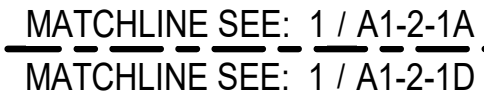


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SUBJECT TO CHANGE.



114' - 4"

----- MATCHLINE SEE: 1 / A1-2-1B
MATCHLINE SEE: 1 / A1-2-1C

Drummeys Rosane Anderson, Inc.

| | |
|-------------------|--------------------|
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| Studio 205 | Studio 300 |
| South Windsor, CT | Waltham, MA |
| 06074 | 02453 |

Planning | Architecture | Interior Design

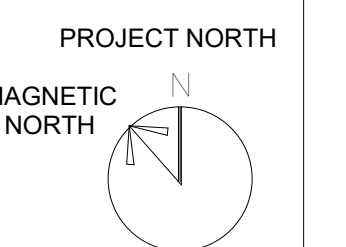
Tel: 860.644.8300
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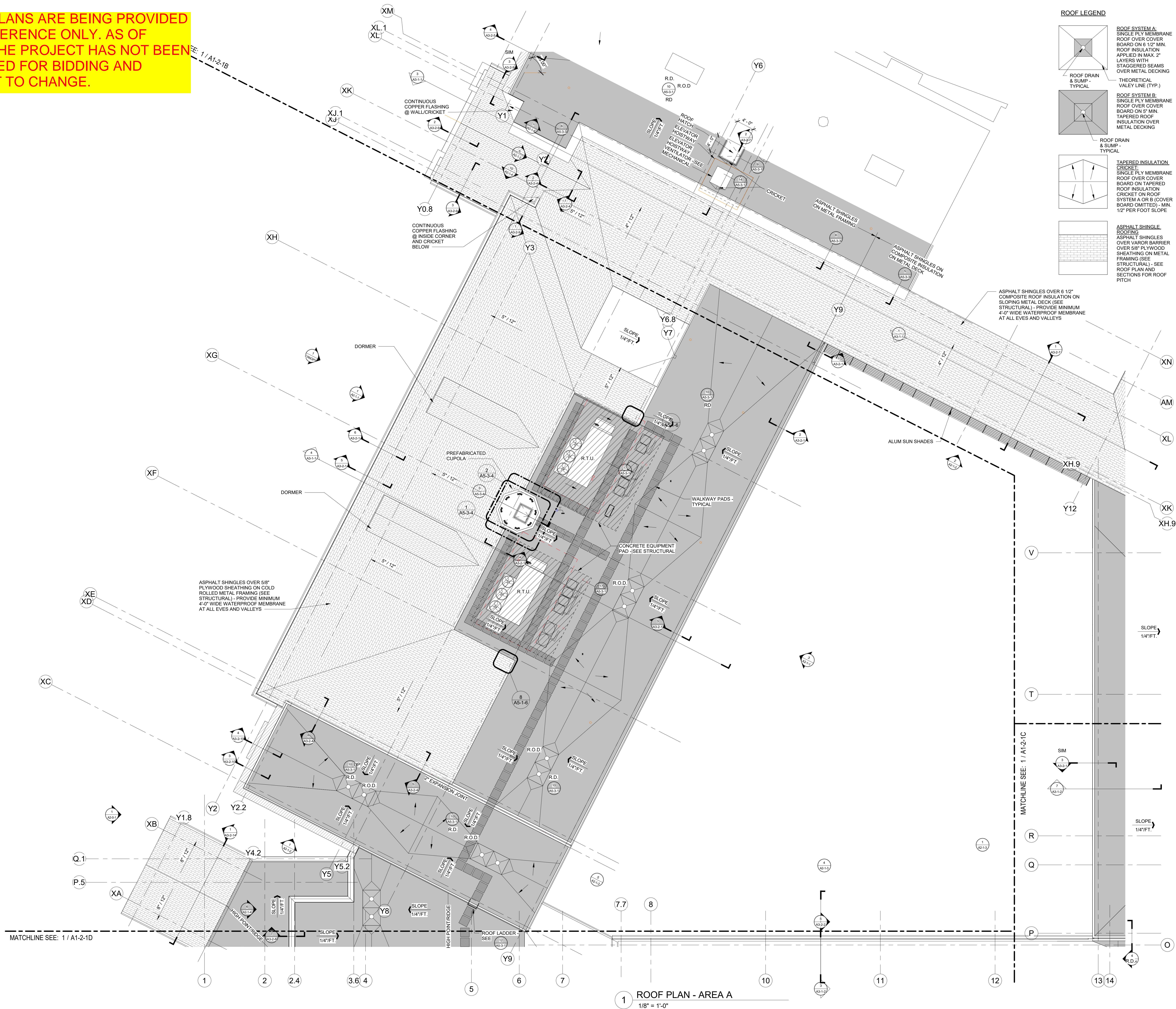
07/30/2021



Scale: 1/16" = 1'-0"
Job No.: 20208.00
Drawn By: DRA
Date: 07/30/2021

A1-0-3

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ROOF LEGEND

ROOF SYSTEM A:
SINGLE PLY MEMBRANE
ROOF OVER COVER BOARD ON 6\"/>

ROOF SYSTEM B:
SINGLE PLY MEMBRANE
ROOF OVER COVER BOARD ON 5\"/>

TAPERED INSULATION CRICKET:
SINGLE PLY MEMBRANE
ROOF OVER COVER BOARD ON TAPERED ROOF INSULATION CRICKET ON ROOF SYSTEM A OR B (COVER BOARD OMITTED) - MIN. 1/2\"/>

ASPHALT SHINGLE ROOFING:
ASPHALT SHINGLES OVER VAPOR BARRIER OVER 5/8\"/>

DRA

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Pleasant Valley
Elementary School

