

# SOUTH JERSEY TRANSPORTATION AUTHORITY



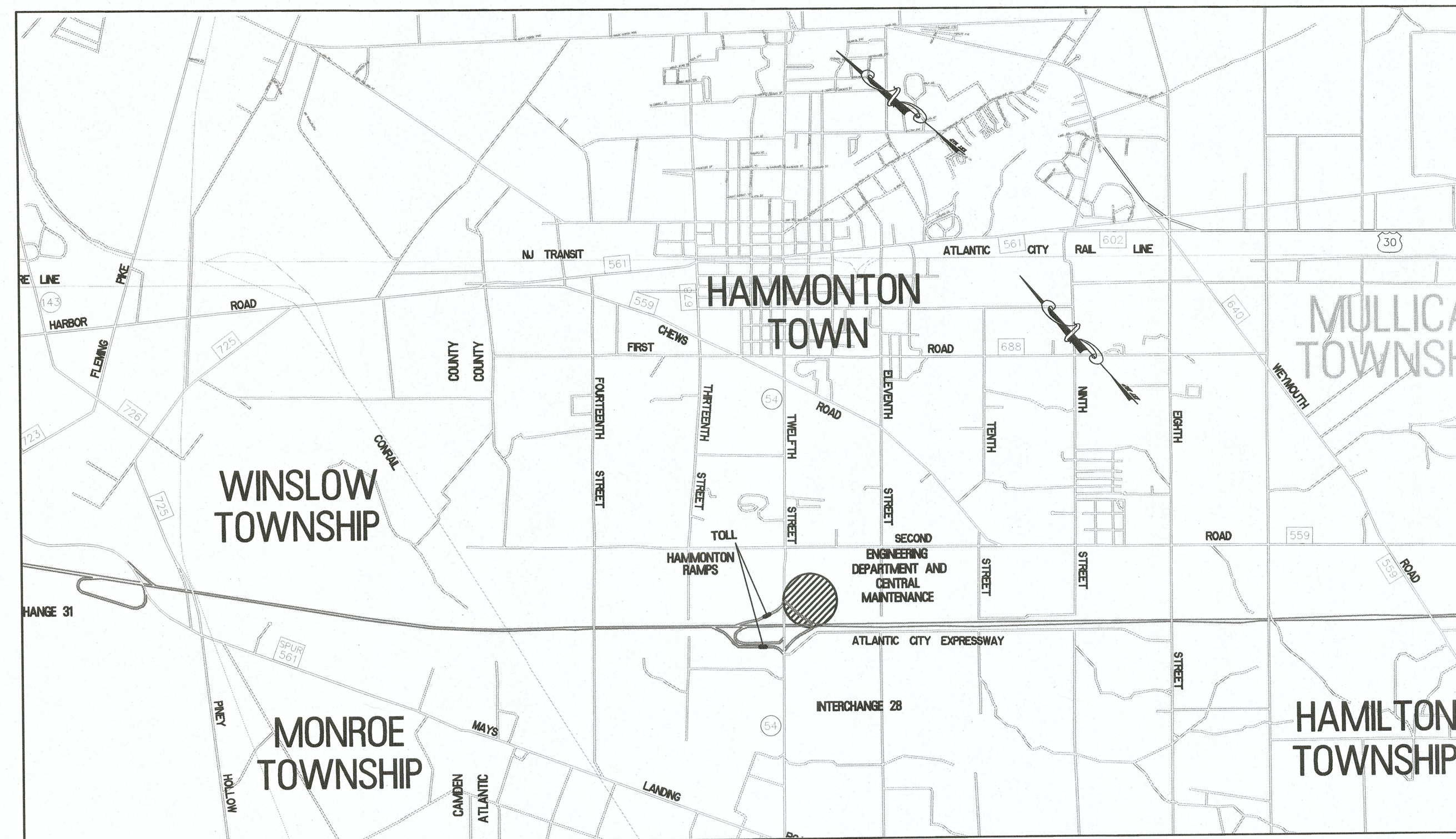
## ATLANTIC CITY EXPRESSWAY 2022 SIGN SHOP REHABILITATION PROJECT



**COMMISSIONERS**

**DIANE GUTIERREZ-SCACCETTI, CHAIR**  
**CHRISTOPHER M. MILAM, VICE CHAIR**  
**JEFFERY A. APRIL**  
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**JAMES "SONNY" McCULLOUGH**  
**C. ROBERT McDEVITT**  
**JOSEPH RIPA**

**STEPHEN F. DOUGHERTY, EXECUTIVE DIRECTOR**  
**STEPHEN M. MAZUR, P.E., CHIEF ENGINEER**




 **PROJECT SITE**

**LOCATION MAP**  
NOT TO SCALE


### INDEX OF SHEETS

| SHEET NO. | DESCRIPTION                             |
|-----------|---|
| T-1       | TITLE SHEET                             |
| S-1       | STRUCTURAL COVER SHEET                  |
| S-2       | EXISTING/DEMOLITION FLOOR PLAN          |
| S-3       | FOUNDATION FLOOR PLAN                   |
| S-4       | SLAB/LINTEL PLAN                        |
| S-5       | ROOF FRAMING PLAN                       |
| S-6       | SECTION AND ELEVATIONS                  |
| M-1.0     | MECHANICAL COVER SHEET                  |
| M-1.1     | MECHANICAL DEMOLITION FLOOR PLAN        |
| M-2.1     | MECHANICAL FLOOR PLAN                   |
| M-3.1     | MECHANICAL DETAILS AND SCHEDULES        |
| P-3.1     | PLUMBING UTILITY PIPING FLOOR PLAN      |
| P-4.1     | PLUMBING DETAILS                        |
| E-1.0     | ELECTRICAL COVER SHEET                  |
| E-1.1     | ELECTRICAL DEMOLITION FLOOR PLAN        |
| E-2.1     | ELECTRICAL LIGHTING FLOOR PLAN          |
| E-3.1     | ELECTRICAL POWER AND SYSTEMS FLOOR PLAN |
| E-4.1     | ELECTRICAL SCHEDULES                    |

PREPARED AND RECOMMENDED BY:

  
**REMINGTON & VERNICK ENGINEERS**  
**KENNETH C. KESSLER**  
 NJ PROFESSIONAL ENGINEER LIC. NO. 34559

APPROVED BY:

  
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**STEPHEN M. MAZUR, P.E., CHIEF ENGINEER**











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Certification of Authorization: 24 GA 28003300  
-ENGINEERING EXCELLENCE-

DATE: 7-25-2022  
**KENNETH C. RESSLER**  
NJ PROFESSIONAL ENGINEER LIC. No. 34559

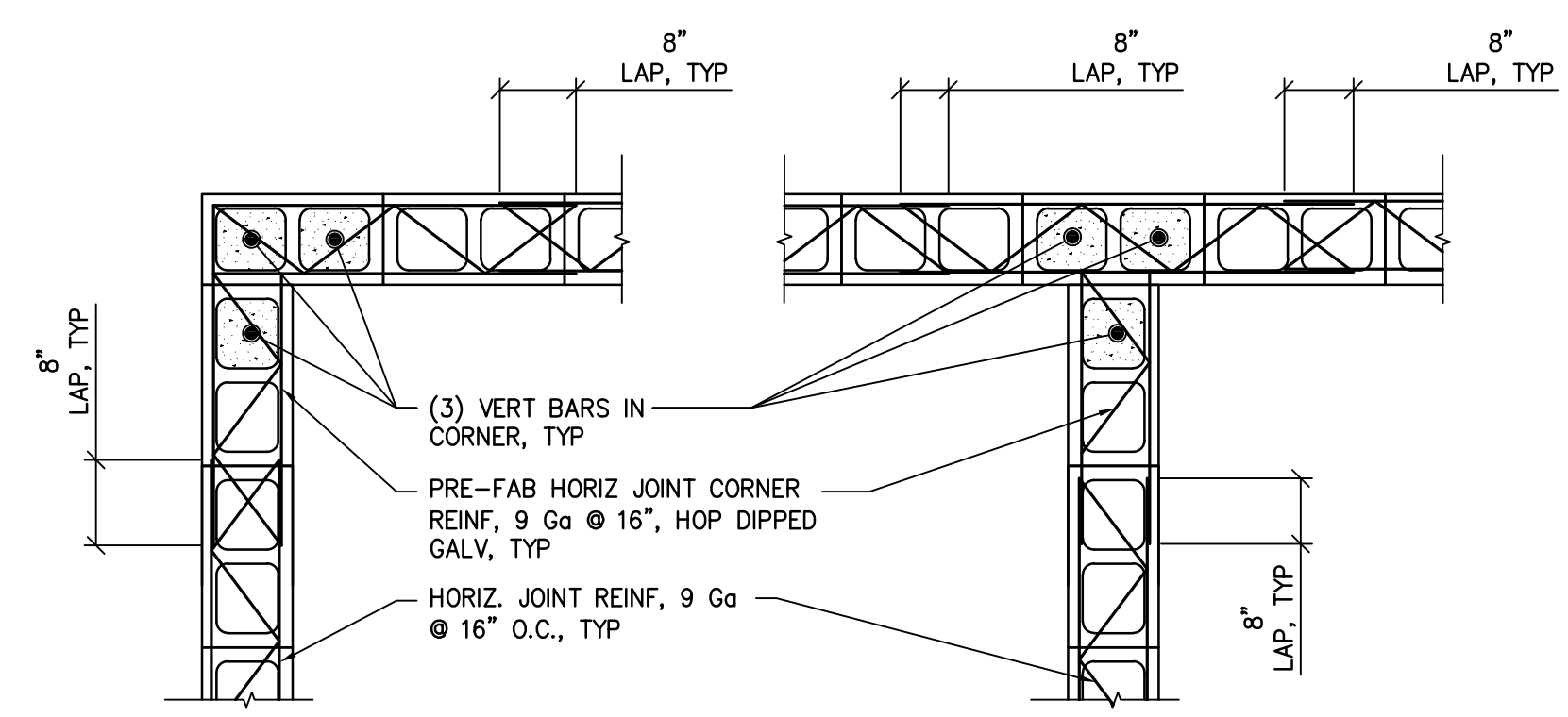
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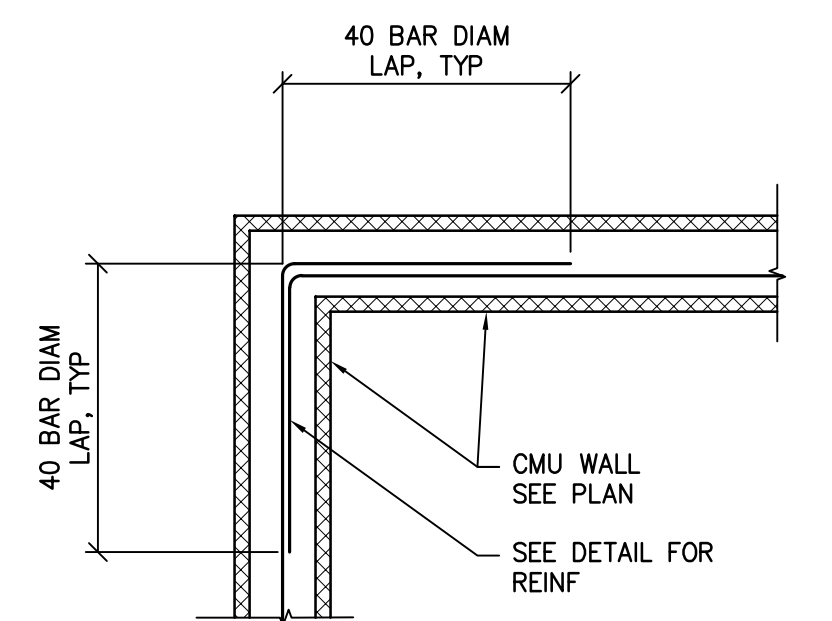
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**FOUNDATION FLOOR PLAN**  
SOUTH JERSEY TRANSPORTATION AUTHORITY  
STORAGE BUILDING AT ATLANTIC CITY  
EXPRESSWAY CENTRAL MAINTENANCE  
ATLANTIC CITY ATLANTIC COUNTY NEW JERSEY

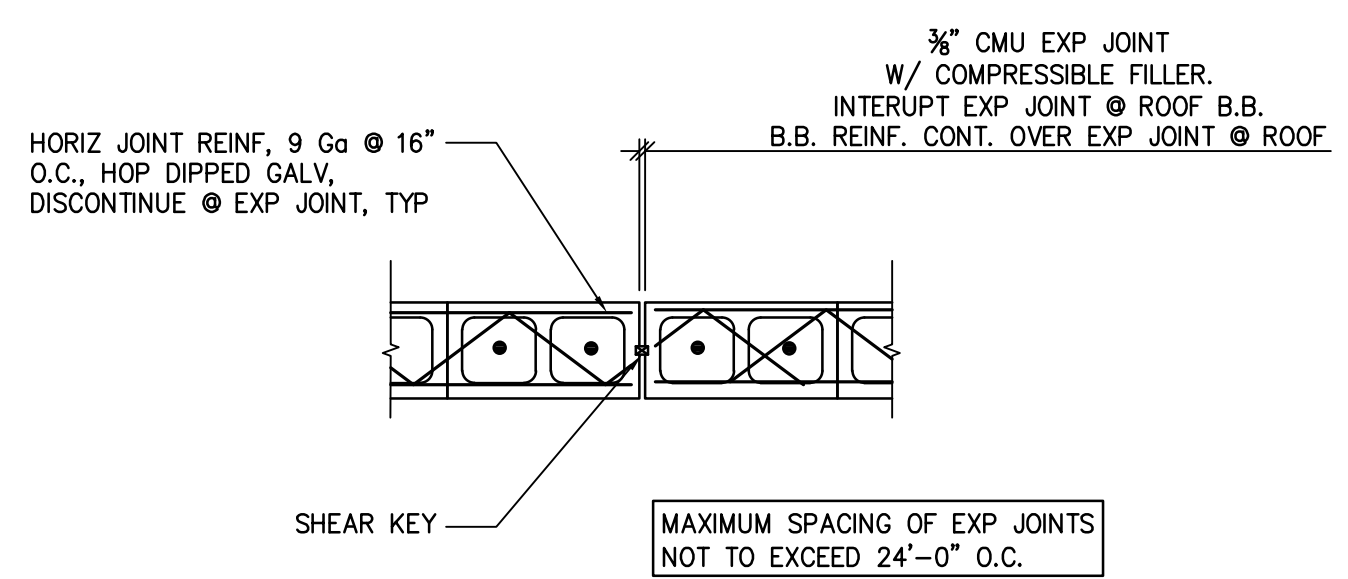
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| 3/20/20   | JOB No. ACEXX780     |             |          |



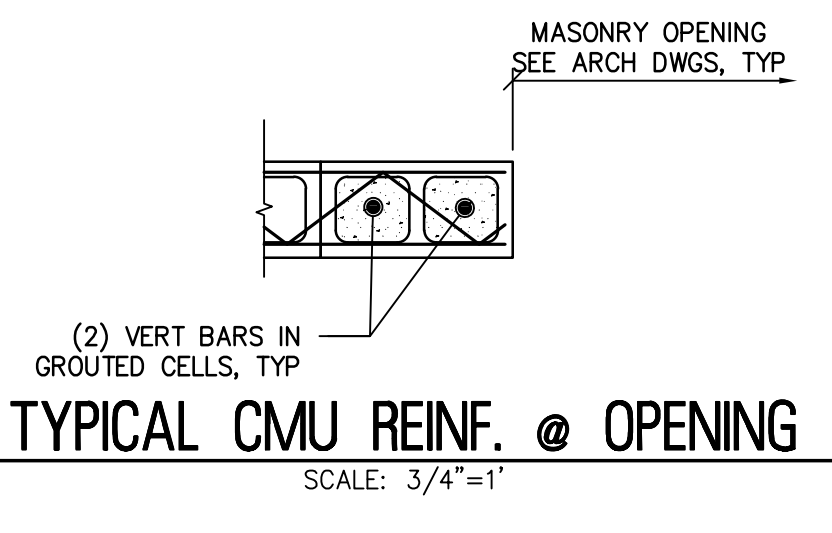
**TYPICAL CMU HORIZ. REINF. DETAIL (1)**  
SCALE: 3/4"=1"  
S-3



