

CONTROL TOWER CAB

Scale: 3/32" = 1'-0"

4

THIRD FLOOR TOWER

Scale: 3/32" = 1'-0"

3

SECOND FLOOR

Scale: 3/32" = 1'-0"

2

FACP FIRE ALARM CONTROL PANEL

GENERAL NOTES

- A. DESIGN AND PROVIDE FIRE DETECTIONS AND ALARM SYSTEM. COMPLY WITH SPECIFICATIONS SECTION 28 31 00, FIRE DETECTION AND FIRE ALARM SYSTEMS AND NEW MEXICO PUBLIC REGULATIONS COMMISSION FIRE MARSHAL'S OFFICE "PLAN REVIEW SUBMITTAL REQUIREMENTS."
- B. WORK SHALL BE COORDINATED WITH OTHER FIRE PROTECTION SYSTEMS INCLUDED IN THE PROJECT.
- C. ENTIRE ARE OF BUILDING SHOW IN FLOOR IN SHEET FD-101 AND FD-102 DEPICTS AREA TO BE INCLUDED IN DETECTION AND ALARM SYSTEM. REFER TO SHEET G-102 LIFE AND SAFETY & EGRESS PLANS.
- D. WORK SHALL BE COORDINATED WITH FIRE SUPPRESSION SYSTEM FOR THE PROJECT
- E. SEE SHEET G-101 FOR BUILDING CRITERIA: OCCUPANCY TYPE, CONSTRUCTION TYPE, AREAS AND LOCATIONS OF FIRE ALARM ANNUNCIATE PANEL AND FIRE ALARM CONTROL PANEL
- F. BIDDERS ARE ENCOURAGED TO VISIT SITE TO FAMILIARIZE THEMSELVES WITH EXISTING SYSTEM: PANELS, NOTIFICATION APPLIANCE(S), PULL STATIONS, ETC

MOLZENCORBIN

2701 Miles Road SE
Albuquerque, New Mexico 87106
505 242 5700 office
505 242 0673 fax
MolzenCorbin.com

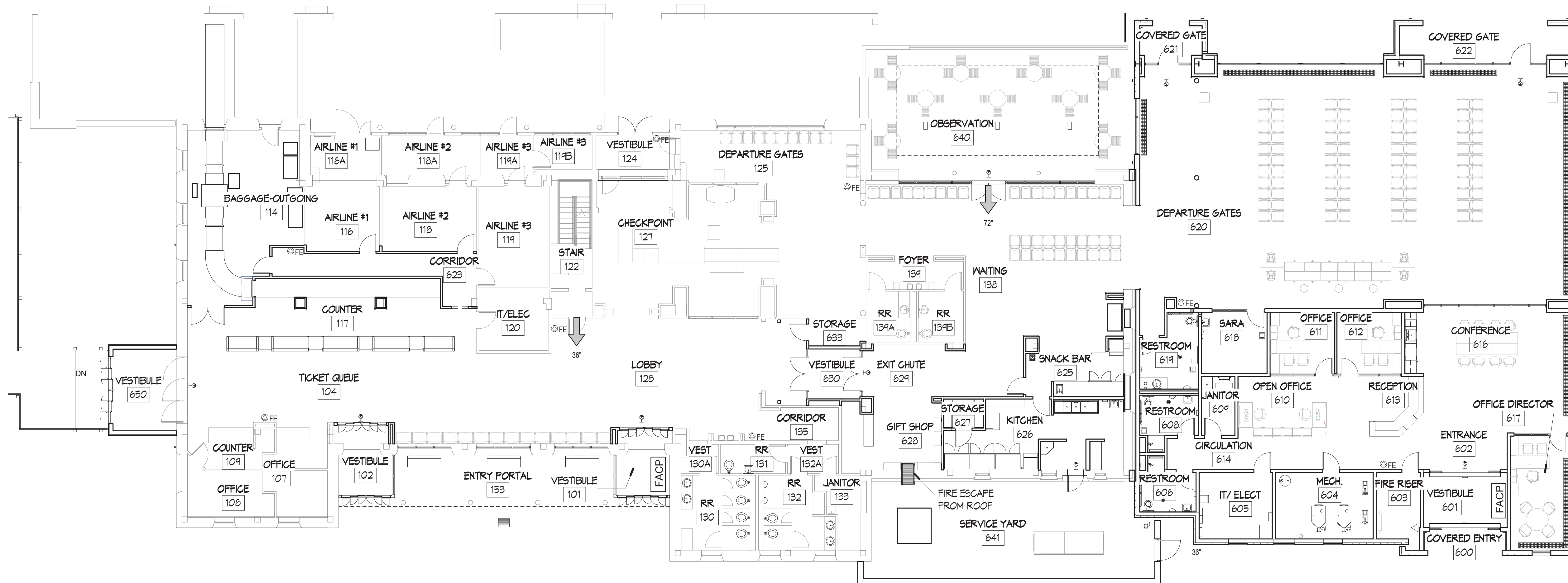
NOTICE OF EXTENDED PAYMENT PROVISION:
THIS CONTRACT ALLOWS THE OWNER TO MAKE
PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF
AN UNDISPUTED REQUEST FOR PAYMENT

NUMERIC SCALE CONFIRMATION

DRAWINGS ARE DEPICTED AT
INTENDED NUMERIC SCALES IF THIS
BAR EQUALS ONE INCH

REV NO	REV DATE	DESCRIPTION

PROJECT NUMBER: SAF182-13B
DESIGNED BY: JSA
DRAWN BY: JWS
CHECKED BY: JOP
PRIME DESIGN PROFESSIONAL: JOHN G. PATE, P.E.
PROJECT DATE: AUGUST 2021



0 5'-4" 10'-8" 21'-4"
SCALE: 3/32" = 1'-0"



BASE PLAN

Scale: 3/32" = 1'-0"

1

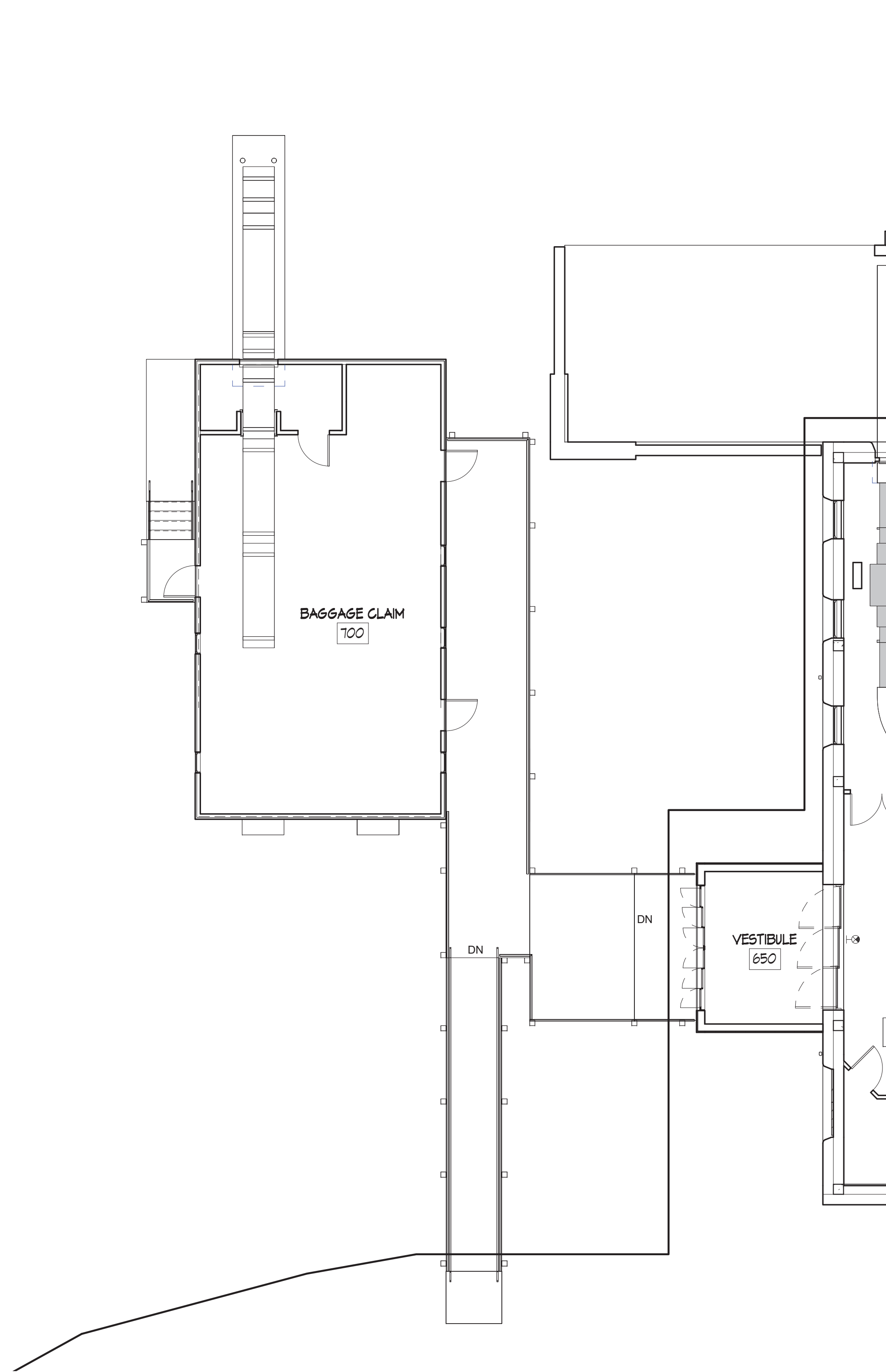
**FIRE ALARM AND DETECTION SYSTEMS BASE
PLAN FOR DELEGATED DESIGN**

**SANTA FE AIRPORT TERMINAL RENOVATION AND
EXPANSION
SANTA FE REGIONAL AIRPORT (SAF)
121 AVIATION DR. SANTA FE NM 87507**

FD-101

SHEET

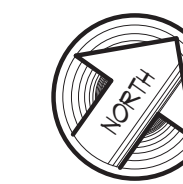
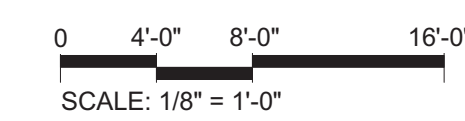
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FLOOR PLAN- NORTH EXPANSION 1
Scale: 1/8" = 1'-0"

GENERAL NOTES

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- C. ENTIRE ARE OF BUILDING SHOW IN FLOOR IN SHEET FD-101 AND FD-102 DEPICTS AREA TO BE INCLUDED IN DETECTION AND ALARM SYSTEM. REFER TO SHEET G-102 LIFE AND SAFETY & EGRESS PLANS.
- D. WORK SHALL BE COORDINATED WITH FIRE SUPPRESSION SYSTEM FOR THE PROJECT
- E. SEE SHEET G-101 FOR BUILDING CRITERIA: OCCUPANCY TYPE, CONSTRUCTION TYPE, AREAS AND LOCATIONS OF FIRE ALARM ANNUNCIATE PANEL AND FIRE ALARM CONTROL PANEL
- F. BIDDERS ARE ENCOURAGED TO VISIT SITE TO FAMILIARIZE THEMSELVES WITH EXISTING SYSTEM: PANELS, NOTIFICATION APPLIANCE(S), PULL STATIONS, ETC



PLAN NORTH

MOLZENCORBIN

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PRIME DESIGN PROFESSIONAL: JOHN G. PATE, P.E.
PROJECT DATE: AUGUST 2021

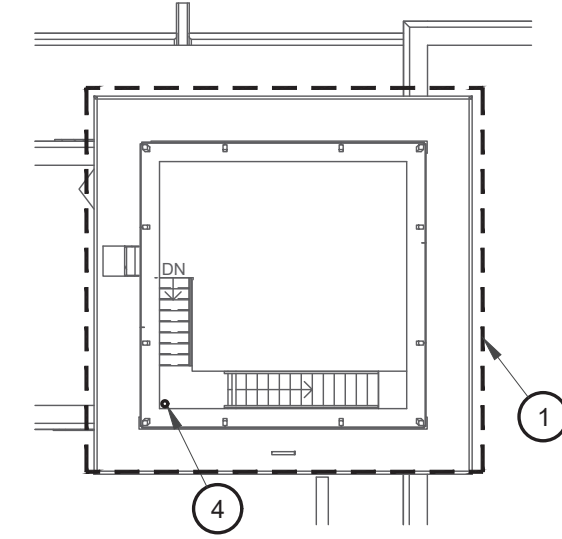
FIRE ALARM AND DETECTION SYSTEM BASE PLAN
FOR DELEGATED DESIGN

SANTA FE AIRPORT TERMINAL RENOVATION AND
EXPANSION
SANTA FE REGIONAL AIRPORT (SAF)
121 AVIATION DR. SANTA FE NM 87507

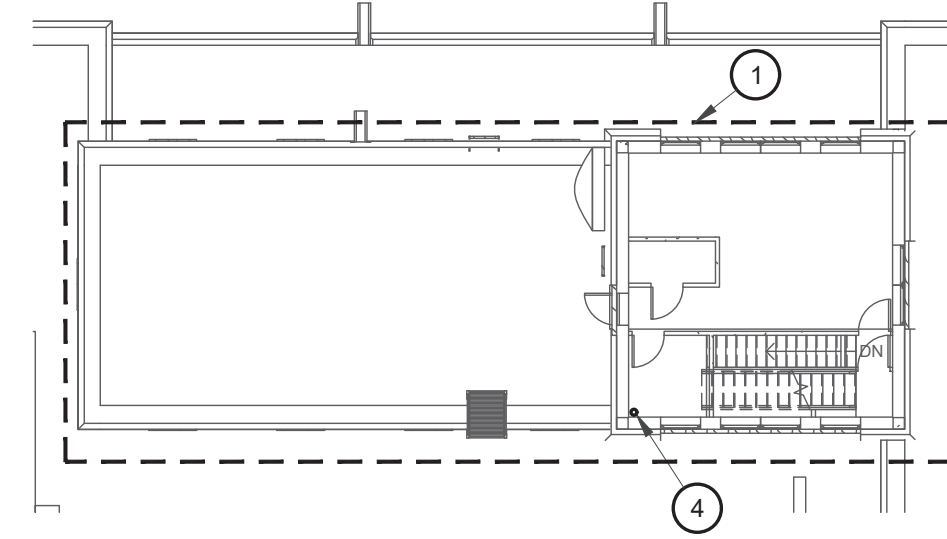
FD-102

SHEET

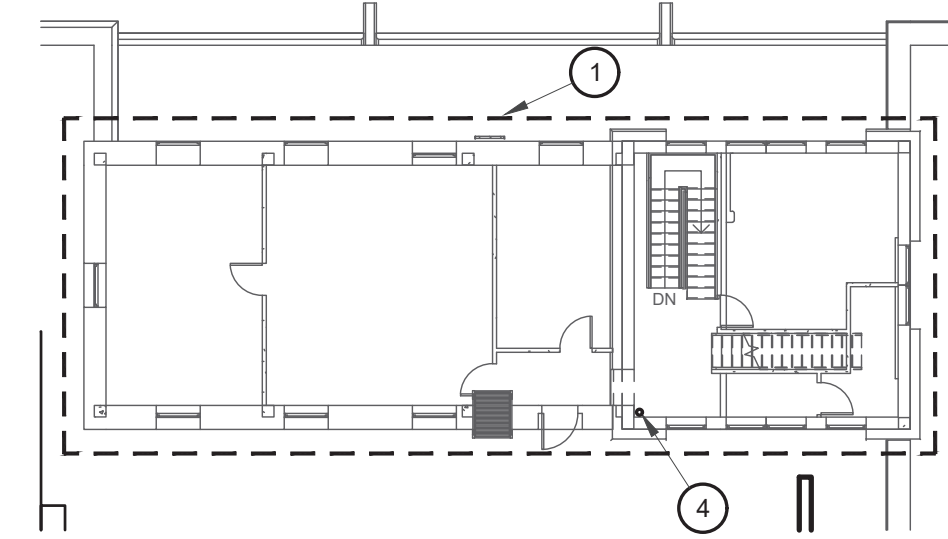
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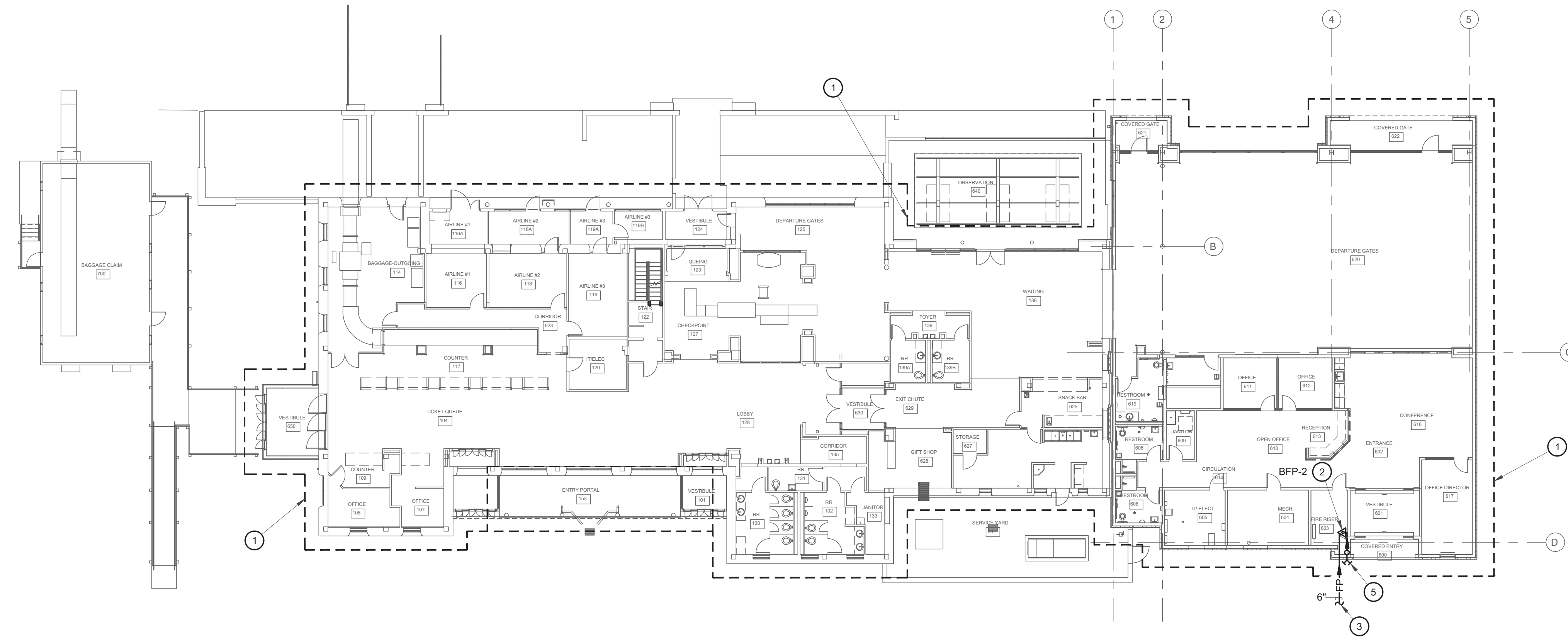
**FIRE PROTECTION PLAN
- CONTROL ROOM** ④
Scale: 1" = 20'



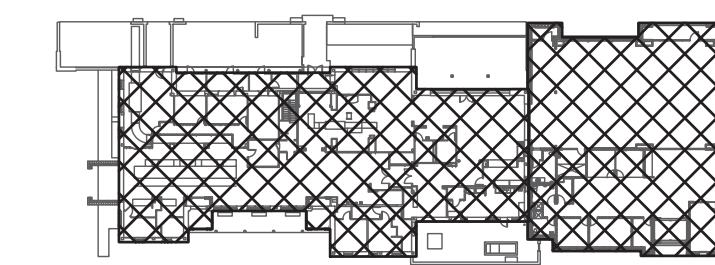
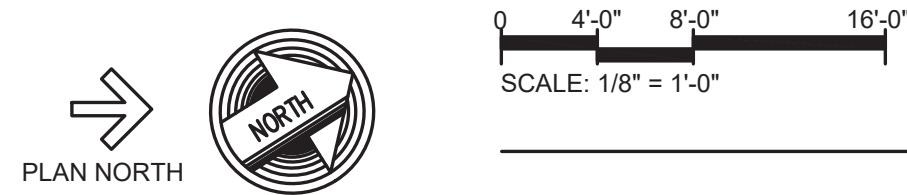
**FIRE PROTECTION PLAN
- THIRD FLOOR TOWER** ③
Scale: 1" = 20'



**FIRE PROTECTION PLAN
- SECOND FLOOR** ②
Scale: 1" = 20'



FIRE PROTECTION NEW WORK PLAN ①
Scale: 1" = 20'



KEYED PLAN

TESTUDO ENGINEERING
 4015 Carlisle Blvd NE Suite E
 Albuquerque, NM 87107
 WWW.TESTUDOENG.COM
 PH 505-554-1282

GENERAL NOTES

A. REFER TO SHEET FP-601 FOR DETAILS & GENERAL FIRE PROTECTION NOTES.

KEYED NOTES ○

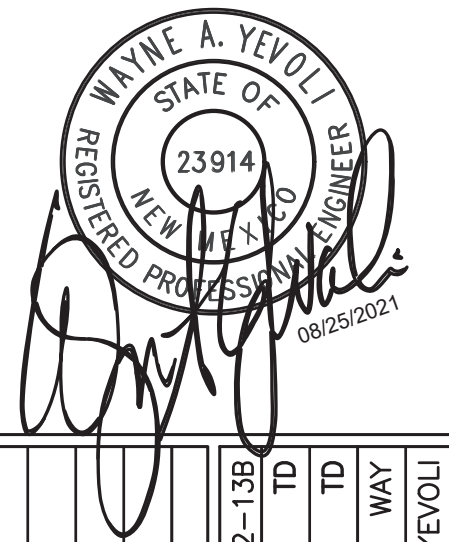
1. INSTALL FIRE SPRINKLER SYSTEM. REFER TO GENERAL FIRE PROTECTION NOTES FOR FURTHER DETAIL.
2. FIRE RISER PER DETAIL.
3. REFER TO CIVIL PLANS FOR CONTINUATION.
4. LOCATION OF FIRE PROTECTION PIPING IN INTERMEDIATE LANDING LOCATIONS. OFFSET AS REQUIRED.
5. WALL MOUNTED FIRE DEPARTMENT CONNECTION. COORDINATE EXACT LOCATION WITH OTHER UTILITIES.

MOLZENCORBIN

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 MolzenCorbin.com

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NUMERIC SCALE CONFIRMATION
 DRAWINGS ARE DEPICTED AT INTENDED
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 IF THIS BAR EQUALS ONE INCH



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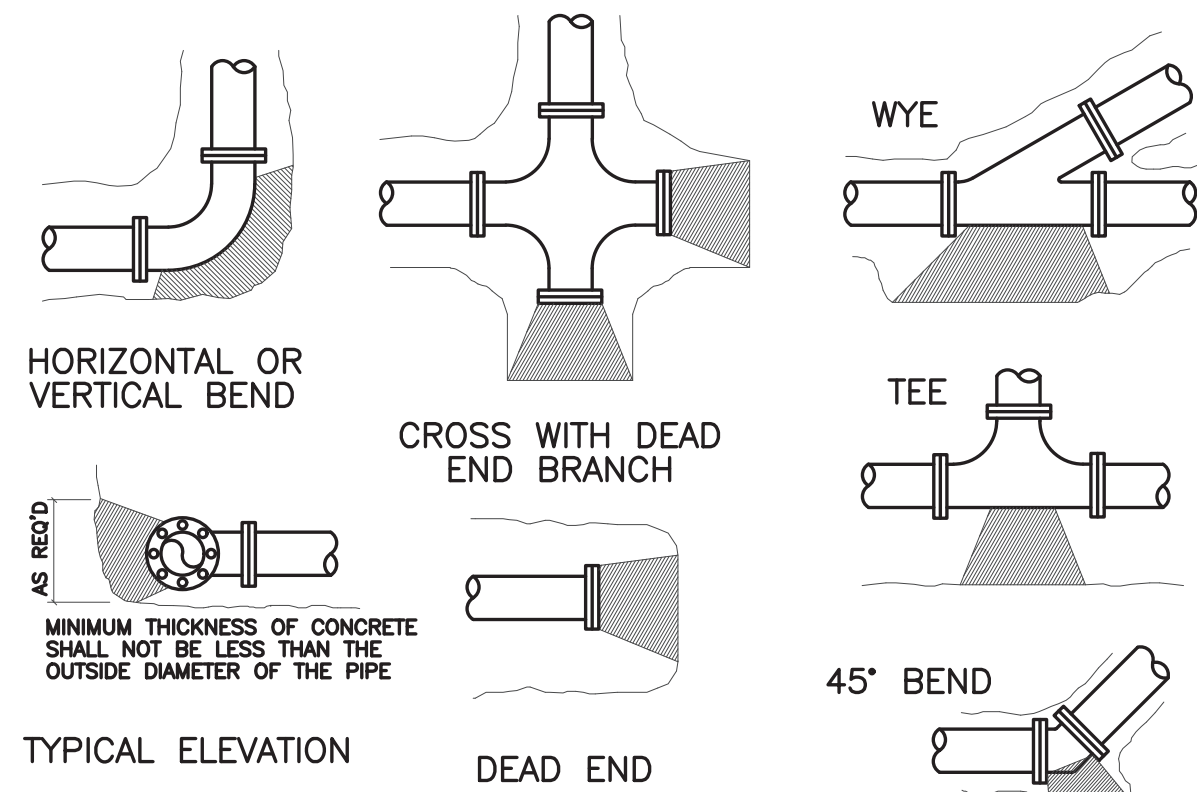
PROJECT NUMBER: SAF182-13B
 DESIGNED BY: TD
 DRAWN BY: WAY
 CHECKED BY: WAYNE A. YEVOLI
 PRIME DESIGN PROFESSIONAL: WAYNE A. YEVOLI
 PROJECT DATE: AUGUST 2021

FIRE PROTECTION NEW WORK PLAN

SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
 SANTA FE REGIONAL AIRPORT
 121 AVIATION DR. SANTA FE NM 87507

FP-101

SHEET



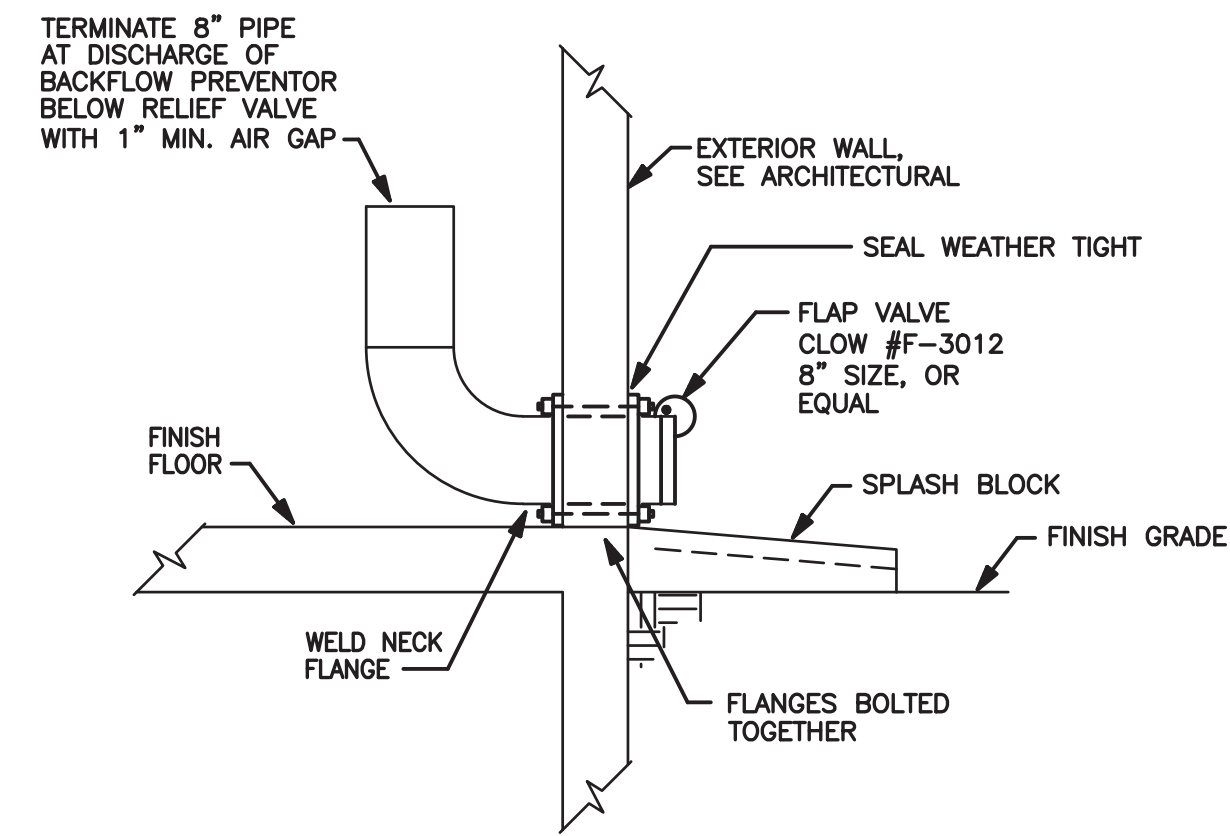
1. PROVIDE BEND BREAK BETWEEN FITTINGS AND CONCRETE AT DEAD ENDS.
2. THRUST BLOCKING SHALL BE CAST IN PLACE CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
3. THRUST BLOCKING SHALL BE CAST AGAINST UNDISTURBED EARTH. FORMS SHALL BE USED AS REQUIRED. CONCRETE SHALL NOT BE ALLOWED TO SPILL OVER THE JOINT OR AGAINST THE PIPE.

PIPE SIZE	BENDS				TEES	PLUGS
	90°	45°	22-1/2'	11-1/4'		
4	1.50	.75	.50	0.00	1.00	1.00
6	3.00	1.75	1.00	0.00	2.25	2.25
8	5.50	3.00	1.50	1.00	3.75	3.75
10	8.50	4.50	2.50	1.50	6.00	6.00

AREAS BASED ON INTERNAL STATIC PRESSURE OF 150 P.S.I. AND A SOIL BEARING CAPACITY OF 2000 P.S.I.

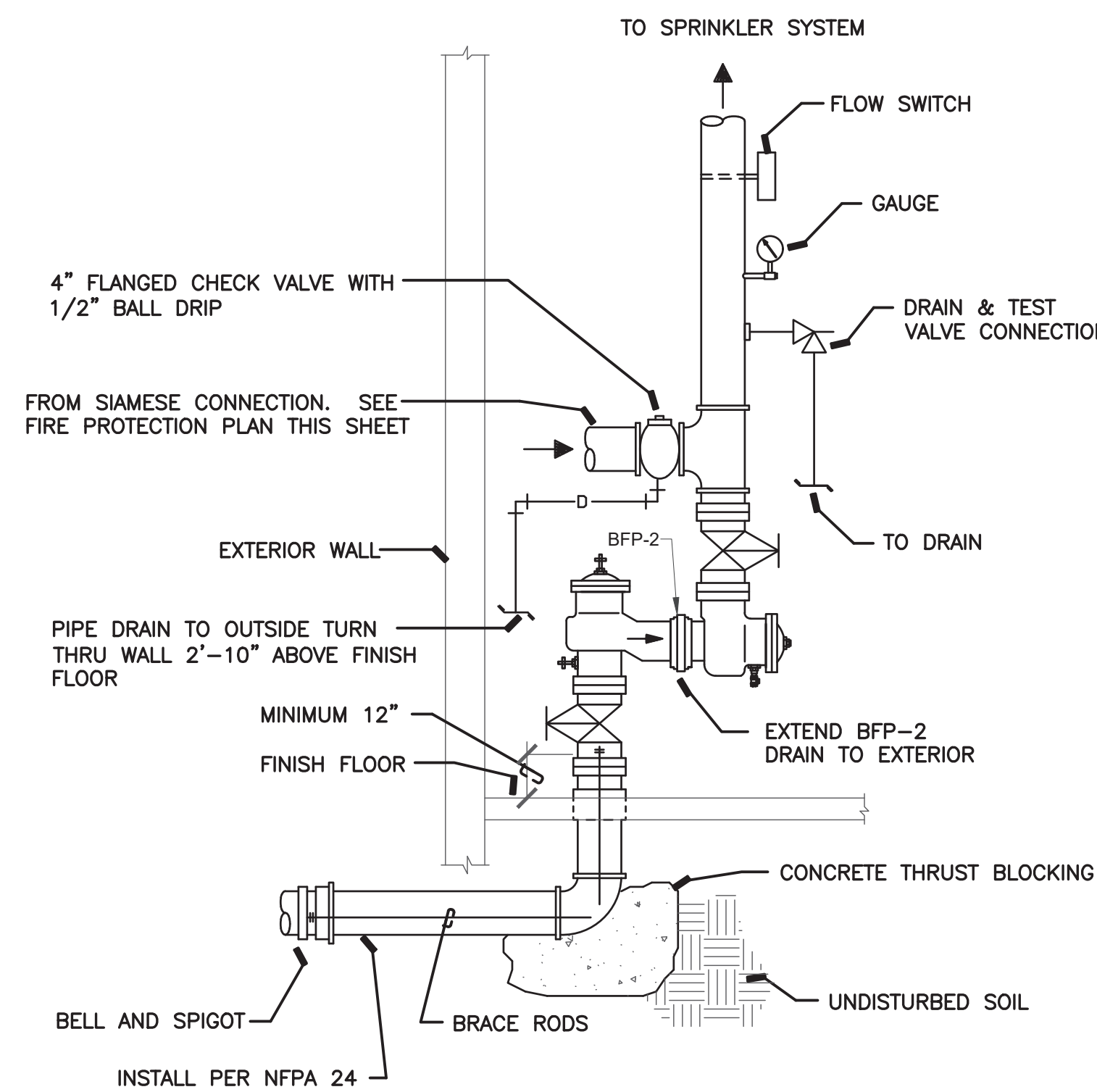
CONCRETE THRUST BLOCKING

NOT TO SCALE



FIRE RISER DRAIN DETAIL

SCALE: NONE



FIRE ALARM VALVE DETAIL

SCALE: NONE

FIRE PROTECTION GENERAL NOTES

FIRE PROTECTION NOTES

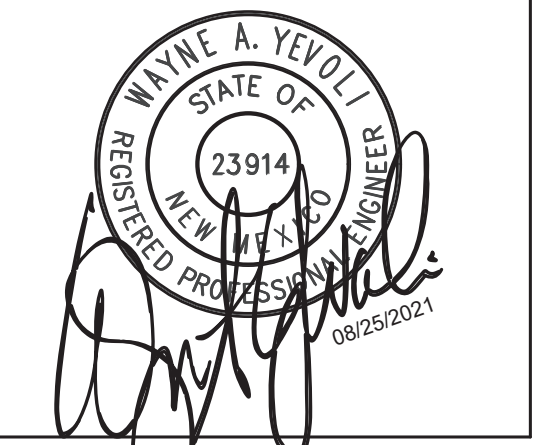
- THE ENTIRE BUILDING SHALL BE PROVIDED WITH A COMPLETE AUTOMATIC, WET PIPE, FIRE PROTECTION SPRINKLER SYSTEM. IN AREAS WITH CEILINGS, ALL PIPING SHALL BE CONCEALED. IN AREAS WHERE PIPING IS EXPOSED, ALL PIPE, FITTINGS AND HANGERS SHALL BE PAINTED, COLOR AS DIRECTED BY ARCHITECT. ALL EXPOSED PIPING SHALL BE RUN AS HIGH AS POSSIBLE AND SHALL BE COORDINATED WITH STRUCTURE, DUCTWORK, ROOF OPENINGS AND LIGHTING TO BE AS INCONSPICUOUS AS POSSIBLE. LAYOUT SHALL BE SUBMITTED FOR APPROVAL TO CITY OF SANTA FE FIRE DEPARTMENT, CITY OF SANTA FE, BUILDING AND INSPECTION DEPARTMENT AND THE ARCHITECT. ALL REQUIRED APPROVALS SHALL BE OBTAINED BEFORE ORDERING MATERIALS OR BEGINNING FABRICATION. ALL HEADS SHALL BE CHROME PLATED, TEMPERATURE RATED AT 165 DEGREES F., EXCEPT 212 DEGREES F IN MECHANICAL ROOMS AND OTHER AREAS AS OUTLINED IN NFPA 13.
- DESIGN AND INSTALLATION SHALL CONFORM TO THE LATEST EDITIONS OF NFPA 13, 101, AND I.B.C. AND THE SPECIFICATIONS.
 1. THE ENTIRE BUILDING INCLUDING ALL UPPER FLOORS INCLUDING CONTROL TOWERS SHALL BE PROTECTED USING A HAZARD CLASSIFICATION OF LIGHT HAZARD.
 2. PIPE ROUTING AT EXPOSED WOOD CEILINGS SHALL BE ROUTED PER PLANS AND PER ARCHITECTS DIRECTION.
 3. BRASS COLOR HEADS SHALL BE USED AT ALL WOOD CEILINGS.
 4. INSTALL NEW BACKFLOW PREVENTION DEVICE PER CITY OF SANTA FE REQUIREMENTS AND SPECIFICATION.
 5. THE CONTROL TOWER AND ALL UPPER LEVELS SHALL BE PROVIDED WITH FIRE PROTECTION INCLUDING FIRE HOSE CABINETS. THE CONTRACTOR SHALL LOCATE PIPING TO BE CLEAR OF TOWER STAIRS AND SHALL NOT BLOCK CLEAR LINE OF SITE.
- DUE TO LIMITED CEILING SPACE, COORDINATION WITH OTHER TRADES SHALL BE REQUIRED PRIOR TO ANY PIPING INSTALLATION. IF SPRINKLER CONTRACTOR FAILS TO PROPERLY COORDINATE HIS PIPING WITH OTHER TRADES, RELOCATION OF SPRINKLER PIPING, ETC. SHALL BE AT HIS OWN EXPENSE, AS DIRECTED BY THE ARCHITECT AND ENGINEER.
- SPRINKLER SHOP DRAWINGS SHALL SHOW ALL DUCTWORK, DIFFUSER LOCATIONS, LIGHTS, BUS DUCTS AND OTHER PIPING MAINS, ETC., REQUIRING COORDINATION WITH SPRINKLER MAINS, SPRINKLER HEADS, ETC.
- COORDINATE LOCATIONS OF FLOW SWITCHES AND TAMPER SWITCHES WITH ELECTRICAL CONTRACTOR AND PAY FOR ALL REQUIRED ELECTRICAL CONNECTIONS BACK TO MAIN FIRE ALARM PANEL FROM ALL FLOW SWITCHES AND TAMPER SWITCHES.
- PROVIDE AND INSTALL "DRY-TYPE", PENDENT (FREEZE-PROOF) SPRINKLER HEADS AT ALL UNHEATED SPACES, DOCK OVERHANG AND AT ALL LOCATIONS SUBJECT TO FREEZING.
- THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXISTING SITE CONDITIONS, WATER PRESSURE AND FIRE FLOW, BEFORE SUBMITTING HIS BID. THIS CONTRACTOR SHALL EXTEND NEW FIRE PROTECTION SUPPLY PIPING FROM EXISTING FIRE PROTECTION RISER FLANGE IN FIRE PROTECTION RISER ROOM TO ENTIRE BUILDING.
- CONTRACTOR SHALL PROVIDE COMPLETE HYDRAULIC CALCULATIONS FOR THE FIRE PROTECTION SYSTEMS.

MOLZENCORBIN

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Albuquerque, New Mexico 87106
505 242 5700 office
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MolzenCorbin.com

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NUMERIC SCALE CONFIRMATION
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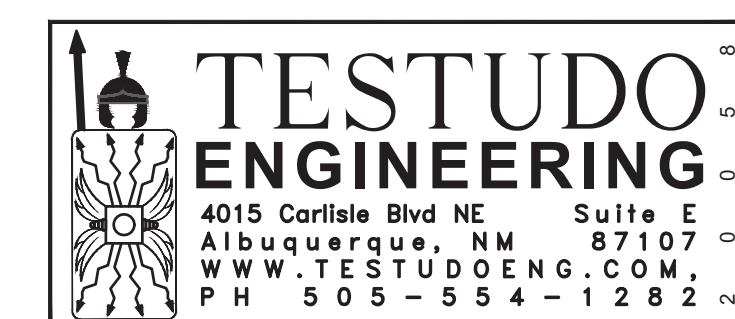
REV NO	REV DATE	DESCRIPTION
PROJECT NUMBER:	SAF182-13B	TD
DESIGNED BY:		TD
DRAWN BY:		WAY
CHECKED BY:		WAY
PRIME DESIGN PROFESSIONAL:	WAYNE A. YEVOLI	
PROJECT DATE:	AUGUST 2021	

FIRE PROTECTION DETAILS & GENERAL NOTES

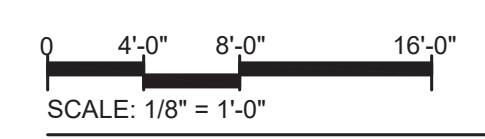
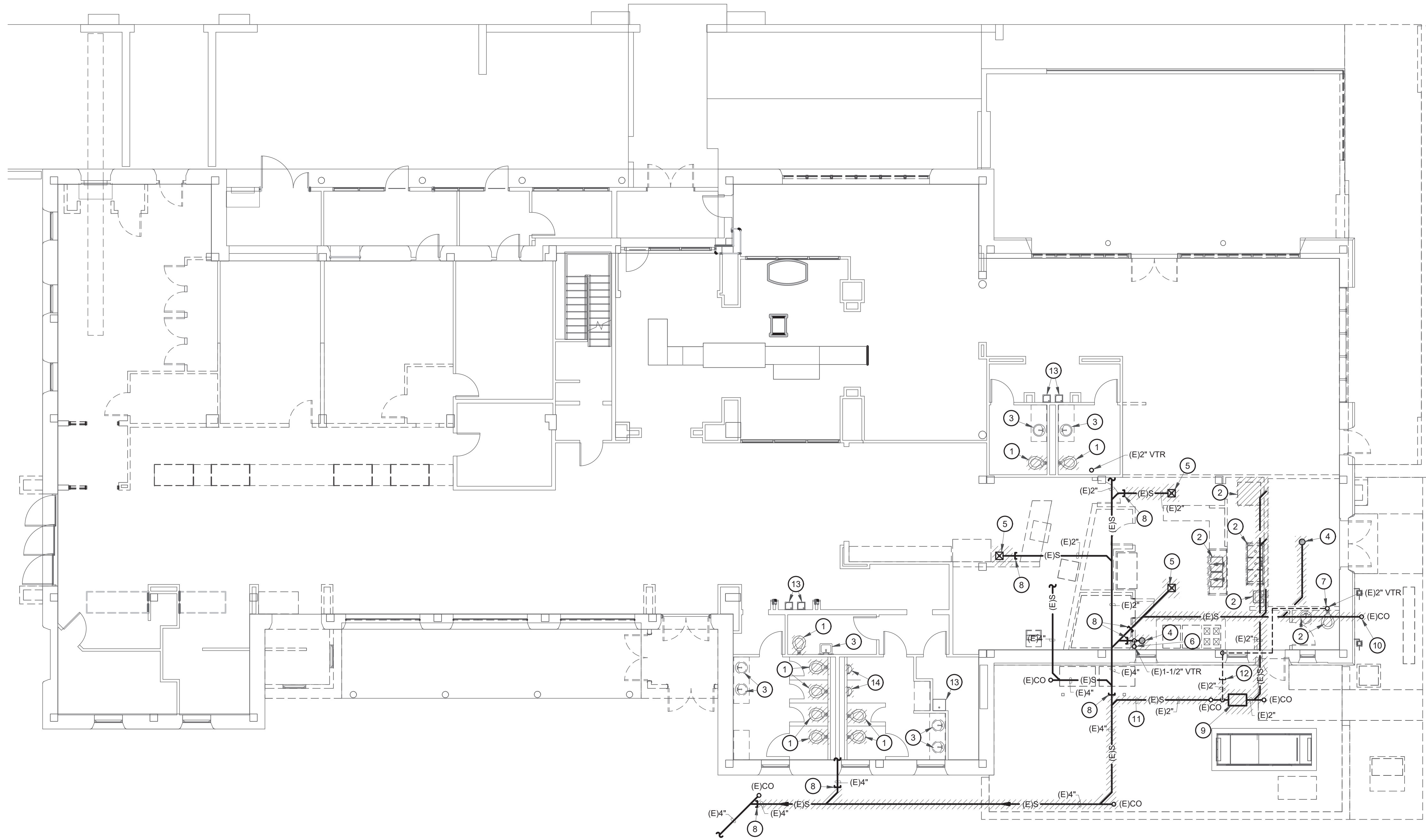
SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
SANTA FE REGIONAL AIRPORT
121 AVIATION DR. SANTA FE NM 87507

FP-601

SHEET



DATE: 8/22/2021 4:52 PM
 SAVE DATE: 8/22/2021 4:15 PM
 PROJECT: 20200008 SF REGIONAL AIRPORT GADP/URMINE'S 0008A_PD-101



PLUMBING DEMOLITION WASTE AND VENT PLAN - MAIN TERMINAL ①
 Scale: 1/8" = 1'-0"

GENERAL NOTES

- A. REFER TO SHEET P-501 FOR DETAILS.
- B. REFER TO SHEET P-601 SCHEDULES, NOTES AND LEGEND.

KEYED NOTES ○

1. EXISTING WATER CLOSET TO BE REMOVED AND REPLACED. FIELD VERIFY EXISTING CONDITIONS.
2. DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURE. REMOVE EXISTING SEWER PIPING BELOW FLOOR AS SHOWN. REMOVE VENT IN CEILING SPACE. FIELD VERIFY EXISTING CONDITIONS.
3. EXISTING LAVATORY TO REMAIN. CONTRACTOR SHALL REMOVE AND REPLACE LAVATORY FAUCET. FIELD VERIFY EXISTING CONDITIONS.
4. DISCONNECT AND REMOVE EXISTING FLOOR DRAIN. FIELD VERIFY EXISTING CONDITIONS.
5. DISCONNECT AND REMOVE EXISTING FLOOR SINK. FIELD VERIFY EXISTING CONDITIONS.
6. REMOVE AND DISPOSE EXISTING VENT THROUGH ROOF AND VENT PIPING AS SHOWN. FIELD VERIFY EXISTING CONDITIONS.
7. EXISTING VENT THROUGH ROOF TO REMAIN.
8. CAP EXISTING SEWER LINE AT THIS LOCATION AND REMOVE PIPING AS SHOWN. FIELD VERIFY EXISTING CONDITIONS.
9. DISCONNECT, REMOVE AND DISPOSE EXISTING GREASE INTERCEPTOR. FIELD VERIFY EXISTING CONDITIONS.
10. REMOVE EXISTING CLEAN OUT TO GRADE AND EXISTING SEWER PIPING AS SHOWN. FIELD VERIFY EXISTING CONDITIONS.
11. DISCONNECT AND REMOVE EXISTING 2" SANITARY SEWER AS SHOWN. REFER TO PLUMBING PLAN FOR 3" SANITARY SEWER PIPING. FIELD VERIFY EXISTING CONDITIONS.
12. DISCONNECT AND CAP EXISTING 2" VENT BELOW GRADE AT THIS LOCATION. REMOVE VENT PIPING AS SHOWN. FIELD VERIFY EXISTING CONDITIONS.
13. EXISTING PLUMBING FIXTURE TO REMAIN.
14. EXISTING URINAL TO BE REMOVED AND REPLACED. FIELD VERIFY EXISTING CONDITIONS.

GENERAL NOTE:
 CONTRACTOR SHALL REMOVE ALL VENT PIPING, TRAP PRIMER PIPING, ETC. CONNECTED TO EACH PLUMBING EQUIPMENT OR FIXTURE SHOWN. CONTRACTOR SHALL KEEP ALL PIPING INTACT FOR PLUMBING FIXTURES AND EQUIPMENT TO REMAIN. SEE PLUMBING SHEETS.

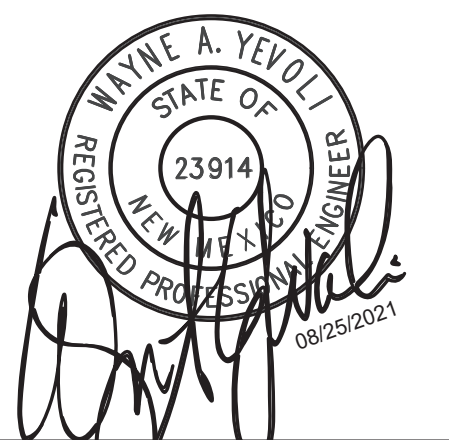
TESTUDO ENGINEERING
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 Albuquerque, NM 87107
 WWW.TESTUDOENG.COM
 PH 505-554-1282

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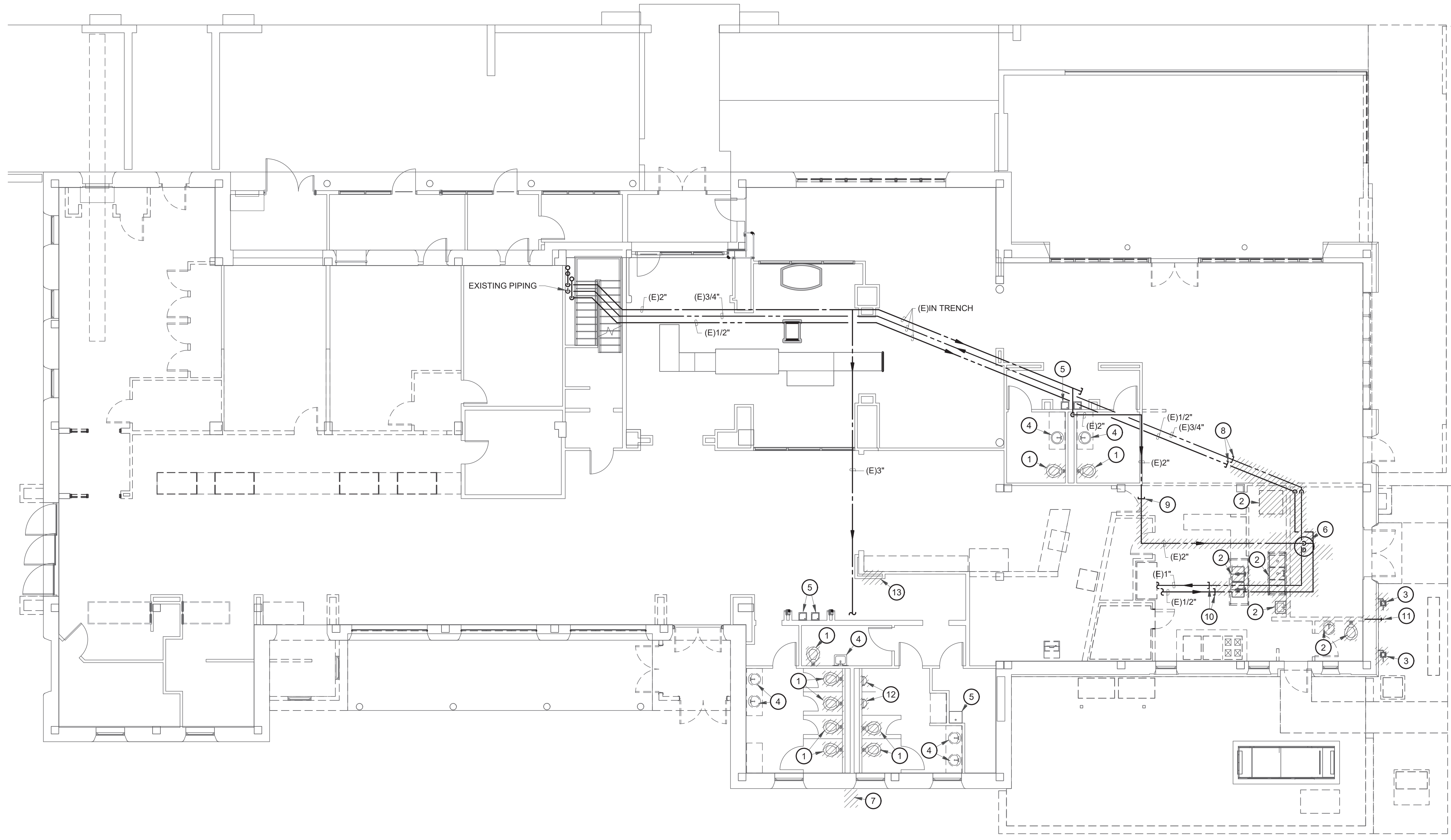
**MAIN TERMINAL
 PLUMBING DEMOLITION WASTE & VENT PLAN**

SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
 SANTA FE REGIONAL AIRPORT
 121 AVIATION DR. SANTA FE NM 87507

PD-101

SHEET

DATE: 8/22/2021 4:52 PM
 SAVE DATE: 8/22/2021 4:14 PM
 2\PROJECTS\2020\0008 SF REGIONAL AIRPORT\CAO\DWG\MOLZEN\0008a_102



GENERAL NOTES

- A. REFER TO SHEET P-501 FOR DETAILS.
- B. REFER TO SHEET P-601 SCHEDULES, NOTES AND LEGEND.

KEYED NOTES ○

1. EXISTING WATER CLOSET TO BE REMOVED, DISPOSE AND REPLACED. FIELD VERIFY EXISTING CONDITIONS.
2. DISCONNECT, REMOVE AND DISPOSE EXISTING PLUMBING FIXTURE. REMOVE WATER PIPING IN CEILING SPACE AS SHOWN. FIELD VERIFY EXISTING CONDITIONS.
3. DISCONNECT AND RELOCATE EXISTING GAS METER. FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH LOCAL GAS COMPANY.
4. EXISTING LAVATORY TO REMAIN. CONTRACTOR SHALL REMOVE AND REPLACE LAVATORY FAUCET. FIELD VERIFY EXISTING CONDITIONS.
5. EXISTING PLUMBING FIXTURE TO REMAIN.
6. REMOVE AND DISPOSE EXISTING WATER HEATER, COMPLETELY. FIELD VERIFY EXISTING CONDITIONS.
7. DISCONNECT, REMOVE AND DISPOSE EXISTING LANDSCAPING BACKFLOW PREVENTER AT THIS LOCATION. CAP WATER AS REQUIRED. FIELD VERIFY EXISTING CONDITIONS.
8. CAP EXISTING 3/4\" HW AND EXISTING 1/2\" HWR IN TRENCH AT THIS LOCATION AND REMOVE PIPING AS SHOWN. FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH ARCHITECT.
9. CAP EXISTING 2\" CW IN CEILING SPACE AT THIS LOCATION AND REMOVE CW PIPING AS SHOWN. FIELD VERIFY EXISTING CONDITIONS.
10. CAP EXISTING 1\" HW AND EXISTING 1/2\" HWR IN CEILING SPACE AT THIS LOCATION AND REMOVE PIPING AS SHOWN. FIELD VERIFY EXISTING CONDITIONS.
11. DISCONNECT, REMOVE AND DISPOSE EXISTING WALL HYDRANT. REMOVE CW PIPING BACK TO MAIN 2\". FIELD VERIFY EXISTING CONDITIONS.
12. EXISTING URINAL TO BE REMOVED, DISPOSE AND REPLACED. FIELD VERIFY EXISTING CONDITIONS.
13. REMOVE AND DISPOSE EXISTING FIRE HYDRANT AND CABINET. FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH ARCHITECT.

GENERAL NOTE:

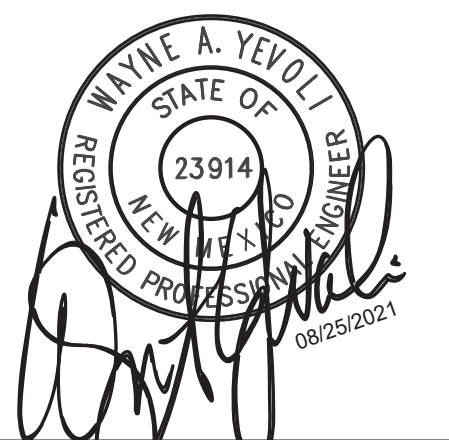
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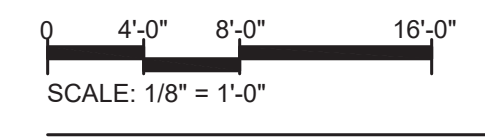
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CHECKED BY:	PRIME DESIGN PROFESSIONAL	WAYNE A. YEVOLI
PROJECT DATE:		AUGUST 2021

**MAIN TERMINAL
 PLUMBING DEMOLITION WATER PLAN**

SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
 SANTA FE REGIONAL AIRPORT
 121 AVIATION DR. SANTA FE NM 87507



PLUMBING DEMOLITION WATER PLAN - MAIN TERMINAL ①

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PD-102

SHEET

GENERAL NOTES

- A. REFER TO SHEET P-601 FOR LEGEND, NOTES AND SCHEDULES.
- B. REFER TO SHEET P-501 FOR DETAILS.

KEYED NOTES

1. 2" VENT FROM BELOW FLOOR UP IN WALL TO CEILING SPACE AND ROUTE AS SHOWN. FIELD VERIFY EXISTING CONDITIONS.
2. CONNECT 4" SANITARY SEWER TO EXISTING 4" SANITARY SEWER BELOW FINISHED FLOOR AT THIS LOCATION. FIELD VERIFY EXISTING CONDITIONS.
3. CONNECT 4" SANITARY SEWER TO EXISTING 4" SANITARY SEWER BELOW GRADE AT THIS LOCATION. FIELD VERIFY EXISTING CONDITIONS.
4. CONNECT 2" VENT TO EXISTING 2" VENT AT THIS LOCATION. FIELD VERIFY EXISTING CONDITIONS.
5. INSTALL WATER CLOSET AND CONNECT TO EXISTING UTILITIES. FIELD VERIFY EXISTING CONDITIONS.
6. INSTALL FAUCET (F-1) ON EXISTING LAVATORY AND CONNECT TO EXISTING UTILITIES. FIELD VERIFY EXISTING CONDITIONS.
7. EXISTING PLUMBING FIXTURE TO REMAIN.
8. REFER TO CIVIL PLANS FOR CONTINUATION.
9. REFER TO GREASE INTERCEPTOR DETAIL.
10. INSTALL URINAL AND CONNECT TO EXISTING UTILITIES. FIELD VERIFY EXISTING CONDITIONS.
11. 3" ROOF DRAIN LEADER FROM ROOF DRAIN DOWN ALONG EXTERIOR COLUMN TO BELOW GRADE AND ROUTE AS SHOWN. PROVIDE SELF REGULATING HEAT TRACE CABLE SIMILAR TO CHROMALOX #30 FOR ROOF DRAIN LINES LOCATED BELOW ROOF AND ALONG COLUMN. INSTALL HEAT TRACE CABLE AND INSULATION PER MANUFACTURER'S REQUIREMENTS. COORDINATE HEAT TRACE WITH ELECTRICAL.
12. FULL SIZE DRAIN FROM UNIT AND DRAIN PAN DOWN THROUGH ROOF AND ROUTE AS SHOWN. ALL HORIZONTAL DRAIN LINES SHALL SLOPE AT 1/8" PER FOOT TOWARDS DISCHARGE POINT.
13. 2" DRAIN LINE DOWN IN WALL. ELBOW THROUGH EXTERIOR WALL AND TERMINATE WITH DOWNSPOUT AT 18" ABOVE FINISH GRADE.
14. 1-1/2" DRAIN LINE DOWN IN WALL AND TERMINATE AT EXISTING MOP SINK WITH AIR GAP. FIELD VERIFY EXISTING CONDITIONS.
15. 2" DRAIN LINE DOWN IN WALL AND TERMINATE AT EXISTING MOP SINK WITH AIR GAP. FIELD VERIFY EXISTING CONDITIONS.

MOLZENCORBIN

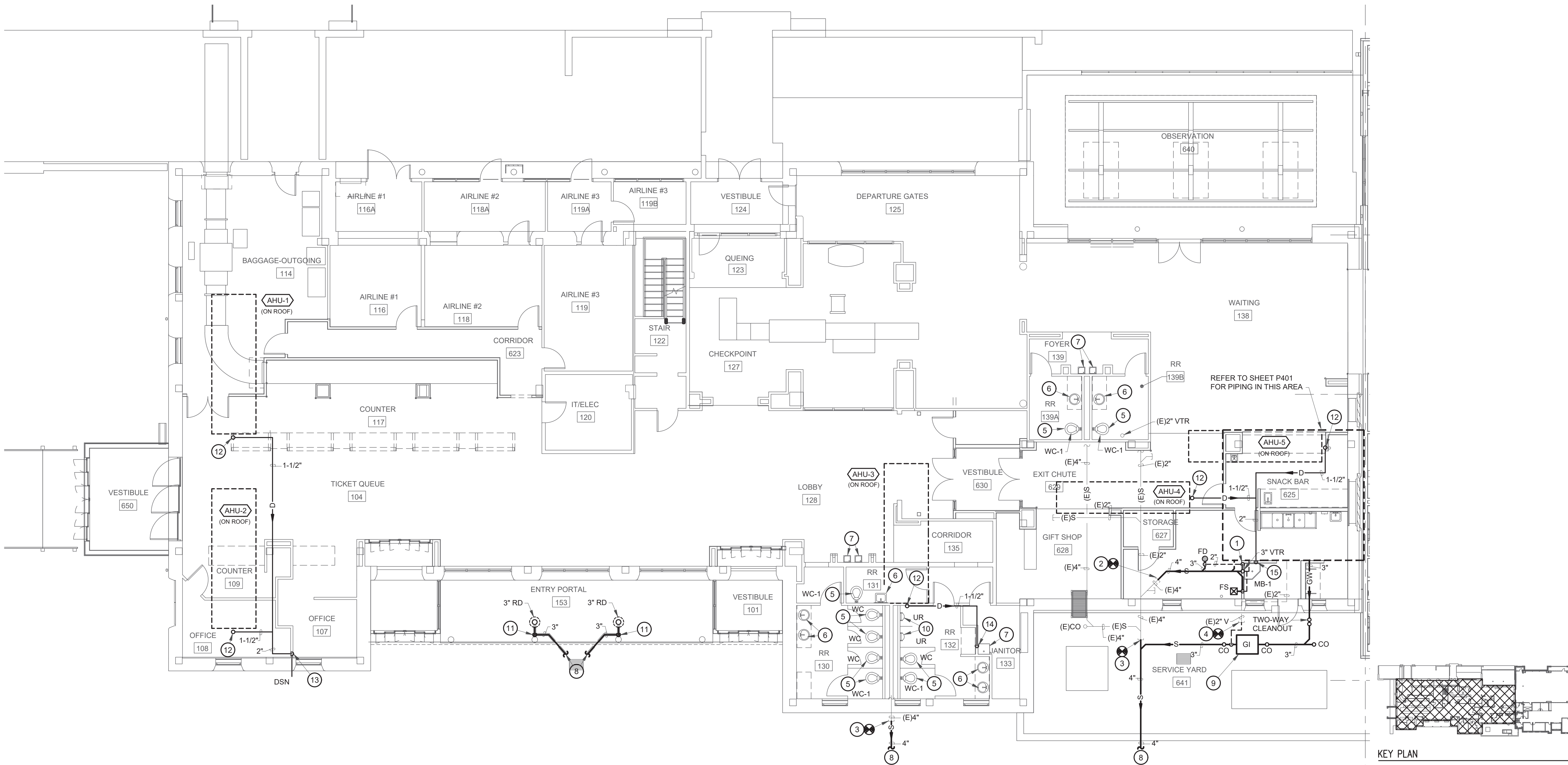
2701 Miles Road SE
 Albuquerque, New Mexico 87106
 505 242 5700 office
 505 242 0673 fax
 MolzenCorbin.com

*NOTICE OF EXTENDED PAYMENT PROVISION:
 THIS CONTRACT ALLOWS THE OWNER TO MAKE
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 OF AN UNDISPUTED REQUEST FOR PAYMENT*

NUMERIC SCALE CONFIRMATION
 DRAWINGS ARE DEPICTED AT INTENDED
 NUMERIC SCALES
 IF THIS BAR EQUALS ONE INCH



REV NO	REV DATE	DESCRIPTION
PROJECT NUMBER:	SAF182-13B	TD
DESIGNED BY:		TD
DRAWN BY:		WAY
CHECKED BY:		WAY
PRIME DESIGN PROFESSIONAL:	WAYNE A. YEVOLI	
PROJECT DATE:	AUGUST 2021	



PLUMBING WASTE & VENT PLAN - MAIN TERMINAL 1

Scale: 1/8" = 1'-0"

TESTUDO ENGINEERING
 4015 Carlisle Blvd NE Suite E
 Albuquerque, NM 87107
 WWW.TESTUDOENG.COM
 PH 505-554-1282

**MAIN TERMINAL
 PLUMBING WASTE & VENT PLAN**

SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
 SANTA FE REGIONAL AIRPORT
 121 AVIATION DR. SANTA FE NM 87507

P-101

SHEET

DATE: 8/25/2021 4:52 PM
 SAVE DATE: 8/25/2021 4:18 PM
 Z:\PROJECTS_2020\20098_SF_REGIONAL_AIRPORT_GAD\DRAWINGS\0009a_p-101

GENERAL NOTES

- A. REFER TO SHEET P-601 FOR LEGEND, NOTES AND SCHEDULES.
- B. REFER TO SHEET P-501 FOR DETAILS.

KEYED NOTES

1. CONNECT 2" CW TO EXISTING 2" CW IN CEILING SPACE AT THIS LOCATION AND ROUTE AS SHOWN. FIELD VERIFY EXISTING CONDITIONS.
2. CONNECT 1" HW AND 1/2" HWR TO EXISTING 1" HW AND EXISTING 1/2" HWR IN CEILING SPACE AT THIS LOCATION AND ROUTE AS SHOWN. FIELD VERIFY EXISTING CONDITIONS.
3. 3/4" CW/HW DOWN IN WALL TO MOP BASIN.
4. 1/2" CW DOWN ALONG WALL AND CAPPED FOR FUTURE WATER FILTER AND FUTURE ICE MACHINE.
5. 3/4" CW DOWN IN WALL TO HOSE BIBB. FIELD VERIFY EXISTING CONDITIONS.
6. CONNECT 3/4" HW AND 1/2" HWR TO EXISTING 3/4" HW AND EXISTING 1/2" HWR BELOW FLOOR AT THIS LOCATION AND ROUTE AS SHOWN. FIELD VERIFY EXISTING CONDITIONS.
7. INSTALL WATER CLOSET AND CONNECT TO EXISTING UTILITIES. FIELD VERIFY EXISTING CONDITIONS.
8. INSTALL FAUCET (F-1) ON EXISTING LAVATORY AND CONNECT TO EXISTING UTILITIES. FIELD VERIFY EXISTING CONDITIONS.
9. EXISTING PLUMBING FIXTURE TO REMAIN.

KEYED NOTES (CONT'D)

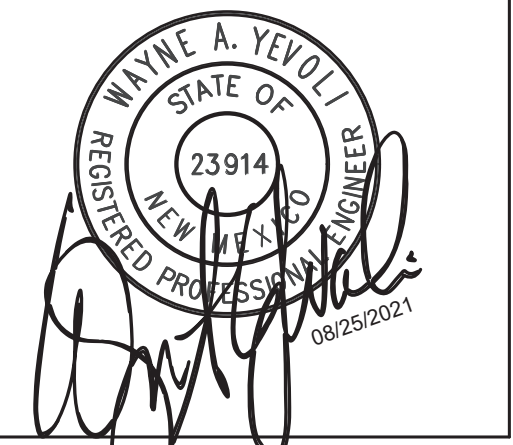
10. GAS METER AND REGULATOR ASSEMBLY INSTALLED BY LOCAL GAS AUTHORITY AT THIS LOCATION. GAS METER AND REGULATOR TO BE SET FOR A TOTAL LOAD OF 3,618 CFH. REGULATOR TO REDUCE PRESSURE DOWN TO 7" W.C.. CONTRACTOR SHALL COORDINATE LOCATION, SIZE AND INSTALLATION AND SHALL PAY FOR ALL COST ASSOCIATED WITH YARD LINE, GAS REGULATOR AND METER, ETC. FOR A COMPLETE SYSTEM.
11. ROUTE AND CONNECT GAS YARD LINE TO EXISTING GAS YARD LINE. CONTRACTOR SHALL COORDINATE INSTALLATION WITH LOCAL GAS AUTHORITY. FIELD VERIFY EXISTING CONDITIONS.
12. REFER TO SHEET P-104 FOR CONTINUATION.
13. GAS LINE FROM BELOW GRADE UP TO GAS METER.
14. 4" GAS LINE DOWN TO BELOW GRADE AND ROUTE AS SHOWN. FIELD VERIFY EXISTING CONDITIONS.
15. 3/4" MAKE-UP WATER UP THROUGH ROOF TO MECHANICAL EQUIPMENT AND CONNECT PER MANUFACTURE'S REQUIREMENTS.
16. INSTALL URINAL AND CONNECT TO EXISTING UTILITIES. FIELD VERIFY EXISTING CONDITIONS.
17. PIPING TO BE ROUTED UP HIGH AND BETWEEN VIGAS WHERE POSSIBLE.

MOLZENCORBIN

2701 Miles Road SE
Albuquerque, New Mexico 87106
505 242 5700 office
505 242 0673 fax
MolzenCorbin.com

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NUMERIC SCALE CONFIRMATION
DRAWINGS ARE DEPICTED AT INTENDED
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IF THIS BAR EQUALS ONE INCH



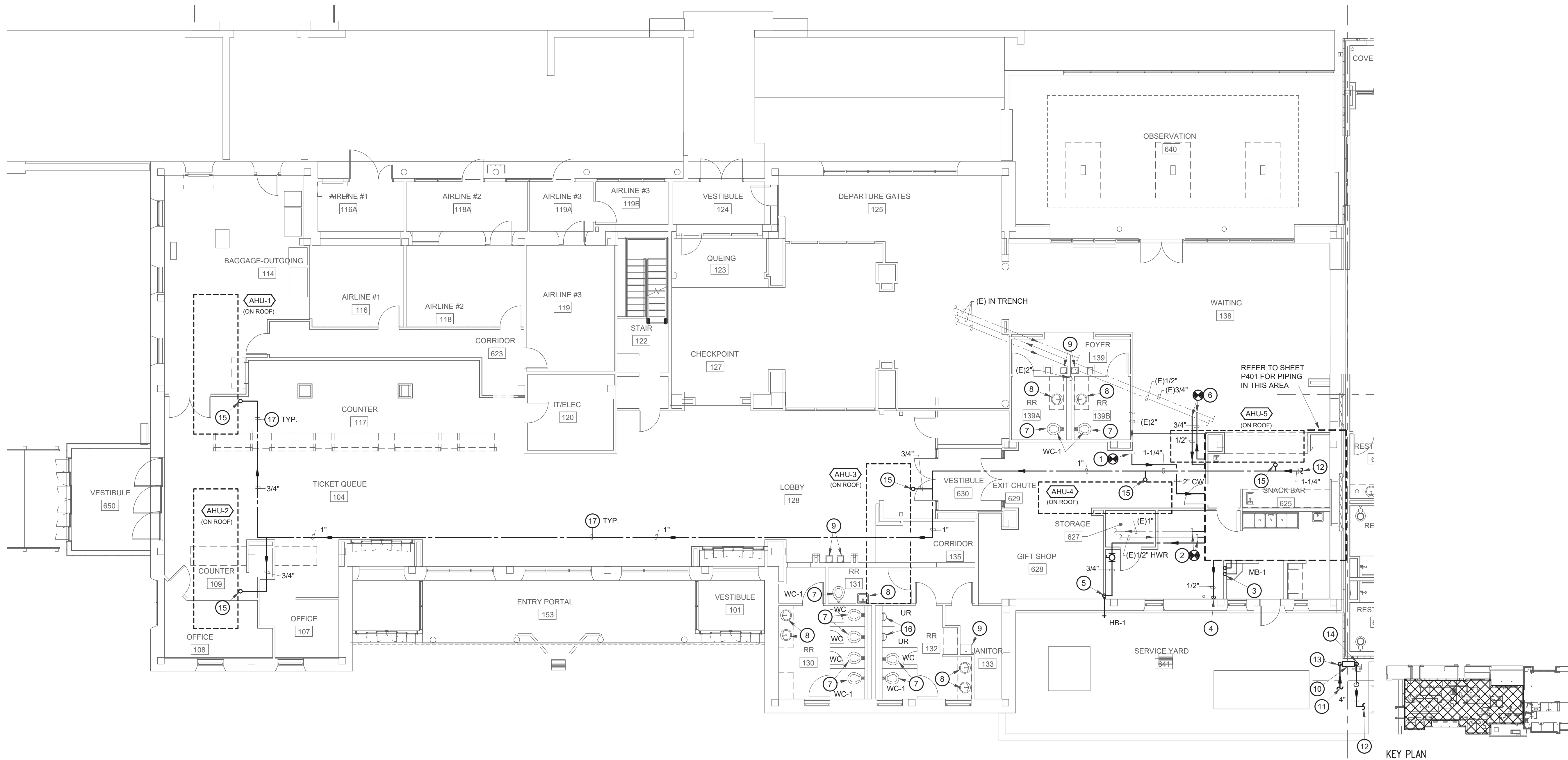
REV NO	REV DATE	DESCRIPTION
PROJECT NUMBER:	SAF182-13B	TD
DESIGNED BY:		TD
DRAWN BY:	WAY	WAY
CHECKED BY:	PRIME DESIGN PROFESSIONAL	WAYNE A. YEVOLI
PROJECT DATE:	AUGUST 2021	

**MAIN TERMINAL
PLUMBING WATER PLAN**

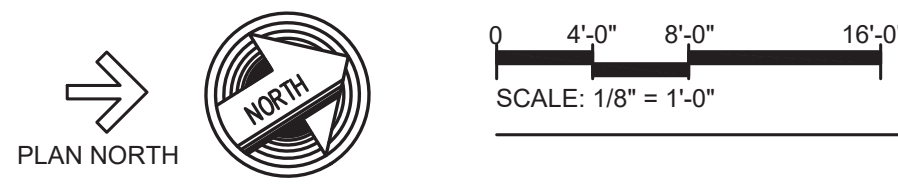
SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
SANTA FE REGIONAL AIRPORT
121 AVIATION DR. SANTA FE NM 87507

P-102

SHEET



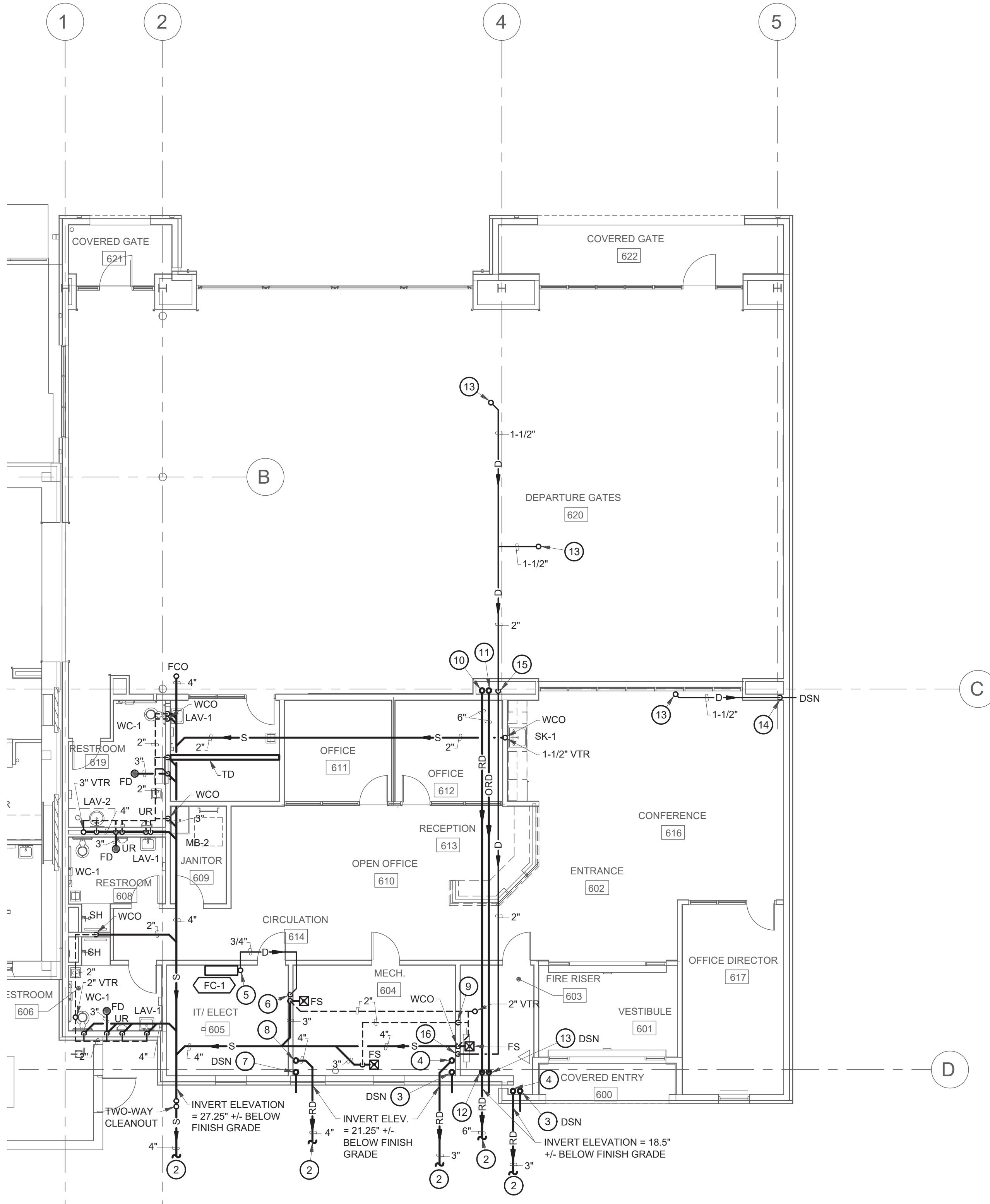
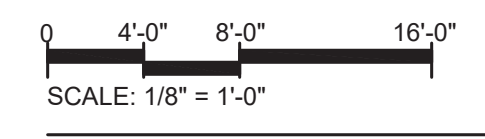
TESTUDO ENGINEERING
4015 Carlisle Blvd NE Suite E
Albuquerque, NM 87107
WWW.TESTUDOENG.COM
PH 505-554-1282



PLUMBING WATER PLAN - MAIN TERMINAL 1
Scale: 1/8" = 1'-0"

DATE: 8/25/2021 4:52 PM
 SAVE DATE: 8/25/2021 4:18 PM
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PLUMBING WASTE AND VENT PLAN - NORTH EXPANSION 1

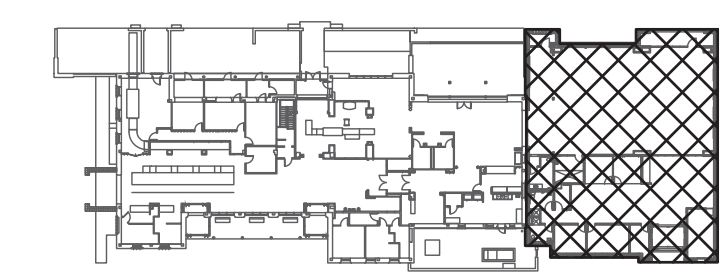
Scale: 1/8" = 1'-0"

GENERAL NOTES

- A. REFER TO SHEET P-601 FOR LEGEND, NOTES AND SCHEDULES.
- B. REFER TO SHEET P-501 FOR DETAILS.
- C. REFER TO SHEET P-402 FOR RISER DIAGRAM.

