



SCOPE OF WORK - ROOF REPLACEMENT

- EXISTING CONDITIONS

 A. EXISTING ROOF AREA SCHEDULED FOR IMPROVEMENT'S
 APPROXIMATELY 30,600 sf.
- EXISTING ROOF SYSTEM IS BUILT-UP ROOFING (BUR), AND ASSUMED TO BE THE ORIGINAL ROOF, CIRCA 1970-71.
- C. BASED ON FIELD VERIFICATION ON 3/23/2022, THE EXISTING ROOF SYSTEM IS ONE LAYER OF BUR, APPROXIMATELY 3/8 in THICK, AND ADHERED DIRECTLY TO THE ROOF SHEATHING WITHOUT A SEPARATION LAYER.
- D. THE OWNER WILL COORDINATE THE EXISTING ROOF TO BE CORED TO THE ROOF DECK AT MULTIPLE LOCATIONS AND AVAILABLE TO VIEW AT THE PRE-BID MEETING.
- E. SEE SHEETS A121-2 AND A171-3 FOR INFORMATION ABOUT EXISTING ELEMENTS ON THE ROOF. UNLESS NOTED TO BE REMOVED, EXISTING ELEMENTS TO REMAIN AND THE NEW ROOFING SYSTEM TO TERMINATE AT THE TOP OF THE CURBS OR WITH FLASHING BOOTS PER THE MANUFACTURER'S REQUIREMENTS. FIELD VERIFY THE LOCATIONS AND DIMENSIONS OF ALL ELEMENTS. NOTIFY THE ARCHITECT PRIOR TO THE FIVE DAYS BEFORE THE BID OPENING IF BIDDEI RECOMMENDS THE CURB OF ANY EXISTING ELEMENT TO BE INCREASED IN HEIGHT.
- F. AN ASBESTOS EVALUATION WAS PREFORMED AND ASBESTOS-CONTAINING MATERIALS WERE FOUND IN ISOLATED AREAS. THE OWNER WILL ABATE THE MATERIAL UNDER A SEPARATE CONTRACT. SEE THE TECHNICAL SPECIFICATIONS FOR MORE INFORMATION.
 - THE EXISTING ROOF STRUCTURE IS 2x WOOD T&G DECKING OVER WOOD PURLINS WITH 1/2" PLYWOOD OVER DECKING THE PURLINS ARE SPACED AT APPROXIMATELY 7 ft O.C., SPANNING FROM WOOD BEAMS. THE WOOD BEAMS ARE LOCATED AT EACH NORTH-SOUTH GRID LINE.
- H. THE EXISTING PERIMETER WALLS ARE CONCRETE THAT UP WALLS. THE ORIGINAL DRAWINGS INDICATE THE WALLS ARE 6 in. THICK.

DEMOLITION

- EXISTING ROOFING TO REMAIN EXCEPT AT VERTICAL LOCATIONS (CURBS AND WALLS) AND ELSEWHERE NOTED IN THESE DRAWINGS. SEE 5A/A161 AND 6/A162 FOR MORE INFORMATION.
- NOTE THERE ARE THREE LOW-ROOF BUILDING AREAS, TWO ON THE NORTH AND ONE ON THE WEST THAT ARE NOT INCLUDED IN THE SCOPE OF WORK. THE EXISTING ROOFING ON THESE BUILDING AREAS TO REMAIN.
- K. EXISTING COUNTERFLASHING TO BE REMOVED AND BEPLACED WITH NEW UNLESS NOTED OTHERWISE
- SEQUENCE WORK ACTIVITY SO THAT EXISTING ROOF SURFACE IS PROTECTED THE EXISTING ROOF SHEATHING ASSEMBLY AGAINST WATER EXPOSURE AT THE END OF EACH WORK DAY.
- COORDINATE WITH OWNER OR ARCHITECT THE INSPECTION OF ALL EXISTING ROOF DECKING AFTER IT IS EXPOSED AND PRIOR TO COVERING. DAMAGED ROOF DECKING WILL BE REPAIRED AS ADDITIONAL WORK.

SCOPE OF WORK - ROOF REPLACEMENT (Cont.) ROOF REPLACEMENT

N. PREP EXISTING SURFACES FOR ATTACHMENT OF ROOFING SYSTEM RER MANUFACTURER'S REQUIREMENTS.

16

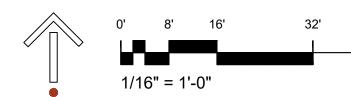
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- PROVIDE WOOD FRAMED ROOF CRICKETS PER THE DRAWINGS TO IMPROVE ROOF DRAINAGE AT THE ROOF PERIMETER. IN LIEU OF WOOD FRAMED ROOF CRICKETS, CONTRACTOR CAN CHOICE TO INSTALL TAPERED POLYISOCYANURATE INSULATION OF THE SAME DIMENSIONS AS THE NEW CRICKETS.
- P. PROVIDE NEW ROOF DRAINS IN FRAMED SUMPS NEAR EXISTING SCUPPERS TO IMPROVE ROOF DRAINAGE PER THE DRAWINGS.
- Q. ROUTE NEW DRAIN PIPING HORIZONTALLY TIGHT TO UNDERSIDE OF ROOF STRUCTURE WITH ADEQUATE DRAINAGE TO PERIMETER WALL, THEN DOWN INSIDE FACE OF WALL TO NEW CORED OPENING IN WALL 28 -40in. ABOVE FINISH FLOOR LEVEL, THEN CONNECT TO EXISTING DOWN SPOUT MIN. 6 in ABOVE EXISTING DOWNSPOUT CLEANOUT ASSEMBLY.
- R. INSTALL ROOF ASSEMBLY, INCLUDING FLASHINGS AND TERMINATIONS PER MANUFACTURER'S REQUIREMENTS.

