

Southern A&E, LLC  
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Austell, Georgia 30168  
(770)-819-7777



Project Name: Troup HS Baseball/Softball Lockers  
Project Number: 01 664 123  
Client: Troup County Schools System  
City/State: Lagrange, GA

Addendum Date: 05.24.2022

Bid Date: 06.15.2022

TO REGISTERED HOLDERS OF BID DOCUMENTS

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**INFORMATION CONTAINED IN THIS ADDENDUM SUPERSEDES PREVIOUS INFORMATION  
CONTAINED IN BID DOCUMENTS**

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CHANGES TO BID INSTRUCTIONS\BID DATE:

CHANGES TO SPECS:

CHANGES TO DRAWINGS:

- 1) Drawing A102 – Floor Plans:
  - a) Delete drawing A102 and substitute with revised drawing A102, with revision date 05/24/2022.
- 2) Drawing A201 – Floor Plans:
  - a) Delete drawing A201 and substitute with revised drawing A201, with revision date 05/24/2022.
- 3) Drawing E001:
  - a) Delete drawing E001 and substitute with revised drawing E001, with revision date 05/24/2022.
- 4) Drawing E101:
  - a) Delete drawing E101 and substitute with revised drawing E101, with revision date 05/24/2022.
- 5) Drawing M101:
  - a) Delete drawing M101 and substitute with revised drawing M101, with revision date 05/24/2022.

ATTACHMENTS:

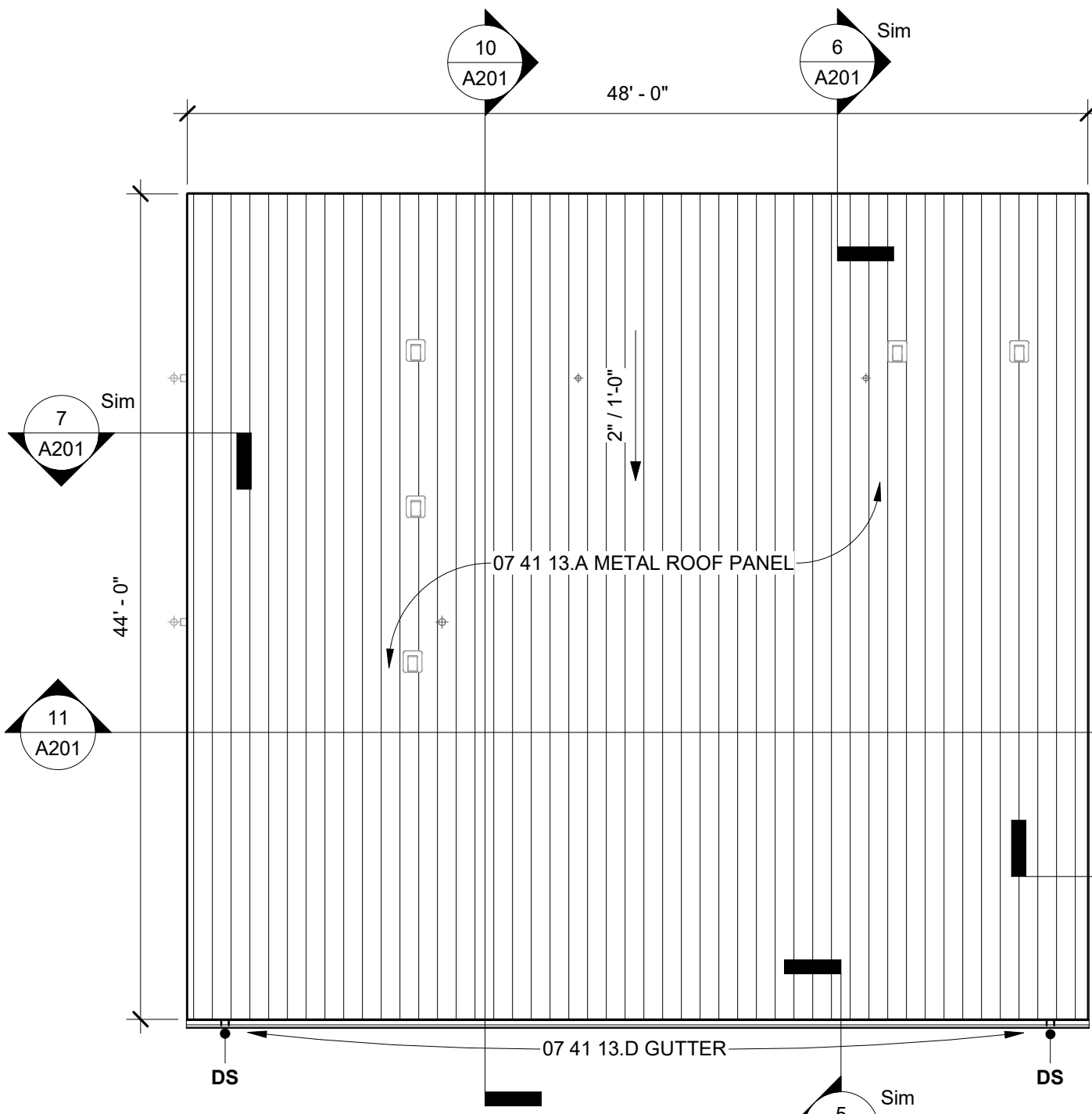
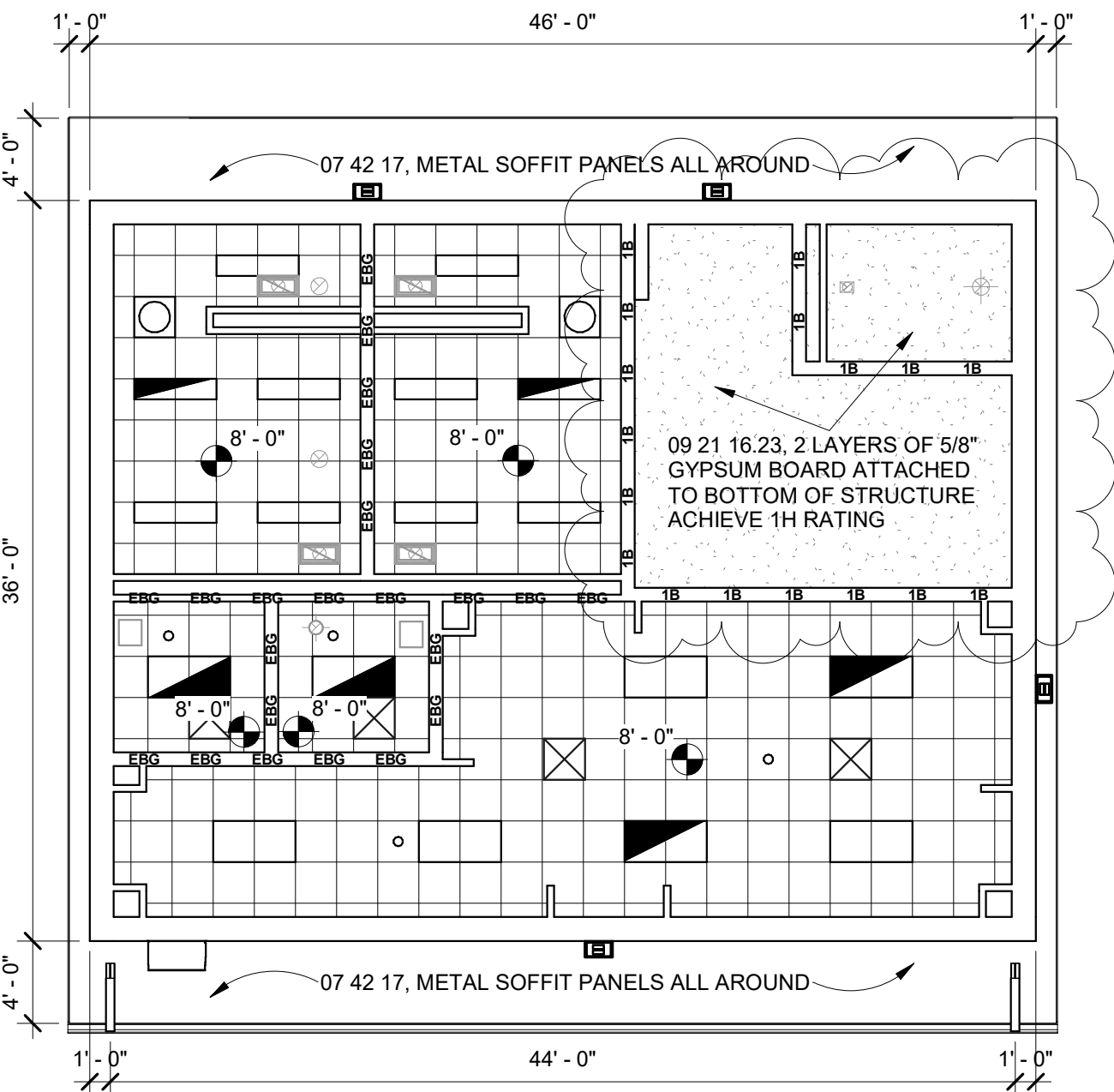
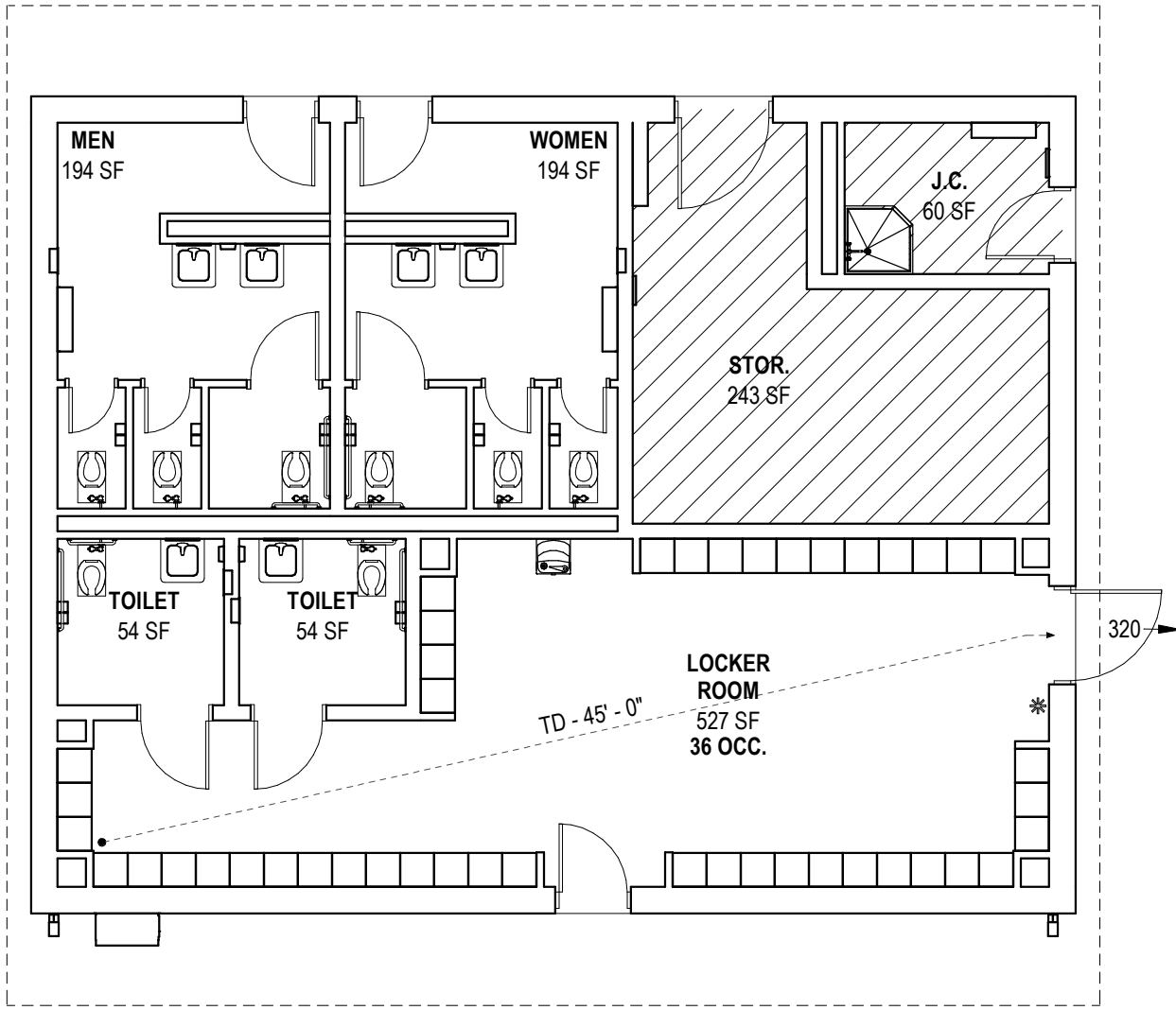
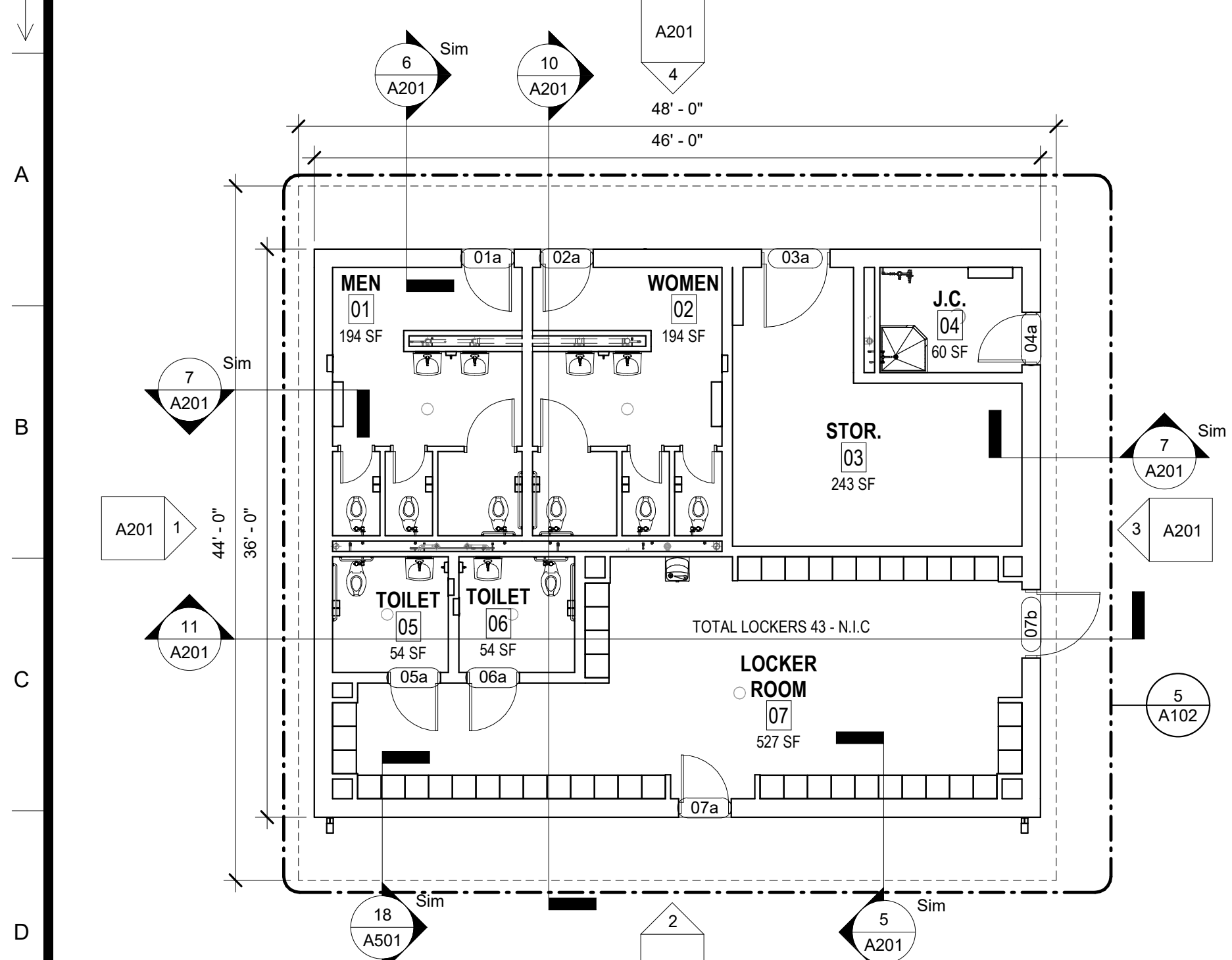
Specification:

Supplemental Drawing:

Revised Drawing: A102.AD2.R1, A201.AD2.R1, E001.R1.AD2, E101.R1.AD2,  
M101.R1.AD2

END OF ADDENDUM #2



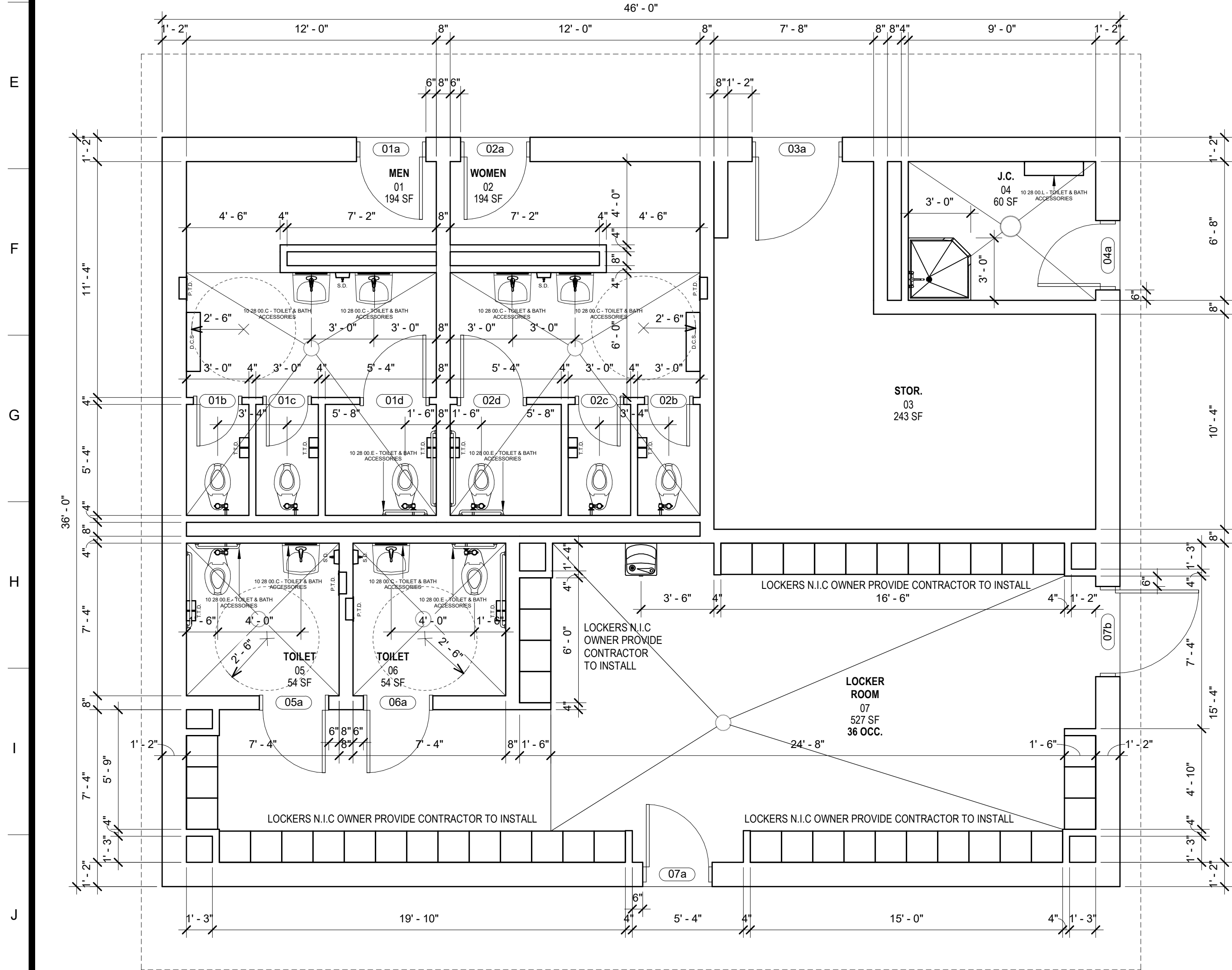


- NOTES & LEGEND TO FLOOR PLANS:**
1. REFER TO COVER SHEET FOR COMPLETE KEYNOTE LIST.
  2. REFER TO "RCP" FOR WALL RATINGS, WALL TYPES AND WALL DIMENSIONS.
  3. REFER TO ENLARGED TOILET PLANS (AS INDICATED ON PLAN) FOR INFORMATION ON TOILET & BATH ACCESSORIES AND ADDITIONAL DIMENSIONS OF THESE AREAS.
  4. REFER TO CIVIL DRAWINGS FOR COMPLETE SIDEWALK LAYOUT.
  5. REFER TO MECHANICAL DRAWINGS FOR LOCATION AND OPENING REQUIREMENTS FOR ALL THRU-WALL AND WALL-HUNG HEAT PUMPS. SEE ALSO DETAILS ON DRAWING A501.

