 EPDM ROOFING MEMBRANE | 32 EMBEDDED MASONRY THROUGH-WALL FLASHING |
| 13 4" NOM. GROUND FACE CMU VENEER - SEE ELEVATIONS FOR TYPES | 33 WEEPS @ 16" O.C. |
| 14 10" NOMINAL CMU BACKUP WALL | 34 HORIZONTAL JOINT REINFORCING AT 16" O.C. VERTICALLY |
| 15 SPRAY FOAM INSULATION (INS-7) | 35 2x10 FIRE RETARDANT TREATED WOOD BLOCKING |
| 16 STRUCTURAL FRAMING - PAINT EXPOSED STEEL AS INDICATED ON OTHER SHEETS | 36 FULLY GROUT CAVITY BETWEEN CMU VENEER AND INSULATION BELOW FLASHING |
| 17 8" x 8" x 3/8" CONTINUOUS STEEL ANGLE | 37 CORRUGATED METAL PANEL SIDING ON 7/8" HAT CHANNEL FURRING |
| 18 STEEL DECK - SEE STRUCTURAL | 38 STL CHANNEL - REF. STRUCT |
| 19 EXTERIOR PAVING - SEE CIVIL | 39 TAPERED COVER BOARD OVER BLOCKING AS NECESSARY TO ACHIEVE POSITIVE DRAINAGE |
| 20 DEFLECTION CLIP | |

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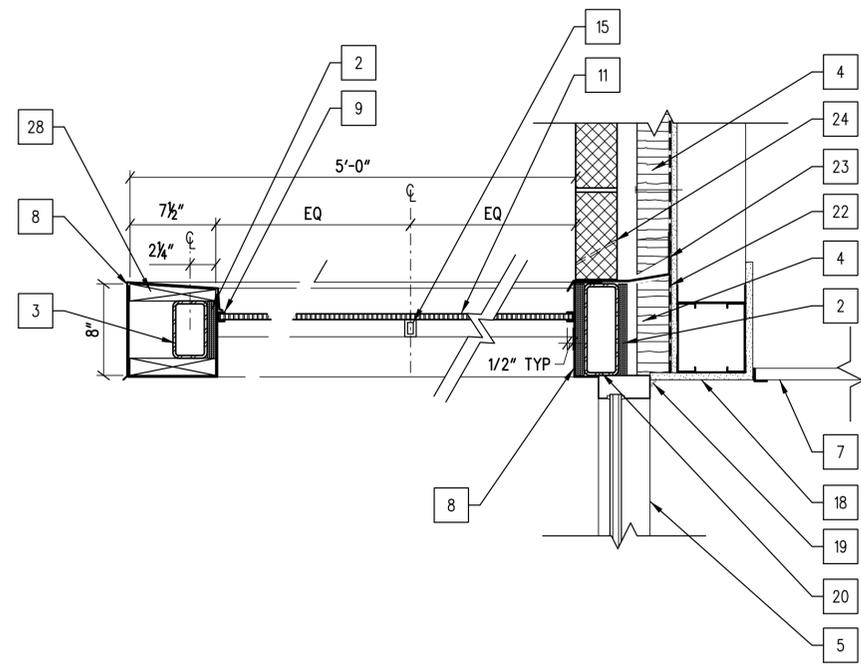
ADDENDUMS / REVISIONS	



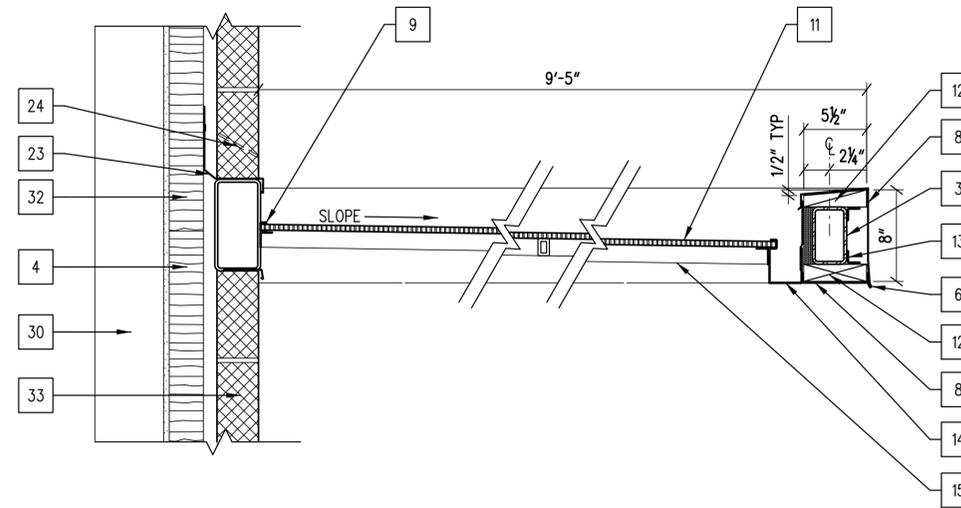
CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: RUH
	CHECKED BY: EJ

CONSTRUCTION NOTES

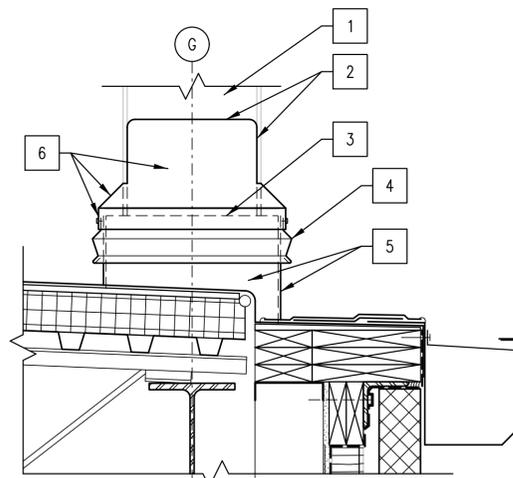
- 1 2x6 PRESSURE TREATED WOOD BLOCKING
- 2 3/4" MARINE PLYWOOD
- 3 5"x3" TUBE STEEL
- 4 3" POLYISOCYANURATE BOARD INSULATION (INS-2)
- 5 SCHEDULED ALUMINUM STOREFRONT SYSTEM
- 6 1/2" FORMED ALUMINUM DRIP EDGE
- 7 SCHEDULED CEILING
- 8 MTL-3 .040 PT ALUM, TYP.
- 9 FOIL TAPE @ POLYCARBONATE PANEL ENDS
- 10 NOT USED
- 11 11 MM CLR MUTLI-CELLED POLYCARBONATE PANEL
- 12 RIPPED 2x6 PRESSURE TREATED WOOD BLOCKING
- 13 CLIP ANGLE
- 14 3" SQ ALUM GUTTER, MTL-3
- 15 ALUM FRAMING
- 16 NOT USED
- 17 NOT USED
- 18 5/8" GYPSUM BOARD
- 19 INTERIOR SEALANT JOINT (JS-INT) AND BACKER ROD
- 20 STEEL TUBE LINTEL
- 21 MINERAL WOOL BATT INSULATION (INS-6)
- 22 FLUID-APPLIED, VAPOR PREEABLE AIR BARRIER
- 23 EMBEDDED MASONRY THROUGH-WALL FLASHING
- 24 WEEPS @ 16" O.C.
- 25 NOT USED
- 26 NOT USED
- 27 NOT USED
- 28 RIPPED 2x8 PRESSURE TREATED WOOD BLOCKING
- 29 AIR SPACE - PROVIDE CAVITY DRAINAGE MATERIAL AT ALL FLASHING LOCATIONS
- 30 EXTERIOR COLD-FORMED STEEL STUD FRAMING - SSMA 600S162-97 AT 12" O.C.
- 31 1/2" EXTERIOR GLASS-MAT GYPSUM SHEATHING
- 32 8"x4" TUBE STEEL
- 33 4" NOM. GROUND FACE CMU VENEER - SEE ELEVATIONS FOR TYPES



1 SECTION DETAIL - ENTRANCE CANOPY
A-605 SCALE: 1-1/2"=1'-0"
REF: A-503



2 SECTION DETAIL - ENTRANCE CANOPY
A-605 SCALE: 1-1/2"=1'-0"
REF: A-503



DETAIL 3 NOTES

- 1 STEEL COLUMN THROUGH ROOF - SEE STRUCTURAL
- 2 CONTINUOUSLY WELD FLASHING TO COLUMN FACES
- 3 FIRE RETARDANT TREATED WOOD CURB AROUND COLUMN
- 4 STAINLESS STEEL COUNTERFLASHING
- 5 TURN EPDM ROOFING SYSTEM UP FACE OF CURB
- 6 GALVANIZED STEEL PLATE FLASHING - PAINT TO MATCH COLUMN

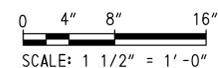
FOR ALL PORTIONS OF THIS DETAIL NOT IDENTIFIED, SEE DETAIL 3/A-603.

THIS DETAIL IS PROVIDED TO INDICATE DESIGN INTENT. CURB, BASE FLASHING, COUNTERFLASHINGS, STEEL PLATE FLASHINGS AND OTHER COMPONENTS NOT SHOWN SHALL CONFORM TO SMACNA OR NRCA STANDARD DETAILS FOR THIS TYPE OF PENETRATION FLASHING.

3 SECTION DETAIL
A-603 SCALE: 1-1/2"=1'-0"
REF: A-404

ADDENDUMS / REVISIONS

NO.	DATE	DESCRIPTION



DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: RJH
	CHECKED BY: EJ

ENTRANCE CANOPY
SECTION DETAILS

A-605
SHEET NO. 106
TOTAL SHTS. 185

LOCATION	ROOM FINISH SCHEDULE										
	ROOM NO.	DESCRIPTION	FLOOR	BASE	WALLS				CEILING		REMARKS
					NORTH	EAST	SOUTH	WEST	TYPE	HEIGHT	
	101	SECURITY / POOL OFFICE	CPT-1	RB-1	PT-2	PT-2	PT-2	PT-2	APC-1	8'-0"	
	102	COUNTING ROOM	CPT-1	RB-1	PT-2	PT-2	PT-2	PT-2	APC-1	8'-0"	
	103	VESTIBULE	PC-1	RB-1	PT-2	PT-2	PT-2	PT-2	APC-1	8'-0"	
	104	MENS TOILET ROOM / LOCKER	CT-1/RF-1*	CBT-1	PT-2	CWT-1/ PT-2	CWT-1/ PT-2	CWT-1/ PT-2	APC-1 / GYPB/ PT-1**	8'-0"/ 7'-6"***	**SEE PLAN FOR RF-1 LOCATION ***SEE RCP
	105	WOMENS TOILET ROOM / LOCKER	CT-1/RF-1*	CBT-1	CWT-1/ PT-2	CWT-1/ PT-2	PT-2	CWT-1/ PT-2	APC-1 / GYPB/ PT-1**	8'-0"/ 7'-6"***	**SEE PLAN FOR RF-1 LOCATION ***SEE RCP
	106	CORRIDOR	PC-1	RB-1	PT-2	NONE	PT-2	PT-2	APC-1	9'-4"	
	107	VESTIBULE	WO-1	RB-1	PT-2	PT-2	PT-2	PT-2	APC-1	9'-4"	
	108	JANITOR	RF-1	RB-1	PT-1	PT-1	PT-1	PT-1	APC-1	8'-0"	
	109	UNIFORM CLOSET	PC-1	RB-1	PT-1	PT-1	PT-1	PT-1	APC-1	8'-0"	
	110	LOCKER ROOM	PC-1	RB-1	PT-2	PT-2	PT-2	PT-2	APC-1	9'-4"	
	111	KITCHENETTE	PC-1	RB-1	PT-1	PT-2	PT-2	PT-2	APC-1	9'-4"	
	112	DRIVER READY RM / SHOP BREAK RM	PC-1	RB-1	PT-2	PT-2	PT-2	PT-2	APC-1 / EXP	9'-4"	
	113	CONTROL CENTER	CPT-1	RB-1	PT-2	PT-2	PT-2	PT-2	APC-1	9'-4"	
	114	SUPERVISOR	CPT-1	RB-1	PT-2	PT-2	PT-2	PT-2	APC-1	9'-4"	
	115	VENDING	WO-1	RB-1	PT-2	PT-2	PT-2	PT-2	APC-1	9'-4"	
	116	ELECTRICAL	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	APC-1	8'-0"	
	117	TELECOM	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	APC-1	8'-0"	
	118	MECHANICAL	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	EXP	EXP	
SOUTH BUILDING	200	VESTIBULE	RES-1	RES-1	PT-1,3*	PT-1,3*	PT-1,3*	PT-1,3*	APC-1	9'-0"	*PT-3 TO 12'-0" AFF, PT-1 ABOVE
	202	ELECTRICAL	RES-1	RES-1	PT-1,3*	PT-1,3*	PT-1,3*	PT-1,3*	EXP	EXP	*PT-3 TO 12'-0" AFF, PT-1 ABOVE
	203	GFI SHOP	RES-1	RES-1	PT-1,3*	PT-1,3*	PT-1,3*	PT-1,3*	APC-1	9'-0"	*PT-3 TO 12'-0" AFF, PT-1 ABOVE
	204	MECHANICAL	RES-1	RES-1	PT-1,3*	PT-1,3*	PT-1,3*	PT-1,3*	EXP	EXP	*PT-3 TO 12'-0" AFF, PT-1 ABOVE
	205	FLOOR EQUIPMENT	RES-1	RES-1	PT-1,3*	PT-1,3*	PT-1,3*	PT-1,3*	EXP	EXP	*PT-3 TO 12'-0" AFF, PT-1 ABOVE
	206	CORRIDOR	RES-1	RES-1	PT-1,3*	PT-1,3*	PT-1,3*	PT-1,3*	EXP	EXP	*PT-3 TO 12'-0" AFF, PT-1 ABOVE
	207	CONFERENCE ROOM	RF-1	RB-1	PT-2	PT-2	PT-2	PT-2	APC-1	9'-0"	
	208	UNISEX TOILET	RF-1	RB-1	PT-2	PT-2	PT-2	PT-2	APC-1	8'-0"	
	209	LAUNDRY	RES-1	RES-1	PT-1,3*	PT-1,3*	PT-1,3*	PT-1,3*	EXP	EXP	*PT-3 TO 12'-0" AFF, PT-1 ABOVE
	210	TOOL BOX STORAGE	RES-1	RES-1	PT-1,3*	PT-1,3*	PT-1,3*	PT-1,3*	EXP	EXP	*PT-3 TO 12'-0" AFF, PT-1 ABOVE
	211	MACHINE / TIRE SHOP	RES-1	RES-1	PT-1,3*	PT-1,3*	PT-1,3*	PT-1,3*	EXP	EXP	*PT-3 TO 12'-0" AFF, PT-1 ABOVE
	212	TIRE STORAGE	RES-1	RES-1	PT-1,3*	PT-1,3*	PT-1,3*	PT-1,3*	EXP	EXP	*PT-3 TO 12'-0" AFF, PT-1 ABOVE
	213	MAINTENANCE SUPERVISOR	RF-1	RB-1	PT-2	PT-2	PT-2	PT-2	APC-1	9'-4"	
	214	STORAGE SUPERVISOR	RF-1	RB-1	PT-2	PT-2	PT-2	PT-2	APC-1	9'-4"	
215	LUBE / COMPRESSOR	RES-1	RES-1	PT-3	PT-3	PT-3	PT-3	EXP*	EXP*	PT-1 MEZZANINE FLOOR ABOVE TO ROOF DECK	
216	STORE ROOM	RES-1	RES-1	PT-1,3*	PT-1,3*	PT-1,3*	PT-1,3*	EXP	EXP	*PT-3 TO 12'-0" AFF, PT-1 ABOVE	
217	MAINTENANCE BAYS	RES-1	RES-1	PT-1,3*	PT-1,3*	PT-1,3*	PT-1,3*	EXP	EXP	*PT-3 TO 12'-0" AFF, PT-1 ABOVE	
218	WASH BAY	RES-1	RES-1	PT-6	PT-6	PT-6	PT-6	PT-6	PT-6		
219	POWER WASH CLOSET	RES-1	RES-1	PT-3	PT-3	PT-3	PT-3	EXP	EXP		
220	CORRIDOR	RES-1	RES-1	PT-1,3*	PT-1,3*	PT-1,3*	PT-1,3*	EXP	EXP	*PT-3 TO 12'-0" AFF, PT-1 ABOVE	

LOCATION	INTERIOR FINISH LIST		
	DESIGNATION	MANUFACTURER - BASIS OF DESIGN	DESCRIPTION
FLOOR	SC-1	-	SEALED CONCRETE
	PC-1	-	POLISHED CONCRETE
	WO-1	SHAW COMMERCIAL	MODULAR WALK-OFF CARPET TILE: 24"x24"; ALL ACCESS; PATTERN: "PATH"; COLOR: *34761, "PORTABELLA"; MONOLITHIC PATTERN INSTALLATION
	CT-1	DALTILE	CERAMIC FLOOR TILE: LODGE PORCELAIN; 12" x 24"; COLOR: *LD005, "SABI SABI"; UNPOLISHED FINISH
	CPT-1	J & J INVISION	MODULAR CARPET TILE: 24" x 24", "ENERGY MODULAR" *7997, COLOR: 1560, VARIABLE; BRICK INSTALLATION PATTERN
	RF-1	ECO SURFACES	RUBBER FLOORING: ECOEARTH, 48" WIDE ROLL; COLOR: *810, "ROLLIN' STONE"
	RES-1	ECONO-SURF	RESINOUS FLOORING SYSTEM; COLOT TO BE SELECTED FROM MANUFACTURER'S FULL RANGE
BASE	RB-1	JOHNSONITE	VINYL BASE: 4" BASE: *101, "SEAWEED"
	CBT-1	DALTILE	CERAMIC BASE TILE: RITTENHOUSE SQUARE: 3" x 6"; COLOR: *0190, "ARCTIC WHITE"
	RES-1	ECONO-SURF	RESINOUS FLOORING SYSTEM TURNED 4" UP WALL TO FORM BASE
WALLS	CWT-1	DALTILE	CERAMIC WALL TILE: RITTENHOUSE SQUARE: 3" x 6" HORIZONTALLY ORIENTED; COLOR: *0190, "ARCTIC WHITE"; RUNNING BOND PATTERN
	PT-1	BENJAMIN MOORE	PAINT; SYSTEM BASED ON SUBSTRATES IDENTIFIED IN SPECIFICATIONS. COLOR: PREVIEW SERIES, "READY-MIX DECORATORS WHITE"
	PT-2	BENJAMIN MOORE	PAINT; SYSTEM BASED ON SUBSTRATES IDENTIFIED IN SPECIFICATIONS. COLOR: CLASSIC COLORS SERIES: *1072, "SAND DUNES"
	PT-3	BENJAMIN MOORE	PAINT; SYSTEM BASED ON SUBSTRATES IDENTIFIED IN SPECIFICATIONS. COLOR: PREVIEW SERIES; INTERIOR "READY-MIX CHARCOAL SLATE"
	PT-6	--	PAINT; 2-COMPONENT EPOXY SYSTEM FOR CMU AND STEEL AS SPECIFIED COLOR: MATCH PT-1
CEILING	APC-1	ARMSTRONG	ACOUSTICAL PANEL CEILING: "DUNE"; 24" x 48"; NON-REGULAR; 15/16" WHITE GRID
MILL WORK	SSM-1	3FORM	SOLID SURFACE: 100 PERCENT BASE; COLOR: "NORDIC"; WINDOW SILLS
	PLAM-1	FORMICA	PLASTIC LAMINATE: SCULPTED COLLECTION: "WHITE", *949-SP; UPPER CABINET DOORS
	PLAM-2	FORMICA	PLASTIC LAMINATE: "PECAN WOODLINE", *5883-58; MATTE FINISH; UPPER & BASE CABINET DOORS
	PLAM-3	FORMICA	PLASTIC LAMINATE: "FOSSIL", *5349-58; MATTE FINISH; BACKSPLASH, COUNTERTOP, RESTROOM KNEE PANEL
	PLAM-4	FORMICA	PLASTIC LAMINATE: "OXYGEN", *1998-58, MATTE FINISH; BACKSPLASH, COUNTERTOP, RESTROOM KNEE PANEL
	PLAM-5	FORMICA	PLASTIC LAMINATE: "WHITE" *949-58; MATTE FINISH; CABINET SHELLS

FINISH SCHEDULE ABBREVIATIONS

SC	SEALED CONCRETE
PC	POLISHED CONCRETE
WO	WALK-OFF CARPET
CT	CERAMIC TILE
CPT	CARPET
RF	RUBBER FLOORING
RB	VINYL BASE
CBT	CERAMIC BASE TILE
CWT	CERAMIC WALL TILE
PT	PAINT
RES	RESINOUS FLOORING SYSTEM
APC	ACOUSTICAL PANEL CEILING
SSM	SOLID SURFACE MATERIAL
PLAM	PLASTIC LAMINATE
EXP	EXPOSED STRUCTURAL FRAMING AND DECK

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ADDENDUMS / REVISIONS	

**DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY**

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: RJH
	CHECKED BY: EJ

**FINISH SCHEDULE
AND FINISHES LIST**

A-801
SHEET NO. 107
TOTAL SHTS. 185

DOOR SCHEDULE												HARDWARE SCHEDULE																	
DOOR NO.	LOCATION (ROOM No.)	OPENING DETAILS	FIRE RATING	DOOR					FRAMES			REMARKS	HINGES			DOOR CLOSERS		LOCKSETS			PUSH / PULL SET	DOOR STOP		KICK PLATES	FLUSH BOLTS	COORD-INATOR	WEATHER STRIP (SET)	THRESHOLD	COMMENTS
				TYPE	SIZE	THICK-NESS	MATERIAL	FINISH	TYPE	MATERIAL	FINISH		CONT	HEAVY	NRP	PAR.	REG.	PASS	CLASS	CARD		WALL	FLOOR						
101	SECURITY/ POOL OFFICE	1	NOT RATED	D2	3070	1 3/4"	WD	PREFIN.	A.1	HM	PT-2		0	1.5 PR.	Y	0	1	0	1	0	0	0	1	0	0	0	0	0	
102	COUNTING ROOM	1	NOT RATED	D1	3070	1 3/4"	HM	PT-2	A.1	HM	PT-2		0	1.5 PR.	Y	1	0	0	0	1	0	0	1	0	1	0	0	0	
103	VESTIBULE	3	NOT RATED	D1	3070	1 3/4"	HM	PT-2	C.2	HM	PT-2		0	1.5 PR.	Y	0	1	0	0	1	0	0	1	0	1	0	0	0	1
104	MENS TOILET ROOM / LOCKER	1	NOT RATED	D1	3070	1 3/4"	WD	PT-2	A.1	HM	PT-2		0	1.5 PR.	N	0	1	1	0	0	0	0	1	0	0	0	0	0	
105	WOMEN'S TOILET ROOM / LOCKER	1	NOT RATED	D1	3070	1 3/4"	WD	PT-2	A.1	HM	PT-2		0	1.5 PR.	N	0	1	1	0	0	0	0	0	1	0	0	0	0	
107.1	VESTIBULE	4	NOT RATED	D4	3070	1 3/4"	ALUM	PREFIN.	--	ALUM	PREFIN.		1	0	N/A	1	0	0	0	1	0	0	0	1	0	0	0	1	SEE NOTES 6 AND 8
107.2	VESTIBULE	1	NOT RATED	D4	3070	1 3/4"	ALUM	PREFIN.	--	ALUM	PREFIN.		1	0	N/A	1	0	0	0	1	0	0	1	0	0	0	0	0	SEE NOTE 7
108	JANITOR	1	NOT RATED	D1	3070	1 3/4"	WD	PREFIN.	A.1	HM	PT-2		0	1.5 PR.	N	0	1	0	1	0	0	0	1	0	0	0	0	0	
109	UNIFORM CLOSET	1	NOT RATED	D2	3070	1 3/4"	WD	PREFIN.	A.1	HM	PT-2		0	1.5 PR.	N	1	0	1	0	0	0	0	0	0	0	0	0	0	
113	CONTROL CENTER	1	NOT RATED	D3	3070	1 3/4"	WD	PREFIN.	A.1	HM	PT-2		0	1.5 PR.	N	0	1	0	0	1	0	0	1	0	1	0	0	0	
114	SUPERVISOR	1	NOT RATED	D2	3070	1 3/4"	WD	PREFIN.	A.1	HM	PT-2		0	1.5 PR.	N	0	1	0	1	0	0	0	1	0	0	0	0	0	
115	VENDING	3	NOT RATED	D4	3070	1 3/4"	ALUM	PREFIN.	--	ALUM	PREFIN.		1	0	N/A	1	0	0	0	1	0	0	0	1	0	0	0	1	
116	ELECTRICAL ROOM	3	NOT RATED	D1	3070	1 3/4"	HM	PT-2	C.2	HM	PT-2	SEE NOTE 4	0	1.5 PR.	Y	1	0	0	1	0	0	0	0	0	1	0	0	0	
117	TELECOM	1	NOT RATED	D1	3070	1 3/4"	WD	PREFIN.	A.1	HM	PT-2		0	1.5 PR.	Y	0	1	0	1	0	0	0	1	0	0	0	0	0	
118	MECHANICAL ROOM	3	NOT RATED	D5	6070	1 3/4"	HM	PT-2	D.2	HM	PT-2		0	3 PR.	Y	1	0	0	1	0	0	0	0	2	2	1 SET	1	2	
200	VESTIBULE	5	NOT RATED	D3	3070	1 3/4"	HM	PT-2 / PT-3	C.2	HM	PT-2 / PT-3	SEE NOTE 3	0	1.5 PR.	Y	1	0	0	0	1	0	0	0	1	1	0	0	1	
202	ELECTRICAL ROOM	5	NOT RATED	D1	3070	1 3/4"	HM	PT-2 / PT-3	C.2	HM	PT-2 / PT-3	SEE NOTES 3 AND 4	0	1.5 PR.	Y	1	0	0	1	0	0	0	0	1	0	0	0	1	
203	GFI SHOP	2	NOT RATED	D1	3070	1 3/4"	HM	PT-3	C.2	HM	PT-3		0	1.5 PR.	Y	0	1	0	0	1	0	0	1	0	1	0	0	0	
204	MECHANICAL ROOM	5	NOT RATED	D1	3070	1 3/4"	HM	PT-2 / PT-3	C.2	HM	PT-2 / PT-3	SEE NOTES 3 AND 4	0	1.5 PR.	Y	1	0	0	1	0	0	0	0	1	0	0	0	1	
206	CORRIDOR	2	NOT RATED	D3	3070	1 3/4"	HM	PT-3	C.2	HM	PT-3		0	1.5 PR.	N	1	0	1	0	0	0	0	1	0	1	0	0	0	
207	CONFERENCE ROOM	2	NOT RATED	D2	3070	1 3/4"	HM	PT-3	C.2	HM	PT-3		0	1.5 PR.	N	0	1	0	1	0	0	0	1	0	0	0	0	0	PROVIDE SMOKE SEALS
208	UNISEX TOILET	2	NOT RATED	D1	3070	1 3/4"	HM	PT-3	C.2	HM	PT-3		0	1.5 PR.	N	0	1	0	1	0	0	0	1	0	1	0	0	0	
210	TOOL BOX STORAGE	--	N / A	--	4070	--	STL.	PT-3	--	--	PT-3	SLIDING GATE IN WIRE MESH PARTITION	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SLIDING GATE	
212.1	TIRE STORAGE	--	N / A	--	4070	--	STL.	PT-3	--	--	PT-3	SLIDING GATE IN WIRE MESH PARTITION	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SLIDING GATE	
212.2	TIRE STORAGE	--	N / A	--	4070	--	STL.	PT-3	--	--	PT-3	SLIDING GATE IN WIRE MESH PARTITION	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SLIDING GATE	
213	MAINTENANCE SUPERVISOR	2	NOT RATED	D2	3070	1 3/4"	HM	PT-3	C.2	HM	PT-3		0	1.5 PR.	N	1	0	0	1	0	0	0	0	0	0	0	0	0	PROVIDE SMOKE SEALS
214	STORAGE SUPERVISOR	2	NOT RATED	D2	3070	1 3/4"	HM	PT-3	C.2	HM	PT-3		0	1.5 PR.	N	1	0	0	1	0	0	0	0	0	0	0	0	0	PROVIDE SMOKE SEALS
215.1	LUBE/COMPRESSOR	2	NOT RATED	D1	3070	1 3/4"	HM	PT-3	C.2	HM	PT-3		0	1.5 PR.	Y	0	1	1	0	0	0	0	1	1	0	0	0	0	
215.2	LUBE/COMPRESSOR	5	NOT RATED	D5	6070	1 3/4"	HM	PT-2 / PT-3	D.2	HM	PT-2 / PT-3	SEE NOTE 3	0	3 PR.	Y	1	0	0	1	0	0	0	0	2	1 SET	1	2		
216.1	STORE ROOM	2	NOT RATED	D6	6070	1 3/4"	HM	PT-3	D.2	HM	PT-3		0	3 PR.	Y	0	0	0	0	1	0	0	0	2	1 SET	1	0	SEE NOTE 5	
216.2	STORE ROOM	5	NOT RATED	D1	3070	1 3/4"	HM	PT-2 / PT-3	C.2	HM	PT-2 / PT-3	SEE NOTE 3	0	1.5 PR.	N	1	0	0	0	1	0	0	0	1	0	0	1	SEE NOTE 8	
216.3	STORE ROOM		N / A	--	10' x 12'	--	STL.	PREFIN.	--	--	NONE	OVERHEAD SECTIONAL DOOR (OHD-M)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	OVERHEAD DOOR (OHD-M)	
217.1	MAINTENANCE BAYS	5	NOT RATED	D1	3070	1 3/4"	HM	PT-2 / PT-3	C.2	HM	PT-2 / PT-3	SEE NOTE 3	0	1.5 PR.	Y	1	0	0	0	1	0	0	0	1	0	0	1		
217.2	MAINTENANCE BAYS	3	NOT RATED	D1	3070	1 3/4"	HM	PT-2 / PT-3	C.2	HM	PT-2 / PT-3	SEE NOTE 3	0	1.5 PR.	Y	1	0	0	0	1	0	0	0	1	0	0	1		
217.3	MAINTENANCE BAYS		N / A	--	14' x 14'	--	STL.	PREFIN.	--	--	NONE	OVERHEAD SECTIONAL DOOR (OHD-M)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	OVERHEAD DOOR (OHD-M)	
217.4	MAINTENANCE BAYS		N / A	--	14' x 14'	--	STL.	PREFIN.	--	--	NONE	OVERHEAD SECTIONAL DOOR (OHD-M)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	OVERHEAD DOOR (OHD-M)	
218.1	WASH BAY	2	NOT RATED	D1	3070	1 3/4"	HM	PT-3	C.2	HM	PT-3		0	1.5 PR.	N	1	0	1	0	0	0	0	0	1	0	0	1		
218.2	WASH BAY	5	NOT RATED	D2	3070	1 3/4"	HM	PT-2 / PT-3	C.2	HM	PT-2 / PT-3	SEE NOTE 3	0	1.5 PR.	Y	1	0	0	1	0	0	0	0	1	0	0	1		
218.3	WASH BAY	5	NOT RATED	D2	3070	1 3/4"	HM	PT-2 / PT-3	C.2	HM	PT-2 / PT-3	SEE NOTE 3	0	1.5 PR.	Y	1	0	0	0	1	0	0	0	1	0	0	1		
218.4	WASH BAY		N / A	--	14' x 14'	--	STL.	PREFIN.	--	--	NONE	OVERHEAD SECTIONAL DOOR (OHD-M)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	OVERHEAD DOOR (OHD-M)	
218.5	WASH BAY		N / A	--	14' x 14'	--	STL.	PREFIN.	--	--	NONE	OVERHEAD SECTIONAL DOOR (OHD-M)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	OVERHEAD DOOR (OHD-M)	
219	POWER WASH CLOSET	2	NOT RATED	D5	6070	1 3/4"	HM	PT-3	D.2	HM	PT-3		0	3 PR.	N	0	0	0	1	0	0	0	0	1	2	1 SET	0	0	

DOOR SCHEDULE NOTES:

- ALL DOOR AND FRAMES TYPES LISTED IN THE SCHEDULE ARE LOCATED ON SHEET A-803
- ALL OPENING DETAILS LISTED IN THE SCHEDULE ARE LOCATED ON SHEET A-803
- PAINT EXTERIOR SIDES PT-2 AND INTERIOR SIDES PT-3
- PROVIDE SCHEDULED FRAME TYPE WITH TRANSOM OPTION FOR LOUVER - SEE BUILDING ELEVATIONS.
- PROVIDE SURFACE BOLTS BETWEEN UPPER AND LOWER PORTIONS OF BOTH LEAVES OF DUTCH DOOR IN ADDITION TO FLUSH BOLTS AT HEAD AND SILL OF INACTIVE LEAF.
- PROVIDE AUTOMATIC DOOR OPERATOR: PROGRAM TO ALLOW EXIT AT ANY TIME BUT ENTRY ONLY BY CARD READER.
- COORDINATE FUNCTION OF ELECTRIC STRIKE WITH DOOR 107.1 AUTOMATIC OPERATOR TO MAINTAIN BUILDING SECURITY. VERIFY FUNCTION OF BOTH DOORS WITH OWNER.
- IN ADDITION TO THOSE INDICATED IN THE SCHEDULE, PROVIDE (2) LOCK BOXES FOR MANUAL PERSONNEL GATES IN SITE FENCE, AND (2) LOCK BOXES IN MOTORIZED VEHICULAR GATES. FOR MODEL NO. CONTACT THE KNOX CO FOR THE LEWES FIRE DEPARTMENT APPROVED MODEL.

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ADDENDUMS / REVISIONS	

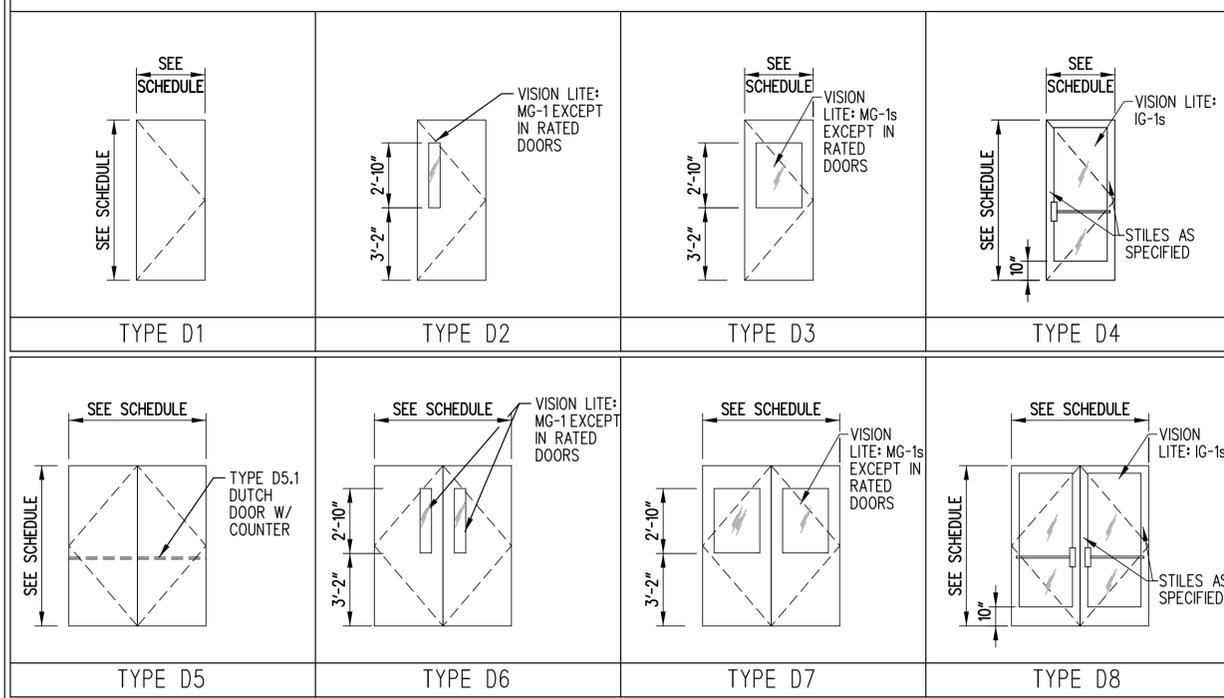
DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: NCL
	CHECKED BY: EBL

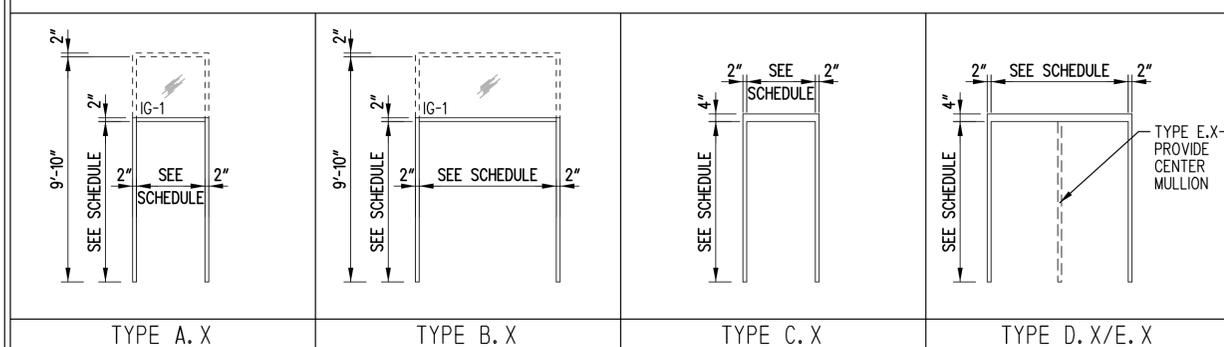
DOOR AND HARDWARE
SCHEDULE

A-802
SHEET NO.
108
TOTAL SHTS.
185

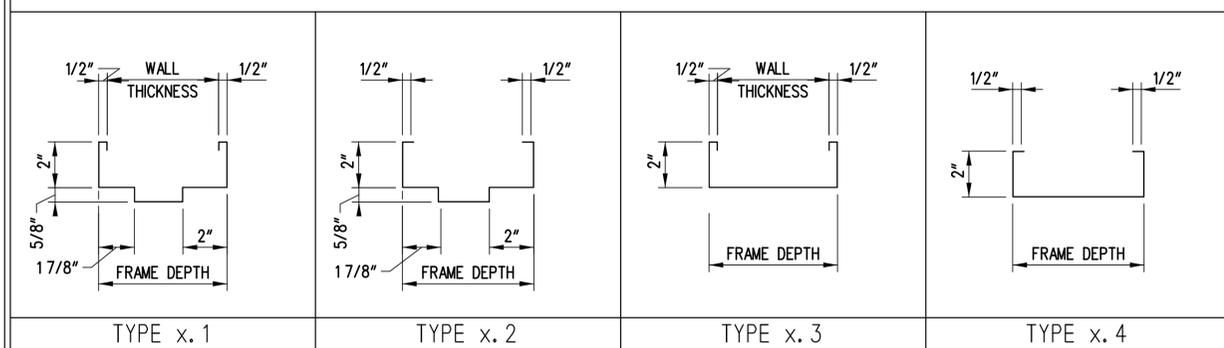
SCHEDULED DOOR TYPES



SCHEDULED FRAME TYPES



SCHEDULED FRAME PROFILES



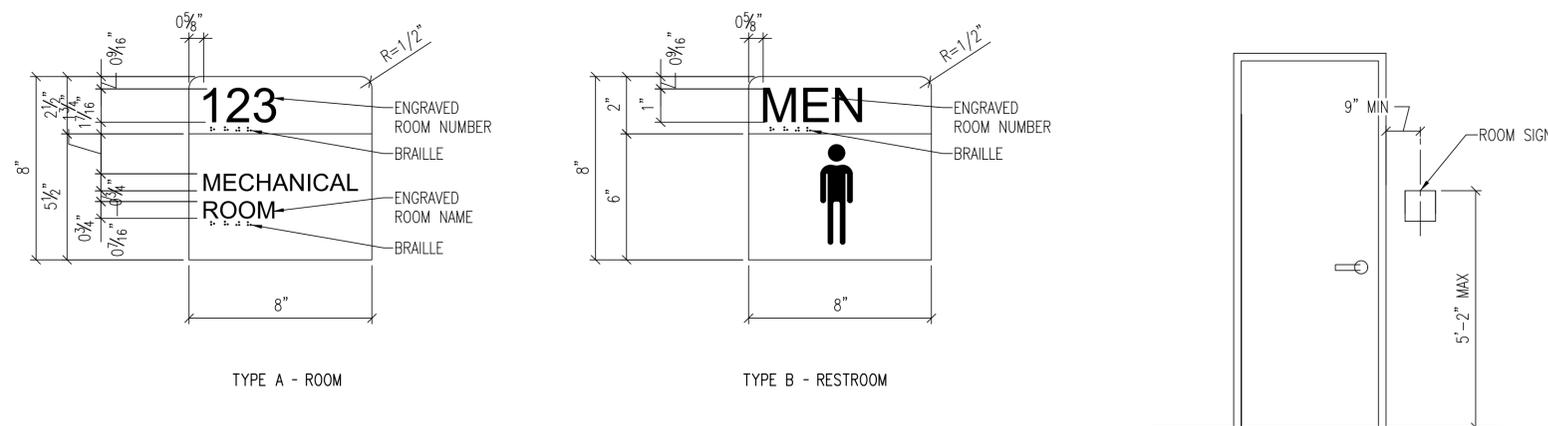
GLAZING LEGEND

MG-1: MONOLITHIC CLEAR FLOAT GLASS
 IG-1: TINTED LOW-E INSULATING GLASS
 MG-1s / IG-1s: SAFETY GLAZING REQUIRED

HARDWARE LIST

DESIGNATION	MANUFACTURER	DESCRIPTION	FINISH	BHMA NUMBER	
HINGES	CONT.	MCKINNEY	GEARED CONTINUOUS HINGE; MCK-12HD	US28	A31021G
	HEAVY	HAGER	HEAVY DUTY BALL BEARING HINGES, 4-1/2" X 4-1/2"; BB1199	US32D	A5111
	NRP	N/A	NON-REMOVEABLE PINS	--	--
DOOR CLOSER	PAR.	CORBIN RUSSWIN	PARALLEL ARM CLOSER; DC3210	SILVER ALUM. PAINTED	C02021
	REG.	CORBIN RUSSWIN	REGULAR ARM CLOSER; DC3200	SILVER ALUM. PAINTED	C02011
LOCKSET	PASS	SARGENT	MORTISE LOCKSET, PASSAGE FUNCTION; 8200 SERIES "L" LEVER	US32D	F01
	CLASS		MORTISE LOCKSET, CLASSROOM FUNCTION; 8200 SERIES "L" LEVER	US32D	F05
	CARD		MORTISE LOCKSET COMPATIBLE WITH ELECTRIC STRIKE SPECIFIED IN SECURITY SYSTEM SPECIFICATIONS. LEVER TO MATCH OTHER LOCKSETS	US32D	F07
PUSH / PULL SET	BY DOOR MANUF.	SINGLE STRAIGHT PUSH AND PULL BAR SET	MATCH DOORS	J504	
DOOR STOP	WALL	ROCKWOOD	WALL TYPE BUMPER WITH CONCAVE PAD	US32D	L02261
	FLOOR	ROCKWOOD	LOW DOME / HIGH DOME (AS APPROPRIATE) TYPE FLOOR BUMPER	US32D	L02141 / L02161
KICK PLATES	ROCKWOOD	METAL KICK PLATE, .062" THICK STAINLESS STEEL, 12" HIGH	US32D	J102	
FLUSH BOLTS	ROCKWOOD	SELF LATCHING FLUSH BOLT SET (TOP AND BOTTOM); 1845	US32D	TYPE 27	
COORDINATOR	ROCKWOOD	BAR TYPE HEAD STOP MOUNTED COORDINATOR; 1600 SERIES	PAINT TO MATCH FRAME	TYPE 21	
WEATHERSTRIP (SET)	NATIONAL GUARD	HEAD AND JAMBS - SILICONE BULB FIRE AND SMOKE SEAL; SERIES 5050	FROM MFR. STANDARD	ROE195	
	NATIONAL GUARD	DOOR BOTTOM SWEEP, SILICONE WITH STAINLESS RETAINER; 200SSS	US32D	R5E435	
	NATIONAL GUARD	OVERLAPPING ASTRAGAL, SILICONE WITH STAINLESS RETAINER, 114SA	US32D	R5E635	
SMOKE SEAL (SET)	NATIONAL GUARD	HEAD AND JAMBS - SILICONE BULB FIRE AND SMOKE SEAL; SERIES 5050	FROM MFR. STANDARD	ROE194	
	NATIONAL GUARD	DOOR BOTTOM SWEEP, SILICONE WITH STAINLESS RETAINER; 200SSS	US32D	R5E434	
THRESHOLD	NATIONAL GUARD	THERMALLY BROKEN SADDLE TYPE	US32D	J52290	

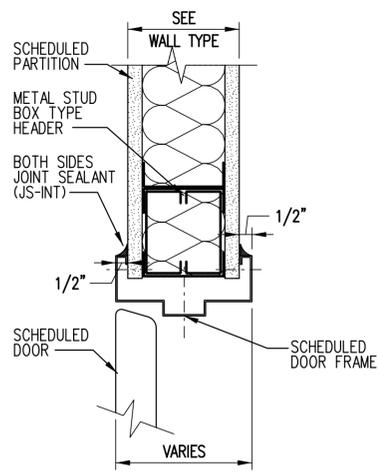
NOTE 1: IN ACCORDANCE WITH THE SPECIFICATIONS OTHER PRODUCTS BY OTHER MANUFACTURERS EQUAL TO THOSE LISTED WILL BE CONSIDERED.