KEYED NOTES ○

1. 6" OVERFLOW ROOF DRAIN LEADER FROM ABOVE DOWN ALONG WALL. ELBOW THROUGH EXTERIOR WALL AND TERMINATE WITH DOWNSPOUT AT 18" ABOVE FINISHED GRADE. REFER TO SHEET P-105 FOR CONTINUATION.
2. REFER TO CIVIL PLANS FOR CONTINUATION.
3. 3" ROOF DRAIN LEADER FROM ABOVE DOWN IN WALL TO BELOW FLOOR AND ROUTE AS SHOWN.
4. 3" OVERFLOW ROOF DRAIN LEADER FROM ABOVE DOWN ALONG WALL. ELBOW THROUGH EXTERIOR WALL AND TERMINATE WITH DOWNSPOUT AT 18" ABOVE FINISHED GRADE. REFER TO SHEET P-105 FOR CONTINUATION.
5. 3/4" CONDENSATE DRAIN FROM CONDENSATE PUMP UP TO CEILING SPACE AND ROUTE AS SHOWN. ALL HORIZONTAL CONDENSATE PIPING SHALL BE SLOPED AT 1/8" PER FOOT TOWARDS TERMINATION POINT.
6. 3/4" CONDENSATE DRAIN LINE DOWN IN WALL AND TERMINATE AT FLOOR SINK WITH AIR GAP.
7. 4" OVERFLOW ROOF DRAIN LEADER FROM ABOVE DOWN ALONG WALL. ELBOW THROUGH EXTERIOR WALL AND TERMINATE WITH DOWNSPOUT AT 18" ABOVE FINISHED GRADE. REFER TO SHEET P-105 FOR CONTINUATION.
8. 4" ROOF DRAIN LEADER FROM ABOVE DOWN ALONG WALL TO BELOW FLOOR AND ROUTE AS SHOWN.
9. 2" VENT FROM BELOW FLOOR UP IN WALL TO CEILING SPACE AND ROUTE AS SHOWN.
10. 6" ROOF DRAIN LEADER FROM ABOVE DOWN IN CHASE TO CEILING SPACE AND ROUTE AS SHOWN. REFER TO SHEET P-105 FOR CONTINUATION.
11. 6" OVERFLOW ROOF DRAIN LEADER FROM ABOVE DOWN IN CHASE TO CEILING SPACE AND ROUTE AS SHOWN. REFER TO SHEET P-105 FOR CONTINUATION.
12. 6" ROOF DRAIN LEADER FROM ABOVE DOWN IN WALL TO BELOW FLOOR AND ROUTE AS SHOWN.
13. 1-1/2" DRAIN FROM MECHANICAL UNIT ON ROOF TO CEILING SPACE AND ROUTE AS SHOWN. ALL HORIZONTAL DRAIN LINES SHALL SLOPE AT 1/8" PER FOOT TOWARDS DISCHARGE POINT. REFER TO SHEET P-105 FOR CONTINUATION.
14. 1-1/2" DRAIN LINE DOWN IN WALL. ELBOW THROUGH EXTERIOR WALL AND TERMINATE WITH 2" DOWNSPOUT AT 18" ABOVE FINISH GRADE.
15. 2" DRAIN DOWN IN CHASE TO LOWER CEILING SPACE AND ROUTE AS SHOWN. ALL HORIZONTAL DRAIN LINES SHALL SLOPE AT 1/8" PER FOOT TOWARDS DISCHARGE POINT.
16. 2" DRAIN LINE DOWN IN WALL AND TERMINATE AT FLOOR SINK WITH AIR GAP.



KEY PLAN

TESTUDO ENGINEERING
 4015 Carlisle Blvd NE Suite E
 Albuquerque, NM 87107
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 PH 505-554-1282

MOLZENCORBIN

2701 Miles Road SE
 Albuquerque, New Mexico 87106
 505 242 5700 office
 505 242 0673 fax
 MolzenCorbin.com

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 OF AN UNDISPUTED REQUEST FOR PAYMENT*

NUMERIC SCALE CONFIRMATION
 DRAWINGS ARE DEPICTED AT INTENDED
 NUMERIC SCALES
 IF THIS BAR EQUALS ONE INCH



REV NO	REV DATE	DESCRIPTION

PROJECT NUMBER: SAF182-13B	TD
DESIGNED BY:	TD
DRAWN BY:	WAY
CHECKED BY:	WAYNE A. YEVOLI
PRIME DESIGN PROFESSIONAL:	WAYNE A. YEVOLI
PROJECT DATE:	AUGUST 2021

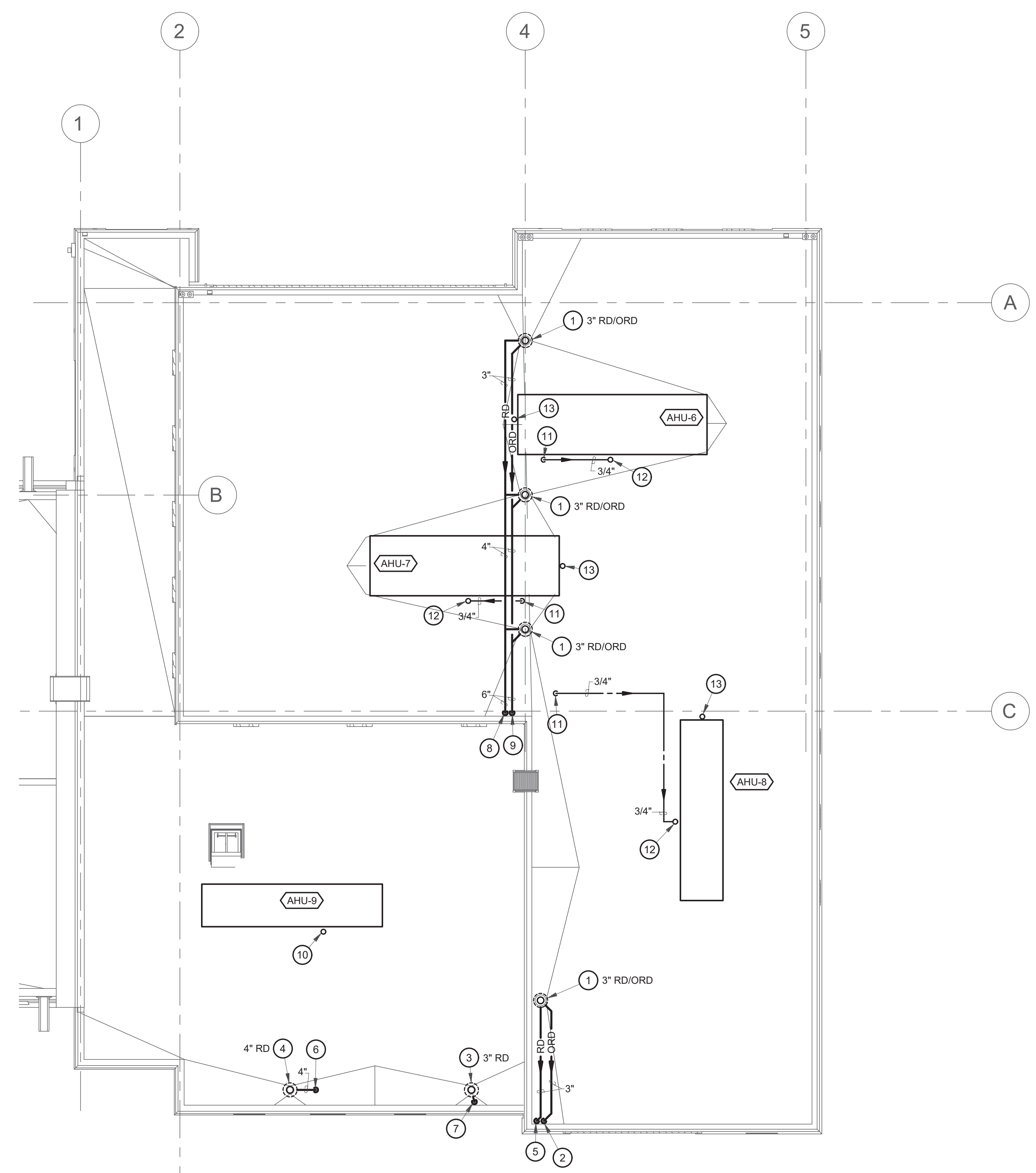
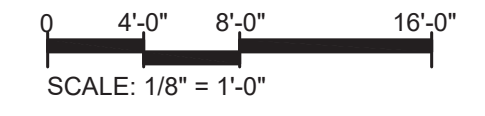
**NORTH EXPANSION
 PLUMBING WASTE & VENT PLAN**

SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
SANTA FE REGIONAL AIRPORT
121 AVIATION DR. SANTA FE NM 87507

P-103

SHEET

DATE: 8/22/2021 4:52 PM
 SAVE DATE: 8/22/2021 4:15 PM
 PROJECT: 2020 0009 SF REGIONAL AIRPORT GADP DRAWINGS 0009a_1-105



PLUMBING ROOF PLAN - NORTH EXPANSION ①

Scale: 1/8" = 1'-0"

GENERAL NOTES

- A. REFER TO SHEET P-601 FOR LEGEND, NOTES AND SCHEDULES.
- B. REFER TO SHEET P-501 FOR DETAILS.

KEYED NOTES ○

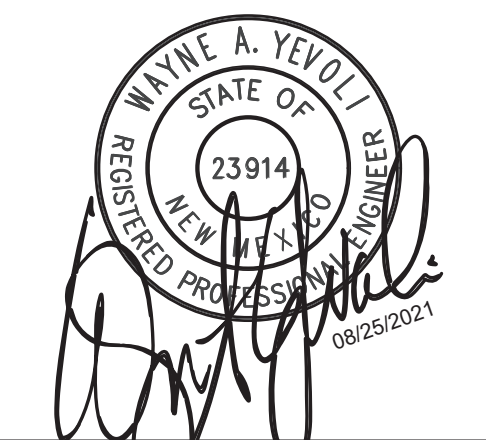
1. 3" ROOF DRAIN LEADER AND 3" OVERFLOW ROOF DRAIN LEADER FROM COMBINATION ROOF/OVERFLOW ROOF DRAIN DOWN THROUGH ROOF AND ROUTE IN CEILING SPACE AS SHOWN. ALL HORIZONTAL ROOF DRAIN PIPING SHALL BE SLOPED AT 1/4" PER FOOT.
2. 3" OVERFLOW ROOF DRAIN LEADER DOWN. REFER TO SHEET P-103 FOR CONTINUATION.
3. 3" ROOF DRAIN LEADER FROM ROOF DRAIN DOWN THROUGH ROOF. REFER TO SHEET P-103 FOR CONTINUATION.
4. 4" ROOF DRAIN LEADER FROM ROOF DRAIN DOWN THROUGH ROOF AND ROUTE IN CEILING SPACE AS SHOWN. ALL HORIZONTAL ROOF DRAIN PIPING SHALL BE SLOPED AT 1/4" PER FOOT.
5. 3" ROOF DRAIN LEADER DOWN. REFER TO SHEET P-103 FOR CONTINUATION.
6. 4" ROOF DRAIN LEADER DOWN. REFER TO SHEET P-103 FOR CONTINUATION.
7. 6" OVERFLOW ROOF DRAIN LEADER DOWN. REFER TO SHEET P-103 FOR CONTINUATION.
8. 6" ROOF DRAIN LEADER DOWN. REFER TO SHEET P-103 FOR CONTINUATION.
9. 6" OVERFLOW ROOF DRAIN LEADER DOWN. REFER TO SHEET P-103 FOR CONTINUATION.
10. 3/4" MAKE-UP WATER FROM BELOW UP THROUGH ROOF TO MECHANICAL EQUIPMENT AND CONNECT PER MANUFACTURE'S REQUIREMENTS. REFER TO SHEET P-104 FOR CONTINUATION.
11. 3/4" MAKE-UP WATER FROM BELOW UP THROUGH ROOF AND ROUTE AS SHOWN. REFER TO SHEET P-104 FOR CONTINUATION.
12. 3/4" MAKE-UP WATER TO MECHANICAL EQUIPMENT AND CONNECT PER MANUFACTURE'S REQUIREMENTS.
13. FULL SIZE DRAIN FROM UNIT AND DRAIN PAN DOWN THROUGH ROOF. REFER TO SHEET P-103 FOR CONTINUATION.

MOLZENCORBIN

2701 Miles Road SE
 Albuquerque, New Mexico 87106
 505 242 5700 office
 505 242 0673 fax
 MolzenCorbin.com

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NUMERIC SCALE CONFIRMATION
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 IF THIS BAR EQUALS ONE INCH

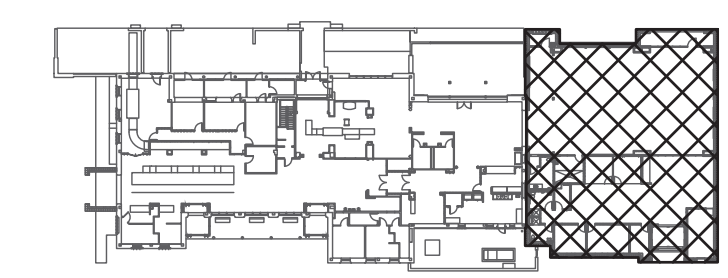


REV NO	REV DATE	DESCRIPTION

PROJECT NUMBER:	SAF182-13B	TD
DESIGNED BY:		TD
DRAWN BY:		WAY
CHECKED BY:		
PRIME DESIGN PROFESSIONAL:	WAYNE A. YEVOLI	
PROJECT DATE:	AUGUST 2021	

**NORTH EXPANSION
 PLUMBING ROOF PLAN**

 SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
 SANTA FE REGIONAL AIRPORT
 121 AVIATION DR. SANTA FE NM 87507



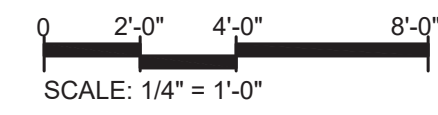
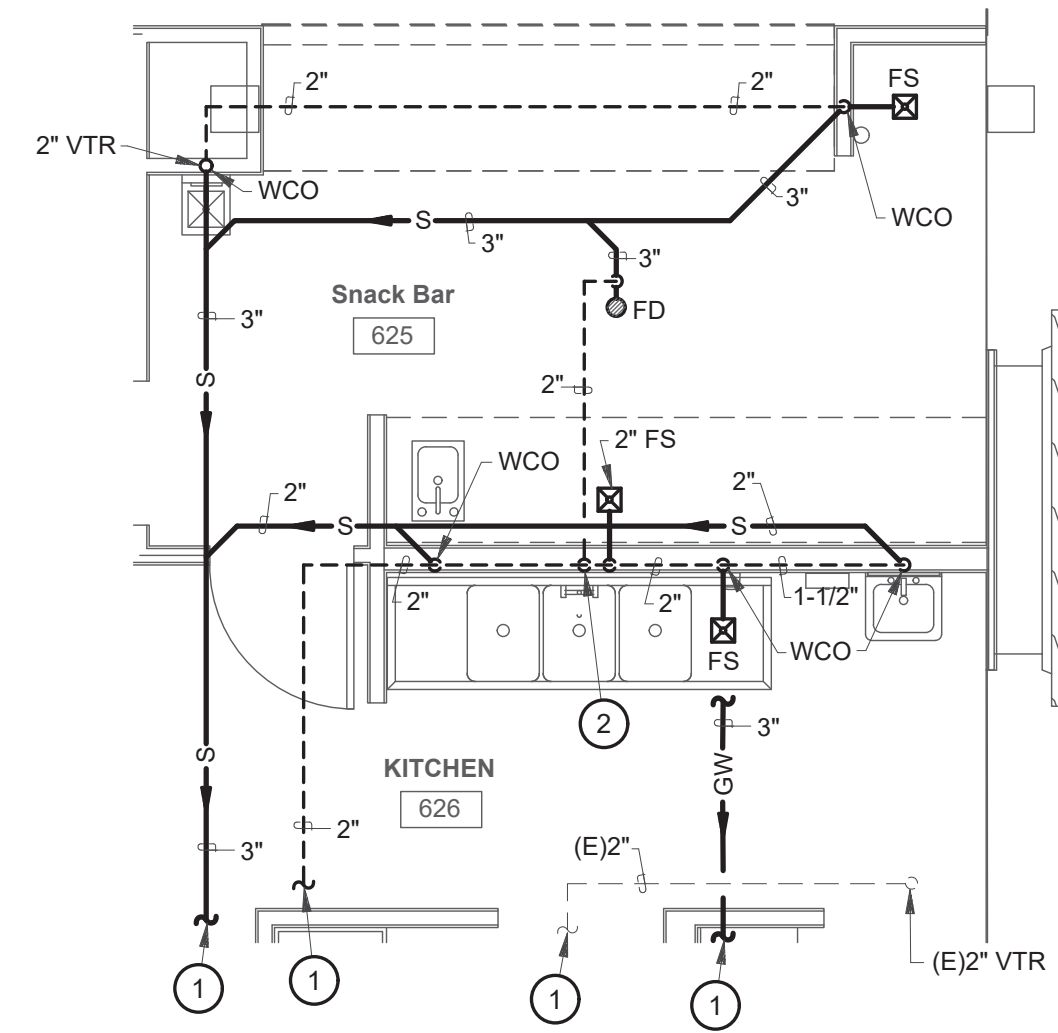
KEY PLAN

TESTUDO ENGINEERING
 4015 Carlisle Blvd NE Suite E
 Albuquerque, NM 87107
 WWW.TESTUDOENG.COM
 PH 505-554-1282

P-105

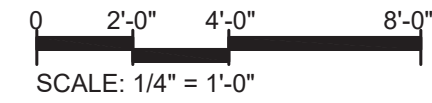
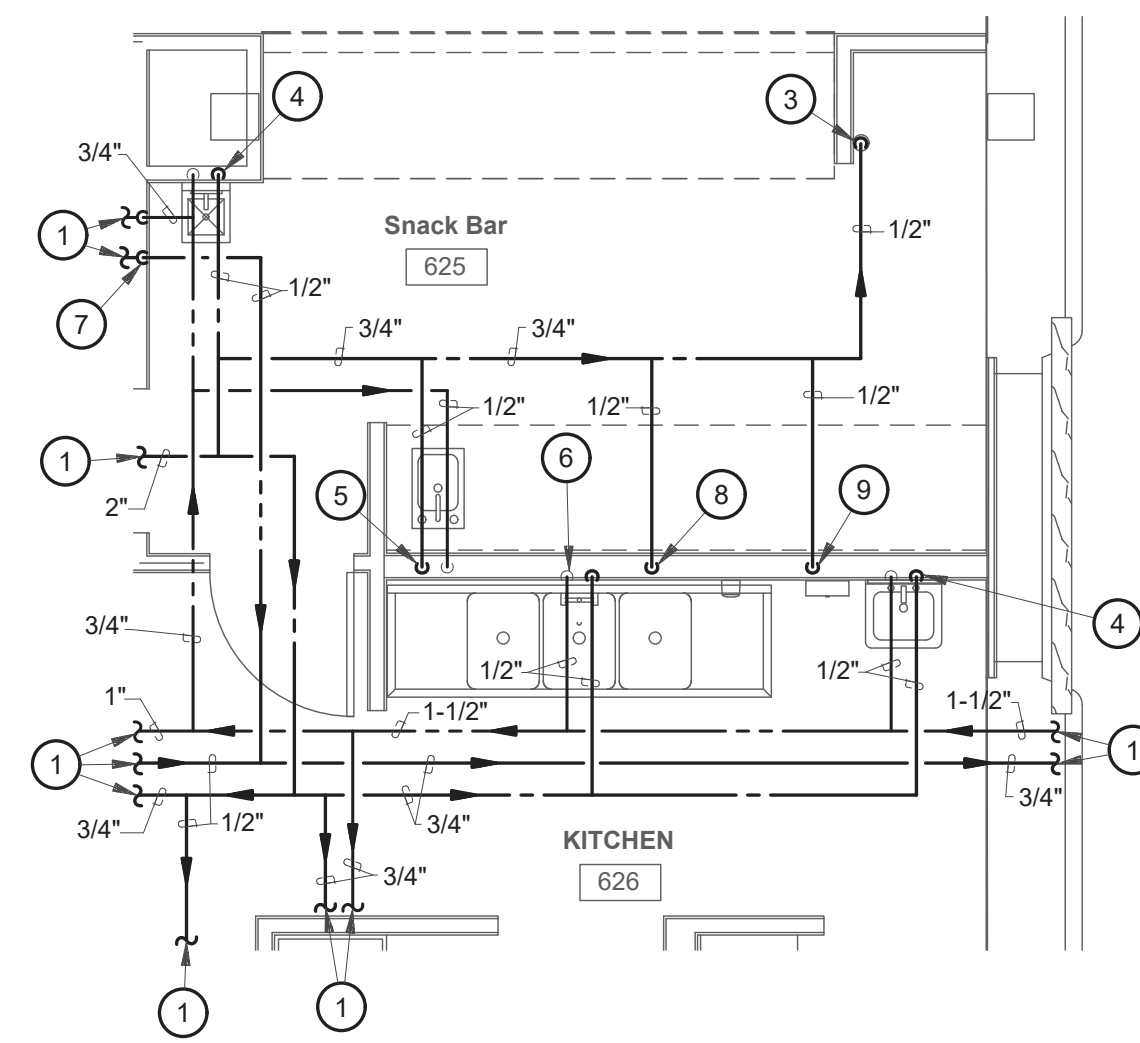
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 SAVE DATE: 8/25/2021 4:15 PM
 Z:\PROJECTS\2020\00068 SF REGIONAL AIRPORT CAUTIONARY\00068_P-401



ENLARGED PLUMBING WASTE AND VENT PLAN - KITCHEN 1

Scale: 1/4" = 1'-0"



ENLARGED PLUMBING WATER PLAN - KITCHEN 1

Scale: 1/4" = 1'-0"

GENERAL NOTES

- A. REFER TO SHEET P-601 FOR LEGEND, NOTES AND SCHEDULES.
- B. REFER TO SHEET P-501 FOR DETAILS.

KEYED NOTES ○

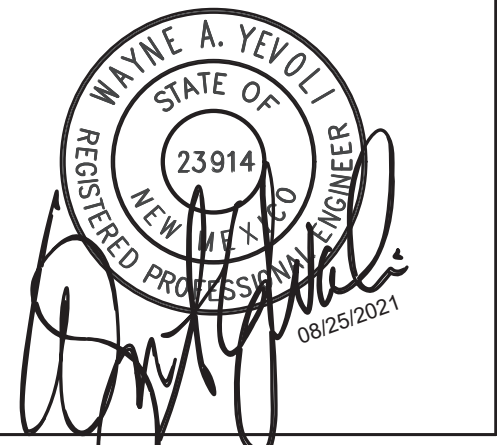
- 1. REFER TO PLANS FOR CONTINUATION.
- 2. 2" VENT FROM BELOW FLOOR UP IN WALL TO CEILING SPACE AND ROUTE AS SHOWN.
- 3. 1/2" CW DOWN ALONG WALL. PROVIDE ISOLATION VALVE AND CAP FOR FUTURE WATER FILTER AND FUTURE ICE MACHINE.
- 4. 1/2" CW/HW DOWN IN WALL FOR FUTURE HAND SINK.
- 5. 1/2" CW/HW DOWN IN WALL FOR FUTURE DUMP SINK.
- 6. 1/2" CW/HW DOWN IN WALL FOR FUTURE THREE COMPARTMENT SINK.
- 7. 3/4" HW DOWN IN WALL TO BELOW FLOOR AND 1/2" HWR FROM BELOW FLOOR UP IN WALL TO CEILING SPACE AND ROUTE AS SHOWN. FIELD VERIFY EXISTING CONDITIONS.
- 8. 1/2" CW DOWN IN WALL FOR FUTURE ICE AND WATER STATION.
- 9. 1/2" CW DOWN IN WALL FOR FUTURE COFFEE BREWER.

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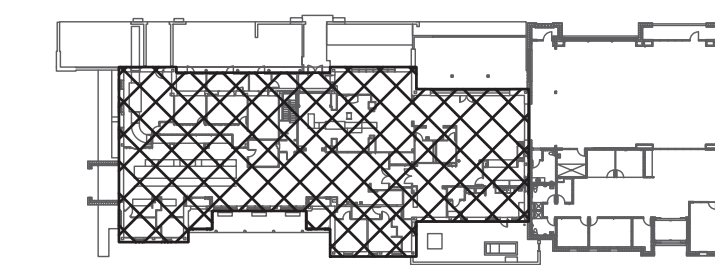
NUMERIC SCALE CONFIRMATION
 DRAWINGS ARE DEPICTED AT INTENDED
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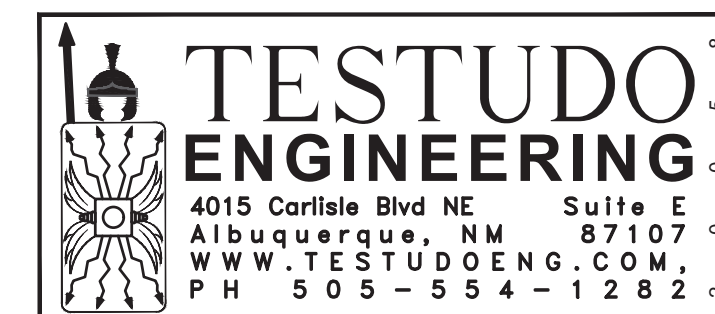
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PROJECT NUMBER:	SAF182-13B	TD
DESIGNED BY:		TD
DRAWN BY:		WAY
CHECKED BY:		
PRIME DESIGN PROFESSIONAL:	WAYNE A. YEVOLI	
PROJECT DATE:	AUGUST 2021	

ENLARGED PLUMBING PLAN - KITCHEN

SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
 SANTA FE REGIONAL AIRPORT
 121 AVIATION DR. SANTA FE NM 87507

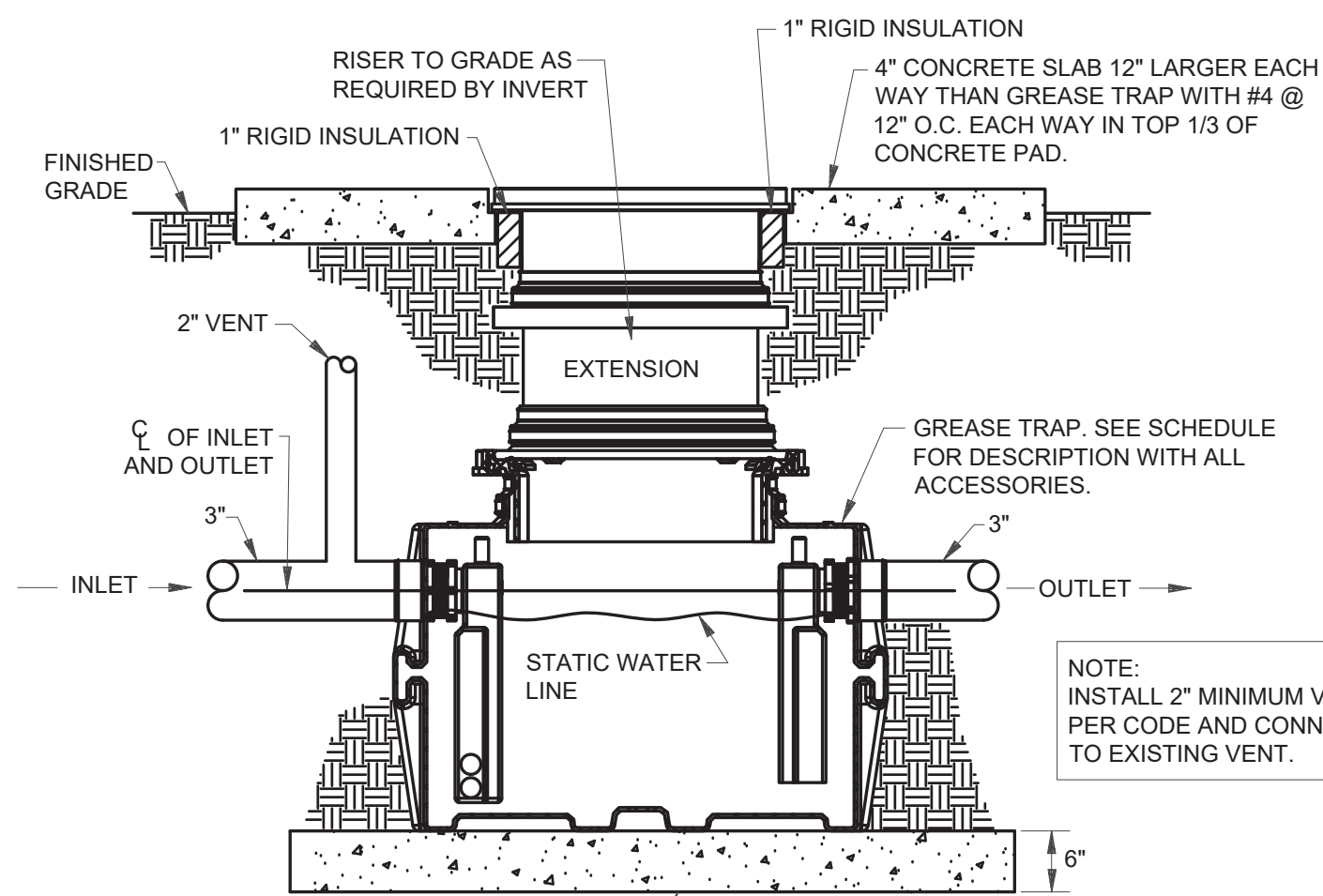


KEY PLAN



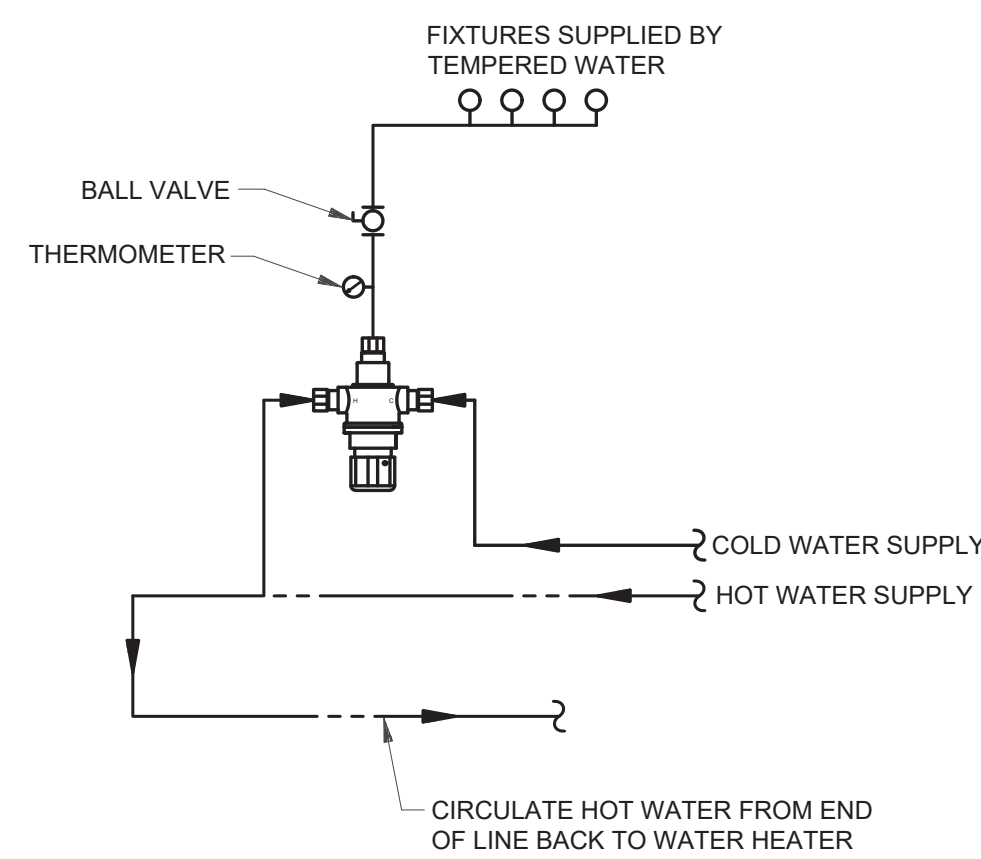
P-401

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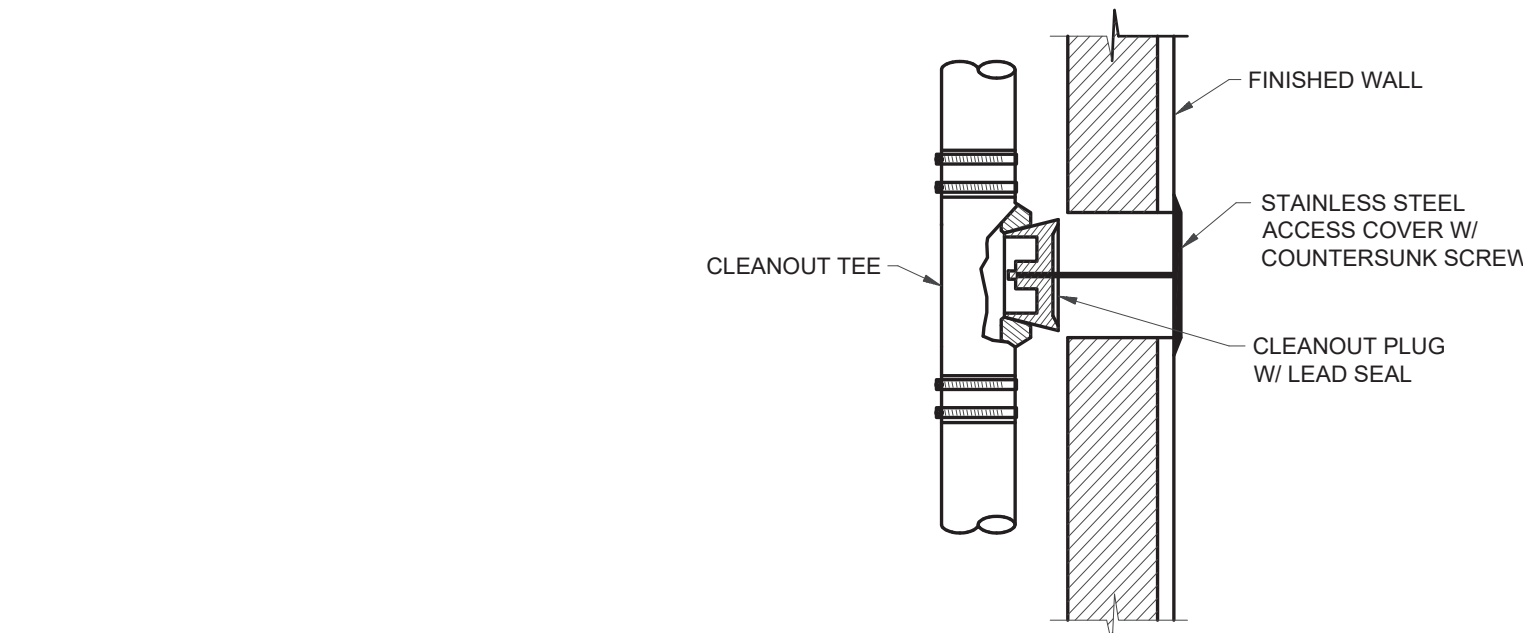
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NOT TO SCALE



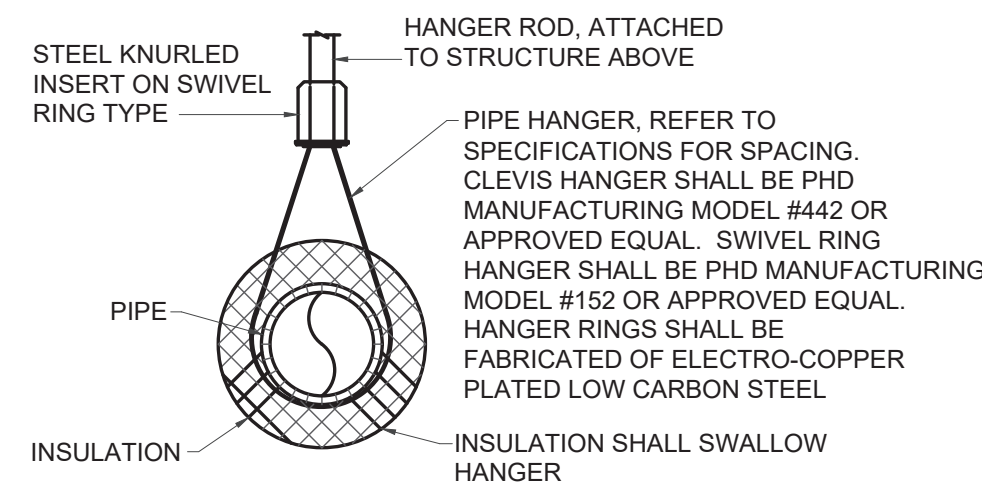
THERMOSTATIC MIXING VALVE (TMV) DETAIL

NOT TO SCALE



CLEANOUT THROUGH WALL DETAIL

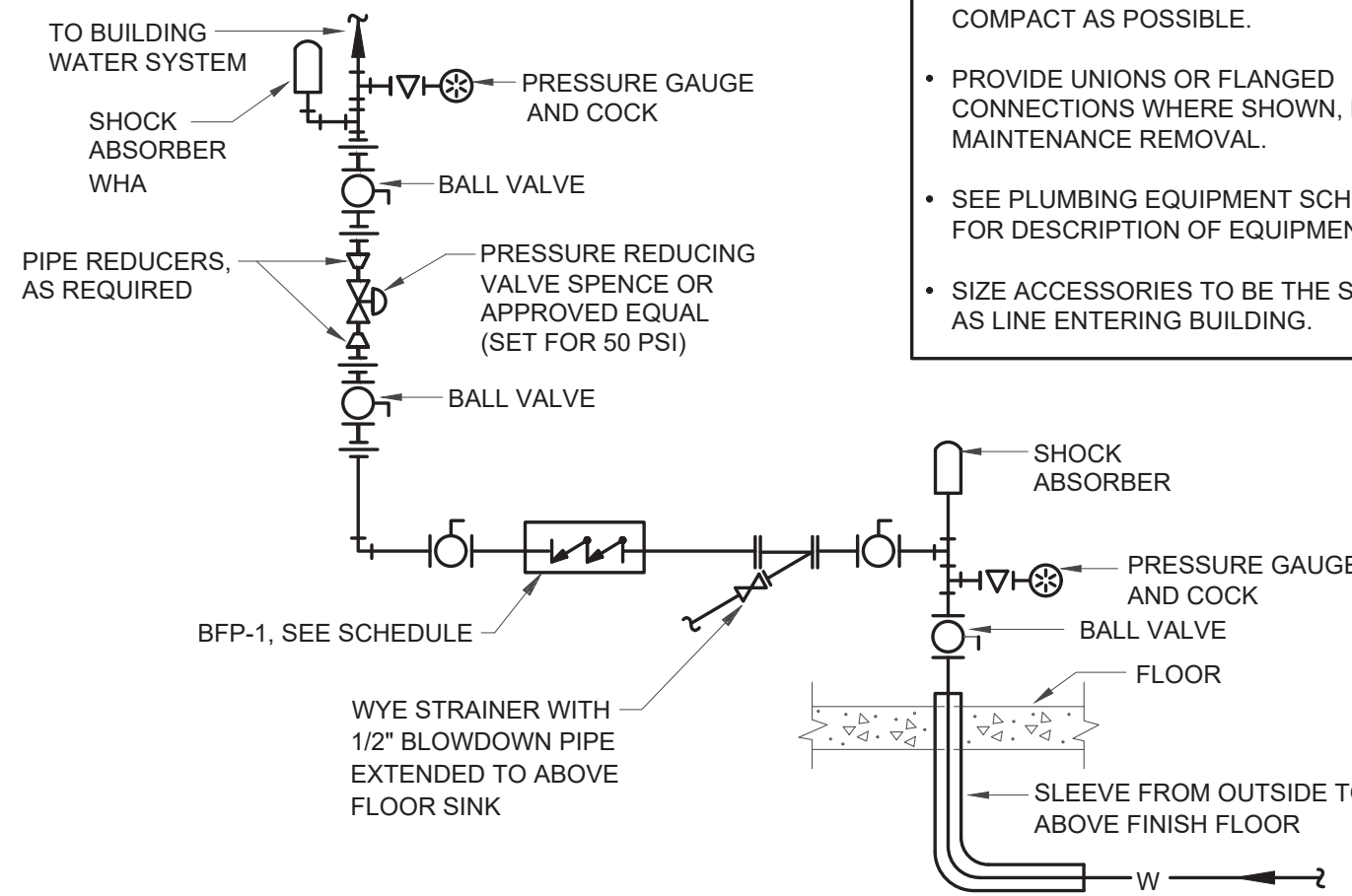
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PIPE HANGER DETAIL

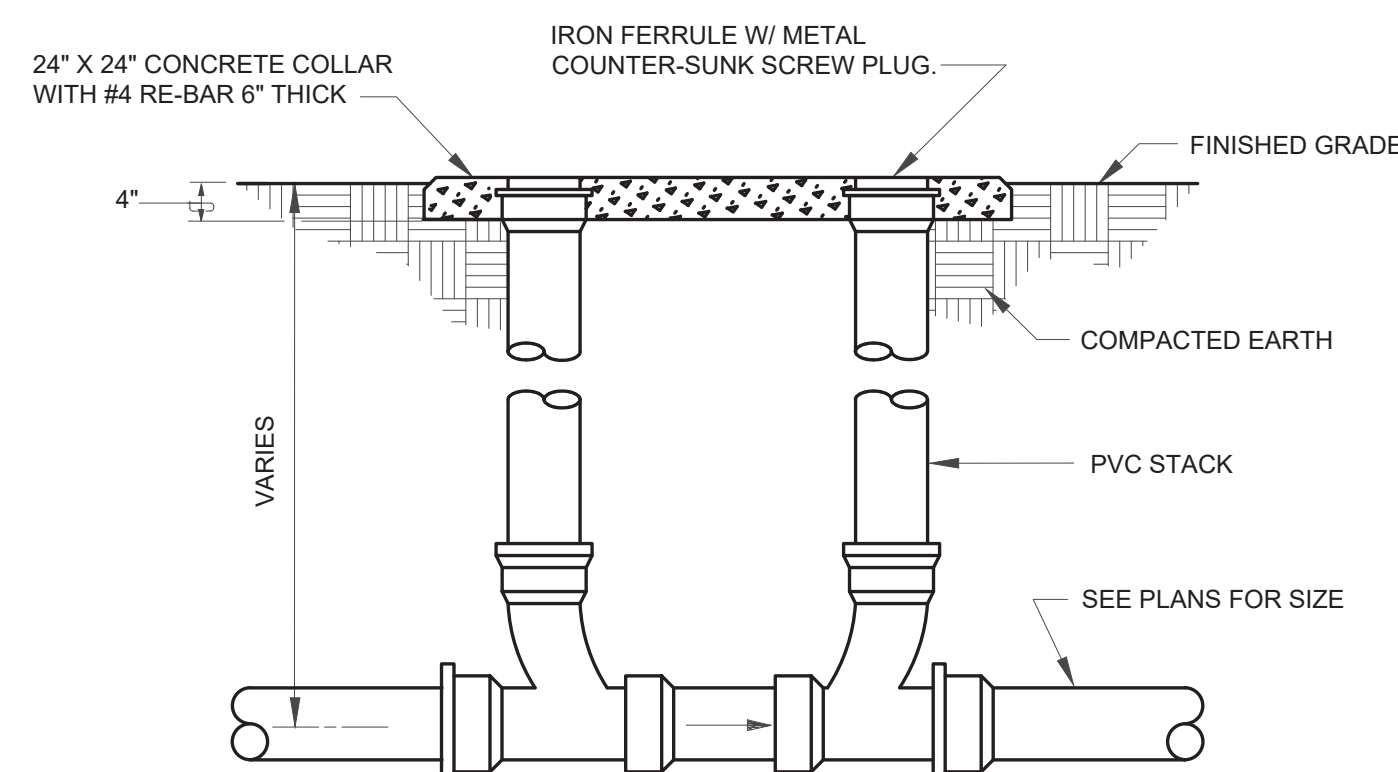
NO SCALE

PIPE HANGERS SHOWN HERE NOT TO BE USED FOR CHW OR CONDENSATE PIPING



DOMESTIC WATER ENTRANCE WITH BFP DETAIL

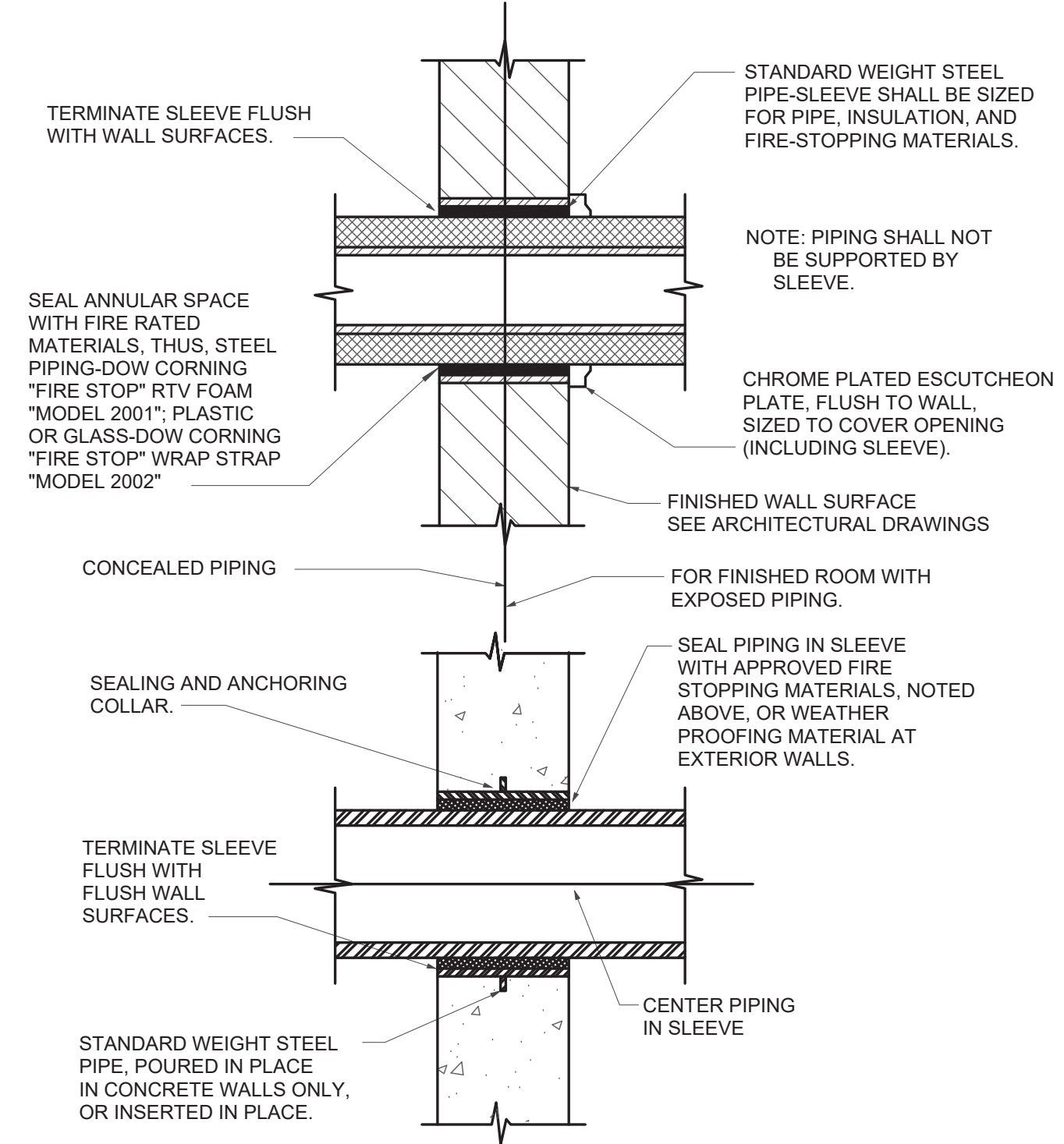
NOT TO SCALE



TWO-WAY CLEANOUT TO GRADE DETAIL

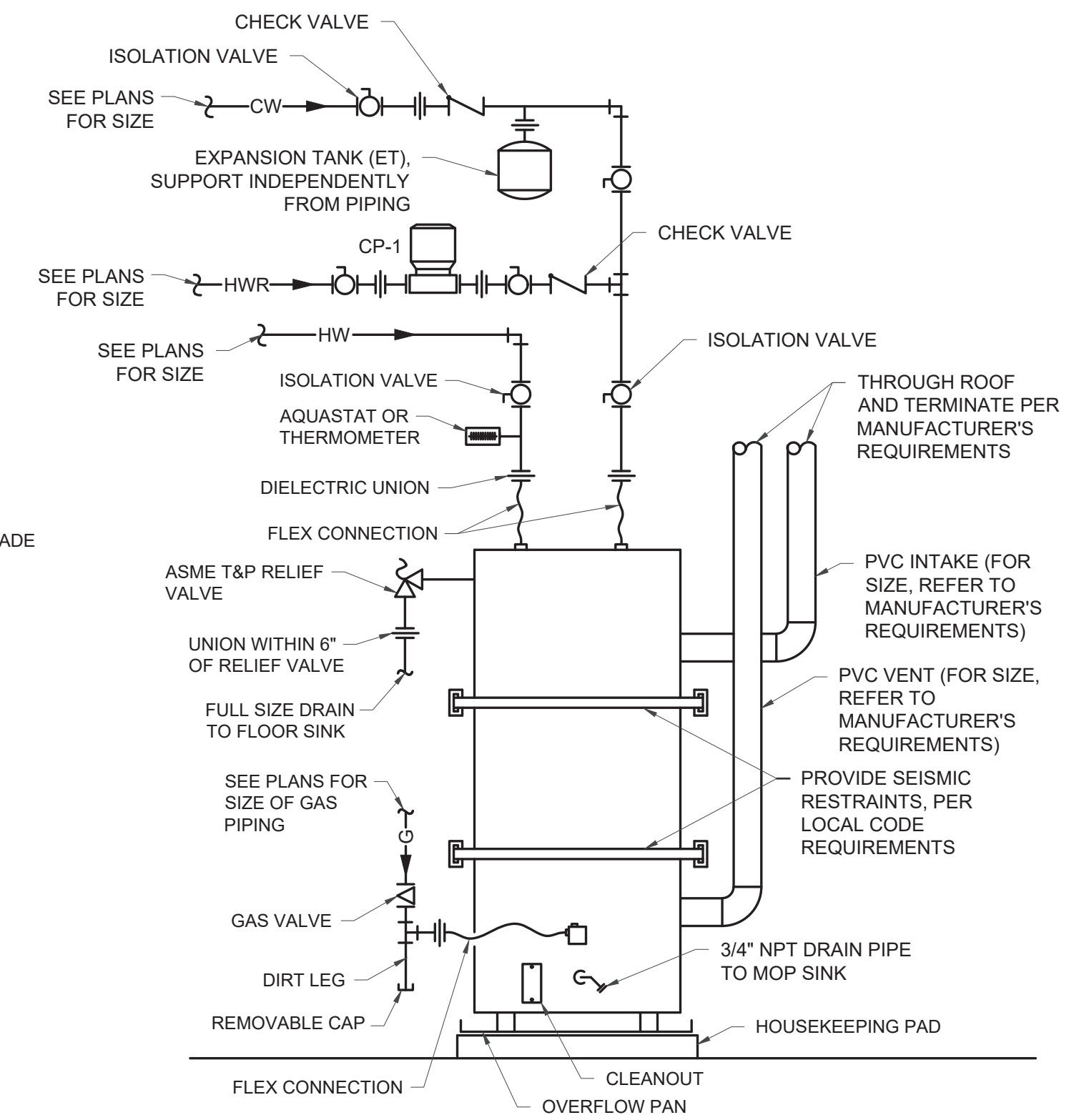
NOT TO SCALE

- NOTES:**
- RACK PIPING VERTICALLY ON WALL ON UNISTRUT FRAMING AND INSTALL AS COMPACT AS POSSIBLE.
 - PROVIDE UNIONS OR FLANGED CONNECTIONS WHERE SHOWN, FOR MAINTENANCE REMOVAL.
 - SEE PLUMBING EQUIPMENT SCHEDULE FOR DESCRIPTION OF EQUIPMENT
 - SIZE ACCESSORIES TO BE THE SAME AS LINE ENTERING BUILDING.



PIPE SLEEVE THRU WALL DETAIL

NOT TO SCALE



WATER HEATER PIPING SCHEMATIC

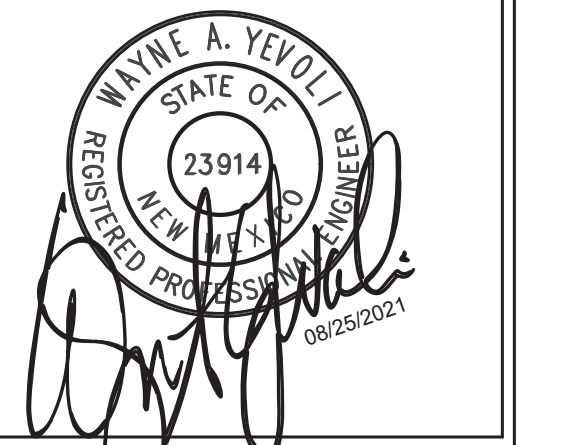
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NUMERIC SCALE CONFIRMATION
DRAWINGS ARE DEPICTED AT INTENDED NUMERIC SCALES IF THIS BAR EQUALS ONE INCH

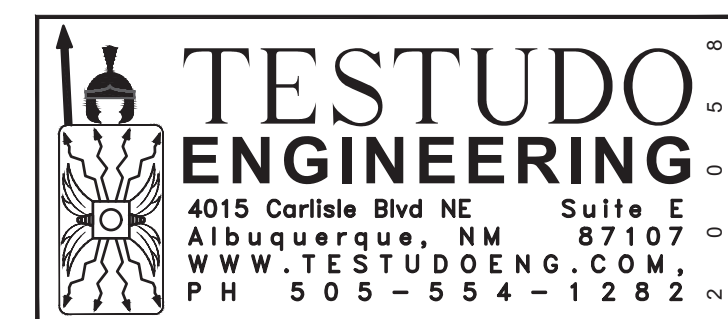


REV NO	REV DATE	DESCRIPTION

PROJECT NUMBER: SAF182-13B TD
DESIGNED BY: TD
DRAWN BY: WAY
CHECKED BY: WAY
PRIME DESIGN PROFESSIONAL: WAYNE A. YEVOLI
PROJECT DATE: AUGUST 2021

PLUMBING DETAILS

SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
SANTA FE REGIONAL AIRPORT
121 AVIATION DR. SANTA FE NM 87507



P-501

SHEET

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DATE: 8/22/2021 10:57 PM
SAVE DATE: 8/22/2021 2:41 PM
PL/PROJECTS/2020/0098_SF_REGIONAL_AIRPORT/CAUD/DRAWINGS/0098_P-601

PLUMBING EQUIPMENT/FIXTURE SCHEDULE	
SYMBOL	DESCRIPTION
FCO	FLOOR CLEANOUT: J.R. SMITH 4023, CAST IRON C.O., WITH ROUND SCORIATED TOP.
WCO	WALL CLEANOUT: J.R. SMITH 4530-Y CAST IRON C.O. TEE WITH BRASS PLUG AND ROUND STAINLESS STEEL ACCESS COVER WITH VANDAL PROOF SCREW.
TG	TRAP GUARD: SURE SEAL IN-LINE TRAP SEALER, SIZE TO MATCH FLOOR SINK / FLOOR DRAIN PER PLANS.
TMV	THERMOSTATIC MIXING VALVE: LEONARD MODEL 170-LF-BRKT-BV CAPABLE OF .25 GPM MINIMUM FLOW, 125 PSI MAXIMUM PRESSURE WITH 3/8" CONNECTIONS, LEAD FREE BRONZE BODY. THERMOSTATIC, WITH LOCKING TEMPERATURE ADJUSTMENT, MOUNTING BRACKET, CABINET WITH STEEL BAKED ENAMEL CONSTRUCTION, HINGED HARD DOOR AND CYLINDER LOCK. TEMPERATURE LIMITED TO 110°F.
CP-1	HOT WATER CIRCULATOR: TACO 00' SERIES MODEL 009 CARTRIDGE CIRCULATOR, CIRCULATOR WITH 1" FLANGE CONNECTIONS, STAINLESS STEEL CASING, 10 GPM, 35 HEAD-FEET, 3250 RPM, 1/8 HP, 115V/1PH/60HZ. PROVIDE OUTLET ON WALL ADJACENT TO PUMP AND WITH ENGRAVED PHENOLIC RESIN NAMEPLATE ATTACHED READING "HOT WATER CIRCULATOR ON-OFF".
BV	BALANCING VALVE: BELL & GOSSET A-549LFP (3/4") CIRCUIT SETTER PLUS, LEAD FREE, BRASS BODY, 400 PSIG MAXIMUM WORKING PRESSURE, -4°F TO 250°F MAXIMUM OPERATING TEMPERATURE, CALIBRATED NAMEPLATE, MEMORY STOP INDICATOR, INTERNAL CHECK VALVES, 1/4" NPT TAPPED AND PLUGGED DRAIN PORT.
WHA	WATER HAMMER ARRESTOR: J.R. SMITH 5000 STAINLESS STEEL, SEALED AIR CHARGE, 1" IPS, PROPERLY SIZED FOR FIXTURE LOAD AT POINT OF INSTALLATION.
FD	FLOOR DRAIN: J.R. SMITH 2005-U, CAST IRON BODY WITH NICKEL BRASS STRAINER, CLAMPING COLLAR, VANDAL-PROOF SCREWS, COMPLETE WITH TRAP GUARD (TG), SIZE TO MATCH FLOOR DRAIN. TRAP 3" VENT 2" CW - HW -
FS	FLOOR SINK: JR SMITH 3150-P, 12 X 12 X 8, CAST IRON, ACID RESISTING ENAMEL INTERIOR AND TOP, ALUMINUM DOME, STRAINER AND NICKEL BRONZE TOP, 1/2 GRATE, COMPLETE WITH TRAP GUARD (TG), SIZE TO MATCH FLOOR SINK. TRAP 3" VENT 2" CW - HW -
WH-1	WATER HEATER: RHEEM TRITON MODEL GHE100SS-250A, SEALED COMBUSTION SYSTEM, HIGH-EFFICIENCY COMMERCIAL GAS WATER HEATER, 96% THERMAL EFFICIENCY, LEAK GUARD, INTEGRATED BMS, ULTRA LOW NOX, GLASS-LINED TANK, AUTOMATIC SAFETY SHUT OFF, STAINLESS STEEL CORE ANODE RODS, DRAIN VALVE, PREMIUM PORELAIN COATED ASME-GRADE STEEL, BUILT-IN CONDENSATE NEUTRALIZER, HANDHOLE CLEANOUT, ASME TANK, FOAM INSULATION BETWEEN TANK AND SHELL, UNIT SHALL BE 100 GALLON STORAGE, WITH 323 GPH RECOVERY AT 90 DEGREE RISE WITH 250,000 BTUH INPUT, 3" OR 4" AIR INTAKE & VENT, 1-1/2" TOP INLET AND OUTLET. ELECTRICAL REQUIREMENTS 110 VOLT, 50/60 HERTZ, 7.5 MAX BREAKER AMP DRAW. COMPLETE WITH ASME TEMPERATURE AND PRESSURE RELIEF VALVE RATED AT 150 PSI. PROVIDE WITH CONCENTRIC VENT KIT. WATER HEATER SHALL COME COMPLETE WITH EXPANSION TANK (ET).
ET	EXPANSION TANK: AMTROL MODEL ST-20VC PRESSURIZED DIAPHRAM-TYPE EXPANSION TANK. UNIT SHALL BE DESIGNED FOR USE WITH DOMESTIC HOT WATER, STAINLESS STEEL FITTINGS, INSTALLATION AS SHOWN ON THE DRAWINGS AND SHALL BE DESIGNED FOR MAX WORKING PRESSURE OF 150 PSI AT 200 F, INITIAL CHARGE PRESSURE SHALL BE 55 PSI. UNIT SHALL HAVE A TANK CAPACITY OF 8 GALLONS, MAX ACCEPT VOLUME 3.2 GALLONS, 12" DIAMETER AND 19" HEIGHT, 3/4" NPT CONNECTION. TANK SHALL BE MANUFACTURED BY AMTROL OR APPROVED EQUAL.
HB-1	HOSE BIBB / WALL HYDRANT: INSTALL AT 36" A.F.F., WOODFORD MODEL B65, AUTOMATIC DRAINING, FREEZELESS WALL HYDRANT WITH HOSE CONNECTION ANTI-SIPHON VACUUM BREAKERS AND EXTERIOR FINISH BOX AND DOOR. SIZE FOR APPROPRIATE WALL THICKNESS, 3/4" INLET CONNECTION.
HB-2	HOSE BIBB: WOODFORD MODEL 122, HOT AND COLD WALL FAUCET, ANTI-SIPHON WITH INTEGRAL CHECK AND ATMOSPHERIC VENT.
BFP-1	BACKFLOW PREVENTOR: WATTS SERIES LF009 REDUCED PRESSURE BACKFLOW PREVENTION DEVICE, LEAD FREE, TWO IN-LINE CHECK VALVES, CAPTURED SPRINGS AND REPLACEABLE CHECK SEATS WITH AN INTERMEDIATE RELIEF VALVE, WORKING PRESSURE UP TO 175 PSI AND WATER TEMPERATURES OF 33 F TO 180 F, USC APPROVED. FURNISH WITH AIR GAP DRAIN AND PIPE FULL SIZE TO FLOOR SINK, 3" SIZE.
BFP-2	BACKFLOW PREVENTOR: FEBCO MODEL LF890V, REDUCED PRESSURE BACKFLOW PREVENTION DEVICE WITH OS & Y VALVES WITH FLANGED END CONNECTIONS, DUCTILE IRON MAIN VALVE BODY, CHECK VALVE ASSEMBLY WITH STAINLESS STEEL SPRINGS, BRONZE TRIM, WORKING PRESSURE OF 175 PSI AND WATER TEMPERATURES OF 33 F TO 140 F, USC AND HL APPROVED. FURNISH WITH VERTICAL SUPPORT ADAPTOR FOR VERTICAL ORIENTATION (Z-PATTERN) AND AIR GAP DRAIN. PIPE DRAIN FULL SIZE (PER MANUFACTURER'S RECOMMENDATIONS) TO EXTERIOR OF BUILDING AND TERMINATE WITH DISCHARGE FLAP VALVE. ANTICIPATED DRAIN SIZE FOR 8" BFP-1, PER SPECIFIED EQUIPMENT MANUFACTURE IS 8" DRAIN LINE.
BFP-3	BACKFLOW PREVENTOR: WATTS SERIES LF009 REDUCED PRESSURE BACKFLOW PREVENTION DEVICE, LEAD FREE, TWO IN-LINE CHECK VALVES, CAPTURED SPRINGS AND REPLACEABLE CHECK SEATS WITH AN INTERMEDIATE RELIEF VALVE, WORKING PRESSURE UP TO 175 PSI AND WATER TEMPERATURES OF 33 F TO 180 F, USC APPROVED. FURNISH WITH AIR GAP DRAIN AND PIPE FULL SIZE TO FLOOR SINK, 3/4" SIZE.
TD	TRENCH DRAIN: TRI-STAR, 4" WIDE, INTEGRAL SLOPE, STAINLESS STEEL COVER, 14 GA. STAINLESS STEEP CONSTRUCTION, DEEP SEAL P-TRAP (CAST IRON DEEP SEAL P-TRAP, ZURN Z-1000), 4" NO-HUB CONNECTION, CUSTOM ORDER, DRAIN SYSTEM, COORDINATE WITH GENERAL CONTRACTOR FOR LENGTH.
RD/ORD	COMBINATION ROOF DRAIN AND OVERFLOW DRAIN: FROET MODEL 100C4ULP-OFS, 13" DIA. ROOF DRAIN, ULTRA LOW PROFILE, DECK CLAMP, VANDAL PROOF CAST IRON DOME, SUMP RECEIVER, EXTENSION WHERE REQUIRED DUE TO ROOF CONSTRUCTION. SIZE OF SIDE OUTLET NOTED ON PLANS. REFER TO ARCHITECTURAL PLANS FOR DETAIL.
GI	GREASE INTERCEPTOR: SCHIER POLYETHYLENE GREASE INTERCEPTOR, MODEL GB-50 CAPABLE OF 50 GPM AND 65 GALLON CAPACITY, COMPLETE WITH RISER, ADAPTER, FINISH GRADE COVER AND ALL ACCESSORIES REQUIRED FOR A COMPLETE OPERATING UNIT, COMPLETE WITH EXTENSION AS REQUIRED, 3" INLET, 3" OUTLET. TRAP -- VENT 2"
DSN	DOWNSPOUT NOZZLE: JR SMITH NO. 1770, PLAIN BRONZE BODY, THREADED INLET AND WALL FLANGE, SIZE AS SHOWN ON DRAWING.