- LEGEND TO REFLECTED CEILING PLAN:**
- NEW CONCRETE BLOCK WALLS. DIMENSION FROM FACE OF WALL TO FACE OF WALL.
  - ROOM NUMBER. SEE INTERIOR FINISH SCHEDULE FOR INFORMATION ON FINISHES.
  - DOOR NUMBER. REFER TO DOOR FRAME & DOOR SCHEDULE FOR INFORMATION ON DOORS.
  - ALL DOORS SHOWN WITHOUT DOOR NUMBER ARE EXISTING TO REMAIN.
  - DS DOWNSPOUTS. SEE ROOF PLAN FOR INFORMATION.
  - TD TRAVEL DISTANCE TO THE NEAREST EGRESS.
  - FLOOR DRAIN W/ SLOPED FLOOR, REFER TO PLUM. DRAWINGS.

- LEGEND TO ROOF PLAN:**
1. INSTALL GUTTER EXPANSION JOINTS AT MAX. 40'. INSTALL GUTTER SPLICE JOINTS AT MID-POINT BETWEEN EXPANSION JOINTS, AND AT MAX. 40'. PROVIDE MIN. 20' LONG SECTIONS OF GUTTER WITHOUT JOINTS.
  2. COORDINATE WITH MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ALL ROOF PENETRATIONS.
  3. ALL EQUIPMENT MOUNTED ON METAL ROOF IS TO BE PAINTED TO MATCH ROOF PANEL COLORS.
  4. COORDINATE WITH CIVIL FOR TYPE OF DISCHARGE AT EACH DOWNSPOUT.
- LEGEND TO LIFE SAFETY PLAN ROOM RATING:**
- ROOM AND/OR AREA SEPARATED FROM THE REMAINDER OF BUILDING BY (1) ONE-HOUR FIRE RATED BARRIERS.
  - SEMI-RECESSED FIRE EXTINGUISHER.

- LEGEND TO WALL TYPES & WALL RATING:**
- LEGEND TO WALL TYPES AND WALL RATING PROVIDES SPECIFIC INFORMATION ON TYPE OF CONSTRUCTION OF INTERIOR WALLS AS INDICATED ON REFLECTED CEILING PLAN. COORDINATE WALL INFORMATION SHOWN ON REFLECTED CEILING PLANS WITH INFORMATION SHOWN ON FLOOR PLANS. CONTRACTOR SHALL CONSTRUCT ALL WALLS AS INDICATED ON DRAWINGS. CHANGES TO WALL DESIGN IS NOT ALLOWED WITHOUT APPROVAL OF ARCHITECT. REFER TO FLOOR PLANS FOR INFORMATION ON WALL DETAILS, WALL SECTIONS, DOORS, WINDOWS, AND SPECIALTIES AND EQUIPMENT MOUNTED IN WALLS. REFER TO ENLARGED PLANS ON DRAWING A401 FOR ADDITIONAL WALL INFORMATION AND DIMENSIONS. REFER TO STRUCTURAL DRAWINGS FOR FURTHER WALL DETAILS. REFER TO DRAWING A701 FOR TYPICAL FIRESTOPPING DETAILS. REFER TO DRAWING A702 & A703 FOR TYPICAL U.L.L. DESIGN DETAILS.
- NON-RATED ENVIRONMENTAL PARTITIONS**
- EBG - NON-RATED ENVIRONMENTAL PARTITION (CMU + GWB)
- NON-RATED 9" CONCRETE BLOCK WALL UP TO FIRST COURSE (MIN. 8") ABOVE CEILING. EXTEND WALL TO UNDERSIDE OF FLOOR OR ROOF DECK WITH NON-RATED DRYWALL PARTITION (ONE LAYER OF 5/8" ABUSE RESISTANT GYPSUM WALL BOARD ON EACH SIDE OF 3/8" METAL STUDS @ 16" O.C.). SEE SPECS FOR METAL STUDS REQUIREMENTS. FILL BLOCK CELLS WITH GROUT. FILL DRYWALL WITH SOUND ATTENUATION BLANKETS. SEAL TOP OF WALL TIGHT TO UNDERSIDE OF DECK. SEAL BOTH SIDES OF WALL TIGHT AROUND ALL WALL PENETRATIONS.



**NOTES TO ENLARGED PLANS:**

1. ENLARGED PLANS PROVIDE ADDITIONAL DIMENSIONS FOR WALLS IN TOILETS, BATHROOMS, RESTROOMS, SHOWERS AND J.C.
2. ENLARGED PLANS PROVIDE DIMENSIONS FOR LOCATION OF PLUMBING FIXTURES IN TOILETS, BATHROOMS, RESTROOMS, SHOWERS AND JANITORIAL CLOSETS.
3. ENLARGED PLANS PROVIDE LOCATION AND TYPE OF TOILET & BATH ACCESSORIES IN TOILETS, BATHROOMS, RESTROOMS, SHOWERS AND JANITORIAL CLOSETS. REFER ALSO TO FLOOR PLANS FOR ACCESSORIES IN J.C. ROOMS NOT SHOWN HERE.
4. ENLARGED PLANS PROVIDE LAYOUT OF FLOOR SLOPES TO FLOOR DRAINS. REFER ALSO TO FLOOR PLANS FOR OTHER ROOMS AND AREAS WITH FLOOR DRAINS NOT SHOWN HERE FOR FLOOR SLOPE LAYOUT. PROVIDE MIN. 1/2" FOUR-WAY SLOPE TO FLOOR DRAINS.
5. REFER TO DRAWING A201/A501 FOR TYPICAL MASONRY TOILET STALL DETAILS.
6. REFER TO DRAWING A201/A501 FOR TYPICAL FLOOR & DRAIN DETAIL AT SHOWER STALL.
7. SEE DRAWING A201/A501 FOR TYPICAL DOOR TOILET STALL AND SHOWER ACCESSORIES ELEVATIONS AND MOUNTING DIMENSIONS.
8. SEE DRAWING A102 FOR SCHEDULE OF MOUNTING HEIGHTS.
9. REFER TO ENLARGED PLANS AND SPECIFICATIONS SECTION 102800 FOR TOILET & BATH ACCESSORIES INFORMATION. KEYNOTES SHOWN ON PLANS INDICATE THE FOLLOWING ACCESSORIES:  
102800 A - PAPER TOWEL DISPENSER  
102800 B - SOAP DISPENSER  
102800 C - FRAMED MIRRORS  
102800 D - TOILET TISSUE DISPENSER  
102800 E - GRAB BARS  
102800 J - SOAP DISH  
102800 L - MOP AND BROOM HOLDER
10. TOILET ACCESSORIES IN CONTRACT (SEE SPECIFICATIONS 10 28 00):  
10 28 00 C - MIRRORS  
10 28 00 E - GRAB BARS  
REFER TO SPECIFICATIONS SECTION 10 28 00 - TOILET & BATH ACCESSORIES
11. TOILET ACCESSORIES PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR:  
P.T.D. - PAPER TOWEL DISPENSER  
S.D. - SOAP DISPENSER AND/OR SOAP DISH  
T.T.D. - TOILET TISSUE DISPENSER  
D.C.S. - DIAPER-CHANGING STATION

TABLE OF MOUNTING HEIGHTS		
ITEM	GRADE LEVEL	HC ACCESSIBILITY
CHALK & TACKBOARDS	8-12' Adult	Bottom of board above finish floor
WORKING COUNTERS (d)	34"	Installed height
COUNTER SINKS (d)	34"	Installed rim mount height
HANGING RODS	48"	Top of hang rod above finish floor
DRINKING FOUNTAINS	40"/ 36"	Typ. spout height/ H.C. spout height
WATER CLOSETS (a)	18"	Typ. seat height/ H.C. seat height
WATER CLOSET FLUSH CONTROLS (e)	26.5"	Typ. cl flush cont./ H.C. cl flush cont.
LAVATORIES (a)	34"	Typ. rim height/ H.C. rim height
MIRRORS	6'-8" TOP	Within maximum h.c. bottom edge height
URINALS	24"/ 17"	Typ. rim height/ H.C. rim height
URINAL FLUSH CONTROLS	51"/ 44"	Typ. cl flush cont./ H.C. cl flush cont.
GRAB BARS TOILETS (c)	1.25" dia	Centerline of bar above finish floor
TISSUE DISPENSER	19"	Centerline of disp. above finish floor
TOWEL DISPENSER	48"	Centerline of slot above finish floor
SOAP DISPENSER	40"	Centerline of spout above finish floor
HAND DRYER	48"	Centerline of button above finish floor
HAND RAILS	top rail (1.5" dia) @ 34" a.f.f. & extra rail (1.25" dia) @ 28" a.f.f.	Top of handrail above finish floor
FIRE EXTINGUISHER	bottom of cabinet @ 2'-8" a.f.f.	Installed height
ROOM SIGNAGE	60" aff to centerline	Mounted on wall @ latch side of door
SHOWER SEAT	18"	Typ. seat height is also accessible
SHOWER CONTROLS	43"	Centerline control area a.f.f.

- (a) All fixtures in single-use toilets mounted at h.c. rim height.  
(b) Requires shifting the rear grab bar to avoid conflicts with the flush valve.  
(c) Refer to details and elevations on drawings for grab bars at showers and bath tubs.  
(d) Refer also to woodwork details and elevations on drawings.  
(e) Refer also to plumbing specifications Section 15400.

SA&E PROJECT NUMBER		01-664-123	
BID PACKAGE		BP-1	
ISSUED FOR CONSTRUCTION		05-19-2022	
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		R #	Doc # Date
		1	AD1.R 05-24-2022
FACILITY CODE NUMBER:		NEW FACILITY FOR: 741-0387	
<b>TROUP HS BASEBALL/SOFTBALL LOCKERS</b>		1920 HAMILTON RD, LAGRANGE, GA 30241	
<b>TROUP COUNTY SCHOOL SYSTEM</b>		100 NORTH DAVIS ROAD LAGRANGE, GA 30241	