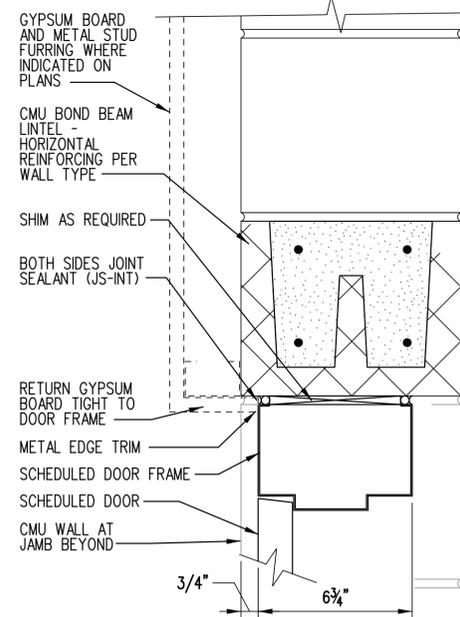
1 ROOM SIGNAGE TYPES
 A-803 SCALE: 3" = 1'-0"

2 TYPICAL SIGNAGE MOUNTING LOCATION
 A-803 SCALE: 1/2" = 1'-0"

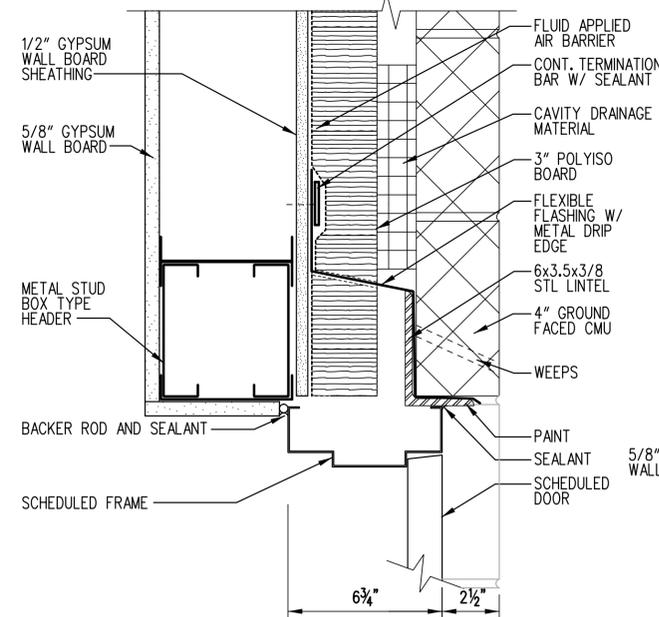
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1A-DOOR HEAD
SCALE: 3" = 1'-0"

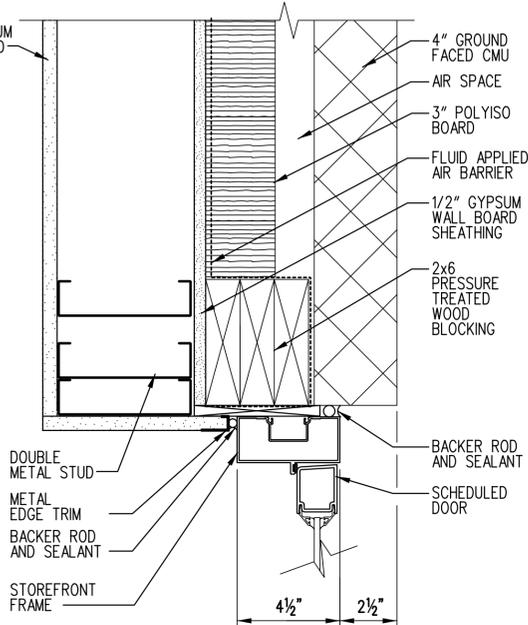


2A-DOOR HEAD
SCALE: 3" = 1'-0"

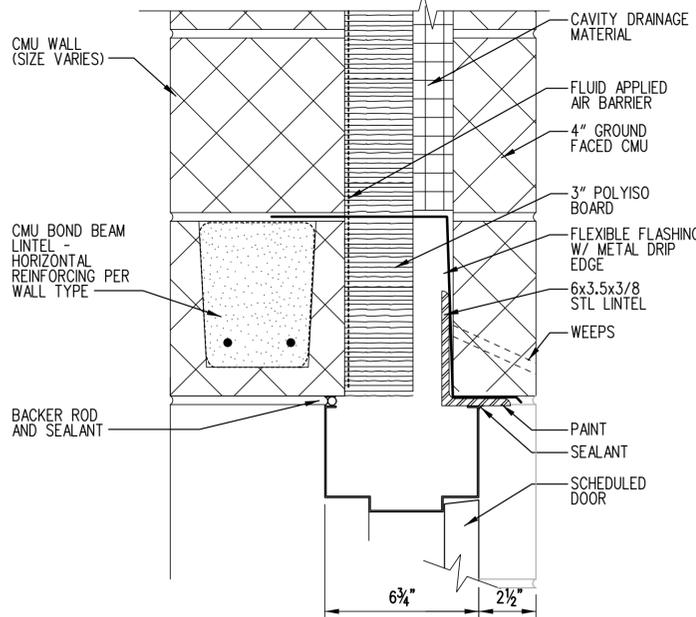


3A-DOOR HEAD
SCALE: 3" = 1'-0"

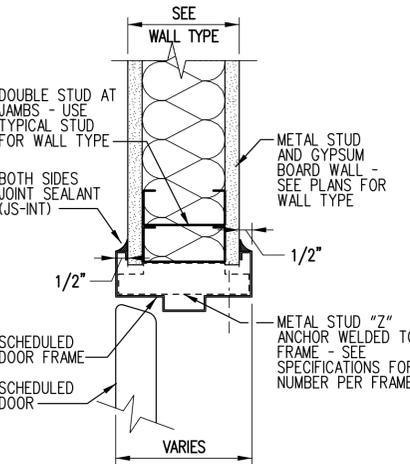
4A-DOOR HEAD
SCALE: 3" = 1'-0"



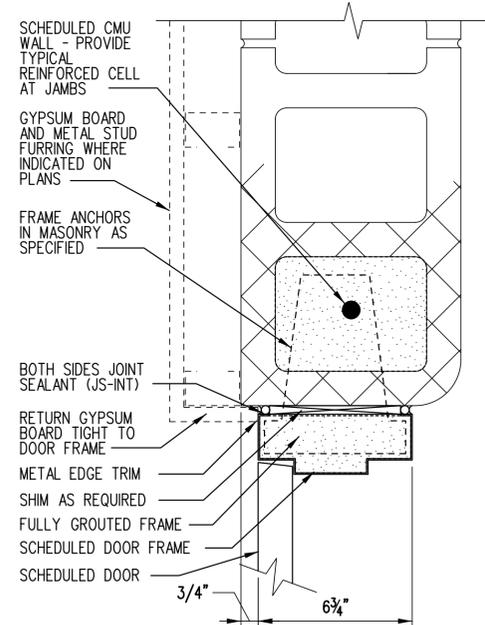
4B-DOOR JAMB
SCALE: 3" = 1'-0"



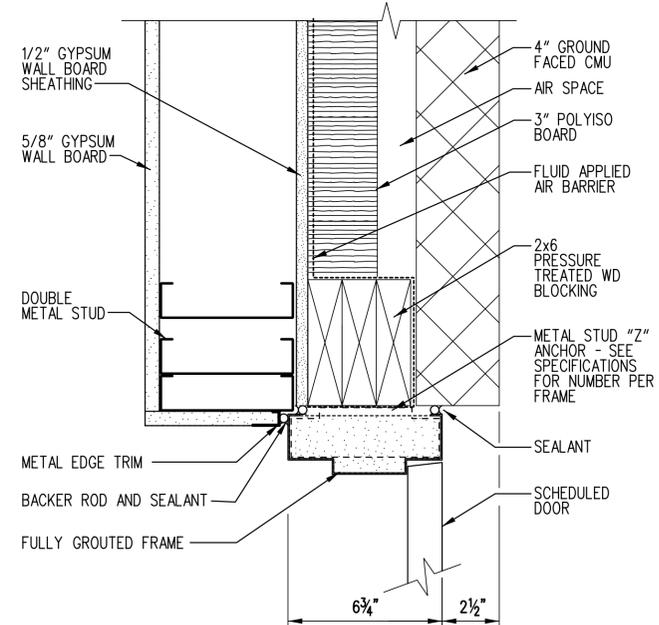
5A-DOOR HEAD
SCALE: 3" = 1'-0"



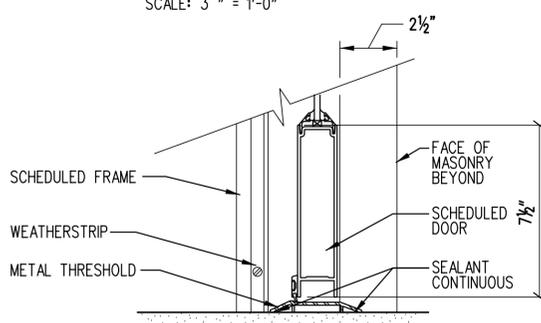
1B-DOOR JAMB
SCALE: 3" = 1'-0"



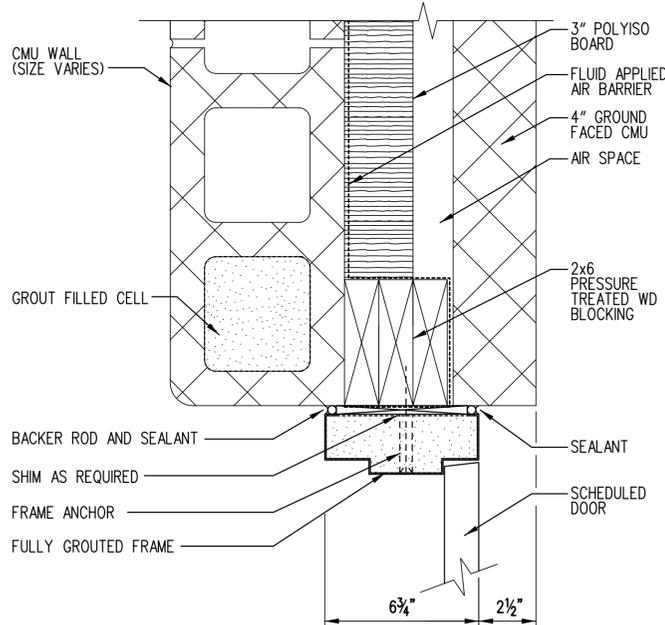
2B-DOOR JAMB
SCALE: 3" = 1'-0"



3B-DOOR JAMB
SCALE: 3" = 1'-0"



4C-DOOR SILL
SCALE: 3" = 1'-0"



5B-DOOR JAMB
SCALE: 3" = 1'-0"

1 INTERIOR HM FRAME
SCALE 3" = 1'-0"
REF: A-802

2 INTERIOR HM FRAME
SCALE 1" = 1'-0"
REF: A-802, A-803

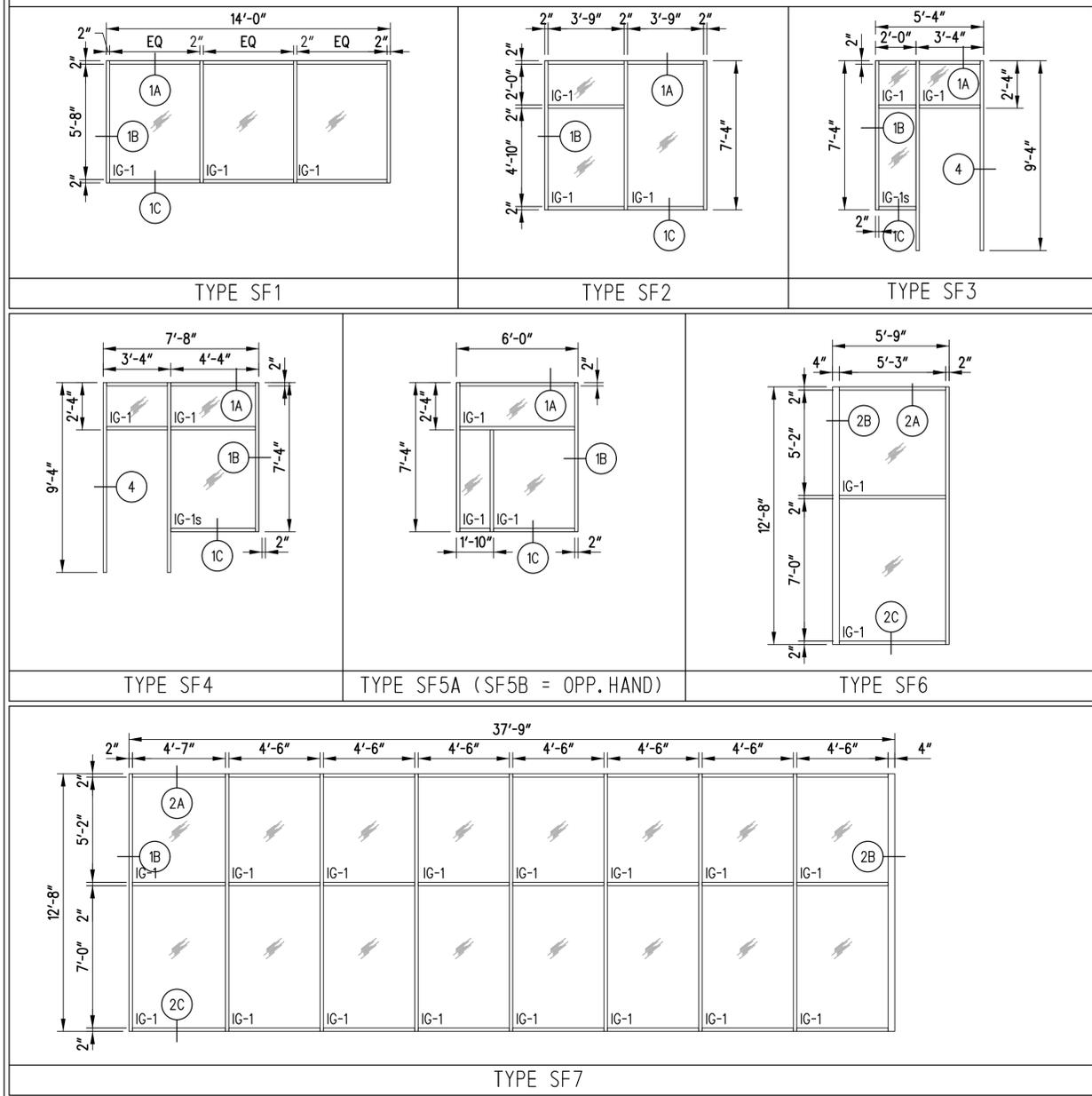
3 EXTERIOR HM FRAME
SCALE 1" = 1'-0"
REF: A-802

4 EXTERIOR STOREFRONT FRAME
SCALE 1" = 1'-0"
REF: A-802

5 EXTERIOR HM FRAME
SCALE 3" = 1'-0"
REF: A-802

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SCHEDULED ALUMINUM STOREFRONT TYPES

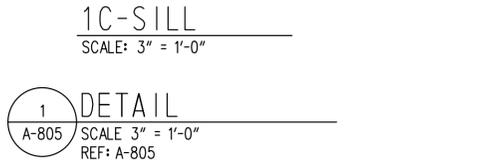
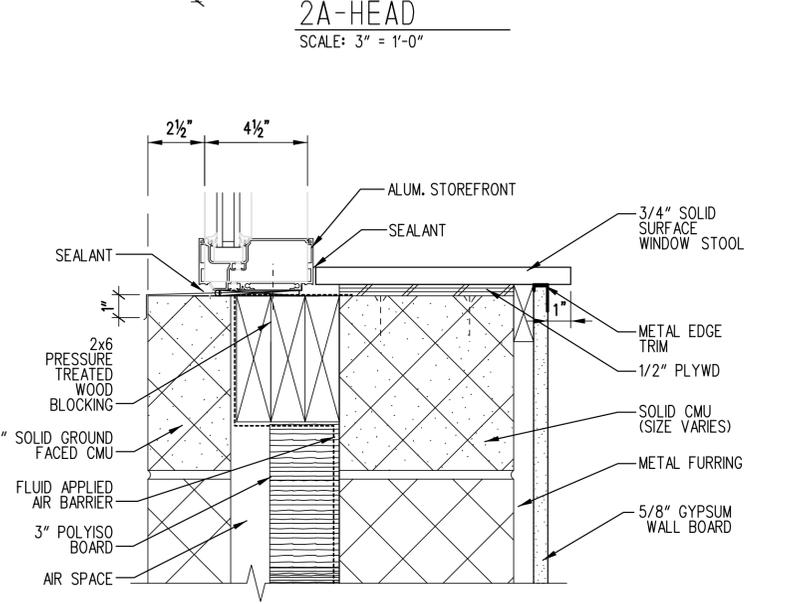
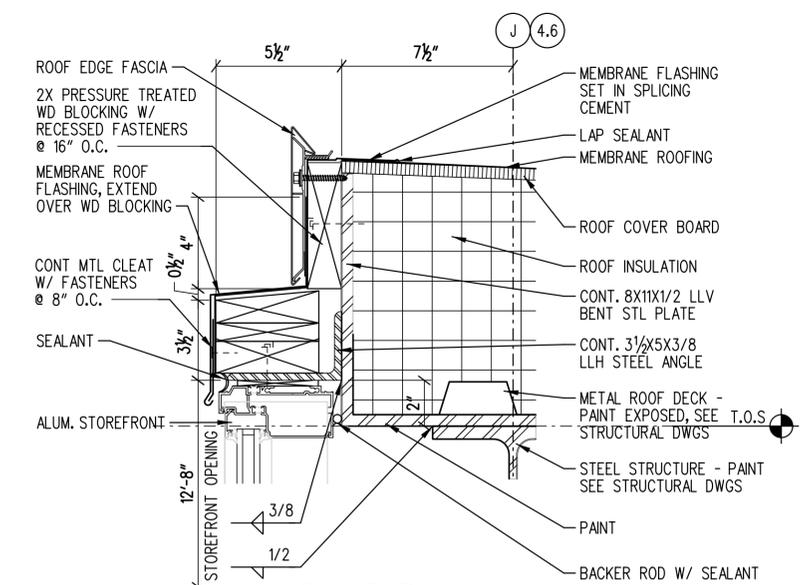
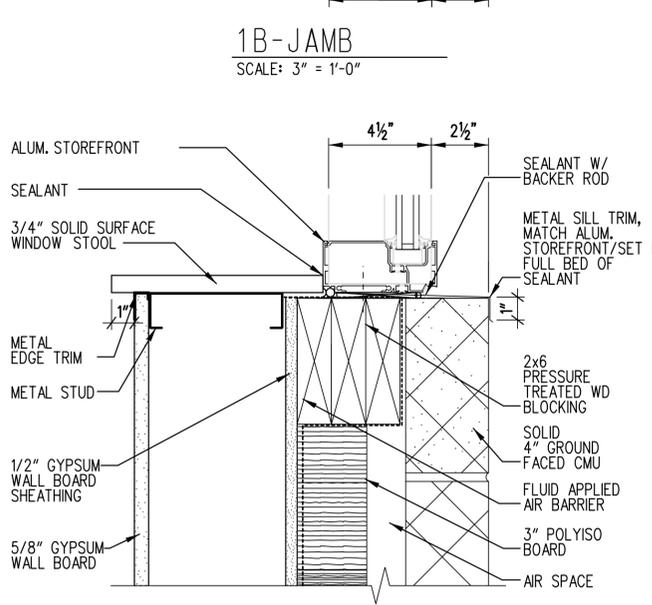
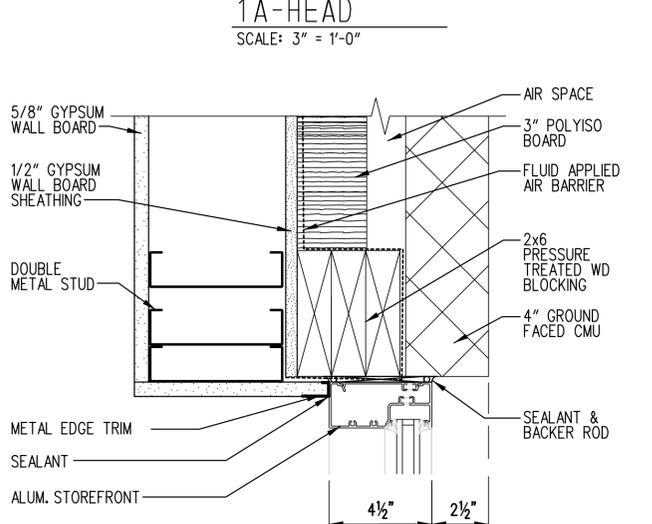
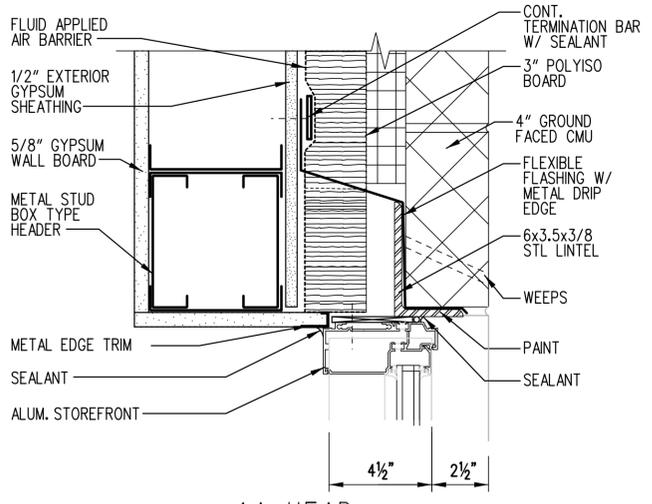


EXTERIOR WINDOW AND STOREFRONT DETAILS

1A	DETAIL 1A DRAWING A-805	2B	DETAIL 7/A-601	4	DETAIL 4B DRAWING A-804
1B	DETAIL 1B DRAWING A-805	2C	DETAIL 2C DRAWING A-805		
1C	DETAIL 1C DRAWING A-805	3A	DETAIL 3A DRAWING A-805		
2A	DETAIL 2A DRAWING A-805	3B	DETAIL 3B DRAWING A-805		

GLAZING LEGEND

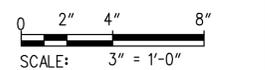
MG-1:	MONOLITHIC CLEAR FLOAT GLASS
IG-1:	TINTED LOW-E INSULATING GLASS
MG-1s / IG-1s:	SAFETY GLAZING REQUIRED



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ADDENDUMS / REVISIONS

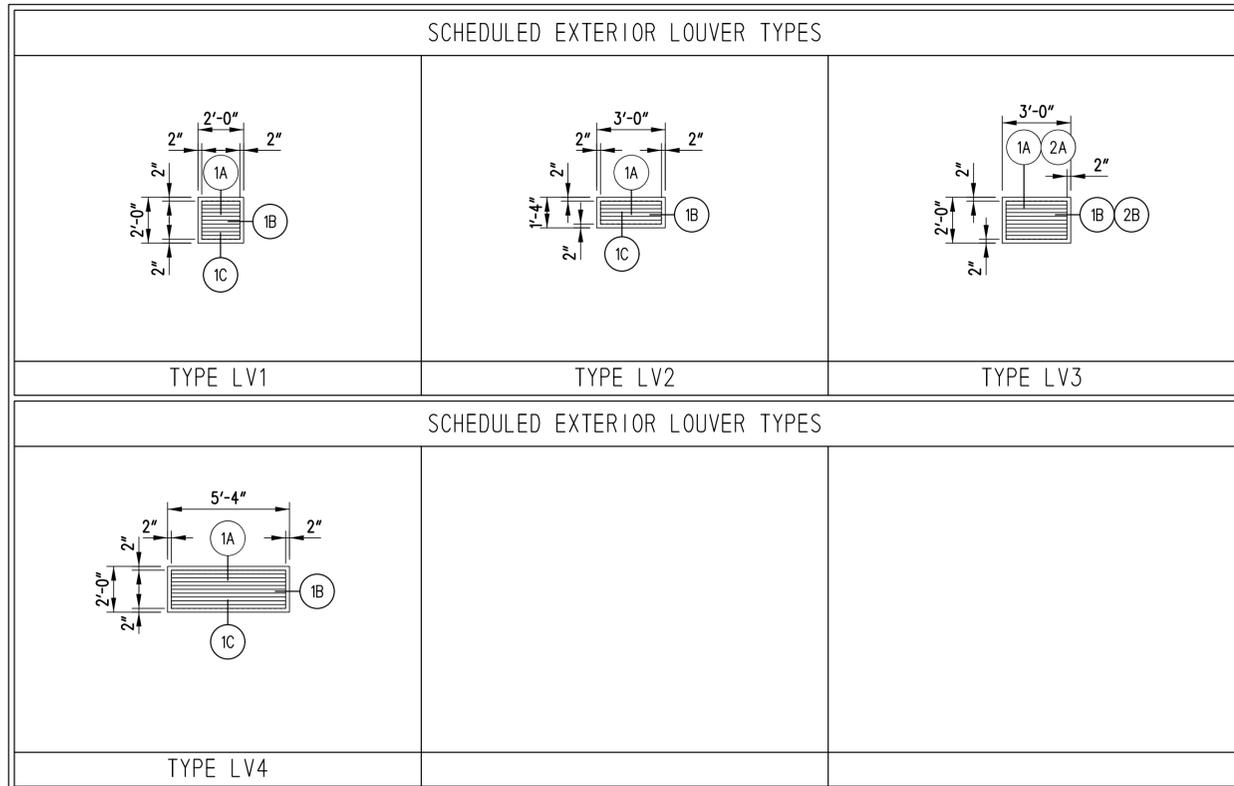


DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY

CONTRACT	T200612502	BRIDGE NO.	
COUNTY	SUSSEX	DESIGNED BY:	NCL
		CHECKED BY:	EBL

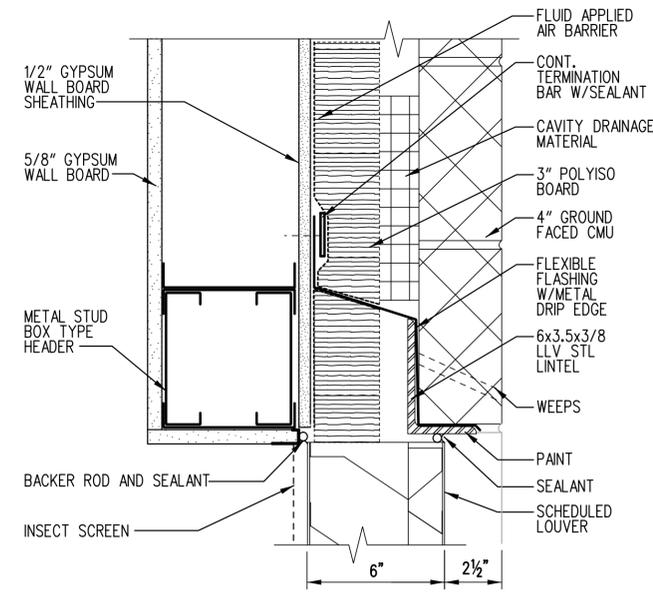
STOREFRONT TYPES AND DETAILS

A-805	SHEET NO.	111
	TOTAL SHTS.	185

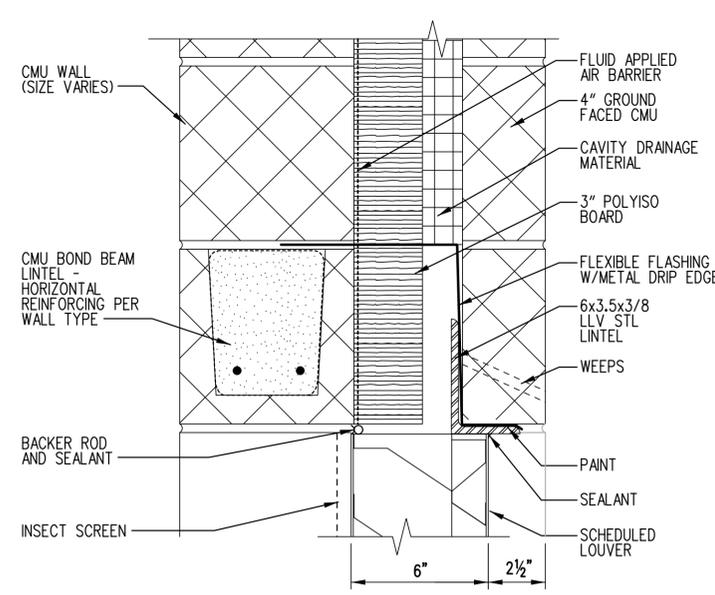


LOUVER DETAILS

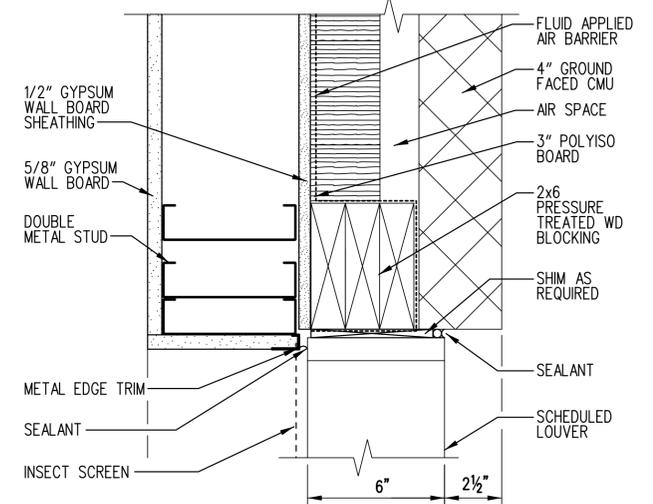
(LV1) DETAIL 1A DRAWING A-807	(LV4) DETAIL 1A DRAWING A-807
(LV2) DETAIL 1A DRAWING A-807	(LV5) DETAIL 2A DRAWING A-807
(LV3) DETAIL 1A AND 2A DRAWING A-807 1. WALL TYPE VARIES, REF WALL SECTIONS 2. INTEGRAL LOUVER & DOOR FRAME	



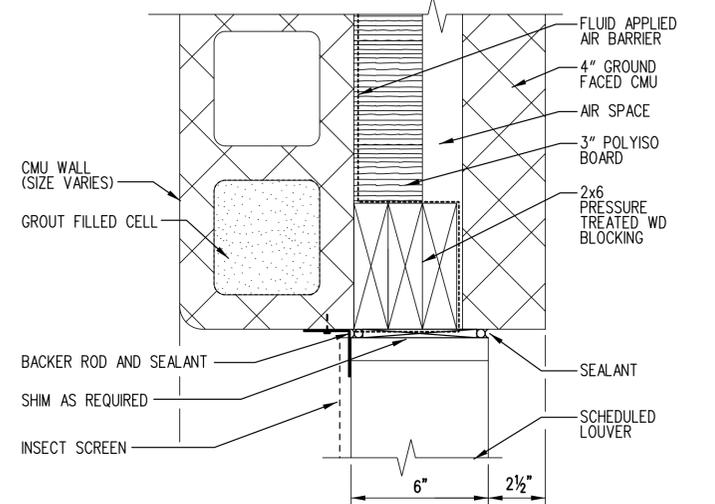
1A-HEAD
SCALE: 3" = 1'-0"



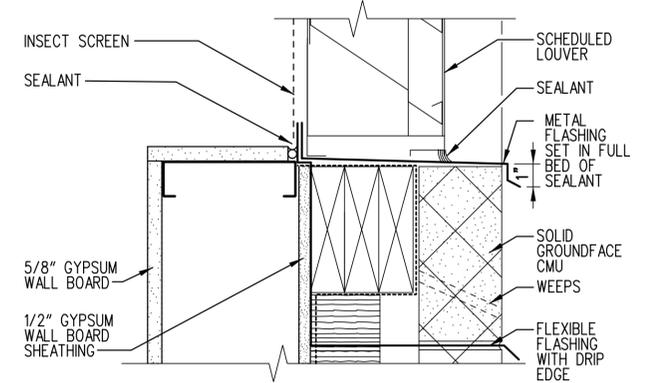
2A-HEAD
SCALE: 3" = 1'-0"



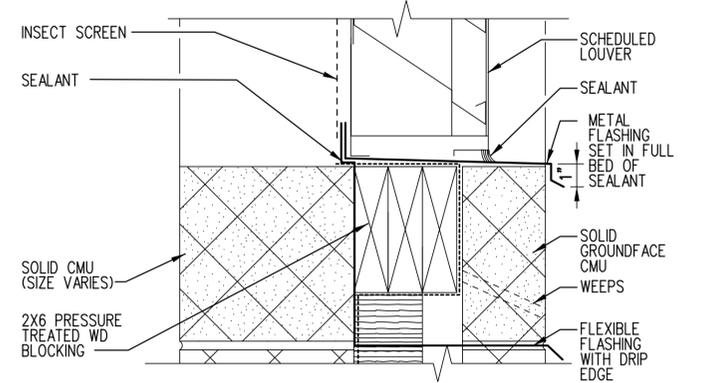
1B-JAMB
SCALE: 3" = 1'-0"



2B-JAMB
SCALE: 3" = 1'-0"



1C-SILL
SCALE: 3" = 1'-0"



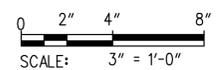
2C-SILL
SCALE: 3" = 1'-0"

1 DETAIL
A-807 SCALE: 3" = 1'-0"
REF: A-807

2 DETAIL
A-807 SCALE: 3" = 1'-0"
REF: A-807

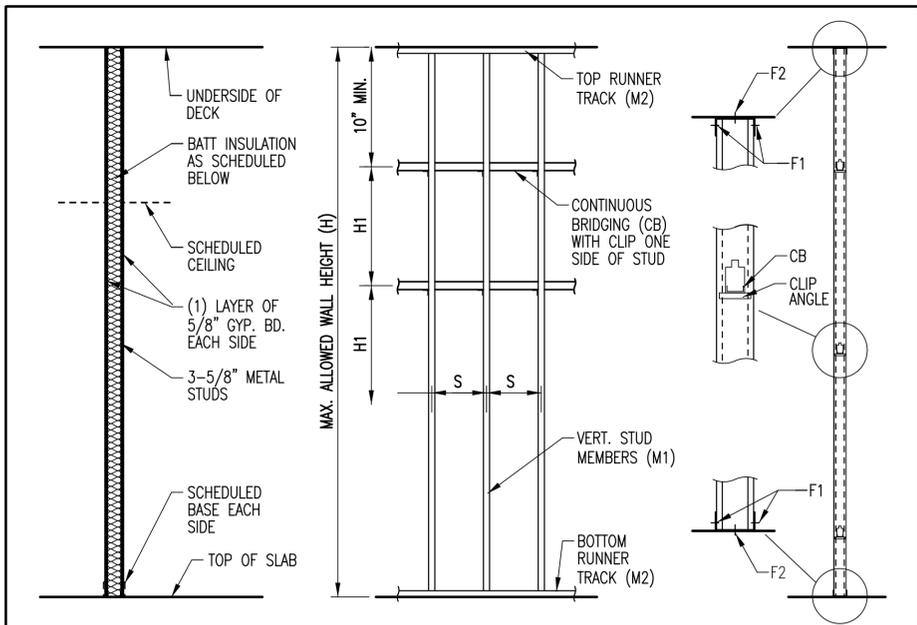
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ADDENDUMS / REVISIONS	