Bid and Permit Set

City of Roseburg

Fulton Shop Bldg Reroof



THIS ROOF SURFACE

NOT IN SCOPE OF

13

14

WORK

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10

11

Door 16

5

6

4

3

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2

THIS ROOF

SURFACE NOT IN

RIDGE

WEST ROOF PLAN - SEE SHEET A121 | EAST ROOF PLAN - SEE SHEET A122

340'-0"

8

SCOPE OF WORK

Roof Plan
Upper Roof

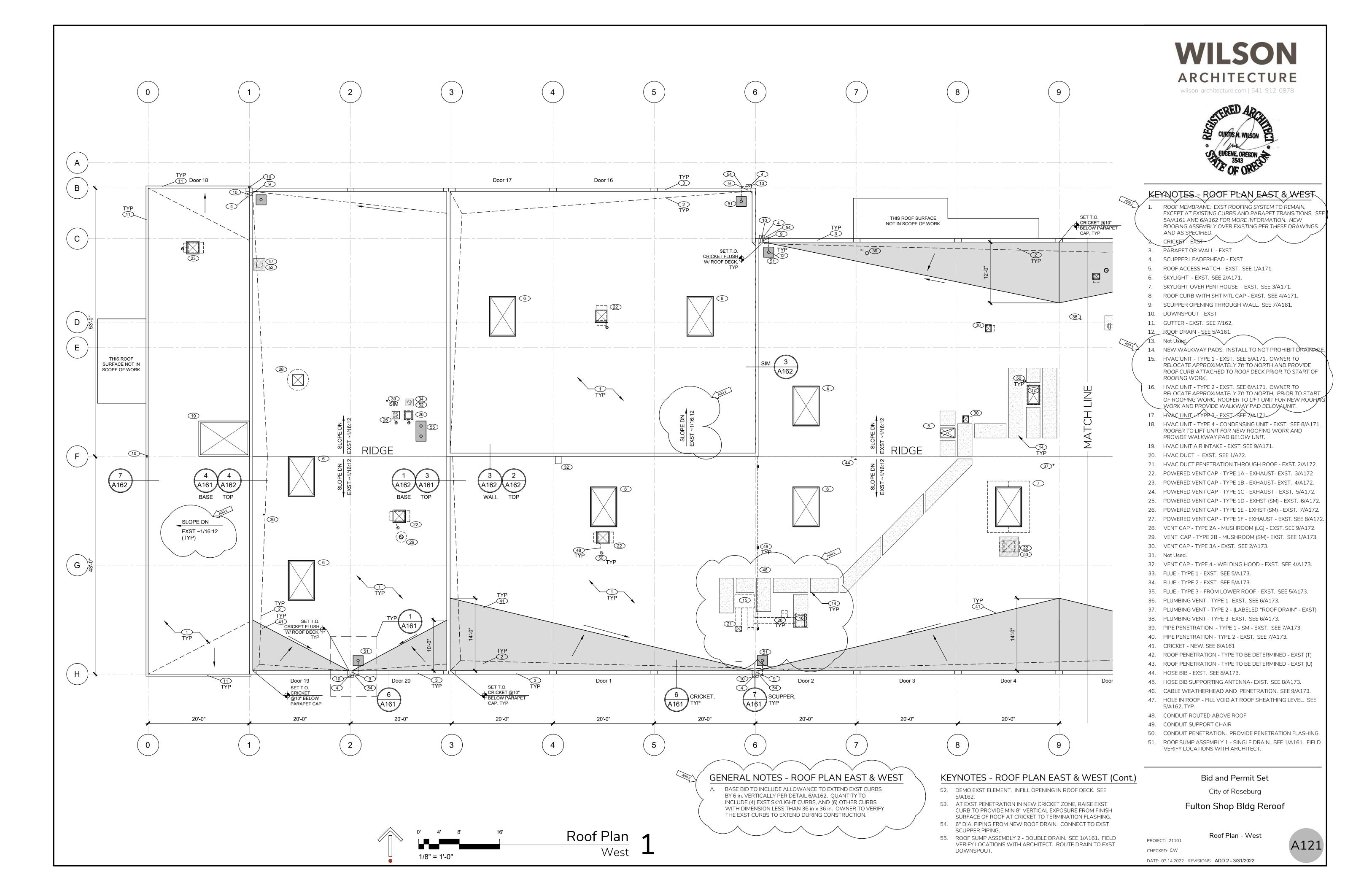
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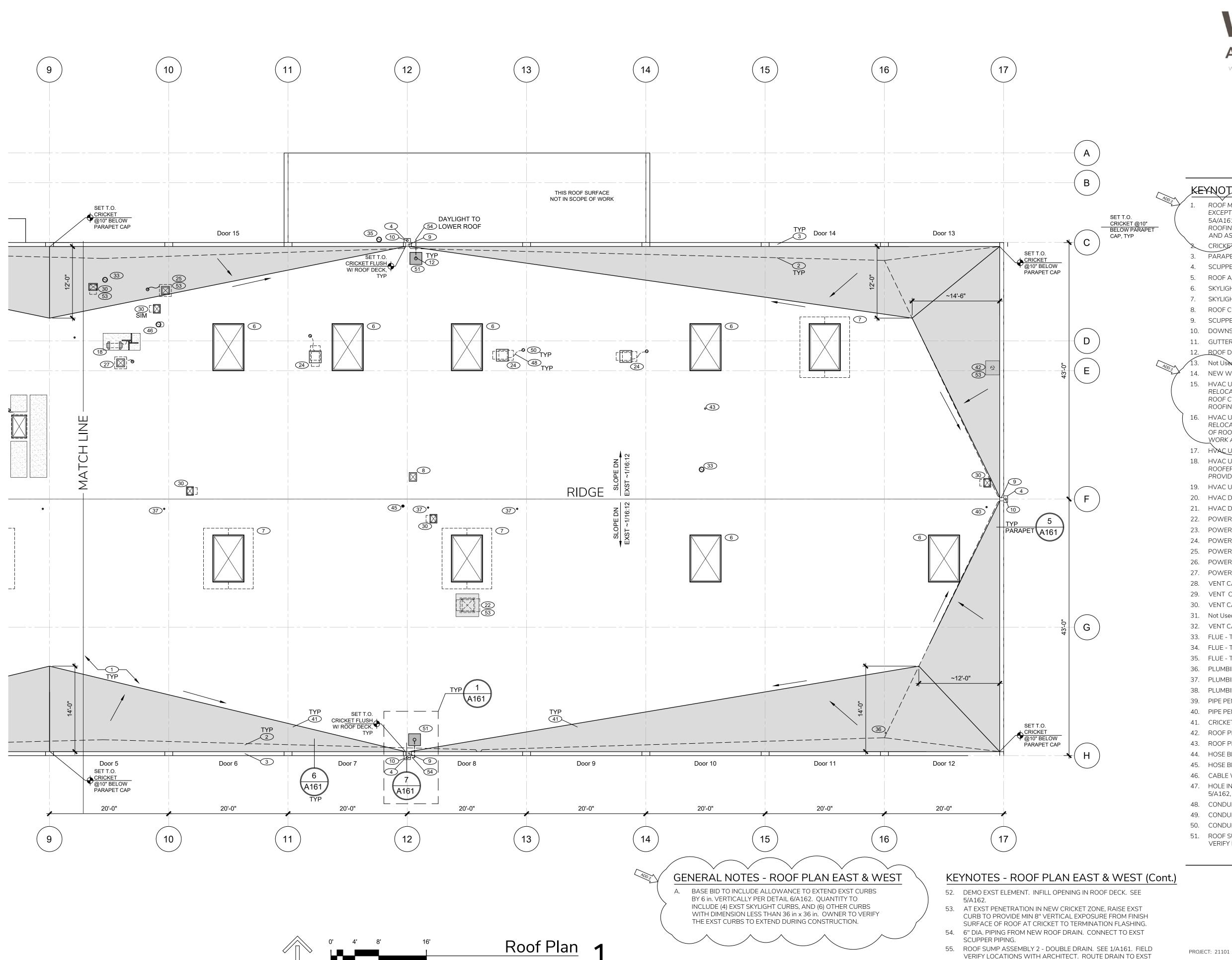
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DATE: 03.14.2022 REVISIONS: **ADD 2 - 3/31/2022**