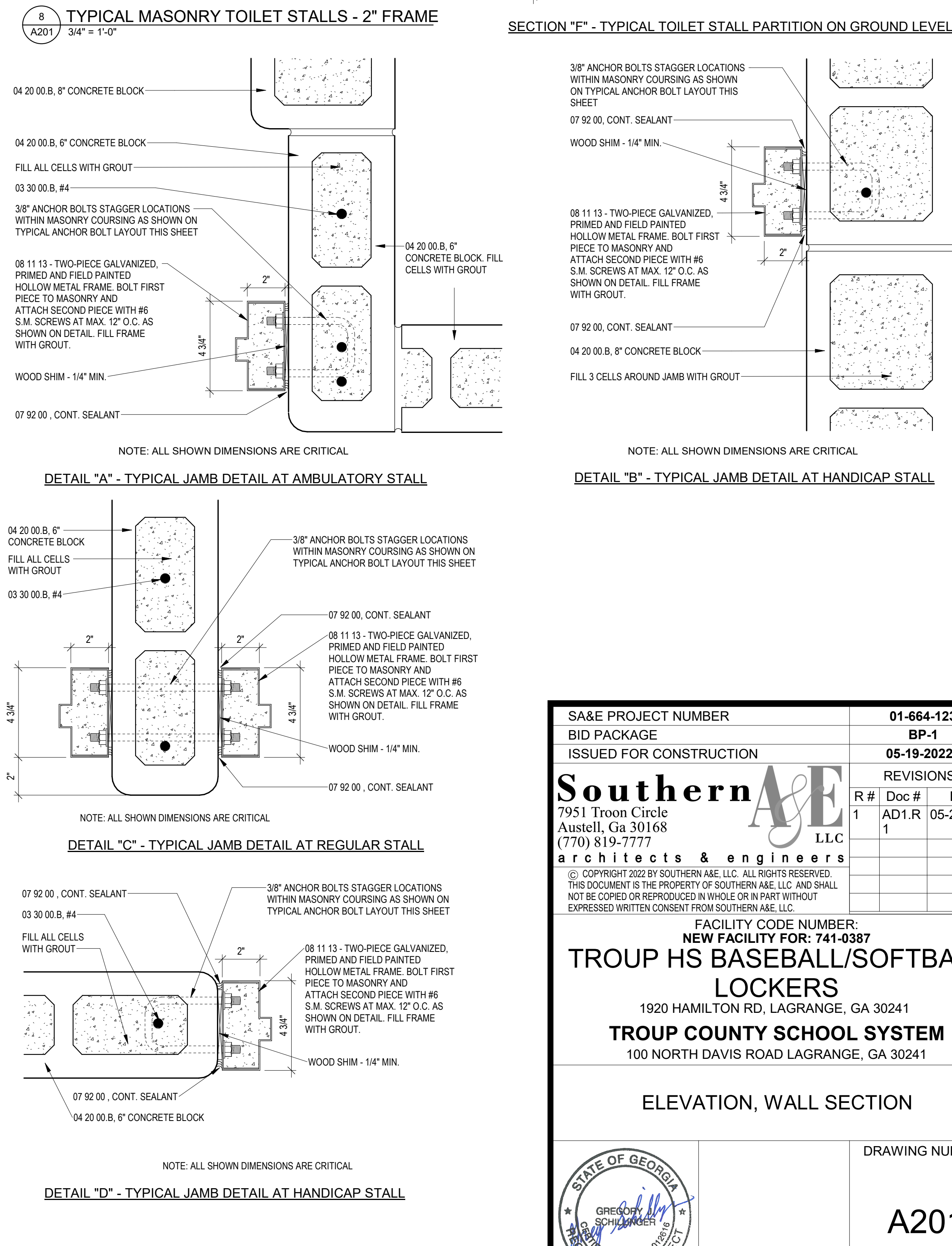
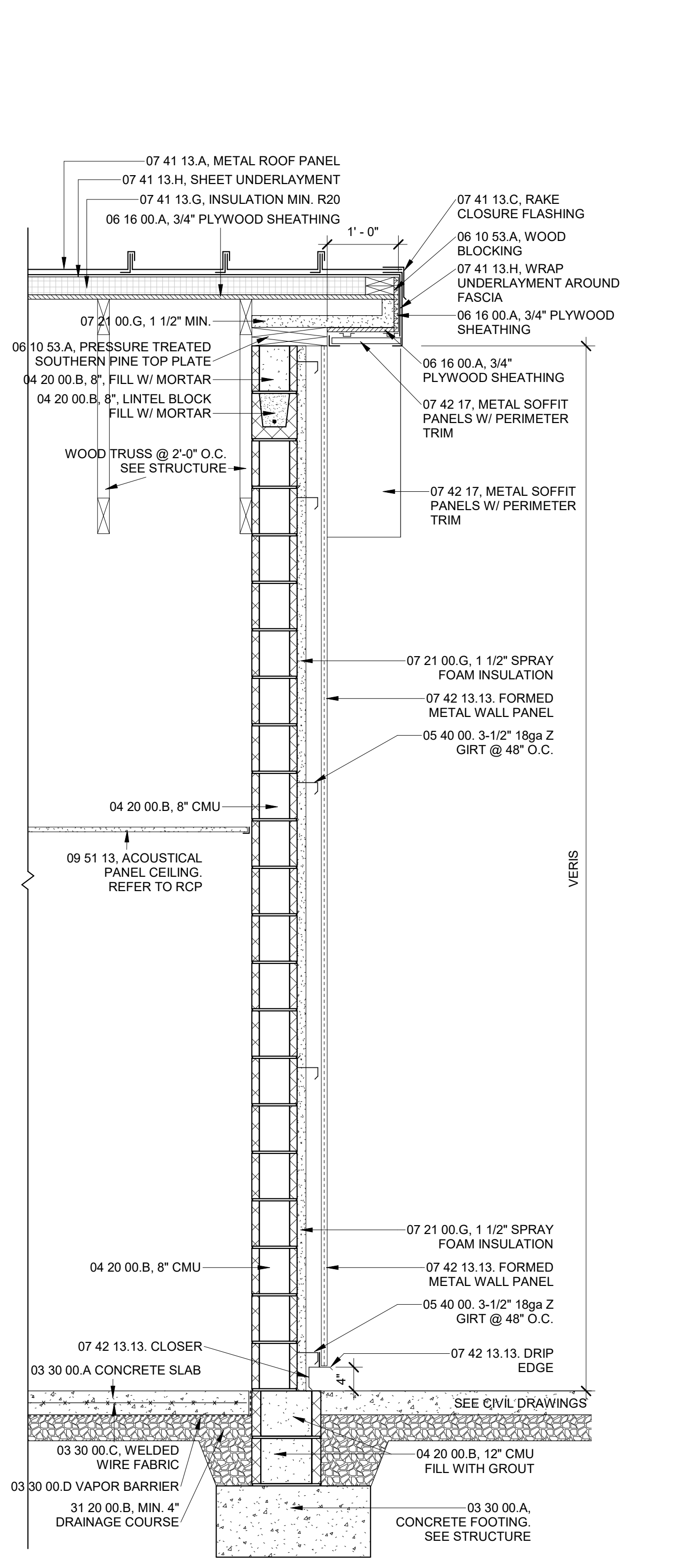
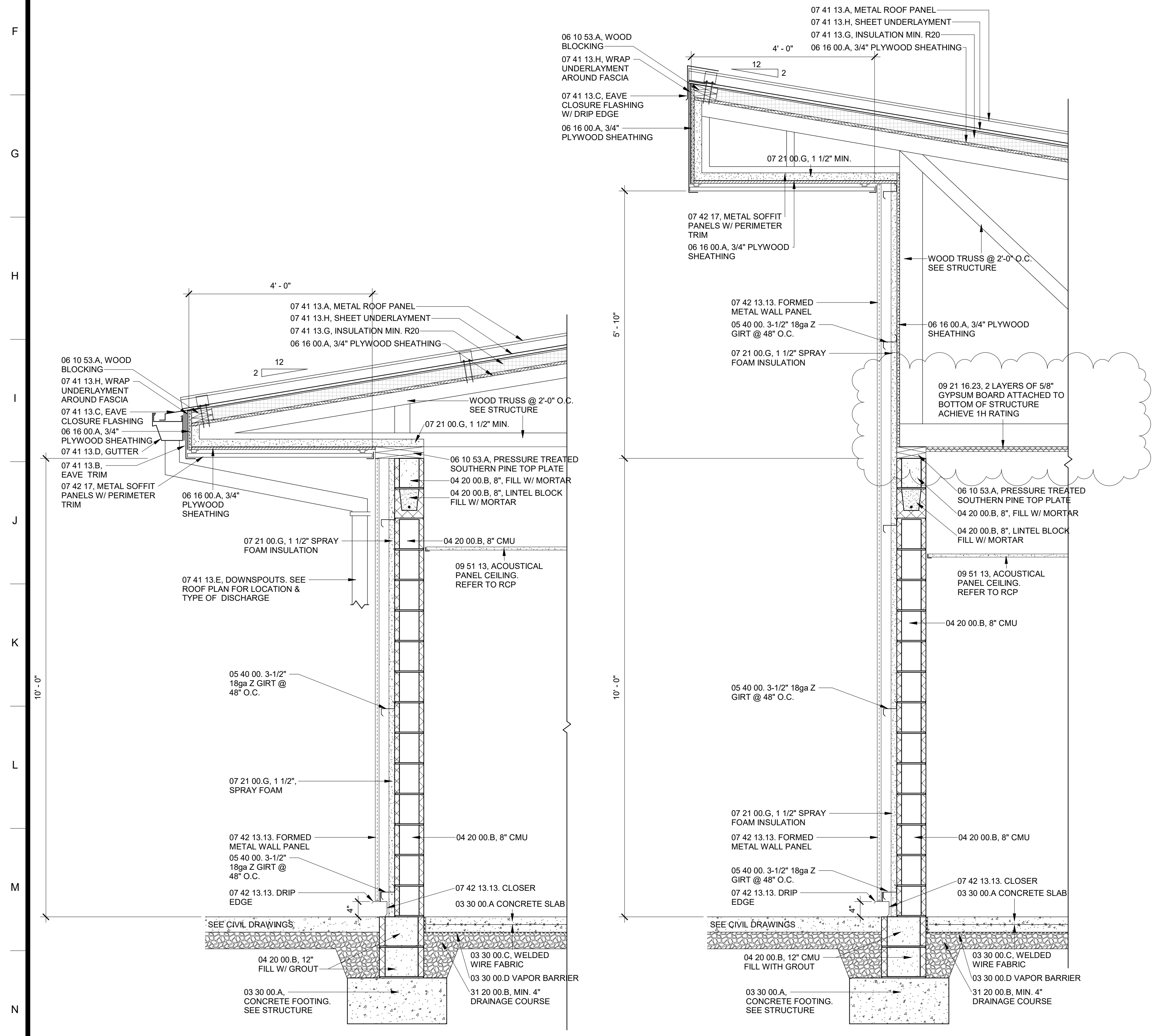
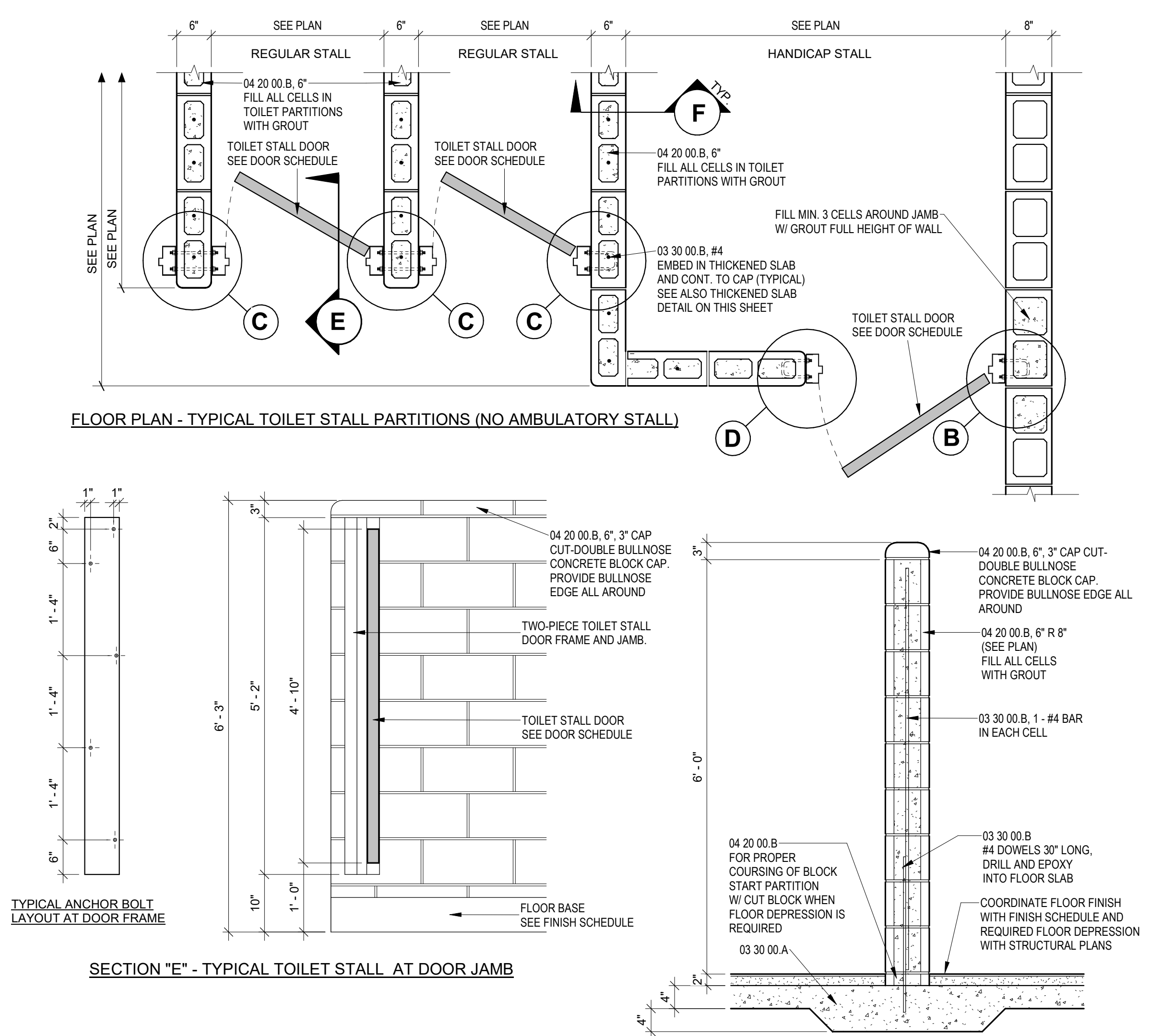
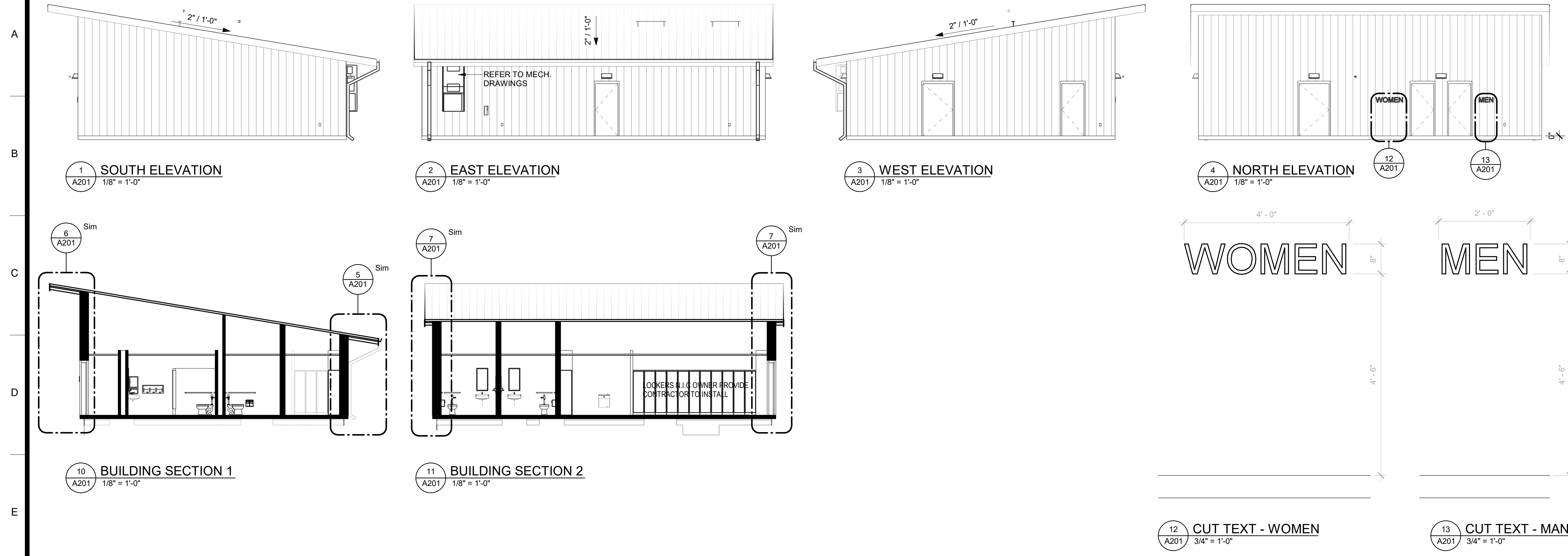
FLOOR, CEILING, ROOF PLANS



DRAWING NUMBER

A102





SA&E PROJECT NUMBER		01-664-123	
BID PACKAGE		BP-1	
ISSUED FOR CONSTRUCTION		05-19-2022	
<b>Southern A&amp;E</b> 7951 Troon Circle Austell, Ga 30168 (770) 819-7777 architects & engineers		REVISIONS	
		R #	Doc # Date
		1	AD1.R 05-24-2022
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		NEW FACILITY FOR: 741-0387	
		<b>TROUP HS BASEBALL/SOFTBALL LOCKERS</b>	
1920 HAMILTON RD, LAGRANGE, GA 30241			
<b>TROUP COUNTY SCHOOL SYSTEM</b>			
100 NORTH DAVIS ROAD LAGRANGE, GA 30241			
ELEVATION, WALL SECTION		DRAWING NUMBER	
		A201	

STATE OF GEORGIA  
GREEN SCHWABER  
REGISTERED ARCHITECT



A

B

C

D

E

F

G

H

I

J

K

L

M

N

ELECTRICAL SYMBOLS LEGEND

note: all symbols do not necessarily appear on drawings

	RACEWAY CONCEALED IN CEILING, WALL, OR BELOW FLOOR. HASH MARKS INDICATE QUANTITY OF CABLES OR CURRENT CARRYING CONDUCTORS. NO MARKS INDICATES 2 #12 AWG COPPER CONDUCTORS. USE #10 AWG FOR 120V CIRCUITS EXCEEDING 100 FT IN LENGTH AND 277V CIRCUITS EXCEEDING 230 FT. ALL RACEWAYS SHALL CONTAIN ONE EQUIPMENT GROUNDING CONDUCTOR, SIZED PER NEC. ISOLATED GROUND RECEPTACLE RACEWAYS SHALL CONTAIN AN ADDITIONAL ISOLATED GROUNDING CONDUCTOR. REFER TO PANEL SCHEDULES FOR CONDUIT AND CONDUCTOR SIZES. ARROW INDICATES HOMERUN TO PANEL-CIRCUIT. RACEWAY EXPOSED ON STRUCTURE, WITH MARKS AS ABOVE. PAINT TO MATCH STRUCTURE.
	RACEWAY INSTALLED BELOW SLAB, WITH MARKS AS ABOVE.
	RACEWAY INSTALLED BELOW GRADE WITH MARKS AS ABOVE.
	EMERGENCY POWER SYSTEMS RACEWAY CONCEALED IN CEILING, WALL, OR BELOW FLOOR, WITH MARKS AS ABOVE. INSTALLATION OF EMERGENCY POWER SYSTEMS SHALL COMPLY WITH NFPA 110 AND NFPA 70, SPECIFICALLY ARTICLE 700.
	EMERGENCY POWER SYSTEMS RACEWAY EXPOSED ON STRUCTURE, WITH MARKS AS ABOVE. PAINT RACEWAY TO MATCH STRUCTURE. INSTALLATION OF EMERGENCY POWER SYSTEMS SHALL COMPLY WITH NFPA 110 AND NFPA 70, SPECIFICALLY ARTICLE 700.
	20A, 125V DUPLEX TAMPER-RESISTANT TYPE RECEPTACLE MOUNTED 18" AFF, OR AS NOTED. WP DENOTES WATER RESISTANT DEVICE WITH GASKETTED WEATHERPROOF CAST METAL WHILE-IN-USE COVER. GFI DENOTES GROUND FAULT CIRCUIT INTERRUPTING TYPE.
	20A, 125V DUPLEX TAMPER-RESISTANT TYPE RECEPTACLE MOUNTED ABOVE COUNTERTOP BACKSPLASH, COORDINATE EXACT LOCATION WITH MILLWORK INSTALLER. 46" AFF, OR AS NOTED. MARKS AS ABOVE.
	20A, 125V ISOLATED GROUND DUPLEX TAMPER-RESISTANT RECEPTACLE MOUNTED 18" AFF, OR AS NOTED. MARKS AS ABOVE.
	20A, 125V QUADRUPLEX TAMPER-RESISTANT TYPE RECEPTACLE MOUNTED 18" AFF, OR AS NOTED.
	20A, 125V QUADRUPLEX ISOLATED GROUND TAMPER-RESISTANT TYPE RECEPTACLE MOUNTED 18" AFF, OR AS NOTED.
	20A, 125V QUADRUPLEX TAMPER-RESISTANT TYPE RECEPTACLE MOUNTED ABOVE COUNTERTOP BACKSPLASH, COORDINATE EXACT LOCATION WITH MILLWORK INSTALLER. 46" AFF, OR AS NOTED. MARKS AS ABOVE.
	SPECIAL RECEPTACLE. FLUSH MOUNTED 18" AFF, OR AS NOTED. PROVIDE NEMA TYPE RECEPTACLE AS NOTED, UNLESS OTHERWISE REQUIRED BY EQUIPMENT.
	20A, 125V SINGLE RECEPTACLE INSTALLED 96" ABOVE FINISHED FLOOR.
	20A, 125V DUPLEX TAMPER-RESISTANT RECEPTACLE INSTALLED IN SINGLE SERVICE FLOOR BOX WITH HINGED COVER.
	20A, 125V ISOLATED GROUND DUPLEX TAMPER-RESISTANT RECEPTACLE INSTALLED IN MULTI-SERVICE FLOOR BOX. INSTALL IN COMMON BOX WITH TELECOM/DATA AND/OR AV OUTLETS SHOWN AT THE SAME LOCATION.
	20A, 125V QUADRUPLEX TAMPER-RESISTANT RECEPTACLE INSTALLED IN SINGLE SERVICE FLOOR BOX WITH HINGED COVER.
	20A, 125V QUADRUPLEX ISOLATED GROUND TAMPER-RESISTANT RECEPTACLE INSTALLED IN MULTI-SERVICE FLOOR BOX. INSTALL IN COMMON BOX WITH TELECOM/DATA AND/OR AV OUTLETS SHOWN AT THE SAME LOCATION.
	SPECIAL RECEPTACLE. FLUSH MOUNTED IN FLOOR BOX. PROVIDE NEMA TYPE RECEPTACLE AS NOTED, UNLESS OTHERWISE REQUIRED BY EQUIPMENT.
	WALL MOUNTED (LEFT), CEILING MOUNTED (RIGHT) JUNCTION BOX.
	FLOOR MOUNTED JUNCTION BOX. CAST IRON WITH WEATHERPROOF COVER. FOR INSTALLATION IN KITCHEN AREAS, REFER TO DETAIL - KITCHEN FLOOR RECEPTACLE.
	FLOOR MOUNTED OUTLET IN FS DEVICE BOX WITH GASKETTED COVER. IN KITCHEN AREAS, REFER TO DETAIL - KITCHEN FLOOR RECEPTACLE.
	DUPLEX RECEPTACLE FLUSH MOUNTED IN SUSPENDED CEILING. UTILITIZE T-GRID BOX HANGER SUPPORTED FROM STRUCTURE. MAKE FINAL CONNECTION WITH FLEXIBLE WIRING METHOD TO J-BOX AT STRUCTURE.
	DUPLEX ISOLATED GROUND RECEPTACLE FLUSH MOUNTED IN SUSPENDED CEILING. UTILITIZE T-GRID BOX HANGER SUPPORTED FROM STRUCTURE. MAKE FINAL CONNECTION WITH FLEXIBLE WIRING METHOD TO J-BOX AT STRUCTURE.
	DUPLEX RECEPTACLE SUSPENDED FROM ABOVE. REFER TO POWER DROP DETAIL.
	DUPLEX ISOLATED GROUND RECEPTACLE SUSPENDED FROM ABOVE. REFER TO POWER DROP DETAIL.
	TELE-POWER POLE, WITH SEPARATE COMPARTMENTS FOR COMMUNICATIONS AND POWER CABLING. REFER TO SPECIFICATIONS.
	CEILING MOUNTED (LEFT) AND WALL WALL MOUNTED (RIGHT) EXIT SIGNS. SHADING INDICATES LIT FACES. SIDE TRIANGLES INDICATE EMERGENCY LAMP HEADS. ARROWS INDICATE CHEVRONS TO BE ILLUMINATED.
	LIGHTING FIXTURE, TYPE AS INDICATED BY CAPITAL LETTER. REFER TO LIGHTING FIXTURE SCHEDULE. LOWER CASE LETTER DESIGNATION INDICATES SWITCHING OR CONTROL ZONE. NUMERIC DESIGNATION INDICATES CIRCUIT.
	EMERGENCY LIGHTING FIXTURE WITH NOTATION AS ABOVE.
	SUSPENDED (TOP) OR SURFACE MOUNTED (BOTTOM) STRIP LIGHTING FIXTURE WITH NOTATION AS ABOVE.
	SUSPENDED (TOP) OR SURFACE MOUNTED (BOTTOM) STRIP EMERGENCY LIGHTING FIXTURE WITH NOTATION AS ABOVE.
	RECESSED DOWNLIGHT LIGHTING FIXTURE WITH NOTATION AS ABOVE.
	EMERGENCY RECESSED DOWNLIGHT LIGHTING FIXTURE WITH NOTATION AS ABOVE.
	WALL BATTERY PACK EMERGENCY LIGHTING FIXTURE WITH DESIGNATIONS AS ABOVE.
	20A, 120/277V SPST LIGHTING TOGGLE SWITCH. '2' DENOTES DPST. '3' DENOTES 3-WAY. '4' DENOTES 4-WAY. 'K' DENOTES KEY OPERATED SWITCH. 'MC' DENOTES MOMENTARY CONTACT. 'D' DENOTES DIMMER WITH 0-10V OUTPUT. 'HOA' DENOTES HAND/OFF/AUTO.
	MOTOR RATED SWITCH (MANUAL MOTOR STARTER WITHOUT OVERLOADS) IN A NEMA 250 TYPE 1 ENCLOSURE. SINGLE POLE, 16A RATED, UNLESS OTHERWISE NOTED.
	DISCONNECT SWITCH, NON-FUSED UNLESS OTHERWISE NOTED. NEMA TYPE PER ENVIRONMENT. AMPERE RATING PER CONNECTION SCHEDULE.
	DISCONNECT SWITCH, FUSED UNLESS OTHERWISE NOTED. NEMA TYPE PER ENVIRONMENT. AMPERE RATING PER CONNECTION SCHEDULE.
	MAGNETIC MOTOR STARTER, FURNISHED BY DIVISION 23, INSTALLATION AND POWER WIRING BY DIVISION 26.
	DRY TYPE VENTILATED TRANSFORMER.
	480Y/277 VAC PANELBOARD (LEFT) AND 208Y/120 VAC PANELBOARD (RIGHT).
	MOTOR. HORSEPOWER RATING AS INDICATED; F INDICATES HORSEPOWER RATING LESS THAN 1/10.
	CONTRACTOR IN SURFACE WALL MOUNTED ENCLOSURE.
	EMERGENCY LIGHTING INVERTER, WALL MOUNTED UNLESS OTHERWISE NOTED. TEXT INDICATES OUTPUT POWER CAPACITY
	20A, 125V DUPLEX RECEPTACLE (LEFT) QUAD RECEPTACLE (RIGHT) INSTALLED IN POKE-THRU DEVICE.
	20A, 125V DUPLEX ISOLATED GROUND RECEPTACLE (LEFT) AND QUAD ISOLATED GROUND RECEPTACLE (RIGHT) INSTALLED IN POKE-THRU DEVICE.
	J-HOOK SYSTEM FOR SUPPORT OF COMMUNICATIONS & PROTECTION CONDUCTORS. SEE SPECIFICATIONS.
	MECHANICAL CONTROL DEVICES (SENSOR, THERMOSTAT, WALL SWITCH, INTERVAL TIMER, NIGHT SETBACK, HUMIDISTAT, CO2 SENSOR, EMERGENCY STOP) TO BE INSTALLED BY DIVISION 23. ELECTRICAL CONTRACTOR SHALL PROVIDE A FLUSH WALL MOUNTED OUTLET BOX WITH CONDUIT STUBBED OUT 6" ABOVE TYPE 2 CEILING WITH BUSHED OPENING AT LOCATION SHOWN. WHERE MULTIPLE DEVICES ARE SHOWN WITHIN A SINGLE RECTANGLE, MULTIPLE DEVICES WILL BE INSTALLED IN A SINGLE OUTLET BOX LOCATION. WALL SWITCH SHALL BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. VERIFY BOX REQUIREMENTS AND MOUNTING HEIGHTS WITH DIVISION 23 AND/OR CONTROLS CONTRACTOR PRIOR TO INSTALLATION.