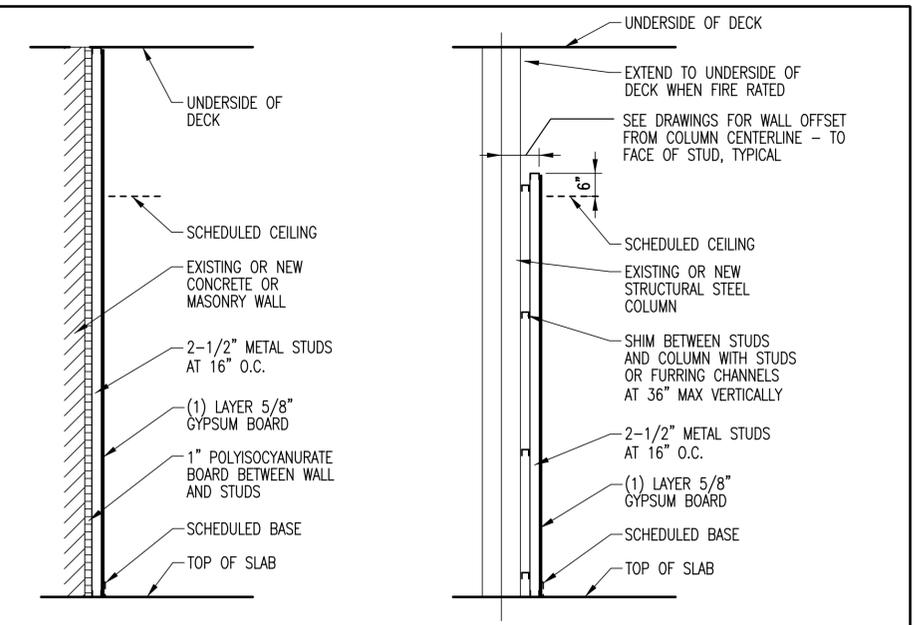
CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: NCL
	CHECKED BY: EBL

A-807
SHEET NO. 113
TOTAL SHTS. 185



TYPE MARK	PARTITION PROPERTIES				
	INSULATION	FIRE-RATING	UL NUMBER	STC RATING	COMMENTS
0A.1	NONE	NOT RATED	N/A	NONE	
0A.2	3.5" UFB	NOT RATED	N/A	STC 45 (MINIMUM)	

STRUCTURAL ARRANGEMENT								
H	H1	S	M1	M2	F1	F2	F3	CB
18'-6"	48"	16"	362S162-43	362T125-43	(1) #8 SELF TAPPING SCREW EACH FLANGE		X-U UNIVERSAL FASTENER X D.145 DIA. W/ 1" EMBED @ 12" O.C. STAGGERED	CHANNEL: 150U50-54 CLIP: 3 1/2" CLIP - SAME GAUGE AS CHANNEL
A INTERIOR PARTITION TYPE								



TYPE MARK	PARTITION PROPERTIES				
	INSULATION	FIRE RATING	UL NUMBER	STC RATING	COMMENTS
0B.1	NONE				
0B.3	NONE				OMIT 1" BOARD INSULATION

STRUCTURAL ARRANGEMENT	
STRUCTURAL ARRANGEMENT DATA NOT PROVIDED THE DESIGNATED PARTITION TYPE IS NOT AN ENGINEERED PARTITION MEETING THE BUILDING CODE REQUIREMENTS FOR INDEPENDANTLY WITHSTANDING 5 LBS OF LATERAL LOADING AND IS ONLY INTENDED TO PROVIDE A GYPSUM BOARD FINISHED FACE COVERING A MASONRY OR CONCRETE WALL OR STEEL COLUMN. THE WALL OR COLUMN SHALL RESIST ALL REQUIRED LATERAL LOADS TRANSFERRED FROM THE STUD AND GYPSUM PARTITION. ALL FASTENER REQUIREMENTS FOR THIS PARTITION SHALL BE AS DESCRIBED FOR PARTITION TYPE "B".	
B	INTERIOR PARTITION TYPE

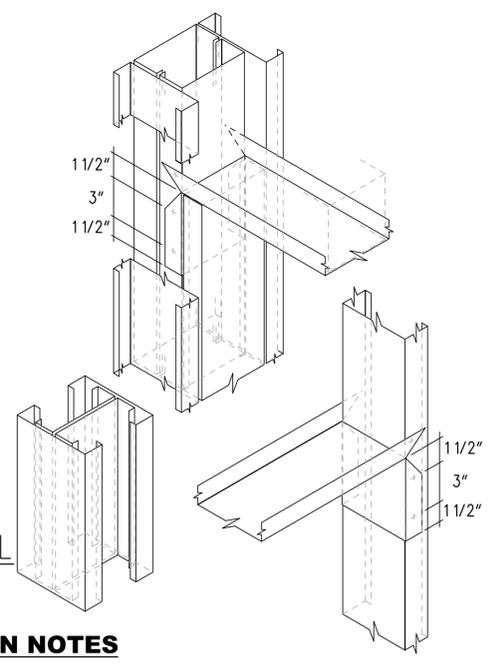
GENERAL FIRE RATING NOTES

- WHERE PARTITION TYPES HAVE A UL LISTING ALL COMPONENTS OF THAT PARTITION SHALL CARRY THE UL SEAL OR BE DOCUMENTED AS UL APPROVED FOR USE IN RATED PARTITIONS. ALL ASPECTS OF THE ASSEMBLY WHETHER SPECIFICALLY CALLED OUT IN THESE DETAILS OR NOT SHALL COMPLY WITH THE SPECIFIED UL LISTING FOR THAT ASSEMBLY. OTHER LISTED ASSEMBLIES MAY BE EMPLOYED WITH WRITTEN NOTIFICATION OF THE DESIRED ALTERNATE ASSEMBLY AND THE ARCHITECT'S APPROVAL.
- ALL STUDS IN FIRE RATED ASSEMBLIES SHALL MEET THE UL LISTING REQUIREMENTS FOR MINIMUM STUD GAUGE (OR BASE METAL THICKNESS), AND FLANGE AND RETURN DIMENSIONS. MINIMUM FASTENER SIZES AND SPACINGS SHALL COMPLY WITH UL LISTING AS WELL AS STRUCTURAL ARRANGEMENT REQUIREMENTS. GYPSUM BOARD SHALL BE INSTALLED WITH ORIENTATION AND LAPPING MEETING THE REQUIREMENTS OF THE SPECIFIED UL LISTING.
- FOR RATED PARTITIONS THAT INTERSECT FLOORS AND/OR ROOFS ABOVE AND BELOW THE PARTITION SHALL BE INSTALLED PER THE DETAILS FOR RATED WALL HEAD AND BASE DETAILS ON THE FOLLOWING SHEETS. PARTITIONS INTERSECTING FLOORS AND/OR ROOF NOT REQUIRED TO BE RATED MAY USE THE NON-RATED PARTITION HEAD AND BASE DETAILS.

LEGEND

- MW MINERAL WOOL INSULATION
- UFB UNFACED BATT INSULATION
- GA GAUGE

PARTITION ASSEMBLY DETAIL
SCALE: N.T.S.



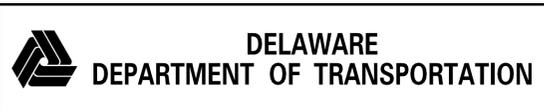
GENERAL INTERIOR PARTITION NOTES

- SEE SHEETS A-903 AND A-904 FOR DETAILS TYPICAL OF ALL PARTITION TYPES INCLUDING HEAD AND BASE OF WALL AND CONTROL JOINTS.
- PARTITION TYPES SHOWN ARE DESIGNED TO MEET MINIMUM 5 PSF LATERAL LOADING PER THE INTERNATIONAL BUILDING CODE. NO VARIATION FROM THE ARRANGEMENT OR SIZES OF COMPONENTS FROM THOSE SHOWN SHALL BE PERMITTED WITHOUT PRIOR WRITTEN ACCEPTANCE OF THE CHANGE BY THE STRUCTURAL ENGINEER.
- INTERIOR METAL STUD FRAMING SHALL EXTEND FROM FLOOR TO UNDERSIDE OF ROOF DECK ABOVE. UNLESS SPECIFICALLY NOTED ON THE DRAWINGS OR BY SPECIFIC WALL TYPE, STUDS SHALL NOT BE CUT OFF JUST ABOVE THE CEILING.
- PARTITION TYPES SHOWN MAY BE REFERENCED BY BULKHEAD DETAILS. IN SUCH CASES, THE STRUCTURAL ARRANGEMENT SHOWN ON THESE PARTITION TYPES SHALL APPLY TO THE CONSTRUCTION OF THE BULKHEADS.
- ALL PARTITIONS OR SIDES OF PARTITIONS FACING A "WET" AREA, INCLUDING SHOWERS, SINKS, AND TOILETS SHALL HAVE MOISTURE RESISTANT GYPSUM BOARD IN COMPLIANCE WITH THE SPECIFICATIONS. PARTITIONS TO RECEIVE TILE SHALL HAVE BACKER BOARD IN COMPLIANCE WITH THE SPECIFICATIONS. PARTITIONS TO RECEIVE OTHER BOARD MATERIALS SUCH AS ABUSE RESISTANT BOARD MAY BE NOTED ON FLOOR PLANS OR DETAILS.

COLD-FORMED INTERIOR FRAMING NOTES

- FOR ALL METAL STUD PARTITION TYPES GYPSUM BOARD SHALL BE PLACED WITH THE LONGER SIDE HORIZONTAL TO PROVIDE MAXIMUM LATERAL BRACING FOR THE FRAMING.
- DESIGN HAS BEEN PERFORMED IN ACCORDANCE WITH THE 2007 AMERICAN IRON AND STEEL INSTITUTE (AISI), SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS.
- ALTERNATE TYPES OF FASTENERS MAY BE USED FOR F2 AND F3 IN THE INTERIOR PARTITION TYPE TABLES. APPROVED FASTENERS SHALL HAVE A MINIMUM 1 INCH EMBEDMENT, SHEAR STRENGTH OF 225 LBS PER FASTENER, AND A TENSILE STRENGTH OF 170 LBS PER FASTENER. THE FASTENER SHOULD BE RATED FOR APPLICATIONS IN CONCRETE AND STEEL.
- FASTENERS SHALL BE INSTALLED FOLLOWING THE MANUFACTURERS INSTALLATION PROCEDURE.
- FABRICATION AND CONSTRUCTION OF COLD FORMED STEEL FRAMING SHALL CONFORM TO THE AISI, SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS.
- ALL STUDS AND JOIST MEMBERS 54 MILS AND THICKER SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI. ALL STUDS AND JOISTS MEMBERS 43 MILS OR THINNER SHALL HAVE A MINIMUM YIELD STRENGTH OF 33 KSI.
- WHEN COLD FORMED STEEL STUDS ARE TO BE USED FOR TRUSS, MANSARD OR HEADER APPLICATIONS, STUDS SHALL BE UNPUNCHED THROUGH THE STUD WEB. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SPECIFY UNPUNCHED STUDS WHEN ORDERING MATERIALS.
- ALL SUPPORT CLIPS, SLIDE CLIPS, AND CLIP ANGLES SHALL BE 50 KSI.
- IF ADDITIONAL HOLES ARE REQUIRED IN THE METAL STUDS OR JOISTS, CONTACT A LICENSE PROFESSIONAL ENGINEER FOR GUIDANCE BEFORE CUTTING HOLES.
- WHERE SPLICING OF WALL TRACK IS NECESSARY BETWEEN STUD SPACING. A PIECE OF STUD SHALL BE PLACED IN THE ADJOINING TRACK SECTIONS AND FASTENED TO THE TRACK FLANGES AT BOTH SIDES OF THE PARTITION.
- ALL BRIDGING, BRACING, BLOCKING AND REINFORCING SHALL BE IN PLACE PRIOR TO INSTALLATION OF SHEATHING OR FACING MATERIAL.

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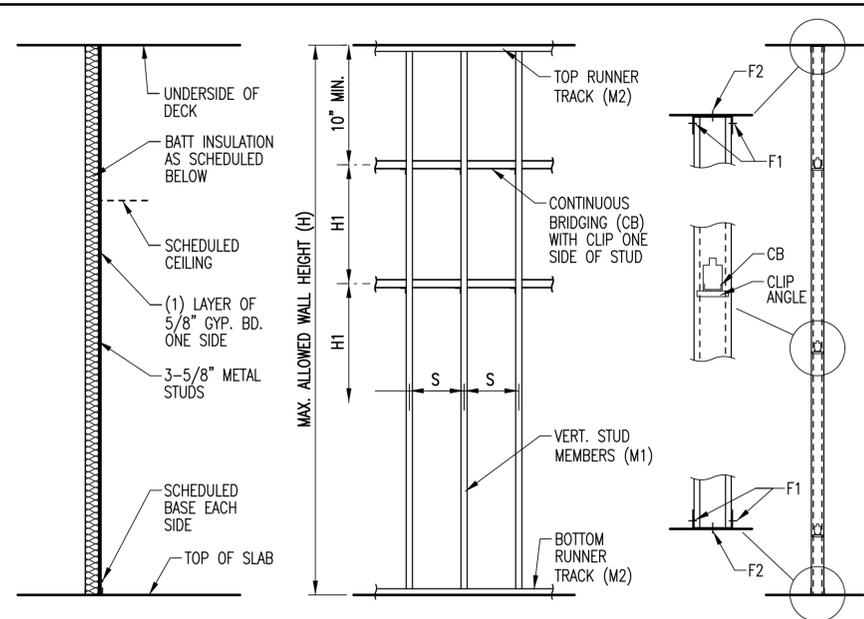
ADDENDUMS / REVISIONS	

DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY

CONTRACT	BRIDGE NO.
T200612502	
COUNTY	DESIGNED BY: NCL
SUSSEX	CHECKED BY: EBL

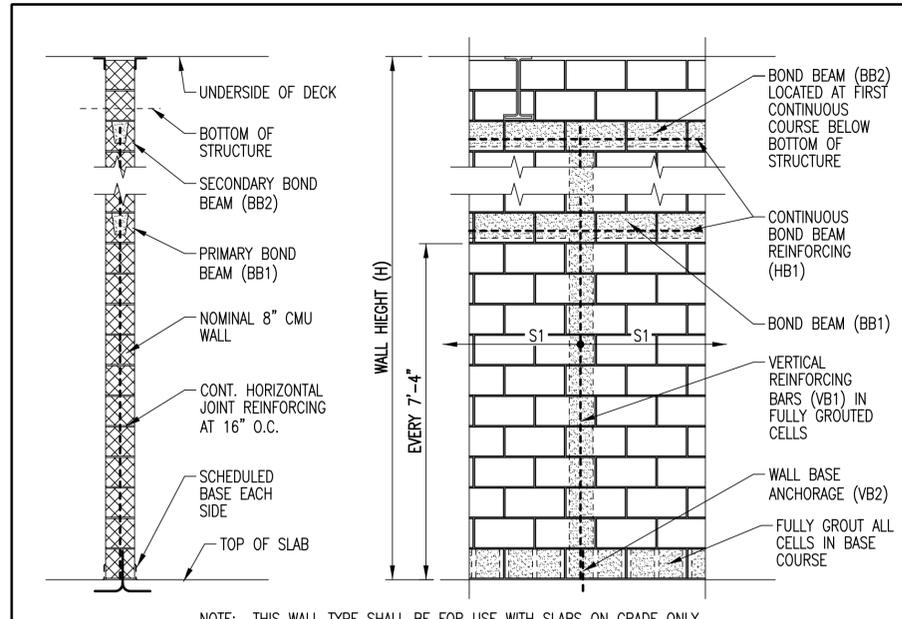
PARTITION TYPES	SHEET NO.
	114
	TOTAL SHTS.
	185

A-901



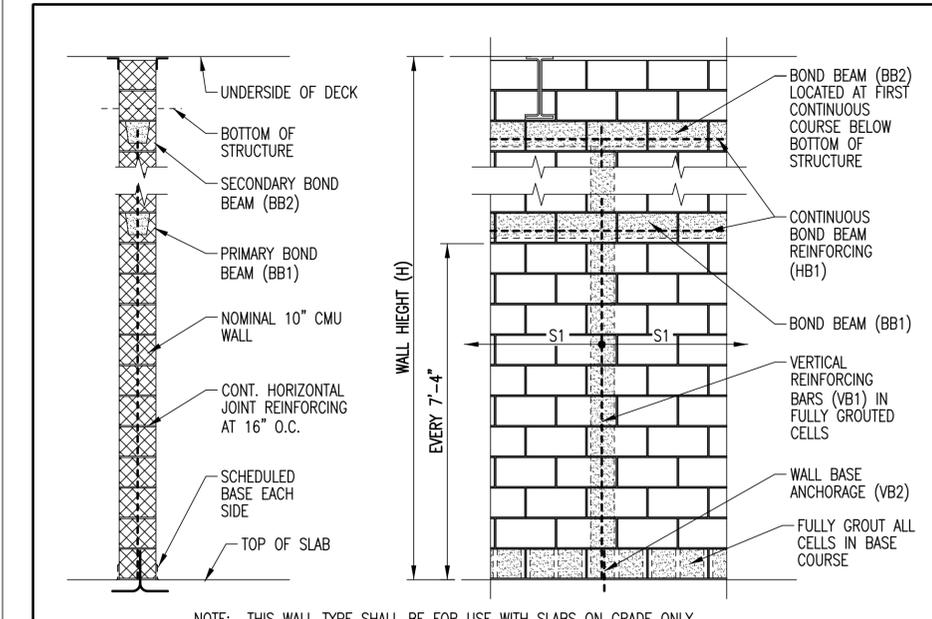
TYPE MARK	PARTITION PROPERTIES				
	INSULATION	FIRE-RATING	UL NUMBER	STC RATING	COMMENTS
OC.1	NONE	NOT RATED	N/A	N/A	
OC.2	3.5" UFB	NOT RATED	N/A	N/A	

STRUCTURAL ARRANGEMENT								
H	H1	S	M1	M2	F1	F2	F3	CB
18'-6"	48"	16"	362S162-43	362T125-43	(1) #8 SELF TAPPING SCREW EACH FLANGE	X-U UNIVERSAL FASTENER X D.157 DIA. W/ 1" EMBED @ 12" O.C. STAGGERED	X-U UNIVERSAL FASTENER X D.157 DIA. W/ 1" EMBED @ 12" O.C. STAGGERED	CHANNEL: 150U50-54 CLIP: 3 1/8" CLIP - SAME GAUGE AS CHANNEL
C INTERIOR PARTITION TYPE								



TYPE MARK	PARTITION PROPERTIES				
	FIRE-RATING	UL NUMBER	STC RATING	FILLED CELLS	COMMENTS
OD.1	NOT RATED	N/A	N/A	N/A	

STRUCTURAL ARRANGEMENT								
H	VB1	S1	BB1	BB2	HB1	VB2	VB1/VB2 LAP LENGTH	-
20'-0"	(1)#4	48" O.C.	REQD	REQD	(2)#3	#4	18"	
D INTERIOR PARTITION TYPE								



TYPE MARK	PARTITION PROPERTIES				
	FIRE-RATING	UL NUMBER	STC RATING	FILLED CELLS	COMMENTS
OE.1	NOT RATED	N/A	N/A	N/A	
OE.2	NOT RATED	N/A	N/A	N/A	

STRUCTURAL ARRANGEMENT								
H	VB1	S1	BB1	BB2	HB1	VB2	VB1/VB2 LAP LENGTH	-
21'-4"	(1)#4	48" O.C.	REQD	REQD	(2)#4	#4	18"	
E INTERIOR PARTITION TYPE								

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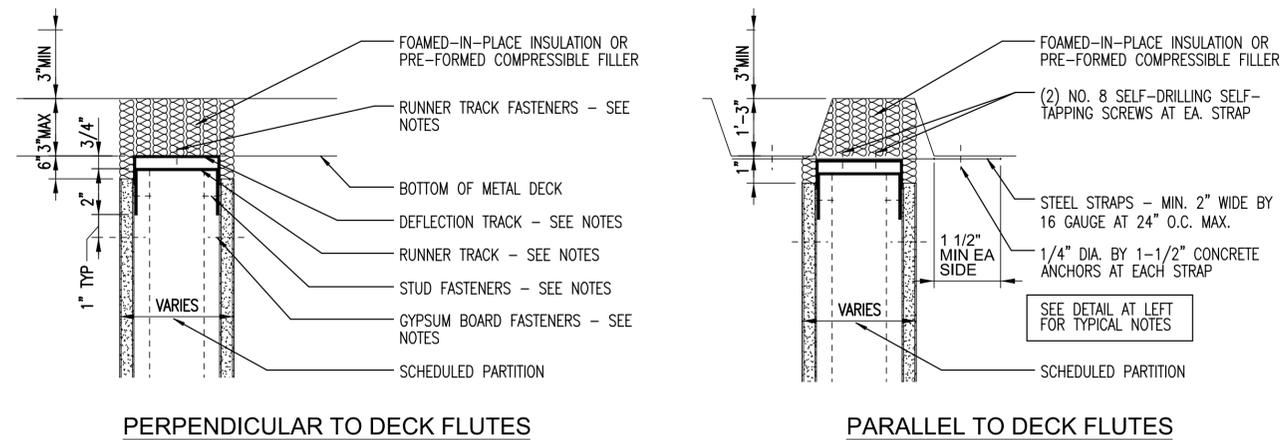
ADDENDUMS / REVISIONS	

DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY

CONTRACT	BRIDGE NO.
T200612502	
COUNTY	DESIGNED BY: NCL
SUSSEX	CHECKED BY: EBL

PARTITION TYPES	SHEET NO.
	115
	TOTAL SHTS.
	185

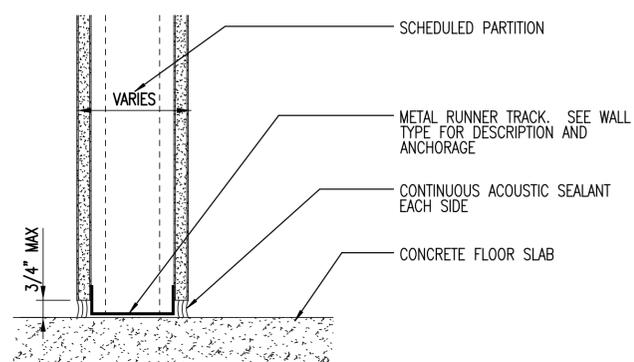
INTERIOR PARTITION TYPICAL DETAILS (NON-RATED CONSTRUCTION)



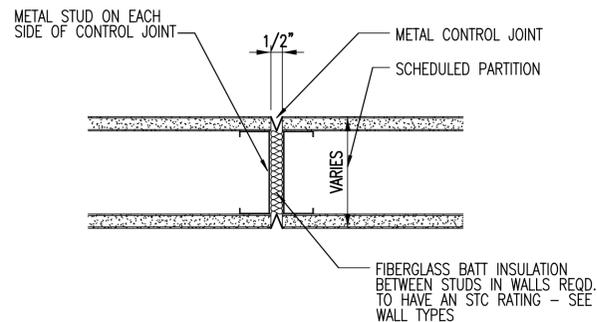
PERPENDICULAR TO DECK FLUTES

PARALLEL TO DECK FLUTES

1 TYPICAL METAL STUD AND GYPSUM WALL HEAD CONDITIONS



2 TYPICAL METAL STUD AND GYPSUM WALL BASE CONDITIONS



3 TYPICAL METAL STUD AND GYPSUM WALL CONTROL JOINT

INTERIOR PARTITION TYPICAL DETAIL NOTES

GENERAL NOTES:

REFER TO FLOOR PLANS OR ENLARGED PLANS FOR LOCATIONS OF EACH PARTITION TYPE. PARTITION TYPE DETAILS ARE LOCATED ON SHEETS A-901 AND A-902.

TYPICAL CLEARANCE BETWEEN TOP OF STUDS AND FLANGE OF RUNNER TRACK SHALL BE 1/2" MINIMUM AND 3/4" MAXIMUM.

GYPSUM BOARD SHALL TYPICALLY BE FASTENED TO STUDS AT 1" BELOW THE BOTTOM OF THE TOP RUNNER TRACK. GYPSUM BOARD SHALL NOT BE ATTACHED TO THE TOP RUNNER TRACK. SEE WALL TYPES FOR ALL OTHER GYPSUM-TO-STUD ATTACHMENT REQUIREMENTS.

ALL DETAILS ON THIS SHEET ARE SHOWN WITHOUT BATT INSULATION BETWEEN STUDS FOR CLARITY. SEE WALL TYPES FOR WALLS THAT REQUIRE INSULATION.

DEFLECTION TRACKS - PROVIDE DEFLECTION TRACKS SPECIFICALLY DESIGNED TO FIT SNUGLY AROUND RUNNER TRACK AT WALL HEAD. ATTACH DEFLECTION TRACK TO FLOOR OR ROOF ASSEMBLY AS INDICATED FOR SCHEDULED WALL TYPE.

THE CONTRACT DOCUMENTS INDICATE THE USE OF NESTING DEFLECTION TRACKS FOR WALL HEADS. OTHER PRODUCTS TO ALLOW FOR DEFLECTION OF THE FLOOR OR STRUCTURE ABOVE EXIST AND MAY BE USED PROVIDING THEY DO NOT COMPROMISE THE LATERAL LOADING CAPACITY OR ASSEMBLY RATINGS REQUIRED. RUNNER TRACKS WITH CRIMPED VERTICAL LEGS SHALL NOT BE ACCEPTED.

STUD FASTENERS - FASTEN STUDS TO RUNNERS USING FASTENER SIZE AND SPACING INDICATED FOR SCHEDULED WALL TYPE.

FIRE-RATED ASSEMBLY NOTES:

ALL MATERIALS USED IN FIRE-RATED ASSEMBLIES SHALL BE UL LISTED AND BEAR UL SEALS ACCORDING TO UL REGULATIONS.

DETAILS SHOWN ARE REPRESENTATIVE OF THE UL LISTING PROVIDED WITH THE DETAIL. THE DETAILS PROVIDED DO NOT INCLUDE ALL INFORMATION INCLUDED IN THE UL DIRECTORY LISTINGS. FINISHED ASSEMBLIES SHALL COMPLY WITH ALL REQUIREMENTS OF THE LISTED UL ASSEMBLY AND/OR WITH THE AUTHORITY HAVING JURISDICTION.

UL ASSEMBLIES LISTED AND REPRESENTED IN THESE DOCUMENTS INDICATE AN ACCEPTABLE METHOD FOR PROVIDING THE NECESSARY FIRE-RESISTIVE CONSTRUCTION. OTHER ASSEMBLIES MAY EXIST THAT PROVIDE THE SAME RATING AND SHALL BE ACCEPTABLE. CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO THE ARCHITECT OF ANY SUBSTITUTED ASSEMBLIES USED.

UL ASSEMBLIES LISTED AND REPRESENTED MAY INDICATE SPECIFIC MANUFACTURER'S PRODUCTS. ALTERNATE ASSEMBLIES THAT INDICATE SPECIFIC PRODUCTS BY OTHER MANUFACTURER'S SHALL BE ACCEPTABLE TO THE EXTENT THAT OTHER REQUIREMENTS FOR SUBSTITUTION OF ASSEMBLIES ARE MET.

DETAILS ON THIS SHEET REPRESENT INTERSECTIONS OF FIRE-RATED WALLS AND FIRE-RATED FLOORS. WALLS AND FLOORS SHALL ALSO BE CONSTRUCTED IN ACCORDANCE WITH UL LISTINGS. SEE WALL TYPES FOR SPECIFIC RATED WALL LISTINGS.

DETAILS FOR WALL HEADS ON THIS SHEET TYPICALLY INDICATE A FLOOR STRUCTURE ABOVE. THE UL LISTINGS WITH THESE DETAILS SHALL BE ACCEPTABLE FOR RATED WALLS EXTENDING TO UNDERSIDE OF ROOF DECKS AS WELL WITH THE FOLLOWING REQUIREMENTS:
 -STEEL ROOF DECKING SHALL BE NO MORE THAN 3" DEEP.
 -CONCRETE ON METAL DECK SHALL BE AT LEAST 3" THICK.
 -WHERE RIGID INSULATION IS INDICATED WITHOUT CONCRETE, THE ROOF ASSEMBLY SHALL BE UL LISTED WITH A FIRE RATING EQUAL TO OR GREATER THAN THE WALL BELOW.

FOR 1-HOUR RATED WALLS PERPENDICULAR TO THE STEEL DECK FLUTES CONDUITS SHALL BE PERMITTED TO PASS THROUGH THE SEAL ABOVE THE STUDS AND PARALLEL TO THE FLUTES WITH THE FOLLOWING CONDITIONS:

- THE CONDUIT SHALL BE RIGID STEEL, EMT, OR SCHEDULE 40 PVC.
- THE CONDUIT SHALL BE NOMINAL 3/8" OR 1/2" DIAMETER.
- THE CONDUITS SHALL HAVE CLEARANCE ON ALL SIDES BETWEEN 1/2" AND 1-1/2".
- ONLY ONE CONDUIT MAY PASS THROUGH SEALANT IN A SINGLE FLUTE.
- SEALANT APPLIED OVER MINERAL WOOL AND DECK SHALL BE APPLIED TO CONDUIT FOR A MINIMUM DISTANCE OF 1/2" ON EITHER SIDE OF WALL.

INTERIOR CMU PARTITION TYPICAL DETAIL NOTES

GENERAL NOTES:

DETAILS SHOWN ON THIS SHEET FOR CMU WALL HEADS, BASES, AND PENETRATIONS SHALL ALSO BE APPLICABLE FOR INTERIOR CAST-IN-PLACE CONCRETE PARTITIONS NOT SPECIFICALLY DETAILED ON OTHER DRAWING SHEETS.

OTHER DRAWING SHEETS MAY INCLUDE CONCRETE AND/OR MASONRY CONSTRUCTION DETAILS DIFFERING FROM THE TYPICALS INDICATED HERE AND SHOULD ONLY BE USED WHERE INDICATED.

CONCRETE OR MASONRY WALLS NOT EXTENDING TO FLOORS OR ROOFS ABOVE ARE SPECIFICALLY DETAILED ON OTHER DRAWINGS.

REFER TO FLOOR PLANS OR ENLARGED PLANS FOR LOCATIONS OF EACH PARTITION TYPE. CMU PARTITION TYPES ARE LOCATED ON SHEET A9.3.

INTERIOR MASONRY PARTITIONS SHALL BE ANCHORED AT THE FLOOR AS INDICATED IN THE DETAILS AND BRACED AT THE FLOOR OR ROOF ABOVE AS INDICATED IN THE DETAILS. OTHER MEANS OF ANCHORING OR BRACING THE WALLS ARE NOT PERMITTED WITHOUT PRIOR APPROVAL.

LIGHT GAUGE ANGLES SHOWN IN THESE DETAILS SHALL COMPLY WITH THE "LIGHT GAUGE GUAGE STEEL NOTES" FOUND ON THE STRUCTURAL DRAWINGS.

FIRE-RATED ASSEMBLY NOTES:

ALL MATERIALS USED IN FIRE-RATED ASSEMBLIES SHALL BE UL LISTED AND BEAR UL SEALS ACCORDING TO UL REGULATIONS.

DETAILS SHOWN ARE REPRESENTATIVE OF THE UL LISTING PROVIDED WITH THE DETAIL. THE DETAILS PROVIDED DO NOT INCLUDE ALL INFORMATION INCLUDED IN THE UL DIRECTORY LISTINGS. FINISHED ASSEMBLIES SHALL COMPLY WITH ALL REQUIREMENTS OF THE LISTED UL ASSEMBLY AND/OR WITH THE AUTHORITY HAVING JURISDICTION.

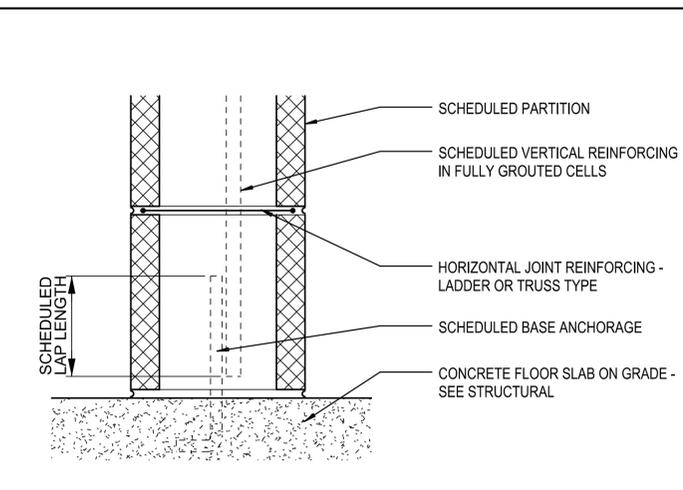
UL ASSEMBLIES LISTED AND REPRESENTED IN THESE DOCUMENTS INDICATE AN ACCEPTABLE METHOD FOR PROVIDING THE NECESSARY FIRE-RESISTIVE CONSTRUCTION. OTHER ASSEMBLIES MAY EXIST THAT PROVIDE THE SAME RATING AND SHALL BE ACCEPTABLE. CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO THE ARCHITECT OF ANY SUBSTITUTED ASSEMBLIES USED.

UL ASSEMBLIES LISTED AND REPRESENTED MAY INDICATE SPECIFIC MANUFACTURER'S PRODUCTS. ALTERNATE ASSEMBLIES THAT INDICATE SPECIFIC PRODUCTS BY OTHER MANUFACTURER'S SHALL BE ACCEPTABLE TO THE EXTENT THAT OTHER REQUIREMENTS FOR SUBSTITUTION OF ASSEMBLIES ARE MET.

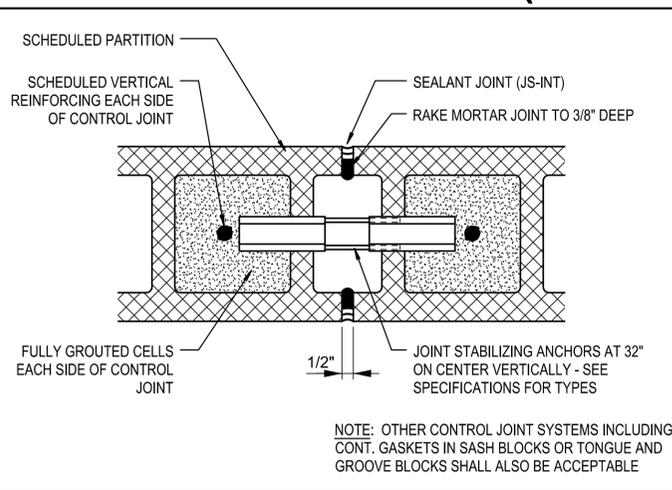
DETAILS ON THIS SHEET REPRESENT INTERSECTIONS OF FIRE-RATED WALLS AND FIRE-RATED FLOORS OR ROOFS. WALLS AND FLOORS SHALL ALSO BE CONSTRUCTED IN ACCORDANCE WITH UL LISTINGS. SEE WALL TYPES FOR SPECIFIC RATED WALL LISTINGS.

DETAILS FOR WALL HEADS ON THIS SHEET

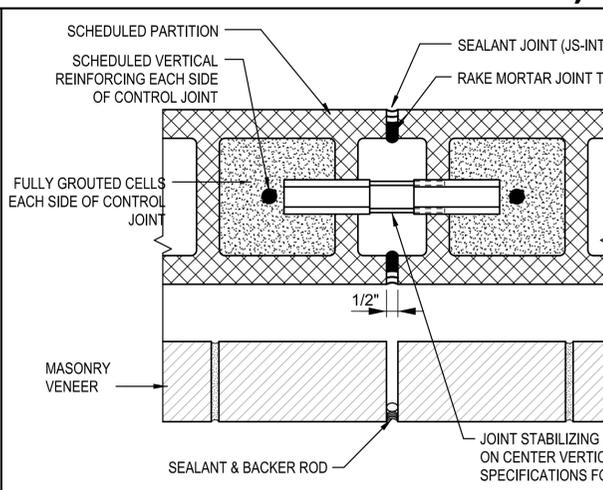
INTERIOR CMU PARTITION TYPICAL DETAIL (RATED AND NON-RATED CONSTRUCTION)



4 INTERIOR CONCRETE MASONRY PARTITION BASE AT SLABS ON GRADE



5 TYPICAL INTERIOR CONCRETE MASONRY PARTITION CONTROL JOINT



6 TYPICAL CONTROL JOINT DETAIL IN CAVITY WALL

NOTES:

1. OTHER CONTROL JOINT SYSTEMS INCLUDING CONT. GASKETS IN SASH BLOCKS OR TONGUE AND GROOVE BLOCKS SHALL ALSO BE ACCEPTABLE.
2. FOR LOCATIONS OF CONTROL JOINTS IN ENGINEERED WALLS, SEE STRUCTURAL DRAWINGS. ALL HORIZONTAL JOINT REINFORCEMENT SHOULD BE CUT AT EXPANSION AND CONTROL JOINT.

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EQUIPMENT SCHEDULE

Mark #	Description	Spec Section	Remarks
CC308	Washer, parts, automatic, front loading	111100	
CW101	Washer, hi-pressure/ hot water, NG, 7.8 GPM, 3000 PSI	111100	
LC113	Press, oil filter	111100	
SH213	Buffer/grinder, 10", w/dust collector	111100	
SH237	Drill press, 20 inch, variable speed	111100	
SH255	Press, 50 ton, electric/hydraulic	111100	
TS201	Mounter/ demounter, tire, auto	111100	
TS205	Mounter/ demounter, truck tire	111100	
TS303	Wheel Balancer, Electronic, Fixed	111100	
LC251	Drop, utility, trapeze, with data	119010	
ST100	Rack, body panel, large	119010	
ST101	Rack, body panel, small	119010	
ST115	Rack, body glass	119010	
ST350	Workbench, heavy duty	119010	
VL806	Lift, vehicle, 4 post, mobile column, wireless	144500	
VL850	Lift, axle, scissor, 2 carriage, 60,000 lbs.	144500	
BR205	Charger, battery, portable	111100	Not shown on drawings
ES110	Workbench, electronics, anti-static top	111100	
SH101	Vise, combination, swivel base, 6"	111100	
SH221	Crimper, hydraulic hose	NIC	
SH291	Tank, parts cleaning, medium	111100	
SH332	Saw, cut-off, hydraulic hose	NIC	
SH580	Stand, engine/transmission, rolling	111100	Not shown on drawings
SH990	Scrubber, floor, riding	111100	Not shown on drawings
SI171	Dispenser, DEF, drum, portable	111100	Not shown on drawings
ST010	Bin unit, common, 66 opening	111100	
ST035	Cabinet, drawer, 59"	111100	
ST057	Cabinet, flammable materials, large	111100	
ST062	Cabinet, storage, shop	111100	
ST088	Ladder, safety, rolling, 10 step	111100	Not shown on drawings
ST110	Rack, gas cylinder, portable	111100	
ST120	Rack, pallet, w/ deck, 8'	111100	
ST156	Rack, tire, paratransit	111100	
ST165	Shelving unit, 18"	111100	
ST225	Table, layout, steel top	111100	
ST991	Drum, containment	111100	
TS100	Cage, inflation, tire	111100	
TS215	Spreader, tire	111100	
WF030	Screen, welding	111100	Not shown on drawings
WF331	Welder, MIG, w/wire feed	111100	Not shown on drawings
WF400	Extractor, fume, portable	111100	Not shown on drawings

GENERAL NOTES

- A. EQUIPMENT LAYOUTS INDICATE GENERAL LOCATION OF EQUIPMENT. UNLESS SPECIFICALLY DIMENSIONED, EQUIPMENT SHALL BE INSTALLED IN GENERAL LOCATION INDICATED IN A MANNER WHICH AVOIDS CONFLICTS WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL (HVAC M-SERIES), PLUMBING, AND ELECTRICAL FIXTURES.
- B. ALL EQUIPMENT SHOWN ON THESE DRAWINGS ARE BASED ON SPECIFICATIONS. MODIFICATIONS AND/OR SUBSTITUTIONS OF SAID EQUIPMENT IS SUBJECT TO COMPLETE COORDINATION BY CONTRACTOR OF ALL CONNECTIONS, SERVICES, OPENING SIZES, AND ANY OTHER CONSTRUCTION RELATED REQUIREMENTS.
- C. VERIFY AND COORDINATE ALL STRUCTURAL, MECHANICAL (HVAC M-SERIES), ELECTRICAL, PLUMBING, AND HVAC REQUIREMENTS OF EQUIPMENT WITH APPROVED MANUFACTURER PRIOR TO INSTALLATION.
- D. BRACE AND ANCHOR ALL EQUIPMENT, STORAGE, AND SHELVING AS REQUIRED PER MANUFACTURER'S RECOMMENDATIONS OR CODES AND PER SPECIFICATIONS.
- E. DO NOT INSTALL EQUIPMENT WITHOUT APPROVED SHOP DRAWINGS.

