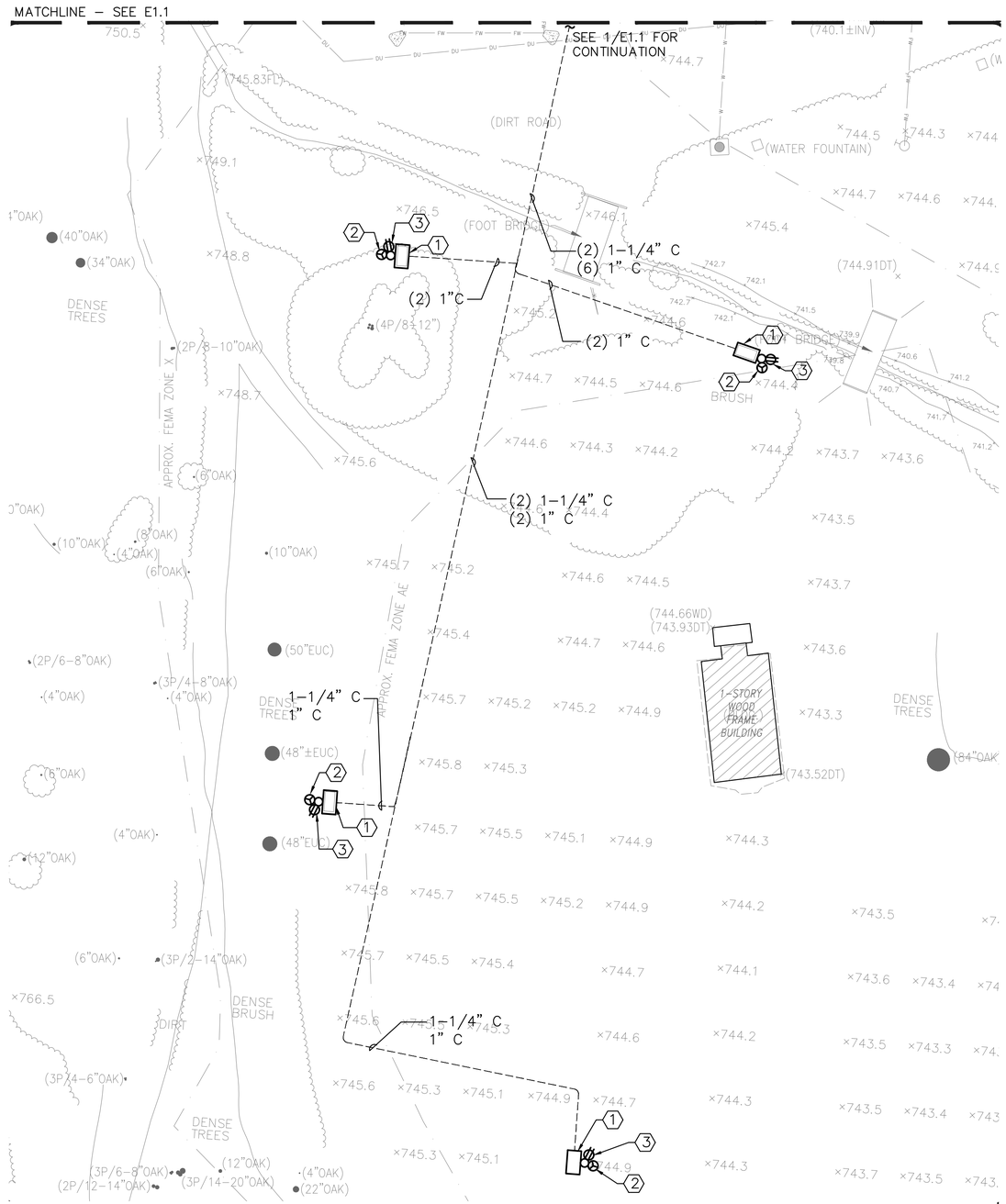



1 E1.0 SCALE K SITE PLAN SECTION C – ELECTRICAL

## GENERAL SHEET NOTES

A. REFER TO ARCHITECTURAL PLAN A0.1 AND CIVIL PLAN C3.1 FOR ADDITIONAL INFORMATION AND THE COMPLETE UTILITY ROUTING.

B. ANY SITE WORK SHALL BE IN ACCORDANCE TO CIVIL DRAWING.

## SHEET KEYNOTES:

1 PROVIDE UNDERGROUND PULLBOX. SIZE THE PULLBOX IN ACCORDANCE TO NEC.

2 PROVIDE NEMA 6–50R 50A, 240V, 1PH RECEPTACLE IN A WHILE–IN–USE WEATHER PROOF ENCLOSURE. INSTALL IN PEDESTAL. REFER TO SINGLE LINE DIAGRAM AND DETAIL 2/E6.2 FOR ADDITIONAL INFORMATION.

3 PROVIDE 20A, 120V, 1PH RECEPTACLE IN A WHILE–IN–USE WEATHER PROOF ENCLOSURE. INSTALL IN PEDESTAL. REFER TO SINGLE LINE DIAGRAM AND DETAIL 2/E6.2 FOR ADDITIONAL INFORMATION.

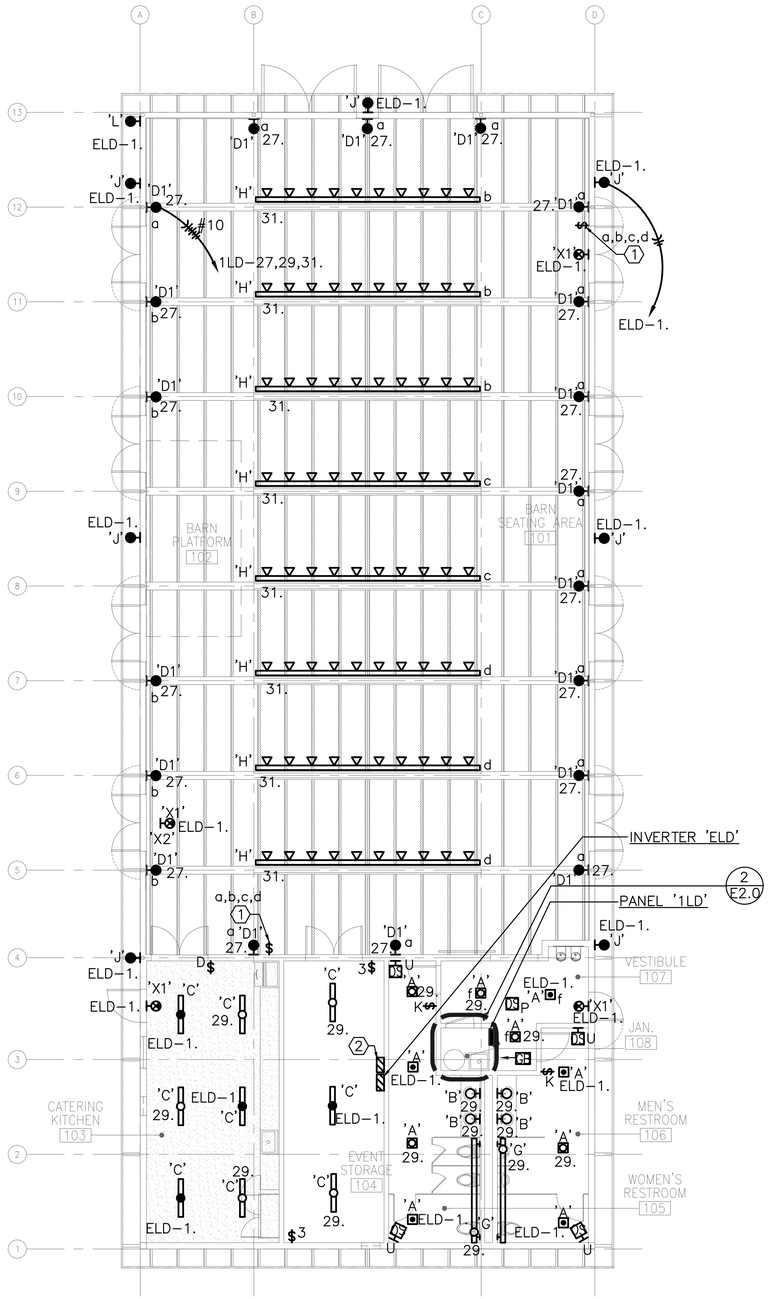
BLDG.1 4°

SCALE K 24 0 24 48
SCALE OF FEET

100% FINAL CONSTRUCTION DOCUMENTS

REGISTERED PROFESSIONAL ENGINEER THOMAS B. JUN No. E19320 Exp. 12/31/23 ELECTRICAL STATE OF CALIFORNIA
Signed: 8/17/22

| DESIGNED: | SUB SHEET NO. | TITLE OF SHEET | DRAWING NO. |
|---|---|---|---|
| IEI | | SITE PLAN SECTION C – ELECTRICAL | 638 / 182819 |
| CADD: BH | E1.3 | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: TJ | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 163 OF 200 |
| DATE: 07–15–2022 | | | |




1 E2.0 BARN FIRST FLOOR PLAN – LIGHTING
SCALE: Ⓚ

## GENERAL SHEET NOTES

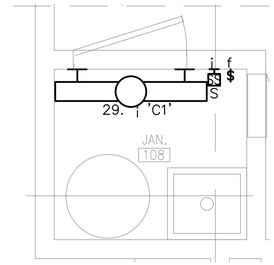
A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF LUMINAIRES AND LIGHTING CONTROLS WITH CONTRACTING OFFICER PRIOR TO INSTALLATION.

B. REFER TO LIGHTING CONTROL MATRIX ON SHEET E0.3 FOR ADDITIONAL INFORMATION ON THE TYPE OF CONTROLS TO BE PROVIDED FOR EACH SPACE TYPE.

C. EMERGENCY LUMINAIRES SWITCHED/DIMMED WITH NORMAL LUMINAIRES IN SPACE AND SHALL OPERATE ON 100% FULL OUTPUT WHEN OPERATING ON EMERGENCY POWER. PROVIDE UL924 RELAY DEVICE FOR EMERGENCY CIRCUIT TO BYPASS CONTROLS DURING POWER OUTAGE.

## SHEET KEYNOTES

1. PROVIDE SCENE CONTROLLER SWITCH WITH FOUR CONTROL ZONES. COORDINATE WITH OWNER ON CONTROL ZONE SWITCH ENGRAVING.
2. LUTRON POWER SUPPLY ENCLOSURE, ESNS AND TIMECLOCK.




2 E2.0 BARN ENLARGED PLAN – LIGHTING
SCALE: ①

BLDG. 4°

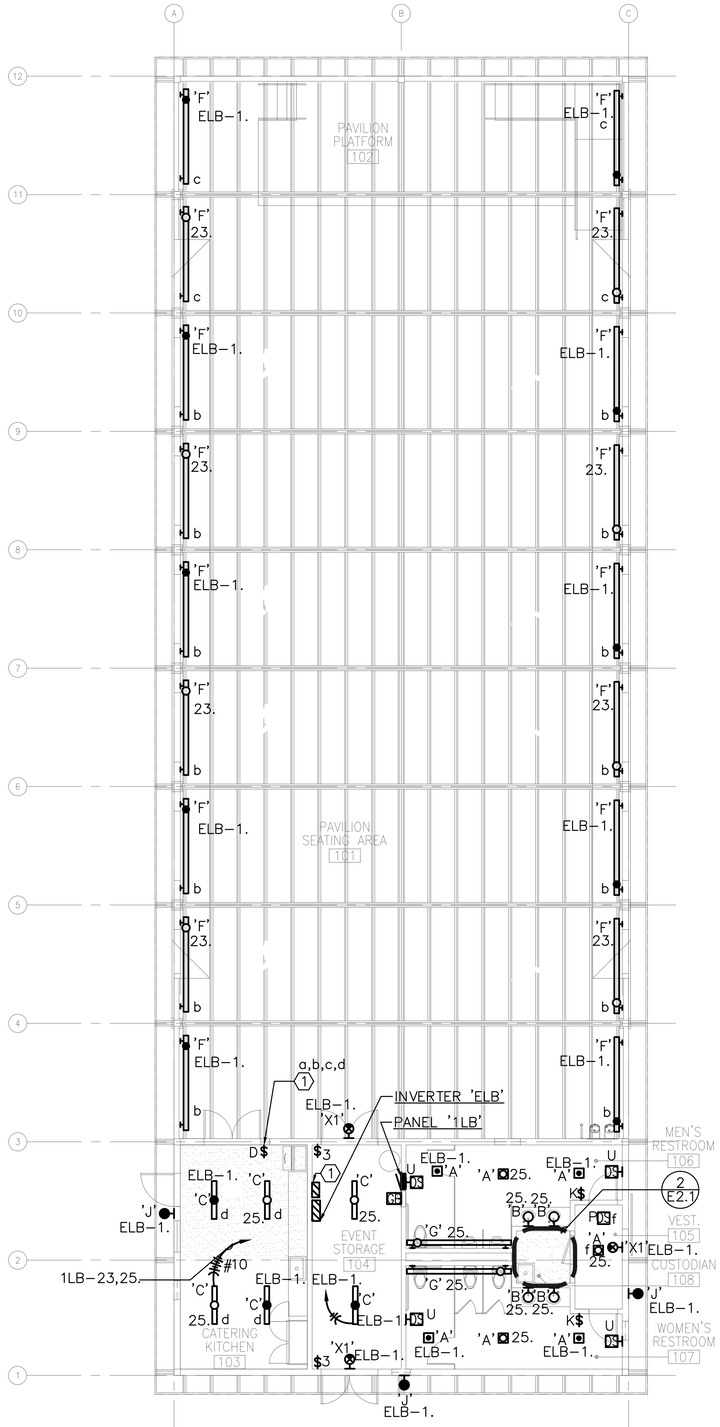
SCALE ① 1/2" = 1'-0" 2 0 2 4 SCALE OF FEET

SCALE Ⓚ 1/8" = 1'-0" 8 0 8 16 SCALE OF FEET

100% FINAL CONSTRUCTION DOCUMENTS

REGISTERED PROFESSIONAL ENGINEER THOMAS B. JUN No. E19320 Exp. 12/31/22 ELECTRICAL STATE OF CALIFORNIA
Signed: 8/17/22

| | | | |
|---|---|---|---|
| DESIGNED: IEI<br>CADD AC<br>TECH. REVIEW: TJ<br>DATE: 07-15-2022 | SUB SHEET NO. E2.0 | TITLE OF SHEET<br>BARN BUILDING – LIGHTING<br>SAMO REBUILD PARAMOUNT RANCH<br>AGOURA HILLS, CALIFORNIA | DRAWING NO. 638 182819<br>PMIS/PKG NO. 303051<br>SHEET 164 OF 200 |




1 E2.1 PAVILION FIRST FLOOR PLAN – LIGHTING
SCALE: Ⓚ

## GENERAL SHEET NOTES

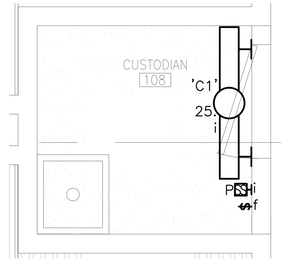
A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF LUMINAIRES AND LIGHTING CONTROLS WITH CONTRACTING OFFICER PRIOR TO INSTALLATION.

B. REFER TO LIGHTING CONTROL MATRIX ON SHEET E0.3 FOR ADDITIONAL INFORMATION ON THE TYPE OF CONTROLS TO BE PROVIDED FOR EACH SPACE TYPE.

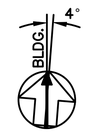
C. EMERGENCY LUMINAIRES SWITCHED/DIMMED WITH NORMAL LUMINAIRES IN SPACE AND SHALL OPERATE ON 100% FULL OUTPUT WHEN OPERATING ON EMERGENCY POWER. PROVIDE UL924 RELAY DEVICE FOR EMERGENCY CIRCUIT TO BYPASS CONTROLS DURING POWER OUTAGE.

## SHEET KEYNOTES

1. PROVIDE SCENE CONTROLLER WITH FOUR CONTROL ZONES.
2. LUTRON POWER SUPPLY ENCLOSURE, ESNS AND TIMECLOCK.




2 E2.1 PAVILION ENLARGED PLAN – LIGHTING
SCALE: ①




SCALE ① 1/2" = 1'–0" 2 0 2 4 SCALE OF FEET

SCALE Ⓚ 1/8" = 1'–0" 8 0 8 16 SCALE OF FEET

100% FINAL CONSTRUCTION DOCUMENTS

REGISTERED PROFESSIONAL ENGINEER THOMAS B. JUN No. E19320 Exp. 12/31/22 ELECTRICAL STATE OF CALIFORNIA
Signed: 8/17/22

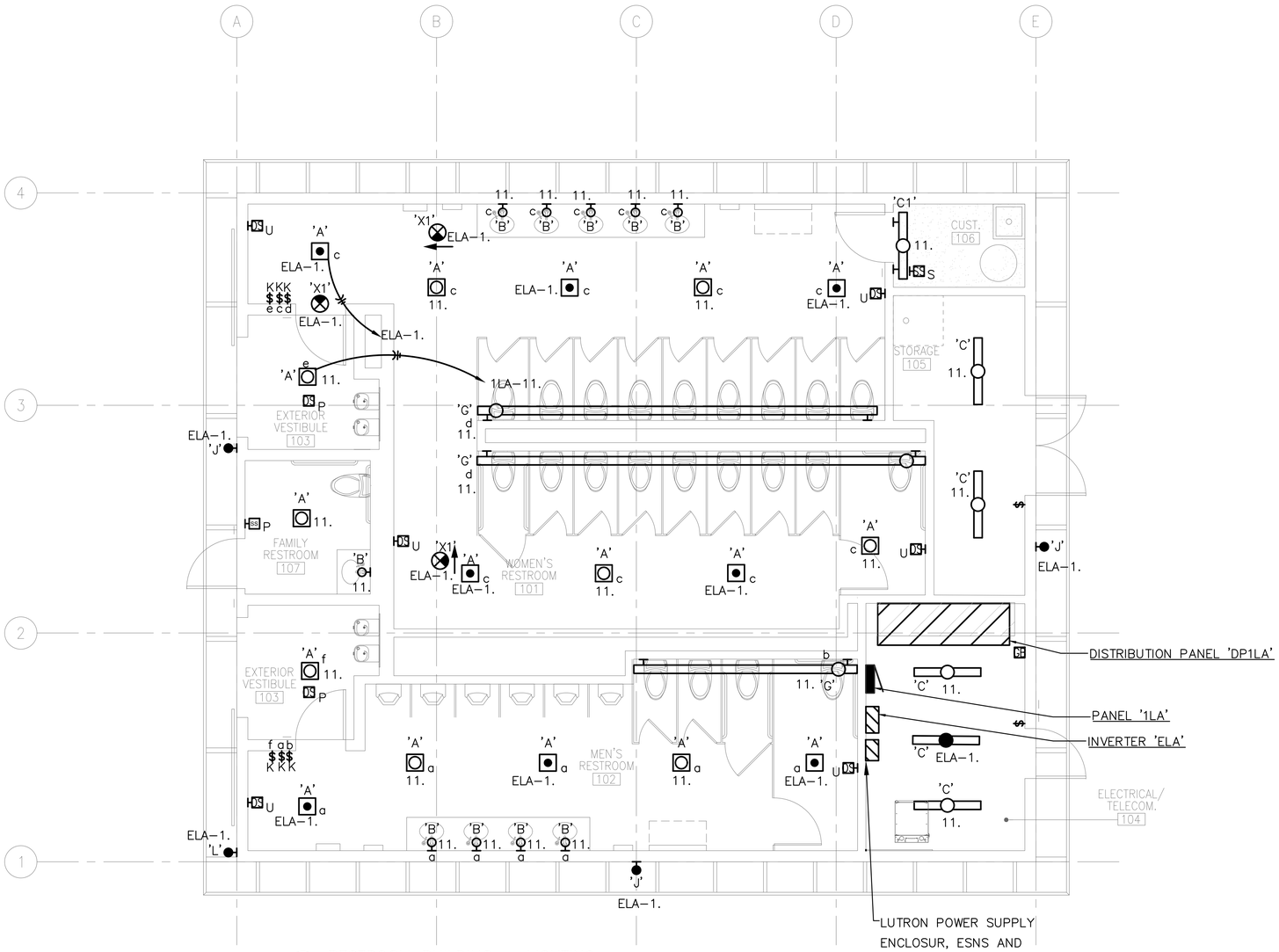
| DESIGNED: | SUB SHEET NO. | TITLE OF SHEET | DRAWING NO. |
|---|---|---|---|
| IEI | E2.1 | PAVILION BUILDING – LIGHTING | 638 / 182819 |
| CADD: AC | | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: TJ | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 165 OF 200 |
| DATE: 07–15–2022 | | | |

## GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF LUMINAIRES AND LIGHTING CONTROLS WITH CONTRACTING OFFICER PRIOR TO INSTALLATION.

B. REFER TO LIGHTING CONTROL MATRIX ON SHEET E0.3 FOR ADDITIONAL INFORMATION ON THE TYPE OF CONTROLS TO BE PROVIDED FOR EACH SPACE TYPE.

C. EMERGENCY LUMINAIRES SWITCHED/DIMMED WITH NORMAL LUMINAIRES IN SPACE AND SHALL OPERATE ON 100% FULL OUTPUT WHEN OPERATING ON EMERGENCY POWER. PROVIDE UL924 RELAY DEVICE FOR EMERGENCY CIRCUIT TO BYPASS CONTROLS DURING POWER OUTAGE.




1 E2.2 RESTROOM BUILDING – LIGHTING
SCALE: ①

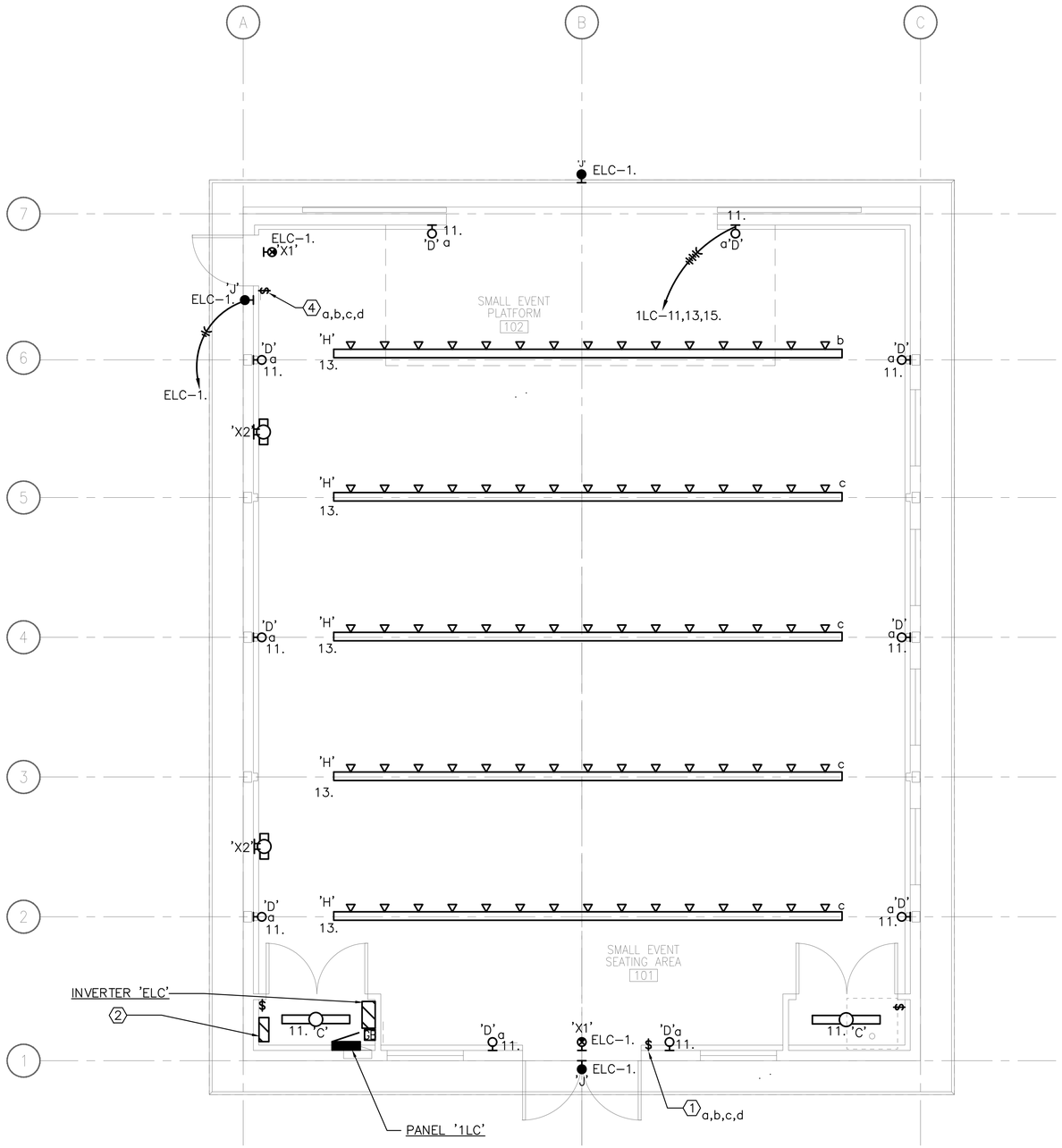
BLDG. 4°

SCALE ① 1/4" = 1'–0"  4 0 4 8 SCALE OF FEET

100% FINAL CONSTRUCTION DOCUMENTS

| | | | |
|---|---|---|---|
| DESIGNED: IEI<br>CADD: AC<br>TECH. REVIEW: TJ<br>DATE: 07–15–2022 | SUB SHEET NO. E2.2 | TITLE OF SHEET: RESTROOM BUILDING – LIGHTING<br>SAMO REBUILD PARAMOUNT RANCH<br>AGOURA HILLS, CALIFORNIA | DRAWING NO. 638 / 182819<br>PMIS/PKG NO. 303051<br>SHEET 166 OF 200 |

REGISTERED PROFESSIONAL ENGINEER THOMAS B. JUN No. E19320 Exp. 12/31/22 ELECTRICAL STATE OF CALIFORNIA
Signed: 8/17/22




1 E2.3 SMALL EVENT BUILDING – LIGHTING
SCALE: J

## GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT LUMINAIRES AND LIGHTING CONTROLS WITH CONTRACTING OFFICER PRIOR TO INSTALLATION.

B. REFER TO LIGHTING CONTROL MATRIX ON SHEET E0.3 FOR ADDITIONAL INFORMATION ON THE TYPE OF CONTROLS TO BE PROVIDED FOR EACH SPACE TYPE.

C. EMERGENCY LUMINAIRES SWITCHED/DIMMED WITH NORMAL LUMINAIRES IN SPACE AND SHALL OPERATE ON 100% FULL OUTPUT WHEN OPERATING ON EMERGENCY POWER. PROVIDE UL924 RELAY DEVICE FOR EMERGENCY CIRCUIT TO BYPASS CONTROLS DURING POWER OUTAGE.

## ⬡ SHEET KEYNOTES:

1. PROVIDE SCENE CONTROLLER WITH FOUR CONTROL ZONES.
2. LUTRON POWER SUPPLY ENCLOSURE, ESNS AND TIMECLOCK.

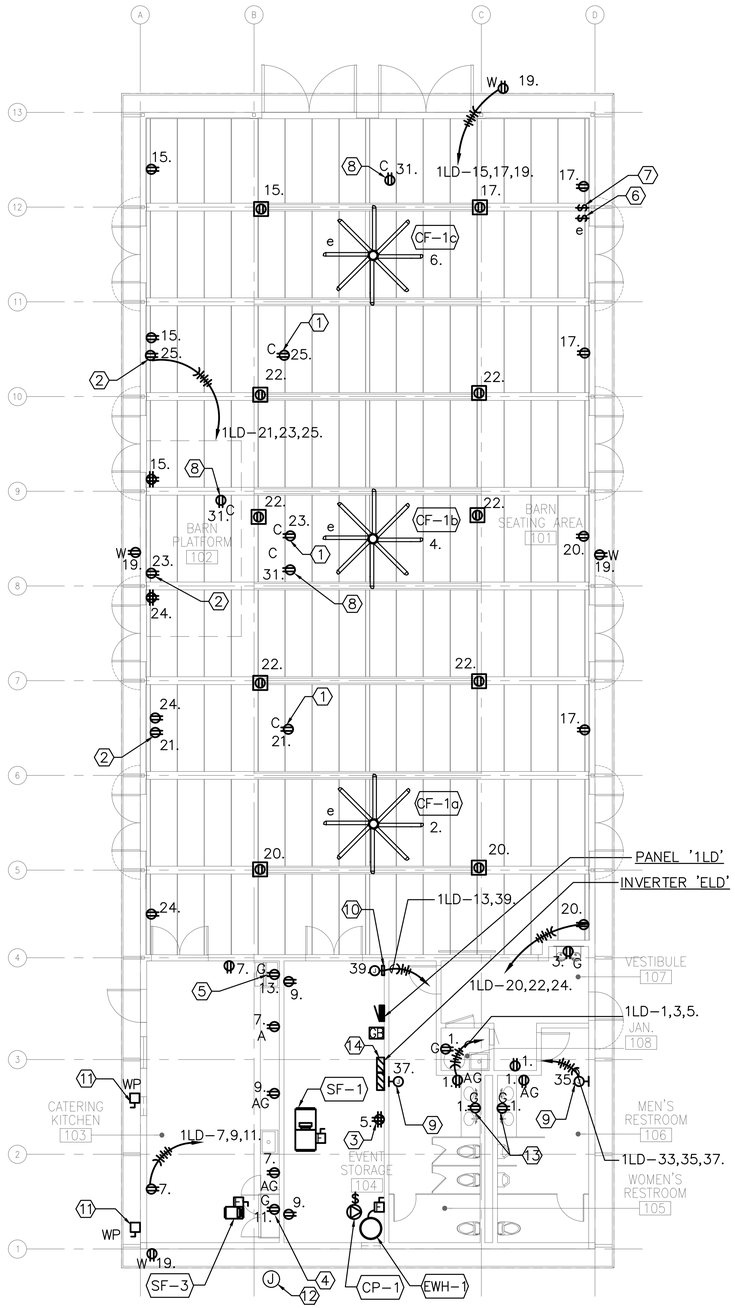
BLDG. 4°

SCALE J 4 0 4 8
1/4" = 1'–0" SCALE OF FEET

100% FINAL CONSTRUCTION DOCUMENTS

REGISTERED PROFESSIONAL ENGINEER THOMAS B. JUN No. E19320 Exp. 12/31/22 ELECTRICAL STATE OF CALIFORNIA
Signed: 8/17/22

| DESIGNED: | SUB SHEET NO. | TITLE OF SHEET | DRAWING NO. |
|---|---|---|---|
| IEI | | SMALL EVENT BUILDING – LIGHTING | 638 182819 |
| CADD: AC | E2.3 | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: TJ | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 167 OF 200 |
| DATE: 07–15–2022 | | | |




1 E3.0 BARN FIRST FLOOR PLAN – POWER
SCALE: Ⓚ

## GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLE, AND ELECTRICAL DEVICES, WITH CONTRACTING OFFICER PRIOR TO INSTALLATION.

B. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF HVAC UNITS WITH DIVISION 23 PRIOR TO INSTALLATION. PROVIDE BUDGET ALLOWANCE FOR MAINTENANCE RECEPTACLE WITHIN 25' OF EACH EQUIPMENT PER NEC ARTICLE 210.63.