**BONDBEAM CORNER DETAIL (2)**  
SCALE: 3/4"=1"  
S-3

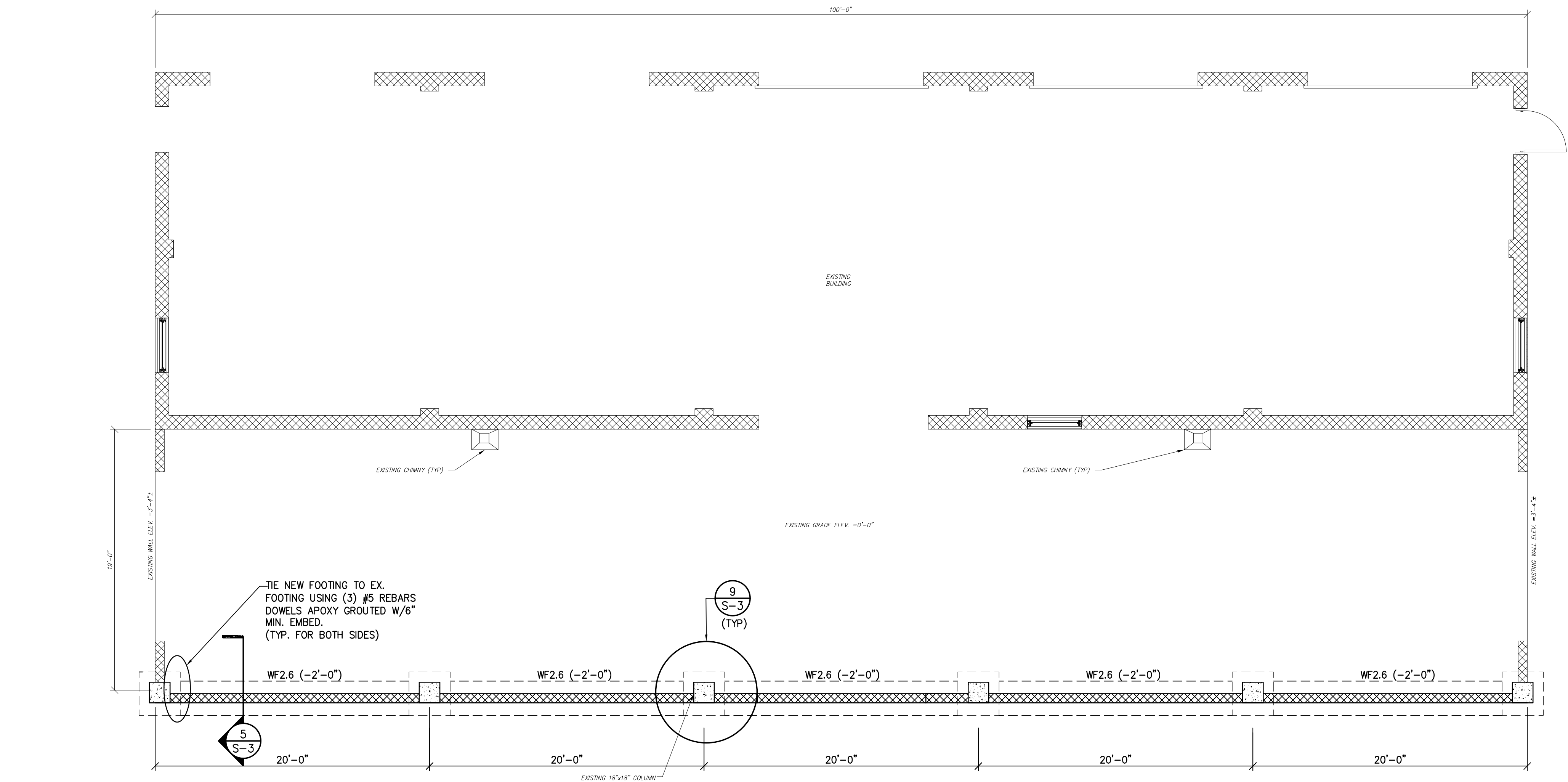


**TYPICAL CMU CONTRACTION JOINT (3)**  
SCALE: 3/4"=1"  
S-3

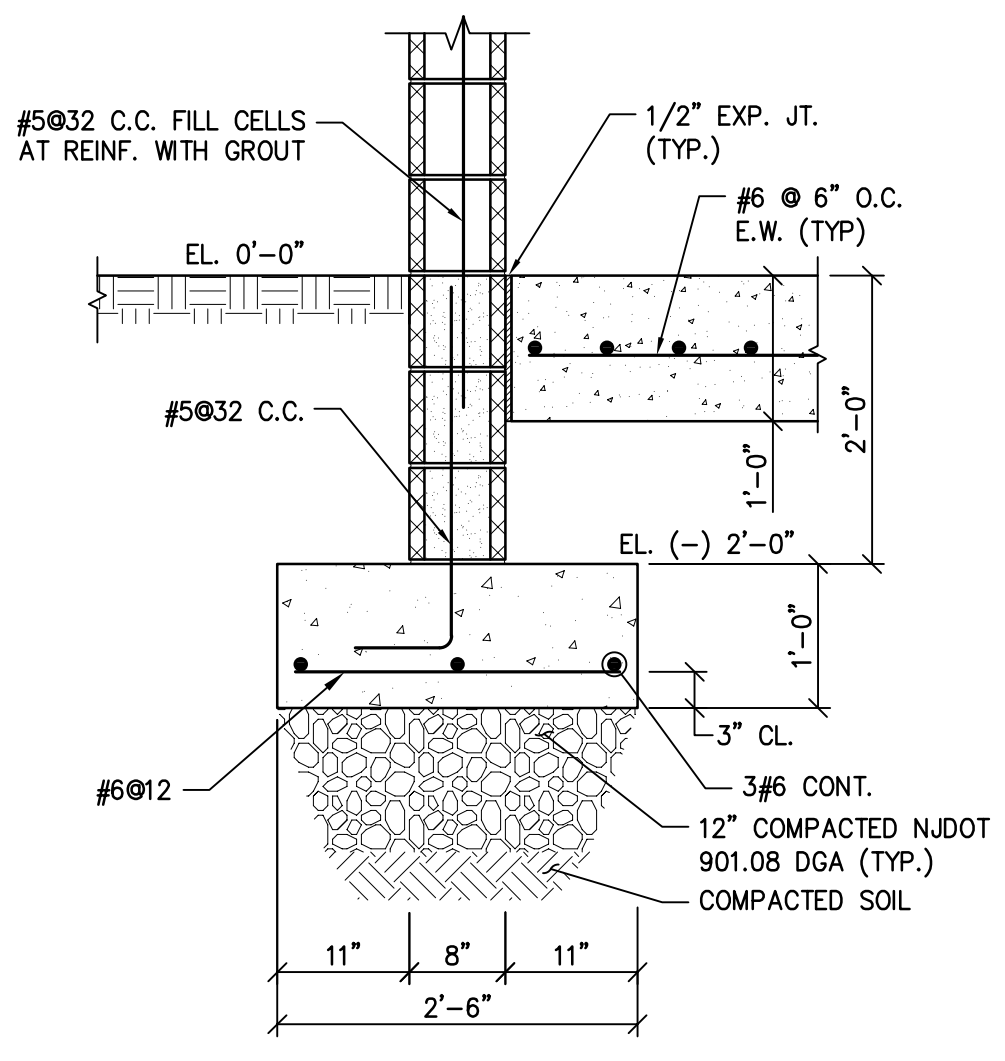


**TYPICAL CMU REINF. @ OPENING (4)**  
SCALE: 3/4"=1"  
S-3

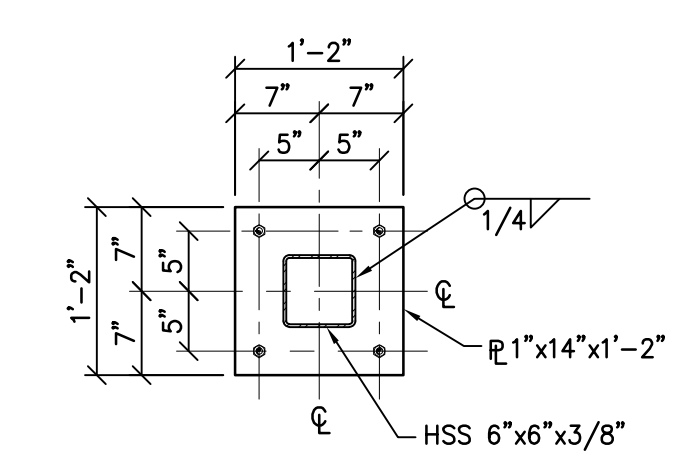
| ANCHOR BOLT SCHEDULE |   |
|----------------------|---|
| TYPE                 | DESCRIPTION   |
| 1                    | (4) 3/4" F1554 OR 36 BOLTS W/4" PROJ. 9" MIN. EMBED, HEADED STUD ANCHOR BOLTS |



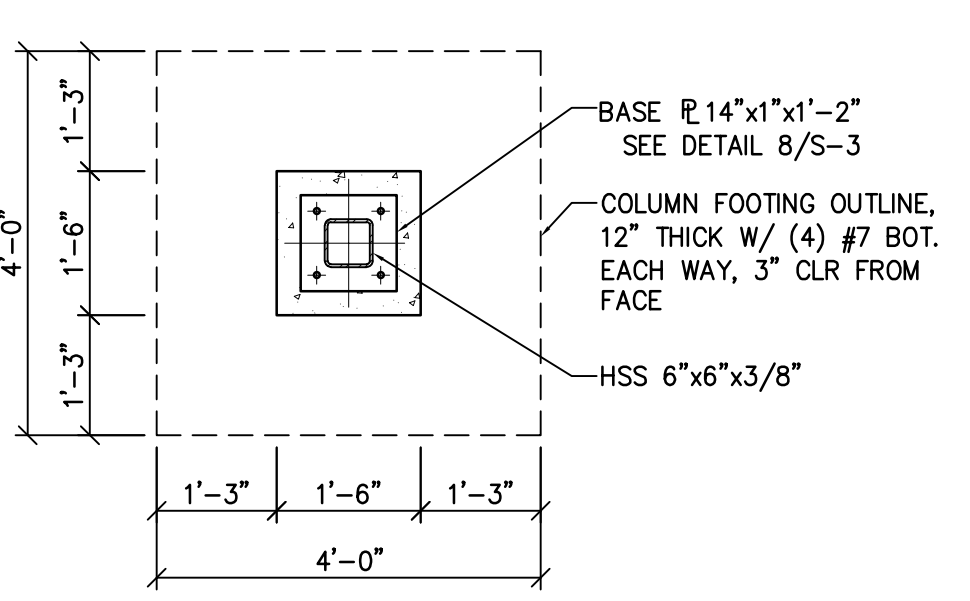
**FOUNDATION FLOOR PLAN (5)**  
SCALE: 3/16"=1"  
S-3



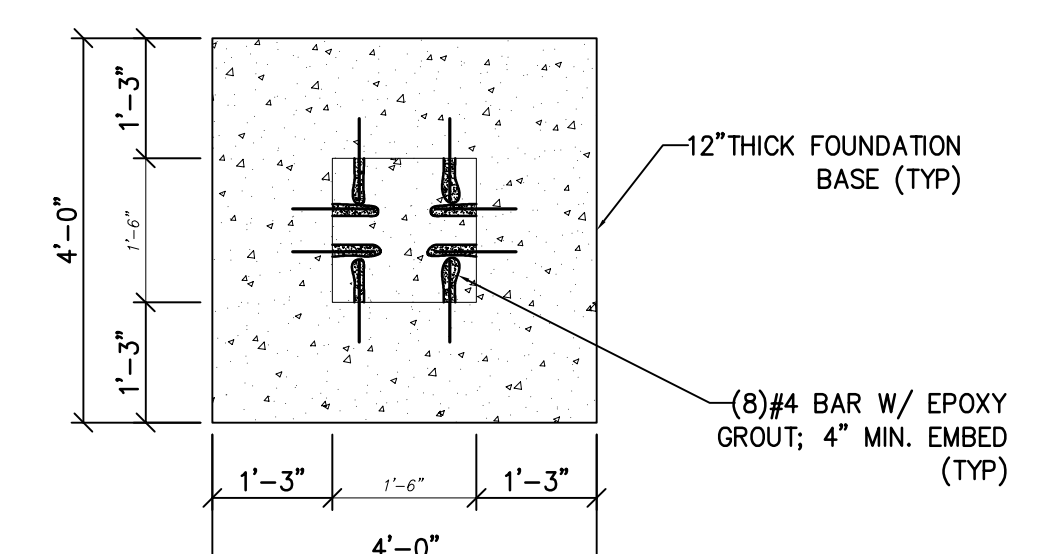
**SECTION @ EXTERIOR WALL (WF2.6) (6)**  
SCALE: 3/4"=1"  
S-3



**BASE PLATE DETAIL (8)**  
SCALE: 3/4"=1"  
S-3

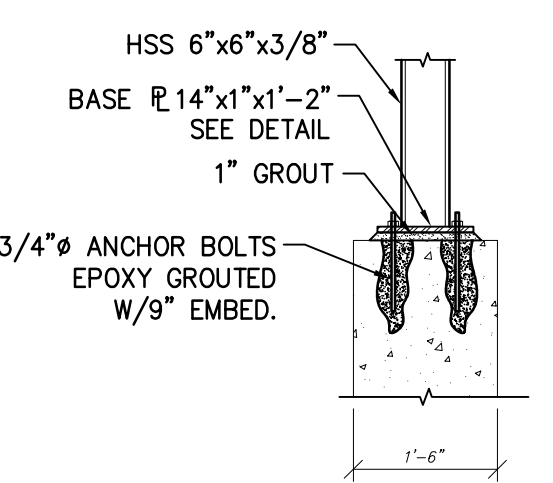


**COLUMN DETAIL (7)**  
SCALE: 1/2"=1"  
S-3



**EX. FOUNDATION DETAIL (9)**  
SCALE: 1/2"=1"  
S-3

\*\*\* DETAIL SHALL BE USED IF EXISTING FOUNDATION IS LESS THAN 3'-0" BY 3'-0" AT THE BASE.