Roof Plan - Overall

A120





West

1/8" = 1'-0"





KEYNOTES - ROOF PLAN EAST & WEST

- ROOF MEMBRANE. EXST ROOFING SYSTEM TO REMAIN, EXCEPT AT EXISTING CURBS AND PARAPET TRANSITIONS. SE 5A/A161 AND 6/A162 FOR MORE INFORMATION. NEW ROOFING ASSEMBLY OVER EXISTING PER THESE DRAWINGS AND AS SPECIFIED.
- PARAPET OR WALL EXST
- SCUPPER LEADERHEAD EXST
- 5. ROOF ACCESS HATCH EXST. SEE 1/A171.
- SKYLIGHT EXST. SEE 2/A171.
- 7. SKYLIGHT OVER PENTHOUSE EXST. SEE 3/A171.
- 8. ROOF CURB WITH SHT MTL CAP EXST. SEE 4/A171.
- 9. SCUPPER OPENING THROUGH WALL. SEE 7/A161.
- 10. DOWNSPOUT EXST
- 11. GUTTER EXST. SEE 7/162.
- 12. <u>ROOF DRAIN SEE 5/A161</u>.
- 14. NEW WALKWAY PADS. INSTALL TO NOT PROHIBIT DRAINA
- 15. HVAC UNIT TYPE 1 EXST. SEE 5/A171. OWNER TO RELOCATE APPROXIMATELY 7ft TO NORTH AND PROVIDE ROOF CURB ATTACHED TO ROOF DECK PRIOR TO START OF ROOFING WORK.
- 16. HVAC UNIT TYPE 2 EXST. SEE 6/A171. OWNER TO RELOCATE APPROXIMATELY 7ft TO NORTH. PRIOR TO START OF ROOFING WORK. ROOFER TO LIFT UNIT FOR NEW ROOFIN WORK AND PROVIDE WALKWAY PAD BELOWUNIT
- 18. HVAC UNIT TYPE 4 CONDENSING UNIT EXST. SEE 8/A171 ROOFER TO LIFT UNIT FOR NEW ROOFING WORK AND PROVIDE WALKWAY PAD BELOW UNIT.
- 19. HVAC UNIT AIR INTAKE EXST. SEE 9/A171.
- 20. HVAC DUCT EXST. SEE 1/A72.
- 21. HVAC DUCT PENETRATION THROUGH ROOF EXST. 2/A172.
- 22. POWERED VENT CAP TYPE 1A EXHAUST- EXST. 3/A172
- 23. POWERED VENT CAP TYPE 1B EXHAUST- EXST. 4/A172.
- 24. POWERED VENT CAP TYPE 1C EXHAUST EXST. 5/A172. 25. POWERED VENT CAP - TYPE 1D - EXHST (SM) - EXST. 6/A172.
- 26. POWERED VENT CAP TYPE 1E EXHST (SM) EXST. 7/A172.
- 27. POWERED VENT CAP TYPE 1F EXHAUST EXST. SEE 8/A17
- 28. VENT CAP TYPE 2A MUSHROOM (LG) EXST. SEE 9/A172.
- 29. VENT CAP TYPE 2B MUSHROOM (SM)- EXST. SEE 1/A173.
- 30. VENT CAP TYPE 3A EXST. SEE 2/A173.
- 31. Not Used.
- 32. VENT CAP TYPE 4 WELDING HOOD EXST. SEE 4/A173.
- 33. FLUE TYPE 1 EXST. SEE 5/A173. 34. FLUE - TYPE 2 - EXST. SEE 5/A173.
- 35. FLUE TYPE 3 FROM LOWER ROOF EXST. SEE 5/A173.
- 36. PLUMBING VENT TYPE 1- EXST. SEE 6/A173.
- 37. PLUMBING VENT TYPE 2 (LABELED "ROOF DRAIN" EXST) 38. PLUMBING VENT - TYPE 3- EXST. SEE 6/A173.
- 39. PIPE PENETRATION TYPE 1 SM EXST. SEE 7/A173.
- 40. PIPE PENETRATION TYPE 2 EXST. SEE 7/A173.
- 41. CRICKET NEW. SEE 6/A161
- 42. ROOF PENETRATION TYPE TO BE DETERMINED EXST (T) 43. ROOF PENETRATION - TYPE TO BE DETERMINED - EXST (U)
- 44. HOSE BIB EXST. SEE 8/A173. 45. HOSE BIB SUPPORTING ANTENNA- EXST. SEE 8/A173.
- 46. CABLE WEATHERHEAD AND PENETRATION. SEE 9/A173.
- 47. HOLE IN ROOF FILL VOID AT ROOF SHEATHING LEVEL. SEE 5/A162, TYP.
- 48. CONDUIT ROUTED ABOVE ROOF
- 49. CONDUIT SUPPORT CHAIR
- 50. CONDUIT PENETRATION. PROVIDE PENETRATION FLASHING
- 51. ROOF SUMP ASSEMBLY 1 SINGLE DRAIN. SEE 1/A161. FIELD VERIFY LOCATIONS WITH ARCHITECT.