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STATE PROJECT NO: 132-0093N

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KEY PLAN

PROJECT NORTH

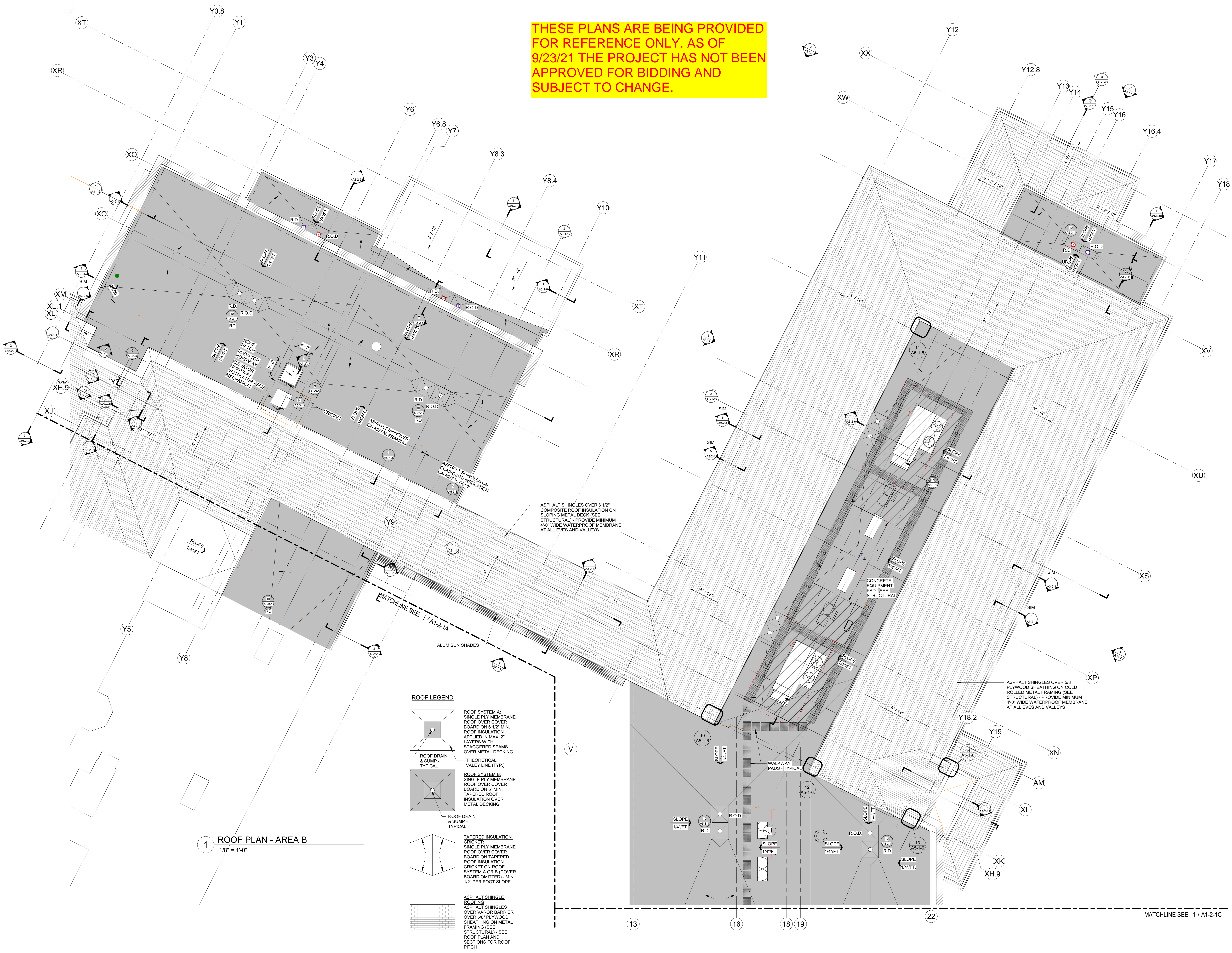
MAGNETIC NORTH

ROOF PLAN - AREA A

Scale: 1/8" = 1'-0"
Job No.: 20208.00
Drawn By: DRA
Date: 07/30/2021

A1-2-1A

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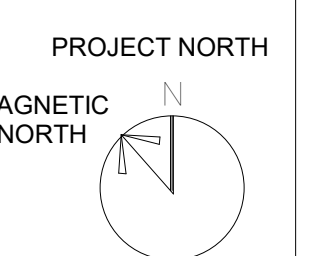
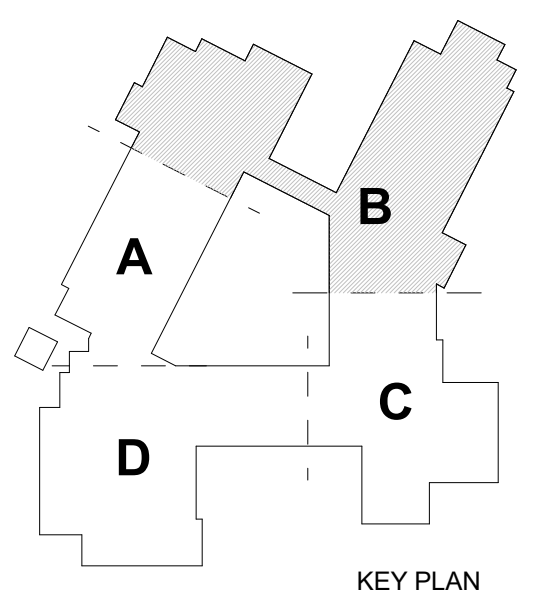
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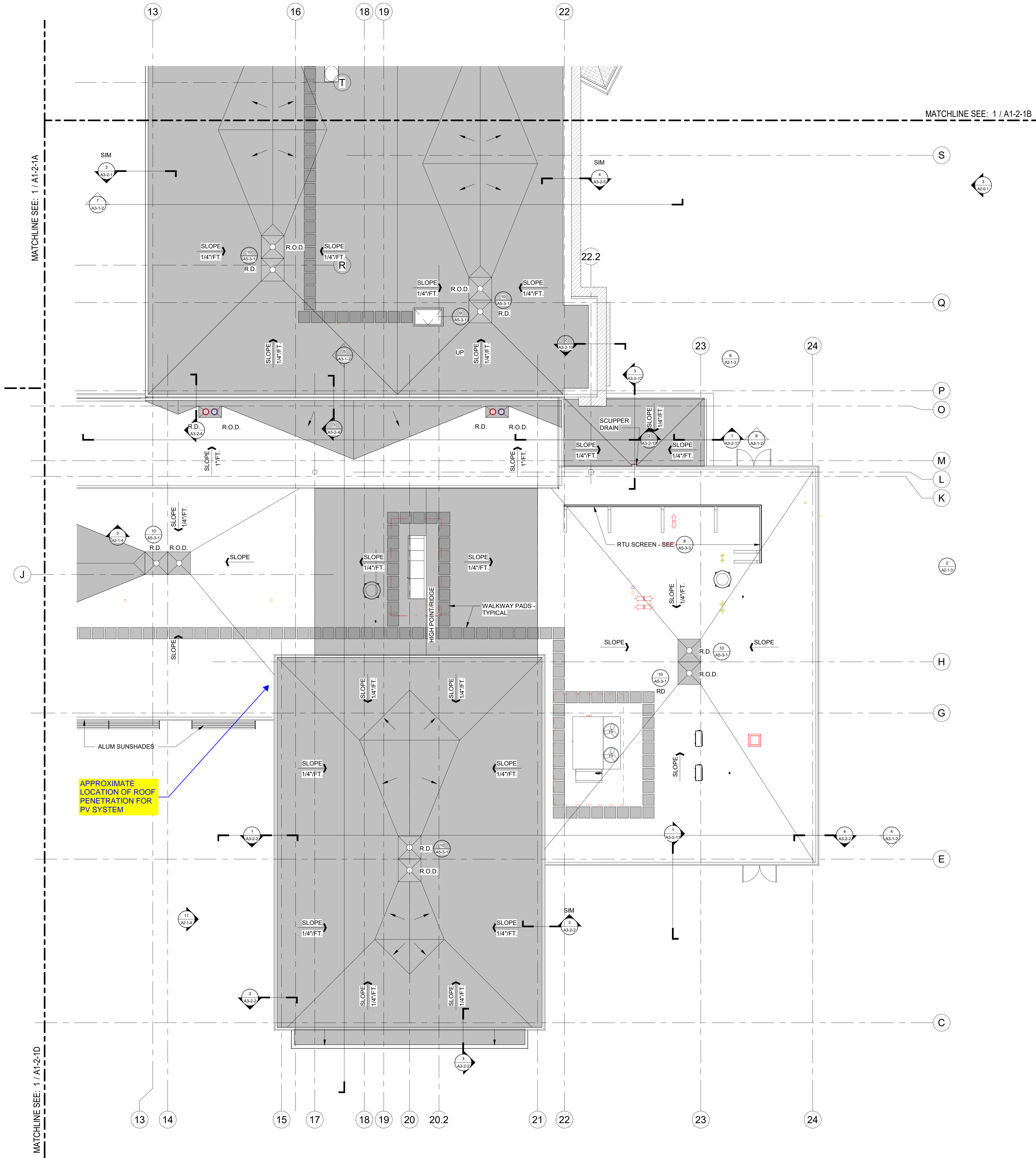


ROOF PLAN -
AREA B

Scale: 1/8" = 1'-0"
Job No.: 20208.00
Drawn By: DRA
Date: 07/30/2021

A1-2-1B

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ROOF LEGEND

ROOF SYSTEM A:
SINGLE PLY MEMBRANE
ROOF OVER COVER
BOARD ON 6 1/2" MIN.
ROOF INSULATION
APPLIED IN MAX. 2"
LAYERS WITH
STAGGERED SEAMS
OVER METAL DECKING

ROOF SYSTEM B:
SINGLE PLY MEMBRANE
ROOF OVER COVER
BOARD ON 5" MIN.
TAPERED ROOF
INSULATION OVER
METAL DECKING

TAPERED INSULATION CRICKET:
SINGLE PLY MEMBRANE
ROOF OVER COVER
BOARD ON TAPERED
ROOF INSULATION
CRICKET ON ROOF
SYSTEM A OR B (COVER
BOARD OMITTED) - MIN.
1/2" PER FOOT SLOPE