## ⬡ SHEET KEYNOTES

1. PROVIDE POWER FOR CEILING MOUNTED PROJECTOR. COORDINATE EXACT LOCATION WITH CONTRACTING OFFICER PRIOR TO INSTALLATION.
2. PROVIDE POWER FOR PROJECTOR SCREEN. COORDINATE EXACT LOCATION WITH CONTRACTING OFFICER PRIOR TO INSTALLATION.
3. PROVIDE 5–20 QUAD RECEPTACLE INSIDE IT CABINET. COORDINATE EXACT LOCATION WITH TECHNOLOGY DRAWING.
4. PROVIDE POWER FOR REFRIGERATOR.
5. PROVIDE POWER FOR ICE MAKER.
6. PROVIDE CONTROL FOR CEILING FAN. COORDINATE EXACT LOCATION WITH CONTRACTING OFFICER AND MANUFACTURER PRIOR TO INSTALLATION.
7. PROVIDE SWITCH FOR MECHANICAL EQUIPMENT SF–1. CONFIRM WITH MECHANICAL DRAWINGS FOR EXACT LOCATION AND SPECIFICATION.
8. PROVIDE POWER FOR FUTURE PLUG–IN LIGHTING.
9. PROVIDE JUNCTION BOX FOR HAND DRYER. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
10. PROVIDE JUNCTION BOX WITH DEDICATED CIRCUIT FOR FIRE ALARM NOTIFICATION APPLIANCE CIRCUIT PANEL (NAC). COORDINATED EXACT LOCATION AND REQUIREMENTS WITH FIRE ALARM.
11. PROVIDE 45AMP, 3POLE DISCONNECT SWITCH AND 3 #6 CU, 1 #10 CU GND., IN 3/4" C. TO ACCOMMODATE FOR FUTURE CONDENSING UNIT.
12. PROVIDE JUNCTION BOX FOR GROUND TEST WELL.
13. PROVIDE RECEPTACLE FOR SOAP DISPENSERS.
14. LUTRON POWER SUPPLY ENCLOSURE, ESNS AND TIMECLOCK SHOWN FOR REFERENCE.

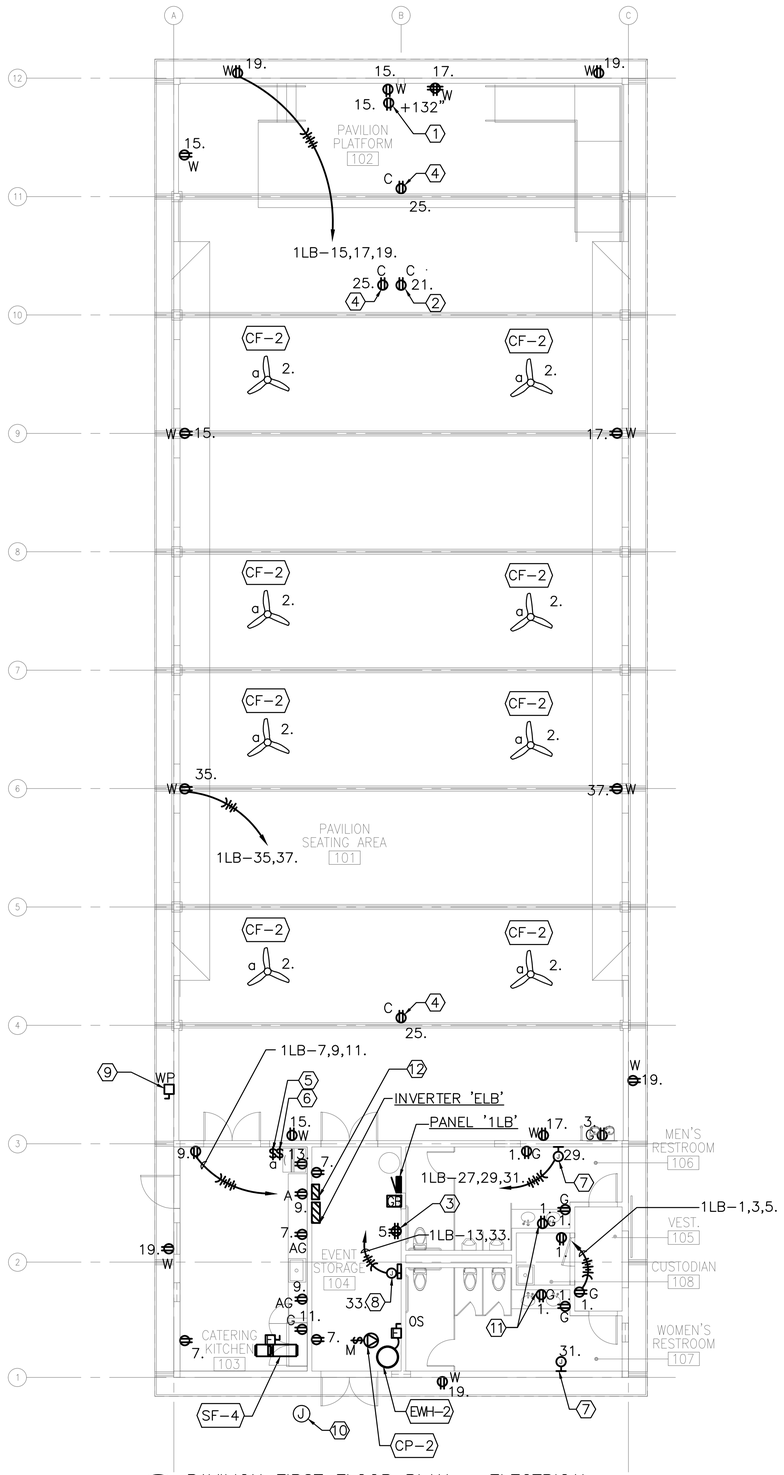
BLDG. 4°

SCALE Ⓚ 1/8" = 1'–0"
8 0 8 16
SCALE OF FEET

REGISTERED PROFESSIONAL ENGINEER
THOMAS B. JUN
No. E19320
Exp: 12/31/22
ELECTRICAL
STATE OF CALIFORNIA
Signed: 8/19/22

100% FINAL CONSTRUCTION DOCUMENTS

| DESIGNED: | SUB SHEET NO. | TITLE OF SHEET | DRAWING NO. |
|---|---|---|---|
| IEI | E3.0 | BARN BUILDING – POWER | 638 / 182819 |
| CADD: AC | | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: TJ | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 168 OF 200 |
| DATE: 07–15–2022 | | | |




1 E3.1 PAVILION FIRST FLOOR PLAN – ELECTRICAL
SCALE: Ⓚ

## GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLE, AND ELECTRICAL DEVICES, WITH CONTRACTING OFFICER PRIOR TO INSTALLATION.

B. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF HVAC UNITS WITH DIVISION 23 PRIOR TO INSTALLATION. PROVIDE BUDGET ALLOWANCE FOR MAINTENANCE RECEPTACLE WITHIN 25' OF EACH EQUIPMENT PER NEC ARTICLE 210.63.

## SHEET KEYNOTES

1. PROVIDE POWER FOR PROJECTOR SCREEN.
2. PROVIDE POWER FOR CEILING MOUNTED PROJECTOR.
3. PROVIDE 5–20 QUAD RECEPTACLE INSIDE IT CABINET. COORDINATE EXACT LOCATION WITH TECHNOLOGY DRAWING.
4. PROVIDE POWER FOR FUTURE PLUG–IN LIGHTING.
5. PROVIDE CONTROL FOR CEILING FAN. COORDINATE EXACT LOCATION WITH CONTRACTING OFFICER AND MANUFACTURER PRIOR TO INSTALLATION.
6. PROVIDE SWITCH FOR MECHANICAL EQUIPMENT SF–4. CONFIRM WITH MECHANICAL DRAWINGS FOR EXACT LOCATION AND SPECIFICATION.
7. PROVIDE JUNCTION BOX WITH DEDICATED CIRCUIT FOR HAND DRYER. COORDINATE EXACT LOCATION WITH CONTRACTING OFFICER PRIOR TO INSTALLATION.
8. PROVIDE JUNCTION BOX WITH DEDICATED CIRCUIT FOR FIRE ALARM NOTIFICATION APPLIANCE CIRCUIT PANEL (NAC). COORDINATED EXACT LOCATION AND REQUIREMENTS WITH FIRE ALARM.
9. PROVIDE 25 AMP, 2 POLE DISCONNECT SWITCH AND 2 #10 CU, 1 #10 CU GND., IN 1" C. TO ACCOMMODATE FOR FUTURE CONDENSING UNIT.
10. PROVIDE JUNCTION BOX FOR GROUND TEST WELL.
11. PROVIDE RECEPTACLE FOR SOAP DISPENSERS.
12. LUTRON POWER SUPPLY ENCLOSURE, ESNS AND TIMECLOCK SHOWN FOR REFERENCE.

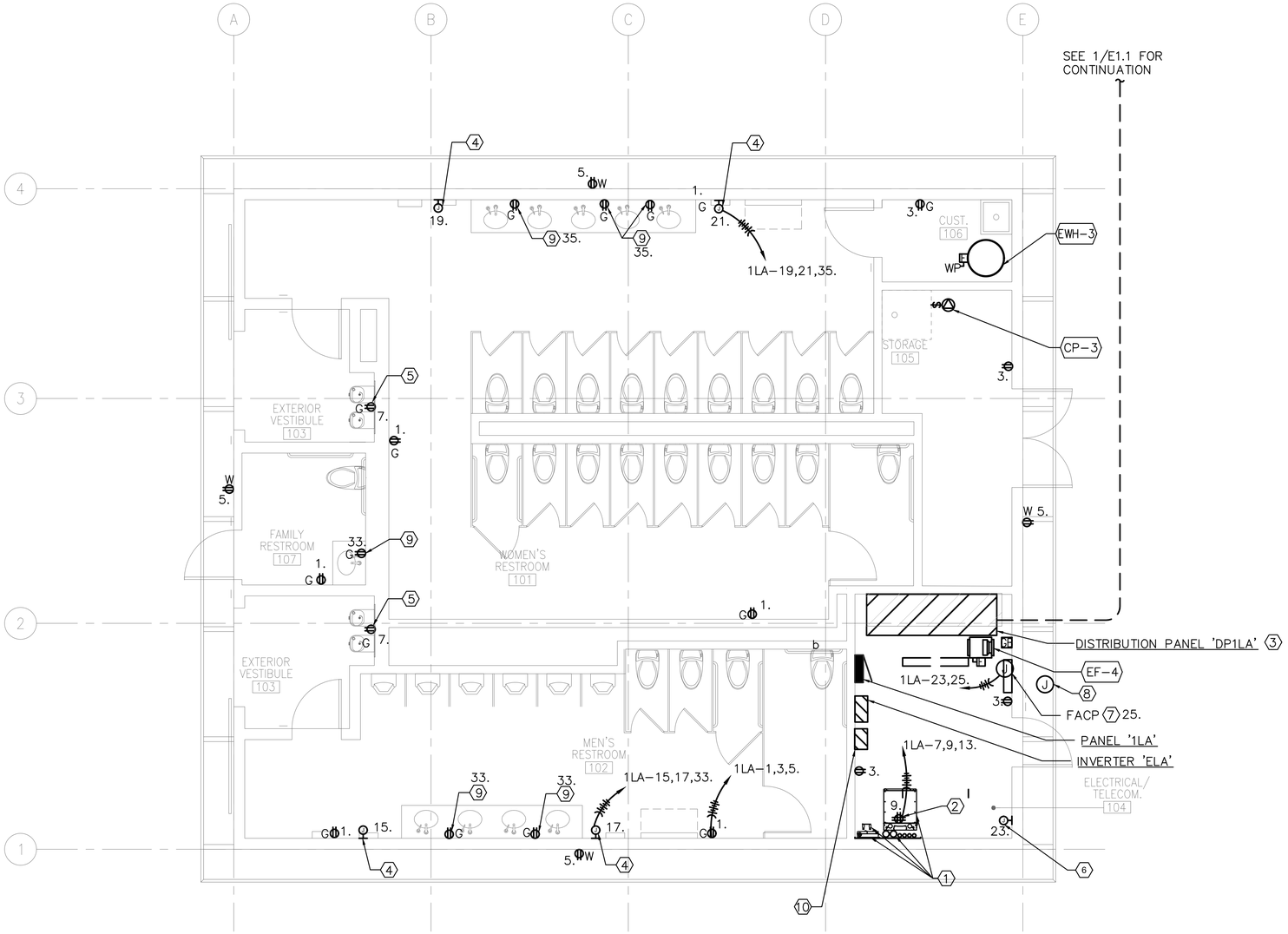
BLDG. 4°

SCALE Ⓚ 1/8" = 1'–0"
8 0 8 16
SCALE OF FEET

100% FINAL CONSTRUCTION DOCUMENTS

REGISTERED PROFESSIONAL ENGINEER THOMAS B. JUN No. E19320 Exp. 12/31/22 ELECTRICAL STATE OF CALIFORNIA
Signed: 8/17/22

| | | | |
|---|---|---|---|
| DESIGNED: IEI | SUB SHEET NO. | TITLE OF SHEET: PAVILION BUILDING – POWER | DRAWING NO. 638 / 182819 |
| CADD AC | E3.1 | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | PMIS/PKG NO. 303051 |
| TECH. REVIEW: TJ | | | SHEET 169 OF 200 |
| DATE: 07–15–2022 | | | |




1 E3.2 RESTROOM BUILDING – POWER
SCALE: J

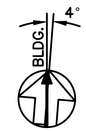
## GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLE, AND ELECTRICAL DEVICES, WITH CONTRACTING OFFICER PRIOR TO INSTALLATION.

B. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF HVAC UNITS WITH DIVISION 23 PRIOR TO INSTALLATION. PROVIDE BUDGET ALLOWANCE FOR MAINTENANCE RECEPTACLE WITHIN 25' OF EACH EQUIPMENT PER NEC ARTICLE 210.63.

## SHEET KEYNOTES:

1. IT EQUIPMENT LOCATED FOR COORDINATION PURPOSES. CONTRACTOR SHALL GROUND ALL IT ENCLOSURES. REFER TO TECHNOLOGY SPECIFICATIONS FOR GROUND REQUIREMENTS.
2. PROVIDE 5–20R QUAD RECEPTACLE INSIDE THE CABINET. COORDINATE WITH TECHNOLOGY DRAWING FOR EXACT LOCATION.
3. PROVIDE A COPY OF ELECTRICAL ROOM KEY TO SCE FOR 24 HOUR ACCESS TO UTILITY METER.
4. PROVIDE JUNCTION BOX FOR HAND DRYER. COORDINATE EXACT LOCATION WITH CONTRACTING OFFICER PRIOR TO INSTALLATION.
5. PROVIDE RECEPTACLE FOR WATER FOUNTAIN.
6. PROVIDE JUNCTION BOX WITH DEDICATED CIRCUIT FOR IRRIGATION CONTROL PANEL. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH CONTRACTING OFFICER.
7. PROVIDE DEDICATED POWER AND JUNCTION BOX FOR FIRE ALARM CONTROL PANEL. COORDINATE LOCATION AND REQUIREMENTS WITH FIRE ALARM TRADE.
8. PROVIDE JUNCTION BOX FOR GROUND TEST WELL.
9. PROVIDE RECEPTACLE FOR SOAP DISPENSERS.
10. LUTRON POWER SUPPLY ENCLOSURE, ESNS AND TIMECLOCK SHOWN FOR REFERENCE.

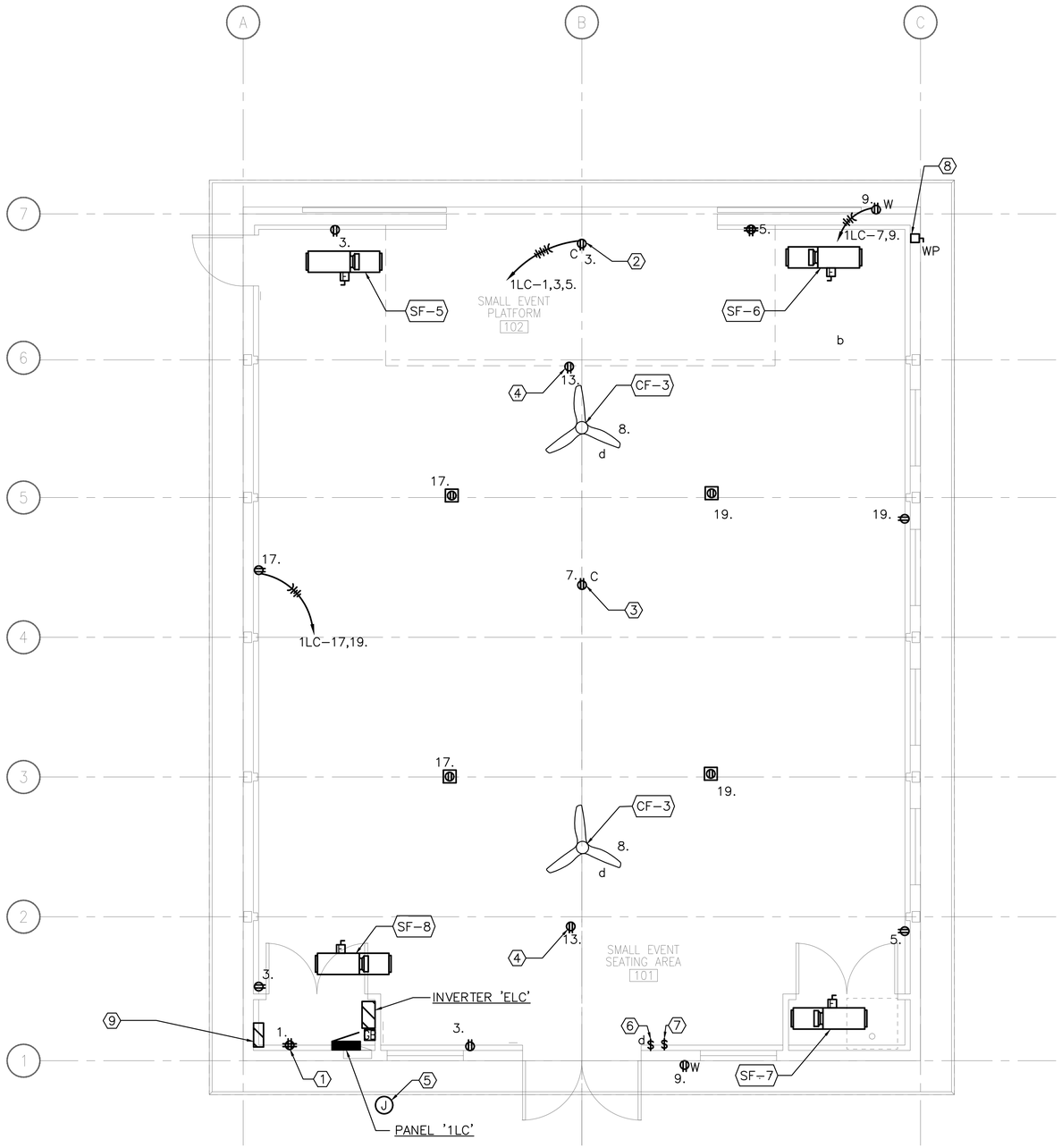



SCALE J 1/4" = 1'–0" 4 0 4 8 SCALE OF FEET

100% FINAL CONSTRUCTION DOCUMENTS

REGISTERED PROFESSIONAL ENGINEER THOMAS B. JUN No. E19320 Exp. 12/31/22 ELECTRICAL STATE OF CALIFORNIA
Signed: 8/17/22

| DESIGNED: IEI | SUB SHEET NO. | TITLE OF SHEET | DRAWING NO. |
|---|---|---|---|
| CADD AC | E3.2 | RESTROOM BUILDING – POWER | 638 182819 |
| TECH. REVIEW: TJ | | | PMIS/PKG NO. 303051 |
| DATE: 07–15–2022 | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 170 OF 200 |




1 E3.3 SMALL EVENT BUILDING – POWER
SCALE: (J)

## GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLE, AND ELECTRICAL DEVICES, WITH CONTRACTING OFFICER PRIOR TO INSTALLATION.

B. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF HVAC UNITS WITH DIVISION 23 PRIOR TO INSTALLATION. PROVIDE BUDGET ALLOWANCE FOR MAINTENANCE RECEPTACLE WITHIN 25' OF EACH EQUIPMENT PER NEC ARTICLE 210.63.

## SHEET KEYNOTES:

1. PROVIDE 5–20R QUAD RECEPTACLE INSIDE IT CABINET. COORDINATE EXACT LOCATION WITH TECHNOLOGY DRAWING.
2. PROVIDE POWER FOR PROJECTOR SCREEN.
3. PROVIDE POWER FOR CEILING MOUNTED PROJECTOR.
4. PROVIDE POWER FOR FUTURE PLUG–IN LIGHTING.
5. PROVIDE JUNCTION BOX FOR GROUND TEST WELL.
6. PROVIDE CONTROL FOR CEILING FAN. COORDINATE EXACT LOCATION WITH CONTRACTING OFFICER AND MANUFACTURER PRIOR TO INSTALLATION.
7. PROVIDE SWITCH FOR MECHANICAL EQUIPMENT SF–5,6,7,8. CONFIRM WITH MECHANICAL DRAWINGS FOR EXACT LOCATION AND SPECIFICATION.
8. PROVIDE 45AMP, 3POLE DISCONNECT SWITCH AND 3 #6 CU, 1 #10 CU GND., IN 3/4" C. TO ACCOMODATE FOR FUTURE CONDENSING UNIT.
9. LUTRON POWER SUPPLY ENCLOSURE, ESNS AND TIMECLOCK SHOWN FOR REFERENCE.

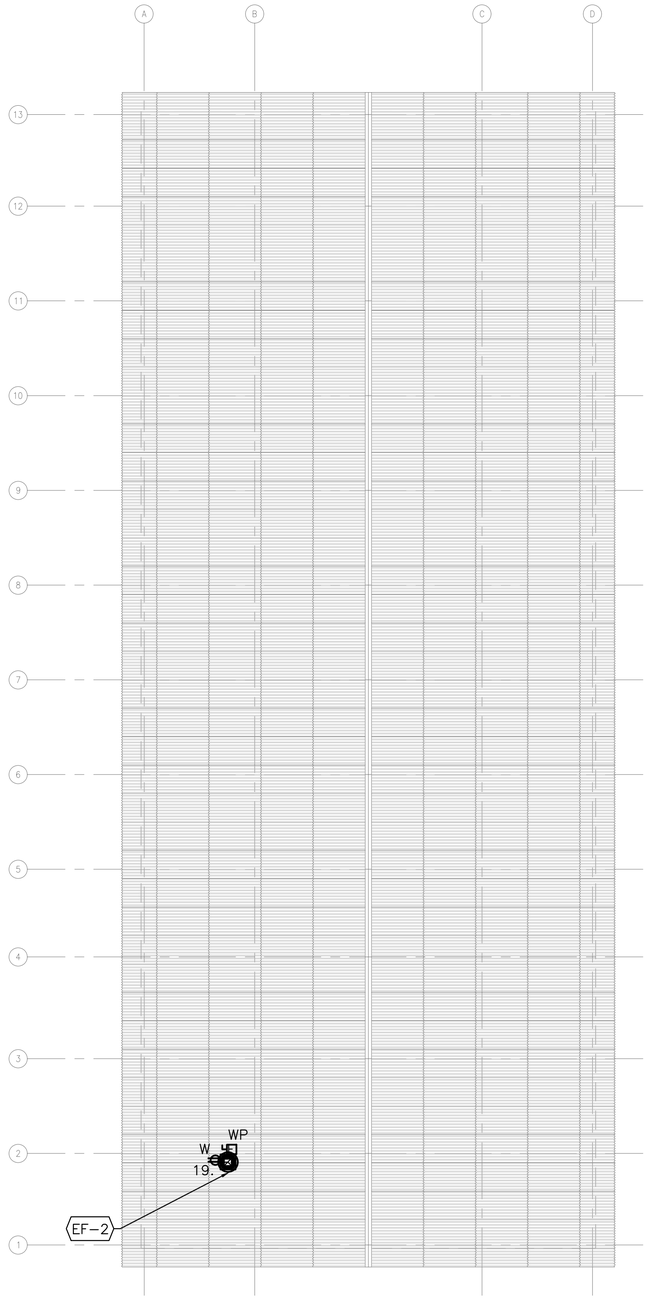
BLDG. 4°

SCALE (J) 1/4" = 1'–0"
4 0 4 8
SCALE OF FEET

100% FINAL CONSTRUCTION DOCUMENTS

REGISTERED PROFESSIONAL ENGINEER THOMAS B. JUN No. E19320 Exp: 12/31/22 ELECTRICAL STATE OF CALIFORNIA
Signed: 8/19/22

| DESIGNED: | SUB SHEET NO. | TITLE OF SHEET | DRAWING NO. |
|---|---|---|---|
| IEI | | SMALL EVENT BUILDING – POWER | 638 182819 |
| CADD: AC | E3.3 | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: TJ | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 171 OF 200 |
| DATE: 07–15–2022 | | | |

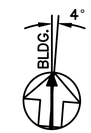



1 E3.10 BARN BUILDING ROOF PLAN – POWER
SCALE: Ⓚ

## GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLE AND ELECTRICAL DEVICES, WITH ARCHITECT PRIOR TO INSTALLATION.

B. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF HVAC UNITS WITH DIVISION 23 PRIOR TO INSTALLATION. PROVIDE BUDGET ALLOWANCE FOR MAINTENANCE RECEPTACLE WITH 25' OF EACH EQUIPMENT PER NEC ARTICLE 210.63.

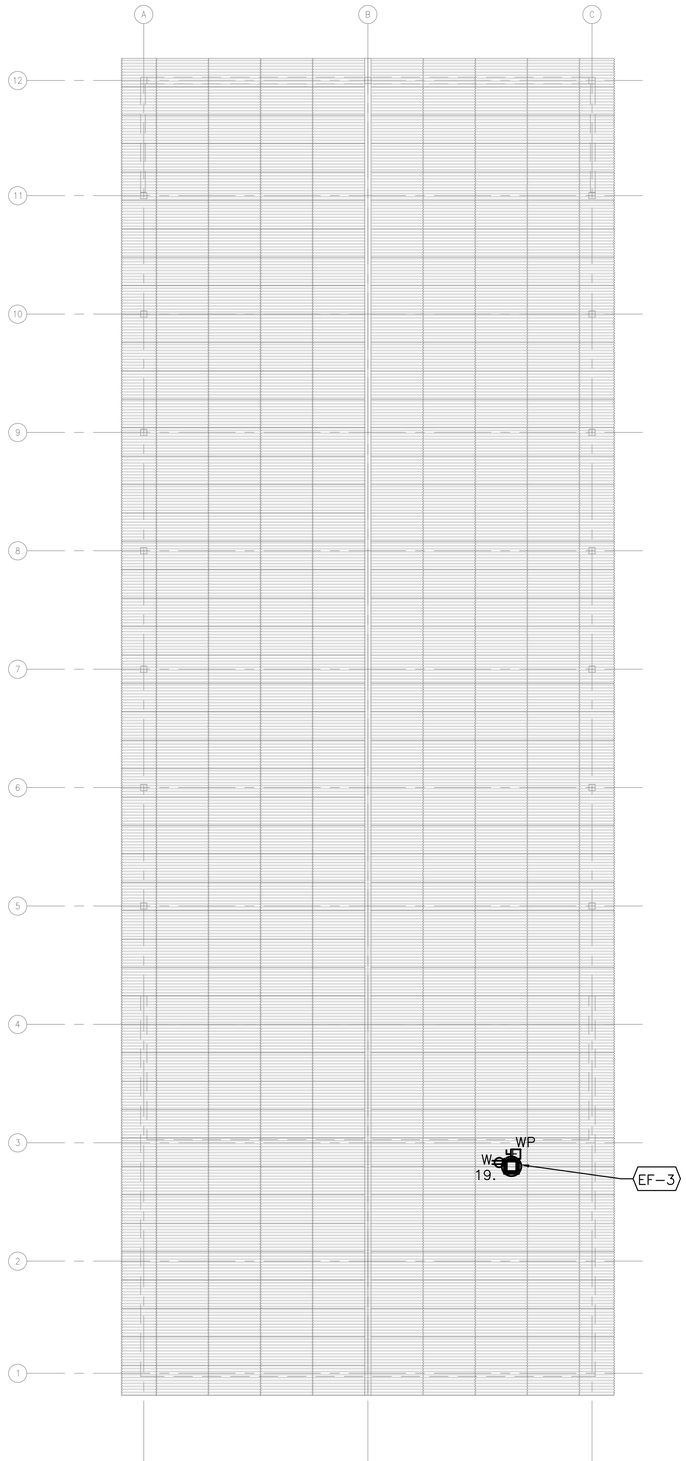



SCALE Ⓚ 1/8" = 1'-0"
8 0 8 16
SCALE OF FEET

100% FINAL CONSTRUCTION DOCUMENTS

REGISTERED PROFESSIONAL ENGINEER
THOMAS B. JUN
No. E19320
Exp. 12/31/22
ELECTRICAL
STATE OF CALIFORNIA
Signed: 8/17/22

| DESIGNED: | SUB SHEET NO. | TITLE OF SHEET | DRAWING NO. |
|---|---|---|---|
| IEI | E3.10 | BARN BUILDING ROOF PLAN – POWER | 638 182819 |
| CADD: AC | | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: TJ | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 172 OF 200 |
| DATE: 07-15-2022 | | | |

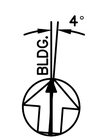



1 E3.11 PAVILLION BUILDING ROOF PLAN – POWER
SCALE: Ⓚ

## GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLE AND ELECTRICAL DEVICES, WITH ARCHITECT PRIOR TO INSTALLATION.

B. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF HVAC UNITS WITH DIVISION 23 PRIOR TO INSTALLATION. PROVIDE BUDGET ALLOWANCE FOR MAINTENANCE RECEPTACLE WITHIN 25' OF EACH EQUIPMENT PER NEC ARTICLE 210.63.