PLUMBING EQUIPMENT/FIXTURE SCHEDULE	
SYMBOL	DESCRIPTION
WC	WATER CLOSET: AMERICAN STANDARD "MADERA FLOWISE" MODEL 3451.001, 1.28 GPF, FLOOR MOUNTED, SIPHON JET ACTION, VITREOUS CHINA, HIGH EFFICIENCY, LOW CONSUMPTION TOILET, ELONGATED RIM, 15" RIM HEIGHT, BOLT CAPS, 1-1/2" TOP INLET SPUD AND COLOR WHITE. COMPLETE WITH SLOAN ROYAL 111 FLUSH VALVE (1.28 GPF) HIGH EFFICIENCY (WATERSENSE CERTIFIED) WITH VACUUM BREAKER, 1" SCREWDRIVER ANGLE STOP AND FLUSH CONNECTION, SOLID WHITE PLASTIC SEAT WITH OPEN FRONT LESS COVER, EXTENDED BACK AND SELF-SUSTAINING CHECK HINGE. WATER CLOSET IS A "WATER EFFICIENT PRODUCT". TRAP 4" VENT 2" CW 1" HW --
WC-1	WATER CLOSET: AMERICAN STANDARD "MADERA FLOWISE" MODEL 3043.001, 1.28 GPF, FLOOR MOUNTED, SIPHON JET ACTION, VITREOUS CHINA, HIGH EFFICIENCY, LOW CONSUMPTION TOILET, ELONGATED RIM, 16-1/2" RIM HEIGHT, BOLT CAPS, 1-1/2" TOP INLET SPUD AND COLOR WHITE. COMPLETE WITH SLOAN ROYAL 111 FLUSH VALVE (1.28 GPF) HIGH EFFICIENCY (WATERSENSE CERTIFIED) WITH VACUUM BREAKER, 1" SCREWDRIVER ANGLE STOP AND FLUSH CONNECTION, SOLID WHITE PLASTIC SEAT WITH OPEN FRONT LESS COVER, EXTENDED BACK AND SELF-SUSTAINING CHECK HINGE. UNIT SHALL MEET ALL ADA REQUIREMENTS FOR THE PHYSICALLY CHALLENGED. WATER CLOSET IS A "WATER EFFICIENT PRODUCT". TRAP 4" VENT 2" CW 1" HW --
UR	URINAL: AMERICAN STANDARD "WASHBROOK FLOWISE" MODEL 6590.001 (WATERSENSE CERTIFIED), 0.5 GPF LOW-CONSUMPTION, VITREOUS CHINA, FLUSHING RIM, WALL HANGER, 3/4" TOP INLET SPUD AND COLOR WHITE. COMPLETE WITH JR SMITH NO. 0638 URINAL SUPPORT, AMERICAN STANDARD 6045051.002 MANUAL-OPERATED FLUSH VALVE (0.5 GPF) WITH VACUUM BREAKER (WATERSENSE CERTIFIED), SCREWDRIVER ANGLE STOP AND FLUSH CONNECTION. UNIT SHALL MEET ALL ADA REQUIREMENTS FOR THE PHYSICALLY CHALLENGED. TRAP 2" VENT 1-1/2" CW 3/4"
LAV-1	LAVATORY: AMERICAN STANDARD "LUCERNE" WALL MOUNTED 20"x18" NOMINAL SIZE 0355.012 FOR FLOOR MOUNTED CONCEALED ARM CARRIER (JR SMITH) WITH T&S BRASS B-0890-CR-WS FAUCET 4" CENTER DECK MOUNT MIXING FAUCET WITH B-0199-03-N05 (0.5 GPM) NON-AERATED (WATERSENSE CERTIFIED) AND 4" VANDAL PROOF WRISTBLADE HANDLES. PROVIDE AND INSTALL GRID DRAIN, WATTS STAINLESS STEEL FLEXIBLE RISER, ANGLE STOPS, P-TRAP WITH WASTE-TO-WALL CONNECTION AND PLUMBEREX PRO-EXTREME UNDER LAV PROTECTOR. COMPLETE WITH THERMOSTATIC MIXING VALVE (TMV) LEONARD 170-LF, 0.25 GPM MINIMUM FLOW, TMV TO BE SET TO 110 DEGREE OUTPUT TEMPERATURE AND INSTALLED PER MANUFACTURE RECOMMENDATIONS. UNIT SHALL MEET ALL CALGREEN REQUIREMENTS FOR WATER USAGE. TRAP 1-1/4" VENT 1-1/2" CW 1/2" HW 1/2"
LAV-2	LAVATORY: AMERICAN STANDARD "AQUALYN" 0476.028 VITREOUS CHINA, SELF-RIMMING COUNTERTOP LAVATORY WITH OVAL BASIN AND FRONT OVERTFLOW, T&S BRASS B-0890-CR-WS FAUCET 4" CENTER DECK MOUNT MIXING FAUCET WITH B-0199-03-N05 (0.5 GPM) NON-AERATED (WATERSENSE CERTIFIED) AND 4" VANDAL PROOF WRISTBLADE HANDLES. PROVIDE AND INSTALL GRID DRAIN, WATTS STAINLESS STEEL FLEXIBLE RISER, ANGLE STOPS, P-TRAP WITH WASTE-TO-WALL CONNECTION AND PLUMBEREX PRO-EXTREME UNDER LAV PROTECTOR. INSTALL FOR WHEELCHAIR USE. INSULATE ALL WATER PIPING AND TRAP BELOW LAVATORY WITH PLUMBEREX PRO-EXTREME UNDER LAV PROTECTOR. COMPLETE THERMOSTATIC MIXING VALVE (TMV) LEONARD 170-LF, 0.25 GPM MINIMUM FLOW, TMV TO BE SET TO 110 DEGREE OUTPUT TEMPERATURE AND INSTALLED PER MANUFACTURE RECOMMENDATIONS. LAVATORY SIZE 20" X 18". TRAP 1-1/4" VENT 1-1/2" CW 1/2" HW 1/2"
SK-1	SINK: ELKAY "LUSTERTONE" LRAD221940, SINGLE COMPARTMENT 18 GAUGE STAINLESS STEEL, DROP-IN ADA SINK, THREE FAUCET HOLES, UNDERSIDE UNCOATED COMPLETE WITH T&S BRASS NO.B-1142 DUJAL HANDLE FAUCET WITH DECK MOUNTED ESCUTCHEON (WATERSENSE CERTIFIED), GOOSENECK SWING SPOUT WITH B-0199-01-F10, 1.0 GPM AERATOR, CHROME PLATED CAST BRASS ANGLE SUPPLIES WITH LOOSE KEY STOPS, TWO UK-35 STRAINER-DRAIN ASSEMBLIES WITH 1-1/2" TAIL PIECE. UK-53 CONTINUOUS WASTE CONNECTION AND CHROME PLATED CODE APPROVED ADJUSTABLE "P" TRAP WITH WASTE TO WALL. SINK SIZE 33" X 21" X 7-7/8" DEEP. TRAP 1-1/2" VENT 1-1/2" CW 1/2" HW 1/2"
SH	SHOWER: BRADLEY MODEL HN300, ADA COMPLIANT IN WALL SHOWER TO FIT IN A 3' X 3' STALL, STANDARD FIXED DIRECTION ADJUSTABLE SPRAYHEAD, LEVER HANDLE OPERATION DIVERTER VALVE, HAND HELD SHOWER SPRAY WITH ON-OFF CONTROL, 60" STAINLESS FLEXIBLE HOSE, ELEVATED IN LINE BACKFLOW PREVENTOR, 2.0 GPM FLOW CONTROL, L-SHAPED GRAB BAR, BARRIER FREE SEAT, SHOWER CURTAIN. REFER TO ARCHITECTURAL DRAWINGS FOR ADA MOUNTING HEIGHTS AND BUILT IN CONFIGURATION. FURNISH SHOWER WITH 21" X 5" GRID DRAIN, CAST IRON BODY, CLAMPING DEVICE ADJUSTABLE COLLAR, BRONZE PLATED GRID STRAINER, DEEP SEAL P-TRAP, 2" OUTLET AS SHOWN ON DRAWINGS. MFG: ZURN Z415J. PROVIDE SURESEAL IN-LINE TRAP SEAL, SIZE AND TYPE TO FIT DRAIN. TRAP 2" VENT 2" CW 1/2" HW 1/2"
MB-1	MOP BASIN: FIAT MODEL TERRAZZO TSBC1610, NEO MOP BASIN, SIZE 24" X 24" X 12" DEEP, ONE PIECE MOLDED STONE, UNIT SHALL HAVE 12" HIGH WALLS WITH NOT LESS THAN 1" WIDE SHOULDERS, COMPLETE WITH QDC-3XH QUICK DRAIN CONNECTOR, CHROME PLATED BRASS DRAIN, 830-AA MOP SERVICE FAUCET CHROME PLATED WITH VACUUM BREAKER, INTEGRAL STOPS, ADJUSTABLE WALL BRACE, PAIL HOOK AND 3/4" HOSE THREAD ON SPOUT, 832AA HOSE & HOSE BRACKET, 833AA SILICONE SEALANT AND 889-CC MOP HANGER. TRAP 3" VENT 2" CW 1/2" HW 1/2"
MB-2	MOP BASIN: FIAT MODEL MSB 3624, SIZE 36" X 24" X 10" DEEP, ONE PIECE MOLDED STONE, UNIT SHALL HAVE 10" HIGH WALLS WITH NOT LESS THAN 1" WIDE SHOULDERS, COMPLETE WITH QDC-3XH QUICK DRAIN CONNECTOR, CHROME PLATED BRASS DRAIN, 830-AA MOP SERVICE FAUCET CHROME PLATED WITH VACUUM BREAKER, INTEGRAL STOPS, ADJUSTABLE WALL BRACE, PAIL HOOK AND 3/4" HOSE THREAD ON SPOUT, 832AA HOSE & HOSE BRACKET, 833AA SILICONE SEALANT AND 889-CC MOP HANGER. TRAP 3" VENT 2" CW 1/2" HW 1/2"
F-1	LAVATORY FAUCET: T&S BRASS B-0890-CR-WS FAUCET 4" CENTER DECK MOUNT MIXING FAUCET WITH B-0199-03-N05 (0.5 GPM) NON-AERATED (WATERSENSE CERTIFIED) AND 4" VANDAL PROOF WRISTBLADE HANDLES. COMPLETE WITH THERMOSTATIC MIXING VALVE (TMV) LEONARD 170-LF, 0.25 GPM MINIMUM FLOW, TMV TO BE SET TO 110 DEGREE OUTPUT TEMPERATURE AND INSTALLED PER MANUFACTURE RECOMMENDATIONS. UNIT SHALL MEET ALL CALGREEN REQUIREMENTS FOR WATER USAGE. TRAP - VENT - CW 1/2" HW 1/2"

PLUMBING SYMBOL LEGEND		
ABBR.	SYMBOL	DESCRIPTION
		EQUIPMENT DESIGNATION
		KEYED NOTES
TYP		TYPICAL
OFCl		OWNER FURNISHED, CONTRACTOR INSTALLED
(E)		EXISTING
POC		POINT OF CONNECTION
FCO		FLOOR CLEANOUT
WCO		WALL CLEANOUT
VTR		VENT THRU ROOF
HB		HOSE BIBB / WALL HYDRANT
CW		COLD WATER LINE
HW		HOT WATER LINE
HWL		CIRCULATING HOT WATER
V		VENT PIPING
S		SEWER OR WASTE LINE
G		GAS PIPING
D		CONDENSATE DRAIN / DRAIN LINE
RD		ROOF DRAIN LEADER
GW		GREASE WASTE LINE
FD		FLOOR DRAIN
FS		FLOOR SINK
RD		ROOF DRAIN
CAP		CAP ON END OF PIPE
		FLANGED CONNECTION
		VALVE IN RISER
		THERMOMETER
		PRESSURE GAUGE
		FLOW SWITCH
		PRESSURE GAUGE W/ GAUGE COCK
		GATE VALVE
		GLOBE VALVE
		CHECK VALVE
		PLUG VALVE
		CONTROL VALVE (THREE-WAY)
		CONTROL VALVE (TWO-WAY)
		RELIEF VALVE
		PRESSURE REDUCING VALVE
		BALL VALVE
		BALANCING VALVE (BV)
		STRAINER
		UNION

DEMOLITION GENERAL NOTES

- A. CONTRACTOR SHALL VERIFY LOCATION OF ALL PIPING, EQUIPMENT, ETC. SERVED BY EXISTING EQUIPMENT TO BE REMOVED. CONTRACTOR SHALL REMOVE SUCH ITEMS ONLY IF THEY DO NOT SERVE FIXTURES TO REMAIN. ALL PIPING SHALL BE CAPPED IN A CONCEALED LOCATION.
- B. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND FINISHING SURFACES (WALLS, FLOORS, CEILINGS) DAMAGED DURING REMOVAL OF EQUIPMENT AND PIPING UNLESS REMOVAL OR RENOVATION OF SURFACE IS COVERED UNDER ANOTHER SECTION OF THIS CONTRACT.
- C. CONTRACTOR SHALL DISPOSE OF OR RETURN ALL PLUMBING FIXTURES, PIPING, ETC. TO OWNER IN ACCORDANCE WITH DIRECTION OF THE ARCHITECT.
- D. REMOVE ANY COLD WATER, HOT WATER, GAS, WASTES OR VENT PIPING (NOT SHOWN) UNCOVERED IN EXISTING PARTITIONS TO BE REMOVED, REMOVE BACK TO ACTIVE LINE AND CAP.
- E. PLUG OR SEAL ALL SOIL, WASTE AND VENT OPENINGS AS DIRECTED FOR A SMOOTH FINISH FLOOR.
- F. PIPE ROUTING IS APPROXIMATE ONLY; EACH BIDDER SHALL SATISFY HIMSELF AS TO EXISTING BUILDING CONDITIONS BEFORE SUBMITTING HIS BID. NO ALLOWANCE SHALL BE MADE AFTER CONTRACT IS AWARDED TO ALLOW FOR LACK OF PRE-BID INSPECTION OF BUILDING BY SUCCESSFUL BIDDER.
- G. COORDINATE WORK WITH OTHER TRADES TO MINIMIZE CONFLICTS AND "DOWN TIME".

PLUMBING GENERAL NOTES

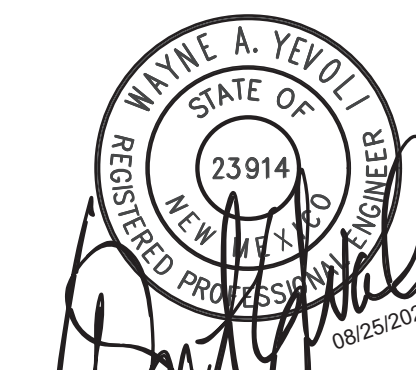
- A. ALL PIPING SHALL BE CONCEALED WHERE POSSIBLE. ALL EXPOSED PIPING, WHERE CONCEALMENT IS NOT POSSIBLE, SHALL BE INSTALLED AND PAINTED AS DIRECTED BY THE ARCHITECT.
- B. ALL PIPING SHALL BE INSULATED, SEE SPECIFICATIONS.
- C. ALL BRANCHES SHALL BE VALVED AND ALL VALVES SHALL HAVE UNIONS ADJACENT. ACCESS PANELS AND DOORS SHALL BE FURNISHED TO GENERAL CONTRACTOR FOR INSTALLATION AND ACCESS TO VALVES WHERE REQUIRED. LOCATE ADDITIONAL VALVES AS SHOWN ON DRAWINGS. SEE SPECIFICATIONS FOR ACCESS DOOR REQUIREMENTS.
- D. ALL PIPING SHALL PITCH TO DRAIN, AND CONTRACTOR SHALL PROVIDE VALVING FOR SYSTEM DRAINAGE. CONTRACTOR SHALL DELIVER A MARKED-UP SET OF PLANS TO THE OWNER (PRIOR TO FINAL PAYMENT) SHOWING ALL BRANCH VALVES AND ALL DRAINAGE POINTS.
- E. CARE SHALL BE TAKEN TO AVOID MECHANICAL DUCTWORK, ELECTRICAL EQUIPMENT AND AIR HANDLING EQUIPMENT ABOVE CEILING. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ROUTING OF PIPING WITH CEILING CONTRACTOR AND SHEET METAL CONTRACTOR. RELOCATION OF PIPING AS A RESULT OF POOR COORDINATION BY THIS CONTRACTOR SHALL BE AT HIS OWN EXPENSE.
- F. NO WATER PIPING SHALL BE LOCATED IN OUTSIDE WALLS, UNLESS SHOWN TO BE AND THEN PIPING TO BE INSULATED AND LOCATED AS CLOSE AS POSSIBLE TO INSIDE OF WALL CAVITY WITH ADDITIONAL INSULATION BETWEEN PIPING AND EXTERIOR OF WALL.
- G. WRITTEN PRIOR APPROVAL REQUIRED FOR ALL PROPOSED SUBSTITUTIONS OF EQUIPMENT AND MATERIALS, RECEIVED BY ENGINEER, 10 DAYS PRIOR TO BID DATE OF PROJECT TO ALLOW ADEQUATE TIME FOR REVIEW AND RESPONSE.
- H. ALL TRENCHING AND BACKFILL FOR PIPING SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- I. ALL SEWER PIPING BELOW FLOOR SLAB (BELOW GRADE) SHALL BE STANDARD WEIGHT HUB AND SPIGOT CAST IRON.
- J. ALL PIPE PENETRATIONS THRU FIRE-RATED ASSEMBLIES SHALL BE SLEEVED AND SEALED WITH CODE-APPROVED FIRE BARRIER MATERIALS.
- K. SECURE ALL PIPING TO WALLS FOR A RIGID INSTALLATION WITH UNISTRUT BRACKETS AND GASKETED PIPE CLAMPS.
- L. ALL HORIZONTAL SEWER LINES SHALL BE SLOPED AT 1/4" PER FOOT TOWARD THE POINT OF DISPOSAL.
- M. PIPE ROUTING IN EXPOSED STRUCTURE AND UNDER VIGAS/GLUELAM IS NOT ALLOWED.
- N. COORDINATE VENT THROUGH ROOF LOCATIONS TO BE 10 FEET MINIMUM FROM ANY INTAKE OPENING.

MOLZENCORBIN

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Albuquerque, New Mexico 87106
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MolzenCorbin.com

NOTICE OF EXTENDED PAYMENT PROVISION:
THIS CONTRACT ALLOWS THE OWNER TO MAKE
PAYMENT WITHIN 45 DAYS AFTER SUBMISSION
OF AN UNDISPUTED REQUEST FOR PAYMENT

NUMERIC SCALE CONFIRMATION
DRAWINGS ARE DEPICTED AT INTENDED
NUMERIC SCALES
IF THIS BAR EQUALS ONE INCH

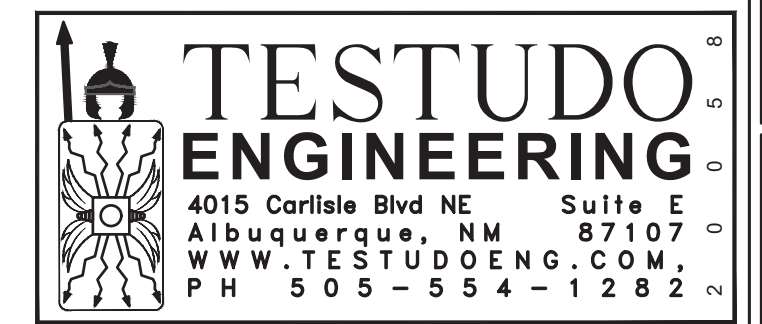


REV NO	REV DATE	DESCRIPTION

PROJECT NUMBER:	SAF182-13B
DESIGNED BY:	TD
DRAWN BY:	TD
CHECKED BY:	WAY
PRIME DESIGN PROFESSIONAL:	WAYNE A. YEVOLI
PROJECT DATE:	AUGUST 2021

PLUMBING GENERAL NOTES, SYMBOL LEGEND & SCHEDULES

SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
SANTA FE REGIONAL AIRPORT
121 AVIATION DR. SANTA FE NM 87507



P-601

SHEET

DEMOLITION GENERAL NOTES

- A. CONTRACTOR SHALL VERIFY LOCATION OF ALL PIPING, EQUIPMENT, ETC. SERVED BY EXISTING EQUIPMENT TO BE REMOVED. CONTRACTOR SHALL REMOVE SUCH ITEMS ONLY IF THEY DO NOT SERVE FIXTURES TO REMAIN. ALL PIPING SHALL BE CAPPED IN A CONCEALED LOCATION.
- B. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND FINISHING SURFACES (WALLS, FLOORS, CEILINGS) DAMAGED DURING REMOVAL OF EQUIPMENT AND PIPING UNLESS REMOVAL OR RENOVATION OF SURFACE IS COVERED UNDER ANOTHER SECTION OF THIS CONTRACT.
- C. CONTRACTOR SHALL REMOVE AND DISPOSE OF OR RETURN ALL EQUIPMENT, PLUMBING FIXTURES, PIPING, ETC. TO OWNER IN ACCORDANCE WITH DIRECTION OF THE ARCHITECT.
- D. WORK SHOWN IS APPROXIMATE ONLY; EACH BIDDER SHALL SATISFY HIMSELF AS TO EXISTING BUILDING CONDITIONS BEFORE SUBMITTING HIS BID. NO ALLOWANCE SHALL BE MADE AFTER CONTRACT IS AWARDED TO ALLOW FOR LACK OF PRE-BID INSPECTION OF BUILDING BY SUCCESSFUL BIDDER.
- E. COORDINATE WORK WITH OTHER TRADES TO MINIMIZE CONFLICTS AND "DOWN TIME".

GENERAL NOTES

- A. REFER TO SHEET M-601 FOR LEGEND, AND NOTES.
- B. REFER TO SHEET M-501 FOR DETAILS.

KEYED NOTES

- 1. REMOVE AND DISPOSE EXISTING EVAPORATIVE COOLER ON ROOF IN ITS ENTIRETY INCLUDING DUCTWORK, DIFFUSERS, SUPPORTS AND CONTROLS. REMOVE WATER LINE BACK TO MAIN LINE IN BUILDING AND CAP. PATCH ROOF TO MATCH EXISTING. FIELD VERIFY EXISTING LOCATION.
- 2. REMOVE AND DISPOSE EXISTING EVAPORATIVE COOLER ON ROOF IN ITS ENTIRETY INCLUDING CONTROLS AND DUCTWORK ON ROOF DOWN THROUGH ROOF. CAP EXISTING MAIN DUCT IN CEILING SPACE. EXISTING DUCTWORK IN CEILING SPACE SHALL REMAIN FOR RE-CONNECTING TO NEW DUCTWORK. REMOVE WATER LINE BACK TO MAIN LINE IN CEILING SPACE FOR CONNECTION TO NEW WATER LINE. REPAIR AND PATCH EXISTING ROOF PENETRATION FOR INSTALLATION OF NEW ROOFING. REFER TO NEW WORK PLAN.
- 3. REMOVE AND DISPOSE EXISTING EVAPORATIVE COOLER ON ROOF IN ITS ENTIRETY INCLUDING ALL DUCTWORK ON ROOF AND CONTROLS. REMOVE WATER LINE BACK TO MAIN LINE IN CEILING SPACE FOR CONNECTION TO NEW WATER LINE. ALL EXISTING DUCTWORK THROUGH ROOF SHALL REMAIN FOR CONNECTION TO NEW DUCTWORK. REFER TO NEW WORK PLAN.
- 4. REMOVE AND DISPOSE EXISTING EVAPORATIVE COOLER ON ROOF IN ITS ENTIRETY INCLUDING ALL DUCTWORK, DIFFUSERS AND CONTROLS. REMOVE WATER LINE BACK TO MAIN LINE IN CEILING SPACE FOR CONNECTION TO NEW WATER LINE. EXISTING ROOF PENETRATION TO REMAIN AND MODIFIED FOR NEW DUCTWORK. REFER TO NEW WORK PLAN.
- 5. REMOVE AND DISPOSE EXISTING BOILER AND ALL RELATED PUMPS, AND PIPING IN ITS ENTIRETY. FIELD VERIFY EXISTING LOCATION.
- 6. REMOVE AND DISPOSE ALL EXISTING FINNED TUBE RADIATORS ON WALL AND ALL RELATED PIPING IN ITS ENTIRETY LOCATED IN THIS OUTLINED AREA FOR FIRST FLOOR. FIELD VERIFY EXISTING LOCATION. PIPING SERVING UPPER FLOORS SHALL REMAIN FOR RE-CONNECTION TO NEW PIPING. REFER TO KEYED NOTE 7.
- 7. DISCONNECT EXISTING HEATING WATER PIPING AT THIS LOCATION AND REMOVE TO BELOW FLOOR. EXISTING PIPING FROM THIS LOCATION TO ABOVE FLOORS SHALL REMAIN FOR RE-CONNECTION TO NEW HEATING WATER PIPING.

MOLZENCORBIN

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 MolzenCorbin.com

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 OF AN UNDISPUTED REQUEST FOR PAYMENT*

NUMERIC SCALE CONFIRMATION
 DRAWINGS ARE DEPICTED AT INTENDED
 NUMERIC SCALES
 IF THIS BAR EQUALS ONE INCH



REV NO	REV DATE	DESCRIPTION
PROJECT NUMBER:	SAF182-13B	MO
DESIGNED BY:		MO
DRAWN BY:		WAY
CHECKED BY:		WAY
PRIME DESIGN PROFESSIONAL:	WAYNE A. YEVOLI	AUGUST 2021
PROJECT DATE:		

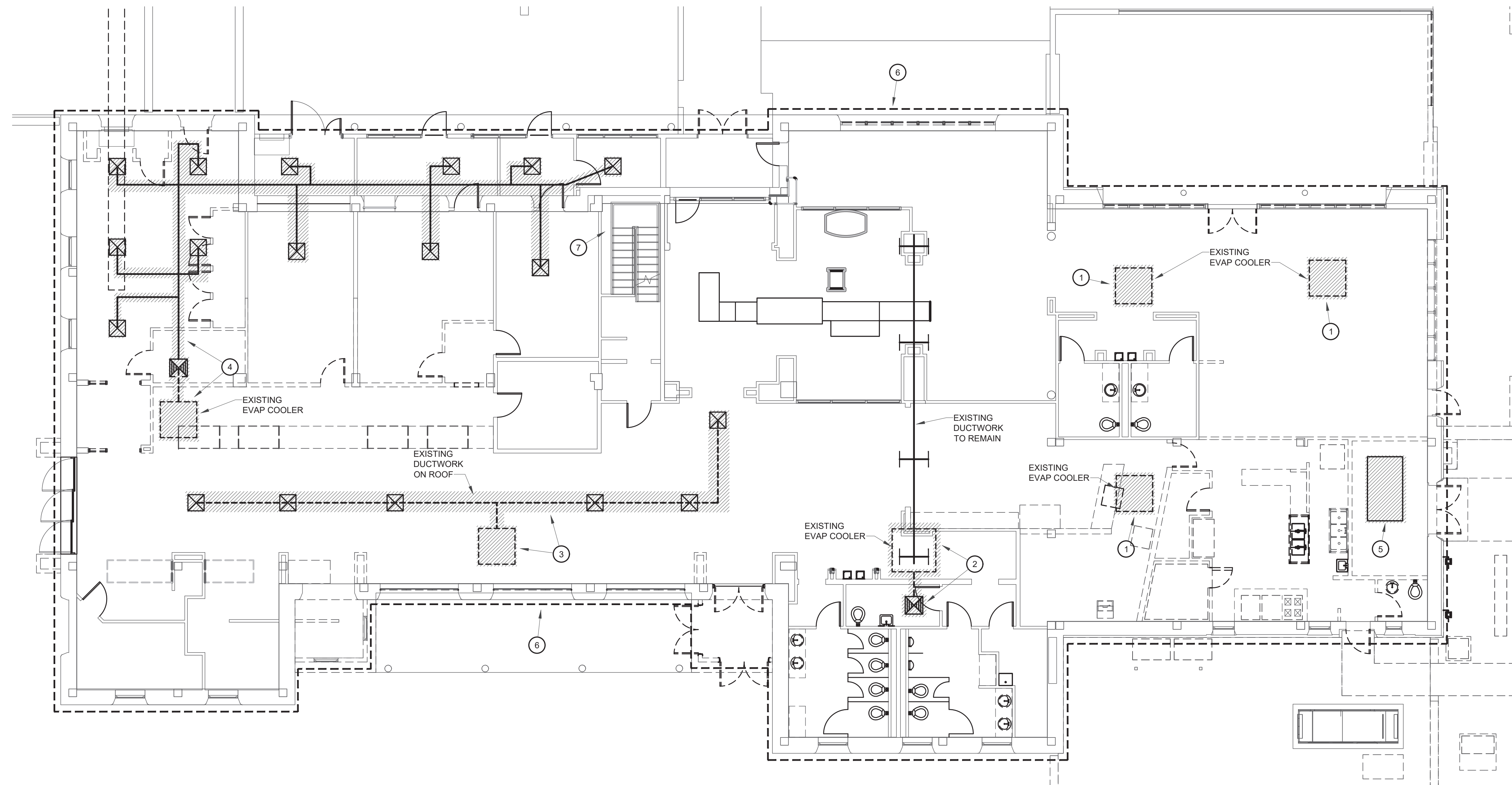
**MAIN TERMINAL
 MECHANICAL DEMOLITION PLAN**

SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
 SANTA FE REGIONAL AIRPORT
 121 AVIATION DR. SANTA FE NM 87507

MD-101

SHEET

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MECHANICAL DEMOLITION PLAN - MAIN TERMINAL 1
 Scale: 1/8" = 1'-0"

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 PL/PROJECTS: 2020/0008 SF REGIONAL AIRPORT/CAO/URMANNES/0008_M0-101

KEYED NOTES ○

1. EXTEND NEW DUCTWORK FROM UNIT ON ROOF DOWN THROUGH EXISTING ROOF PENETRATION TO CEILING SPACE AND CONNECT TO DUCTWORK.
2. NEW DUCTWORK DOWN THROUGH ROOF AND CONNECT TO NEW DIFFUSER NECK SIZE DUCTWORK. SEAL PENETRATION WEATHERTIGHT.
3. EXTEND NEW DUCTWORK FROM UNIT ON ROOF DOWN THROUGH EXISTING ROOF PENETRATION AND CONNECT TO EXISTING DUCTWORK IN CEILING SPACE.
4. WALL MOUNT FINNED TUBE RADIATION. REFER TO HVAC PIPING PLAN FOR PIPING CONNECTIONS.
5. HYDRONIC RADIANT HEATING CEILING PANEL. REFER TO HVAC PIPING PLAN FOR PIPING CONNECTIONS.
6. RETURN AIR DUCTWORK FROM SOFFIT SPACE UP THROUGH ROOF AND CONNECT TO AIR HANDLING UNIT.
7. SUPPLY AIR DUCTWORK DOWN THROUGH ROOF FROM AIR HANDLING UNIT TO CEILING SPACE.
8. INSTALL DUCTWORK ON ROOF AND SUPPORT PER DETAIL ON DETAIL SHEET.
9. INSTALL CEILING EXHAUSTER PER DETAIL ON DETAIL SHEET.
10. EXHAUST DUCT UP THROUGH ROOF FROM CEILING EXHAUSTER AND TERMINATE WITH ROOF CAP PER DETAIL ON DETAIL SHEET.
11. EXISTING EXHAUST SYSTEM SHALL REMAIN UNDISTURBED IN THIS RESTROOM. CONTRACTOR SHALL VERIFY SYSTEM IS FULLY FUNCTIONAL IF NOT SYSTEM SHALL BE REPAIRED.

GENERAL NOTES

- A. REFER TO SHEET M-601 FOR LEGEND & NOTES.
- B. REFER TO SHEET M-501 AND M-502 FOR DETAILS.
- C. ALL BRANCH DUCTS SHALL HAVE SPIN-IN FITTINGS OR TIME AND 1/2 TAKE OFFS WITH DAMPER.
- D. ALL RETURN GRILLES SHALL HAVE RETURN AIR SOUND BOOTS PER DETAIL.

MOLZENCORBIN

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NUMERIC SCALE CONFIRMATION
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IF THIS BAR EQUALS ONE INCH



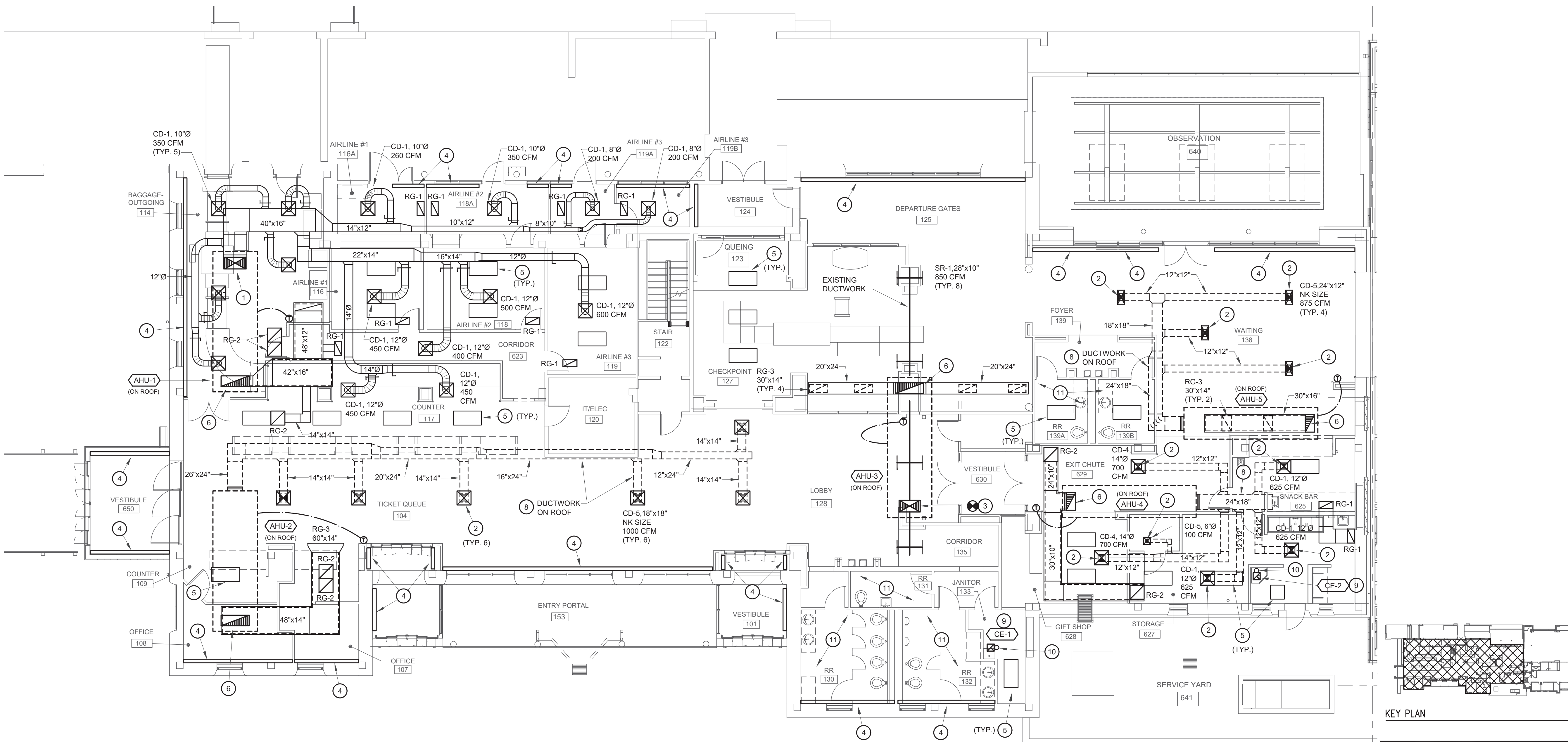
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PROJECT NUMBER:	SAF182-13B	MO
DESIGNED BY:		MO
DRAWN BY:		WAY
CHECKED BY:	PRIME DESIGN PROFESSIONAL	WAYNE A. YEVOLI
PROJECT DATE:		AUGUST 2021

**MAIN TERMINAL
MECHANICAL NEW WORK PLAN**

SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
SANTA FE REGIONAL AIRPORT
121 AVIATION DR. SANTA FE NM 87507

M-101

SHEET

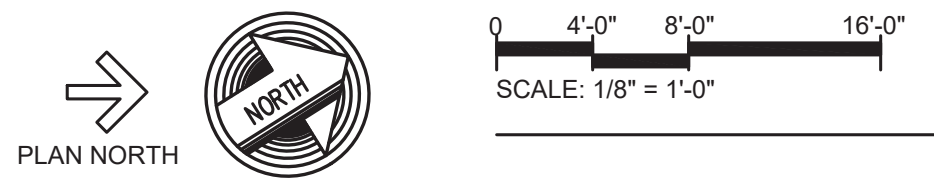


KEY PLAN

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PH 505-554-1282

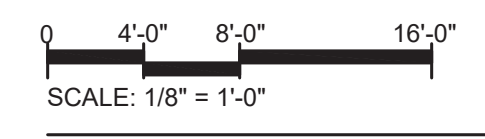
MECHANICAL NEW WORK PLAN - MAIN TERMINAL 1

Scale: 1/8" = 1'-0"



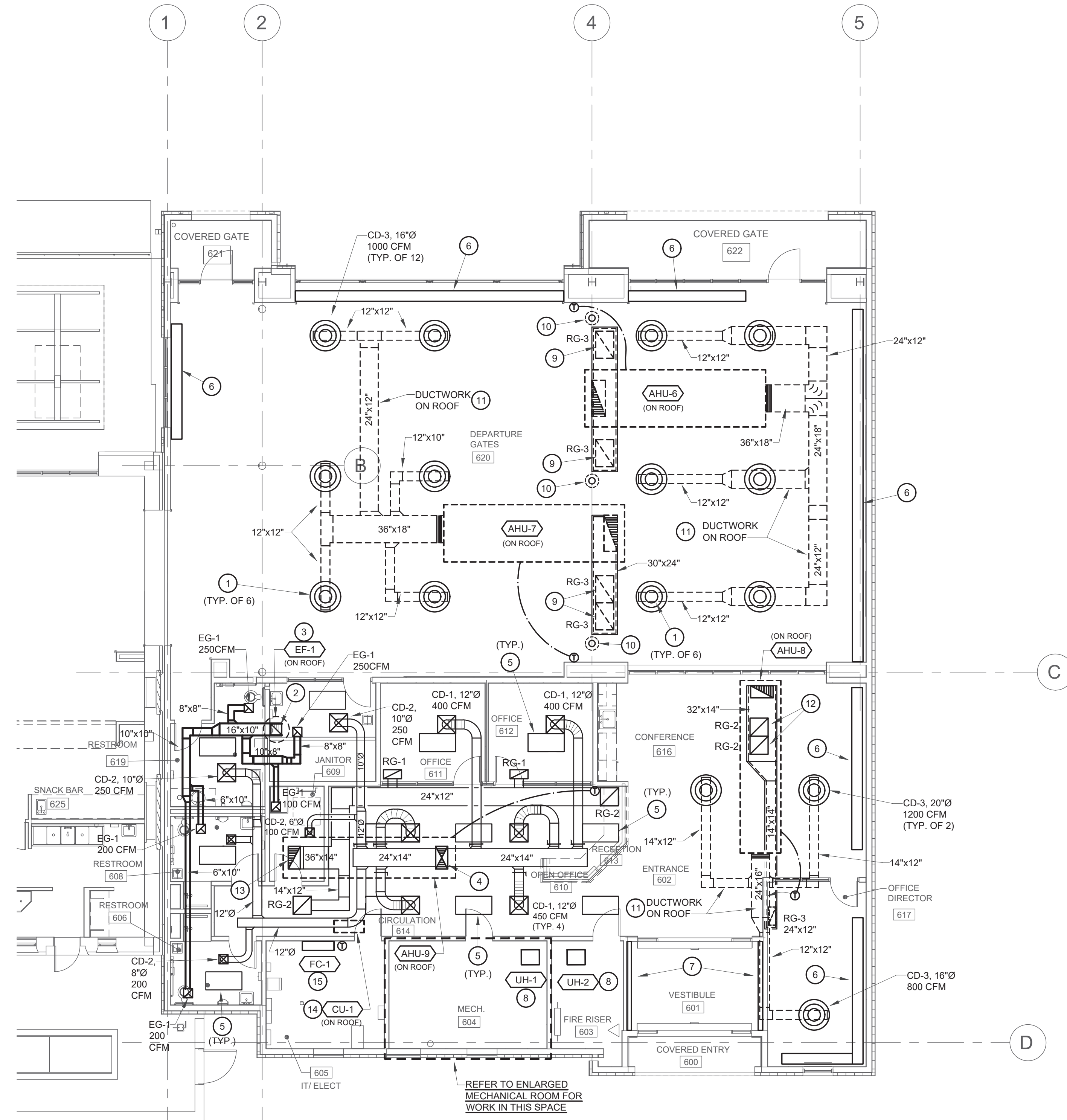
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 SAVE DATE: 8/22/2021 4:13 PM
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MECHANICAL NEW WORK PLAN - NORTH ADDITION 1

Scale: 1/8" = 1'-0"

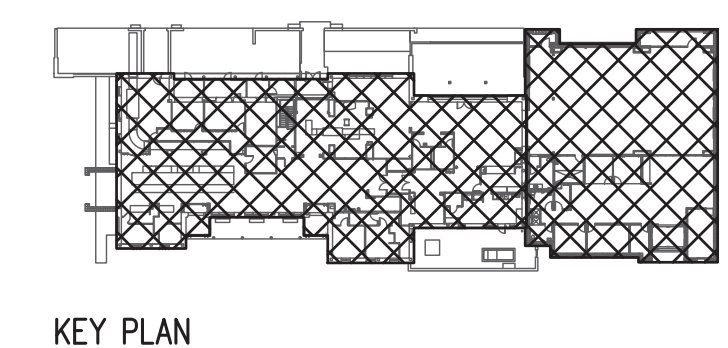


GENERAL NOTES

- A. REFER TO SHEET M-601 FOR LEGEND, & NOTES.
- B. REFER TO SHEET M-501 AND M-502 FOR DETAILS.
- C. ALL BRANCH DUCTS SHALL HAVE SPIN-IN FITTINGS OR TIME AND 1/2 TAKE OFFS WITH DAMPER.
- D. ALL RETURN GRILLES SHALL HAVE RETURN AIR SOUND BOOTS PER DETAIL.

KEYED NOTES

- 1. DUCTWORK DOWN THROUGH ROOF AND CONNECT TO DIFFUSER.
- 2. EXHAUST DUCT UP THROUGH ROOF FROM CEILING SPACE AND CONNECT TO EXHAUST FAN PER DETAIL ON DETAIL SHEET.
- 3. INSTALL EXHAUST FAN ON ROOF PER DETAIL ON DETAIL SHEET.
- 4. DUCTWORK DOWN THROUGH ROOF FROM AIR HANDLING UNIT, BETWEEN JOIST TO CEILING SPACE.
- 5. HYDRONIC RADIANT HEATING CEILING PANEL. REFER TO HVAC PIPING PLAN FOR PIPING CONNECTIONS.
- 6. TRENCH TYPE FINNED TUBE RADIATION. REFER TO HVAC PIPING PLAN FOR PIPING CONNECTIONS.
- 7. WALL MOUNT FINNED TUBE RADIATION. REFER TO HVAC PIPING PLAN FOR PIPING CONNECTIONS.
- 8. INSTALL UNIT HEATER AT THIS LOCATION SUPPORTED FROM ROOF STRUCTURE PER MANUFACTURERS GUIDELINES AND RECOMMENDATIONS.
- 9. INSTALL 36" X 24" RETURN AIR GRILLES AND CONNECT DUCTWORK LOCATED IN SOFFIT SPACE.
- 10. COORDINATE RETURN AIR DUCTWORK WITH ROOF DRAINS AND ROOF DRAIN LEADERS IN SOFFIT SPACE.
- 11. INSTALL DUCTWORK ON ROOF AND SUPPORT PER DETAIL ON DETAIL SHEET.
- 12. INSTALL RETURN AIR GRILLE AT THIS LOCATION AND CONNECT TO DUCTWORK LOCATED BETWEEN BEAMS.
- 13. DUCTWORK DOWN THROUGH ROOF FROM AIR HANDLING UNIT, BETWEEN JOIST TO CEILING SPACE.
- 14. INSTALL CONDENSER ON ROOF PER MANUFACTURERS GUIDELINES AND RECOMMENDATIONS. REFER TO DETAIL ON DETAIL SHEET.
- 15. INSTALL WALL MOUNT FAN COIL UNIT PER MANUFACTURERS GUIDELINES AND RECOMMENDATIONS. REFER TO DETAIL ON DETAIL SHEET.
- 16. INSTALL 24" X 10" RETURN AIR GRILLE AT THIS LOCATION AND CONNECT TO DUCTWORK LOCATED BETWEEN BEAMS.



KEY PLAN

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NUMERIC SCALE CONFIRMATION
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REV NO	REV DATE	DESCRIPTION

PROJECT NUMBER: SAF182-13B MO MO
 DESIGNED BY: WAY WAY
 DRAWN BY: WAY WAY
 CHECKED BY: WAY WAY
 PRIME DESIGN PROFESSIONAL: WAYNE A. YEVOLI
 PROJECT DATE: AUGUST 2021

**NORTH EXPANSION
 MECHANICAL NEW WORK PLAN**

SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
 SANTA FE REGIONAL AIRPORT
 121 AVIATION DR. SANTA FE NM 87507

M-102

SHEET

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PROJECT NUMBER:	SAF182-13B	MO
DESIGNED BY:		MO
DRAWN BY:		WAY
CHECKED BY:		
PRIME DESIGN PROFESSIONAL:	WAYNE A. YEVOLI	
PROJECT DATE:	AUGUST 2021	

**MAIN TERMINAL
 HVAC PIPING NEW WORK PLAN**

SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
 SANTA FE REGIONAL AIRPORT
 121 AVIATION DR. SANTA FE NM 87507

M-201

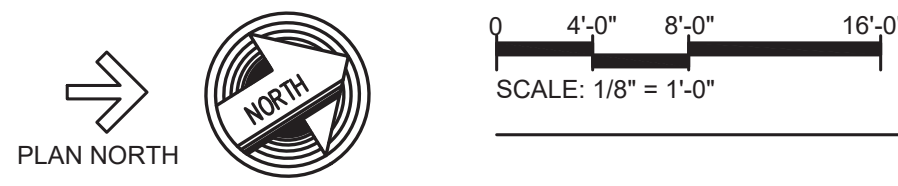
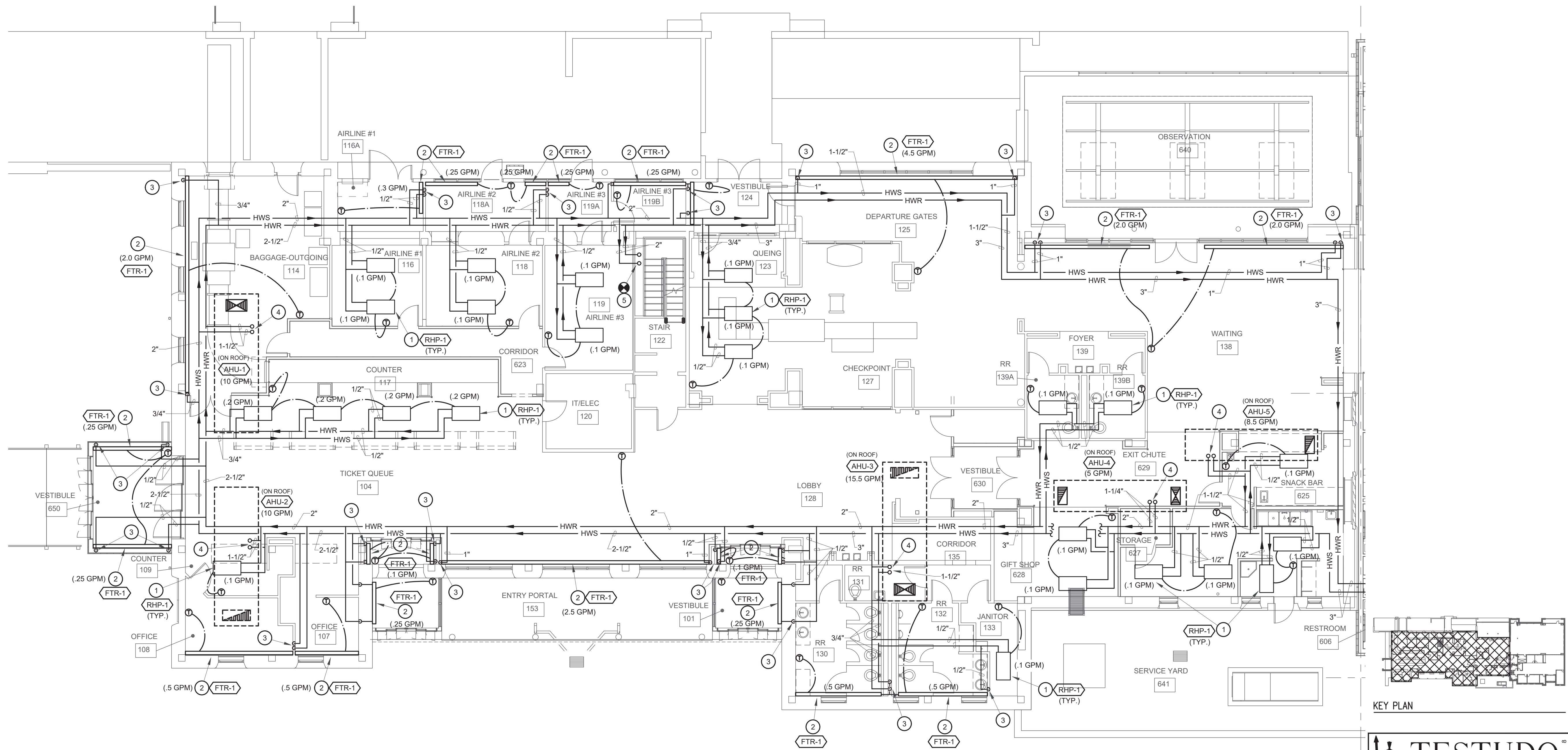
SHEET

GENERAL NOTES

- A. REFER TO SHEET M-601 FOR LEGEND & NOTES.
- B. REFER TO SHEET M-501 AND M-502 FOR DETAILS.

KEYED NOTES

- 1. HYDRONIC RADIANT HEATING CEILING PANEL. INSTALL PER MANUFACTURERS GUIDELINES AND RECOMMENDATIONS. PROVIDE WITH CONTROL VALVE SIMILAR TO FINNED RADIATION DETAIL ON DETAIL SHEET.
- 2. WALL MOUNT FINNED TUBE RADIATION ASSEMBLY. INSTALL PER MANUFACTURERS GUIDELINES AND RECOMMENDATIONS. REFER TO DETAIL ON DETAIL SHEET.
- 3. HEATING SUPPLY AND RETURN WATER PIPING DOWN IN WALL TO FINNED TUBE RADIATOR. INSTALL AIR VENT AT EACH DROP PER DETAIL ON DETAIL SHEET.
- 4. HEATING WATER PIPING UP THROUGH ROOF CURB AND CONNECT TO AIR HANDLING UNIT HEATING COIL. UNIT SHALL HAVE 3-WAY CONTROL VALVE PER DETAIL ON DETAIL SHEET.
- 5. CONNECT NEW HEATING PIPING TO EXISTING PIPING AT THIS APPROXIMATE LOCATION IN CEILING SPACE AND/OR CHASE SPACE. FIELD VERIFY EXISTING LOCATION.

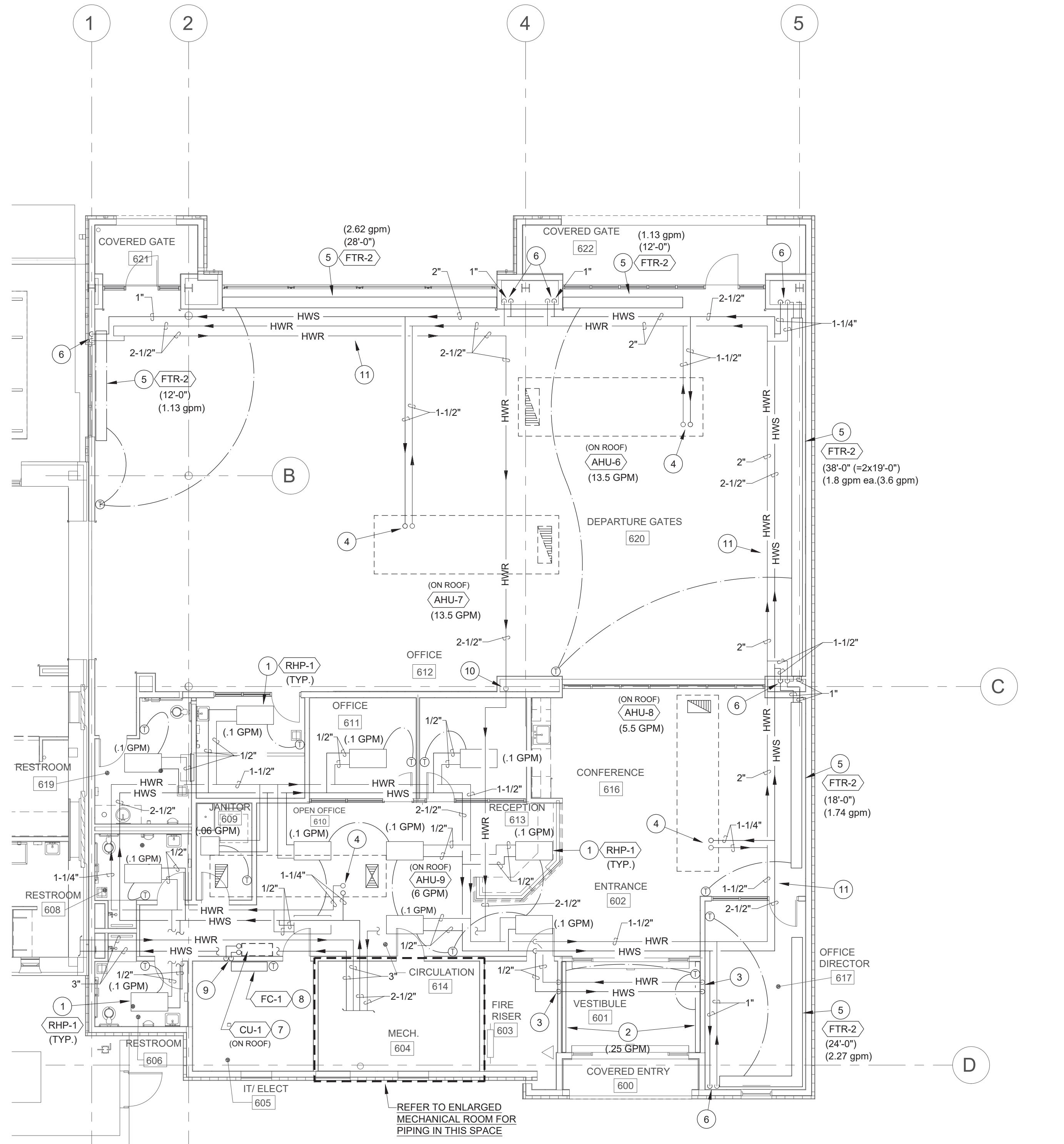
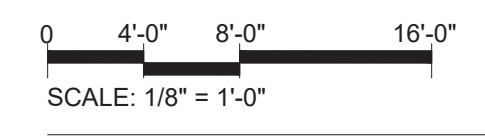
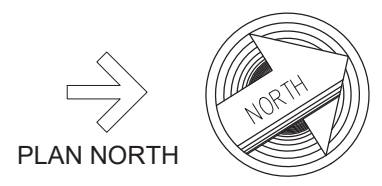


HVAC PIPING NEW WORK PLAN - MAIN TERMINAL 1
 Scale: 1/8" = 1'-0"

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 PROJECT: 20200098 SF REGIONAL AIRPORT GADP DRAWINGS 0009A_M-201

DATE: 8/22/2021 4:57 PM
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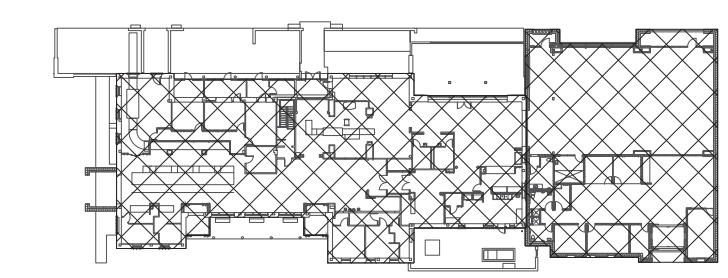
HVAC PIPING NEW WORK PLAN - NORTH ADDITION 1
 Scale: 1/8" = 1'-0"

GENERAL NOTES

- A. REFER TO SHEET M-601 FOR LEGEND, & NOTES.
- B. REFER TO SHEET M-501 AND M-502 FOR DETAILS.

KEYED NOTES ○

1. HYDRONIC RADIANT HEATING CEILING PANEL. INSTALL PER MANUFACTURERS GUIDELINES AND RECOMMENDATIONS. PROVIDE WITH CONTROL VALVE SIMILAR TO FINNED RADIATION DETAIL ON DETAIL SHEET.
2. WALL MOUNT FINNED TUBE RADIATION ASSEMBLY. INSTALL PER MANUFACTURERS GUIDELINES AND RECOMMENDATIONS. REFER TO DETAIL ON DETAIL SHEET.
3. HEATING SUPPLY AND RETURN WATER PIPING DOWN IN WALL TO FINNED TUBE RADIATOR. INSTALL AIR VENT AT EACH DROP PER DETAIL ON DETAIL SHEET.
4. HEATING SUPPLY AND RETURN WATER PIPING UP THROUGH ROOF CURB AND CONNECT TO AIR HANDLING UNIT HEATING COIL. UNIT SHALL HAVE 3-WAY CONTROL VALVE PER DETAIL ON DETAIL SHEET.
5. TRENCH TYPE FINNED TUBE RADIATION. COORDINATE WITH STRUCTURAL AND INSTALL PER MANUFACTURERS GUIDELINES AND RECOMMENDATIONS.
6. HEATING SUPPLY AND RETURN WATER PIPING DOWN IN WALL TO TRENCH FINNED TUBE RADIATOR.
7. INSTALL CONDENSER ON ROOF PER MANUFACTURERS GUIDELINES AND RECOMMENDATIONS. REFER TO DETAIL ON DETAIL SHEET.
8. INSTALL WALL MOUNT FAN COIL UNIT PER MANUFACTURERS GUIDELINES AND RECOMMENDATIONS. REFER TO DETAIL ON DETAIL SHEET.
9. REFRIGERANT PIPING DOWN THROUGH ROOF FROM CONDENSER. EXTEND IN WALL AND CONNECT TO FAN COIL UNIT PER MANUFACTURERS GUIDELINES AND RECOMMENDATIONS. REFER TO DETAIL ON DETAIL SHEET.
10. HEATING RETURN WATER PIPING DOWN IN CHASE FROM HIGH CEILING SOFFIT SPACE TO LOWER CEILING SPACE.
11. ROUTE PIPING IN CEILING SPACE SOFFIT SPACE. REFER TO ARCHITECTURAL FOR SOFFIT LOCATION.



KEY PLAN

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REV. NO.	REV. DATE	DESCRIPTION

PROJECT NUMBER: SAF182-13B MO MO
 DESIGNED BY: MO MO
 DRAWN BY: WAY WAY
 CHECKED BY: PRIME DESIGN PROFESSIONAL WAYNE A. YEVOLI
 PROJECT DATE: AUGUST 2021

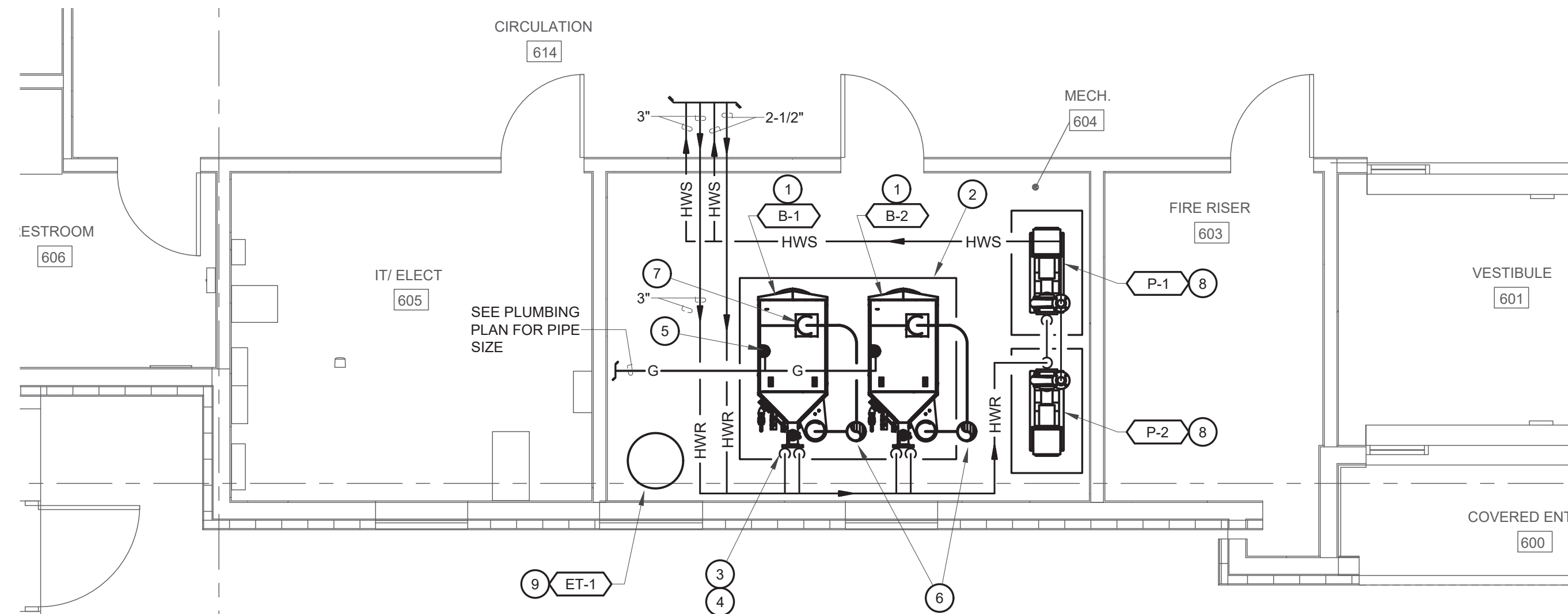
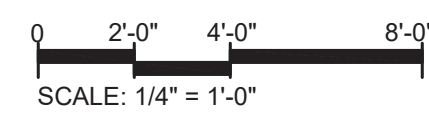
NORTH ADDITION
 HVAC PIPING NEW WORK PLAN

SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
 SANTA FE REGIONAL AIRPORT
 121 AVIATION DR. SANTA FE NM 87507

M-202

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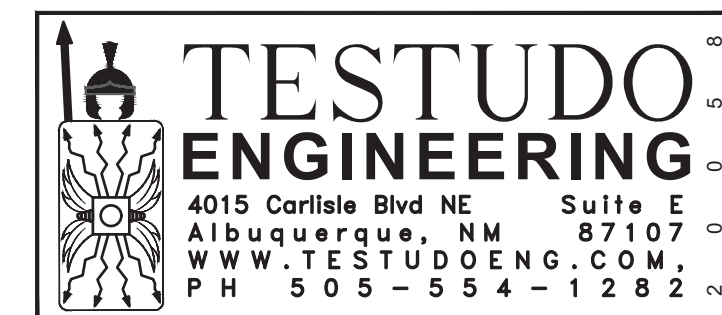
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MECHANICAL NEW WORK ENLARGED PLAN - MECHANICAL ROOM

Scale: 1/4" = 1'-0"

1



GENERAL NOTES

- A. REFER TO SHEET MP-001 FOR LEGEND & NOTES.
- B. REFER TO SHEET M-501 and M-502 FOR DETAILS.
- C. REFER TO SHEET M-601 FOR SCHEDULES.

KEYED NOTES

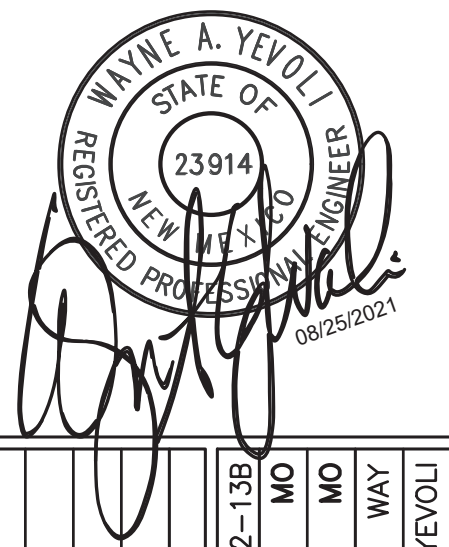
1. INSTALL NEW BOILER AT THIS LOCATION PER ALL MANUFACTURER'S REQUIREMENTS AND CLEARANCES. CONNECT HWS, HWR, GAS, 8" COMBUSTION AIR, AND 8" FLUE TO EACH UNIT AND ROUTE AS SHOWN.
2. INSTALL NEW 6" THICK HOUSEKEEPING PAD TO EXTEND 6" BEYOND THE EQUIPMENT TO BE INSTALLED ON IT. PAD SHALL BE 3000 PSI AT 28 DAYS.
3. ROUTE NEW HOT WATER SUPPLY PIPING AS SHOWN AND CONNECT TO EACH NEW BOILER ACCORDING TO ALL MANUFACTURER'S REQUIREMENTS.
4. ROUTE NEW HOT WATER RETURN AS SHOWN AND CONNECT TO EACH NEW BOILER ACCORDING TO ALL MANUFACTURER'S REQUIREMENTS.
5. EXTEND EXISTING NATURAL GAS AS SHOWN. INSTALL PRESSURE REGULATOR TO BRING LINE PRESSURE FROM APPROXIMATELY 3 PSI TO LOW PRESSURE. FIELD VERIFY EXISTING CONDITIONS. CONNECT TO NEW BOILERS WITH DIRT LEG, GAS COCK, UNION, AND FLEXIBLE CONNECTION.
6. EXTEND NEW STAINLESS STEEL BOILERS FLUES AS SHOWN AND PENETRATE UP THROUGH ROOF AT THIS LOCATION. MAKE PENETRATION WEATHER TIGHT AND ENSURE THE FLUE OUTLET IS NOT WITHIN 10 FEET OF ANY AIR INTAKES. FINISH EACH WITH WALL VENT CAP. INSTALL PER MANUFACTURERS GUIDELINES AND RECOMMENDATIONS.
7. EXTEND NEW COMBUSTION AIR INTAKE FROM NEW BOILER AS SHOWN AND PENETRATE THROUGH NEW STEEL PLATE AT THE LOCATION SHOWN. MAKE PENETRATION WEATHER TIGHT AND ENSURE THAT INTAKE IS NOT WITHIN 10 FEET OF ANY EXHAUST OUTLET OR SEWER VENT.
8. INSTALL NEW HOT WATER PRIMARY CIRCULATION PUMPS AT THIS LOCATION PER ALL MANUFACTURER'S REQUIREMENTS AND CLEARANCES.
9. EXPANSION TANK, REFER TO DETAIL SHEET.

MOLZENCORBIN

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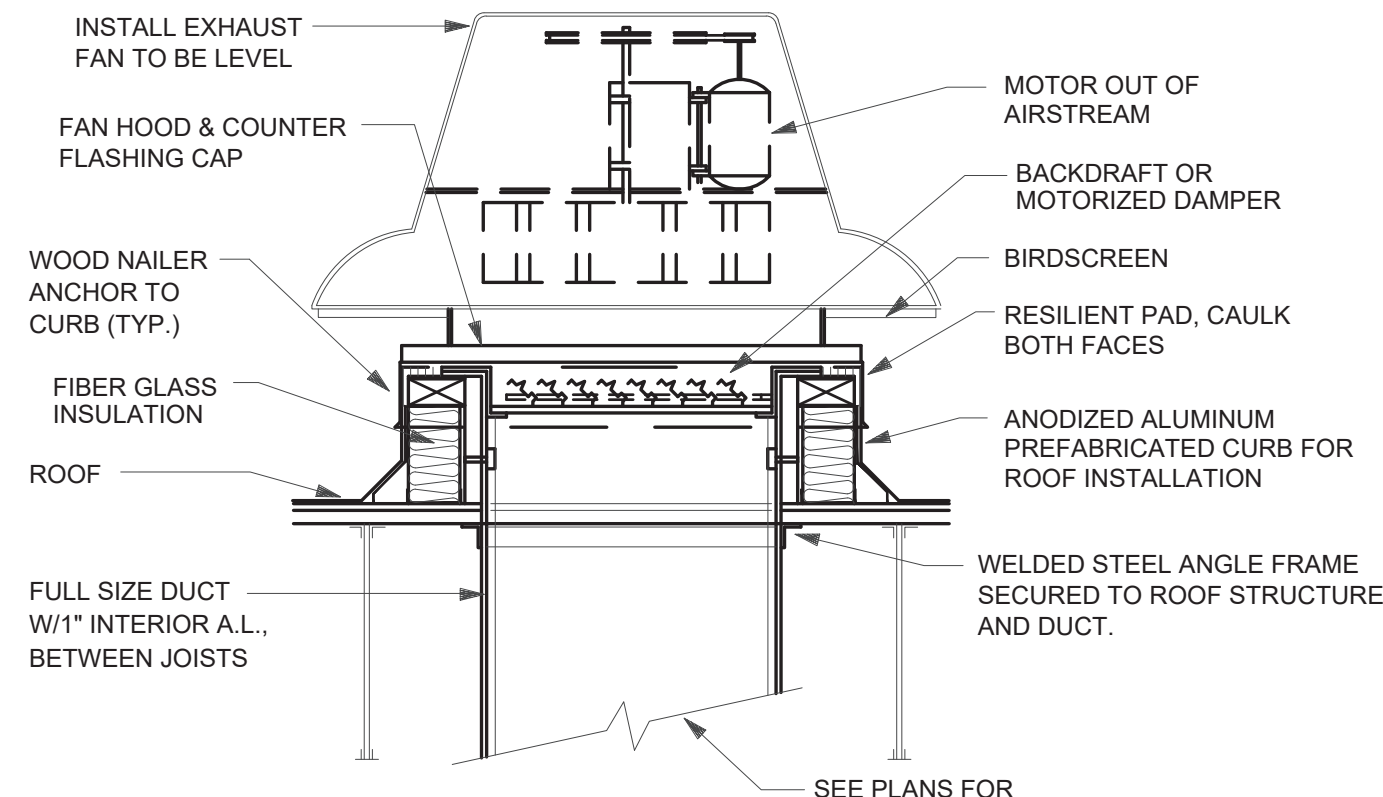
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PROJECT NUMBER:	SAF182-13B	MO
DESIGNED BY:		MO
DRAWN BY:		WAY
CHECKED BY:		WAY
PRIME DESIGN PROFESSIONAL:	WAYNE A. YEVOLI	
PROJECT DATE:	AUGUST 2021	

MECHANICAL NEW WORK ENLARGED PLAN -
 MECHANICAL ROOM

SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
 SANTA FE REGIONAL AIRPORT
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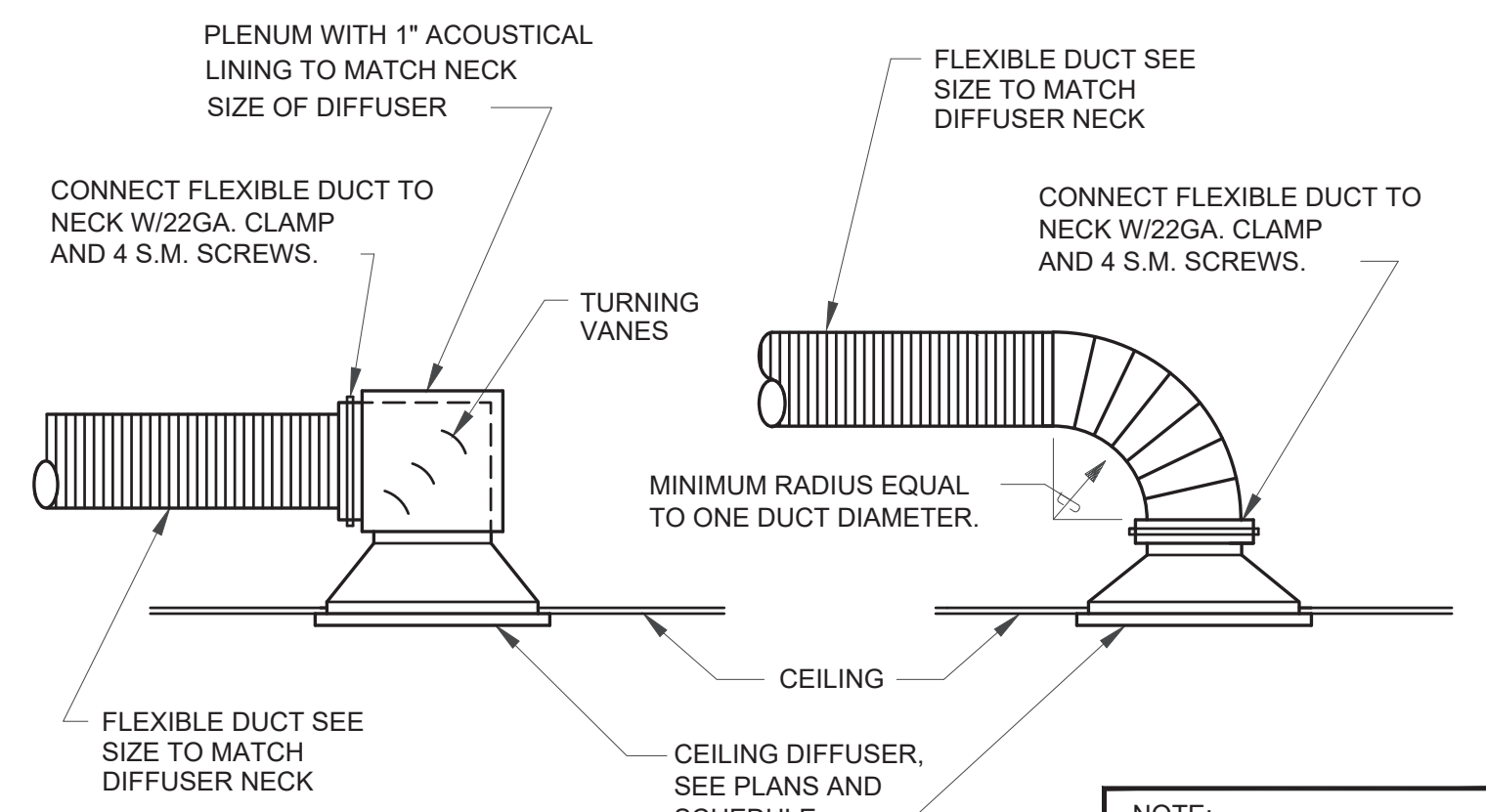
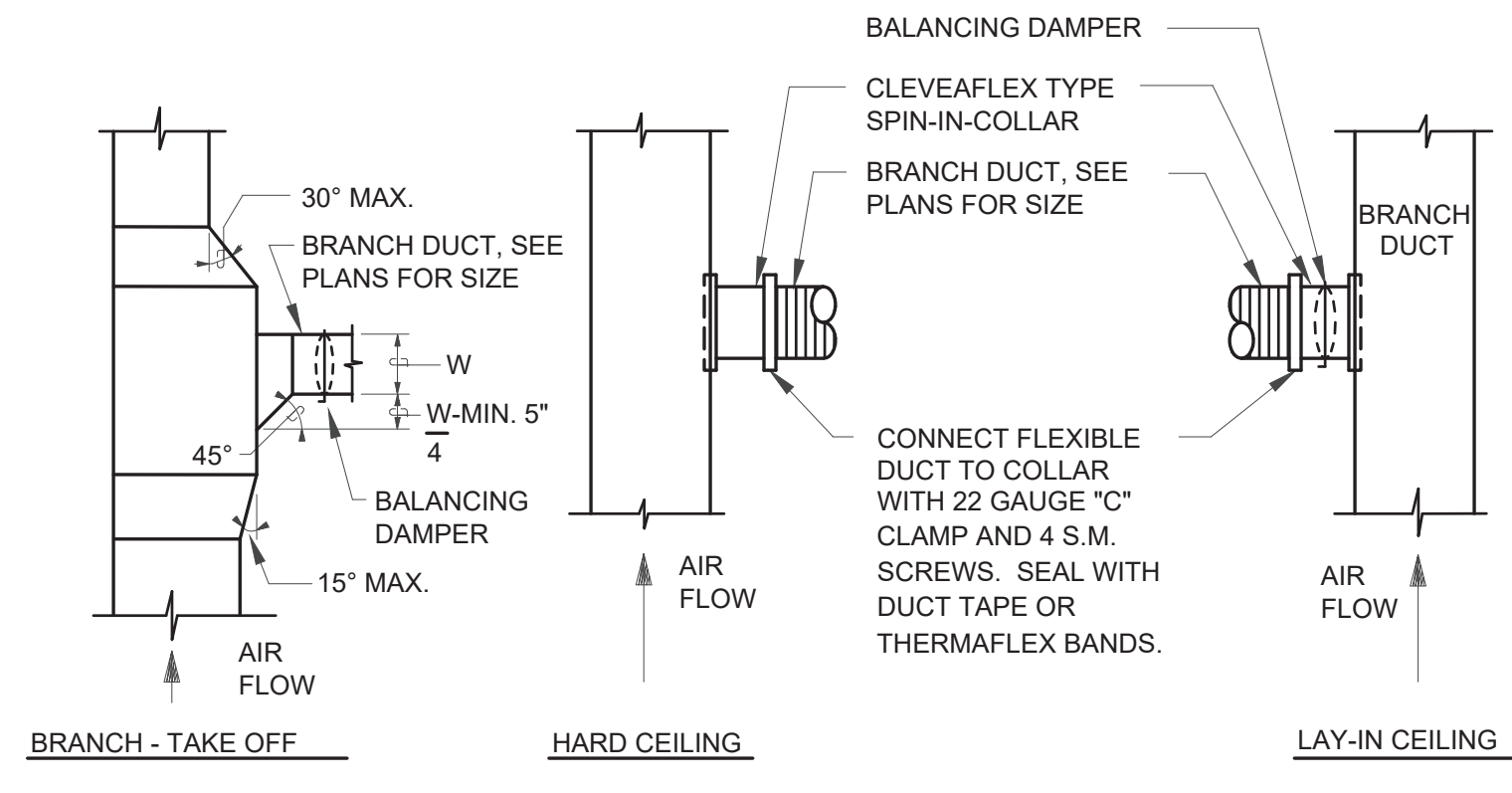
M-401

SHEET



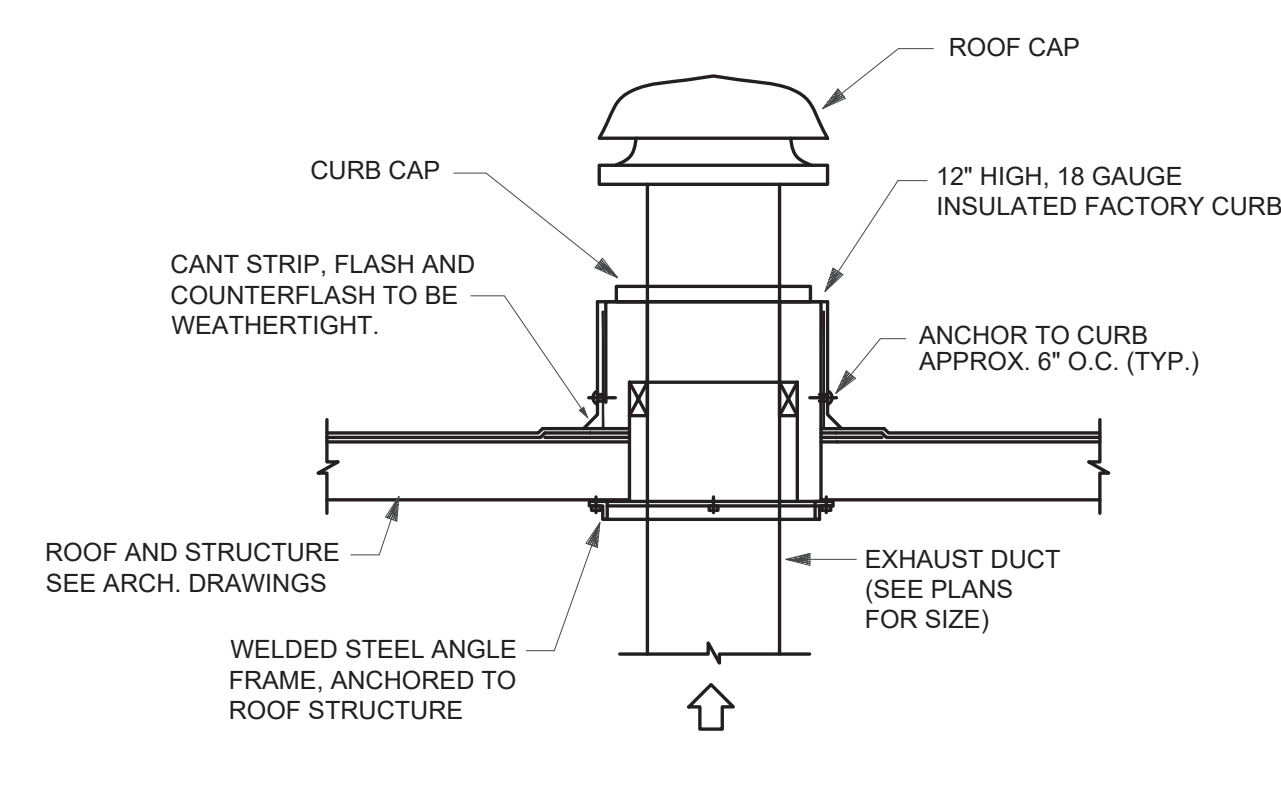
NOTE: INSTALLATION TYPICAL FOR BELT AND DIRECT DRIVE FANS.
SEE PLANS FOR CONTINUATION OF DUCTWORK