EQUIPMENT ABBREVIATIONS

- CW CHASSIS WASH
- SH SHOP EQUIPMENT
- ST STORAGE EQUIPMENT
- TS TIRE SHOP EQUIPMENT
- VL VEHICLE LIFT EQUIPMENT

SCHEDULE NOTES:

1. FOR ITEMS NOTED IN SCHEDULE AS "NOT SHOWN ON DRAWINGS" CONTRACTOR SHALL PROVIDE (1) EACH.
2. A COMPLETE LISTING OF ALL EQUIPMENT TO BE PROVIDED IS INCLUDED IN THE SPECIFICATIONS.

ADDENDUMS / REVISIONS

**DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY**

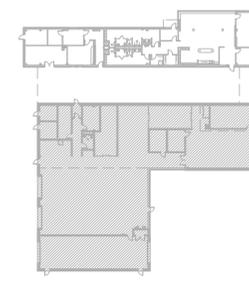
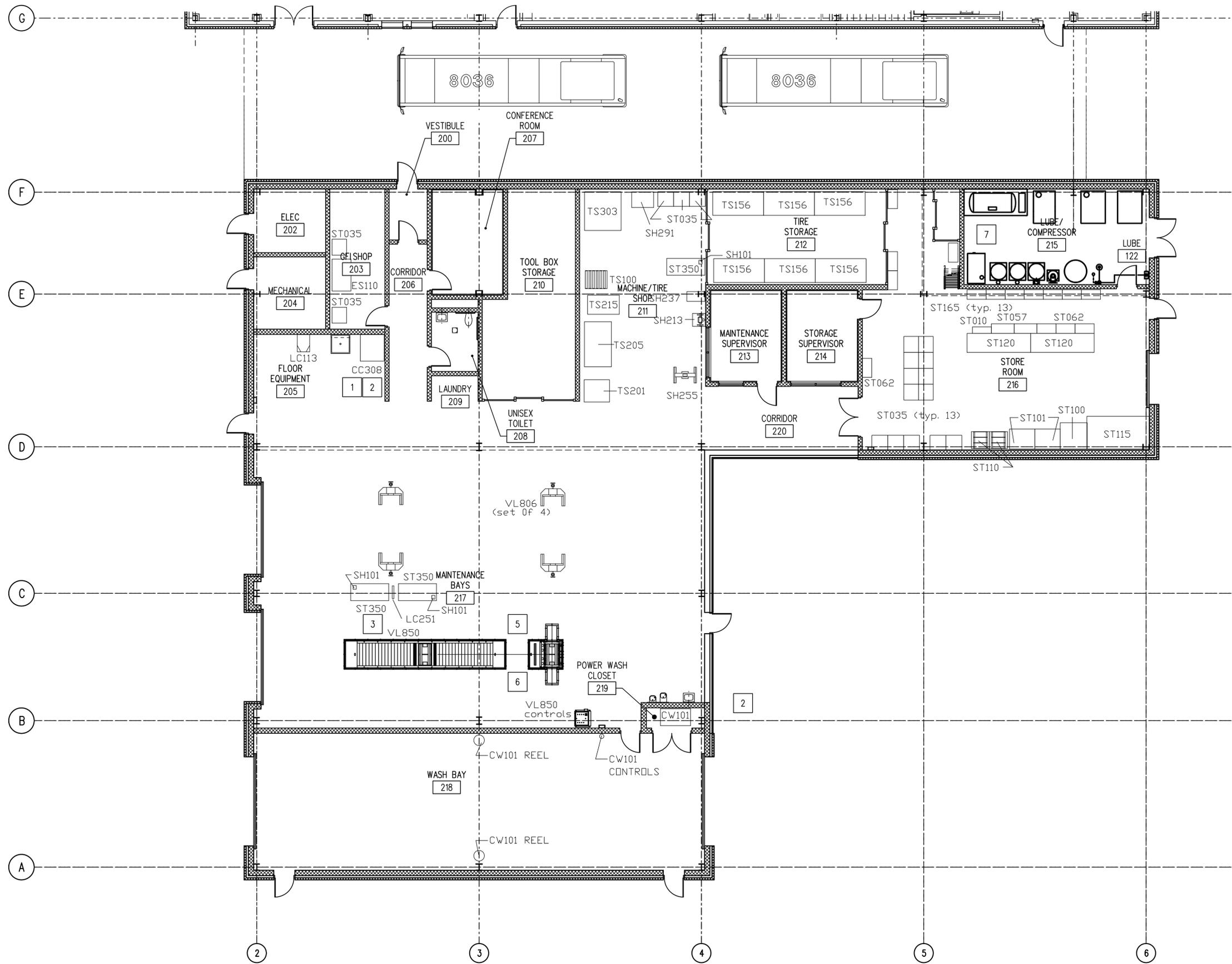
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T200612502	DESIGNED BY: NCL	
COUNTY		
SUSSEX	CHECKED BY: EJ	

**EQUIPMENT
ABBREVIATIONS
AND NOTES**

EI-001
SHEET NO.
117
TOTAL SHTS.
185

CONSTRUCTION NOTES

- 1 SEE MECH AND ARCH FOR EXHAUST STACK DETAILS.
- 2 SEE ARCH FOR HOUSEKEEPING PAD DETAILS.
- 3 SEE STRUCT FOR LC251 MOUNTING DETAILS.
- 4 SEE STRUCT FOR VL850 PIT DETAILS.
- 5 DO NOT FORM VL850 PITS WITHOUT APPROVED SHOP DRAWINGS.
- 6 COORDINATE FINAL PIT DIMENSIONS AND LOCATION WITH OWNER AND APPROVED SHOP DRAWINGS.
- 7 SEE SHEET P-104 FOR ALL EQUIPMENT LOCATED IN LUBE/COMPRESSOR ROOM 215



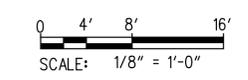
KEY PLAN
SCALE: N.T.S.

1 EQUIPMENT PLAN - SOUTH BUILDING
EI-101 SCALE: 1/8" = 1'-0"

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ADDENDUMS / REVISIONS	

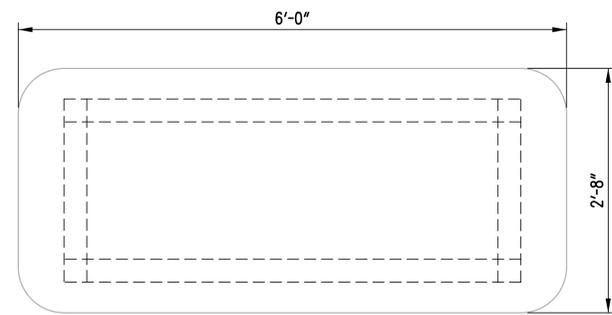


DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY

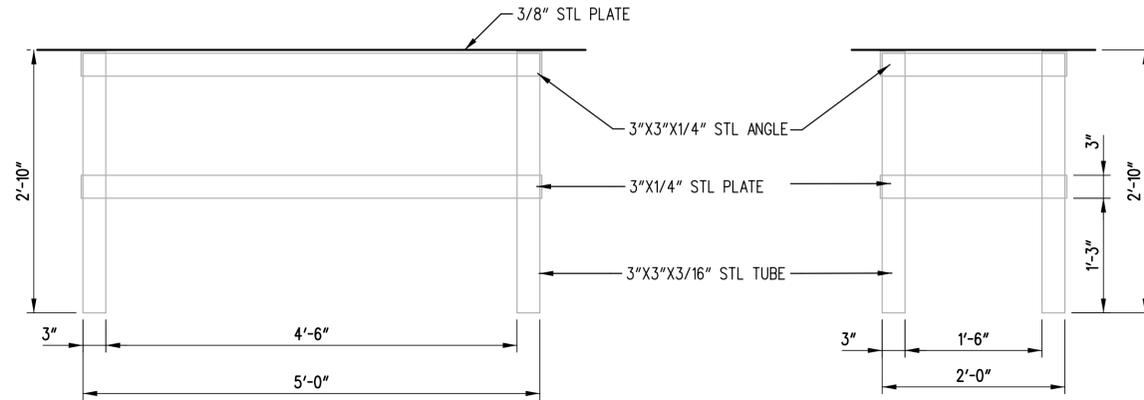
CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: KDM/NCL
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EQUIPMENT PLAN
SOUTH BUILDING

EI-101
SHEET NO. 118
TOTAL SHTS. 185



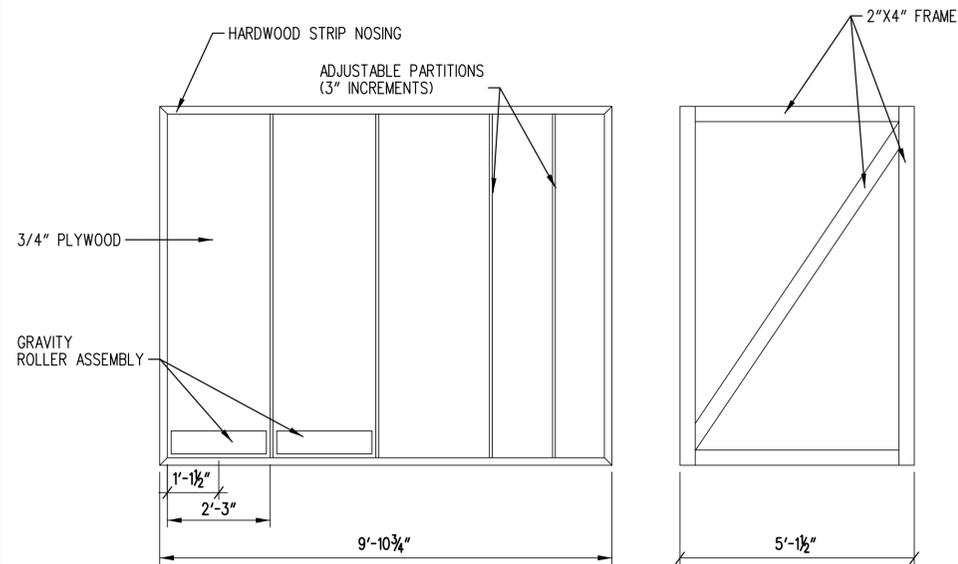
TOP VIEW



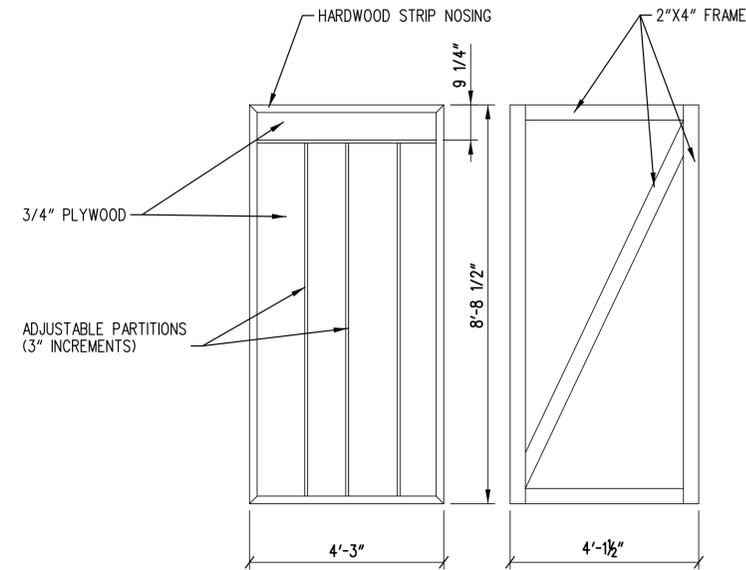
SIDE VIEW

END VIEW

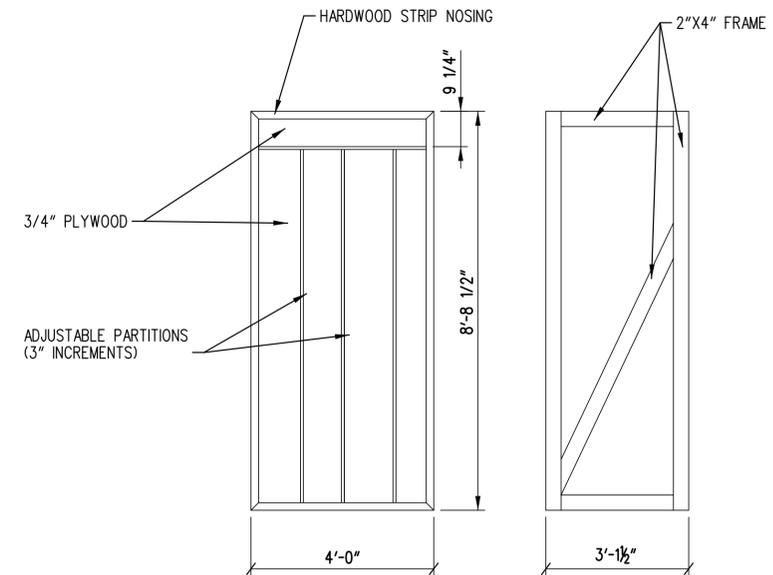
1 DETAIL - ST350
EI-102 SCALE: NTS
REF: EI-101



2 DETAIL - ST115
EI-102 SCALE: NTS
REF: EI-101



3 DETAIL - ST100
EI-102 SCALE: NTS
REF: EI-101



4 DETAIL - ST101
EI-102 SCALE: NTS
REF: EI-101

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COUNTY SUSSEX	DESIGNED BY: KDM/NCL
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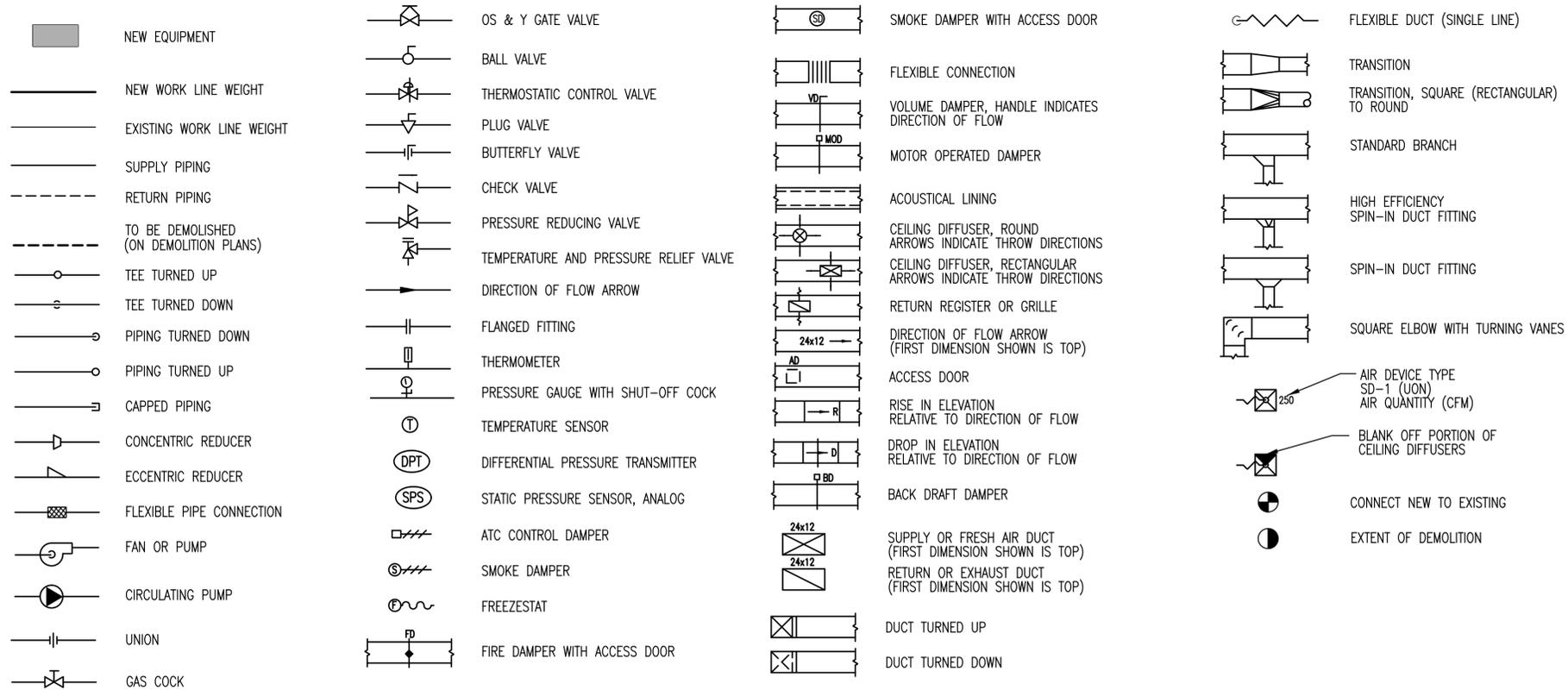
MECHANICAL AND PLUMBING ABBREVIATIONS

@	AT	D	DAMPER	F	FIREPROTECTION	MOD	MOTOR OPERATED DAMPER	SA	SUPPLY AIR
&	AND	D	DEPTH	FD	FLOOR DRAIN	N	NORTH	SD	SUPPLY AIR DIFFUSER
ACU	AIR CONDITIONING UNIT	DB	DRY BULB	FLA	FULL LOAD AMPERES	NC	NOISE CRITERIA	SF	SUPPLY AIR FAN
AD	ACCESS DOOR	dB	DECIBLES	FM	FACTORY MUTUAL	NC	NORMALLY CLOSED	SENS	SENSIBLE COOLING
ADJ	ADJUSTABLE	DDC	DIRECT DIGITAL CONTROLS	FPM	FEET PER MINUTE	NIC	NOT IN CONTRACT	S/M	SHEET METAL
AFF	ABOVE FINISHED FLOOR	DEG F, °F	DEGREE FAHRENHEIT	FS	FLOW SWITCH	NO	NORMALLY OPEN	SP	STATIC PRESSURE
AG	ABOVE GRADE	DIA	DIAMETER	FT	FEET	No	NUMBER	SW	STORM WATER
AHU	AIR HANDLING UNIT	DIP	DUCTILE IRON PIPE	G	NATURAL GAS	NOx	NITROUS OXIDE	TG	TRANSFER GRILLE
ATC	AUTOMATIC TEMPERATURE CONTROL	DN	DOWN	GAL	GALLONS	NTS	NOT TO SCALE	TEMP	TEMPERATURE
AP	ACCESS PANEL	DWG	DRAWING	GPM	GALLONS PER MINUTE	OA	OUTSIDE AIR	TOD	TOP OF DUCT
APD	AIR PRESSURE DROP	DWH	DOMESTIC WATER HEATER	H	HUMIDIFIER	OED	OPEN ENDED DUCT	TSP	TOTAL STATIC PRESSURE
B	BOILER	DX	DIRECT EXPANSION	HB	HOSE BIBB	OS&Y	OUTSIDE SCREW & YOKE	TYP	TYPICAL
BDD	BACK DRAFT DAMPER	DWBP	DOMESTIC WATER BOOSTER PUMP	HC	HEATING COIL	P	PUMP	UH	UNIT HEATER
BOD	BOTTOM OF DUCT	EAT, LAT	ENTERING/LEAVING AIR TEMPERATURE	HP	HORSEPOWER	PC	PUMPED CONDENSATE	UG	UNDERGROUND
BTUH	BRITISH THERMAL UNIT PER HOUR	EDH	ELECTRIC DUCT HEATER	HWR, HWS	HEATING WATER RETURN, SUPPLY	PD	PRESSURE DROP	UON	UNLESS OTHERWISE NOTED
CAP	CAPACITY	EF	EXHAUST FAN	HW	HOT WATER, POTABLE	PH	PHASE	V	VENT
CAV	CONSTANT AIR VOLUME	EFF	EFFICIENCY	HWC	HOT WATER CIRCULATING, POTABLE	PRV	PRESSURE REDUCING VALVE	VEL	VELOCITY
CD	CONDENSATE DRAIN	EG	EXHAUST GRILLE	HZ	HERTZ	PS	PRESSURE SWITCH	VR3	STAGE 3 VAPOR RECOVERY
CFH	CUBIC FEET PER HOUR	EL	ELEVATION	IN	INCH	PSI	POUNDS PER SQUARE INCH	VTR	VENT THROUGH ROOF
CFM	CUBIC FEET PER MINUTE	ER	EXHAUST REGISTER	INV	INVERT	PSIG	POUNDS PER SQUARE INCH (GAGE)	WB	WET BULB
CLG	CEILING	ESP, TSP	EXTERNAL/TOTAL STATIC PRESSURE	KW	KILOWATT	RA	RETURN AIR	W.C.	WATER COLUMN
CNG	COMPRESSED NATURAL GAS	ETR	EXISTING TO REMAIN	MAX	MAXIMUM	RF	RETURN AIR FAN	WG	WATER GAUGE
CO	CARBON MONOXIDE	EWT, LWT	ENTERING/LEAVING WATER TEMPERATURE	MBH	1,000 BRITISH THERMAL UNITS (BTU) PER HOUR	RAR	RETURN AIR REGISTER	WH	WALL HYDRANT
CO	CLEANOUT	EX, EXIST	EXISTING	MIN	MINIMUM	RPM	REVOLUTIONS PER MINUTE	WPD	WATER PRESSURE DROP
CUH	CABINET UNIT HEATER	EXH	EXHAUST			RX	REMOVE EXISTING	LBS/HR	POUNDS PER HOUR
CW	COLD WATER, POTABLE								

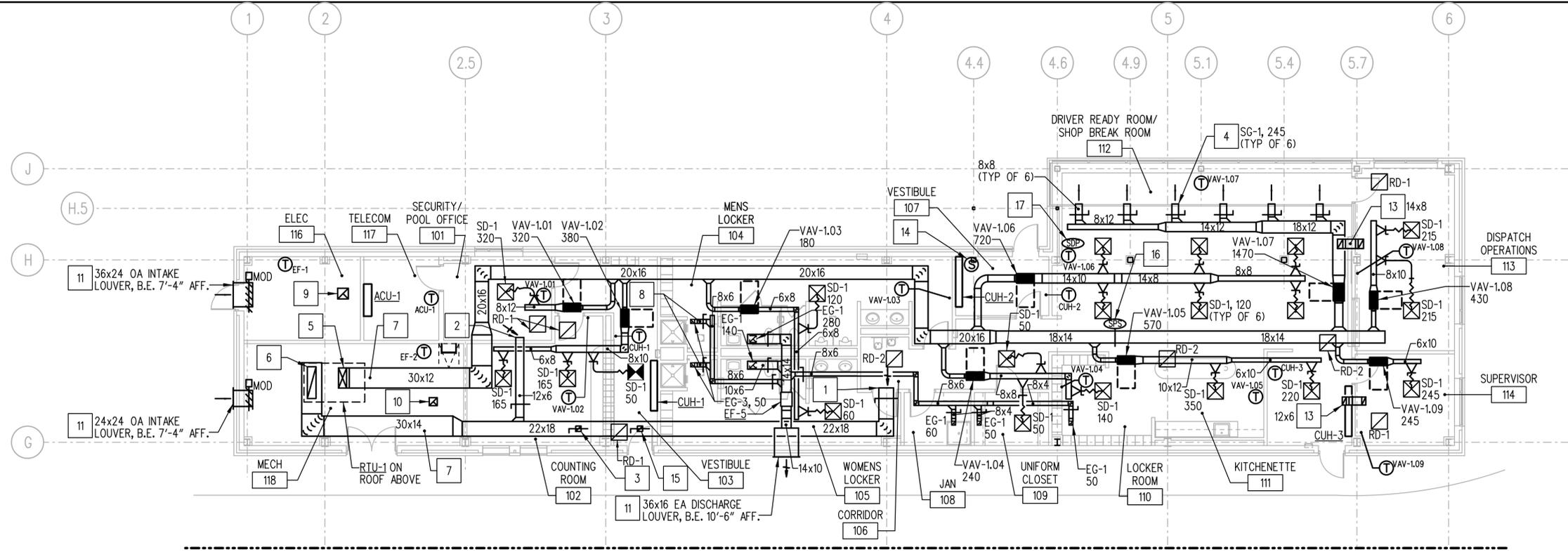
GENERAL NOTES:

- 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.
- 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 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.
- DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE.
- UNLESS OTHERWISE NOTED, PIPING AND DUCTWORK IS OVERHEAD, TIGHT TO UNDERSIDE OF SLAB, WITH SPACE FOR INSULATION IF REQUIRED.
- 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.
- 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.
- DETAILS WITHOUT SPECIFIC REFERENCE TO A LOCATION SHALL BE APPLIED TO THE GENERAL INSTALLATION OF PIPES, DUCTS, ETC.
- DIMENSIONS GIVEN FOR SOUND LINED DUCTWORK ARE INTERNAL CLEAR DIMENSIONS.
- MOUNT TEMPERATURE SENSORS 48" AFF UNLESS NOTED OTHERWISE.
- ROUTE EXPOSED CONTROL WIRING IN THE NORTH BUILDING IN EMT CABLE. OTHERWISE, PROVIDE PLENUM RATED CABLE IN THE NORTH BUILDING. FOR THE SOUTH BUILDING, PROVIDE WIRING IN EMT CABLE FOR ALL SPACES EXCEPT MAINTENANCE BAY 217 AND WASH BAY 218. PROVIDE WIRING IN RIGID CONDUIT IN THESE SPACES.

MECHANICAL AND PLUMBING LEGEND

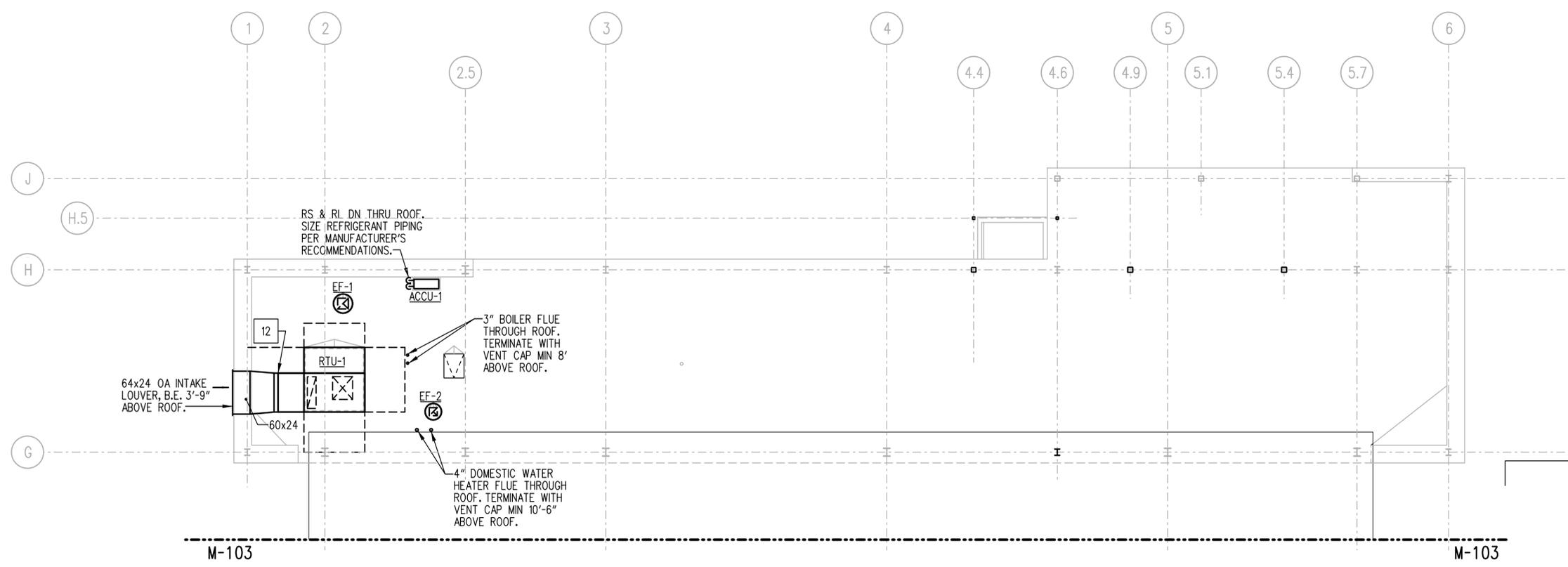


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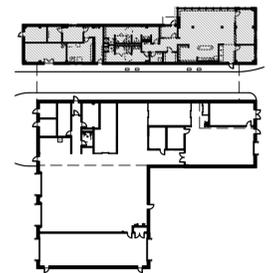


1 FLOOR PLAN - NORTH BUILDING - DUCTWORK
 SCALE: 1/8" = 1'-0"

- CONSTRUCTION NOTES:**
- 1 22x18 OED WITH BIRDSCREEN. BALANCE FOR 2540 CFM.
 - 2 12x6 OED WITH BIRDSCREEN. BALANCE FOR 290 CFM.
 - 3 PROVIDE 10x8 RETURN DUCT CONNECTION TO RETURN AIR MAIN. EXTEND DUCT 6" BELOW MAIN AND TERMINATE OPEN ENDED WITH BIRDSCREEN. BALANCE FOR 300 CFM.
 - 4 BOTTOM ELEVATION AT 11'-0" AFF.
 - 5 12x30 SUPPLY AIR DUCT UP TO RTU-1 ON ROOF.
 - 6 48x14 RETURN AIR DUCT UP TO RTU-1 ON ROOF.
 - 7 BOTTOM ELEVATION AT 10' AFF.
 - 8 PROVIDE 8x4 ALUMINUM DUCT RUNOUT FROM AIR DEVICE TO EXHAUST DUCT MAIN.
 - 9 16x16 EXHAUST AIR DUCT UP TO EF-1 ON ROOF. EXTEND DUCT 6" BELOW STRUCTURE AND TERMINATE OPEN ENDED WITH BIRDSCREEN.
 - 10 12x12 EA EXHAUST AIR DUCT UP TO EF-2 ON ROOF. EXTEND DUCT 6" BELOW STRUCTURE AND TERMINATE OPEN ENDED WITH BIRDSCREEN.
 - 11 PROVIDE 18" DEEP INSULATED SHEETMETAL PLENUM, FULL SIZE OF LOUVER.
 - 12 PROVIDE CONNECTION TO RTU INTAKE OPENING W/FLEXIBLE CONNECTION.
 - 13 PROVIDE TRANSFER DUCT ABOVE CEILING.
 - 14 FIRE DEPARTMENT EMERGENCY SHUTDOWN SWITCH.
 - 15 PROVIDE 6x6 RETURN DUCT CONNECTION TO RETURN AIR MAIN. EXTEND DUCT 6" BELOW MAIN AND TERMINATE OPEN ENDED WITH BIRDSCREEN. BALANCE FOR 50 CFM.
 - 16 STATIC PRESSURE SENSOR, SPS-SA
 - 17 SPACE STATIC PRESSURE SENSOR, SDP-SA



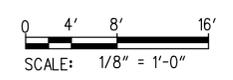
2 ROOF PLAN - NORTH BUILDING - HVAC
 SCALE: 1/8" = 1'-0"



KEY PLAN
 SCALE: N.T.S.

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ADDENDUMS / REVISIONS	



CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: DT
	CHECKED BY: TLP

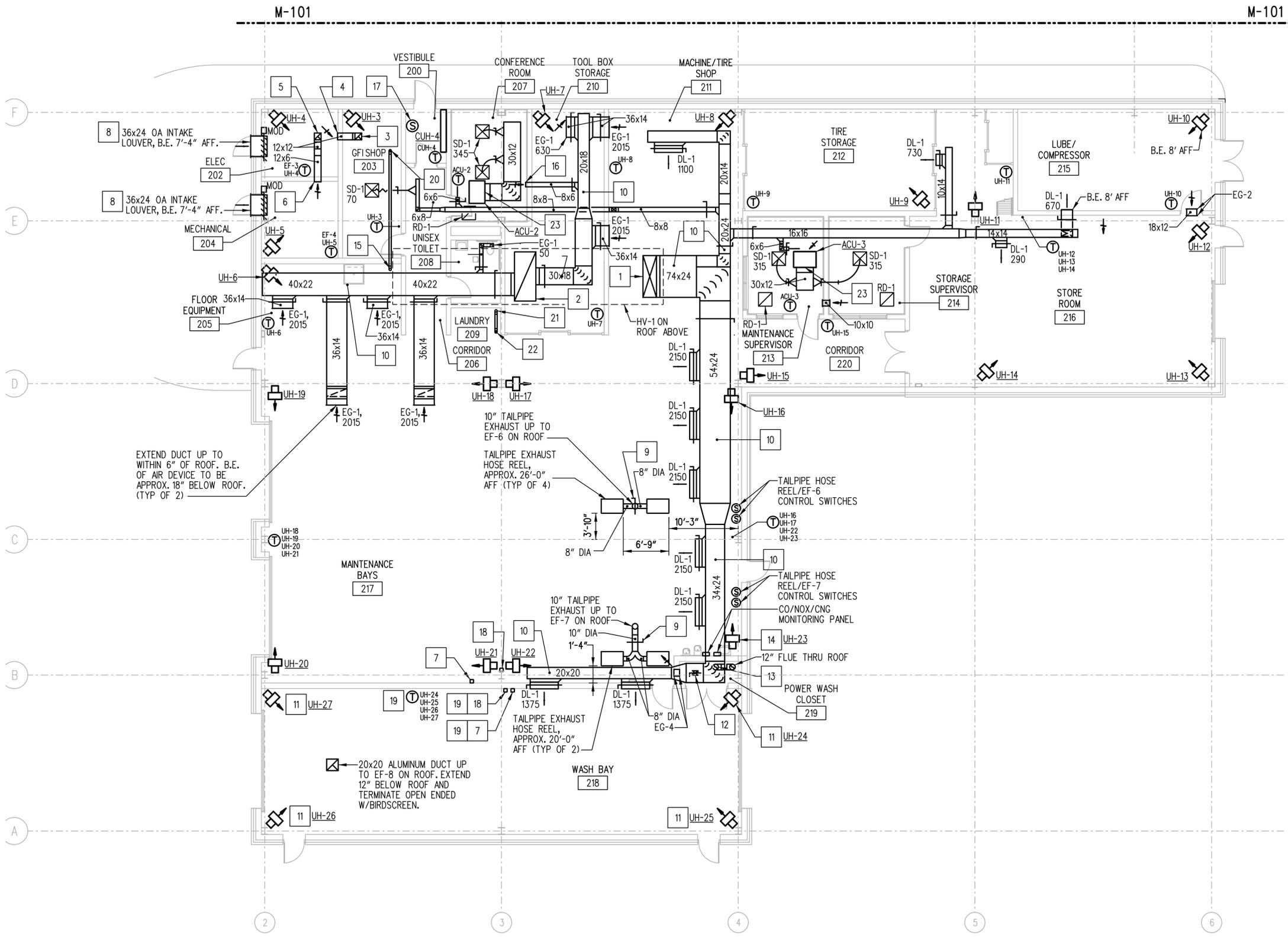
M-101
SHEET NO. 121
TOTAL SHTS. 185

DRAWING NOTES:

1. BOTTOM ELEVATION OF UNIT HEATERS SHALL BE 10' UNLESS OTHERWISE NOTED.

CONSTRUCTION NOTES:

- 1 74x24 SA UP TO HV-1 ON ROOF. TRANSITION TO UNIT DISCHARGE IN VERTICAL AS REQUIRED.
- 2 87x38 EXHAUST UP TO HV-1 ON ROOF.
- 3 12x12 EXHAUST UP TO EF-3 ON ROOF.
- 4 12x12 OPEN ENDED DUCT, APPROXIMATELY 10'-6" AFF. TERMINATE WITH BIRDSCREEN.
- 5 12x12 EXHAUST UP TO EF-4 ON ROOF.
- 6 12x6 OPEN ENDED DUCT, APPROXIMATELY 11' AFF. TERMINATE WITH BIRDSCREEN.
- 7 COMPRESSED NATURAL GAS SENSOR. MOUNT SENSOR WITHIN JOIST SPACE.
- 8 PROVIDE 18" DEEP INSULATED SHEETMETAL PLENUM, FULL SIZE OF LOUVER.
- 9 PROVIDE VOLUME DAMPER TO MAINTAIN 6" W.G. EXTERNAL STATIC PRESSURE FOR ASSOCIATED FAN.
- 10 BOTTOM OF DUCT ELEVATION AT 17'-6" AFF.
- 11 PROVIDE UNIT HEATER WITH CORROSION RESISTANT FINISH.
- 12 10x8 SA DUCT DOWN TO POWER WASHER CLOSET. TERMINATE OPEN ENDED WITH BIRDSCREEN 6" BELOW CEILING. PROVIDE VOLUME DAMPER. BALANCE FOR 500 CFM.
- 13 12" FLUE UP FROM POWER WASHER (CW101). ALL ELBOWS SHALL BE 45 DEGREE ELBOWS.
- 14 BOTTOM ELEVATION AT APPROXIMATELY 12' AFF.
- 15 4" PVC EXHAUST UP FROM PARTS WASHER (CC308). OFFSET AS INDICATED. ALL ELBOWS SHALL BE 45 DEGREE ELBOWS.
- 16 8x6 OPEN ENDED DUCT WITH BIRDSCREEN. BALANCE FOR 135 CFM.
- 17 FIRE DEPARTMENT EMERGENCY SHUTDOWN SWITCH.
- 18 CO & NOX SENSOR. MOUNTING HEIGHT AS RECOMMENDED BY GAS DETECTION SYSTEM MANUFACTURER.
- 19 PROVIDE WATERPROOF ENCLOSURE.
- 20 4" PVC PARTS WASHER EXHAUST UP THRU ROOF. REFER TO DRAWING M-103 FOR CONTINUATION.
- 21 4" DRYER EXHAUST DOWN TO DRYER CONNECTION. OFFSET WITH 45 DEGREE ELBOW.
- 22 4" DRYER EXHAUST UP THRU ROOF. OFFSET WITH 45 DEGREE ELBOW. REFER TO DRAWING M-103 FOR CONTINUATION.
- 23 PROVIDE FLEX CONNECTION AT UNIT DISCHARGE.

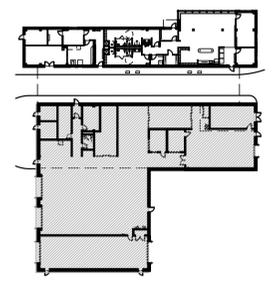


EXTEND DUCT UP TO WITHIN 6" OF ROOF. B.E. OF AIR DEVICE TO BE APPROX. 18" BELOW ROOF. (TYP OF 2)

10" TAILPIPE EXHAUST UP TO EF-6 ON ROOF
TAILPIPE EXHAUST HOSE REEL, APPROX. 26'-0" AFF (TYP OF 4)

20x20 ALUMINUM DUCT UP TO EF-8 ON ROOF. EXTEND 12" BELOW ROOF AND TERMINATE OPEN ENDED W/BIRDSCREEN.

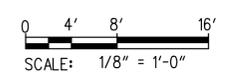
1 FLOOR PLAN - SOUTH BUILDING - DUCTWORK
M-102 SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE: N.T.S.