SCALE Ⓚ 1/8" = 1'–0"
8 0 8 16
SCALE OF FEET

100% FINAL CONSTRUCTION DOCUMENTS

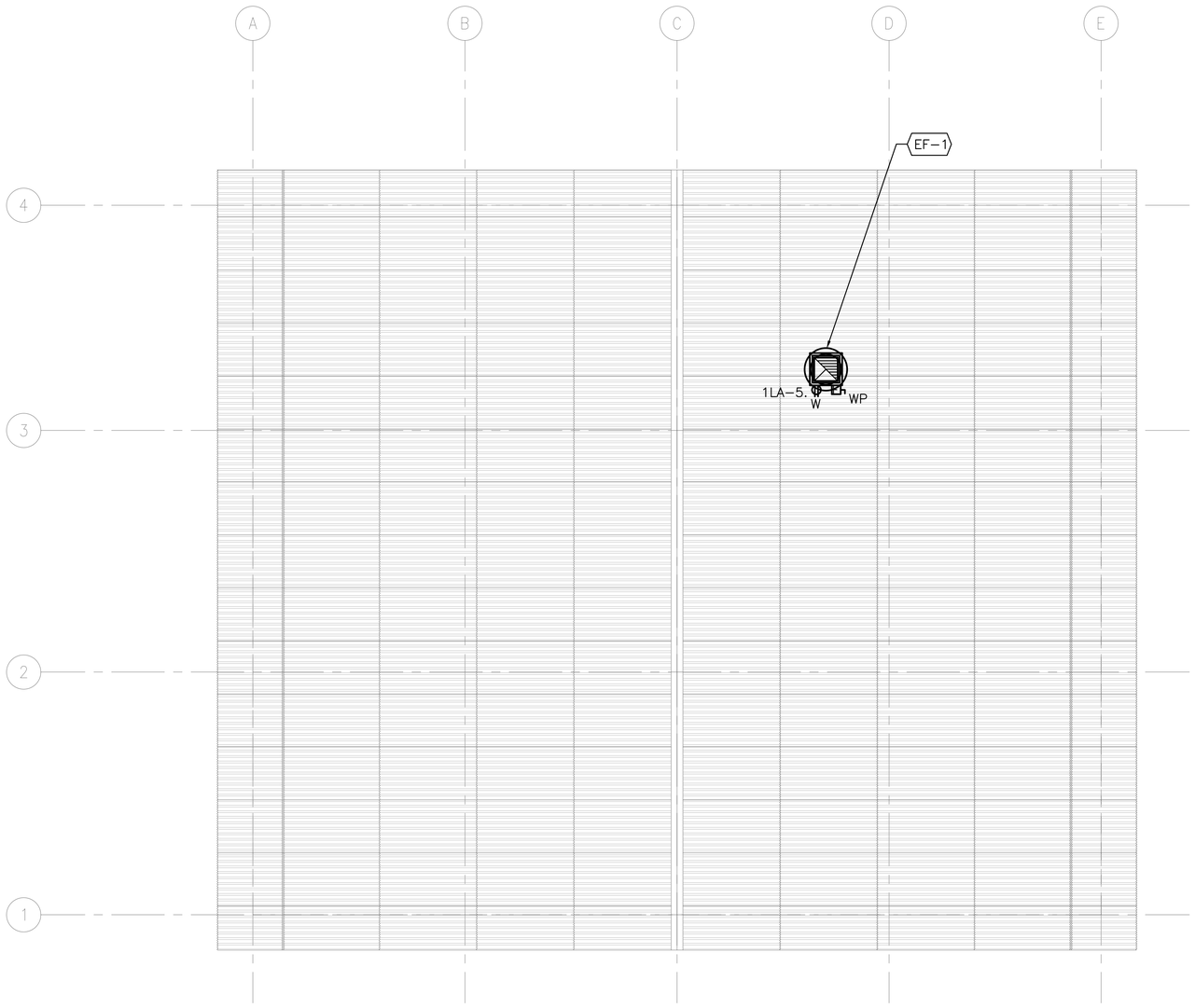
REGISTERED PROFESSIONAL ENGINEER
THOMAS B. JUN
No. E19320
Exp. 12/31/22
ELECTRICAL
STATE OF CALIFORNIA
Signed: 8/17/22

| DESIGNED: | SUB SHEET NO. | TITLE OF SHEET | DRAWING NO. |
|---|---|---|---|
| IEI | | PAVILION BUILDING ROOF PLAN – POWER | 638 / 182819 |
| CADD: AC | E3.11 | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: TJ | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 173 OF 200 |
| DATE: 07–15–2022 | | | |

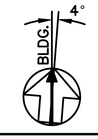
## GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLE AND ELECTRICAL DEVICES, WITH ARCHITECT PRIOR TO INSTALLATION.

B. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF HVAC UNITS WITH DIVISION 23 PRIOR TO INSTALLATION. PROVIDE BUDGET ALLOWANCE FOR MAINTENANCE RECEPTACLE WITHIN 25' OF EACH EQUIPMENT PER NEC ARTICLE 210.63.




1 E3.12 RESTROOM BUILDING ROOF PLAN – POWER
SCALE: Ⓚ

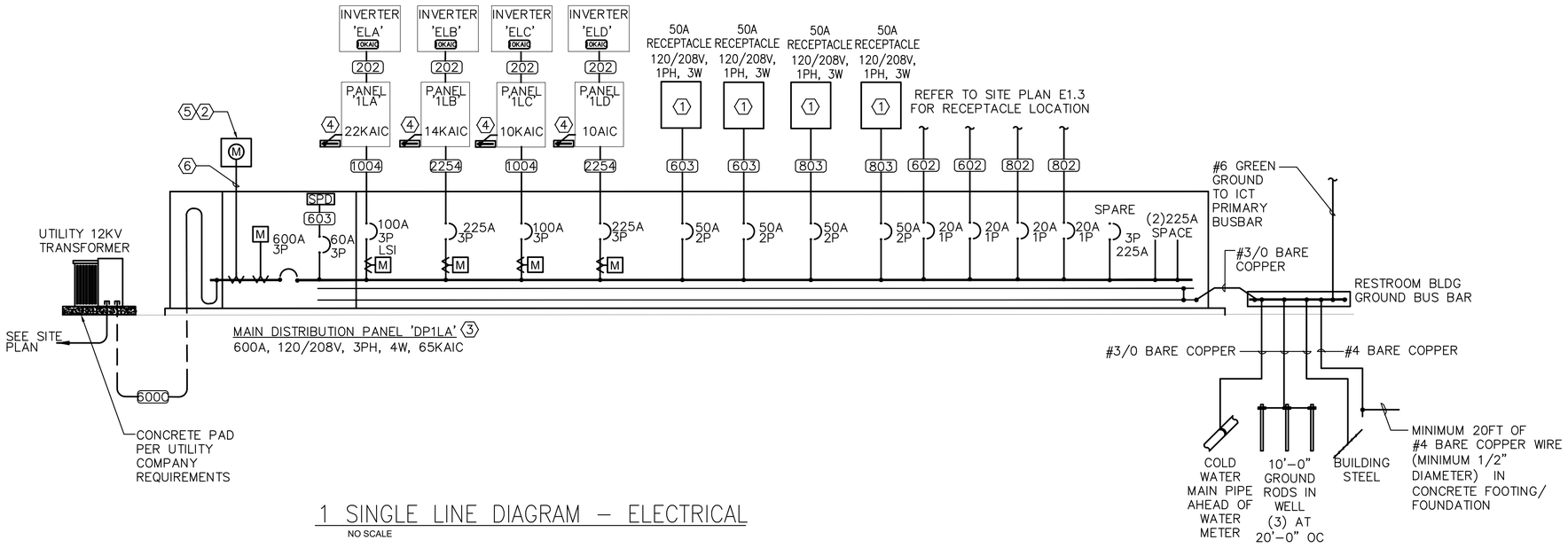



SCALE Ⓚ 1/4" = 1'-0"
4 0 4 8
SCALE OF FEET

100% FINAL CONSTRUCTION DOCUMENTS

REGISTERED PROFESSIONAL ENGINEER
THOMAS B. JUN
No. E19320
Exp. 12/31/22
ELECTRICAL
STATE OF CALIFORNIA
Signed: 8/17/22

| DESIGNED: | SUB SHEET NO. | TITLE OF SHEET | DRAWING NO. |
|---|---|---|---|
| IEI | | RESTROOM BUILDING ROOF PLAN – POWER | 638 / 182819 |
| CADD: AC | E3.12 | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: TJ | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 174 OF 200 |
| DATE: 07-15-2022 | | | |




## 1 SINGLE LINE DIAGRAM – ELECTRICAL

NO SCALE

2021-0232

### MAIN DISTRIBUTION PANEL 'DP1LA'

| Load No. | Description / Location | CIRCUIT BREAKER | Load (VA) | Load Type |
|---|---|---|---|---|
| 1 | PANEL '1LA' | 100/3 | 7,165 | S |
| – | – | – | 7,547 | S |
| – | – | – | 7,366 | S |
| 2 | PANEL '1LB' | 225/3 | 8,120 | S |
| – | – | – | 9,553 | S |
| – | – | – | 9,145 | S |
| 3 | PANEL '1LC' | 100/3 | 8,304 | S |
| – | – | – | 6,361 | S |
| – | – | – | 7,114 | S |
| 4 | PANEL '1LD' | 225/3 | 19,645 | S |
| – | – | – | 18,354 | S |
| – | – | – | 18,029 | S |
| 5 | 50AMP RECEPTACLE | 50/2 | 4,800 | R |
| – | – | – | 4,800 | R |
| 6 | 50AMP RECEPTACLE | 50/2 | 4,800 | R |
| – | – | – | 4,800 | R |
| 7 | 50AMP RECEPTACLE | 50/2 | 4,800 | R |
| – | – | – | 4,800 | R |
| 8 | 50AMP RECEPTACLE | 50/2 | 4,800 | R |
| – | – | – | 4,800 | R |
| 9 | 20AMP RECEPTACLE | 20/1 | 1,920 | R |
| 10 | 20AMP RECEPTACLE | 20/1 | 1,920 | R |
| 11 | 20AMP RECEPTACLE | 20/1 | 1,920 | R |
| 12 | 20AMP RECEPTACLE | 20/1 | 1,920 | R |
| 13 | SPACE | | | |
| 14 | SPACE | | | |
| 11 | SPARE | 225/3 | | |
| – | – | – | | |
| – | – | – | | |
| 12 | SPACE | | | |
| – | – | | | |
| – | – | | | |
| 13 | SPACE | | | |
| – | – | | | |
| – | – | | | |
| 14 | | | | |
| – | | | | |
| – | | | | |

| | | |
|---|---|---|
| Total Connected Load: Ph A | 66,274 VA | 552 Amps |
| Total Connected Load: Ph B | 62,935 VA | 524 Amps |
| Total Connected Load: Ph C | 43,574 VA | 363 Amps |
| Total Connected Load: | 198.8 KVA | 551.9 Amps |
| Total Demand Load: | 146.6 KVA | 406.9 Amps |

### MECHANICAL EQUIPMENT CONNECTION SCHEDULE

| ITEM | DESCRIPTION | LOCATION | VOLTS / PHASE | LOAD | MCA | MOCP | WIRE / CONDUIT | PANEL | NOTES |
|---|---|---|---|---|---|---|---|---|---|
| CF-1 | CEILING FAN | BARN | 120/1 | 0.5 HP | | 20 | 202 | 1LD | |
| CF-2 | CEILING FAN | PAVILION | 120/1 | 30.5 W | | 15 | 202 | 1LB | |
| CF-3 | CEILING FAN | SMALL EVENT | 120/1 | 21.4 W | | 15 | 202 | 1LC | |
| EF-1 | EXHAUST FAN | RESTROOM BUILDING | 120/1 | 1.0 HP | | 30 | 302 | 1LA | |
| EF-2 | EXHAUST FAN | BARN RESTROOM | 120/1 | 0.25 HP | | 15 | 202 | 1LD | |
| EF-3 | EXHAUST FAN | PAVILION RESTROOM | 120/1 | 0.25 HP | | 15 | 202 | 1LB | |
| EF-4 | EXHAUST FAN | ELECTRICAL ROOM | 120/1 | 0.1 HP | | 15 | 202 | ELA | |
| SF-1 | SUPPLY FAN | BARN | 120/1 | 1.0 HP | | 30 | 302 | 1LD | |
| SF-3 | SUPPLY FAN | BARN KITCHEN | 120/1 | 0.5 HP | | 20 | 202 | 1LD | |
| SF-4 | SUPPLY FAN | BARN KITCHEN | 120/1 | 0.5 HP | | 20 | 202 | 1LB | |
| SF-5 | SUPPLY FAN | SMALL EVENT | 120/1 | 0.5 HP | | 20 | 202 | 1LC | |
| SF-6 | SUPPLY FAN | SMALL EVENT | 120/1 | 0.5 HP | | 20 | 202 | 1LC | |
| SF-7 | SUPPLY FAN | SMALL EVENT | 120/1 | 0.5 HP | | 20 | 202 | 1LC | |
| SF-8 | SUPPLY FAN | SMALL EVENT | 120/1 | 0.5 HP | | 20 | 202 | 1LC | |
| CP-1 | CIRCULATING PUMP | BARN/EWH-1 | 120/1 | 0.4 A | | 15 | 202 | 1LD | |
| CP-2 | CIRCULATING PUMP | PAVILION/EWH-2 | 120/1 | 0.4 A | | 15 | 202 | 1LB | |
| CP-3 | CIRCULATING PUMP | RESTROOM/EWH-3 | 120/1 | 0.4 A | | 15 | 202 | 1LA | |
| EWH-1 | ELEC WATER HEATER | BARN BUILDING | 208/3 | 6 KW | | 25 | 303 | 1LD | |
| EWH-2 | ELEC WATER HEATER | PAVILION BUILDING | 208/3 | 6 KW | | 25 | 303 | 1LB | |
| EWH-3 | ELEC WATER HEATER | RESTROOM BUILDING | 208/3 | 5 KW | | 20 | 203 | 1LA | |

GENERAL MECHANICAL EQUIPMENT CONNECTION SCHEDULE NOTES

A. THE ABOVE INFORMATION IS FOR A SPECIFIC MANUFACTURER. ACTUAL MANUFACTURER FOR EQUIPMENT MAY BE DIFFERENT. COORDINATE WITH MECHANICAL EQUIPMENT SUBMITTALS FOR LOADS AND OVER CURRENT PROTECTION REQUIREMENTS PRIOR TO INSTALLATION OF WIRING.

B. MOCP = MAXIMUM OVER CURRENT PROTECTION
MCA = MINIMUM CIRCUIT AMPACITY

C. PROVIDE DISCONNECTING MEANS FOR EACH ITEM OF EQUIPMENT LISTED IN THE SCHEDULE ABOVE, EXCEPT AS SPECIFICALLY NOTED OTHERWISE IN SCHEDULE NOTES, BELOW.

WIRE / CONDUIT SCHEDULE

202 2 #12 CU, 1 #12 CU GND., IN 3/4" C.
203 3 #12 CU, 1 #12 CU GND., IN 3/4" C.
302 2 #10 CU, 1 #10 CU GND., IN 3/4" C.
303 3 #10 CU, 1 #10 CU GND., IN 3/4" C.

Voltage drop calculator

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SINGLE PHASE 120V EVENT CIRCUIT | VOLTAGE 120 | # OF SETS WIRES 1 | WIRE SIZE #2 | AMPACITY 16.00 A | LENGTH 470.00 Feet | VOLTAGE DROP 2.92 | % VOLTAGE DROP 2.43 | 3% TOLERANCE MET? YES |
| 3 PHASE LINE TO LINE 240V EVENT CIRCUIT | VOLTAGE 480 | # OF SETS WIRES 1 | WIRE SIZE #2 | AMPACITY 40.00 A | LENGTH 470.00 Feet | VOLTAGE DROP 6.32 | % VOLTAGE DROP 1.32 | 5% TOLERANCE MET? YES |

## GENERAL SHEET NOTES

A. REFER TO ARCHITECTURAL PLAN A0.1 AND CIVIL PLAN C3.1 FOR ADDITIONAL INFORMATION AND THE COMPLETE UTILITY ROUTING.

B. SOUTHERN CALIFORNIA EDISON (SCE) APPLICATION HAS BEEN SUBMITTED. CONTRACTOR SHALL ASSUME RESPONSIBILITY OF APPLICATION AND COORDINATE DIRECTLY WITH SCE SERVICE PLANNER. CONTRACTOR SHALL INSTALL ALL EQUIPMENT TO COMPLY WITH SCE REQUIREMENTS, WHICH INCLUDES BUT NOT LIMITED TO, THE INSTALLATION OF CONDUITS FROM SCE TO MAIN SWITCHBOARD. IT IS CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL MEETINGS AND INSPECTIONS WITH SCE.

C. METER SOCKETS SHALL BE COMPATIBLE WITH UTILITY METERS.

## SHEET KEYNOTES:

1 COORDINATE EXACT LOCATION OF RECEPTACLE WITH POWER CONNECTION FOR TEMPORARY STAGES AND CONCERT VENUES WITH CIVIL DRAWINGS.

2 SCE REQUIRES METER LOCATION TO BE READILY ACCESSIBLE 24–HOURS A DAY. CUSTOMER SHALL PROVIDE A KEY FOR THE ELECTRICAL ROOM DOOR, TO THE LOCAL SERVICE PLANNING OFFICE PRIOR TO DELIVERY OF SERVICE. THIS KEY IS TO BE HOUSED IN THE LOCK–BOX FOR FUTURE UTILITY ACCESS. REFER TO SCE ELECTRICAL SERVICE REQUIREMENTS DOCUMENT (ESR–5) FOR ADDITIONAL REQUIREMENTS.

3 DISTRIBUTION PANEL 'DP1LA' LOCATED INSIDE ELECTRICAL ROOM IN RESTROOM BUILDING, REFER TO SHEET 1/E3.2.

4 PROVIDE GROUND RODS AND COLD WATER, BUILDING STEEL, CONCRETE FOOTING, AND ICT EQUIPMENT BONDING AS SHOWN ON MAIN BUILDING GROUND BUS BAR SYSTEM. DO NOT INTERCONNECT SEPARATE BUILDINGS GROUND BUSES BACK TO RESTROOM GROUND BUS TO AVOID PARALLEL CURRENT AS MANDATED BY NEC 250.32.

5 PROVIDE 25"X25"X10" NEMA–3R ENCLOSURE MOUNTED OUTSIDE OF ELECTRICAL ROOM WHERE DESIRED BY SCE. ENCLOSURE TO BE USED AS SMART METERING INFRASTRUCTURE.

6 PROVIDE 2"C WITH 500LB PUILL TAPE.FOR THE EXTERIOR TERMINATION, CONDUIT SHALL TERMINATE HORIZONTALLY INSIDE OF NEMA 3R ENCLOSURE AND PROTRUDE 1" OUTWARD FROM EXTERIOR WALL. FOR THE INTERIOR TERMINATION, CONDUIT SHALL TERMINATE HORIZONTALLY ON TOP OF THE METER SECTION AND 6" TO 12" FROM THE FRONT OF THE SECTION. ENSURE THAT CONDUIT DOES NOT ENTER OR PASS THROUGH THE SWITCHGEAR ENCLOSURE.

## FEEDER SCHEDULE

### Key

A, C, S, X — A = Aluminum; C = Conduit only; S = Service secondary; X = Separately derived system

602 — 2 #4 CU, 1 #10 CU GND., IN 1" C.

603 — 3 #4 CU, 1 #10 CU GND., IN 1" C.

802 — 2 #2 CU, 1 #8 CU GND., IN 1" C.

803 — 3 #2 CU, 1 #8 CU GND., IN 1–1/4" C.

1004 — 4 #2 CU, 1 #8 CU GND., IN 1–1/4" C.

2254 — 4 #4/0 kcmil CU, 1 #4 CU GND., IN 2–1/2" C.

600C — TWO 3" DIAMETER EMPTY CONDUIT WITH PULL CORD

REGISTERED PROFESSIONAL ENGINEER THOMAS B. JUN No. E19320 Exp: 12/31/22 ELECTRICAL STATE OF CALIFORNIA

Signed: 8/22/22

100% FINAL CONSTRUCTION DOCUMENTS

| | | | |
|---|---|---|---|
| DESIGNED: IEI<br>CADD AC<br>TECH. REVIEW: TJ<br>DATE: 07–15–2022 | SUB SHEET NO. E4.1 | TITLE OF SHEET: SINGLE LINE DIAGRAM AND SCHEDULE – ELECTRICAL<br>SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | DRAWING NO. 638 182819<br>PMIS/PKG NO. 303051<br>SHEET 175 OF 200 |

## Panel '1LA'

120/208V, 3 Ph., 4 W.; 100A Bus with Main Lug Only Surface Mounted Panelboard

2021-0232

| Ckt. No. | RESTROOM Description / Location | Load (VA) | Type | C.B. A/Pole | Note | Ph. | Note | C.B. A/Pole | Load (VA) | Type | Description / Location | Ckt. No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | RECEPT–101,102,107 | 1,080 | R | 20/1 | | A | | 20/3 | 1,667 | H | EWH–3 | 2 |
| 3 | RECEPT–104,105,106 | 700 | R | 20/1 | | B | | – | 1,667 | H | – | 4 |
| 5 | RECEPT–EXTERIOR | 900 | R | 20/1 | | C | | – | 1,667 | H | – | 6 |
| 7 | WATER FOUNTAIN | 1,440 | R | 20/1 | | A | | 20/1 | 48 | M | CP–3 | 8 |
| 9 | DEDICATED IT RECEPT | 360 | R | 20/1 | | B | | 30/1 | 1,920 | M | EF–1 | 10 |
| 11 | LIGHTING | 1,769 | L | 20/1 | | C | | 20/1 | | | SPARE | 12 |
| 13 | INVERTER 'ELA' | 350 | S | 20/1 | | A | | 20/1 | | | SPARE | 14 |
| 15 | MEN'S HANDDRYER 1 | 1,200 | G | 20/1 | | B | | 20/1 | | | SPARE | 16 |
| 17 | MEN'S HANDDRYER 2 | 1,200 | G | 20/1 | | C | | 20/1 | | | SPARE | 18 |
| 19 | WOMEN'S HANDDRYER 1 | 1,200 | G | 20/1 | | A | | 20/1 | | | SPARE | 20 |
| 21 | WOMEN'S HANDDRYER 2 | 1,200 | G | 20/1 | | B | | 20/1 | | | SPARE | 22 |
| 23 | IRRIGATION PANEL | 1,200 | G | 20/1 | | C | | 20/1 | | | SPARE | 24 |
| 25 | FIRE ALARM CONTROL PANEL | 1,200 | G | 20/1 | | A | | 20/1 | | | SPARE | 26 |
| 27 | SPARE | | | 20/1 | | B | | 20/1 | | | SPARE | 28 |
| 29 | SITE LIGHTING | 130 | L | 20/1 | | C | | 20/1 | | | SPARE | 30 |
| 31 | EXTERIOR SITE RECEPT. | 180 | R | 20/1 | | A | | | | | SPACE | 32 |
| 33 | MEN'S SOAP DISPENSERS | 500 | G | 20/1 | | B | | | | | SPACE | 34 |
| 35 | WOMEN'S SOAP DISPENSERS | 500 | G | 20/1 | | C | | | | | SPACE | 36 |
| 37 | SPACE | | | | | A | | 20/3 | | | SURGE PROTECTION DEVICE | 38 |
| 39 | SPACE | | | | | B | | – | | | – | 40 |
| 41 | SPACE | | | | | C | | – | | | – | 42 |

| | | | | | |
|---|---|---|---|---|---|
| Total Connected Load: Ph. A | 7,165 VA | 60 Amps | Panel Connected Load: | 21.7 KVA | 60.3 Amps |
| Total Connected Load: Ph. B | 7,547 VA | 63 Amps | Sub–Fed Connected Load: | 0.0 KVA | 0.0 Amps |
| Total Connected Load: Ph. C | 7,366 VA | 61 Amps | Total Demand Load: | 22.7 KVA | 63.0 Amps |

## Panel '1LC'

120/208V, 3 Ph., 4 W.; 100A Bus with 100A Main Circuit Breaker Flush Mounted Panelboard

2021-0232

| Ckt. No. | SMALL EVENT Description / Location | Load (VA) | Type | C.B. A/Pole | Note | Ph. | Note | C.B. A/Pole | Load (VA) | Type | Description / Location | Ckt. No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DEDICATED IT RECEPT | 360 | R | 20/1 | | A | | 20/1 | 1,176 | M | SF–5 | 2 |
| 3 | RECEPT–WEST WALL | 720 | R | 20/1 | | B | | 20/1 | 1,176 | M | SF–6 | 4 |
| 5 | RECEPT–EAST WALL | 720 | R | 20/1 | | C | | 20/1 | 1,176 | M | SF–7 | 6 |
| 7 | RECEPT–PROJECTOR | 1,000 | R | 20/1 | | A | | 20/1 | 1,176 | M | SF–8 | 8 |
| 9 | RECEPT–EXTERIOR | 360 | R | 20/1 | | B | | 20/1 | 43 | M | CF–3 | 10 |
| 11 | LIGHTING | 1,526 | L | 20/1 | | C | | 20/1 | | | SPARE | 12 |
| 13 | LIGHTING | 900 | L | 20/1 | | A | | 20/1 | | | SPARE | 14 |
| 15 | INVERTER 'ELC' | 135 | S | 20/1 | | B | | 20/1 | | | SPARE | 16 |
| 17 | MIDDLE–WEST RECEPT. | 540 | R | 20/1 | | C | | 20/1 | | | SPARE | 18 |
| 19 | MIDDLE–EAST RECEPT. | 540 | R | 20/1 | | A | | 20/1 | | | SPARE | 20 |
| 21 | SPARE | | | 20/1 | | B | | 20/1 | | | SPARE | 22 |
| 23 | SPARE | | | 20/1 | | C | | 20/1 | | | SPARE | 24 |
| 25 | SPARE | | | 20/1 | | A | | 20/1 | | | SPARE | 26 |
| 27 | SPARE | | | 20/1 | | B | | 20/1 | | | SPARE | 28 |
| 29 | SPARE | | | 20/1 | | C | | 20/1 | | | SPARE | 30 |
| 31 | SPACE | | | | | A | | 45/3 | 3,512 | M | FUTURE CONDENSING UNIT | 32 |
| 33 | SPACE | | | | | B | | – | 3,512 | M | – | 34 |
| 35 | SPACE | | | | | C | | – | 3,512 | M | – | 36 |
| 37 | SPACE | | | | | A | | 20/3 | | | SURGE PROTECTION DEVICE | 38 |
| 39 | SPACE | | | | | B | | – | | | – | 40 |
| 41 | SPACE | | | | | C | | – | | | – | 42 |

| | | | | | |
|---|---|---|---|---|---|
| Total Connected Load: Ph. A | 8,664 VA | 72 Amps | Panel Connected Load: | 21.9 KVA | 60.9 Amps |
| Total Connected Load: Ph. B | 5,946 VA | 50 Amps | Sub–Fed Connected Load: | 0.0 KVA | 0.0 Amps |
| Total Connected Load: Ph. C | 7,474 VA | 62 Amps | Total Demand Load: | 25.2 KVA | 69.9 Amps |

## Panel '1LB'

120/208V, 3 Ph., 4 W.; 225A Bus with 225A Main Circuit Breaker Flush Mounted Panelboard

2021-0232

| Ckt. No. | PAVILION Description / Location | Load (VA) | Type | C.B. A/Pole | Note | Ph. | Note | C.B. A/Pole | Load (VA) | Type | Description / Location | Ckt. No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | RECEPT–105,106,107,108,SOAP D | 1,080 | R | 20/1 | | A | | 20/1 | 244 | M | CF–2 | 2 |
| 3 | WATER FOUNTAIN | 720 | R | 20/1 | | B | | 20/1 | 1,176 | M | SF–4 | 4 |
| 5 | DEDICATED IT RECEPT | 360 | R | 20/1 | | C | | 20/1 | 744 | M | CP–2,EF–3 | 6 |
| 7 | RECEPT–103,104 | 720 | R | 20/1 | | A | | 30/3 | 2,000 | WH | EWH–2 | 8 |
| 9 | RECEPT–103,104 | 540 | R | 20/1 | | B | | – | 2,000 | WH | – | 10 |
| 11 | REFRIGERATOR | 1,200 | R | 20/1 | | C | | – | 2,000 | WH | – | 12 |
| 13 | ICE MAKER | 600 | R | 20/1 | | A | | 20/1 | | | SPARE | 14 |
| 15 | RECEPT–WEST INTERIOR PAV | 1,080 | R | 20/1 | | B | | 20/1 | | | SPARE | 16 |
| 17 | RECEPT–EAST INTERIOR PAV | 900 | R | 20/1 | | C | | 20/1 | | | SPARE | 18 |
| 19 | RECEPT–EXTERIOR | 1,080 | R | 20/1 | | A | | 20/1 | | | SPARE | 20 |
| 21 | RECEPT–PROJECTOR | 1,000 | R | 20/1 | | B | | 20/1 | | | SPARE | 22 |
| 23 | LIGHTING – PAVILION WALLS | 1,188 | L | 20/1 | | C | | 20/1 | | | SPARE | 24 |
| 25 | LIGHTING – PAVILION CEILING | 1,016 | L | 20/1 | | A | | 20/1 | | | SPARE | 26 |
| 27 | INVERTER 'ELB' | 1,100 | S | 20/1 | | B | | 20/1 | | | SPARE | 28 |
| 29 | MEN'S HANDDRYER. | 1,200 | G | 20/1 | | C | | 20/1 | | | SPARE | 30 |
| 31 | WOMEN'S HANDDRYER | 1,200 | G | 20/1 | | A | | 20/1 | | | SPARE | 32 |
| 33 | NOTIFICATION APPLIACE CIRCUIT | 384 | G | 20/1 | | B | | 25/2 | 1,373 | M | FUTURE CONDENSING UNIT | 34 |
| 35 | MIDDLE–WEST RECEPT. | 180 | R | 20/1 | | C | | – | 1,373 | M | – | 36 |
| 37 | MIDDLE–EAST RECEPT. | 180 | R | 20/1 | | A | | 30/3 | | | SURGE PROTECTION DEVICE | 38 |
| 39 | OUTDOOR RECEPT. | 180 | R | 20/1 | | B | | – | | | – | 40 |
| 41 | SPACE | | | | | C | | – | | | – | 42 |

| | | | | | |
|---|---|---|---|---|---|
| Total Connected Load: Ph. A | 8,120 VA | 68 Amps | Panel Connected Load: | 25.7 KVA | 71.4 Amps |
| Total Connected Load: Ph. B | 9,553 VA | 80 Amps | Sub–Fed Connected Load: | 0.0 KVA | 0.0 Amps |
| Total Connected Load: Ph. C | 9,145 VA | 76 Amps | Total Demand Load: | 28.5 KVA | 79.0 Amps |

## Panel '1LD'

120/208V, 3 Ph., 4 W.; 225A Bus with 225A Main Circuit Breaker Flush Mounted Panelboard

2021-0232

| Ckt. No. | BARN Description / Location | Load (VA) | Type | C.B. A/Pole | Note | Ph. | Note | C.B. A/Pole | Load (VA) | Type | Description / Location | Ckt. No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | RECEPT–105,106,107,108,SOAP D. | 1,080 | R | 20/1 | | A | | 20/1 | 1,176 | M | CF–1a | 2 |
| 3 | WATER FOUNTAIN | 720 | R | 20/1 | | B | | 20/1 | 1,176 | M | CF–1b | 4 |
| 5 | DEDICATED INSIDE IT CABINET | 360 | R | 20/1 | | C | | 20/1 | 1,176 | M | CF–1c | 6 |
| 7 | RECEPT–103,104 | 720 | R | 20/1 | | A | | 30/1 | 1,920 | M | SF–1 | 8 |
| 9 | RECEPT–103,104 | 540 | R | 20/1 | | B | | 20/1 | 1,176 | M | SF–3 | 10 |
| 11 | REFRIGERATOR | 1,200 | R | 20/1 | | C | | 20/1 | 744 | M | CP–1,EF–2 | 12 |
| 13 | ICE MAKER | 1,200 | R | 15/1 | | A | | 30/3 | 2,000 | WH | EWH–1 | 14 |
| 15 | RECEPT–WEST WALL BARN | 900 | R | 20/1 | | B | | – | 2,000 | WH | – | 16 |
| 17 | RECEPT–EAST WALL BARN | 900 | R | 20/1 | | C | | – | 2,000 | WH | – | 18 |
| 19 | RECEPT–EXTERIOR/ROOF | 720 | R | 20/1 | | A | | 20/1 | 720 | R | EAST–SOUTH RECEPT. | 20 |
| 21 | PROJECTOR AND SCREEN | 657 | R | 20/1 | | B | | 20/1 | 1,080 | R | FLOOR RECEPT | 22 |
| 23 | PROJECTOR AND SCREEN | 657 | R | 20/1 | | C | | 20/1 | 720 | R | WEST–SOUTH RECEPT. | 24 |
| 25 | PROJECTOR AND SCREEN | 657 | R | 20/1 | | A | | 20/1 | | | SPARE | 26 |
| 27 | LIGHTING – BARN WALLS | 1,799 | L | 20/1 | | B | | 20/1 | | | SPARE | 28 |
| 29 | LIGHTING – SOUTH CEILING | 1,900 | L | 20/1 | | C | | 20/1 | | | SPARE | 30 |
| 31 | LIGHTING – TRACK LIGHTS | 360 | L | 20/1 | | A | | 20/1 | | | SPACE | 32 |
| 33 | INVERTER 'ELD' | 663 | S | 20/1 | | B | | | | | SPACE | 34 |
| 35 | MEN'S HANDDRYER. | 1,200 | G | 20/1 | | C | | | | | SPACE | 36 |
| 37 | WOMEN'S HANDDRYER | 1,200 | G | 20/1 | | A | | | | | SPACE | 38 |
| 39 | NOTIFICATION APPLIACE CIRCUIT | 384 | G | 20/1 | | B | | | | | SPACE | 40 |
| 41 | SPARE | | | 20/1 | | C | | | | | SPACE | 42 |
| 43 | SPARE | | | 20/1 | | A | | 50/3 | 4,126 | M | FUTURE CONDENSING UNIT | 44 |
| 45 | SPARE | | | 20/1 | | B | | – | 4,126 | M | | 46 |
| 47 | SPARE | | | 20/1 | | C | | – | 4,126 | M | | 48 |
| 49 | SPACE | | | | | A | | 50/3 | 4,126 | M | FUTURE CONDENSING UNIT | 50 |
| 51 | SPACE | | | | | B | | – | 4,126 | M | | 52 |
| 53 | SPACE | | | | | C | | – | 4,126 | M | | 54 |
| 55 | SPACE | | | | | A | | 30/3 | | | SURGE PROTECTION DEVICE | 56 |
| 57 | SPACE | | | | | B | | – | | | – | 58 |
| 59 | SPACE | | | | | C | | – | | | – | 60 |

| | | | | | |
|---|---|---|---|---|---|
| Total Connected Load: Ph. A | 20,005 VA | ### Amps | Panel Connected Load: | 57.8 KVA | 160.4 Amps |
| Total Connected Load: Ph. B | 19,347 VA | ### Amps | Sub–Fed Connected Load: | 0.0 KVA | 0.0 Amps |
| Total Connected Load: Ph. C | 19,109 VA | ### Amps | Total Demand Load: | 62.0 KVA | 172.1 Amps |