EXHAUST FAN DETAIL
SCALE: NONE

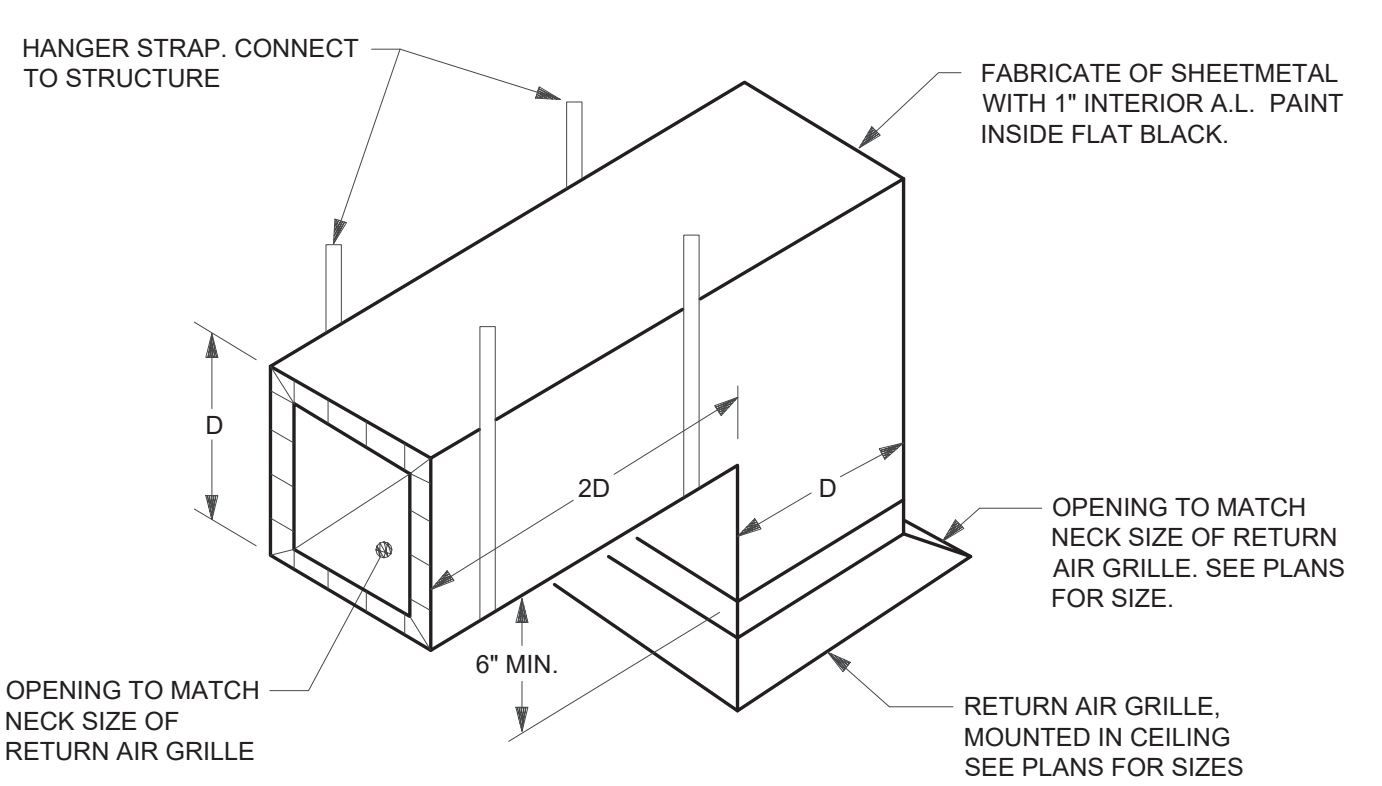


NOTE: MAXIMUM FLEXIBLE DUCT LENGTH SHALL BE 5'-0"

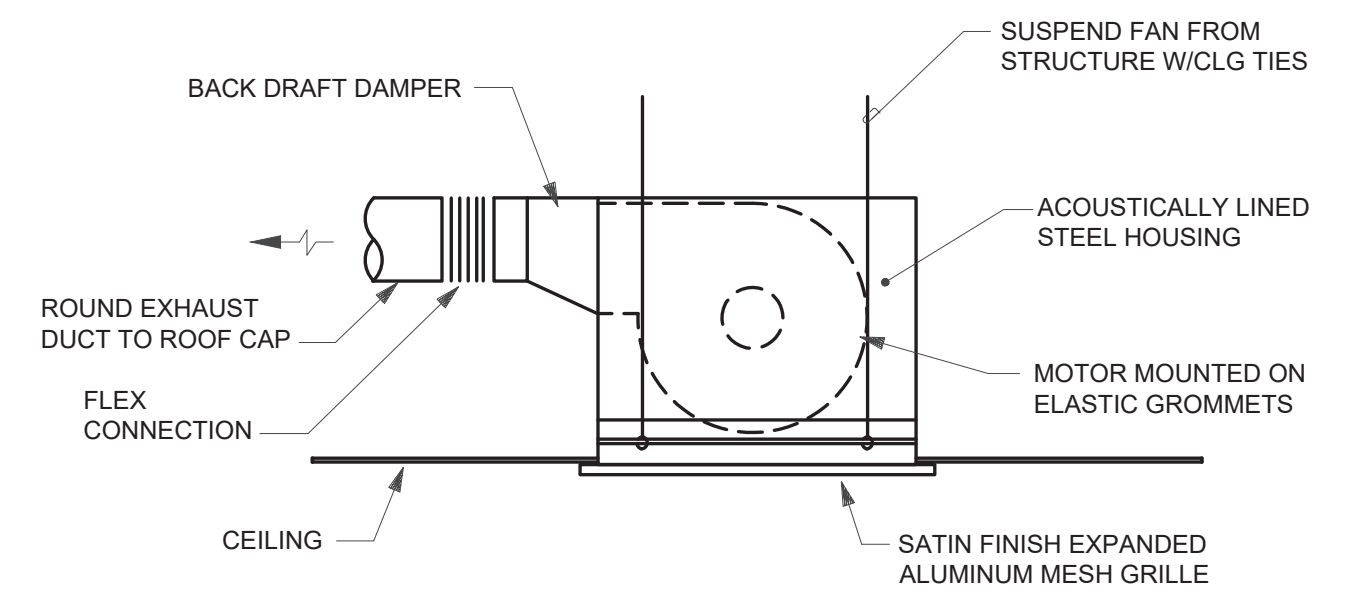
DIFFUSER CONNECTION DETAIL
SCALE: NONE



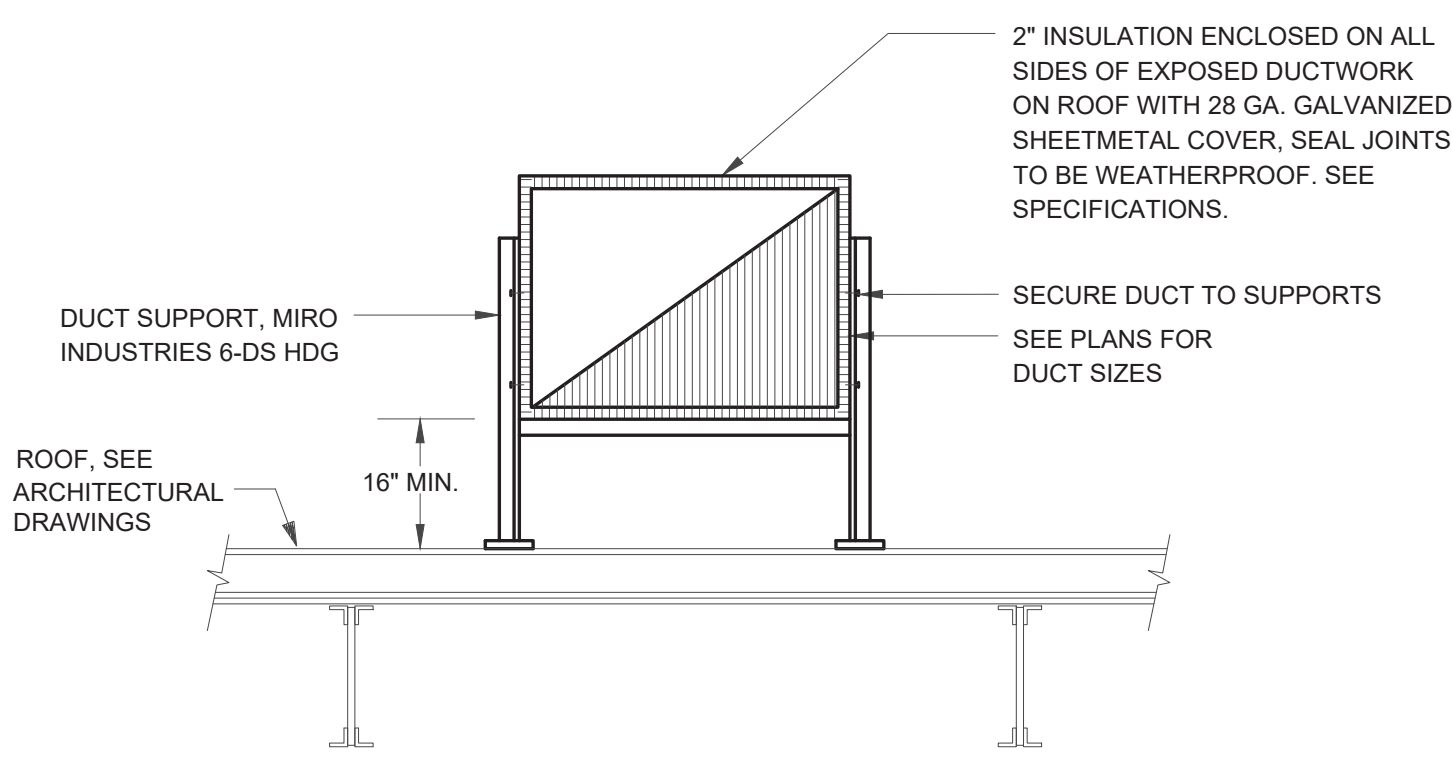
ROOF CAP DETAIL
SCALE: NONE



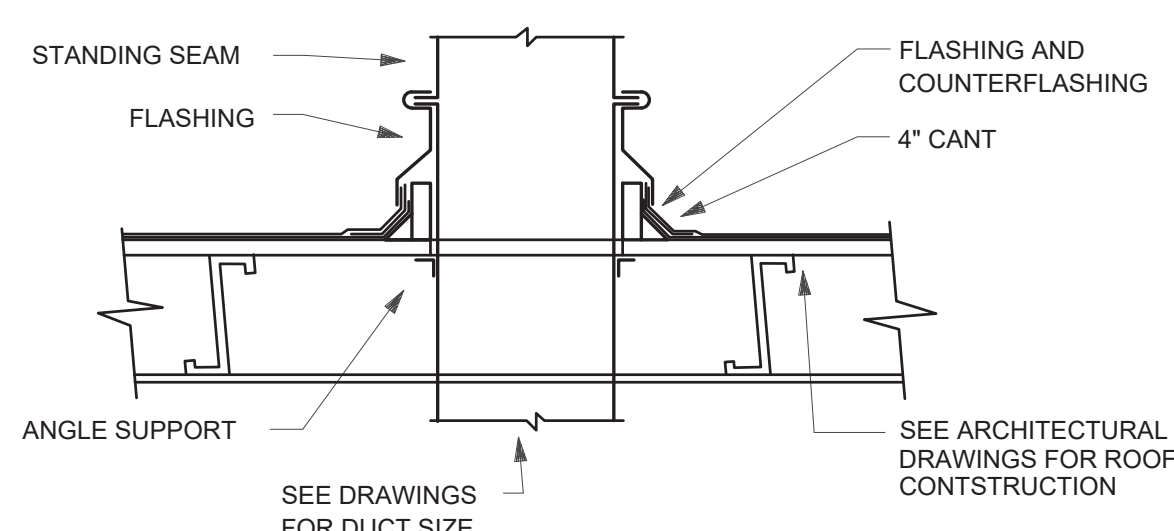
RETURN AIR SOUND ELBOW
SCALE: NONE



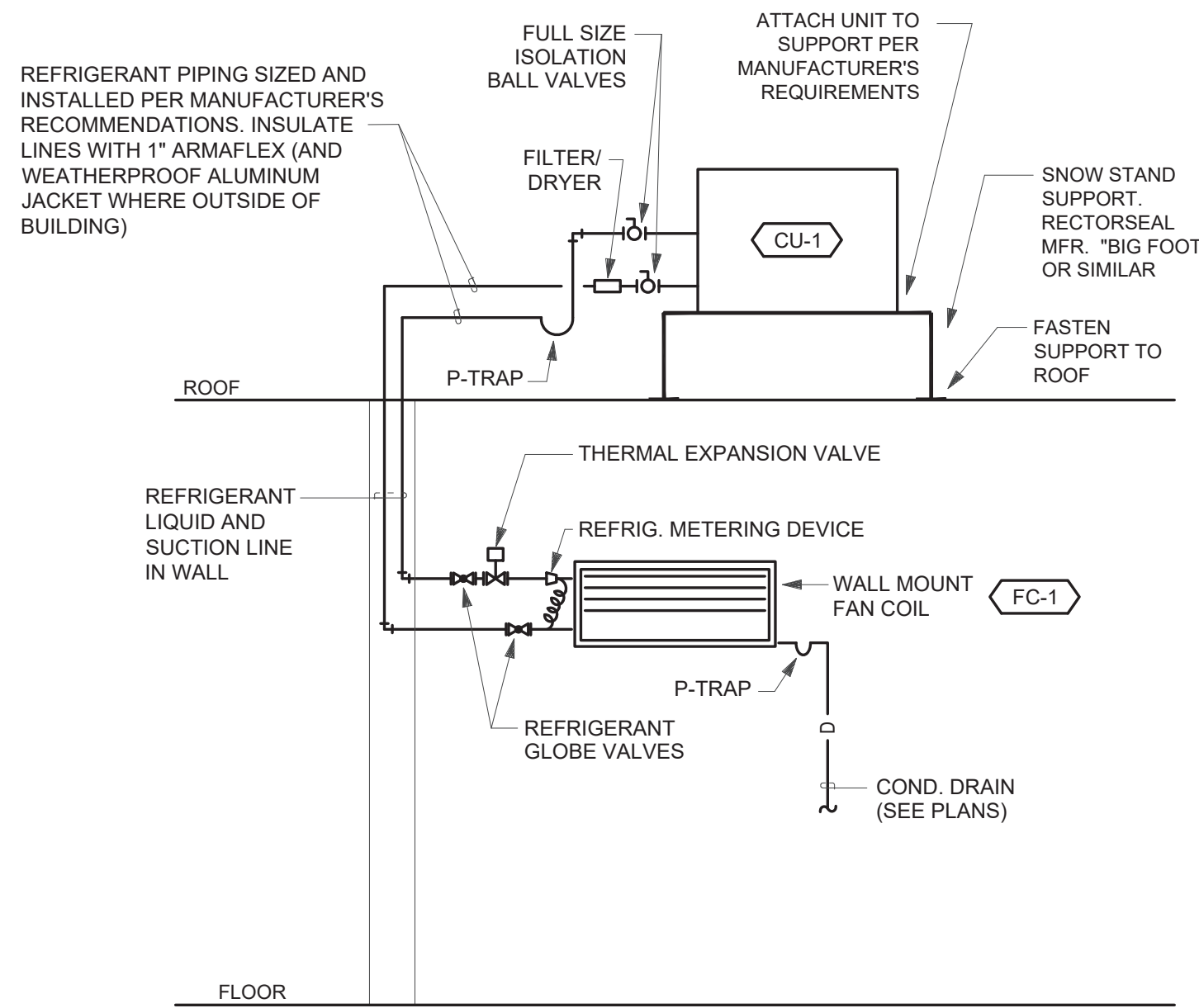
CEILING MOUNTED EXHAUST FAN DETAIL
SCALE: NONE



DUCT SUPPORT ON ROOF DETAIL
SCALE: NONE



DUCT THROUGH ROOF DETAIL
SCALE: NONE



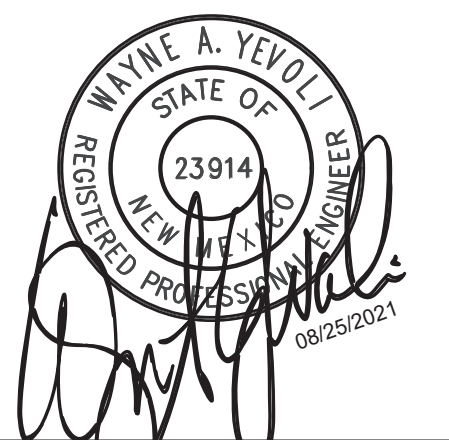
CONDENSER / FAN COIL UNIT DETAIL
SCALE: NONE

MOLZENCORBIN

2701 Miles Road SE
Albuquerque, New Mexico 87106
505 242 5700 office
505 242 0673 fax
MolzenCorbin.com

NOTICE OF EXTENDED PAYMENT PROVISION:
THIS CONTRACT ALLOWS THE OWNER TO MAKE
PAYMENT WITHIN 45 DAYS AFTER SUBMISSION
OF AN UNDISPUTED REQUEST FOR PAYMENT

NUMERIC SCALE CONFIRMATION
DRAWINGS ARE DEPICTED AT INTENDED
NUMERIC SCALES
IF THIS BAR EQUALS ONE INCH



REV NO	REV DATE	DESCRIPTION

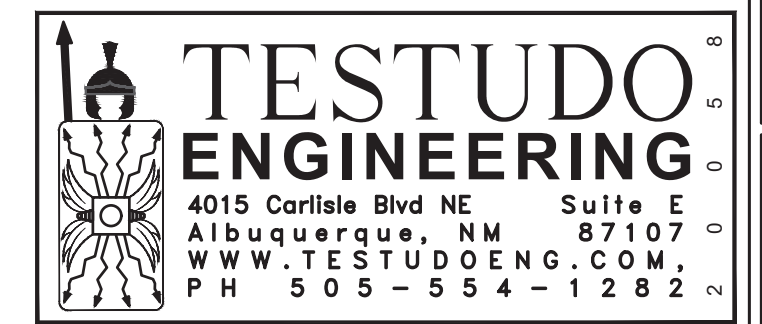
PROJECT NUMBER: SAF182-13B
DESIGNED BY: MO
DRAWN BY: MO
CHECKED BY: WAY
PRIME DESIGN PROFESSIONAL: WAYNE A. YEVOLI
PROJECT DATE: AUGUST 2021

MECHANICAL DETAILS

SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
SANTA FE REGIONAL AIRPORT
121 AVIATION DR. SANTA FE NM 87507

M-501

SHEET



DATE: 8/25/2021 1:57 PM
SAVE DATE: 8/25/2021 2:40 PM
21\PROJECTS_2020\0008_SF_REGIONAL_AIRPORT_CADD\DRAWINGS\0008_MJ-501

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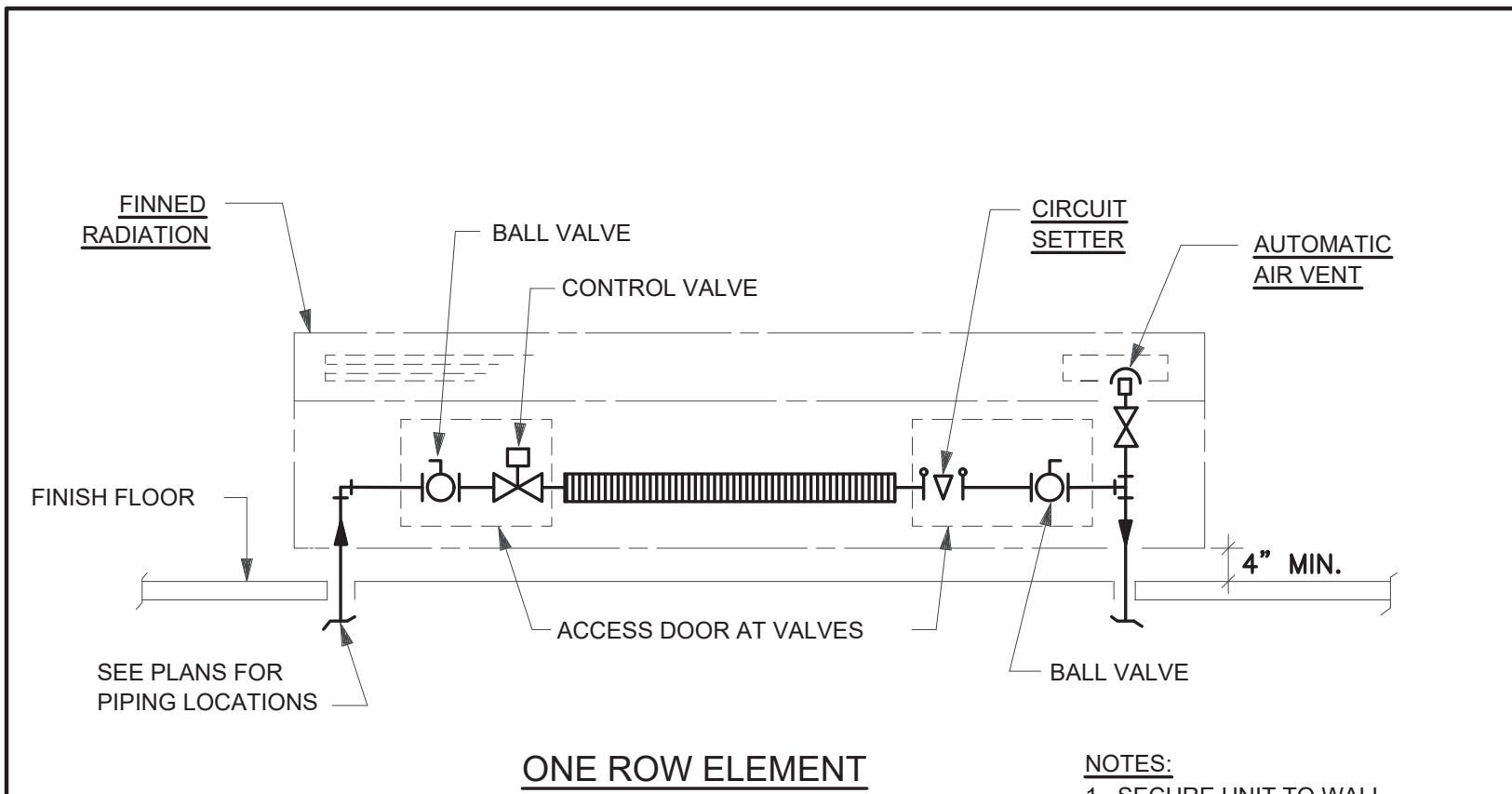
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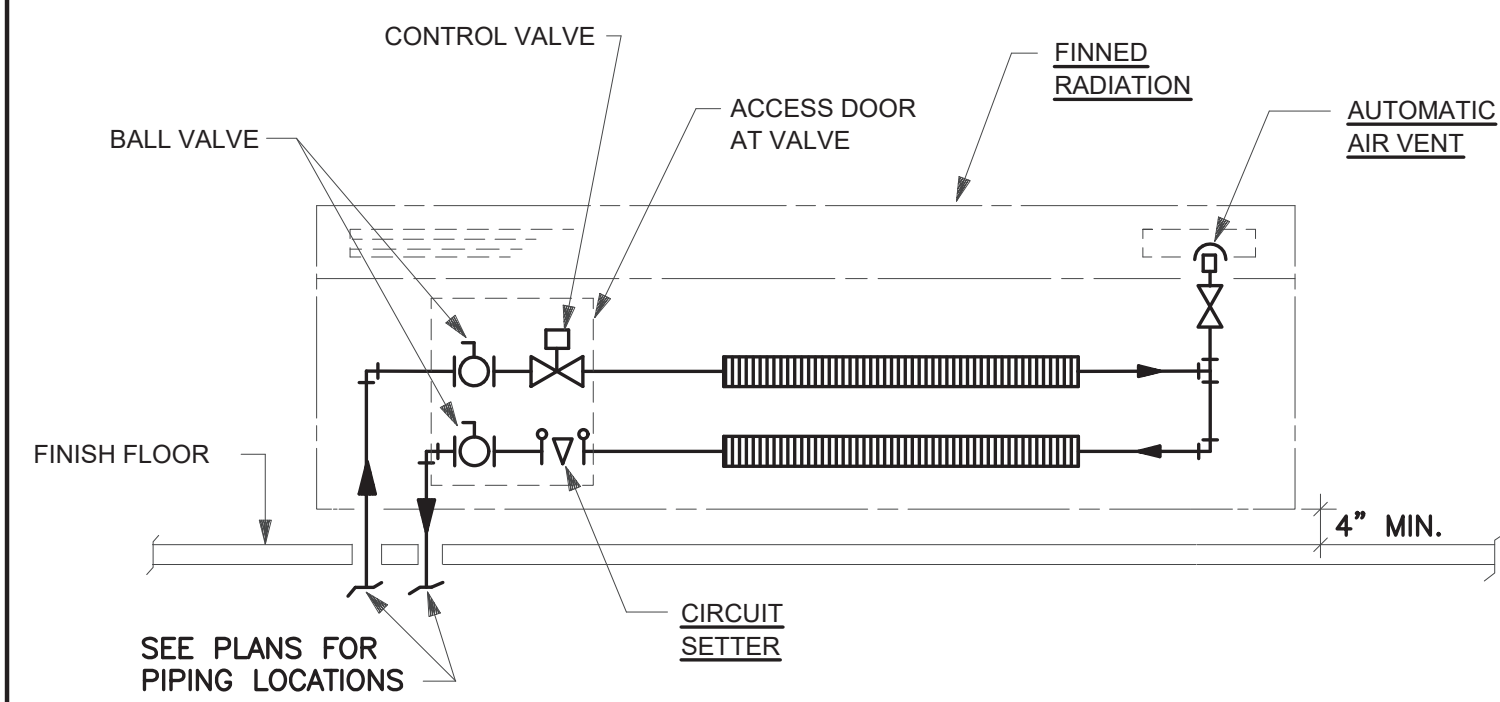


REV NO	REV DATE	DESCRIPTION
PROJECT NUMBER:	SAF182-13B	MO
DESIGNED BY:		MO
DRAWN BY:		WAY
CHECKED BY:		
PRIME DESIGN PROFESSIONAL:	WAYNE A. YEVOLI	
PROJECT DATE:	AUGUST 2021	



ONE ROW ELEMENT

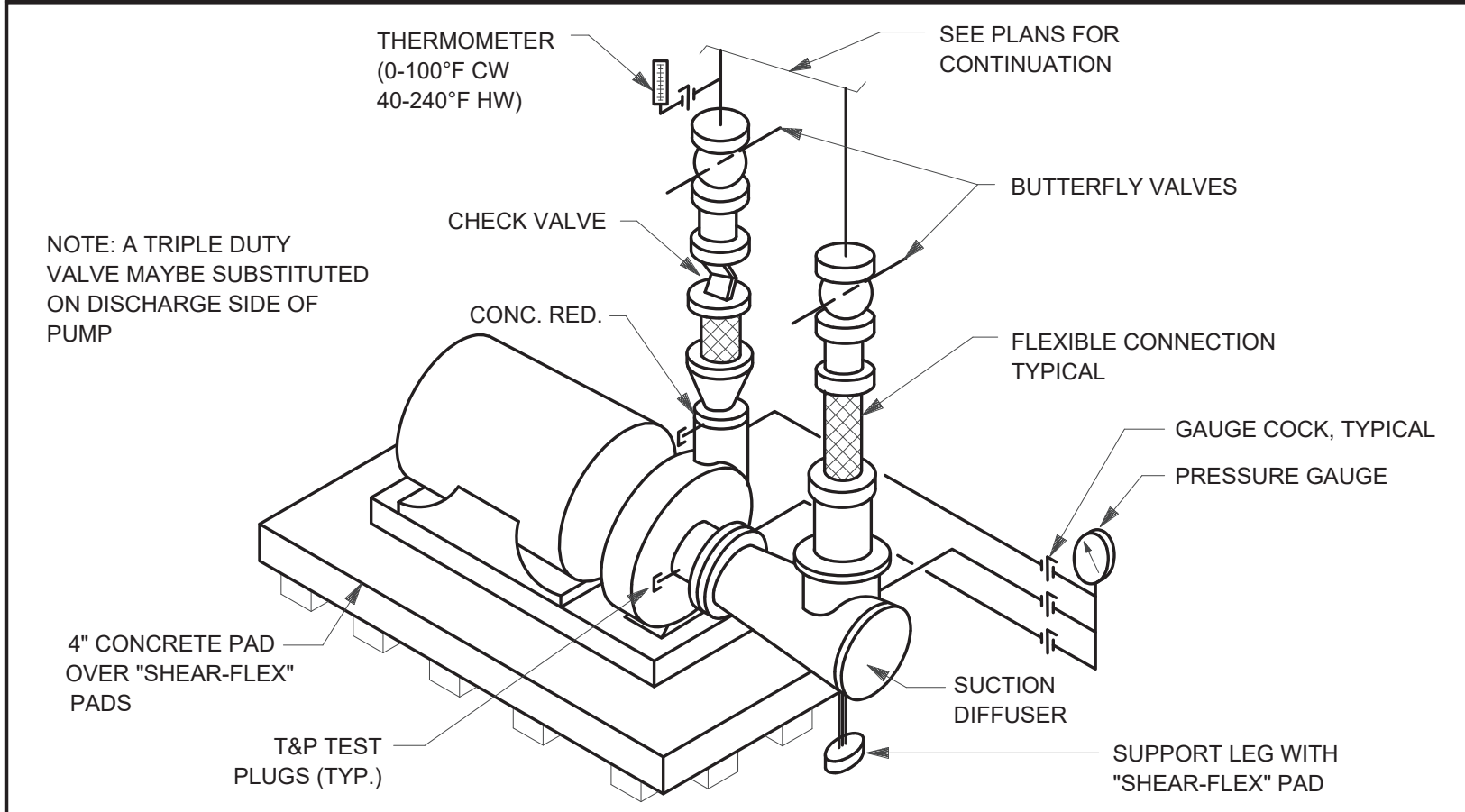
- NOTES:**
1. SECURE UNIT TO WALL ACCORDING TO MFRS. DETAILS AND RECOMMENDATIONS.
 2. SEE MECHANICAL EQUIPMENT SCHEDULE FOR DESCRIPTION OF BASEBOARD RADIATION.
 3. PROVIDE ACCESS PANELS TO ALL VALVES & EQUIPMENT



TWO ROW ELEMENT

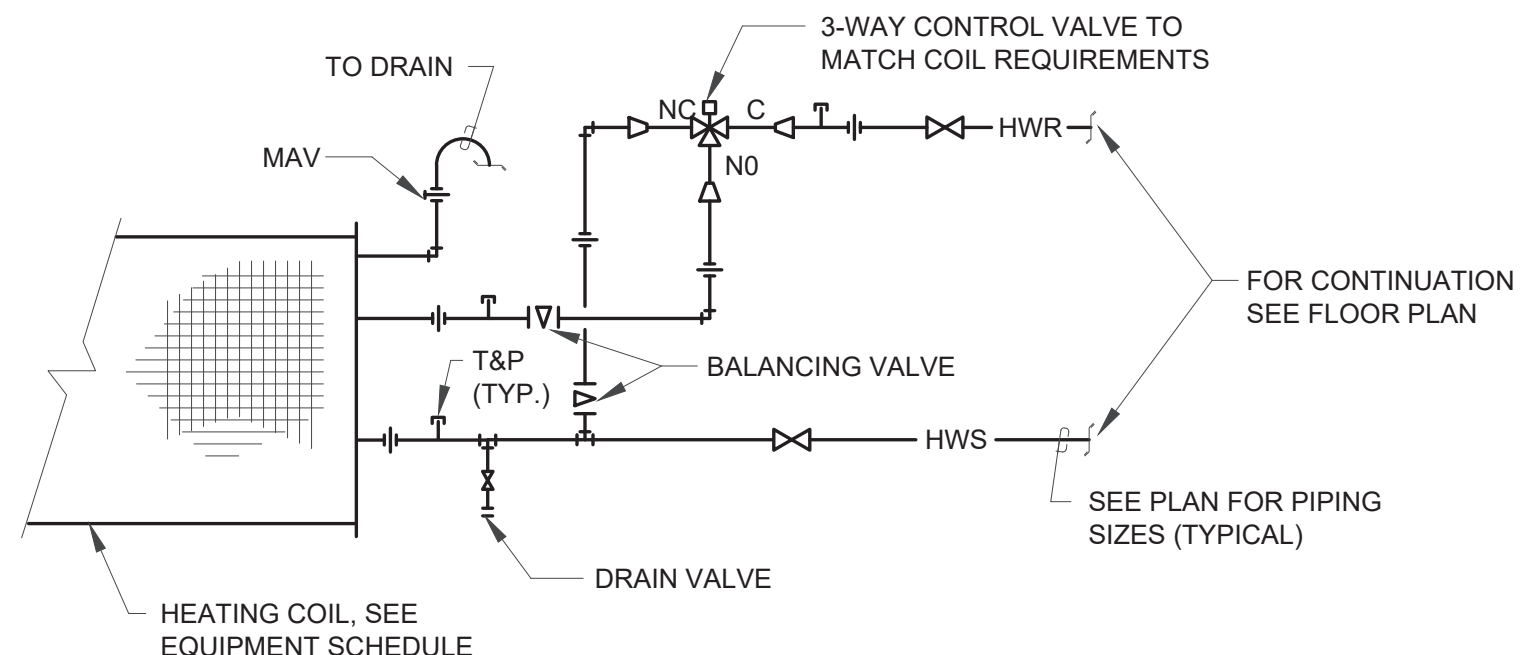
FINNED RADIATION DETAIL

SCALE: NONE



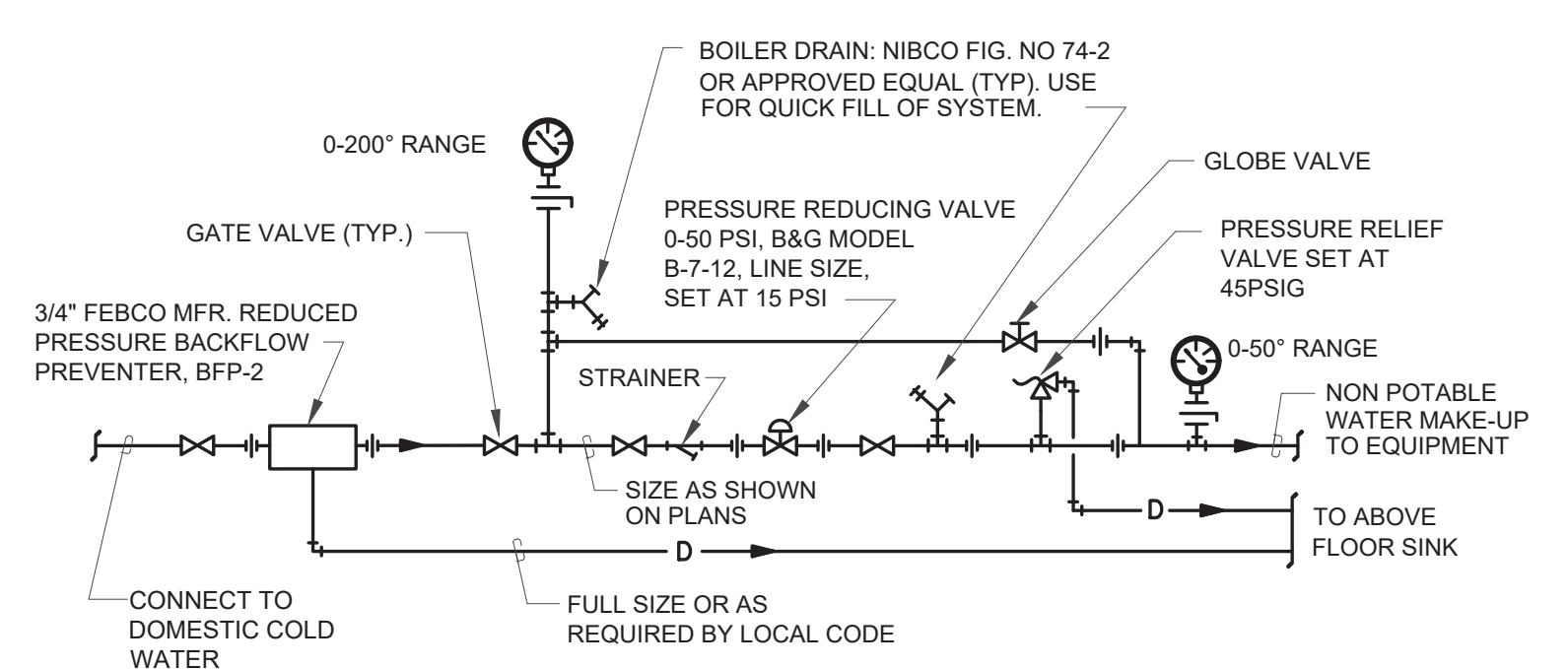
PUMP CONNECTION DETAIL

SCALE: NONE



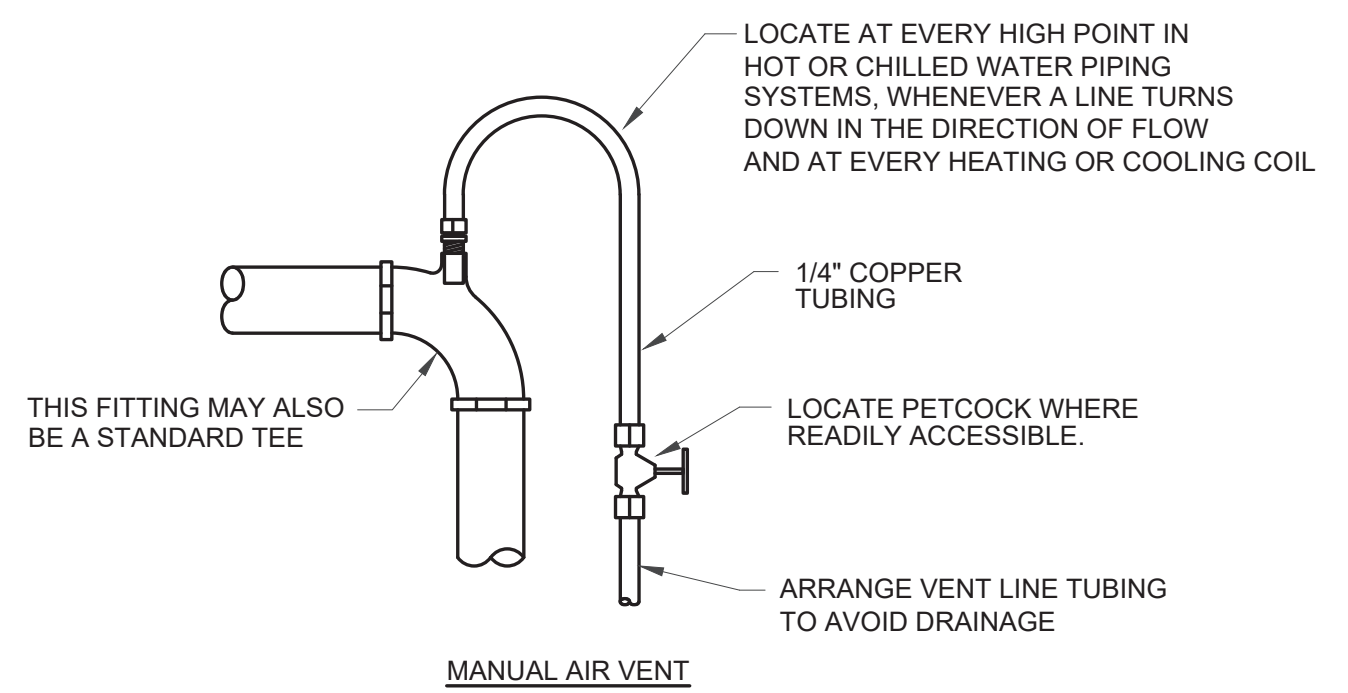
THREE WAY HEATING COIL PIPING DIAGRAM

SCALE: NONE (FOR AIR HANDLING UNITS INSTALLATION)



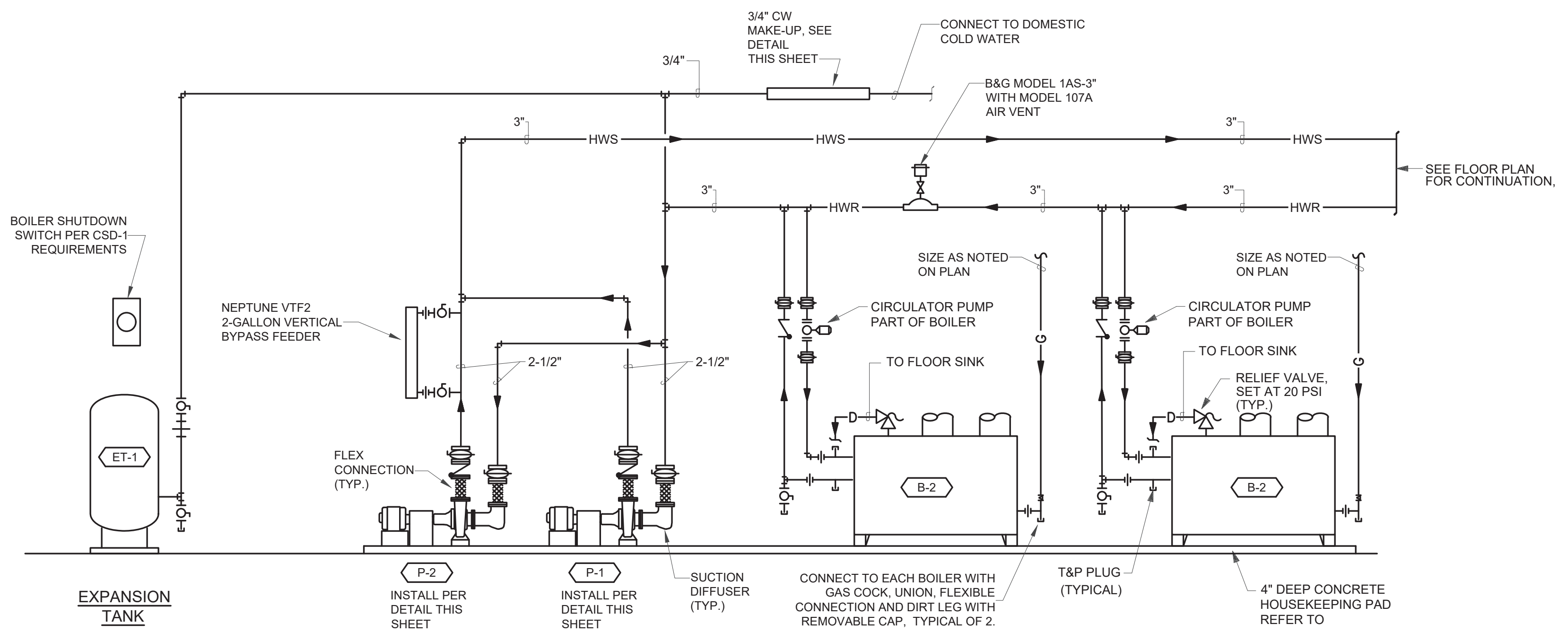
BOILER COLD WATER MAKE-UP DIAGRAM

SCALE: NONE



AIR VENT DETAIL

SCALE: NONE

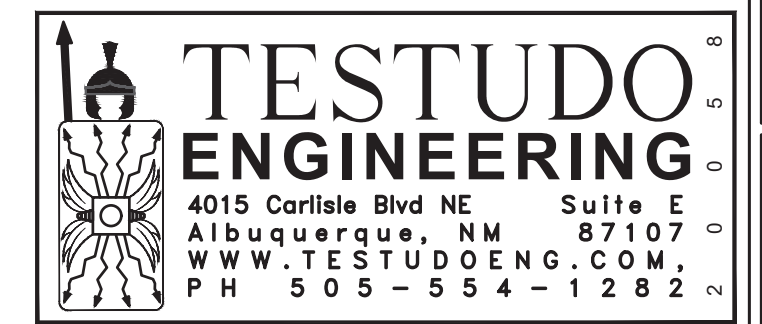


BOILERS AND PUMPS PIPING SCHEMATIC

SCALE: NONE

MECHANICAL DETAILS

SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
 SANTA FE REGIONAL AIRPORT
 121 AVIATION DR. SANTA FE NM 87507



M-502

SHEET

DATE: 8/25/2021 4:58 PM
 SAVE DATE: 8/25/2021 2:46 PM
 21\PROJECTS_2020\0008_SF_REGIONAL_AIRPORT\CAO\DRAWINGS\0008_M-502

MECHANICAL EQUIPMENT SCHEDULE	
SYMBOL	DESCRIPTION
FTR-2	FINNED TUBE RADIATION (TRENCH TYPE): HIGH OUTPUT HOT WATER FINNED-TUBE RADIATION FLOOR TRENCH ASSEMBLY. COMPLETE WITH 18GAUGE ZINC COATED STEEL ENCLOSURES, ROLL-UP GRILLE ALUMINUM, BLACK ANODIZED AND ALL ACCESSORIES REQUIRED FOR A COMPLETE AND OPERATIONAL ASSEMBLY. KAMPMANN MANUFACTURER, MODEL NK. 15" WIDE x 7.9" DEEP
RHP-1	RADIANT HEATING CEILING PANEL: HOT WATER RADIANT CEILING MODULAR PANEL FOR LAY-IN CEILING APPLICATION, 24"x48" AND 24"x24" (SEE PLANS FOR SIZE). PANELS FABRICATED FROM 18 GAUGE ALUMINUM SHEET WITH MECHANICALLY FASTENED HEATING COIL. THERMAL CONTACT BETWEEN THE COIL AND PANEL IS MAINTAINED BY AN ALUMINUM HEAT SADDLE FASTENED WITH WELDED ALUMINUM STUDS. COIL IS CLIPPED TO THE SADDLE USING CADMIUM PLATED STEEL STEEL CLIPS WHERE HEAT TRANSFER PASTE IS USED AT THE INTERFACE BETWEEN THE ALUMINUM HEAT AND BOTH THE FACE OF THE PANEL AND THE TUBING. STANDARD FINISH IS OFF-WHITE OR SILK-SCREEN PRINTED TO SIMULATE ADJACENT ACOUSTIC CEILING TILES (ARCHITECT TO SELECT) SELECTION BASED ON TWA PANEL SYSTEMS, INC. OR APPROVED EQUAL.

BOILER SCHEDULE								
MARK	MANUFACTURER MODEL #	INPUT MBH	OUTPUT MBH		GPM	LWT (F)	THERM. % EFF.	ELECTRICAL
			@SL	@ALT				
B-1	LOCHINVAR FBN1001	999	961	-	96	160	96.2	120V 1 PH 2.7 AMPS
B-2	LOCHINVAR FBN1001	999	961	-	96	160	96.2	120V 1 PH 2.7 AMPS

- NOTES:
- INTEGRATE INTO DDC SYSTEM. BOILERS SHALL OPERATE IN LEAD / LAG STAND-BY ORDER
 - STAINLESS STEEL HEAT EXCHANGER.
 - HIGH-LOW GAS PRESSURE SWITCH.
 - LOW WATER CUT-OFF.
 - FLOW SWITCH.
 - PRESSURE RELIEF VALVE.
 - AQUASTAT.
 - THERMOSTAT AT INLET AND OUTLET.
 - GAS REGULATOR AND PRESSURE SWITCH. HIGH LIMIT WITH MANUAL RESET AND FLOW SWITCH.
 - REDUNDANT GAS VALVES.
 - HIGH-LOW AIR PRESSURE SWITCH.
 - HOT SURFACE IGNITION WITH ELECTRONIC SUPERVISION, FACTORY MUTUAL, AND FRING CONTROLS REQUIRED BY REGION OF INSTALL.
 - CONDENSATE NEUTRALIZATION KIT.
 - BOILER CIRCULATORS PART OF BOILER
 - STAINLESS STEEL EXHAUST FLUE AND COMBUSTION INTAKE

PUMP SCHEDULE											
MARK	MANUFACTURER MODEL #	SERVICE	TYPE	GPM	HEAD FT	RPM	PUMP EFF %	HP	ELECTRICAL		REMARKS
									VOLT	PHASE	
P-1	BELL & GOSSETT E-1510-2BD	HEATING SYSTEM	BASE MOUNTED END SUCTION PUMP	145	70	1745	72.7	5	208	3	WITH SUCTION DIFFUSER & MULTIPURPOSE VALVE PER DETAIL. PROVIDE WITH VARIABLE FREQUENCY DRIVE
P-2	BELL & GOSSETT E-1510-2BD	HEATING SYSTEM	BASE MOUNTED END SUCTION PUMP	145	70	1745	72.7	5	208	3	WITH SUCTION DIFFUSER & MULTIPURPOSE VALVE PER DETAIL. PROVIDE WITH VARIABLE FREQUENCY DRIVE

FAN SCHEDULE													
MARK	FAN TYPE	SERVICE	CFM	EXT. SP IN	MOTOR RPM	MOTOR WATTS	MOTOR FLA	MOTOR HP	ELECTRICAL		SONES	DRIVE	MANUFACTURER MODEL #
									VOLTS	PHASE			
CE-1	CEILING EXHAUSTER	JANITOR'S CLOSET	85	.4	X	25	X	X	115	1	2.5	DIRECT	GREENHECK SP-A200
CE-2	CEILING EXHAUSTER	JANITOR'S CLOSET	85	.4	X	25	X	X	115	1	2.5	DIRECT	GREENHECK SP-A200
EF-1	CENTRIFUGAL ROOF EXHAUST FAN	RESTROOMS	1000	.6	1725		2.85	1/4	115	1	12.3	DIRECT	GREENHECK G-099-VG

- NOTES:
- FANS ARE SELECTED AT 7,200 FT ABOVE SEA LEVEL.
 - PROVIDE ALL FANS WITH VIBRATION ISOLATION.
 - PROVIDE EACH DIRECT DRIVE CEILING FAN WITH SOLID-STATE SPEED CONTROLLER MOUNTED ON FAN HOUSING.
 - PROVIDE ALL SERVICE AND OPERATIONAL CLEARANCES AS REQUIRED, INCLUDING ALL CLEARANCES REQUIRED BY NEC ARTICLE 110.
 - REFER TO MANUFACTURER DATA FOR EQUIPMENT WEIGHTS.

APPROVED EQUIVALENT MANUFACTURER: COOK, TWIN CITY, CARNES

EXPANSION TANK SCHEDULE										
MARK	MANUFACTURER MODEL #	SERVICE	INSTALL MOUNTING	GAL VOL		DIMENSIONS (IN)		OPER. PRESS. (PSI)	REMARKS	
				TANK	ACCEPT.	DIA	LENGTH			
ET-1	BELL & GOSSETT B-200	HEATING WATER	VERTICAL	10	-	-	-	BLADDER	PRE-CHARGED, ASME CERTIFIED. PROVIDE WITH REQUIRED SUPPORTS.	

MECHANICAL EQUIPMENT SCHEDULE	
SYMBOL	DESCRIPTION
CD-1	CEILING DIFFUSER: 24x24 LOUVERED FACE DIFFUSER, ALUMINUM WITH REMOVABLE CORE, FRAME FOR LAY IN, WHITE ENAMEL FINISH, ROUND NECK, FOUR-WAY THROW PATTERN, MAXIMUM NECK VELOCITY 600 FPM, NC LEVEL LESS THAN 30. PRICE SERIES ASCD OR APPROVED EQUAL.
CD-2	CEILING DIFFUSER: 12x12 LOUVERED FACE DIFFUSER, ALUMINUM WITH REMOVABLE CORE, FRAME FOR SURFACE MOUNT, WHITE ENAMEL FINISH, OPPOSED BLADE DAMPER, ROUND NECK, FOUR-WAY THROW PATTERN, MAXIMUM NECK VELOCITY 600 FPM, NC LEVEL LESS THAN 30. PRICE SERIES ASCD OR APPROVED EQUAL.
CD-3	CEILING DIFFUSER: ROUND CONE DIFFUSER, FOUR CONE, ALUMINUM WITH THREE POSITION CORE, DUCT MOUNTED, OPPOSED BLADE DAMPER MAXIMUM NECK VELOCITY 700 FPM, NC LEVEL LESS THAN 30. PRICE SERIES ARCD OR APPROVED EQUAL. (PREP AND PRIME FOR FIELD PAINTING)
CD-4	CEILING DIFFUSER: 24x24 LOUVERED FACE DIFFUSER, ALUMINUM WITH REMOVABLE CORE, FRAME FOR SURFACE MOUNT, WHITE ENAMEL FINISH, OPPOSED BLADE DAMPER, ROUND NECK, FOUR-WAY THROW PATTERN, MAXIMUM NECK VELOCITY 600 FPM, NC LEVEL LESS THAN 30. PRICE SERIES ASCD OR APPROVED EQUAL.
CD-5	CEILING DIFFUSER: LOUVERED FACE DIRECTIONAL DIFFUSER, ALUMINUM WITH REMOVABLE CORE, FRAME FOR SURFACE MOUNT, WHITE ENAMEL FINISH, OPPOSED BLADE DAMPER, ROUND NECK, FOUR-WAY THROW PATTERN, MAXIMUM NECK VELOCITY 600 FPM, NC LEVEL LESS THAN 30. PRICE SERIES AMD OR APPROVED EQUAL.
SR-1	SUPPLY REGISTER: DOUBLE DEFLECTION REGISTER, ALL STEEL CONSTRUCTION, FRONT BLADES VERTICAL, 3/4" BLADE SPACING, OPPOSED BLADE DAMPER, SPONGE RUBBER GASKET, WHITE ENAMEL FINISH, MAXIMUM NECK VELOCITY 600 FPM, NC LEVEL LESS THAN 30. PRICE MODEL 520D/S OR APPROVED EQUAL.
RG-1	RETURN GRILLE: 12 X 24 EGGCRATE GRILLE, 1/2" X 1/2" X 1/2" GRID, ALUMINUM CONSTRUCTION, FRAME FOR LAY IN CEILING WHITE ENAMEL FINISH, MAXIMUM 600 FPM, PRICE 80TB OR APPROVED EQUAL.
RG-2	RETURN GRILLE: 24 X 24 EGGCRATE GRILLE, 1/2" X 1/2" X 1/2" GRID, ALUMINUM CONSTRUCTION, FRAME FOR LAY IN CEILING WHITE ENAMEL FINISH, MAXIMUM 600 FPM, PRICE 80TB OR APPROVED EQUAL.
RG-3	RETURN GRILLE: EGGCRATE GRILLE, 1/2" X 1/2" X 1/2" GRID, ALUMINUM CONSTRUCTION, FRAME FOR HARD CEILING MOUNT, WHITE ENAMEL FINISH, MAXIMUM 600 FPM, PROVIDE WITH OBD. PRICE 80TB OR APPROVED EQUAL. SEE PLANS FOR SIZE.
EG-1	RETURN GRILLE: 12 X 12 EGGCRATE GRILLE, 1/2" X 1/2" X 1/2" GRID, ALUMINUM CONSTRUCTION, FRAME FOR SURFACE CEILING WHITE ENAMEL FINISH, WITH OBD, MAXIMUM 600 FPM, PRICE 80TB OR APPROVED EQUAL.
AHU-1 THRU AHU-9	AIR HANDLING UNIT: UNIT SHALL CONSIST OF BLOWER, AIR WASHER AND HOT WATER COIL HEATING SECTIONS COMPLETE WITH CONTROLS AND VFD, BLOWER CABINET SHALL BE CONSTRUCTED OF 20 GAUGE GALVANIZED STEEL WITH AN ENAMEL FINISH AND ACCESS DOOR ON EACH SIDE. THE INTERIOR SHALL HAVE A RUST-RESISTANT FINISH. MOTORS SHALL BE HEAVY-DUTY TYPE OF THE DRIP-PROOF DESIGN. THE AIR WASHER COMPARTMENT SHALL HAVE 20 GAUGE CASING WITH AN ENAMEL FINISH AND A RUST-RESISTANT INTERIOR FINISH. COMPLETE WITH EVAP COOLING MEDIA, SPRAY ASSEMBLY, FLOAT VALVE ASSEMBLY, COMBINATION DRAIN AND OVERFLOW, 4" MERV 13 FILTERS, AND HOLDING FRAMES. HEATING SECTION SHALL BE COMPLETELY WEATHERPROOFED, COIL PIPING THROUGH CURB. THE UNIT SHALL BE FACTORY ASSEMBLED, WIRED, AND TESTED, COMPLETE WITH ALL CONTROLS. PROVIDE AUTOMATIC SMOKE DETECTOR SHUTDOWN PER NFPA 90A. UNIT SHALL BE UNITED METAL PRODUCTS, INC. AS INDICATED OR APPROVED EQUAL.
UH-1 AND UH-2	UNIT HEATER: SHALL BE ELECTRIC RESISTANCE CEILING OR WALL MOUNTED, HORIZONTAL UNIT WITH BUILT-IN THERMOSTAT. THE CABINET SHALL BE 20 GAUGE STEEL WITH A FACTORY BAKED ENAMEL FINISH AND INDIVIDUAL ADJUSTABLE LOUVERS FOR DIRECTIONAL AIR FLOW. THE ELECTRICAL HEATING BANK SHALL HAVE METAL SHEATH HEATING ELEMENTS AND AUTOMATIC RESET THERMAL OVERLOAD PROTECTION. MOTOR SHALL BE FULLY ENCLOSED, CONTINUOUS FAN DUTY, SLEEVE BEARING TYPE WITH THERMAL OVERLOAD PROTECTION AND VIBRATION ISOLATION. FAN SHALL BE ALUMINUM, DYNAMICALLY BALANCED WITH GUARD. FURNISH COMPLETE WITH MOUNTING BRACKETS. UNIT SHALL BE REZNOR OR EQUAL.
FC-1	FAN COIL (EVAPORATOR): DUCTLESS, WALL MOUNTED DIRECT EXPANSION REFRIGERATED COOLING. THE UNIT SHALL BE INSULATED HIGH IMPACT POLYSTYRENE, WITH FACTORY SUPPLIED CLEANABLE FILTER AND PROVISIONS FOR HANGING. FANS SHALL BE FORWARD CURVED. MOTORS SHALL BE RESILIENT MOUNTED, THREE-SPEED, THERMAL OVERLOAD PROTECTED, PERMANENT SPLIT CAPACITOR TYPE. COILS SHALL BE COPPER TUBE, ALUMINUM FIN. SYSTEM SHALL BE CONTROLLED WALL MOUNTED THERMOSTAT. PROVIDE DISCONNECT. FACTORY OR FIELD INSTALLED FEATURES/ACCESSORIES SHALL INCLUDE AUTOMATIC FAN SPEED CONTROL, COIL FREEZE PROTECTION, WALL MOUNT KIT, CONDENSATE PUMP AND COOLING ONLY FUNCTION. UNIT BASED ON DAIKIN OR APPROVED EQUAL.
CU-1	AIR CONDITIONING UNIT (CONDENSER): AIR COOLED, HERMETICALLY SEALED RECIPROCATING COMPRESSOR, RESILIENTLY MOUNTED WITH INTERNAL SPRING ISOLATION, COMPLETE WITH TOTALLY ENCLOSED, DIRECT DRIVE FAN MOTOR, ALUMINUM-ALLOY FIN, FACTORY OR FIELD FEATURES/ACCESSORIES SHALL INCLUDE CRANKCASE HEATER, LOW AMBIENT TEMPERATURE CONTROLS, SNOW STAND, AND WIND BAFFLES. UNIT BASED ON DAIKIN OR APPROVED EQUAL.
FTR-1	FINNED TUBE RADIATION (WALL TYPE): HIGH OUTPUT HOT WATER SLOPED TOP FINNED-TUBE RADIATION WALL ASSEMBLY COMPLETE WITH 18GAUGE ZINC COATED STEEL ENCLOSURES, 22 GAUGE CONTINUOUS BACK-PLATES, STEEL BRACKETS, HEATING ELEMENT, END PLATES, HINGED ACCESS DOORS AND ACCESSORIES REQUIRED FOR A COMPLETE, OPERATIONAL ASSEMBLY, 1 ROW IN A 16" HIGH ENCLOSURE. SEE PLANS FOR ELEMENT AND COVER LENGTH. ELEMENT AND COVER CAPABLE OF 600 BTUH PER FOOT WITH 160°F AVERAGE WATER TEMPERATURE AND 65°F ENTERING AIR TEMPERATURE. TUBE HAVING 60 FINS PER LINEAR FOOT OR EQUAL. UNIT BASED ON STERLING VERSA-LINE "KS" STYLE SLIMLINE SLOPE TOP OR APPROVED EQUAL.

HVAC GENERAL NOTES

- ALL RECTANGULAR DUCT SIZES SHOWN ARE INSIDE DIMENSIONS. INSTALL 1" INTERIOR ACOUSTIC LINER IN RECTANGULAR ONLY WHERE NOTED. RECTANGULAR DUCTS SHALL BE EXTERNALLY INSULATED. ROUND DUCTS SHALL BE EXTERNALLY INSULATED, UNLESS OTHERWISE NOTED.
- ALL DUCT SEAMS SHALL BE SEALED AIRTIGHT WITH HIGH PRESSURE DUCT SEALER.
- PROVIDE ALL NECESSARY FITTINGS FOR RISES AND OFFSETS IN DUCTWORK AND PIPING REQUIRED FOR PROPER INSTALLATION WHETHER OR NOT SHOWN ON DRAWINGS.
- ALL DUCTWORK INSTALLED IN AREAS WITH CEILING TO BE ROUTED BETWEEN LIGHTS AS MUCH AS POSSIBLE AND INSTALLED AS HIGH AS POSSIBLE.
- ALL DUCT PENETRATIONS THRU THE ROOF SHALL BE CURBED, FLASHED AND COUNTER-FLASHED TO ACHIEVE A WATERTIGHT CONSTRUCTION.
- COORDINATE ROOF PENETRATIONS TO AND FROM EQUIPMENT WITH STRUCTURAL DRAWINGS. ROOF OPENINGS SHALL BE LOCATED BETWEEN JOISTS.
- INSTALL "SPIN-IN" TYPE FITTINGS WITH BALANCING DAMPERS FOR ROUND BRANCH RUN-OUTS TO DIFFUSER. BRANCH DUCTS TO DIFFUSERS SHALL BE OF EQUAL SIZE TO NECK DIAMETER. ALL BRANCH DUCTS SHALL HAVE BALANCING DAMPERS.
- FLEXIBLE ROUND DUCT BRANCHES TO DIFFUSERS SHALL BE PRE-INSULATED AND SHALL NOT EXCEED 5 FT. IN TOTAL LENGTH.
- COORDINATE THE LOCATIONS OF ALL DUCTWORK WITH ANY PLUMBING LINES AND ELECTRICAL CONDUIT. THE SPACE ABOVE THE CEILING IS LIMITED. IN THE EVENT THAT ANY DUCT CANNOT BE ROUTED AS SHOWN ON THE CONTRACT DRAWINGS, THE CONTRACTOR SHALL MODIFY THE DUCT AS REQUIRED, MAINTAINING THE SAME NET FREE AREA AS THE DESIGNED DUCT. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT, SHOWING THE PROPOSED CHANGES FOR APPROVAL. THIS SHALL BE DONE AT NO COST TO THE OWNER.
- COORDINATE LOCATION OF ALL DIFFUSERS, GRILLES AND REGISTERS TO BE SYMMETRICAL WITH RESPECT TO LIGHTS AND CEILING GRIDS. SEE REFLECTED CEILING PLAN AND LIGHTING PLAN.
- ALL 90-DEG. SQUARE ELBOWS SHALL BE PROVIDED WITH DOUBLE THICK TURNING VANES.
- ALL THERMOSTATS SHALL BE MOUNTED UP 48" ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED. PROVIDE APPROVED, STEEL VENTILATED LOCKING COVERS WITH GUARDS AT ALL THERMOSTATS. UNLESS OTHERWISE DIRECTED.
- ALL FIRE AND/OR SMOKE DAMPERS SHALL BE INSTALLED IN A U.L. APPROVED MANNER AND SHALL BE U.L. LISTED
- PROVIDE ACCESS DOORS IN FIXED CEILINGS. CHASES AND DUCTWORK TO ALL FIRE DAMPERS, BALANCING DAMPERS OR OTHER MECHANICAL DEVICES REQUIRING SERVICE ACCESS.
- BEFORE CONTRACTOR ORDERS ANY GRILLES, REGISTERS OR DIFFUSERS, HE SHALL VERIFY THE CEILING CONSTRUCTION IN ALL AREAS OF THE PROJECT. IF GRILLES, REGISTERS OR DIFFUSERS SPECIFIED ARE NOT COMPATIBLE WITH THE TYPE OF CEILING CONSTRUCTION, THE CONTRACTOR SHALL ORDER PROPER TYPE OF GRILLE, REGISTER OR DIFFUSER TO BE COMPATIBLE WITH THE CEILING.

MECHANICAL SYMBOL LEGEND

ABBR.	SYMBOL	DESCRIPTION
	○	KEYED NOTES
	◻	EQUIPMENT DESIGNATION
(E)	○	EXISTING
(TYP)	○	TYPICAL
CFM		CUBIC FEET PER MINUTE
FCO		FLOOR CLEANOUT
	●	POINT OF CONNECTION
	⊖	THERMOSTAT
DIA	∅	DIAMETER
	20/12	RIGID DUCTWORK
	---	FLEXIBLE DUCTWORK
CD	⊠	CEILING SUPPLY AIR OUTLET
RG	⊠	CEILING RETURN OR EXHAUST AIR INLET
	⊠	SIDEWALL SUPPLY AIR OUTLET
	⊠	SIDEWALL RETURN OR EXHAUST AIR INLET
S/FD	⊠	SMOKE/FIRE DAMPER
	⊠	MANUAL VOLUME DAMPER

TESTUDO ENGINEERING
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 MolzenCorbin.com

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DRAWN BY:	WAY	WAY
CHECKED BY:	PRIME DESIGN PROFESSIONAL	WAYNE A. YEVOLI
PROJECT DATE:	AUGUST 2021	

MECHANICAL GENERAL NOTES, SYMBOL LEGEND & SCHEDULES

SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
 SANTA FE REGIONAL AIRPORT
 121 AVIATION DR. SANTA FE NM 87507

M-601

SHEET

BOILER SYSTEM CONTROL SCHEMATIC

Boiler System Run Conditions:

- The boiler system shall be enabled to run whenever:
 - A definable number of hot water coils need heating.
 - AND outside air temperature is less than 60°F (adj.).

To prevent short cycling, the boiler system shall run for and be off for minimum adjustable times (both user definable), unless shutdown on safeties or outside air conditions.

The boiler shall run subject to its own internal safeties and controls.

The boiler system shall also run for freeze protection whenever the outside air temperature is less than 40°F (adj.).

Boiler B-1 Safeties:

- The following safeties shall be monitored:
 - Boiler alarm.
 - Low water level.

Alarms shall be provided as follows:

- Boiler alarm.
- Low water level alarm.

Boiler B-2 Safeties:

- The following safeties shall be monitored:
 - Boiler alarm.
 - Low water level.

Alarms shall be provided as follows:

- Boiler alarm.
- Low water level alarm.

Hot Water Pump Lead/Stand-by Operation:

The two hot water pumps shall operate in a lead/stand-by fashion.

- The lead pump shall run.
- On failure of the lead pump, the stand-by pump shall run and the lead pump shall turn off.
- The designated lead pump shall rotate upon one of the following conditions (user selectable):
 - manually through a software switch
 - if pump runtime (adj.) is exceeded
 - daily
 - weekly
 - monthly

Alarms shall be provided as follows:

- Hot Water Pump P-1
 - Failure: Commanded on, but the status is off.
 - Running in Hand: Commanded off, but the status is on.
 - Runtime Exceeded: Status runtime exceeds a user definable limit.
 - VFD Fault.

- Hot Water Pump P-2
 - Failure: Commanded on, but the status is off.
 - Running in Hand: Commanded off, but the status is on.
 - Runtime Exceeded: Status runtime exceeds a user definable limit.
 - VFD Fault.

Hot Water Differential Pressure Control:

The controller shall measure hot water differential pressure and modulate the hot water pump VFDs to maintain its hot water differential pressure setpoint.

The following setpoints are recommended values. All setpoints shall be field adjusted during the commissioning period to meet the requirements of actual field conditions.

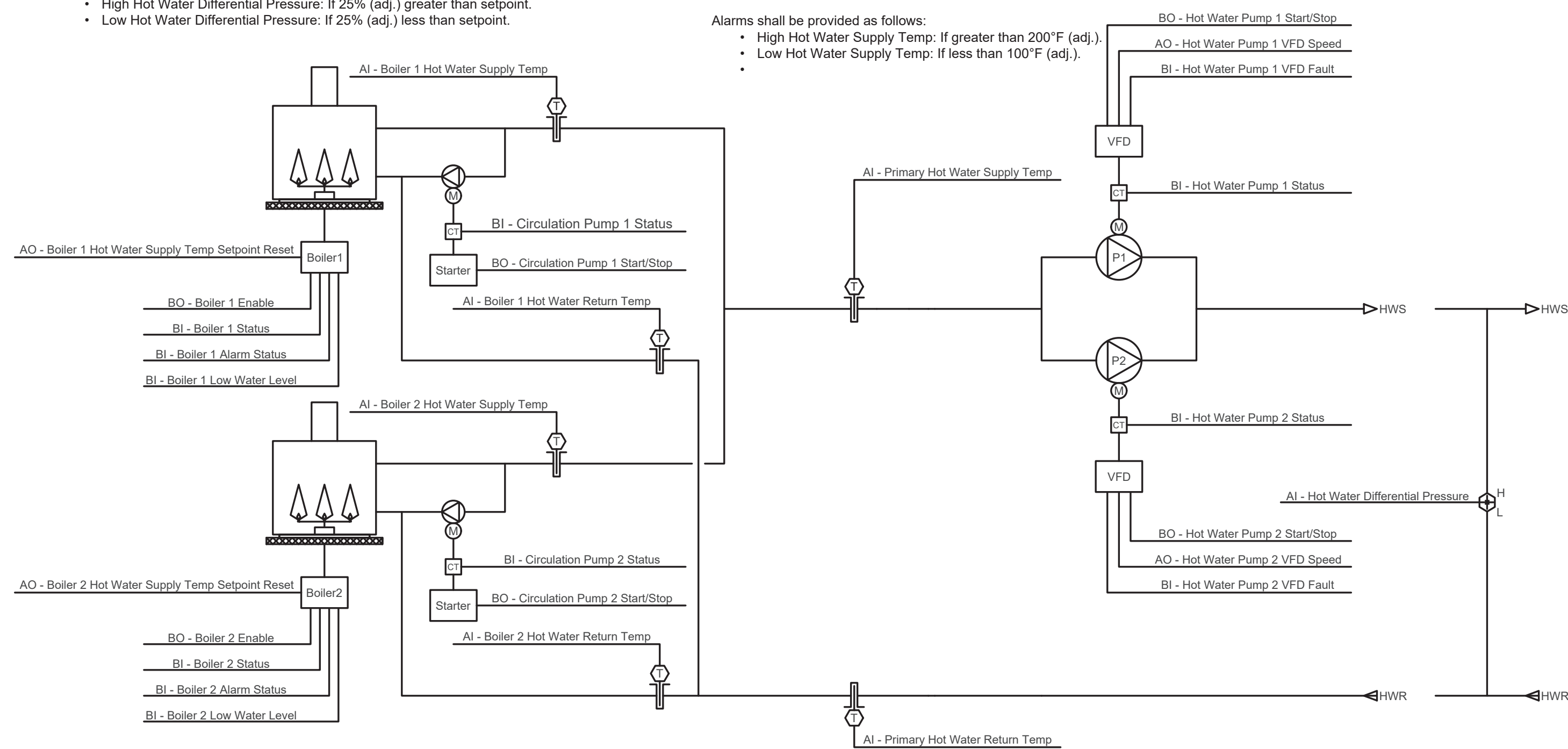
The controller shall modulate hot water pump speed to maintain a hot water differential pressure of 12lb/in² (adj.). The VFDs minimum speed shall not drop below 20% (adj.).

- On dropping hot water differential pressure, the VFDs shall stage on and run to maintain setpoint as follows:
 - The controller shall modulate the lead VFD to maintain setpoint.
 - if the lead VFD speed is greater than a setpoint of 90% (adj.), the lag VFD shall stage on.
 - The lag VFD shall ramp up to match the lead VFD speed and then run in unison with the lead VFD to maintain setpoint.

- On rising hot water differential pressure, the VFDs shall stage off as follows:
 - If the VFDs speeds drops back to 60% (adj.) below setpoint, the lag VFD shall stage off.
 - The lead VFD shall continue to run to maintain setpoint.

Alarms shall be provided as follows:

- High Hot Water Differential Pressure: If 25% (adj.) greater than setpoint.
- Low Hot Water Differential Pressure: If 25% (adj.) less than setpoint.



BOILER SYSTEM CONTROL SCHEMATIC

SCALE: NTS

FAN COIL SPLIT UNIT (FCU-1/CU-1)

Run Conditions - Scheduled:

- The unit shall run according to a user definable time schedule in the following modes:
 - Occupied Mode: The unit shall maintain
 - A 70°F (adj.) cooling setpoint
 - Unoccupied Mode (night setback): The unit shall maintain
 - A 85°F (adj.) cooling setpoint.

Alarms shall be provided as follows:

- High Zone Temp: If the zone temperature is greater than the cooling setpoint by a user definable amount (adj.).
- Low Zone Temp: If the zone temperature is less than the heating setpoint by a user definable amount (adj.).