**EX. COLUMN SECTION (10)**  
SCALE: 1/2"=1"  
S-3



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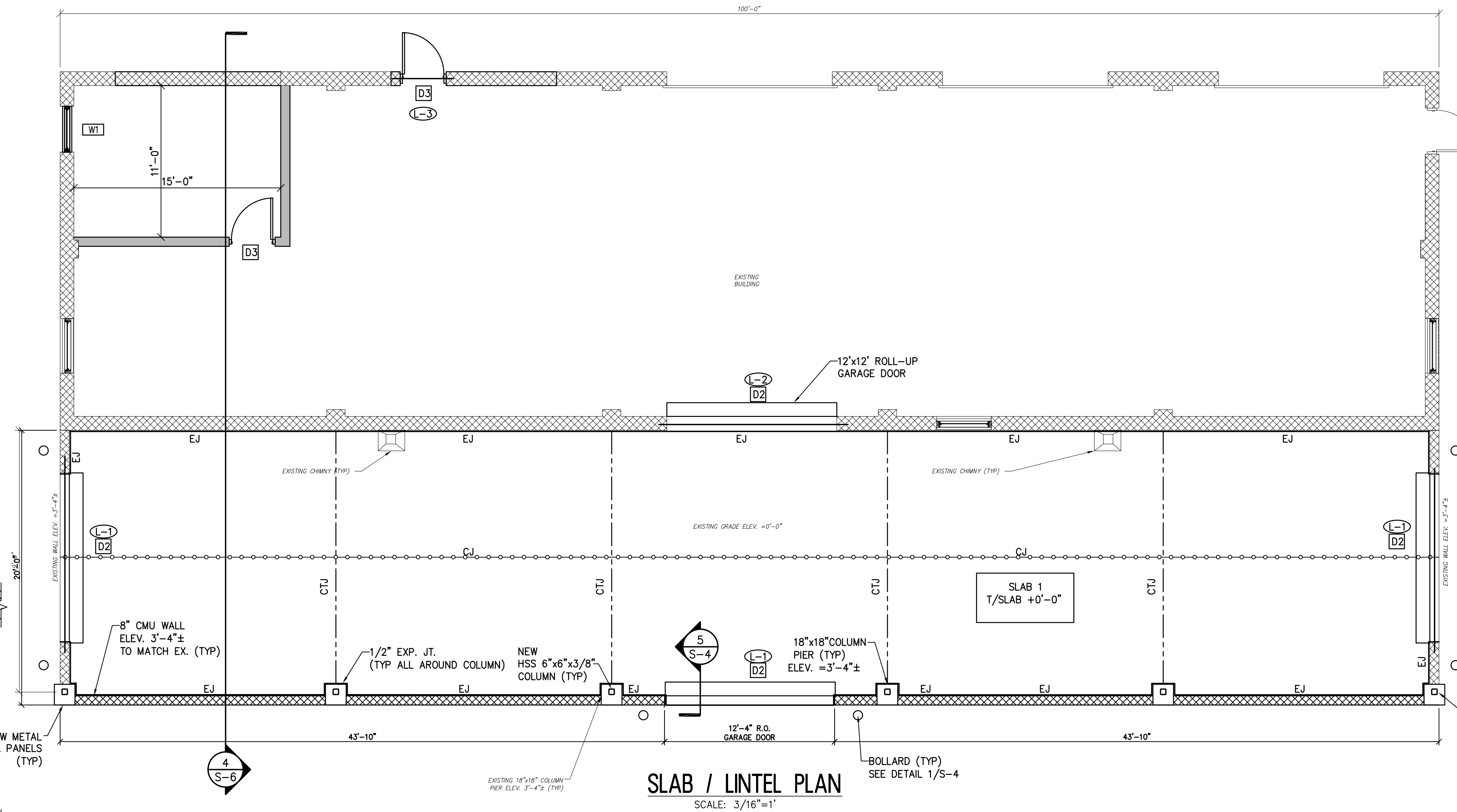
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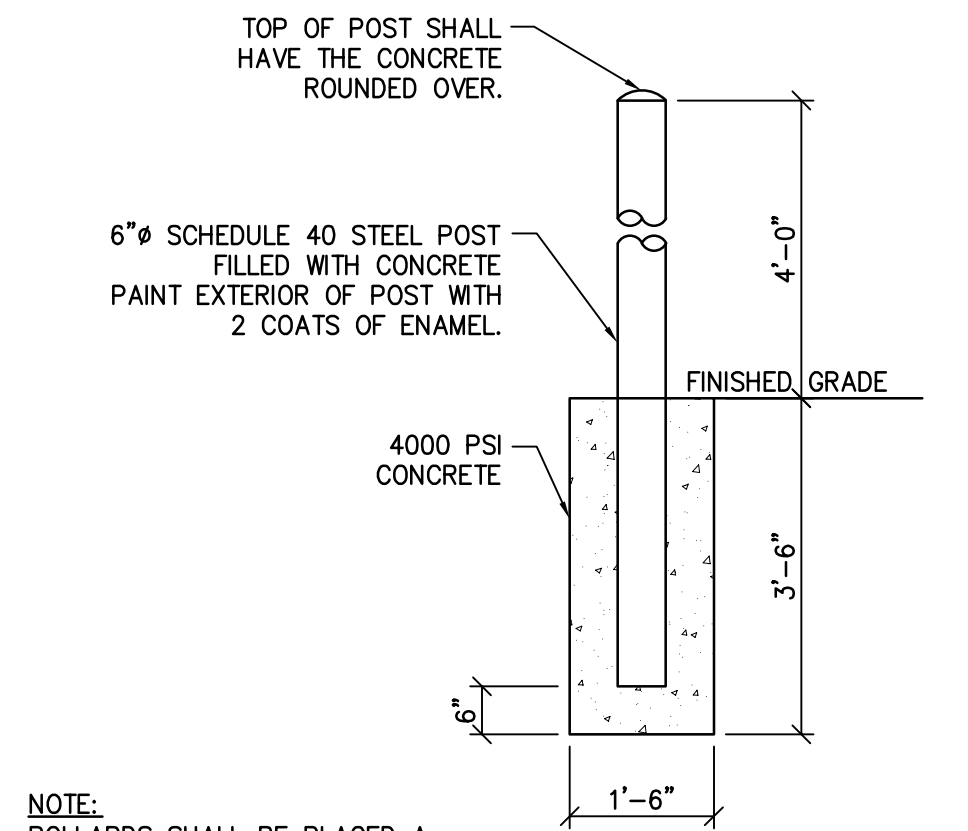
**SLAB / LINTEL PLAN**  
SOUTH JERSEY TRANSPORTATION AUTHORITY  
STORAGE BUILDING AT ATLANTIC CITY  
EXPRESSWAY CENTRAL MAINTENANCE  
ATLANTIC CITY ATLANTIC COUNTY NEW JERSEY

| DATE   | J.T. | AS NOTED |
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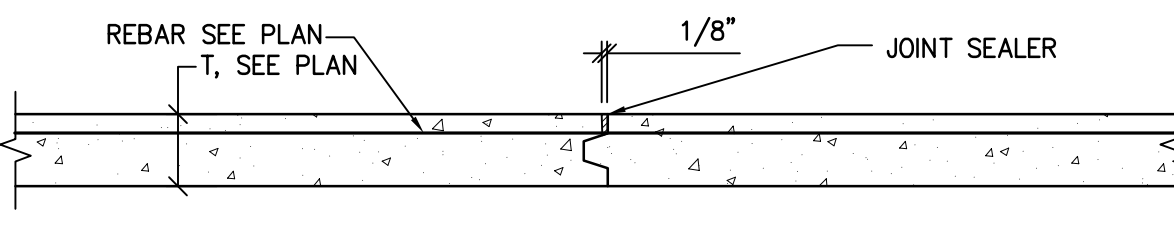
ACEX780



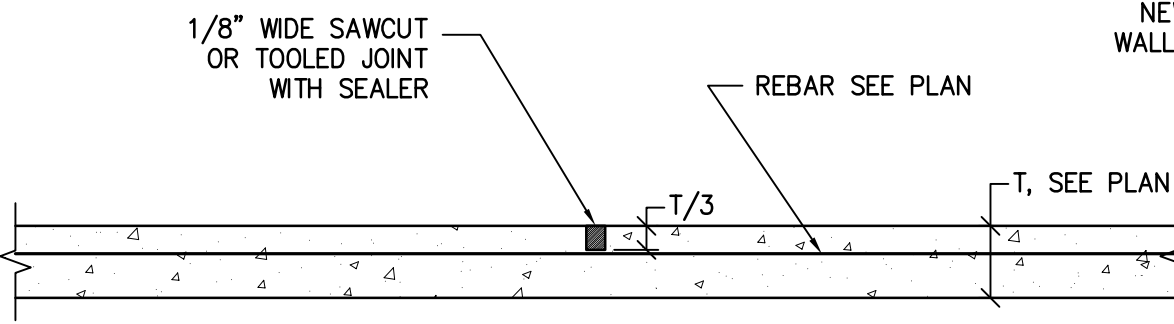
**SLAB / LINTEL PLAN**  
SCALE: 3/16"=1"



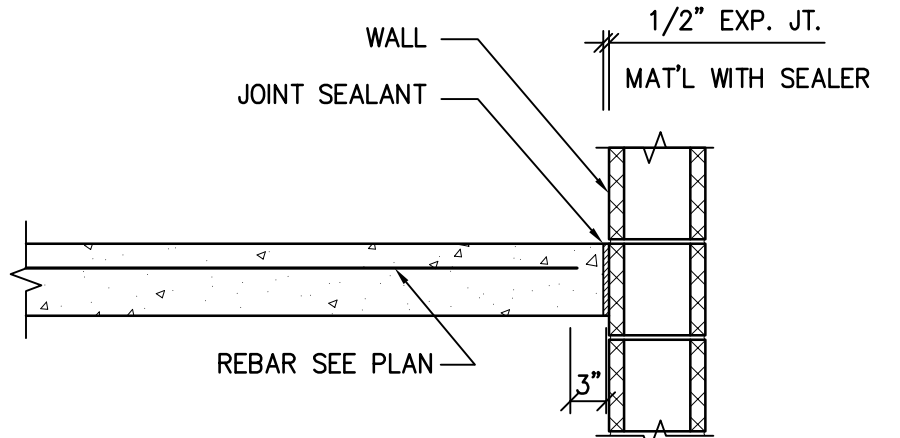
**BOLLARD DETAIL 1**  
N.T.S.



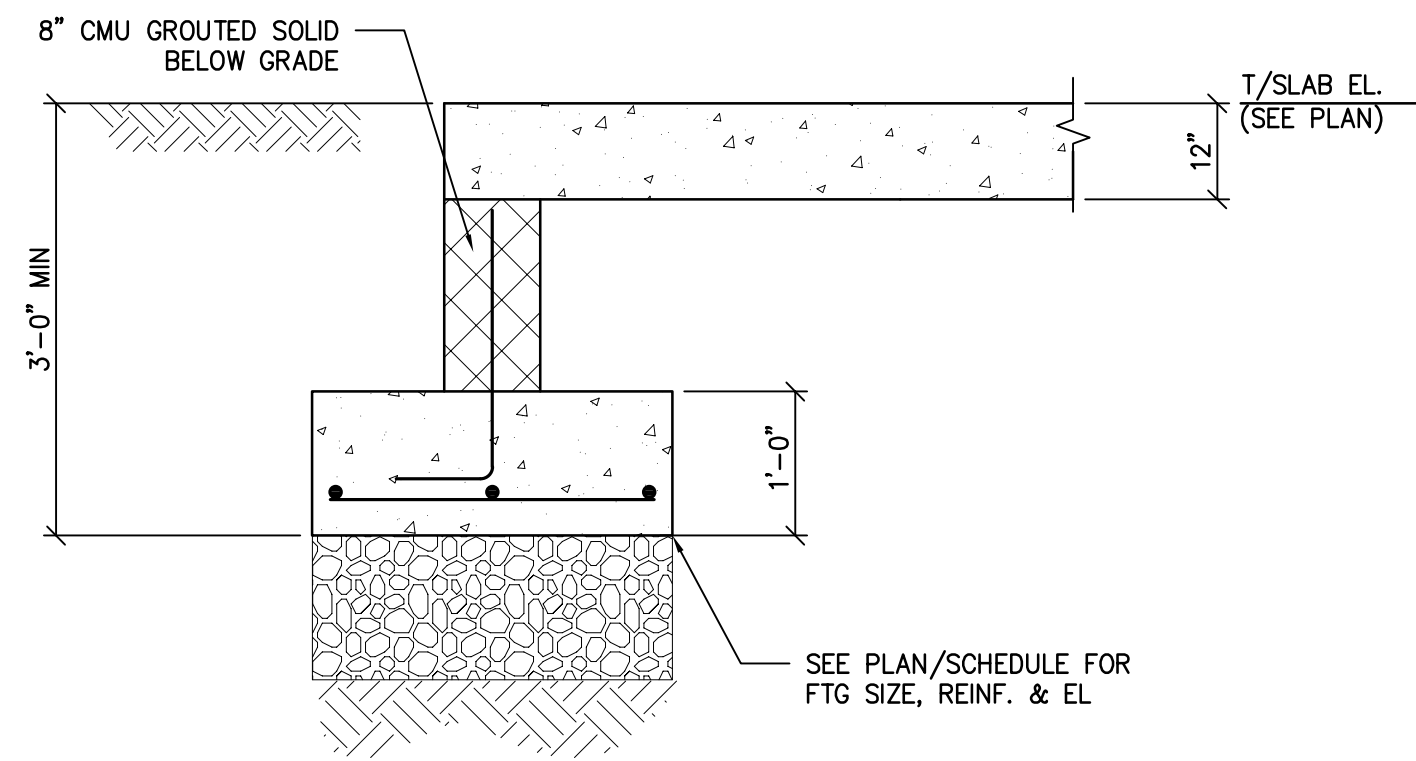
**CONSTRUCTION JOINT DETAIL 2**  
N.T.S.



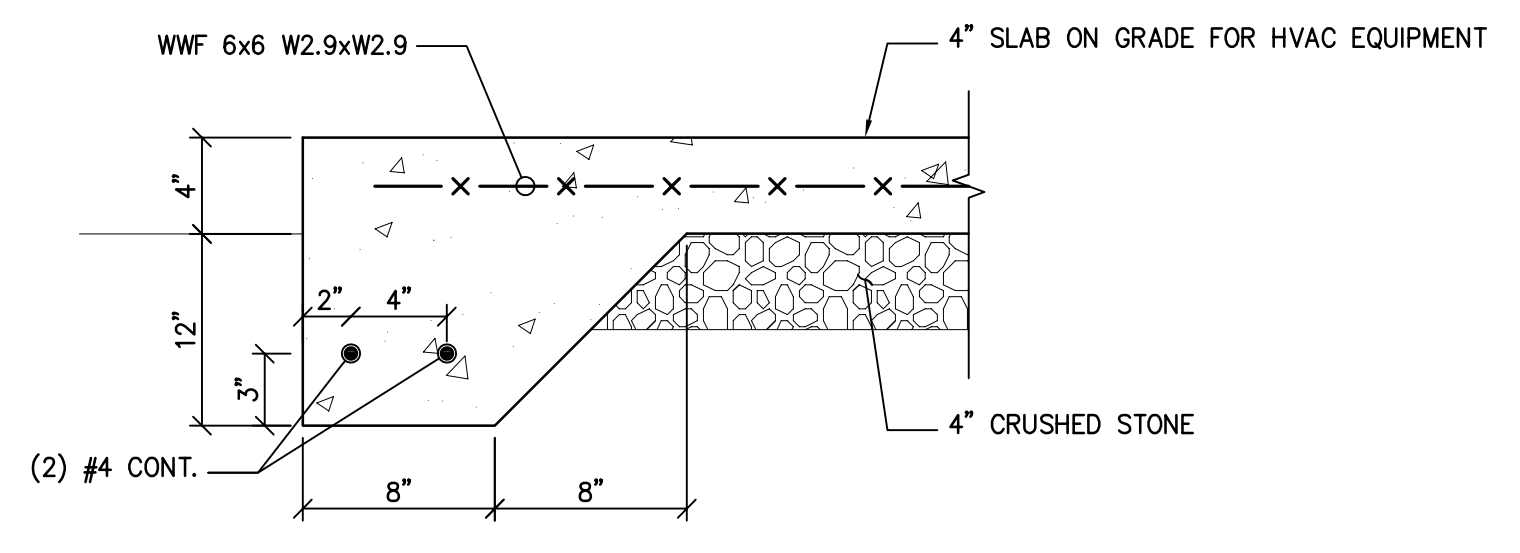
**CONTROL JOINT DETAIL 3**  
N.T.S.



**EXPANSION JOINT DETAIL 4**  
N.T.S.



**SECTION @ DOOR OPENING 5**  
N.T.S.



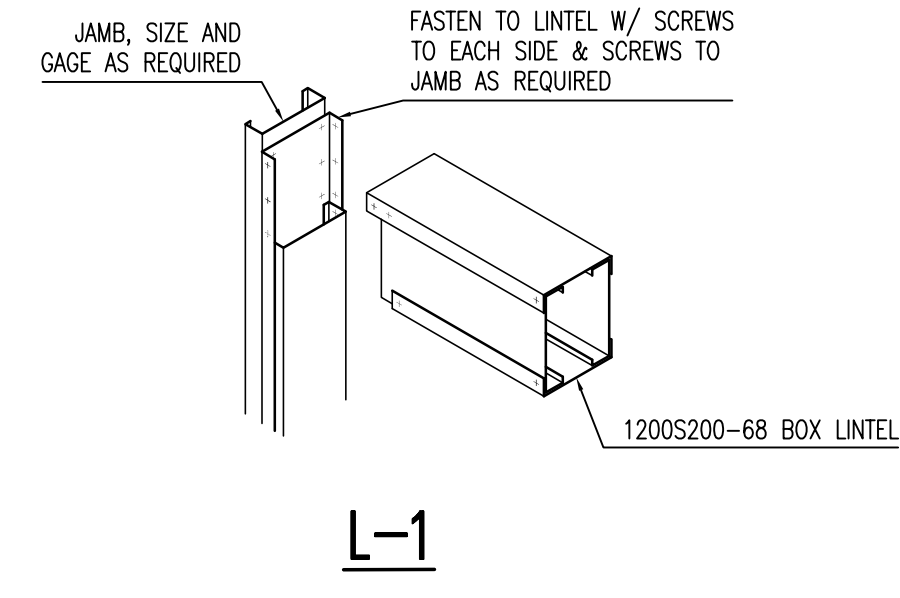
**HVAC EQUIPMENT EXTERIOR PAD DETAIL 6**  
N.T.S.