## Inverter 'ELA'

120V, 1Ph., 2W.; 350VA

2021-0232

| Ckt. No. | Description / Location | Load (VA) | Type | C.B. A/Pole | Note | Ph. | |
|---|---|---|---|---|---|---|---|
| 1 | RESTROOM EMERGENCY LIGHTING | 105 | L | 20/1 | | A | Notes: |
| 2 | EF–4 | 150 | M | 20/1 | | A | 1. |
| 3 | SPARE | | | 20/1 | | A | 2. |
| 4 | SPACE | | | | | A | |

| | | | | | |
|---|---|---|---|---|---|
| Total Connected Load: Ph. A | 255 VA | 2 Amps | Panel Connected Load: | 0.3 KVA | 0.7 Amps |
| | | | Sub–Fed Connected Load: | 0.0 KVA | 0.0 Amps |
| | | | Total Demand Load: | 0.3 KVA | 0.9 Amps |

## Inverter 'ELC'

120V, 1Ph., 2W.; 175VA

2021-0232

| Ckt. No. | Description / Location | Load (VA) | Type | C.B. A/Pole | Note | Ph. | |
|---|---|---|---|---|---|---|---|
| 1 | EVENT ROOM EMERGENCY LIGHTING | 135 | L | 20/1 | | A | Notes: |
| 2 | SPARE | | | 20/1 | | A | 1. |
| 3 | SPARE | | | 20/1 | | A | 2. |
| 4 | SPACE | | | | | A | |

| | | | | | |
|---|---|---|---|---|---|
| Total Connected Load: Ph. A | 135 VA | 1 Amps | Panel Connected Load: | 0.1 KVA | 0.4 Amps |
| | | | Sub–Fed Connected Load: | 0.0 KVA | 0.0 Amps |
| | | | Total Demand Load: | 0.2 KVA | 0.5 Amps |

## Inverter 'ELB'

120V, 1Ph., 2W.; 1.1KVA

2021-0232

| Ckt. No. | Description / Location | Load (VA) | Type | C.B. A/Pole | Note | Ph. | |
|---|---|---|---|---|---|---|---|
| 1 | PAVILION EMERGENCY LIGHTING | 512 | L | 20/1 | | A | Notes: |
| 2 | SPARE | | | 20/1 | | A | 1. |
| 3 | SPARE | | | 20/1 | | A | 2. |
| 4 | SPACE | | | | | A | |

| | | | | | |
|---|---|---|---|---|---|
| Total Connected Load: Ph. A | 512 VA | 4 Amps | Panel Connected Load: | 0.5 KVA | 1.4 Amps |
| | | | Sub–Fed Connected Load: | 0.0 KVA | 0.0 Amps |
| | | | Total Demand Load: | 0.6 KVA | 1.8 Amps |

## Inverter 'ELD'

120V, 1Ph., 2W.; 750VA

2021-0232

| Ckt. No. | Description / Location | Load (VA) | Type | C.B. A/Pole | Note | Ph. | |
|---|---|---|---|---|---|---|---|
| 1 | BARN EMERGENCY LIGHTING | 663 | L | 20/1 | | A | Notes: |
| 2 | SPARE | | | 20/1 | | A | 1. |
| 3 | SPARE | | | 20/1 | | A | 2. |
| 4 | SPACE | | | | | A | |

| | | | | | |
|---|---|---|---|---|---|
| Total Connected Load: Ph. A | 663 VA | 6 Amps | Panel Connected Load: | 0.7 KVA | 1.8 Amps |
| | | | Sub–Fed Connected Load: | 0.0 KVA | 0.0 Amps |
| | | | Total Demand Load: | 0.8 KVA | 2.3 Amps |

REGISTERED PROFESSIONAL ENGINEER
THOMAS B. JUN
No. E19320
Exp: 12/31/22
ELECTRICAL
STATE OF CALIFORNIA
Signed: 8/19/22

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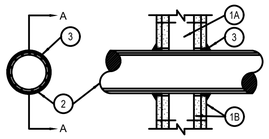
| | | | |
|---|---|---|---|
| DESIGNED: IEI<br>CADD: AC<br>TECH. REVIEW: TJ<br>DATE: 07–15–2022 | SUB SHEET NO.<br>E5.1 | TITLE OF SHEET<br>PANEL SCHEDULES – ELECTRICAL<br>SAMO REBUILD PARAMOUNT RANCH<br>AGOURA HILLS, CALIFORNIA | DRAWING NO. 638 182819<br>PMIS/PKG NO. 303051<br>SHEET 176 OF 200 |

SYSTEM NO. WL1001

F RATINGS – 1,2,3, AND 4 HR (SEE ITEMS 2 AND 3)
T RATINGS – 0,1,2,3,AND 4 HR (SEE ITEM 3)
L–RATING AT AMBIENT = LESS THAN 1CFM/SQFT
L–RATING AT 400 DEGREES FAHRENHEIT = 4 CFM/SQFT




SECTION A–A

| MAX PIPE OR CONDUIT DIAM, IN. | ANNULAR SPACE IN. | F RATING, HR. | T RATING, HR. |
|---|---|---|---|
| 1 | 0 TO 3/16 | 1 OR 2 | 0+, 1 OR 2 |
| 1 | 1/4 TO 1/2 | 3 OR 4 | 3 OR 4 |
| 4 | 0 TO 1/4 | 1 OR 2 | 0 |
| 6 | 1/4 TO 1/2 | 3 OR 4 | 0 |
| 12 | 3/16 TO 3/8 | 1 OR 2 | 0 |

+ WHEN COPPER PIPE IS USED, T RATING IS 0 HR.
MINNESOTA MINING & MFG. CO. CAULK MATERIAL AND ASSEMBLY SHALL BE APPROVED BY OSHPD FIRE MARSHAL.

✱ BEARING THE UL CLASSIFICATION MARKING

1. WALL ASSEMBLY – THE 1, 2, 3 OR 4 HR FIRE–RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

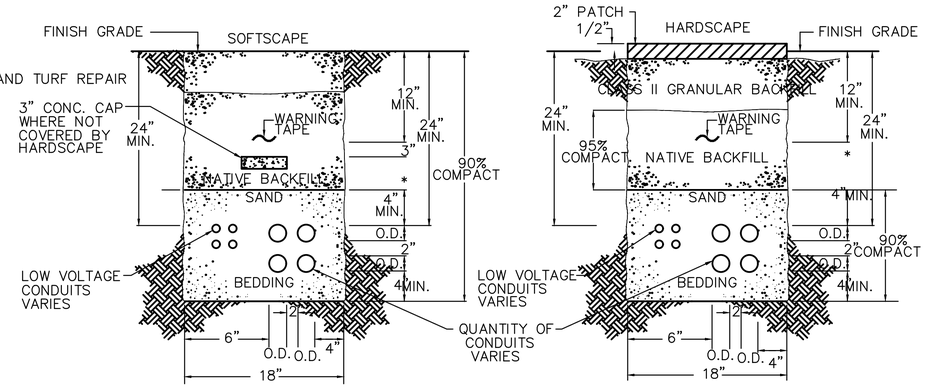
   A. STUDS – WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX. 2HR FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM. 2 BY 4 IN. LUMBER SPACED 16 IN. OC WITH NOM. 2 BY 4 IN. LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN. 3–5/8 IN. WIDE BY 1–3/8 IN. DEEP CHANNELS SPACED MAX. 24 IN. OC.

   B. WALLBOARD, GYPSUM – NOM. 1/2 OR 5/8 IN. THICK, 4 FT. WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 13–1/2 IN.

2. PIPE OR CONDUIT – NOM 12 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE, NOM 6 IN. DIAM (OR SMALLER) STEEL CONDUIT, NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR TYPE L OR (OR HEAVIER) COPPER TUBING OR NOM 1 IN. DIAM (OR SMALLER) FLEXIBLE STEEL CONDUIT. WHEN COPPER PIPE OR FLEXIBLE STEEL CONDUIT IS USED, MAX F RATING OF FIRESTOP SYSTEM (ITEM 3) IS 2 HR. STEEL PIPES OR CONDUITS LARGER THAN NOM 4 IN. DIAM MAY ONLY BE USED IN WALLS CONSTRUCTED USING STEEL CHANNEL STUDS. A MAX OF ONE PIPE OR CONDUIT IS PERMITTED IN THE FIRESTOP SYSTEM. PIPE OR CONDUIT TO BE INSTALLED NEAR CENTER OF STUD CAVITY WIDTH AND TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY.

3. FILL, VOID OR CAVITY MATERIAL – CAULK – CAULK FILL MATERIAL INSTALLED TO COMPLETELY FILL ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND GYPSUM WALLBOARD AND WITH A MIN 1/4 IN. DIAM BEAD OF CAULK APPLIED TO PERIMETER OF PIPE OR CONDUIT AT ITS EGRESS FROM THE WALL. CAULK INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL ASSEMBLY. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

1 / E6.1 ONE–HOUR FIRE–RATED PARTITION CONDUIT PENETRATION DETAIL
NO SCALE



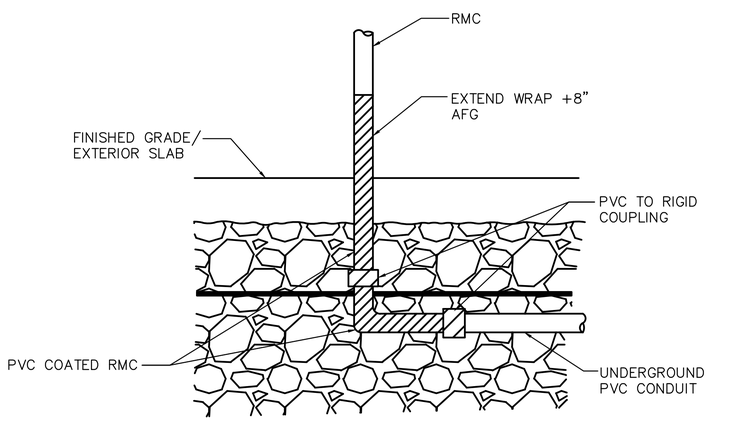

MINIMUM CLEARANCE REQUIREMENTS (INCHES)

| | PC | SC | G | TEL | TV | LV | W |
|---|---|---|---|---|---|---|---|
| PRIMARY CONDUIT (601V–22KV) (PC) | – | 6 | 36 | 36 | 36 | 36 | 36 |
| SECONDARY POWER CONDUIT (0–600V) (SC) | 6 | – | 12 | 12 | 12 | 12 | 36 |
| GAS (G) | 36 | 12 | – | 12 | 12 | 12 | 36 |
| TELEPHONE (TEL) | 36 | 12 | 12 | – | 2 | 2 | 36 |
| CATV (TV) | 36 | 12 | 12 | 2 | – | 2 | 36 |
| OTHER LOW VOLTAGE (LV) | 36 | 12 | 12 | 2 | 2 | – | 36 |
| WET UTILITES (W) | 36 | 36 | 36 | 36 | 36 | 36 | – |

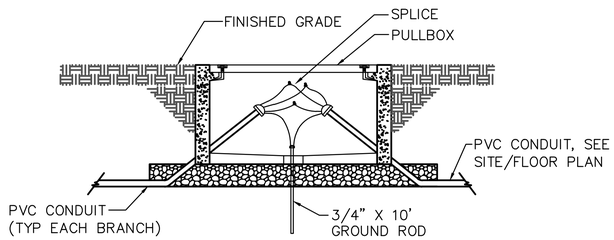
TABLE ONLY APPLIES TO CONDUITS AFTER THE UTILITY POINT OF CONNECTION.

NOTES:
1. SHOWN AS REFERENCE ONLY. REFER TO CIVIL DRAWINGS FOR TRENCHING REQUIREMENTS.
2. ALL TRENCHES MUST CONFORM TO O.S.H.A. REQUIREMENTS.
3 PROVIDE 12" SEPARATION WHEN CROSSING "WET" UTILITIES. IF SEPARATION CANNOT BE CONTAINED ENCASE IN CONCRETE.
4 CRUSHED GRAVEL MATERIAL REQUIRES 95% COMPACTION MINIMUM.
✱ OPTIONAL AREA – CAN BE FILLED WITH EITHER CRUSHED GRAVEL OR SAND BEDDING MATERIAL.

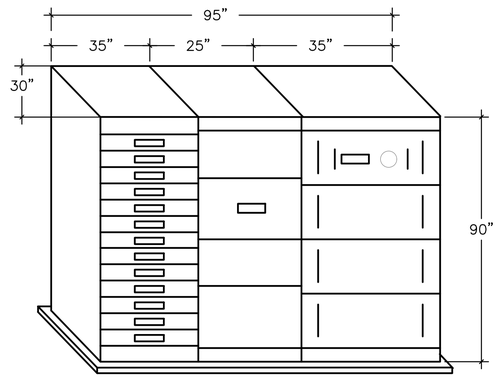
4 / E6.1 UTILITY CONDUITS TRENCHING
NO SCALE




2 / E6.1 CONDUIT TRANSITION DETAIL
NO SCALE




3 / E6.1 UNDERGROUND PULLBOX DETAIL
NO SCALE




ALL DIMENSIONS AND DETAILS SHOWN FOR REFERENCE ONLY

5 / E6.1 MAIN SWITCHBOARD PAD DETAIL
NO SCALE

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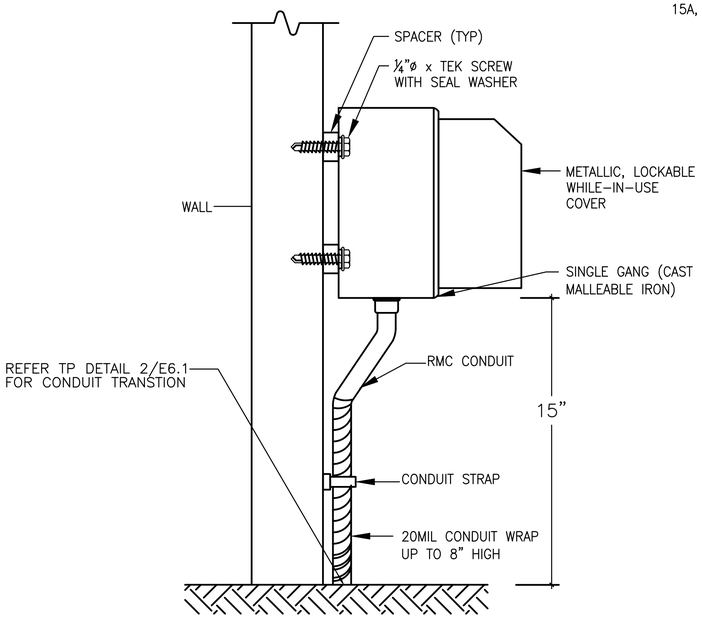
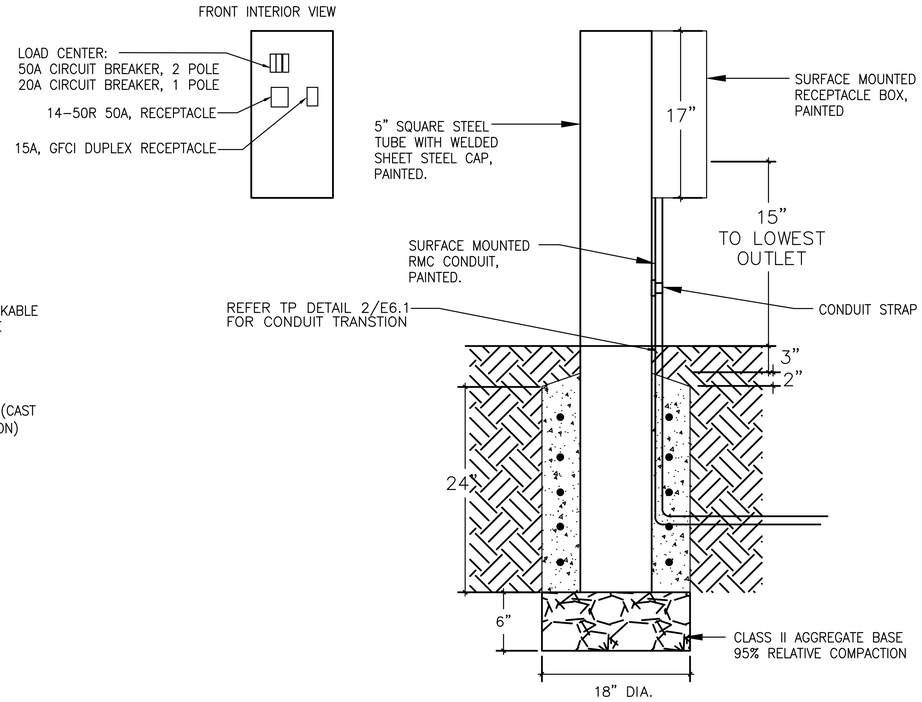
| DESIGNED: IEI<br>CADD: AC<br>TECH. REVIEW: TJ<br>DATE: 07–15–2022 | SUB SHEET NO. E6.1 | TITLE OF SHEET: DIAGRAMS – ELECTRICAL<br>SAMO REBUILD PARAMOUNT RANCH<br>AGOURA HILLS, CALIFORNIA | DRAWING NO. 638 / 182819<br>PMIS/PKG NO. 303051<br>SHEET 177 OF 200 |




1 E6.2 OUTDOOR RECEPTACLE DETAIL

NO SCALE

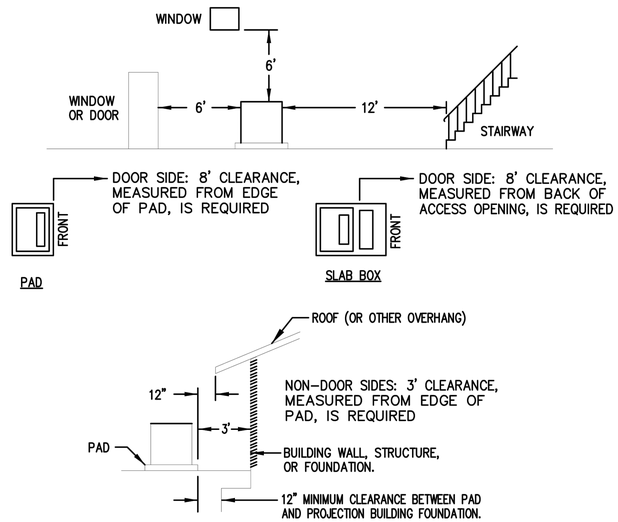



NOTE:
1. EARTH BURIAL POST
2. BASIS OF DESIGN EQUIPMENT GENERAL ELECTRIC NEMA-3R PEDESTAL GE-1-M-U-2-5-E-S-G

2 E6.2 PEDESTAL RECEPTACLE DETAIL

NO SCALE

## MINIMUM CLEARANCES FOR PADMOUNTED TRANSFORMERS SEE DDS-3, 3-40




NOTES:

1. AN 8' MINIMUM CLEARANCE IS REQUIRED ON DOOR SIDE OF TRANSFORMER FOR OPERATION. THIS AREA MUST REMAIN CLEAR OF ALL OBSTRUCTIONS INCLUDING, BUT NOT LIMITED TO, SHRUBS, TREES, GATES, FENCES, WALLS, SIGNS AND POLES.
2. PAD-MOUNTED TRANSFORMERS SHALL NOT BE LOCATED IN FRONT OF DOORS, STAIRWAYS, BENEATH WINDOWS THAT CAN BE OPENED, OR WHERE THEY WILL OBSTRUCT THE VISION OF VEHICULAR TRAFFIC
3. PAD-MOUNTED TRANSFORMERS SHALL BE LOCATED AT LEAST THE MINIMUM DISTANCE AWAY FROM BUILDINGS OR OTHER STRUCTURES TO ENSURE ADEQUATE SPACE FOR OPERATING, TO MINIMIZE VIBRATION HUMS, AND TO MEET FIRE SAFETY REQUIRMENTS.
4. A CLEAR PASSAGEWAY OF 12 FEET MINIMUM SHALL BE AVAILABLE AT ALL TIMES, IMMEDIATELY ADJACENT TO ONE SIDE OF THE TRANSFORMER TO PROVIDE AN ACCESSIBLE ROADWAY FOR TRANSFORMER MAINTENANCE. THIS PASSAGEWAY SHALL BE DESIGNED TO MEET H-20 (20-TON) CONSTRUCTION.
5. TRANSFORMER STRUCTURES WILL NORMALLY BE INSTALLED ONLY IN NONTRAFFIC AREAS. TRANSFORMER PROTECTION IS REQUIRED WHEN COMPANY EQUIPMENT IS EXPOSED TO TRAFFIC. THIS PROTECTION MAY BE IN THE FORM OF BARRIERS, BARRICADES, OR CURB. A CURB MUST HAVE A MINIMUM HEIGHT OF 6 INCHES AND BE AT LEAST 6 INCHES THICK AND ITS FRONT FACE LOCATED 60 INCHES MINIMUM FROM THE EQUIPMENT FOUNDATION.

D54: Rev. 05/14/12

3 E6.2 SCE TRANSFORMER CLEARANCE DETAIL

NO SCALE

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|---|---|---|---|
| IEI | | DIAGRAMS - ELECTRICAL | 638 / 182819 |
| CADD: AC | E6.2 | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: TJ | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 178 OF 200 |
| DATE: 07-15-2022 | | | |

FILE: E6.2.DWG – E6.2 | EDIT: 8/15/2022 5:18 PM BY ADRIANEC | PLOT: 8/17/2022 2:47 PM BY ADRIANE CABLING

# TECHNOLOGY SYMBOL LIST

## ABBREVIATIONS

| | |
|---|---|
| (E) | EXISTING |
| (F) | FUTURE |
| (N) | NEW |
| (X) | DEMOLISH |
| AFF | ABOVE FINISHED FLOOR |
| ALS | ASSISTED LISTENING SYSTEM |
| AV | AUDIO VISUAL |
| CAT | CATEGORY CABLE |
| CATV | CABLE ANTENNA TELEVISION |
| CCTV | CLOSED CIRCUIT TELEVISION |
| CFCI | CONTRACTOR FURNISHED CONTRACTOR INSTALLED |
| CFOI | CONTRACTOR FURNISHED OWNER INSTALLED |
| COAX | COAXIAL |
| COM | COMMUNICATION |
| EF | ENTRANCE FACILITY |
| ER | EQUIPMENT ROOM |
| FDU | FIBER OPTIC DISTRIBUTION UNIT |
| FT | FOOT, FEET |
| GND | GROUND |
| HH | HANDHOLE |
| ICT | INFORMATION AND COMMUNICATIONS TECHNOLOGY |
| IN | INCH, INCHES |
| ISP | INSIDE PLANT |
| IT | INFORMATION TECHNOLOGY |
| LAN | LOCAL AREA NETWORK |
| LC | FIBER OPTIC CONNECTOR |
| LV | LOW VOLTAGE |
| MATV | MASTER ANTENNA TELEVISION |
| MH | MAINTENANCE HOLE |
| MTR | MAIN TELECOMMUNICATIONS ROOM |
| NTS | NOT TO SCALE |
| OFCI | OWNER FURNISHED, CONTRACTOR INSTALLED |
| OFOI | OWNER FURNISHED, OWNER INSTALLED |
| OSP | OUTSIDE PLANT |
| PBB | PRIMARY BUSBAR |
| PTZ | PAN, TILT, ZOOM |
| QTY | QUANTITY |
| RU | RACK UNIT |
| SATV | SATELLITE ANTENNA TELEVISION |
| SBB | SECONDARY BUSBAR |
| SBC | SECONDARY BONDING CONDUCTOR |
| SC | FIBER OPTIC CONNECTOR |
| TBB | TELECOMMUNICATIONS BONDING BACKBONE |
| TBC | TELECOMMUNICATIONS BONDING CONDUCTOR |
| TEBC | TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR |
| TR | TELECOMMUNICATIONS ROOM |
| TYP | TYPICAL |
| UON | UNLESS OTHERWISE NOTED |
| UPS | UNINTERRUPTABLE POWER SUPPLY |
| WAN | WIDE AREA NETWORK |
| WAP | WIRELESS ACCESS POINT |
| WIFI | WIRELESS FIDELITY |
| WP | WEATHERPROOF |

## EQUIPMENT

WALL MOUNT CABINET

RECESSED TELECOM ENCLOSURE

PRIMARY BUSBAR (PBB) 2"W X 6"L X .25"D

## RACEWAYS

CONDUIT AND CONDUCTORS ABOVE GRADE

CONDUIT AND CONDUCTORS BELOW GRADE OR SLAB

CONDUIT DOWN

CONDUIT SLEEVE

CONDUIT UP

CONDUIT/WIRING CONTINUATION

T — TELECOMMUNICATIONS VAULT IN OUTSIDE PLANT (OSP)

TELEPHONE / UTILITY POLE

## REFERENCE SYMBOLS

1 / XXX — DETAIL NUMBER AND SHEET LOCATION

1 — KEYED NOTES

A / XXX — SECTION NUMBER AND SHEET LOCATION

### Audio Visual

AV — AUDIO–VISUAL OUTLET. PROVIDE DEVICE IN WALL BOX WITH SINGLE–GANG ADAPTER RING AND 1.25" CONDUIT TO PROJECTOR. REFERENCE AV EQUIPMENT SCHEDULE.

S — SURFACE MOUNTED AUDIO REINFORCEMENT SPEAKER ON WALL WITH 1" CONDUIT AND CABLING PER SPECIFICATION

CEILING MOUNT PROJECTOR

PROJECTION SCREEN

## SECURITY

270 — PAN, TILT, ZOOM VIDEO SURVEILLANCE CAMERA WITH ONE, CATEGORY 6A CABLE. PROVIDE 5S BOX WITH SINGLE GANG ADAPTER RING AND 1.25" CONDUIT

ACP — SECURITY CONTROL PANEL

MD — CEILING MOUNTED MOTION DETECTOR

DC — DOOR POSITION SWITCH CONTACT

K — WALL MOUNTED KEYPAD

## TELECOMMUNICATIONS

STANDARD COMMUNICATIONS OUTLET WITH TWO, CATEGORY 6A CABLES. PROVIDE 5S BOX WITH SINGLE GANG ADAPTER RING AND 1.25" CONDUIT HOME RUN TO IDF

WAP — CEILING MOUNTED WIRELESS ACCESS POINT WITH TWO, CATEGORY 6A CABLES. PROVIDE 5S BOX WITH SINGLE GANG ADAPTER RING AND 1.25" CONDUIT HOMERUN TO IDF.

## SHEET INDEX


| | |
|---|---|
| T0.1 | TECHNOLOGY SYMBOL LIST |
| T0.2 | GENERAL AV AND SECURITY NOTES |
| T0.3 | GENERAL TELECOMMUNICATIONS NOTES |
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| T1.1 | SITE PLAN SECTION A – TECHNOLOGY |
| T1.2 | SITE PLAN SECTION B – TECHNOLOGY |
| T1.3 | SITE PLAN SECTION C – TECHNOLOGY |
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| T4.1 | DETAILS – TECHNOLOGY |
| T4.2 | DETAILS – TECHNOLOGY |
| T4.3 | DETAILS – TECHNOLOGY |
| T4.4 | DETAILS – TECHNOLOGY |
| T4.5 | DETAILS – TECHNOLOGY |
| T4.6 | DETAILS – TECHNOLOGY |
| T4.7 | DETAILS – TECHNOLOGY |
| T4.8 | DETAILS – TECHNOLOGY |


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Signed: 7/26/22

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| | | | |
|---|---|---|---|
| DESIGNED: IEI<br>CADD: BH<br>TECH. REVIEW: GM<br>DATE: 07–15–2022 | SUB SHEET NO. T0.1 | TITLE OF SHEET: TECHNOLOGY SYMBOL LIST<br>SAMO REBUILD PARAMOUNT RANCH<br>AGOURA HILLS, CALIFORNIA | DRAWING NO. 638 182819<br>PMIS/PKG NO. 303051<br>SHEET 179 OF 200 |

## GENERAL AUDIO VISUAL NOTES

A. CONTRACTOR IS RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH THE ENTIRE AREA OF WORK PRIOR TO COMMENCING WORK IN THAT AREA, INCLUDING ADJACENT AREAS AND OTHER EQUIPMENT, COMPONENTS, OR SYSTEMS TO BE INSTALLED. BRING DISCREPANCIES TO THE ATTENTION OF THE CONTRACTING OFFICER PRIOR TO COMMENCEMENT OF THE WORK.

B. COORDINATE THE WORK TO SUPPORT THE AV CABLING INFRASTRUCTURE AND DEVICES, INCLUDING, BUT NOT LIMITED TO, POWER, CEILING COMPONENTS, MILLWORK, PATHWAYS, RACEWAYS, SLEEVES, CONDUITS, CABLE TRAYS, SUPPORT SYSTEMS, BACKBOARDS, ETC.

C. PROVIDE ALL WORK NECESSARY TO SUPPORT THE AUDIOVISUAL SYSTEMS, INCLUDING CONDUIT RUNS AND PATHWAYS, FLOOR BOXES, CUT–IN BOXES, JUNCTION BOXES, CONDUIT STUB–UPS, ELECTRICAL POWER OUTLETS.

D. MATCH ALL FACEPLATE FINISHES TO ELECTRICAL OUTLET FACEPLATE FINISH, OR AS DIRECTED BY THE ARCHITECT.

E. CABLES, FACEPLATES, AND PATCH PANELS SHALL BE LABELED AT BOTH ENDS USING A MACHINE GENERATED LABEL (PANDUIT, BRADY OR EQUAL). NO HAND WRITTEN LABELS SHALL BE PERMITTED.

F. THE DRAWINGS AND SPECIFICATIONS ARE COMPLIMENTARY. COMPLY WITH THE REQUIREMENTS OF BOTH. WHERE DRAWINGS AND SPECIFICATIONS ARE IN CONFLICT, REQUEST CLARIFICATION FROM THE CONTRACTING OFFICER IN WRITING.