Zone Setpoint Adjust:

The occupant shall be able to adjust the zone temperature cooling setpoints at the zone sensor.

Zone Unoccupied Override:

A timed local override control shall allow an occupant to override the schedule and place the unit into an occupied mode for an adjustable period of time. At the expiration of this time, control of the unit shall automatically return to the schedule.

Emergency Shutdown:

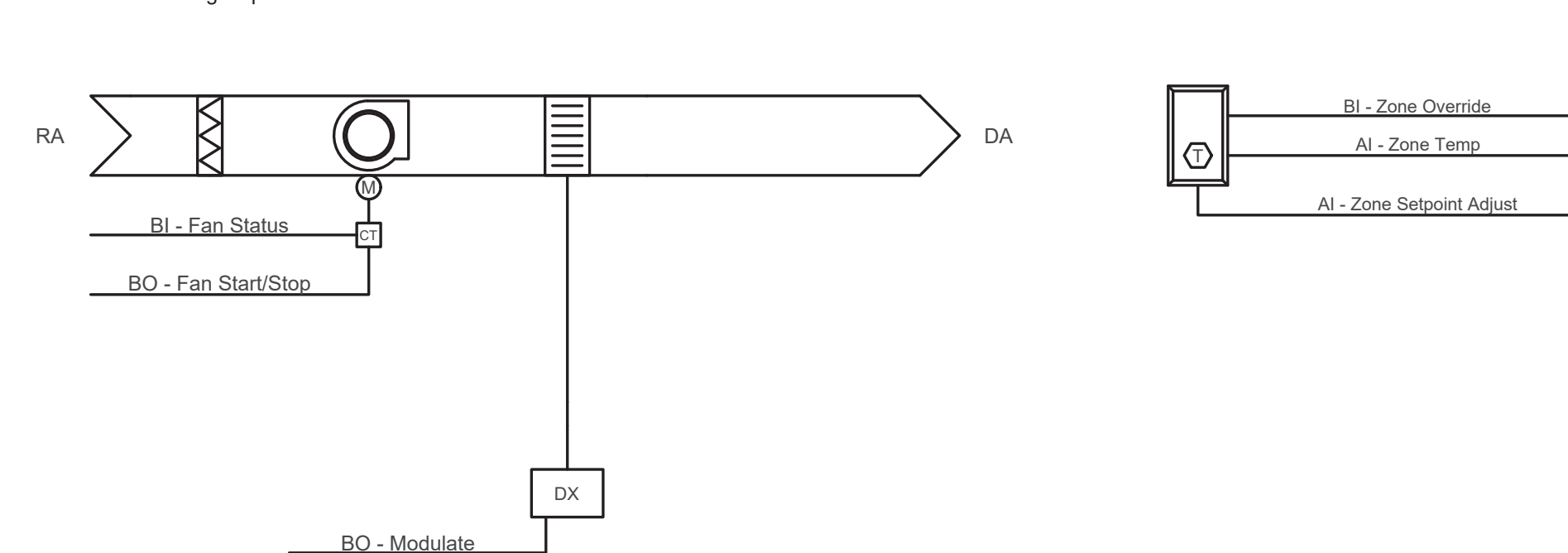
The unit shall shut down and generate an alarm upon receiving an emergency shutdown signal.

Fan:

The fan shall run anytime the unit is commanded to run, unless shutdown on safeties.

Cooling Stages:

The controller shall measure the zone temperature and modulate the cooling to maintain its cooling setpoint.



FAN COIL SPLIT SYSTEM CONTROL SCHEMATIC

SCALE: NTS

UNIT HEATER (UH-1 AND UH-2)

Run Conditions - Scheduled:

- The unit shall run according to a user definable time schedule in the following modes:
 - Occupied Mode: The unit shall maintain a heating setpoint of 70°F (adj.).
 - Unoccupied Mode (night setback): The unit shall maintain a heating setpoint of 65°F (adj.).

Alarms shall be provided as follows:

- Low Zone Temp: If the zone temperature is less than the heating setpoint by a user definable amount (adj.).

Zone Setpoint Adjust:

The occupant shall be able to adjust the zone temperature heating and cooling setpoints at the zone sensor.

Fan:

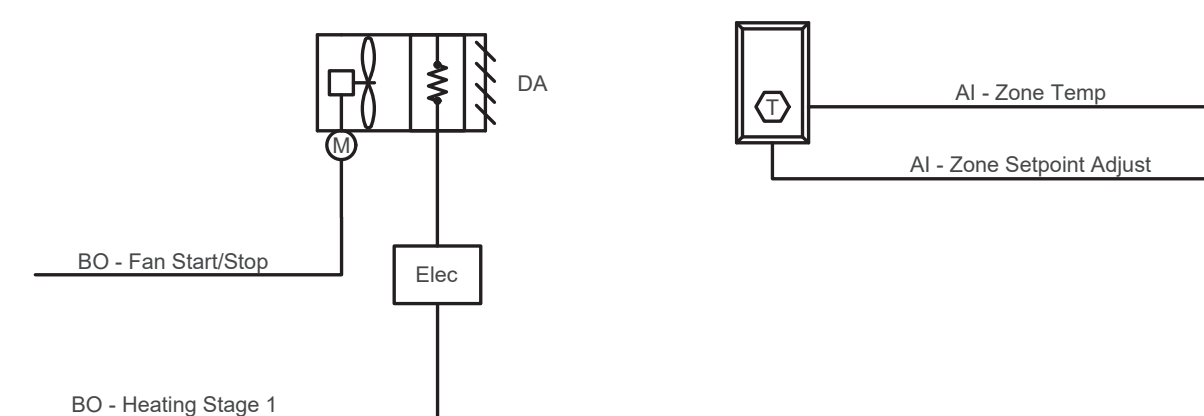
The fan shall run anytime the zone temperature drops below heating setpoint, unless shutdown on safeties.

Electric Heating Stage:

The controller shall measure the zone temperature and stage the heating to maintain its heating setpoint. To prevent short cycling, the stage shall have a user definable (adj.) minimum runtime.

The heating shall be enabled whenever:

- Outside air temperature is less than 65°F (adj.).
- AND the zone temperature is below heating setpoint.
- AND the fan is on.



UNIT HEATER CONTROL SCHEMATIC

SCALE: NTS

OUTSIDE AIR CONDITIONS

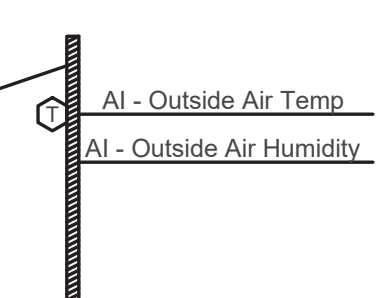
The controller shall monitor the outside air temperature and humidity and calculate the outside air enthalpy on a continual basis. These values shall be made available to the system at all times.

Alarm shall be generated as follows:

- Sensor Failure: Sensor reading indicates shorted or disconnected sensor. In the event of a sensor failure, an alternate outside air conditions sensor shall be made available to the system without interruption in sensor readings.
- If an OA Temp Sensor cannot be read, a default value of 65°F will be used.
- If an OA Humidity Sensor cannot be read, a default value of 50% will be used.

Outside Air Temperature History:

The controller shall monitor and record the high and low temperature readings for the outside air. These readings shall be recorded on a daily, month-to-date, and year-to-date basis.



OUTSIDE AIR TEMPERATURE SENSOR CONTROL SCHEMATIC

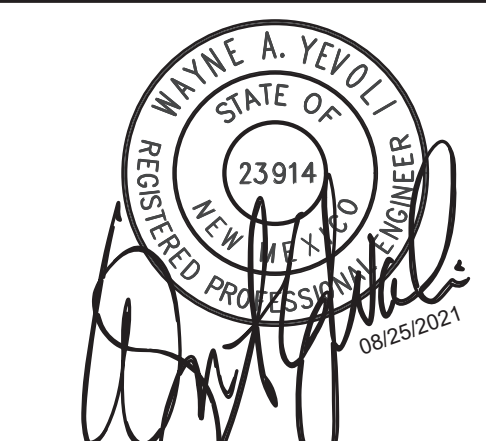
SCALE: NTS

MOLZENCORBIN

2701 Miles Road SE
Albuquerque, New Mexico 87106
505 242 5700 office
505 242 0673 fax
MolzenCorbin.com

NOTICE OF EXTENDED PAYMENT PROVISION:
THIS CONTRACT ALLOWS THE OWNER TO MAKE
PAYMENT WITHIN 45 DAYS AFTER SUBMISSION
OF AN UNDISPUTED REQUEST FOR PAYMENT

NUMERIC SCALE CONFIRMATION
DRAWINGS ARE DEPICTED AT INTENDED
NUMERIC SCALES
IF THIS BAR EQUALS ONE INCH



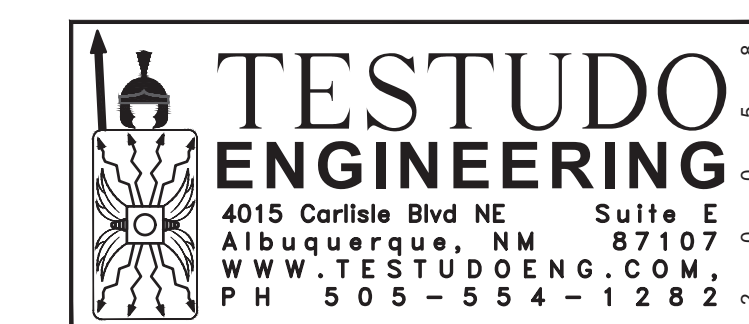
REV NO	REV DATE	DESCRIPTION

PROJECT NUMBER: SAF182-13B MO WAY
DESIGNED BY: MO WAY
DRAWN BY: MO WAY
CHECKED BY: PRIME DESIGN PROFESSIONAL WAYNE A. YEVOLI
PROJECT DATE: AUGUST 2021

MECHANICAL CONTROLS

 SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
 SANTA FE REGIONAL AIRPORT
 121 AVIATION DR. SANTA FE NM 87507

M-701
SHEET



MOLZENCORBIN

2701 Miles Road SE
 Albuquerque, New Mexico 87106
 505 242 5700 office
 505 242 0673 fax
 MolzenCorbin.com

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REV NO	REV DATE	DESCRIPTION

PROJECT NUMBER:	SAF182-13B	MO	MO
DESIGNED BY:		WAY	
DRAWN BY:			
CHECKED BY:			
PRIME DESIGN PROFESSIONAL:	WAYNE A. YEVOLI		
PROJECT DATE:	AUGUST 2021		

MECHANICAL CONTROLS
SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
SANTA FE REGIONAL AIRPORT
121 AVIATION DR. SANTA FE NM 87507

M-702
 SHEET

AHU-1 THRU AHU-9 CONTROL SCHEMATIC

Run Conditions - Requested:
 The unit shall run whenever:
 • Zone is occupied.
 • OR unoccupied heating or cooling is needed.

Emergency Shutdown:
 The unit shall shut down and generate an alarm upon receiving an emergency shutdown signal.

Freeze Protection:
 The unit shall shut down and generate an alarm upon receiving a freeze status.

Supply Air Smoke Detection:
 The unit shall shut down and generate an alarm upon receiving a supply air smoke detector status.

Supply Fan:
 The supply fan shall run anytime the unit is commanded to run, unless shutdown on safeties. To prevent short cycling, the supply fan shall have a user definable (adj.) minimum runtime.

Alarms shall be provided as follows:
 • Supply Fan Failure: Commanded on, but the status is off.
 • Supply Fan in Hand: Commanded off, but the status is on.
 • Supply Fan Runtime Exceeded: Status runtime exceeds a user definable limit (adj.).

Supply Air Control:
 In cooling the supply fan VFD speed up to maintain high speed setpoint (constant volume) and in heating the supply fan VFD shall maintain low speed setpoint (constant volume).

Alarms shall be provided as follows:
 • Supply Fan VFD Fault.

Supply Air Temperature Setpoint - Fixed:
 The controller shall monitor the supply air temperature and shall maintain fixed supply air temperature setpoints as follows:
 • Cooling: The setpoint shall be 60°F (adj.).
 • Heating: The setpoint shall be 72°F (adj.).

Direct Evaporative Cooling Section:
 The controller shall measure the zone temperature and stage on the spray pump on rising temperature to maintain its cooling setpoint. The supply fan shall run for a user definable time (adj.) after the spray pump is disabled on unit shutdown in order to dry out the evaporative media.

The evaporative cooling shall be enabled whenever:
 • Outside air temperature is greater than 60°F (adj.).
 • AND the zone temperature is above cooling setpoint.
 • AND the supply fan status is on.

Sump Control:
 The controller shall drain and fill the sump as follows:
 • Freeze Protection
 If the outside air temperature drops below 40°F (adj.), the evaporative cooler sump shall open the drain valve and close the fill valve. If the outside air temperature rises back above 55°F (adj.), the controller shall activate the fill valve and close the drain valve.
 • Scheduled Flush and Fill
 A flush cycle shall occur every 48hr (adj.) at a user definable time (adj.) of day. At this time, the spray pump shall stop, the fill valve shall close, and the drain valve shall open for 600sec (adj.). After the cycle time is complete, the drain valve shall close, the fill valve shall open, and the spray pump shall be enabled.

Alarms shall be provided as follows:
 • Spray Pump Failure: Commanded on, but the status is off.
 • Spray Pump in Hand: Commanded off, but the status is on.
 • Spray Pump Runtime Exceeded: Status runtime exceeds a user definable limit (adj.).

Heating Coil Valve:
 The controller shall measure the supply air temperature and modulate the heating coil valve to maintain its heating setpoint.

The heating shall be enabled whenever:
 • Outside air temperature is less than 60°F (adj.).
 • AND the supply fan status is on.
 • AND the cooling is not active.

The heating coil valve shall open whenever:
 • Supply air temperature drops from 40°F to 35°F (adj.).
 • OR the freeze status is on.

Alarms shall be provided as follows:
 • Low Supply Air Temp: If the supply air temperature is 5°F (adj.) less than setpoint.

Economizer:
 The controller shall measure the mixed air temperature and modulate the economizer dampers in sequence to maintain a setpoint 2°F (adj.) less than the supply air temperature setpoint. The outside air dampers shall maintain a minimum adjustable position of 20% (adj.) open whenever occupied.

The economizer shall be enabled whenever:
 • Outside air temperature is less than 65°F (adj.).
 • AND the outside air temperature is less than the return air temperature.
 • AND the supply fan status is on.

The economizer shall close whenever:
 • Mixed air temperature drops from 40°F to 35°F (adj.).
 • OR the freeze status is on.
 • OR on loss of supply fan status.

The outside and exhaust air dampers shall close, and the return air damper shall open when the unit is off. If Optimal Start Up is available, the mixed air damper shall operate as described in the occupied mode except that the outside air damper shall modulate to fully closed.

Minimum Outside Air Ventilation - Fixed Percentage:
 The outside air dampers shall maintain a minimum adjustable position during building occupied hours and be closed during unoccupied hours.

Prefilter Differential Pressure Monitor:
 The controller shall monitor the differential pressure across the prefilter.

Alarms shall be provided as follows:
 • Prefilter Change Required: Prefilter differential pressure exceeds a user definable limit (adj.).

Mixed Air Temperature:
 The controller shall monitor the mixed air temperature and use as required for economizer control.

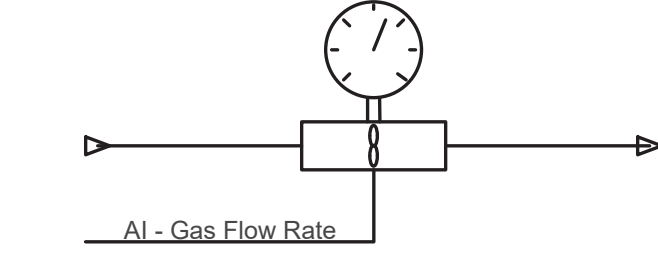
Alarms shall be provided as follows:
 • High Mixed Air Temp: If the mixed air temperature is greater than 90°F (adj.).
 • Low Mixed Air Temp: If the mixed air temperature is less than 45°F (adj.).

Return Air Temperature:
 The controller shall monitor the return air temperature and use as required for setpoint control or economizer control.

Alarms shall be provided as follows:
 • High Return Air Temp: If the return air temperature is greater than 90°F (adj.).
 • Low Return Air Temp: If the return air temperature is less than 45°F (adj.).

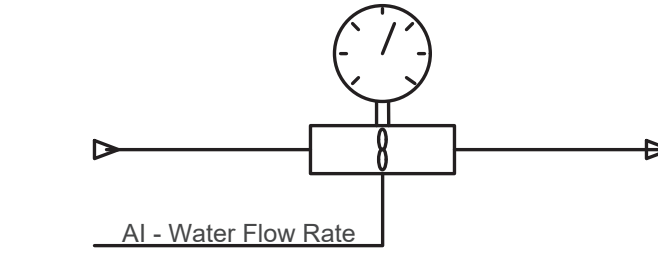
Supply Air Temperature:
 The controller shall monitor the supply air temperature.

Alarms shall be provided as follows:
 • High Supply Air Temp: If the supply air temperature is greater than 100°F (adj.).
 • Low Supply Air Temp: If the supply air temperature is less than 45°F (adj.).



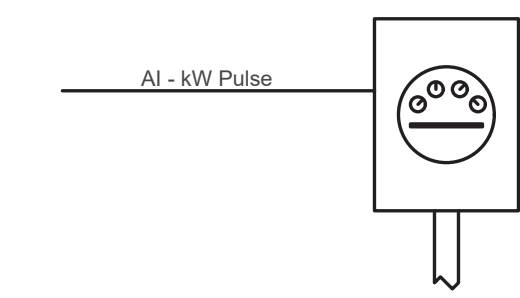
GAS METER CONTROL SCHEMATIC

SCALE: NTS



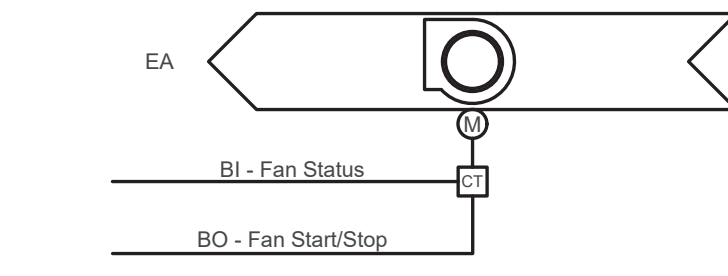
WATER METER CONTROL SCHEMATIC

SCALE: NTS



ELECTRIC METER CONTROL SCHEMATIC

SCALE: NTS



TYPICAL EXHAUST FAN CONTROL SCHEMATIC

SCALE: NTS

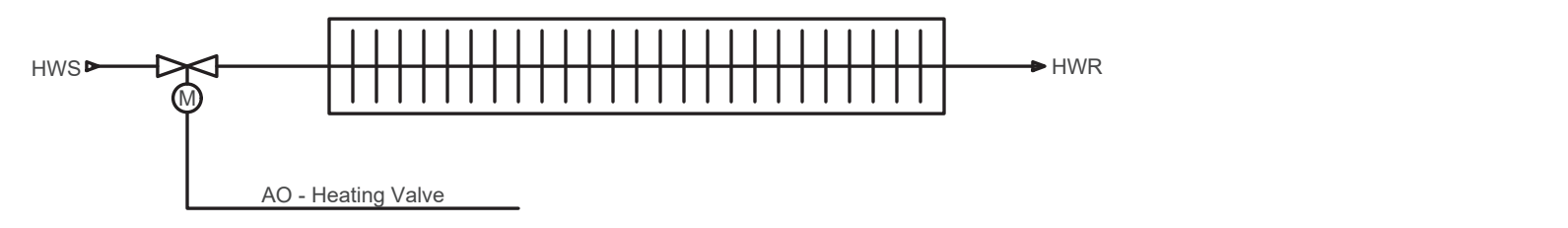
CONVECTIVE / FIN TUBE HEATER (TYPICAL FOR FTR's AND RHP's)

Run Conditions - Scheduled:
 The unit shall run according to a user definable time schedule in the following modes:
 • Occupied Mode: The unit shall maintain a heating setpoint of 70°F (adj.).
 • Unoccupied Mode (night setback): The unit shall maintain a heating setpoint of 65°F (adj.).

Alarms shall be provided as follows:
 • Low Zone Temp: If the zone temperature is less than the heating setpoint by a user definable amount (adj.).

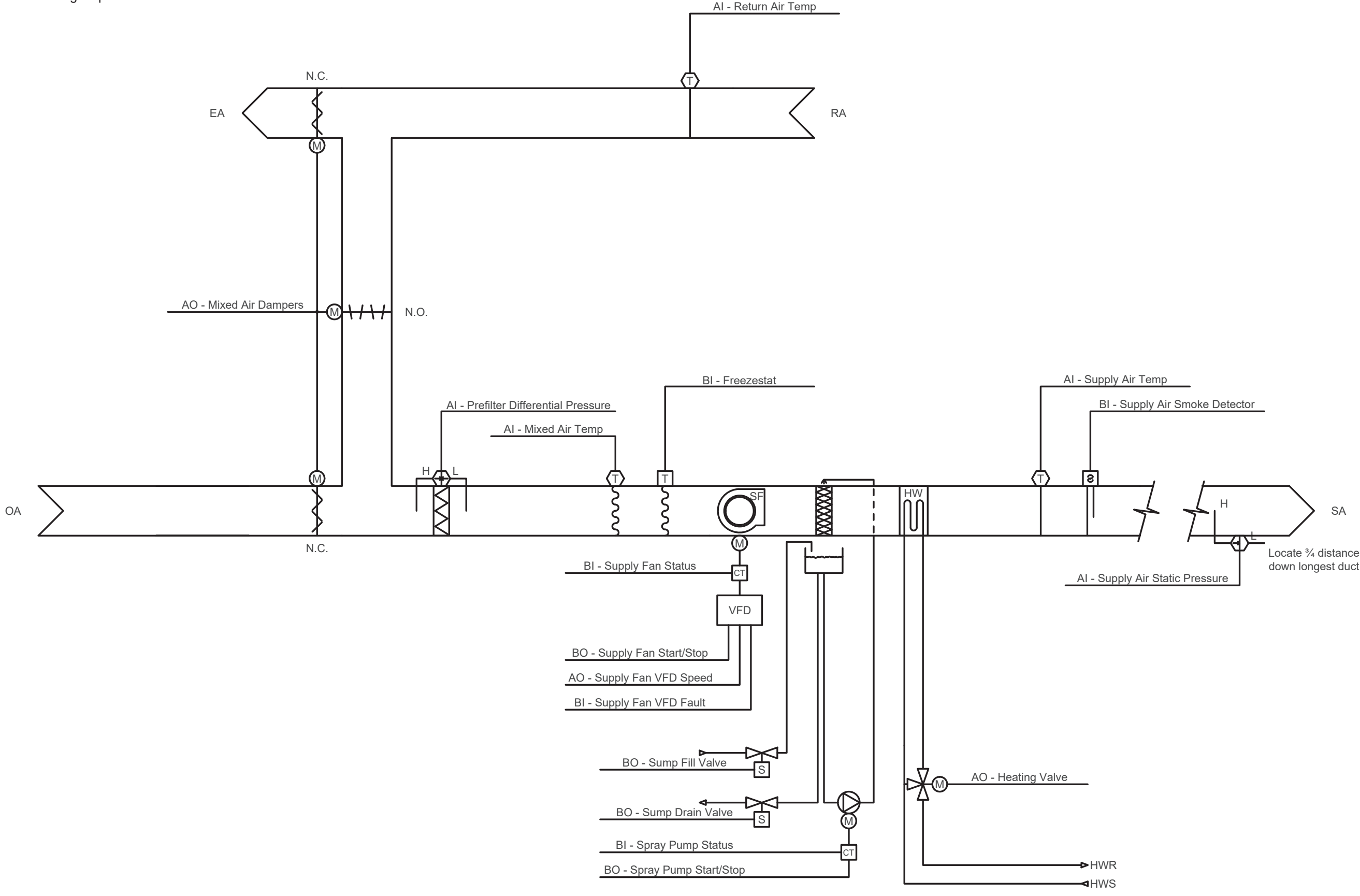
Heating Coil Valve:
 The controller shall measure the zone temperature and modulate the heating coil valve to maintain its heating setpoint.

The heating shall be enabled whenever:
 • Outside air temperature is less than 65°F (adj.).
 • AND the zone temperature is below heating setpoint.



TYPICAL HYDRONIC RADIATION CONTROL SCHEMATIC

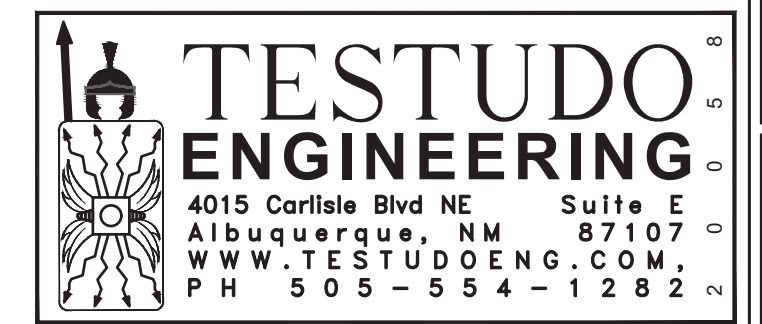
SCALE: NTS



AHU-1 THRU AHU-9 CONTROL SCHEMATIC

SCALE: NTS

DATE: 8/25/2021 4:58 PM
 SAVE DATE: 8/25/2021 4:48 PM
 PLT PROJECTS: 2020\0008 SF REGIONAL AIRPORT CAD\DWG\MOLZENCORBIN_M-702



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NUMERIC SCALE CONFIRMATION
DRAWINGS ARE DEPICTED AT INTENDED
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- A1 □ LIGHTING CONTACTOR/
LIGHTING CONTROL PANEL
- A1 ○ LOCAL PANEL 1/LOCAL
CONTROL STATION 1
- A1 ▽ LOCAL PANEL 2/LOCAL
CONTROL STATION 2
- A1 ⊗ DEVICE TERMINAL (RELAY)
- A1 ⊗ PACKAGED CONTROLS
- A1 □ PLC (PROGRAMMABLE LOGIC CONTRL.)
/ PCU (PROCESS CONTROL UNIT)
- A1 □ IRP INTERPOSING RELAY PANEL
- A1 ⊗ AFD INTERPOSING RELAY PANEL
- A1 ⊗ RTB (REMOTE TERMINAL BOX)/ ICP
INTEGRATED CONTROL PANEL
- A1 ⊗ ANALOG INSTRUMENT TRANSMITTER
- A1 ○ ANALOG INSTRUMENT ELEMENT

ABBREVIATIONS

- AFF ABOVE FINISHED FLOOR
- ATS AUTO TRANSFER SWITCH
- BFG BELOW FINISHED GRADE
- CAT5 CATEGORY 5
- CP CONTROL PANEL
- CX COAX
- DS DISCONNECT SWITCH
- EMP EMPLOYEE PARKING
- EV ELECTRIC VEHICLE
- GB GROUND BAR
- HS HAND SWITCH
- IRP INTERPOSING RELAY PANEL
- JB JUNCTION BOX
- MDP MAIN DISTRIBUTION PANEL
- MCC MOTOR CONTROL CENTER
- MSB MAIN SWITCHBOARD
- PB PULL BOX
- PLC PROGRAMMABLE LOGIC CONTROLLER
- PP POWER PEDESTAL
- SHRT SHORT TERM PARKING
- SPD SURGE PROTECTIVE DEVICE
- TWSH TWISTED SHIELDED
- UC UNDER COUNTER
- WP WEATHERPROOF

NOTE: NOT ALL SYMBOLS
USED ON PLANS

ELECTRICAL LEGEND

PARKING LOT RECONSTRUCTION
SANTA FE REGIONAL AIRPORT (SAF)
SANTA FE, NEW MEXICO

SAFETY DATE: 8/22/2021 11:50 AM
SAFETY DATE: 8/22/2021 10:58 AM
13\SANTA FE\SAF\82-14 PARKING LOT\EMR\ESP-001

PLAN DRAWINGS	CIRCUITING	ONE-LINE DIAGRAMS	SCHEMATICS	SCHEMATICS
<p>LPA-5 SINGLE RECEPTACLE LPA-5 - INDICATES CKT. (TYP)</p> <p>LPA-5 EP DUPLEX RECEPTACLE EP - EXPLOSIONPROOF GFI - GRD FAULT INTERRUPTER WP - WEATHERPROOF</p> <p>LPA-5 SPLIT DUPLEX RECEPTACLE</p> <p>LPA-5 DOUBLE DUPLEX RECEPTACLE</p> <p>LPA-5 250V RECEPTACLE</p> <p>PP1-2 SPECIAL RECEPTACLE</p> <p>LPA-5 FLOOR RECEPTACLE</p> <p>PLUGMOLD</p> <p>WIREMOLD</p> <p>JUNCTION BOX ON CEILING</p> <p>JUNCTION BOX ON WALL</p> <p>60A 40AF DISCONNECT SWITCH 60A - INDICATES SWITCH SIZE 40AF - INDICATES FUSE SIZE</p> <p>LP-A PANEL DESIGNATION: LP- LIGHTING PANEL PP- POWER PANEL MS- MOTOR STARTER FOLLOWED BY: NUMBER - UNDER 250V LETTER - OVER 250V</p> <p>TRANSFORMER</p> <p>HP SINGLE PHASE MOTOR</p> <p>HP THREE PHASE MOTOR</p> <p>THERMOSTAT</p> <p>\$T MANUAL TIMER</p> <p>HOA PUSHBUTTON HOA - HAND/OFF/AUTO S/S - START/STOP</p> <p>UH UNIT HEATER</p> <p>GROUND ROD</p> <p>G GROUND CONDUCTOR</p> <p>M MOTORIZED VALVE ACTUATOR</p> <p>CONCEALED CONDUIT</p> <p>EXPOSED CONDUIT</p> <p>WALL DATA PORT</p> <p>CEILING DATA PORT</p> <p>FLOOR DATA PORT</p> <p>WIFI ROUTER</p> <p>CARD READER</p>	<p>PHASE CONDUCTOR</p> <p>NEUTRAL CONDUCTOR</p> <p>SWITCHED CONDUCTOR</p> <p>GROUNDING CONDUCTOR</p> <p>HOMERUN INDICATION</p> <p>CONTROL CONDUCTOR 4 - INDICATES # OF COND.</p> <p>SHIELDED PAIR 4 - INDICATES # OF PAIRS</p> <p>MANUFACTURER SUPPLIED</p> <p>LED CEILING FIXTURE-8"x4' TYP. { A FIXTURE TYPE a SWITCH DESIGNATION</p> <p>LED CEILING FIXTURE-2'x2' TYP. { A FIXTURE TYPE a SWITCH DESIGNATION</p> <p>LED CEILING FIXTURE-8" DOWNLIGHT TYP. { CC FIXTURE TYPE a SWITCH DESIGNATION</p> <p>INCANDESCENT CEILING FIXTURE</p> <p>INCANDESCENT WALL FIXTURE</p> <p>POLE MOUNTED FIXTURE</p> <p>BATTERY POWERED EMERGENCY LIGHT</p> <p>CEILING MOUNTED EXIT LIGHT ARROW INDICATES DIRECTION</p> <p>WALL MOUNTED EXIT LIGHT ARROW INDICATES DIRECTION</p> <p>PHOTOELECTRIC CELL</p> <p>\$P SWITCH P INDICATES: 2 - DOUBLE POLE 3 - THREE WAY 4 - FOUR WAY a - SWITCH DESIGNATION D - AUTO DOOR SWITCH K - KEY OPERATED P - SWITCH & PILOT MC - MOMENTARY CONTACT RC - REMOTE CONTROL WP - WEATHERPROOF WF - WEATHERPROOF FUSED</p>	<p>100A MCP MOTOR CIRCUIT PROTECTOR 60AT COMBINATION STARTER 100A MCP - CONTINUOUS RATING 60AT - TRIP RATING 2 - NEMA STARTER SIZE</p> <p>PANEL DESIGNATION: LP- LIGHTING PANEL PP- POWER PANEL FOLLOWED BY: NUMBER - UNDER 250V LETTER - OVER 250V</p> <p>PANEL BREAKER 1 & 2 INDICATE CIRCUIT NUMBER 15 & 20 INDICATE AMPERAGE</p> <p>240V TRANSFORMER 50KVA 240V - PRIMARY VOLTG. 50KVA - RATING 120V 120V - SECONDARY VOLTG.</p> <p>3φ GROUNDED WYE</p> <p>3φ UNGROUNDED DELTA</p> <p>3φ DELTA 3 WIRE GROUND</p> <p>3φ DELTA 4 WIRE GROUND</p> <p>300:5 CURRENT TRANSFORMER (2) 300:5 - INDICATES CT RATIO (2) - INDICATES QUANTITY</p> <p>480V 120V FUSED POTENTIAL TRANSFORMER (2) 480V - PRIMARY VOLTG. 120V - SECONDARY VOLTG. (2) INDICATES QUANTITY</p> <p>GROUND</p> <p>SURGE ARRESTER</p> <p>DOUBLE THROW DISCONNECT</p> <p>60A 3P SINGLE THROW DISCONNECT 60A - AMPERAGE RATING 3P - NUMBER OF POLES</p> <p>DRAWOUT FUSE 600A</p> <p>100A 3P CIRCUIT BREAKER 100A - TRIP RATING 3P - NUMBER OF POLES</p> <p>STARTER FVR 2 FV2S - FULL VOLTAGE 2 SPEED FVR - FULL VOLTAGE REVERSING FVNR - FULL VOLTAGE NON- REVERSING</p> <p>REDUCED VOLTAGE STARTER OR SOFT START STARTER 2 - NEMA STARTER SIZE</p> <p>ADJUSTABLE FREQUENCY DRIVE 2 - NEMA STARTER SIZE</p> <p>AUTOTRANSFORMER</p> <p>CAPACITOR</p> <p>THERMAL OVERLOAD</p> <p>TRANSIENT SUPPRESSOR</p>	<p>TRANSFORMER 120VAC 120VAC - PRIMARY VOLTG. 150KVA 150KVA - RATING 24VAC 24VAC - SECONDARY VOLTG. Z = 5%</p> <p>GROUND</p> <p>FUSE (SIZE AS SHOWN)</p> <p>MOTOR CONTROL CENTER TERMINAL BLOCK</p> <p>SELECTOR SWITCH H O A } INDICATES SWITCH POSITION</p> <p>X = CONTACT CLOSED</p> <p>START START PUSHBUTTON ICP ICP - INDICATES LOCATION</p> <p>STOP STOP PUSHBUTTON ICP ICP - INDICATES LOCATION</p> <p>STOP L/O LOCKOUT STOP PUSHBUTTON F F - INDICATES LOCATION</p> <p>SHIELD</p> <p>CABLE IDENTIFIER</p> <p>CONDUIT IDENTIFIER</p> <p>AUXILIARY CONTACT OF DISCONNECT SWITCH a - CONTACT FOLLOWS SWITCH ACTION b - CONTACT OPPOSITE SWITCH ACTION</p> <p>AUXILIARY CONTACT OF SAFETY SWITCH</p> <p>OPEN FLOW SWITCH</p> <p>CLOSED FLOW SWITCH</p> <p>MANUAL STARTER F F - INDICATES LOCATION</p> <p>HORN ICP ICP - INDICATES LOCATION</p> <p>THREE POLE OVERLOAD</p>	<p>ABBREVIATIONS</p>

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 505 242 0673 fax
 MolzenCorbin.com

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REV. NO.	REV. DATE	DESCRIPTION
PROJECT NUMBER:	SAF182-14	DG
DESIGNED BY:		AR
DRAWN BY:		DG
CHECKED BY:		DG
PRIME DESIGN PROFESSIONAL:	KENT FREIER	
PROJECT DATE:	AUGUST, 2021	

ELECTRICAL SITE SHEET REFERENCE

PARKING LOT RECONSTRUCTION
 SANTA FE REGIONAL AIRPORT (SAF)
 SANTA FE, NEW MEXICO

E-002

SHEET

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SAF182-14 E-002 11/20/2021 11:50 AM
 SAVF DATE: 8/22/2021 10:59 AM
 I:\SANTA FE\SAF182-14 PARKING LOT\REVISED\ESP-002

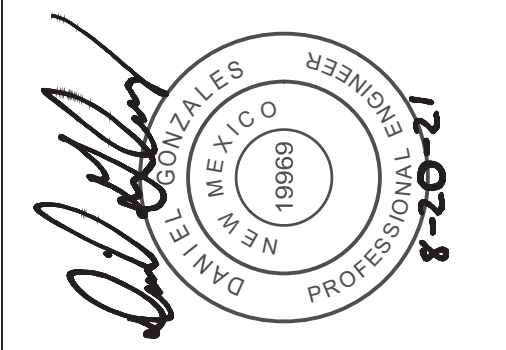


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PROJECT NUMBER:	SAF182-14	DG
DESIGNED BY:	AR	DG
DRAWN BY:	AR	DG
CHECKED BY:	KENT FREIER	DG
PRIME DESIGN PROFESSIONAL:	KENT FREIER	
PROJECT DATE:	AUGUST, 2021	

PNM SERVICE RELOCATION
 EXISTING ELECTRICAL SERVICES AND
 PROPOSED NEW ELECTRICAL SERVICE

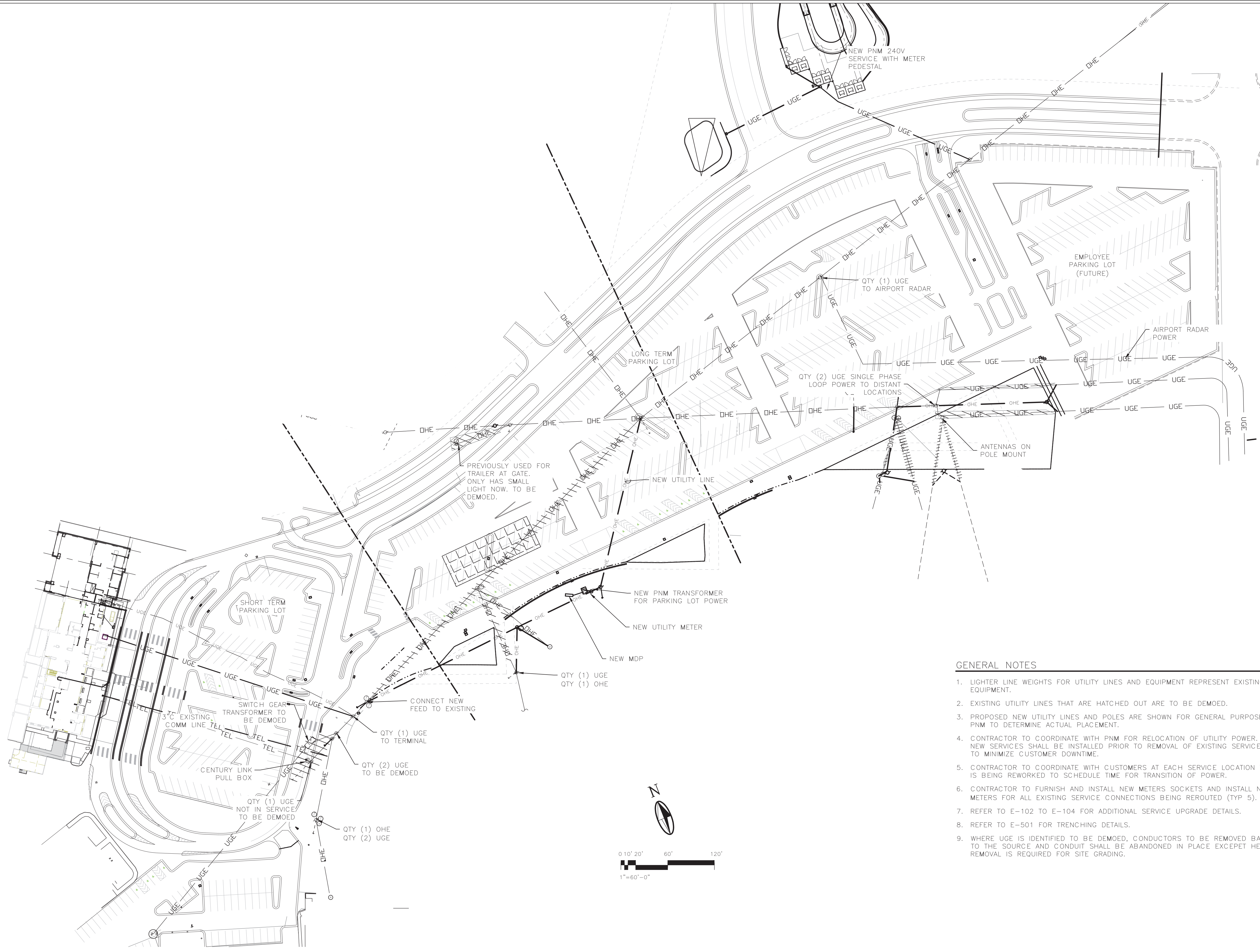
PARKING LOT RECONSTRUCTION
 SANTA FE REGIONAL AIRPORT (SAF)
 SANTA FE, NEW MEXICO

E-002

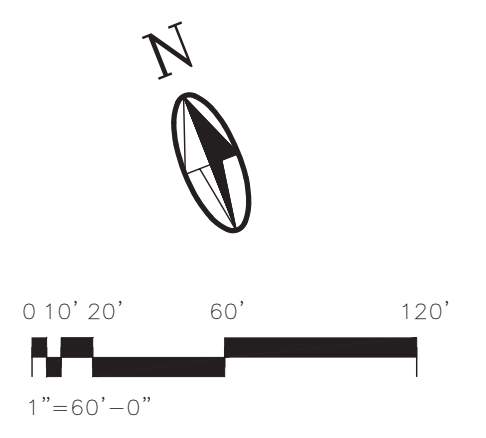
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 I:\SANTA FE\SAF182-14 PARKING LOT\EMERSON\101



- GENERAL NOTES**
1. LIGHTER LINE WEIGHTS FOR UTILITY LINES AND EQUIPMENT REPRESENT EXISTING EQUIPMENT.
 2. EXISTING UTILITY LINES THAT ARE HATCHED OUT ARE TO BE DEMOED.
 3. PROPOSED NEW UTILITY LINES AND POLES ARE SHOWN FOR GENERAL PURPOSE. PNM TO DETERMINE ACTUAL PLACEMENT.
 4. CONTRACTOR TO COORDINATE WITH PNM FOR RELOCATION OF UTILITY POWER. NEW SERVICES SHALL BE INSTALLED PRIOR TO REMOVAL OF EXISTING SERVICES TO MINIMIZE CUSTOMER DOWNTIME.
 5. CONTRACTOR TO COORDINATE WITH CUSTOMERS AT EACH SERVICE LOCATION THAT IS BEING REWORKED TO SCHEDULE TIME FOR TRANSITION OF POWER.
 6. CONTRACTOR TO FURNISH AND INSTALL NEW METERS SOCKETS AND INSTALL NEW METERS FOR ALL EXISTING SERVICE CONNECTIONS BEING REROUTED (TYP 5).
 7. REFER TO E-102 TO E-104 FOR ADDITIONAL SERVICE UPGRADE DETAILS.
 8. REFER TO E-501 FOR TRENCHING DETAILS.
 9. WHERE UGE IS IDENTIFIED TO BE DEMOED, CONDUCTORS TO BE REMOVED BACK TO THE SOURCE AND CONDUIT SHALL BE ABANDONED IN PLACE EXCEPT HERE REMOVAL IS REQUIRED FOR SITE GRADING.



MOLZENCORBIN

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 Albuquerque, New Mexico 87106
 505 242 5700 office
 505 242 0673 fax
 MolzenCorbin.com

NOTICE OF EXTENDED PAYMENT PROVISION:
 THIS CONTRACT ALLOWS THE OWNER TO MAKE
 PAYMENT WITHIN 45 DAYS AFTER SUBMISSION
 OF AN UNDISPUTED REQUEST FOR PAYMENT

NUMERIC SCALE CONFIRMATION
 DRAWINGS ARE DEPICTED AT INTENDED
 NUMERIC SCALES
 IF THIS BAR EQUALS ONE INCH



REV. NO.	REV. DATE	DESCRIPTION
PROJECT NUMBER:	SAF182-14	
DESIGNED BY:		DG
DRAWN BY:		AR
CHECKED BY:		DG
PRIME DESIGN PROFESSIONAL:		KENT FREIER
PROJECT DATE:		AUGUST, 2021

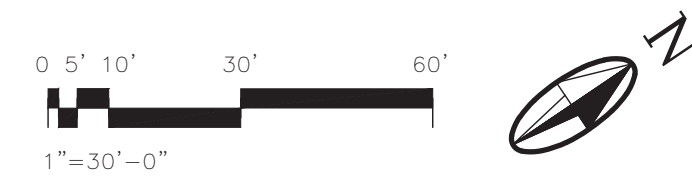
**PNM SERVICE RELOCATION
 EXISTING ELECTRICAL SERVICES AND
 NEW ELECTRICAL SERVICE SITE LAYOUT - SECTION 1**

**PARKING LOT RECONSTRUCTION
 SANTA FE REGIONAL AIRPORT (SAF)
 SANTA FE, NEW MEXICO**

E-102

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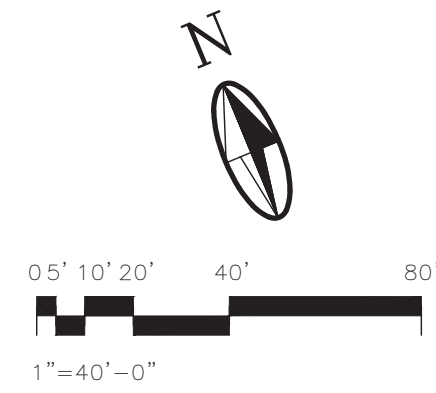
KEYED NOTES

1. INSTALL CONDUIT AT 42" BFG WITH DETECTIVE WARNING TAPE PER PNM STANDARDS FOR NEW SERVICE TO NEW PNM TRANSFORMER. INSTALL NEW RISER PER PNM STANDARDS ON EXISTING RISER POLE TO TEMPORALLY OPERATE IN PARALLEL WITH EXISTING SERVICE FEED TO TERMINAL TO ALLOW TRANSITION OF EQUIPMENT POWER TO NEW SERVICE. COORDINATE WITH PNM FOR CONDUCTOR PULL. REFER TO PNM CONSTRUCTION DRAWINGS DS-7-15.0.
2. COORDINATE WITH CENTURYLINK FOR UTILITY CONNECTION TO NEW COMMUNICATION PULL BOX. CUSTOMER TO INSTALL NEW PULL BOX.
3. INSTALL CONDUITS AT MINIMUM 24" BFG. CONNECT TO NEW CENTURYLINK PULL BOX AND EXISTING COMM PULL BOX NEAR TERMINAL.
4. CONTRACTOR TO REMOVE EXISTING SERVICE CONDUCTORS. ABANDON CONDUIT IN PLACE.
5. COORDINATE WITH PNM FOR REMOVAL OF RISER, SERVICE POLE, AND OVERHEAD CONDUCTORS. CONTRACTOR TO REMOVE EQUIPMENT AFTER PNM ENSURES THAT IT IS DE-ENERGIZED.
6. COORDINATE WITH PNM FOR REMOVAL OF PNM GEAR, TRANSFORMER, RISER, AND UNDERGROUND CONDUCTORS.
7. COORDINATE WITH PNM FOR CONNECTION OF NEW OVERHEAD SERVICE TO EXISTING UTILITY POLE AND EXISTING OVERHEAD SERVICE. REFER TO E-103 FOR ADDITIONAL DETAILS.
8. COORDINATE WITH PNM FOR REMOVAL OF EXISTING OVERHEAD SERVICE.

GENERAL NOTES

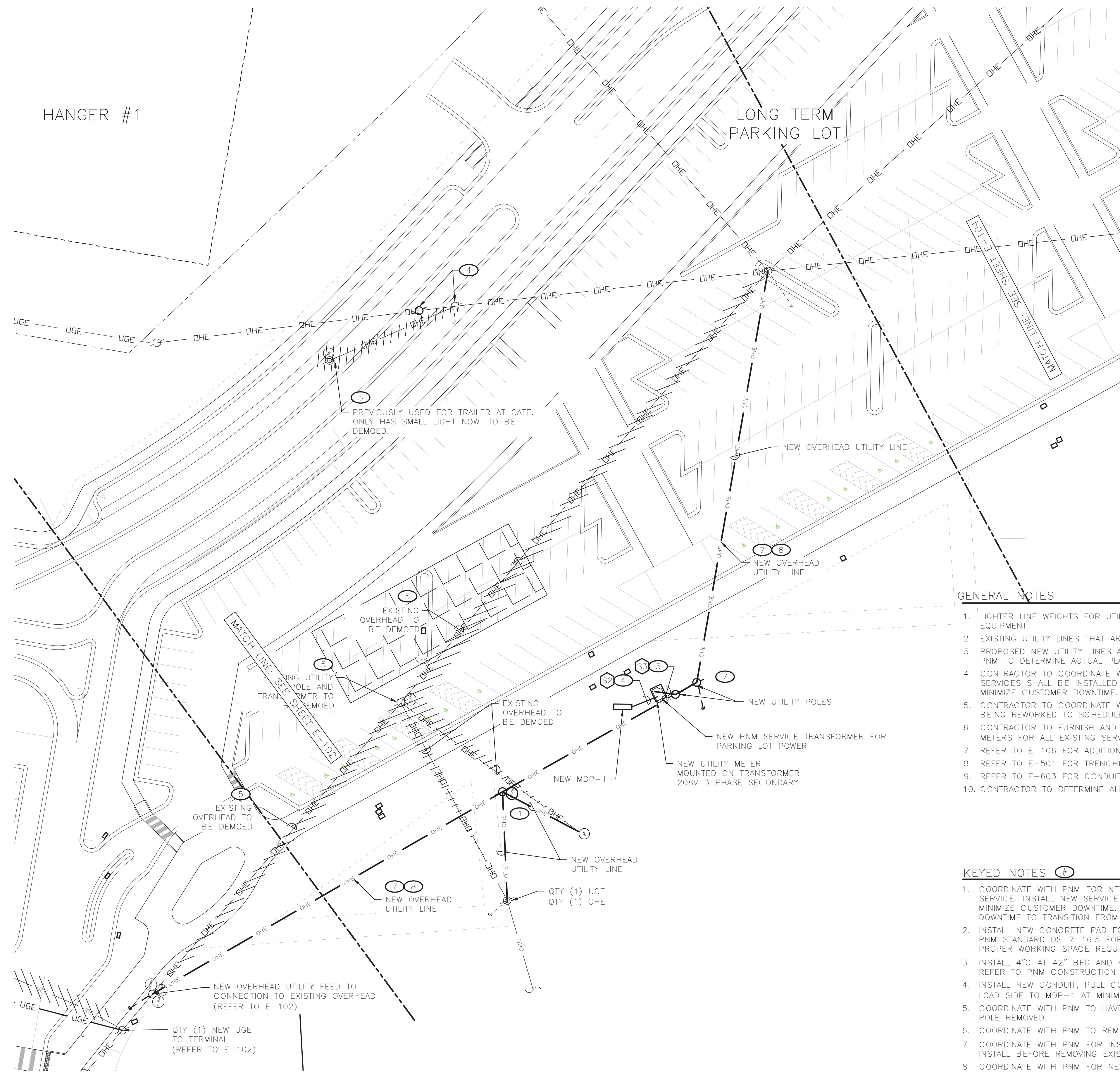
1. LIGHTER LINE WEIGHTS FOR UTILITY LINES AND EQUIPMENT REPRESENT EXISTING EQUIPMENT.
2. EXISTING UTILITY LINES THAT ARE HATCHED OUT ARE TO BE DEMOED.
3. PROPOSED NEW UTILITY LINES AND POLES ARE SHOWN FOR GENERAL PURPOSE. PNM TO DETERMINE ACTUAL PLACEMENT.
4. CONTRACTOR TO COORDINATE WITH PNM FOR RELOCATION OF UTILITY POWER. NEW SERVICES SHALL BE INSTALLED PRIOR TO REMOVAL OF EXISTING SERVICES TO MINIMIZE CUSTOMER DOWNTIME.
5. CONTRACTOR TO COORDINATE WITH CUSTOMERS AT EACH SERVICE LOCATION THAT IS BEING REWORKED TO SCHEDULE TIME FOR TRANSITION OF POWER.
6. CONTRACTOR TO FURNISH AND INSTALL NEW METERS SOCKETS AND INSTALL NEW METERS FOR ALL EXISTING SERVICE CONNECTIONS BEING REROUTED (TYP 5).
7. REFER TO E-105 FOR ADDITIONAL DETAILS.
8. REFER TO E-501 FOR TRENCHING DETAILS.
9. REFER TO E-603 FOR CONDUIT SCHEDULE.
10. CONTRACTOR TO DETERMINE ALL BURIED UTILITIES PRIOR TO EXCAVATION.

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HANGER #1

LONG TERM
PARKING LOT



GENERAL NOTES

1. LIGHTER LINE WEIGHTS FOR UTILITY LINES AND EQUIPMENT REPRESENT EXISTING EQUIPMENT.
2. EXISTING UTILITY LINES THAT ARE HATCHED OUT ARE TO BE DEMOED.
3. PROPOSED NEW UTILITY LINES AND POLES ARE SHOWN FOR GENERAL PURPOSE. PNM TO DETERMINE ACTUAL PLACEMENT.
4. CONTRACTOR TO COORDINATE WITH PNM FOR RELOCATION OF UTILITY POWER. NEW SERVICES SHALL BE INSTALLED PRIOR TO REMOVAL OF EXISTING SERVICES TO MINIMIZE CUSTOMER DOWNTIME.
5. CONTRACTOR TO COORDINATE WITH CUSTOMERS AT EACH SERVICE LOCATION THAT IS BEING REWORKED TO SCHEDULE TIME FOR TRANSITION OF POWER.
6. CONTRACTOR TO FURNISH AND INSTALL NEW METERS SOCKETS AND INSTALL NEW METERS FOR ALL EXISTING SERVICE CONNECTIONS BEING REROUTED (TYP 5).
7. REFER TO E-106 FOR ADDITIONAL DETAILS.
8. REFER TO E-501 FOR TRENCHING DETAILS.
9. REFER TO E-603 FOR CONDUIT SCHEDULE.
10. CONTRACTOR TO DETERMINE ALL BURIED UTILITIES PRIOR TO EXCAVATION.

KEYED NOTES

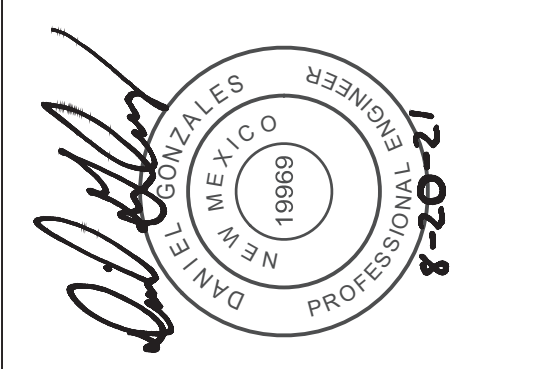
1. COORDINATE WITH PNM FOR NEW UTILITY POLE, TRANSFORMER, AND OVERHEAD SERVICE. INSTALL NEW SERVICE BEFORE DISCONNECTING EXISTING SERVICE TO MINIMIZE CUSTOMER DOWNTIME. COORDINATE WITH CUSTOMER TO SCHEDULE DOWNTIME TO TRANSITION FROM EXISTING SERVICE TO NEW SERVICE.
2. INSTALL NEW CONCRETE PAD FOR NEW PNM TRANSFORMER AND MDP. REFER TO PNM STANDARD DS-7-16.5 FOR TRANSFORMER PAD DETAILS AND DS-7-16.12 FOR PROPER WORKING SPACE REQUIREMENT FOR TRANSFORMER.
3. INSTALL 4" C AT 42" BFG AND RISER PER PNM STANDARDS FROM TRANSFORMER. REFER TO PNM CONSTRUCTION DRAWING DS-7-15.0.
4. INSTALL NEW CONDUIT, PULL CONDUCTORS, AND CONNECT FROM TRANSFORMER LOAD SIDE TO MDP-1 AT MINIMUM 24" BFG. REFER TO E-601.
5. COORDINATE WITH PNM TO HAVE NEW UTILITY POLE INSTALLED AND EXISTING UTILITY POLE REMOVED.
6. COORDINATE WITH PNM TO REMOVE EXISTING OVERHEAD AND SERVICE POLE.
7. COORDINATE WITH PNM FOR INSTALLATION OF NEW UTILITY POLE(S) AND OVERHEAD. INSTALL BEFORE REMOVING EXISTING UTILITY SERVICE.
8. COORDINATE WITH PNM FOR NEW OVERHEAD SERVICE TO BE CONNECTED TO EXISTING OVERHEAD SERVICE.

MOLZENCORBIN

2701 Miles Road SE
Albuquerque, New Mexico 87106
505 242 5700 office
505 242 0673 fax
MolzenCorbin.com

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NUMERIC SCALE CONFIRMATION
DRAWINGS ARE DEPICTED AT INTENDED
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IF THIS BAR EQUALS ONE INCH



REV. NO.	REV. DATE	DESCRIPTION

PROJECT NUMBER:	SAF182-14	DG
DESIGNED BY:		AR
DRAWN BY:		DG
CHECKED BY:		DG
PRIME DESIGN PROFESSIONAL:	KENT FREIER	
PROJECT DATE:	AUGUST, 2021	

PNM SERVICE RELOCATION
EXISTING ELECTRICAL SERVICES AND
NEW ELECTRICAL SERVICE SITE LAYOUT - SECTION 2

PARKING LOT RECONSTRUCTION
SANTA FE REGIONAL AIRPORT (SAF)
SANTA FE, NEW MEXICO

E-103

SHEET

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MOLZENCORBIN

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 505 242 5700 office
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 MolzenCorbin.com

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PROJECT NUMBER:	DESIGNED BY:	DRAWN BY:	AR	DG
PRIME DESIGN PROFESSIONAL:	CHECKED BY:	PROJECT DATE:	KENT FREIER	AUGUST, 2021

**PNM SERVICE RELOCATION
 EXISTING ELECTRICAL SERVICES AND
 NEW ELECTRICAL SERVICE SITE LAYOUT - SECTION 3**

**PARKING LOT RECONSTRUCTION
 SANTA FE REGIONAL AIRPORT (SAF)
 SANTA FE, NEW MEXICO**

E-104

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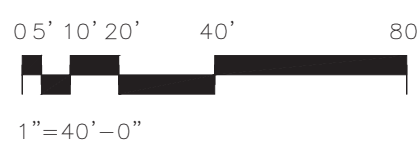
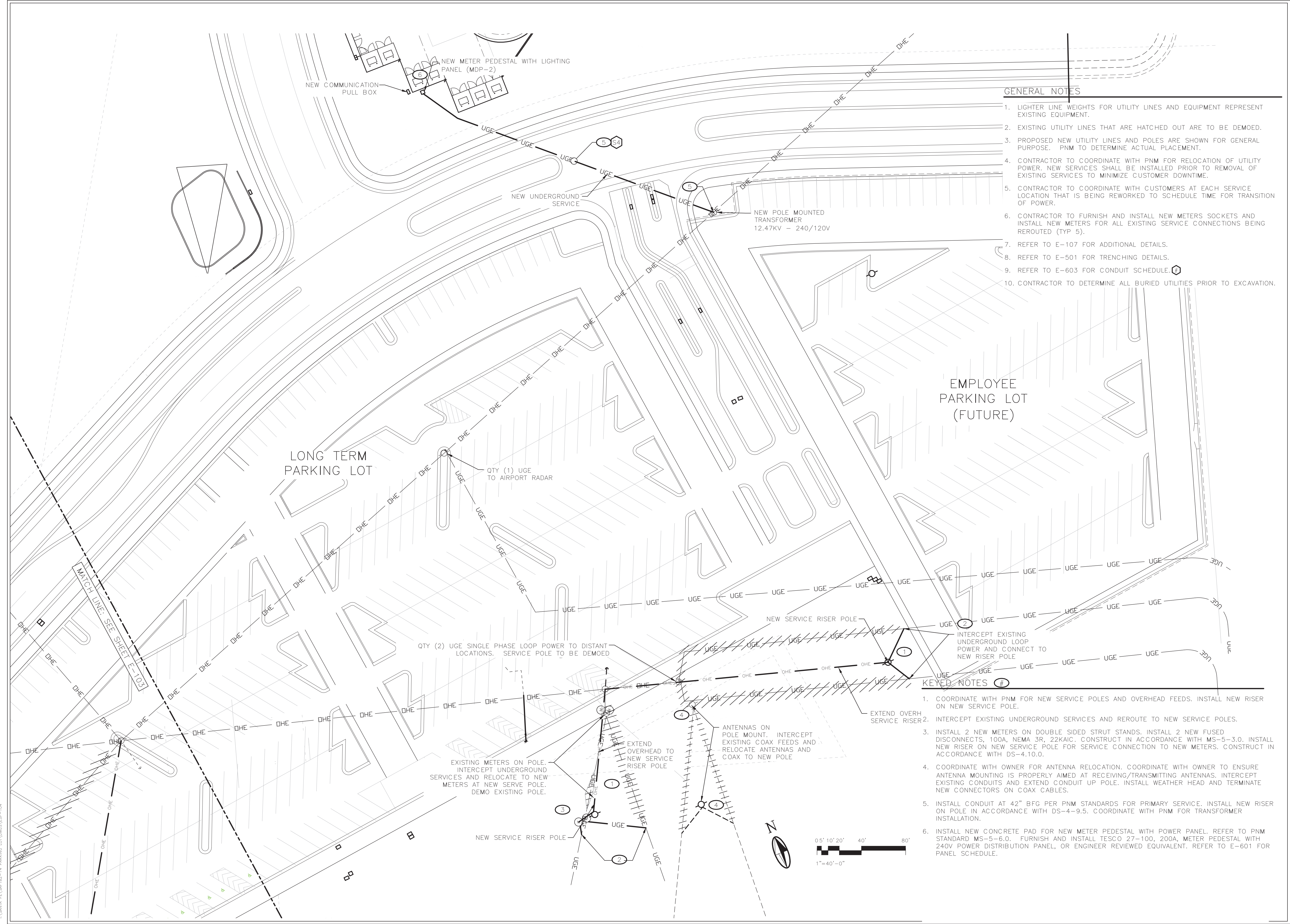
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GENERAL NOTES

1. LIGHTER LINE WEIGHTS FOR UTILITY LINES AND EQUIPMENT REPRESENT EXISTING EQUIPMENT.
2. EXISTING UTILITY LINES THAT ARE HATCHED OUT ARE TO BE DEMOED.
3. PROPOSED NEW UTILITY LINES AND POLES ARE SHOWN FOR GENERAL PURPOSE. PNM TO DETERMINE ACTUAL PLACEMENT.
4. CONTRACTOR TO COORDINATE WITH PNM FOR RELOCATION OF UTILITY POWER. NEW SERVICES SHALL BE INSTALLED PRIOR TO REMOVAL OF EXISTING SERVICES TO MINIMIZE CUSTOMER DOWNTIME.
5. CONTRACTOR TO COORDINATE WITH CUSTOMERS AT EACH SERVICE LOCATION THAT IS BEING REWORKED TO SCHEDULE TIME FOR TRANSITION OF POWER.
6. CONTRACTOR TO FURNISH AND INSTALL NEW METERS SOCKETS AND INSTALL NEW METERS FOR ALL EXISTING SERVICE CONNECTIONS BEING REROUTED (TYP 5).
7. REFER TO E-107 FOR ADDITIONAL DETAILS.
8. REFER TO E-501 FOR TRENCHING DETAILS.
9. REFER TO E-603 FOR CONDUIT SCHEDULE.
10. CONTRACTOR TO DETERMINE ALL BURIED UTILITIES PRIOR TO EXCAVATION.

KEYED NOTES

1. COORDINATE WITH PNM FOR NEW SERVICE POLES AND OVERHEAD FEEDS. INSTALL NEW RISER ON NEW SERVICE POLE.
2. INTERCEPT EXISTING UNDERGROUND SERVICES AND REROUTE TO NEW SERVICE POLES.
3. INSTALL 2 NEW METERS ON DOUBLE SIDED STRUT STANDS. INSTALL 2 NEW FUSED DISCONNECTS, 100A, NEMA 3R, 22KAIC. CONSTRUCT IN ACCORDANCE WITH MS-5-3.0. INSTALL NEW RISER ON NEW SERVICE POLE FOR SERVICE CONNECTION TO NEW METERS. CONSTRUCT IN ACCORDANCE WITH DS-4.10.0.
4. COORDINATE WITH OWNER FOR ANTENNA RELOCATION. COORDINATE WITH OWNER TO ENSURE ANTENNA MOUNTING IS PROPERLY AIMED AT RECEIVING/TRANSMITTING ANTENNAS. INTERCEPT EXISTING CONDUITS AND EXTEND CONDUIT UP POLE. INSTALL WEATHER HEAD AND TERMINATE NEW CONNECTORS ON COAX CABLES.
5. INSTALL CONDUIT AT 42" BFG PER PNM STANDARDS FOR PRIMARY SERVICE. INSTALL NEW RISER ON POLE IN ACCORDANCE WITH DS-4-9.5. COORDINATE WITH PNM FOR TRANSFORMER INSTALLATION.
6. INSTALL NEW CONCRETE PAD FOR NEW METER PEDESTAL WITH POWER PANEL. REFER TO PNM STANDARD MS-5-6.0. FURNISH AND INSTALL TESCO 27-100, 200A, METER PEDESTAL WITH 240V POWER DISTRIBUTION PANEL, OR ENGINEER REVIEWED EQUIVALENT. REFER TO E-601 FOR PANEL SCHEDULE.



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REV. NO.	REV. DATE	DESCRIPTION	SAF 182-14
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			AR
			DG
			DG
			KENT FREIER
			AUGUST, 2021

SECTION 1
 NEW ELECTRICAL POWER AND COMMUNICATION
 CONDUIT RUNS

PARKING LOT RECONSTRUCTION
 SANTA FE REGIONAL AIRPORT (SAF)
 SANTA FE, NEW MEXICO

E-105

SHEET

KEYED NOTES

- INSTALL CONDUITS IN TRENCH FOR PHOTOVOLTAIC CAR PORT. INSTALL PULL CHORDS AND GLUE TO CONDUIT CAP AT EACH END. CONDUIT SHALL PROTRUDE 6" AFG AT EACH END FOR FUTURE CONNECTIONS BY OWNER.
- INSTALL CONDUITS IN TRENCH FOR COMMUNICATION. STUB UP CONDUITS INSIDE IT ROOM ALONG WALL. CONTINUE TO INSTALL CONDUITS IN TRENCH TO CONNECT EACH PULL BOX. INCLUDE PULL STRING IN ONE CONDUIT FOR SPARE. PULL FIBER CABLE IN OTHER CONDUIT FOR COMMUNICATION LINK. USE LONG RADIUS SWEEPS ON ALL ANGLED CONDUITS.
- INSTALL CONDUIT IN TRENCH FROM MDP-1 TO PP-2 FOR GATE POWER. PULL CONDUCTORS FROM MDP-1 TO PP-2 AND CONNECT. ALSO INCLUDE SPARE CONDUIT ALONG SAME ROUTE. INSTALL PULL STRING, LABEL, AND GLUE TO CAPPED END AT PP-2.
- FURNISH AND INSTALL NEW PULL BOXES. REFER TO E-501 FOR DETAILS.
- FURNISH AND INSTALL 60A, NEMA 4, 208V 3 PHASE, POWER PEDESTAL (PP-2), TESCO 27-100 UM, OR ENGINEER REVIEWED EQUIVALENT. REFER TO E-601 FOR PANEL SCHEDULE. INCLUDE 120V MAINTENANCE RECEPTACLE MOUNTED TO POWER PEDESTAL WITH WEATHER PROOF COVER. REFER TO E-501 FOR CONCRETE BASE DETAILS.
- REFER TO E-301 FOR PP-1 AND EV CHARGER ROUTING DETAILS.
- INSTALL CONDUIT IN TRENCH FROM MDP-1 TO PP-1 FOR EV CHARGING POWER. PULL CONDUCTORS FROM MDP-1 TO PP-1 AND CONNECT. ALSO INCLUDE SPARE CONDUIT ALONG SAME ROUTE. INSTALL PULL STRING, LABEL, AND GLUE TO CAPPED END AT PP-1.
- COORDINATE WITH OWNER FOR EQUIPMENT AND CONDUIT LOCATIONS AND INSTALLATION THAT WILL BE INTEGRATED INTO THE PHOTOVOLTAIC SYSTEM. PHOTOVOLTAIC SYSTEM SHALL BE INSTALLED DURING THE CONSTRUCTION PHASE OF THE PARKING LOT.

CARYN GROSSE, PMP
 PROJECT ADMINISTRATOR
 CITY OF SANTA FE
 PUBLIC WORKS FACILITIES DIVISION
 OFFICE: 505.955.5938

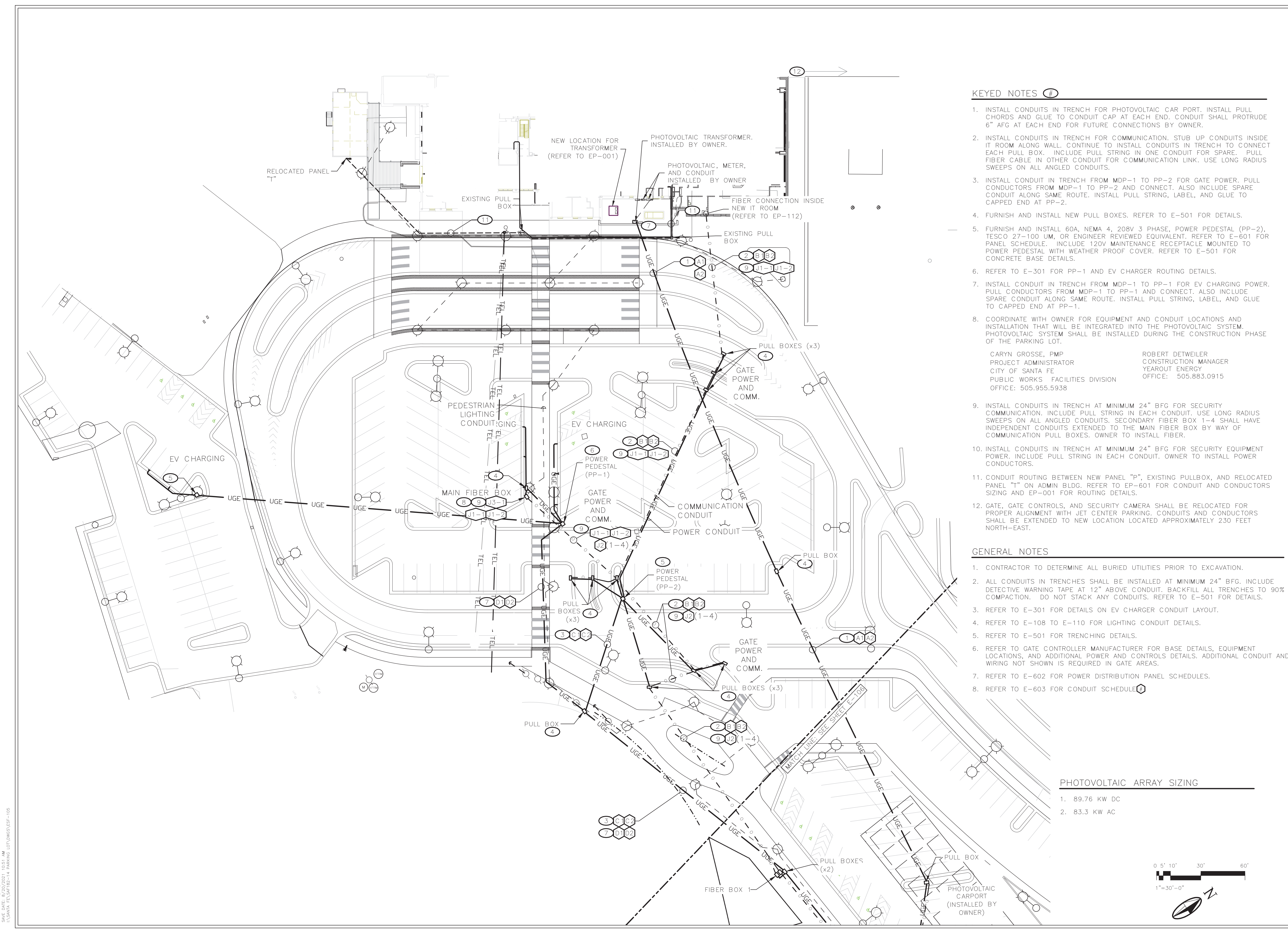
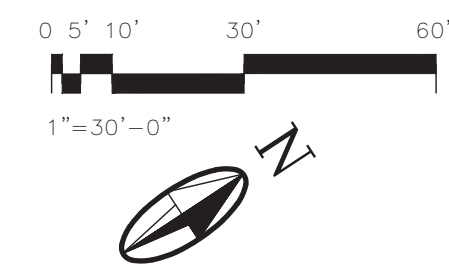
ROBERT DETWEILER
 CONSTRUCTION MANAGER
 YEAROUT ENERGY
 OFFICE: 505.883.0915

GENERAL NOTES

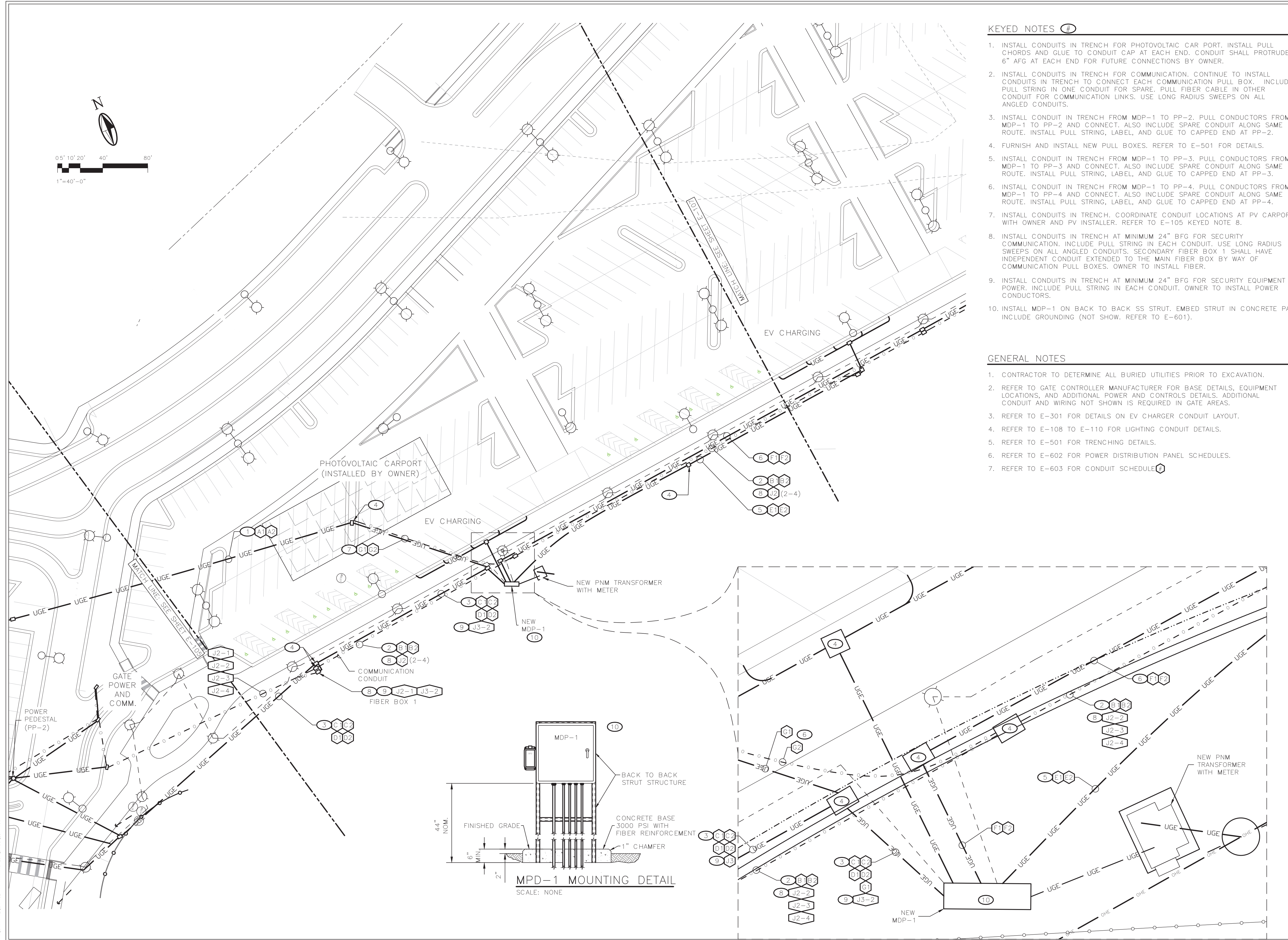
- CONTRACTOR TO DETERMINE ALL BURIED UTILITIES PRIOR TO EXCAVATION.
- ALL CONDUITS IN TRENCHES SHALL BE INSTALLED AT MINIMUM 24" BFG. INCLUDE DETECTIVE WARNING TAPE AT 12" ABOVE CONDUIT. BACKFILL ALL TRENCHES TO 90% COMPACTION. DO NOT STACK ANY CONDUITS. REFER TO E-501 FOR DETAILS.
- REFER TO E-301 FOR DETAILS ON EV CHARGER CONDUIT LAYOUT.
- REFER TO E-108 TO E-110 FOR LIGHTING CONDUIT DETAILS.
- REFER TO E-501 FOR TRENCHING DETAILS.
- REFER TO GATE CONTROLLER MANUFACTURER FOR BASE DETAILS, EQUIPMENT LOCATIONS, AND ADDITIONAL POWER AND CONTROLS DETAILS. ADDITIONAL CONDUIT AND WIRING NOT SHOWN IS REQUIRED IN GATE AREAS.
- REFER TO E-602 FOR POWER DISTRIBUTION PANEL SCHEDULES.
- REFER TO E-603 FOR CONDUIT SCHEDULES.