**DOOR AND FRAME SCHEDULE**

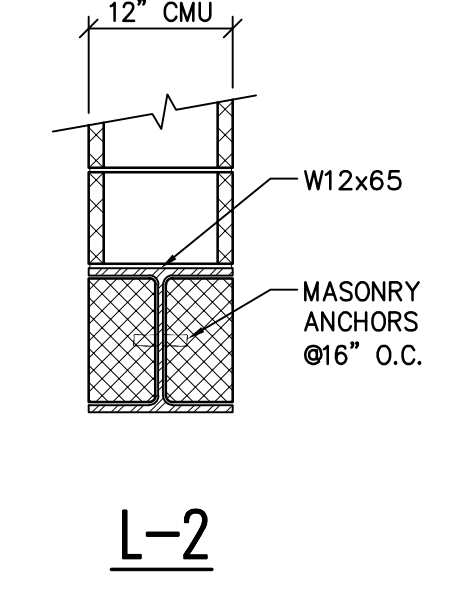
| DOOR NO. | DOOR LOCATION | DOOR SIZE WIDTHxHEIGHTxTHICKNESS | DOOR MATERIAL | FRAME MATERIAL | FRAME FINISH | REMARKS |
|----------|---------------|----------------------------------|---------------|----------------|--------------|---------|
| D2       | GARAGE DOOR   | 12'-0"x12'-0"x2"                 | MTL           | HM             | P            | 4 REQ'D |
| D3       | DOOR          | 3'-0"x7'-0"x1 3/4"               | MTL           | HM             | P            | 2 REQ'D |

- DOOR LEGEND**
- DOOR MATERIAL  
MTL = METAL
  - FINISH:  
P = PAINTED
  - FRAME MATERIAL:  
HM = HOLLOW METAL

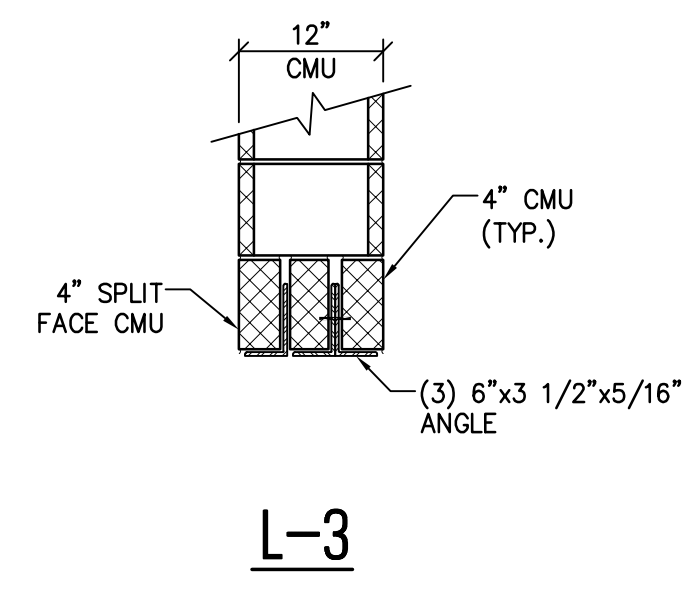
**NOTES:**  
1. FOR DOOR HARDWARE INFORMATION SEE METAL DOOR SPECIFICATION.



**L-1**



**L-2**



**L-3**

- NOTE:**
- GROUT CELLS SOLID WITH PEA GRAVEL CONCRETE FOR FULL WALL HEIGHT UNDER LINTEL FOR 8" BEARING LENGTH.
  - FOR 4" CMU VENER WALLS, USE SINGLE ANGLES OF SIZES SHOWN.
  - PROVIDE STEEL LINTELS AT ALL DOORS, WINDOWS AND MISCELLANEOUS OPENINGS AS REQUIRED.

**SLAB SCHEDULE**

| SLAB 1   |
|--|
| 12" SLAB ON GRADE W/ #6 @ 6" O.C. E.W. OVER 10 MIL. VAPOR BARRIER & 6" DCA |

**LEGEND**

|                        |
|------------------------|
| CONTROL JOINT= CTJ     |
| CONSTRUCTION JOINT= CJ |
| EXPANSION JOINT= EJ    |



*Kenneth C. Ressler*  
 LICENSED PROFESSIONAL ENGINEER  
 DocuSign

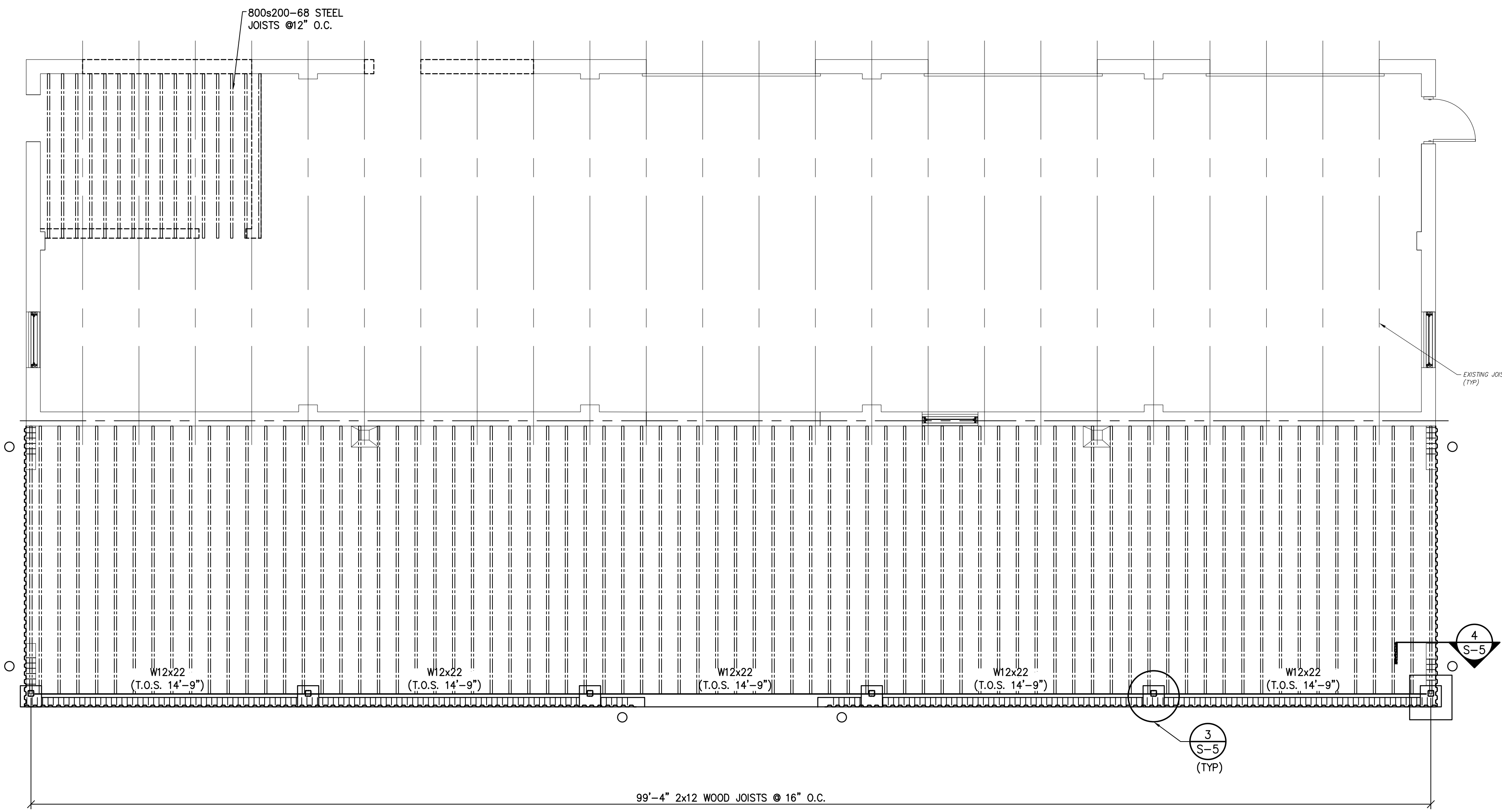


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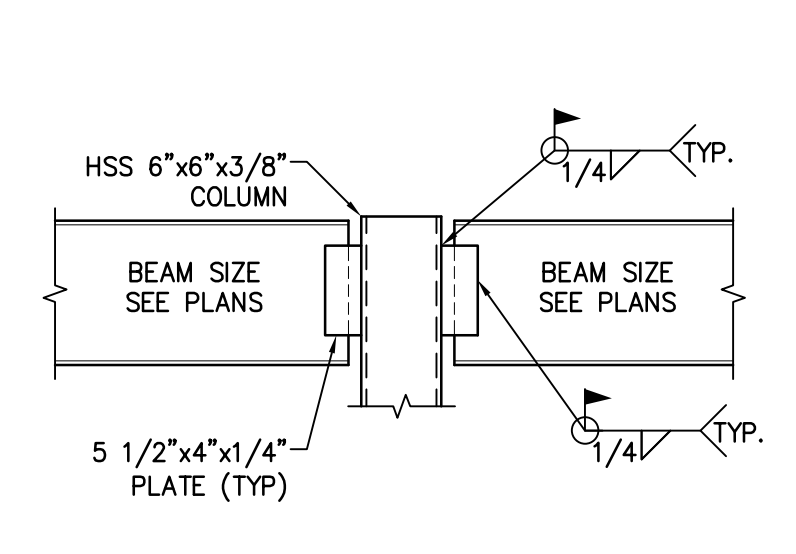
*Kenneth C. Ressler*  
 DATE: 7-25-2022  
**KENNETH C. RESSLER**  
 NJ PROFESSIONAL ENGINEER LIC. No. 34559

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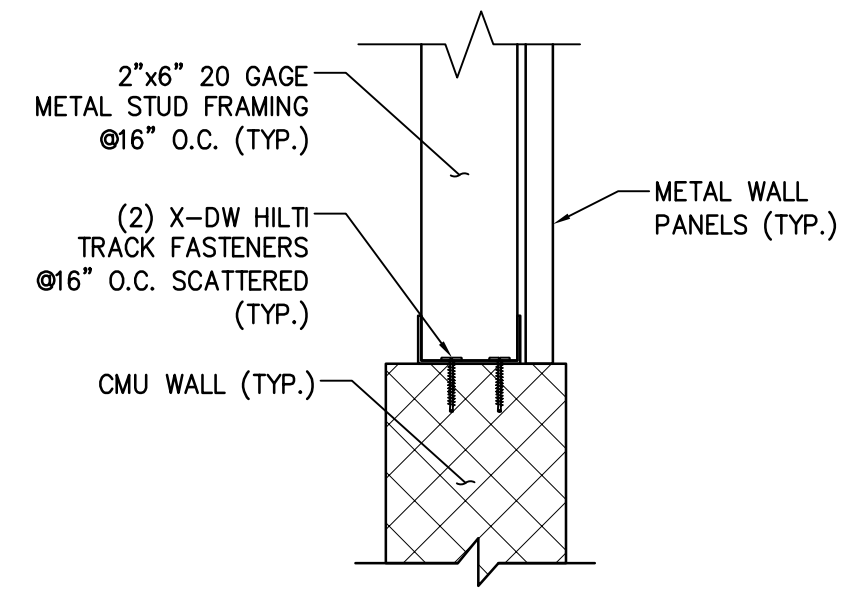
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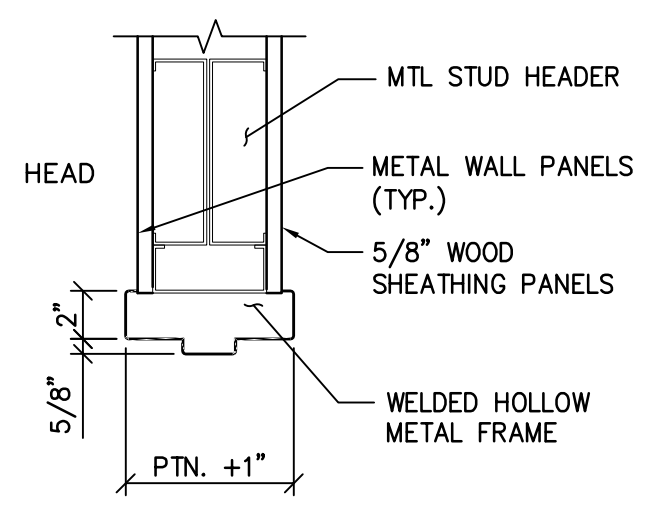
**ROOF FRAMING PLAN**  
 SCALE: 3/16"=1"



**BEAM TO COLUMN CONNECTION DETAIL** 3  
 N.T.S. S-5



**DETAIL** 4  
 SCALE: 1 1/2"=1' S-5



**DETAIL** 5  
 SCALE: 1 1/2"=1' S-5

**ROOF FRAMING PLAN**  
 SOUTH JERSEY TRANSPORTATION AUTHORITY  
**STORAGE BUILDING AT ATLANTIC CITY EXPRESSWAY CENTRAL MAINTENANCE**  
 ATLANTIC CITY ATLANTIC COUNTY NEW JERSEY

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| JOB No.: | ACEXX780   |            |          |