G. WHERE INSTALLATION METHODS AND REQUIREMENTS ARE NOT IDENTIFIED IN THE ABOVE REFERENCED CODES, STANDARDS AND PRACTICES, OR IN THE CONTRACT DOCUMENTS, COMPLY WITH THE RECOMMENDATIONS AND METHODS OF THE FOLLOWING REFERENCES:

H. BICSI.TELECOMMUNICATIONS DISTRIBUTION METHODS MANUAL (TDMM), 14TH EDITION, 2020.

I. BICSI. INFORMATION TECHNOLOGY SYSTEMS INSTALLATION METHODS MANUAL, 7TH EDITION, 2017.

J. BICSI. OUTSIDE PLANT DESIGN REFERENCE MANUAL, 6TH EDITION, 2018.

K. ALL NETWORK–RELATED CATEGORY CABLING ASSOCIATED WITH THIS SCOPE IS SHOWN ON THE TELECOMMUNICATIONS DRAWINGS AND SHALL BE PROVIDED BY CONTRACTOR.

L. WHERE COMPONENTS AND EQUIPMENT REQUIRED FOR THE AV SYSTEM ARE NOT INDICATED AS PORTABLE, SECURE COMPONENTS AND EQUIPMENT IN PLACE AS RECOMMENDED OR INDICATED BY THE MANUFACTURER AND REQUIRED BY ALL RELEVANT CODES. PROVIDE STRUCTURAL CALCULATIONS FOR ATTACHMENTS AND FASTENINGS IF REQUIRED.

## ARCHITECTURAL AND INTERIOR COORDINATIONS

A. VERIFY AND COORDINATE DEVICE SIZES, DIMENSIONS AND LOCATIONS WITH ARCHITECTURAL, ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS.

B. WHERE CONFLICTS BETWEEN AUDIO VISUAL, ELECTRICAL AND INTERIOR DRAWINGS OCCUR, ARCHITECTURAL DRAWINGS TAKE PRECEDENCE, EXCEPT IN THE CASE OF CONFLICTS WITH OPTICAL PROJECTION DEVICES, IN THE CASE OF CONFLICTS WITH OPTICAL PROJECTION DEVICES, BRING SUCH CONFLICT TO THE ATTENTION OF THE CONTRACTING OFFICER PRIOR TO PROCEEDING WITH CONSTRUCTION OR FABRICATION.

## ELECTRICAL REQUIREMENT FOR AV NOTES

A. VERIFY AND COORDINATE SIZES, DIMENSIONS AND LOCATIONS OF AV ELECTRICAL DEVICES WITH ARCHITECTURAL, ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS.

B. AUDIO VISUAL EQUIPMENT SHOWN ON THESE PLANS IS SPECIFIED UNDER DIVISION 27, SECTION 274000. THROUGH 275100 AND IS NOT INCLUDED IN WORK COVERED BY DIVISION 26 SPECIFICATIONS. COORDINATE WORK BETWEEN DIVISION 27 AND DIVISION 26 WORKS.

C. WHERE EXACT DIMENSIONS ARE CALLED FOR, THE REFERENCE FOR THE MEASUREMENT SHALL BE THE FINISHED FLOOR FOR ALL VERTICAL MEASUREMENTS, THE FINISHED WALL FOR HORIZONTAL MEASUREMENTS, AND THE COLUMN LINE FOR FLOOR DEVICES.

D. WHERE POWER, COMMUNICATION, AND AV LOW VOLTAGE ELECTRICAL BOXES AND DEVICES ARE GROUPED TOGETHER AT THE SAME LOCATION, MOUNT THE BOXES AS CLOSE TOGETHER AS PHYSICALLY POSSIBLE, WHILE LEAVING SUFFICIENT SPACE FOR THE COVER PLATES.

E. EMPTY CONDUIT RUNS SHOWN ON THESE DRAWINGS OR ON OTHER DRAWINGS FOR USE IN CONNECTING THE AUDIO VISUAL EQUIPMENT SHALL BE CLEANED, DEBURED, TAPED, LABELED AT BOTH ENDS AND AT PULL AND JUNCTION BOXES, AND PROVIDED WITH A PULL STRING.

F. PROVIDE A PULLBOX IN THE RUN FOR EACH RUN IN EXCESS OF 100 FEET OR WHERE THE NUMBER OF BENDS EXCEEDS TWO OR WHERE THERE ARE MORE THAN 180 DEGREES OF DIRECTIONAL CHANGE.

G. ALL CONDUITS SHALL BE 1.25" EMT UNLESS OTHERWISE NOTED, CONDUIT SIZE ARE GIVEN BASED ON THE USE OF EMT. WHERE FLEXIBLE CONDUITS IS USED, INCREASE THE CONDUIT SIZE BY ONE TRADE SIZE (I.E., USE 1.50" FLEXIBLE CONDUIT AS A SUBSTITUTE FOR 1.25" EMT).

## GENERAL SECURITY NOTES

A. THE LOCAL GENERAL CONTRACTOR (GC) BE RESPONSIBLE FOR CONDUIT RACEWAYS, BACK VOXES AND TO PROVIDE AND INSTALL NECESSARY DOOR LOCKING HARDWARE (ELECTRICAL OR OTHER) ELECTRICAL LOOKING HARDWARE TO BE INSTALLED TO THE INSIDE JAMB AND TESTED. ON SITE, GENERAL CONTRACTOR (GC) TO PROVIDE IP CAMERA SYSTEMS, REX DEVICES, CARD READERS, AND INSTALLATION LABOR, INCLUDING FINAL CONNECTIONS, PROGRAMMING AND TESTING.

B. SECURITY CABLING SHALL BE COMPLETED BY THE GENERAL CONTRACTOR DESIGNATED VENDOR, THE CABLE SHALL BE INSTALLED FROM THE SECURITY CONTROL PANEL TO THE DOOR THAT IT SERVICES. THERE SHALL BE APPROPRIATE SERVICE LOOP AT EACH END TO REACH THE FIELD DEVICES, THE CONDUIT REQUIREMENTS ARE ILLUSTRATED BELOW FOR VARIOUS DOOR TYPES.

C. THE NETWORK CABLE FOR THE VIDEO CAMERAS IS TO BE TERMINATED AND TESTED PRIOR TO THE INSTALLATION OF THE CAMERAS. THE HORIZONTAL CABLING SHALL BE TERMINATED AT THE TELECOM ROOM TO THE PATCH PANEL AND LABELED.

D. THE FIELD END SHALL TERMINATE ON A 8P8C RJ45 OUTLET MOUNTED IN A SINGLE GANG SURFACE MOUNT BLOCK AND BE LABELED IN THE SAME MANNER AS THE PATCH PANEL. A 10–FEET PATCH CORD SHALL BE INSTALLED, AND CONNECTED TO THE NETWORK OUTLET PROVIDED, TO ALLOW FOR THE EXACT PLACEMENT OF THE CAMERA DEVICES.

E. DOOR HARDWARE AND WIRING TO THE HINGES IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

F. WHERE NEW EQUIPMENT IS REQUIRED: 24 VOLT FAIL SAFE ELECTRIFIED MORTISE LOCK DEVICE, BRAND TO – MEET SITE HARDWARE SPECIFICATIONS (GENERAL CONTRACTOR SUPPLIED AND INSTALLED). POWER TRANSFER HINGE BE UTILIZED (GENERAL CONTRACTOR SUPPLIED AND – INSTALLED), WIRING FROM THE ELECTRIFIED MORTISE LOCK DEVICE TO BE TIED – INTO THE FIRE SYSTEM TO RELEASE ON FIRE ALARM, THE GENERAL CONTRACTOR ENSURE THE FIRE VENDOR PROVIDES A FIRE ALARM RELAY WITHIN THREE FEET OF THE SECURITY PANELS IN THE MDF CLOSET WHERE THE ACCESS CONTROL SYSTEM POWER SUPPLIES ARE LOCATED. NOTE: MORE THAN ONE FACP RELAY MAY BE REQUIRED IF THERE ARE MULTIPLE LOCATIONS (GENERAL CONTRACTOR SUPPLIED AND INSTALLED), DOOR STATUS SWITCH BE A REQUEST TO EXIT BUTTON – REQUEST TO EXIT MOTION DETECTORS.

G. DOORS THAT REQUIRE A MAGNETIC LOCK: 24 VOLT DC SINGLE OR DOUBLE (AS REQUIRED) MAGNETIC LOCK – 1200 LBS HOLDING FORCE (AS REQUIRED) MAGNETIC LOCK WITH BONDING SENSOR (DPS), IF THE DOOR SHALL ACCOMODATE A FLUSH OR HARDWARE FINISH. PATHWAYS TO BE PROVIDED BY ELECTRICAL CONTRACTOR TO THESE DEVICES. NOTE THE CABLE REQUIREMENTS OF THESE DEVICES ON THE DRAWINGS, (SECURITY CONTRACTOR IS TO SUPPLY, INSTALL AND TERMINATE THE FIELD DEVICES). MAG LOCKS BE TIED INTO THE FIRE SYSTEM ALARM RELAY WITHIN THREE FEET OF THE SECURITY PANELS IN THE IDF/MDF CLOSET WHERE THE ACCESS CONTROL POWER SUPPLIES ARE LOCATED. NOTE: MORE THAN ONE FACP RELAY MAY BE REQUIRED IF THERE ARE MULTIPLE LOCATIONS.

H. ACCESS CONTROL SYSTEM & EQUIPMENT SHALL BE INSTALLED, UTILIZING OWNER IT NETWORK INFRASTRUCTURE STANDARDS, THE ACCESS CONTROL SYSTEMS SHALL BE INSTALLED IN THE TELECOM ROOM ON A PLYWOOD SHEET UTILIZING A CHASE FOR WIRE MANAGEMENT PER DRAWINGS, THE IP INFORMATION IS TO BE PROVIDED TO THE SECURITY CONTRACTOR BY OWNER.

I. VIDEO CAMERAS SHALL BE CONNECTED TO RACK MOUNTED NETWORK SWITCHES IN THE TELECOM ROOM AND PROVIDED BY THE SECURITY CONTRACTOR, NETWORK SWITCHES SHALL BE CONNECTED TO THE VIDEO SURVEILLANCE SYSTEM NETWORK VIDEO SERVER IN THE MDF. VIDEO SURVEILLANCE SYSTEM SERVER SHALL BE CONNECTED TO THE OWNER IT NETWORK.

J. CONDUIT FOR DOOR CONTACT DEVICES SHALL BE 3/4" EMT CONDUIT.

K. CONDUIT FOR POWER TRANSFER HINGE SHALL BE 1/2" EMT CONDUIT.

L. CONDUIT FOR SECURITY CAMERA SHALL BE 1.25" EMT CONDUIT.

M. THE SYSTEM SHALL UTILIZE CARD READERS, BADGES SHALL BE COORDINATED. ALL ACCESS CONTROL SYSTEM CABLES TO BE PLENUM RATED.

N. DOOR DETAILS ARE TYPICAL FOR CONDUIT AND BACK BOX EMT REQUIREMENTS, REFER TO FLOOR PLANS FOR ACTUAL DEVICE LOCATION AT EACH DOOR.

O. ALL JUNCTION BOXES SHALL BE MOUNTED ON THE PROTECTED SIDE OF THE DOOR.

P. WHERE NO FINISHED CEILING EXISTS, JUNCTION BOXES OVER DOORS SHALL BE PLACED AT LEAST NINE INCHES FROM BOTTOM OF BOX TO TOP OF DOOR AS SPACE PERMITS, BOX COVER TO BE ACCESSIBLE, COORDINATE LOCATION WITH OTHER TRADES.

Q. RECESSED CONTACTS SHALL BE INSTALLED WITHIN SIX INCHES FROM LATCH SIDE OF DOOR. HANDBOX SHALL BE CENTERED ON CONTACT LOCATION. WIRING FOR DEVICES ON DOUBLE DOORS SHALL BE RUN THROUGH HOLLOW METAL FRAMES.

R. THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL NECESSARY DOOR LOCKING HARDWARE WHICH IS TO BE INSTALLED TO THE INSIDE JAMB AND TESTED. SECURITY CONTRACTOR TO COORDINATE AS REQUIRED.

S. FOR INSTALLATION OF ELECTROMAGNETIC LOCKS, ELECTRIFIED MORTISE LOCKS AND ELECTRICAL STRIKES, FOLLOW MANUFACTURER'S INSTRUCTIONS.

T. SECURITY DEVICES SHALL BE MOUNTED ON BACKBOXES, AS SHOWN IN INSTALLATION DETAILS. UNLESS OTHERWISE NOTED, CONDUITS, PULL STRINGS, BACKBOXES AND BUSHINGS SHALL BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

U. SECURITY CONTRACTOR SHALL COORDINATE FINAL QUANTITIES, LOCATIONS AND STYLES WITH ELECTRICAL CONTRACTOR AND ARCHITECT.

V. PANEL COUNTS AND CONNECTIONS ARE FOR REFERENCE ONLY. CONFIRM ALL COUNTS AND PANEL LAYOUT BASED ON DEVICE COUNTS.

W. SECURITY CABLING SHALL BE COMPLETED BY THE SECURITY CONTRACTOR UNLESS OTHERWISE NOTED, CABLE SHALL BE INSTALLED FROM THE TELECOM ROOM TO THE DOOR THAT IT SERVICES WITH AN APPROPRIATE SERVICE LOOP AT EACH END TO REACH FIELD DEVICES.

X. NETWORK CABLE FOR VIDEO CAMERAS IS TO BE TERMINATED AND TESTED PRIOR TO THE INSTALLATION OF CAMERAS, HORIZONTAL CABLING SHALL BE TERMINATED AT THE TELECOM ROOM TO THE PATCH PANEL AND LABELED AS "CAM#" THAT CORRELATES TO THE CAMERA NUMBER IDENTIFIED ON THE SECURITY DRAWINGS.

Y. THE FIELD END OF NETWORK CABLE FOR VIDEO CAMERAS SHALL TERMINATE TO A SMB AND LABELED IN THE SAME MANNER AS THE PATCH PANEL. A 10' PATCH CORD SHALL BE INSTALLED IN THE OUTLET TO ALLOW EXACT PLACEMENT OF THE CAMERAS.

Z. SECURITY SYSTEMS AND EQUIPMENT SHALL BE INSTALLED UTILIZING OWNER IT NETWORK INFRASTRUCTURE STANDARDS. IP INFORMATION IS TO BE PROVIDED TO THE SECURITY CONTRACTOR BY THE OWNER AND/OR THE IT STAFF.

BB. VIDEO CAMERAS SHALL BE CONNECTED TO SECURITY CONTRACTOR PROVIDED RACK MOUNTED NETWORK SWITCHES IN TELECOM ROOMS. NETWORK SWITCHES SHALL BE CONNECTED TO THE VIDEO SURVEILLANCE SYSTEM SERVER IN THE MDF, VIDEO SURVEILLANCE SYSTEM SERVER SHALL BE CONNECTED TO THE OWNER IT NETWORK.

100% FINAL CONSTRUCTION DOCUMENTS

REGISTERED PROFESSIONAL ENGINEER THOMAS B. JUN No. E19320 Exp 12/31/22 ELECTRICAL STATE OF CALIFORNIA
Signed: 7/26/22

| DESIGNED: | SUB SHEET NO. | TITLE OF SHEET | DRAWING NO. |
|---|---|---|---|
| IEI | T0.2 | GENERAL AV AND SECURITY NOTES | 638 / 182819 |
| CADD: BH | | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: GM | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 180 OF 200 |
| DATE: 15–07–2022 | | | |

# GENERAL TELECOMMUNICATIONS NOTES

A. THE CONTRACTOR RESPONSIBLE FOR ALL OF THE WORK DESCRIBED IN THESE CONTRACT DRAWINGS AND SPECIFICATIONS SHALL BE REFERRED TO THROUGHOUT THESE DOCUMENTS AS THE "CONTRACTOR".

B. THE CONTRACTOR SHALL ADHERE TO ALL BUILDING RULES AND REGULATIONS.

C. THESE COMMUNICATIONS DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE COMMUNICATIONS SPECIFICATIONS DOCUMENT, SHOULD THERE BE ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, THE CONTRACTOR SHALL BRING IT TO THE IMMEDIATE ATTENTION OF THE CONTRACTING OFFICER.

D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING ANY DISCREPANCIES BETWEEN THESE CONTRACT DRAWINGS AND ACTUAL FIELD CONDITIONS, ANY DISCREPANCIES ARE TO BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER.

E. ALL CONDUITS AND SLEEVES DESIGNATED FOR COMMUNICATIONS USE, WHETHER THEY ARE UTILIZED BY THE CONTRACTOR OR NOT, SHALL BE FIRE STOPPED.

F. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH OTHER TRADES AND DRAWINGS. FURTHERMORE, THE CONTRACTOR SHALL COORDINATE THE SEQUENCE OF WORK WITH THE CONTRACTING OFFICER.

G. BACKBOXES, CONDUITS, STUB–UPS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.

H. THE ENTIRE CABLE PLANT SHALL BE TESTED AS OUTLINED IN THE SPECIFICATIONS.

I. REFER TO THE SPECIFICATIONS FOR ADDITIONAL ABBREVIATIONS AND ACRONYMS.

J. THE CONTRACTOR SHALL PROVIDE ALL CABLE, HARDWARE AND EQUIPMENT SHOWN ON THESE DRAWINGS EXCEPT WHERE OTHERWISE NOTED.

K. CONTRACTOR TO COORDINATE WITH SECURITY DRAWINGS, CIVIL AND SITE PLANS FOR CABLING DISTRIBUTION TO SITE PLAN CCTV CAMERAS, AND OTHER ELEMENTS.

L. USE PULLBOXES WHEREVER THE BENDS IN A CONDUIT RUN EXCEED 180–DEGREES.

M. TELECOMMUNICATION CONTRACTOR SHALL COMPLY WITH ZONE 4 SEISMIC REQUIREMENTS FOR ALL EQUIPMENT RACKS, CABLE TRAYS, AND ANY OTHER EQUIPMENT THAT REQUIRES BRACING OR STRUCTURAL SUPPORT. COORDINATE WITH STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT.

N. COORDINATE WITH BMS CONTRACTOR FOR DATA REQUIREMENTS ON ROOF OR MECHANICAL ROOMS. DATA LOCATIONS, IF ANY, ARE TO RUN BACK TO THE NEAREST TELECOM ROOM AS SHOWN ON THE ZONES ON THE TELECOM FLOOR PLANS.

O. ALL CONDUIT SHALL BE 1.25" ELECTROMETALLIC TUBING (EMT) AND HOME RUN TO IDF.

P. ALL NETWORK CABLING IS CATEGORY 6A, CMP AND INSTALLED IN CONDUIT FOR ENTIRE PATHWAY FROM TELECOM RACK TO OUTLET..

PULL BOX SIZING REQUIREMENT

| MAXIMUM CONDUIT SIZE | BOX SIZE WIDTH | BOX SIZE LENGTH | BOX SIZE DEPTH | ADD LENGTH TO BOX SIZE FOR EACH ADDITIONAL CONDUIT |
|---|---|---|---|---|
| 1.25" | 8" | 24" | 4" | 4" |
| 1.5" | 8" | 24" | 4" | 4" |
| 2" | 8" | 32" | 4" | 5" |
| 4" | 15" | 64" | 8" | 8" |

* FOR ISP, PULL BOXES SHOULD BE PLACED EVERY 100 FEET. THERE SHALL BE NO MORE THAN 180–DEGREES OF BENDS BETWEEN ACCESSIBLE PULL POINTS.

* FOR OSP, PULL BOXES SHOULD BE PLACED EVERY 300 FEET. THERE SHALL BE NO MORE THAN 180–DEGREES OF BENDS BETWEEN ACCESSIBLE PULL POINTS.

CONDUIT BEND RADIUSES

| INTERNAL DIAMETER | MINIMUM BEND RADIUS |
|---|---|
| 2" OR LESS | 6 TIMES THE INTERNAL CONDUIT DIAMETER |
| 2.5" OR MORE | 10 TIMES THE INTERNAL CONDUIT DIAMETER |

CONDUIT REQUIREMENT CABLE FILL*

| CONDUIT TRADE SIZE | CONDUIT AREA (SQ IN) | *40% FILL BASED ON DIAMETER OF CABLES | | |
|---|---|---|---|---|
| | | .250" | .265" | .275" |
| 1.25" | 1.5" | 4 | 4 | 4 |
| 2" | 3.36" | 27 | 24 | 22 |
| 3" | 7.39" | 72 | 64 | 59 |
| 4" | 12.73" | 120 | 106 | 99 |

* INDUSTRY STANDARD AND NEC CODES IS TO DESIGN FOR A MAXIMUM OF 40% FILL. THE ACTUAL NUMBER OF CABLES WHICH CAN BE INSTALLED IN A PARTICULAR CONDUIT CAN BE SLIGHTLY MORE OR SIGNIFICANTLY LESS DEPENDING UPON FOLLOWING:

1. ALL CABLES MUST BE PULLED AT THE SAME TIME ACHIEVE THE GREATER FILL RATIOS.

REGISTERED PROFESSIONAL ENGINEER
THOMAS B. JUN
No. E19320
Exp. 12/31/22
ELECTRICAL
STATE OF CALIFORNIA
Signed: 7/26/22

100% FINAL CONSTRUCTION DOCUMENTS

| DESIGNED: | SUB SHEET NO. | TITLE OF SHEET | DRAWING NO. |
|---|---|---|---|
| IEI | T0.3 | GENERAL TECHNOLOGY NOTES | 638 / 182819 |
| CADD: BH | | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: GM | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 181 OF 200 |
| DATE: 07–15–2022 | | | |

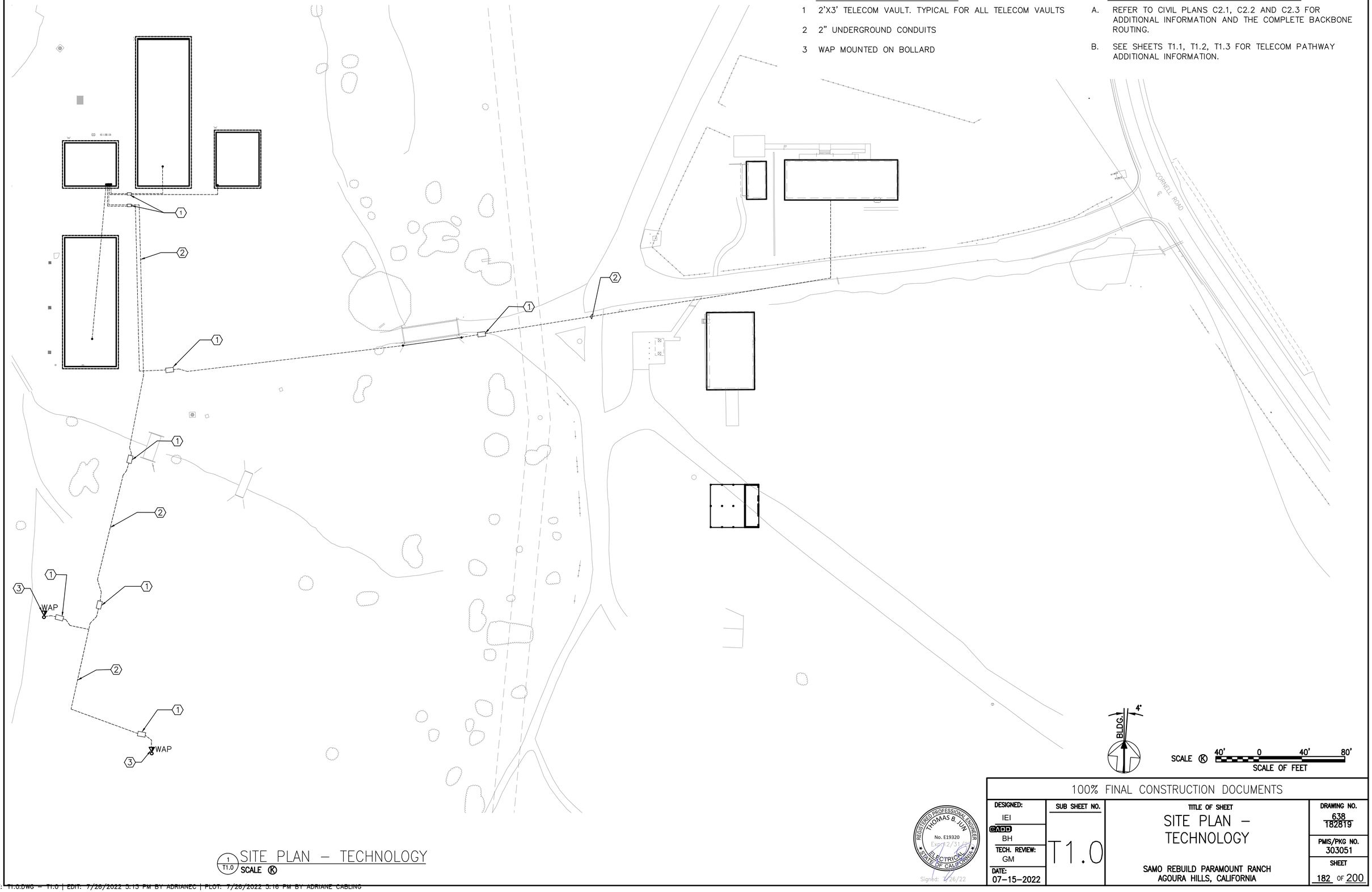
## SHEET KEYNOTES

1. 2'X3' TELECOM VAULT. TYPICAL FOR ALL TELECOM VAULTS
2. 2" UNDERGROUND CONDUITS
3. WAP MOUNTED ON BOLLARD

## GENERAL SHEET NOTES

A. REFER TO CIVIL PLANS C2.1, C2.2 AND C2.3 FOR ADDITIONAL INFORMATION AND THE COMPLETE BACKBONE ROUTING.

B. SEE SHEETS T1.1, T1.2, T1.3 FOR TELECOM PATHWAY ADDITIONAL INFORMATION.




SCALE Ⓚ 40' 0 40' 80'
SCALE OF FEET

1 T1.0 SCALE Ⓚ SITE PLAN – TECHNOLOGY

REGISTERED PROFESSIONAL ENGINEER
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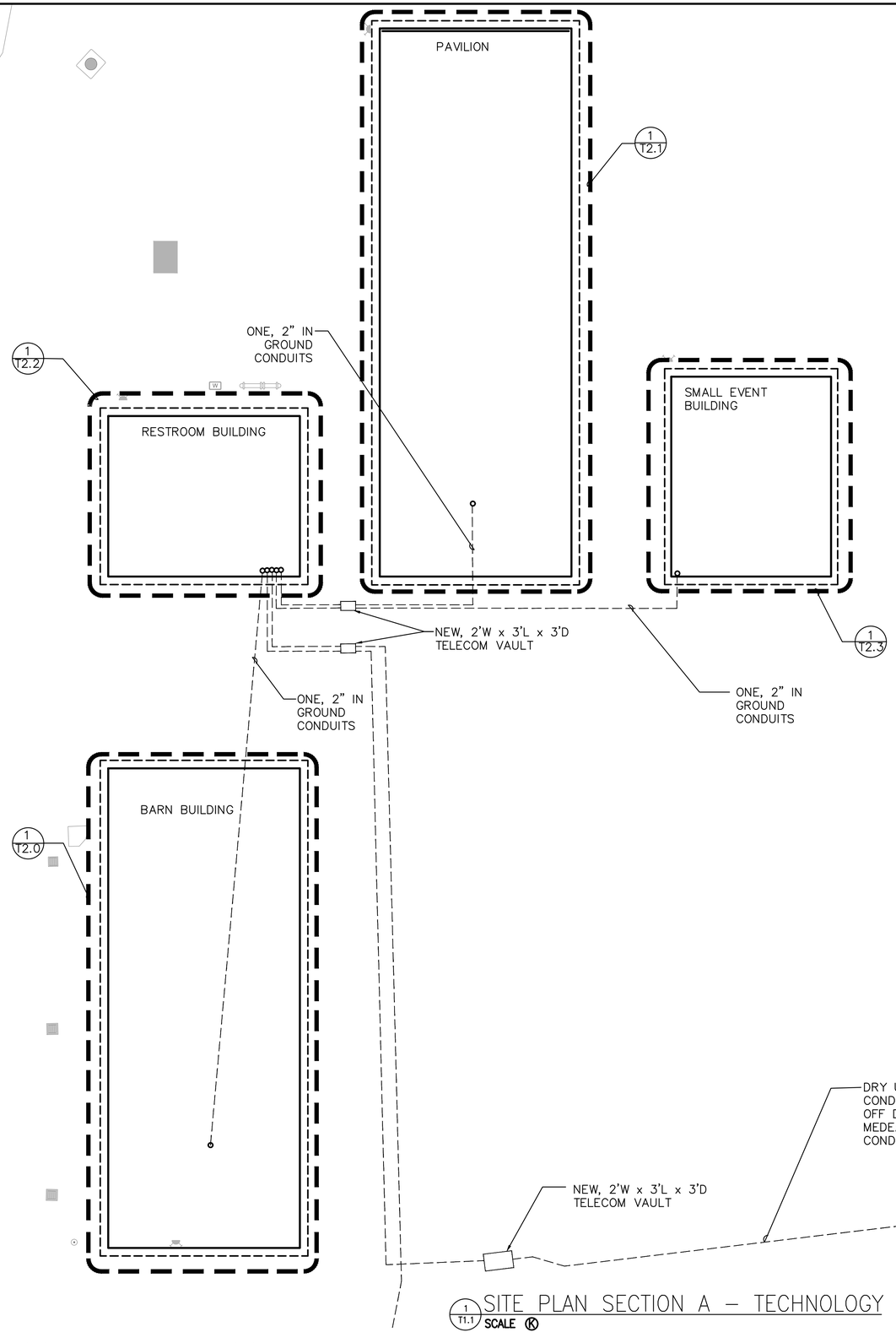
| IEI | T1.0 | SITE PLAN – TECHNOLOGY | 638 182819 |
| CADD: BH | | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: GM | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 182 OF 200 |
| DATE: 07-15-2022 | | | |




## GENERAL SHEET NOTES

A. REFER TO CIVIL PLANS C2.1, C2.2 AND C2.3 FOR ADDITIONAL INFORMATION AND THE COMPLETE BACKBONE ROUTING.

1 / T1.1 SITE PLAN SECTION A – TECHNOLOGY
SCALE Ⓚ

SCALE Ⓚ 16 0 16 32
SCALE OF FEET

REGISTERED PROFESSIONAL ENGINEER
THOMAS B. JUN
No. E19320
Exp. 12/31/22
ELECTRICAL
STATE OF CALIFORNIA
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100% FINAL CONSTRUCTION DOCUMENTS