PHOTOVOLTAIC ARRAY SIZING

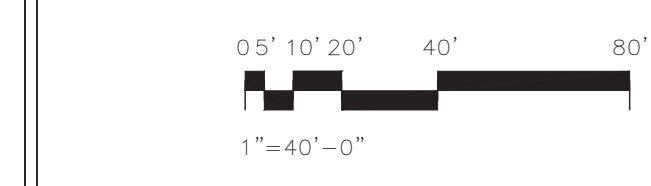
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KEYED NOTES #

1. INSTALL CONDUITS IN TRENCH FOR PHOTOVOLTAIC CAR PORT. INSTALL PULL CHORDS AND GLUE TO CONDUIT CAP AT EACH END. CONDUIT SHALL PROTRUDE 6" AFG AT EACH END FOR FUTURE CONNECTIONS BY OWNER.
2. INSTALL CONDUITS IN TRENCH FOR COMMUNICATION. CONTINUE TO INSTALL CONDUITS IN TRENCH TO CONNECT EACH COMMUNICATION PULL BOX. INCLUDE PULL STRING IN ONE CONDUIT FOR SPARE. PULL FIBER CABLE IN OTHER CONDUIT FOR COMMUNICATION LINKS. USE LONG RADIUS SWEEPS ON ALL ANGLED CONDUITS.
3. INSTALL CONDUIT IN TRENCH FROM MDP-1 TO PP-2. PULL CONDUCTORS FROM MDP-1 TO PP-2 AND CONNECT. ALSO INCLUDE SPARE CONDUIT ALONG SAME ROUTE. INSTALL PULL STRING, LABEL, AND GLUE TO CAPPED END AT PP-2.
4. FURNISH AND INSTALL NEW PULL BOXES. REFER TO E-501 FOR DETAILS.
5. INSTALL CONDUIT IN TRENCH FROM MDP-1 TO PP-3. PULL CONDUCTORS FROM MDP-1 TO PP-3 AND CONNECT. ALSO INCLUDE SPARE CONDUIT ALONG SAME ROUTE. INSTALL PULL STRING, LABEL, AND GLUE TO CAPPED END AT PP-3.
6. INSTALL CONDUIT IN TRENCH FROM MDP-1 TO PP-4. PULL CONDUCTORS FROM MDP-1 TO PP-4 AND CONNECT. ALSO INCLUDE SPARE CONDUIT ALONG SAME ROUTE. INSTALL PULL STRING, LABEL, AND GLUE TO CAPPED END AT PP-4.
7. INSTALL CONDUITS IN TRENCH. COORDINATE CONDUIT LOCATIONS AT PV CARPORT WITH OWNER AND PV INSTALLER. REFER TO E-105 KEYED NOTE 8.
8. INSTALL CONDUITS IN TRENCH AT MINIMUM 24" BFG FOR SECURITY COMMUNICATION. INCLUDE PULL STRING IN EACH CONDUIT. USE LONG RADIUS SWEEPS ON ALL ANGLED CONDUITS. SECONDARY FIBER BOX 1 SHALL HAVE INDEPENDENT CONDUIT EXTENDED TO THE MAIN FIBER BOX BY WAY OF COMMUNICATION PULL BOXES. OWNER TO INSTALL FIBER.
9. INSTALL CONDUITS IN TRENCH AT MINIMUM 24" BFG FOR SECURITY EQUIPMENT POWER. INCLUDE PULL STRING IN EACH CONDUIT. OWNER TO INSTALL POWER CONDUCTORS.
10. INSTALL MDP-1 ON BACK TO BACK SS STRUT. EMBED STRUT IN CONCRETE PAD. INCLUDE GROUNDING (NOT SHOW. REFER TO E-601).

GENERAL NOTES

1. CONTRACTOR TO DETERMINE ALL BURIED UTILITIES PRIOR TO EXCAVATION.
2. REFER TO GATE CONTROLLER MANUFACTURER FOR BASE DETAILS, EQUIPMENT LOCATIONS, AND ADDITIONAL POWER AND CONTROLS DETAILS. ADDITIONAL CONDUIT AND WIRING NOT SHOWN IS REQUIRED IN GATE AREAS.
3. REFER TO E-301 FOR DETAILS ON EV CHARGER CONDUIT LAYOUT.
4. REFER TO E-108 TO E-110 FOR LIGHTING CONDUIT DETAILS.
5. REFER TO E-501 FOR TRENCHING DETAILS.
6. REFER TO E-602 FOR POWER DISTRIBUTION PANEL SCHEDULES.
7. REFER TO E-603 FOR CONDUIT SCHEDULE.

MOLZENCORBIN

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 505 242 5700 office
 505 242 0673 fax
 MolzenCorbin.com

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NUMERIC SCALE CONFIRMATION
 DRAWINGS ARE DEPICTED AT INTENDED
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REV. NO.	REV. DATE	DESCRIPTION
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**SECTION 2
 NEW ELECTRICAL POWER AND COMMUNICATION
 CONDUIT RUNS**

**PARKING LOT RECONSTRUCTION
 SANTA FE REGIONAL AIRPORT (SAF)
 SANTA FE, NEW MEXICO**

E-106

SHEET

MOLZENCORBIN

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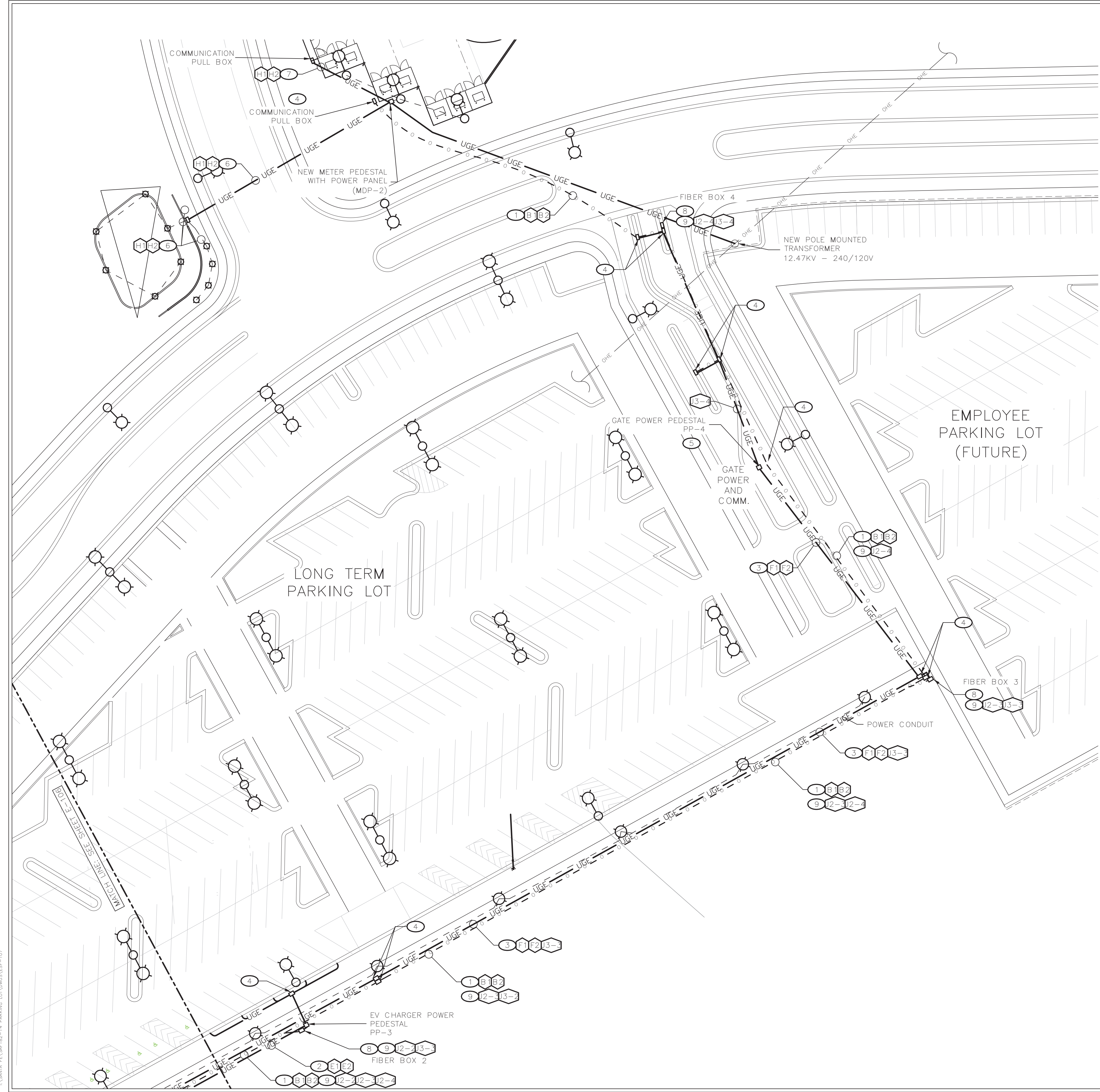


KEYED NOTES

1. INSTALL CONDUITS IN TRENCH AT MINIMUM 24" BFG FOR COMMUNICATION. CONTINUE TO INSTALL CONDUITS IN TRENCH TO CONNECT EACH COMMUNICATION PULL BOX. INCLUDE PULL STRING IN ONE CONDUIT FOR SPARE. PULL FIBER CABLE IN OTHER CONDUIT FOR COMMUNICATION LINK. USE LONG RADIUS SWEEPS ON ALL ANGLED CONDUITS.
2. INSTALL CONDUIT IN TRENCH FROM MDP-1 TO PP-3. PULL CONDUCTORS FROM MDP-1 TO PP-3 AND CONNECT. ALSO INCLUDE SPARE CONDUIT ALONG SAME ROUTE. INSTALL PULL STRING, LABEL, AND GLUE TO CAPPED END AT PP-3.
3. INSTALL CONDUIT IN TRENCH FROM MDP-1 TO PP-4. PULL CONDUCTORS FROM MDP-1 TO PP-4 AND CONNECT. ALSO INCLUDE SPARE CONDUIT ALONG SAME ROUTE. INSTALL PULL STRING, LABEL, AND GLUE TO CAPPED END AT PP-4.
4. FURNISH AND INSTALL NEW PULL BOXES. REFER TO E-111 FOR DETAILS.
5. FURNISH AND INSTALL 60A, NEMA 4, 208V 3 PHASE, POWER PEDESTAL (PP-4), TESCO 27-100 UM, OR ENGINEER REVIEWED EQUIVALENT. REFER TO E-601 FOR PANEL SCHEDULE. INCLUDE 120V MAINTENANCE RECEPTACLE MOUNTED TO POWER PEDESTAL WITH WEATHER PROOF COVER. REFER TO E-111 FOR CONCRETE BASE DETAILS.
6. INSTALL CONDUITS IN TRENCH AND PULL CONDUCTORS FOR LIGHTING POWER AND SPARE AT MINIMUM 24" BFG.
7. INSTALL CONDUITS IN TRENCH AND PULL CONDUCTORS FOR IRRIGATION CONTROLLER POWER, IRRIGATION BACKFLOW PREVENTER HEAT TRACE, AND SPARES AT MINIMUM 24" BFG. REFER TO IRRIGATION DETAILS FOR FURTHER CONTROLLER AND HEATTRACE DETAILS.
8. INSTALL FIBER BOX.
9. INSTALL CONDUITS IN TRENCH AT MINIMUM 24" BFG FOR SECURITY COMMUNICATION. INCLUDE PULL STRING IN EACH CONDUIT. USE LONG RADIUS SWEEPS ON ALL ANGLED CONDUITS. EACH SECONDARY FIBER BOX (2-4) SHALL HAVE INDEPENDENT CONDUIT EXTENDED TO THE MAIN FIBER BOX (TYP. 3) BY WAY OF COMMUNICATION PULL BOXES. OWNER TO INSTALL FIBER.
10. INSTALL CONDUITS IN TRENCH AT MINIMUM 24" BFG FOR SECURITY EQUIPMENT POWER. INCLUDE PULL STRING IN EACH CONDUIT. OWNER TO INSTALL POWER CONDUCTORS.

GENERAL NOTES

1. CONTRACTOR TO DETERMINE ALL BURIED UTILITIES PRIOR TO EXCAVATION.
2. REFER TO GATE CONTROLLER MANUFACTURER FOR BASE DETAILS, EQUIPMENT LOCATIONS, AND ADDITIONAL POWER AND CONTROLS DETAILS. ADDITIONAL CONDUIT AND WIRING NOT SHOWN IS REQUIRED IN GATE AREAS.
3. REFER TO E-301 FOR DETAILS ON EV CHARGER CONDUIT LAYOUT.
4. REFER TO E-108 TO E-110 FOR LIGHTING CONDUIT DETAILS.
5. REFER TO E-501 FOR TRENCHING DETAILS.
7. REFER TO E-602 FOR POWER DISTRIBUTION PANEL SCHEDULES.
8. REFER TO E-603 FOR CONDUIT SCHEDULE.



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REV. NO.	REV. DATE	DESCRIPTION	SAF 182-14	DG
DESIGNED BY:			AR	AR
DRAWN BY:			AR	AR
CHECKED BY:			DG	DG
PRIME DESIGN PROFESSIONAL:			KENT FREIER	KENT FREIER
PROJECT DATE:			AUGUST, 2021	AUGUST, 2021

SECTION 3
NEW ELECTRICAL POWER AND COMMUNICATION
CONDUIT RUNS

PARKING LOT RECONSTRUCTION
SANTA FE REGIONAL AIRPORT (SAF)
SANTA FE, NEW MEXICO

E-107

SHEET

MOLZENCORBIN

2701 Miles Road SE
 Albuquerque, New Mexico 87106
 505 242 5700 office
 505 242 0673 fax
 MolzenCorbin.com

NOTICE OF EXTENDED PAYMENT PROVISION:
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 PAYMENT WITHIN 45 DAYS AFTER SUBMISSION
 OF AN UNDISPUTED REQUEST FOR PAYMENT

NUMERIC SCALE CONFIRMATION
 DRAWINGS ARE DEPICTED AT INTENDED
 NUMERIC SCALES
 IF THIS BAR EQUALS ONE INCH



REV. NO.	REV. DATE	DESCRIPTION	SAF 182-14	JM
PROJECT NUMBER:				
DESIGNED BY:				JM
DRAWN BY:				JM
CHECKED BY:				DC
PRIME DESIGN PROFESSIONAL:				KENT FREIER
PROJECT DATE:				AUGUST, 2021

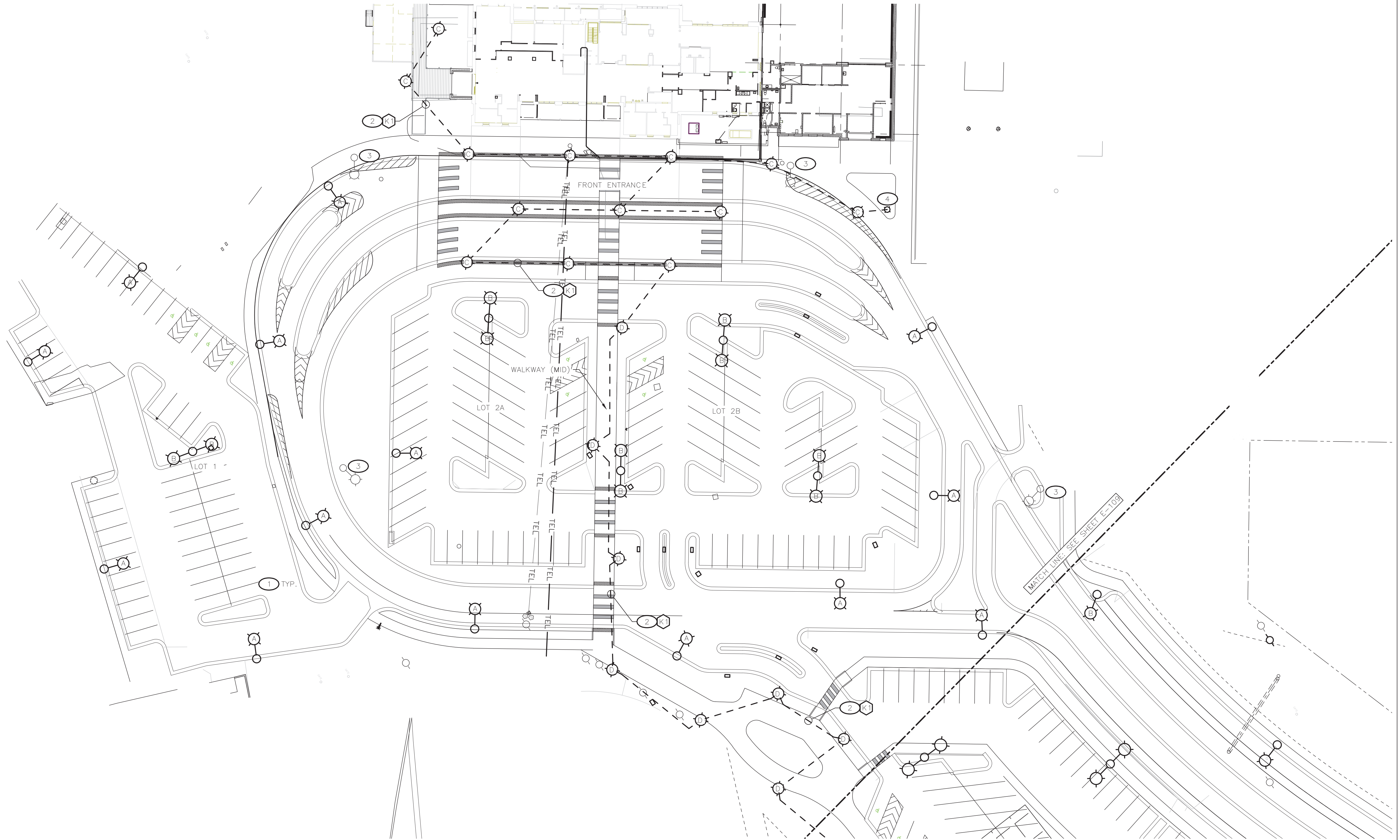
SECTION 1
 PARKING LOT LIGHTING PLAN

PARKING LOT RECONSTRUCTION
 SANTA FE REGIONAL AIRPORT (SAF)
 SANTA FE, NEW MEXICO

E-108

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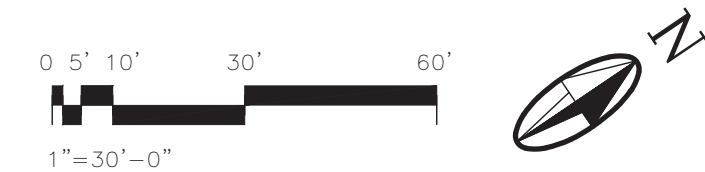
GENERAL NOTES

1. CONTRACTOR TO DETERMINE ALL BURIED UTILITIES PRIOR TO EXCAVATION.
2. INSTALL WARNING TAPE 6" BFG IN TRENCHES. SEE DETAIL E-501.
3. MINIMUM TRENCH COVER 24".
4. COORDINATE WITH OWNER REPRESENTATIVE FOR FINAL LUMINAIRE DESIGN AND COLOR FOR LIGHT FIXTURES.
5. SEE SHEET E-502 FOR FIXTURE DETAILS AND SCHEDULE.
6. REFER TO E-603 FOR CONDUIT SCHEDULE.

KEYED NOTES

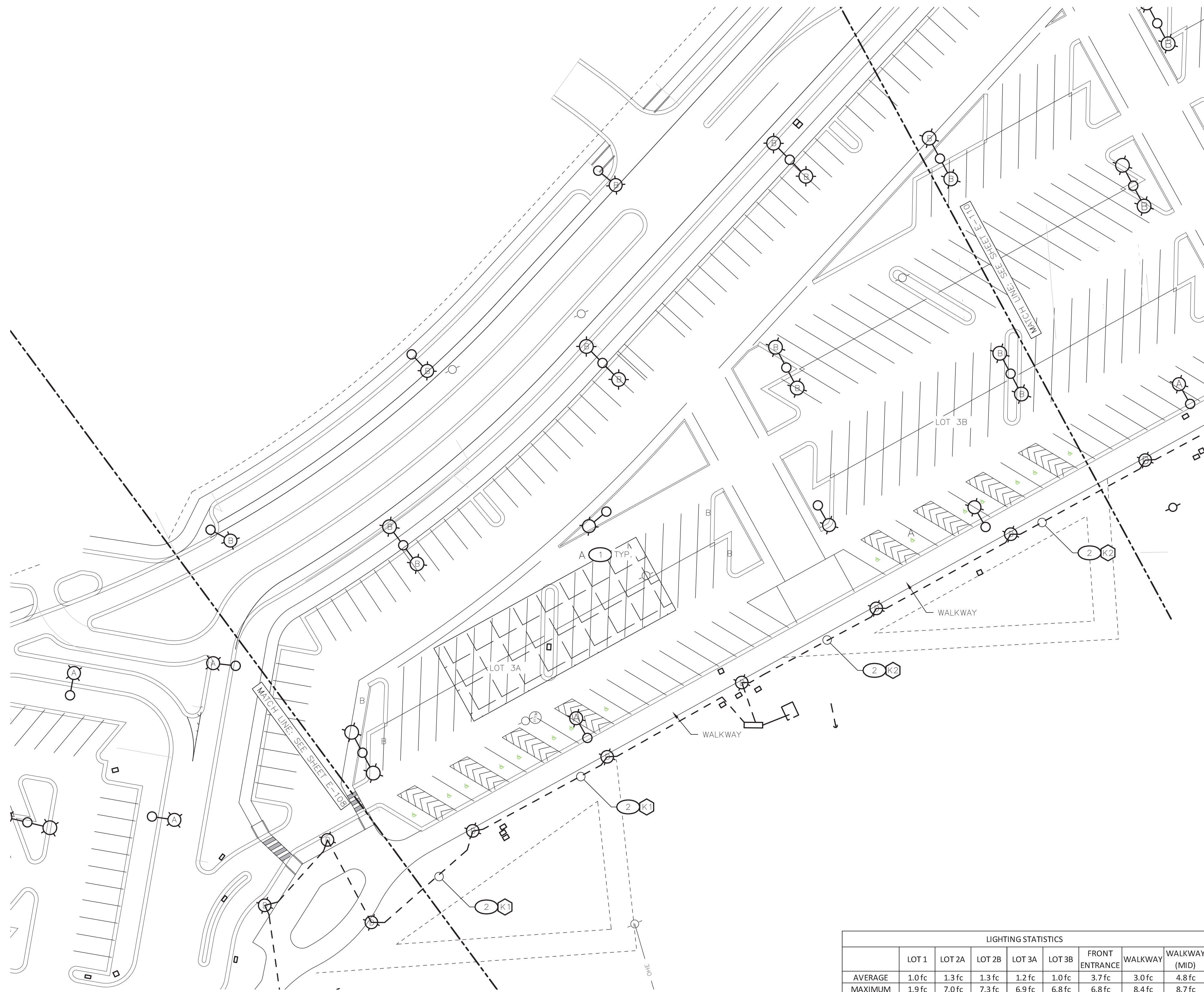
1. CONSTRUCT CONCRETE BASE AND INSTALL LUMINAIRE ON POLE ACCORDINGLY WITH DETAILS ON SHEET E-111. TYP. FOR ALL.
2. INSTALL PVC CONDUITS IN TRENCH AND PULL CONDUCTORS FOR LIGHTING POWER AND SPARE AT MINIMUM 24" BFG.
3. DEMO EXISTING PARKING LOT LIGHTS. (TYP. 4)
4. EXTEND LIGHTING CIRCUIT TO FLAG POLE LIGHTING FIXTURE. REFER TO ARCHITECTURAL FOR FLAG POLE DETAILS.

LIGHTING STATISTICS								
	LOT 1	LOT 2A	LOT 2B	LOT 3A	LOT 3B	FRONT ENTRANCE	WALKWAY	WALKWAY (MID)
AVERAGE	1.0fc	1.3fc	1.3fc	1.2fc	1.0fc	3.7fc	3.0fc	4.8fc
MAXIMUM	1.9fc	7.0fc	7.3fc	6.9fc	6.8fc	6.8fc	8.4fc	8.7fc
MINIMUM	0.1fc	0.3fc	0.5fc	0.2fc	0.1fc	1.4fc	0.2fc	1.7fc
MAX/MIN	19.0:1	23.3:1	14.6:1	34.5:1	34.0:1	4.9:1	42.0:1	5.1:1
AVG/MIN	10.0:1	4.3:1	2.6:1	6.0:1	10.0:1	2.6:1	15.0:1	2.8:1



SAF 182-14
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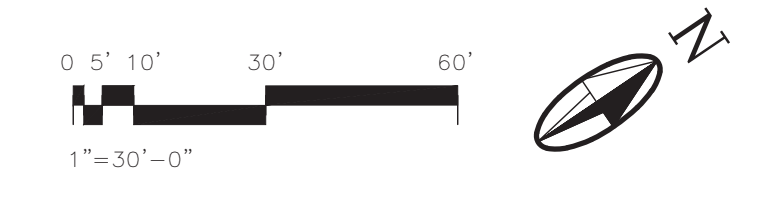
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LIGHTING STATISTICS								
	LOT 1	LOT 2A	LOT 2B	LOT 3A	LOT 3B	FRONT ENTRANCE	WALKWAY	WALKWAY (MID)
AVERAGE	1.0fc	1.3fc	1.3fc	1.2fc	1.0fc	3.7fc	3.0fc	4.8fc
MAXIMUM	1.9fc	7.0fc	7.3fc	6.9fc	6.8fc	6.8fc	8.4fc	8.7fc
MINIMUM	0.1fc	0.3fc	0.5fc	0.2fc	0.1fc	1.4fc	0.2fc	1.7fc
MAX/MIN	19.0:1	23.3:1	14.6:1	34.5:1	34.0:1	4.9:1	42.0:1	5.1:1
AVG/MIN	10.0:1	4.3:1	2.6:1	6.0:1	10.0:1	2.6:1	15.0:1	2.8:1

- GENERAL NOTES**
1. DETERMINE BURIED UTILITY LOCATIONS PRIOR TO EXCAVATION.
 2. INSTALL WARNING TAPE 6" BFG IN TRENCHES. SEE DETAIL E-501.
 3. MINIMUM TRENCH COVER 24".
 4. COORDINATE WITH OWNER REPRESENTATIVE FOR FINAL LUMINAIRE DESIGN AND COLOR FOR LIGHT FIXTURES.
 5. REFER TO E-502 FOR FIXTURE DETAILS AND SCHEDULE.
 6. REFER TO E-602 FOR POWER DISTRIBUTION PANEL SCHEDULES.
 7. REFER TO E-603 FOR CONDUIT SCHEDULES.

- KEYED NOTES**
1. CONSTRUCT CONCRETE BASE AND INSTALL LUMINAIRE ON POLE ACCORDINGLY WITH DETAILS ON SHEET E-1111, TYP. FOR ALL.
 2. INSTALL PVC CONDUITS IN TRENCH AND PULL CONDUCTORS FOR LIGHTING POWER AND SPARE AT MINIMUM 24" BFG.



MOLZENCORBIN

2701 Miles Road SE
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 505 242 0673 fax
 MolzenCorbin.com

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REV. NO.	REV. DATE	DESCRIPTION	PROJECT NUMBER:	SAF182-14	DESIGNED BY:	JM	DRAWN BY:	JM	CHECKED BY:	DC	PRIME DESIGN PROFESSIONAL:	KENT FREIER	PROJECT DATE:	AUGUST, 2021

SECTION 2
 PARKING LOT LIGHTING PLAN

PARKING LOT RECONSTRUCTION
 SANTA FE REGIONAL AIRPORT (SAF)
 SANTA FE, NEW MEXICO

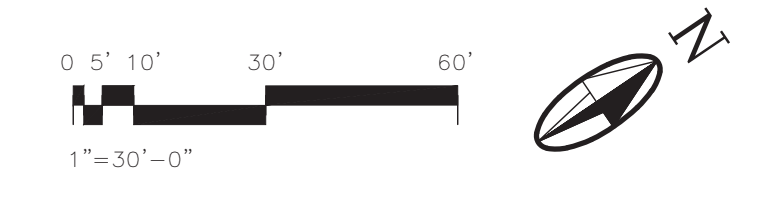
E-109

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LIGHTING STATISTICS							
	LOT 1	LOT 2A	LOT 2B	LOT 3A	LOT 3B	FRONT ENTRANCE	WALKWAY
AVERAGE	1.0fc	1.3fc	1.3fc	1.2fc	1.0fc	3.7fc	3.0fc
MAXIMUM	1.9fc	7.0fc	7.3fc	6.9fc	6.8fc	6.8fc	8.4fc
MINIMUM	0.1fc	0.3fc	0.5fc	0.2fc	0.1fc	1.4fc	0.2fc
MAX/MIN	19.0:1	23.3:1	14.6:1	34.5:1	34.0:1	4.9:1	42.0:1
AVG/MIN	10.0:1	4.3:1	2.6:1	6.0:1	10.0:1	2.6:1	15.0:1



GENERAL NOTES

1. DETERMINE BURIED UTILITY LOCATIONS PRIOR TO EXCAVATION.
2. INSTALL WARNING TAPE 6" BFG IN TRENCHES. SEE DETAIL E-501.
3. MINIMUM TRENCH COVER 24".
4. COORDINATE WITH OWNER REPRESENTATIVE FOR FINAL LUMINAIRE DESIGN AND COLOR FOR LIGHT FIXTURES.
5. REFER TO E-502 FOR FIXTURE DETAILS AND SCHEDULE.
6. REFER TO E-602 FOR POWER DISTRIBUTION PANEL SCHEDULES.
7. REFER TO E-603 FOR CONDUIT SCHEDULE.

KEYED NOTES

1. CONSTRUCT CONCRETE BASE AND INSTALL LUMINAIRE ON POLE ACCORDINGLY WITH DETAILS ON SHEET E-111, TYP. FOR ALL.
2. INSTALL PVC CONDUITS IN TRENCH AND PULL CONDUCTORS FOR LIGHTING POWER AND SPARE AT MINIMUM 24" BFG.
3. REFER TO ARCHITECTURAL FOR SIGN AND PLANE LIGHTING DETAILS.

MOLZENCORBIN

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 Albuquerque, New Mexico 87106
 505 242 5700 office
 505 242 0673 fax
 MolzenCorbin.com

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REV. NO.	REV. DATE	DESCRIPTION
		SAF 182-14
		JM
		JM
		DC
		KENT FREIER
		AUGUST, 2021

SECTION 3
 PARKING LOT LIGHTING PLAN

PARKING LOT RECONSTRUCTION
 SANTA FE REGIONAL AIRPORT (SAF)
 SANTA FE, NEW MEXICO

E-110

SHEET

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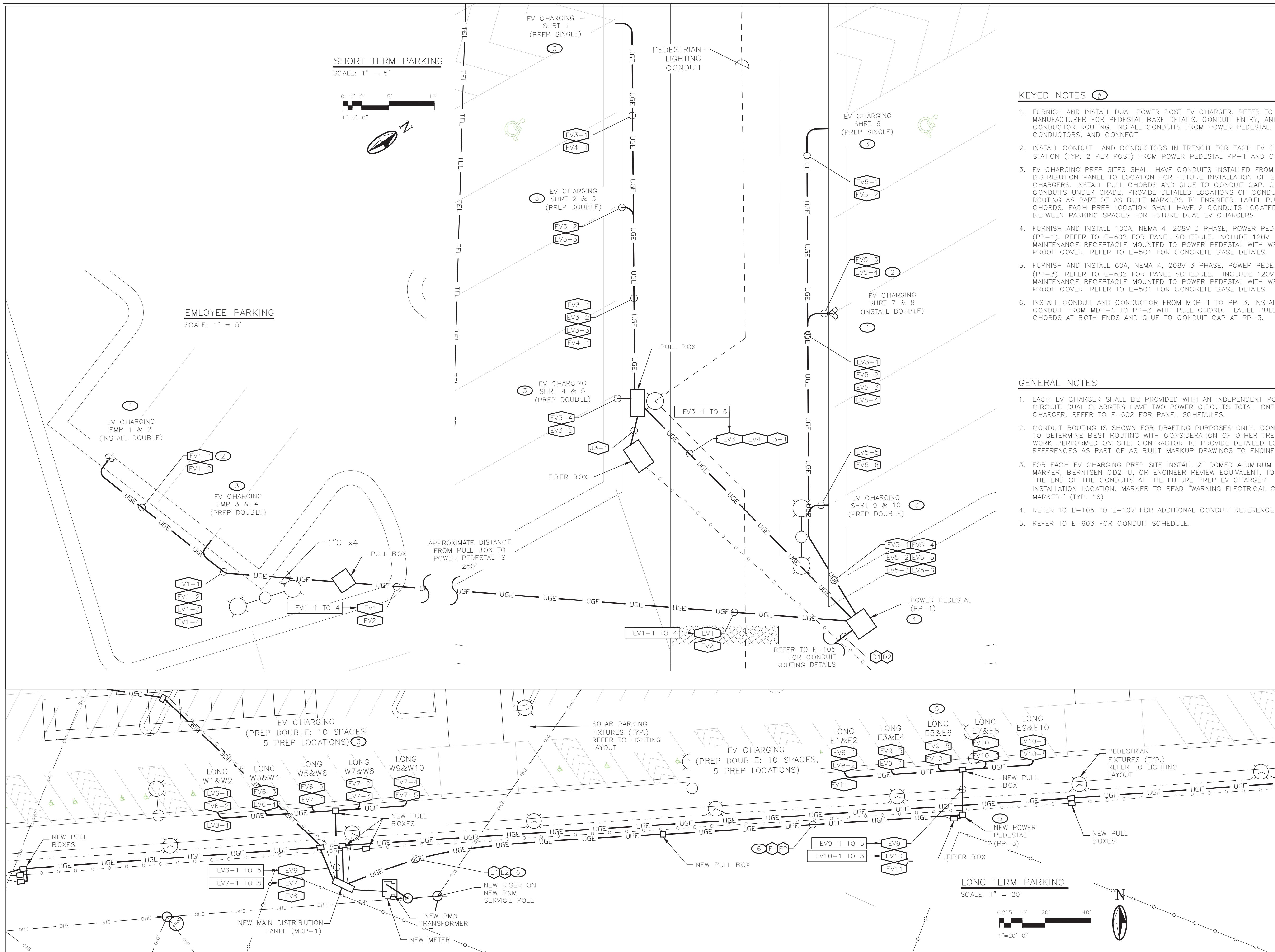


KEYED NOTES

- FURNISH AND INSTALL DUAL POWER POST EV CHARGER. REFER TO MANUFACTURER FOR PEDESTAL BASE DETAILS, CONDUIT ENTRY, AND CONDUCTOR ROUTING. INSTALL CONDUITS FROM POWER PEDESTAL. PULL CONDUCTORS, AND CONNECT.
- INSTALL CONDUIT AND CONDUCTORS IN TRENCH FOR EACH EV CHARGER STATION (TYP. 2 PER POST) FROM POWER PEDESTAL PP-1 AND CONNECT.
- EV CHARGING PREP SITES SHALL HAVE CONDUITS INSTALLED FROM DISTRIBUTION PANEL TO LOCATION FOR FUTURE INSTALLATION OF EV CHARGERS. INSTALL PULL CHORDS AND GLUE TO CONDUIT CAP. CAP CONDUITS UNDER GRADE. PROVIDE DETAILED LOCATIONS OF CONDUIT ROUTING AS PART OF AS BUILT MARKUPS TO ENGINEER. LABEL PULL CHORDS. EACH PREP LOCATION SHALL HAVE 2 CONDUITS LOCATED IN BETWEEN PARKING SPACES FOR FUTURE DUAL EV CHARGERS.
- FURNISH AND INSTALL 100A, NEMA 4, 208V 3 PHASE, POWER PEDESTAL (PP-1). REFER TO E-602 FOR PANEL SCHEDULE. INCLUDE 120V MAINTENANCE RECEPTACLE MOUNTED TO POWER PEDESTAL WITH WEATHER PROOF COVER. REFER TO E-501 FOR CONCRETE BASE DETAILS.
- FURNISH AND INSTALL 60A, NEMA 4, 208V 3 PHASE, POWER PEDESTAL (PP-3). REFER TO E-602 FOR PANEL SCHEDULE. INCLUDE 120V MAINTENANCE RECEPTACLE MOUNTED TO POWER PEDESTAL WITH WEATHER PROOF COVER. REFER TO E-501 FOR CONCRETE BASE DETAILS.
- INSTALL CONDUIT AND CONDUCTOR FROM MDP-1 TO PP-3. INSTALL SPARE CONDUIT FROM MDP-1 TO PP-3 WITH PULL CHORD. LABEL PULL CHORDS AT BOTH ENDS AND GLUE TO CONDUIT CAP AT PP-3.

GENERAL NOTES

- EACH EV CHARGER SHALL BE PROVIDED WITH AN INDEPENDENT POWER CIRCUIT. DUAL CHARGERS HAVE TWO POWER CIRCUITS TOTAL, ONE PER CHARGER. REFER TO E-602 FOR PANEL SCHEDULES.
- CONDUIT ROUTING IS SHOWN FOR DRAFTING PURPOSES ONLY. CONTRACTOR TO DETERMINE BEST ROUTING WITH CONSIDERATION OF OTHER TRENCHING WORK PERFORMED ON SITE. CONTRACTOR TO PROVIDE DETAILED LOCATION REFERENCES AS PART OF AS BUILT MARKUP DRAWINGS TO ENGINEER.
- FOR EACH EV CHARGING PREP SITE INSTALL 2" DOMED ALUMINUM UTILITY MARKER; BERTENSEN CD2-U, OR ENGINEER REVIEW EQUIVALENT, TO MARK THE END OF THE CONDUITS AT THE FUTURE PREP EV CHARGER INSTALLATION LOCATION. MARKER TO READ "WARNING ELECTRICAL CONDUIT MARKER." (TYP. 16)
- REFER TO E-105 TO E-107 FOR ADDITIONAL CONDUIT REFERENCES.
- REFER TO E-603 FOR CONDUIT SCHEDULE.



SECTION VIEW
 EV CHARGER LAYOUT

PARKING LOT RECONSTRUCTION
 SANTA FE REGIONAL AIRPORT (SAF)
 SANTA FE, NEW MEXICO

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 DRAWN BY: JRM
 PROJECT: 13/SANTA FE/SAF/182-14/PARKING LOT RECONSTRUCTION

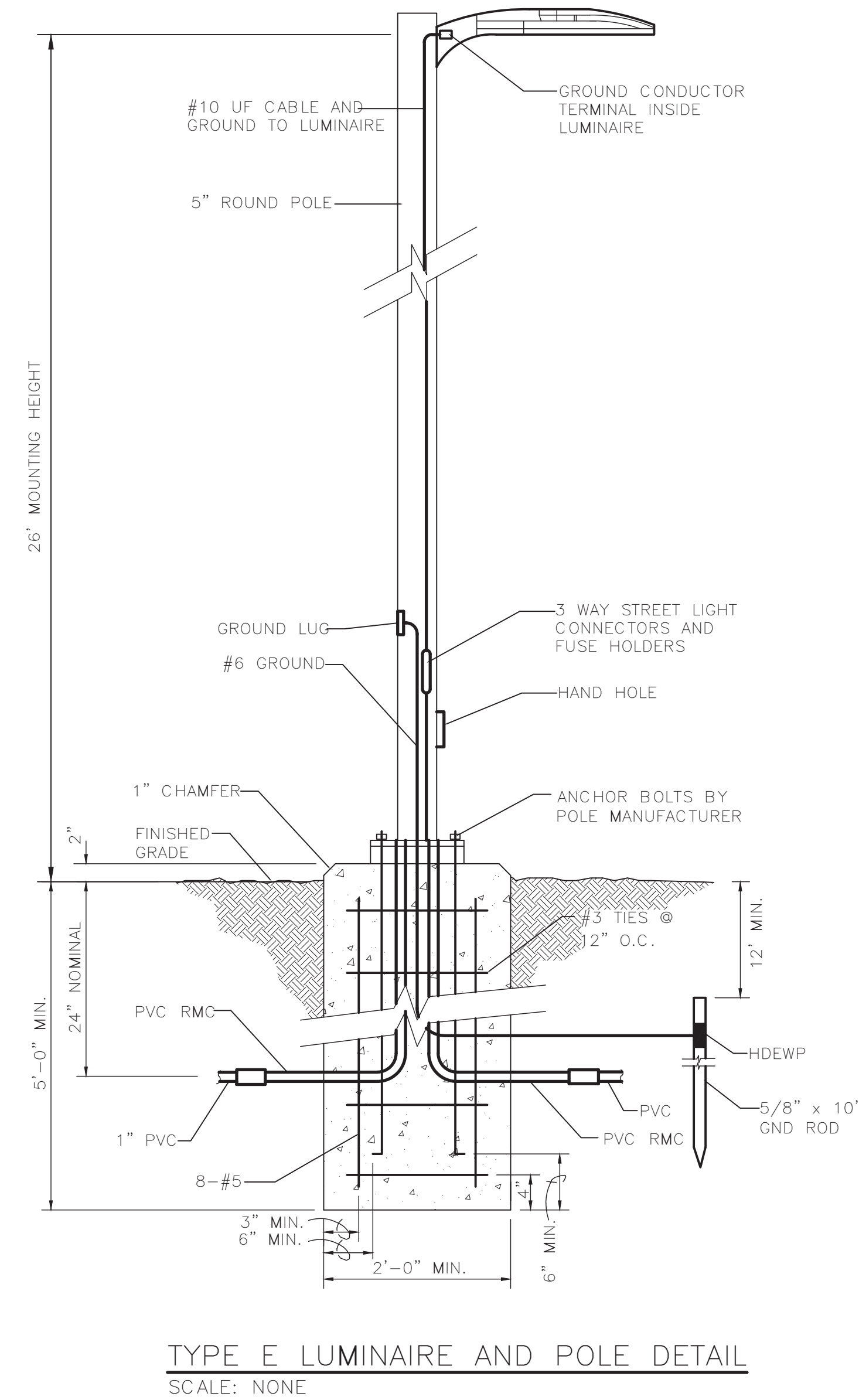
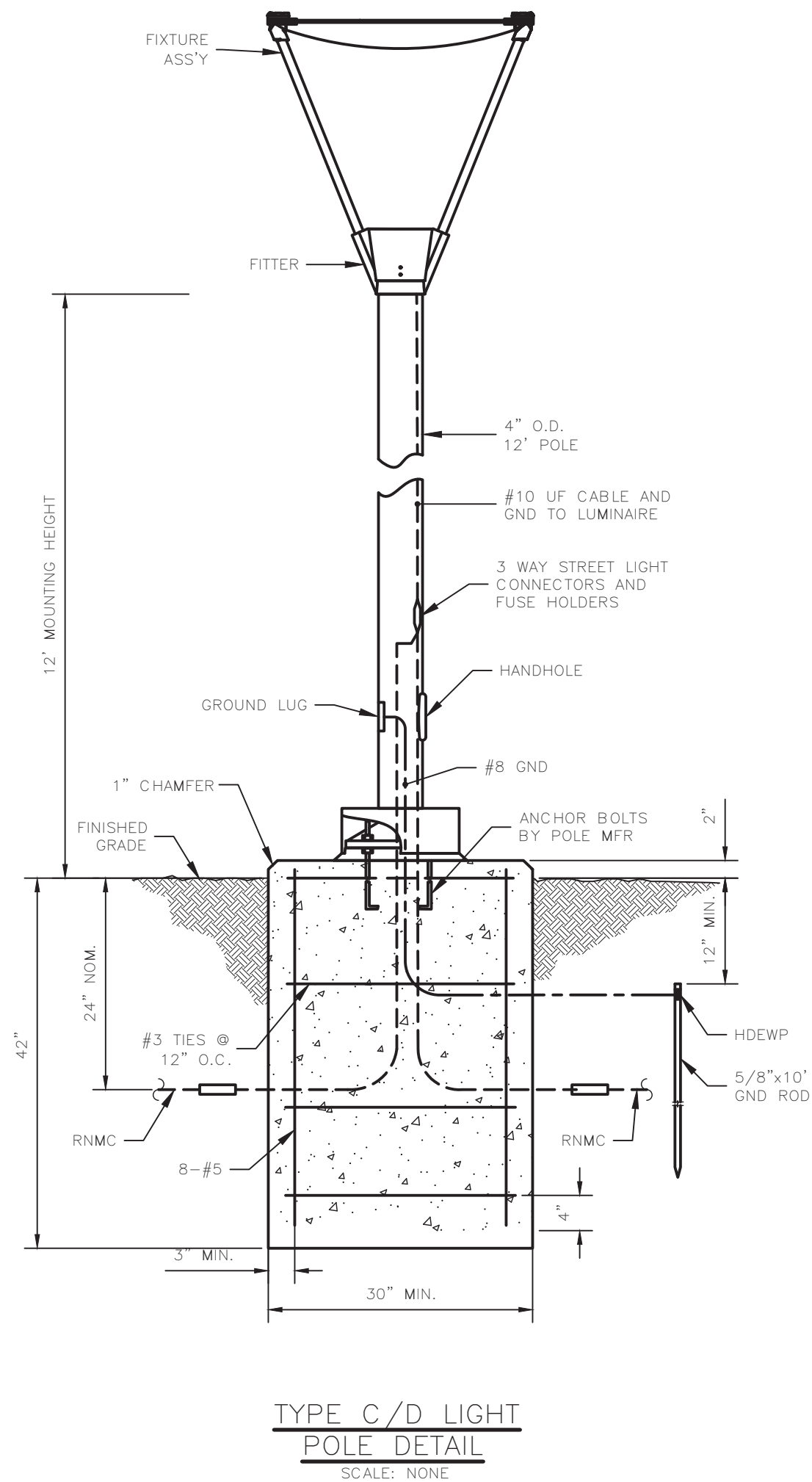
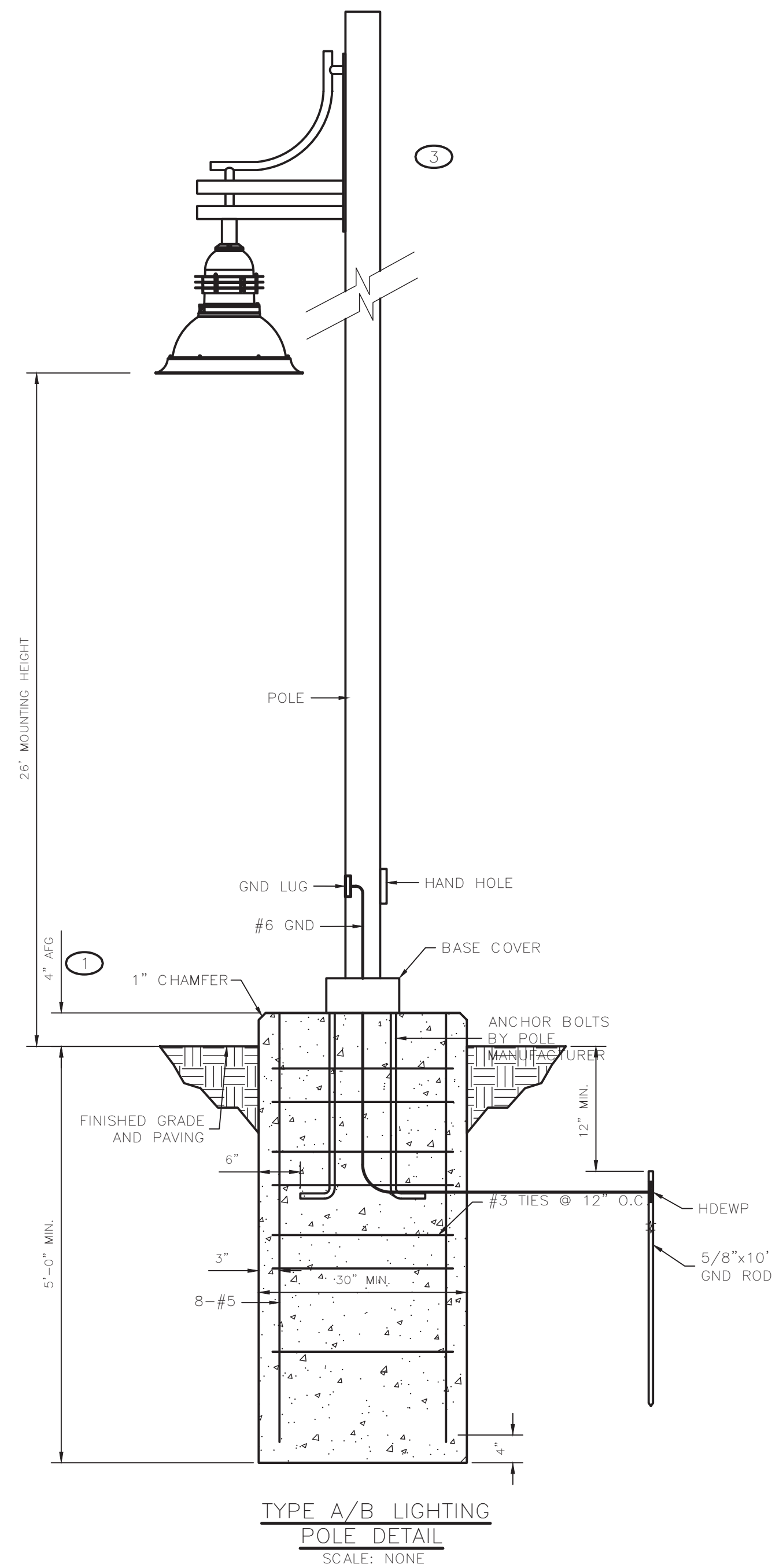
KEYED NOTES

1. IN AREAS WHERE LIGHT FIXTURE IS SUBJECT TO VEHICULAR TRAFFIC THE TOP OF THE ANCHOR BASE SHALL BE 36" AFG.
2. VERIFY SOLAR PANEL AND BATTERY BANK SIZING WITH LIGHTING FIXTURE MANUFACTURER.
3. SOLAR PANEL AND BATTERY ASSEMBLY NOT SHOWN. REFER TO MANUFACTURER REQUIREMENTS FOR MOUNTING.

GENERAL NOTES

1. REFER TO E-108 AND E-109 FOR FIXTURE LAYOUT REFERENCE. PRE-APPROVED VENDORS HAVE PROVIDED ACCEPTABLE VARIATIONS TO THE PROPOSED LAYOUT. VARIATIONS SHALL MEET LIGHT REQUIREMENTS. REFER TO LIGHTING SPECIFICATIONS.

LUMINAIRE & EQUIPMENT SCHEDULE											
TYPE	DESCRIPTION	VOLTS	MOUNTING	MOUNTING HEIGHT	LUMENS	TYPE	WATTAGE	COLOR & FINISH	MFR	MODEL	Q-TY
A	SOLARURBAN DECORATIVE STYLE SINGLE LED SOLAR POWERED LIGHTING FIXTURE, WIDE DISTRIBUTION	12VDC	SINGLE PENDANT POLE	26 FT	5811	III	55	PLAT SILVER GLOSS	SEPCO	SEPA275PPPC-QMPC-URB55-MPP T21-OPC-PB-P27-AL-AB	30
B	SOLARURBAN DECORATIVE STYLE DUAL LED SOLAR POWERED LIGHTING FIXTURE, TYPE III DISTRIBUTION	12VDC	DUAL PENDANT POLE	26 FT	5744	V	55	PLAT SILVER GLOSS	SEPCO	SEPA275PPPC-QMPC-URB55-MPP T21-OPC-PB-P27-AL-AB	44
C	OURO ARCHITECTURAL LED POST TOP FIXTURE, WIDE DISTRIBUTION	UNV	POST TOP	12 FT	7011	5W	65	PLAT SILVER GLOSS	HUBBELL	UR20-24L-65-3K7-5W-UNV-FM44-PS	13
D	OURO ARCHITECTURAL LED POST TOP FIXTURE, TYPE III DISTRIBUTION	UNV	POST TOP	12 FT	6625	III	65	PLAT SILVER GLOSS	HUBBELL	UR20-24L-65-3K7-3-UNV-FM44-PS	19
E	AIRO MICRO STRIKE LED SITE FIXTURE	UNV	POLE	26 FT	6000	4W	68	PLAT SILVER GLOSS	HUBBELL	ASL-80L-50-3K7-4W-UNV-ASQU-N XSPW14F-BLT	3
F	TCR TRACER FLOODLIGHT LUMINAIRE	UNV	FD BOX	0.5 FT	1575	FLOOD	12	BRONZE	LUMARK	TCRL15M-7030	3



MOLZENCORBIN

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DRAWINGS ARE DEPICTED AT INTENDED
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1			SAF182-14	JM	JM	KENT FREIER	AUGUST, 2021

FIXTURE DETAILS AND SCHEDULE

**PARKING LOT RECONSTRUCTION
SANTA FE REGIONAL AIRPORT (SAF)
SANTA FE, NEW MEXICO**

E-502

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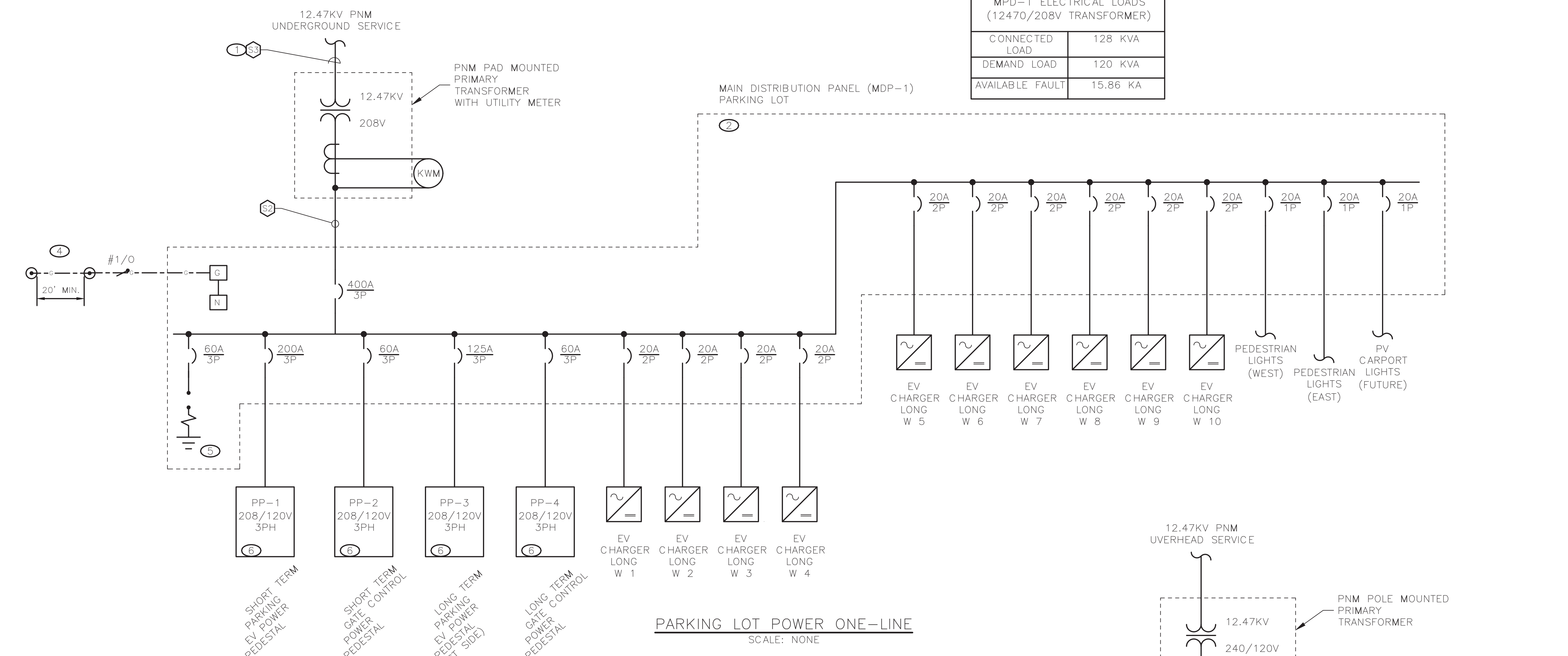


REV. NO.	REV. DATE	DESCRIPTION
PROJECT NUMBER:	SAF182-14	DG
DESIGNED BY:		AR
DRAWN BY:		DG
CHECKED BY:		KENT FREIER
PRIME DESIGN PROFESSIONAL:		
PROJECT DATE:		AUGUST, 2021

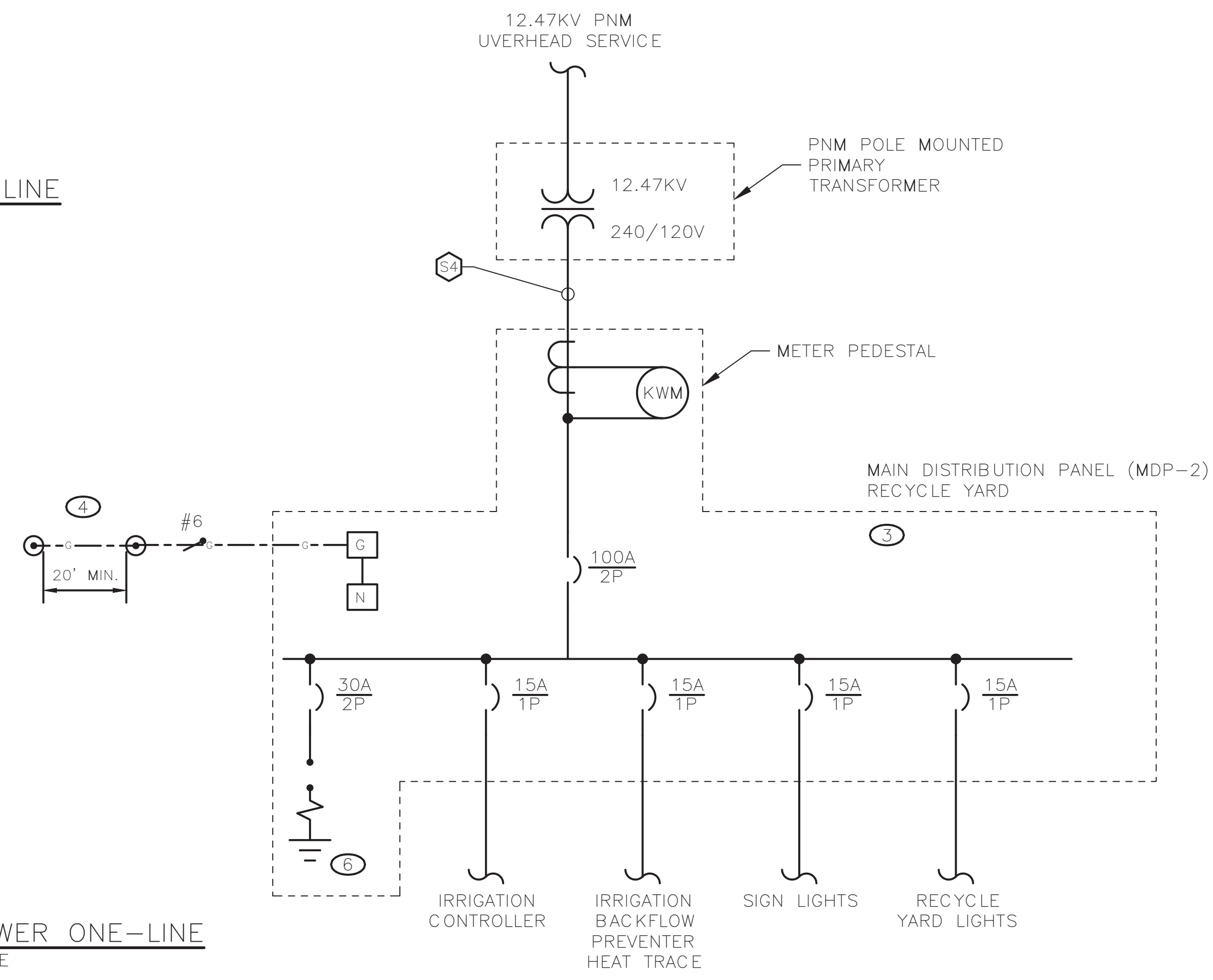
PARKING LOT AND RECYCLE AREA ELECTRICAL ONE-LINE DIAGRAMS
PARKING LOT RECONSTRUCTION
SANTA FE REGIONAL AIRPORT (SAF)
SANTA FE, NEW MEXICO

MPD-1 ELECTRICAL LOADS (12470/208V TRANSFORMER)	
CONNECTED LOAD	128 KVA
DEMAND LOAD	120 KVA
AVAILABLE FAULT	15.86 KA

MPD-2 ELECTRICAL LOADS (12470/240V TRANSFORMER)	
CONNECTED LOAD	4 KVA
DEMAND LOAD	4 KVA
AVAILABLE FAULT	9.15 KA



PARKING LOT POWER ONE-LINE
 SCALE: NONE



RECYCLING AREA POWER ONE-LINE
 SCALE: NONE

KEYED NOTES

- FURNISH AND INSTALL 4"Ø FOR PRIMARY SERVICE FEED. INSTALL UNDERGROUND CONDUITS MINIMUM 42" BFG WITH DETECTABLE WARNING TAPE PER PNM STANDARDS. INSTALL RISERS PER PNM STANDARDS. CONTRACTOR TO COORDINATE WITH PNM FOR NEW SERVICES.
- FURNISH AND INSTALL NEW 208/120V 3Ø PANEL MDP-1, NEMA 4, 400A, 48 CIRCUIT. EQUIPMENT SHALL BE LISTED AND LABELED FOR USE AS SERVICE ENTRANCE EQUIPMENT.
- FURNISH AND INSTALL NEW 240/120V 1Ø PANEL MDP-2, NEMA 4, 100A, 28 CIRCUIT. EQUIPMENT SHALL BE LISTED AND LABELED FOR USE AS SERVICE ENTRANCE EQUIPMENT.
- FURNISH AND INSTALL 2x (5/8" x 10' GROUND RODS) AT MINIMUM 20' SPACING BETWEEN GROUND RODS. BOND TO EQUIPMENT GROUNDING OF SERVICE ENTRANCE PANEL. BOND GROUND TO NEUTRAL (TYP 2).
- PROVIDE MINIMUM 80KA RATED SPD. MOUNT SPD TO MDP-1. LOCATE AND ORIENT TO COMPLY WITH MANUFACTURER INSTALLATION INSTRUCTIONS. CIRCUIT BREAKER AND CONDUCTOR TO BE SIZED AS RECOMMENDED BY SURGE PROTECTIVE DEVICE (SPD) MANUFACTURER.
- PROVIDE MINIMUM 50KA RATED SPD. MOUNT SPD TO MDP-2. LOCATE AND ORIENT TO COMPLY WITH MANUFACTURER INSTALLATION INSTRUCTIONS. CIRCUIT BREAKER AND CONDUCTOR TO BE SIZED AS RECOMMENDED BY SPD MANUFACTURER. (TYP 5)

GENERAL NOTES:

- SEE SHEET E-101 TO E-110 FOR ELECTRICAL EQUIPMENT PLAN VIEWS AND EQUIPMENT LOCATIONS.
- SEE SHEET E-101 TO E-110 FOR ADDITIONAL DETAILS FOR CONDUIT ROUTING/SIZING AND CONDUCTOR SIZING.
- REFER TO SHEET E-602 FOR PANEL SCHEDULE.
- PAINT MDP-1, MPD-2 AND POWER PEDESTALS (PP 1-4) RAL COLOR #1002 TO MATCH SURROUNDINGS.
- REFER TO SHEET E-603 FOR CONDUIT SCHEDULE.
- SPARE CONDUITS ARE NOT SHOWN ON THIS SHEET.

DATE: 8/22/2021 11:53 AM
 SAVE DATE: 8/22/2021 10:57 AM
 I:\SANTA FE\SAF182-14 PARKING LOT\EMPS\ESF-601

MOLZENCORBIN

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NOTICE OF EXTENDED PAYMENT PROVISION:
 THIS CONTRACT ALLOWS THE OWNER TO MAKE
 PAYMENT WITHIN 45 DAYS AFTER SUBMISSION
 OF AN UNDISPUTED REQUEST FOR PAYMENT

NUMERIC SCALE CONFIRMATION
 DRAWINGS ARE DEPICTED AT INTENDED
 NUMERIC SCALES
 IF THIS BAR EQUALS ONE INCH



REV. NO.	REV. DATE	DESCRIPTION
PROJECT NUMBER:	SAF182-14	DESCRIPTION
DESIGNED BY:	AR	DR
DRAWN BY:	AR	DR
CHECKED BY:	KENT FREIER	DR
PRIME DESIGN PROFESSIONAL:	KENT FREIER	DR
PROJECT DATE:	AUGUST, 2021	

PARKING LOT
 AND RECYCLE AREA
 ELECTRICAL PANEL SCHEDULES

PARKING LOT RECONSTRUCTION
 SANTA FE REGIONAL AIRPORT (SAF)
 SANTA FE, NEW MEXICO

E-602

SHEET

KEYED NOTES

- EQUIPMENT SHALL BE LISTED AND LABELED FOR USE AS SERVICE ENTRANCE EQUIPMENT. REFER TO E-106.
- PROVIDE MINIMUM 80KA RATED SPD. MOUNT SPD TO MDP. LOCATE AND ORIENT TO COMPLY WITH MANUFACTURER INSTALLATION INSTRUCTIONS. CIRCUIT BREAKER AND CONDUCTOR TO BE SIZED AS RECOMMENDED BY SURGE PROTECTIVE DEVICE (SPD) MANUFACTURER.
- PROVIDE MINIMUM 50KA RATED SPD. MOUNT SPD TO MDP. LOCATE AND ORIENT TO COMPLY WITH MANUFACTURER INSTALLATION INSTRUCTIONS. CIRCUIT BREAKER AND CONDUCTOR TO BE SIZED AS RECOMMENDED BY SPD MANUFACTURER. (TYP 5)
- FURNISH AND INSTALL TESCO 24-200 UM, OR ENGINEER REVIEW EQUIVALENT.
- FURNISH AND INSTALL TESCO 27-100 UM, OR ENGINEER REVIEW EQUIVALENT.
- FURNISH AND INSTALL TESCO 27-100, OR ENGINEER REVIEW EQUIVALENT.

GENERAL NOTES:

- SEE SHEET E-101 TO E-110 FOR ELECTRICAL EQUIPMENT PLAN VIEWS AND EQUIPMENT LOCATIONS.
- SEE SHEET E-101 TO E-110 FOR ADDITIONAL DETAILS FOR CONDUIT ROUTING/SIZING AND CONDUCTOR SIZING.
- PAINT MDP-1, MDP-2 AND POWER PEDESTALS (PP 1-4) RAL COLOR #1002 TO MATCH SURROUNDINGS.
- PROVIDE NAMEPLATES ON ALL PANELS.