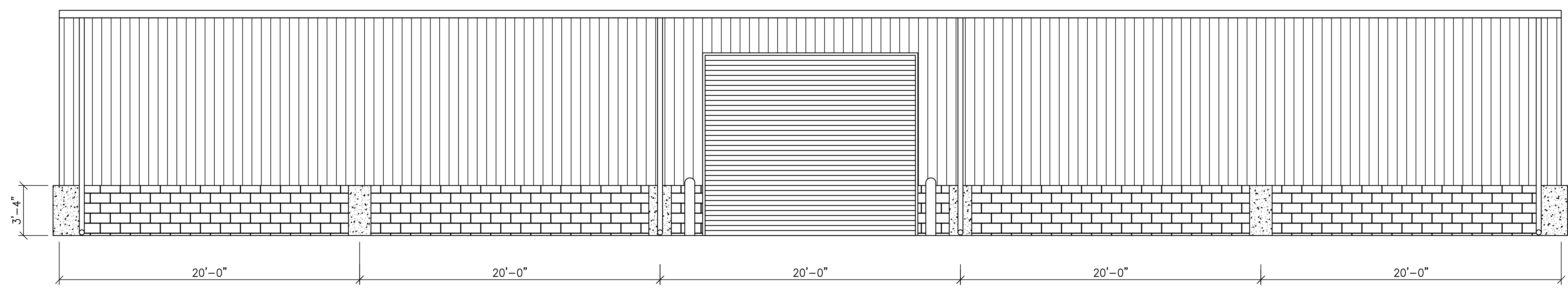


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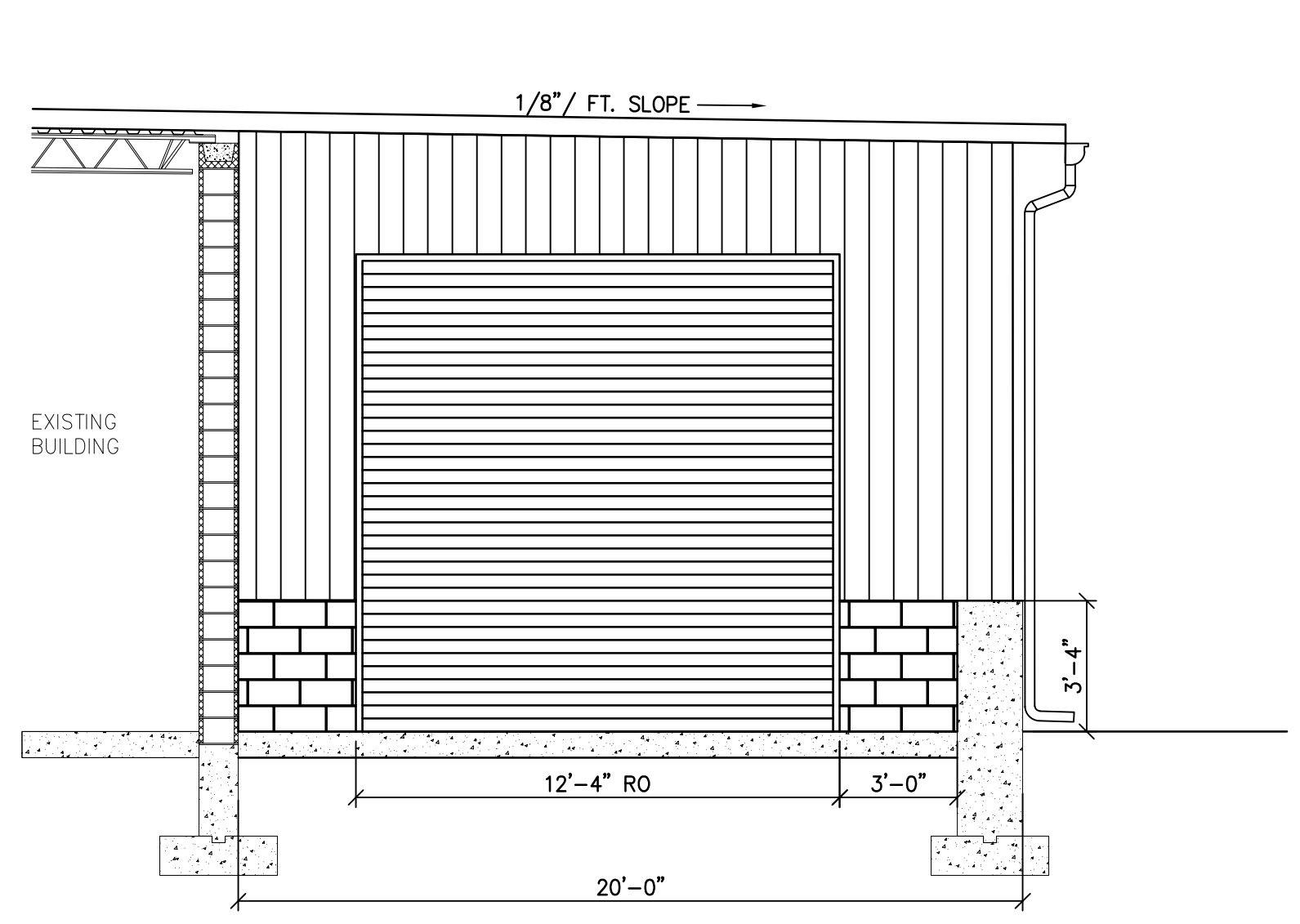
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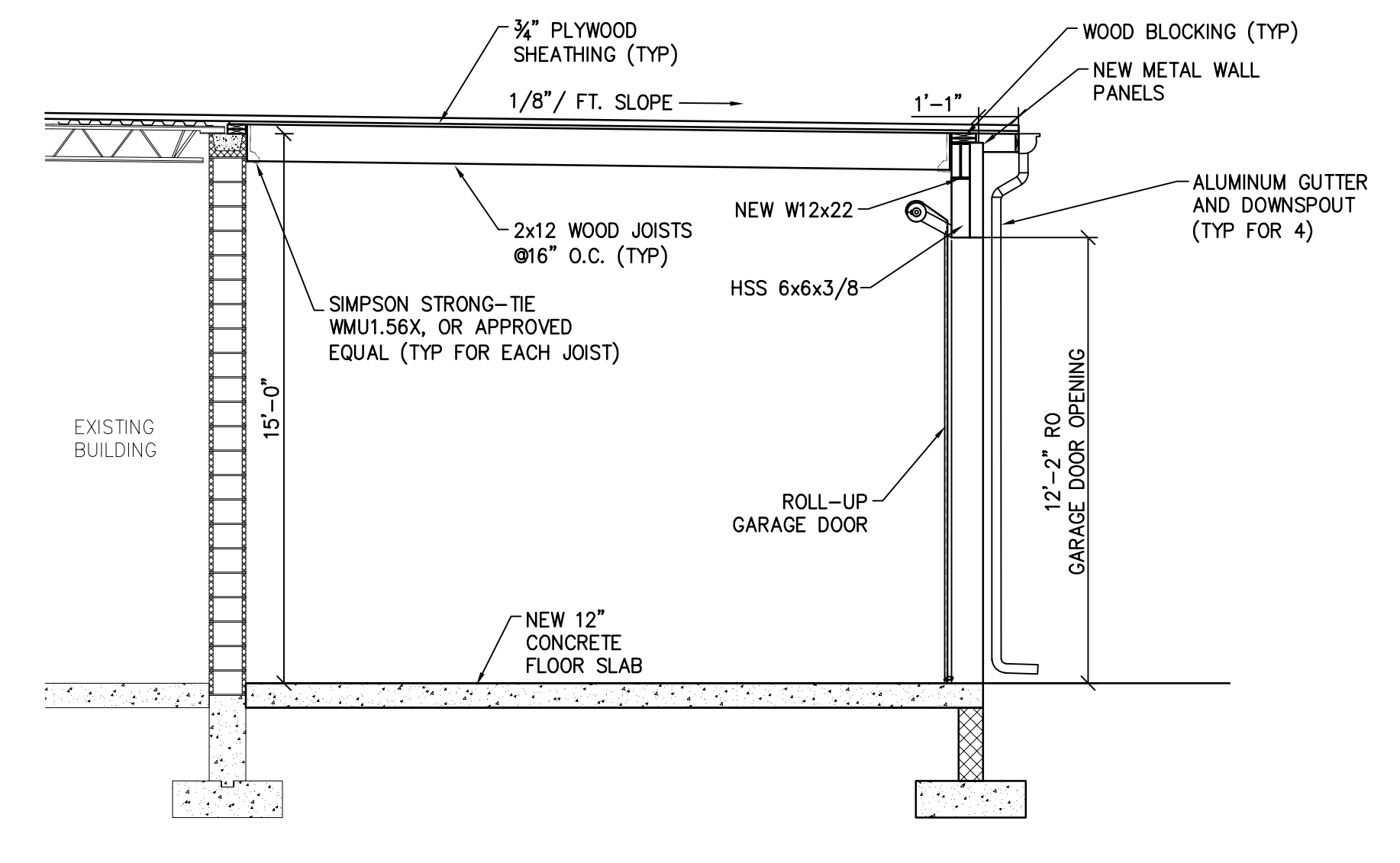
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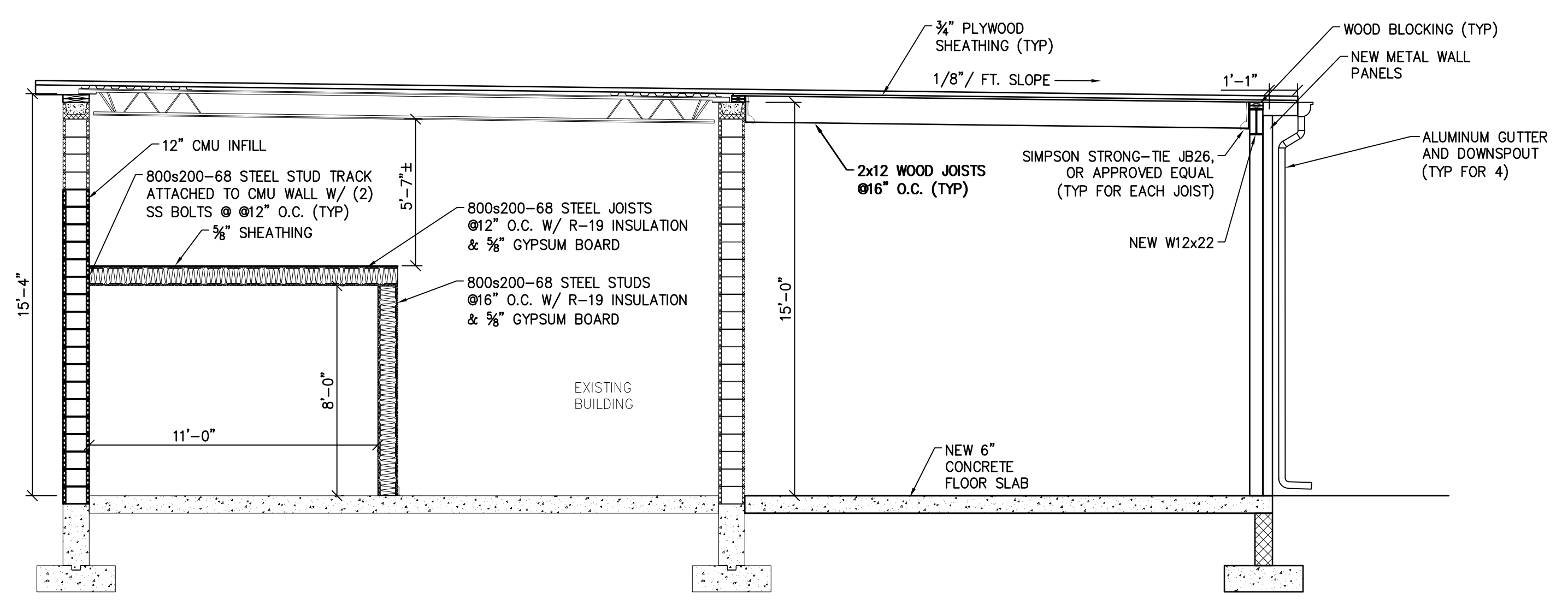
**FRONT ELEVATION 1**  
 SCALE: 1/4"=1'  
 S-6



**EXTERIOR ELEVATION 2**  
 SCALE: 1/4"=1'  
 S-6



**INTERIOR SECTION 3**  
 SCALE: 1/4"=1'  
 S-6



**INTERIOR SECTION 4**  
 SCALE: 1/4"=1'  
 S-6

**SECTION AND ELEVATIONS**  
 SOUTH JERSEY TRANSPORTATION AUTHORITY  
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DATE: 08-27-2020  
**CHRISTOPHER A. SAPONARO**  
 NJ PROFESSIONAL ENGINEER LIC. No. 40059

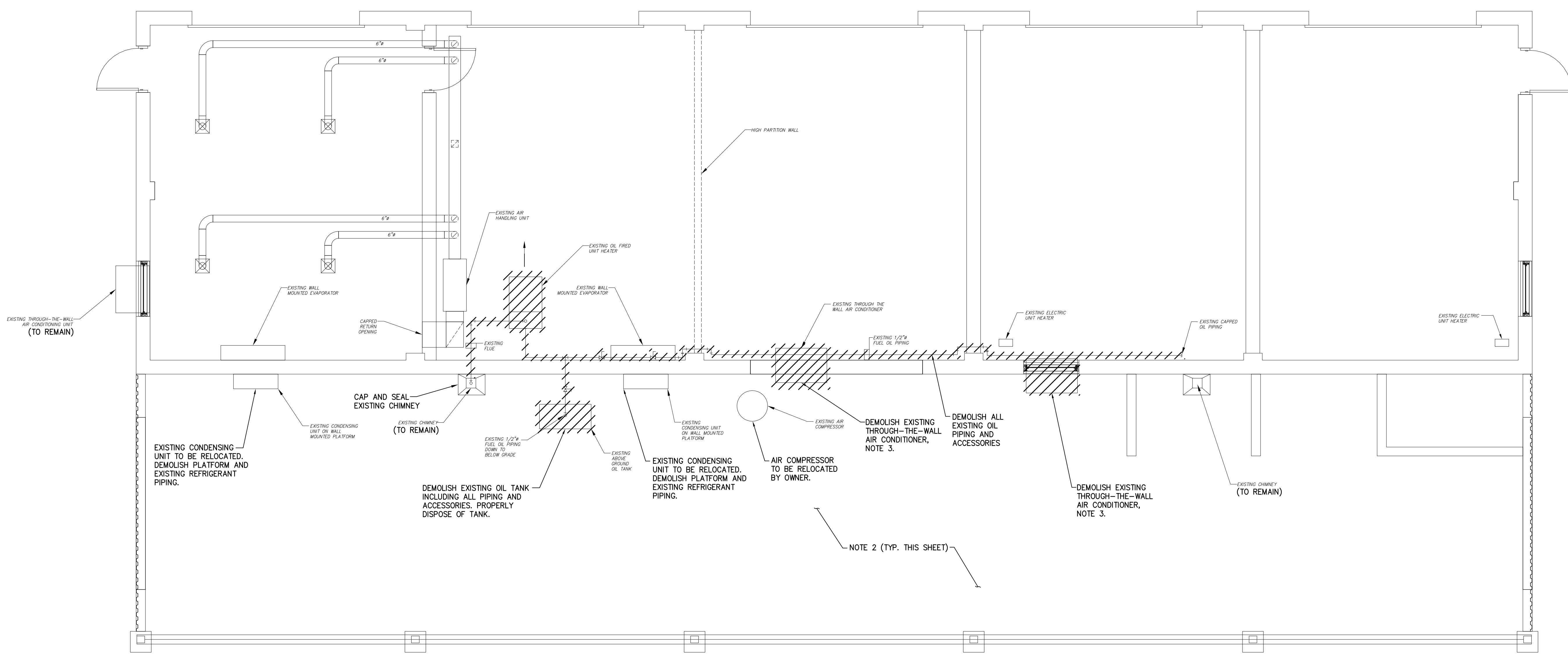
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**MECHANICAL DEMOLITION FLOOR PLAN**  
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 STORAGE BUILDING AT ATLANTIC CITY EXPRESSWAY CENTRAL MAINTENANCE  
 ATLANTIC CITY ATLANTIC COUNTY NEW JERSEY

|                        |                         |              |                    |
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| DRAWN BY:<br><b>BZ</b> | DESIGN BY:<br><b>TK</b> | CHECKED BY:  | SCALE:<br>AS NOTED |
| DATE:<br>04-22-2020    | SHEET No.:              | <b>M-1.1</b> |                    |
| JOB No.:               | ACEXX780                |              |                    |



**1 MECHANICAL DEMOLITION FLOOR PLAN**  
 SCALE: 1/4" = 1'-0"

- NOTES:**
- ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
  - THIS DEMOLITION PLAN HAS BEEN PROVIDED AS A GUIDE. HOWEVER, ALL DEMOLITION REQUIRED TO SUCCESSFULLY COMPLETE THIS PROJECT SHALL BE INCLUDED IN THE SCOPE OF WORK. IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS TO SECURE A COMPLETELY INTERCONNECTED AND FUNCTIONING SYSTEM AND IF ANY WORKMANSHIP OR MATERIALS BE REQUIRED WHICH ARE OBVIOUSLY NECESSARY TO CARRY OUT THE FULL INTENT AND MEANING OF THE PLANS AND SPECIFICATIONS OR TO BE REASONABLY INFERRED THEREFROM, THE COST OF SUCH WORKMANSHIP OR MATERIALS SHALL BE INCLUDED IN THE SCOPE OF WORK.
  - CONTRACTOR SHALL PATCH AND REPAIR EXISTING OPENING AS A RESULT OF THE DEMOLITION OF THE EXISTING AIR CONDITIONING UNIT.





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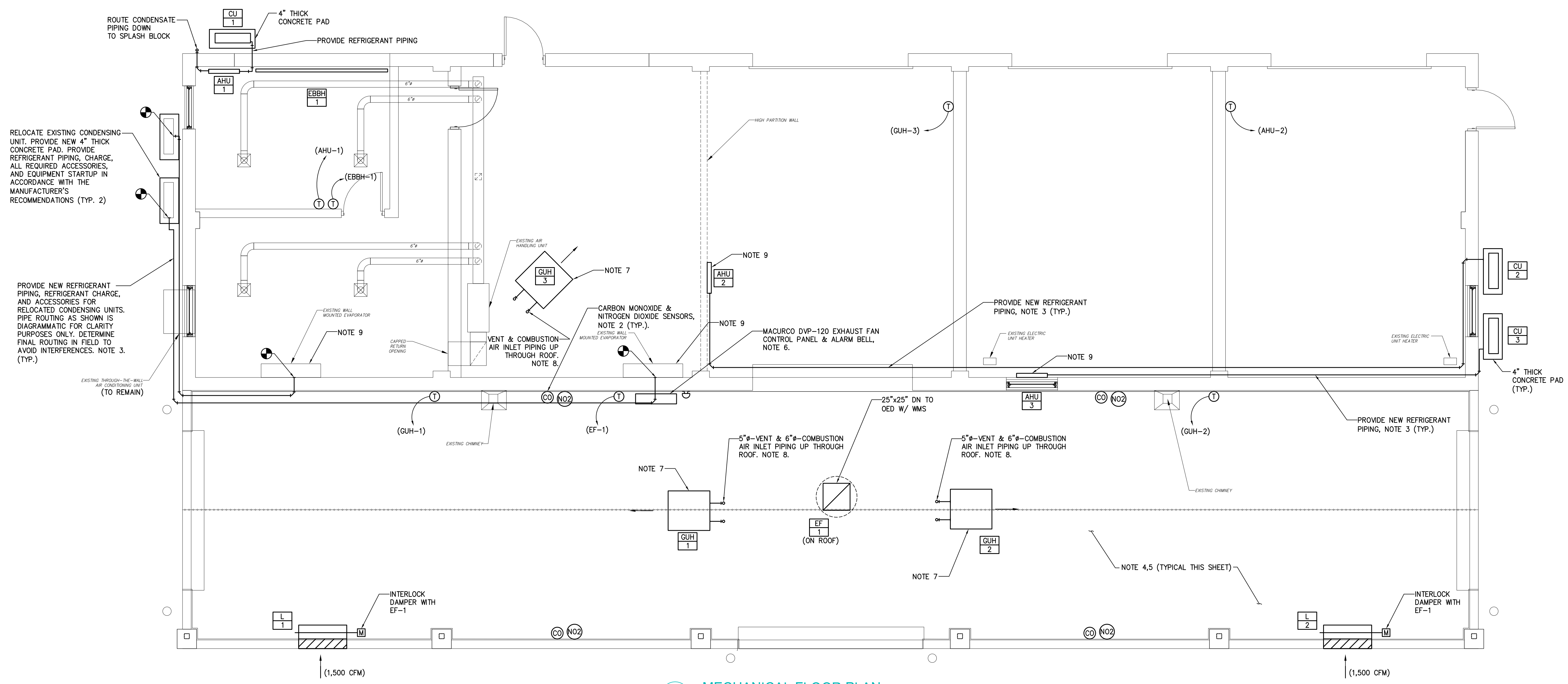
DATE: 08-27-2020  
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**MECHANICAL FLOOR PLAN**  
SOUTH JERSEY TRANSPORTATION AUTHORITY  
STORAGE BUILDING AT ATLANTIC CITY  
EXPRESSWAY CENTRAL MAINTENANCE  
ATLANTIC CITY ATLANTIC COUNTY NEW JERSEY

|            |            |             |        |
|------------|------------|-------------|--------|
| DRAWN BY:  | DESIGN BY: | CHECKED BY: | SCALE: |
| BZ         | TK         | AS NOTED    |        |
| DATE:      | SHEET No.: |             |        |
| 04-22-2020 | M-2.1      |             |        |
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| ACEXX780   |            |             |        |