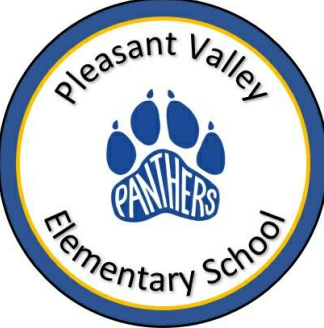
ASPHALT SHINGLE ROOFING:
ASPHALT SHINGLES
OVER VAROR BARRIER
OVER 5/8" PLYWOOD
SHEATHING ON METAL
FRAMING (SEE
STRUCTURAL) - SEE
ROOF PLAN AND
SECTIONS FOR ROOF
PITCH

1 ROOF PLAN - AREA C
1/8" = 1'-0"

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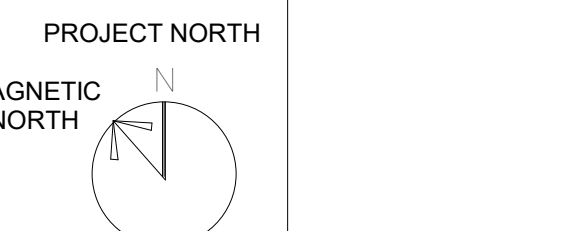
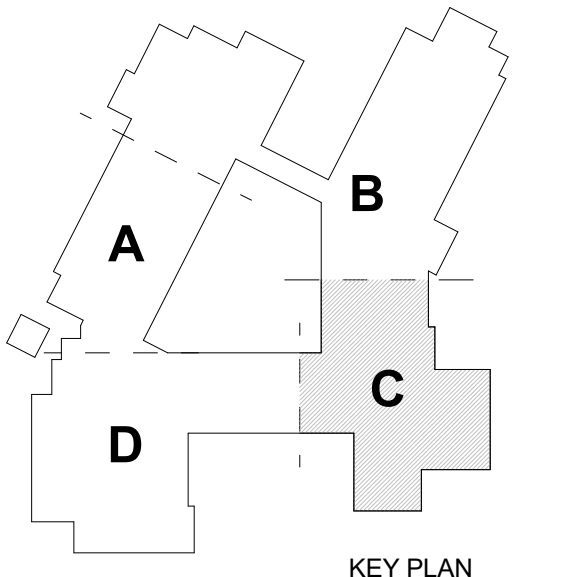


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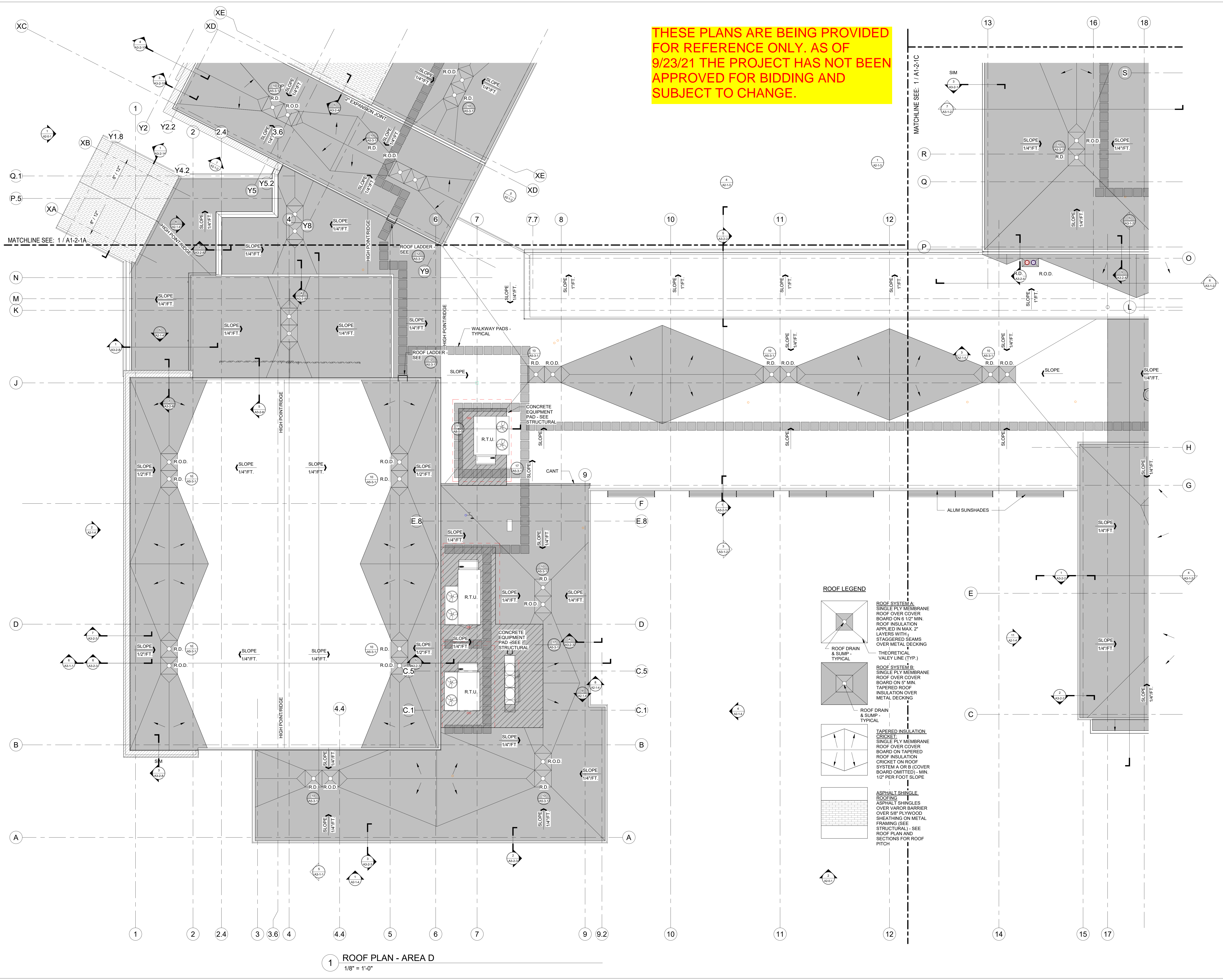
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ROOF PLAN -
AREA C

Scale: 1/8" = 1'-0"
Job No.: 20208.00
Drawn By: DRA
Date: 07/30/2021

A1-2-1C

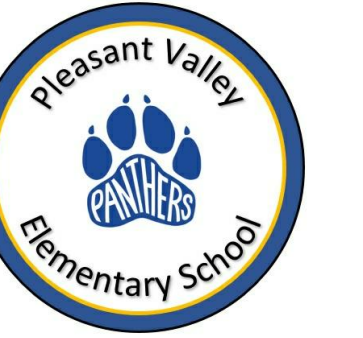


1 ROOF PLAN - AREA D
1/8" = 1'-0"

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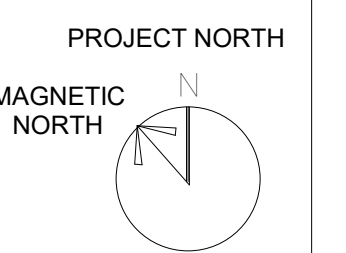
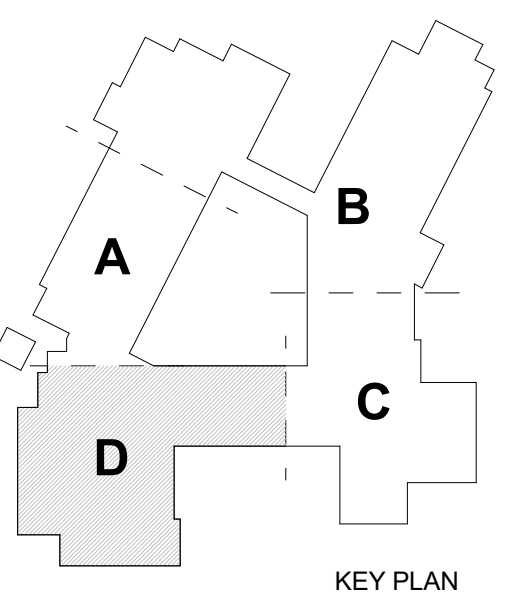
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ROOF PLAN -
AREA D