CKT. NO.	TRIP/ POLES	LOAD SERVED		PHASE		LOAD SERVED		TRIP/ POLES	CKT. NO.
		ENTER - SHRT TERM 1	RECEPTACLE	8	A	3	RECEPTACLE		
1	15/1	ENTER - SHRT TERM 1	RECEPTACLE	8	A	3	RECEPTACLE	15/1	2
3	15/1	ENTER - SHRT TERM 2	ENTER - LONG TERM 1	8	B	8	ENTER - LONG TERM 1	15/1	4
5	15/1	EXIT - SHRT TERM 1	ENTER - LONG TERM 2	8	C	8	ENTER - LONG TERM 2	15/1	6
7	15/1	EXIT - SHRT TERM 2	SPACE	8	A		SPACE		8
9		SPACE	SPACE		B		SPACE		10
11		SPACE	SPACE		C		SPACE		12
13		SPACE	SPACE		B		SPACE		14
15		SPACE	SPACE		C		SPACE		16
17		SPACE	SPACE		A		SPACE		18
19		SPACE	SPACE		B		SPACE		20
21		SPACE	SPACE		C		SPACE		22
23		SPACE	SPACE		A		SPACE		24
25	60/3	MAIN BREAKER	SPACE		B		SPACE		26
27			SPACE		C		SPACE		28
L-N VOLTS		120							
L-L VOLTS		208		Ph A	=	19	AMPS		
3 Ph 4 W				Ph B	=	16	AMPS		
POLES		28		Ph C	=	16	AMPS		
BUS AMPS		100		125%	=	24	AMPS		
MCB AMPS		60		100%	=	7	KVA		
CB AIC		10 KA							
AVAIL FLT		5.2 KA						ENCLOSURE NEMA 4	

CKT. NO.	TRIP/ POLES	LOAD SERVED		PHASE		LOAD SERVED		TRIP/ POLES	CKT. NO.
		ENTER - LONG TERM 3	SPACE	8	A	SPACE			
1	15/1	ENTER - LONG TERM 3	SPACE	8	A		SPACE		2
3	15/1	ENTER - LONG TERM 4	SPACE	8	B		SPACE		4
5	15/1	EXIT - LONG TERM 1	SPACE	8	C		SPACE		6
7	15/1	EXIT - LONG TERM 2	SPACE	8	A		SPACE		8
9	15/1	RECEPTACLE	SPACE	3	B		SPACE		10
11			SPACE	3	C		SPACE		12
13		SPACE	SPACE		B		SPACE		14
15		SPACE	SPACE		C		SPACE		16
17		SPACE	SPACE		A		SPACE		18
19		SPACE	SPACE		B		SPACE		20
21		SPACE	SPACE		C		SPACE		22
23			SPACE		A		SPACE		24
25	60/3	MAIN BREAKER	SPACE		B		SPACE		26
27			SPACE		C		SPACE		28
L-N VOLTS		120							
L-L VOLTS		208		Ph A	=	16	AMPS		
3 Ph 4 W				Ph B	=	11	AMPS		
POLES		28		Ph C	=	11	AMPS		
BUS AMPS		100		125%	=	20	AMPS		
MCB AMPS		60		100%	=	6	KVA		
CB AIC		10 KA							
AVAIL FLT		3.9 KA						ENCLOSURE NEMA 4	

CKT. NO.	TRIP/ POLES	LOAD SERVED		PHASE		LOAD SERVED		TRIP/ POLES	CKT. NO.
		PP-1 SHORT TERM EV	RECEPTACLE	129	A	14	EV - LONG W 1		
1	150/3	PP-1 SHORT TERM EV	RECEPTACLE	129	A	14	EV - LONG W 1	20/2	2
3			RECEPTACLE	140	B	14			4
5			RECEPTACLE	129	C	14			6
7	60/3	PP-2 SHORT TERM GATE CNTRL	RECEPTACLE	19	A	14	EV - LONG W 2	20/2	8
9			RECEPTACLE	16	B	14			10
11			RECEPTACLE	16	C	14			12
13	125/3	PP-3 LONG TERM EV (EAST)	RECEPTACLE	90	A	14	EV - LONG W 3	20/2	14
15			RECEPTACLE	98	B	14			16
17			RECEPTACLE	98	C	14			18
19	60/3	PP-4 TERM GATE CNTRL	RECEPTACLE	16	A	14	EV - LONG W 4	20/2	20
21			RECEPTACLE	11	B	14			22
23			RECEPTACLE	11	C	14			24
25	20/1	PEDESTRIAN LIGHTS - WEST	RECEPTACLE	8	A	14	EV - LONG W 5	20/2	26
27	20/1	PEDESTRIAN LIGHTS - EAST	RECEPTACLE	5	B	14			28
29	20/1	PV CARPORT LIGHTS	RECEPTACLE	2	C	14			30
31	15/1	SECURITY FIBER BOX 1	RECEPTACLE	3	A	14	EV - LONG W 6	20/2	32
33			RECEPTACLE		B	14			34
35	20/2	EV - LONG W 10	RECEPTACLE	14	C	14	EV - LONG W 7	20/2	36
37			RECEPTACLE		A				38
39	60/3	SPD	MAIN		B		EV - LONG W 8	400/3	40
41			MAIN		C		EV - LONG W 9		42
L-N VOLTS		120							
L-L VOLTS		208		Ph A	=	349	AMPS		
3 Ph 4 W				Ph B	=	354	AMPS		
POLES		42		Ph C	=	354	AMPS		
BUS AMPS		400		125%	=	443	AMPS		
MCB AMPS		400		100%	=	128	KVA		
CB AIC		20 KA							
AVAIL FLT		16 KA						ENCLOSURE NEMA 4	

CKT. NO.	TRIP/ POLES	LOAD SERVED		PHASE		LOAD SERVED		TRIP/ POLES	CKT. NO.
		IRRIGATION CONTROLLER	RECEPTACLE	5	A	3	RECEPTACLE		
1	15/1	IRRIGATION CONTROLLER	RECEPTACLE	5	A	3	RECEPTACLE	15/1	2
3	15/1	IRRIGATION BACKFLOW PREVENTER HEATTRACE	RECYCLE YARD LIGHTS	5	B	4	RECYCLE YARD LIGHTS	15/1	4
5		SPACE	SPACE		A		SPACE		6
7		SPACE	SPACE		B		SPACE		8
9		SPACE	SPACE		A		SPACE		10
11		SPACE	SPACE		B		SPACE		12
13		SPACE	SPACE		A		SPACE		14
15		SPACE	SPACE				SPACE		16
17		SPACE	SPACE				SPACE		18
19		SPACE	SPACE		B		SPACE		20
21		SPACE	SPACE		A		SPACE		22
23		SPACE	SPACE		B		SPACE		24
25	30/2	SPD	MAIN		A		SPACE		26
27			MAIN		B		SPACE		28
L-N VOLTS		120							
L-L VOLTS		240		Ph A	=	8	AMPS		
1 Ph 3 W				Ph B	=	9	AMPS		
POLES		28							
BUS AMPS		100		125%	=	12	AMPS		
MCB AMPS		60		100%	=	4	KVA		
CB AIC		10 KA							
AVAIL FLT		9.2 KA						ENCLOSURE NEMA 4	

CKT. NO.	TRIP/ POLES	LOAD SERVED		PHASE		LOAD SERVED		TRIP/ POLES	CKT. NO.
		RECEPTACLE	SPACE	3	A	3	FIBER BOX 2		
1	20/1	RECEPTACLE	SPACE	3	A	3	FIBER BOX 2	15/1	2
3	20/2	EV - LONG E 1	SPACE	14	B		SPACE		4
5			SPACE	14	C	14			6
7	20/2	EV - LONG E 2	SPACE	14	A	14	EV - LONG E 6	20/2	8
9			SPACE	14	B	14			10
11	20/2	EV - LONG E 3	SPACE	14	C	14	EV - LONG E 7	20/2	12
13			SPACE	14	A	14	EV - LONG E 8	20/2	14
15	20/2	EV - LONG E 4	SPACE	14	B	14			16
17			SPACE	14	C	14			18
19	20/2	EV - LONG E 5	SPACE	14	A	14	EV - LONG E 9	20/2	20
21			SPACE	14	B	14	EV - LONG E 10	20/2	22
23		SPACE	SPACE		C	14			24
25		SPACE	SPACE		A		SPACE		26
27		SPACE	SPACE		C		SPACE		28
29		SPACE	SPACE		A		SPACE		30
31		SPACE	SPACE		B		SPACE		32
33		SPACE	SPACE		C		SPACE		34
35			SPACE		A				36
37	125/3	MAIN BREAKER	SPACE		B		SPACE		38
39			SPACE		C				40
L-N VOLTS		120							
L-L VOLTS		208		Ph A	=	90	AMPS		
3 Ph 4 W				Ph B	=	98	AMPS		
POLES		40		Ph C	=	98	AMPS		
BUS AMPS		150		125%	=	123	AMPS		
MCB AMPS		125		100%	=	36	KVA		
CB AIC		10 KA							
AVAIL FLT		5.9 KA						ENCLOSURE NEMA 4	

MOLZENCORBIN

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 PAYMENT WITHIN 45 DAYS AFTER SUBMISSION
 OF AN UNDISPUTED REQUEST FOR PAYMENT

NUMERIC SCALE CONFIRMATION
 DRAWINGS ARE DEPICTED AT INTENDED
 NUMERIC SCALES
 IF THIS BAR EQUALS ONE INCH



REV. NO.	REV. DATE	DESCRIPTION
PROJECT NUMBER:	SAF182-14	DG
DESIGNED BY:	AR	AR
DRAWN BY:	DC	DC
CHECKED BY:	KENT FREER	KENT FREER
PRIME DESIGN PROFESSIONAL:	KENT FREER	KENT FREER
PROJECT DATE:	AUGUST, 2021	

**PARKING LOT
 ELECTRICAL CONDUIT SCHEDULES**

**PARKING LOT RECONSTRUCTION
 SANTA FE REGIONAL AIRPORT (SAF)
 SANTA FE, NEW MEXICO**

E-603
 SHEET

CONDUIT SCHEDULE					
CONDUIT	CONDUIT SIZE	CONDUCTOR	FROM	TO	NOTES
A1	3"	PULL CHORD (EACH)	PV CARPORT PULL BOX	TRANSFORMER SERVICE YARD	OWNER TO PULL PV CONDUCTORS
A2	3"	PULL CHORD (EACH)	PV CARPORT PULL BOX	TRANSFORMER SERVICE YARD	OWNER TO PULL PV CONDUCTORS
B1	2"	2x FO SINGLE MODE 16 STRAND	NEW IT SERVICE ROOM	PARKING LOT, VARIOUS LOCATIONS	INSTALL FIBER TO ETHERNET CONVERTS AT EACH GATE CONTROLLER AND FIBER PATCH PANEL.
B2	2"	PULL CHORD	NEW IT SERVICE ROOM	PARKING LOT, VARIOUS LOCATIONS	SPARE
C1	2"	3 - #4H, #4N, #8G	MDP-1	PP-2	SHORT TERM GATE POWER CONTROLS - 208V
C2	2"	PULL CHORD	MDP-1	PP-2	SPARE
D1	4"	3 - 300KCM(H), #300KCM(N), #2G	MDP-1	PP-1	SHORT TERM - EV CHARGING - 208V
D2	4"	PULL CHORD	MDP-1	PP-1	SPARE
E1	3"	3 - #3/0(H), #3/0(N), #4G	MDP-1	PP-3	LONG TERM - EV CHARGING - 208V
E2	3"	PULL CHORD	MDP-1	PP-3	SPARE
F1	2"	3 - #1/0(H), #1/0(N), #6G	MDP-1	PP-4	LONG TERM GATE POWER CONTROLS - 208V
F2	2"	PULL CHORD	MDP-1	PP-4	SPARE
G1	2"	#10H, #10N, #10G	MDP-1	PV CARPORT	PV CARPORT LIGHTING - 120V
G2	2"	FO SINGLE MODE 4 STRAND	MDP-1	PV CARPORT	PV CARPORT COMMUNICATION
H1	1"	#10H, #10N, #10G	MDP-2	VARIOUS	LIGHTING AND IRRIGATION
H2	1"	PULL CHORD	MDP-2	VARIOUS	SPARE
J1-1	4"	PULL CHORD	NEW IT SERVICE ROOM	FIBER BOX (MAIN)	FOR SECURITY SYSTEM (SECURITY INSTALL BY OWNER)
J1-2	4"	PULL CHORD	NEW IT SERVICE ROOM	FIBER BOX (MAIN)	FOR SECURITY SYSTEM (SECURITY INSTALL BY OWNER)
J2-1	2"	PULL CHORD	FIBER BOX (MAIN)	FIBER BOX 1	FOR SECURITY SYSTEM (SECURITY INSTALL BY OWNER)
J2-2	2"	PULL CHORD	FIBER BOX (MAIN)	FIBER BOX 2	FOR SECURITY SYSTEM (SECURITY INSTALL BY OWNER)
J2-3	2"	PULL CHORD	FIBER BOX (MAIN)	FIBER BOX 3	FOR SECURITY SYSTEM (SECURITY INSTALL BY OWNER)
J2-4	2"	PULL CHORD	FIBER BOX (MAIN)	FIBER BOX 4	FOR SECURITY SYSTEM (SECURITY INSTALL BY OWNER)
J3-1	1"	PULL CHORD	PP-1	FIBER BOX (MAIN) POWER	FOR SECURITY SYSTEM (SECURITY INSTALL BY OWNER)
J3-2	1"	PULL CHORD	MDP-1	FIBER BOX 1	FOR SECURITY SYSTEM (SECURITY INSTALL BY OWNER)
J3-3	1"	PULL CHORD	PP-3	FIBER BOX 2 AND FIBER BOX 3	FOR SECURITY SYSTEM (SECURITY INSTALL BY OWNER)
J3-4	1"	PULL CHORD	PP-4	FIBER BOX 4	FOR SECURITY SYSTEM (SECURITY INSTALL BY OWNER)
K1	1 1/2"	2 - #6 THWN, #8G	MDP-1	WEST PEDESTRIAN LIGHTS	23 FIXTURES
K2	1"	2 - #8 THWN, #8G	MDP-1	EAST PEDESTRIAN LIGHTS	9 FIXTURES
K3	3/4"	2 - #10 THWN, #10G	MDP-1	ENTRY SIGNAGE AND PLANE	10 FIXTURES
EV1	4"	4 - 1" INNERDUCTS	PP-1	EV CHARGERS PULL BOX EMPLOYEE PARKING	EV1 INCLUDES EV1-1, EV1-2, EV1-3, EV1-4 BY WAY OF THE 1" INNERDUCTS
EV1-1	1"	2-#8, #8G	PP-1	EV CHARGER	EMPLOYEE PARKING 1
EV1-2	1"	2-#8, #8G	PP-1	EV CHARGER	EMPLOYEE PARKING 2
EV1-3	1"	PULL CHORD	PP-1	EV CHARGER	EMP 1 & 2 AND SHRT 7 & 8
EV1-4	1"	PULL CHORD	PP-1	EV CHARGER	EMP 1 & 2 AND SHRT 7 & 8
EV2	4"	PULL CHORD	PP-1	EV CHARGERS PULL BOX EMPLOYEE PARKING	SPARE
EV3	4"	5 - 3/4" INNERDUCTS	PP-1	EV CHARGERS PULL BOX SHORT TERM PARKING	EV3 INCLUDES EV3-1, EV3-2, EV3-3, EV3-4, EV3-5 BY WAY OF THE 3/4" INNERDUCTS
EV3-1	3/4"	PULL CHORD	PP-1	EV CHARGER	SHORT TERM 1
EV3-2	3/4"	PULL CHORD	PP-1	EV CHARGER	SHORT TERM 2
EV3-3	3/4"	PULL CHORD	PP-1	EV CHARGER	SHORT TERM 3
EV3-4	3/4"	PULL CHORD	PP-1	EV CHARGER	SHORT TERM 4
EV3-5	3/4"	PULL CHORD	PP-1	EV CHARGER	SHORT TERM 5
EV4	4"	PULL CHORD	PP-1	EV CHARGERS PULL BOX SHORT TERM PARKING	SPARE
EV4-1	3/4"	PULL CHORD	PP-1	EV CHARGER	SHORT TERM 6
EV5-1	3/4"	PULL CHORD	PP-1	EV CHARGER	SHORT TERM 7
EV5-2	3/4"	PULL CHORD	PP-1	EV CHARGER	SHORT TERM 8
EV5-3	3/4"	PULL CHORD	PP-1	EV CHARGER	SHORT TERM 9
EV5-4	3/4"	PULL CHORD	PP-1	EV CHARGER	SHORT TERM 10
EV5-5	3/4"	PULL CHORD	PP-1	EV CHARGER	SHORT TERM 10
EV5-6	3/4"	PULL CHORD	PP-1	EV CHARGER	SHORT TERM 10
EV6	4"	5 - 3/4" INNERDUCTS	MDP-1	EV CHARGERS PULL BOX LONG TERM PARKING WEST	EV6 INCLUDES EV6-1, EV6-2, EV6-3, EV6-4, EV6-5 BY WAY OF THE 3/4" INNERDUCTS
EV6-1	3/4"	PULL CHORD	MDP-1	EV CHARGER	LONG TERM WEST 1
EV6-2	3/4"	PULL CHORD	MDP-1	EV CHARGER	LONG TERM WEST 2
EV6-3	3/4"	PULL CHORD	MDP-1	EV CHARGER	LONG TERM WEST 3
EV6-4	3/4"	PULL CHORD	MDP-1	EV CHARGER	LONG TERM WEST 4
EV6-5	3/4"	PULL CHORD	MDP-1	EV CHARGER	LONG TERM WEST 5
EV7	4"	5 - 3/4" INNERDUCTS	MDP-1	EV CHARGERS PULL BOX LONG TERM PARKING WEST	EV7 INCLUDES EV7-1, EV7-2, EV7-3, EV7-4, EV7-5 BY WAY OF THE 3/4" INNERDUCTS
EV7-1	3/4"	PULL CHORD	MDP-1	EV CHARGER	LONG TERM WEST 6
EV7-2	3/4"	PULL CHORD	MDP-1	EV CHARGER	LONG TERM WEST 7
EV7-3	3/4"	PULL CHORD	MDP-1	EV CHARGER	LONG TERM WEST 8
EV7-4	3/4"	PULL CHORD	MDP-1	EV CHARGER	LONG TERM WEST 9
EV7-5	3/4"	PULL CHORD	MDP-1	EV CHARGER	LONG TERM WEST 10
EV8	4"	PULL CHORD	MDP-1	EV CHARGERS PULL BOX LONG TERM PARKING WEST	SPARE
EV8-1	3/4"	PULL CHORD	EV CHARGERS PULL BOX LONG TERM PARKING WEST	EV CHARGER	LONG TERM WEST 1

GENERAL NOTES:

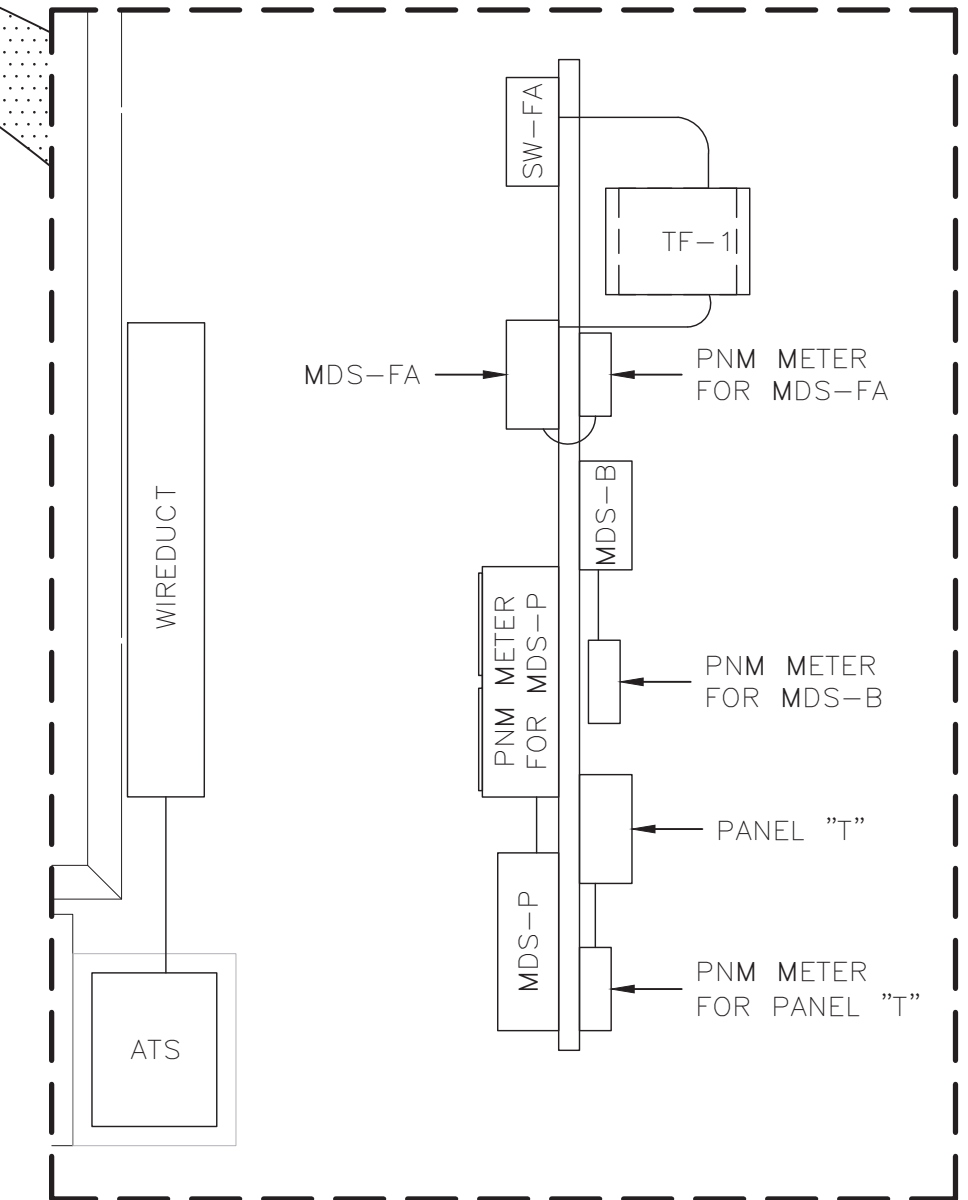
- LABEL EACH CONDUIT OR INNERDUCT AS REFERENCED IN THE CONDUIT SCHEDULES. LABEL AT EACH DISTRIBUTION PANEL AND PULL BOX TO CLEARLY IDENTIFY EACH CONDUIT OR INNERDUCT.
- LABEL EACH PULL STRING WITH THE CONDUIT REFERENCE NAME AT EACH END.
- CONDUITS FOR THE COMPLETE GATE CONTROLS SYSTEM ARE NOT LISTED IN THE CONDUIT SCHEDULES. REFER TO GATE CONTROLS MANUFACTURER FOR EQUIPMENT LAYOUTS, CONDUITS, CONDUCTORS, AND COMMUNICATION REQUIREMENTS.
- IN EACH PULL BOX, PROVIDE A SERVICE LOOP OF EACH CONDUCTOR AT MINIMUM 1FT DIAMETER.
- USE LONG RADIUS SWEEPS ON ALL FIBER CONDUITS.
- REFER TO SHEETS E-102 THROUGH E-104 FOR SERVICE CONDUIT LAYOUT REFERENCES.
- REFER TO SHEETS E-105 THROUGH E-107 FOR POWER DISTRIBUTION CONDUIT LAYOUT REFERENCES.
- REFER TO SHEETS E-108 THROUGH E-1010 FOR LIGHTING CONDUIT LAYOUT REFERENCES.
- REFER TO SHEETS E-301 FOR EV CHARGING STATIONS CONDUIT LAYOUT REFERENCES.

KEYED NOTES (#)

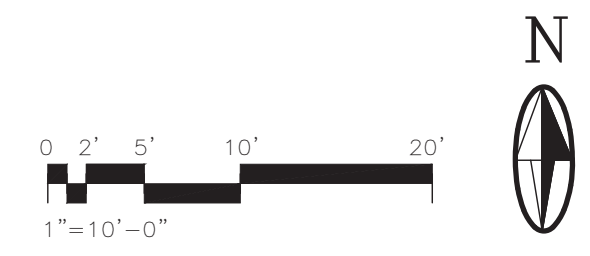
- THE CONDUCTORS INSIDE THE INDIVIDUAL EV CONDUITS TRANSITION TO INNERDUCT AT THE PULL BOXES. REFER TO SITE PLANS E-301 FOR DETAILS.

CONDUIT SCHEDULE (CONTINUED)					
CONDUIT	CONDUIT SIZE	CONDUCTOR	FROM	TO	NOTES
EV9	4"	5 - 3/4" INNERDUCTS	PP-3	EV CHARGERS PULL BOX LONG TERM PARKING EAST	EV9 INCLUDES EV9-1, EV9-2, EV9-3, EV9-4, EV9-5 BY WAY OF THE 3/4" INNERDUCTS
EV9-1	3/4"	PULL CHORD	PP-3	EV CHARGER	LONG TERM EAST 1
EV9-2	3/4"	PULL CHORD	PP-3	EV CHARGER	LONG TERM EAST 2
EV9-3	3/4"	PULL CHORD	PP-3	EV CHARGER	LONG TERM EAST 3
EV9-4	3/4"	PULL CHORD	PP-3	EV CHARGER	LONG TERM EAST 4
EV9-5	3/4"	PULL CHORD	PP-3	EV CHARGER	LONG TERM EAST 5
EV10	4"	5 - 3/4" INNERDUCTS	PP-3	EV CHARGERS PULL BOX LONG TERM PARKING EAST	EV10 INCLUDES EV10-1, EV10-2, EV10-3, EV10-4, EV10-5 BY WAY OF THE 3/4" INNERDUCTS
EV10-1	3/4"	PULL CHORD	PP-3	EV CHARGER	LONG TERM EAST 6
EV10-2	3/4"	PULL CHORD	PP-3	EV CHARGER	LONG TERM EAST 7
EV10-3	3/4"	PULL CHORD	PP-3	EV CHARGER	LONG TERM EAST 8
EV10-4	3/4"	PULL CHORD	PP-3	EV CHARGER	LONG TERM EAST 9
EV10-5	3/4"	PULL CHORD	PP-3	EV CHARGER	LONG TERM EAST 10
EV11	4"	PULL CHORD	PP-3	EV CHARGERS PULL BOX LONG TERM PARKING EAST	SPARE
EV11-1	3/4"	PULL CHORD	EV CHARGERS PULL BOX LONG TERM PARKING EAST	EV CHARGER	LONG TERM EAST 1
S1	4"	PULL CHORD	POLE RISER	TERMINAL TRANSFORMER	400A SERVICE - COORDINATE WITH PNM
S2	4"	3 - 500KCM, 500KCM(N)	MDP-1	PARKING LOT TRANSFORMER	400A SERVICE
S3	4"	PULL CHORD	PARKING LOT TRANSFER	POLE RISER	COORDINATE WITH PNM
S4	4"	PULL CHORD	MDP-2	POLE RISER	100A SERVICE - COORDINATE WITH PNM
T1-1	4"	PULL CHORD	NEW COMM PULL BOX	TERMINAL COMM PULL BOX	COORDINATE WITH CENTURYLINK FOR FIBER PULL
T1-2	4"	PULL CHORD	NEW COMM PULL BOX	TERMINAL COMM PULL BOX	COORDINATE WITH CENTURYLINK FOR FIBER PULL

SAVE DATE: 8/22/2021 11:52 AM
 SAVE DATE: 8/22/2021 8:57 AM
 I:\SANTA FE\SAP182-13B TERMINAL 2020\WIP\EP-ED-001



SITE DEMOLITION PLAN
 SCALE: 1"=10'-0"



GENERAL NOTES

1. REFER TO ONE-LINE DIAGRAM ON ED-601 FOR ADDITIONAL DEMOLITION DETAILS.

KEYED NOTES (#)

1. EXISTING UNDERGROUND CONCRETE ENCASED 4" PVC CONDUIT FROM PNM RISER POLE TO PNM 12470-120/208V TRANSFORMER. CONDUIT TO BE ABANDONED IN PLACE. CONDUCTORS TO BE PULLED BACK TO SOURCE. REFER TO EP-001 FOR ADDITIONAL DETAILS.
2. PNM TRANSFORMER TO BE REMOVED AFTER NEW PNM TRANSFORMER INSTALLED IN SERVICE YARD. COORDINATE WITH PNM FOR REMOVAL.
3. REMOVE EXISTING ELECTRICAL POWER EQUIPMENT FROM THIS LOCATION. REFER TO EP-001, EP-112, AND EP-113 FOR EQUIPMENT NEW LOCATION. DEMOLISH/ABANDON IN PLACE CONNECTING CONDUITS.
4. DISCONNECT EXISTING POWER PANEL FROM POWER SOURCE. PULL ALL CONDUCTORS BACK TO SOURCE AND REMOVE ATTACHED CONDUITS. REMOVE PANEL AND RETURN TO OWNER. SEAL ALL WALL PENETRATIONS.

MOLZENCORBIN

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NOTICE OF EXTENDED PAYMENT PROVISION:
 THIS CONTRACT ALLOWS THE OWNER TO MAKE
 PAYMENT WITHIN 45 DAYS AFTER SUBMISSION
 OF AN UNDISPUTED REQUEST FOR PAYMENT

NUMERIC SCALE CONFIRMATION
 DRAWINGS ARE DEPICTED AT INTENDED
 NUMERIC SCALES
 IF THIS BAR EQUALS ONE INCH



REV. NO.	REV. DATE	DESCRIPTION

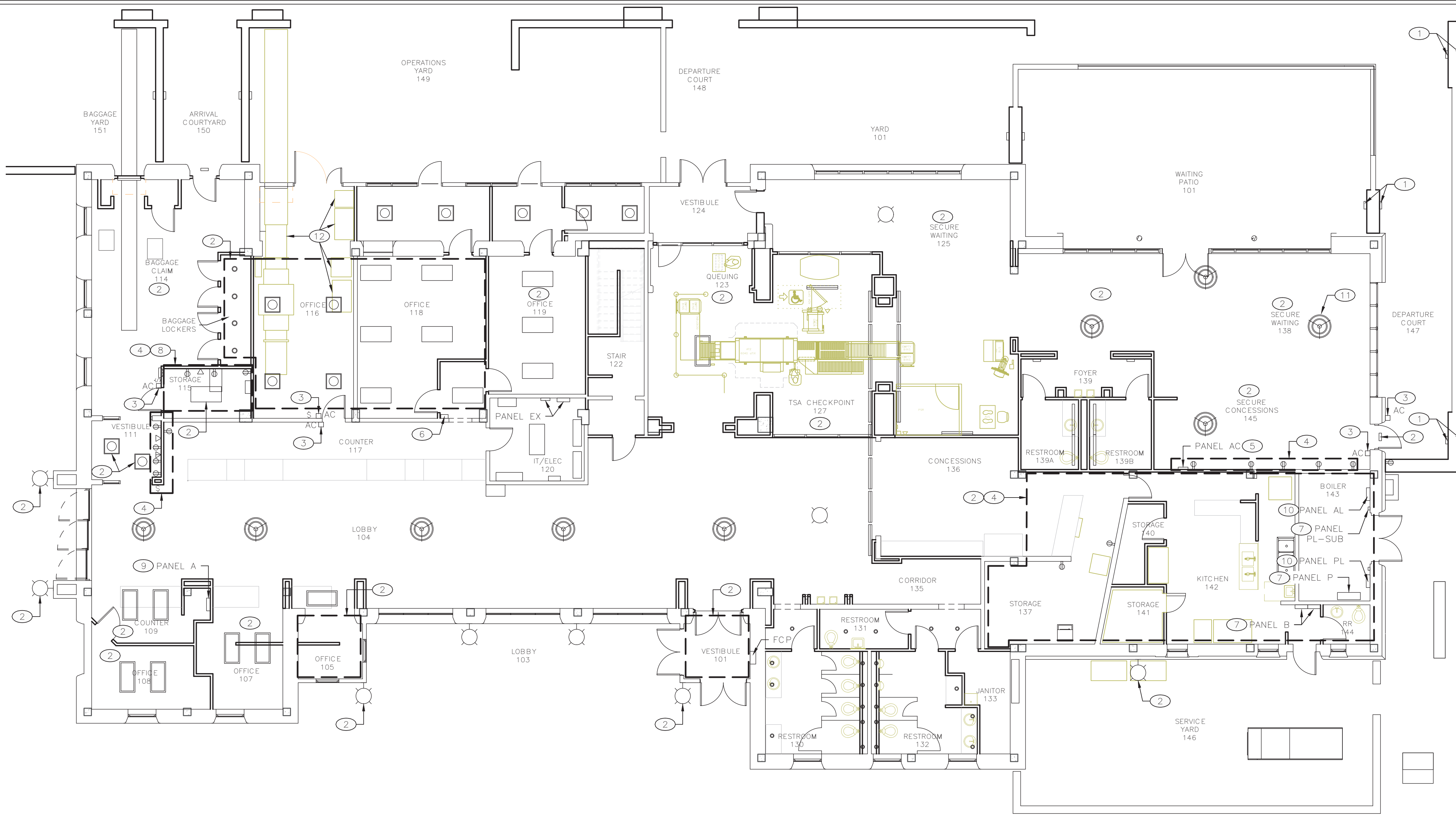
PROJECT NUMBER:	SAF182-13B
DESIGNED BY:	NW
DRAWN BY:	NW
CHECKED BY:	DC
PRIME DESIGN PROFESSIONAL:	JOHN. O. PATE
PROJECT DATE:	AUGUST, 2021

**ELECTRICAL
 SITE
 DEMOLITION PLAN**

**SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
 SANTA FE REGIONAL AIRPORT
 121 AVIATION DR. SANTA FE NM 87507**

ED-001

SHEET



MAIN TERMINAL DEMOLITION PLAN
SCALE: 1/8"=1'-0"



KEYED NOTES #

1. REMOVE LIGHTING FIXTURE FROM THIS LOCATION AND INSTALL IN THE WALL OF NORTH EXPANSION BUILDING. REFER TO EL-112 FOR NEW FIXTURE LOCATION.
2. REMOVE LIGHT FIXTURES FROM THIS AREA; RETURN FIXTURES TO OWNER. CONNECTION CONDUITS AND CONDUCTORS TO BE DEMOLISHED. REMAINING LIGHTS TO BE RECONNECTED TO EXISTING SOURCE.
3. REMOVE ACCESS CONTROL DEVICE AND ASSOCIATED JUNCTION BOX FROM THIS LOCATION AND RETURN TO OWNER; PULL CABLE BACK TO SOURCE.
4. REMOVE EXISTING ELECTRICAL AND DATA EQUIPMENT FROM AREA OF DEMOLITION. PULL DATA CABLES BACK TO SOURCE.
5. REMOVE POWER PANEL FROM THIS LOCATION. REMOVE CONNECTED DEVICES, CONDUITS, AND CONDUCTORS.
6. REMOVE AND DISPOSE HEATER POWER DISTRIBUTION PANEL.
7. REMOVE AND DISPOSE EXISTING POWER PANEL.
8. RELOCATE IT EQUIPMENT FROM AREA OF DEMOLITION. REFER TO EP-112 FOR IT EQUIPMENT NEW LOCATION.
9. PANEL A TO REMAIN IN PLACE. CONTRACTOR TO IDENTIFY ALL EXISTING LOADS AND PROVIDE UPDATED PRINTED PANEL SCHEDULE.
10. RELOCATE PANEL INTO NEW IT/ELEC ROOM IN NORTH EXPANSION. REFER TO EP-112 FOR NEW LOCATION.
11. EXISTING PENDANT LIGHT FIXTURE TO BE RELOCATED. REFER TO LIGHTING PLAN EL-111.
12. CONVEYOR TO BE RELOCATED INTO REMODELED ROOM 114. REFER TO EP-111 FOR NEW LOCATION.

GENERAL NOTES

- A. IN EFFECTED DEMOLITION AREAS, PULL DATA CABLES BACK TO I.T. ROOM/PATCH PANEL (IT/ELEC 120).
- B. REMOVE CONDUCTORS FOR RECEPTACLES BACK TO LAST DEVICE OUTSIDE THE EFFECTED AREA(S). RECEPTACLES ARE NOT SHOWN.
- C. COORDINATE WITH TSA BEFORE PERFORMING ANY DEMOLITION IN THE TSA AREA. TSA EQUIPMENT (NOT SHOWN ON THE DRAWING) TO BE MOVED INTO NEW BAGGAGE CLAIM BUILDING. SEE DRAWING EP-001.
- D. REMOVE EXISTING EXTERIOR FLOOD LIGHT FIXTURE FROM THE BUILDING AND TOWER OBSERVATION DECK. NOT SHOWN ON THE DRAWING. CONDUITS AND CONDUCTORS TO BE REUSED WITH NEWLY INSTALLED FLOOD LIGHTS IF POSSIBLE.
- E. IN EFFECTED DEMOLITION AREAS, PULL LIGHT CIRCUITS BACK TO SOURCE. NOT ALL LIGHTS ARE SHOWN.

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NUMERIC SCALE CONFIRMATION
DRAWINGS ARE DEPICTED AT INTENDED
NUMERIC SCALES
IF THIS BAR EQUALS ONE INCH



REV. NO.	REV. DATE	DESCRIPTION

PROJECT NUMBER:	SAFT182-13B
DESIGNED BY:	NW
DRAWN BY:	NW
CHECKED BY:	DG
PRIME DESIGN PROFESSIONAL:	JOHN Q. PATE
PROJECT DATE:	AUGUST, 2021

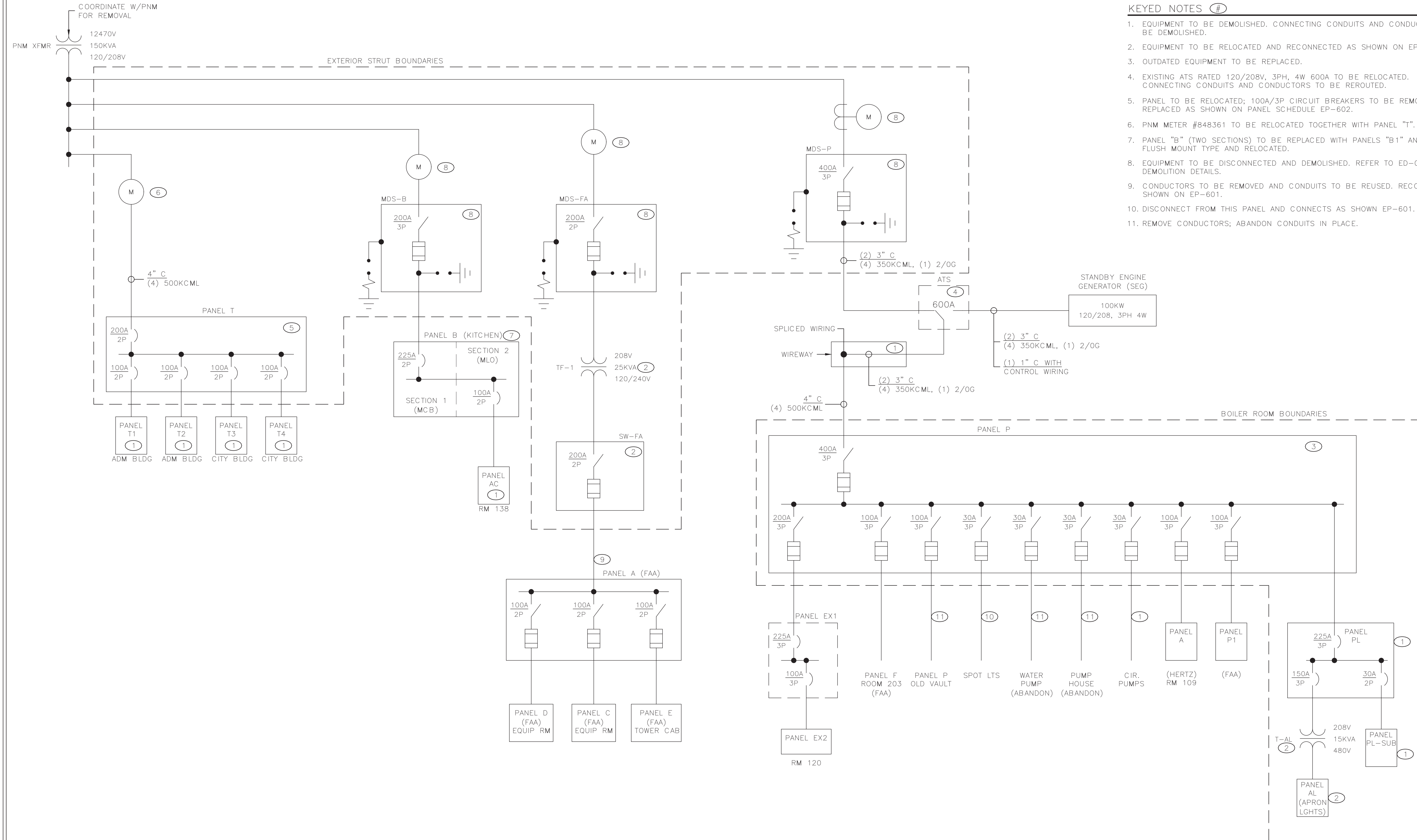
**ELECTRICAL
MAIN TERMINAL
DEMOLITION PLAN**

**SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
SANTA FE REGIONAL AIRPORT
121 AVIATION DR. SANTA FE NM 87507**

ED-111

SHEET

DATE PLOTTED: 8/22/2021 11:52 AM
SAVE DATE: 8/22/2021 8:43 AM
I:\SANTA FE\SAFT182-13B_TERMINAL_2020\WIP\EP-ED-111



EXISTING ONE-LINE DIAGRAM
SCALE: NONE

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NUMERIC SCALE CONFIRMATION
DRAWINGS ARE DEPICTED AT INTENDED
NUMERIC SCALES
IF THIS BAR EQUALS ONE INCH



REV. NO.	REV. DATE	DESCRIPTION

PROJECT NUMBER: SAF1R2-13B
DESIGNED BY: NW
DRAWN BY: NW
CHECKED BY: DG
PRIME DESIGN PROFESSIONAL: JOHN O. PATE
PROJECT DATE: AUGUST, 2021

ELECTRICAL
EXISTING
ONE-LINE DIAGRAM

SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
SANTA FE REGIONAL AIRPORT
121 AVIATION DR. SANTA FE NM 87507

ED-601
SHEET

DATE: 8/22/2021 10:52 AM
SAVE DATE: 8/22/2021 8:42 AM
I:\SANTA FE\SAF1R2-13B TERMINAL 2020\WMS\ESP-ID-601

MOLZENCORBIN

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NUMERIC SCALE CONFIRMATION
DRAWINGS ARE DEPICTED AT INTENDED
NUMERIC SCALES
IF THIS BAR EQUALS ONE INCH



REV. NO.	REV. DATE	DESCRIPTION

PROJECT NUMBER:	SAFT182-13B
DESIGNED BY:	NW
DRAWN BY:	NW
CHECKED BY:	DG
PRIME DESIGN PROFESSIONAL:	JOHN Q. PAPE
PROJECT DATE:	AUGUST, 2021

ELECTRICAL
EXISTING
PANEL SCHEDULES

SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
SANTA FE REGIONAL AIRPORT
121 AVIATION DR. SANTA FE NM 87507

ED-602

SHEET

EXISTING PANEL "T" * 200A MAIN, 120/208V 3PH 4W

CKT NO.	TRIP/POLES	LOAD SERVED	PHASE	LOAD SEVED	TRIP POLES	CKT NO.
1	100/2	ADMIN-TRAILER-PANEL-T1	A	CITY-TRAILER-PANEL-T3	100/2	2
3			B			4
5	100/2	ADMIN-TRAILER-PANEL-T2	C	CITY-TRAILER-PANEL-T4	100/2	6
7			A			8
9		SPACE	B	SPACE		10
11		SPACE	C	SPACE		12
13		SPACE	A	SPACE		14
15		SPACE	B	SPACE		16
17		SPACE	C	SPACE		18
19		SPACE	A	SPACE		20
21		SPACE	B	SPACE		22
23		SPACE	C	SPACE		24
25		SPACE	A	SPACE		26
27		SPACE	B	SPACE		28
29		SPACE	C	SPACE		30
31		SPACE	A	SPACE		32
33		SPACE	B	SPACE		34
35		SPACE	C	SPACE		36
37		SPACE	A	SPACE		38
39		SPACE	B	SPACE		40
41		SPACE	C	SPACE		42

NOTE: * - TO BE RELOCATED AND REUSED. EXISTING LOCATION: EXTERIOR RACK.
POWERED FROM PNM XFMR.

EXISTING PANEL "B-SECTION 2" 250A MLO, 120/208V 3PH 4W

CKT NO.	TRIP/POLES	LOAD SERVED	PHASE	LOAD SEVED	TRIP POLES	CKT NO.
43	100/2	SUB-PANEL "AC"	A	EXST LOAD	20/1	44
45			B	RCPT-COUNTER-KITCHEN	20/1	46
47	20/1	SPARE CB	C	EXST LOAD	20/1	48
49	20/1	WALK-IN-COOLER	A	EXST LOAD	20/1	50
51	20/1	WALK-IN-COOLER	B	A/C	20/1	52
53	20/1	WALK-IN-COOLER	C	EXST LOAD	20/1	54
55	20/1	VENDING-MACHINE	A	RCPT-IN-KITCHEN	20/1	56
57	20/1	VENDING-MACHINE	B	EXST LOAD	20/1	58
59	20/1	SPARE CB	C	EXST LOAD	20/1	60
61	30/2	SPARE CB	A	RCPT-DINING-MID-EAST-WALL	20/1	62
63			B	SPARE CB	20/1	64
65	20/1	SPARE CB	C	EXST LOAD	20/1	66
67	20/1	SPARE CB	A	SPARE CB	20/1	68
69	20/1	SPARE CB	B	SPARE CB	20/1	70
71	20/1	SPARE CB	C	A/C	20/1	72
73	20/1	SPARE CB	A	SPARE CB	20/1	74
75	20/1	SPARE CB	B	SPARE CB	20/1	76
77	20/1	SPARE CB	C	SPARE CB	20/1	78
79	20/1	SPARE CB	A	SPARE CB	20/1	80
81	20/1	SPARE CB	B	SPARE CB	20/1	82
83	20/1	SPARE CB	C	SPARE CB	20/1	84

NOTE: * - TO BE REMOVED. LOADS TO BE RELOCATED. EXISTING LOCATION: ROOM 142.
POWERED FROM PANEL "B" SECTION 1

EXISTING PANEL "B-SECTION 1" 250A BUS, 225A MAIN, 120/208V 3PH 4W

CKT NO.	TRIP/POLES	LOAD SERVED	PHASE	LOAD SEVED	TRIP POLES	CKT NO.
1	20/1	LIGHTS-PANTRY	A	SPARE CB	20/1	2
3	20/1	EXST LOAD	B	EXST LOAD	20/1	4
5	20/1	EXST LOAD	C	LIGHTS-KITCHEN	20/1	6
7	20/1	EXST LOAD	A	RCPT OFFICE	20/1	8
9	20/1	EXST LOAD	B	RCPT-SODA-FRIDGE	20/1	10
11	20/1	EXST LOAD	C	RCPT-UNDER-BAR	20/1	12
13	20/1	EXST LOAD	A	EXST LOAD	20/1	14
15	20/1	EXST LOAD	B	EXST LOAD	20/1	16
17	20/1	SPARE CB	C	WATER FOUNTAIN	20/1	18
19	20/1	SPARE CB	A	RCPT CONCESSIONS REST ROOM	20/1	20
21	20/1	EXST LOAD	B	RCPT ENTRY REST ROOM	20/1	22
23	20/1	SPARE CB	C	HAND DRYER MEN RR	20/1	24
25	20/1	EXST LOAD	A	HAND DRYER WOMEN RR	20/1	26
27	20/1	SPARE CB	B	RCPT DINING NW, NE, EAST WALL	20/1	28
29	20/1	COUNTER-KITCHEN	C	EXST LOAD	20/1	30
31	20/1	RCPT-DINING-W-WALL-NORTH	A	EXST LOAD	20/1	32
33	20/1	RCPT-DINING-W-WALL-SOUTH	B	EXST LOAD	20/1	34
35	20/1	SPARE CB	C	SPARE CB	20/1	36
37	20/1	FRIDGE	A	SPARE CB	20/1	38
39	40/2	DRYER	B	SPARE CB	20/1	40
41			C	SPARE CB	20/1	42

NOTE: * - TO BE REPLACED. EXISTING LOCATION: ROOM 142.
POWERED FROM PNM XFMR VIA MDS-B.

EXISTING PANEL "P" * 400A MAIN

SPACE	DS AMP /POLES	LOAD SERVED	LOCATION
1	200/3	PANEL EX	RM 120
2	100/3	PANEL F (FAA) VIA GENERATOR	RM 203
3	100/3	PANEL P VAULT	VAULT
4	30/3	SPOT LIGHTS	
5	30/3	WATER-PUMP (ABANDON)	
6	30/3	PUMP-HOUSE (ABANDON)	
7	30/3	CIRCULATION-PUMPS	
8	100/3	PANEL A	RM 109
9	100/3	PANEL P1 (FAA)	

PANEL PL POWERED FROM PANEL P BUS
NOTE: * - TO BE REMOVED/REPLACED. EXISTING LOCATION: BOILER ROOM.
POWERED FROM PNM XFMR VIA MDS-P.

EXISTING PANEL "A" (FAA) MLO, 120/240V 1PH 3W

SPACE	DS AMP /POLES	LOAD SERVED	LOCATION
1	100/3	PANEL D	FAA EQPM RM
2	100/3	PANEL C	FAA EQPM RM
3	100/3	PANEL E	TOWER CAB

NOTE: * - TO REMAIN IN PLACE. EXISTING LOCATION: SECOND FLOOR.
POWERED FROM XFMR TF-1

EXISTING PANEL "T1" * 100 MAIN, 120/208V 3PH 4W

CKT NO.	TRIP/POLES	LOAD SERVED	PHASE	LOAD SEVED	TRIP POLES	CKT NO.
1	60/2	BUILDING ACU1 POWER	A	SPACE		2
3			B	EXISTING LOAD	20/1	4
5			A	EXISTING LOAD	20/1	6
7			B	SPACE		8
9			A	SPACE		10
11			B	SPACE		12

NOTE: * - TO BE REMOVED. EXISTING LOCATION: ADMIN BUILDING EXTERIOR
POWERED FROM PANEL "T"

EXISTING PANEL "AC" * MLO, 120/208V 3PH 4W

CKT NO.	TRIP/POLES	LOAD SERVED	PHASE	LOAD SEVED	TRIP POLES	CKT NO.
1	20/1	OUTLET-1	A	OUTLET-2	20/1	2
3	20/1	OUTLET-3	B	OUTLET-4	20/1	4
5	20/1	TRACK LIGHTS	C	TRACK LIGHTS	20/1	6
7	20/1	DISH WASHER	A	SPACE		8
9		SPACE	B	SPACE		10
11		SPACE	C	SPACE		12

NOTE: * - TO BE REMOVED. EXISTING LOCATION: ROOM 138.
POWERED FROM PANEL "B"

EXISTING PANEL "A" 200A MLO, 120/208V 3PH 4W

CKT NO.	TRIP/POLES	LOAD SERVED	PHASE	LOAD SEVED	TRIP POLES	CKT NO.
1	20/1	CONCORSE LIGHTS	A	HAND DRYER GFI RCPT - MEN	20/1	2
3	20/1	LOBBY LIGHTS	B	HAND DRYER GFI RCPT - WOMEN	20/1	4
5	20/1	BATH RM/ LIGHT RCPT	C	FACP	20/1	6
7	20/1	OFFICE LIGHT	A	ANGIE/BACK LIGHTS	20/1	8
9	20/1	SOFFIT LIGHT	B	BAGGAGE CLAIM PLUGS MID WALL	20/1	10
11	20/1	TERMINAL COUNTER	C	BAGGAGE CLAIM LIGHT	20/1	12
13	20/1	BAGGAGE CLAIM S. WALL RCPT	A	OFFICE RCPT	20/1	14
15	20/1	COUNTER RCPT	B	LOBBY RCPT	20/1	16
17	20/1	MNG PORTAL	C	OFFICE RCPT	20/1	18
19	20/1	EXTERIOR LIGHTS	A	CONCORSE RCPT	20/1	20
21	20/1	RUNWAY PORCH LIGHTS	B	PA SYSTEM	20/1	22
23	20/1	EXIT LIGHT	C	A/C-UNIT-2-AIRPORT-MNG	20/1	24
25	20/1	FAA OFFICE	A	A/C-UNIT-1-RESTAURANT	20/1	26
27	20/1	COUNTER RCPT	B	VENDING	20/1	28
29	20/1	A/C-UNIT-3-LOBBY	C	VENDING	20/1	30
31	20/1	HERTZ RENTAL	A	VENDING-HEATER	15/1	32
33	20/1	COUNTER RCPT GFI MESA	B	AVIS CAR RENTAL	15/1	34
35	20/1	ABOVE COUNTER RCPT MESA	C	EAGLE OFFICE	20/1	36
37	20/1		A		20/1	38
39	20/1		B		20/2	40
41		SPACE	C	A/C	20/2	42

NOTE: * - TO REMAIN IN PLACE. EXISTING LOCATION: ROOM 109.
POWERED FROM PANEL "P"

EXISTING PANEL "EX1" 225A MAIN, 120/208V 3PH 4W

CKT NO.	TRIP/POLES	LOAD SERVED	PHASE	LOAD SEVED	TRIP POLES	CKT NO.
1	50/2	HEATERS	A	RCPT MANAGER OFFICE	20/1	2
3			B	RCPT MANAGER OFFICE	20/1	4
5	30/1	IT CABINET	C	AA MONITOR	20/1	6
7			A	RCPT OFFICE COPY RM	20/1	8
9	100/3	EXST LOAD, PANEL "EX2"	B	RCPT QUAD UNDER COUNTER	20/1	10
11			C	RCPT QUAD UNDER COUNTER	20/1	12
13	20/1	EXST LOAD	A	ETD (COUNTER)	20/1	14
15	20/1	EXST LOAD	B	RCPT QUAD UNDER COUNTER	20/1	16
17	20/1	RCPT - AA KIOSK	C	RCPT QUAD UNDER COUNTER	20/1	18
19	20/1	EXST LOAD	A	CAMERA	20/1	20
21	20/1	EXST LOAD	B	TIME CLOCK	20/1	22
23	20/1	RCPT	C	SCANNER	20/1	24
25	20/1	EXST LOAD	A	AA MONITOR	20/1	26
27	20/1	EXST LOAD	B	ETD	20/1	28
29	20/1	SPARE CB	C	LED	20/1	30
31		SPACE	A	METAL DETECTOR	20/1	32
33	20/1	RCPT MANAGER OFFICE	B	IT MINISPLIT	20/2	34
35	20/1	RCPT	C		20/2	36
37	20/1	LIGHT VESTIBULE	A	220V BODY SCANNER	100/2	38
39	20/1	ROLLUP DOOR	B		20/1	40
41	20/1	RCPT	C	RCPT BODY SCANNER	20/1	42

NOTE: * - TO REMAIN IN PLACE. EXISTING LOCATION: ROOM 120.
POWERED FROM PANEL "P"

EXISTING PANEL "AL" - APRON LIGHTING 100A BUS, 480/277V 3PH 4W

CKT NO.	TRIP/POLES	LOAD SERVED	PHASE	LOAD SEVED	TRIP POLES	CKT NO.
1			A			2
3	20/2		B		20/2	4
5	20/1	WATER-HEATER	C		20/1	6
7	20/1	AERCO-BOILER	A		20/1	8
9	20/1	HEATER	B	GATE EAST	20/2	10
11	30/2	POTABLE-WATER-HEAT/DISPENS AT-TARMAC-SUB	C		20/2	12
13		SPACE	A	SPACE		14
15		SPACE	B	SPACE		16
17		SPACE	C	SPACE		18
19		SPACE	A	SPACE		20
21		SPACE	B	SPACE		22
23		SPACE	C	SPACE		24
25		SPACE	A	SPACE		26
27		SPACE	B	SPACE		28
29		SPACE	C	SPACE		30

NOTE: * - TO BE REMOVED. EXISTING LOCATION: BOILER ROOM.
POWERED FROM PANEL PL VIA STEP-UP TRANSFORMER.

EXISTING PANEL "PL" * 225A MAIN, 120/208V 3PH 4W

CKT NO.	TRIP/POLES	LOAD SERVED	PHASE	LOAD SEVED	TRIP POLES	CKT NO.
1			A			2
3	20/2		B		20/2	4
5	20/1	WATER-HEATER	C		20/1	6
7	20/1	AERCO-BOILER	A		20/1	8
9	20/1	HEATER	B	GATE EAST	20/2	10
11	30/2	POTABLE-WATER-HEAT/DISPENS AT-TARMAC-SUB	C		20/2	12
13		SPACE	A	SPACE		14
15		SPACE	B	SPACE		16
17		SPACE	C	SPACE		18
19		SPACE	A	SPACE		20
21		SPACE	B	SPACE		22
23		SPACE	C	SPACE		24
25		SPACE	A	SPACE		26
27		SPACE	B	SPACE		28
29		SPACE	C	SPACE		30

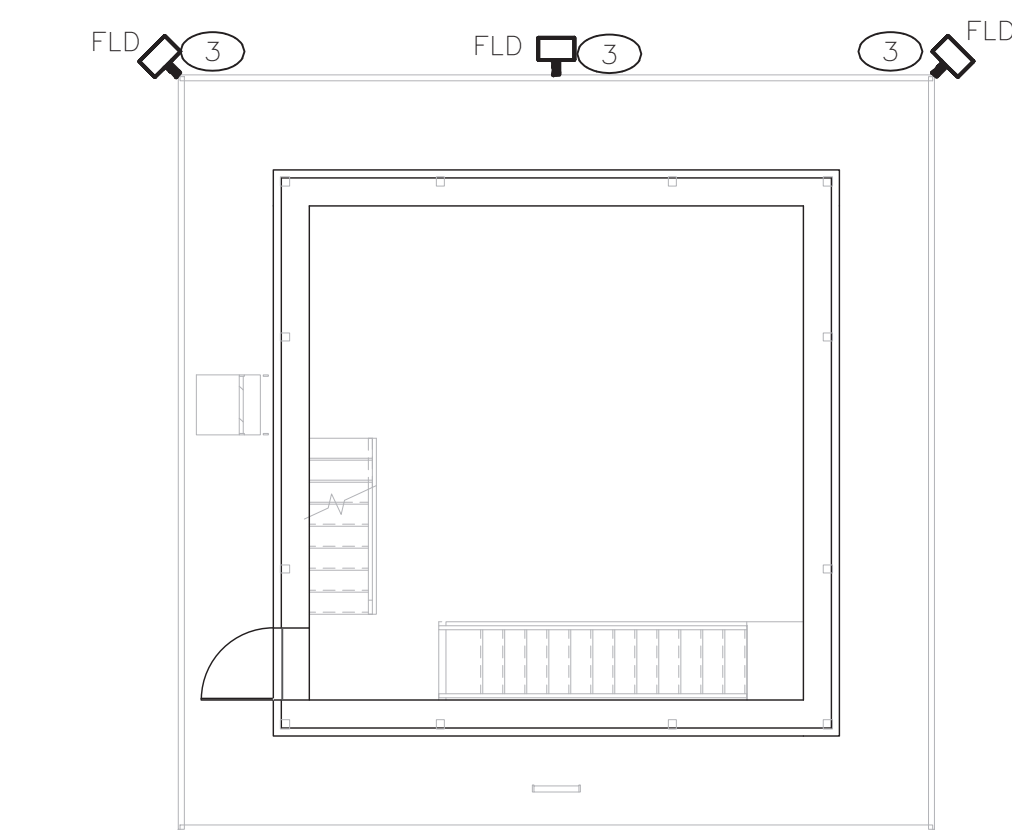
NOTE: * - TO BE REMOVED. EXISTING LOCATION: BOILER ROOM.
POWERED FROM PANEL "P" BUS.

EXISTING PANEL "EX2" 200A MLO, 120/208V 3PH 4W

CKT NO.	TRIP/POLES	LOAD SERVED	PHASE	LOAD SEVED	TRIP POLES	CKT NO.
1			A			2
3	30/3	HEATER	B	HEATER	30/3	4
5			C			6
7	20/1	RCPT GFI EXT ON FENCE	A	RCPT AMERICAN AIRLINES	20/1	8
9	20/1	UPS	B	LIGHTING TS II	20/1	10
11	15/1	TSA ROLL-UP	C	RCPTS UNITED	20/1	12
13	15/1	TSA ROLL-UP	A	BACK X-RAY	20/1	14
15	15/1	TSA ROLL-UP	B	BACK X-RAY	20/1	16
17	15/1	FRONT X-RAY	C	BACK X-RAY	20/1	18
19	15/2	FRONT X-RAY	A	TSA	20/1	20
21			B	TSA	20/1	22
23			C	TSA	20/1	24
25	20/2	UNITED DATA BOX	A		26	
27	20/1	UPS	B	TSA	20/3	28
29	20/1	SOUTH DOOR	C		30	



MAIN TERMINAL LIGHTING PLAN
SCALE: 1/8"=1'-0"



TOWER LIGHTING PLAN
SCALE: 1/8"=1'-0"

GENERAL NOTES

- CONDUITS IN EXPOSED AREA SHALL BE PAINTED BLACK AND RUN PARALLEL WITH VIGAS.
- EXTERIOR WALL LIGHTS WP SHALL BE INSTALLED AT XX" AFG OR XX" ABOVE TOP OF THE DOOR UNLESS NOTED OTHERWISE.
- INSTALL SWITCHES AT 42" TO CENTER AFF UNLESS NOTED OTHERWISE.
- NEW LIGHTING FIXTURES IN MAIN TERMINAL TO BE CONNECTED TO ORIGINAL POWER SOURCE. CONTRACTOR TO IDENTIFY THE POWER SOURCE FOR EACH LOAD AND PROVIDE PRINTED PANEL SCHEDULES. TEXT "EXISTING LOAD" IN PANEL SCHEDULE WILL NOT BE EXCEPTED.

KEYED NOTES (E)

- INSTALL COMBO EXIT SIGN/EMERGENCY UNIT ABOVE THE DOOR IN THIS LOCATION. CONNECT TO EXISTING CIRCUIT IN PANEL "A".
- INSTALL FLOOD LIGHT FIXTURE ON THE WALL; MOUNT ON PARAPET.
- INSTALL FLOOD LIGHT FIXTURE ON THE TOWER OBSERVATION DECK; ATTACH FIXTURE TO THE RAIL.
- REMOVE EXISTING LIGHT FIXTURE FROM THIS AREA AND INSTALL LED FIXTURE. CONNECT TO EXISTING LIGHTING CIRCUITS.
- EXISTING LIGHTING TO REMAIN.
- RELOCATED LIGHTING FIXTURE.

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NUMERIC SCALE CONFIRMATION
DRAWINGS ARE DEPICTED AT INTENDED NUMERIC SCALES
IF THIS BAR EQUALS ONE INCH



REV. NO.	REV. DATE	DESCRIPTION

PROJECT NUMBER: SAF182-13B
DESIGNED BY: NW
DRAWN BY: NW
CHECKED BY: DG
PRIME DESIGN PROFESSIONAL: JOHN Q. PATE
PROJECT DATE: AUGUST, 2021

**ELECTRICAL
MAIN TERMINAL
LIGHTING PLAN**

SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
SANTA FE REGIONAL AIRPORT
121 AVIATION DR. SANTA FE NM 87507

LUMINAIRE & EQUIPMENT SCHEDULE

TYPE	DESCRIPTION	VOLTAGE	LUMENS	WATT	MANUFACTURER	MODEL	MOUNTING	Q-TY
A	2X2 RECESSED ARCHITECTURAL LED TROFFER. 0-10 DIMMING.	120	2888	29	COLUMBIA LIGHTING	LCAT22-935MLG-EDU	RECESSED GRID	52
B	6" OPEN DOWNLIGHT. CLEAR ALZAK REFLECTOR. 0-10 DIMMING.	120	2032	21	VANTAGE LIGHTING	V60FCR-1-20-35K-F6060-SCL-SDM-HCR	RECESSED	69
COVE	EXTERIOR RATED LED FLEX	120	404	5	ECOSENSE LIGHTING	L09-E-120-05-30-90-CV24-ASYM	SURFACE	12
F	2X4 BACKLIT FLAT PANEL	120	4891	39	COLUMBIA LIGHTING	CBT24-LS35	RECESSED	9
FLD	HIGH LUMEN LED FLOOD LIGHT WITH UPPER VISOR.	120	30000	252	HUBBELL LIGHTING	RFL5-360L-265-4K7-M-UNV-T-FINISH / RFL5-TV-FINISH	EXTERIOR	4
G	4' OPEN STRIP. WIDE DISTRIBUTION.	120	4623	38	COLUMBIA LIGHTING	MP54-935ML-FW-EDU	SURFACE	3
K	SURFACE MOUNT MICRO SPOT. BLACK FINISH. BLUE TRIM.	120	806	10	METEOR LIGHTING	DT1-10-409-UNV-SPV-40-BLK-WHT-1FT STEM	SURFACE	3
R	12" SQUARE CYLINDER. SEMI-DIFFUSE LOW IRIDESCENT REFLECTOR.	120	2635	26	SPECTRUM LIGHTING	C12105QGV-37L-35K-DO10X-TSG-SO-5M-MB	SURFACE	47
WP	LED FULL CUTOFF WALL PACK. TYPE IV DISTRIBUTION. BATTERY BACKUP.	120	5705	47	HUBBELL LIGHTING	RWL1-48L-45-4K7-4W-UNV-DBT-E	EXTERIOR WALL	4
EMX	COMBO EXIT SIGN AND EMERGENCY UNIT. RED LETTERS. BATTERY PACK. SELF-	120	176	1.65	DUAL-LITE	EVCURWI	SURFACE	5
EM	WHITE THERMOPLASTIC EMERGENCY UNIT. SELF-DIAGNOSTICS.	120	176	1.1	DUAL-LITE	EV2I	SURFACE	1

- NOTE: 1. ALL LIGHTING IS POWERED AT 120V.
2. ALL LUMINAIRES SHALL BE CONSIDERED "OR ENGINEER REVIEWED EQUIVALENT".
3. FIXTURE FINISH TBD BY OWNER AND ARCHITECT DURING SUBMITTAL PROCESS.
4. FOR LIGHTING CONTROL, PROVIDE ON/OFF LIGHT SWITCH WITH DIMMER AND MOTION SENSOR IN AREA 109, 114, 116, 117, 118, 119, 125, 127, 625, 626, AND 628.

EL-111

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MOLZENCORBIN

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NUMERIC SCALE CONFIRMATION
DRAWINGS ARE DEPICTED AT INTENDED
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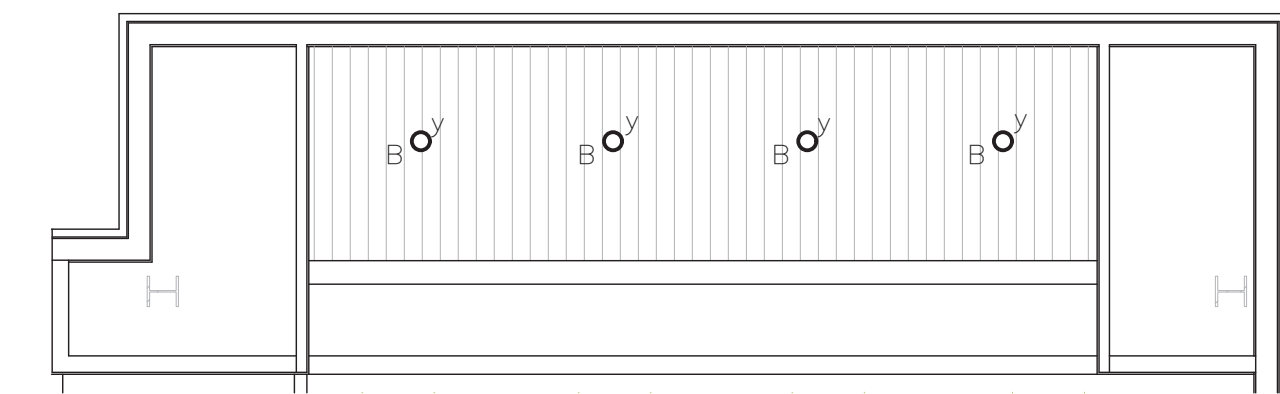
**ELECTRICAL
NORTH ADDITION
LIGHTING PLAN**

SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
SANTA FE REGIONAL AIRPORT
121 AVIATION DR. SANTA FE NM 87507

EL-112

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**WEST LOFT SPACE LIGHTING PLAN
(ABOVE GATE 622)**

SCALE: 3/16"=1'-0"

LUMINAIRE & EQUIPMENT SCHEDULE							
TYPE	DESCRIPTION	VOLTAGE	LUMENS	WATT	MANUFACTURER	MODEL	MOUNTING Q-TY
A	2X2 RECESSED ARCHITECTURAL LED TROFFER. 0-10 DIMMING.	120	2888	29	COLUMBIA LIGHTING	LCAT22-935MLG-EDU	RECESSED GRID 17
AR	PORTAL SURFACE ADJUSTABLE, 9" SIZE, BEAM SPREAD 65°.	120	4133	28	FLUXWERX ILLUMINATION	TC1-T-09-S-J1-BB-W1-9-35-E-F2-M	SURFACE 8
B	6" OPEN DOWNLIGHT. CLEAR ALZAK BLACK FINISH. GLOW RING. DIFFUSER.	120	2032	21	VANTAGE LIGHTING	V60FCR-1-20-35K-F6060-SCL-SDM-HCR	RECESSED 28
C	4" APERTURE PENDANT MOUNT CYLINDER. BLACK FINISH. LUMINAIRE. INDIRECT/DIRECT.	120	4311	62	METEOR LIGHTING	AS4-65-359-UNV-STV-60-B-GLR-ST4-DF	PENDANT 29
D	8'X 7" W X 2" D LED RECTILINEAR BEAM LUMINAIRE. INDIRECT/DIRECT.	120	8436	76	LITECONTROL	SAE104-P-LPA-8-SOF-C1-35K-105-8D-D01-1C-UNV-FA2	PENDANT 8
D4	4'X 7" W X 2" D LED RECTILINEAR BEAM LUMINAIRE. INDIRECT/DIRECT.	120	4218	38	LITECONTROL	SAE104-P-LPA-4-SOF-C1-35K-105-8D-D01-1C-UNV-FA2	PENDANT 1
FLD	HIGH LUMEN LED FLOOD LIGHT WITH UPPER VISOR.	120	30000	252	HUBBELL LIGHTING	RFL5-360L-265-4K7-M-UNV-T-FINISH / RFL5-TV-FINISH	EXTERIOR 2
G	4' OPEN STRIP. WIDE DISTRIBUTION.	120	4623	38	COLUMBIA LIGHTING	MPS4-935ML-FW-EDU	SURFACE 6
H	4' ENCLOSED & GASKETED EXTREME ENVIRONMENT LED. FROSTED RIBBED	120	5086	42	COLUMBIA LIGHTING	LXEM4-35ML-RFA-EDU	SURFACE 2
J	4" WALL MOUNT VANITY. ALUMINUM HOUSING. DOME SHAPE ACRYLIC LENS.	120	3600	27	LITECONTROL	67L-W-D-4'-4-DM-CS-35K-D090-D01-1C-UNV	SURFACE WALL 7
K	SURFACE MOUNT MICRO SPOT. BLACK FINISH. BLUE TRIM.	120	806	10	METEOR LIGHTING	DT1-10-409-UNV-SPV-40-BLK-WHT-1FT STEM	SURFACE 4
L	8' TWIN RAIL ALUMINUM PENDANT.	120	5501	65	LUMENWERX	RIMLP-ULO-SW-90-L5500LM-35FT-5-UNV-D1-1-LCD-B-POC-30IN-B	PENDANT 5
OB	RED LED OBSTRUCTION LIGHT WITH PHOTOCELL	120	-	4	FLIGHT LIGHT	FL-810LNV-R-AC1-S-FF-P / FL-81020	FLOOR FLANGE 3
S	BENDABLE LED STRIP. FL TYPE MOUNTING CHANNEL W/ HALF FROSTED LENS. 24VDC PS.	120	6000	48	LUMINII	LLFLEX18-35K-LF-M-240" / FL-HF	SURFACE 4
EMX	COMBO EXIT SIGN AND EMERGENCY UNIT. RED LETTERS. BATTERY PACK.	120	176	1.65	DUAL-LITE	EVCURWI	SURFACE 3
EM	WHITE THERMOPLASTIC EMERGENCY UNIT. SELF-DIAGNOSTICS.	120	176	1.1	DUAL-LITE	EV2I	SURFACE 11

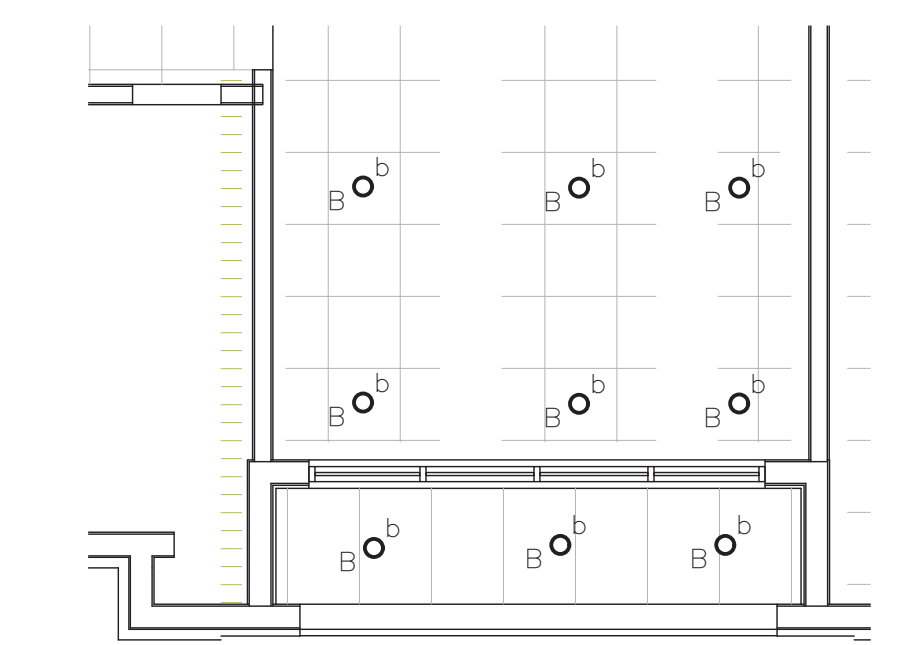
- NOTE: 1. ALL LIGHTING IS POWERED AT 120V.
2. ALL LUMINAIRES SHALL BE CONSIDERED "OR ENGINEER REVIEWED EQUIVALENT".
3. FIXTURE FINISH TBD BY OWNER AND ARCHITECT DURING SUBMITTAL PROCESS.
4. FOR LIGHTING CONTROL, PROVIDE ON/OFF LIGHT SWITCH WITH DIMMER AND MOTION SENSOR IN AREA 610, 611, 612, 613, 614, 616, 617.
5. PROVIDE LIGHT SWITCH WITH MOTION SENSOR IN AREA 603, 604, 605, 606, 608, 609, 618, AND 619.

GENERAL NOTES

- ALL LIGHT FIXTURE IN NORTH EXPANSION TO BE POWERED FROM PANEL "LP" IN ROOM 605.

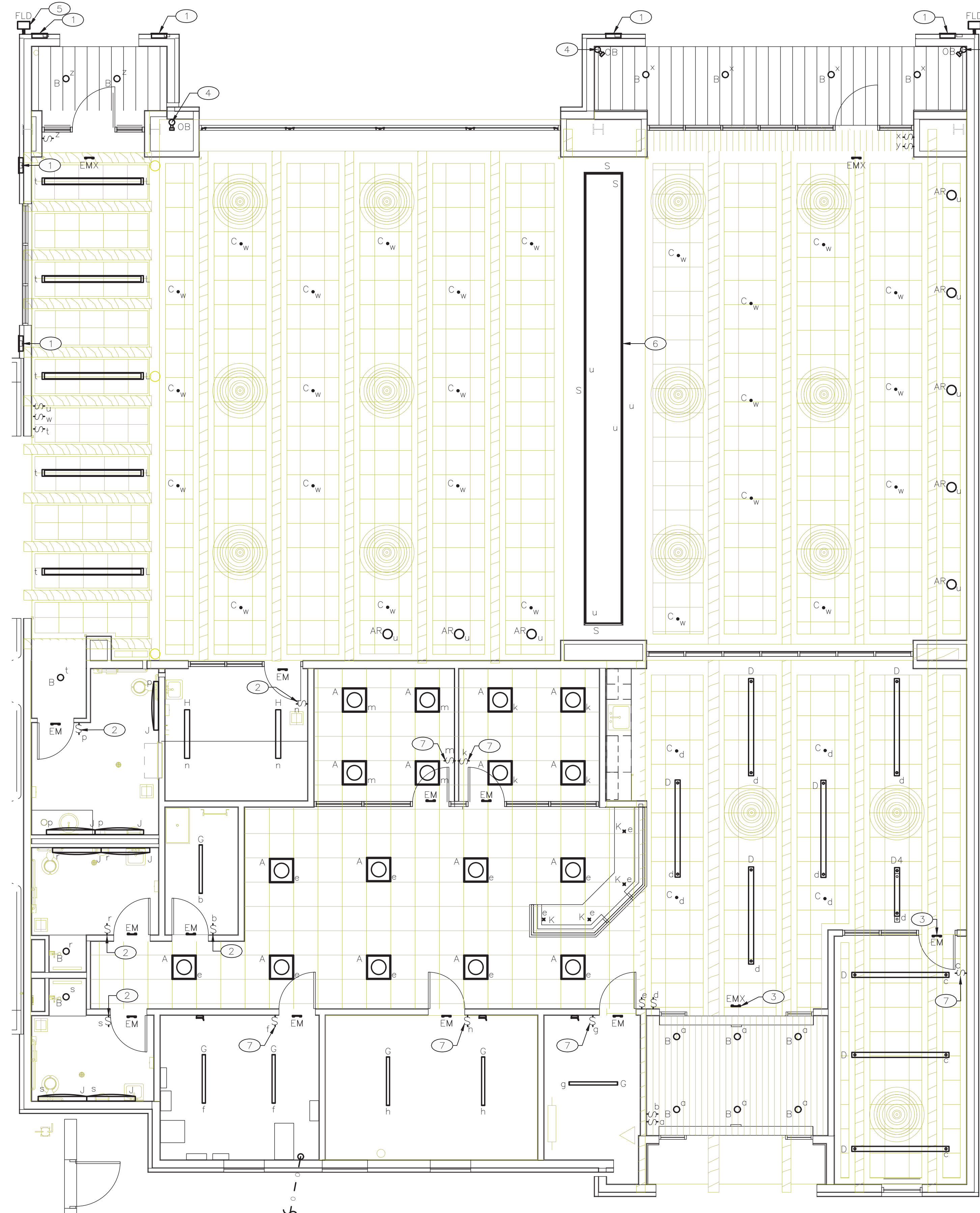
KEYED NOTES

- INSTALL EXISTING LIGHTING FIXTURE REMOVED FROM THE RETAINING WALL.
- WALL MOUNTED ON/OFF SWITCH WITH OCCUPANCY SENSOR FOR LIGHTING AND CEILING EXHAUST FAN. EXHAUST FAN TO RUN CONTINUOUSLY WHEN AREA IS OCCUPIED. EXHAUST FAN TO BE OFF WHEN AREA IS UNOCCUPIED.
- POWER LIGHT FIXTURE DIRECTLY FROM POWER PANEL PN. TYPICAL FOR FIXTURE TYPE "EM" AND "EMX".
- INSTALL OBSTRUCTION LIGHT FIXTURE. SHOWN HERE. COORDINATE EXACT LOCATION IN FIELD.
- INSTALL FLOOD LIGHT ON THE WALL; MOUNT ON PARAPET. CONNECT TO EXISTING FLOOD LIGHT CONTROL.
- INSTALL (4) RUNS OF LED STRIP AT UNDERSIDE OF SOFFIT. PROVIDE AND INSTALL SINGLE DIMMING POWER SUPPLY. TOTAL ASSEMBLY WATTAGE 192 WATT.
- LIGHT SWITCH WITH OCCUPANCY SENSOR.