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

- NOTES:**
- ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
  - PROVIDE CARBON MONOXIDE DETECTOR MODEL CM-6 BY MACURCO OR EQUAL. PROVIDE NITROGEN DIOXIDE DETECTOR MODEL TX-6 BY MACURCO OR EQUAL. INSTALL SENSORS APPROXIMATELY 5'-0" A.F.F. MINIMUM QUANTITY OF DETECTORS SHOWN. PROVIDE FINAL QUANTITY AND LOCATION FOR DETECTION OVER ENTIRE MECHANICAL AREA IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. CONNECT DETECTORS TO THE DVP-120 CONTROL PANEL THAT CONTROLS FAN IN ASSOCIATED DETECTION AREA. PROVIDE MANUAL OVERRIDE FOR CONTINUOUS OPERATION. CO AND NO2 DETECTION LEVELS SHALL BE AS RECOMMENDED BY THE MANUFACTURER.
  - PROVIDE REFRIGERANT PIPING IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. DETERMINE FINAL ROUTING IN FIELD. THE PIPE ROUTING AS SHOWN IS FOR SCHEMATIC/DIAGRAMMATIC PURPOSES ONLY.
  - EQUIPMENT LOCATIONS AS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE FINAL LOCATIONS IN THE FIELD TO AVOID INTERFERENCES AND MAINTAIN ALL OF THE MANUFACTURER'S RECOMMENDED CLEARANCES. CONTRACTOR SHALL COORDINATE WITH EXISTING & PROPOSED STRUCTURAL STEEL, ELECTRICAL CONDUIT, PIPING, FIRE ALARM, ETC. ALL MODIFICATIONS MADE TO THE EQUIPMENT TO RESOLVE INTERFERENCES SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
  - NOT ALL INLINE DEVICES (VALVES, DAMPERS, REDUCERS, ETC.) HAVE BEEN SHOWN ON THE PLANS FOR CLARITY; SEE PIPING DETAILS ON MECHANICAL DETAIL DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE ALL INLINE DEVICES (VALVES, DAMPERS, REDUCERS, GAUGES, ETC.) AS REQUIRED TO COMPLETE THE INSTALLATION EVEN IF NOT SPECIFICALLY SHOWN ON THE PLANS OR DETAILS.
  - THE MACURCO DVP-120 AUTOMATIC EXHAUST FAN CONTROLLER SHALL ACTIVATE THE EXHAUST FAN AND ALARM BELL ON A DETECTION OF CARBON MONOXIDE AND/OR NITROGEN DIOXIDE. CARBON MONOXIDE DETECTION AND/OR NITROGEN DIOXIDE LEVELS SHALL BE AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER. PROVIDE SYSTEM WITH A MANUAL OVERRIDE SWITCH SUCH THAT THE FANS CAN RUN CONTINUOUSLY. QUANTITY AND LOCATION OF SENSORS SHALL BE AS RECOMMENDED BY THE MANUFACTURER. INTERLOCK THERMOSTAT WITH MACURCO PANEL FOR THERMOSTATIC CONTROL OF EXHAUST FAN.
  - INSTALL UNIT HEATER AS HIGH TO THE BOTTOM OF ROOF AS POSSIBLE WHILE MAINTAINING ALL OF THE MANUFACTURER'S REQUIRED CLEARANCES. BOTTOM OF HEATER SHALL BE APPROXIMATELY 11'-6" A.F.F. PROVIDE HANGERS AND SUPPORTS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
  - PROVIDE COMBUSTION AIR INTAKE AND VENT PIPING IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ALL APPLICABLE CODES AND STANDARDS. PROVIDE APPROVED END CAPS AND ROOF TERMINATIONS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
  - PROVIDE CONDENSATE PUMP FOR DUCTLESS EVAPORATOR. PROVIDE CONDENSATE PIPING AND ROUTE TO APPROVED EXTERIOR AREA. COORDINATE FINAL ROUTING IN FIELD.

RELOCATE EXISTING CONDENSING UNIT. PROVIDE NEW 4" THICK CONCRETE PAD. PROVIDE REFRIGERANT PIPING, CHARGE, ALL REQUIRED ACCESSORIES, AND EQUIPMENT STARTUP IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS (TYP. 2)

PROVIDE NEW REFRIGERANT PIPING, REFRIGERANT CHARGE, AND ACCESSORIES FOR RELOCATED CONDENSING UNITS. PIPE ROUTING AS SHOWN IS DIAGRAMMATIC FOR CLARITY PURPOSES ONLY. DETERMINE FINAL ROUTING IN FIELD TO AVOID INTERFERENCES. NOTE 3. (TYP.)

EXISTING THROUGH-THE-WALL AIR CONDITIONING UNIT (TO REMAIN)

ROUTE CONDENSATE PIPING DOWN TO SPLASH BLOCK

4" THICK CONCRETE PAD

PROVIDE REFRIGERANT PIPING

(AHU-1)

(EBBH-1)

EXISTING WALL MOUNTED EVAPORATOR

NOTE 9

CAPPED RETURN OPENING

(GUH-1)

EXISTING CHIMNEY

(EF-1)

NOTE 7

(GUH 1)

(ON ROOF)

EF 1

NOTE 7

(L 1)

INTERLOCK DAMPER WITH EF-1

(1,500 CFM)

(CO) (NO2)

(M)

(IM)

(L 2)

(1,500 CFM)

(CO) (NO2)

(M)

(IM)

(L 2)

(1,500 CFM)

(CO) (NO2)

(M)

(IM)

EXISTING AIR HANDLING UNIT

NOTE 7

(GUH 3)

NOTE 9

EXISTING WALL MOUNTED EVAPORATOR

NOTE 9

VENT & COMBUSTION AIR INLET PIPING UP THROUGH ROOF. NOTE 8.

(GUH-1)

EXISTING CHIMNEY

(EF-1)

NOTE 7

(GUH 1)

(ON ROOF)

EF 1

NOTE 7

(L 1)

INTERLOCK DAMPER WITH EF-1

(1,500 CFM)

(CO) (NO2)

(M)

(IM)

(L 2)

(1,500 CFM)

(CO) (NO2)

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(1,500 CFM)

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(IM)

(L 2)

(1,500 CFM)















# ELECTRICAL SYMBOLS

(ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT)

|  |  |
|--|--|
|  | 2'x4' LIGHT FIXTURE (A - INDICATES FIXTURE TYPE)   |
|  | 2'x4' EMERGENCY LIGHT FIXTURE  |
|  | 2'x2' LIGHT FIXTURE  |
|  | 2'x2' EMERGENCY LIGHT FIXTURE  |
|  | 1'x4' LIGHT FIXTURE  |
|  | 1'x4' EMERGENCY LIGHT FIXTURE  |
|  | DOWNLIGHT LIGHT FIXTURE  |
|  | EMERGENCY DOWNLIGHT LIGHT FIXTURE  |
|  | WALL MOUNTED LIGHT FIXTURE   |
|  | EXIT SIGN (SHADED AREA INDICATES FACE)<br>(ARROW INDICATES DIRECTION)<br>XW - WALL MOUNTED<br>XC - CEILING MOUNTED |
|  | DUAL HEAD EMERGENCY BATTERY BACKUP   |
|  | DUAL REMOTE HEADS  |
|  | DUAL REMOTE ADJUSTABLE HEADS   |
|  | SWITCH, SINGLE POLE TOGGLE   |
|  | SWITCH, 3-WAY TOGGLE   |
|  | SWITCH, 4-WAY TOGGLE   |
|  | SWITCH, DIMMER   |
|  | SWITCH, KEY OPERATED   |
|  | SWITCH, PILOT LIGHT  |
|  | SWITCH, LOW VOLTAGE  |
|  | SWITCH, 3-WAY EMERGENCY BOILER OFF,  |
|  | FRACTIONAL HP STARTER  |
|  | SWITCH, EMERGENCY BOILER OFF, 3-WAY  |
|  | OCCUPANCY SENSOR - P = PASSIVE INFRARED<br>U = ULTRASONIC<br>D = DUAL TECHNOLOGY                                   |
|  | PHOTOCELL  |
|  | MOTOR (# - INDICATES HORSEPOWER)   |
|  | CIRCUIT BREAKER IN ENCLOSURE   |
|  | CIRCUIT BREAKER - (SIZE AND # OF POLES AS INDICATED ON DRAWINGS)   |
|  | EXPOSED RACEWAY  |
|  | LOW VOLTAGE WIRING   |
|  | CONDUIT CONCEALED IN WALLS OR CEILING  |
|  | EMERGENCY CIRCUIT  |
|  | CONDUIT CONCEALED IN OR UNDER FLOOR OR UNDERGROUND   |
|  | HOMERUN - CIRCUIT & PANEL AS INDICATED<br>(2#12 + 1#12G, 3/4"C, UNLESS OTHERWISE NOTED)                            |
|  | CABLE TRAY   |
|  | SURFACE RACEWAY, WIREMOLD  |
|  | FIRE ALARM PULL STATION  |
|  | FIRE ALARM STROBE LIGHT - (XXcd - CANDELLA RATING)   |
|  | FIRE ALARM HORN  |
|  | COMBINATION FIRE ALARM HORN/STROBE -<br>(XXcd - CANDELLA RATING)   |
|  | PHOTO-ELECTRIC TYPE SMOKE DETECTOR   |
|  | HEAT DETECTOR (COMBINATION FT/RR U.O.N.,<br>A-ANTICIPATOR TYPE, AC-ABOVE CEILING.)                                 |
|  | COMBINATION HEAT/SMOKE   |
|  | PHOTO-ELECTRIC TYPE DUCT SMOKE DETECTOR  |
|  | REMOTE KEY PAD   |
|  | ELECTRONIC DOOR LOCK   |
|  | REQUEST TO EXIT PUSH BUTTON  |
|  | CREDENTIAL READER  |
|  | FIRE ALARM CONTROL PANEL   |
|  | FIRE ALARM ANNUNCIATOR   |
|  | SPRINKLER FLOW SWITCH  |
|  | SPRINKLER TAMPER SWITCH  |
|  | MAGNETIC DOOR HOLDER   |
|  | VOIP OUTLET  |
|  | DATA OUTLET  |
|  | COMBINATION VOIP AND DATA OUTLET   |
|  | SOUND SYSTEM WALL PHONE  |

# ABBREVIATIONS

|  |  |
|--|--|
|  | RECEPTACLE, DUPLEX - (S - SURGE PROTECTOR)<br>(L - LOCKING COVER)<br>(+ - MOUNT 8" A.F.F.)                 |
|  | RECEPTACLE, QUAD   |
|  | RECEPTACLE, SINGLE   |
|  | RECEPTACLE, GFI - (WP-WEATHERPROOF IN-USE COVER)   |
|  | RECEPTACLE, SPECIAL (NEMA CONFIGURATION INDICATED)   |
|  | RECEPTACLE, DUPLEX FLOOR MOUNT   |
|  | FLUSH FLOOR BOX WITH TELE/DATA AND<br>DUPLEX RECEPTACLES   |
|  | RECEPTACLE, CEILING  |
|  | JUNCTION BOX, CEILING  |
|  | JUNCTION BOX, FLOOR MOUNTED  |
|  | JUNCTION BOX, TELEPHONE  |
|  | JUNCTION BOX, DATA   |
|  | JUNCTION BOX, TELEPHONE/DATA   |
|  | JUNCTION BOX   |
|  | LIGHTING/RECEPTACLE PANEL - SURFACE MOUNTED  |
|  | LIGHTING/RECEPTACLE PANEL - FLUSH MOUNTED  |
|  | EQUIPMENT CABINET OR PANEL - FLUSH MOUNTED   |
|  | EQUIPMENT CABINET OR PANEL - FLUSH MOUNTED   |
|  | NON-FUSED DISCONNECT SWITCH -<br>(XX/XX/XX - INDICATES AMPS/VOLTS/PHASE)<br>30A, 3P UNLESS OTHERWISE NOTED |
|  | FUSED DISCONNECT SWITCH  |
|  | COMBINATION STARTER/DISCONNECT SWITCH  |
|  | VARIABLE FREQUENCY DRIVE WITH DISCONNECT   |
|  | MAGNETIC STARTER   |
|  | KEY OPERATED CONTROL STATION   |
|  | MAGNETIC CONTACTOR   |
|  | TIME CLOCK SWITCH  |
|  | DOOR BELL PUSH BUTTON  |
|  | DOOR BELL  |
|  | RELAY  |
|  | HAND DRYER   |
|  | SPEAKER - CEILING MOUNTED  |
|  | SPEAKER - WALL MOUNTED   |
|  | SPEAKER HORN   |
|  | MICROPHONE - CEILING MOUNTED   |
|  | CLOCK/SPEAKER BAFFLE   |
|  | SOUND VOLUME CONTROL   |
|  | INTERCOM   |
|  | ALARM BELL   |
|  | DUPLEX RECEPTACLE AND CATV RECEPTACLE  |
|  | EMERGENCY BOILER SHUTOFF   |
|  | EMERGENCY ELECTRIC SHUTOFF   |
|  | PANIC ALARM BUTTON   |
|  | ELECTRIC UTILITY METER   |
|  | SECURITY/VIDEO CAMERA (PTZ - PAN/TILT/ZOOM)<br>(E) - EXISTING  |
|  | JUNCTION BOX   |
|  | ELECTRIC FLUSH VALVE TRANSFORMER JUNCTION BOX - ABOVE CEILING  |
|  | ELECTRIC FAUCET SENSOR   |
|  | INDICATES TO BE<br>DEMOLISHED  |
|  | DENOTES POINT OF CONNECTION OF OLD TO<br>NEW   |
|  | ITEMS FURNISHED BY OTHERS, BUT INSTALLED &<br>WIRED BY E.C.  |
|  | ITEMS FURNISHED & INSTALLED BY OTHERS, BUT<br>WIRED BY E.C.  |
|  | ITEMS FURNISHED, INSTALLED AND WIRED BY<br>OTHERS  |
|  | ITEMS FURNISHED & WIRED BY E.C., BUT INSTALLED<br>BY OTHERS  |
|  | EQUIPMENT DESIGNATION TAG  |