LIGHTING CONTROL SYMBOLS LEGEND

note: all symbols do not necessarily appear on drawings

	CEILING MOUNTED OCCUPANCY SENSOR, DUAL TECHNOLOGY TYPE. 'L' DENOTES LARGE AREA. 'S' DENOTES SMALL AREA COVERAGE. SUBSCRIPT 'D' DENOTES DIGITAL SENSOR FOR OPERATION WITH DIGITAL ROOM CONTROLLER.
	LIGHTING CONTROL POWER PACK OR SLAVE PACK, WITH 24V CABLING TO SENSOR DEVICES IN SAME ZONE/SPACE.
	PHOTOCELL CONTROL, WITH CABLING TO TIME SWITCH OR CONTACTOR WHEN USED TO INDIRECTLY CONTROL LIGHTING CIRCUIT(S).

LIGHTING FIXTURE SCHEDULE

LIGHTING FIXTURE SCHEDULE												
Type	Lamp (Lumens)	Initial CCT	Voltage	Input Power	Mounting Height	Approved Manufacturers and Catalog Numbers						Type Comments
						Manufacturer 1	Model 1	Manufacturer 2	Model 2	Manufacturer 3	Model 3	
CV5	5500	3500 K	120	50 VA	RECESSED 2x4 LIGHT FIXTURE	NEWSTAR	57L24-D-C-L235-1-2/C-UN	OR APPROVED EQUAL				VANDAL RESISTANT .375" STATIC LENS.
CV5E	5500	3500 K	120	50 VA	RECESSED 2x4 LIGHT FIXTURE	NEWSTAR	57L24-D-C-L235-1-2/C-UN-E2	OR APPROVED EQUAL				SAME AS TYPE 'CV5' LIGHTING FIXTURE BUT PROVIDED WITH EMERGENCY BATTERY PACK PER SECTION 265100. PROVIDE REMOTE TEST SWITCH FOR EMERGENCY BATTERY OPERATION AT LOCATION SHOWN ON DRAWING. SWITCH SHALL CONTROL ALL EMERGENCY DRIVERS LOCATED IN THAT SPACE.
F	5000	4000 K	120	42 VA	SURFACE MOUNTED	METALUX	4SNLED-LD5-50SL-LW-UNV-L84 0-CD-1	LITHONIA	ZL1D-L48-SMR-5000LM-FST-MV OLT-40K-80CRI-WH	COLUMBIA	LCL4-40ML-E-U	SURFACE OR SUPENDED STRIP FIXTURE. COLOR: WHITE. LENS: ROUND, FROSTED, WIDE DISTRIBUTION.
FE	5000	4000 K	120	42 VA	SURFACE MOUNTED	METALUX	4SNLED-LD5-50SL-LW-UNV-L84 0-CD-1-EL14W	LITHONIA	ZL1D-L48-SMR-5000LM-FST-MV OLT-40K-80CRI-WH-E7W	COLUMBIA	LCL4-40ML-E-U-ELL14	SAME AS TYPE 'F' LIGHTING FIXTURE BUT PROVIDED WITH EMERGENCY BATTERY PACK PER SECTION 265100.
JCE	4000	4000 K	120	46 VA	EXTERIOR SURFACE MOUNTED @ 8'-0" AFF	LITHONIA	WST LED-2-10A700/40K-SR4	WIDELITE	ASW-32G1-NW-3L-UNV-SM-EBB	LSI	XGBWM3-FT-LED-48-450-NW-UE	PROVIDED W/ COLD WEATHER EMERGENCY BATTERY PACK PER SECTION 265100.
LV	4500	3500 K	120	50 VA	RECESSED 1x4 LIGHT FIXTURE	NEWSTAR	57L14-D-C-L235-2/C-UN	OR APPROVED EQUAL				VANDAL RESISTANT .375" STATIC LENS.
LVE	4500	3500 K	120	50 VA	RECESSED 1x4 LIGHT FIXTURE	NEWSTAR	57L14-D-C-L235-2/C-UN-E2	OR APPROVED EQUAL				SAME AS TYPE 'LV' LIGHTING FIXTURE BUT PROVIDED WITH EMERGENCY BATTERY PACK PER SECTION 265100.
X1V	LED	3500 K	120	6 VA	CEILING MOUNTED	LITHONIA	LE-S-W-1-R-ELN-VR	DUAL-LITE	SE-S-R-W-E-VTR	OR APPROVED EQUAL		COORDINATE MOUNTING WITH ARCHITECTURAL DRAWINGS. PROVIDE NICAD BATTERY PACK

MECHANICAL EQUIPMENT CONNECTION SCHEDULE NOTES:  
1. PROVIDE CONDUIT FOR CONTROL WIRING AS SHOWN ON DETAIL SHEET.  
2. FOR ALL HVAC EQUIPMENT, PROVIDE MINIMUM OF 1/2" C FROM ACCESSIBLE CEILING, CONTROL DEVICE AND/OR CONTROL PANEL TO UNIT CONNECTION POINT FOR CONTROL WIRING. LINE VOLTAGE CONTROL WIRING SHALL BE BY DIVISION 26. LOW-VOLTAGE CONTROL WIRING SHALL BE BY OTHERS.  
3. REFER TO MECHANICAL DRAWINGS FOR EXHAUST FAN INTERLOCK WITH LIGHTS. PROVIDE RELAY AS REQUIRED. COORDINATE WITH MECHANICAL CONTRACTOR.

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

Equipment ID	Voltage	Number of Poles	Disconnect Type	Enclosure Rating	Comments
ELECTRIC HEATER					
EH-1	208 V	2	PROVIDED WITH UNIT		
EH-2	208 V	2	PROVIDED WITH UNIT		
EH-3	208 V	2	PROVIDED WITH UNIT		
EH-4	208 V	2	PROVIDED WITH UNIT		
ELECTRIC WATER HEATER					
EW-1	208 V	2	30A NON-FUSED SAFETY SWITCH	NEMA 1	
EXHAUST FAN					
EF-1	120 V	1	MOTOR RATED SWITCH		NOTE 3
EF-2	120 V	1	MOTOR RATED SWITCH		NOTE 3
EF-3	120 V	1	MOTOR RATED SWITCH		NOTE 3
EF-4	120 V	1	MOTOR RATED SWITCH		NOTE 3
EF-5	120 V	1	MOTOR RATED SWITCH		NOTE 3
WALL HUNG HEAT PUMP					
WHP-1	208 V	3	60A FUSED SAFETY SWITCH	NEMA 3R	

SA&E PROJECT NUMBER

01-664-123

BID PACKAGE

BP-1

ISSUED FOR CONSTRUCTION

05-19-2022

REVISIONS

R #	Doc #	Date
1	AD2	05-24-2022

Southern A&E

7951 Troon Circle  
Austell, Ga 30168  
(770) 819-7777

architects & engineers

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FACILITY CODE NUMBER:  
NEW FACILITY FOR: 741-0387