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Job No.: 20208.00
Drawn By: DRA
Date: 07/30/2021

A1-2-1D

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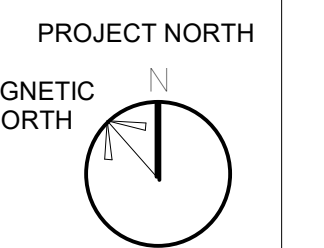
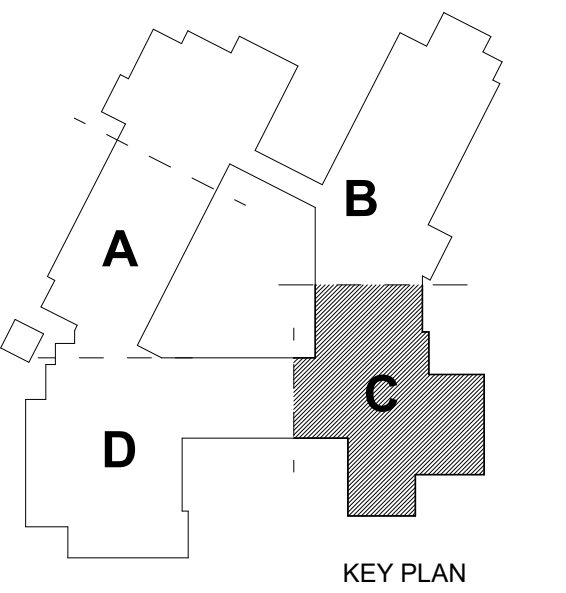
591 Ellington Road
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Consulting Engineering
Services, Inc.
811 Middle Street
Middletown CT 06457
860.632.1682
ces@eng.com
CES #2020224

STATE PROJECT NO: 132-0093N

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ELECTRICAL
POWER FIRST
FLOOR PLAN -
AREA C