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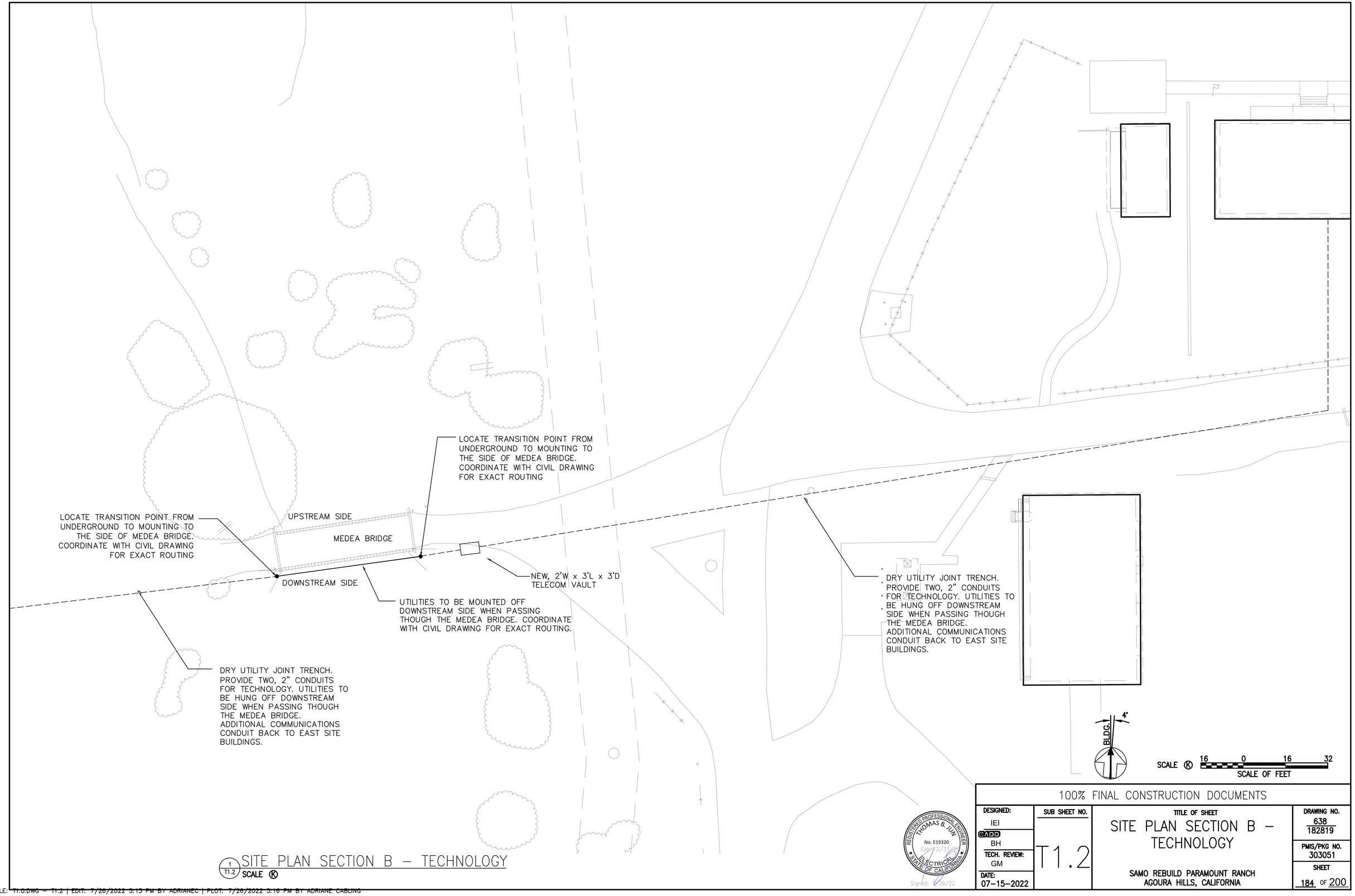
|---|---|---|---|
| IEI | T1.1 | SITE PLAN SECTION A – TECHNOLOGY | 638 / 182819 |
| CADD: BH | | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: GM | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 183 OF 200 |
| DATE: 07-15-2022 | | | |




1 / T1.2 SITE PLAN SECTION B – TECHNOLOGY

SCALE Ⓚ

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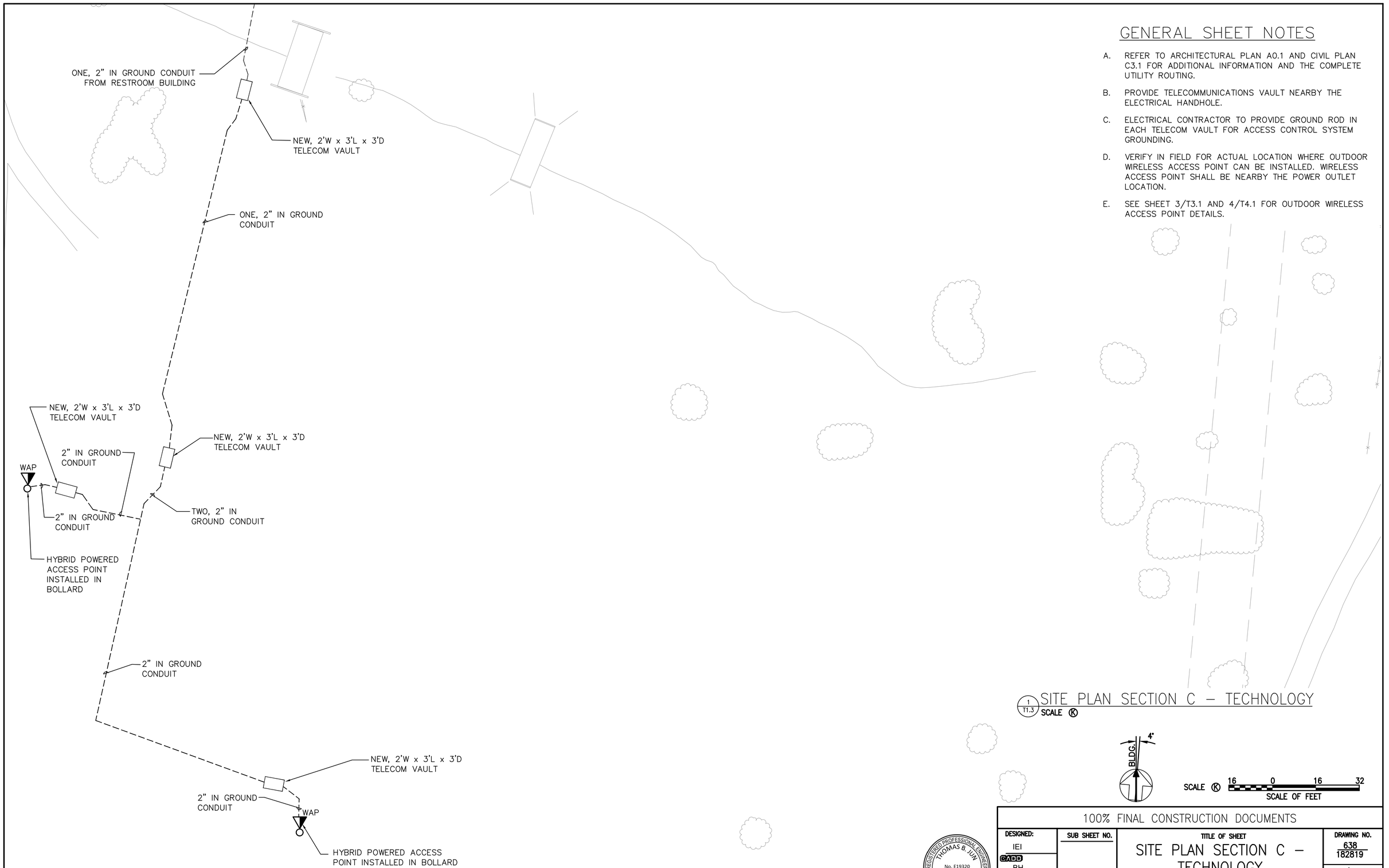
Signed: 7/26/22

| DESIGNED: | SUB SHEET NO. | TITLE OF SHEET | DRAWING NO. |
|---|---|---|---|
| IEI | T1.2 | SITE PLAN SECTION B – TECHNOLOGY | 638 / 182819 |
| CADD: BH | | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: GM | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 184 OF 200 |
| DATE: 07-15-2022 | | | |




## GENERAL SHEET NOTES

A. REFER TO ARCHITECTURAL PLAN A0.1 AND CIVIL PLAN C3.1 FOR ADDITIONAL INFORMATION AND THE COMPLETE UTILITY ROUTING.

B. PROVIDE TELECOMMUNICATIONS VAULT NEARBY THE ELECTRICAL HANDHOLE.

C. ELECTRICAL CONTRACTOR TO PROVIDE GROUND ROD IN EACH TELECOM VAULT FOR ACCESS CONTROL SYSTEM GROUNDING.

D. VERIFY IN FIELD FOR ACTUAL LOCATION WHERE OUTDOOR WIRELESS ACCESS POINT CAN BE INSTALLED. WIRELESS ACCESS POINT SHALL BE NEARBY THE POWER OUTLET LOCATION.

E. SEE SHEET 3/T3.1 AND 4/T4.1 FOR OUTDOOR WIRELESS ACCESS POINT DETAILS.

1/T1.3 SITE PLAN SECTION C – TECHNOLOGY
SCALE Ⓚ

BLDG. 4"

SCALE Ⓚ 16 0 16 32
SCALE OF FEET

100% FINAL CONSTRUCTION DOCUMENTS

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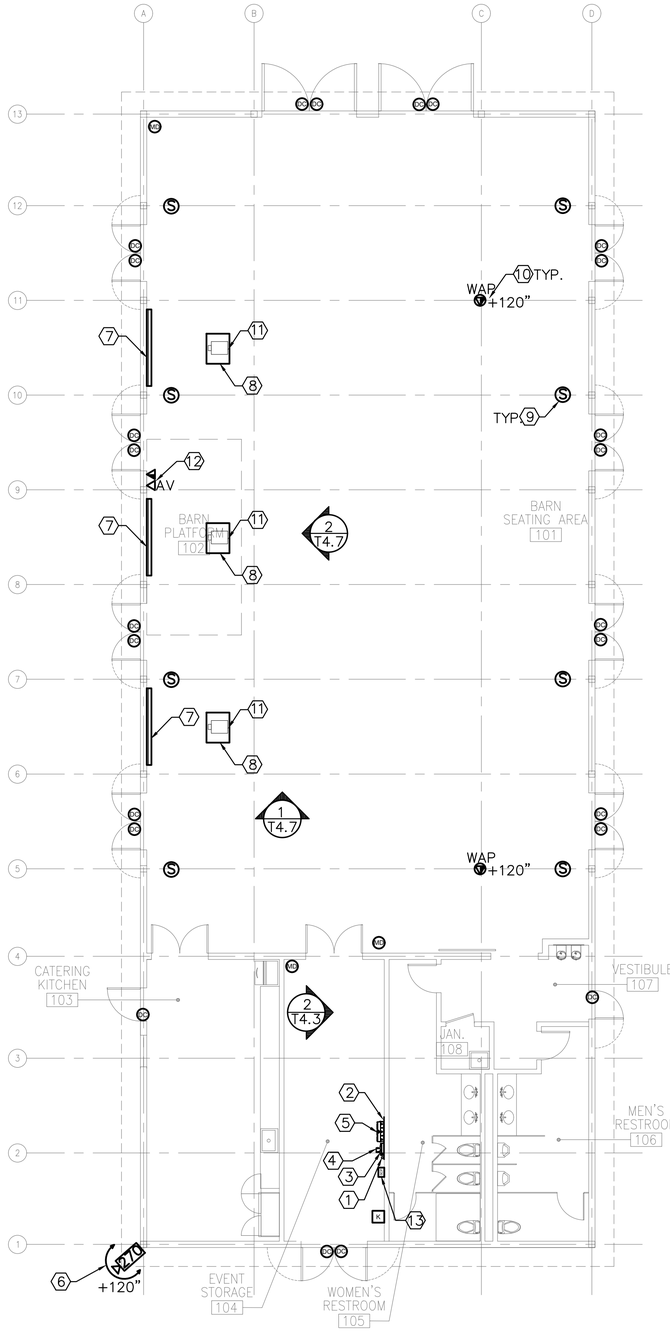
| DESIGNED: | SUB SHEET NO. | TITLE OF SHEET | DRAWING NO. |
|---|---|---|---|
| IEI | T1.3 | SITE PLAN SECTION C – TECHNOLOGY | 638 / 182819 |
| CADD: BH | | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: GM | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 185 OF 200 |
| DATE: 07–15–2022 | | | |




1 T2.0 BARN FIRST FLOOR PLAN – TECHNOLOGY

SCALE: Ⓚ

## GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF LOW VOLTAGE DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.

## SHEET KEYNOTES

1 2" IN GROUND CONDUIT STUB FROM ELECTRICAL/TELECOM 104 IN RESTROOM BUILDING.

2 3/4" FIRE–RATED PLYWOOD BACKBOARD.

3 25–PAIR LIGHTNING PROTECTOR BLOCK.

4 6" LONG GROUND BUS BAR.

5 TRIPPLITE WALL MOUNT ENCLOSURE. PART# SRWF4U. OVERALL DIMENSION: 29.5"HX26.8"WX8.5"D. WEIGHT 44.1 LB. LOAD CAPACITY 150 LB. SEE 2/T4.3 FOR DETAIL.

6 WALL MOUNT 270–DEGREE SECURITY CAMERA. SEE 7/T4.4 FOR DETAIL.

7 PROJECTOR SCREEN. DRAPER INC 94" DIAGONAL ELECTRIC SCREEN. SEE 5/T4.5 FOR DETAIL.

8 CEILING MOUNT PROJECTOR. PANASONIC PT–MZ670U. WEIGHT: 37.3 LBS.

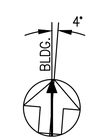
9 SURFACE MOUNT SPEAKER MOUNTED ON FACE OFF WOOD STRUCTURE. SPEAKER IS FACING DOWN. SEE 4/T4.5 FOR DETAIL.

10 CEILING ACCESS POINT MOUNTED ON STRUCTURAL WOODEN TRUSSES. SEE 6/T4.4 FOR DETAIL.

11 PROJECTOR ENCLOSURE. SEE 6/T4.5 FOR DETAIL.

12 PROVIDE AV OUTLETS FOR ALL PROJECTORS AND PROJECTOR SCREENS. VERIFY IN FIELD FOR EXACT REQUIREMENT.

13 SECURITY CONTROL PANEL.

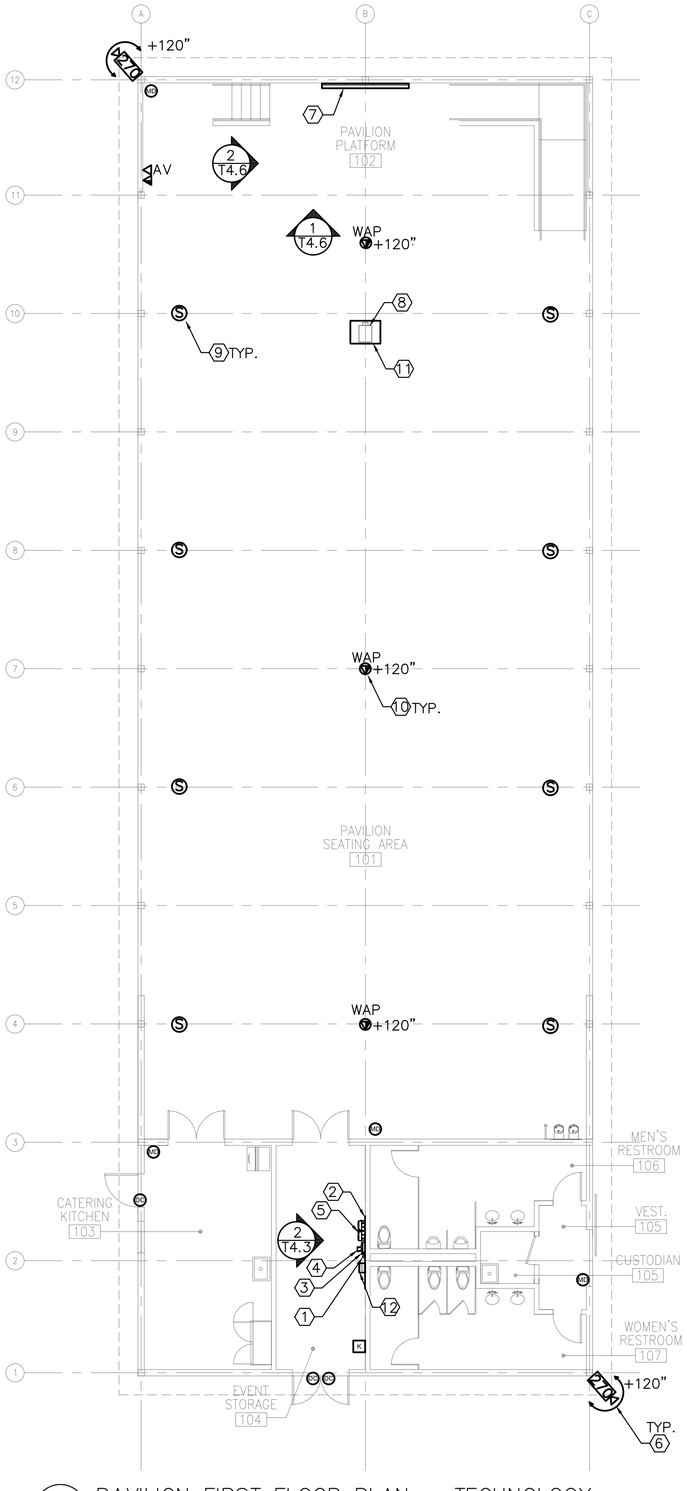



SCALE Ⓚ 8 0 8 16
SCALE OF FEET

100% FINAL CONSTRUCTION DOCUMENTS

REGISTERED PROFESSIONAL ENGINEER THOMAS B. JUN No. E19320 Exp 12/31/22 ELECTRICAL STATE OF CALIFORNIA
Signed: 7/26/22

| DESIGNED: | SUB SHEET NO. | TITLE OF SHEET | DRAWING NO. |
|---|---|---|---|
| IEI | T2.0 | BARN BUILDING – TECHNOLOGY | 638 / 182819 |
| CADD: BH | | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: GM | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 186 OF 200 |
| DATE: 07–15–2022 | | | |




1 / T2.1 PAVILION FIRST FLOOR PLAN – TECHNOLOGY

SCALE: Ⓚ

## GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF LOW VOLTAGE DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.

## SHEET KEYNOTES

1 2" IN GROUND CONDUIT STUB FROM ELECTRICAL/TELECOM 104 IN RESTROOM BUILDING.

2 3/4" FIRE–RATED PLYWOOD BACKBOARD.

3 25–PAIR LIGHTNING PROTECTOR BLOCK.

4 6" LONG GROUND BUS BAR.

5 TRIPPLITE WALL MOUNT ENCLOSURE. PART# SRWF4U. OVERALL DIMENSION: 29.5"HX26.8"WX8.5"D. WEIGHT 44.1 LB. LOAD CAPACITY 150 LB. SEE 2/T4.3 FOR DETAIL.

6 WALL MOUNT 270–DEGREE SECURITY CAMERA. SEE 7/T4.4 FOR DETAIL.

7 PROJECTOR SCREEN. DRAPER INC 189" DIAGONAL ELECTRIC SCREEN. SEE 5/T4.5 FOR DETAIL.

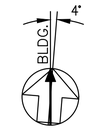
8 CEILING MOUNT PROJECTOR. PANASONIC PT–MZ670U. WEIGHT: 37.3 LBS.

9 SURFACE MOUNT SPEAKER MOUNTED ON FACE OFF WOOD STRUCTURE. SPEAKER IS FACING DOWN. SEE 4/T4.5 FOR DETAIL.

10 CEILING ACCESS POINT MOUNTED ON STRUCTURAL WOODEN TRUSSES. SEE 6/T4.4 FOR DETAIL.

11 PROJECTOR ENCLOSURE. SEE 6/T4.5 FOR DETAIL.

12. SECURITY CONTROL PANEL.




SCALE

SCALE Ⓚ 8 0 8 16

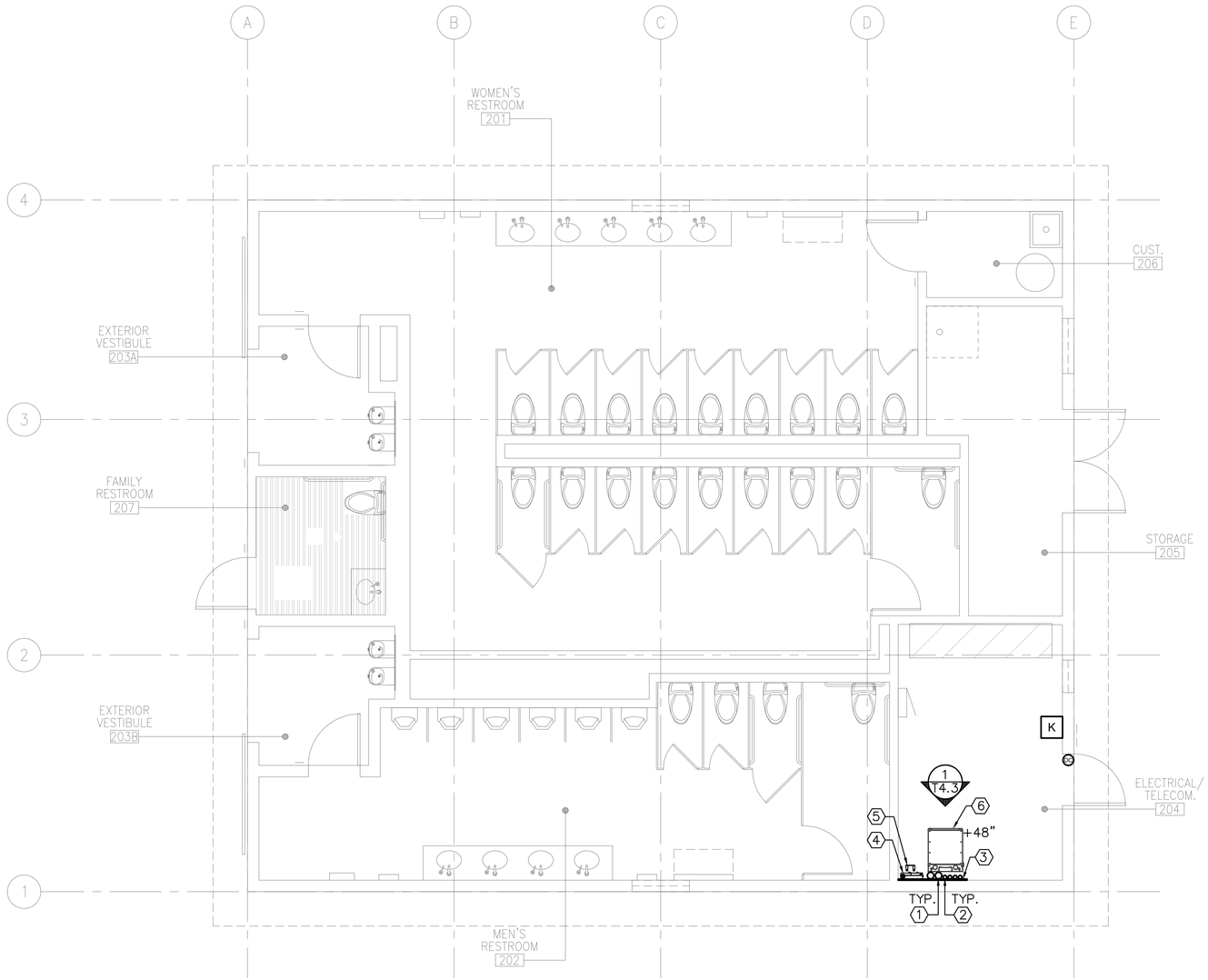
SCALE OF FEET

100% FINAL CONSTRUCTION DOCUMENTS

REGISTERED PROFESSIONAL ENGINEER
THOMAS B. JUN
No. E19320
Exp. 12/31/23
ELECTRICAL
STATE OF CALIFORNIA

Signed: 7/26/22

| | | | |
|---|---|---|---|
| DESIGNED: IEI | SUB SHEET NO. | TITLE OF SHEET: PAVILION BUILDING – TECHNOLOGY | DRAWING NO. 638 / 182819 |
| CADD: BH | T2.1 | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | PMIS/PKG NO. 303051 |
| TECH. REVIEW: GM | | | SHEET 187 OF 200 |
| DATE: 07–15–2022 | | | |




1 T2.2 RESTROOM BUILDING – TECHNOLOGY

SCALE: Ⓚ

## GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF LOW VOLTAGE DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.

## SHEET KEYNOTES

1 ONE, 4" IN GROUND CONDUIT STUB FROM TELECOMMUNICATIONS VAULT OUTSIDE THE BUILDING.

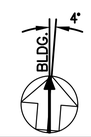
2 THREE, 2" IN GROUND CONDUIT.

3 3/4" FIRE–RATED PLYWOOD BACKBOARD.

4 25–PAIR LIGHTNING PROTECTOR BLOCK, MOUNTED AT +48" AFF.

5 6" WIDE PRIMARY BUS BAR, MOUNTED AT +84" AFF.

6 CHATSWORTH CPI CUBE–IT WALL MOUNT CABINET. DIMENSIONS: 48"Hx24Wx30"D. PROVIDE BACKING BEHIND CABINET, REFER TO 5/T5.3 FOR BACKING DETAILS.



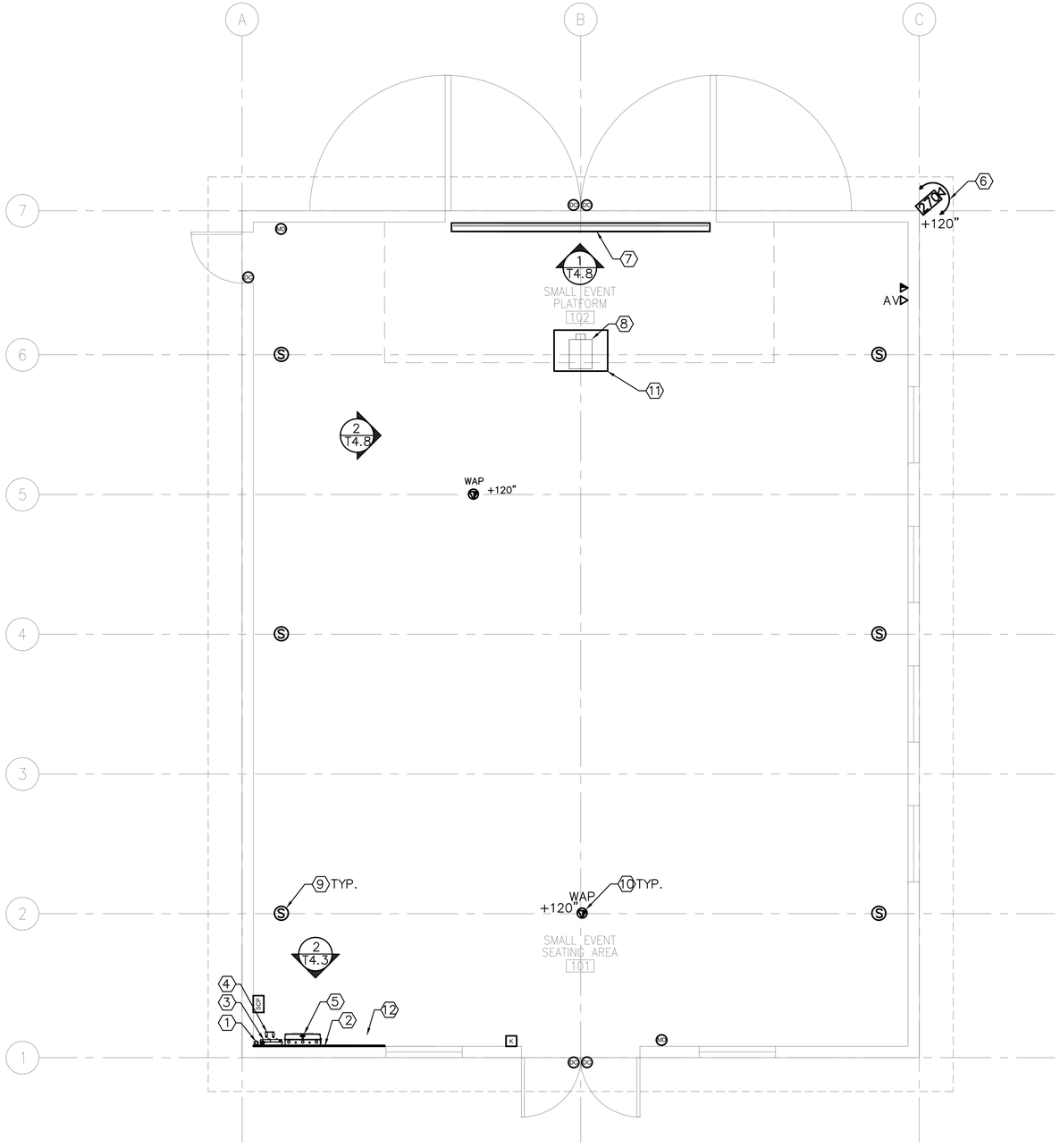

SCALE Ⓚ 4 0 4 8
SCALE OF FEET

100% FINAL CONSTRUCTION DOCUMENTS

REGISTERED PROFESSIONAL ENGINEER THOMAS B. JUN No. E19320 Exp. 12/31/22 ELECTRICAL STATE OF CALIFORNIA

Signed: 7/26/22

| DESIGNED: | SUB SHEET NO. | TITLE OF SHEET | DRAWING NO. |
|---|---|---|---|
| IEI | T2.2 | RESTROOM BUILDING – TECHNOLOGY | 638 / 182819 |
| CADD: BH | | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: GM | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 188 OF 200 |
| DATE: 07–15–2022 | | | |




1 / T2.3 SMALL EVENT BUILDING – TECHNOLOGY

SCALE: Ⓚ

## GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF LOW VOLTAGE DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.

## SHEET KEYNOTES

1 2" IN GROUND CONDUIT STUB FROM ELECTRICAL/TELECOM 104 IN RESTROOM BUILDING.

2 3/4" FIRE–RATED PLYWOOD BACKBOARD.

3 25–PAIR LIGHTNING PROTECTOR BLOCK.

4 6" LONG GROUND BUS BAR.

5 TRIPPLITE WALL MOUNT ENCLOSURE. PART# SRWF4U. OVERALL DIMENSION: 29.5"HX26.8"WX8.5"D. WEIGHT 44.1 LB. LOAD CAPACITY 150 LB. SEE 2/T4.3 FOR DETAIL.