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ADDENDUMS / REVISIONS	

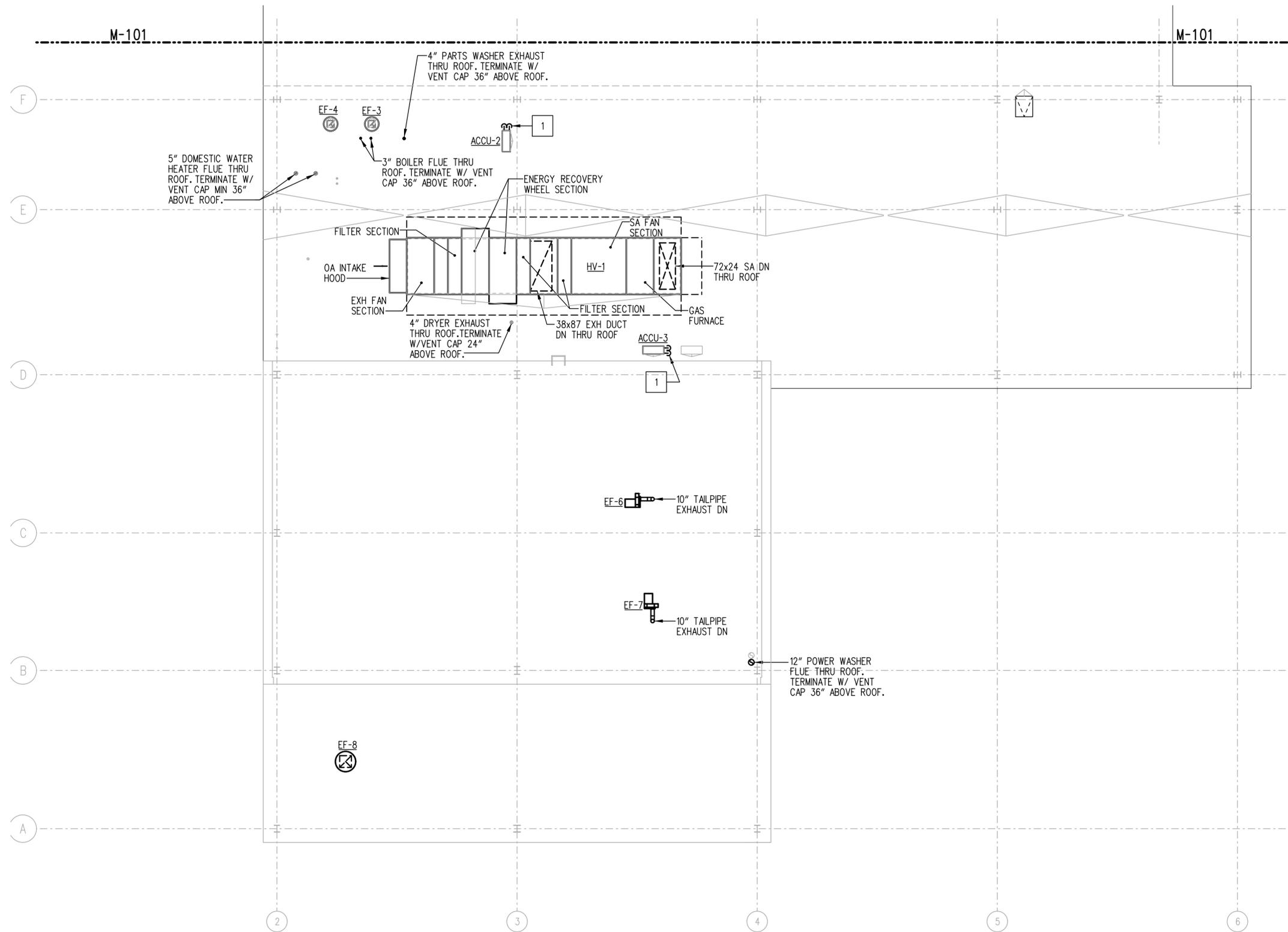


CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: DT
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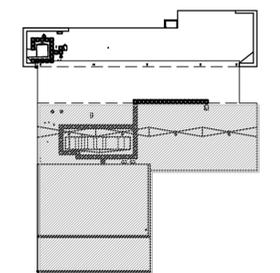
M-102
SHEET NO. 122
TOTAL SHTS. 185

CONSTRUCTION NOTES:

1 RS & RL DOWN THRU ROOF. SIZE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS.



1 ROOF PLAN - SOUTH BUILDING - HVAC
M-103 SCALE: 1/8" = 1'-0"

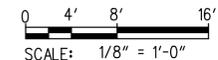


KEY PLAN
SCALE: N.T.S.

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DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY

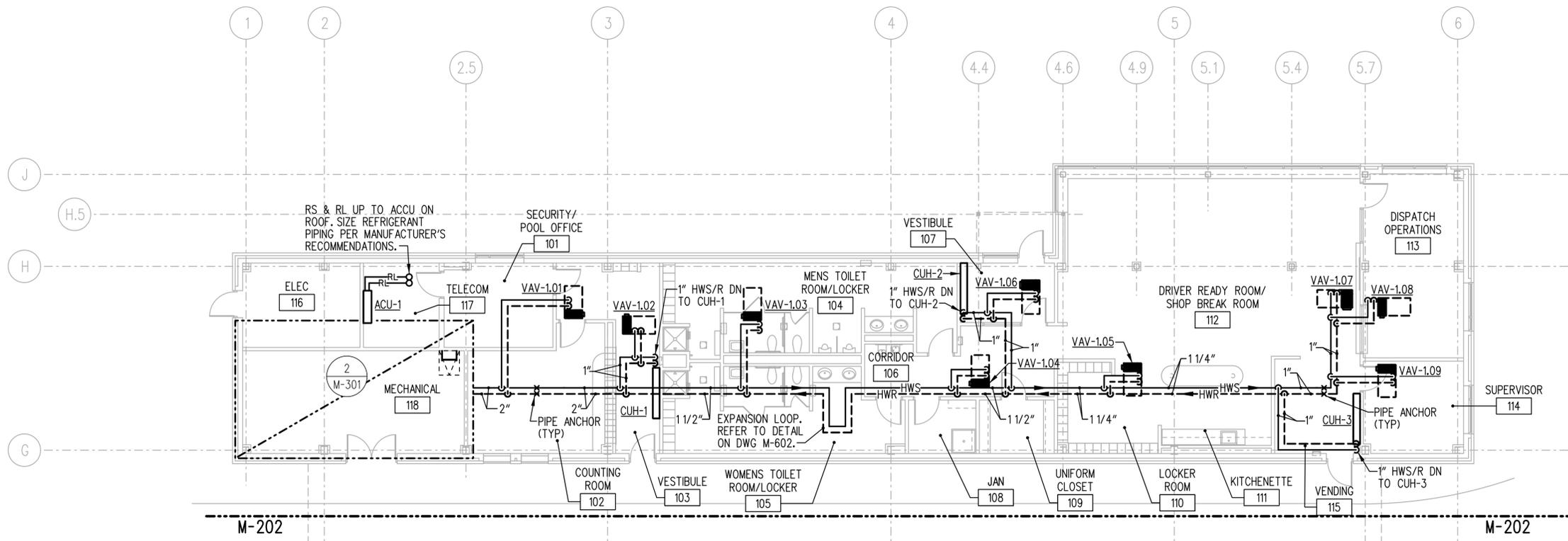
CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: DT
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ROOF PLAN
SOUTH BUILDING
HVAC

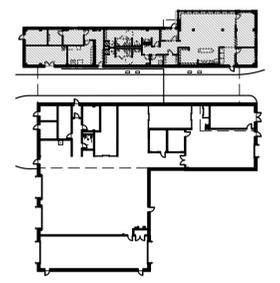
M-103
SHEET NO. 123
TOTAL SHTS. 185

DRAWING NOTES:

1. HEATING WATER PIPING RUNOUTS TO UNIT HEATERS AND VAV TERMINAL UNIT REHEAT COILS SHALL BE 3/4" UNLESS OTHERWISE NOTED.



1 FLOOR PLAN - NORTH BUILDING - PIPING
 M-201 SCALE: 1/8" = 1'-0"



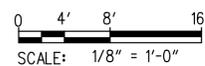
KEY PLAN
 SCALE: N.T.S.

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ADDENDUMS / REVISIONS

NO.	DATE	DESCRIPTION



DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY

CONTRACT	T200612502	BRIDGE NO.	
COUNTY	SUSSEX	DESIGNED BY:	DT
		CHECKED BY:	TLP

FLOOR PLAN
NORTH BUILDING
PIPING

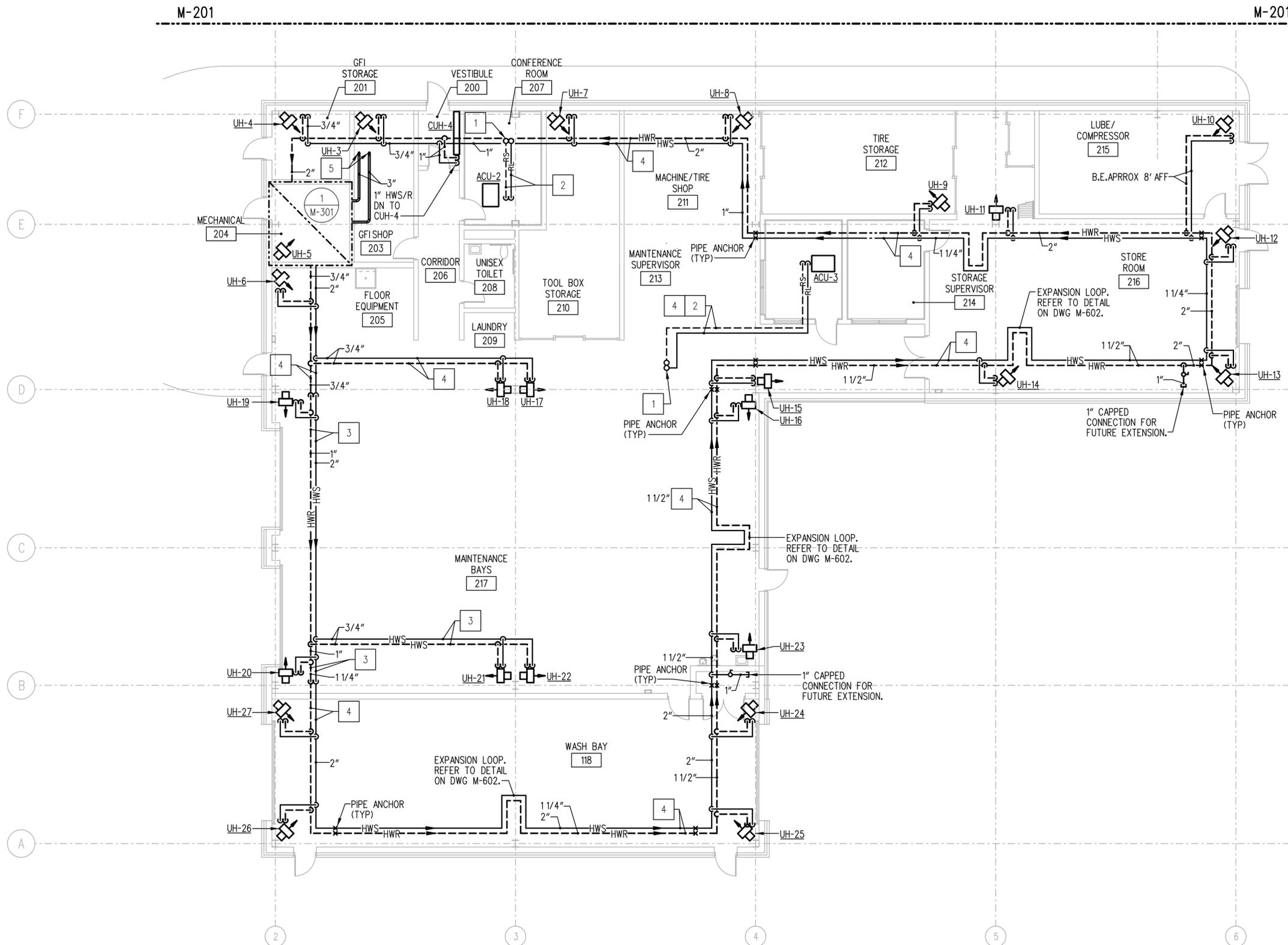
M-201
SHEET NO.
124
TOTAL SHTS.
185

DRAWING NOTES:

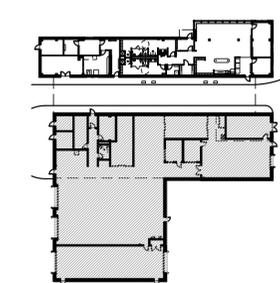
1. HEATING WATER PIPING RUNOUTS TO UNIT HEATERS AND VAV TERMINAL UNIT REHEAT COILS SHALL BE 3/4" UNLESS OTHERWISE NOTED.

CONSTRUCTION NOTES:

- 1 RS & RL UP TO ACCU ON ROOF.
- 2 SIZE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS.
- 3 BOTTOM OF PIPE ELEVATION APPROXIMATELY 20' AFF.
- 4 BOTTOM OF PIPE ELEVATION APPROXIMATELY 16' AFF.
- 5 3" BOILER FLUE UP THRU ROOF. REFER TO DRAWING M-103 FOR CONTINUATION.



1 FLOOR PLAN - SOUTH BUILDING - PIPING
M-202 SCALE: 1/8" = 1'-0"

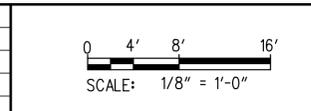


KEY PLAN
SCALE: N.T.S.

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DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: DT
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FLOOR PLAN
SOUTH BUILDING
PIPING

M-202
SHEET NO. 125
TOTAL SHTS. 185

ROOFTOP AIR HANDLING UNIT (RTU-1) SEQUENCE OF OPERATIONS

GENERAL

- UNIT SHALL BE PROVIDED WITH FACTORY PACKAGED CONTROLS WHICH SHALL BE INTERFACED WITH THE BUILDING MANAGEMENT SYSTEM (BMS).
- TEMPERATURE SENSORS SHALL MONITOR SYSTEM TEMPERATURES THROUGH THE FACTORY PACKAGED CONTROLS.
- WHEN RTU-1 IS DE-ENERGIZED, UNIT DAMPERS RETURN TO THEIR NORMAL POSITIONS, FANS STOP AND HEATING AND COOLING EQUIPMENT DE-ENERGIZES.
- RTU-1 OPERATING STATUS AND SCHEDULES, TEMPERATURE SETPOINTS, STATIC PRESSURE SETPOINTS AND EQUIPMENT ALARM CONDITIONS SHALL BE MONITORED BY THE DDC SYSTEM AND MONITORED/ADJUSTED THROUGH THE PACKAGED CONTROLS PROVIDED BY THE UNIT MANUFACTURER. OPERATOR SHALL BE ABLE TO PERFORM ALL MONITORING AND CONTROL DIRECTLY FROM THE DDC PANEL LOCATED IN THE MECHANICAL ROOM.
- INITIAL UNIT SUPPLY AIR TEMPERATURES SHALL BE AS SCHEDULED AND BE ADJUSTABLE.

UNOCCUPIED MODE

- RTU-1 SHALL OPERATE IN UNOCCUPIED COOLING OR HEATING MODE BASED ON OPERATING SCHEDULE PROGRAMMED INTO FACTORY PACKAGED CONTROLS.
- STOP RTU-1 FANS AND DE-ENERGIZE GAS FURNACE. COMPRESSORS SHALL BE OFF.
- RTU-1 SUPPLY FAN SE-RTU SHALL ENERGIZE WHEN THERE IS A CALL FOR HEATING OR COOLING AS DETERMINED THROUGH THE PACKAGED CONTROLS.
- OUTSIDE AIR DAMPER D-OA SHALL BE FULLY CLOSED AND RETURN AIR DAMPER D-RA SHALL BE FULLY OPEN.
- UPON A CALL FOR COOLING BY FACTORY PACKAGED CONTROLS, COMPRESSORS SHALL CYCLE TO MAINTAIN SCHEDULED SUPPLY AIR TEMPERATURE (55 DEG F, ADJUSTABLE).
- UPON A CALL FOR HEATING BY FACTORY PACKAGED CONTROLS, GAS FURNACE CONTROL VALVE SHALL MODULATE TO MAINTAIN 80 DEG F SUPPLY AIR TEMPERATURE.
- SE-RTU SHALL DE-ENERGIZE UPON SIGNAL FROM THE PACKAGED CONTROLS THAT VAV ZONES ARE SATISFIED.
- ALL INTERLOCKED EXHAUST FANS SHALL BE OFF.
- WHEN ALL VAV BOX DAMPERS ARE LESS THAN 90% OPEN, RESET DIFFERENTIAL PRESSURE SETPOINT LOWER UNTIL MOST WIDE OPEN VAV BOX IS AT LEAST 90% OPEN.
- A MANUAL PUSHBUTTON ON EACH SENSOR, WHEN ENERGIZED, SHALL OVERRIDE THE UNOCCUPIED SIGNAL OF THE DDC SYSTEM AND SHALL SIGNAL RTU-1 AND ASSOCIATED VAV TERMINAL UNITS TO OPERATE IN THE OCCUPIED MODE. LENGTH OF OVERRIDE OPERATION SHALL BE AS DIRECTED BY OWNER (2 HOURS INITIAL SETPOINT), AND SYSTEM SHALL REVERT TO UNOCCUPIED CONTROL WHEN SETTING HAS EXPIRED.

OCCUPIED MODE

- OUTSIDE AIR (OA) DAMPER D-OA, AND RETURN AIR DAMPER D-RA SHALL OPEN. SE-RTU AND EXHAUST FAN EE-RTU SHALL START AND RUN CONTINUOUSLY UNDER THEIR VFD CONTROL. THE VFDs SHALL GRADUALLY INCREASE FAN SPEEDS TO THEIR CONTROLLED POSITIONS. THE DDC SYSTEM SHALL MONITOR DUCT STATIC PRESSURE AS MEASURED BY SYSTEM STATIC PRESSURE SENSOR SPS-SA AND CONTROL THE SPEED OF SE-RTU TO MAINTAIN STATIC PRESSURE SETPOINT (1.0, ADJUSTABLE). SEE FLOOR PLAN FOR LOCATION OF STATIC PRESSURE SENSOR. FINAL CONTROL SETPOINT SHALL BE AS DETERMINED BY PROJECT TEST & BALANCE CONTRACTOR AND SHALL BE THE LOWEST VALUE REQUIRED FOR EACH TERMINAL UNIT TO DELIVER ITS DESIGN FLOW AT SYSTEM MAXIMUM FLOW.
- THE FACTORY PACKAGED CONTROLS SHALL MONITOR SPACE PRESSURE AS MEASURED BY STATIC PRESSURE SENSOR SDP-SPACE AND CONTROL THE SPEED OF EE-RTU TO MAINTAIN PRESSURE AT 0.1" W.G. (ADJUSTABLE). SEE FLOOR PLAN FOR LOCATION OF STATIC PRESSURE SENSOR. WHEN PRESSURE FALLS BELOW SETPOINT, THE FAN VFD SHALL GRADUALLY DECREASE FAN SPEED. WHEN PRESSURE RISES ABOVE SETPOINT, THE VFD SHALL GRADUALLY INCREASE FAN SPEED.
- THE FACTORY PACKAGED CONTROLS SHALL OPEN D-OA AND MODULATE THE DAMPERS TO MAINTAIN SYSTEM OA FROM FALLING BELOW MINIMUM VALUE, AS SCHEDULED ON DRAWING M7.01, THROUGH THE OA MEASUREMENT STATION AMS-OA. WHEN D-OA IS FULLY OPEN AND OA IS STILL BELOW SETPOINT, MODULATE D-RA TOWARDS THE CLOSED POSITION AS REQUIRED TO MEET OA SETPOINT.
- THE FACTORY PACKAGED CONTROLS SHALL STAGE COMPRESSORS AS REQUIRED TO MAINTAIN UNIT DISCHARGE AIR TEMPERATURE OF 55 DEG F, ADJUSTABLE.
- WHEN SUPPLY AIR TEMPERATURE FALLS BELOW SUPPLY AIR TEMPERATURE SETPOINT, FACTORY PACKAGED CONTROLS SHALL MODULATE THE GAS CONTROL VALVE OPEN AND ENERGIZE THE GAS FURNACE AS REQUIRED TO MAINTAIN SUPPLY AIR TEMPERATURE AT 55 DEG F, ADJUSTABLE.
- INTERLOCKED EXHAUST FANS SHALL ENERGIZE AND OPERATE CONTINUOUSLY.

ECONOMIZER OPERATION

- WHEN THE RETURN AIR ENTHALPY IS GREATER THAN THE OUTSIDE AIR ENTHALPY FOR 15 MINUTES AS MEASURED BY THEIR RESPECTIVE ENTHALPY SENSORS, THE PACKAGED CONTROLS SHALL UTILIZE ENTHALPY ECONOMIZER LOGIC TO MODULATE OA DAMPER D-OA OPEN AND D-RA CLOSED TO MAINTAIN SCHEDULED SUPPLY AIR TEMPERATURE SETPOINT (55 DEG F, ADJUSTABLE) AS SENSED BY TS-1
- ECONOMIZER CONTROLS SHALL OVERRIDE OUTSIDE AIR DAMPER INTEGRAL CONTROLS. HEATING AND COOLING SHALL DE-ENERGIZE.
- WHEN D-OA IS FULLY OPEN AND SUPPLY AIR TEMPERATURE INCREASES ABOVE SUPPLY AIR SETPOINT BY 2 DEG F FOR 15 MINUTES, MECHANICAL COOLING SHALL ENERGIZE TO CYCLE COMPRESSORS TO MAINTAIN SUPPLY AIR SETPOINT.
- WHEN OUTSIDE AIR ENTHALPY IS GREATER THAN THE RETURN AIR ENTHALPY, D-OA SHALL CLOSE TO ITS MINIMUM POSITION, AND COMPRESSORS SHALL BE STAGED TO MAINTAIN SETPOINT. GAS FURNACE SHALL DE-ENERGIZE.
- WHEN D-OA IS AT MINIMUM POSITION AND SUPPLY AIR TEMPERATURE FALLS BELOW SETPOINT BY 2 DEG F FOR 15 MINUTES, ECONOMIZER OPERATION SHALL END AND GAS FURNACE SHALL ENERGIZE TO MAINTAIN SUPPLY AIR SETPOINT.

MORNING WARMUP MODE

- DDC SYSTEM SHALL ENABLE MORNING WARMUP MODE THRU THE RTU PACKAGED CONTROLS AT A TIME DETERMINED BY THE OPTIMIZATION PROGRAM TO ALLOW SPACES TO BE HEATED TO OCCUPIED SPACE TEMPERATURE SETPOINT BY THE START OF THE OCCUPIED PERIOD.
- D-OA SHALL FULLY CLOSE AND D-RA SHALL FULLY OPEN.
- WHEN THE LIMIT SWITCH ON D-RA INDICATES IT TO BE OPEN, SE-RTU SHALL ENERGIZE.
- SE-RTU UNDER VFD CONTROL SHALL MODULATE TO MAINTAIN A CONSTANT 1.0 IN. W.G. (ADJUSTABLE) STATIC PRESSURE AS SENSED BY SUPPLY DUCT STATIC PRESSURE SENSOR SPS-SA
- EE-RTU SHALL DE-ENERGIZE AND COMPRESSORS SHALL BE LOCKED OUT.
- GAS FURNACE SHALL MODULATE TO MAINTAIN 80 DEG F SUPPLY AIR SETPOINT, ADJUSTABLE.
- DDC SYSTEM SHALL SIGNAL VAV BOXES INTO MORNING WARMUP MODE. VAV BOXES SHALL OPERATE UNDER THEIR MORNING WARMUP CONTROL SEQUENCES.
- WHEN ALL OF THE VAV BOXES ARE WITHIN 2 DEG F OF THE OCCUPIED SETPOINT (70 DEG F), THE DDC SYSTEM SHALL INITIATE RTU-1 INTO OCCUPIED MODE OF OPERATION.

MORNING COOLDOWN

- DDC SYSTEM SHALL ENABLE MORNING COOLDOWN MODE THRU THE RTU PACKAGED CONTROLS AT A TIME DETERMINED BY THE OPTIMIZATION PROGRAM TO ALLOW SPACES TO BE COOLED TO OCCUPIED SPACE TEMPERATURE SETPOINT BY THE START OF THE OCCUPIED PERIOD.
- D-OA SHALL FULLY CLOSE AND D-RA SHALL FULLY OPEN.
- WHEN THE LIMIT SWITCH ON D-RA INDICATES IT TO BE OPEN, SUPPLY FAN SHALL ENERGIZE.
- SE-RTU UNDER VFD CONTROL SHALL MODULATE TO MAINTAIN A CONSTANT 1.0 IN. W.G. (ADJUSTABLE) STATIC PRESSURE AS SENSED BY SUPPLY DUCT STATIC PRESSURE SENSOR SPS-SA
- EE-RTU SHALL DE-ENERGIZE.
- GAS CONTROL VALVE SHALL FULLY BE CLOSED AND GAS FURNACE SHALL BE LOCKED OUT.
- COMPRESSORS SHALL CYCLE TO MAINTAIN A 55 DEG F SUPPLY AIR TEMPERATURE AS SENSED BY TS-1
- DDC SYSTEM SHALL SIGNAL VAV BOXES INTO MORNING COOLDOWN MODE. VAV BOXES SHALL OPERATE UNDER THEIR MORNING COOLDOWN CONTROL SEQUENCES.
- WHEN ALL OF THE VAV BOXES HAVE ARE WITHIN 2 DEG F OF THE OCCUPIED SETPOINT (75 DEG F, ADJUSTABLE), THE DDC SYSTEM SHALL INITIATE RTU-1 INTO OCCUPIED MODE OF OPERATION.

SUPPLY AIR TEMPERATURE RESET

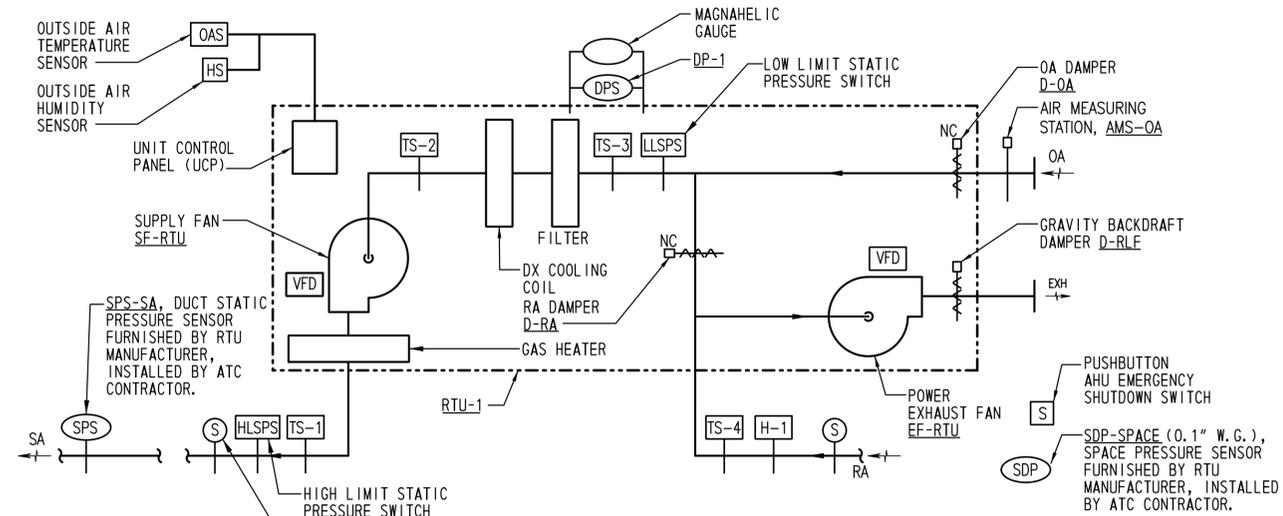
WHEN VFD MODULATES DOWN TO 30 HZ, RESET SUPPLY AIR TEMPERATURE UP IN 1 DEG F INCREMENTS TOWARDS A MAXIMUM OF 60 DEG F. ONCE SUPPLY AIR TEMPERATURE REACHES 60 DEG F, VFD SHALL BE PERMITTED TO MODULATE LOWER THAN 30 HZ. DISABLE RESET IF ANY ZONE IS MORE THAN 2 DEG F ABOVE COOLING SETPOINT. IF HUMIDITY AT H-1 IS ABOVE 60% RH, ADJUST SUPPLY AIR TEMPERATURE DOWN IN 1 DEG F INCREMENTS TOWARD A MINIMUM OF 55 DEG F.

STATIC PRESSURE SETPOINT RESET

PACKAGED CONTROLS SHALL RESET SUPPLY AIR STATIC PRESSURE SETPOINT LOWER AS REQUIRED TO PREVENT MOST WIDE OPEN VAV BOX PRIMARY DAMPER FROM BEING LESS THAN 90% OPEN.

SAFETY CONTROLS

- WHEN EITHER SUPPLY AIR OR RETURN AIR DUCT SMOKE DETECTORS SENSE PRODUCTS OF COMBUSTION, DE-ENERGIZE SE-RTU AND EE-RTU, FULLY CLOSE D-OA AND D-RA, SIGNAL AN ALARM TO THE FIRE ALARM SYSTEM. THE INTERLOCK WITH THE SE-RTU AND EE-RTU SHALL BE HARDWIRED AND REQUIRE A MANUAL RESET.
- WHEN THE SUPPLY AIR DUCT HIGH LIMIT STATIC PRESSURE SENSOR SENSES STATIC PRESSURE EXCEEDING THE 3.0 IN. W.G. SETPOINT (ADJUSTABLE), DE-ENERGIZE SE-RTU AND EE-RTU AUTOMATICALLY RESTART SYSTEM AFTER ONE MINUTE DELAY. SECOND FAILURE IN ONE HOUR SHALL REQUIRE A MANUAL RESET.
- WHEN THE SUPPLY AIR DUCT LOW LIMIT STATIC PRESSURE SENSOR SENSES STATIC PRESSURE BELOW THE NEGATIVE 2.0 IN. W.G. SETPOINT (ADJUSTABLE), DE-ENERGIZE SE-RTU AND EE-RTU AUTOMATICALLY RESTART SYSTEM AFTER ONE MINUTE DELAY. SECOND FAILURE IN ONE HOUR SHALL REQUIRE A MANUAL RESET.
- THE FACTORY PACKAGED CONTROLS SHALL COMMAND RTU TO DE-ENERGIZE UPON DETECTION OF LOW SYSTEM TEMPERATURE (40 DEG F) AS SENSED BY TS-1
- FIRE DEPARTMENT EMERGENCY SHUTDOWN SWITCH SHALL BE PROVIDED FOR FIRE DEPARTMENT ACCESS IN THE SPACE AS REQUIRED BY NFPA. COORDINATE LOCATION WITH LOCAL FIRE DEPARTMENT. SWITCH SHALL SHUT DOWN ALL SUPPLY AND EXHAUST FANS IN THE BUILDING.



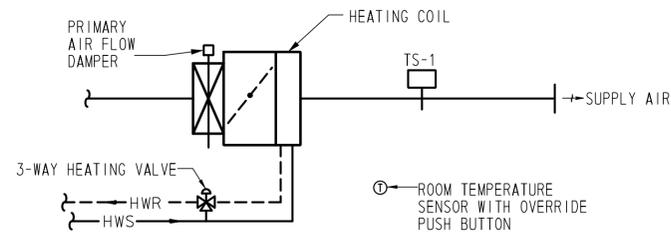
RTU-1 CONTROL SCHEMATIC
NOT TO SCALE

AIR HANDLING UNIT RTU-1 SYSTEM CONTROLLER									
POINT I.D. #	POINT DESCRIPTION	AI	AO	DI	DO	ALARM			NOTES
						HI/LOW	MAINT.	FAILURE	
1	TS-1, SUPPLY AIR TEMPERATURE SENSOR	X				X			PROVIDED THRU UNIT CONTROL PANEL
2	TS-4, RETURN AIR TEMPERATURE SENSOR	X				X			PROVIDED THRU UNIT CONTROL PANEL
3	OAS, OUTSIDE AIR TEMPERATURE SENSOR	X				X			PROVIDED THRU UNIT CONTROL PANEL
4	OUTDOOR AIR FLOW FROM AMS-OA	X				X			PROVIDED THRU UNIT CONTROL PANEL
5	SF-RTU1, SUPPLY FAN VFD FREQUENCY	X				X			PROVIDED THRU UNIT CONTROL PANEL
6	EF-RTU1, EXHAUST FAN VFD FREQUENCY	X				X			PROVIDED THRU UNIT CONTROL PANEL
7	ERW-RTU1, ENERGY WHEEL VFD FREQUENCY	X				X			PROVIDED THRU UNIT CONTROL PANEL
8	SF-RTU1 STATUS				X			X	PROVIDED THRU UNIT CONTROL PANEL
9	EF-RTU1 STATUS				X			X	PROVIDED THRU UNIT CONTROL PANEL
10	ERW-RTU1 STATUS				X			X	PROVIDED THRU UNIT CONTROL PANEL
11	DP-1-SA, SA FILTER DIFFERENTIAL PRESSURE SWITCH				X		X		PROVIDED THRU UNIT CONTROL PANEL
12	DP-1-OA, OA FILTER DIFFERENTIAL PRESSURE SWITCH				X		X		PROVIDED THRU UNIT CONTROL PANEL
13	DP-1-RA, RA FILTER DIFFERENTIAL PRESSURE SWITCH				X		X		PROVIDED THRU UNIT CONTROL PANEL
14	RTU-1 START/STOP				X				

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ADDENDUMS / REVISIONS

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: TLP
	CHECKED BY: CEH



VAV BOX SCHEMATIC
NOT TO SCALE

VAV TERMINAL UNIT SEQUENCE OF OPERATION

GENERAL:

- UNIT DESCRIPTION: VARIABLE AIR VOLUME BOX WITH HYDRONIC HEATING COIL.
- INSTALL VAV TERMINAL UNIT CONTROLLER ON THE VAV BOX THAT IT SERVES AND DIGITALLY COMMUNICATE WITH THE DDC SYSTEM.
- AHU OPERATING STATUS AND SCHEDULES, TEMPERATURE SETPOINTS, STATIC PRESSURE SETPOINTS AND EQUIPMENT ALARM CONDITIONS SHALL BE MONITORED AND ADJUSTED THROUGH THE DDC SYSTEM. OPERATOR SHALL ALSO BE ABLE TO PERFORM ALL MONITORING AND CONTROL DIRECTLY FROM THE DDC CONTROL PANEL.
- INITIAL TEMPERATURE SETPOINTS SHALL BE AS FOLLOWS (AND ADJUSTABLE) FOR ALL ZONES:
 OCCUPIED COOLING: 75 DEG F
 OCCUPIED HEATING: 70 DEG F
 UNOCCUPIED COOLING: 85 DEG F
 UNOCCUPIED HEATING: 60 DEG F
- EACH VAV BOX MAXIMUM AND MINIMUM AIRFLOWS SHALL BE AS SCHEDULED.

OCCUPIED MODE:

- THE VAV BOX DAMPER SHALL MODULATE BETWEEN THE MINIMUM AIR VOLUME SETPOINT AND THE MAXIMUM AIR VOLUME SETPOINT TO MAINTAIN THE ZONE TEMPERATURE SETPOINT.
- UPON A FALL IN TEMPERATURE BELOW THE COOLING TEMPERATURE SETPOINT, THE DAMPER SHALL MAINTAIN MINIMUM AIRFLOW SETPOINT. UPON A FURTHER FALL IN SPACE TEMPERATURE BELOW THE HEATING TEMPERATURE SETPOINT, THE HEATING COIL CONTROL VALVE SHALL MODULATE AS REQUIRED TO MAINTAIN ZONE TEMPERATURE SETPOINT AND TERMINAL UNIT AIR VOLUME SHALL INCREASE TO HEATING AIRFLOW SETPOINT AS INDICATED IN SCHEDULE.
- UPON A RISE IN TEMPERATURE ABOVE THE HEATING TEMPERATURE SETPOINT, THE DAMPER SHALL MAINTAIN AIRFLOW AT THE SCHEDULED MINIMUM AIRFLOW AND THE HEATING WATER CONTROL VALVE SHALL BE CLOSED.

UNOCCUPIED MODE:

- THE UNITS SHALL OPERATE IN UNOCCUPIED MODE TO MAINTAIN ZONE UNOCCUPIED TEMPERATURE SETPOINTS.
- RTU-1 SHALL ENERGIZE AND ALL VAV BOX DAMPERS SHALL OPEN FULLY WHEN A MINIMUM OF THREE VAV ZONE TEMPERATURES IS ABOVE 85 DEG F FOR 10 MINUTES OR LONGER. RTU-1 SHALL DE-ENERGIZE AND ALL VAV BOX DAMPERS SHALL CLOSE WHEN ALL VAV ZONE TEMPERATURES FALL BELOW 82 DEG F FOR 10 MINUTES OR LONGER.
- RTU-1 SHALL ENERGIZE WHEN A MINIMUM OF THREE VAV ZONE TEMPERATURES IS BELOW 60 DEG F FOR 10 MINUTES OR LONGER. THE VAV UNIT SHALL MODULATE THE DAMPER TO MAINTAIN THE SCHEDULED HEATING AIRFLOW. THE VAV HEATING COIL CONTROL VALVE SHALL OPEN AS REQUIRED TO MAINTAIN ZONE TEMPERATURE SETPOINT. RTU-1 SHALL DE-ENERGIZE AND ALL VAV BOX DAMPERS SHALL CLOSE WHEN ALL VAV ZONE TEMPERATURES FALL BELOW 62 DEG F FOR 10 MINUTES OR LONGER.

MORNING WARMUP MODE:

- DDC SYSTEM SHALL INITIALIZE MORNING WARMUP MODE AT A TIME DETERMINE BY THE OPTIMIZATION PROGRAM TO ALLOW SPACES TO BE HEATED TO OCCUPIED SPACE TEMPERATURE BY THE START OF THE OCCUPIED PERIOD.
- THE VAV BOX DAMPER SHALL BE FULLY OPEN FOR MAXIMUM AIRFLOW.
- INDEX UNITS TO OCCUPIED MODE WHEN SPACE TEMPERATURES REACH THE OCCUPIED SETPOINT.

MORNING COOLDOWN MODE:

- DDC SYSTEM SHALL INITIALIZE MORNING COOLDOWN MODE AT A TIME DETERMINE BY THE OPTIMIZATION PROGRAM TO ALLOW SPACES TO BE COOLED TO OCCUPIED SPACE TEMPERATURE BY THE START OF THE OCCUPIED PERIOD.
- THE VAV BOX DAMPER SHALL BE FULLY OPEN FOR MAXIMUM AIRFLOW TO BRING ZONE TEMPERATURE DOWN TO SETPOINT.
- INDEX UNITS TO OCCUPIED MODE WHEN SPACE TEMPERATURES REACH THE OCCUPIED SETPOINT.

VAV BOX WITH HOT WATER REHEAT CONTROLLER									
POINT I.D. *	POINT DESCRIPTION	AI	AO	DI	DO	ALARM			NOTES
						HI/LOW	MAINT.	FAILURE	
1	SPACE TEMPERATURE	X				X			PROVIDED THRU UNIT CONTROL PANEL
2	TS-1, SUPPLY AIR TEMPERATURE	X				X			
3	PRIMARY AIRFLOW	X				X			
4	PRIMARY AIR DAMPER POSITION		X						
5	HEATING VALVE POSITION		X						
6	OVERRIDE			X					

HEATING & VENTILATING UNIT (HV-1) - SEQUENCE OF OPERATION

GENERAL:

- HV-1 SHALL BE PROVIDED WITH FACTORY PACKAGED CONTROLS WHICH SHALL BE INTERFACED WITH THE BUILDING MANAGEMENT SYSTEM (BMS).
- ALARM CONTACTS AT VFDs SHALL MONITOR FAN OPERATION AND SHALL ALARM THE DDC SYSTEM UPON DETECTION OF ITS RESPECTIVE FAN FAILURE..
- TEMPERATURE SENSORS SHALL MONITOR SYSTEM TEMPERATURES THROUGH THE PACKAGED CONTROLS.
- WHEN HV-1 IS DE-ENERGIZED, UNIT DAMPERS RETURN TO THEIR NORMAL POSITIONS, FANS AND ENERGY RECOVERY WHEEL ERW-HV1 STOP, AND HEATING AND COOLING EQUIPMENT DE-ENERGIZES.
- HV-1 OPERATING STATUS AND SCHEDULES, TEMPERATURE SETPOINTS, STATIC PRESSURE SETPOINTS AND EQUIPMENT ALARM CONDITIONS SHALL BE MONITORED BY THE DDC SYSTEM AND MONITORED/ADJUSTED THROUGH THE PACKAGED CONTROLS PROVIDED BY THE UNIT MANUFACTURER. OPERATOR SHALL BE ABLE TO PERFORM ALL MONITORING DIRECTLY FROM THE DDC PANEL LOCATED IN THE MECHANICAL ROOM.
- INITIAL UNIT SUPPLY AIR TEMPERATURES SHALL BE AS SCHEDULED AND BE ADJUSTABLE.