|                    |                               |              |  |             |                                     |
|--------------------|-------------------------------|--------------|--|-------------|-------------------------------------|
| %                  | PERCENT                       | EMERG.       | EMERGENCY                              | MTD.        | MOUNTED                             |
| AND                | AND                           | EQUIP.       | EQUIPMENT                              | MTG.        | MOUNTING                            |
| PHASE              | PHASE                         | EST.         | ESTIMATE                               | N           | NEUTRAL                             |
| CENTIGRADE DEGREES | CENTIGRADE DEGREES            | EX.          | EXISTING                               | NC          | NORMAL CLOSED                       |
| FAHRENHEIT DEGREES | FAHRENHEIT DEGREES            | EXT.         | EXTERNAL/EXTERIOR                      | NEC         | NATIONAL ELECTRICAL CODE            |
| F                  | F                             | F.A.         | FIRE ALARM                             | NEMA        | NATIONAL ELECTRICAL MANUF. ASSOC.   |
| 1/C                | AIR CIRCUIT BREAKER           | F.FACP       | FIRE ALARM CONTROL PANEL               | NIC         | NOT IN CONTRACT                     |
| A.C.B.             | AMPERES INTERRUPTING CAPACITY | F.E.         | FIRE EXTINGUISHER                      | NO          | NORMALLY OPEN                       |
| A.T.C.             | AUTOMATIC TEMPERATURE CONTROL | F.O.         | FIBER OPTIC                            | NO.         | NUMBER                              |
| A.T.S.             | AUTOMATIC TRANSFER SWITCH     | F.DN.        | FOUNDATION                             | NLS         | NOT TO SCALE                        |
| A/C.               | AIR CONDITION                 | FIG.         | FIGURE                                 | NTS         | NIGHT LIGHT CIRCUIT                 |
| AC                 | ALTERNATING CURRENT           | FIN.         | FINISH/FINISHED                        | N.F.        | NON FUSED                           |
| ADDL.              | ADDITIONAL                    | FIXT.        | FIXTURE                                | P           | POLE                                |
| AF                 | AMPERE FRAME                  | FL.          | FLOOR                                  | PC          | PHOTO CELL                          |
| A-F                | AMPERE FUSE                   | FLA          | FULL LOAD AMPERES                      | P.I.L.C.    | PAPER INSULATED LEAD COVERED        |
| AFF                | ABOVE FINISHED FLOOR          | FLEX.        | FLEXIBLE                               | PB, P       | PULL BOX, BREAKER OR SWITCH POLE    |
| AFG                | ABOVE FINISHED GRADE          | F.L.M.C.     | FLEXIBLE LIQUIDTIGHT METALLIC CONDUIT  | PBL         | PANELBOARD                          |
| AHU                | AIR HANDLING UNIT             | FLUOR.       | FLUORESCENT                            | PORC.       | PORCELAIN                           |
| AL.                | ALUMINUM                      | FC           | FOOTCANDLE                             | PR1.        | PRIMARY                             |
| AMP., A.           | AMPERE                        | FT.          | FEET                                   | PS          | PAYSTATION TELEPHONE                |
| APPROX.            | APPROXIMATE                   | FU.          | FUSE/FUSED                             | PTD.        | PAINTED                             |
| ARCH.              | ARCHITECTURAL                 | G.C.         | GENERAL CONTRACTOR                     | PVC         | POLYVINYLCHLORIDE                   |
| AT                 | AMPERE TRIP                   | GA.          | GAGE/GAUGE                             | R           | RADIUS                              |
| ASY.               | ASYMMETRICAL                  | GALV.        | GALVANIZED                             | RAP         | REMOTE ANNUNCIATOR PANEL            |
| AUX.               | AUXILIARY                     | GEN.         | GENERATOR                              | R.C.SW.     | REMOTE CONTROL SWITCH               |
| B.F.C.             | BELOW FINISHED CEILING        | GFCI         | GROUND FAULT CIRCUIT INTERRUPTER       | REBAR.      | REINFORCING BAR                     |
| BKR.               | BREAKER                       | GFI          | GROUND FAULT INTERRUPTER               | REC.        | RECESSED, RECEPTACLE                |
| BLDG.              | BUILDING                      | GND., G      | GROUND                                 | RCPT.       | RECEPTACLES                         |
| BSMT.              | BASEMENT                      | H.I.D.       | HIGH INTENSITY DISCHARGE               | REQD        | REQUIRED                            |
| C                  | CONDUIT                       | H.O.A.       | HAND OFF AUTO                          | REV.        | REVISION                            |
| C OF U             | COEFFICIENT OF UTILIZATION    | H.P.S.       | HIGH PRESSURE SODIUM                   | RF          | RADIO FREQUENCY                     |
| C.T., CT           | CURRENT TRANSFORMER           | HEX.         | HEXAGON                                | RGA         | REMOTE GENERATOR ANNUNCIATOR        |
| CB, CIR. BKR., C/B | CIRCUIT BREAKER               | HH           | HANDHOLE                               | RGS         | RIGID GALVANIZED STEEL CONDUIT      |
| CCTV               | CLOSED CIRCUIT TELEVISION     | HORIZ.       | HORIZONTAL                             | RM          | ROOM                                |
| CIR., CIRC         | CIRCUIT                       | HP           | HORSEPOWER                             | RT          | ROOFTOP                             |
| CL.                | CLOSET                        | H.P.F.       | HIGH POWER FACTOR                      | S.F.        | SQUARE FEET                         |
| CLG.               | CEILING                       | HTF          | HEIGHT                                 | S.S.        | STAINLESS STEEL                     |
| CO.                | COMPANY                       | HWH          | HOT WATER HEATER                       | SEC.        | SECONDARY                           |
| COAX.              | COAXIAL CABLE                 | HZ.          | HERTZ                                  | SECT.       | SECTION                             |
| COLUMN             | COLUMN                        | IMC          | INTERMEDIATE CONDUIT                   | SEP.        | SEPARATE                            |
| COMP.              | COMPLETE                      | INC.         | INCANDESCENT                           | SERV.       | SERVICE                             |
| CONC.              | CONCRETE                      | INSUL.       | INSULATION/INSULATED                   | SHT.        | SHEET                               |
| CONC.              | CONDUCTOR                     | ISOL.        | ISOLATED                               | SIG.        | SIGNAL                              |
| CONN.              | CONNECTED, CONNECTOR          | IAP          | INTRUSION ALARM PANEL                  | SK.         | SKETCH                              |
| CONST.             | CONSTRUCTION                  | IAKP         | INTRUSION ALARM KEYPAD                 | SN          | SOLID NEUTRAL                       |
| CONT.              | CONTINUATION                  | JB, J        | JUNCTION BOX                           | SPECS.      | SPECIFICATIONS                      |
| CONTR.             | CONTRACTOR                    | KAIC         | THOUSAND AMPERES INTERRUPTING CAPACITY | SQ.         | SQUARE                              |
| COORD.             | COORDINATE                    | KVAR         | KILOVOLT                               | STA.        | STATION                             |
| CORR.              | CORRIDOR                      | KO           | KNOCKOUT                               | SURF.       | SURFACE                             |
| CPU                | CENTRAL PROCESSING UNIT       | KW           | KILOWATT                               | SUSP.       | SUSPENDED                           |
| CT                 | CURRENT TRANSFORMER           | KCMIL        | THOUSAND CIRCULAR MILS                 | SW.         | SWITCH                              |
| Cu                 | COPPER, CONDENSING UNIT       | KWH          | KILOWATT HOUR                          | SWBD        | SWITCHBOARD                         |
| CU                 | CONDENSING UNIT               | KHZ          | KILOHERTZ                              | SYM.        | SYMMETRICAL                         |
| CU, FT.            | CUBIC FEET                    | KV           | KILOVOLT                               | TC          | TIME CLOCK                          |
| CW                 | CLOCKWISE, COOL WHITE         | KVA          | KILOVOLT-AMPERE                        | TEL.        | TELEPHONE                           |
| D                  | DEPTH                         | LG.          | LENGTH                                 | THRU        | THROUGH                             |
| DEM                | DEMAND                        | L.F.         | LINEAR FEET                            | TRANS./XFMR | TRANSFORMER                         |
| DIA.               | DIAMETER                      | LG.          | LONG                                   | TVSS        | TRANSIENT VOLTAGE SURGE SUPPRESSOR  |
| DISC               | DISCONNECT SWITCH             | LRA          | LOCKED ROTOR AMPERES                   | SD          | SUPPRESSION DEVICE                  |
| DIV.               | DIVISION                      | LT.          | LIGHT                                  | SFP         | SURGE PROTECTION DEVICE             |
| DN.                | DOWN                          | LTG.         | LIGHTING                               | SSRV        | SOLID STATE REDUCED VOLTAGE STARTER |
| DPST               | DOUBLE POLE SINGLE THROW      | M.L.O.       | MAIN LUGS ONLY                         | TYP.        | TYPICAL                             |
| DRAW., DWG.        | DRAWING                       | M/C          | MULTI-CONDUCTOR                        | U.O.N.      | UNLESS OTHERWISE NOTED              |
| E.C.               | ELECTRICAL CONTRACTOR         | MANUF., MFR. | MANUFACTURER                           | UH          | UNIT HEATER                         |
| E.F., EF           | EXHAUST FAN                   | MB           | MAXIMUM                                | UL          | UNDERWRITING LABORATORIES           |
| E.H.               | ELECTRIC HEATER               | MCB          | MAIN CIRCUIT BREAKER                   | UPS         | UNINTERRUPTIBLE POWER SOURCE        |
| E.P.R.             | ETHYLENE PROPYLENE RUBBER     | MCC          | MOTOR CONTROL CENTER                   | V           | VOLTAGE, VOLTS                      |
| E.W.               | EACH WAY                      | MCM          | MOTOR CONTROL CENTER                   | VD          | VOLTAGE DROP                        |
| EA.                | EACH                          | MDS          | MAIN DISTRIBUTION SWITCHBOARD          | VERT.       | VERTICAL                            |
| EHT                | ELECTRICAL HEAT TRACING CABLE | MDP          | MAIN DISTRIBUTION PANEL                | VS.         | VERSUS                              |
| ELEC. CLO.         | ELECTRICAL CLOSET             | MECH.        | MECHANICAL                             | W           | WIRE                                |
| ELEC./ELECT.       | ELEVATION/ELEVATOR            | MET.         | METALLIC                               | W.I.        | WROUGHT IRON                        |
| ELEV./EL.          | EMERGENCY POWER PACK COMPLETE | MF           | MAINTENANCE FACTOR                     | W/          | WITH                                |
| EM                 | ELECTRICAL METALLIC TUBING    | MG           | MOTOR GENERATOR                        | W/O         | WITHOUT                             |
| EMT                | ENCLOSURE                     | MIN.         | MINIMUM                                | WD.         | WIDE                                |
| ENCL.              | ENTRANCE                      | MISC         | MISCELLANEOUS                          | WP          | WEATHER PROOF                       |
| ENT.               |                               |              |  | XLP         | CROSSLINKED POLYETHYLENE            |

# GENERAL NOTES

- ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, THE SPECIFICATIONS FOR GROUNDING, THE CONTRACT DRAWINGS, FEDERAL, STATE AND LOCAL CODES AND TO THE SATISFACTION OF THE ENGINEER. ALL GROUNDING CONNECTIONS TO BE MADE BY THE CADWELD PROCESS OR EQUAL.
- ALL CONDUITS AND ELECTRICAL EQUIPMENT ARE SHOWN DIAGRAMMATICALLY AND MAY BE ALTERED TO SUIT FIELD CONDITIONS PENDING ENGINEER'S APPROVAL.
- ALL PLANS ELEVATIONS AND CLEARANCES SHALL BE CHECKED IN THE FIELD PRIOR TO INSTALLATION TO AVOID ALL OBSTRUCTIONS.
- ALL JUNCTION BOXES SHALL BE OF SUFFICIENT SIZE TO PROVIDE FREE SPACE FOR ALL CONDUCTORS ENCLOSED IN THE BOX AND SHALL BE SIZED WITH THE LATEST N.E.C. ARTICLE 314.
- ALL DIMENSIONS ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
- CONTRACTOR SHALL CHECK FOR OBSTRUCTIONS AND CLEAN OUT ALL CONDUITS PRIOR TO PULLING IN CABLES.
- PHASING OF ALL ELECTRICAL CONNECTIONS SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR AND SHALL BE MADE IN ACCORDANCE WITH THE LOCAL UTILITY COMPANY REQUIREMENTS.
- ALL HOLES THROUGH STRUCTURE TO ACCOMMODATE ELECTRICAL CONDUITS SHALL BE CORE DRILLED AND SEALED WITH NON-SHRINK GROUTING COMPOUND. WHERE RACEWAYS PASS THROUGH FLOORS AND FIRE RATED WALLS AND/OR PARTITIONS, CONTRACTOR SHALL FURNISH UL RATED FIREPROOFING MATERIAL TO BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND RESTORE ORIGINAL FIRE RATING.
- THE CONTRACTOR SHALL FURNISH STRUCTURAL SUPPORT FOR ALL EQUIPMENT. FOR SURFACE MOUNTED EQUIPMENT, SUCH AS PANELBOARDS, STARTERS, SAFETY SWITCHES AND THE LIKE, PROVIDE "UNISTRUT" WITH CORROSION RESISTANT MOUNTING HARDWARE.
- NO CONDUIT SMALLER THAN 3/4" SHALL BE USED UNLESS OTHERWISE SPECIFIED.
- ALL JOINTS BETWEEN DISSIMILAR METALS SHALL BE COATED WITH A LITHIUM BASED THREAD LUBRICANT.
- RACEWAYS SHALL BE PROVIDED WITH AN APPROVED EXPANSION-DEFLECTION FITTINGS WHERE CROSSING BUILDING CONSTRUCTION EXPANSION JOINTS AND WHERE NECESSARY TO COMPENSATE FOR THERMAL EXPANSION AND CONTRACTION.
- FURNISH AND INSTALL CONCRETE PADS FOR ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT.
- PRIOR TO SUBMITTING PROPOSALS, BIDDERS ARE INSTRUCTED TO REVIEW PLANS AND SPECIFICATIONS OF ALL CONCURRENT WORK TO DETERMINE QUANTITIES OF LABOR AND MATERIAL NECESSARY TO INSTALL, CONNECT, AND TEST MATERIAL FURNISHED UNDER THESE SPECIFICATIONS. ANY ADDITIONAL LABOR AND MATERIAL REQUIRED DUE TO FAILURE OF THE CONTRACTOR TO FOLLOW THESE INSTRUCTIONS, SHALL BE FURNISHED AT NO ADDITIONAL COST TO THE OWNER.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ALL OTHER CONTRACTORS EMPLOYED ON THIS PROJECT PRIOR TO ROUGHING IN. THE CONTRACTOR SHALL OBTAIN AND REVIEW APPROVED SHOP DRAWINGS OF ALL OTHER TRADES AFFECTING ALL ELECTRICAL WORK.
- THE CONTRACTOR SHALL CHECK AND TORQUE TIGHTEN ALL CONNECTIONS, WHETHER FACTORY MADE OR MADE UNDER THIS CONTRACT, USING ACCURATELY CALIBRATED TOOLS. TORQUE SETTINGS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFIC RECOMMENDATIONS. IN THE ABSENCE OF THE MANUFACTURER'S RECOMMENDATIONS, THE CONTRACTOR SHALL USE THE VALUES LISTED IN TABLES 110-2, 110-3, 110-4, AND 110-5 OF THE NATIONAL ELECTRICAL CODE HANDBOOK.
- INSTALL AN 1/8" INCH POLY PROPYLENE (PULL-IN-ROPE) IN ALL SPARE CONDUITS.
- INSULATED COPPER CONDUCTORS FOR EQUIPMENT GROUNDING SHALL BE ROUTED WITH ALL POWER CONDUCTORS.
- CONDUCTORS USED FOR CONTROL WIRING SHALL BE AT LEAST NO. 14 AWG AND ALL POWER CONDUCTORS SHALL BE AT LEAST NO. 12 AWG UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY SAFETY EQUIPMENT AND EXERCISE PRECAUTIONARY PROCEDURES WHEN WORKING WITH OR NEAR ENERGIZED EQUIPMENT.
- CONTRACTOR SHALL REMOVE ALL OBSOLETE EQUIPMENT, CONDUITS AND WIRING, EXCEPT WHERE OTHERWISE NOTED.
- INTERRUPTION OF SERVICE SHALL BE SCHEDULED AND COORDINATED WITH THE OWNER AND HELD TO MINIMUM IN ORDER TO MAINTAIN THE PROPER OPERATION OF THE FACILITY.
- WHEN CONDUIT OR CABLE RUNS FOR POWER AND LIGHTING EXCEED 60 FT. FOR 120 VOLT OR 120 FT. FOR 277 VOLT TO CENTER OF LOAD, NO. 10 AWG WIRE OR LARGER SHALL BE USED AS REQUIRED FOR A MAXIMUM 2% VOLTAGE DROP AT FULL CIRCUIT CAPACITY.
- HEAVIER LINE WEIGHT SYMBOLS AND TEXT INDICATE NEW WORK UNLESS OTHERWISE NOTED. LIGHT LINE WEIGHT SYMBOLS AND ITALICIZED TEXT INDICATE EXISTING CONDITIONS TO REMAIN UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL SALVAGE ALL DEMOLISHED EQUIPMENT AND VERIFY WITH OWNER PRIOR TO DISPOSING OF THE DEMOLISHED EQUIPMENT.
- CONTRACTOR SHALL COORDINATE THE REMOVAL AND INSTALLATION OF ALL DEVICES ASSOCIATED WITH SURVEILLANCE, COMMUNICATIONS, AND CONTROL OF THE FACILITY WITH THE OWNER.

# STANDARD MOUNTING HEIGHTS

MOUNTING HEIGHTS FOR EQUIPMENT SHALL BE AS LISTED BELOW UNLESS OTHERWISE SPECIFICALLY LABELED. (UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE TO THE CENTERLINE OF BOXES.)