Bid and Permit Set

City of Roseburg

Fulton Shop Bldg Reroof

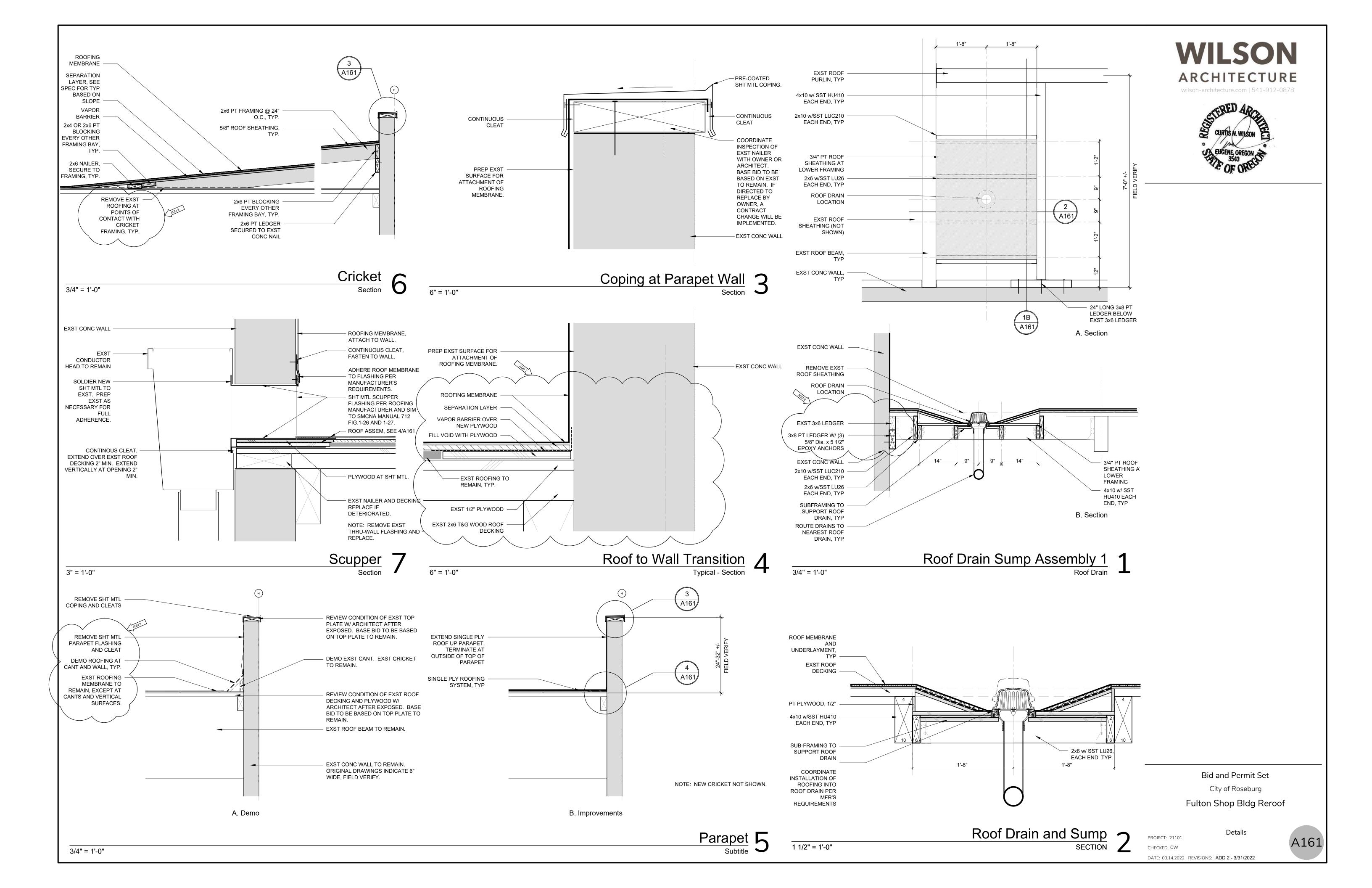
Roof Plan - East

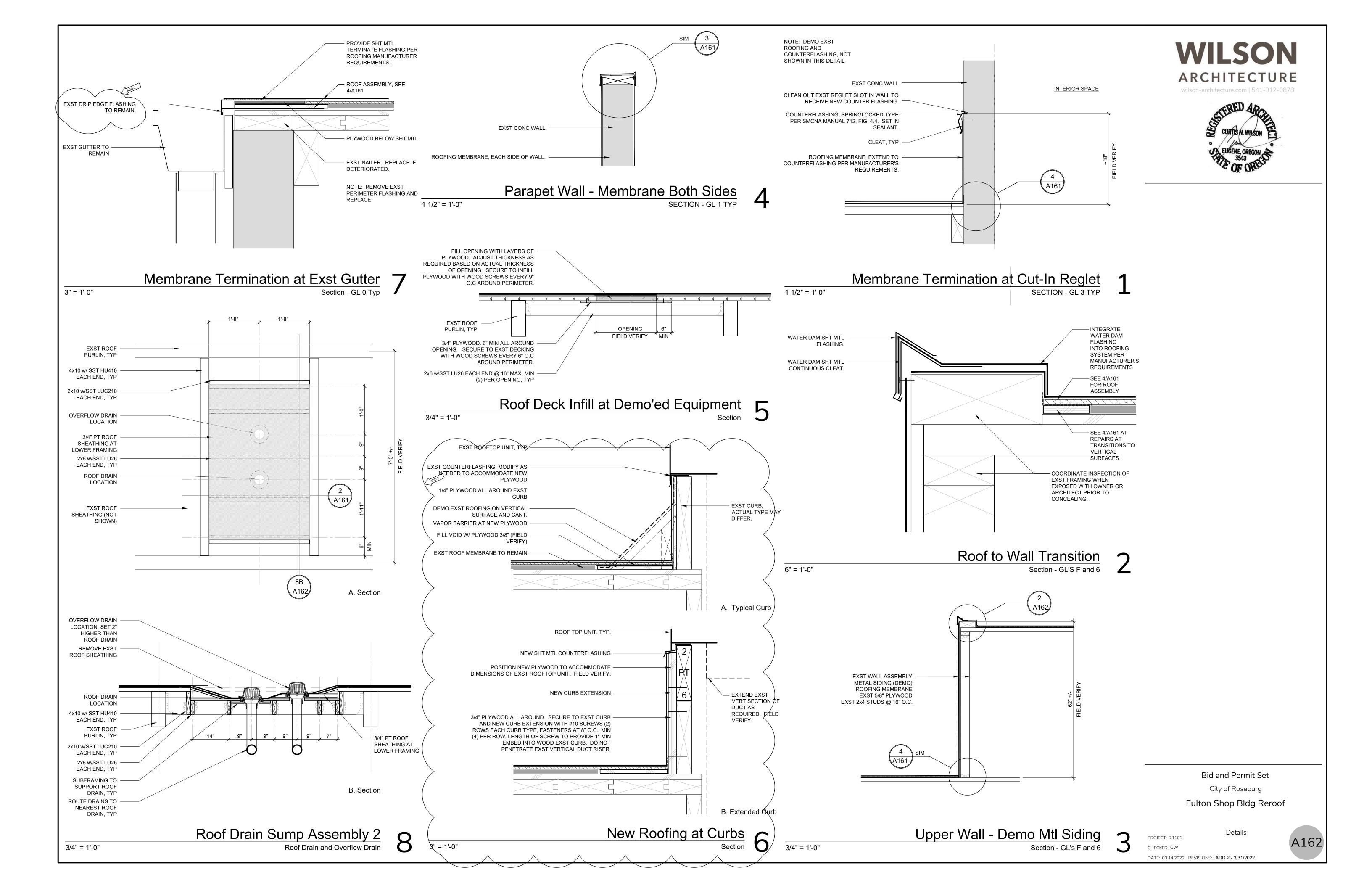
A122

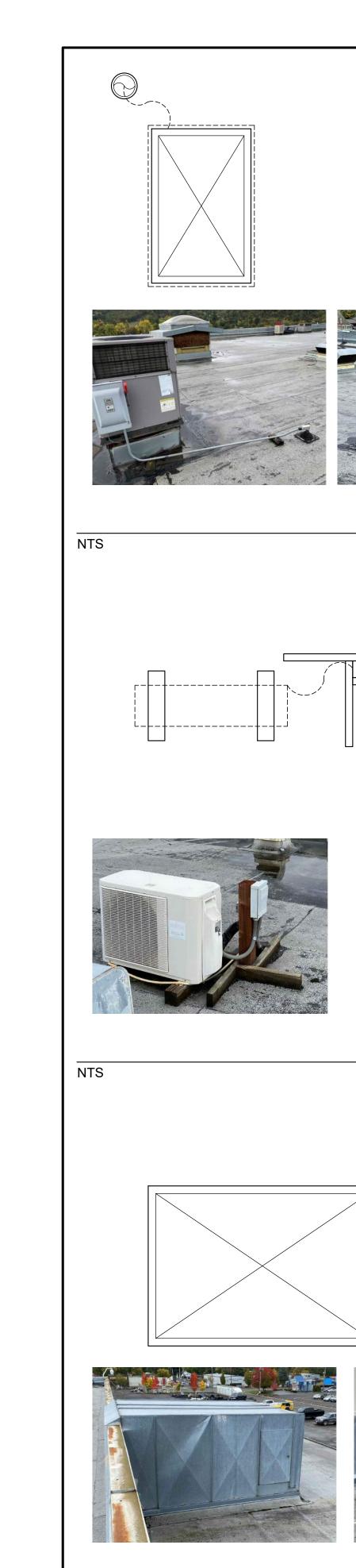
DATE: 03.14.2022 REVISIONS: **ADD 2 - 3/31/2022**

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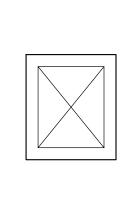
DOWNSPOUT.

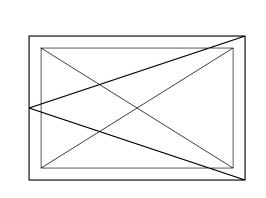






NTS











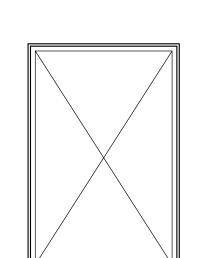




8. Roof Curb

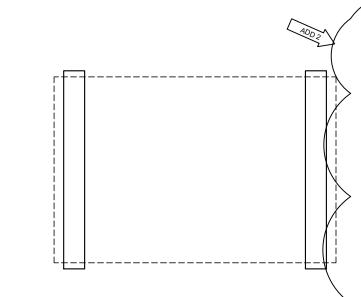


5. Roof Access Hatch



THE EXISTING SKYLIGHT CURBS INCORPORATE A CANT FOR THE HORIZONTAL TO VERTICAL TRANSITION OF THE EXISTING BUR SYSTEM. IN ADDITION, THE CANT MARGINALLY FUNCTIONS AS A DIVERTER CRICKET ON THE HIGH SIDE OF THE CURB RELATIVE TO THE ROOF SLOPE.

REMOVE THE EXISTING CANTS ON THE SIDES PARALLEL TO THE ROOF SLOPE, AND ON THE LOW SIDE FACING THE DRAINS. RETAIN THE CANT ON THE HIGH SIDE.