OCCUPIED MODE:

- OPEN OUTSIDE AIR (OA) DAMPER D-OA-HV1 WHEN D-OA-HV1 IS PROVEN OPEN BY ITS LIMIT SWITCH, THE SUPPLY AND EXHAUST FANS SHALL START AND RUN CONTINUOUSLY AT THEIR MINIMUM SCHEDULED AIR VOLUME. THE VFD SHALL GRADUALLY INCREASE THE FAN SPEEDS TO THEIR CONTROLLED POSITION.
- WHEN THE SPACE TEMPERATURE RISES ABOVE 85 DEG F (ADJUSTABLE) AS SENSED BY RETURN AIR TEMPERATURE SENSOR TS-5, THE VFDs SHALL INCREASE THE SUPPLY AND EXHAUST FAN SPEEDS TO PROVIDE THE MAXIMUM SCHEDULED AIR VOLUME. WHEN THE SPACE TEMPERATURE FALLS BELOW 80 DEG F (ADJUSTABLE) AS SENSED BY TS-5, THE VFDs SHALL DECREASE THE SUPPLY AND EXHAUST FAN SPEEDS TO PROVIDE THE MINIMUM SCHEDULED AIR VOLUME.
- THE PACKAGED CONTROLS SHALL CONTROL THE SUPPLY AND EXHAUST FAN SPEEDS THROUGH THEIR RESPECTIVE VFDs TO MAINTAIN SYSTEM OA VOLUME FROM FALLING BELOW MINIMUM VALUE AS SCHEDULED AND MEASURED BY THE OA MEASUREMENT STATIONS AMS-OA-HV1
- THE PACKAGED CONTROLS SHALL MONITOR ENERGY RECOVERY WHEEL DISCHARGE AIR TEMPERATURE AS SENSED BY TS-2 AND CONTROL HV-1 TO MAINTAIN SUPPLY AIR TEMPERATURE SETPOINT (68 DEG F, ADJUSTABLE) AS SENSED BY DISCHARGE AIR TEMPERATURE SENSOR TS-1 IF TS-2 SENSES TEMPERATURE BELOW 66 DEG F, THE PACKAGED CONTROLS SHALL ENABLE THE GAS FURNACE AND MODULATE THE GAS CONTROL VALVE OPEN AND ENERGIZE THE GAS FURNACE AS REQUIRED TO MAINTAIN UNIT SUPPLY AIR TEMPERATURE (68 DEG F, ADJUSTABLE).
- ON A RISE IN CARBON MONOXIDE (CO), NITROUS OXIDE (NOx), OR COMPRESSED NATURAL GAS (CNG) LEVELS ABOVE SETPOINT, THE DDC SYSTEM SHALL INCREASE THE FAN SPEEDS, THROUGH VFD OPERATION, TO THE MAXIMUM SCHEDULED AIR VOLUME. CO SETPOINT SHALL BE NINE (9) PARTS PER MILLION. NOx SETPOINT SHALL BE 100 MICROGRAMS PER CUBIC METER. CNG SETPOINT SHALL BE 20% LFL.

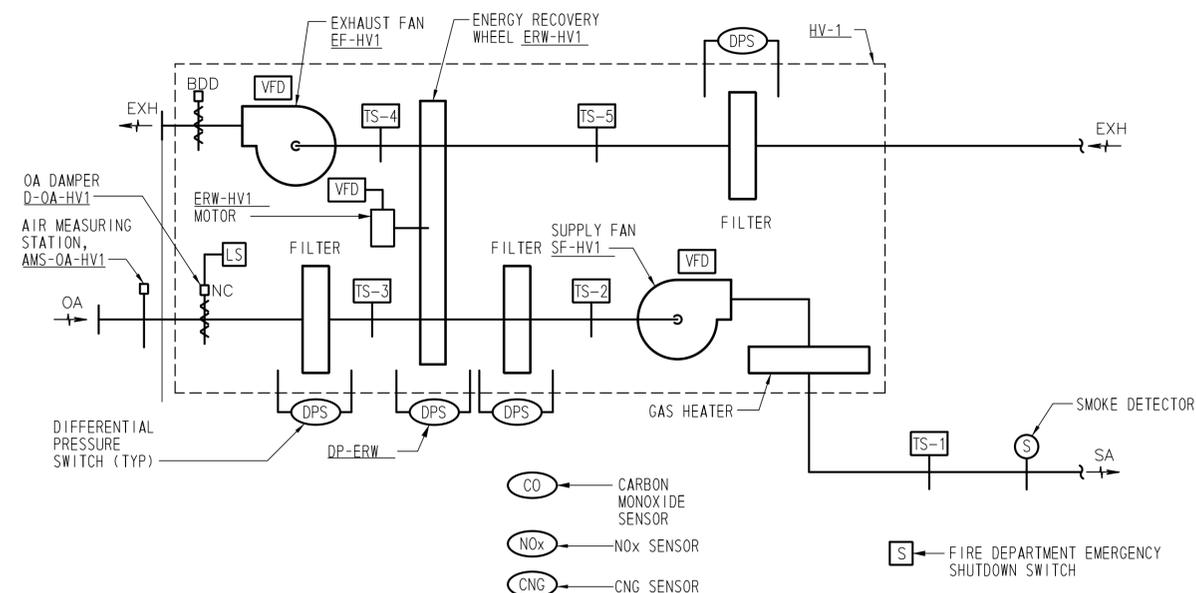
UNOCCUPIED MODE:

HV-1 SHALL DE-ENERGIZE AND MOTOR OPERATED DAMPERS SHALL CLOSE.

ENERGY WHEEL FROST CONTROL

PROVIDE MODULATING WHEEL FROST CONTROL TO ALLOW FOR CONTINUOUS OPERATION OF UNIT. FROST CONTROL SHALL OPERATE AS FOLLOWS:

- WHEN DIFFERENTIAL PRESSURE SENSOR, DP-ERW, DETECTS AN INCREASE IN PRESSURE DROP ACROSS THE ENERGY RECOVERY WHEEL ABOVE THE FACTORY SETPOINT (ADJUSTABLE), AND TS-OA SENSES A TEMPERATURE BELOW THE FACTORY SETPOINT (ADJUSTABLE), THE VFD SHALL REDUCE THE WHEEL SPEED.
- WHEN THE PRESSURE DROP DECREASES BELOW SETPOINT, WHEEL SHALL OPERATE AT FULL SPEED.



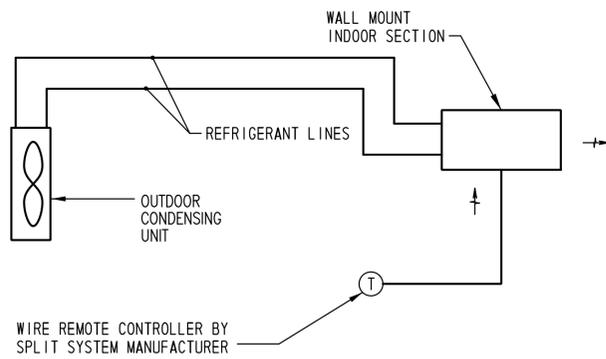
HEATING & VENTILATING UNIT HV-1 CONTROL SCHEMATIC
NOT TO SCALE

SAFETY CONTROLS

- WHEN SUPPLY AIR DUCT SMOKE DETECTOR SENSES PRODUCTS OF COMBUSTION, DE-ENERGIZE SUPPLY AIR FAN, CLOSE D-OA-HV1 SIGNAL AN ALARM TO THE FIRE ALARM SYSTEM. THE INTERLOCK WITH THE SUPPLY AND EXHAUST AIR FANS SHALL BE HARD-WIRED AND REQUIRE MANUAL RESET.
- THE PACKAGED CONTROLS SHALL COMMAND HV-1 TO DE-ENERGIZE UPON DETECTION OF LOW SYSTEM TEMPERATURE (40 DEG F) AS SENSED BY TS-1
- FIRE DEPARTMENT EMERGENCY SHUTDOWN SWITCH SHALL BE PROVIDED FOR FIRE DEPARTMENT ACCESS IN THE SPACE AS REQUIRED BY NFPA. COORDINATE LOCATION WITH LOCAL FIRE DEPARTMENT. SWITCH SHALL SHUT DOWN ALL SUPPLY AND EXHAUST FANS IN THE BUILDING.

HEATING & VENTILATING UNIT HV-1 SYSTEM CONTROLLER									
POINT I.D. *	POINT DESCRIPTION	AI	AO	DI	DO	ALARM			NOTES
						HI/LOW	MAINT.	FAILURE	
1	TS-1, HEATER DISCHARGE TEMPERATURE SENSOR	X				X			PROVIDED THRU UNIT CONTROL PANEL
2	TS-5, RA TEMPERATURE SENSOR	X				X			
3	OUTDOOR AIRFLOW FROM AMS-OA-HV1	X				X			PROVIDED THRU UNIT CONTROL PANEL
4	EXHAUST AIRFLOW FROM AMS-EXH-HV1	X				X			PROVIDED THRU UNIT CONTROL PANEL
5	SF-HV1 VFD FREQUENCY	X				X			PROVIDED THRU UNIT CONTROL PANEL
6	EF-HV1 VFD FREQUENCY	X				X			PROVIDED THRU UNIT CONTROL PANEL
7	CARBON MONOXIDE SENSOR	X				X			PROVIDED THRU UNIT CONTROL PANEL
8	NOX SENSOR	X				X			PROVIDED THRU UNIT CONTROL PANEL
9	CNG SENSOR	X				X			PROVIDED THRU UNIT CONTROL PANEL
10	SF-HV1 VFD FREQUENCY		X						
11	EF-HV1 VFD FREQUENCY		X						
12	SF-HV1 STATUS			X				X	PROVIDED THRU UNIT CONTROL PANEL
13	EF-HV1 STATUS			X				X	PROVIDED THRU UNIT CONTROL PANEL
14	SA FILTER DIFFERENTIAL PRESSURE SWITCH			X				X	PROVIDED THRU UNIT CONTROL PANEL
15	OA FILTER DIFFERENTIAL PRESSURE SWITCH			X				X	PROVIDED THRU UNIT CONTROL PANEL
16	EA FILTER DIFFERENTIAL PRESSURE SWITCH			X				X	PROVIDED THRU UNIT CONTROL PANEL
17	HV-1 START/STOP				X				

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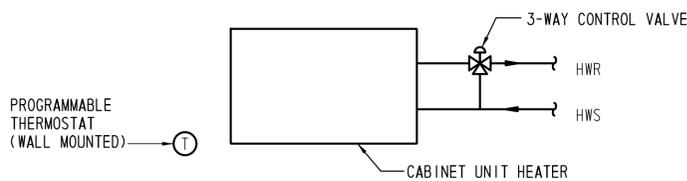


DUCTLESS SPLIT SYSTEM UNIT CONTROL SCHEMATIC
NOT TO SCALE

DUCTLESS SPLIT SYSTEM (ACU-X/ACCU-X) SEQUENCE OF OPERATIONS

GENERAL:

1. UNIT SHALL OPERATE UNDER PACKAGED CONTROLS TO MAINTAIN SPACE TEMPERATURE SETPOINT OF 75 DEGREES F, ADJUSTABLE.



HYDRONIC CABINET UNIT HEATER CONTROL SCHEMATIC
NOT TO SCALE

HYDRONIC CABINET UNIT HEATER (CUH-X) SEQUENCE OF OPERATIONS

GENERAL:

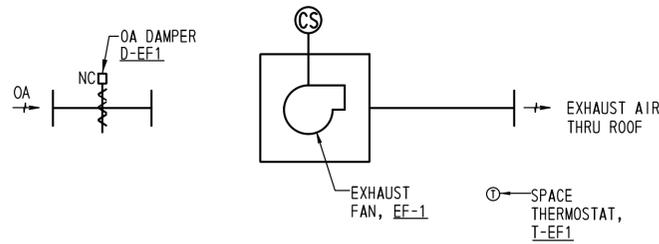
1. OCCUPIED VERSUS UNOCCUPIED MODE IS ADJUSTABLE AND SHALL BE ENABLED BY A PROGRAMMABLE THERMOSTAT PROVIDED BY ATC CONTRACTOR.

OCCUPIED MODE:

1. OCCUPIED TEMPERATURE SETPOINT FOR CUH-1 SHALL BE 70 DEG F (ADJUSTABLE). OCCUPIED SETPOINT FOR CUH-2 THRU CUH-4 SHALL BE 65 DEG F (ADJUSTABLE).
2. WHEN SPACE TEMPERATURE FALLS 2 DEG F BELOW SETPOINT, AS SENSED BY WALL MOUNTED THERMOSTAT, CYCLE FAN ON AND FULLY OPEN HEATING COIL CONTROL VALVE.
3. WHEN SPACE TEMPERATURE RISES ABOVE SETPOINT, AS SENSED BY WALL MOUNTED THERMOSTAT, DE-ENERGIZE FAN AND FULLY CLOSE HEATING COIL CONTROL VALVE.

UNOCCUPIED MODE:

1. UNOCCUPIED TEMPERATURE SETPOINT FOR CUH-1 SHALL BE 60 DEG F (ADJUSTABLE). OCCUPIED SETPOINT FOR CUH-2 THRU CUH-4 SHALL BE 50 DEG F (ADJUSTABLE).
2. WHEN SPACE TEMPERATURE FALLS 2 DEG F BELOW SETPOINT, AS SENSED BY WALL MOUNTED THERMOSTAT, CYCLE FAN ON AND FULLY OPEN HEATING COIL CONTROL VALVE.
3. WHEN SPACE TEMPERATURE RISES ABOVE SETPOINT, AS SENSED BY WALL MOUNTED THERMOSTAT, DE-ENERGIZE FAN AND FULLY CLOSE HEATING COIL CONTROL VALVE.



EXHAUST FAN SCHEMATIC (EF-1 THRU EF-4)
NOT TO SCALE

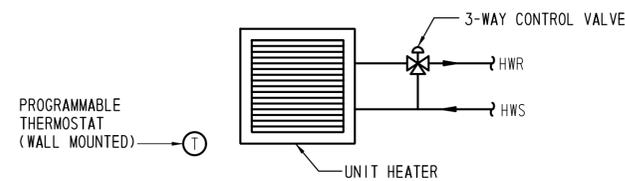
EXHAUST FAN (EF-1) - SEQUENCE OF OPERATION

GENERAL:

1. SCHEMATIC AND SEQUENCE FOR EF-1 INDICATED, TYPICAL FOR EF-2 THRU EF-4.
2. SUMMER TEMPERATURE SETPOINT: 95 DEG F

OCCUPIED MODE:

1. WHEN THE TEMPERATURE IN THE SPACE RISES 2 DEG F ABOVE THE DESIGN SETPOINT AS DETECTED BY WALL-MOUNTED THERMOSTAT T-EF-1, MODULATE THE TRANSFER AIR DAMPER D-EF1 OPEN AND ENERGIZE EF-1.



HYDRONIC UNIT HEATER CONTROL SCHEMATIC
NOT TO SCALE

HYDRONIC UNIT HEATER (UH-X) SEQUENCE OF OPERATIONS

GENERAL:

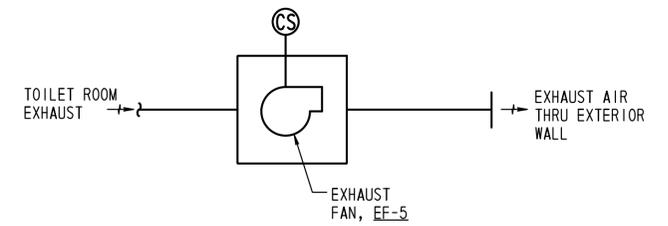
1. OCCUPIED VERSUS UNOCCUPIED MODE IS ADJUSTABLE AND SHALL BE ENABLED BY A WALL MOUNTED PROGRAMMABLE THERMOSTAT PROVIDED BY ATC CONTRACTOR.

OCCUPIED MODE:

1. OCCUPIED TEMPERATURE SETPOINT FOR UH-1, UH-2, UH-4, AND UH-5 SHALL BE 55 DEG F (ADJUSTABLE). OCCUPIED SETPOINT FOR UH-3 AND UH-6 THRU UH-27 SHALL BE 68 DEG F (ADJUSTABLE).
2. WHEN SPACE TEMPERATURE FALLS 2 DEG F BELOW SETPOINT, AS SENSED BY PROGRAMMABLE THERMOSTAT, CYCLE FAN ON AND FULLY OPEN HEATING COIL CONTROL VALVE.
3. WHEN SPACE TEMPERATURE RISES ABOVE SETPOINT, CYCLE FAN OFF AND FULLY CLOSE HEATING COIL CONTROL VALVE.

UNOCCUPIED MODE:

1. UNOCCUPIED TEMPERATURE SETPOINT FOR UH-1, UH-2, UH-4, AND UH-5 SHALL BE 45 DEG F (ADJUSTABLE). UNOCCUPIED SETPOINT FOR UH-3 AND UH-6 THRU UH-27 SHALL BE 58 DEG F (ADJUSTABLE).
2. WHEN SPACE TEMPERATURE FALLS 2 DEG F BELOW SETPOINT, AS SENSED BY PROGRAMMABLE THERMOSTAT, CYCLE FAN ON AND FULLY OPEN HEATING COIL CONTROL VALVE.
3. WHEN SPACE TEMPERATURE RISES ABOVE SETPOINT, CYCLE FAN OFF AND FULLY CLOSE HEATING COIL CONTROL VALVE.

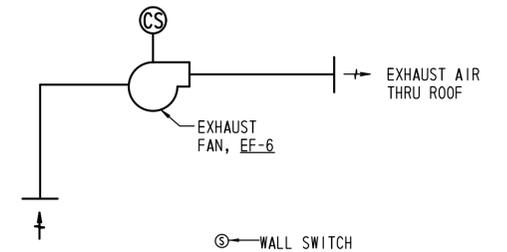


EXHAUST FAN SCHEMATIC (EF-5)
NOT TO SCALE

EXHAUST FAN (EF-5) - SEQUENCE OF OPERATION

GENERAL:

1. EXHAUST FAN EF-5 SHALL BE INTERLOCKED WITH RTU-1.

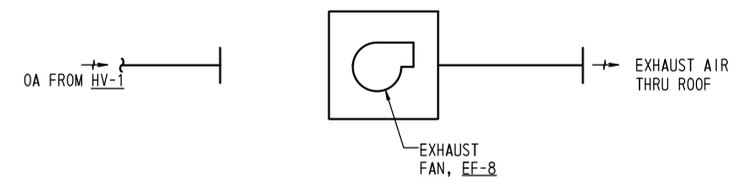


TAILPIPE EXHAUST FAN SCHEMATIC (EF-6 & EF-7)
NOT TO SCALE

TAILPIPE EXHAUST FAN (EF-6 AND EF-7) - SEQUENCE OF OPERATION

GENERAL:

1. SCHEMATIC AND SEQUENCE FOR EF-6 INDICATED, TYPICAL FOR EF-7.
2. EACH EXHAUST FAN SHALL BE CONNECTED TO A PAIR OF EXHAUST HOSE REELS AND A DIRECT MOUNT SWITCH MOUNTED ON THE WALL.
3. DDC SYSTEM SHALL MONITOR EXHAUST FAN STATUS THROUGH CURRENT SENSOR RELAY AND SHALL ALARM UPON DETECTION OF FAN FAILURE.
4. ENERGIZE EXHAUST FAN EF-6 WHEN THE MANUAL FAN SWITCH IS IN THE 'ON' POSITION.
5. STOP EF-6 WHEN MANUAL FAN SWITCH IS IN THE 'OFF' POSITION.



EXHAUST FAN SCHEMATIC (EF-8)
NOT TO SCALE

EXHAUST FAN (EF-8) - SEQUENCE OF OPERATION

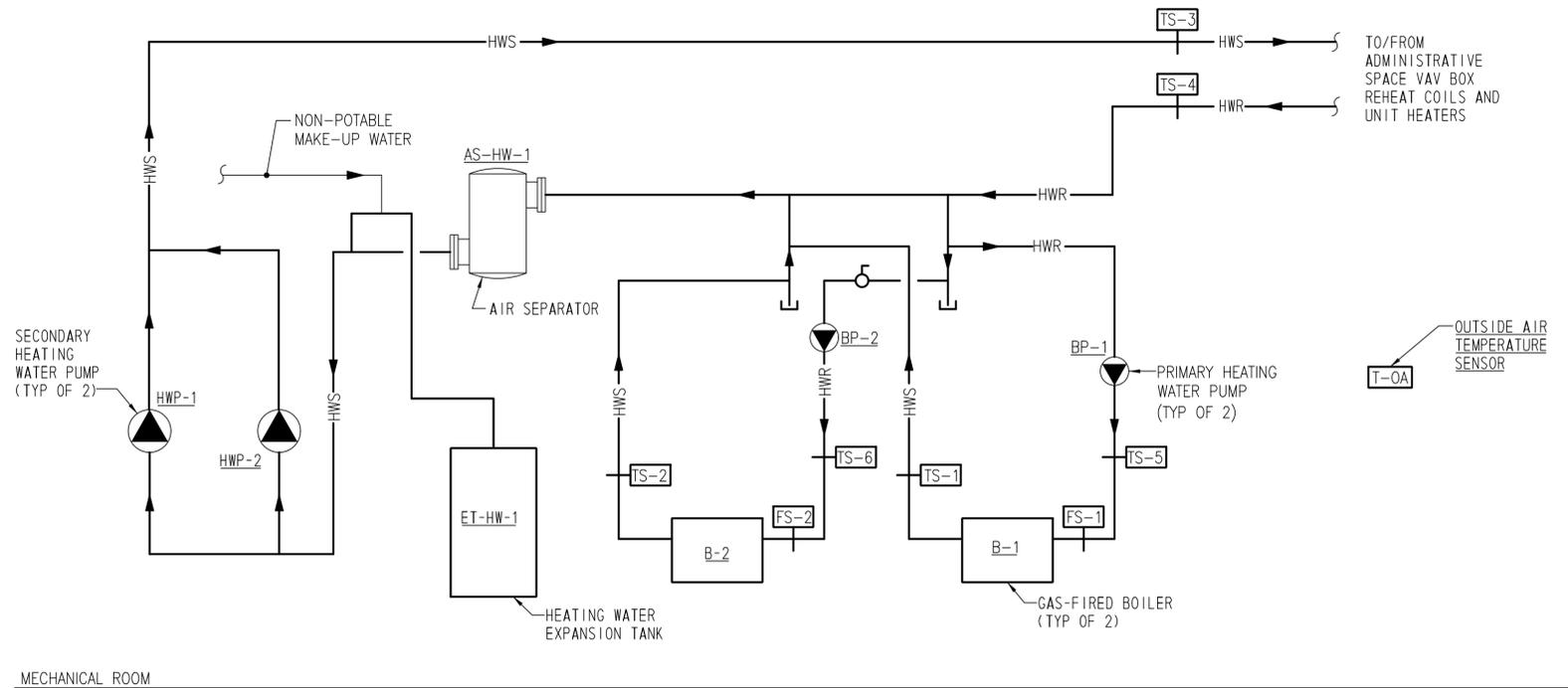
GENERAL:

1. EXHAUST FAN EF-8 SHALL BE INTERLOCKED WITH HV-1.
2. WHEN HV-1 IS DELIVERING 50% SUPPLY AIR VOLUME, EF-8 SHALL BE AT 50% SPEED. WHEN HV-1 IS DELIVERING 100% SUPPLY AIR VOLUME, EF-8 SHALL BE AT 100%.
3. WHEN HV-1 IS DE-ENERGIZED, EF-8 SHALL BE OFF.

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BMS SYSTEM GENERAL NOTES

1. BMS SYSTEM SHALL BE BACNET COMPLIANT. PROVIDE WEB-BASED BROWSER GRAPHIC USER INTERFACE TO ENABLE SYSTEM MONITORING AND CONTROL FROM ANY NETWORK CONNECTED COMPUTER.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY CONTROL DEVICES, TRANSFORMERS, RELAYS, SENSORS, AND WIRING, BOTH LOW AND LINE VOLTAGE, AND ALL OTHER ITEMS REQUIRED FOR A COMPLETE WORKING CONTROLS SYSTEM THAT ACCOMPLISHES THE DESIGN INTENT. SHOULD THE CONTRACTOR NOT BE PROPERLY CERTIFIED FOR PERFORMING LINE VOLTAGE ELECTRICAL WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THIS WORK THROUGH OTHERS WHO POSSESS THE APPROPRIATE CERTIFICATION. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE COORDINATION AND EXECUTION OF THIS WORK.
3. PROVIDE GRAPHICS FOR ALL EQUIPMENT AND SYSTEMS PROVIDED AS PART OF THIS PROJECT. PROVIDE GRAPHIC FOR EACH SPACE SHOWING REAL TIME INFORMATION ON SPACE TEMPERATURES.
4. CONTROL POINTS INDICATED IN THE POINTS LIST AND THEIR ASSOCIATED VALUES SHALL BE DISPLAYED WITH REAL TIME INFORMATION ON THE CENTRAL WORKSTATION GRAPHIC USER INTERFACE.
5. PROVIDE AN EMERGENCY SHUTOFF PUSHBUTTON AT LOCATION INDICATED ON THE DRAWINGS TO DEACTIVATE ALL FANS. THE PUSHBUTTON SHALL BE HARDWIRED TO FANS AND SHALL HAVE A PROTECTIVE FLIP TOP COVER TO PREVENT ACCIDENTAL ACTIVATION. THE SYSTEM SHALL BE MANUALLY RESTARTED THROUGH THE DDC SYSTEM GRAPHIC INTERFACE.
6. WHERE DDC CONTROL PANELS ARE SHOWN ON THE DRAWINGS, PROVIDE MULTIPLE PANELS AS REQUIRED IMPLEMENTING THE SEQUENCE OF OPERATIONS AND PROVIDING REQUIRED CONTROL POINTS. EXTEND POWER WIRING TO DDC CONTROL PANELS FROM NEAREST 120 VOLT PANEL WITH SUITABLE SPARE BREAKERS UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
7. ALARMS SHALL BE INDICATED ON THE GRAPHIC USER INTERFACE. NOTIFICATION SHALL BE IN PLAIN ENGLISH AND SHALL CLEARLY DESCRIBE THE ALARM CONDITION WITHOUT THE NEED FOR ADDITIONAL REFERENCE INFORMATION. FOR EXAMPLE, THE ALARM FOR AN AHU FAN FAILURE SHALL BE "AHU FAN FAILURE." NUMERICAL OR ALPHANUMERICAL ALARMS ARE NOT ACCEPTABLE.



HEATING WATER PLANT PIPING SCHEMATIC
NOT TO SCALE

POINT I.D. #	POINT DESCRIPTION	HEATING WATER SYSTEM CONTROLLER										SHOW ON GRAPHIC	NOTES
		HARDWARE POINTS				SOFTWARE POINTS							
		AI	AO	BI	BO	AV	BV	SCHED	TREND	ALARM			
1	TS-OA, GLOBAL OUTSIDE AIR TEMPERATURE	X										X	PROVIDED THRU BOILER CONTROL PANEL
2	TS-1, BOILER B-1 DISCHARGE TEMPERATURE	X						X	X		X	X	PROVIDED THRU BOILER CONTROL PANEL
3	TS-2, BOILER B-2 DISCHARGE TEMPERATURE	X						X	X		X	X	PROVIDED THRU BOILER CONTROL PANEL
4	TS-3, HWS LOOP TEMPERATURE	X						X			X	X	PROVIDED THRU BOILER CONTROL PANEL
5	TS-4, HWR LOOP TEMPERATURE	X						X			X	X	PROVIDED THRU BOILER CONTROL PANEL
6	BP-1, PRIMARY PUMP STATUS (B-1)			X							X	X	PROVIDED THRU BOILER CONTROL PANEL
7	BP-2, PRIMARY PUMP STATUS (B-2)			X							X	X	PROVIDED THRU BOILER CONTROL PANEL
8	HWP-1, SECONDARY PUMP STATUS			X							X	X	PROVIDED THRU BOILER CONTROL PANEL
9	HWP-2, SECONDARY PUMP STATUS			X							X	X	PROVIDED THRU BOILER CONTROL PANEL
10	BOILER B-1 STATUS			X							X	X	PROVIDED THRU BOILER CONTROL PANEL
11	BOILER B-2 STATUS			X							X	X	PROVIDED THRU BOILER CONTROL PANEL
12	HEATING WATER PLANT ENABLE/DISABLE				X						X	X	

HEATING WATER SYSTEM - SEQUENCE OF OPERATION

GENERAL:

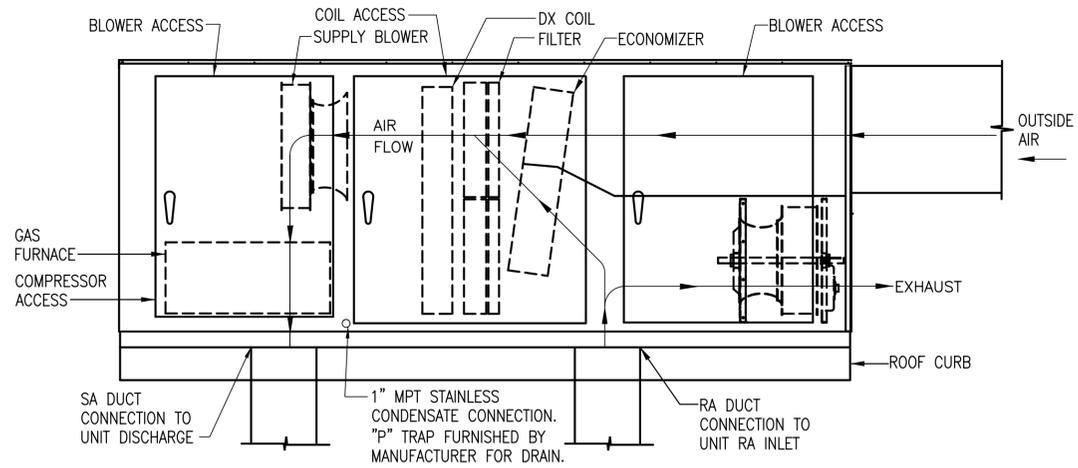
1. SCHEMATIC AND SEQUENCE FOR NORTH BUILDING HEATING WATER SYSTEM (B-1 & B-2), TYPICAL FOR SOUTH BUILDING HEATING WATER SYSTEM (B-3 & B-4).
2. TYPE: CONSTANT VOLUME, PRIMARY/SECONDARY SYSTEM WITH OUTSIDE AIR RESET.
3. SYSTEM OPERATION SHALL BE FULLY AUTOMATIC WITH MANUAL OVERRIDES.
4. HEATING SYSTEM OPERATING STATUS AND SCHEDULES, TEMPERATURE SETPOINTS AND EQUIPMENT ALARM CONDITIONS SHALL BE MONITORED BY THE DDC SYSTEM AND MONITORED/ADJUSTED THROUGH THE PACKAGED CONTROLS SYSTEM PROVIDED BY THE BOILER MANUFACTURER. OPERATOR SHALL BE ABLE TO PERFORM ALL MONITORING AND CONTROL OF THE HEATING WATER SYSTEM DIRECTLY FROM THE DDC PANEL LOCATED IN THE MECHANICAL ROOM.
5. THROUGH THE BOILER CONTROLS, SECONDARY HEATING WATER PUMPS (HWP-1 & HWP-2) SHALL ALTERNATE LEAD PUMP ASSIGNMENT, BASED ON RUNTIME.
6. HEATING WATER TEMPERATURE SHALL BE RESET LINEARLY BASED ON THE FOLLOWING SCHEDULE:

OA TEMP	HWS TEMP
BELOW 20 DEG F	140 DEG F
20 DEG F TO 50 DEG F	INTERPOLATE
50 DEG F AND ABOVE	120 DEG F

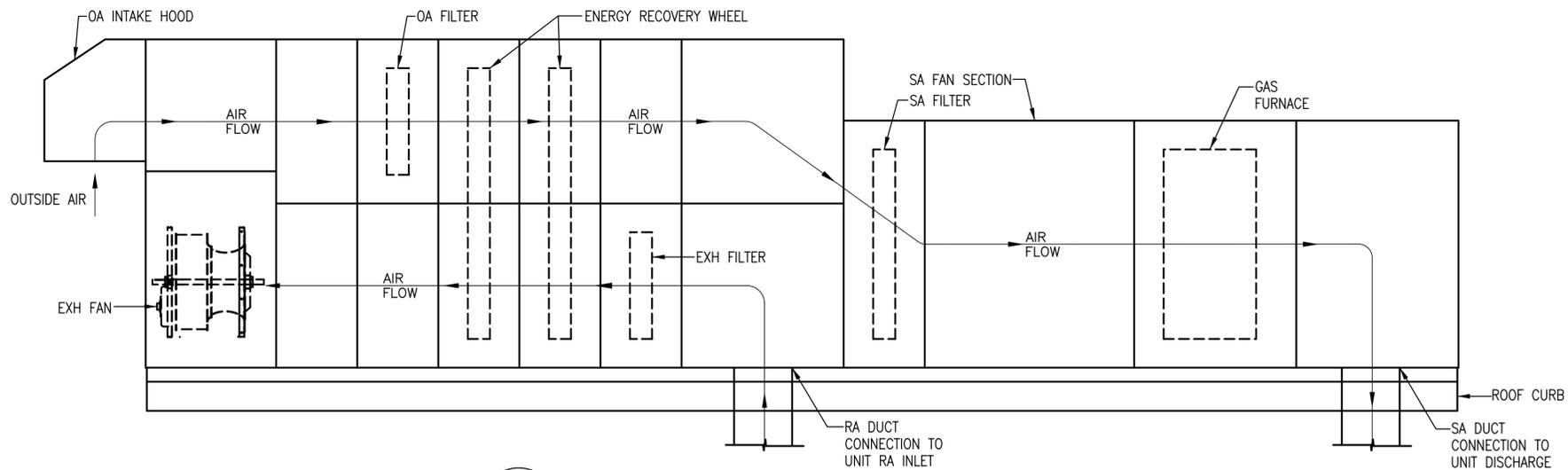
HEATING WATER SYSTEM:

1. UPON A SIGNAL FOR HEATING, THE HEATING WATER SYSTEM SHALL BE ENABLED.
2. ENERGIZE THE PRIMARY HEATING WATER PUMP, BP-1, AND THE LEAD SECONDARY HEATING WATER PUMP. UPON PROOF OF WATER FLOW BY FLOW SWITCH, FS-1, BOILER B-1 SHALL BE ENABLED.
3. IF FS-1 FAILS TO PROVE FLOW, AN ALARM SHALL BE SIGNALLED, AND THE STANDBY PUMP SHALL BE STARTED. UPON A FURTHER FAILURE TO PROVE FLOW AT THE FLOW SWITCH, THE HEATING WATER SYSTEM SHALL BE SHUT DOWN AND A FAILURE ALARM SHALL BE INITIATED.
4. BOILER PACKAGED CONTROLS SHALL MODULATE BOILER OUTPUT TO MAINTAIN HEATING WATER SUPPLY WATER TEMPERATURE AS SENSED BY TS-3 IN ACCORDANCE WITH OUTSIDE AIR RESET SCHEDULE.