TROUP HS BASEBALL/SOFTBALL LOCKERS

1920 HAMILTON RD, LAGRANGE, GA 30241

TROUP COUNTY SCHOOL SYSTEM

100 NORTH DAVIS ROAD LAGRANGE, GA 30241

LIGHTING FIXTURE SCHEDULE,  
MECHANICAL EQUIPMENT CONNECTION  
SCHEDULE & ELECTRICAL LEGENDS

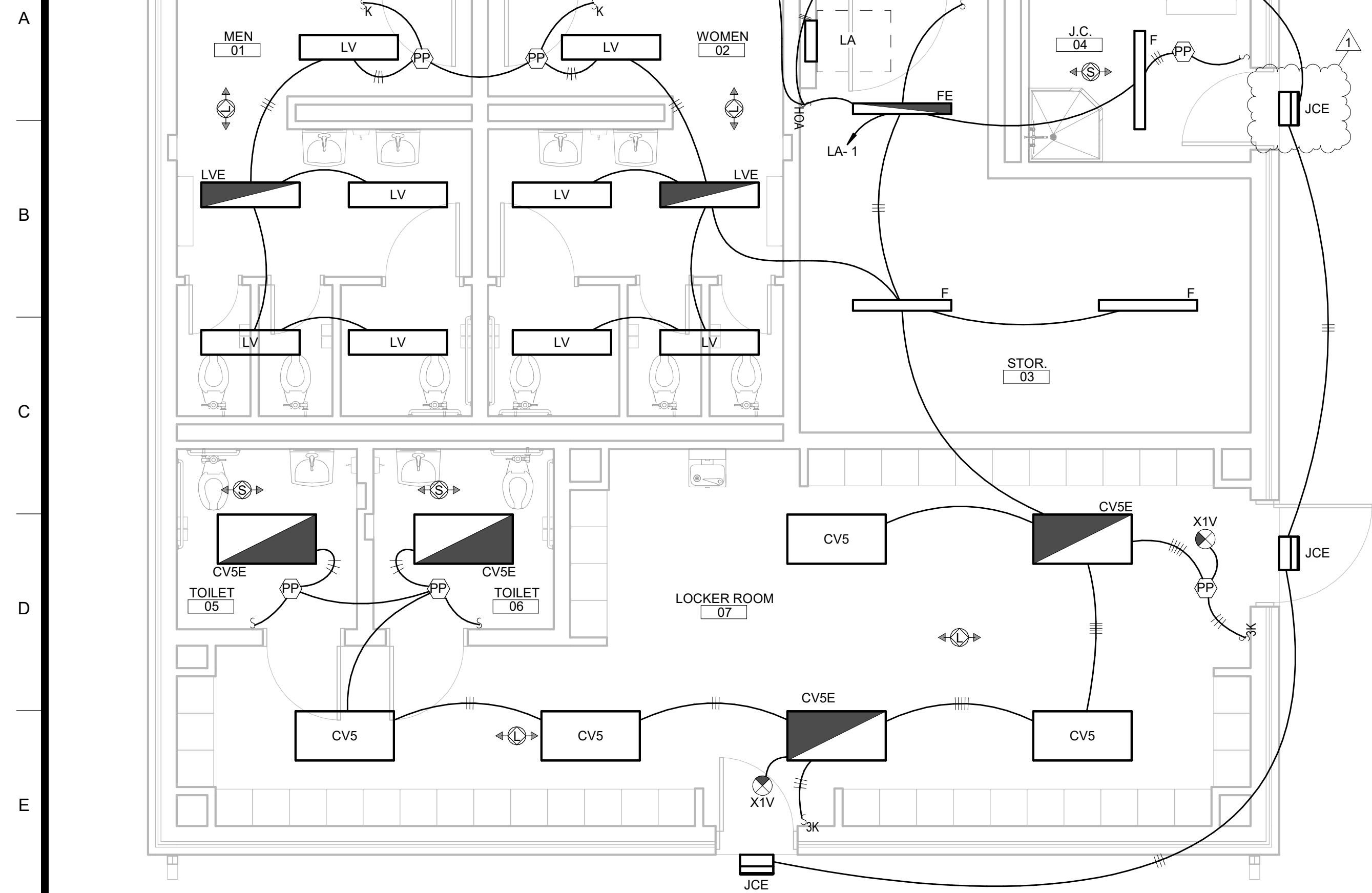
STATE BOARD OF REGISTRATION  
FOR PROFESSIONAL ENGINEERS AND  
LAND SURVEYORS

SOUTHERN A & E, LLC  
ENGINEER FIRM  
LICENCE NO: PE0003074  
EXP. DATE: 06/30/2022

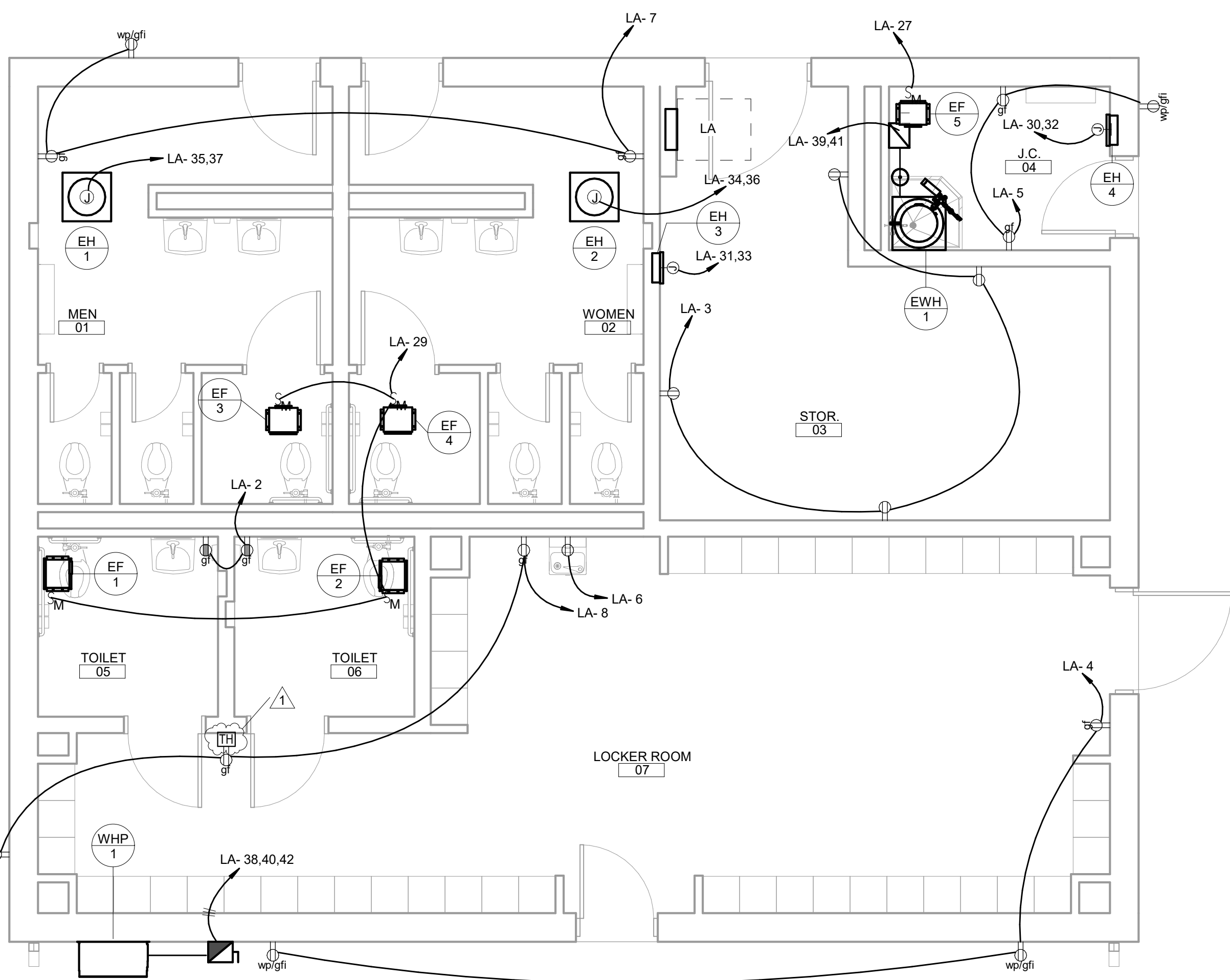
DRAWING NUMBER

E001

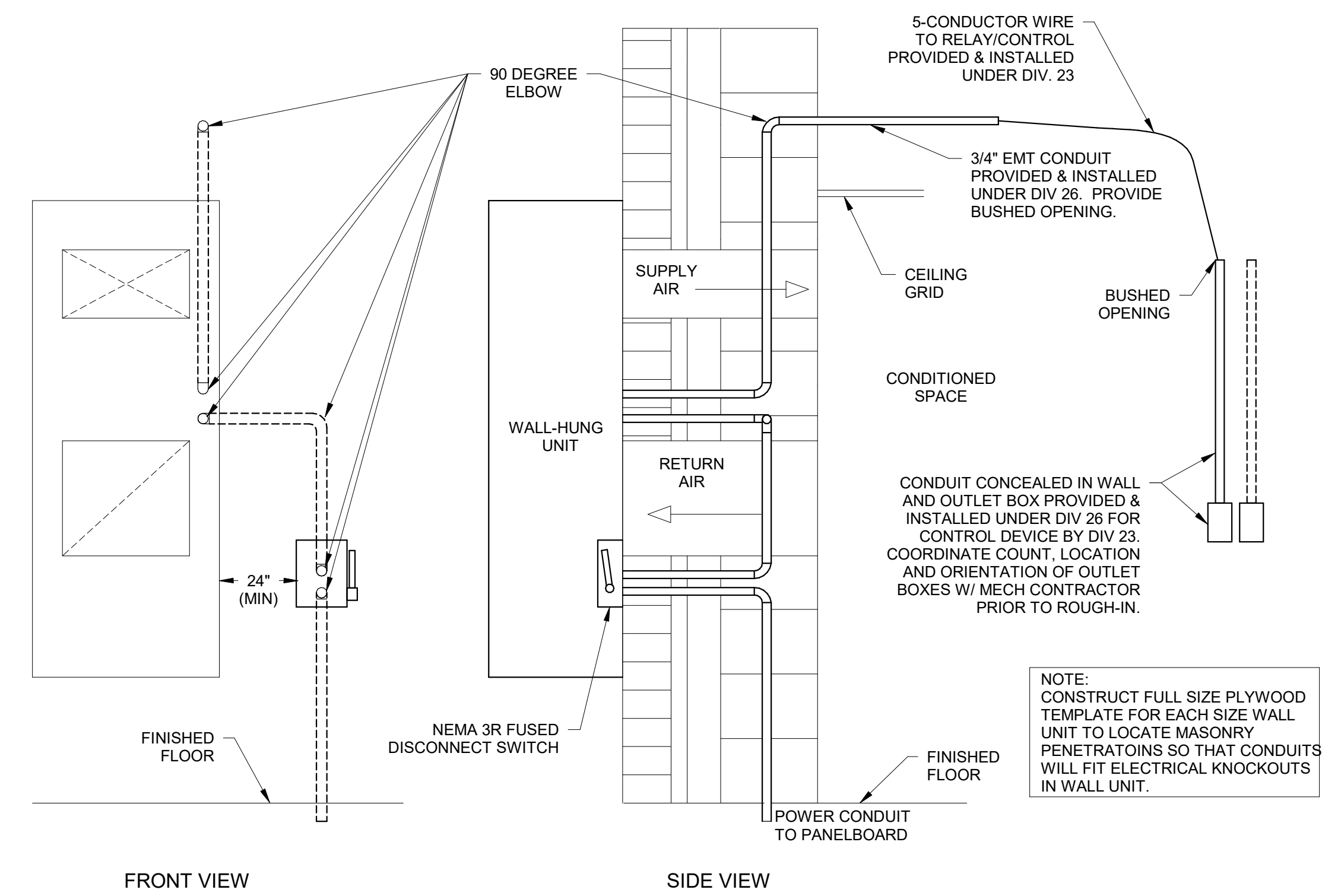




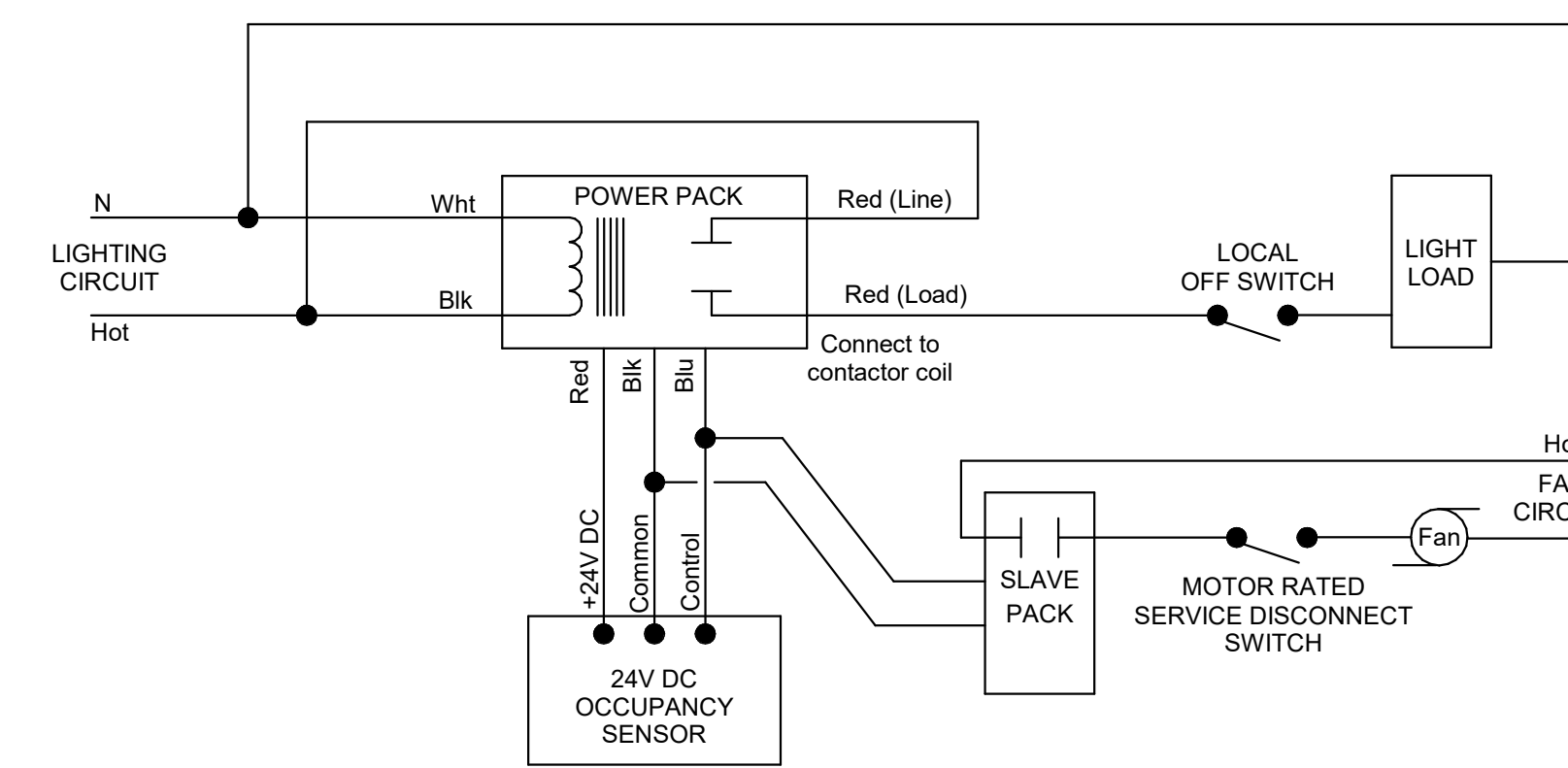
1 LIGHTING PLAN  
E101 1/4" = 1'-0"



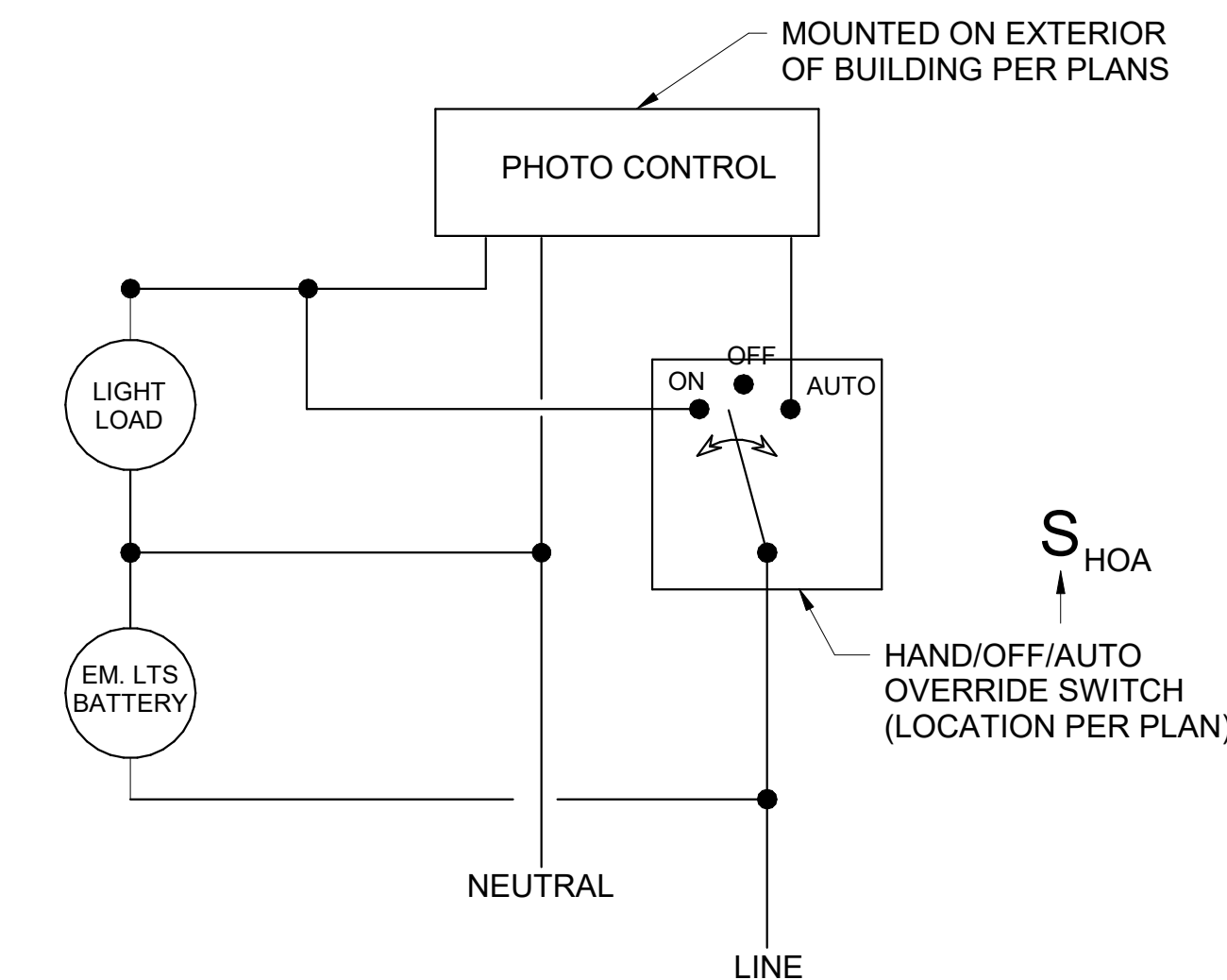
2 POWER PLAN  
E101 1/4" = 1'-0"



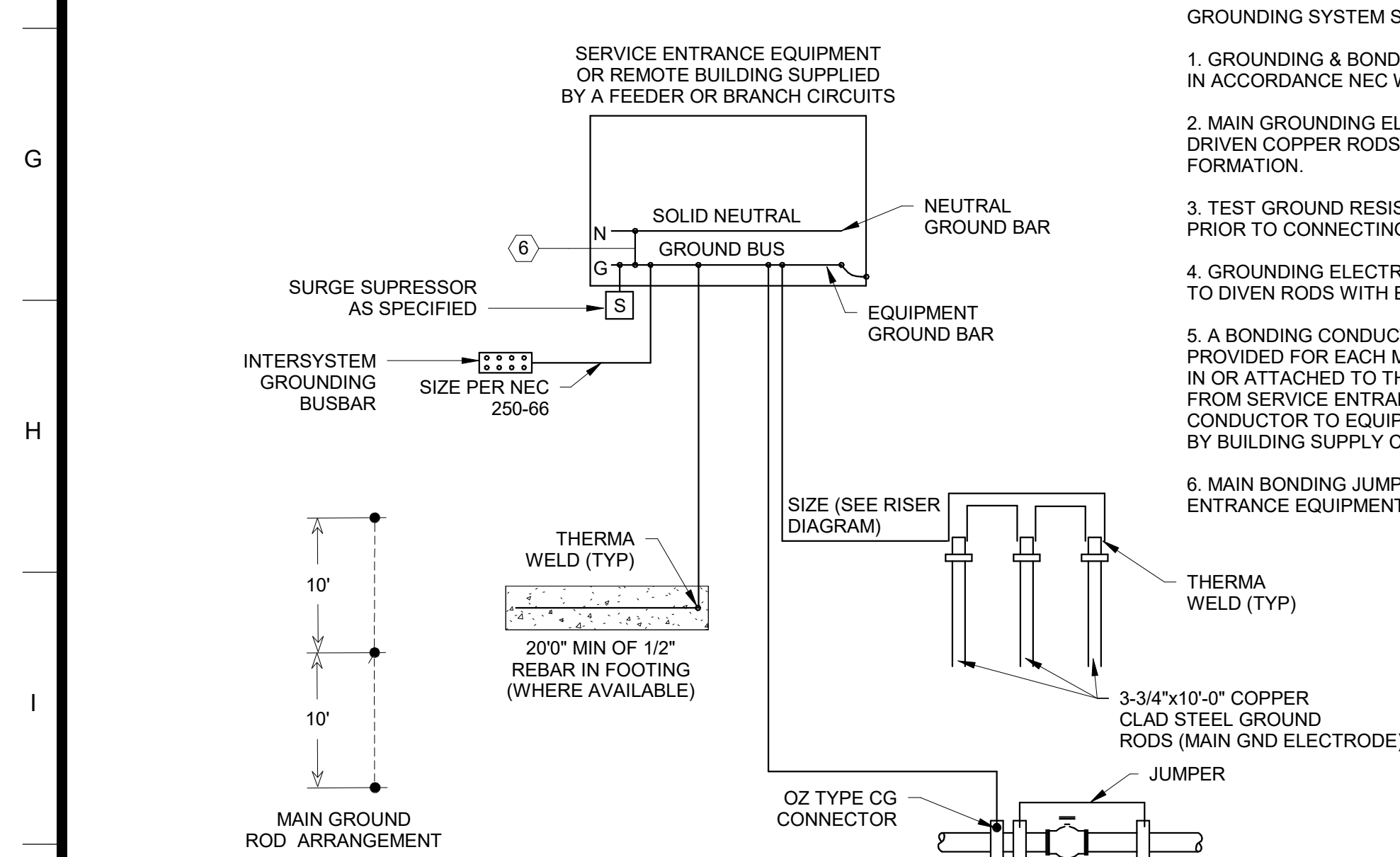
3 DETAIL - WALL UNIT CONTROL & POWER CONDUIT  
E101 NO SCALE



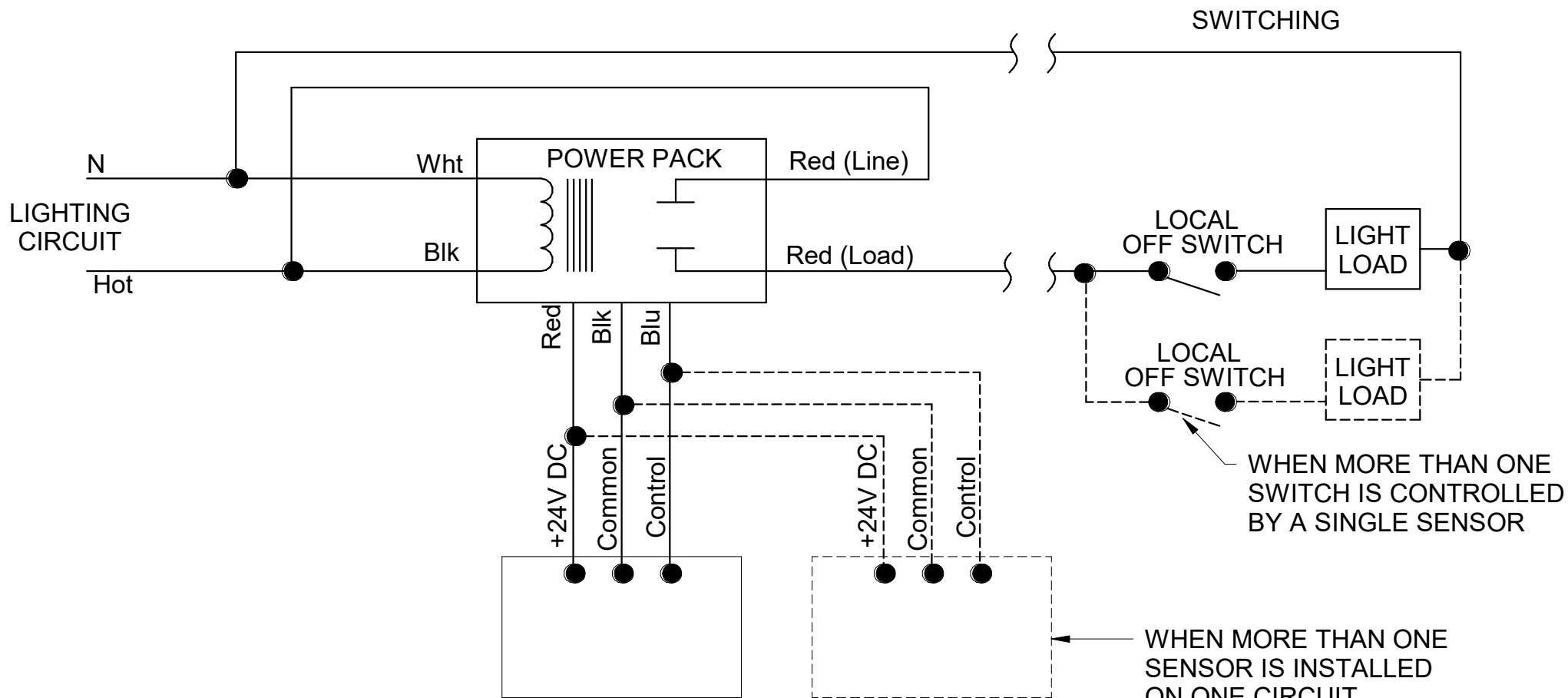
6 SCHEMATIC - SINGLE BATHROOM WITH EXHAUST FAN AND OCCUPANCY SENSOR  
E101 12" = 1'-0"