ROOF REPLACEMENT WORK. WHEN UNIT 15 IS RELOCATED, THE UNIT WILL BE PLACED ON A WOOD CURB SECURED TO THE EXISTING ROOF DECK. THE HEIGHT OF THE NEW CURB WILL BE APPROXIMATELY 10 in. ABOVE THE EXISTING ROOF DECK. THE NEW ROOFING TO EXTEND UP THE CURB AND TERMINATE AT COUNTER FLASHING BY OWNER.

THIS PHOTO SHOWS THE EXISTING CONDITIONS FOR HVAC UNIT 15 AS OF 3/23/2022. HOWEVER, THE OWNER WILL RELOCATE THE UNIT

AND ASSOCIATED DUCTWORK AND PENETRATION IN THE ROOF APPROXIMATELY 7 ft TO THE NORTH PRIOR TO THE START OF THE

WHEN THE EXISTING UNIT AND ASSOCIATED WORK IS RELOCATED, ANY PENETRATIONS IN THE ROOF WILL BE PATCH WITH THE EXPECTATION IT WILL REMAIN IN PLACED AND COVERED BY THE NEW ROOFING. CONTRACTOR TO REVIEW PATCH WITH ARCHITECT AT PRE-CONSTRUCTION MEETING. IF IT IS DETERMINED TO MODIFY THE PATCH, THE MODIFICATION WILL BE / MANAGED AS A CHANGE TO THE CONTRACT.





15. HVAC Unit Type 1 - Exst 5

NTS

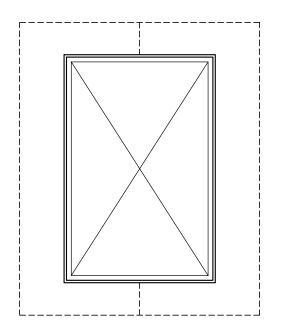
6. Skylight Exst 2



THIS PHOTO SHOWS THE EXISTING CONDITIONS FOR HVAC UNIT 16 AS OF 3/23/2022. HOWEVER, THE OWNER WILL RELOCATE THE UNIT AND ASSOCIATED DUCTWORK AND PENETRATION IN THE ROOF APPROXIMATELY 7 ft TO THE NORTH PRIOR TO THE START OF THE ROOF REPLACEMENT WORK.