6 WALL MOUNT 270–DEGREE SECURITY CAMERA. SEE 7/T4.4 FOR DETAIL.

7 PROJECTOR SCREEN. DRAPER INC 189" DIAGONAL ELECTRIC SCREEN. SEE 5/T4.5 FOR DETAIL.

8 CEILING MOUNT PROJECTOR. PANASONIC PT–MZ670U. WEIGHT: 37.3 LBS.

9 SURFACE MOUNT SPEAKER MOUNTED ON FACE OFF WOOD STRUCTURE. SPEAKER IS FACING DOWN. SEE 4/T4.5 FOR DETAIL.

10 CEILING ACCESS POINT MOUNTED ON STRUCTURAL WOODEN TRUSSES. SEE 6/T4.4 FOR DETAIL.

11 PROJECTOR ENCLOSURE. SEE 6/T4.5 FOR DETAIL.

12 SECURITY CONTROL PANEL

BLDG.↑ 4°

SCALE Ⓚ 4 0 4 8
SCALE OF FEET

100% FINAL CONSTRUCTION DOCUMENTS

REGISTERED PROFESSIONAL ENGINEER THOMAS B. JUN No. E19320 Exp. 12/31/22 ELECTRICAL STATE OF CALIFORNIA
Signed: 7/26/22

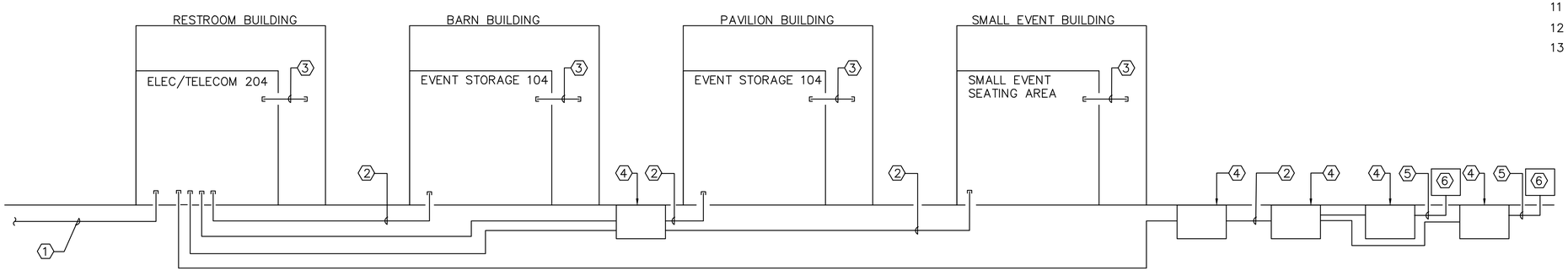
| DESIGNED: | SUB SHEET NO. | TITLE OF SHEET | DRAWING NO. |
|---|---|---|---|
| IEI | T2.3 | SMALL EVENT BUILDING – TECHNOLOGY | 638 / 182819 |
| CADD: BH | | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: GM | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 189 OF 200 |
| DATE: 07–15–2022 | | | |

## GENERAL SHEETNOTES:

A. REFER TO SHEETS 1/T1.0, 1/T1.1, 1/T1.2, AND 1/T1.3 FOR CONDUIT ROUTING AND TELECOM VAULT LOCATION.

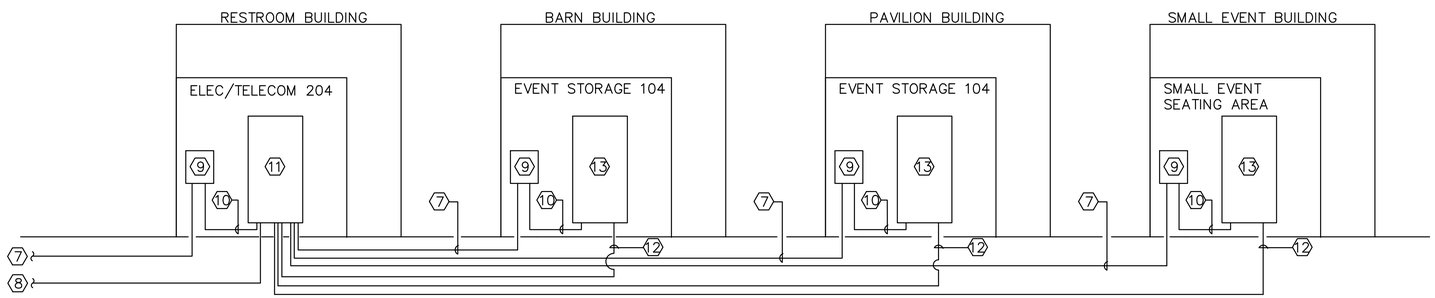
## ⬡ SHEET KEYNOTES

1 TWO, 2" UNDERGROUND CONDUITS LONGHORN BUILDING. BOND ALL CONDUCTOR TO BUSBAR.
2 ONE, 2" UNDERGROUND CONDUIT.
3 ONE, 1.25" CONDUITS TO DEVICE LOCATION.
4 2'x3' TELECOMMUNICATIONS VAULT.
5 ONE, 1.25" UNDERGROUND CONDUIT TO WIRELESS ACCESS POINT LOCATION INDICATED ON SITE PLAN DRAWING.
6 NEMA–4X ENCLOSURE MOUNTED IN OBERON 3032/32".
7 ONE, 25–PAIR OSP RATED CAT3.
8 ONE, 24–STRAND, SINGLE MODE FIBER.
9 25 PAIR LIGHTNING PROTECTOR BLOCK.
10 ONE, 25–PAIR INDOOR RATED CAT3.
11 WALL MOUNT CABINET. SEE 1/T4.3 AND 3/T4.3 FOR DETAIL.
12 ONE, 12–STRAND, SINGLE MODE FIBER.
13 TRIPPLITE 4RU SLIM RACK. SEE 2/T4.3 AND 4/T4.3 FOR DETAIL.




1 TELECOMMUNICATIONS PATHWAY DIAGRAM

NO SCALE



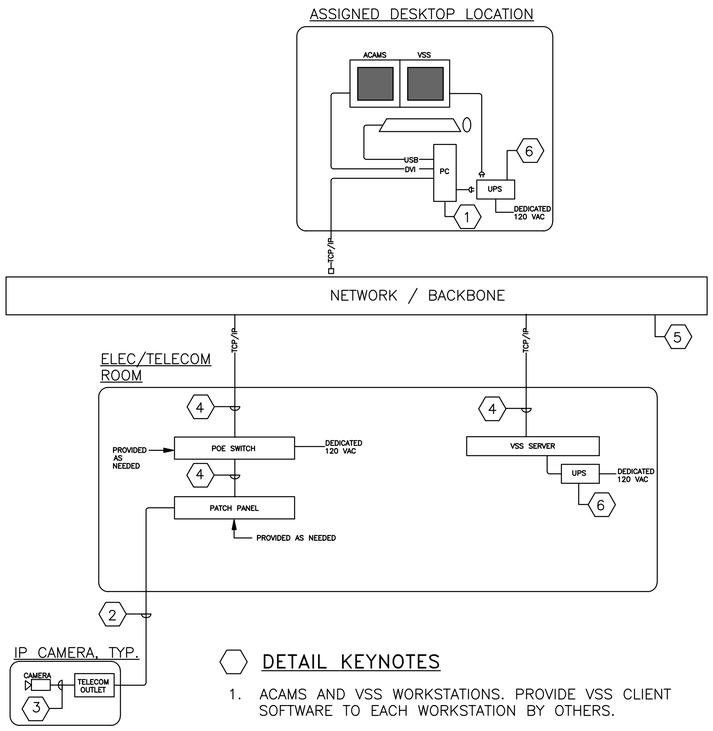

2 TELECOMMUNICATIONS BACKBONE DIAGRAM

NO SCALE

REGISTERED PROFESSIONAL ENGINEER
THOMAS B. JUN
No. E19320
Exp. 12/31/22
ELECTRICAL
STATE OF CALIFORNIA
Signed: 7/26/22

100% FINAL CONSTRUCTION DOCUMENTS

| DESIGNED: | SUB SHEET NO. | TITLE OF SHEET | DRAWING NO. |
|---|---|---|---|
| IEI | T3.0 | DIAGRAMS – TECHNOLOGY | 638 / 182819 |
| CADD: BH | | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: GM | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 190 OF 200 |
| DATE: 07–15–2022 | | | |

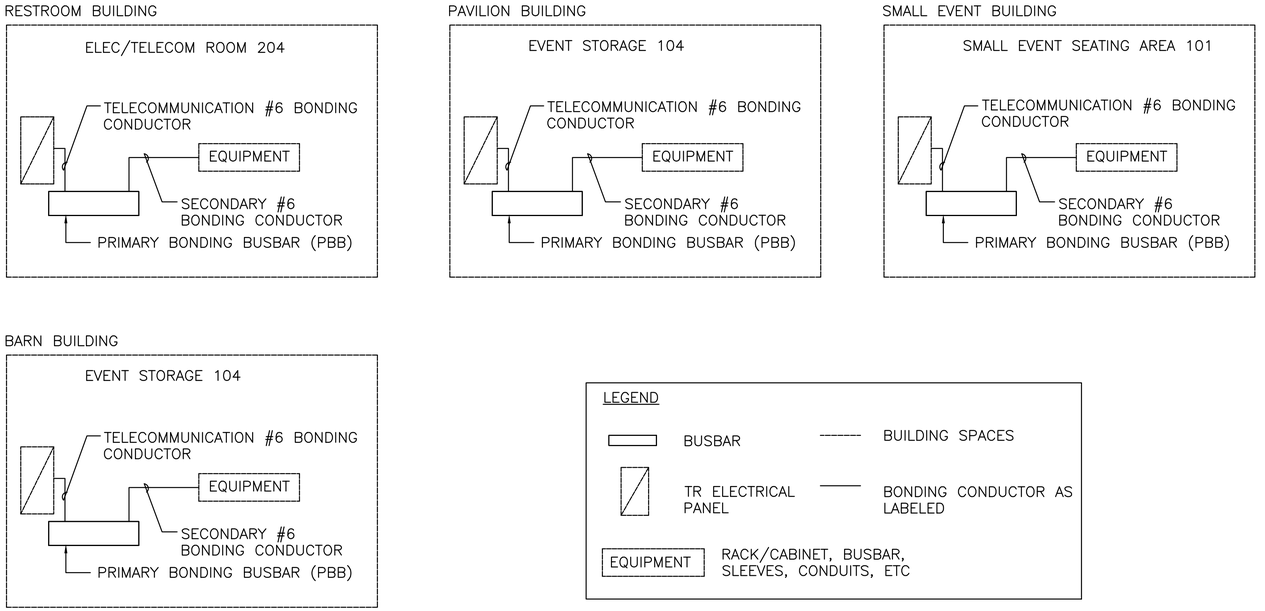



## DETAIL KEYNOTES

1. ACAMS AND VSS WORKSTATIONS. PROVIDE VSS CLIENT SOFTWARE TO EACH WORKSTATION BY OTHERS.
2. TELECOM CABLING PROVIDED AND INSTALLED BY TELECOM CONTRACTOR.
3. PROVIDE PATCH CORD BETWEEN OUTLET AND CAMERA.
4. PROVIDE NETWORK CABLING BETWEEN PATCHPANEL AND DEVICE.
5. PROVIDE NETWORK CONNECTION NEEDED TO SUPPORT SECURITY SYSTEM, INCLUDING POE NETWORK SWITCHES (MANAGEABLE ETHERNET ACCESS SWITCHES) AND BACKBONE CABLING (CAT6A OR FIBER AS REQUIRED)
6. UPS BY OTHERS.

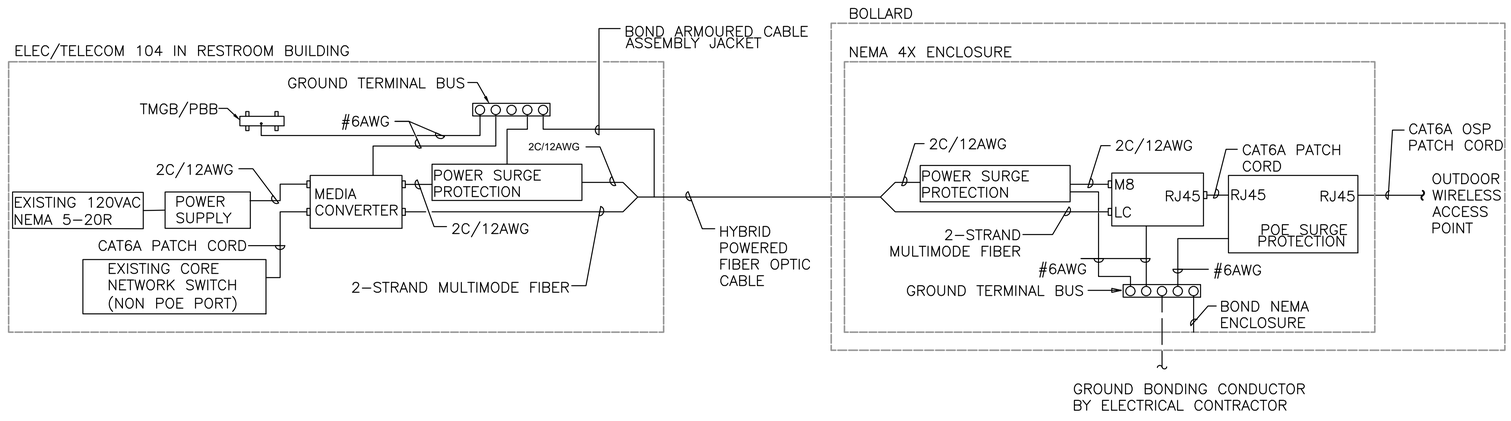
## 1 SECURITY CAMERA DIAGRAM

NO SCALE




## 2 TELECOMMUNICATIONS GROUNDING DIAGRAM

NO SCALE




## 3 POE HYBRID SYSTEM SINGLE LINE DIAGRAM

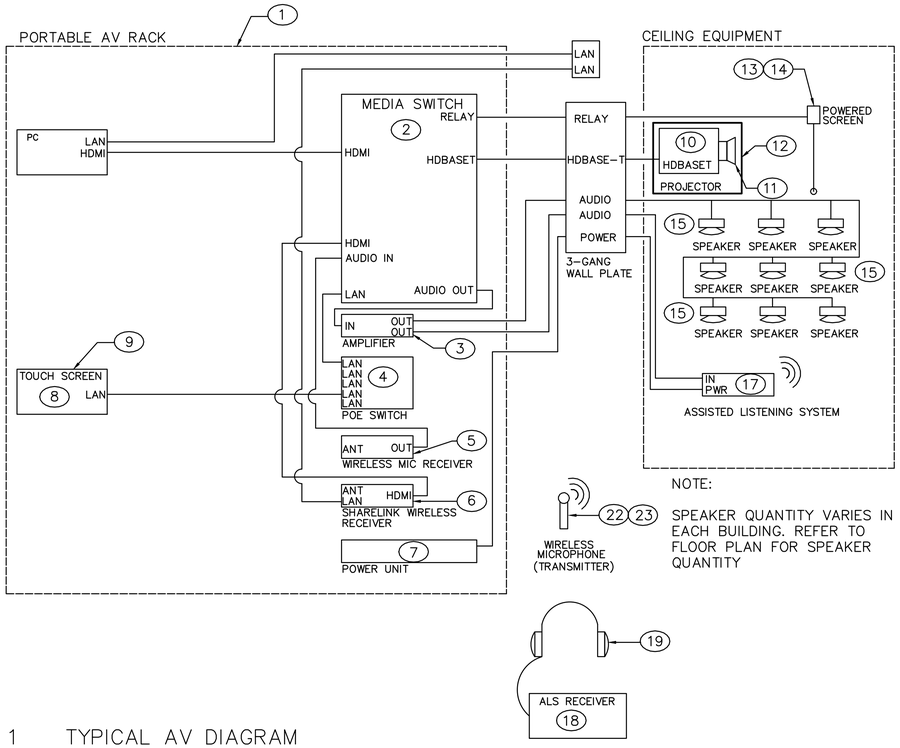
NO SCALE

100% FINAL CONSTRUCTION DOCUMENTS

REGISTERED PROFESSIONAL ENGINEER THOMAS B. IUN No. E19320 Exp. 12/31/22 ELECTRICAL STATE OF CALIFORNIA
Signed: 7/26/22

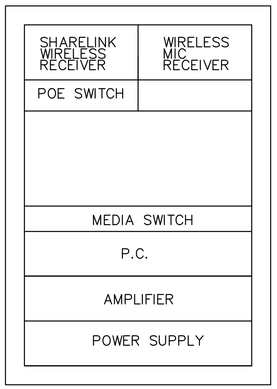
| DESIGNED: | SUB SHEET NO. | TITLE OF SHEET | DRAWING NO. |
|---|---|---|---|
| IEI | T3.1 | DIAGRAMS – TECHNOLOGY | 638 / 182819 |
| CADD: BH | | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: GM | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 191 OF 200 |
| DATE: 07-15-2022 | | | |

| AV EQUIPMENT SCHEDULE | | | | | |
|---|---|---|---|---|---|
| ID | DESCRIPTION | MANUFACTURER | PART NUMBER | RESPONSIBILITY | NOTES |
| 1 | PORTABLE AV CART | THE SOUND TOWN | STMR-14UWT | OFOI | |
| 2 | 3 SERIES 4K PRESENTATION SWITCHER – CRESTRON | CRESTRON | DMPS3-4K-150-C | OFOI | |
| 3 | 70V POWER AMPLIFIER | CRESTRON | AMP-X300 | OFOI | |
| 4 | ASSISTED LISTENING SYSTEM | LISTEN TECHNOLOGY | LS-90 | OFOI | |
| 5 | DIGITAL WIRELESS MICROPHONE RECEIVER | SHURE | ULXD4 | OFOI | |
| 6 | WIRELESS COLLABORATION | EXTRON | SHARELINK 500 | OFOI | |
| 7 | POWER CONDITIONER | FURMAN | PL-8C | OFOI | |
| 8 | 7" TOUCH PANEL | CRESTRON | TSW-770-B-S | OFOI | |
| 9 | TABLE TOP KIT FOR TSW-760-B-S | CRESTRON | TSW-760-TTK-B-S | OFOI | |
| 10 | PROJECTOR 6,500 LUMENS WITH A LASER LIGHT ENGINE | PANASONIC | PT-MZ670U | OFCI | |
| 11 | PROJECTOR ZOOMS LENS | PANASONIC | ELT-ELW20 | OFCI | USED ZOOM LENS WITH PROJECTOR IN BARN BUILDING ONLY |
| 12 | SSIDISPLAYS PROJECTOR ENCLOSURE MEDIUM SIZE | SSI INTEGRATOR | FC-EC-M | OFCI | |
| 13 | DRAPER INC MOTORIZED PROJECTION SCREEN | DRAPER INC | PREMIER 101638 | OFCI | USED IN BARN BUILDING ONLY |
| 14 | DRAPER INC MOTORIZED PROJECTOR SCREEN LARGE | DRAPER INC | PREMIER XL 101804 | OFCI | USED ON PAVILION AND SMALL EVENT BUILDING ONLY |
| 15 | SURFACE MOUNT SPEAKERS | K-ARRAY | TORNADO KT-2 | OFCI | |
| 16 | ASSISTED LISTENING SYSTEM | LISTEN TECHNOLOGY | LS-90 | OFOI | |
| 17 | 2-CHANNEL TRANSMITTER/RADIATOR COMBO | LISTEN TECHNOLOGY | LT-84 | OFOI | |
| 18 | IR RECEIVER | LISTEN TECHNOLOGY | LR-4200-IR | OFOI | |
| 19 | STEREO HEADPHONES | LISTEN TECHNOLOGY | LA-402 | OFOI | |
| 20 | CHARGING TRAY | LISTEN TECHNOLOGY | LA-423 | OFOI | |
| 21 | USB TO MICRO USB CABLE | LISTEN TECHNOLOGY | LA-422 | OFOI | |
| 22 | WIRELESS MICROPHONE BODY PACK TRANSMITTER | SHURE | ULXD1 | OFOI | |
| 23 | LAVALIER MICROPHONE FOR ULDX1 | SHURE | WL185 | OFOI | |




1 TYPICAL AV DIAGRAM

NO SCALE




2 PORTABLE AV RACK ELEVATION

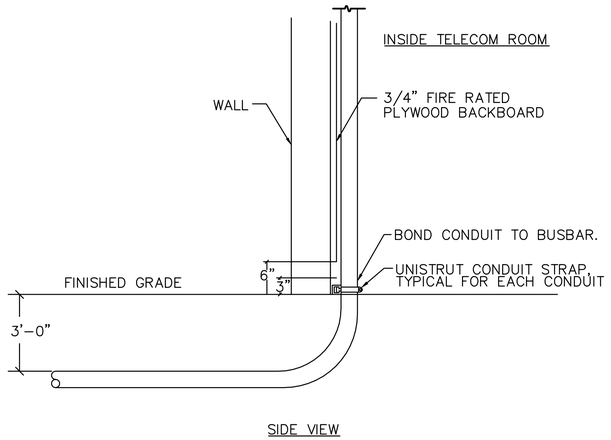
NO SCALE

REGISTERED PROFESSIONAL ENGINEER THOMAS B. IUN No. E19320 Exp. 12/31/22 ELECTRICAL STATE OF CALIFORNIA

Signed: 7/26/22

100% FINAL CONSTRUCTION DOCUMENTS

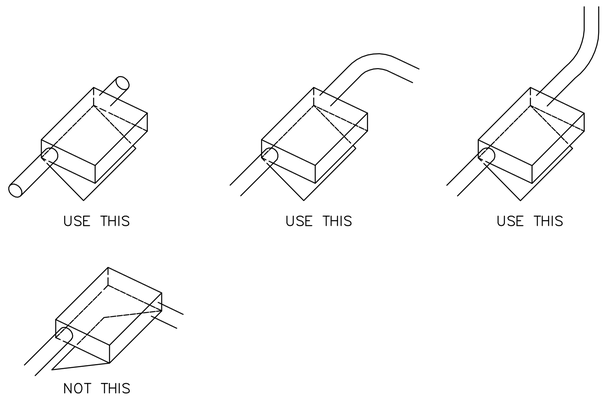
| DESIGNED: | SUB SHEET NO. | TITLE OF SHEET | DRAWING NO. |
|---|---|---|---|
| IEI | T3.2 | DIAGRAMS – TECHNOLOGY | ~~638~~ 182819 |
| CADD: BH | | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: GM | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 192 OF 200 |
| DATE: 07-15-2022 | | | |




SIDE VIEW

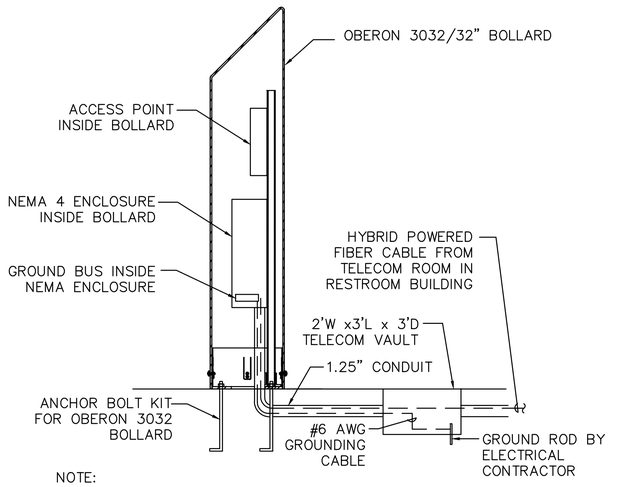
## 1 IN GROUND TELECOM CONDUIT STUB UP TO TELECOM ROOM ELEVATION DETAIL

NO SCALE




## 2 TELECOM PULL BOX DETAIL

NO SCALE




NOTE:

1. REFER TO MANUFACTURER'S INSTRUCTION MANUAL FOR THE REQUIRED BOLLARD HARDWARES, ACCESSORIES, AND INSTALLATION METHOD.
2. REFER TO MANUFACTURER'S RECOMMENDATION ON COMPATIBLE WIRELESS ACCESS POINT DEVICE WITH THE BOLLARD MODEL.
3. SEE SHEET 3/T3.1 FOR LIST OF EQUIPMENT INSIDE NEMA ENCLOSURE.

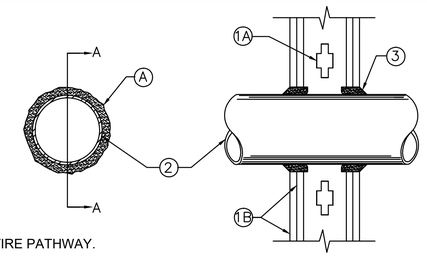
## 3 POLE MOUNTED OUTDOOR ACCESS POINT DETAIL

NO SCALE

System No. W-L-1001

June 15, 2005

F Ratings – 1, 2, 3 and 4 Hr (See Items 2 and 3)
T Ratings – 0, 1, 2, 3, and 4 Hr (See Item 3)
L Rating At Ambient – less than 1 CFM/sq ft
L Rating At 400 F – less than 1 CFM/sq ft




SECTION A–A

NOTE : ALL CABLING TO BE RUN IN METAL CONDUIT FOR ITS ENTIRE PATHWAY.

1. WALL ASSEMBLY – THE 1, 2, 3 OR 4 HR FIRE–RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STUDS WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX 2 HR FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC WITH NOM 2 BY 4 IN. (51 BY102 MM) LUMBER END PLATES AND CROSS STEEL STUDS TO BE MIN 3–5/8 IN. (92 MM) WIDE BY 1–3/8 IN. (35 MM) DEEP CHANNELS SPACED MAX 24 IN. (610 MM) OC.

B. GYPSUM BOARD* – NOM 1/2 OR 5/8 IN. (13 OR 16 MM) THICK, 4 FT. (122 CM) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 26 IN. (660 MM).

2. THROUGH PENETRANT – METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN OF 0 IN. (0 MM) (POINT CONTACT) TO MAX 2 IN. (51 MM). PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

A. STEEL PIPE NOM 24 IN. (610 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
B. IRON PIPE NOM 24 IN. (610 MM) DIAM (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 12 IN. (305 MM) DIAM (OR SMALLER) OR CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE.
C. CONDUIT NOM 6 IN. (152 MM) DIAM (OR SMALLER) STEEL CONDUIT OR NOM 4 IN. (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.
D. COPPER TUBING NOM 6 IN. (152 MM) DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
E. COPPER PIPE NOM 6 IN. (152 MM) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
F. THROUGH PENETRATING PRODUCT* FLEXIBLE METAL PIPING THE FOLLOWING TYPES OF STEEL FLEXIBLE METAL GAS PIPING MAY BE USED:

1. NOM 2 IN. (51 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.
   OMEGA FLEX INC
2. NOM 1 IN. (25 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.
   TITEFLEX CORP
   A BUNDY CO
3. NOM 1 IN. (25 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.
   WARD MFG INC

3. FILL, VOID OR CAVITY MATERIAL* CAULK OR SEALANT MIN 5/8. 1–1/4,1–7/8 AND 2–1/2 IN. (16, 32, 48 AND 64 MM) THICKNESS OF CAULK FOR 1, 2, 3 AND 4 HR RATED ASSEMBLIES, RESPECTIVELY, APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. MIN 1/4 IN. (6 MM) DIAM BEAD OF CAULK APPLIED TO GYPSUM BOARD/PENETRANT INTERFACE AT POINT CONTACT LOCATION ON BOTH SIDES OF WALL. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

| MAX PIPE OR CONDUIT DIAMETER INCHES (MM) | F RATING HOUR | T RATING HOUR |
|---|---|---|
| 1 (25) | 1 OR 2 | 0+, 1 OR 2 |
| 1 (25) | 3 OR 4 | 3 OR 4 |
| 4 (102) | 1 OR 2 | 0 |
| 6 (152) | 3 OR 4 | 0 |
| 12 (305) | 1 OR 2 | 0 |

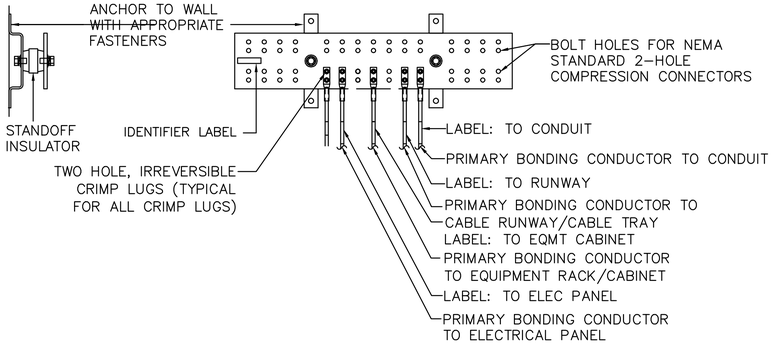
## 4 CONDUIT PENETRATION FIRESTOPPING DETAIL

NO SCALE

100% FINAL CONSTRUCTION DOCUMENTS

REGISTERED PROFESSIONAL ENGINEER THOMAS B. JUN No. E19320 Exp. 12/31/23 ELECTRICAL STATE OF CALIFORNIA
Signed: 7/26/22

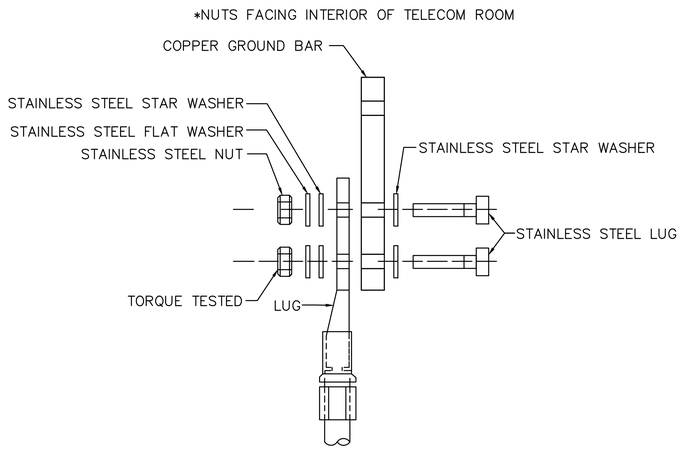
| DESIGNED: | SUB SHEET NO. | TITLE OF SHEET | DRAWING NO. |
|---|---|---|---|
| IEI | T4.1 | DETAILS – TECHNOLOGY | 638 / 182819 |
| CADD: BH | | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: GM | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 193 OF 200 |
| DATE: 07–15–2022 | | | |




| BONDING CONDUCTOR LINEAR LENGTH m(ft) | CONDUCTOR SIZE (AWG) |
|---|---|
| LESS THAN 4 (13) | 6 |
| 4 – 6 (14 – 20) | 4 |
| 6 – 8 (21 – 26) | 3 |
| 8 – 10 (27 – 33) | 2 |
| 10 – 13 (34 – 41) | 1 |
| 13 – 16 (42 – 52) | 1/0 |
| 16 – 20 (53 – 56) | 2/0 |
| 20 – 26 (57 – 84) | 3/0 |
| 26 – 32 (85 – 105) | 4/0 |
| 32 – 38 (106 – 125) | 250 kcmil |
| 38 – 46 (126 – 150) | 300 kcmil |
| 46 – 53 (151 – 175) | 350 kcmil |
| 53 – 76 (176 – 250) | 500 kcmil |
| 76 – 91 (251 – 300) | 600 kcmil |
| GREATER THAN 91 (301) | 750 kcmil |