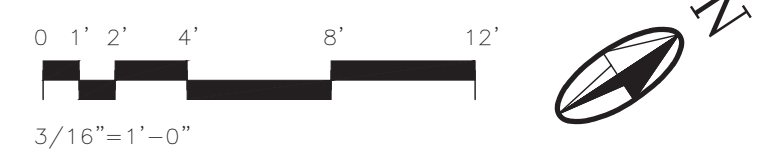
**EAST LOFT SPACE LIGHTING PLAN
(ABOVE VEST. 601)**

SCALE: 3/16"=1'-0"



NORTH ADDITION LIGHTING PLAN

SCALE: 3/16"=1'-0"



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GENERAL NOTES

1. ALL LIGHT FIXTURES TO BE POWERED FROM PANEL "T" ON SIDE OF THE BUILDING. REFER TO EP-602 FOR PANEL SCHEDULE.

KEYED NOTES #

1. INSTALL FLOOD LIGHT FIXTURE; ATTACH THE FIXTURE TO THE TOP OF FASCIA.

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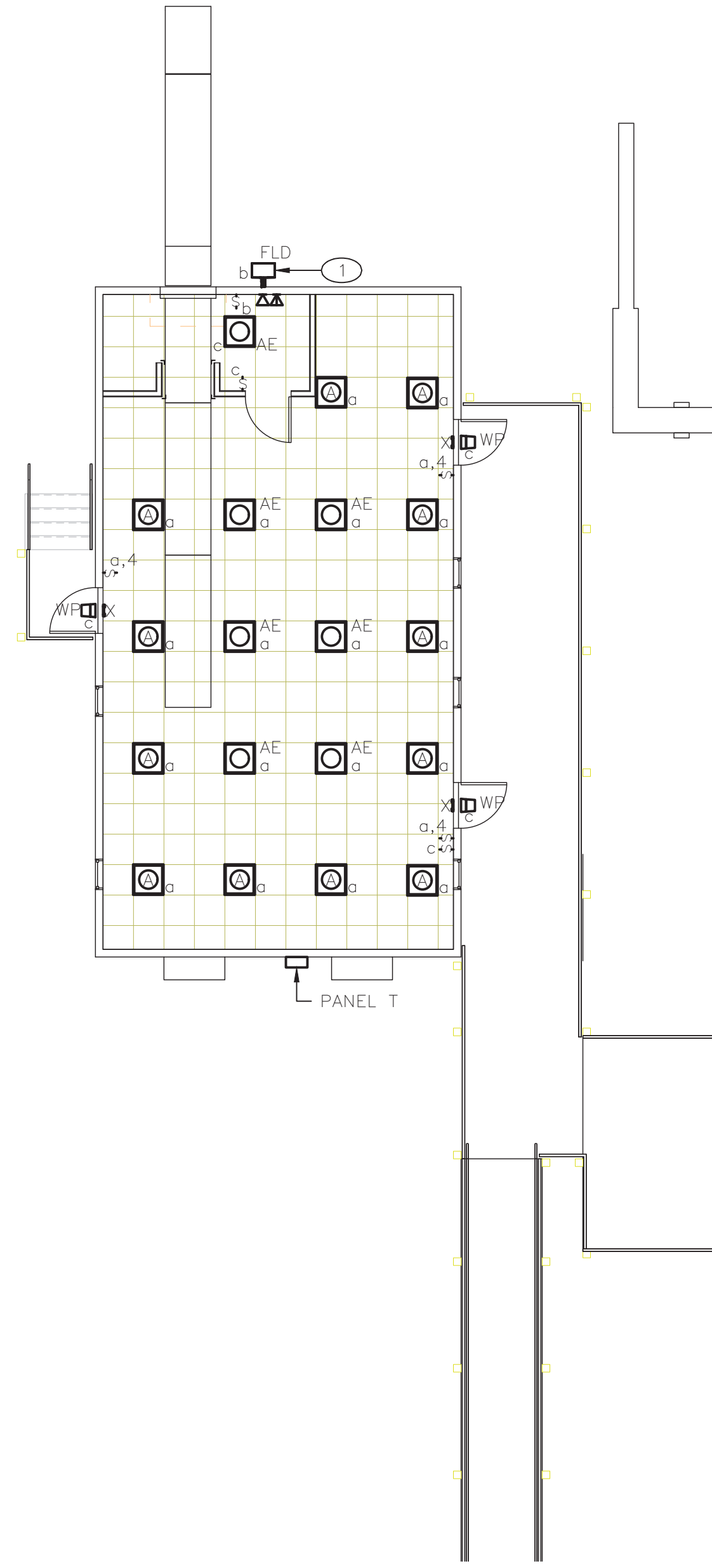
NUMERIC SCALE CONFIRMATION
 DRAWINGS ARE DEPICTED AT INTENDED
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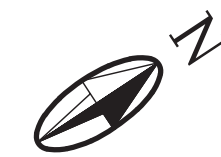
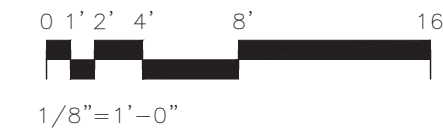
LUMINAIRE & EQUIPMENT SCHEDULE							
TYPE	DESCRIPTION	VOLTAGE	LUMENS	WATT	MANUFACTURER	MODEL ⁽¹⁾⁽²⁾	MOUNTING Q-TY
A	2X2 RECESSED ARCHITECTURAL LED TROFFER. 0-10 DIMMING.	120	2888	29	COLUMBIA LIGHTING	LCAT22-935MLG-EDU	RECESSED GRID 12
AE	2X2 RECESSED ARCHITECTURAL LED TROFFER. 0-10 DIMMING. BATTERY BACKUP.	120	2888	29	COLUMBIA LIGHTING	LCAT22-35MLG-EDU-ELL14	RECESSED GRID 7
FLD	HIGH LUMEN LED FLOOD LIGHT WITH UPPER VISOR.	120	30000	252	HUBBELL LIGHTING	RFL5-360L-265-4K7-M-UNV-T-DBT / RFL5-TV-DBT	EXTERIOR 1
WP	LED FULL CUTOFF WALL PACK. TYPE IV DISTRIBUTION. BATTERY BACKUP.	120	5705	47	HUBBELL LIGHTING	RWL1-48L-45-4K7-4W-UNV-DBT-E	EXTERIOR WALL 3
X	WHITE THERMOPLASTIC EXIT SIGN. GREEN LETTERS. BATTERY PACK. SELF-DIAGNOSTICS.	120	-	1.36	DUAL-LITE	EVEUGWEI	SURFACE 3

⁽¹⁾ ALL LIGHTING IS POWERED AT 120V.

⁽²⁾ ALL LUMINAIRES SHALL BE CONSIDERED "OR ENGINEER REVIEWED EQUIVALENT".



BAGGAGE CLAIM LIGHTING PLAN
 SCALE: 1/8"=1'-0"



REV. NO.	REV. DATE	DESCRIPTION

PROJECT NUMBER:	SAF1R2-13B
DESIGNED BY:	NW
DRAWN BY:	NW
CHECKED BY:	DG
PRIME DESIGN PROFESSIONAL:	JOHN. O. PATE
PROJECT DATE:	AUGUST, 2021

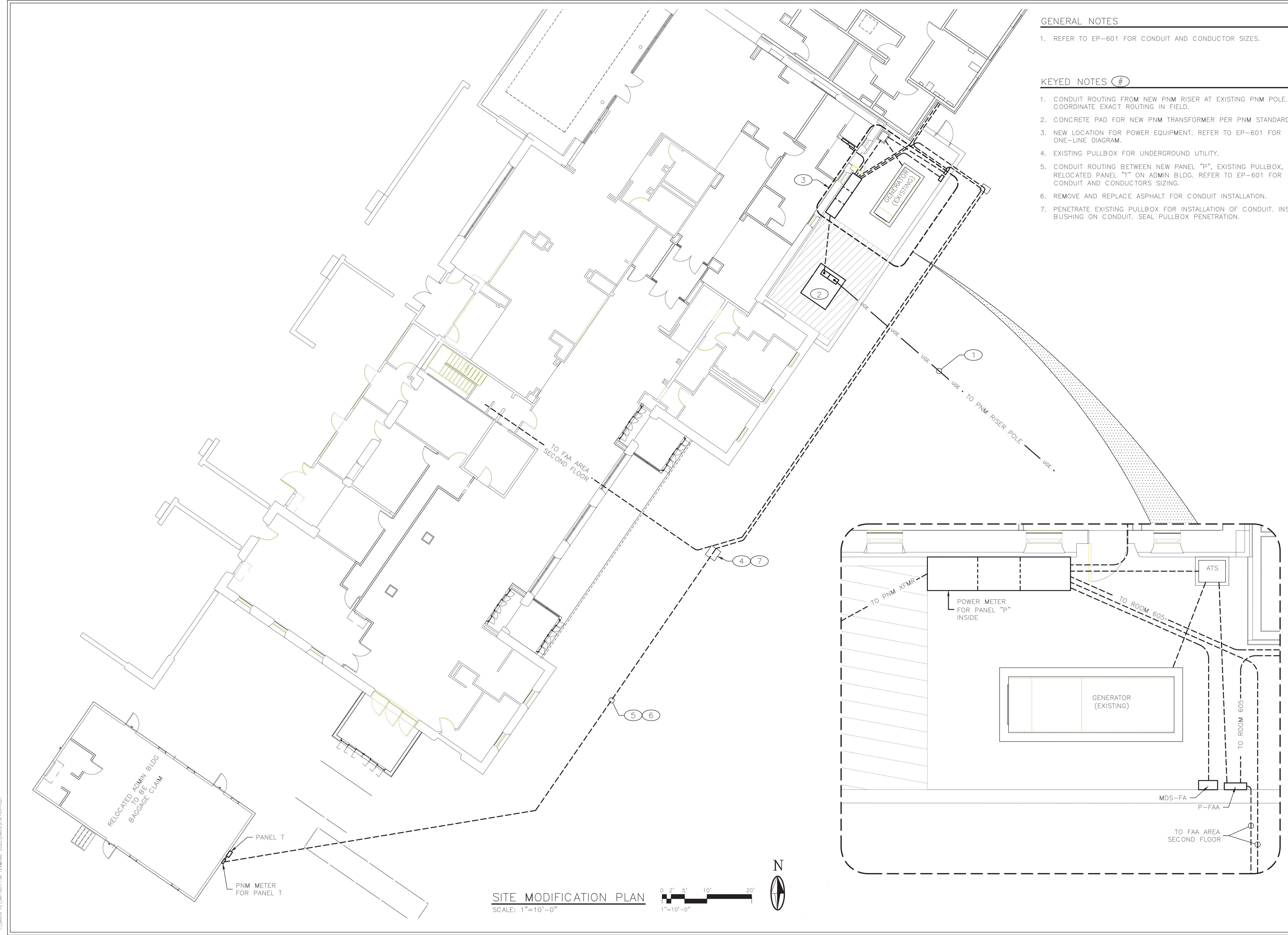
**ELECTRICAL
 BAGGAGE CLAIM LIGHTING PLAN**

**SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
 SANTA FE REGIONAL AIRPORT
 121 AVIATION DR. SANTA FE NM 87507**

EL-113

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SITE MODIFICATION PLAN
 SCALE: 1"=10'-0"



GENERAL NOTES

1. REFER TO EP-601 FOR CONDUIT AND CONDUCTOR SIZES.

KEYED NOTES (#)

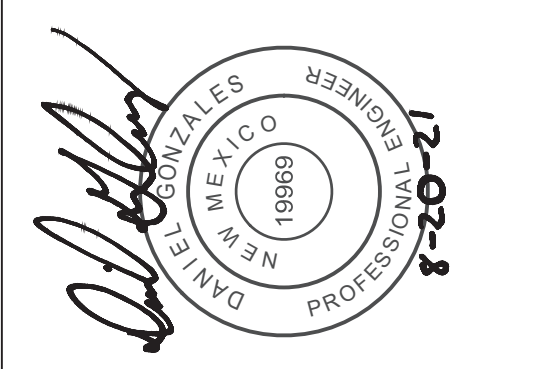
1. CONDUIT ROUTING FROM NEW PNM RISER AT EXISTING PNM POLE. COORDINATE EXACT ROUTING IN FIELD.
2. CONCRETE PAD FOR NEW PNM TRANSFORMER PER PNM STANDARDS.
3. NEW LOCATION FOR POWER EQUIPMENT. REFER TO EP-601 FOR ONE-LINE DIAGRAM.
4. EXISTING PULLBOX FOR UNDERGROUND UTILITY.
5. CONDUIT ROUTING BETWEEN NEW PANEL "P", EXISTING PULLBOX, AND RELOCATED PANEL "T" ON ADMIN BLDG. REFER TO EP-601 FOR CONDUIT AND CONDUCTORS SIZING.
6. REMOVE AND REPLACE ASPHALT FOR CONDUIT INSTALLATION.
7. PENETRATE EXISTING PULLBOX FOR INSTALLATION OF CONDUIT. INSTALL BUSHING ON CONDUIT. SEAL PULLBOX PENETRATION.

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NUMERIC SCALE CONFIRMATION
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 IF THIS BAR EQUALS ONE INCH



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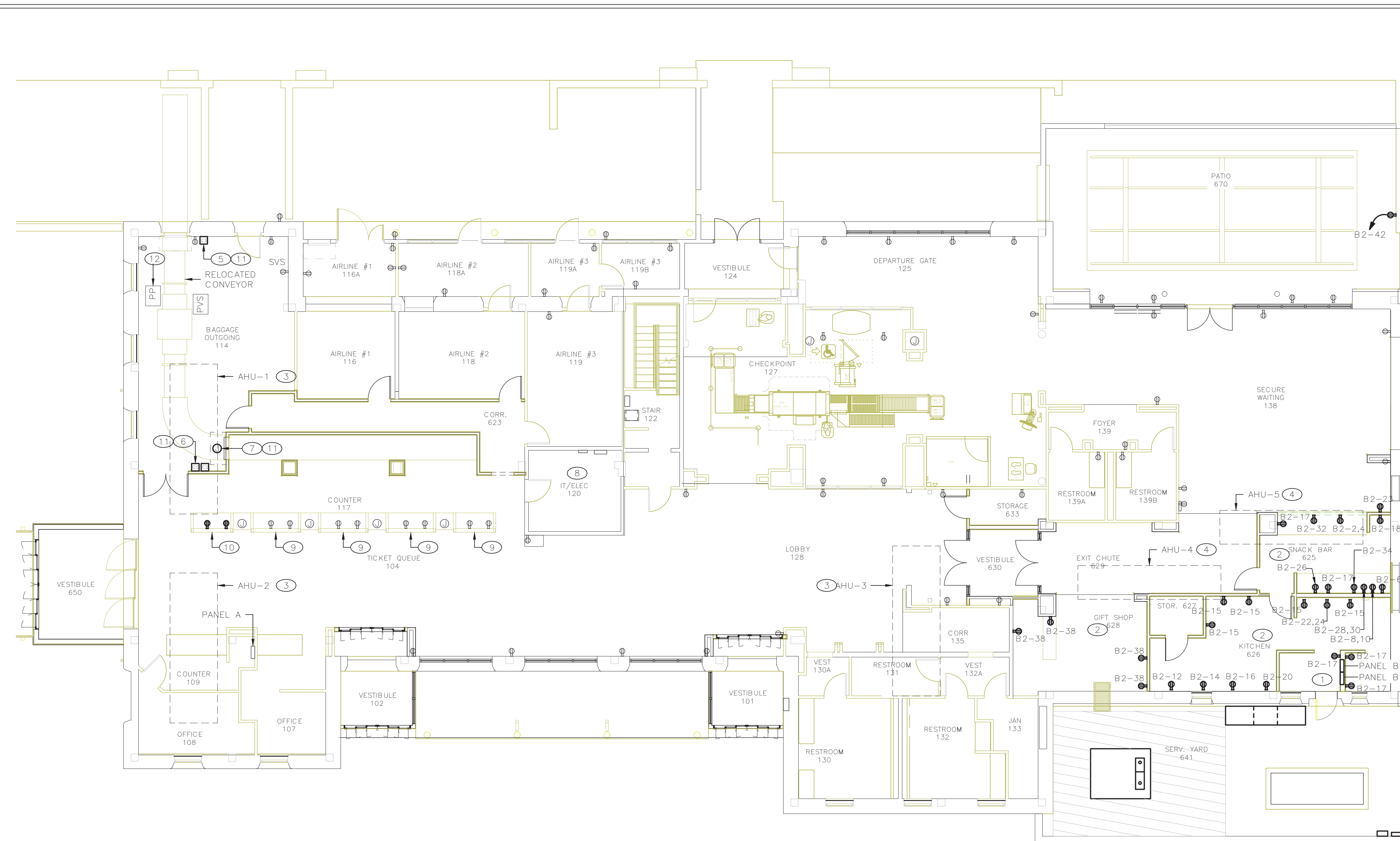
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 CHECKED BY: DG
 PRIME DESIGN PROFESSIONAL: JOHN Q. PATE
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**ELECTRICAL
 SITE
 MODIFICATION PLAN**

**SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
 SANTA FE REGIONAL AIRPORT
 121 AVIATION DR. SANTA FE NM 87507**

EP-001

SHEET



MAIN TERMINAL MODIFIED POWER PLAN
SCALE: 1/8"=1'-0"



GENERAL NOTES

- A. REFER TO EP-602 FOR POWER PANEL SCHEDULES.
- B. ALL RECEPTACLES MOUNTED 16" AFF UNLESS NOTED OTHERWISE.

KEYED NOTES #

1. PANEL B1 AND B2 - REPLACEMENT FOR PANEL B (TWO SECTIONS) REMOVED FROM DEMOLISHED ROOM 142. PROVIDE FLUSH MOUNTED TYPE PANELS.
2. ALL RECEPTACLES IN THIS AREA TO BE INSTALLED TO SERVE THE FUTURE EQUIPMENT AND TO BE POWERED FROM PANEL "B2". RECEPTACLES FOR KITCHEN AND SNACK BAR APPLIANCES TO BE CONNECTED TO GFCI TYPE BREAKERS. REFER TO EP-602 FOR PANEL "B2" SCHEDULE.
3. POWER AIR HANDLING UNIT FROM PANEL B1.
4. POWER AIR HANDLING UNIT FROM PANEL B2.
5. JUNCTION BOX WITH POWER AND CONTROL FOR OVERHEAD DOOR. PULL CONDUCTORS IN CONDUIT AND CONNECT TO MOTOR. CONNECT TO POWER PANEL "EX" AND TO MOTOR AS RECOMMENDED BY MANUFACTURER.
6. CONVEYOR CONTROL STATION. SHOWN HERE FOR DRAFTING PURPOSES. COORDINATE WITH CONVEYOR MANUFACTURER FOR LOCATION.
7. JUNCTION BOX WITH RECEPTACLE DEDICATED FOR CONVEYOR POWER. SHOWN HERE FOR DRAFTING PURPOSES. COORDINATE LOCATION WITH CONVEYOR MANUFACTURER. CONNECT TO PANEL "EX" FOR POWER.
8. ALL EQUIPMENT IN ROOM 120 REMAINS IN PLACE.
9. REARRANGE THE J-BOXES AND RECEPTACLES AT REINSTALLED COUNTER STANDS AND SCALES. RECONNECT TO EXISTING POWER SOURCE. PULL NEW CONDUCTORS IN CONDUITS IF NECESSARY.
10. INSTALL 4-PLEX RECEPTACLES WITH INDUSTRIAL COVER AND SURFACE MOUNTED CONDUIT ON BACK WALL OF THE NEWLY INSTALLED CABINET UNDER COUNTER. CONNECT TO THE SAME POWER SOURCE AS THE OTHER RECEPTACLES AT THIS AREA.
11. CONTRACTOR TO IDENTIFY THE POWER SOURCE FOR EACH LOAD AND PROVIDE PRINTED PANEL SCHEDULES. TEXT "EXISTING LOAD" IN PANEL SCHEDULE WILL NOT BE EXCEPTED.
12. POWER POLE TO BE INSTALLED AND FURNISHED WITH ONE (1) NEMA L6-30 RECEPTACLE WITH 208 VAC, 30A CIRCUIT AND ONE (1) DUPLEX NEMA 5-20 RECEPTACLE WITH 120 VAC, 20A CIRCUIT.

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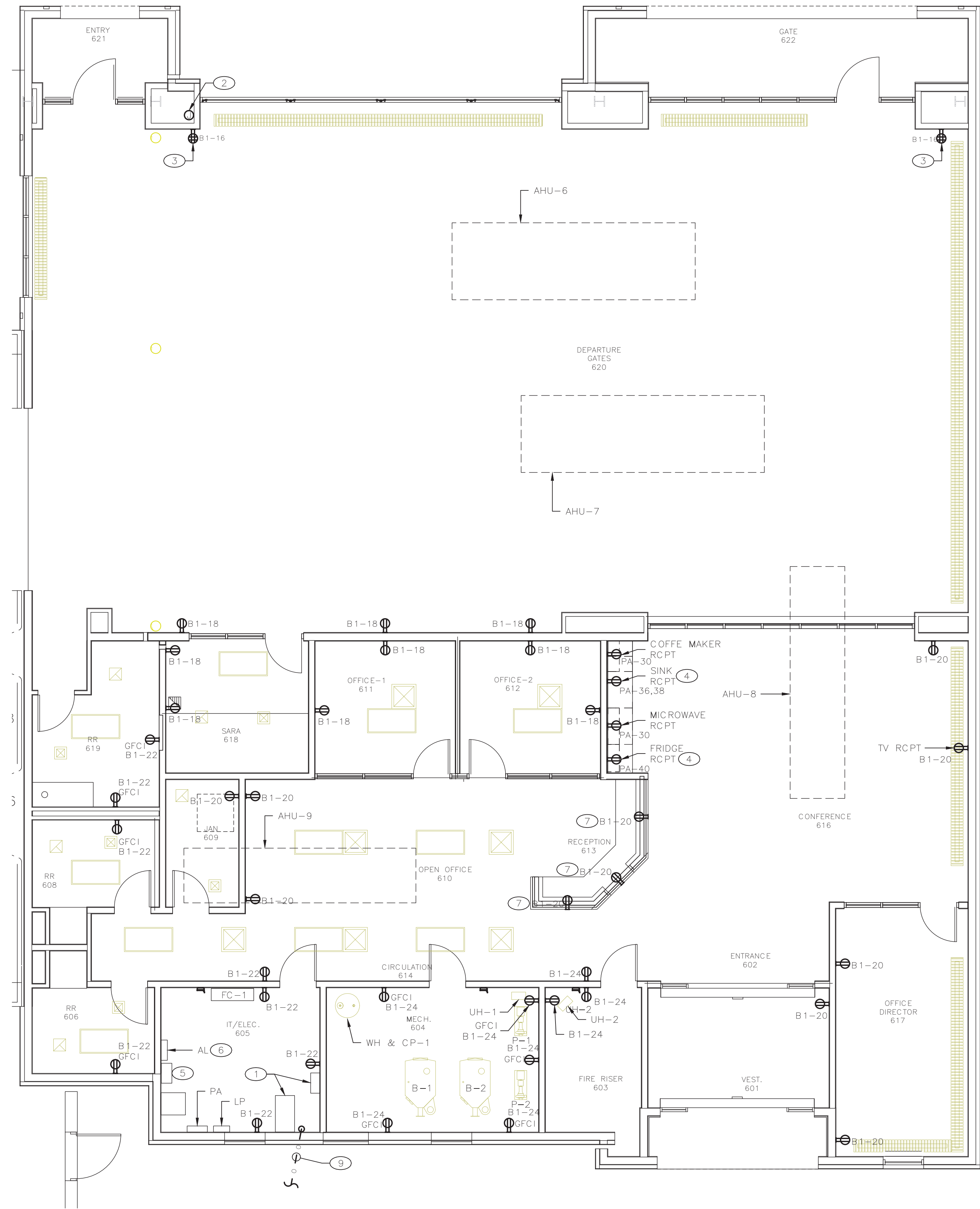
ELECTRICAL
MAIN TERMINAL
MODIFIED POWER PLAN

SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
SANTA FE REGIONAL AIRPORT
121 AVIATION DR. SANTA FE NM 87507

EP-111

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NORTH EXPANSION POWER PLAN
SCALE: 3/16"=1'-0"

GENERAL NOTES

- A. ALL MECHANICAL EQUIPMENT IN THIS AREA IS POWERED FROM PANEL "PA". REFER TO EP-602 FOR PANEL SCHEDULE.
- B. ALL RECEPTACLES MOUNTED 16" AFF UNLESS NOTED OTHERWISE.

KEYED NOTES (#)

- 1. "IT" EQUIPMENT RELOCATED FROM DEMOLITION AREA (RM 115). REFER TO ED-111.
- 2. J-BOX WITH POWER FOR MOTORIZED WINDOW SHADES IN SOFFIT. SHOWN HERE; LOCATE AS REQUIRED BY SHADES SUPPLIER. CONNECT TO POWER PANEL "B1-14".
- 3. 4-PLEX FOR POWER FOR TICKETING KIOSK AT DEPARTURE GATE. POWER FROM PANEL "B1".
- 4. INSTALL RECEPTACLE UNDER COUNTERTOP; CONNECT TO GRCI CIRCUIT BREAKER IN PANEL "PA".
- 5. RELOCATED FROM BOILER ROOM STEP-UP TRANSFORMER.
- 6. RELOCATED FROM BOILER ROOM PANEL AL.
- 7. LOCATE BELOW COUNTER.
- 8. INSTALL SERVER FOR GATE CONTROL SYSTEM.
- 9. UNDERGROUND CONDUCTORS FROM PARKING LOT FOR PARKING LOT NETWORKING. INSTALL FIBER PATCH PANEL. TERMINATE FIBER. INSTALL FIBER TO ETHERNET CONVERTER IN IT SERVER AND CONNECT FIBER RUNS. REFER TO E-105.

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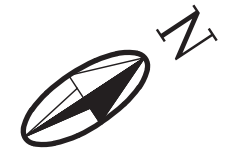
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DESIGNED BY:		NW
DRAWN BY:		DG
CHECKED BY:		DC
PRIME DESIGN PROFESSIONAL:	JOHN Q. PATE	
PROJECT DATE:	AUGUST, 2021	

ELECTRICAL
NORTH EXPANSION
POWER PLAN

SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
SANTA FE REGIONAL AIRPORT
121 AVIATION DR. SANTA FE NM 87507

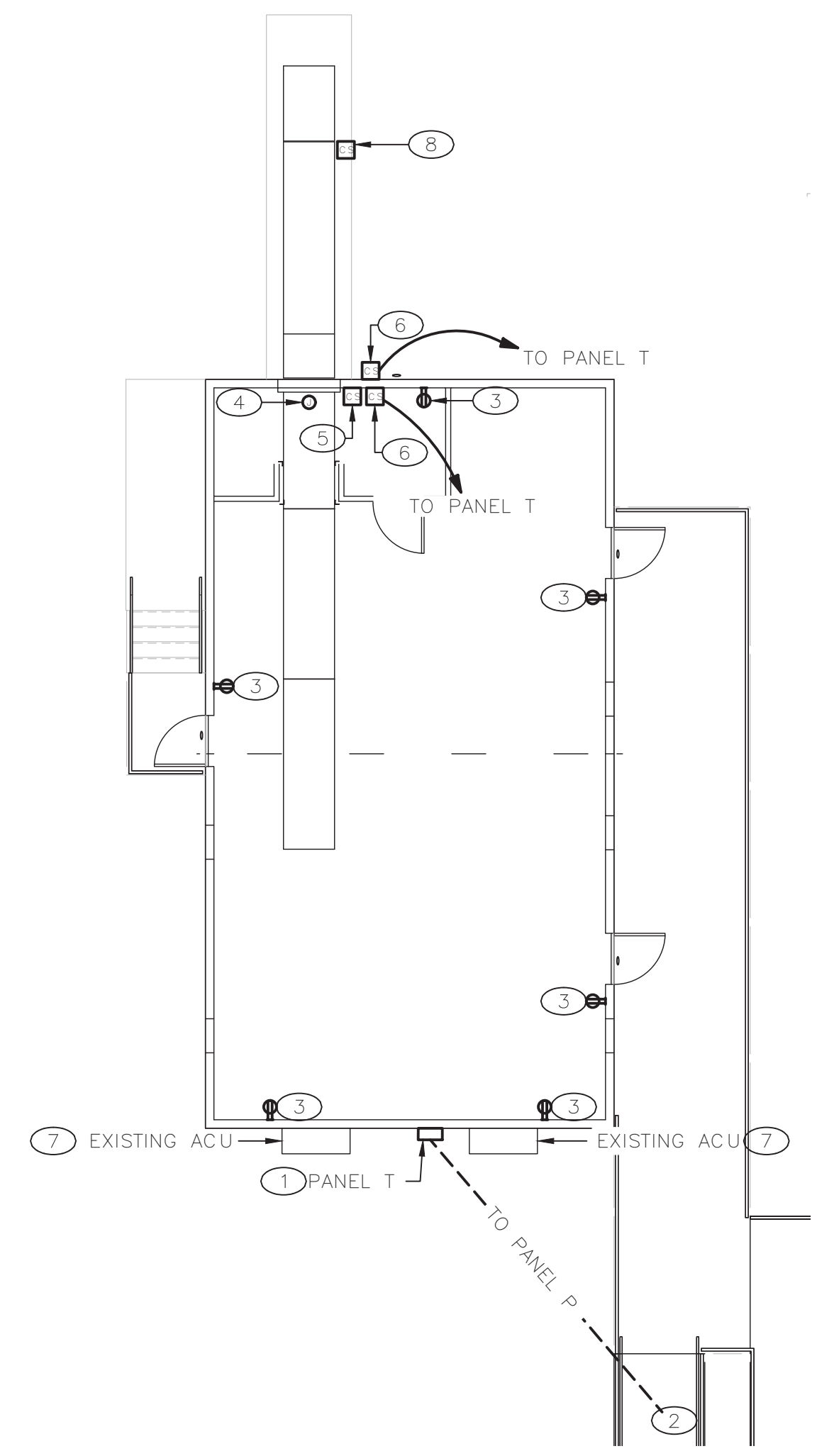
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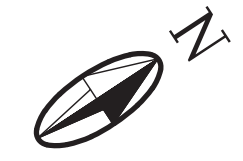
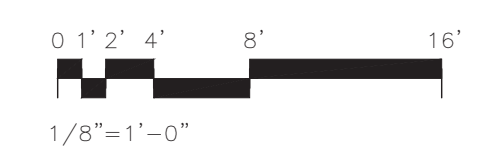


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BAGGAGE CLAIM POWER PLAN
 SCALE: 1/8"=1'-0"



KEYED NOTES #

1. RELOCATED PANEL T AND PNM METER; INSTALL ON STRUT SUPPORT ADJACENT TO THE ADMIN BUILDING. REFER TO EP-602 FOR PANEL SCHEDULE.
2. REFER TO EP-001 FOR CONTINUATION.
3. INSTALL GFCI RECEPTACLE IN THIS LOCATION.
4. JUNCTION BOX WITH RECEPTACLE DEDICATED FOR CONVEYOR POWER. SHOWN HERE FOR DRAFTING PURPOSES. COORDINATE LOCATION WITH CONVEYOR MANUFACTURER. REFER TO EP-602 FOR POWER "T" PANEL SCHEDULE.
5. CONVEYOR CONTROL STATION. SHOWN HERE FOR DRAFTING PURPOSES. COORDINATE WITH CONVEYOR MANUFACTURER FOR LOCATION.
6. JUNCTION BOX WITH POWER AND CONTROL FOR OVERHEAD DOOR. PULL CONDUCTORS IN CONDUIT AND CONNECT TO MOTOR. CONNECT TO POWER PANEL "T" AND TO MOTOR AS RECOMMENDED BY MANUFACTURER. CONTROLS PROVIDED BY DOOR MANUFACTURER.
7. CONNECT EXISTING ACU TO PANEL "T" FOR POWER.
8. CONVEYOR CONTROL STATION IN NEMA 4 ENCLOSURE BY CONVEYOR MANUFACTURER. SHOWN HERE. COORDINATE WITH CONVEYOR MANUFACTURER FOR LOCATION.

MOLZENCORBIN

2701 Miles Road SE
 Albuquerque, New Mexico 87106
 505 242 5700 office
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 MolzenCorbin.com

NOTICE OF EXTENDED PAYMENT PROVISION:
 THIS CONTRACT ALLOWS THE OWNER TO MAKE
 PAYMENT WITHIN 45 DAYS AFTER SUBMISSION
 OF AN UNDISPUTED REQUEST FOR PAYMENT

NUMERIC SCALE CONFIRMATION
 DRAWINGS ARE DEPICTED AT INTENDED
 NUMERIC SCALES
 IF THIS BAR EQUALS ONE INCH



REV. NO.	REV. DATE	DESCRIPTION

PROJECT NUMBER:	SAF182-13B
DESIGNED BY:	NW
DRAWN BY:	NW
CHECKED BY:	DG
PRIME DESIGN PROFESSIONAL:	JOHN O. PATE
PROJECT DATE:	AUGUST, 2021

**ELECTRICAL
 BAGGAGE CLAIM POWER PLAN**

**SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
 SANTA FE REGIONAL AIRPORT
 121 AVIATION DR. SANTA FE NM 87507**

EP-113

SHEET

GENERAL NOTES

- A. ALL EXISTING EQUIPMENT AND CONDUITS ARE INDICATED BY LIGHT LINWORK.
- B. INSTALL NEW CONDUITS AND CONDUCTORS AS INDICATED HEREIN UNLESS NOTED OTHERWISE.

KEYED NOTES

- 1. PROVIDE AND INSTALL NEW NEMA 4 PANEL "P" TO REPLACE EXISTING PANEL IN THE BOILER ROOM. REFER TO EP-112 FOR PANEL LOCATION.
- 2. INSTALL EXISTING PANEL "T" ON STRUT ADJACENT TO BAGGAGE CLAIM BUILDING. PROVIDE AND INSTALL NEW CIRCUIT BREAKERS INSIDE OF THE PANEL "T" AS SHOWN ON PANEL SCHEDULE. REFER TO EP-602.
- 3. PROVIDE AND INSTALL NEMA 3 PANEL P-FAA. REFER TO EP-112 FOR PANEL LOCATION.
- 4. PROVISION FOR PNM METER INSTALLATION REQUIRED. INSTALL PER PNM STANDARDS AND REQUIREMENTS.
- 5. INSTALL SPD TO MINIMIZE CONDUCTOR LENGTH AND BENDS AS REQUIRED PER NEC AND PER MANUFACTURER RECOMMENDATIONS. CONDUCTORS AS RECOMMENDED BY SPD MANUFACTURER.
- 6. INSTALL TWO (2) GROUND RODS, BC IN GROUND.
- 7. BOND TO STRUCTURAL STEEL IN FOOTING OF NORTH BUILDING EXTENSION.
- 8. BOND TO WATER PIPING AND AS REQUIRED BY THE NEC.
- 9. INSTALL TWO (2) GROUND BARS IN ROOM 605: ONE FOR "IT" EQUIPMENT AND ONE FOR ELECTRICAL.

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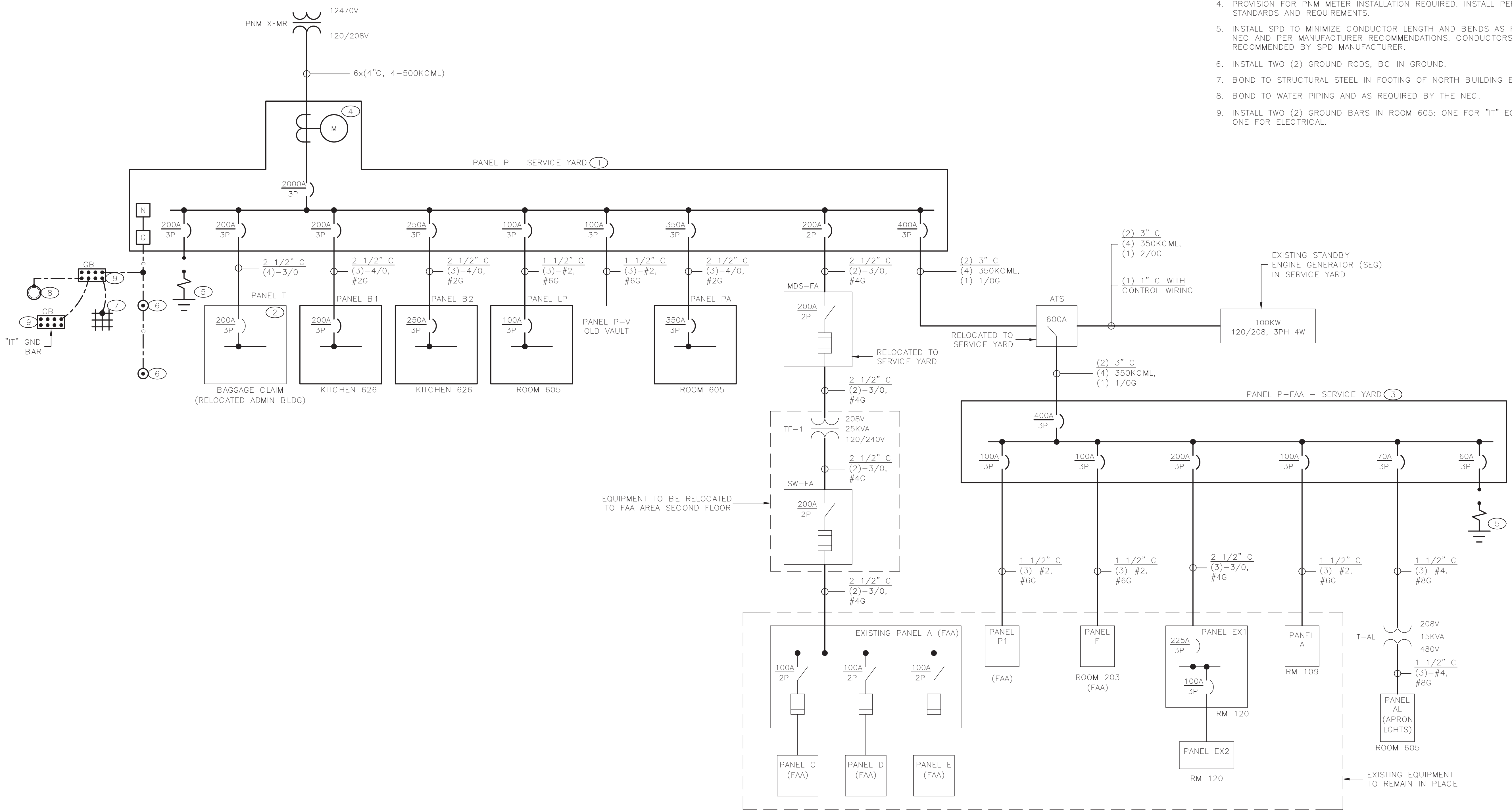
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NUMERIC SCALE CONFIRMATION
 DRAWINGS ARE DEPICTED AT INTENDED
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 IF THIS BAR EQUALS ONE INCH



REV. NO.	REV. DATE	DESCRIPTION

PROJECT NUMBER: SAF182-13B
 DESIGNED BY: NW
 DRAWN BY: NW
 CHECKED BY: DG
 PRIME DESIGN PROFESSIONAL: JOHN O. PATE
 PROJECT DATE: AUGUST, 2021



MODIFIED ONE-LINE DIAGRAM
 SCALE: NONE

**ELECTRICAL
 MODIFIED
 ONE-LINE DIAGRAM**

**SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
 SANTA FE REGIONAL AIRPORT
 121 AVIATION DR. SANTA FE NM 87507**

EP-601

SHEET

SAFC DATE: 8/22/2021 10:57 AM
 SAFC DATE: 8/22/2021 8:37 AM
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RELOCATED PANEL "T1" *			120/208V 3PH 4W			
CKT. NO.	TRIP/POLES	LOAD SERVED	AMPS	PHASE	LOAD SERVED	TRIP/POLES
1	60/2	BUILDING ACU1 POWER	40.00	A	8.00	GATE EAST
3			40.00	B	8.00	
5	60/2	BUILDING ACU2 POWER	40.00	C		
7			40.00	A		
9	20/1	INTERIOR LIGHTS TYPE A, X	4.87	B	8.00	GATE WEST
11	20/1	EXTERIOR LIGHTS TYPE WP, FLD	3.28	C	8.00	
13		SPACE		A		
15	20/1	RECEPTACLES	9.00	B		
17		SPACE		C		
19			7.80	A		
21	20/3	INCLINE CONVEYOR	7.80	B		
23			7.80	C		
25			7.80	A		
27	20/3	HORIZONTAL CONVEYOR	7.80	B		
29			7.80	C		
31			13.30	A		
33	20/3	OVERHAD DOOR - BAGGAGE CLAIM	13.30	B		
35			13.30	C		
37		SPACE		A		
39		SPACE		B		
41		SPACE		C		
L-N VOLTS 120						
L-L VOLTS 208			Ph A	=	117	AMPS
3 Ph 4 W			Ph B	=	99	AMPS
POLES 42			Ph C	=	80	AMPS
BUS AMPS 200				=	147	AMPS
MCB AMPS 200			100%	=	43	KVA
CB AIC						
AVAIL FLT						ENCLOSURE NEMA 3

NOTE: * - RELOCATED FROM EXTERIOR POWER RACK. LOCATE ADJACENT TO BAGGAGE CLAIM BUILDING. POWERED FROM PNM XFMR.

REPLACED PANEL "P1" *			120/208V 3PH 4W			
CKT. NO.	TRIP/POLES	LOAD SERVED	AMPS	PHASE	LOAD SERVED	TRIP/POLES
1			253.09	A	159.40	
3	350/3	PANEL PA - ROOM 605	259.33	B	159.90	PANEL B1
5			266.93	C	174.40	
7			402.00	A	189.80	
9	700/3	PANEL P-FAA - ROOM 605	402.00	B	196.20	PANEL B2
11			402.00	C	192.04	
13			20.00	A	120.00	
15	30/3	PANEL P - VAULT	20.00	B	120.00	PANEL A (FAA) VIA TF-1
17			20.00	C	120.00	208-120/240V, 25KVA
19			35.83	A	116.90	
21	100/3	LIGHTING PANEL LP	28.30	B	98.77	PANEL T
23			32.60	C	80.18	
25				A		
27				B		
29				C		
31				A		
33				B		
35				C		
37				A		
39	100/3	SPD		B		
41				C		
L-N VOLTS 120						
L-L VOLTS 208			Ph A	=	1297	AMPS
3 Ph 4 W			Ph B	=	1284	AMPS
POLES 42			Ph C	=	1288	AMPS
BUS AMPS 2000				=	1622	AMPS
MCB AMPS 2000			100%	=	468	KVA
CB AIC						
AVAIL FLT						ENCLOSURE NEMA 1

NOTE: * - REPLACED AND RELOCATED FROM BOILER ROOM. POWERED FROM PNM XFMR.

REPLACED PANEL "B1" *			120/208V 3PH 4W			
CKT. NO.	TRIP/POLES	LOAD SERVED	AMPS	PHASE	LOAD SERVED	TRIP/POLES
1	20/1	EXST LOAD		A		RCPT OFFICE
3	20/1	EXST LOAD		B		RCPT CONCESSIONS REST ROOM
5	20/1	EXST LOAD		C		RCPT ENTRY REST ROOM
7	20/1	EXST LOAD		A		HAND DRYER MEN RR
9	20/1	EXST LOAD		B		HAND DRYER WOMEN RR
11	20/1	EXST LOAD		C	2.5	AUTO SWING DOORS #630A, 630B
13	20/1	EXST LOAD		A	1	MOTORIZED SHADE @ GATES 620
15	20/1	EXST LOAD		B	3	TICKETING KIOSKS IN ROOM 620
17	20/1	EXST LOAD		C	13.5	RECEPT: 620,612,611,618
19	20/1	EXST LOAD		A	13.5	RECEPT: 609,616,617,601
21	20/1	EXST LOAD		B	12	RECEPT: 614,605,606,608,619
23	20/1	EXST LOAD		C	13.5	RECEPT: 603,604,614
25	20/1	EXST LOAD		A	48.3	
27	20/1	EXST LOAD		B	48.3	AIR HANDL UNIT AHU-1, MAIN ROOF
29				C	48.3	
31				A	48.3	
33				B	48.3	AIR HANDL UNIT AHU-2, MAIN ROOF
35				C	48.3	
37				A	48.3	
39	30/3	SPD		B	48.3	AIR HANDL UNIT AHU-3, MAIN ROOF
41				C	48.3	
L-N VOLTS 120						
L-L VOLTS 208			Ph A	=	159	AMPS
3 Ph 4 W			Ph B	=	160	AMPS
POLES 42			Ph C	=	174	AMPS
BUS AMPS 225				=	218	AMPS
MCB AMPS 225			100%	=	63	KVA
CB AIC						
AVAIL FLT						ENCLOSURE NEMA 1

NOTE: * - REPLACED PANEL B-SECTION 1 IN DEMOLISHED ROOM 142. POWERED FROM NEW PANEL P

REPLACED PANEL "B2" *			120/208V 3PH 4W			
CKT. NO.	TRIP/POLES	LOAD SERVED	AMPS	PHASE	LOAD SERVED	TRIP/POLES
1	20/1	EXST LOAD		A	24	ESPRESSO MACHINE, BAR 625
3	20/1	EXST LOAD		B	24	
5	20/1	EXST LOAD		C	13	MICROWAVE, BAR 625
7	20/1	EXST LOAD		A	30	OVEN, BAR 625
9	20/1	EXST LOAD		B	30	
11	20/1	EXST LOAD		C	10	FREEZER, KITCHEN 626
13	20/1	EXST LOAD		A	6	REFRIGERATOR 1, KITCHEN 626
15	20/1	RECEPT: 626	7.5	B	6	REFRIGERATOR 2, KITCHEN 626
17	20/1	RECEPT: 625,626	7.5	C	11.9	ICE MAKER, BAR 625
19				A	10	ICE MAKER W/BIN, KITCHEN 626
21				B	10.2	DISPOSER, KITCHEN 626
23	20/1	VENDING MACHINE	12	C	10.2	
25			48.3	A	15	BLENDER, BAR 625
27	80/3	AIR HANDL UNIT AHU-4, MAIN ROOF	48.3	B	19.7	
29			48.3	C	19.7	COFFEE BREWER, BAR 625
31			48.3	A	2.2	REFRIGERATOR 3, BAR 625
33	80/3	AIR HANDL UNIT AHU-5, MAIN ROOF	48.3	B	2.2	REFRIGERATOR 4, BAR 625
35			48.3	C	6.64	LIGHTING, ROOMS 625 THRU 629
37				A	6	RECEPT: 628
39	60/3	SPD		B		
41				C	4.5	EXTERIOR RCPT AT PATIO 670
L-N VOLTS 120						
L-L VOLTS 208			Ph A	=	190	AMPS
3 Ph 4 W			Ph B	=	196	AMPS
POLES 42			Ph C	=	192	AMPS
BUS AMPS 400				=	246	AMPS
MCB AMPS 250			100%	=	71	KVA
CB AIC						
AVAIL FLT						ENCLOSURE NEMA 1

NOTE: * - REPLACED PANEL B-SECTION 2 IN DEMOLISHED ROOM 142. POWERED FROM NEW PANEL P

NEW PANEL "PA"			120/208V 3PH 4W			
CKT. NO.	TRIP/POLES	LOAD SERVED	AMPS	PHASE	LOAD SERVED	TRIP/POLES
1			48.3	A	7.50	WATER HATER WH1, ROOM 604
3	80/3	AIR HANDL UNIT AHU-6, NORTH ROOF	48.3	B	1.40	HW CIRCULATOR, ROOM 604
5			48.3	C	3.9	EXHAUST FAN EF1, NORTH ROOF
7			48.3	A	0.36	FAN COIL FC1, NORTH ROOM 605
9	80/3	AIR HANDL UNIT AHU-7, NORTH ROOF	48.3	B	8.34	
11			48.3	C	8.34	UNIT HEATER UH-1, NORTH ROOM 604
13			48.3	A	8.34	
15	80/3	AIR HANDL UNIT AHU-8, NORTH ROOF	48.3	B	8.34	
17			48.3	C	8.34	UNIT HEATER UH-2, NORTH ROOM 603
19			48.3	A	8.34	
21	80/3	AIR HANDL UNIT AHU-9, NORTH ROOF	48.3	B	7.95	AIR COND UNIT CU-1, NORTH ROOF
23			48.3	C	7.95	
25			11	A	2.7	BOILER B-1, NORTH ROOM 604
27	20/3	HEATING WATER CIRCULATION PUMP P-1, NORTH ROOM 604	11	B	2.7	BOILER B-2, NORTH ROOM 604
29			11	C	13	MICROWAVE, ROOM 616
31			11	A	0.45	TIME CLOCK & SOLENOID VALVE
33	20/3	HEATING WATER CIRCULATION PUMP P-2, NORTH ROOM 604	11	B	13.2	AUTO SLIDING DOORS #601A, 601B
35			11	C	10.2	DISPOSER, ROOM 616
37				A	10.2	
39	60/3	SPD		B	2.2	REFRIGERATOR 3, ROOM 616
41				C		
L-N VOLTS 120						
L-L VOLTS 208			Ph A	=	253	AMPS
3 Ph 4 W			Ph B	=	259	AMPS
POLES 42			Ph C	=	267	AMPS
BUS AMPS 400				=	334	AMPS
MCB AMPS 350			100%	=	97	KVA
CB AIC						
AVAIL FLT						ENCLOSURE NEMA 1

NEW PANEL "P-FAA"			120/208V 3PH 4W			
CKT. NO.	TRIP/POLES	LOAD SERVED	AMPS	PHASE	LOAD SERVED	TRIP/POLES
1			150.00	A	70.00	
3	200/3	PANEL "EX" - ROOM 120	150.00	B	70.00	PANEL A - ROOM 109
5			150.00	C	70.00	
7			70.00	A	70.00	
9	100/3	PANEL F (FAA) - ROOM 203	70.00	B	70.00	PANEL P1 (FAA)
11			70.00	C	70.00	
13				A	42.00	PANEL AL - ROOM 605
15				B	42.00	VIA 208-480V XFMR
17				C	42.00	
19				A		
21				B		
23				C		
25				A		
27				B		
29				C		
31				A		
33				B		
35				C		
37				A		
39	60/3	SPD		B		
41				C		
L-N VOLTS 120						
L-L VOLTS 208			Ph A	=	402	AMPS
3 Ph 4 W			Ph B	=	402	AMPS
POLES 42			Ph C	=	402	AMPS
BUS AMPS 400				=	503	AMPS
MCB AMPS 400			100%	=	145	KVA
CB AIC						
AVAIL FLT						ENCLOSURE NEMA 1

NOTE: * - REPLACED PANEL B-SECTION 1 IN DEMOLISHED ROOM 142. POWERED FROM NEW PANEL P

MODIFIED EXISTING PANEL "A"			200A MLO, 120/208V 3PH 4W			
CKT. NO.	TRIP/POLES	LOAD SERVED	AMPS	PHASE	LOAD SERVED	TRIP/POLES
1	20/1	CONCORSE LIGHTS		A	HAND DRYER GFI RCPT - MEN	20/1 2
3	20/1	LOBBY LIGHTS		B	HAND DRYER GFI RCPT - WOMEN	20/1 4
5	20/1	BATH RM/ LIGHT RCPT		C	FACP	20/1 6
7	20/1	OFFICE LIGHT		A	ANGIE/BACK LIGHTS	20/1 8
9	20/1	SOFFIT LIGHT		B	ROOM 114 PLUGS MID WALL	20/1 10
11	20/1	TERMINAL COUNTER		C	ROOM 114 LIGHT	20/1 12
13	20/1	BAGGAGE CLAIM S. WALL RCPT		A	OFFICE RCPT	20/1 14
15	20/1	COUNTER RCPT		B	LOBBY RCPT	20/1 16
17	20/1	MMNG PORTAL		C	OFFICE RCPT	20/1 18
19	20/1	EXTERIOR LIGHTS		A	CONCOURSE RCPT	20/1 20

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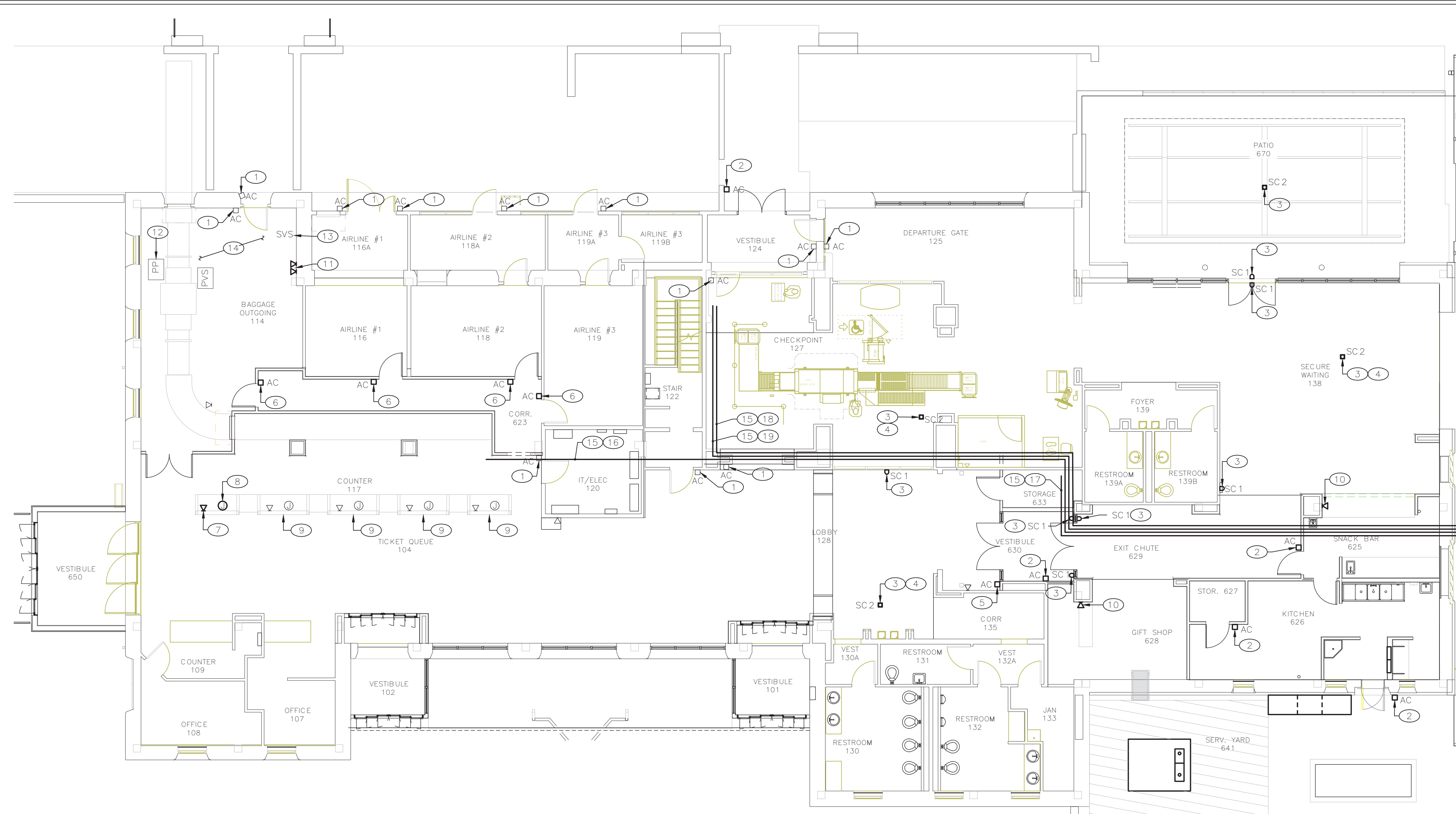
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REV. NO.	REV. DATE	DESCRIPTION

PROJECT NUMBER:	SAFT182-13B
DESIGNED BY:	NW
DRAWN BY:	NW
CHECKED BY:	DC
PRIME DESIGN PROFESSIONAL:	JOHN Q. PATE
PROJECT DATE:	AUGUST, 2021



SECURITY CAMERA SCHEDULE

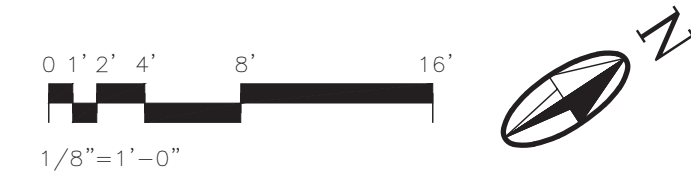
TYPE	MODEL	MFR	LOCATION	ACCESSORIES	Q-TY
SC1	CD51	VERKADA	WALL	ACC-MNT-3	7
SC2	CD51	VERKADA	CEILING	ACC-MNT-8	4

ABBREVIATION
 AC ACCESS CONTROL
 SC SECURITY CAMERA

KEYED NOTES

- EXISTING ACCESS CONTROL DEVISE TO REMAIN IN PLACE.
- INSTALL JUNCTION BOX FOR NEW ACCESS CONTROL DEVICE. SHOWN HERE FOR DRAFTING PURPOSES. COORDINATE EXACT LOCATION IN FIELD.
- INSTALL JUNCTION BOX FOR NEW SECURITY CAMERA IN RENOVATED AREA. SHOWN HERE FOR DRAFTING PURPOSES. COORDINATE EXACT LOCATION IN FIELD.
- INSTALL JUNCTION BOX FOR SECURITY CAMERA BETWEEN EXPOSED WOOD BEAMS. INSTALL CONDUIT WITH PULL STRING BETWEEN JUNCTION BOX AND IT ROOM 120.
- SECURITY CAMERA SCHEDULE IS FOR REFERENCE ONLY. VERKADA WILL PROVIDE APPROPRIATE DEVICES.
- INSTALL ACCESS CONTROL DEVICE REMOVED FROM AREA OF DEMOLITION.
- INSTALL DOUBLE GANG BOX AND TELEPHONE PLATE. INSTALL 10-5 PAIR TELEPHONE CABLE FROM TELEPHONE BOX TO DEVICE. PROVIDE 1 1/2" CONDUIT FROM WIREWAY TO TELEPHONE BOX.
- INSTALL 4" SQUARE JUNCTION BOX NEXT TO TELEPHONE BOX. CONNECT WITH 1" CONDUIT AND STUB 1" CONDUIT INTO WIREWAY BELOW CABINET FOR COMPUTER CABLES. INSTALL DATA OUTLET COVER FOR 4 CONNECTIONS. CONNECT TO TELEPHONE BOX WITH CAT 5E CABLE.
- EXISTING DATA AND TELEPHONE EQUIPMENT TO BE REARRANGED AND RECONNECTED.
- CONNECT TO IT ROOM WITH CAT 5 CABLE IN 3/4" CONDUIT.
- INSTALL NEW WALL MOUNTED BOX WITH TWO (2) DATA JACKS.
- FURNISH POWER POLE WITH TWO (2) NEW DATA JACKS INTERCONNECTED TO THE TSA IT CABINET.
- INSTALL WALL MOUNTED PULL BOX FURNISHED FOR FIBER OPTIC JUMPER CABLE BETWEEN SVS AND PVS.
- NEW DEDICATED CONDUIT RUN FOR THE FIBER OPTIC JUMPER CABLE TO BE INSTALLED AND ROUTED OVERHEAD BETWEEN POWER POLE AND PULL BOX AT THE PVS AND SVS.
- CONDUIT ROUTING SHOWN FOR DRAFTING PURPOSES ONLY. COORDINATE EXACT ROUTING IN FIELD.
- 4" CONDUIT FROM COUNTER AREA/ACCESSIBLE CEILING TO NEW IT AREA.
- 2" CONDUIT "IDF" STORAGE TO NEW IT AREA.
- 2" CONDUIT FROM ROOF TOP TOWER TO NEW IT AREA.
- 3" CONDUIT FROM "B-MARC" IN TOWER TO NEW IT AREA.

MAIN TERMINAL SECURITY PLAN
 SCALE: 1/8"=1'-0"



GENERAL NOTES

- SECURITY DEVICES TO BE SUPPLIED BY VERKADA AND INSTALLED AND WIRED BY CAMNET.
- CONTRACTOR TO PROVIDE AND INSTALL NECESSARY JUNCTION BOXES FOR SECURITY DEVICES INSTALLATION.
- CONTRACTOR TO INSTALL CONDUITS WITH PULL STRING BETWEEN JUNCTION BOXES AND IT ROOM 120. COORDINATE EXACT CONDUIT ROUTING IN FIELD.

**ELECTRICAL
 MAIN TERMINAL
 SECURITY PLAN**

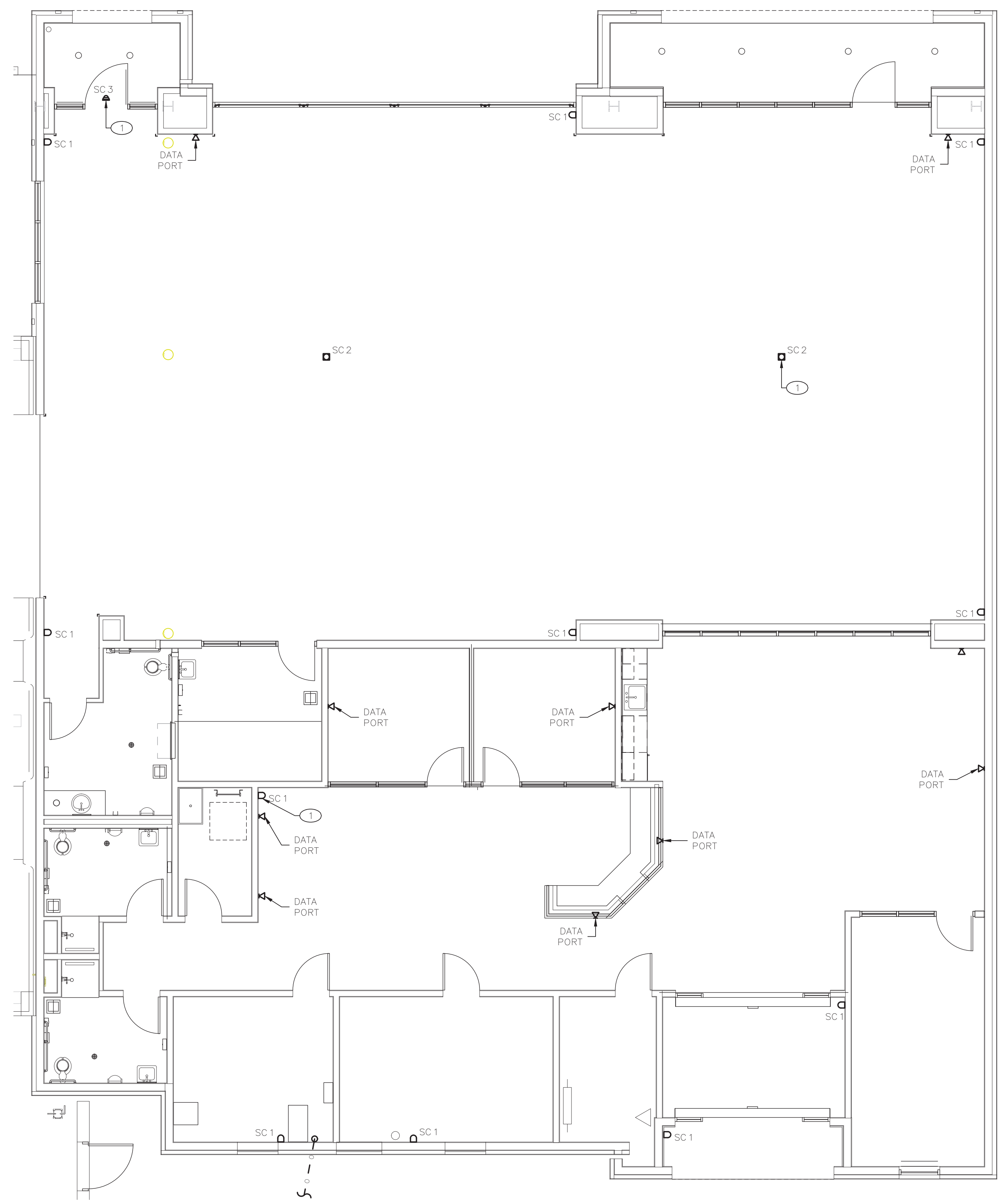
SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
 SANTA FE REGIONAL AIRPORT
 121 AVIATION DR. SANTA FE NM 87507

ES-111

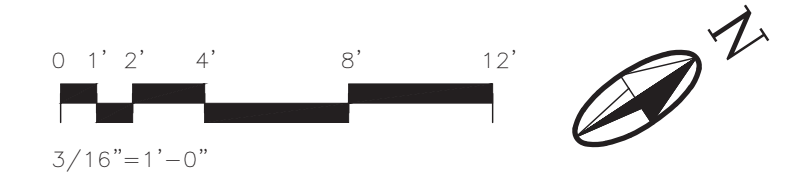
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 SAVE DATE: 8/22/2021 8:39 AM
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NORTH EXPANSION SECURITY PLAN
 SCALE: 3/16"=1'-0"



ABBREVIATION
 SC SECURITY CAMERA

②

SECURITY CAMERA SCHEDULE						
TYPE	MODEL	MFR	LOCATION	MOUNTING	Q-TY	
SC1	CD51	VERKADA	WALL	ACC-MNT-3	11	
SC2	CD51	VERKADA	CEILING	ACC-MNT-8	2	
SC3	CD41	VERKADA	WALL	NA	2	

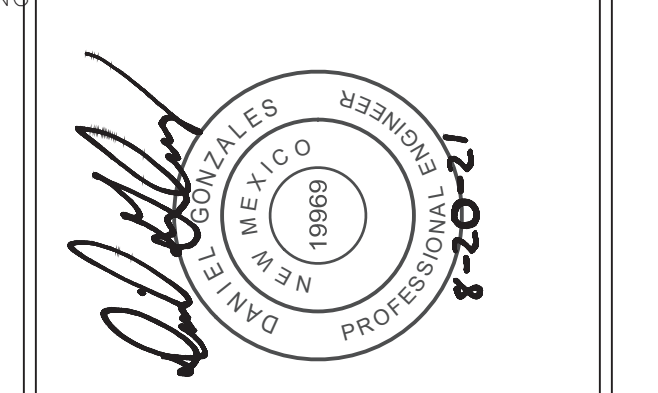
- GENERAL NOTES**
- A. SECURITY DEVICES TO BE SUPPLIED BY VERKADA AND INSTALLED AND WIRED BY CAMNET.
 - B. CONTRACTOR TO PROVIDE AND INSTALL NECESSARY JUNCTION BOXES FOR SECURITY DEVICES INSTALLATION.
 - C. CONTRACTOR TO INSTALL CONDUITS WITH PULL STRING BETWEEN JUNCTION BOXES AND IT ROOM 120. COORDINATE EXACT CONDUIT ROUTING IN FIELD.
 - B. ALL DATA PORTS TO BE CONNECTED TO IT ROOM WITH CAT 5 CABLE IN 3/4" CONDUIT.

- KEYED NOTES** ①
- 1. INSTALL JUNCTION BOX FOR SECURITY CAMERA. SHOWN HERE FOR DRAFTING PURPOSES. COORDINATE EXACT LOCATION IN FIELD. TYPICAL.
 - 2. SECURITY CAMERA SCHEDULE IS FOR REFERENCE ONLY. VERKADA WILL PROVIDE APPROPRIATE DEVICES.

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PROJECT NUMBER: SAF182-13B
 DESIGNED BY: NW
 DRAWN BY: NW
 CHECKED BY: DG
 PRIME DESIGN PROFESSIONAL: JOHN Q. PATE
 PROJECT DATE: AUGUST, 2021

**ELECTRICAL
 NORTH EXPANSION
 SECURITY PLAN**

**SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
 SANTA FE REGIONAL AIRPORT
 121 AVIATION DR. SANTA FE NM 87507**

ES-112
 SHEET

ABBREVIATION

AC ACCESS CONTROL
 SC SECURITY CAMERA

GENERAL NOTES

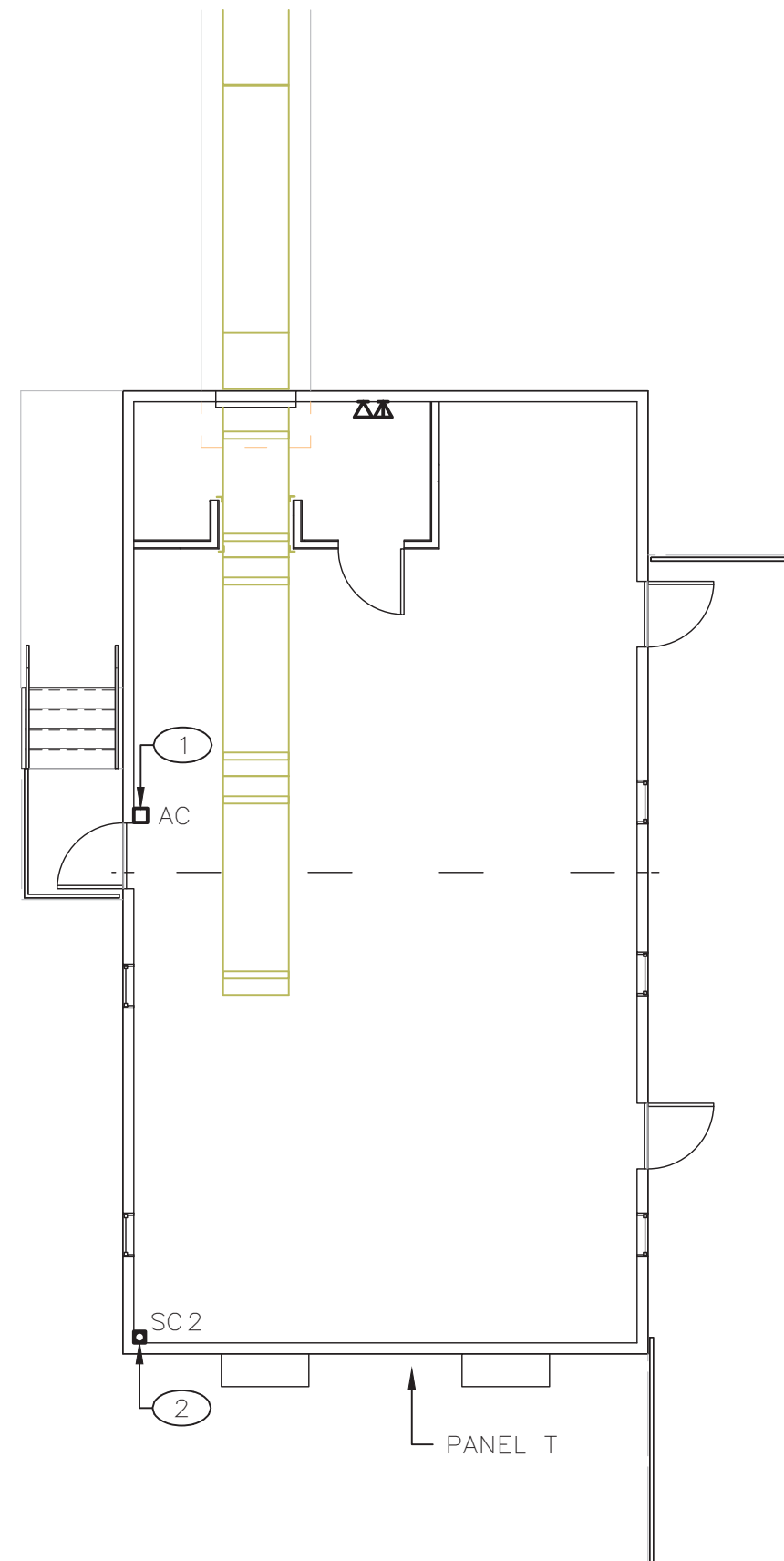
- A. SECURITY DEVICES TO BE SUPPLIED BY VERKADA AND INSTALLED AND WIRED BY CAMNET.
- B. CONTRACTOR TO PROVIDE AND INSTALL NECESSARY JUNCTION BOXES FOR SECURITY DEVICES INSTALLATION.
- C. CONTRACTOR TO INSTALL CONDUITS WITH PULL STRING BETWEEN JUNCTION BOXES AND IT ROOM 120. COORDINATE EXACT CONDUIT ROUTING IN FIELD.

KEYED NOTES (#)

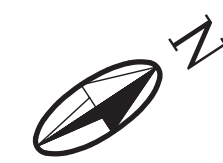
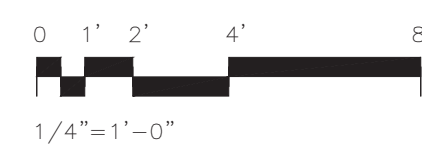
- 1. INSTALL JUNCTION BOX FOR ACCESS CONTROL DEVICE, SHOWN HERE FOR DRAFTING PURPOSES. COORDINATE EXACT LOCATION IN FIELD.
- 2. INSTALL JUNCTION BOX FOR SECURITY CAMERA, SHOWN HERE FOR DRAFTING PURPOSES. COORDINATE EXACT LOCATION IN FIELD.
- 3. SECURITY CAMERA SCHEDULE IS FOR REFERENCE ONLY. VERKADA WILL PROVIDE APPROPRIATE DEVICES.

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SECURITY CAMERA SCHEDULE					
TYPE	MODEL	MFR	LOCATION	ACCESSORIES	Q-TY
SC1	CD51	VERKADA	WALL	ACC-MNT-3	1



BAGGAGE CLAIM SECURITY PLAN
 SCALE: 1/4"=1'-0"

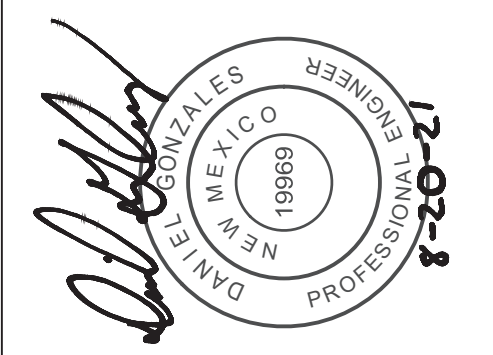


MOLZENCORBIN

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NOTICE OF EXTENDED PAYMENT PROVISION:
 THIS CONTRACT ALLOWS THE OWNER TO MAKE
 PAYMENT WITHIN 45 DAYS AFTER SUBMISSION
 OF AN UNDISPUTED REQUEST FOR PAYMENT

NUMERIC SCALE CONFIRMATION
 DRAWINGS ARE DEPICTED AT INTENDED
 NUMERIC SCALES
 IF THIS BAR EQUALS ONE INCH



REV. NO.	REV. DATE	DESCRIPTION

PROJECT NUMBER:	SAF182-13B
DESIGNED BY:	NW
DRAWN BY:	NW
CHECKED BY:	DG
PRIME DESIGN PROFESSIONAL:	JOHN. Q. PATE
PROJECT DATE:	AUGUST, 2021

**ELECTRICAL
 BAGGAGE CLAIM
 SECURITY PLAN**

**SANTA FE AIRPORT TERMINAL RENOVATION AND EXPANSION
 SANTA FE REGIONAL AIRPORT
 121 AVIATION DR. SANTA FE NM 87507**

ES-113

SHEET