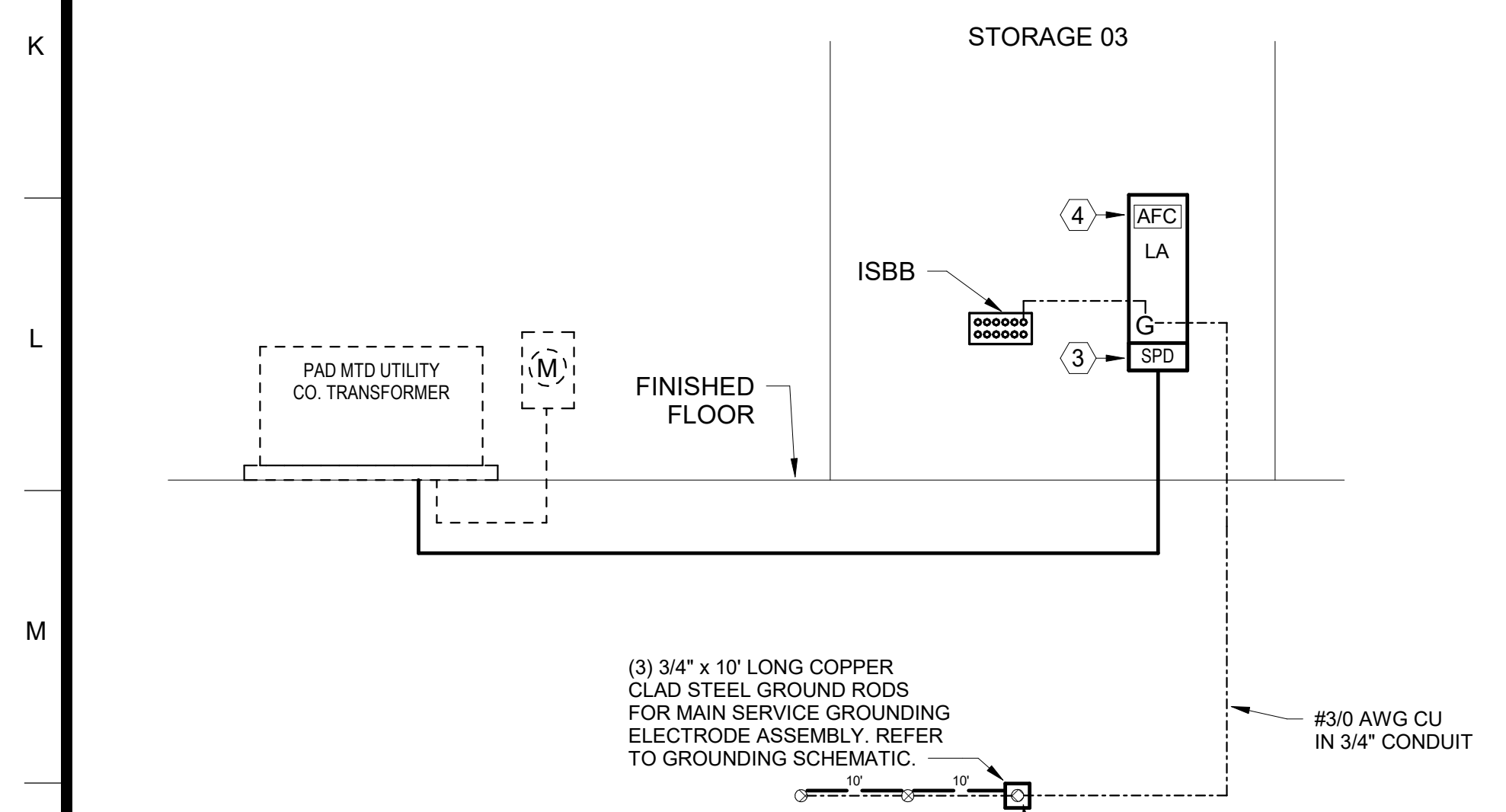
7 SCHEMATIC - EXTERIOR LIGHTING CONTROL  
HAND/OFF/AUTO SWITCH & PHOTOCELL  
E101 NO SCALE



4 SCHEMATIC - 208V ELECTRICAL GROUNDING SYSTEM  
E101 NO SCALE



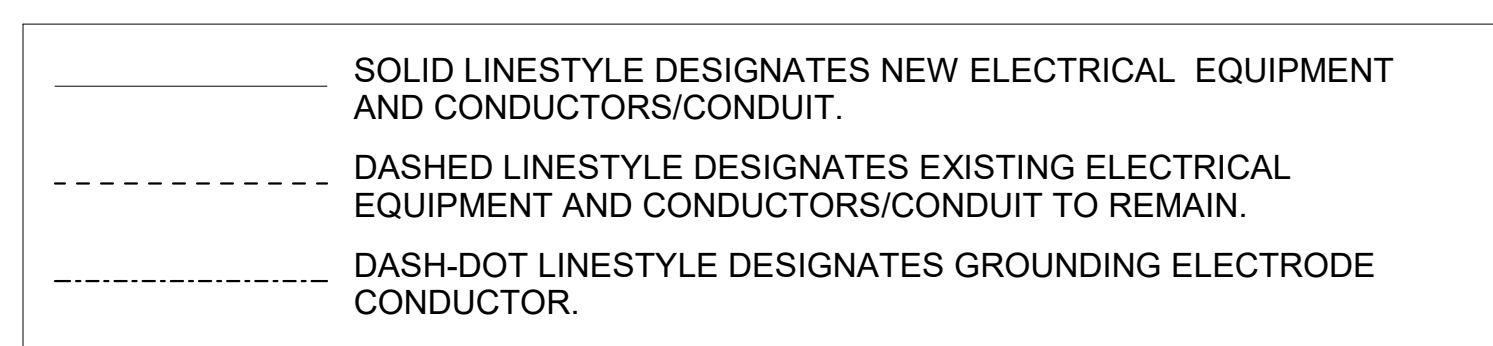
5 SCHEMATIC - CONNECTION OF LIGHT FIXTURES WITH OCCUPANCY SENSORS  
E101 NO SCALE



8 POWER RISER DIAGRAM  
E101 NO SCALE

- ELECTRICAL RISER DIAGRAM NOTES:
1. REFER TO PANELBOARD SCHEDULE FOR CONDUIT AND CONDUCTOR SIZES.
  2. REFER TO SHEET E002 AND 1/4" SCALE DRAWINGS FOR LOCATIONS OF PANELS
  3. SURGE PROTECTIVE DEVICE (SPD) PER SECTION 262413 AND/OR 262416. SPD SHALL INSTALLED BY AND SHIPPED FROM THE PANELBOARD AND/OR SWITCHBOARD MANUFACTURER'S FACTORY.
  4. PER NEC ARTICLE 110.24, PROVIDE BLACK PHENOLIC NAMEPLATE WITH WHITE LETTERING WITH MAXIMUM AVAILABLE FAULT CURRENT AND THE DATE IT WAS CALCULATED AND PERMANENTLY AFFIX TO SERVICE ENTRANCE EQUIPMENT. REFER TO SPECIFICATION SECTIONS 260553 FOR DETAILS.

### ELECTRICAL RISER LIFESTYLE LEGEND



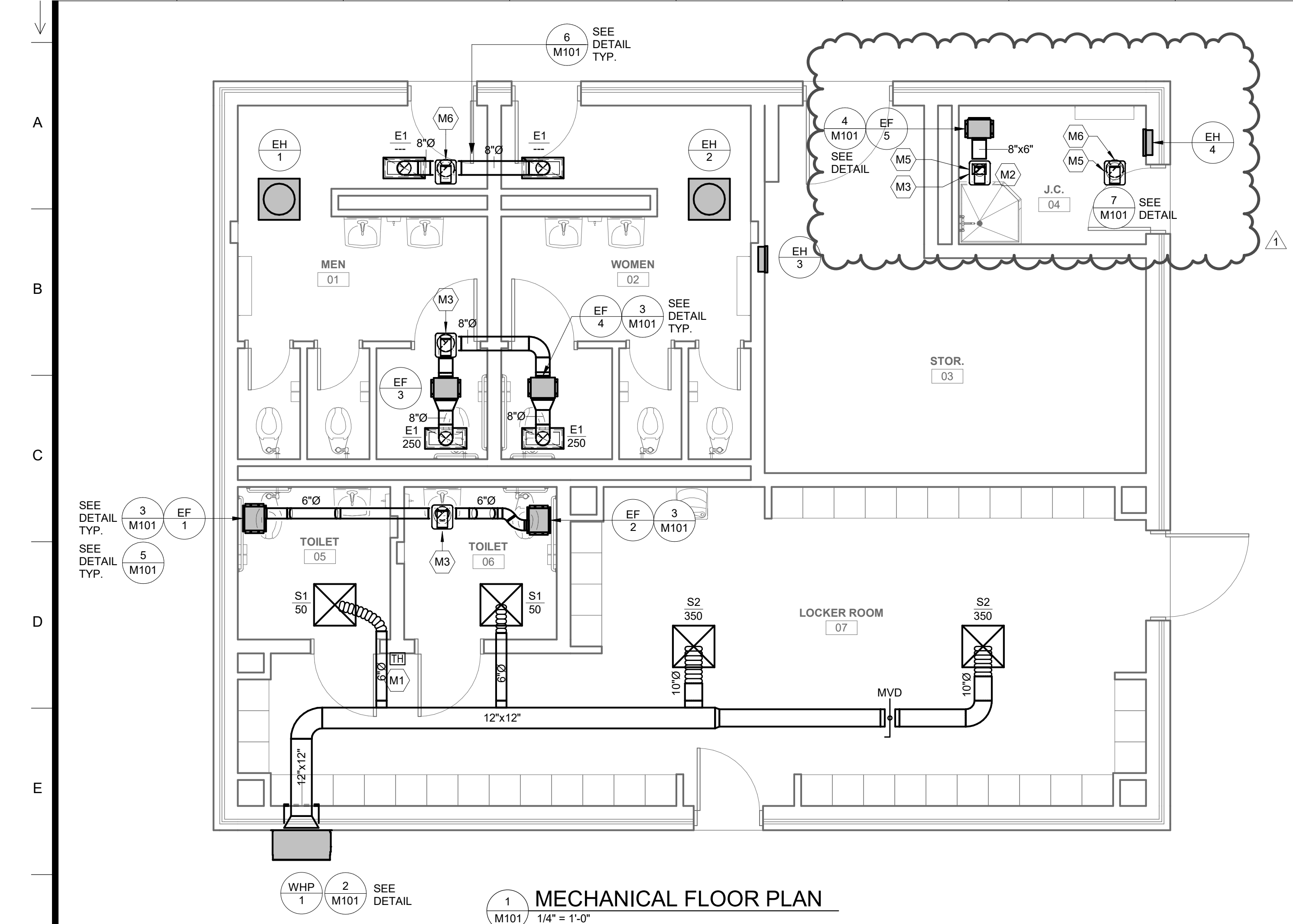
208Y/120V 3-Phase 4-Wire LIGHTING PANEL															Name: LA			
Mains: 150A Main molded case breaker															Min Sym IC: 10000			
Trim: Flush															Fed from: UTILITY			
Neutral: 5/8"															Provide UL SE Label			
Ground bar: As required for service entrance equipment															Feeder: Note 1			
CIR DESCRIPTION	CONDUIT	PHASE	NEUT	GND	TRIP	POLES	PHASE LOADS			POLES	TRIP	CONDUIT	PHASE	NEUT	GND	DESCRIPTION	CIR	
							A	B	C									
1 LIGHTS	Note 2	#12	#12	#12	20	1	1310				1	20	Note 2	#12	#12	#12	REC TOILETS	2
3 REC STORAGE	Note 2	#12	#12	#12	20	1	720				1	20	Note 2	#12	#12	#12	REC LOCKER ROOM	4
5 REC JANITOR	Note 2	#12	#12	#12	20	1	540			540	1	20	Note 2	#12	#12	#12	EDF LOCKER ROOM	6
7 REC PUBLIC RR	Note 2	#12	#12	#12	20	1	540			540	1	20	Note 2	#12	#12	#12	REC LOCKER ROOM	8
9 Space only	-	-	-	-	-	-	---			---	1	--	-	-	-	-	Space only	10
11 Space only	-	-	-	-	-	-	---			---	1	--	-	-	-	-	Space only	12
13 Space only	-	-	-	-	-	-	---			---	1	--	-	-	-	-	Space only	14
15 Space only	-	-	-	-	-	-	---			---	1	--	-	-	-	-	Space only	16
17 Space only	-	-	-	-	-	-	---			---	1	--	-	-	-	-	Space only	18
19 Space only	-	-	-	-	-	-	---			---	1	--	-	-	-	-	Space only	20
21 SPARE	-	-	-	-	-	-	---			---	1	20	-	-	-	-	SPARE	22
23 SPARE	-	-	-	-	-	-	---			---	1	20	-	-	-	-	SPARE	24
25 SPARE	-	-	-	-	-	-	---			---	1	20	-	-	-	-	SPARE	26
27 EH-3	1/2"	#10	-	#10	25	2	2000			2000	1	20	-	-	-	-	SPARE	28
29 -	-	#10	-	-	-	-	2000			2000	2	25	1/2"	#10	-	#10	EH-4	30
31 EH-1	1/2"	#10	-	#10	25	2	2000			2000	2	25	1/2"	#10	-	#10	-	32
33 -	-	#10	-	-	-	-	2000			2000	2	25	1/2"	#10	-	#10	EH-2	34
35 EF-5	Note 2	#12	#12	#12	15	1	20			22	-	-	-	#10	-	-	-	36
37 EF-1,2,3,4	Note 2	#12	#12	#12	15	1	170			2737	3	35	3/4"	#8	-	#10	WHP-1	38
39 EWH-1	1/2"	#10	-	#10	25	2	1750			2750	-	-	-	#8	-	-	-	40
41 -	-	#10	-	-	-	-	1750			2736	-	-	-	#8	-	-	-	42
Phase load totals							A	B	C									
							9657											
							11747											
							11648											

Notes for LA:

Notes for LA:  
1 Feeder is (1) 1-1/2" - #1/0 THWN Copper  
2 A maximum of 3 phases, 1 neutral and 1 ground may be combined per conduit without derating  
3 Provide GFCI - circuit 6

SA&E PROJECT NUMBER		01-664-123	
BID PACKAGE		BP-1	
ISSUED FOR CONSTRUCTION		05-19-2022	
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		R #	Doc # Date
		1	AD2 05-24-2022
FACILITY CODE NUMBER: NEW FACILITY FOR: 741-0387		TROUP HS BASEBALL/SOFTBALL LOCKERS	
1920 HAMILTON RD, LAGRANGE, GA 30241		TROUP COUNTY SCHOOL SYSTEM	
100 NORTH DAVIS ROAD LAGRANGE, GA 30241		ELECTRICAL PLANS, RISER DIAGRAM, & PANELBOARD SCHEDULE	
		DRAWING NUMBER	
		E101	





1 MECHANICAL FLOOR PLAN  
1/4" = 1'-0"

WALL HUNG HEAT PUMP SCHEDULE												
NOTES:												
1. REFER TO SPECIFICATION SECTION 238119 FOR FEATURES.												
2. REFER TO SPECIFICATION SECTION 230900 AND 230993 FOR CONTROLS.												
3. REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL CHARACTERISTICS.												
4. PROVIDE EACH WHP WITH AN AIR TREATMENT SYSTEM CONTROLLING CONTAMINANTS OF CONCERN AND MEETING THE REQUIREMENTS OF THE INDOOR AIR QUALITY PROCEDURE OF ASHRAE 62.1. AIR TREATMENT SYSTEM MUST BE FULLY ENCLOSED IN THE EQUIPMENT AND POWERED BY 24 VOLT CIRCUIT THROUGH THE UNIT. SUPPLIER SHALL PROVIDE A LETTER STATING THAT THEIR AIR TREATMENT SYSTEM MEETS ALL REQUIREMENTS OF ASHRAE 62.1 FOR REDUCTION OF OUTSIDE AIR AS WELL AS SUBMIT ALL SUPPORTING DOCUMENTATION AND CALCULATIONS.												
5. PROVIDE EACH UNIT WITH RETURN GRILLE. RETURN AIR GRILLE SHALL BE HORIZONTAL FIXED BLADE 1/2" SPACING, 30° DEFLECTION GRILLE - BARD "RSGW" SERIES RETURN AIR GRILLE (OR APPROVED EQUIVALENT).												
6. PROVIDE UNIT WITH PROGRAMMABLE THERMOSTAT CAPABLE OF CONTROLLING DEHUMIDIFICATION OPERATION DURING OCCUPIED MODE, BARD MODEL 8403-060 OR EQUIVALENT. PROVIDE THERMOSTAT WITH LOCKABLE COVER.												
NUMBER	SUPPLY AIR (CFM)	OUTSIDE AIR (CFM)	E.S.P. (IN. W.C.)	FAN MOTOR H.P.	TOTAL CAP. (BTU/HR)	SENSIBLE CAP. (BTU/HR)	EAT D.B. (°F)	EAT W.B. (°F)	OD AMB (°F)	OUTPUT CAP. (BTU/HR)	OD AMB (°F)	ADD. HTG. (kW)
WHP - 1	800	150	0.2	0.17	24,600	18,100	80	67	95	23,400	47	6