Scale: As indicated
Job No.: 20208.00
Drawn By: DRA
Date: 07/30/2021

EP1-1-1C

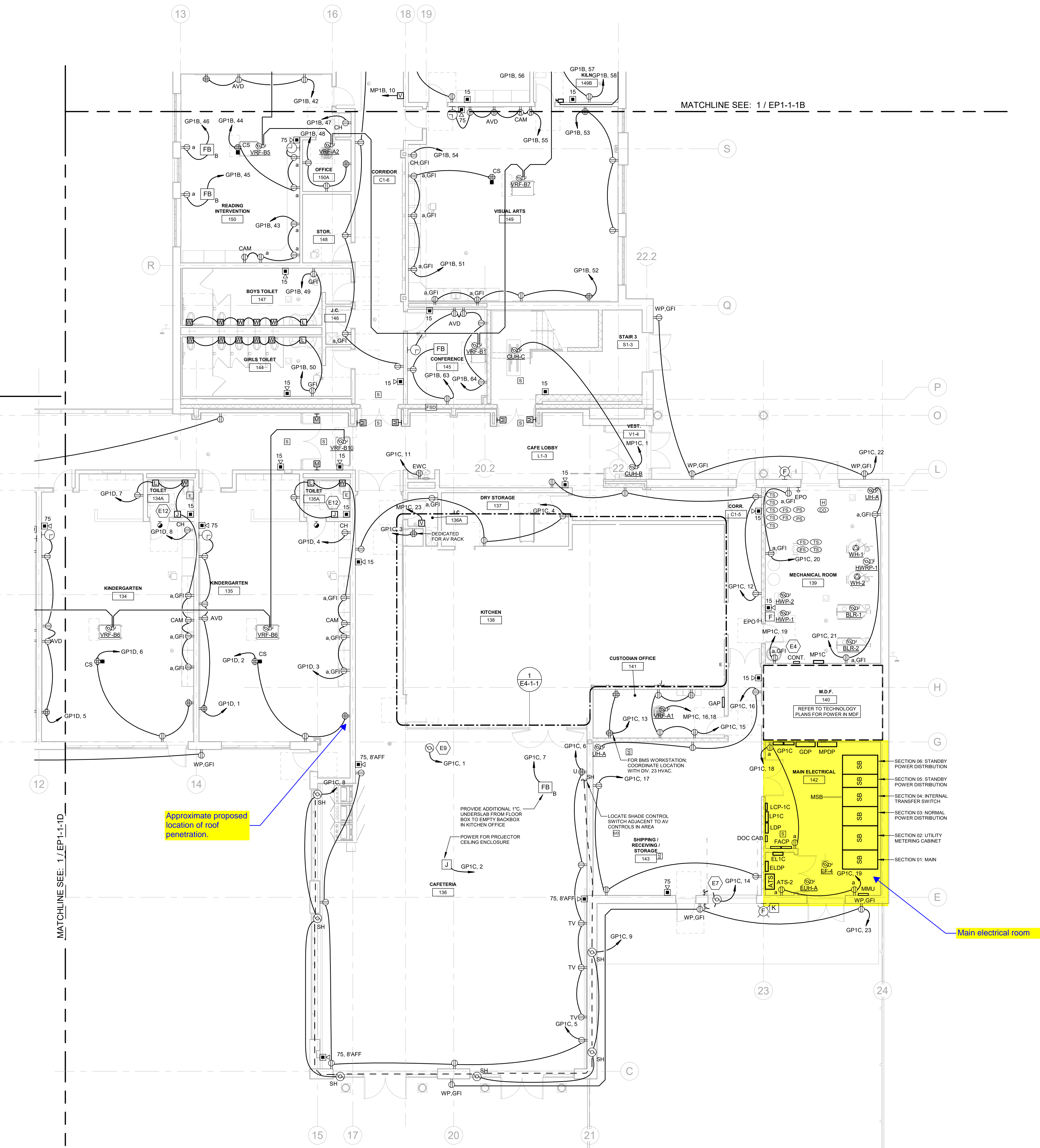
ELECTRICAL REFERENCE NOTE

1. REFER TO DRAWING E0-1-1 FOR ELECTRICAL GENERAL NOTES, ABBREVIATIONS, LEGENDS AND SYMBOLS LIST.

ELECTRICAL KEY NOTES

- E1 PROVIDE 20A-1P POWER FEED TO AUTOMATIC DOOR OPENER. REFER TO T-SERIES ACCESS CONTROL DOOR DETAILS FOR ADDITIONAL LOW VOLTAGE INTERCONNECTIONS REQUIRED.
- E2 PROVIDE ELEVATOR DISCONNECT SWITCH AND ASSOCIATED FIRE ALARM CONTROL & MONITOR MODULES. PER ELEVATOR DISCONNECT SWITCH DETAIL.
- E3 POWERED GYMNASIUM EQUIPMENT. ELECTRICAL CONTRACTOR SHALL PROVIDE POWER AND CONTROL WIRING TO EQUIPMENT AS INDICATED ON GYMNASIUM EQUIPMENT WIRING DETAIL. REFER TO FIRST FLOOR PLAN FOR LOCATION OF ASSOCIATED KEY SWITCHES.
- E4 CONTRACTOR FOR BOILER ROOM EPO SHUT-OFF SYSTEM OF GAS-FIRED APPLIANCES. REFER TO EPO DETAIL FOR ADDITIONAL INFORMATION. REFER TO MOTOR/ EQUIPMENT CIRCUIT SCHEDULE FOR EQUIPMENT TO BE SHUT OFF.
- E5 PROVIDE (2) 1" C. FROM ABOVE CEILING IN THIS LOCATION TO ROOF LEVEL FOR OWNER PROVIDED WALKIE-TALKIE SYSTEM ANTENNA. REFER TO ROOF PLAN FOR FUTURE ANTENNA LOCATION.
- E6 PROVIDE NEMA 15-50R RECEPTACLE FOR KILN. WIRE TO 60A-3P DISC. SWITCH AT ENTRANCE TO ROOM FOR SAFETY SHUT-OFF. POWER VIA 3/8"X11/16", 3/4" C. TO 50A-3P BREAKER IN PANELBOARD.
- E7 PROVIDE 20A-1P POWER FEED TO OVERHEAD COILING DOOR. PROVIDE 1" C. WITH WIRING PER MFR. REQUIREMENTS FROM MOTOR TO CONTROL SWITCHES AS SHOWN ON PLANS. SWITCHES SHALL BE FURNISHED BY HARDWARE CONTRACTOR, INSTALLED BY EC.
- E8 PROVIDE 208V-20A-3PH POWER FEED TO TELESCOPING STAND MOTOR WITH PENDANT CONTROLLER. PROVIDE 30A-3P DISCONNECT SWITCH ON SIDE OF STAND AND MAKE FINAL CONNECTIONS TO STAND. COORDINATE EXACT POINT OF CONNECTION WITH STAND INSTALLER PRIOR TO ROUGH-IN.
- E9 PROVIDE 20A-1P POWER FEED TO DROP-DOWN PROJECTION SCREEN. PROVIDE CONTROL WIRING FROM SCREEN TO AV/SOUND SYSTEM IN ROOM PER TECHNOLOGY DETAILS.
- E10 PROVIDE 20A-1P POWER FEED TO PROSCENIUM VERTICAL FOLDING PARTITION. PROVIDE 1" C. WITH WIRING PER MFR. REQUIREMENTS FROM MOTOR TO CONTROL SWITCHES AS SHOWN ON PLANS. SWITCHES SHALL BE FURNISHED BY HARDWARE CONTRACTOR, INSTALLED BY EC.
- E11 POWERED CEILING FAN. ELECTRICAL CONTRACTOR SHALL PROVIDE POWER AND CONTROL WIRING TO FAN CONTROL PANEL. REFER TO FIRST FLOOR PLAN FOR LOCATION OF CONTROL PANEL.
- E12 POWER FOR RADIANT FLOOR MANIFOLDS. COORDINATE EXACT LOCATION WITH SUPPLIED EQUIPMENT.

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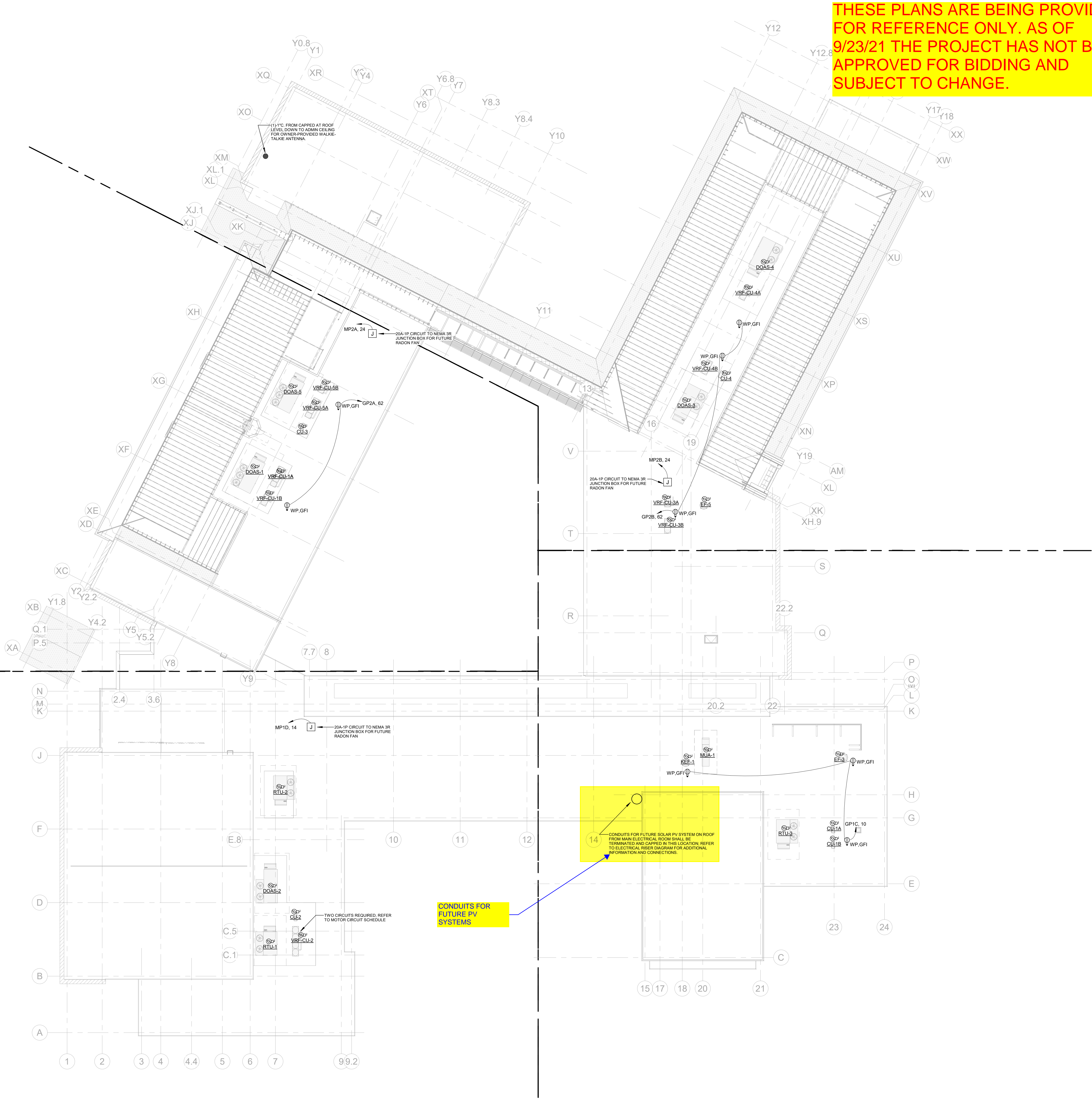


1 ELECTRICAL POWER FIRST FLOOR PLAN - AREA C
1/8" = 1'-0"

| ELECTRICAL REFERENCE NOTE | |
|---------------------------|--|
| 1. | REFER TO DRAWING E0-1-1 FOR ELECTRICAL GENERAL NOTES, ABBREVIATIONS, LEGENDS AND SYMBOLS LIST. |