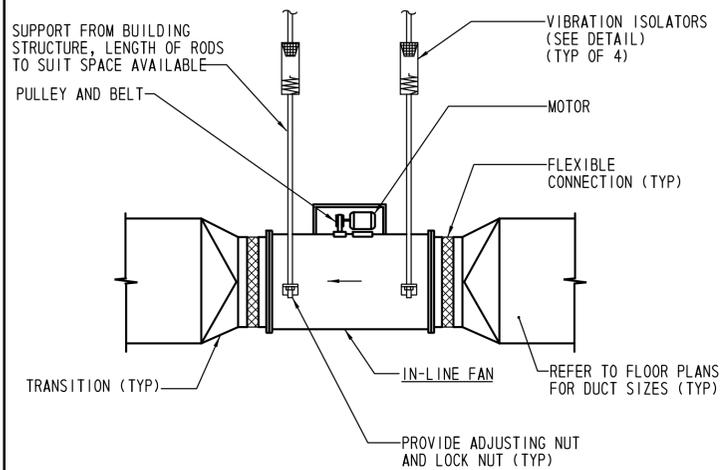
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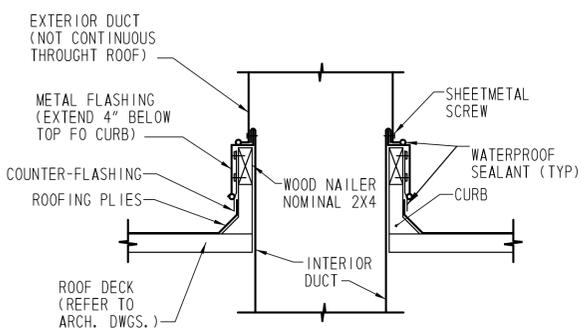
1 ROOFTOP AIR HANDLING UNIT (RTU-1)
M-601 SCALE: NOT TO SCALE



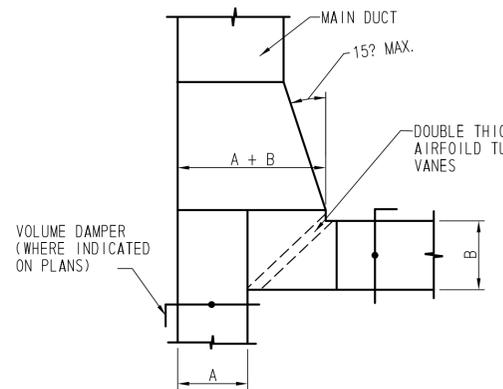
2 HEATING & VENTILATING UNIT (HV-1)
M-601 SCALE: NOT TO SCALE



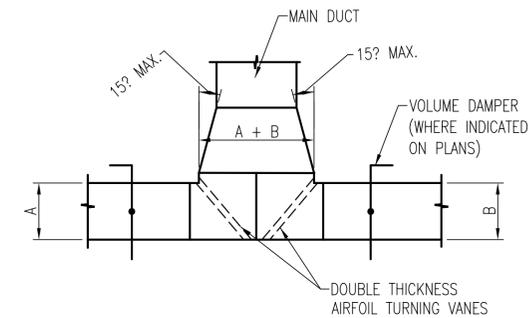
3 CENTRIFUGAL IN-LINE FAN
M-601 SCALE: NOT TO SCALE



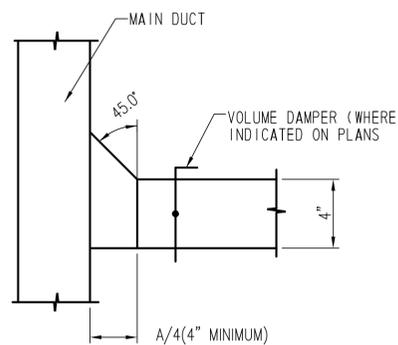
4 DUCT PENETRATION THRU ROOF
M-601 SCALE: NOT TO SCALE



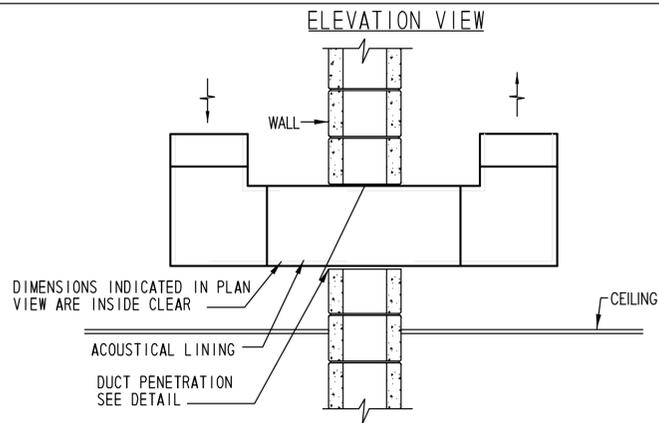
5 MAJOR DUCT BRANCH
M-601 SCALE: NOT TO SCALE



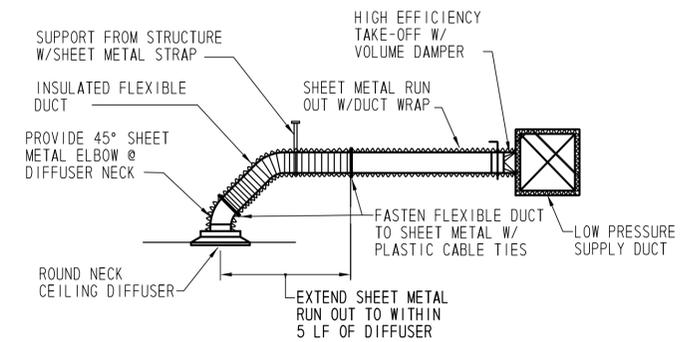
6 RECTANGULAR ELBOW DUCT TEE
M-601 SCALE: NOT TO SCALE



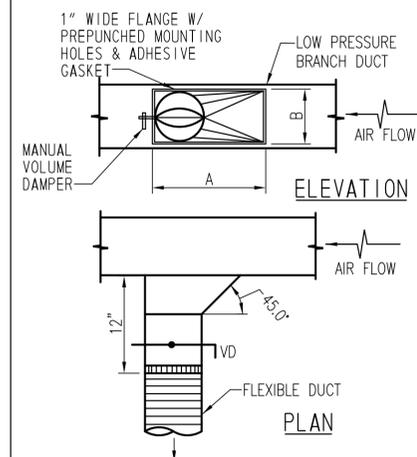
7 MINOR DUCT BRANCH
M-601 SCALE: NOT TO SCALE



8 DUCTED TRANSFER DETAIL
M-601 SCALE: NOT TO SCALE



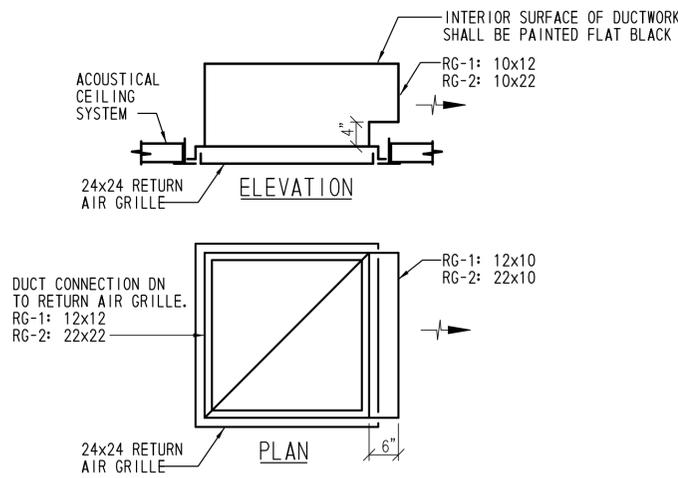
9 BRANCH DUCT - ROUND NECK DIFFUSER
M-601 SCALE: NOT TO SCALE



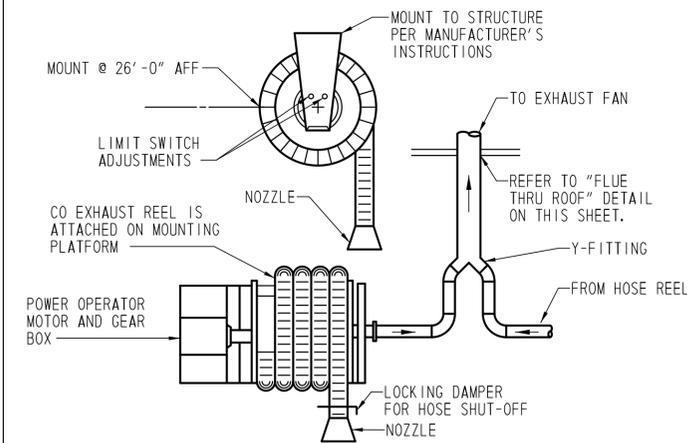
10 HIGH EFFICIENCY TAKEOFFS
M-601 SCALE: NOT TO SCALE

SCHEDULES		
NECK SIZE	DUCT OPENING A X B	MINIMUM BRANCH DUCT DEPTH
6"	9"X5"	6"
8"	12"X6"	8"
10"	14"X8"	10"
12"	16"X10"	12"

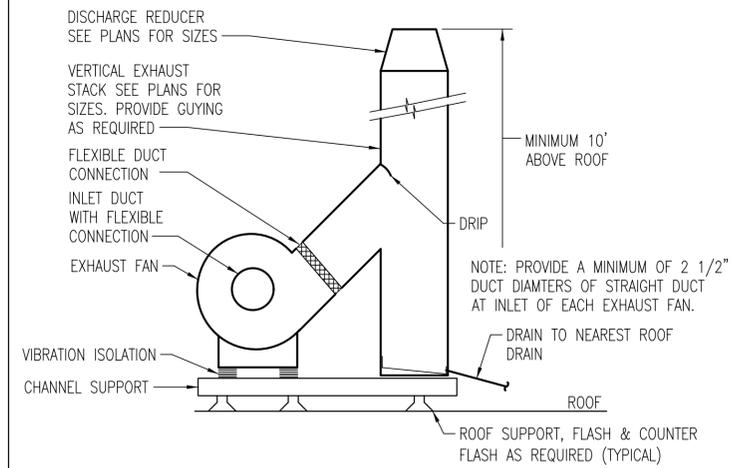
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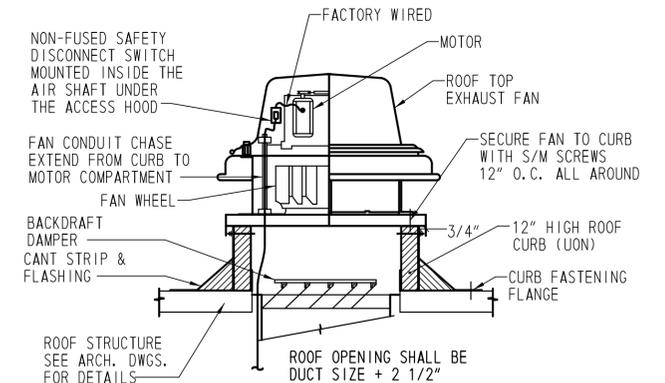
1 PLENUM RETURN AIR GRILLE
M-602 SCALE: NOT TO SCALE



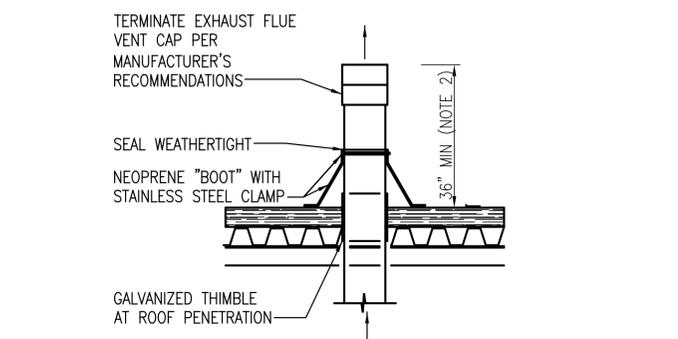
2 CARBON MONOXIDE EXHAUST REEL
M-602 SCALE: NOT TO SCALE



3 UTILITY EXHAUST FAN
M-602 SCALE: NOT TO SCALE

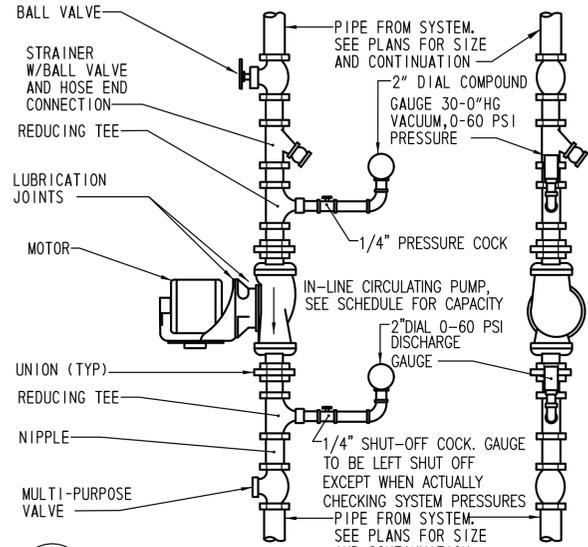


4 ROOF MOUNTED EXHAUST FAN
M-602 SCALE: NOT TO SCALE

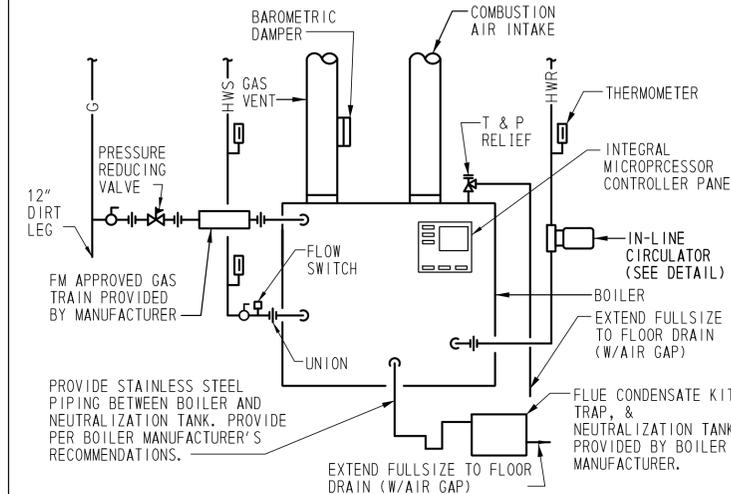


- NOTES:
1. INSTALL ALL FLUES IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
 2. MINIMUM DISTANCE ALLOWS FOR 18" SNOW ACCUMULATION.
 3. DETAIL APPLIES TO BOILER AND WATER HEATER FLUES, PARTS WASHER EXHAUST FLUE, AND POWER WASHER EXHAUST FLUE.
 4. VENT CAP SHALL NOT BE LESS THAN 36" ABOVE THE HIGHEST POINT OF THE ROOF PENETRATION OR 24" ABOVE ANY VERTICAL WALL OR SIMILAR OBSTRUCTION WITHIN 10' HORIZONTALLY.

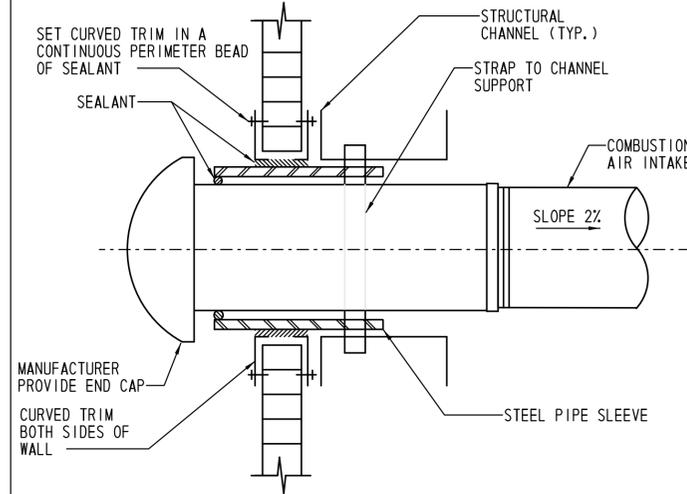
5 FLUE THRU ROOF
M-602 SCALE: NOT TO SCALE



6 IN-LINE PUMP
M-602 SCALE: NOT TO SCALE

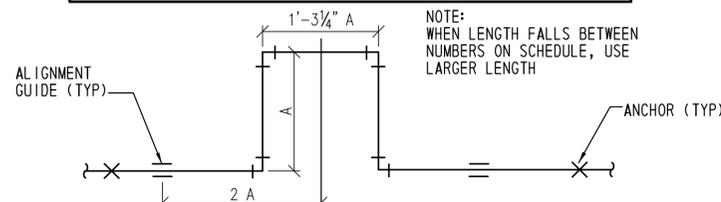


7 GAS-FIRED CONDENSING BOILER
M-602 SCALE: NOT TO SCALE

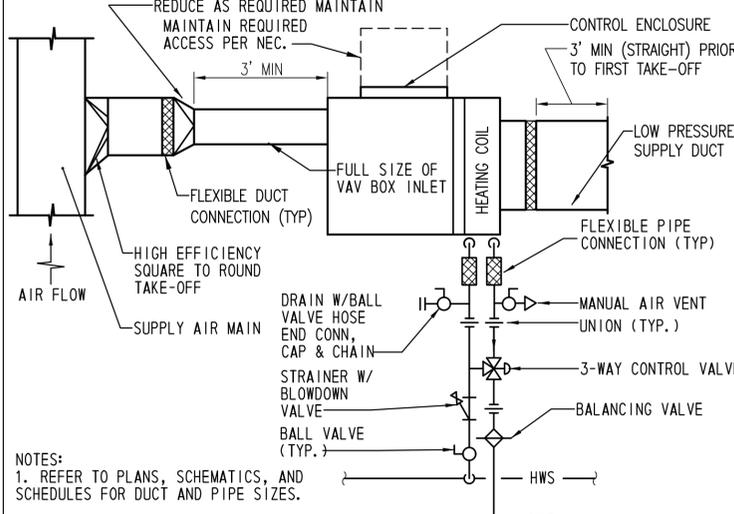


8 COMBUSTION AIR INTAKE
M-602 SCALE: NOT TO SCALE

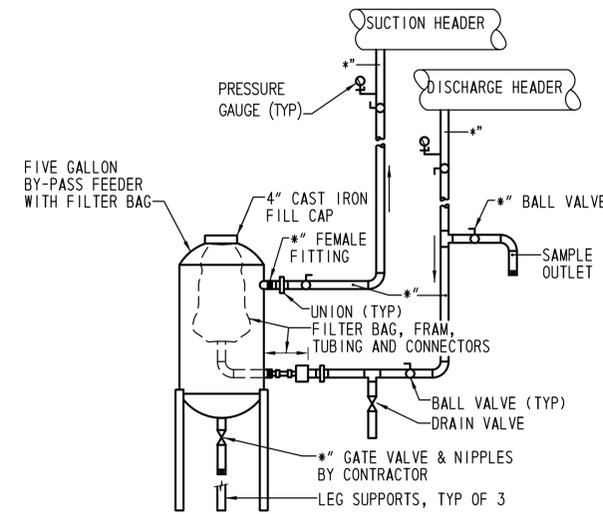
LENGTH BETWEEN ANCHORS IN FEET	PIPE SIZES									
	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"
	"A" IN INCHES									
50	36	48	48	60	60	60	60	72	84	96
100	48	60	60	72	72	66	72	84	102	120
150	60	72	78	84	90	84	90	102	120	144
200	72	78	90	96	102	96	102	120	144	168



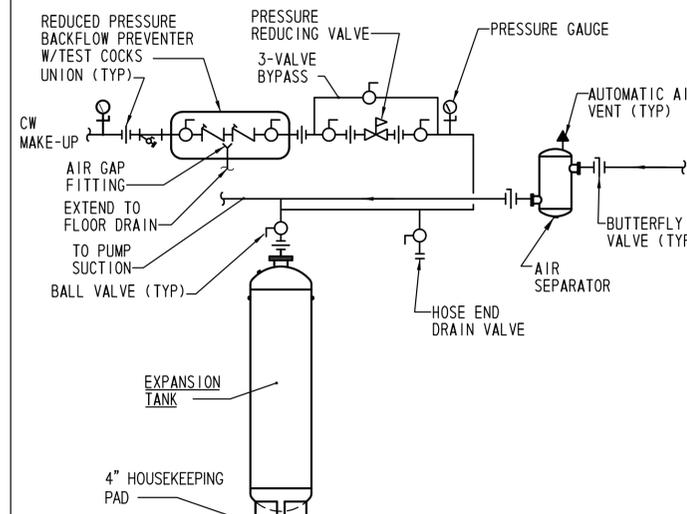
9 TYPICAL EXPANSION LOOP
M-602 SCALE: NOT TO SCALE



10 VAV BOX W/ HOT WATER REHEAT
M-602 SCALE: NOT TO SCALE

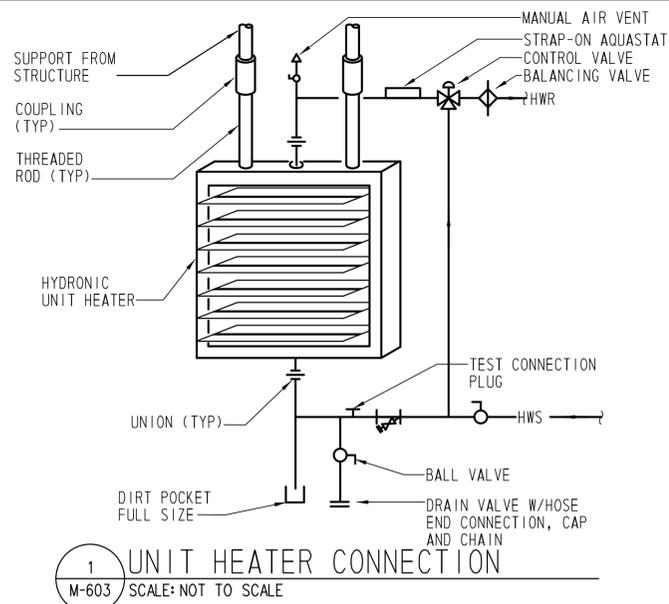


11 BY-PASS FEEDER CONNECTIONS
M-602 SCALE: NOT TO SCALE

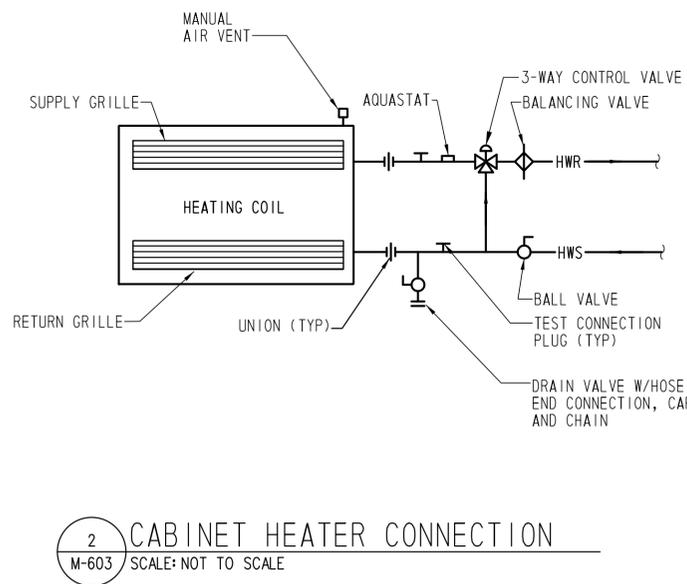


12 MAKE-UP WATER CONNECTION
M-602 SCALE: NOT TO SCALE

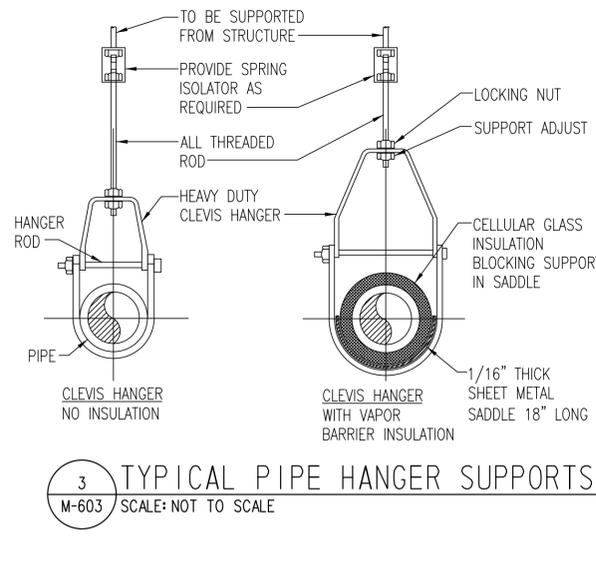
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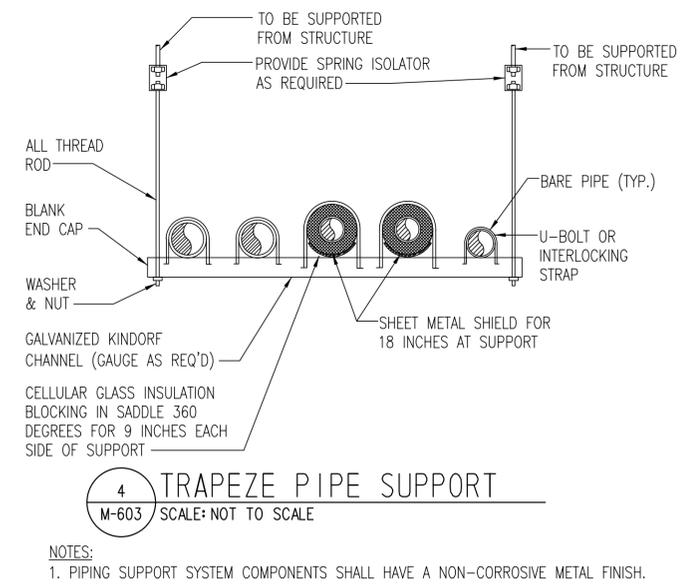
1 UNIT HEATER CONNECTION
M-603 SCALE: NOT TO SCALE



2 CABINET HEATER CONNECTION
M-603 SCALE: NOT TO SCALE

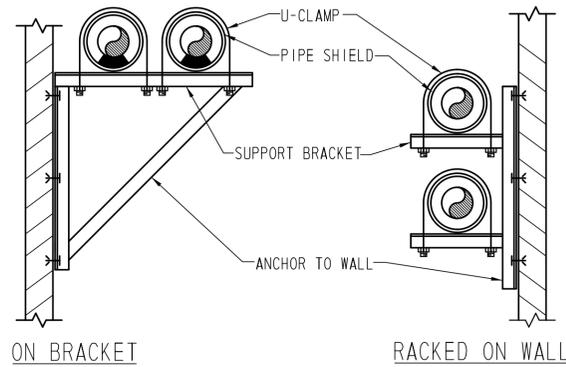


3 TYPICAL PIPE HANGER SUPPORTS
M-603 SCALE: NOT TO SCALE

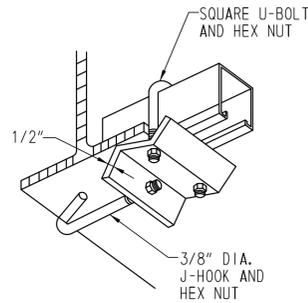


4 TRAPEZE PIPE SUPPORT
M-603 SCALE: NOT TO SCALE

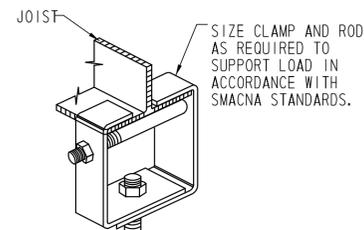
NOTES:
1. PIPING SUPPORT SYSTEM COMPONENTS SHALL HAVE A NON-CORROSIVE METAL FINISH.
2. COPPER PIPING SHALL BE PROTECTED FROM CONTACT W/DISSIMILAR METALS.



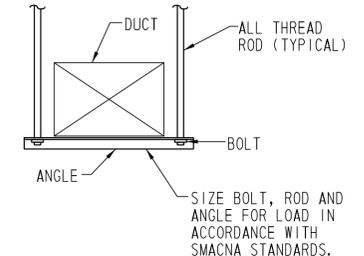
5 PIPE SUPPORT - DETAIL
M-603 SCALE: NOT TO SCALE



6 CHANNEL CLAMPED TO JOIST
M-603 SCALE: NOT TO SCALE

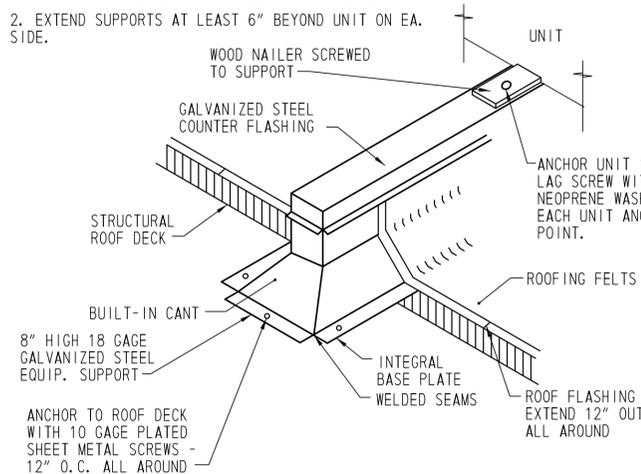


7 DUCT HANGER ATTACHMENT TO JOIST
M-603 SCALE: NOT TO SCALE

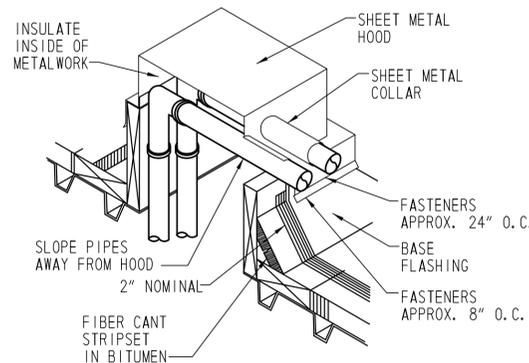


8 LOWER DUCT ATTACHMENT
M-603 SCALE: NOT TO SCALE

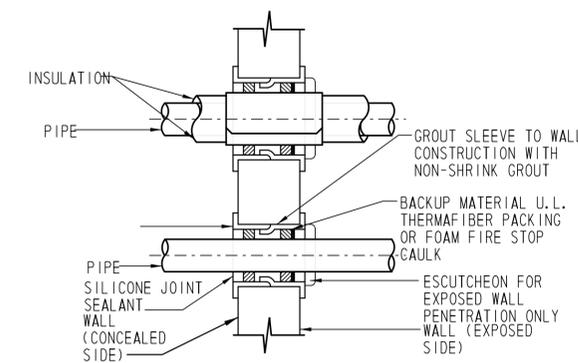
NOTES:
1. EQUIPMENT SUPPORTS SHALL REST ON STRUCTURAL ROOF DECK. PROVIDE RAISED CANT TO ACCOMMODATE ROOF INSULATION THICKNESS.
2. EXTEND SUPPORTS AT LEAST 6" BEYOND UNIT ON EA. SIDE.



9 ROOF EQUIPMENT SUPPORT
M-603 SCALE: NOT TO SCALE

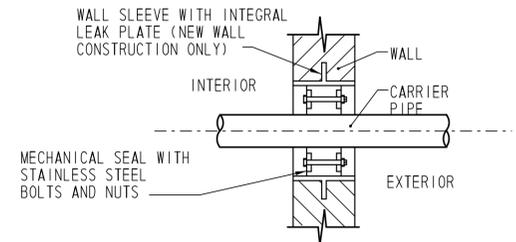


10 MULTIPLE PIPING THRU ROOF DECK
M-603 SCALE: NOT TO SCALE



NOTES:
1. AT THE CONTRACTORS' OPTION A U.L. LISTED/APPROVED FIRE STOP PIPE SLEEVE ASSEMBLY MAY BE SUBMITTED FOR APPROVAL.
2. FOR EXISTING POURED CONCRETE WALLS, CORE DRILLED OPENINGS DO NOT REQUIRE PIPE SLEEVES.

11 PIPE SLEEVE THRU WALL
M-603 SCALE: NOT TO SCALE



12 EXTERIOR WALL SLEEVE
M-603 SCALE: NOT TO SCALE

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ROOFTOP AIR HANDLING UNIT SCHEDULE

UNIT ID	AREA SERVED	LOCATION	SUPPLY FAN						EXHAUST FAN				COOLING COIL (DX)					HEATING (NATURAL GAS)					SA FILTERS				ELECTRICAL				BASIS OF DESIGN
			MAX CFM	MIN CFM	MIN OA CFM	ESP (IN. WG)	FAN RPM	MOTOR HP	MAX CFM	ESP (IN. WG)	FAN RPM	MOTOR HP	EAT DB/WB (F)	UNIT LAT DB (F)	SENSIBLE (MBH)	TOTAL (MBH)	FACE VELOCITY (FFPM)	HEATING CFM	EAT (F)	LAT (F)	INPUT CAPACITY (MBH)	OUTPUT CAPACITY (MBH)	THICK (IN.)	EFF. (%)	TYPE	MCA	MOCF	VOLTS/PH/Hz	EER		
RTU-1	NORTH BUILDING	ROOF	3,800	1,140	830	2.00	1454	4.00	2,970	0.50	1558	4.00	81/65.3	55	124.4	171.0	250.0	3,800	60	80	102.6	82.1	2"	30	PLEATED	36.4	45	480/3/60	10.9	DAIKIN McQUAY DPS015A	

NOTES:

1. ROOFTOP UNIT SHALL BE PROVIDED WITH AN AIRSIDE ECONOMIZER.
2. PROVIDE VARIABLE FREQUENCY DRIVES FOR SUPPLY AND EXHAUST FAN MOTORS.
3. REFRIGERANT CIRCUITS SHALL BE CHARGED WITH R-410A REFRIGERANT.
4. SINGLE POINT ELECTRICAL CONNECTION.
5. NOMINAL BUILDING NATURAL GAS PRESSURE IS 2 PSI. PROVIDE GAS PRESSURE REGULATOR AT UNIT.

HEATING AND VENTILATING UNIT SCHEDULE

UNIT ID	SERVING	SUPPLY FAN						EXHAUST FAN						ENERGY RECOVERY WHEEL	GAS FURNACE				FILTERS (NOTE 5)				ELECTRICAL			BASIS OF DESIGN					
		CFM		TSP (IN. WG)	ESP (IN. WG)	FAN TYPE	MOTOR		CFM		TSP (IN. WG)	ESP (IN. WG)	FAN TYPE		MOTOR		HEATING CFM	INPUT CAPACITY (MBH)	OUTPUT CAPACITY (MBH)	GAS PRESSURE (IN. W.C.)		EAT (F)	LAT (F)	EFF. (%)	THICK (IN.)		TYPE	MCA	MOCF	VOLTS/PH	MAX OPERATING WEIGHT (LB)
		MAX	MIN				HP	VOLTS/PH	MAX	MIN					HP	VOLTS/PH				MIN	MAX										
HV-1	SOUTH BUILDING	17,080	8,540	2.7	0.5	DWDI	15	480/3	12,905	6,450	1.10	0.5	SWSI	5	480/3	ERW-HV1	17,080	1250	1000	7	14	14	68	30	2	FLAT	30.4	45	480/3	15,500	McQUAY APPLIED MODEL RAH

NOTES:

1. PROVIDE VARIABLE FREQUENCY DRIVES FOR SUPPLY AND EXHAUST FAN MOTORS AND ENERGY RECOVERY WHEEL MOTOR.
2. SINGLE POINT ELECTRICAL CONNECTION.
3. PROVIDE UNIT WITH INTEGRAL ENERGY RECOVERY WHEEL. REFER TO SCHEDULE.
4. NOMINAL BUILDING NATURAL GAS PRESSURE IS 2 PSI. PROVIDE GAS PRESSURE REGULATOR AT UNIT.
5. APPLIES TO ALL THREE FILTERS.

AIR FLOW MONITORING STATION SCHEDULE

UNIT ID	SERVES	AIRFLOW (CFM)	MIN AIR TEMP (F)	BASIS OF DESIGN
AMS-OA-RTU	RTU-1 OUTDOOR AIR	830	0	EBTRON GOLD
AMS-OA-HV1	HV-1 OUTDOOR AIR	17,080	0	EBTRON GOLD

NOTES:

1. PROVIDED BY UNIT MANUFACTURER.

AIR FLOW BALANCE SCHEDULE

UNIT ID	SUPPLY AIR (CFM)	RETURN AIR (CFM)	OUTSIDE AIR (CFM)	EXHAUST AIR (CFM)	EQUIPMENT EXHAUST AIR (CFM)	RELIEF AIR (CFM)	AIR PRESSURE (CFM)	NOTES
RTU-1	3,800	2970	830	680	0	0	150	---
HV-1	17,080	0	17,080	12,905	2725	0	1450	---

DESIGN CONDITIONS SCHEDULE

ROOM DESCRIPTION	OUTSIDE DESIGN CONDITIONS				OCCUPIED HOURS				UNOCCUPIED HOURS			
	SUMMER		WINTER		SUMMER		WINTER		SUMMER		WINTER	
	DB (F)	WB (F)	DB (F)	WB (F)	DB (F)	% RH	DB (F)	% RH	DB (F)	% RH	DB (F)	% RH
MAINTENANCE BAYS	95	78	0	0	AMBIENT	AMBIENT	68	-	AMBIENT	-	58	-
VESTIBULE 103	95	78	0	0	75	50	70	-	85	-	60	-
OTHER VESTIBULES	95	78	0	0	AMBIENT	AMBIENT	65	-	AMBIENT	-	55	-
MECHANICAL/ELECTRICAL ROOMS	95	78	0	0	AMBIENT	AMBIENT	60	-	AMBIENT	-	50	-
OFFICE SPACES	95	78	0	0	75	50	70	50	85	-	60	-

ENERGY RECOVERY WHEEL SCHEDULE

UNIT ID	LOCATION	SUPPLY AIR				EXHAUST AIR			EFFECTIVENESS		
		CFM	WINTER EAT (DB)	WINTER LAT (DB)	MAX APD (IN WC)	CFM	WINTER EAT (DB)	WINTER LAT (DB)	TOTAL	SENSIBLE	MAX. APD (IN WC)
ERW-HV1	HV-1	17,080	0/0	32.9/32.9	1.8	12,905	68	----	0.75	0.74	0.75

NOTES:

1. PROVIDE VFD FOR ENERGY RECOVERY WHEEL. FURNISHED AND INSTALLED BY UNIT MANUFACTURER.

AIR DEVICE SCHEDULE

UNIT ID	SERVICE	MOUNTING	NECK SIZE (IN)	FACE SIZE (IN)	CFM RANGE	MAX. APD (IN. WG)	NC	BASIS OF DESIGN	DESCRIPTION
SD-1	SUPPLY DIFFUSER	LAY-IN	6	24x24	0 - 170	0.10	30	TITUS DAT	PLAQUE FACE WITH 2 SLOTS
	SUPPLY DIFFUSER	LAY-IN	8	24x24	175 - 300	0.10	30	TITUS DAT	PLAQUE FACE WITH 2 SLOTS
	SUPPLY DIFFUSER	LAY-IN	10	24x24	305 - 430	0.10	30	TITUS DAT	PLAQUE FACE WITH 2 SLOTS
SG-1	SUPPLY GRILLE	SURFACE	8x8	8x8	0 - 250	0.10	25	TITUS 300RL	DOUBLE DEFLECTION, 3/4" SPACING, FRONT BLADES AT 35 DEG
RD-1	RETURN DIFFUSER	LAY-IN	12x12	24x24	0-400	0.06	15	TITUS PAR	PERFORATED
RD-2	RETURN DIFFUSER	LAY-IN	22x22	24x24	405-1340	0.06	20	TITUS PAR	PERFORATED
EG-1	EXHAUST GRILLE	SURFACE/DUCT	6x6	6x6	0-130	0.10	25	TITUS 350RL	STEEL, 3/4" SPACING, 35 DEG FIXED DEFLECTION
	EXHAUST GRILLE	SURFACE/DUCT	8x8	8x8	135-260	0.10	25	TITUS 350RL	STEEL, 3/4" SPACING, 35 DEG FIXED DEFLECTION
	EXHAUST GRILLE	SURFACE/DUCT	10x10	10x10	265-410	0.10	25	TITUS 350RL	STEEL, 3/4" SPACING, 35 DEG FIXED DEFLECTION
	EXHAUST GRILLE	SURFACE/DUCT	36x14	36x14	415-2015	0.10	25	TITUS 350RL	STEEL, 3/4" SPACING, 35 DEG FIXED DEFLECTION
EG-2	TRANSFER GRILLE	SURFACE	18x12	18x12	----	0.05	20	TITUS 350RL	STEEL, 3/4" SPACING, 35 DEG FIXED DEFLECTION
EG-3	EXHAUST GRILLE	SURFACE	6x6	6x6	----	0.10	20	TITUS 350RL	ALUMINUM, 3/4" SPACING, 35 DEG FIXED DEFLECTION
EG-4	TRANSFER GRILLE	SURFACE	12x8	12x8	----	0.05	15	TITUS 350RL	STEEL, 3/4" SPACING, 35 DEG FIXED DEFLECTION
DL-1	SUPPLY GRILLE	DUCT	9x6	9x6	0-180	0.10	25	TITUS DL	ALUMINUM DRUM LOUVER
	SUPPLY GRILLE	DUCT	20x10	20x10	180-730	0.10	25	TITUS DL	ALUMINUM DRUM LOUVER
	SUPPLY GRILLE	DUCT	50x10	50x10	735-2150	0.10	25	TITUS DL	ALUMINUM DRUM LOUVER

VAV BOX SCHEDULE

UNIT ID	AREA SERVED	BOX INLET DIA. (IN)	SP LOSS (IN)	AIR FLOW		HEATING CFM	CAPACITY (MBH)	EAT (F)	LAT (F)	HEATING COIL						BASIS OF DESIGN
				MAX	MIN COOLING					MAX APD (IN W.G.)	EWT (F)	LWT (F)	FLOW (GPM)	ROWS	MAX WPD (FT)	
VAV-1.01	101 - SECURITY/POOL	6	0.5	320	100	140	6.1	55	95	0.25	140	120	0.9	2	2.0	TITUS DESV
VAV-1.02	102 - COUNTING ROOM & 103 - VESTIBULE	6	0.5	380	115	130	5.6	55	95	0.25	140	120	0.8	2	2.0	TITUS DESV
VAV-1.03	104 - MENS LOCKER & 105 - WOMENS LOCKER	4	0.5	180	55	100	4.3	55	94	0.25	140	120	0.6	2	2.0	TITUS DESV
VAV-1.04	109 - UNIFORM CLOSET & 110 - LOCKER ROOM	6	0.5	240	80	80	3.1	55	91	0.25	140	120	0.5	2	2.0	TITUS DESV
VAV-1.05	111 - KITCHENETTE & 115 - VENDING	8	0.5	570	170	170	5.5	55	85	0.25	140	120	0.8	2	2.0	TITUS DESV
VAV-1.06	112 - DRIVER READY	8	0.5	720	220	220	7.1	55	85	0.25	140	120	1.1	2	2.0	TITUS DESV
VAV-1.07	112 - DRIVER READY	12	0.5	1470	440	440	18.4	55	94	0.25	140	120	2.8	2	2.0	TITUS DESV
VAV-1.08	113 - DISPATCH OPERATIONS	6	0.5	430	130	130	5.1	55	91	0.25	140	120	0.8	2	2.0	TITUS DESV
VAV-1.09	114 - SUPERVISOR	6	0.5	245	80	80	2.6	55	84	0.25	140	120	0.4	2	2.0	TITUS DESV

ADDENDUMS / REVISIONS

**DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY**

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: TLP
	CHECKED BY: CEH

**MECHANICAL
SCHEDULES**

M-701

SHEET NO.

134

TOTAL SHTS.

185

PUMP SCHEDULE										
UNIT ID	SERVICE	LOCATION	TYPE	CAPACITY		ELECTRICAL DATA			BASIS OF DESIGN	NOTES
				GPM	HEAD (FT)	HP	RPM	VOLTS/PH		
HWP-1	HEATING WATER	MECHANICAL 118	IN-LINE	30.4	24	1/2	1750	120/1	BELL & GOSSETT SERIES 60	SECONDARY PUMP
HWP-2	HEATING WATER	MECHANICAL 118	IN-LINE	30.4	24	1/2	1750	120/1	BELL & GOSSETT SERIES 60	SECONDARY PUMP
HWP-3	HEATING WATER	MECHANICAL 204	IN-LINE	40.7	36	1	1725	480/3	BELL & GOSSETT SERIES 90	SECONDARY PUMP
HWP-4	HEATING WATER	MECHANICAL 204	IN-LINE	40.7	36	1	1725	480/3	BELL & GOSSETT SERIES 90	SECONDARY PUMP
BP-1	BOILER PRIMARY PUMP	MECHANICAL 118	IN-LINE	12	5	1/6	3300	120/1	-----	PRIMARY PUMP, NOTE 1
BP-2	BOILER PRIMARY PUMP	MECHANICAL 118	IN-LINE	12	5	1/6	3300	120/1	-----	PRIMARY PUMP, NOTE 1
BP-3	BOILER PRIMARY PUMP	MECHANICAL 204	IN-LINE	19.6	7	1/6	3300	120/1	-----	PRIMARY PUMP, NOTE 1
BP-4	BOILER PRIMARY PUMP	MECHANICAL 204	IN-LINE	19.6	7	1/6	3300	120/1	-----	PRIMARY PUMP, NOTE 1

- NOTES:
1. BOILER PRIMARY PUMP TO BE FURNISHED BY BOILER MANUFACTURER.

EXPANSION TANK SCHEDULE							
UNIT ID	SERVICE	TYPE	TANK VOLUME (GALLONS)	ACCEPTANCE VOLUME (GALLONS)	PRESSURE		BASIS OF DESIGN
					PRECHARGE (PSI)	MAX. OPER.	
ET-1	HEATING WATER	BLADDER	4	0.6	11.9	100	TACO CBX
ET-2	HEATING WATER	BLADDER	4	1.6	11.9	100	TACO CBX

- NOTES:
1. SYSTEM PRV SETTING SHALL BE EQUAL TO PRECHARGE PRESSURE.
2. SYSTEM RELIEF VALVE SETTING SHALL BE EQUAL TO MAX. OPERATING PRESSURE.