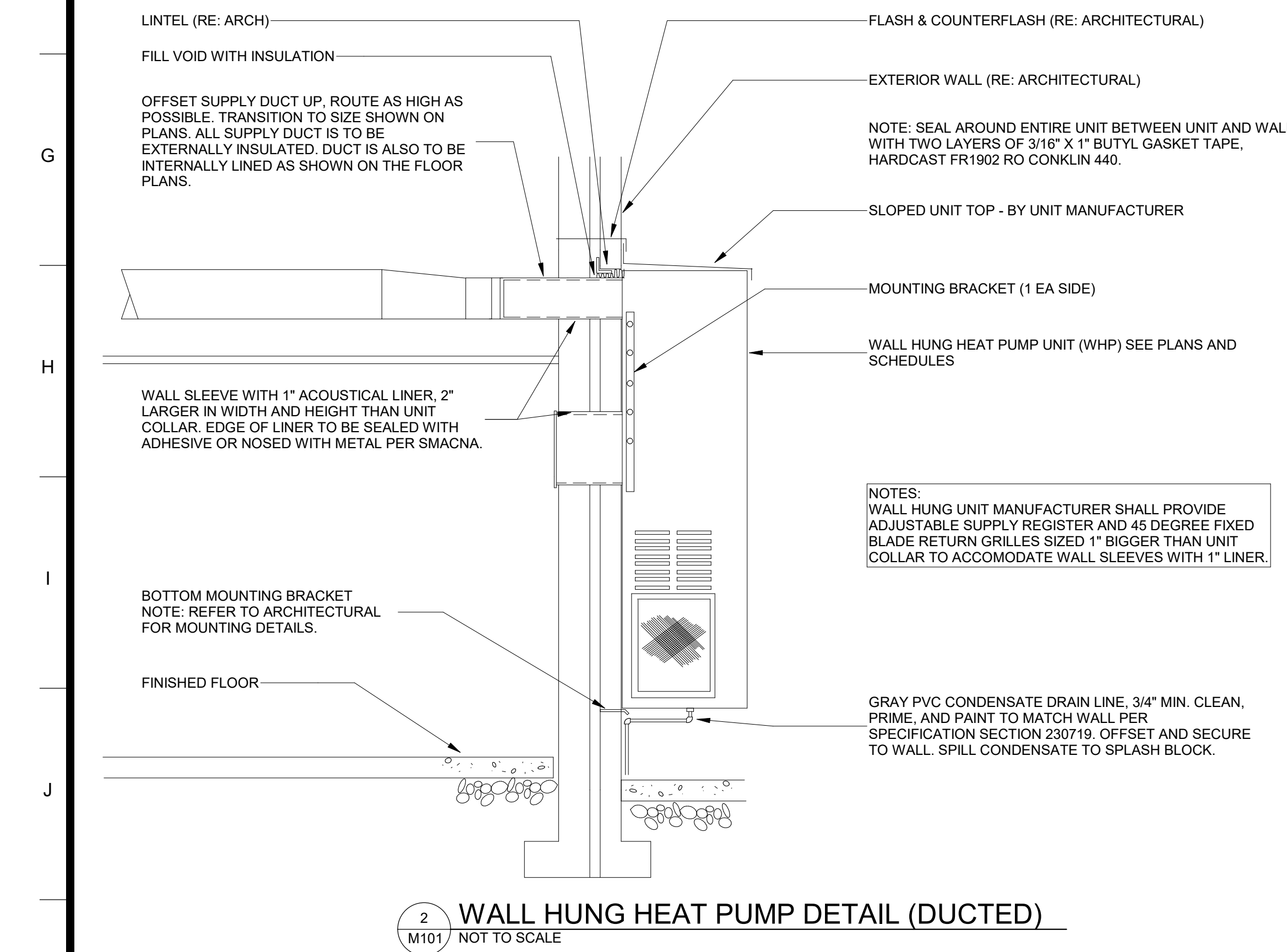
AIR DISTRIBUTION SCHEDULE												
NOTES:												
1. REFER TO SPECIFICATION SECTION 233713 FOR FEATURES.												
2. ALL SUPPLY-AIR DIFFUSERS SHALL BE FACTORY INSULATED, FOIL-BACKED TYPE.												
3. ALL SIDEWALL MOUNTED DEVICES SHALL BE FACTORY PRIMED FOR FIELD PAINTING TO MATCH THE WALL PER SPECIFICATION SECTION 099123.												
4. PROVIDE SQUARE MOUNT FRAME FOR ALL DIFFUSERS / GRILLES THAT ARE LOCATED WITH GYPSUM BOARD CEILING. REFER TO ARCHITECTURAL CEILING PLAN.												
5. PROVIDE SURFACE TO ROUND ADAPTERS FOR EXHAUST/RETURN GRILLES AS REQUIRED.												
6. SEE WALL HUNG UNIT SCHEDULE FOR ADDITIONAL DEVICES.												
TYPE	MAX AIRFLOW (CFM)	FACE SIZE	NOMINAL NECK SIZE	THROW	FUNCTION	MANUFACTURER	MAX NC RATING	DESCRIPTION				
E1	750	24"x12"	22"x10"	---	EXHAUST	PRICE 80	20	W/ SHEET METAL PLENUM, FULL SIZE OF GRILLE FACE				
S1	90	24"x24"	6"Ø	4-WAY	SUPPLY	PRICE SCD	20	W/ FACTORY INSULATED METAL BACK PAN				
S2	380	24"x24"	10"Ø	4-WAY	SUPPLY	PRICE SCD	20	W/ FACTORY INSULATED METAL BACK PAN				

EXHAUST FAN SCHEDULE						
NOTES:						
1. REFER TO SPECIFICATION SECTION 233423 FOR FEATURES.						
2. REFER TO SPECIFICATION SECTION 230900 AND 230900 FOR CONTROLS.						
3. REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL CHARACTERISTICS.						
4. CEILING MOUNTED EXHAUST FANS SHALL BE INSTALLED WITH MANUFACTURER'S ALUMINUM GRILLE.						
NUMBER	CFM	E.S.P. (IN. W.C.)	MAX. SOUND LEVEL (SONES)	DRIVE TYPE	FAN MOTOR (W)	FAN CONTROLLED BY
EF - 1	75	0.1	0.4	DIRECT	16	GREENHECK SP-B70 INTERLOCK WITH LIGHT SWITCH
EF - 2	75	0.1	0.4	DIRECT	16	GREENHECK SP-B70 INTERLOCK WITH LIGHT SWITCH
EF - 3	250	0.1	1.5	DIRECT	63	GREENHECK CSP-A250 INTERLOCK WITH LIGHT SWITCH
EF - 4	250	0.1	1.5	DIRECT	63	GREENHECK CSP-A250 INTERLOCK WITH LIGHT SWITCH
EF - 5	125	0.15	0.3	DIRECT	53	GREENHECK CSP-A125 INTERLOCK WITH LIGHT SWITCH

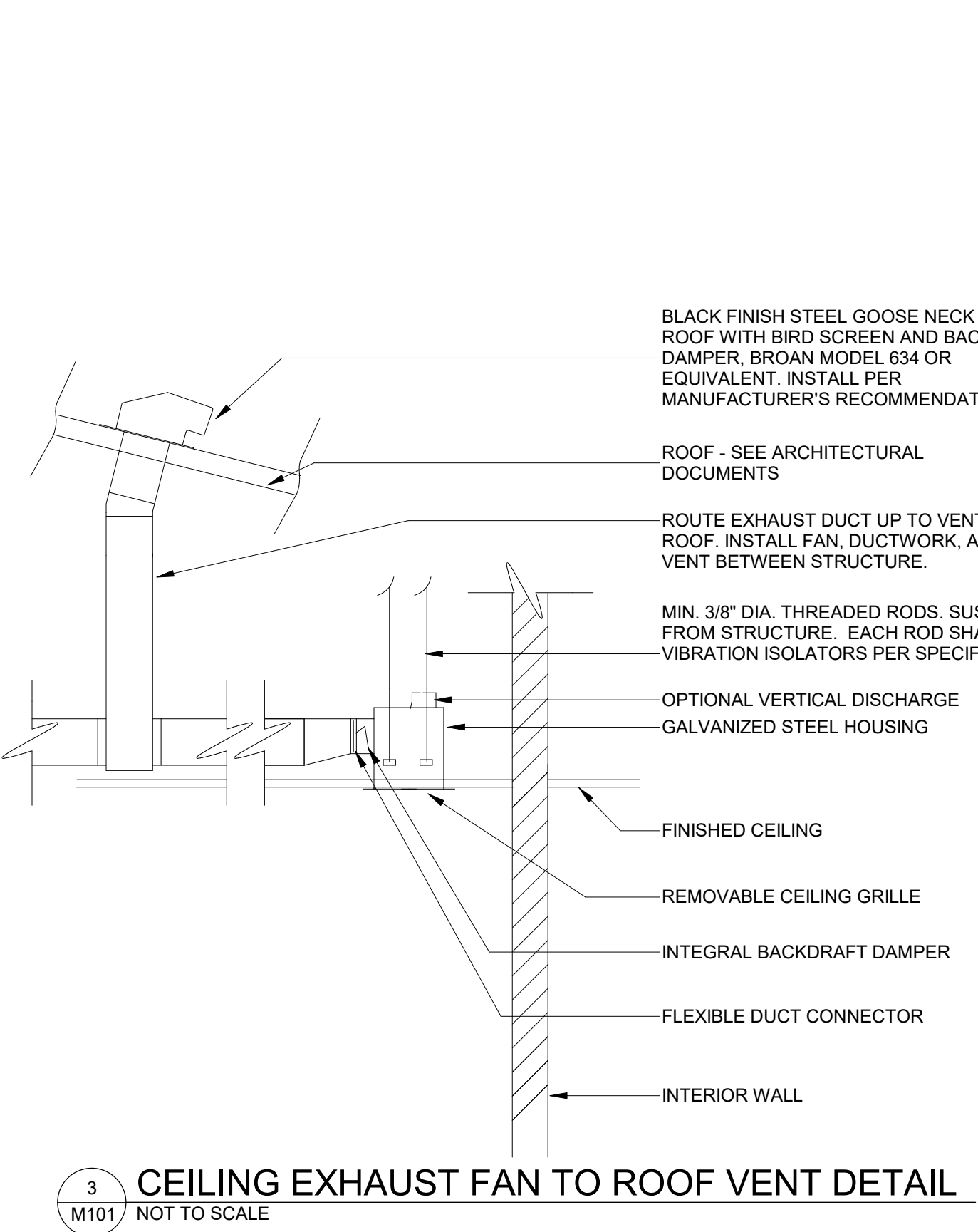
GENERAL CONSTRUCTION NOTES	
THESE DRAWINGS ARE SCHEMATIC IN NATURE AND NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. THE CONTRACTOR SHALL COORDINATE WITH THE RESPECTIVE DISCIPLINES TO VERIFY ALL DIMENSIONS AND METHODS OF CONSTRUCTION.	
ALL DUCTWORK SHALL BE FABRICATED AND ERECTED PER SMACNA STANDARDS. SEE SPECIFICATION FOR PRESSURE CLASS. ALL DUCT SIZES SHOWN ARE NET FREE AREA. WHERE INTERNAL LINER IS INDICATED THE DUCT SIZE SHALL BE INCREASED TO COMPENSATE FOR THE LINER.	
ALL SQUARE TO ROUND DUCT TRANSITIONS SHALL BE SMOOTH SQUARE TO ROUND TRANSITIONS.	
PORTIONS OF DUCTWORK VISIBLE THROUGH GRILLES AND REGISTERS IN FINISHED AREAS SHALL BE PAINTED FLAT BLACK. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED AIR DISTRIBUTION DEVICES. IF A DEVICE IS NOT SHOWN ON THE REFLECTED CEILING PLAN, A SHOP DRAWING SHALL BE SUBMITTED FOR ARCHITECTS/ENGINEERS APPROVAL.	
THE CONTRACTOR SHALL COORDINATE ALL FLOOR AND SLAB PENETRATIONS WITH THE ARCHITECT. TRANSITION ALL DUCTWORK ON THE BOTTOM AND SIDES UNLESS OTHERWISE INDICATED. MAINTAIN DUCTWORK HIGH AS POSSIBLE.	
COORDINATE VOLTAGE AND PHASE OF EACH PIECE OF MECHANICAL EQUIPMENT WITH DIVISION 26 CONTRACTOR PRIOR TO SUBMITTING AND/OR PURCHASING THE EQUIPMENT. NO ALLOWANCES WILL BE MADE FOR EQUIPMENT DELIVERED TO THE JOB SITE WITH THE WRONG ELECTRICAL CHARACTERISTICS.	
ALL REFRIGERANT PIPING SHALL BE SIZED BY THE EQUIPMENT MANUFACTURER BASED ON LENGTH OF RUN AND AMOUNT OF CHARGE REQUIRED TO PROVIDE CAPACITIES SCHEDULED.	
AT ALL DUCT MOUNTED ELECTRIC RESISTANCE AND/OR FUEL BURNING HEATERS WHERE INTERNAL DUCT LINER IS SHOWN, THE LINING SHALL BE INTERRUPTED FOR A MINIMUM OF 6 INCHES UPSTREAM AND 6 INCHES DOWNSTREAM OF THESE DEVICES. WHERE DUCT LINER HAS BEEN INTERRUPTED, WRAP WITH BLANKET TYPE DUCT INSULATION AND IN CONFORMANCE WITH SPECIFICATION SECTION 230713.	
SEAL ALL DUCT PENETRATIONS OF SMOKE RESISTIVE ASSEMBLIES.	
LOCATE ALL THERMOSTATS, INTERVAL TIMERS, NIGHT SETBACKS, WALL SWITCHES, SENSORS, AND ANY OTHER HVAC CONTROL DEVICES SUCH THAT THEY DO NOT INTERFERE WITH CHALKBOARDS, TACKBOARDS, TEACHER'S CABINETS, DOORSWINGS, MILLWORK, ETC.	

KEYNOTE SCHEDULE	
#	KEYNOTE DESCRIPTION
M1	FURNISH AND INSTALL THERMOSTAT WITH LOCKABLE COVER BOX.
M2	ROUTE EXHAUST DUCT FROM EXHAUST FAN UP TO BLACK FINISH STEEL GOOSE NECK VENT ON ROOF WITH BIRD SCREEN AND BACKDRAFT DAMPER, BROAN MODEL 634 OR EQUIVALENT. INSTALL ROOF VENT PER MANUFACTURER'S RECOMMENDATION. INTERLOCK FAN OPERATION WITH MOTORIZED MAKEUP AIR DAMPER OPERATION. INTERLOCK CONTROL AND DAMPER MOTOR POWER BY DIVISION 23. CONDUIT, FAN POWER AND SWITCHING BY DIVISION 26.
M3	BLACK FINISH STEEL GOOSE NECK VENT ON ROOF WITH BIRD SCREEN, BROAN MODEL 634 OR EQUIVALENT. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
M5	PROVIDE SPRING LOADED FIRE DAMPER AT DUCT PENETRATION THROUGH FIRE RATED CEILING ASSEMBLY.
M6	ROUTE MAKEUP AIR DUCT MAKEUP AIR GRILLES UP TO BLACK FINISH STEEL GOOSE NECK VENT ON ROOF WITH BIRD SCREEN AND BACKDRAFT DAMPER, BROAN MODEL 634 OR EQUIVALENT. INSTALL ROOF VENT PER MANUFACTURER'S RECOMMENDATION. INTERLOCK FAN OPERATION WITH MOTORIZED MAKEUP AIR DAMPER OPERATION. INTERLOCK CONTROL AND DAMPER MOTOR POWER BY DIVISION 23. CONDUIT, FAN POWER AND SWITCHING BY DIVISION 26.

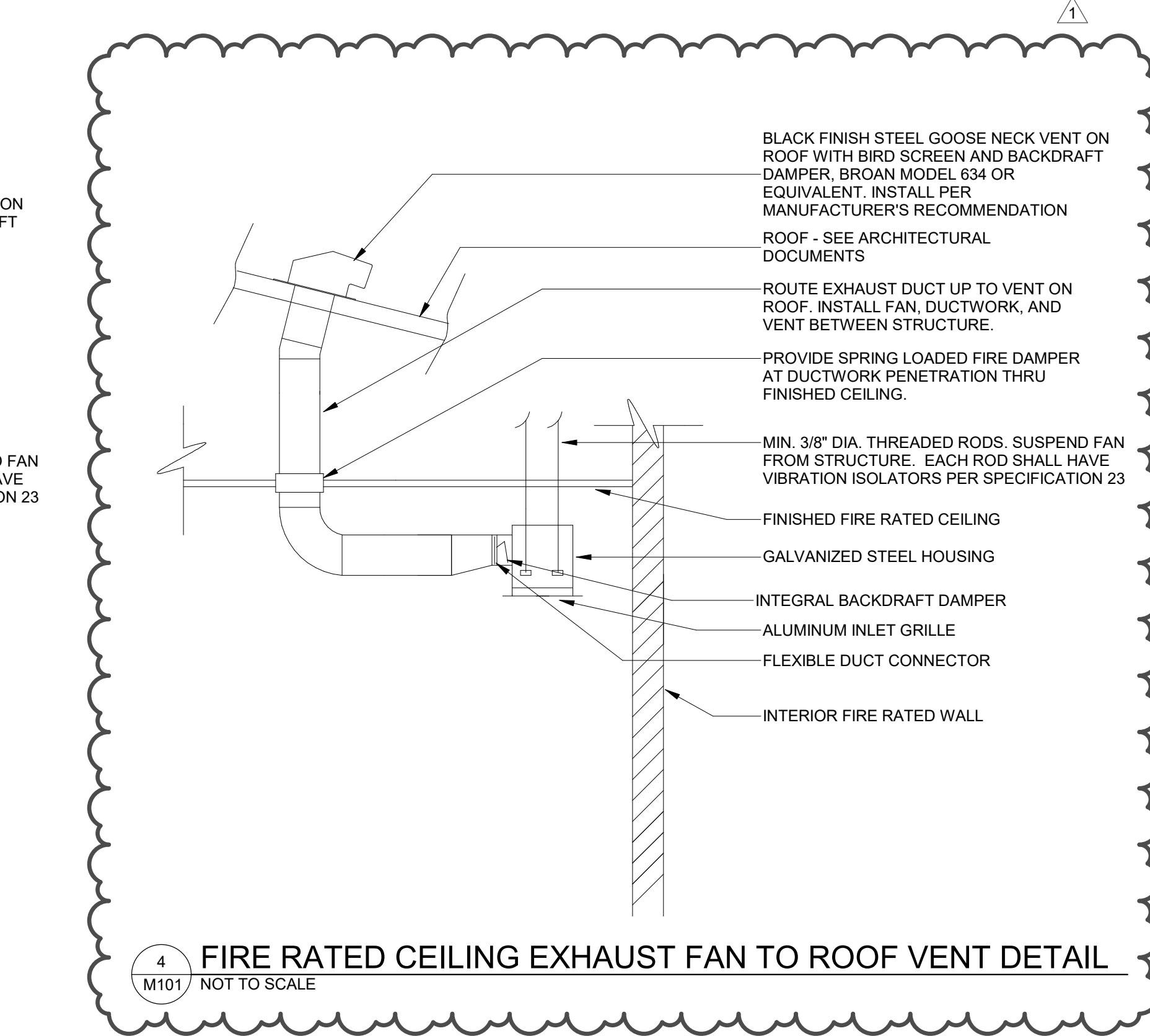
ELECTRIC HEATER SCHEDULE			
NOTES:			
1. REFER TO SPECIFICATION SECTION 230216.14 FOR FEATURES.			
2. REFER TO SPECIFICATION SECTION 230900 AND 230993 FOR CONTROLS.			
3. REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL CHARACTERISTICS.			
4. PROVIDE ALL WALL MOUNTED HEATERS WITH SURFACE MOUNTING FRAME.			
NUMBER	MOUNTING TYPE	KW	MANUFACTURER
EH - 1	CEILING	4	MARKEL 3480
EH - 2	CEILING	4	MARKEL 3480
EH - 3	WALL	4	MARKEL 3320HD
EH - 4	WALL	4	MARKEL 3320HD