| ELECTRICAL KEY NOTES | |
|----------------------|---|
| E1 | PROVIDE 20A-1P POWER FEED TO AUTOMATIC DOOR OPENER. REFER TO T-SERIES ACCESS CONTROL DOOR DETAILS FOR ADDITIONAL LOW VOLTAGE INTERCONNECTIONS REQUIRED. |
| E2 | PROVIDE ELEVATOR DISCONNECT SWITCH AND ASSOCIATED FIRE ALARM CONTROL & MONITOR MODULES. PER ELEVATOR DISCONNECT SWITCH DETAIL. |
| E3 | POWERED GYMNASIUM EQUIPMENT. ELECTRICAL CONTRACTOR SHALL PROVIDE POWER AND CONTROL WIRING TO EQUIPMENT AS INDICATED ON GYMNASIUM EQUIPMENT WIRING DETAIL. REFER TO FIRST FLOOR PLAN FOR LOCATION OF ASSOCIATED KEY SWITCHES. |
| E4 | CONTACTOR FOR BOILER ROOM EP/SHUTOFF SYSTEM OF GAS-FIRED APPLIANCES. REFER TO EP/2 DETAIL FOR ADDITIONAL INFORMATION. REFER TO MOTOR EQUIPMENT CIRCUIT SCHEDULE FOR EQUIPMENT TO BE SHUT OFF. |
| E5 | PROVIDE (2) 1" C. FROM ABOVE CEILING IN THIS LOCATION TO ROOF LEVEL FOR OWNER PROVIDED WALKIE-TALKIE SYSTEM ANTENNA. REFER TO ROOF PLAN FOR FUTURE ANTENNA LOCATION. |
| E6 | PROVIDE NEMA 15-50R RECEPTACLE FOR KLN. WIRE TO 60A-3P DISC. SWITCH AT ENTRANCE TO ROOM FOR SAFETY SHUTOFF. POWER VIA 385-1410G, 3/4" C. TO 30A-3P BREAKER IN PANELBOARD. |
| E7 | PROVIDE 20A-1P POWER FEED TO OVERHEAD COLING DOOR. PROVIDE 1" C. WITH WIRING PER MFR. REQUIREMENTS FROM MOTOR TO CONTROL SWITCHES AS SHOWN ON PLANS. SWITCHES SHALL BE FURNISHED BY HARDWARE CONTRACTOR, INSTALLED BY EC. |
| E8 | PROVIDE 208V-20A-3PH POWER FEED TO TELESCOPING STAND MOTOR WITH PENDANT CONTROLLER. PROVIDE 30A-3P DISCONNECT SWITCH ON SIDE OF STAND AND MAKE FINAL CONNECTIONS TO STAND. COORDINATE EXACT POINT OF CONNECTION WITH STAND INSTALLER PRIOR TO ROUGH-IN. |
| E9 | PROVIDE 20A-1P POWER FEED TO DROP-DOWN PROJECTION SCREEN. PROVIDE CONTROL WIRING FROM SCREEN TO AV/SOUND SYSTEM IN ROOM PER TECHNOLOGY DETAILS. |
| E10 | PROVIDE 20A-1P POWER FEED TO PROSCENIUM VERTICAL FOLDING PARTITION. PROVIDE 1" C. WITH WIRING PER MFR. REQUIREMENTS FROM MOTOR TO CONTROL SWITCHES AS SHOWN ON PLANS. SWITCHES SHALL BE FURNISHED BY HARDWARE CONTRACTOR, INSTALLED BY EC. |
| E11 | POWERED CEILING FAN. ELECTRICAL CONTRACTOR SHALL PROVIDE POWER AND CONTROL WIRING TO FAN CONTROL PANEL. REFER TO FIRST FLOOR PLAN FOR LOCATION OF CONTROL PANEL. |
| E12 | POWER FOR RADIANT FLOOR MANIFOLDS, COORDINATE EXACT LOCATION WITH SUPPLIED EQUIPMENT. |

| LIGHTNING PROTECTION SYSTEM PRICE AS ADD-ALTERNATE | |
|---|--|
| 1. | ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDE A COMPLETE LIGHTNING PROTECTION SYSTEM FOR THE BUILDING. PROVIDE A COMPLETE UL MASTER LABEL LIGHTNING PROTECTION SYSTEM INCLUDING BUT NOT LIMITED TO ALL AREAS OF THE ROOF, THE ROOF PERIMETER, HVAC EQUIPMENT AND OTHER EQUIPMENT. INCLUDE GROUND RING AROUND THE BASE OF THE BUILDING PER SECTION 26 0525 (GROUNDING AND BONDING). COORDINATE LOCATION OF ALL LIGHTNING PROTECTION EQUIPMENT AND MEANS OF INSTALLATION WITH ROOFING CONTRACTOR PRIOR TO ROUGH-IN. SYSTEM SHALL BE IN ACCORDANCE WITH SECTION 26 4113 (LIGHTNING PROTECTION FOR STRUCTURES). |
| 2. | DOWNLEADS FROM ROOF TO GRADE SHALL BE ROUTED WITHIN THE BUILDING ENVELOPE. EXPOSED DOWNLEADS ROUTED ON THE SIDE OF THE BUILDING EXTERIOR ARE NOT ACCEPTABLE. DOWNLEADS SHALL BE ROUTED IN CONDUIT WITHIN BUILDING, AND SHALL BE CONCEALED IN WALLS OR EMBEDDED IN CONCRETE DEPENDING ON WALL TYPE. EXPOSED CONDUIT IN BUILDING IS NOT ACCEPTABLE. |



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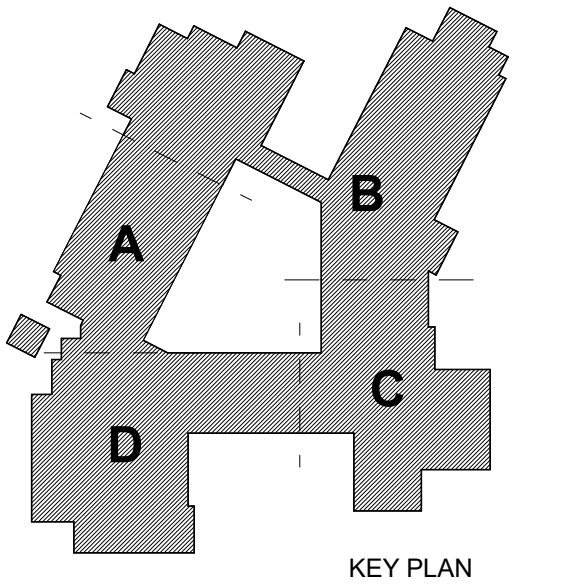
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STATE PROJECT NO: 132-0093N