WHEN UNIT 16 IS RELOCATED, THE UNIT WILL BE PLACED ON WOOD SKIDS. UNDER THE WORK OF THIS CONTRACT, THE UNIT WILL NEED TO LIFTED TO PLACE THE NEW ROOFING. PROVIDE A WALKWAY PAD BELOW THE SKIDS.

WHEN THE EXISTING UNIT AND ASSOCIATED WORK IS RELOCATED, ANY PENETRATIONS IN THE ROOF WILL BE PATCH WITH THE EXPECTATION IT WILL REMAIN IN PLACED AND COVERED BY THE NEW ROOFING. CONTRACTOR TO REVIEW PATCH WITH ARCHITECT AT PRE-CONSTRUCTION MEETING. IF IT IS DETERMINED TO MODIFY THE PATCH, THE MODIFICATION WILL BE MANAGED AS A CHANGE TO THE CONTRACT.







Bid and Permit Set City of Roseburg Fulton Shop Bldg Reroof

7. Skylight Over Penthouse 🥎

Roof Penetrations CHECKED: CW

19. HVAC Unit
Air Intake - Exst

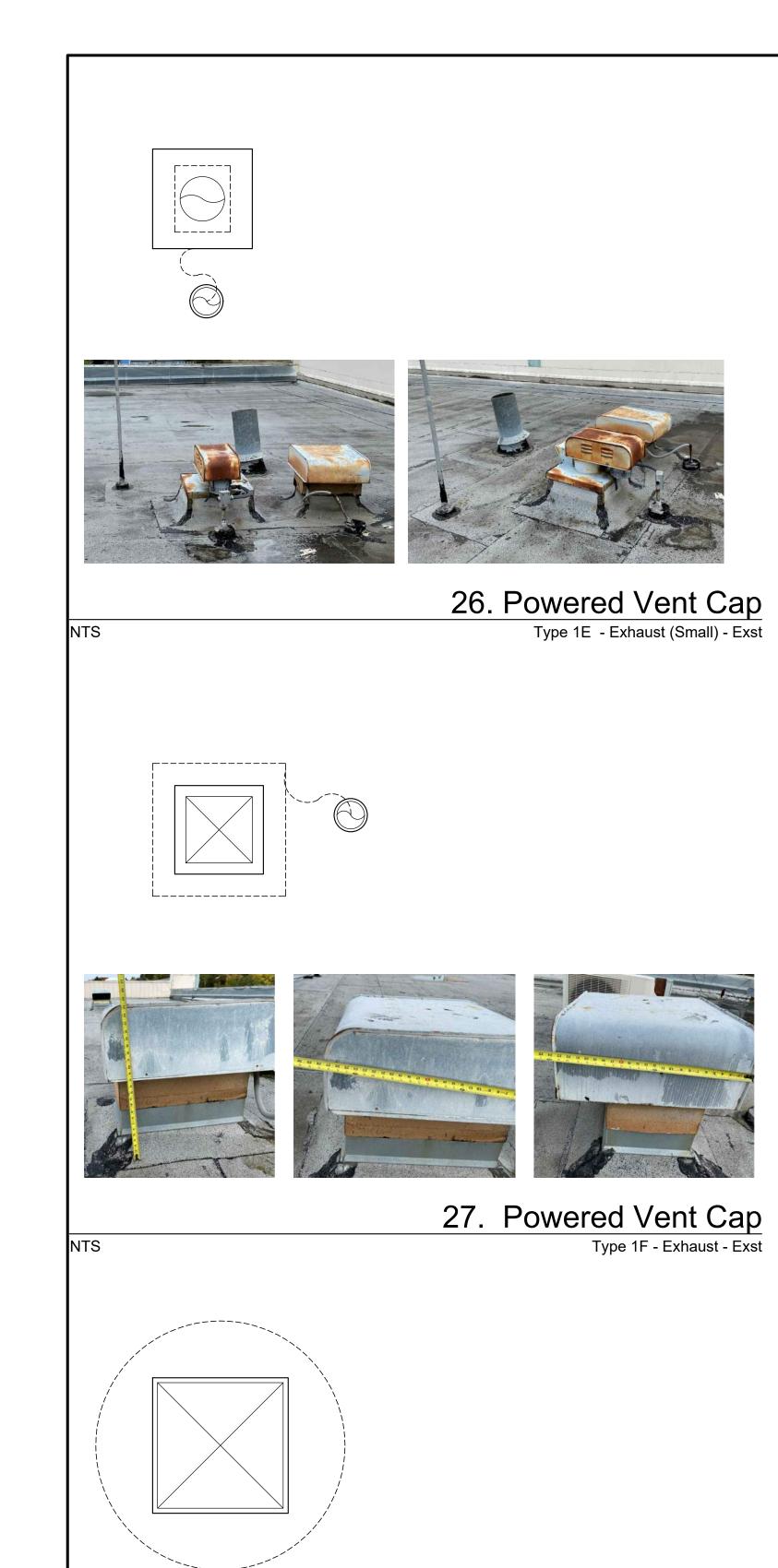
17. HVAC Unit Type 3 - Exst

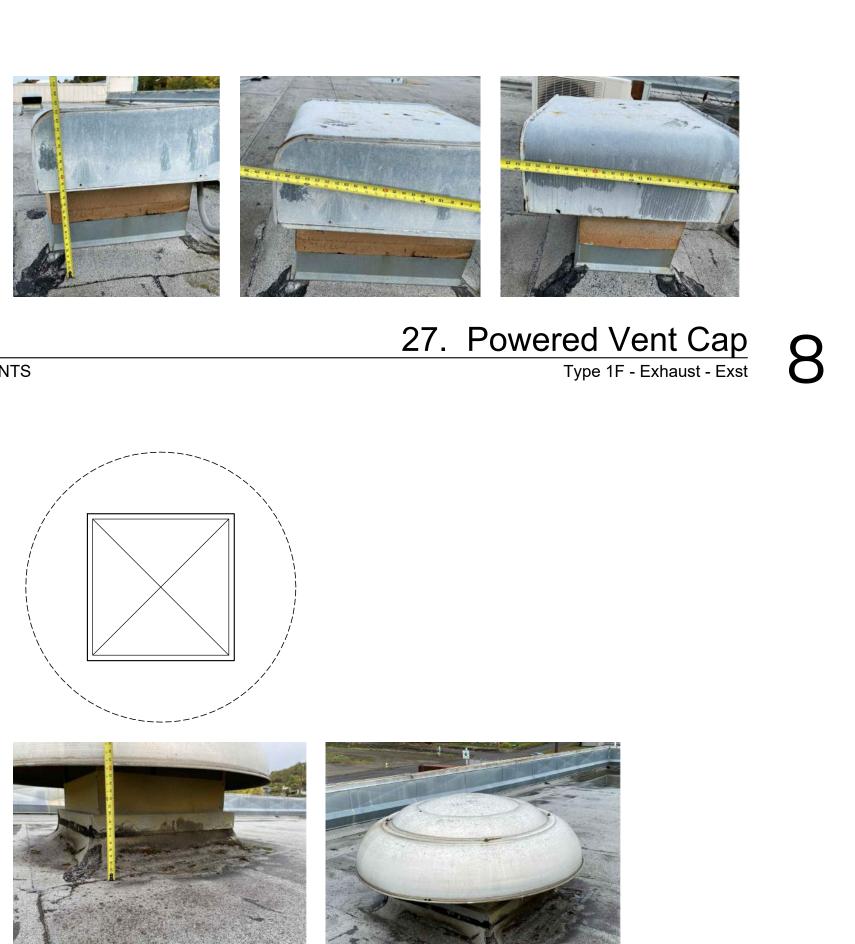
18. HVAC Unit
Type 4 - Condensing Unit - Exst

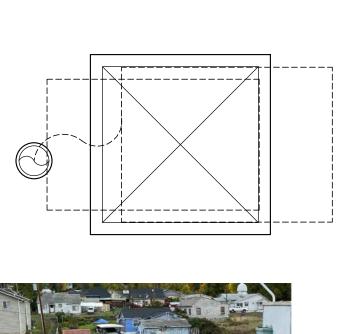
16. HVAC Unit Type 2 - Exst 6

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A171









23. Powered Vent Cap

Type 1B - Exhaust - Exst

20. Duct

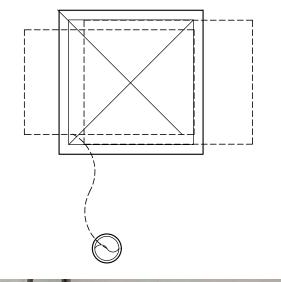