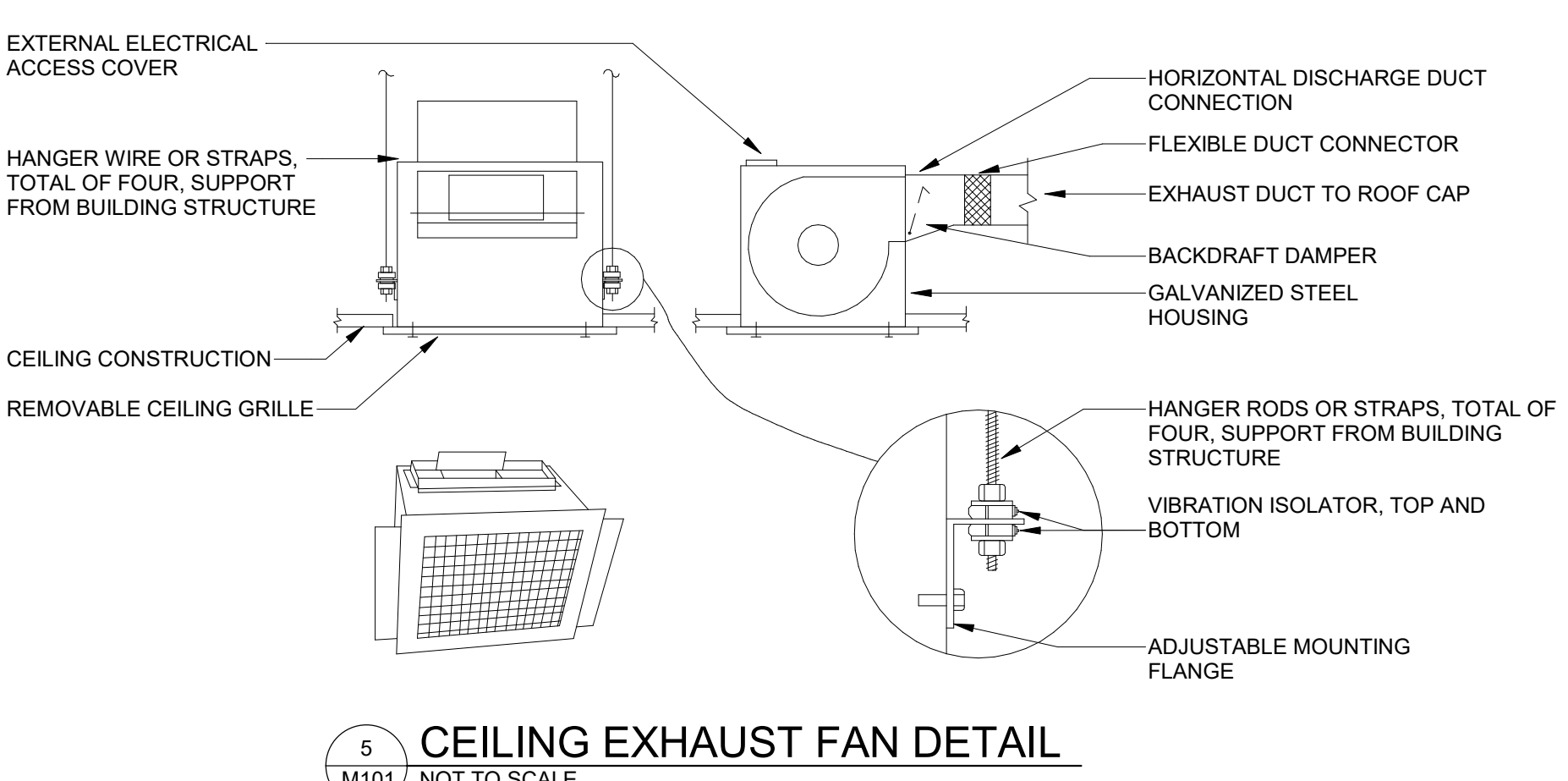
2 WALL HUNG HEAT PUMP DETAIL (DUCTED)  
1/4" = 1'-0"



3 CEILING EXHAUST FAN TO ROOF VENT DETAIL  
1/4" = 1'-0"



4 FIRE RATED CEILING EXHAUST FAN TO ROOF VENT DETAIL  
1/4" = 1'-0"

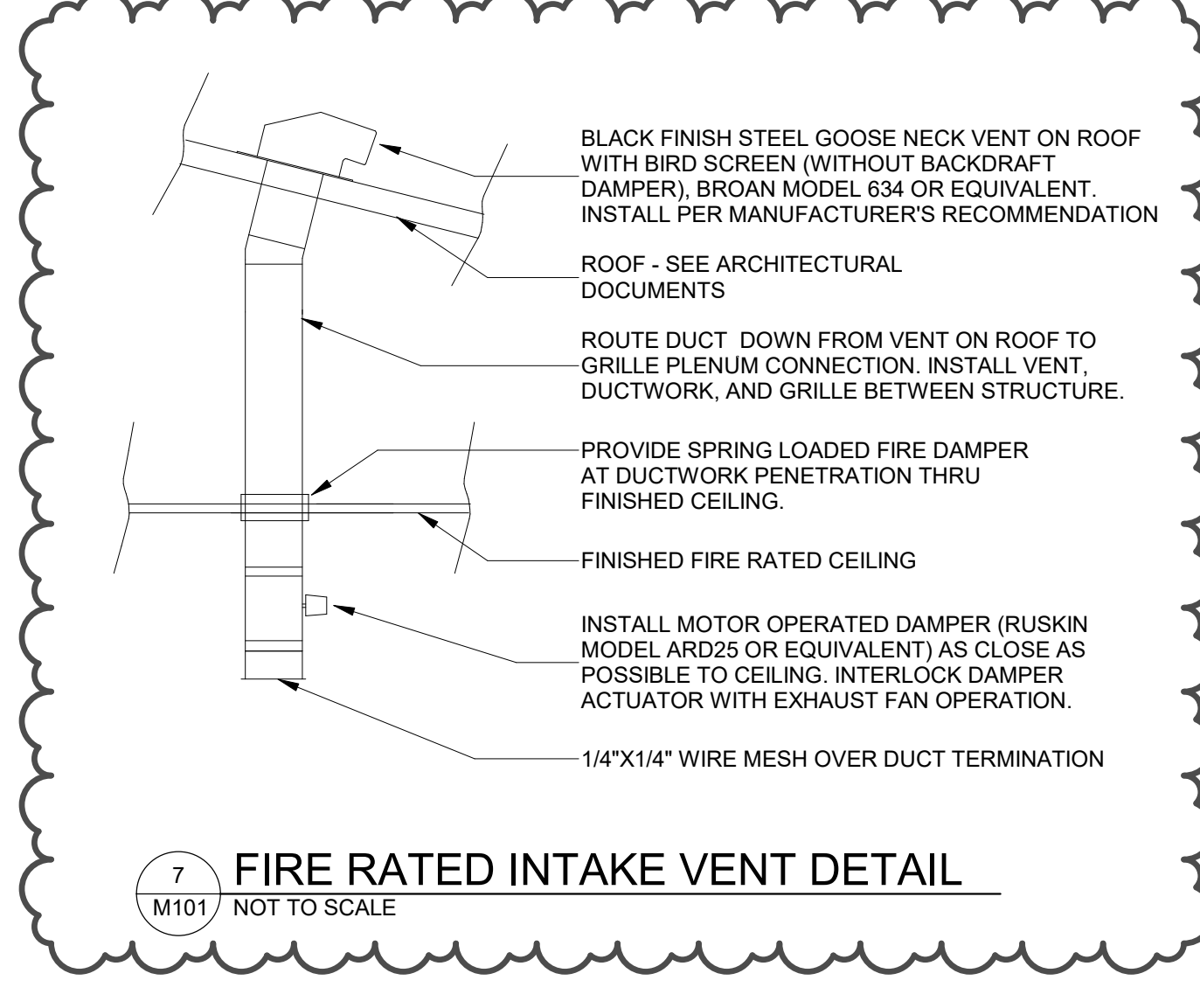


5 CEILING EXHAUST FAN DETAIL  
1/4" = 1'-0"

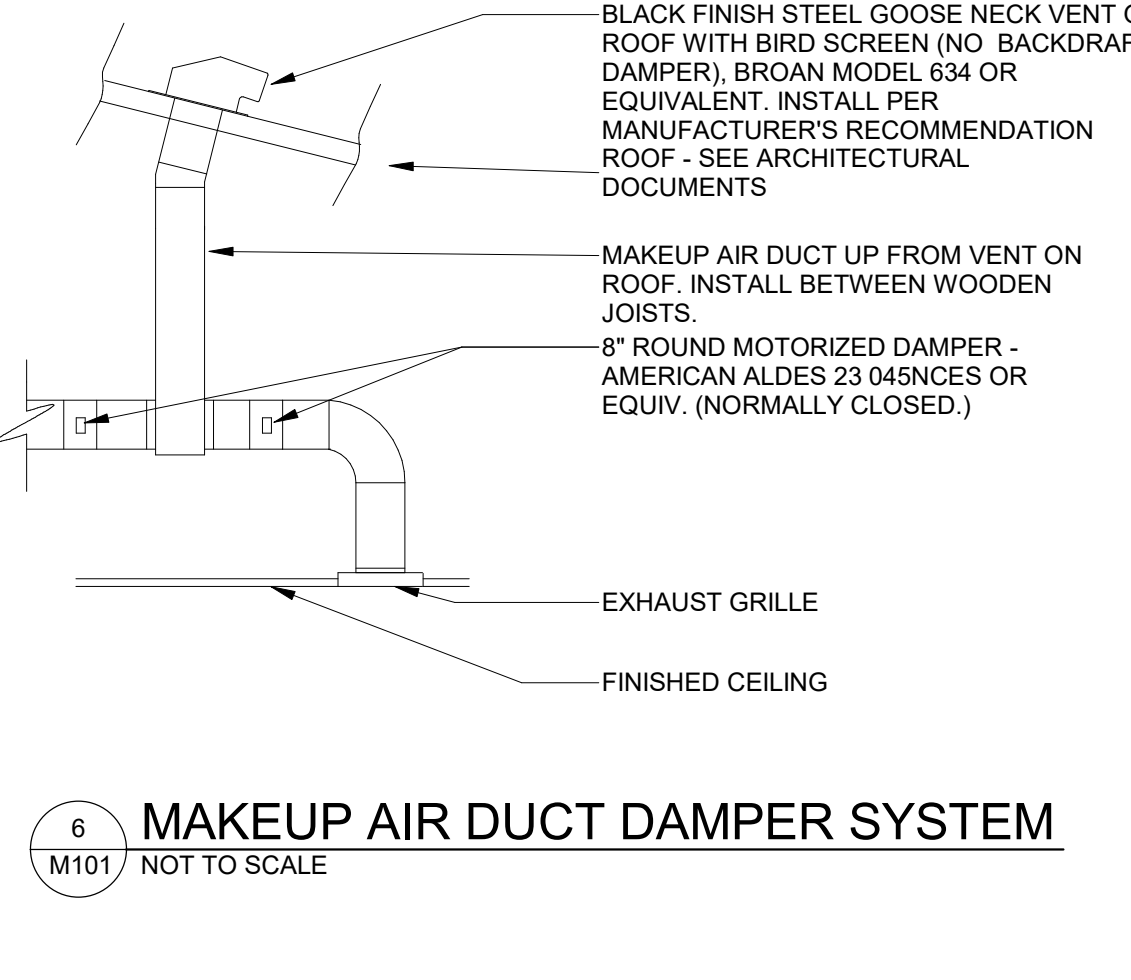
GENERAL ABBREVIATIONS			
AC	AIR CONDITIONER	GUH	GAS UNIT HEATER
AD	ACCESS DOOR	HGR	HOT GAS REHEAT
AFH	ABOVE FINISHED FLOOR	HP	HEAT PUMP
AHP	AIR HANDLING HEAT PUMP UNIT	HRF	HEAT RECOVERY FAN
AHU	AIR HANDLING UNIT	HVS	HOODED VENTILATION SYSTEM
B	BOILER	HWR	HEATING WATER RETURN
BMC	BUILDING MANAGEMENT CONTROLLER	HWS	HEATING WATER SUPPLY
BDP	BYPASS DAMPER	L	LOUVER
CAP.	CAPACITY	COMB	COMBO LOUVER/DAMPER
CD	CEILING DIFFUSER	LID	MAHU
CFM	CUBIC FEET PER MINUTE	MAU	MAKE-UP AIR UNIT
CH	CHILLER	MEP	MECHANICAL EQUIP. PAD - RE: ARCH.
CR	CONDENSER WATER RETURN	MHP	MINI-SPLIT HEAT PUMP
CS	CONDENSER WATER SUPPLY	MOD	MOTOR OPERATED DAMPER
CT	COOLING TOWER	MVD	MANUAL VOLUME DAMPER
CU	CONDENSING UNIT	OA	OUTSIDE AIR
CWR	CHILLED WATER RETURN	OD	OUTDOOR
CWS	CHILLED WATER SUPPLY	P	PUMP
D	DRAIN	PIU	POWERED INDUCTION UNIT
DCS	DUCT COLLECTION SYSTEM	PMHP	PAD MOUNTED HEAT PUMP UNIT
DF	DUCT FURNACE	PMU	PAD MOUNTED UNIT
DG	DOOR GRILLE	RA	RETURN AIR
DN	DOWN	RTHP	ROOFTOP HEAT PUMP UNIT
EDH	ELECTRIC DUCT HEATER	RTU	ROOFTOP UNIT
EA	EXHAUST AIR	SA	SUPPLY AIR
EH	EXHAUST FAN	SD	SMOKE DAMPER
ERV	ELECTRIC HEATER	SDFD	SMOKE/FIRE COMBO DAMPER
ERV	ENERGY RECOVERY VENTILATOR	So.a.	OUTDOOR AIR SENSOR - ENTHALPY
ERU	ENERGY RECOVERY UNIT	S.P.	STATIC PRESSURE
FIRE	FIRE DAMPER	TA	TRANSFER AIR
FLDG	FUSIBLE LINK DOOR GRILLE	TWHP	THROUGH THE WALL HEAT PUMP UNIT
GF	GAS FURNACE UNIT	VAV	VARIABLE AIR VALVE
GH	GRAVITY INTAKE HOOD	VRFQ	VARIABLE REFRIGERANT FAN COIL
GRH	GRAVITY RELIEF HOOD	VVFQ	VARIABLE VOL. VARIABLE TEMP. VALVE
GWU	GAS WALL HUNG UNIT	VVW	WALL HUNG HEAT PUMP UNIT

SENSOR TAGS	
SMOKE DETECTOR	TEMPERATURE SENSOR
HUMIDISTAT	TEMP & HUMIDITY CONTROL
CO2 SENSOR	TEMP & CO2 CONTROL
INTERVAL TIMER	TEMP & HUMIDITY & CO2 CONTROL
WALL SWITCH	EMERGENCY PULL STATION
EMERGENCY STOP	NIGHT SETBACK
DAMPER TAGS	
MVD	MANUAL VOLUME DAMPER
FD	FIRE DAMPER
S/FD	SMOKE / FIRE COMBO DAMPER

GENERAL ANNOTATIONS	
△	REVISION NUMBER - SHOWN ON PLANS
●	POINT WHERE NEW CONNECTS TO EXISTING
---	NUMBER OF DETAIL ON SHEET
---	NUMBER OF SHEET WHERE DETAIL APPEARS
①	KEYNOTE
U+	UNDERCUT DOOR SYMBOL
→	EXHAUST/RETURN AIRFLOW DIRECTION SYMBOL
→	SUPPLY AIRFLOW DIRECTION SYMBOL
20"x10"	SQUARE DUCT SIZE TAG (WIDTH x HEIGHT)
20"x10"	OVAL DUCT SIZE TAG (WIDTH / HEIGHT)
20"Ø	ROUND DUCT SIZE TAG (DIAMETER)
[Pattern]	DUCT W/ ACOUSTICAL LINER
[Pattern]	DUCT CONTINUATION SYMBOL
[Pattern]	PIPE CONTINUATION SYMBOL
[Pattern]	NO HVAC WORK IN THIS AREA



7 FIRE RATED INTAKE VENT DETAIL  
1/4" = 1'-0"



6 MAKEUP AIR DUCT DAMPER SYSTEM  
1/4" = 1'-0"

SA&E PROJECT NUMBER  
BID PACKAGE  
ISSUED FOR CONSTRUCTION

01-664-123  
BP-1  
05-19-2022

REVISIONS

R #	Doc #	Date
1	AD2	05/24/22

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FACILITY CODE NUMBER:  
**NEW FACILITY FOR: 741-0387**

**TROUP HS BASEBALL/SOFTBALL LOCKERS**  
1920 HAMILTON RD, LAGRANGE, GA 30241

**TROUP COUNTY SCHOOL SYSTEM**  
100 NORTH DAVIS ROAD LAGRANGE, GA 30241

**MECHANICAL FLOOR PLAN, SCHEDULES, AND DETAILS**

DRAWING NUMBER  
**M101**

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS  
SOUTHERN A & E, LLC  
ENGINEER-PR  
LICENSE NO: PE0303674  
EXP. DATE - 06/30/2022