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07/30/2021



ELECTRICAL
POWER ROOF
PLAN

Scale: As indicated
Job No.: 20208.00
Drawn By: DRA
Date: 07/30/2021

EP1-2-1

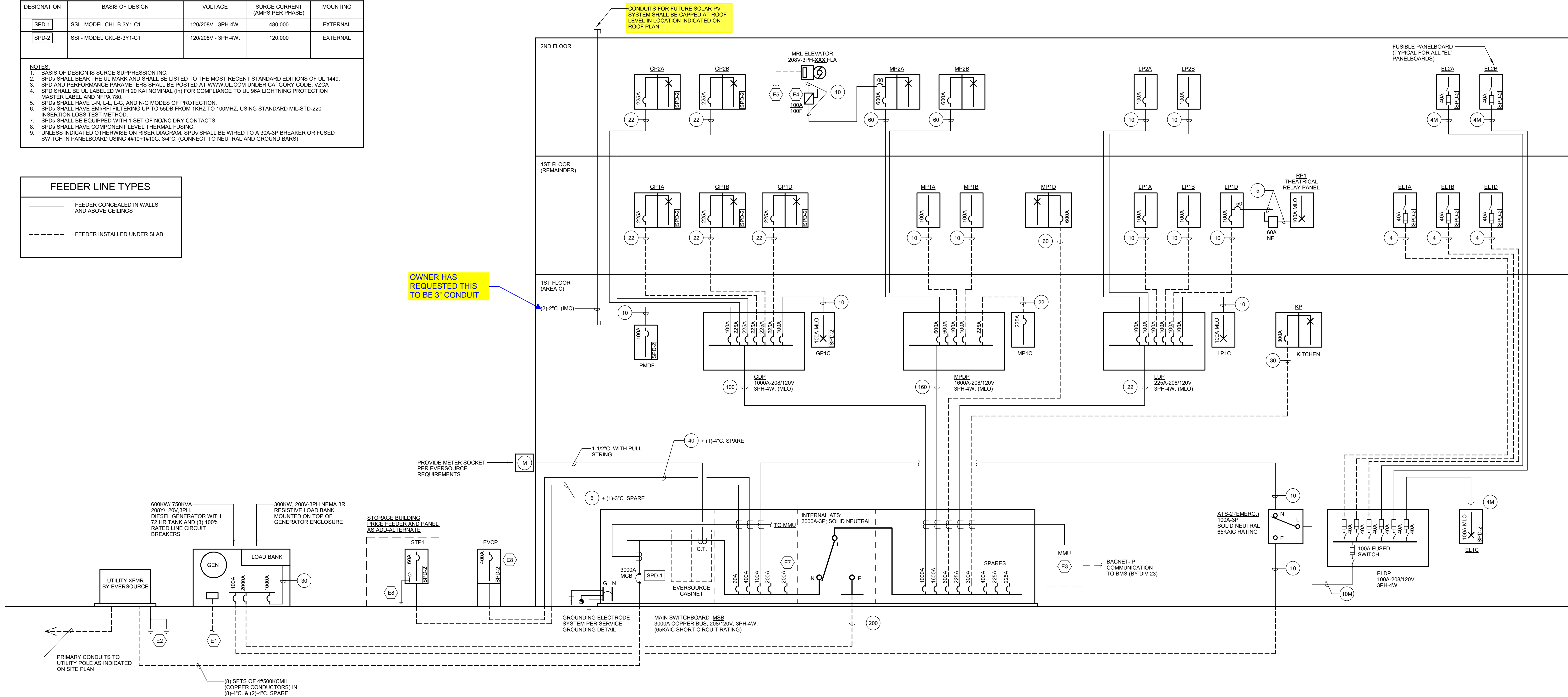
| ELECTRICAL FEEDER SCHEDULE | | | | | | | |
|----------------------------|-----------------------------------|--------------|---------------------------------------|--------------|---------------------------------------|--------------|--------------------|
| ALUMINUM CONDUCTORS | | | | | | | |
| CIRCUIT SYMBOL | CONDUCTORS (1 PH. 2W) WITH GROUND | CONDUIT SIZE | CONDUCTORS (3 PH. 3 WIRE) WITH GROUND | CONDUIT SIZE | CONDUCTORS (3 PH. 4 WIRE) WITH GROUND | CONDUIT SIZE | OVERCURRENT RATING |
| (1) | 2#12 & 1#12G | 3/4" | 2#12 & 1#12G | 3/4" | 4#12 & 1#12G | 3/4" | 15A |
| (2) | 2#12 & 1#12G | 3/4" | 2#12 & 1#12G | 3/4" | 4#12 & 1#12G | 3/4" | 20A |
| (2.5) | 2#10 & 1#10G | 3/4" | 3#10 & 1#10G | 3/4" | 4#10 & 1#10G | 3/4" | 25A |
| (3) | 2#10 & 1#10G | 3/4" | 3#10 & 1#10G | 3/4" | 4#10 & 1#10G | 3/4" | 30A |
| (3.5) | 2#8 & 1#8G | 3/4" | 3#8 & 1#8G | 3/4" | 4#8 & 1#8G | 3/4" | 35A |
| (4) | 2#8 & 1#8G | 3/4" | 3#8 & 1#8G | 3/4" | 4#8 & 1#8G | 1" | 40A |
| (4M) | | | | | PENTAIR #418-590 M.I. CABLE | | |
| (4.5) | 2#6 & 1#6G | 1" | 3#6 & 1#6G | 1" | 4#6 & 1#6G | 1" | 45A |
| (5) | 2#6 & 1#6G | 1" | 3#6 & 1#6G | 1" | 4#6 & 1#6G | 1" | 50A |
| (6) | 2#4 & 1#4G | 1 1/4" | 3#4 & 1#4G | 1 1/4" | 4#4 & 1#6G | 1 1/4" | 60A |
| (7) | 2#3 & 1#6G | 1 1/4" | 3#3 & 1#6G | 1 1/4" | 4#3 & 1#6G | 1 1/4" | 70A |
| (8) | 2#2 & 1#6G | 1 1/4" | 3#2 & 1#6G | 1 1/4" | 4#2 & 1#6G | 1 1/2" | 80A |
| (9) | 2#2 & 1#6G | 1 1/4" | 3#2 & 1#6G | 1 1/4" | 4#2 & 1#6G | 1 1/2" | 90A |
| (10) | 2#1 & 1#6G | 1 1/2" | 3#1 & 1#6G | 1 1/2" | 4#1 & 1#6G | 2" | 100A |
| (10M) | | | | | QTY-4 PENTAIR #114-452 M.I. CABLE | | |
| (11) | | | 3#10 & 1#4G | 2" | 4#10 & 1#4G | 2" | 110A |
| (12) | | | 3#10 & 1#4G | 2" | 4#10 & 1#4G | 2" | 125A |
| (15) | | | 3#3/0 & 1#4G | 2 1/2" | 4#3/0 & 1#4G | 2 1/2" | 150A |
| (17) | | | 3#4/0 & 1#4G | 2 1/2" | 4#4/0 & 1#4G | 2 1/2" | 175A |
| (20) | | | 3#250KCMIL & 1#4G | 3" | 4#250KCMIL & 1#4G | 3" | 200A |
| (22) | | | 3#350KCMIL & 1#2G | 3" | 4#350KCMIL & 1#2G | 4" | 225A |
| (25) | | | 3#350KCMIL & 1#2G | 3" | 4#350KCMIL & 1#2G | 4" | 250A |
| (30) | | | 3#500KCMIL & 1#2G | 4" | 4#500KCMIL & 1#2G | 4" | 300A |
| (35) | | | (2)3#4/0 & 1#1G | (2) 2 1/2" | 2 SETS OF 4#4/0 & 1#1G | (2) 2 1/2" | 350A |
| (40) | | | (2)3#250KCMIL & 1#1G | (2) 3" | 2 SETS OF 4#250KCMIL & 1#1G | (2) 3" | 400A |
| (45) | | | (2)3#350KCMIL & 1#1/0G | (2) 3" | 2 SETS OF 4#350KCMIL & 1#1/0G | (2) 4" | 450A |
| (50) | | | (2)3#350KCMIL & 1#1/0G | (2) 3" | 2 SETS OF 4#350KCMIL & 1#1/0G | (2) 4" | 500A |
| (60) | | | (2)3#500KCMIL & 1#2/0G | (2) 4" | 2 SETS OF 4#500KCMIL & 1#2/0G | (2) 4" | 600A |
| (70) | | | (3)3#500KCMIL & 1#2/0G | (3) 3" | 3 SETS OF 4#500KCMIL & 1#2/0G | (3) 4" | 700A |
| (80) | | | (3)3#500KCMIL & 1#3/0G | (3) 4" | 3 SETS OF 4#500KCMIL & 1#3/0G | (3) 4" | 800A |
| (90) | | | (3)3#500KCMIL & 1#4/0G | (3) 4" | 3 SETS OF 4#500KCMIL & 1#4/0G | (3) 4" | 900A |
| (100) | | | (4)3#500KCMIL & 1#4/0G | (4) 3" | 4 SETS OF 4#500KCMIL & 1#4/0G | (4) 4" | 1000A |
| (120) | | | (4)3#500KCMIL & 1#2/0G | (4) 4" | 4 SETS OF 4#500KCMIL & 1#2/0G | (4) 4" | 1200A |
| (160) | | | (5)3#500KCMIL & 1#3/0G | (5) 4" | 5 SETS OF 4#500KCMIL & 1#3/0G | (5) 4" | 1600A |
| (200) | | | (6)3#600KCMIL & 1#4/0G | (6) 4" | 6 SETS OF 4#600KCMIL & 1#4/0G | (6) 4" | 2000A |
| (250) | | | (8)3#600KCMIL & 1#6/0G | (8) 4" | 8 SETS OF 4#600KCMIL & 1#6/0G | (8) 4" | 2500A |

NOTES:

- CONDUIT SIZES ARE BASED ON THE NEC ANNEX C TABLES FOR EMT/CHG WITH THIRTYTHW CONDUCTORS. CONDUCTOR SIZES USED IN CONDUIT CALCULATION ARE BASED ON THE SIZE OF THE HOT CONDUCTORS OF CIRCUIT. EXAMPLE: 40A 3PH, 4W CONDUIT SIZE IS BASED ON 4#4 + 1#6G + 1#6 SPACE. FOR ACTUAL WIRE INSTALL USE QUANTITY AND SIZES WITHIN SCHEDULE.
- UNLESS OTHERWISE INDICATED, CONDUCTOR SIZING SHALL MATCH THE SIZE INDICATED ABOVE FOR THE APPLICABLE OVERCURRENT DEVICE. PROVIDE LARGER CONDUIT WHERE INDICATED.
- PROVIDE MINIMUM SIZE CONDUIT INDICATED IN THE SPECIFICATIONS OR ON THE DRAWINGS.
- FOR SINGLE PHASE FEEDERS, PROVIDE A 3-WIRE CIRCUIT UNLESS DEVICE SERVED DOES NOT HAVE PROVISIONS FOR A NEUTRAL. FOR THREE PHASE FEEDERS, PROVIDE 4-WIRE CIRCUIT UNLESS DEVICE SERVED DOES NOT HAVE PROVISIONS FOR A NEUTRAL.
- PROVIDE TYPE OF RACEWAY OR CABLE AS INDICATED IN THE SPECIFICATIONS OR ON THE DRAWINGS.
- REFER TO PANELBOARD SCHEDULES AND ONE-LINE RISER DIAGRAM DRAWINGS FOR CONDUCTOR AND CONDUIT SIZE REQUIREMENTS.
- ALL CONDUCTOR SIZES ARE BASED ON 75°C (167°F). ALL EQUIPMENT CONNECT

| SURGE PROTECTIVE DEVICE (SPD) SCHEDULE | | | | |
|---|--------------------------|-------------------|-----------------------------------|----------|
| DESIGNATION | BASIS OF DESIGN | VOLTAGE | SURGE CURRENT (AMPS PER PHASE) | MOUNTING |
| SPD-1 | SSI - MODEL CML-B-3Y1-C1 | 120/208V - 3PH-4W | 480,000 | EXTERNAL |
| SPD-2 | SSI - MODEL CML-B-3Y1-C1 | 120/208V - 3PH-4W | 120,000 | EXTERNAL |
| NOTES: 1. BASIS OF DESIGN IS SURGE SUPPRESSION INC. 2. SPDs SHALL BEAR THE UL MARK AND SHALL BE LISTED TO THE MOST RECENT STANDARD EDITIONS OF UL 1449. 3. SPD SHALL BE UL LABELED WITH 20 KA NOMINAL (IN) FOR COMPLIANCE TO UL 96A LIGHTNING PROTECTION MASTER LABEL AND NFPA 790. 4. SPDs SHALL HAVE L-N, L-G, AND N-G MODES OF PROTECTION. 5. SPDs SHALL HAVE EMWIR/FILTERING UP TO 550MHz FROM 1KHz TO 100MHz, USING STANDARD MIL-STD-220 INSERTION LOSS TEST METHOD. 6. SPDs SHALL BE EQUIPPED WITH 1 SET OF NON-DC DRY CONTACTS. 7. SPDs SHALL HAVE COMPONENT LEVEL THERMAL FUSING. 8. UNLESS INDICATED OTHERWISE ON RISER DIAGRAM, SPDs SHALL BE WIRED TO A 30A-3P BREAKER OR FUSED SWITCH IN PANELBOARD USING 410-1F10G, 3/4" (CONNECT TO NEUTRAL AND GROUND BARS) | | | | |

| FEEDER LINE TYPES | |
|-------------------|---|
| ————— | FEEDER CONCEALED IN WALLS AND ABOVE CEILINGS |
| ----- | FEEDER INSTALLED UNDER SLAB |



ELECTRICAL RISER DIAGRAM KEY NOTES

- | | |
|----|---|
| E1 | <p>PROVIDE THE FOLLOWING GENERATOR AUXILIARY CONNECTIONS: ALL UNDERGROUND IN TRENCH:</p> <ul style="list-style-type: none"> * 20A-IP CIRCUIT FOR BATTERY CHARGER, 242V-1H/2G, 34°C; TO BREAKER IN PANEL OPTC * 20A-IP CIRCUIT FOR BATTERY CHARGER, 242V-1H/2G, 34°C; TO BREAKER IN PANEL OPTC * 1" WITH WIRING PER MFR REQUIREMENTS TO MSB INTERNAL ATS FOR START CIRCUIT. * 1" WITH WIRING PER MFR REQUIREMENTS TO MSB INTERNAL ATS FOR START CIRCUIT. * 1" WITH WIRING PER MFR REQUIREMENTS TO REMOTE EOP PUSHBUTTON (REFER TO FLOOR PLAN FOR LOCATION) * 1" WITH WIRING PER MFR REQUIREMENTS TO REMOTE EOP PUSHBUTTON (REFER TO FLOOR PLAN FOR LOCATION) * 1" WITH GWT #2W AWG TO BMS PANEL COORDINATE EXACT LOCATION WITH DIV 23 HVAC CONTROLLER |
| E2 | <p>EC SHALL PROVIDE CONCRETE PAD AND GROUNDING SYSTEM FOR UTILITY TRANSFORMER, PER MULTISOURCE REQUIREMENTS. PROVIDE PER ELECTRICAL SITE DETAILS.</p> |
| E3 | <p>MULTI-METERING UNIT WITH CONNECTIONS TO EACH BREAKER INDICATED (INCLUDING OUTSIDE BUILDING MAIN). PROVIDE SATEC MODEL #8PM-18 12-CANAL MULTI-METER ENERGY MONITORING WITH 1% OVERVOLTAGE ALARM. PROVIDE 1/2" WITH WIRING TO EACH BREAKER SHOWN WITH C.T. ON RISER DIAGRAM.</p> |
| E4 | <p>PROVIDE SPECIALTY ELEVATOR DISCONNECT SWITCH WITH INTEGRAL SHUNT-Trip AND VOLTAGE MONITORING CAPABILITY. PER ELECTRICAL DETAILS.</p> |
| E5 | <p>PROVIDE CONTROL WIRING IN 1" PER MFR. REQUIREMENTS FROM ELEVATOR CONTROLLER TO MSB INTERNAL ATS TO GENERATOR POWER SWITCH-OVER.</p> |
| E6 | <p>PROVIDE METTER SOCKET SUITABLE FOR FUTURE SOLAR PV SYSTEM REVENUE GRADE METER AND PROVISION FOR DISCONNECT TO BE USED BY UTILITY METERS.</p> |
| E7 | <p>SPARE BREAKER FOR FUTURE SOLAR PV SYSTEM. INSTALL ON OPPOSITE SIDE OF BUS FROM MAIN CIRCUIT BREAKER PER NEC §90 REQUIREMENTS.</p> |
| E8 | <p>EXTERIOR PANELEBOARD WITH NEMA 3R ENCLOSURE FOR ELECTRIC VEHICLE CHARGING STATIONS MOUNTED IN FREE STANDING ENCLOSURE. REFER TO SITE PLAN FOR ADDITIONAL INFORMATION.</p> |
| E9 | <p>PROVIDE GROUNDING ELECTRODE SYSTEM PER DETACHED STRUCTURE GROUNDING DETAIL.</p> |

THESE PLANS ARE BEING PROVIDED
FOR REFERENCE ONLY. AS OF
9/23/21 THE PROJECT HAS NOT BEEN
APPROVED FOR BIDDING AND
SUBJECT TO CHANGE.

Drummey Rosane Anderson, Inc.

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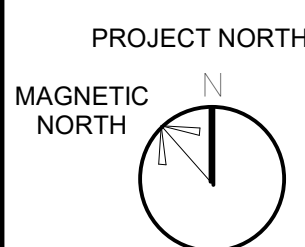
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STATE PROJECT NO: 132-0093M

100% CD PRICING SET

07/30/2021



ELECTRICAL RISER DIAGRAM

Scale: 1/8" = 1'-0"
Job No.: 20208.00
Drawn By: DRA
Date: 07/30/2021

E7-1-1