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| SWITCHES                          | 3'-8" A.F.F.                          |
| TELEPHONE - WALL TYPE             | 3'-8" A.F.F.                          |
| TELEPHONE - DESK TYPE             | 1'-6" A.F.F.                          |
| RECEPTACLE - GENERAL OFFICE       | 1'-6" A.F.F.                          |
| RECEPTACLE - MECHANICAL ROOMS     | 3'-0" A.F.F.                          |
| FIRE ALARM GONG OR HORN           | 6'-8" TO BOTTOM OF GONG OR HORN       |
| FIRE ALARM PULL STATION           | 3'-8" A.F.F. TO CENTER OF PULL        |
| FIRE ALARM STROBE LIGHT           | 6'-8" A.F.F. TO BOTTOM OF STROBE      |
| MOTION DETECTORS                  | 6'-5" A.F.F.                          |
| PANELBOARDS                       | 6'-0" TO TOP OF CIRCUIT BREAKER MAX.  |
| EXIT LIGHTS - WALL OR END MOUNTED | ABOVE DOORS (MIN. 7'-6" A.F.F. CLEAR) |
| KEY PAD                           | 3'-0" A.F.F.                          |
| DATA                              | 1'-6" A.F.F.                          |
| VOLUME CONTROL                    | 3'-8" A.F.F.                          |
| TIMERS (NON-ADA)                  | 4'-6" A.F.F.                          |

# WIRE & CONDUIT SIZING SCHEDULE

| WIRE SIZE (AWG/KCMIL) | NO. OF WIRES & CONDUIT SIZE IN INCHES |       |       |       |
|-----------------------|---------------------------------------|-------|-------|-------|
|                       | GROUND                                | 2W+G  | 3W+G  | 4W+G  |
| 1                     | 14                                    | 14    | 3/4   | 3/4   |
| 2                     | 12                                    | 12    | 3/4   | 3/4   |
| 3                     | 10                                    | 10    | 3/4   | 3/4   |
| 4                     | 8                                     | 10    | 3/4   | 3/4   |
| 5                     | 6                                     | 10    | 3/4   | 1     |
| 6                     | 4                                     | 10    | 1     | 1-1/4 |
| 7                     | 4                                     | 8     | 1     | 1-1/4 |
| 8                     | 3                                     | 8     | 1-1/4 | 1-1/4 |
| 9                     | 2                                     | 8     | 1-1/4 | 1-1/4 |
| 10                    | 1                                     | 6     | 1-1/4 | 1-1/2 |
| 11                    | 1                                     | 6     | 1-1/4 | 2     |
| 12                    | 1/0                                   | 6     | 1-1/2 | 2     |
| 13                    | 2/0                                   | 6     | 2     | 2     |
| 14                    | 3/0                                   | 6     | 2     | 2-1/2 |
| 15                    | 4/0                                   | 2     | 2     | 2-1/2 |
| 16                    | 250 KCMIL                             | 2     | 2     | 2-1/2 |
| 17                    | 300 KCMIL                             | 2     | 2     | 2-1/2 |
| 18                    | 350 KCMIL                             | 2     | 2     | 2-1/2 |
| 19                    | 400 KCMIL                             | 1/0   | 2     | 3     |
| 20                    | 500 KCMIL                             | 1/0   | 2-1/2 | 3     |
| 21                    | (2) 4/0                               | (2) 2 | ---   | (2) 2 |
|                       |                                       |       |       |       |





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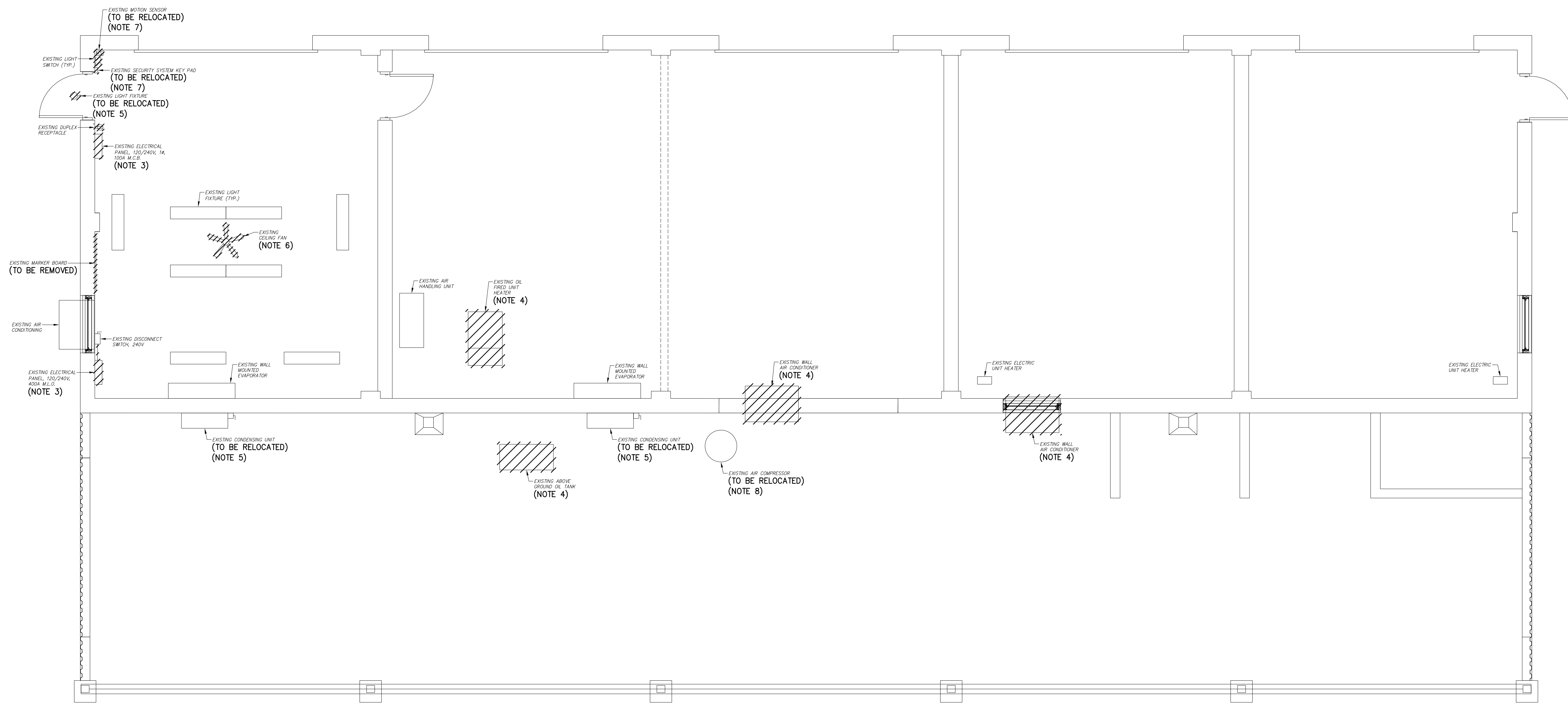
DATE: 08-27-2020  
**BRIAN B. GREGG**  
 NJ PROFESSIONAL ENGINEER LIC. No. 46577

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**ELECTRICAL DEMOLITION FLOOR PLAN**  
 SOUTH JERSEY TRANSPORTATION AUTHORITY  
 STORAGE BUILDING AT ATLANTIC CITY EXPRESSWAY CENTRAL MAINTENANCE  
 ATLANTIC CITY ATLANTIC COUNTY NEW JERSEY

|                        |                         |             |                    |
|------------------------|-------------------------|-------------|--------------------|
| DRAWN BY:<br><b>SM</b> | DESIGN BY:<br><b>SM</b> | CHECKED BY: | SCALE:<br>AS NOTED |
| DATE:<br>04-22-2020    | SHEET No.:              | E-1.1       |                    |
| JOB No.:               | ACEXX780                |             |                    |



**1 ELECTRICAL DEMOLITION FLOOR PLAN**  
 SCALE: 1/4" = 1'-0"

**DEMOLITION NOTES:**

1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING E-1.0 APPLY TO THIS DRAWING.
2. THIS DEMOLITION PLAN HAS BEEN PROVIDED AS A GUIDE. HOWEVER, ALL DEMOLITION REQUIRED TO SUCCESSFULLY COMPLETE THIS PROJECT SHALL BE INCLUDED IN THE SCOPE OF WORK. IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS TO SECURE A COMPLETELY INTERCONNECTED AND FUNCTIONING SYSTEM AND IF ANY WORKMANSHIP OR MATERIALS ARE REQUIRED WHICH ARE OBVIOUSLY NECESSARY TO CARRY OUT THE FULL INTENT AND MEANING OF THE PLANS AND SPECIFICATIONS OR TO BE REASONABLY INFERRED THEREFROM, THE COST OF SUCH WORKMANSHIP OR MATERIALS SHALL BE INCLUDED IN THE SCOPE OF WORK.
3. CONTRACTOR SHALL DEMOLISH EXISTING ELECTRICAL PANEL. CONTRACTOR SHALL RELOCATE THE EXISTING ELECTRICAL CIRCUITS FROM THE EXISTING ELECTRICAL PANEL TO THE NEW ELECTRICAL PANEL 'PP1' LOCATED IN THE GARAGE AREA. PROVIDE AND EXTEND ALL NECESSARY CONDUCTORS, CABLES, RACEWAYS, AND ELECTRICAL DEVICES TO CONNECT TO THE NEW ELECTRICAL PANEL 'PP1'. EXTEND THE 400A FEEDER CIRCUIT FROM THE EXISTING DISCONNECT TO THE NEW ELECTRICAL PANEL 'PP1'.
4. DEMOLISH EXISTING RACEWAY, CONDUCTORS, AND DEVICES BACK TO SOURCE PANEL.
5. EXISTING BRANCH CIRCUIT TO BE REUSED FOR RELOCATED DEVICE.
6. DEMOLISH EXISTING CEILING FAN. DEMOLISH EXISTING RACEWAY, CONDUCTORS, AND DEVICES BACK TO SOURCE PANEL. ANY DEVICES POWERED FROM EXISTING CIRCUIT NOT MARKED FOR DEMOLITION ARE TO REMAIN POWERED.
7. EXISTING CONDUCTORS TO BE REUSED FOR RELOCATED DEVICE.
8. EXISTING BRANCH CIRCUIT TO BE REUSED FOR RELOCATED AIR COMPRESSOR. CONTRACTOR SHALL VERIFY WITH THE OWNER FOR THE EXACT LOCATION OF THE EXISTING AIR COMPRESSOR. CONTRACTOR SHALL EXTEND, REROUTE, OR REPLACE CONDUCTORS, RACEWAYS, AND DEVICES TO THE NEW LOCATION OF THE EXISTING AIR COMPRESSOR, ONCE THE LOCATION HAS BEEN DETERMINED BY THE OWNER.



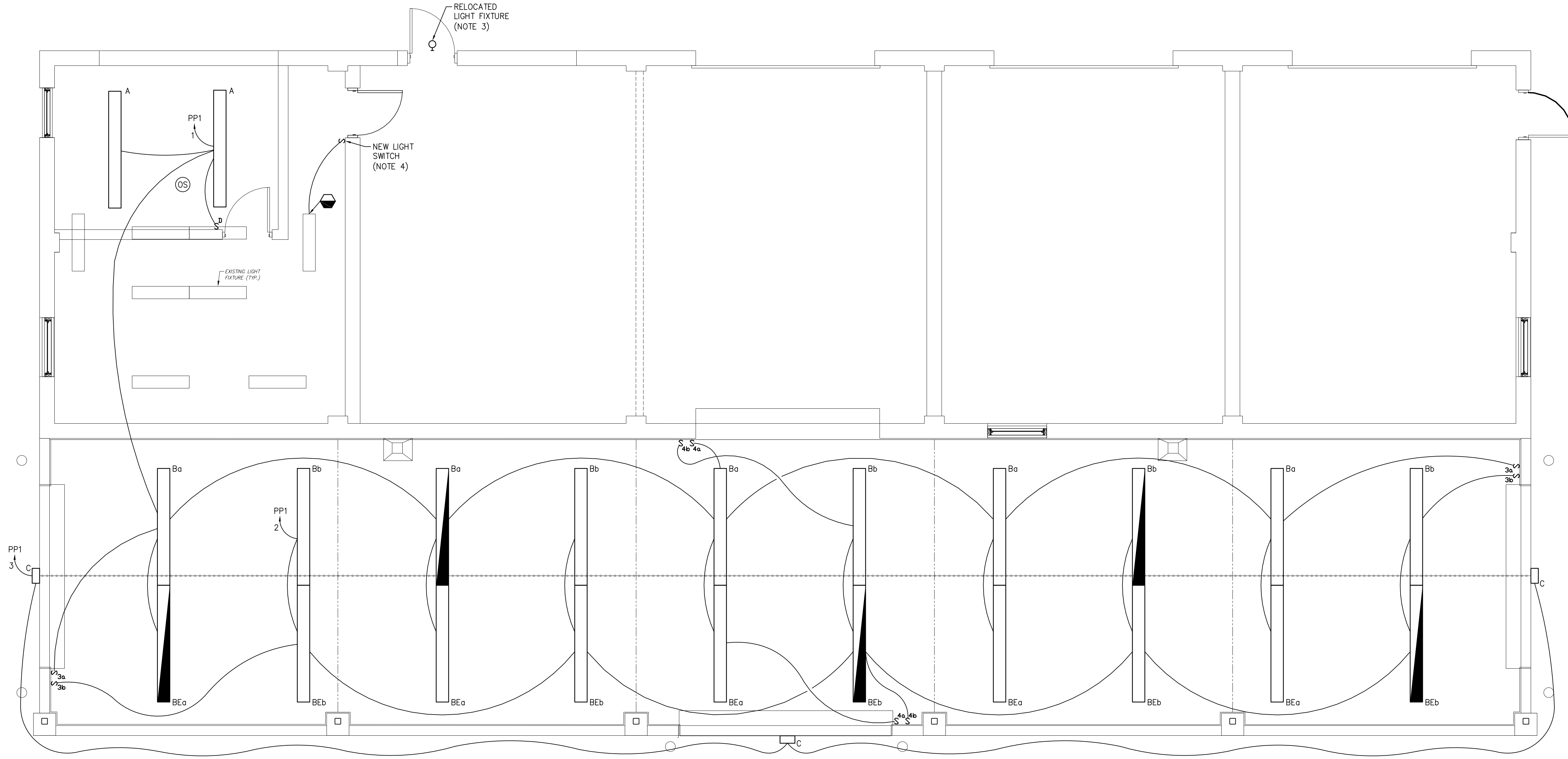


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**1 ELECTRICAL LIGHTING FLOOR PLAN**  
 SCALE: 1/4" = 1'-0"

**NOTES:**

1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING E-1.0 APPLY TO THIS DRAWING.
2. THIS DRAWING IS DIAGRAMMATIC, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM EXISTING SITE CONDITIONS AND INSTALLATION CLEARANCES PRIOR TO SHOP DRAWING SUBMISSIONS AND INSTALLATION. SHOULD THE CONTRACTOR DETERMINE THAT THE INSTALLATION OF ANY ELECTRICAL COMPONENT IS RESTRICTED OR NOT ABLE TO BE INSTALLED IN THE SUGGESTED LOCATION THE CONTRACTOR SHALL READDRESS THE INSTALLATION ACCORDINGLY AND IN COMPLIANCE WITH NEC2017, AT NO ADDITIONAL COST.
3. REROUTE, EXTEND, OR REPLACE EXISTING LIGHT FIXTURE CONDUCTORS AND RACEWAY TO NEW FIXTURE LOCATION.
4. CONTRACTOR SHALL PROVIDE AND INSTALL NEW LIGHT SWITCH. CONNECT NEW LIGHT SWITCH TO EXISTING LIGHT FIXTURES USING (2)#12AWG, (1)#12AWG GROUND IN 3/4" CONDUIT IN SAME ROOM.

**ELECTRICAL LIGHTING FLOOR PLAN**

SOUTH JERSEY TRANSPORTATION AUTHORITY  
 STORAGE BUILDING AT ATLANTIC CITY  
 EXPRESSWAY CENTRAL MAINTENANCE  
 ATLANTIC CITY ATLANTIC COUNTY NEW JERSEY

| DRAWN BY:  | DESIGN BY: | CHECKED BY: | SCALE:   |
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| DATE:      |            | SHEET No.:  |          |
| 04-22-2020 |            | E-2.1       |          |
| JOB No.:   |            |             |          |
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