THIS PHOTO SHOWS THE EXISTING CONDITIONS FOR HVAC UNIT 15 AND ASSOCIATED DUCTWORK AS OF 3/23/2022. HOWEVER, THE OWNER WILL RELOCATE THE UNIT AND ASSOCIATED DUCTWORK AND PENETRATION IN THE ROOF APPROXIMATELY 7 ft TO THE NORTH PRIOR TO THE START OF THE ROOF REPLACEMENT WORK.

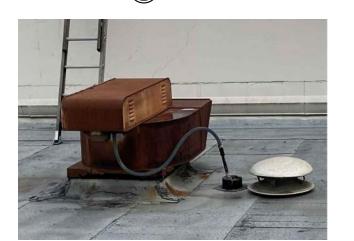
ROOF DECK WILL BE FILLED IN BY THE OWNER, AND PATCHED. THE PENETRATION WILL HAVE A VERTICAL SURFACE OF 10 in. MIN ALL AROUND. EXTEND ROOFING UP VERTICAL SURFACE AND TERMINATE PER MANUFACTURER'S INSTALLATION REQUIREMENTS.

WHEN THE EXISTING UNIT AND ASSOCIATED WORK IS RELOCATED, ANY PENETRATIONS IN THE ROOF WILL BE PATCH WITH THE EXPECTATION IT WILL REMAIN IN PLACED AND COVERED BY THE NEW ROOFING. CONTRACTOR TO REVIEW PATCH WITH ARCHITECT AT PRE-CONSTRUCTION MEETING. IF IT IS DETERMINED TO MODIFY THE PATCH, THE MODIFICATION WILL BE MANAGED AS A CHANGE TO THE CONTRACT.



21. Duct Penetration Exst





Bid and Permit Set City of Roseburg

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Fulton Shop Bldg Reroof

22. Powered Vent Cap

Roof Penetrations

A172

25. Powered Vent Cap

Type 1D - Exhaust (Small) - Exst 28. Vent Cap

Type 2A - Mushroom (Large) - Exst

Type 1A - Exhaust - Exst

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