AIR SEPARATOR SCHEDULE						
UNIT ID	FLOW RATE (GPM)	SERVICE	SIZE		MAX. WPD (FT)	REMARKS
			DIA (IN)	HEIGHT (IN)		
AS-1	30.4	HEATING WATER	10.75	27	2.5	BELL & GOSSETT ROLAIRTROL
AS-2	40.6	HEATING WATER	10.75	27	2.5	BELL & GOSSETT ROLAIRTROL

BOILER SCHEDULE																
UNIT ID	SERVICE	LOCATION	FUEL	INPUT (MBH)	CAPACITY	GAS PRESSURE (IN. W.C.)		EWT (F)	LWT (F)	FLOW RATE (GPM)	MAX. WPD (FT)	THERMAL EFF. (%)	ELECTRICAL DATA		BASIS OF DESIGN	
						MIN	MAX						FLA	VOLTS/PH		
B-1	HEATING HOT WATER - OFFICE SYSTEM	MECHANICAL 118	NATURAL GAS	180	165	8	14	120	150	12	1.5	92	1.5	120/1	LOCHINVAR KNIGHT MODEL WHN	
B-2	HEATING HOT WATER - OFFICE SYSTEM	MECHANICAL 118	NATURAL GAS	180	165	8	14	120	150	12	1.5	92	1.5	120/1	LOCHINVAR KNIGHT MODEL WHN	
B-3	HEATING HOT WATER - MAINT. SYSTEM	MECHANICAL 204	NATURAL GAS	295	271	8	14	120	150	19.6	2.5	92	1.5	120/1	LOCHINVAR KNIGHT MODEL WHN	
B-4	HEATING HOT WATER - MAINT. SYSTEM	MECHANICAL 204	NATURAL GAS	295	271	8	14	120	150	19.6	2.5	92	1.5	120/1	LOCHINVAR KNIGHT MODEL WHN	

- NOTES:
1. PROVIDE NEUTRALIZATION TANK FOR EACH BOILER.
2. NOMINAL BUILDING NATURAL GAS PRESSURE IS 2 PSI.

UNIT HEATER SCHEDULE																
UNIT ID	LOCATION	MOUNTING/STYLE	HEAT SOURCE	CAPACITY (MBH)	EWT (F)	LWT (F)	GPM	MAX. WPD (FT)	AIR FLOW			ELECTRICAL DATA			BASIS OF DESIGN	REMARKS
									CFM	EAT (F)	LAT (F)	HP	MCA	VOLTS/PH		
UH-1	ELECTRICAL 116	HORIZONTAL	HOT WATER	6.0	140	120	0.6	5	350	60	80.9	16 W	1	120/1	TRANE S SERIES	----
UH-2	MECHANICAL 118	HORIZONTAL	HOT WATER	13.3	140	120	1.3	5	550	60	87.4	1/20	1.8	120/1	TRANE S SERIES	----
UH-3	GFI SHOP 203	HORIZONTAL	HOT WATER	3.9	140	120	0.4	5	210	60	77.2	16 W	1	120/1	TRANE S SERIES	----
UH-4	ELECTRICAL 202	HORIZONTAL	HOT WATER	9.7	140	120	1.0	5	450	60	80.0	16 W	1	120/1	TRANE S SERIES	----
UH-5	MECHANICAL 204	HORIZONTAL	HOT WATER	8.2	140	120	0.8	5	380	60	80.0	16 W	1	120/1	TRANE S SERIES	----
UH-6	FLOOR EQUIPMENT 205	HORIZONTAL	HOT WATER	9.7	140	120	1.0	5	450	60	80.0	16 W	1	120/1	TRANE S SERIES	----
UH-7	TOOL BOX STORAGE 210	HORIZONTAL	HOT WATER	3.9	140	120	0.4	5	210	60	77.2	16 W	1	120/1	TRANE S SERIES	----
UH-8	MACHINE/TIRE SHOP 211	HORIZONTAL	HOT WATER	8.2	140	120	0.8	5	380	60	80.0	16 W	1	120/1	TRANE S SERIES	----
UH-9	TIRE STORAGE 212	HORIZONTAL	HOT WATER	8.2	140	120	0.8	5	380	60	80.0	16 W	1	120/1	TRANE S SERIES	----
UH-10	LUBE/COMPRESSOR 215	HORIZONTAL	HOT WATER	22.3	140	120	2.2	5	900	60	82.9	1/20	1.8	120/1	TRANE S SERIES	----
UH-11	STORE ROOM 216	HORIZONTAL	HOT WATER	3.9	140	120	0.4	5	210	60	77.2	16 W	1	120/1	TRANE S SERIES	----
UH-12	STORE ROOM 216	HORIZONTAL	HOT WATER	27.2	140	120	2.7	5	1100	60	82.9	1/20	1.8	120/1	TRANE S SERIES	----
UH-13	STORE ROOM 216	HORIZONTAL	HOT WATER	27.2	140	120	2.7	5	1100	60	82.9	1/20	1.8	120/1	TRANE S SERIES	----
UH-14	STORE ROOM 216	HORIZONTAL	HOT WATER	3.9	140	120	0.4	5	210	60	77.2	16 W	1	120/1	TRANE S SERIES	----
UH-15	CORRIDOR 220	HORIZONTAL	HOT WATER	3.9	140	120	0.4	5	210	60	77.2	16 W	1	120/1	TRANE S SERIES	----
UH-16	MAINTENANCE BAY 217	HORIZONTAL	HOT WATER	8.2	140	120	0.8	5	380	60	80.0	16 W	1	120/1	TRANE S SERIES	----
UH-17	MAINTENANCE BAY 217	HORIZONTAL	HOT WATER	3.9	140	120	0.4	5	210	60	77.2	16 W	1	120/1	TRANE S SERIES	----
UH-18	MAINTENANCE BAY 217	HORIZONTAL	HOT WATER	3.9	140	120	0.4	5	210	60	77.2	16 W	1	120/1	TRANE S SERIES	----
UH-19	MAINTENANCE BAY 217	HORIZONTAL	HOT WATER	26.0	140	120	2.6	5	950	60	85.3	1/20	1.8	120/1	TRANE S SERIES	----
UH-20	MAINTENANCE BAY 217	HORIZONTAL	HOT WATER	26.0	140	120	2.6	5	950	60	85.3	1/20	1.8	120/1	TRANE S SERIES	----
UH-21	MAINTENANCE BAY 217	HORIZONTAL	HOT WATER	3.9	140	120	0.4	5	210	60	77.2	16 W	1	120/1	TRANE S SERIES	----
UH-22	MAINTENANCE BAY 217	HORIZONTAL	HOT WATER	3.9	140	120	0.4	5	210	60	77.2	16 W	1	120/1	TRANE S SERIES	----
UH-23	MAINTENANCE BAY 217	HORIZONTAL	HOT WATER	8.2	140	120	0.8	5	380	60	80.0	16 W	1	120/1	TRANE S SERIES	----
UH-24	WASH BAY 218	HORIZONTAL	HOT WATER	18.8	140	120	1.9	5	750	60	83.2	1/20	1.8	120/1	TRANE S SERIES	NOTE 1
UH-25	WASH BAY 218	HORIZONTAL	HOT WATER	18.8	140	120	1.9	5	750	60	83.2	1/20	1.8	120/1	TRANE S SERIES	NOTE 1
UH-26	WASH BAY 218	HORIZONTAL	HOT WATER	18.8	140	120	1.9	5	750	60	83.2	1/20	1.8	120/1	TRANE S SERIES	NOTE 1
UH-27	WASH BAY 218	HORIZONTAL	HOT WATER	18.8	140	120	1.9	5	750	60	83.2	1/20	1.8	120/1	TRANE S SERIES	NOTE 1
CUH-1	VESTIBULE 103	VERTICAL CABINET	HOT WATER	57.6	140	120	5.8	5	980	60	114.4	(2) @ 0.22 HP	(2) @ 3.1 FLA	120/1	TRANE FORCE-FLO	SLOPED TOP
CUH-2	VESTIBULE 107	VERTICAL CABINET	HOT WATER	49.8	140	120	5.0	5	930	60	109.6	(2) @ 0.22 HP	(2) @ 3.1 FLA	120/1	TRANE FORCE-FLO	SLOPED TOP
CUH-3	VENDING 115	VERTICAL CABINET	HOT WATER	60.5	140	120	6.1	5	920	60	120.9	(2) @ 0.22 HP	(2) @ 3.1 FLA	120/1	TRANE FORCE-FLO	SLOPED TOP
CUH-4	VESTIBULE 200	VERTICAL CABINET	HOT WATER	48.0	140	120	4.8	5	980	60	105.4	(2) @ 0.22 HP	(2) @ 3.1 FLA	120/1	TRANE FORCE-FLO	SLOPED TOP

- NOTES:
1. PROVIDE UNIT HEATER WITH CORROSION RESISTANT FINISH.

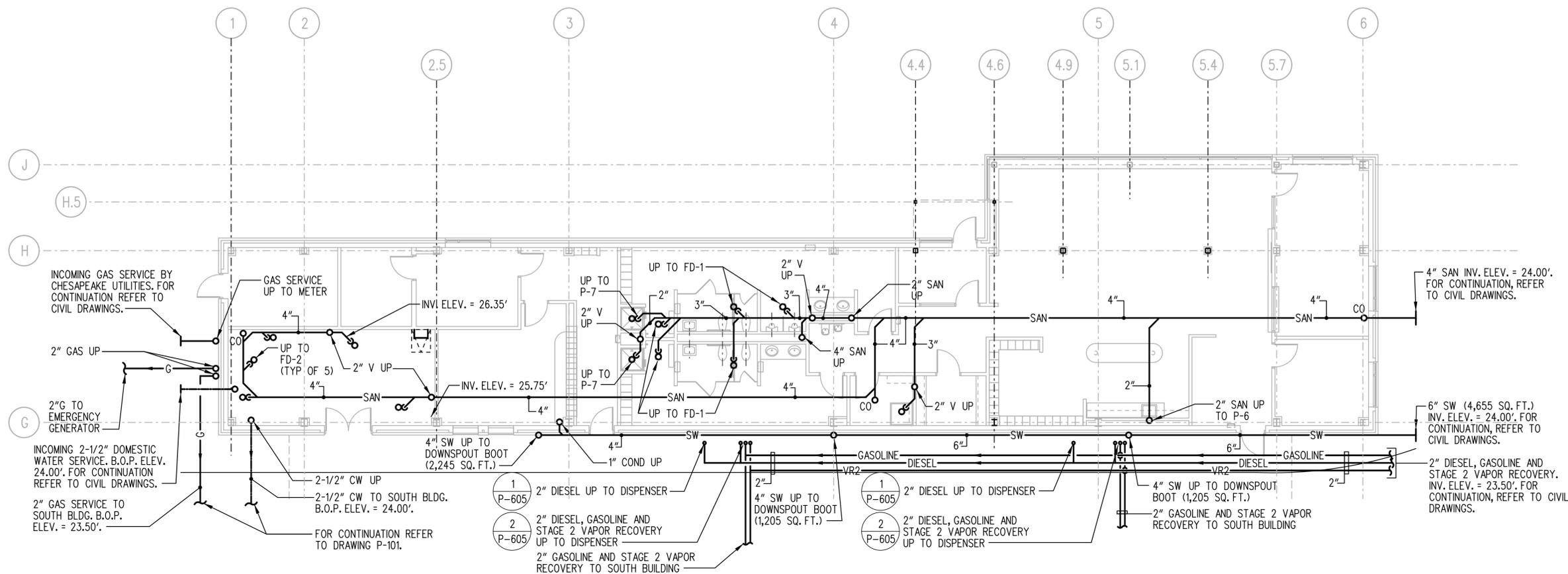
DUCTLESS SPLIT SYSTEM UNIT SCHEDULE																		
UNIT ID	AREA SERVED	INDOOR UNIT							OUTDOOR CONDENSING SECTION							NOTES	BASIS OF DESIGN	
		FAN DATA		COOLING (DX)			HEATING (DX)		ELECTRICAL			UNIT ID	REFRIG.	ELECTRICAL				
		CFM	ESP (IN. W.G.)	TOTAL (MBH)	SENSIBLE (MBH)	EAT DB (F)	CAPACITY (MBH)	EAT DB (F)	MCA	MOCOP	VOLTS/PH			MCA	MOCOP			VOLTS/PH
AC-1	TELECOM 117	520	----	12.6	12.6	75.0	----	---	1	---	208/1	ACCU-1	R-410A	15	20	208/1	1, 2	DAIKIN FTXN/RKN
AC-2	CONFERENCE ROOM 207	690	0.5	22.2	14.8	75.0	3.1	60.0	1.8	15	208/1	ACCU-2	R-410A	16.5	20	208/1	1, 2, 3	DAIKIN FBQ/RZQ
AC-3	MAINTENANCE SUPERVISOR 213 & STORAGE SUPERVISOR 114	630	0.5	17.2	14.2	75.0	2.0	60.0	1.6	15	208/1	ACCU-3	R-410A	16.5	20	208/1	1, 2, 3	DAIKIN FBQ/RZQ

- NOTES:
1. PROVIDE UNIT WITH CONDENSATE PUMP.
2. PROVIDE UNIT WITH BAFFLE PLATE.
3. PROVIDE FOR HEAT PUMP OPERATION.

FAN SCHEDULE													
UNIT ID	TYPE	SERVICE	LOCATION	CFM	ESP (IN. WG)	FAN RPM	DRIVE TYPE	METHOD OF CONTROL	ELECTRICAL DATA		BASIS OF DESIGN	NOTES	
									HP	VOLTS/PH			
EF-1	ROOF EXHAUSTER	VENTILATION	ROOF (NORTH)	1,350	0.25	880	BELT	TEMPERATURE	1/4	115/1	GREENHECK GB	1	
EF-2	ROOF EXHAUSTER	VENTILATION	ROOF (NORTH)	700	0.25	1382	BELT	TEMPERATURE	1/4	115/1	GREENHECK GB	1	
EF-3	ROOF EXHAUSTER	VENTILATION	ROOF (SOUTH)	910	0.25	1247	BELT	TEMPERATURE	1/4	115/1	GREENHECK GB	1	
EF-4	ROOF EXHAUSTER	VENTILATION	ROOF (SOUTH)	260	0.25	859	BELT	TEMPERATURE	1/6	115/1	GREENHECK GB	1	
EF-5	INLINE	EXHAUST	WOMENS LOCKER 105	680	0.5	1262	BELT	CONTINUOUS	1/4	115/1	GREENHECK BSQ	1	
EF-6	CENTRIFUGAL	TAILPIPE EXHAUST	MAINTENANCE 217	1,400	6	2450	BELT	WALL SWITCH	3	480/3	MONOXIVENT MHA	1	
EF-7	CENTRIFUGAL	TAILPIPE EXHAUST	MAINTENANCE 217	1,400	6	2450	BELT	WALL SWITCH	3	480/3	MONOXIVENT MHA	1	
EF-8	ROOF EXHAUSTER	VENTILATION	WASH BAY 218	2,475	0.25	732	DIRECT	CONTINUOUS	3/4	480/3	GREENHECK G	1, 2	

- NOTE:
1. PROVIDE FAN WITH FACTORY PROVIDED DISCONNECT AND STARTER.
2. PROVIDE FAN WITH HI-PRO POLYESTER COATING.

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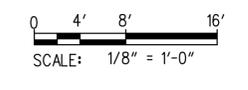


1 NORTH BLDG FOUNDATION PLAN - PLUMBING
 P-100 SCALE: 1/8" = 1'-0"

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ADDENDUMS / REVISIONS	

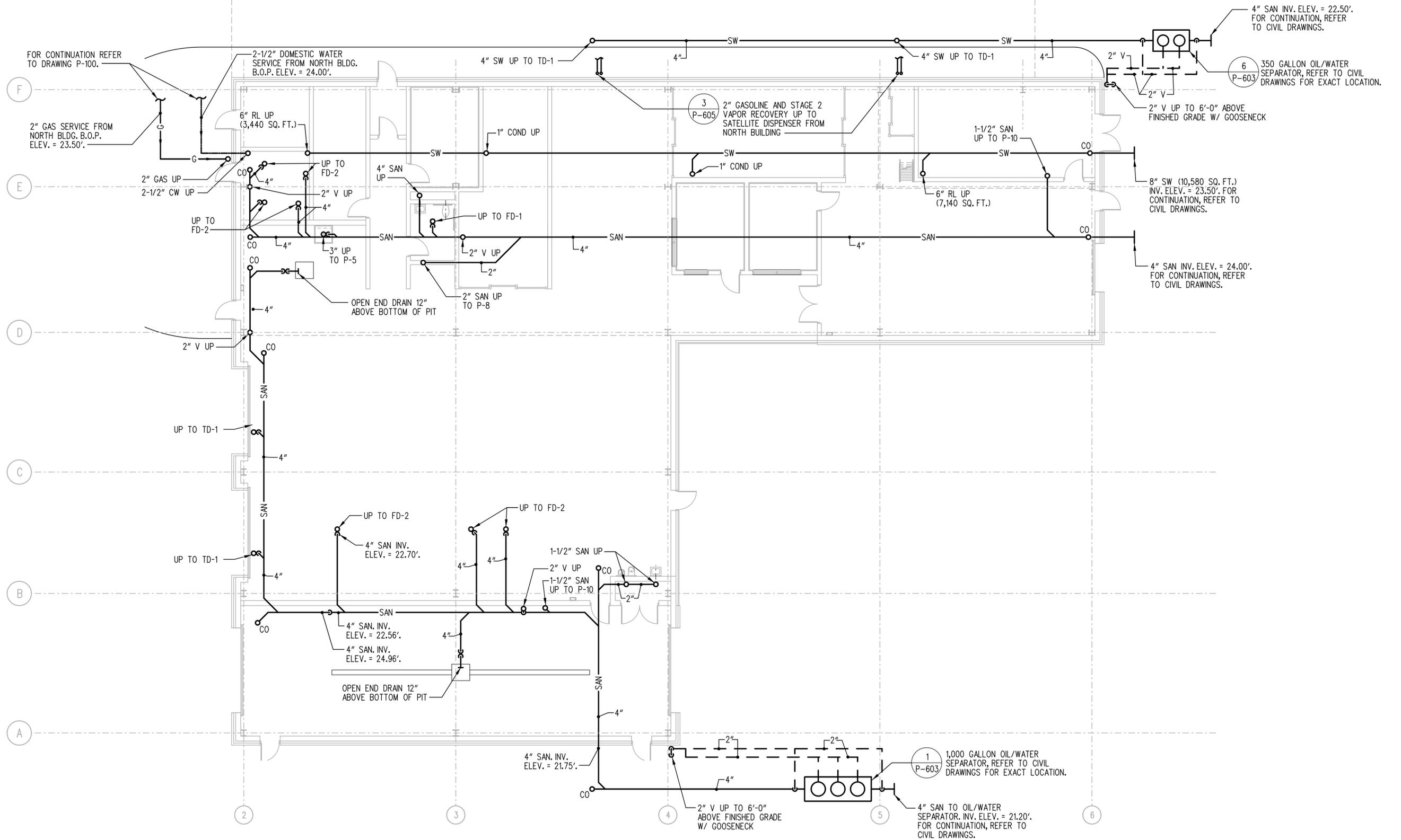


DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY

CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: TTM/ALM
	CHECKED BY: CEH

NORTH BUILDING
FOUNDATION
PLAN PLUMBING

P-100
SHEET NO. 136
TOTAL SHTS. 185

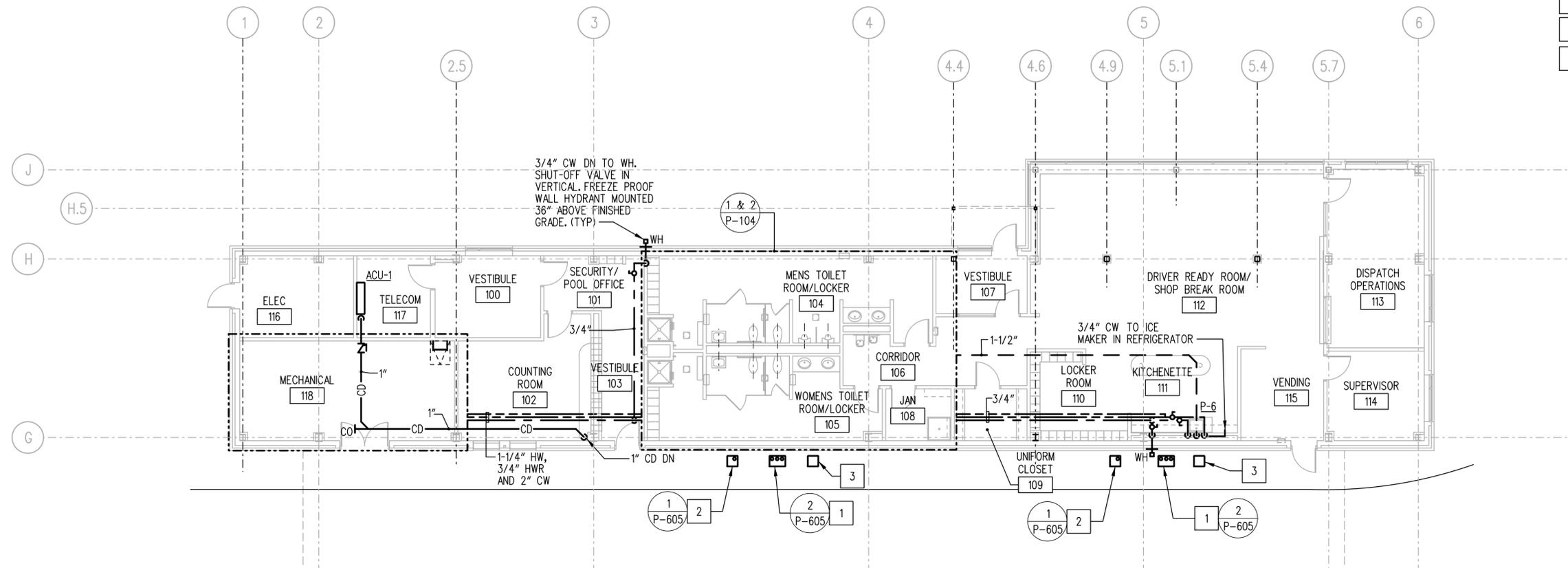


1 SOUTH BLDG FOUNDATION PLAN - PLUMBING
 P-101 SCALE: 1/8" = 1'-0"

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CONSTRUCTION NOTES

- 1 DUAL FUEL DISPENSER (DIESEL AND GASOLINE).
- 2 FUEL DISPENSER (DIESEL).
- 3 FUEL MANAGEMENT PANEL.

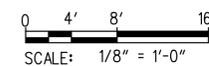


1 NORTH BLDG FLOOR PLAN - PLUMBING
 P-102 SCALE: 1/8" = 1'-0"

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ADDENDUMS / REVISIONS	



DELAWARE TRANSIT CORPORATION
LEWES PARK AND RIDE
AND MAINTENANCE FACILITY

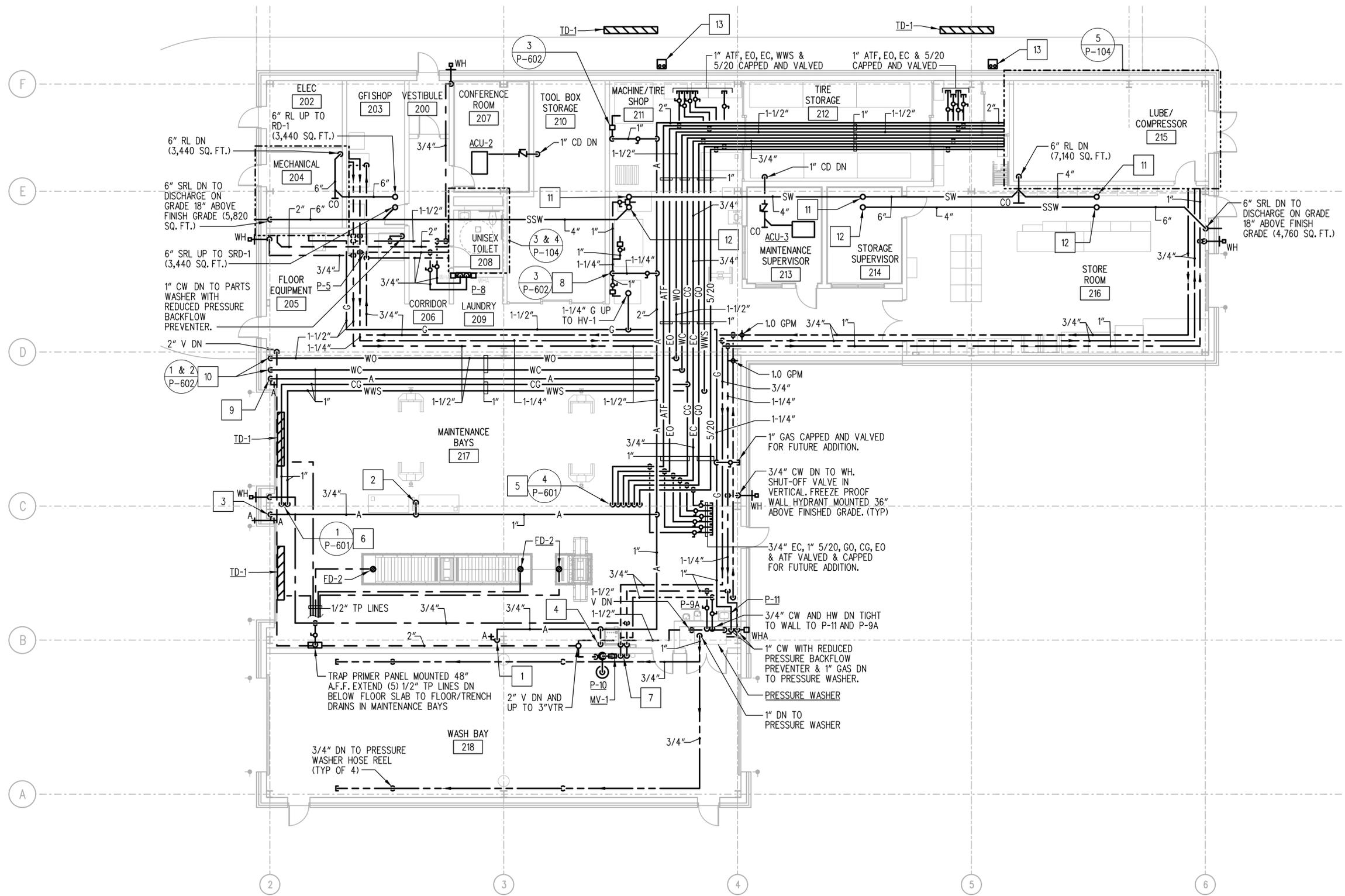
CONTRACT T200612502	BRIDGE NO.
COUNTY SUSSEX	DESIGNED BY: TTM/ALM
	CHECKED BY: CEH

NORTH BUILDING
FLOOR PLAN PLUMBING

P-102
SHEET NO. 138
TOTAL SHTS. 185

CONSTRUCTION NOTES

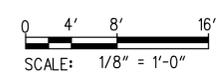
- 1 3/4" AIR DN TO QUICK CONNECT OUTLET W/ SHUT-OFF VALVE, PRESSURE REGULATOR, LUBRICATOR AND FILTER MOUNTED 36" AFF.
- 2 3/4" AIR DN TO SHUT-OFF VALVE, PRESSURE REGULATOR, FILTER, LUBRICATOR AND QUICK CONNECT OUTLET AT UTILITY TRAPEZE.
- 3 3/4" AIR DN TO QUICK CONNECT OUTLET W/ SHUT-OFF VALVE, PRESSURE REGULATOR, LUBRICATOR AND FILTER MOUNTED 36" AFF. EXTEND 3/4" AIR THROUGH EXTERIOR WALL TO EXTERIOR QUICK CONNECT OUTLET AT 36" ABOVE FINISH GRADE.
- 4 3/4" AIR DN TO CONTROL PANEL WITH SHUT-OFF VALVE, PRESSURE REGULATOR, LUBRICATOR AND FILTER.
- 5 1" ATF, EO, CG, GO, 5/20 AND 3/4" EC DN TO HOSE REEL.
- 6 1" WWS AND CG DN TO HOSE REEL.
- 7 3/4" HW AND 1" CW DN TO MIXING VALVE MV-1 MOUNTED 60" AFF ON WALL. EXTEND 1-1/4" TEPID WATER FROM MIXING VALVE TO P-10.
- 8 1-1/4" AIR DN. PROVIDE SHUT-OFF VALVE, PRESSURE REGULATOR, LUBRICATOR AND FILTER AT EQUIPMENT (TYP OF 4).
- 9 1-1/4" AIR DN TO WO AND WC PUMPS MOUNTED ON WALL AND TO QUICK CONNECT OUTLET.
- 10 1" WC AND 1-1/2" WO DN TO PUMPS FP-7 (WC) AND FP-8 (WO).
- 11 4" RL UP TO RD-1 (2,380 SQ. FT.)
- 12 4" SRL UP TO SRD-1 (2,380 SQ. FT.)
- 13 GASOLINE SATELLITE DISPENSER.



1 SOUTH BLDG FLOOR PLAN - PLUMBING
 P-103 SCALE: 1/8" = 1'-0"

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ADDENDUMS / REVISIONS	

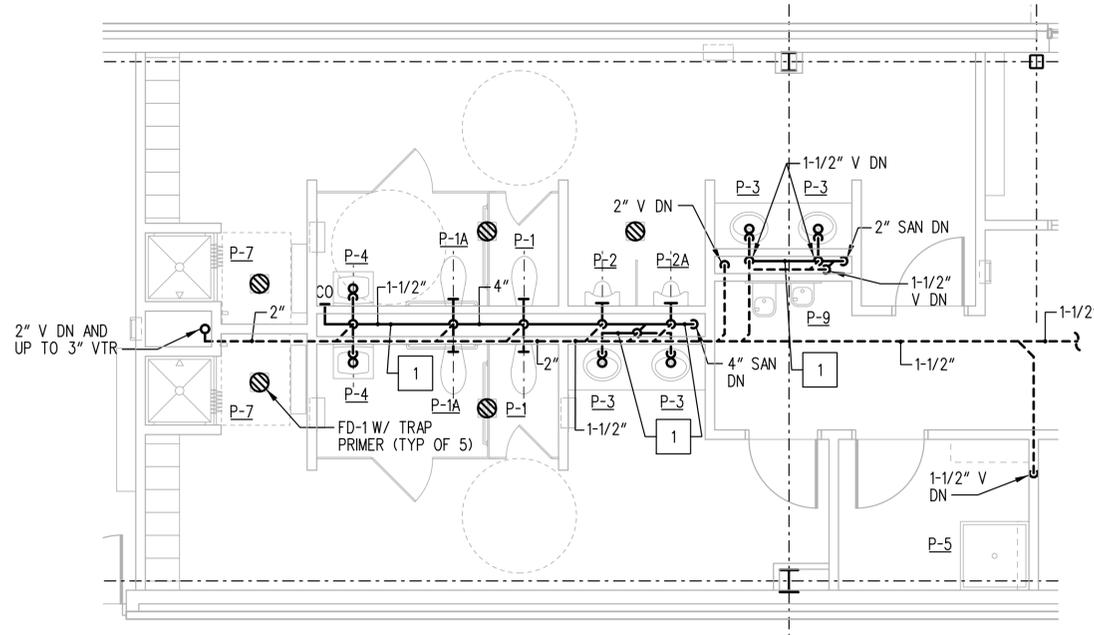


CONTRACT	BRIDGE NO.
T200612502	
COUNTY	DESIGNED BY: TTM/ALM
SUSSEX	CHECKED BY: CEH

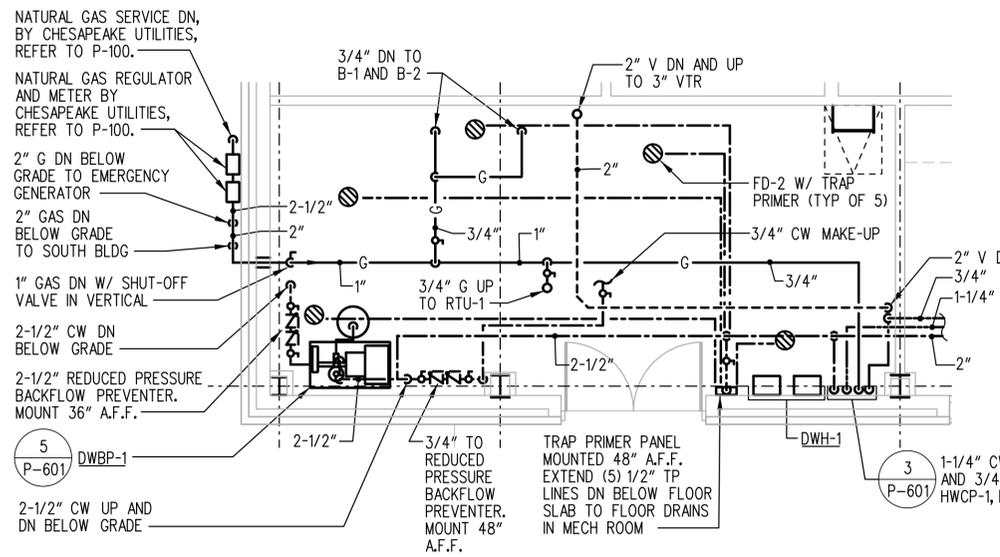
P-103
SHEET NO.
139
TOTAL SHTS.
185

CONSTRUCTION NOTES

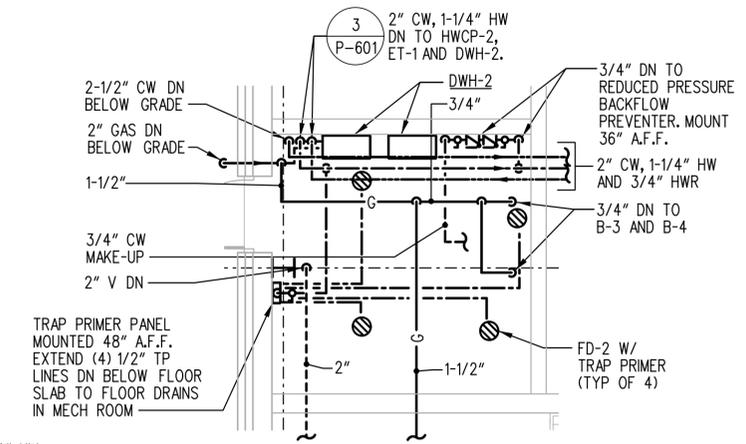
1 ABOVE FLOOR IN CHASE.



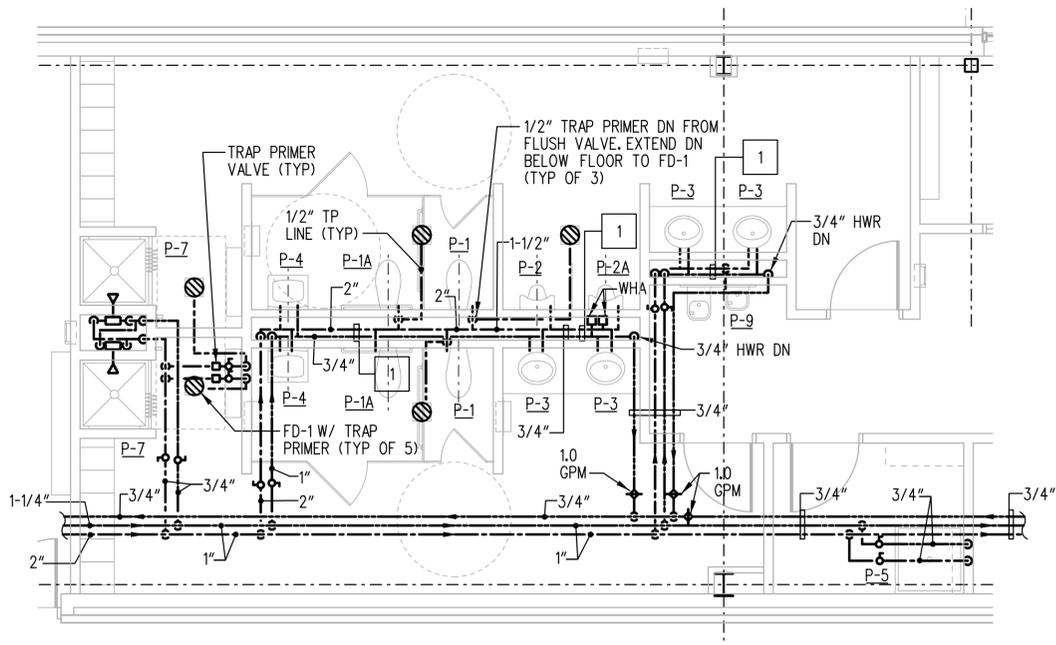
1 NORTH BLDG - TOILET RM - SANITARY
P-104 SCALE: 1/4" = 1'-0"



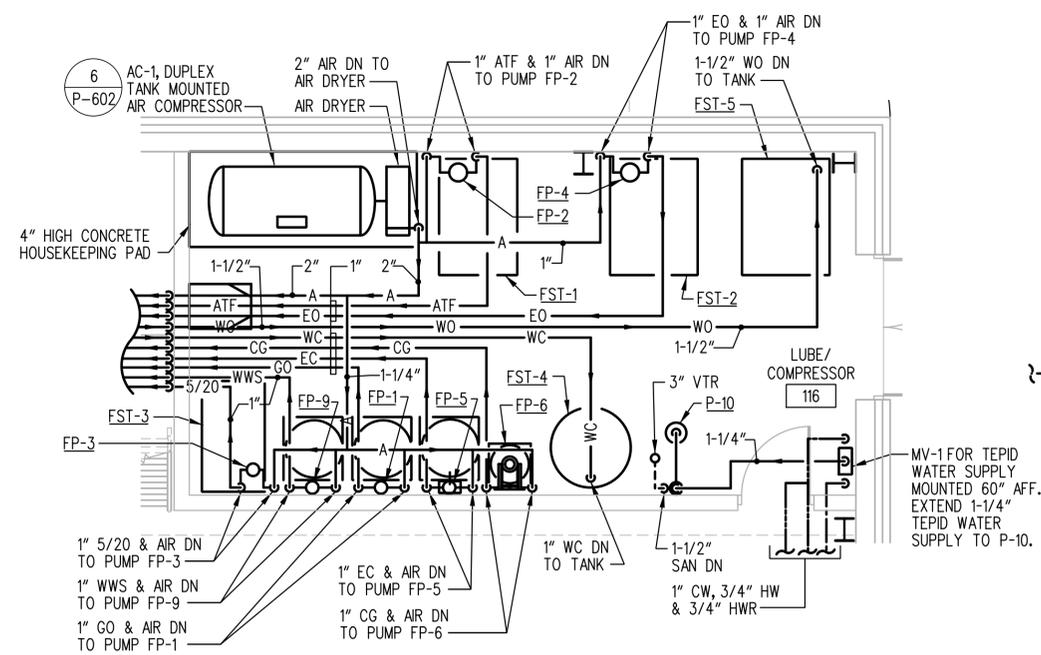
4 NORTH BLDG - MECHANICAL ROOM
P-104 SCALE: 1/4" = 1'-0"



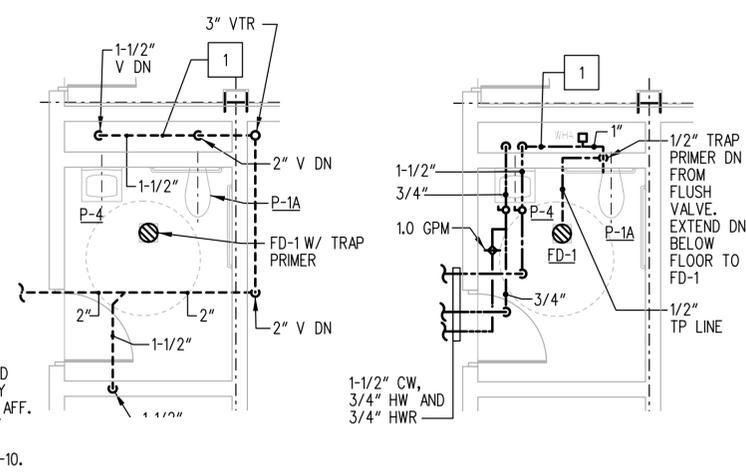
3 SOUTH BLDG - MECHANICAL ROOM
P-104 SCALE: 1/4" = 1'-0"



2 NORTH BLDG - TOILET RM - DOMESTIC WATER
P-104 SCALE: 1/4" = 1'-0"



5 PART PLAN - LUBE/COMPRESSOR RM
P-104 SCALE: 1/4" = 1'-0"



2 SOUTH BLDG - TOILET ROOM
P-104 SCALE: 1/4" = 1'-0"

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