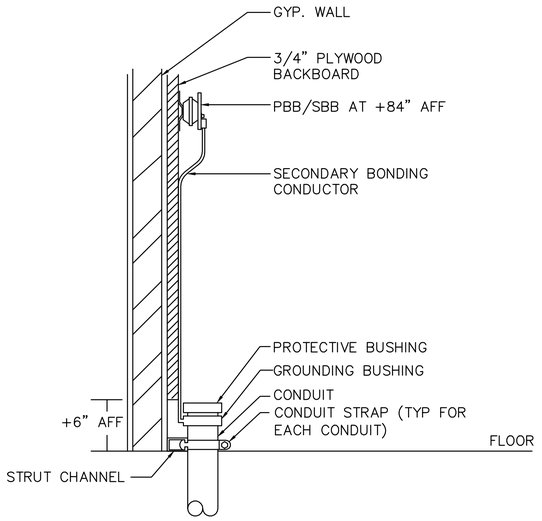
1 CONDUIT ELEVATION DETAIL

NO SCALE



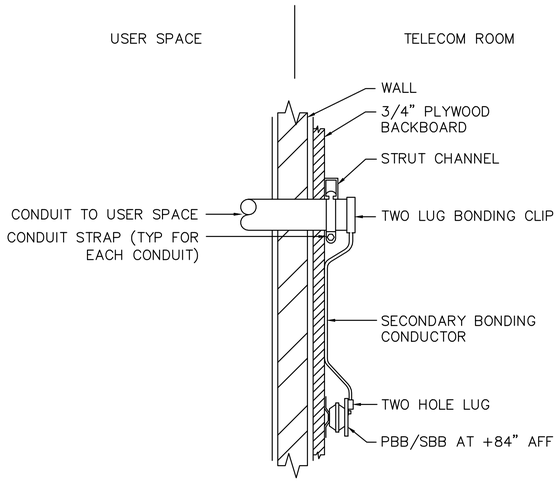

2 BONDING CONDUCTOR TO BUSBAR DETAIL

NO SCALE



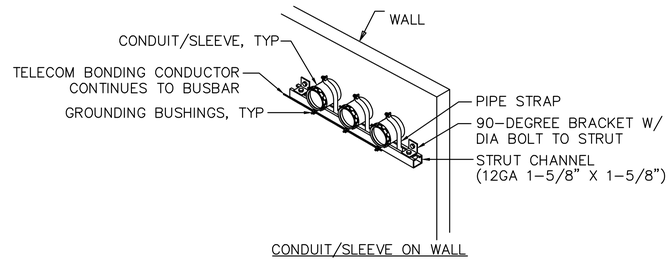

3 THROUGH FLOOR PENETRATION CONDUIT BONDING DETAIL

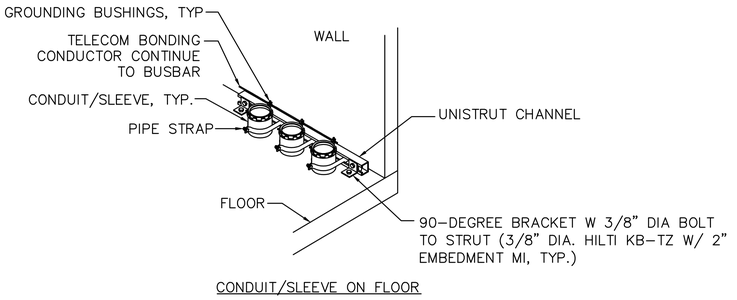
NO SCALE




4 THROUGH WALL PENETRATION CONDUIT BONDING DETAIL

NO SCALE




5 CONDUIT PENETRATION BRACING AND BONDING DETAIL

NO SCALE

REGISTERED PROFESSIONAL ENGINEER
THOMAS B. JUN
No. E19320
Exp. 12/31/22
ELECTRICAL
STATE OF CALIFORNIA
Signed: 7/26/22

100% FINAL CONSTRUCTION DOCUMENTS

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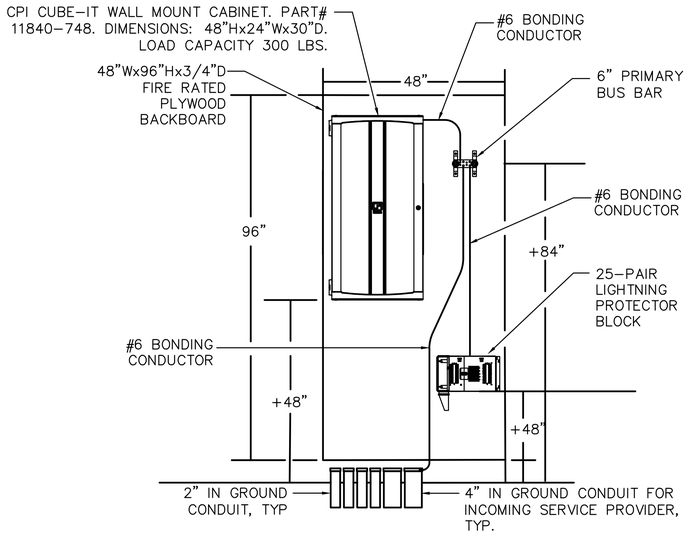
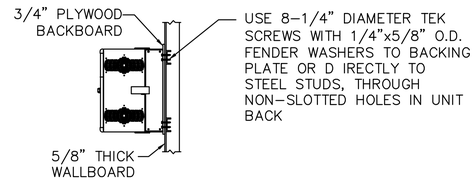
|---|---|---|---|
| IEI | T4.2 | DETAILS – TECHNOLOGY | 638 ~~182819~~ |
| CADD: BH | | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: GM | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 194 OF 200 |
| DATE: 07-15-2022 | | | |

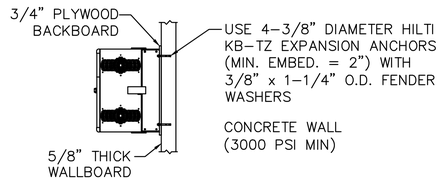



1 ELEC/TELECOM 104 TELECOM CABINET RACK ELEVATION

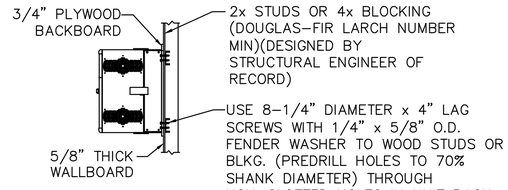
NO SCALE




STEEL STUD WALL SECTION




CONCRETE WALL SECTION




WOOD STUD WALL SECTION

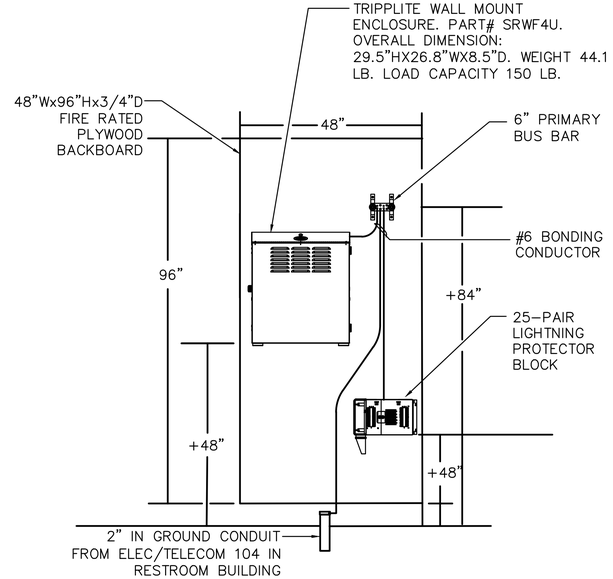
GENERAL NOTE:

1. SEE MANUFACTURER'S CATALOG PAGES FORRADDITIONAL AND/OR OPTIONAL BRACE CONFIGURATIONS.
2. VERIFY THE ADEQUACY OF THE SYSTEM ATTACHMENT AND BRACING.
3. CONFIRM WITH STRUCTURAL ENGINEERING BEFORE INSTALLATION.

NOTE: REFER TO OSHPD OPM 0196–13

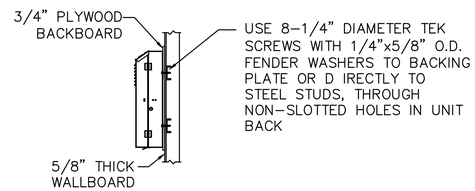
3 CUBE–IT SURFACE MOUNT CABINET MOUNTING DETAIL

NO SCALE

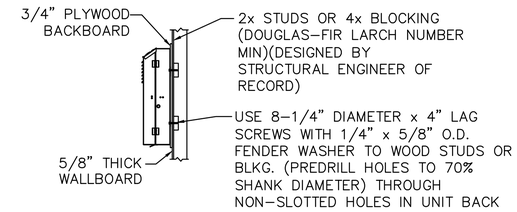



2 WALL MOUNT ENCLOSURE ELEVATION DETAIL

NO SCALE




STEEL STUD WALL SECTION




WOOD STUD WALL SECTION

GENERAL NOTE:

1. SEE MANUFACTURER'S CATALOG PAGES FORRADDITIONAL AND/OR OPTIONAL BRACE CONFIGURATIONS.
2. VERIFY THE ADEQUACY OF THE SYSTEM ATTACHMENT AND BRACING.
3. CONFIRM WITH STRUCTURAL ENGINEERING BEFORE INSTALLATION.

4 WALL MOUNT ENCLOSURE MOUNTING DETAIL

NO SCALE

100% FINAL CONSTRUCTION DOCUMENTS

REGISTERED PROFESSIONAL ENGINEER THOMAS B. JUN No. E19320 Exp 12/31/22 ELECTRICAL STATE OF CALIFORNIA
Signed: 7/26/22

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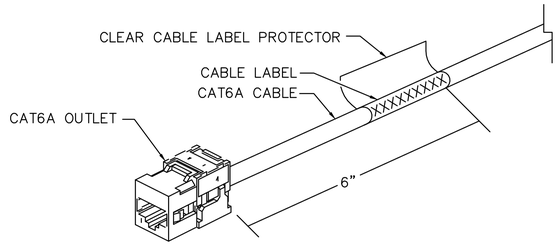
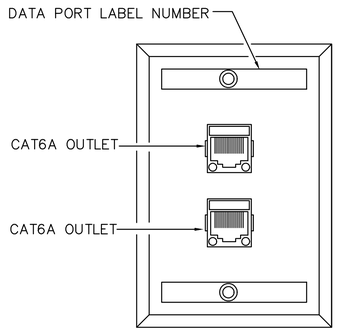
|---|---|---|---|
| IEI | T4.3 | DETAILS – TECHNOLOGY | 638 / 182819 |
| CADD: BH | | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: GM | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 195 OF 200 |
| DATE: 07–15–2022 | | | |



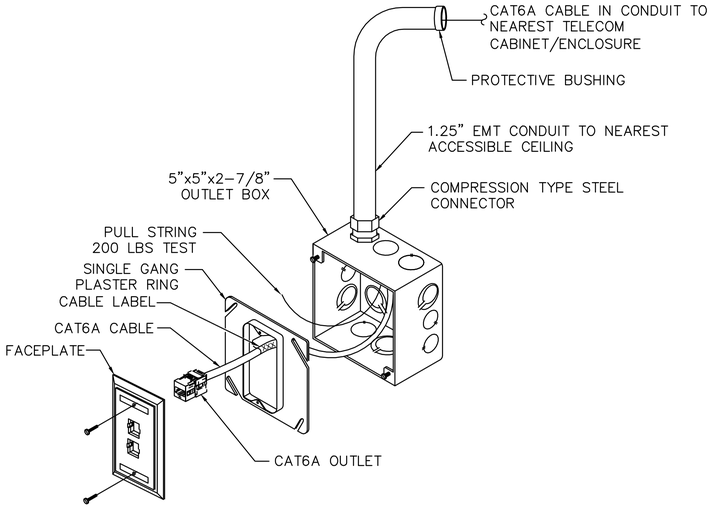

1 TELECOMMUNICATIONS CABLE LABELING DETAIL

NO SCALE



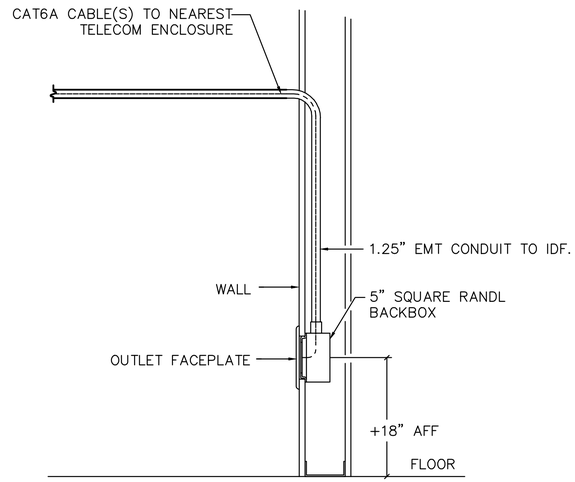

2 SINGLE GANG TWO-PORT DATA FACEPLATE DETAIL

NO SCALE



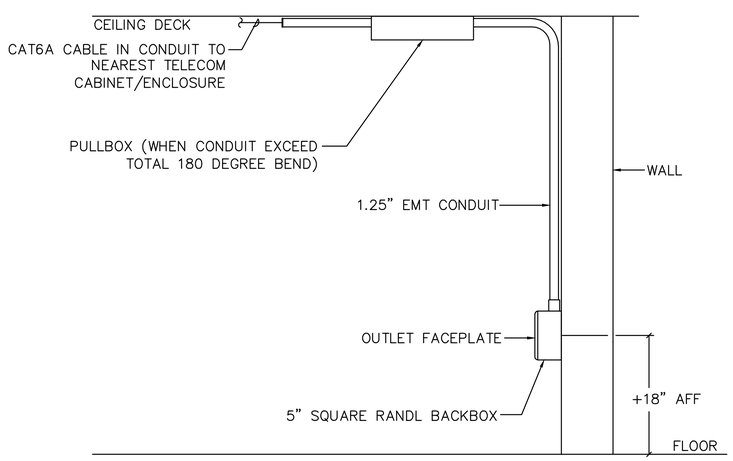

3 TELECOMMUNICATIONS OUTLET BACKBOX DETAIL

NO SCALE




4 IN WALL OUTLET BOX DETAIL

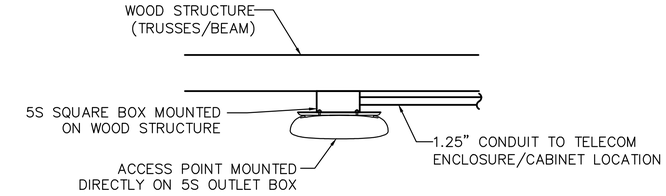
NO SCALE




NOTE: VERIFY IN FIELD ON ACTUAL LOCATION WHERE CONDUIT TERMINATES

5 SURFACE MOUNTED OUTLET BACKBOX DETAIL

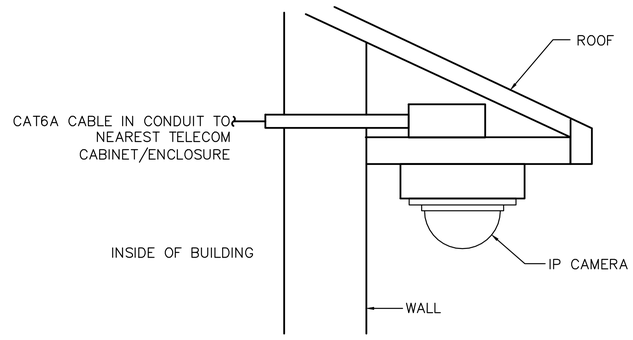
NO SCALE




NOTE: PROVIDE JUNCTION BOX WHEN CONDUIT EXCEEDS 180-DEGREE TOTAL OF BENDS. VERIFY IN FIELD FOR PROPER CONDUIT ROUTING.

6 CEILING MOUNTED ACCESS POINT DETAIL

NO SCALE




NOTE:
1. CAMERA SHAPE IS FOR REFERENCE PURPOSES. REFER TO MANUFACTURER'S MANUAL FOR ACTUAL MOUNTING METHOD.
2. MOUNT CAMERA CLOSE TO THE EDGE OF BUILDING EAVE TO HAVE 270DEGREE COVERAGE.

7 CAMERA MOUNTING DETAIL

NO SCALE

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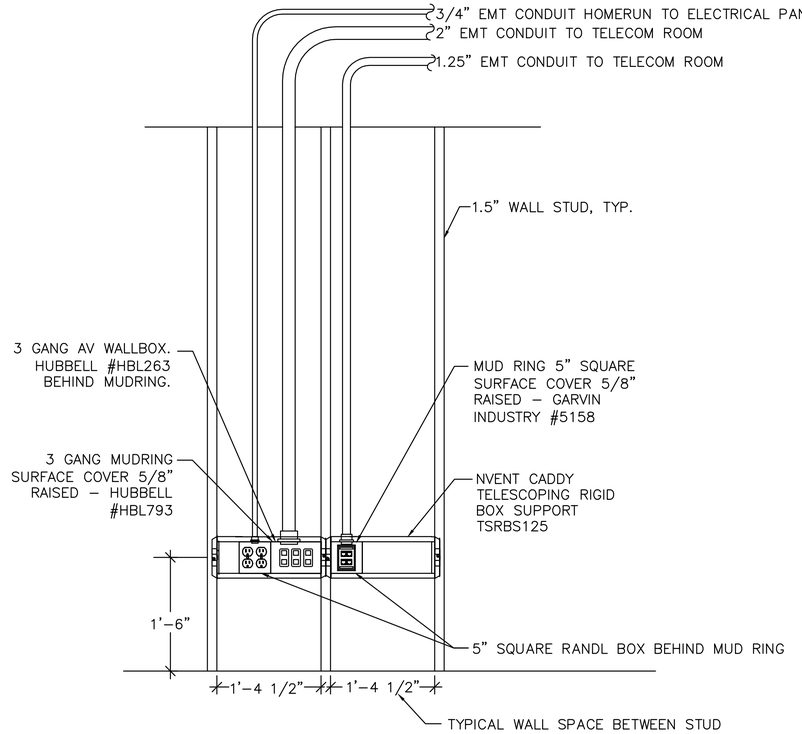
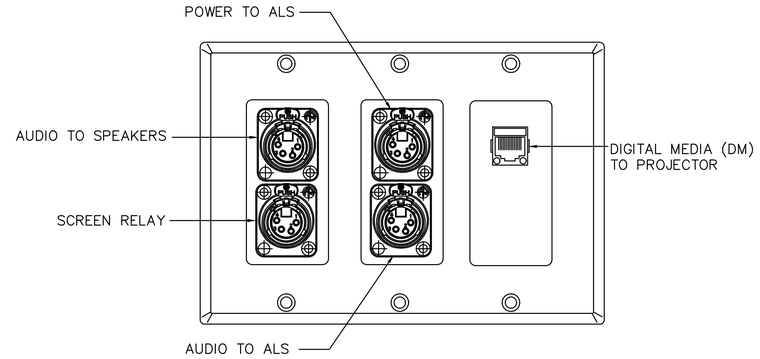
|---|---|---|---|
| IEI | T4.4 | DETAILS – TECHNOLOGY | 638 / 182819 |
| CADD: BH | | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: GM | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 196 OF 200 |
| DATE: 07-15-2022 | | | |



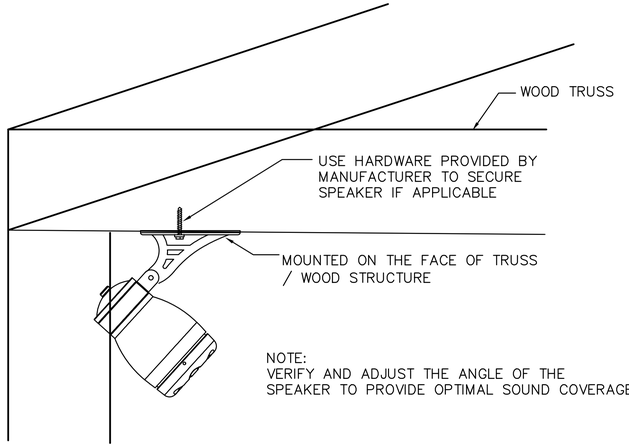

1 OUTLET BOX WITH AV ELEVATION DETAIL

NO SCALE



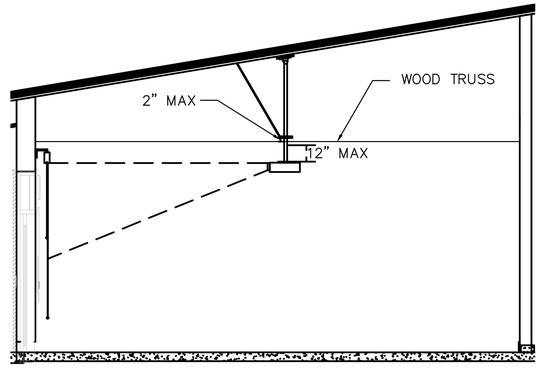

3 AV OUTLET FACEPLATE DETAIL

NO SCALE




2 SURFACE MOUNT SPEAKER DETAIL

NO SCALE




NOTE:
1. VERIFY THE HEIGHT OF PROJECTOR ABOVE FINISH FLOOR AND PROJECTOR THROW DISTANCE TO SCREEN PRIOR UNISTRUT INSTALLATION.
2. VERIFY IN FIELD FOR BUILDING STRUCTURE EXISTING CONDITION PRIOR TO INSTALLATION.
3. REFER TO STRUCTURAL AND ARCHITECTURAL DRAWINGS FOR MOUNTING.

4 PROJECTOR ENCLOSURE MOUNTING DETAIL

NO SCALE

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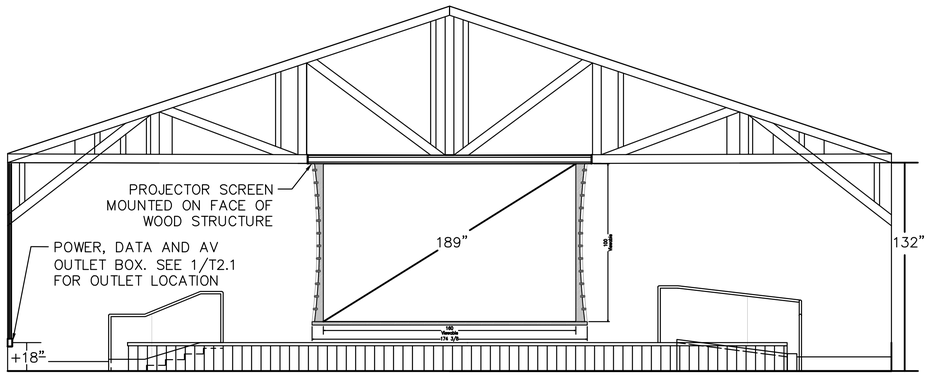
|---|---|---|---|
| IEI | T4.5 | DETAILS – TECHNOLOGY | 638 ~~182819~~ |
| CADD: BH | | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: GM | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 197 OF 200 |
| DATE: 07–15–2022 | | | |




1 PAVILION BUILDING STAGE ELEVATION DETAIL

NO SCALE




2 PAVILION BUILDING STAGE ELEVATION DETAIL

NO SCALE

ROOM SPACE PURPOSE: DISPLAY VIDEO SLIDESHOW WITHOUT ANY SMALL DETAILS

CEILING HEIGHT: 11'.

IN GENERAL:
BOTTOM OF PROJECTED IMAGE SHALL BE 40" TO 48" ABOVE GROUND BECAUSE
AVERAGE HEIGHT OF HUMAN EYESIGHT WHEN SIT ON A CHAIR IS 43" ABOVE GROUND.

SCREEN MULTIPLIER = 8

SCREEN RATIO = 16:10

16:10 RATIO = (16 / 10) = (WIDTH / HEIGHT)

SCREEN HEIGHT = TOP OF CEILING – LEVEL ABOVE FLOOR
= 132" – 40"
= 92" OR 7.667'

SCREEN WIDTH = 16 * SCREEN HEIGHT / 10
= 16 * 92" / 10 =147.2" OR 12.27'

SCREEN DIAGONAL = (SCREEN HEIGHT^2 + SCREEN WIDTH^2)^(1/2)
= ((92^2)+(147.2^2))^(1/2)
= 173.58" OR 14.465'

RECOMMENDED PROJECTED IMAGE SIZE: 173" DIAGONAL.

RECOMMENDED SCREEN SIZE: DRAPER INC PREMIER XL 189" DIAGONAL.

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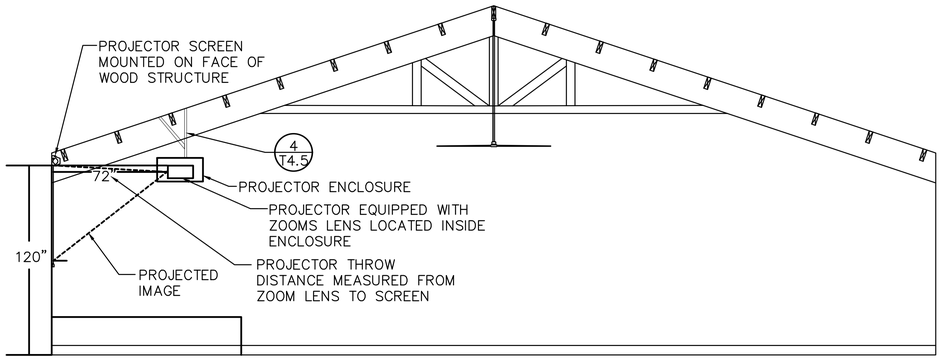
REGISTERED PROFESSIONAL ENGINEER
THOMAS B. IUN
No. E19320
Exp. 12/31/22
ELECTRICAL
STATE OF CALIFORNIA
Signed: 7/26/22

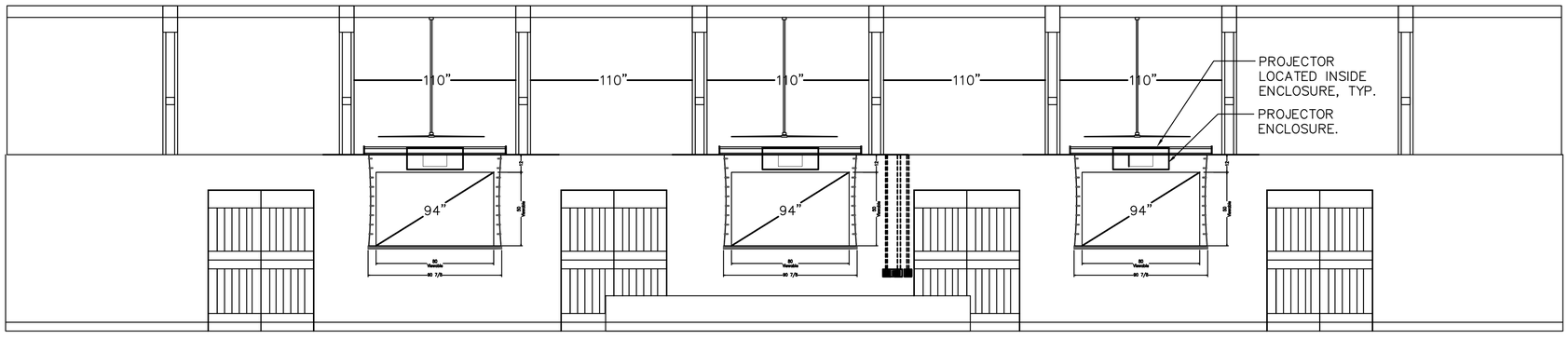
| | | | |
|---|---|---|---|
| DESIGNED: IEI<br>CADD: BH<br>TECH. REVIEW: GM<br>DATE: 07-15-2022 | SUB SHEET NO. T4.6 | TITLE OF SHEET<br>DETAILS – TECHNOLOGY<br>SAMO REBUILD PARAMOUNT RANCH<br>AGOURA HILLS, CALIFORNIA | DRAWING NO. ~~638~~ 182819<br>PMIS/PKG NO. 303051<br>SHEET 198 OF 200 |




NORTH

1 BARN BUILDING NORTH WALL ELEVATION DETAIL

NO SCALE




WEST

2 BARN BUILDING STAGE ELEVATION DETAIL

NO SCALE

ROOM SPACE PURPOSE: DISPLAY VIDEO SLIDESHOW WITHOUT ANY SMALL DETAILS

CEILING HEIGHT ON WALL: 10'.

PROJECTION SCREEN SIZE RESTRICTION:
- PROJECTOR SCREEN CASE MUST FIT IN BETWEEN CEILING TRUSSES.

RECOMMENDED PROJECTOR SCREEN:
DRAPER PREMIER 94" DIAGONAL SCREEN.

PROJECTOR SCREEN CASE OVERALL LENGTH: 97".

REGISTERED PROFESSIONAL ENGINEER
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No. E19320
Exp. 12/31/22
ELECTRICAL
STATE OF CALIFORNIA
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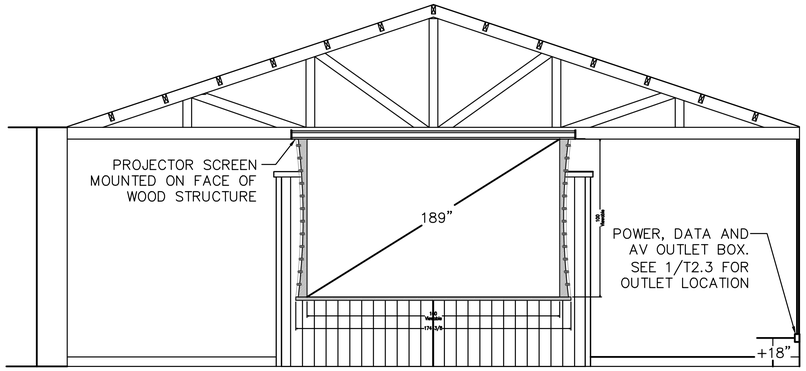
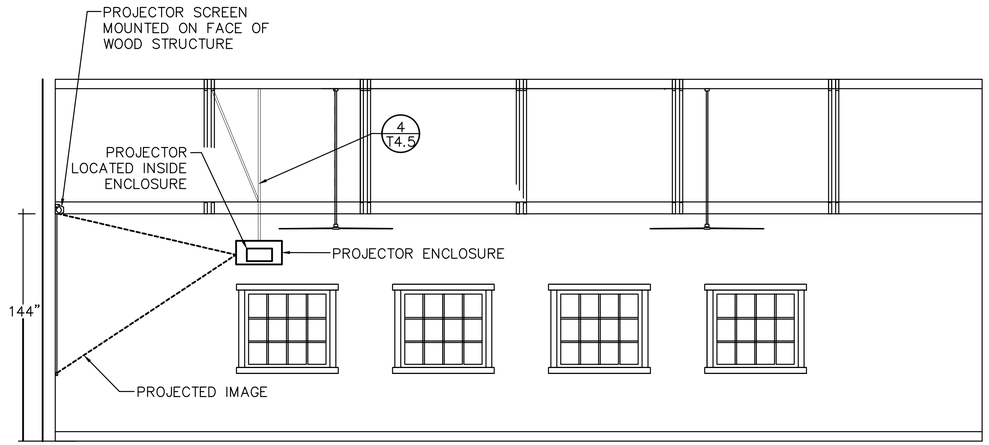
|---|---|---|---|
| IEI | T4.7 | DETAILS – TECHNOLOGY | 638 / 182819 |
| CADD: BH | | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: GM | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 199 OF 200 |
| DATE: 07-15-2022 | | | |




NORTH

## 1 SMALL EVENT BUILDING NORTH WALL ELEVATION DETAIL

NO SCALE




EAST

NOTE: PROJECTOR DISTANCE FROM THE SCREEN SHOWN ABOVE IS BASED ON THE PROJECTOR MANUFACTURER THROW DISTANCE CALCULATION WITH RESPECT TO THE PROJECTED SCREEN SIZE. AV CONTRACTOR TO VERIFY IN FIELD WHETHER OR NOT THE CEILING FAN WILL OBSTRUCT PROJECTED IMAGE SHOWN ON SCREEN PRIOR INSTALLING THE PROJECTOR AND ITS ENCLOSURE.

## 2 SMALL EVENT BUILDING EAST WALL ELEVATION DETAIL

NO SCALE

ROOM SPACE PURPOSE: CONFERENCE AND PRESENTATION READY, BE ABLE TO SHOW MORE DETAIL VIEW FROM PROJECTOR.

CEILING HEIGHT: 12'.

IN GENERAL:
BOTTOM OF PROJECTED IMAGE SHALL BE 40" TO 48" ABOVE GROUND BECAUSE AVERAGE HEIGHT OF HUMAN EYESIGHT WHEN SIT ON A CHAIR IS 43" ABOVE GROUND.

SCREEN MULTIPLIER = 6

SCREEN RATIO = 16:10

16:10 RATIO = (16 / 10) = (WIDTH / HEIGHT)

SCREEN HEIGHT = FARTHEST VIEWING DISTANCE / SCREEN MULTIPLIER
= 45 x 12" / 6
= 90"

SCREEN WIDTH = 16 * SCREEN HEIGHT / 10
= 16 * 90" / 10 =144" OR 12'

SCREEN DIAGONAL = (SCREEN HEIGHT^2 + SCREEN WIDTH^2)^(1/2)
= ((90^2)+(144^2))^(1/2)
= 170.88" OR 14.24'

RECOMMENDED PROJECTED IMAGE SIZE: 171" DIAGONAL.

RECOMMENDED SCREEN SIZE: DRAPER INC PREMIER XL 189" DIAGONAL.

100% FINAL CONSTRUCTION DOCUMENTS

REGISTERED PROFESSIONAL ENGINEER
THOMAS B. JUN
No. E19320
Exp. 12/31
ELECTRICAL
STATE OF CALIFORNIA
Signed: 7/26/22

| DESIGNED: | SUB SHEET NO. | TITLE OF SHEET | DRAWING NO. |
|---|---|---|---|
| IEI | | DETAILS – TECHNOLOGY | 638 182819 |
| CADD: BH | T4.8 | | PMIS/PKG NO. 303051 |
| TECH. REVIEW: GM | | SAMO REBUILD PARAMOUNT RANCH AGOURA HILLS, CALIFORNIA | SHEET 200 OF 200 |
| DATE: 07-15-2022 | | | |